

UNIVERSITY OF STRATHCLYDE

WINDOW OPTIMISATION FOR IRAQI HOUSES

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A THESIS SUBMITTED TO  
THE DEPARTMENT OF  
ARCHITECTURE AND BUILDING SCIENCE  
FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY

VOLUME 4

JUNE 1986

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**APPENDIX 5**



## APPENDIX 5

## The Optimal Windows

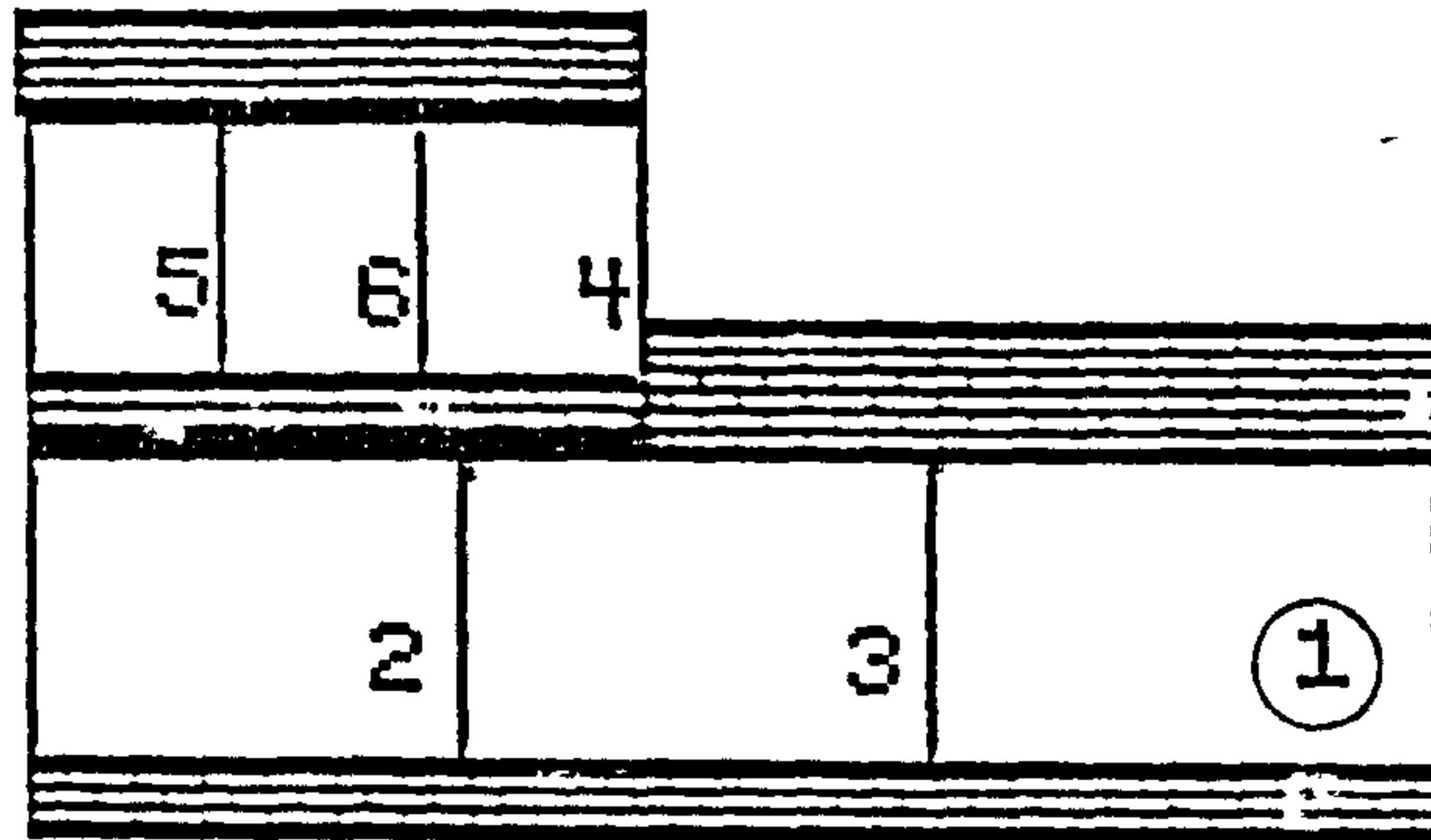
This Appendix deals with the optimum windows for daylighting and direct sunlight control. It contains two sets; one of tables and one of graphs each representing one location on the L-shaped wall of a one and a half storey wall or a two-storey building and each set consists of sixteen tables and graphs representing 16 orientations. There is also one separate set of each for the unobstructed and semi-unobstructed wall. Each subsequently represents the Pareto optimal solutions (optimal windows listed numerically). The tables and graphs illustrate either the yearly or the summer efficiency and the daylight in Lux provided by each window, according to the findings as presented in the direct sunlight control section (Appendix 2) and the daylight section (Appendix 3).

The lighting levels presented in all the tables and graphs represent the sky component and the external reflected component when the reflection factor of the external obstruction is 75%.

With regard to the direct sunlight control column, the findings presented are for 0.24m wall thickness.

The graphs contain both Pareto optimal solutions and the other solutions, in order to show the domination of the Pareto optimal solutions over the other solutions.





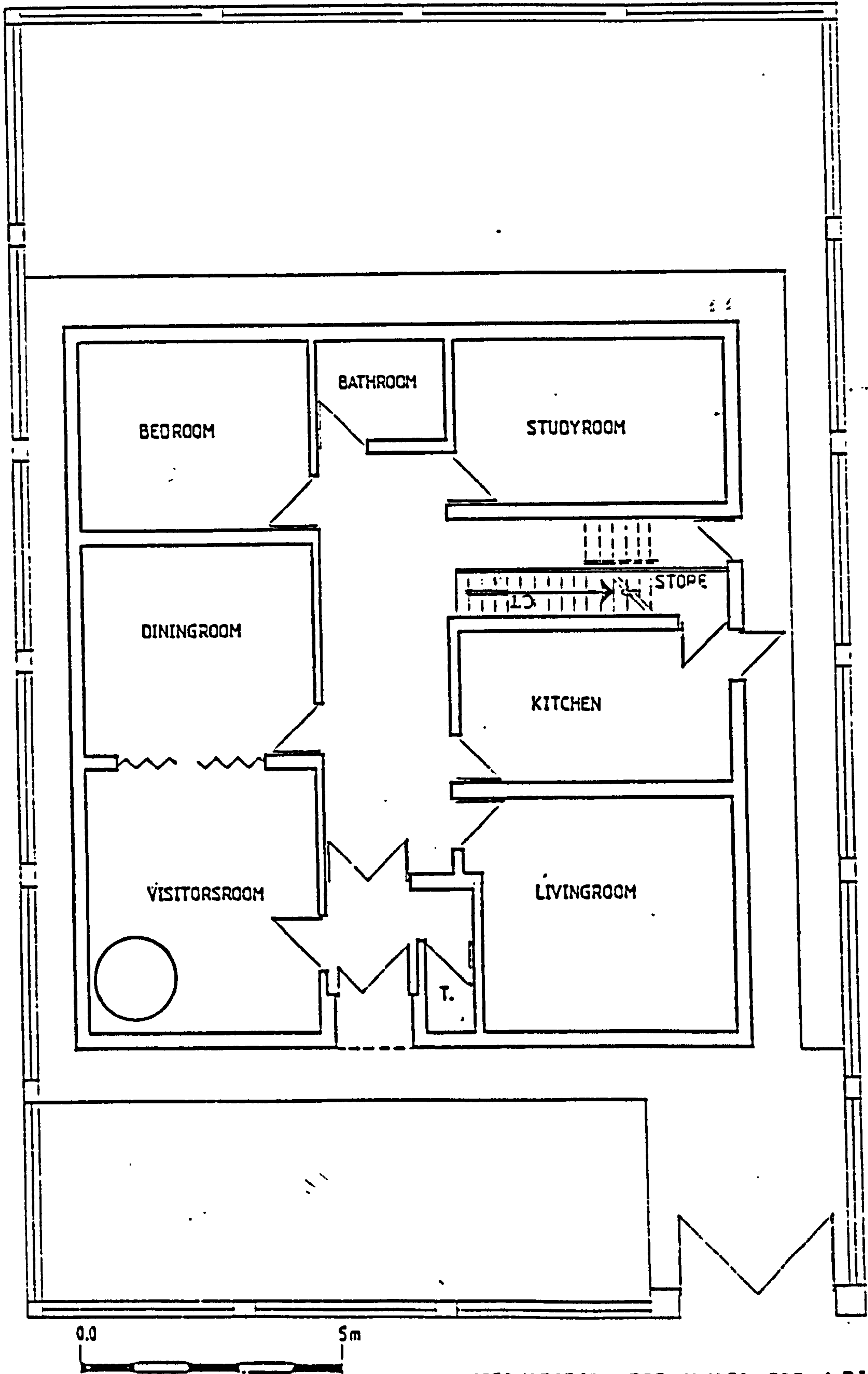
Key diagram showing the location of window data.

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1274
22.5	1275
45	1276
67.5	1277
90	1278
112.5	1279
135	1280
157.5	1281
180	1282
202.5	1283
225	1284
247.5	1285
270	1286
292.5	1287
315	1288
337.5	1289





GROUND FLOOR PLAN



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
35	0.	98.00	4	0.	42.00	4	0.	62.00	4	0.	75.00
44	0.01	112.00	7	0.19	50.00	7	0.19	74.00	7	0.19	95.00
			8	0.22	63.00	8	0.22	92.00	8	0.22	111.00
			11	0.70	66.00	11	0.70	98.00	11	0.70	125.00
			12	0.84	83.00	12	0.84	121.00	12	0.84	147.00
			16	1.58	102.00	16	1.71	150.00	15	1.43	154.00
			20	2.35	121.00	20	2.63	177.00	16	1.71	182.00
			24	3.11	139.00	24	3.55	203.00	19	2.17	183.00
			28	3.88	155.00	28	4.47	228.00	20	2.63	216.00
			32	4.65	171.00	32	5.39	252.00	24	3.55	248.00
			36	5.42	186.00	36	6.31	280.00	28	4.47	279.00
			40	6.19	200.00	40	7.24	307.00	35	5.25	288.00
			44	6.96	222.00	44	8.16	333.00	32	5.39	311.00
									39	6.01	313.00
									36	6.31	342.00
									40	7.24	371.00
									44	8.16	399.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.05	10.00	1	0.85	32.00	1	0.85	31.00	1	0.85	40.00
2	1.09	15.00	2	1.09	32.00	2	1.09	45.00	2	1.09	58.00
3	1.33	20.00	3	1.33	42.00	3	1.33	60.00	3	1.33	75.00
4	1.57	24.00	4	1.57	53.00	4	1.57	74.00	4	1.57	87.00
7	3.05	27.00	7	3.05	63.00	7	3.05	87.00	7	3.05	112.00
8	3.61	36.00	8	3.61	79.00	8	3.61	110.00	8	3.61	130.00
11	4.77	39.00	11	4.77	94.00	11	4.77	118.00	11	4.77	148.00
12	5.68	48.00	12	5.68	104.00	12	5.68	146.00	12	5.68	172.00
16	7.76	59.00	16	7.76	120.00	16	7.76	180.00	16	7.76	213.00
20	9.83	70.00	20	9.83	152.00	20	9.83	213.00	16	7.76	213.00
27	11.76	72.00	27	11.76	157.00	27	11.76	222.00	17	8.28	215.00
24	11.90	80.00	24	11.90	174.00	24	11.90	245.00	20	9.83	252.00
28	13.98	90.00	28	13.98	176.00	28	13.98	275.00	27	11.76	278.00
32	16.05	100.00	32	16.05	216.00	32	16.05	303.00	24	11.90	290.00
36	18.12	108.00	36	18.12	234.00	36	18.12	334.00	31	13.51	307.00
40	20.20	116.00	40	20.20	252.00	40	20.20	365.00	28	13.98	326.00
44	22.27	124.00	44	22.27	277.00	44	22.27	374.00	35	15.25	336.00
									32	16.05	361.00
									39	16.97	363.00
									36	18.12	395.00
									40	20.20	427.00
									44	22.27	457.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	13.00	1	2.67	23.00	1	2.67	37.00
2	0.45	19.00	2	3.43	33.00	2	3.43	54.00
3	0.58	26.00	3	4.10	44.00	3	4.10	70.00
4	0.70	32.00	4	4.93	54.00	4	4.93	83.00
7	1.11	38.00	7	7.13	65.00	7	7.13	105.00
8	1.35	47.00	8	8.42	81.00	8	8.42	106.00
11	1.64	50.00	11	10.07	86.00	11	10.07	124.00
12	2.00	63.00	12	11.91	107.00	12	11.91	138.00
22	2.52	64.00	15	15.39	132.00	15	15.39	164.00
13	2.65	77.00	16	18.88	156.00	16	18.88	170.00
23	3.24	84.00	20	21.86	161.00	20	21.86	202.00
20	3.31	91.00	27	22.37	179.00	27	22.37	240.00
27	3.77	95.00	24	25.86	201.00	24	25.86	260.00
24	3.96	105.00	28	29.35	221.00	28	29.35	275.00
28	4.61	118.00	32	32.83	241.00	31	24.81	287.00
32	5.26	130.00	36	36.32	259.00	28	25.86	310.00
36	5.91	141.00	40	39.81	284.00	35	27.75	317.00
40	6.56	152.00	44			32	29.35	345.00
44	7.21	162.00				36	32.83	378.00
						40	36.32	409.00
						44	39.81	437.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	601.88	72.00	1	0.73	20.00	1	0.73	30.00	1	1.60	52.00
43	113.29	96.00	2	0.98	27.00	2	0.98	43.00	2	2.10	76.00
44	47.89	121.00	3	1.24	30.00	5	1.10	44.00	5	2.52	79.00
			4	1.50	47.00	3	1.24	57.00	3	2.60	98.00
			7	2.00	56.00	4	1.50	70.00	4	3.10	112.00
			8	2.43	70.00	7	2.00	84.00	6	3.31	113.00
			11	2.77	75.00	8	2.43	105.00	7	4.11	146.00
			12	3.36	93.00	11	2.77	111.00	10	4.52	149.00
			22	4.00	94.00	12	3.36	137.00	9	4.91	167.00
			16	4.30	114.00	22	4.00	141.00	11	5.62	193.00
			23	5.07	125.00	16	4.30	171.00	12	6.73	221.00
			20	5.23	135.00	23	5.07	187.00	15	7.13	239.00
			27	5.83	140.00	20	5.23	202.00	22	9.17	250.00
			24	6.16	155.00	27	5.83	209.00	16	9.54	272.00
			29	7.10	174.00	24	6.16	232.00	19	9.64	282.00
			32	8.03	192.00	28	7.10	261.00	23	10.15	324.00
			43	9.90	199.00	32	8.03	288.00	27	11.66	362.00
			36	8.97	209.00	43	8.90	302.00	24	12.16	370.00
			40	7.70	225.00	36	8.97	310.00	31	13.17	396.00
			44	10.83	248.00	40	9.90	348.00	28	13.77	415.00
						44	10.83	377.00	35	14.68	427.00
									32	15.79	455.00
									39	16.17	460.00
									36	17.60	493.00
									40	19.41	530.00
									44	21.22	564.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )	
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y
41	47.25	120.00	41	3.15	172.00	41	1.69
42	8.39	175.00	42	2.46	250.00	42	1.58
43	5.68	233.00	43	2.16	333.00	43	1.52
44	4.70	291.00	44	2.00	416.00	44	1.48

DAYLIGHT LUX	SUNLIGHT Y	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
262.00	1.69	41	1.69	262.00
380.00	1.58	42	1.58	380.00
473.00	1.52	43	1.52	473.00
569.00	1.48	44	1.48	569.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1 M )		(INTER-HOUSE DISTANCE= 2 M )		(INTER-HOUSE DISTANCE= 3 M )		(INTER-HOUSE DISTANCE= 4 M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	24.23	50.00	41	5.76	103.00	41	5.55	157.00	41	2.90	260.00
42	12.64	72.00	42	5.47	150.00	42	4.90	220.00	42	2.59	377.00
43	9.80	96.00	43	4.89	199.00	43	4.55	302.00	43	2.47	489.00
44	8.53	121.00	44	4.56	248.00	44	4.34	377.00	44	2.39	564.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
43	583.00	79.00	1	45.62	22.00	1	45.62	31.00
44	64.55	124.00	5	19.74	33.00	5	19.74	47.00
			9	16.37	43.00	9	13.02	61.00
			13	16.04	54.00	13	11.11	76.00
			17	14.46	63.00	17	7.68	89.00
			21	12.92	73.00	21	6.66	102.00
			25	12.05	81.00	25	6.08	115.00
			29	11.48	89.00	29	7.70	126.00
			33	11.07	97.00	33	7.44	140.00
			37	10.60	104.00	37	7.24	153.00
			41	10.57	115.00	41	7.10	165.00
			25	7.25	118.00	26	5.25	167.00
			30	6.97	130.00	30	5.06	184.00
			34	6.81	141.00	34	4.92	203.00
			38	6.67	152.00	38	4.81	222.00
			42	6.57	167.00	42	4.73	240.00
			31	5.55	173.00	31	4.13	244.00
			35	5.42	188.00	35	4.03	270.00
			39	5.33	202.00	39	3.95	294.00
			43	5.25	222.00	43	3.88	317.00
			36	4.58	234.00	36	3.48	324.00
			40	4.51	252.00	40	3.42	365.00
			44	4.45	277.00	44	3.37	394.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= M )		(INTER-HOUSE DISTANCE= M )		(INTER-HOUSE DISTANCE= M )		(INTER-HOUSE DISTANCE= M )		(INTER-HOUSE DISTANCE= M )			
WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
43	666.23	90.00	42	888.64	134.00	42	1410.45	203.00	42	1410.45	258.00
36	39.90	98.00	43	146.91	178.00	43	234.02	269.00	43	234.02	337.00
40	39.85	106.00	44	31.57	222.00	44	50.42	333.00	44	50.42	399.00
44	39.81	112.00									

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 PARETO OPTIMAL SOLUTIONS IN RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
3	0.	20.00	1	84.41	22.00	1	133.89	31.00	1	133.89	40.00
4	0.01	24.00	5	30.46	33.00	5	47.37	47.00	5	47.37	59.00
7	0.06	29.00	3	19.09	42.00	3	30.46	50.00	3	30.46	75.00
8	0.10	36.00	9	18.29	43.00	9	28.21	61.00	9	28.21	78.00
11	0.18	39.00	6	14.84	48.00	6	23.16	67.00	6	23.16	96.00
12	0.27	48.00	13	14.03	54.00	13	21.55	76.00	13	21.55	96.00
16	0.48	59.00	17	11.51	53.00	17	17.62	89.00	17	17.62	114.00
20	0.74	70.00	21	9.88	73.00	21	15.10	102.00	21	15.10	130.00
27	0.99	72.00	25	8.96	81.00	25	13.67	115.00	25	13.67	146.00
24	1.05	80.00	29	8.36	89.00	29	12.75	126.00	29	12.75	163.00
28	1.36	90.00	33	7.95	97.00	33	12.10	140.00	33	12.10	178.00
32	1.66	100.00	37	7.64	104.00	37	11.63	153.00	37	11.63	192.00
36	1.97	108.00	41	7.40	115.00	41	11.26	165.00	41	11.26	206.00
40	2.28	116.00	26	5.64	118.00	26	8.63	167.00	26	8.63	213.00
44	2.58	124.00	19	5.48	122.00	19	8.43	172.00	19	8.43	215.00
			30	5.31	130.00	30	8.11	184.00	30	8.11	236.00
			34	5.07	141.00	34	7.75	203.00	34	7.75	258.00
			38	4.90	152.00	38	7.48	222.00	38	7.48	278.00
			42	4.77	167.00	42	7.27	240.00	42	7.27	298.00
			31	4.24	173.00	31	6.49	244.00	31	6.49	307.00
			24	4.08	174.00	24	6.28	245.00	24	6.22	336.00
			35	4.06	188.00	35	6.22	270.00	35	6.01	363.00
			39	3.93	202.00	39	6.01	294.00	39	5.85	388.00
			43	3.83	222.00	43	5.85	317.00	43	5.29	395.00
			36	3.45	234.00	36	5.27	334.00	36	5.13	427.00
			40	3.35	252.00	40	5.13	355.00	40	5.00	457.00
			44	3.26	277.00	44	5.00	394.00	44		

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M )		( INTER-HOUSE DISTANCE= 2 M )		( INTER-HOUSE DISTANCE= 3 M )		( INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.23	13.00	1	0.43	23.00	1	0.43	37.00
2	0.30	17.00	2	0.61	33.00	2	0.61	53.00
3	0.38	26.00	3	0.80	44.00	3	0.80	71.00
4	0.46	32.00	4	0.99	54.00	4	0.99	87.00
7	1.61	38.00	7	2.37	65.00	7	2.37	105.00
8	1.92	47.00	8	2.88	81.00	8	2.88	130.00
11	2.88	50.00	11	3.57	86.00	11	3.97	139.00
12	3.44	63.00	12	4.80	107.00	12	4.80	171.00
16	4.95	77.00	16	6.73	132.00	16	6.73	212.00
20	6.46	91.00	20	8.66	156.00	20	8.66	250.00
27	7.97	95.00	27	10.37	179.00	27	10.37	261.00
24	7.98	105.00	24	10.58	179.00	24	10.58	288.00
28	9.47	118.00	28	12.51	201.00	28	12.51	323.00
32	11.00	130.00	32	14.44	221.00	32	14.44	356.00
36	12.52	141.00	36	16.36	241.00	36	16.36	390.00
40	14.03	152.00	40	18.27	259.00	40	18.27	422.00
44	15.54	162.00	44	20.22	284.00	44	20.22	453.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.86	10.00	1	2.10	20.00	1	2.10	30.00	1	2.10	52.00
2	1.09	14.00	2	2.76	29.00	2	2.76	43.00	2	2.76	76.00
3	1.32	19.00	3	3.43	30.00	3	3.43	57.00	3	3.43	98.00
4	1.56	24.00	4	4.09	47.00	4	4.09	70.00	4	4.09	112.00
7	2.49	28.00	7	6.01	56.00	7	6.01	84.00	6	4.84	113.00
8	2.93	35.00	8	7.17	70.00	8	7.17	105.00	7	6.01	146.00
11	3.66	38.00	11	8.60	75.00	11	8.60	111.00	10	5.95	149.00
12	4.30	47.00	12	10.24	93.00	12	10.24	139.00	8	7.17	167.00
16	5.67	58.00	22	13.24	94.00	22	13.24	141.00	11	8.60	193.00
20	7.04	68.00	16	13.32	114.00	16	13.32	171.00	12	10.24	221.00
27	8.32	71.00	23	16.35	125.00	23	16.35	187.00	15	11.18	237.00
24	8.41	78.00	20	16.40	135.00	20	16.40	202.00	22	13.24	250.00
28	9.78	88.00	27	18.74	140.00	27	18.74	209.00	16	13.32	272.00
32	11.15	97.00	24	19.47	155.00	24	19.47	232.00	19	13.77	282.00
36	12.52	105.00	28	22.55	174.00	28	22.55	261.00	23	16.35	324.00
40	13.90	113.00	32	25.62	192.00	32	25.62	288.00	27	18.94	362.00
44	15.27	121.00	36	28.70	207.00	36	28.70	318.00	24	19.47	370.00
			40	31.78	225.00	40	31.78	348.00	31	21.52	396.00
			44	34.85	248.00	44	34.85	377.00	28	22.55	415.00
									35	24.11	429.00
									32	25.62	455.00
									39	26.69	460.00
									36	29.70	493.00
									40	31.78	530.00
									44	34.85	564.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.	24.00	1	0.42	34.00	1	0.42	44.00	1	3.48	53.00
21	0.01	79.00	2	0.60	49.00	2	0.60	64.00	2	4.51	77.00
37	0.02	113.00	5	0.64	51.00	5	0.64	65.00	5	5.47	79.00
41	0.03	120.00	3	0.78	65.00	3	0.78	84.00	3	5.53	99.00
26	0.13	128.00	9	0.86	67.00	9	0.86	86.00	4	6.56	113.00
30	0.15	141.00	6	0.92	73.00	6	0.92	95.00	6	7.08	114.00
34	0.17	153.00	4	0.77	81.00	4	0.77	103.00	7	8.70	148.00
38	0.19	165.00	13	1.08	82.00	13	1.08	106.00	10	9.66	151.00
42	0.20	175.00	7	1.20	97.00	7	1.20	125.00	8	10.32	169.00
31	0.28	180.00	8	1.40	121.00	8	1.40	154.00	11	11.07	195.00
35	0.31	204.00	11	1.62	128.00	11	1.62	165.00	12	14.07	223.00
39	0.35	219.00	18	1.08	141.00	18	1.08	182.00	15	15.03	241.00
43	0.38	233.00	12	2.00	157.00	12	2.00	203.00	22	17.40	253.00
32	0.41	234.00	22	2.20	162.00	15	2.04	204.00	16	17.82	276.00
36	0.46	254.00	19	2.46	187.00	22	2.20	207.00	19	18.20	285.00
40	0.51	274.00	16	2.52	197.00	19	2.46	241.00	23	21.36	327.00
44	0.56	291.00	30	2.84	200.00	16	2.52	251.00	27	24.53	366.00
			23	2.88	215.00	30	2.84	258.00	24	25.33	375.00
			20	3.04	230.00	23	2.88	277.00	31	27.69	401.00
			27	3.30	241.00	20	3.04	297.00	28	29.08	420.00
			24	3.55	267.00	27	3.30	311.00	35	30.86	433.00
			28	4.08	300.00	24	3.56	341.00	32	32.03	460.00
			39	4.56	309.00	31	3.72	342.00	39	34.02	464.00
			32	4.60	330.00	28	4.08	383.00	36	36.59	499.00
			43	4.98	333.00	37	4.56	401.00	40	40.34	535.00
			36	5.12	359.00	32	4.60	422.00	44	44.09	569.00
			40	5.64	386.00	43	4.98	428.00			
			44	6.16	416.00	36	5.12	459.00			
						40	5.64	495.00			
						44	6.16	528.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

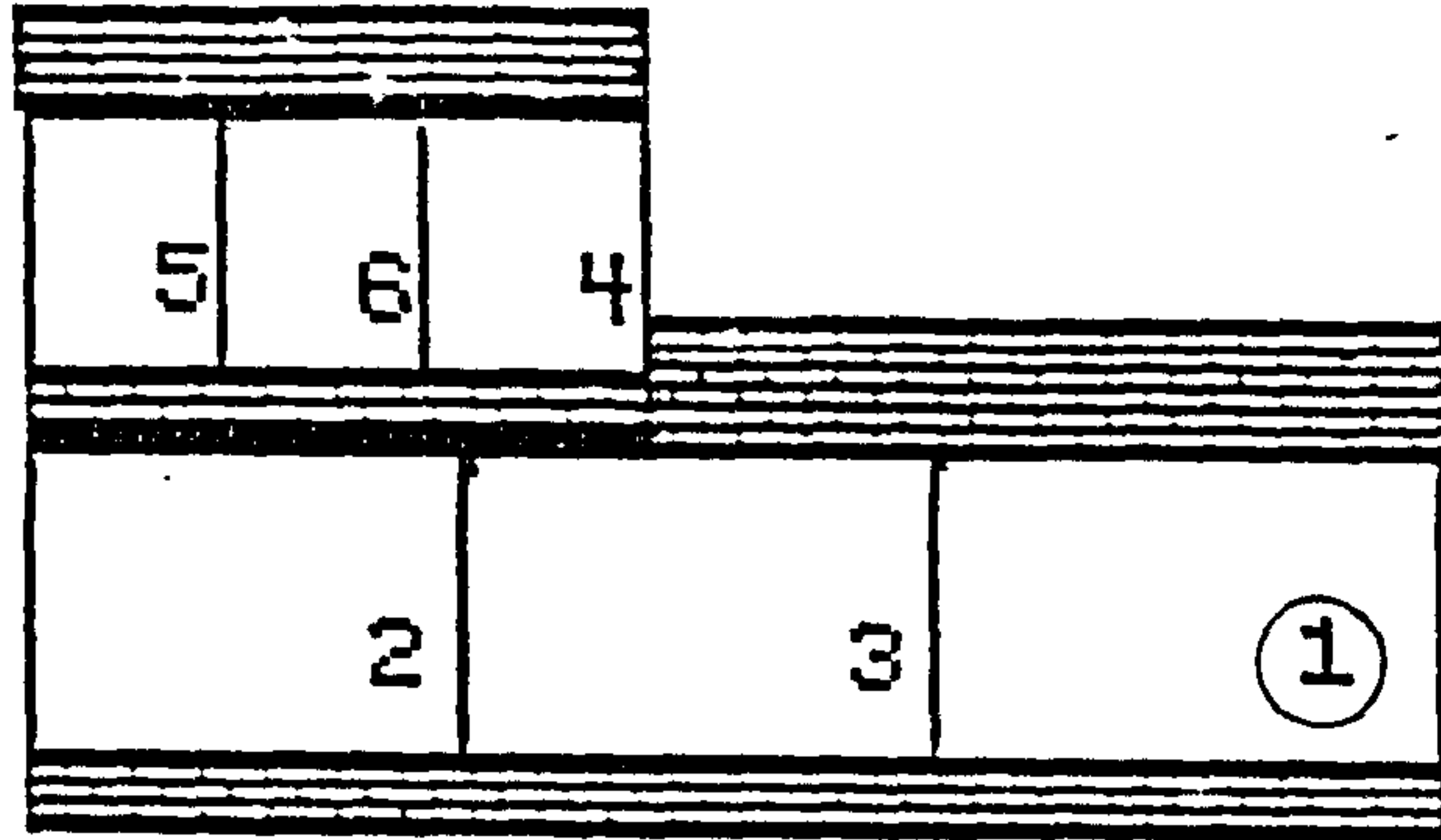
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.07	10.00	1	0.07	20.00	1	0.28	30.00	1	0.73	52.00
2	0.11	14.00	2	0.11	29.00	2	0.39	43.00	2	0.98	76.00
5	0.12	15.00	3	0.15	38.00	5	0.47	44.00	5	1.18	78.00
3	0.15	19.00	9	0.17	39.00	3	0.51	57.00	3	1.24	98.00
9	0.17	20.00	6	0.19	43.00	4	0.63	70.00	4	1.50	112.00
6	0.18	21.00	4	0.19	47.00	13	0.84	71.00	6	1.58	113.00
4	0.19	24.00	13	0.22	48.00	7	0.86	84.00	7	2.00	146.00
7	0.26	28.00	7	0.26	56.00	8	1.07	105.00	10	2.19	149.00
10	0.26	28.00	10	0.26	56.00	11	1.20	111.00	8	2.43	167.00
21	0.32	33.00	17	0.27	57.00	18	1.45	123.00	11	2.77	193.00
8	0.34	35.00	21	0.32	65.00	12	1.50	139.00	12	3.36	221.00
14	0.34	35.00	8	0.34	70.00	22	1.71	141.00	15	3.53	239.00
11	0.37	38.00	11	0.37	75.00	19	1.90	163.00	22	4.00	250.00
18	0.42	41.00	18	0.42	82.00	16	1.93	171.00	19	4.30	282.00
33	0.48	44.00	33	0.48	87.00	23	2.24	187.00	23	5.07	324.00
12	0.49	47.00	12	0.49	94.00	20	2.37	202.00	34	5.81	331.00
26	0.58	53.00	22	0.50	94.00	27	2.59	209.00	27	5.83	362.00
19	0.60	55.00	26	0.58	105.00	38	2.76	211.00	24	6.16	370.00
16	0.65	58.00	19	0.60	107.00	24	2.80	232.00	31	6.60	396.00
23	0.71	63.00	16	0.65	114.00	28	3.24	261.00	28	7.10	415.00
34	0.74	64.00	30	0.66	116.00	37	3.63	279.00	35	7.36	427.00
20	0.80	68.00	23	0.71	125.00	32	3.67	288.00	32	8.03	455.00
27	0.82	71.00	34	0.74	126.00	43	3.97	302.00	39	9.13	460.00
42	0.90	72.00	20	0.80	135.00	36	4.10	318.00	43	8.90	489.00
31	0.94	78.00	27	0.82	140.00	40	4.54	348.00	36	8.97	493.00
35	1.05	84.00	42	0.90	150.00	44	4.97	377.00	40	9.90	530.00
28	1.10	88.00	31	0.94	154.00				44	10.83	564.00
39	1.16	91.00	24	0.95	155.00						
32	1.25	97.00	35	1.05	160.00						
36	1.41	105.00	28	1.10	174.00						
40	1.56	113.00	39	1.16	180.00						
44	1.71	121.00	32	1.25	192.00						
			43	1.28	197.00						
			36	1.41	209.00						
			40	1.56	225.00						
			44	1.71	248.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER







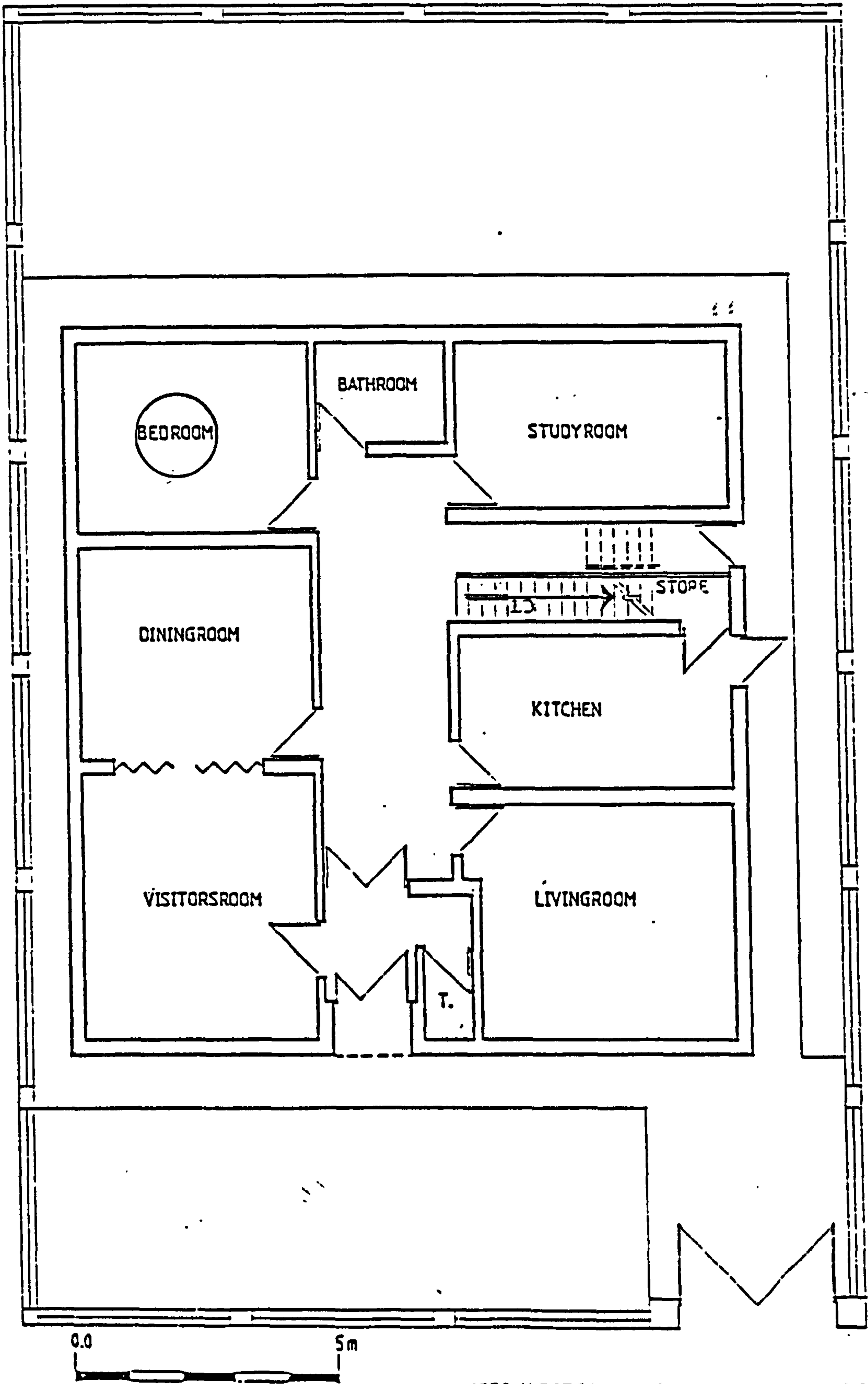


Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1274
22.5	1275
45	1276
67.5	1277
90	1278
112.5	1279
135	1280
157.5	1281
180	1282
202.5	1283
225	1284
247.5	1285
270	1286
292.5	1287
315	1288
337.5	1289



ARCHITECTURAL FLOOR PLAN



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
36	0.	47.00	12	0.	43.00	4	0.	34.00	4	0.	16.00
44	0.01	54.00	16	0.13	54.00	7	0.19	41.00	7	0.33	55.00
			20	0.28	63.00	9	0.22	51.00	8	0.44	67.00
			24	0.44	73.00	11	0.70	54.00	11	1.41	73.00
			28	0.57	82.00	12	0.84	67.00	12	1.67	90.00
			32	0.74	90.00	16	1.71	83.00	16	3.16	112.00
			36	0.84	94.00	20	2.63	98.00	20	4.69	132.00
			40	0.90	102.00	24	3.55	112.00	24	6.23	154.00
			44	0.96	106.00	28	4.47	128.00	28	7.76	176.00
				1.05	117.00	32	5.25	133.00	32	9.29	197.00
				1.21	130.00	36	6.31	146.00	36	10.83	217.00
						40	7.24	164.00	40	12.37	235.00
						44	8.16	196.00	44	13.91	253.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORDER INFORMATION =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	12.00	4	0.	50.00	1	0.85	19.00
7	0.03	14.00	7	0.03	36.00	2	1.09	26.00
9	0.04	17.00	0	0.04	44.00	3	1.33	35.00
11	0.08	19.00	11	0.08	47.00	4	1.57	43.00
12	0.11	23.00	12	0.11	59.00	7	3.05	51.00
41	0.16	25.00	37	0.14	65.00	8	3.61	64.00
16	0.18	28.00	41	0.16	72.00	11	4.79	68.00
30	0.23	29.00	30	0.23	73.00	12	5.68	84.00
23	0.25	31.00	23	0.25	79.00	16	7.76	104.00
20	0.26	34.00	20	0.26	86.00	20	9.03	123.00
27	0.30	35.00	38	0.30	93.00	27	11.76	129.00
24	0.33	39.00	24	0.33	98.00	24	11.90	142.00
28	0.41	43.00	42	0.34	103.00	31	13.51	146.00
33	0.46	45.00	28	0.41	110.00	28	13.98	160.00
32	0.48	48.00	37	0.46	123.00	35	15.25	163.00
36	0.55	52.00	43	0.52	136.00	32	16.05	182.00
40	0.53	56.00	40	0.53	153.00	36	18.12	202.00
44	0.70	59.00	44	0.70	168.00	40	20.20	220.00
						44	22.27	238.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
44	97.16	90.00	41	3.99	73.00	1	0.07	21.00	1	0.33	22.00
			42	2.11	106.00	2	0.13	30.00	2	0.45	32.00
			43	1.65	139.00	3	0.18	40.00	3	0.58	43.00
			44	1.44	172.00	4	0.22	50.00	4	0.70	53.00
						7	0.38	60.00	7	1.11	64.00
						8	0.40	74.00	8	1.35	79.00
						11	0.58	79.00	11	1.64	94.00
			18			12	0.73	87.00	12	2.00	105.00
			22			16	0.74	98.00	16	2.52	108.00
			27			22	0.08	99.00	22	2.65	129.00
			37			23	0.95	107.00	23	3.24	142.00
			19			20	0.99	115.00	20	3.31	153.00
			16			27	1.00	121.00	27	3.77	163.00
			30			24	1.18	127.00	24	3.96	177.00
			23			31	1.20	132.00	31	4.30	182.00
			20			28	1.25	143.00	28	4.61	202.00
			27			32	1.40	149.00	32	5.26	225.00
			38			43	1.48	153.00	43	5.90	233.00
			24			36	1.51	164.00	36	5.91	248.00
			31			40	1.60	168.00	40	6.56	268.00
			28			44	1.77	185.00	44	7.21	287.00
			39				2.01	202.00			
			32				2.03	208.00			
			43				2.22	217.00			
			35				2.27	229.00			
			40				2.54	250.00			
			44				2.80	268.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	7.65	74.00	42	7.65	126.00	1	0.23	22.00	1	0.07	30.00
43	1.89	99.00	43	1.89	167.00	2	0.39	31.00	2	0.11	43.00
44	0.93	123.00	44	0.93	207.00	5	0.47	32.00	5	0.12	44.00
			3	0.51	42.00	3	0.51	42.00	3	0.15	57.00
			4	0.63	52.00	4	0.63	52.00	7	0.17	58.00
			13	0.84	53.00	13	0.84	53.00	6	0.18	64.00
			7	0.86	62.00	7	0.86	62.00	4	0.19	71.00
			8	1.07	77.00	8	1.07	77.00	13	0.22	72.00
			11	1.20	82.00	11	1.20	82.00	7	0.26	85.00
			18	1.45	90.00	18	1.45	90.00	21	0.32	98.00
			12	1.50	102.00	12	1.50	102.00	21	0.32	98.00
			22	1.71	103.00	22	1.71	103.00	9	0.34	105.00
			19	1.70	120.00	19	1.70	120.00	11	0.37	112.00
			16	1.93	126.00	16	1.93	126.00	19	0.42	123.00
			23	2.24	137.00	23	2.24	137.00	33	0.48	135.00
			20	2.37	149.00	20	2.37	149.00	12	0.47	139.00
			27	2.59	155.00	27	2.59	155.00	22	0.50	142.00
			30	2.76	159.00	30	2.76	159.00	37	0.53	145.00
			24	2.80	171.00	24	2.80	171.00	26	0.58	160.00
			31	2.93	175.00	31	2.93	175.00	19	0.60	163.00
			28	3.24	193.00	28	3.24	193.00	16	0.55	172.00
			38	3.63	210.00	38	3.63	210.00	30	0.66	177.00
			32	3.67	217.00	32	3.67	217.00	23	0.71	188.00
			43	3.97	226.00	43	3.97	226.00	34	0.74	194.00
			36	4.10	237.00	36	4.10	237.00	20	0.80	203.00
			40	4.54	260.00	40	4.54	260.00	27	0.82	212.00
			44	4.97	279.00	44	4.97	279.00	42	0.90	222.00
									31	0.94	234.00
									35	1.05	255.00
									28	1.10	263.00
									39	1.16	274.00
									32	1.25	290.00
									43	1.28	292.00
									36	1.41	316.00
									40	1.56	340.00
									44	1.71	362.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )											
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
44	0.	149.00	41	0.35	98.00	1	0.12	24.00	41	1.53	157.00
			42	1.68	141.00	5	0.19	36.00	42	1.25	225.00
			43	1.21	186.00	9	0.26	-47.00	43	1.13	296.00
			44	1.04	231.00	6	0.32	52.00	44	1.06	366.00
						12	0.33	58.00			
						17	0.40	69.00			
						21	0.47	79.00			
						25	0.54	89.00			
						29	0.61	100.00			
						33	0.68	110.00			
						37	0.75	120.00			
						41	0.82	129.00			
						15	0.94	132.00			
						16	1.00	139.00			
						30	1.02	145.00			
						23	1.11	151.00			
						34	1.14	159.00			
						20	1.21	164.00			
						38	1.26	173.00			
						42	1.37	185.00			
						24	1.42	188.00			
						31	1.43	191.00			
						25	1.60	210.00			
						28	1.63	213.00			
						27	1.76	228.00			
						32	1.65	230.00			
						43	1.93	245.00			
						36	2.06	261.00			
						40	2.27	283.00			
						44	2.48	303.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
44	2.46	123.00	1	1.11	16.00	1	1.74	22.00	1	0.47	30.00
			2	1.48	23.00	2	2.26	31.00	2	0.69	43.00
			3	1.85	30.00	3	2.78	42.00	5	0.80	44.00
			4	2.22	38.00	4	3.30	52.00	3	0.89	57.00
			7	3.13	45.00	7	4.98	62.00	4	1.09	71.00
			8	3.75	56.00	8	5.90	77.00	13	1.43	72.00
			11	4.41	60.00	11	7.18	82.00	7	1.45	95.00
			12	5.28	74.00	12	8.51	102.00	8	1.77	105.00
			22	6.61	75.00	16	11.12	126.00	11	2.00	112.00
			16	6.82	92.00	20	13.73	149.00	10	2.43	123.00
			23	8.24	100.00	27	15.97	155.00	12	2.45	139.00
			20	8.35	108.00	24	16.34	171.00	22	2.86	142.00
			27	9.52	112.00	31	18.19	175.00	17	3.12	163.00
			24	9.68	124.00	28	18.95	193.00	16	3.13	172.00
			28	11.41	140.00	32	21.56	217.00	23	3.68	188.00
			32	12.94	154.00	36	24.17	239.00	20	3.81	203.00
			36	14.48	171.00	40	26.78	260.00	27	4.24	212.00
			40	16.01	190.00	44	27.39	279.00	24	4.49	234.00
			44	17.54	207.00				28	5.17	263.00
									32	5.86	290.00
									43	6.47	272.00
									36	6.54	316.00
									40	7.22	340.00
									44	7.90	362.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.12	7.00	1	0.50	13.00	1	0.50	21.00	1	0.37	22.00
2	0.16	11.00	2	0.70	19.00	2	0.70	30.00	2	0.56	32.00
3	0.21	14.00	3	0.91	25.00	3	0.91	40.00	3	0.74	43.00
4	0.25	18.00	4	1.12	31.00	4	1.12	50.00	4	0.91	53.00
7	0.46	21.00	7	1.92	37.00	7	1.92	60.00	7	1.38	64.00
8	0.56	26.00	8	2.35	46.00	8	2.35	74.00	8	1.70	79.00
11	0.72	28.00	11	2.94	48.00	11	2.94	77.00	11	2.02	84.00
12	0.86	35.00	12	3.58	60.00	12	3.58	98.00	12	2.48	86.00
16	1.17	43.00	22	4.68	61.00	22	4.68	97.00	12	2.47	105.00
20	1.40	51.00	16	4.82	74.00	16	4.82	121.00	22	3.04	108.00
27	1.74	52.00	23	5.98	81.00	23	5.98	132.00	16	3.28	129.00
24	1.79	58.00	20	6.05	88.00	20	6.05	143.00	23	3.95	142.00
28	2.09	65.00	27	7.00	91.00	27	7.00	147.00	20	4.07	153.00
32	2.40	72.00	24	7.28	101.00	24	7.28	164.00	27	4.59	163.00
36	2.71	78.00	28	8.52	113.00	24	8.01	160.00	24	4.06	177.00
40	3.01	84.00	32	9.75	125.00	28	8.52	185.00	31	5.24	182.00
44	3.32	90.00	39	10.04	126.00	32	9.75	208.00	20	5.65	202.00
			36	10.98	140.00	36	10.98	227.00	32	6.44	226.00
			40	12.22	157.00	40	12.22	250.00	43	7.17	233.00
			44	13.45	172.00	44	13.45	268.00	36	7.23	248.00
									40	8.02	268.00
									44	9.81	287.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SURLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SURLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SURLIGHT Y	DAYLIGHT LUX
3	0.	9.00	1	47.47	12.00	1	47.47	18.00
4	0.01	12.00	2	16.93	18.00	2	16.93	26.00
7	0.06	14.00	5	16.91	19.00	5	15.91	27.00
8	0.10	17.00	3	11.36	24.00	3	11.36	35.00
11	0.18	19.00	6	8.32	27.00	13	8.36	44.00
12	0.27	23.00	4	8.06	30.00	17	7.17	51.00
16	0.48	28.00	17	6.11	36.00	21	6.34	59.00
23	0.64	31.00	21	5.22	41.00	25	5.07	67.00
20	0.69	34.00	9	4.75	44.00	22	5.57	77.00
27	0.79	35.00	25	4.71	46.00	33	5.36	86.00
24	0.87	37.00	29	4.38	50.00	37	5.20	94.00
28	1.10	43.00	33	4.15	57.00	41	5.08	102.00
39	1.25	45.00	37	3.90	65.00	39	3.58	111.00
32	1.31	48.00	41	3.85	72.00	34	3.47	124.00
36	1.52	52.00	39	2.81	73.00	38	3.38	135.00
40	1.73	56.00	34	2.68	82.00	42	3.32	147.00
44	1.73	59.00	38	2.58	93.00	35	2.80	153.00
			42	2.50	103.00	39	2.74	178.00
			35	2.15	109.00	43	2.67	192.00
			39	2.08	123.00	36	2.40	202.00
			43	2.02	136.00	40	2.35	220.00
			40	1.78	153.00	44	2.31	238.00
			44	1.73	166.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
43	0.	43.00	42	0.	90.00	42	521.01	122.00	42	0.	157.00
36	0.15	47.00	35	0.06	82.00	43	87.11	159.00	35	0.06	174.00
40	0.19	51.00	43	0.07	106.00	36	10.96	164.00	43	0.07	205.00
44	0.20	54.00	40	0.37	117.00	40	10.90	101.00	36	0.33	217.00
			44	0.40	130.00	44	10.05	196.00	40	0.37	235.00
									44	0.40	253.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )	
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S
44	0.	70.00	41	25.77	73.00	41	5.19
			42	13.42	106.00	42	3.99
			43	10.38	139.00	43	3.51
			44	9.01	172.00	44	3.24
						1	0.20
						2	0.30
						3	0.40
						4	0.51
						7	0.93
						8	1.15
						11	1.46
						12	1.79
						22	2.34
						16	2.44
						23	3.03
						20	3.08
						27	3.56
						24	3.73
						31	4.09
						28	4.37
						32	5.01
						36	5.66
						40	6.30
						44	6.94
							22.00
							32.00
							43.00
							53.00
							64.00
							79.00
							84.00
							105.00
							108.00
							129.00
							142.00
							153.00
							163.00
							177.00
							182.00
							202.00
							226.00
							248.00
							268.00
							297.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1 M )		(INTER-HOUSE DISTANCE= 2 M )		(INTER-HOUSE DISTANCE= 3 M )		(INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX
44	2.46	123.00	41	48.98	88.00	1	0.15	30.00
			42	25.09	126.00	5	0.24	44.00
			43	17.23	167.00	7	0.32	58.00
			44	15.59	207.00	6	0.38	64.00
						13	0.41	72.00
						17	0.49	85.00
						21	0.58	98.00
						25	0.66	111.00
						11	0.72	112.00
						29	0.75	123.00
						33	0.83	135.00
						15	0.90	138.00
						12	0.91	139.00
						37	0.92	145.00
						41	1.00	155.00
						26	1.06	160.00
						19	1.09	163.00
						16	1.15	172.00
						30	1.20	177.00
						23	1.28	188.00
						34	1.33	194.00
						20	1.37	203.00
						27	1.46	212.00
						42	1.61	222.00
						24	1.63	234.00
						35	1.84	255.00
						28	1.86	263.00
						39	2.02	274.00
						32	2.10	290.00
						43	2.21	272.00
						36	2.34	316.00
						40	2.58	340.00
						44	2.82	342.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER





O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX
1	0.28	10.00	1	0.73	16.00	1	1.60	22.00	1	0.73	30.00
2	0.37	15.00	2	0.98	23.00	2	2.10	31.00	2	0.98	43.00
3	0.51	20.00	5	1.18	24.00	5	2.52	32.00	5	1.18	44.00
4	0.63	24.00	3	1.24	30.00	3	2.60	42.00	3	1.24	57.00
13	0.84	25.00	4	1.50	38.00	4	3.10	52.00	4	1.50	71.00
7	0.86	29.00	7	2.00	45.00	7	4.11	62.00	7	2.00	85.00
9	1.07	36.00	9	2.43	56.00	9	4.91	77.00	9	2.43	105.00
11	1.20	38.00	11	2.77	60.00	11	5.62	82.00	11	2.77	112.00
18	1.45	42.00	12	3.36	74.00	12	6.73	102.00	12	3.36	139.00
12	1.50	48.00	22	4.00	75.00	22	6.17	103.00	22	4.00	142.00
22	1.71	49.00	16	4.30	92.00	16	8.54	126.00	16	4.30	172.00
19	1.90	56.00	23	5.07	100.00	23	10.15	137.00	23	5.07	188.00
16	1.93	57.00	20	5.23	108.00	20	10.35	149.00	20	5.23	203.00
23	2.24	64.00	27	5.83	112.00	27	11.66	155.00	27	5.83	212.00
20	2.37	70.00	24	6.16	124.00	24	12.16	171.00	24	6.16	234.00
27	2.59	72.00	42	7.01	126.00	31	13.17	175.00	28	7.10	253.00
24	2.80	80.00	28	7.10	140.00	28	13.97	193.00	32	8.03	290.00
28	3.24	90.00	32	8.03	154.00	32	15.79	217.00	43	8.90	292.00
39	3.63	93.00	43	8.90	167.00	36	17.60	239.00	36	8.97	316.00
32	3.67	99.00	35	8.97	171.00	40	19.41	260.00	40	9.90	340.00
36	4.10	100.00	40	9.90	190.00	44	21.22	279.00	44	10.83	362.00
40	4.54	116.00	44	10.03	207.00						
44	4.97	123.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1 M ) (INTER-HOUSE DISTANCE= 2 M ) (INTER-HOUSE DISTANCE= 3 M ) (INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.33	7.00	1	1.21	13.00	1	2.67	21.00	1	0.33	22.00
2	0.45	11.00	2	1.57	19.00	2	3.43	30.00	2	0.45	32.00
3	0.58	14.00	3	1.74	25.00	3	4.18	40.00	3	0.58	43.00
4	0.70	18.00	4	2.30	31.00	4	4.93	50.00	4	0.70	53.00
7	1.11	21.00	7	3.44	37.00	7	7.13	50.00	7	1.11	64.00
8	1.35	26.00	8	4.09	46.00	8	8.42	74.00	8	1.35	79.00
11	1.64	29.00	11	4.94	49.00	11	10.07	79.00	11	1.64	84.00
12	2.00	35.00	12	5.89	60.00	12	11.71	90.00	12	2.00	105.00
16	2.65	43.00	16	7.63	61.00	16	15.37	121.00	16	2.65	108.00
23	3.24	47.00	16	7.68	74.00	20	18.88	143.00	16	2.65	129.00
20	3.31	51.00	23	9.45	81.00	27	21.86	147.00	23	3.24	142.00
27	3.77	52.00	20	7.47	88.00	24	22.37	164.00	20	3.31	153.00
24	3.76	58.00	27	10.95	91.00	31	24.81	168.00	27	3.77	163.00
20	4.41	65.00	24	11.27	101.00	28	25.06	185.00	24	3.76	177.00
32	5.26	72.00	28	13.06	113.00	32	27.95	208.00	31	4.30	182.00
36	5.91	70.00	32	14.85	125.00	36	32.03	229.00	28	4.61	202.00
40	6.56	84.00	39	15.46	126.00	40	36.32	250.00	32	5.26	226.00
44	7.21	90.00	36	16.65	140.00	44	39.81	268.00	36	5.90	233.00
			40	18.44	157.00				43	5.91	240.00
			44	20.23	172.00				40	6.56	268.00
									44	7.21	287.00

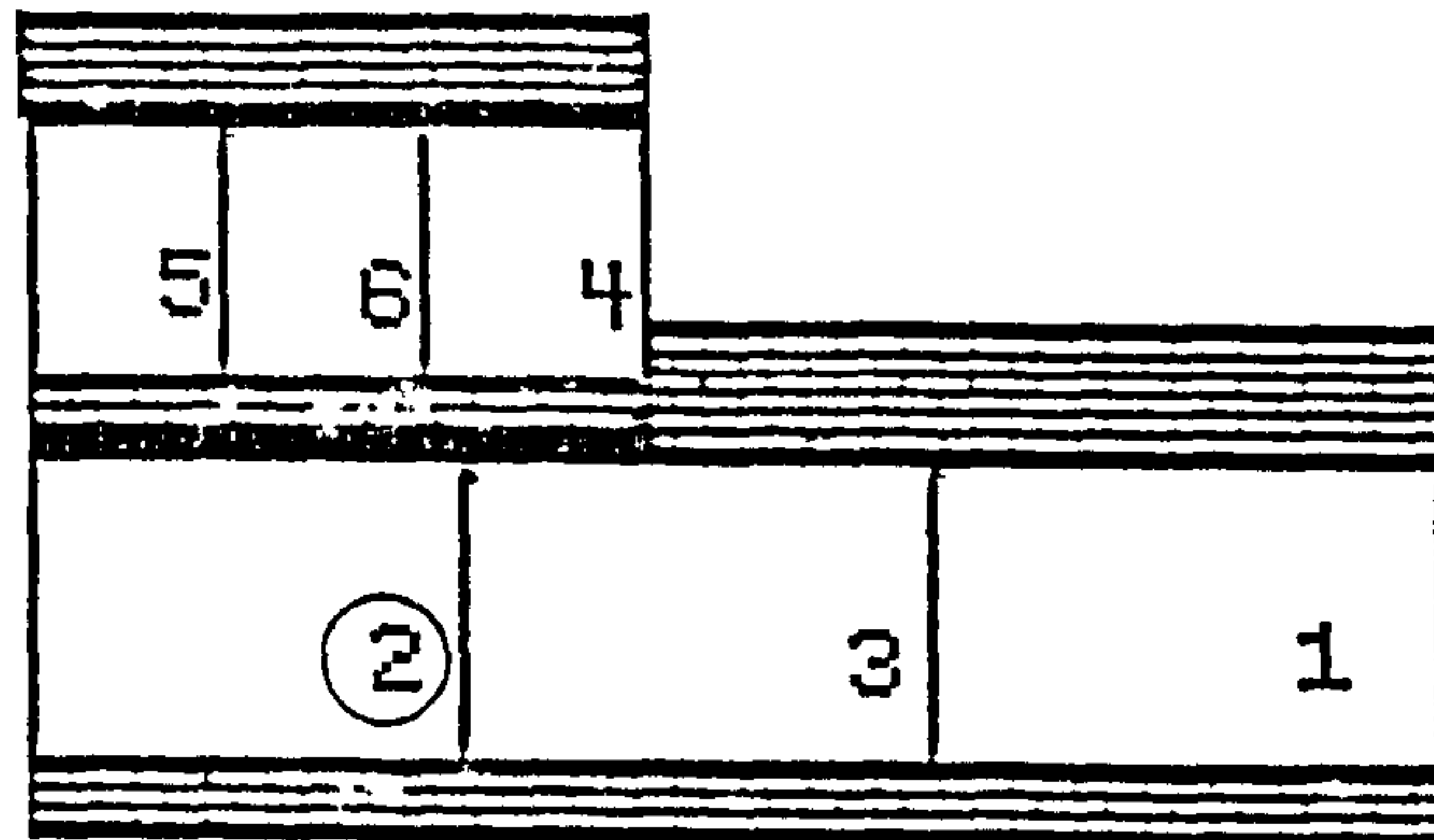
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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX
1	0.03	5.00	1	0.03	12.00	1	0.19	18.00
2	0.04	7.00	2	0.04	18.00	2	0.25	26.00
3	0.05	9.00	3	0.05	24.00	3	0.31	35.00
4	0.06	12.00	4	0.06	30.00	4	0.37	43.00
7	0.25	14.00	7	0.25	36.00	7	0.93	51.00
8	0.31	17.00	8	0.31	44.00	8	1.12	64.00
11	0.48	19.00	11	0.48	47.00	11	1.58	68.00
12	0.59	23.00	12	0.59	59.00	12	1.91	84.00
16	0.98	28.00	16	0.98	72.00	16	2.70	104.00
23	1.16	31.00	23	1.16	79.00	23	3.48	123.00
20	1.17	34.00	20	1.17	86.00	20	4.18	129.00
27	1.39	35.00	27	1.39	88.00	27	4.27	142.00
24	1.46	37.00	24	1.46	98.00	24	4.83	146.00
28	1.74	43.00	28	1.73	103.00	28	5.06	160.00
32	2.03	48.00	32	1.74	110.00	32	5.48	163.00
36	2.32	52.00	36	2.03	121.00	36	5.84	182.00
40	2.60	56.00	40	2.00	123.00	40	6.63	202.00
44	2.89	59.00	44	2.31	136.00	44	7.42	220.00
				2.60	153.00		8.21	238.00
				2.89	168.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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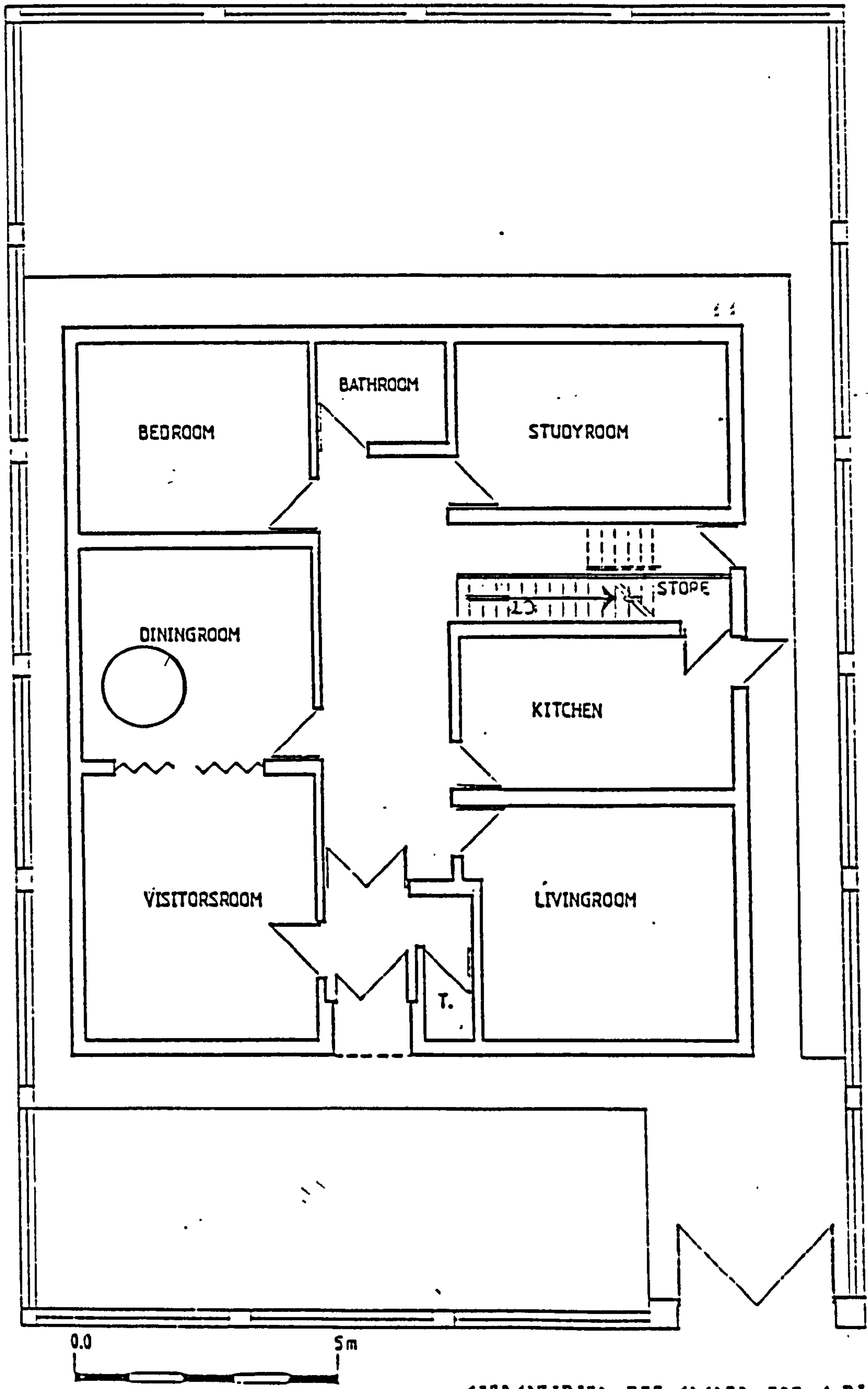


Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1292
22.5	1293
45	1294
67.5	1295
90	1296
112.5	1297
135	1298
157.5	1299
180	1300
202.5	1301
225	1302
247.5	1303
270	1304
292.5	1305
315	1306
337.5	1307



GROUND FLOOR PLAN

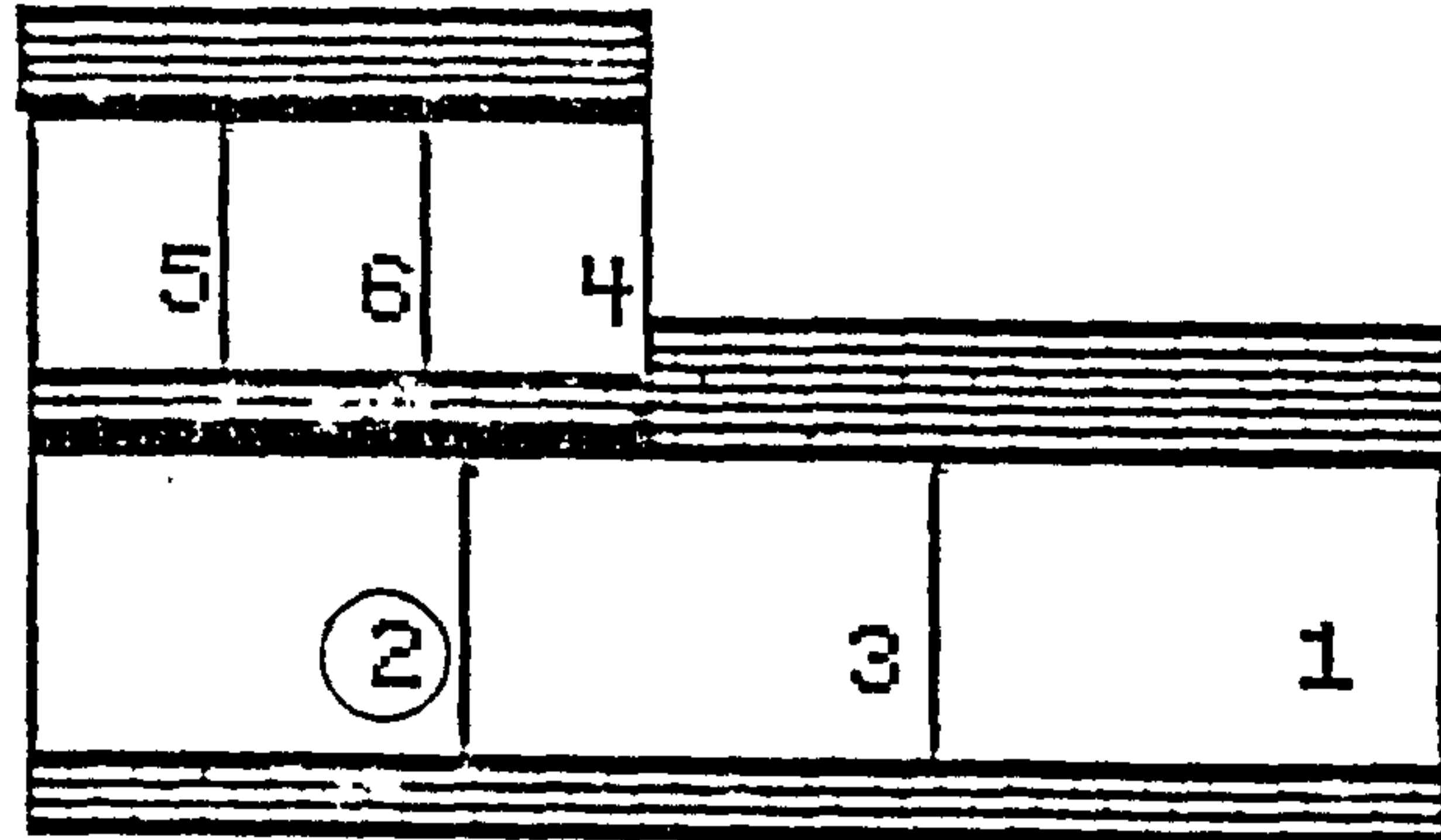




O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
4	0.	15.00	1	0.03	15.00	1	0.85	23.00
7	0.03	18.00	2	0.04	23.00	2	1.09	33.00
8	0.04	22.00	3	0.05	30.00	3	1.33	43.00
11	0.08	23.00	4	0.06	37.00	4	1.57	54.00
12	0.11	29.00	7	0.25	45.00	7	3.05	65.00
41	0.16	31.00	8	0.31	56.00	8	3.41	80.00
16	0.18	36.00	11	0.40	57.00	11	4.79	85.00
23	0.25	39.00	12	0.59	74.00	12	5.68	106.00
20	0.26	42.00	22	0.87	75.00	16	7.76	131.00
27	0.30	44.00	16	0.88	91.00	20	7.83	155.00
24	0.33	47.00	23	1.16	97.00	27	11.76	160.00
20	0.41	55.00	20	1.17	107.00	24	11.90	178.00
39	0.46	56.00	27	1.39	111.00	20	13.98	200.00
32	0.48	60.00	24	1.44	123.00	32	16.05	220.00
36	0.55	65.00	28	1.74	130.00	36	18.12	237.00
40	0.63	70.00	32	2.03	153.00	40	20.20	257.00
44	0.70	75.00	36	2.32	166.00	44	22.27	274.00
			40	2.60	178.00			
			44	2.87	190.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

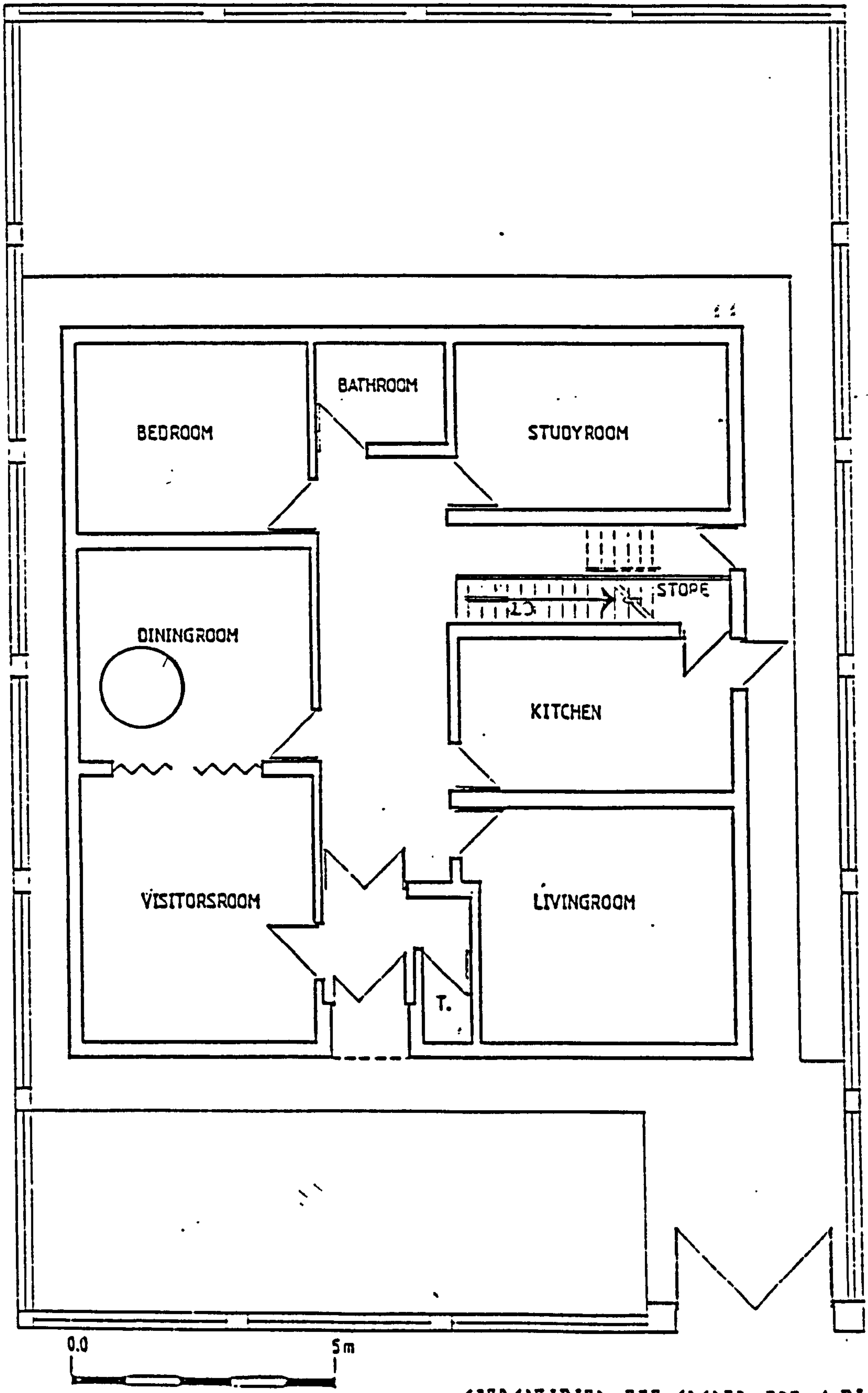


Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1292
22.5	1293
45	1294
67.5	1295
90	1296
112.5	1297
135	1298
157.5	1299
180	1300
202.5	1301
225	1302
247.5	1303
270	1304
292.5	1305
315	1306
337.5	1307



GROUND FLOOR PLAN

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
35	0.	59.00	12	0.	55.00	4	0.	43.00	4	0.	50.00
44	0.01	68.00	16	0.26	68.00	7	0.17	52.00	7	0.30	69.00
			20	0.57	80.00	8	0.22	64.00	8	0.44	85.00
			24	0.07	92.00	11	0.70	68.00	11	1.41	91.00
			28	1.10	104.00	12	0.04	85.00	12	1.67	114.00
			32	1.49	114.00	16	1.71	104.00	16	3.16	140.00
			36	1.79	124.00	20	2.63	124.00	20	4.67	166.00
			40	2.10	130.00	24	3.55	142.00	24	6.23	191.00
			44	2.41	142.00	28	4.47	159.00	28	7.76	214.00
						32	5.37	175.00	32	9.29	236.00
						36	6.31	191.00	36	10.83	255.00
						40	7.24	205.00	40	12.37	276.00
						44	8.16	218.00	44	13.91	293.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
4	0.	15.00	1	0.03	15.00	1	0.85	23.00	1	0.19	27.00
7	0.03	18.00	2	0.04	23.00	2	1.09	33.00	2	0.25	43.00
9	0.04	22.00	3	0.05	30.00	3	1.33	43.00	3	0.31	56.00
11	0.08	23.00	4	0.06	37.00	4	1.57	54.00	4	0.37	70.00
12	0.11	27.00	7	0.25	45.00	7	3.05	65.00	7	0.93	84.00
41	0.16	31.00	8	0.31	56.00	8	3.61	80.00	8	1.12	105.00
16	0.18	36.00	11	0.40	57.00	11	4.79	85.00	11	1.58	111.00
23	0.25	39.00	12	0.59	74.00	12	5.58	106.00	12	1.91	138.00
20	0.26	42.00	22	0.87	75.00	16	7.76	131.00	16	2.70	171.00
27	0.30	44.00	16	0.88	91.00	20	9.83	155.00	20	3.48	202.00
24	0.33	47.00	23	1.16	97.00	27	11.76	160.00	27	4.18	200.00
28	0.41	55.00	20	1.17	107.00	24	11.90	178.00	24	4.27	232.00
39	0.46	56.00	27	1.39	111.00	20	13.98	200.00	28	5.06	260.00
32	0.48	60.00	24	1.45	123.00	32	16.05	220.00	32	5.84	286.00
36	0.55	65.00	28	1.74	138.00	35	18.12	239.00	36	6.63	311.00
40	0.63	70.00	32	2.03	153.00	40	20.20	257.00	40	7.42	335.00
44	0.70	75.00	36	2.32	166.00	44	22.27	274.00	44	8.21	356.00
			40	2.60	178.00						
			44	2.87	190.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

ORIENTATION =

(INTER-HOUSE DISTANCE= 1 M ) (INTER-HOUSE DISTANCE= 2 M ) (INTER-HOUSE DISTANCE= 3 M ) (INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	3.79	46.00	1	0.09	16.00	1	0.33	27.00	1	0.33	34.00
42	2.11	67.00	2	0.13	23.00	2	0.45	39.00	2	0.45	49.00
43	1.65	87.00	3	0.18	31.00	3	0.58	52.00	3	0.58	65.00
44	1.44	111.00	4	0.22	38.00	4	0.70	64.00	4	0.70	81.00
			7	0.39	46.00	7	1.11	77.00	7	1.11	97.00
			8	0.48	57.00	8	1.35	96.00	8	1.35	121.00
			11	0.53	61.00	11	1.54	102.00	11	1.64	128.00
			10	0.73	67.00	12	2.00	127.00	12	2.00	160.00
			12	0.74	76.00	22	2.52	129.00	22	2.52	162.00
			22	0.88	77.00	16	2.65	157.00	16	2.65	197.00
			19	0.97	87.00	23	3.24	171.00	23	3.24	215.00
			16	1.00	93.00	20	3.31	185.00	20	3.31	233.00
			30	1.18	95.00	27	3.77	191.00	27	3.77	241.00
			23	1.20	102.00	24	3.96	213.00	24	3.96	268.00
			20	1.25	110.00	20	4.61	238.00	28	4.61	300.00
			27	1.40	114.00	32	5.26	263.00	32	5.26	331.00
			24	1.51	127.00	36	5.91	296.00	36	5.91	360.00
			28	1.77	142.00	40	6.56	307.00	40	6.56	387.00
			39	2.01	147.00	44	7.21	327.00	44	7.21	412.00
			32	2.03	157.00						
			36	2.29	170.00						
			40	2.54	183.00						
			44	2.80	175.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	7.65	79.00	1	0.07	21.00	1	0.28	28.00	1	0.73	38.00
43	1.89	131.00	2	0.11	30.00	2	0.37	41.00	2	0.98	56.00
44	0.93	164.00	5	0.12	31.00	5	0.47	42.00	5	1.18	57.00
			3	0.15	40.00	3	0.51	54.00	3	1.24	74.00
			9	0.17	41.00	4	0.63	67.00	4	1.50	92.00
			6	0.18	45.00	13	0.64	68.00	7	2.00	110.00
			4	0.19	47.00	7	0.66	80.00	8	2.43	136.00
			13	0.22	50.00	17	1.03	81.00	11	2.77	145.00
			7	0.26	59.00	9	1.07	100.00	12	3.36	180.00
			10	0.26	59.00	11	1.20	106.00	22	4.00	183.00
			21	0.32	68.00	19	1.45	117.00	16	4.30	223.00
			8	0.34	74.00	12	1.50	132.00	23	5.07	243.00
			11	0.37	78.00	22	1.71	134.00	20	5.23	263.00
			18	0.42	85.00	19	1.90	155.00	27	5.03	272.00
			33	0.48	91.00	16	1.93	163.00	24	6.16	302.00
			12	0.47	97.00	23	2.24	178.00	28	7.10	339.00
			15	0.47	97.00	20	2.37	173.00	32	8.03	374.00
			22	0.50	99.00	27	2.59	199.00	35	8.97	407.00
			26	0.58	111.00	24	2.80	222.00	40	9.90	437.00
			19	0.60	114.00	28	3.24	247.00	44	10.83	465.00
			16	0.65	120.00	39	3.63	257.00			
			30	0.66	123.00	32	3.67	274.00			
			23	0.71	131.00	36	4.10	298.00			
			34	0.74	132.00	40	4.54	320.00			
			20	0.80	142.00	44	4.97	341.00			
			27	0.82	147.00						
			42	0.90	151.00						
			31	0.94	162.00						
			24	0.95	163.00						
			35	1.05	176.00						
			29	1.10	193.00						
			39	1.16	189.00						
			32	1.25	202.00						
			36	1.41	217.00						
			40	1.54	236.00						
			44	1.71	251.00						

ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
44	58.31	202.00	1	0.12	24.00	1	0.42	31.00	1	0.74	39.00
			5	0.19	36.00	2	0.60	46.00	2	1.29	56.00
			7	0.26	47.00	5	0.64	47.00	5	1.44	58.00
			6	0.32	52.00	3	0.78	60.00	3	1.63	75.00
			13	0.33	58.00	9	0.86	62.00	9	1.93	75.00
			17	0.40	69.00	6	0.92	68.00	6	1.96	84.00
			21	0.47	78.00	4	0.97	75.00	4	1.77	93.00
			25	0.54	88.00	13	1.08	76.00	13	2.42	94.00
			29	0.61	97.00	7	1.20	90.00	7	2.49	111.00
			18	0.67	100.00	8	1.48	112.00	8	3.01	138.00
			33	0.68	105.00	11	1.62	119.00	11	3.34	147.00
			37	0.75	113.00	18	1.88	131.00	18	3.98	161.00
			22	0.79	114.00	12	2.00	148.00	12	4.05	182.00
			41	0.82	120.00	22	2.20	150.00	22	4.66	185.00
			26	0.91	128.00	19	2.46	173.00	19	5.06	214.00
			19	0.94	132.00	16	2.52	182.00	16	5.09	225.00
			15	1.00	137.00	30	2.84	185.00	30	5.91	245.00
			30	1.02	141.00	23	2.88	199.00	23	6.13	266.00
			23	1.11	151.00	20	3.04	216.00	20	6.77	275.00
			34	1.14	153.00	27	3.30	223.00	27	7.17	306.00
			20	1.21	164.00	24	3.56	248.00	24	8.21	343.00
			27	1.27	170.00	28	4.08	278.00	28	9.25	378.00
			42	1.37	174.00	37	4.56	287.00	37	10.27	411.00
			24	1.42	188.00	32	4.60	306.00	32	11.33	442.00
			35	1.60	203.00	36	5.12	333.00	36	12.37	470.00
			28	1.63	211.00	40	5.64	358.00			
			37	1.76	218.00	44	6.16	381.00			
			32	1.85	233.00						
			36	2.06	253.00						
			40	2.27	272.00						
			44	2.48	270.00						



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.02	14.00	1	0.37	28.00	1	0.39	38.00
5	0.03	20.00	2	0.56	41.00	2	0.56	56.00
9	0.04	27.00	5	0.61	42.00	5	0.61	57.00
13	0.06	33.00	3	0.74	54.00	3	0.74	74.00
17	0.07	39.00	9	0.84	55.00	9	0.84	75.00
21	0.08	44.00	6	0.89	61.00	6	0.89	83.00
25	0.09	50.00	4	0.92	67.00	4	0.92	92.00
29	0.10	55.00	13	1.07	68.00	13	1.07	93.00
33	0.11	57.00	7	1.17	80.00	7	1.17	110.00
37	0.13	64.00	17	1.30	81.00	8	1.45	136.00
41	0.14	68.00	3	1.45	100.00	11	1.60	145.00
26	0.23	72.00	11	1.60	106.00	18	1.68	150.00
30	0.26	80.00	10	1.88	117.00	12	1.98	180.00
34	0.29	86.00	12	1.98	132.00	22	2.21	183.00
38	0.32	93.00	22	2.21	134.00	17	2.46	212.00
42	0.35	99.00	19	2.46	155.00	16	2.51	223.00
31	0.42	106.00	16	2.51	163.00	30	2.87	226.00
24	0.45	107.00	30	2.87	165.00	23	2.89	243.00
35	0.47	115.00	23	2.87	178.00	20	3.05	263.00
39	0.51	123.00	20	3.05	193.00	27	3.32	272.00
43	0.56	131.00	27	3.32	199.00	24	3.50	302.00
32	0.58	132.00	24	3.58	222.00	28	4.11	339.00
36	0.64	143.00	28	4.11	247.00	39	4.62	350.00
40	0.71	154.00	39	4.62	257.00	32	4.64	374.00
44	0.77	164.00	32	4.64	274.00	36	5.17	407.00
			36	5.17	298.00	40	5.71	437.00
			40	5.71	320.00	44	6.24	465.00
			44	6.24	341.00			

OR I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.12	9.00	1	0.09	16.00	1	0.16	27.00
2	0.16	13.00	5	0.14	24.00	2	0.25	39.00
3	0.21	19.00	9	0.19	32.00	5	0.26	40.00
4	0.25	22.00	6	0.22	35.00	3	0.34	52.00
7	0.46	26.00	4	0.24	30.00	9	0.37	53.00
8	0.56	33.00	13	0.25	39.00	6	0.41	58.00
11	0.72	35.00	7	0.30	46.00	1	0.43	64.00
12	0.86	43.00	10	0.30	46.00	13	0.47	65.00
16	1.17	53.00	17	0.30	46.00	7	0.55	77.00
20	1.48	63.00	21	0.35	53.00	21	0.67	89.00
27	1.74	65.00	8	0.37	57.00	9	0.69	96.00
24	1.79	72.00	11	0.40	61.00	11	0.77	102.00
28	2.09	81.00	29	0.45	65.00	18	0.88	112.00
32	2.40	90.00	18	0.46	67.00	12	0.96	127.00
36	2.71	97.00	33	0.50	71.00	22	1.04	129.00
40	3.01	105.00	12	0.51	76.00	17	1.19	149.00
44	3.32	111.00	22	0.54	77.00	16	1.23	157.00
			41	0.60	80.00	30	1.36	157.00
			19	0.62	89.00	23	1.41	171.00
			16	0.64	93.00	20	1.50	185.00
			30	0.67	95.00	27	1.62	191.00
			23	0.73	102.00	24	1.77	213.00
			34	0.77	103.00	38	2.04	238.00
			20	0.78	110.00	39	2.26	246.00
			27	0.83	114.00	32	2.31	253.00
			24	0.91	127.00	26	2.58	286.00
			28	1.05	142.00	30	2.85	307.00
			39	1.15	147.00	44	3.12	327.00
			32	1.18	157.00			
			36	1.32	170.00			
			40	1.45	183.00			
			44	1.59	195.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
7	0.	18.00	41	1.92	70.00	11	1.22	113.00	17	2.64	84.00
8	0.02	22.00	42	1.13	114.00	42	0.81	165.00	21	2.57	96.00
11	0.05	23.00	43	0.90	152.00	43	0.67	219.00	25	2.53	108.00
12	0.10	29.00	44	0.76	190.00	44	0.58	274.00	29	2.50	119.00
16	0.22	36.00							33	2.47	127.00
23	0.31	39.00							37	2.47	138.00
20	0.34	42.00							41	2.46	147.00
27	0.39	44.00							30	1.65	173.00
24	0.46	49.00							42	1.64	214.00
35	0.56	52.00							43	1.35	205.00
28	0.57	55.00							44	1.17	356.00
39	0.64	56.00									
32	0.69	60.00									
31	0.81	65.00									
40	0.92	70.00									
44	1.04	75.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M )		( INTER-HOUSE DISTANCE= 2 M )		( INTER-HOUSE DISTANCE= 3 M )		( INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
43	0.	54.00	42	0.	95.00	42	0.	131.00
32	0.14	55.00	35	0.06	99.00	35	0.06	153.00
36	0.15	59.00	43	0.07	114.00	43	0.07	175.00
40	0.18	64.00	36	0.33	124.00	32	0.33	191.00
44	0.20	68.00	40	0.37	133.00	36	0.37	205.00
			44	0.40	142.00	44	0.40	218.00
						42	0.	176.00
						35	0.06	205.00
						43	0.07	235.00
						32	0.30	236.00
						36	0.33	256.00
						40	0.37	276.00
						44	0.40	293.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M )		( INTER-HOUSE DISTANCE= 2 M )		( INTER-HOUSE DISTANCE= 3 M )		( INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
43	0.	60.00	1	0.01	16.00	1	0.01	23.00
36	0.09	65.00	2	0.04	23.00	2	0.04	33.00
40	0.10	70.00	3	0.07	30.00	5	0.05	34.00
44	0.11	75.00	9	0.11	31.00	3	0.07	43.00
			4	0.12	37.00	9	0.11	44.00
			13	0.17	38.00	4	0.12	54.00
			7	0.21	45.00	13	0.19	55.00
			6	0.32	56.00	7	0.21	65.00
			11	0.41	59.00	8	0.32	80.00
			12	0.60	74.00	11	0.41	85.00
			22	0.91	75.00	12	0.60	106.00
			16	0.92	81.00	22	0.81	108.00
			30	1.23	92.00	16	0.92	131.00
			23	1.24	93.00	30	1.23	133.00
			20	1.30	107.00	23	1.24	143.00
			27	1.55	111.00	20	1.30	155.00
			24	1.72	120.00	27	1.55	160.00
			26	2.15	130.00	24	1.72	178.00
			39	2.48	140.00	26	2.15	200.00
			32	2.57	150.00	39	2.48	206.00
			36	2.97	156.00	32	2.57	220.00
			40	3.41	178.00	36	2.97	239.00
			44	3.83	190.00	40	3.41	257.00
						44	3.83	274.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
44	0.	111.00	41	1.93	80.00	1	4.47	34.00
			42	1.08	117.00	2	3.93	49.00
			43	0.87	156.00	3	3.63	65.00
			44	0.81	195.00	4	3.45	81.00
						7	1.87	97.00
						8	1.82	121.00
			11	1.80	102.00	11	1.52	128.00
			12	2.23	127.00	12	1.47	160.00
			22	2.71	127.00	16	1.30	197.00
			16	2.95	157.00	20	1.25	233.00
			23	3.55	171.00	24	1.20	268.00
			20	3.67	185.00	28	1.17	300.00
			27	4.13	191.00	32	1.15	331.00
			24	4.39	213.00	36	1.13	360.00
			30	5.11	238.00	40	1.11	387.00
			32	5.83	263.00	44	1.10	412.00
			26	6.55	286.00			
			40	7.27	307.00			
			44	8.00	327.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.	17.00	1	0.12	24.00	1	0.12	31.00	1	0.94	37.00
21	0.01	55.00	5	0.19	36.00	5	0.19	47.00	2	1.29	56.00
37	0.02	70.00	9	0.26	47.00	9	0.26	62.00	5	1.44	58.00
41	0.03	83.00	6	0.32	52.00	6	0.32	68.00	3	1.63	75.00
26	0.13	99.00	13	0.33	58.00	13	0.33	76.00	9	1.93	76.00
30	0.15	98.00	17	0.40	69.00	17	0.40	90.00	6	1.96	84.00
34	0.17	106.00	21	0.47	70.00	21	0.47	103.00	4	1.97	93.00
38	0.19	114.00	25	0.54	88.00	25	0.54	115.00	13	2.42	94.00
42	0.20	121.00	29	0.61	97.00	29	0.61	127.00	7	2.49	111.00
31	0.28	130.00	18	0.67	100.00	18	0.67	131.00	8	3.01	138.00
35	0.31	141.00	33	0.68	105.00	33	0.68	138.00	11	3.34	147.00
39	0.35	152.00	37	0.75	113.00	37	0.75	148.00	18	3.98	161.00
43	0.38	162.00	22	0.79	114.00	22	0.79	150.00	12	4.05	182.00
36	0.44	177.00	41	0.82	120.00	41	0.82	157.00	22	4.66	185.00
40	0.51	190.00	26	0.91	129.00	26	0.91	168.00	19	5.06	214.00
44	0.56	202.00	19	0.94	132.00	19	0.94	173.00	16	5.09	225.00
			16	1.00	139.00	16	1.00	182.00	23	5.91	245.00
			30	1.02	141.00	30	1.02	185.00	20	6.13	266.00
			23	1.11	151.00	23	1.11	199.00	27	6.77	275.00
			34	1.14	153.00	34	1.14	201.00	24	7.17	306.00
			20	1.21	164.00	20	1.21	216.00	28	8.21	343.00
			27	1.27	170.00	27	1.27	223.00	32	9.25	378.00
			42	1.37	174.00	42	1.37	229.00	36	10.27	411.00
			24	1.42	188.00	24	1.42	248.00	40	11.33	442.00
			35	1.60	203.00	35	1.60	267.00	44	12.37	470.00
			28	1.63	211.00	28	1.63	278.00			
			39	1.76	218.00	39	1.76	287.00			
			32	1.85	233.00	32	1.85	306.00			
			36	2.06	252.00	36	2.06	333.00			
			40	2.27	272.00	40	2.27	358.00			
			44	2.48	290.00	44	2.48	381.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
42	7.65	99.00	1	0.07	21.00	1	0.07	28.00	1	0.28	38.00
43	1.89	131.00	2	0.11	30.00	2	0.11	41.00	2	0.39	56.00
44	0.93	164.00	5	0.12	31.00	5	0.12	42.00	5	0.47	57.00
			3	0.15	40.00	3	0.15	54.00	3	0.51	74.00
			9	0.17	41.00	9	0.17	55.00	4	0.63	92.00
			6	0.18	45.00	6	0.18	61.00	13	0.84	93.00
			4	0.19	49.00	4	0.19	67.00	7	0.86	110.00
			13	0.22	50.00	13	0.22	68.00	8	1.07	136.00
			7	0.26	59.00	7	0.26	80.00	11	1.20	145.00
			10	0.26	59.00	10	0.26	80.00	18	1.45	160.00
			21	0.32	68.00	17	0.27	81.00	12	1.50	180.00
			8	0.34	74.00	21	0.32	92.00	22	1.71	183.00
			11	0.37	78.00	8	0.34	100.00	19	1.90	212.00
			18	0.42	86.00	11	0.37	106.00	16	1.93	223.00
			33	0.48	91.00	18	0.42	117.00	23	2.24	243.00
			12	0.49	97.00	33	0.48	123.00	20	2.37	263.00
			15	0.49	97.00	12	0.49	132.00	27	2.59	272.00
			22	0.50	99.00	22	0.50	134.00	24	2.80	302.00
			26	0.58	111.00	26	0.58	150.00	28	3.24	339.00
			19	0.60	114.00	19	0.60	155.00	39	3.63	350.00
			16	0.65	120.00	16	0.65	163.00	32	3.67	374.00
			30	0.66	122.00	30	0.66	165.00	36	4.10	407.00
			23	0.71	131.00	23	0.71	178.00	40	4.54	437.00
			34	0.74	132.00	34	0.74	180.00	44	4.97	465.00
			20	0.80	142.00	20	0.80	193.00			
			27	0.82	147.00	27	0.82	199.00			
			42	0.90	151.00	42	0.90	205.00			
			31	0.94	162.00	31	0.94	220.00			
			24	0.95	163.00	24	0.95	222.00			
			35	1.05	176.00	35	1.05	239.00			
			28	1.10	183.00	28	1.10	249.00			
			39	1.16	189.00	39	1.16	257.00			
			32	1.25	202.00	32	1.25	274.00			
			36	1.41	219.00	36	1.41	298.00			
			40	1.56	236.00	40	1.56	320.00			
			44	1.71	251.00	44	1.71	341.00			

PARETO OPTIMAL SOLUTIONS IN RANK ORDER

ORIENTATION =

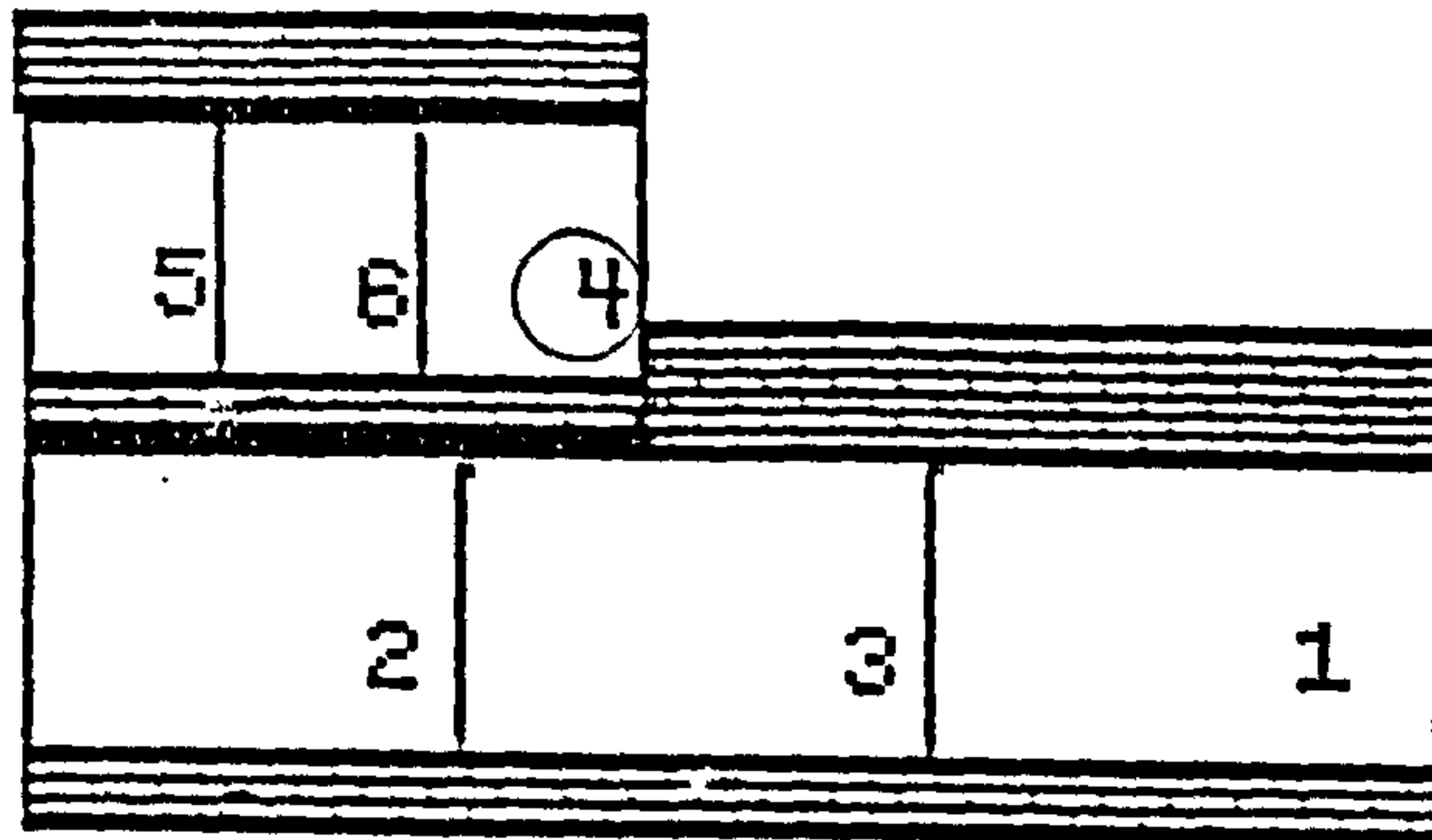
WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
1	0.25	9.00	41	3.99	80.00	44	2.80	327.00	44	2.80	412.00
2	0.34	13.00	42	2.11	117.00	40	2.54	307.00	40	2.54	387.00
3	0.43	18.00	43	1.65	156.00	36	2.29	286.00	36	2.29	360.00
4	0.51	22.00	44	1.44	195.00	32	2.03	263.00	32	2.03	331.00
7	0.80	26.00				39	2.01	246.00	39	2.01	310.00
8	0.97	33.00				28	1.77	238.00	28	1.77	300.00
11	1.18	35.00				24	1.51	213.00	24	1.51	268.00
12	1.43	43.00				27	1.40	191.00	27	1.40	241.00
22	1.80	44.00				20	1.25	185.00	20	1.25	233.00
16	1.89	53.00				23	1.20	171.00	23	1.20	215.00
23	2.31	58.00				30	1.18	159.00	30	1.18	200.00
20	2.35	63.00				16	1.00	157.00	16	1.00	197.00
27	2.68	65.00				19	0.99	147.00	19	0.99	187.00
24	2.81	72.00				22	0.88	129.00	22	0.88	162.00
28	3.27	81.00				12	0.74	127.00	12	0.74	160.00
32	3.72	90.00				18	0.73	112.00	18	0.73	141.00
36	4.18	97.00				11	0.58	102.00	11	0.58	128.00
40	4.64	105.00				8	0.48	96.00	8	0.48	121.00
44	5.10	111.00				7	0.38	77.00	7	0.38	97.00
						4	0.22	64.00	4	0.22	81.00
						3	0.18	52.00	3	0.18	65.00
						2	0.13	39.00	2	0.13	49.00
						1	0.09	27.00	1	0.09	34.00

PARETO OPTIMAL SOLUTIONS IN RANK ORDER

ORIENTATION =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.03	5.00	4	0.	37.00	1	0.03	23.00	1	0.03	29.00
2	0.04	9.00	7	0.03	45.00	2	0.04	33.00	2	0.04	43.00
3	0.05	12.00	8	0.04	56.00	3	0.05	43.00	3	0.05	56.00
4	0.06	15.00	11	0.08	59.00	4	0.06	54.00	4	0.06	70.00
7	0.25	18.00	12	0.11	74.00	7	0.25	65.00	7	0.25	84.00
8	0.31	22.00	41	0.16	78.00	8	0.31	80.00	8	0.31	105.00
11	0.48	23.00	16	0.18	91.00	11	0.48	95.00	11	0.48	111.00
12	0.59	27.00	30	0.23	92.00	12	0.59	106.00	12	0.59	138.00
16	0.88	36.00	23	0.25	99.00	22	0.87	108.00	22	0.87	140.00
23	1.16	39.00	20	0.26	107.00	16	0.88	131.00	16	0.88	171.00
29	1.17	42.00	27	0.30	111.00	23	1.16	143.00	23	1.16	186.00
27	1.39	44.00	24	0.33	123.00	20	1.17	155.00	20	1.17	202.00
24	1.46	49.00	28	0.41	130.00	27	1.39	160.00	27	1.39	208.00
28	1.74	55.00	39	0.46	143.00	24	1.46	178.00	24	1.46	232.00
32	2.03	60.00	32	0.48	150.00	28	1.74	200.00	28	1.74	260.00
36	2.32	65.00	36	0.55	166.00	32	2.03	220.00	32	2.03	286.00
40	2.60	70.00	40	0.63	178.00	36	2.32	239.00	36	2.32	311.00
44	2.89	75.00	44	0.70	190.00	40	2.60	257.00	40	2.60	335.00
						44	2.89	274.00	44	2.89	356.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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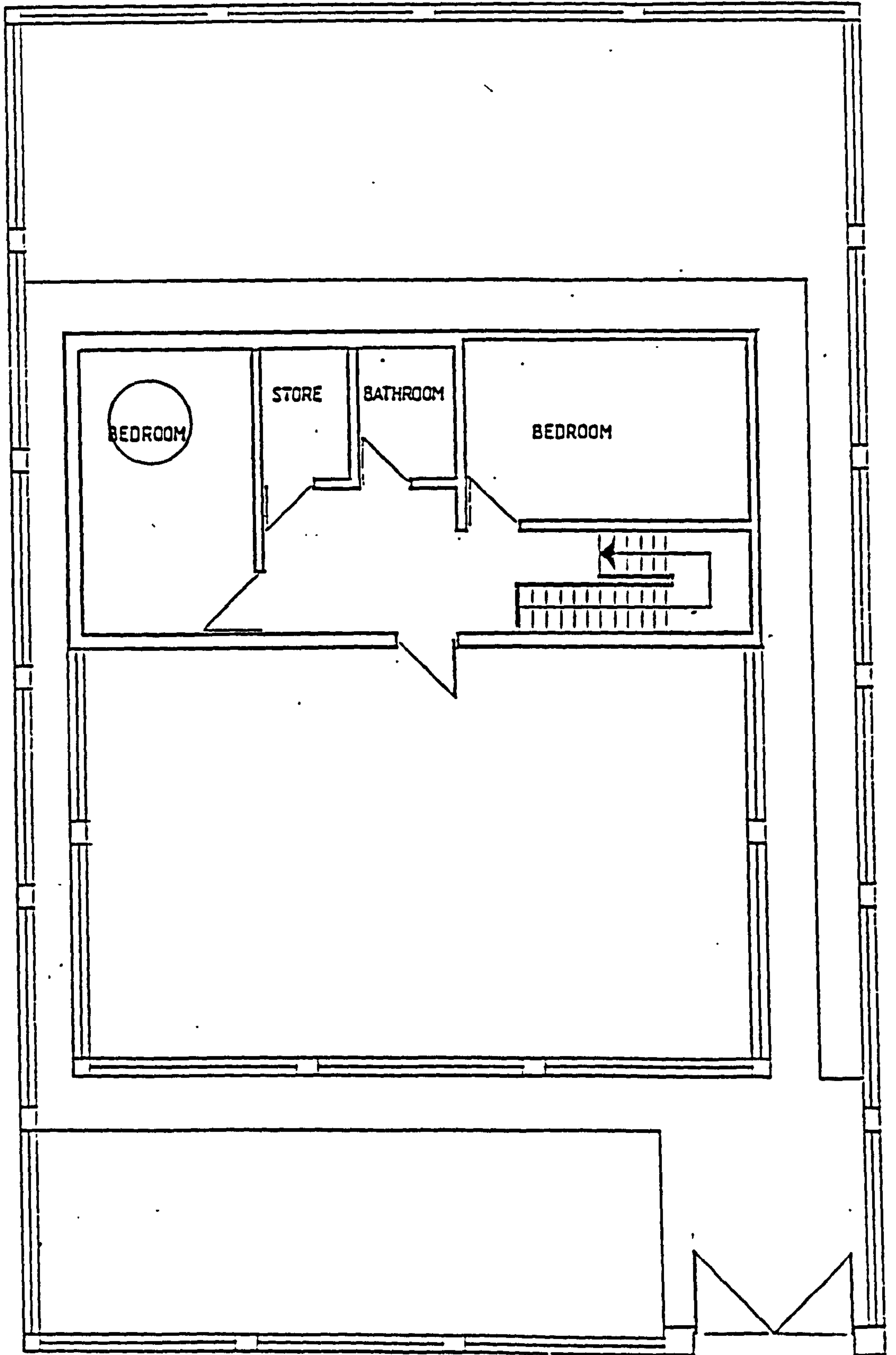
Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1328
22.5	1329
45	1330
67.5	1331
90	1332
112.5	1333
135	1334
157.5	1335
180	1336
202.5	1337
225	1338
247.5	1339
270	1340
292.5	1341
315	1342
337.5	1343





FIRST FLOOR PLAN

OPTIMIZATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	54.00	1	0.03	40.00	1	0.19	40.00	1	0.33	42.00
5	0.02	67.00	2	0.04	47.00	2	0.25	47.00	2	0.45	50.00
7	0.03	72.00	3	0.05	54.00	3	0.31	54.00	3	0.58	57.00
13	0.04	84.00	4	0.06	60.00	4	0.37	60.00	5	0.63	63.00
17	0.06	101.00	6	0.19	71.00	6	0.74	71.00	6	0.87	75.00
21	0.07	119.00	9	0.24	80.00	7	0.93	81.00	9	0.92	84.00
25	0.09	136.00	7	0.25	81.00	8	1.12	89.00	7	1.11	95.00
29	0.11	154.00	8	0.31	89.00	10	1.25	94.00	13	1.22	104.00
33	0.12	171.00	13	0.36	99.00	13	1.30	99.00	17	1.51	124.00
37	0.14	187.00	17	0.47	118.00	11	1.58	107.00	21	1.81	144.00
41	0.16	204.00	21	0.58	137.00	17	1.67	118.00	25	2.10	164.00
34	0.27	207.00	25	0.69	156.00	12	1.91	119.00	29	2.40	183.00
38	0.30	227.00	29	0.81	174.00	21	2.04	137.00	33	2.69	201.00
42	0.34	246.00	33	0.92	192.00	18	2.28	140.00	37	2.99	219.00
39	0.46	262.00	37	1.03	209.00	25	2.42	156.00	41	3.28	237.00
43	0.52	284.00	41	1.14	226.00	29	2.79	174.00	34	3.76	240.00
40	0.63	293.00	34	1.38	228.00	33	3.16	192.00	38	4.18	261.00
44	0.70	318.00	38	1.56	249.00	37	3.53	209.00	42	4.59	262.00
			42	1.73	269.00	41	3.91	226.00	39	5.37	298.00
			39	2.08	284.00	34	4.32	228.00	43	5.90	322.00
			43	2.31	307.00	39	4.93	249.00	40	5.56	331.00
			40	2.60	314.00	42	5.34	269.00	44	7.21	358.00
			44	2.89	340.00	39	6.12	284.00			
						36	6.63	288.00			
						43	6.77	307.00			
						40	7.42	314.00			
						44	8.21	340.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M ) ( INTER-HOUSE DISTANCE= 2 M ) ( INTER-HOUSE DISTANCE= 3 M ) ( INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	13.00	1	0.33	23.00	1	2.67	37.00	1	2.67	37.00
2	0.45	19.00	2	0.45	33.00	2	3.43	53.00	2	3.43	54.00
3	0.58	26.00	3	0.58	44.00	3	4.18	71.00	3	4.18	70.00
4	0.70	32.00	4	0.70	54.00	4	4.93	87.00	4	4.93	83.00
7	1.11	38.00	7	1.11	65.00	7	7.13	105.00	7	7.13	105.00
8	1.35	47.00	8	1.35	81.00	8	8.42	130.00	10	8.24	106.00
11	1.64	50.00	11	1.64	85.00	11	10.07	139.00	8	8.42	124.00
12	2.00	63.00	12	2.00	107.00	12	11.91	171.00	11	10.07	138.00
22	2.52	64.00	22	2.52	108.00	15	13.02	172.00	12	11.91	164.00
16	2.65	77.00	16	2.65	132.00	16	15.39	212.00	15	13.02	170.00
23	3.24	84.00	23	3.24	144.00	20	18.89	250.00	16	15.39	202.00
20	3.31	91.00	20	3.31	156.00	27	21.86	264.00	26	17.84	203.00
27	3.77	95.00	34	3.76	159.00	24	22.37	289.00	20	18.88	240.00
24	3.96	105.00	27	3.77	163.00	31	24.81	294.00	27	21.86	264.00
42	4.59	113.00	24	3.96	179.00	28	25.86	326.00	24	22.37	279.00
28	4.61	118.00	31	4.30	187.00	32	29.35	352.00	31	24.81	293.00
32	5.26	130.00	42	4.59	191.00	36	32.83	396.00	28	25.86	314.00
39	5.37	132.00	28	4.61	203.00	40	36.32	429.00	35	27.75	321.00
43	5.90	150.00	35	4.84	210.00	44	39.81	460.00	32	29.35	349.00
40	6.56	165.00	32	5.26	232.00				36	32.83	382.00
44	7.21	187.00	43	5.90	253.00				40	36.32	413.00
			36	5.91	261.00				44	39.81	443.00
			40	6.56	288.00						
			44	7.21	314.00						



O R I E N T A T I O N =

( INTER HOUSE DISTANCE= 1 M ) ( INTER-HOUSE DISTANCE= 2 M ) ( INTER-HOUSE DISTANCE= 3 M ) ( INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT ,Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT ,Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	501.88	90.00	41	2.17	120.00	1	0.73	30.00	1	0.73	52.00
43	113.29	119.00	42	1.99	173.00	2	0.98	43.00	2	0.98	76.00
44	47.89	149.00	43	1.85	228.00	5	1.18	44.00	5	1.18	78.00
			44	1.76	283.00	3	1.24	57.00	3	1.24	98.00
						4	1.50	70.00	4	1.50	112.00
						7	2.00	84.00	6	1.58	113.00
						8	2.43	105.00	7	2.00	146.00
						11	2.77	111.00	10	2.19	149.00
						12	3.36	139.00	8	2.43	167.00
						22	4.00	143.00	11	2.77	193.00
						16	4.30	171.00	12	3.36	221.00
						23	5.07	190.00	15	3.53	239.00
						20	5.23	202.00	22	4.00	245.00
						34	5.81	204.00	19	4.30	279.00
						27	5.83	218.00	23	5.07	317.00
						24	6.16	236.00	20	5.23	320.00
						31	6.60	244.00	34	5.81	325.00
						28	7.10	270.00	27	5.83	353.00
						32	8.03	303.00	24	6.16	364.00
						43	8.90	316.00	31	6.60	387.00
						36	8.97	335.00	28	7.10	406.00
						40	9.90	364.00	35	7.36	420.00
						44	10.83	393.00	32	8.03	446.00
									39	8.13	451.00
									43	8.90	480.00
									36	8.97	484.00
									40	9.90	521.00
									44	10.83	555.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	24.23	52.00	41	6.76	120.00	41	5.55	166.00	41	2.80	257.00
42	12.64	90.00	42	5.47	173.00	42	4.90	240.00	42	2.59	371.00
43	7.80	117.00	43	4.89	228.00	43	4.55	316.00	43	2.47	480.00
44	8.53	149.00	44	4.56	283.00	44	4.34	393.00	44	2.39	555.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
44	433.04	187.00	41	3.20	133.00	1	0.50	37.00	1	1.46	37.00
			42	2.76	191.00	2	0.70	53.00	2	1.34	54.00
			43	2.55	253.00	3	0.91	71.00	3	1.27	70.00
			44	2.43	314.00	4	1.12	87.00	4	1.23	83.00
						7	1.92	105.00	13	1.06	90.00
						8	2.35	130.00	17	1.05	107.00
						11	2.94	139.00	21	1.04	124.00
						12	3.58	171.00	25	1.03	140.00
						15	3.95	172.00	33	1.02	171.00
						22	4.68	177.00	41	1.01	198.00
						16	4.82	212.00	34	0.97	246.00
						23	5.98	234.00	42	0.96	285.00
						20	6.05	250.00	35	0.94	321.00
						27	7.00	264.00	43	0.93	372.00
						24	7.28	289.00	36	0.92	382.00
						31	8.01	294.00	44	0.91	443.00
						28	8.52	326.00			
						32	9.75	362.00			
						36	10.98	396.00			
						40	12.22	429.00			
						44	13.45	450.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
43	583.80	122.00	1	45.62	22.00	1	45.62	31.00	1	45.62	40.00
44	64.55	151.00	5	19.74	33.00	5	19.74	47.00	5	19.74	59.00
			9	13.02	43.00	9	13.02	61.00	9	13.02	78.00
			13	11.11	54.00	13	11.11	76.00	13	11.11	96.00
			17	9.68	63.00	17	9.68	89.00	17	9.68	114.00
			21	8.66	73.00	21	8.66	104.00	21	8.66	132.00
			25	8.08	82.00	25	8.08	119.00	25	8.08	149.00
			29	7.70	95.00	29	7.70	134.00	29	7.70	165.00
			33	7.44	107.00	33	7.44	148.00	33	7.44	180.00
			37	7.24	119.00	37	7.24	161.00	37	7.24	195.00
			41	7.10	130.00	41	7.10	173.00	41	7.10	208.00
			30	5.06	138.00	30	5.06	193.00	26	5.26	214.00
			34	4.92	155.00	34	4.92	213.00	30	5.06	237.00
			38	4.81	172.00	38	4.81	232.00	34	4.92	259.00
			42	4.73	188.00	42	4.73	249.00	38	4.81	280.00
			35	4.03	205.00	31	4.13	255.00	42	4.73	300.00
			39	3.95	227.00	35	4.03	281.00	31	4.13	308.00
			43	3.88	247.00	39	3.95	306.00	35	4.03	337.00
			36	3.48	255.00	43	3.88	329.00	39	3.95	364.00
			40	3.42	282.00	36	3.48	347.00	43	3.88	389.00
			44	3.37	307.00	40	3.42	377.00	36	3.48	396.00
						44	3.37	406.00	40	3.42	428.00
									44	3.27	458.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M ) ( INTER-HOUSE DISTANCE= 2 M ) ( INTER-HOUSE DISTANCE= 3 M ) ( INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	549.85	85.00	42	1163.52	158.00	42	1410.45	216.00	42	1410.45	263.00
43	90.67	112.00	43	192.73	207.00	43	234.02	284.00	43	234.02	341.00
44	19.45	137.00	44	41.48	256.00	44	50.42	350.00	44	50.42	404.00

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 PARETO OPTIMAL SOLUTIONS WITH PANE ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	10.00	1	84.41	22.00	1	133.89	31.00	1	149.26	40.00
2	0.04	15.00	5	30.45	33.00	5	49.42	47.00	5	53.29	59.00
3	0.07	20.00	3	19.09	42.00	3	30.46	60.00	3	34.14	75.00
4	0.12	24.00	9	18.29	43.00	9	30.12	61.00	9	31.86	78.00
13	0.19	25.00	6	14.84	48.00	6	24.20	67.00	6	25.15	86.00
7	0.21	29.00	13	14.03	54.00	13	23.30	76.00	13	24.39	96.00
8	0.32	36.00	17	11.51	63.00	17	19.20	89.00	17	19.97	114.00
11	0.41	39.00	21	9.88	73.00	21	16.55	104.00	21	17.13	132.00
12	0.60	48.00	25	8.96	82.00	25	15.04	119.00	25	15.52	149.00
22	0.81	49.00	29	8.36	95.00	29	14.07	134.00	29	14.48	165.00
37	0.84	55.00	33	7.95	107.00	33	13.39	148.00	33	13.75	180.00
16	0.92	59.00	37	7.64	119.00	37	12.88	161.00	37	13.21	195.00
41	0.95	64.00	41	7.40	130.00	41	12.50	173.00	41	12.80	208.00
23	1.24	65.00	30	5.31	138.00	30	8.98	193.00	30	9.83	214.00
20	1.30	70.00	34	5.07	155.00	34	8.60	213.00	34	9.61	215.00
27	1.55	72.00	38	4.90	172.00	38	8.32	232.00	38	9.25	237.00
38	1.65	79.00	42	4.77	188.00	42	8.10	249.00	42	8.84	259.00
24	1.72	80.00	35	4.06	205.00	35	7.20	255.00	35	8.53	280.00
42	1.86	92.00	39	3.93	227.00	39	6.92	281.00	39	8.30	300.00
39	2.48	105.00	43	3.83	247.00	43	6.70	306.00	43	7.42	308.00
43	2.79	122.00	36	3.45	255.00	36	6.53	329.00	36	7.11	337.00
40	3.41	130.00	40	3.35	282.00	40	5.90	347.00	40	6.88	364.00
44	3.83	151.00	44	3.26	307.00	44	5.72	377.00	44	6.69	389.00
							5.59	406.00		6.06	396.00
										5.88	428.00
										5.73	458.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

〈 INTER-HOUSE DISTANCE= 1M 〉		〈 INTER-HOUSE DISTANCE= 2M 〉		〈 INTER-HOUSE DISTANCE= 3M 〉		〈 INTER-HOUSE DISTANCE= 4M 〉					
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.43	13.00	1	0.43	23.00	1	0.43	37.00	1	0.43	37.00
2	0.61	19.00	2	0.61	33.00	2	0.61	53.00	2	0.61	54.00
3	0.80	25.00	3	0.80	44.00	3	0.80	71.00	3	0.80	70.00
4	0.99	32.00	4	0.99	54.00	4	0.99	87.00	4	0.99	83.00
7	2.37	38.00	7	2.37	65.00	7	2.37	105.00	7	2.37	105.00
8	2.88	47.00	8	2.88	81.00	8	2.88	130.00	8	2.88	124.00
11	3.97	50.00	11	3.97	86.00	11	3.97	139.00	11	3.97	138.00
12	4.80	63.00	12	4.80	107.00	12	4.80	171.00	12	4.80	164.00
15	6.73	77.00	16	6.73	132.00	15	5.57	172.00	15	5.57	170.00
20	8.66	91.00	20	8.66	156.00	16	6.73	212.00	16	6.73	202.00
27	10.37	95.00	27	10.37	163.00	20	8.66	250.00	20	8.66	240.00
24	10.58	105.00	24	10.58	179.00	27	10.37	264.00	27	10.37	264.00
28	12.51	118.00	31	11.97	187.00	24	10.58	289.00	24	10.58	278.00
32	14.44	130.00	28	12.51	203.00	31	11.97	294.00	31	11.97	293.00
39	15.17	132.00	35	13.57	210.00	28	12.51	326.00	28	12.51	314.00
36	16.36	141.00	32	14.44	232.00	32	14.44	362.00	32	14.44	349.00
43	16.77	150.00	36	16.36	261.00	36	16.36	396.00	36	16.36	382.00
40	18.29	165.00	40	18.29	288.00	40	18.29	429.00	40	18.29	413.00
44	20.22	187.00	44	20.22	314.00	44	20.22	460.00	44	20.22	443.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX
1	0.86	10.00	1	2.10	20.00	1	2.10	30.00
2	1.09	14.00	2	2.76	29.00	2	2.76	43.00
3	1.32	19.00	3	3.43	38.00	3	3.43	57.00
4	1.56	24.00	4	4.09	47.00	4	4.09	70.00
7	2.49	28.00	7	6.01	56.00	7	6.01	84.00
8	2.93	35.00	8	7.17	70.00	8	7.17	105.00
11	3.66	38.00	11	8.60	75.00	11	8.60	111.00
12	4.30	47.00	12	10.24	93.00	12	10.24	139.00
16	5.67	58.00	22	13.24	94.00	22	13.24	143.00
20	7.04	68.00	16	13.32	114.00	16	13.32	171.00
27	9.32	71.00	23	16.35	125.00	23	16.35	190.00
24	8.41	78.00	20	16.40	135.00	20	16.40	202.00
28	9.79	88.00	27	18.94	142.00	27	18.94	218.00
42	10.71	90.00	24	19.47	155.00	24	19.47	236.00
32	11.15	97.00	31	21.52	165.00	31	21.52	244.00
39	11.82	102.00	28	22.55	177.00	28	22.55	270.00
35	12.52	105.00	35	24.11	187.00	35	24.11	303.00
43	12.99	119.00	32	25.62	205.00	32	25.62	335.00
40	13.90	128.00	39	26.69	208.00	39	26.69	364.00
44	15.27	149.00	36	28.70	233.00	40	31.78	393.00
			40	31.78	259.00	44	34.85	443.00
			44	34.85	283.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
J	0.	24.00	1	2.11	34.00	1	0.42	44.00	1	2.10	52.00
21	0.01	79.00	2	2.74	49.00	2	0.60	64.00	2	2.76	76.00
37	0.02	117.00	5	3.35	51.00	5	0.64	65.00	3	3.43	98.00
41	0.03	128.00	3	3.37	65.00	3	0.78	84.00	4	4.09	112.00
30	0.15	141.00	4	3.99	91.00	7	0.86	86.00	6	4.85	113.00
34	0.17	153.00	7	5.35	97.00	6	0.92	95.00	7	6.01	146.00
38	0.19	170.00	9	6.35	121.00	4	0.97	103.00	10	6.95	149.00
42	0.20	186.00	11	7.33	128.00	13	1.08	106.00	8	7.17	167.00
31	0.28	188.00	12	8.70	157.00	7	1.20	125.00	11	8.60	193.00
35	0.31	204.00	22	10.80	152.00	8	1.48	154.00	12	10.24	221.00
39	0.35	226.00	16	11.05	197.00	11	1.62	165.00	15	11.18	237.00
43	0.39	247.00	23	13.28	215.00	18	1.88	182.00	22	13.24	245.00
36	0.46	254.00	20	13.41	233.00	12	2.00	203.00	16	13.32	272.00
40	0.51	282.00	27	15.27	241.00	15	2.04	204.00	19	13.77	279.00
44	0.56	308.00	24	15.76	267.00	22	2.20	209.00	23	15.35	317.00
			31	17.25	270.00	19	2.46	241.00	20	16.40	320.00
			28	18.12	301.00	16	2.52	251.00	27	18.94	353.00
			32	20.47	336.00	30	2.84	258.00	24	19.47	364.00
			36	22.83	359.00	23	2.88	276.00	31	21.52	387.00
			40	25.18	401.00	20	3.04	297.00	28	22.55	404.00
			44	27.54	430.00	27	3.30	310.00	35	24.11	420.00
						24	3.56	340.00	32	25.62	446.00
						31	3.72	342.00	39	26.69	451.00
						28	4.08	381.00	36	28.70	484.00
						37	4.56	400.00	40	31.78	521.00
						32	4.60	420.00	44	34.85	555.00
						43	4.98	427.00			
						34	5.12	458.00			
						40	5.64	493.00			
						44	6.16	526.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )	
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S
1	0.07	10.00	42	132.85	173.00	1	0.94
2	0.11	14.00	43	25.85	228.00	2	1.29
5	0.12	15.00	44	11.17	283.00	5	1.44
3	0.15	19.00				3	1.63
9	0.17	20.00				9	1.93
6	0.18	21.00	13		71.00	6	1.96
4	0.19	24.00	7		84.00	13	2.42
7	0.26	28.00	8		105.00	7	2.47
10	0.26	28.00	11		111.00	10	2.63
21	0.32	33.00	25		114.00	8	3.01
8	0.34	35.00	18		123.00	14	3.31
14	0.34	35.00	12		139.00	11	3.34
11	0.37	38.00	22		143.00	18	3.98
18	0.42	41.00	19		163.00	12	4.05
33	0.48	44.00	16		171.00	15	4.20
12	0.49	47.00	23		190.00	22	4.66
37	0.53	53.00	20		202.00	19	5.06
41	0.58	62.00	34		204.00	23	5.91
23	0.71	63.00	27		218.00	20	6.13
24	0.74	64.00	38		223.00	34	6.68
20	0.80	68.00	24		236.00	27	6.77
38	0.82	77.00	31		244.00	24	7.17
42	0.90	90.00	28		270.00	31	7.63
39	1.16	102.00	39		294.00	28	8.21
43	1.28	119.00	32		303.00	35	8.48
40	1.56	128.00	43		316.00	32	9.25
44	1.71	147.00	35		335.00	39	9.34
			40		364.00	43	10.20
			44		393.00	36	10.29
						40	11.33
						44	12.37

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.01	13.00	1	0.09	23.00	1	0.33	37.00	1	0.73	52.00
3	0.02	26.00	2	0.13	33.00	2	0.45	53.00	2	0.98	76.00
4	0.03	32.00	3	0.18	44.00	3	0.58	71.00	5	1.18	78.00
17	0.05	38.00	4	0.22	54.00	4	0.70	87.00	3	1.24	98.00
21	0.06	44.00	7	0.38	65.00	7	1.11	105.00	4	1.50	112.00
25	0.08	49.00	8	0.48	81.00	8	1.35	130.00	6	1.58	113.00
29	0.09	54.00	11	0.58	95.00	11	1.64	139.00	7	2.00	146.00
33	0.10	58.00	18	0.73	94.00	12	2.00	171.00	10	2.19	149.00
37	0.11	59.00	12	0.74	107.00	15	2.18	172.00	8	2.43	167.00
41	0.12	78.00	33	0.86	110.00	22	2.52	177.00	11	2.77	193.00
34	0.25	85.00	37	0.95	122.00	16	2.65	212.00	12	3.36	221.00
38	0.28	100.00	19	0.99	125.00	23	3.24	234.00	15	3.53	239.00
42	0.31	113.00	16	1.00	132.00	20	3.31	250.00	22	4.00	245.00
28	0.43	118.00	41	1.05	133.00	27	3.77	264.00	19	4.30	279.00
39	0.45	132.00	30	1.18	141.00	24	3.96	289.00	23	5.07	317.00
43	0.50	150.00	23	1.20	144.00	31	4.30	294.00	20	5.23	320.00
40	0.62	165.00	20	1.25	156.00	28	4.61	326.00	34	5.81	325.00
44	0.69	187.00	34	1.33	159.00	32	5.26	362.00	27	5.83	353.00
			27	1.40	163.00	43	5.90	373.00	24	6.16	364.00
			38	1.48	176.00	36	5.91	396.00	31	6.60	387.00
			24	1.51	179.00	40	6.56	429.00	28	7.10	406.00
			31	1.60	187.00	44	7.21	460.00	35	7.36	420.00
			42	1.63	191.00				32	8.03	446.00
			28	1.77	203.00				39	8.13	451.00
			35	1.81	210.00				43	8.90	480.00
			39	2.01	232.00				36	8.97	484.00
			43	2.22	253.00				40	9.90	521.00
			36	2.29	261.00				44	10.83	555.00
			40	2.54	299.00						
			44	2.80	314.00						

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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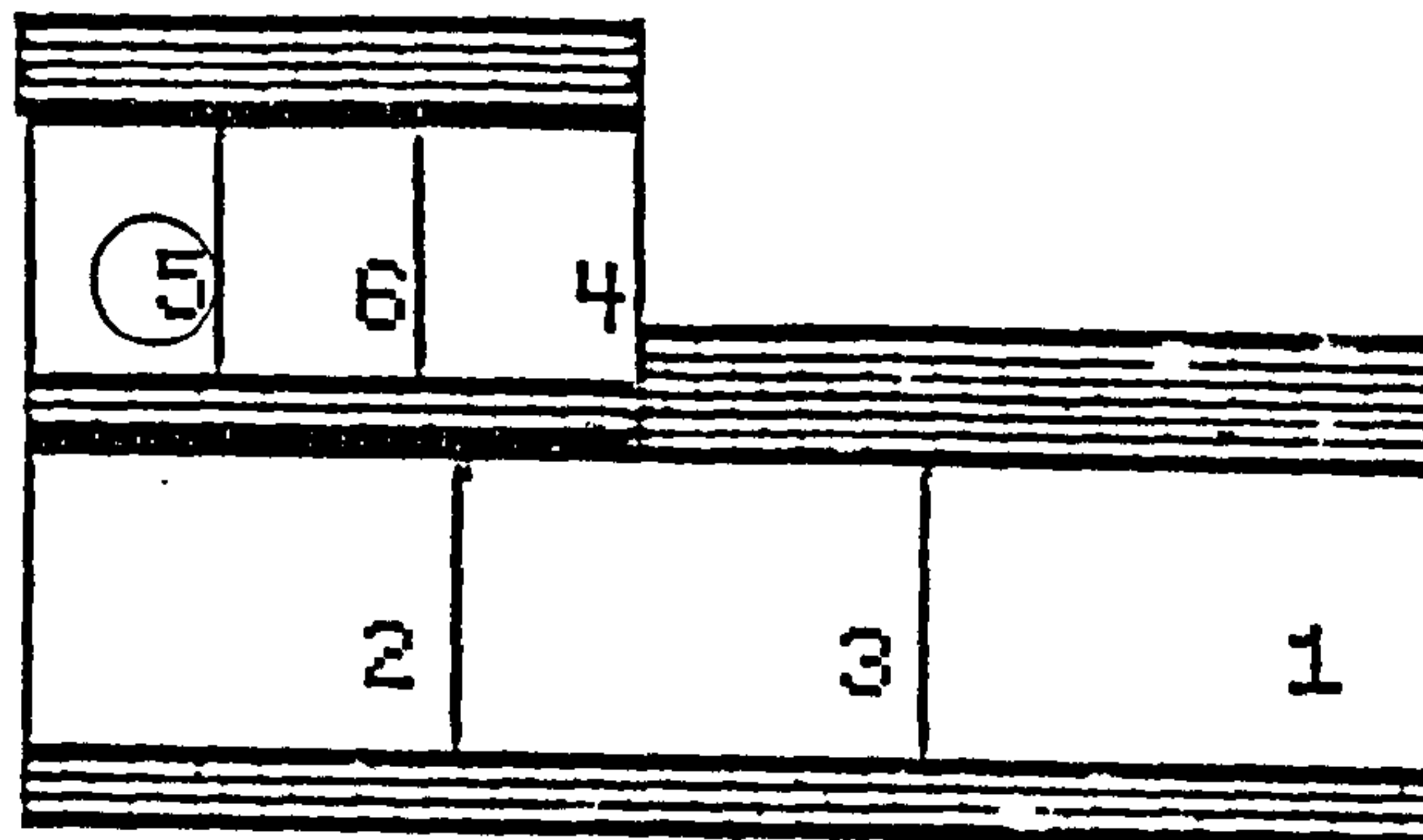


O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	24.00	1	0.03	22.00	1	0.19	31.00	1	0.33	37.00
7	0.03	29.00	2	0.04	32.00	2	0.25	45.00	2	0.45	54.00
8	0.04	35.00	3	0.05	42.00	3	0.31	60.00	3	0.58	70.00
11	0.08	39.00	4	0.06	53.00	4	0.37	74.00	4	0.70	83.00
12	0.11	40.00	7	0.25	63.00	7	0.93	89.00	7	1.11	105.00
37	0.14	55.00	8	0.31	79.00	8	1.12	110.00	10	1.28	106.00
41	0.15	64.00	11	0.48	84.00	11	1.58	118.00	8	1.35	124.00
23	0.25	65.00	12	0.59	104.00	12	1.91	146.00	11	1.64	138.00
20	0.26	70.00	22	0.87	105.00	16	2.70	180.00	12	2.00	164.00
38	0.30	79.00	16	0.88	128.00	20	3.48	213.00	15	2.18	170.00
24	0.33	80.00	41	1.14	130.00	27	4.18	228.00	22	2.52	179.00
42	0.34	92.00	23	1.16	140.00	24	4.27	247.00	16	2.65	202.00
39	0.46	105.00	20	1.17	152.00	31	4.83	255.00	25	2.94	203.00
43	0.52	122.00	34	1.38	155.00	28	5.06	282.00	23	3.24	234.00
40	0.63	130.00	27	1.39	159.00	32	5.84	315.00	20	3.31	240.00
44	0.70	151.00	24	1.46	174.00	36	6.63	347.00	34	3.76	246.00
			31	1.62	182.00	40	7.42	377.00	27	3.77	264.00
			42	1.73	188.00	44	8.21	406.00	24	3.96	278.00
			28	1.74	198.00				31	4.30	293.00
			35	1.85	205.00				28	4.61	314.00
			32	2.03	227.00				35	4.84	321.00
			43	2.31	247.00				32	5.26	349.00
			36	2.32	255.00				43	5.90	372.00
			40	2.60	282.00				36	5.91	382.00
			44	2.89	307.00				40	6.56	413.00
									44	7.21	447.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

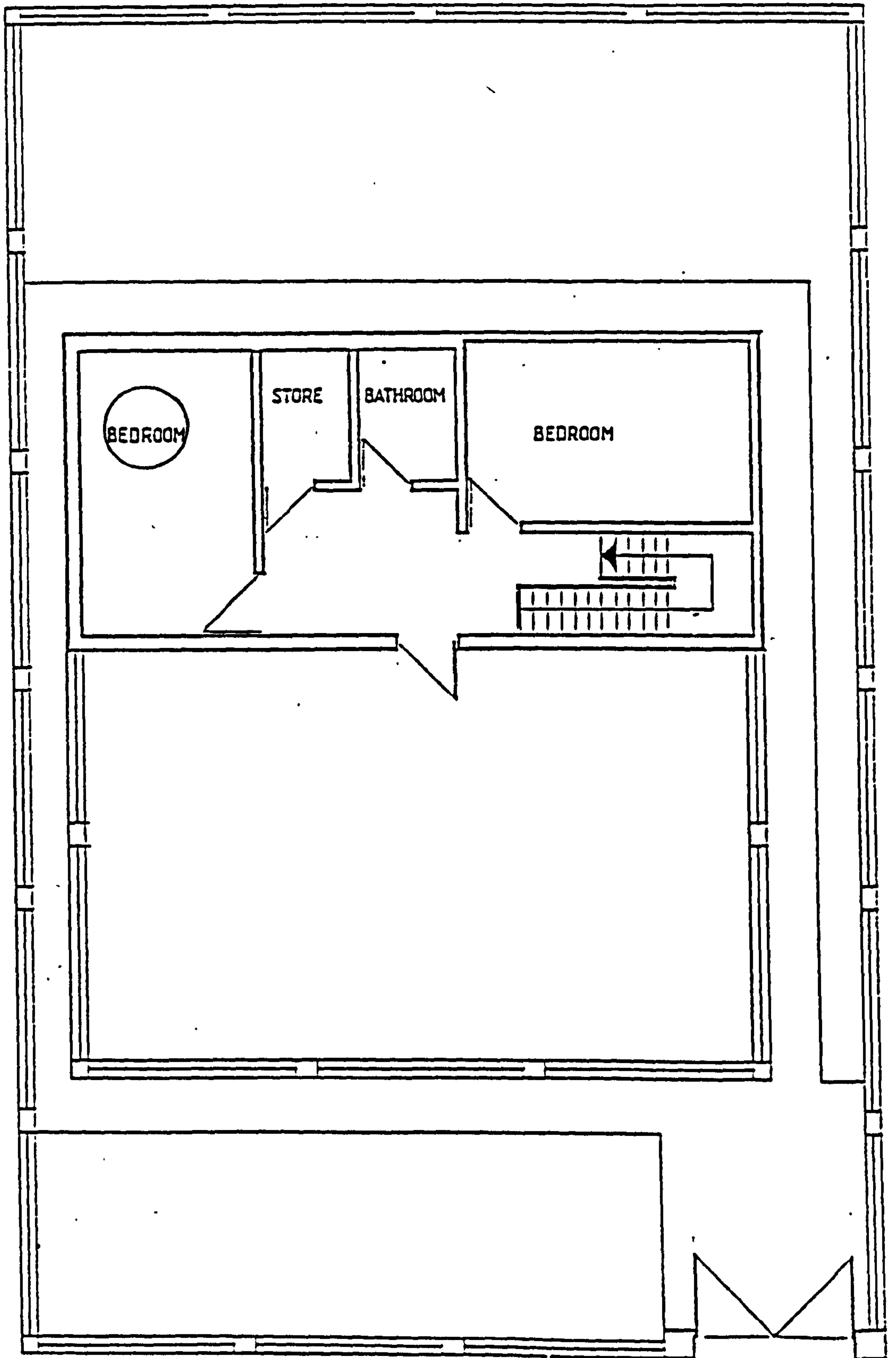


Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1346
22.5	1347
45	1348
67.5	1349
90	1350
112.5	1351
135	1352
157.5	1353
180	1354
202.5	1355
225	1356
247.5	1357
270	1358
292.5	1359
315	1360
337.5	1361



0.0 5m

FIRST FLOOR PLAN

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
12	0.	44.00	4	0.	42.00	4	0.	62.00	4	0.	75.00
16	0.13	54.00	7	0.19	50.00	7	0.38	74.00	7	0.38	95.00
20	0.28	64.00	8	0.22	53.00	8	0.44	92.00	8	0.44	111.00
24	0.44	73.00	11	0.70	66.00	11	1.41	98.00	11	1.41	125.00
28	0.59	82.00	12	0.84	83.00	12	1.67	121.00	12	1.67	147.00
32	0.74	90.00	16	1.71	102.00	16	3.16	150.00	15	2.65	154.00
36	0.90	98.00	20	2.63	121.00	20	4.69	177.00	16	3.16	192.00
40	0.96	104.00	24	3.55	139.00	24	6.23	204.00	19	3.93	193.00
44	1.05	109.00	28	4.47	155.00	28	7.76	235.00	20	4.69	216.00
	1.21	129.00	35	5.25	164.00	35	9.06	237.00	24	6.23	250.00
			32	5.39	178.00	32	9.29	265.00	28	7.76	283.00
			39	6.01	183.00	36	10.83	293.00	35	9.06	292.00
			36	6.31	203.00	40	12.37	321.00	32	9.29	315.00
			40	7.24	227.00	44	13.91	347.00	39	10.34	317.00
			44	8.16	251.00				36	10.83	346.00
									40	12.37	375.00
									44	13.91	403.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.16	10.00	1	0.19	22.00	1	0.85	31.00	1	0.19	40.00
2	0.21	15.00	2	0.25	32.00	2	1.09	45.00	2	0.25	58.00
3	0.26	20.00	3	0.31	42.00	3	1.33	60.00	3	0.31	75.00
4	0.31	24.00	4	0.37	53.00	4	1.57	74.00	4	0.37	87.00
7	0.71	29.00	7	0.93	53.00	7	3.05	89.00	7	0.93	112.00
8	0.85	36.00	8	1.12	79.00	8	3.61	110.00	8	1.12	130.00
11	1.19	39.00	11	1.58	94.00	11	4.79	118.00	11	1.58	148.00
12	1.42	48.00	12	1.91	104.00	12	5.68	146.00	12	1.91	172.00
16	2.00	59.00	16	2.70	129.00	16	7.76	180.00	15	2.23	182.00
20	2.57	70.00	20	3.48	152.00	20	9.83	213.00	16	2.70	213.00
27	3.08	72.00	27	4.18	157.00	27	11.76	226.00	19	2.88	215.00
24	3.15	80.00	24	4.27	174.00	24	11.90	246.00	20	3.48	252.00
28	3.72	90.00	31	4.83	178.00	31	13.51	253.00	27	4.18	279.00
32	4.29	100.00	28	5.06	196.00	28	13.98	280.00	24	4.27	290.00
36	4.87	108.00	35	5.48	201.00	32	16.05	313.00	31	4.83	308.00
43	4.98	113.00	32	5.84	221.00	36	18.12	345.00	28	5.06	327.00
40	5.44	120.00	37	6.12	222.00	40	20.20	375.00	35	5.48	337.00
44	6.01	141.00	36	6.63	249.00	44	22.27	404.00	32	5.84	362.00
			40	7.42	276.00				39	6.12	354.00
			44	8.21	302.00				36	6.63	396.00
									40	7.42	428.00
									44	8.21	458.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

〈 INTER-HOUSE DISTANCE= 1M 〉		〈 INTER-HOUSE DISTANCE= 2M 〉		〈 INTER-HOUSE DISTANCE= 3M 〉		〈 INTER-HOUSE DISTANCE= 4M 〉		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	1.21	13.00	1	1.21	23.00	1	2.67	37.00
2	1.57	19.00	2	1.57	33.00	2	3.43	53.00
3	1.94	26.00	3	1.94	44.00	3	4.18	71.00
4	2.30	32.00	4	2.30	54.00	4	4.93	87.00
7	3.44	38.00	7	3.44	55.00	7	7.13	105.00
8	4.09	47.00	8	4.09	81.00	8	8.42	130.00
11	4.94	50.00	11	4.94	85.00	11	10.07	137.00
12	5.89	63.00	12	5.89	107.00	12	11.91	171.00
22	7.63	64.00	22	7.63	108.00	15	13.02	172.00
16	7.68	77.00	16	7.68	132.00	16	15.39	212.00
23	9.45	84.00	23	9.45	144.00	20	18.88	250.00
20	9.47	91.00	20	9.47	156.00	27	21.86	264.00
27	10.95	95.00	27	10.95	161.00	24	22.37	288.00
24	11.27	105.00	24	11.27	179.00	31	24.81	293.00
28	13.06	118.00	31	12.46	192.00	28	25.86	325.00
32	14.85	130.00	28	13.06	201.00	32	29.35	361.00
36	16.65	141.00	35	13.96	206.00	36	32.83	395.00
42	16.96	142.00	32	14.85	227.00	40	36.32	428.00
40	18.44	155.00	37	15.46	228.00	44	39.81	459.00
44	20.23	177.00	36	16.65	256.00			
			40	18.44	283.00			
			44	20.23	309.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.28	10.00	1	0.73	20.00	1	1.60	30.00	1	0.73	52.00
2	0.39	14.00	2	0.98	29.00	2	2.10	43.00	2	0.98	76.00
5	0.47	15.00	3	1.24	38.00	5	2.52	44.00	5	1.18	78.00
3	0.51	19.00	4	1.50	47.00	3	2.60	57.00	3	1.24	98.00
4	0.63	24.00	7	2.00	56.00	4	3.10	70.00	4	1.50	112.00
7	0.86	28.00	8	2.43	70.00	7	4.11	84.00	6	1.58	113.00
8	1.07	35.00	11	2.77	75.00	8	4.91	105.00	7	2.00	146.00
11	1.20	38.00	12	3.36	93.00	11	5.62	111.00	10	2.19	149.00
18	1.45	41.00	22	4.00	94.00	12	6.73	139.00	8	2.43	167.00
12	1.50	47.00	16	4.30	114.00	22	8.17	141.00	11	2.77	193.00
19	1.90	55.00	23	5.07	125.00	16	8.54	171.00	12	3.36	221.00
16	1.93	58.00	20	5.23	135.00	23	10.15	187.00	15	3.53	239.00
23	2.24	63.00	34	5.81	137.00	20	10.35	202.00	22	4.00	246.00
20	2.37	68.00	27	5.83	140.00	27	11.66	215.00	19	4.30	281.00
27	2.59	71.00	24	6.16	155.00	24	12.16	233.00	23	5.07	319.00
24	2.80	78.00	31	6.60	160.00	31	13.17	242.00	20	5.23	322.00
42	3.03	83.00	42	7.01	169.00	28	13.97	268.00	34	5.81	326.00
28	3.24	88.00	28	7.10	174.00	32	15.79	301.00	27	5.83	355.00
39	3.63	94.00	35	7.36	182.00	36	17.60	332.00	24	6.16	365.00
32	3.67	97.00	32	8.03	199.00	40	19.41	362.00	31	6.60	389.00
43	3.97	111.00	39	9.13	203.00	44	21.22	390.00	28	7.10	408.00
40	4.54	117.00	43	8.90	223.00				35	7.36	422.00
44	4.97	138.00	36	8.97	227.00				32	8.03	448.00
			40	9.90	253.00				39	8.13	453.00
			44	10.83	277.00				43	8.90	482.00
									36	8.97	486.00
									40	9.90	523.00
									44	10.83	557.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

















O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
5	0.	15.00	1	49.47	22.00	1	133.89	31.00	1	8.36	40.00	1	8.36	40.00
9	0.02	20.00	2	16.93	32.00	5	49.42	47.00	5	6.27	59.00	5	6.27	59.00
6	0.03	22.00	5	16.91	33.00	3	30.46	60.00	9	4.92	78.00	9	4.92	78.00
7	0.06	29.00	3	11.36	42.00	9	30.31	61.00	13	4.89	96.00	13	4.89	96.00
8	0.12	36.00	9	10.10	43.00	6	24.20	67.00	17	4.59	114.00	17	4.59	114.00
11	0.14	39.00	13	8.36	54.00	13	24.14	76.00	21	4.28	132.00	21	4.28	132.00
12	0.24	48.00	17	7.17	63.00	17	20.26	89.00	25	4.11	148.00	25	4.11	148.00
22	0.38	49.00	21	6.34	73.00	21	17.67	103.00	29	3.99	165.00	29	3.99	165.00
16	0.40	59.00	25	5.87	81.00	25	16.20	118.00	33	3.91	180.00	33	3.91	180.00
23	0.59	65.00	29	5.57	92.00	29	15.25	133.00	37	3.86	194.00	37	3.86	194.00
20	0.61	70.00	33	5.36	105.00	33	14.59	147.00	41	3.81	208.00	41	3.81	208.00
27	0.78	72.00	37	5.20	116.00	37	14.10	160.00	26	2.68	214.00	26	2.68	214.00
24	0.87	80.00	41	5.08	127.00	41	13.72	172.00	30	2.63	237.00	30	2.63	237.00
42	1.01	85.00	30	3.58	134.00	30	9.76	192.00	34	2.59	259.00	34	2.59	259.00
28	1.13	90.00	34	3.47	152.00	34	9.40	211.00	38	2.57	280.00	38	2.57	280.00
39	1.34	96.00	38	3.38	168.00	38	9.12	230.00	42	2.55	299.00	42	2.55	299.00
32	1.38	100.00	42	3.32	104.00	42	8.91	248.00	31	2.15	308.00	31	2.15	308.00
43	1.53	113.00	35	2.80	201.00	31	7.84	253.00	35	2.12	337.00	35	2.12	337.00
40	1.90	120.00	39	2.74	222.00	35	7.56	279.00	39	2.11	364.00	39	2.11	364.00
44	2.16	141.00	43	2.69	243.00	39	7.36	304.00	43	2.09	389.00	43	2.09	389.00
			36	2.40	249.00	43	7.20	327.00	36	1.84	396.00	36	1.84	396.00
			40	2.35	276.00	36	6.46	345.00	40	1.82	428.00	40	1.82	428.00
			44	2.31	302.00	40	6.29	375.00	44	1.81	458.00	44	1.81	458.00
			44			44	6.17	404.00						



O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
1	0.02	10.00	1	1.24	20.00	1	2.10	30.00	1	1.24	52.00
5	0.03	15.00	2	1.67	29.00	2	2.76	43.00	2	1.67	76.00
9	0.04	20.00	3	2.10	38.00	3	3.43	57.00	5	2.09	78.00
13	0.06	24.00	4	2.53	47.00	4	4.09	70.00	3	2.10	98.00
17	0.07	28.00	7	3.52	56.00	7	6.01	84.00	4	2.53	112.00
21	0.08	33.00	8	4.24	70.00	8	7.17	105.00	6	2.80	113.00
25	0.09	37.00	11	4.94	75.00	11	8.60	111.00	7	3.52	146.00
29	0.10	40.00	12	5.94	93.00	12	10.24	139.00	10	3.94	149.00
33	0.11	44.00	22	7.33	94.00	22	13.24	141.00	8	4.24	167.00
37	0.13	48.00	16	7.65	114.00	16	13.32	171.00	11	4.94	193.00
41	0.14	58.00	23	9.20	125.00	23	16.35	187.00	12	5.94	221.00
34	0.29	64.00	20	9.35	135.00	20	16.40	202.00	15	6.36	239.00
38	0.32	70.00	27	10.61	140.00	27	18.94	233.00	22	7.33	246.00
42	0.35	83.00	24	11.06	155.00	24	19.47	242.00	16	7.65	272.00
35	0.47	84.00	31	12.03	160.00	31	21.52	268.00	19	7.78	281.00
39	0.51	94.00	28	12.76	174.00	28	22.55	301.00	23	9.20	319.00
43	0.56	111.00	35	13.45	182.00	35	25.62	332.00	20	9.35	322.00
40	0.71	117.00	32	14.47	199.00	32	28.70	362.00	27	10.61	355.00
44	0.77	138.00	39	14.87	203.00	39	31.78	390.00	24	11.06	365.00
			36	16.17	227.00	44	34.85		31	12.03	389.00
			40	17.88	253.00				28	12.76	408.00
			44	19.58	277.00				35	13.45	423.00
									32	14.47	448.00
									39	14.87	453.00
									36	16.17	486.00
									40	17.88	523.00
									44	19.58	557.00



O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
1	0.	24.00	1	0.12	34.00	1	0.42	44.00	1	0.94	53.00	1	0.94	53.00
21	0.01	79.00	5	0.19	51.00	2	0.60	64.00	2	1.29	77.00	2	1.29	77.00
37	0.02	114.00	9	0.26	67.00	5	0.64	65.00	5	1.44	79.00	5	1.44	79.00
41	0.03	125.00	6	0.32	73.00	3	0.78	84.00	3	1.63	99.00	3	1.63	99.00
26	0.13	128.00	13	0.33	82.00	9	0.86	86.00	9	1.93	104.00	9	1.93	104.00
30	0.15	141.00	17	0.40	97.00	6	0.92	95.00	6	1.96	114.00	6	1.96	114.00
34	0.17	153.00	21	0.47	111.00	4	0.97	103.00	13	2.42	128.00	13	2.42	128.00
38	0.19	166.00	25	0.54	125.00	13	1.08	106.00	7	2.49	148.00	7	2.49	148.00
42	0.20	182.00	29	0.61	139.00	7	1.20	125.00	10	2.63	151.00	10	2.63	151.00
31	0.28	188.00	18	0.67	141.00	8	1.48	154.00	8	3.01	169.00	8	3.01	169.00
35	0.31	204.00	33	0.68	153.00	11	1.62	165.00	14	3.31	186.00	14	3.31	186.00
39	0.35	221.00	37	0.75	166.00	18	1.88	182.00	11	3.34	195.00	11	3.34	195.00
43	0.38	242.00	41	0.82	179.00	12	2.00	203.00	18	3.98	220.00	18	3.98	220.00
36	0.46	254.00	26	0.91	181.00	15	2.04	204.00	12	4.05	223.00	12	4.05	223.00
40	0.51	276.00	19	0.94	187.00	22	2.20	209.00	15	4.20	241.00	15	4.20	241.00
44	0.56	302.00	16	1.00	197.00	19	2.46	241.00	22	4.66	249.00	22	4.66	249.00
			30	1.02	202.00	16	2.52	251.00	19	5.06	284.00	19	5.06	284.00
			23	1.11	215.00	30	2.84	258.00	23	5.91	322.00	23	5.91	322.00
			34	1.14	222.00	23	2.88	277.00	20	6.13	325.00	20	6.13	325.00
			20	1.21	233.00	20	3.04	297.00	34	6.68	329.00	34	6.68	329.00
			38	1.26	241.00	27	3.30	310.00	27	6.77	358.00	27	6.77	358.00
			42	1.37	259.00	24	3.56	341.00	24	7.17	370.00	24	7.17	370.00
			24	1.42	267.00	31	3.72	342.00	31	7.63	393.00	31	7.63	393.00
			35	1.60	294.00	28	4.08	382.00	28	8.21	412.00	28	8.21	412.00
			28	1.63	300.00	39	4.56	401.00	35	8.48	426.00	35	8.48	426.00
			39	1.76	320.00	32	4.60	421.00	32	9.25	453.00	32	9.25	453.00
			32	1.85	333.00	43	4.98	428.00	39	9.34	457.00	39	9.34	457.00
			43	1.93	344.00	36	5.12	458.00	43	10.20	486.00	43	10.20	486.00
			36	2.06	367.00	40	5.64	494.00	36	10.29	491.00	36	10.29	491.00
			40	2.27	398.00	44	6.16	527.00	40	11.33	528.00	40	11.33	528.00
			44	2.48	428.00	44	6.16	527.00	44	12.37	562.00	44	12.37	562.00



O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT SY	DAYLIGHT LUX
42	132.85	83.00	41	1.68	117.00	1	0.28	30.00	1	0.73	52.00
43	25.85	111.00	42	1.48	169.00	2	0.39	43.00	2	0.98	76.00
44	11.17	138.00	43	1.32	223.00	5	0.47	44.00	5	1.18	78.00
			44	1.19	277.00	3	0.51	57.00	3	1.24	98.00
						4	0.63	70.00	4	1.50	112.00
						13	0.84	71.00	6	1.58	113.00
						7	0.86	84.00	7	2.00	146.00
						8	1.07	105.00	10	2.19	149.00
						11	1.20	111.00	8	2.43	167.00
						25	1.40	112.00	11	2.77	193.00
						18	1.45	123.00	12	3.36	221.00
						12	1.50	139.00	15	3.53	239.00
						22	1.71	141.00	22	4.00	246.00
						19	1.90	163.00	19	4.30	281.00
						16	1.93	171.00	23	5.07	319.00
						23	2.24	187.00	20	5.23	322.00
						20	2.37	202.00	34	5.81	326.00
						27	2.59	215.00	27	5.83	355.00
						38	2.76	221.00	24	6.16	365.00
						24	2.80	233.00	31	6.60	389.00
						31	2.93	242.00	28	7.10	408.00
						28	3.24	268.00	35	7.36	422.00
						39	3.63	291.00	32	8.03	448.00
						32	3.67	301.00	39	8.13	453.00
						43	3.97	314.00	43	8.90	482.00
						36	4.10	332.00	36	8.97	486.00
						40	4.54	362.00	40	9.90	523.00
						44	4.97	390.00	44	10.83	557.00

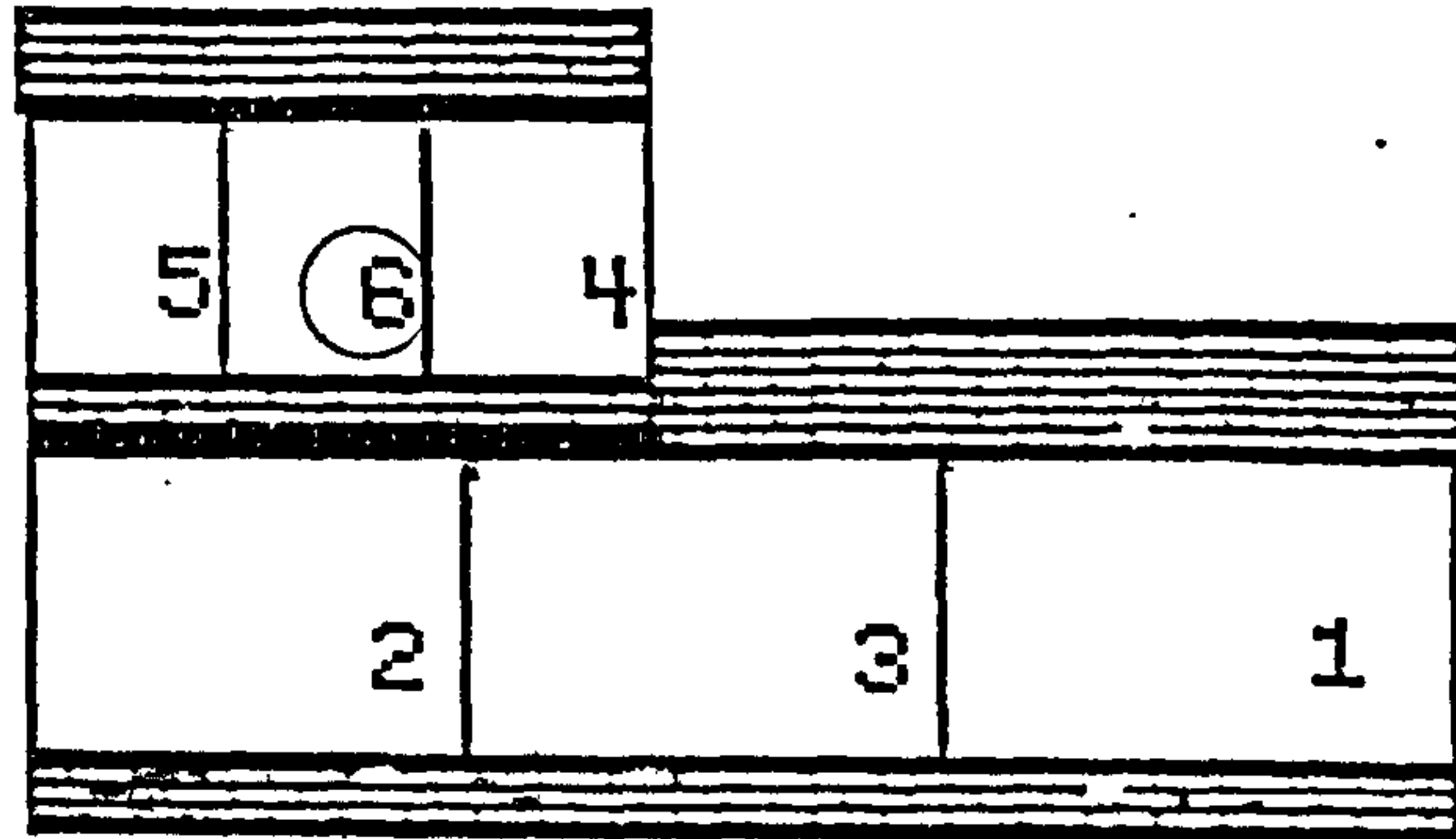
ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT 'Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	3.99	74.00	1	0.09	23.00	1	0.33	37.00	1	0.33	37.00
42	2.11	107.00	2	0.13	33.00	2	0.45	53.00	2	0.45	54.00
43	1.65	142.00	3	0.18	44.00	3	0.58	71.00	3	0.58	70.00
44	1.44	177.00	4	0.22	54.00	4	0.70	87.00	4	0.70	83.00
			7	0.38	65.00	7	1.11	105.00	7	1.11	105.00
			8	0.48	81.00	8	1.35	130.00	10	1.28	106.00
			11	0.58	86.00	11	1.64	139.00	8	1.35	124.00
			18	0.73	94.00	12	2.00	171.00	11	1.64	138.00
			12	0.74	107.00	15	2.18	172.00	12	2.00	164.00
			22	0.88	108.00	22	2.52	176.00	15	2.18	170.00
			37	0.95	117.00	16	2.65	212.00	22	2.52	179.00
			19	0.99	125.00	23	3.24	233.00	16	2.65	202.00
			16	1.00	132.00	20	3.31	250.00	23	3.24	233.00
			30	1.18	138.00	27	3.77	264.00	20	3.31	240.00
			23	1.20	144.00	24	3.96	288.00	34	3.76	246.00
			20	1.25	154.00	31	4.30	293.00	27	3.77	264.00
			27	1.40	161.00	28	4.61	325.00	24	3.96	277.00
			38	1.48	172.00	32	5.26	361.00	31	4.30	293.00
			24	1.51	179.00	43	5.90	372.00	28	4.61	313.00
			31	1.60	182.00	36	5.91	395.00	35	4.84	320.00
			42	1.63	188.00	40	6.56	428.00	32	5.26	348.00
			22	1.77	201.00	44	7.21	459.00	43	5.90	371.00
			35	1.81	206.00				36	5.91	381.00
			39	2.01	228.00				40	6.56	413.00
			43	2.22	248.00				44	7.21	443.00
			36	2.29	256.00						
			40	2.54	283.00						
			44	2.80	309.00						

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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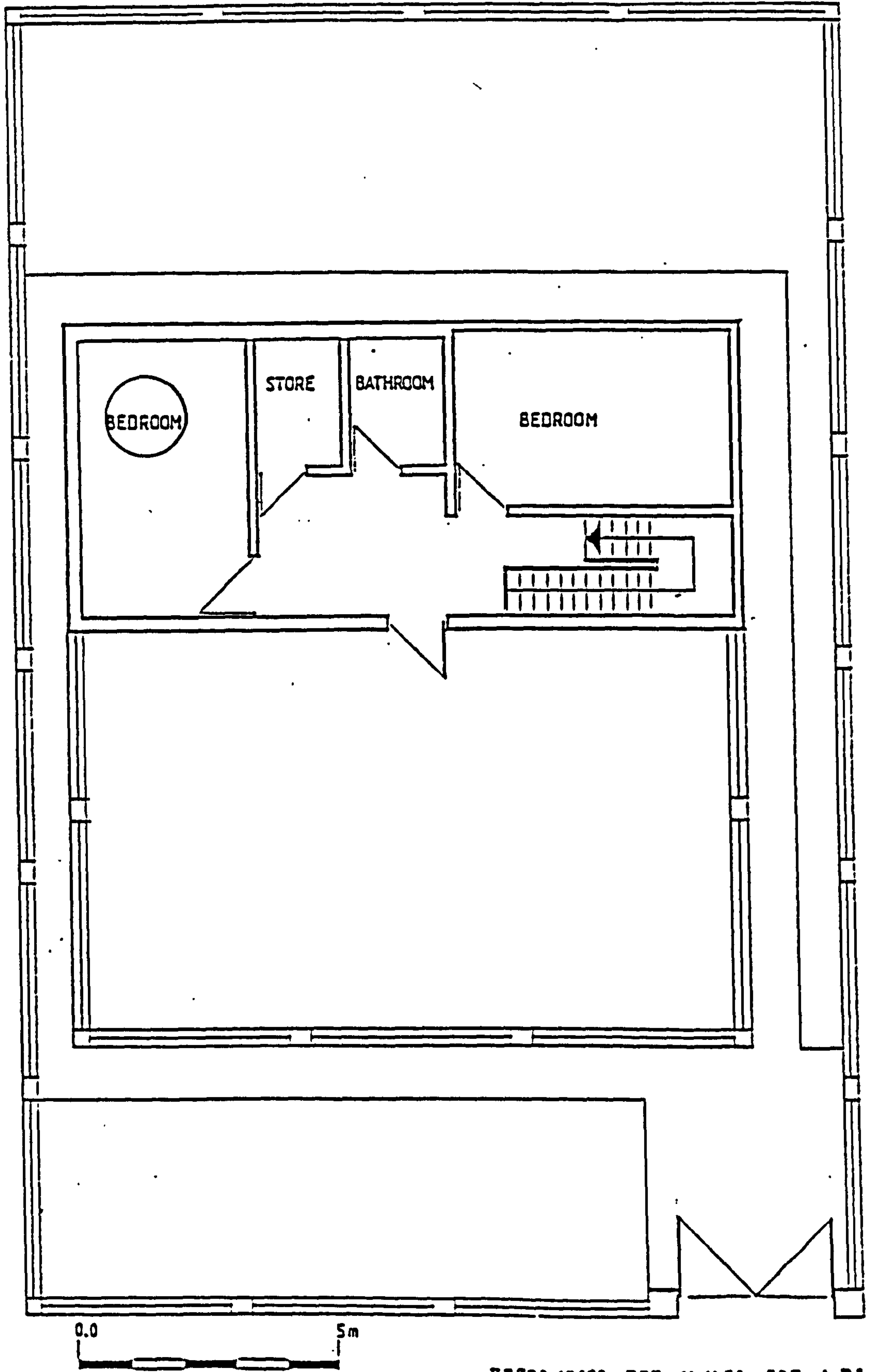
Key diagram showing the location of window data .

Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1364
22.5	1365
45	1366
67.5	1367
90	1368
112.5	1369
135	1370
157.5	1371
180	1372
202.5	1373
225	1374
247.5	1375
270	1376
292.5	1377
315	1378
337.5	1379





FIRST FLOOR PLAN

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1 M )		(INTER-HOUSE DISTANCE= 2 M )		(INTER-HOUSE DISTANCE= 3 M )		(INTER-HOUSE DISTANCE= 4 M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
12	0.	44.00	4	0.	42.00	4	0.	52.00	4	0.	75.00
16	0.12	54.00	7	0.19	50.00	7	0.38	74.00	7	0.38	95.00
20	0.28	54.00	8	0.22	53.00	8	0.44	72.00	9	0.44	111.00
24	0.44	73.00	11	0.70	66.00	11	1.41	98.00	11	1.41	125.00
28	0.59	82.00	12	0.84	83.00	12	1.57	121.00	12	1.57	147.00
32	0.74	80.00	16	1.71	102.00	16	3.16	150.00	15	2.65	154.00
36	0.90	88.00	20	2.53	121.00	20	4.69	177.00	15	3.15	182.00
40	1.05	106.00	24	3.55	139.00	24	6.23	203.00	19	3.93	183.00
44	1.21	112.00	28	4.47	155.00	28	7.75	228.00	20	4.59	216.00
			32	5.39	171.00	32	9.29	252.00	24	6.23	248.00
			36	6.31	185.00	36	10.83	274.00	28	7.75	278.00
			40	7.24	200.00	40	12.37	295.00	35	9.06	289.00
			44	9.16	213.00	44	13.91	322.00	32	9.29	307.00
									36	10.83	306.00
									40	12.37	355.00
									44	13.91	392.00

ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.03	10.00	1	0.03	32.00	1	0.85	31.00	1	0.85	46.00
2	0.04	15.00	2	0.04	32.00	2	1.09	45.00	2	1.09	58.00
3	0.05	20.00	3	0.05	42.00	3	1.33	50.00	3	1.33	75.00
4	0.06	24.00	4	0.06	53.00	4	1.57	74.00	4	1.57	87.00
7	0.25	39.00	7	0.25	53.00	7	3.05	89.00	7	3.05	112.00
8	0.31	36.00	8	0.31	79.00	8	3.61	110.00	8	3.61	130.00
11	0.48	39.00	11	0.48	84.00	11	4.79	118.00	11	4.79	148.00
12	0.59	48.00	12	0.59	104.00	12	5.68	146.00	12	5.68	172.00
22	0.87	48.00	22	0.87	105.00	16	7.76	180.00	15	5.53	192.00
16	0.88	59.00	16	0.88	128.00	20	9.02	213.00	16	7.76	213.00
23	1.15	55.00	23	1.15	140.00	27	11.76	222.00	19	9.28	215.00
20	1.17	70.00	20	1.17	152.00	24	11.90	245.00	20	9.83	252.00
27	1.32	72.00	27	1.32	157.00	28	13.98	275.00	27	11.75	277.00
24	1.44	80.00	24	1.44	174.00	32	16.05	303.00	24	11.90	250.00
28	1.74	90.00	28	1.74	176.00	36	18.12	330.00	31	13.51	306.00
32	2.03	100.00	32	2.03	216.00	40	20.20	355.00	28	13.98	325.00
35	2.32	108.00	35	2.32	224.00	44	22.27	383.00	35	15.25	331.00
40	2.60	116.00	40	2.60	252.00				32	16.05	359.00
44	2.89	121.00	44	2.89	278.00				35	18.12	390.00
									40	20.20	420.00
									44	22.27	448.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OP I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	3.79	57.00	1	0.09	23.00	1	1.21	37.00	1	1.21	37.00
42	2.11	97.00	2	0.13	33.00	2	1.57	53.00	2	1.57	54.00
43	1.65	129.00	3	0.18	44.00	3	1.94	71.00	3	1.94	70.00
44	1.44	162.00	4	0.22	54.00	4	2.30	87.00	4	2.30	83.00
			7	0.38	65.00	7	3.44	105.00	7	3.44	105.00
			8	0.40	61.00	8	4.09	130.00	10	4.00	106.00
			11	0.58	85.00	11	4.94	137.00	8	4.09	121.00
			18	0.72	94.00	12	5.89	171.00	11	4.94	138.00
			12	0.74	107.00	15	6.44	172.00	12	5.89	154.00
			22	0.88	108.00	22	7.62	176.00	15	6.44	170.00
			17	0.97	125.00	15	7.58	212.00	22	7.53	177.00
			16	1.00	132.00	23	9.45	233.00	16	7.68	202.00
			30	1.18	134.00	20	9.47	250.00	23	9.45	231.00
			23	1.20	144.00	27	10.95	261.00	20	9.47	240.00
			20	1.25	155.00	24	11.27	288.00	27	10.95	259.00
			27	1.40	161.00	28	12.06	323.00	24	11.27	275.00
			24	1.51	177.00	32	14.85	356.00	31	12.46	286.00
			28	1.77	201.00	36	16.65	387.00	28	13.06	309.00
			39	2.01	207.00	40	18.44	416.00	35	13.95	313.00
			32	2.02	221.00	44	20.23	445.00	32	14.85	342.00
			36	2.29	241.00				36	15.65	373.00
			40	2.54	259.00				40	18.44	403.00
			44	2.80	275.00				44	20.23	431.00



O P I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M )		( INTER-HOUSE DISTANCE= 2M )		( INTER-HOUSE DISTANCE= 3M )		( INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	7.55	72.00	41	8.03	72.00	1	0.73	52.00
43	1.89	54.00	42	6.71	144.00	2	0.98	74.00
44	0.93	121.00	43	5.77	192.00	3	1.18	79.00
			44	5.11	238.00	4	1.24	98.00
						5	1.50	112.00
						6	1.58	113.00
						7	2.00	146.00
						8	2.13	149.00
						9	2.43	167.00
						10	2.77	193.00
						11	3.36	221.00
						12	3.53	239.00
						13	4.00	250.00
						14	4.30	282.00
						15	5.07	324.00
						16	5.81	320.00
						17	5.83	363.00
						18	5.15	370.00
						19	6.60	400.00
						20	7.10	416.00
						21	7.36	428.00
						22	8.03	452.00
						23	8.90	477.00
						24	8.97	493.00
						25	9.90	523.00
						26	10.33	552.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

REPORTATION =

(INTER-HOUSE DISTANCE= 1 M ) (INTER-HOUSE DISTANCE= 2 M ) (INTER-HOUSE DISTANCE= 3 M ) (INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT /	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	9.35	120.00	41	1.53	179.00	41	3.90	219.00	41	1.69	257.00
42	1.68	175.00	42	1.25	247.00	42	3.35	318.00	42	1.58	371.00
43	1.21	233.00	43	1.13	237.00	43	3.12	423.00	43	1.52	481.00
44	1.04	291.00	44	1.01	411.00	44	2.97	522.00	44	1.48	558.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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IDENTIFICATION =

INTER-HOUSE DISTANCE= 1 M )		INTER-HOUSE DISTANCE= 2 M )		INTER-HOUSE DISTANCE= 3 M )		INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	2.24	50.00	41	1.43	55.00	1	0.72	52.00
42	1.65	72.00	42	1.21	144.00	2	1.00	74.00
43	1.35	95.00	43	1.11	172.00	5	1.18	78.00
44	1.23	121.00	44	1.04	238.00	3	1.28	98.00
						4	1.57	112.00
						6	1.63	113.00
						7	2.09	146.00
						10	2.26	149.00
						8	2.54	167.00
						11	2.89	173.00
						12	3.52	221.00
						15	3.69	239.00
						22	4.14	250.00
						19	4.49	282.00
						23	5.29	324.00
						24	5.03	330.00
						27	6.10	363.00
						24	5.44	370.00
						31	6.90	400.00
						29	7.42	416.00
						35	7.70	428.00
						32	8.40	459.00
						42	9.20	477.00
						36	9.37	493.00
						40	10.35	523.00
						44	11.32	552.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

INTER-HOUSE DISTANCE= 1 M )		INTER-HOUSE DISTANCE= 2 M )		INTER-HOUSE DISTANCE= 3 M )		INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT \$	DAYLIGHT LUX
44	52.50	162.00	1	0.27	23.00	1	0.50	37.00
			2	0.40	33.00	2	0.70	53.00
			3	0.47	34.00	3	0.91	71.00
			4	0.53	44.00	4	1.12	87.00
			7	0.56	54.00	7	2.53	105.00
			9	0.86	55.00	9	3.07	130.00
			11	0.92	65.00	11	4.19	139.00
			12	1.14	81.00	12	5.06	171.00
			15	1.31	85.00	15	5.95	172.00
			16	1.57	94.00	16	7.06	212.00
			20	1.53	107.00	20	9.06	250.00
			27	1.07	108.00	27	10.83	261.00
			24	2.09	125.00	24	11.05	288.00
			28	2.11	132.00	28	13.05	323.00
			30	2.45	134.00	32	15.05	356.00
			23	3.47	144.00	36	17.04	387.00
			20	2.59	155.00	40	19.04	416.00
			27	2.66	161.00	44	21.03	445.00
			24	3.08	179.00			
			28	3.56	201.00			
			30	4.02	207.00			
			32	4.09	221.00			
			31	4.52	241.00			
			40	5.01	259.00			
			44	5.49	275.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OP I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 H ) ( INTER-HOUSE DISTANCE= 2 H ) ( INTER-HOUSE DISTANCE= 3 H ) ( INTER-HOUSE DISTANCE= 4 H )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
17	3.27	39.00	17	2.54	63.00	1	8.36	31.00	1	23.73	40.00
21	3.18	33.00	21	2.57	73.00	5	6.27	47.00	5	12.19	58.00
25	3.13	38.00	25	2.53	81.00	9	4.92	61.00	9	8.57	78.00
29	3.11	41.00	29	2.56	88.00	13	4.89	76.00	13	7.73	96.00
33	3.03	45.00	33	2.47	97.00	17	4.59	89.00	17	6.24	114.00
37	3.07	48.00	37	2.41	104.00	21	4.28	102.00	21	6.31	130.00
41	3.06	51.00	41	2.44	111.00	25	4.11	115.00	25	5.25	146.00
42	1.74	74.00	42	1.67	120.00	29	3.99	126.00	29	5.72	161.00
43	1.34	99.00	43	1.64	151.00	33	3.91	137.00	33	5.56	175.00
44	1.10	124.00	44	1.35	215.00	37	3.84	147.00	37	5.45	189.00
				1.17	268.00	41	3.81	160.00	41	5.35	202.00
						26	2.68	167.00	26	3.89	212.00
						30	2.63	194.00	30	3.77	234.00
						34	2.59	200.00	34	3.68	254.00
						38	2.57	215.00	38	3.42	273.00
						42	2.55	233.00	42	3.57	291.00
						31	2.15	244.00	31	3.08	305.00
						35	2.12	265.00	35	3.02	331.00
						39	2.11	285.00	39	2.97	356.00
						42	2.09	309.00	42	2.94	379.00
						36	1.84	330.00	36	2.51	390.00
						40	1.82	355.00	40	2.57	420.00
						44	1.81	383.00	44	2.55	448.00

ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
43	0.	90.00	42	0.	179.00	42	339.64	196.00	42	339.64	252.00
34	0.14	98.00	35	0.04	147.00	42	146.91	259.00	43	146.91	329.00
40	0.13	105.00	43	0.07	171.00	44	31.57	322.00	44	31.57	392.00
43	0.20	112.00	34	0.32	186.00						
			40	0.37	200.00						
			44	0.40	213.00						

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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7 P R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M )		( INTER-HOUSE DISTANCE= 2 M )		( INTER-HOUSE DISTANCE= 3 M )		( INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	10.00	1	2.06	30.00	1	9.36	31.00
5	0.02	15.00	5	1.91	43.00	5	6.27	47.00
7	0.04	20.00	9	1.75	54.00	9	4.74	51.00
13	0.05	25.00	13	1.59	63.00	13	4.05	76.00
17	0.09	29.00	17	1.45	73.00	17	3.53	89.00
21	0.14	33.00	21	1.37	81.00	21	3.16	102.00
14	0.18	35.00	25	1.32	95.00	17	2.94	115.00
25	0.19	38.00	27	1.28	97.00	21	2.81	126.00
11	0.23	39.00	37	1.25	104.00	25	2.71	137.00
29	0.24	41.00	37	1.24	111.00	29	2.64	147.00
18	0.25	42.00	41	0.90	118.00	33	2.59	160.00
32	0.28	45.00	25	0.87	130.00	37	1.93	167.00
15	0.31	48.00	30	0.85	141.00	41	1.85	184.00
22	0.35	49.00	34	0.84	152.00	30	1.80	200.00
41	0.38	51.00	32	0.83	161.00	34	1.75	215.00
19	0.44	56.00	42	0.71	173.00	38	1.73	233.00
16	0.49	59.00	31	0.70	188.00	42	1.52	244.00
30	0.51	60.00	35	0.67	202.00	31	1.48	265.00
23	0.59	65.00	39	0.58	215.00	35	1.45	285.00
20	0.67	70.00	43	0.61	234.00	39	1.43	305.00
27	0.75	72.00	36	0.60	252.00	42	1.28	330.00
42	0.87	74.00	44	0.55	268.00	36	1.24	355.00
31	0.89	90.00				44		393.00
35	1.07	87.00						
28	1.11	90.00						
39	1.22	93.00						
32	1.34	100.00						
34	1.54	108.00						
40	1.78	115.00						
44	2.01	124.00						

ORIENTATION =

( INTER-HOUSE DISTANCE= 1 M ) ( INTER-HOUSE DISTANCE= 2 M ) ( INTER-HOUSE DISTANCE= 3 M ) ( INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.02	12.00	1	0.43	37.00	1	0.43	37.00	1	0.43	37.00
5	0.02	20.00	2	0.61	53.00	2	0.61	53.00	2	0.61	54.00
9	0.04	25.00	3	0.80	71.00	3	0.80	70.00	3	0.80	70.00
12	0.06	32.00	4	0.99	87.00	4	0.99	83.00	4	0.99	83.00
17	0.07	38.00	7	2.37	105.00	7	2.37	105.00	7	2.37	105.00
21	0.08	44.00	8	2.88	130.00	8	2.88	124.00	8	2.88	124.00
25	0.09	49.00	11	3.97	139.00	11	3.97	139.00	11	3.97	139.00
29	0.10	54.00	12	4.80	171.00	12	4.80	164.00	12	4.80	164.00
33	0.11	58.00	15	5.57	172.00	15	5.57	170.00	15	5.57	170.00
37	0.12	63.00	16	6.66	156.00	16	6.73	202.00	16	6.73	202.00
41	0.14	67.00	27	10.37	161.00	20	9.56	250.00	20	9.56	240.00
45	0.23	71.00	24	10.50	173.00	27	10.37	261.00	27	10.37	259.00
49	0.26	78.00	28	12.51	201.00	24	10.58	288.00	24	10.58	275.00
53	0.29	85.00	32	14.44	221.00	29	12.51	323.00	31	11.97	286.00
57	0.32	91.00	35	15.36	241.00	32	14.44	356.00	28	12.51	309.00
61	0.35	97.00	40	18.29	259.00	36	16.36	387.00	35	13.57	312.00
65	0.42	104.00	44	20.22	273.00	40	18.29	416.00	32	14.44	342.00
69	0.44	105.00				44	20.22	445.00	36	16.36	373.00
73	0.45	113.00							40	19.22	403.00
77	0.51	122.00							44	20.22	431.00
81	0.56	129.00									
85	0.57	130.00									
89	0.54	141.00									
93	0.71	152.00									
97	0.77	152.00									



ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.02	10.00	41	1.43	99.00	1	0.39	30.00	1	1.58	52.00
5	0.03	15.00	42	1.21	144.00	2	0.56	43.00	2	2.10	76.00
9	0.04	20.00	43	1.11	172.00	5	0.51	44.00	3	2.61	99.00
13	0.05	24.00	44	1.06	239.00	3	0.74	57.00	4	3.12	113.00
17	0.07	28.00				9	0.94	58.00	5	3.69	113.00
21	0.08	33.00				6	0.89	64.00	7	4.58	146.00
25	0.09	37.00				4	0.92	70.00	10	5.28	149.00
29	0.10	40.00				13	1.07	71.00	8	5.47	167.00
33	0.11	44.00				7	1.17	84.00	11	5.55	173.00
37	0.13	47.00				8	1.45	105.00	12	7.82	201.00
41	0.14	50.00				11	1.50	111.00	15	8.52	239.00
26	0.23	53.00				18	1.88	123.00	22	10.05	250.00
30	0.25	58.00				12	1.98	139.00	16	10.16	272.00
34	0.25	64.00				22	2.21	141.00	19	10.48	282.00
38	0.32	58.00				17	2.46	163.00	23	12.45	324.00
42	0.35	72.00				14	2.51	171.00	27	14.42	363.00
31	0.42	73.00				30	2.87	173.00	24	14.86	370.00
35	0.47	84.00				23	2.89	187.00	31	14.36	400.00
39	0.51	91.00				20	3.05	202.00	28	17.20	416.00
43	0.56	96.00				27	3.32	209.00	35	18.34	428.00
32	0.58	97.00				24	3.58	232.00	32	19.55	459.00
36	0.44	105.00				28	4.11	261.00	36	21.90	493.00
40	0.71	113.00				37	4.52	270.00	40	24.24	523.00
44	0.77	121.00				32	4.64	288.00	44	26.59	552.00
						42	5.05	293.00			
						35	5.17	313.00			
						40	5.71	327.00			
						44	6.24	356.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
9	0.	85.00	4	1.29	91.00	4	0.48	103.00	1	0.94	53.00
12	0.24	113.00	8	1.85	121.00	8	0.72	154.00	2	1.29	77.00
15	0.52	139.00	12	2.17	159.00	12	0.85	203.00	5	1.44	79.00
20	0.67	145.00	16	2.37	197.00	16	0.94	251.00	3	1.63	99.00
24	0.78	187.00	20	2.50	203.00	20	1.00	297.00	9	1.93	104.00
28	0.86	212.00	24	2.60	267.00	24	1.04	341.00	6	1.96	114.00
32	0.92	234.00	28	2.57	300.00	28	1.07	383.00	13	2.42	128.00
36	0.97	254.00	32	2.72	330.00	32	1.09	422.00	7	2.45	149.00
40	1.01	274.00	36	2.76	357.00	36	1.11	459.00	10	2.63	151.00
44	1.04	291.00	40	2.80	386.00	40	1.13	493.00	17	2.91	152.00
			44	2.82	411.00	44	1.14	522.00	8	3.01	169.00
									14	3.31	186.00
									11	3.34	195.00
									18	3.98	220.00
									12	4.05	223.00
									15	4.20	241.00
									22	4.66	253.00
									19	5.06	285.00
									23	5.91	327.00
									34	6.68	334.00
									27	6.77	367.00
									24	7.17	375.00
									31	7.63	404.00
									28	8.21	421.00
									35	9.48	433.00
									32	9.25	464.00
									43	10.20	481.00
									36	10.29	498.00
									40	11.33	529.00
									44	12.37	558.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

INTER-HOUSE DISTANCE= 1M		INTER-HOUSE DISTANCE= 2M		INTER-HOUSE DISTANCE= 3M		INTER-HOUSE DISTANCE= 4M		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.07	10.00	1	0.07	20.00	1	0.28	30.00
2	0.11	14.00	2	0.11	28.00	2	0.35	43.00
5	0.12	15.00	3	0.15	28.00	5	0.47	44.00
3	0.15	19.00	9	0.17	38.00	3	0.51	57.00
7	0.17	20.00	5	0.18	43.00	4	0.63	70.00
6	0.18	21.00	4	0.19	47.00	12	0.84	71.00
4	0.19	24.00	13	0.22	49.00	7	0.95	94.00
7	0.26	28.00	7	0.26	56.00	8	1.07	105.00
10	0.26	28.00	10	0.26	56.00	11	1.20	111.00
21	0.32	33.00	17	0.27	57.00	18	1.45	123.00
3	0.34	35.00	21	0.32	65.00	13	1.50	139.00
14	0.34	35.00	8	0.34	70.00	22	1.71	141.00
11	0.37	38.00	11	0.37	75.00	19	1.90	163.00
18	0.42	41.00	18	0.42	82.00	14	1.93	171.00
33	0.49	44.00	33	0.48	97.00	23	2.24	187.00
17	0.49	47.00	12	0.49	93.00	20	2.37	202.00
26	0.58	53.00	22	0.50	94.00	27	2.59	209.00
19	0.60	55.00	24	0.58	105.00	24	2.80	232.00
15	0.55	58.00	19	0.60	109.00	28	3.24	251.00
23	0.71	63.00	14	0.65	114.00	38	3.63	270.00
34	0.74	64.00	30	0.66	115.00	32	3.67	288.00
20	0.80	68.00	23	0.71	125.00	43	3.97	293.00
27	0.82	71.00	34	0.74	125.00	36	4.10	313.00
42	0.90	72.00	20	0.80	135.00	40	4.54	337.00
31	0.94	79.00	27	0.92	140.00	44	4.97	366.00
35	1.05	84.00	42	0.90	144.00			
28	1.10	88.00	31	0.94	154.00			
25	1.16	91.00	24	0.95	155.00			
32	1.25	97.00	35	1.05	158.00			
36	1.41	105.00	28	1.10	174.00			
40	1.56	113.00	39	1.15	180.00			
44	1.71	121.00	32	1.25	192.00			
			36	1.41	209.00			
			40	1.56	225.00			
			44	1.71	229.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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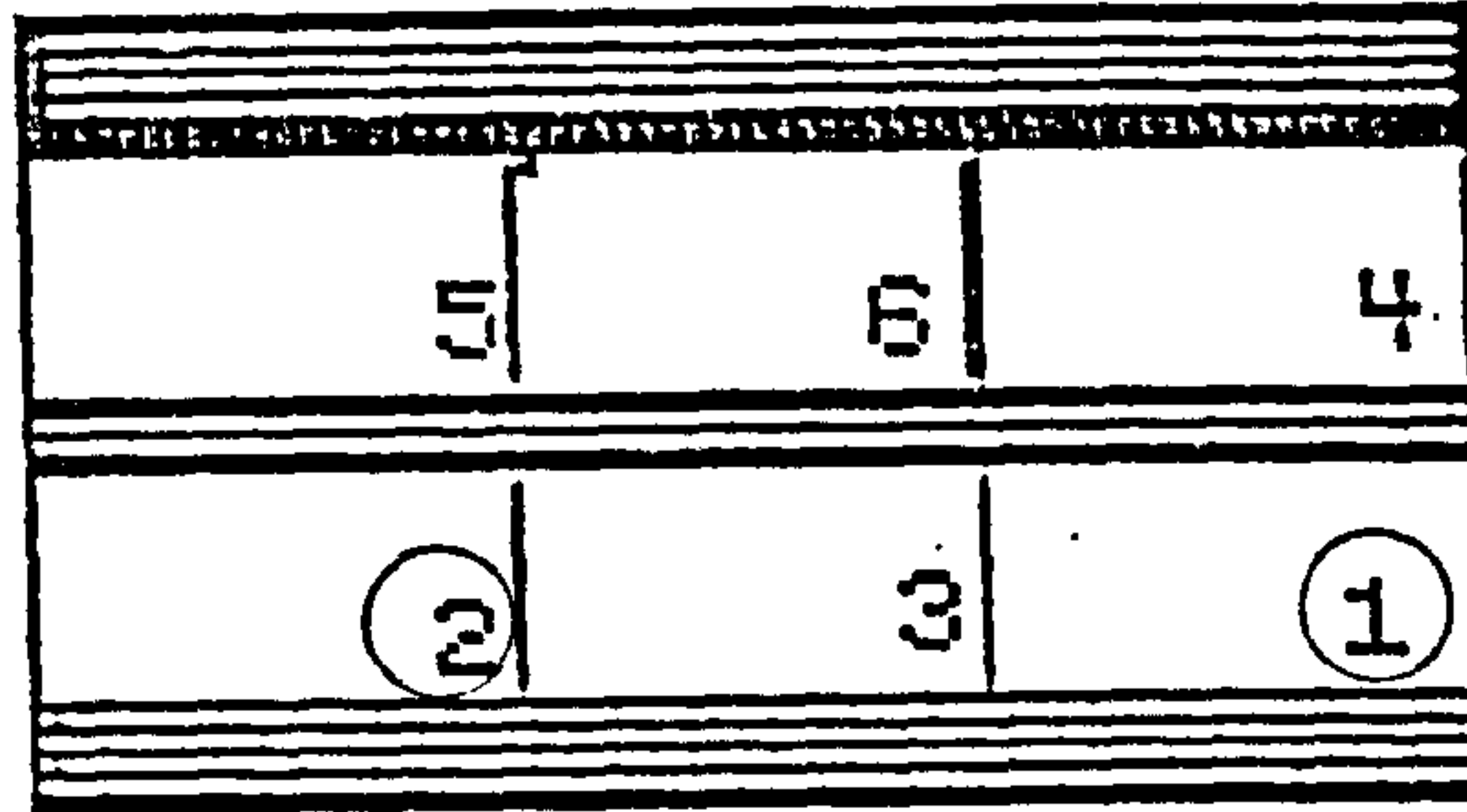
ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.01	13.00	1	0.09	23.00	1	1.21	37.00	1	0.33	37.00	1	0.33	37.00
2	0.02	24.00	2	0.13	33.00	2	1.57	53.00	2	0.45	54.00	2	0.45	54.00
3	0.03	22.00	3	0.18	44.00	3	1.94	71.00	3	0.58	70.00	3	0.58	70.00
4	0.05	38.00	4	0.22	54.00	4	2.30	87.00	4	0.70	83.00	4	0.70	83.00
7	0.06	41.00	7	0.38	65.00	7	3.44	105.00	7	1.11	105.00	7	1.11	105.00
8	0.08	49.00	8	0.48	81.00	8	4.09	130.00	10	1.28	106.00	10	1.28	106.00
11	0.09	54.00	11	0.58	86.00	11	4.94	139.00	9	1.35	124.00	9	1.35	124.00
18	0.10	58.00	18	0.73	94.00	12	5.89	171.00	11	1.64	138.00	11	1.64	138.00
12	0.11	53.00	12	0.74	107.00	15	6.44	172.00	12	2.00	164.00	12	2.00	164.00
22	0.12	67.00	22	0.88	108.00	22	7.63	176.00	15	2.18	170.00	15	2.18	170.00
19	0.19	71.00	19	0.99	125.00	16	7.69	212.00	22	2.52	177.00	22	2.52	177.00
16	0.21	73.00	16	1.00	132.00	22	9.45	233.00	14	2.65	202.00	14	2.65	202.00
30	0.23	78.00	30	1.18	134.00	20	9.47	250.00	23	3.24	231.00	23	3.24	231.00
23	0.26	85.00	23	1.20	144.00	27	10.95	261.00	20	3.31	240.00	20	3.31	240.00
20	0.29	91.00	20	1.25	155.00	27	11.27	288.00	27	3.77	259.00	27	3.77	259.00
27	0.31	97.00	27	1.40	161.00	24	13.06	323.00	24	3.96	275.00	24	3.96	275.00
24	0.36	105.00	24	1.51	177.00	29	14.85	356.00	31	4.30	285.00	31	4.30	285.00
28	0.41	112.00	28	1.77	201.00	36	16.65	387.00	28	4.61	309.00	28	4.61	309.00
32	0.43	118.00	32	2.01	207.00	40	18.44	415.00	35	4.84	312.00	35	4.84	312.00
33	0.45	122.00	33	2.03	221.00	44	20.23	445.00	32	5.26	342.00	32	5.26	342.00
35	0.49	130.00	35	2.29	241.00				43	5.90	340.00	43	5.90	340.00
36	0.54	141.00	40	2.54	259.00				36	5.91	273.00	36	5.91	273.00
40	0.62	152.00	44	2.80	276.00				40	5.56	403.00	40	5.56	403.00
44	0.69	162.00							44	7.21	431.00	44	7.21	431.00



OP I E N T A T I O N =

INTER-HOUSE DISTANCE= 1 M )				INTER-HOUSE DISTANCE= 2 M )				INTER-HOUSE DISTANCE= 3 M )				INTER-HOUSE DISTANCE= 4 M )			
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	
1	0.03	10.00	1	0.19	22.00	1	0.85	31.00	1	0.19	40.00				
2	0.04	15.00	2	0.25	32.00	2	1.09	45.00	2	0.25	58.00				
3	0.05	20.00	3	0.31	42.00	3	1.33	60.00	3	0.31	75.00				
4	0.06	24.00	4	0.37	53.00	4	1.57	74.00	4	0.37	87.00				
5	0.25	29.00	5	0.93	53.00	5	3.05	89.00	5	0.93	112.00				
6	0.31	26.00	6	1.12	79.00	6	3.41	110.00	6	1.12	130.00				
11	0.48	39.00	11	1.59	84.00	11	4.79	118.00	11	1.58	143.00				
12	0.55	48.00	12	1.91	104.00	12	5.48	146.00	12	1.91	172.00				
22	0.87	49.00	15	2.70	128.00	15	7.75	180.00	15	2.23	182.00				
14	0.88	59.00	20	3.48	152.00	20	9.82	213.00	16	2.70	213.00				
23	1.15	55.00	27	4.18	157.00	27	11.74	222.00	19	2.98	215.00				
20	1.17	70.00	24	4.27	174.00	24	11.90	245.00	20	3.48	252.00				
27	1.39	72.00	28	5.06	175.00	28	13.98	275.00	27	4.18	277.00				
24	1.44	80.00	32	5.84	216.00	32	16.05	303.00	24	4.27	290.00				
28	1.74	90.00	35	6.53	234.00	35	18.12	330.00	31	4.93	304.00				
32	2.03	100.00	40	7.42	252.00	40	20.20	355.00	28	5.06	325.00				
25	2.32	103.00	44	8.21	268.00	44	22.27	383.00	35	5.48	391.00				
40	2.60	116.00							32	5.84	355.00				
44	2.89	124.00							36	5.63	390.00				
									40	7.42	420.00				
									44	8.21	448.00				



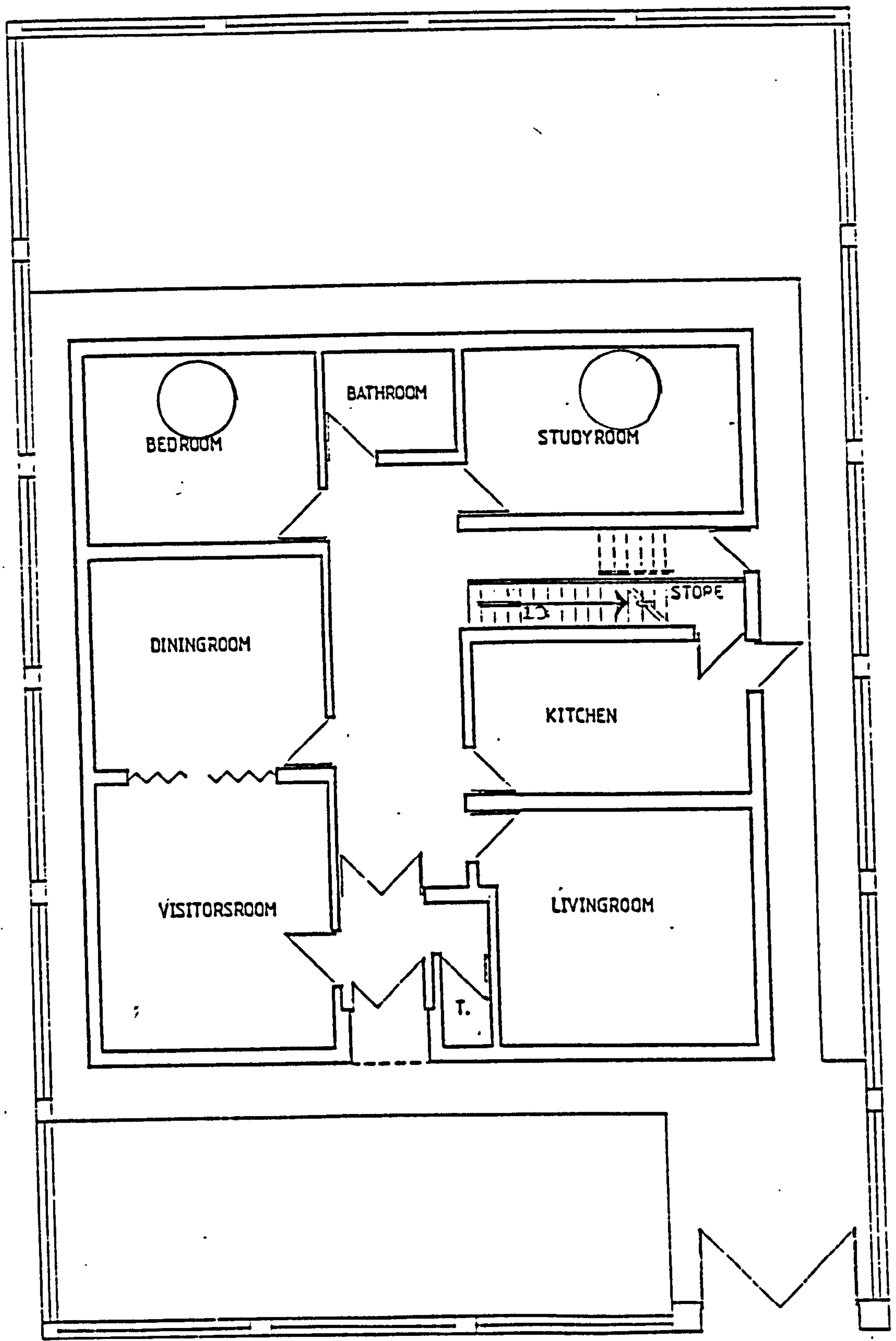
Key diagram showing the location  
of window data .



Back Wall  
2 Storey

Interhouse Distance  
4, 6, 8 and 12m.

ORIENTATION	PAGE NO.
0.0	1382
22.5	1383
45	1384
67.5	1385
90	1386
112.5	1387
135	1388
157.5	1389
180	1390
202.5	1391
225	1392
247.5	1393
270	1394
292.5	1395
315	1396
337.5	1397



GROUND FLOOR PLAN

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	60.00	4	0.	83.00	12	0.	194.00	4	0.	101.00
7	0.19	72.00	7	0.38	99.00	15	0.21	202.00	6	0.31	117.00
8	0.22	89.00	8	0.44	124.00	16	0.26	237.00	7	0.38	135.00
11	0.70	95.00	11	1.41	131.00	20	0.57	283.00	8	0.44	151.00
12	0.84	118.00	12	1.67	153.00	24	0.87	325.00	10	1.15	154.00
16	1.71	146.00	16	3.16	202.00	28	1.18	365.00	11	1.41	178.00
20	2.63	172.00	20	4.69	239.00	35	1.44	369.00	12	1.67	200.00
24	3.55	198.00	24	6.23	274.00	32	1.49	403.00	15	2.65	220.00
28	4.47	222.00	28	7.76	307.00	36	1.79	438.00	16	3.16	247.00
32	5.39	245.00	32	9.29	339.00	40	2.10	471.00	19	3.93	260.00
36	6.31	266.00	36	10.83	368.00	44	2.41	502.00	20	4.69	293.00
40	7.24	286.00	40	12.37	396.00				23	5.21	299.00
44	8.16	305.00	44	13.91	422.00				24	6.23	337.00
									34	7.28	346.00
									28	7.76	378.00
									35	9.06	402.00
									32	7.29	418.00
									39	10.34	433.00
									36	10.83	456.00
									43	11.62	462.00
									40	12.37	491.00
									44	13.91	524.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.03	28.00	1	0.03	44.00	1	0.19	43.00	1	0.19	69.00
2	0.04	40.00	2	0.04	64.00	2	0.25	62.00	2	0.25	93.00
3	0.05	53.00	3	0.05	84.00	3	0.31	82.00	3	0.31	107.00
4	0.06	66.00	4	0.06	105.00	4	0.37	97.00	4	0.37	119.00
7	0.25	79.00	7	0.25	125.00	7	0.93	122.00	6	0.74	139.00
8	0.31	98.00	8	0.31	156.00	8	1.12	145.00	7	0.93	159.00
11	0.48	104.00	11	0.48	165.00	11	1.58	161.00	8	1.12	177.00
12	0.59	130.00	12	0.59	206.00	12	1.91	191.00	10	1.25	184.00
22	0.87	132.00	22	0.87	209.00	15	2.23	198.00	11	1.58	210.00
16	0.88	160.00	16	0.88	254.00	16	2.70	237.00	14	1.76	227.00
23	1.16	175.00	23	1.16	277.00	20	3.48	280.00	12	1.91	234.00
20	1.17	190.00	20	1.17	301.00	27	4.18	302.00	15	2.23	259.00
27	1.39	196.00	27	1.39	311.00	24	4.27	321.00	18	2.28	268.00
24	1.46	218.00	24	1.46	345.00	31	4.83	332.00	16	2.70	290.00
28	1.74	244.00	28	1.74	387.00	28	5.06	361.00	22	2.79	307.00
32	2.03	270.00	32	2.03	427.00	32	5.84	398.00	26	3.30	344.00
36	2.32	293.00	36	2.32	454.00	36	6.63	433.00	23	3.53	352.00
40	2.60	315.00	40	2.60	499.00	40	7.42	466.00	30	3.81	379.00
44	2.89	335.00	44	2.89	531.00	44	8.21	496.00	27	4.18	395.00
									34	4.32	412.00
									38	4.83	442.00
									28	5.06	443.00
									42	5.34	470.00
									35	5.48	474.00
									32	5.84	489.00
									39	6.12	509.00
									36	6.63	533.00
									43	6.77	543.00
									40	7.42	574.00
									44	8.21	612.00

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.09	34.00	1	0.09	45.00	1	1.21	60.00	1	1.21	75.00
2	0.13	49.00	2	0.13	65.00	2	1.57	86.00	2	1.57	102.00
3	0.18	65.00	3	0.18	86.00	3	1.94	114.00	3	1.94	116.00
4	0.22	81.00	4	0.22	107.00	4	2.30	134.00	4	2.30	129.00
7	0.38	98.00	7	0.38	129.00	7	3.44	170.00	6	2.78	152.00
8	0.48	121.00	8	0.48	160.00	8	4.09	199.00	7	3.44	172.00
11	0.58	129.00	11	0.58	170.00	11	4.94	225.00	13	3.97	192.00
18	0.73	142.00	18	0.73	187.00	12	5.89	263.00	10	4.00	201.00
12	0.74	160.00	12	0.74	211.00	15	6.44	277.00	17	4.90	216.00
22	0.88	162.00	22	0.88	214.00	22	7.63	284.00	11	4.94	227.00
19	0.99	188.00	19	0.99	248.00	16	7.68	325.00	14	5.21	248.00
16	1.00	198.00	16	1.00	261.00	17	7.95	328.00	12	5.89	253.00
30	1.18	200.00	30	1.18	265.00	23	9.45	376.00	18	6.42	293.00
23	1.20	216.00	23	1.20	285.00	20	9.47	384.00	22	7.63	335.00
20	1.25	234.00	20	1.25	309.00	27	10.95	422.00	26	8.85	376.00
27	1.40	242.00	27	1.40	319.00	24	11.27	441.00	23	9.45	382.00
24	1.51	268.00	24	1.51	354.00	31	12.46	465.00	30	10.06	414.00
28	1.77	301.00	28	1.77	398.00	28	13.06	495.00	27	10.95	428.00
39	2.01	311.00	39	2.01	410.00	35	13.96	505.00	34	11.27	450.00
32	2.03	332.00	32	2.03	438.00	32	14.85	546.00	31	12.46	472.00
36	2.29	361.00	36	2.29	477.00	36	16.65	594.00	38	12.48	483.00
40	2.54	388.00	40	2.54	512.00	40	18.44	638.00	42	13.69	514.00
44	2.80	413.00	44	2.80	546.00	44	20.23	680.00	32	14.85	528.00
									39	15.46	552.00
									36	16.65	574.00
									43	16.96	588.00
									40	18.44	618.00
									44	20.23	659.00

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M )		( INTER-HOUSE DISTANCE= 6M )		( INTER-HOUSE DISTANCE= 8M )		( INTER-HOUSE DISTANCE= 12M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.73	40.00	1	0.28	52.00	1	0.73	62.00
2	0.98	59.00	2	0.39	75.00	2	0.98	90.00
5	1.18	60.00	5	0.47	77.00	5	1.18	92.00
3	1.24	78.00	3	0.51	100.00	3	1.24	119.00
4	1.50	97.00	4	0.63	124.00	4	1.50	139.00
7	2.00	116.00	7	0.84	126.00	7	2.00	177.00
8	2.43	144.00	8	0.86	148.00	8	2.43	208.00
11	2.77	153.00	11	1.07	184.00	11	2.77	234.00
12	3.36	190.00	12	1.20	195.00	12	3.36	274.00
22	4.00	193.00	18	1.45	216.00	17	3.53	289.00
16	4.30	235.00	12	1.50	243.00	11	4.00	296.00
23	5.07	256.00	22	1.71	247.00	14	4.30	342.00
20	5.23	278.00	19	1.90	286.00	12	5.07	392.00
27	5.83	287.00	17	1.93	301.00	18	5.23	401.00
24	6.16	319.00	23	2.24	328.00	29	5.83	440.00
28	7.10	358.00	20	2.37	356.00	22	6.16	460.00
32	8.03	394.00	27	2.59	368.00	26	6.60	485.00
36	8.97	429.00	24	2.80	408.00	23	7.10	516.00
40	9.90	461.00	28	3.24	458.00	30	7.36	526.00
44	10.83	491.00	39	3.63	473.00	27	8.03	569.00
			32	3.67	505.00	34	8.90	602.00
			35	4.10	549.00	38	8.97	619.00
			40	4.54	590.00	42	9.90	666.00
			44	4.97	629.00	32	10.83	709.00
						39	16.19	617.00
						36	17.60	639.00
						43	17.70	657.00
						40	19.41	687.00
						44	21.22	732.00



ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.12	48.00	1	0.42	59.00	1	0.94	70.00	1	0.94	86.00
5	0.19	71.00	2	0.60	86.00	2	1.29	101.00	2	1.29	117.00
9	0.26	94.00	5	0.64	88.00	5	1.44	104.00	5	1.44	129.00
6	0.32	103.00	3	0.78	114.00	3	1.63	134.00	3	1.63	131.00
13	0.33	116.00	9	0.86	117.00	9	1.93	137.00	9	1.93	170.00
17	0.40	137.00	6	0.92	128.00	6	1.96	151.00	6	1.96	174.00
21	0.47	157.00	4	0.97	142.00	4	1.97	156.00	13	2.42	209.00
25	0.54	176.00	13	1.08	144.00	13	2.42	169.00	10	2.63	229.00
29	0.61	194.00	7	1.20	170.00	7	2.49	199.00	17	2.91	247.00
18	0.67	199.00	8	1.48	211.00	8	3.01	232.00	14	3.31	283.00
33	0.68	210.00	11	1.62	224.00	11	3.31	245.00	25	3.89	317.00
37	0.75	225.00	18	1.88	247.00	18	3.34	263.00	18	3.98	334.00
22	0.79	228.00	12	2.00	279.00	18	3.98	290.00	29	4.38	349.00
41	0.82	239.00	22	2.20	283.00	12	4.05	307.00	22	4.66	383.00
26	0.91	256.00	17	2.46	327.00	15	4.20	325.00	26	5.33	429.00
19	0.94	264.00	16	2.52	344.00	22	4.66	332.00	41	5.86	432.00
16	1.00	278.00	30	2.84	349.00	19	5.06	384.00	30	6.00	473.00
30	1.02	282.00	23	2.88	376.00	23	5.91	441.00	34	6.68	514.00
23	1.11	303.00	20	3.04	408.00	20	6.13	448.00	38	7.35	551.00
34	1.14	306.00	27	3.30	421.00	27	6.77	494.00	42	8.03	586.00
20	1.21	329.00	24	3.56	468.00	24	7.17	514.00	32	9.25	594.00
27	1.27	340.00	28	4.08	525.00	31	7.63	544.00	39	9.34	624.00
42	1.37	349.00	39	4.56	542.00	28	8.21	577.00	43	10.20	664.00
24	1.42	377.00	32	4.60	579.00	35	8.48	592.00	40	11.33	695.00
35	1.60	407.00	36	5.12	629.00	32	9.25	636.00	44	12.37	741.00
28	1.63	423.00	40	5.64	676.00	43	10.20	676.00			
39	1.76	437.00	44	6.16	720.00	36	10.29	692.00			
32	1.85	467.00				40	11.33	744.00			
36	2.06	507.00				44	12.37	792.00			
40	2.27	545.00									
44	2.48	581.00									



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT .Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	8.38	202.00	1	0.39	52.00	1	0.72	62.00	1	1.24	85.00
42	6.63	295.00	2	0.56	75.00	2	1.00	90.00	2	1.67	115.00
43	5.84	393.00	5	0.61	77.00	5	1.18	92.00	5	2.09	127.00
44	5.39	491.00	3	0.74	100.00	3	1.28	119.00	3	2.10	130.00
			9	0.84	102.00	4	1.57	139.00	4	2.53	143.00
			6	0.89	112.00	7	2.09	177.00	6	2.80	172.00
			4	0.92	124.00	8	2.54	208.00	7	3.52	193.00
			13	1.07	126.00	11	2.89	234.00	13	3.78	207.00
			7	1.17	148.00	12	3.52	274.00	10	3.94	227.00
			8	1.45	184.00	15	3.69	289.00	17	4.62	244.00
			11	1.60	196.00	22	4.14	296.00	11	4.94	255.00
			18	1.88	216.00	19	4.49	342.00	14	5.07	280.00
			12	1.98	243.00	23	5.29	392.00	12	5.94	282.00
			22	2.21	247.00	20	5.47	401.00	18	6.20	331.00
			19	2.46	286.00	27	6.10	440.00	29	7.16	345.00
			16	2.51	301.00	24	6.44	460.00	22	7.33	379.00
			30	2.87	305.00	31	6.90	485.00	26	8.46	425.00
			23	2.89	328.00	28	7.42	516.00	23	9.20	437.00
			20	3.05	356.00	35	7.70	526.00	30	9.60	468.00
			27	3.32	368.00	32	8.40	569.00	27	10.61	479.00
			24	3.58	408.00	43	9.30	602.00	34	10.73	508.00
			28	4.11	458.00	36	9.37	619.00	38	11.66	545.00
			39	4.62	473.00	40	10.35	666.00	42	12.99	580.00
			32	4.64	505.00	44	11.32	709.00	32	14.47	587.00
			36	5.17	549.00				39	14.87	617.00
			40	5.71	590.00				36	16.17	639.00
			44	6.24	629.00				43	16.29	657.00
									40	17.88	687.00
									44	19.58	732.00



ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S <sub>y</sub>	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	31.24	28.00	1	0.01	44.00	1	45.62	43.00	1	76.86	59.00
2	10.86	40.00	2	0.04	64.00	5	19.74	63.00	5	29.36	102.00
5	10.11	41.00	5	0.05	65.00	9	13.02	84.00	9	18.35	135.00
3	7.36	53.00	3	0.07	84.00	13	11.11	103.00	13	15.00	167.00
9	5.78	54.00	9	0.11	86.00	17	9.68	122.00	17	12.78	197.00
4	5.26	66.00	4	0.12	105.00	21	8.66	140.00	21	11.26	225.00
13	4.31	67.00	13	0.19	106.00	25	8.08	156.00	25	10.40	252.00
7	3.74	79.00	7	0.21	125.00	29	7.70	172.00	29	9.84	278.00
21	2.94	91.00	8	0.32	156.00	33	7.44	187.00	33	9.45	301.00
8	2.93	98.00	11	0.41	165.00	37	7.24	200.00	37	9.16	323.00
25	2.64	102.00	12	0.60	206.00	41	7.10	213.00	41	8.94	343.00
11	2.54	104.00	22	0.81	209.00	26	5.26	227.00	26	6.77	344.00
29	2.45	112.00	16	0.92	254.00	30	5.06	250.00	30	6.46	379.00
33	2.32	121.00	30	1.23	258.00	34	4.92	272.00	34	6.24	412.00
37	2.22	130.00	23	1.24	277.00	38	4.81	292.00	38	6.08	442.00
41	2.14	138.00	20	1.30	301.00	42	4.73	310.00	42	5.95	470.00
19	1.72	153.00	27	1.55	311.00	31	4.13	332.00	35	5.11	474.00
16	1.70	160.00	24	1.72	345.00	35	4.03	361.00	39	4.98	509.00
30	1.59	163.00	28	2.15	397.00	39	3.95	388.00	43	4.89	543.00
34	1.52	177.00	39	2.48	400.00	43	3.88	413.00	40	4.31	574.00
38	1.46	190.00	32	2.57	427.00	36	3.48	433.00	44	4.23	612.00
42	1.41	202.00	36	2.99	464.00	40	3.42	466.00			
31	1.29	216.00	40	3.41	499.00	44	3.37	496.00			
24	1.28	218.00	44	3.83	531.00						
35	1.23	235.00									
39	1.19	252.00									
43	1.15	268.00									
32	1.11	270.00									
36	1.06	293.00									
40	1.02	315.00									
44	0.97	335.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

( INTER-HOUSE DISTANCE= 4 M )		( INTER-HOUSE DISTANCE= 6 M )		( INTER-HOUSE DISTANCE= 8 M )		( INTER-HOUSE DISTANCE= 12 M )		
WINDOW NO.	SUNLIGHT .Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	246.93	183.00	42	0.	254.00	42	2513.02	395.00
43	41.28	244.00	35	0.06	295.00	35	417.86	462.00
32	9.07	245.00	43	0.07	337.00	43	90.18	491.00
36	9.02	266.00	32	0.30	339.00	36	90.17	524.00
40	8.98	286.00	36	0.33	368.00	40		
44	8.94	305.00	44	0.37	396.00	44		
				0.40	422.00			

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 PARETO OPTIMAL SOLUTIONS WITH PANK ORDER  
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O P I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	47.47	28.00	1	0.01	44.00	1	23.73	43.00	1	76.86	69.00
2	16.93	40.00	2	0.04	64.00	5	12.19	63.00	5	29.85	102.00
5	16.91	41.00	5	0.05	65.00	9	8.39	84.00	9	18.80	135.00
3	11.36	53.00	3	0.07	84.00	13	6.89	103.00	13	15.42	167.00
9	9.92	54.00	9	0.11	86.00	17	5.88	122.00	17	13.16	197.00
6	8.32	60.00	4	0.12	105.00	21	5.19	140.00	21	11.60	225.00
4	8.06	66.00	13	0.19	106.00	25	4.79	156.00	25	10.72	252.00
13	7.51	67.00	7	0.21	125.00	29	4.54	172.00	29	10.15	278.00
17	6.11	79.00	8	0.32	156.00	33	4.36	187.00	33	9.75	301.00
21	5.22	91.00	11	0.41	165.00	37	4.23	200.00	37	9.46	323.00
8	4.75	98.00	12	0.60	206.00	41	4.13	213.00	41	9.23	343.00
25	4.71	102.00	22	0.81	209.00	26	3.13	227.00	26	6.97	344.00
29	4.38	112.00	16	0.92	254.00	30	2.99	250.00	30	6.66	379.00
33	4.15	121.00	30	1.23	258.00	34	2.89	272.00	34	6.44	412.00
37	3.98	130.00	23	1.24	277.00	38	2.82	292.00	38	6.27	442.00
41	3.85	138.00	20	1.30	301.00	42	2.76	310.00	42	6.14	470.00
26	2.99	148.00	27	1.55	311.00	31	2.45	332.00	35	5.26	474.00
19	2.95	153.00	24	1.72	345.00	35	2.37	361.00	39	5.13	509.00
16	2.86	160.00	28	2.15	387.00	39	2.31	388.00	43	5.04	543.00
30	2.81	163.00	39	2.48	400.00	43	2.27	413.00	40	4.44	574.00
34	2.68	177.00	32	2.57	427.00	36	2.05	433.00	44	4.36	612.00
38	2.58	190.00	36	2.99	464.00	40	2.01	466.00			
42	2.50	202.00	40	3.41	499.00	44	1.97	496.00			
31	2.25	216.00	44	3.83	531.00						
24	2.20	218.00									
35	2.15	235.00									
39	2.09	252.00									
43	2.02	268.00									
32	1.92	270.00									
36	1.84	293.00									
40	1.78	315.00									
44	1.73	335.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.49	40.00	1	0.39	52.00	1	0.72	62.00	1	1.24	85.00
2	0.69	59.00	2	0.56	75.00	2	1.00	90.00	2	1.67	115.00
5	0.80	60.00	5	0.61	77.00	5	1.18	92.00	5	2.09	127.00
3	0.89	78.00	3	0.74	100.00	3	1.28	119.00	3	2.10	130.00
4	1.09	97.00	4	0.84	102.00	4	1.57	139.00	4	2.53	143.00
13	1.43	98.00	6	0.89	112.00	7	2.09	177.00	6	2.80	172.00
7	1.45	116.00	4	0.92	124.00	8	2.54	208.00	7	3.52	193.00
8	1.77	144.00	13	1.07	126.00	11	2.89	234.00	13	3.78	207.00
11	2.00	153.00	7	1.17	148.00	12	3.52	274.00	10	3.94	227.00
18	2.43	168.00	8	1.45	184.00	15	3.69	289.00	17	4.62	244.00
12	2.45	190.00	11	1.60	196.00	22	4.14	276.00	11	4.94	255.00
22	2.86	193.00	18	1.88	216.00	19	4.49	342.00	14	5.07	280.00
19	3.12	223.00	12	1.98	243.00	23	5.29	372.00	12	5.94	282.00
16	3.13	235.00	22	2.21	247.00	20	5.47	401.00	18	6.20	331.00
23	3.68	256.00	19	2.46	286.00	27	6.10	440.00	29	7.16	345.00
20	3.81	278.00	16	2.51	301.00	24	6.44	460.00	22	7.33	379.00
27	4.24	287.00	30	2.87	305.00	31	6.90	485.00	26	8.46	425.00
24	4.49	319.00	23	2.89	328.00	28	7.42	516.00	23	9.20	427.00
28	5.17	358.00	20	3.05	356.00	35	7.70	526.00	30	9.60	468.00
32	5.86	394.00	27	3.32	368.00	32	8.40	569.00	27	10.61	479.00
35	6.54	429.00	24	3.58	408.00	43	9.30	602.00	34	10.73	508.00
40	7.22	461.00	28	4.11	458.00	36	9.37	619.00	38	11.86	545.00
44	7.90	491.00	39	4.62	473.00	40	10.35	656.00	42	12.99	580.00
			32	4.64	505.00	44	11.32	709.00	32	14.47	587.00
			36	5.17	549.00				39	14.87	617.00
			40	5.71	590.00				36	16.17	639.00
			44	6.24	629.00				43	16.29	657.00
									40	17.88	687.00
									44	19.58	732.00



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	1.81	48.00	1	0.42	59.00	1	0.94	70.00	1	5.92	86.00
2	2.34	69.00	2	0.60	86.00	2	1.29	101.00	2	7.53	117.00
3	2.86	92.00	5	0.64	88.00	5	1.44	104.00	3	9.14	131.00
4	3.39	114.00	3	0.78	114.00	3	1.63	134.00	4	10.76	145.00
7	4.59	137.00	9	0.86	117.00	9	1.93	137.00	6	11.72	174.00
8	5.44	170.00	6	0.92	128.00	6	1.96	151.00	7	14.23	195.00
11	6.32	181.00	4	0.97	142.00	4	1.97	156.00	13	15.79	209.00
12	7.48	225.00	13	1.08	144.00	13	2.42	169.00	10	15.90	229.00
22	9.39	228.00	7	1.20	170.00	7	2.49	199.00	17	19.07	247.00
16	9.53	278.00	8	1.48	211.00	8	3.01	232.00	11	19.31	258.00
23	11.51	303.00	11	1.62	224.00	14	3.31	245.00	14	20.09	283.00
20	11.58	329.00	18	1.88	247.00	11	3.34	263.00	12	22.72	286.00
27	13.24	340.00	12	2.00	279.00	18	3.98	290.00	18	24.28	334.00
24	13.63	377.00	22	2.20	283.00	12	4.05	307.00	22	28.46	383.00
28	15.67	423.00	19	2.46	327.00	15	4.20	325.00	26	32.65	427.00
32	17.72	467.00	16	2.52	344.00	22	4.66	332.00	23	34.56	432.00
36	19.77	507.00	30	2.84	349.00	19	5.06	384.00	30	35.83	473.00
40	21.81	545.00	23	2.88	376.00	23	5.91	441.00	27	39.64	485.00
44	23.86	581.00	20	3.04	408.00	20	6.13	448.00	34	41.02	514.00
			27	3.30	421.00	27	6.77	494.00	31	44.73	534.00
			24	3.56	468.00	24	7.17	514.00	38	45.21	551.00
			28	4.08	525.00	31	7.63	544.00	42	49.39	586.00
			39	4.56	542.00	28	8.21	577.00	32	52.62	594.00
			32	4.60	579.00	35	8.48	592.00	39	54.89	624.00
			36	5.12	629.00	32	9.25	635.00	36	58.60	646.00
			40	5.64	676.00	43	10.20	676.00	43	59.98	664.00
			44	6.16	720.00	36	10.29	692.00	40	64.58	695.00
						40	11.33	744.00	44	70.56	741.00
						44	12.37	792.00			



ORIENTATION =

(INTER-HOUSE DISTANCE= 4M )				(INTER-HOUSE DISTANCE= 6M )				(INTER-HOUSE DISTANCE= 8M )				(INTER-HOUSE DISTANCE= 12M )			
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	
1	0.28	40.00	1	0.28	52.00	1	0.73	62.00	1	1.60	85.00				
2	0.39	59.00	2	0.39	75.00	2	0.98	90.00	2	2.10	115.00				
5	0.47	60.00	5	0.47	77.00	5	1.18	92.00	5	2.52	127.00				
3	0.51	78.00	3	0.51	100.00	3	1.24	119.00	3	2.60	130.00				
4	0.63	97.00	4	0.63	124.00	4	1.50	139.00	4	3.10	143.00				
13	0.84	98.00	13	0.84	126.00	7	2.00	177.00	6	3.31	172.00				
7	0.86	116.00	7	0.86	148.00	8	2.43	208.00	7	4.11	193.00				
8	1.07	144.00	8	1.07	184.00	11	2.77	234.00	13	4.37	207.00				
11	1.20	153.00	11	1.20	196.00	12	3.36	274.00	10	4.52	227.00				
18	1.45	168.00	18	1.45	216.00	15	3.53	289.00	17	5.29	244.00				
12	1.50	190.00	12	1.50	243.00	22	4.00	296.00	11	5.62	255.00				
22	1.71	193.00	22	1.71	247.00	19	4.30	342.00	14	5.74	280.00				
19	1.90	223.00	19	1.90	286.00	23	5.07	392.00	12	6.73	282.00				
16	1.93	235.00	16	1.93	301.00	20	5.23	401.00	18	6.95	331.00				
23	2.24	256.00	23	2.24	328.00	27	5.83	440.00	29	8.06	345.00				
20	2.37	278.00	20	2.37	356.00	24	6.16	460.00	22	8.17	379.00				
27	2.59	287.00	27	2.59	368.00	31	6.60	485.00	26	9.38	425.00				
24	2.80	319.00	24	2.80	408.00	28	7.10	516.00	23	10.15	427.00				
28	3.24	358.00	28	3.24	458.00	35	7.36	526.00	30	10.59	468.00				
39	3.63	369.00	39	3.63	473.00	32	8.03	569.00	27	11.66	479.00				
32	3.67	394.00	32	3.67	505.00	43	8.90	602.00	34	11.81	508.00				
36	4.10	429.00	36	4.10	549.00	36	8.97	619.00	38	13.02	545.00				
40	4.54	461.00	40	4.54	590.00	40	9.90	656.00	42	14.23	580.00				
44	4.97	491.00	44	4.97	629.00	44	10.83	709.00	32	15.79	587.00				
									39	16.19	617.00				
									36	17.60	639.00				
									43	17.70	657.00				
									40	19.41	687.00				
									44	21.22	732.00				

O R I E N T A T I O N =

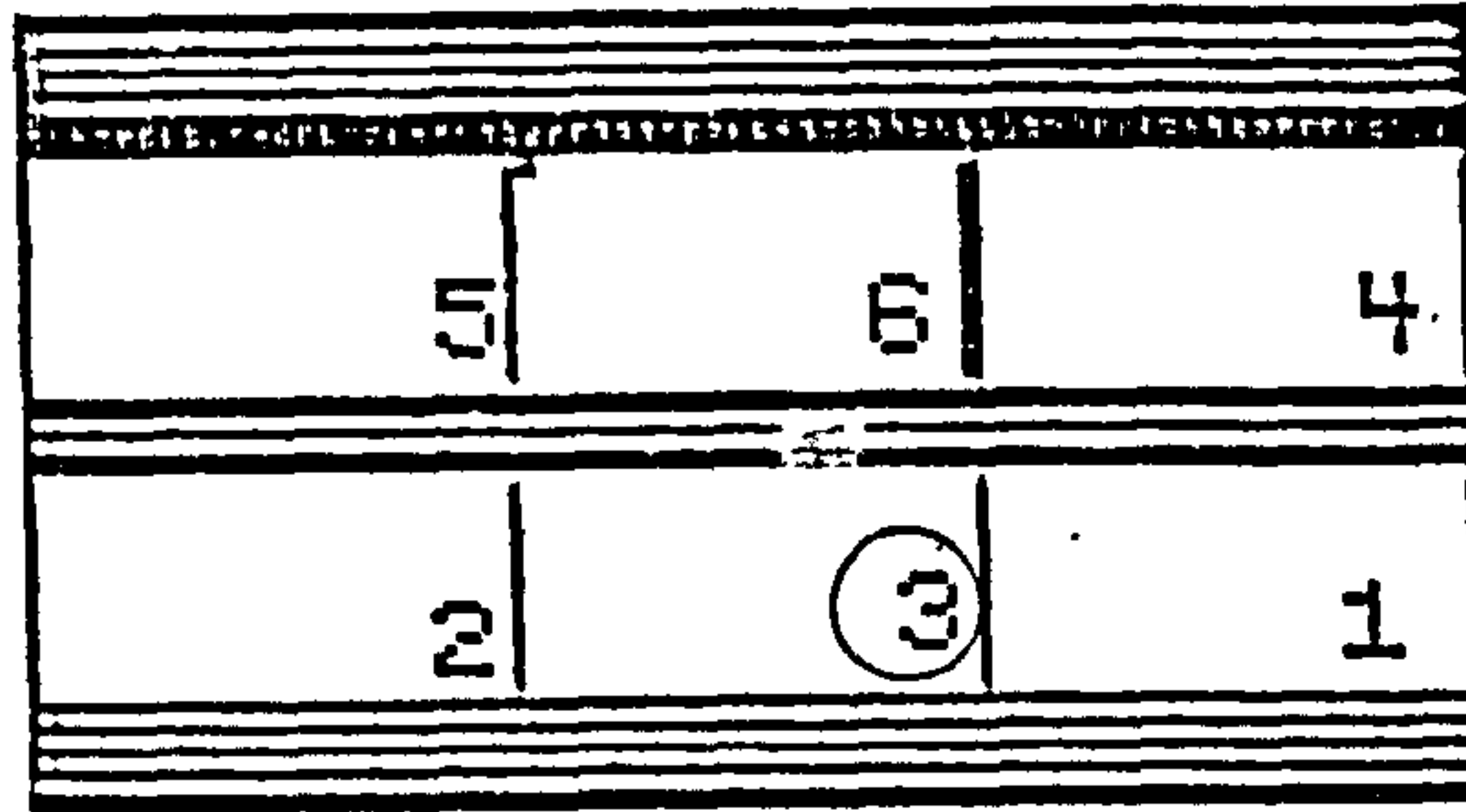
( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.09	34.00	1	0.33	45.00	1	1.21	60.00	1	1.21	75.00
2	0.13	49.00	2	0.45	65.00	2	1.57	86.00	2	1.57	102.00
3	0.18	65.00	3	0.58	86.00	3	1.94	114.00	3	1.94	116.00
4	0.22	81.00	4	0.70	107.00	4	2.30	134.00	4	2.30	129.00
7	0.38	98.00	7	1.11	129.00	7	3.44	170.00	6	2.78	152.00
8	0.48	121.00	8	1.35	160.00	8	4.09	199.00	7	3.44	172.00
11	0.58	129.00	11	1.64	170.00	11	4.94	225.00	13	3.97	182.00
18	0.73	142.00	12	2.00	211.00	12	5.89	263.00	10	4.00	201.00
12	0.74	160.00	15	2.52	214.00	15	6.44	277.00	17	4.90	216.00
22	0.88	162.00	22	2.65	261.00	22	7.63	284.00	11	4.94	227.00
19	0.99	188.00	16	3.24	285.00	16	7.68	325.00	14	5.21	248.00
16	1.00	198.00	19	3.31	309.00	19	7.95	328.00	12	5.89	253.00
30	1.18	200.00	27	3.77	319.00	23	9.45	376.00	18	6.42	293.00
23	1.20	216.00	24	3.96	354.00	20	9.47	384.00	22	7.63	335.00
20	1.25	234.00	28	4.61	398.00	27	10.95	422.00	26	8.85	376.00
27	1.40	242.00	32	5.26	438.00	24	11.27	441.00	23	9.45	382.00
24	1.51	268.00	36	5.91	477.00	31	12.46	465.00	30	10.06	414.00
28	1.77	301.00	40	6.56	512.00	28	13.06	495.00	27	10.95	428.00
39	2.01	311.00	44	7.21	546.00	35	13.96	505.00	34	11.27	450.00
32	2.03	332.00				32	14.85	546.00	31	12.46	472.00
36	2.29	361.00				36	16.65	594.00	38	12.48	483.00
40	2.54	388.00				40	18.44	638.00	42	13.69	514.00
44	2.80	413.00				44	20.23	680.00	32	14.85	528.00
									39	15.46	552.00
									36	16.65	574.00
									43	16.96	588.00
									40	19.44	618.00
									44	20.23	659.00

OPTIMIZATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.03	28.00	1	0.19	44.00	1	0.19	43.00	1	0.19	59.00
2	0.04	40.00	2	0.25	64.00	2	0.25	62.00	2	0.25	93.00
3	0.05	53.00	3	0.31	84.00	3	0.31	82.00	3	0.31	107.00
4	0.06	66.00	4	0.37	105.00	4	0.37	97.00	4	0.37	119.00
7	0.25	79.00	7	0.93	125.00	7	0.93	122.00	6	0.74	139.00
8	0.31	98.00	8	1.12	156.00	8	1.12	145.00	7	0.93	159.00
11	0.48	104.00	11	1.58	165.00	11	1.58	161.00	8	1.12	177.00
12	0.59	130.00	12	1.91	206.00	12	1.91	191.00	10	1.25	184.00
22	0.87	132.00	16	2.70	254.00	15	2.23	198.00	11	1.58	210.00
16	0.88	160.00	20	3.48	301.00	16	2.70	237.00	14	1.76	227.00
23	1.16	175.00	27	4.18	311.00	20	3.48	280.00	12	1.91	234.00
20	1.17	190.00	24	4.27	345.00	27	4.18	302.00	15	2.23	259.00
27	1.39	196.00	28	5.06	387.00	24	4.27	321.00	18	2.28	268.00
24	1.46	218.00	32	5.84	427.00	31	4.83	332.00	16	2.70	290.00
28	1.74	244.00	36	6.63	464.00	28	5.06	361.00	22	2.79	307.00
32	2.03	270.00	40	7.42	499.00	32	5.84	398.00	26	3.30	344.00
36	2.32	293.00	44	8.21	531.00	35	6.63	433.00	23	3.53	352.00
40	2.60	315.00				40	7.42	466.00	30	3.81	379.00
44	2.89	335.00				44	8.21	496.00	27	4.18	395.00
									34	4.32	412.00
									38	4.83	442.00
									28	5.06	443.00
									42	5.34	470.00
									35	5.48	474.00
									32	5.84	489.00
									39	6.12	509.00
									36	6.63	533.00
									43	6.77	543.00
									40	7.42	574.00
									44	8.21	612.00



Key diagram showing the location of window data .

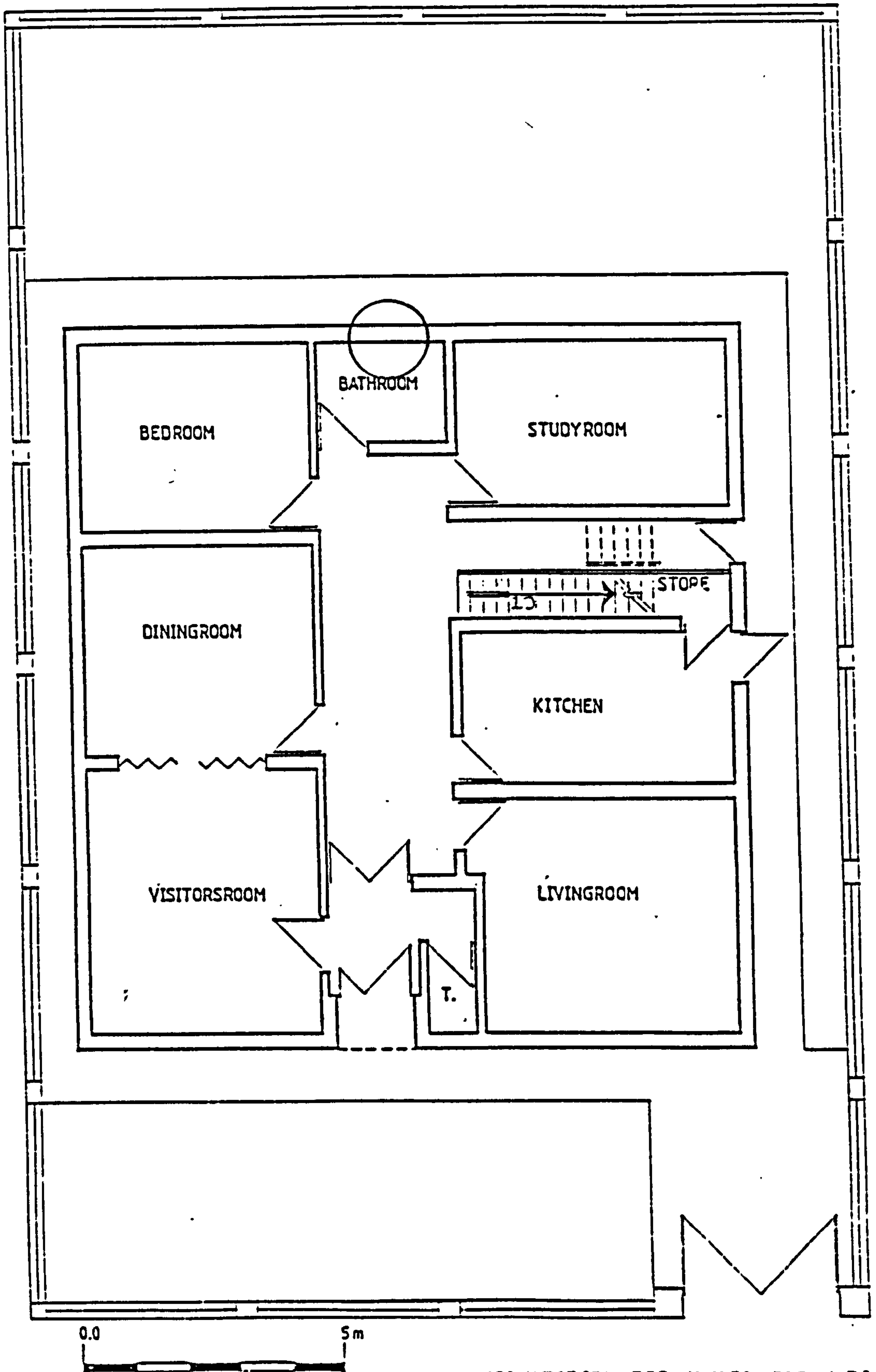


Back Wall  
2 Storey

Interhouse Distance  
4, 6, 8 and 12m.

ORIENTATION	PAGE NO.
0.0	1400
22.5	1401
45	1402
67.5	1403
90	1404
112.5	1405
135	1406
157.5	1407
180	1408
202.5	1409
225	1410
247.5	1411
270	1412
292.5	1413
315	1414
337.5	1415





GROUND FLOOR PLAN

O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	60.00	4	0.	83.00	12	0.	194.00	4	0.	191.00						
7	0.19	72.00	7	0.38	99.00	15	0.21	202.00	6	0.31	117.00						
8	0.22	89.00	8	0.44	124.00	16	0.26	239.00	7	0.38	135.00						
11	0.70	95.00	11	1.41	131.00	20	0.57	283.00	8	0.44	151.00						
12	0.84	118.00	12	1.67	163.00	24	0.87	325.00	10	1.15	154.00						
16	1.71	146.00	16	3.16	202.00	28	1.18	365.00	11	1.41	178.00						
20	2.63	172.00	20	4.69	239.00	35	1.44	369.00	12	1.67	200.00						
24	3.55	198.00	24	6.23	274.00	32	1.49	403.00	15	2.65	220.00						
28	4.47	222.00	28	7.76	307.00	36	1.79	438.00	16	3.16	247.00						
32	5.39	245.00	32	9.29	339.00	40	2.10	471.00	19	3.93	260.00						
36	6.31	266.00	36	10.83	368.00	44	2.41	502.00	20	4.69	293.00						
40	7.24	286.00	40	12.37	396.00				23	5.21	299.00						
44	8.16,	305.00	44	13.91	422.00				24	6.22	337.00						
									34	7.28	346.00						
									28	7.76	378.00						
									35	9.06	402.00						
									32	9.29	418.00						
									39	10.34	433.00						
									36	10.83	456.00						
									43	11.62	462.00						
									40	12.37	491.00						
									44	13.91	524.00						



ORIENTATION =

(INTER-HOUSE DISTANCE= 4M ) (INTER-HOUSE DISTANCE= 6M ) (INTER-HOUSE DISTANCE= 8M ) (INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	34.00	1	0.33	45.00	1	1.21	60.00	1	1.21	75.00
2	0.45	49.00	2	0.45	65.00	2	1.57	86.00	2	1.57	102.00
3	0.58	65.00	3	0.58	95.00	3	1.94	114.00	3	1.94	116.00
4	0.70	81.00	4	0.70	107.00	4	2.30	134.00	4	2.30	129.00
7	1.11	99.00	7	1.11	129.00	7	3.44	170.00	6	2.78	152.00
8	1.35	121.00	8	1.35	160.00	8	4.09	199.00	7	3.44	172.00
11	1.64	129.00	11	1.64	170.00	11	4.94	225.00	13	3.97	192.00
12	2.00	160.00	12	2.00	211.00	12	5.89	263.00	10	4.00	201.00
22	2.52	162.00	22	2.52	214.00	15	6.44	277.00	17	4.90	216.00
16	2.65	198.00	16	2.65	261.00	22	7.63	284.00	11	4.94	227.00
23	3.24	216.00	23	3.24	285.00	16	7.68	325.00	14	5.21	248.00
20	3.31	234.00	20	3.31	309.00	19	7.95	328.00	12	5.89	253.00
27	3.77	242.00	27	3.77	319.00	23	9.45	376.00	18	6.42	293.00
24	3.96	268.00	24	3.96	354.00	20	9.47	384.00	22	7.63	335.00
28	4.61	301.00	28	4.61	399.00	27	10.95	422.00	26	8.85	376.00
32	5.26	332.00	32	5.26	438.00	24	11.27	441.00	23	9.45	382.00
36	5.91	361.00	36	5.91	477.00	31	12.46	465.00	30	10.06	414.00
40	6.56	388.00	40	6.56	512.00	28	13.06	495.00	27	10.95	428.00
44	7.21	413.00	44	7.21	546.00	35	13.96	505.00	34	11.27	450.00
						32	14.85	546.00	31	12.46	472.00
						36	16.65	594.00	38	12.48	483.00
						40	18.44	638.00	42	13.69	514.00
						44	20.23	680.00	32	14.85	528.00
									39	15.46	552.00
									36	16.65	574.00
									43	16.96	588.00
									40	18.44	618.00
									44	20.23	659.00



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.07	40.00	1	0.28	52.00	1	0.73	62.00	1	0.73	85.00
2	0.11	59.00	2	0.39	75.00	2	0.98	90.00	2	0.98	115.00
5	0.12	50.00	5	0.47	77.00	5	1.18	92.00	5	1.18	127.00
3	0.15	78.00	3	0.51	100.00	3	1.24	119.00	3	1.24	130.00
9	0.17	80.00	4	0.63	124.00	4	1.50	139.00	4	1.50	143.00
6	0.18	87.00	13	0.84	126.00	7	2.00	177.00	6	1.58	172.00
4	0.17	97.00	7	0.86	148.00	8	2.43	208.00	7	2.00	193.00
13	0.22	98.00	8	1.07	184.00	11	2.77	234.00	13	2.07	207.00
7	0.26	116.00	11	1.20	176.00	12	3.36	274.00	10	2.19	227.00
21	0.32	133.00	18	1.45	216.00	15	3.53	289.00	17	2.52	244.00
8	0.34	144.00	12	1.50	243.00	22	4.00	296.00	11	2.77	255.00
11	0.37	153.00	22	1.71	247.00	19	4.30	342.00	14	2.79	280.00
18	0.42	168.00	19	1.90	296.00	23	5.07	392.00	12	3.36	282.00
33	0.48	177.00	16	1.93	301.00	20	5.23	401.00	18	3.39	331.00
12	0.47	190.00	23	2.24	328.00	27	5.83	440.00	29	3.86	345.00
22	0.50	193.00	20	2.37	356.00	24	6.16	460.00	22	4.00	379.00
26	0.59	216.00	27	2.59	368.00	31	6.60	485.00	26	4.60	425.00
19	0.60	223.00	24	2.80	408.00	28	7.10	516.00	23	5.07	427.00
16	0.65	235.00	28	3.24	458.00	35	7.36	526.00	30	5.20	468.00
30	0.66	238.00	39	3.63	473.00	32	8.03	569.00	34	5.81	508.00
23	0.71	256.00	32	3.67	505.00	43	8.90	602.00	38	6.41	545.00
34	0.74	258.00	35	4.10	549.00	36	8.97	619.00	42	7.01	580.00
20	0.80	278.00	40	4.54	590.00	40	9.90	666.00	32	8.03	587.00
27	0.82	287.00	44	4.97	629.00	44	10.83	709.00	39	8.13	617.00
42	0.90	295.00							43	9.90	657.00
31	0.94	316.00							40	9.90	687.00
24	0.95	319.00							44	10.83	732.00
35	1.05	344.00									
28	1.10	358.00									
39	1.16	369.00									
32	1.25	394.00									
36	1.41	429.00									
40	1.56	461.00									
44	1.71	491.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

C O R R E L A T I O N =

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.12	49.00	1	0.42	59.00	1	0.94	70.00	1	0.94	86.00	1	0.94	86.00
5	0.19	71.00	2	0.60	86.00	2	1.29	101.00	2	1.29	117.00	2	1.29	117.00
9	0.26	94.00	5	0.64	88.00	5	1.44	104.00	5	1.44	129.00	5	1.44	129.00
6	0.32	103.00	3	0.78	114.00	3	1.63	134.00	3	1.63	131.00	3	1.63	131.00
13	0.33	116.00	9	0.86	117.00	9	1.93	137.00	9	1.93	170.00	9	1.93	170.00
17	0.40	137.00	6	0.92	128.00	6	1.96	151.00	6	1.96	174.00	6	1.96	174.00
21	0.47	157.00	4	0.97	142.00	4	1.97	156.00	13	2.42	209.00	13	2.42	209.00
25	0.54	176.00	13	1.08	144.00	13	2.42	169.00	10	2.63	229.00	10	2.63	229.00
29	0.61	194.00	7	1.20	170.00	7	2.49	199.00	17	2.91	247.00	17	2.91	247.00
18	0.67	199.00	8	1.48	211.00	8	3.01	232.00	14	3.31	283.00	14	3.31	283.00
33	0.68	210.00	11	1.62	224.00	14	3.31	245.00	25	3.89	317.00	25	3.89	317.00
37	0.75	225.00	18	1.88	247.00	11	3.34	263.00	18	3.98	334.00	18	3.98	334.00
22	0.79	228.00	12	2.00	279.00	18	3.98	290.00	29	4.38	349.00	29	4.38	349.00
41	0.82	239.00	22	2.20	283.00	12	4.05	307.00	22	4.66	383.00	22	4.66	383.00
26	0.91	256.00	19	2.46	327.00	15	4.20	325.00	26	5.33	429.00	26	5.33	429.00
19	0.94	264.00	16	2.52	344.00	22	4.66	332.00	41	5.86	432.00	41	5.86	432.00
16	1.00	278.00	30	2.84	349.00	19	5.06	384.00	30	6.00	473.00	30	6.00	473.00
30	1.02	282.00	23	2.88	376.00	23	5.91	441.00	34	6.68	514.00	34	6.68	514.00
23	1.11	303.00	20	3.04	408.00	20	6.13	448.00	38	7.35	551.00	38	7.35	551.00
34	1.14	306.00	27	3.30	421.00	27	6.77	494.00	42	8.03	586.00	42	8.03	586.00
20	1.21	329.00	24	3.56	468.00	24	7.17	514.00	32	9.25	594.00	32	9.25	594.00
27	1.27	340.00	28	4.08	525.00	31	7.63	544.00	39	9.34	624.00	39	9.34	624.00
42	1.37	349.00	39	4.56	542.00	28	8.21	577.00	43	10.20	664.00	43	10.20	664.00
24	1.42	377.00	32	4.60	579.00	35	8.48	592.00	40	11.33	695.00	40	11.33	695.00
35	1.60	407.00	36	5.12	629.00	32	9.25	636.00	44	12.37	741.00	44	12.37	741.00
28	1.63	423.00	40	5.64	676.00	43	10.20	676.00						
39	1.76	437.00	44	6.16	720.00	36	10.29	692.00						
32	1.85	467.00				40	11.33	744.00						
36	2.06	507.00				44	12.37	792.00						
40	2.27	545.00												
44	2.48	581.00												

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.15	40.00	1	0.37	52.00	1	0.72	62.00	1	1.24	85.00
5	0.24	60.00	2	0.56	75.00	2	1.00	90.00	2	1.67	115.00
9	0.32	80.00	5	0.61	77.00	5	1.18	92.00	5	2.09	127.00
6	0.38	87.00	3	0.74	100.00	3	1.28	119.00	3	2.10	130.00
13	0.41	98.00	9	0.84	102.00	4	1.57	139.00	4	2.53	143.00
17	0.49	116.00	6	0.89	112.00	7	2.09	177.00	6	2.80	172.00
21	0.58	133.00	4	0.92	124.00	9	2.54	208.00	7	3.52	193.00
25	0.66	149.00	13	1.07	126.00	11	2.87	234.00	13	3.78	207.00
11	0.72	153.00	7	1.17	148.00	12	3.52	274.00	10	3.94	227.00
29	0.75	164.00	8	1.45	184.00	15	3.69	289.00	17	4.62	244.00
18	0.79	168.00	11	1.60	196.00	15	4.14	296.00	11	4.94	255.00
33	0.83	177.00	18	1.88	216.00	22	4.49	342.00	14	5.07	280.00
15	0.90	189.00	12	1.78	243.00	19	4.49	342.00	14	5.07	280.00
12	0.91	190.00	22	2.21	247.00	23	5.29	392.00	12	5.94	282.00
22	0.93	193.00	22	2.21	247.00	20	5.47	401.00	18	6.20	331.00
41	1.00	202.00	19	2.46	286.00	27	6.10	440.00	29	7.16	345.00
26	1.06	216.00	16	2.51	301.00	24	6.44	460.00	22	7.33	379.00
19	1.09	223.00	30	2.87	305.00	31	6.90	485.00	26	8.46	425.00
16	1.15	235.00	23	2.89	328.00	28	7.42	516.00	23	9.20	427.00
30	1.20	238.00	20	3.05	356.00	35	7.70	526.00	30	9.60	468.00
23	1.28	256.00	27	3.32	368.00	35	7.70	526.00	30	9.60	468.00
34	1.33	258.00	24	3.58	408.00	32	8.40	569.00	27	10.61	479.00
20	1.39	278.00	28	4.11	458.00	43	9.30	602.00	34	10.73	509.00
27	1.46	287.00	39	4.62	473.00	36	9.37	619.00	38	11.86	545.00
42	1.61	295.00	32	4.64	505.00	40	10.35	656.00	42	12.99	580.00
24	1.63	319.00	36	5.17	547.00	44	11.32	709.00	32	14.47	587.00
35	1.84	344.00	40	5.71	590.00				39	14.87	617.00
28	1.86	358.00	44	6.24	629.00				36	16.17	639.00
39	2.02	359.00							43	16.29	657.00
32	2.10	394.00							40	17.88	687.00
36	2.34	429.00							44	19.59	732.00
40	2.58	461.00									
44	2.82	491.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M )		( INTER-HOUSE DISTANCE= 6 M )		( INTER-HOUSE DISTANCE= 8 M )		( INTER-HOUSE DISTANCE= 12 M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.32	34.00	1	0.32	45.00	1	0.43	50.00	1	0.43	75.00
2	0.48	49.00	2	0.48	65.00	2	0.61	86.00	2	0.61	102.00
3	0.63	65.00	3	0.63	85.00	3	0.80	114.00	3	0.80	116.00
4	0.79	81.00	4	0.79	107.00	4	0.99	134.00	4	0.99	129.00
7	1.22	98.00	7	1.22	129.00	7	1.76	170.00	6	1.86	152.00
8	1.51	121.00	8	1.51	160.00	8	2.16	199.00	7	2.37	172.00
11	1.80	129.00	11	1.80	170.00	11	2.71	225.00	8	2.88	192.00
12	2.23	160.00	12	2.23	211.00	12	3.32	263.00	10	3.13	201.00
22	2.71	162.00	22	2.71	214.00	15	3.67	277.00	11	3.97	227.00
16	2.95	198.00	16	2.95	261.00	22	4.34	284.00	14	4.40	248.00
23	3.55	216.00	23	3.55	285.00	16	4.49	325.00	12	4.80	253.00
20	3.67	234.00	20	3.67	309.00	19	4.62	328.00	15	5.57	281.00
27	4.13	242.00	27	4.13	319.00	23	5.58	376.00	18	5.68	293.00
24	4.39	268.00	24	4.39	354.00	20	5.65	384.00	16	6.73	313.00
28	5.11	301.00	28	5.11	398.00	27	6.53	422.00	22	6.95	335.00
32	5.83	332.00	32	5.83	438.00	24	6.81	441.00	26	8.22	376.00
36	6.55	361.00	36	6.55	477.00	31	7.49	465.00	23	8.77	382.00
40	7.27	388.00	40	7.27	512.00	28	7.98	495.00	30	9.50	414.00
44	8.00	413.00	44	8.00	546.00	35	8.44	505.00	27	10.37	429.00
						32	9.14	546.00	34	10.77	450.00
						36	10.31	594.00	31	11.97	472.00
						40	11.47	638.00	38	12.04	483.00
						44	12.63	680.00	42	13.32	514.00
									32	14.44	528.00
									39	15.17	552.00
									36	16.36	574.00
									43	16.77	589.00
									40	18.29	618.00
									44	20.22	659.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 4M )		(INTER-HOUSE DISTANCE= 6M )		(INTER-HOUSE DISTANCE= 8M )		(INTER-HOUSE DISTANCE= 12M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	28.00	1	0.01	44.00	1	45.62	43.00	1	76.86	59.00
2	0.04	40.00	2	0.04	64.00	5	19.74	63.00	5	29.85	102.00
5	0.05	41.00	5	0.05	65.00	9	13.02	84.00	9	18.80	135.00
3	0.07	53.00	3	0.07	84.00	13	11.11	103.00	13	15.42	167.00
7	0.11	54.00	9	0.11	85.00	17	9.68	122.00	17	13.16	197.00
4	0.12	66.00	4	0.12	105.00	21	8.66	140.00	21	11.60	225.00
13	0.19	67.00	13	0.19	106.00	25	8.08	156.00	25	10.72	252.00
7	0.21	79.00	7	0.21	125.00	29	7.70	172.00	29	10.15	278.00
8	0.32	98.00	8	0.32	156.00	33	7.44	187.00	33	9.75	301.00
11	0.41	104.00	11	0.41	165.00	37	7.24	200.00	37	9.46	323.00
12	0.60	130.00	12	0.60	206.00	41	7.10	213.00	41	9.23	343.00
22	0.81	132.00	22	0.81	209.00	26	5.26	227.00	26	6.97	344.00
16	0.92	150.00	16	0.92	254.00	30	5.06	250.00	30	6.66	379.00
30	1.23	163.00	30	1.23	258.00	34	4.92	272.00	34	6.44	412.00
23	1.24	175.00	23	1.24	277.00	38	4.81	292.00	38	6.27	442.00
20	1.30	190.00	20	1.30	301.00	42	4.73	310.00	42	6.14	470.00
27	1.55	196.00	27	1.55	311.00	31	4.13	332.00	35	5.26	474.00
24	1.72	218.00	24	1.72	345.00	35	4.03	361.00	39	5.13	509.00
28	2.15	244.00	28	2.15	387.00	39	3.95	388.00	43	5.04	543.00
39	2.48	252.00	39	2.48	400.00	43	3.88	413.00	40	4.44	574.00
32	2.57	270.00	32	2.57	427.00	36	3.48	433.00	44	4.36	612.00
36	2.99	293.00	36	2.99	464.00	40	3.42	466.00			
40	3.41	315.00	40	3.41	499.00	44	3.37	496.00			
44	3.83	335.00	44	3.83	531.00						

ORIENTATION =

(INTER-HOUSE DISTANCE= 4M )		(INTER-HOUSE DISTANCE= 6M )		(INTER-HOUSE DISTANCE= 8M )		(INTER-HOUSE DISTANCE= 12M )					
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
42	0.	183.00	42	0.	254.00	42	0.	316.00	42	2513.02	395.00
35	0.06	213.00	35	0.06	295.00	35	0.06	369.00	43	417.86	462.00
43	0.07	244.00	43	0.07	337.00	43	0.07	421.00	40	90.18	491.00
32	0.30	245.00	32	0.30	339.00	36	0.33	438.00	44	90.17	524.00
36	0.33	266.00	36	0.33	368.00	40	0.37	471.00			
40	0.37	286.00	40	0.37	396.00	44	0.40	502.00			
44	0.40	305.00	44	0.40	422.00						

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	28.00	1	0.01	44.00	1	23.73	43.00	1	249.60	59.00
2	0.04	40.00	2	0.04	64.00	5	12.19	63.00	5	89.86	102.00
5	0.05	41.00	5	0.05	65.00	9	8.39	84.00	3	57.78	107.00
3	0.07	53.00	3	0.07	84.00	13	6.89	103.00	9	54.26	135.00
9	0.11	54.00	9	0.11	86.00	17	5.88	122.00	6	44.45	132.00
4	0.12	66.00	4	0.12	105.00	21	5.19	140.00	13	42.39	167.00
13	0.19	67.00	13	0.19	106.00	25	4.79	156.00	17	35.14	197.00
7	0.21	79.00	7	0.21	125.00	29	4.54	172.00	21	30.42	225.00
8	0.32	98.00	8	0.32	156.00	33	4.36	187.00	25	27.73	252.00
11	0.41	104.00	11	0.41	165.00	37	4.23	200.00	29	25.99	278.00
12	0.60	130.00	12	0.60	206.00	41	4.13	213.00	33	24.78	301.00
22	0.81	132.00	22	0.81	209.00	26	3.13	227.00	37	23.88	323.00
16	0.92	160.00	16	0.92	254.00	30	2.99	250.00	41	23.20	343.00
30	1.23	163.00	30	1.23	258.00	34	2.89	272.00	26	17.73	344.00
23	1.24	175.00	23	1.24	277.00	38	2.82	292.00	30	16.77	379.00
20	1.30	190.00	20	1.30	301.00	42	2.76	310.00	34	16.08	412.00
27	1.55	196.00	27	1.55	311.00	31	2.45	332.00	38	15.58	442.00
24	1.72	218.00	24	1.72	345.00	35	2.37	361.00	42	15.18	470.00
28	2.15	244.00	28	2.15	387.00	39	2.31	388.00	35	13.01	474.00
39	2.48	252.00	39	2.48	400.00	43	2.27	413.00	39	12.62	509.00
32	2.57	270.00	32	2.57	427.00	36	2.05	433.00	43	12.32	543.00
36	2.99	293.00	36	2.99	464.00	40	2.01	466.00	40	10.84	574.00
40	3.41	315.00	40	3.41	499.00	44	1.97	476.00	44	10.59	612.00
44	3.83	335.00	44	3.83	531.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.39	34.00	1	0.50	45.00	1	0.50	60.00	1	0.50	75.00
2	0.56	49.00	2	0.70	65.00	2	0.70	86.00	2	0.70	102.00
3	0.74	65.00	3	0.91	85.00	3	0.91	114.00	3	0.91	116.00
4	0.91	81.00	4	1.12	107.00	4	1.12	134.00	4	1.12	129.00
7	1.38	98.00	7	2.53	129.00	7	1.92	170.00	6	1.99	152.00
8	1.70	121.00	8	3.07	160.00	8	2.35	199.00	7	2.53	172.00
11	2.02	129.00	11	4.19	170.00	11	2.94	225.00	8	3.07	192.00
12	2.48	160.00	12	5.06	211.00	12	3.58	263.00	10	3.32	201.00
22	3.04	162.00	16	7.06	261.00	15	3.95	277.00	11	4.19	227.00
16	3.28	198.00	20	9.06	309.00	22	4.68	284.00	14	4.64	248.00
23	3.95	216.00	27	10.83	319.00	16	4.82	325.00	12	5.05	253.00
20	4.07	234.00	24	11.05	354.00	19	4.97	328.00	15	5.85	281.00
27	4.59	242.00	28	13.05	399.00	23	5.98	376.00	18	5.96	293.00
24	4.86	268.00	32	15.05	438.00	20	6.05	384.00	16	7.06	313.00
28	5.65	301.00	35	17.04	477.00	27	7.00	422.00	22	7.29	335.00
32	6.44	332.00	40	19.04	512.00	24	7.28	441.00	26	8.61	376.00
36	7.23	361.00	44	21.03	546.00	31	8.01	465.00	23	9.17	382.00
40	8.02	388.00				28	8.52	495.00	30	9.93	414.00
44	8.81	413.00				35	9.02	505.00	27	10.83	428.00
						32	9.75	546.00	34	11.26	450.00
						36	10.98	594.00	31	12.49	472.00
						40	12.22	638.00	38	12.58	483.00
						44	13.45	680.00	42	13.90	514.00
									32	15.05	528.00
									39	15.81	552.00
									36	17.04	574.00
									43	17.47	588.00
									40	19.04	618.00
									44	21.03	659.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.15	40.00	1	0.39	52.00	1	0.72	62.00	1	2.10	85.00
5	0.24	60.00	2	0.56	75.00	2	1.00	90.00	2	2.76	115.00
9	0.32	80.00	5	0.61	77.00	5	1.18	92.00	3	3.43	130.00
4	0.38	87.00	3	0.74	100.00	3	1.28	119.00	4	4.09	143.00
13	0.41	98.00	9	0.84	102.00	4	1.57	139.00	6	4.86	172.00
17	0.49	116.00	6	0.89	112.00	7	2.09	177.00	7	6.01	193.00
21	0.58	133.00	4	0.92	124.00	8	2.54	209.00	13	6.91	207.00
25	0.66	149.00	13	1.07	126.00	11	2.89	234.00	10	6.95	227.00
11	0.72	153.00	7	1.17	148.00	12	3.52	274.00	17	8.51	244.00
29	0.75	164.00	8	1.45	184.00	15	3.69	289.00	11	8.60	255.00
18	0.79	168.00	11	1.60	196.00	22	4.14	296.00	14	9.05	280.00
33	0.83	177.00	18	1.88	216.00	19	4.49	342.00	12	10.24	282.00
15	0.90	189.00	12	1.98	243.00	23	5.29	392.00	18	11.14	331.00
12	0.91	190.00	22	2.21	247.00	20	5.47	401.00	22	13.24	379.00
22	0.93	193.00	19	2.46	286.00	27	6.10	440.00	26	15.33	425.00
41	1.00	202.00	16	2.51	301.00	24	6.44	460.00	23	16.35	427.00
26	1.06	216.00	30	2.87	305.00	31	6.90	485.00	30	17.42	468.00
19	1.09	223.00	23	2.89	328.00	28	7.42	516.00	27	18.94	479.00
16	1.15	235.00	20	3.05	356.00	35	7.70	526.00	34	19.52	508.00
30	1.20	238.00	27	3.32	368.00	32	8.40	569.00	31	21.52	529.00
23	1.28	256.00	24	3.58	408.00	43	9.30	602.00	38	21.61	545.00
34	1.33	258.00	28	4.11	458.00	36	9.37	619.00	42	23.71	580.00
20	1.39	278.00	39	4.62	473.00	40	10.35	666.00	32	25.62	587.00
27	1.46	287.00	32	4.64	505.00	44	11.32	709.00	39	26.69	617.00
42	1.61	275.00	36	5.17	549.00				36	28.70	639.00
24	1.63	319.00	40	5.71	590.00				43	29.28	657.00
35	1.84	344.00	44	6.24	629.00				40	31.78	687.00
28	1.86	358.00							44	34.85	732.00
39	2.02	359.00									
32	2.10	394.00									
35	2.34	429.00									
40	2.58	461.00									
44	2.92	491.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER.

ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.12	48.00	1	0.42	59.00	1	0.94	70.00	1	2.63	86.00
5	0.19	71.00	2	0.60	86.00	2	1.29	101.00	2	3.42	117.00
7	0.26	94.00	5	0.64	89.00	5	1.44	104.00	5	4.15	129.00
6	0.32	103.00	3	0.78	114.00	3	1.63	134.00	3	4.21	131.00
13	0.33	115.00	9	0.86	117.00	9	1.93	137.00	4	5.00	145.00
17	0.40	137.00	6	0.92	128.00	6	1.96	151.00	6	5.39	174.00
21	0.47	157.00	4	0.97	142.00	4	1.97	155.00	7	6.63	175.00
25	0.54	176.00	13	1.08	144.00	13	2.42	169.00	13	7.17	209.00
27	0.61	194.00	7	1.20	170.00	7	2.49	199.00	10	7.36	229.00
18	0.67	199.00	8	1.48	211.00	8	3.01	232.00	17	8.69	247.00
33	0.68	210.00	11	1.62	224.00	14	3.31	245.00	11	9.05	258.00
37	0.75	225.00	18	1.88	247.00	11	3.34	263.00	14	9.32	283.00
22	0.79	228.00	12	2.00	279.00	18	3.98	290.00	12	10.75	286.00
41	0.82	239.00	22	2.20	283.00	12	4.05	307.00	18	11.29	334.00
26	0.91	256.00	19	2.46	327.00	15	4.20	325.00	29	13.23	347.00
19	0.94	264.00	16	2.52	344.00	22	4.66	332.00	22	13.26	383.00
16	1.00	278.00	30	2.84	349.00	19	5.06	384.00	26	15.23	429.00
30	1.02	282.00	23	2.88	376.00	23	5.91	441.00	23	16.32	432.00
23	1.11	303.00	20	3.04	408.00	20	6.13	448.00	30	17.20	473.00
34	1.14	306.00	27	3.30	421.00	27	6.77	494.00	27	18.74	485.00
20	1.21	329.00	24	3.56	468.00	24	7.17	514.00	34	19.16	514.00
27	1.27	340.00	28	4.08	525.00	31	7.63	544.00	38	21.13	551.00
42	1.37	349.00	39	4.56	542.00	28	8.21	577.00	42	23.10	586.00
24	1.42	377.00	32	4.60	579.00	35	8.48	592.00	32	25.12	594.00
35	1.60	407.00	36	5.12	629.00	32	9.25	636.00	39	26.00	624.00
28	1.63	423.00	40	5.64	676.00	43	10.20	676.00	36	28.00	646.00
39	1.76	437.00	44	6.16	720.00	36	10.29	692.00	43	28.42	664.00
32	1.85	467.00				40	11.33	744.00	40	30.87	695.00
36	2.06	507.00				44	12.37	792.00	44	33.75	741.00
40	2.27	545.00									
44	2.48	581.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX
1	0.33	34.00	1	0.33	45.00	1	1.21	60.00	1	1.21	75.00
2	0.45	49.00	2	0.45	65.00	2	1.57	86.00	2	1.57	102.00
3	0.58	65.00	3	0.58	86.00	3	1.94	114.00	3	1.94	116.00
4	0.70	81.00	4	0.70	107.00	4	2.30	134.00	4	2.30	129.00
7	1.11	98.00	7	1.11	127.00	7	3.44	170.00	6	2.78	152.00
8	1.35	121.00	8	1.35	160.00	8	4.09	199.00	7	3.44	172.00
11	1.64	129.00	11	1.64	170.00	11	4.94	225.00	13	3.97	182.00
12	2.00	160.00	12	2.00	211.00	12	5.89	263.00	10	4.00	201.00
22	2.52	162.00	22	2.52	214.00	15	6.44	277.00	17	4.90	216.00
16	2.65	198.00	16	2.65	261.00	22	7.63	284.00	11	4.94	227.00
23	3.24	216.00	23	3.24	285.00	16	7.68	325.00	14	5.21	248.00
20	3.31	234.00	20	3.31	309.00	19	7.95	328.00	12	5.89	253.00
27	3.77	242.00	27	3.77	319.00	23	9.45	375.00	18	6.42	293.00
24	3.96	268.00	24	3.96	354.00	20	9.47	384.00	22	7.63	335.00
28	4.61	301.00	28	4.61	398.00	27	10.95	422.00	26	8.85	375.00
32	5.26	332.00	32	5.26	438.00	24	11.27	441.00	23	9.45	382.00
35	5.91	361.00	35	5.91	477.00	31	12.46	465.00	30	10.06	414.00
40	6.56	388.00	40	6.56	512.00	28	13.06	495.00	27	10.95	428.00
44	7.21	413.00	44	7.21	546.00	35	13.96	505.00	34	11.27	450.00
						32	14.85	546.00	31	12.46	472.00
						36	16.65	594.00	38	12.48	483.00
						40	18.44	638.00	42	13.69	514.00
						44	20.23	680.00	32	14.85	528.00
									39	15.46	552.00
									36	16.65	574.00
									43	16.96	588.00
									40	18.44	618.00
									44	20.23	659.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

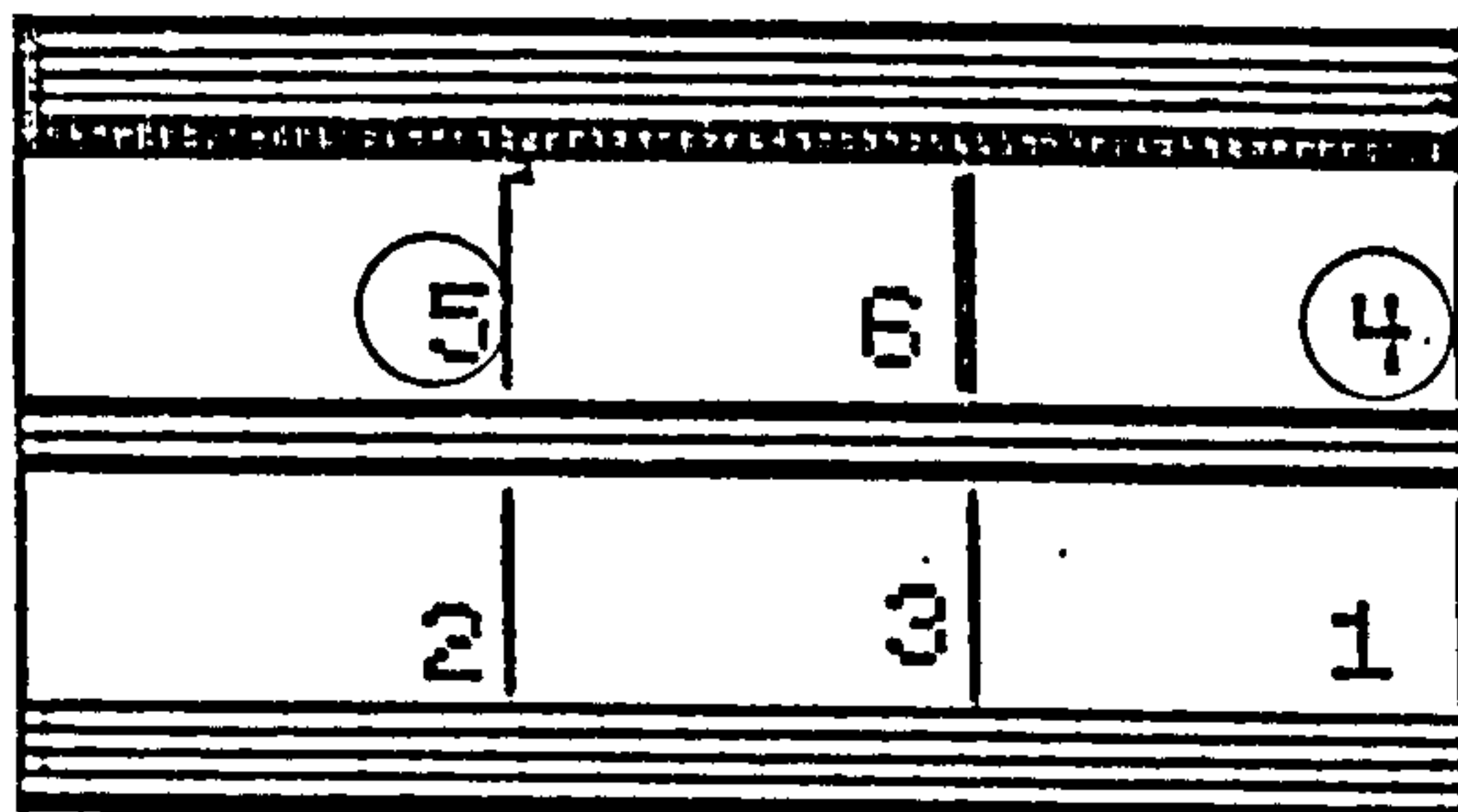


OP I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.03	28.00	1	0.19	44.00	1	0.19	43.00	1	0.19	69.00
2	0.04	40.00	2	0.25	64.00	2	0.25	62.00	2	0.25	93.00
3	0.05	53.00	3	0.31	84.00	3	0.31	82.00	3	0.31	107.00
4	0.06	66.00	4	0.37	105.00	4	0.37	97.00	4	0.37	119.00
7	0.25	79.00	7	0.93	125.00	7	0.93	122.00	6	0.74	132.00
8	0.31	98.00	8	1.12	156.00	8	1.12	145.00	7	0.93	159.00
11	0.48	104.00	11	1.58	165.00	11	1.58	161.00	8	1.12	177.00
12	0.57	130.00	12	1.91	206.00	12	1.91	191.00	10	1.25	184.00
22	0.87	132.00	16	2.70	254.00	15	2.23	198.00	11	1.58	210.00
16	0.88	160.00	20	3.48	301.00	16	2.70	237.00	14	1.76	227.00
23	1.16	175.00	27	4.18	311.00	20	3.48	280.00	12	1.91	234.00
20	1.17	190.00	24	4.27	345.00	27	4.18	302.00	15	2.23	259.00
27	1.37	195.00	28	5.06	387.00	24	4.27	321.00	18	2.28	268.00
24	1.46	218.00	32	5.84	427.00	31	4.83	332.00	16	2.70	290.00
28	1.74	244.00	36	6.63	464.00	28	5.06	361.00	22	2.79	307.00
32	2.03	270.00	40	7.42	499.00	32	5.84	398.00	26	3.30	344.00
36	2.32	293.00	44	8.21	531.00	36	6.63	433.00	23	3.53	352.00
40	2.60	315.00				40	7.42	466.00	30	3.81	379.00
44	2.89	335.00				44	8.21	496.00	27	4.18	395.00
									34	4.32	412.00
									38	4.83	442.00
									28	5.06	470.00
									42	5.34	470.00
									35	5.48	489.00
									32	5.84	489.00
									39	6.12	509.00
									36	6.63	533.00
									43	6.77	543.00
									40	7.42	574.00
									44	8.21	612.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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Key diagram showing the location of window data .

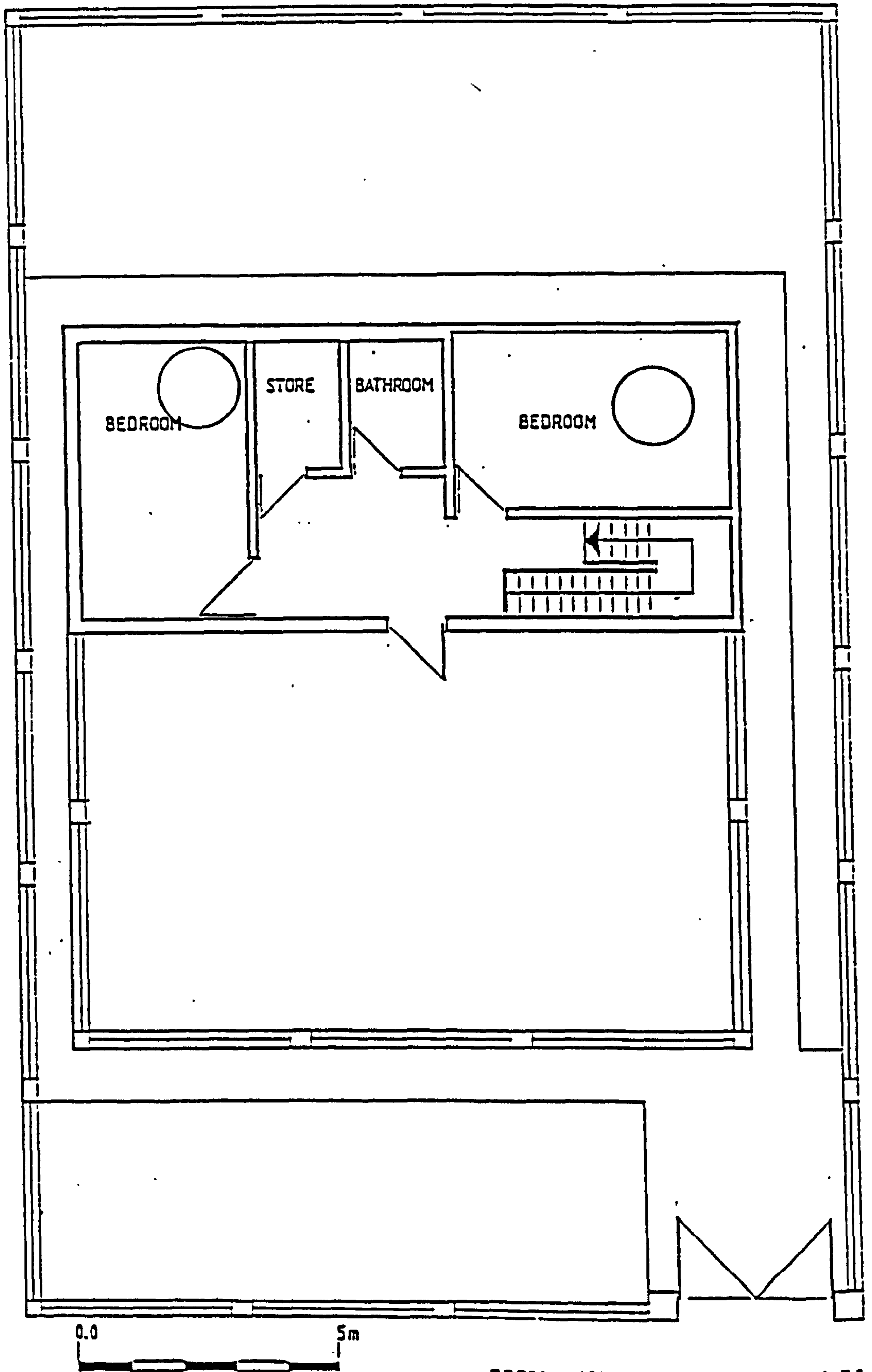


Back Wall

2 Storey

### Interhouse Distance

ORIENTATION	PAGE NO.
0.0	1418
22.5	1419
45	1420
67.5	1421
90	1422
112.5	1423
135	1424
157.5	1425
180	1426
202.5	1427
225	1428
247.5	1429
270	1430
292.5	1431
315	1432
337.5	1433



FIRST FLOOR PLAN

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 4M )		(INTER-HOUSE DISTANCE= 6M )		(INTER-HOUSE DISTANCE= 8M )		(INTER-HOUSE DISTANCE= 12M )		
WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
4	0.	94.00	4	0.	98.00	4	0.	96.00
6	0.31	96.00	6	0.31	112.00	6	0.31	109.00
7	0.38	124.00	7	0.38	130.00	7	0.38	127.00
8	0.44	141.00	8	0.44	147.00	8	0.44	144.00
11	1.41	164.00	10	1.15	149.00	11	1.41	168.00
12	1.67	186.00	11	1.41	172.00	12	1.67	190.00
15	2.65	202.00	12	1.67	194.00	15	2.65	208.00
16	3.16	230.00	15	2.65	212.00	16	3.16	235.00
19	3.93	239.00	16	3.16	240.00	19	3.93	246.00
20	4.69	272.00	19	3.93	251.00	20	4.69	279.00
23	5.21	274.00	20	4.69	284.00	23	5.21	283.00
24	6.23	313.00	23	5.21	289.00	24	6.23	321.00
28	7.76	351.00	24	6.23	327.00	28	7.76	327.00
35	9.06	369.00	34	7.28	333.00	28	7.76	362.00
32	9.29	388.00	28	7.76	368.00	35	9.06	384.00
39	10.34	396.00	35	9.06	390.00	32	9.29	400.00
36	10.83	422.00	32	9.29	406.00	39	10.34	413.00
40	12.37	454.00	39	10.34	420.00	36	10.83	437.00
44	13.91	484.00	36	10.83	443.00	43	11.62	441.00
			43	11.62	447.00	40	12.37	471.00
			40	12.37	478.00	44	13.91	504.00
			44	13.91	510.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



OP R I E N T A T I O N =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.19	49.00	1	0.19	70.00	1	0.19	72.00	1	0.85	63.00			
2	0.25	71.00	2	0.25	90.00	2	0.25	86.00	2	1.09	76.00			
3	0.31	92.00	3	0.31	104.00	3	0.31	99.00	3	1.33	89.00			
4	0.37	104.00	4	0.37	116.00	4	0.37	111.00	4	1.57	102.00			
6	0.74	106.00	6	0.74	135.00	6	0.74	128.00	6	2.49	113.00			
7	0.93	137.00	7	0.93	154.00	7	0.93	147.00	9	3.01	123.00			
8	1.12	155.00	8	1.12	173.00	8	1.12	166.00	7	3.05	133.00			
11	1.58	180.00	10	1.25	178.00	10	1.25	169.00	8	3.61	152.00			
12	1.91	205.00	11	1.58	204.00	13	1.30	175.00	11	4.79	176.00			
15	2.23	223.00	14	1.76	220.00	11	1.58	195.00	17	5.17	180.00			
16	2.70	253.00	12	1.91	227.00	17	1.67	207.00	14	5.31	185.00			
19	2.88	263.00	15	2.23	252.00	14	1.76	209.00	12	5.68	201.00			
20	3.48	300.00	18	2.28	260.00	12	1.91	220.00	21	6.25	206.00			
23	3.53	302.00	16	2.70	283.00	21	2.04	238.00	15	6.53	218.00			
27	4.18	339.00	22	2.79	299.00	15	2.23	241.00	18	6.72	219.00			
24	4.27	345.00	33	3.16	307.00	18	2.28	247.00	25	7.34	232.00			
31	4.83	373.00	26	3.30	334.00	25	2.42	266.00	16	7.76	248.00			
28	5.06	387.00	20	3.48	335.00	16	2.70	272.00	22	8.14	252.00			
35	5.48	406.00	23	3.53	342.00	29	2.79	293.00	19	8.28	258.00			
32	5.84	427.00	30	3.81	368.00	33	3.16	318.00	33	9.50	278.00			
39	6.12	436.00	27	4.18	384.00	20	3.48	322.00	26	9.55	283.00			
36	6.63	465.00	34	4.27	385.00	37	3.53	342.00	20	9.83	295.00			
40	7.42	500.00	34	4.32	400.00	30	3.81	350.00	23	10.02	297.00			
44	8.21	533.00	38	4.83	429.00	41	3.91	363.00	37	10.58	298.00			
			28	5.06	433.00	27	4.18	368.00	30	10.96	313.00			
			42	5.34	457.00	24	4.27	370.00	41	11.66	318.00			
			35	5.48	461.00	34	4.32	381.00	27	11.76	334.00			
			32	5.84	478.00	38	4.83	410.00	24	11.90	339.00			
			39	6.12	496.00	28	5.06	416.00	34	12.37	340.00			
			36	6.63	520.00	42	5.34	436.00	31	13.51	369.00			
			43	6.77	529.00	35	5.48	443.00	28	13.98	382.00			
			40	7.42	561.00	32	5.84	460.00	42	15.20	391.00			
			44	8.21	578.00	39	6.12	477.00	35	15.25	402.00			
						36	6.63	502.00	32	16.05	423.00			
						43	6.77	509.00	39	16.99	434.00			
						40	7.42	541.00	36	18.12	461.00			
						44	8.21	578.00	43	18.74	463.00			
									40	20.20	498.00			
									44	22.27	532.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S:	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S:	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S:	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S:	DAYLIGHT LUX
1	1.21	57.00	1	1.21	72.00	1	1.21	81.00	1	1.21	88.00
2	1.57	83.00	2	1.57	93.00	2	1.57	94.00	2	1.57	82.00
3	1.94	106.00	3	1.94	107.00	3	1.94	108.00	3	1.94	95.00
4	2.30	119.00	4	2.30	119.00	5	2.13	120.00	5	2.13	101.00
6	2.78	123.00	6	2.78	138.00	4	2.30	121.00	4	2.30	108.00
7	3.44	158.00	9	3.05	141.00	6	2.78	141.00	6	2.78	121.00
10	4.00	162.00	7	3.44	159.00	9	3.05	158.00	9	3.05	133.00
8	4.09	178.00	13	3.97	174.00	7	3.44	161.00	7	3.44	142.00
11	4.94	209.00	10	4.00	183.00	13	3.97	195.00	13	3.97	164.00
12	5.89	235.00	17	4.90	205.00	17	4.90	231.00	17	4.90	194.00
18	6.42	237.00	11	4.94	210.00	21	5.82	264.00	14	5.21	198.00
15	6.44	258.00	14	5.21	226.00	18	6.42	271.00	21	5.82	223.00
22	7.63	271.00	21	5.82	235.00	25	6.74	296.00	18	6.42	235.00
16	7.68	290.00	18	6.42	267.00	22	7.63	311.00	25	6.74	250.00
19	7.95	305.00	22	7.63	306.00	29	7.66	326.00	22	7.63	270.00
23	9.45	350.00	19	7.95	307.00	33	8.58	354.00	29	7.66	276.00
27	10.95	392.00	33	8.58	315.00	23	9.45	357.00	33	8.58	299.00
24	11.27	394.00	26	8.85	343.00	37	9.50	380.00	26	8.85	303.00
31	12.46	432.00	23	9.45	352.00	30	10.06	385.00	23	9.45	316.00
28	13.06	442.00	30	10.06	378.00	41	10.43	404.00	37	9.50	322.00
35	13.96	470.00	27	10.95	395.00	34	11.27	418.00	30	10.06	334.00
32	14.85	488.00	34	11.27	410.00	31	12.46	443.00	41	10.43	343.00
39	15.46	505.00	31	12.46	436.00	38	12.48	449.00	27	10.95	355.00
36	16.65	531.00	38	12.48	441.00	28	13.06	451.00	34	11.27	364.00
43	16.96	537.00	28	13.06	445.00	42	13.69	478.00	31	12.46	392.00
40	18.44	571.00	42	13.69	469.00	35	13.96	482.00	28	13.06	405.00
44	20.23	609.00	35	13.96	474.00	32	14.85	498.00	42	13.69	417.00
			32	14.85	491.00	39	15.46	518.00	35	13.96	427.00
			39	15.46	510.00	36	16.65	543.00	32	14.85	448.00
			36	16.65	535.00	43	16.96	553.00	39	15.46	461.00
			43	16.96	543.00	40	18.44	585.00	36	16.65	488.00
			40	18.44	576.00	44	20.23	624.00	43	16.96	492.00
			44	20.23	615.00				40	18.44	527.00
									44	20.23	563.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



(INTER-HOUSE DISTANCE= 4M )				(INTER-HOUSE DISTANCE= 6M )				(INTER-HOUSE DISTANCE= 8M )				(INTER-HOUSE DISTANCE= 12M )			
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	
1	1.60	66.00	1	0.73	81.00	1	1.60	81.00	1	1.60	81.00	1	1.60	73.00	
2	2.10	96.00	2	0.98	104.00	2	2.10	95.00	2	2.10	95.00	2	2.10	87.00	
5	2.52	99.00	5	1.18	120.00	5	2.52	120.00	5	2.52	120.00	5	2.52	108.00	
3	2.60	123.00	4	1.50	132.00	4	3.10	123.00	4	3.10	123.00	4	3.10	115.00	
4	3.10	137.00	6	1.58	155.00	6	3.31	142.00	6	3.31	142.00	6	3.31	130.00	
6	3.31	143.00	9	1.62	159.00	9	3.45	158.00	9	3.45	158.00	9	3.45	143.00	
7	4.11	184.00	7	2.00	176.00	7	4.11	163.00	7	4.11	163.00	7	4.11	151.00	
10	4.52	189.00	13	2.07	196.00	13	4.37	195.00	13	4.37	195.00	13	4.37	176.00	
8	4.91	204.00	10	2.19	204.00	17	5.29	231.00	17	5.29	231.00	17	5.29	208.00	
11	5.62	242.00	17	2.52	231.00	21	6.21	265.00	14	5.74	212.00	14	5.74	212.00	
12	6.73	270.00	11	2.77	233.00	18	6.95	273.00	21	6.21	239.00	21	6.21	239.00	
18	6.95	275.00	14	2.79	252.00	25	7.14	297.00	18	6.95	251.00	18	6.95	251.00	
15	7.13	299.00	21	2.96	265.00	29	8.06	326.00	25	7.14	268.00	25	7.14	268.00	
22	8.17	316.00	18	3.39	298.00	33	8.98	354.00	29	8.06	295.00	29	8.06	295.00	
16	9.54	333.00	29	3.86	326.00	37	9.91	380.00	33	8.98	321.00	33	8.98	321.00	
19	8.64	354.00	22	4.00	342.00	30	10.59	387.00	24	9.38	323.00	24	9.38	323.00	
23	10.15	406.00	33	4.30	354.00	41	10.83	404.00	37	9.91	344.00	37	9.91	344.00	
27	11.66	455.00	26	4.60	383.00	27	11.66	406.00	30	10.59	356.00	30	10.59	356.00	
31	13.17	502.00	23	5.07	390.00	34	11.81	421.00	41	10.83	366.00	41	10.83	366.00	
28	13.97	508.00	30	5.20	422.00	38	13.02	452.00	27	11.66	378.00	27	11.66	378.00	
35	14.68	545.00	34	5.81	458.00	28	13.97	459.00	34	11.81	397.00	34	11.81	397.00	
32	15.79	560.00	38	6.41	492.00	42	14.23	481.00	38	13.02	417.00	38	13.02	417.00	
39	16.19	586.00	42	7.01	523.00	35	14.68	488.00	28	13.97	430.00	28	13.97	430.00	
36	17.60	610.00	35	7.36	525.00	32	15.79	507.00	42	14.23	444.00	42	14.23	444.00	
43	17.70	623.00	32	8.03	541.00	39	16.19	524.00	35	14.68	454.00	35	14.68	454.00	
40	19.41	656.00	39	8.13	564.00	36	17.60	552.00	32	15.79	476.00	32	15.79	476.00	
44	21.22	698.00	43	8.90	601.00	43	17.70	559.00	39	16.19	489.00	39	16.19	489.00	
			40	9.90	634.00	40	19.41	594.00	36	17.60	518.00	36	17.60	518.00	
			44	10.83	676.00	44	21.22	634.00	43	17.70	521.00	43	17.70	521.00	
									40	19.41	559.00	40	19.41	559.00	
									44	21.22	596.00	44	21.22	596.00	

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M )		( INTER-HOUSE DISTANCE= 6 M )		( INTER-HOUSE DISTANCE= 8 M )		( INTER-HOUSE DISTANCE= 12 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.42	72.00	1	0.94	85.00	1	1.79	86.00
2	0.60	104.00	2	1.29	110.00	2	2.37	100.00
5	0.64	107.00	5	1.44	127.00	5	2.76	127.00
3	0.78	134.00	9	1.93	168.00	4	3.53	129.00
9	0.86	141.00	13	2.42	207.00	6	3.66	149.00
6	0.92	155.00	10	2.63	216.00	9	3.73	168.00
13	1.08	174.00	17	2.91	245.00	7	4.55	171.00
7	1.20	199.00	14	3.31	266.00	13	4.69	208.00
10	1.24	205.00	21	3.40	281.00	17	5.66	245.00
17	1.30	206.00	25	3.89	314.00	21	6.63	281.00
8	1.48	220.00	18	3.98	315.00	18	7.51	288.00
21	1.52	235.00	29	4.38	346.00	25	7.60	315.00
14	1.55	253.00	22	4.66	361.00	29	8.56	346.00
11	1.62	263.00	33	4.87	375.00	33	9.53	376.00
25	1.74	264.00	26	5.33	405.00	37	10.50	403.00
18	1.88	299.00	41	5.86	428.00	30	11.36	408.00
15	2.04	325.00	30	6.00	446.00	41	11.46	429.00
22	2.20	343.00	34	6.68	484.00	34	12.65	443.00
19	2.46	394.00	38	7.35	520.00	38	13.93	476.00
30	2.84	423.00	42	8.03	553.00	28	15.04	479.00
23	2.88	440.00	32	9.25	567.00	42	15.21	507.00
34	3.16	459.00	39	9.34	593.00	35	15.76	511.00
27	3.30	494.00	43	10.20	631.00	32	16.96	529.00
31	3.72	544.00	40	11.33	663.00	39	17.36	549.00
28	4.09	547.00	44	12.37	707.00	36	18.88	576.00
35	4.14	591.00				43	18.96	585.00
39	4.56	635.00				40	20.79	620.00
43	4.98	676.00				44	22.71	661.00
40	5.64	706.00						
44	6.16	752.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	3.54	331.00	1	1.24	81.00	1	1.24	81.00	1	2.10	73.00
42	3.12	483.00	2	1.67	104.00	2	1.67	95.00	2	2.76	87.00
43	2.90	623.00	5	2.09	120.00	5	2.09	120.00	3	3.43	101.00
44	2.76	698.00	4	2.53	132.00	4	2.53	123.00	5	3.70	108.00
			6	2.80	155.00	6	2.80	142.00	4	4.09	115.00
			9	2.93	159.00	9	2.93	158.00	6	4.86	130.00
			7	3.52	176.00	7	3.52	163.00	9	5.31	143.00
			13	3.78	196.00	13	3.78	195.00	7	6.01	151.00
			10	3.94	204.00	17	4.62	231.00	13	6.91	176.00
			17	4.62	231.00	21	5.47	265.00	17	8.51	208.00
			11	4.94	233.00	18	6.20	273.00	14	9.05	212.00
			14	5.07	252.00	25	6.31	297.00	21	10.12	239.00
			21	5.47	265.00	29	7.16	326.00	18	11.14	251.00
			18	6.20	298.00	33	8.01	354.00	25	11.72	268.00
			29	7.16	326.00	37	8.85	380.00	22	13.24	288.00
			22	7.33	342.00	30	9.60	387.00	29	13.32	295.00
			33	8.01	354.00	41	9.70	404.00	33	14.93	321.00
			26	8.46	383.00	27	10.61	406.00	26	15.33	323.00
			23	9.20	390.00	34	10.73	421.00	23	16.35	336.00
			30	9.60	422.00	38	11.86	452.00	37	16.53	344.00
			27	10.61	438.00	28	12.76	459.00	30	17.42	356.00
			34	10.73	458.00	42	12.99	481.00	41	18.13	366.00
			38	11.86	492.00	35	13.45	488.00	27	18.94	378.00
			42	12.99	523.00	32	14.47	507.00	24	19.47	383.00
			35	13.45	525.00	39	14.87	524.00	34	19.52	387.00
			32	14.47	541.00	36	16.17	552.00	31	21.52	417.00
			39	14.87	564.00	43	16.29	559.00	28	22.55	430.00
			36	16.17	589.00	40	17.88	594.00	42	23.71	444.00
			43	16.29	601.00	44	19.58	634.00	35	24.11	454.00
			40	17.88	634.00				32	25.62	476.00
			44	19.58	676.00				39	26.69	489.00
									36	28.70	518.00
									43	29.28	521.00
									40	31.78	559.00
									44	34.85	596.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	1.70	57.00	1	0.43	72.00	1	1.70	81.00	1	3.24	68.00
2	1.53	83.00	2	0.61	93.00	2	1.53	94.00	2	2.88	82.00
3	1.43	106.00	3	0.80	107.00	3	1.43	108.00	3	2.69	95.00
4	1.38	119.00	4	0.99	119.00	4	1.38	121.00	4	2.58	108.00
6	0.88	123.00	6	1.86	138.00	6	0.88	141.00	6	1.56	121.00
7	0.85	158.00	9	2.29	141.00	7	0.85	161.00	7	1.50	142.00
8	0.83	178.00	7	2.37	159.00	8	0.83	180.00	8	1.46	161.00
11	0.73	209.00	8	2.88	178.00	10	0.75	186.00	11	1.24	187.00
12	0.72	235.00	10	3.13	183.00	11	0.73	213.00	12	1.22	213.00
15	0.69	258.00	11	3.97	210.00	12	0.72	238.00	15	1.14	232.00
16	0.67	290.00	14	4.40	226.00	15	0.69	263.00	16	1.12	264.00
19	0.66	305.00	12	4.80	235.00	18	0.68	271.00	19	1.09	275.00
23	0.65	350.00	15	5.57	259.00	25	0.67	296.00	29	1.08	276.00
24	0.64	394.00	18	5.68	267.00	29	0.66	326.00	20	1.07	313.00
28	0.63	442.00	16	6.73	291.00	37	0.65	380.00	37	1.06	322.00
39	0.62	505.00	22	6.95	306.00	41	0.64	404.00	41	1.05	343.00
44	0.61	609.00	19	7.17	307.00	28	0.63	451.00	24	1.04	360.00
			33	7.98	315.00	39	0.62	518.00	34	1.03	364.00
			26	8.22	343.00	44	0.61	624.00	28	1.01	405.00
			20	8.66	345.00				32	1.00	448.00
			23	8.77	352.00				39	0.99	461.00
			30	9.50	378.00				43	0.98	492.00
			27	10.37	395.00				40	0.97	527.00
			24	10.58	396.00				44	0.96	563.00
			34	10.77	410.00						
			31	11.97	436.00						
			38	12.04	441.00						
			28	12.51	445.00						
			42	13.32	469.00						
			35	13.57	474.00						
			32	14.44	491.00						
			39	15.17	510.00						
			36	16.36	535.00						
			43	16.77	543.00						
			40	18.29	576.00						
			44	20.22	615.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	37.26	49.00	1	76.86	70.00	1	255.15	72.00	1	304.62	63.00
5	13.47	73.00	5	29.36	104.00	5	87.88	108.00	5	104.79	93.00
3	8.90	92.00	9	18.35	137.00	9	52.08	142.00	9	62.00	123.00
9	8.10	96.00	13	15.00	169.00	13	40.30	175.00	13	47.81	152.00
6	6.79	106.00	17	12.78	200.00	17	33.21	207.00	17	39.32	180.00
13	6.22	119.00	21	11.26	229.00	21	28.63	238.00	21	33.85	204.00
17	5.10	140.00	25	10.40	257.00	25	26.02	266.00	25	30.73	232.00
21	4.38	161.00	29	9.84	283.00	29	24.34	293.00	29	28.72	255.00
25	3.97	180.00	33	9.45	307.00	33	23.16	318.00	33	27.32	278.00
29	3.71	198.00	37	9.14	329.00	37	22.30	342.00	37	26.28	298.00
33	3.52	215.00	41	8.94	349.00	41	21.63	363.00	41	25.48	318.00
37	3.39	230.00	30	6.46	368.00	34	14.97	381.00	34	17.64	340.00
41	3.28	245.00	34	6.24	400.00	38	14.47	410.00	38	17.05	367.00
26	2.58	262.00	38	6.08	429.00	42	14.09	436.00	42	16.59	391.00
19	2.55	253.00	42	5.95	457.00	35	12.07	443.00	35	14.22	402.00
30	2.43	288.00	35	5.11	461.00	39	11.69	477.00	39	13.77	434.00
34	2.33	313.00	39	4.98	496.00	43	11.40	509.00	43	13.43	463.00
38	2.25	336.00	43	4.89	529.00	40	10.02	541.00	40	11.80	498.00
42	2.18	357.00	40	4.31	561.00	44	9.78	578.00	44	11.51	532.00
31	1.98	373.00	44	4.23	598.00						
35	1.90	406.00									
39	1.84	436.00									
43	1.79	464.00									
36	1.64	465.00									
40	1.59	500.00									
44	1.55	533.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 4M )		(INTER-HOUSE DISTANCE= 6M )		(INTER-HOUSE DISTANCE= 8M )		(INTER-HOUSE DISTANCE= 12M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	245.93	324.00	42	1285.50	381.00	42	1963.16	375.00	42	2513.02	347.00
43	41.28	422.00	43	214.72	447.00	43	327.19	441.00	43	417.86	414.00
40	8.98	454.00	40	46.62	478.00	40	70.83	471.00	40	90.18	445.00
44	8.94	484.00	44	46.48	510.00	44	70.72	504.00	44	90.17	476.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	49.00	1	76.86	70.00	1	115.72	72.00	1	165.19	63.00
2	0.04	71.00	5	29.85	104.00	5	42.50	108.00	5	59.40	93.00
5	0.05	73.00	9	18.80	137.00	9	26.05	142.00	9	35.97	123.00
3	0.07	92.00	13	15.42	169.00	13	20.84	175.00	13	28.35	152.00
7	0.11	96.00	17	13.16	200.00	17	17.53	207.00	17	23.64	180.00
4	0.12	104.00	21	11.60	229.00	21	15.32	238.00	21	20.53	206.00
6	0.13	106.00	25	10.72	257.00	25	14.06	266.00	25	18.77	232.00
13	0.19	119.00	29	10.15	283.00	29	13.24	293.00	29	17.63	255.00
7	0.21	137.00	33	9.75	307.00	33	12.68	318.00	33	16.83	278.00
10	0.26	140.00	37	9.46	329.00	37	12.26	342.00	37	16.24	298.00
8	0.32	155.00	41	9.23	349.00	41	11.94	363.00	41	15.79	318.00
21	0.40	161.00	30	6.66	368.00	34	8.33	381.00	34	11.01	340.00
11	0.41	180.00	34	6.44	400.00	38	8.10	410.00	38	10.67	367.00
12	0.60	205.00	38	6.27	429.00	42	7.91	436.00	42	10.41	391.00
15	0.65	223.00	42	6.14	457.00	35	6.80	443.00	35	8.95	402.00
22	0.81	233.00	35	5.26	461.00	39	6.62	477.00	39	8.70	434.00
16	0.92	253.00	39	5.13	496.00	43	6.47	509.00	43	8.50	463.00
19	0.93	263.00	43	5.04	529.00	40	5.71	541.00	40	7.49	498.00
30	1.23	283.00	40	4.44	561.00	44	5.60	578.00	44	7.33	532.00
23	1.24	302.00	44	4.36	598.00						
34	1.44	313.00									
27	1.55	339.00									
24	1.72	345.00									
31	1.86	373.00									
28	2.15	387.00									
35	2.17	406.00									
39	2.48	436.00									
43	2.79	464.00									
36	2.99	455.00									
40	3.41	500.00									
44	3.83	533.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

OPTIMIZATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT .Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT .Y	DAYLIGHT LUX
1	0.50	57.00	1	0.50	72.00	1	1.46	81.00	1	2.78	68.00
2	0.70	83.00	2	0.70	93.00	2	1.34	94.00	2	2.52	82.00
3	0.91	106.00	3	0.91	107.00	3	1.27	108.00	3	2.38	95.00
4	1.12	119.00	4	1.12	119.00	4	1.23	121.00	4	2.29	108.00
6	1.50	123.00	6	1.50	138.00	6	0.82	141.00	6	1.45	121.00
7	1.92	158.00	9	1.65	141.00	7	0.80	161.00	7	1.40	142.00
10	2.29	162.00	7	1.92	159.00	8	0.78	180.00	8	1.37	161.00
8	2.35	178.00	13	2.22	174.00	10	0.71	186.00	11	1.18	187.00
11	2.94	209.00	10	2.29	183.00	11	0.69	213.00	12	1.15	213.00
12	3.58	235.00	17	2.80	205.00	12	0.68	238.00	15	1.09	232.00
18	3.88	237.00	11	2.94	210.00	21	0.65	264.00	16	1.07	264.00
15	3.95	258.00	14	3.09	226.00	25	0.64	296.00	19	1.04	275.00
22	4.68	271.00	21	3.38	235.00	29	0.63	326.00	29	1.03	276.00
16	4.82	290.00	18	3.88	267.00	37	0.62	380.00	20	1.02	313.00
19	4.97	305.00	29	4.53	290.00	34	0.61	418.00	37	1.01	322.00
23	5.98	350.00	22	4.68	306.00	32	0.60	498.00	41	1.00	343.00
27	7.00	392.00	19	4.97	307.00	40	0.59	585.00	24	0.99	360.00
24	7.28	394.00	33	5.11	315.00	44	0.58	624.00	34	0.98	364.00
31	8.01	432.00	26	5.47	343.00				28	0.97	405.00
28	8.52	442.00	23	5.98	352.00				32	0.96	448.00
35	9.02	470.00	41	6.26	359.00				37	0.95	461.00
32	9.75	488.00	30	6.27	378.00				43	0.94	492.00
39	10.04	505.00	27	7.00	395.00				44	0.93	563.00
36	10.98	531.00	34	7.06	410.00						
43	11.05	537.00	38	7.86	441.00						
40	12.22	571.00	28	8.52	445.00						
44	13.45	609.00	42	8.66	469.00						
			35	9.02	474.00						
			32	9.75	491.00						
			39	10.04	510.00						
			36	10.98	535.00						
			43	11.05	543.00						
			40	12.22	576.00						
			44	13.45	615.00						

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX
1	1.24	66.00	1	1.24	81.00	1	1.24	81.00	1	2.10	73.00
2	1.67	96.00	2	1.67	104.00	2	1.67	95.00	2	2.76	87.00
5	2.09	99.00	5	2.09	120.00	5	2.09	120.00	3	3.43	101.00
3	2.10	123.00	4	2.53	132.00	4	2.53	123.00	5	3.70	108.00
4	2.53	137.00	6	2.80	155.00	6	2.80	142.00	4	4.09	115.00
6	2.80	143.00	9	2.93	159.00	9	2.93	158.00	6	4.86	130.00
7	3.52	184.00	7	3.52	176.00	7	3.52	163.00	9	5.31	143.00
10	3.94	189.00	13	3.78	196.00	13	3.78	195.00	7	6.01	151.00
8	4.24	204.00	10	3.94	204.00	17	4.62	231.00	13	6.91	176.00
11	4.94	242.00	17	4.62	231.00	21	5.47	265.00	17	8.51	208.00
12	5.94	270.00	11	4.94	233.00	19	6.20	273.00	14	9.05	212.00
18	6.20	275.00	14	5.07	252.00	25	6.31	297.00	21	10.12	239.00
15	6.36	299.00	21	5.47	265.00	29	7.16	326.00	18	11.14	251.00
22	7.33	316.00	18	6.20	298.00	33	8.01	354.00	25	11.72	268.00
16	7.65	333.00	29	7.16	326.00	37	8.85	380.00	22	13.24	288.00
19	7.78	354.00	22	7.33	342.00	30	9.60	387.00	29	13.32	295.00
23	9.20	406.00	33	8.01	354.00	41	9.70	404.00	33	14.93	321.00
27	10.61	455.00	26	8.46	383.00	27	10.61	406.00	26	15.33	323.00
31	12.03	502.00	23	9.20	390.00	34	10.73	421.00	23	16.35	336.00
28	12.76	508.00	30	9.60	422.00	38	11.86	452.00	37	16.53	344.00
35	13.45	545.00	27	10.61	438.00	28	12.76	459.00	30	17.42	356.00
32	14.47	560.00	34	10.73	458.00	42	12.99	481.00	41	18.13	366.00
39	14.87	586.00	38	11.86	492.00	35	13.45	488.00	27	18.94	378.00
36	16.17	610.00	42	12.99	523.00	32	14.47	507.00	24	19.47	383.00
43	16.29	623.00	35	13.45	525.00	39	14.87	524.00	34	19.52	387.00
40	17.88	656.00	32	14.47	541.00	36	16.17	552.00	31	21.52	417.00
44	19.58	698.00	39	14.87	564.00	43	16.29	559.00	28	22.55	430.00
			36	16.17	589.00	40	17.88	594.00	42	23.71	444.00
			43	16.29	601.00	44	19.58	634.00	35	24.11	454.00
			40	17.88	634.00				32	25.62	476.00
			44	19.58	676.00				39	26.69	489.00
									36	28.70	518.00
									43	29.28	521.00
									40	31.78	559.00
									44	34.85	596.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX
1	0.94	72.00	1	1.79	86.00	1	1.79	86.00	1	3.48	72.00
2	1.29	104.00	2	2.37	110.00	2	2.37	100.00	2	4.51	86.00
5	1.44	107.00	5	2.76	127.00	5	2.76	127.00	5	5.47	107.00
3	1.63	134.00	4	3.53	138.00	4	3.53	129.00	4	6.56	115.00
9	1.93	141.00	6	3.66	164.00	6	3.66	149.00	6	7.08	128.00
6	1.96	155.00	9	3.73	168.00	9	3.73	168.00	9	7.46	141.00
13	2.42	174.00	7	4.55	185.00	7	4.55	171.00	7	8.70	150.00
7	2.49	199.00	13	4.69	207.00	13	4.69	208.00	13	9.45	174.00
10	2.63	205.00	10	4.94	216.00	17	5.66	245.00	17	11.44	205.00
17	2.91	206.00	17	5.66	245.00	21	6.63	281.00	14	12.24	210.00
8	3.01	220.00	14	6.22	266.00	18	7.51	288.00	21	13.43	235.00
14	3.31	253.00	21	6.63	281.00	25	7.60	315.00	18	14.82	248.00
11	3.34	263.00	18	7.51	315.00	29	8.56	346.00	25	15.42	264.00
25	3.89	264.00	29	8.56	346.00	33	9.53	376.00	22	17.40	285.00
18	3.98	299.00	22	8.79	361.00	37	10.50	403.00	29	17.41	291.00
15	4.20	325.00	33	9.53	375.00	30	11.36	408.00	33	19.40	316.00
22	4.66	343.00	26	10.08	405.00	41	11.46	429.00	26	19.97	319.00
19	5.06	384.00	23	10.96	410.00	34	12.65	443.00	23	21.36	334.00
23	5.91	440.00	30	11.36	446.00	38	13.93	476.00	37	21.39	339.00
34	6.68	459.00	27	12.56	460.00	28	15.04	479.00	30	22.55	352.00
27	6.77	494.00	34	12.65	484.00	42	15.21	507.00	41	23.38	361.00
31	7.63	544.00	38	13.93	520.00	35	15.76	511.00	27	24.53	375.00
28	8.21	547.00	42	15.21	553.00	32	16.96	529.00	34	25.13	383.00
35	8.48	591.00	32	16.96	567.00	39	17.36	549.00	31	27.69	414.00
32	9.25	604.00	39	17.36	593.00	36	18.88	576.00	29	29.08	428.00
39	9.34	635.00	36	18.88	617.00	43	18.96	585.00	42	30.28	439.00
43	10.20	676.00	43	18.96	631.00	40	20.79	620.00	35	30.86	451.00
40	11.33	706.00	40	20.79	663.00	44	22.71	661.00	32	32.83	473.00
44	12.37	752.00	44	22.71	707.00				39	34.02	485.00
									36	36.59	516.00
									43	37.19	517.00
									40	40.34	556.00
									44	44.09	593.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.73	66.00	1	1.60	81.00	1	1.60	81.00	1	3.60	73.00
2	0.98	96.00	2	2.10	104.00	2	2.10	95.00	2	4.62	87.00
5	1.18	99.00	5	2.52	120.00	5	2.52	120.00	5	5.54	108.00
3	1.24	123.00	4	3.10	132.00	4	3.10	123.00	4	6.68	115.00
4	1.50	137.00	6	3.31	155.00	6	3.31	142.00	6	7.13	130.00
6	1.58	143.00	9	3.45	159.00	9	3.45	158.00	9	7.49	143.00
7	2.00	184.00	7	4.11	176.00	7	4.11	163.00	7	8.72	151.00
10	2.19	189.00	13	4.37	196.00	13	4.37	195.00	13	9.43	176.00
8	2.43	204.00	10	4.52	204.00	17	5.29	231.00	17	11.38	208.00
11	2.77	242.00	17	5.29	231.00	21	6.21	265.00	14	12.14	212.00
12	3.36	270.00	11	5.62	233.00	18	6.95	273.00	21	13.32	239.00
18	3.39	275.00	14	5.74	252.00	25	7.14	297.00	18	14.65	251.00
15	3.53	299.00	21	6.21	265.00	29	8.06	326.00	25	15.27	268.00
22	4.00	316.00	18	6.95	298.00	33	8.98	354.00	22	17.16	288.00
19	4.30	354.00	29	8.06	326.00	37	9.91	390.00	29	17.21	295.00
23	5.07	406.00	22	8.17	342.00	30	10.59	387.00	33	19.16	321.00
34	5.81	423.00	33	8.98	354.00	41	10.83	404.00	26	19.66	323.00
27	5.83	455.00	26	9.38	383.00	27	11.66	406.00	23	21.02	336.00
31	6.60	502.00	23	10.15	390.00	34	11.81	421.00	37	21.11	344.00
28	7.10	508.00	30	10.59	422.00	38	13.02	452.00	30	22.17	356.00
35	7.35	545.00	27	11.66	438.00	28	13.97	459.00	41	23.05	365.00
32	8.03	560.00	34	11.81	458.00	42	14.23	481.00	27	24.10	378.00
39	8.13	586.00	38	13.02	492.00	35	14.68	488.00	34	24.68	387.00
43	8.90	623.00	42	14.23	523.00	32	15.79	507.00	31	27.17	417.00
40	9.90	656.00	35	14.68	525.00	39	16.19	524.00	28	28.56	430.00
44	10.83	698.00	32	15.79	541.00	36	17.60	552.00	42	29.69	444.00
			39	16.19	564.00	43	17.70	559.00	35	30.25	454.00
			36	17.60	589.00	40	19.41	594.00	32	32.21	476.00
			43	17.70	601.00	44	21.22	634.00	39	33.32	489.00
			40	19.41	634.00				36	35.86	518.00
			44	21.22	676.00				43	36.39	521.00
									40	39.50	550.00
									44	43.15	576.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	57.00	1	1.21	72.00	1	1.21	81.00	1	1.21	88.00
2	0.45	83.00	2	1.57	93.00	2	1.57	94.00	2	1.57	82.00
3	0.58	106.00	3	1.94	107.00	3	1.94	108.00	3	1.94	95.00
4	0.70	119.00	4	2.30	119.00	5	2.13	120.00	5	2.13	101.00
6	0.87	123.00	6	2.78	138.00	4	2.30	121.00	4	2.30	108.00
7	1.11	158.00	9	3.05	141.00	6	2.78	141.00	6	2.78	121.00
10	1.28	162.00	7	3.44	159.00	9	3.05	158.00	9	3.05	133.00
8	1.35	178.00	13	3.97	174.00	7	3.44	161.00	7	3.44	142.00
11	1.64	209.00	10	4.00	183.00	13	3.97	195.00	13	3.97	164.00
12	2.00	235.00	17	4.90	205.00	17	4.90	231.00	17	4.90	194.00
18	2.11	237.00	11	4.94	210.00	21	5.82	264.00	14	5.21	198.00
15	2.18	258.00	14	5.21	226.00	18	6.42	271.00	21	5.82	223.00
22	2.52	271.00	21	5.82	235.00	25	6.74	296.00	18	6.42	235.00
16	2.65	290.00	18	6.42	267.00	22	7.63	311.00	25	6.74	250.00
19	2.71	305.00	22	7.63	306.00	29	7.66	326.00	22	7.63	270.00
23	3.24	350.00	19	7.95	307.00	33	8.58	354.00	29	7.66	276.00
34	3.76	363.00	33	8.58	315.00	23	9.45	357.00	33	8.58	299.00
27	3.77	392.00	26	8.85	343.00	37	9.50	380.00	26	8.85	303.00
24	3.96	394.00	23	9.45	352.00	30	10.06	385.00	23	9.45	316.00
31	4.30	432.00	30	10.06	378.00	41	10.43	404.00	37	9.50	322.00
20	4.61	442.00	27	10.95	395.00	34	11.27	418.00	30	10.06	334.00
35	4.84	470.00	34	11.27	410.00	31	12.46	443.00	41	10.43	343.00
32	5.26	488.00	31	12.46	436.00	38	12.48	449.00	27	10.95	355.00
39	5.37	505.00	38	12.48	441.00	28	13.06	451.00	34	11.27	364.00
43	5.90	537.00	28	13.06	445.00	42	13.69	478.00	31	12.46	392.00
40	6.56	571.00	42	13.69	459.00	35	13.96	482.00	28	13.06	405.00
44	7.21	609.00	35	13.96	474.00	32	14.85	498.00	42	13.69	417.00
			32	14.85	491.00	39	15.46	518.00	35	13.96	427.00
			37	15.46	510.00	36	16.65	543.00	32	14.85	448.00
			36	16.65	535.00	43	16.96	553.00	39	15.46	461.00
			43	16.96	543.00	40	18.44	585.00	36	16.65	488.00
			40	18.44	576.00	44	20.23	624.00	43	16.96	492.00
			44	20.23	615.00				40	18.44	527.00
									44	20.23	563.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

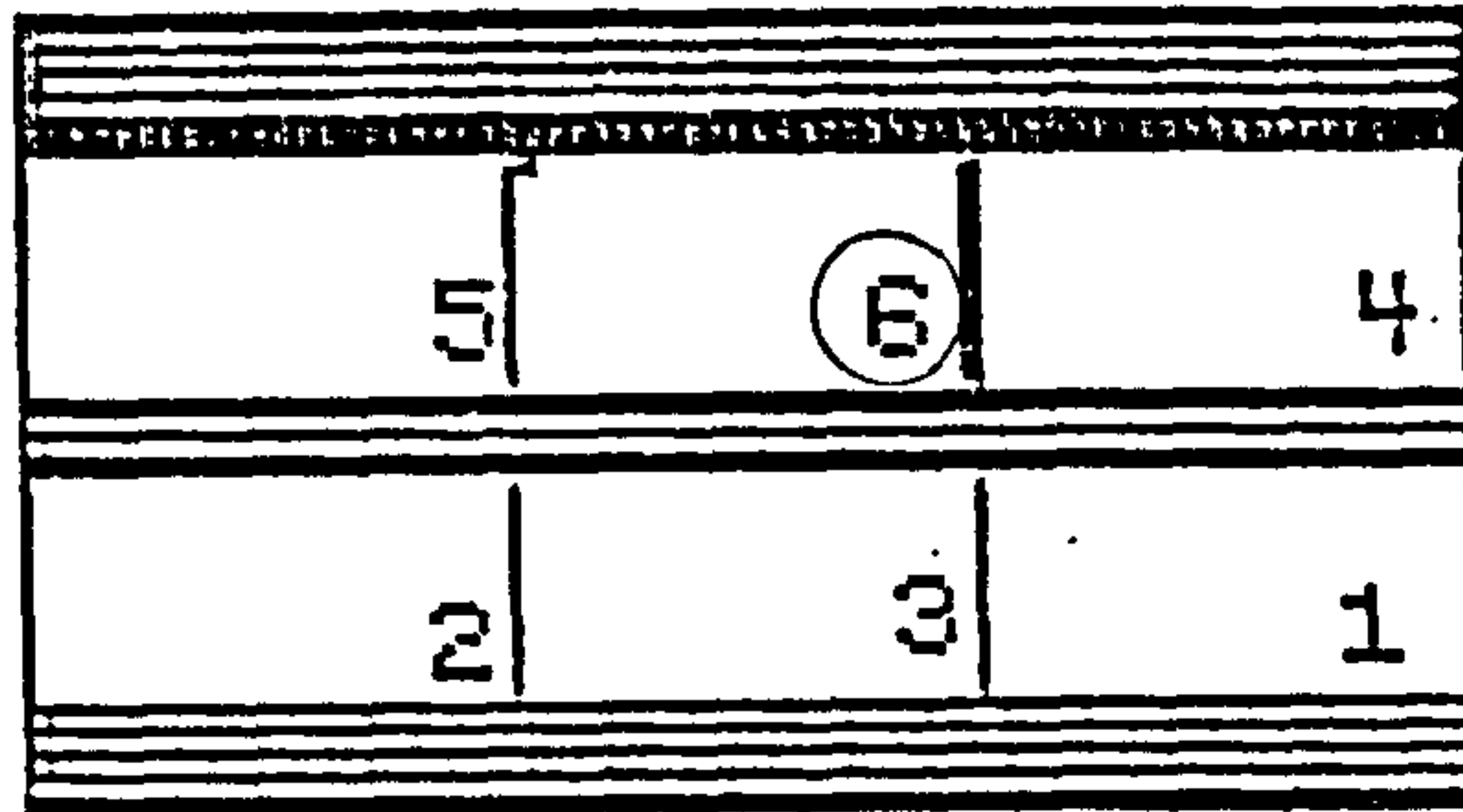


ORIENTATION =

( INTER-HOUSE DISTANCE= 4 M ) ( INTER-HOUSE DISTANCE= 6 M ) ( INTER-HOUSE DISTANCE= 8 M ) ( INTER-HOUSE DISTANCE= 12 M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.19	49.00	1	0.19	70.00	1	0.19	72.00	1	0.85	63.00
2	0.25	71.00	2	0.25	90.00	2	0.25	86.00	2	1.09	76.00
3	0.31	92.00	3	0.31	104.00	3	0.31	99.00	3	1.33	89.00
4	0.37	104.00	4	0.37	116.00	4	0.37	111.00	4	1.57	102.00
6	0.74	106.00	6	0.74	135.00	6	0.74	128.00	6	2.49	113.00
7	0.93	137.00	7	0.93	154.00	7	0.93	147.00	7	3.01	123.00
8	1.12	155.00	8	1.12	173.00	8	1.12	166.00	8	3.05	133.00
11	1.58	180.00	10	1.25	178.00	10	1.25	169.00	11	3.61	152.00
12	1.91	205.00	11	1.58	204.00	11	1.58	175.00	17	4.79	176.00
15	2.23	223.00	14	1.76	220.00	14	1.76	195.00	17	5.17	180.00
16	2.70	253.00	12	1.91	229.00	12	1.91	207.00	14	5.31	195.00
19	2.88	263.00	15	2.23	252.00	15	2.23	209.00	12	5.68	201.00
20	3.48	300.00	18	2.28	260.00	18	2.28	220.00	21	6.25	206.00
23	3.53	302.00	16	2.70	283.00	16	2.70	238.00	15	6.53	218.00
27	4.18	339.00	22	2.79	298.00	22	2.79	241.00	18	6.72	219.00
24	4.27	345.00	33	3.16	307.00	33	3.16	247.00	25	7.34	232.00
31	4.83	373.00	26	3.30	334.00	26	3.30	266.00	16	7.76	248.00
28	5.06	387.00	20	3.48	335.00	20	3.48	272.00	22	8.14	252.00
35	5.48	406.00	23	3.53	342.00	23	3.53	273.00	19	8.28	258.00
32	5.84	427.00	30	3.81	368.00	30	3.81	318.00	33	9.50	278.00
37	6.12	435.00	27	4.18	394.00	27	4.18	322.00	26	9.55	283.00
36	6.63	465.00	37	4.27	385.00	37	4.27	342.00	20	9.83	295.00
40	7.42	500.00	34	4.32	400.00	34	4.32	350.00	23	10.02	297.00
44	8.21	533.00	38	4.83	429.00	38	4.83	363.00	37	10.58	298.00
			28	5.06	433.00	28	5.06	368.00	30	10.96	313.00
			42	5.34	457.00	42	5.34	370.00	41	11.66	318.00
			35	5.48	461.00	35	5.48	391.00	27	11.76	334.00
			32	5.84	478.00	32	5.84	410.00	24	11.90	339.00
			37	6.12	496.00	37	6.12	416.00	34	12.37	340.00
			36	6.63	520.00	36	6.63	436.00	31	13.51	369.00
			43	6.77	529.00	43	6.77	443.00	28	13.98	382.00
			40	7.42	561.00	40	7.42	460.00	42	15.20	391.00
			44	8.21	598.00	44	8.21	477.00	35	15.25	402.00
								502.00	32	16.05	423.00
								509.00	39	16.99	434.00
								541.00	36	18.12	461.00
								578.00	43	18.74	463.00
									40	20.20	498.00
									44	22.27	532.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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Key diagram showing the location  
of window data .

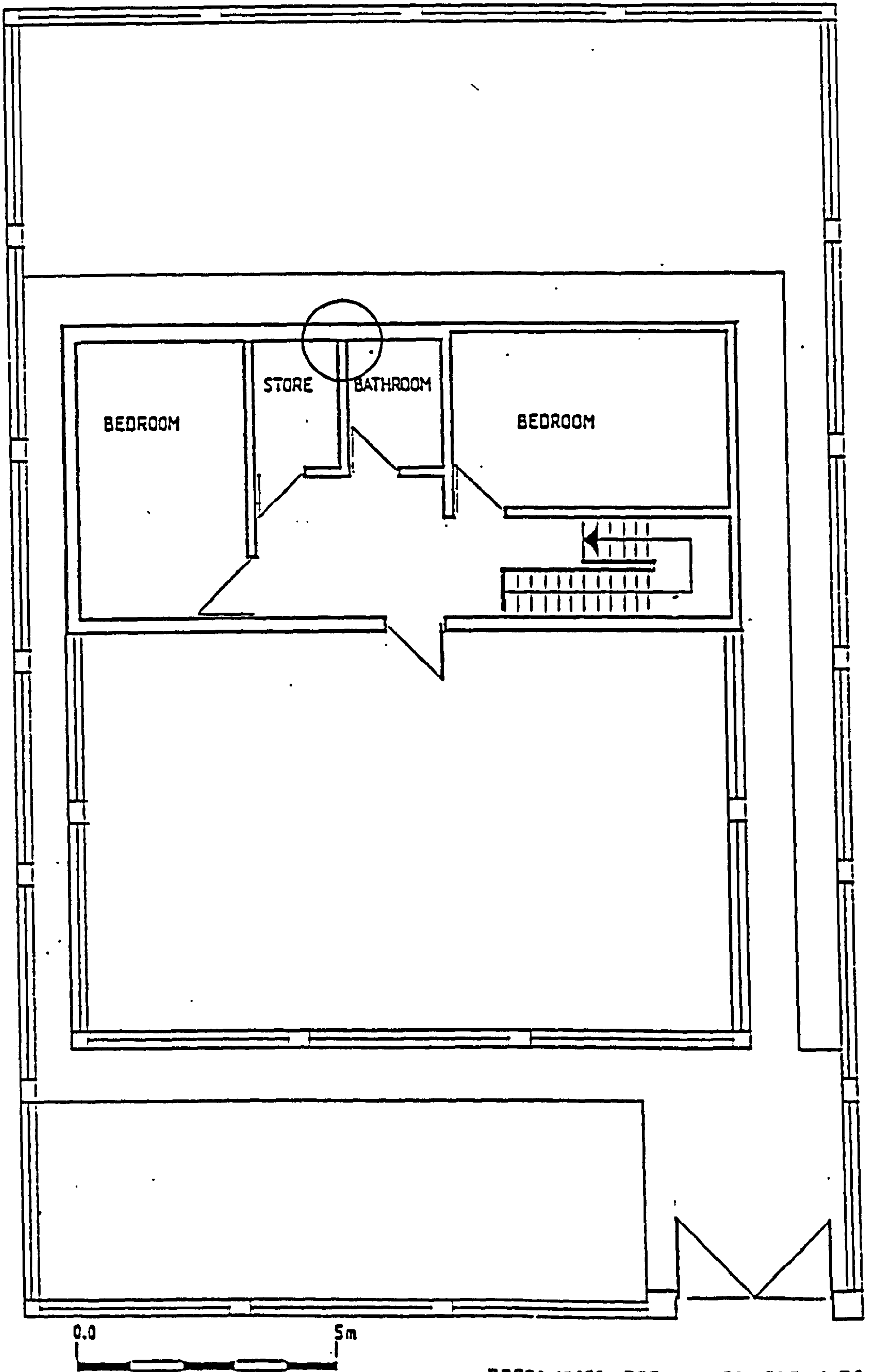
Back Wall  
2 Storey

Interhouse Distance

4, 6, 8 and 12m.

ORIENTATION	PAGE NO.
0.0	1436
22.5	1437
45	1438
67.5	1439
90	1440
112.5	1441
135	1442
157.5	1443
180	1444
202.5	1445
225	1446
247.5	1447
270	1448
292.5	1449
315	1450
337.5	1451





FIRST FLOOR PLAN

OR I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M )		( INTER-HOUSE DISTANCE= 6M )		( INTER-HOUSE DISTANCE= 8M )		( INTER-HOUSE DISTANCE= 12M )					
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	94.00	4	0.	98.00	4	0.	96.00	4	0.	90.00
6	0.31	96.00	6	0.31	112.00	6	0.31	109.00	6	0.31	100.00
7	0.38	124.00	7	0.38	130.00	7	0.38	127.00	7	0.38	118.00
8	0.44	141.00	8	0.44	147.00	8	0.44	144.00	8	0.44	134.00
11	1.41	164.00	10	1.15	148.00	11	1.41	168.00	11	1.41	156.00
12	1.67	186.00	11	1.41	172.00	12	1.67	190.00	12	1.67	178.00
15	2.65	202.00	12	1.67	194.00	15	2.65	208.00	15	2.65	193.00
16	3.16	230.00	15	2.65	212.00	16	3.16	235.00	16	3.16	220.00
19	3.93	239.00	16	3.16	240.00	19	3.93	246.00	19	3.93	229.00
20	4.69	272.00	19	3.93	251.00	20	4.69	279.00	20	4.69	262.00
23	5.21	274.00	20	4.69	284.00	23	5.21	293.00	23	5.21	263.00
24	6.23	313.00	23	5.21	289.00	24	6.23	321.00	24	6.23	301.00
28	7.76	351.00	24	6.23	327.00	28	7.76	362.00	28	7.76	302.00
35	9.06	369.00	34	7.28	333.00	35	9.06	384.00	35	9.06	358.00
32	9.29	388.00	28	7.76	368.00	32	9.29	400.00	32	9.29	376.00
39	10.34	396.00	35	9.06	390.00	39	10.34	413.00	39	10.34	387.00
36	10.83	422.00	32	9.29	406.00	36	10.83	437.00	36	10.83	411.00
40	12.37	454.00	39	10.34	420.00	40	12.37	471.00	40	12.37	445.00
44	13.91	484.00	36	10.83	443.00	44	13.91	504.00	44	13.91	476.00
			43	11.62	447.00						
			40	12.37	478.00						
			44	13.91	510.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.19	49.00	1	0.19	70.00	1	0.19	72.00	1	0.95	63.00
2	0.25	71.00	2	0.25	90.00	2	0.25	86.00	2	1.09	76.00
3	0.31	92.00	3	0.31	104.00	3	0.31	99.00	3	1.33	99.00
4	0.37	104.00	4	0.37	116.00	4	0.37	111.00	4	1.57	102.00
6	0.74	106.00	6	0.74	135.00	6	0.74	128.00	6	2.49	113.00
7	0.93	137.00	7	0.93	154.00	7	0.93	147.00	7	3.01	123.00
8	1.12	155.00	8	1.12	173.00	8	1.12	166.00	8	3.05	133.00
11	1.58	180.00	10	1.25	178.00	10	1.25	169.00	11	3.61	152.00
12	1.91	205.00	11	1.58	204.00	11	1.58	175.00	12	4.77	176.00
15	2.23	223.00	14	1.76	220.00	14	1.76	195.00	15	5.17	180.00
16	2.70	253.00	12	1.91	229.00	12	1.91	207.00	16	5.31	185.00
19	2.88	263.00	15	2.23	252.00	15	2.23	209.00	17	5.68	201.00
20	3.48	300.00	18	2.28	260.00	18	2.28	220.00	19	6.25	206.00
23	3.53	302.00	16	2.70	283.00	16	2.70	238.00	20	6.53	218.00
27	4.18	339.00	22	2.79	298.00	22	2.79	241.00	21	6.72	219.00
24	4.27	345.00	33	3.16	307.00	33	3.16	247.00	23	7.34	232.00
31	4.83	373.00	26	3.30	334.00	26	3.30	266.00	24	7.76	248.00
28	5.06	387.00	20	3.48	335.00	20	3.48	272.00	25	8.14	252.00
35	5.48	406.00	23	3.53	342.00	23	3.53	293.00	26	8.28	258.00
32	5.84	427.00	30	3.81	368.00	30	3.81	318.00	27	9.50	278.00
39	6.12	436.00	30	4.18	394.00	30	4.18	322.00	28	9.55	283.00
36	6.63	455.00	27	4.27	385.00	27	4.27	342.00	29	9.83	295.00
40	7.42	500.00	34	4.32	400.00	34	4.32	350.00	30	10.02	297.00
44	8.21	533.00	38	4.63	429.00	38	4.63	363.00	31	10.58	298.00
			28	5.06	433.00	28	5.06	368.00	32	10.96	313.00
			42	5.34	457.00	42	5.34	370.00	33	11.66	318.00
			35	5.48	461.00	35	5.48	381.00	34	11.76	334.00
			32	5.84	478.00	32	5.84	410.00	35	11.90	339.00
			39	6.12	496.00	39	6.12	416.00	36	12.37	340.00
			36	6.63	520.00	42	6.63	436.00	37	13.51	369.00
			43	6.77	529.00	35	6.77	443.00	38	13.98	382.00
			40	7.42	561.00	32	7.42	460.00	39	15.20	391.00
			44	8.21	598.00	39	8.21	477.00	40	15.25	402.00
						36	6.63	502.00	41	16.05	423.00
						43	6.77	509.00	42	16.99	434.00
						40	7.42	541.00	43	18.12	461.00
						44	8.21	578.00	44	18.74	463.00
									40	20.20	498.00
									44	22.27	532.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	1.21	57.00	1	1.21	72.00	1	1.21	81.00	1	1.21	68.00			
2	1.57	83.00	2	1.57	93.00	2	1.57	94.00	2	1.57	82.00			
3	1.94	106.00	3	1.94	107.00	3	1.94	108.00	3	1.94	95.00			
4	2.30	119.00	4	2.30	119.00	5	2.13	120.00	5	2.13	101.00			
6	2.78	123.00	6	2.78	138.00	4	2.30	121.00	4	2.30	108.00			
7	3.44	158.00	9	3.05	141.00	6	2.78	141.00	6	2.78	121.00			
10	4.00	162.00	7	3.44	159.00	9	3.05	158.00	9	3.05	133.00			
8	4.09	178.00	13	3.97	174.00	7	3.44	161.00	7	3.44	142.00			
11	4.94	209.00	10	4.00	183.00	13	3.97	195.00	13	3.97	164.00			
12	5.89	235.00	17	4.90	205.00	17	4.90	231.00	17	4.90	194.00			
18	6.42	237.00	11	4.94	210.00	21	5.82	264.00	14	5.21	198.00			
15	6.44	258.00	14	5.21	226.00	18	6.42	271.00	21	5.82	223.00			
22	7.63	271.00	21	5.82	235.00	25	6.74	296.00	18	6.42	235.00			
16	7.68	290.00	18	6.42	267.00	22	7.63	311.00	25	6.74	250.00			
19	7.95	305.00	22	7.63	306.00	29	7.66	326.00	22	7.63	270.00			
23	9.45	350.00	19	7.95	307.00	33	8.58	354.00	29	7.66	276.00			
27	10.95	392.00	33	8.58	315.00	23	9.45	357.00	33	8.58	299.00			
24	11.27	394.00	26	8.85	343.00	37	9.50	380.00	26	8.85	303.00			
31	12.46	432.00	23	9.45	352.00	30	10.06	385.00	23	9.45	316.00			
28	13.06	442.00	30	10.06	378.00	41	10.43	404.00	37	9.50	322.00			
35	13.76	470.00	27	10.95	395.00	41	10.43	418.00	37	9.50	334.00			
32	14.85	488.00	34	11.27	410.00	31	12.46	443.00	30	10.06	343.00			
39	15.46	505.00	31	12.46	436.00	38	12.48	449.00	27	10.95	355.00			
36	16.65	531.00	38	12.48	441.00	28	13.06	451.00	34	11.27	364.00			
43	16.96	537.00	28	13.06	445.00	42	13.69	478.00	31	12.46	392.00			
40	18.44	571.00	42	13.69	469.00	35	13.96	482.00	28	13.06	405.00			
44	20.23	609.00	35	13.96	474.00	32	14.85	498.00	42	13.69	417.00			
			39	14.85	471.00	39	15.46	518.00	35	13.96	427.00			
			37	15.46	510.00	36	16.65	543.00	32	14.85	448.00			
			36	16.65	535.00	43	16.96	553.00	39	15.46	461.00			
			43	16.96	543.00	40	18.44	585.00	36	16.65	488.00			
			40	18.44	576.00	44	20.23	624.00	43	16.96	492.00			
			44	20.23	615.00				40	18.44	527.00			
									44	20.23	563.00			

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	1.50	66.00	1	0.73	81.00	1	1.60	81.00	1	1.60	73.00	1	1.60	73.00
2	2.10	96.00	2	0.98	104.00	2	2.10	95.00	2	2.10	87.00	2	2.10	87.00
5	2.52	99.00	5	1.18	120.00	5	2.52	120.00	5	2.52	108.00	5	2.52	108.00
3	2.60	123.00	4	1.50	132.00	4	3.10	123.00	4	3.10	115.00	4	3.10	115.00
4	3.10	137.00	6	1.58	155.00	6	3.31	142.00	6	3.31	130.00	6	3.31	130.00
6	3.31	143.00	9	1.62	159.00	9	3.45	158.00	9	3.45	143.00	9	3.45	143.00
7	4.11	184.00	7	2.00	176.00	7	4.11	163.00	7	4.11	151.00	7	4.11	151.00
10	4.52	189.00	13	2.07	196.00	13	4.37	195.00	13	4.37	176.00	13	4.37	176.00
8	4.91	204.00	10	2.19	204.00	17	5.29	231.00	17	5.29	208.00	17	5.29	208.00
11	5.62	242.00	17	2.52	231.00	21	6.21	265.00	14	5.74	212.00	14	5.74	212.00
12	6.73	270.00	11	2.77	233.00	18	6.95	273.00	21	6.21	239.00	21	6.21	239.00
18	6.95	275.00	14	2.79	252.00	25	7.14	297.00	18	6.95	251.00	18	6.95	251.00
15	7.13	299.00	21	2.95	265.00	29	8.06	326.00	25	7.14	268.00	25	7.14	268.00
22	8.17	316.00	18	3.39	298.00	33	8.98	354.00	29	8.06	295.00	29	8.06	295.00
16	8.54	333.00	29	3.86	326.00	37	9.91	380.00	33	8.99	321.00	33	8.99	321.00
19	8.64	354.00	22	4.00	342.00	30	10.59	387.00	26	9.38	323.00	26	9.38	323.00
23	10.15	406.00	33	4.30	354.00	41	10.83	404.00	37	9.91	344.00	37	9.91	344.00
27	11.66	455.00	26	4.60	383.00	27	11.66	406.00	30	10.59	356.00	30	10.59	356.00
31	13.17	502.00	23	5.07	390.00	34	11.81	421.00	41	10.83	366.00	41	10.83	366.00
28	13.97	508.00	30	5.20	422.00	38	13.02	452.00	27	11.66	378.00	27	11.66	378.00
35	14.68	545.00	34	5.81	458.00	28	13.97	459.00	34	11.81	387.00	34	11.81	387.00
32	15.79	560.00	38	6.41	492.00	42	14.23	481.00	38	13.02	417.00	38	13.02	417.00
39	16.19	586.00	42	7.01	523.00	35	14.68	488.00	28	13.97	430.00	28	13.97	430.00
36	17.60	610.00	35	7.36	525.00	32	15.79	507.00	42	14.23	444.00	42	14.23	444.00
43	17.70	623.00	32	8.03	541.00	39	16.19	524.00	35	14.68	454.00	35	14.68	454.00
40	19.41	656.00	39	8.13	564.00	36	17.60	552.00	32	15.79	476.00	32	15.79	476.00
44	21.22	698.00	43	8.90	601.00	43	17.70	559.00	39	16.19	489.00	39	16.19	489.00
			40	9.90	634.00	40	19.41	594.00	36	17.60	518.00	36	17.60	518.00
			44	10.83	676.00	44	21.22	634.00	43	17.70	521.00	43	17.70	521.00
									40	19.41	559.00	40	19.41	559.00
									44	21.22	576.00	44	21.22	576.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.42	72.00	1	0.94	86.00	1	1.79	86.00	1	3.48	72.00
2	0.60	104.00	2	1.29	110.00	2	2.37	100.00	2	4.51	85.00
5	0.54	107.00	5	1.44	127.00	5	2.76	127.00	5	5.47	107.00
3	0.78	134.00	9	1.93	168.00	4	3.53	129.00	4	6.56	115.00
9	0.86	141.00	13	2.42	207.00	6	3.66	149.00	6	7.08	128.00
6	0.92	155.00	10	2.63	214.00	9	3.73	168.00	9	7.46	141.00
13	1.08	174.00	17	2.91	245.00	7	4.55	171.00	7	8.70	150.00
7	1.20	199.00	14	3.31	266.00	13	4.69	208.00	13	9.45	174.00
10	1.24	205.00	21	3.40	281.00	17	5.66	245.00	17	11.44	205.00
17	1.30	206.00	25	3.89	314.00	21	6.63	281.00	14	12.24	210.00
8	1.48	220.00	18	3.98	315.00	18	7.51	288.00	21	13.43	235.00
21	1.52	236.00	29	4.38	346.00	25	7.60	315.00	18	14.82	248.00
14	1.56	253.00	22	4.66	361.00	29	8.56	346.00	25	15.42	264.00
11	1.62	263.00	33	4.87	375.00	33	9.53	376.00	22	17.40	285.00
25	1.74	264.00	26	5.33	405.00	37	10.50	403.00	29	17.41	291.00
18	1.88	299.00	41	5.86	428.00	30	11.36	408.00	33	19.40	316.00
15	2.04	325.00	30	6.00	446.00	41	11.46	429.00	26	19.97	319.00
22	2.20	343.00	34	6.68	484.00	34	12.65	443.00	23	21.36	334.00
19	2.46	384.00	38	7.35	520.00	39	13.93	476.00	37	21.39	339.00
30	2.84	423.00	42	8.03	553.00	28	15.04	479.00	30	22.55	352.00
23	2.88	440.00	32	9.25	567.00	42	15.21	507.00	41	23.38	361.00
34	3.16	459.00	39	9.34	593.00	35	15.76	511.00	27	24.53	375.00
27	3.30	494.00	43	10.20	631.00	32	16.96	529.00	34	25.13	383.00
31	3.72	544.00	40	11.33	663.00	39	17.36	549.00	31	27.69	414.00
28	4.08	547.00	44	12.37	707.00	36	18.88	576.00	28	29.08	428.00
35	4.14	591.00				43	18.96	585.00	42	30.28	439.00
39	4.56	635.00				40	20.79	620.00	35	30.86	451.00
43	4.98	676.00				44	22.71	661.00	32	32.83	473.00
40	5.64	706.00							39	34.02	485.00
44	6.16	752.00							36	36.59	516.00
									43	37.19	517.00
									40	40.34	556.00
									44	44.09	593.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPTIMIZATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
41	3.54	331.00	1	1.24	81.00	1	1.24	81.00	1	2.10	73.00
42	3.12	483.00	2	1.67	104.00	2	1.67	95.00	2	2.76	87.00
43	2.90	623.00	5	2.09	120.00	5	2.09	120.00	3	3.43	101.00
44	2.76	698.00	4	2.53	132.00	4	2.53	123.00	5	3.70	108.00
			6	2.80	155.00	6	2.80	142.00	4	4.09	115.00
			9	2.93	159.00	9	2.93	158.00	6	4.86	130.00
			7	3.52	176.00	7	3.52	163.00	9	5.31	143.00
			13	3.78	196.00	13	3.78	195.00	7	6.01	151.00
			10	3.94	204.00	17	4.62	231.00	13	6.91	176.00
			17	4.62	231.00	21	5.47	265.00	17	8.51	208.00
			11	4.94	233.00	18	6.20	273.00	14	9.05	212.00
			14	5.07	252.00	25	6.31	297.00	21	10.12	239.00
			21	5.47	265.00	29	7.16	326.00	18	11.14	251.00
			18	6.20	278.00	33	8.01	354.00	25	11.72	268.00
			29	7.16	326.00	37	8.85	380.00	22	13.24	288.00
			22	7.33	342.00	30	9.60	387.00	29	13.32	295.00
			33	8.01	354.00	41	9.70	404.00	14	14.93	321.00
			26	8.46	383.00	27	10.61	406.00	26	15.33	323.00
			23	9.20	390.00	34	10.73	421.00	23	16.35	336.00
			30	9.60	422.00	38	11.86	452.00	37	16.53	344.00
			27	10.61	438.00	28	12.76	459.00	30	17.42	356.00
			34	10.73	458.00	42	12.99	481.00	41	18.13	364.00
			39	11.86	472.00	35	13.45	488.00	27	18.94	378.00
			42	12.99	523.00	32	14.47	507.00	24	19.47	383.00
			35	13.45	525.00	39	14.87	524.00	34	19.52	387.00
			32	14.47	541.00	36	16.17	552.00	31	21.52	417.00
			39	14.87	564.00	43	16.29	559.00	28	22.55	430.00
			36	16.17	589.00	40	17.88	594.00	42	23.71	444.00
			43	16.29	601.00	44	19.58	634.00	35	24.11	454.00
			40	17.88	634.00				32	25.62	476.00
			44	19.58	676.00				39	26.69	489.00
									36	28.70	518.00
									43	29.28	521.00
									40	31.78	559.00
									44	34.85	596.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	1.70	57.00	1	0.43	72.00	1	1.70	81.00	1	3.24	68.00
2	1.53	83.00	2	0.61	93.00	2	1.53	94.00	2	2.88	82.00
3	1.43	106.00	3	0.80	107.00	3	1.43	108.00	3	2.67	95.00
4	1.38	119.00	4	0.99	119.00	4	1.38	121.00	4	2.58	108.00
6	0.88	123.00	6	1.86	138.00	6	0.88	141.00	6	1.56	121.00
7	0.85	158.00	9	2.29	141.00	7	0.85	161.00	7	1.50	142.00
8	0.83	178.00	7	2.37	159.00	8	0.83	180.00	8	1.46	161.00
11	0.73	209.00	8	2.88	178.00	10	0.75	186.00	11	1.24	187.00
12	0.72	235.00	10	3.13	183.00	11	0.73	213.00	12	1.22	213.00
15	0.69	258.00	11	3.97	210.00	12	0.72	238.00	15	1.14	232.00
16	0.67	290.00	14	4.40	226.00	15	0.69	263.00	16	1.12	264.00
19	0.66	305.00	12	4.80	235.00	18	0.68	271.00	19	1.09	275.00
23	0.65	350.00	15	5.57	259.00	25	0.67	296.00	29	1.08	276.00
24	0.64	394.00	18	5.68	267.00	29	0.66	326.00	20	1.07	313.00
28	0.63	442.00	15	6.73	291.00	37	0.65	380.00	37	1.06	322.00
39	0.62	505.00	22	6.95	306.00	41	0.64	404.00	41	1.05	343.00
44	0.61	609.00	19	7.17	307.00	28	0.63	451.00	24	1.04	360.00
			33	7.98	315.00	39	0.62	518.00	34	1.03	364.00
			26	8.22	343.00	44	0.61	624.00	28	1.01	405.00
			20	8.66	345.00				32	1.00	448.00
			23	8.77	352.00				39	0.99	461.00
			30	9.50	378.00				43	0.98	492.00
			27	10.37	395.00				40	0.97	527.00
			24	10.58	376.00				44	0.96	563.00
			34	10.77	410.00						
			31	11.97	436.00						
			30	12.04	441.00						
			28	12.51	445.00						
			42	13.32	469.00						
			35	13.57	474.00						
			32	14.44	491.00						
			39	15.17	510.00						
			36	16.36	535.00						
			43	16.77	543.00						
			40	18.29	576.00						
			44	20.22	615.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 4M ) (INTER-HOUSE DISTANCE= 6M ) (INTER-HOUSE DISTANCE= 8M ) (INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	37.26	49.00	1	76.86	79.00	1	255.15	72.00	1	304.62	63.00
5	13.47	73.00	5	29.36	104.00	5	87.88	108.00	5	104.79	93.00
3	8.90	72.00	9	18.35	137.00	9	52.08	142.00	9	62.00	123.00
7	8.10	96.00	13	15.00	169.00	13	40.30	175.00	13	47.81	152.00
6	6.79	106.00	17	12.78	200.00	17	33.21	207.00	17	39.32	180.00
13	6.22	119.00	21	11.26	229.00	21	28.63	238.00	21	33.85	206.00
17	5.10	140.00	25	10.40	257.00	25	26.02	266.00	25	30.73	232.00
21	4.38	161.00	29	9.84	283.00	29	24.34	293.00	29	28.72	255.00
25	3.97	180.00	33	9.45	307.00	33	23.16	318.00	33	27.32	278.00
29	3.71	198.00	37	9.16	327.00	37	22.30	342.00	37	26.28	298.00
33	3.52	215.00	41	8.94	349.00	41	21.63	363.00	41	25.48	318.00
37	3.39	230.00	30	6.46	368.00	34	14.97	381.00	34	17.64	340.00
41	3.28	245.00	34	6.24	400.00	38	14.47	410.00	38	17.05	367.00
26	2.58	262.00	38	6.08	429.00	42	14.09	436.00	42	16.59	391.00
19	2.56	263.00	42	5.95	457.00	35	12.07	443.00	35	14.22	402.00
30	2.43	288.00	35	5.11	461.00	39	11.69	477.00	39	13.77	434.00
34	2.33	313.00	39	4.98	476.00	43	11.40	509.00	43	13.43	463.00
38	2.25	336.00	43	4.89	529.00	40	10.02	541.00	40	11.80	498.00
42	2.18	357.00	40	4.31	561.00	44	9.78	578.00	44	11.51	532.00
31	1.98	373.00	44	4.23	598.00						
35	1.90	406.00									
39	1.84	436.00									
43	1.79	464.00									
36	1.64	465.00									
40	1.59	500.00									
44	1.55	533.00									

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 4M )		(INTER-HOUSE DISTANCE= 6M )		(INTER-HOUSE DISTANCE= 8M )		(INTER-HOUSE DISTANCE= 12M )					
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	246.93	324.00	42	1285.50	381.00	42	1963.16	375.00	42	2513.02	347.00
43	41.28	422.00	43	214.72	447.00	43	327.19	441.00	43	417.86	414.00
40	8.98	454.00	40	46.62	478.00	40	70.83	471.00	40	90.18	445.00
44	8.94	484.00	44	46.48	510.00	44	70.72	504.00	44	90.17	476.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	49.00	1	76.85	70.00	1	115.72	72.00	1	165.19	63.00
2	0.04	71.00	5	29.85	104.00	5	42.50	108.00	5	59.40	93.00
5	0.05	73.00	9	18.80	137.00	9	26.05	142.00	9	35.97	123.00
3	0.07	92.00	13	15.42	169.00	13	20.84	175.00	13	28.35	152.00
9	0.11	95.00	17	13.16	200.00	17	17.53	207.00	17	23.64	180.00
4	0.12	104.00	21	11.60	229.00	21	15.32	238.00	21	20.53	206.00
6	0.13	106.00	25	10.72	257.00	25	14.06	266.00	25	18.77	232.00
13	0.19	119.00	29	10.15	283.00	29	13.24	293.00	29	17.63	255.00
7	0.21	137.00	33	9.75	307.00	33	12.68	318.00	33	16.83	278.00
10	0.26	140.00	37	9.46	329.00	37	12.26	342.00	37	16.24	298.00
8	0.32	155.00	41	9.23	349.00	41	11.94	363.00	41	15.79	318.00
21	0.40	161.00	30	6.66	368.00	34	8.33	381.00	34	11.01	340.00
11	0.41	180.00	34	6.44	400.00	38	8.10	410.00	38	10.67	367.00
12	0.60	205.00	38	6.27	429.00	42	7.91	436.00	42	10.41	391.00
15	0.65	223.00	42	5.14	457.00	35	6.80	443.00	35	8.95	402.00
22	0.81	233.00	35	5.26	461.00	39	6.62	477.00	39	8.70	434.00
16	0.92	253.00	39	5.13	496.00	43	6.47	509.00	43	8.50	453.00
19	0.93	263.00	43	5.04	529.00	40	5.71	541.00	40	7.49	498.00
30	1.23	288.00	40	4.44	561.00	44	5.60	578.00	44	7.33	532.00
23	1.24	302.00	44	4.36	598.00						
34	1.44	313.00									
27	1.55	339.00									
24	1.72	345.00									
31	1.86	373.00									
28	2.15	397.00									
35	2.17	406.00									
39	2.48	436.00									
43	2.79	464.00									
36	2.99	465.00									
40	3.41	500.00									
44	3.83	533.00									

ORIENTATION =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.50	57.00	1	0.50	72.00	44	0.58	624.00	44	0.93	563.00
2	0.70	83.00	2	0.70	93.00						
3	0.91	106.00	3	0.91	107.00						
4	1.12	119.00	4	1.12	119.00						
6	1.50	123.00	6	1.50	138.00						
7	1.92	158.00	9	1.65	141.00						
10	2.29	162.00	7	1.92	159.00						
8	2.35	178.00	13	2.22	174.00						
11	2.94	209.00	10	2.29	183.00						
12	3.58	235.00	17	2.80	205.00						
18	3.88	237.00	11	2.94	210.00						
15	3.95	258.00	14	3.09	226.00						
22	4.68	271.00	21	3.38	235.00						
16	4.82	290.00	18	3.88	267.00						
19	4.97	305.00	29	4.53	290.00						
23	5.98	350.00	22	4.68	306.00						
27	7.00	392.00	19	4.97	307.00						
24	7.28	394.00	33	5.11	315.00						
31	8.01	432.00	26	5.47	343.00						
28	8.52	442.00	23	5.98	352.00						
35	9.02	470.00	41	6.26	359.00						
32	9.75	488.00	30	6.27	378.00						
39	10.04	505.00	27	7.00	395.00						
36	10.98	531.00	34	7.06	410.00						
43	11.05	537.00	39	7.85	441.00						
40	12.22	571.00	28	8.52	445.00						
41	13.45	609.00	42	8.66	469.00						
			35	9.02	474.00						
			32	9.75	491.00						
			39	10.04	510.00						
			36	10.98	535.00						
			43	11.05	543.00						
			40	12.22	576.00						
			44	13.45	615.00						

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX	WINDOW NO.	SURLIGHT S	DAYLIGHT LUX
1	1.24	66.00	1	1.24	81.00	1	1.24	81.00	1	2.10	73.00
2	1.67	96.00	2	1.67	104.00	2	1.67	95.00	2	2.76	87.00
5	2.09	99.00	5	2.09	120.00	5	2.09	120.00	3	3.43	101.00
3	2.10	123.00	4	2.53	132.00	4	2.53	123.00	5	3.70	108.00
4	2.53	137.00	6	2.80	155.00	6	2.80	142.00	4	4.09	115.00
6	2.80	143.00	9	2.93	159.00	9	2.93	158.00	6	4.86	130.00
7	3.52	184.00	7	3.52	176.00	7	3.52	163.00	9	5.31	143.00
10	3.94	189.00	13	3.78	196.00	13	3.78	195.00	7	6.01	151.00
8	4.24	204.00	10	3.94	204.00	17	4.62	231.00	13	6.91	176.00
11	4.94	242.00	17	4.62	231.00	21	5.47	265.00	17	8.51	208.00
12	5.94	270.00	11	4.94	233.00	18	6.20	273.00	14	9.05	212.00
18	6.20	275.00	14	5.07	252.00	25	6.31	297.00	21	10.12	239.00
15	6.36	299.00	21	5.47	265.00	29	7.16	326.00	18	11.14	251.00
22	7.33	316.00	18	6.20	298.00	33	8.01	354.00	25	11.72	268.00
16	7.65	333.00	29	7.16	326.00	37	8.85	380.00	22	13.24	288.00
19	7.78	354.00	22	7.33	342.00	30	9.60	387.00	29	13.32	295.00
23	9.20	406.00	33	8.01	354.00	41	9.70	404.00	33	14.93	321.00
27	10.61	455.00	26	8.46	383.00	27	10.61	406.00	26	15.33	323.00
31	12.03	502.00	23	9.20	390.00	34	10.73	421.00	23	16.35	336.00
28	12.76	508.00	30	9.60	422.00	38	11.86	452.00	37	16.53	344.00
35	13.45	545.00	27	10.61	438.00	28	12.76	459.00	30	17.42	356.00
32	14.47	560.00	34	10.73	458.00	42	12.99	481.00	41	18.13	366.00
39	14.87	586.00	33	11.86	492.00	35	13.45	488.00	27	18.94	378.00
36	16.17	610.00	42	12.99	523.00	32	14.47	507.00	24	19.47	383.00
43	16.29	623.00	35	13.45	525.00	39	14.87	524.00	34	19.52	387.00
40	17.88	656.00	32	14.47	541.00	36	16.17	552.00	31	21.52	417.00
44	19.58	698.00	39	14.87	564.00	43	16.29	559.00	28	22.55	430.00
			36	16.17	589.00	40	17.88	594.00	42	23.71	444.00
			43	16.29	601.00	44	19.58	634.00	35	24.11	454.00
			40	17.88	634.00				32	25.62	476.00
			44	19.58	676.00				39	26.69	489.00
									36	28.70	518.00
									43	29.28	521.00
									40	31.78	559.00
									44	34.85	596.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.94	72.00	1	1.79	86.00	1	1.79	86.00	1	3.48	72.00	1	3.48	72.00
2	1.29	104.00	2	2.37	110.00	2	2.37	100.00	2	4.51	86.00	2	4.51	86.00
5	1.44	107.00	5	2.76	127.00	5	2.76	127.00	5	5.47	107.00	5	5.47	107.00
3	1.63	134.00	4	3.53	138.00	4	3.53	129.00	4	6.56	115.00	4	6.56	115.00
9	1.93	141.00	6	3.66	154.00	6	3.66	149.00	6	7.08	128.00	6	7.08	128.00
6	1.96	155.00	9	3.73	168.00	9	3.73	168.00	9	7.46	141.00	9	7.46	141.00
13	2.42	174.00	7	4.55	185.00	7	4.55	171.00	7	8.70	150.00	7	8.70	150.00
7	2.49	199.00	13	4.69	207.00	13	4.69	208.00	13	9.45	174.00	13	9.45	174.00
10	2.63	205.00	10	4.94	216.00	17	5.66	245.00	17	11.44	205.00	17	11.44	205.00
17	2.91	206.00	17	5.66	245.00	21	6.63	281.00	14	12.24	210.00	14	12.24	210.00
8	3.01	220.00	14	6.22	266.00	18	7.51	288.00	21	13.43	235.00	21	13.43	235.00
14	3.31	253.00	21	6.63	281.00	25	7.60	315.00	18	14.82	248.00	18	14.82	248.00
11	3.34	263.00	18	7.51	315.00	29	8.56	346.00	25	15.42	264.00	25	15.42	264.00
25	3.89	264.00	29	8.56	346.00	33	9.53	376.00	22	17.40	285.00	22	17.40	285.00
18	3.98	299.00	22	8.79	361.00	37	10.50	403.00	29	17.41	291.00	29	17.41	291.00
15	4.20	325.00	33	9.53	375.00	30	11.36	408.00	33	19.40	316.00	33	19.40	316.00
22	4.66	343.00	26	10.08	405.00	41	11.46	429.00	26	17.97	319.00	26	17.97	319.00
19	5.06	384.00	23	10.96	410.00	34	12.65	443.00	23	21.36	334.00	23	21.36	334.00
23	5.91	440.00	30	11.36	446.00	38	13.93	476.00	37	21.39	339.00	37	21.39	339.00
34	6.68	459.00	27	12.56	460.00	28	15.04	479.00	30	22.55	352.00	30	22.55	352.00
27	6.77	474.00	34	12.65	484.00	42	15.21	507.00	41	23.38	361.00	41	23.38	361.00
31	7.63	544.00	38	13.93	520.00	35	15.76	511.00	27	24.53	375.00	27	24.53	375.00
28	8.21	547.00	42	15.21	553.00	32	16.96	529.00	34	25.13	383.00	34	25.13	383.00
35	8.48	591.00	32	16.96	567.00	39	17.36	549.00	31	27.69	414.00	31	27.69	414.00
32	9.25	604.00	39	17.36	593.00	36	18.88	576.00	28	27.08	428.00	28	27.08	428.00
39	9.34	635.00	36	18.88	617.00	43	18.96	585.00	42	30.28	439.00	42	30.28	439.00
43	10.20	676.00	43	18.96	631.00	40	20.79	620.00	35	30.85	451.00	35	30.85	451.00
40	11.33	706.00	40	20.79	663.00	44	22.71	661.00	32	32.83	473.00	32	32.83	473.00
44	12.37	752.00	44	22.71	707.00				39	34.02	485.00	39	34.02	485.00
									36	36.59	516.00	36	36.59	516.00
									43	37.19	517.00	43	37.19	517.00
									40	40.34	556.00	40	40.34	556.00
									44	44.09	593.00	44	44.09	593.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.73	55.00	1	1.60	81.00	1	1.60	81.00	1	3.60	73.00	1	3.60	73.00
2	0.98	96.00	2	2.10	104.00	2	2.10	95.00	2	4.62	87.00	2	4.62	87.00
5	1.18	99.00	5	2.52	120.00	5	2.52	120.00	5	5.54	108.00	5	5.54	108.00
3	1.24	123.00	4	3.10	132.00	4	3.10	123.00	4	6.68	115.00	4	6.68	115.00
4	1.50	137.00	6	3.31	155.00	6	3.31	142.00	6	7.13	130.00	6	7.13	130.00
6	1.58	143.00	9	3.45	159.00	9	3.45	158.00	9	7.49	143.00	9	7.49	143.00
7	2.00	184.00	7	4.11	176.00	7	4.11	163.00	7	8.72	151.00	7	8.72	151.00
10	2.19	189.00	13	4.37	196.00	13	4.37	195.00	13	9.43	176.00	13	9.43	176.00
8	2.43	204.00	10	4.52	204.00	17	5.29	231.00	17	11.38	208.00	17	11.38	208.00
11	2.77	242.00	17	5.29	231.00	21	6.21	265.00	14	12.14	212.00	14	12.14	212.00
12	3.36	270.00	11	5.62	233.00	18	6.95	273.00	21	13.32	239.00	21	13.32	239.00
18	3.39	275.00	14	5.74	252.00	25	7.14	297.00	18	14.65	251.00	18	14.65	251.00
15	3.53	299.00	21	6.21	265.00	29	8.06	326.00	25	15.27	268.00	25	15.27	268.00
22	4.00	316.00	18	6.95	298.00	33	8.98	354.00	22	17.16	288.00	22	17.16	288.00
19	4.30	354.00	29	8.06	325.00	37	9.91	380.00	29	17.21	295.00	29	17.21	295.00
23	5.07	406.00	22	8.17	342.00	30	10.59	387.00	33	19.16	321.00	33	19.16	321.00
34	5.81	423.00	33	8.98	354.00	41	10.83	404.00	26	19.66	323.00	26	19.66	323.00
27	5.83	455.00	26	9.38	383.00	27	11.66	406.00	23	21.02	336.00	23	21.02	336.00
31	6.60	502.00	23	10.15	390.00	34	11.81	421.00	37	21.11	344.00	37	21.11	344.00
28	7.10	508.00	30	10.59	422.00	38	13.02	452.00	30	22.17	356.00	30	22.17	356.00
35	7.35	545.00	27	11.65	438.00	28	13.97	459.00	41	23.05	366.00	41	23.05	366.00
32	8.03	560.00	34	11.81	458.00	42	14.23	481.00	27	24.10	378.00	27	24.10	378.00
39	8.13	586.00	38	13.02	492.00	35	14.68	488.00	34	24.68	387.00	34	24.68	387.00
43	8.90	623.00	42	14.23	523.00	32	15.79	507.00	31	27.17	417.00	31	27.17	417.00
40	9.90	656.00	35	14.68	525.00	39	16.19	524.00	29	28.56	430.00	29	28.56	430.00
44	10.83	698.00	32	15.79	541.00	36	17.60	552.00	42	29.69	444.00	42	29.69	444.00
			39	16.19	564.00	43	17.70	559.00	35	30.25	454.00	35	30.25	454.00
			36	17.60	589.00	40	19.41	594.00	32	32.21	476.00	32	32.21	476.00
			43	17.70	601.00	44	21.22	634.00	39	33.32	489.00	39	33.32	489.00
			40	19.41	634.00				36	35.86	518.00	36	35.86	518.00
			44	21.22	676.00				43	36.39	521.00	43	36.39	521.00
									40	39.50	559.00	40	39.50	559.00
									44	43.15	596.00	44	43.15	596.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 4H ) (INTER-HOUSE DISTANCE= 6M ) (INTER-HOUSE DISTANCE= 8H ) (INTER-HOUSE DISTANCE= 12H )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	57.00	1	1.21	72.00	1	1.21	81.00	1	1.21	68.00
2	0.45	83.00	2	1.57	93.00	2	1.57	94.00	2	1.57	82.00
3	0.58	106.00	3	1.94	107.00	3	1.94	108.00	3	1.94	95.00
4	0.70	119.00	4	2.30	119.00	5	2.13	120.00	5	2.13	101.00
6	0.87	123.00	6	2.78	139.00	4	2.30	121.00	4	2.30	108.00
7	1.11	158.00	9	3.05	141.00	6	2.78	141.00	6	2.78	121.00
10	1.28	162.00	7	3.44	159.00	9	3.05	158.00	9	3.05	133.00
8	1.35	178.00	13	3.97	174.00	7	3.44	161.00	7	3.44	142.00
11	1.64	209.00	10	4.00	183.00	13	3.97	195.00	13	3.97	164.00
12	2.00	235.00	17	4.90	205.00	17	4.90	231.00	17	4.90	194.00
18	2.11	237.00	11	4.94	210.00	21	5.82	264.00	14	5.21	198.00
15	2.18	258.00	14	5.21	226.00	18	6.42	271.00	21	5.82	223.00
22	2.52	271.00	21	5.82	235.00	25	6.74	276.00	18	6.42	235.00
16	2.65	290.00	18	6.42	267.00	22	7.63	311.00	25	6.74	250.00
19	2.71	305.00	22	7.63	306.00	29	7.66	326.00	22	7.63	270.00
23	3.24	350.00	19	7.95	307.00	33	8.58	354.00	29	7.66	276.00
34	3.76	363.00	33	8.58	315.00	23	9.45	357.00	33	8.58	299.00
27	3.77	392.00	26	8.85	343.00	37	9.50	380.00	26	8.85	303.00
24	3.96	394.00	23	9.45	352.00	30	10.06	385.00	23	9.45	316.00
31	4.30	432.00	30	10.06	378.00	41	10.43	404.00	23	9.50	322.00
28	4.61	442.00	27	10.95	395.00	34	11.27	418.00	30	10.06	334.00
35	4.84	470.00	34	11.27	410.00	31	12.46	443.00	41	10.43	343.00
32	5.25	488.00	31	12.46	436.00	38	12.48	449.00	27	10.95	355.00
39	5.37	505.00	38	12.48	441.00	28	13.06	451.00	34	11.27	364.00
43	5.90	537.00	28	13.06	445.00	42	13.69	478.00	31	12.46	392.00
40	6.56	571.00	42	13.69	469.00	35	13.96	482.00	28	13.06	405.00
44	7.21	609.00	35	13.96	474.00	32	14.85	498.00	42	13.69	417.00
			32	14.85	491.00	39	15.46	518.00	35	13.96	427.00
			39	15.46	510.00	36	16.55	543.00	32	14.85	448.00
			36	16.65	535.00	43	16.96	553.00	39	15.46	461.00
			43	16.96	543.00	40	18.44	585.00	36	16.65	488.00
			40	18.44	576.00	44	20.23	624.00	43	16.96	492.00
			44	20.23	615.00				40	18.44	527.00
									44	20.23	563.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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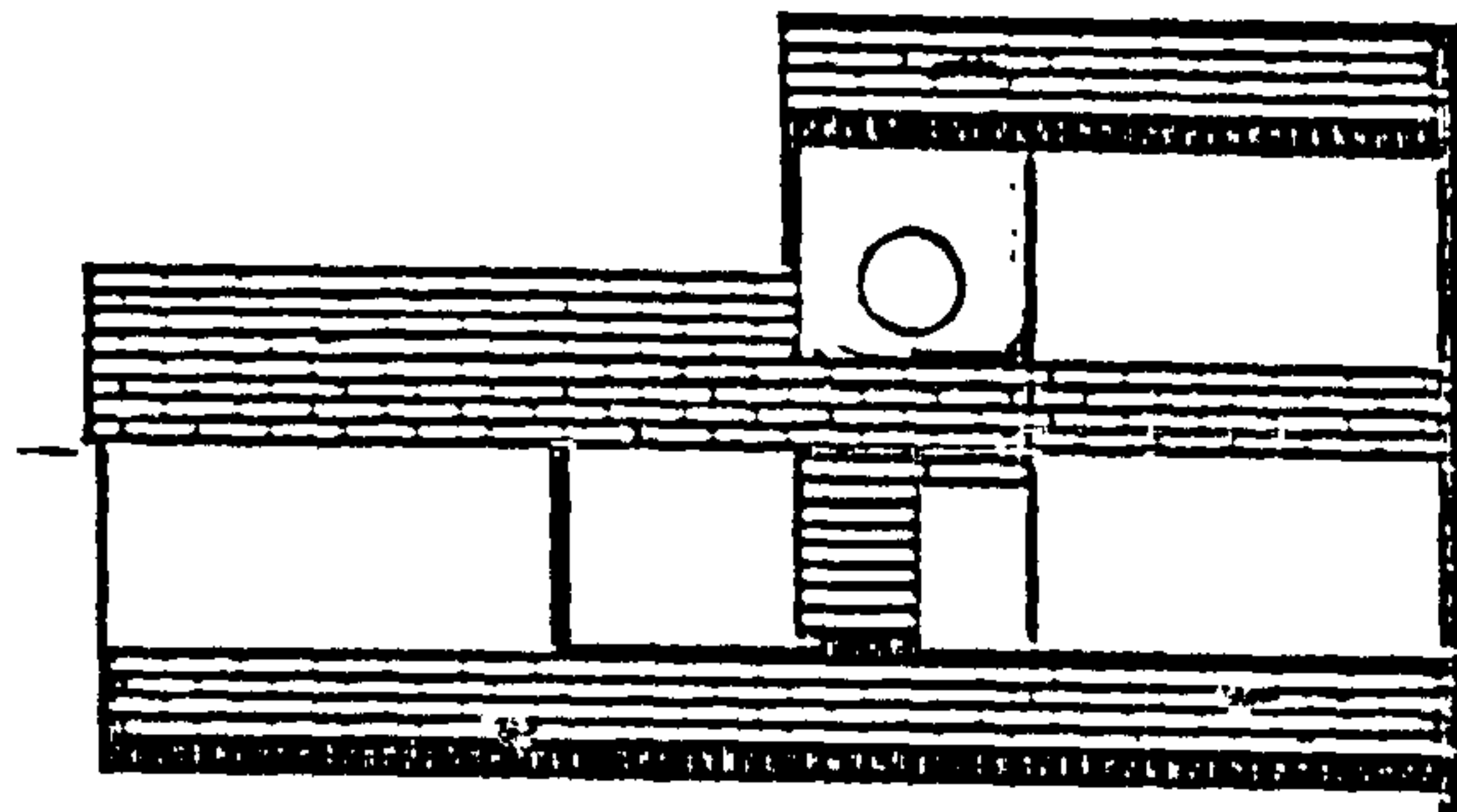
O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 4M ) ( INTER-HOUSE DISTANCE= 6M ) ( INTER-HOUSE DISTANCE= 8M ) ( INTER-HOUSE DISTANCE= 12M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.19	49.00	1	0.19	70.00	1	0.19	72.00	1	0.85	63.00
2	0.25	71.00	2	0.25	90.00	2	0.25	86.00	2	1.09	76.00
3	0.31	92.00	3	0.31	104.00	3	0.31	99.00	3	1.33	89.00
4	0.37	104.00	4	0.37	116.00	4	0.37	111.00	4	1.57	102.00
5	0.74	106.00	6	0.74	135.00	6	0.74	128.00	6	2.49	113.00
7	0.93	137.00	7	0.93	154.00	7	0.93	147.00	9	3.01	123.00
8	1.12	155.00	8	1.12	173.00	8	1.12	166.00	7	3.05	133.00
11	1.58	180.00	10	1.25	178.00	10	1.25	169.00	8	3.61	152.00
12	1.91	205.00	11	1.58	204.00	13	1.30	175.00	11	4.79	176.00
15	2.23	223.00	14	1.76	220.00	11	1.58	195.00	17	5.17	180.00
16	2.70	253.00	12	1.91	229.00	17	1.67	207.00	14	5.31	185.00
19	2.88	263.00	15	2.23	252.00	14	1.76	209.00	12	5.68	201.00
20	3.49	300.00	18	2.28	260.00	12	1.91	220.00	21	6.25	206.00
23	3.53	302.00	16	2.70	283.00	21	2.04	238.00	15	6.53	218.00
27	4.18	339.00	22	2.79	298.00	15	2.23	241.00	18	6.72	217.00
24	4.27	345.00	33	3.16	307.00	18	2.28	247.00	25	7.34	232.00
31	4.93	373.00	26	3.30	334.00	25	2.42	266.00	16	7.76	248.00
28	5.06	387.00	20	3.48	335.00	16	2.70	272.00	22	8.14	252.00
35	5.48	406.00	23	3.53	342.00	29	2.79	293.00	19	8.28	258.00
32	5.84	427.00	30	3.81	368.00	33	3.16	318.00	33	9.50	278.00
39	6.12	436.00	27	4.18	384.00	20	3.48	322.00	26	9.55	283.00
36	6.63	465.00	37	4.27	385.00	37	3.53	342.00	20	9.83	295.00
40	7.42	500.00	34	4.32	400.00	30	3.81	350.00	23	10.02	297.00
44	8.21	533.00	38	4.83	429.00	41	3.91	363.00	37	10.58	298.00
			28	5.06	433.00	27	4.18	368.00	30	10.96	312.00
			42	5.34	457.00	24	4.27	370.00	41	11.66	318.00
			35	5.48	461.00	34	4.32	381.00	27	11.76	334.00
			32	5.84	478.00	38	4.83	410.00	24	11.90	339.00
			39	6.12	495.00	28	5.06	416.00	34	12.37	340.00
			36	6.63	520.00	42	5.34	436.00	31	13.51	369.00
			43	6.77	529.00	35	5.48	443.00	28	13.98	382.00
			40	7.42	561.00	32	5.84	460.00	42	15.20	391.00
			44	8.21	598.00	39	6.12	477.00	35	15.25	402.00
						36	6.63	502.00	32	16.05	423.00
						43	6.77	509.00	39	16.99	434.00
						40	7.42	541.00	36	18.12	461.00
						44	8.21	578.00	43	19.74	463.00
									40	20.20	498.00
									44	22.27	532.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

# Staircase

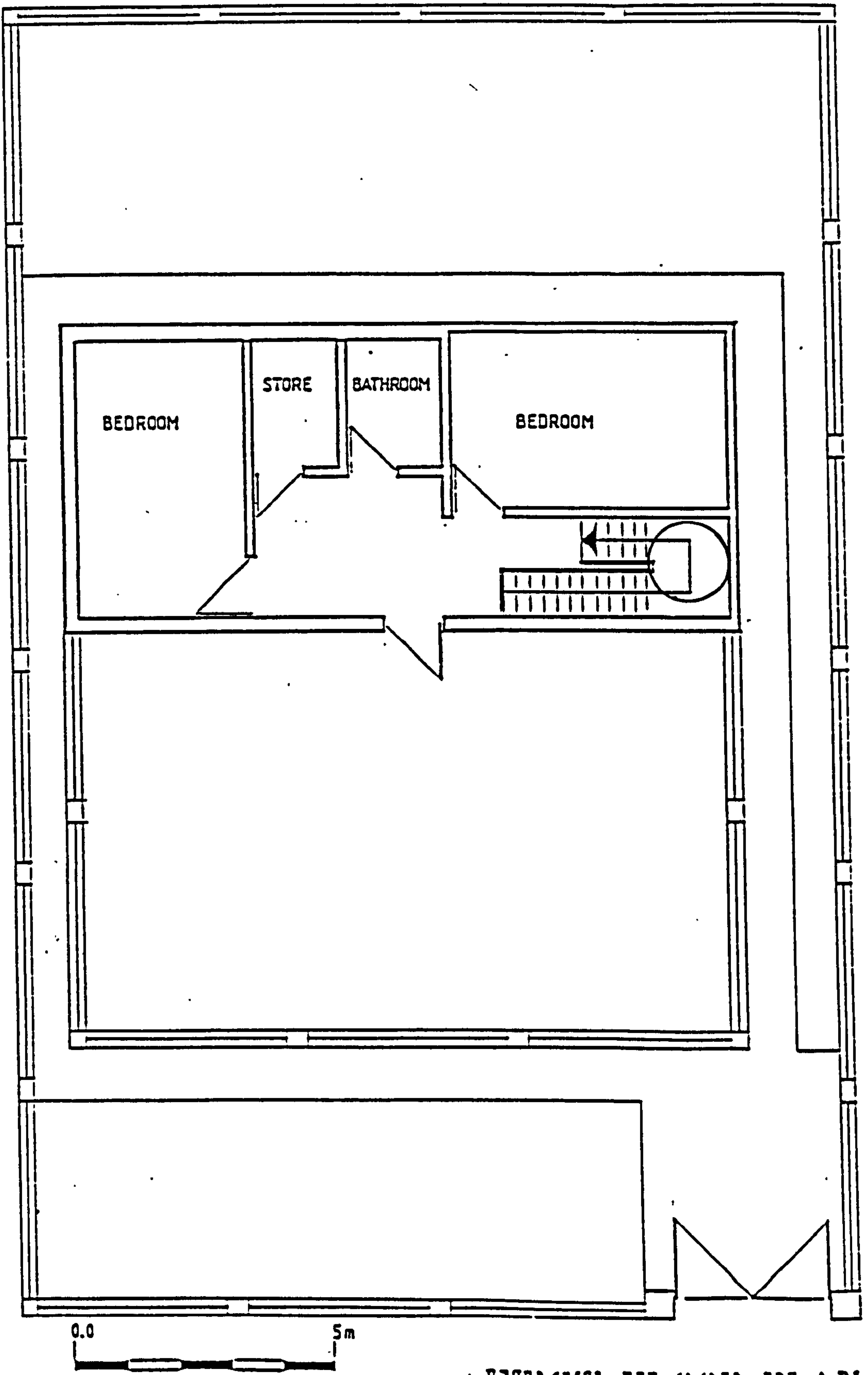


Key diagram showing the location  
of window data .

Side Wall No-4  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1454
22.5	1455
45	1456
67.5	1457
90	1458
112.5	1459
135	1460
157.5	1461
180	1462
202.5	1463
225	1464
247.5	1465
270	1466
292.5	1467
315	1468
337.5	1469



FIRST FLOOR PLAN

O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	46.00	4	0.	51.00	4	0.	51.00	1	0.19	40.00
6	0.31	53.00	5	0.12	52.00	5	0.24	52.00	2	0.25	47.00
7	0.38	62.00	6	0.15	61.00	6	0.31	61.00	3	0.31	54.00
8	0.44	69.00	7	0.19	69.00	7	0.38	69.00	4	0.37	60.00
10	1.15	71.00	8	0.22	76.00	8	0.44	76.00	5	0.74	71.00
11	1.41	82.00	10	0.57	81.00	10	1.15	81.00	7	0.93	81.00
12	1.67	91.00	11	0.70	92.00	11	1.41	92.00	8	1.12	89.00
15	2.65	102.00	12	0.84	102.00	12	1.67	102.00	10	1.25	94.00
16	3.16	114.00	17	1.32	103.00	17	2.41	103.00	13	1.30	99.00
19	3.93	122.00	15	1.43	115.00	15	2.65	115.00	11	1.58	107.00
22	4.20	125.00	16	1.71	127.00	16	3.16	127.00	17	1.67	118.00
20	4.69	136.00	19	2.19	138.00	19	3.93	138.00	12	1.91	119.00
23	5.21	144.00	22	2.36	141.00	22	4.20	141.00	21	2.04	137.00
33	5.51	149.00	20	2.63	152.00	20	4.69	152.00	18	2.28	140.00
24	6.23	160.00	23	2.96	160.00	23	5.21	160.00	25	2.42	156.00
30	6.25	162.00	33	3.12	168.00	33	5.51	168.00	29	2.79	174.00
37	6.28	164.00	24	3.55	176.00	24	6.23	176.00	33	3.16	192.00
27	6.49	165.00	37	3.56	183.00	37	6.25	179.00	37	3.53	209.00
41	7.06	178.00	41	4.01	198.00	37	6.29	183.00	41	3.91	226.00
34	7.28	180.00	28	4.47	200.00	41	7.06	198.00	34	4.32	228.00
28	7.76	183.00	31	4.48	203.00	28	7.76	200.00	38	4.83	249.00
31	7.77	186.00	38	4.79	216.00	31	7.77	203.00	42	5.34	249.00
38	8.31	197.00	35	5.25	225.00	38	8.31	216.00	39	6.12	284.00
35	9.06	206.00	42	5.39	234.00	35	9.06	225.00	36	6.63	288.00
32	9.29	207.00	39	6.01	246.00	42	9.34	234.00	43	6.77	307.00
42	9.34	214.00	36	6.31	248.00	39	10.34	245.00	40	7.42	314.00
39	10.34	226.00	43	6.77	266.00	36	10.83	248.00	44	8.21	340.00
36	10.83	229.00	40	7.24	271.00	43	11.62	266.00			
43	11.62	246.00	44	8.16	293.00	40	12.37	271.00			
40	12.37	252.00				44	13.91	293.00			
44	13.91	273.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

( INTER-HOUSE DISTANCE= 1 M )		( INTER-HOUSE DISTANCE= 2 M )		( INTER-HOUSE DISTANCE= 3 M )		( INTER-HOUSE DISTANCE= 4 M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	54.00	1	0.03	40.00	1	0.33	42.00
5	0.02	67.00	2	0.04	47.00	2	0.45	50.00
7	0.03	72.00	3	0.05	54.00	3	0.58	57.00
13	0.04	84.00	4	0.06	60.00	5	0.63	63.00
17	0.06	101.00	5	0.19	71.00	6	0.87	75.00
21	0.07	119.00	7	0.24	80.00	9	0.92	84.00
25	0.09	136.00	8	0.35	81.00	7	1.11	85.00
27	0.11	154.00	10	0.31	89.00	13	1.22	104.00
33	0.13	171.00	13	0.35	99.00	17	1.51	124.00
37	0.14	187.00	11	0.47	118.00	21	1.81	144.00
41	0.15	204.00	17	0.58	137.00	25	2.10	164.00
34	0.27	207.00	12	0.69	156.00	29	2.40	183.00
38	0.30	227.00	21	0.81	174.00	33	2.69	201.00
42	0.34	246.00	18	0.92	192.00	37	2.99	219.00
39	0.46	262.00	25	1.03	209.00	41	3.28	237.00
43	0.52	284.00	29	1.14	226.00	34	3.76	240.00
40	0.63	293.00	33	1.38	238.00	38	4.18	261.00
44	0.70	318.00	37	1.56	249.00	42	4.59	282.00
			42	1.73	259.00	39	5.37	299.00
			39	2.08	284.00	43	5.90	322.00
			43	2.31	307.00	40	6.56	331.00
			40	2.60	314.00	44	7.21	358.00
			44	2.89	340.00			
			36	6.12	284.00			
			43	6.63	288.00			
			43	6.77	307.00			
			40	7.42	314.00			
			44	8.21	340.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

OPTIMIZATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.01	37.00	1	0.09	42.00	1	0.33	42.00	1	0.73	46.00
5	0.02	55.00	2	0.13	50.00	2	0.45	50.00	2	0.98	55.00
9	0.03	73.00	3	0.18	63.00	3	0.58	57.00	5	1.18	68.00
13	0.04	91.00	5	0.28	84.00	5	0.63	63.00	4	1.50	69.00
17	0.05	109.00	13	0.38	104.00	6	0.87	75.00	6	1.58	82.00
21	0.06	128.00	17	0.47	124.00	7	0.92	84.00	9	1.62	91.00
25	0.08	147.00	21	0.57	144.00	7	1.11	85.00	7	2.00	93.00
29	0.09	165.00	25	0.66	164.00	13	1.22	104.00	13	2.07	113.00
33	0.10	183.00	29	0.75	183.00	17	1.51	124.00	17	2.52	135.00
37	0.11	209.00	33	0.86	201.00	21	1.81	144.00	21	2.96	154.00
41	0.12	217.00	37	0.95	219.00	25	2.10	164.00	18	3.37	151.00
34	0.25	221.00	41	1.05	237.00	29	2.40	183.00	25	3.41	177.00
38	0.28	242.00	34	1.33	240.00	33	2.69	201.00	29	3.86	197.00
42	0.31	263.00	38	1.48	261.00	37	2.99	219.00	33	4.30	217.00
39	0.45	279.00	42	1.63	282.00	41	3.28	237.00	37	4.75	236.00
43	0.50	303.00	39	2.01	298.00	34	3.76	240.00	41	5.20	255.00
40	0.62	312.00	43	2.22	322.00	38	4.18	261.00	34	5.81	260.00
44	0.69	338.00	40	2.54	331.00	42	4.59	282.00	38	6.41	282.00
			44	2.80	358.00	39	5.37	298.00	42	7.01	305.00
						43	5.90	322.00	39	8.13	324.00
						40	6.56	331.00	43	9.90	349.00
						44	7.21	358.00	40	9.90	361.00
									44	10.83	389.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.07	38.00	42	132.95	305.00	1	0.28	46.00	1	0.94	47.00
2	0.11	47.00	43	25.85	349.00	2	0.39	55.00	2	1.29	56.00
5	0.12	57.00	44	11.17	399.00	5	0.47	68.00	5	1.44	70.00
9	0.17	76.00				4	0.63	69.00	9	1.93	93.00
13	0.22	95.00				9	0.65	91.00	13	2.42	116.00
17	0.27	114.00				13	0.84	113.00	17	2.91	138.00
21	0.32	134.00				17	1.03	135.00	21	3.40	160.00
25	0.38	153.00				21	1.21	156.00	25	3.89	181.00
29	0.43	173.00				25	1.40	177.00	29	4.38	202.00
32	0.48	191.00				29	1.59	197.00	33	4.87	222.00
37	0.53	210.00				33	1.77	217.00	37	5.37	241.00
41	0.58	227.00				37	1.96	236.00	41	5.86	260.00
34	0.74	234.00				41	2.15	255.00	34	6.68	265.00
38	0.82	256.00				34	2.50	260.00	38	7.35	289.00
42	0.90	277.00				38	2.76	282.00	42	8.03	311.00
39	1.16	297.00				42	3.03	305.00	39	9.34	331.00
43	1.23	322.00				39	3.63	324.00	43	10.20	357.00
40	1.56	334.00				43	3.97	349.00	40	11.33	369.00
44	1.71	362.00				40	4.54	361.00	44	12.37	398.00
						44	4.97	389.00			

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.	45.00	1	2.11	47.00	1	0.42	47.00	1	2.10	46.00
21	0.01	153.00	2	2.74	56.00	2	0.60	56.00	2	2.76	55.00
37	0.02	234.00	5	3.35	70.00	5	0.64	70.00	3	3.43	52.00
41	0.03	253.00	4	3.99	71.00	9	0.86	93.00	5	3.70	68.00
34	0.17	259.00	6	4.35	84.00	13	1.08	116.00	4	4.09	69.00
38	0.19	282.00	9	4.59	93.00	17	1.30	138.00	6	4.86	82.00
42	0.20	304.00	7	5.35	96.00	21	1.52	160.00	9	5.31	91.00
39	0.35	325.00	13	5.83	116.00	25	1.74	181.00	7	6.01	93.00
43	0.38	350.00	17	7.08	138.00	29	1.95	202.00	13	5.91	113.00
40	0.51	362.00	21	8.32	160.00	33	2.17	222.00	17	8.51	135.00
44	0.56	392.00	18	9.19	165.00	37	2.39	241.00	21	10.12	156.00
			25	9.56	181.00	41	2.61	260.00	18	11.14	161.00
			29	10.80	202.00	34	3.16	265.00	25	11.72	177.00
			33	12.05	222.00	38	3.48	289.00	22	13.24	186.00
			37	13.29	241.00	42	3.79	311.00	29	13.32	197.00
			41	14.53	260.00	39	4.56	331.00	33	14.93	217.00
			34	15.64	265.00	43	4.98	357.00	37	16.53	236.00
			38	17.25	289.00	40	5.64	359.00	41	18.13	255.00
			43	18.87	311.00	44	6.16	398.00	34	19.52	260.00
			39	21.22	331.00				31	21.52	270.00
			36	22.83	339.00				38	21.61	282.00
			43	23.20	357.00				42	23.71	305.00
			40	25.18	359.00				39	26.69	324.00
			44	27.54	398.00				36	28.70	331.00
									43	29.28	349.00
									40	31.78	361.00
									44	34.85	389.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.86	38.00	1	2.10	46.00	1	2.10	46.00	1	0.43	42.00
2	1.09	47.00	2	2.76	55.00	2	2.76	55.00	2	0.61	50.00
3	1.32	55.00	3	3.43	62.00	3	3.43	62.00	3	0.80	57.00
4	1.56	62.00	5	3.70	68.00	5	3.70	68.00	4	0.99	63.00
6	2.05	71.00	4	4.09	69.00	4	4.09	69.00	6	1.86	75.00
9	2.38	76.00	6	4.86	82.00	6	4.86	82.00	9	2.29	84.00
7	2.49	82.00	9	5.31	91.00	9	5.31	91.00	7	2.37	85.00
8	2.93	93.00	7	6.01	93.00	7	6.01	93.00	8	2.88	94.00
10	3.02	94.00	13	6.91	113.00	13	6.91	113.00	10	3.13	99.00
13	3.13	95.00	17	8.51	135.00	17	8.51	135.00	13	3.24	104.00
11	3.66	109.00	21	10.12	156.00	21	10.12	156.00	11	3.97	113.00
17	3.89	114.00	18	11.14	161.00	18	11.14	161.00	17	4.19	124.00
14	3.98	117.00	25	11.72	177.00	25	11.72	177.00	14	4.80	125.00
12	4.30	123.00	22	13.24	186.00	22	13.24	186.00	12	5.13	144.00
21	4.65	134.00	29	13.32	197.00	29	13.32	197.00	21	5.68	148.00
15	4.82	136.00	33	14.93	217.00	33	14.93	217.00	15	6.08	164.00
18	4.94	140.00	37	16.53	236.00	37	16.53	236.00	18	6.75	171.00
25	5.41	153.00	41	18.13	255.00	41	18.13	255.00	25	7.03	183.00
22	5.90	164.00	34	19.52	260.00	34	19.52	260.00	22	7.98	201.00
29	6.16	173.00	31	21.52	270.00	31	21.52	270.00	29	8.92	219.00
25	6.87	188.00	38	21.61	282.00	38	21.61	282.00	25	9.87	237.00
33	6.92	191.00	42	23.71	305.00	42	23.71	305.00	33	10.77	240.00
37	7.68	210.00	39	26.69	324.00	39	26.69	324.00	37	11.97	248.00
30	7.83	211.00	36	28.70	331.00	36	28.70	331.00	30	12.04	261.00
27	8.32	219.00	43	29.28	349.00	43	29.28	349.00	27	13.32	282.00
41	8.44	227.00	40	31.78	361.00	40	31.78	361.00	41	15.17	298.00
34	8.79	234.00	44	34.85	389.00	44	34.85	389.00	34	16.36	303.00
31	9.49	245.00							31	16.77	322.00
38	9.75	256.00							38	18.29	331.00
35	10.66	272.00							44	20.22	358.00
42	10.71	277.00									
37	11.82	297.00									
36	12.52	305.00									
43	12.99	322.00									
40	13.90	334.00									
44	15.27	362.00									

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

OPTIMUM =

(INTER-HOUSE DISTANCE= 1M )				(INTER-HOUSE DISTANCE= 2M )				(INTER-HOUSE DISTANCE= 3M )				(INTER-HOUSE DISTANCE= 4M )			
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	
1	0.43	37.00	1	0.43	42.00	1	0.43	42.00	1	0.43	42.00	1	0.43	42.00	
2	0.61	45.00	2	0.61	50.00	2	0.61	50.00	2	0.61	50.00	2	0.61	50.00	
3	0.80	52.00	3	0.80	57.00	3	0.80	57.00	3	0.80	57.00	3	0.80	57.00	
4	0.99	58.00	4	0.99	63.00	4	0.99	63.00	4	0.99	63.00	4	0.99	63.00	
5	1.86	67.00	6	1.86	75.00	6	1.86	75.00	6	1.86	75.00	6	1.86	75.00	
9	2.29	73.00	9	2.29	84.00	9	2.29	84.00	9	2.29	84.00	9	2.29	84.00	
7	2.37	77.00	7	2.37	85.00	7	2.37	85.00	7	2.37	95.00	7	2.37	95.00	
8	2.88	86.00	8	2.88	94.00	8	2.88	94.00	8	2.88	94.00	8	2.88	94.00	
10	3.13	89.00	10	3.13	97.00	10	3.13	97.00	10	3.13	99.00	10	3.13	99.00	
13	3.24	91.00	13	3.24	104.00	13	3.24	104.00	13	3.24	104.00	13	3.24	104.00	
11	3.97	103.00	11	3.97	113.00	11	3.97	113.00	11	3.97	113.00	11	3.97	113.00	
17	4.19	109.00	17	4.19	124.00	17	4.19	124.00	17	4.19	124.00	17	4.19	124.00	
14	4.40	111.00	12	4.80	125.00	12	4.80	125.00	12	4.80	125.00	12	4.80	125.00	
12	4.80	115.00	21	5.13	144.00	21	5.13	144.00	21	5.13	144.00	21	5.13	144.00	
21	5.13	128.00	18	5.68	148.00	18	5.68	148.00	18	5.68	148.00	18	5.68	148.00	
18	5.68	132.00	25	6.08	164.00	25	6.08	164.00	25	6.08	164.00	25	6.08	164.00	
25	6.08	147.00	22	6.95	171.00	22	6.95	171.00	22	6.95	171.00	22	6.95	171.00	
22	6.95	155.00	29	7.03	183.00	29	7.03	183.00	29	7.03	183.00	29	7.03	183.00	
29	7.03	165.00	33	7.98	201.00	33	7.98	201.00	33	7.98	201.00	33	7.98	201.00	
33	7.98	183.00	37	8.92	219.00	37	8.92	219.00	37	8.92	219.00	37	8.92	219.00	
37	8.92	200.00	41	9.87	237.00	41	9.87	237.00	41	9.87	237.00	41	9.87	237.00	
41	9.87	217.00	34	10.77	240.00	34	10.77	240.00	34	10.77	240.00	34	10.77	240.00	
34	10.77	221.00	31	11.97	248.00	31	11.97	248.00	31	11.97	248.00	31	11.97	248.00	
31	11.97	230.00	38	12.04	261.00	38	12.04	261.00	38	12.04	261.00	38	12.04	261.00	
38	12.04	242.00	42	13.32	282.00	42	13.32	282.00	42	13.32	282.00	42	13.32	282.00	
42	13.32	263.00	39	15.17	298.00	39	15.17	298.00	39	15.17	298.00	39	15.17	298.00	
39	15.17	279.00	36	16.36	303.00	36	16.36	303.00	36	16.36	303.00	36	16.36	303.00	
36	16.36	295.00	43	16.77	322.00	43	16.77	322.00	43	16.77	322.00	43	16.77	322.00	
43	16.77	303.00	40	18.29	331.00	40	18.29	331.00	40	18.29	331.00	40	18.29	331.00	
40	18.29	312.00	44	20.22	358.00	44	20.22	358.00	44	20.22	358.00	44	20.22	358.00	
44	20.22	338.00													

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

OPTIMIZATION =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	0.01	34.00	1	84.41	40.00	1	133.89	40.00	1	149.26	40.00
2	0.04	41.00	5	30.46	60.00	5	49.42	60.00	5	53.29	60.00
5	0.05	51.00	9	18.29	80.00	9	30.12	80.00	9	31.86	80.00
9	0.11	67.00	13	14.03	99.00	13	23.30	99.00	13	24.39	99.00
13	0.19	84.00	17	11.51	118.00	17	19.20	118.00	17	19.97	118.00
17	0.29	101.00	21	9.88	137.00	21	16.55	137.00	21	17.13	137.00
21	0.40	119.00	25	8.95	156.00	25	15.04	156.00	25	15.52	156.00
25	0.51	136.00	29	8.36	174.00	29	14.07	174.00	29	14.48	174.00
29	0.62	154.00	33	7.95	192.00	33	13.39	192.00	33	13.75	192.00
33	0.73	171.00	37	7.64	209.00	37	12.88	209.00	37	13.21	209.00
37	0.84	187.00	41	7.40	225.00	41	12.50	226.00	41	12.90	226.00
41	0.95	204.00	34	5.07	228.00	34	8.60	228.00	34	8.84	228.00
34	1.44	207.00	38	4.90	249.00	38	8.32	249.00	38	8.53	249.00
38	1.68	227.00	42	4.77	269.00	42	8.10	269.00	42	8.30	269.00
42	1.86	246.00	39	3.93	284.00	39	6.70	284.00	39	6.88	284.00
39	2.48	262.00	43	3.83	307.00	43	6.53	307.00	43	6.69	307.00
43	2.79	284.00	40	3.35	314.00	40	5.72	314.00	40	5.88	314.00
40	3.41	293.00	44	3.26	340.00	44	5.59	340.00	44	5.73	340.00
44	3.83	318.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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OPERATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )											
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	547.85	214.00	42	1163.52	234.00	42	1410.45	234.00	42	1410.45	234.00
43	90.67	246.00	43	192.73	266.00	43	234.02	266.00	43	234.02	266.00
44	19.45	273.00	44	41.48	293.00	44	50.42	293.00	44	50.42	293.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
43	583.80	294.00	1	45.62	40.00	1	45.62	40.00	1	45.62	40.00
44	64.55	318.00	5	19.74	60.00	5	19.74	60.00	5	19.74	60.00
			9	13.02	80.00	9	13.02	80.00	9	13.02	80.00
			13	11.11	99.00	13	11.11	99.00	13	11.11	99.00
			17	9.68	118.00	17	9.68	118.00	17	9.68	118.00
			21	8.66	137.00	21	8.66	137.00	21	8.66	137.00
			25	8.08	156.00	25	8.08	156.00	25	8.08	156.00
			29	7.70	174.00	29	7.70	174.00	29	7.70	174.00
			33	7.44	192.00	33	7.44	192.00	33	7.44	192.00
			37	7.24	209.00	37	7.24	209.00	37	7.24	209.00
			41	7.10	226.00	41	7.10	226.00	41	7.10	226.00
			34	4.92	228.00	34	4.92	228.00	34	4.92	228.00
			38	4.81	249.00	38	4.81	249.00	38	4.81	249.00
			42	4.73	269.00	42	4.73	269.00	42	4.73	269.00
			39	3.95	284.00	39	3.95	284.00	39	3.95	284.00
			43	3.88	307.00	43	3.88	307.00	43	3.88	307.00
			40	3.42	314.00	40	3.42	314.00	40	3.42	314.00
			44	3.37	340.00	44	3.37	340.00	44	3.37	340.00

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

(INTER-HOUSE DISTANCE= 1M ) (INTER-HOUSE DISTANCE= 2M ) (INTER-HOUSE DISTANCE= 3M ) (INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S'	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	433.04	338.00	41	3.20	237.00	1	0.50	42.00	1	1.46	42.00
42		282.00	42	2.76	282.00	2	0.70	50.00	2	1.34	50.00
43		322.00	43	2.55	322.00	3	0.91	57.00	3	1.27	57.00
44		358.00	44	2.43	358.00	5	1.07	63.00	4	1.23	63.00
						6	1.50	75.00	9	1.09	84.00
						9	1.65	84.00	13	1.06	104.00
						7	1.92	85.00	17	1.05	124.00
						13	2.22	104.00	21	1.04	144.00
						17	2.80	124.00	25	1.03	154.00
						21	3.38	144.00	33	1.02	201.00
						19	3.88	148.00	41	1.01	237.00
						25	3.95	164.00	34	0.97	240.00
						29	4.53	183.00	42	0.96	282.00
						33	5.11	201.00	43	0.93	322.00
						37	5.68	219.00	44	0.91	358.00
						41	6.26	237.00			
						34	7.06	240.00			
						38	7.86	261.00			
						42	8.66	282.00			
						39	10.04	298.00			
						36	10.98	303.00			
						43	11.05	322.00			
						40	12.22	331.00			
						44	13.45	358.00			

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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O R I E N T A T I O N =

( INTER-HOUSE DISTANCE= 1 M ) ( INTER-HOUSE DISTANCE= 2 M ) ( INTER-HOUSE DISTANCE= 3 M ) ( INTER-HOUSE DISTANCE= 4 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	24.23	227.00	41	6.76	255.00	41	5.55	255.00	41	2.80	255.00
42	12.64	277.00	42	5.47	305.00	42	4.90	305.00	42	2.59	305.00
43	9.80	322.00	43	4.89	349.00	43	4.55	349.00	43	2.47	349.00
44	8.53	362.00	44	4.56	389.00	44	4.34	389.00	44	2.39	389.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
41	136.10	253.00	41	12.08	260.00	41	3.80	260.00	41	1.69	260.00
42	23.25	304.00	42	9.25	311.00	42	3.35	311.00	42	1.58	311.00
43	15.39	350.00	43	8.04	357.00	43	3.12	357.00	43	1.52	357.00
44	12.52	392.00	44	7.38	398.00	44	2.97	398.00	44	1.48	398.00

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

(INTER-HOUSE DISTANCE= 1M )		(INTER-HOUSE DISTANCE= 2M )		(INTER-HOUSE DISTANCE= 3M )		(INTER-HOUSE DISTANCE= 4M )		
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
42	601.88	277.00	41	2.17	255.00	1	0.73	46.00
43	113.29	322.00	42	1.99	305.00	2	0.98	55.00
44	47.89	362.00	43	1.86	349.00	5	1.18	58.00
			44	1.76	389.00	4	1.50	69.00
			6	1.58	82.00	6	1.58	82.00
			9	1.62	91.00	9	1.62	91.00
			7	2.00	93.00	7	2.00	93.00
			13	2.07	113.00	13	2.07	113.00
			17	2.52	135.00	17	2.52	135.00
			21	2.96	156.00	21	2.96	156.00
			18	3.39	161.00	18	3.39	161.00
			25	3.41	177.00	25	3.41	177.00
			29	3.86	197.00	29	3.86	197.00
			33	4.30	217.00	33	4.30	217.00
			37	4.75	236.00	37	4.75	236.00
			41	5.20	255.00	41	5.20	255.00
			34	5.81	260.00	34	5.81	260.00
			38	6.41	282.00	38	6.41	282.00
			42	7.01	305.00	42	7.01	305.00
			39	8.13	324.00	39	8.13	324.00
			43	8.90	349.00	43	8.90	349.00
			40	9.90	361.00	40	9.90	361.00
			44	10.83	389.00	44	10.83	389.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

( INTER-HOUSE DISTANCE= 1M ) ( INTER-HOUSE DISTANCE= 2M ) ( INTER-HOUSE DISTANCE= 3M ) ( INTER-HOUSE DISTANCE= 4M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.33	37.00	1	0.33	42.00	1	2.67	42.00	1	2.67	42.00
2	0.45	45.00	2	0.45	50.00	2	3.43	50.00	2	3.43	50.00
3	0.58	52.00	3	0.58	57.00	3	4.18	57.00	3	4.18	57.00
5	0.63	55.00	5	0.63	63.00	5	4.54	63.00	5	4.54	63.00
4	0.70	58.00	6	0.87	75.00	6	5.83	75.00	6	5.83	75.00
6	0.87	67.00	9	0.92	84.00	9	6.40	84.00	9	6.40	84.00
9	0.92	73.00	7	1.11	95.00	7	7.13	95.00	7	7.13	95.00
7	1.11	77.00	13	1.22	104.00	10	8.24	99.00	10	8.24	99.00
13	1.22	91.00	17	1.51	124.00	13	8.27	104.00	13	8.27	104.00
17	1.51	109.00	21	1.81	144.00	11	10.07	113.00	11	10.07	113.00
14	1.70	111.00	25	2.10	154.00	17	10.13	124.00	17	10.13	124.00
21	1.81	128.00	29	2.40	183.00	12	11.91	125.00	12	11.91	125.00
25	2.10	147.00	33	2.67	201.00	21	11.99	144.00	21	11.99	144.00
29	2.40	165.00	37	2.99	219.00	18	13.05	148.00	18	13.05	148.00
33	2.67	183.00	41	3.28	237.00	25	13.86	164.00	25	13.86	164.00
37	2.99	200.00	34	3.74	240.00	22	15.45	171.00	22	15.45	171.00
41	3.28	217.00	38	4.18	261.00	29	15.72	183.00	29	15.72	183.00
34	3.76	221.00	42	4.59	282.00	33	17.59	201.00	33	17.59	201.00
38	4.18	242.00	39	5.37	298.00	37	19.45	219.00	37	19.45	219.00
42	4.59	263.00	43	5.90	322.00	41	21.32	237.00	41	21.32	237.00
39	5.37	279.00	40	6.56	331.00	34	22.67	240.00	34	22.67	240.00
43	5.90	303.00	44	7.21	358.00	31	24.81	248.00	31	24.81	248.00
40	6.56	312.00				38	25.08	261.00	38	25.08	261.00
44	7.21	338.00				42	27.48	282.00	42	27.48	282.00
						39	30.70	298.00	39	30.70	298.00
						36	32.83	303.00	36	32.83	303.00
						43	33.65	322.00	43	33.65	322.00
						40	36.32	331.00	40	36.32	331.00
						44	39.81	358.00	44	39.81	358.00

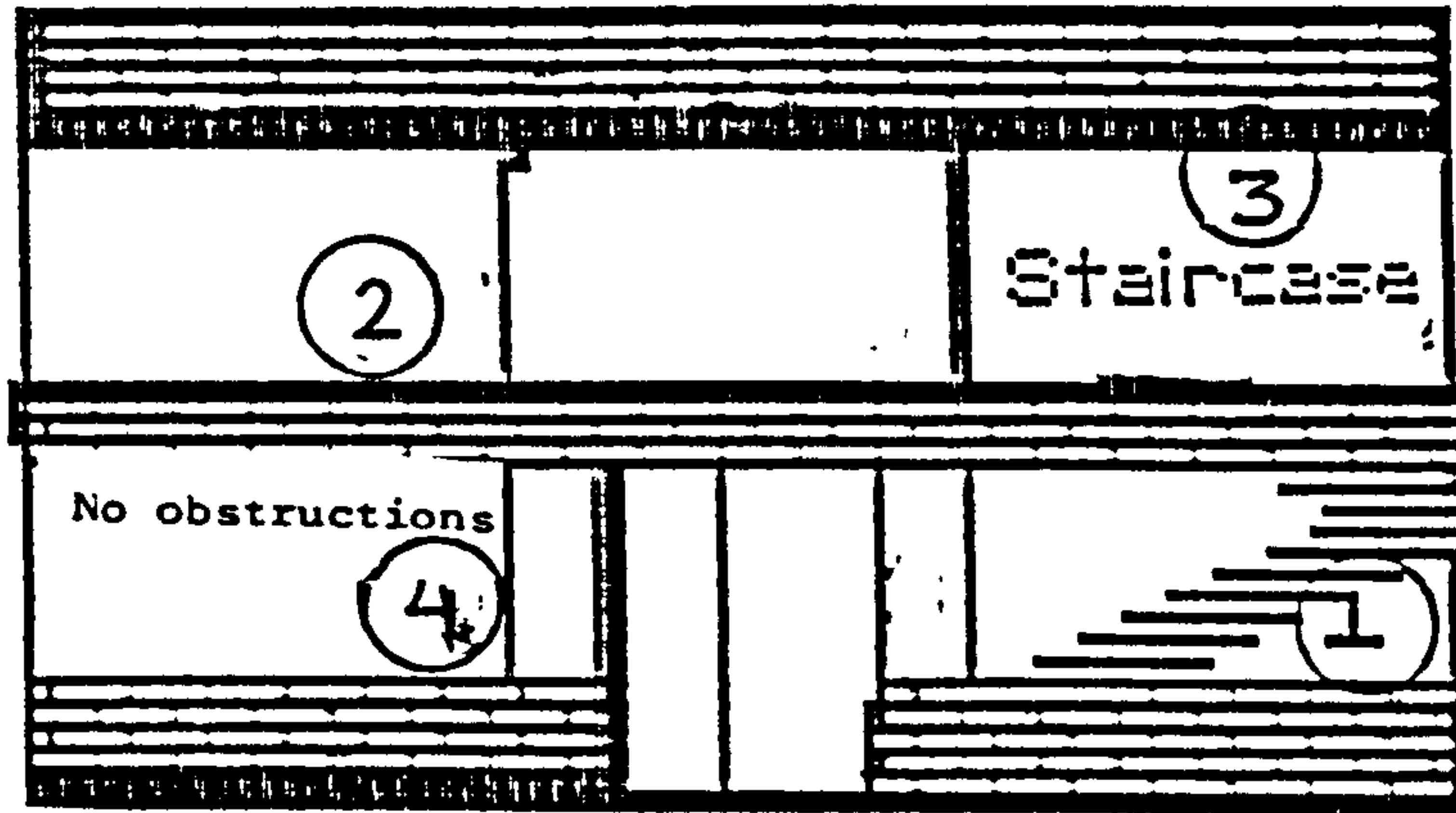
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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	0.85	34.00	1	0.85	40.00	1	0.85	40.00	1	0.85	40.00	1	0.85	40.00
2	1.09	41.00	2	1.09	47.00	2	1.09	47.00	2	1.09	47.00	2	1.09	47.00
3	1.33	48.00	3	1.33	54.00	3	1.33	54.00	3	1.33	54.00	3	1.33	54.00
4	1.57	54.00	4	1.57	60.00	4	1.57	60.00	4	1.57	60.00	4	1.57	60.00
5	2.49	62.00	6	2.49	71.00	6	2.49	71.00	6	2.49	71.00	6	2.49	71.00
9	3.01	67.00	9	3.01	80.00	9	3.01	80.00	9	3.01	80.00	9	3.01	80.00
7	3.05	72.00	7	3.05	81.00	7	3.05	81.00	7	3.05	81.00	7	3.05	81.00
8	3.61	80.00	8	3.61	89.00	8	3.61	89.00	8	3.61	89.00	8	3.61	89.00
10	3.90	82.00	10	3.90	94.00	10	3.90	94.00	10	3.90	94.00	10	3.90	94.00
13	4.09	84.00	13	4.09	99.00	13	4.09	99.00	13	4.09	99.00	13	4.09	99.00
11	4.79	95.00	11	4.79	107.00	11	4.79	107.00	11	4.79	107.00	11	4.79	107.00
17	5.17	101.00	17	5.17	118.00	17	5.17	118.00	17	5.17	118.00	17	5.17	118.00
14	5.31	102.00	12	5.68	119.00	12	5.68	119.00	12	5.68	119.00	12	5.68	119.00
12	5.68	107.00	21	6.25	137.00	21	6.25	137.00	21	6.25	137.00	21	6.25	137.00
21	6.25	119.00	18	6.72	140.00	18	6.72	140.00	18	6.72	140.00	18	6.72	140.00
18	6.72	123.00	25	7.34	156.00	25	7.34	156.00	25	7.34	156.00	25	7.34	156.00
25	7.34	136.00	22	8.14	163.00	22	8.14	163.00	22	8.14	163.00	22	8.14	163.00
22	8.14	145.00	29	8.42	174.00	29	8.42	174.00	29	8.42	174.00	29	8.42	174.00
29	8.42	154.00	33	9.50	192.00	33	9.50	192.00	33	9.50	192.00	33	9.50	192.00
33	9.50	171.00	37	10.58	209.00	37	10.58	209.00	37	10.58	209.00	37	10.58	209.00
37	10.58	197.00	41	11.66	226.00	41	11.66	226.00	41	11.66	226.00	41	11.66	226.00
41	11.66	204.00	34	12.37	228.00	34	12.37	228.00	34	12.37	228.00	34	12.37	228.00
34	12.37	207.00	31	13.51	235.00	31	13.51	235.00	31	13.51	236.00	31	13.51	236.00
31	13.51	215.00	38	13.79	249.00	38	13.79	249.00	38	13.79	249.00	38	13.79	249.00
30	13.79	227.00	42	15.20	269.00	42	15.20	269.00	42	15.20	269.00	42	15.20	269.00
42	15.20	246.00	39	16.99	284.00	39	16.99	284.00	39	16.99	284.00	39	16.99	284.00
39	16.99	262.00	36	18.12	288.00	36	18.12	288.00	36	18.12	288.00	36	18.12	288.00
36	18.12	267.00	43	18.74	307.00	43	18.74	307.00	43	18.74	307.00	43	18.74	307.00
43	18.74	284.00	40	20.20	314.00	40	20.20	314.00	40	20.20	314.00	40	20.20	314.00
40	20.20	293.00	44	22.27	340.00	44	22.27	340.00	44	22.27	340.00	44	22.27	340.00
44	22.27	318.00												

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER





Key diagram showing the location  
of window data

## Front Wall

1 Or 2 Storey

ORIENTATION	PAGE NO.
0.0	1471
22.5 & 337.5	1472
45 & 315	1473
67.5 & 292.5	1474
90 & 270	1475
112.5 & 247.5	1476
135 & 225	1477
157.5 & 202.5	1478
180	1479



O R I E N T A T I O N =

1 (INTER-HOUSE DISTANCE=22 M ) 2(INTER-HOUSE DISTANCE=38 M ) 3(INTER-HOUSE DISTANCE=38 M ) 4(INTER-HOUSE DISTANCE=300M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
4	0.	103.00	4	0.	73.00	4	0.	71.00	4	0.	172.00
6	0.31	119.00	6	0.31	75.00	6	0.31	72.00	6	0.31	186.00
7	0.38	137.00	7	0.38	93.00	7	0.38	89.00	7	0.38	226.00
8	0.44	154.00	8	0.44	110.00	8	0.44	106.00	8	0.44	256.00
10	1.15	158.00	11	1.41	123.00	11	1.41	118.00	11	1.41	277.00
11	1.41	181.00	12	1.67	145.00	12	1.67	141.00	12	1.67	337.00
12	1.67	203.00	15	2.65	153.00	15	2.65	147.00	15	2.65	366.00
15	2.65	224.00	16	3.16	101.00	16	3.16	174.00	16	3.16	416.00
16	3.16	252.00	17	3.93	182.00	19	3.93	175.00	19	3.93	431.00
19	3.93	266.00	20	4.69	215.00	20	4.69	203.00	20	4.69	490.00
20	4.69	299.00	24	6.23	248.00	24	6.23	240.00	23	5.21	493.00
23	5.21	306.00	28	7.76	281.00	28	7.76	271.00	24	6.23	561.00
24	6.23	344.00	35	9.06	287.00	35	9.06	278.00	28	7.76	627.00
34	7.28	358.00	32	9.29	312.00	32	9.29	302.00	35	9.06	650.00
28	7.76	387.00	39	10.34	313.00	36	10.34	301.00	32	9.29	687.00
35	9.06	415.00	36	10.83	342.00	40	10.83	359.00	39	10.34	694.00
32	9.29	428.00	40	12.37	371.00	44	12.37	386.00	36	10.83	743.00
39	10.34	447.00	44	13.91	390.00				40	12.37	794.00
36	10.83	468.00							44	13.91	840.00
43	11.62	478.00									
40	12.37	505.00									
44	13.91	540.00									

1471

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

O R I E N T A T I O N =

1 (INTER-HOUSE DISTANCE= 22M )		2 (INTER-HOUSE DISTANCE= 38M )		3 (INTER-HOUSE DISTANCE= 38M )		4 (INTER-HOUSE DISTANCE= 300M )		
WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	0.85	73.00	1	0.05	41.00	1	0.85	38.00
2	1.09	86.00	2	1.09	54.00	2	1.09	51.00
3	1.33	99.00	3	1.33	67.00	3	1.33	64.00
4	1.57	112.00	4	1.57	80.00	4	1.57	77.00
5	2.49	128.00	6	2.49	81.00	6	3.05	76.00
9	3.01	143.00	7	3.05	100.00	7	3.61	115.00
7	3.05	148.00	8	3.61	117.00	8	4.79	127.00
8	3.61	167.00	11	4.79	133.00	11	5.68	152.00
10	3.90	169.00	12	5.68	157.00	12	6.53	158.00
13	4.09	176.00	15	6.53	164.00	15	7.76	189.00
11	4.79	196.00	16	7.76	175.00	16	9.55	194.00
17	5.17	208.00	26	9.55	204.00	20	9.83	224.00
14	5.31	209.00	20	7.83	232.00	27	11.76	244.00
12	5.68	220.00	27	11.76	254.00	24	11.90	259.00
21	6.25	239.00	24	11.90	268.00	31	13.51	271.00
15	6.53	242.00	31	13.51	282.00	28	13.98	292.00
18	6.72	248.00	28	13.98	302.00	35	15.25	296.00
25	7.34	268.00	35	15.25	308.00	32	16.05	325.00
16	7.75	273.00	32	16.05	335.00	36	18.12	355.00
22	8.14	285.00	36	18.12	367.00	40	20.20	385.00
19	8.28	286.00	40	20.20	398.00	36	22.27	413.00
29	8.42	295.00	44	22.27	427.00			
33	9.50	321.00						
20	9.83	323.00						
23	10.02	329.00						
37	10.58	345.00						
30	10.96	353.00						
41	11.66	367.00						
27	11.76	370.00						
24	11.90	372.00						
34	12.37	384.00						
31	13.51	409.00						
38	13.79	413.00						
28	13.98	418.00						
42	15.20	440.00						
35	15.25	446.00						
32	16.05	463.00						
39	16.99	480.00						
36	18.12	505.00						
43	18.74	513.00						
40	20.20	544.00						

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER

ORIENTATION =

1 (INTER-HOUSE DISTANCE=22 M ) 2 (INTER-HOUSE DISTANCE=38 M ) 3 (INTER-HOUSE DISTANCE=58 M ) 4 (INTER-HOUSE DISTANCE=300M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	2.67	74.00	1	2.67	41.00	1	2.67	37.00	1	2.67	104.00
2	3.43	87.00	2	3.43	55.00	2	3.43	52.00	2	3.43	146.00
3	4.18	101.00	3	4.18	69.00	3	4.18	66.00	3	4.18	177.00
5	4.54	110.00	4	4.93	82.00	4	4.93	79.00	4	4.93	205.00
4	4.93	114.00	7	7.13	103.00	7	7.13	99.00	6	5.83	216.00
6	5.03	130.00	10	8.24	109.00	10	8.24	104.00	7	7.13	266.00
9	6.40	145.00	8	8.42	122.00	8	8.42	118.00	10	8.24	283.00
7	7.13	151.00	11	10.07	136.00	11	10.07	130.00	8	8.42	305.00
10	8.24	172.00	12	11.91	161.00	12	11.91	156.00	11	11.91	349.00
13	8.27	179.00	15	13.02	168.00	15	13.02	162.00	12	11.91	401.00
11	10.07	199.00	16	15.39	200.00	16	15.39	194.00	15	13.02	428.00
17	10.13	211.00	26	17.86	207.00	26	17.86	197.00	16	15.39	492.00
14	10.64	213.00	20	18.88	238.00	20	18.88	230.00	19	15.97	502.00
12	11.91	225.00	27	21.86	260.00	27	21.86	250.00	26	17.86	510.00
21	11.99	242.00	24	22.37	274.00	24	22.37	265.00	20	18.88	578.00
15	13.02	246.00	31	24.81	288.00	31	24.81	277.00	27	21.86	633.00
18	13.05	252.00	28	25.86	309.00	28	25.86	300.00	24	22.37	658.00
25	13.86	271.00	35	27.75	314.00	35	27.75	303.00	31	24.81	690.00
16	15.39	278.00	32	29.35	343.00	32	29.35	332.00	28	25.86	731.00
22	15.45	289.00	36	32.83	376.00	36	32.83	364.00	35	27.75	741.00
29	15.72	299.00	40	36.32	406.00	40	36.32	394.00	32	27.35	798.00
33	17.59	325.00	44	39.81	436.00	44	39.81	422.00	36	32.83	858.00
20	18.88	329.00							40	36.32	712.00
23	18.91	335.00							44	39.81	960.00
37	19.45	349.00									
30	20.26	358.00									
41	21.32	371.00									
27	21.86	376.00									
24	22.37	379.00									
34	22.67	389.00									
31	24.81	416.00									
38	25.08	419.00									
28	25.86	426.00									
42	27.48	446.00									
35	27.75	453.00									
32	29.35	471.00									
37	30.70	488.00									
36	32.83	514.00									
43	33.65	520.00									
40	36.32	554.00									
44	39.81	592.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

1 (INTER-HOUSE DISTANCE=22M ) 2 (INTER-HOUSE DISTANCE=38M ) 3 (INTER-HOUSE DISTANCE=38M ) 4 (INTER-HOUSE DISTANCE=300M )

WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S	DAYLIGHT LUX
1	3.60	94.00	1	3.60	44.00	1	3.60	40.00	1	3.60	110.00
2	4.62	99.00	2	4.62	50.00	2	4.62	54.00	2	4.62	155.00
3	5.54	125.00	3	5.54	65.00	3	5.54	57.00	3	5.54	162.00
4	6.68	127.00	4	5.65	72.00	4	5.65	69.00	4	5.65	193.00
5	7.13	147.00	5	6.68	85.00	5	6.68	82.00	5	6.68	222.00
6	7.49	165.00	6	7.13	87.00	6	7.13	102.00	6	7.13	230.00
7	8.72	168.00	7	8.72	108.00	7	8.72	107.00	7	8.72	285.00
8	9.43	204.00	8	9.63	114.00	8	9.63	123.00	8	9.63	301.00
9	11.38	241.00	9	10.33	127.00	9	10.33	135.00	9	10.33	329.00
10	13.32	276.00	10	11.80	143.00	10	11.80	163.00	10	11.80	374.00
11	14.65	283.00	11	13.97	144.00	11	13.97	168.00	11	13.97	432.00
12	15.27	310.00	12	13.32	170.00	12	14.07	181.00	12	13.97	457.00
13	17.16	325.00	13	13.97	177.00	13	17.16	202.00	13	14.07	484.00
14	17.21	341.00	14	14.07	193.00	14	17.62	203.00	14	17.16	528.00
15	19.16	371.00	15	17.16	211.00	15	19.66	227.00	15	17.62	534.00
16	21.02	374.00	16	17.62	217.00	16	21.02	239.00	16	17.95	605.00
17	21.11	398.00	17	19.66	242.00	17	21.27	258.00	17	21.02	619.00
18	22.17	402.00	18	21.02	250.00	18	24.10	276.00	18	21.27	669.00
19	23.05	423.00	19	21.27	272.00	19	24.92	286.00	19	24.10	702.00
20	24.68	437.00	20	24.10	288.00	20	27.17	311.00	20	24.92	726.00
21	27.17	463.00	21	24.92	301.00	21	28.56	312.00	21	27.17	777.00
22	27.18	470.00	22	27.17	325.00	22	30.25	344.00	22	28.56	845.00
23	28.56	472.00	23	28.56	327.00	23	32.21	376.00	23	32.21	906.00
24	29.69	501.00	24	30.25	360.00	24	35.86	407.00	24	35.86	959.00
25	30.25	504.00	25	32.21	393.00	25	39.50	436.00	25	39.50	1006.00
26	32.21	522.00	26	35.86	425.00	26	43.15		26	43.15	
27	33.32	542.00	27	39.50	455.00	27			27		
28	35.86	568.00	28	43.15		28			28		
29	36.37	579.00	29			29			29		
30	39.50	612.00	30			30			30		
31	43.15	653.00	31			31			31		
32			32			32			32		
33			33			33			33		
34			34			34			34		
35			35			35			35		
36			36			36			36		
37			37			37			37		
38			38			38			38		
39			39			39			39		
40			40			40			40		
41			41			41			41		
42			42			42			42		
43			43			43			43		
44			44			44			44		

PARETO OPTIMAL SOLUTIONS WITH RANK ORDER





O R I E N T A T I O N =

1 (INTER-HOUSE DISTANCE=22 M ) 2 (INTER-HOUSE DISTANCE=38 M ) 3 (INTER-HOUSE DISTANCE=38 M ) 4 (INTER-HOUSE DISTANCE=300 M )

WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT S.	DAYLIGHT LUX
1	2.10	84.00	1	2.10	44.00	1	2.10	40.00	1	2.10	110.00
2	2.76	99.00	2	2.76	58.00	2	2.76	54.00	2	2.76	155.00
3	3.43	113.00	3	3.43	72.00	3	3.43	59.00	3	3.43	193.00
5	3.70	125.00	4	4.09	86.00	4	4.09	82.00	4	4.09	222.00
4	4.09	127.00	5	4.86	97.00	7	6.01	102.00	6	4.86	230.00
6	4.86	147.00	7	6.01	108.00	10	6.95	107.00	7	6.01	285.00
7	5.31	165.00	10	6.95	114.00	8	7.17	123.00	10	6.95	301.00
7	6.01	168.00	8	7.17	129.00	11	8.60	135.00	8	7.17	329.00
13	5.91	204.00	11	8.60	143.00	12	10.24	163.00	11	8.60	374.00
17	8.51	241.00	21	10.12	144.00	15	11.18	168.00	12	10.24	432.00
21	10.12	276.00	12	10.24	170.00	22	13.24	181.00	15	11.18	457.00
10	11.14	283.00	15	11.18	177.00	16	13.32	202.00	22	13.24	484.00
25	11.72	310.00	22	13.24	193.00	26	15.33	203.00	16	13.32	528.00
22	13.24	325.00	16	13.32	211.00	23	16.35	229.00	17	13.77	534.00
27	13.32	341.00	26	15.33	217.00	20	16.40	239.00	23	16.35	505.00
33	14.93	371.00	23	16.35	242.00	27	18.94	258.00	20	16.40	619.00
23	16.35	374.00	20	16.40	250.00	24	19.47	276.00	27	18.94	669.00
37	16.53	398.00	27	18.94	272.00	31	21.52	286.00	24	19.47	702.00
30	17.42	402.00	24	19.47	289.00	20	22.55	311.00	24	19.47	726.00
41	18.13	423.00	31	21.52	301.00	35	24.11	312.00	31	21.52	777.00
34	19.52	437.00	28	22.55	325.00	32	25.62	344.00	28	22.55	845.00
31	21.52	463.00	35	24.11	327.00	36	28.70	376.00	32	25.62	906.00
38	21.61	470.00	32	25.62	360.00	40	31.78	407.00	36	28.70	959.00
28	22.55	472.00	36	28.70	393.00	44	34.85	436.00	40	31.78	959.00
42	23.71	501.00	40	31.78	425.00				44	34.85	1006.00
35	24.11	504.00	44	34.85	455.00						
32	25.62	522.00									
39	26.69	542.00									
36	28.70	568.00									
43	29.28	578.00									
40	31.78	612.00									
44	34.85	653.00									

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PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

1 (INTER-HOUSE DISTANCE=22 M ) 2 (INTER-HOUSE DISTANCE=38 M ) 3 (INTER-HOUSE DISTANCE=58 M ) 4 (INTER-HOUSE DISTANCE=70 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	5.17	74.00	1	6.19	41.00	1	6.19	39.00	1	6.19	104.00
2	5.46	87.00	2	5.46	55.00	2	5.46	52.00	2	5.46	146.00
3	5.07	101.00	3	5.07	67.00	3	5.07	66.00	3	5.07	177.00
4	4.83	114.00	4	4.83	82.00	4	4.83	79.00	4	4.83	205.00
5	2.87	130.00	7	2.74	103.00	7	2.74	99.00	6	2.87	216.00
7	2.74	151.00	8	2.66	122.00	8	2.66	118.00	7	2.74	266.00
8	2.66	170.00	11	2.25	136.00	11	2.25	130.00	8	2.66	305.00
10	2.34	172.00	12	2.19	161.00	12	2.19	156.00	11	2.25	347.00
13	2.26	179.00	15	2.04	168.00	15	2.04	162.00	12	2.19	401.00
11	2.25	199.00	16	1.99	200.00	16	1.99	194.00	15	2.04	428.00
12	2.19	225.00	20	1.87	238.00	20	1.87	230.00	16	1.99	472.00
15	2.04	246.00	24	1.82	274.00	24	1.82	265.00	17	1.93	502.00
18	2.00	252.00	31	1.78	288.00	31	1.78	277.00	20	1.89	578.00
16	1.99	278.00	28	1.77	309.00	28	1.77	300.00	24	1.82	658.00
29	1.94	299.00	35	1.75	314.00	35	1.75	303.00	31	1.78	690.00
33	1.91	325.00	32	1.74	343.00	32	1.74	332.00	28	1.77	731.00
20	1.89	329.00	36	1.71	376.00	36	1.71	364.00	35	1.75	741.00
37	1.88	347.00	40	1.69	406.00	40	1.69	394.00	32	1.74	798.00
41	1.86	371.00	44	1.67	436.00	44	1.67	422.00	36	1.71	858.00
24	1.82	379.00							40	1.69	912.00
34	1.81	389.00							44	1.67	960.00
38	1.78	419.00									
42	1.77	446.00									
35	1.75	453.00									
32	1.74	471.00									
39	1.73	488.00									
43	1.71	520.00									
40	1.69	554.00									
44	1.67	592.00									

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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ORIENTATION =

1 (INTER-HOUSE DISTANCE=22 M ) 2 (INTER-HOUSE DISTANCE=38 M ) 3 (INTER-HOUSE DISTANCE=38 M ) 4 (INTER-HOUSE DISTANCE=300 M )

WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
1	249.60	73.00	1	247.60	41.00	1	247.60	38.00	1	249.60	100.00
5	87.86	108.00	5	89.86	60.00	5	89.86	56.00	5	89.86	149.00
9	54.26	143.00	3	57.78	57.00	3	57.78	64.00	3	57.78	172.00
13	42.39	176.00	9	54.26	80.00	9	54.26	75.00	9	54.26	195.00
17	35.14	208.00	6	44.45	91.00	6	44.45	77.00	6	44.45	208.00
21	30.42	239.00	13	42.39	99.00	13	42.39	92.00	13	42.39	239.00
25	27.73	268.00	17	35.14	117.00	17	35.14	110.00	17	35.14	279.00
29	25.99	295.00	21	30.42	135.00	21	30.42	126.00	21	30.42	316.00
33	24.78	321.00	25	27.73	152.00	25	27.73	142.00	25	27.73	350.00
37	23.88	345.00	29	25.99	168.00	29	25.99	157.00	29	25.99	380.00
41	23.20	367.00	33	24.78	184.00	33	24.78	172.00	33	24.78	407.00
34	16.08	384.00	37	23.88	198.00	37	23.88	186.00	37	23.88	430.00
38	15.58	413.00	41	23.20	212.00	41	23.20	199.00	41	23.20	451.00
42	15.18	440.00	30	16.77	226.00	30	16.77	215.00	30	17.73	494.00
35	13.01	446.00	34	16.08	246.00	34	16.08	235.00	30	16.77	538.00
39	12.62	480.00	38	15.58	266.00	38	15.58	254.00	34	16.08	578.00
43	12.32	513.00	42	15.18	285.00	42	15.18	272.00	38	15.58	612.00
40	10.04	544.00	35	13.01	308.00	35	13.01	296.00	42	15.18	643.00
44	10.59	582.00	39	12.62	333.00	39	12.62	321.00	31	13.53	668.00
			43	12.32	357.00	43	12.32	344.00	35	13.01	718.00
			36	11.15	367.00	36	11.15	355.00	39	12.62	763.00
			40	10.84	398.00	40	10.84	385.00	43	12.32	802.00
			44	10.59	427.00	44	10.59	413.00	35	11.15	829.00
									40	10.84	882.00
									44	10.59	930.00

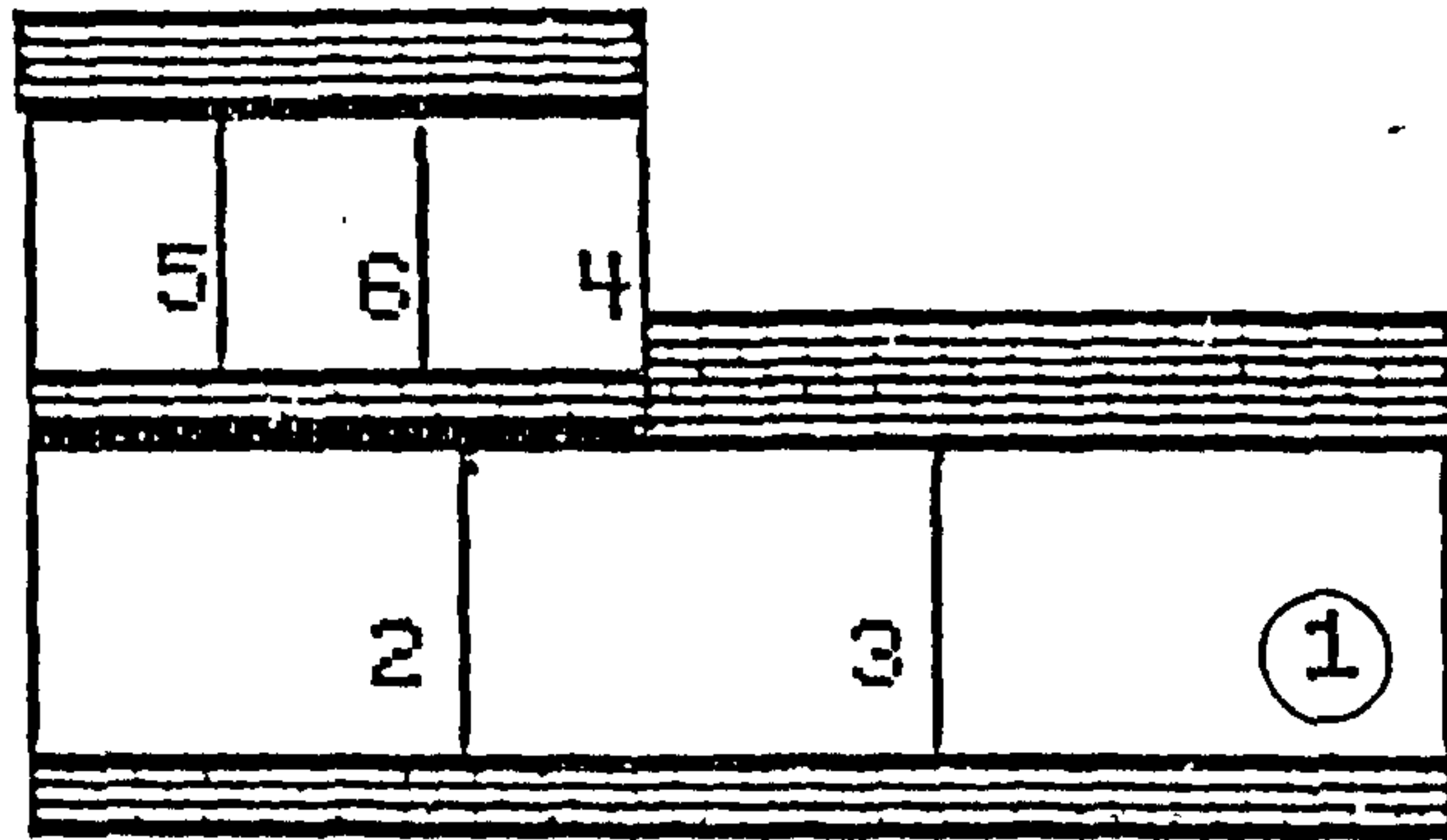
PARETO OPTIMAL SOLUTIONS WITH RANK ORDER



O R I E N T A T I O N =

1 (INTER-HOUSE DISTANCE=22 M ) 2 (INTER-HOUSE DISTANCE=30 M ) 3 (INTER-HOUSE DISTANCE=38 M ) 4 (INTER-HOUSE DISTANCE=30M )														
WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX	WINDOW NO.	SUNLIGHT Y	DAYLIGHT LUX
42	3062.87	411.00	42	3062.07	269.00	42	3062.07	257.00	42	3062.87	574.00	42	3062.87	574.00
43	508.54	470.00	43	508.54	336.00	43	508.54	324.00	43	508.54	733.00	43	508.54	733.00
44	109.62	540.00	44	109.62	378.00	44	109.62	386.00	44	109.62	840.00	44	109.62	840.00

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 PARETO OPTIMAL SOLUTIONS WITH RANK ORDER  
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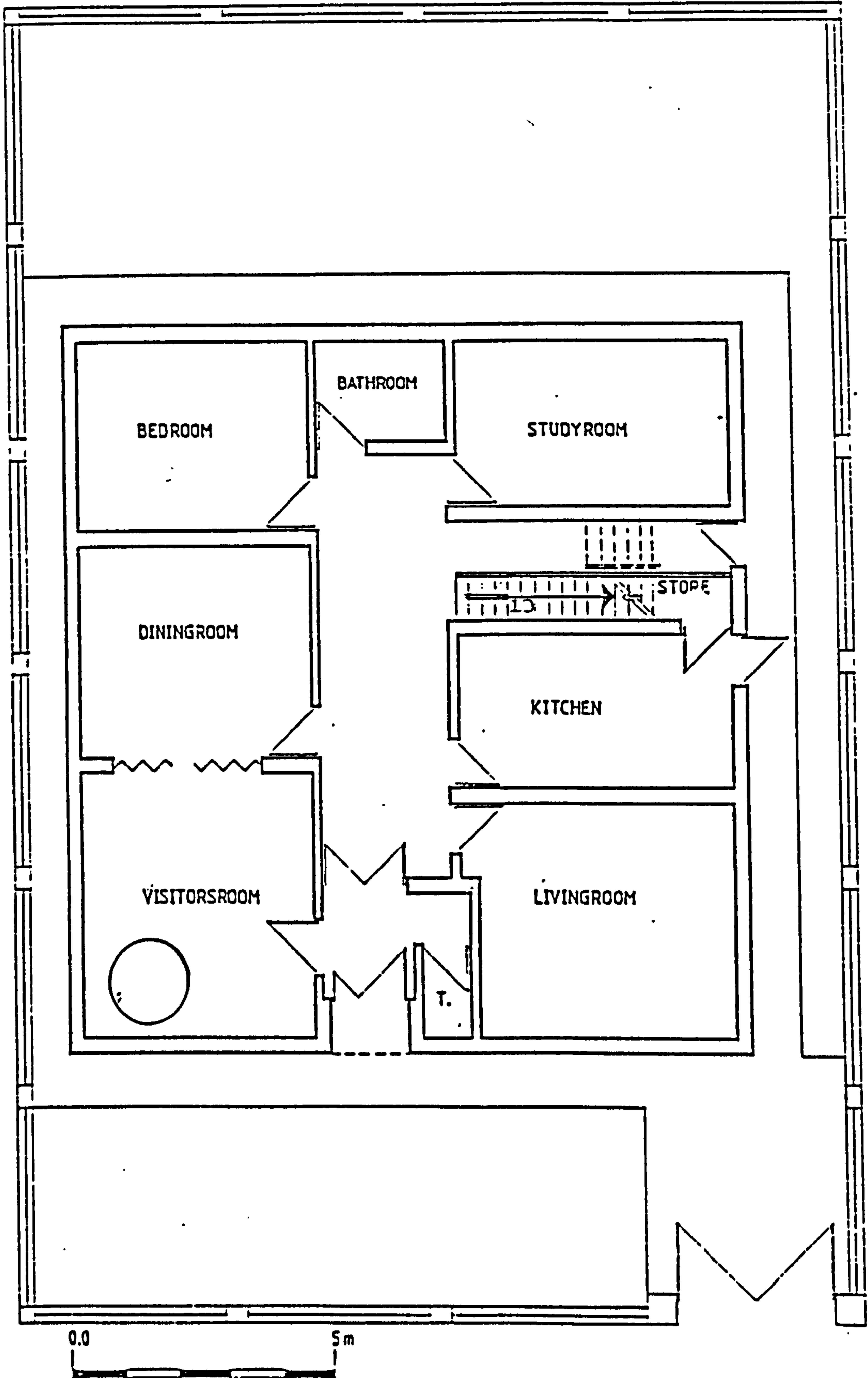


Key diagram showing the location  
of window data .\*

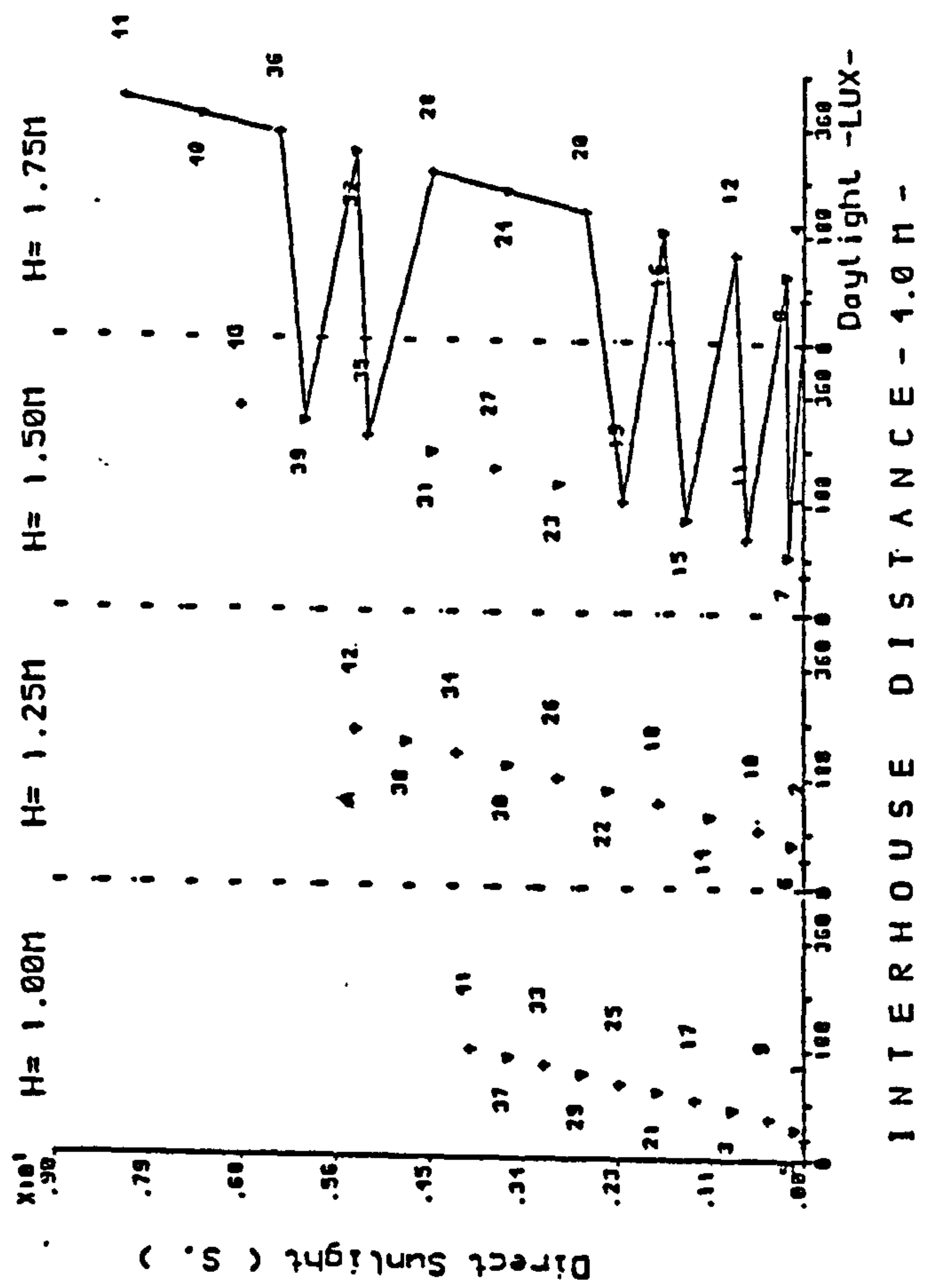
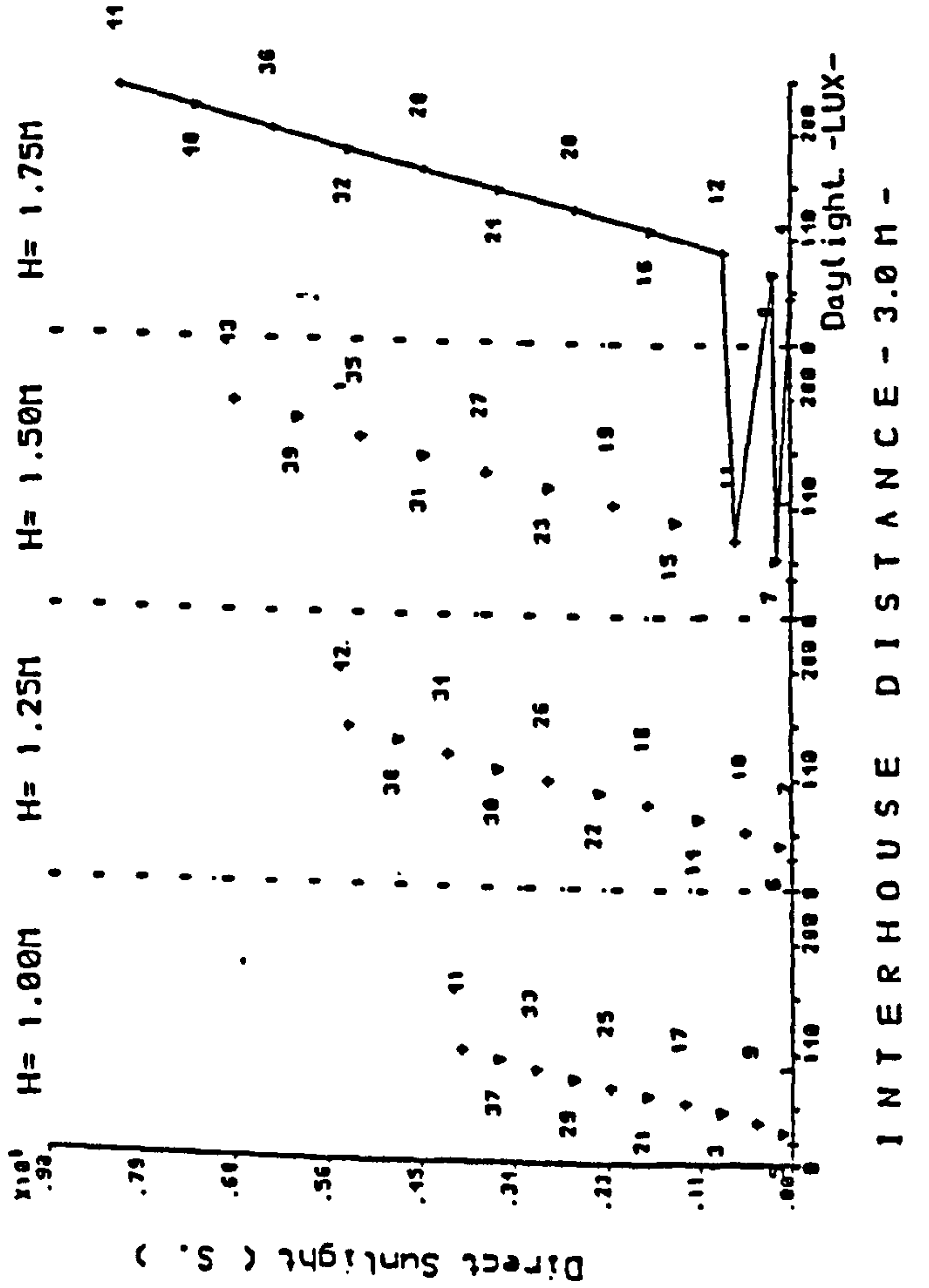
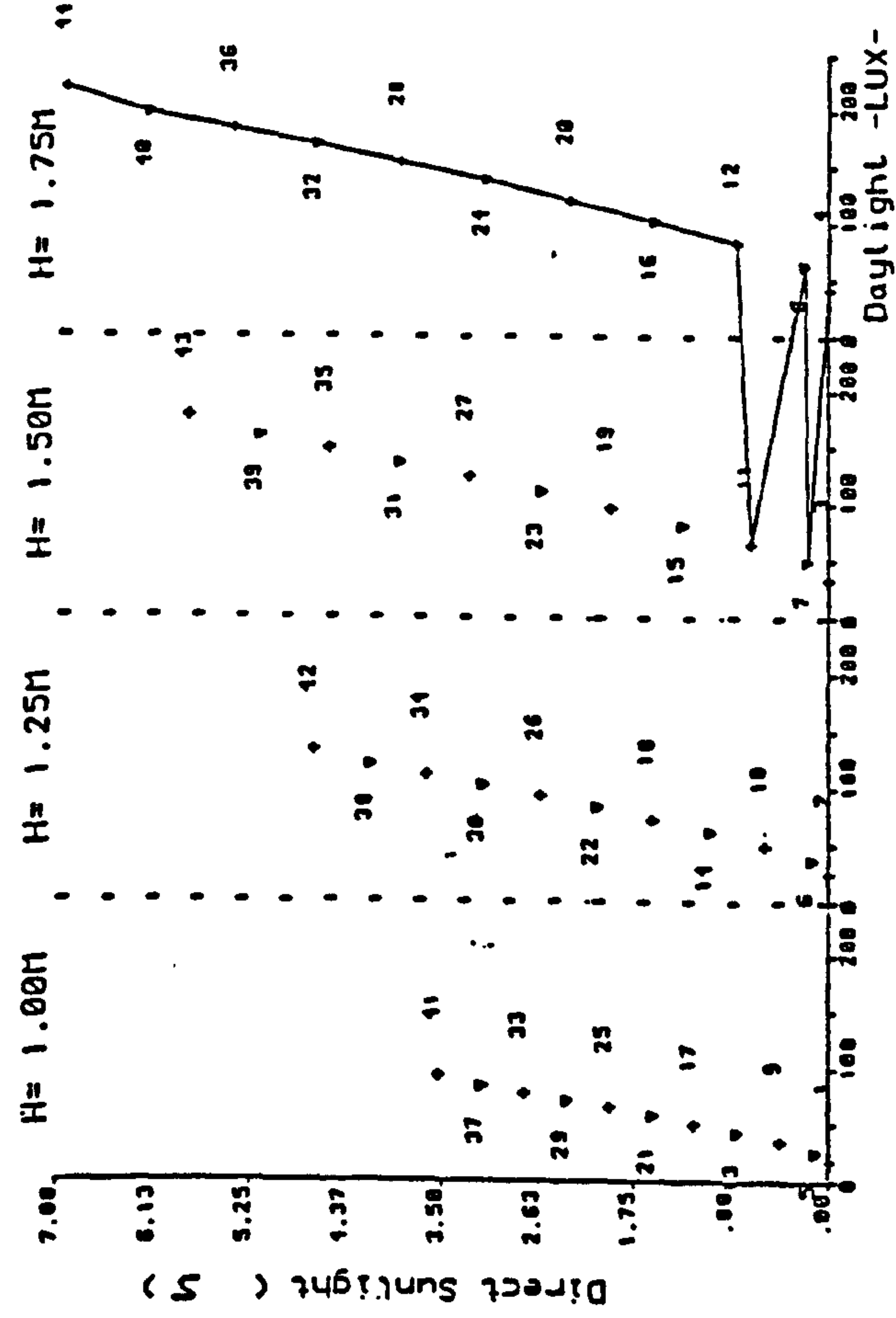
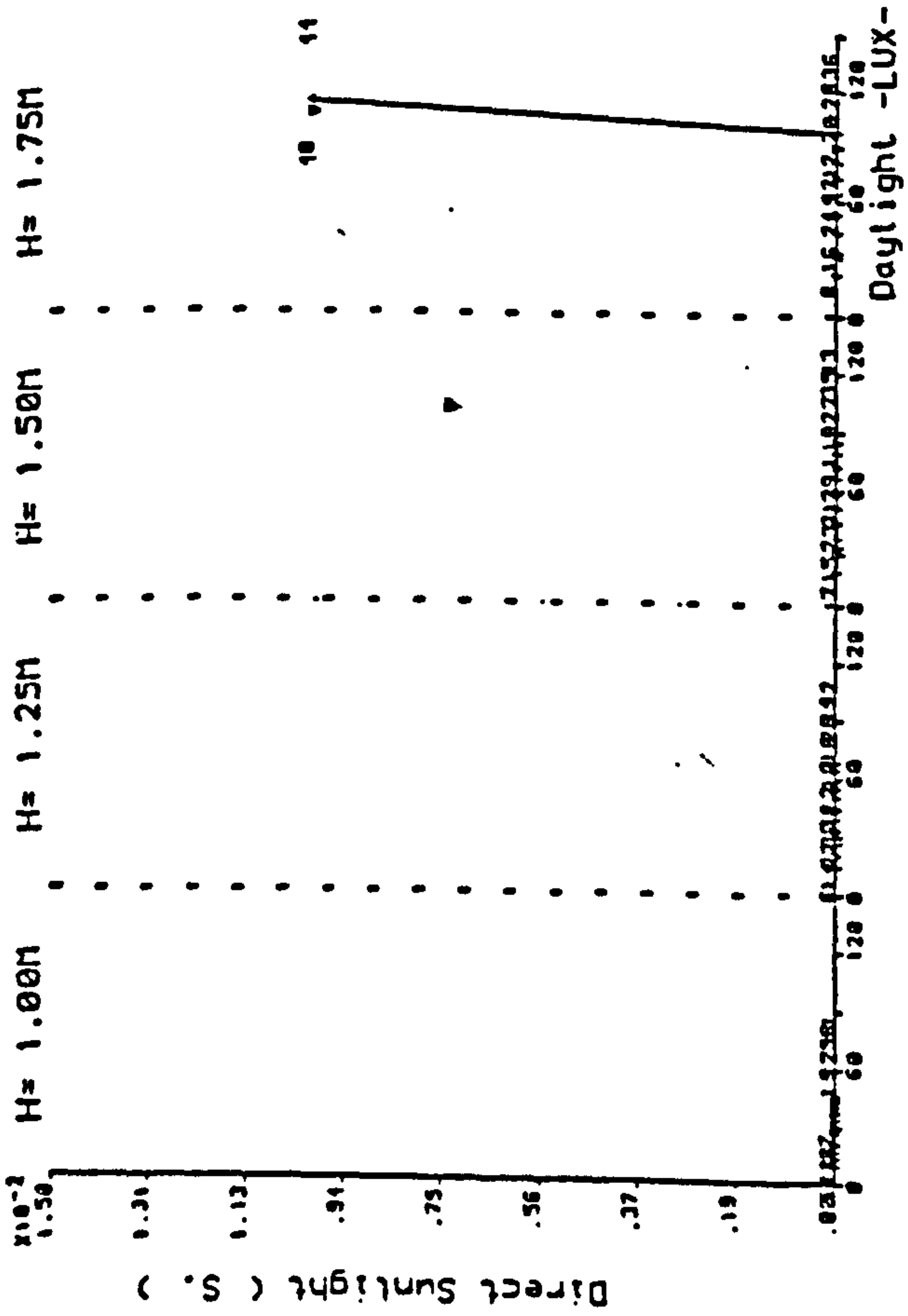
Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

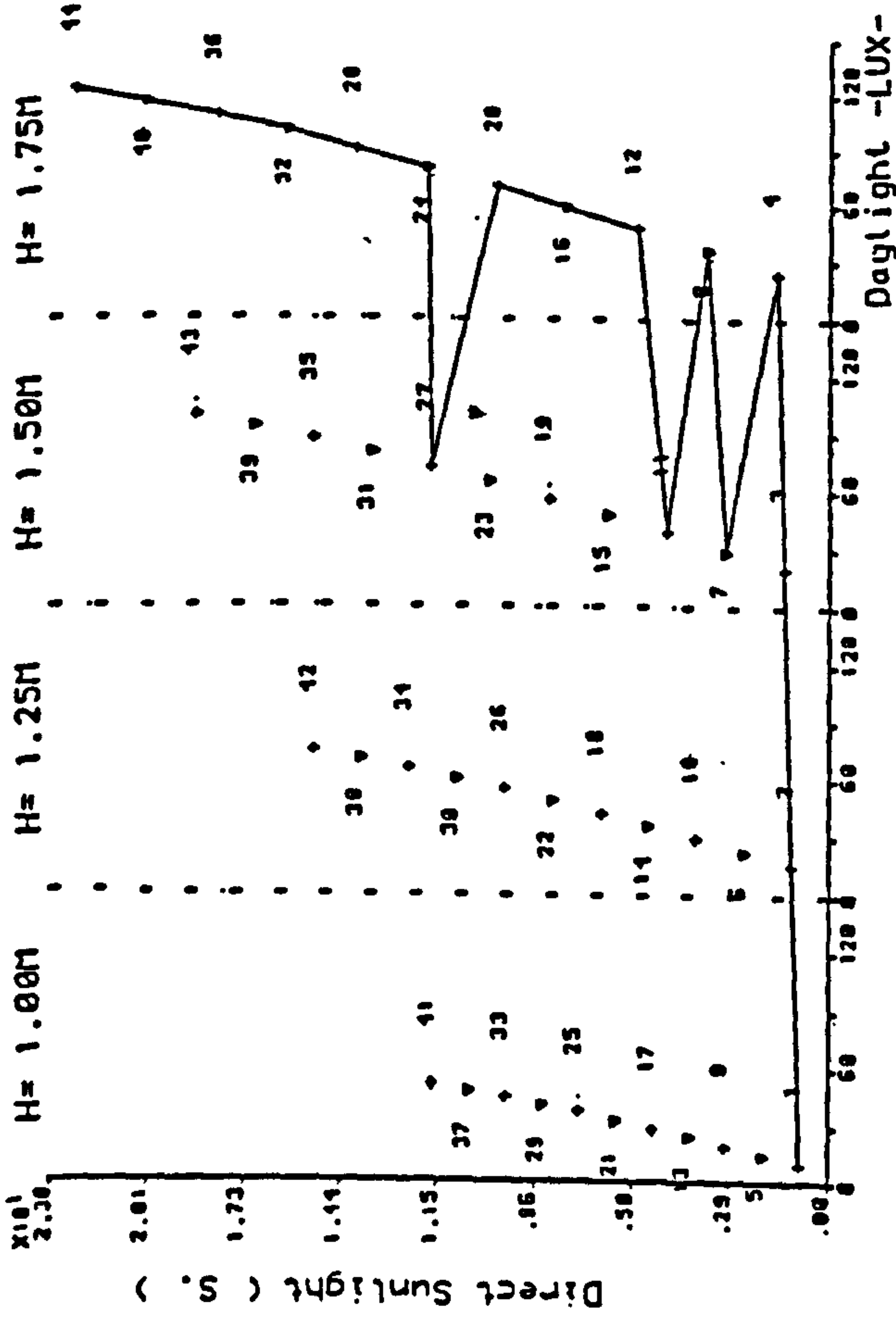
ORIENTATION	PAGE NO.
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22.5	1483
45	1484
67.5	1485
90	1486
112.5	1487
135	1488
157.5	1489
180	1490
202.5	1491
225	1492
247.5	1493
270	1494
292.5	1495
315	1496
337.5	1497



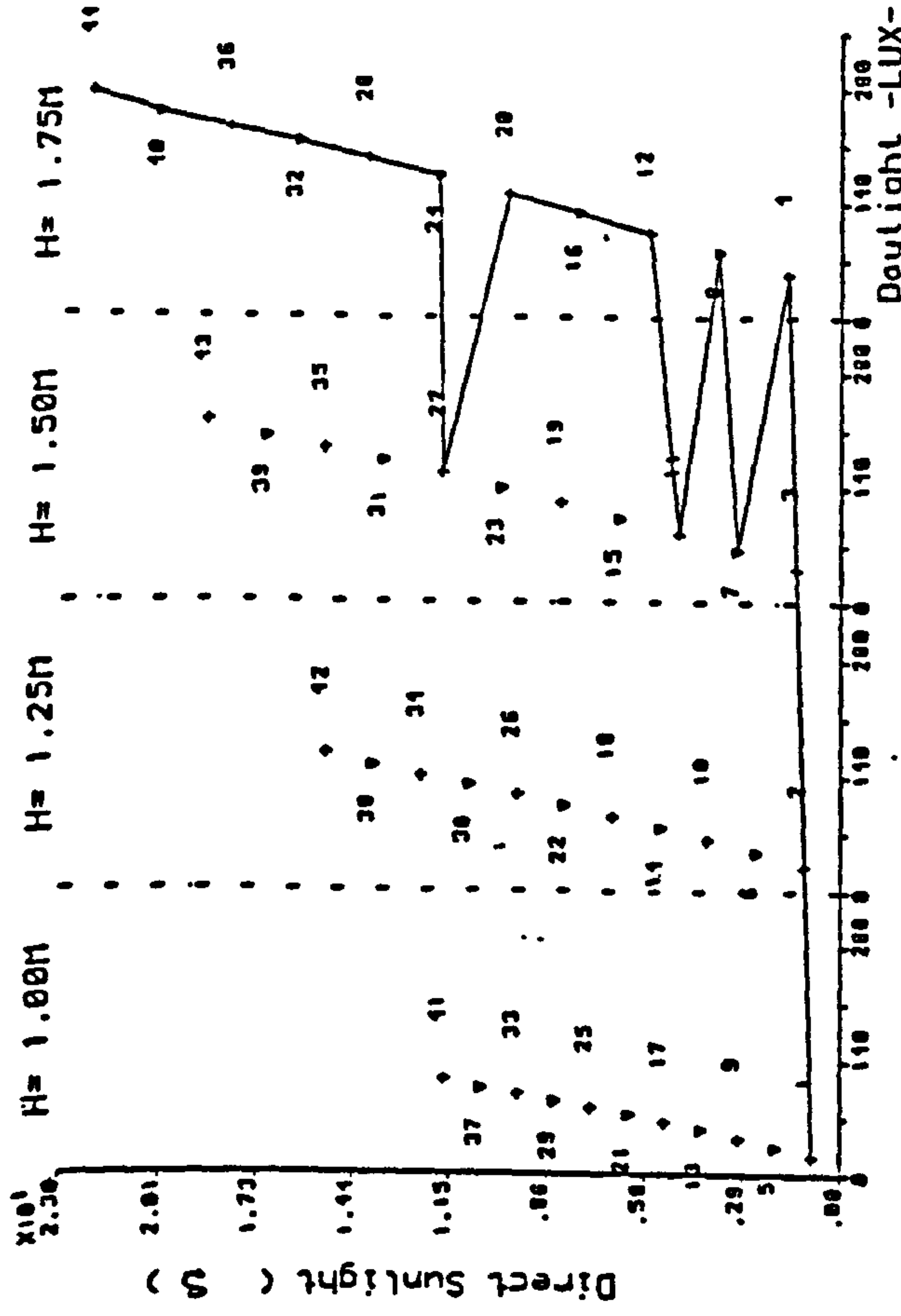
ARCHITECTURAL FLOOR PLAN



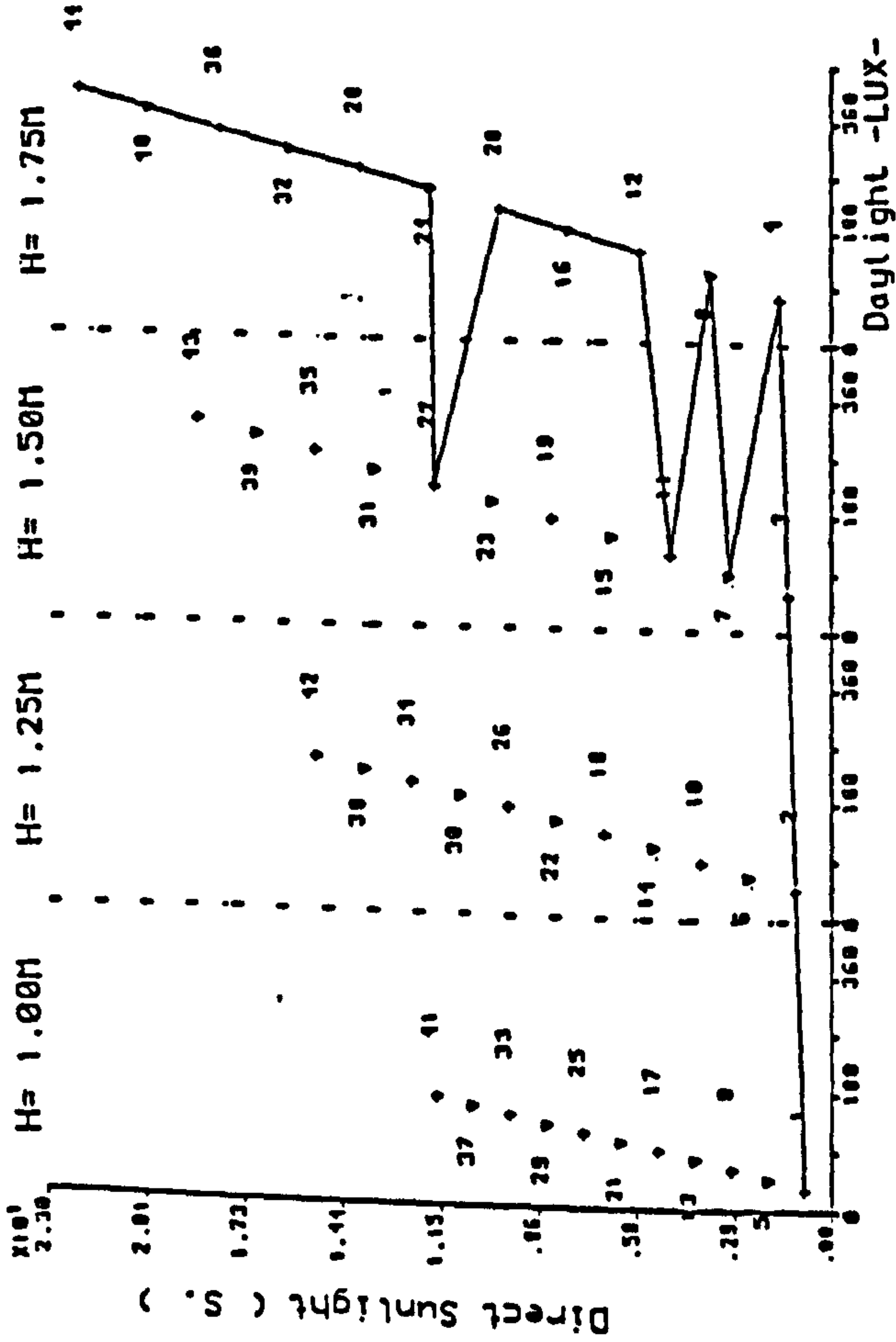




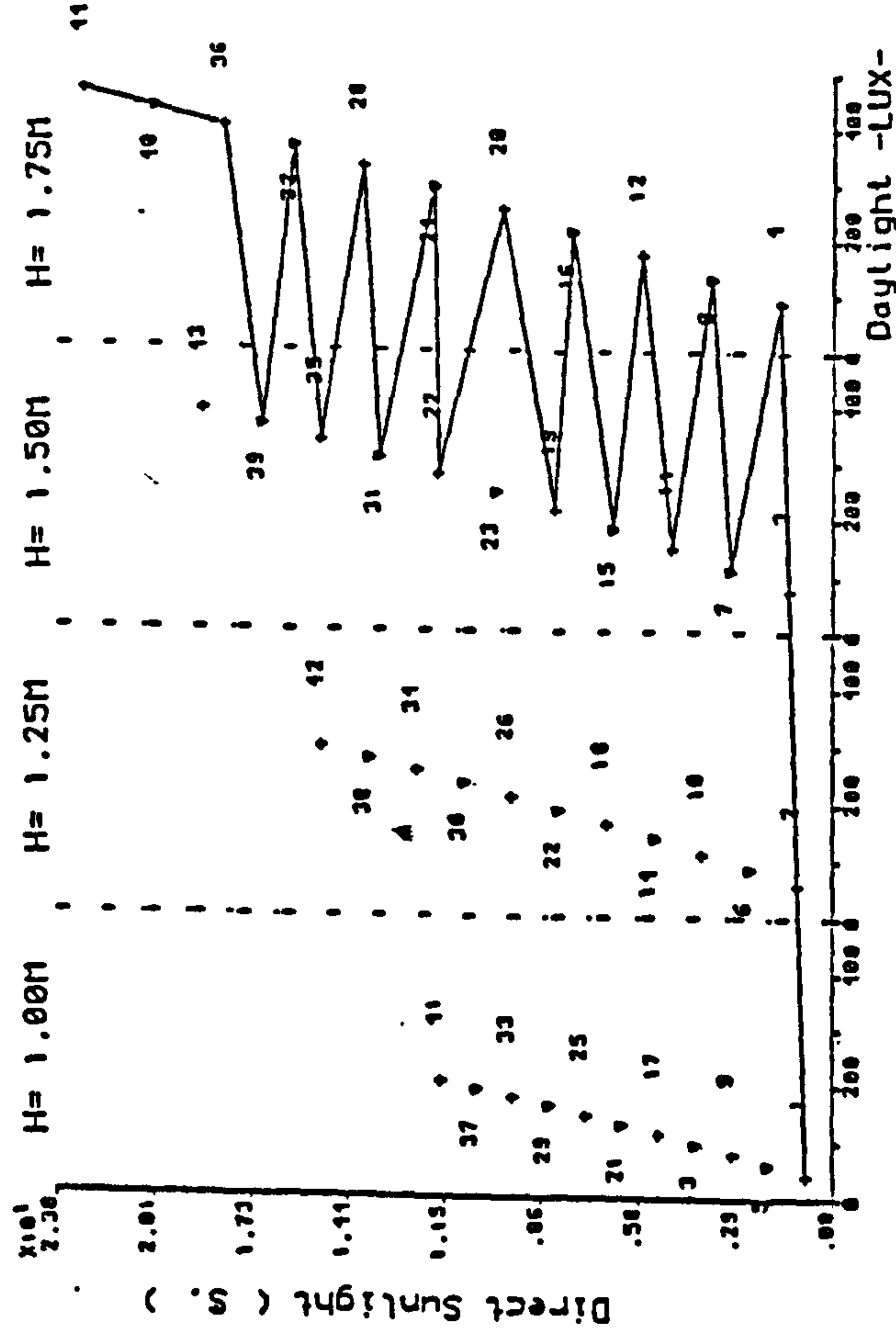
INTERHOUSE DISTANCE - 1.0 M -



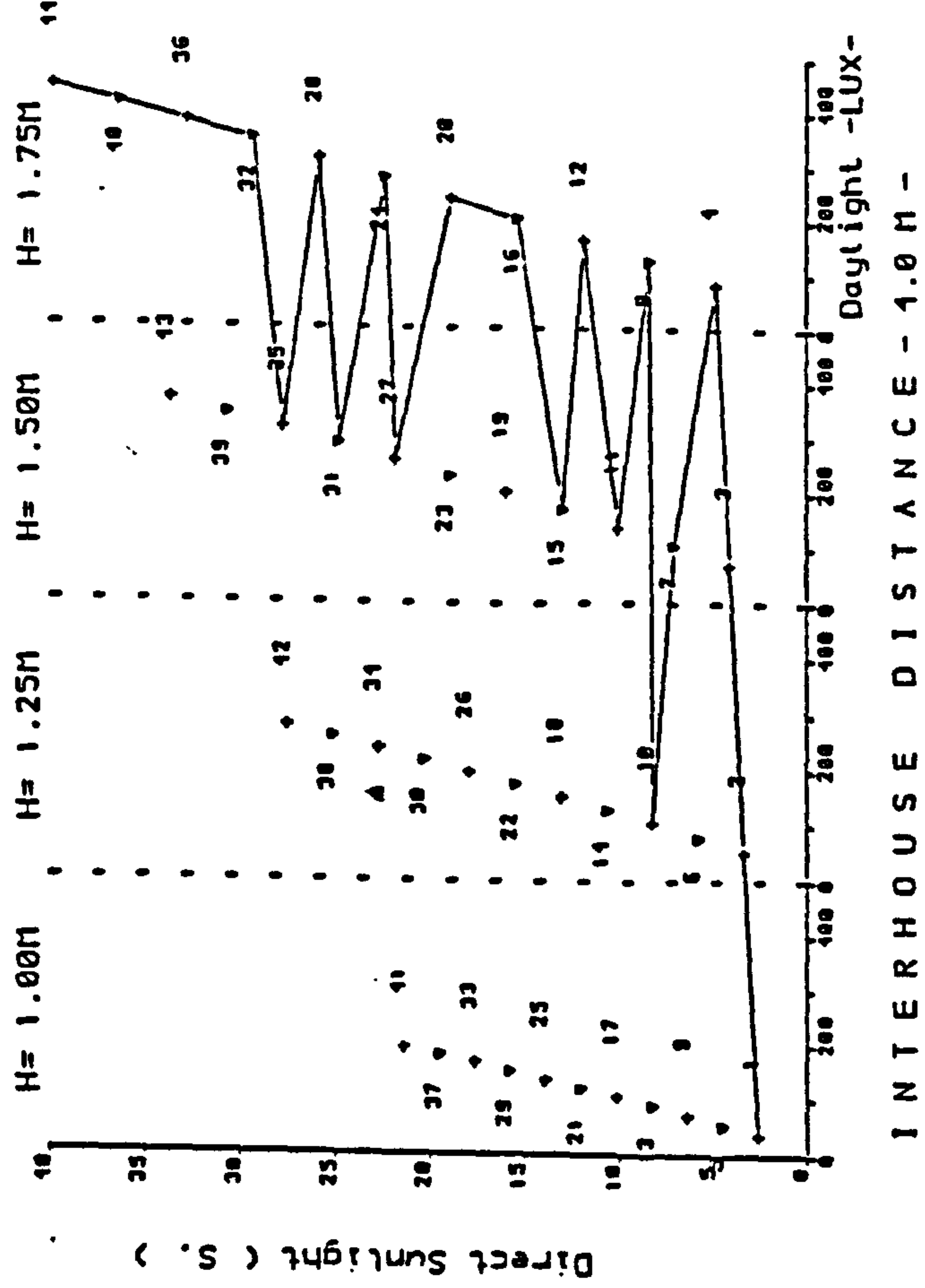
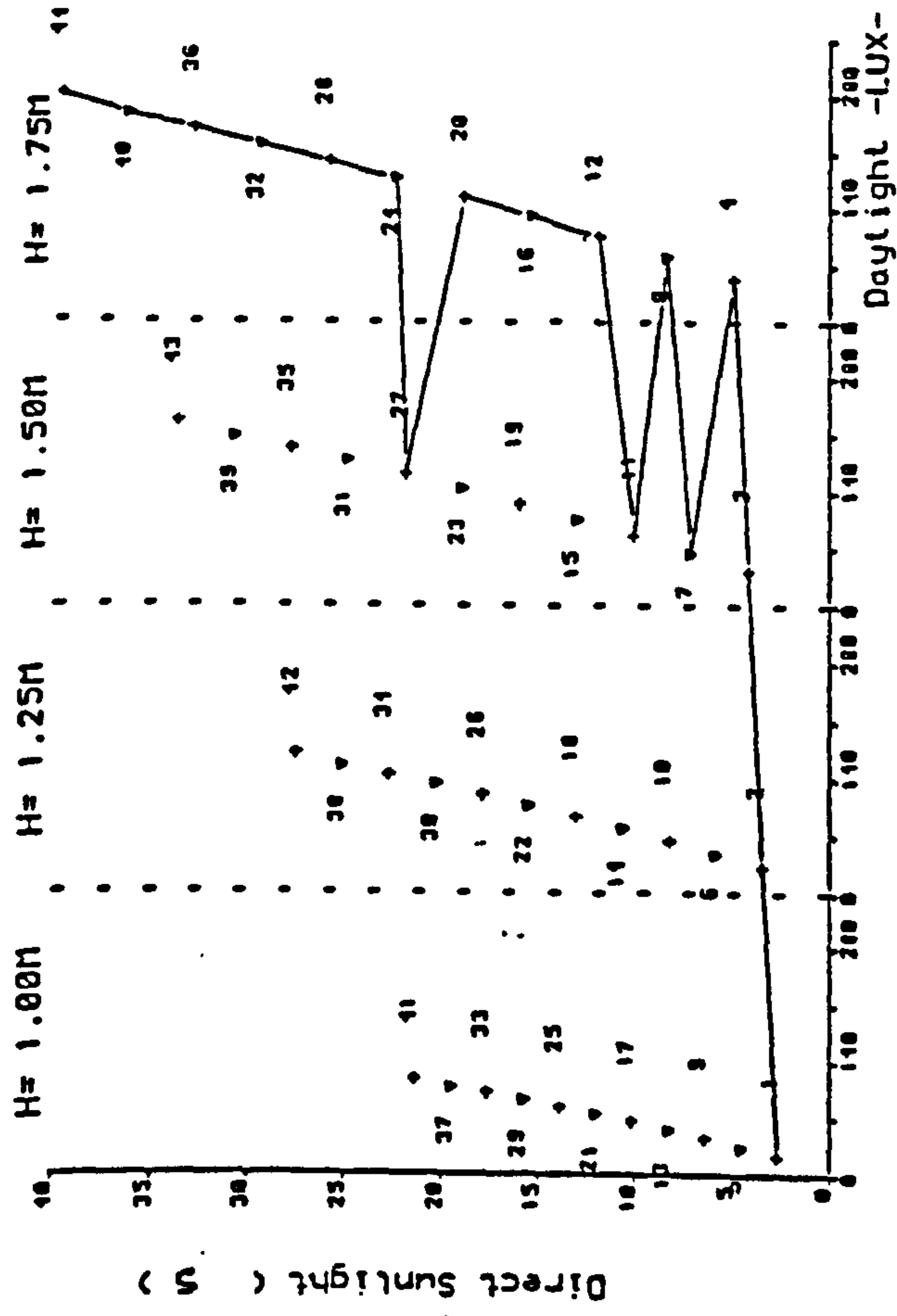
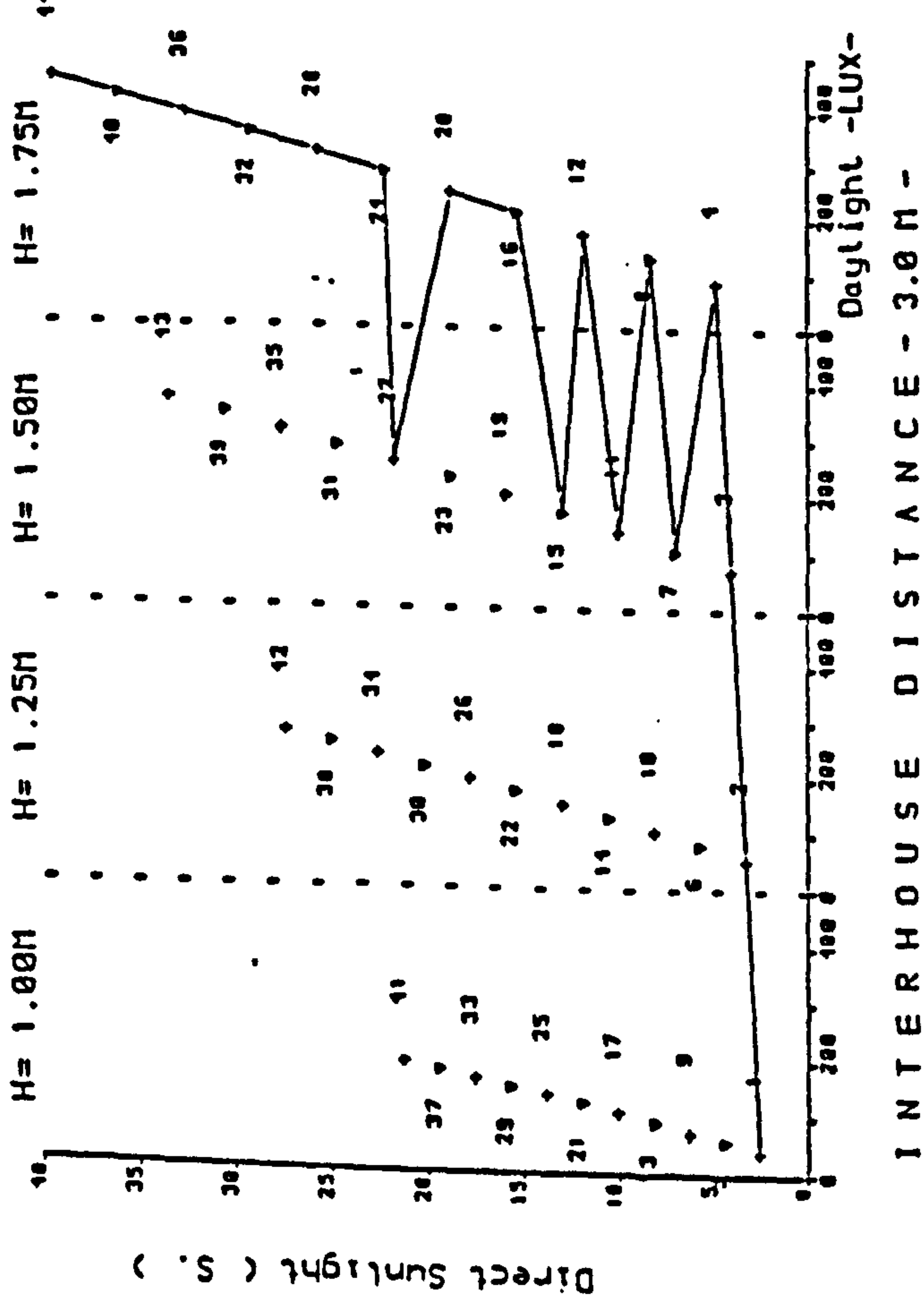
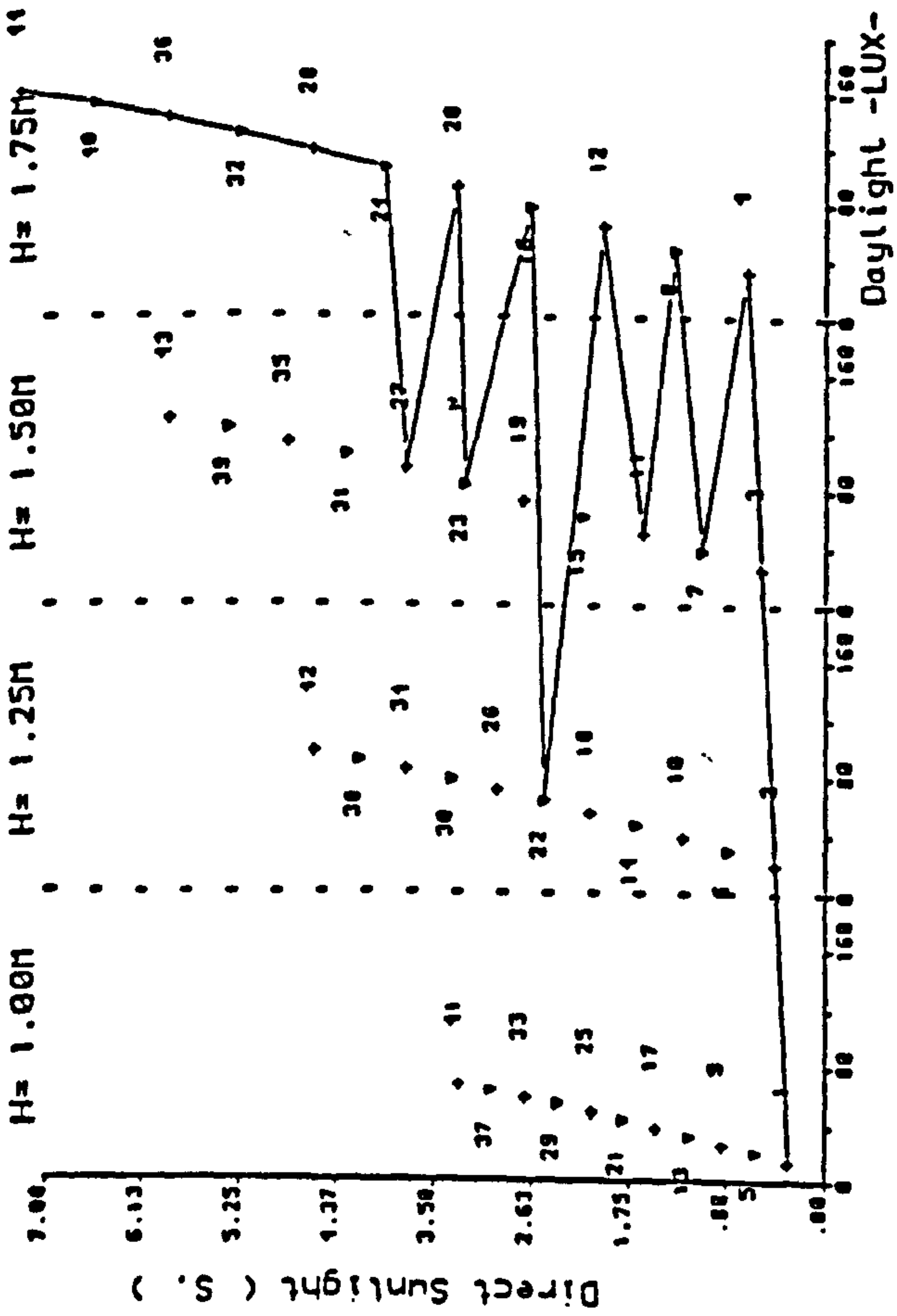
INTERHOUSE DISTANCE - 2.0 M -

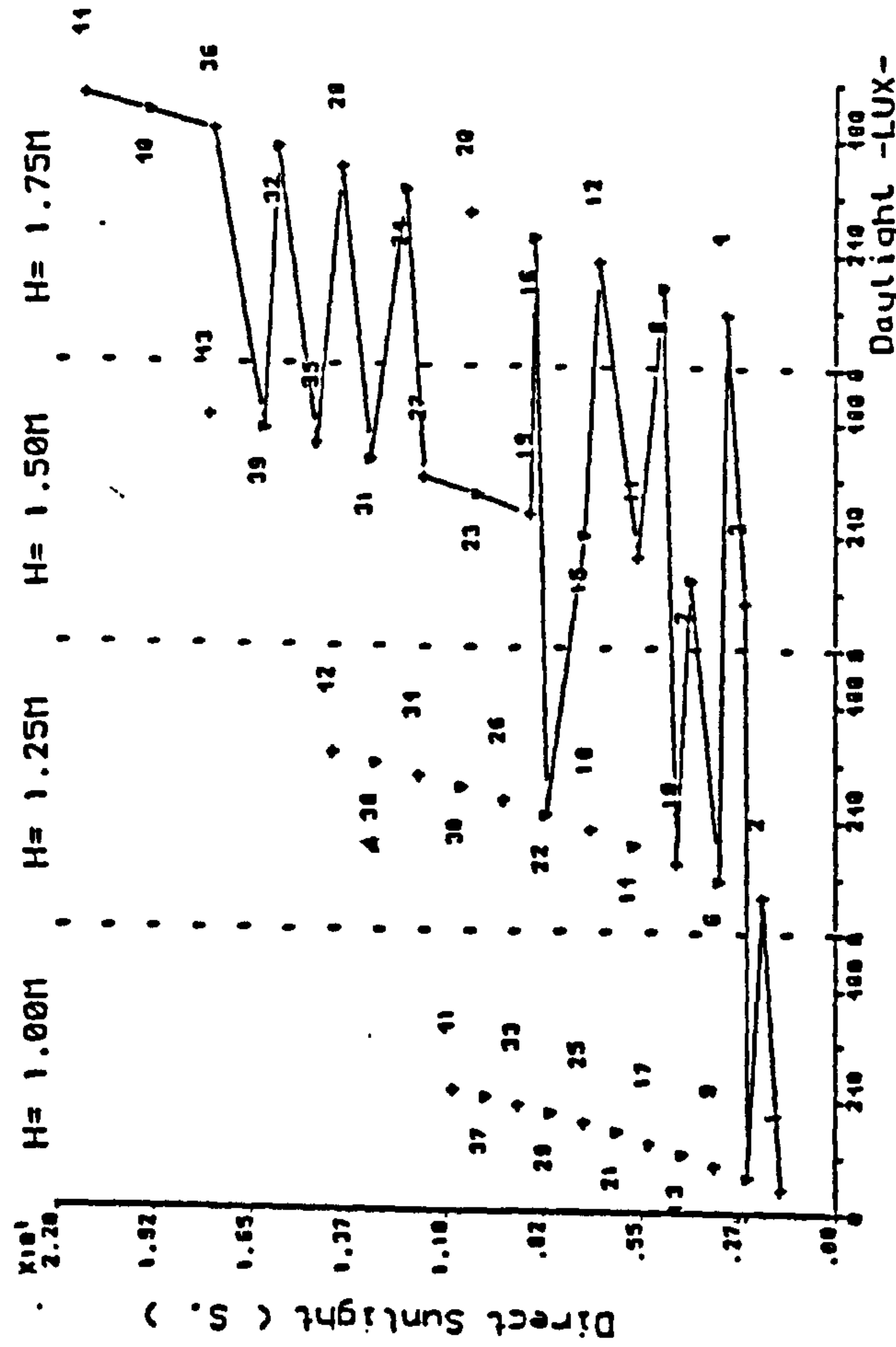
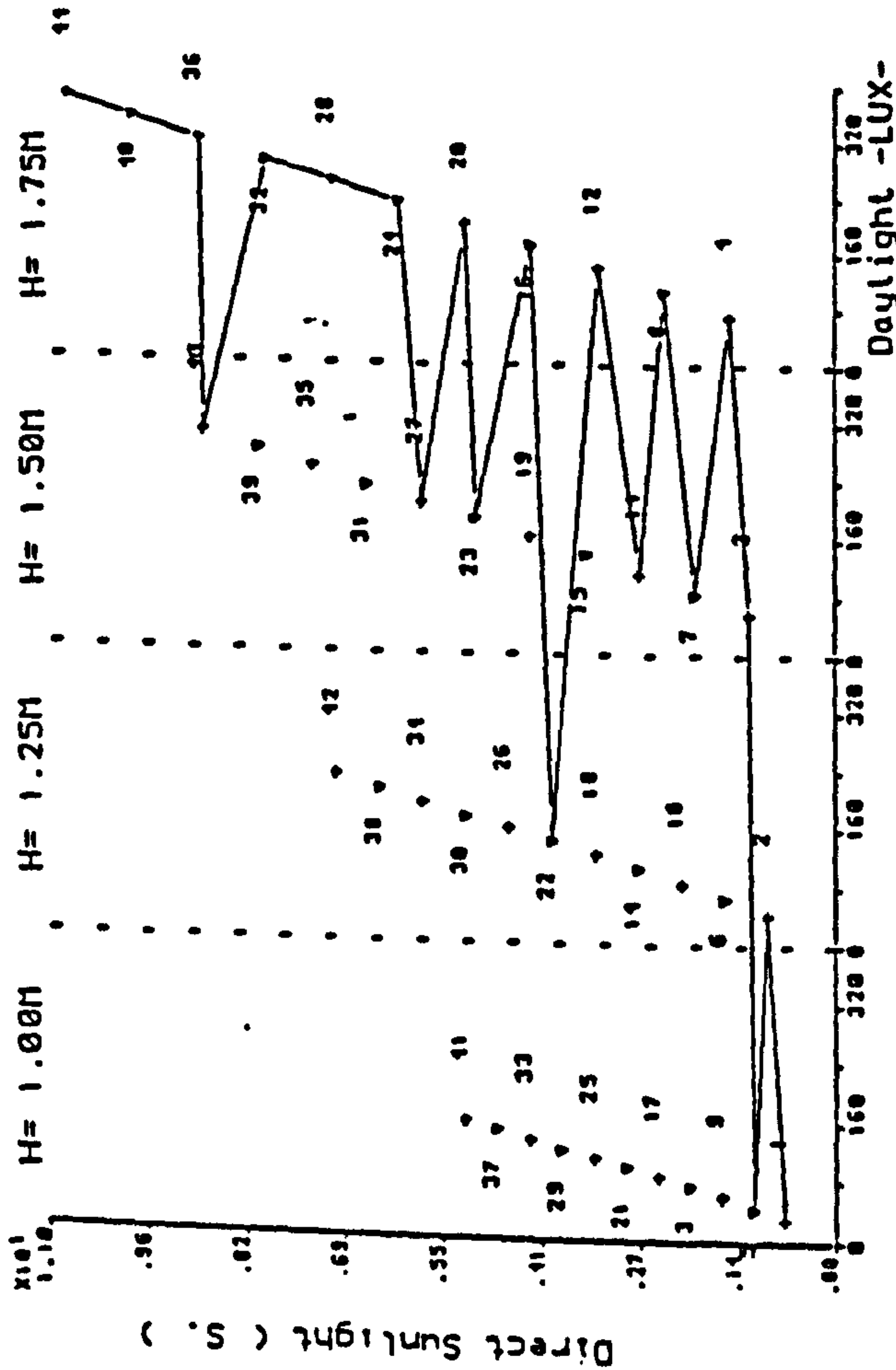
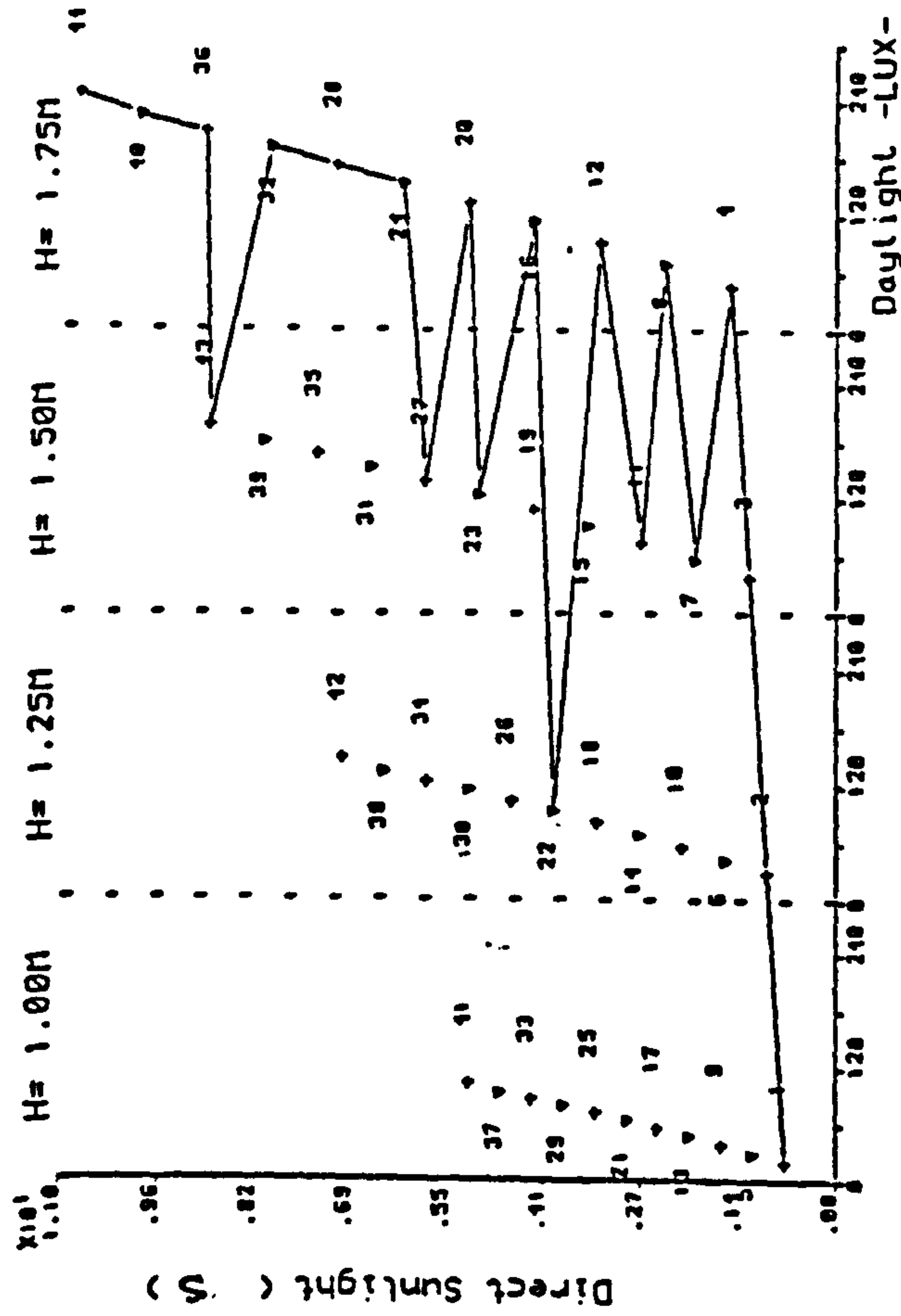
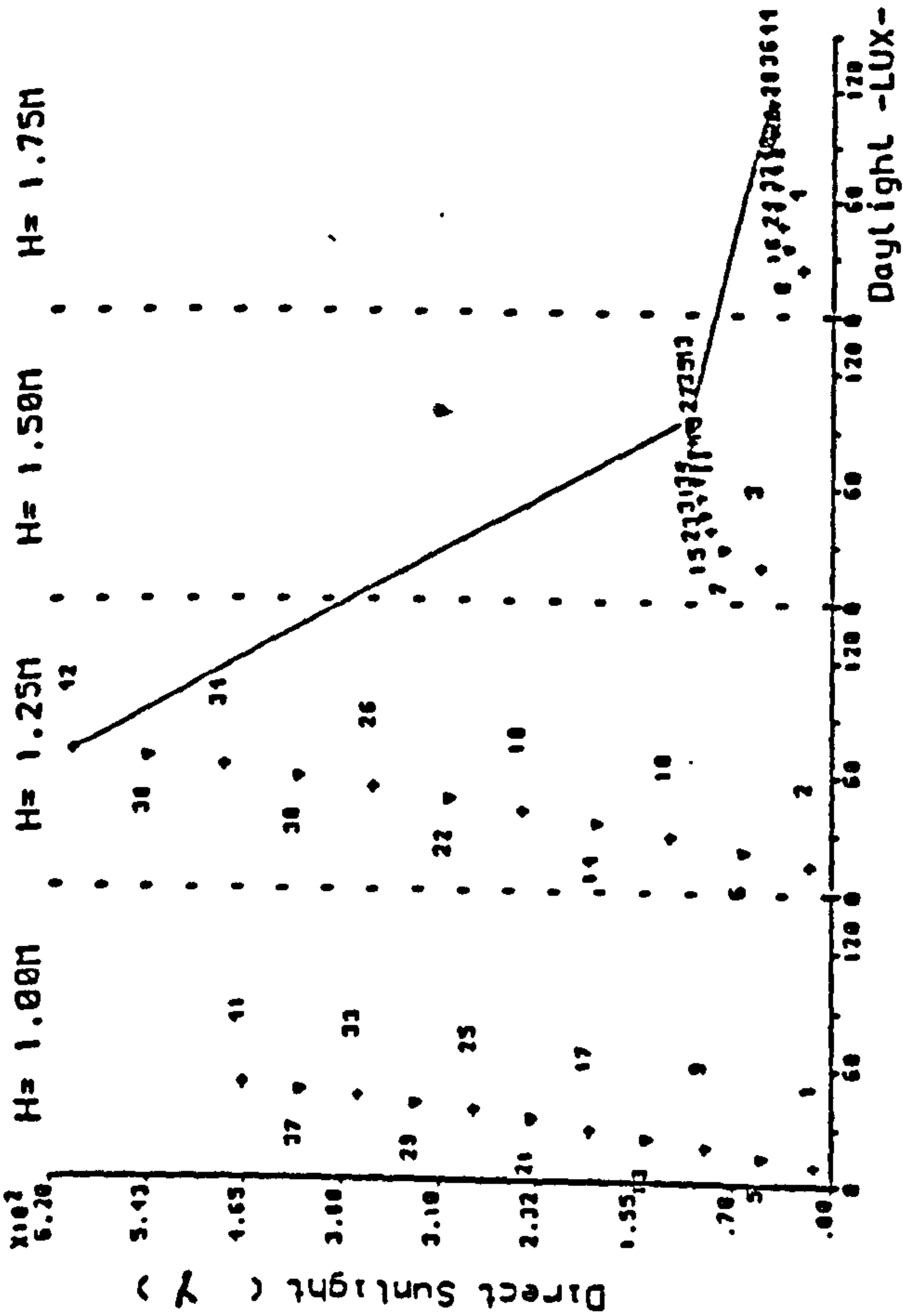


INTERHOUSE DISTANCE - 3.0 M -



INTERHOUSE DISTANCE - 4.0 M -



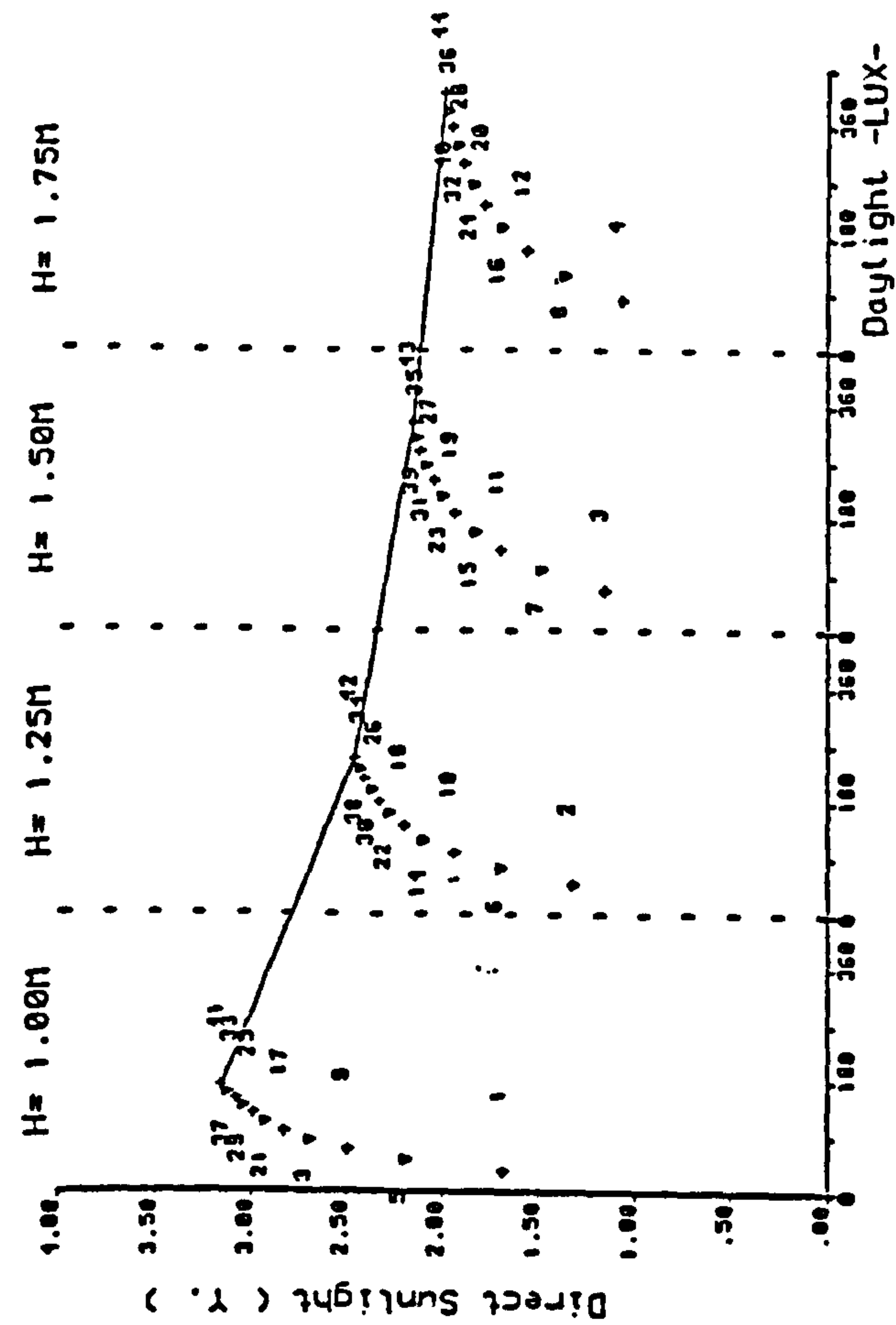


INTERHOUSE DISTANCE - 2.0 M -

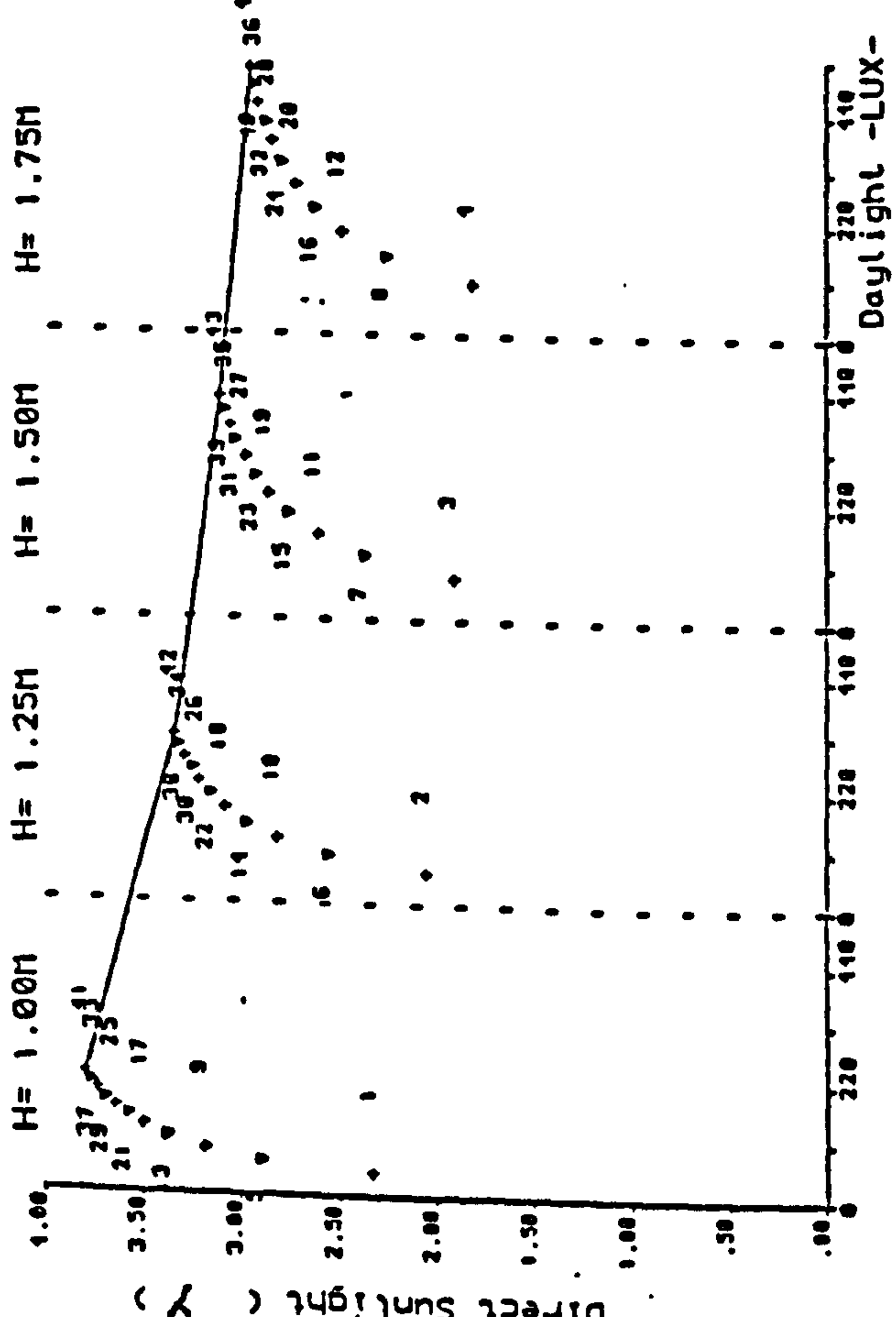
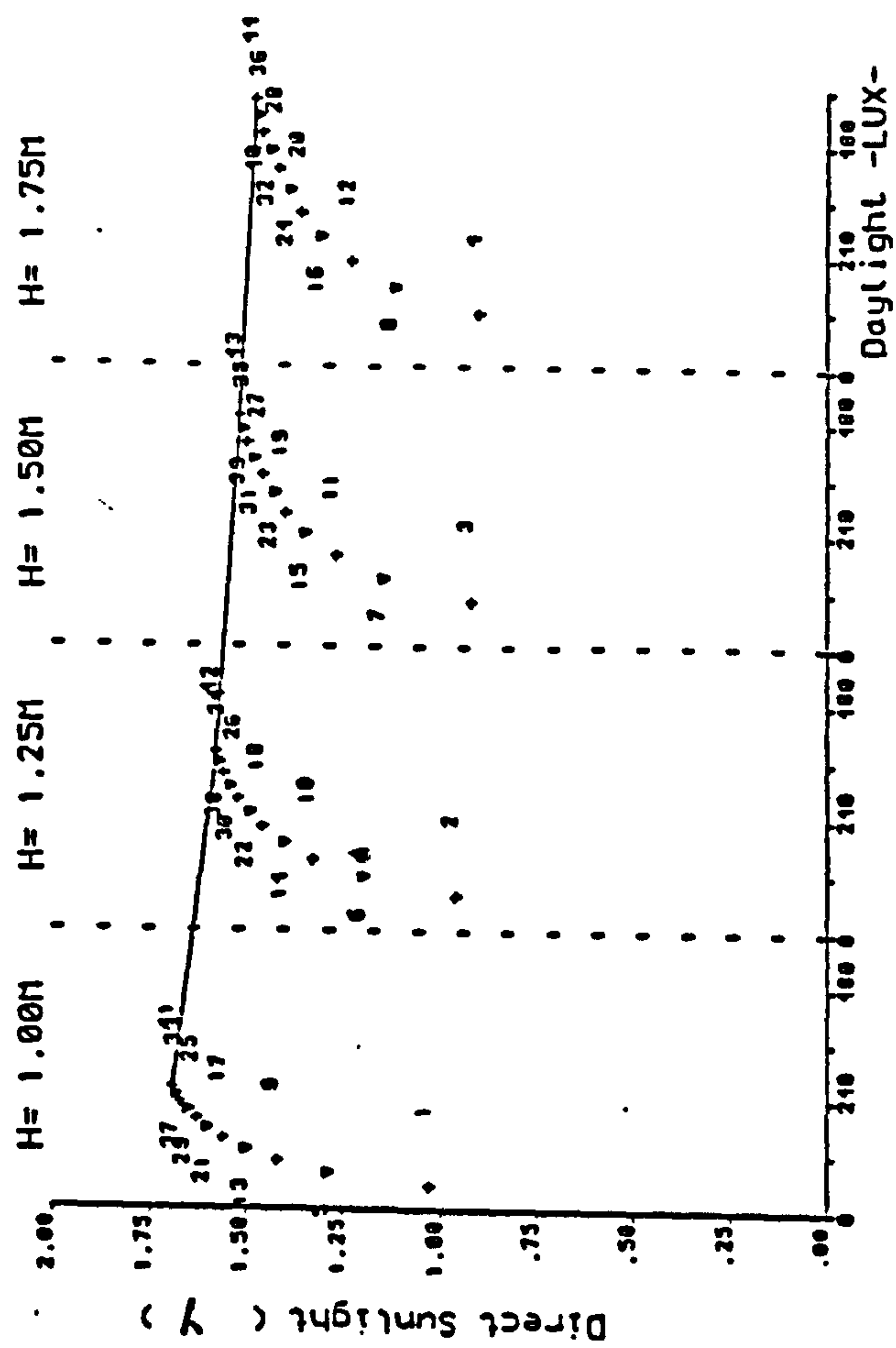
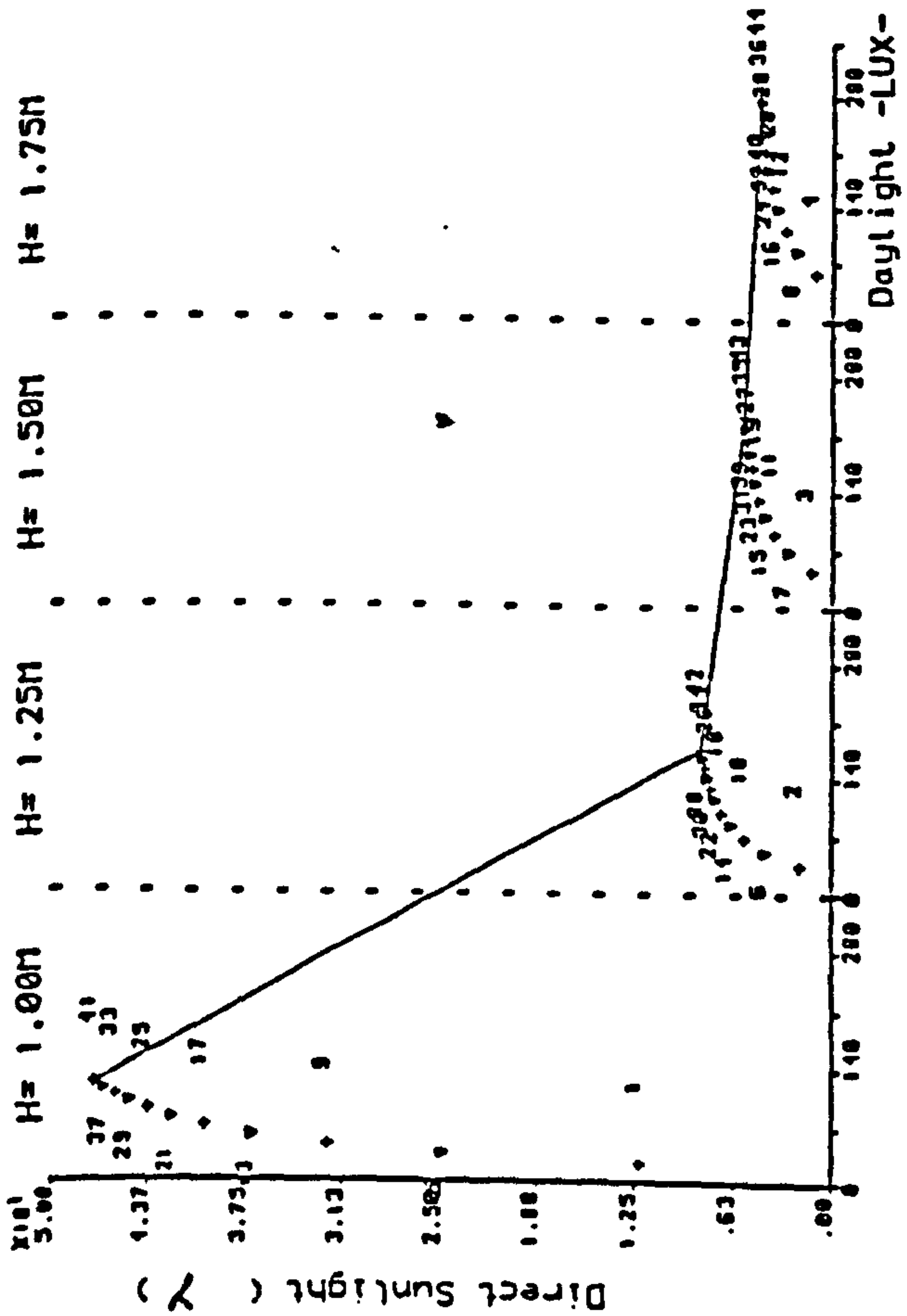
INTERHOUSE DISTANCE - 4.0 M -

INTERHOUSE DISTANCE - 1.0 M -

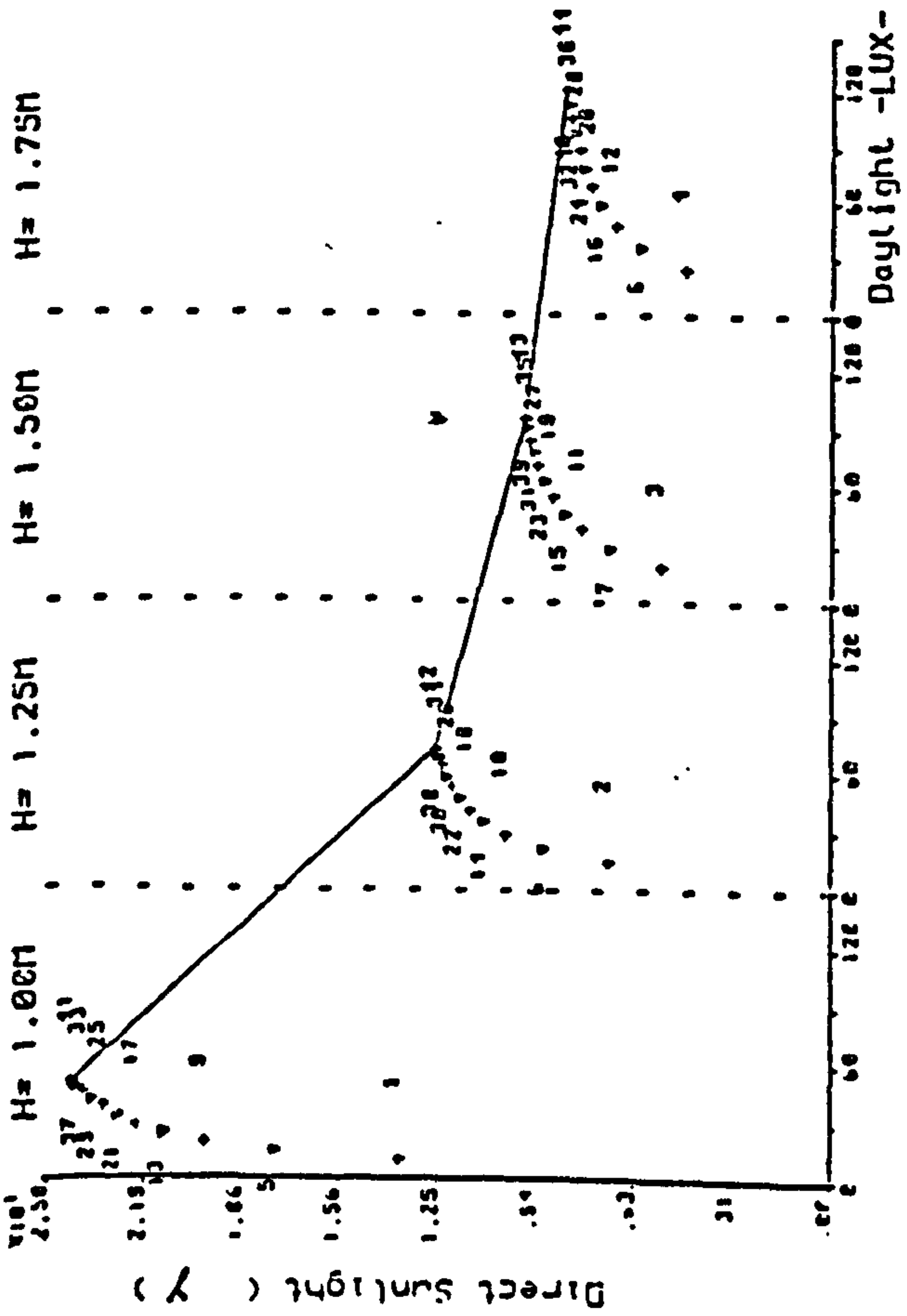
INTERHOUSE DISTANCE - 3.0 M -



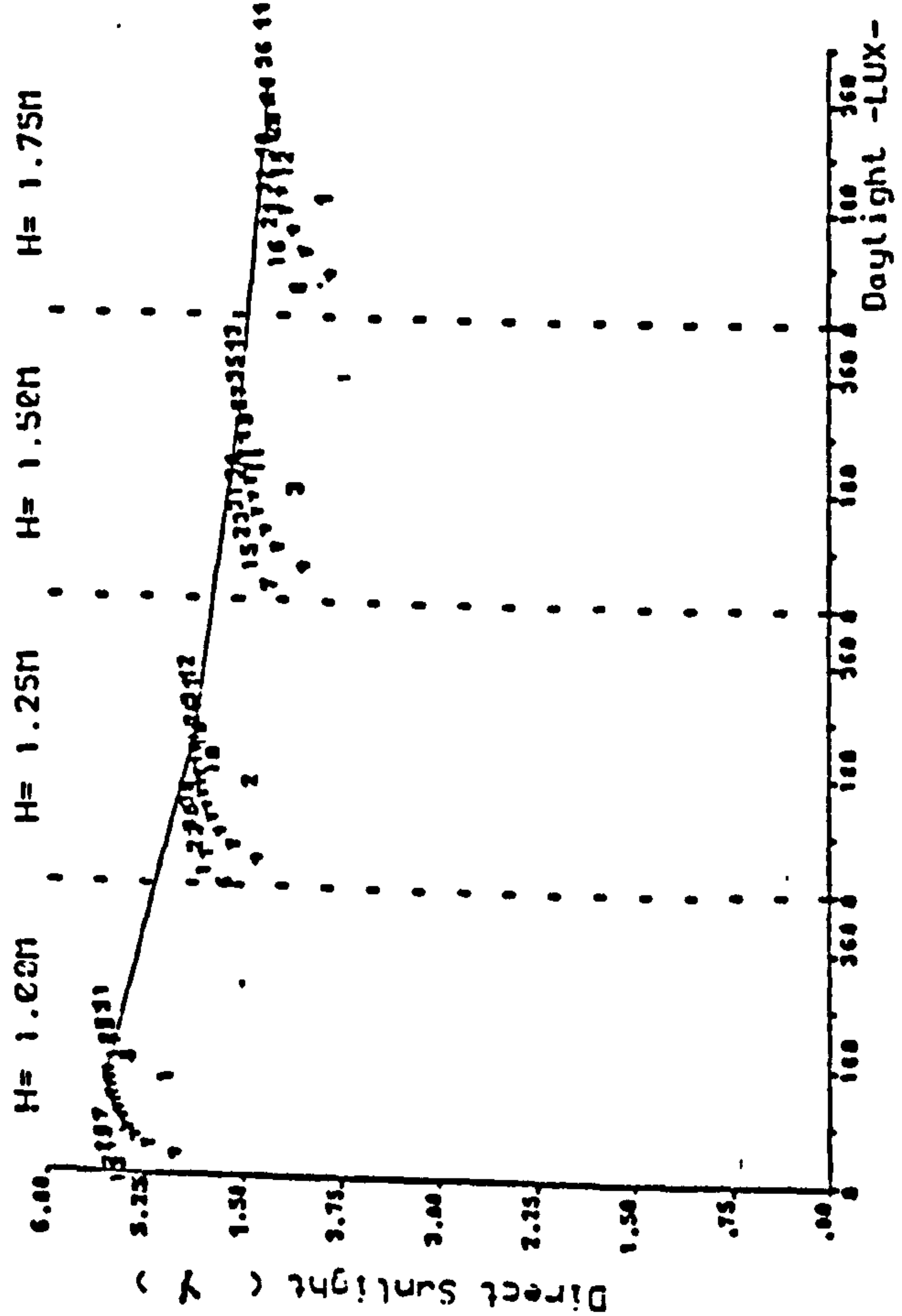
INTERHOUSE DISTANCE - 1.0 M -



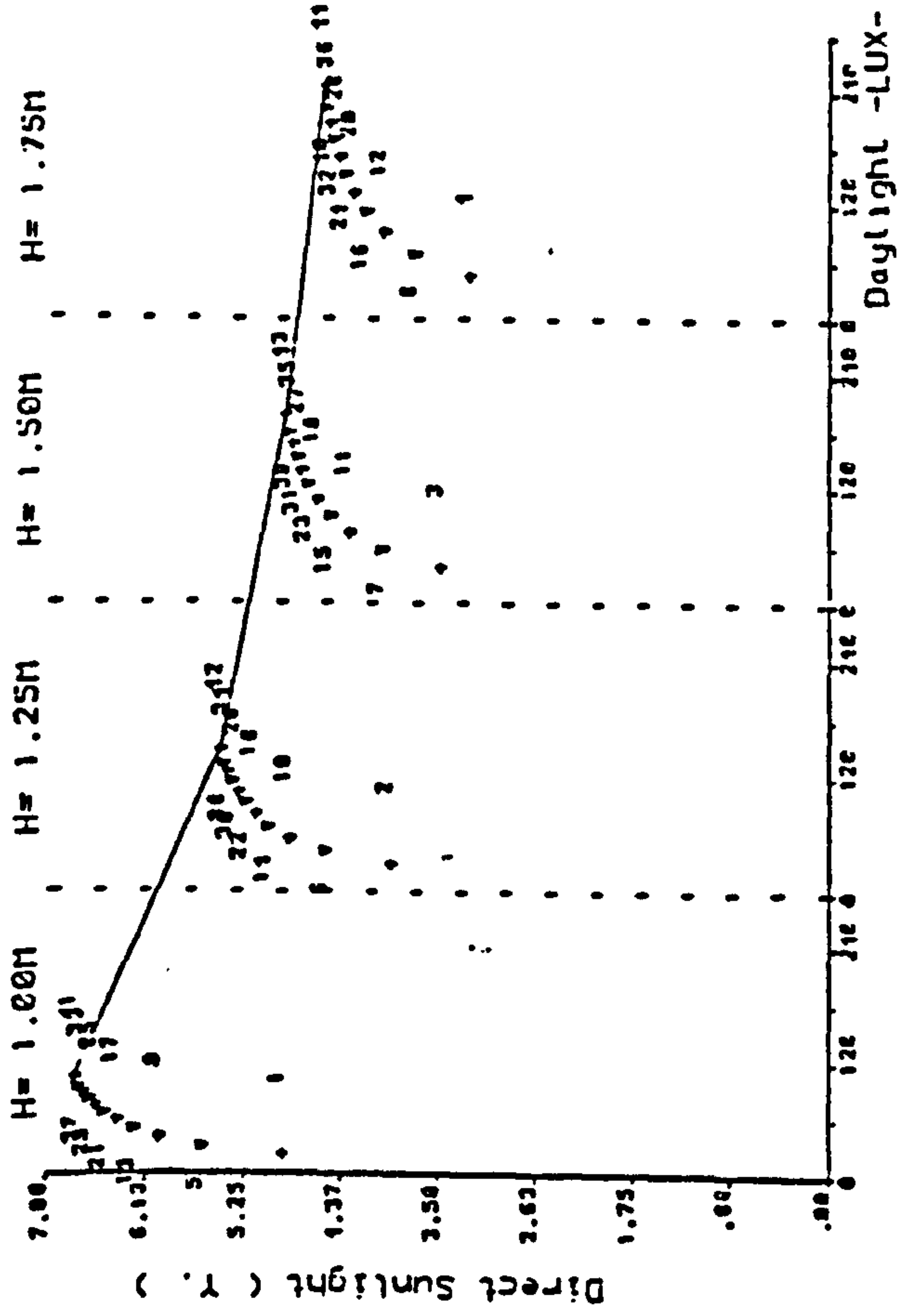




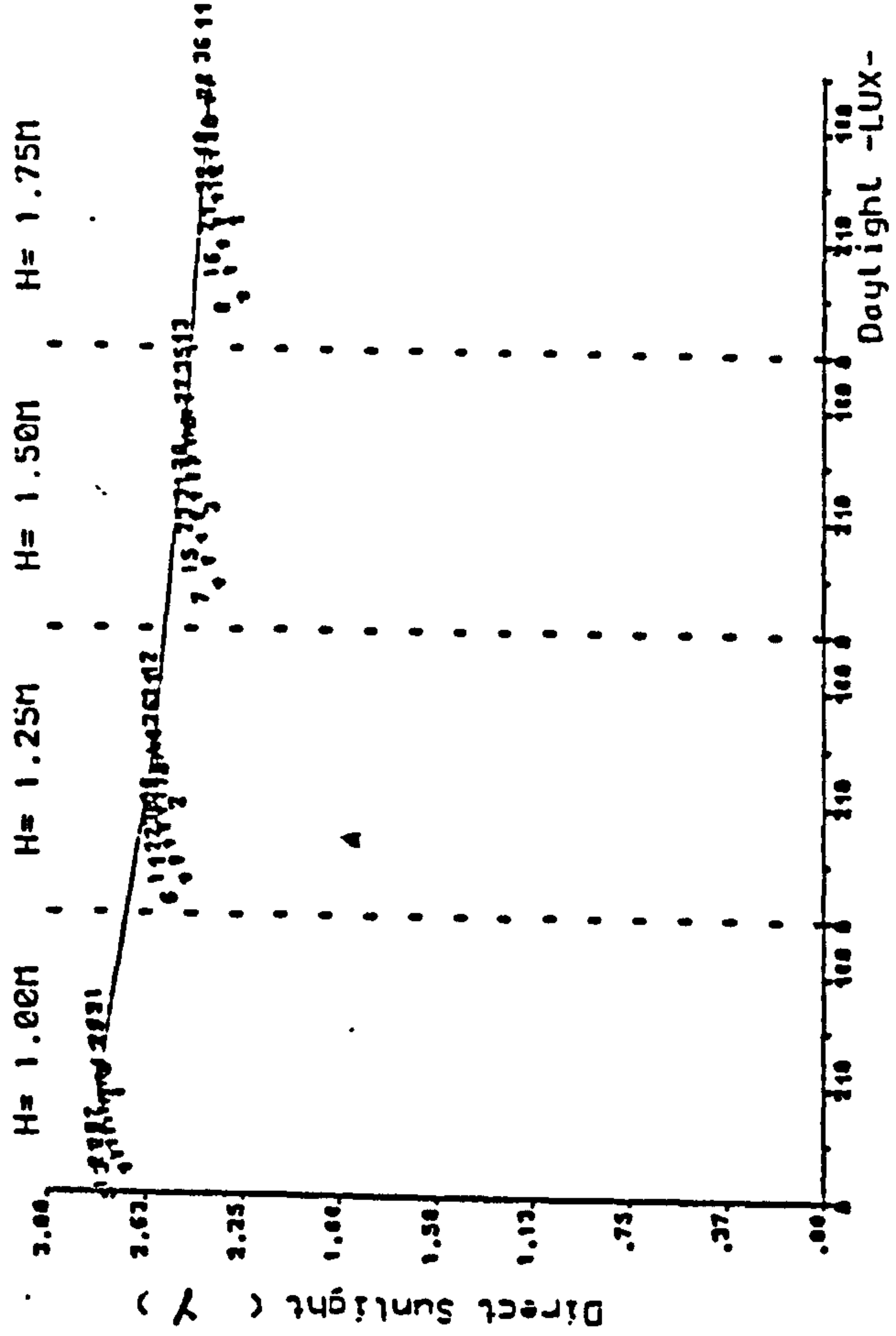
INTERHOUSE DISTANCE - 1.0 M -



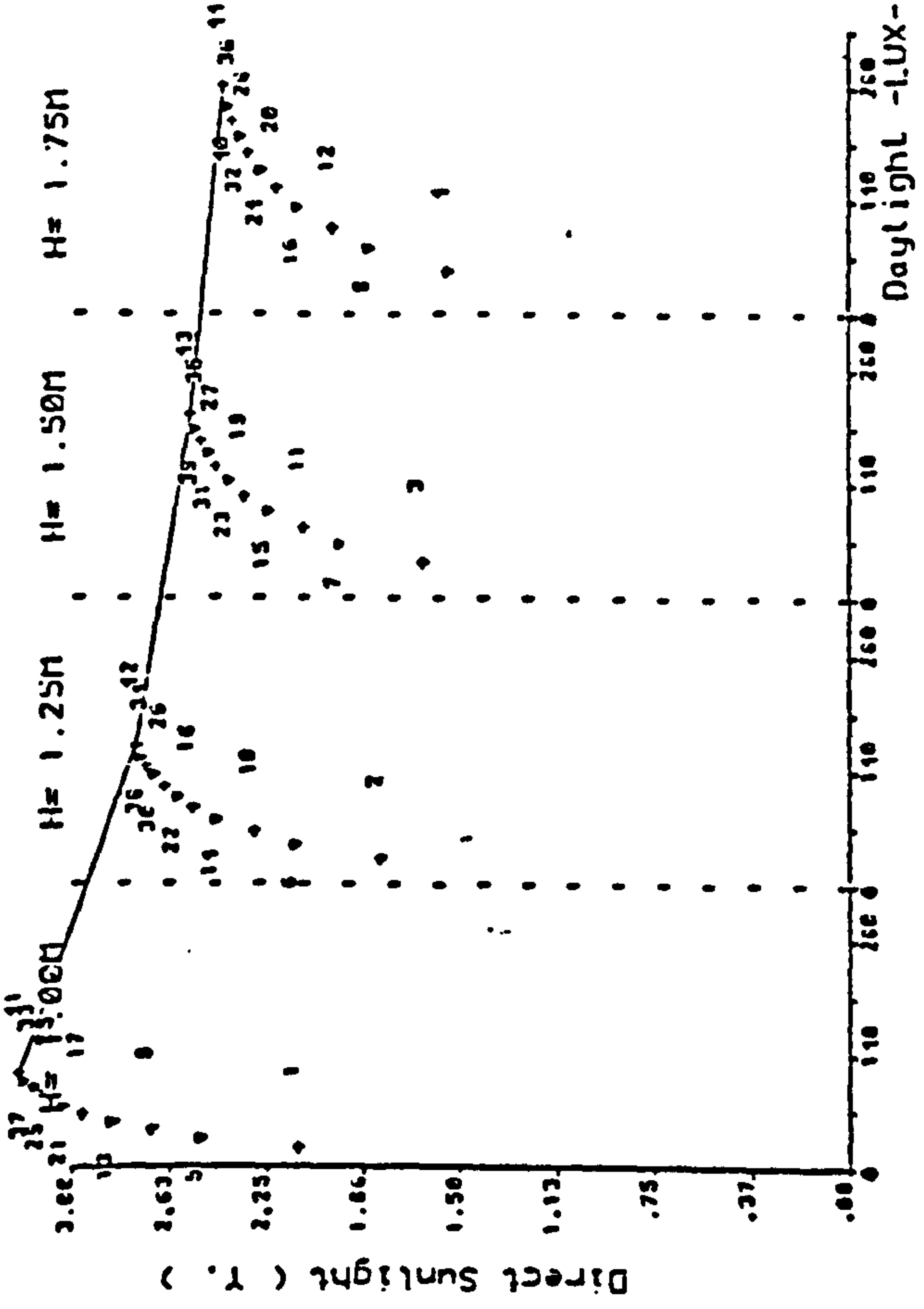
INTERHOUSE DISTANCE - 3.0 M -



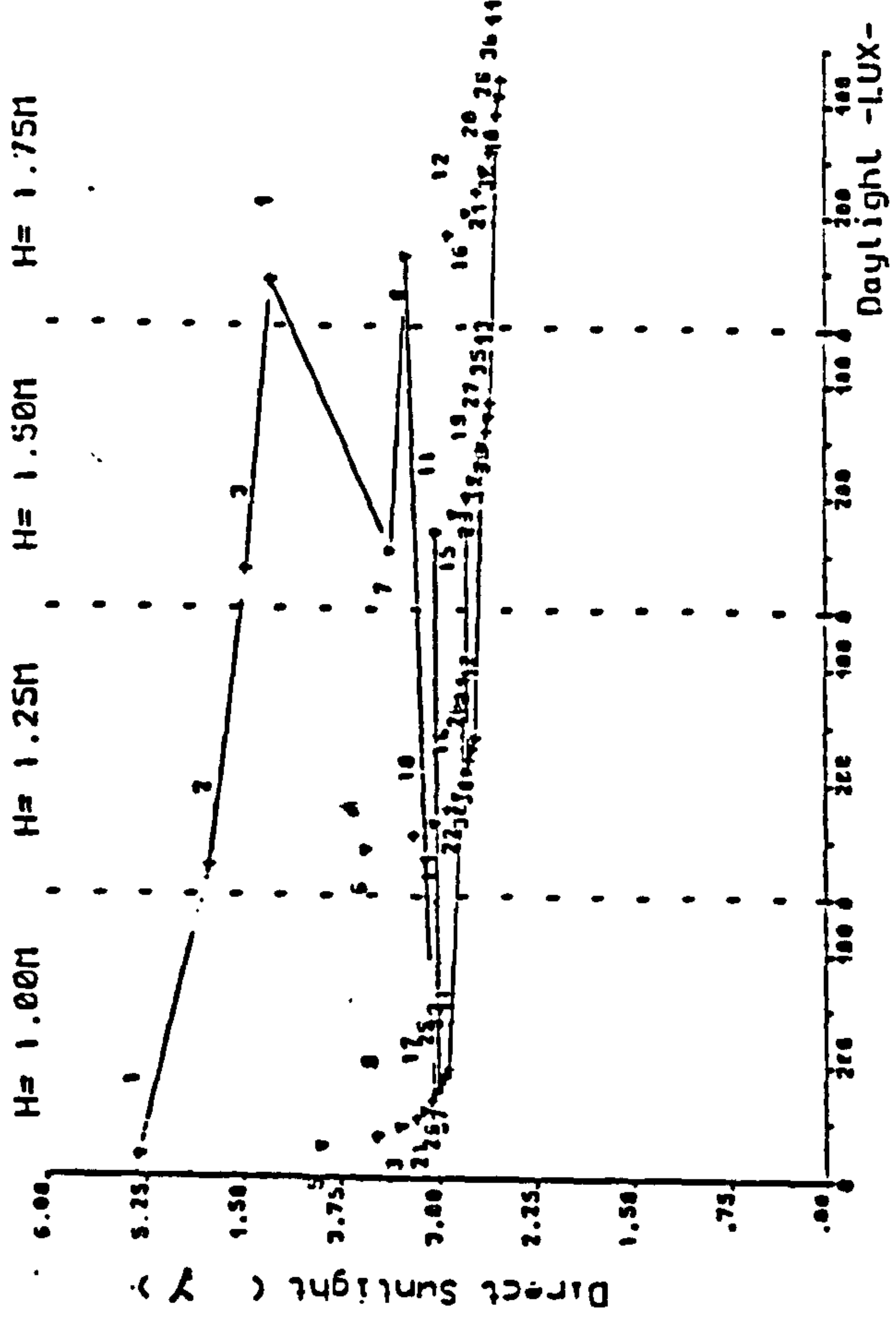
INTERHOUSE DISTANCE - 2.0 M -



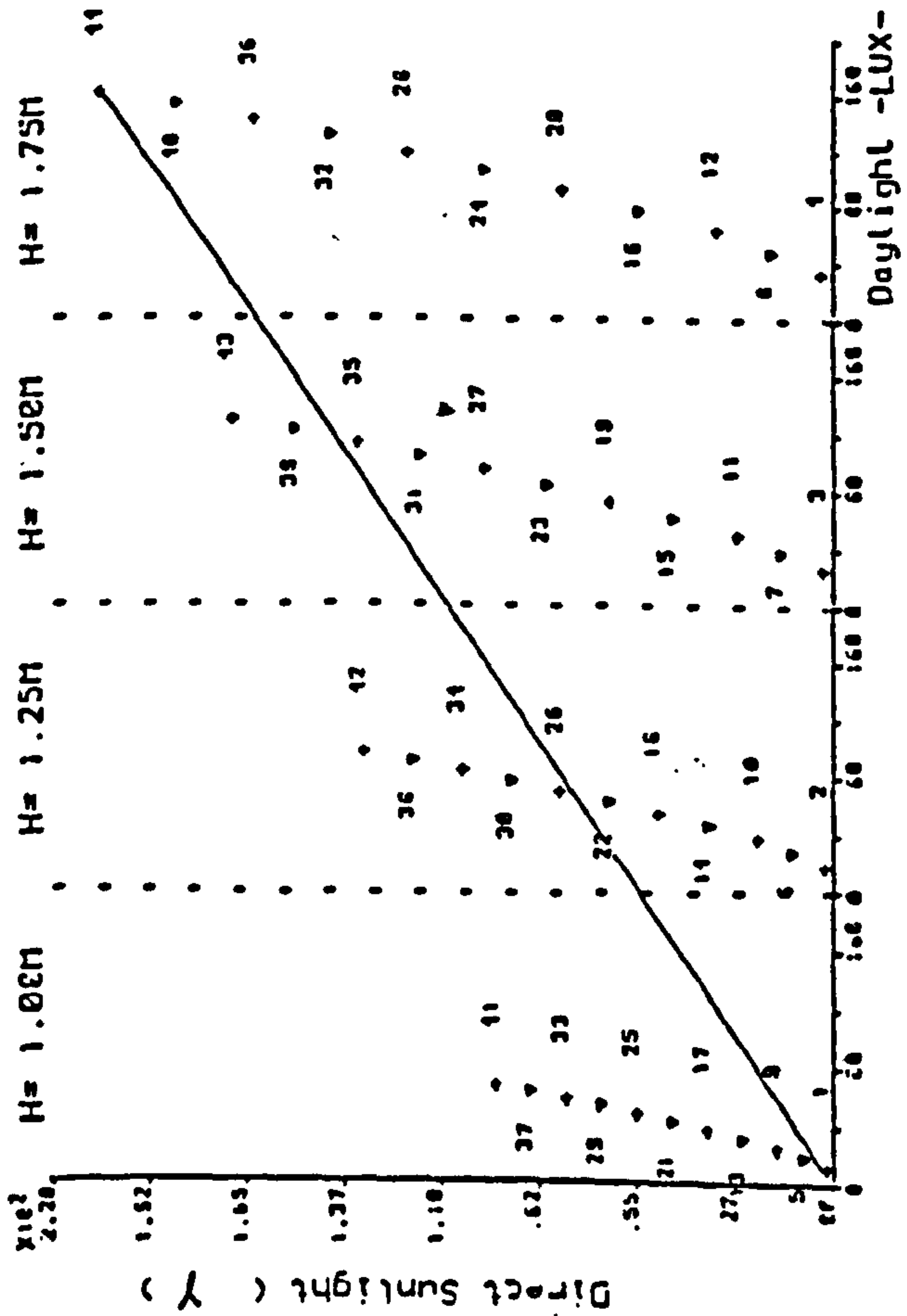
INTERHOUSE DISTANCE - 4.0 M -



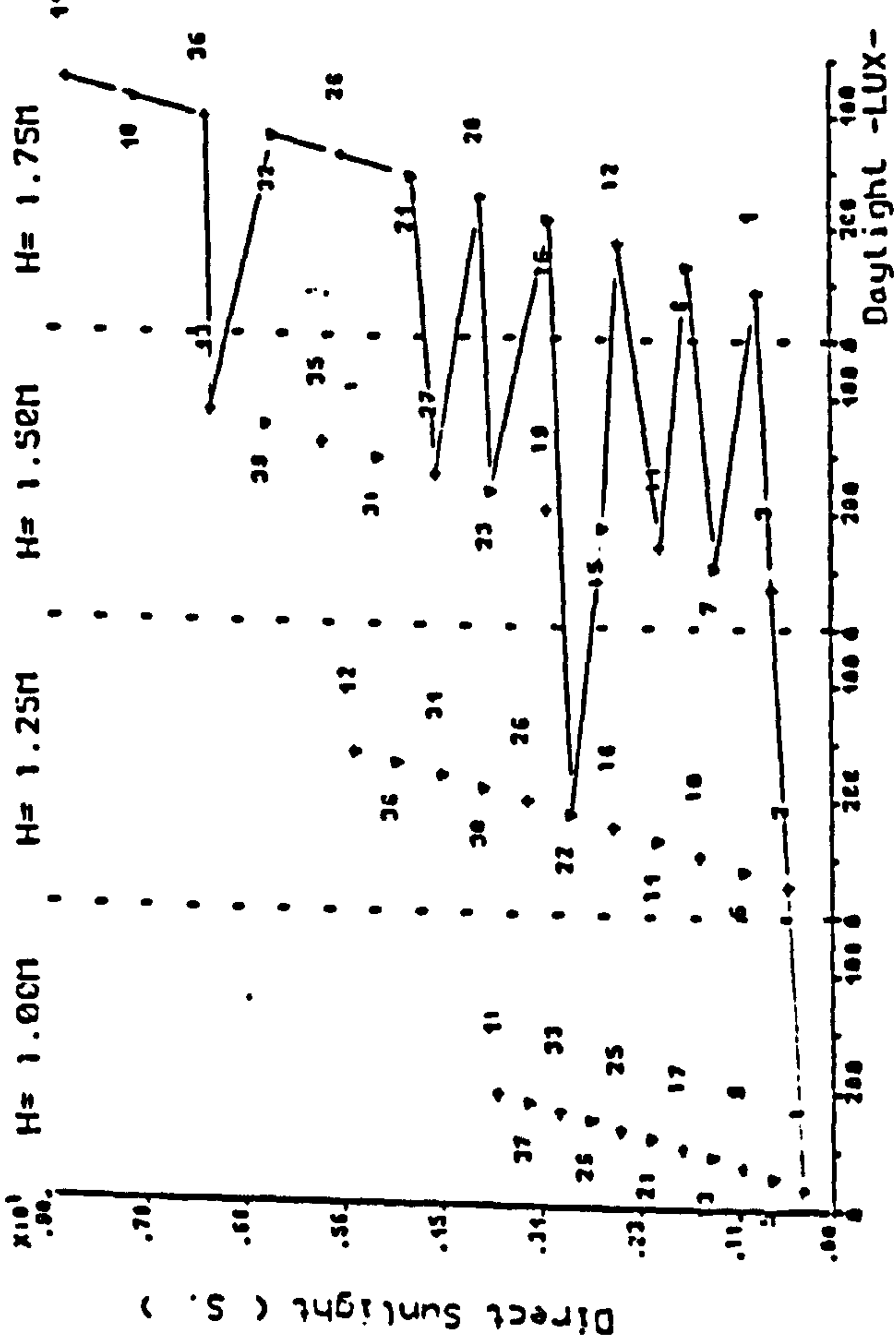
INTERHOUSE DISTANCE - 2.0 M -



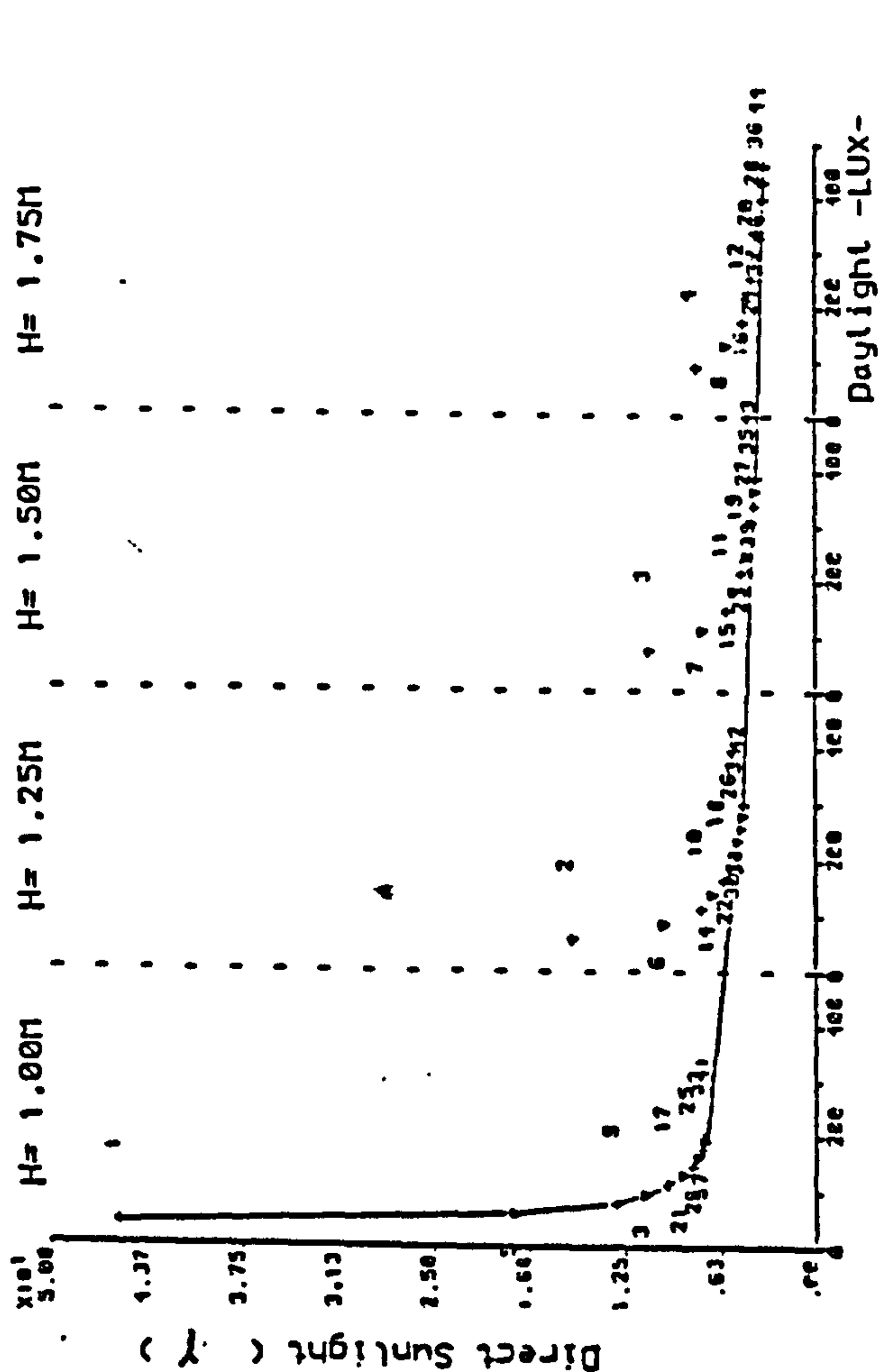
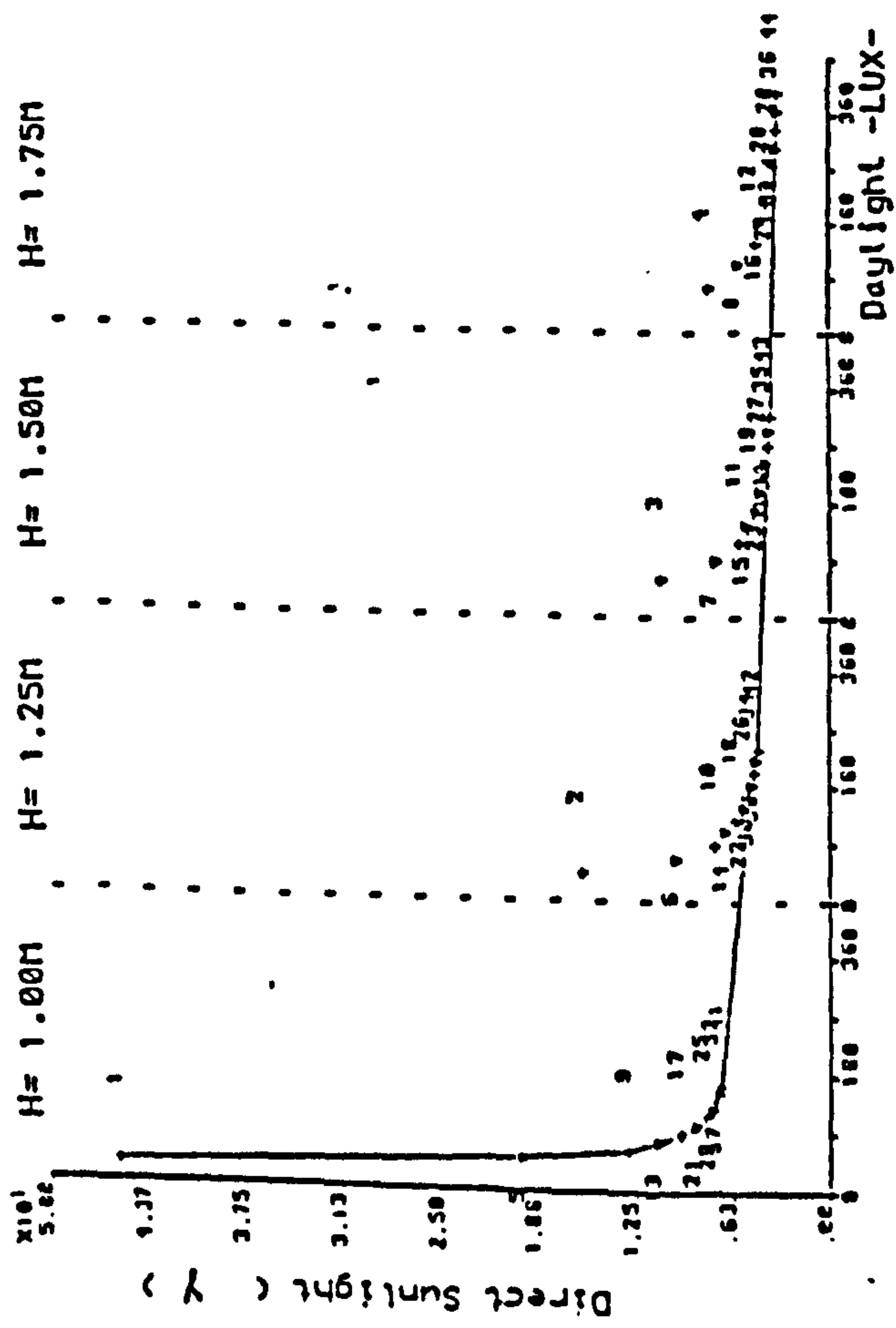
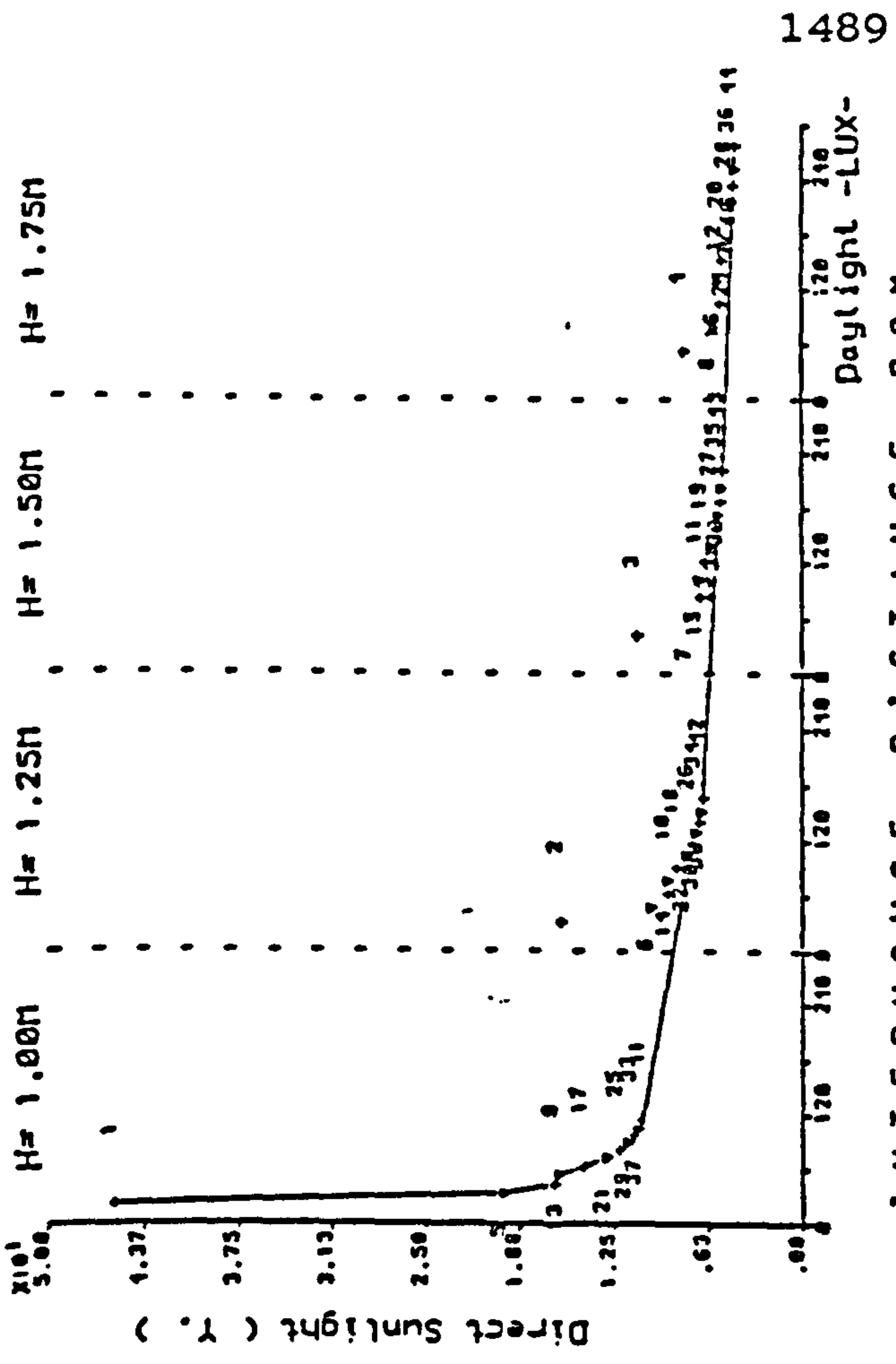
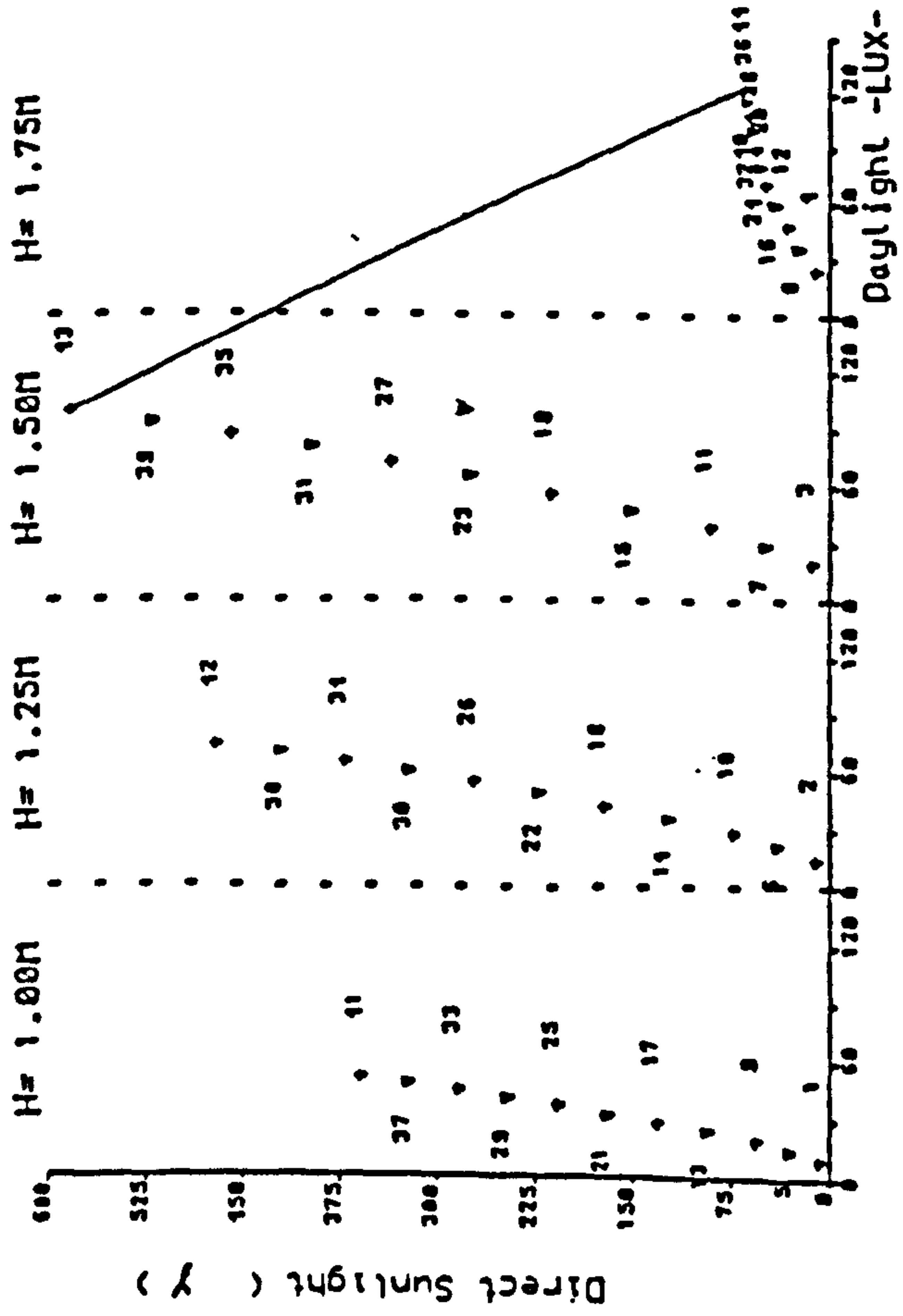
INTERHOUSE DISTANCE - 1.0 M -

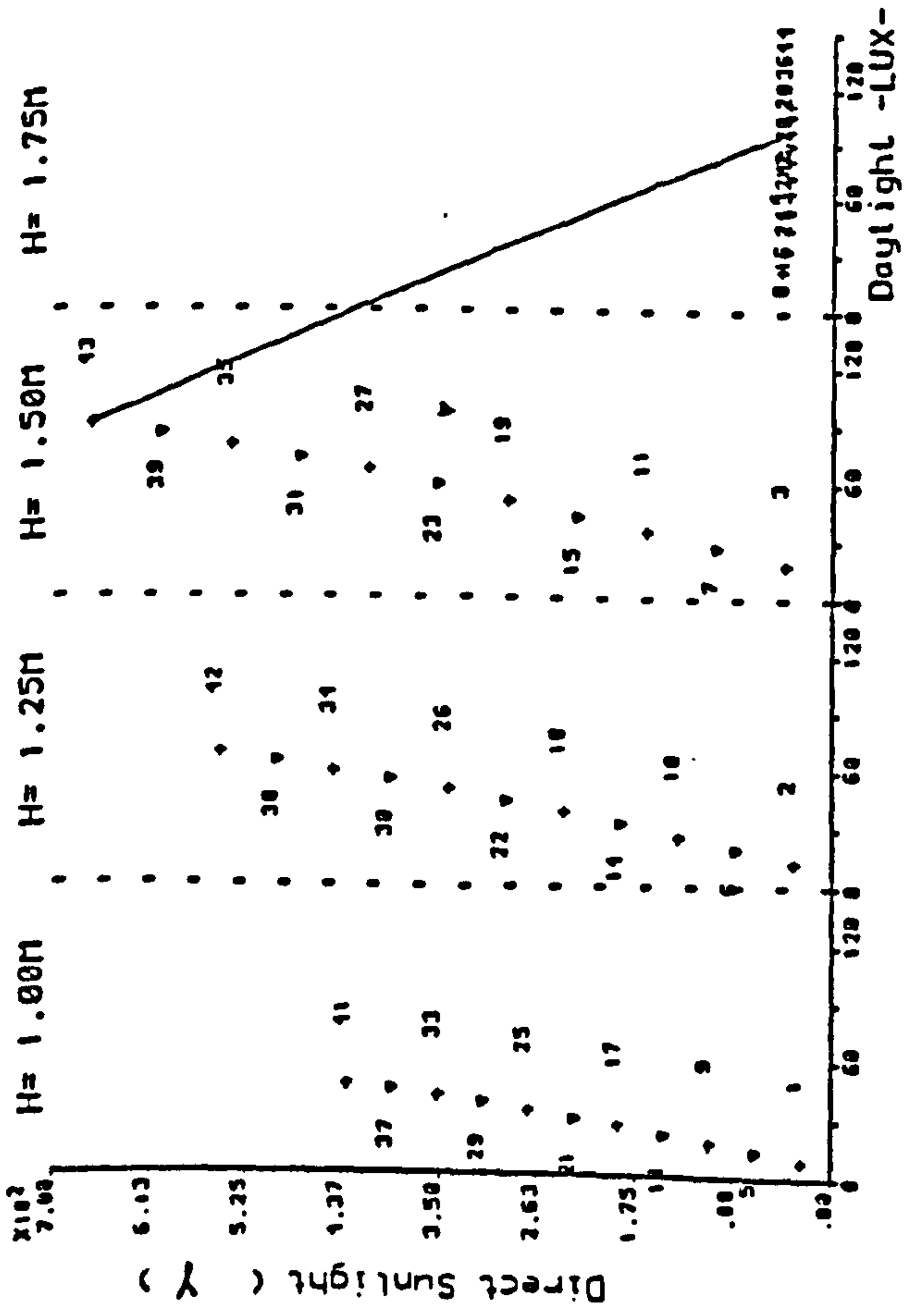


INTERHOUSE DISTANCE - 1.0 M -

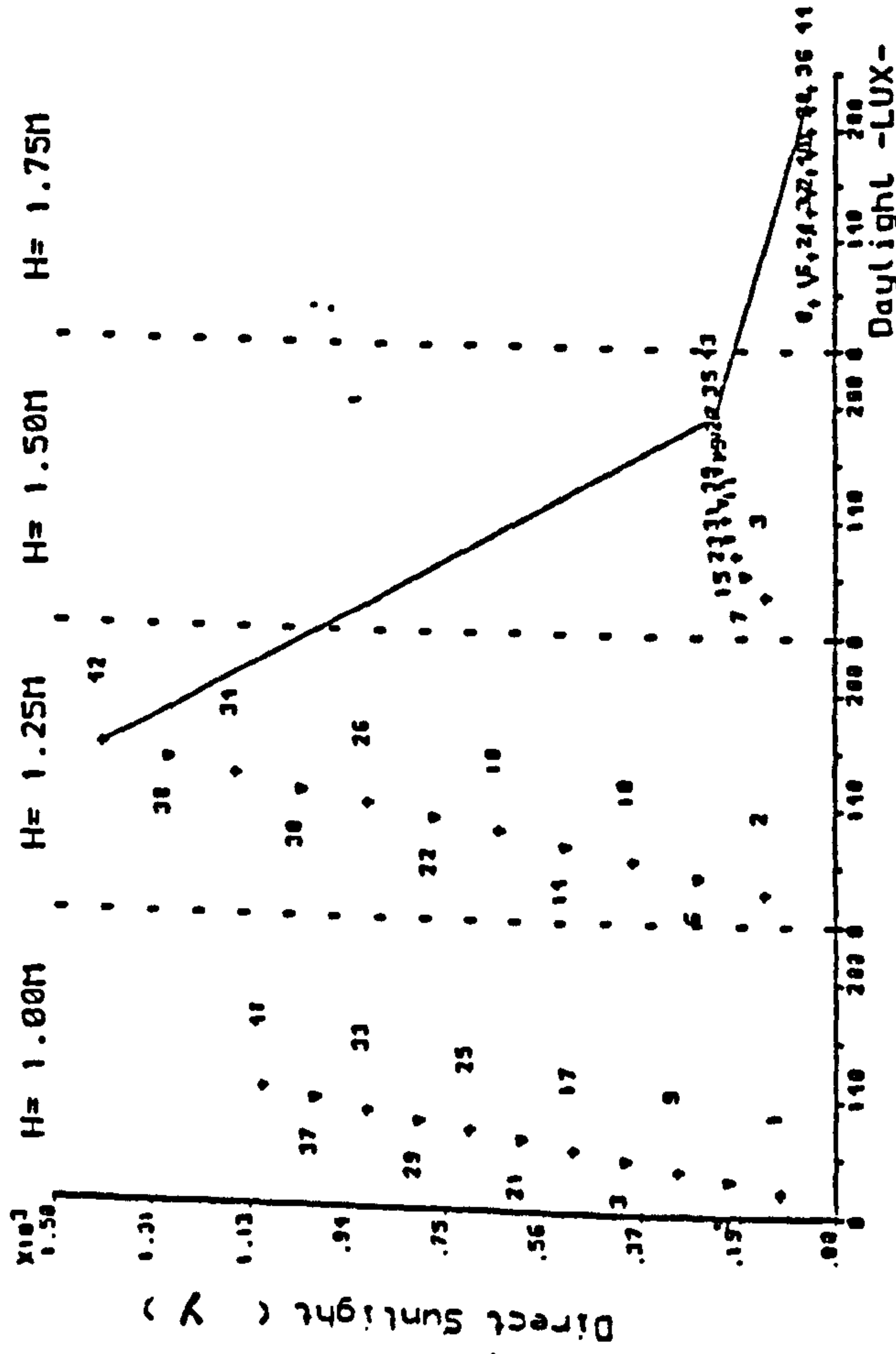


INTERHOUSE DISTANCE - 3.0 M -

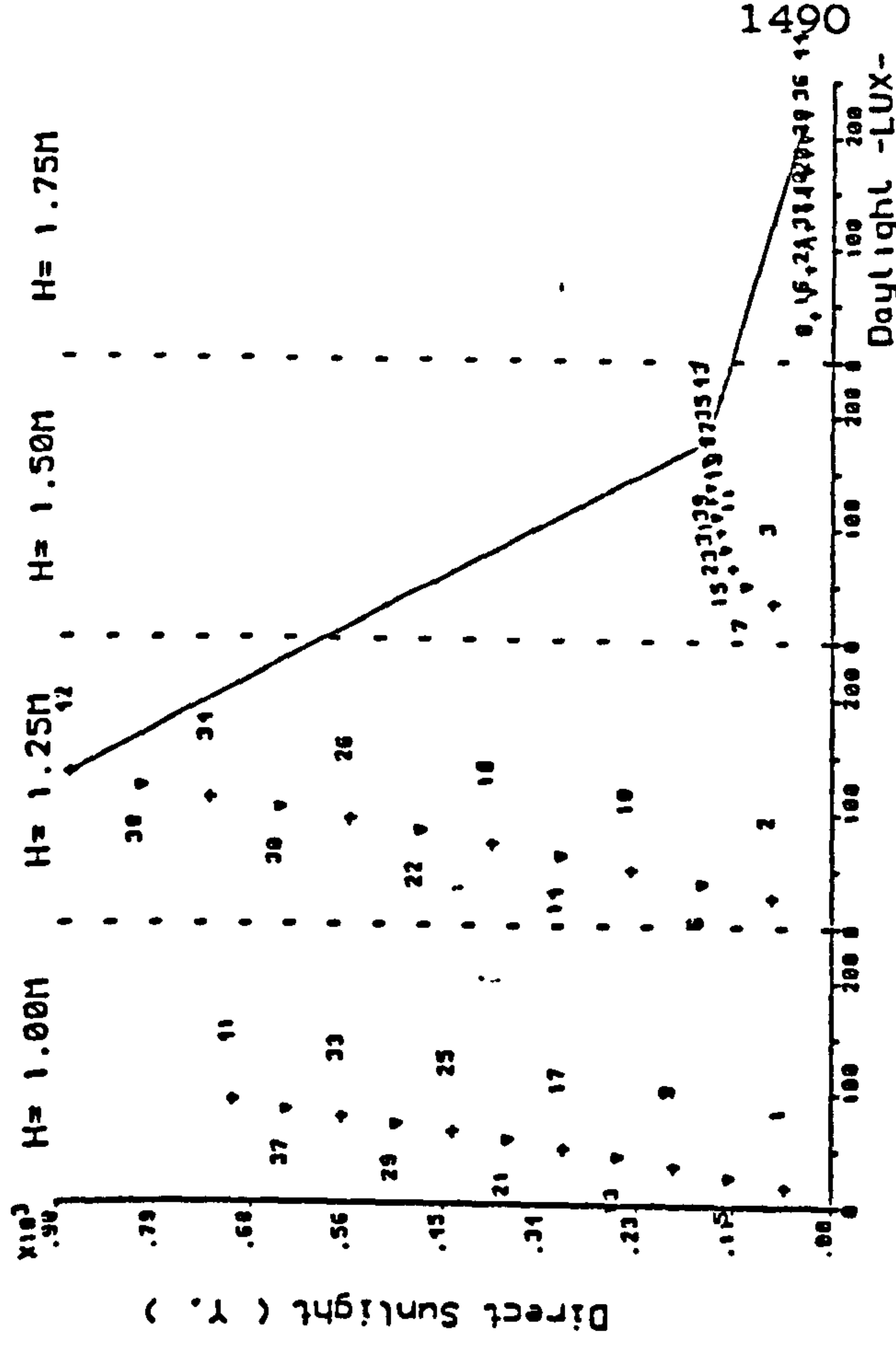




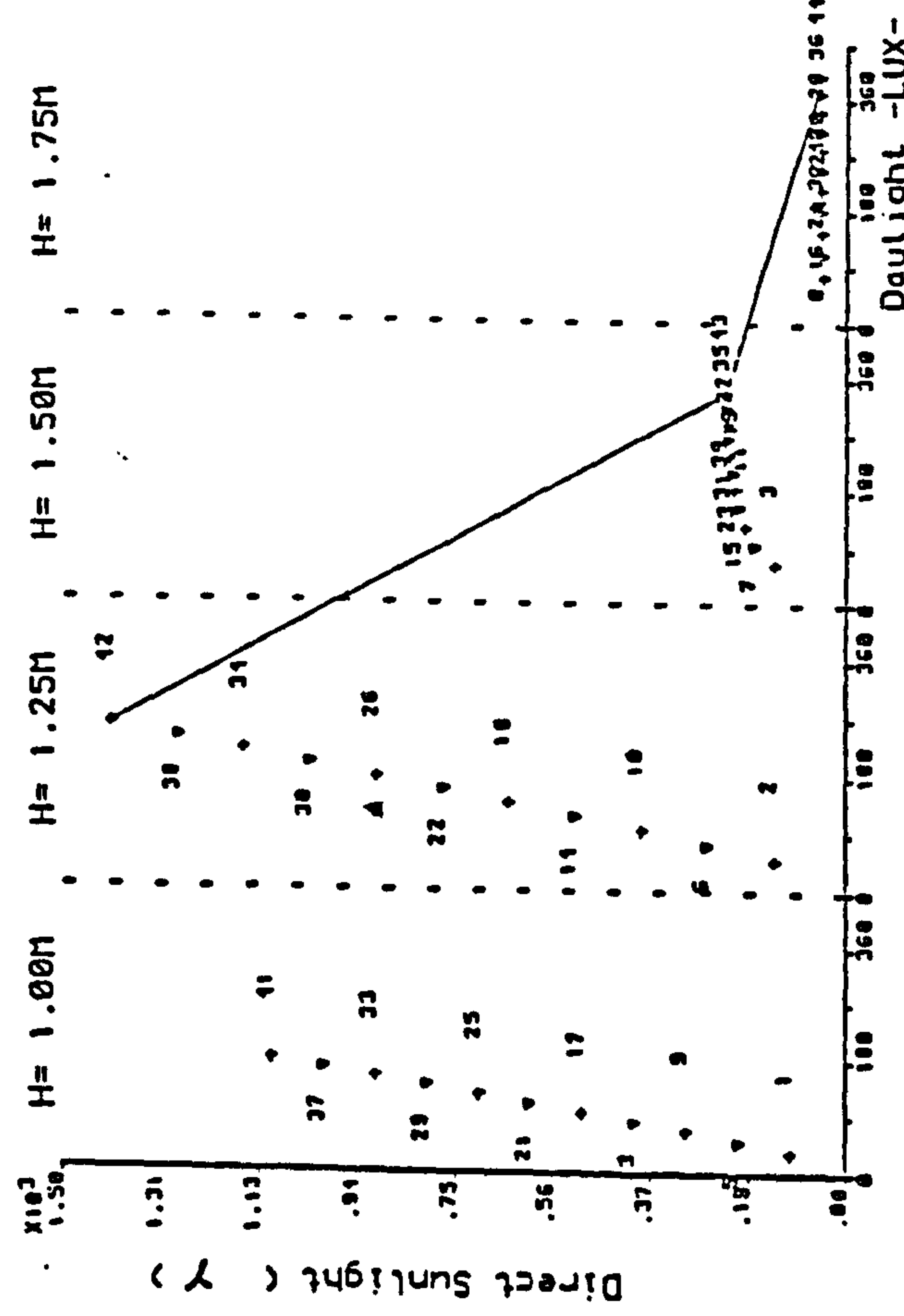
INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 3.0 M -

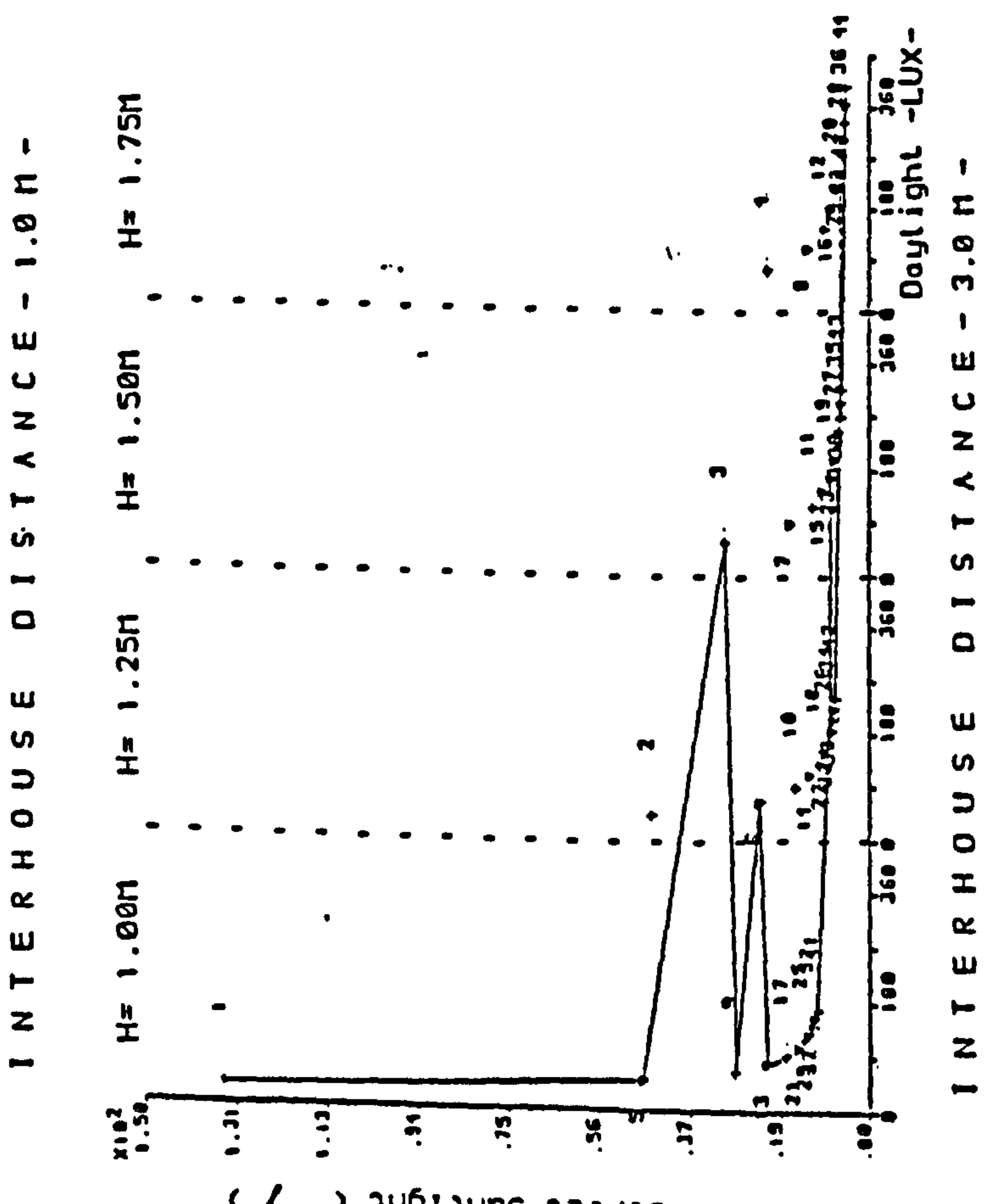
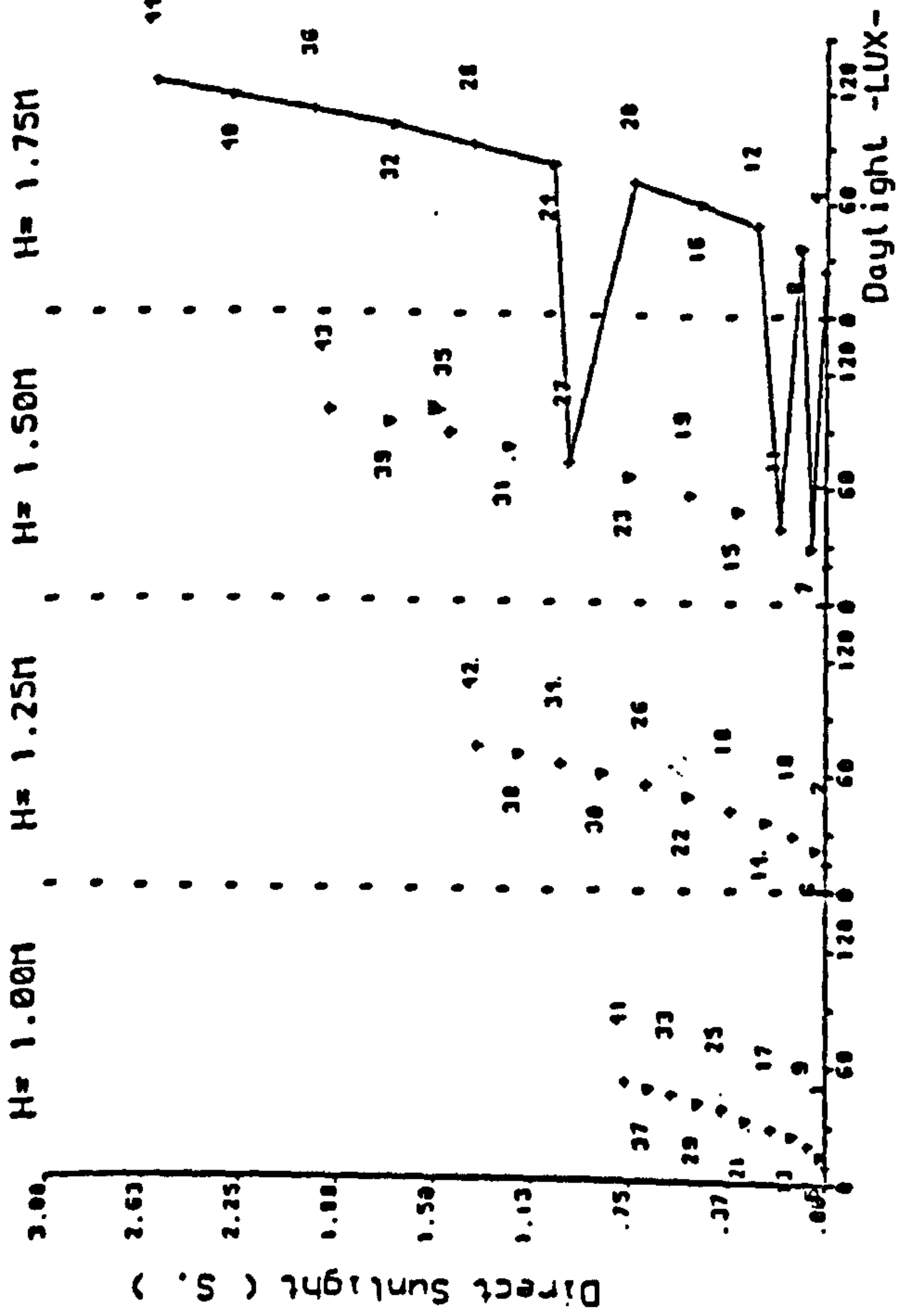
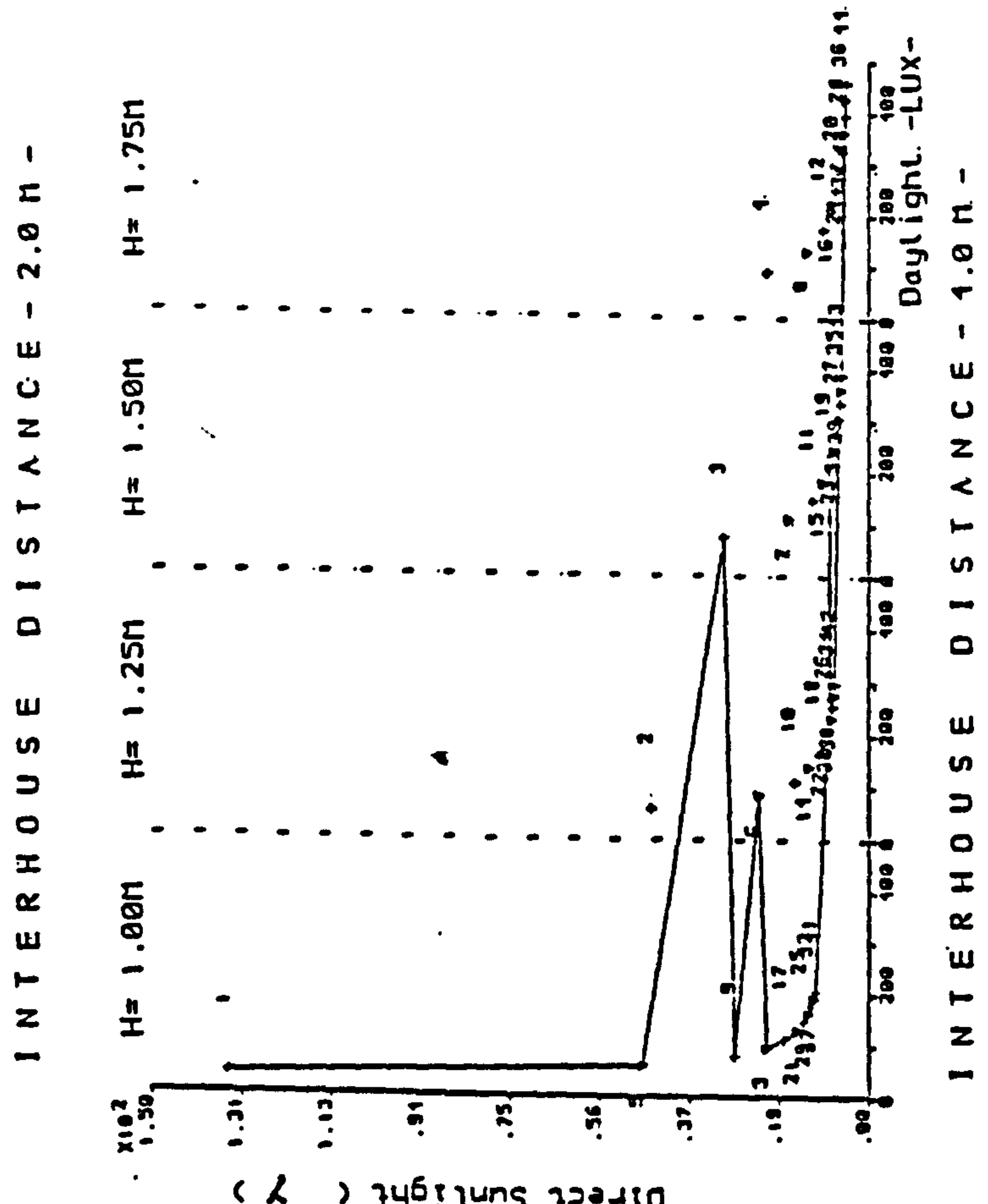
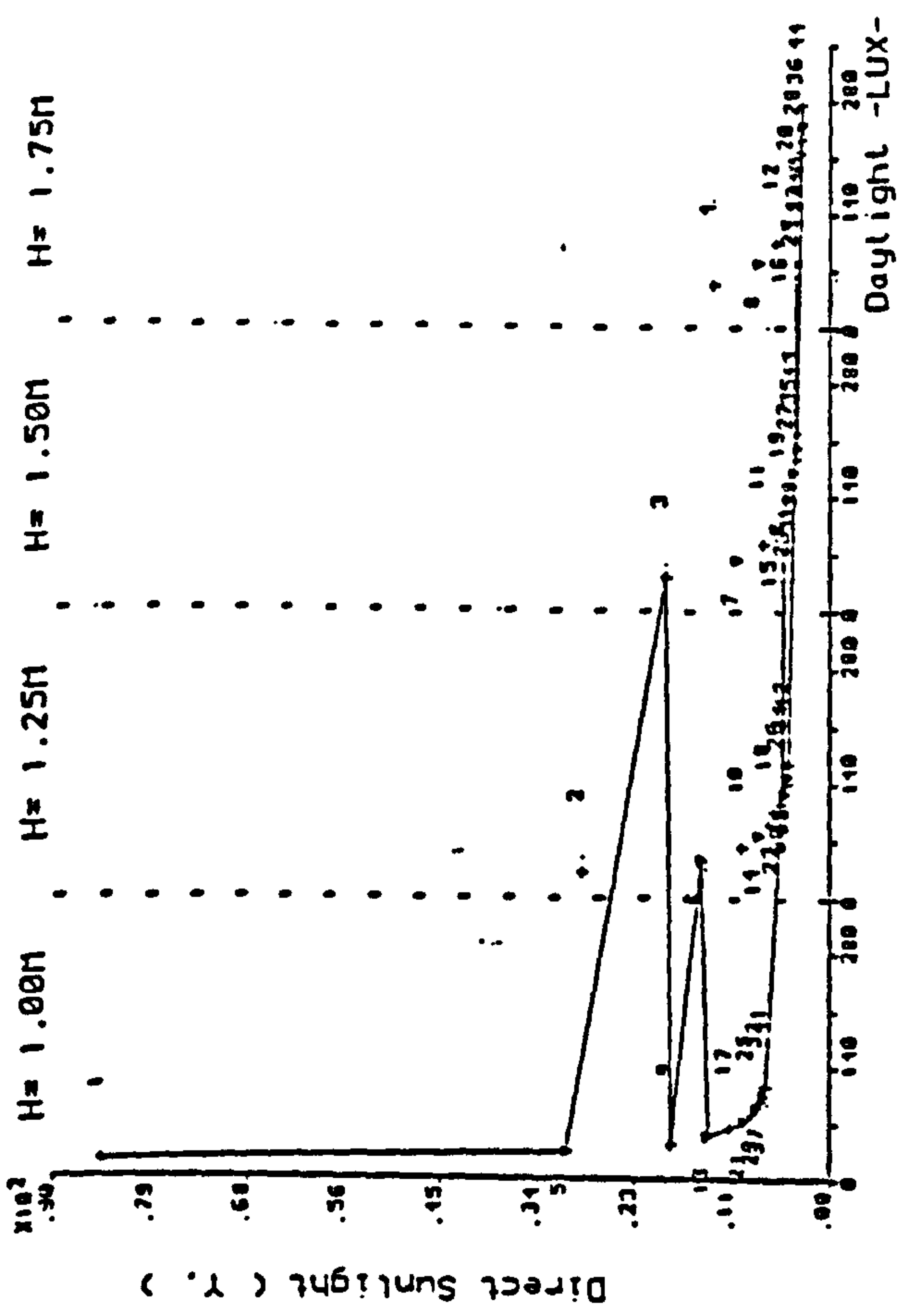


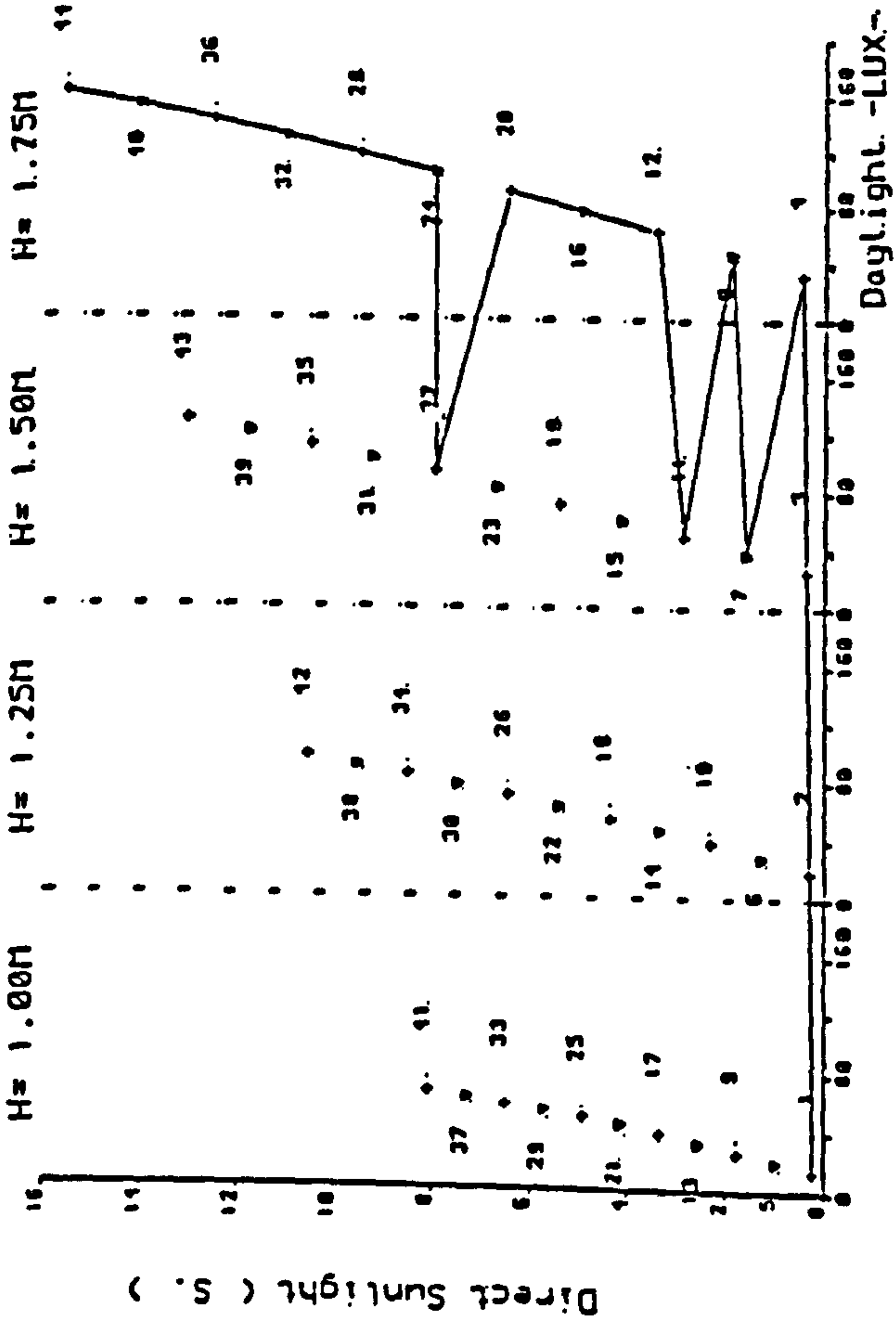
INTERHOUSE DISTANCE - 2.0 M -



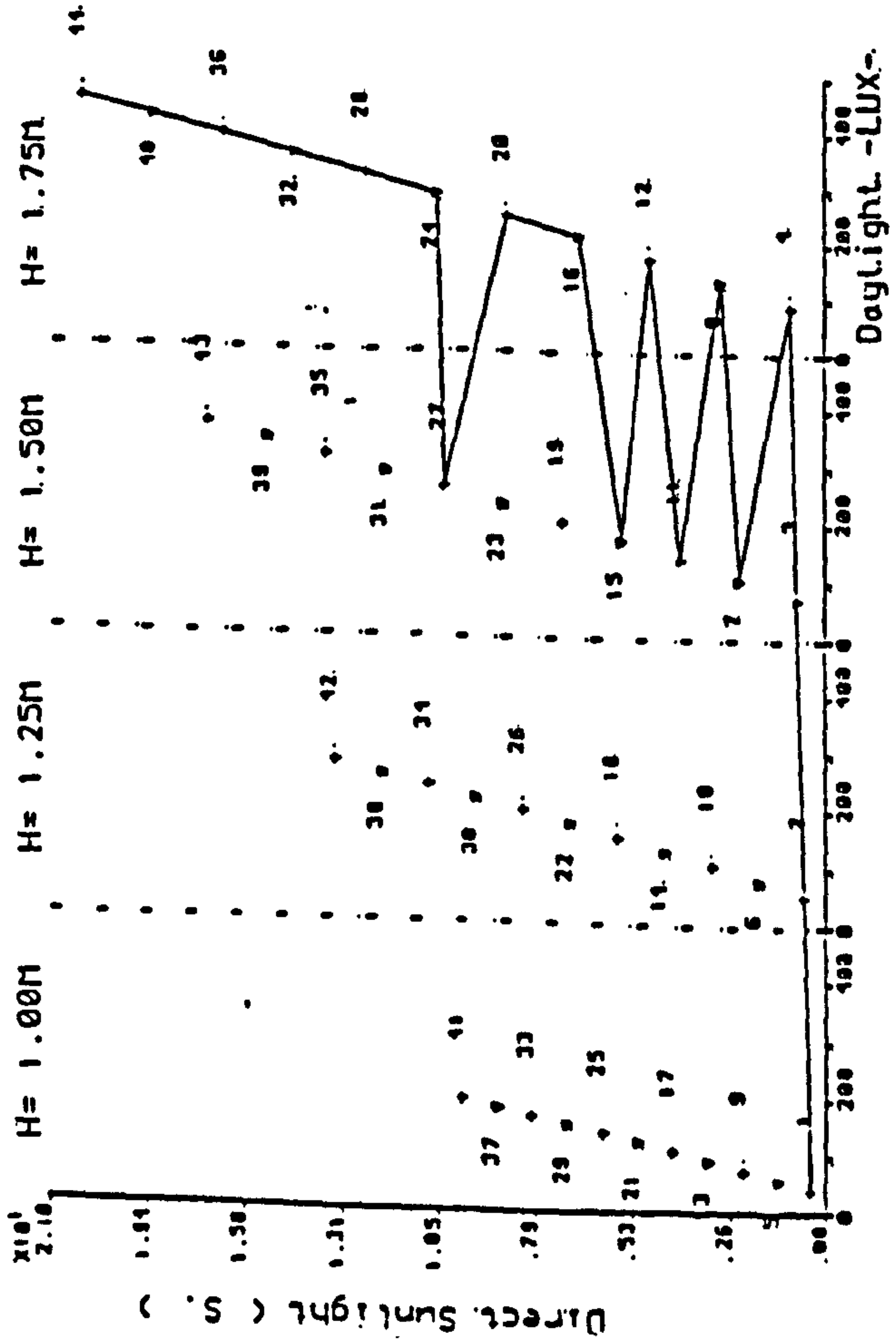
INTERHOUSE DISTANCE - 1.0 M -



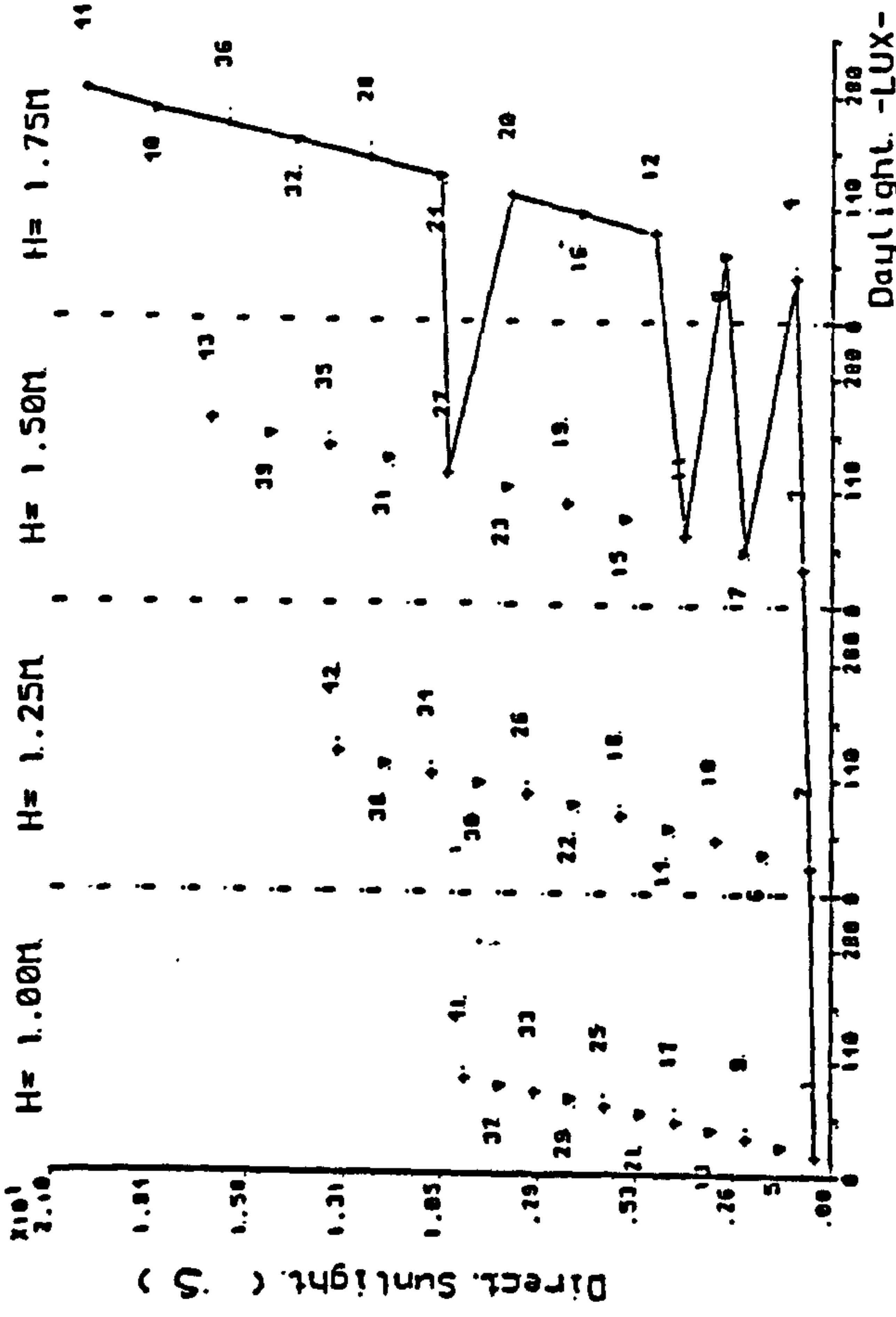




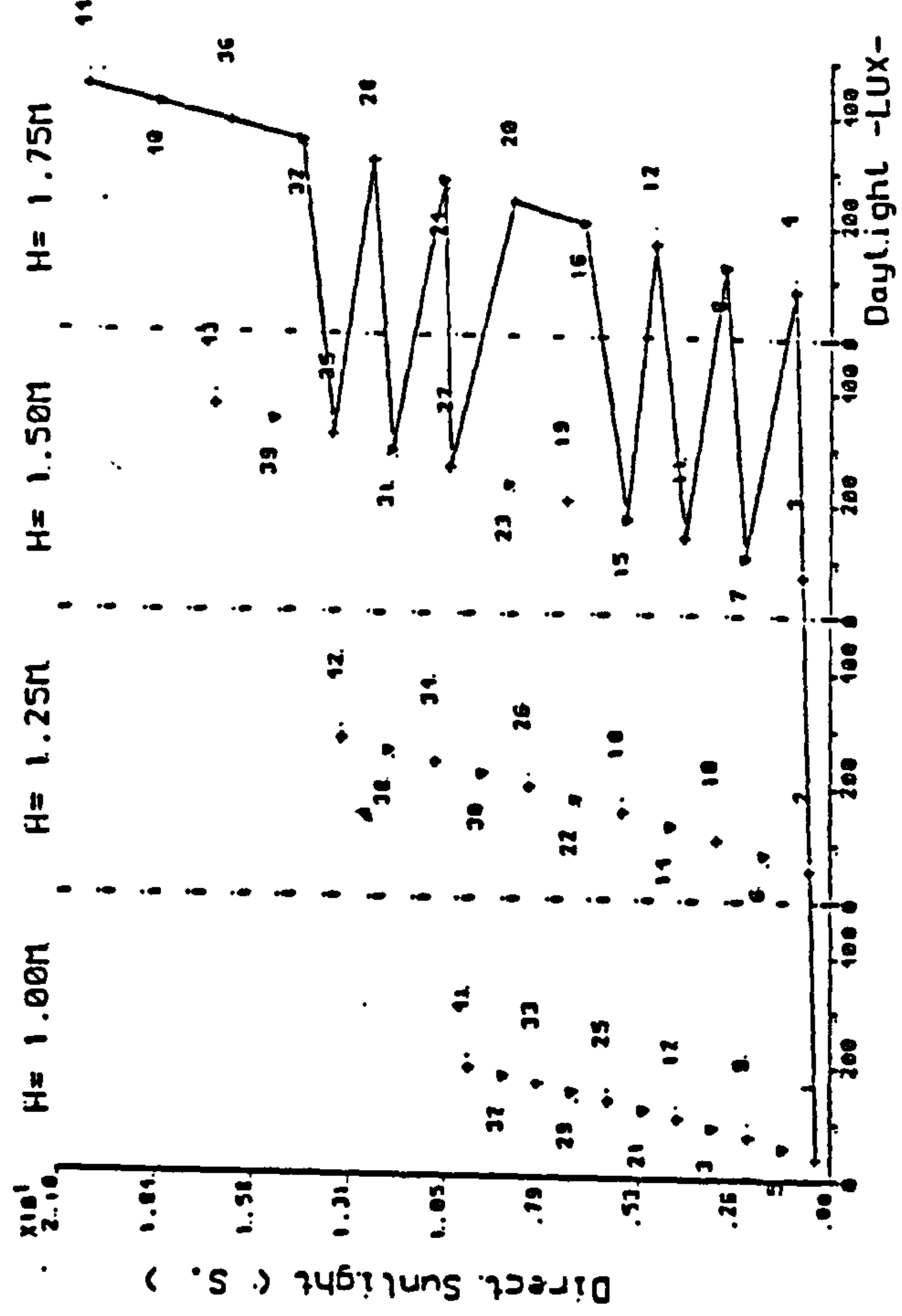
INTERHOUSE DISTANCE - 1.0 M -



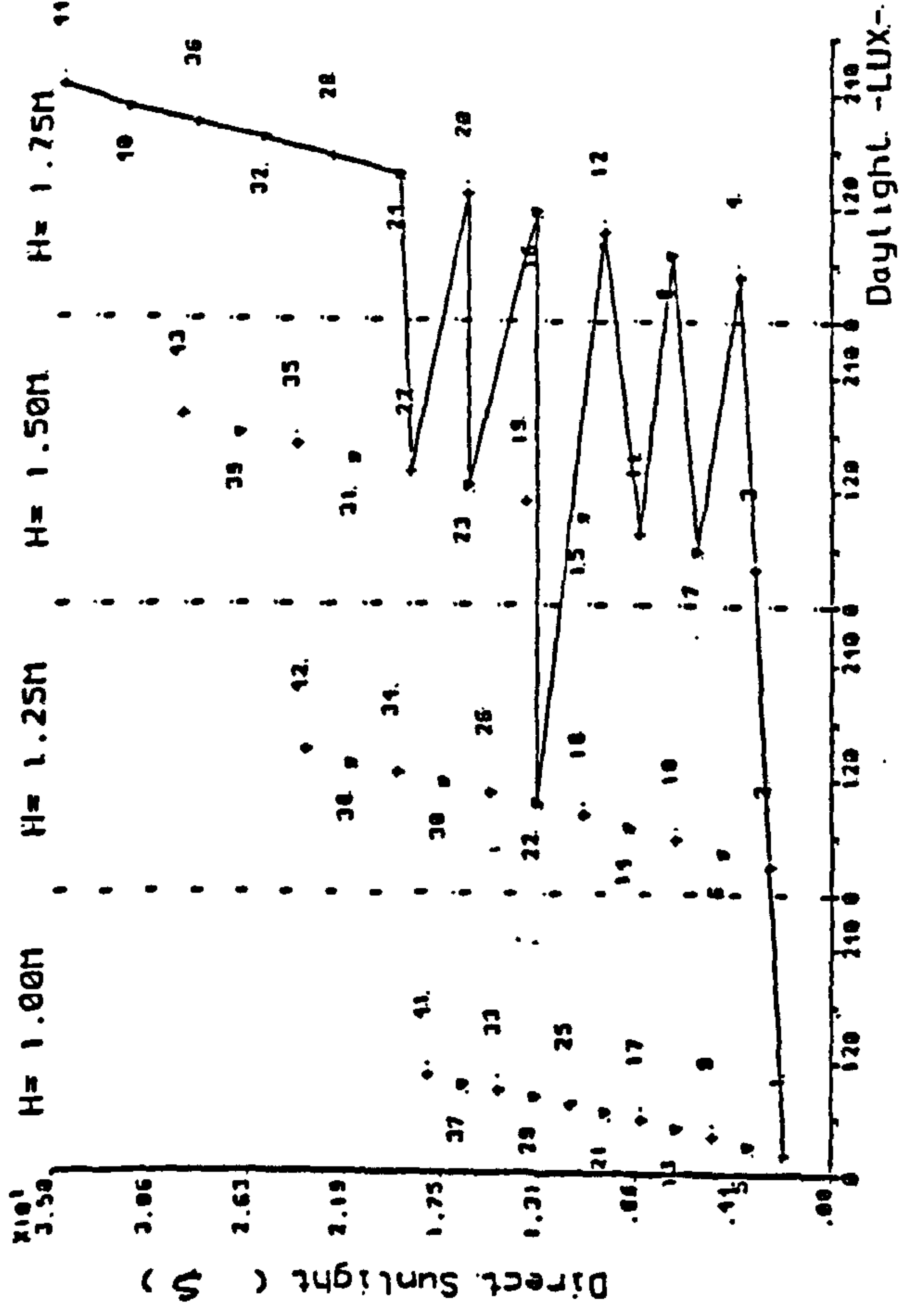
INTERHOUSE DISTANCE - 3.0 M -



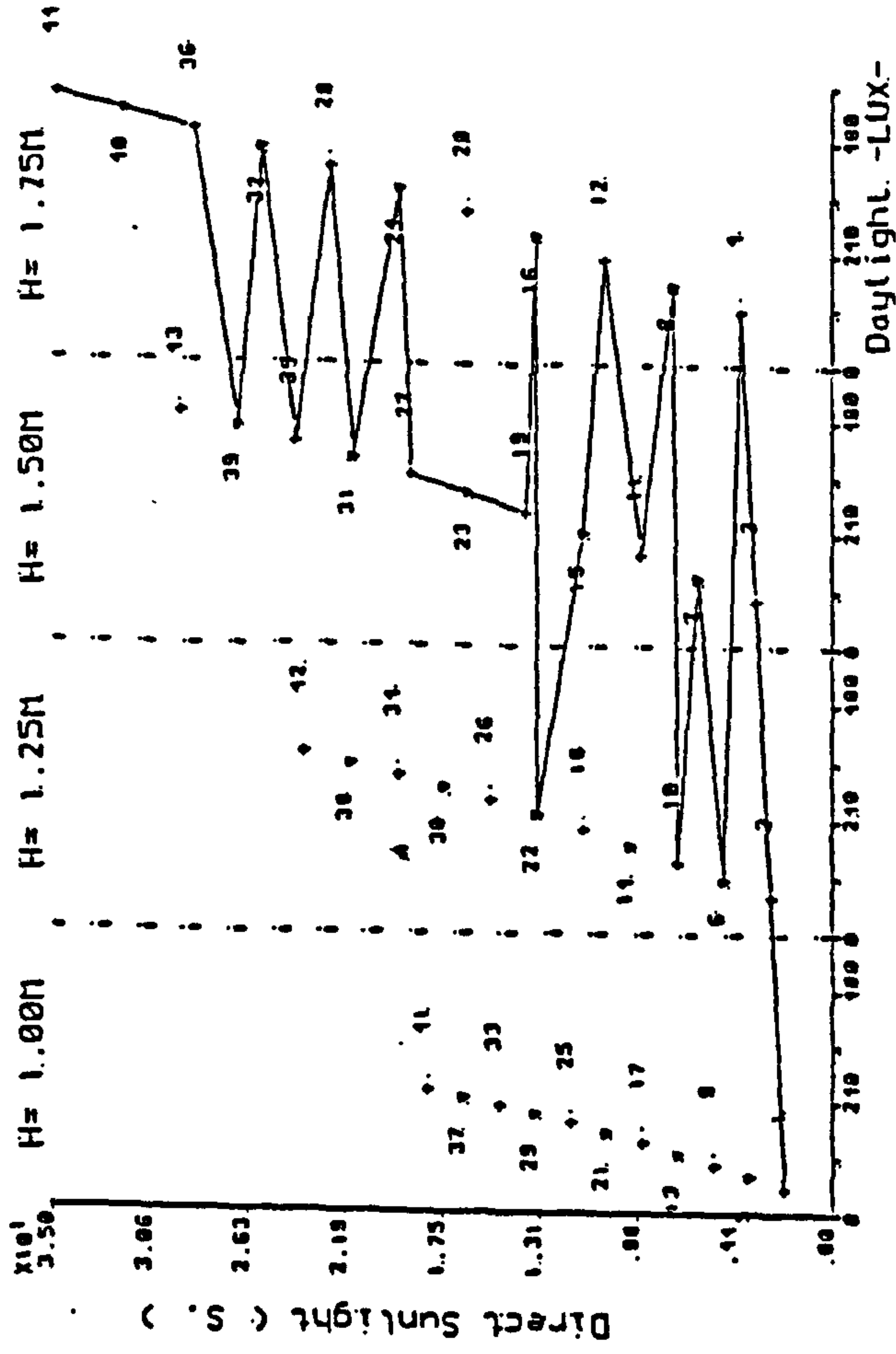
INTERHOUSE DISTANCE - 2.0 M -



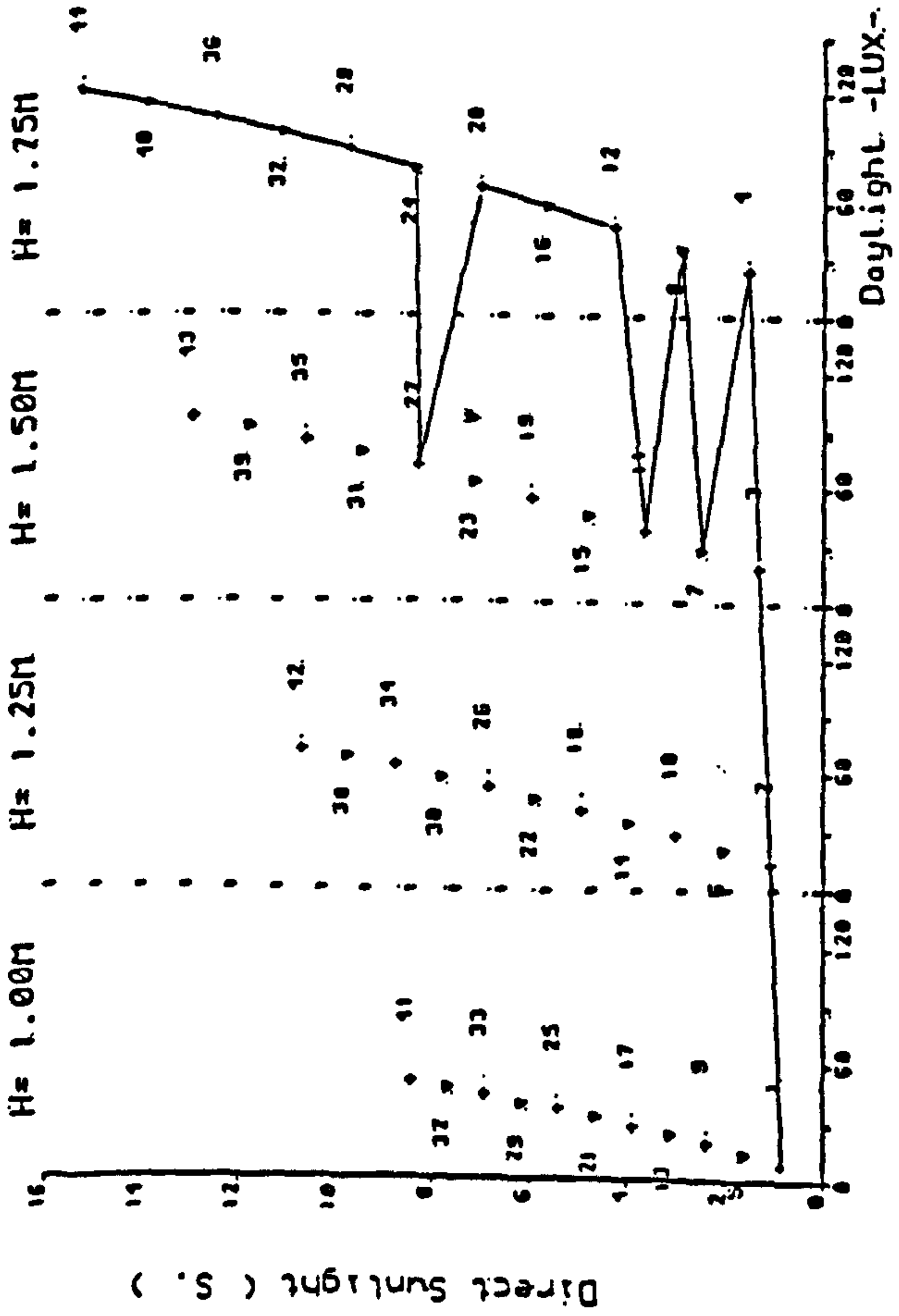
INTERHOUSE DISTANCE - 1.0 M -



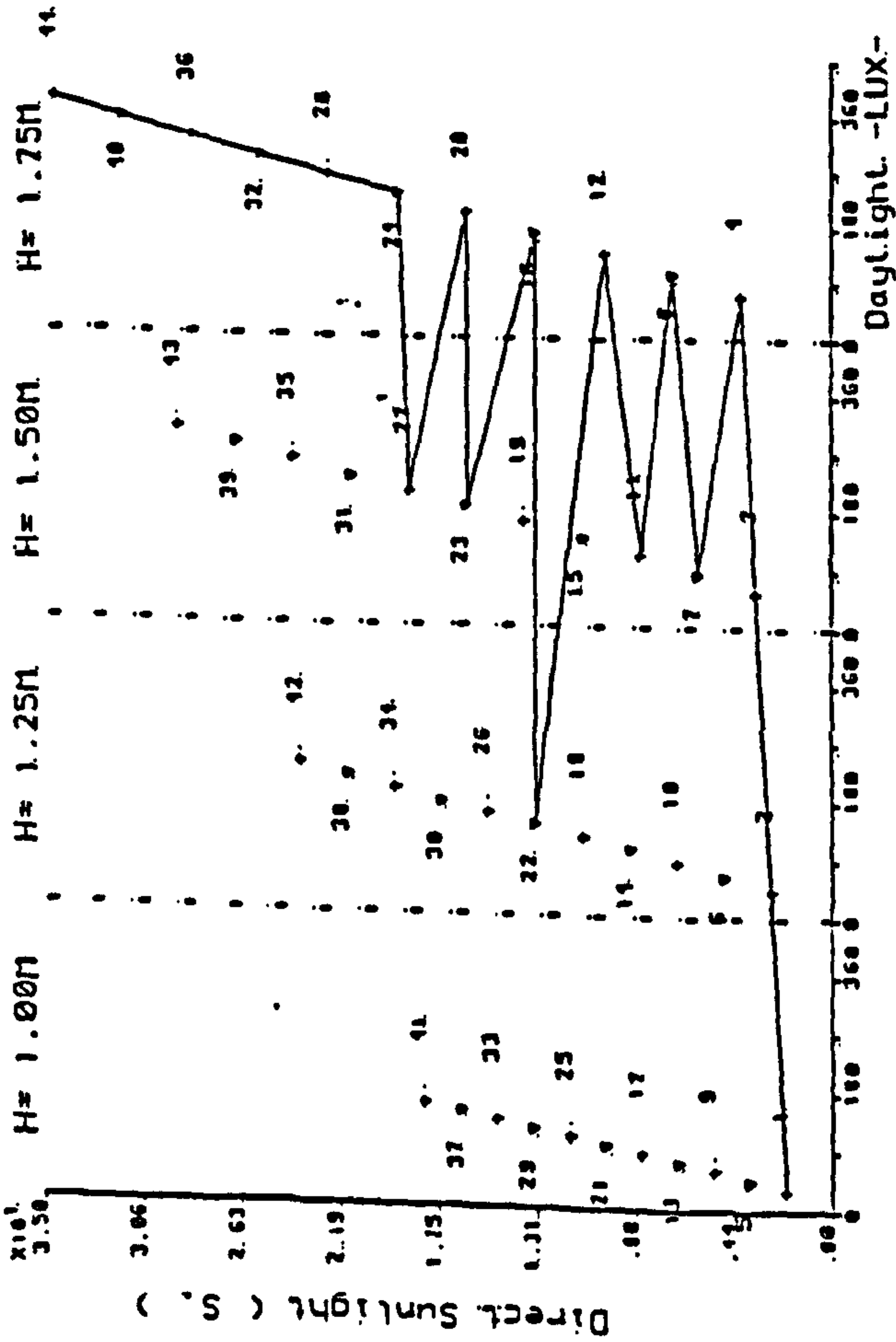
INTERHOUSE DISTANCE - 2.0 M -



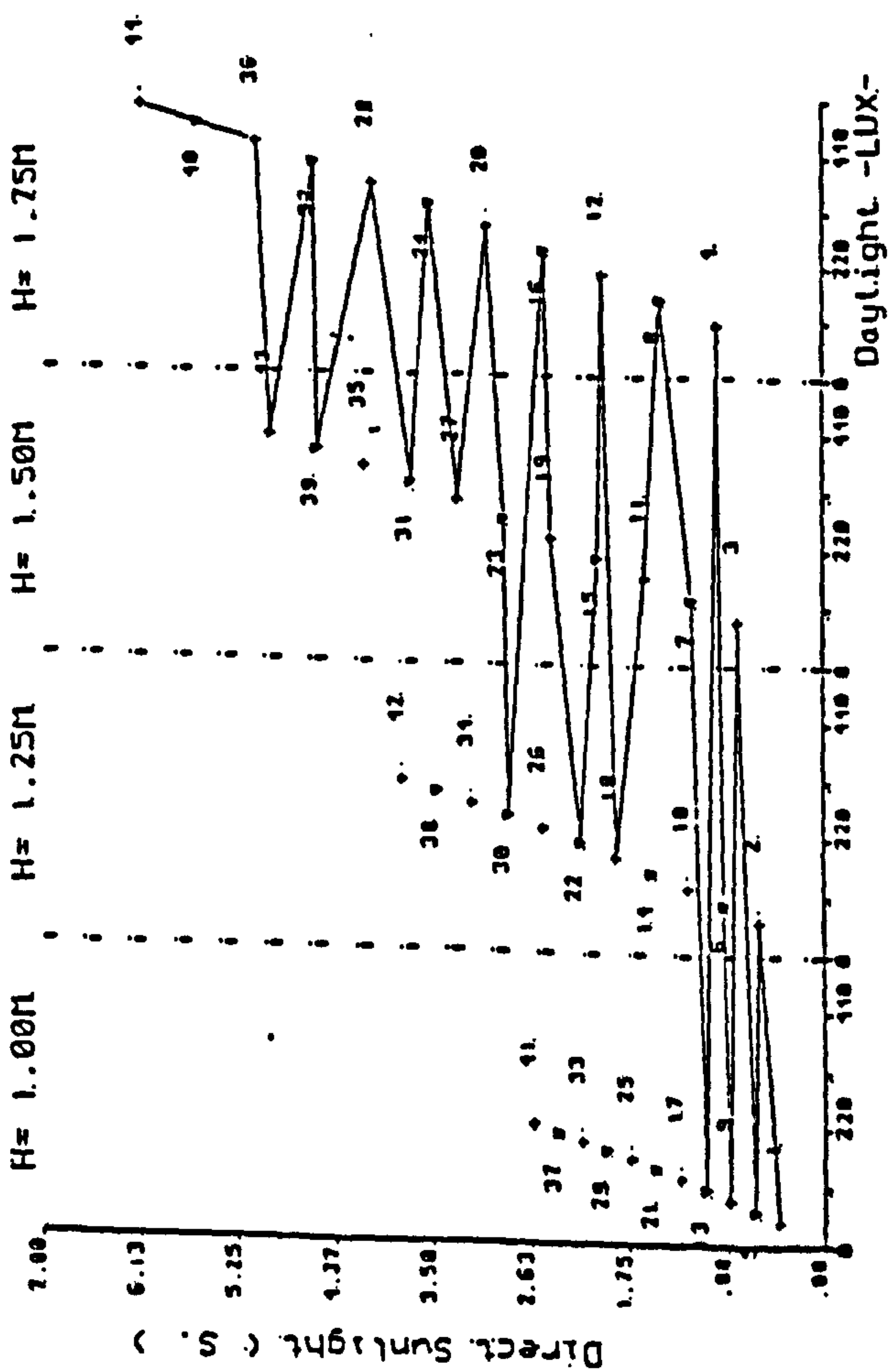
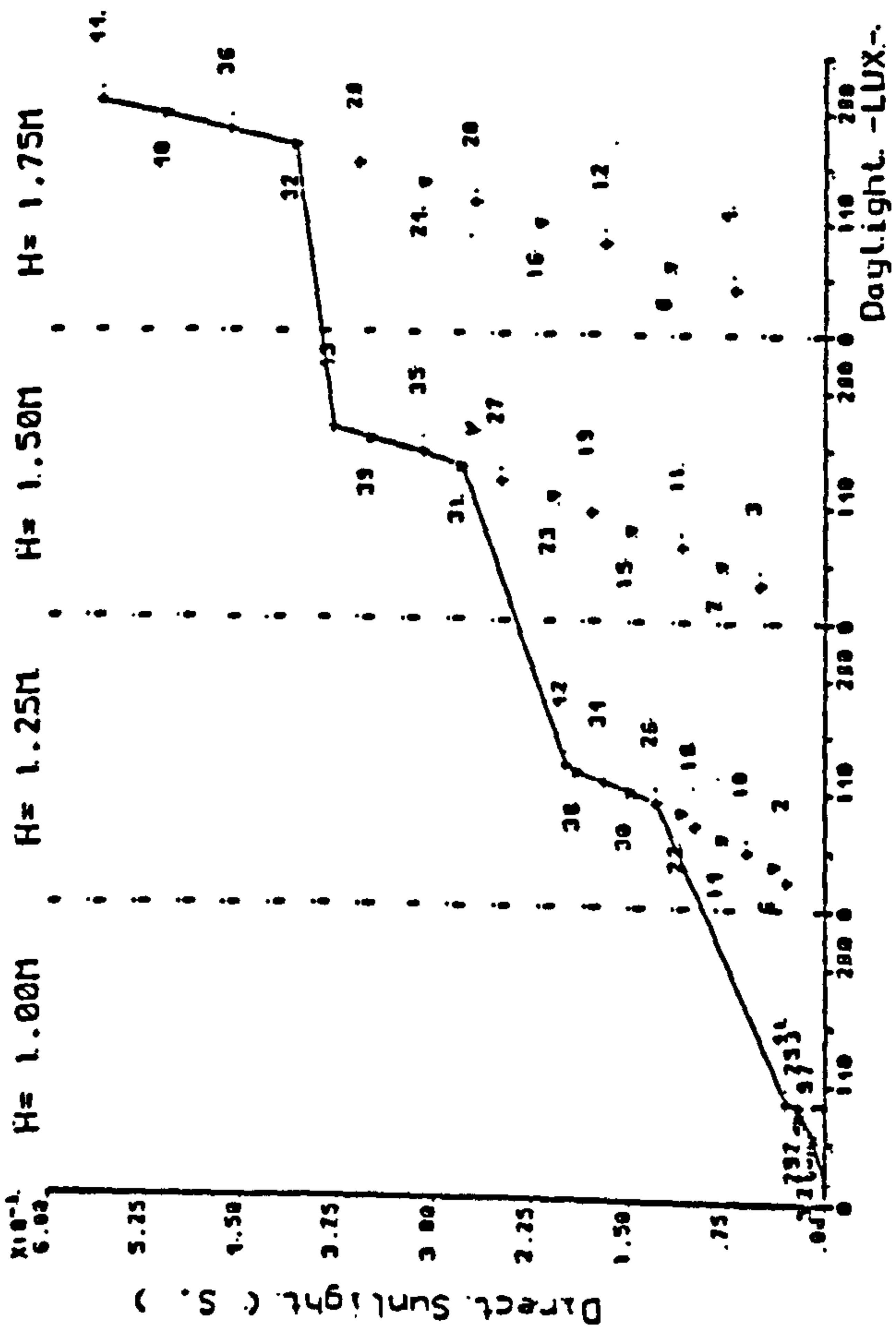
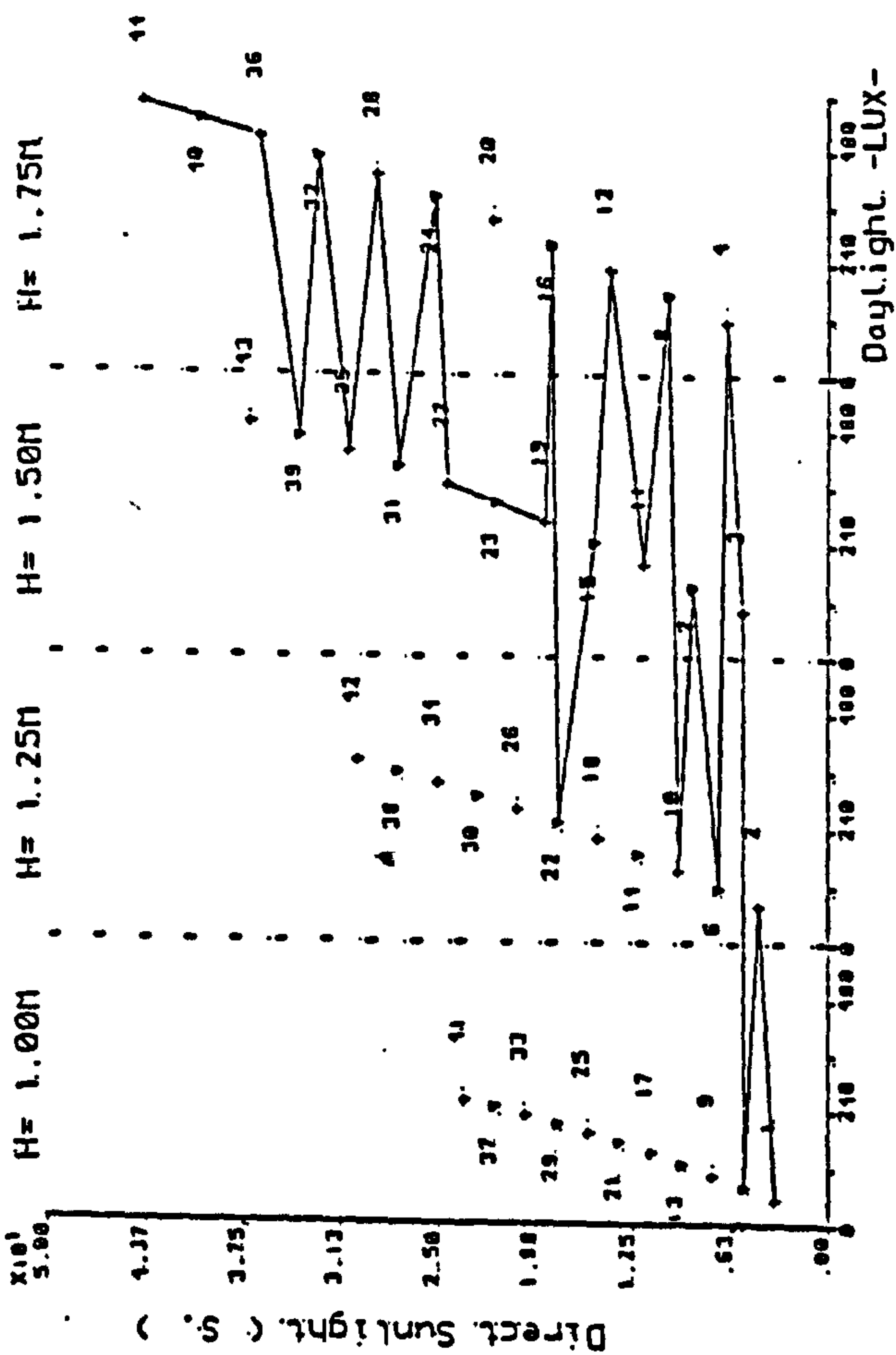
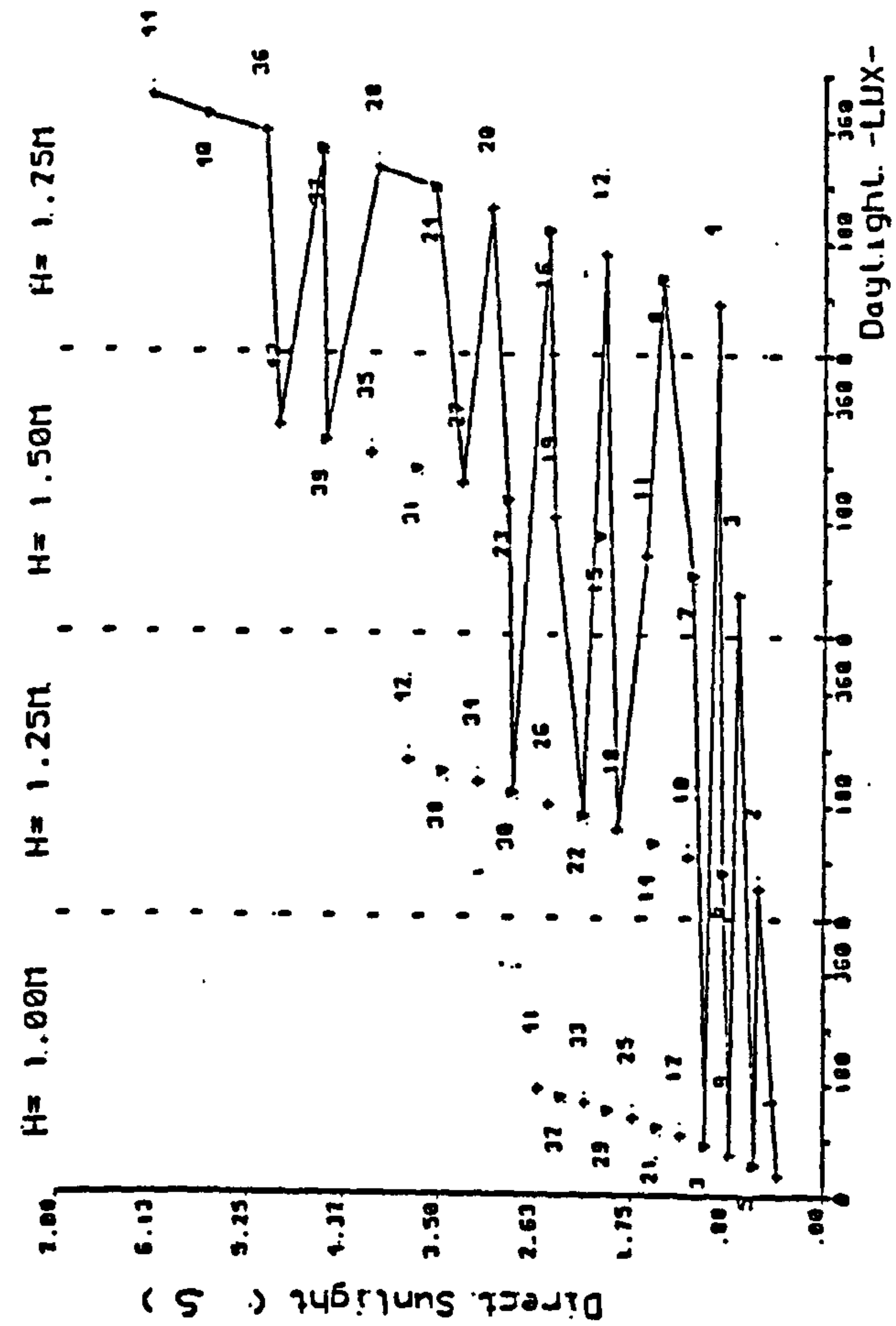
INTERHOUSE DISTANCE - 1.0 M -



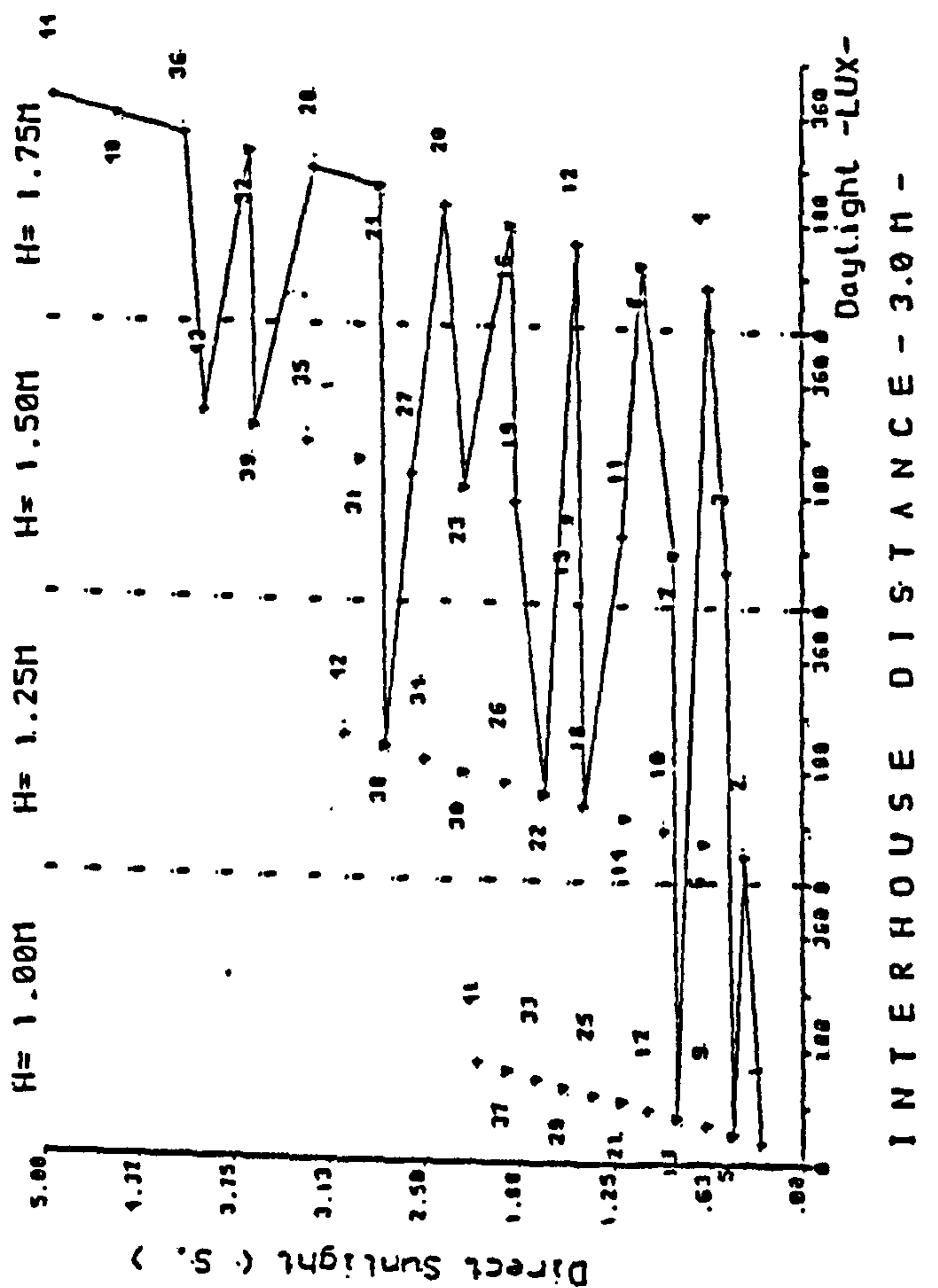
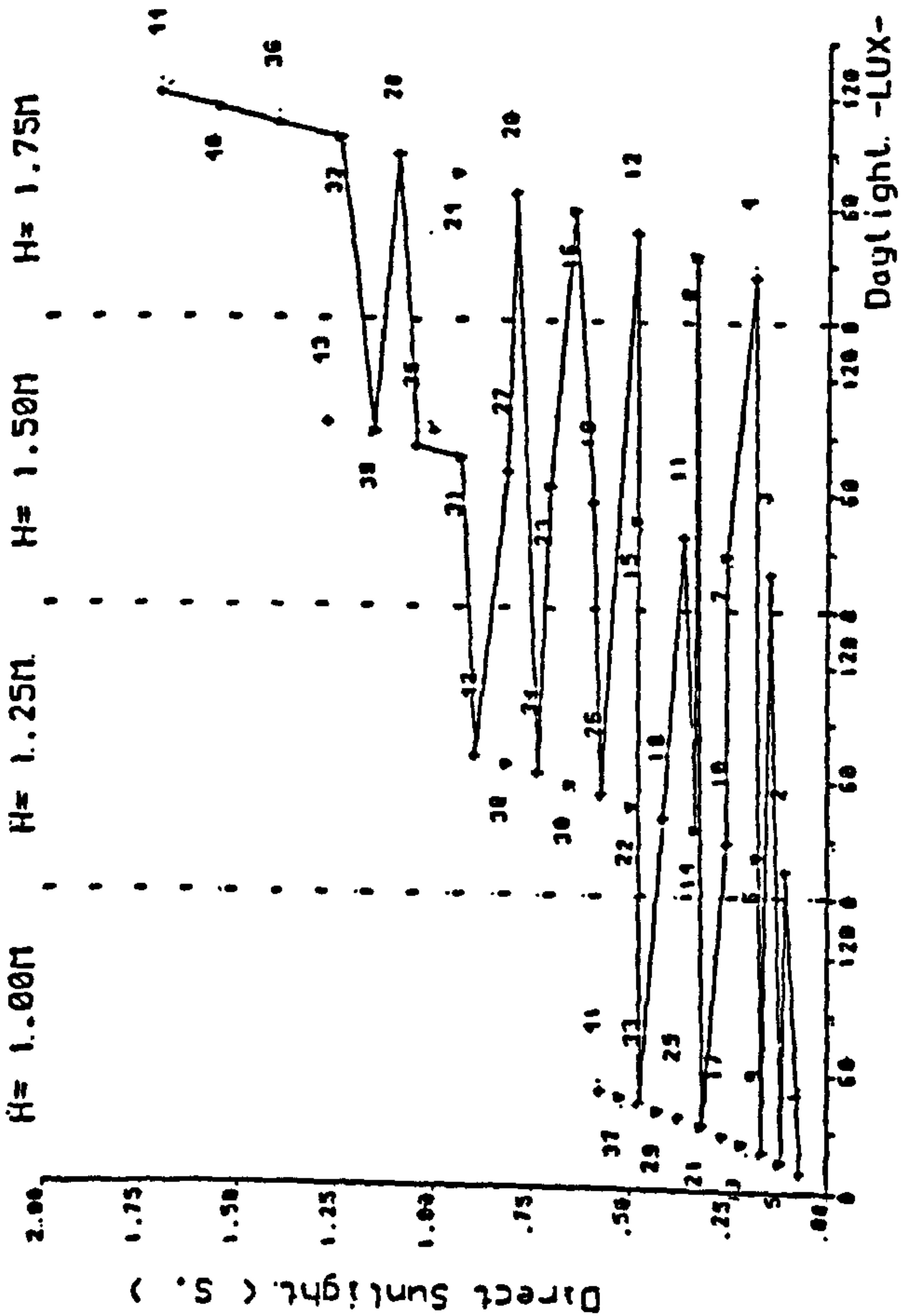
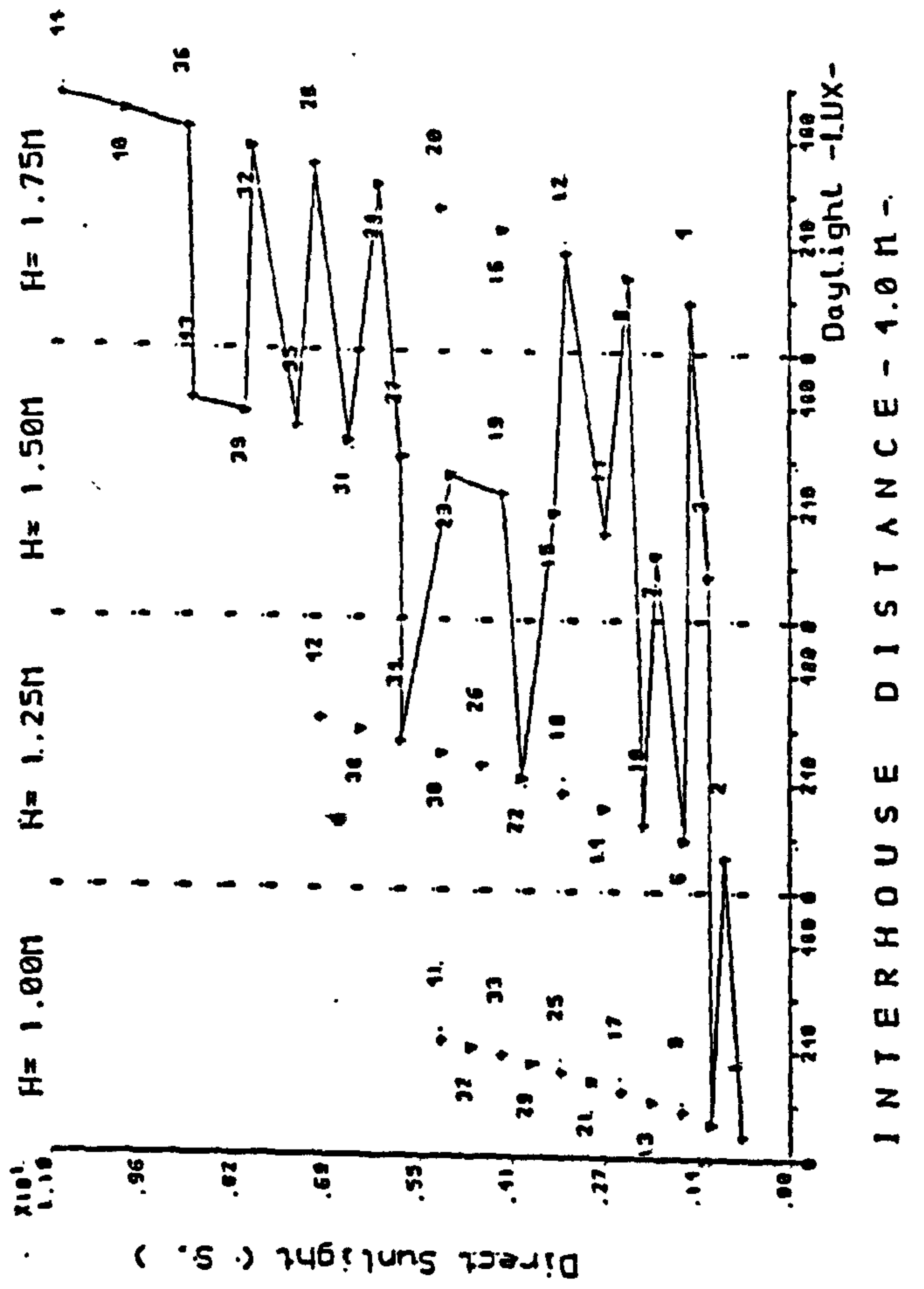
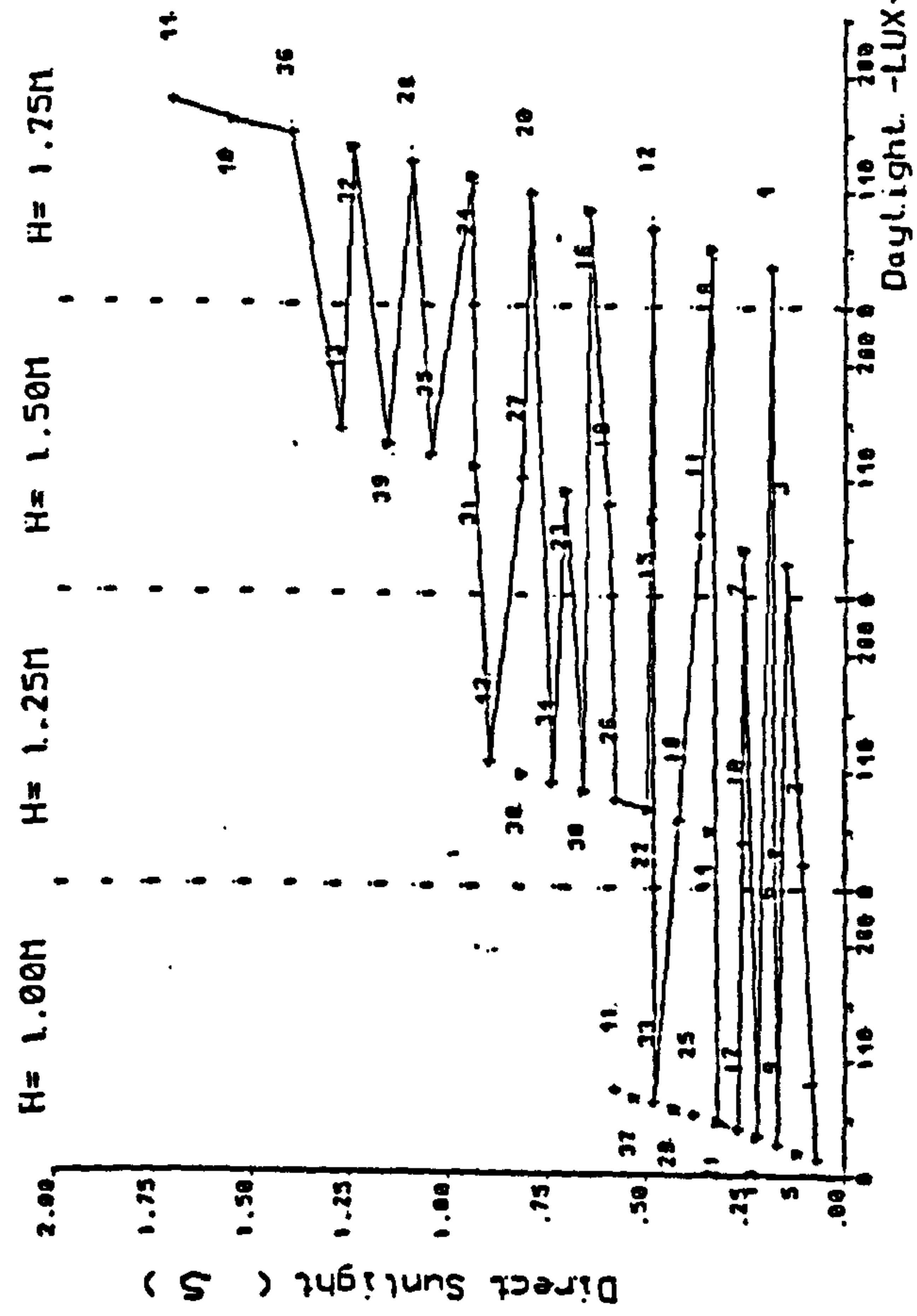
INTERHOUSE DISTANCE - 1.0 M -

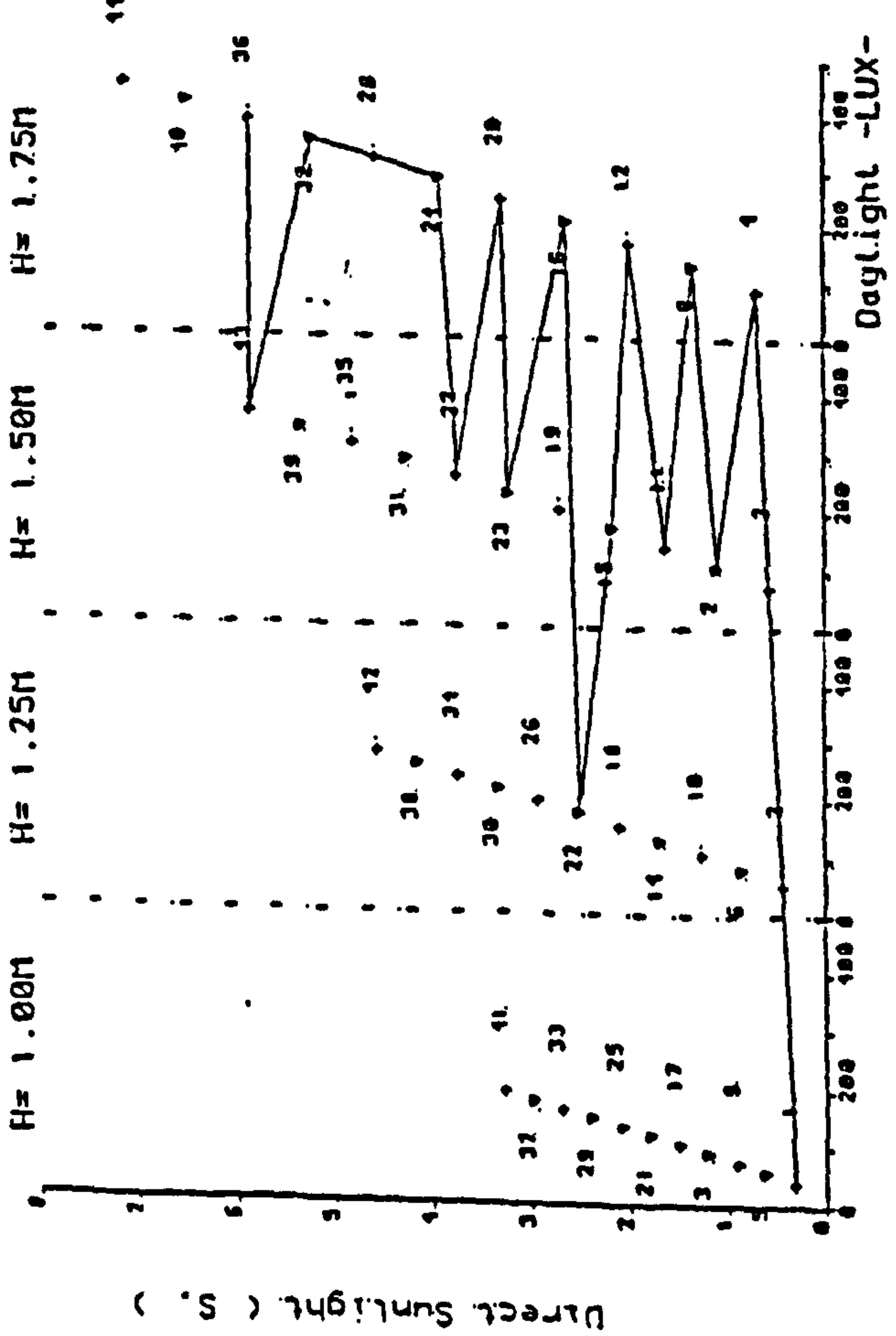
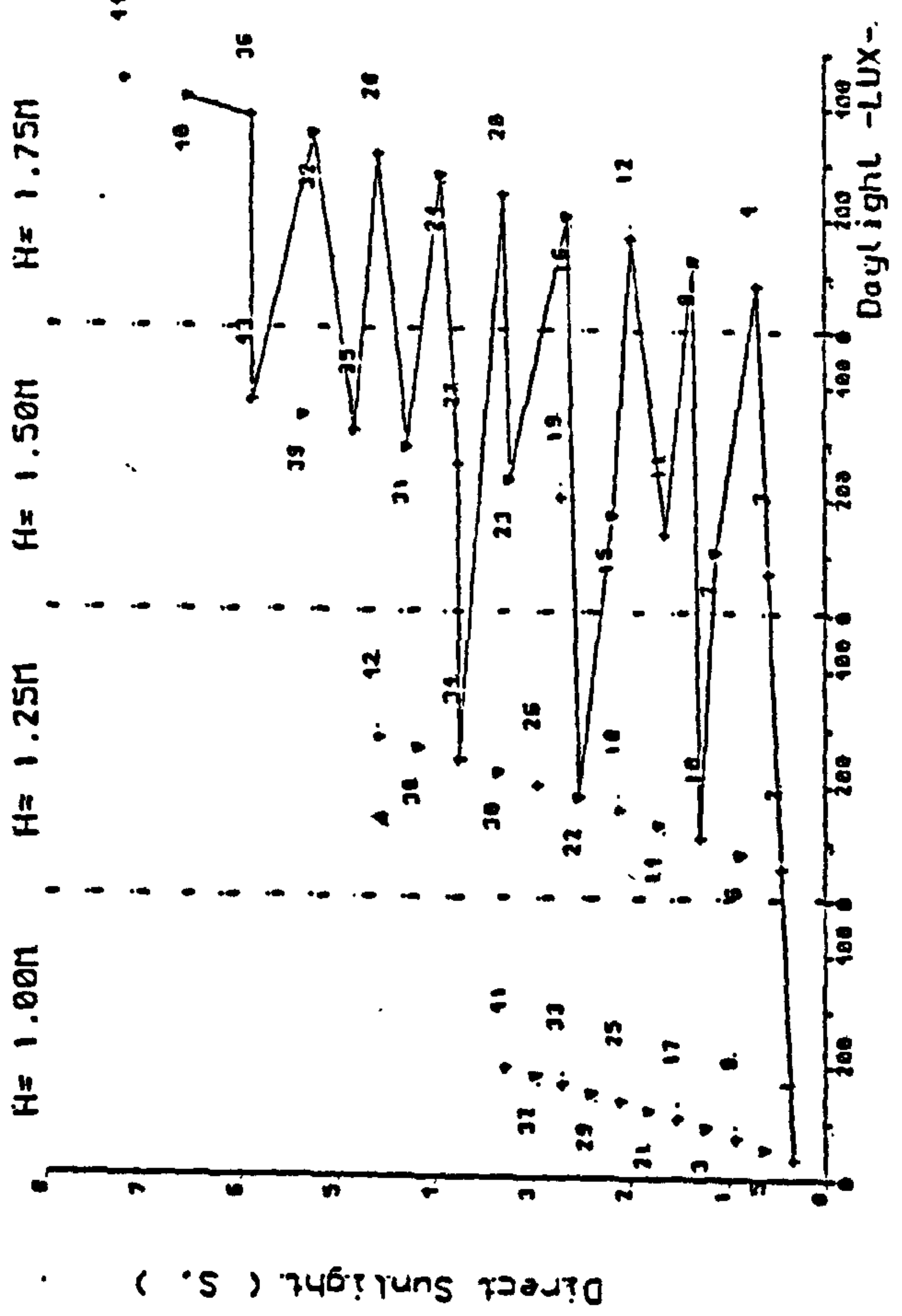
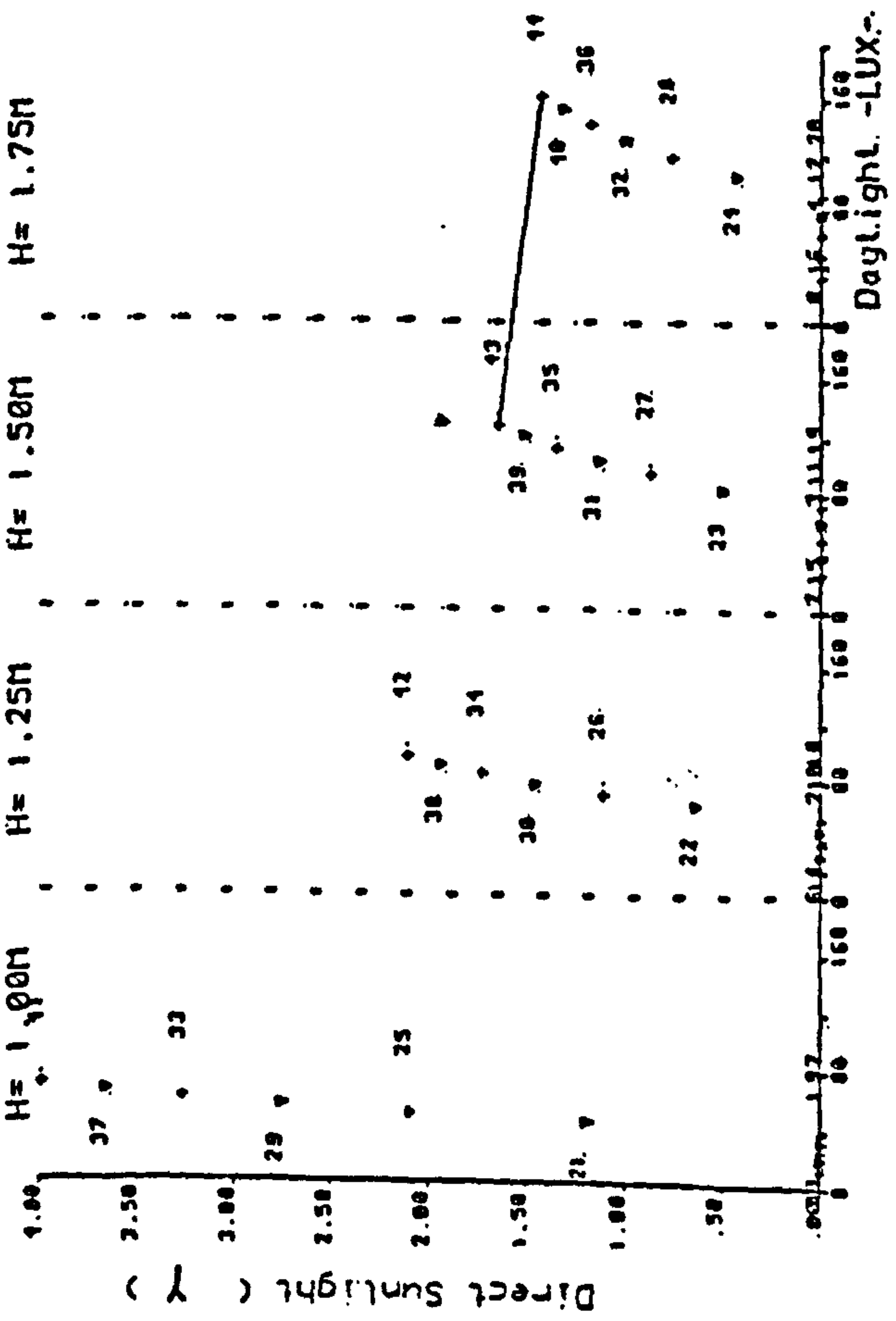
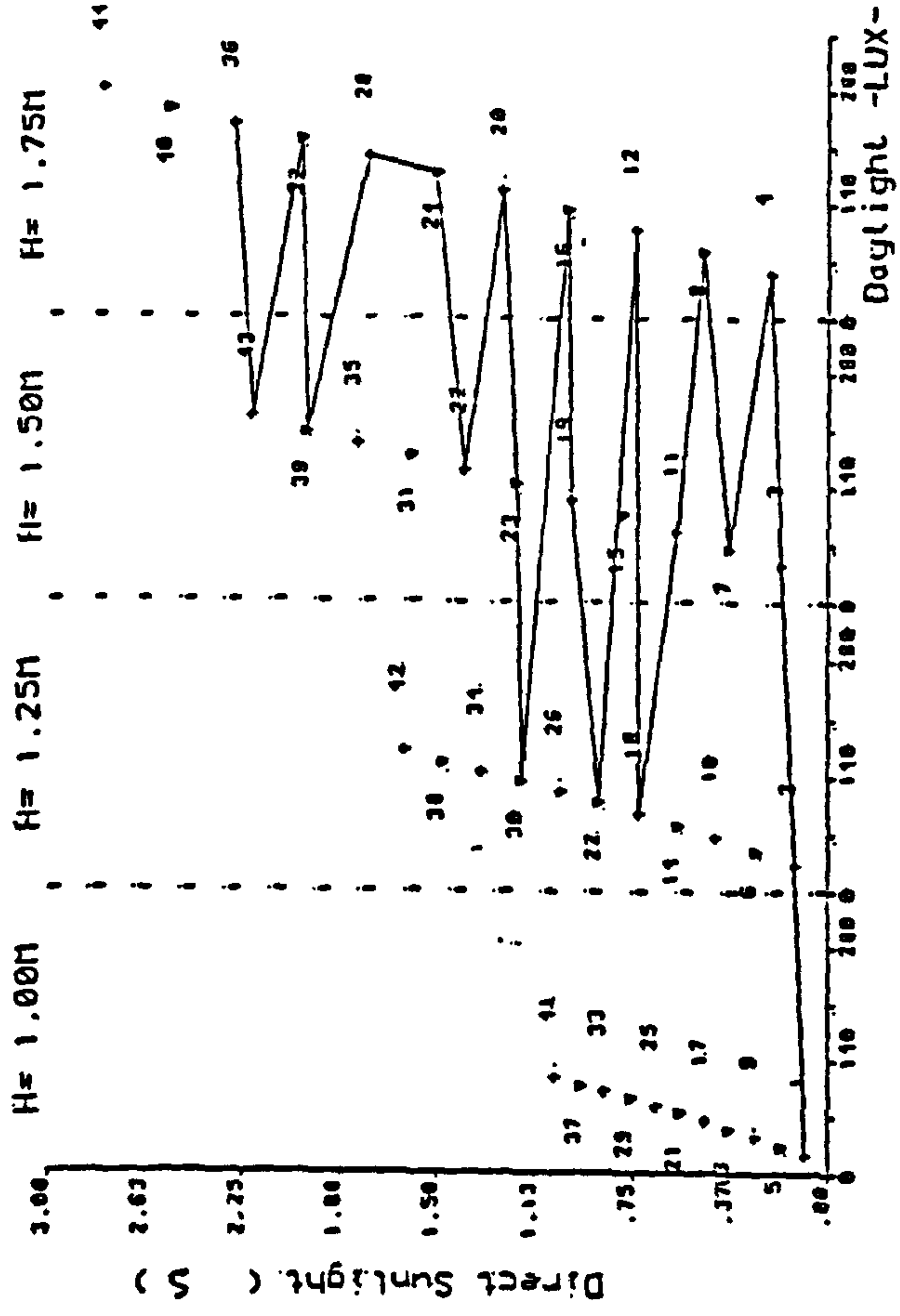


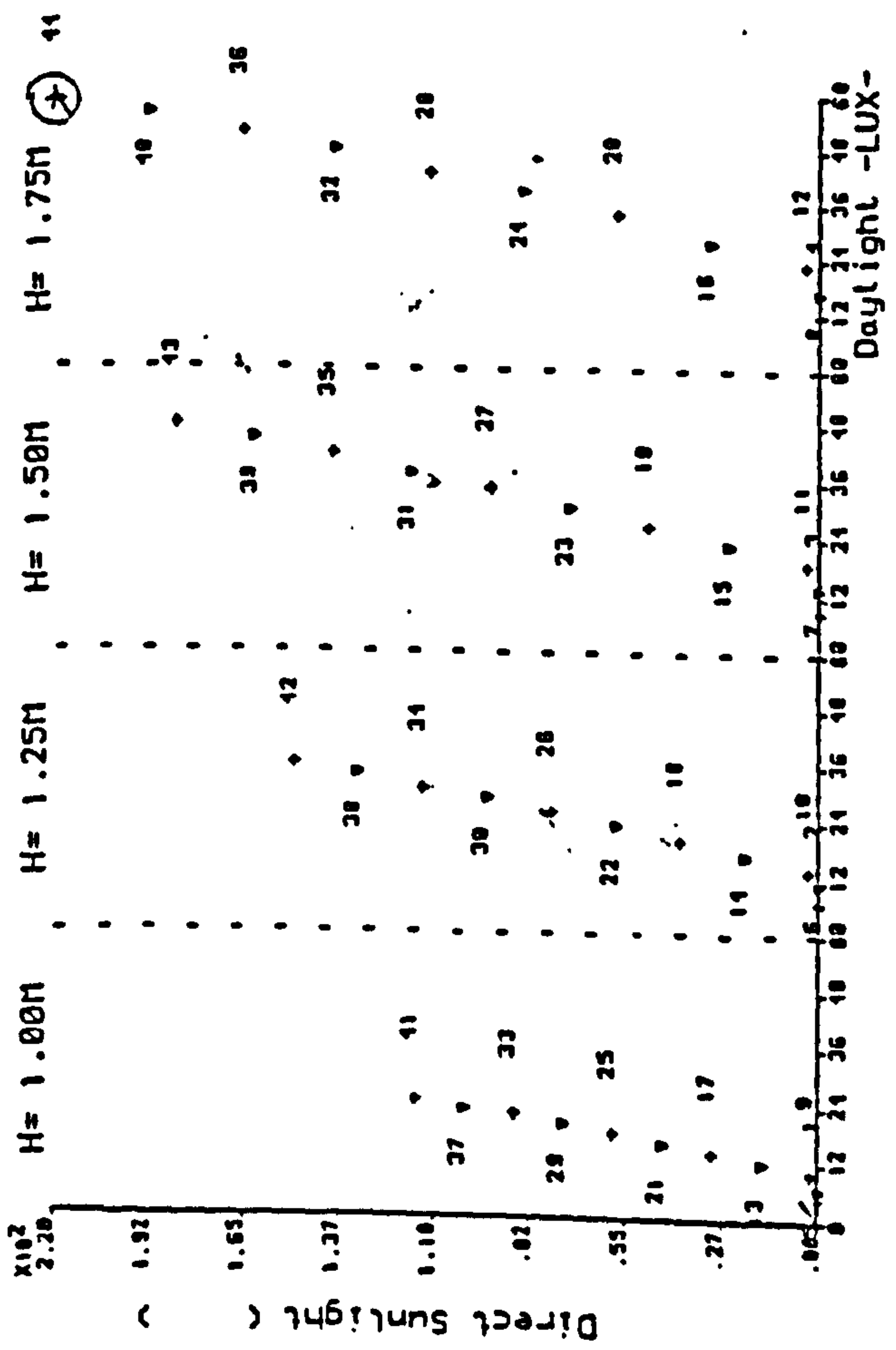
INTERHOUSE DISTANCE - 3.0 M -



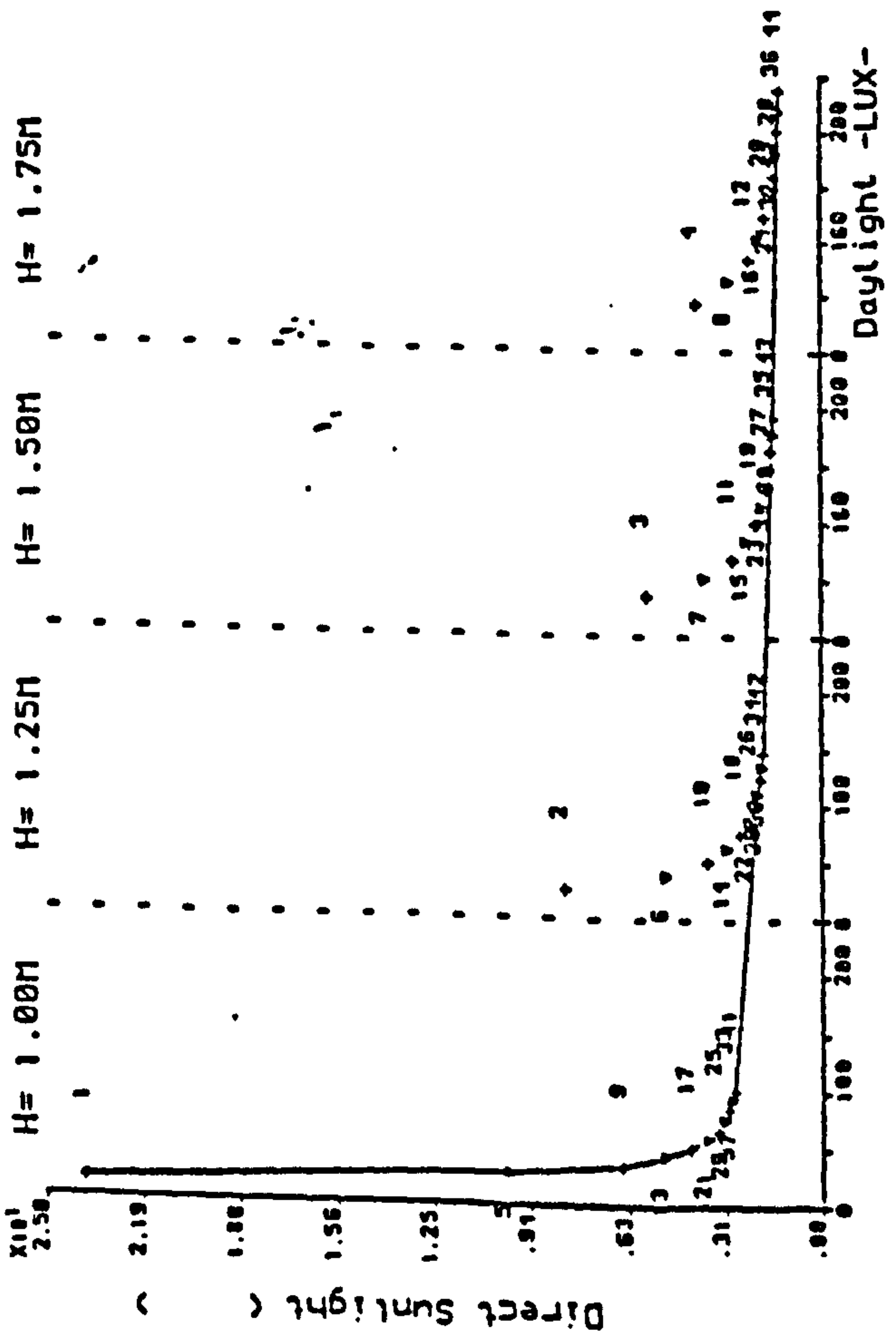




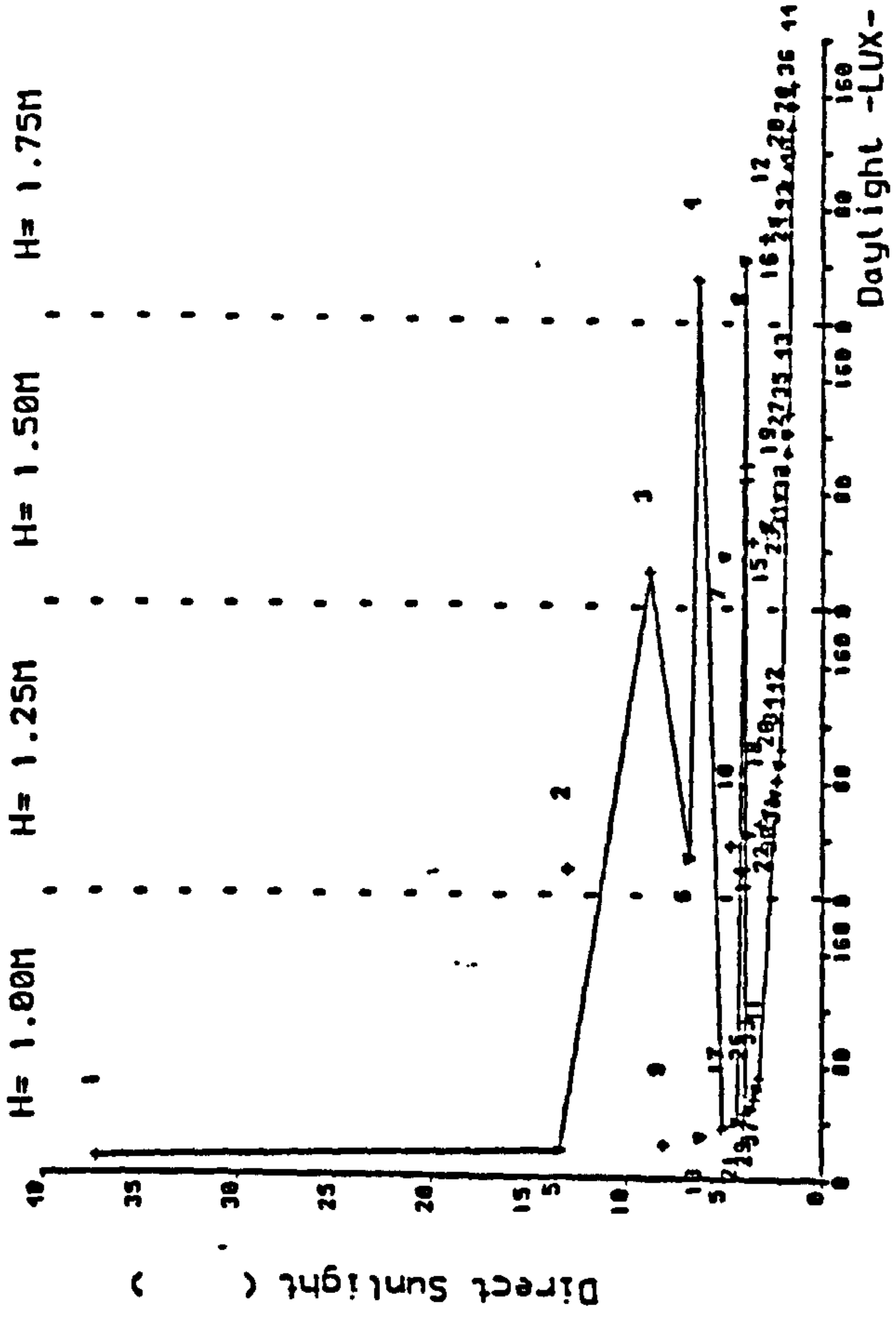




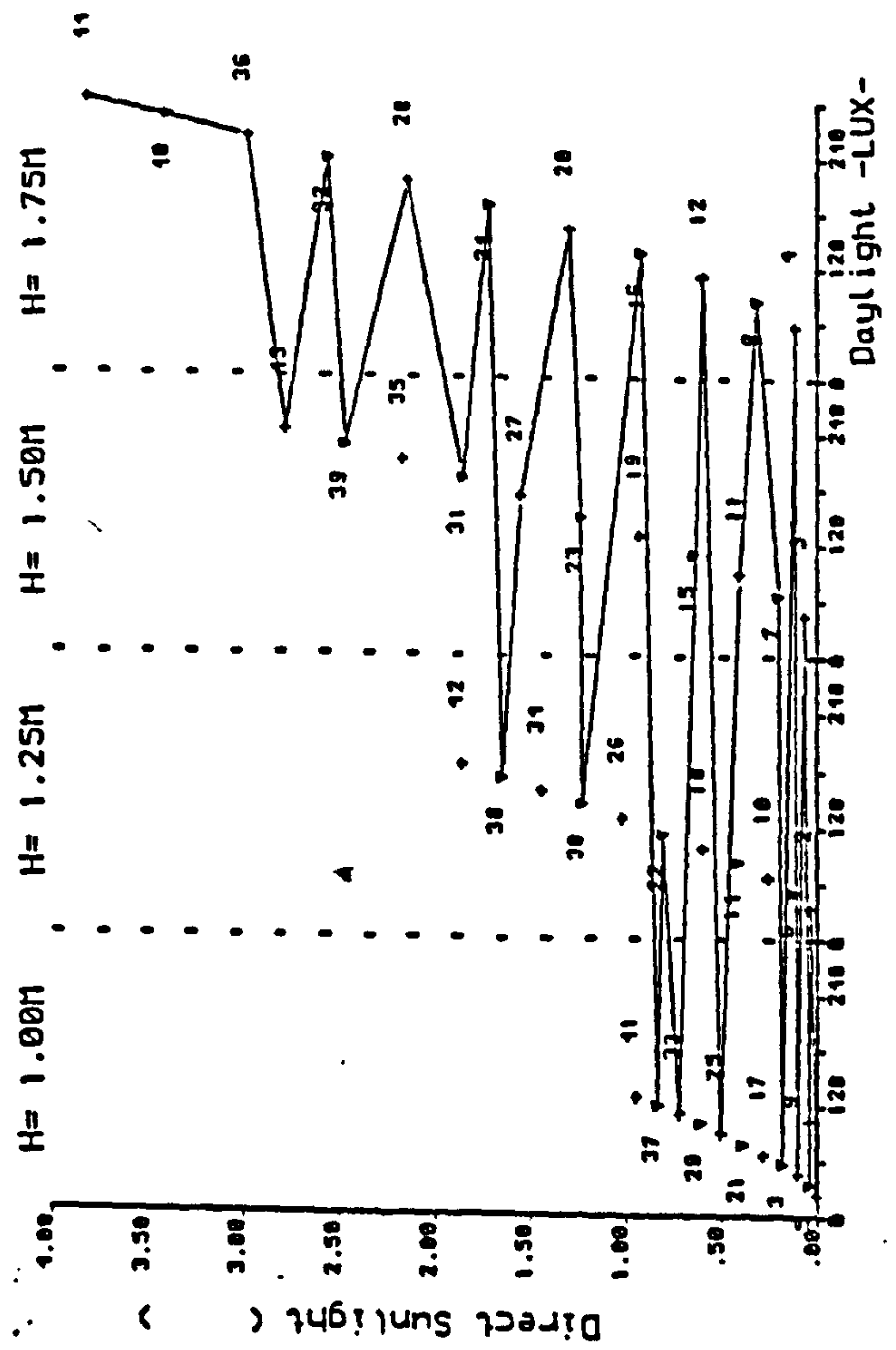
INTERHOUSE DISTANCE (1.0). -



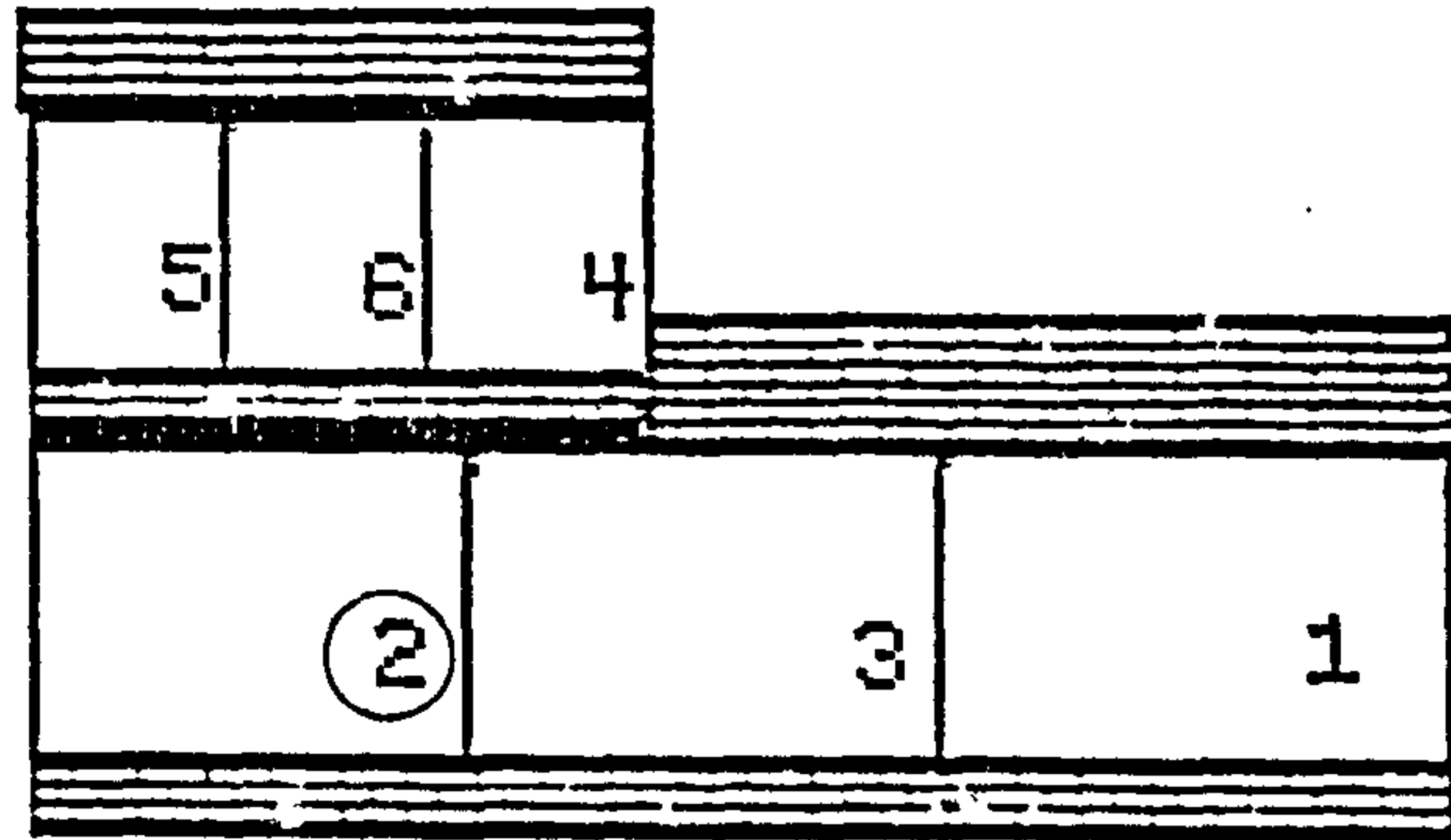
INTERHOUSE DISTANCE 3.0.



INTERHOUSE DISTANCE (2.0). -



INTERHOUSE DISTANCE 4.0



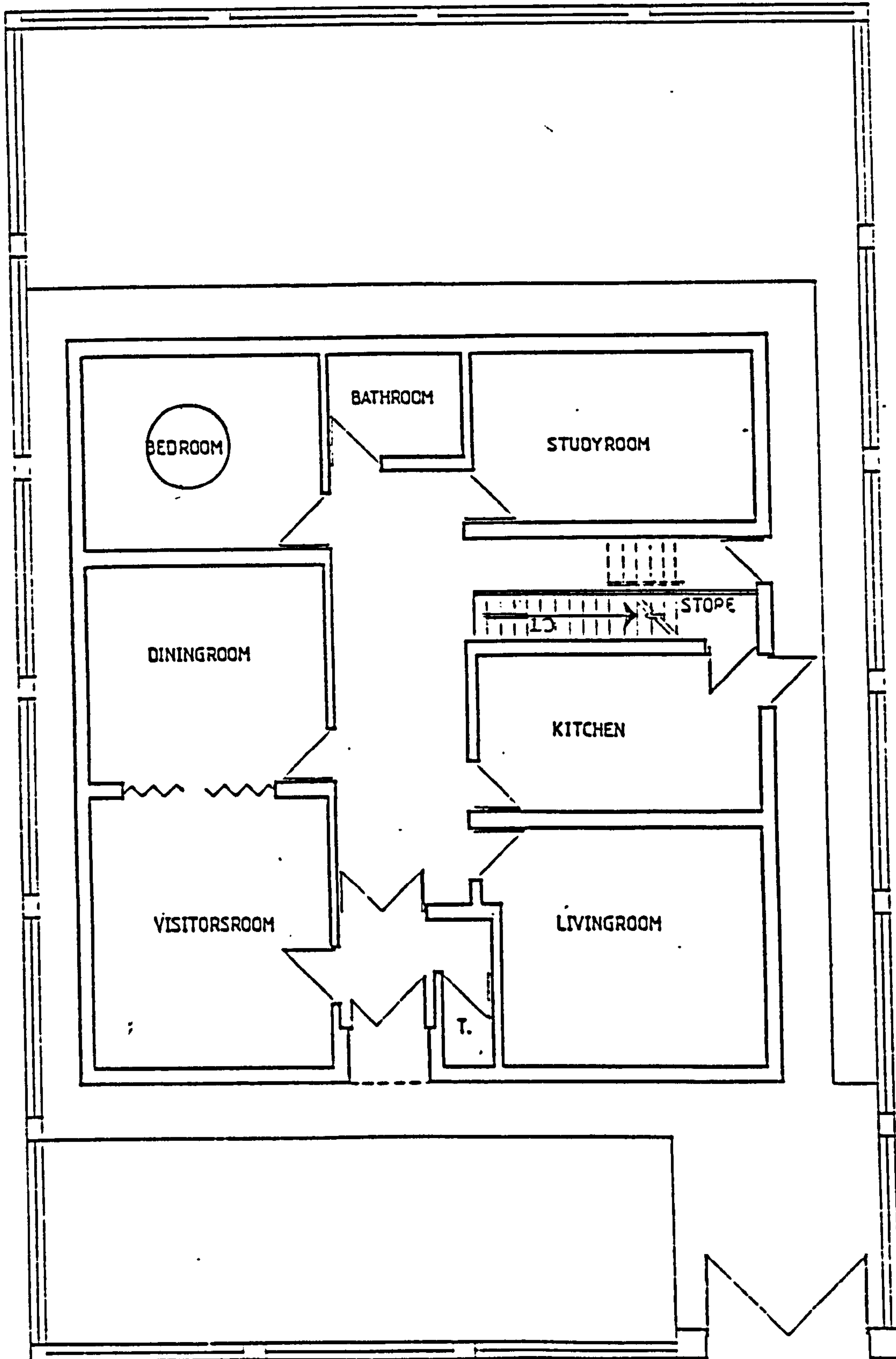
Key diagram showing the location of window data .

Side Wall No. 2  
1 1/2 Storey

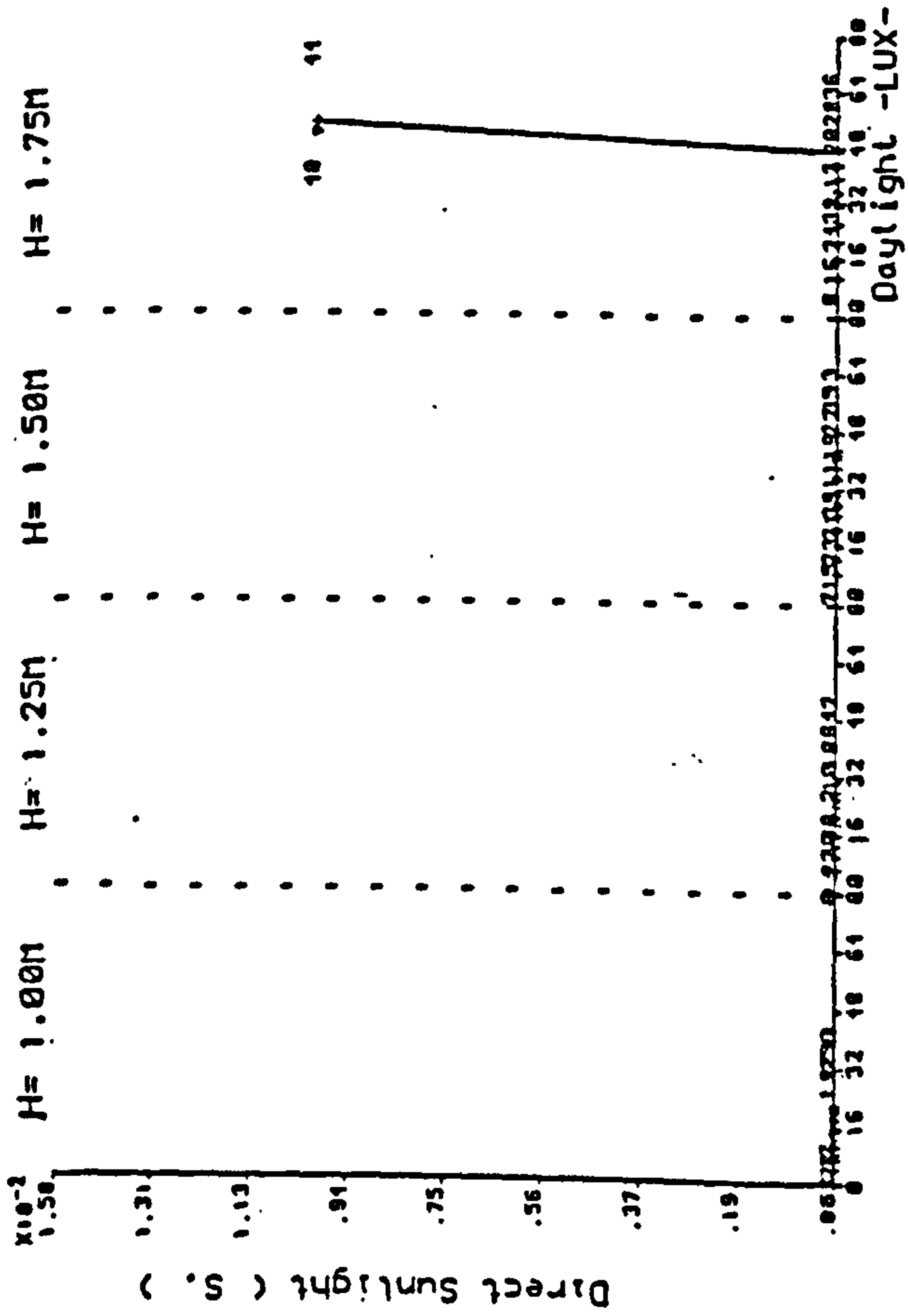
Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1500
22.5	1501
45	1502
67.5	1503
90	1504
112.5	1505
135	1506
157.5	1507
180	1508
202.5	1509
225	1510
247.5	1511
270	1512
292.5	1513
315	1514
337.5	1515

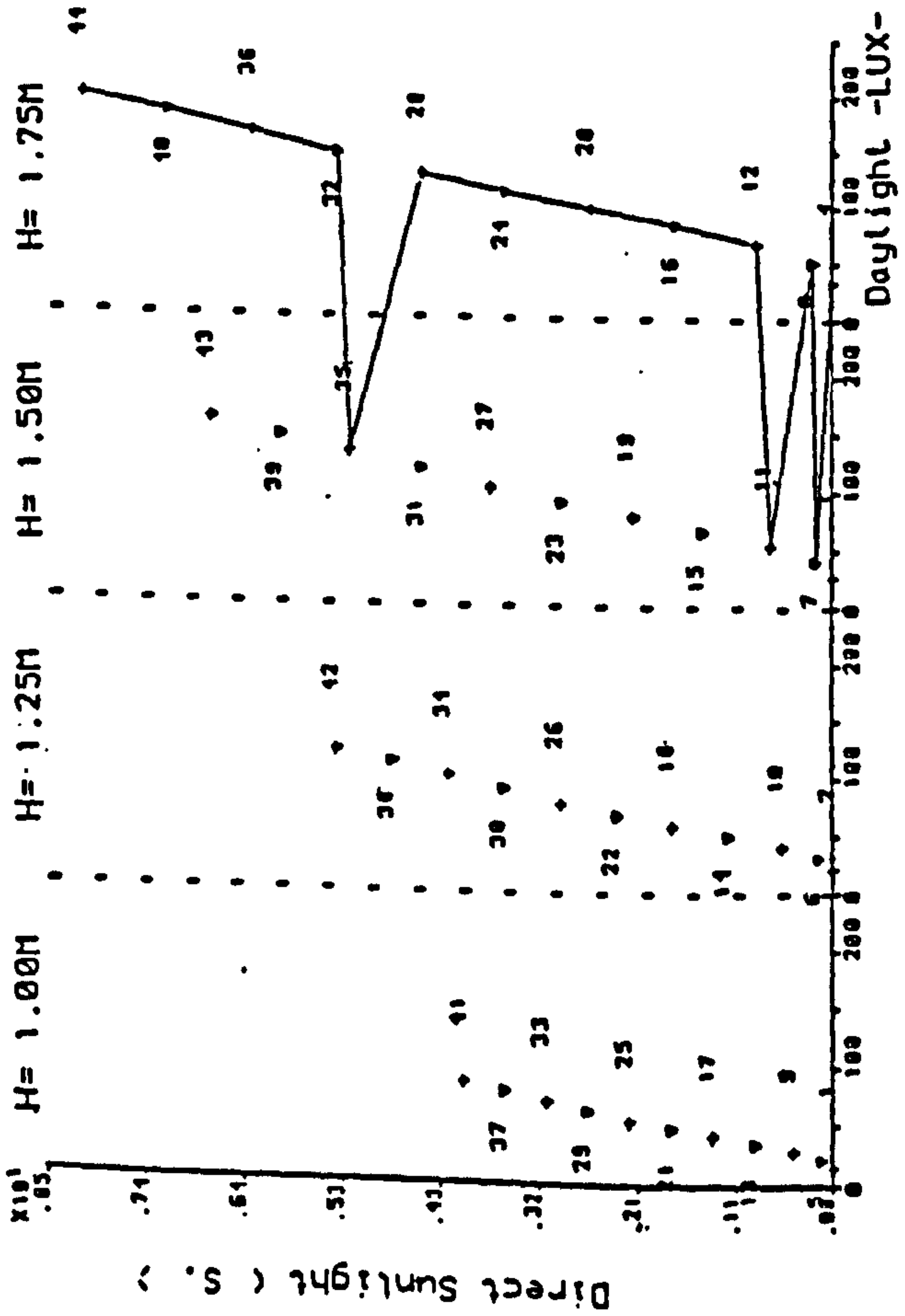




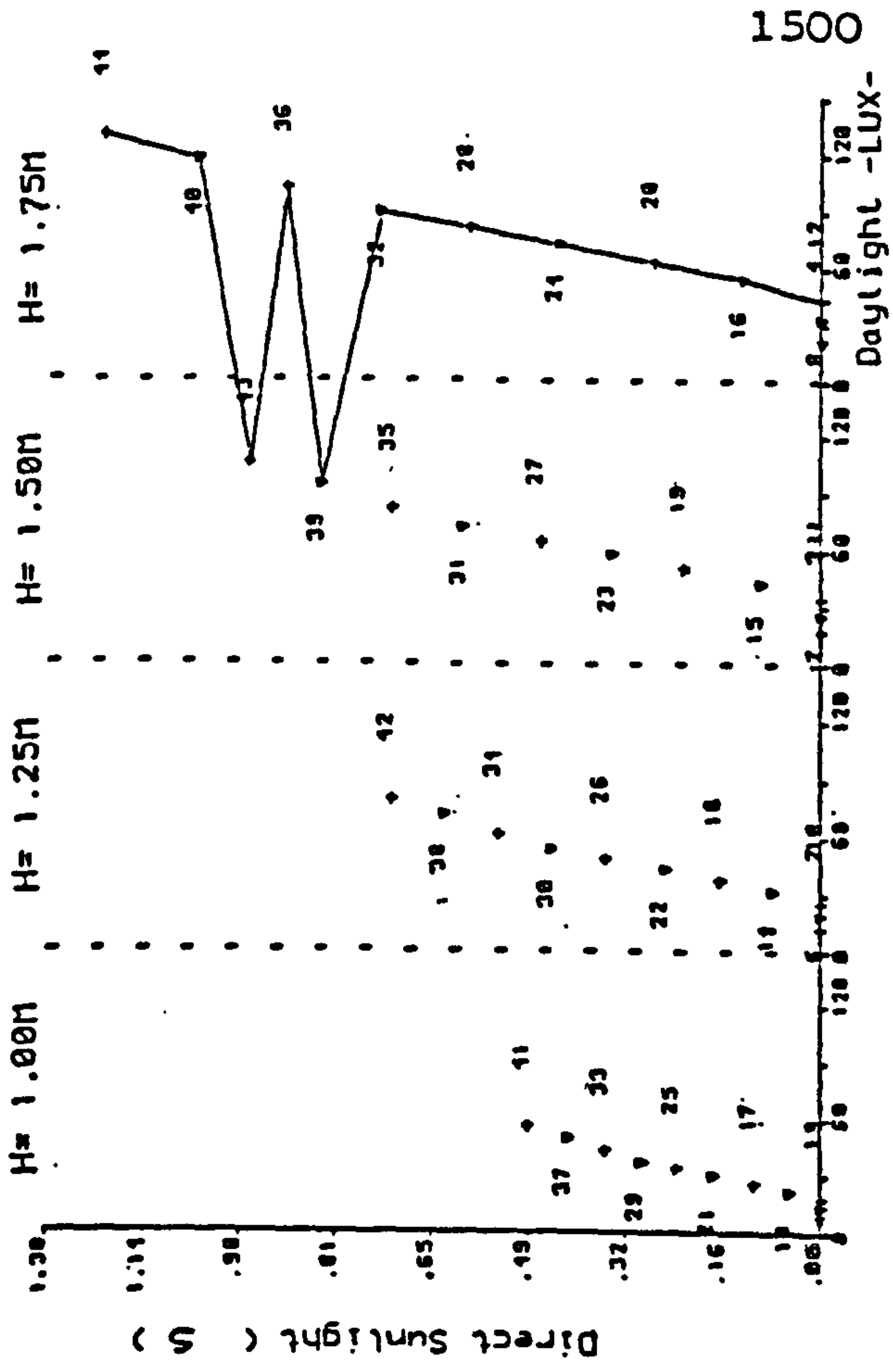
GROUND FLOOR PLAN



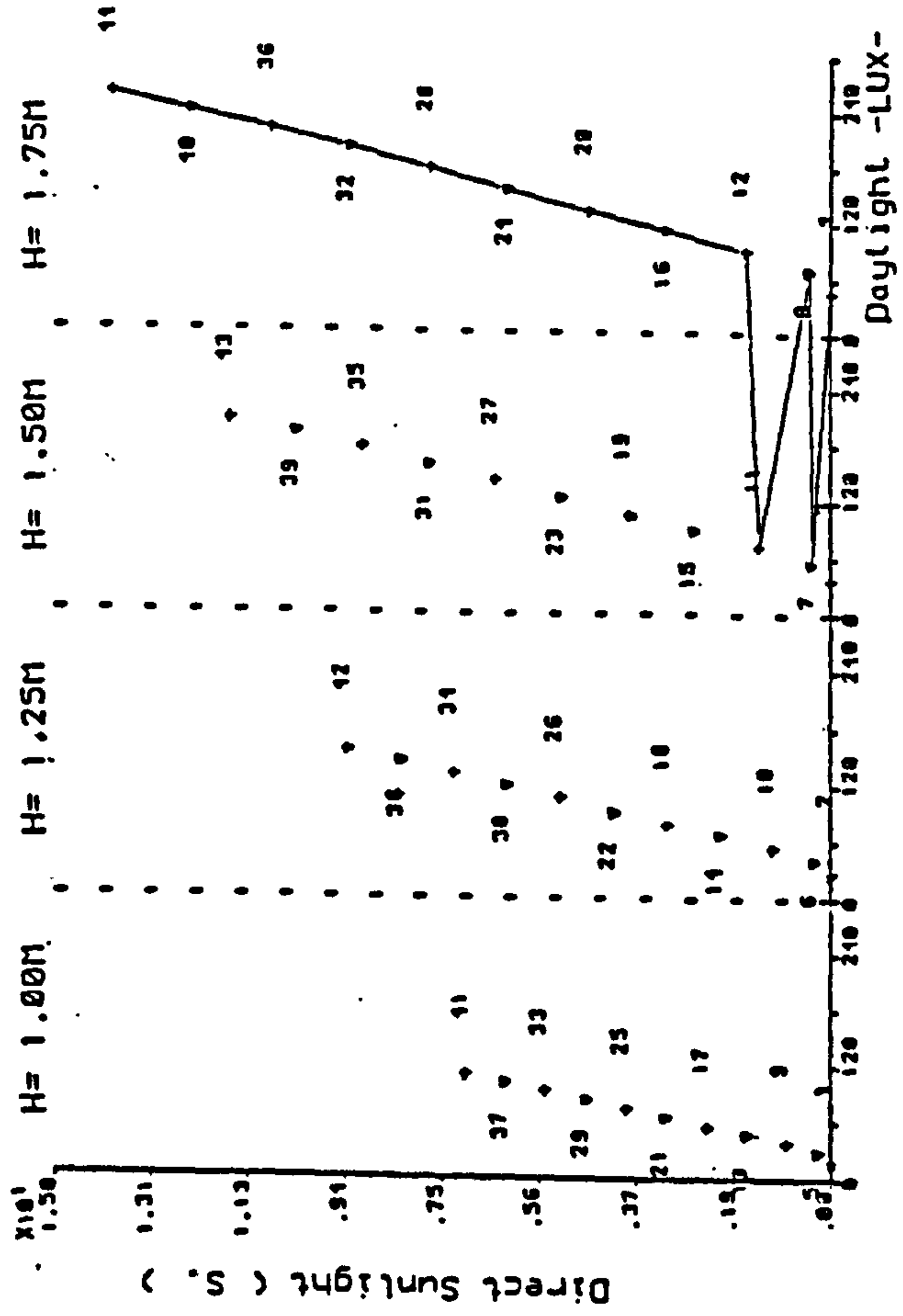
INTERHOUSE DISTANCE - 1.0 M -



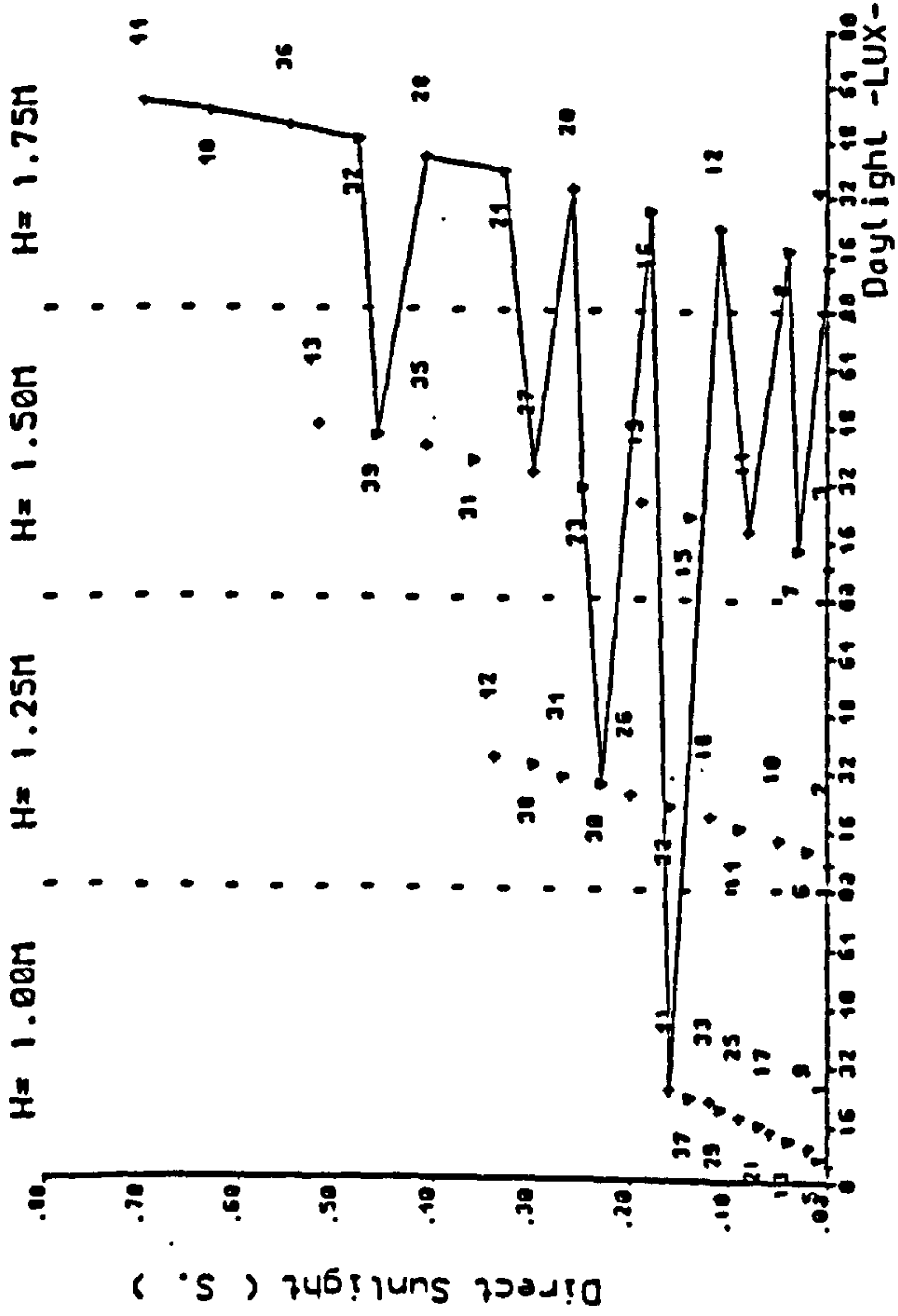
INTERHOUSE DISTANCE - 3.0 M -



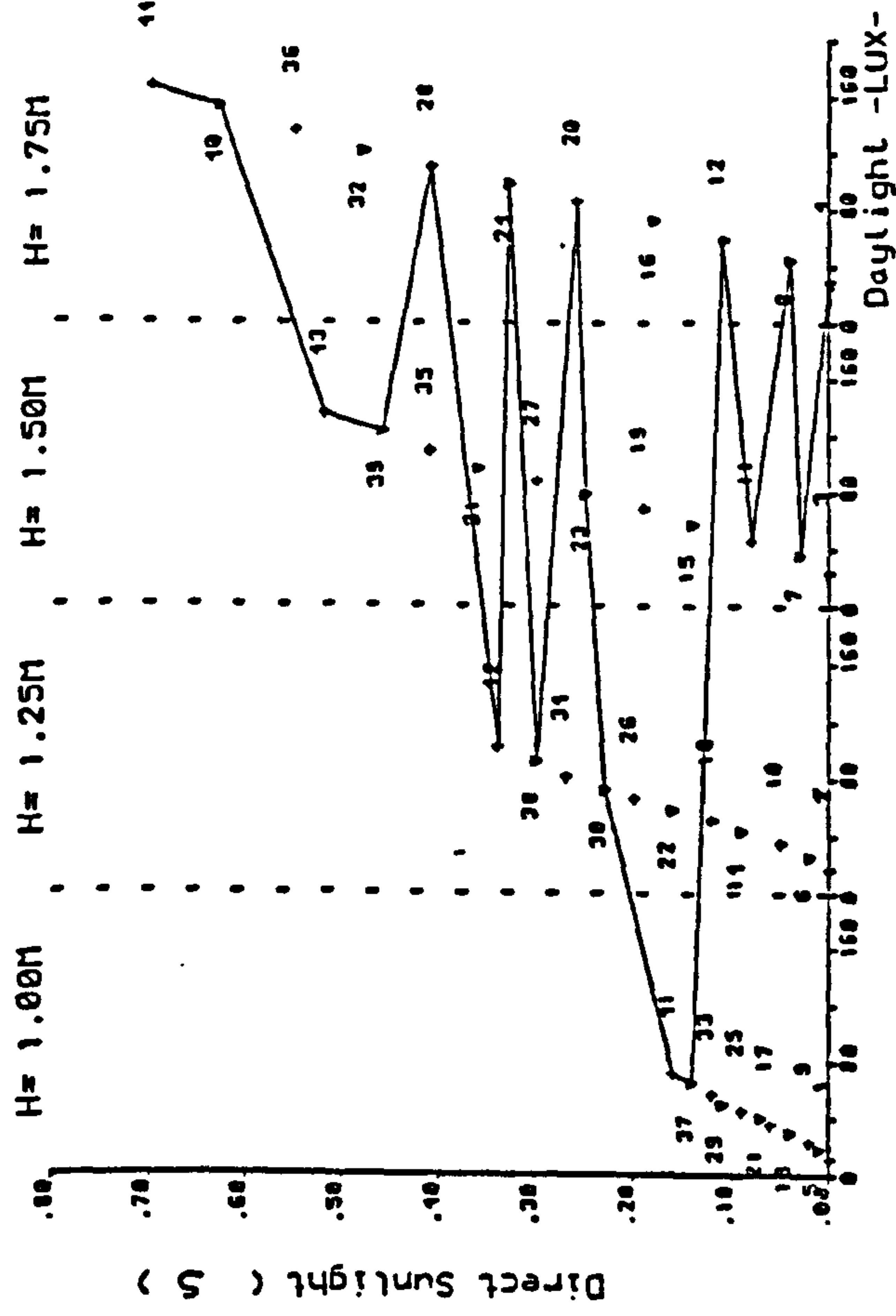
INTERHOUSE DISTANCE - 2.0 M -



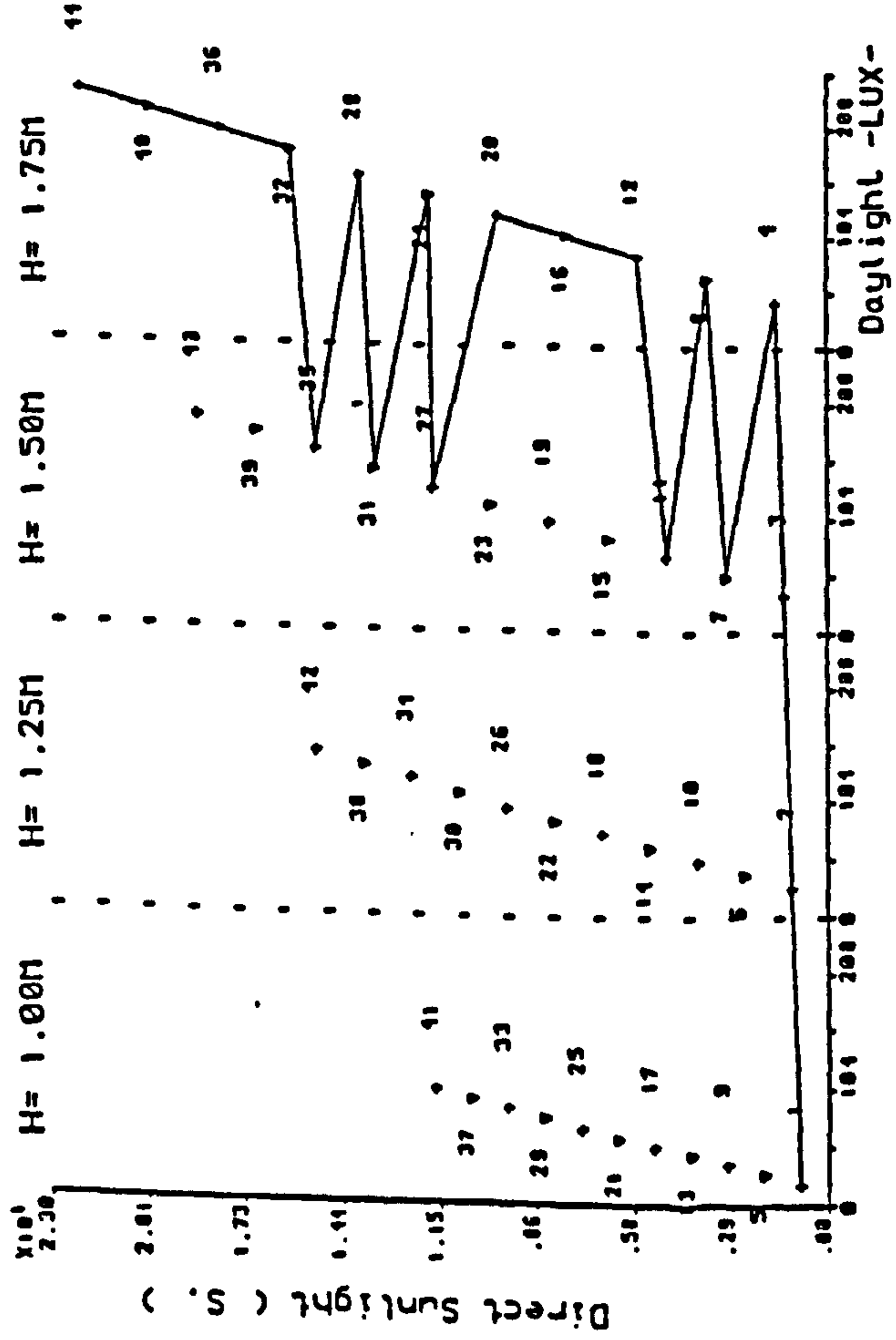
INTERHOUSE DISTANCE - 1.0 M -



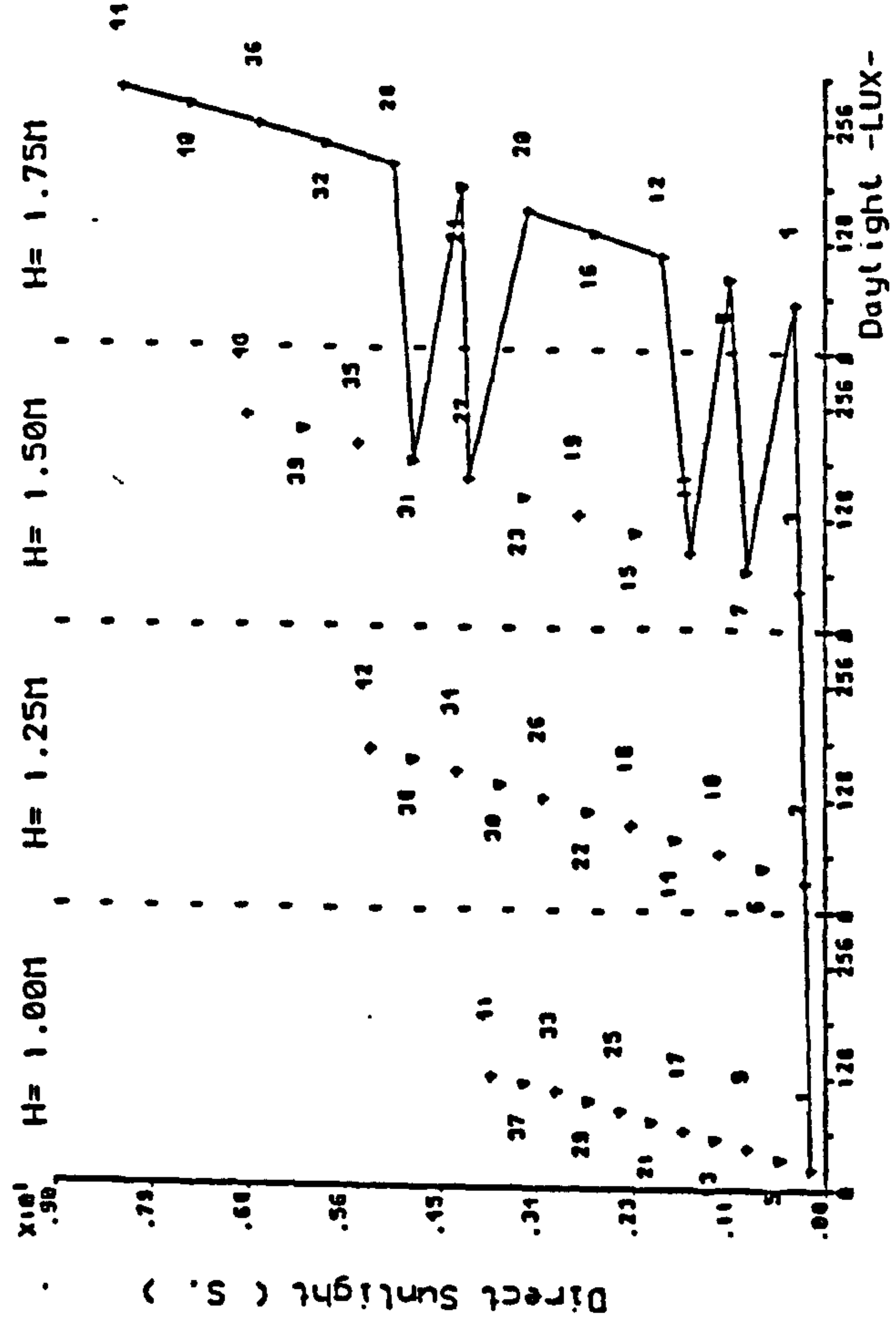
INTERHOUSE DISTANCE - 1.0 M -



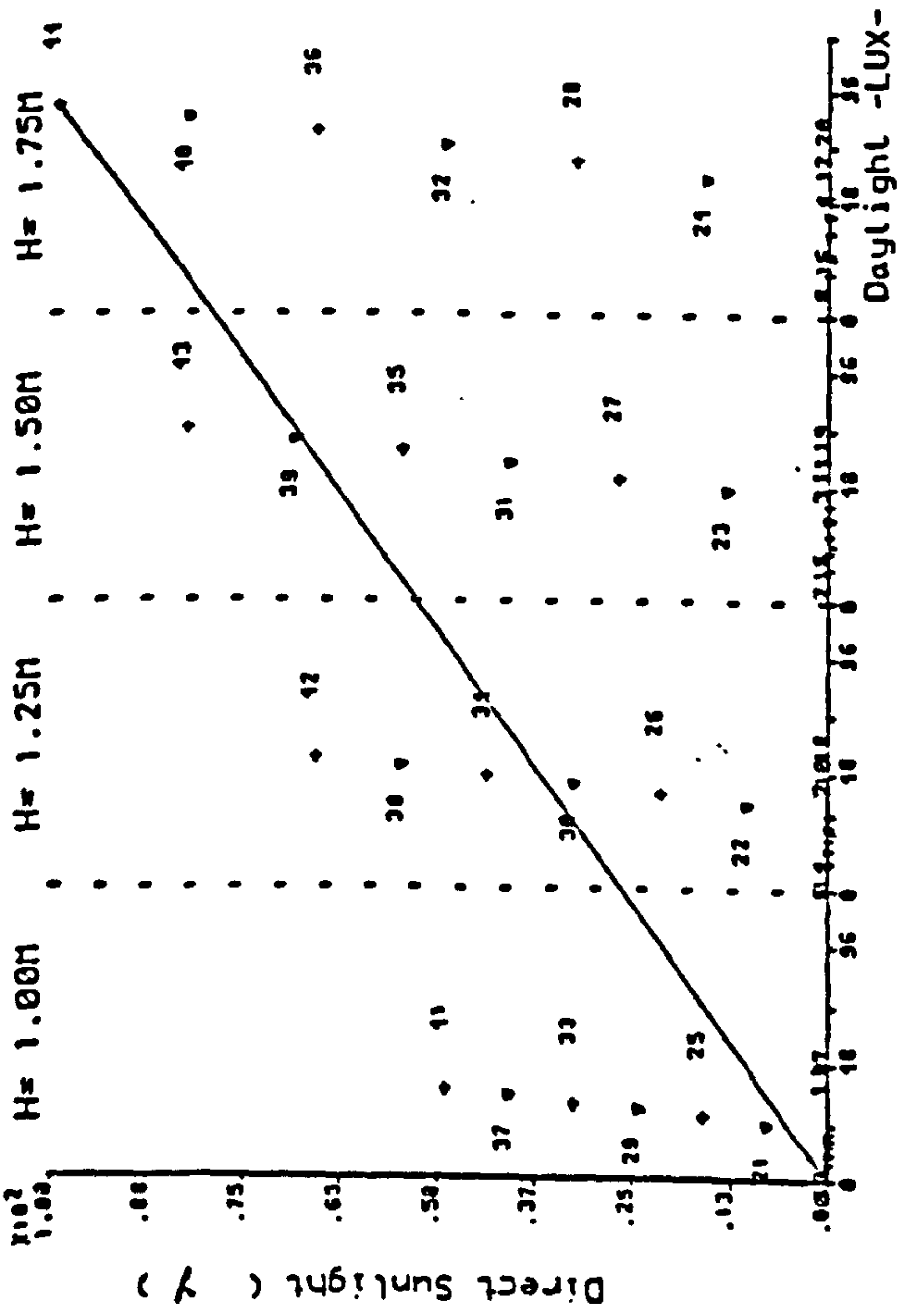
INTERHOUSE DISTANCE - 2.0 M -



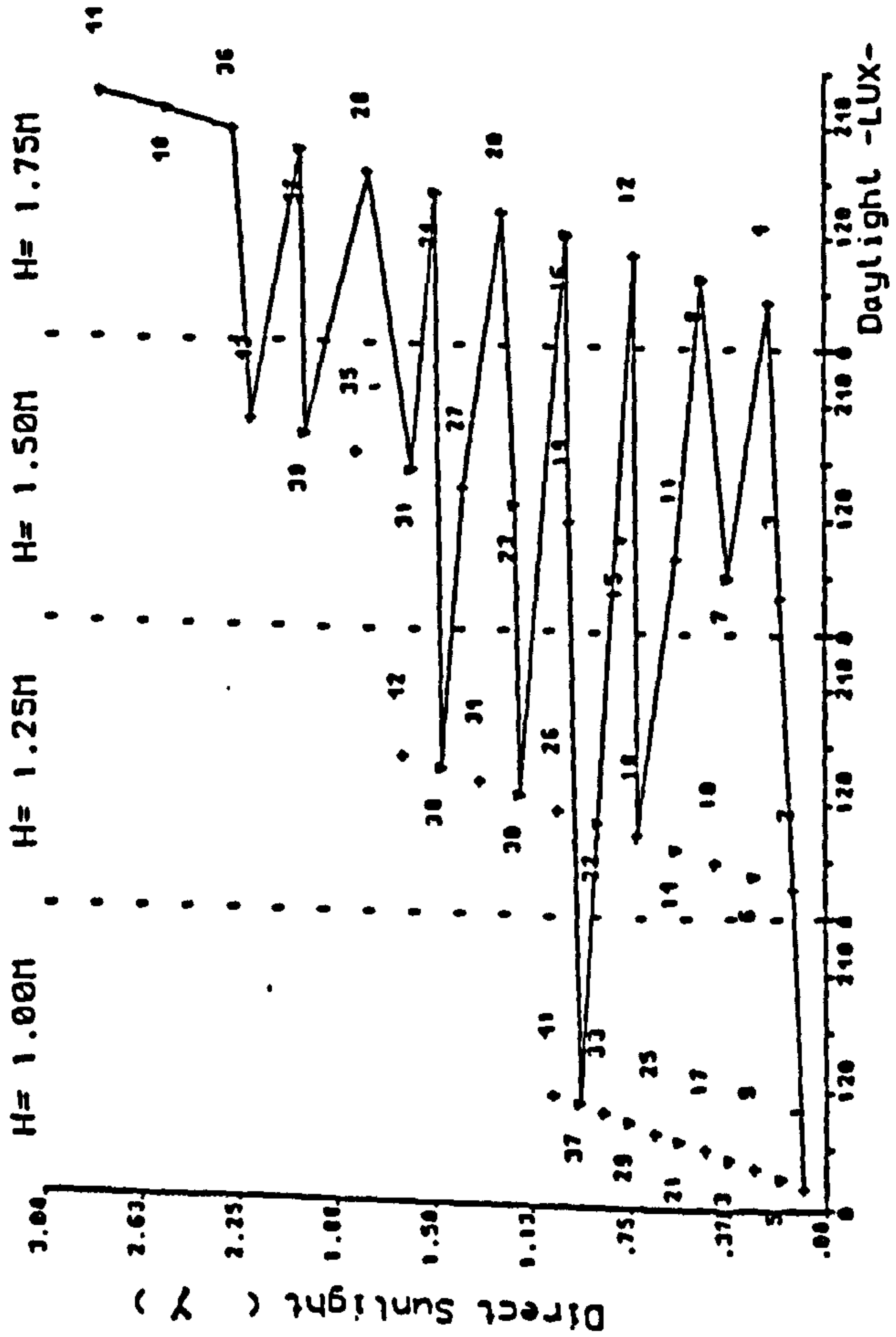
INTERHOUSE DISTANCE - 3.0 M -



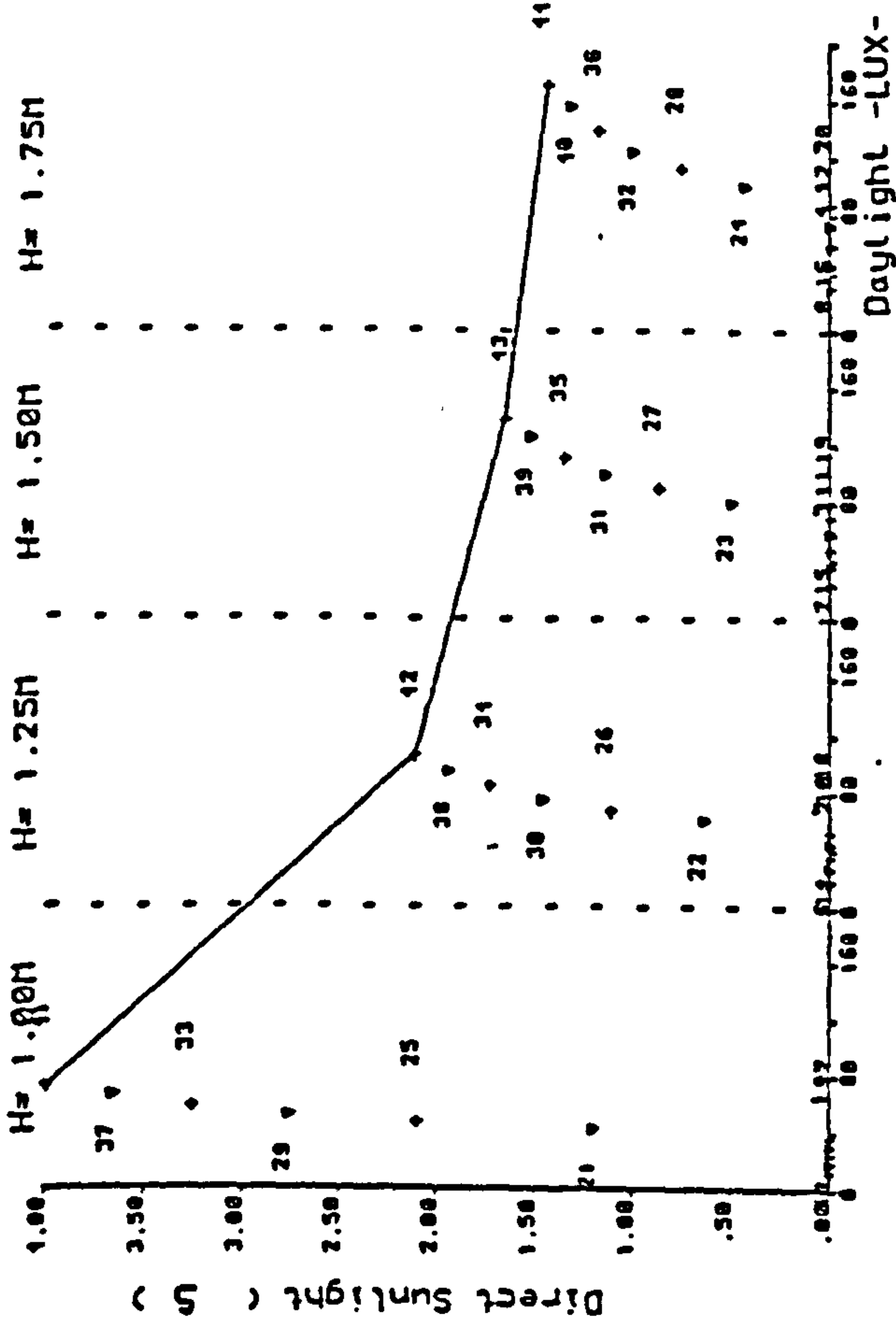
INTERHOUSE DISTANCE - 4.0 M -



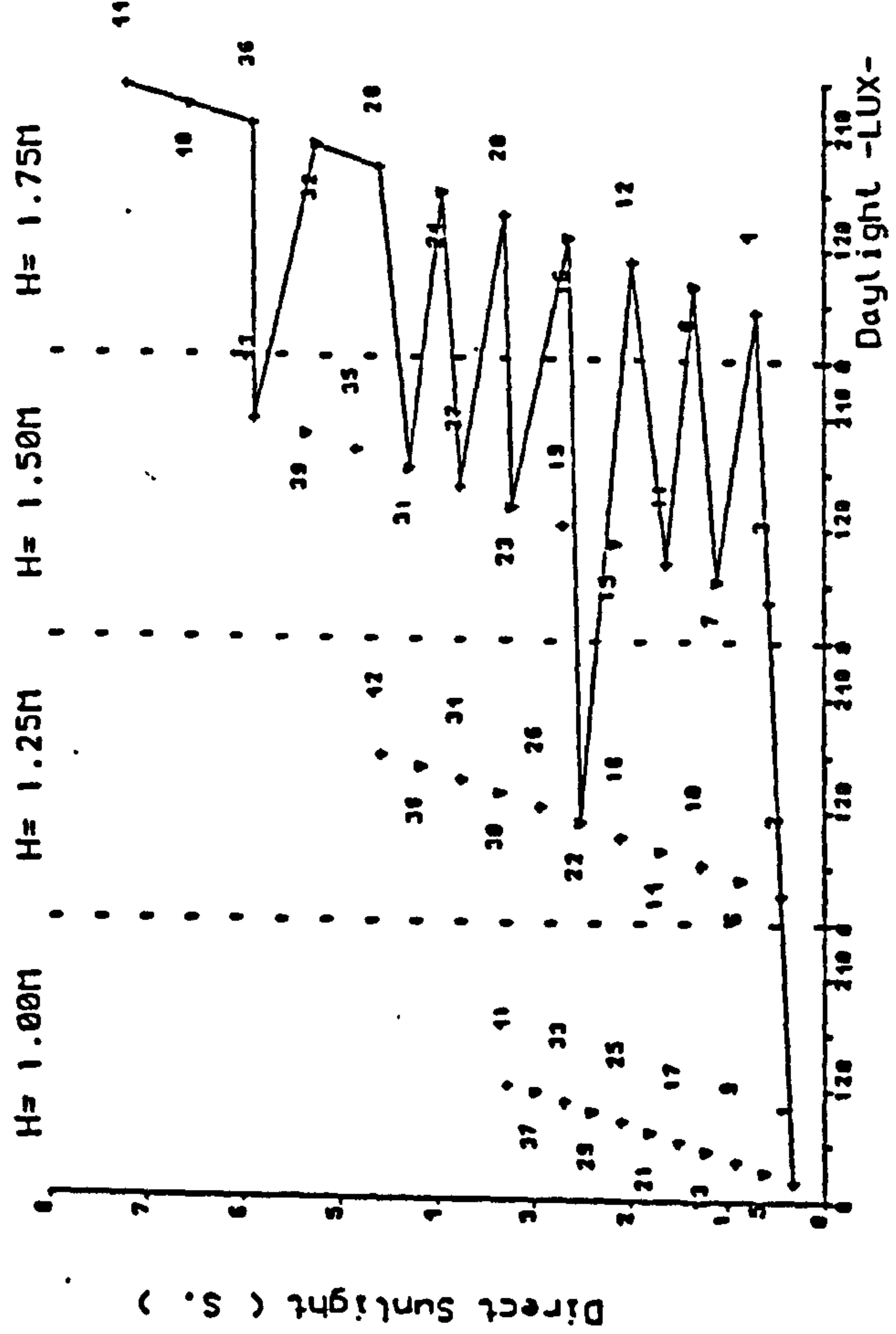
INTERHOUSE DISTANCE - 1.0M -



INTERHOUSE DISTANCE - 3.0M -

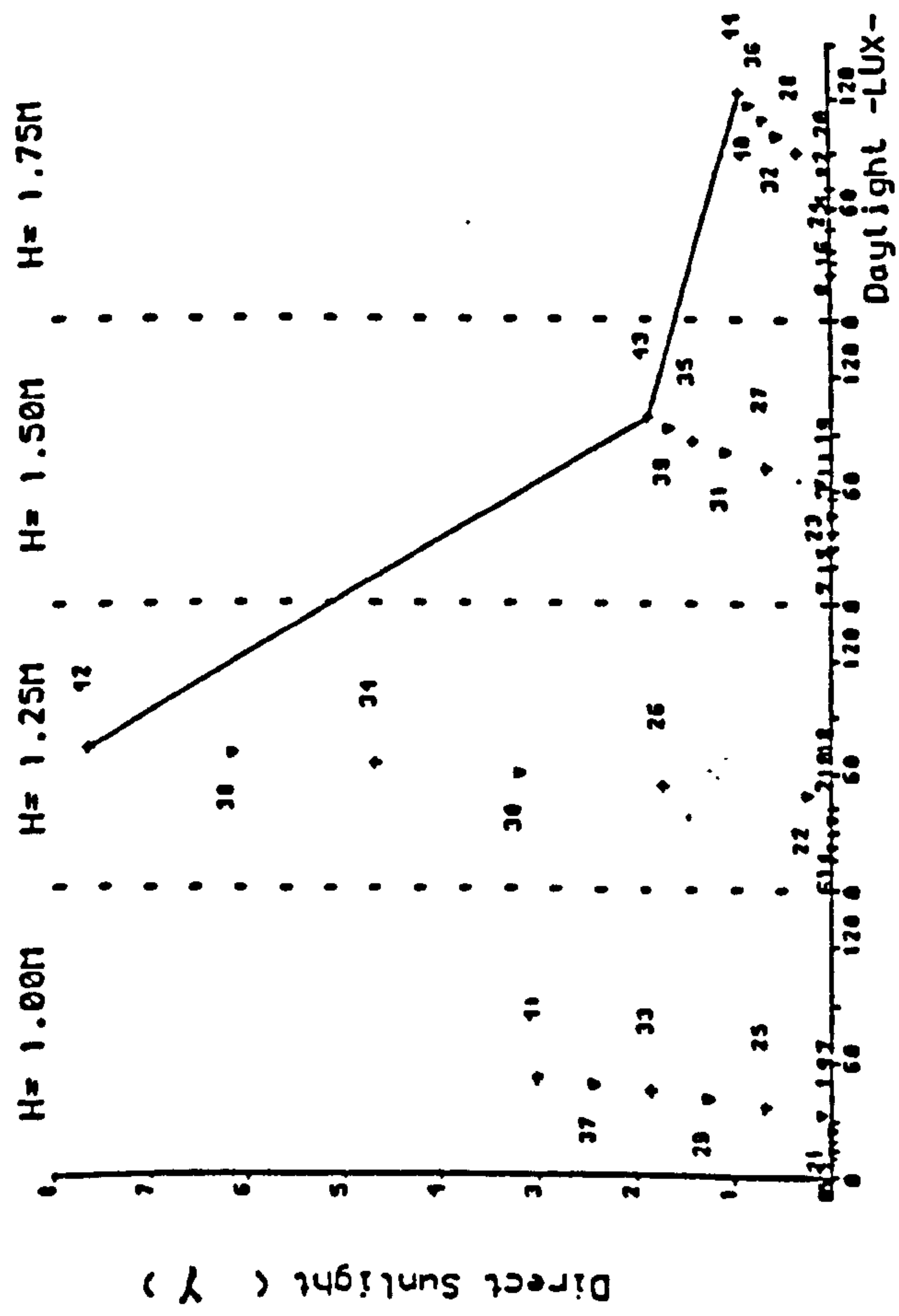


INTERHOUSE DISTANCE - 2.0M -

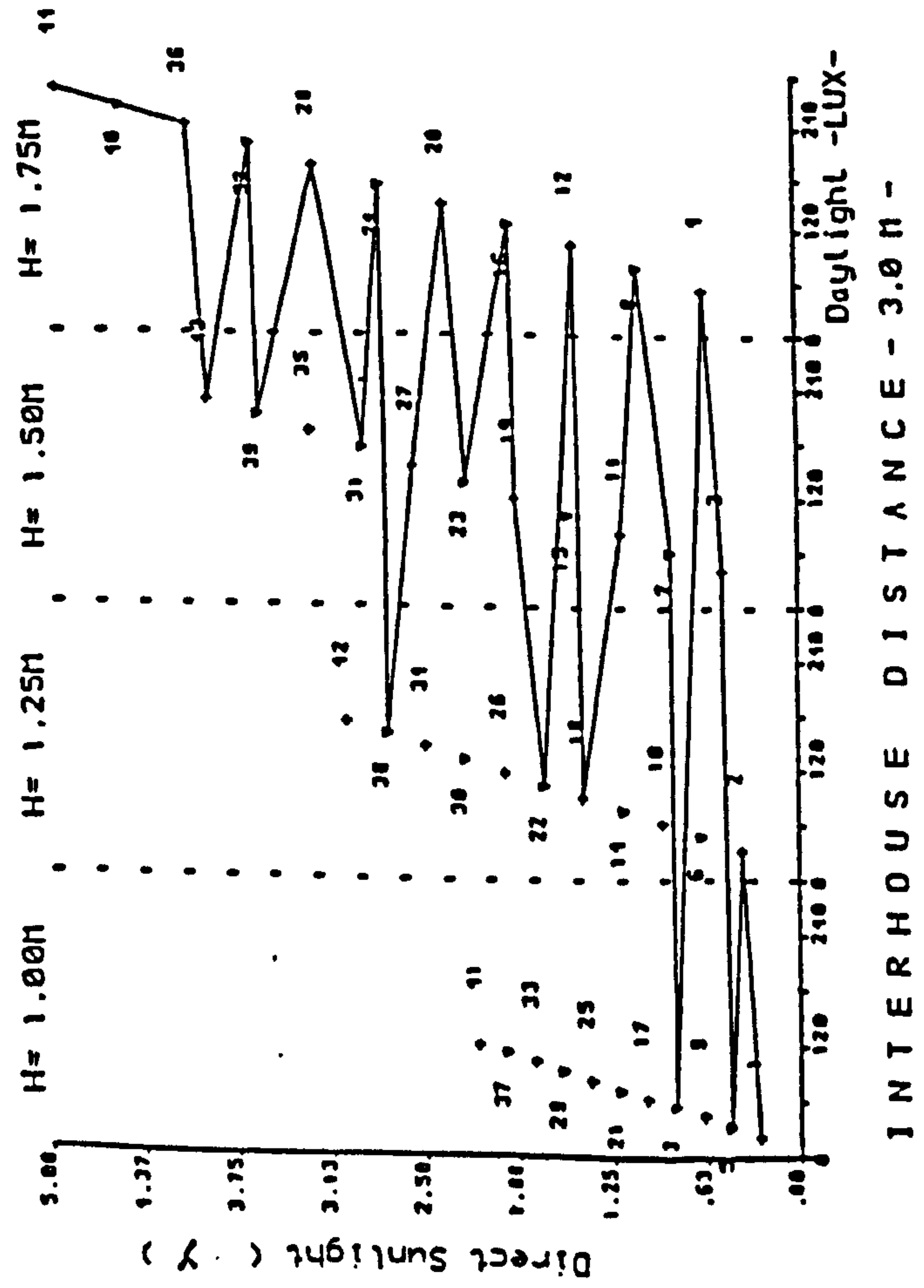


INTERHOUSE DISTANCE - 1.0M -

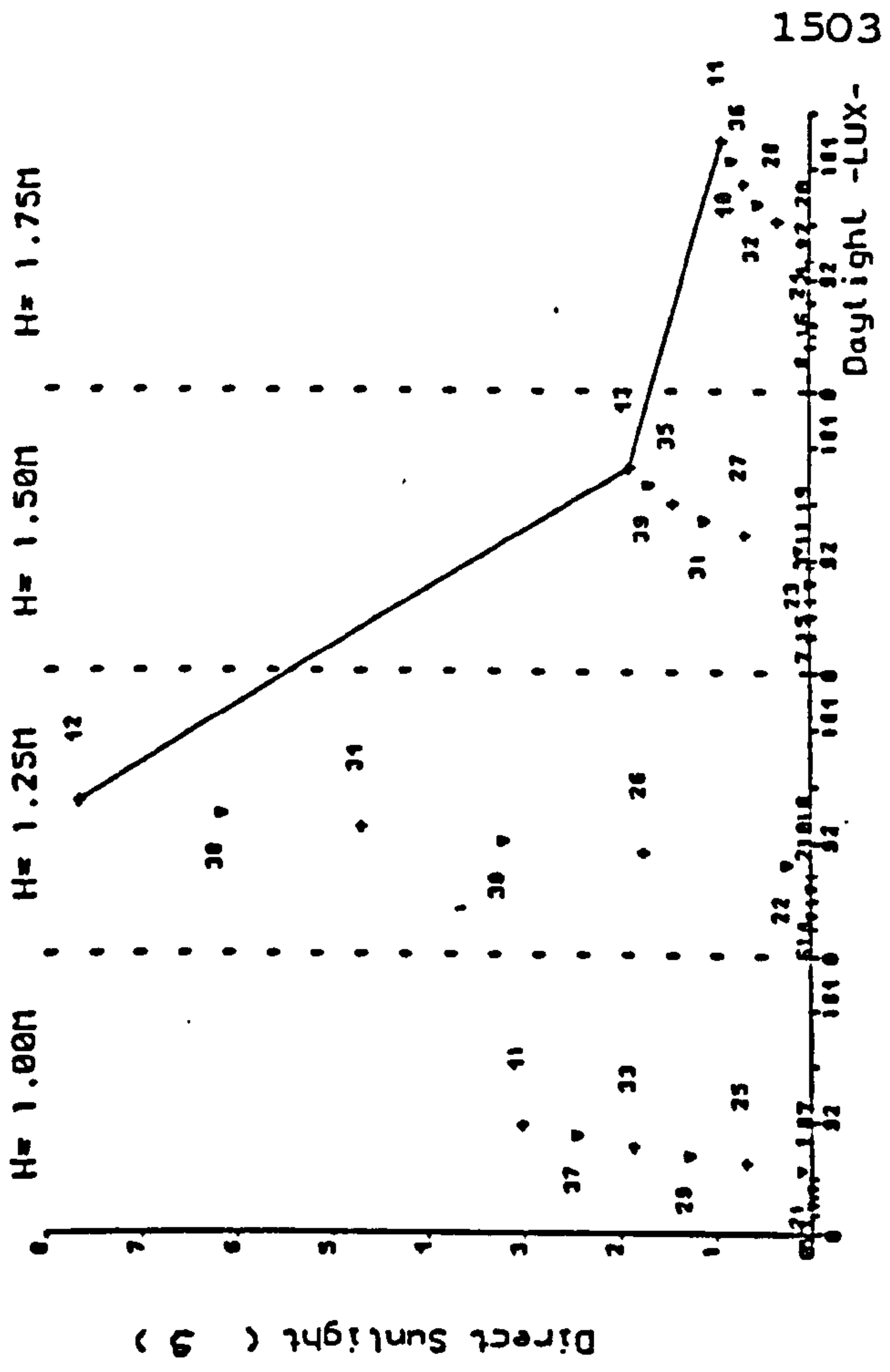




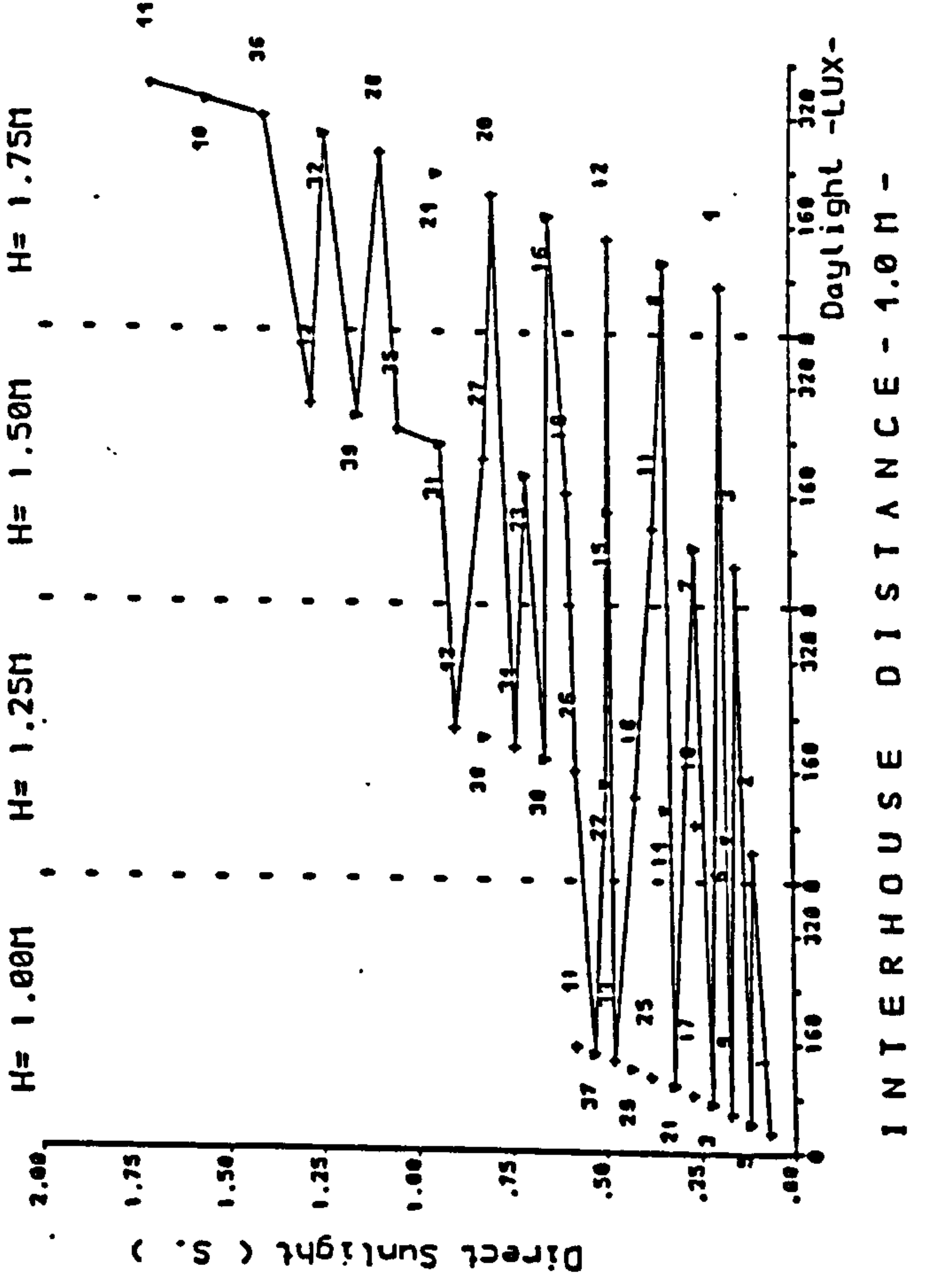
INTERHOUSE DISTANCE - 1.0 M -



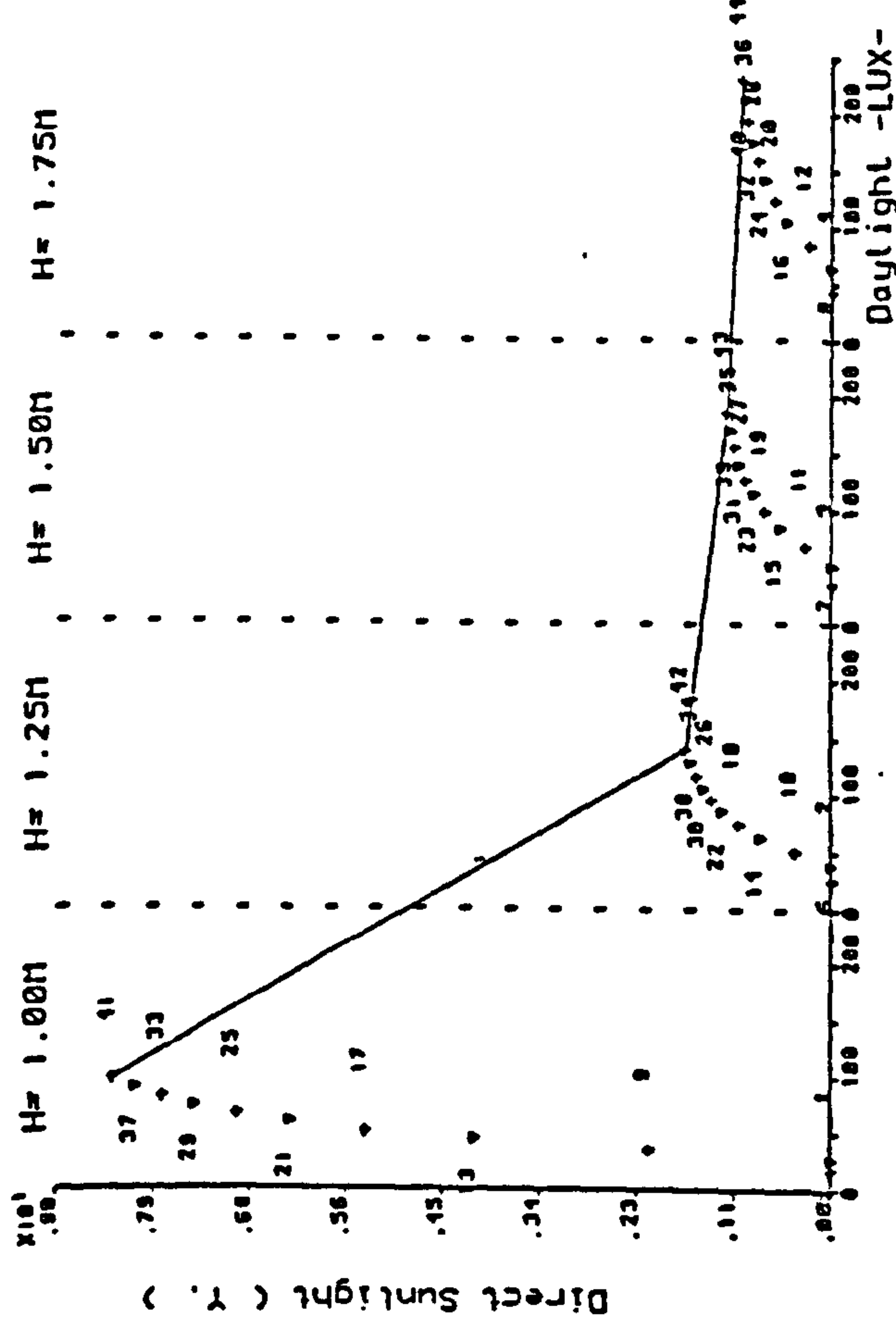
INTERHOUSE DISTANCE - 3.0 M -



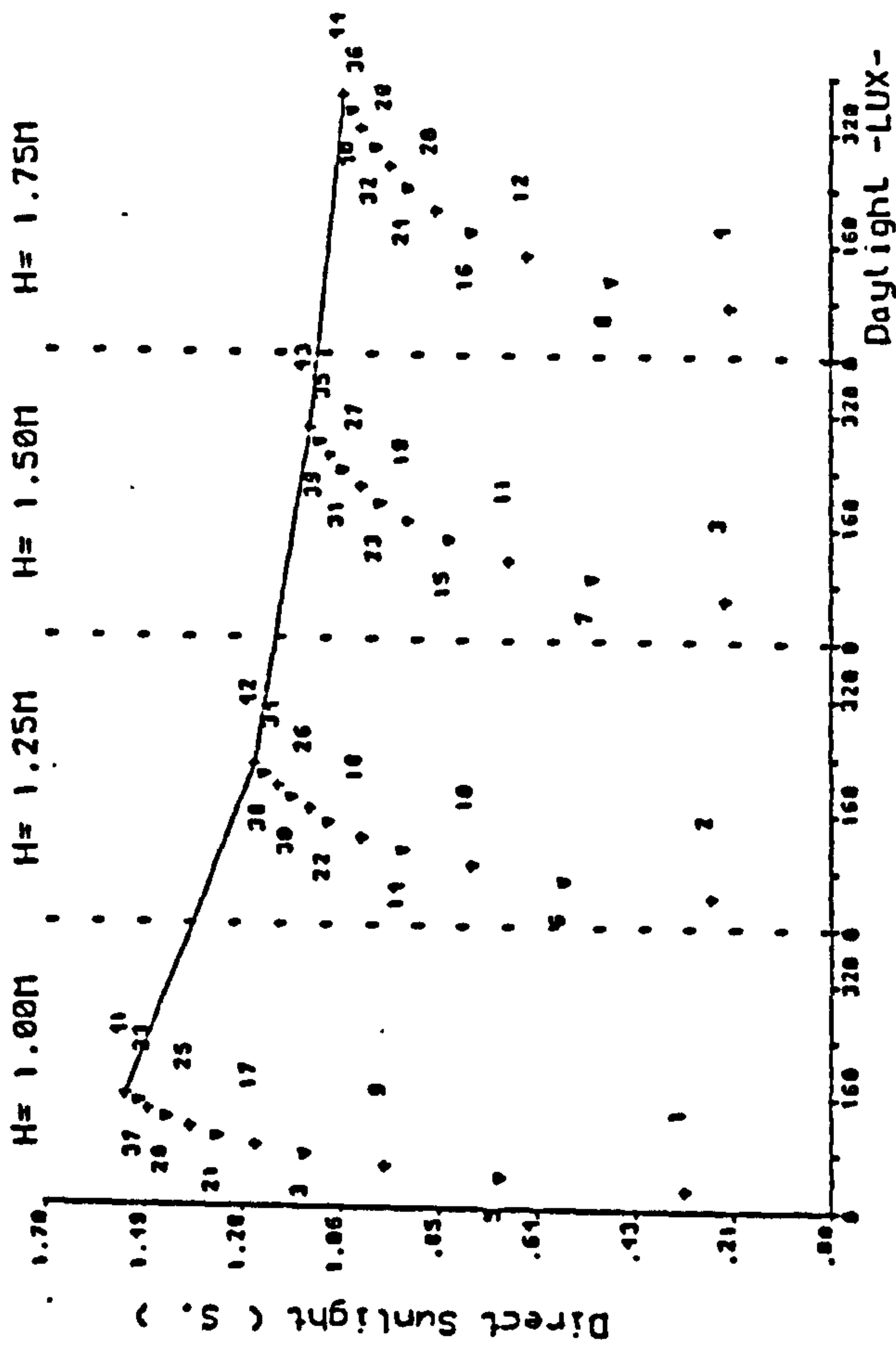
INTERHOUSE DISTANCE - 2.0 M -



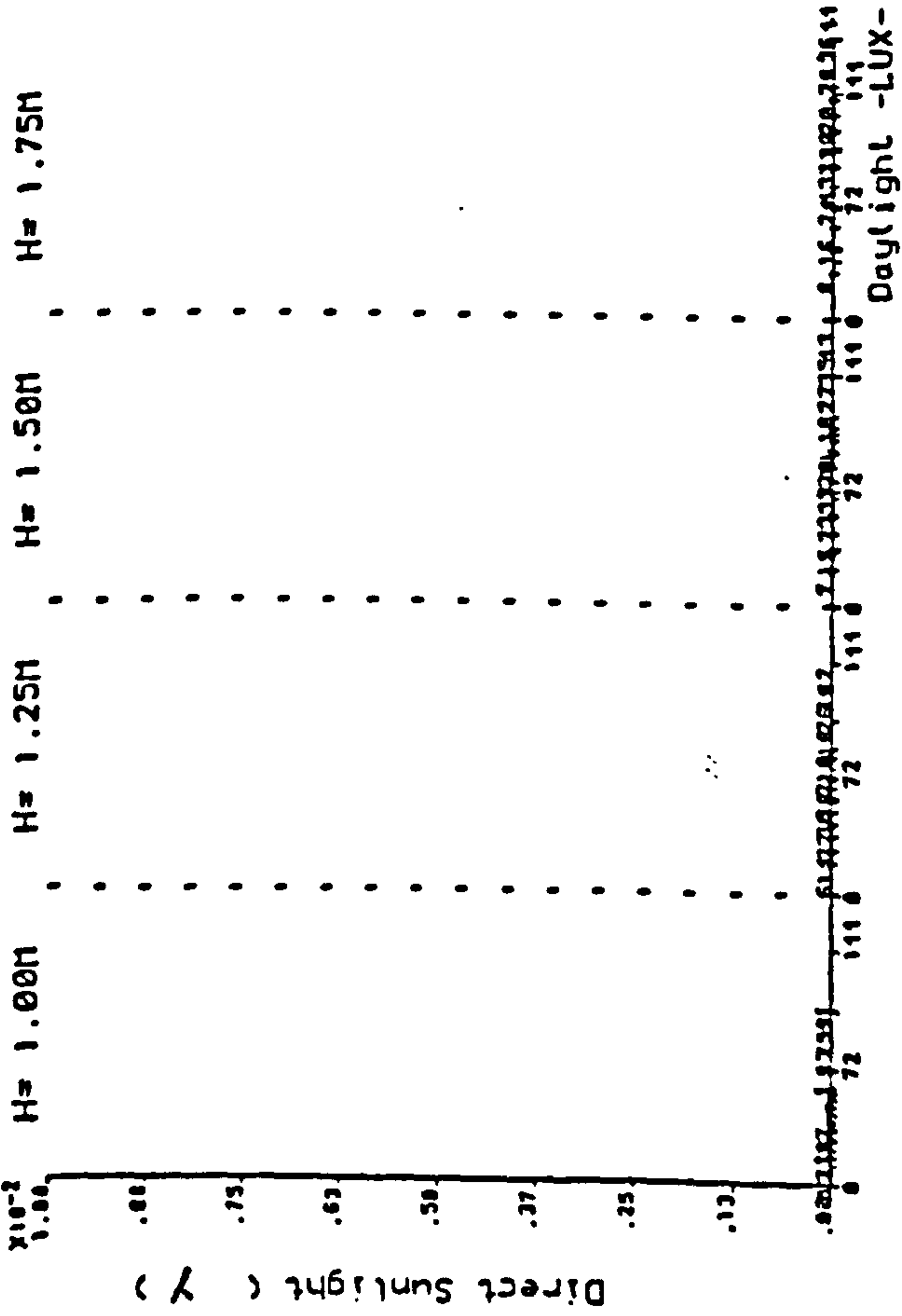
INTERHOUSE DISTANCE - 1.0 M -



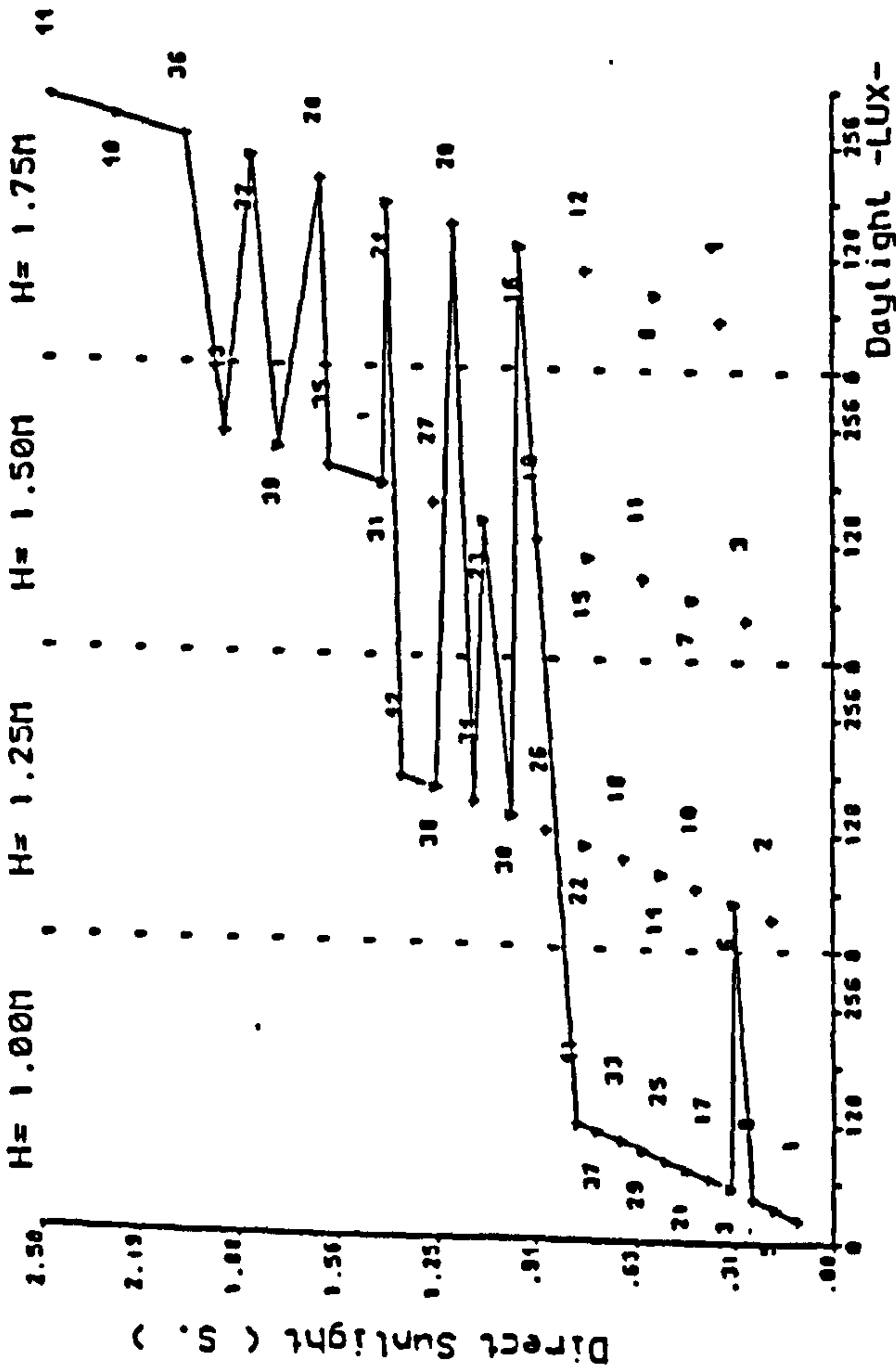
INTERHOUSE DISTANCE - 2.0 M -



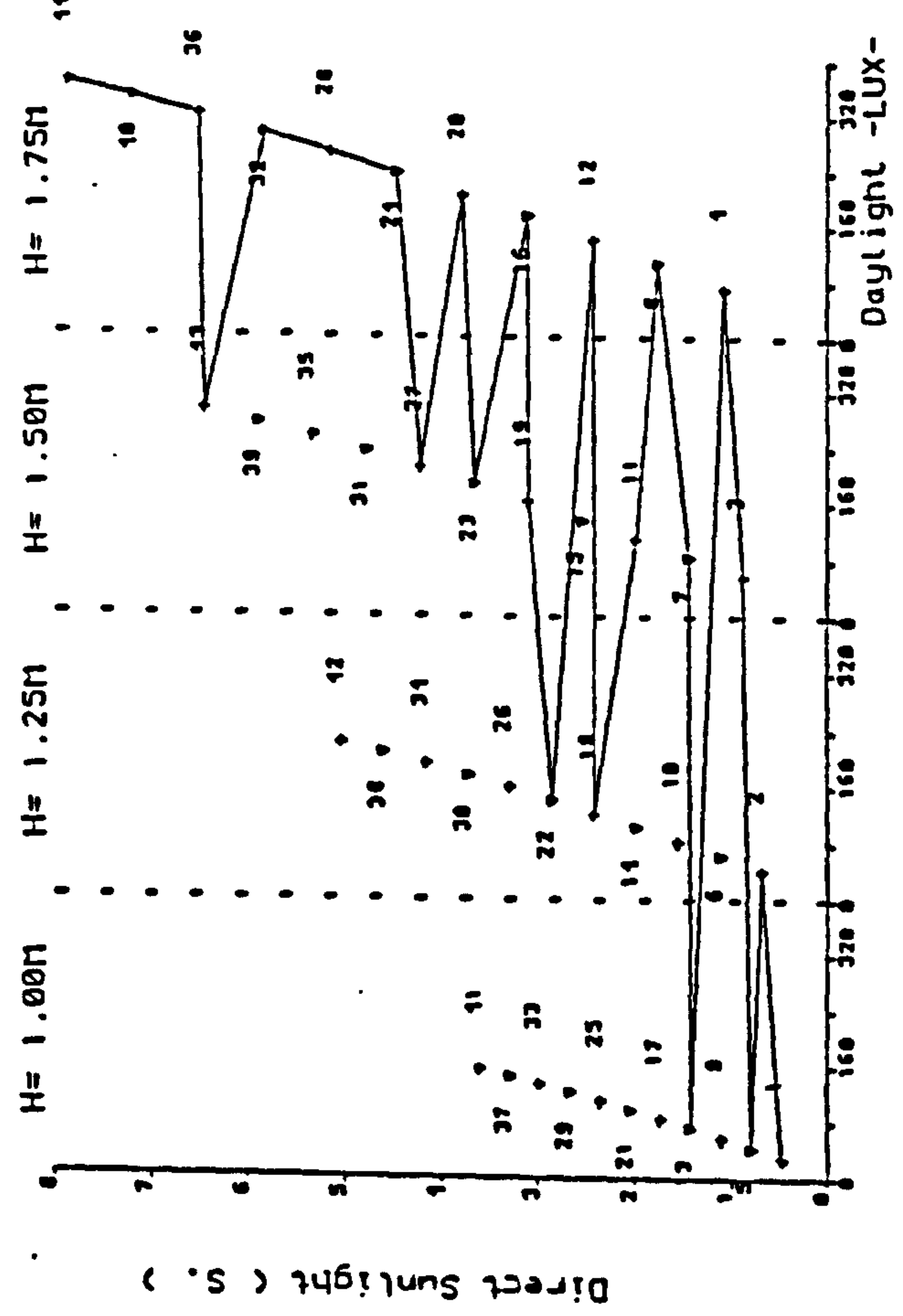
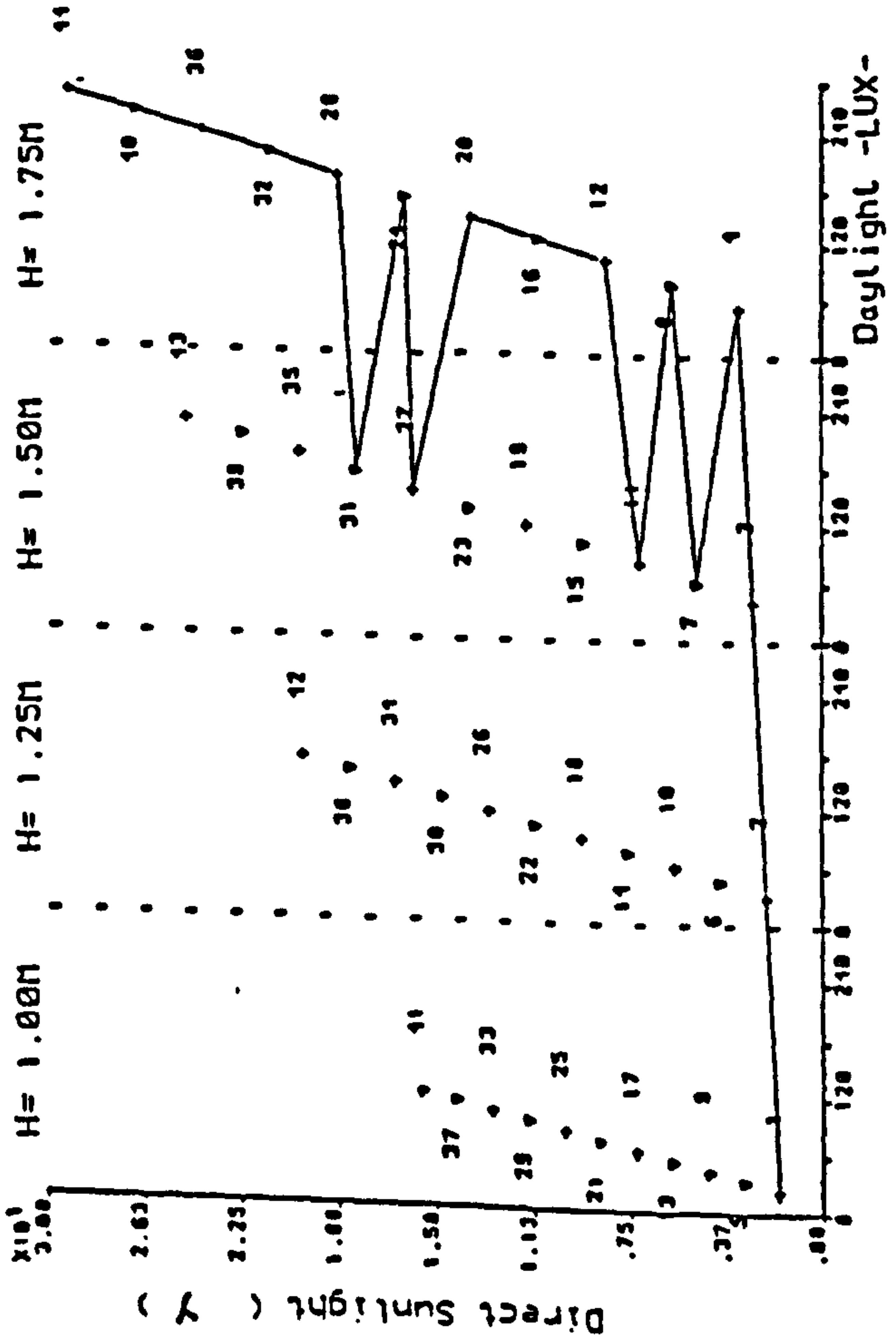
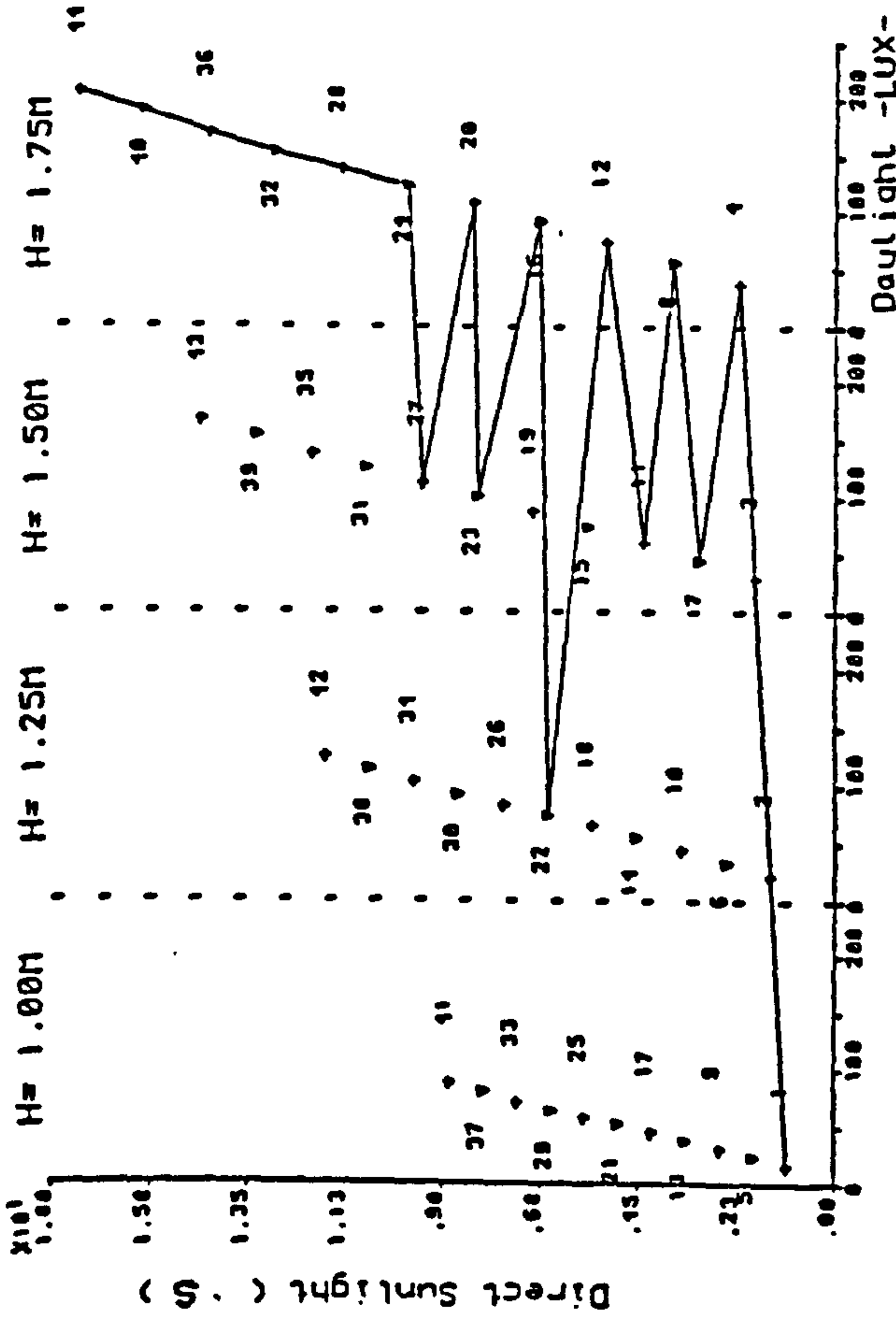
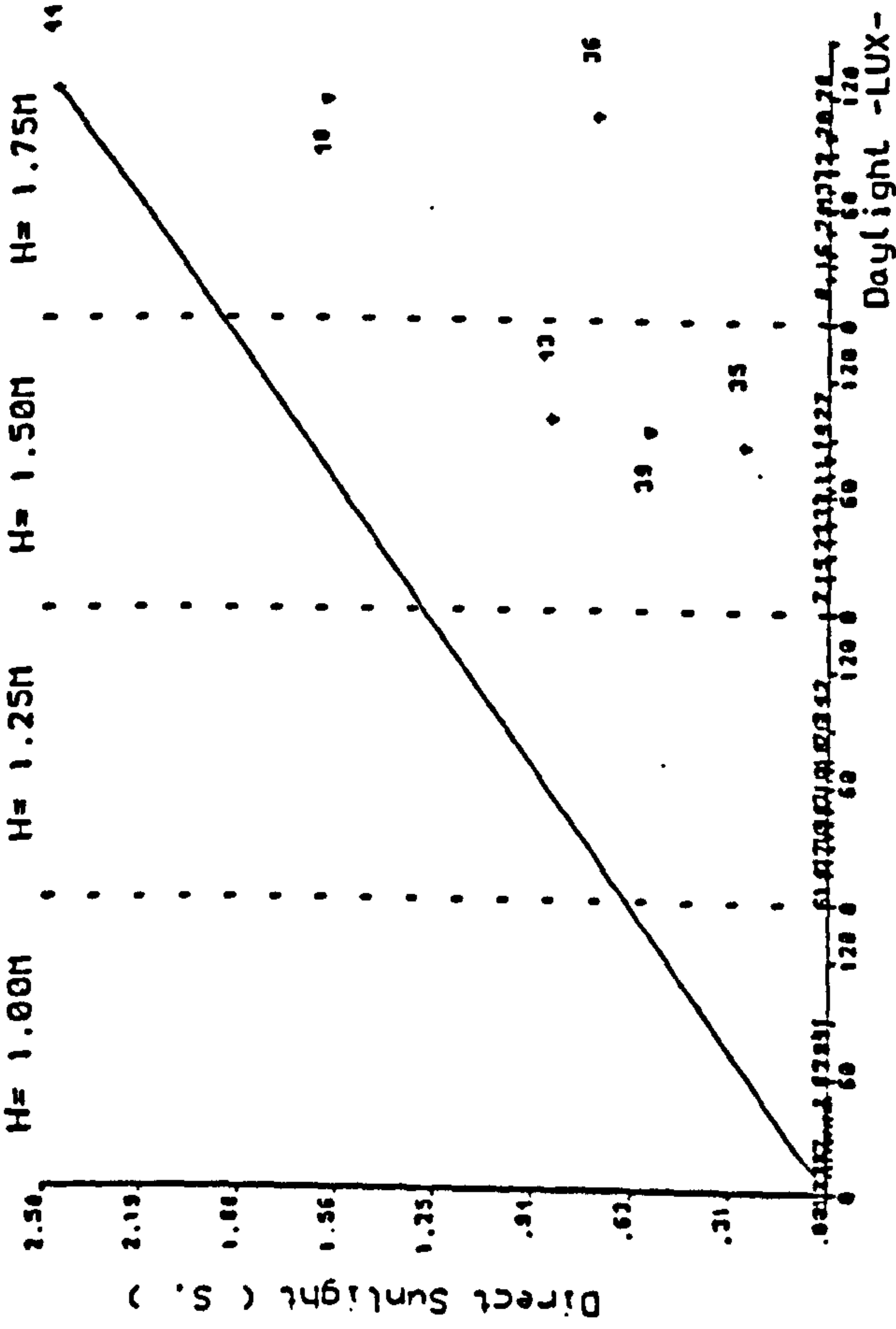
INTERHOUSE DISTANCE - 1.0 M -

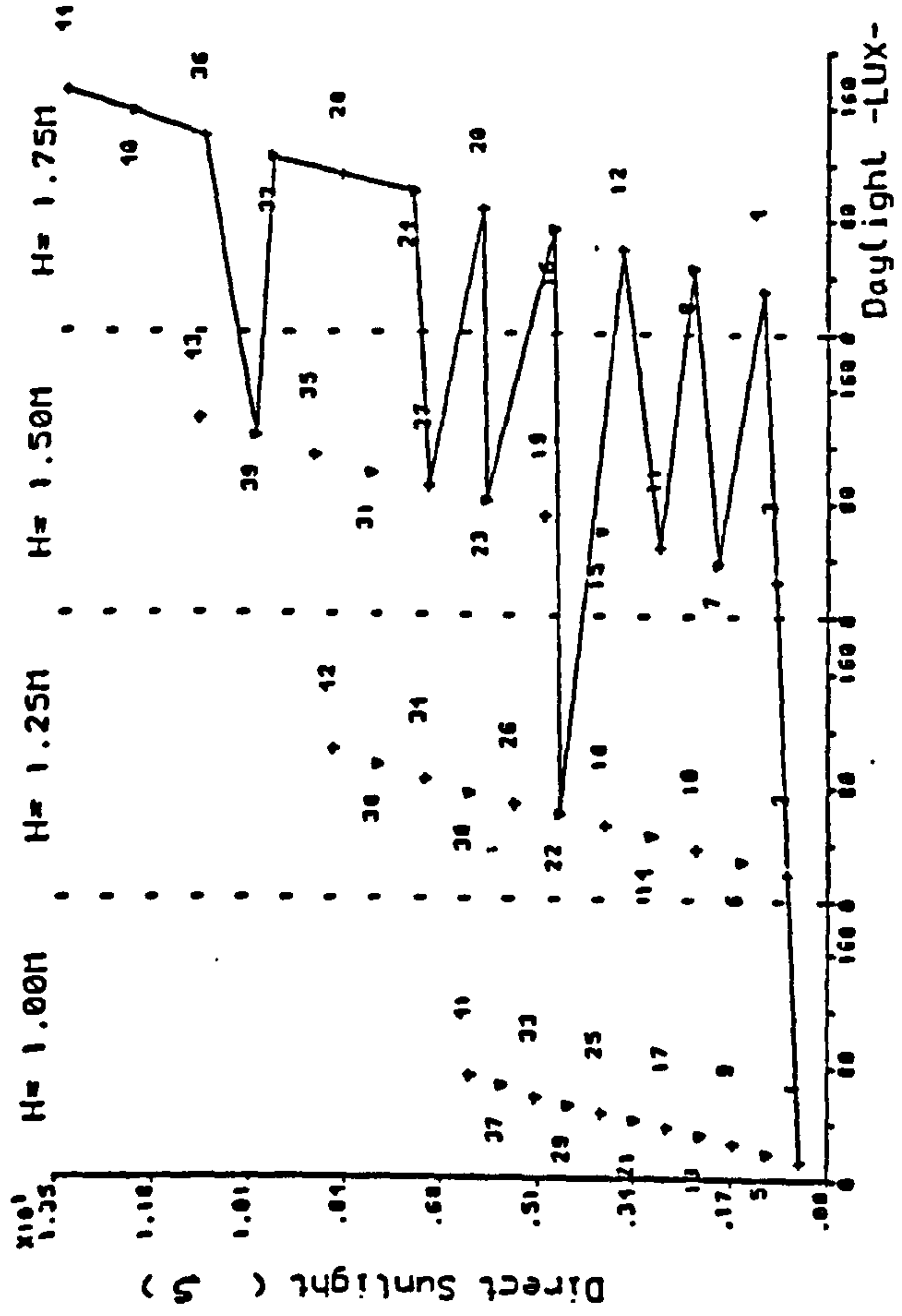


INTERHOUSE DISTANCE - 1.0 M -

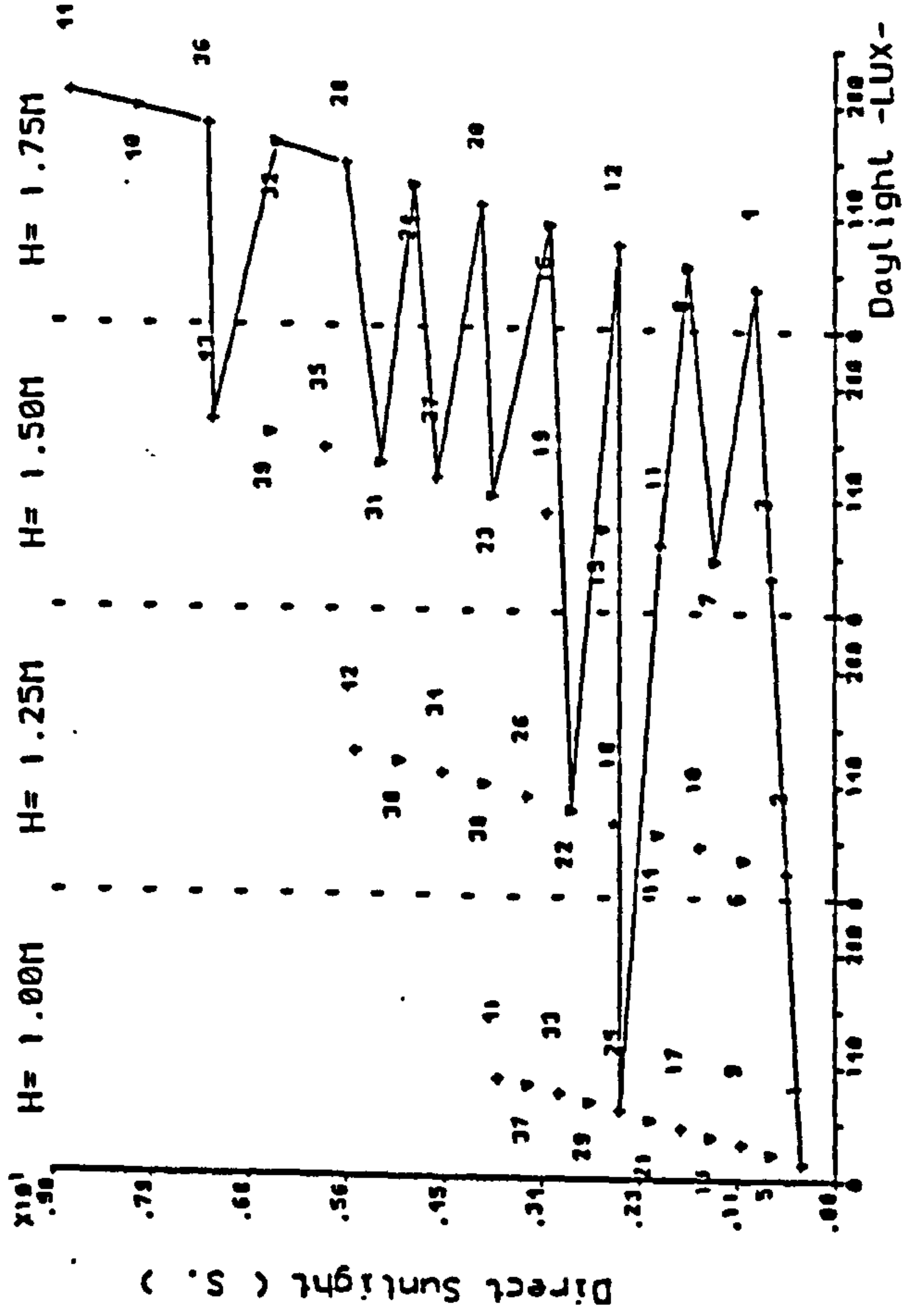


INTERHOUSE DISTANCE - 3.0 M -

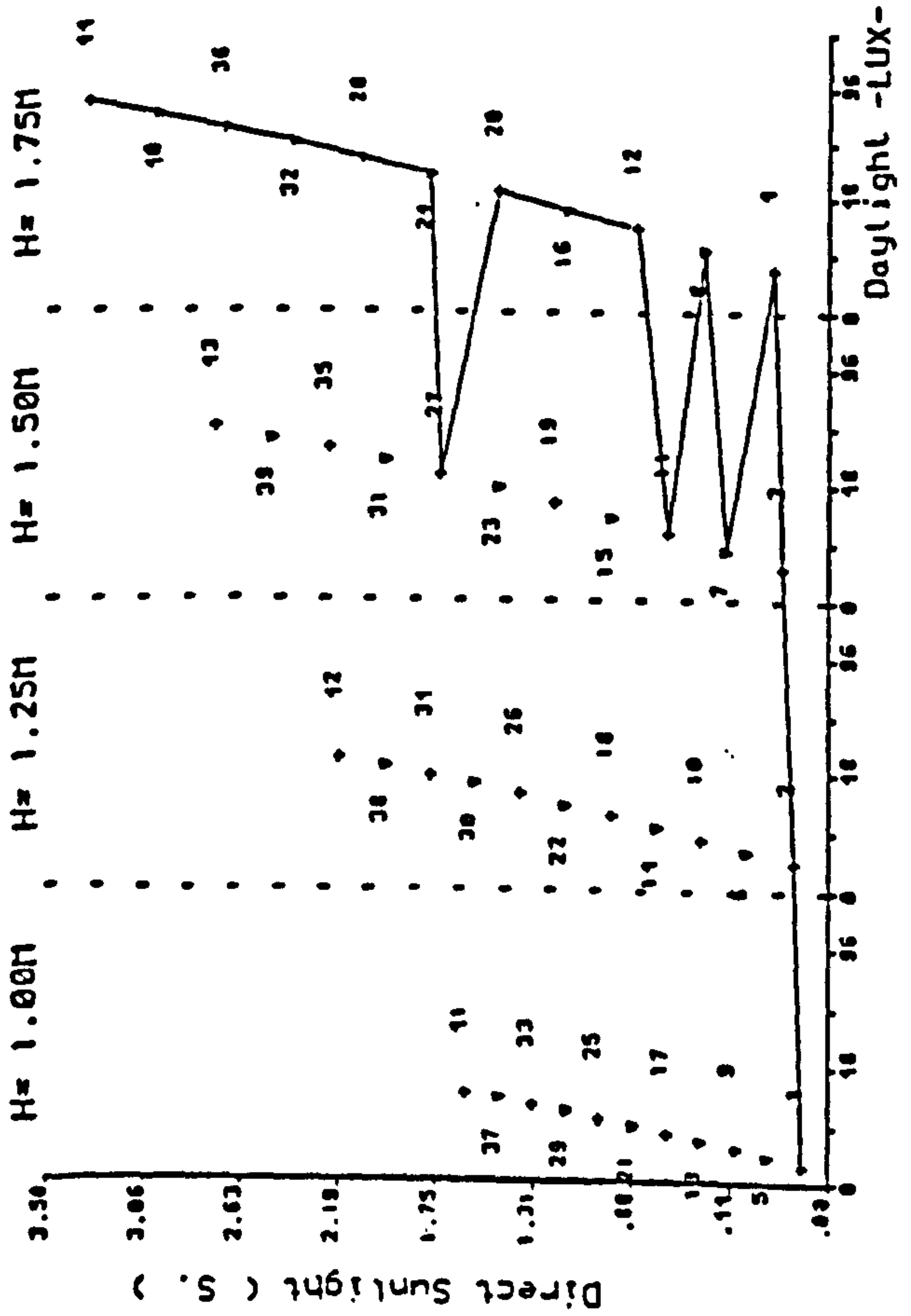




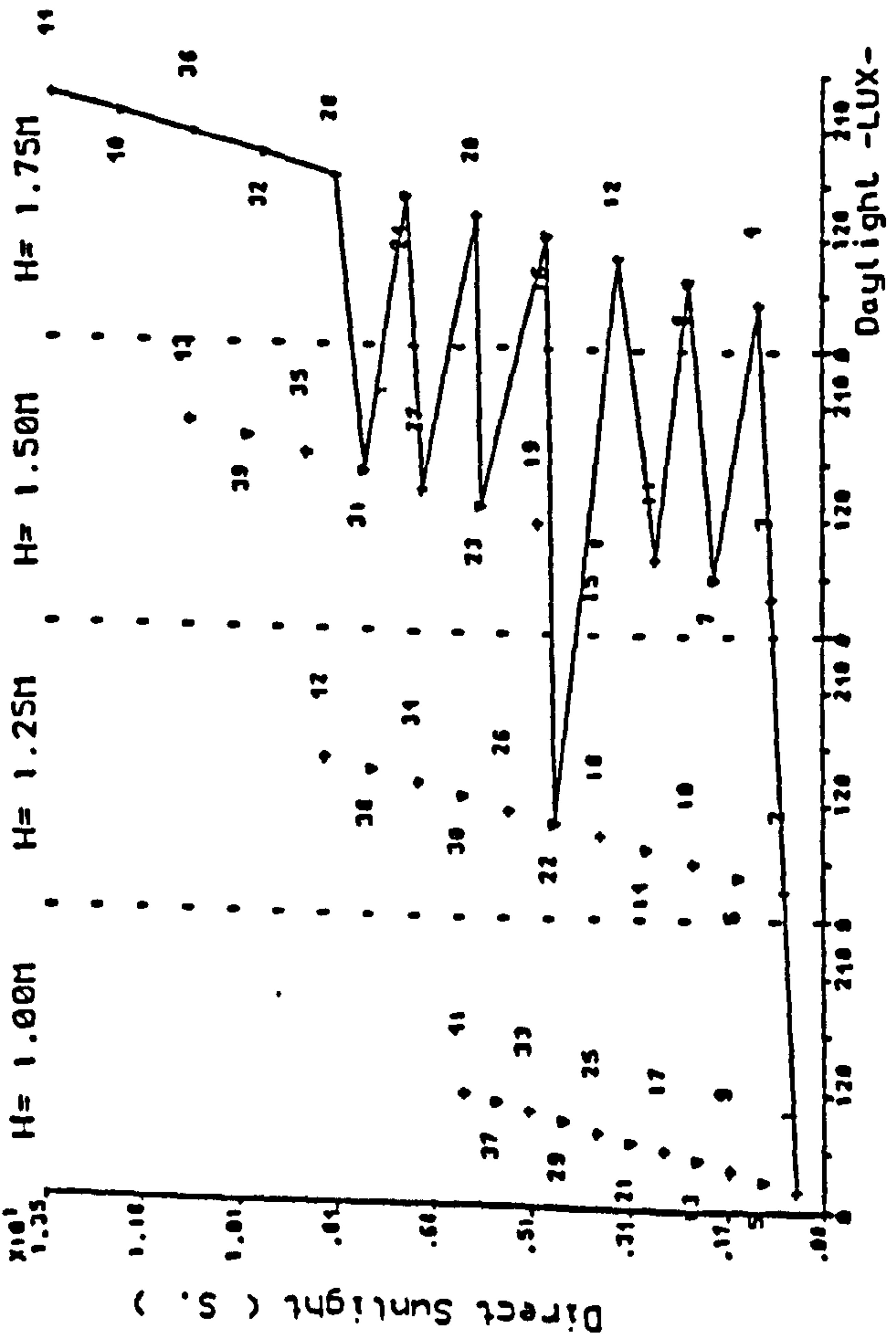
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -

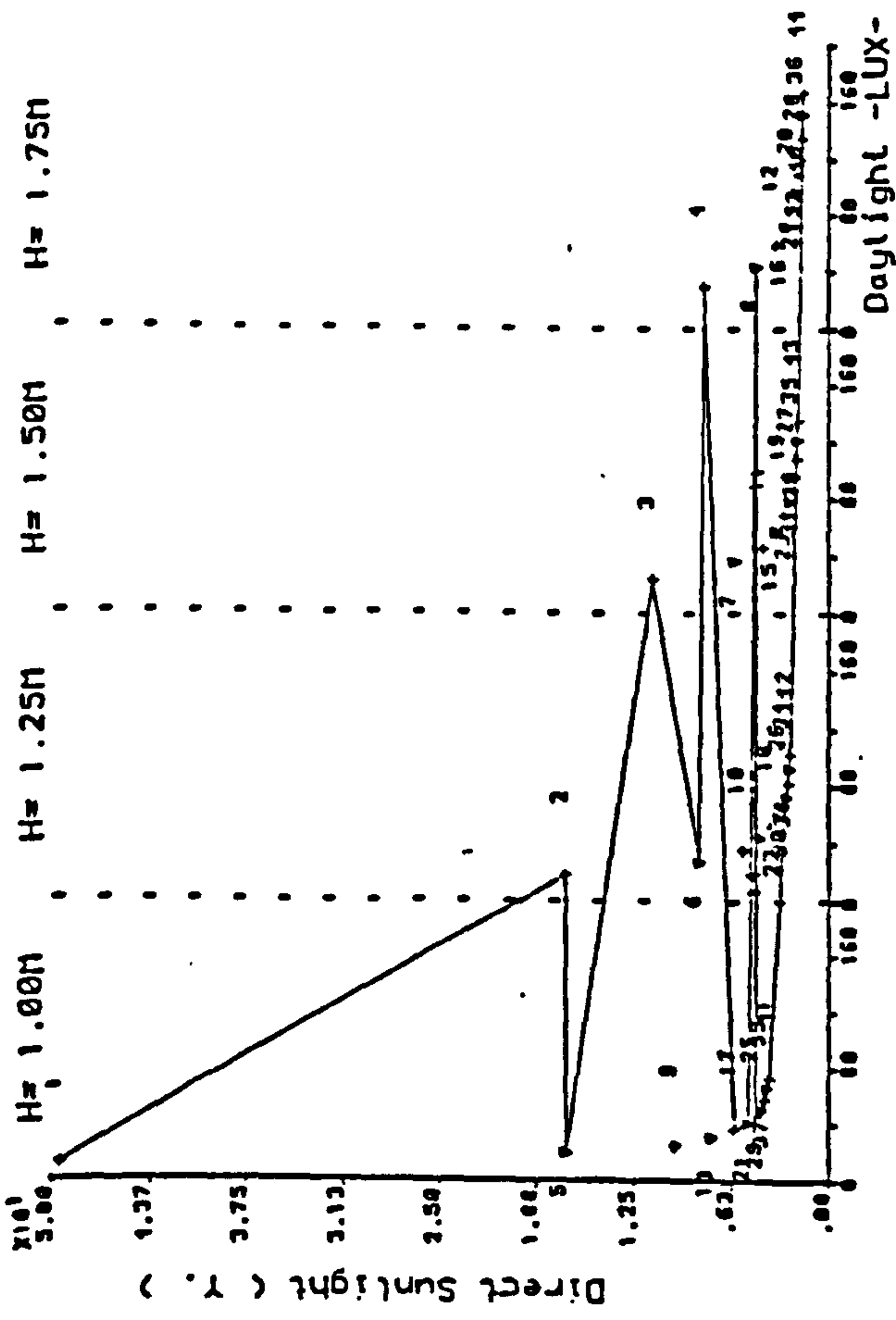


INTERHOUSE DISTANCE - 1.0 M -

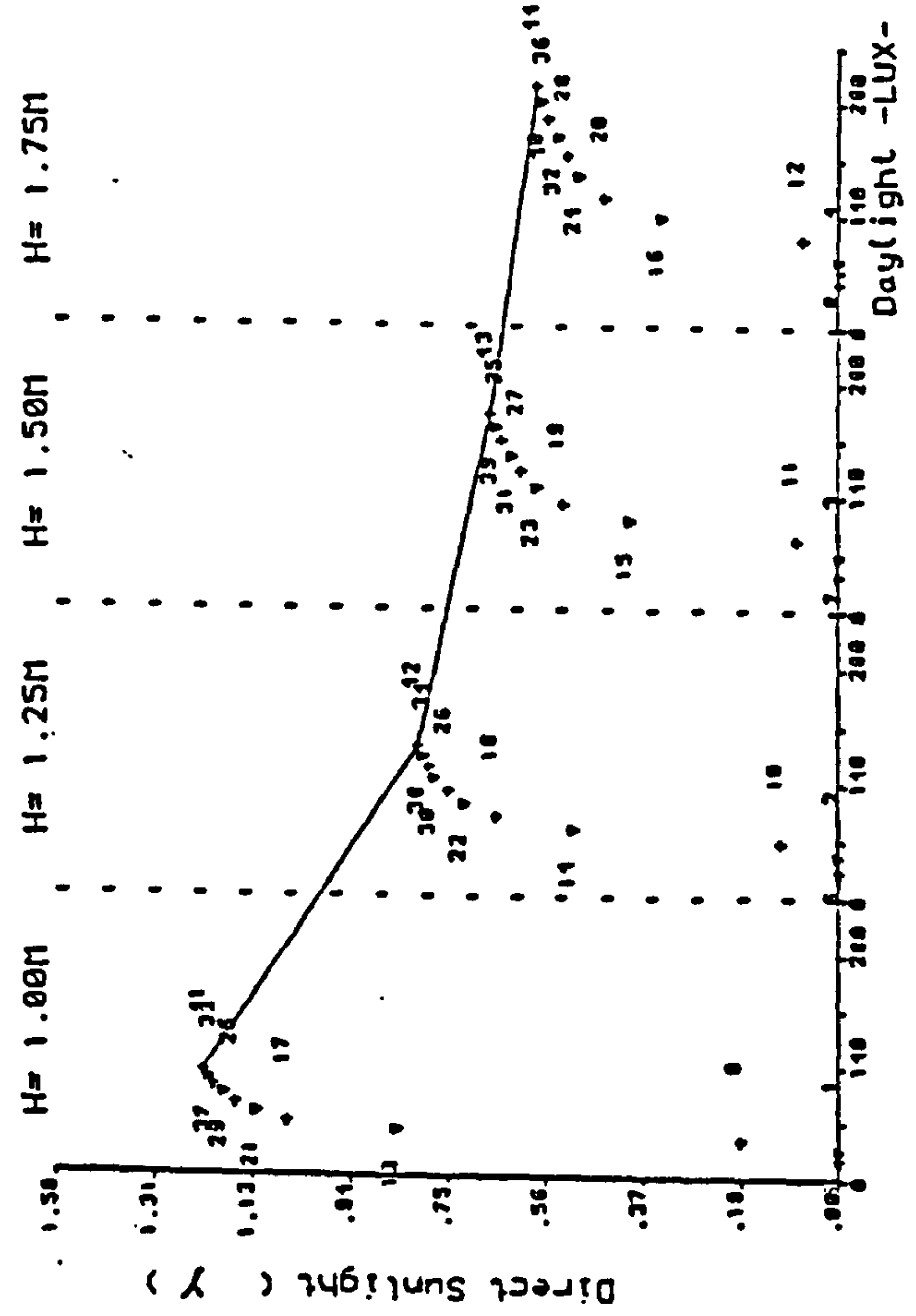


INTERHOUSE DISTANCE - 3.0 M -

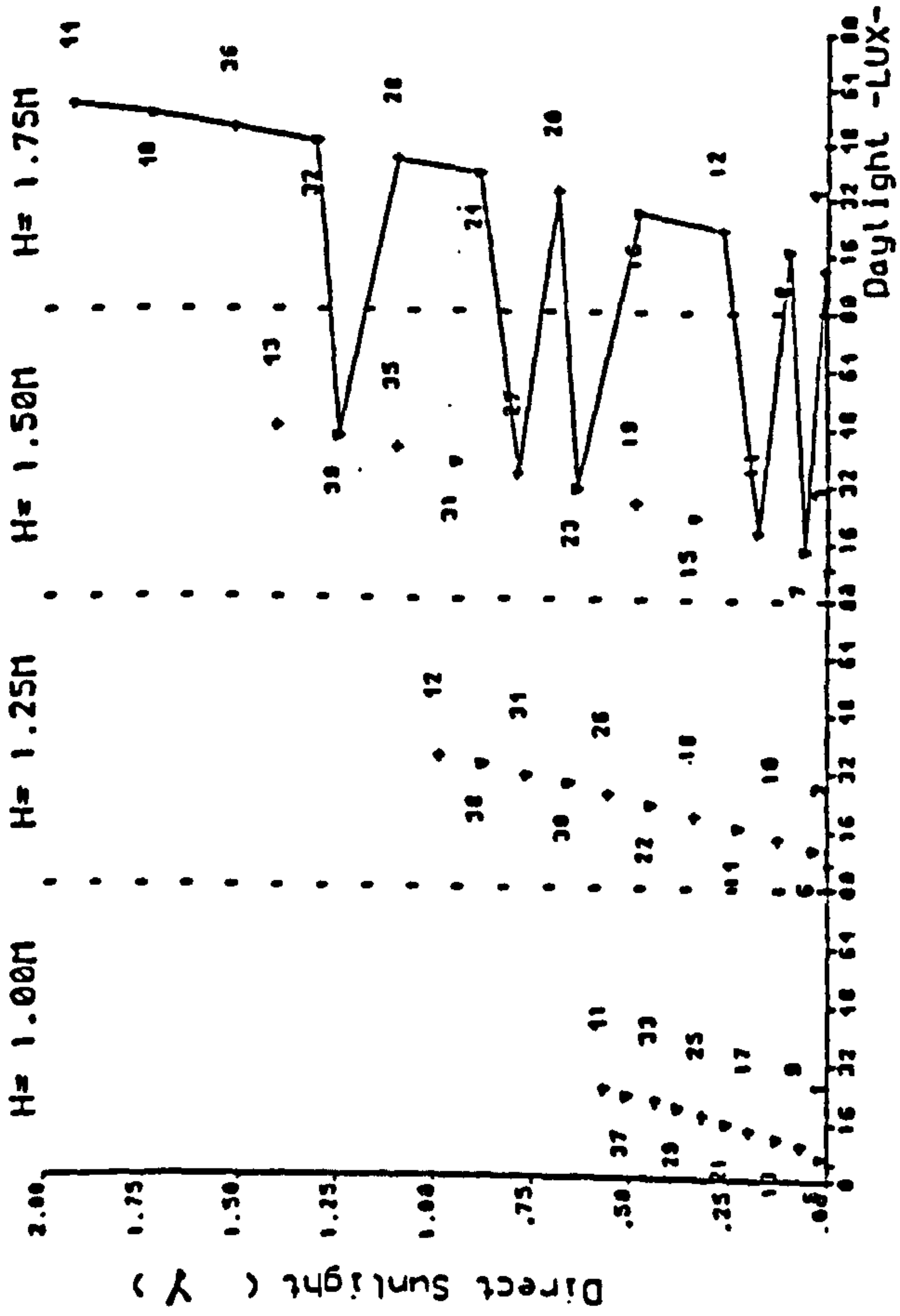




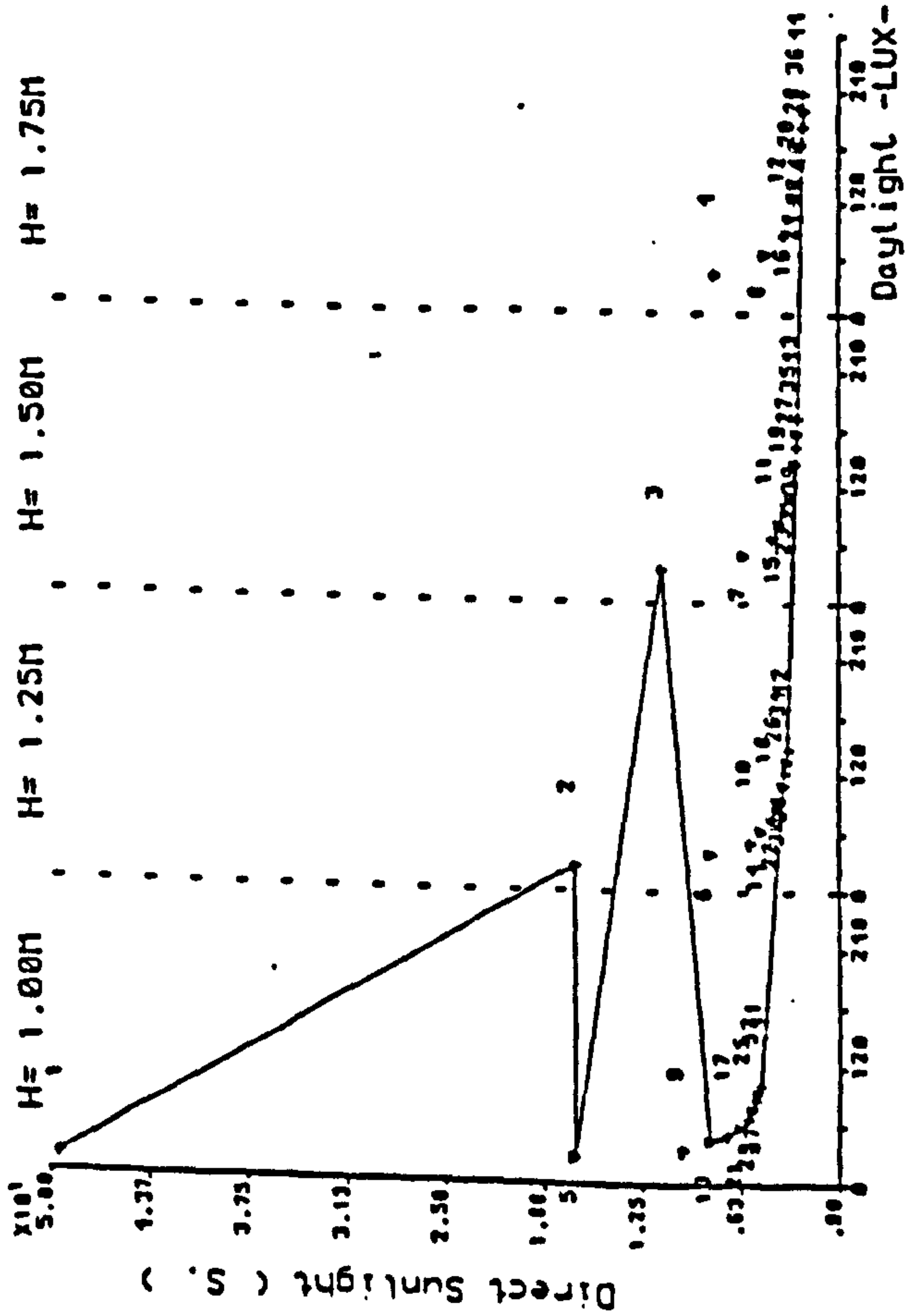
INTERHOUSE DISTANCE - 2.0 M -



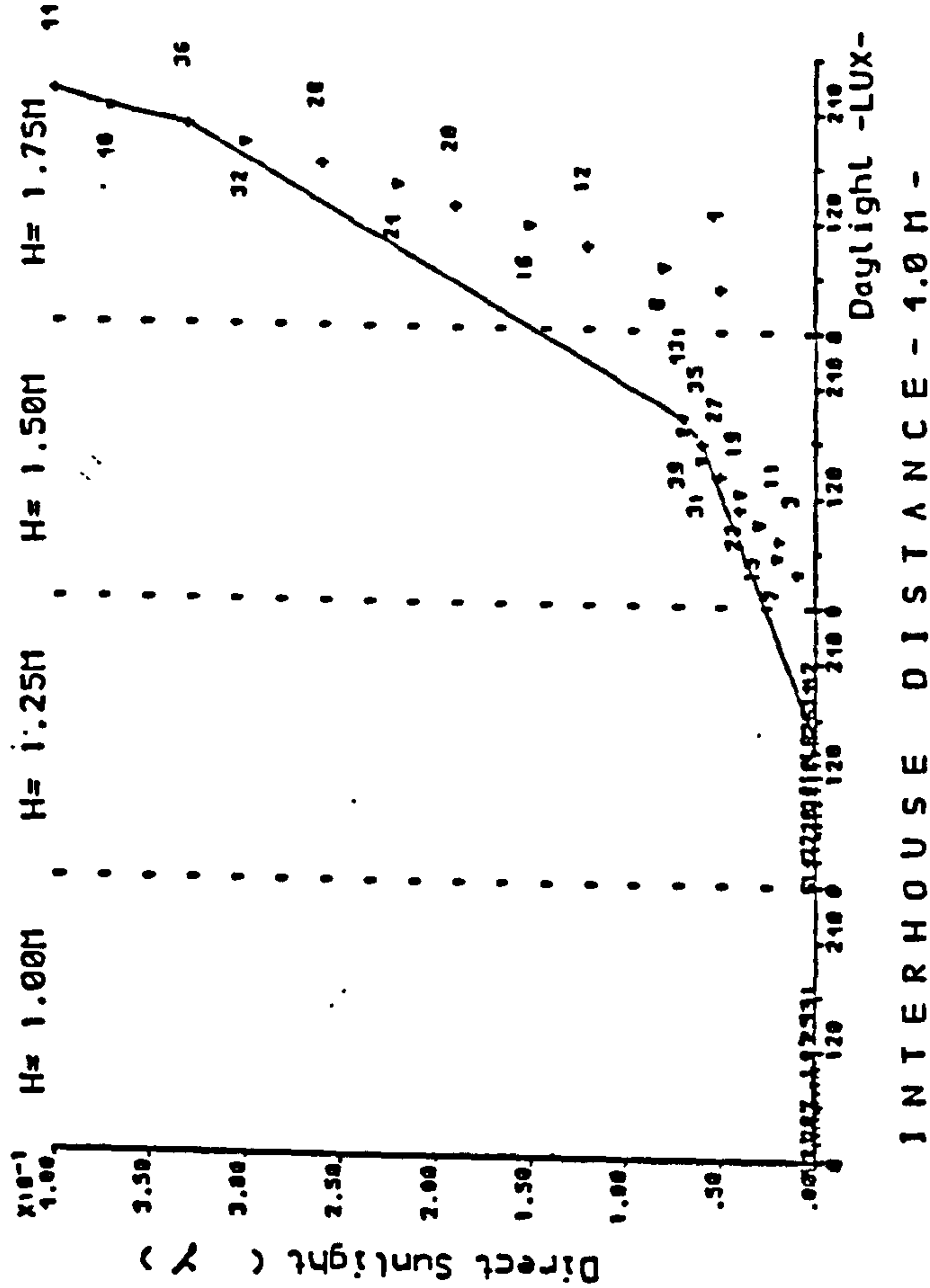
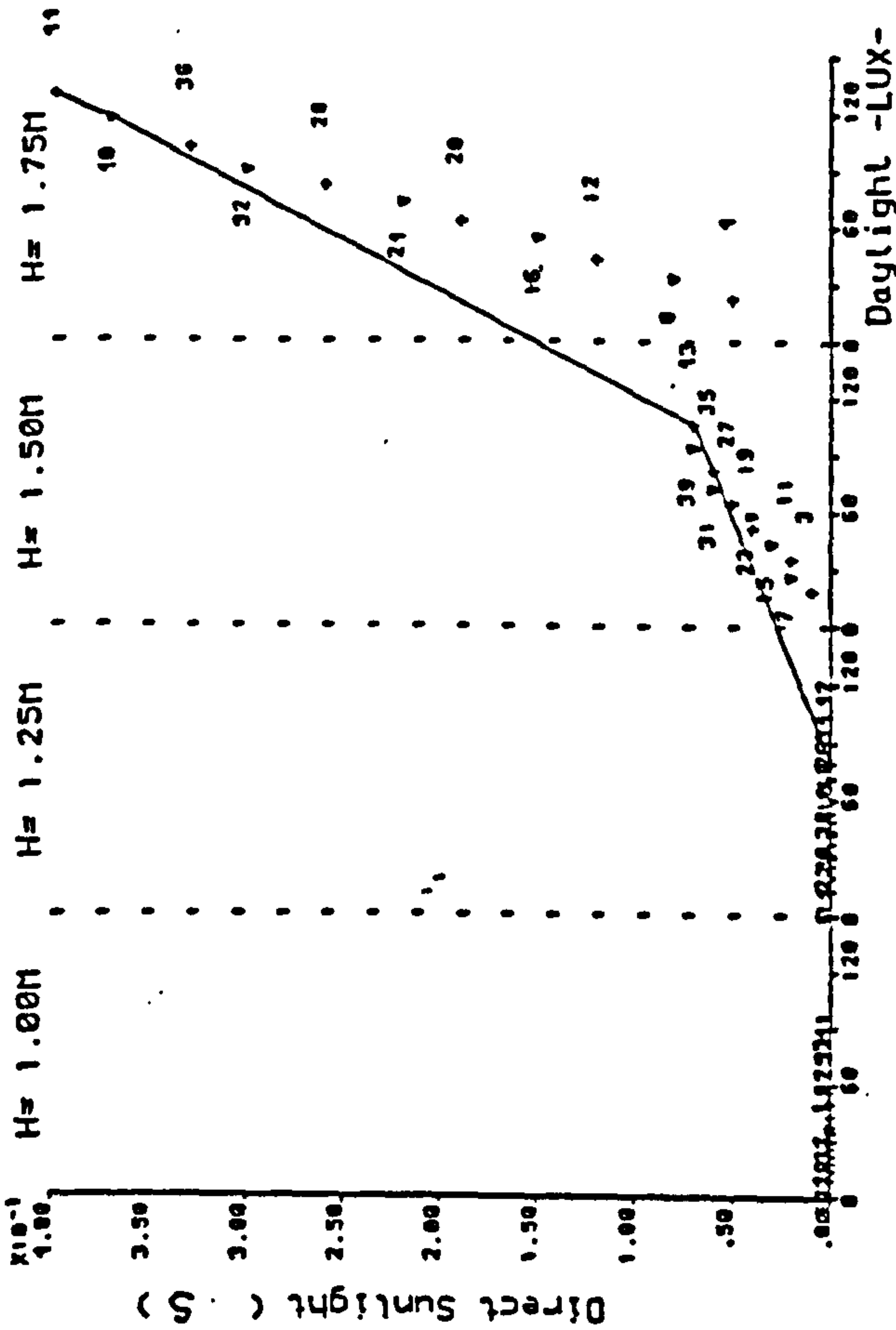
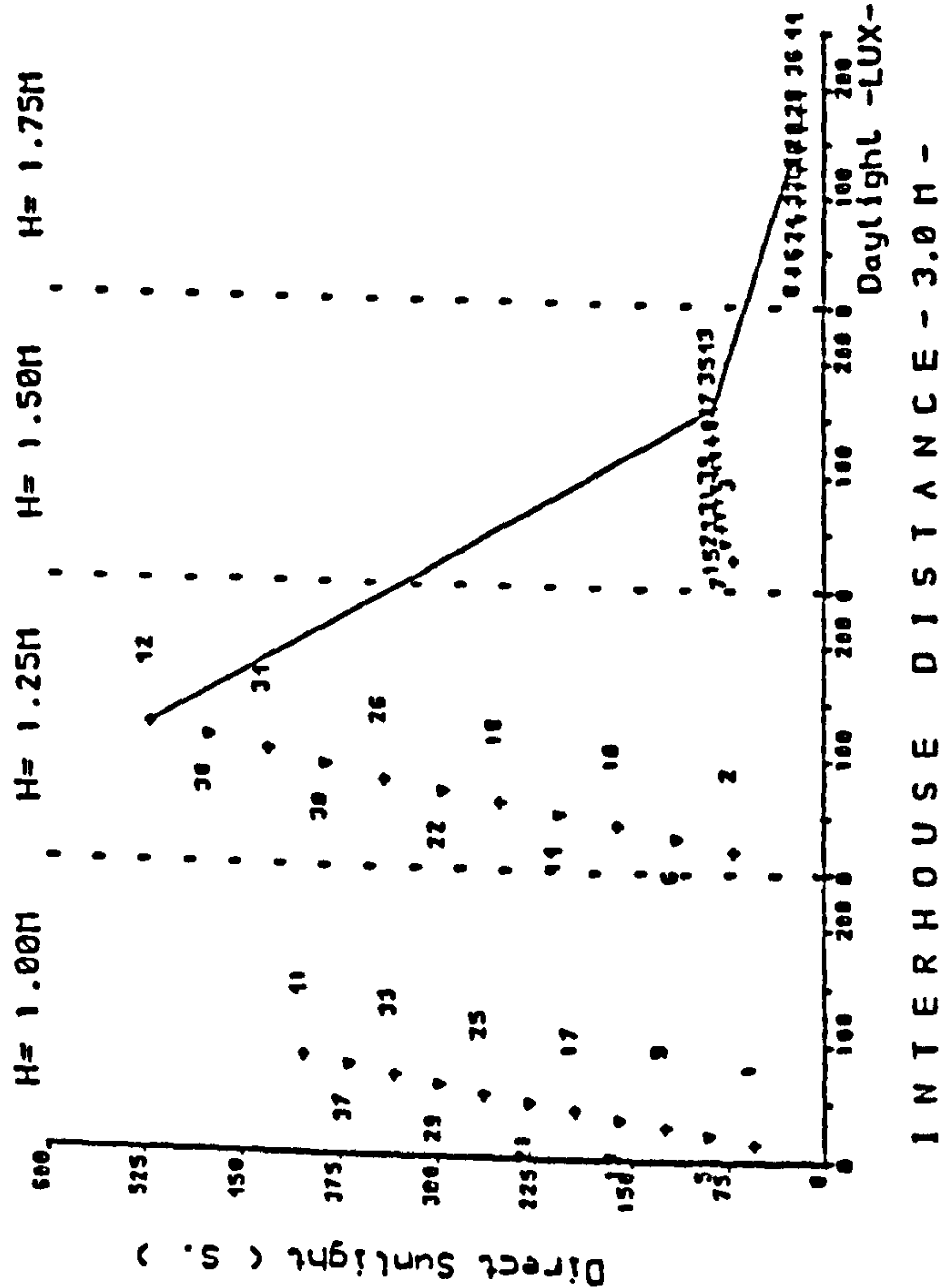
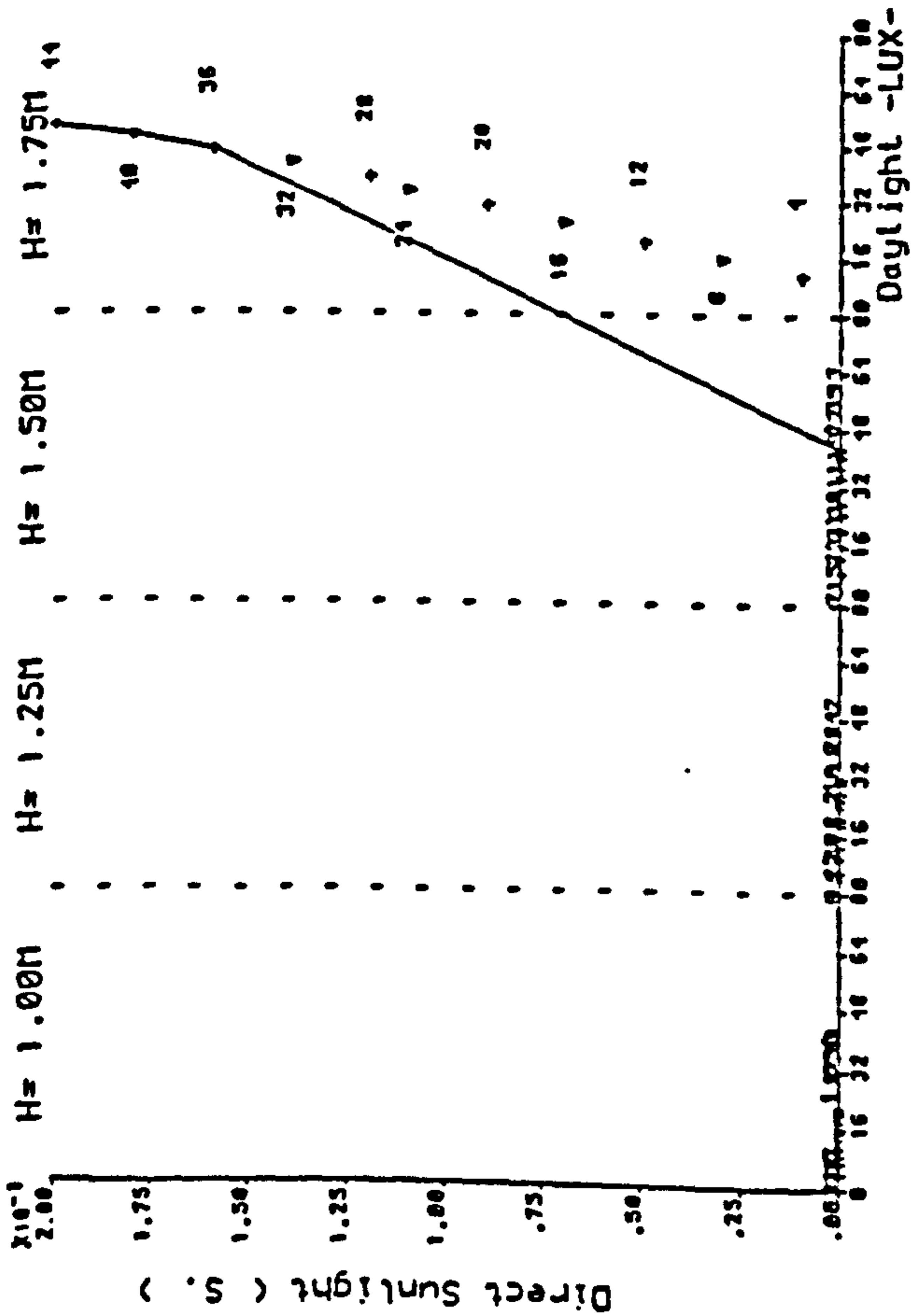
INTERHOUSE DISTANCE - 1.0 M -

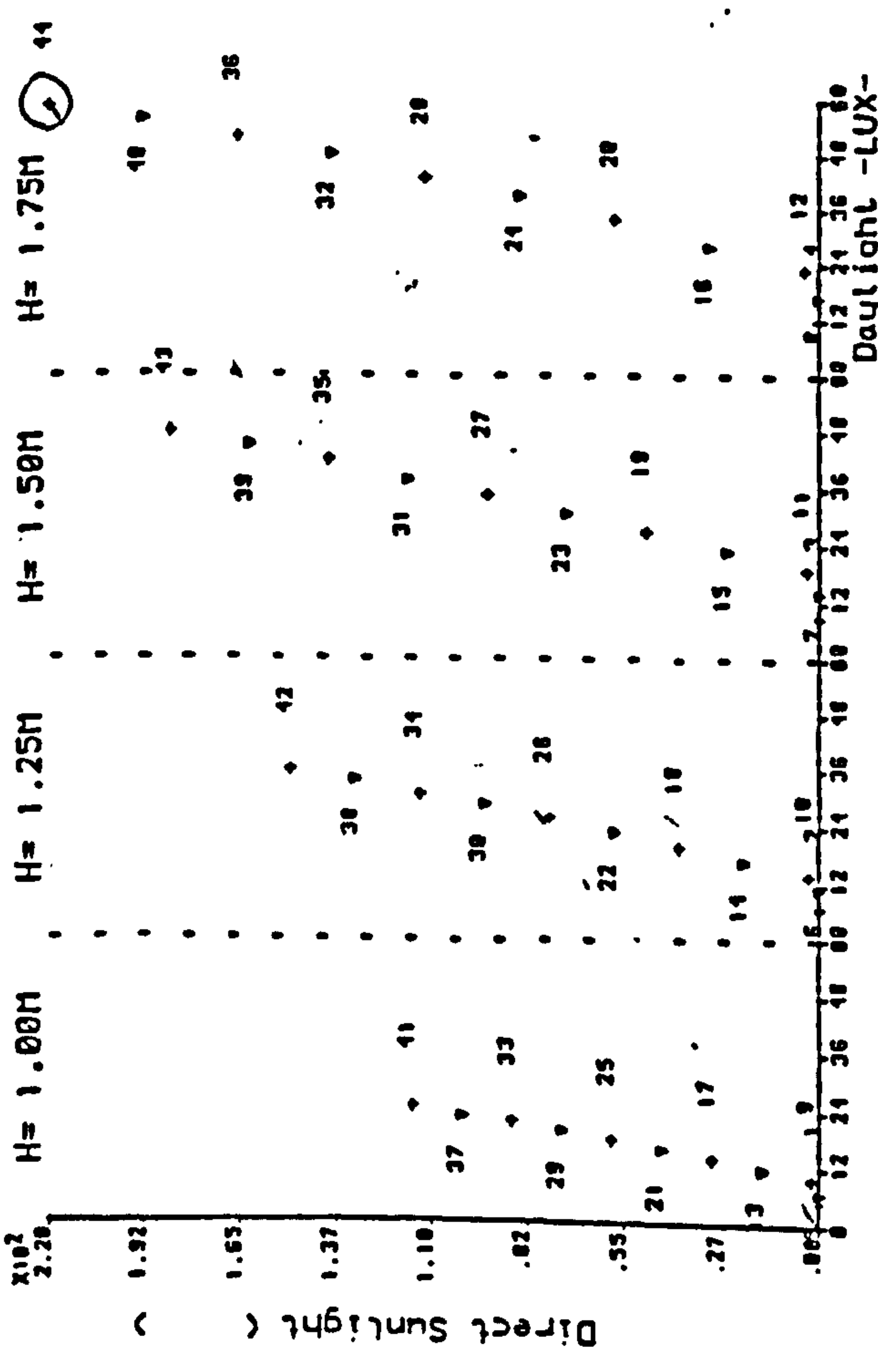


INTERHOUSE DISTANCE - 1.0 M -

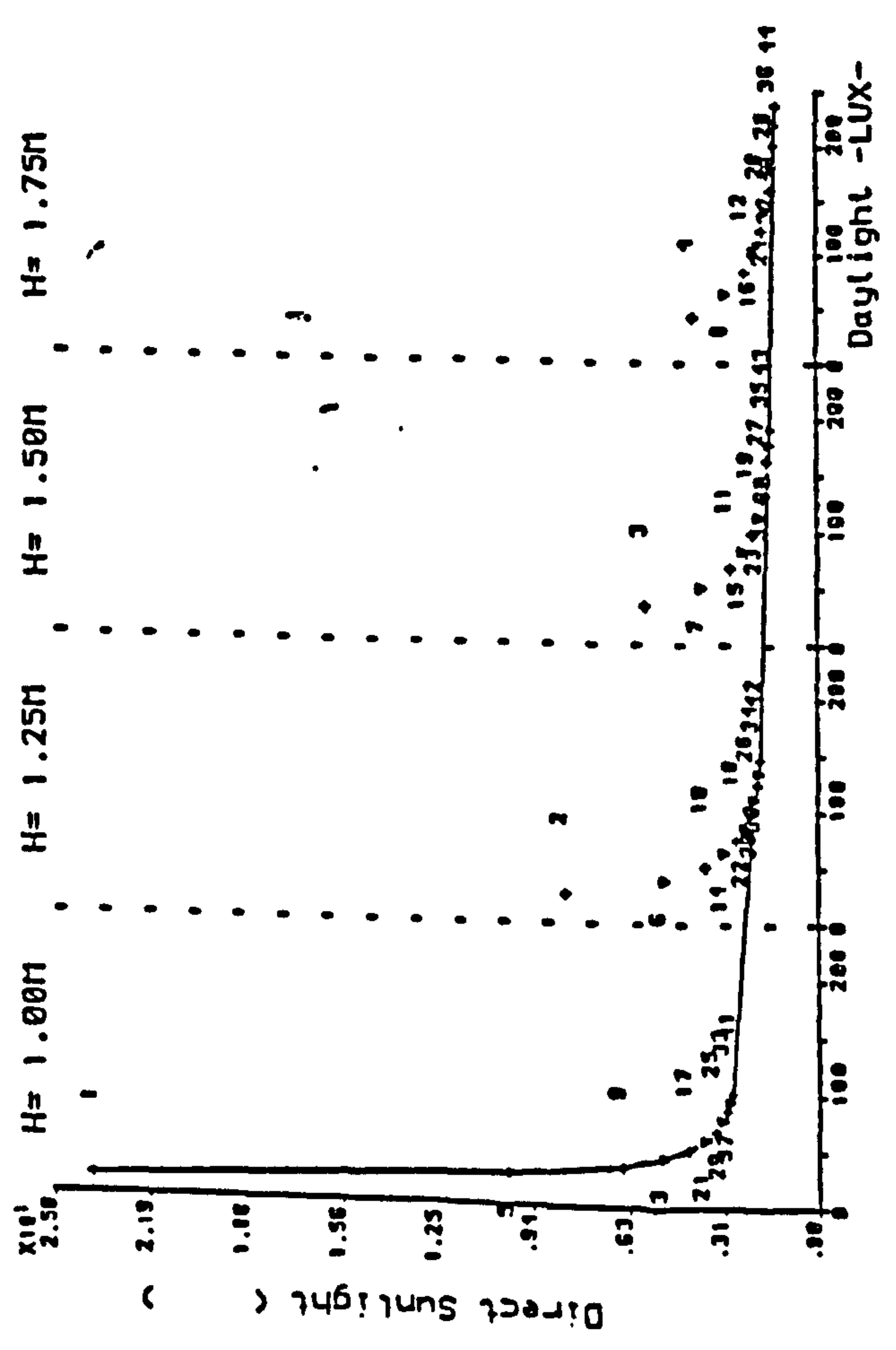


INTERHOUSE DISTANCE - 3.0 M -

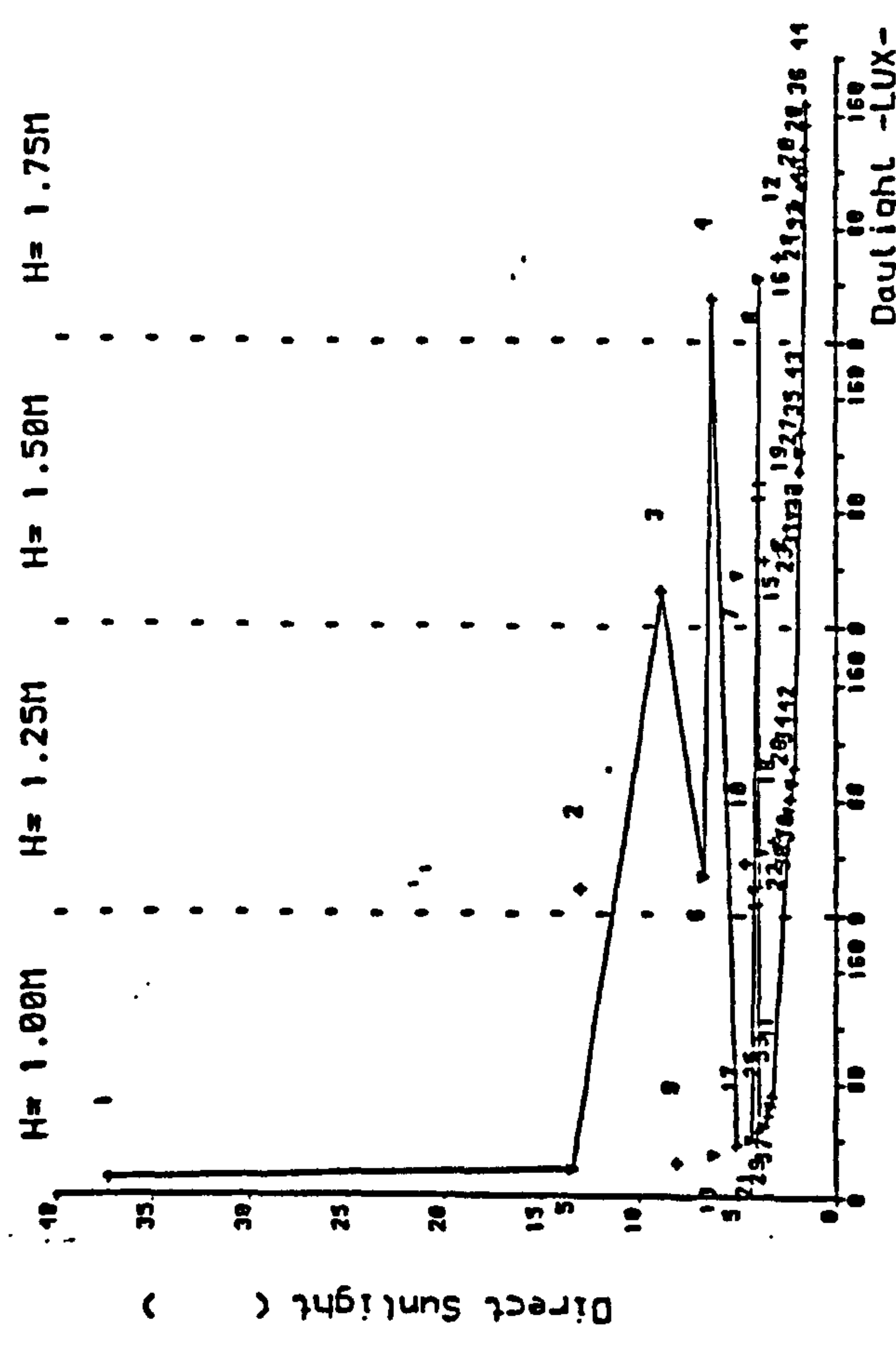




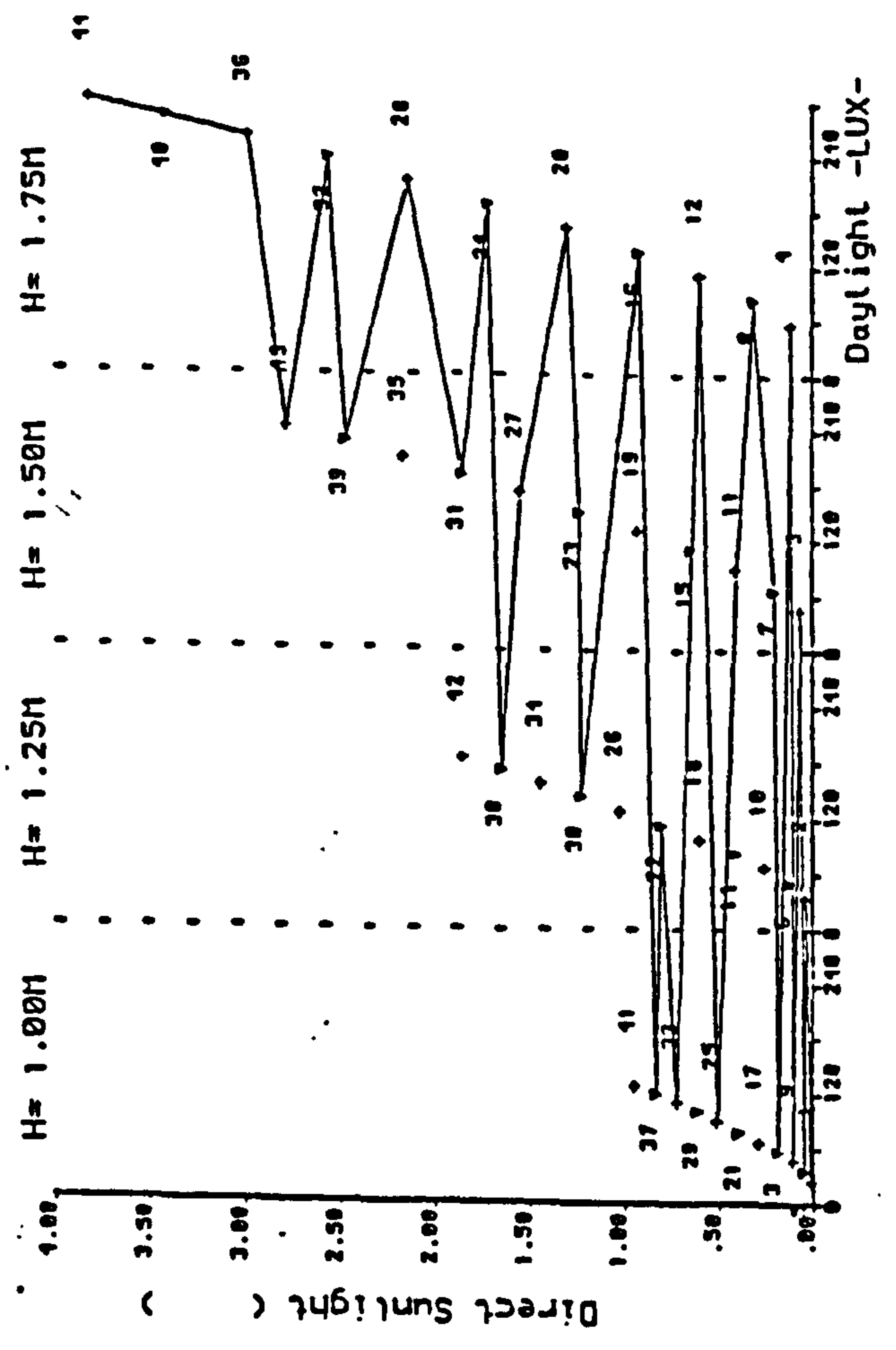
INTERHOUSE DISTANCE (1) . -



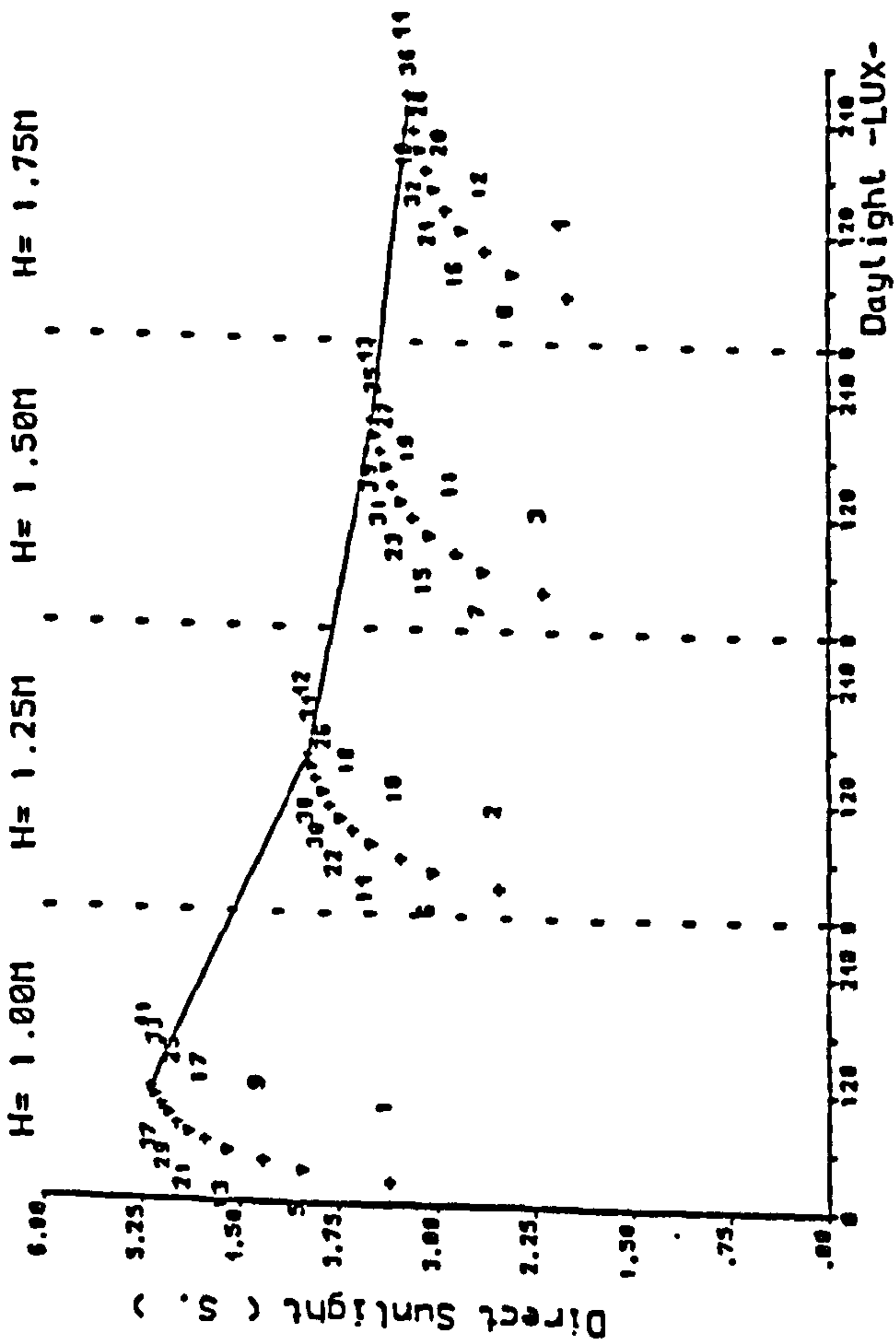
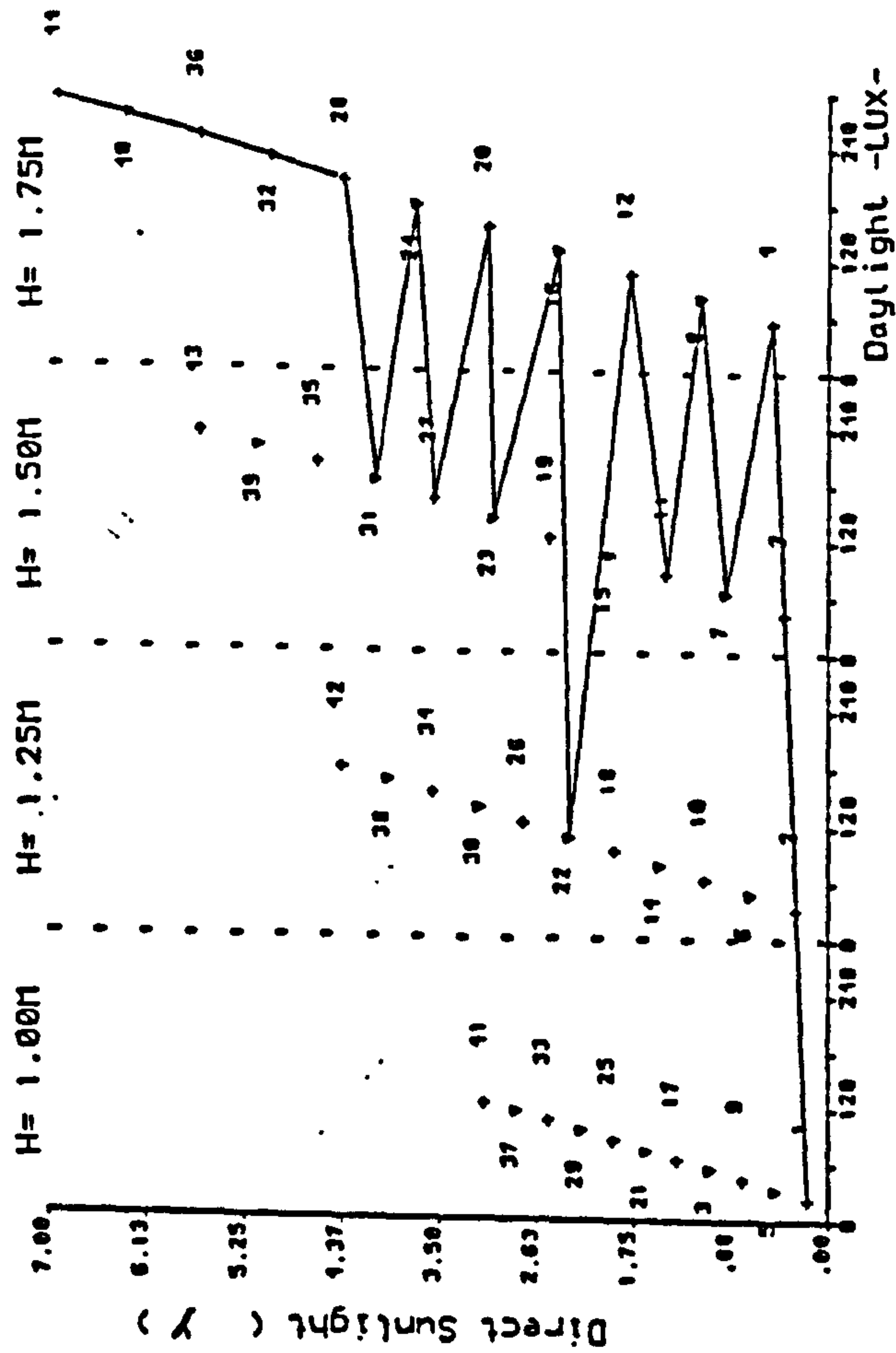
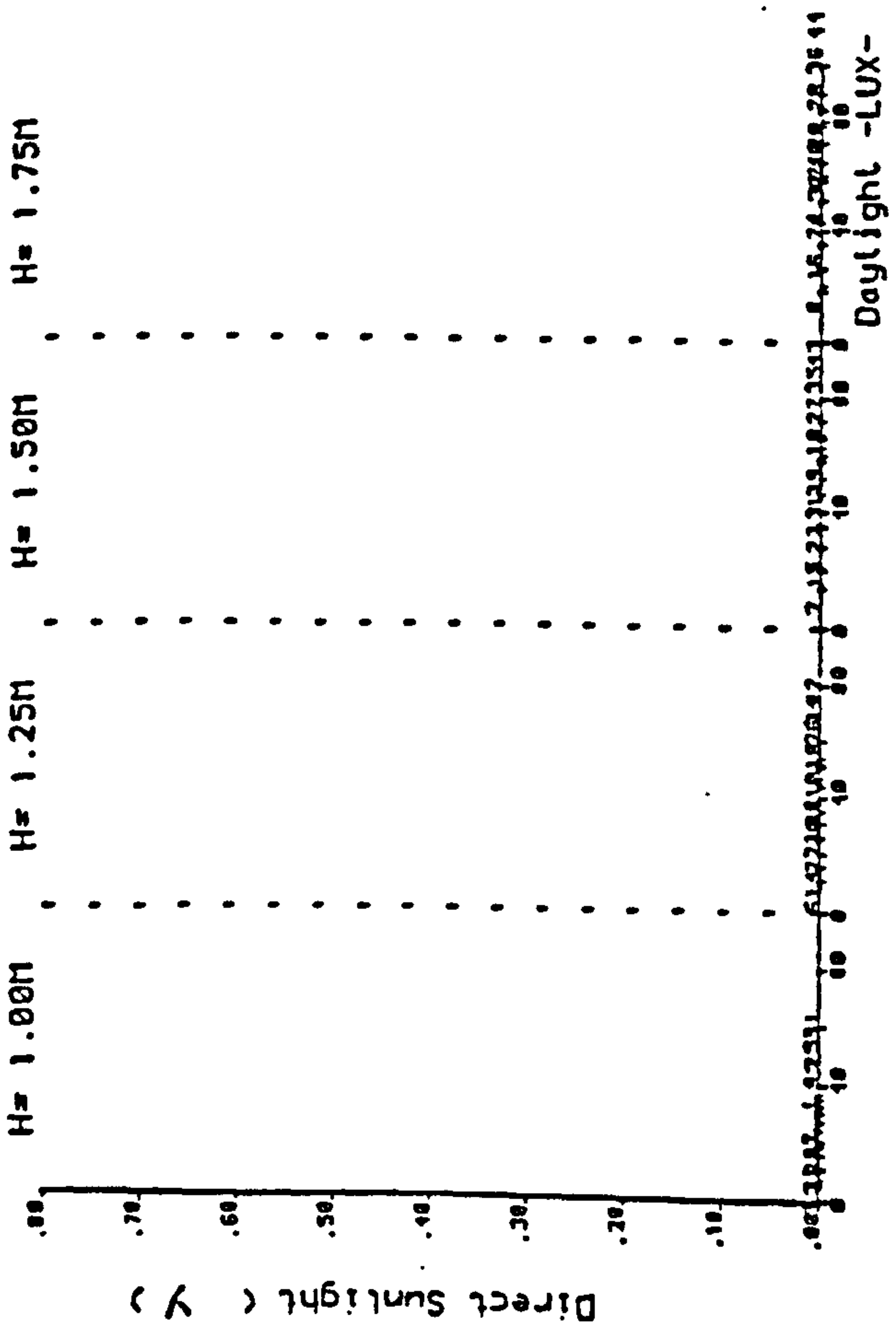
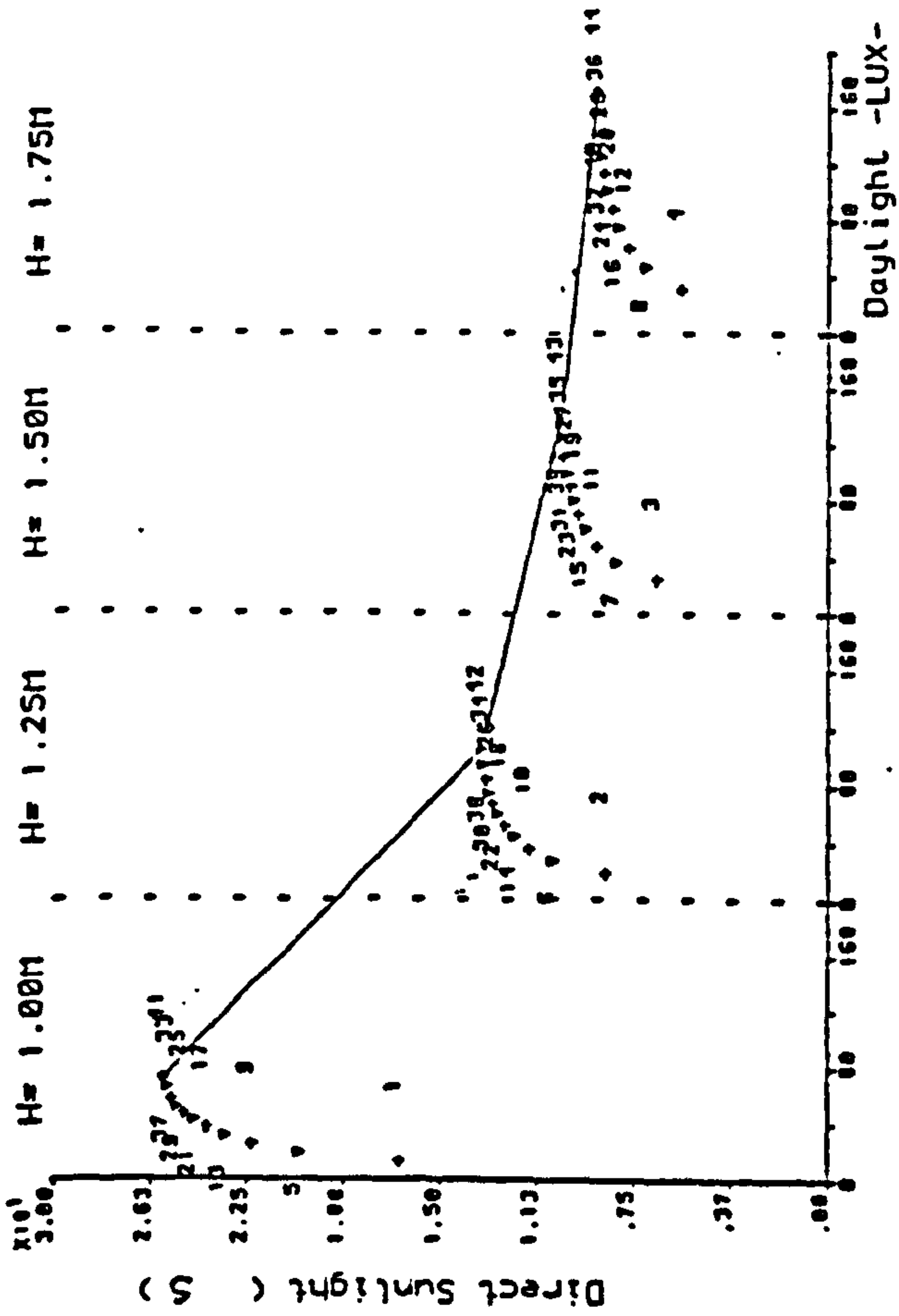
INTERHOUSE DISTANCE 3



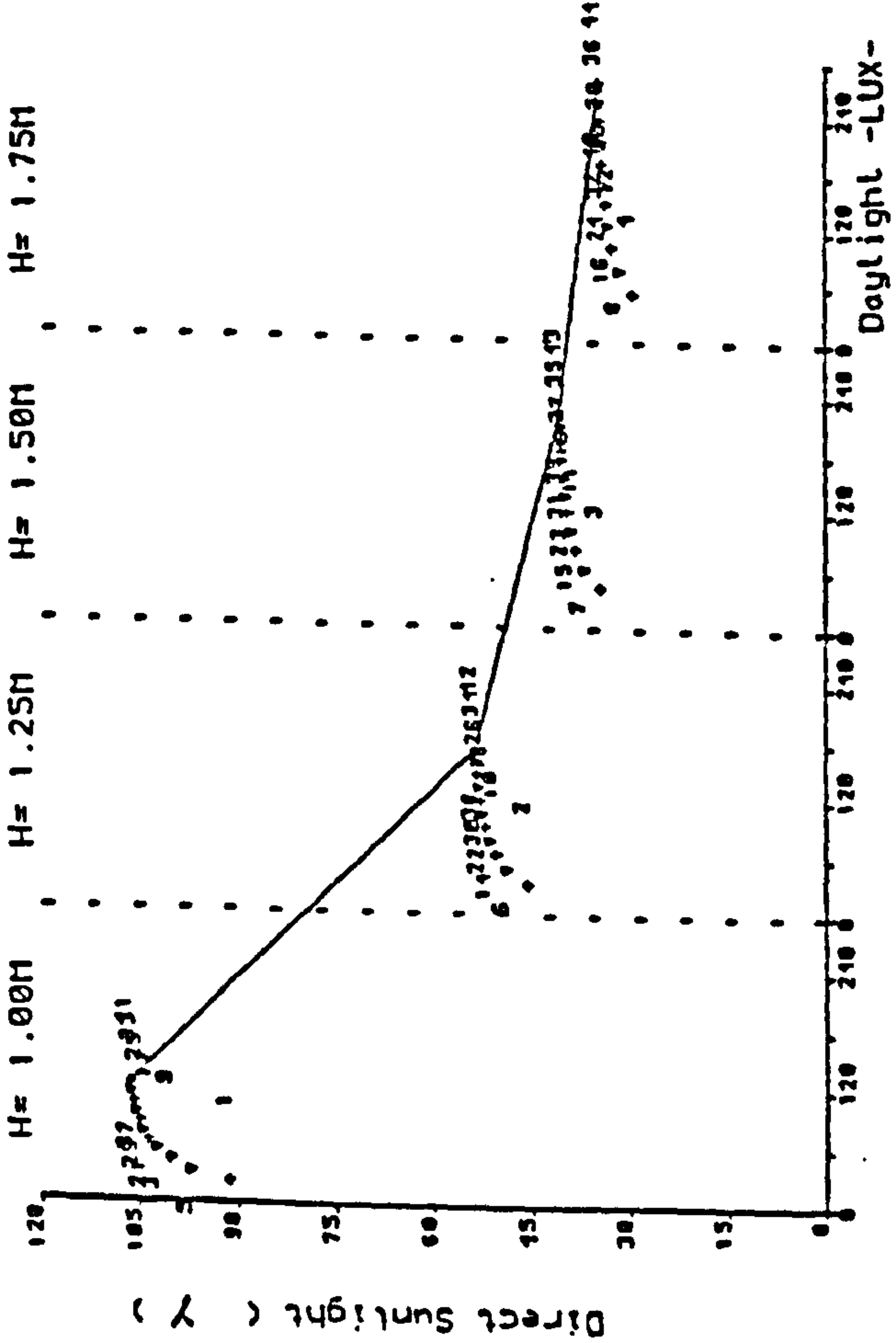
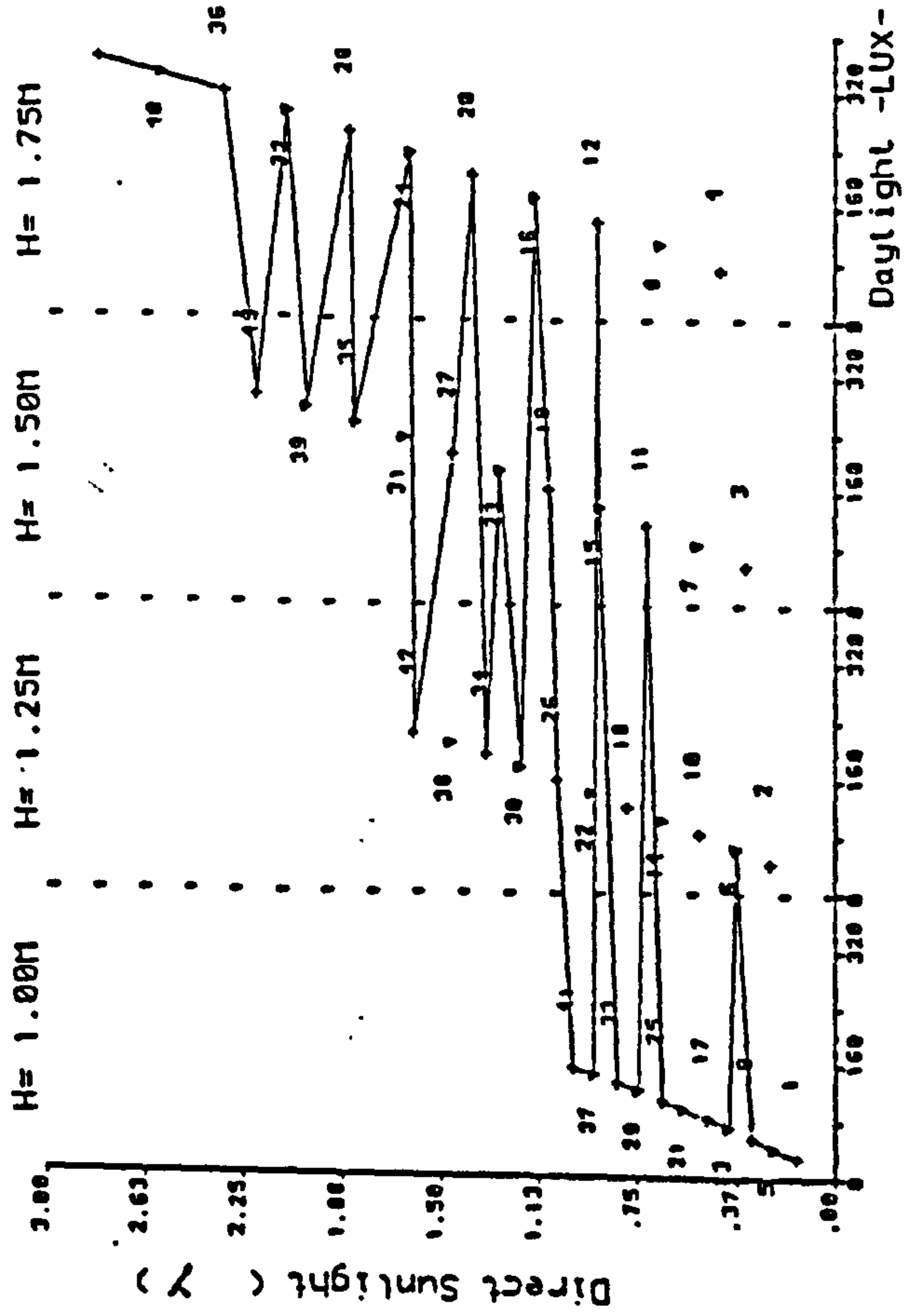
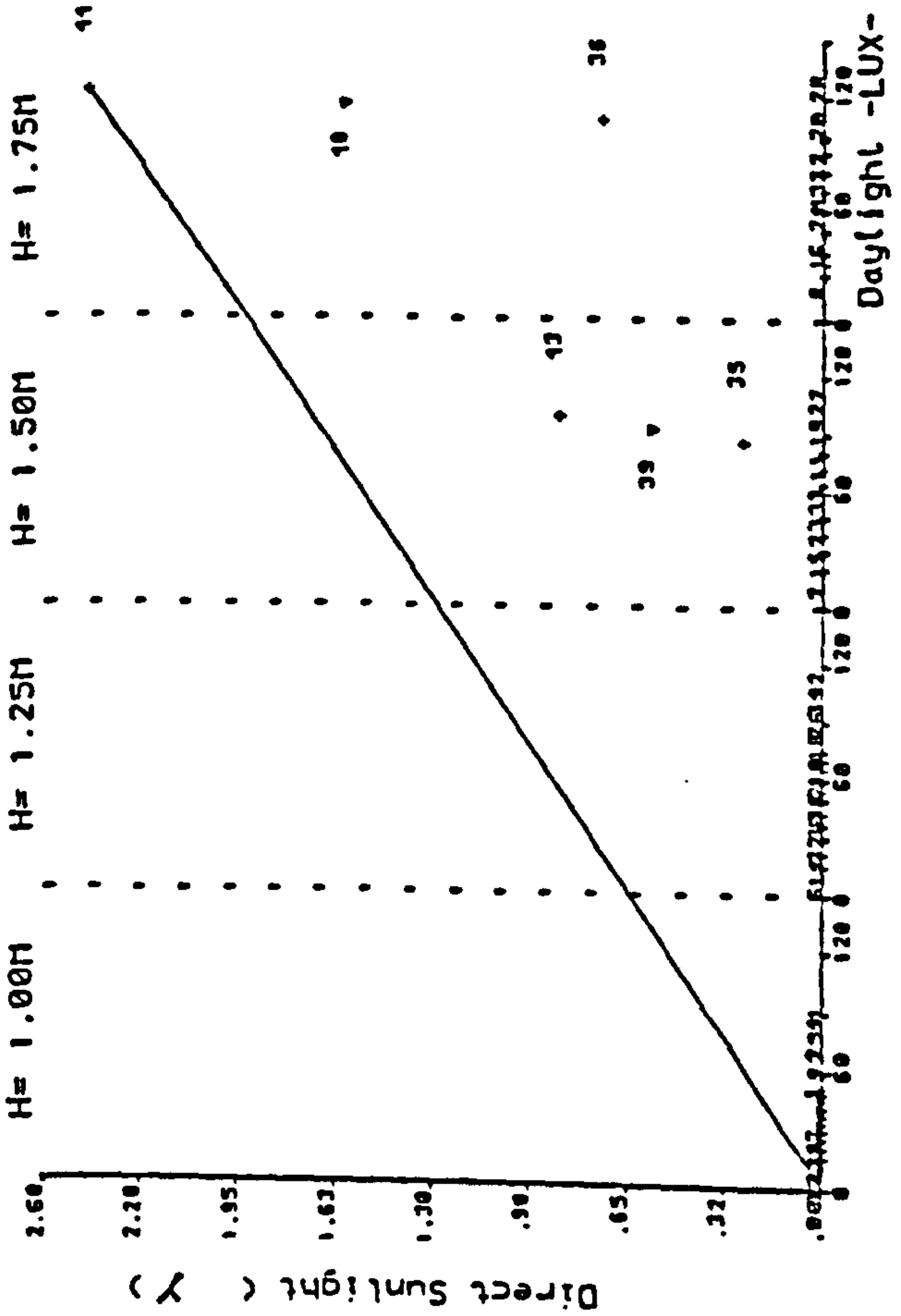
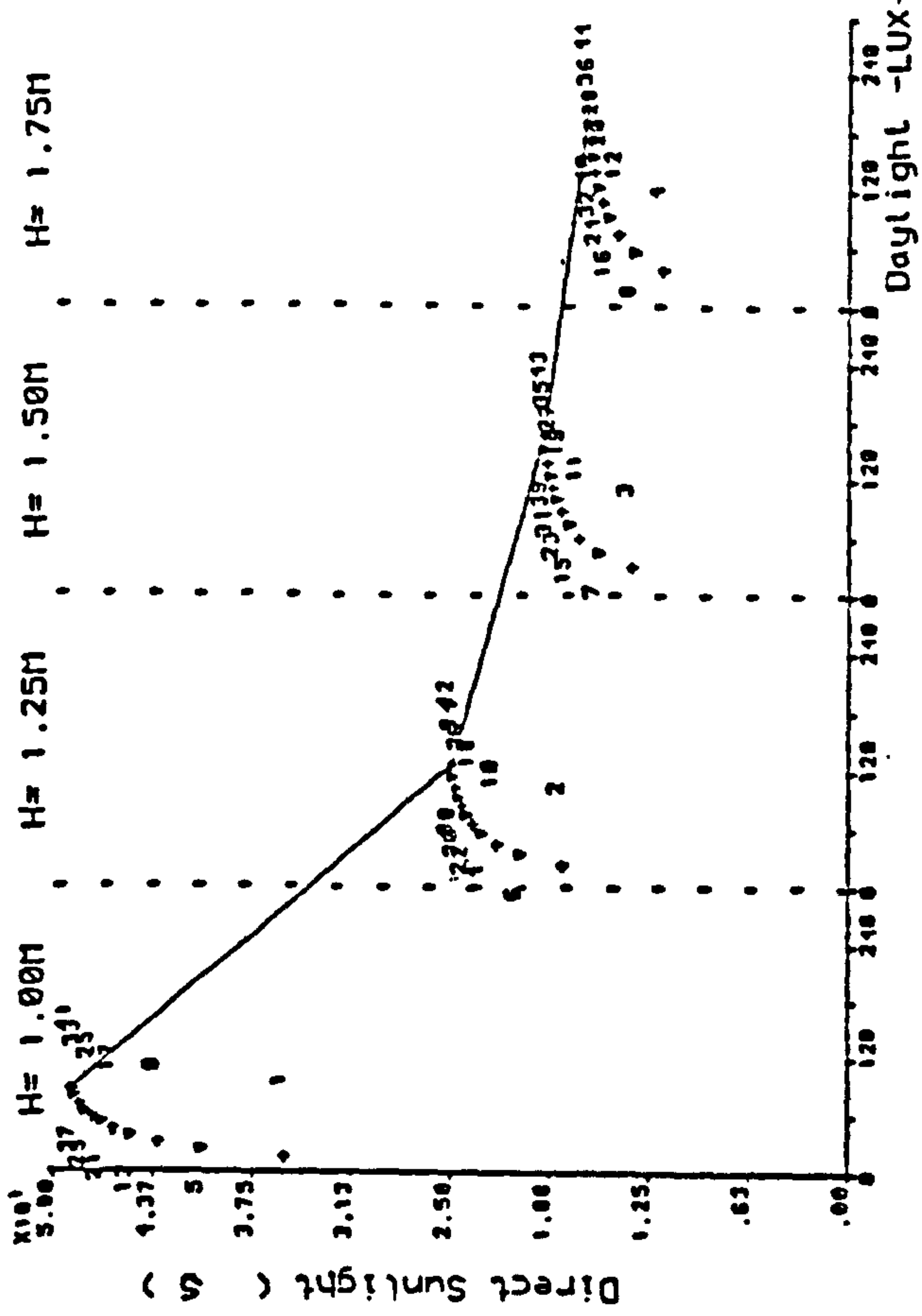
INTERHOUSE DISTANCE (2) . -

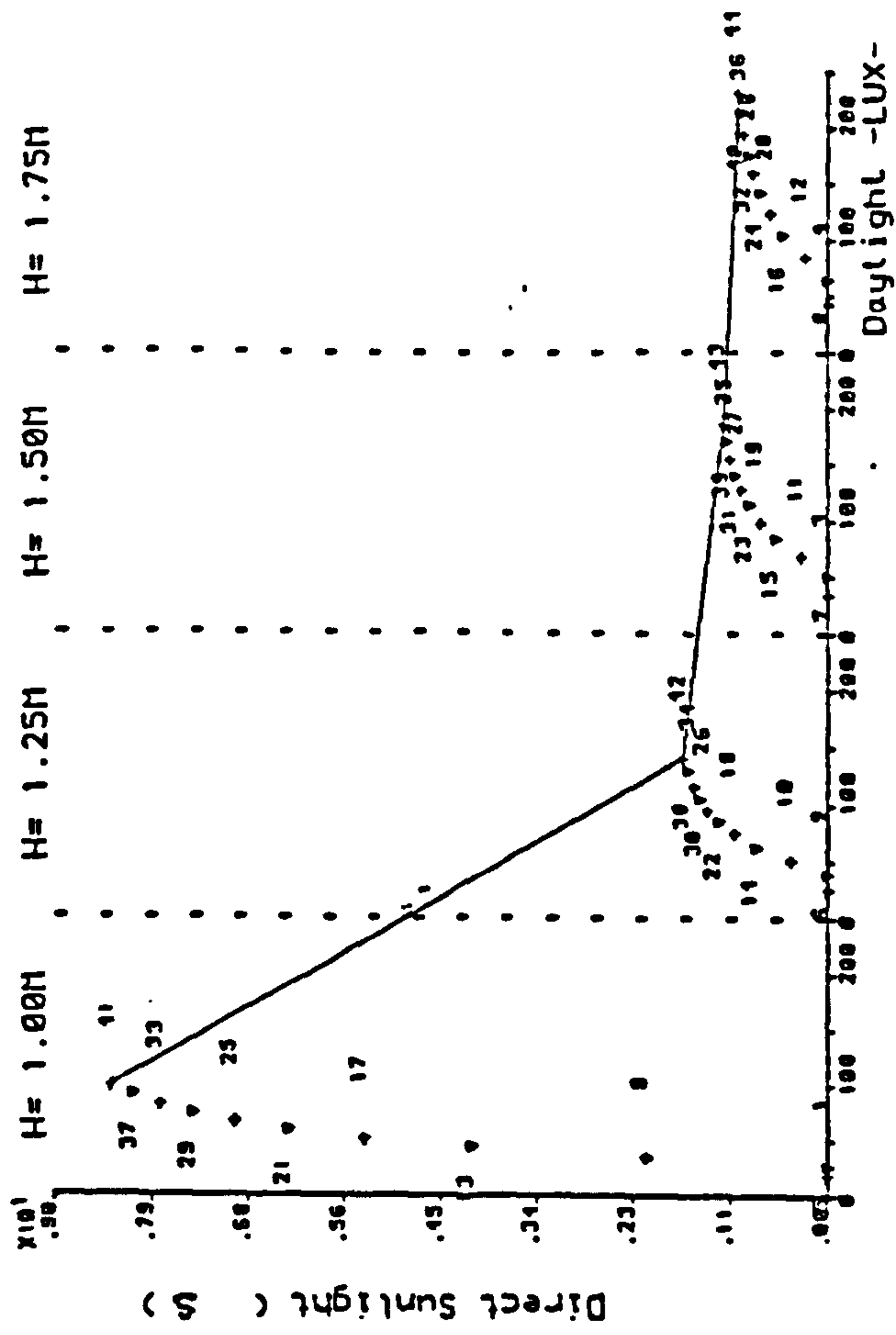


INTERHOUSE DISTANCE 4

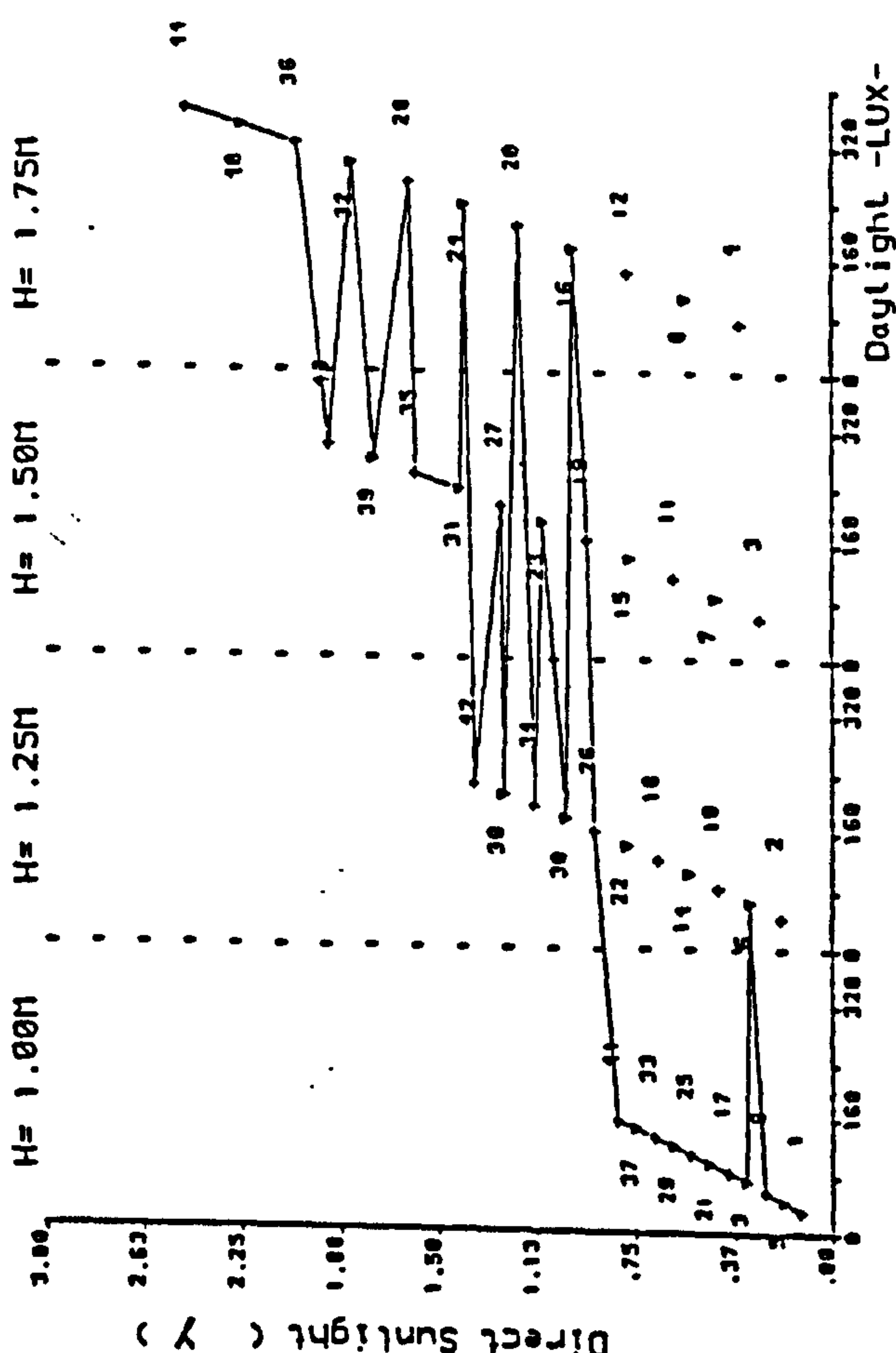




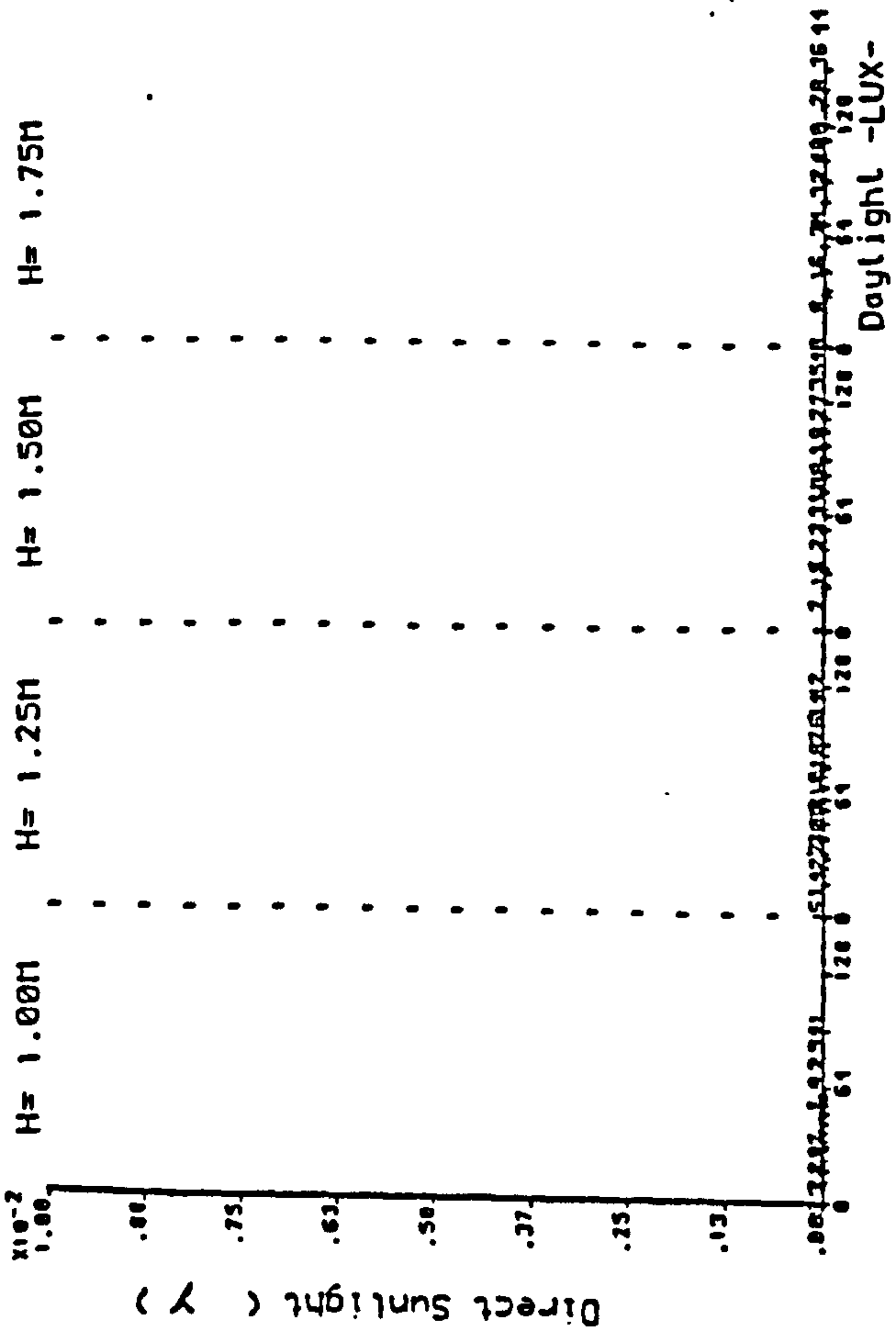




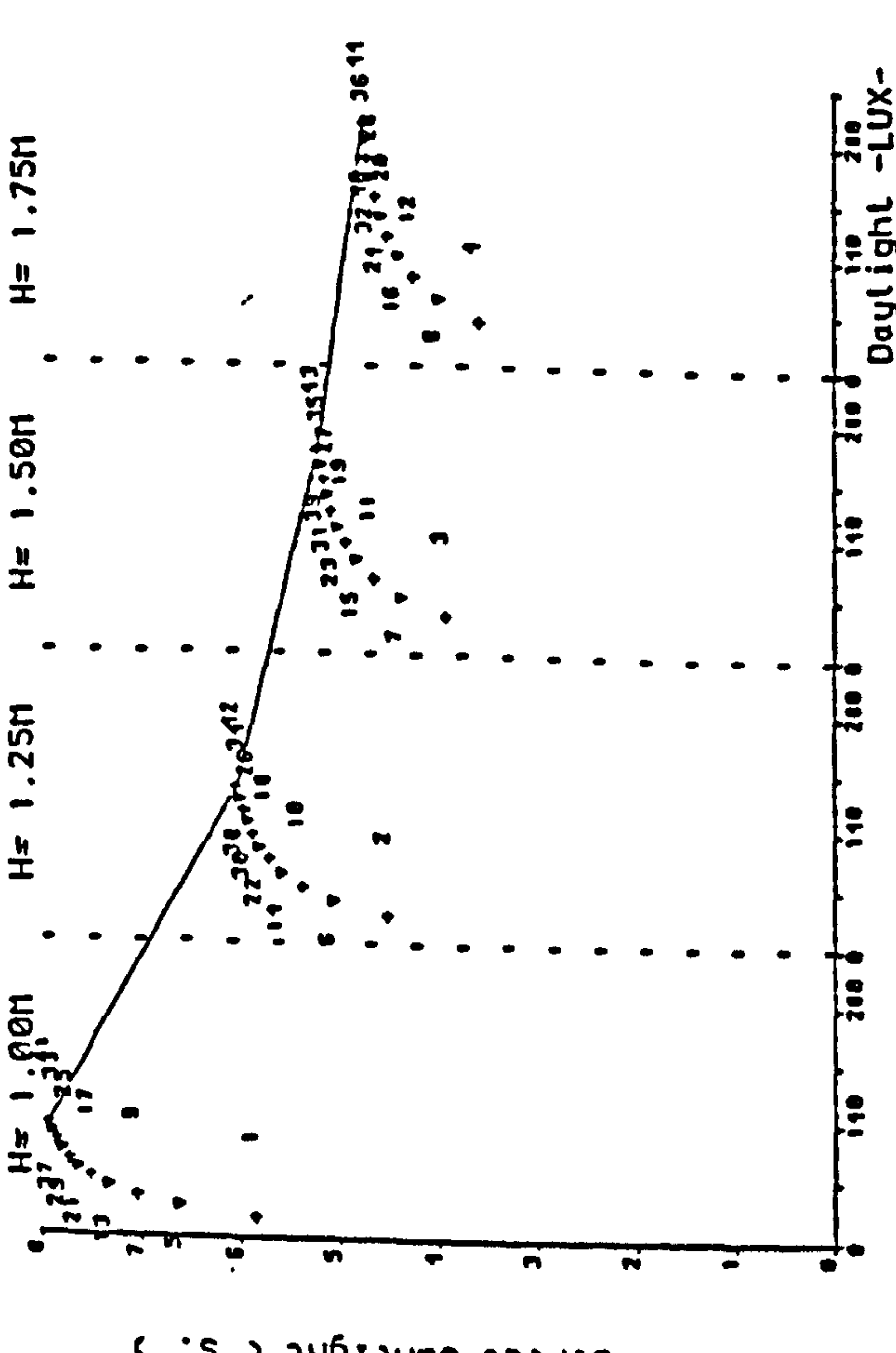
INTERHOUSE DISTANCE - 2.0M -



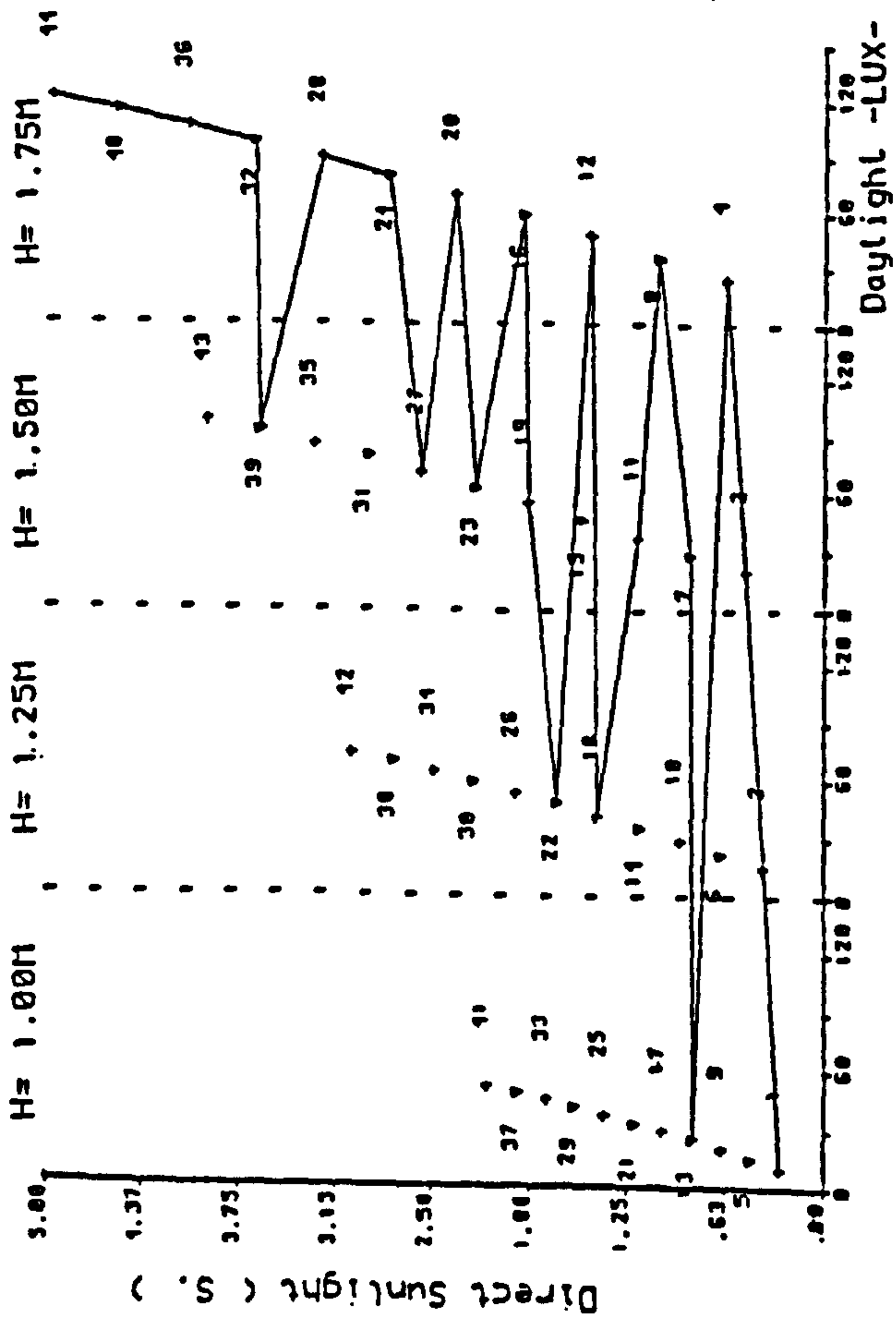
INTERHOUSE DISTANCE - 1.0M -



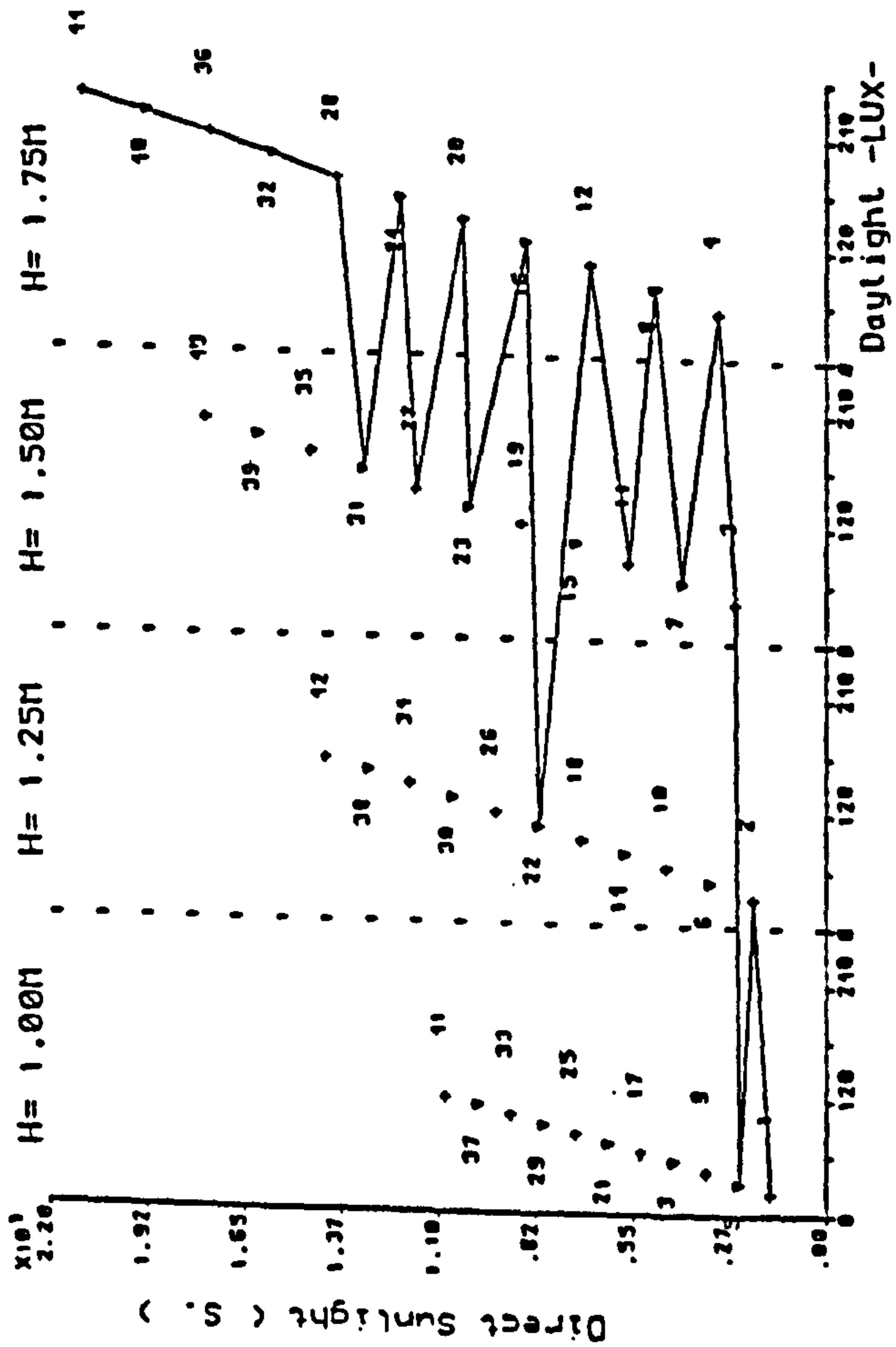
INTERHOUSE DISTANCE - 1.0M -



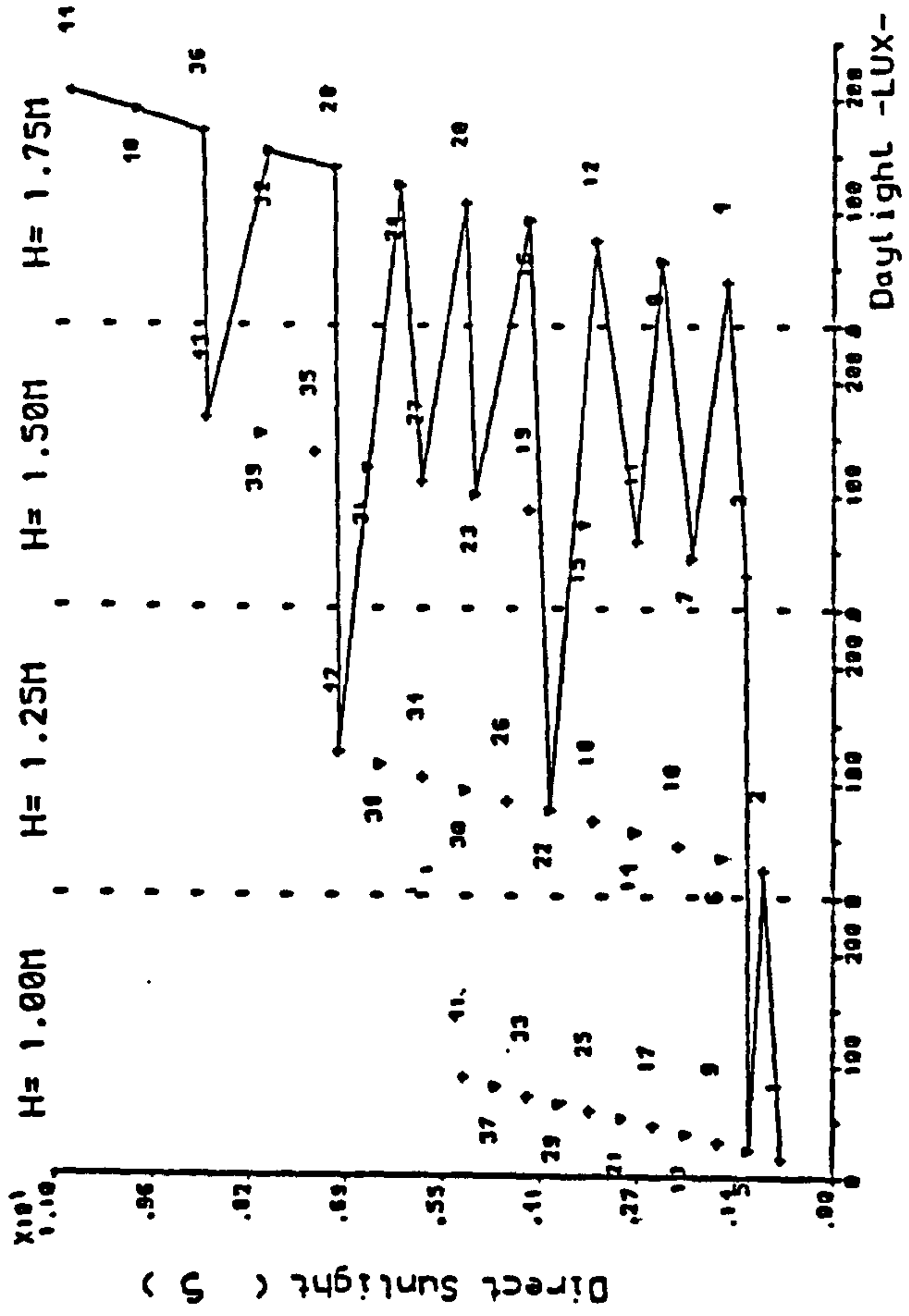
INTERHOUSE DISTANCE - 3.0M -



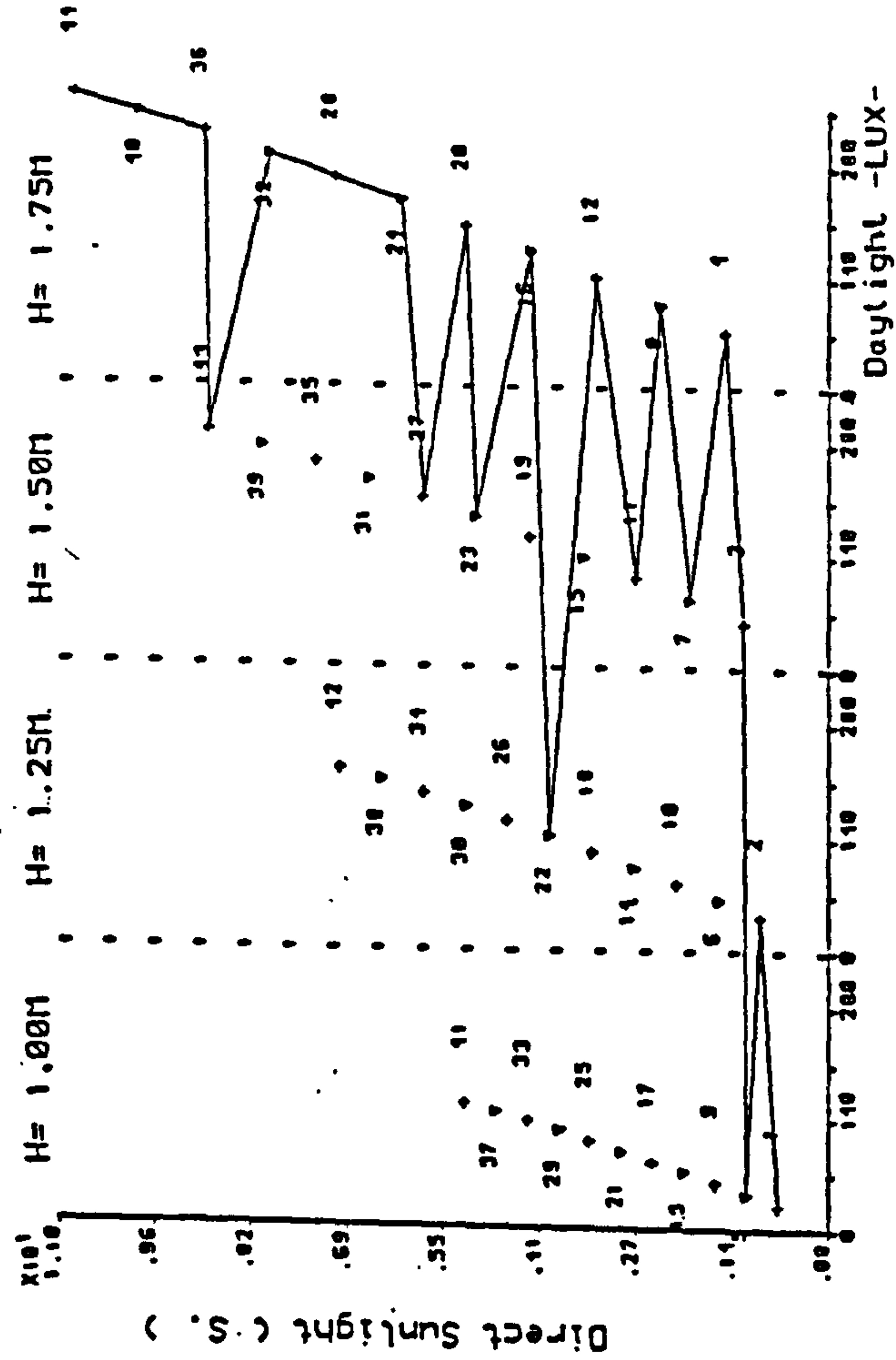
INTERHOUSE DISTANCE - 1.0 M -



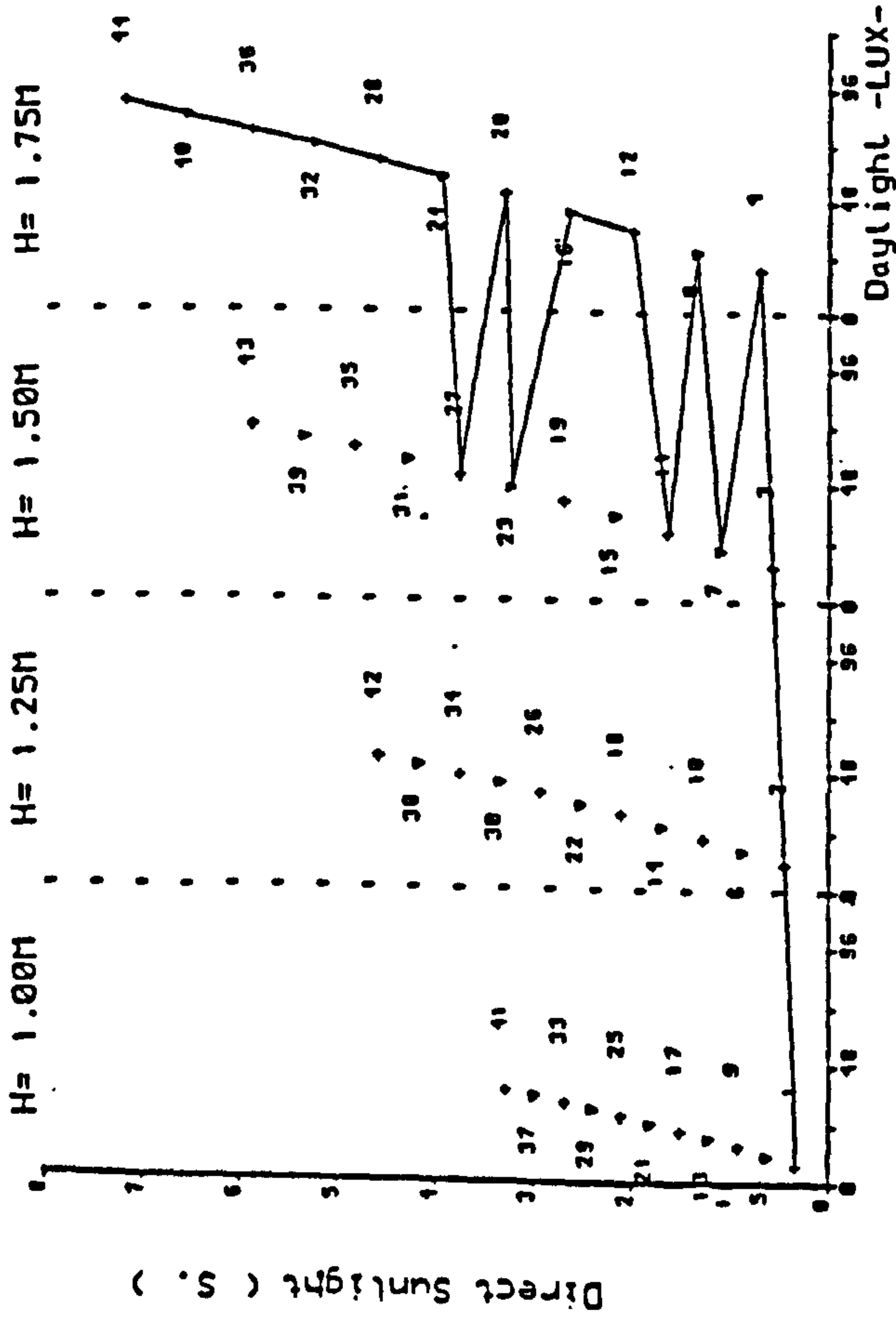
INTERHOUSE DISTANCE - 3.0 M -



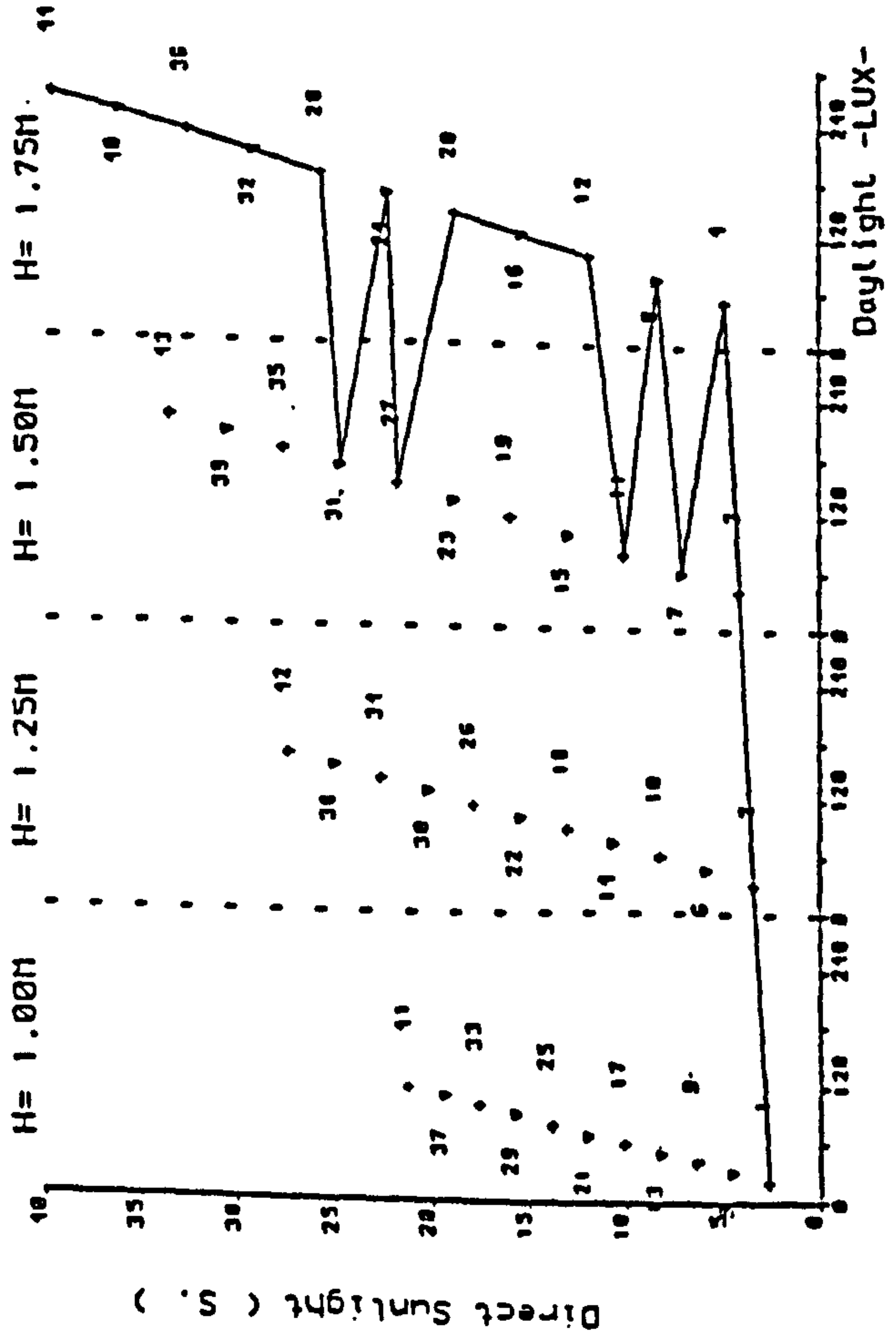
INTERHOUSE DISTANCE - 2.0 M -



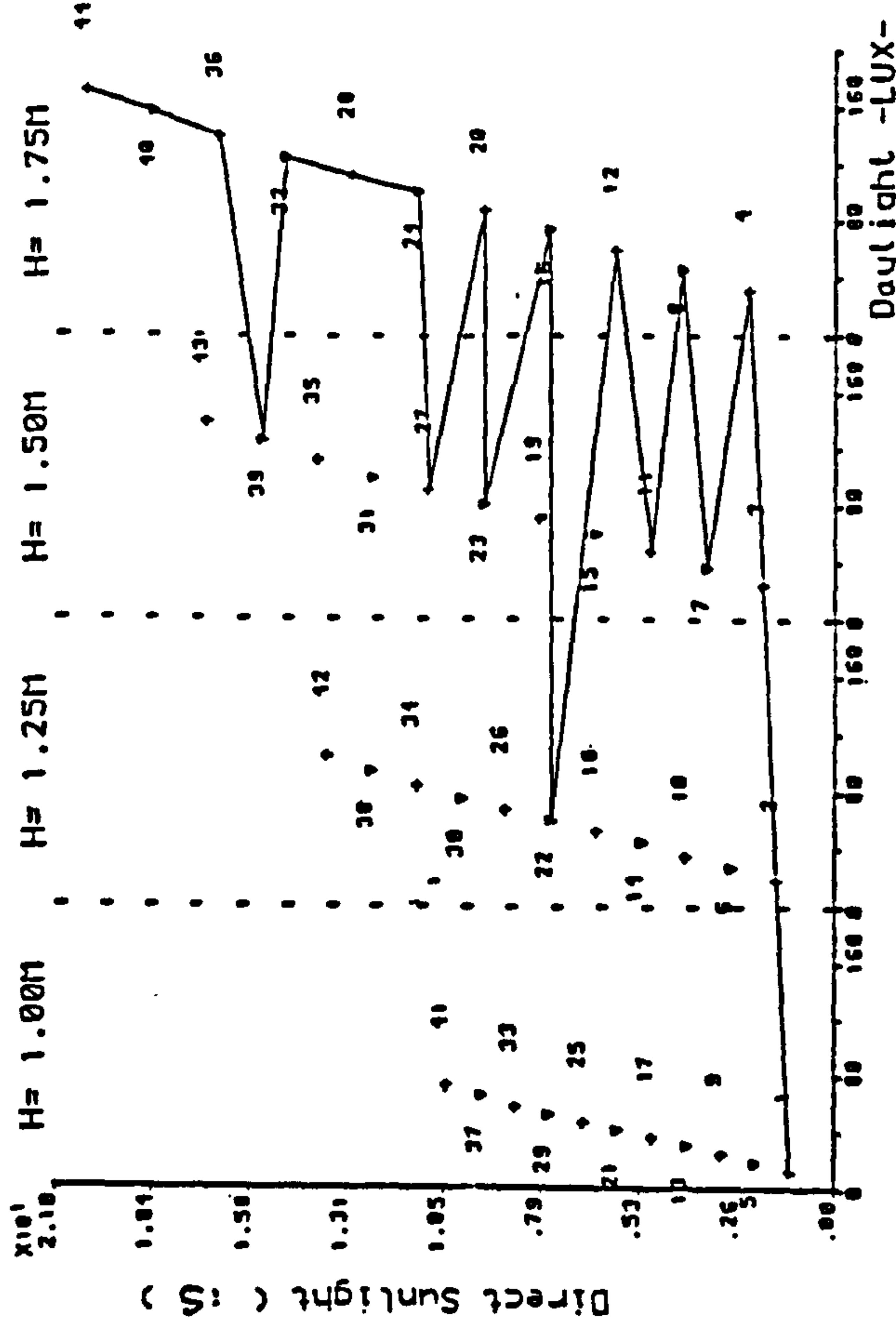
INTERHOUSE DISTANCE - 1.0 M -



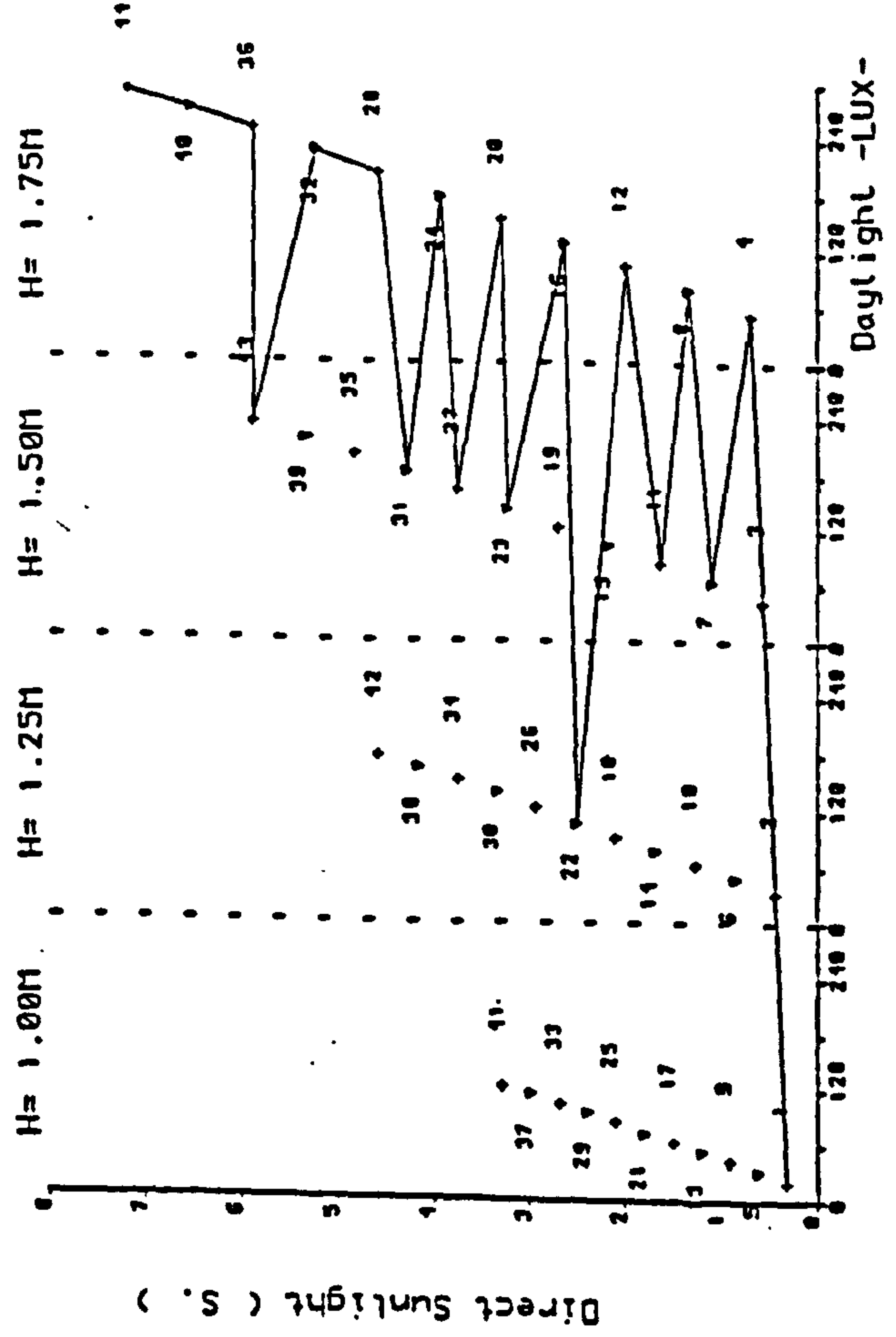
INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 3.0 M -

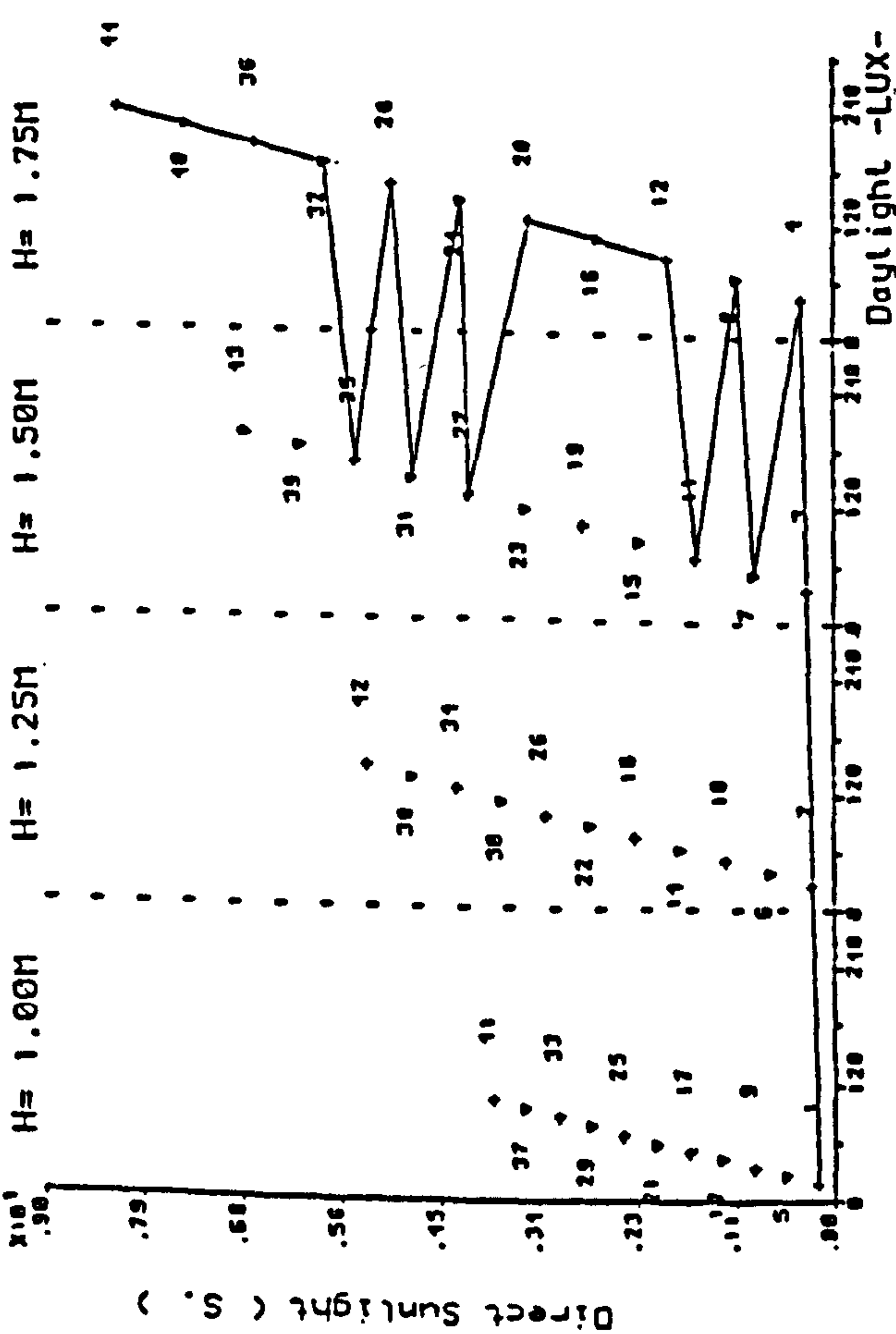
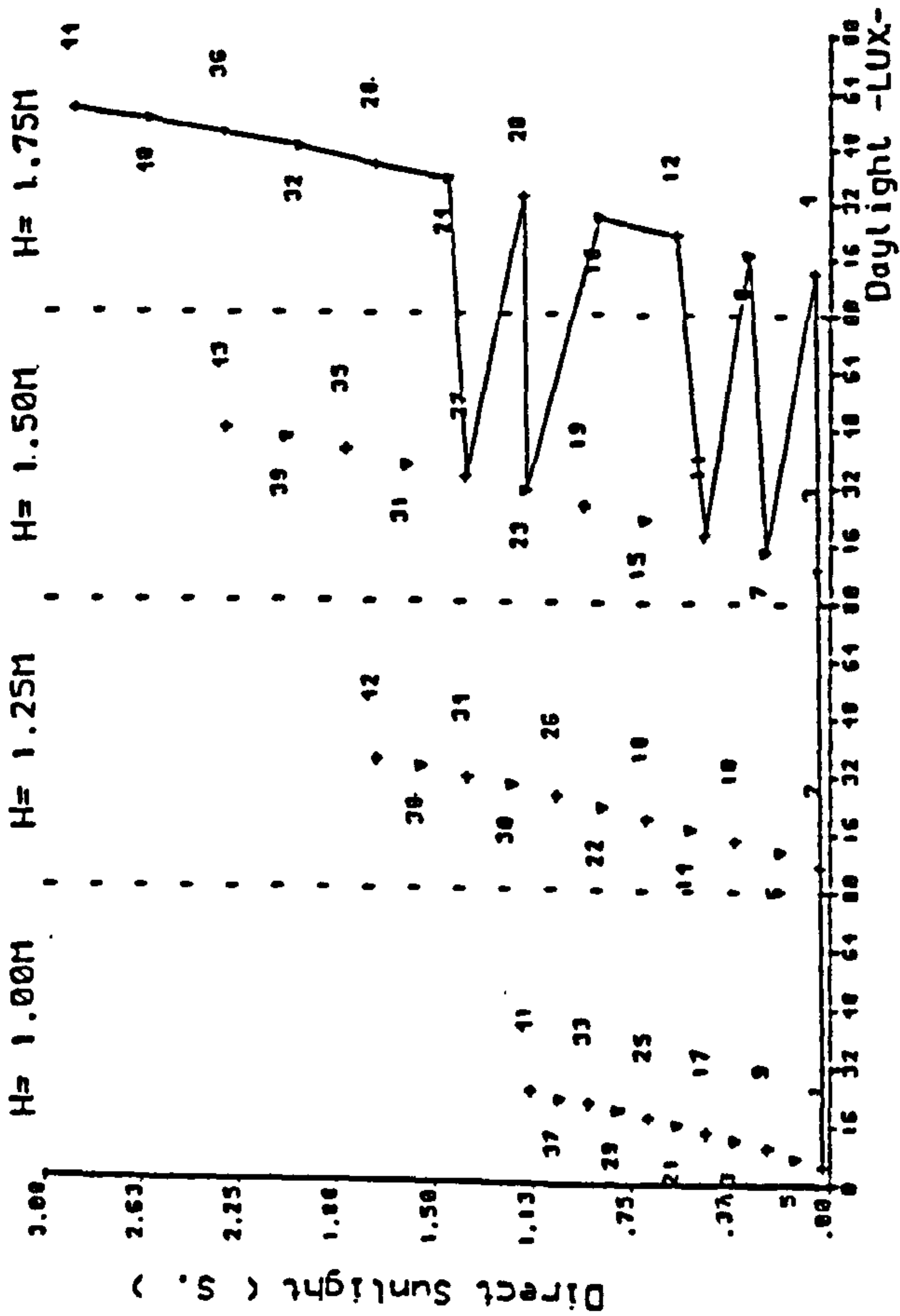
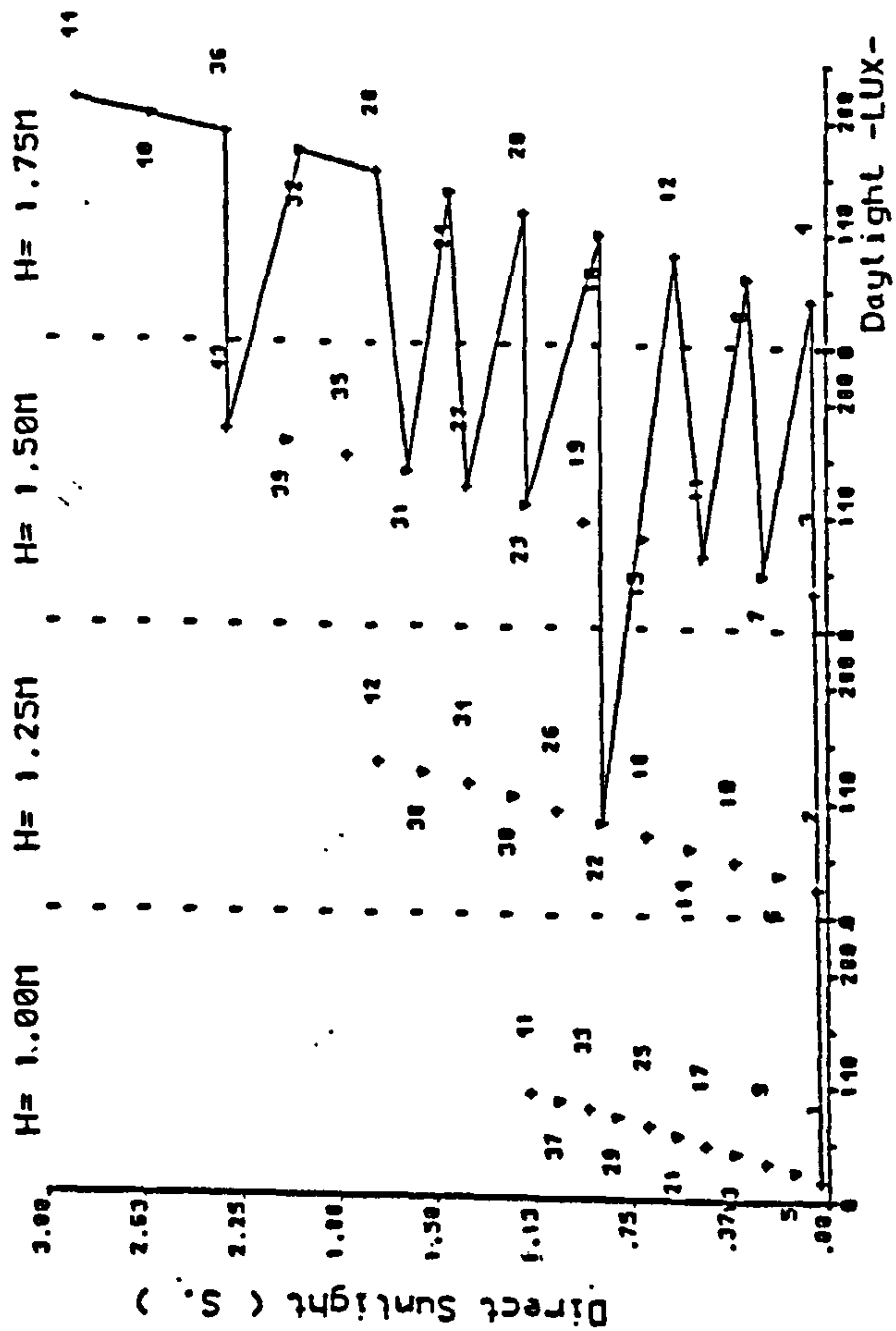
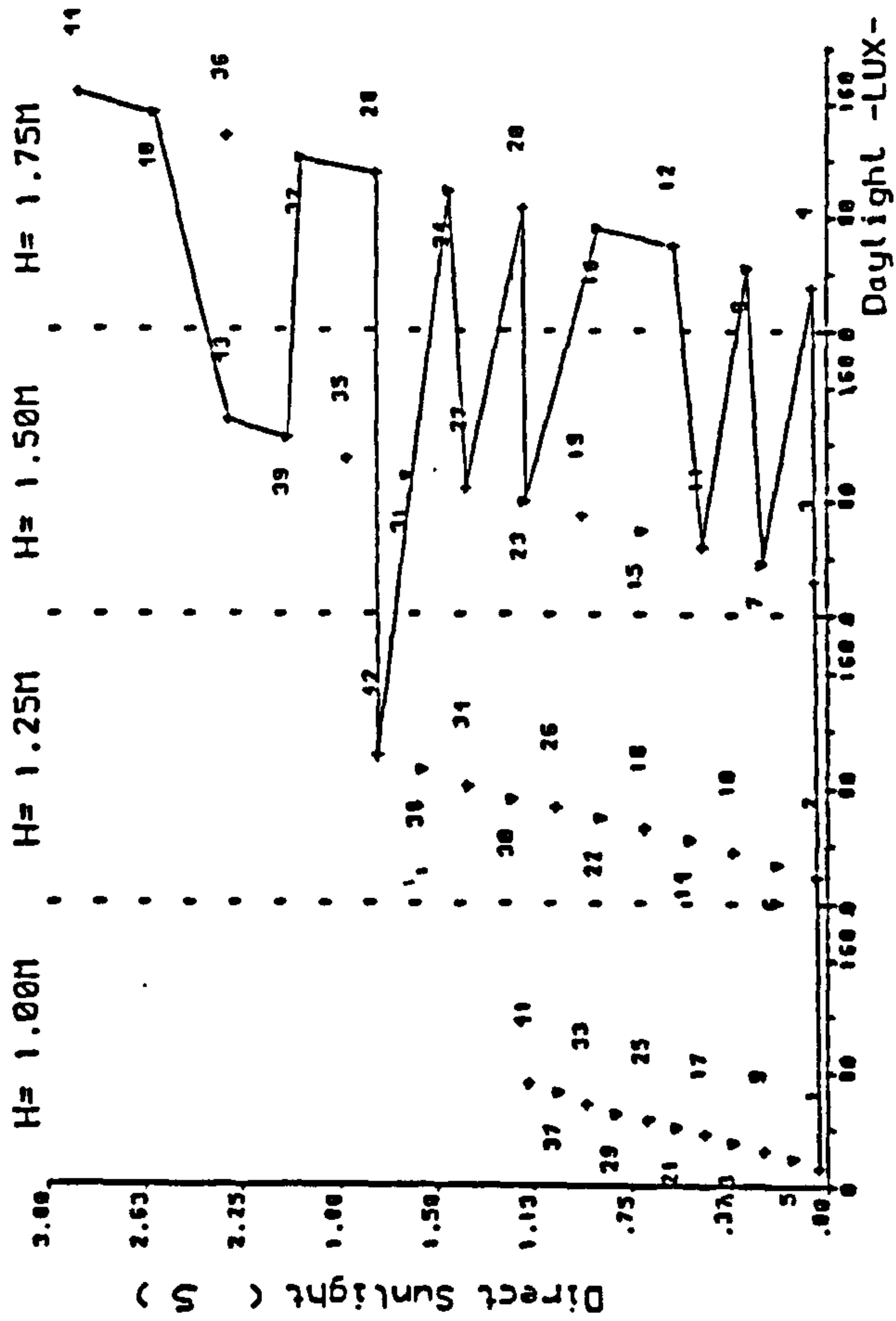


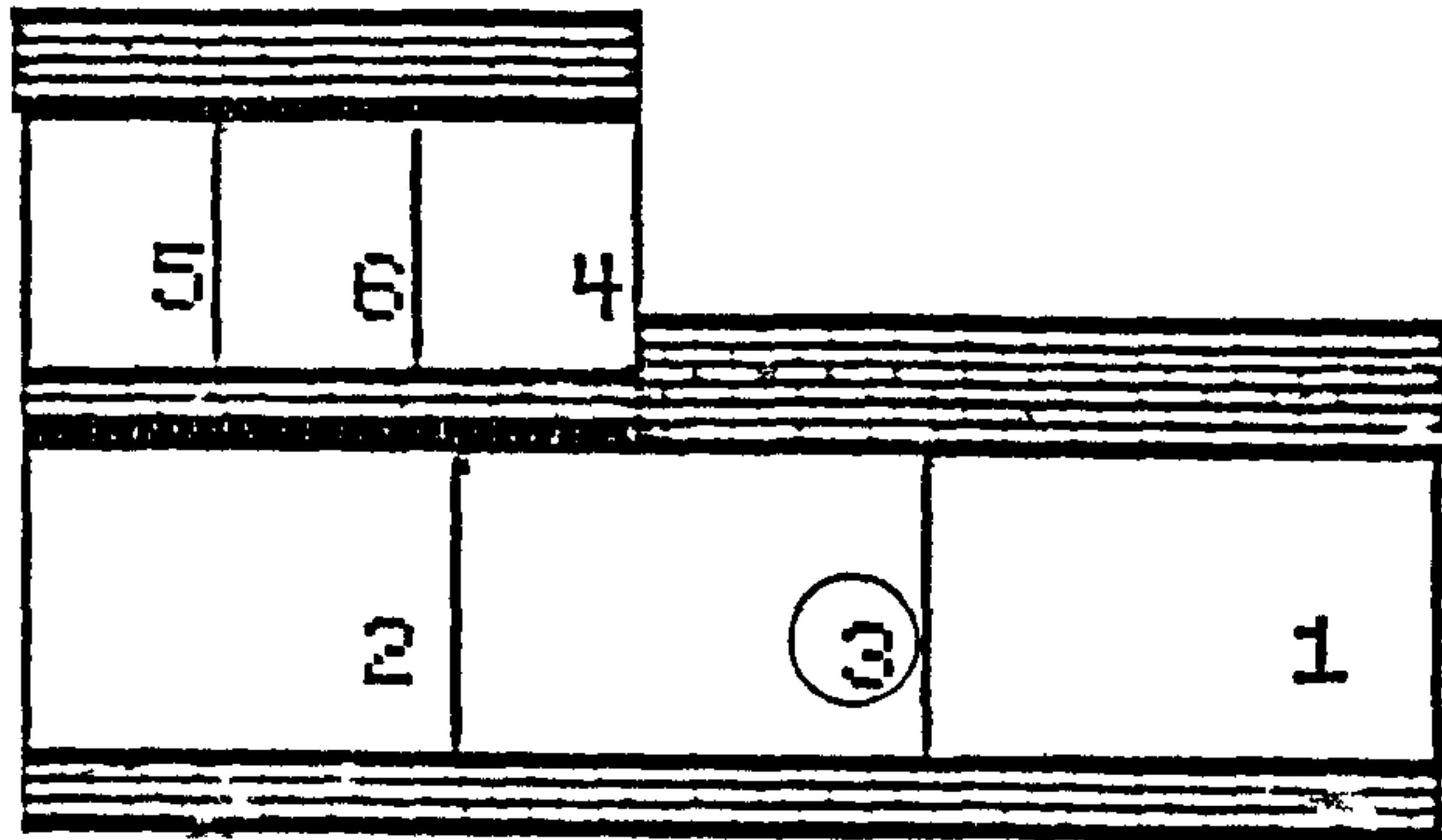
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -





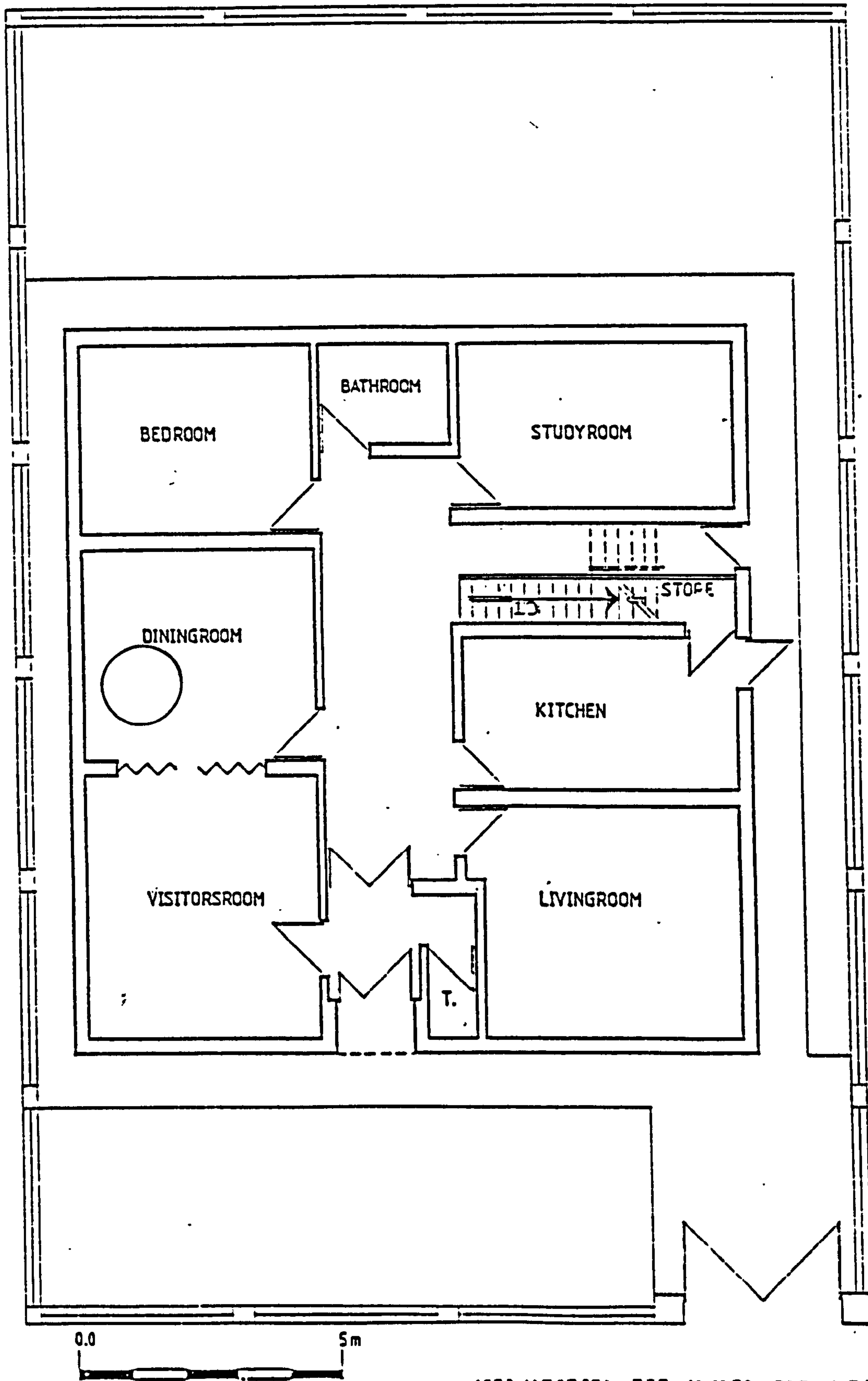


Key diagram showing the location  
of window data .

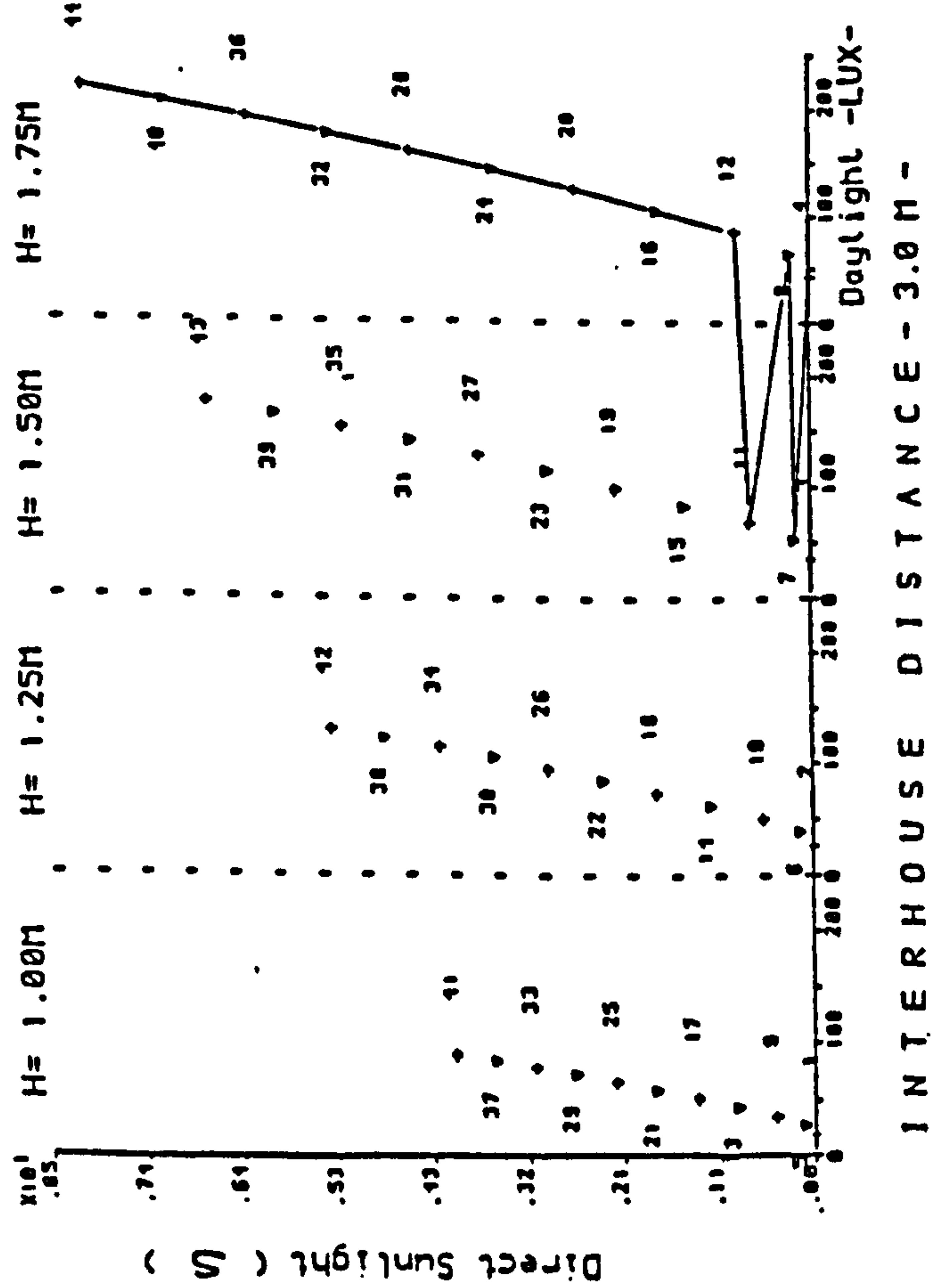
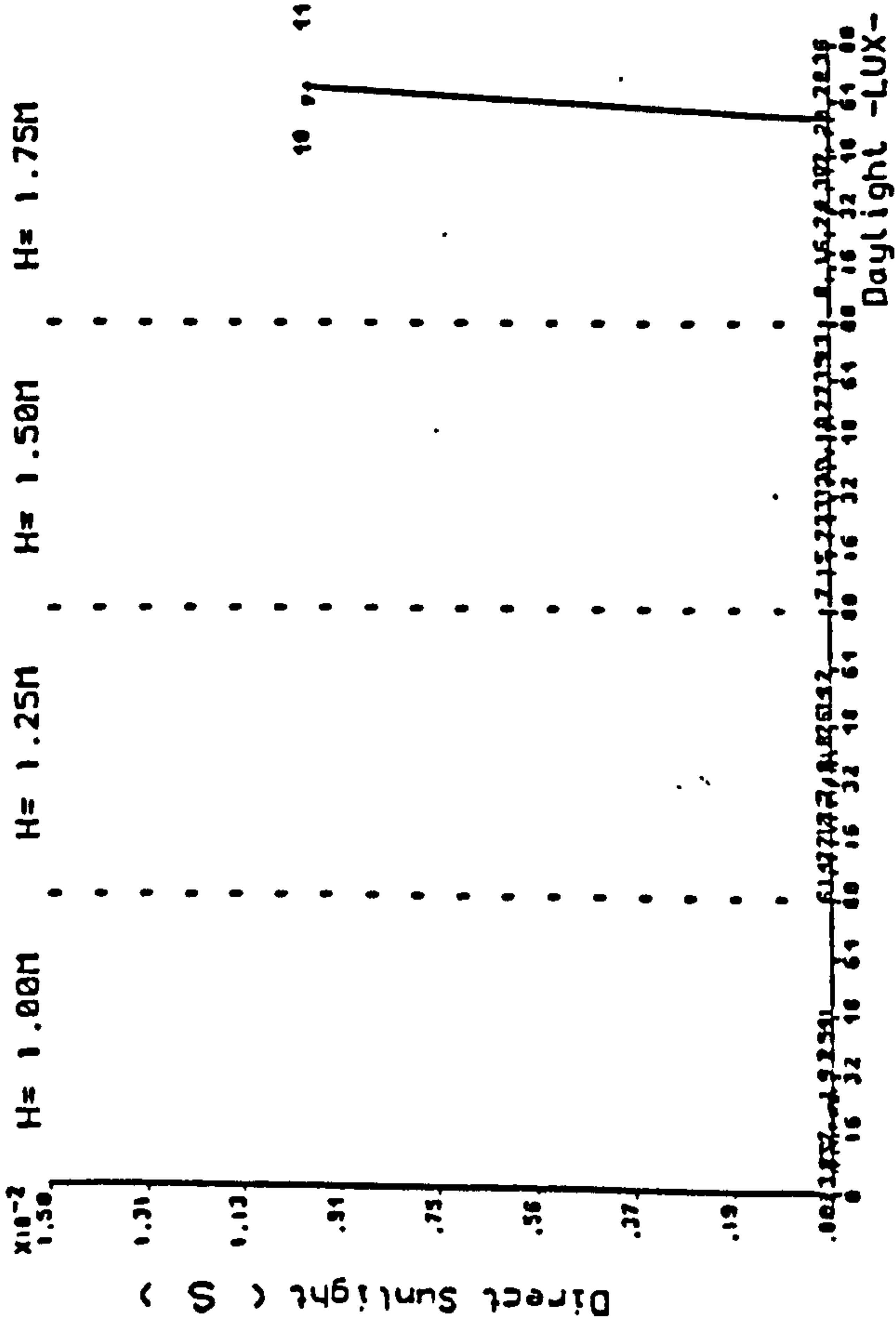
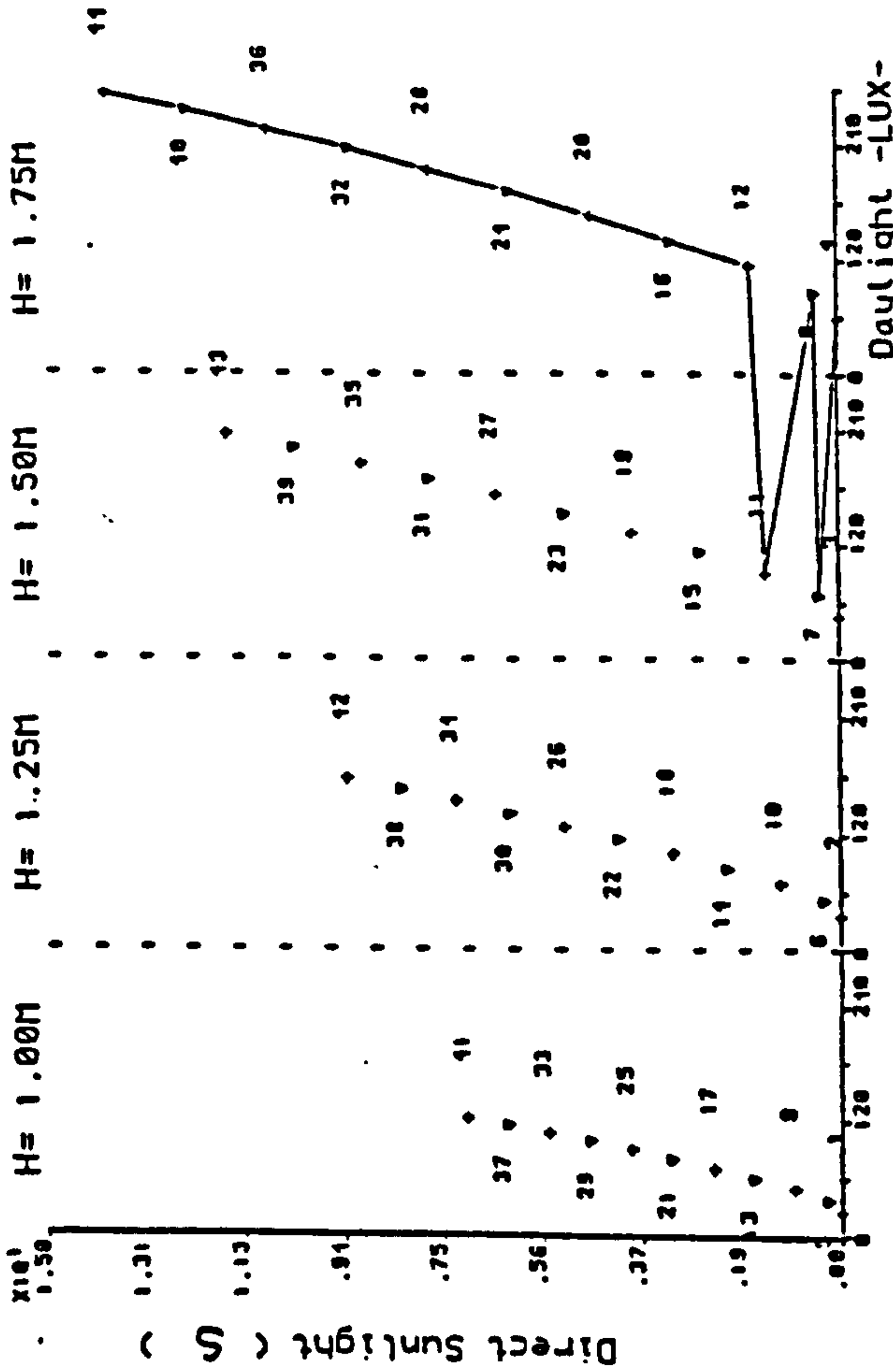
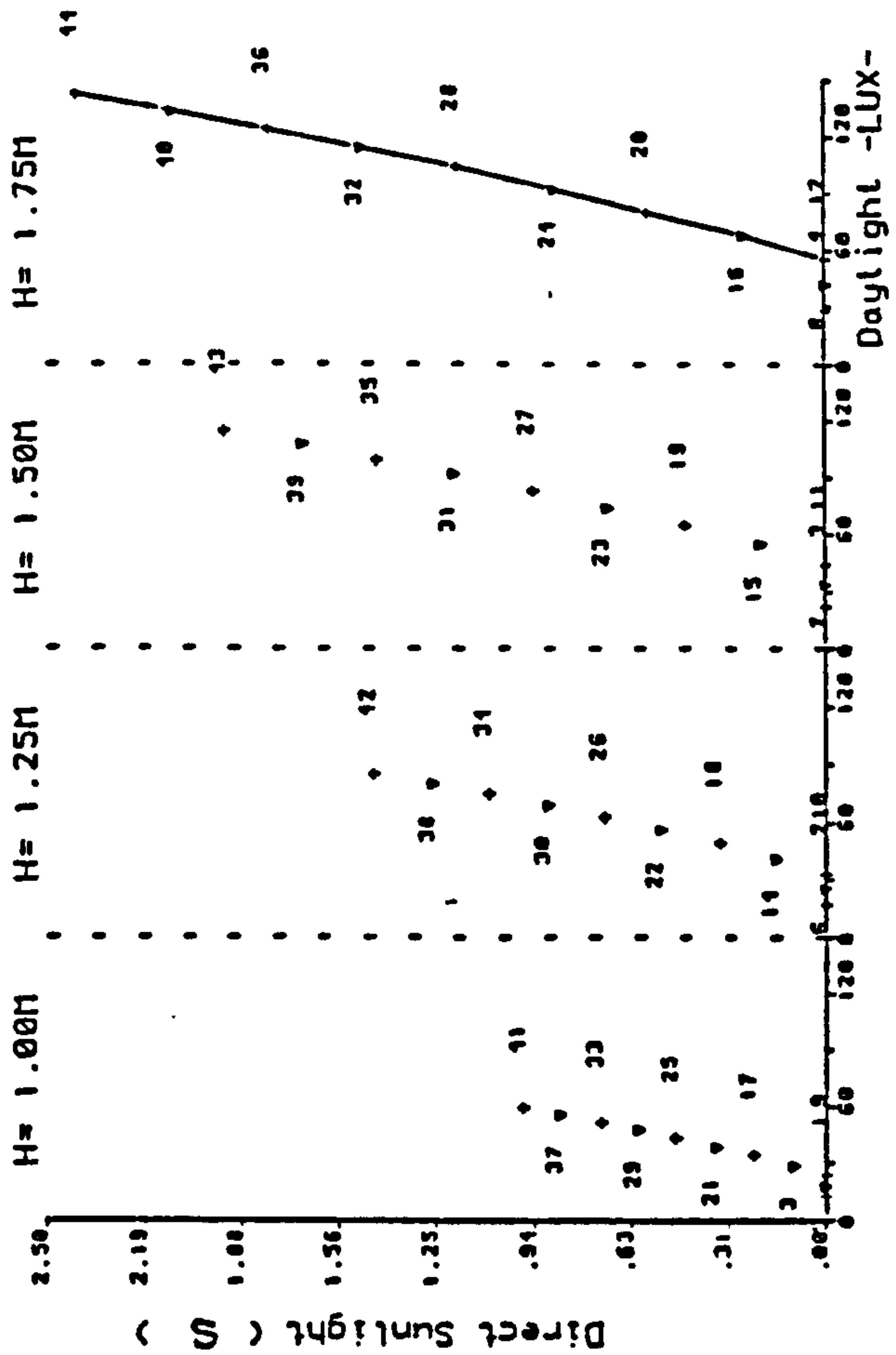
Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

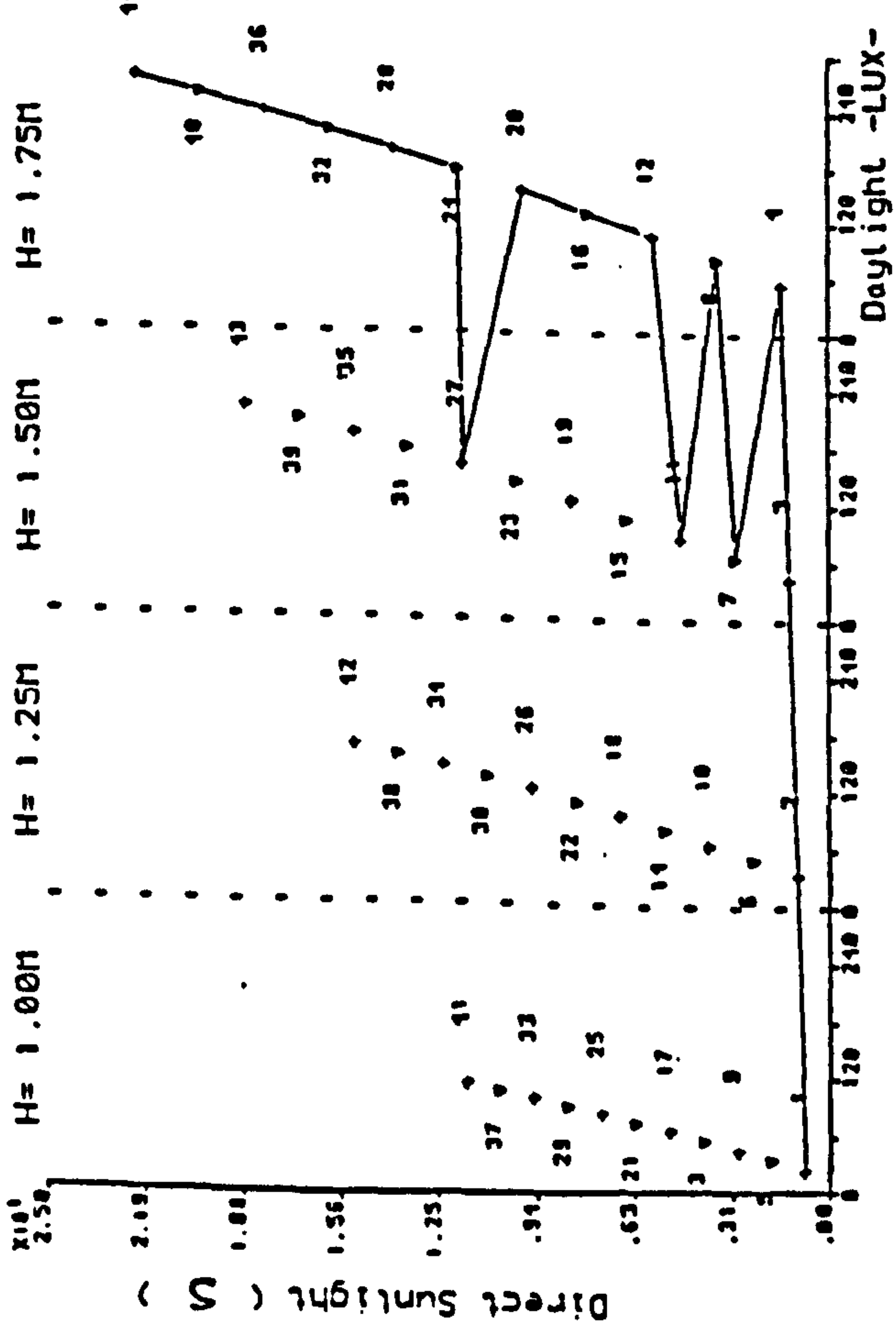
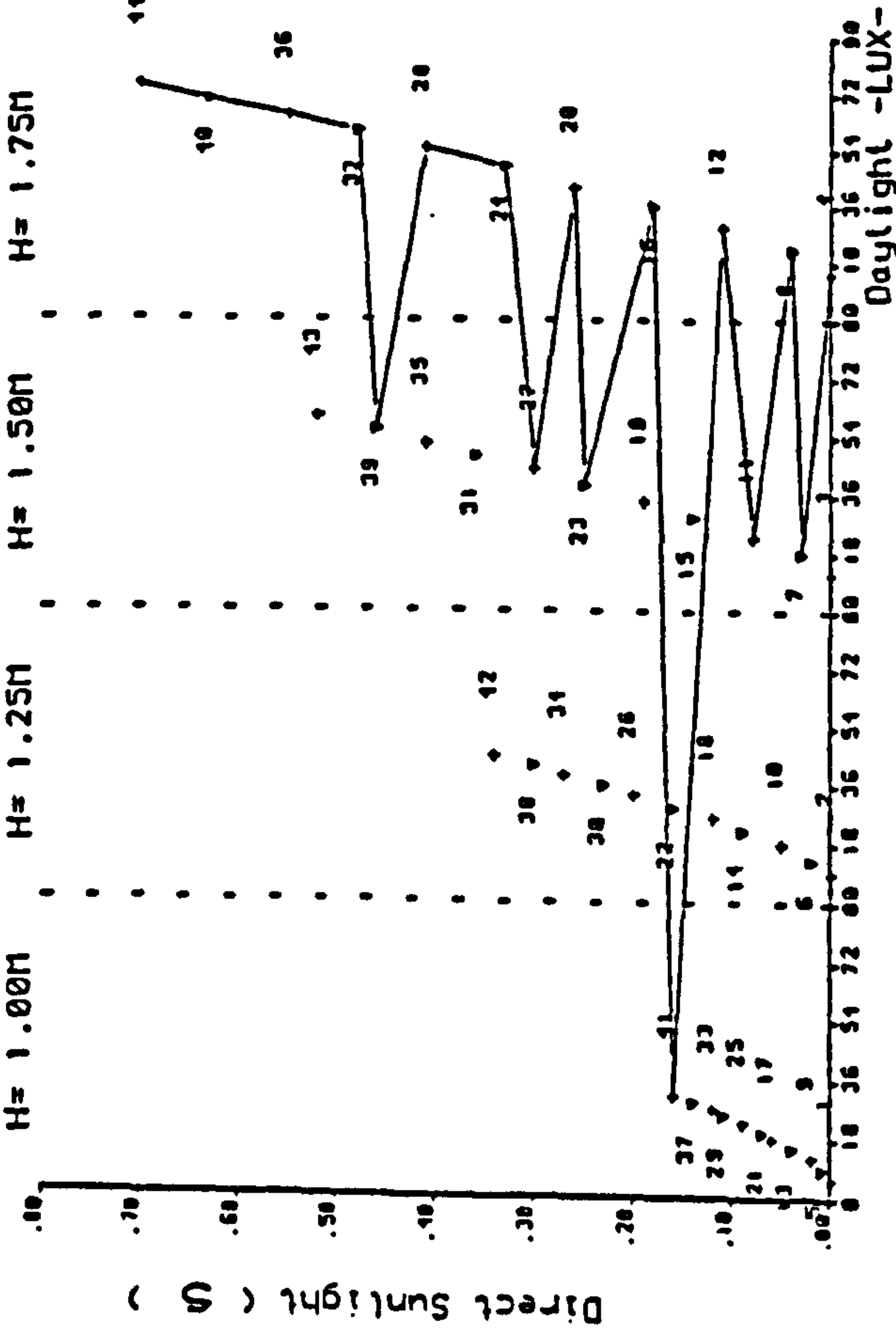
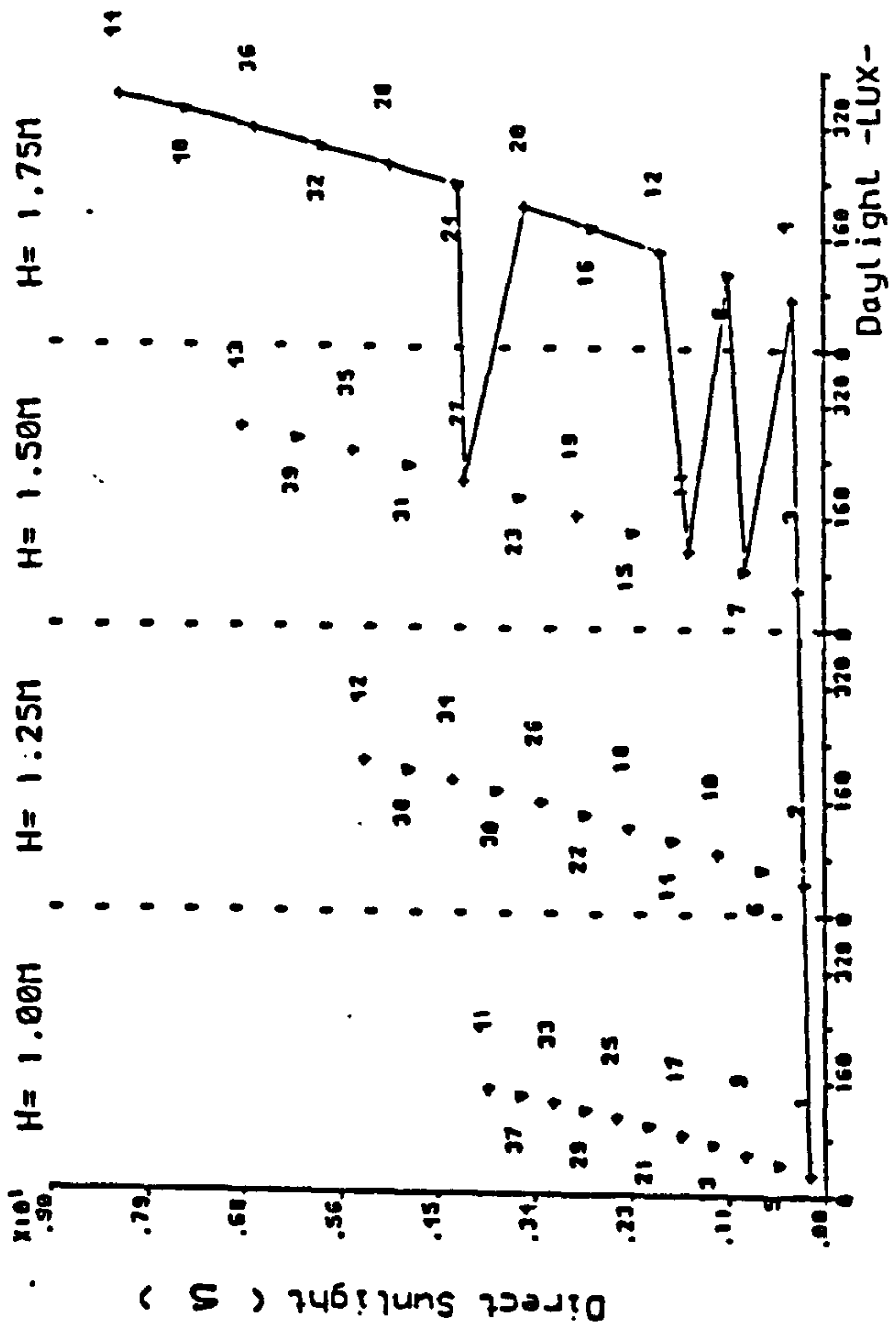
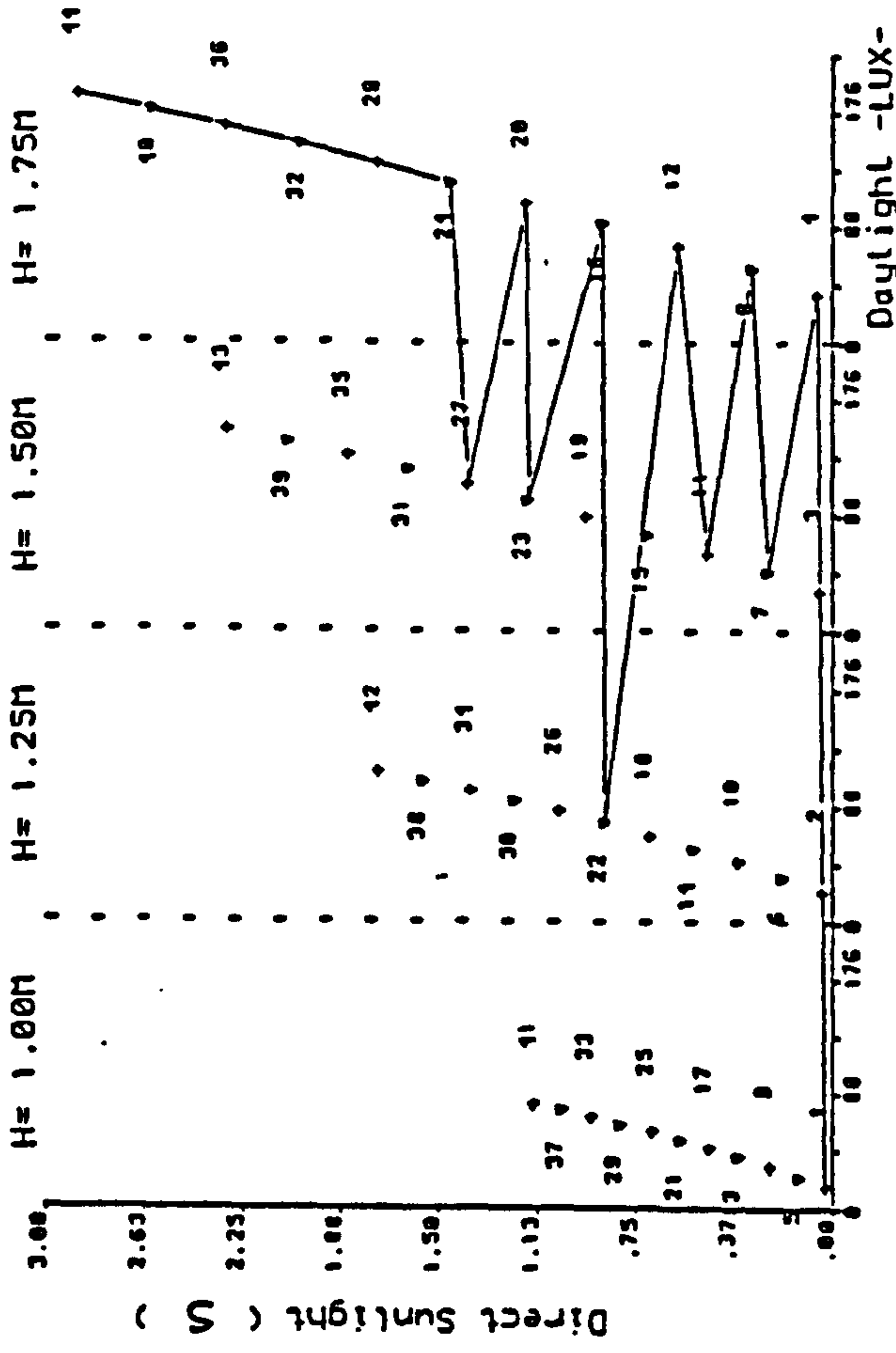
ORIENTATION	PAGE NO.
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22.5	1519
45	1520
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112.5	1523
135	1524
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315	1532
337.5	1533

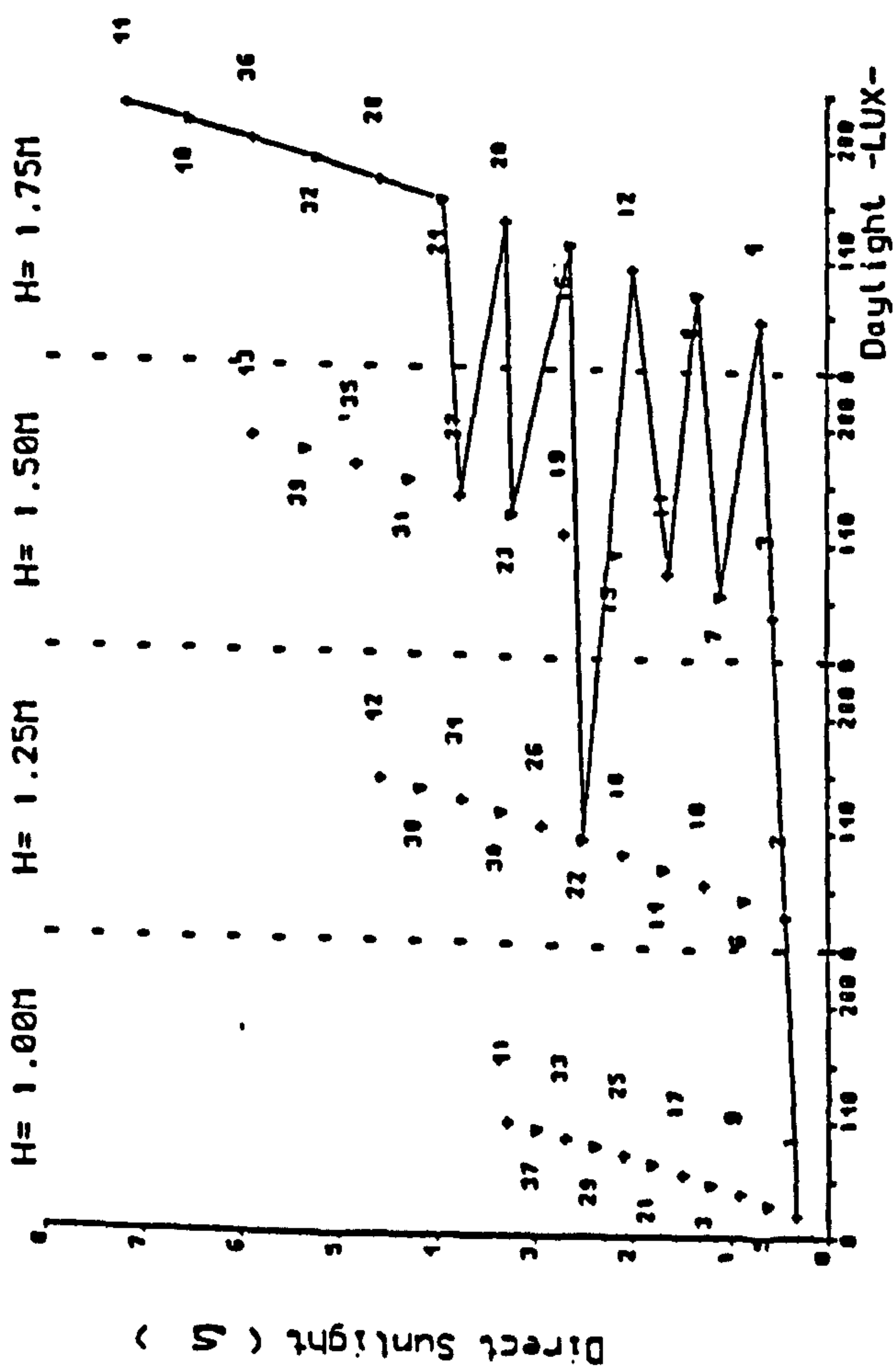
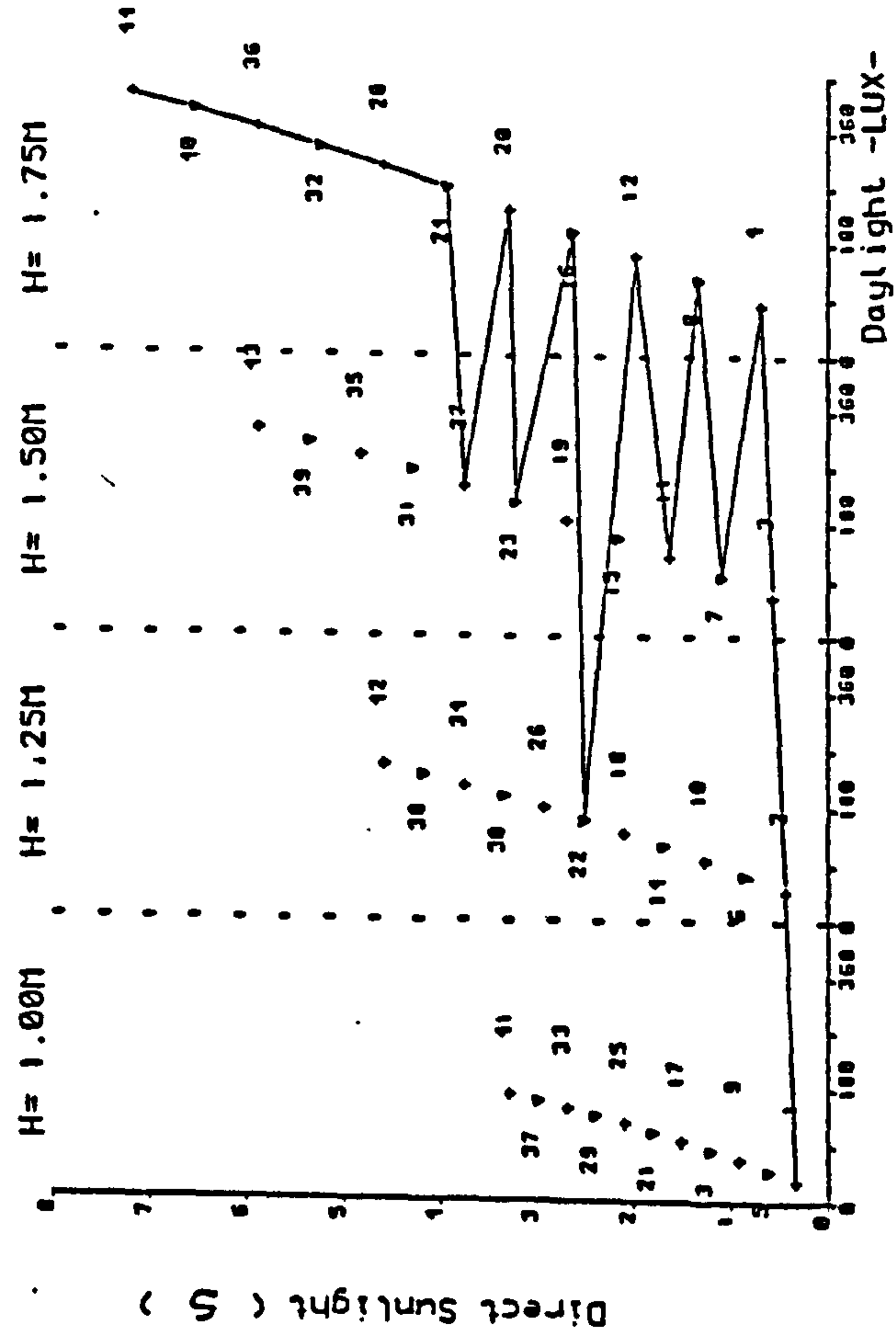
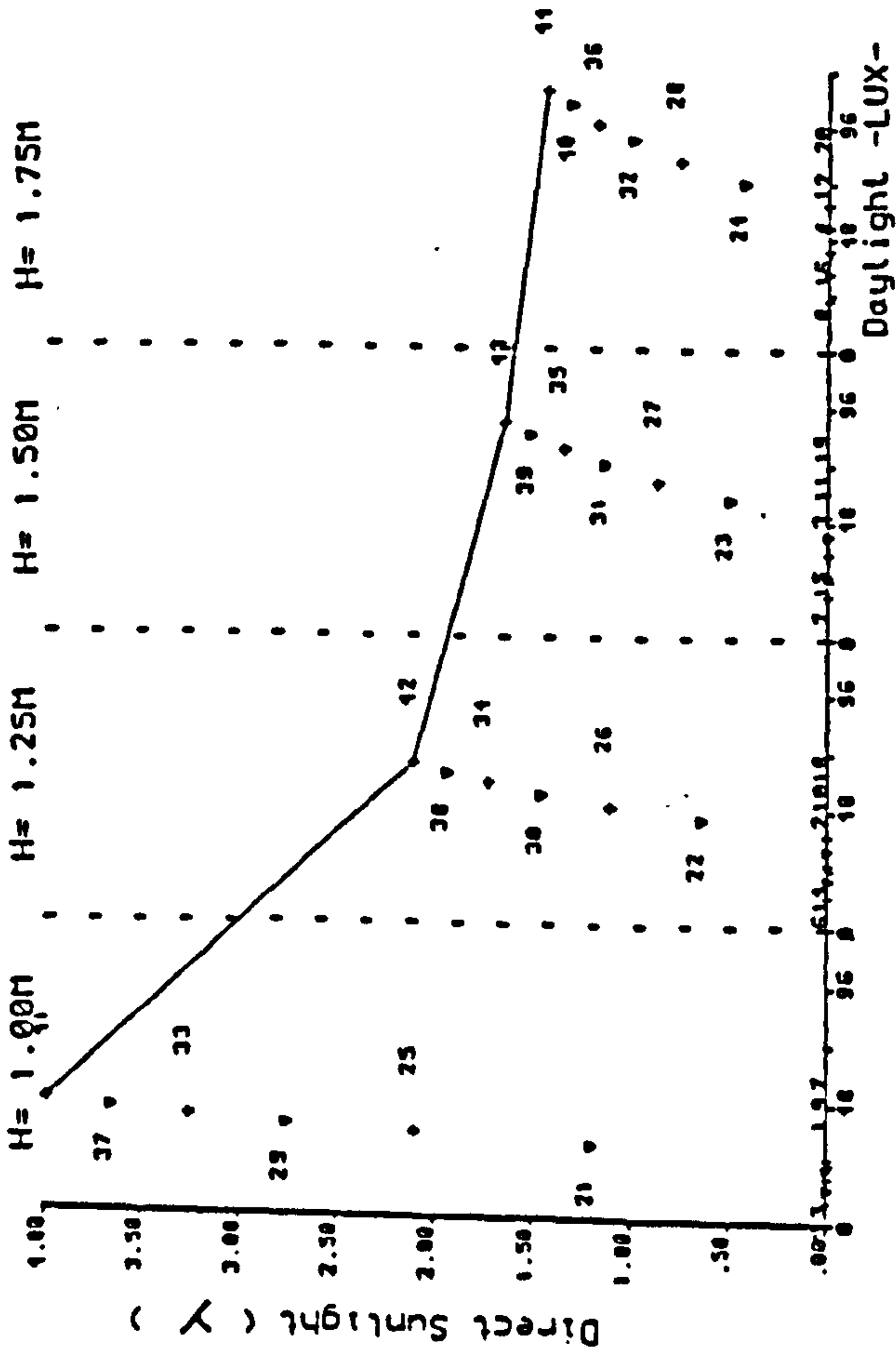
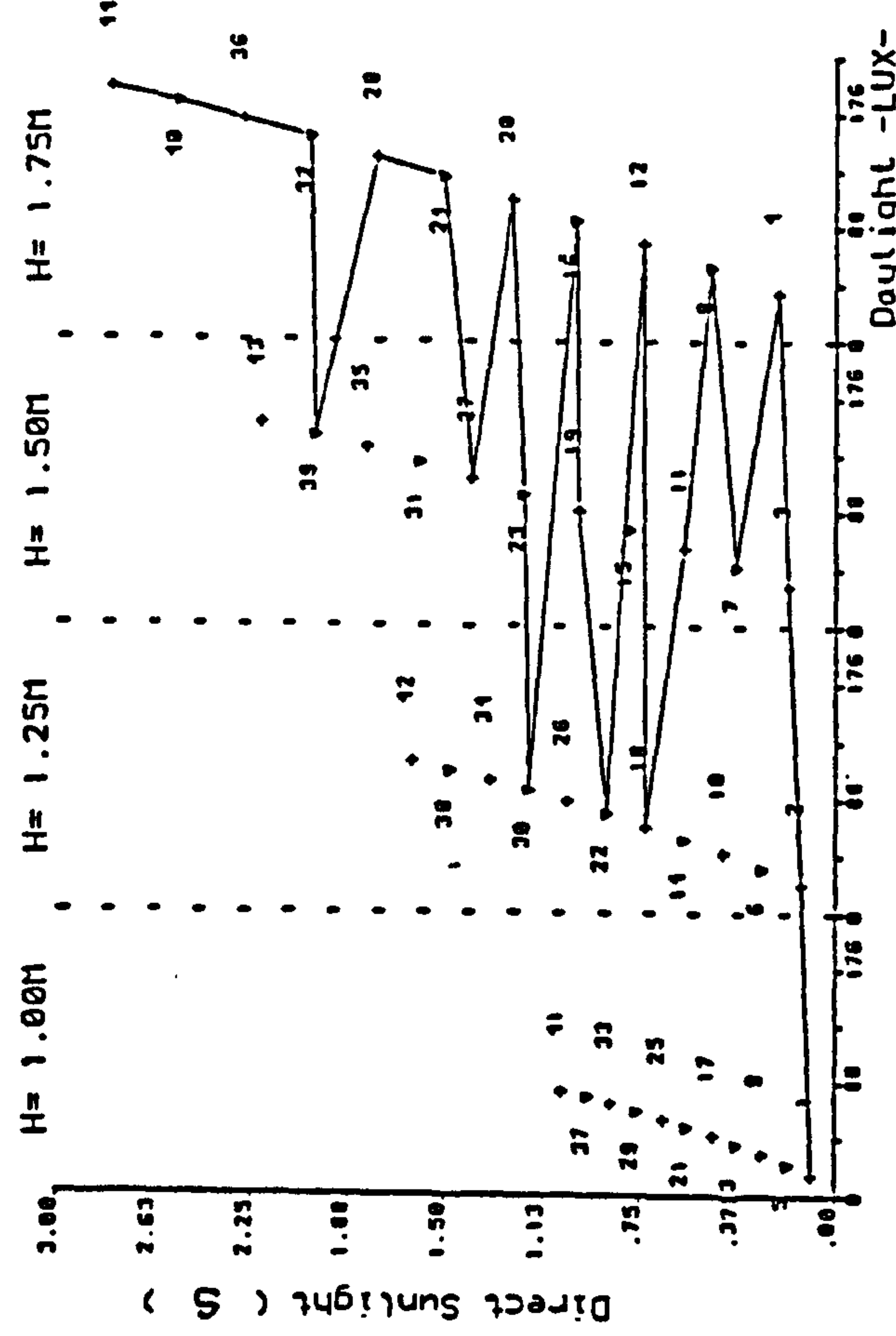


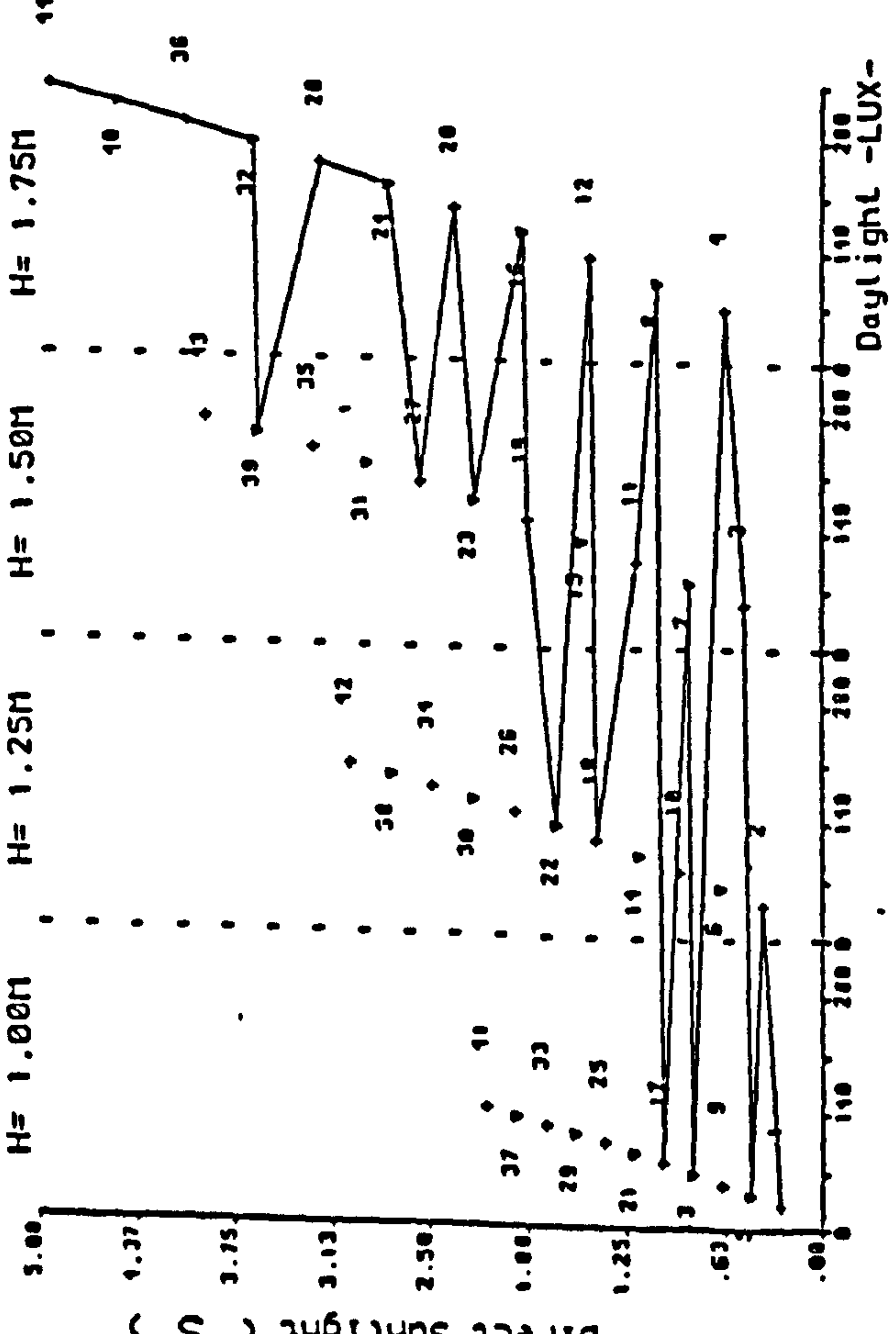
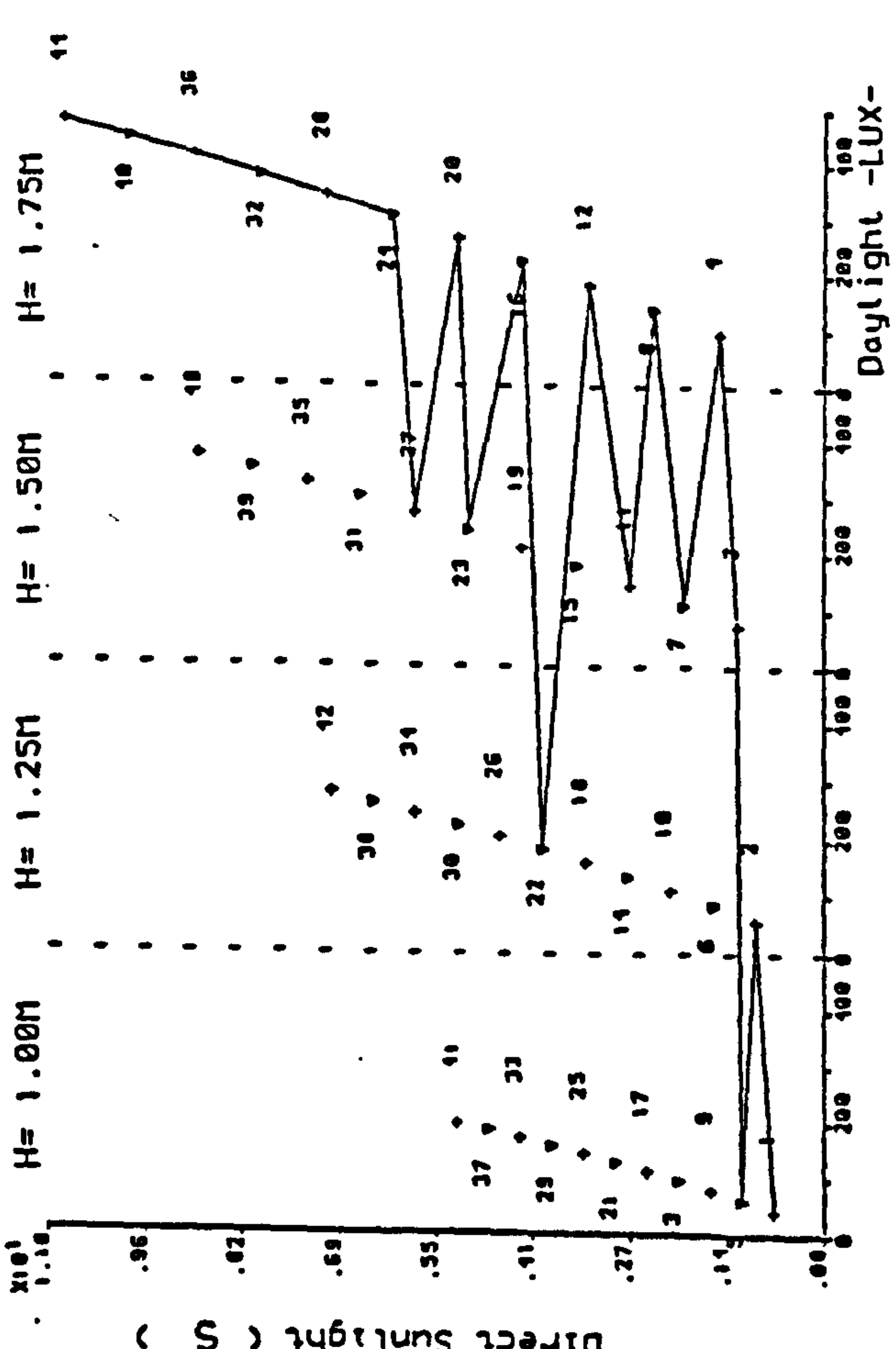
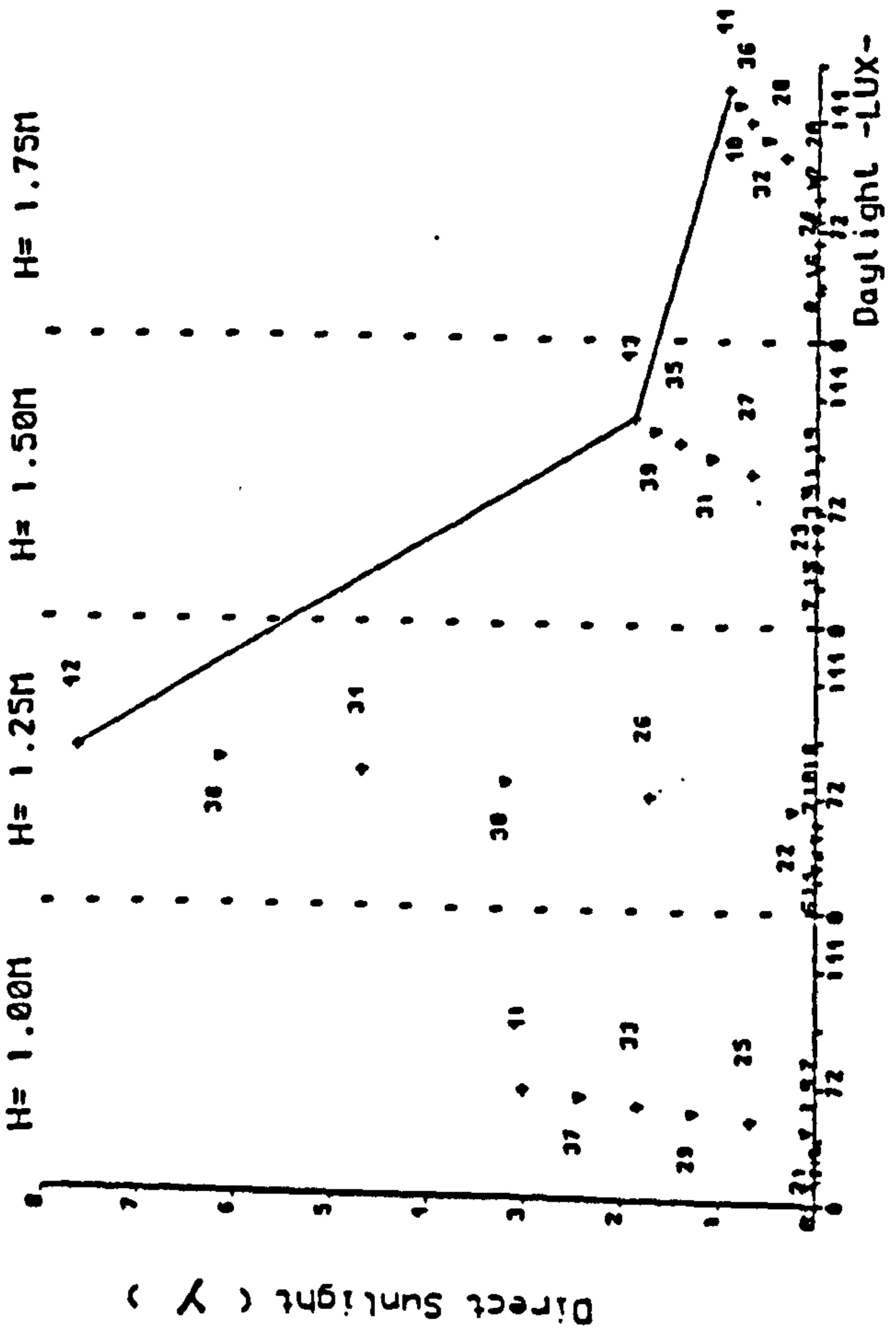
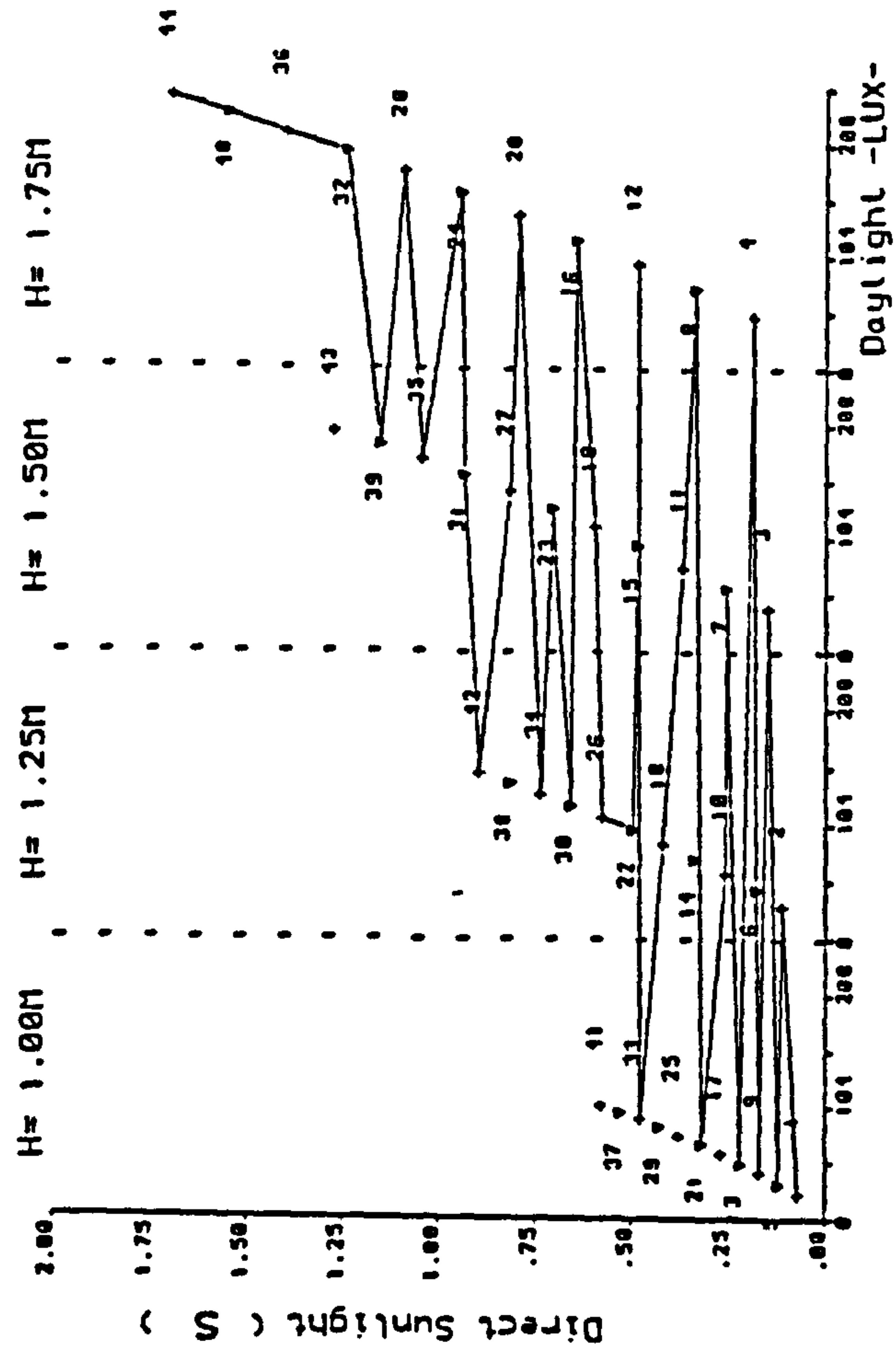
GROUND FLOOR PLAN

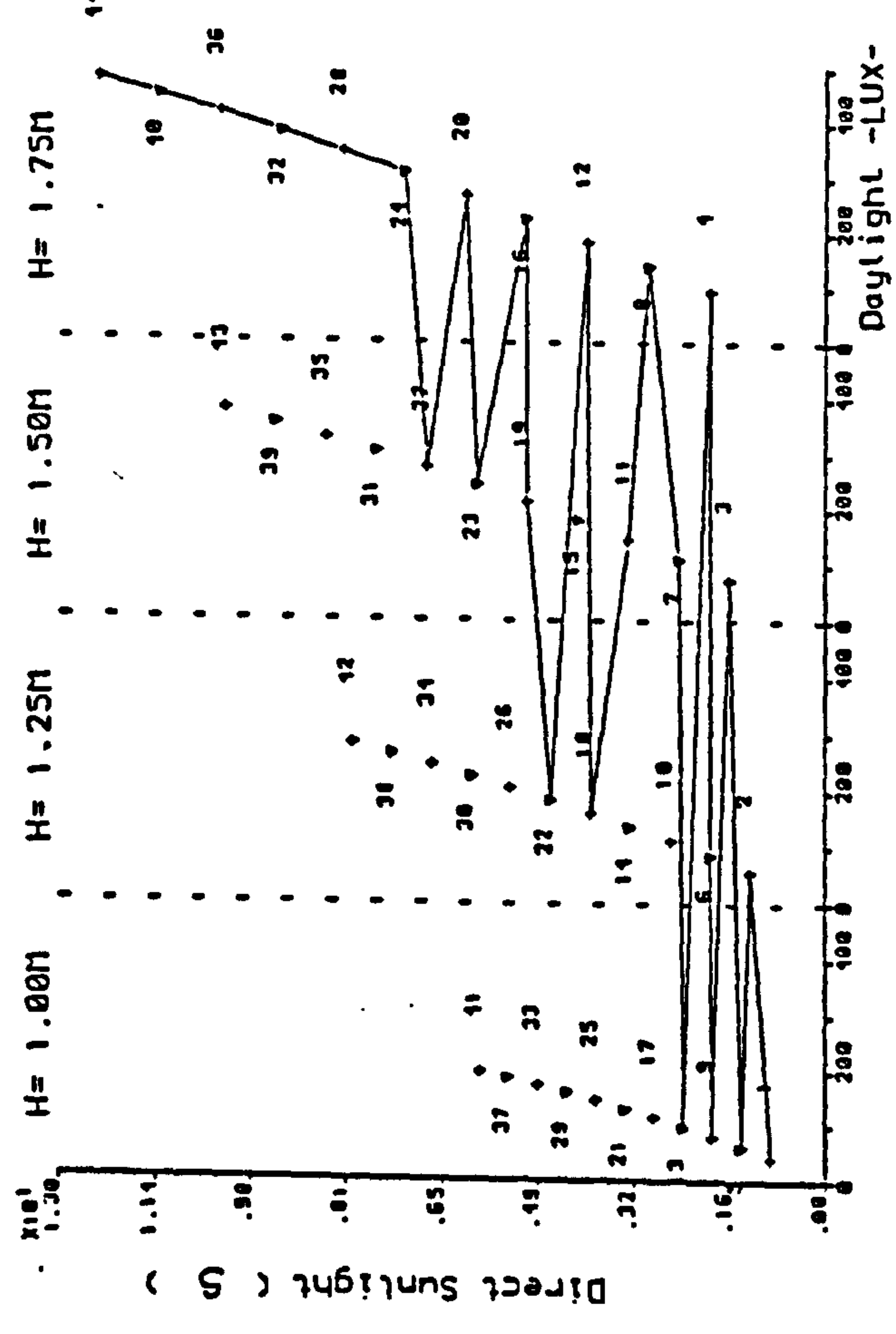
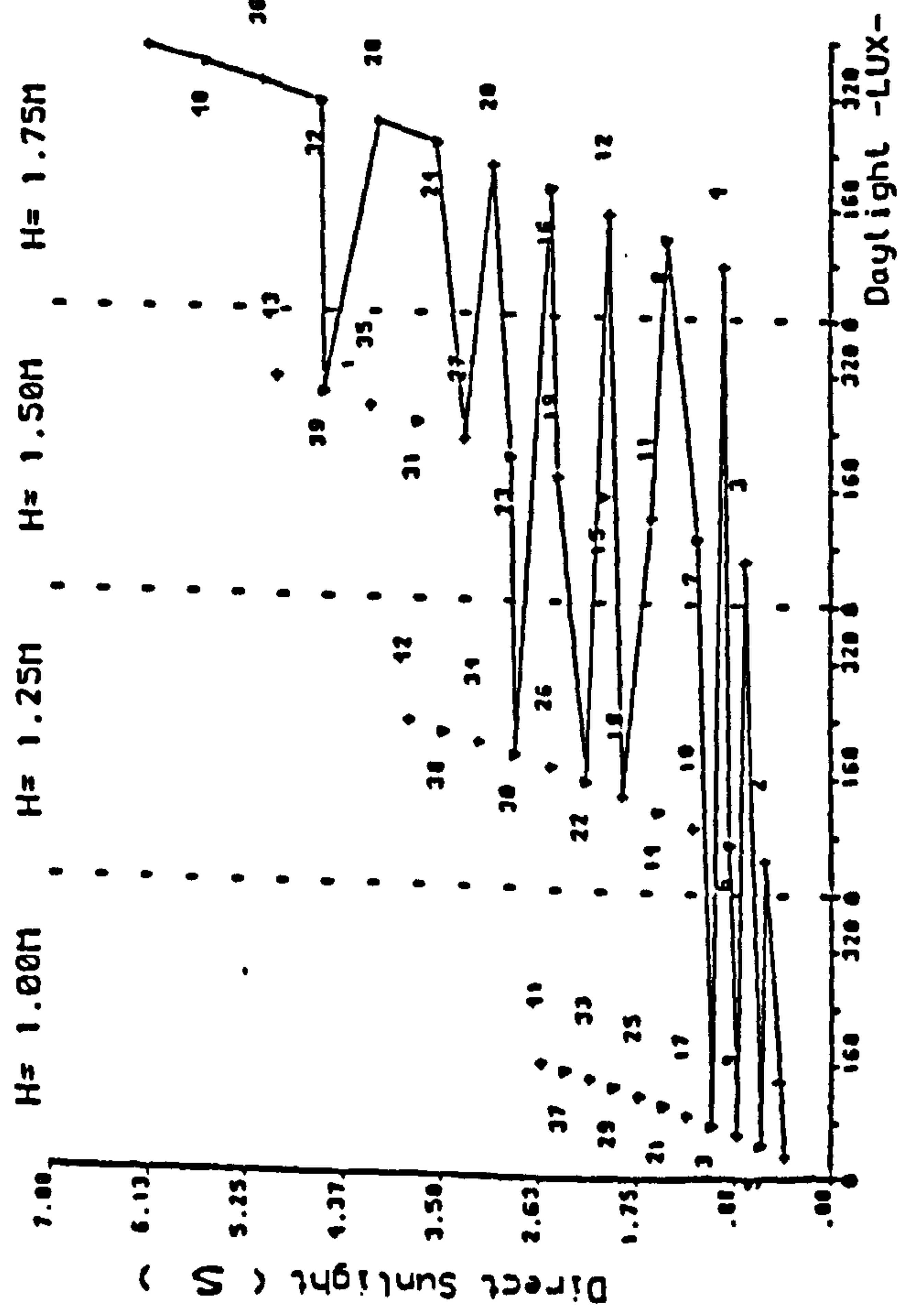
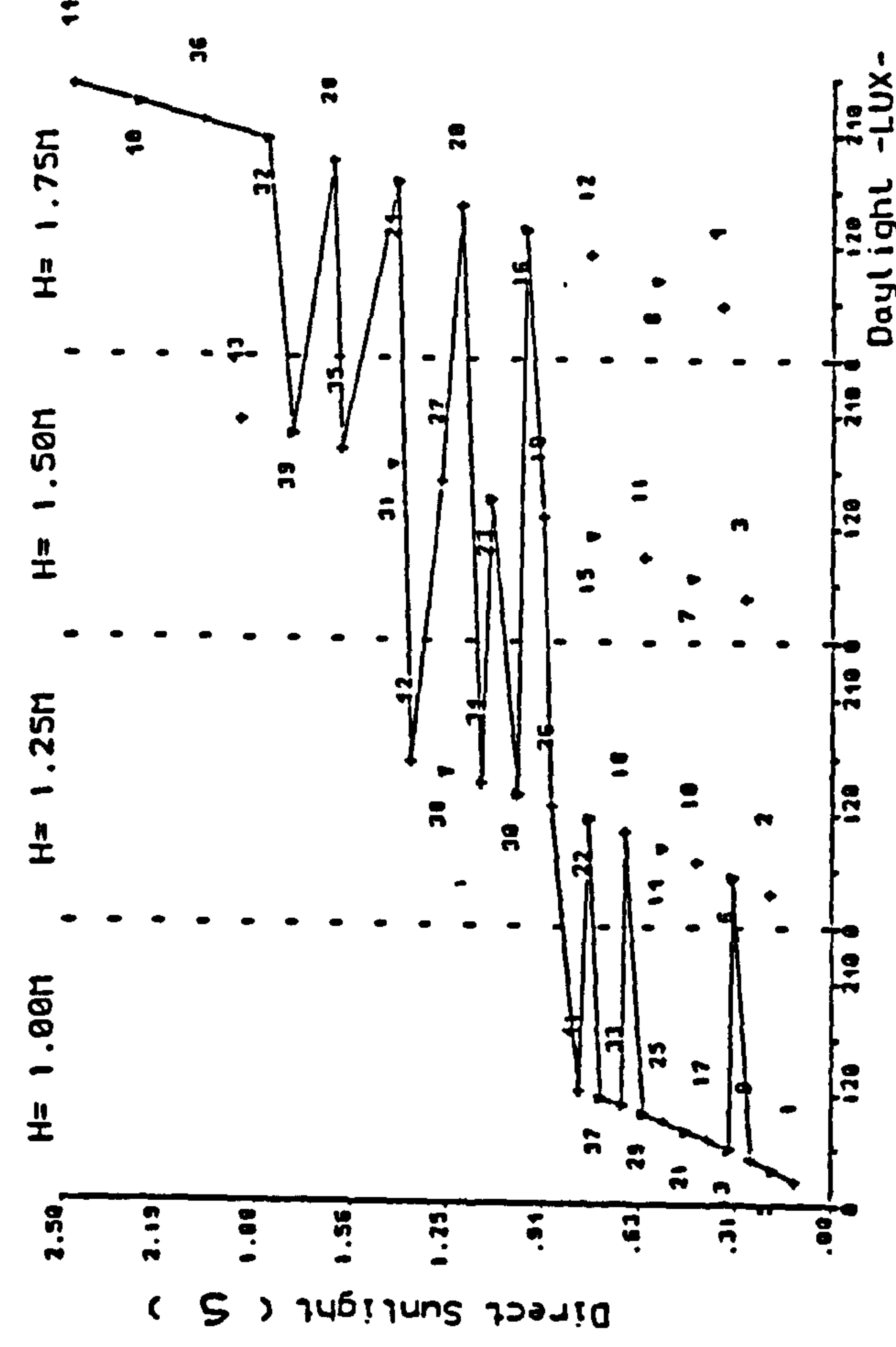
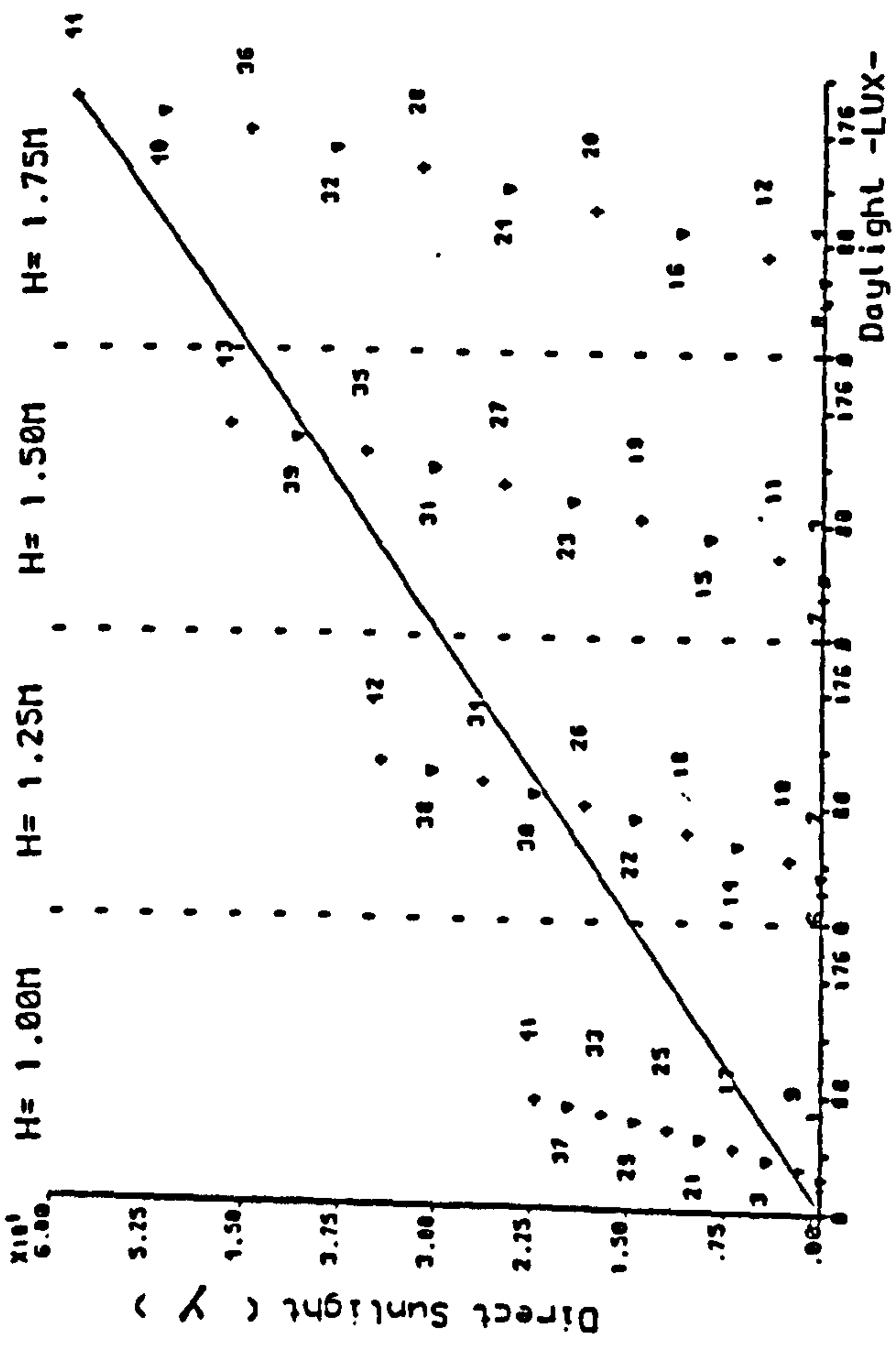








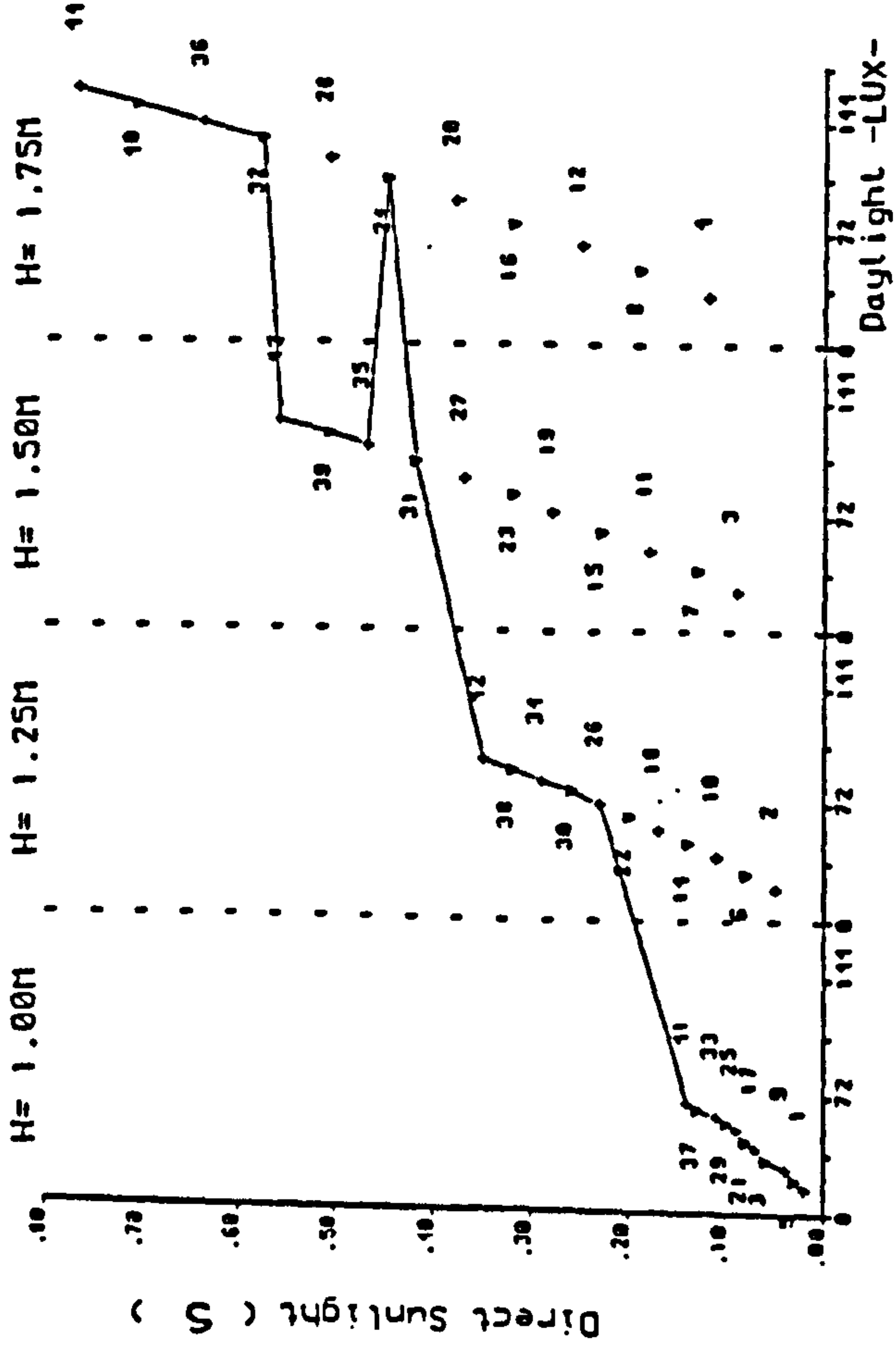




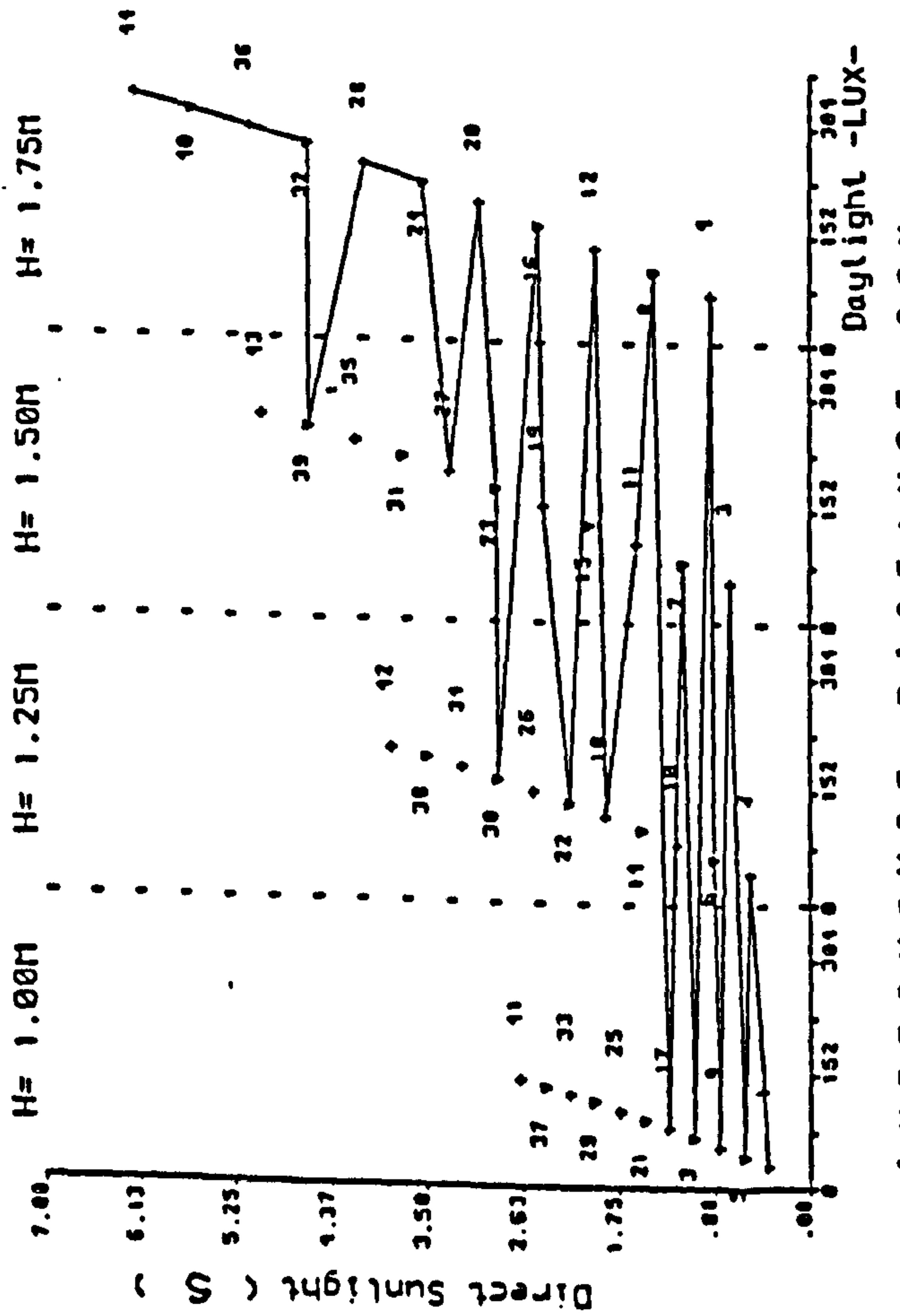
INTERHOUSE DISTANCE - 3.0M -

INTERHOUSE DISTANCE - 4.0M -

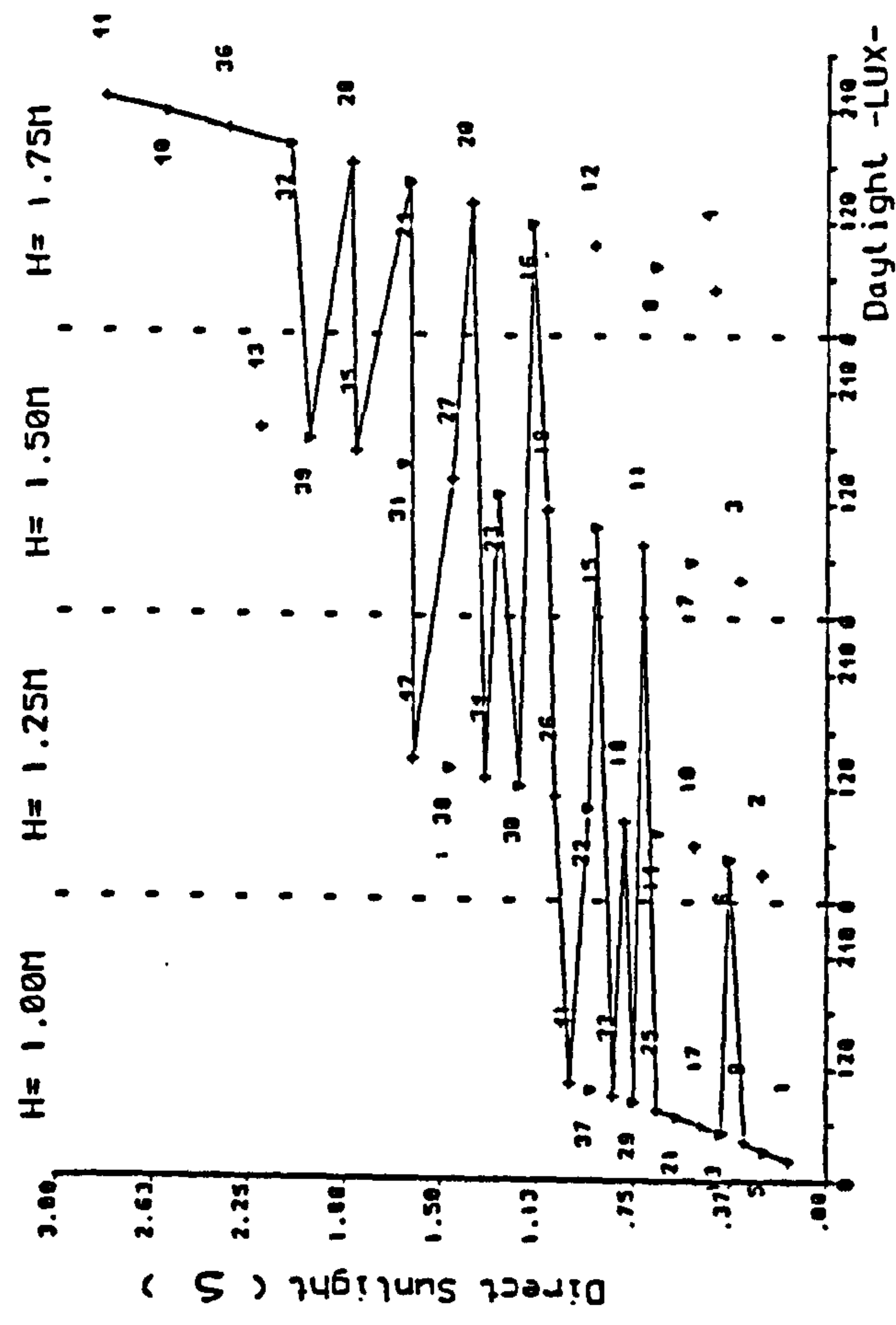




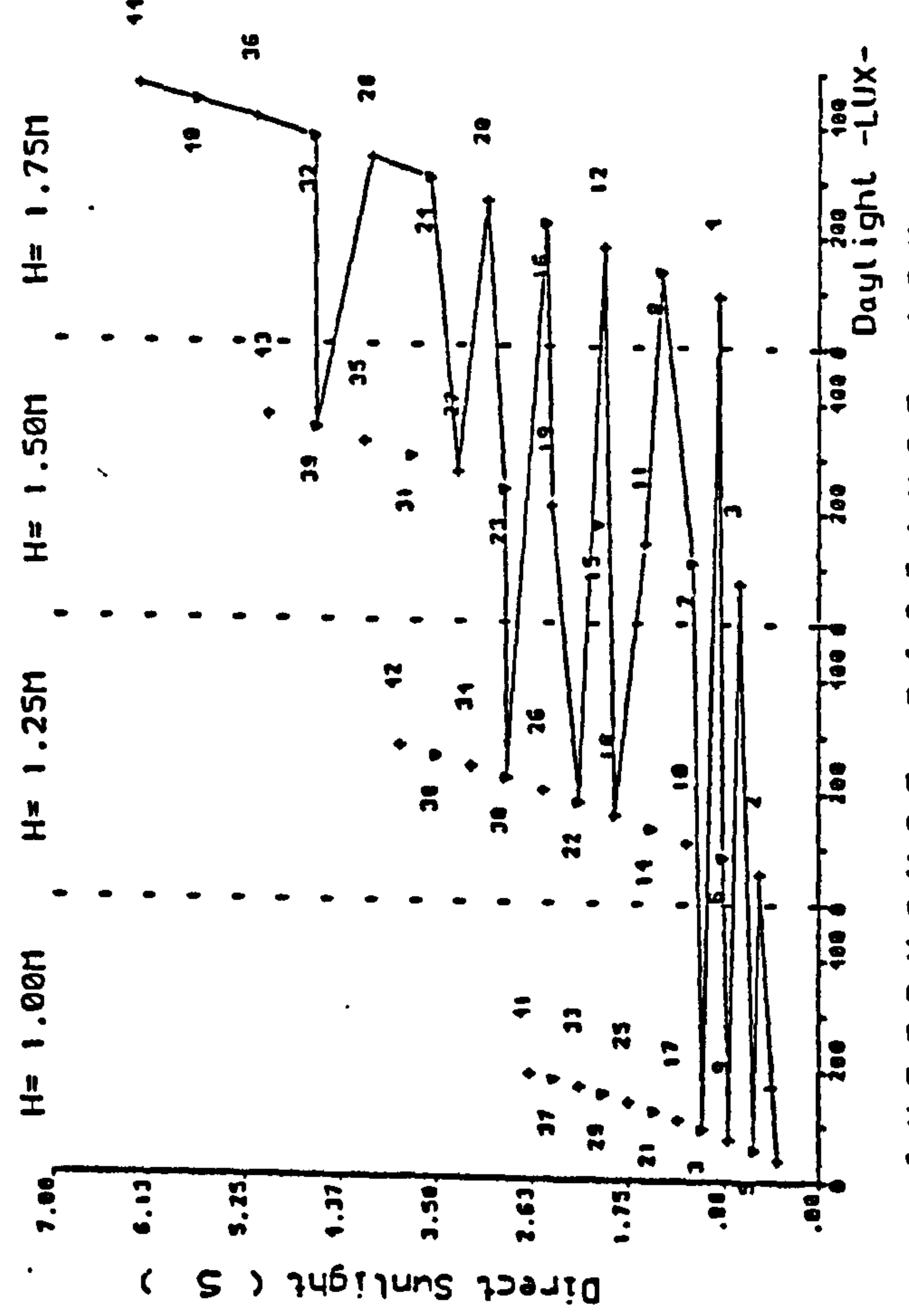
INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 3.0 M -

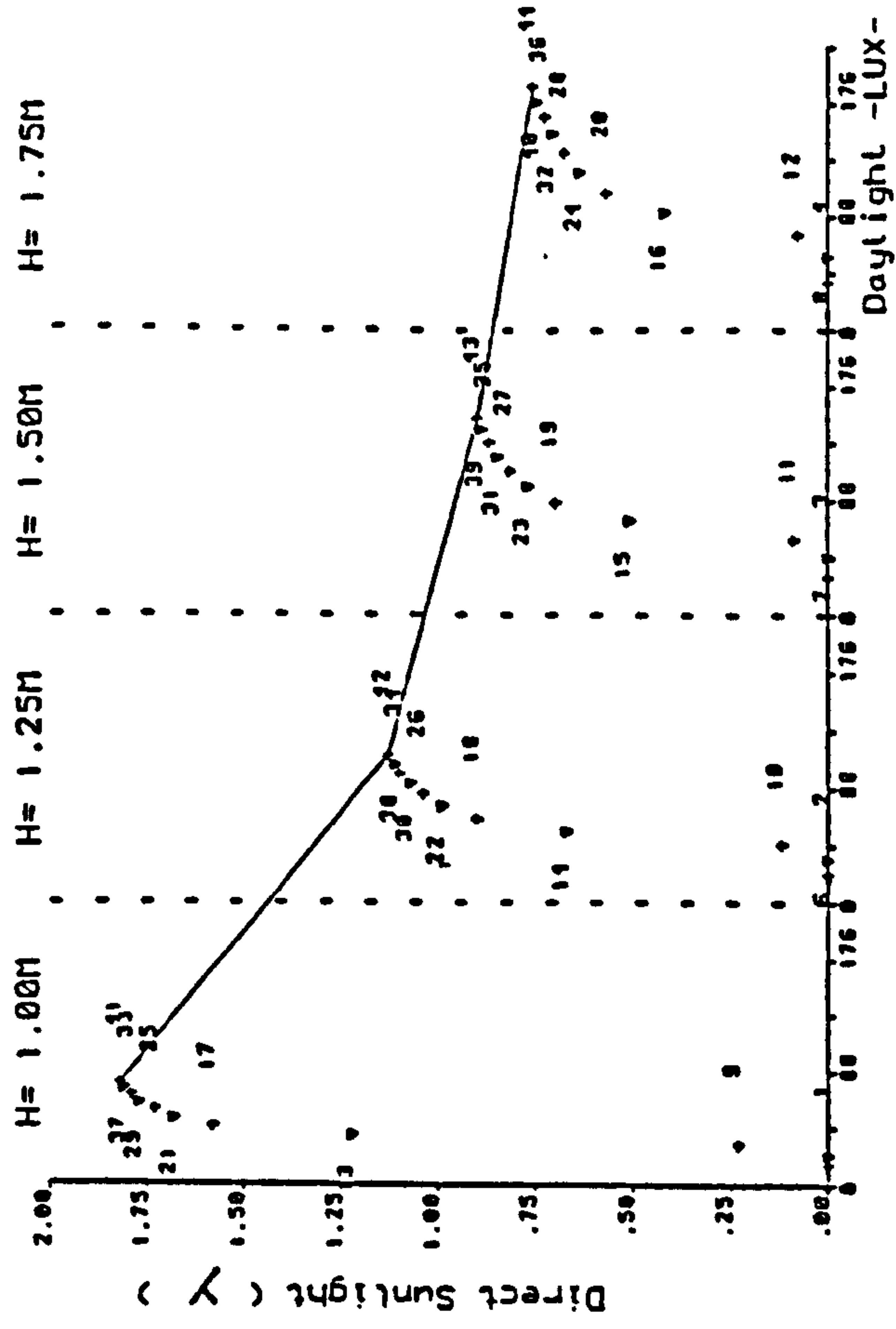


INTERHOUSE DISTANCE - 2.0 M -

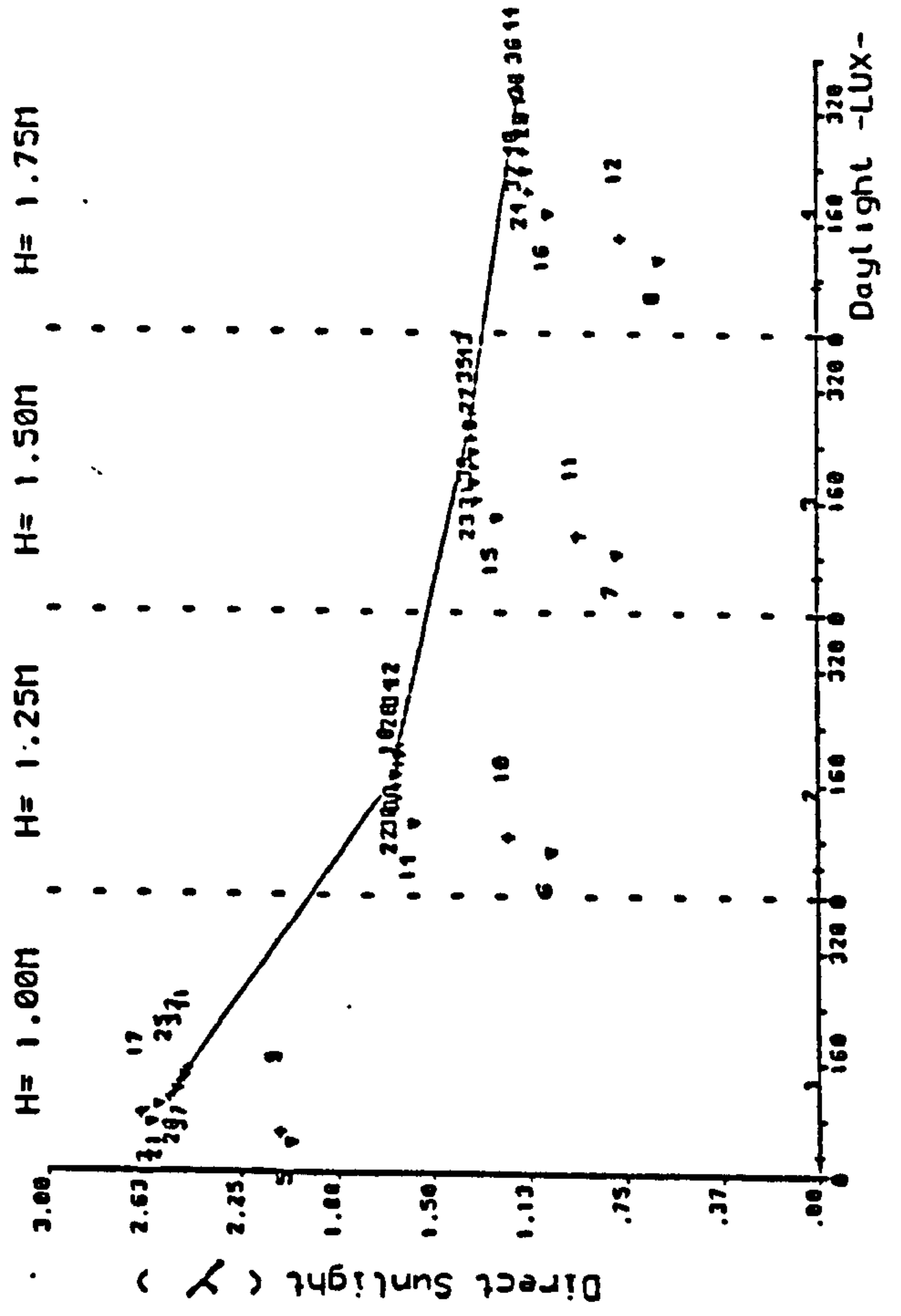


INTERHOUSE DISTANCE - 1.0 M -

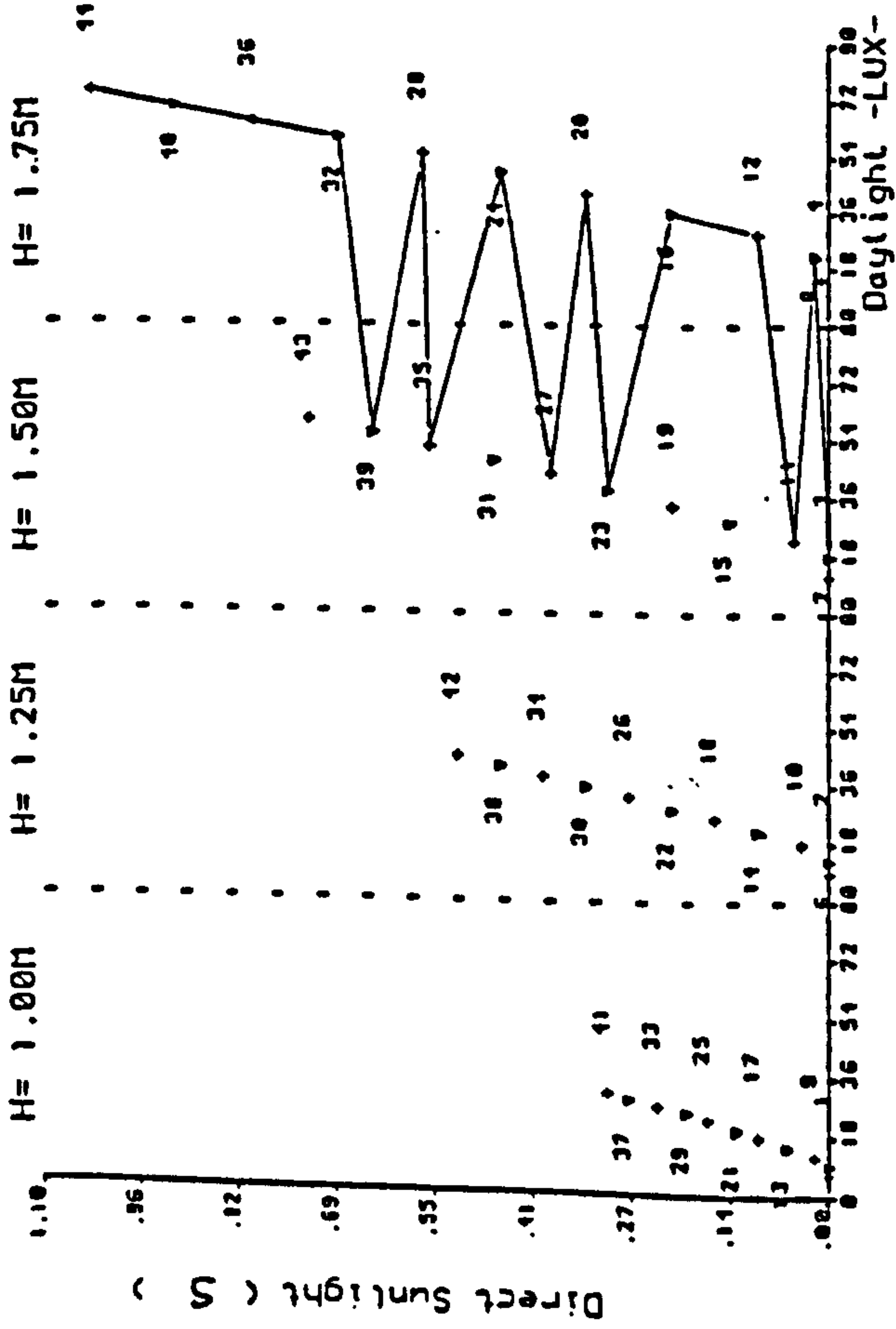




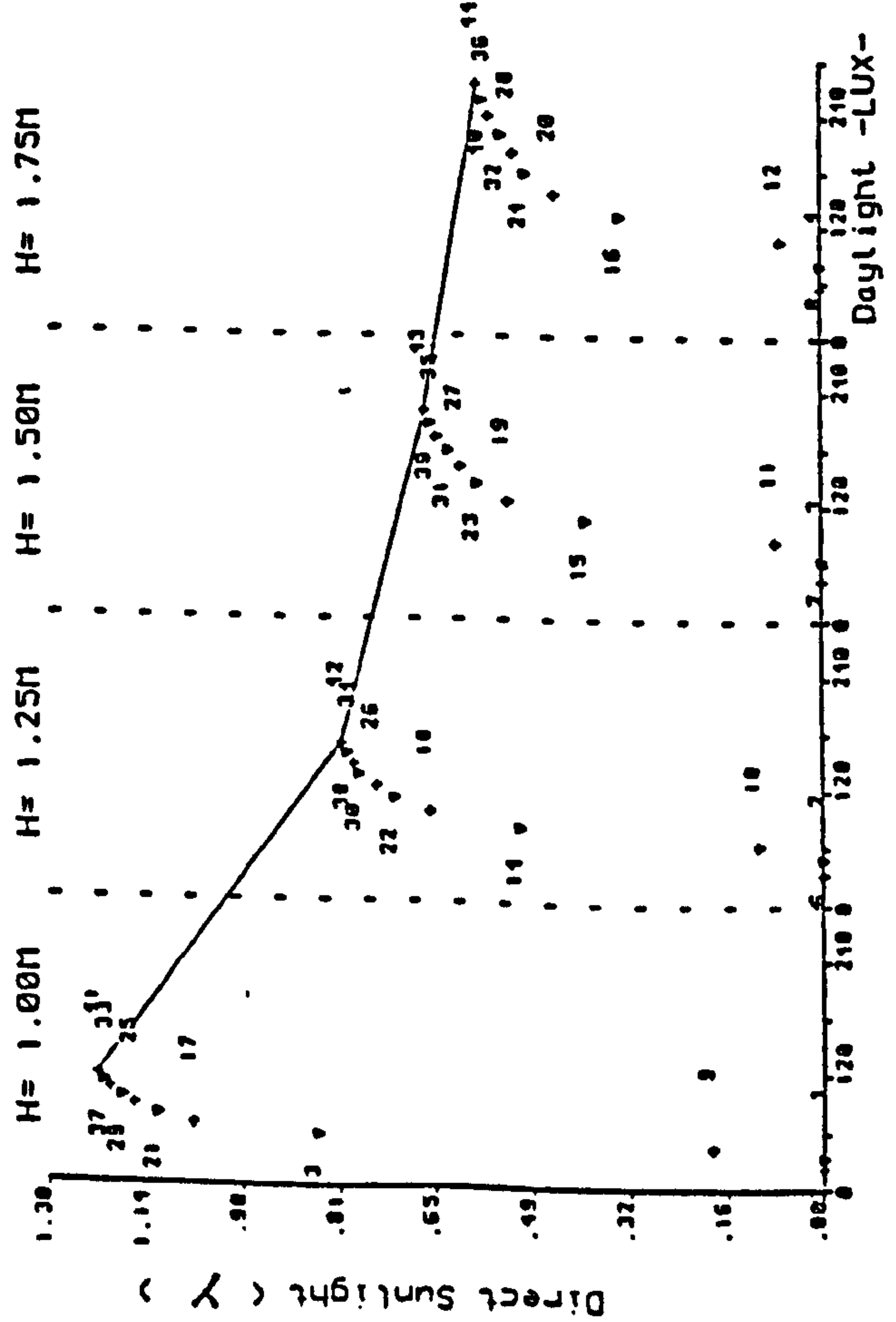
INTERHOUSE DISTANCE - 2.0 M -



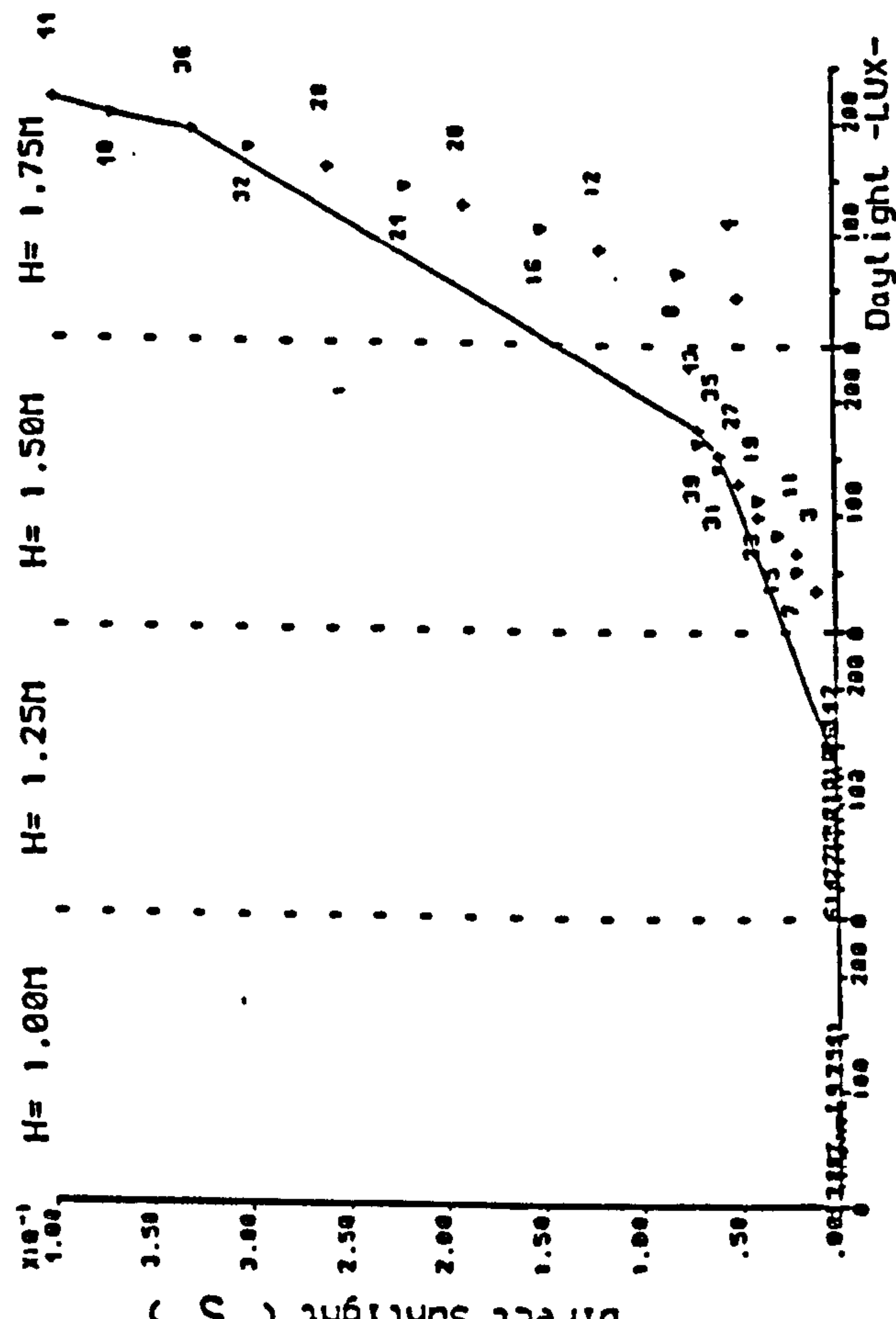
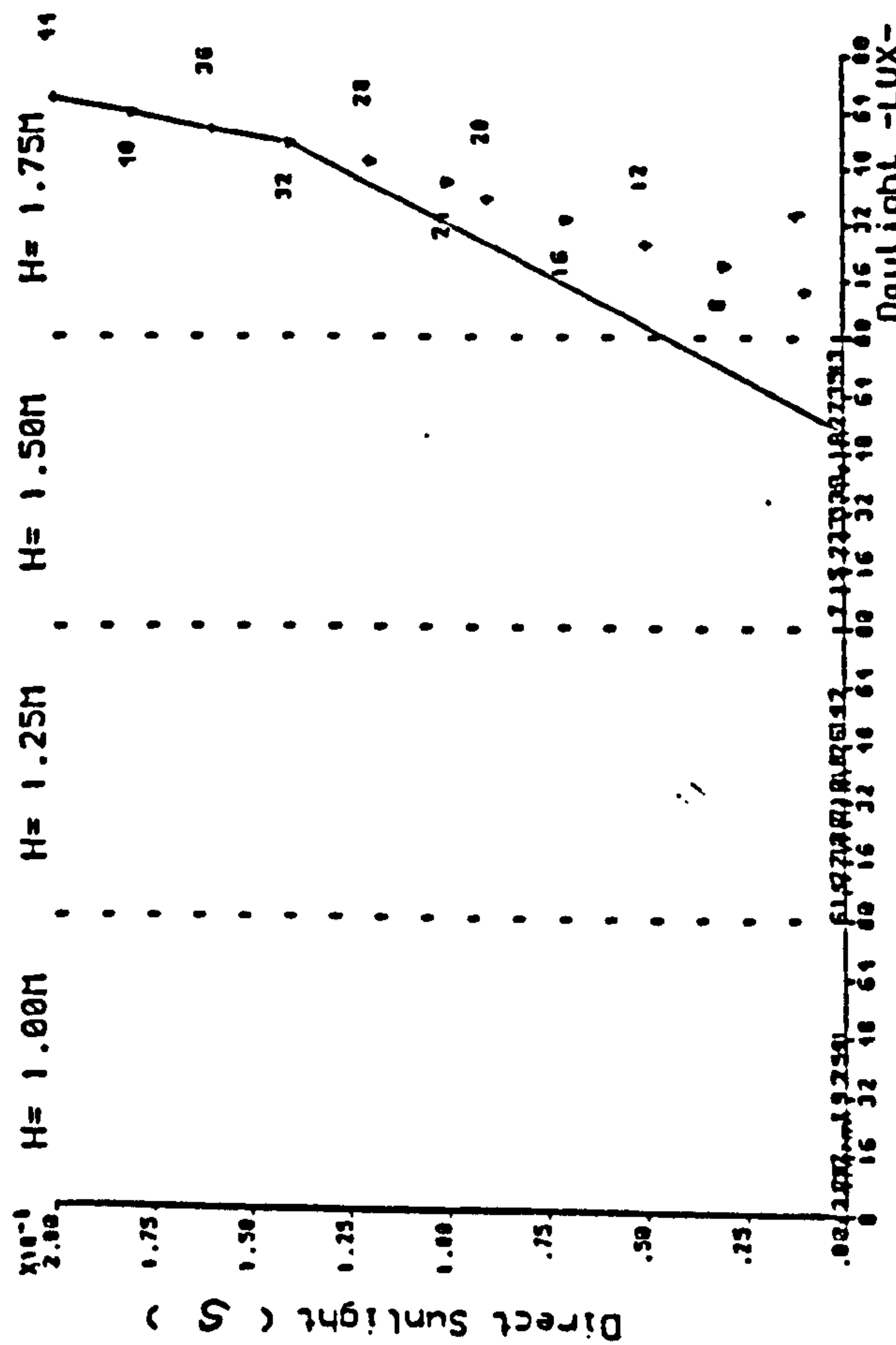
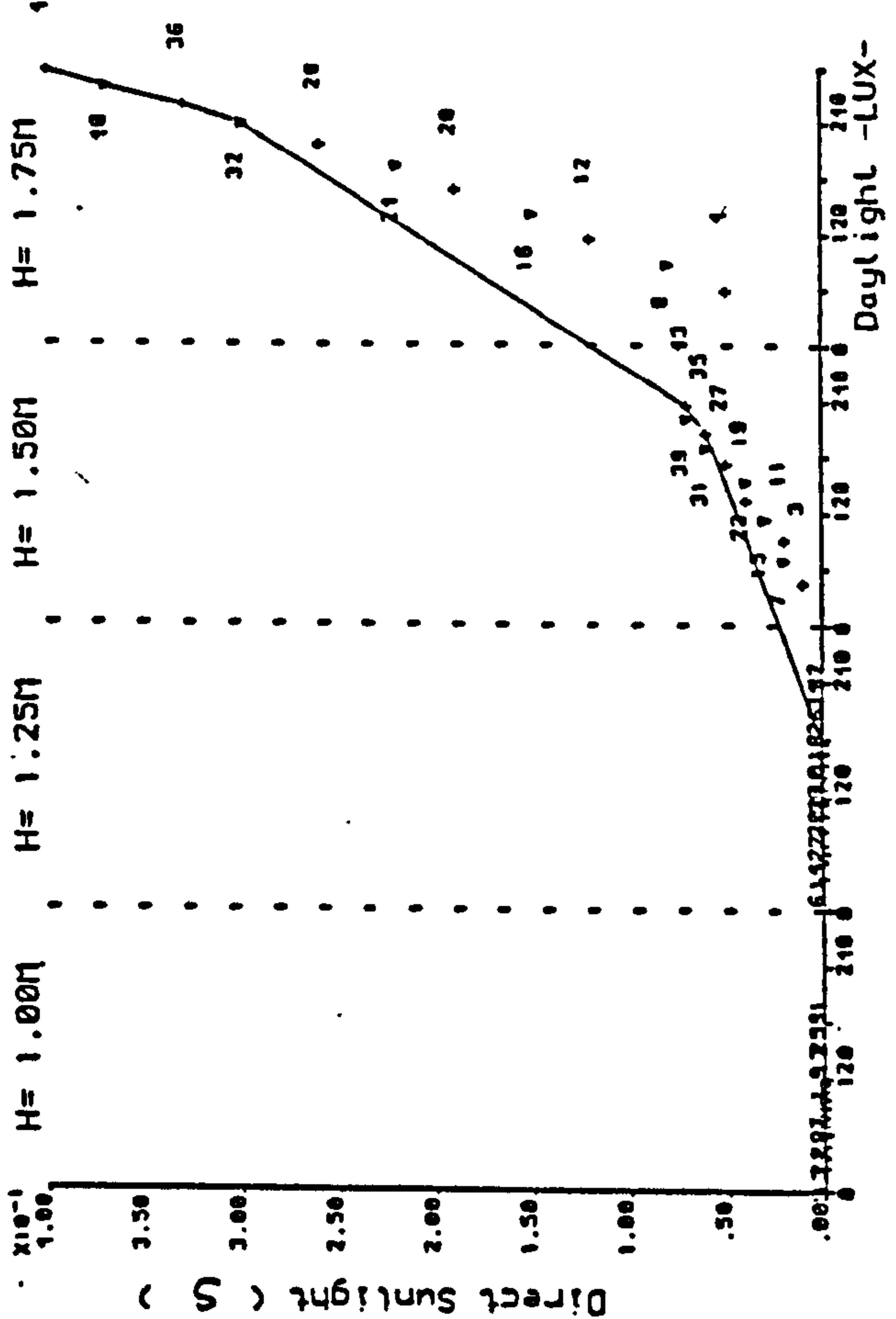
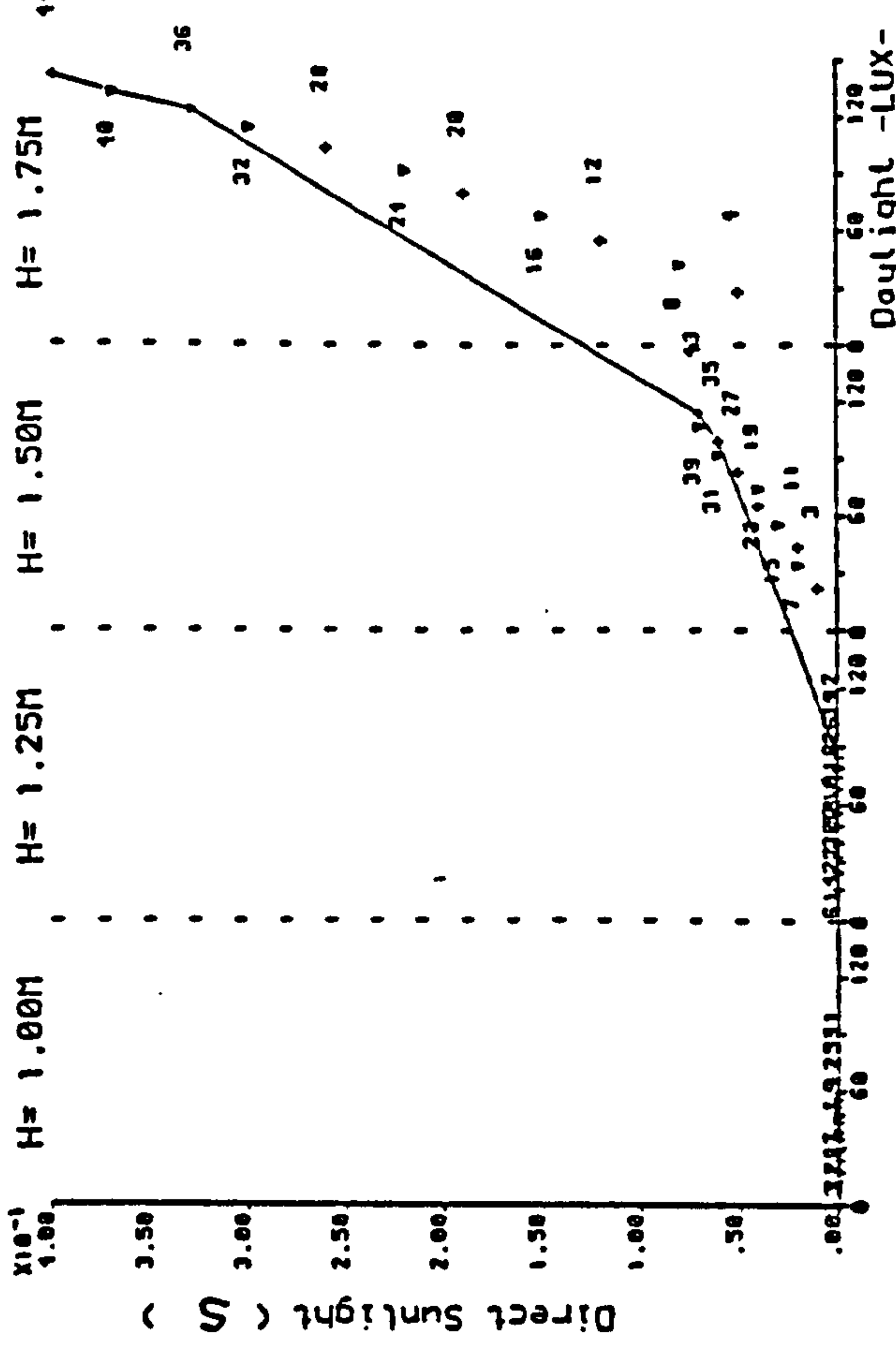
INTERHOUSE DISTANCE - 1.0 M -



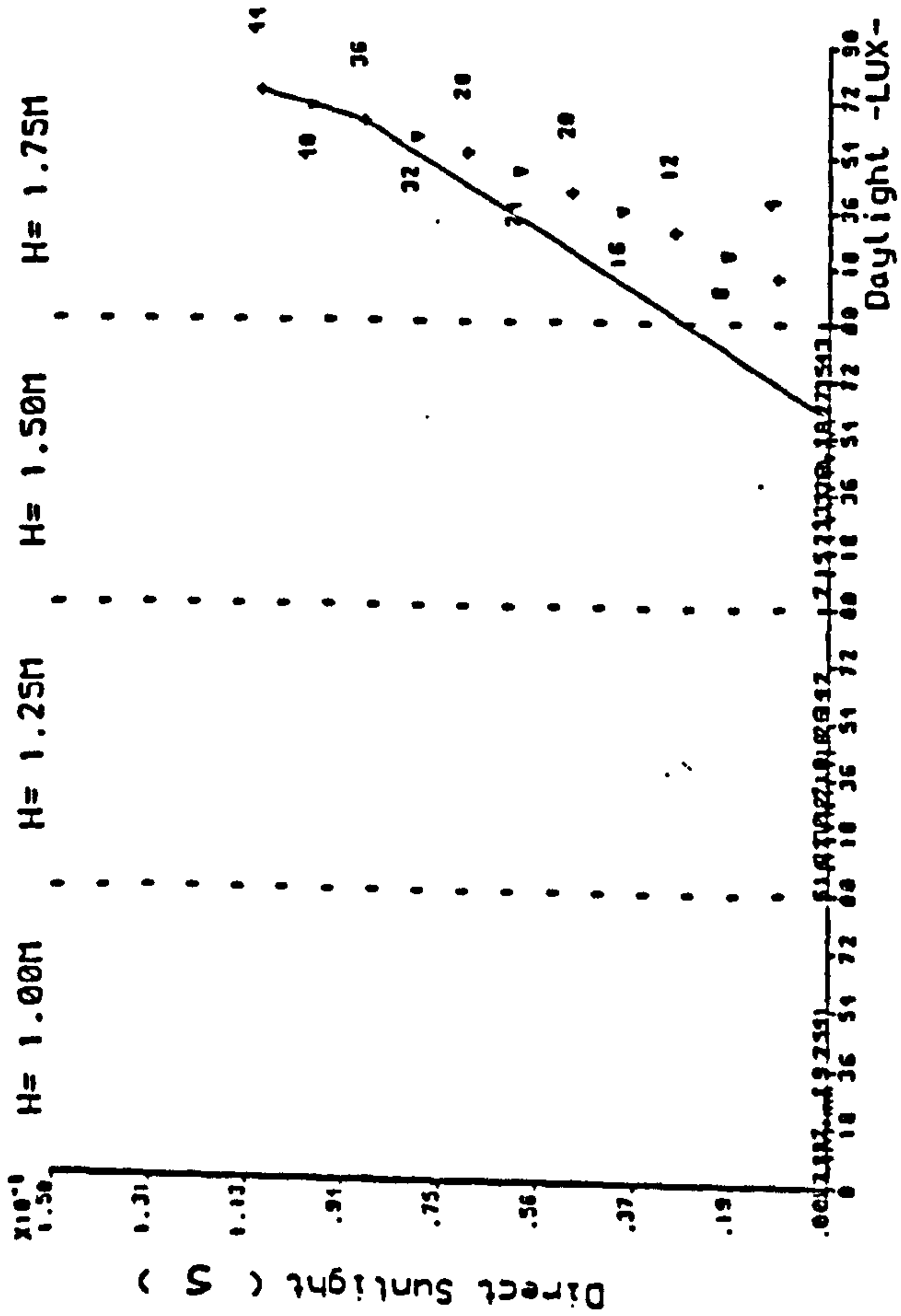
INTERHOUSE DISTANCE - 1.0 M -



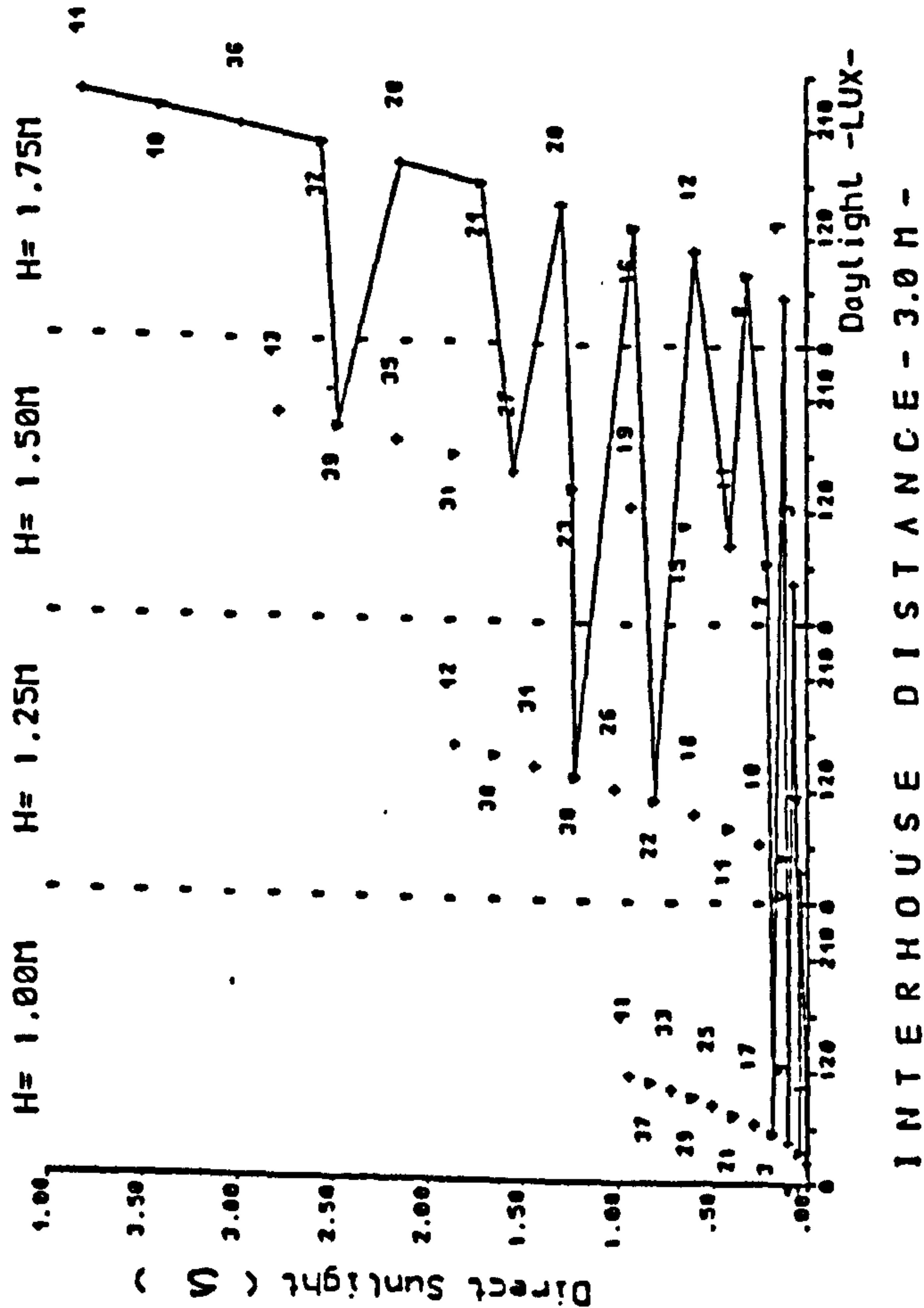
INTERHOUSE DISTANCE - 3.0 M -



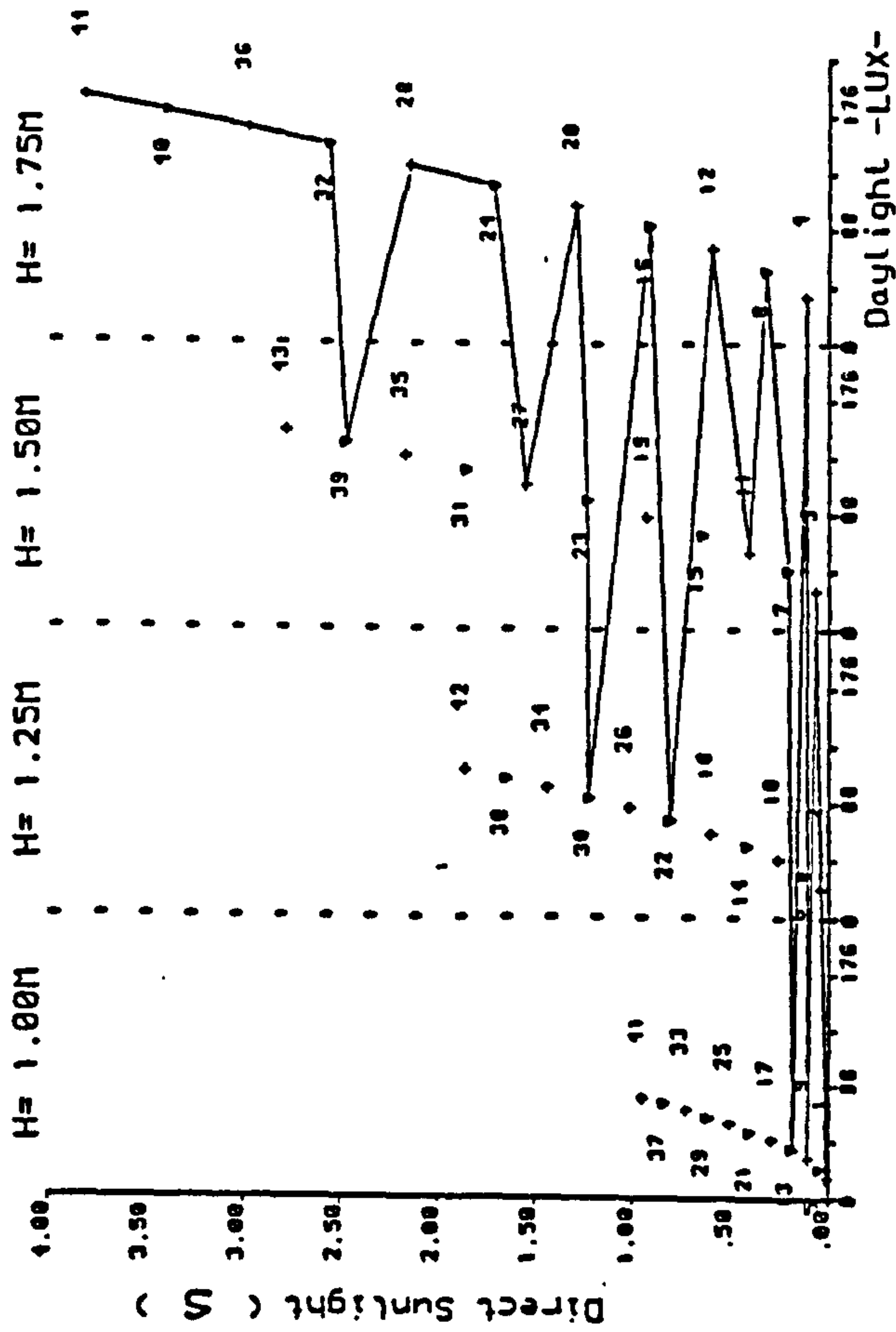




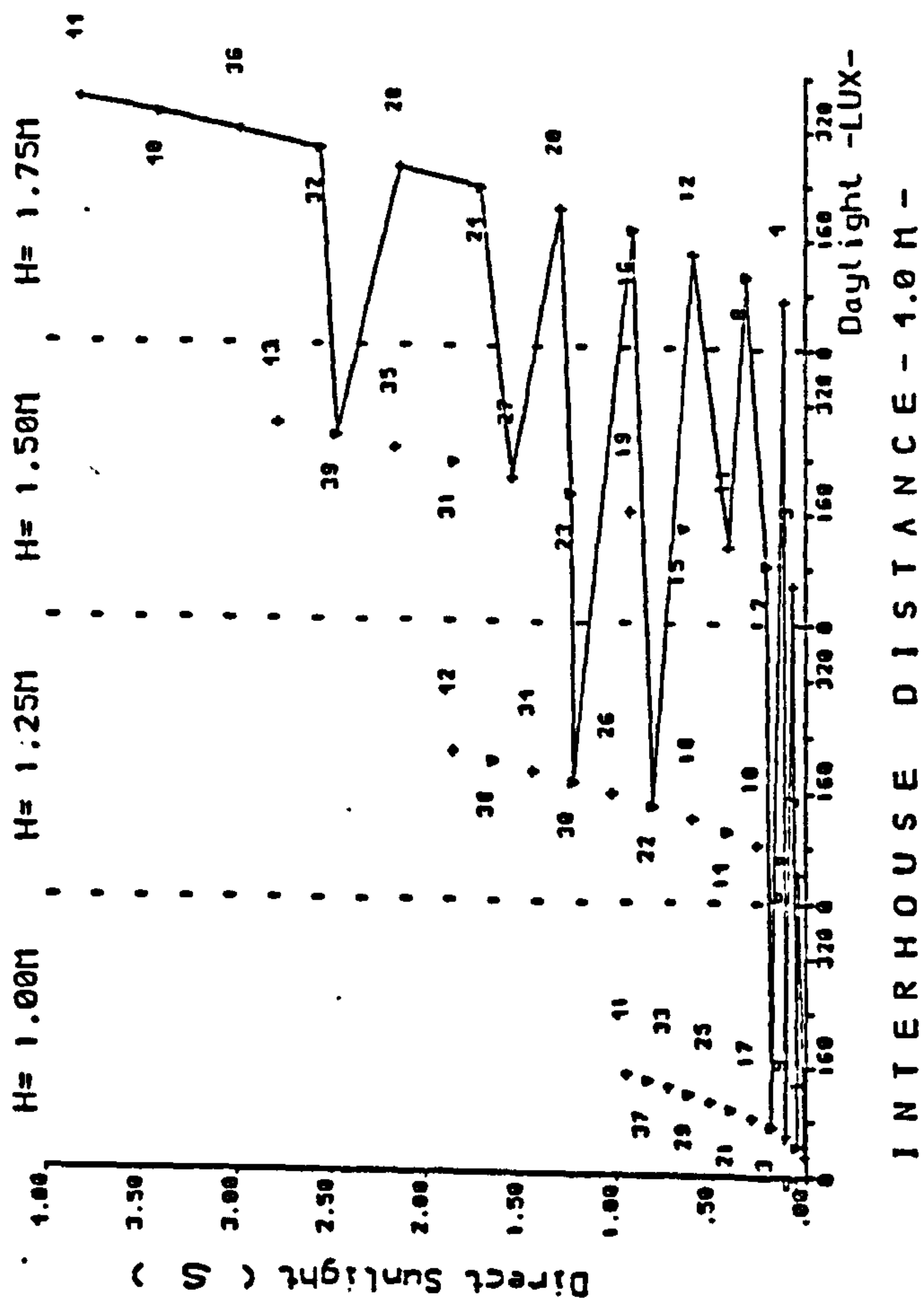
INTERHOUSE DISTANCE - 1.0 M -



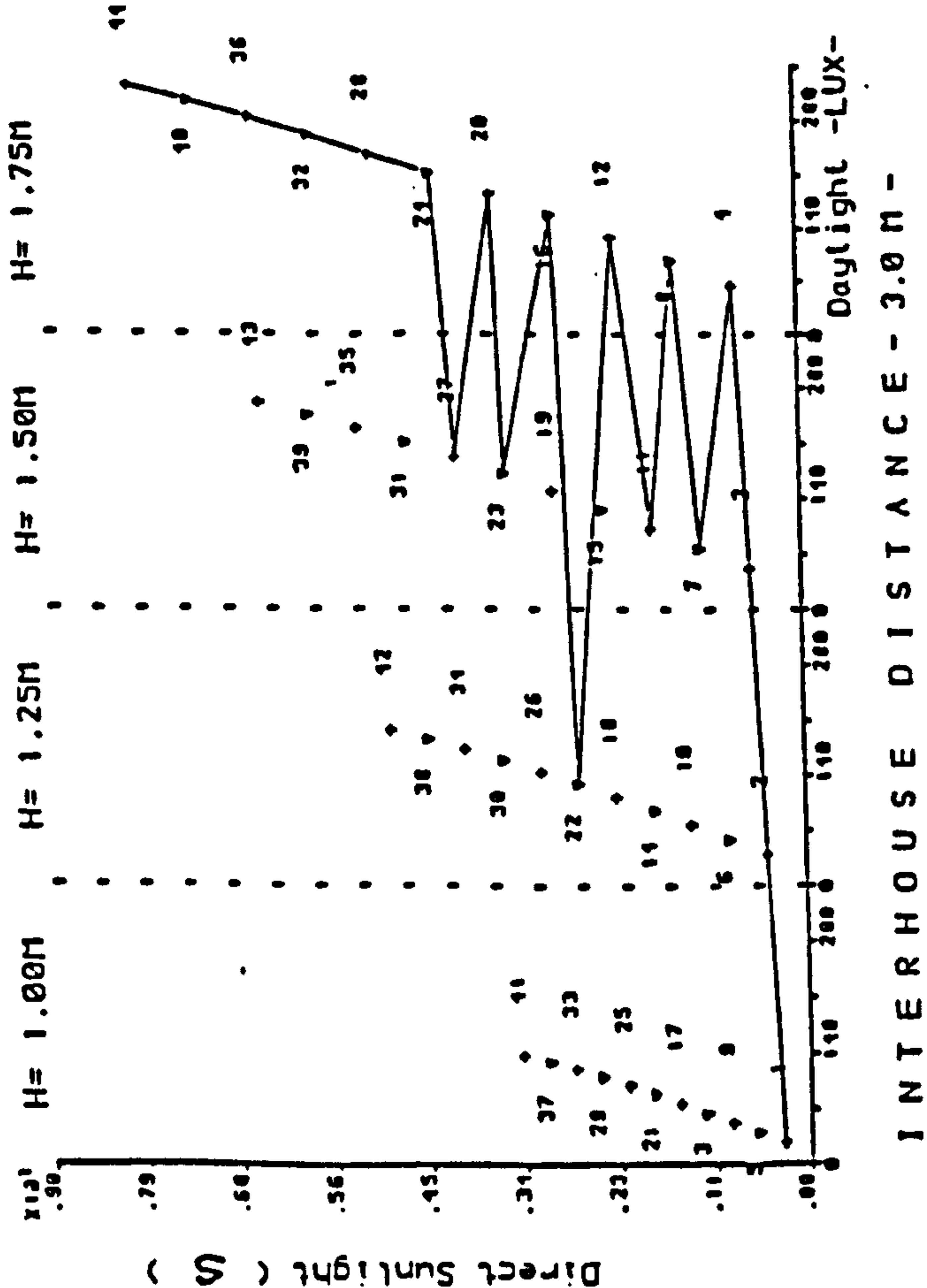
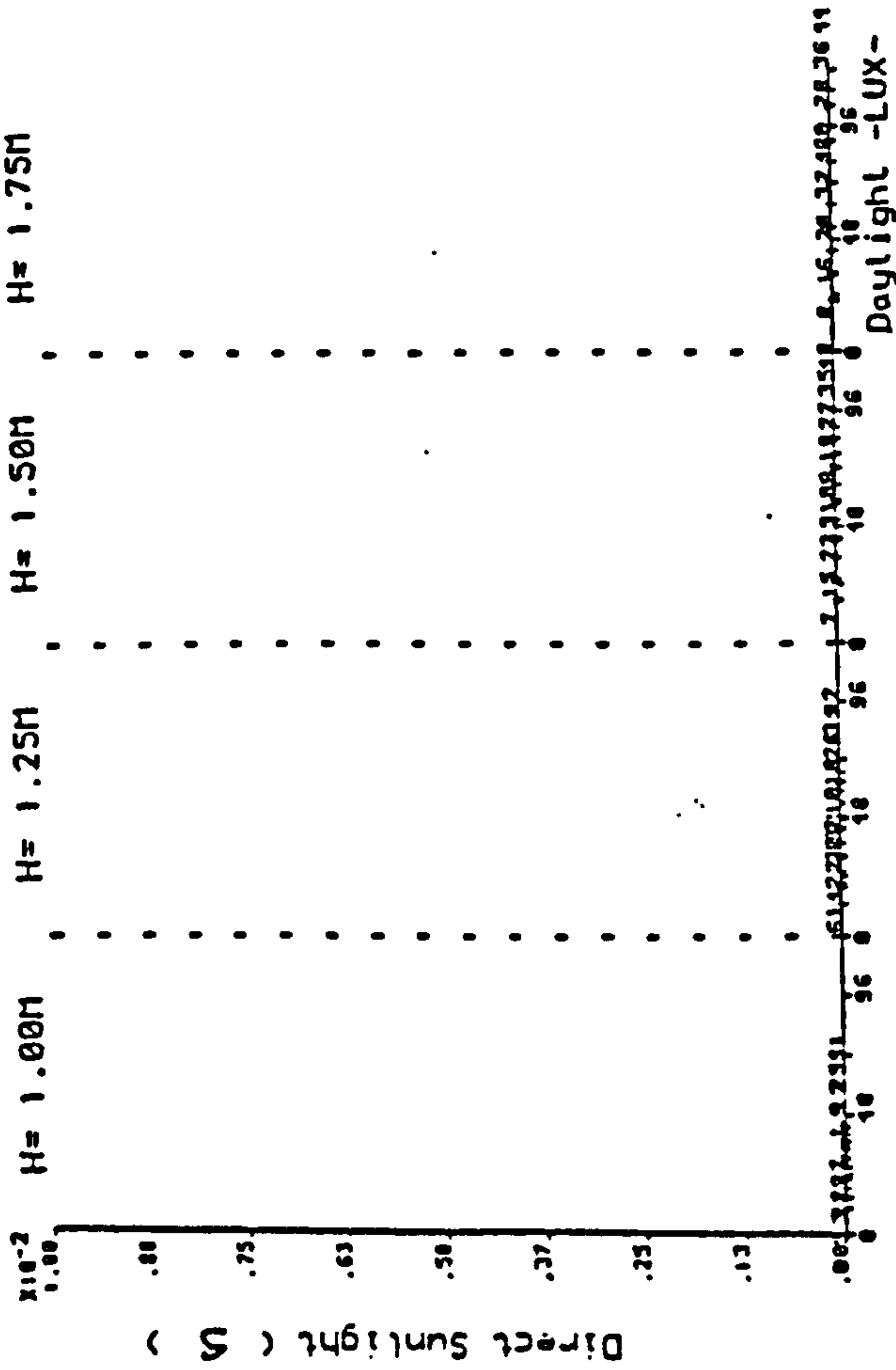
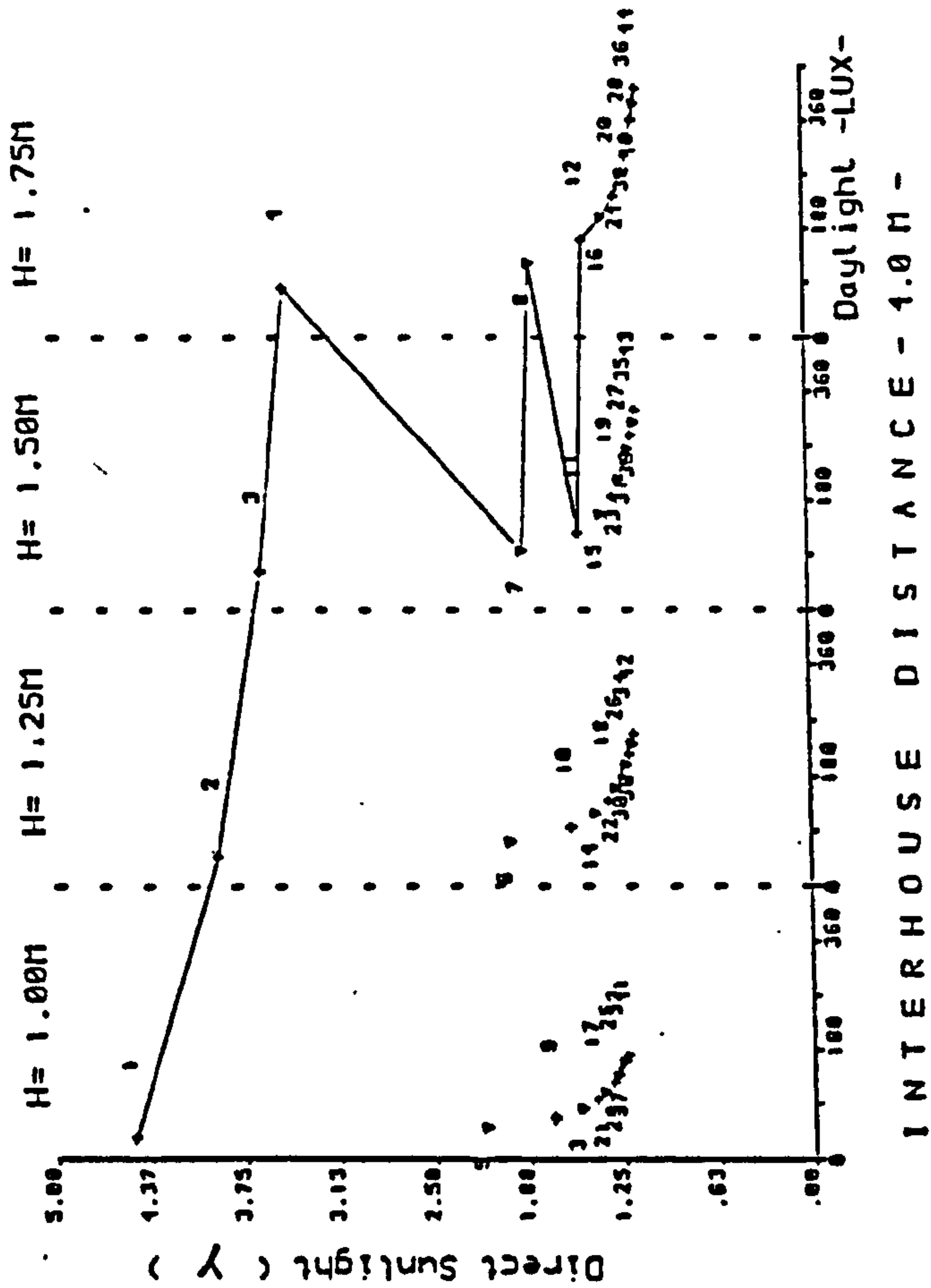
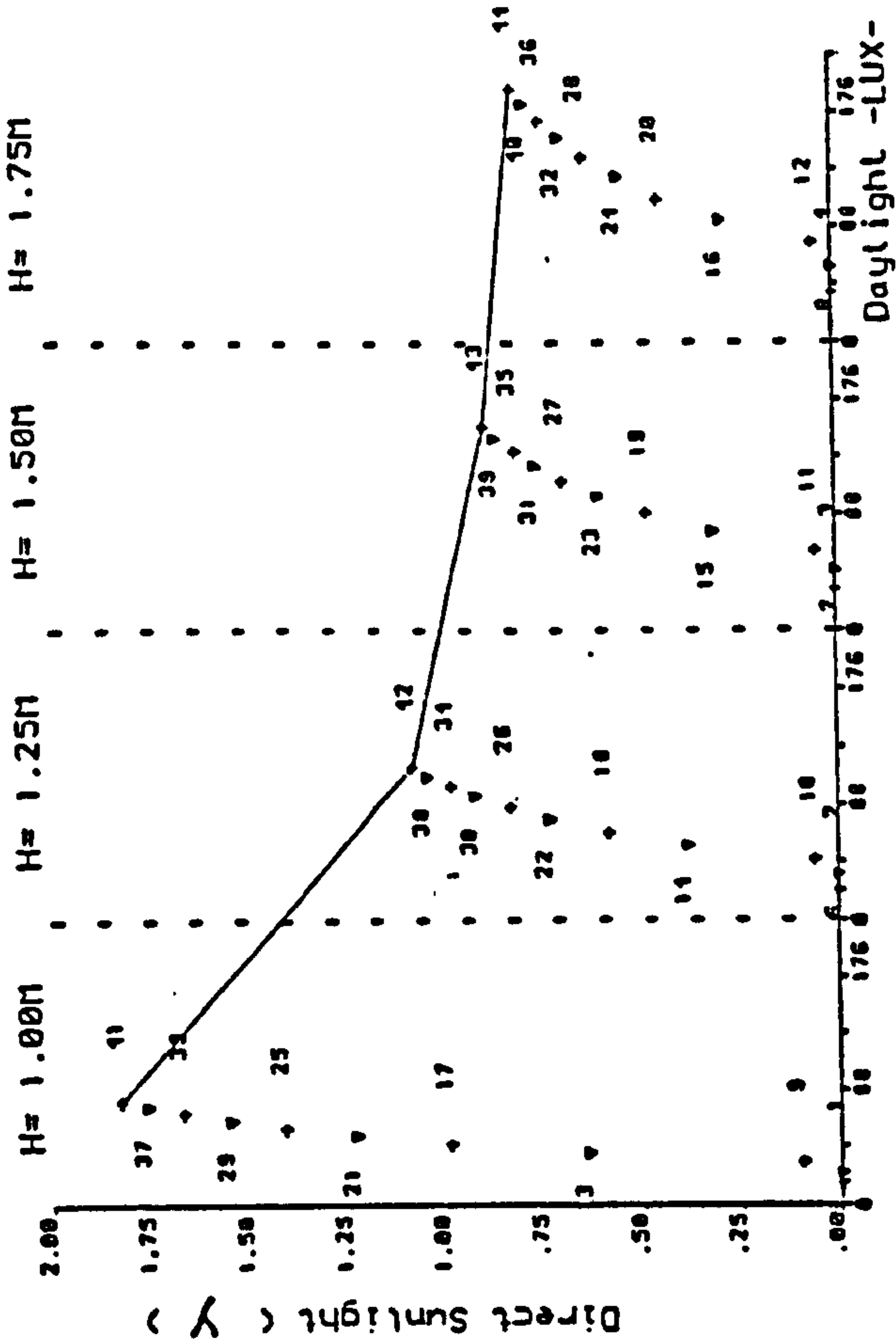
INTERHOUSE DISTANCE - 3.0 M -

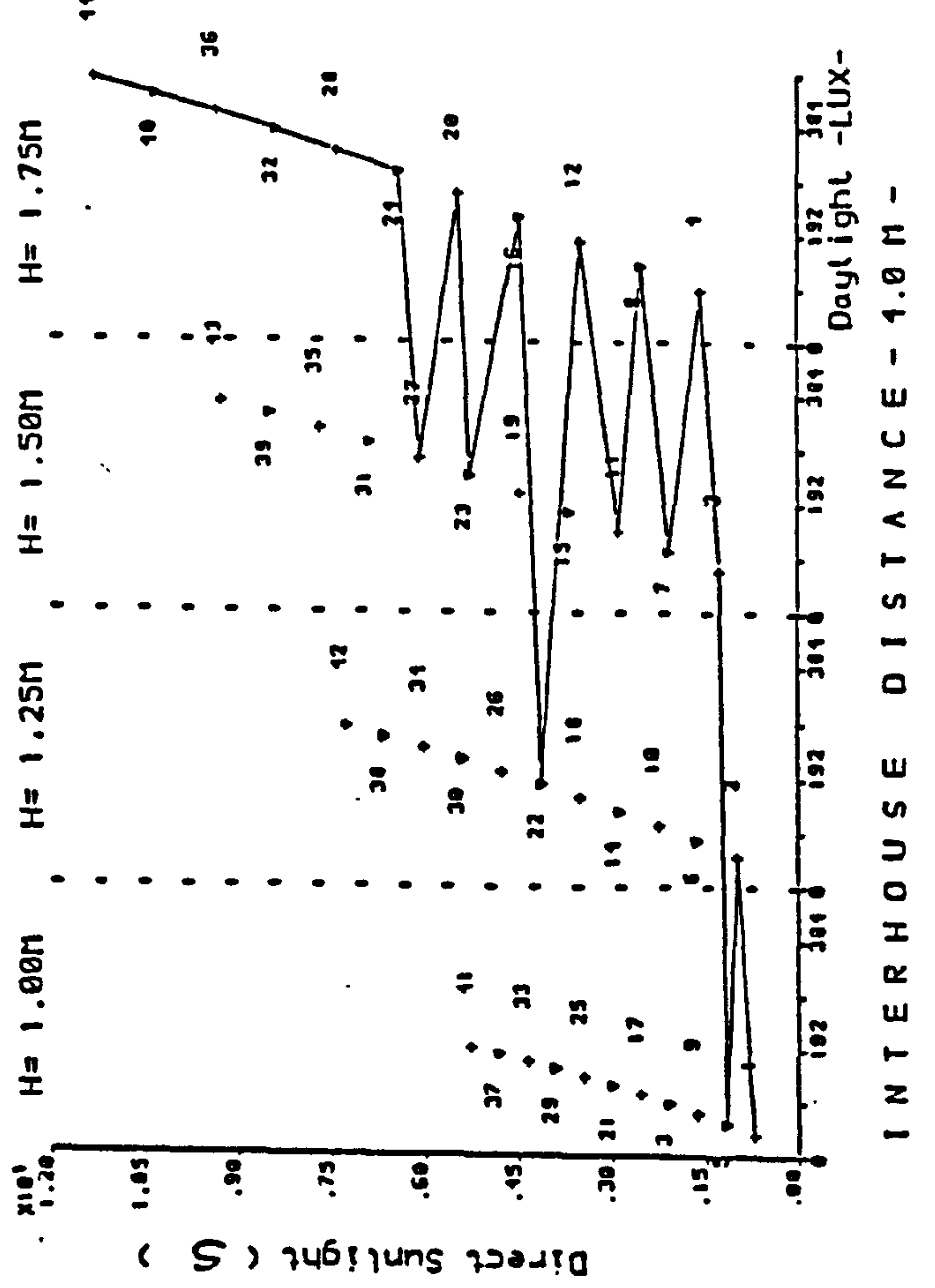
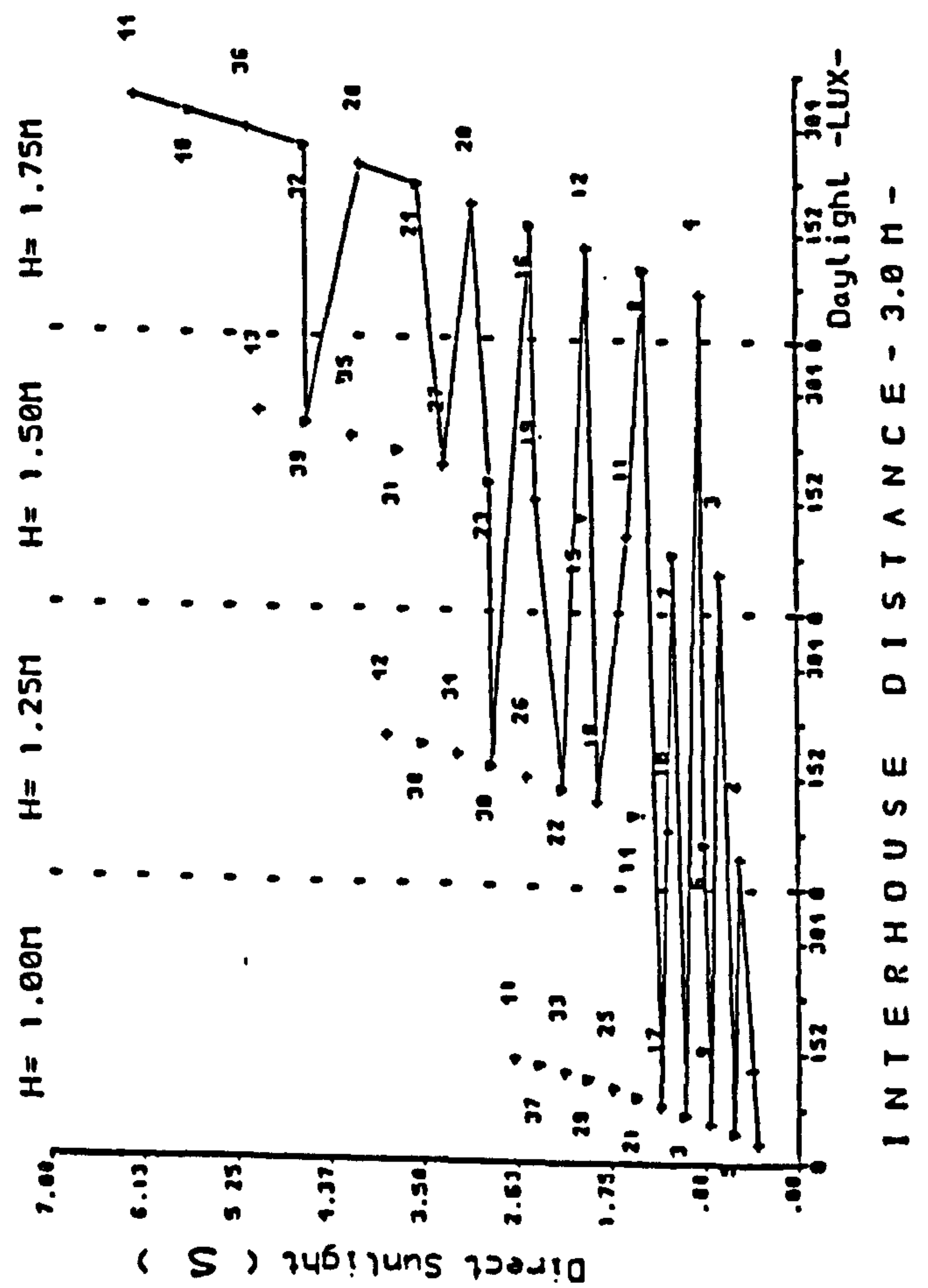
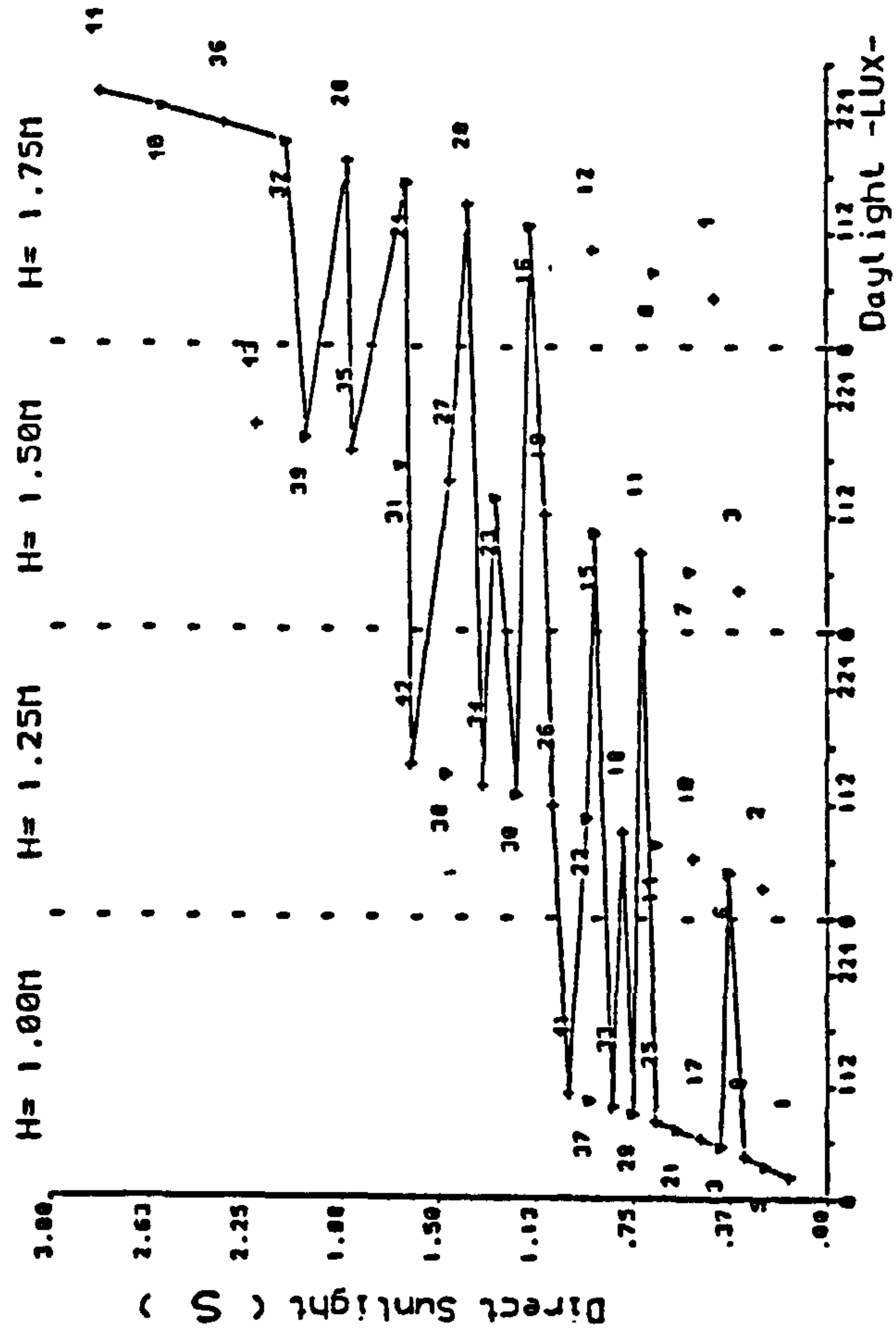
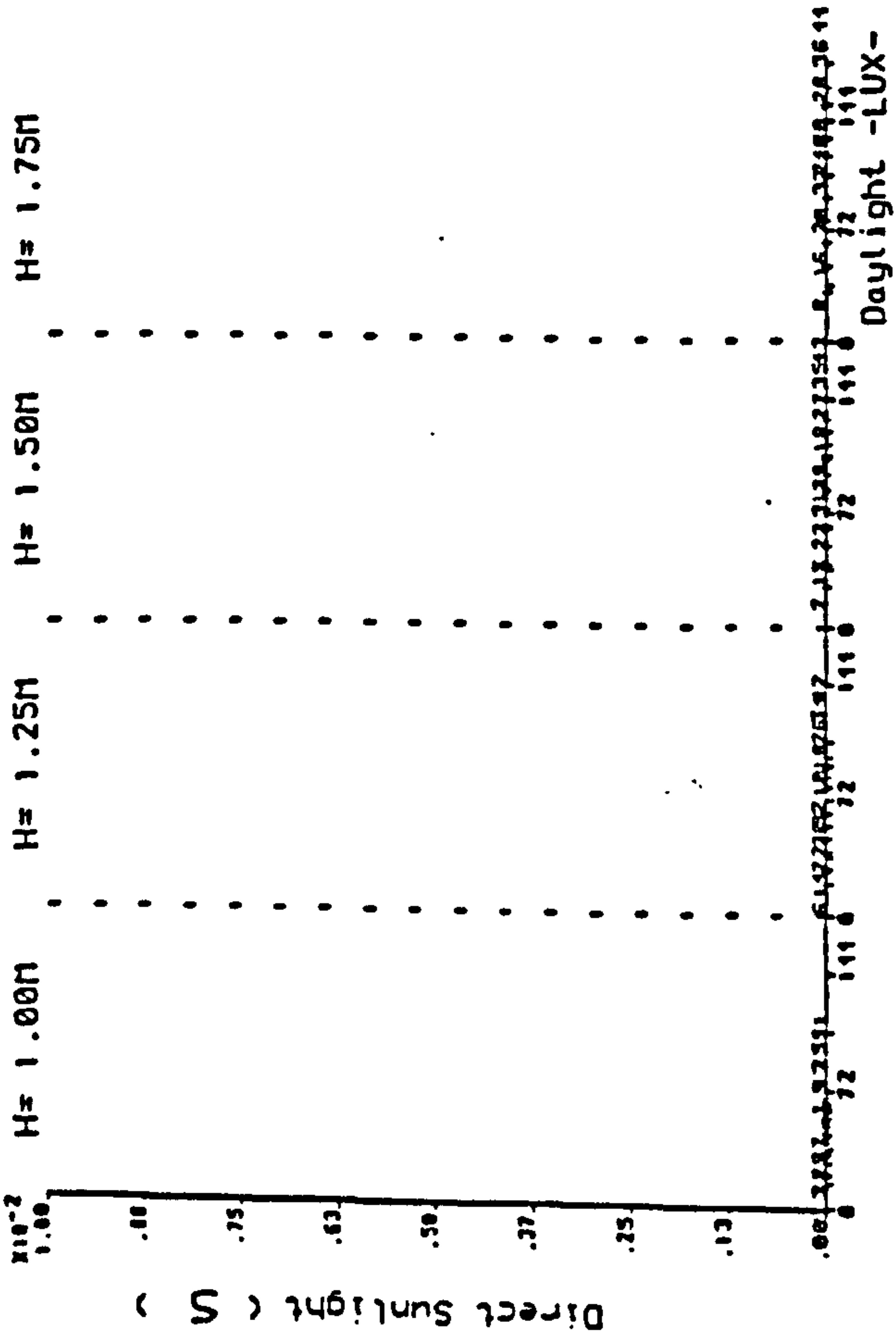


INTERHOUSE DISTANCE - 2.0 M -



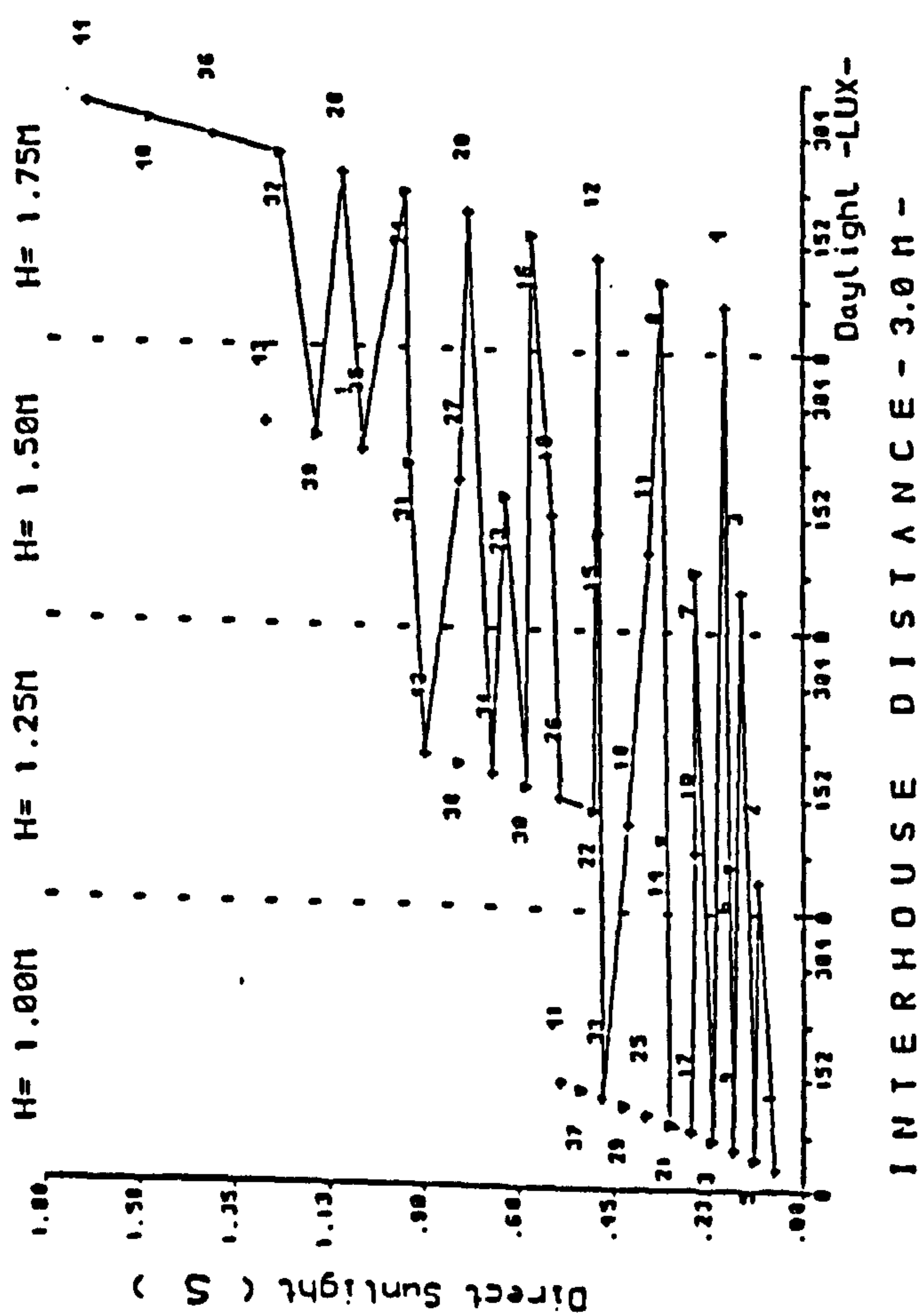
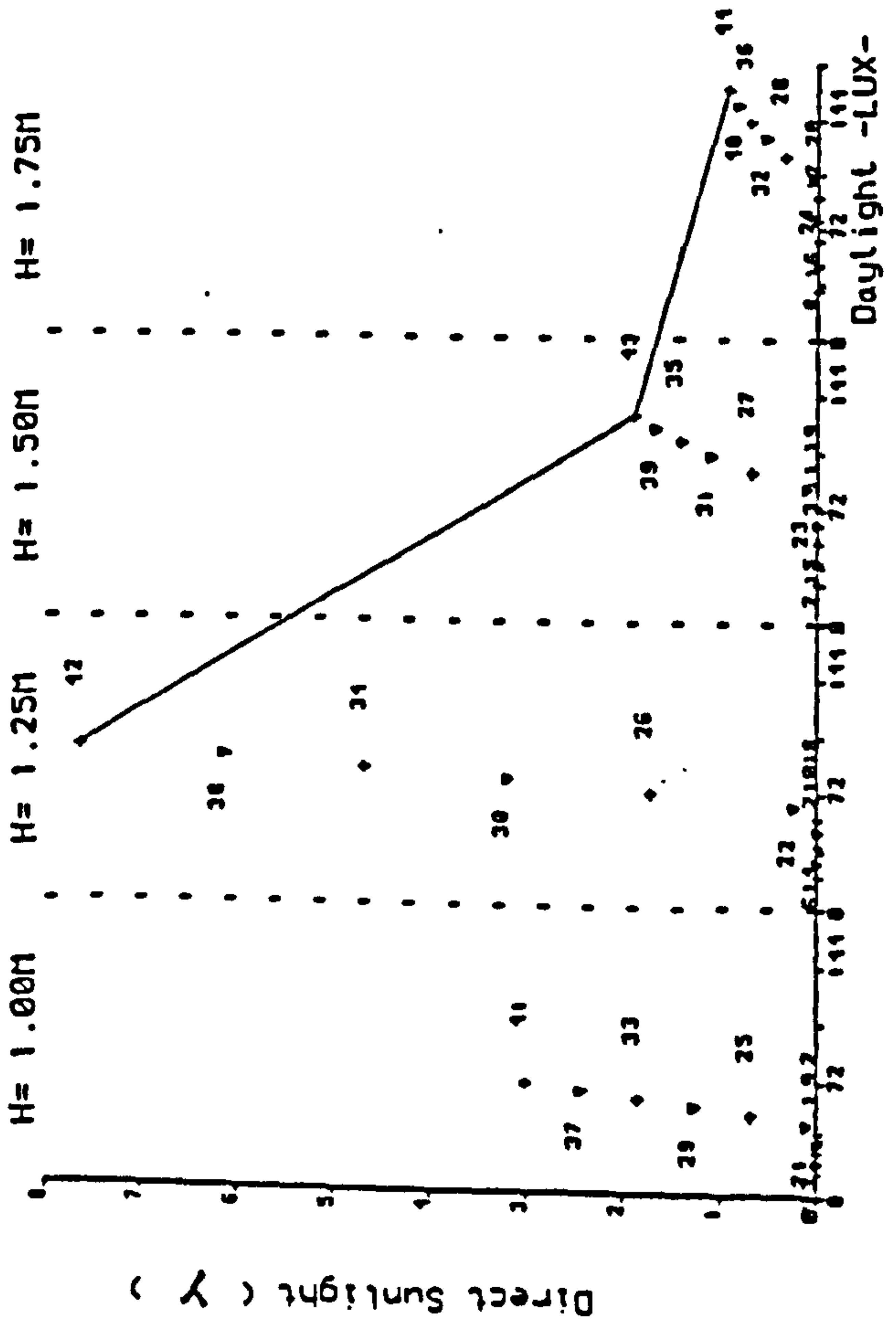
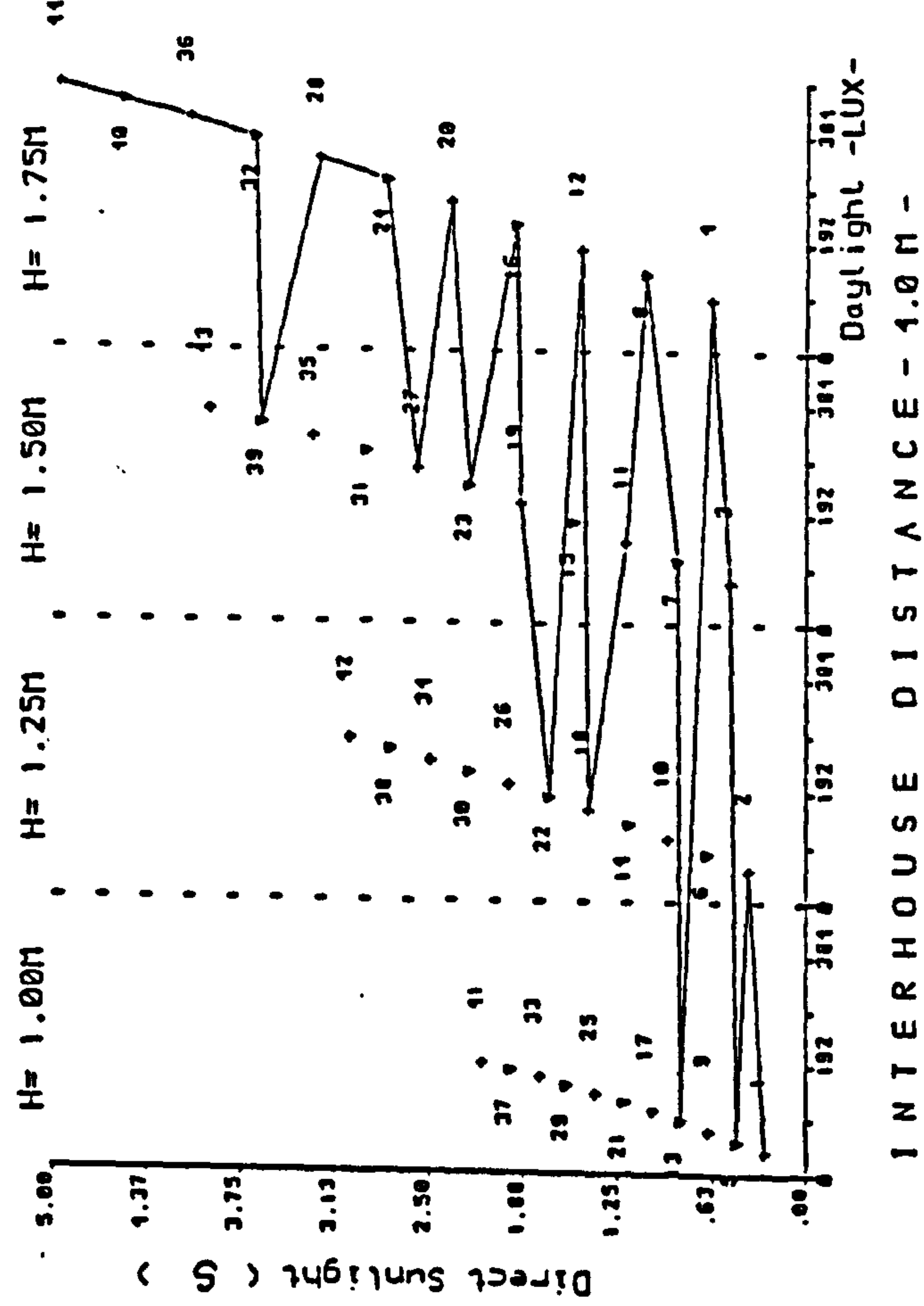
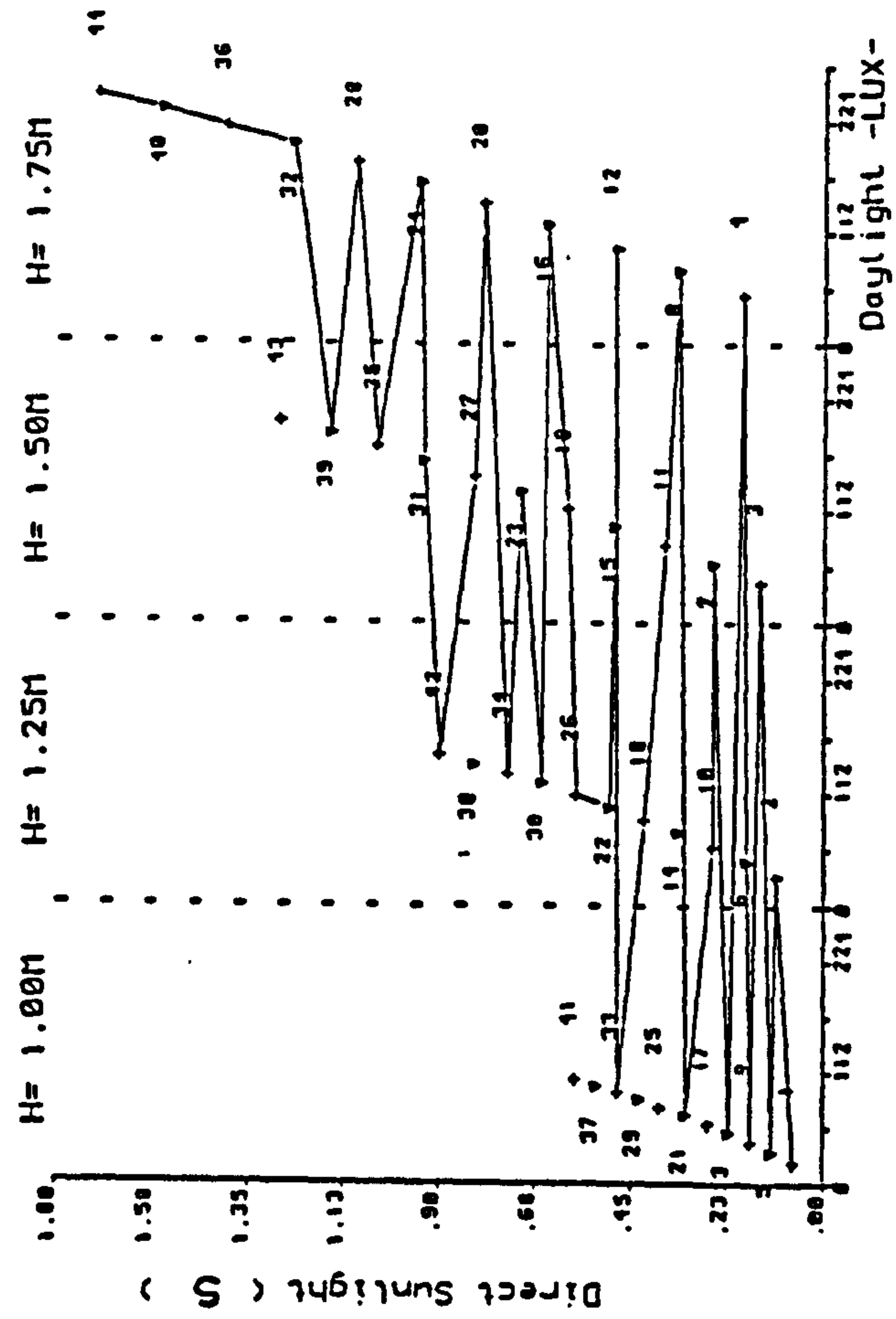
INTERHOUSE DISTANCE - 1.0 M -

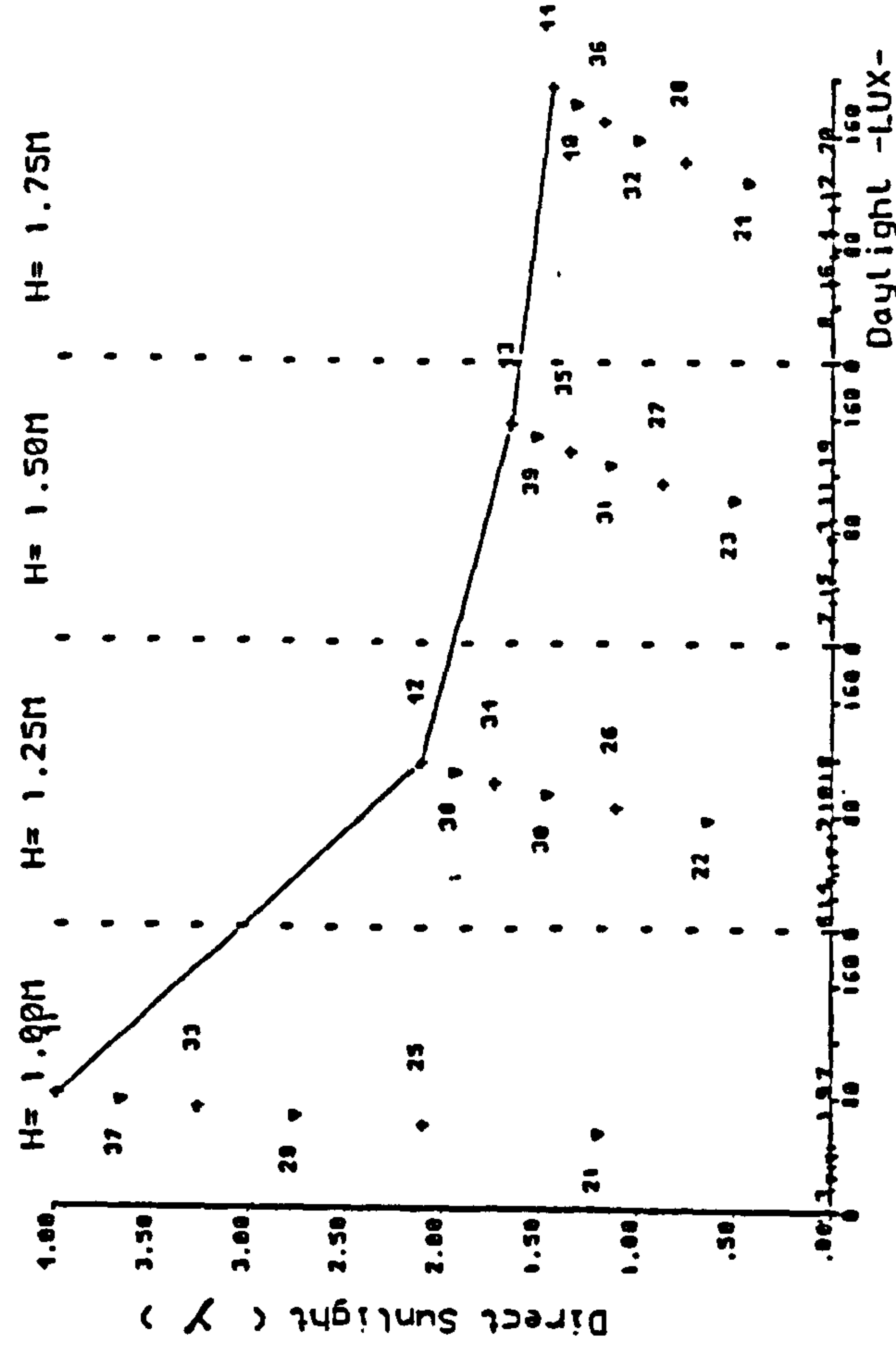




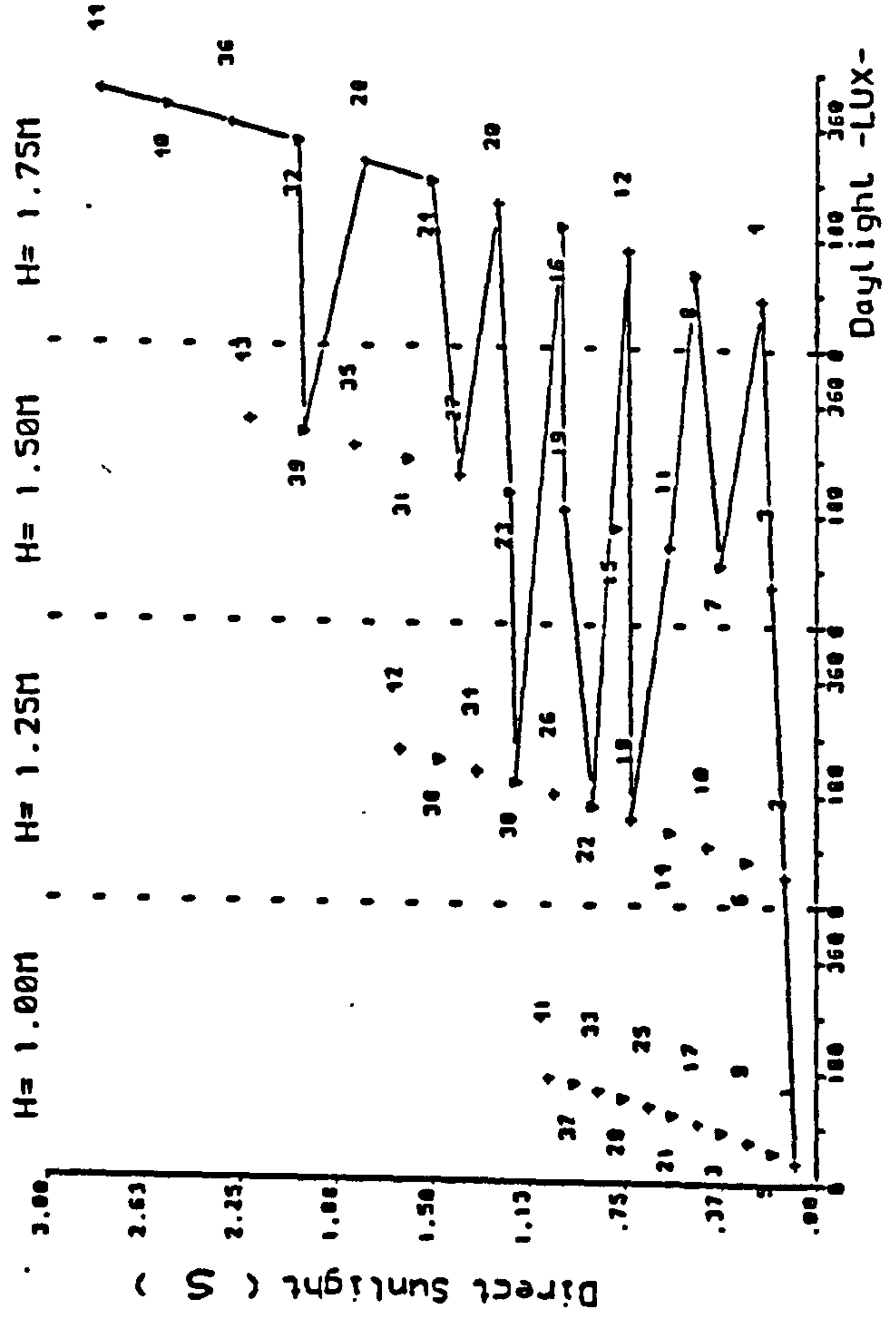




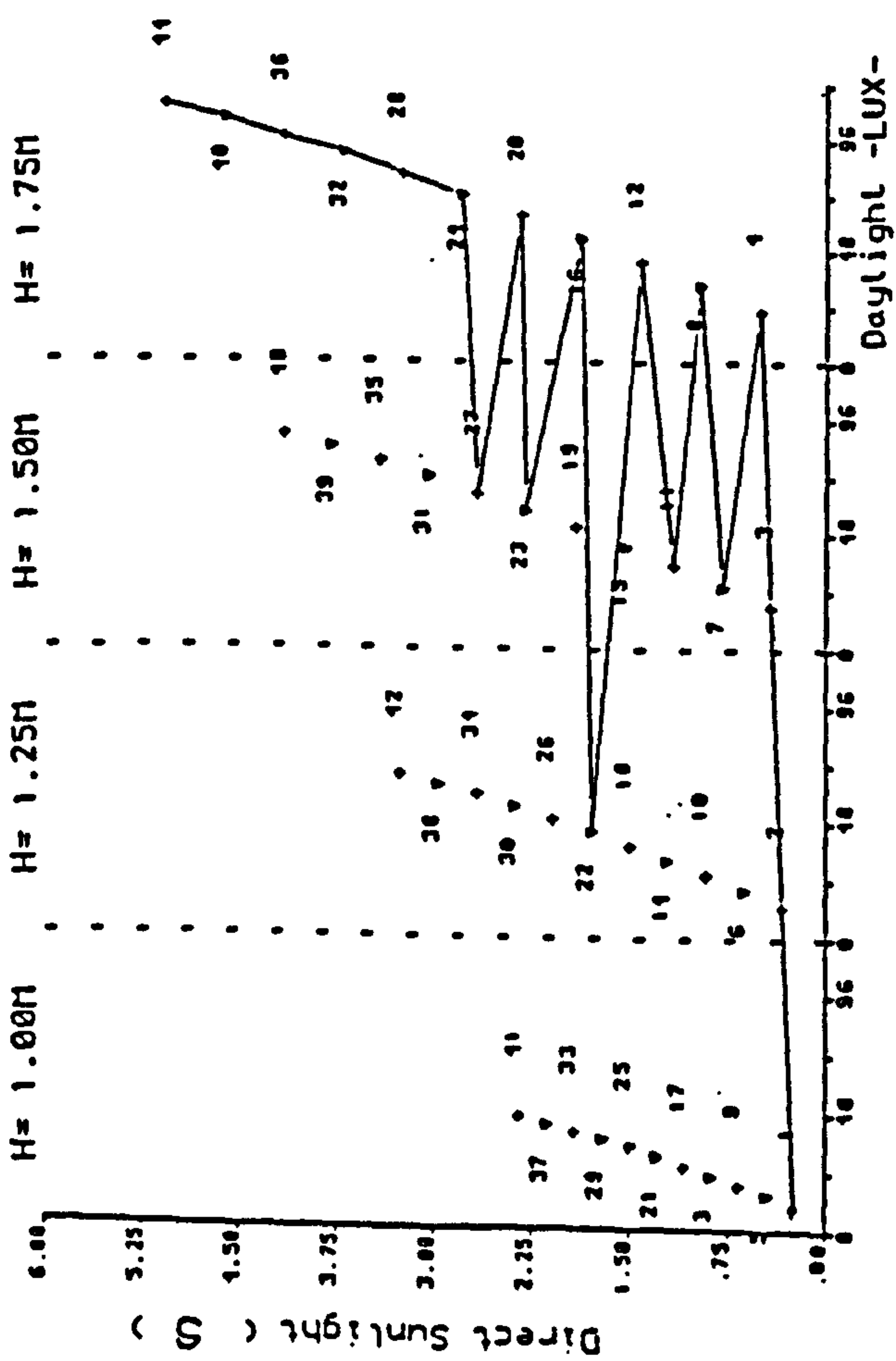




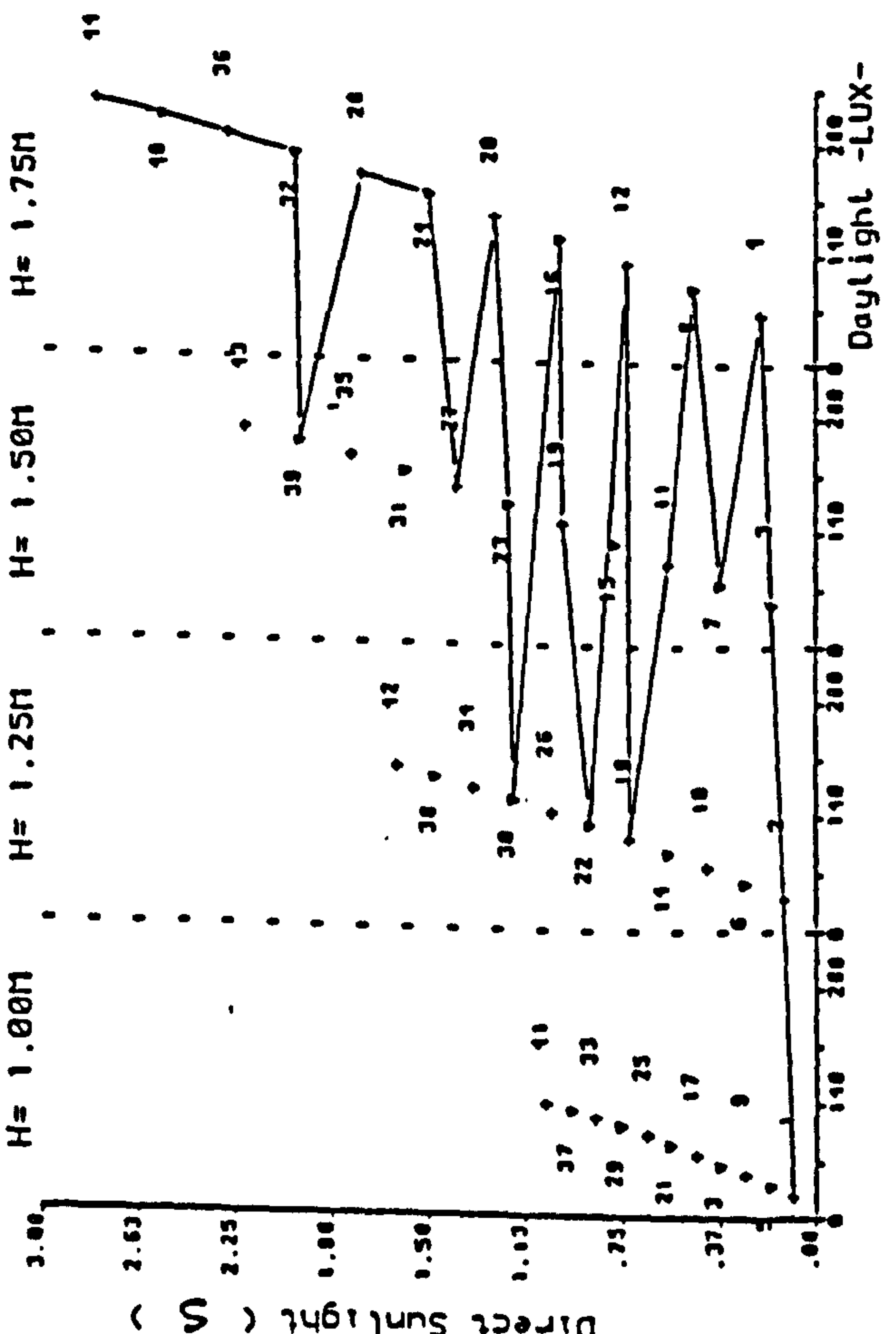
INTERHOUSE DISTANCE - 2.0M -



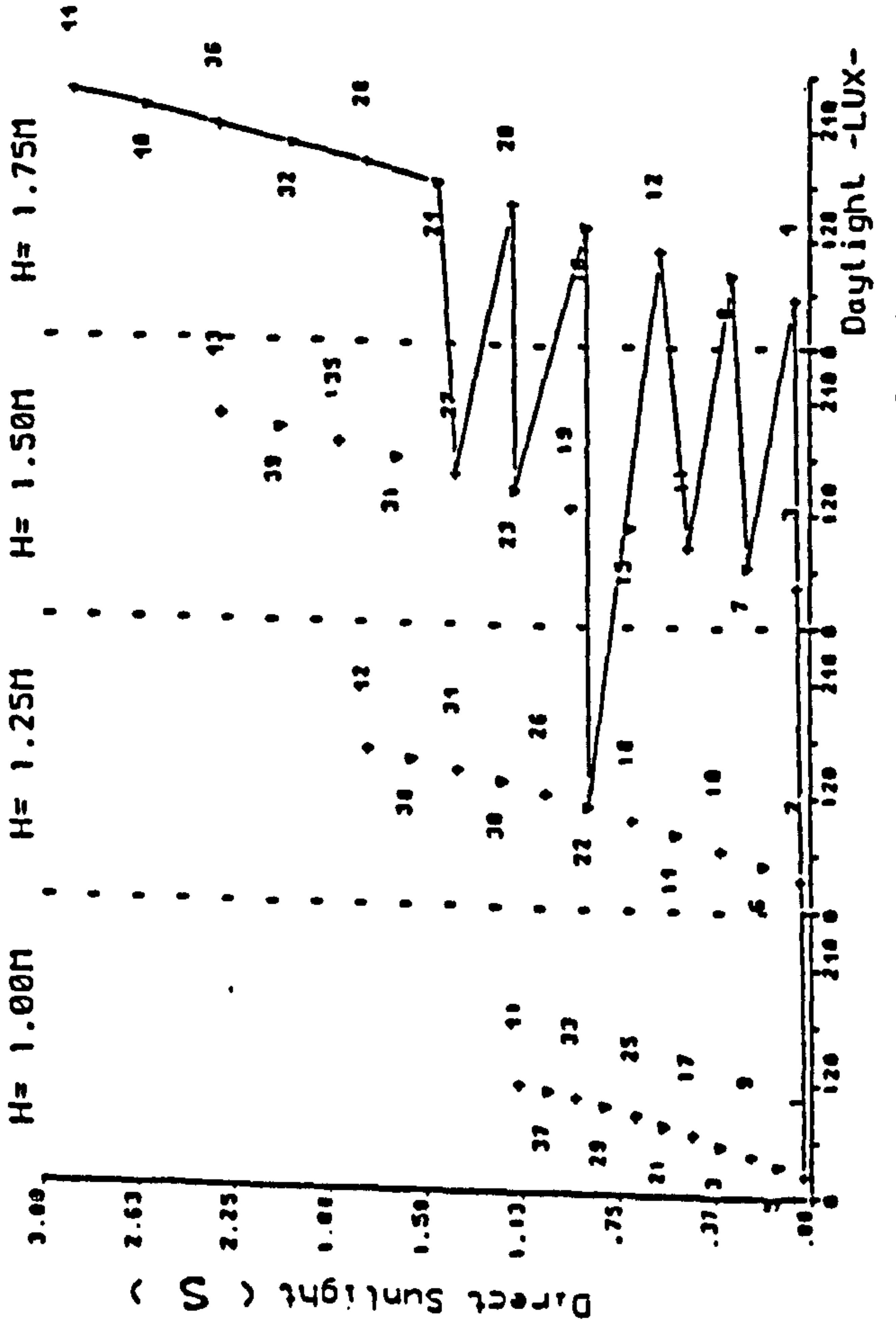
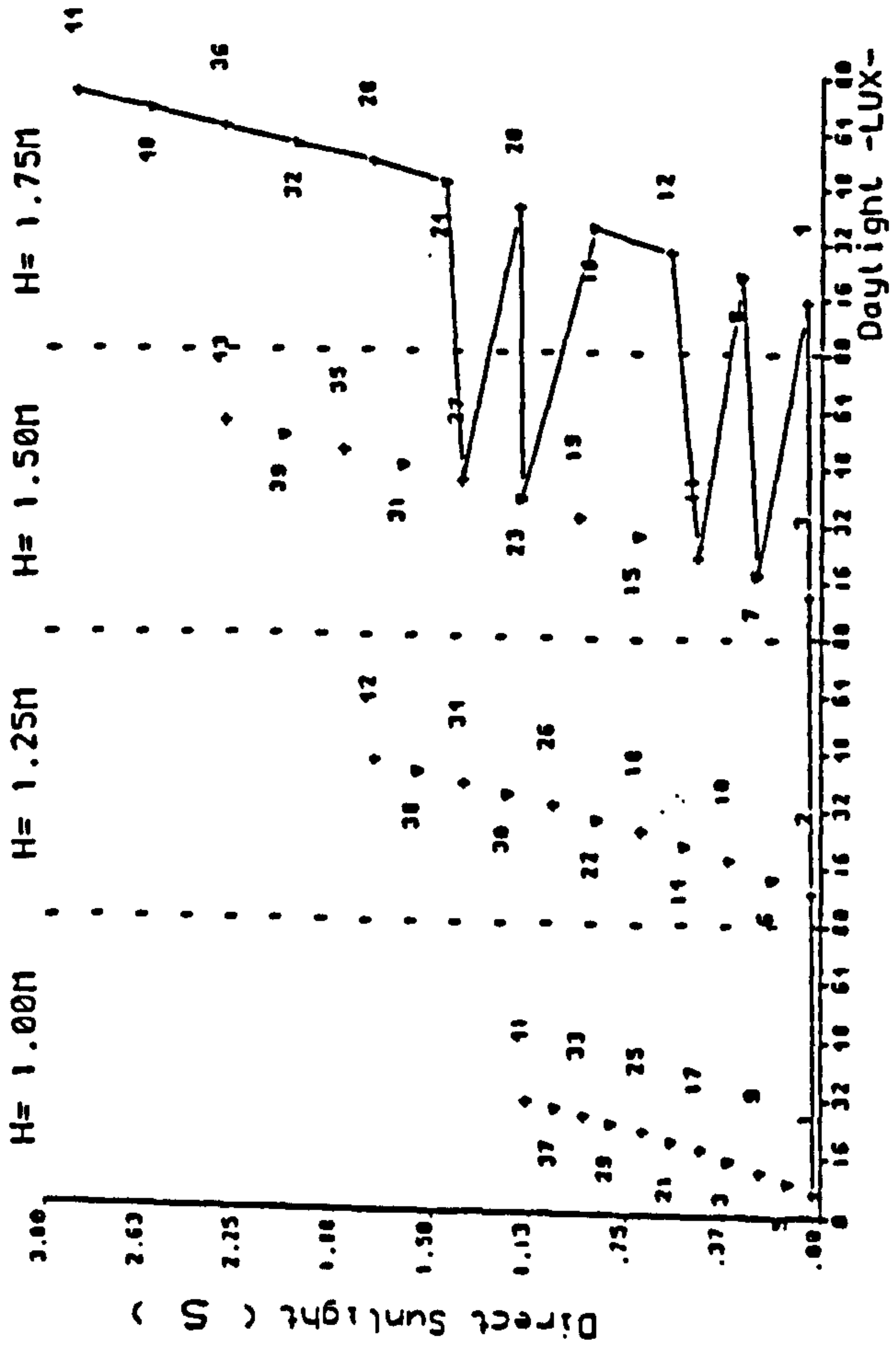
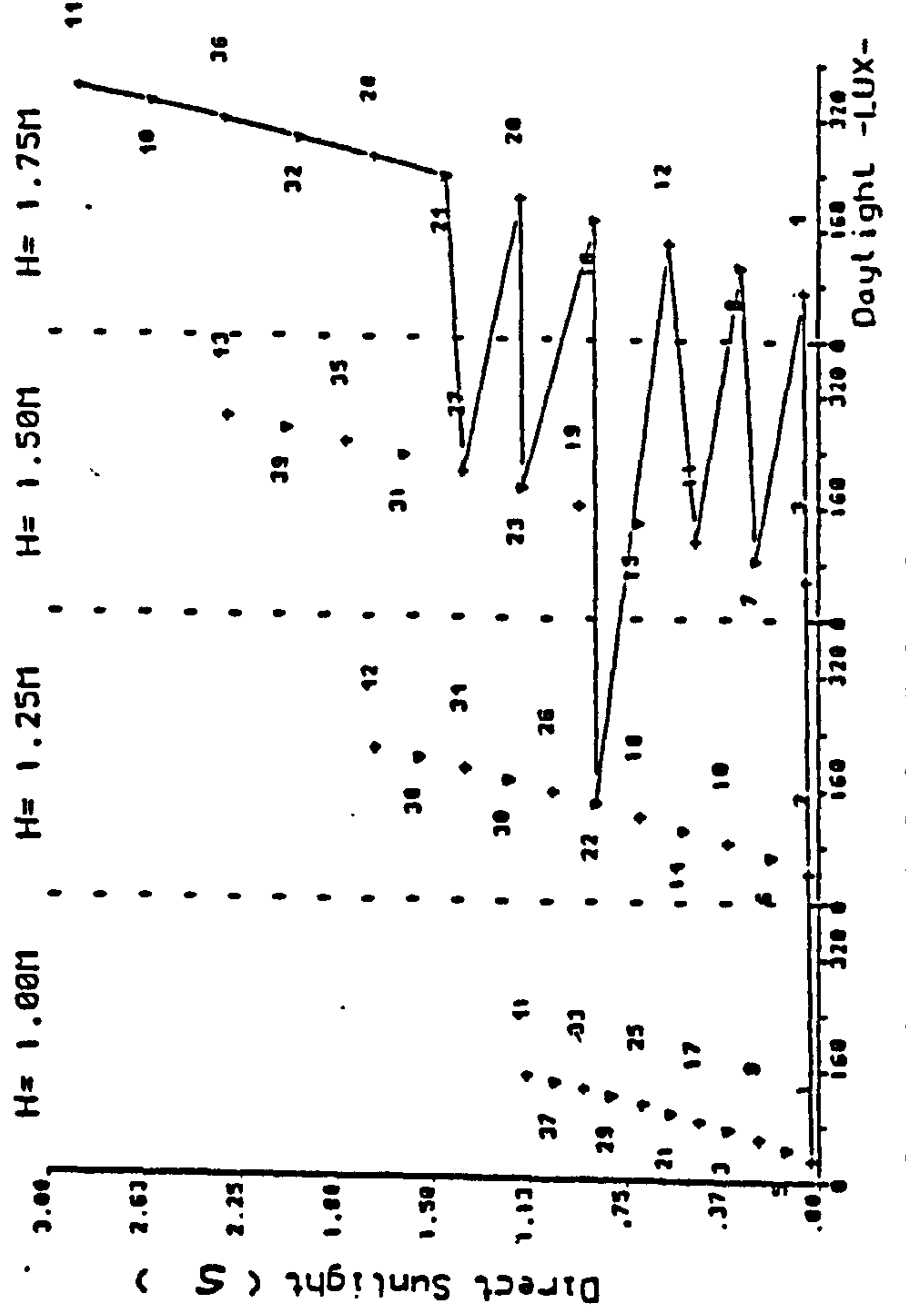
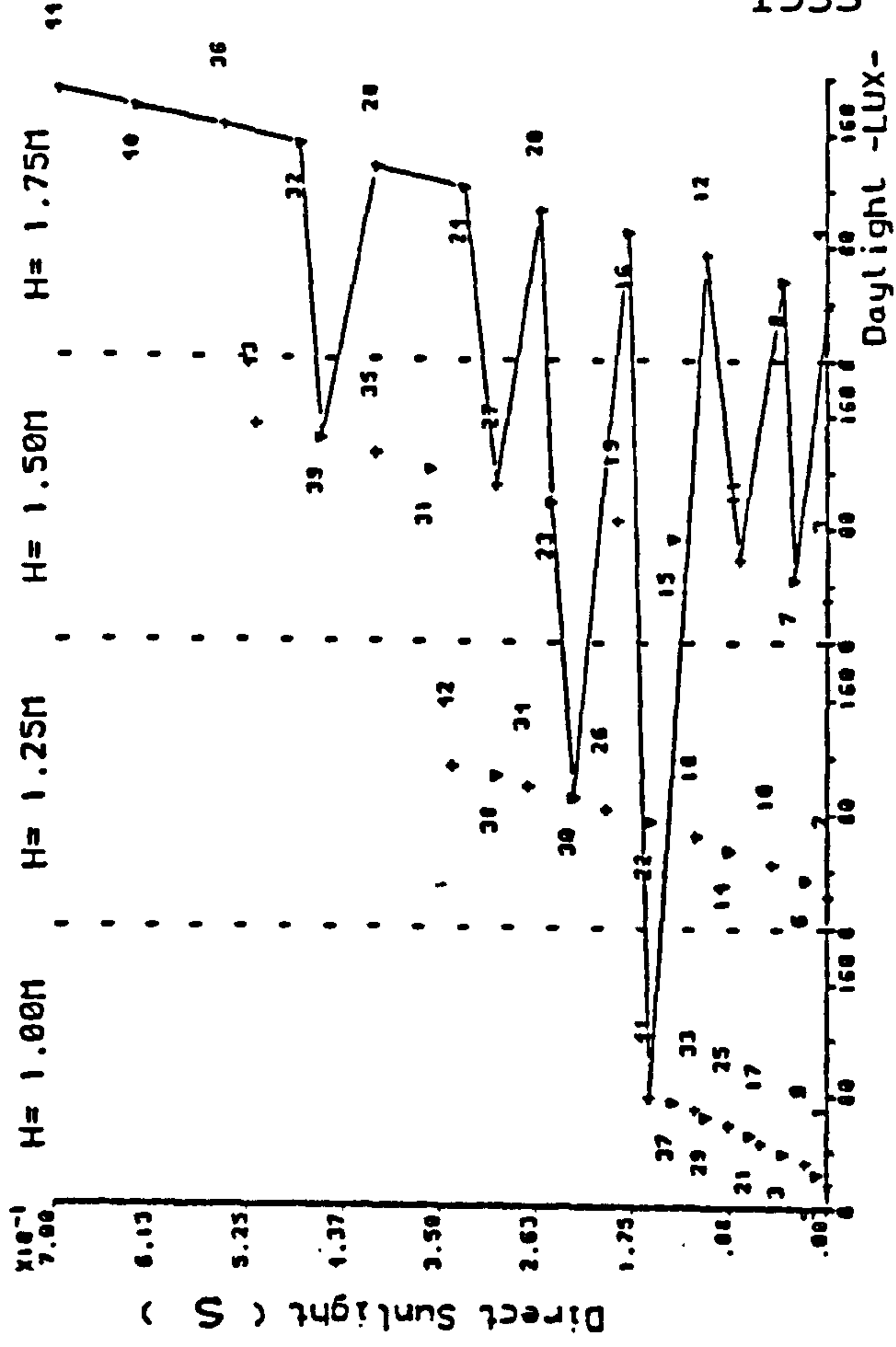
INTERHOUSE DISTANCE - 1.0M -

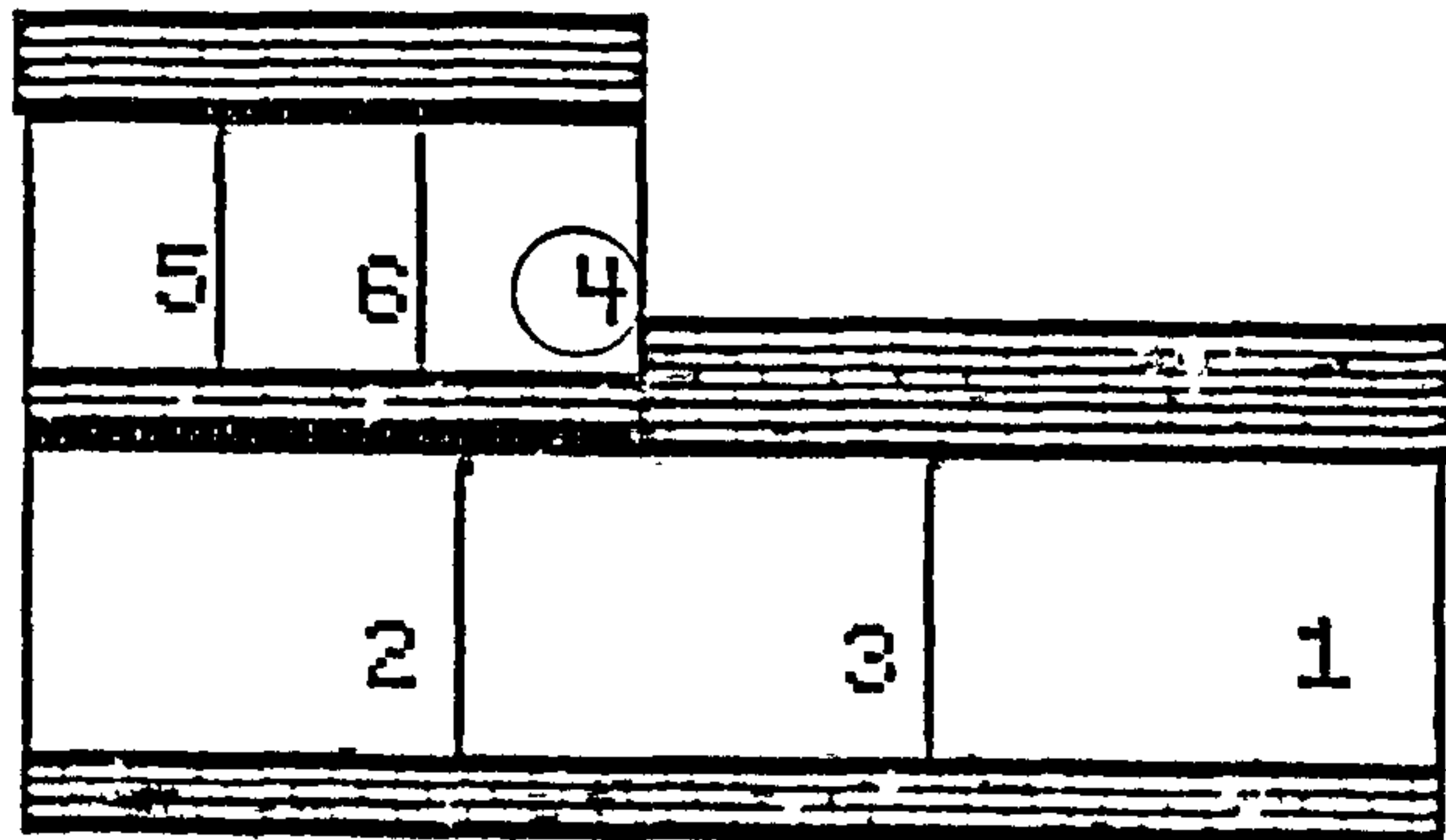


INTERHOUSE DISTANCE - 1.0M -



INTERHOUSE DISTANCE - 3.0M -





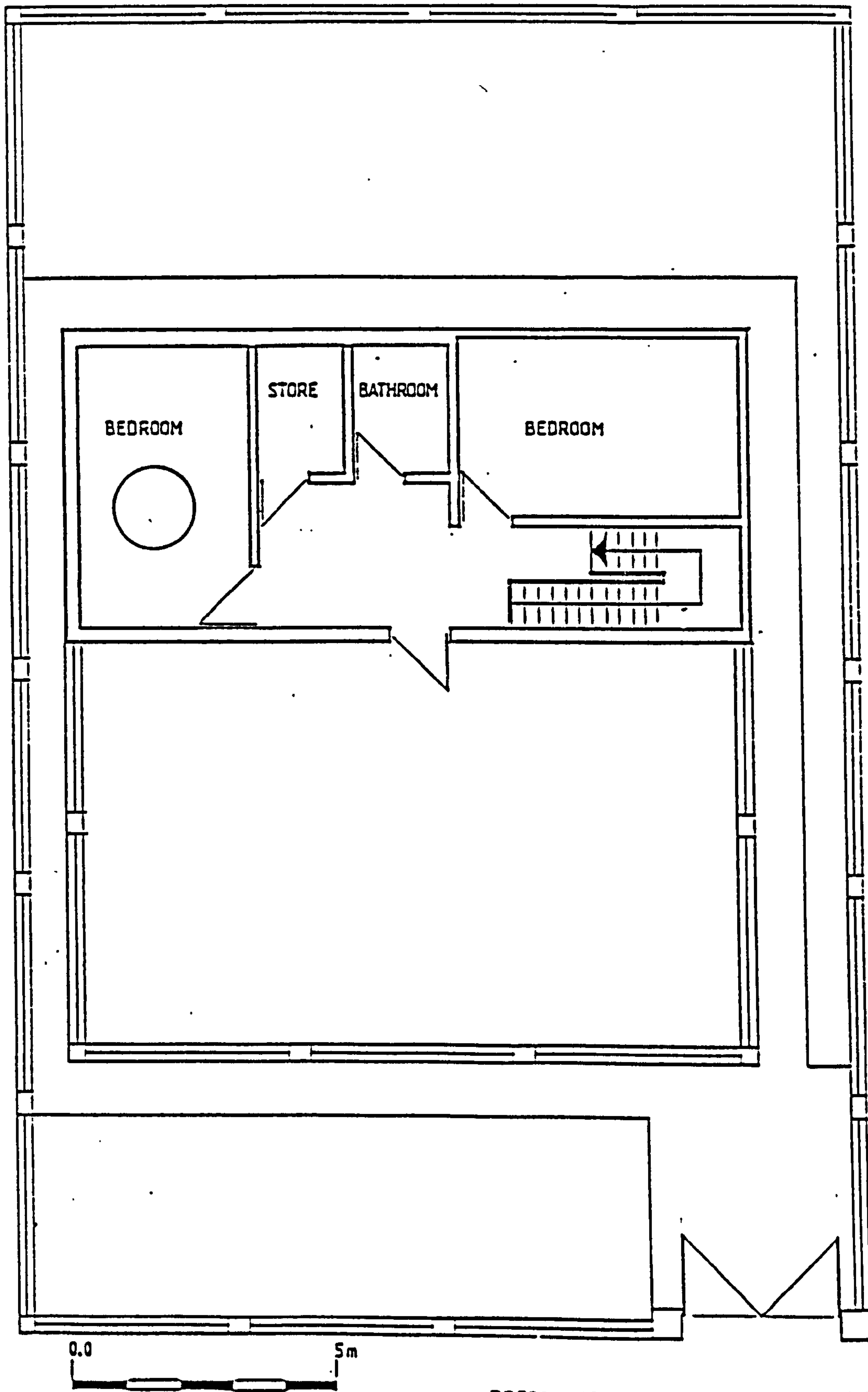
Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

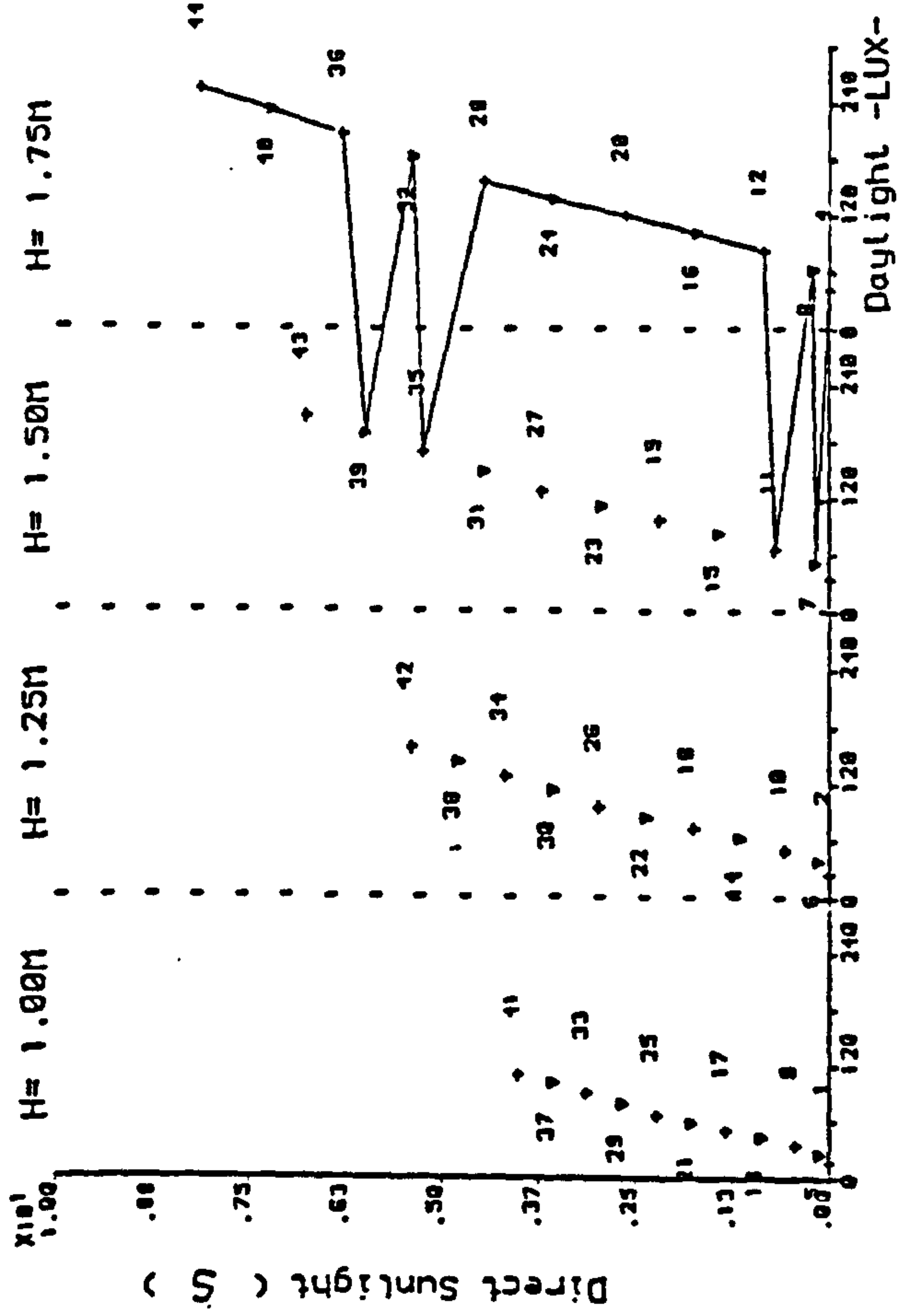
Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1536
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45	1538
67.5	1539
90	1540
112.5	1541
135	1542
157.5	1543
180	1544
202.5	1545
225	1546
247.5	1547
270	1548
292.5	1549
315	1550
337.5	1551

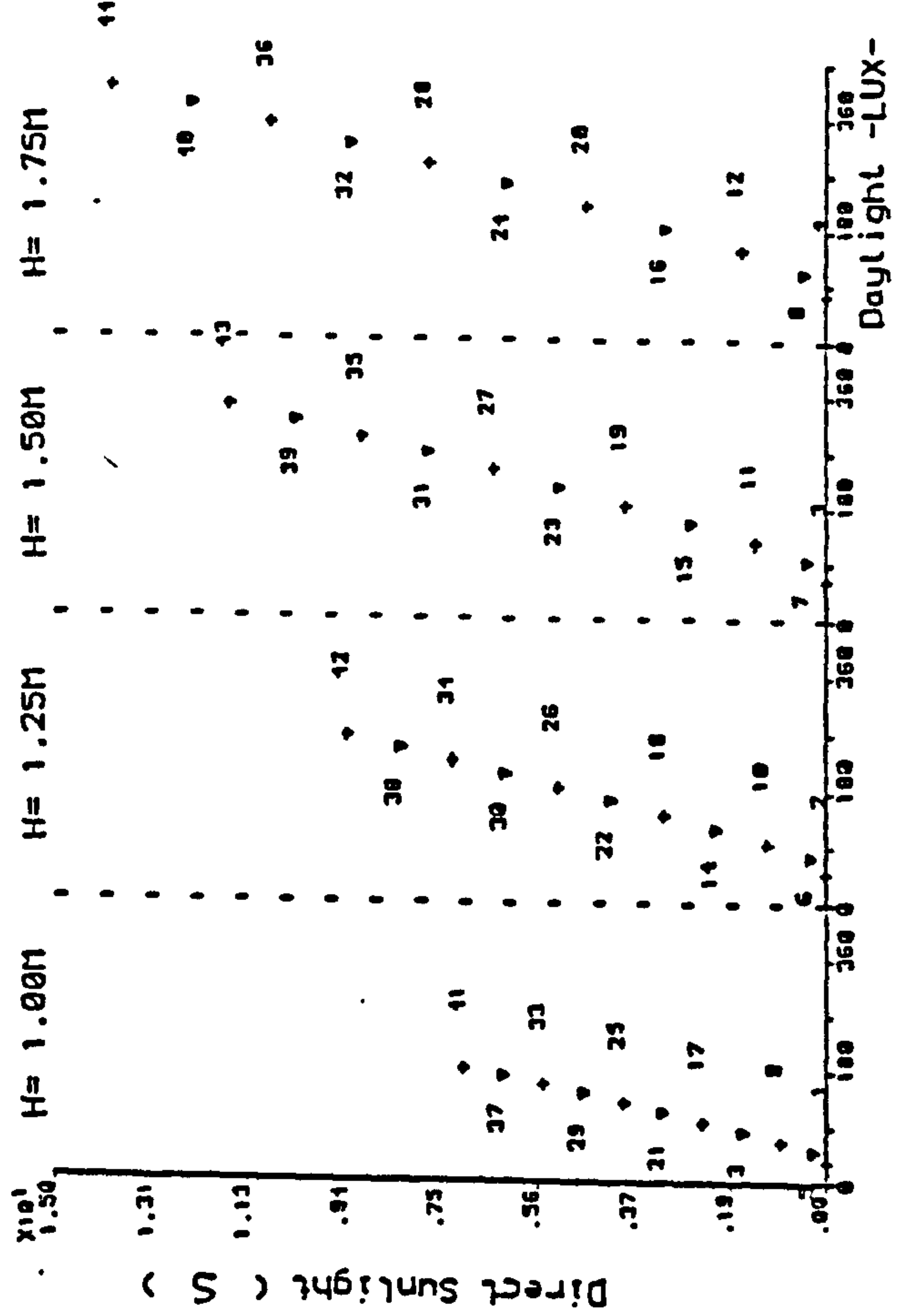




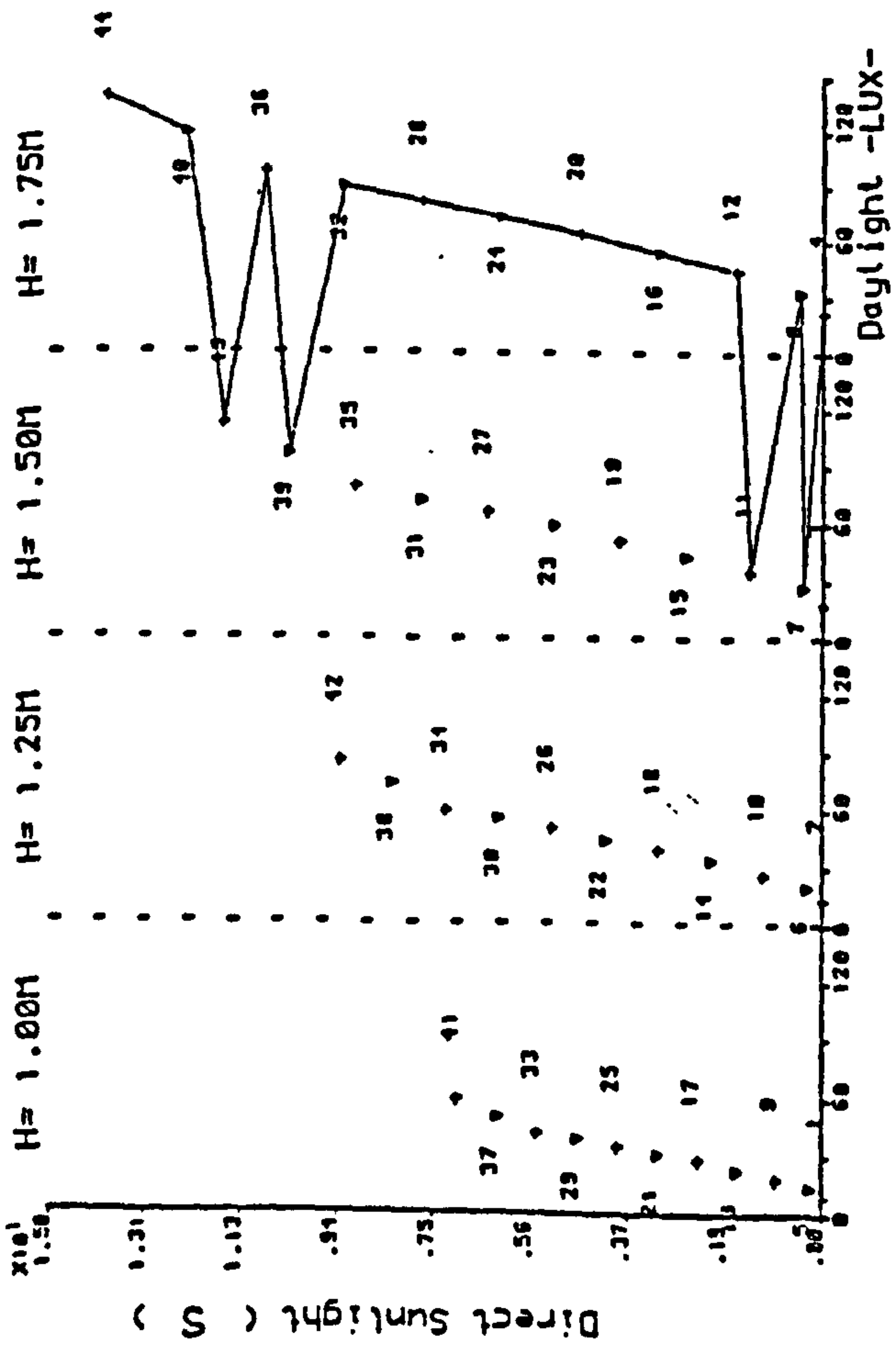
FIRST FLOOR PLAN



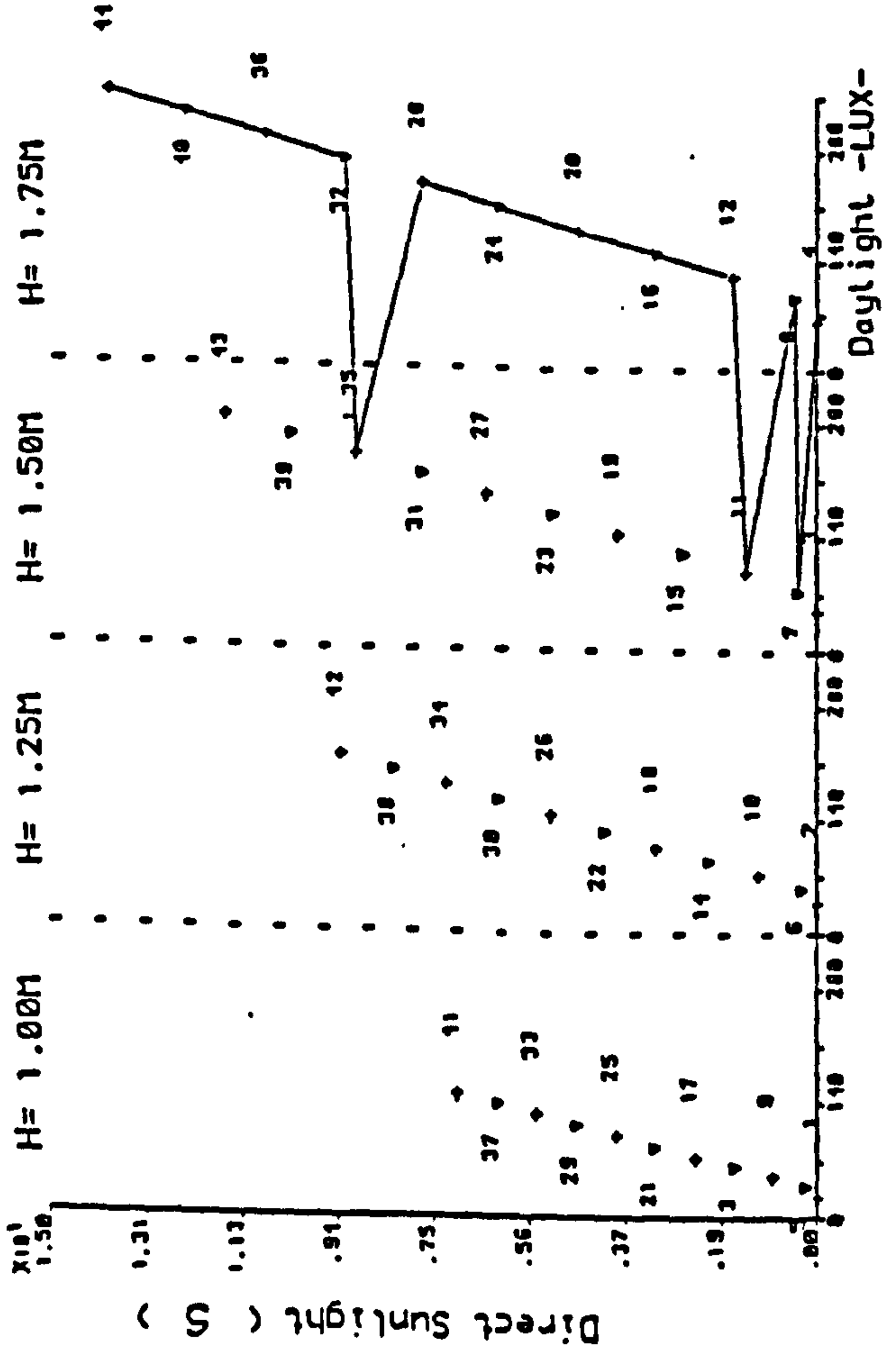
INTERHOUSE DISTANCE - 2.0 M -



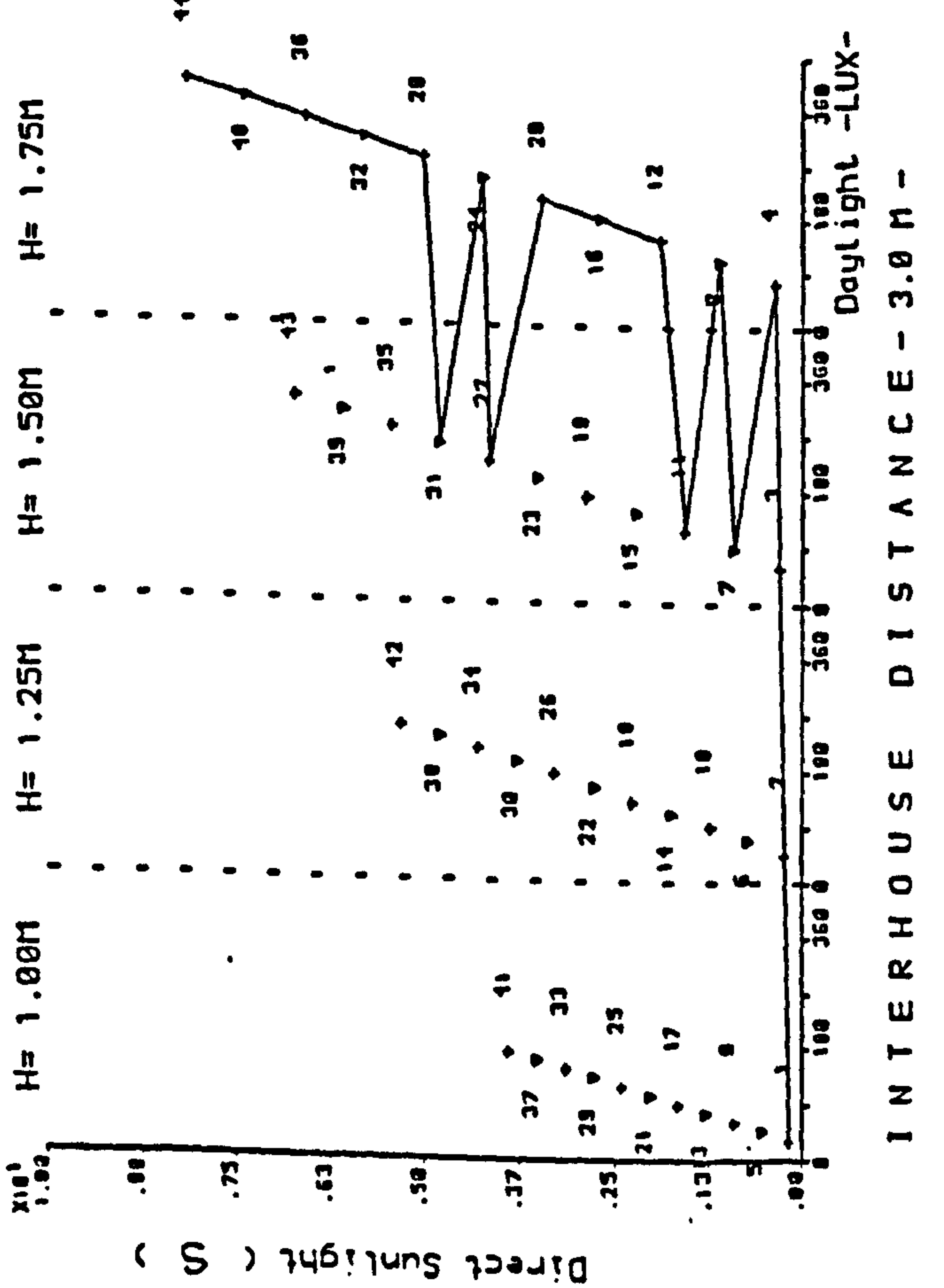
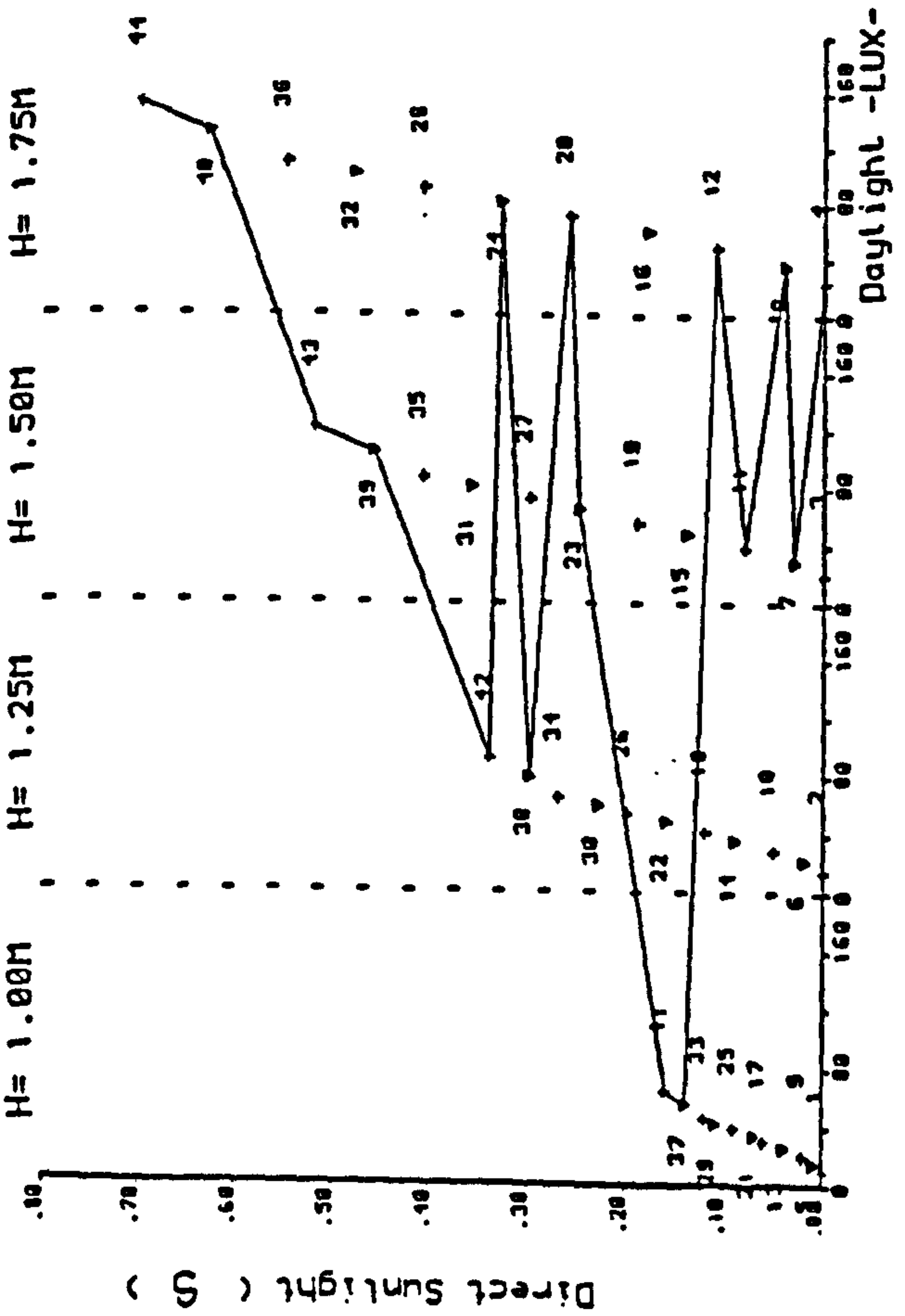
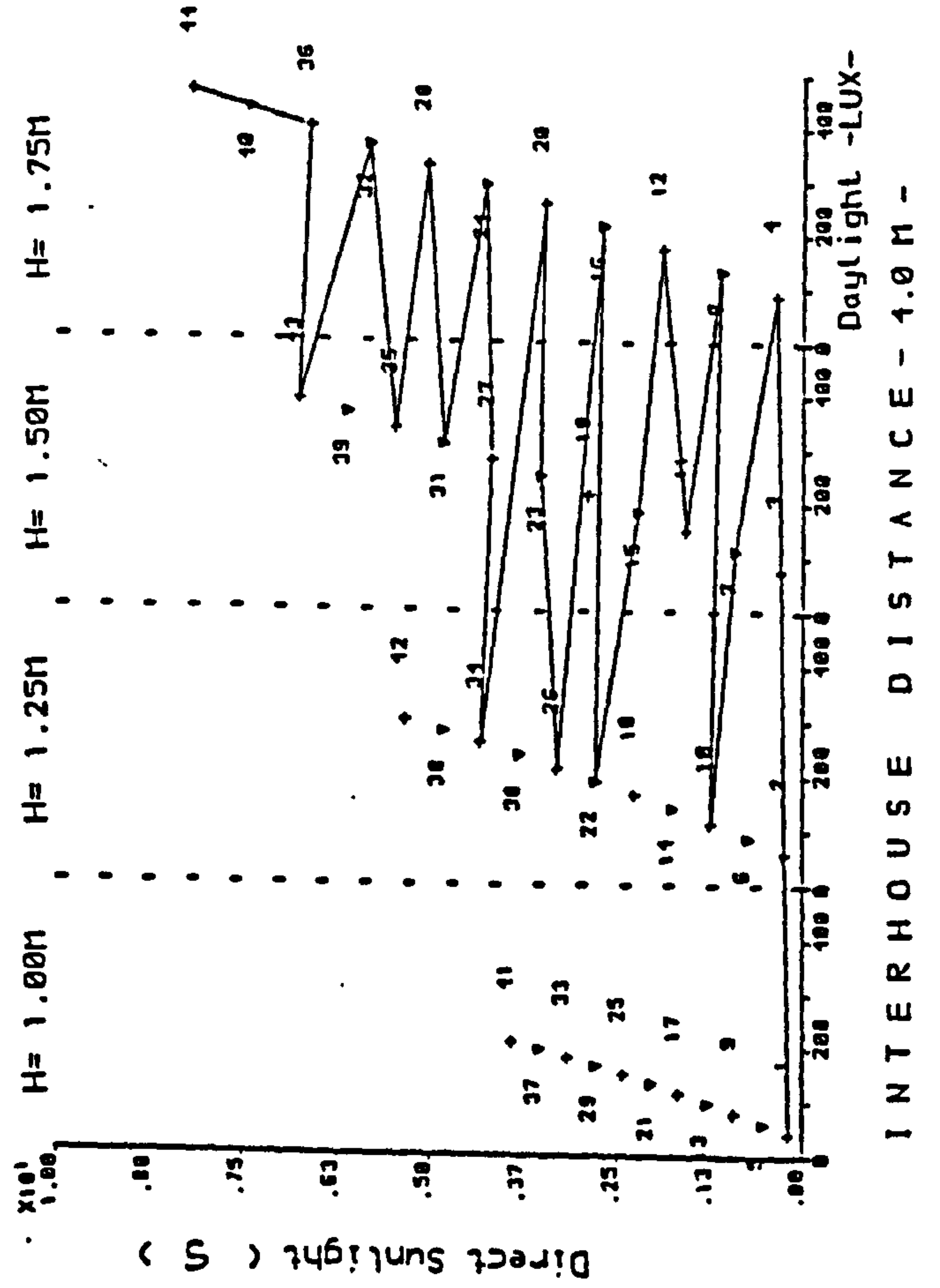
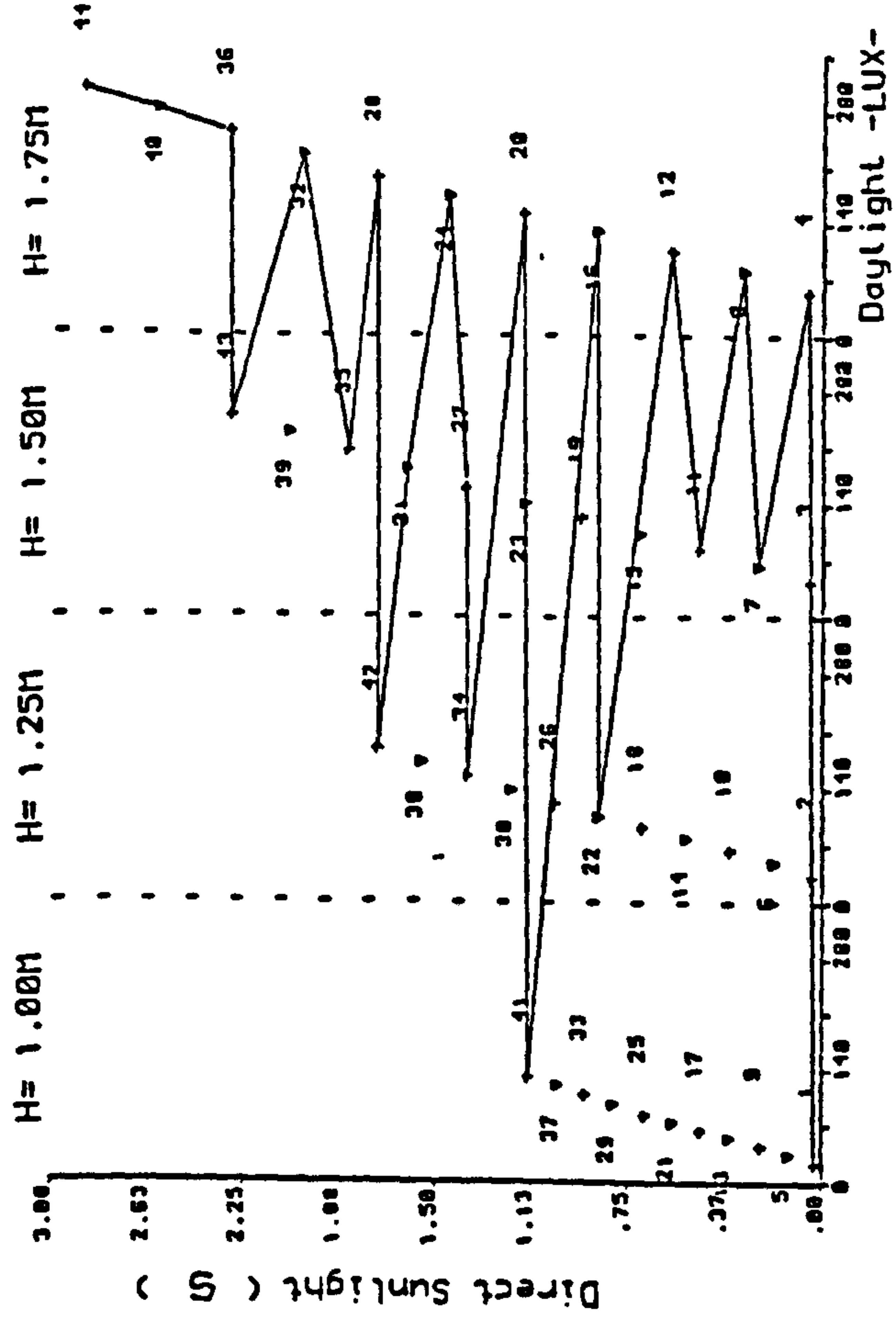
INTERHOUSE DISTANCE - 1.0 M -

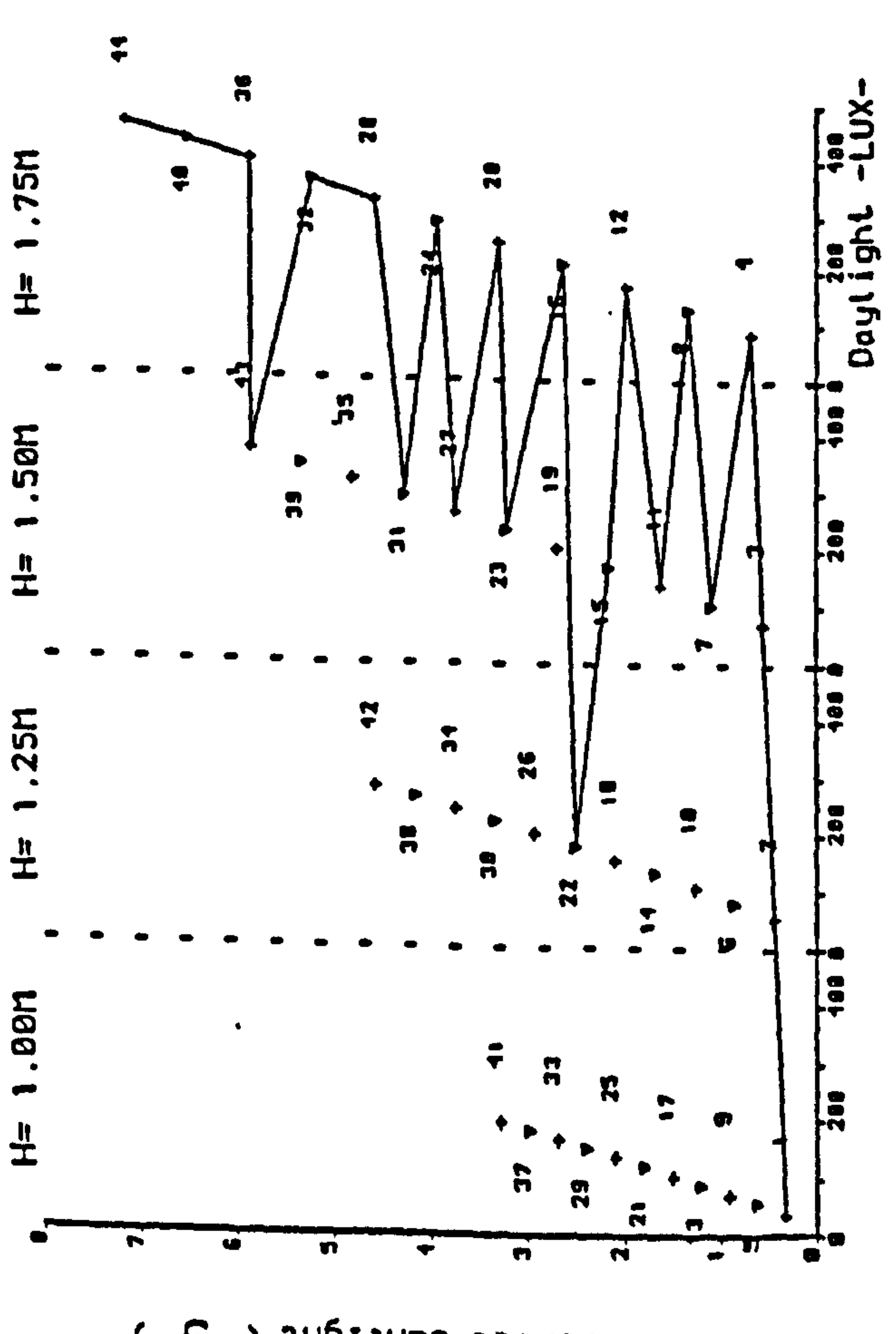
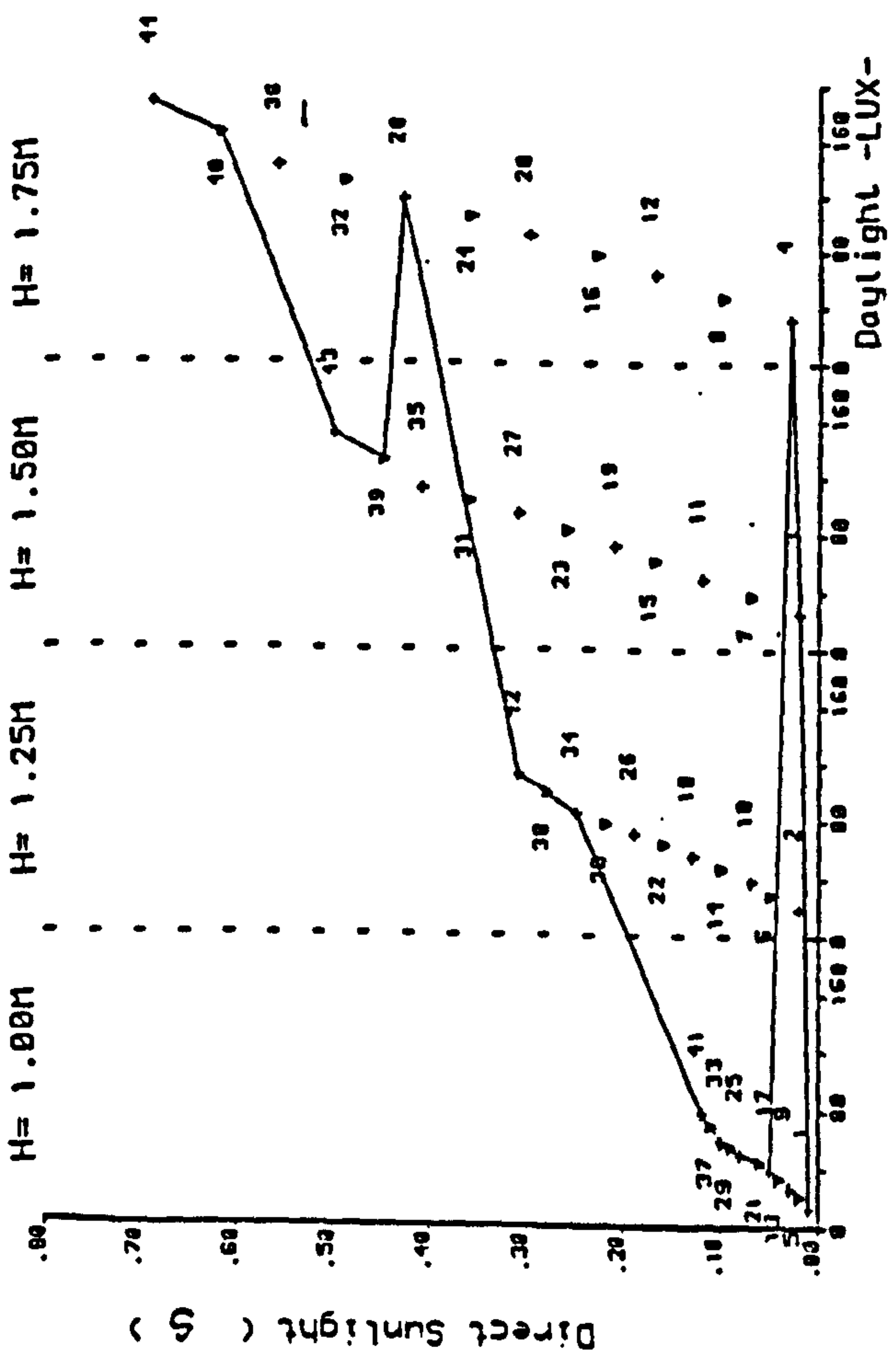
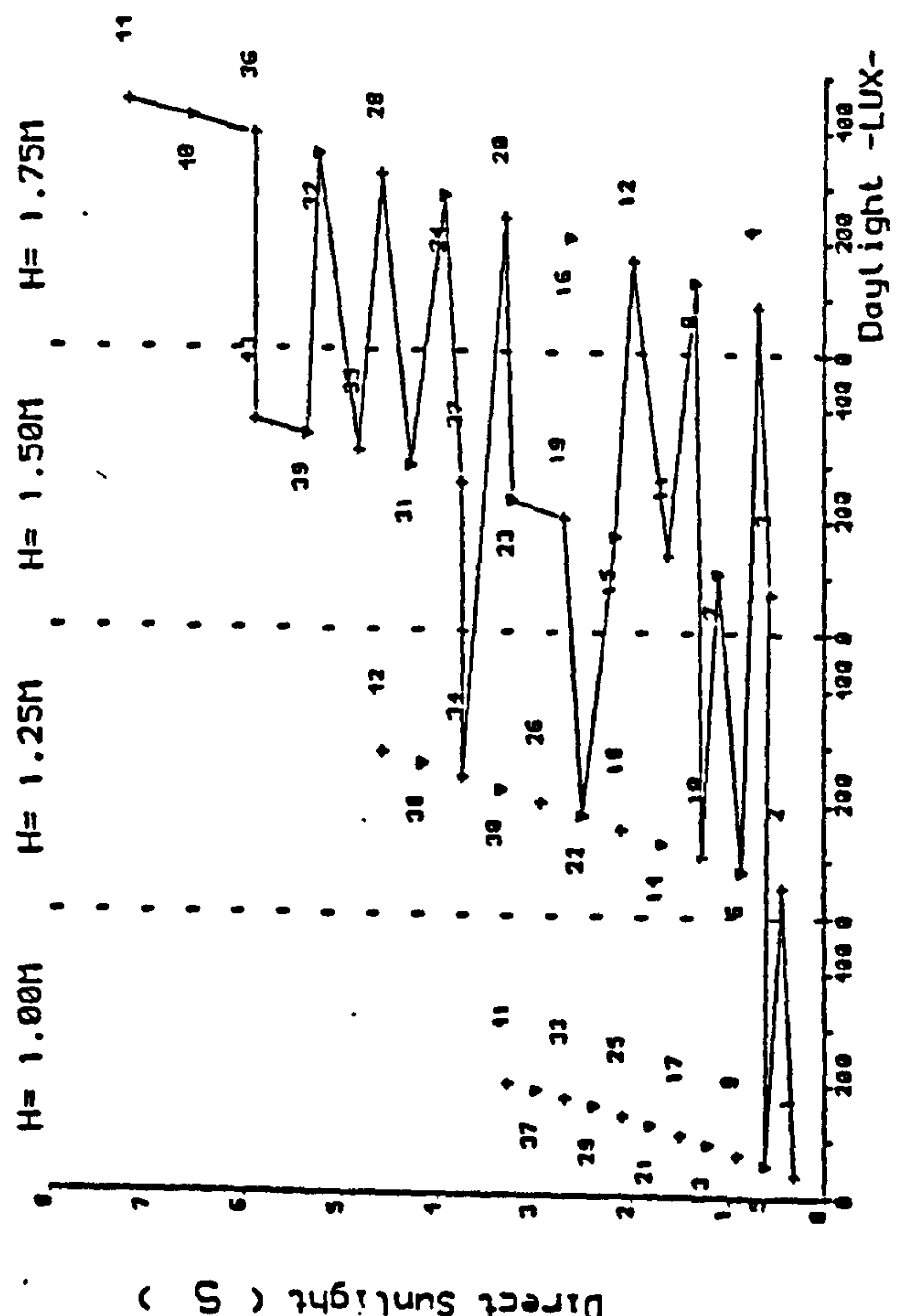
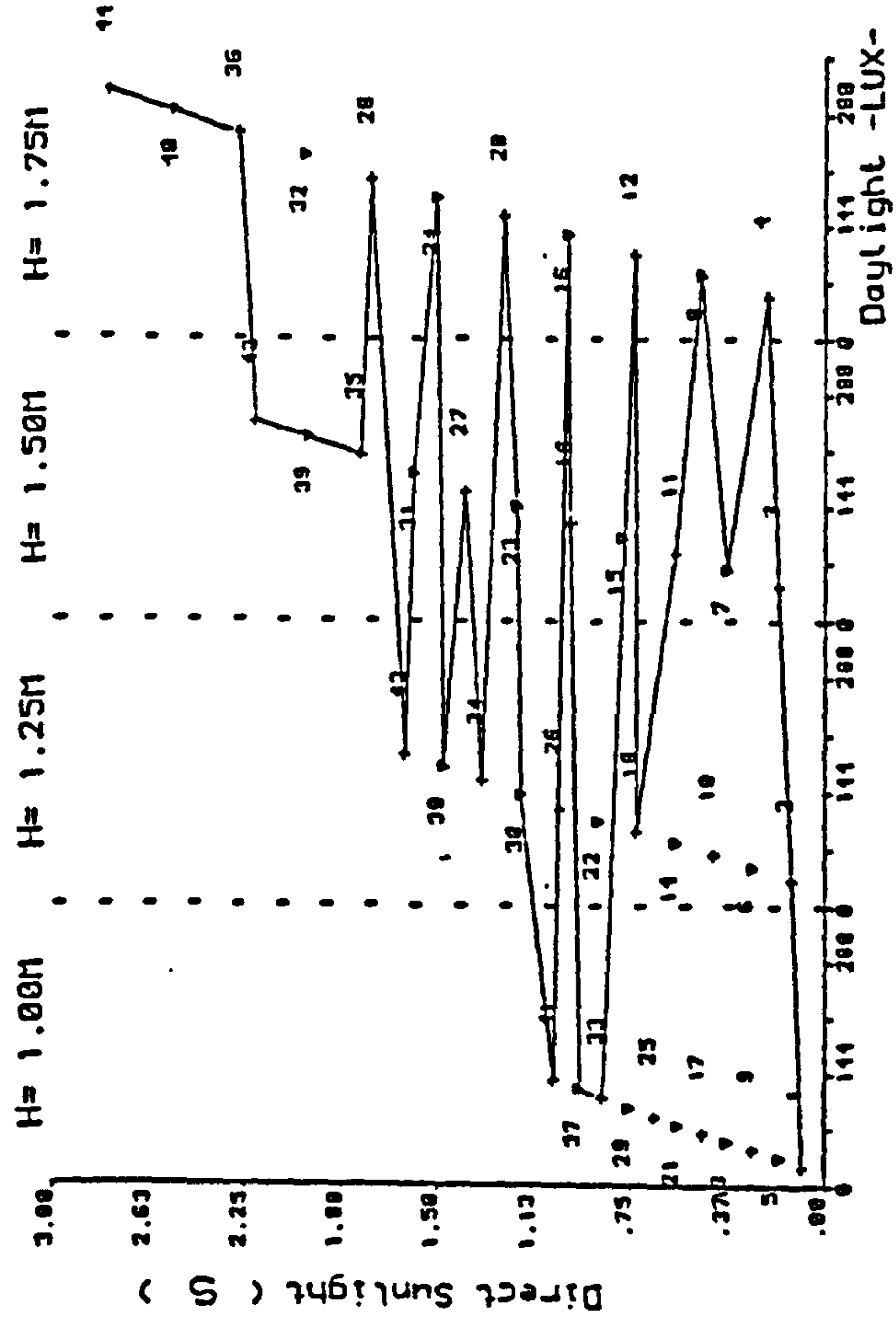


INTERHOUSE DISTANCE - 3.0 M -

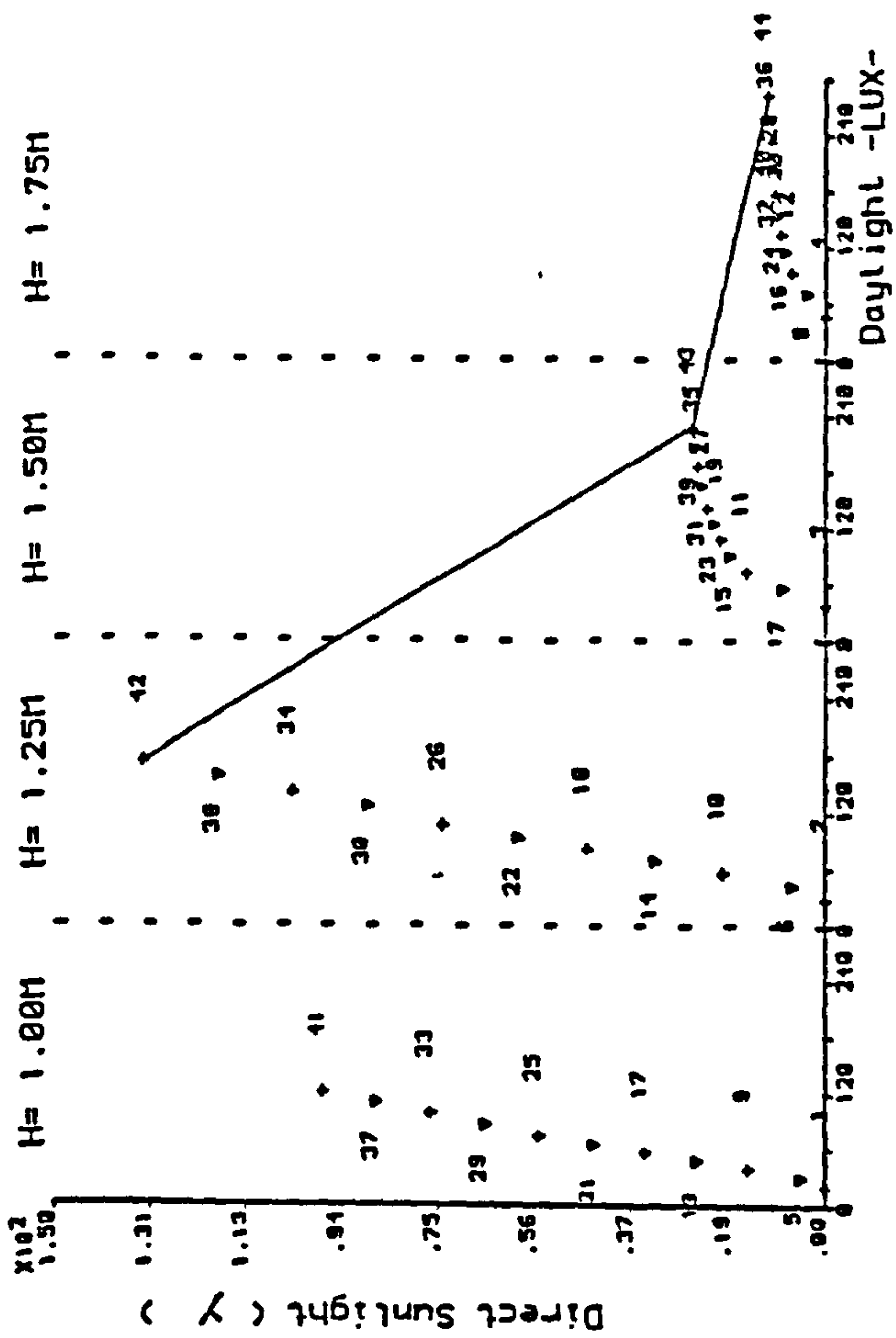


INTERHOUSE DISTANCE - 1.0 M -

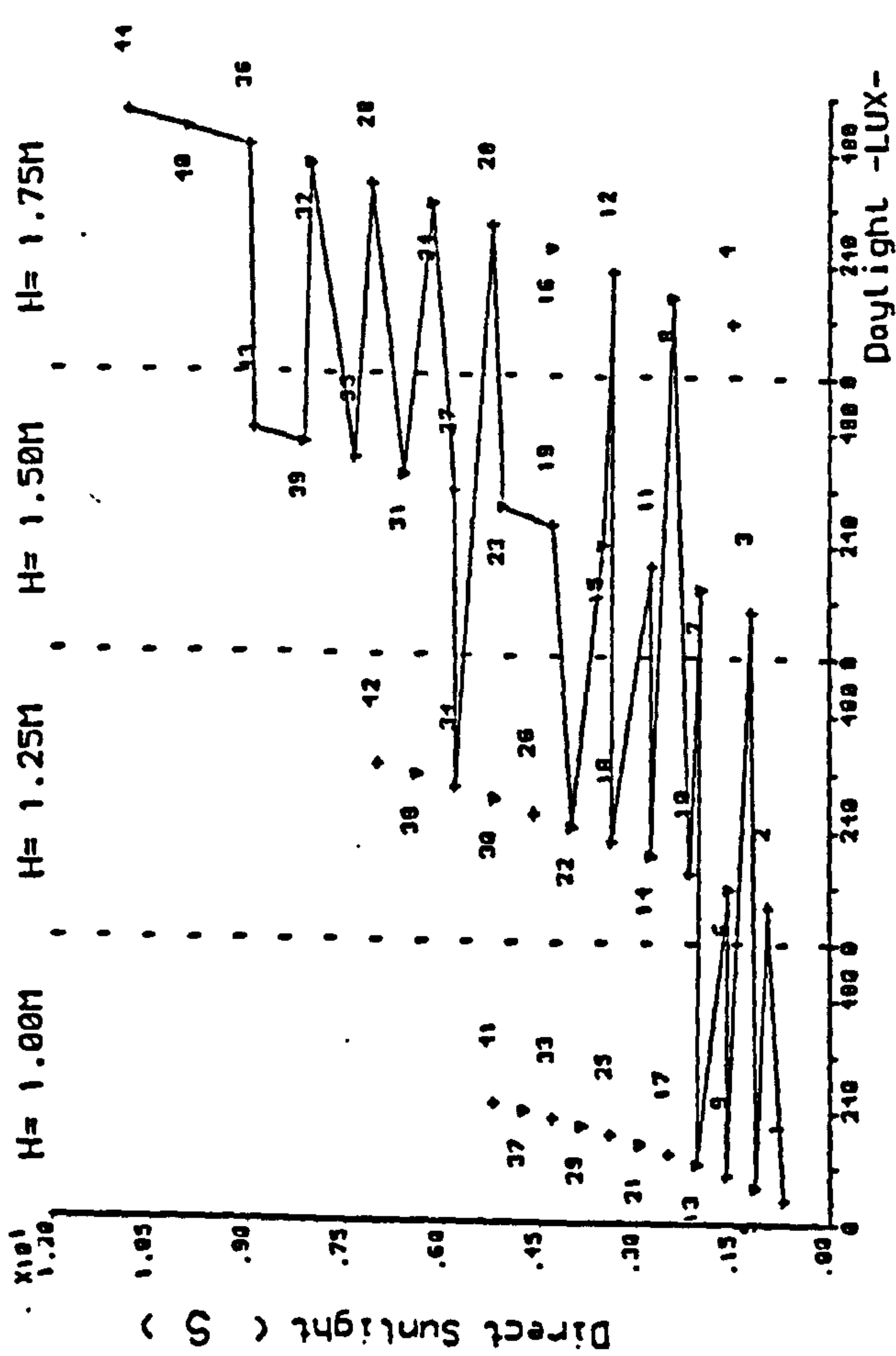




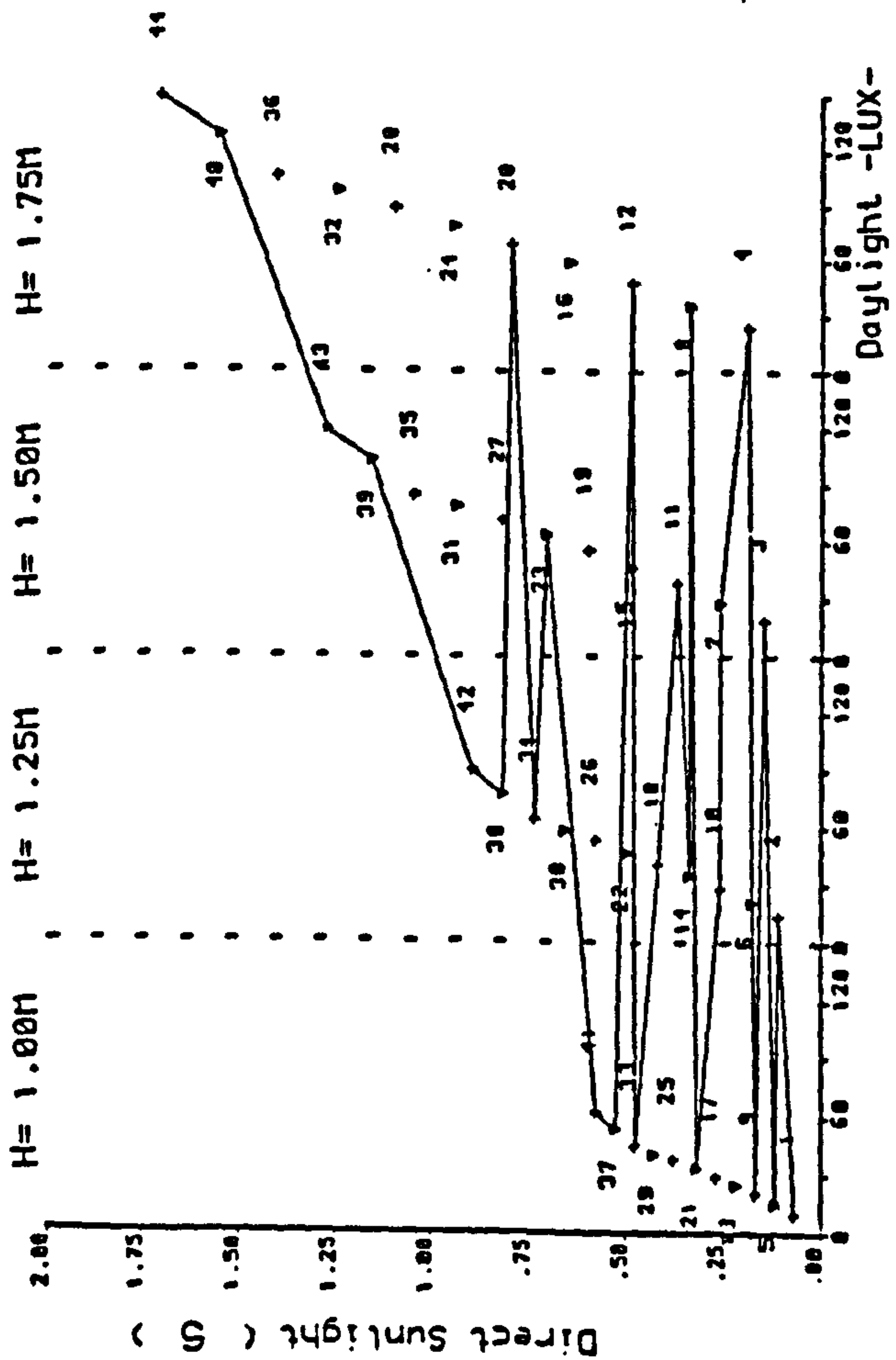




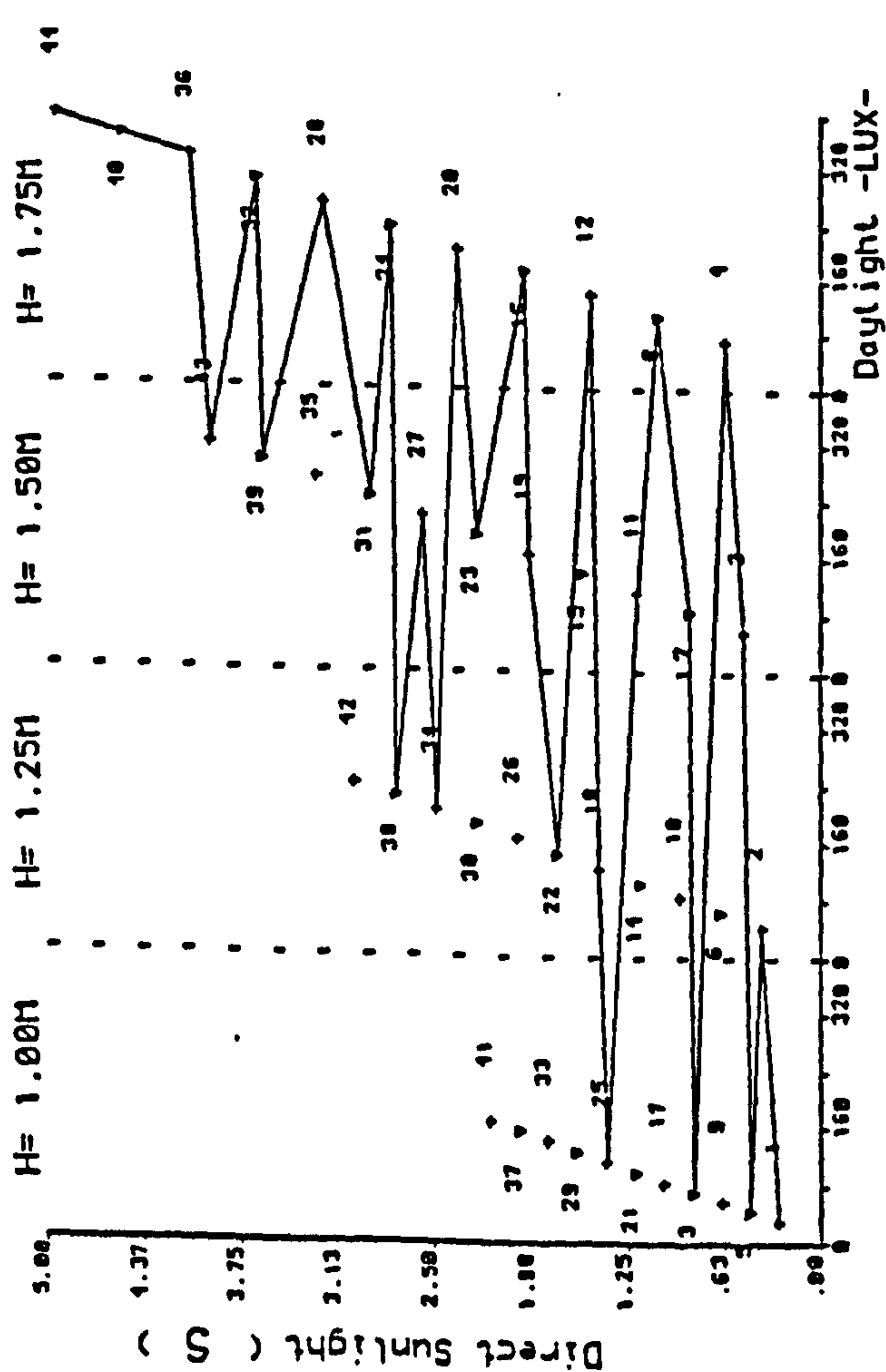
INTERHOUSE DISTANCE - 2.0 M -



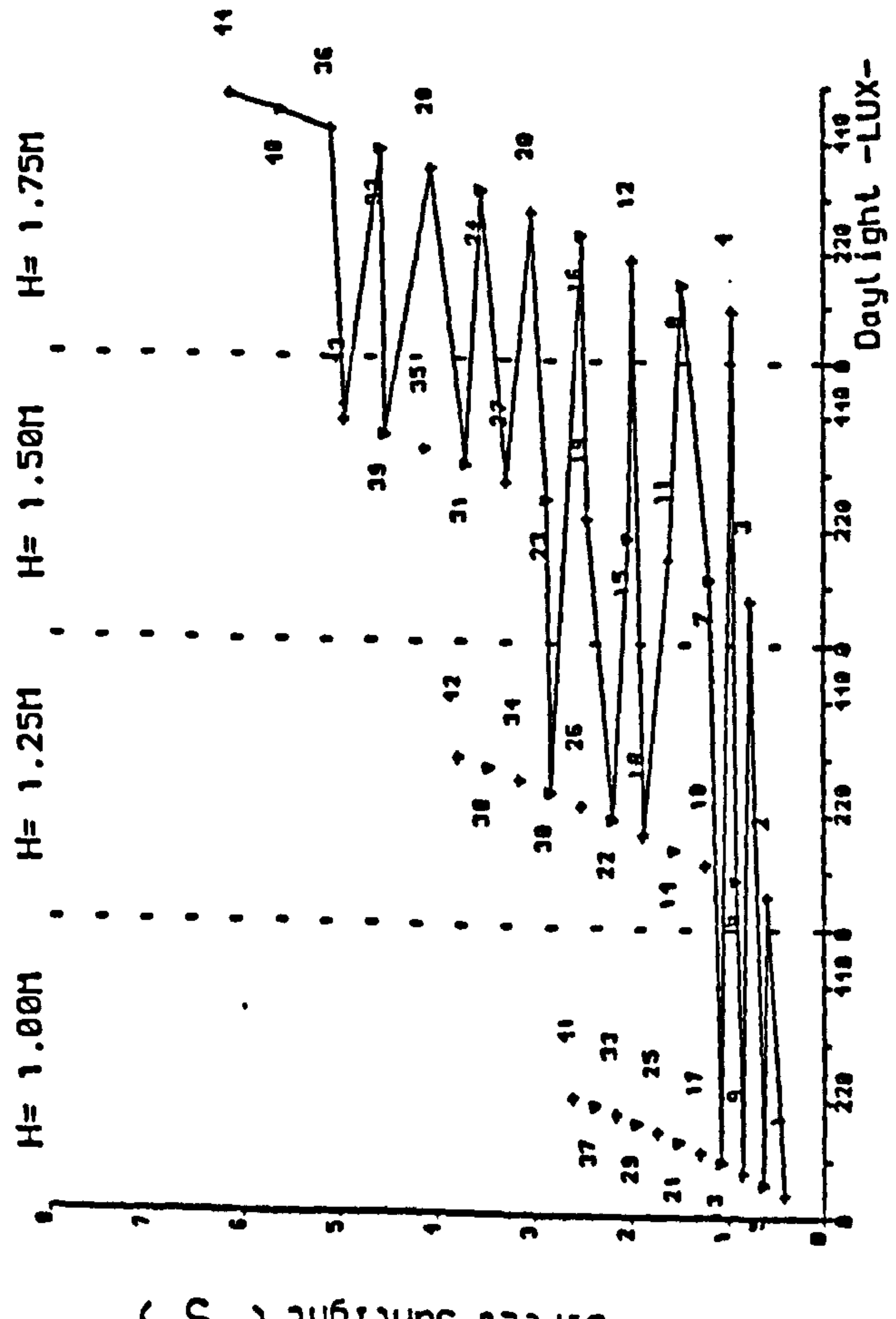
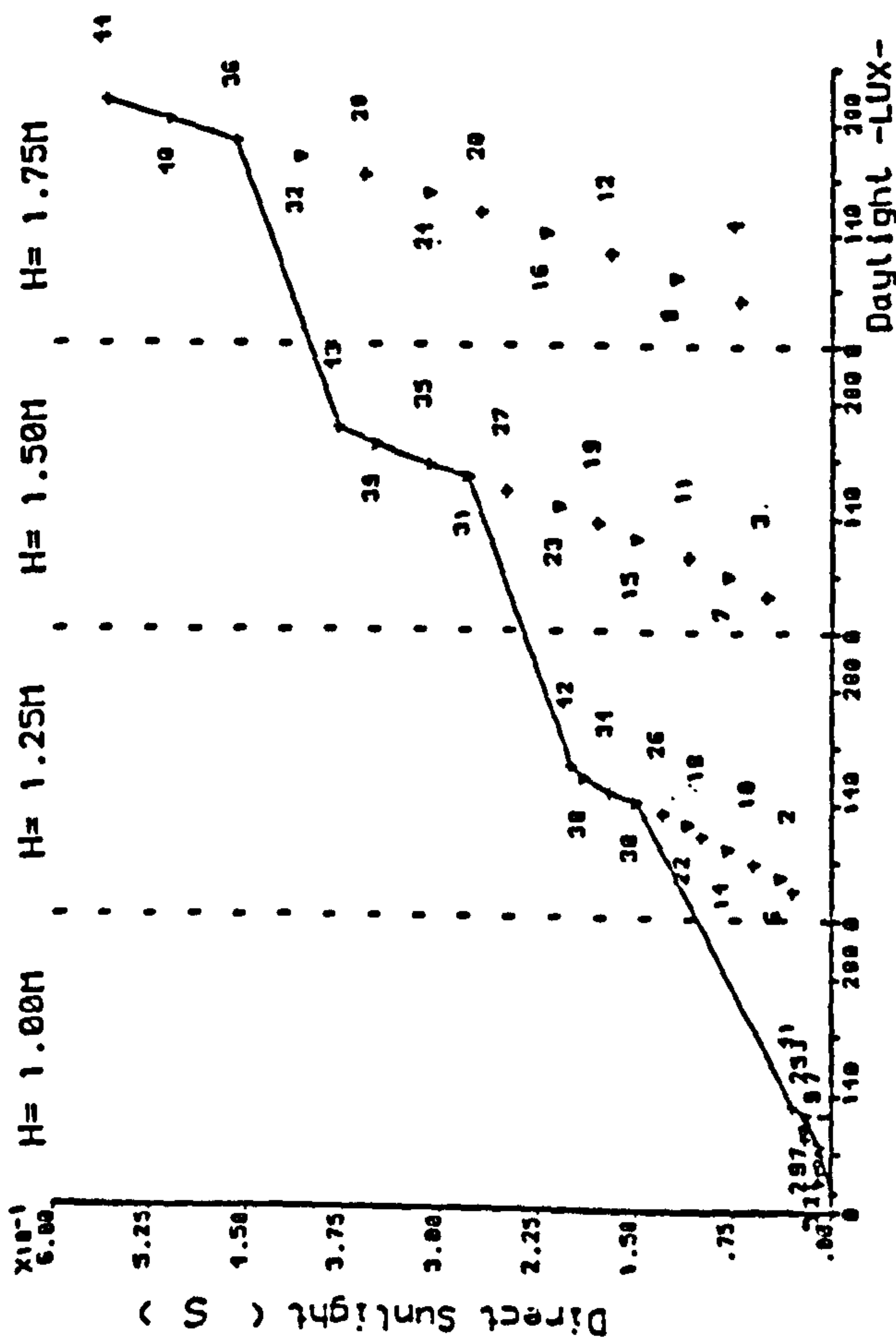
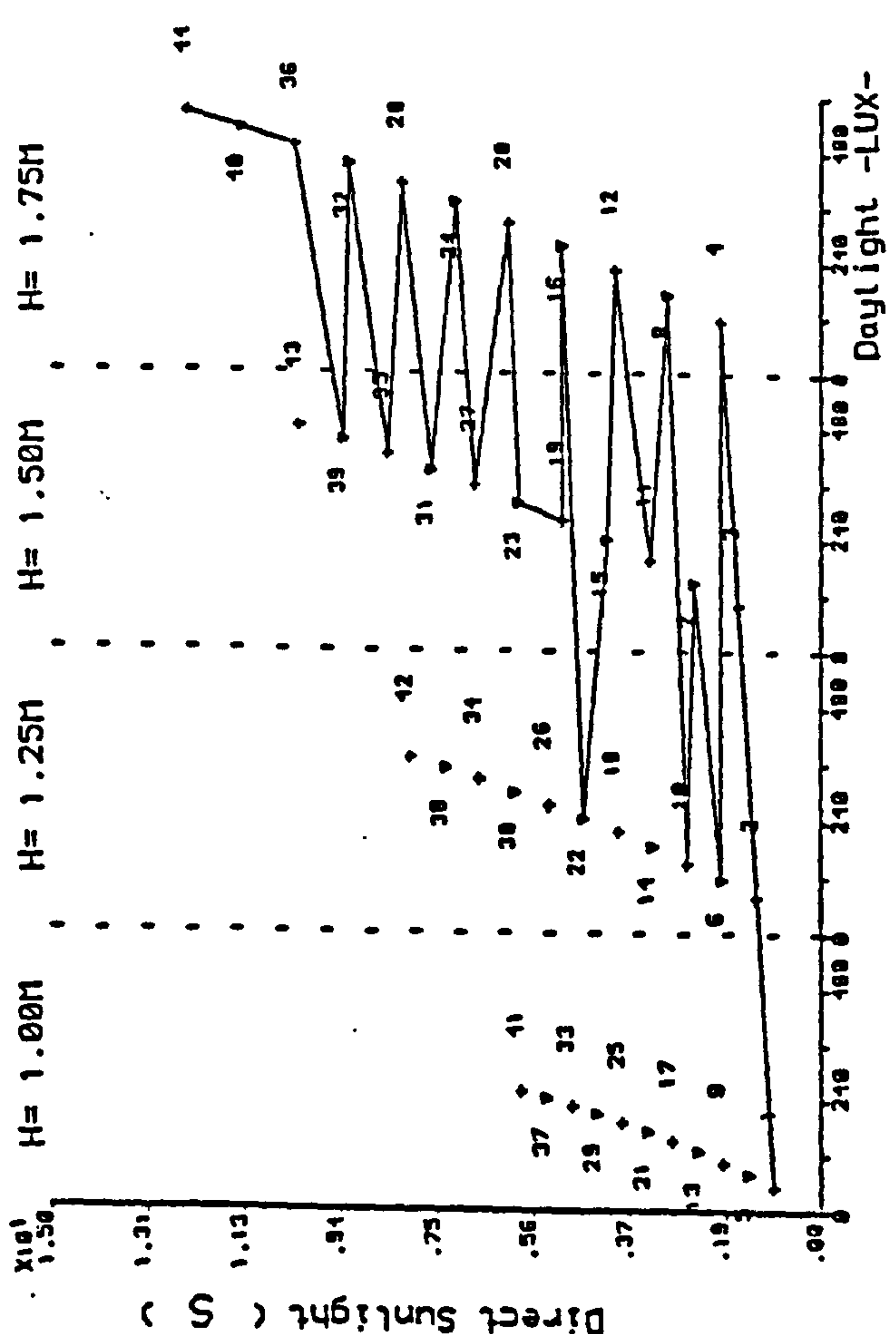
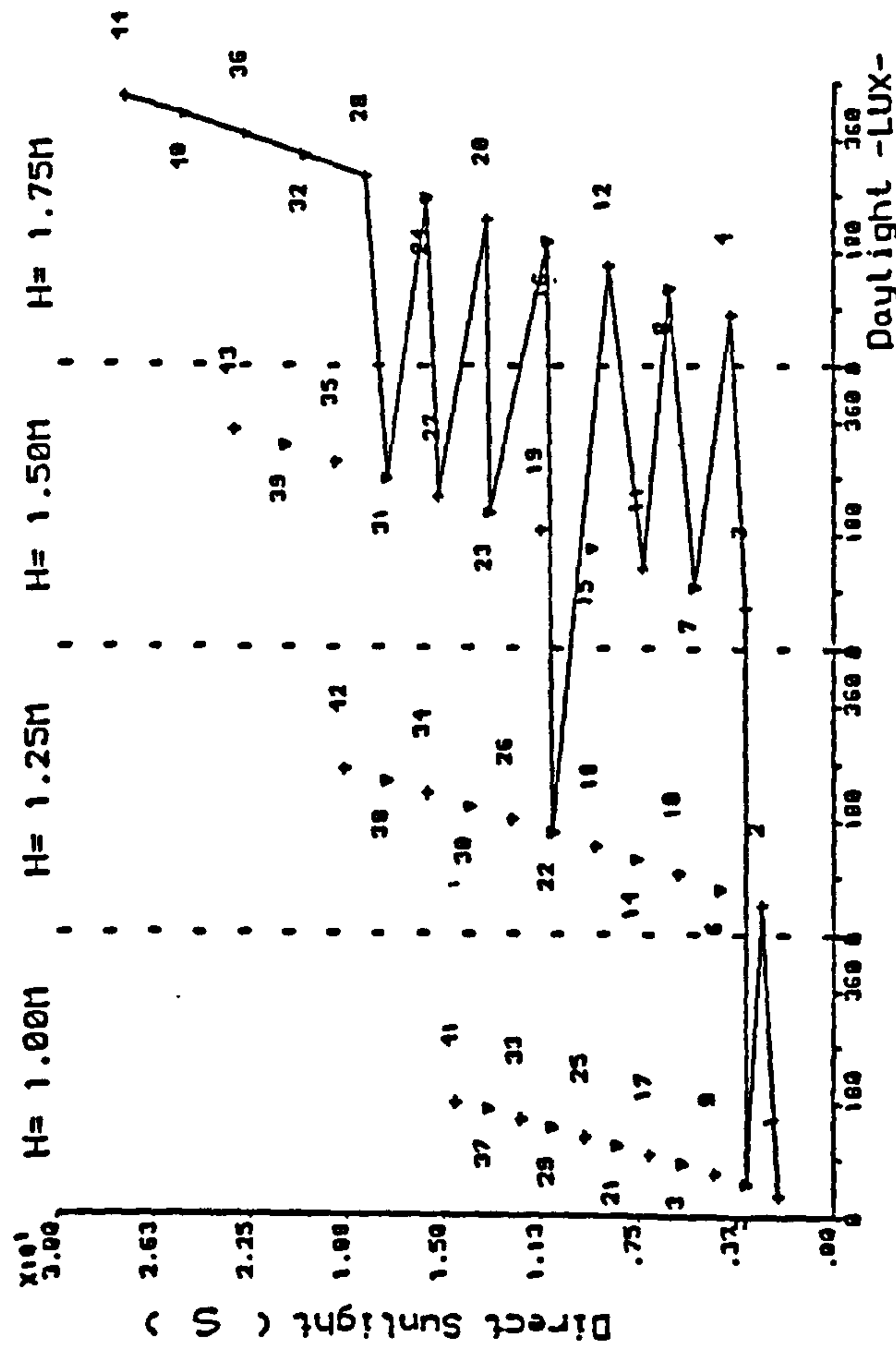
INTERHOUSE DISTANCE - 4.0 M -

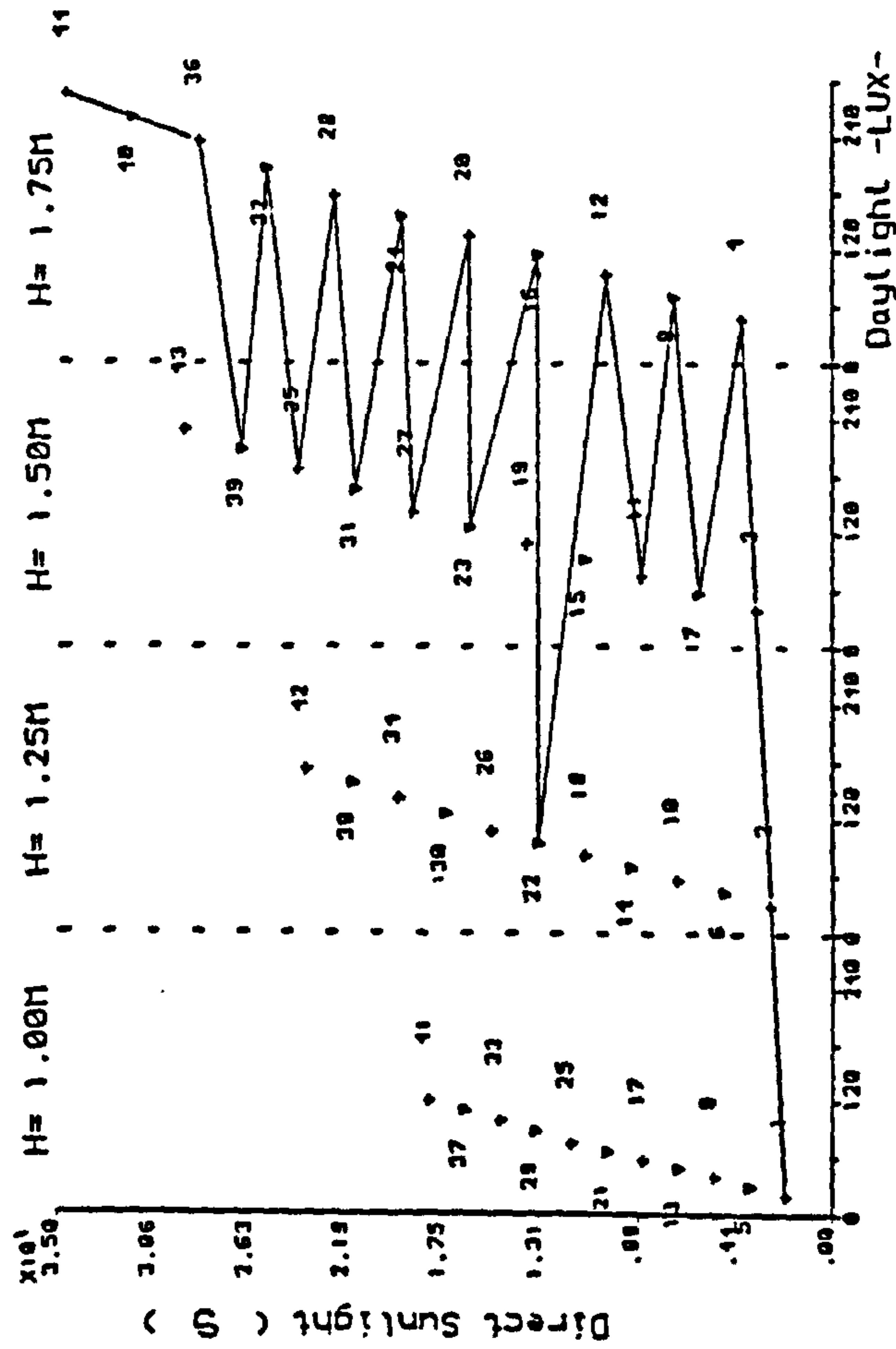


INTERHOUSE DISTANCE - 1.0 M -

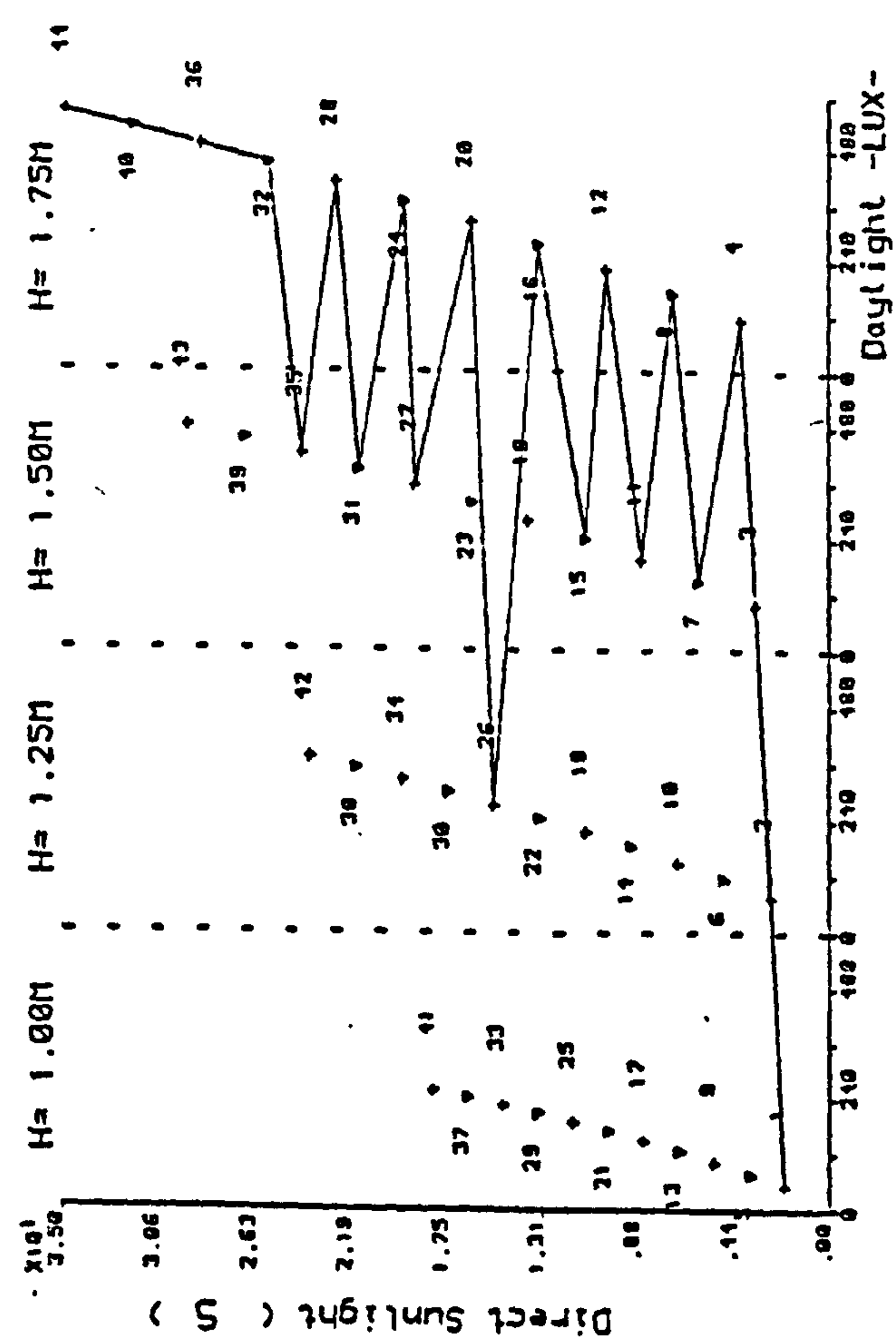


INTERHOUSE DISTANCE - 3.0 M -

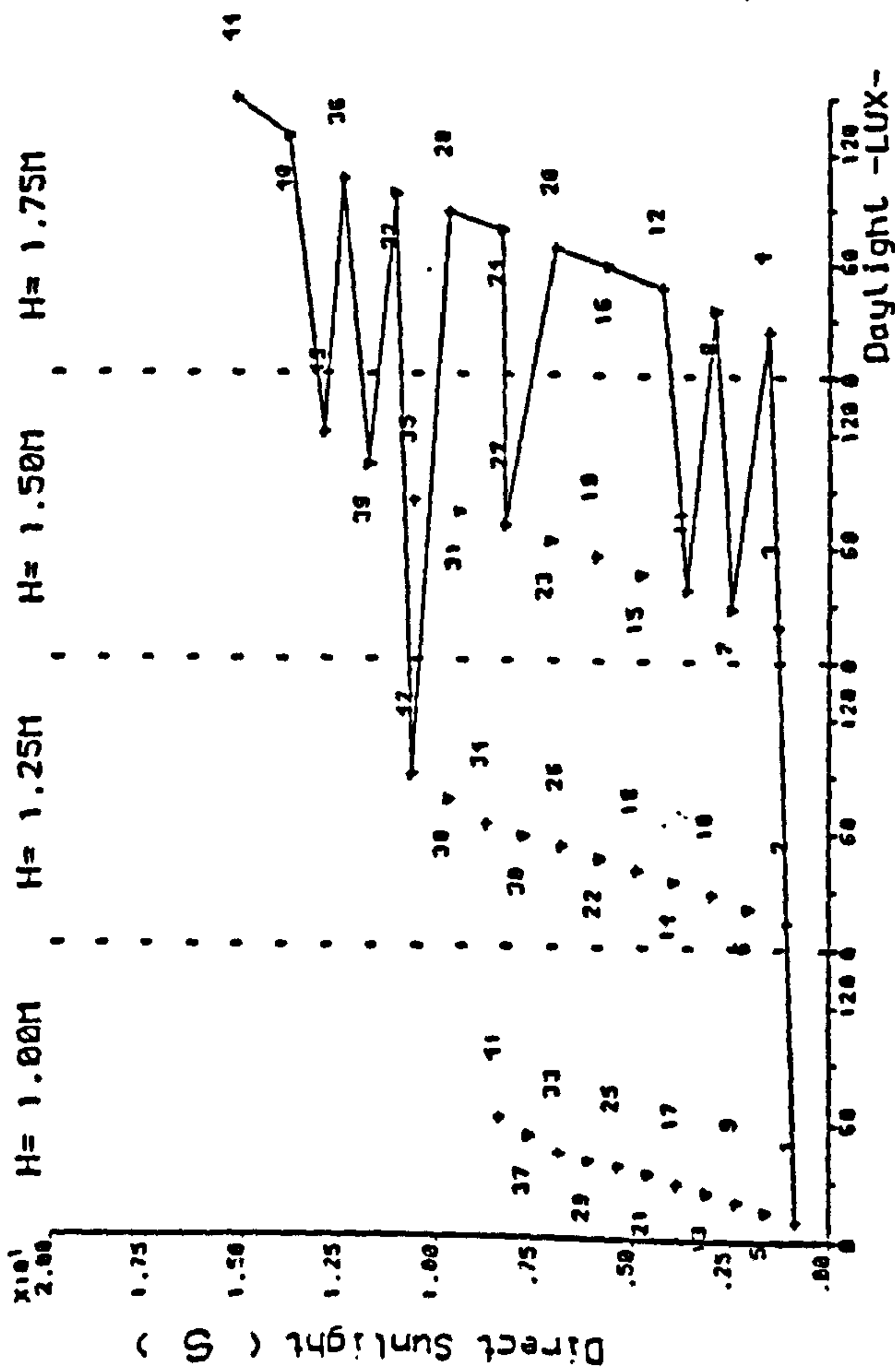




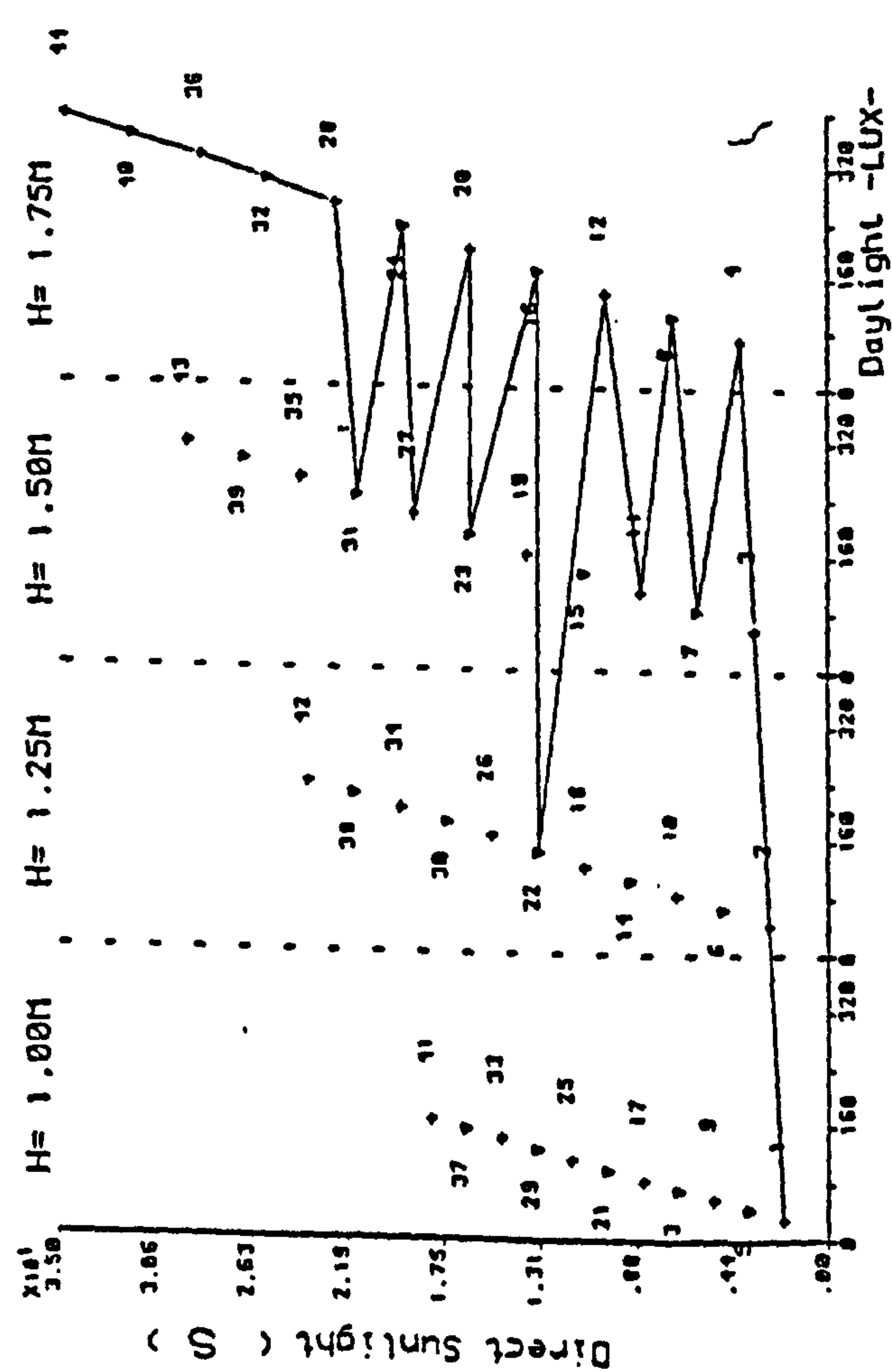
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -

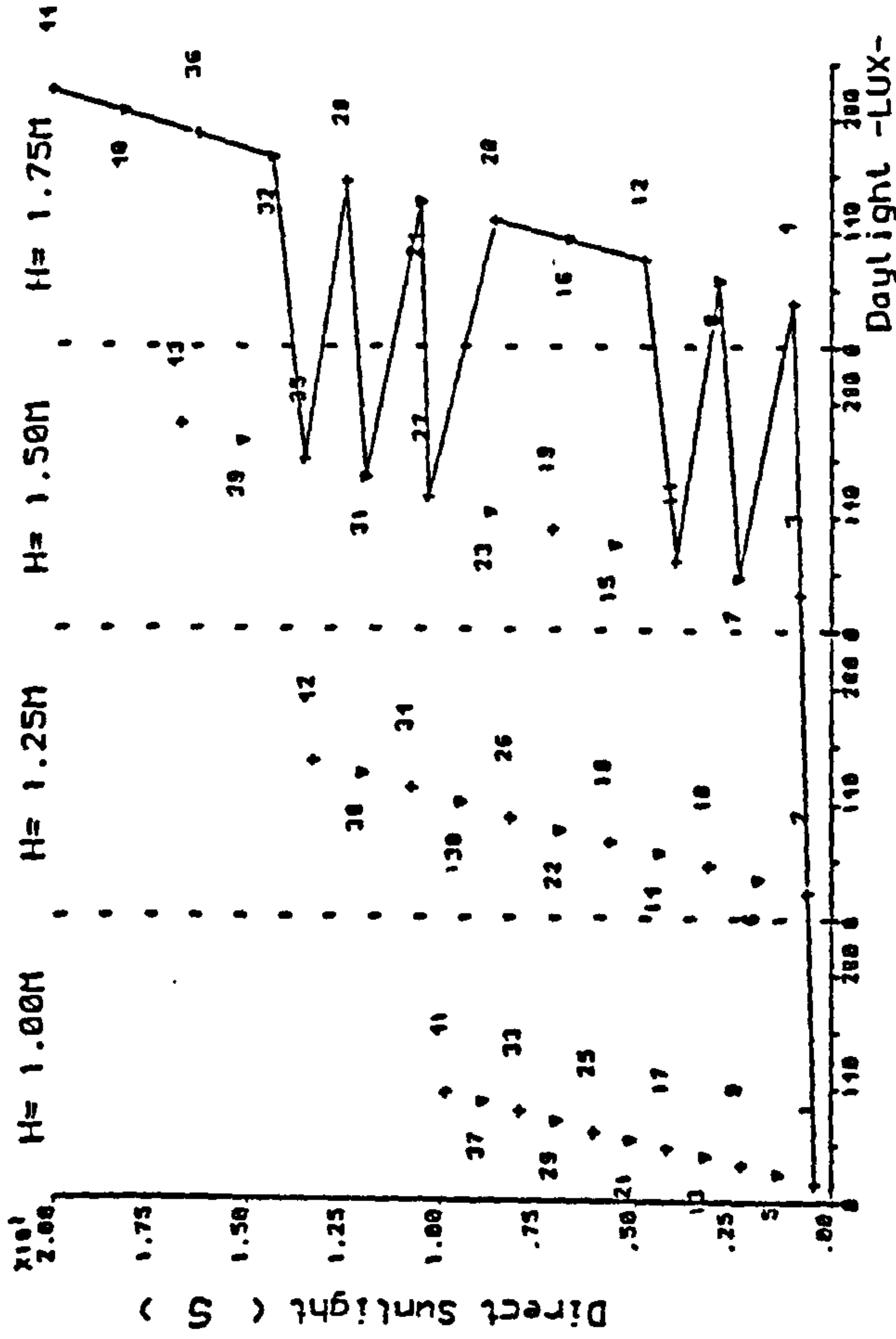
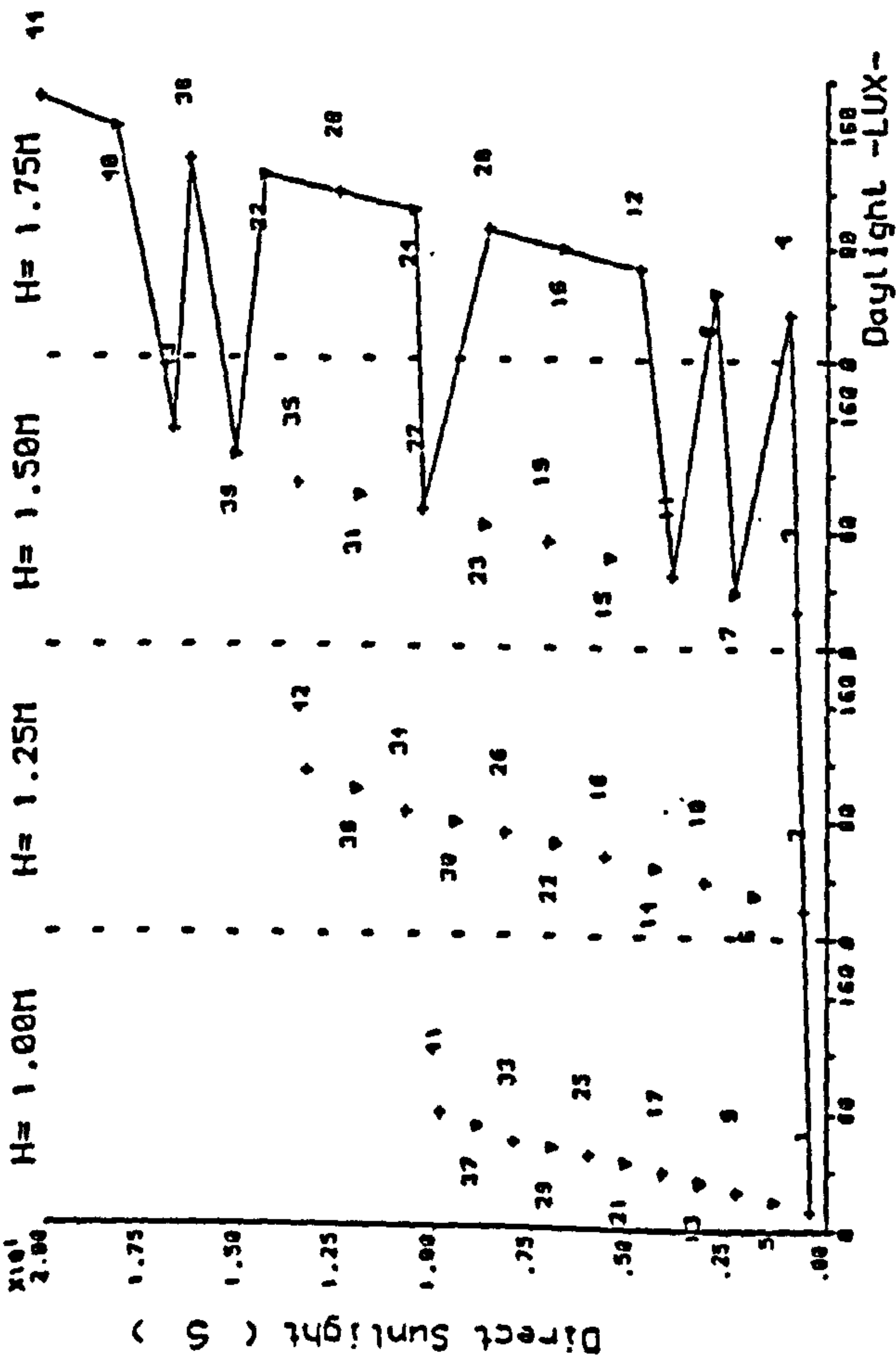


INTERHOUSE DISTANCE - 3.0 M -



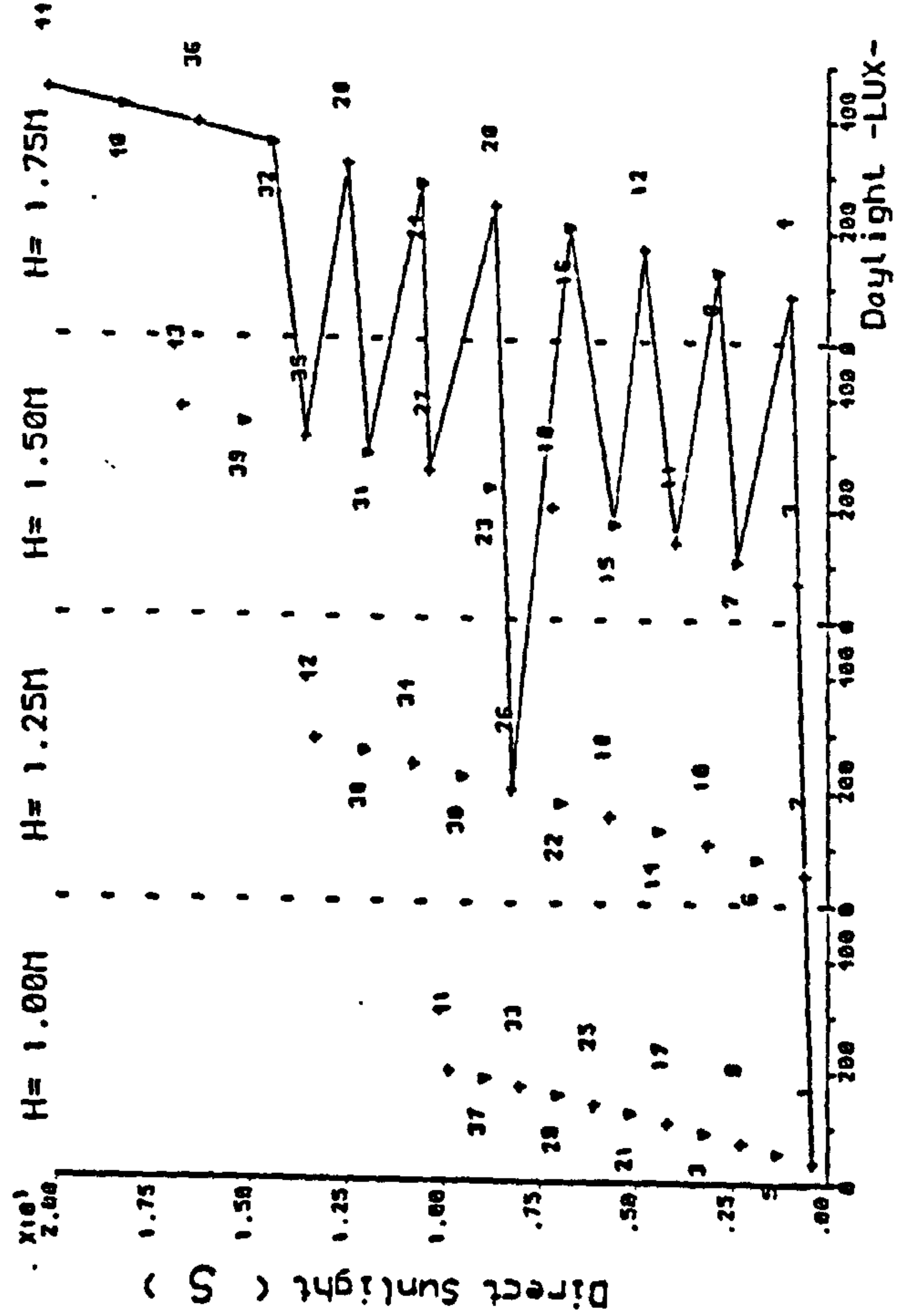
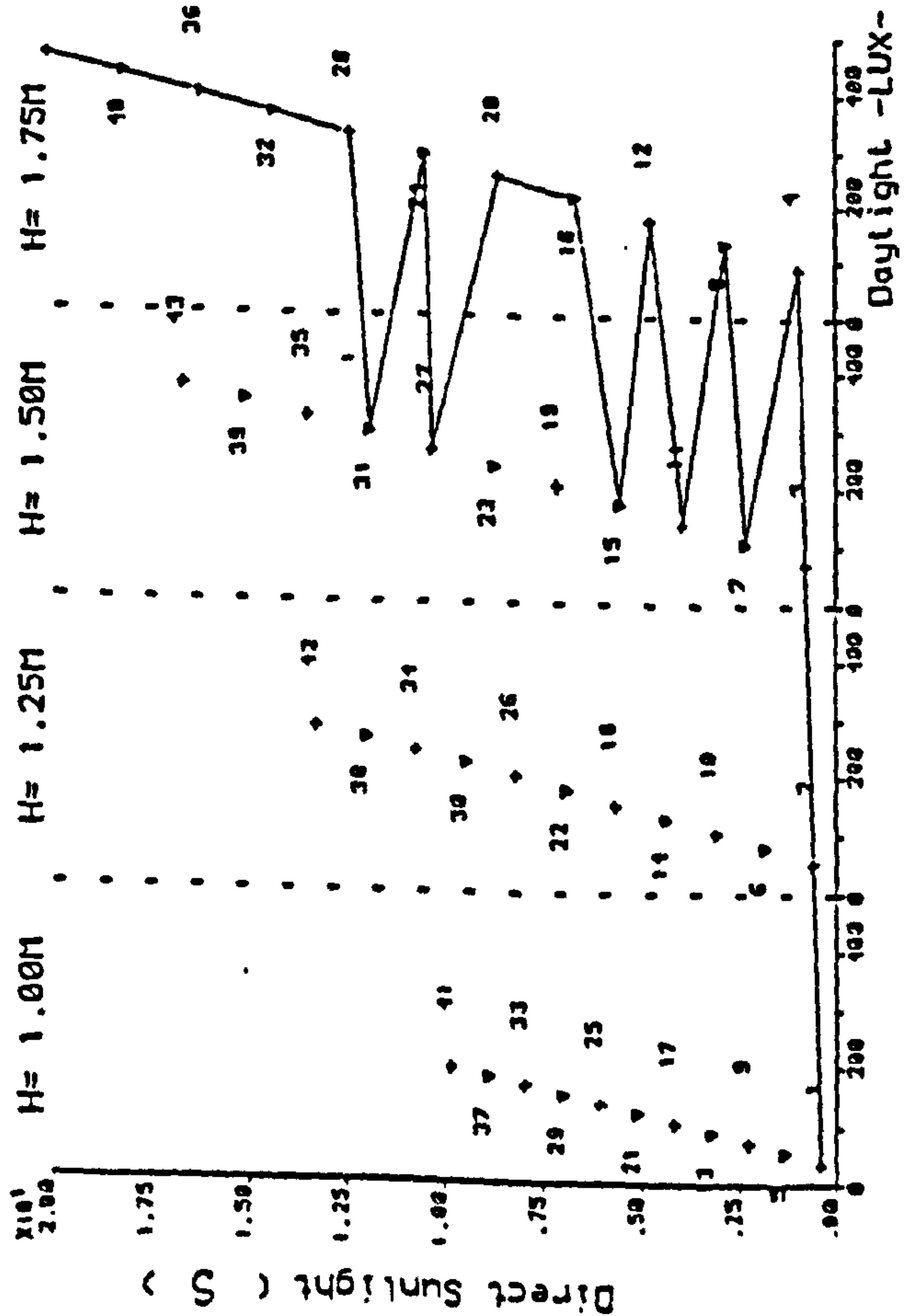
INTERHOUSE DISTANCE - 4.0 M -





INTERHOUSE DISTANCE - 1.0 M -

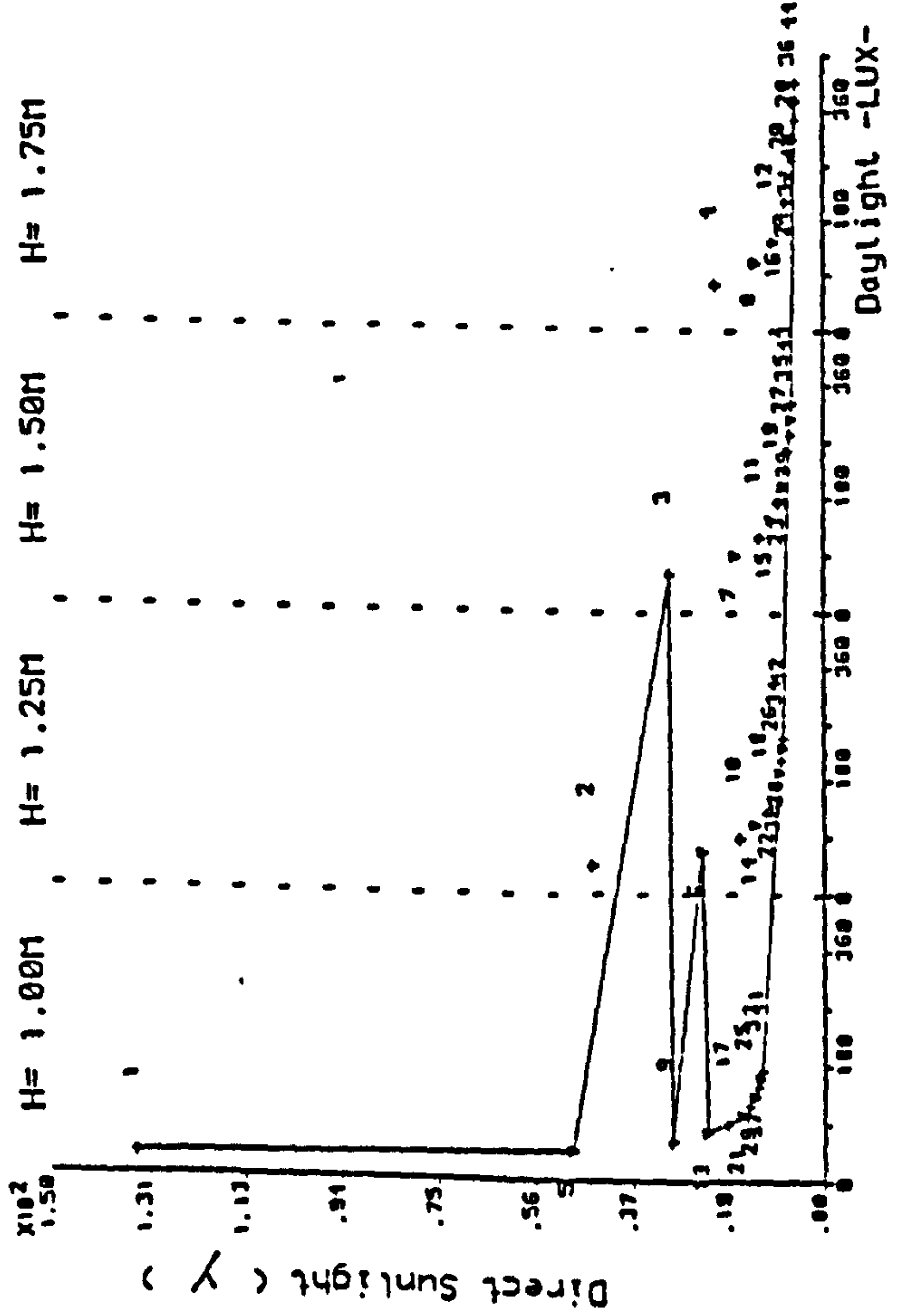
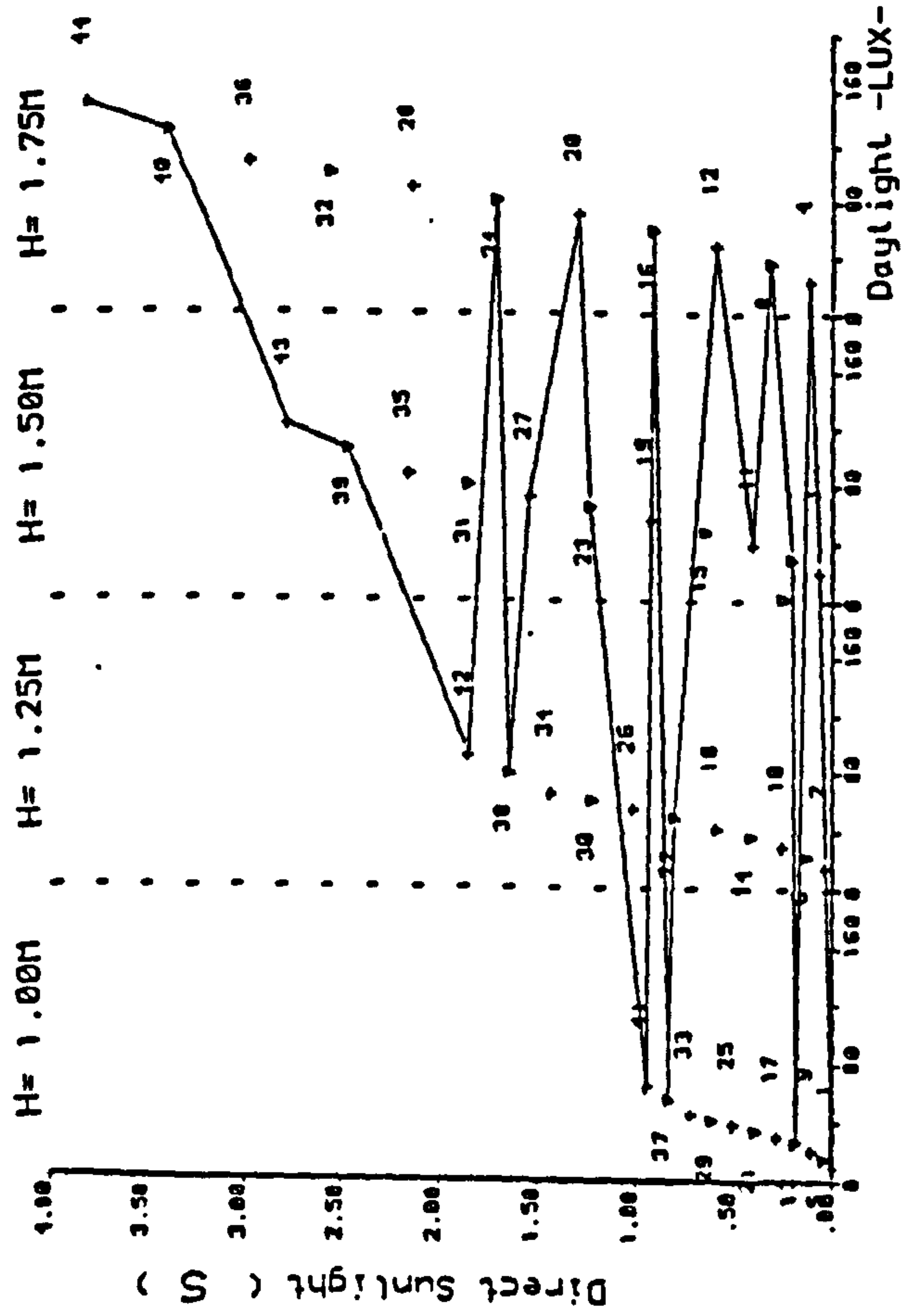
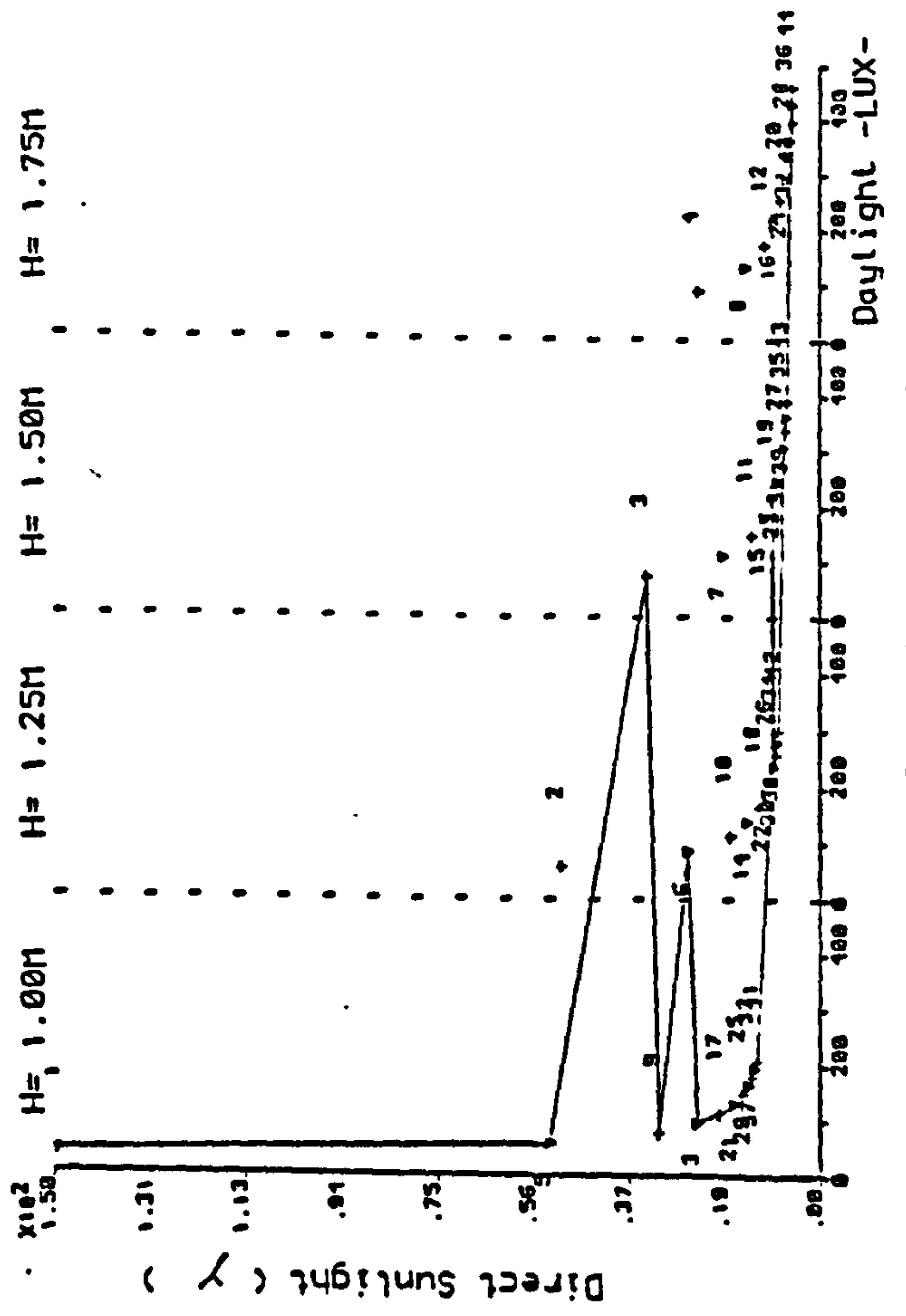
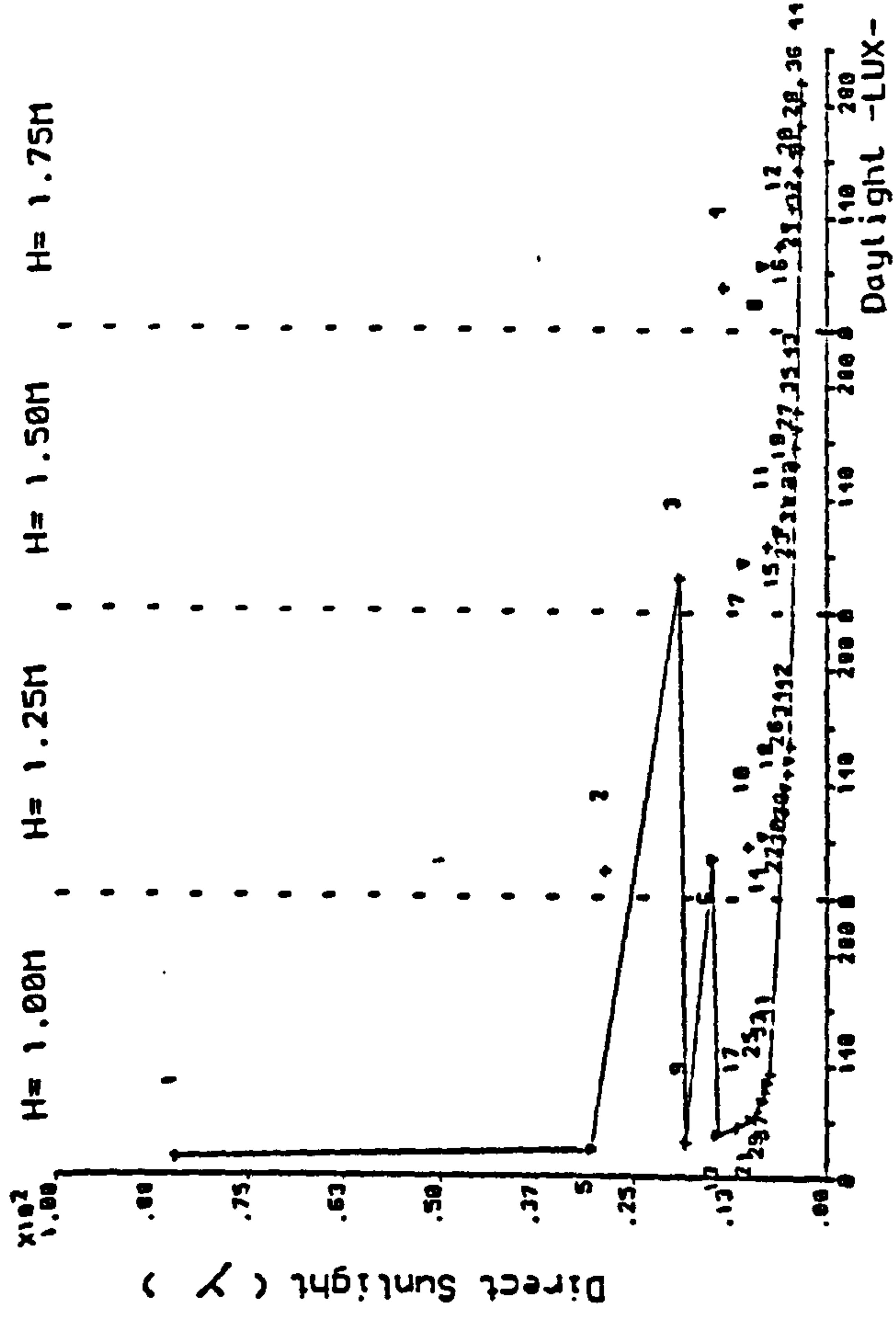
INTERHOUSE DISTANCE - 2.0 M -

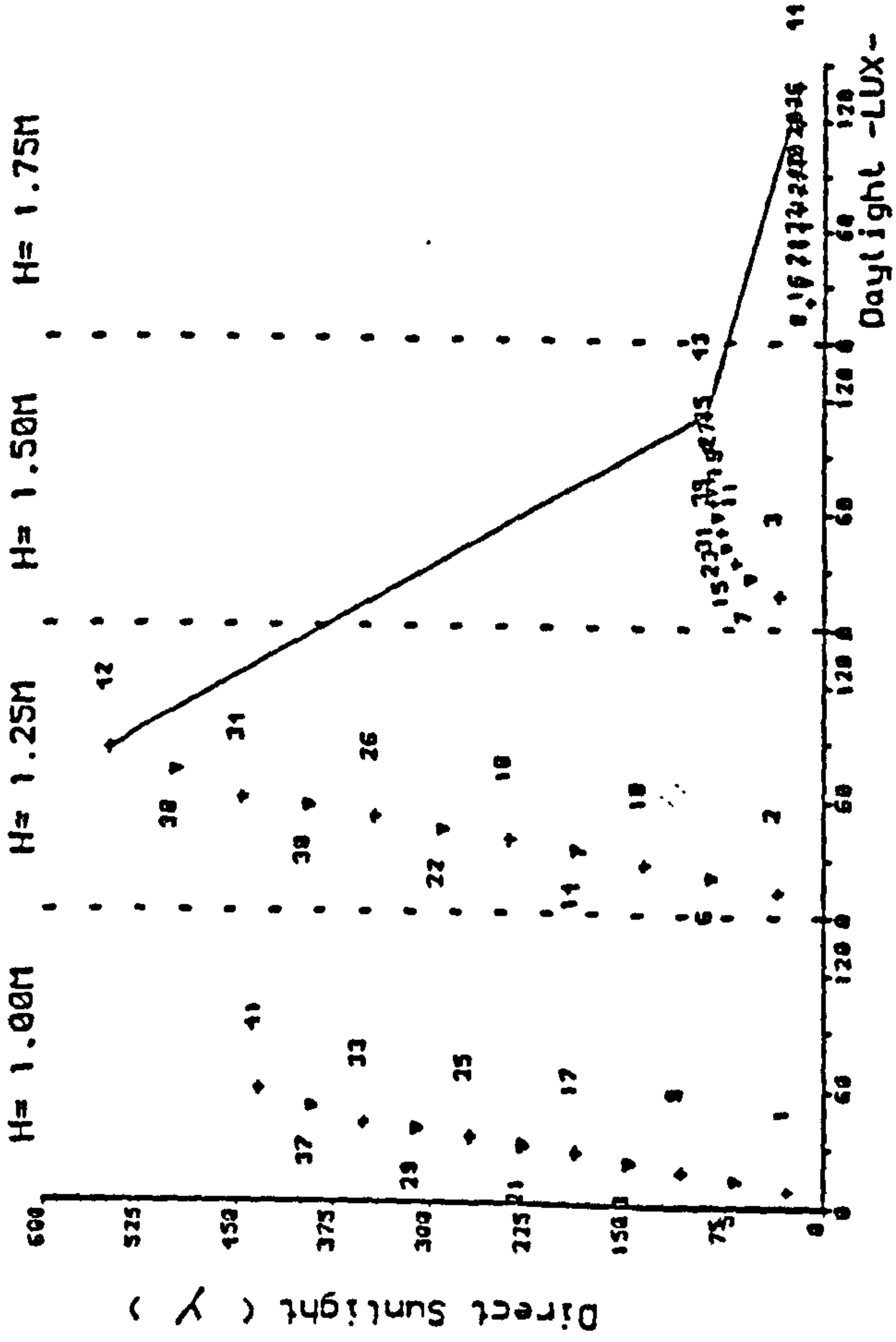


INTERHOUSE DISTANCE - 3.0 M -

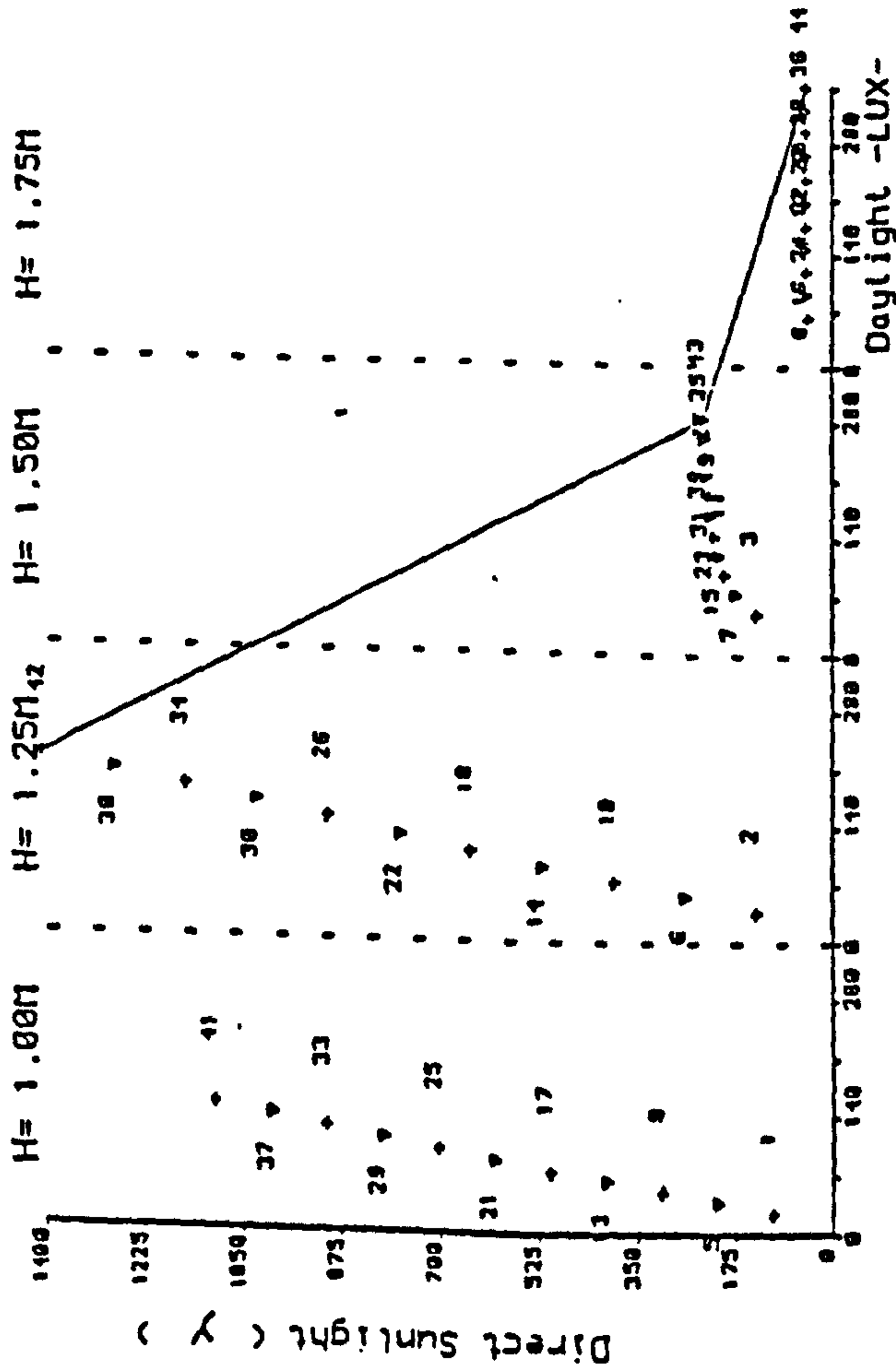
INTERHOUSE DISTANCE - 1.0 M -



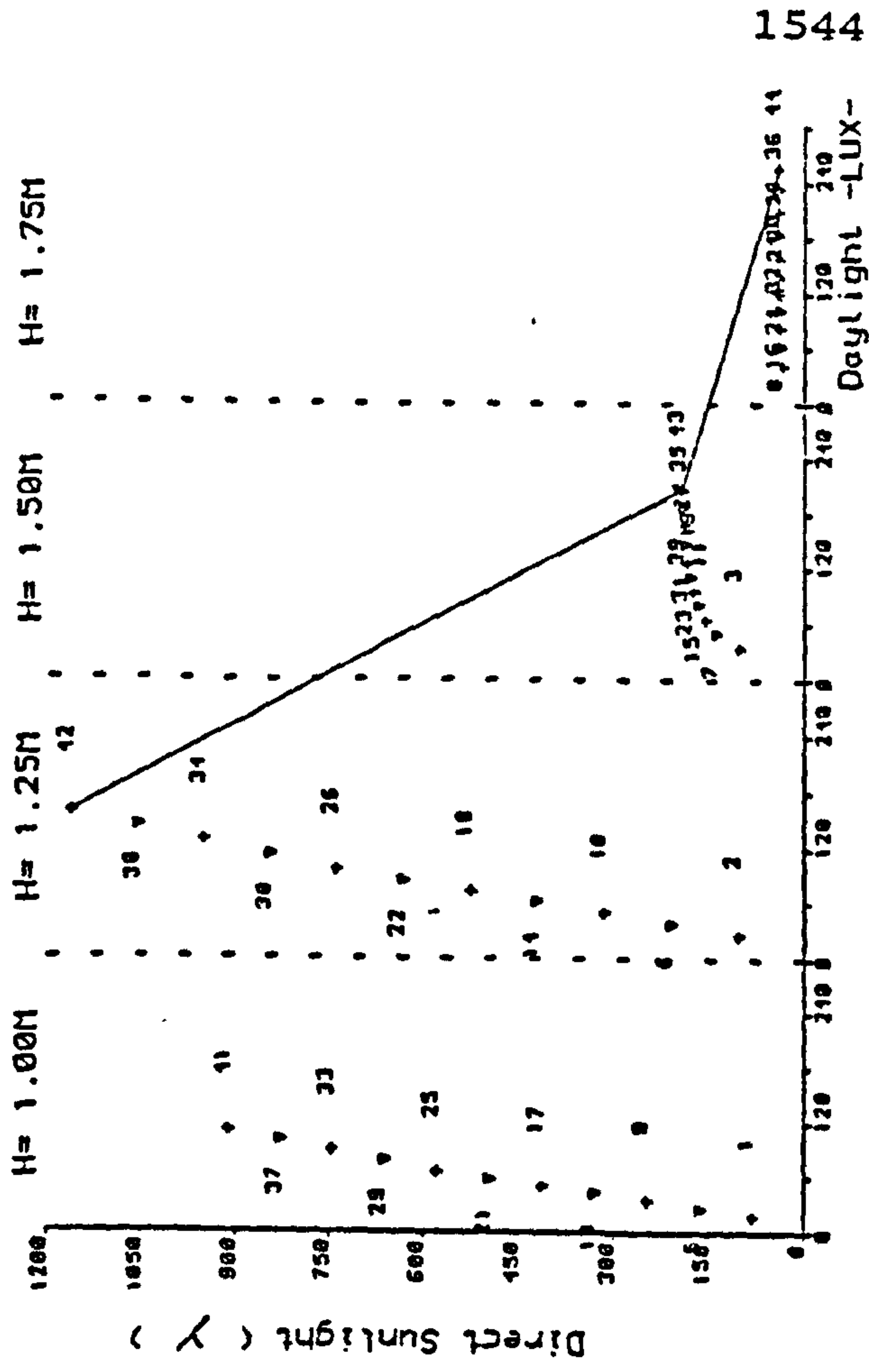




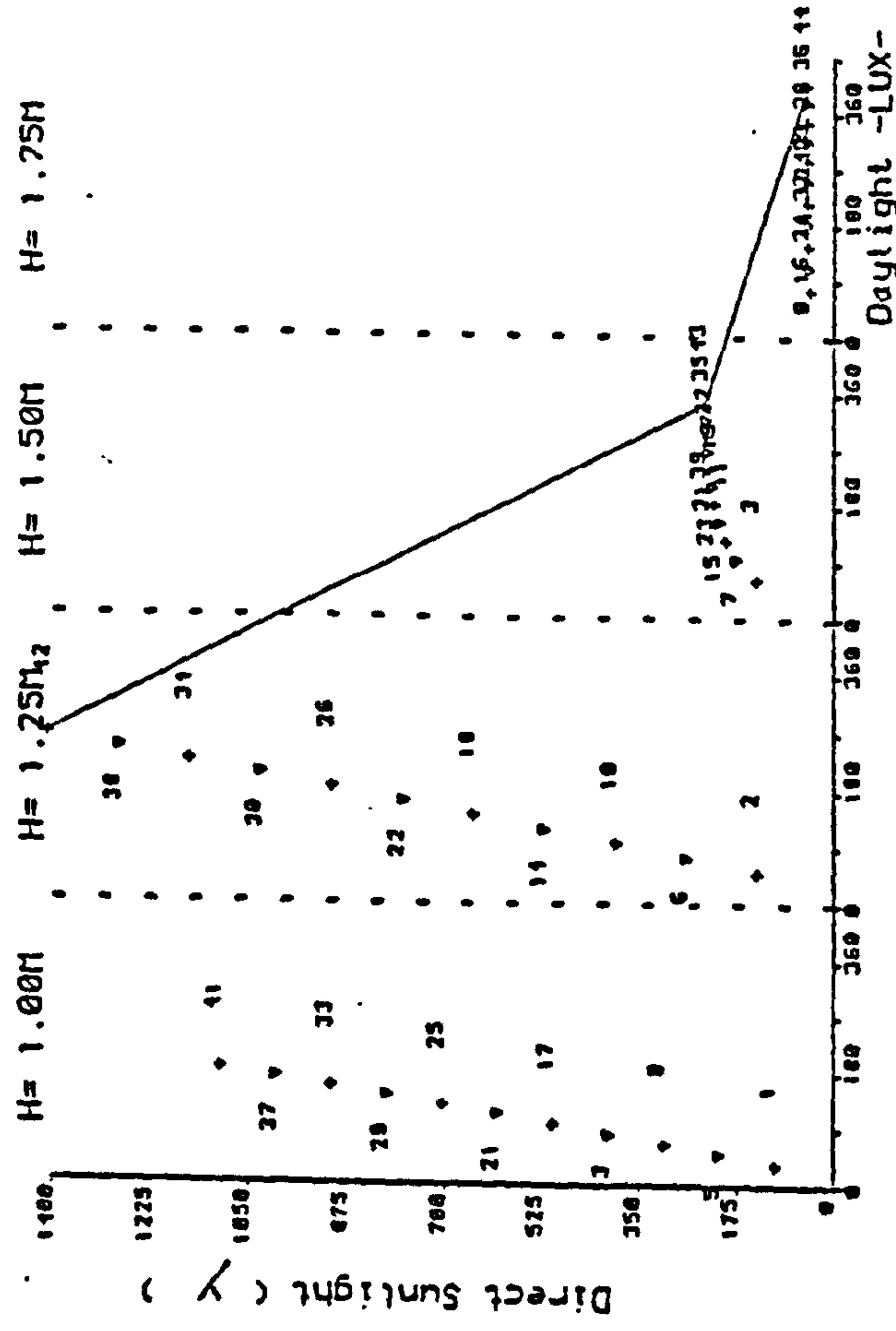
INTERHOUSE DISTANCE - 1.0 M -



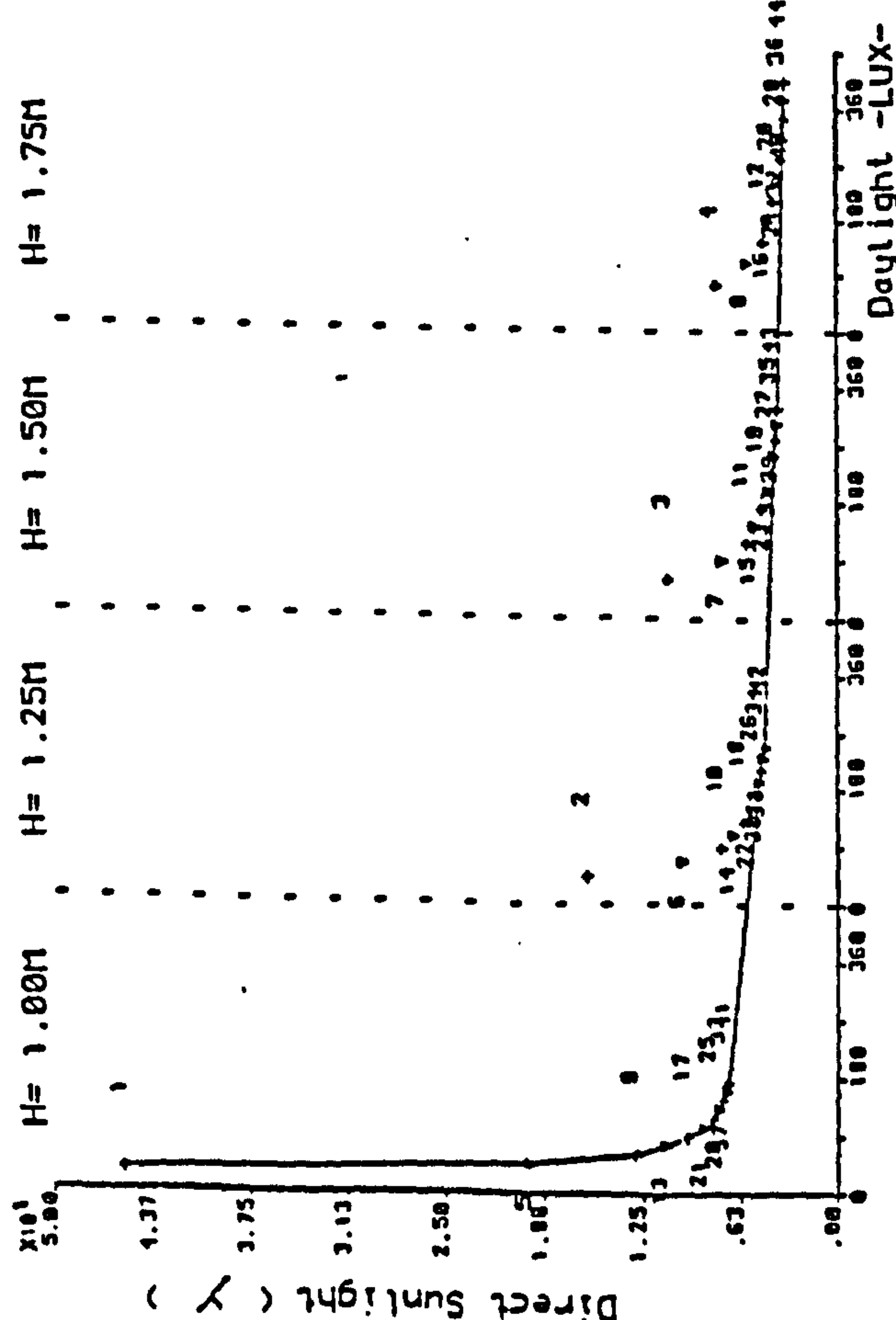
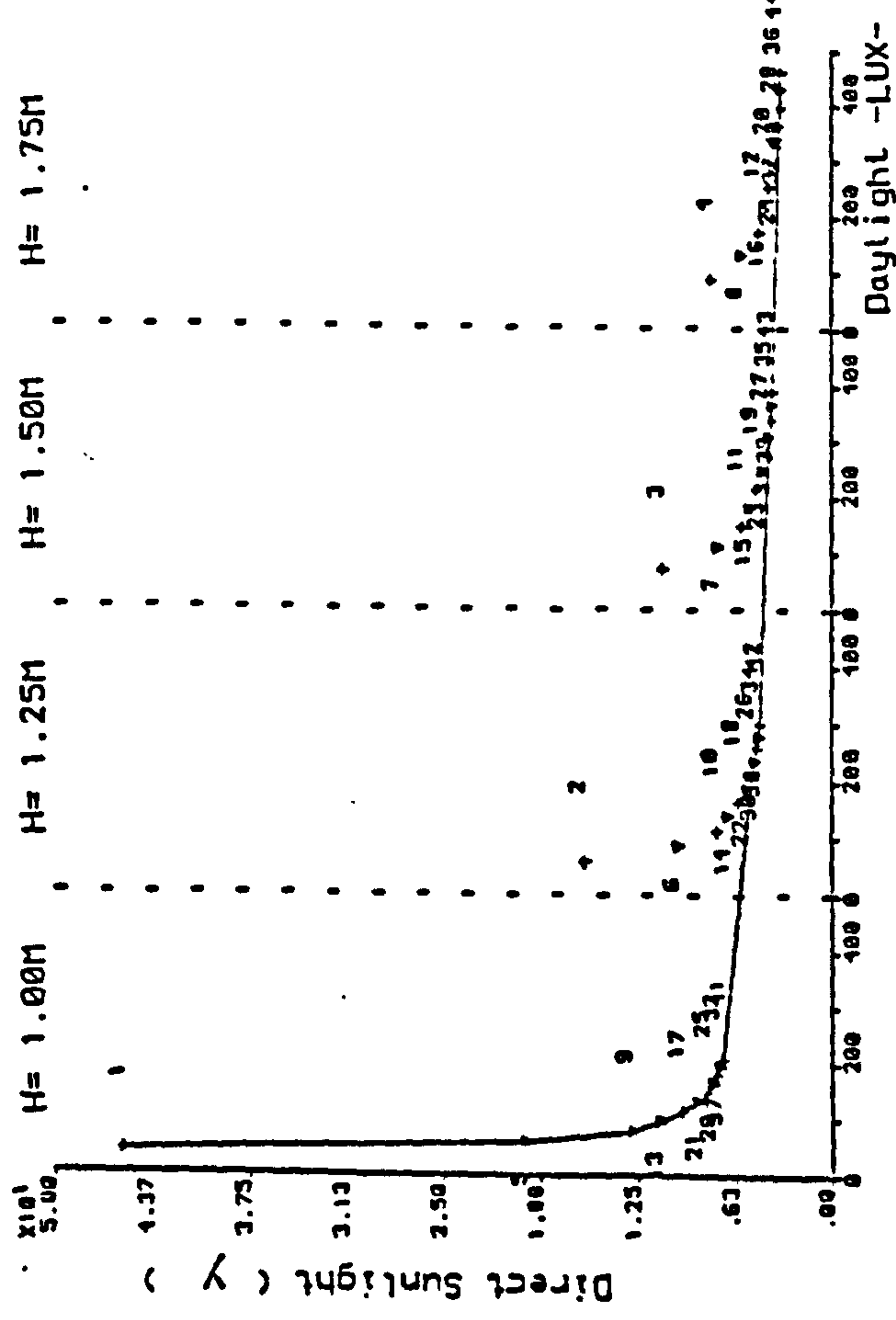
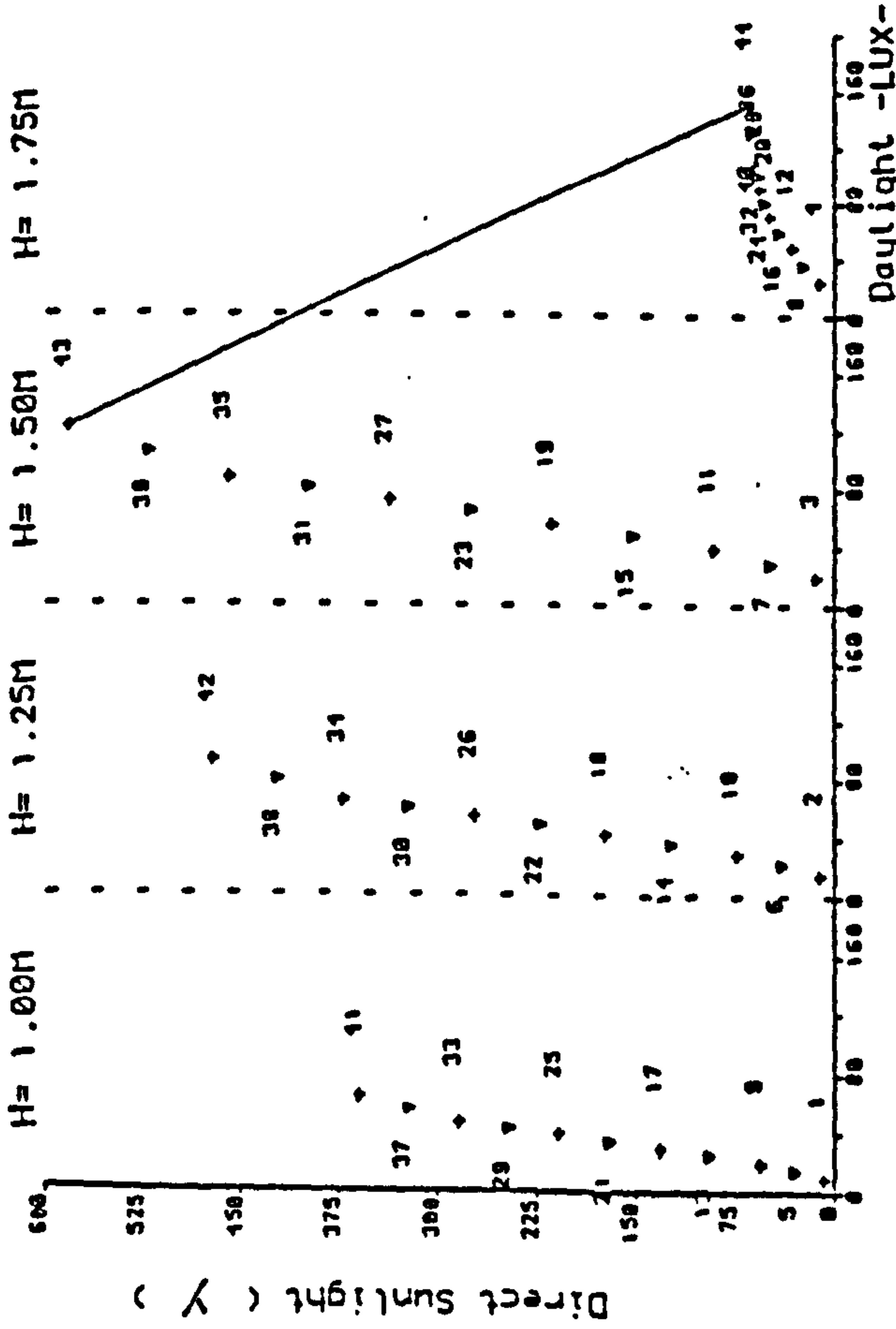
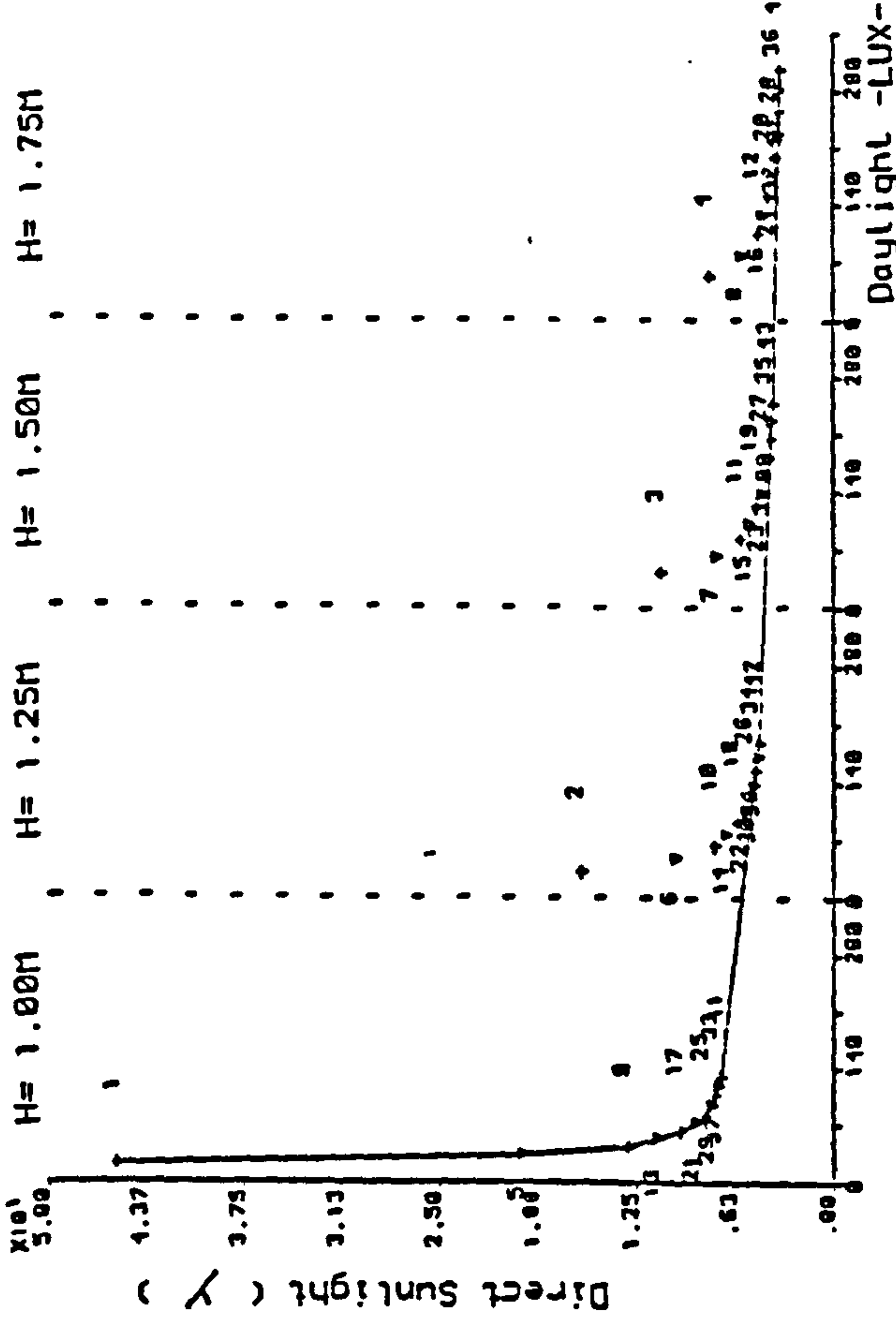
INTERHOUSE DISTANCE - 3.0 M -

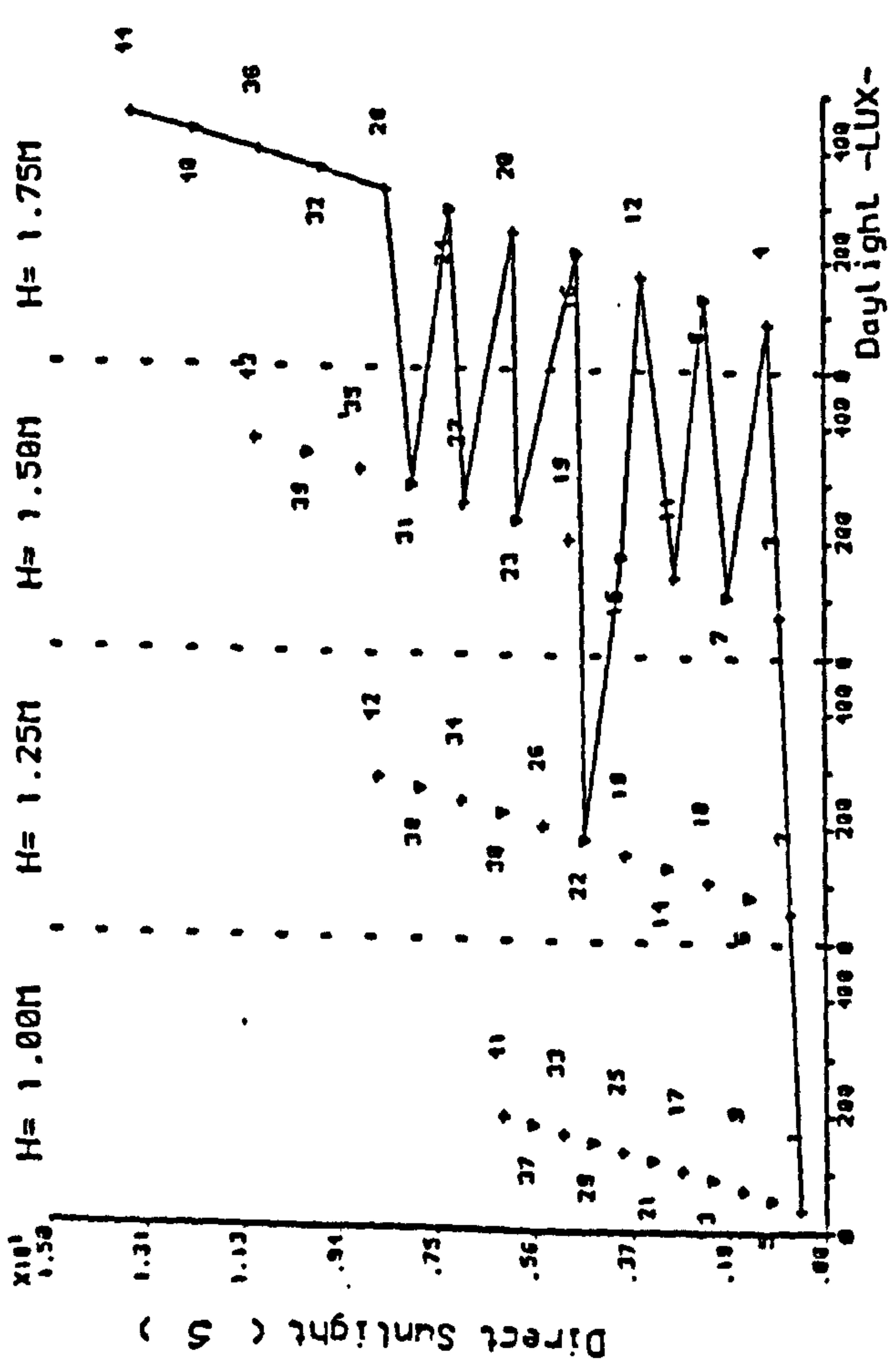
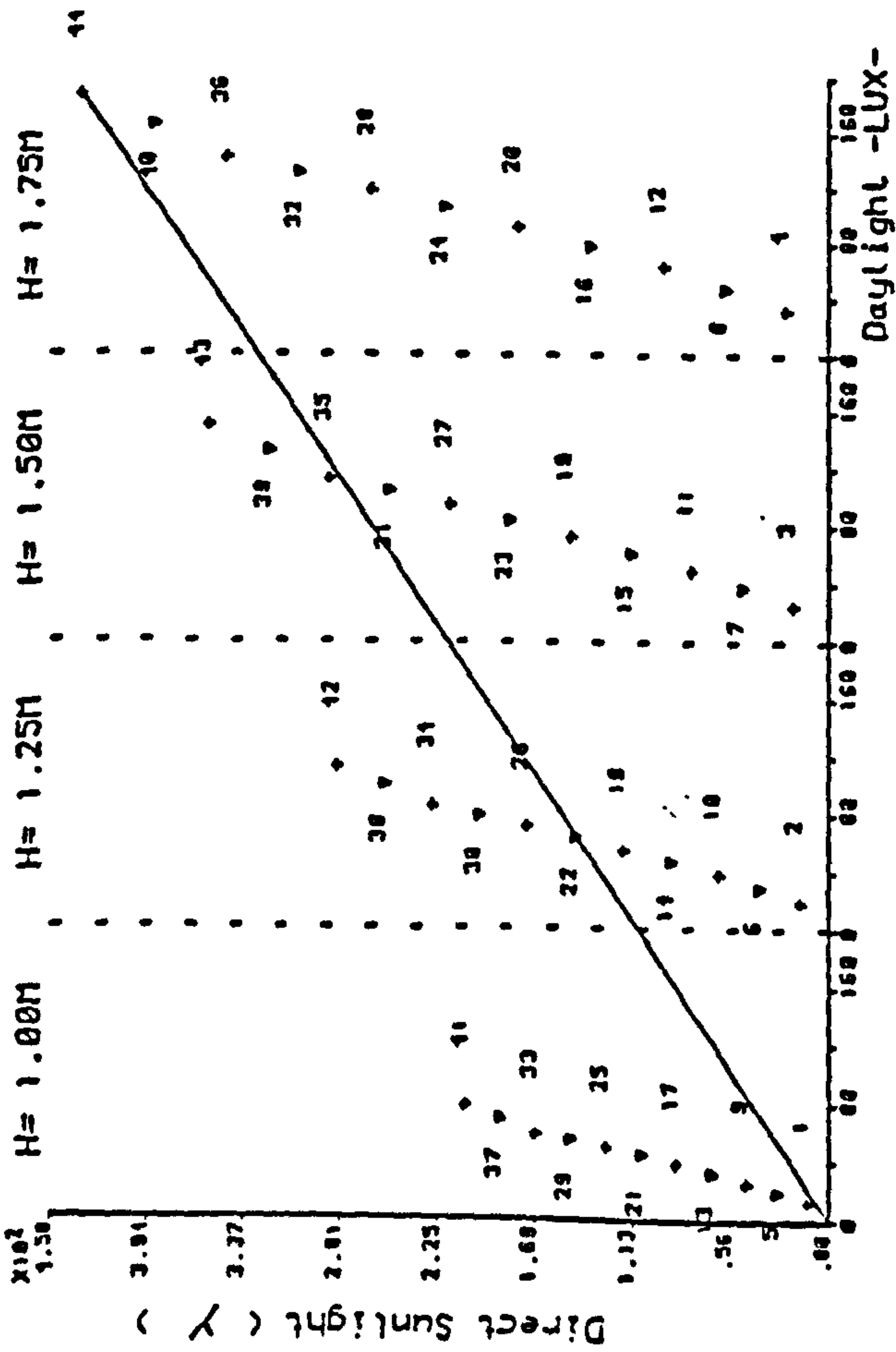
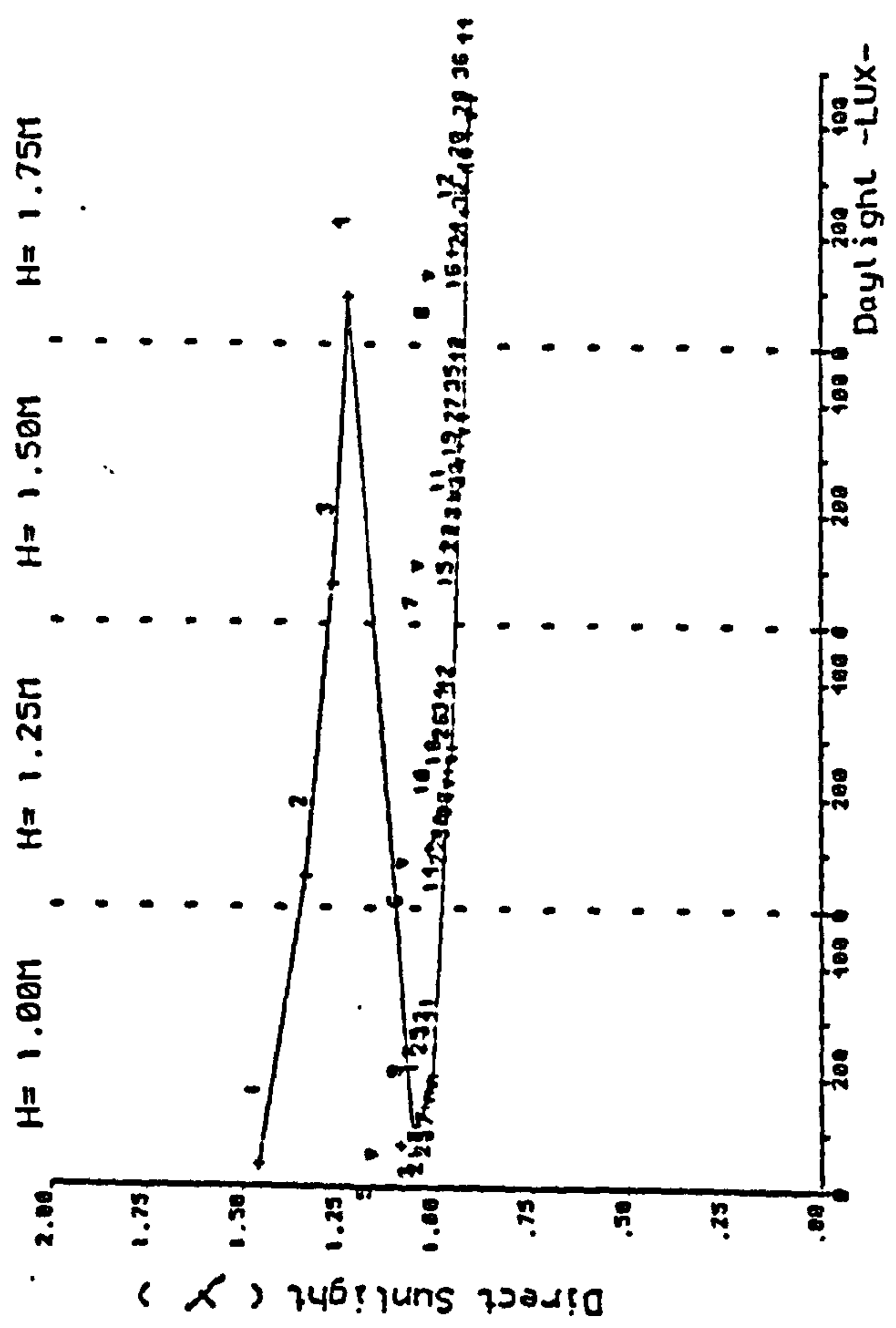
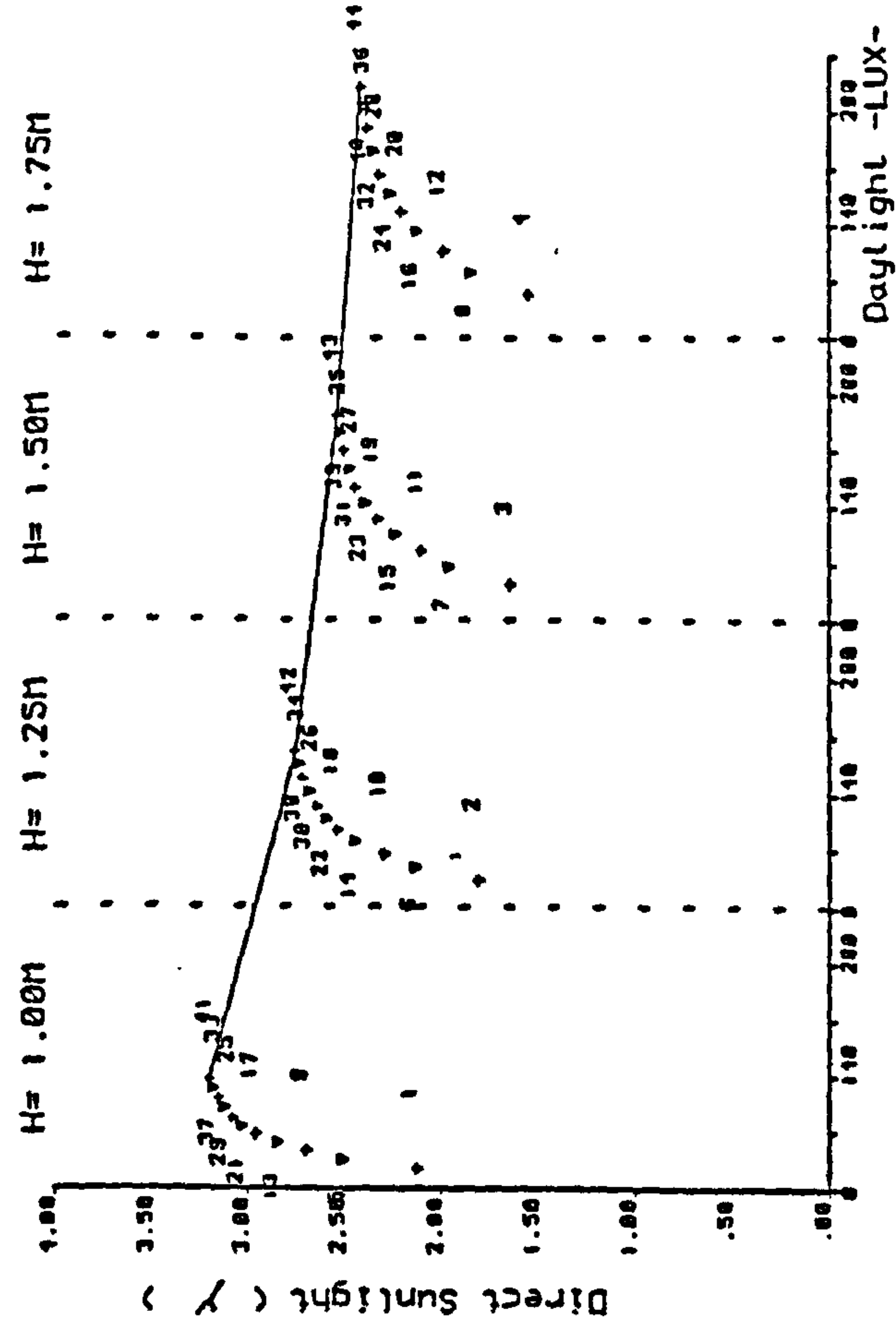


INTERHOUSE DISTANCE - 2.0 M -

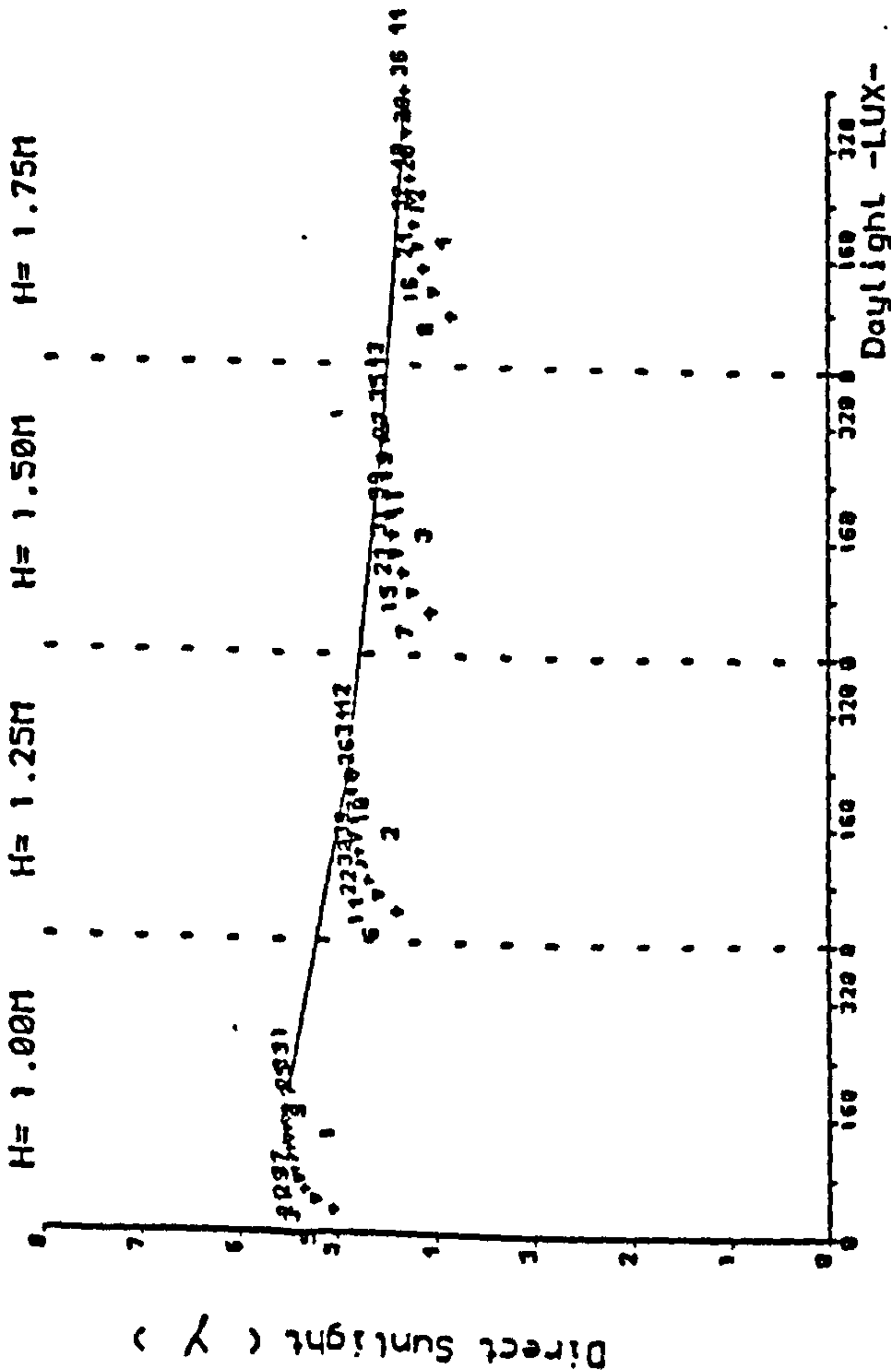
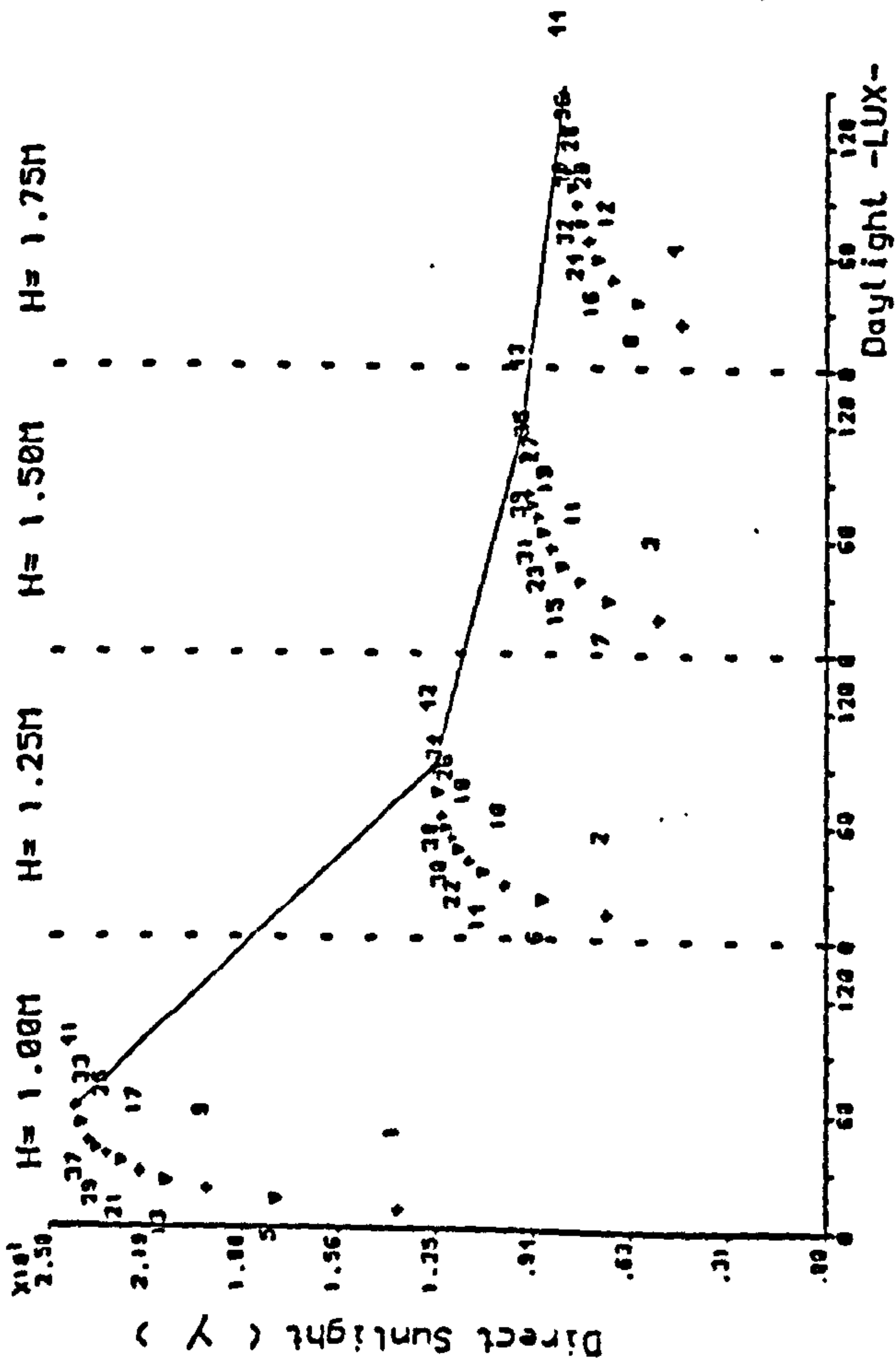
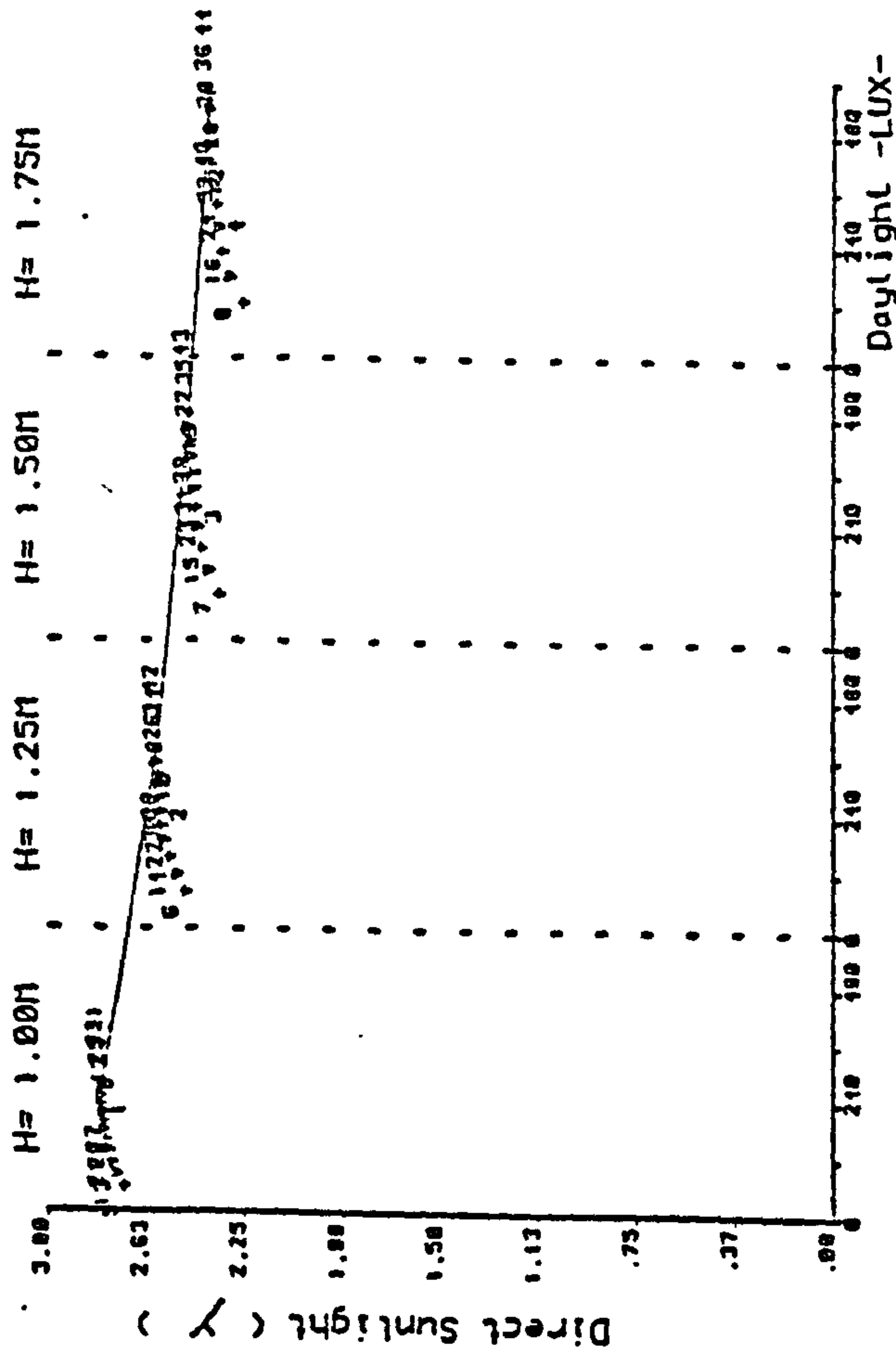
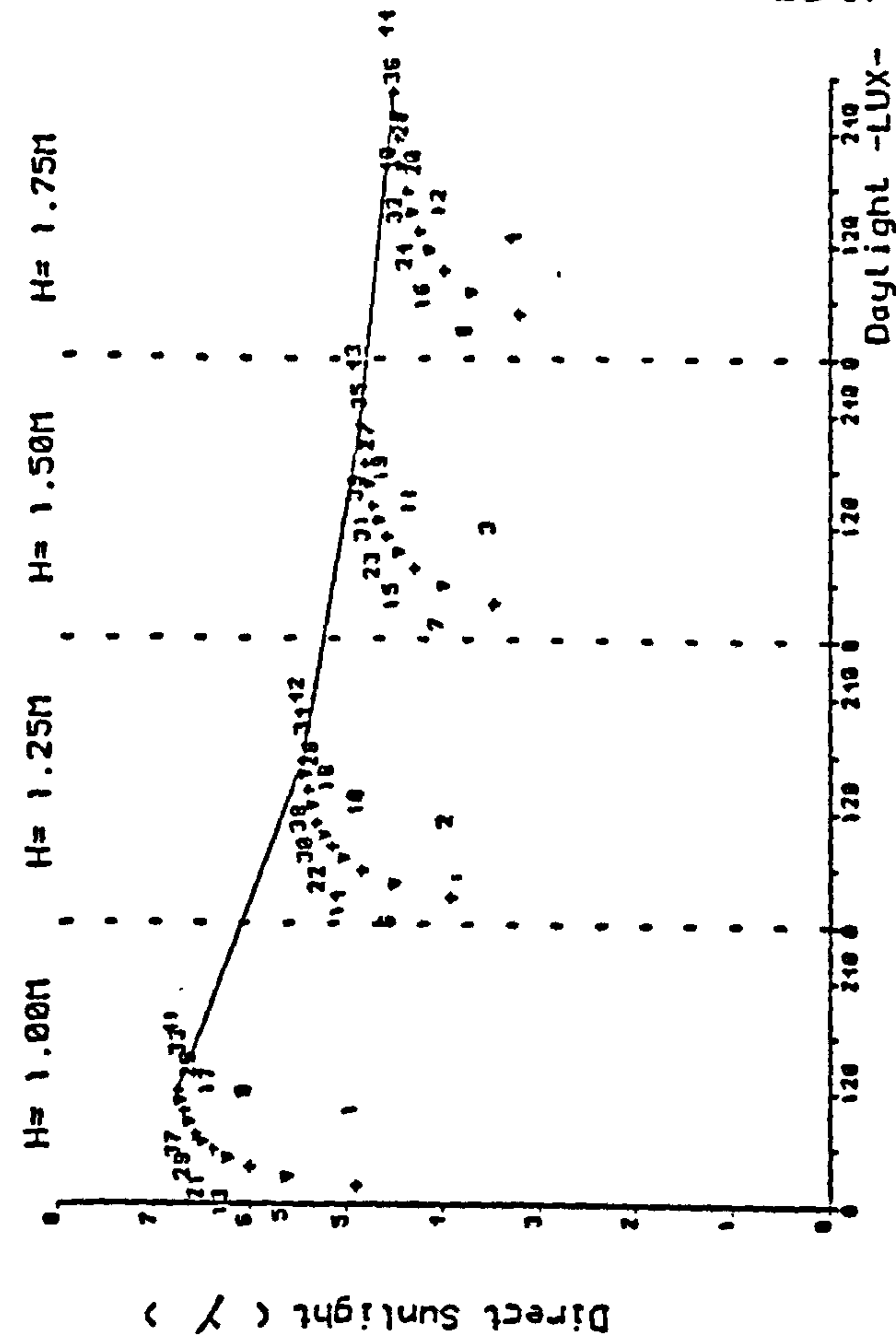


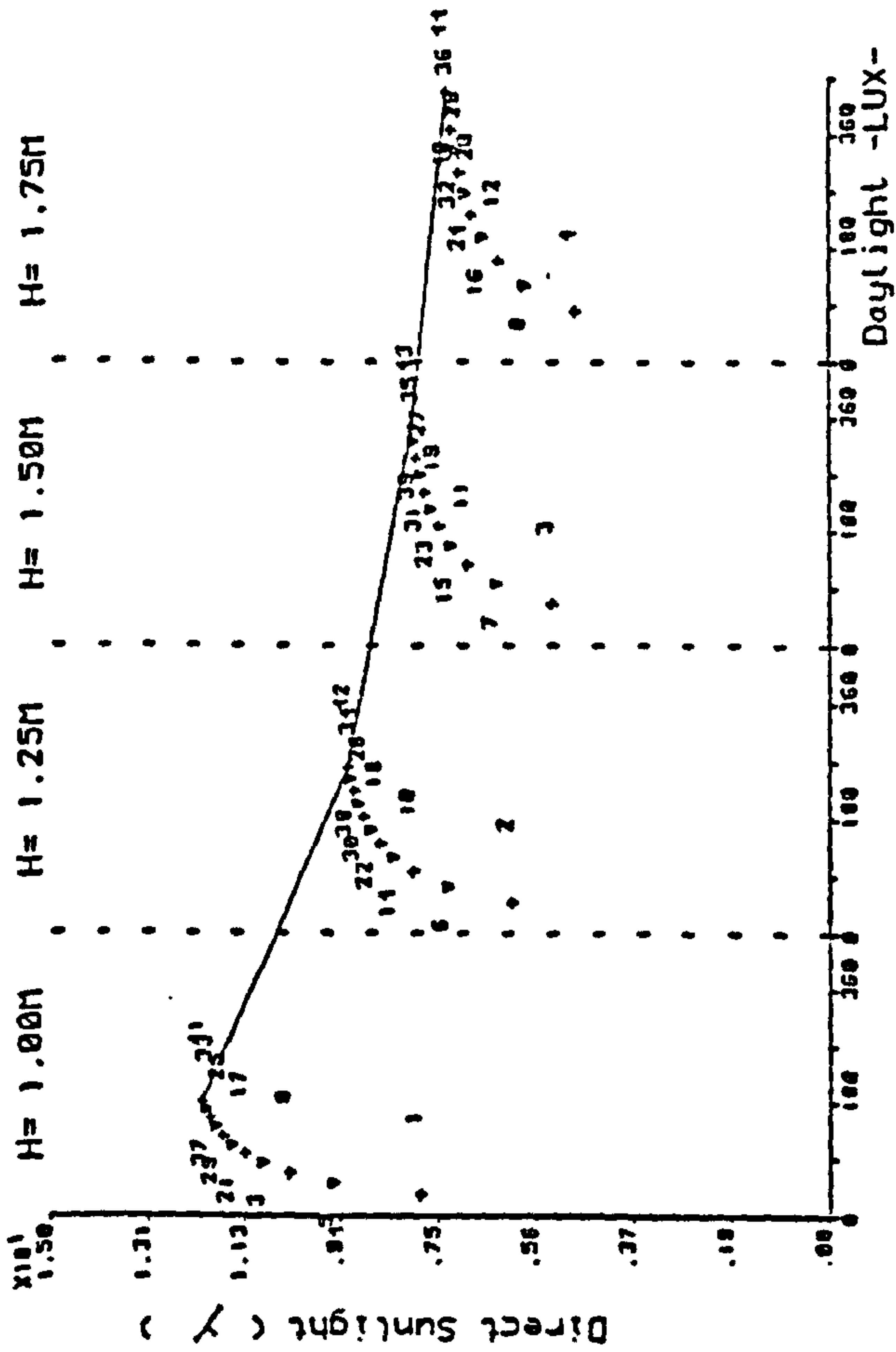
INTERHOUSE DISTANCE - 1.0 M -



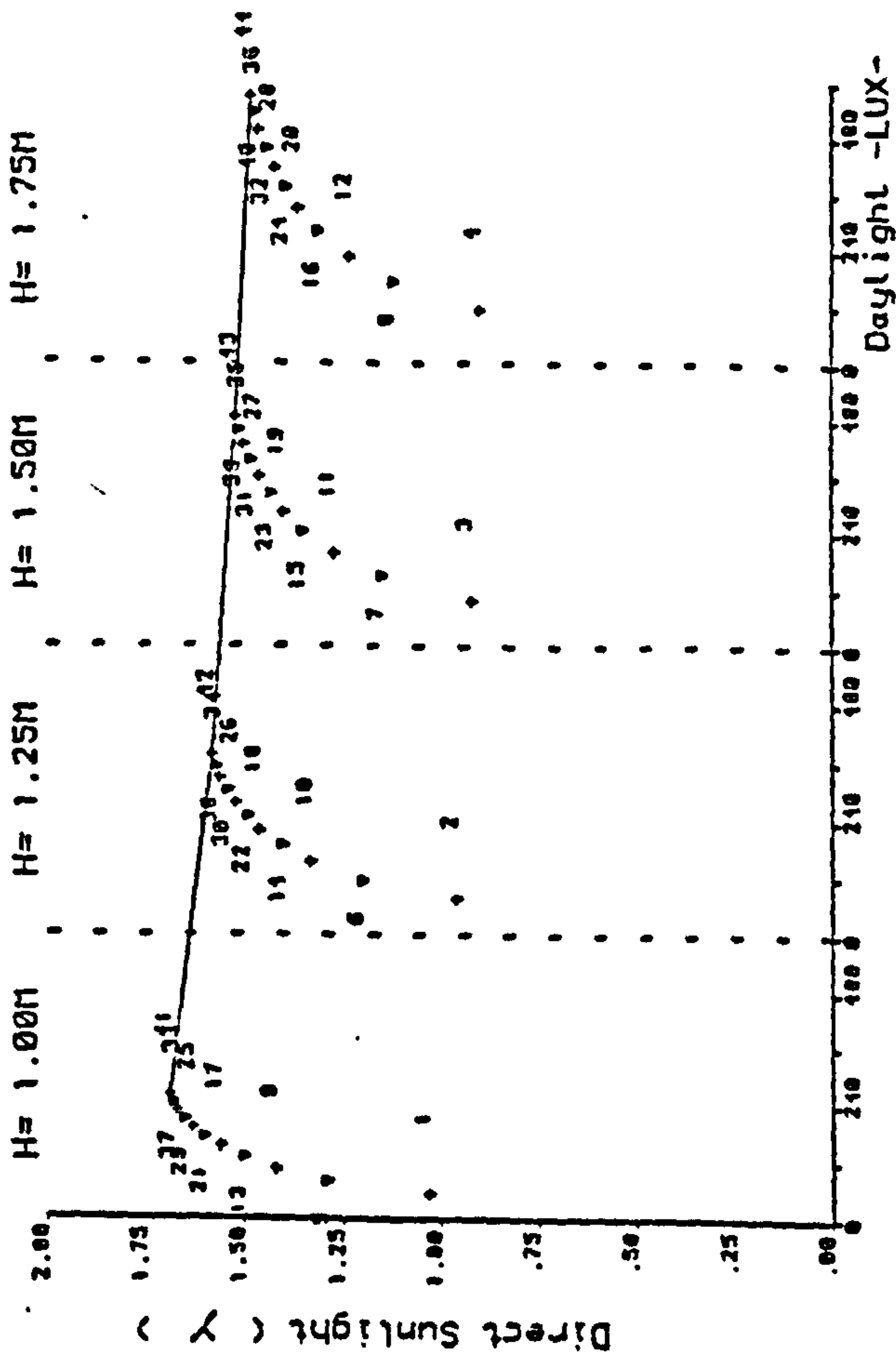




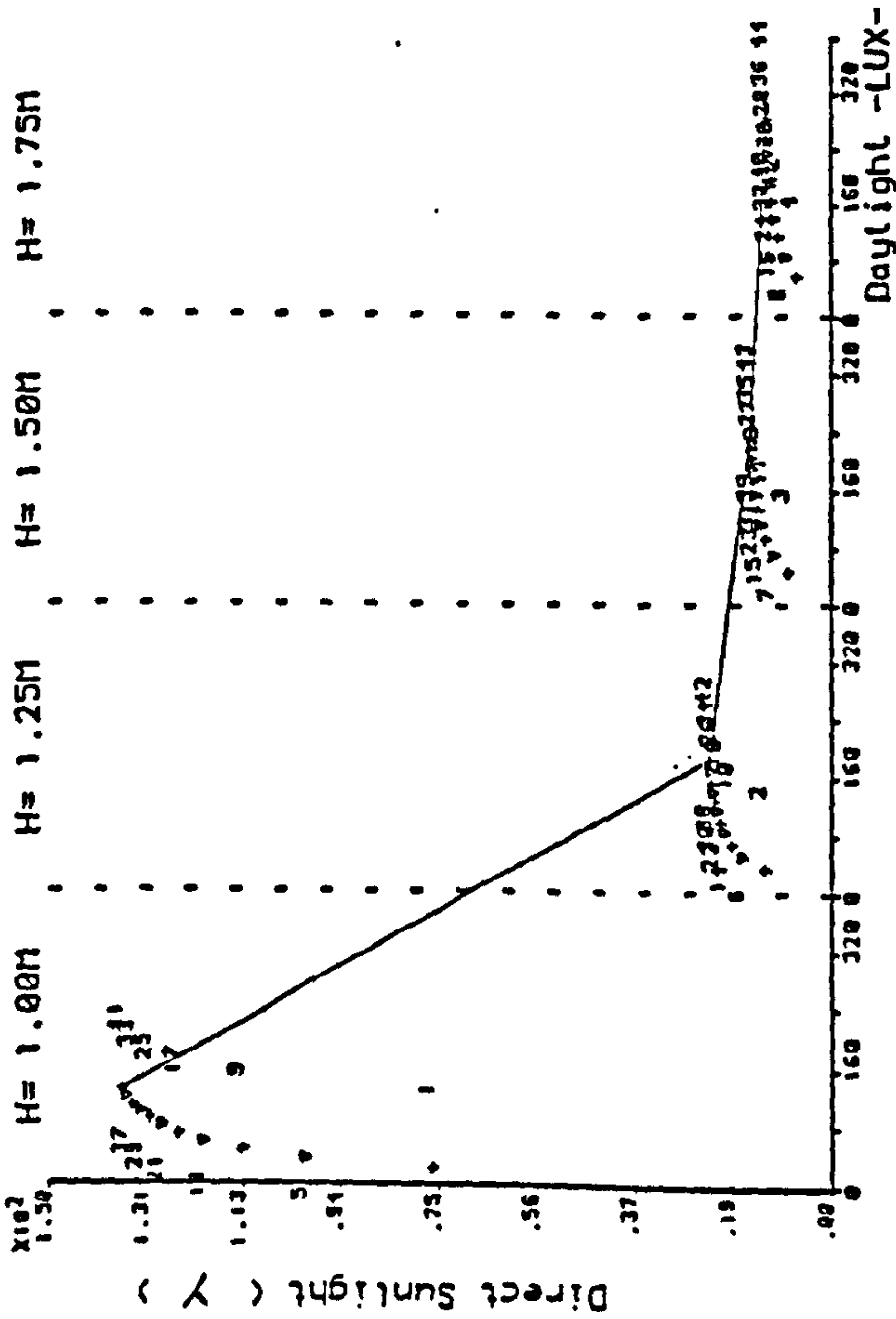




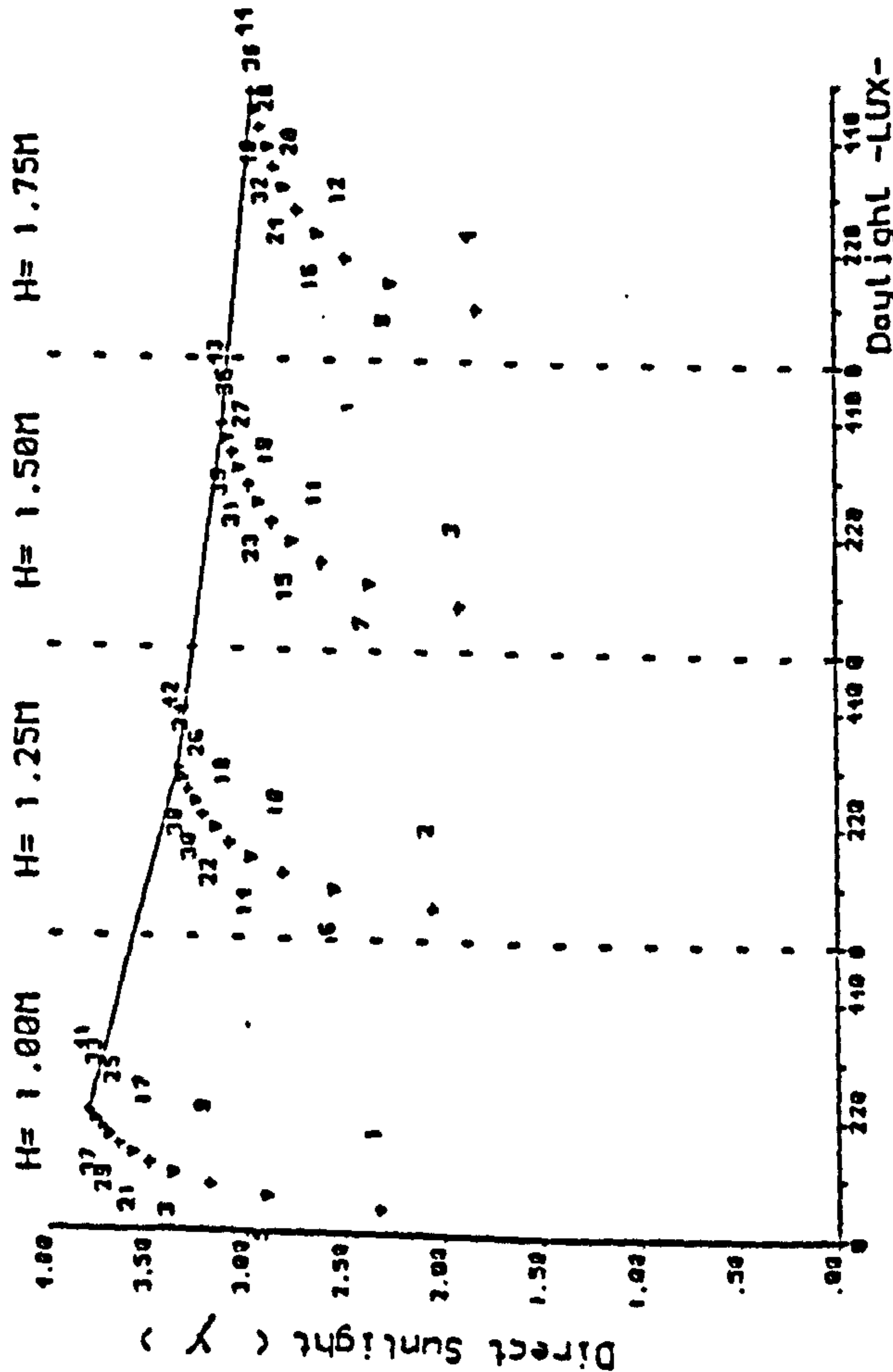
INTERHOUSE DISTANCE - 2.0M -



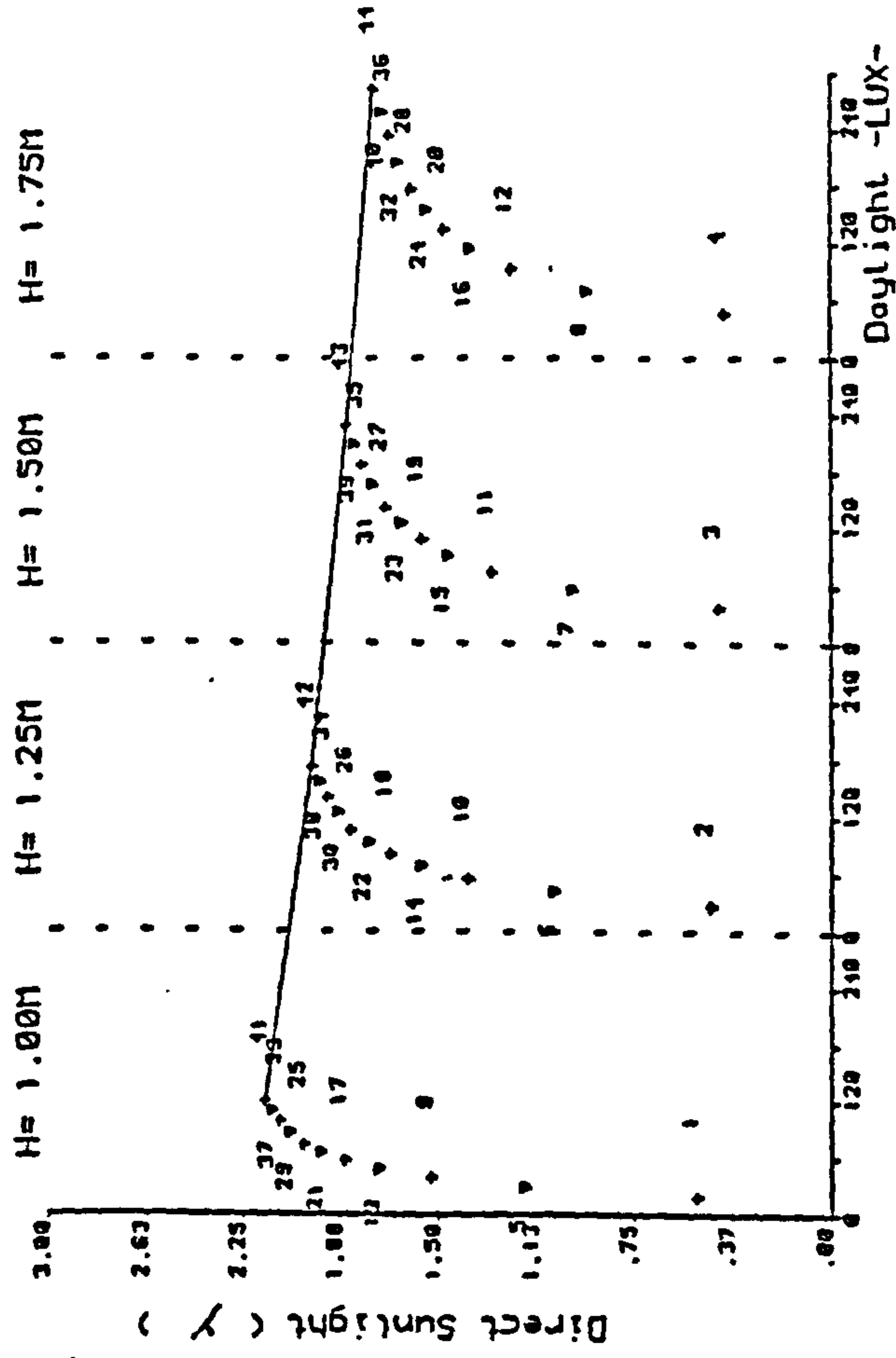
INTERHOUSE DISTANCE - 1.0M -



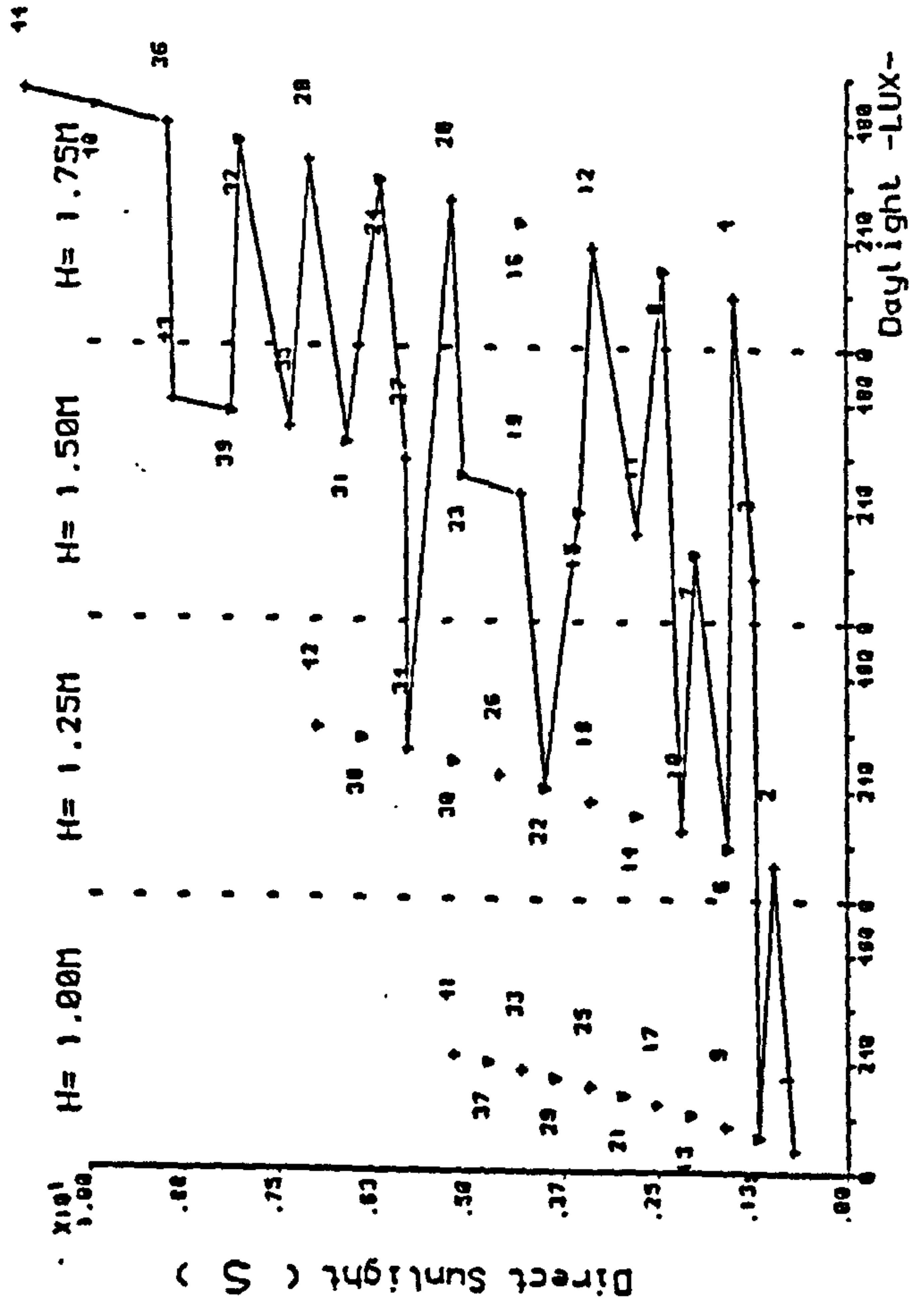
INTERHOUSE DISTANCE - 1.0M -



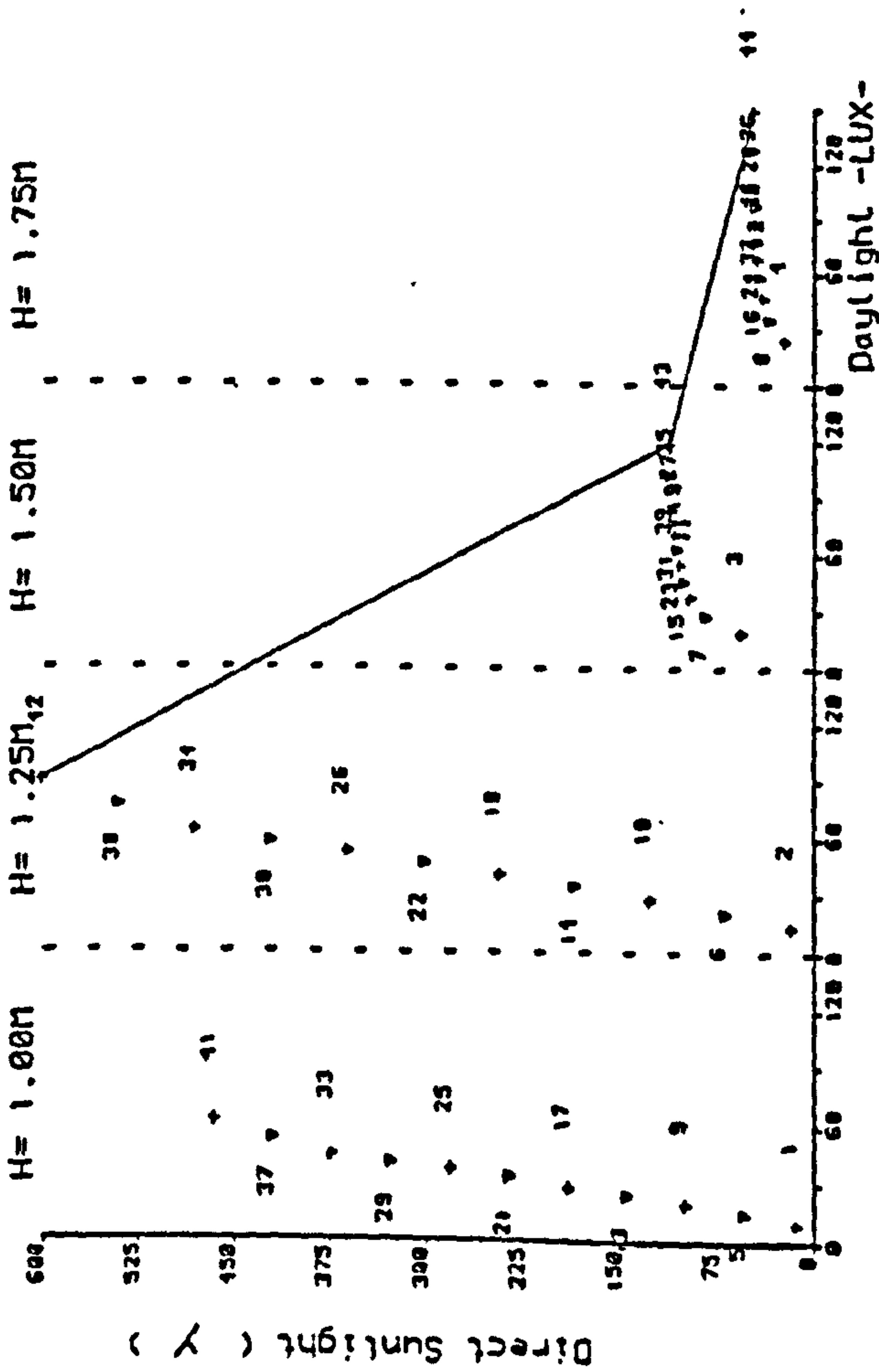
INTERHOUSE DISTANCE - 3.0M -



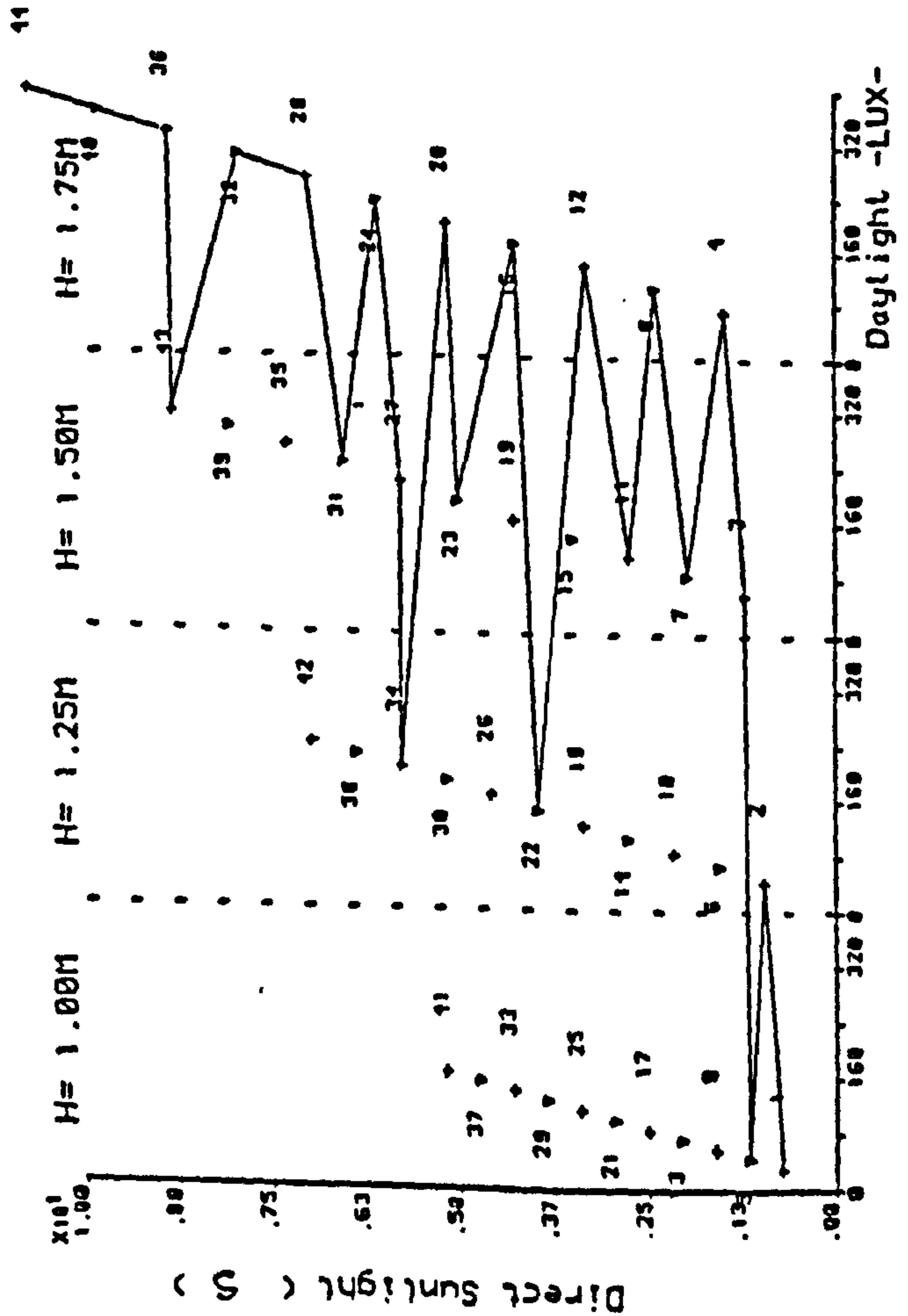
INTERHOUSE DISTANCE - 2.0 M -



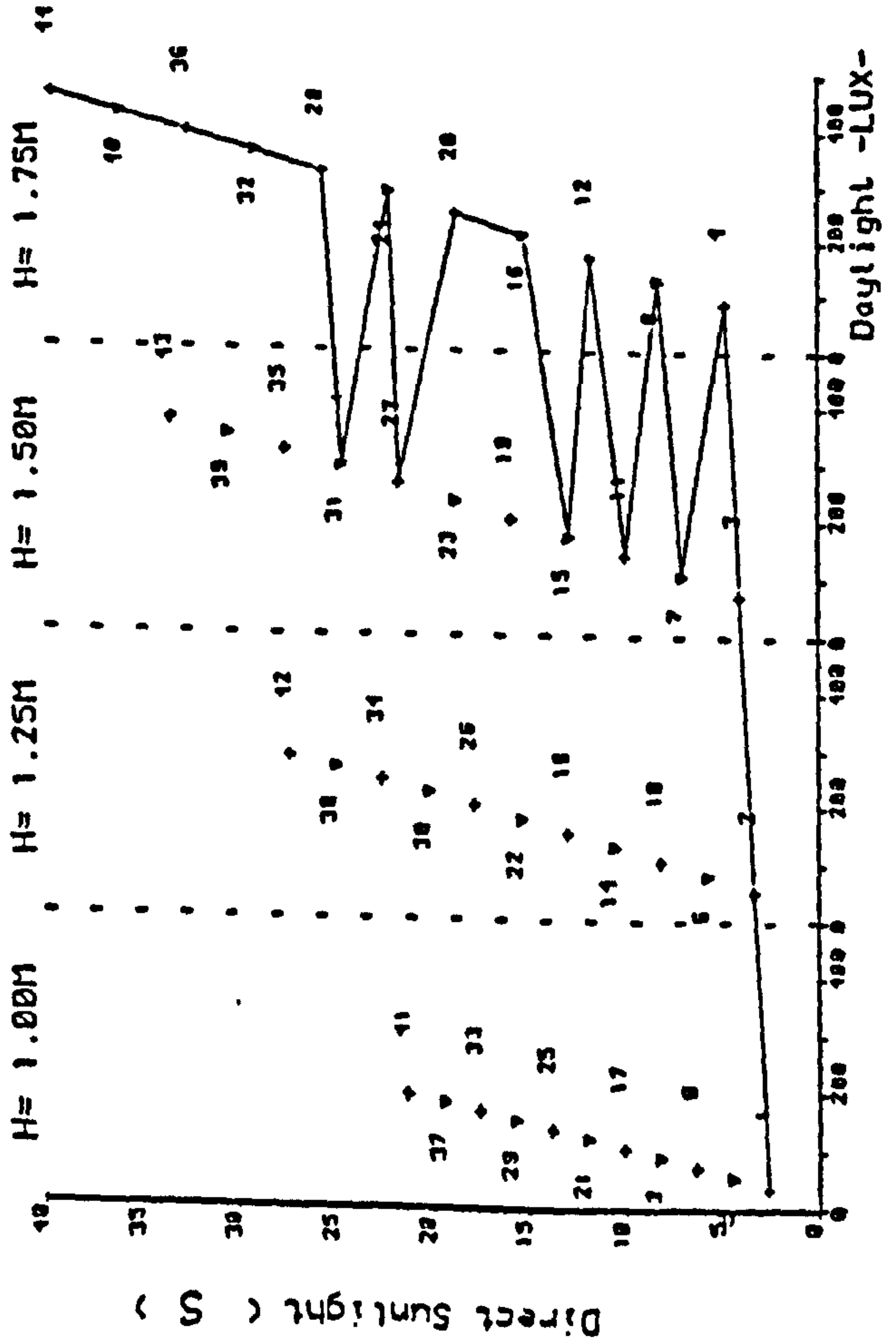
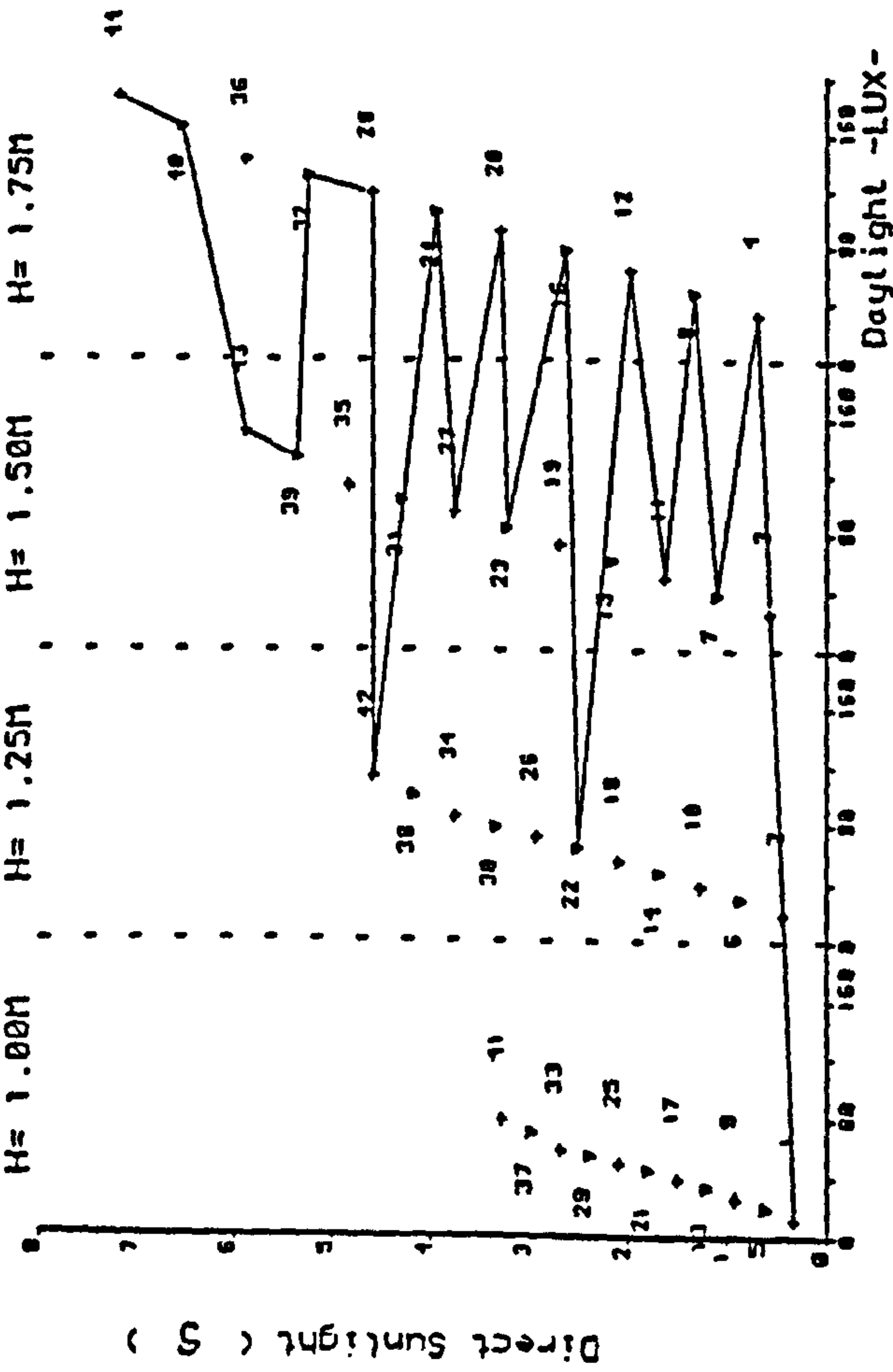
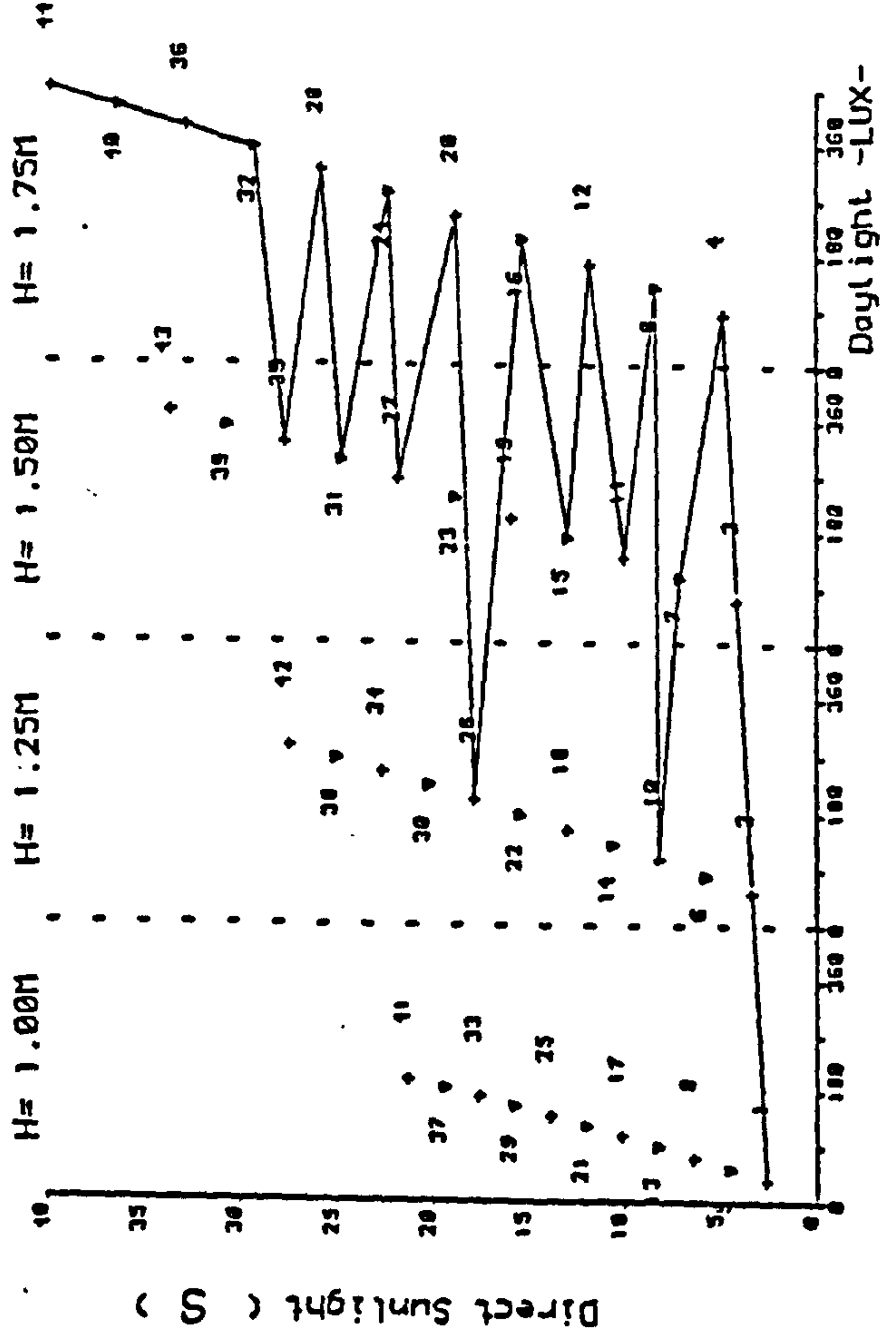
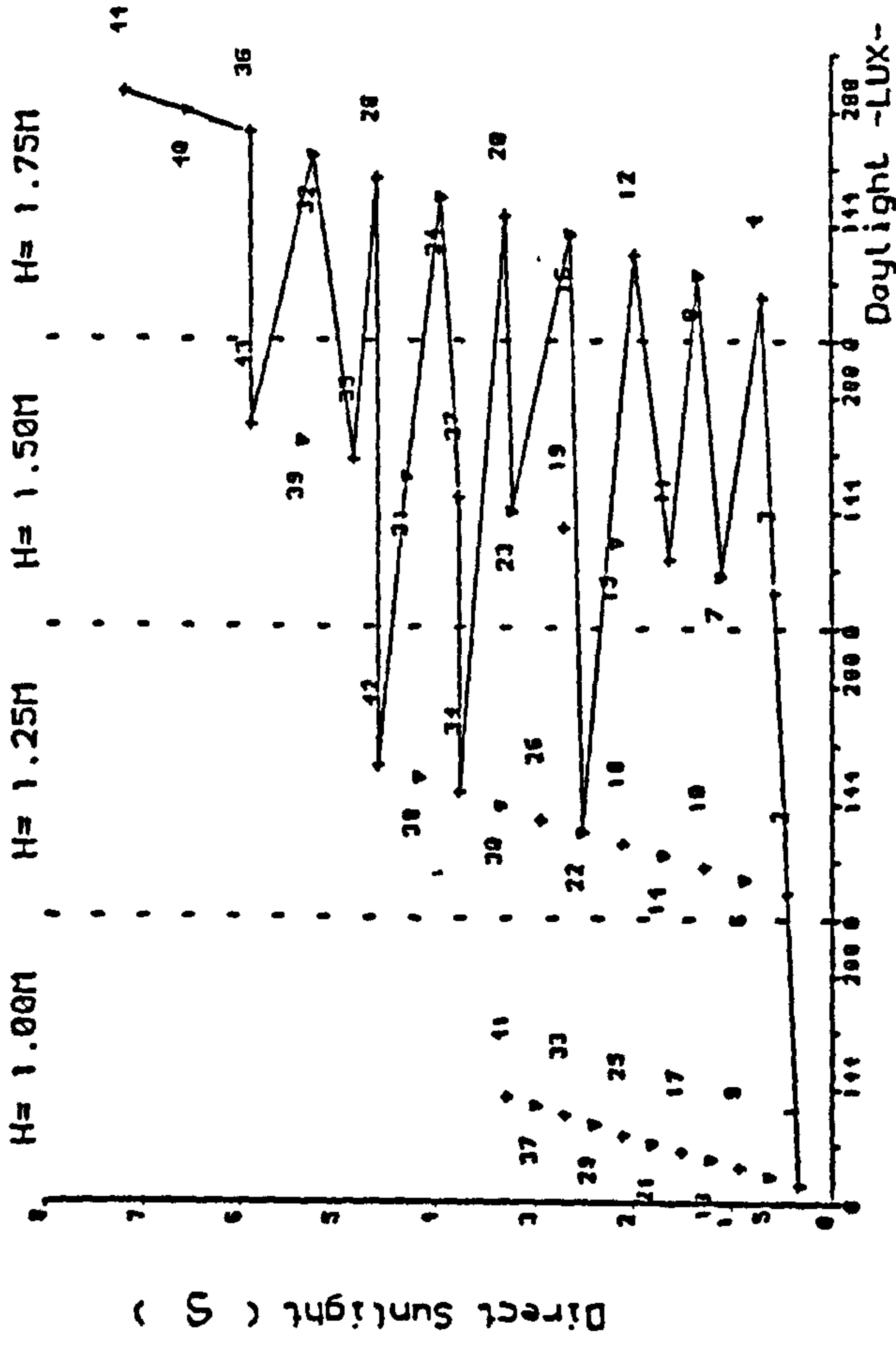
INTERHOUSE DISTANCE - 1.0 M -



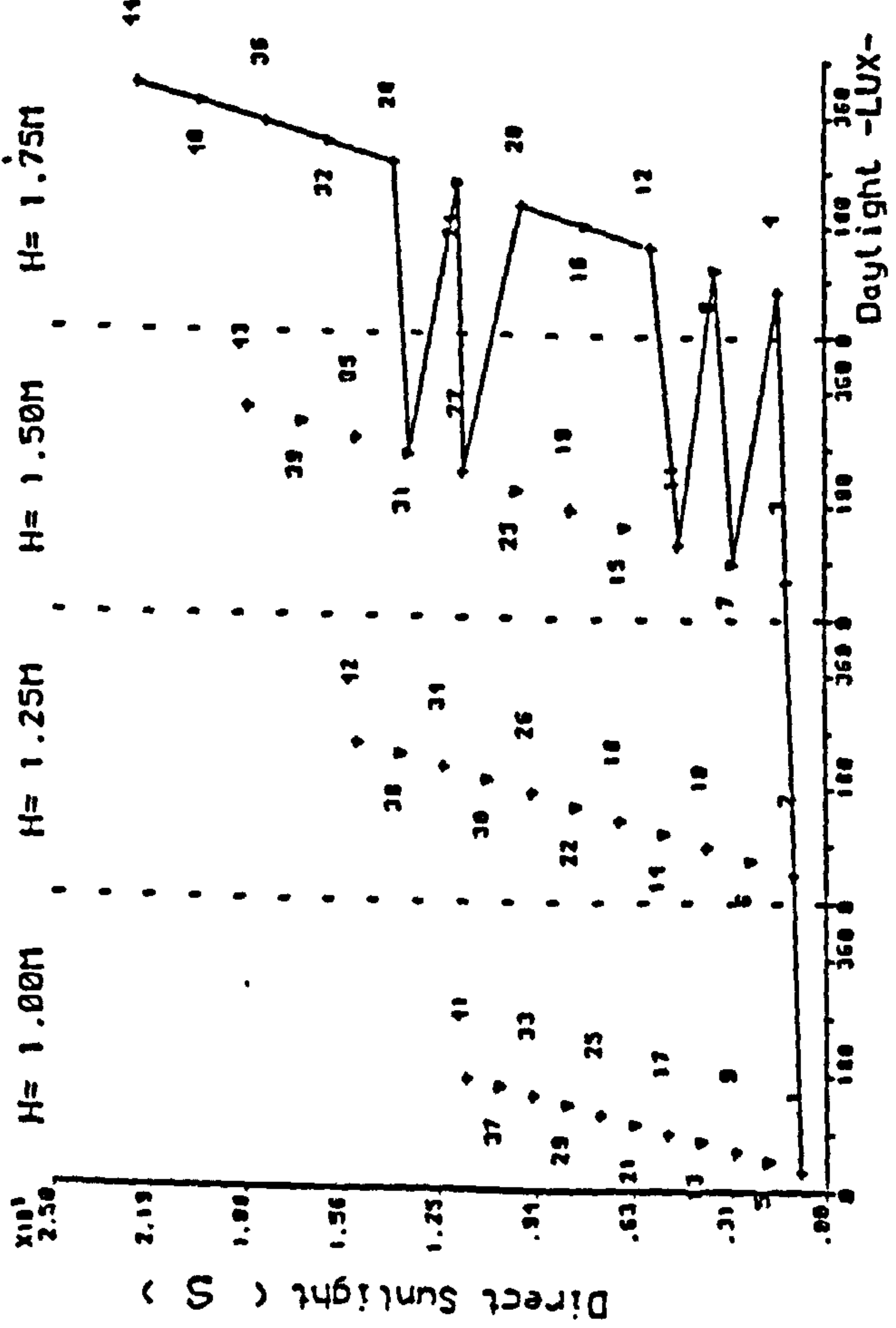
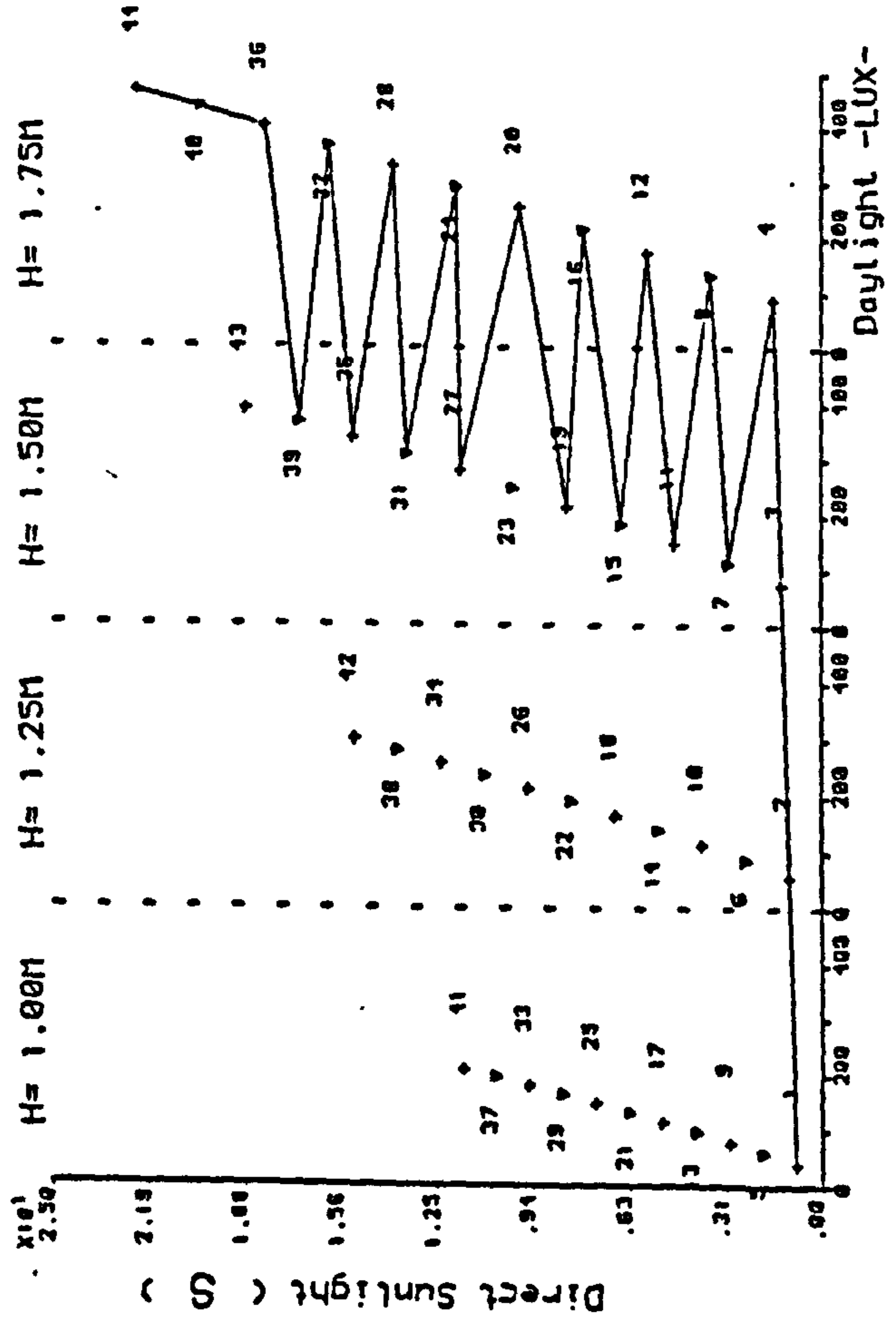
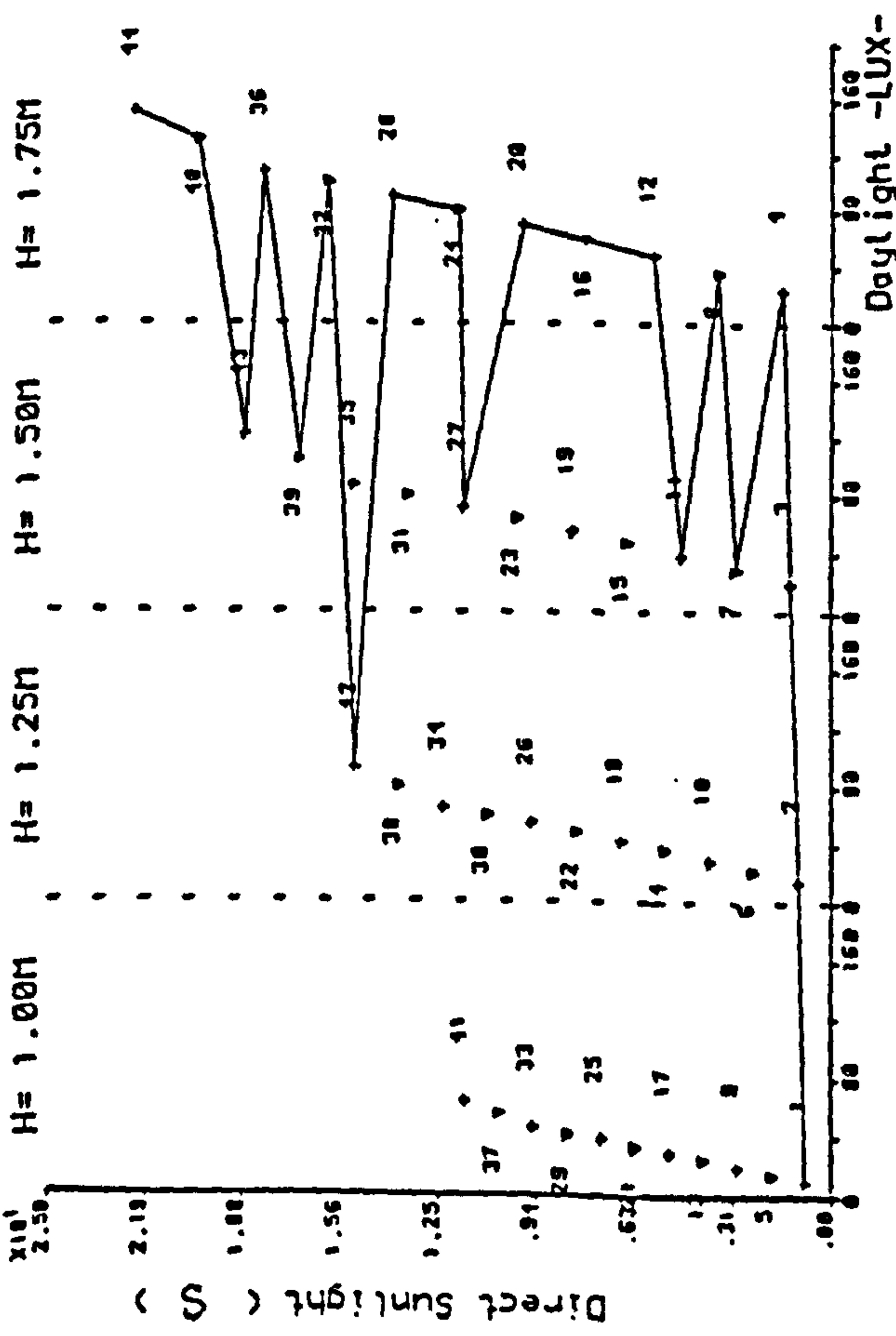
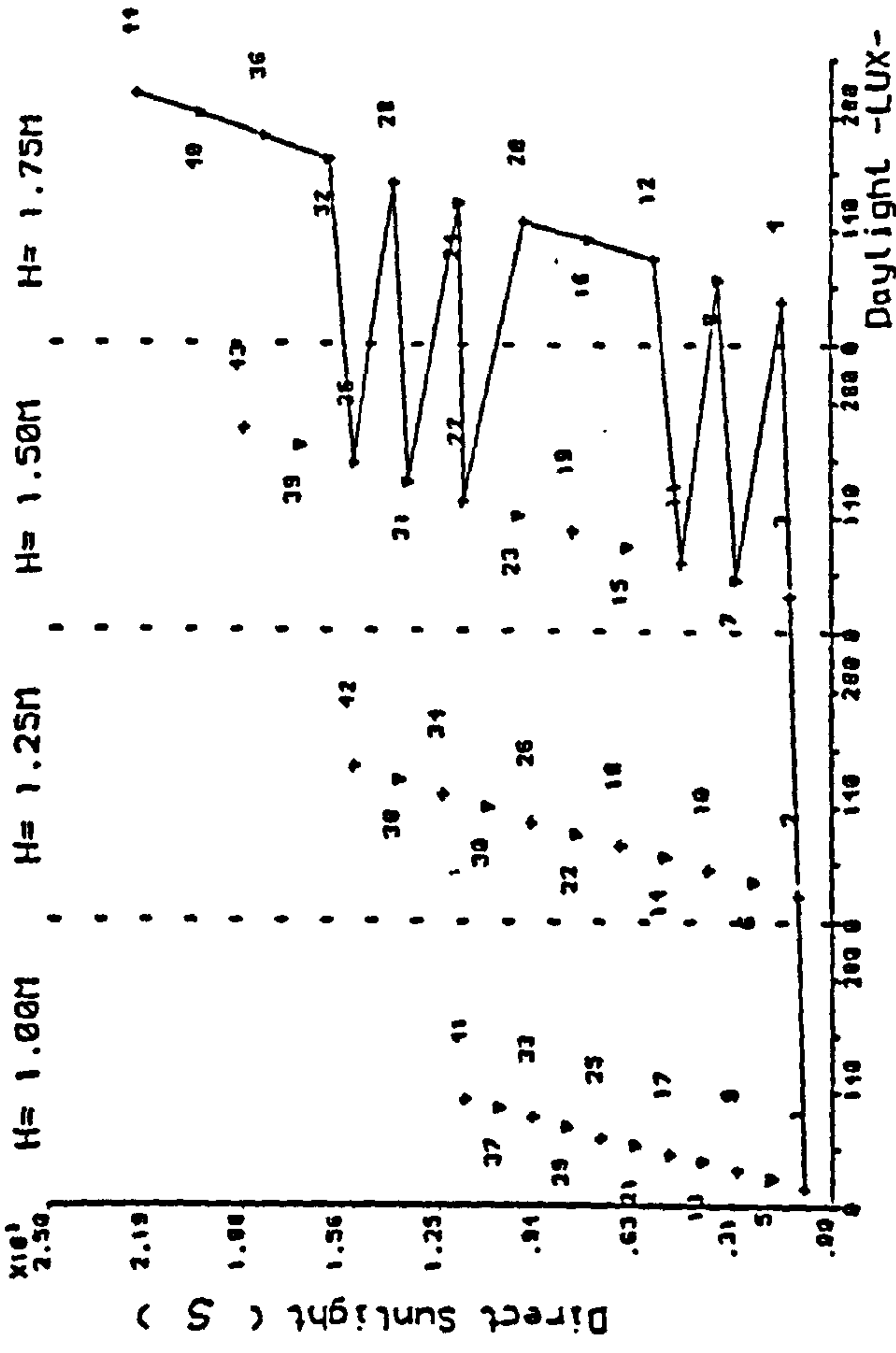
INTERHOUSE DISTANCE - 3.0 M -

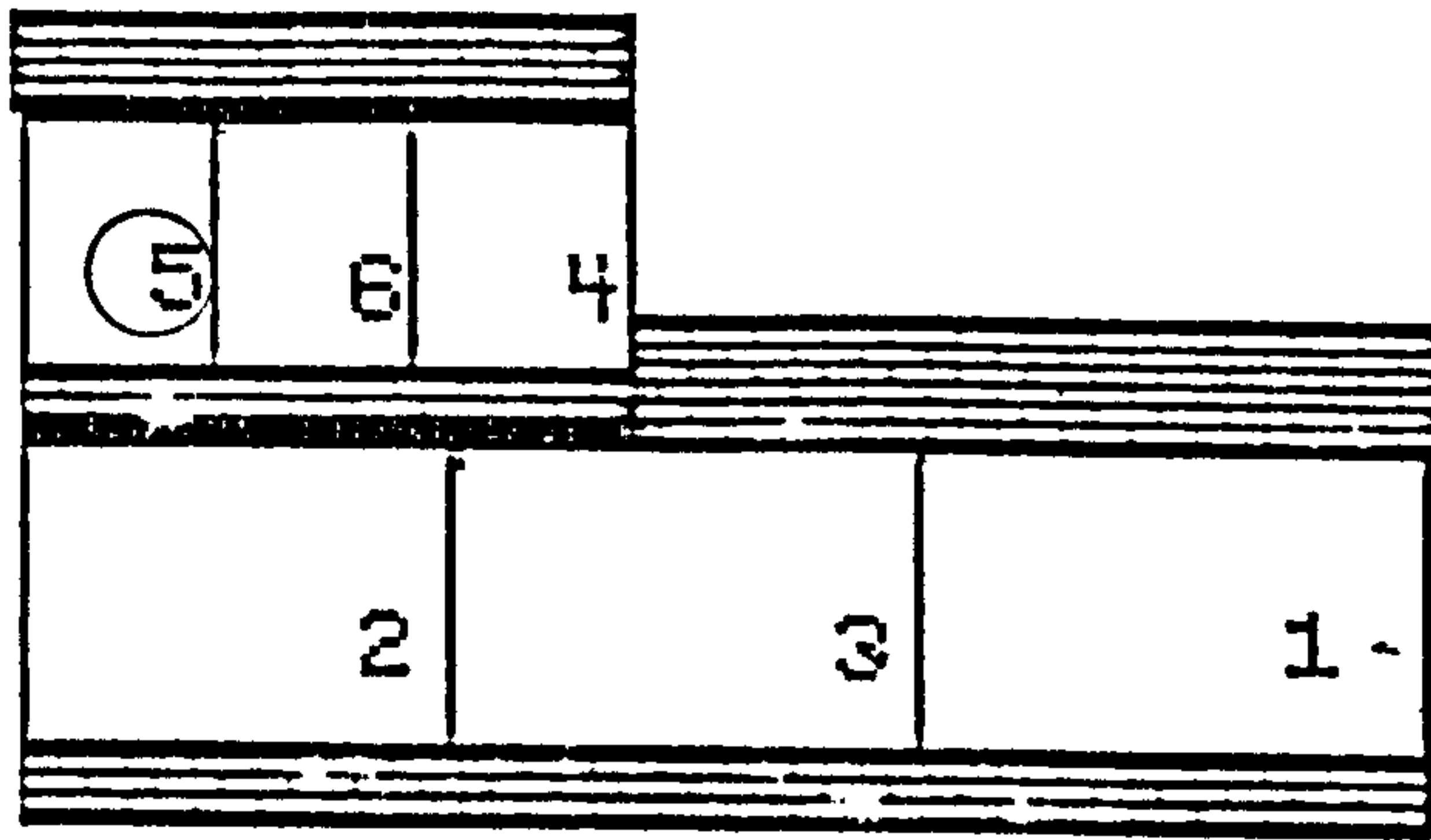


INTERHOUSE DISTANCE - 4.0 M -







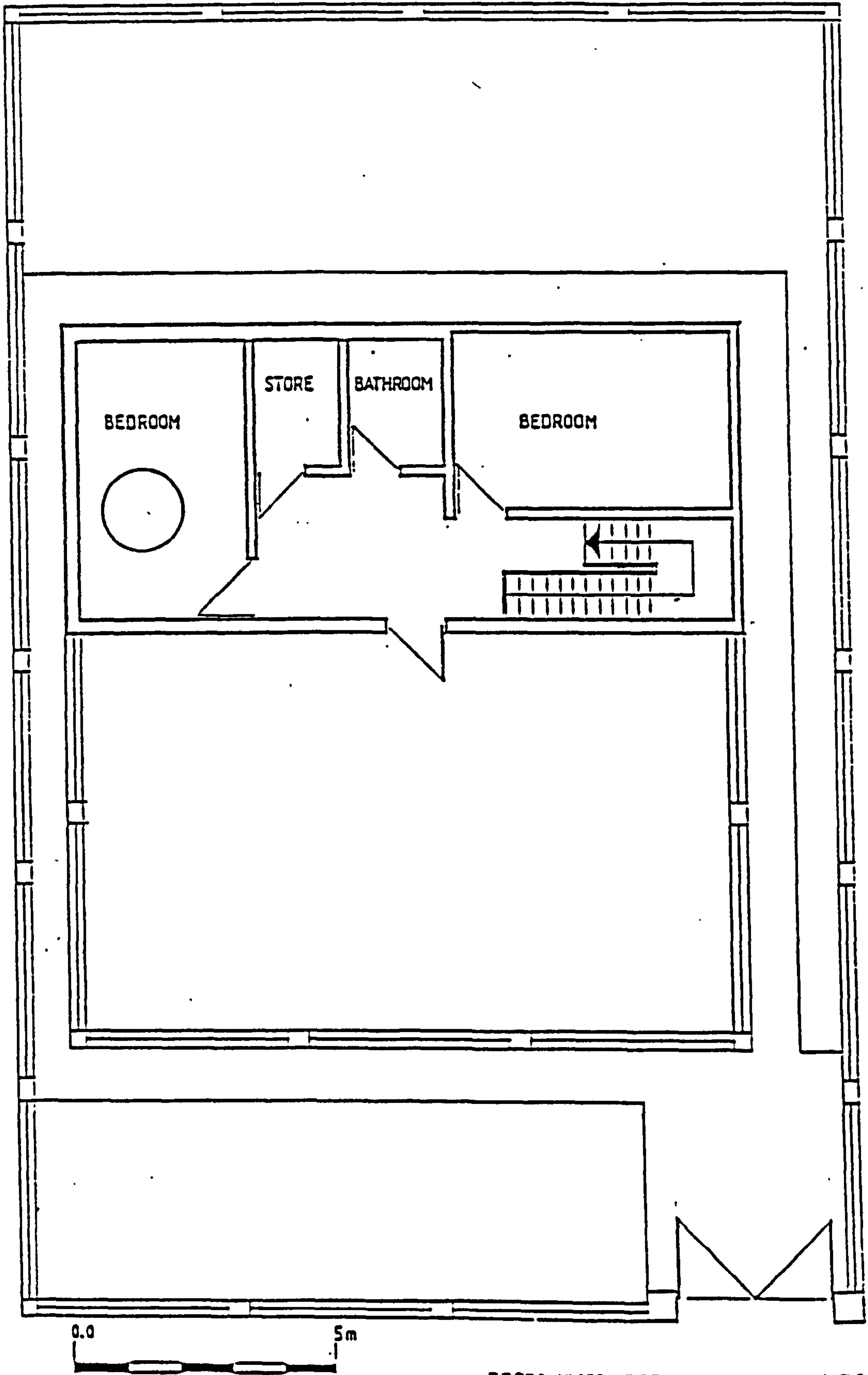


Key diagram showing the location  
of window data .

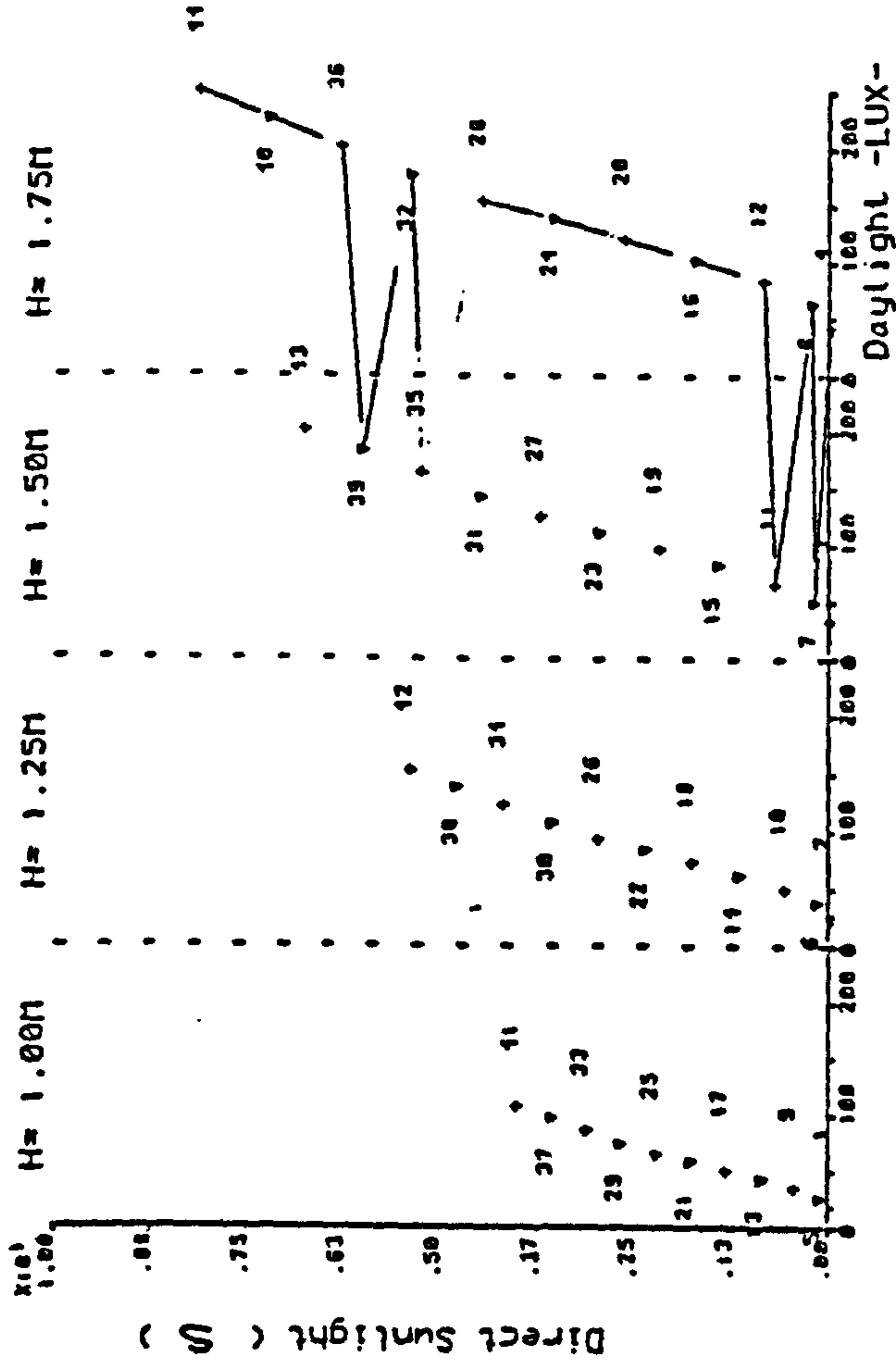
Side Wall No. 2  
1 1/2 Storey

Interhouse Distance  
1, 2, 3 and 4m.

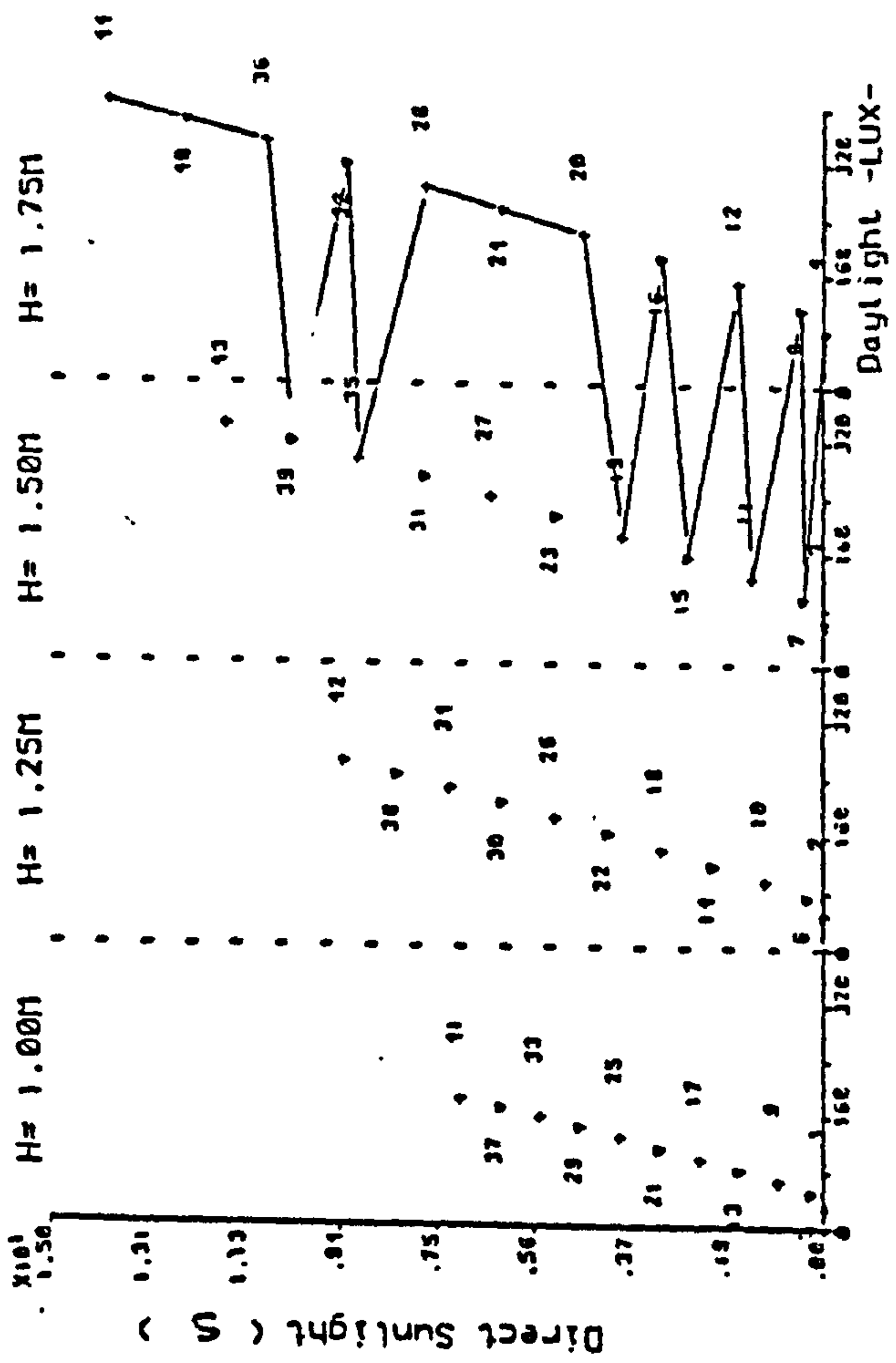
ORIENTATION	PAGE NO.
0.0	1554
22.5	1555
45	1556
67.5	1557
90	1558
112.5	1559
135	1560
157.5	1561
180	1562
202.5	1563
225	1564
247.5	1565
270	1566
292.5	1567
315	1568
337.5	1569



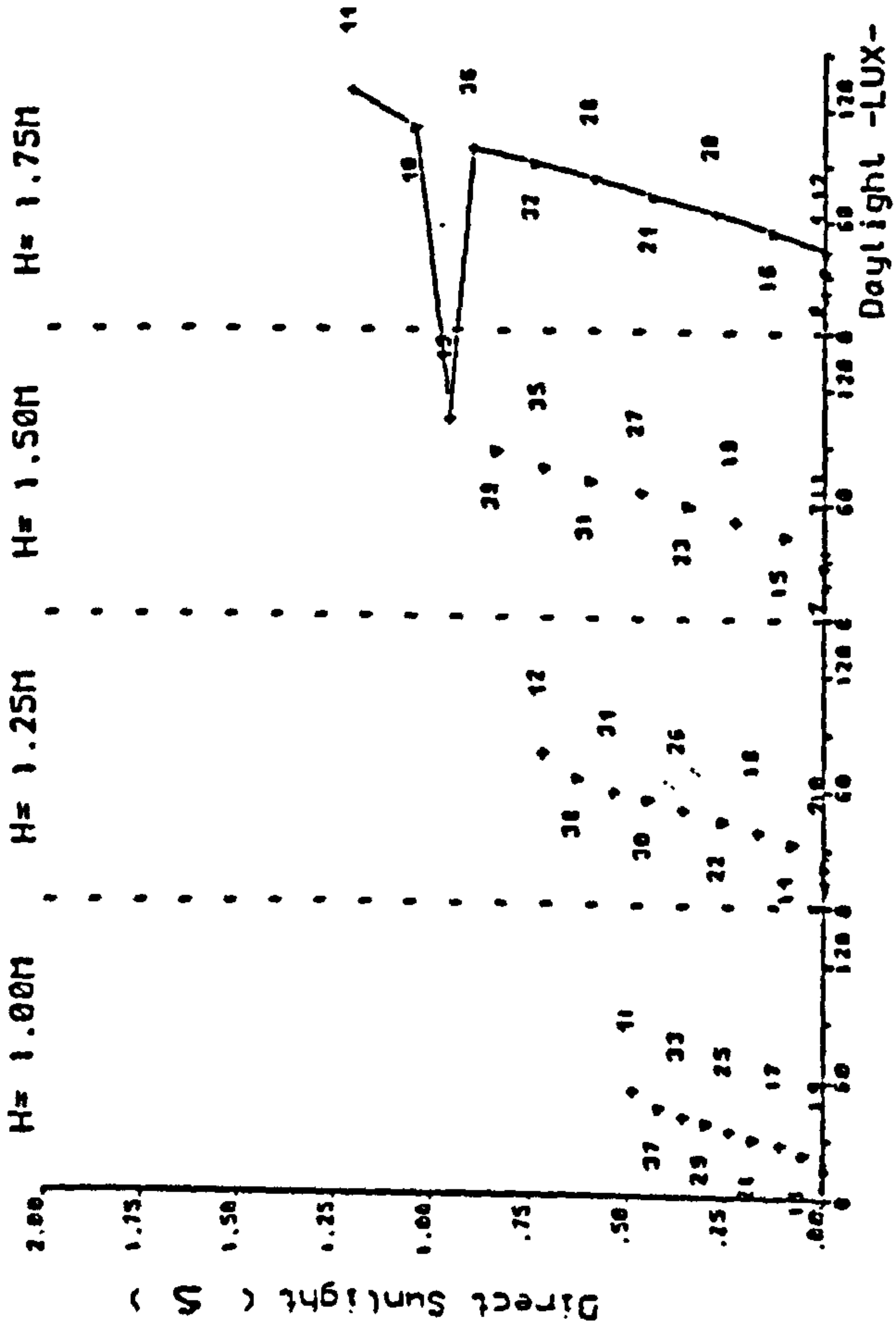
FIRST FLOOR PLAN



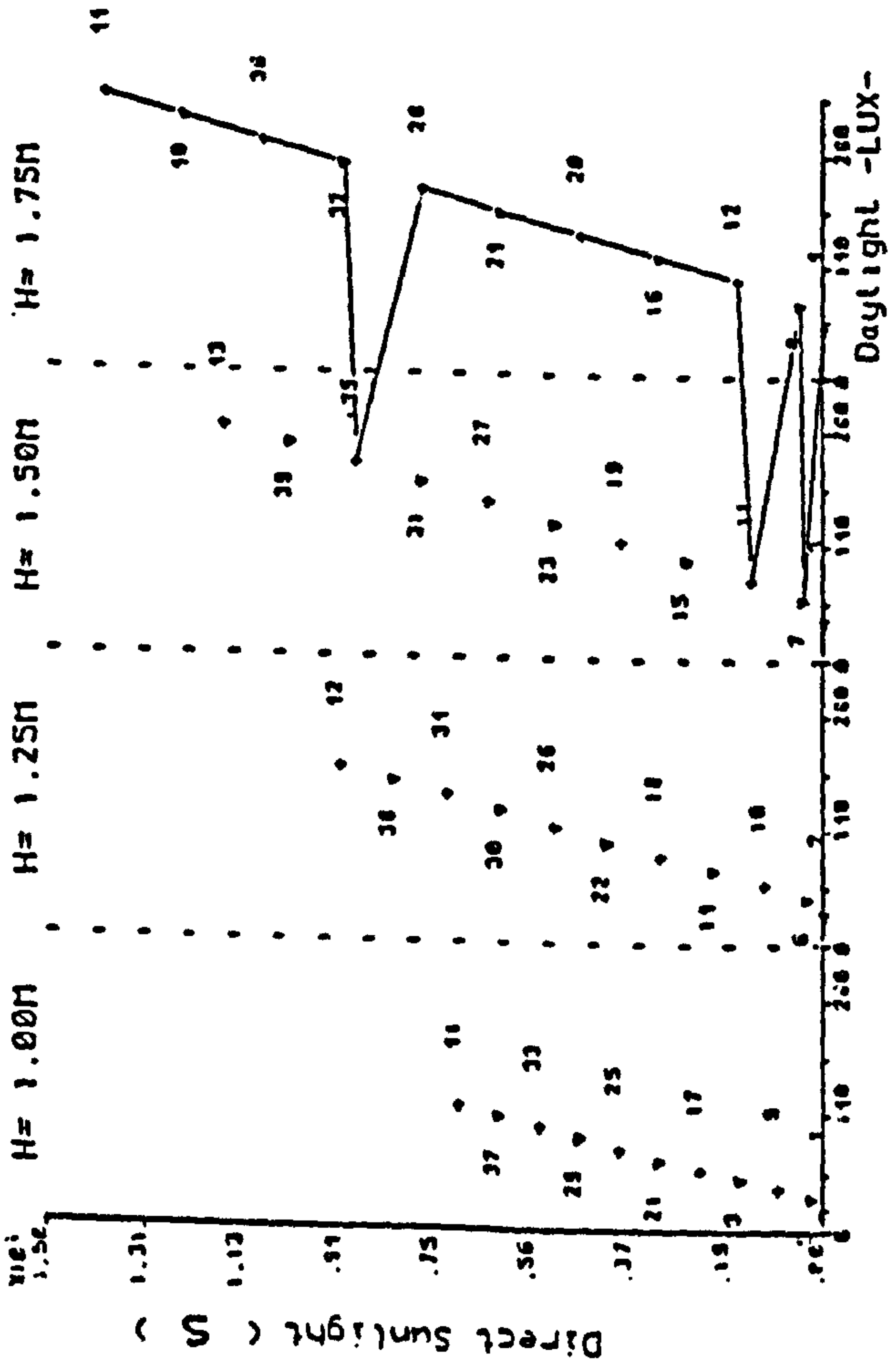
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -

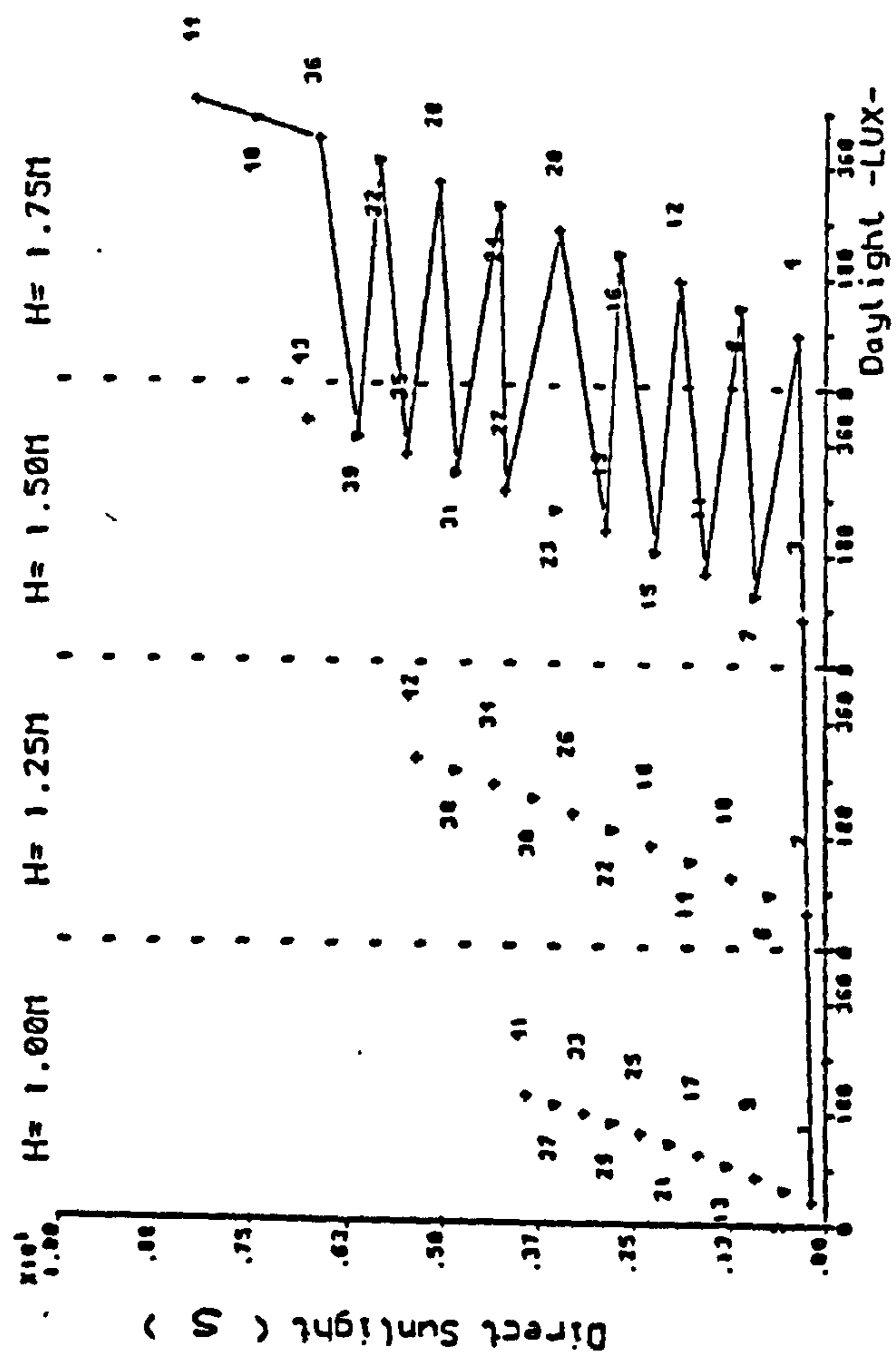
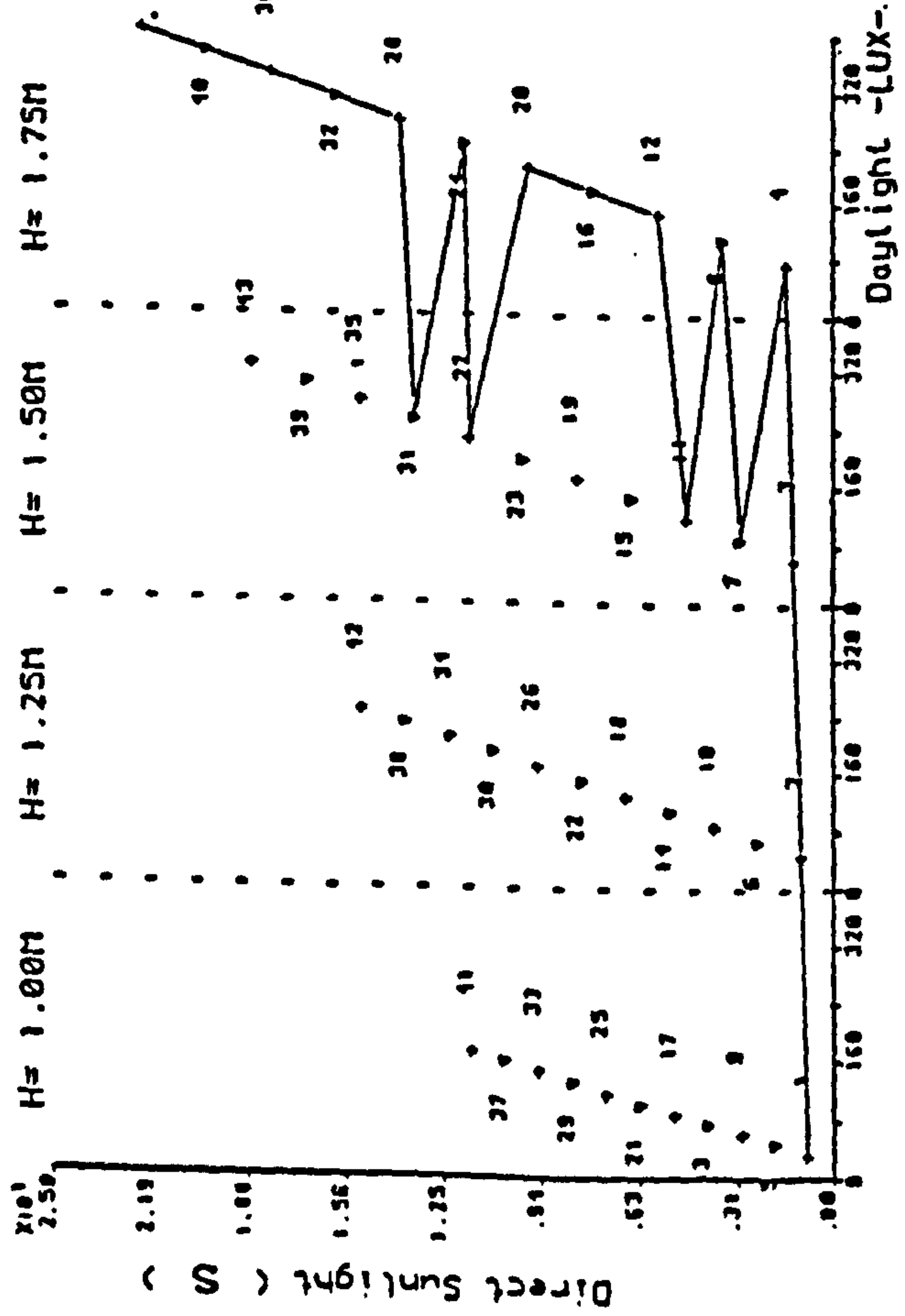
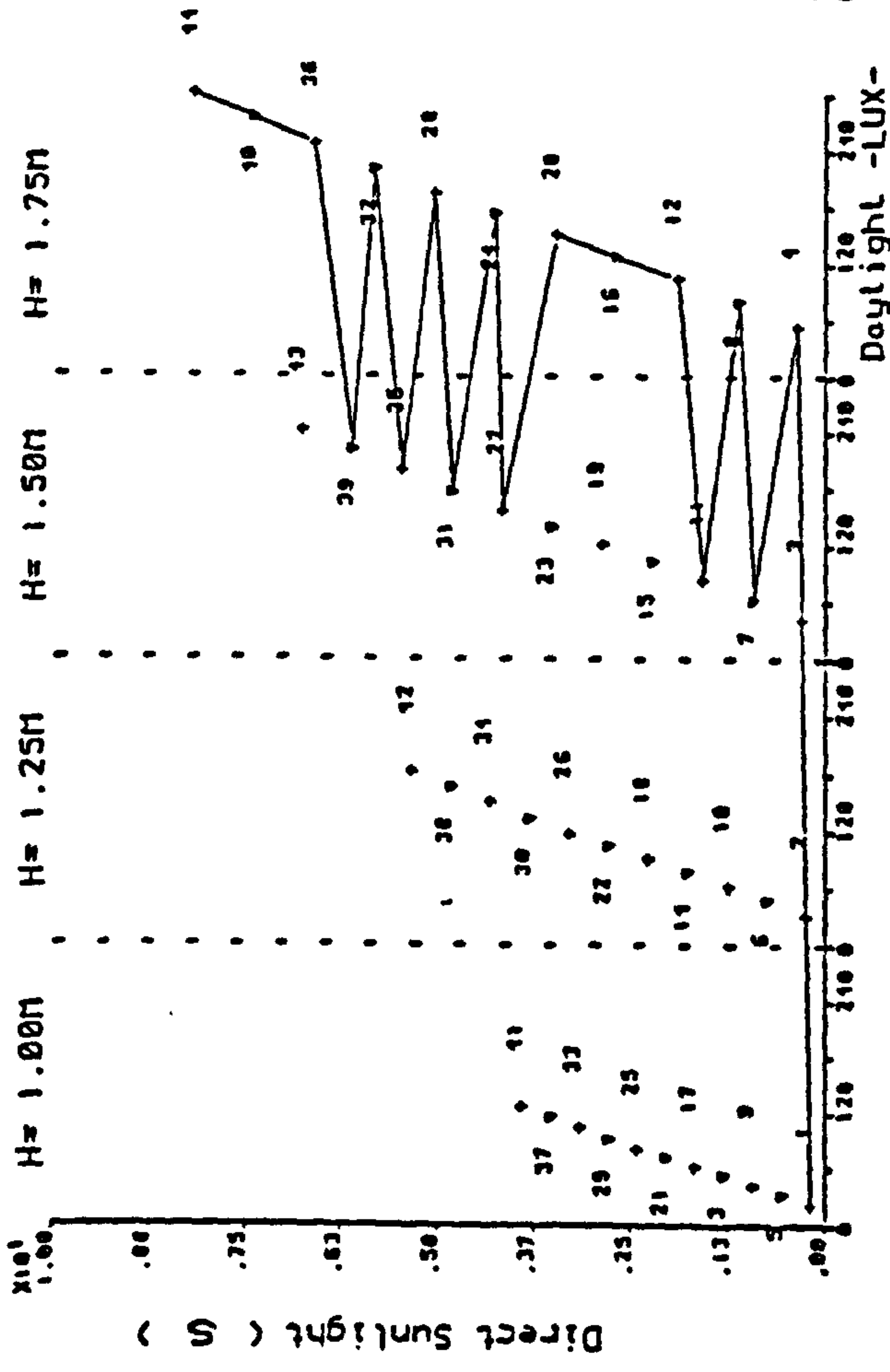
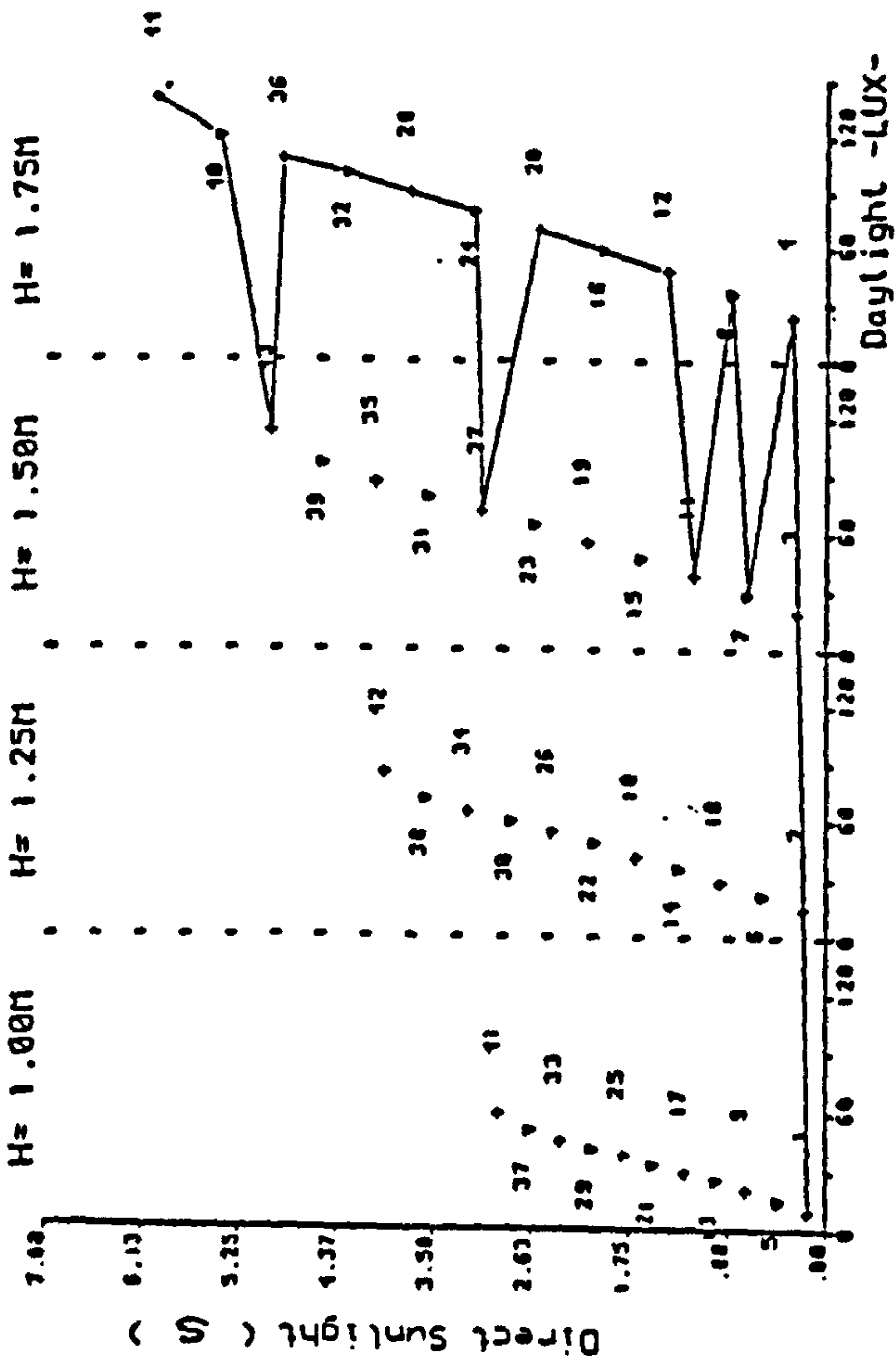


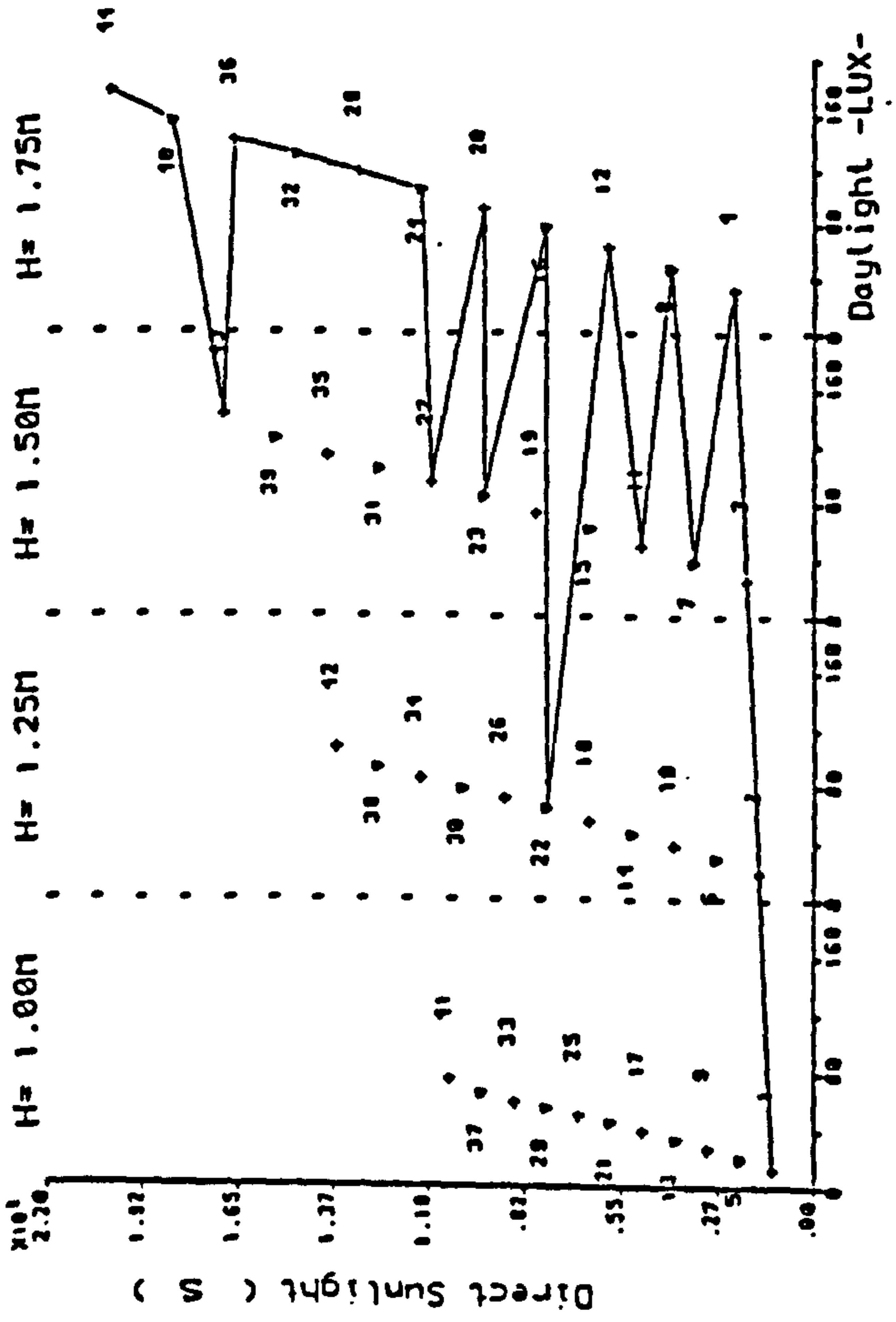
INTERHOUSE DISTANCE - 1.0 M -



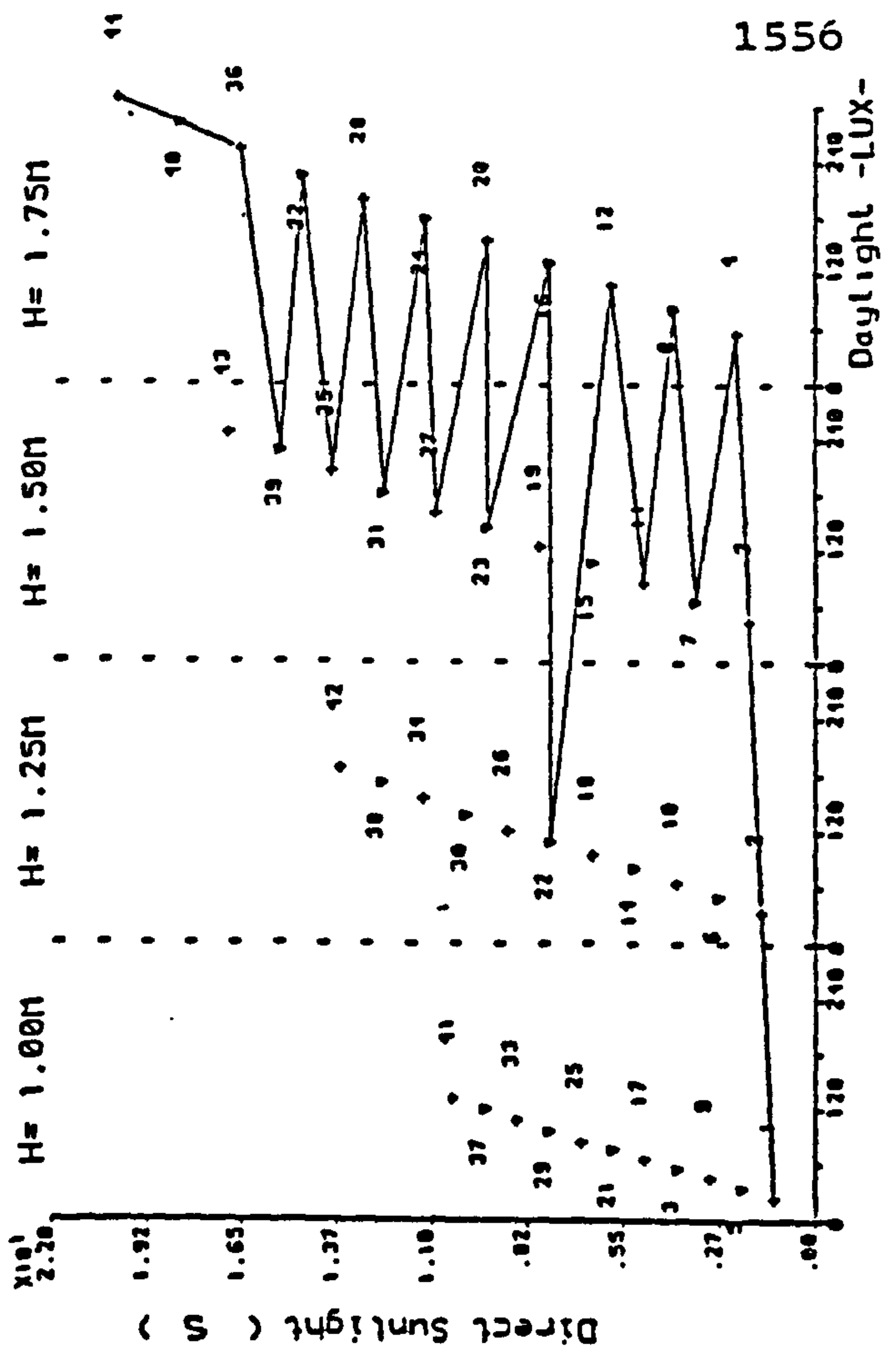
INTERHOUSE DISTANCE - 3.0 M -





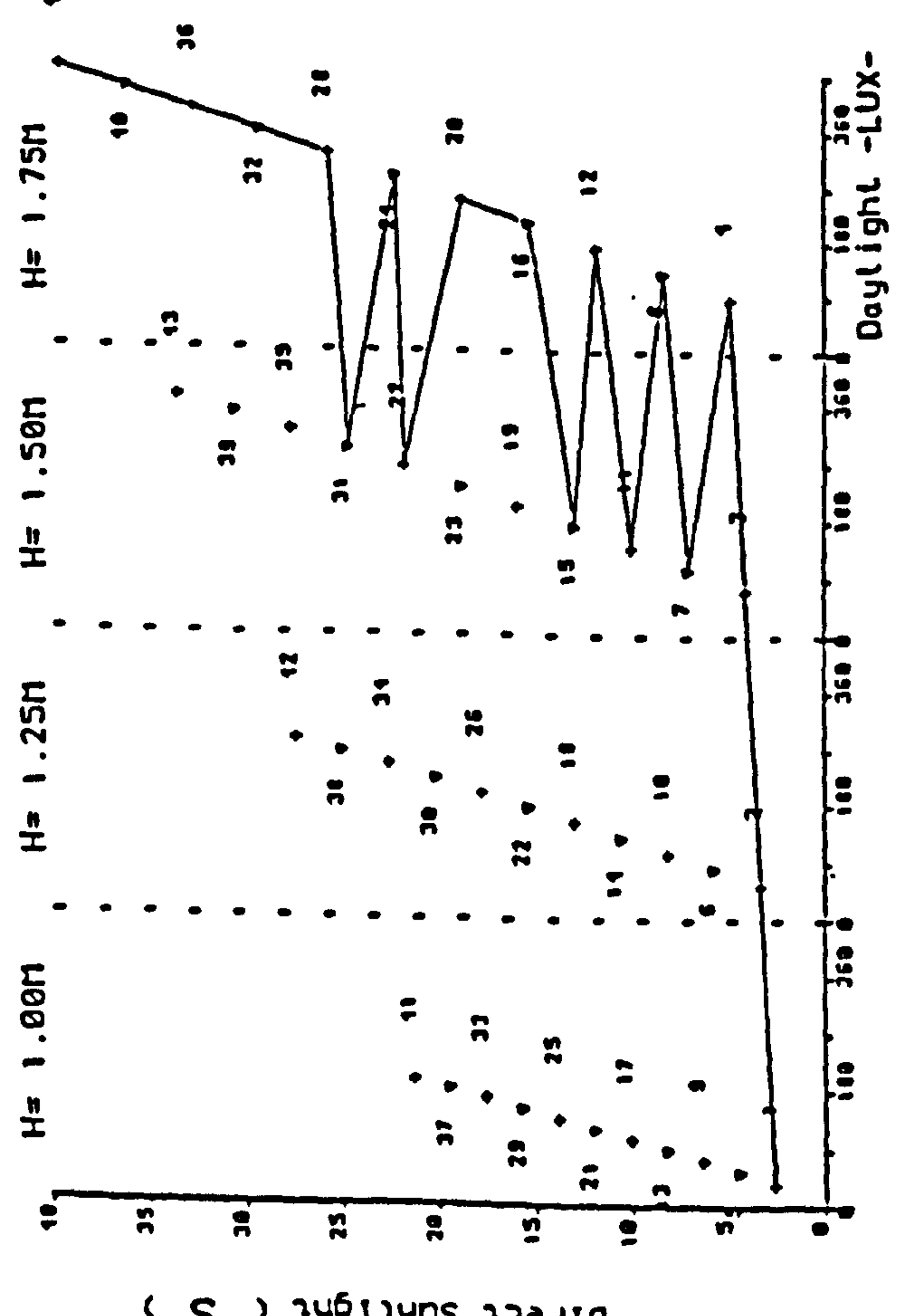


INTERHOUSE DISTANCE - 1.0 M -

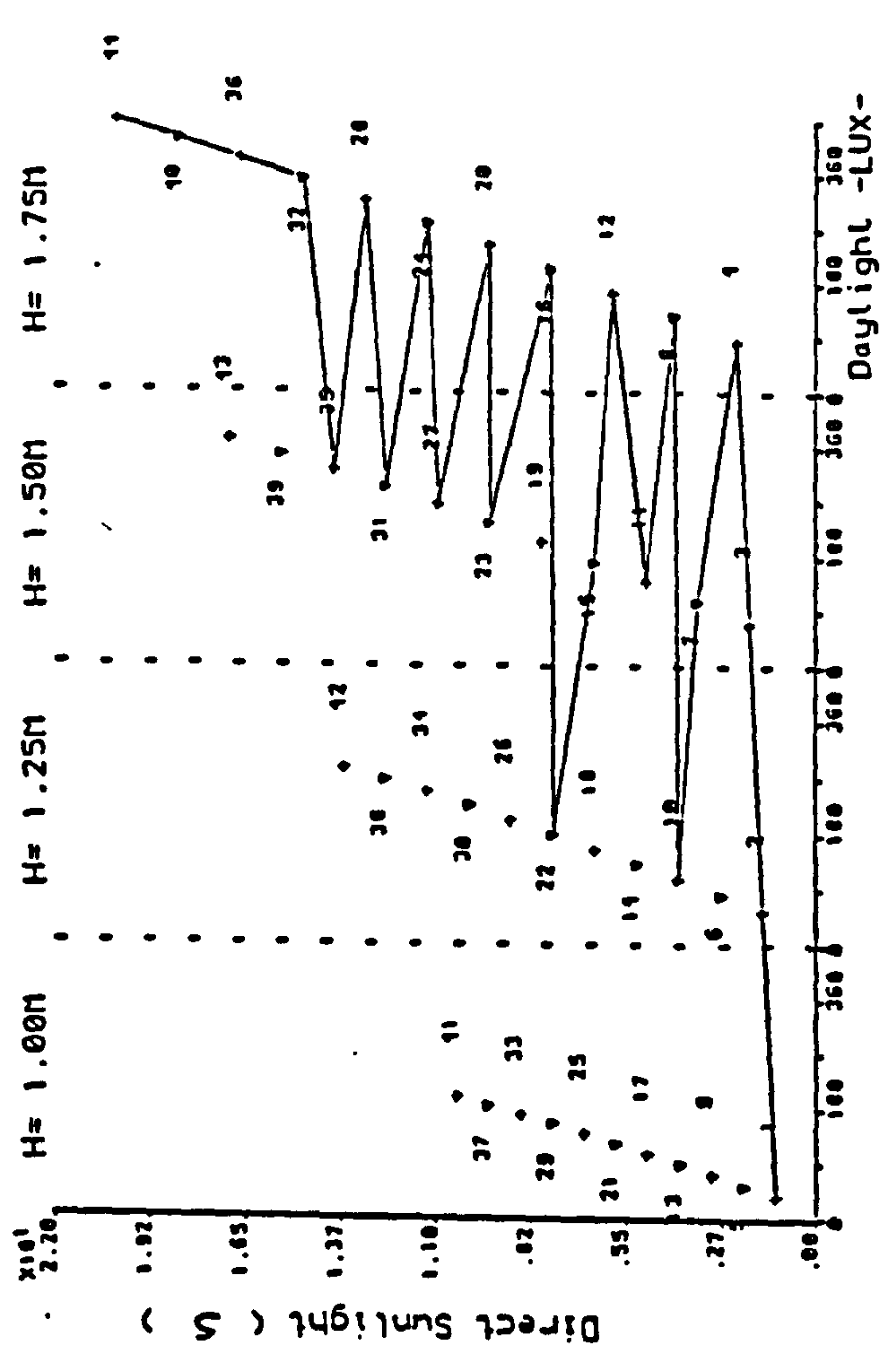


INTERHOUSE DISTANCE - 2.0 M -

1556



INTERHOUSE DISTANCE - 3.0 M -

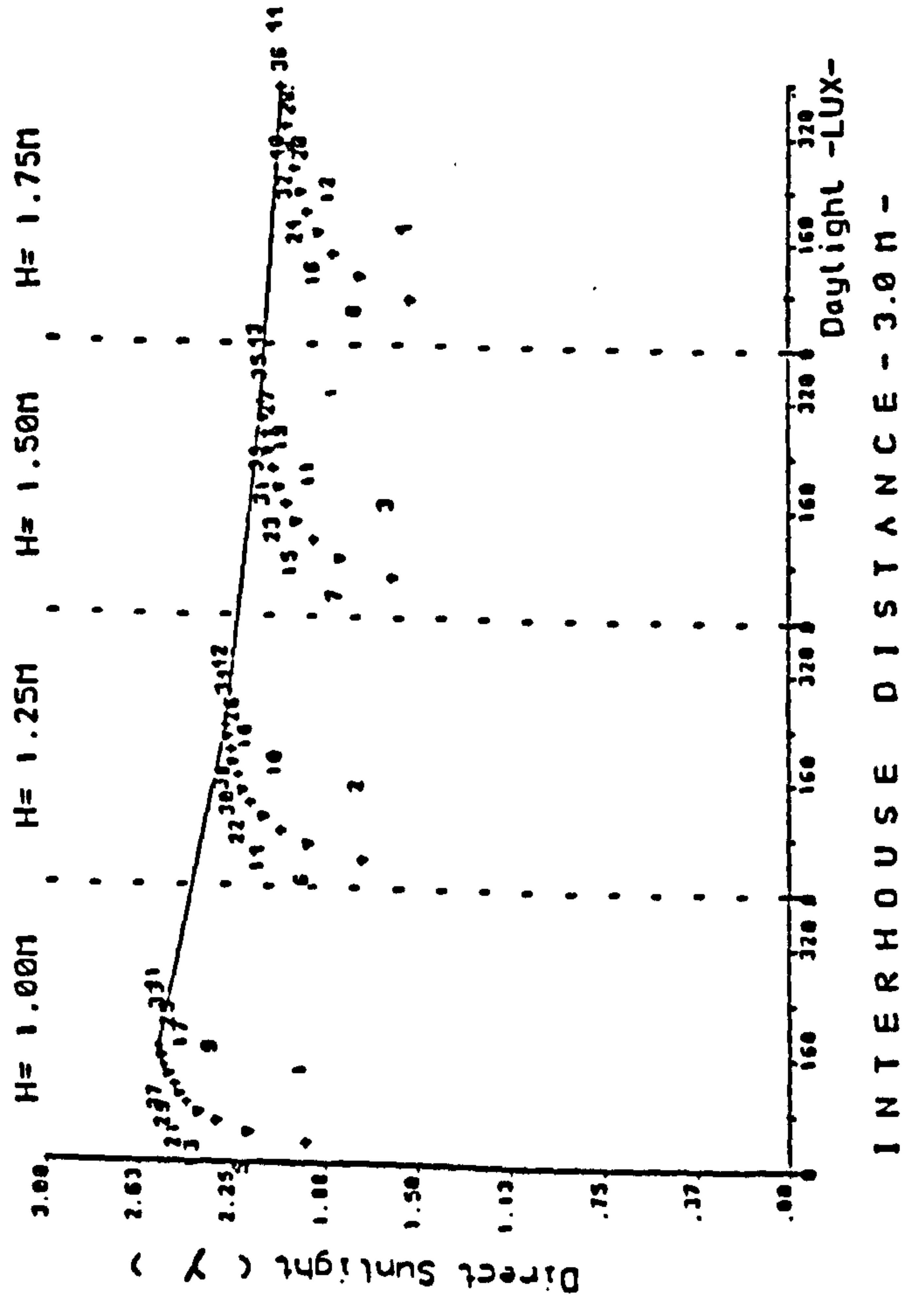
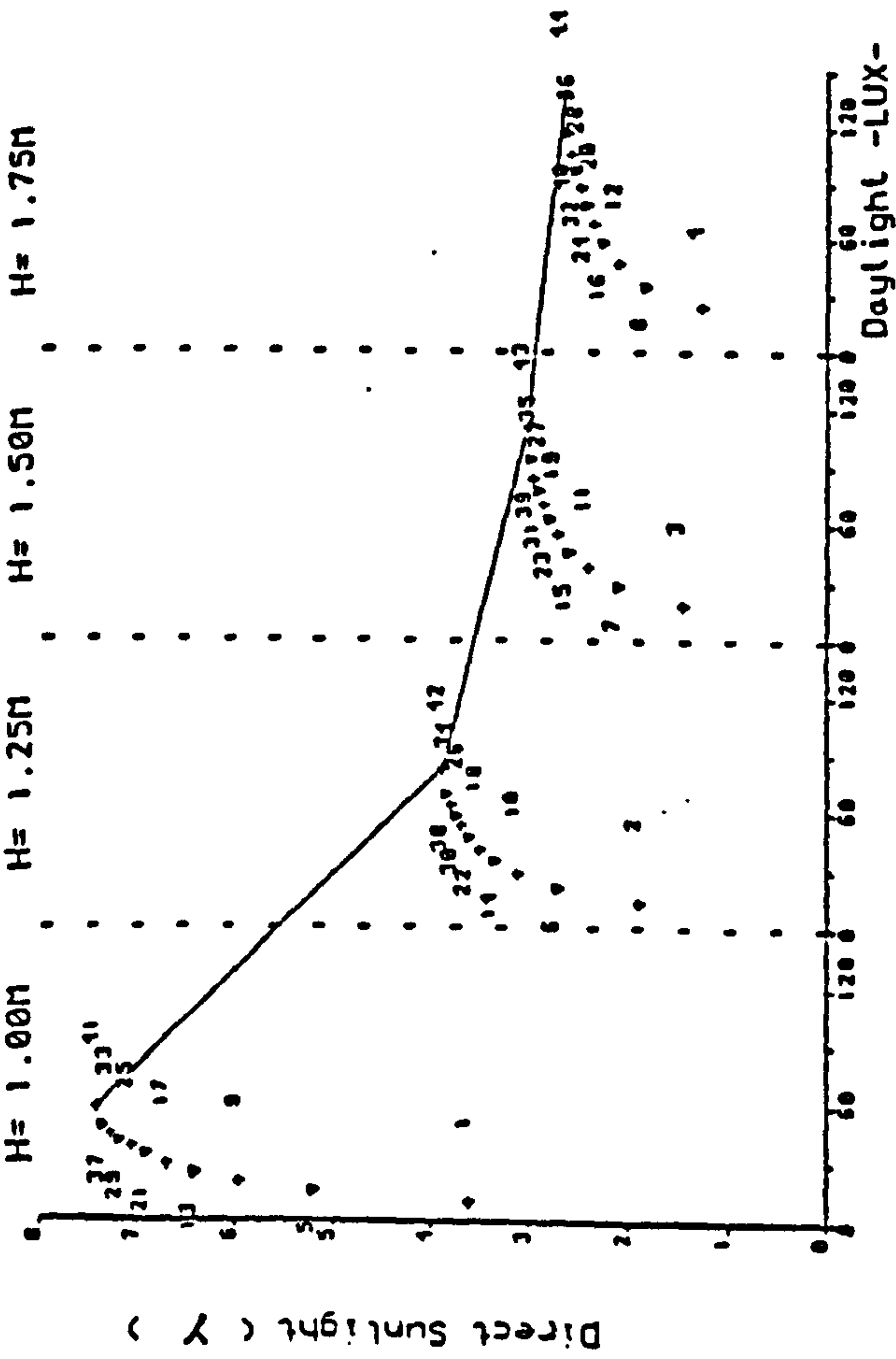
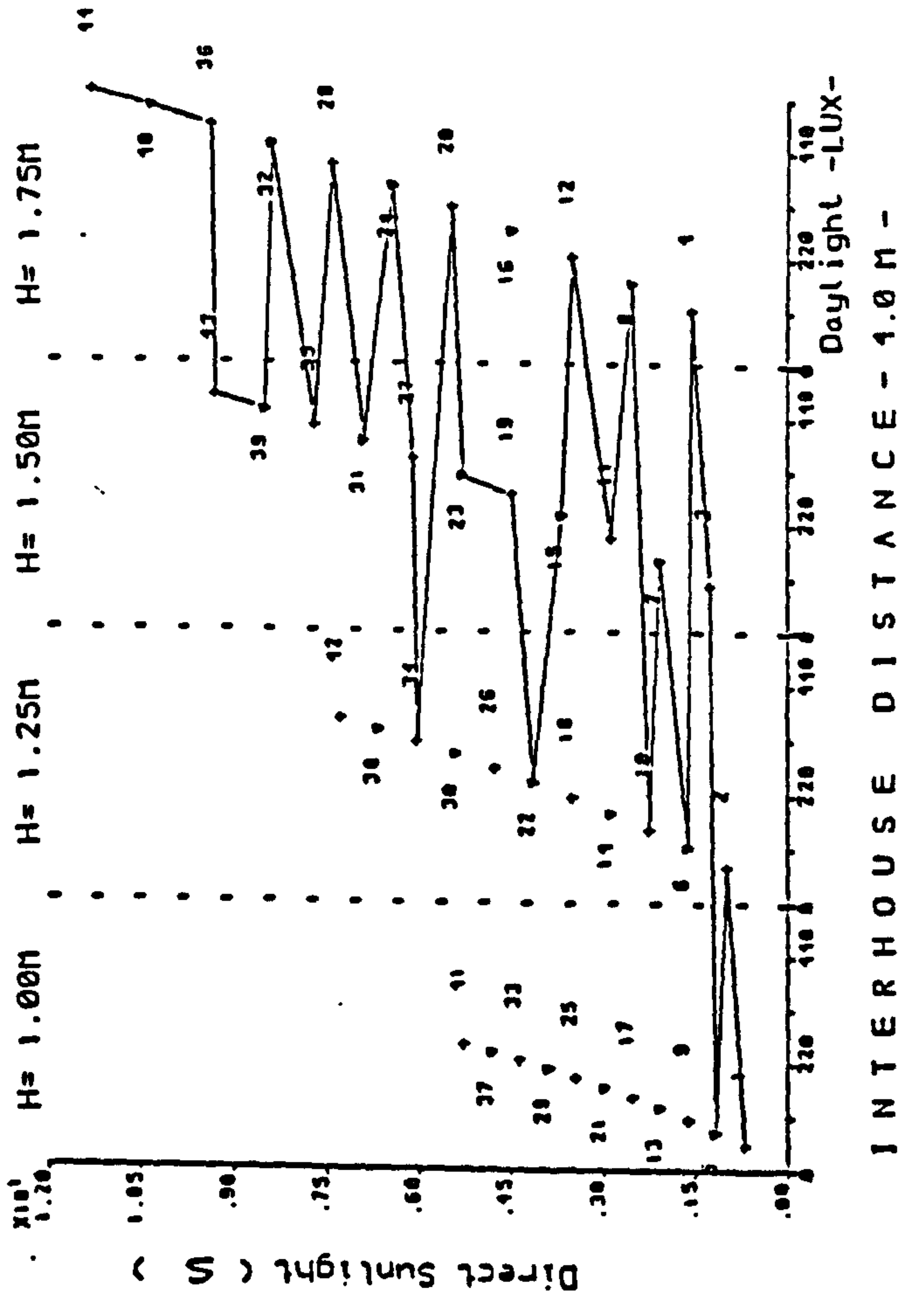
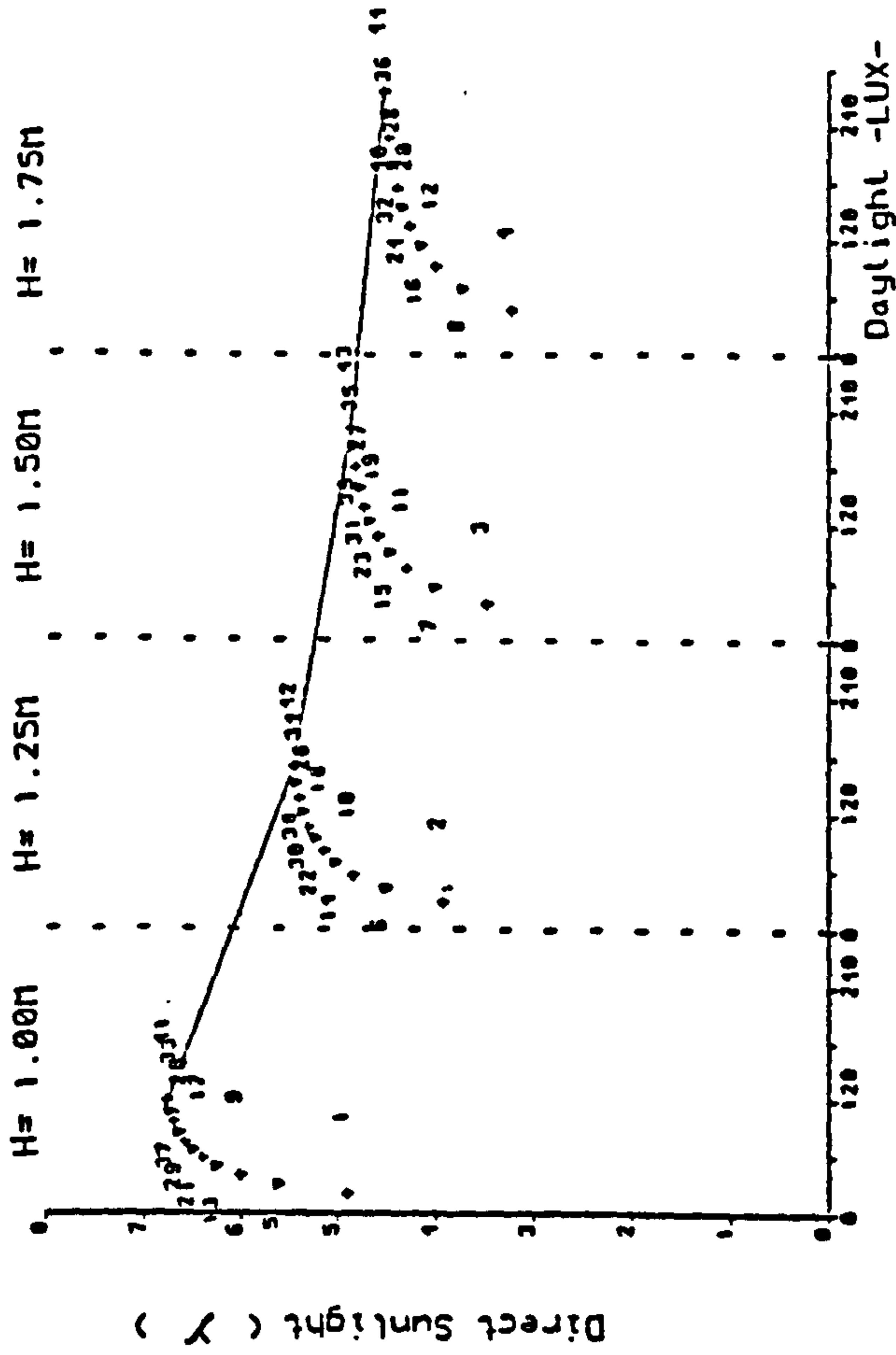


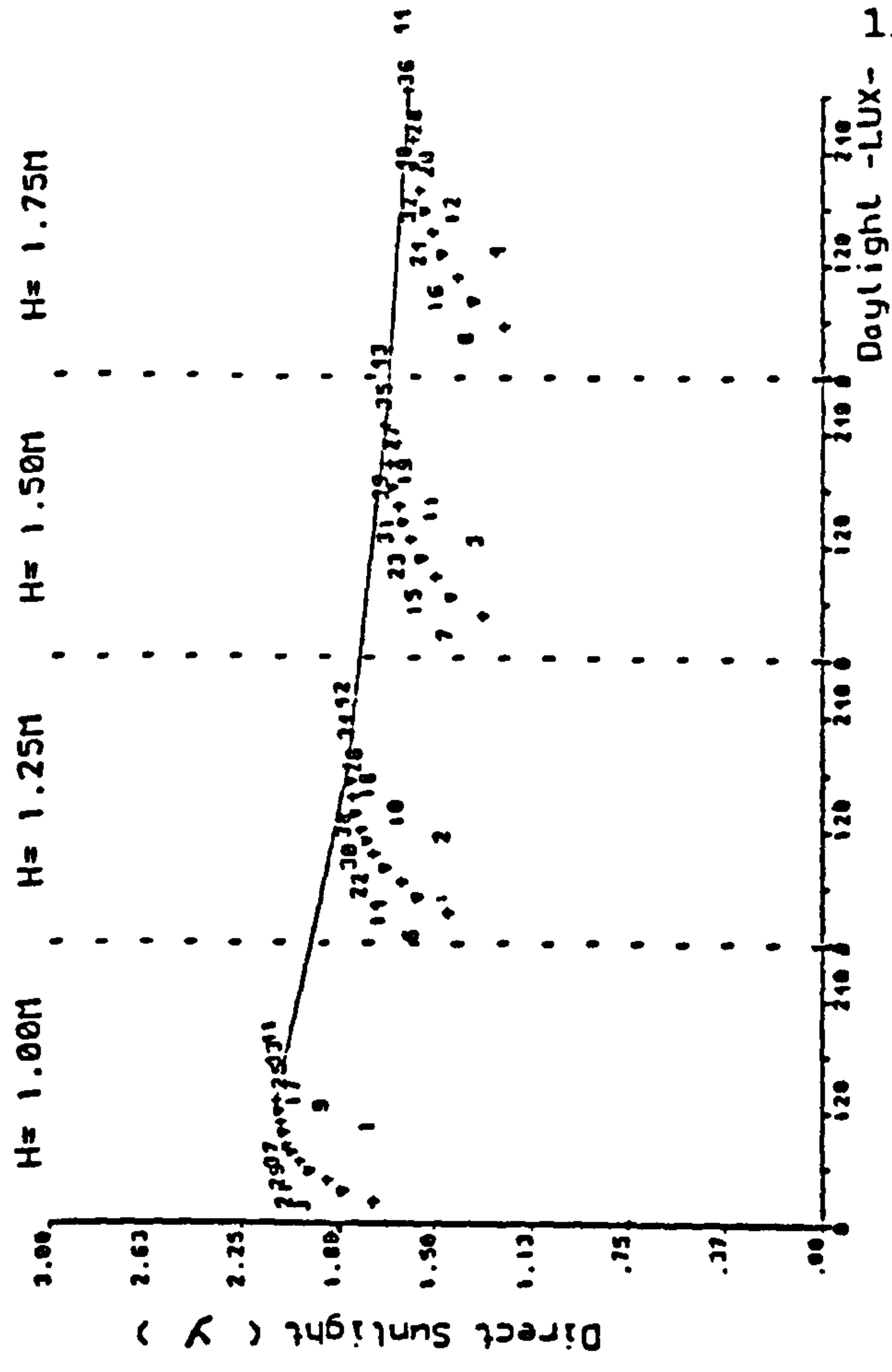
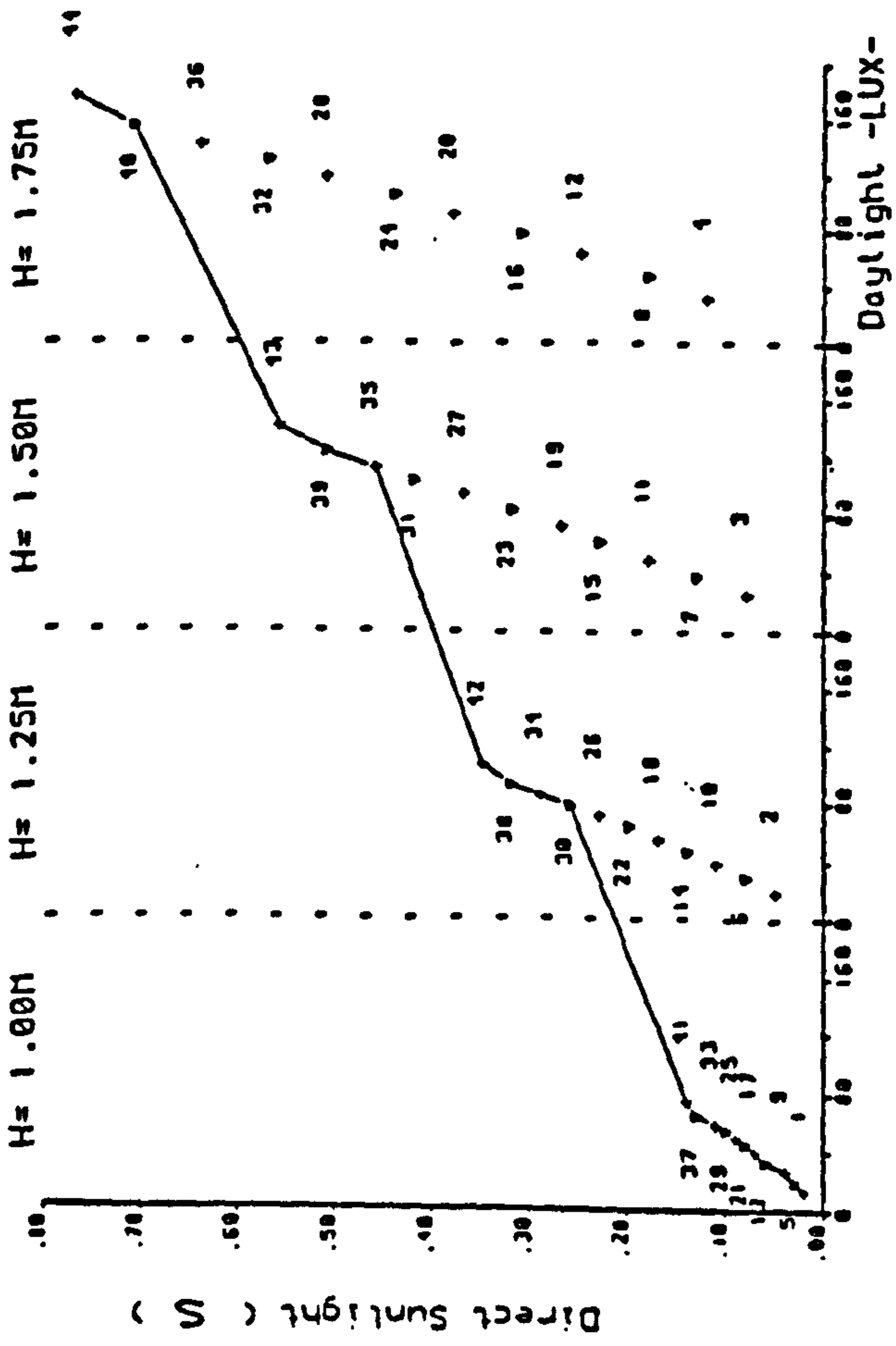
INTERHOUSE DISTANCE - 4.0 M -



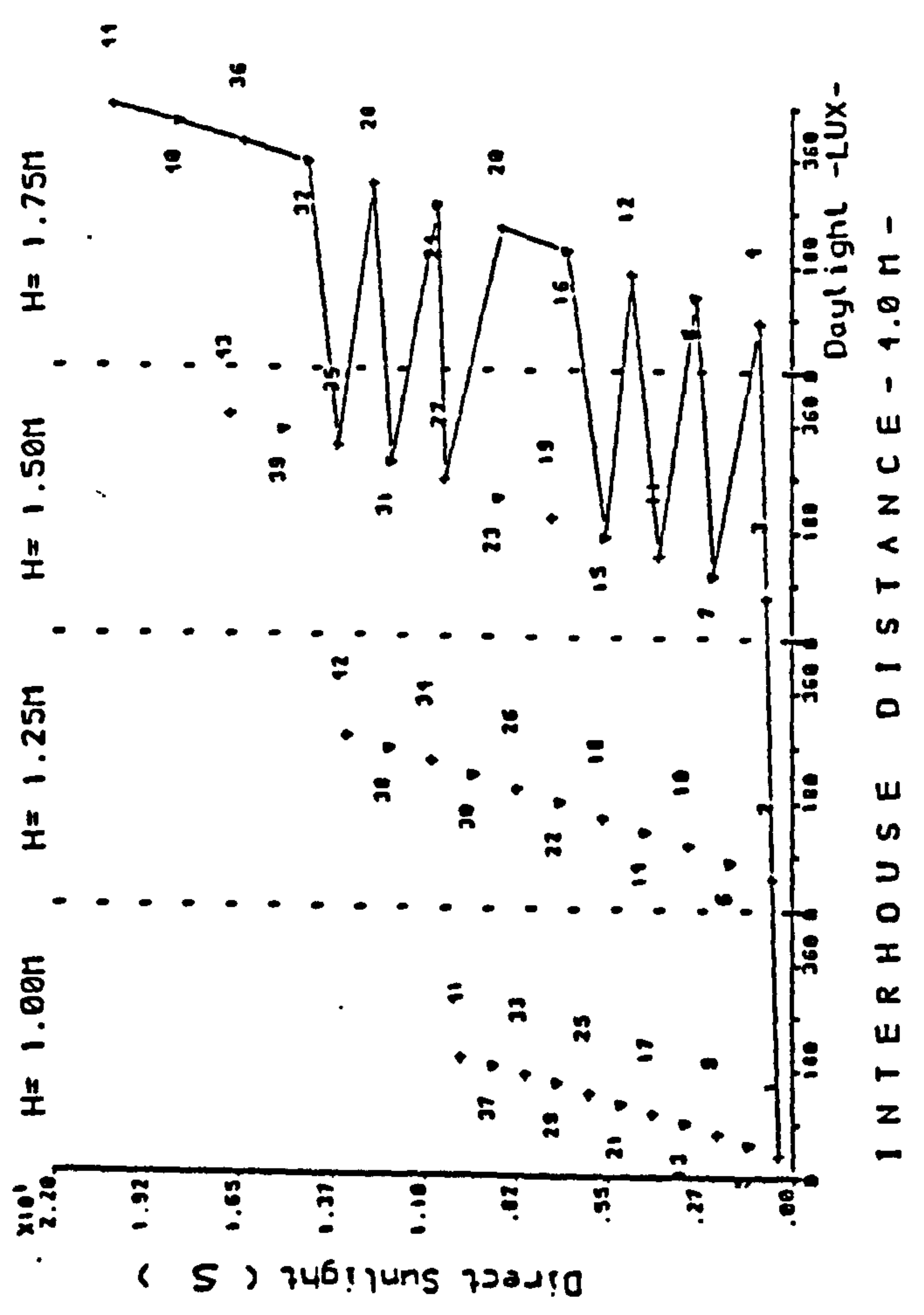
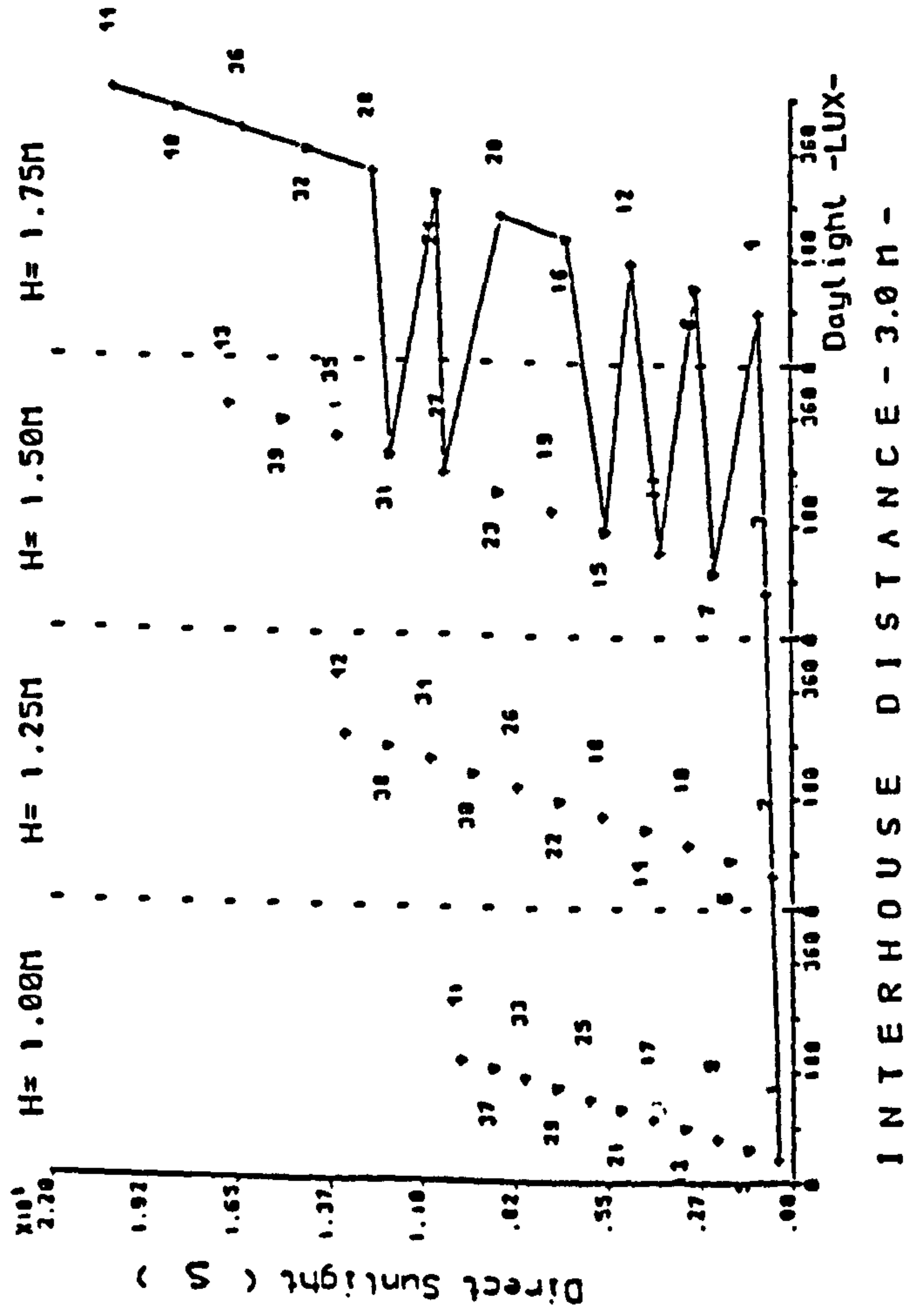








1560  
INTERHOUSE DISTANCE - 2.0M -

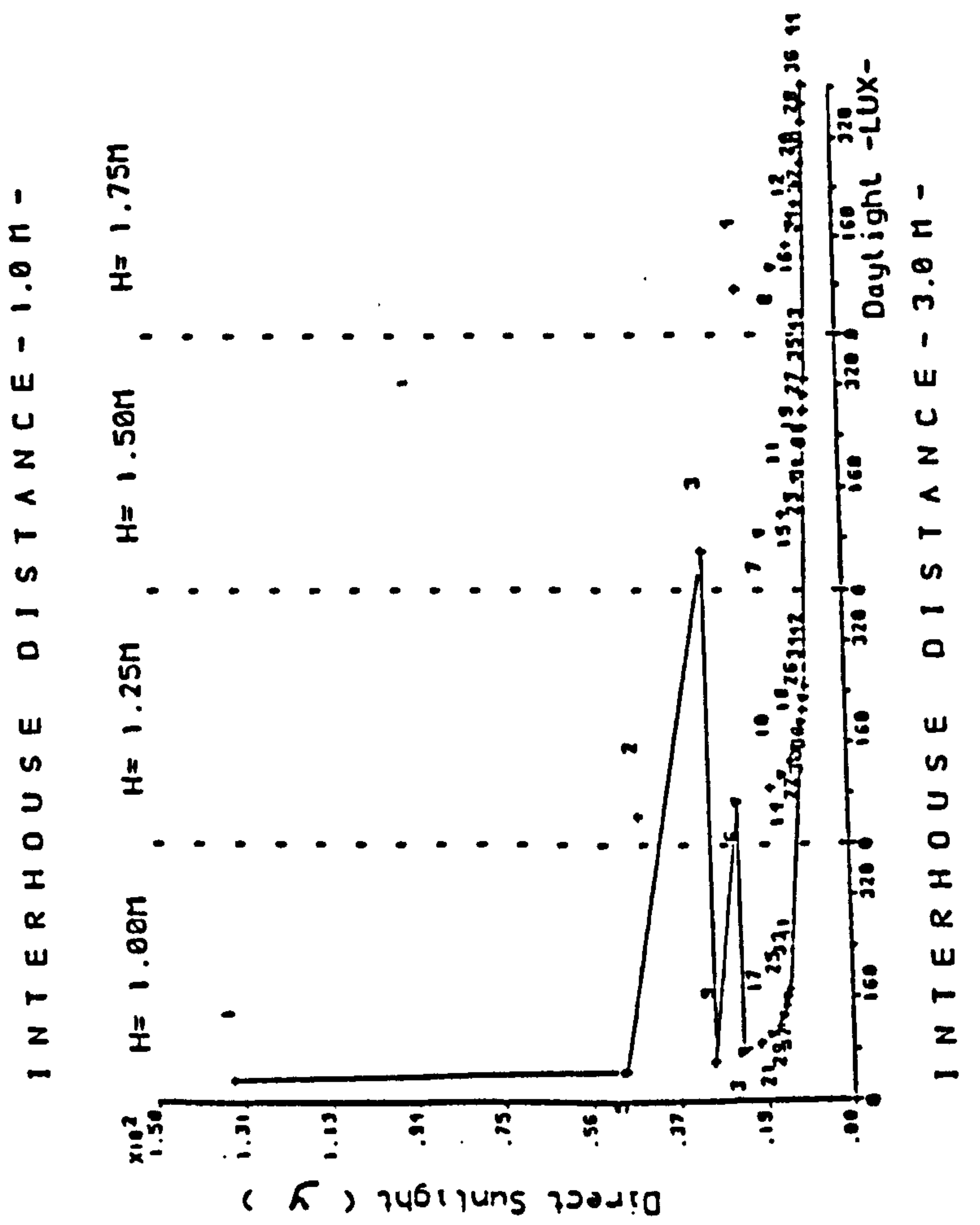
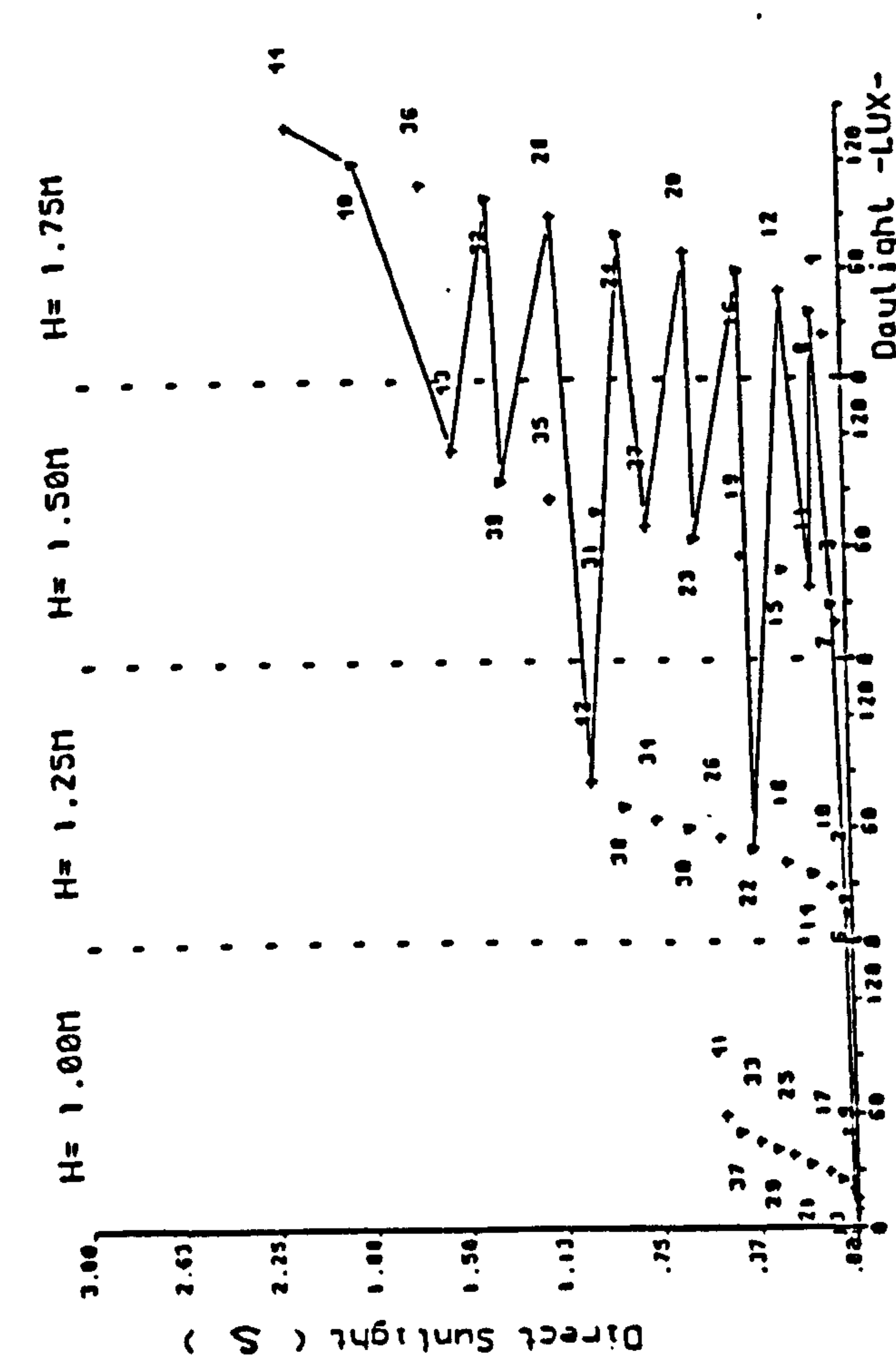
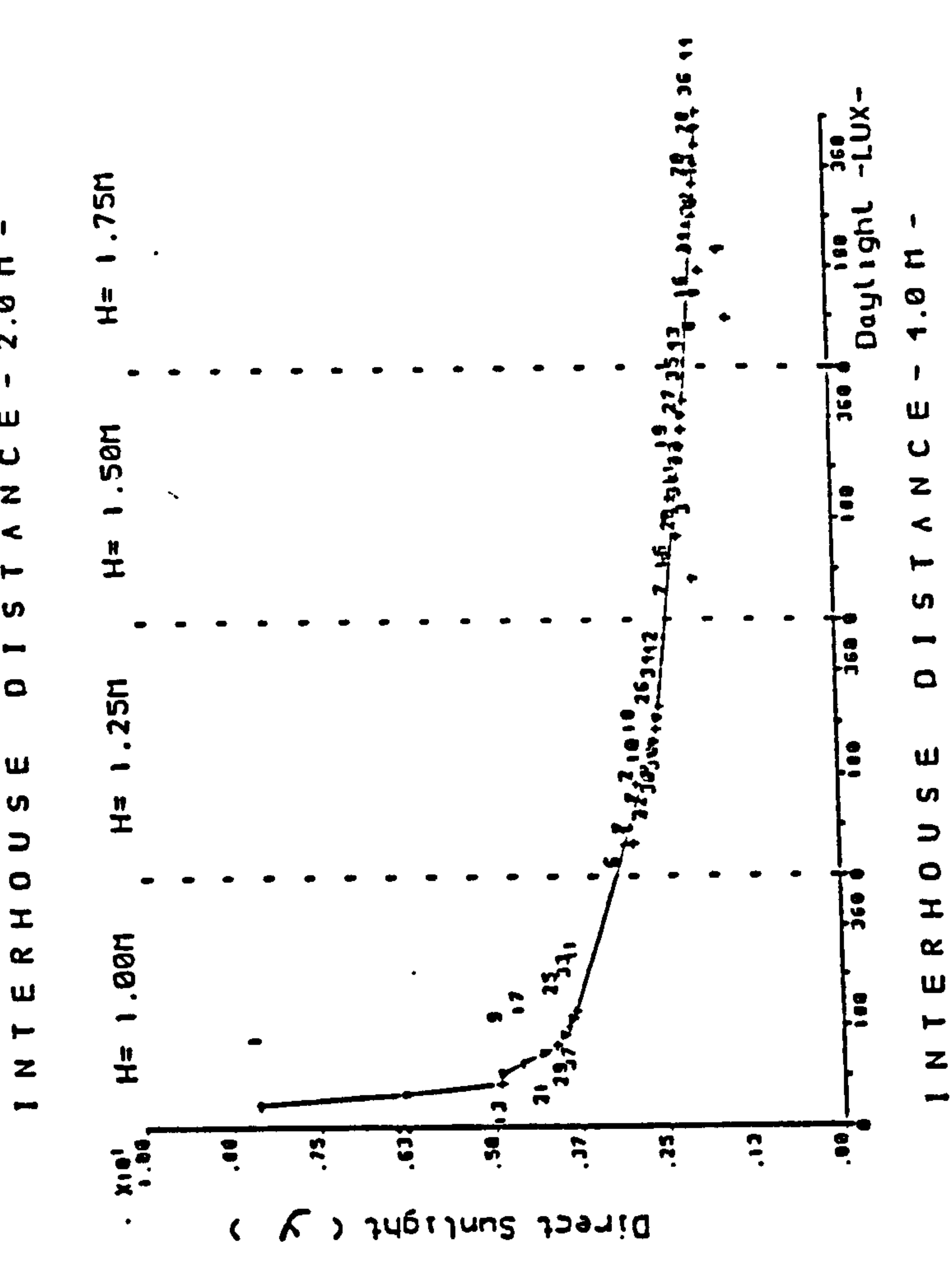
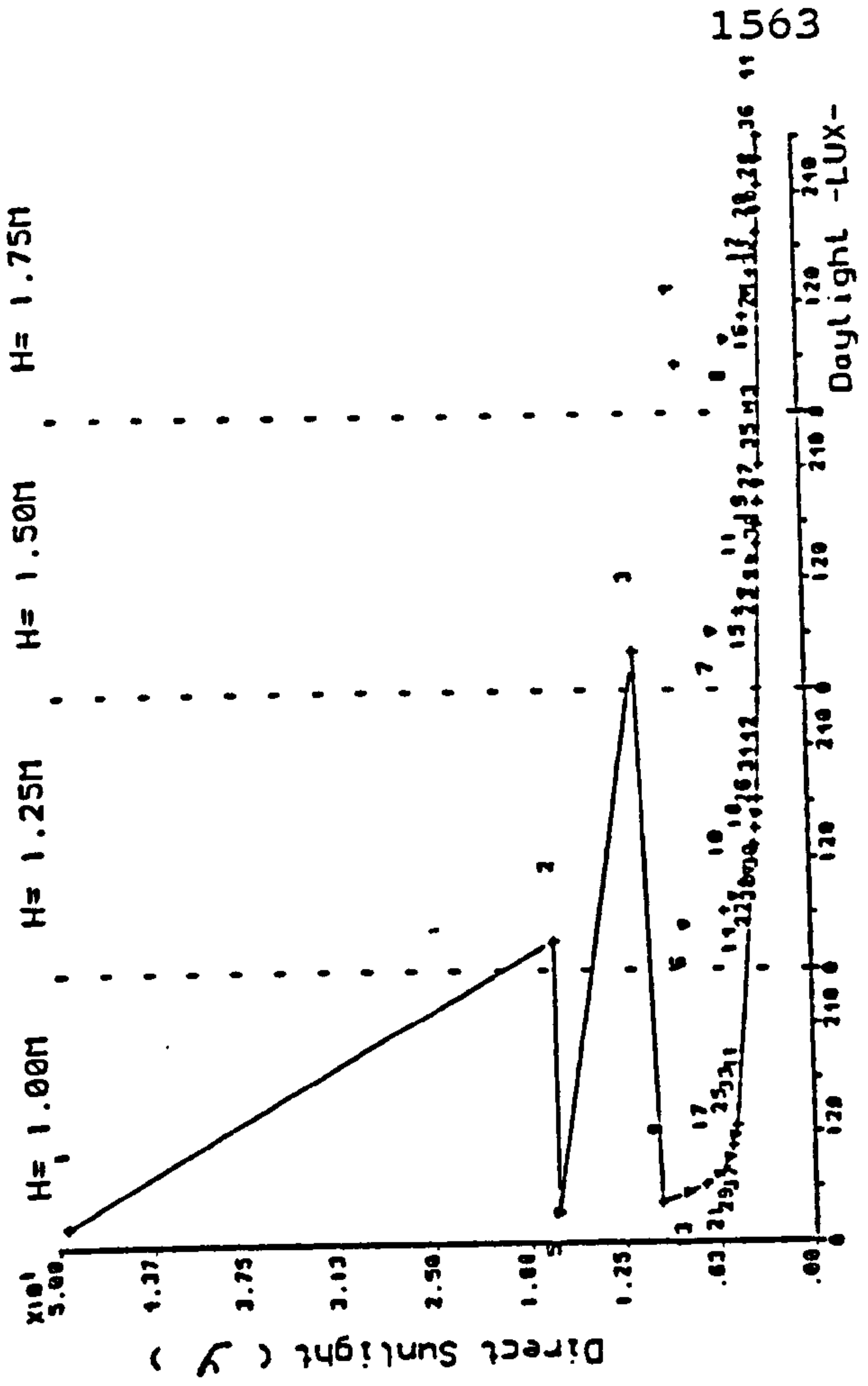


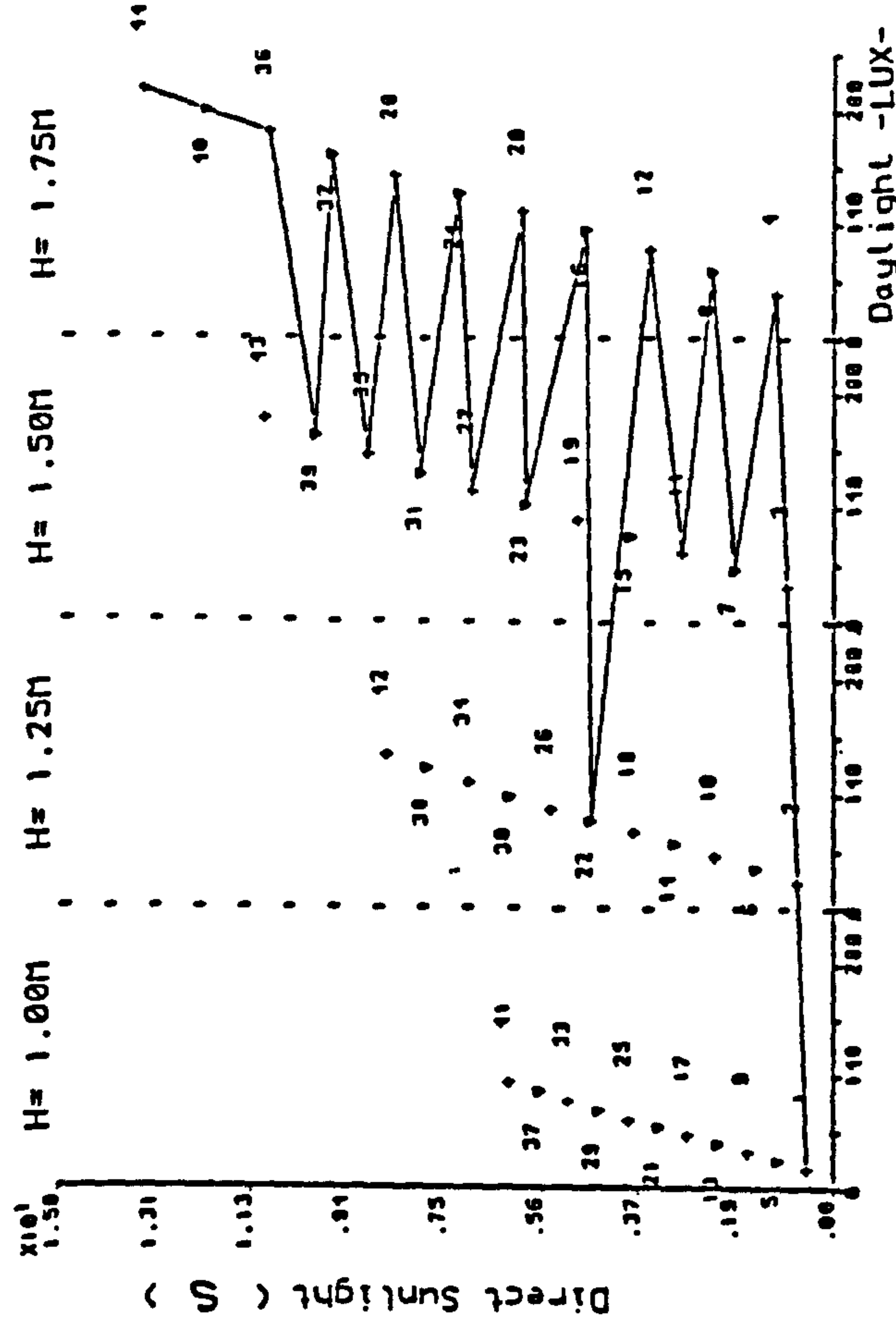
INTERHOUSE DISTANCE - 4.0M -



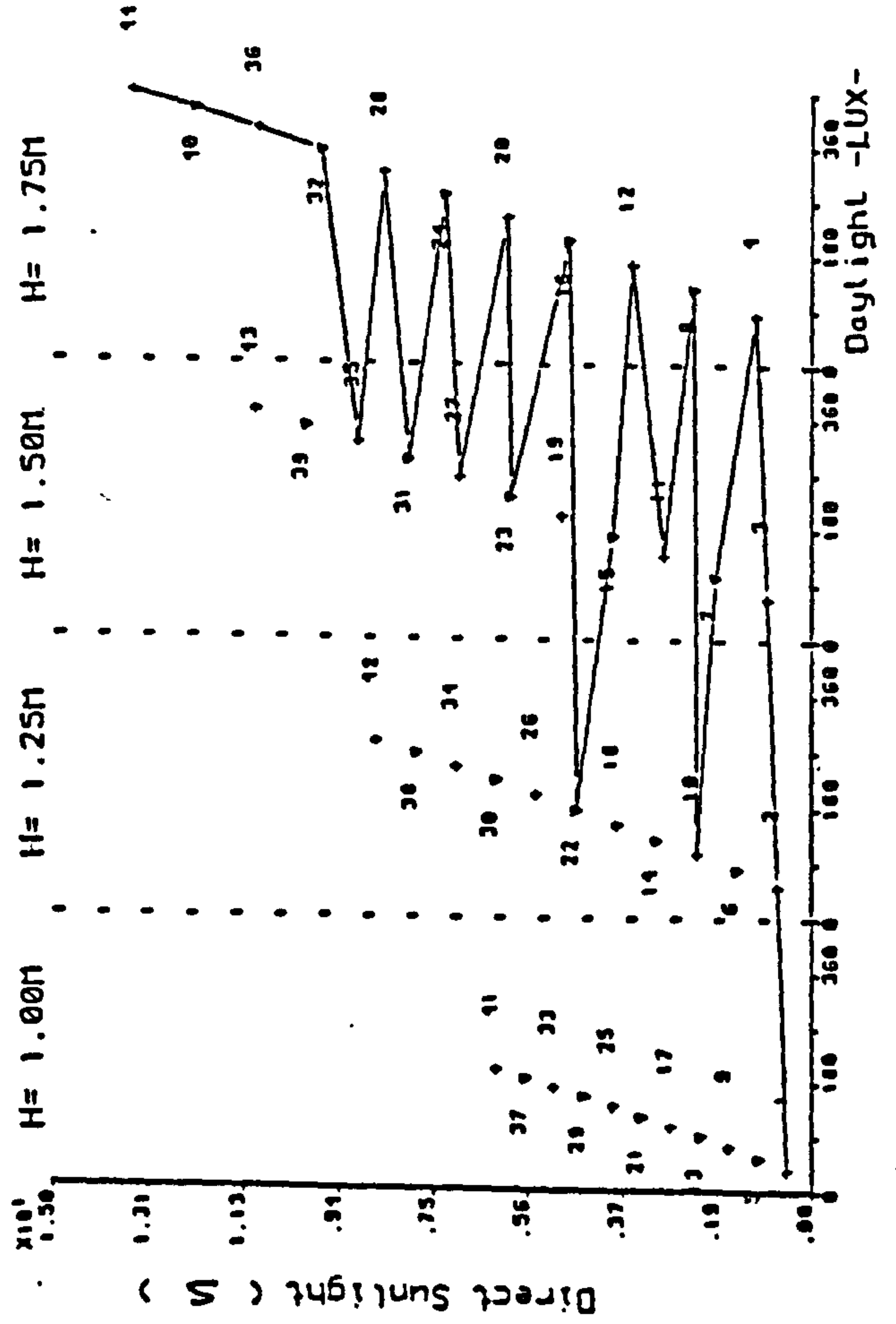




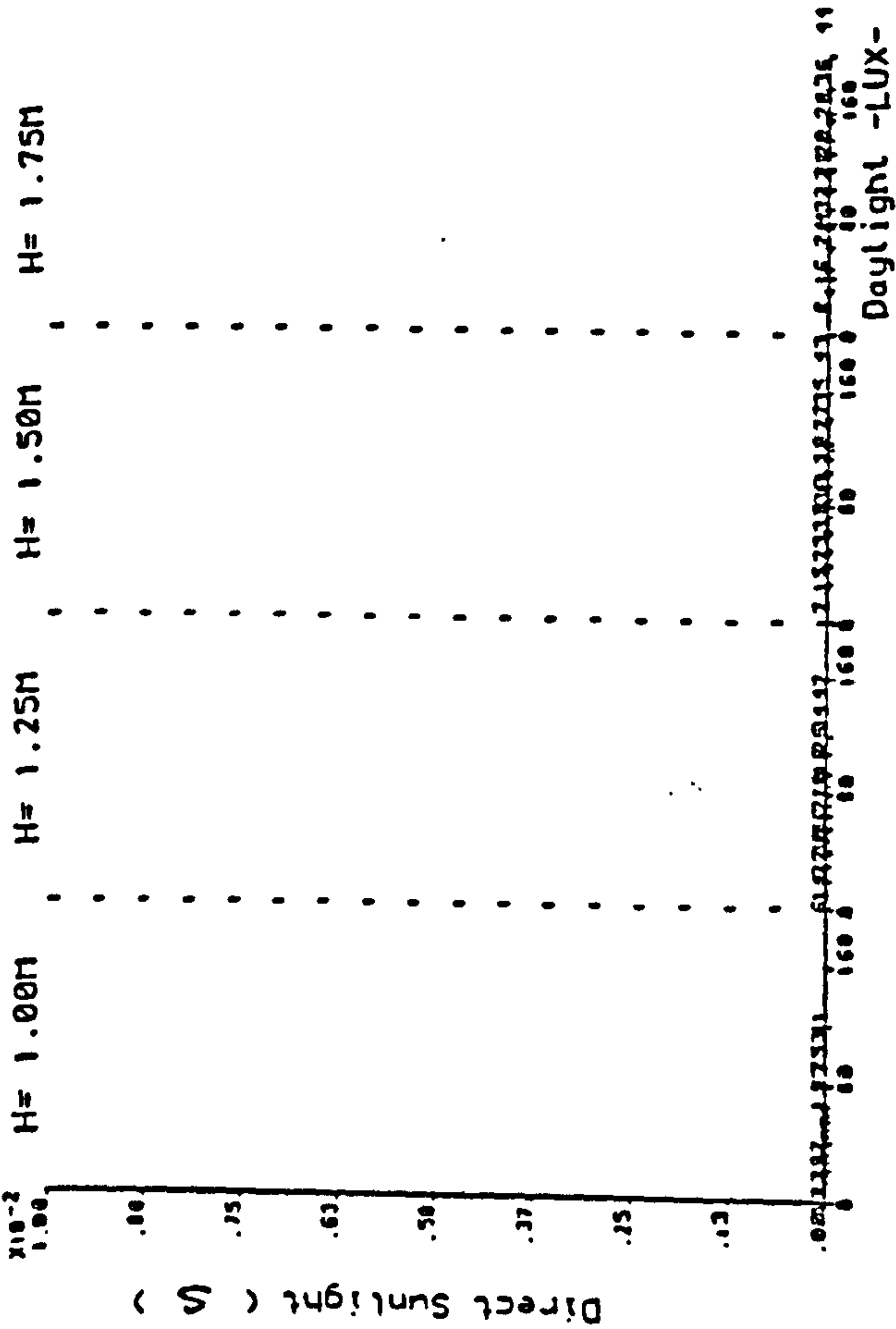




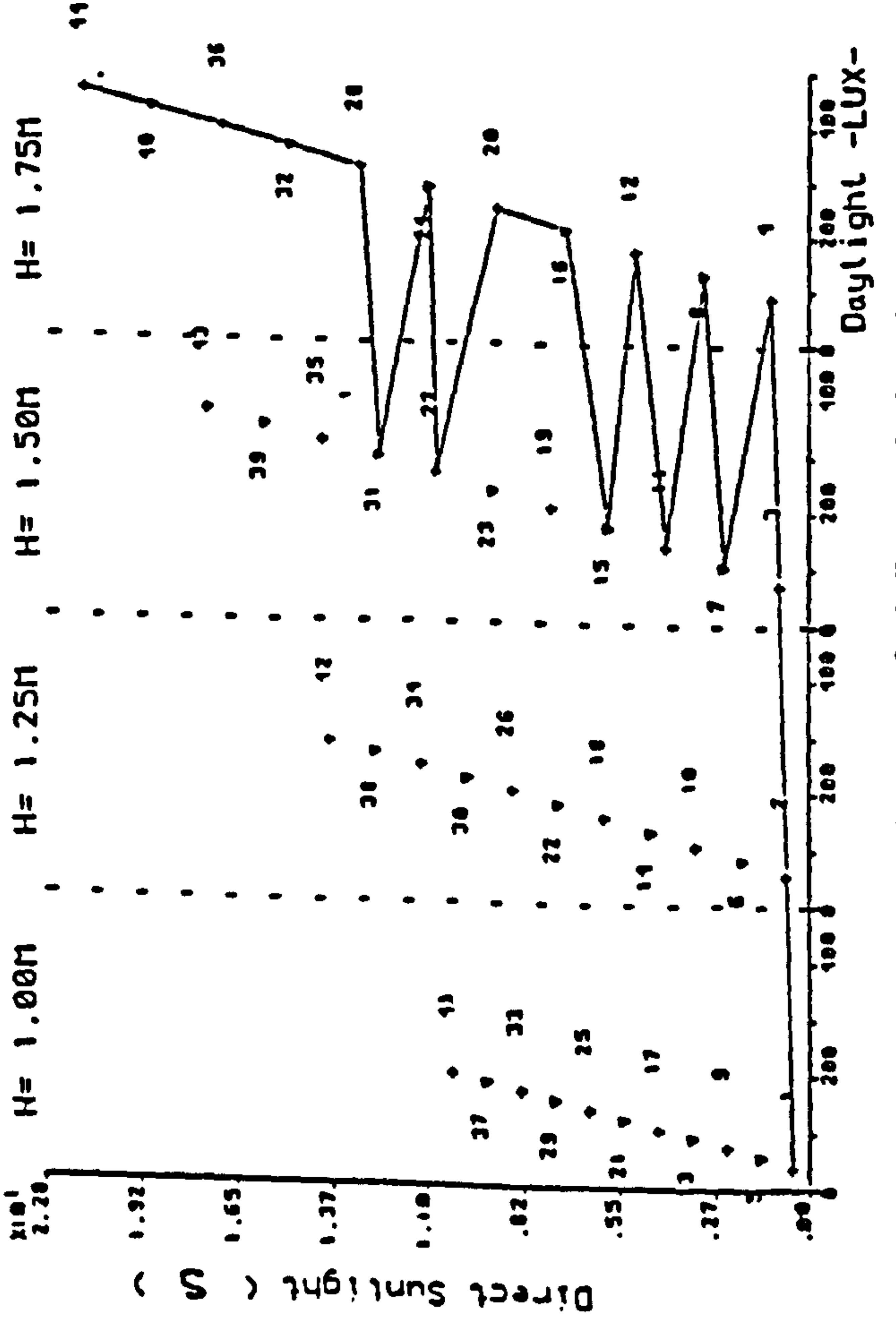
INTERHOUSE DISTANCE - 2.0 M -



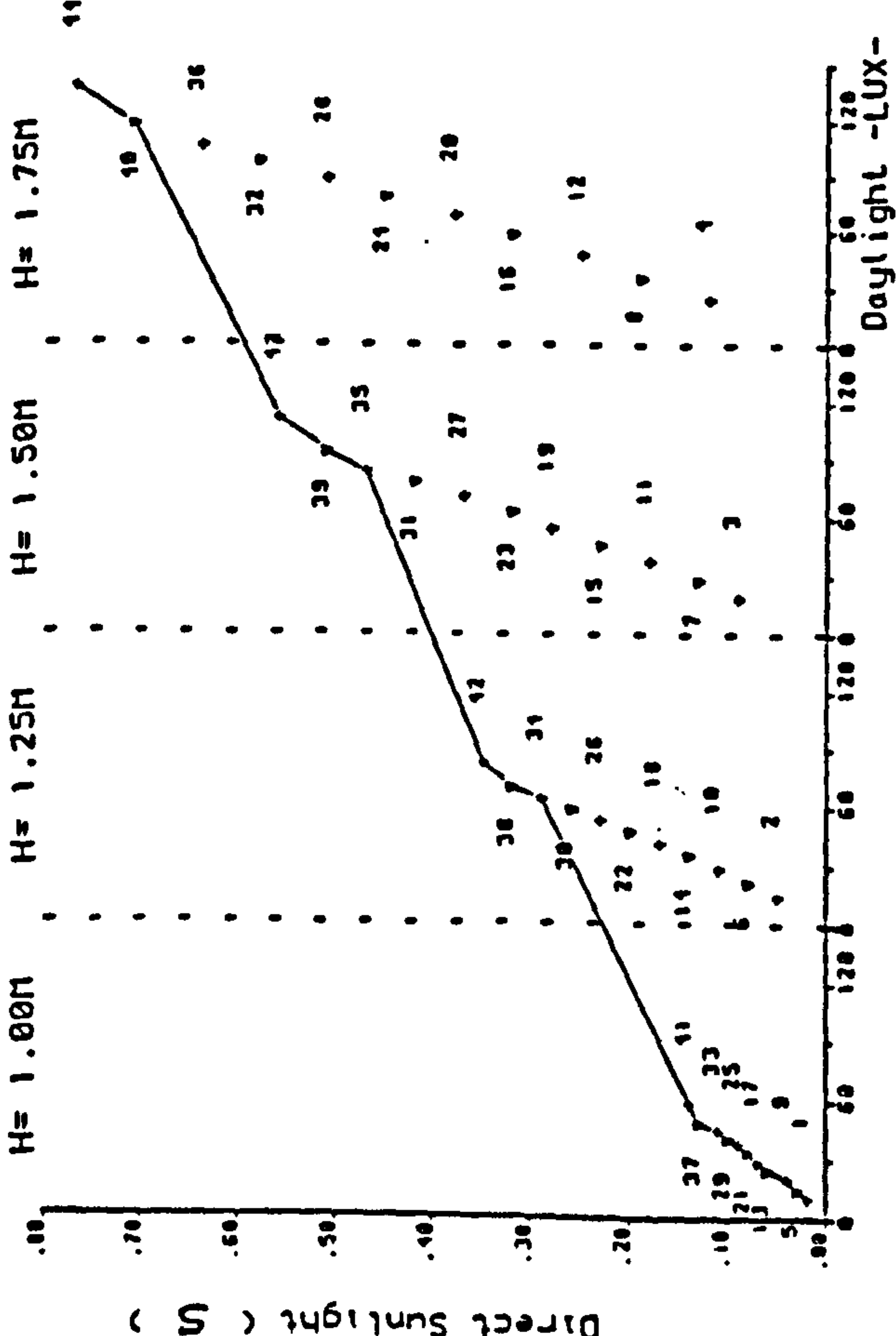
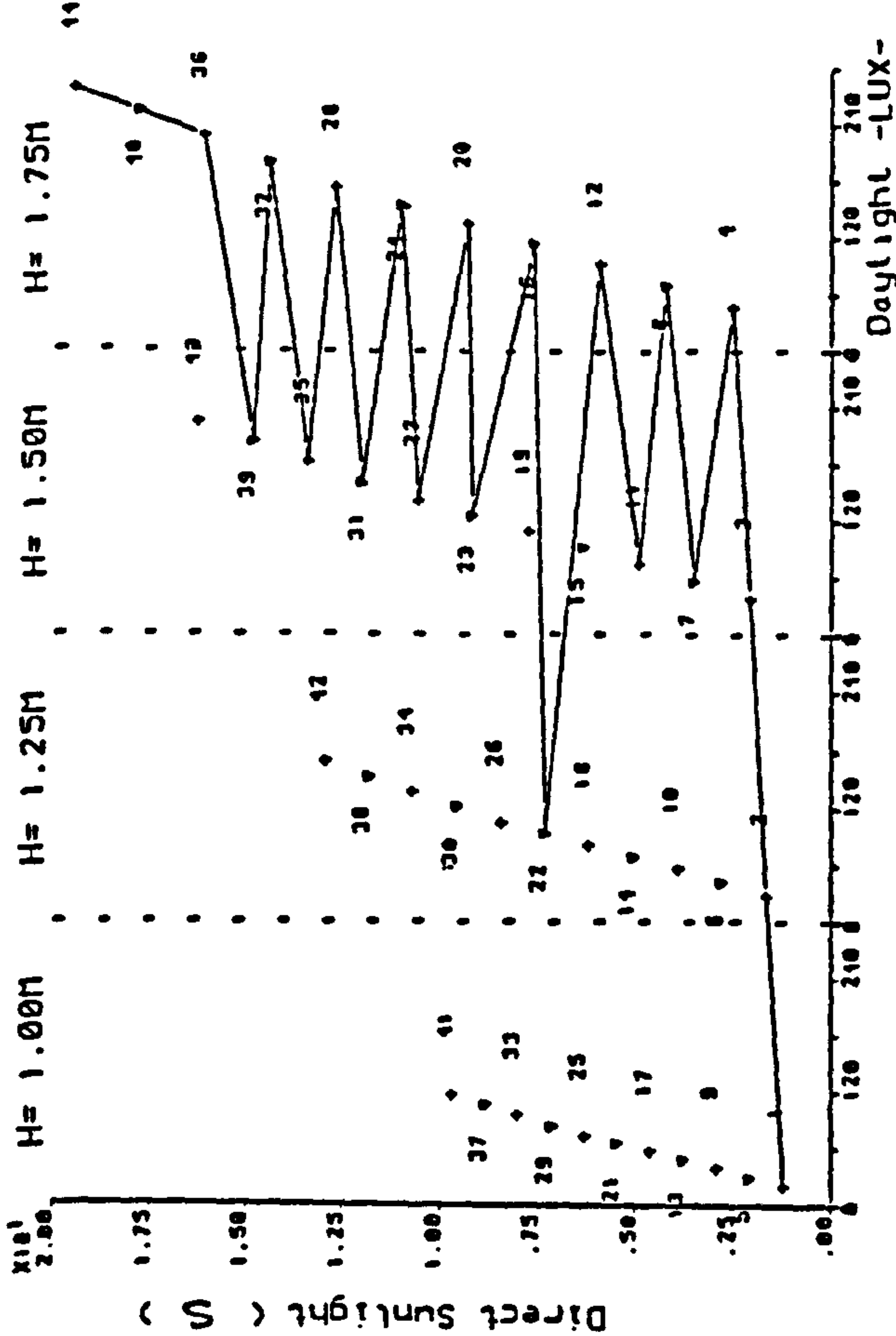
INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 1.0 M -

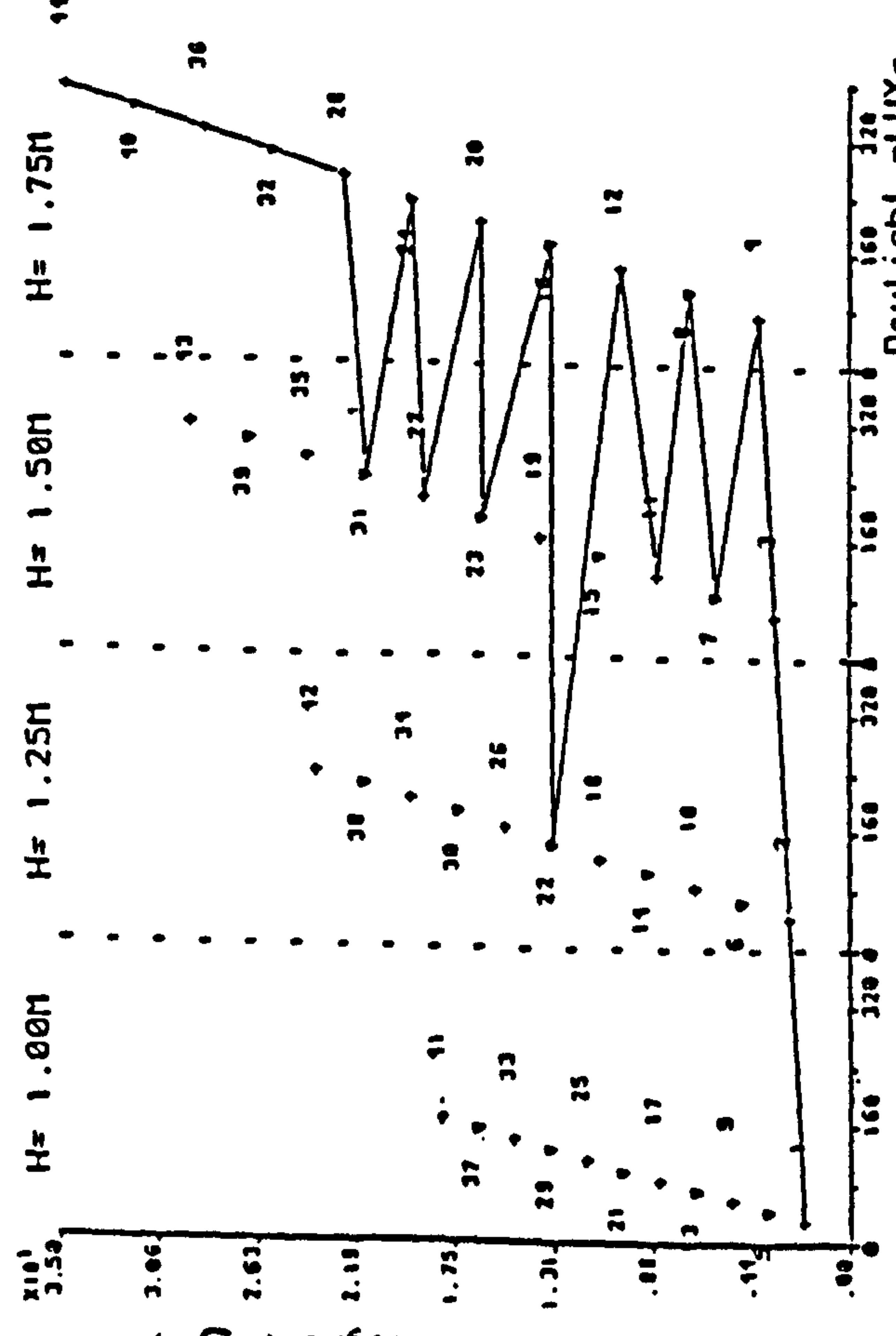
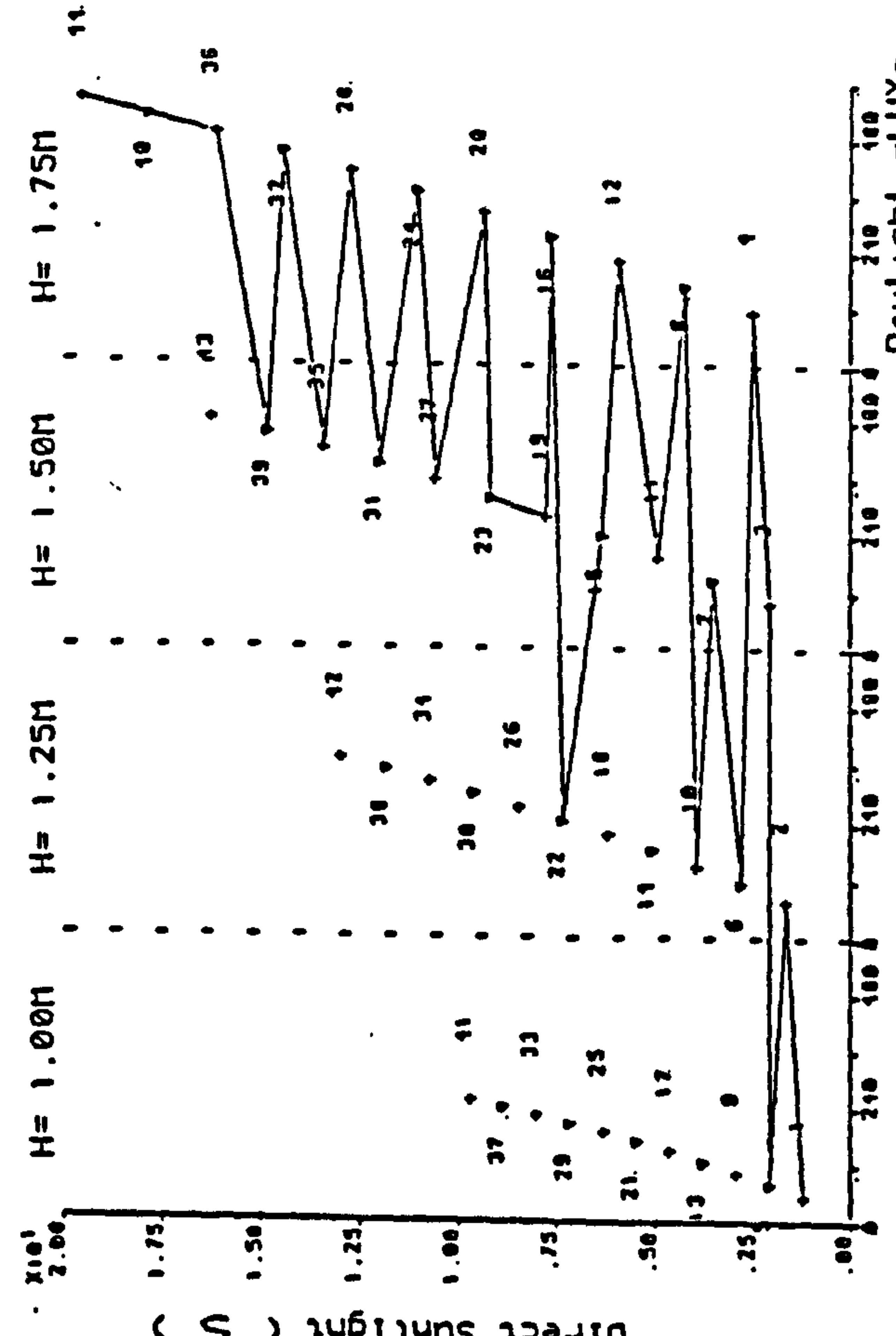


INTERHOUSE DISTANCE - 3.0 M -



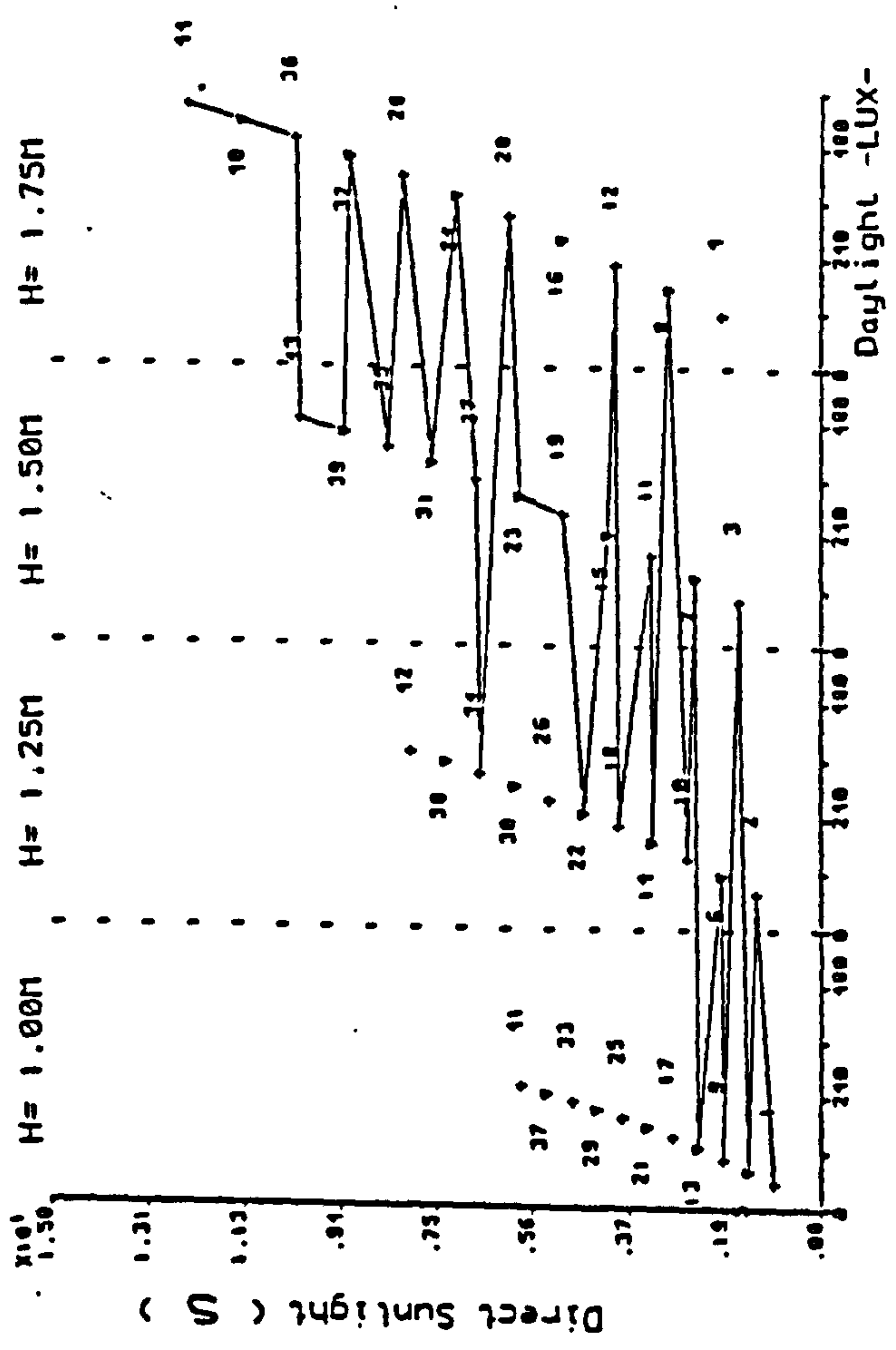
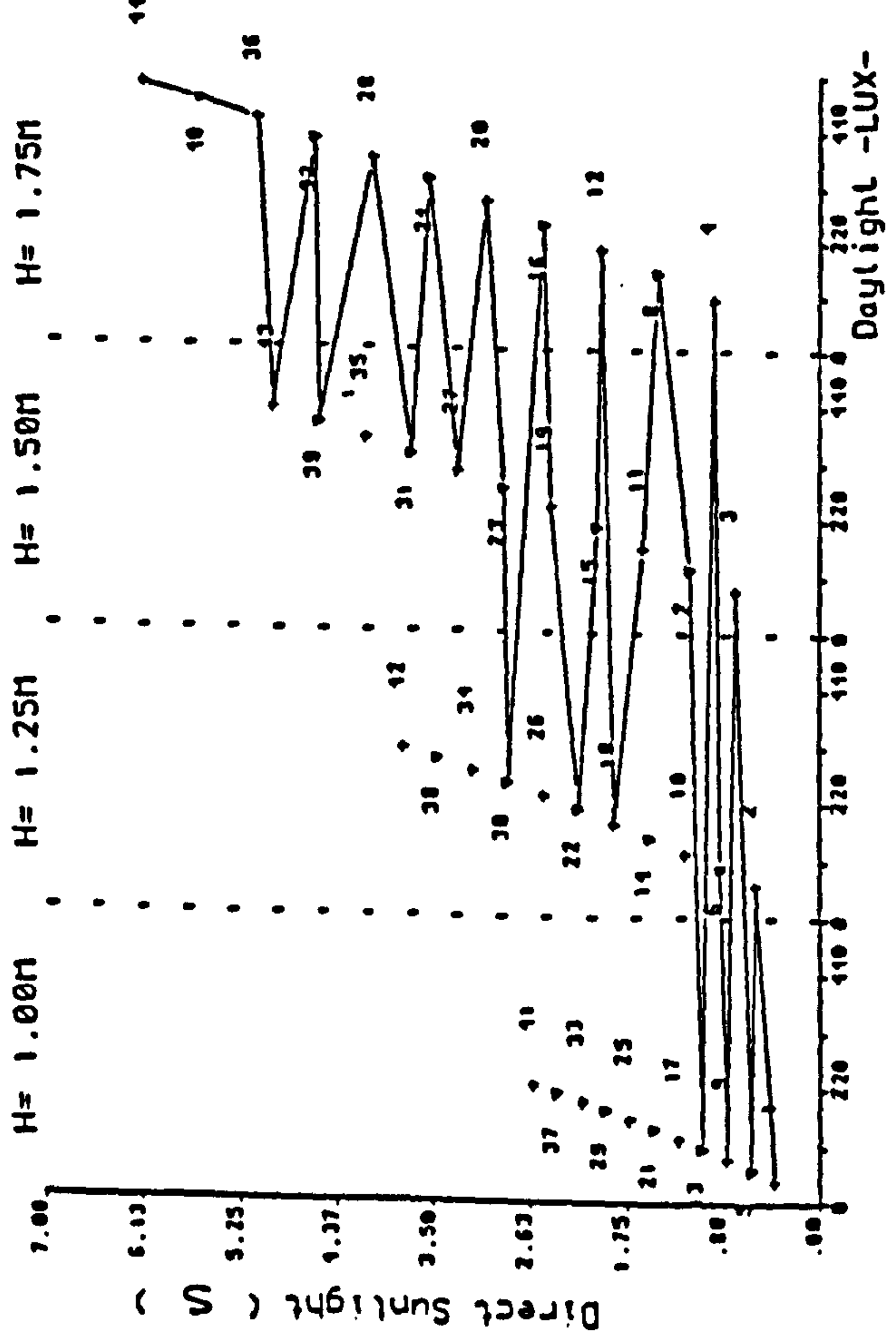
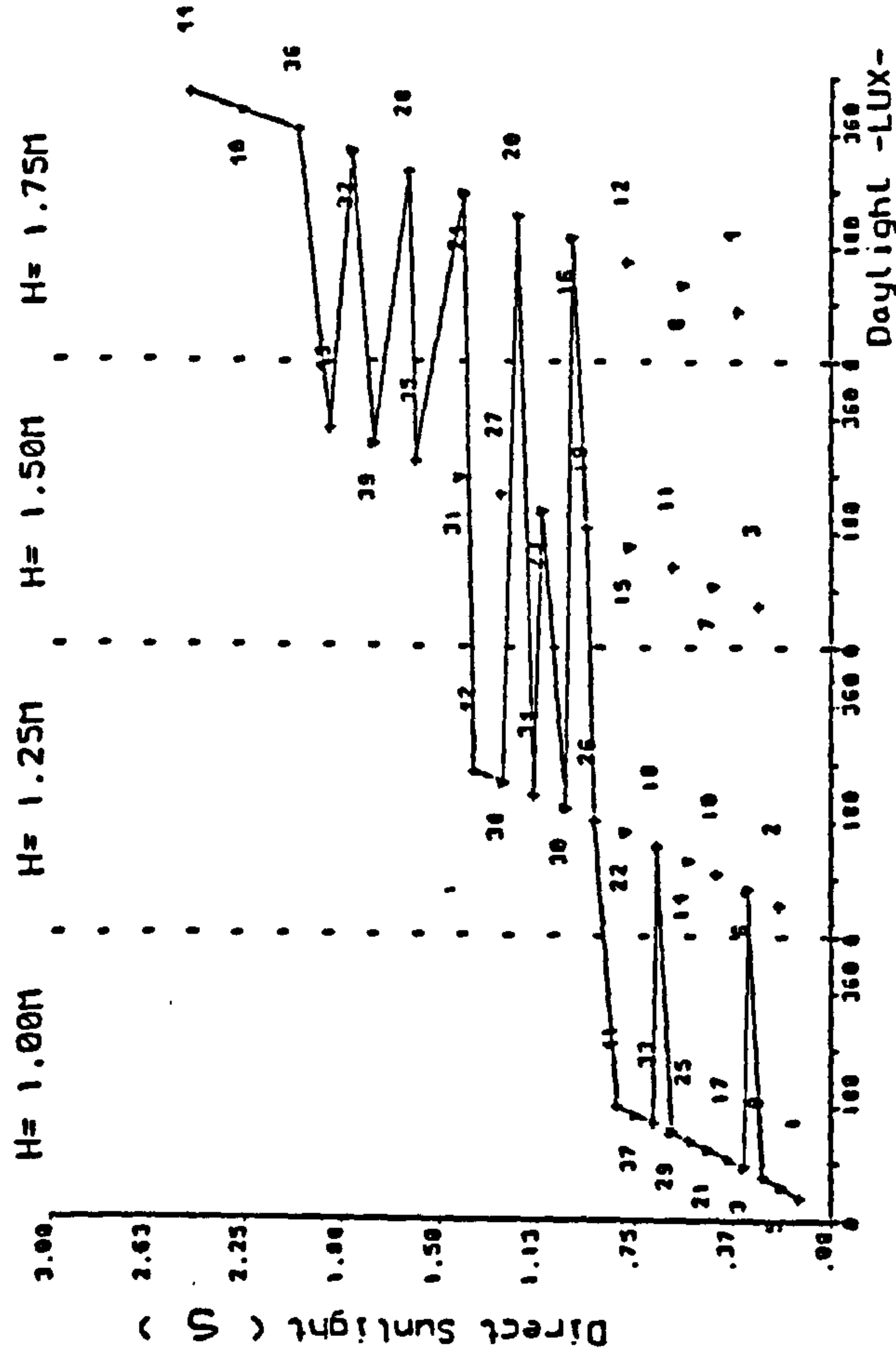
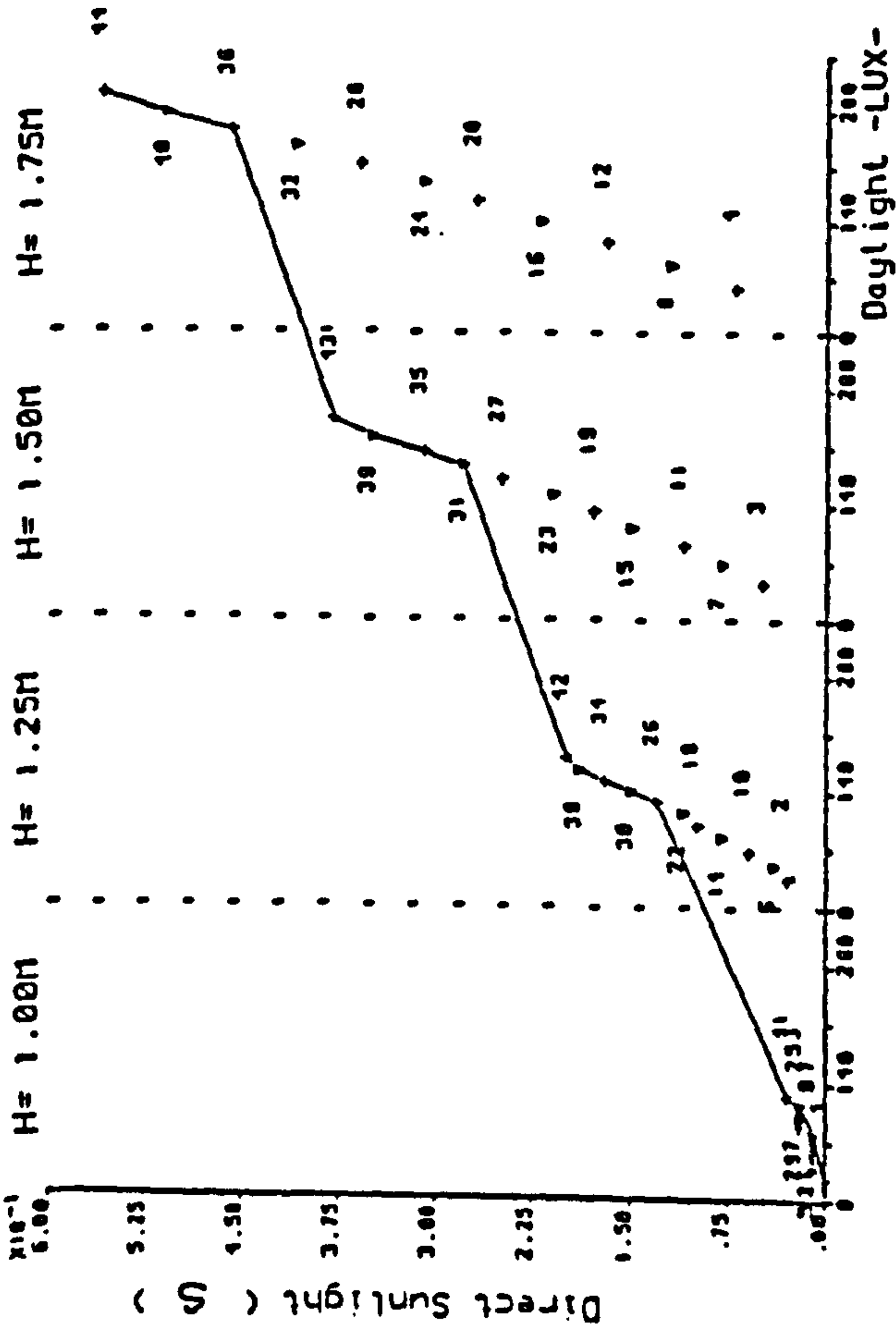
INTERHOUSE DISTANCE - 2.0 M -

INTERHOUSE DISTANCE - 1.0 M -

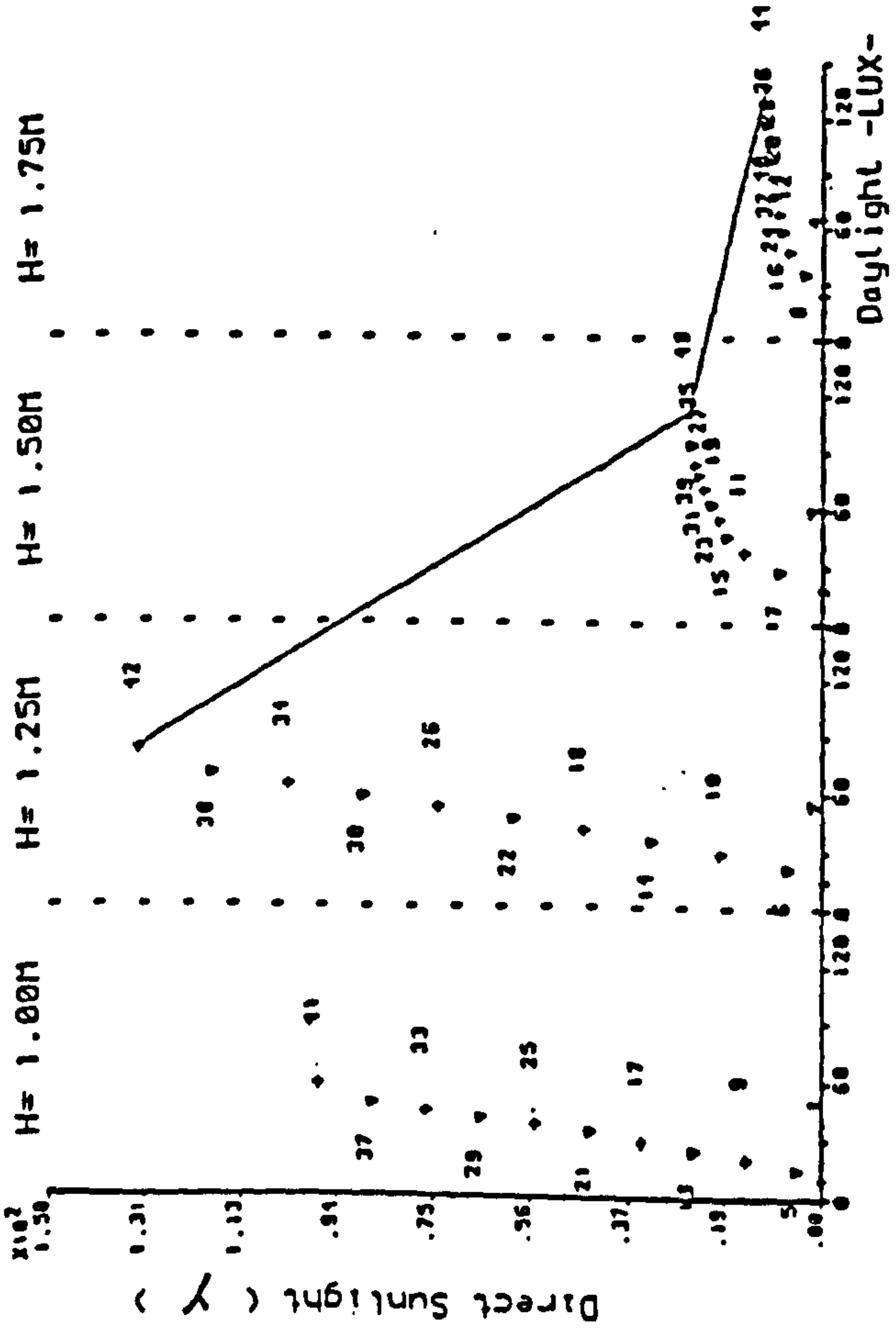
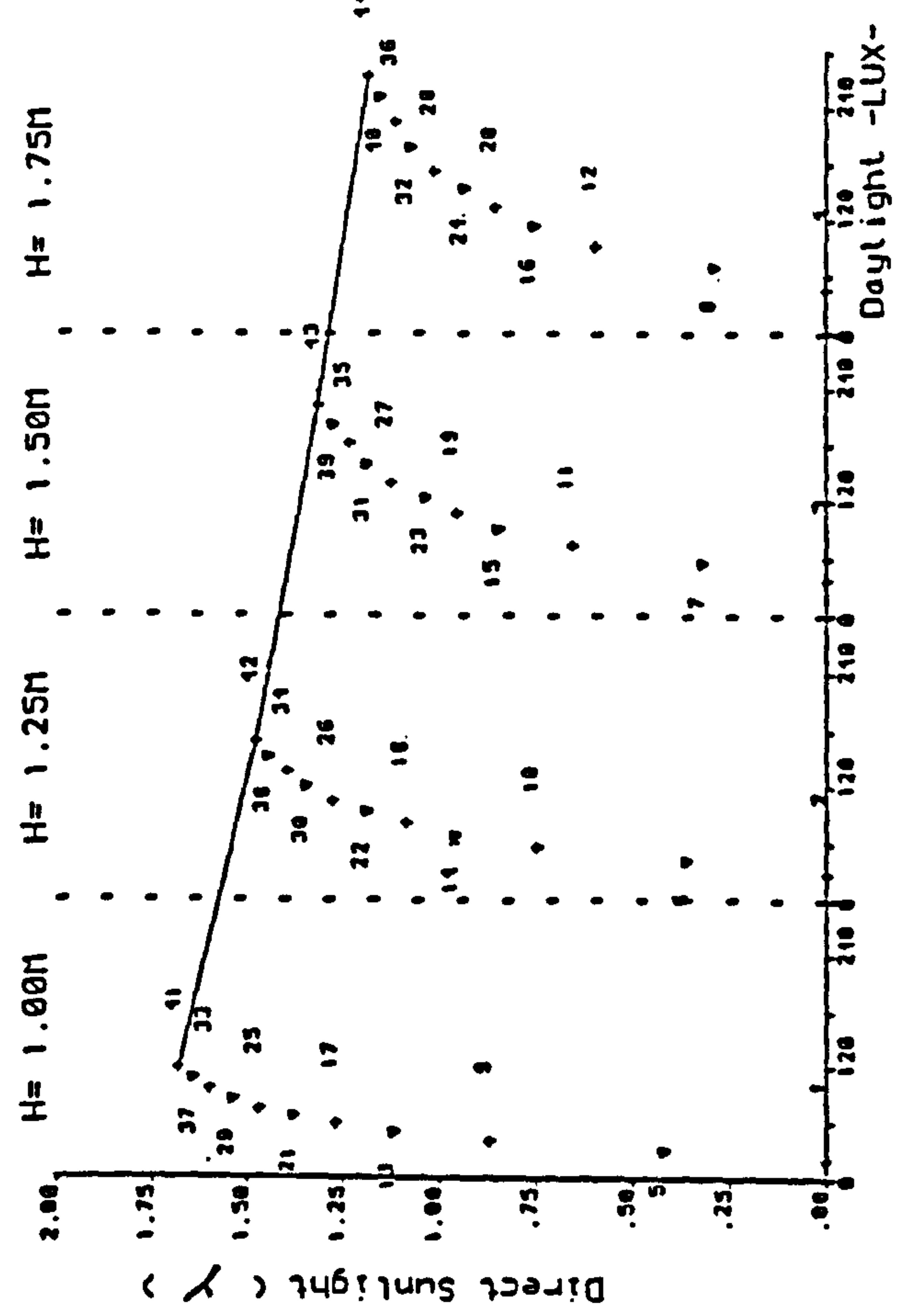


INTERHOUSE DISTANCE - 4.0 M -

INTERHOUSE DISTANCE - 3.0 M -

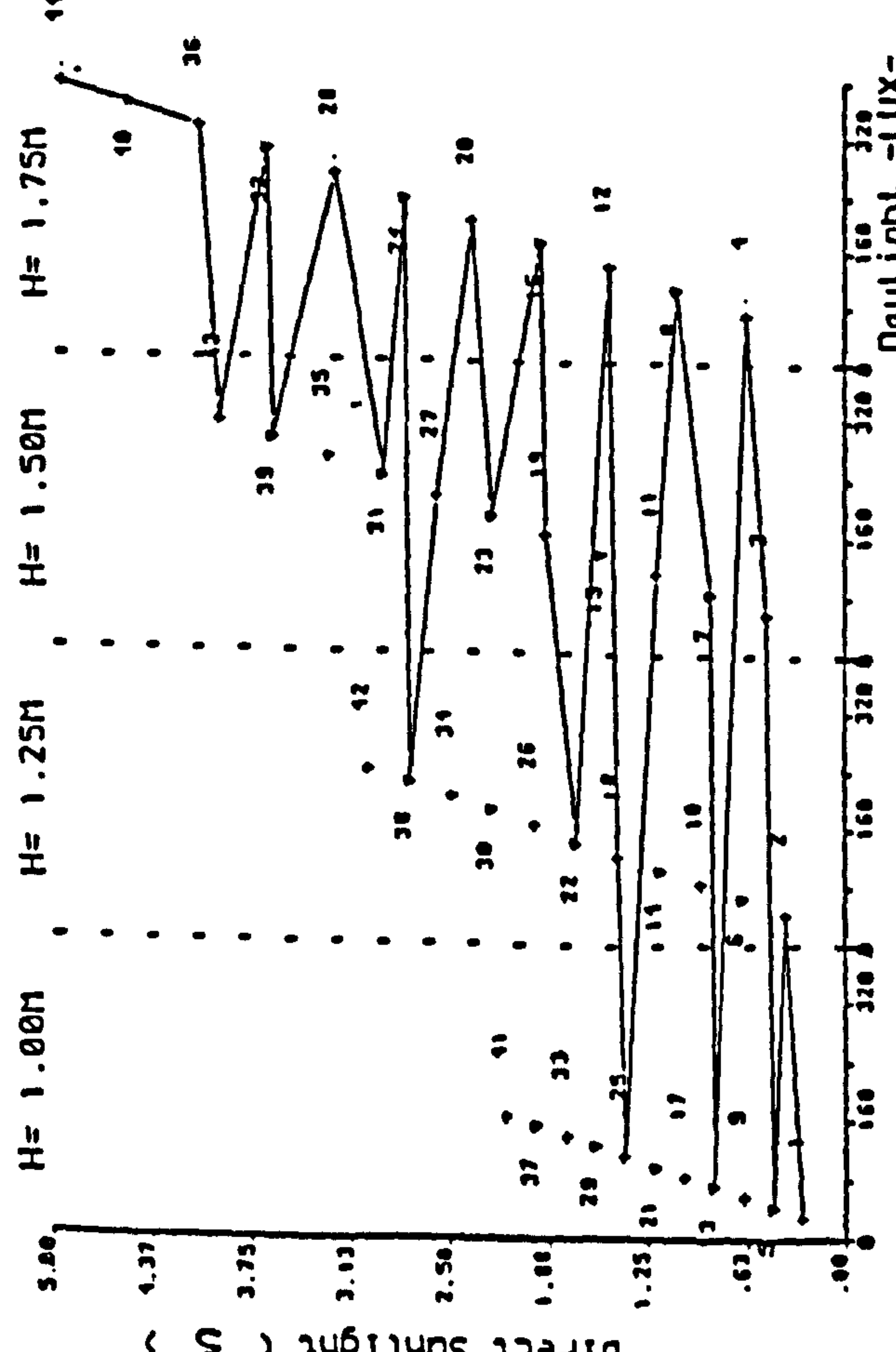
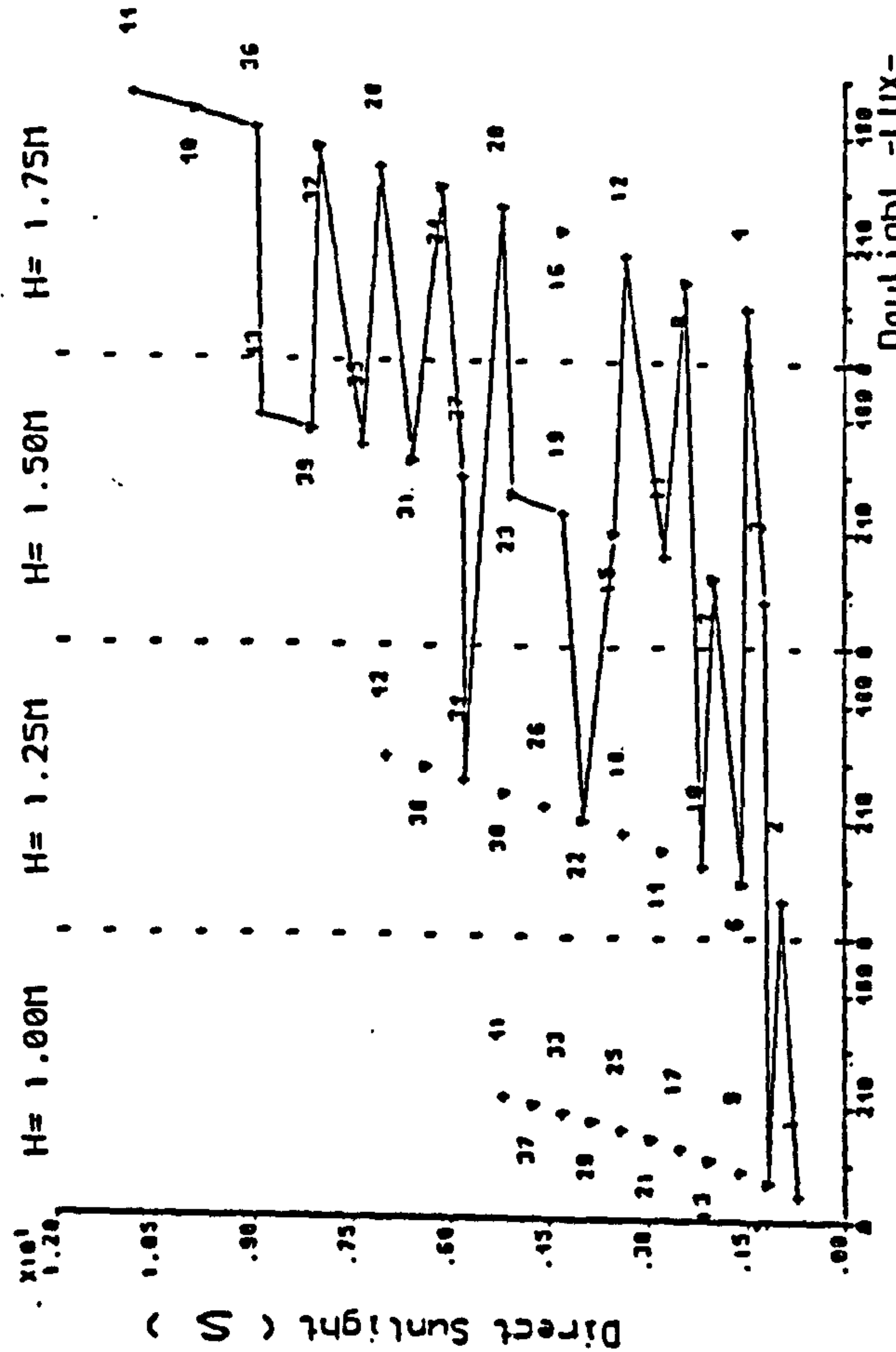






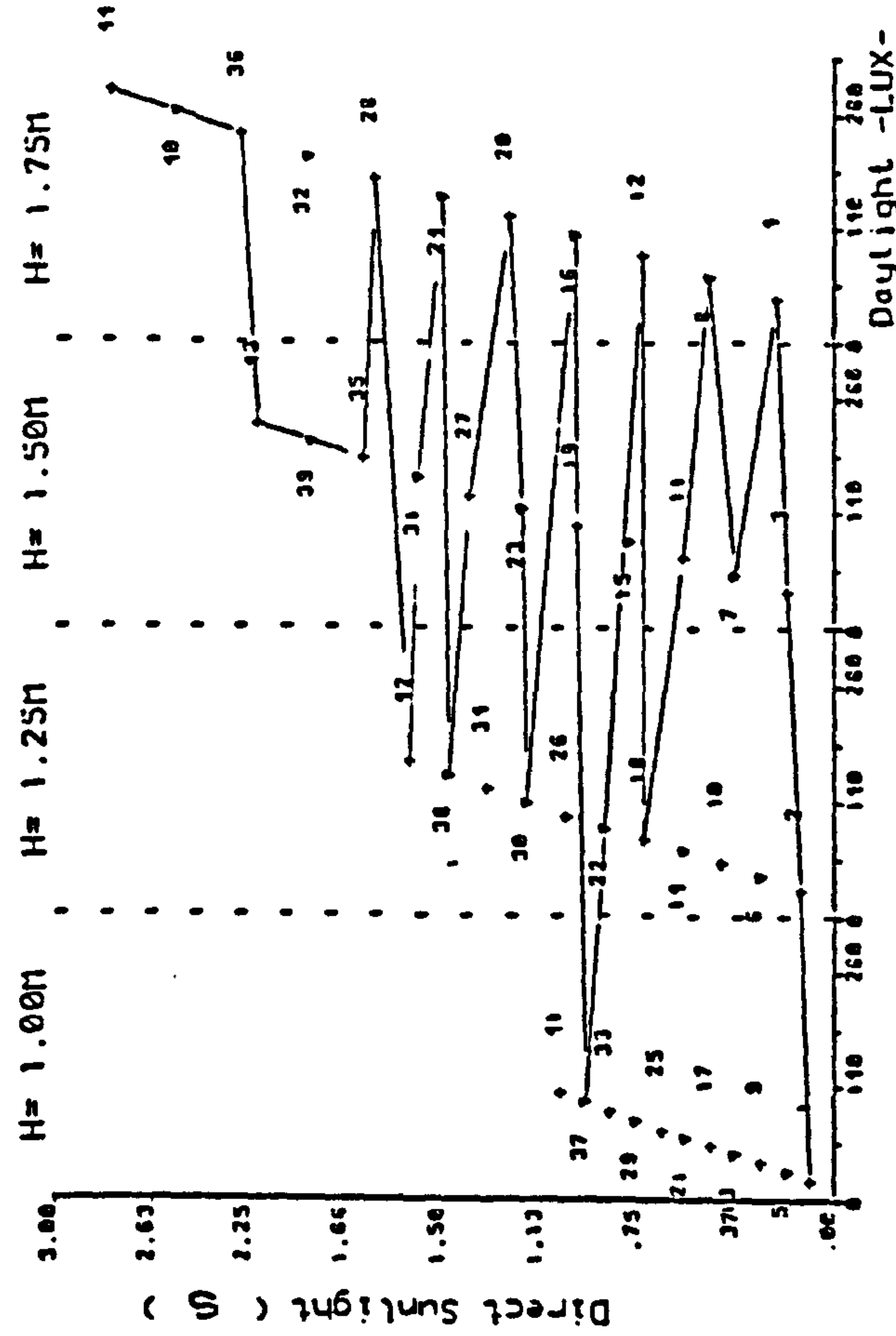
INTERHOUSE DISTANCE - 2.0M -

INTERHOUSE DISTANCE - 1.0M -

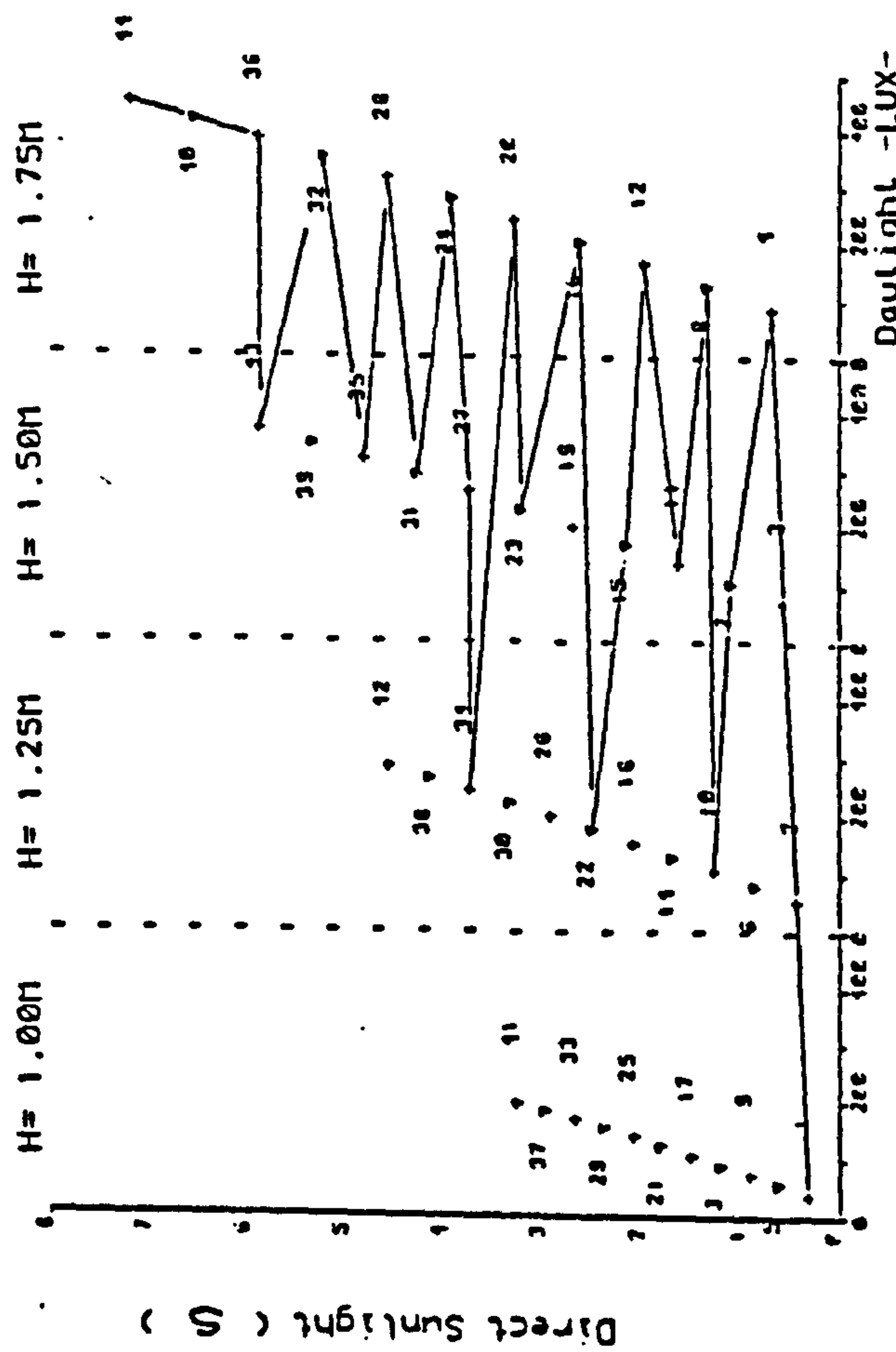


INTERHOUSE DISTANCE - 1.0M -

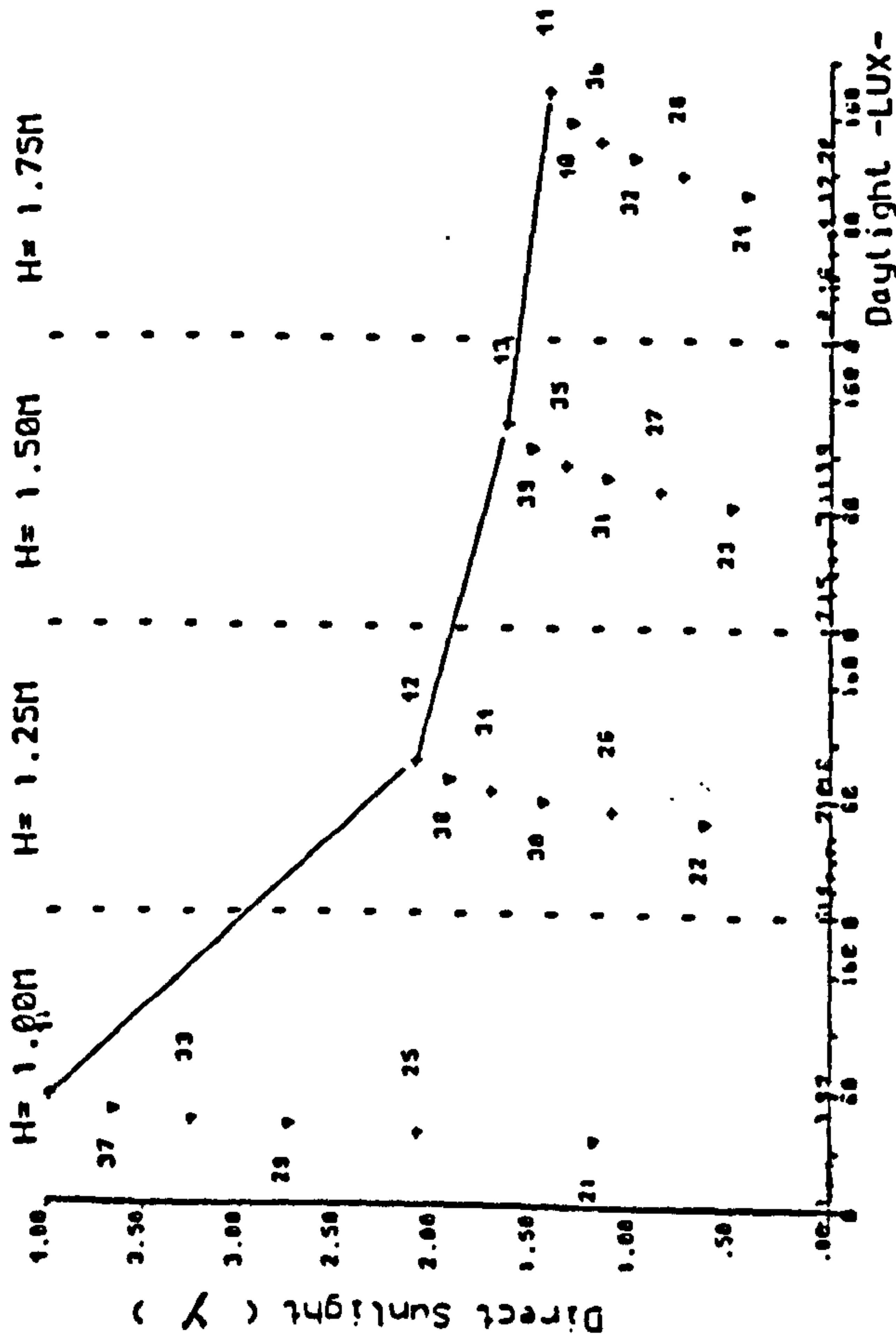
INTERHOUSE DISTANCE - 3.0M -



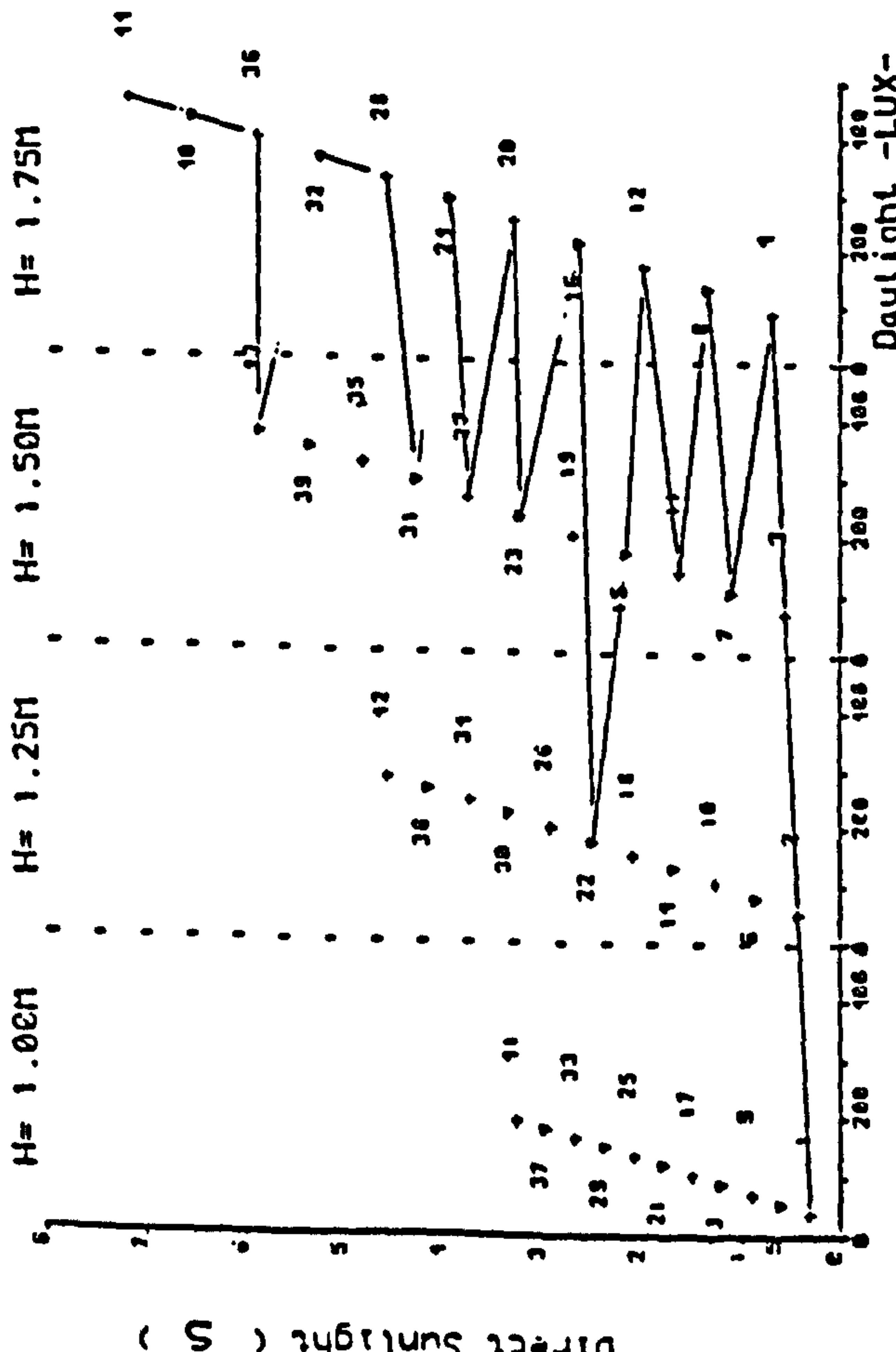
INTERHOUSE DISTANCE - 2.0M -



INTERHOUSE DISTANCE - 1.0M -

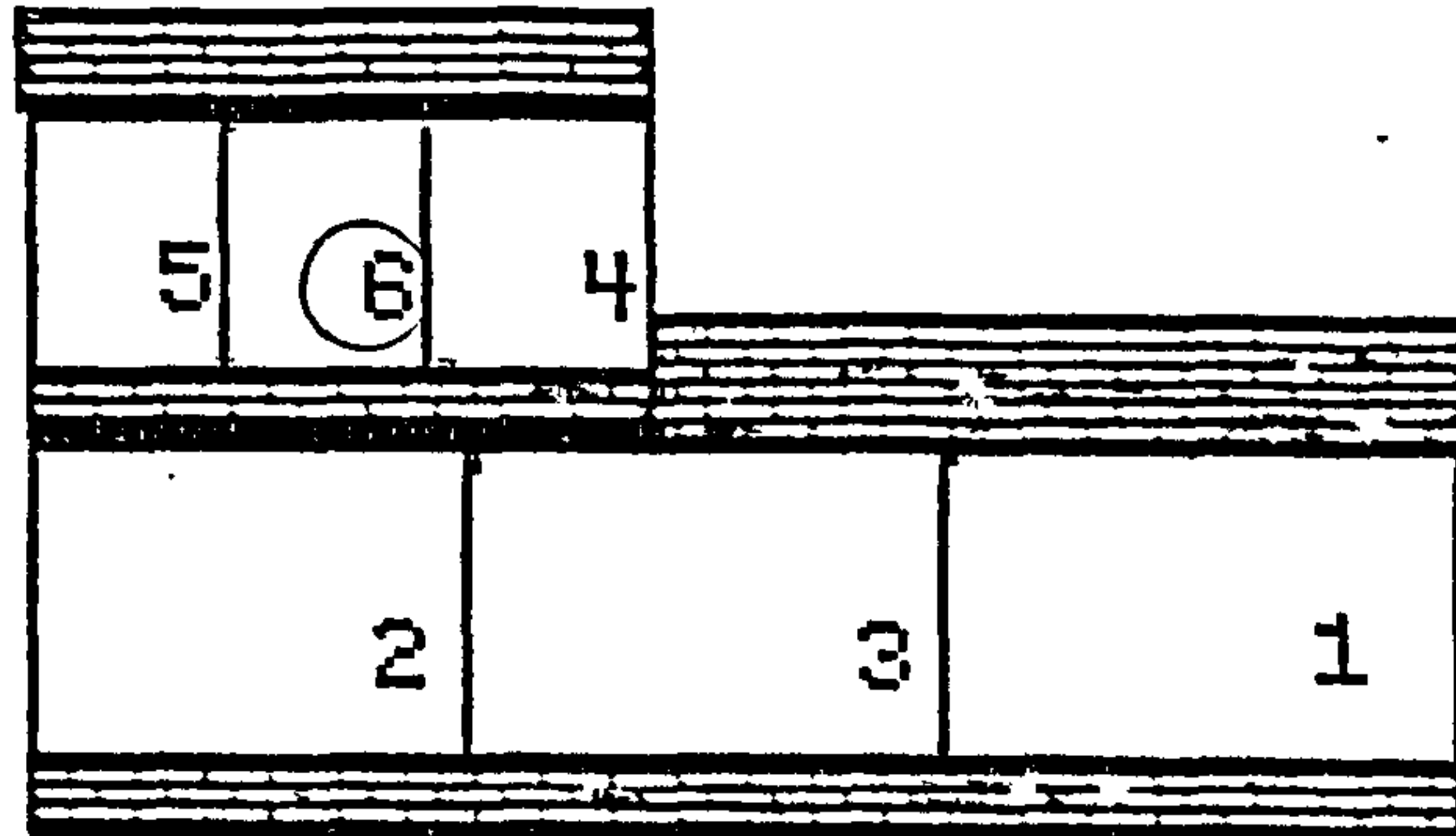


INTERHOUSE DISTANCE - 1.0M -



INTERHOUSE DISTANCE - 3.0M -





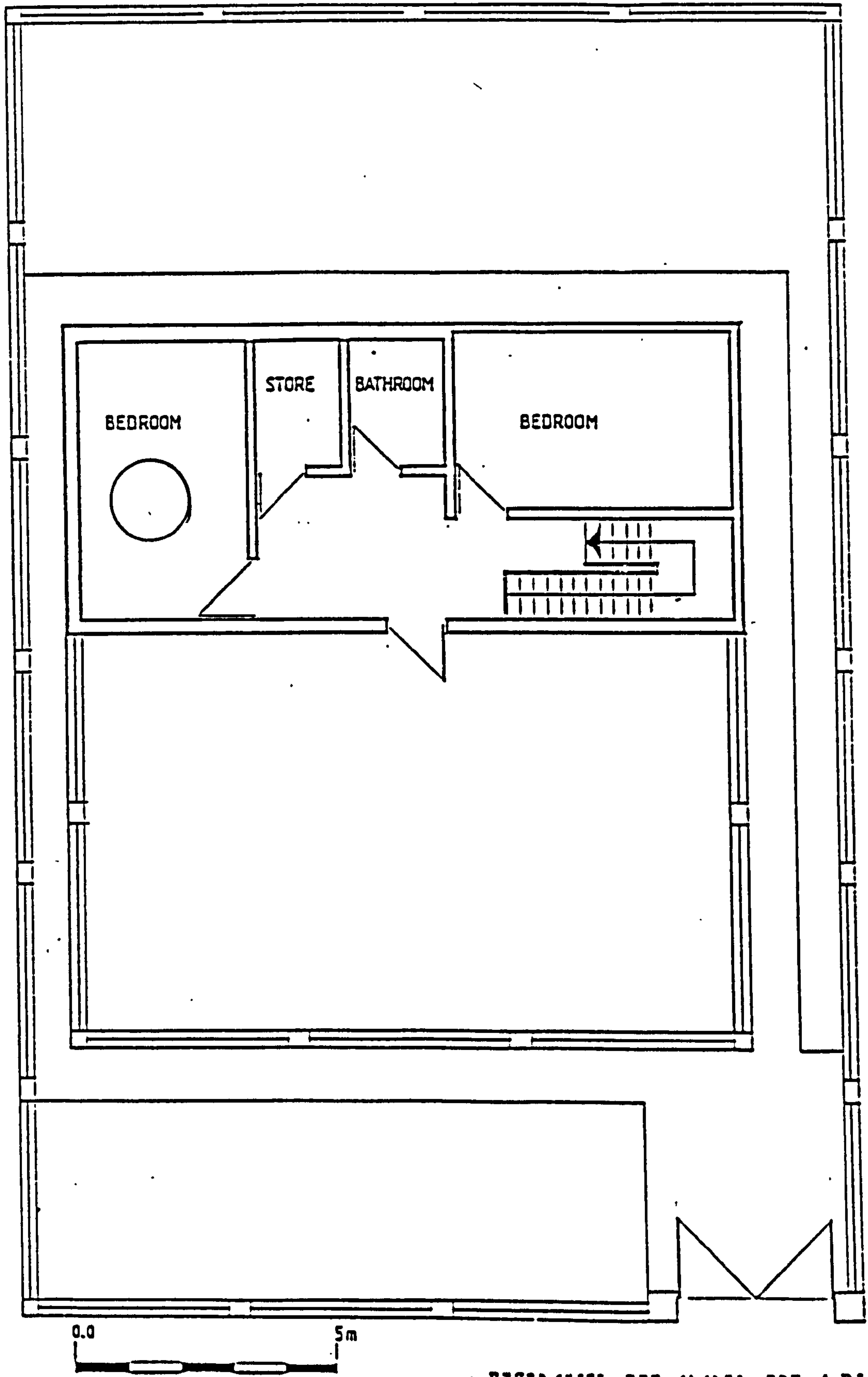
Key diagram showing the location  
of window data .

Side Wall No. 2  
1 1/2 Storey

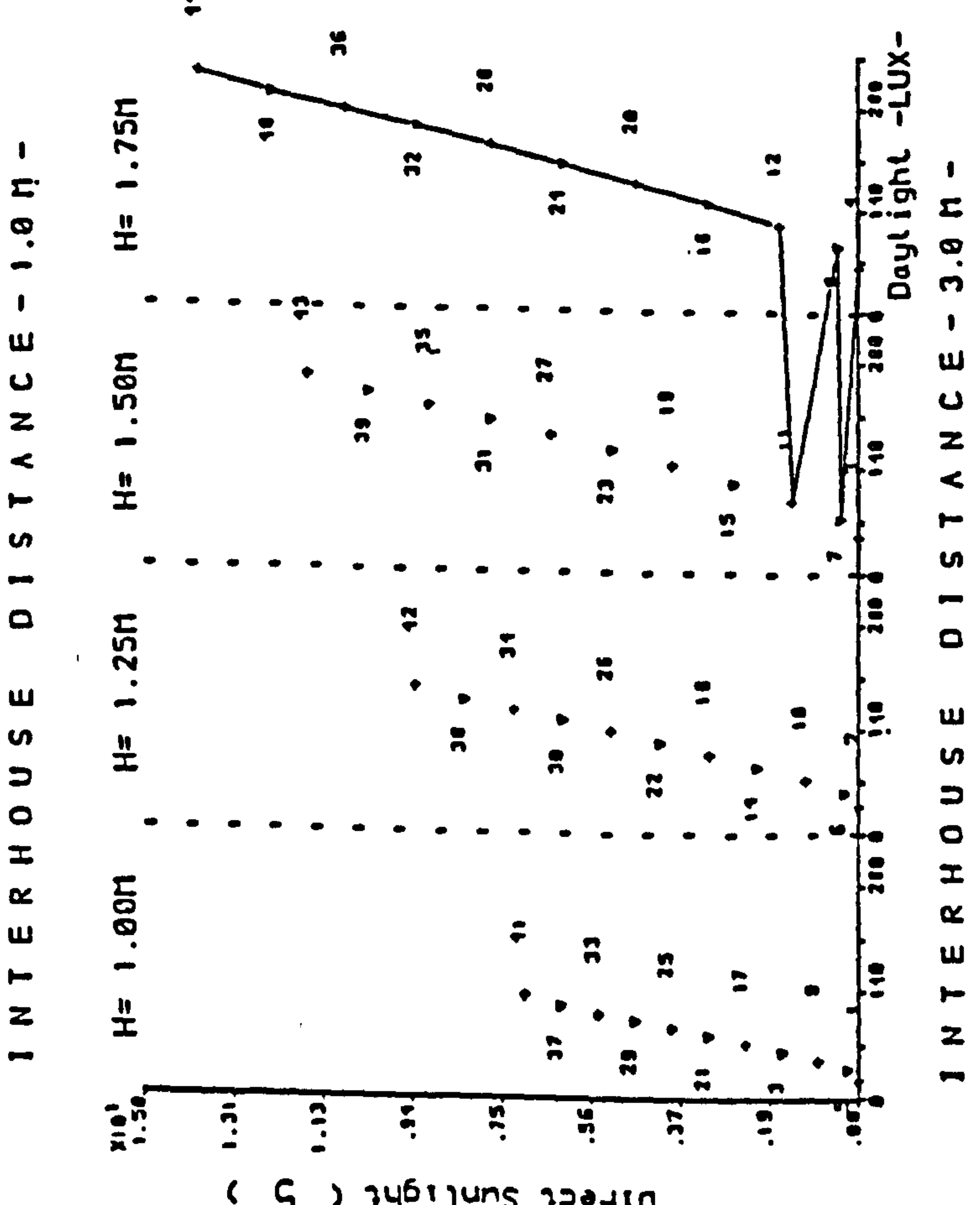
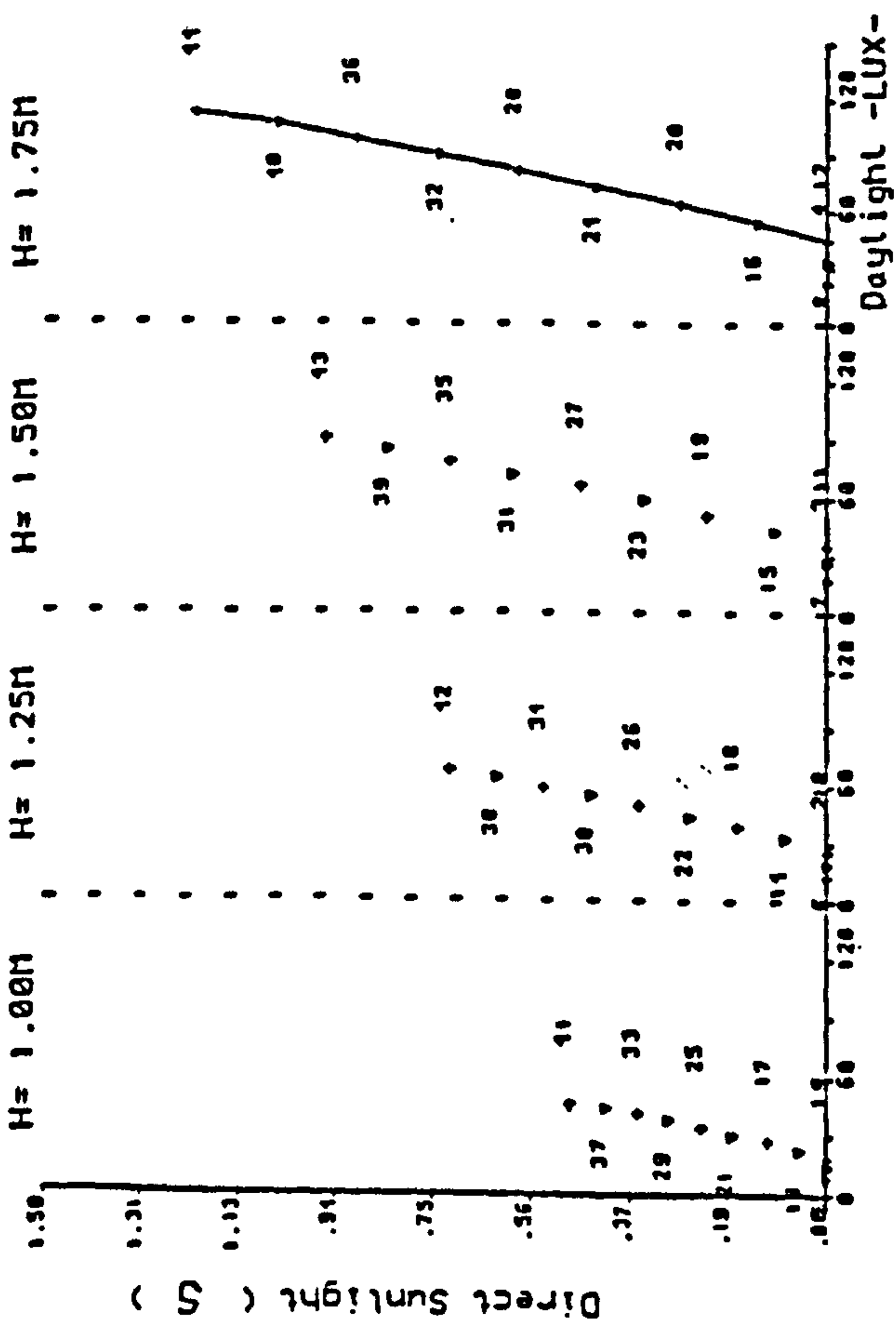
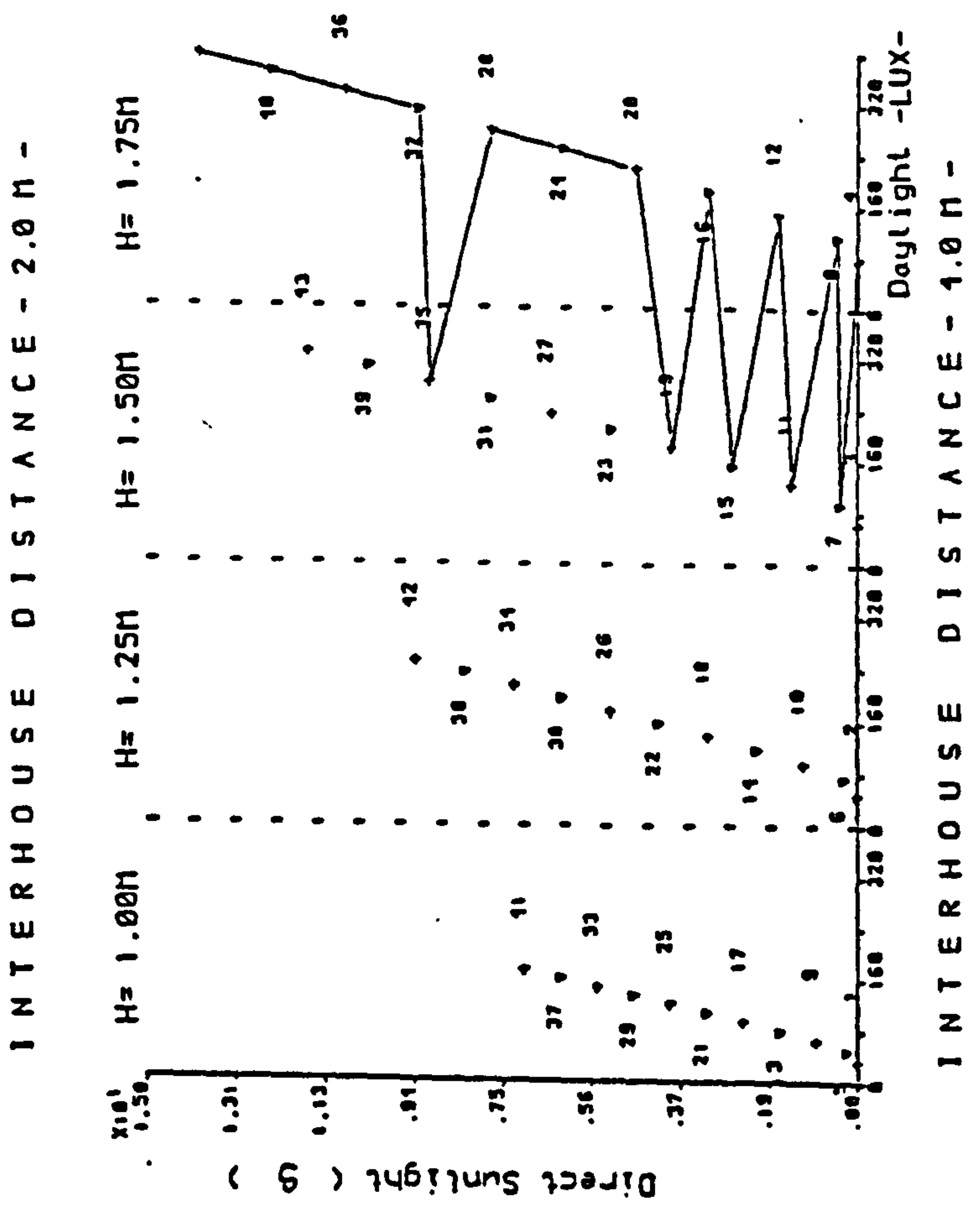
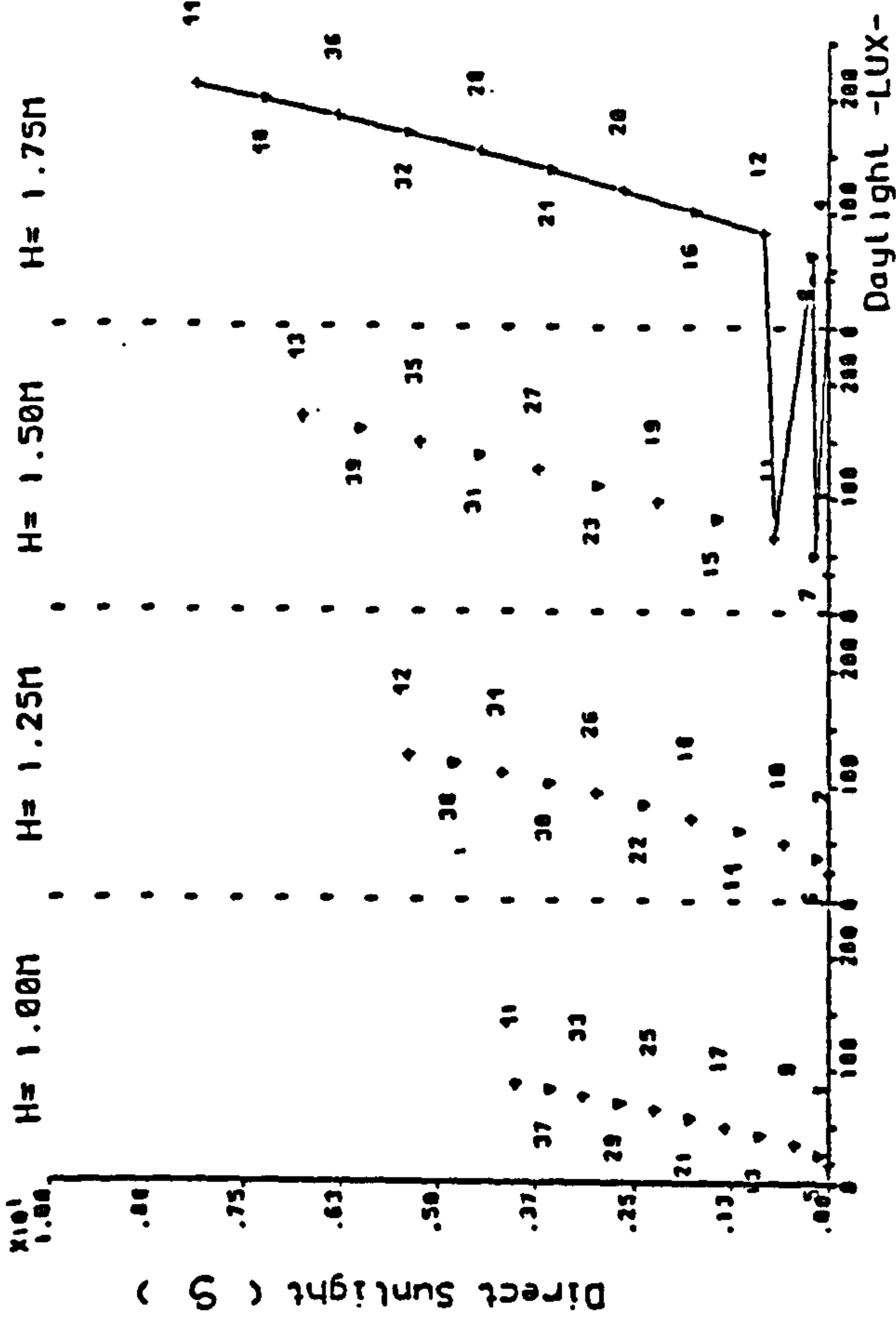
Interhouse Distance  
1, 2, 3 and 4m.

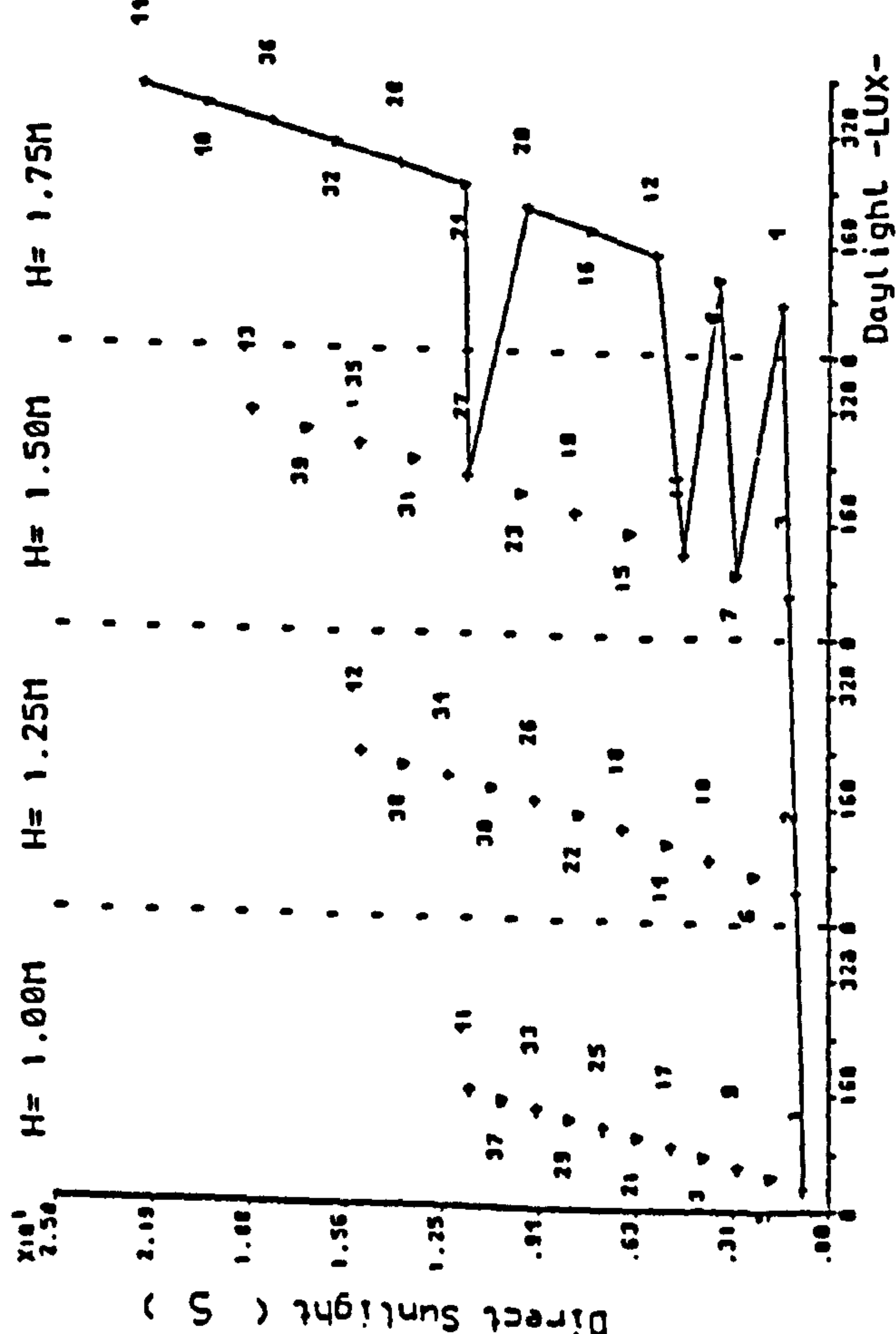
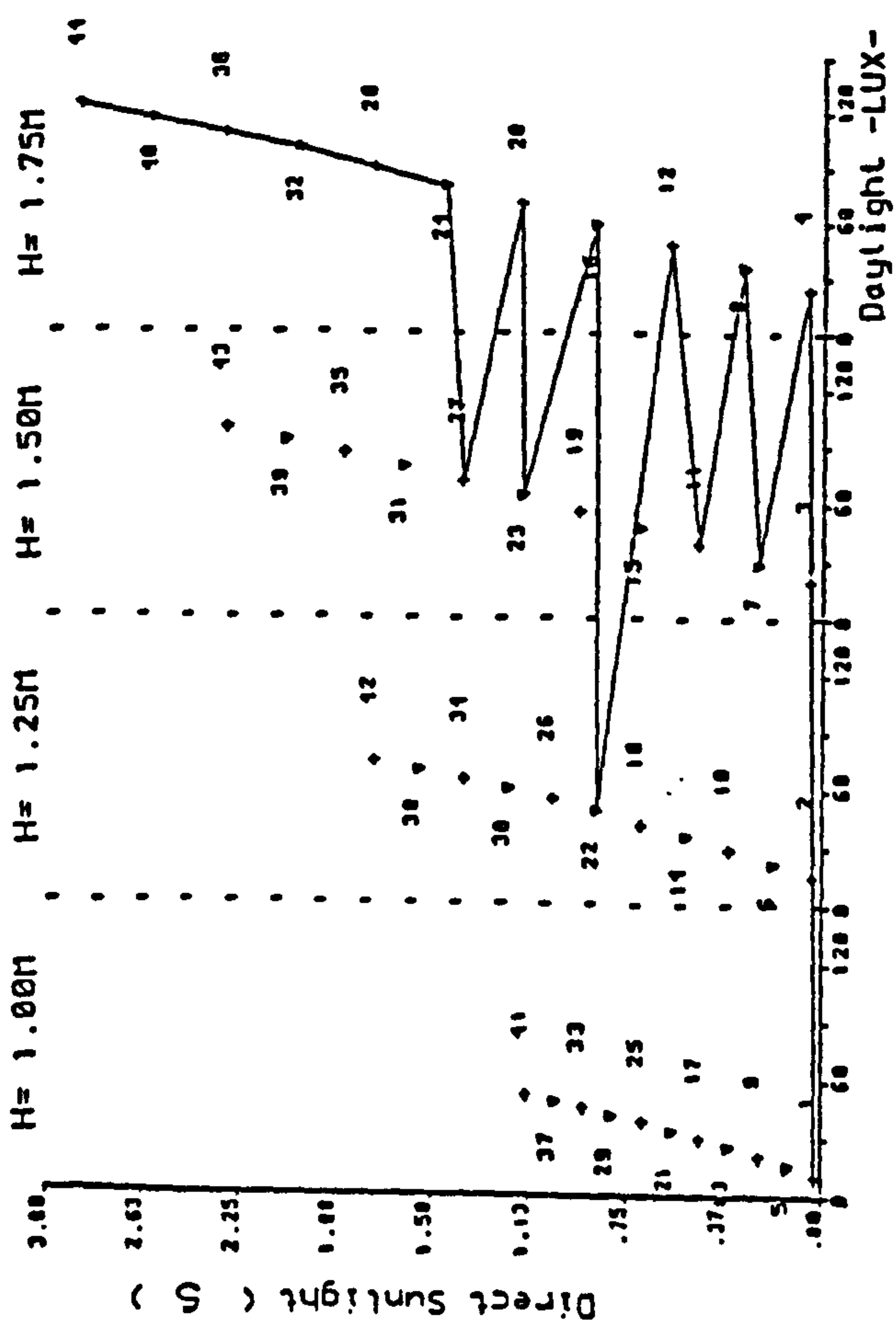
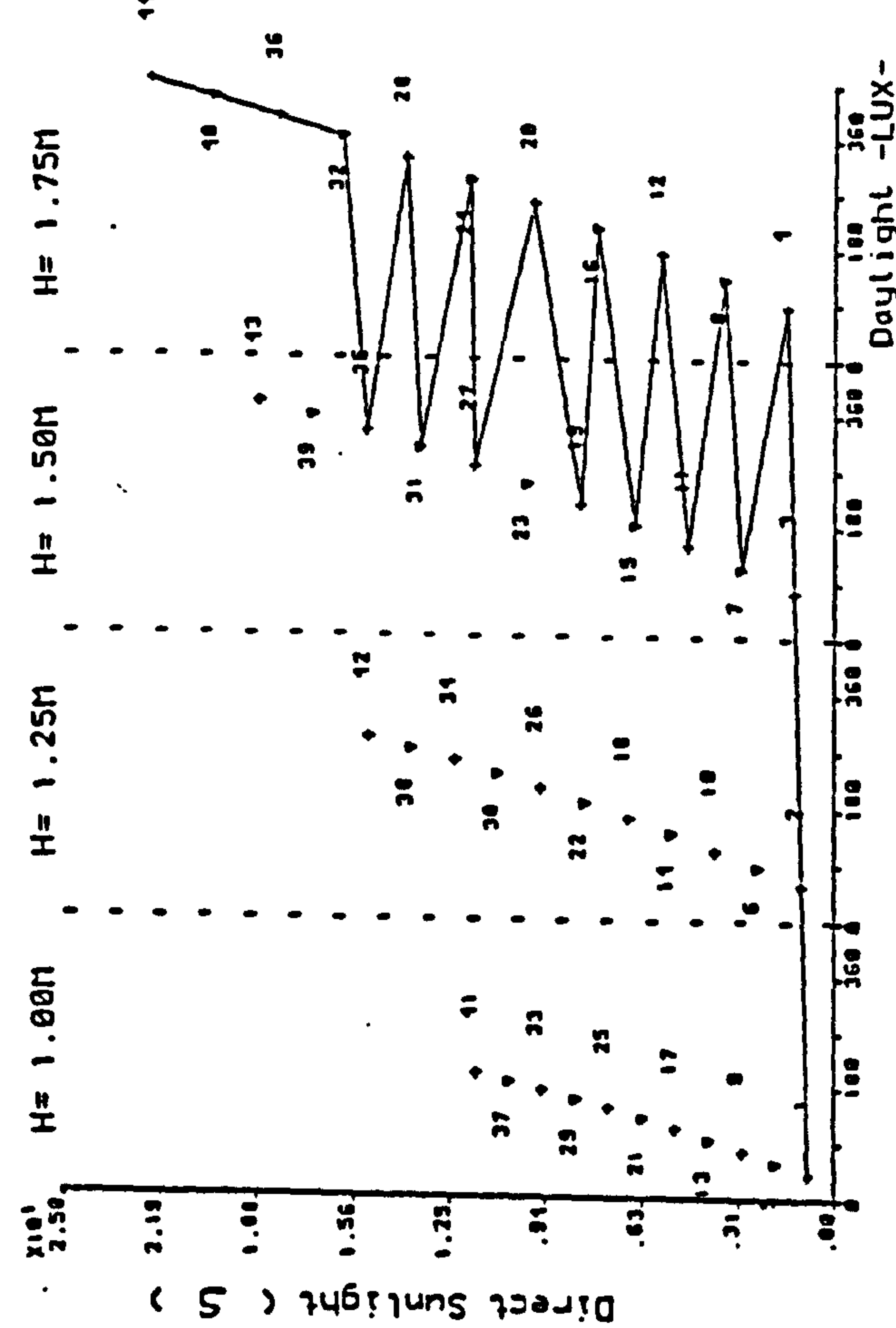
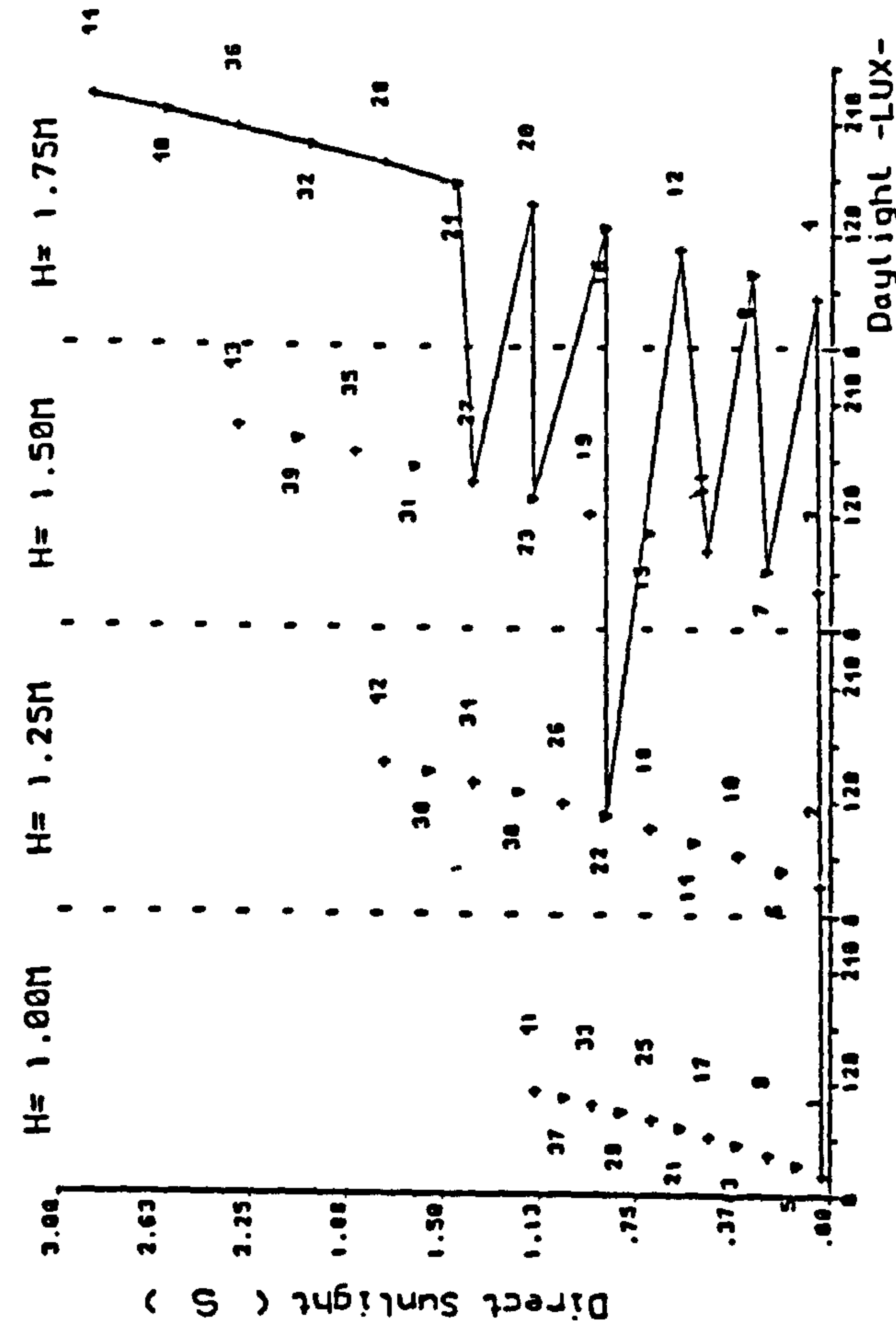
ORIENTATION	PAGE NO.
0.0	1572
22.5	1573
45	1574
67.5	1575
90	1576
112.5	1577
135	1578
157.5	1579
180	1580
202.5	1581
225	1582
247.5	1583
270	1584
292.5	1585
315	1586
337.5	1587





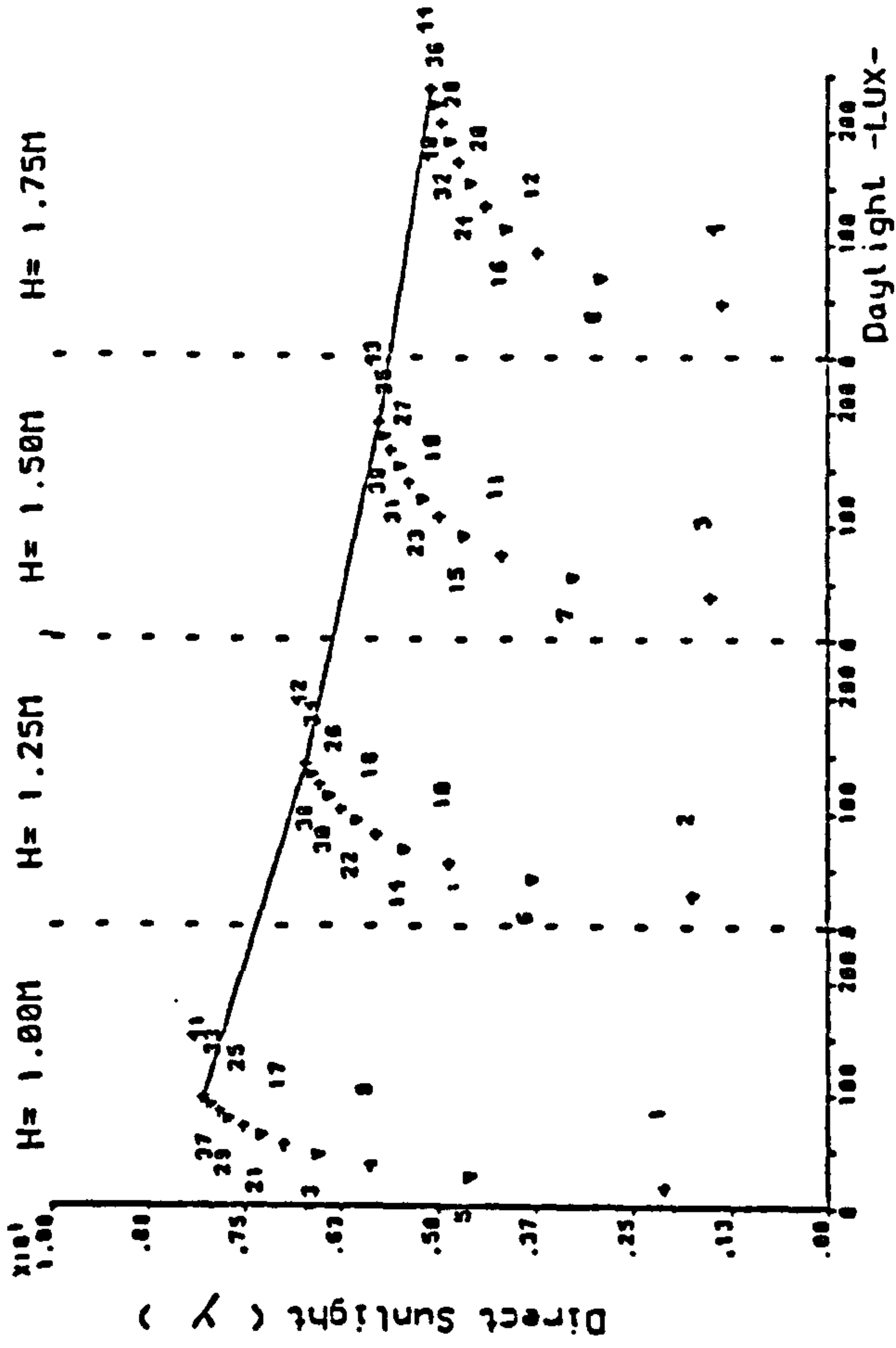
FIRST FLOOR PLAN



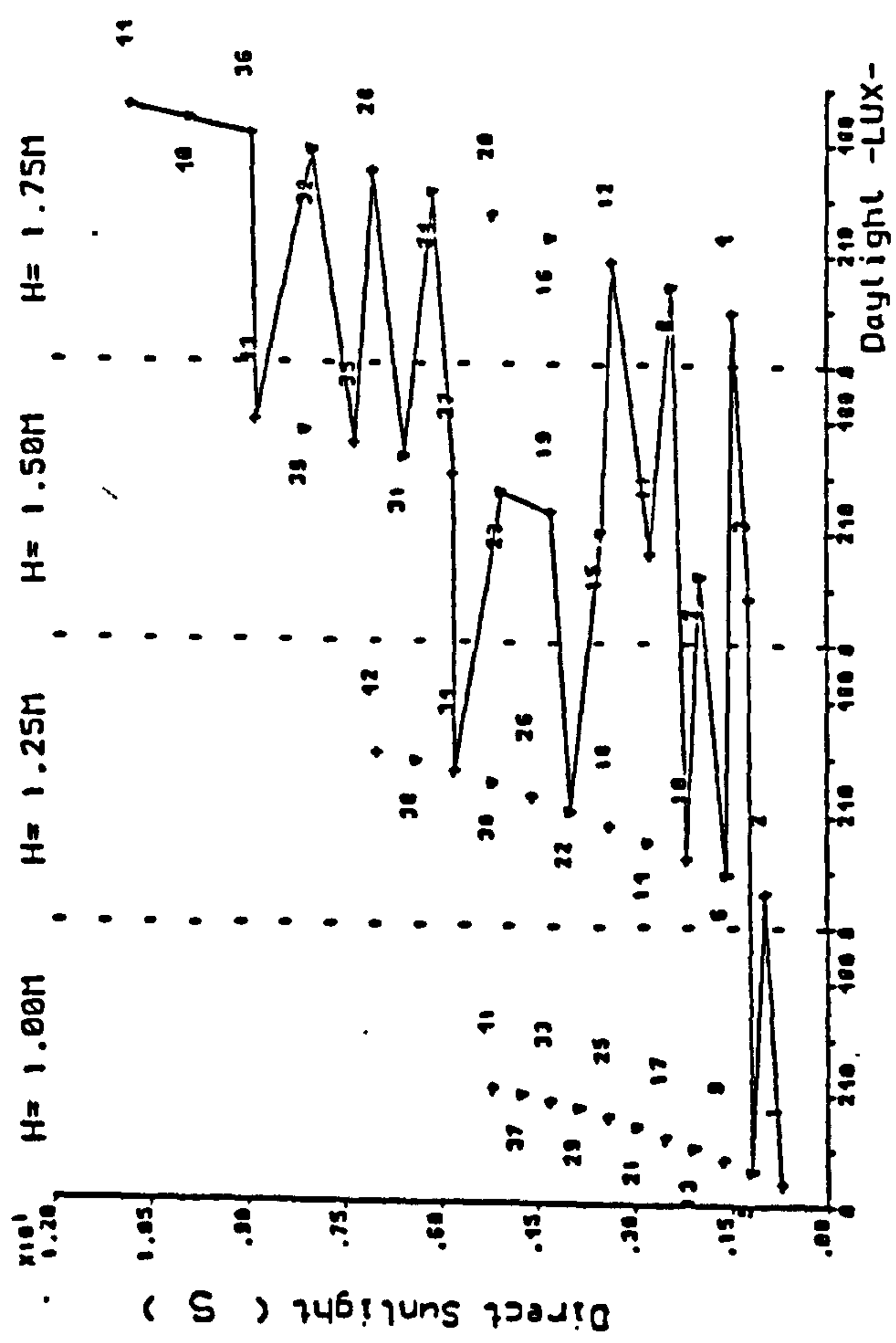




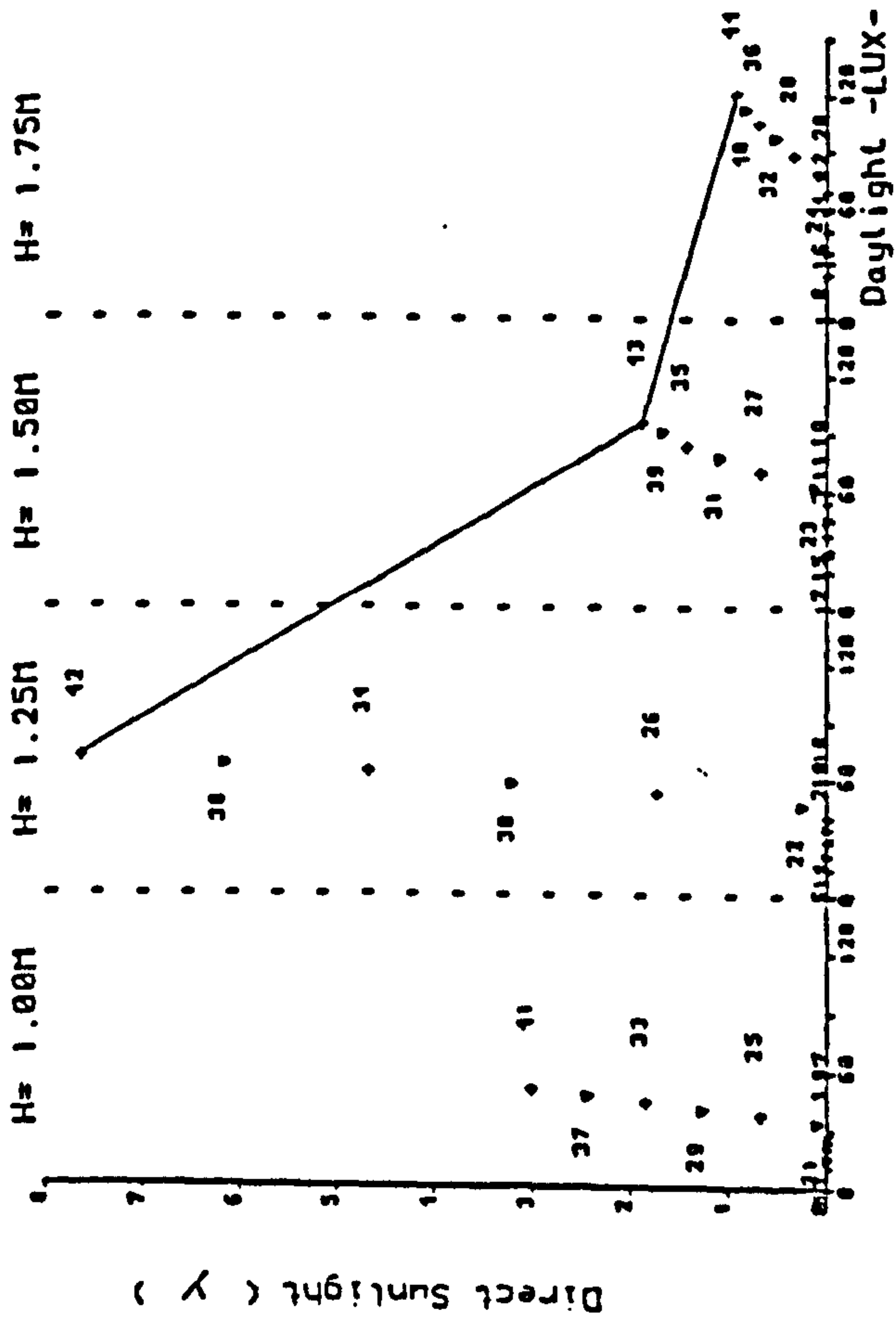




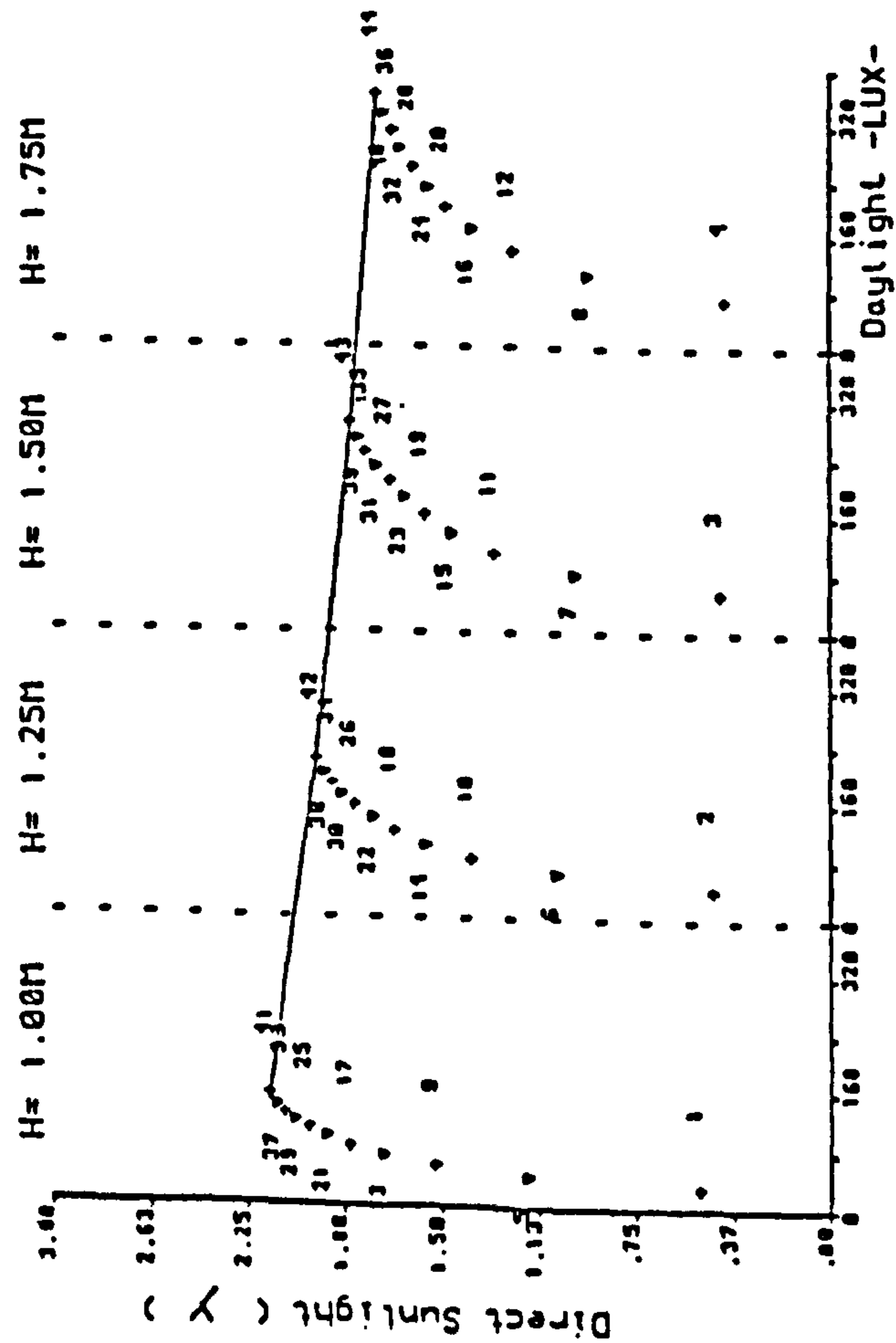
INTERHOUSE DISTANCE - 2.0 M -



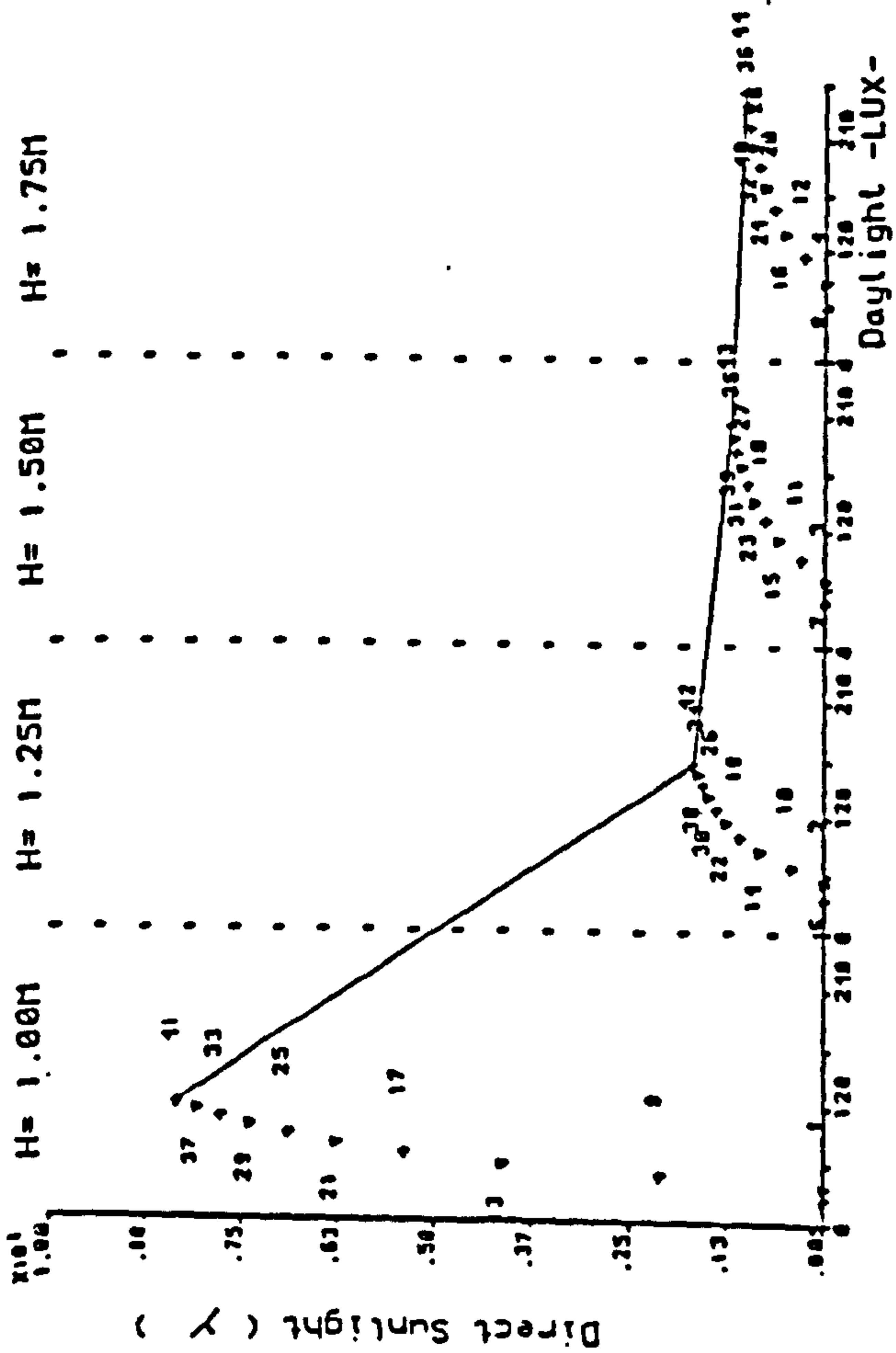
INTERHOUSE DISTANCE - 1.0 M -



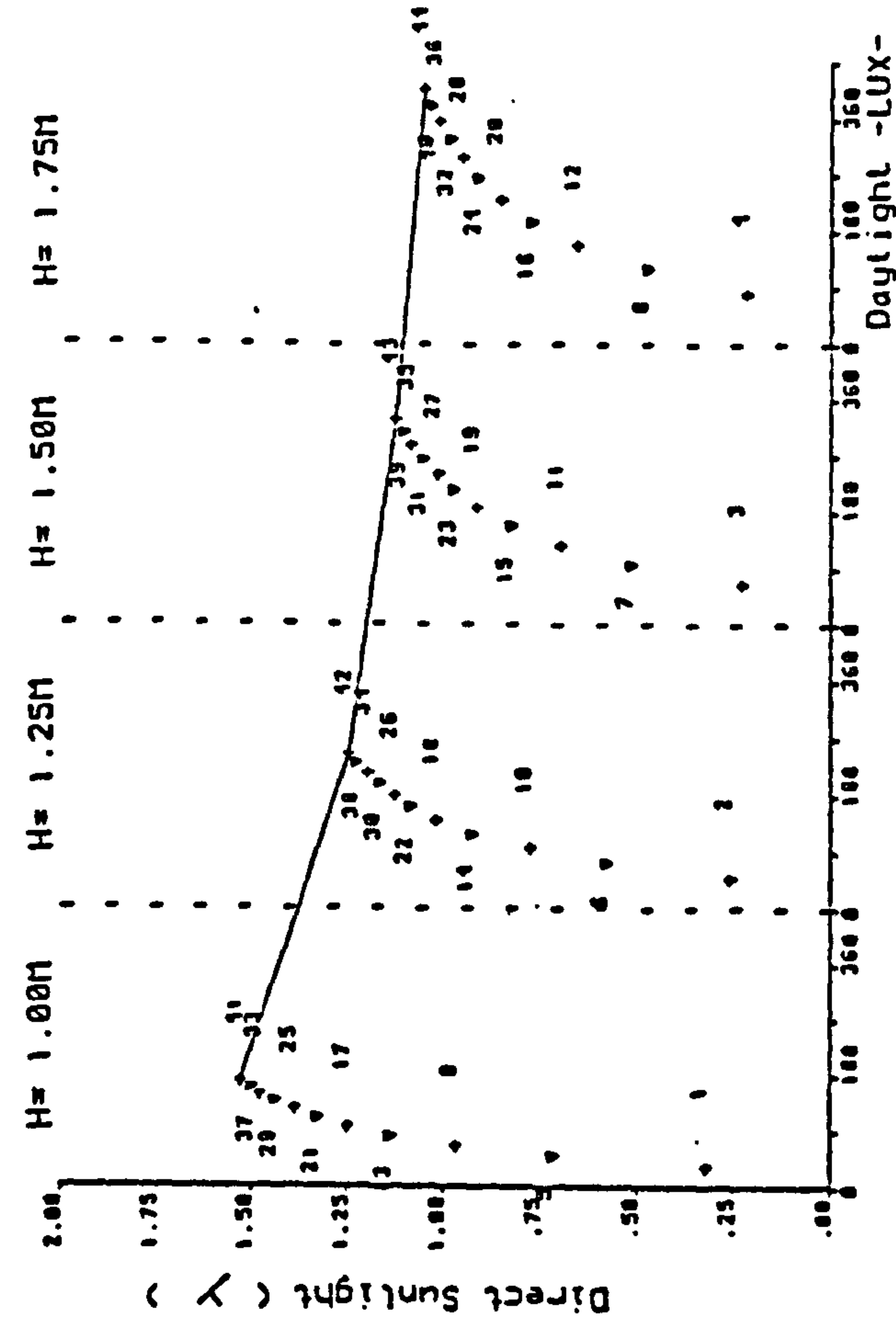
INTERHOUSE DISTANCE - 1.0 M -



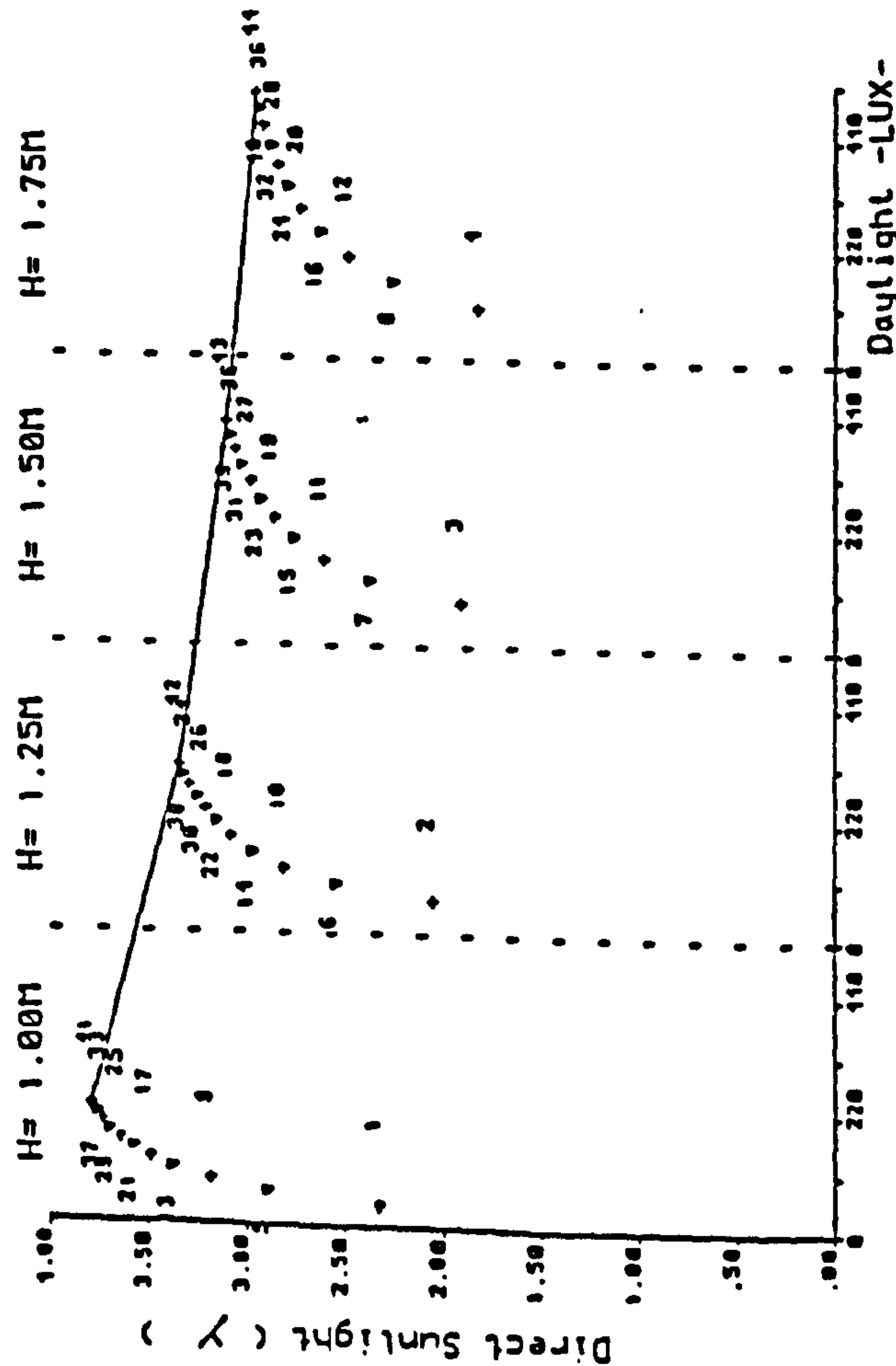
INTERHOUSE DISTANCE - 3.0 M -



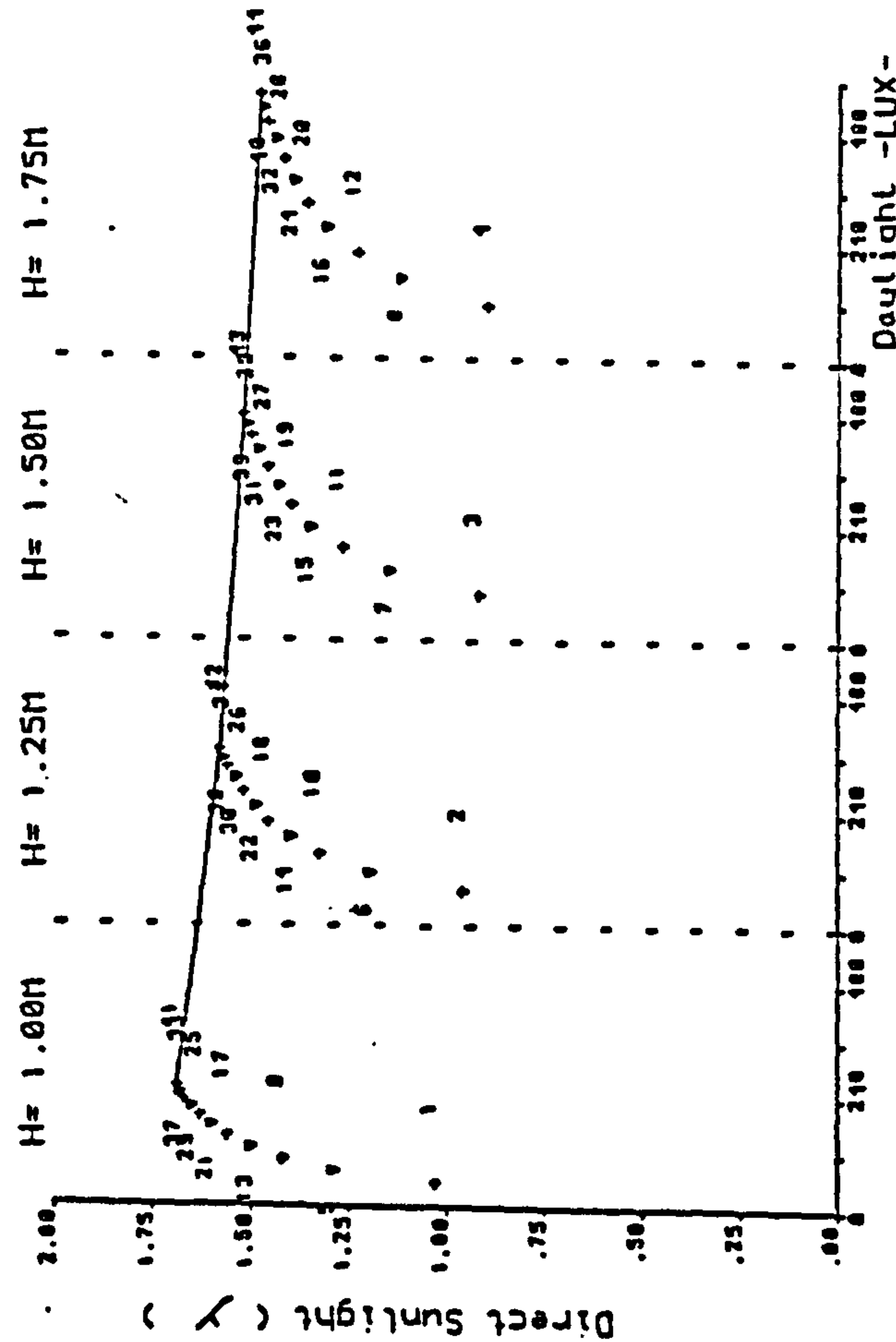
INTERHOUSE DISTANCE - 1.0 M -



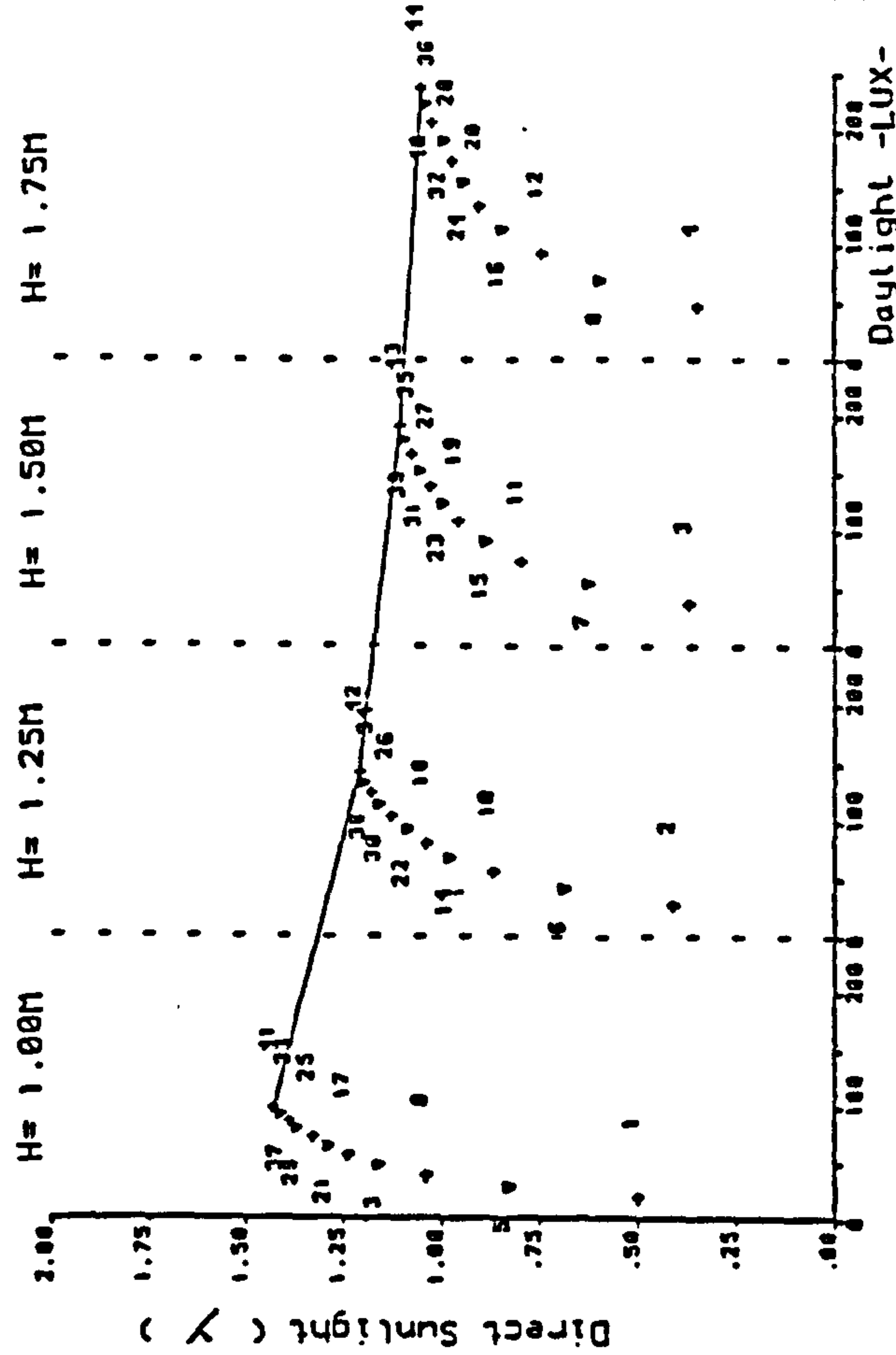
INTERHOUSE DISTANCE - 2.0 M -



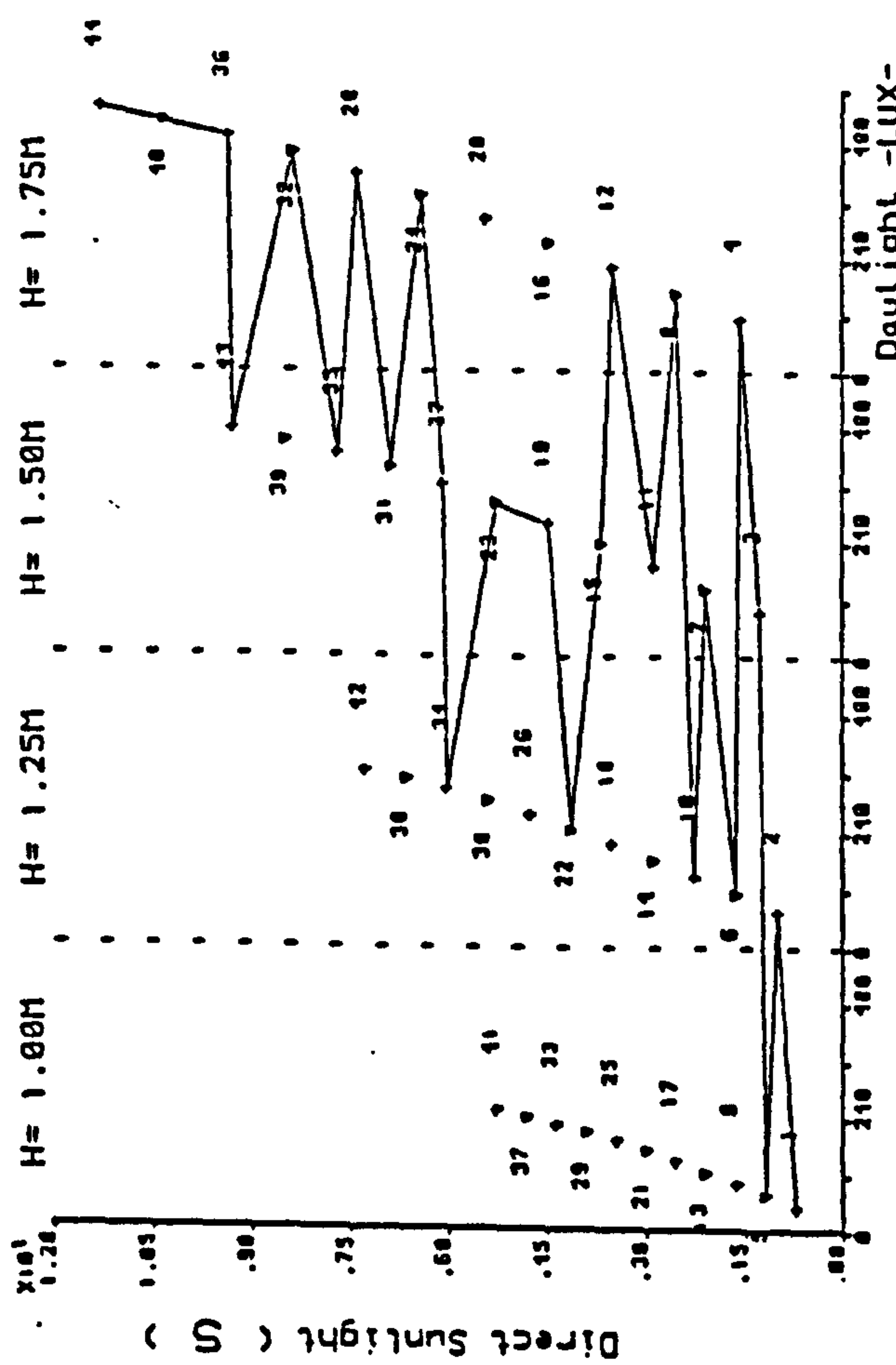
INTERHOUSE DISTANCE - 3.0 M -



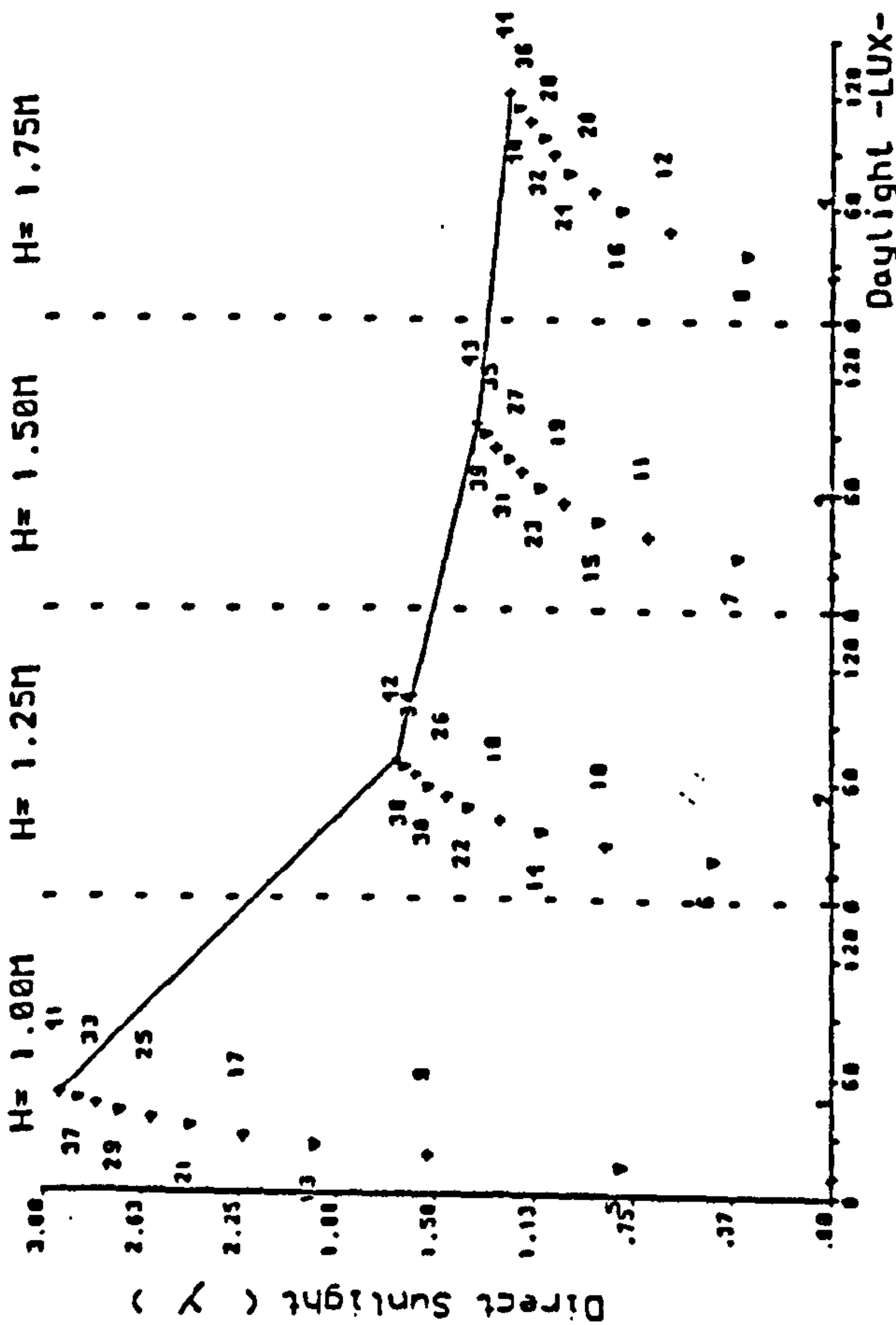
INTERHOUSE DISTANCE - 4.0 M -



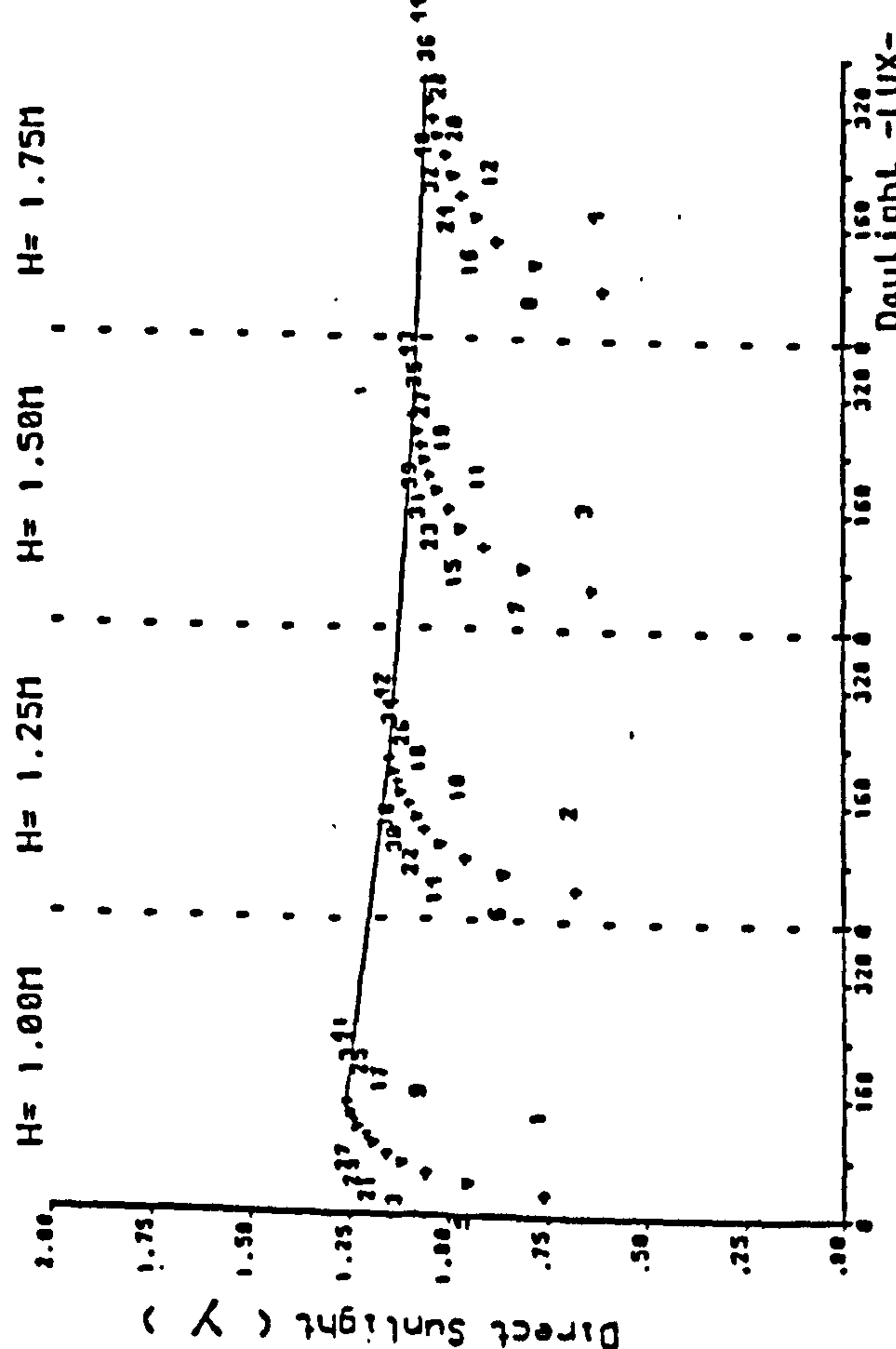
INTERHOUSE DISTANCE - 2.0 M -



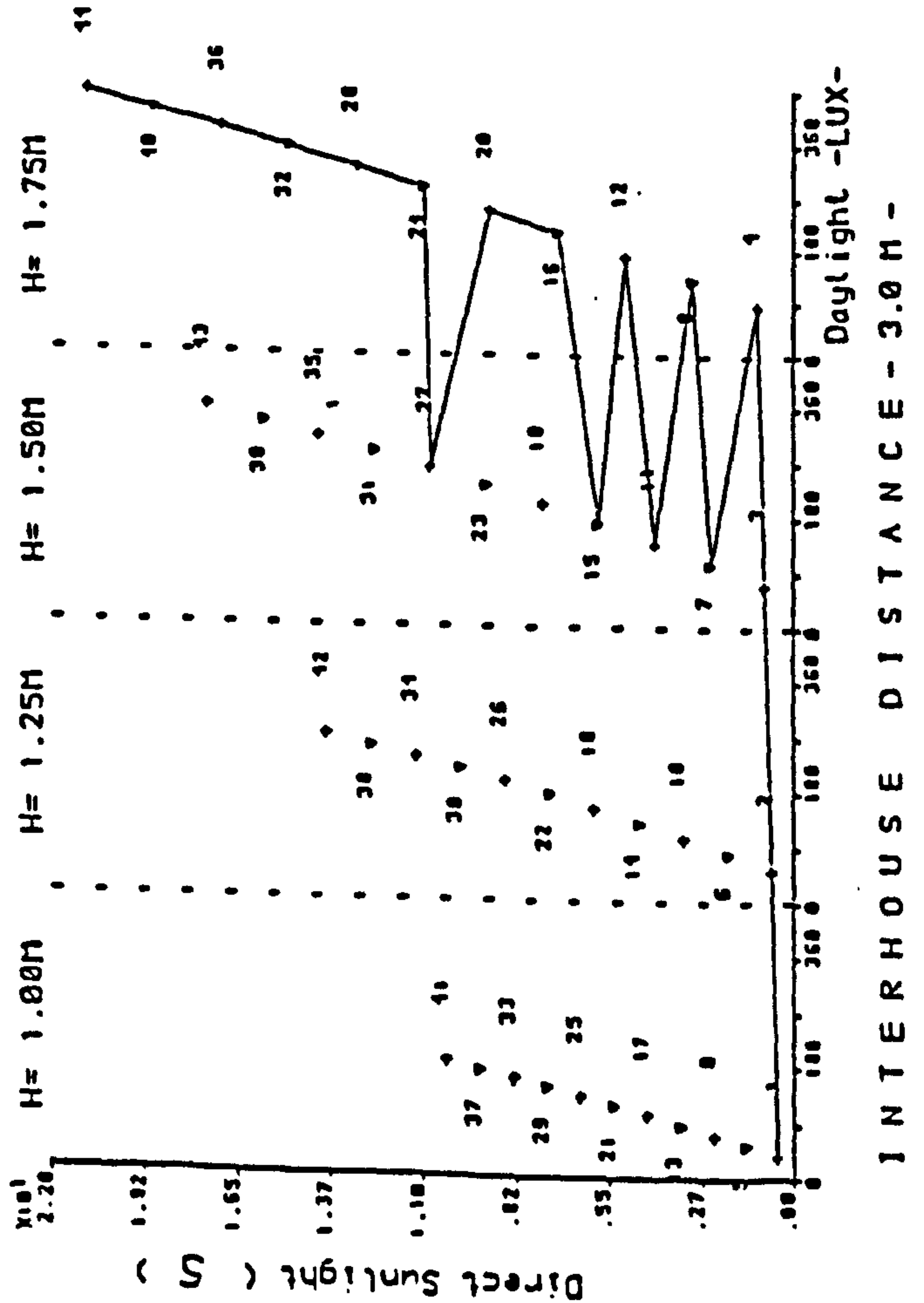
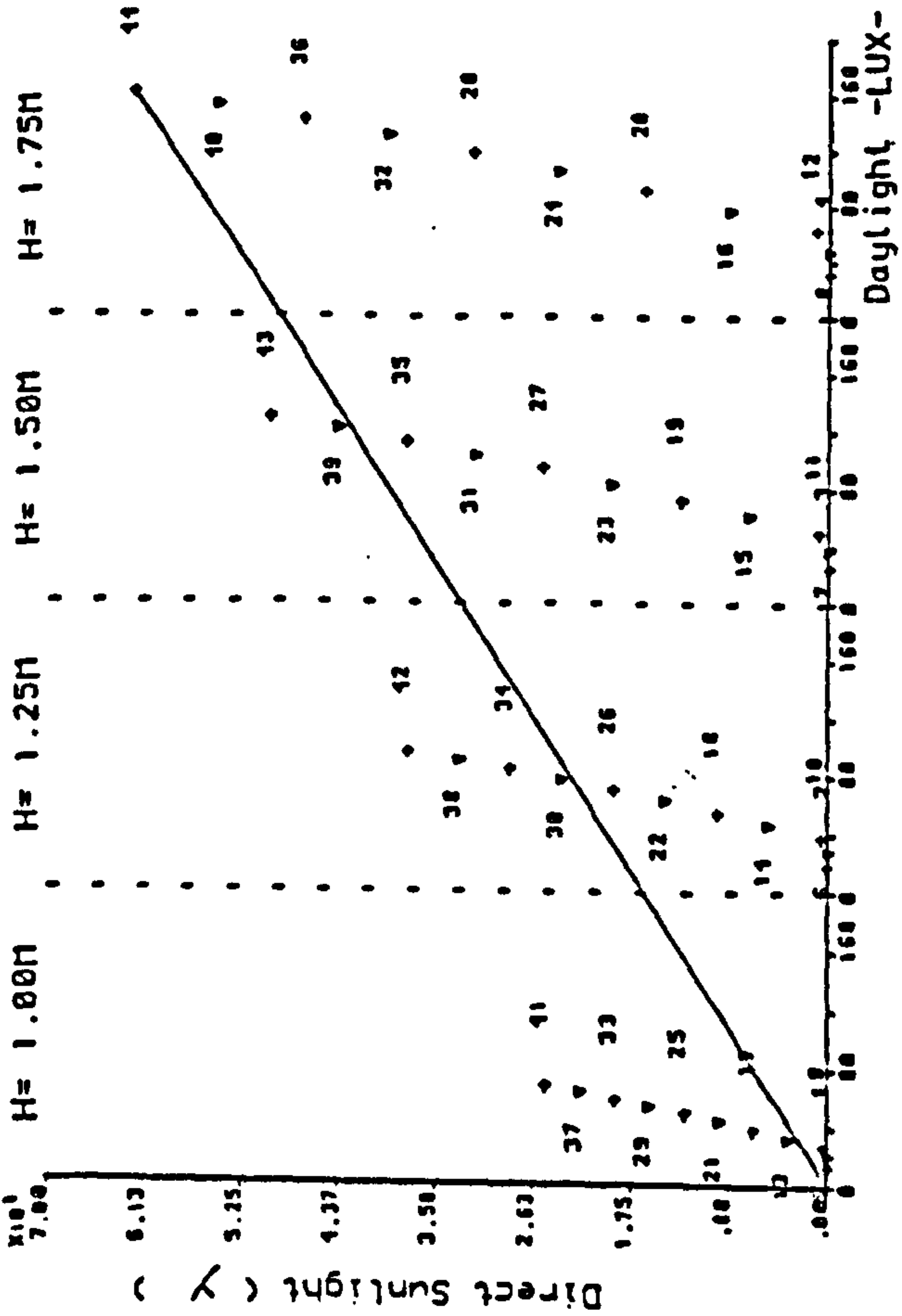
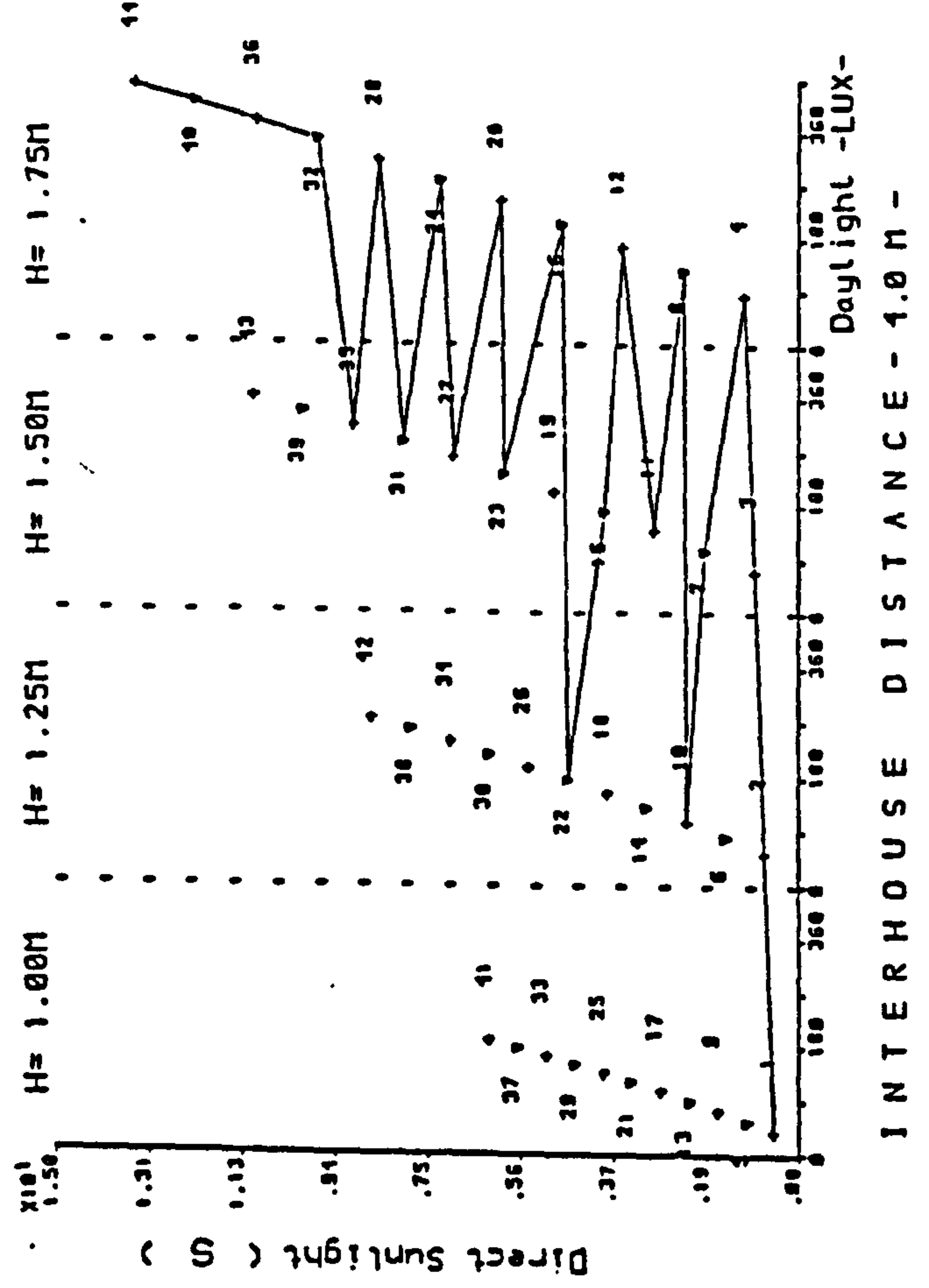
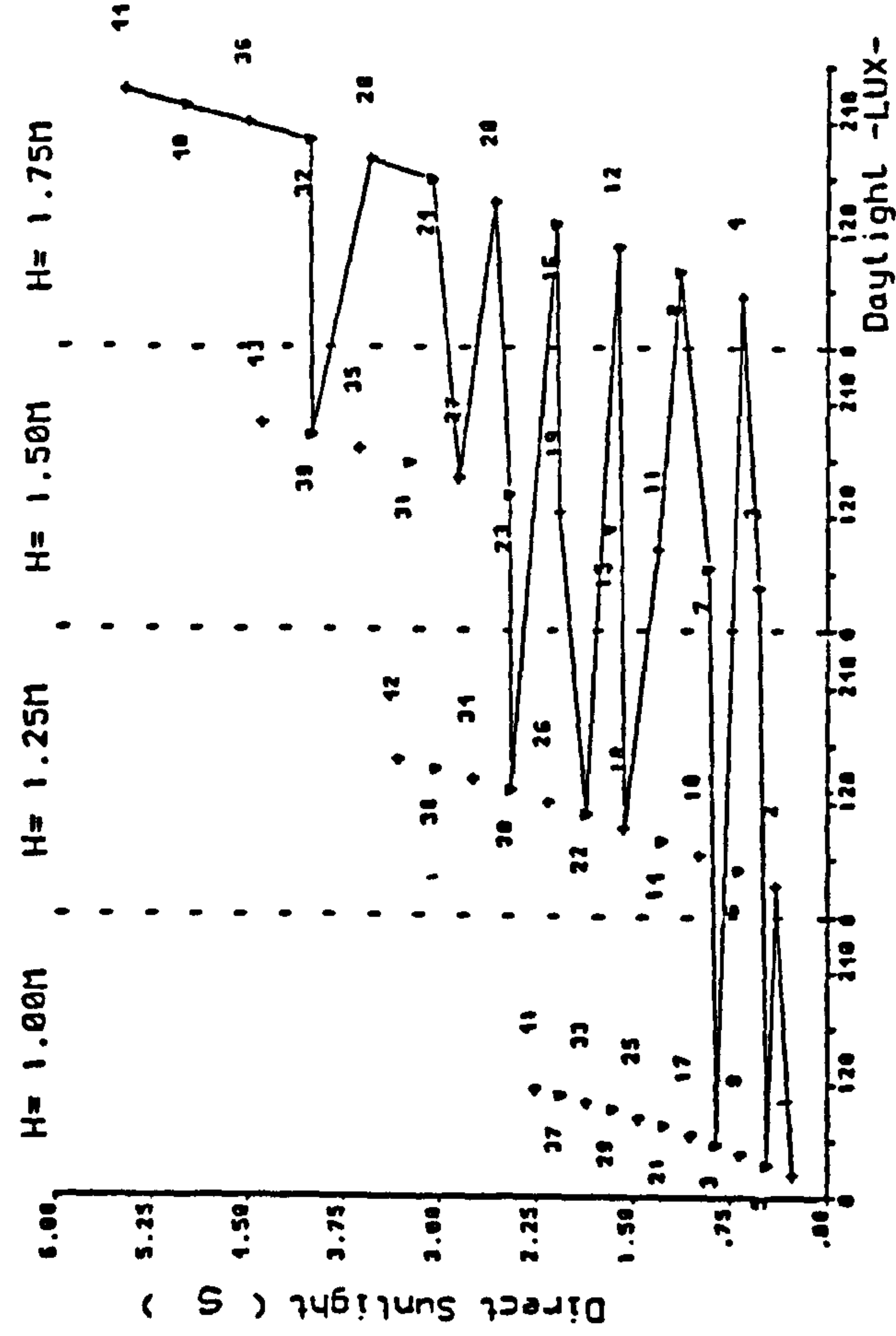
INTERHOUSE DISTANCE - 1.0 M -



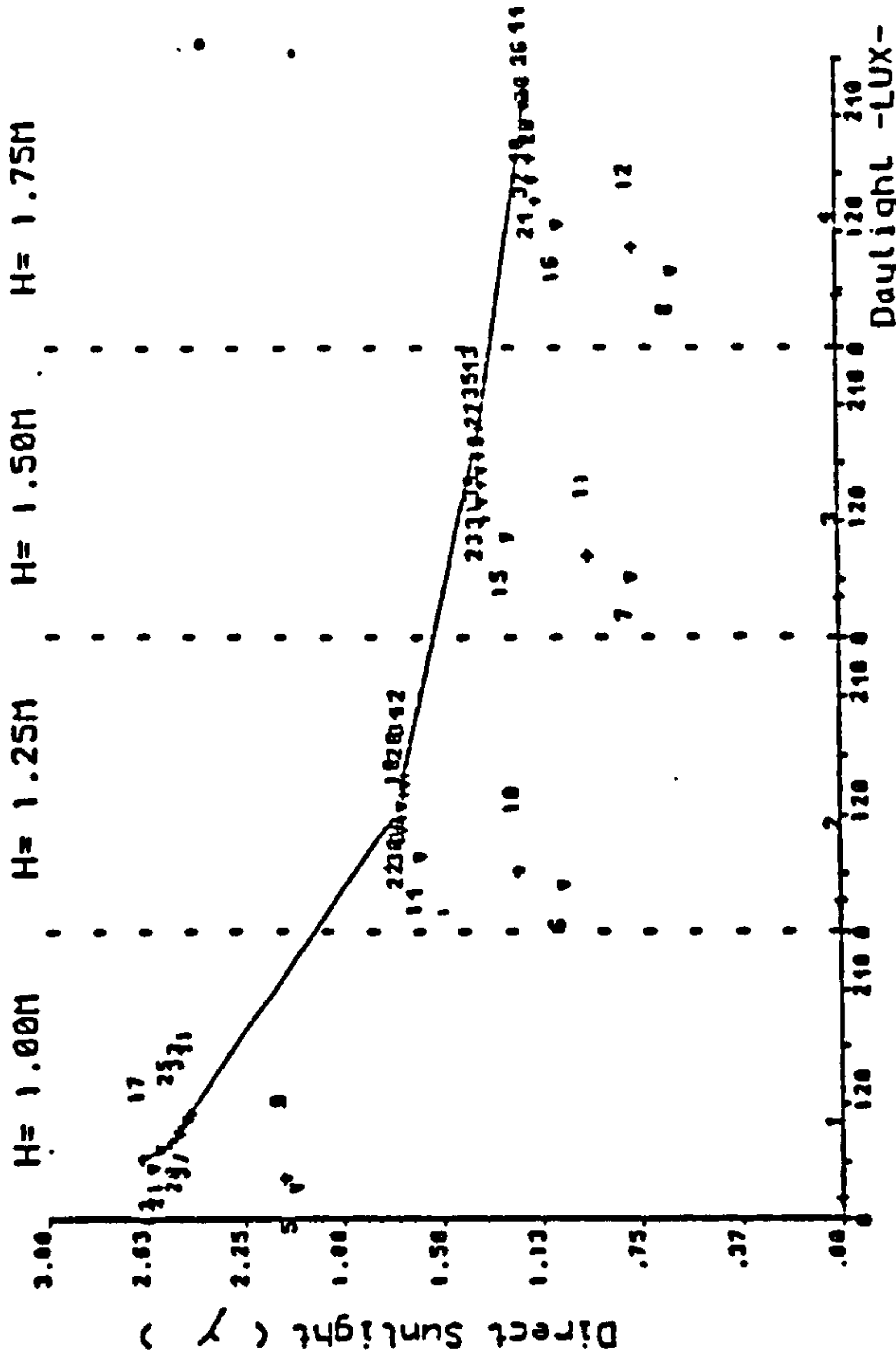
INTERHOUSE DISTANCE - 1.0 M -



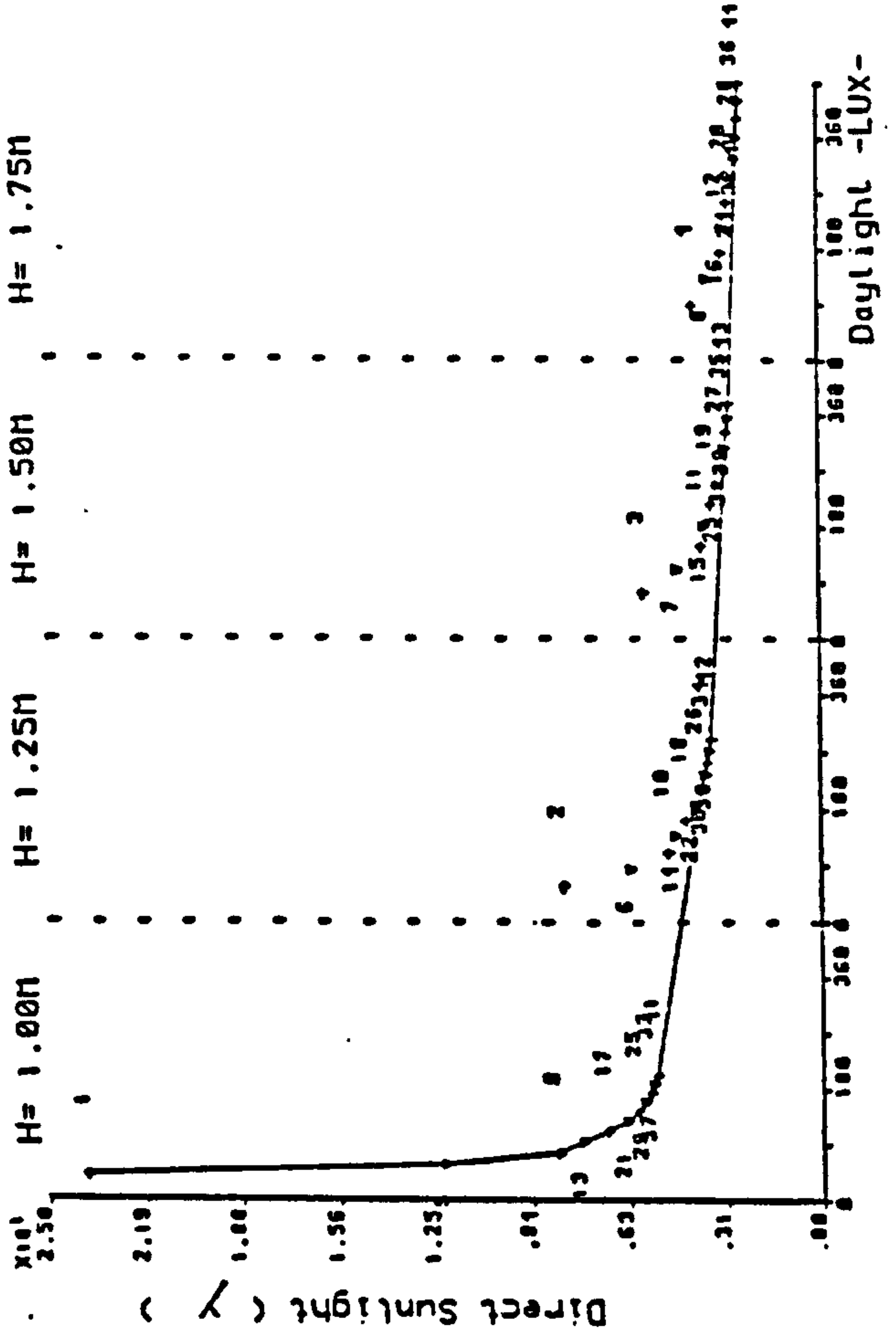
INTERHOUSE DISTANCE - 3.0 M -



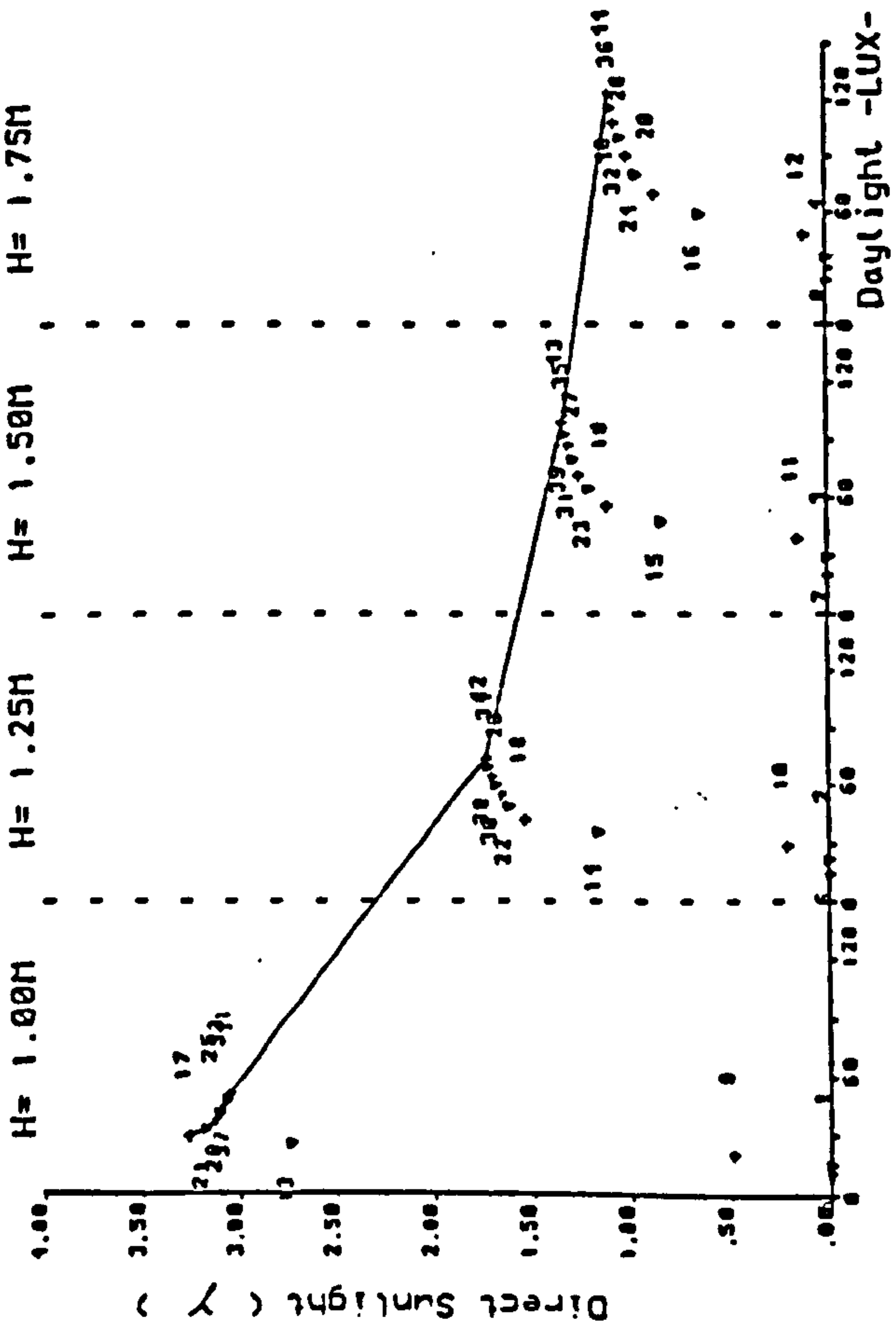




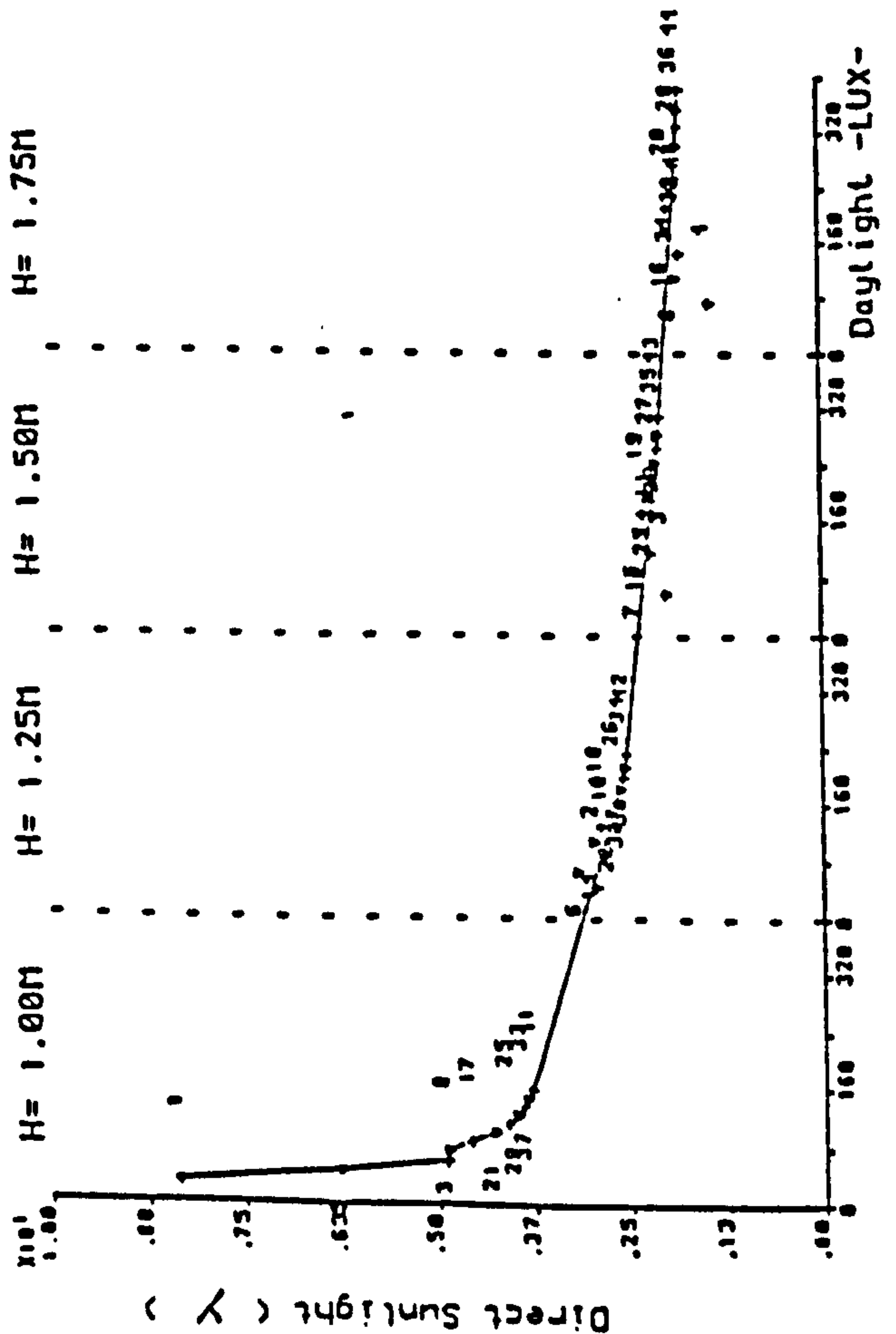
INTERHOUSE DISTANCE - 2.0 M -



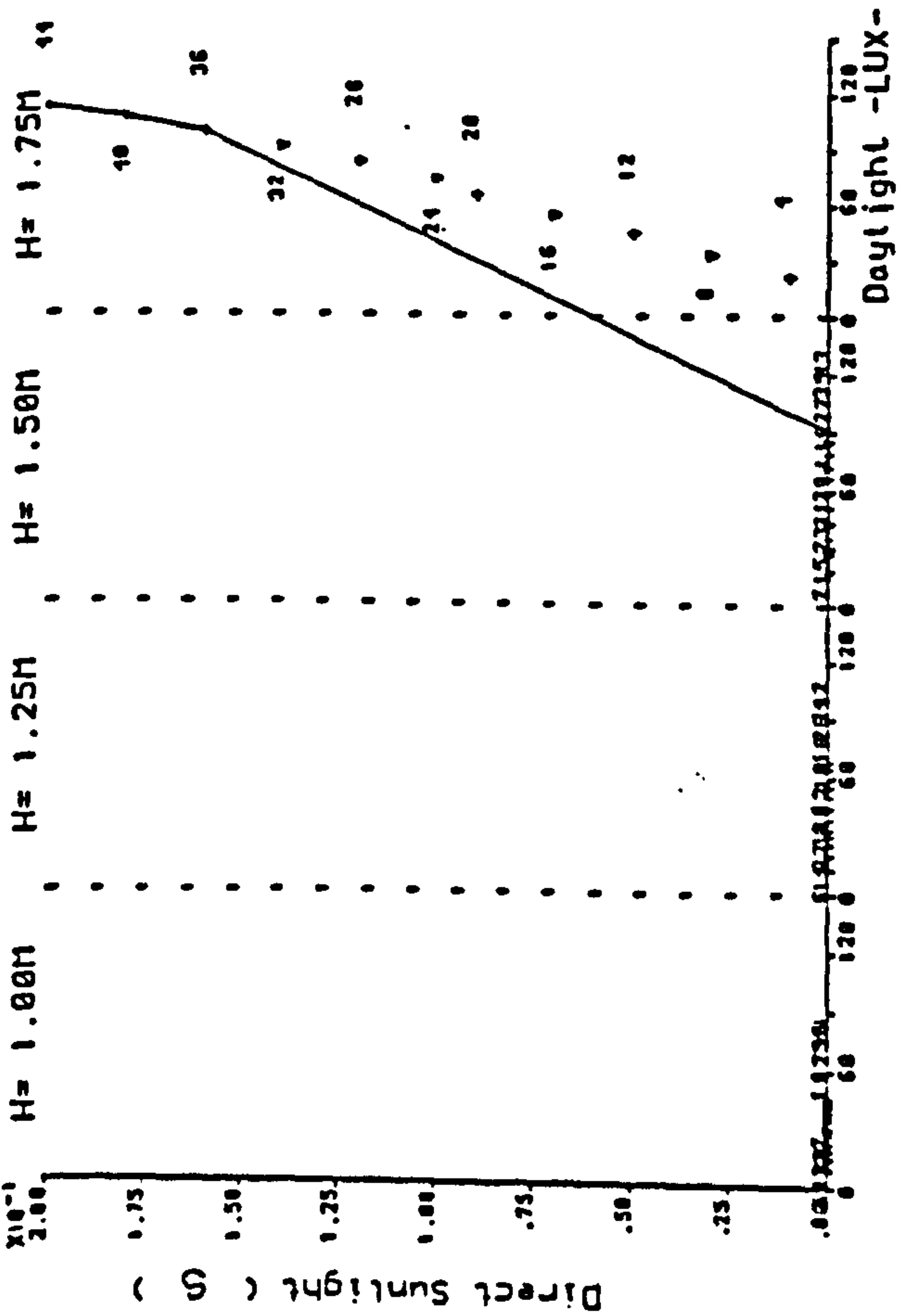
INTERHOUSE DISTANCE - 1.0 M -



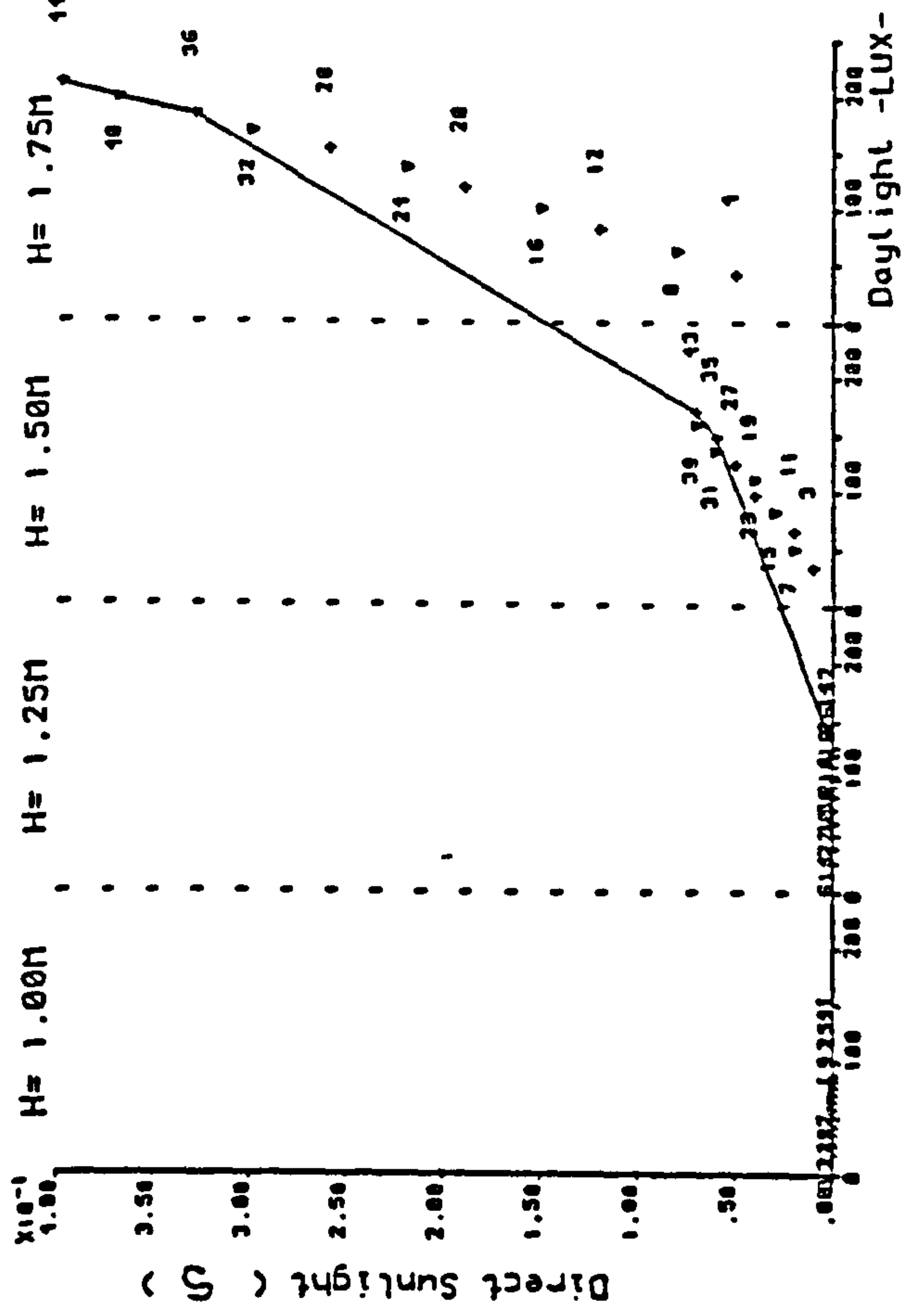
INTERHOUSE DISTANCE - 1.0 M -



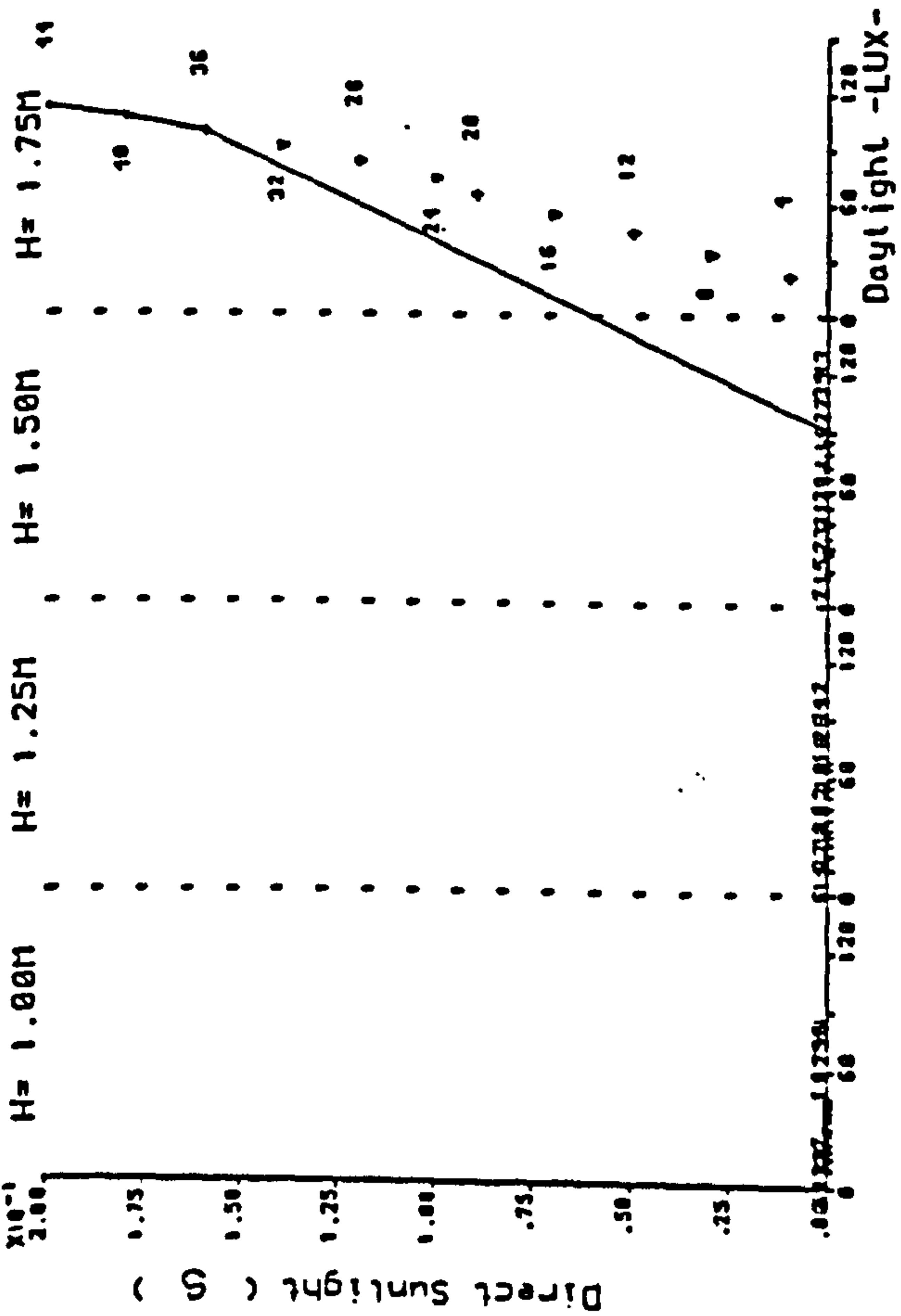
INTERHOUSE DISTANCE - 3.0 M -



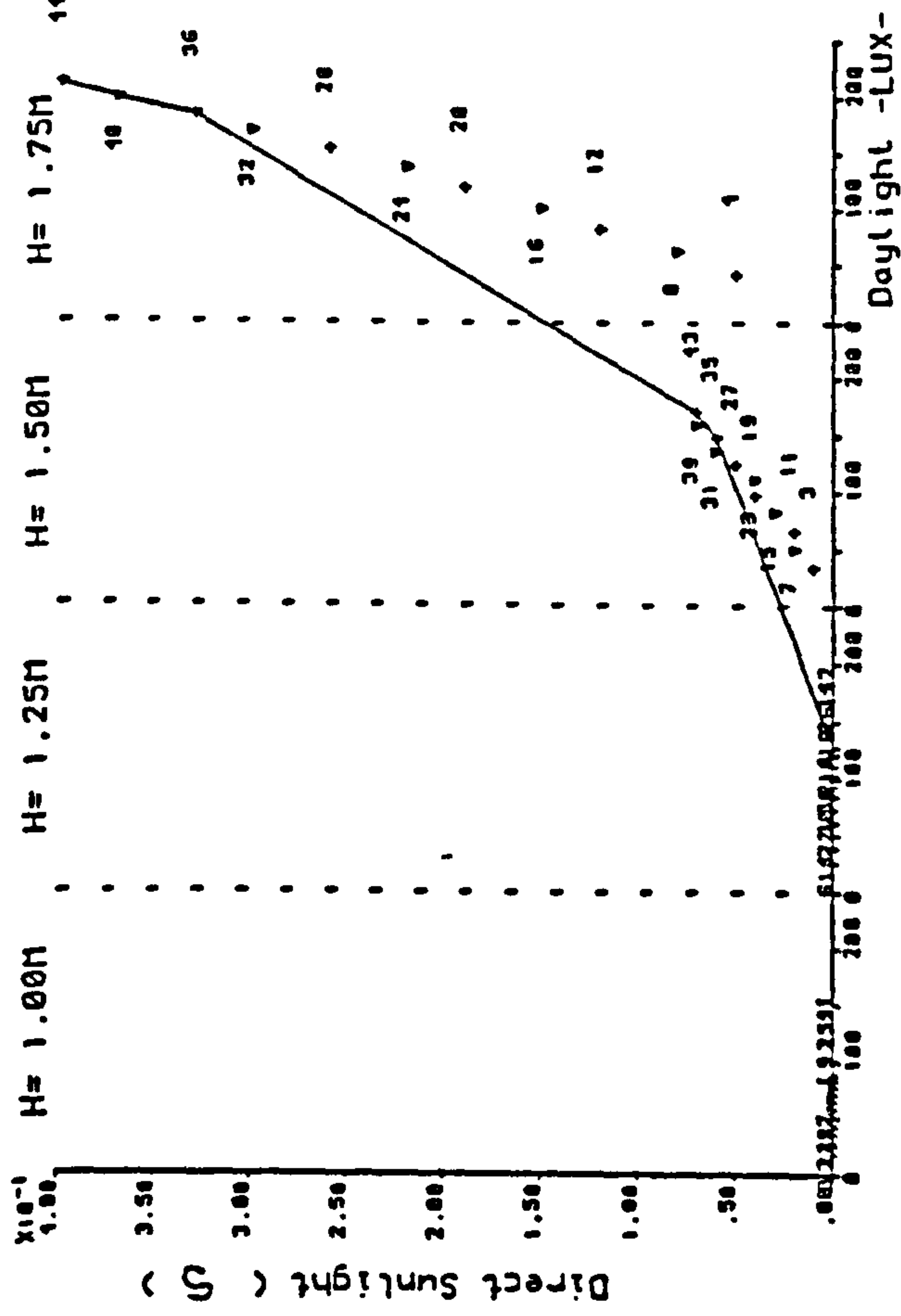
INTERHOUSE DISTANCE - 1.0 M -



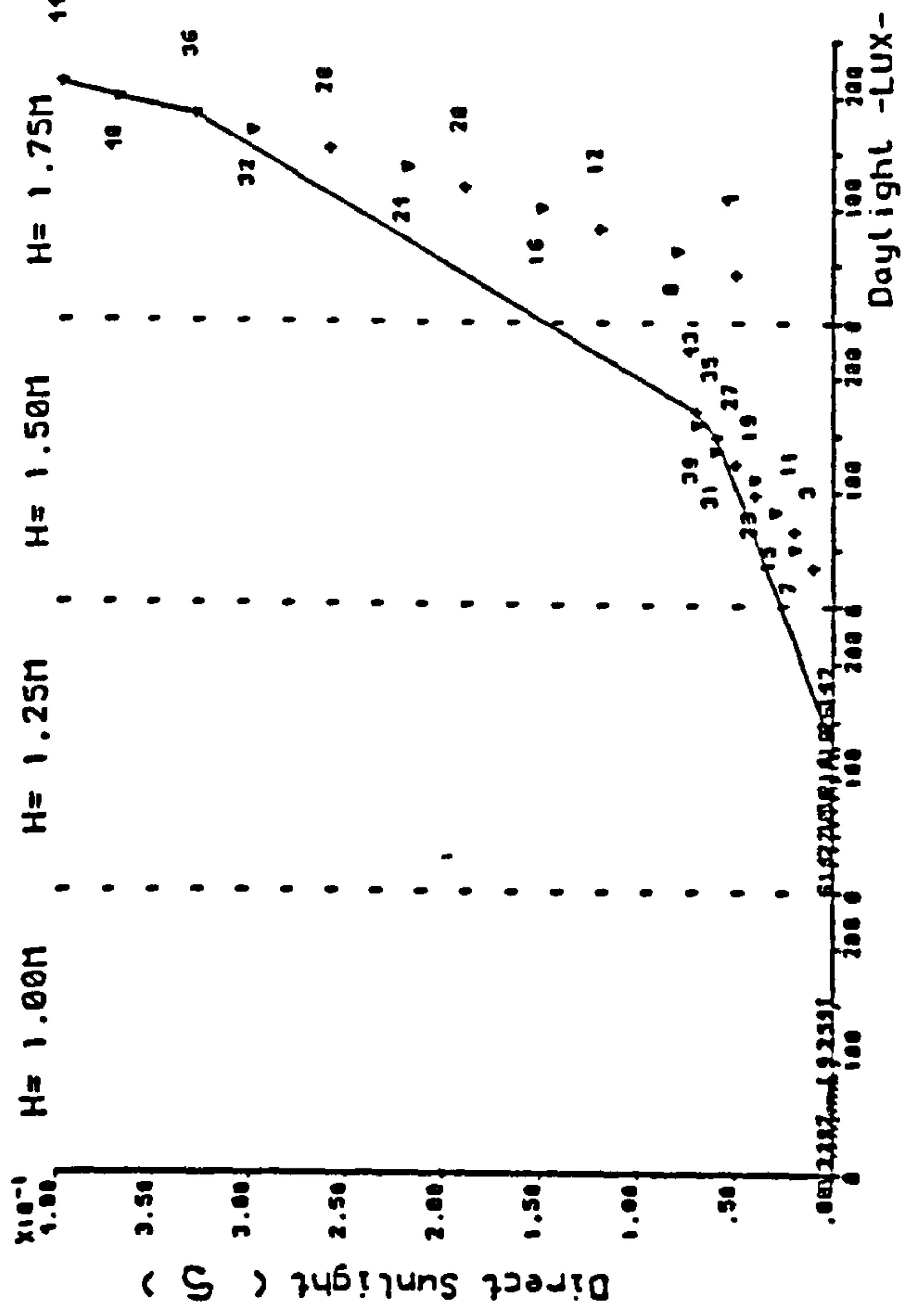
INTERHOUSE DISTANCE - 2.0 M -



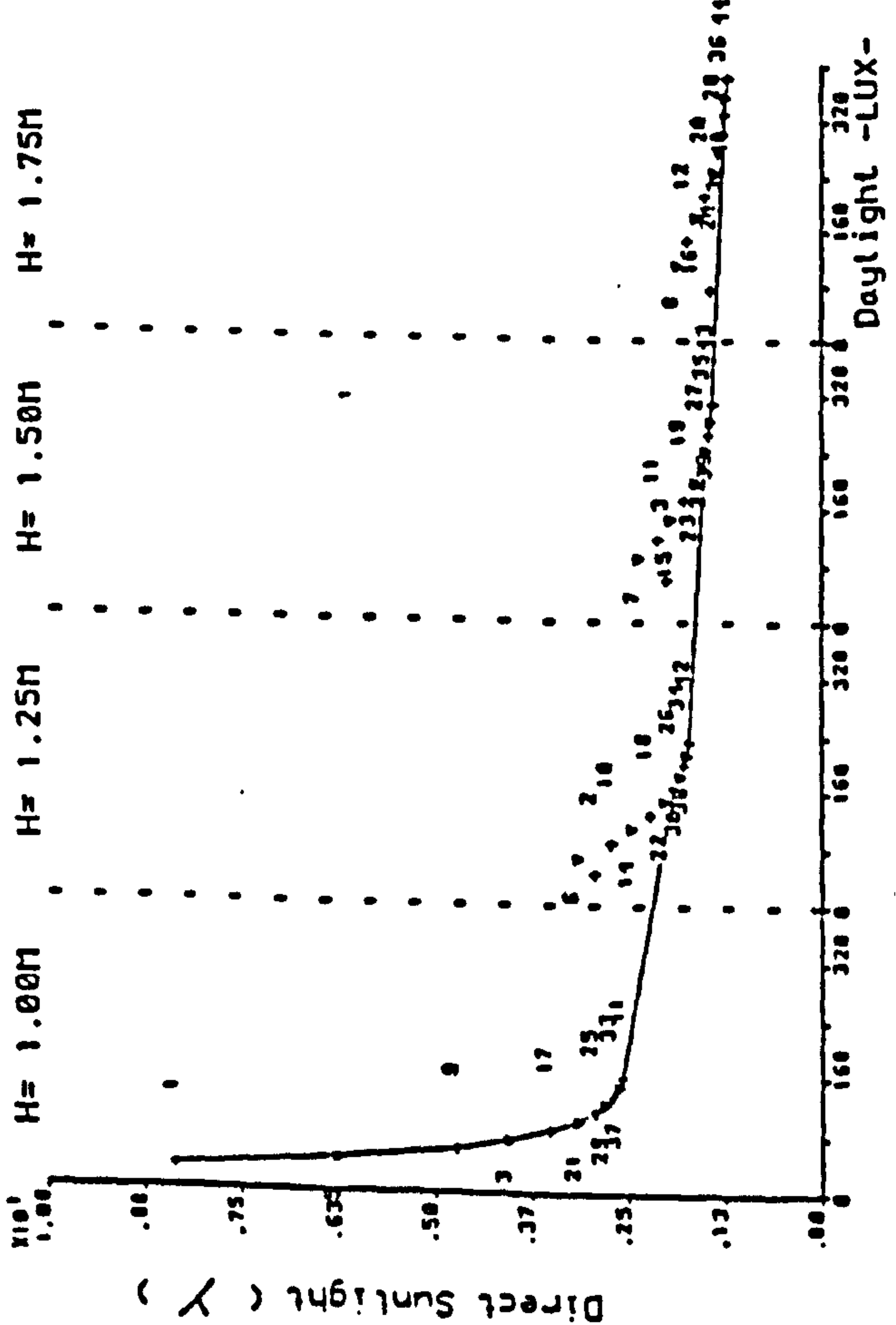
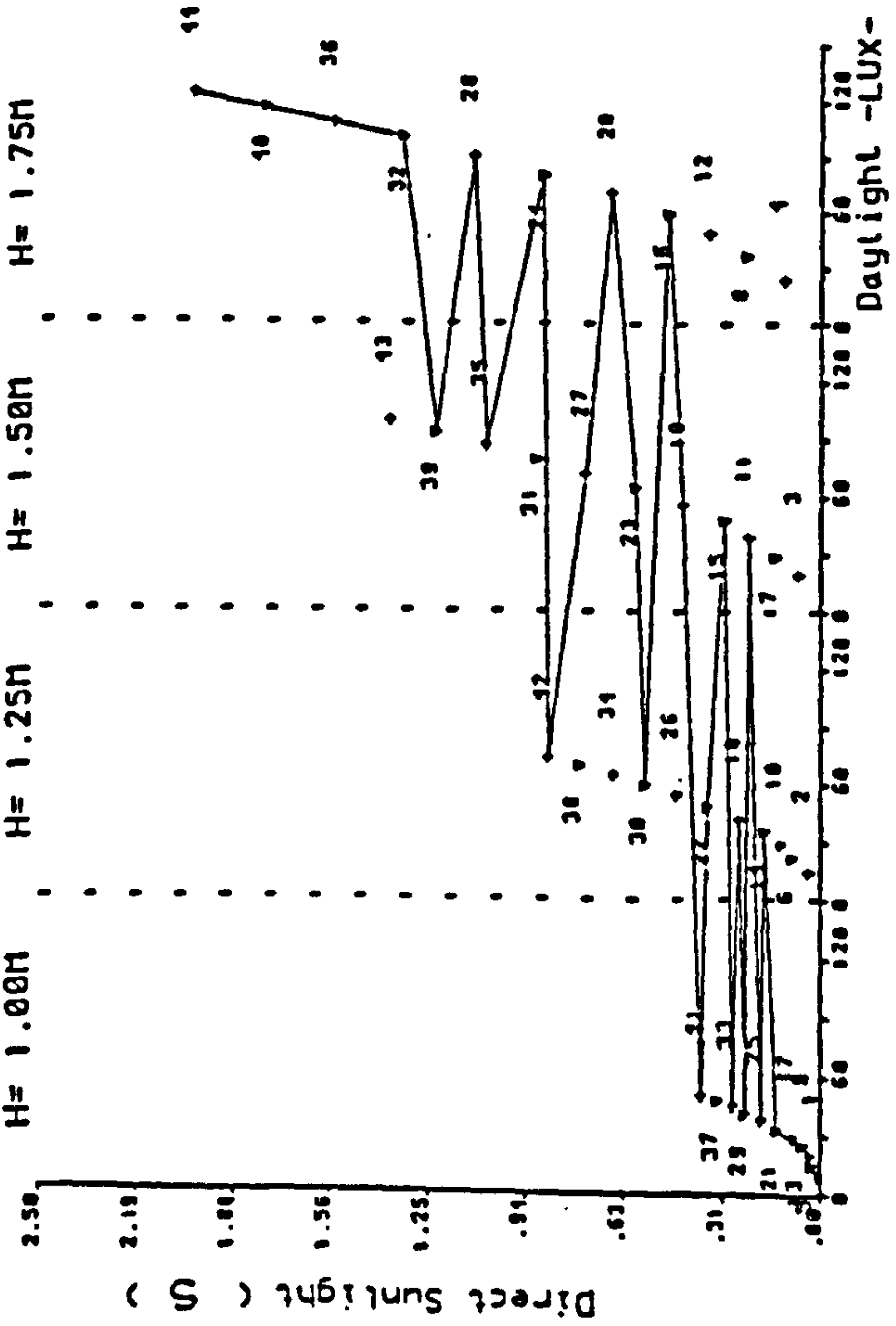
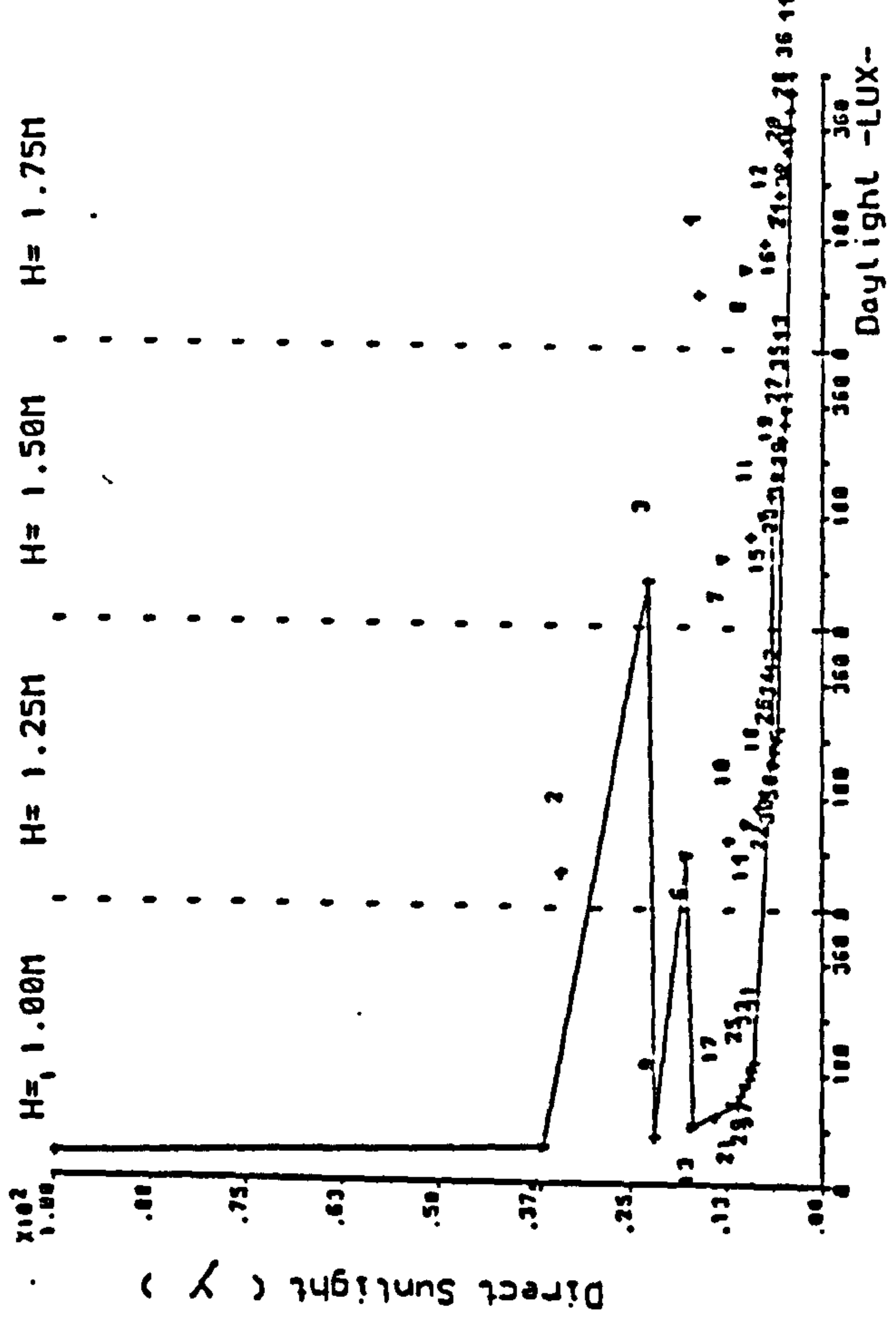
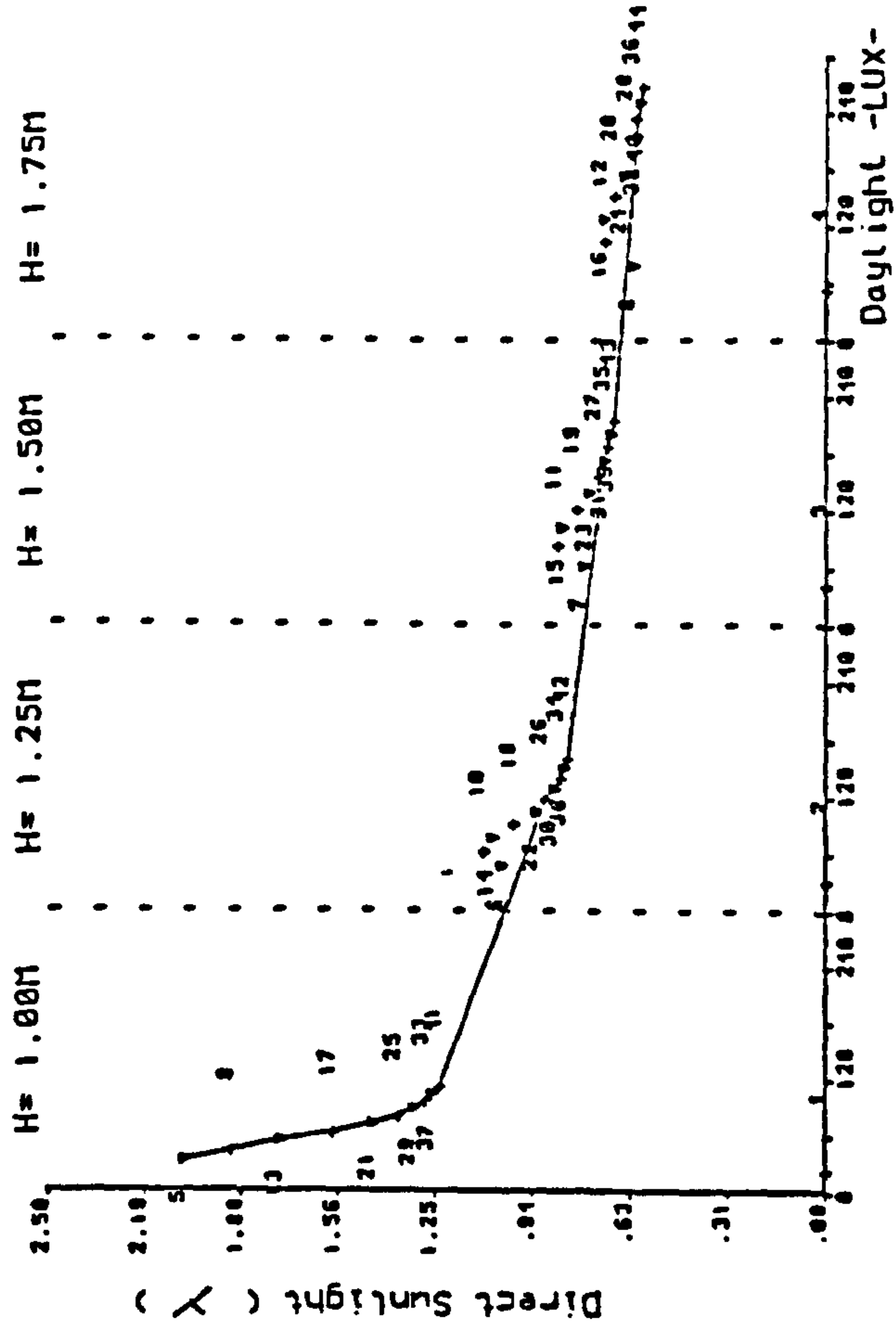
INTERHOUSE DISTANCE - 3.0 M -

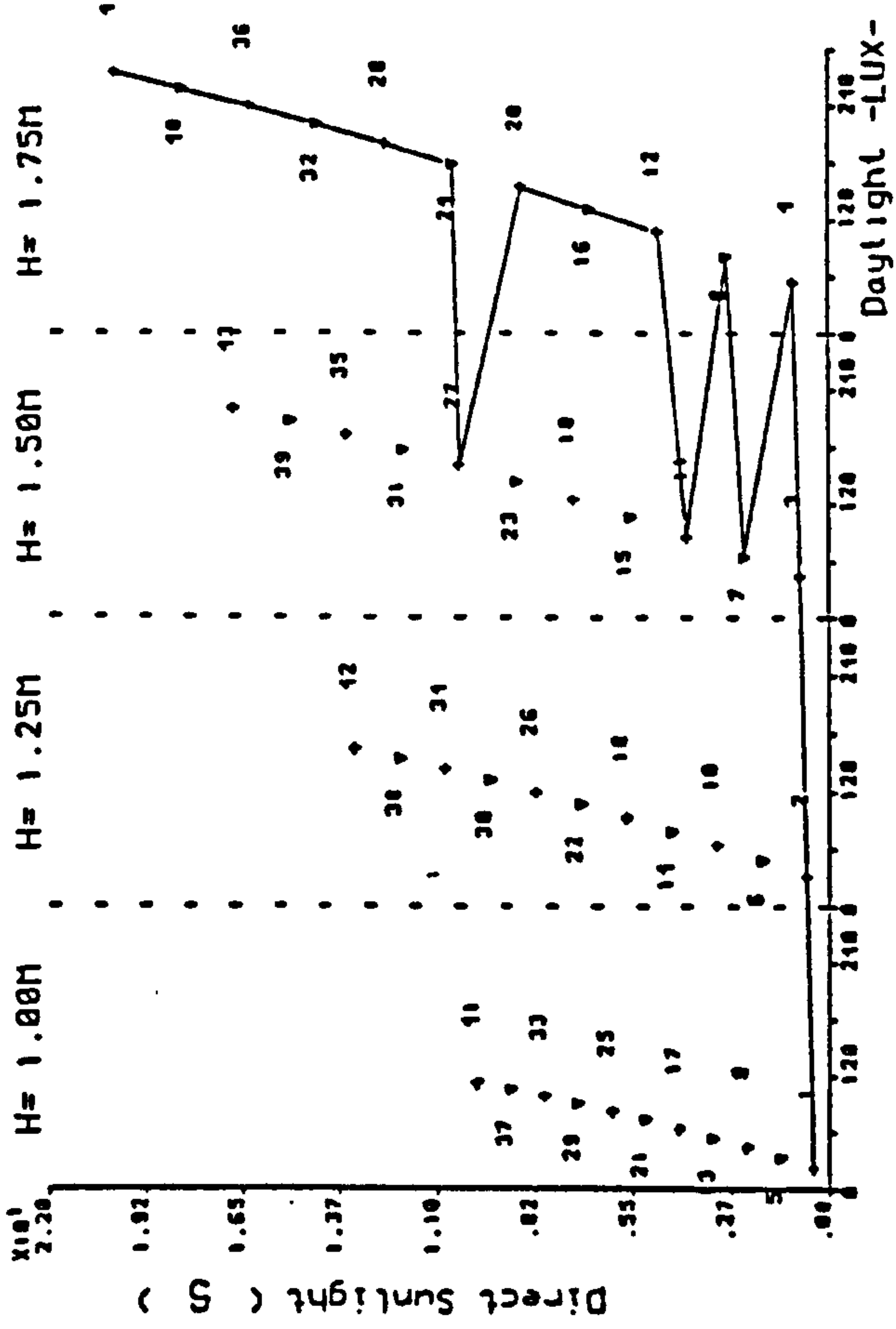


INTERHOUSE DISTANCE - 1.0 M -

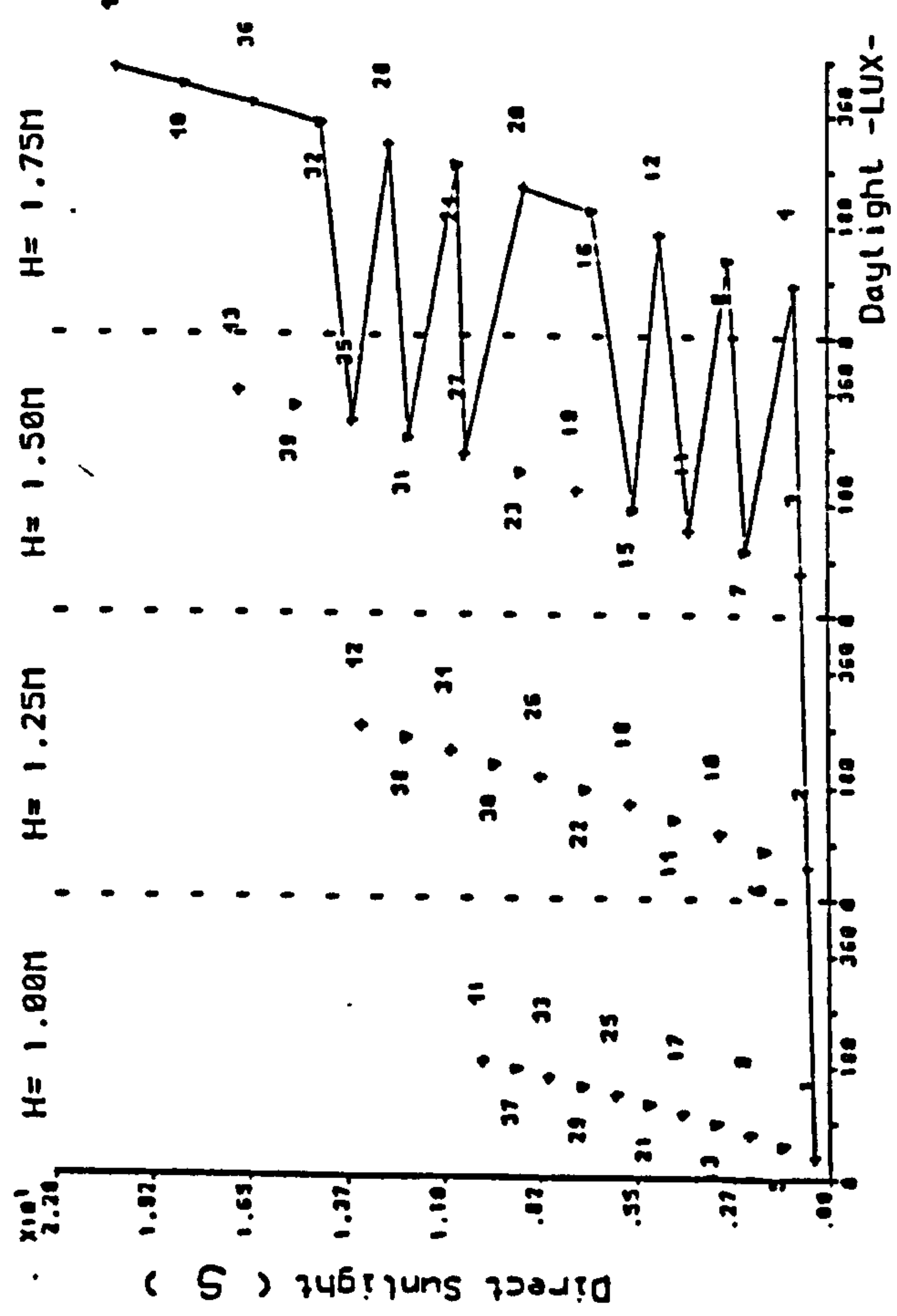


INTERHOUSE DISTANCE - 2.0 M -

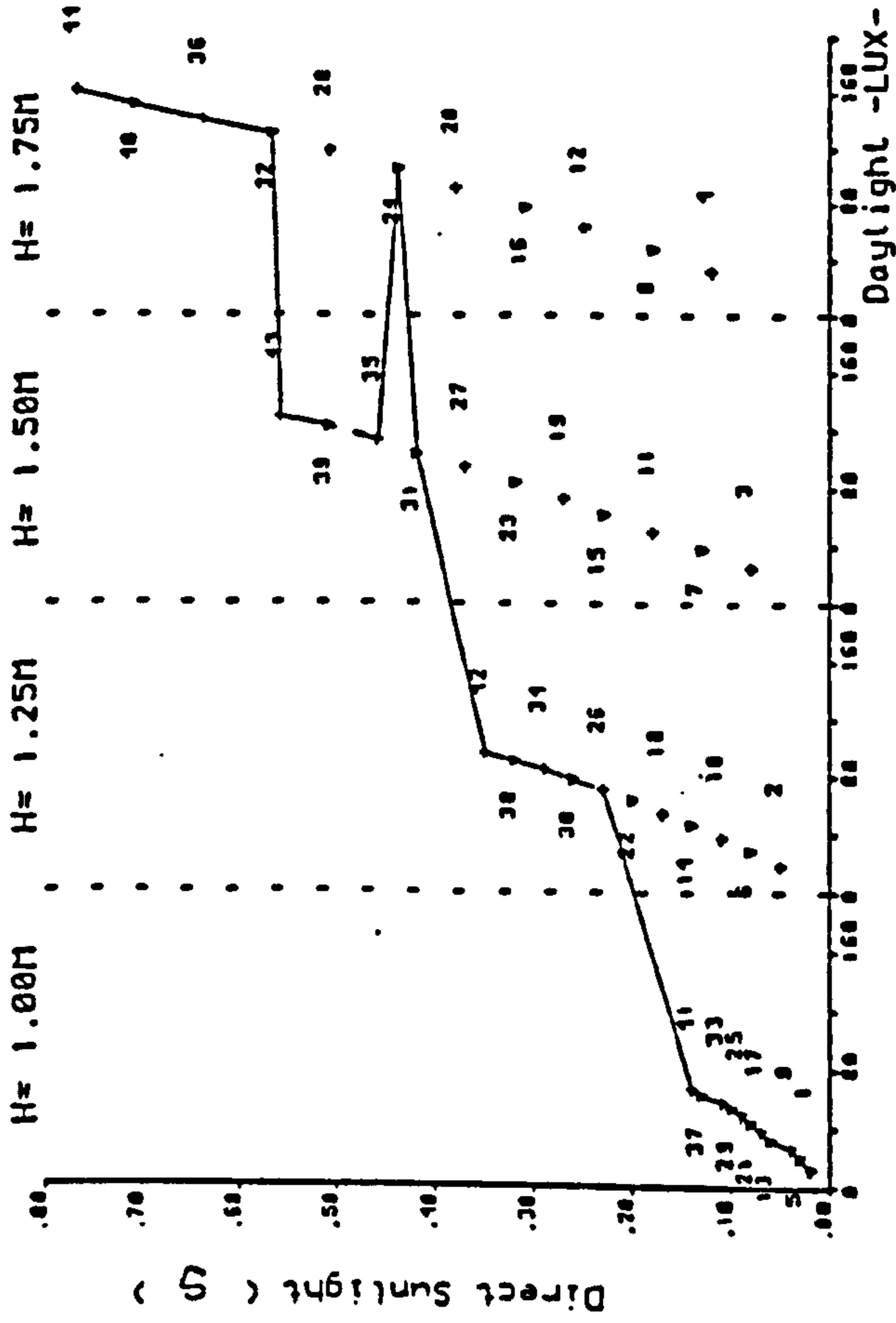




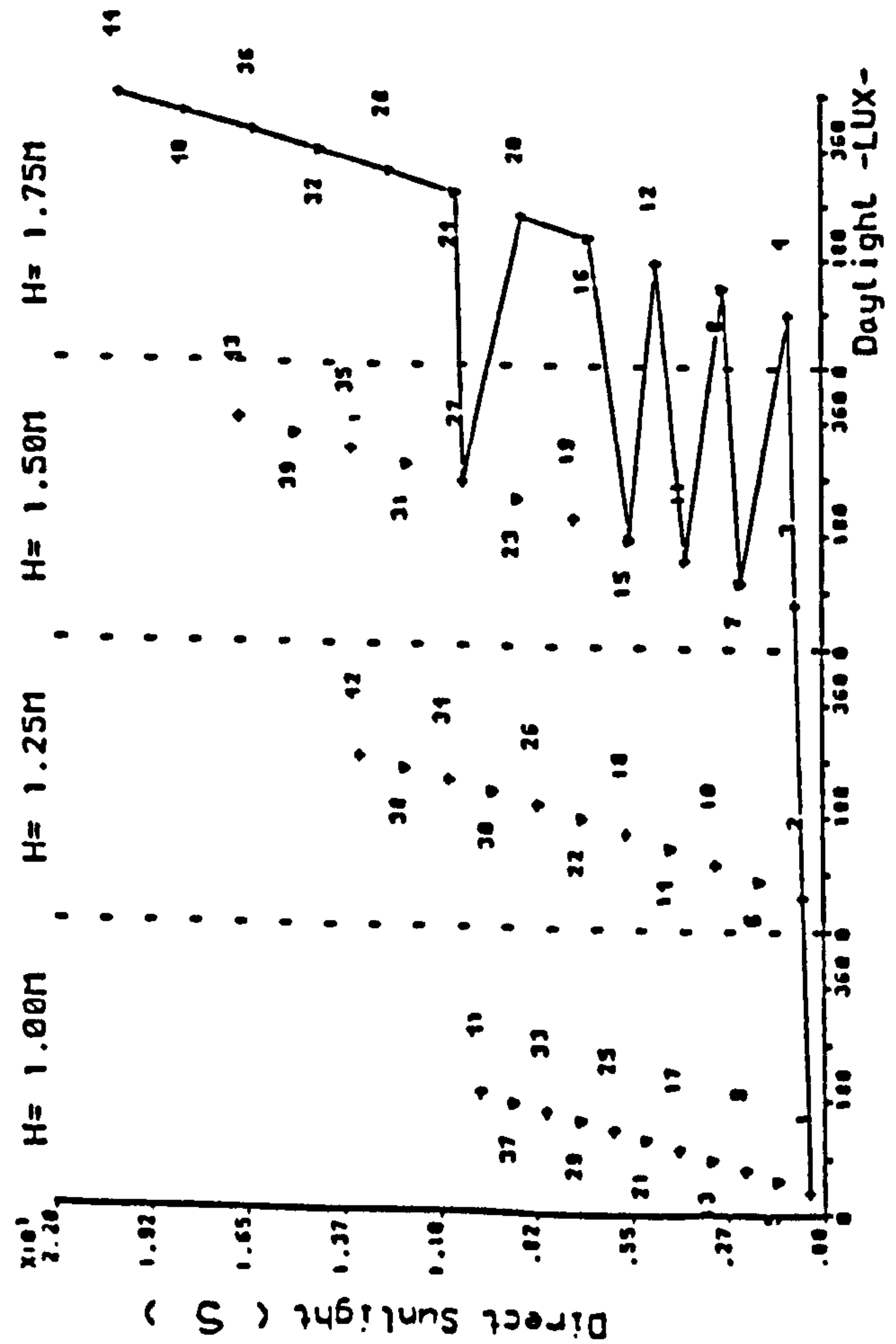
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -

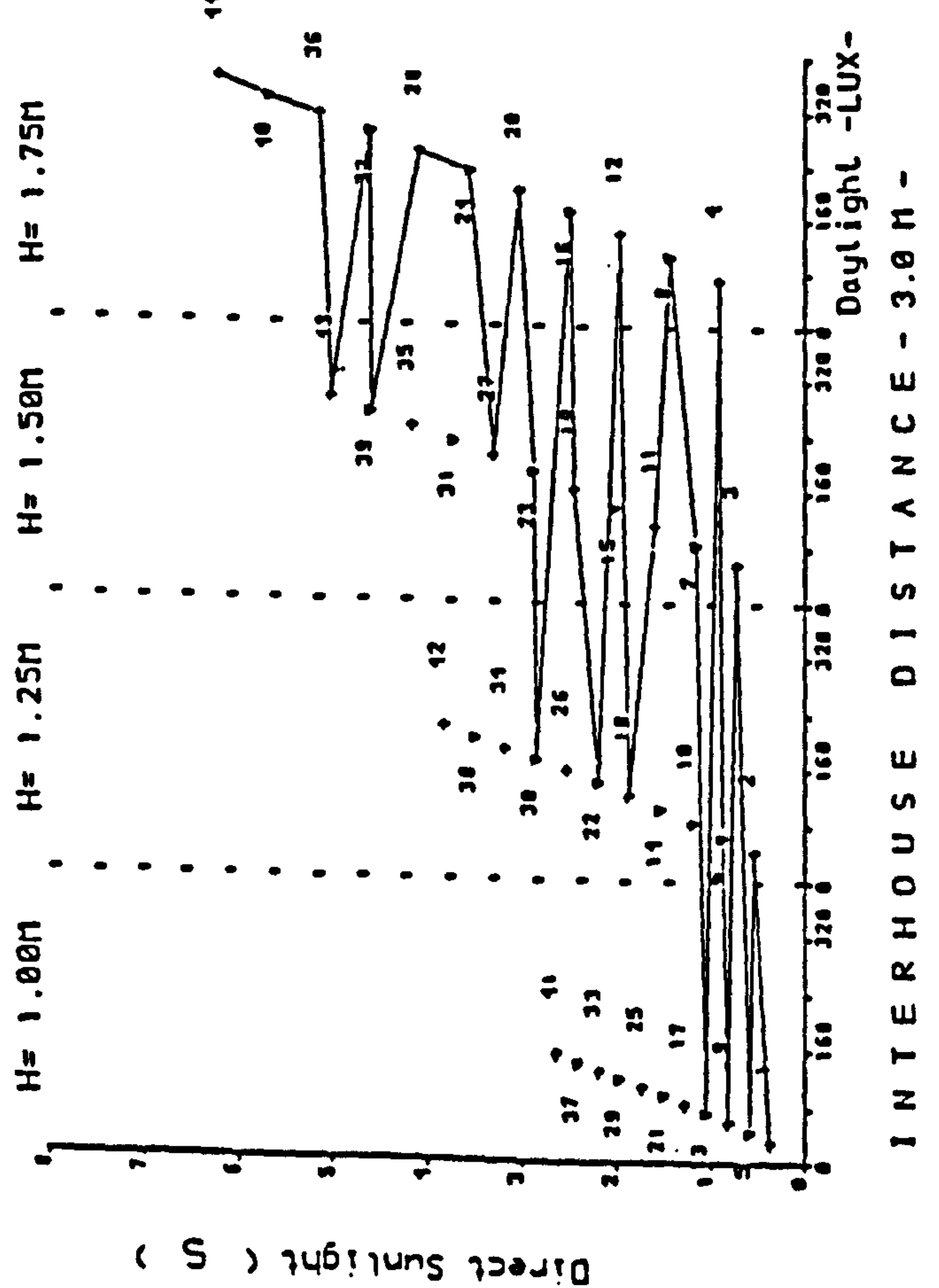
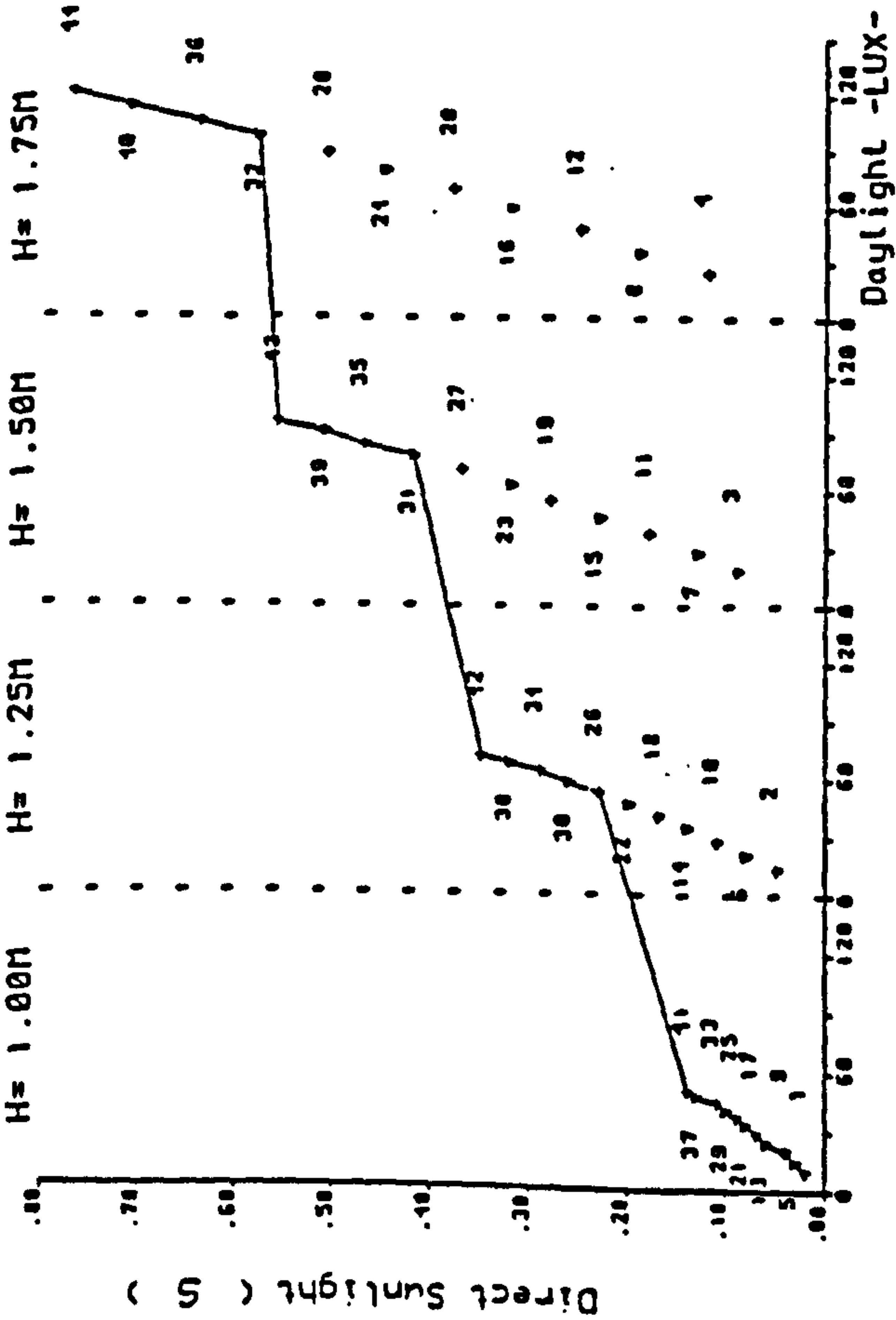
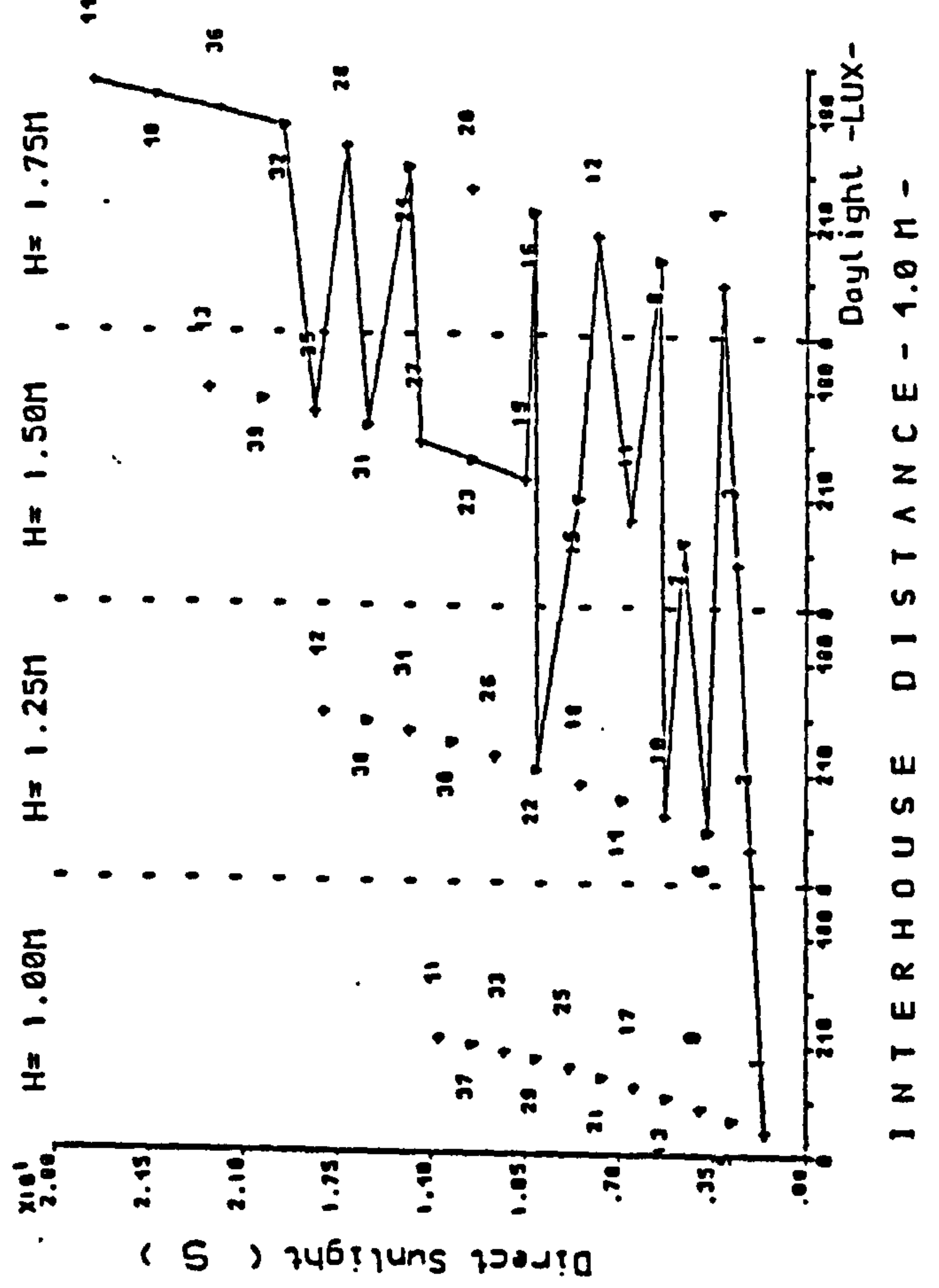
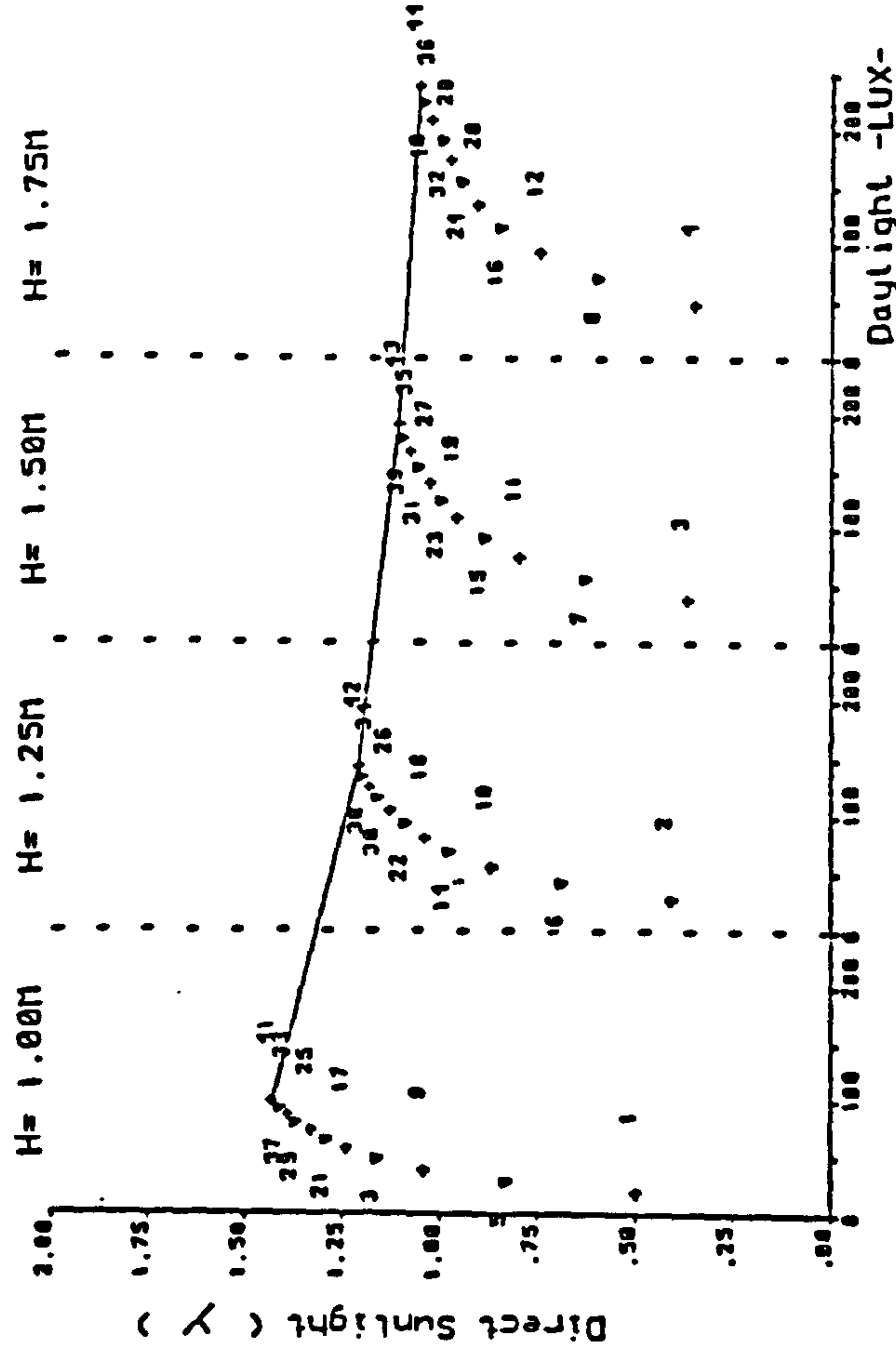


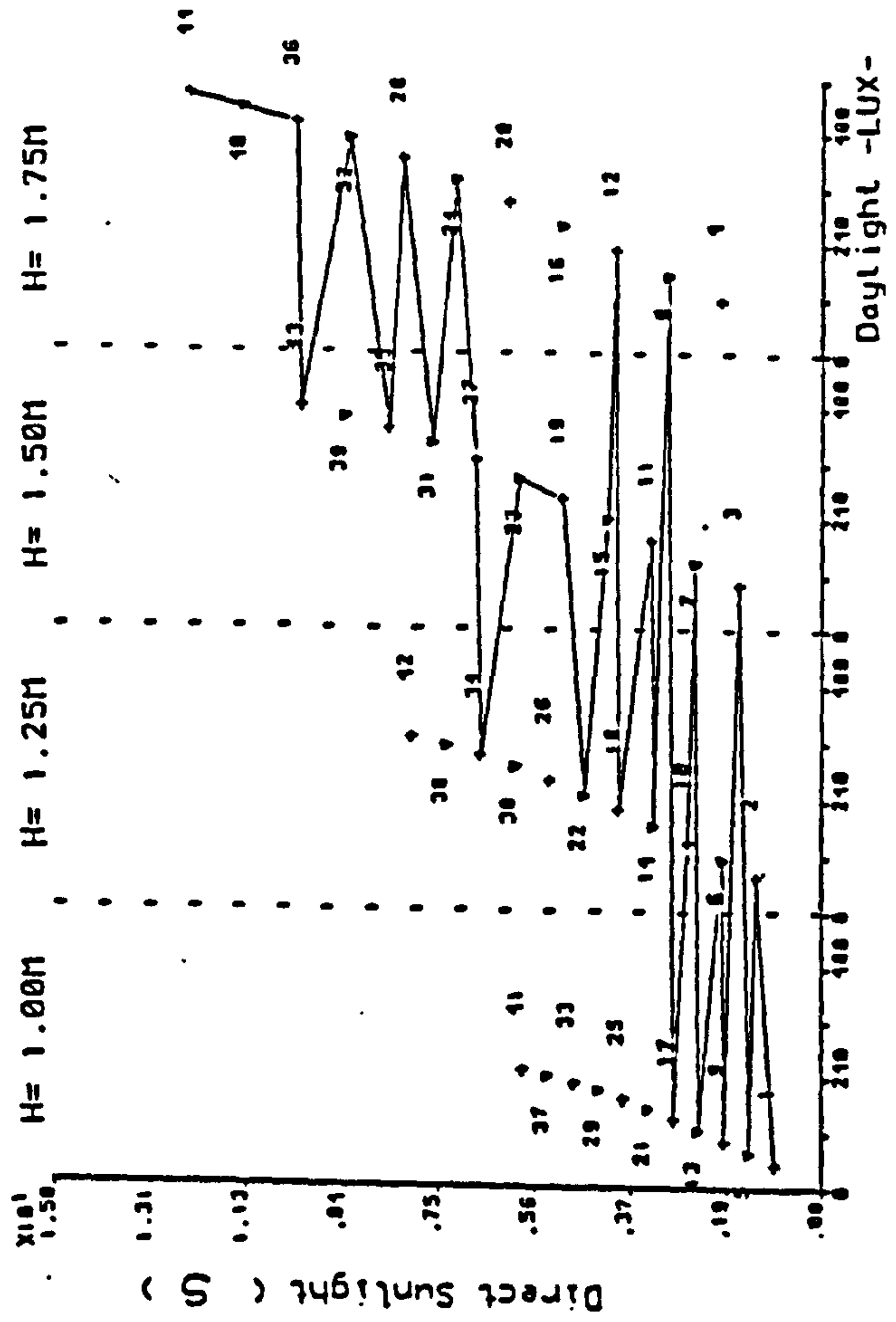
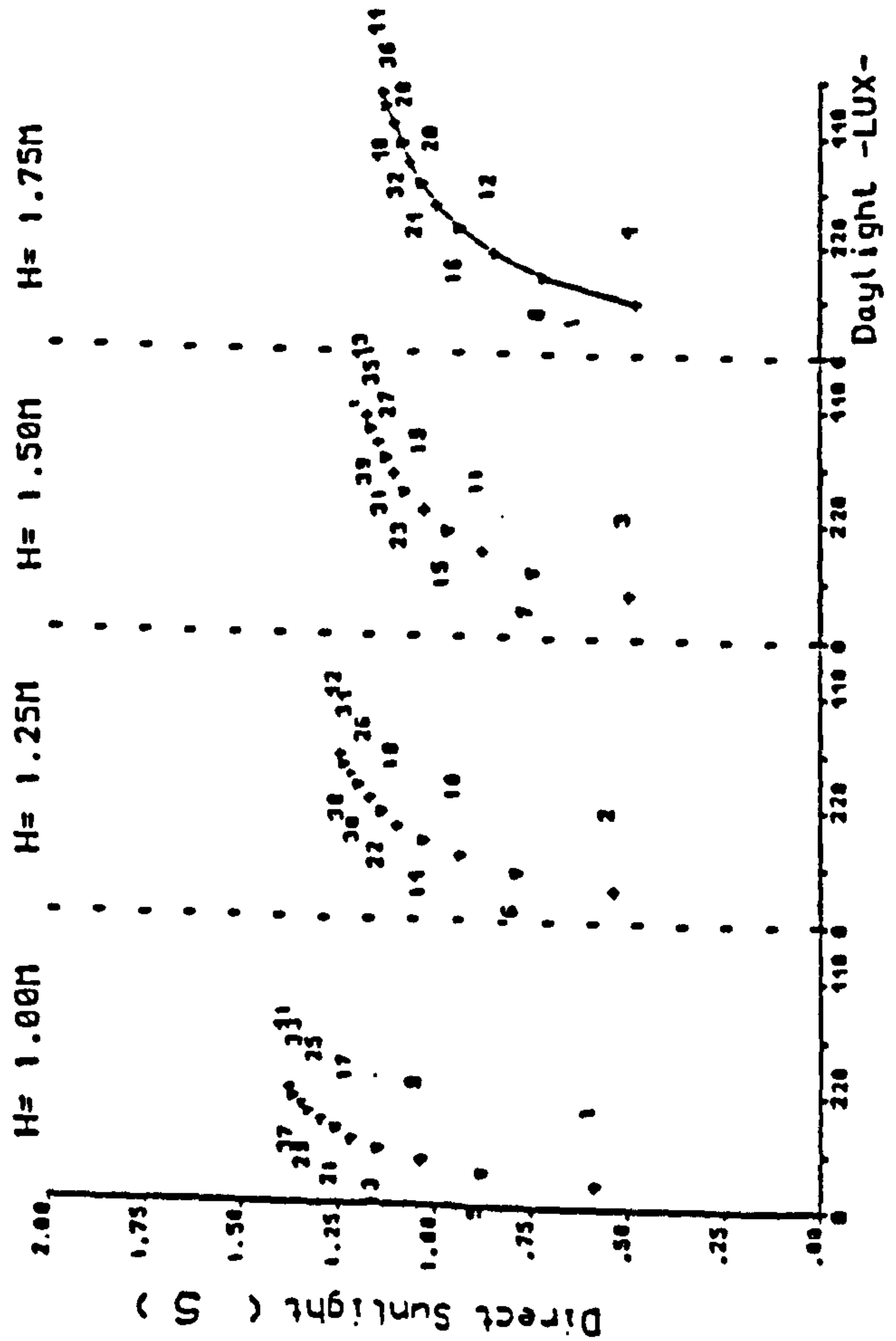
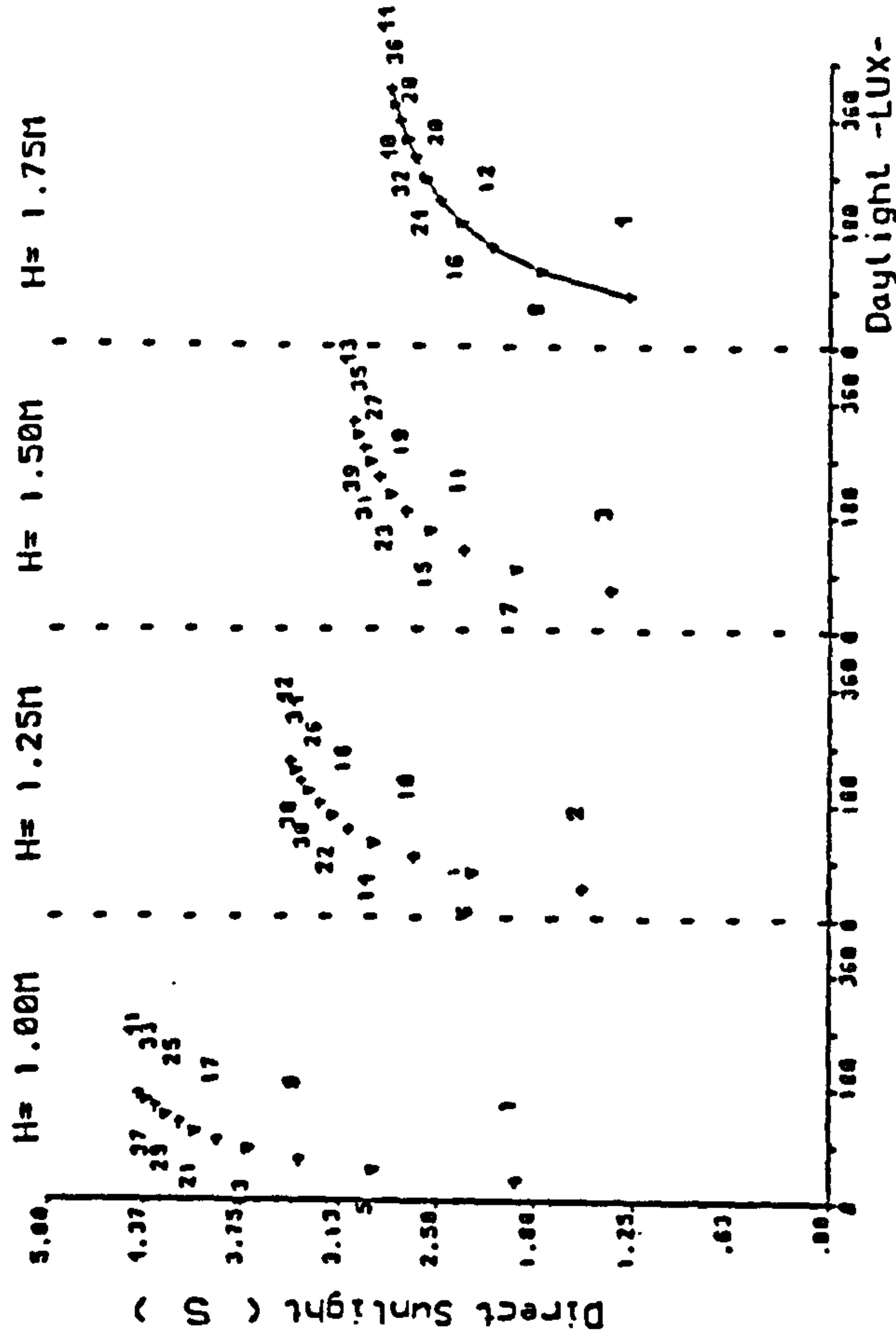
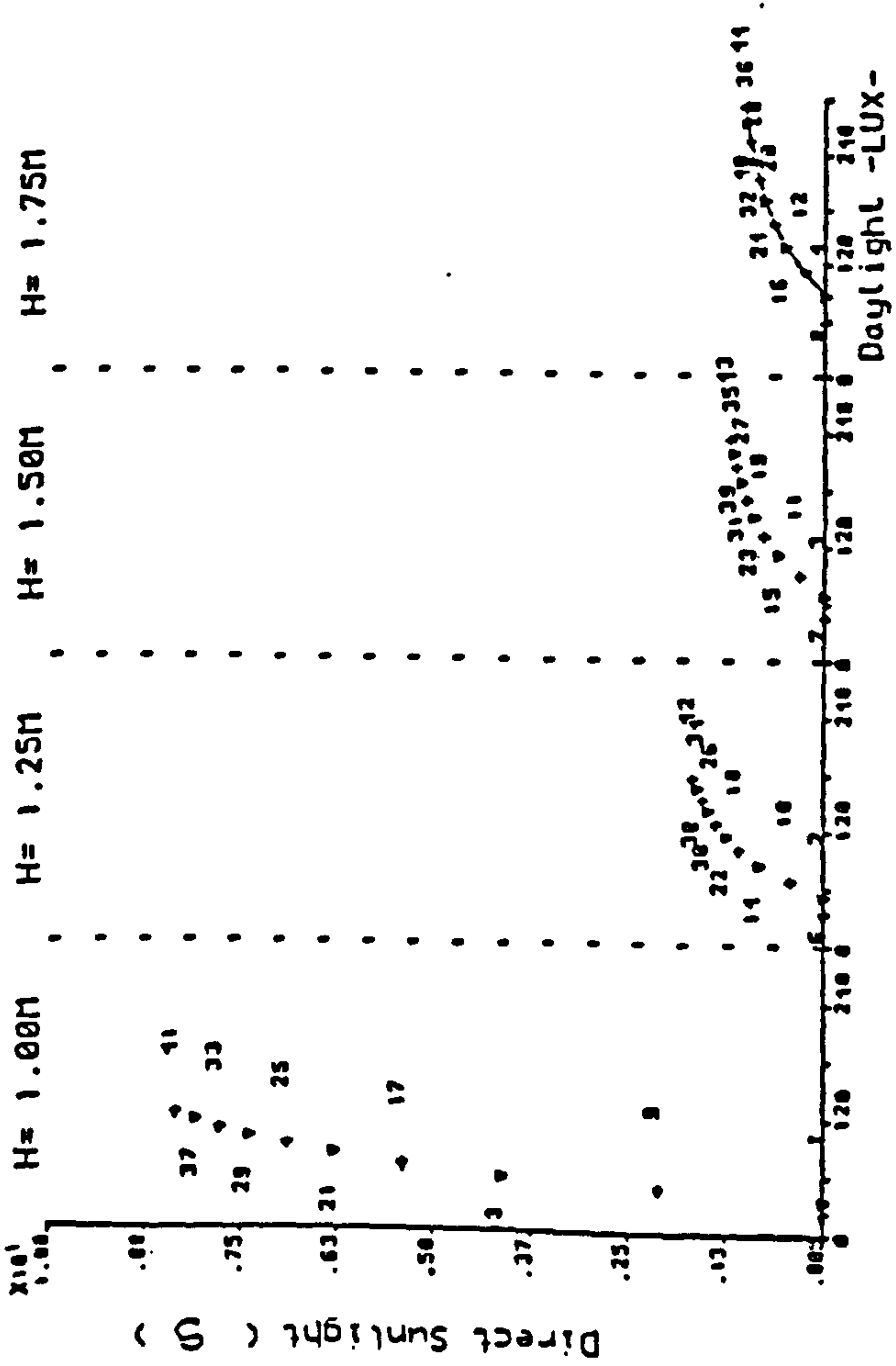
INTERHOUSE DISTANCE - 1.0 M -

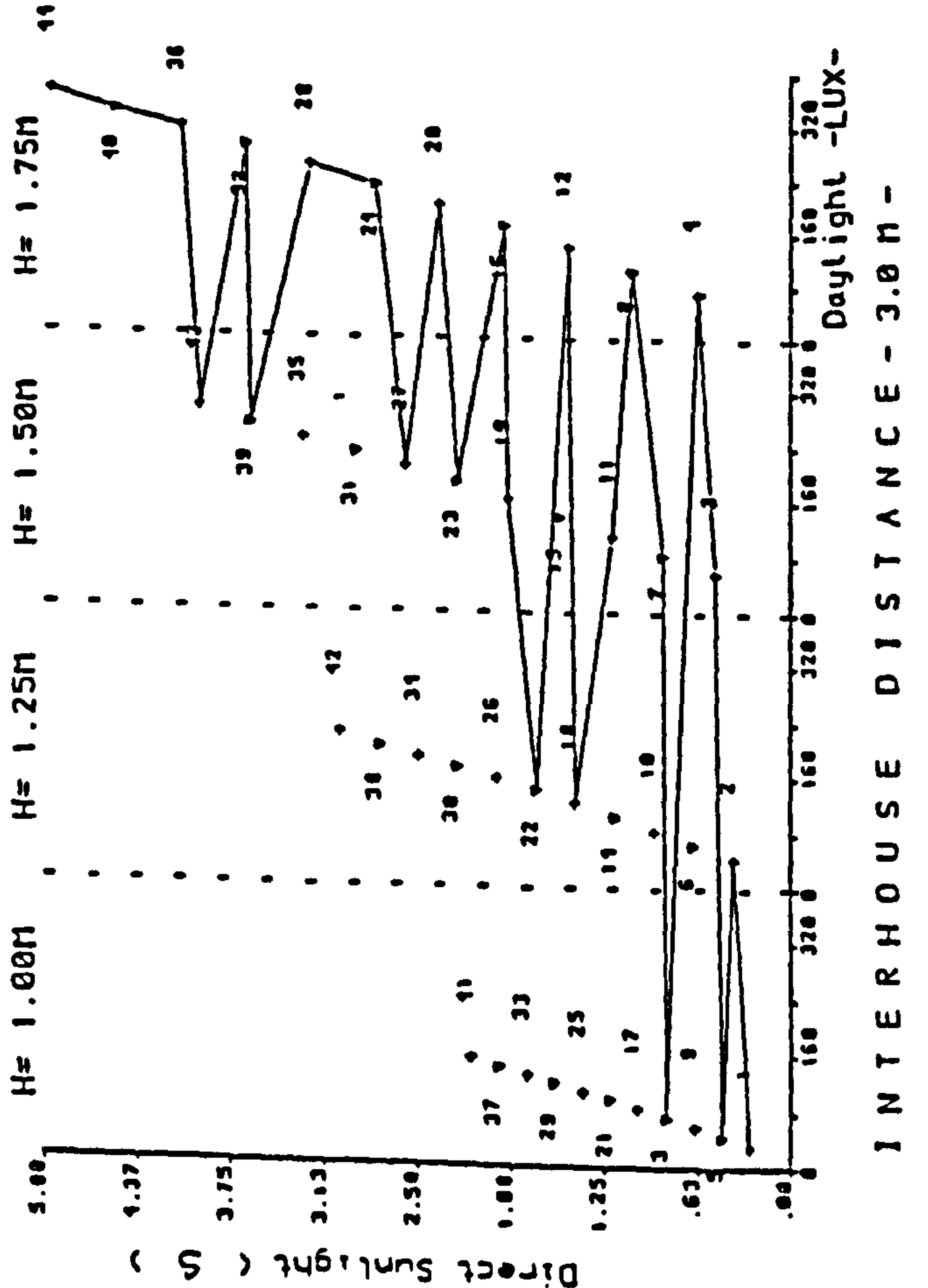
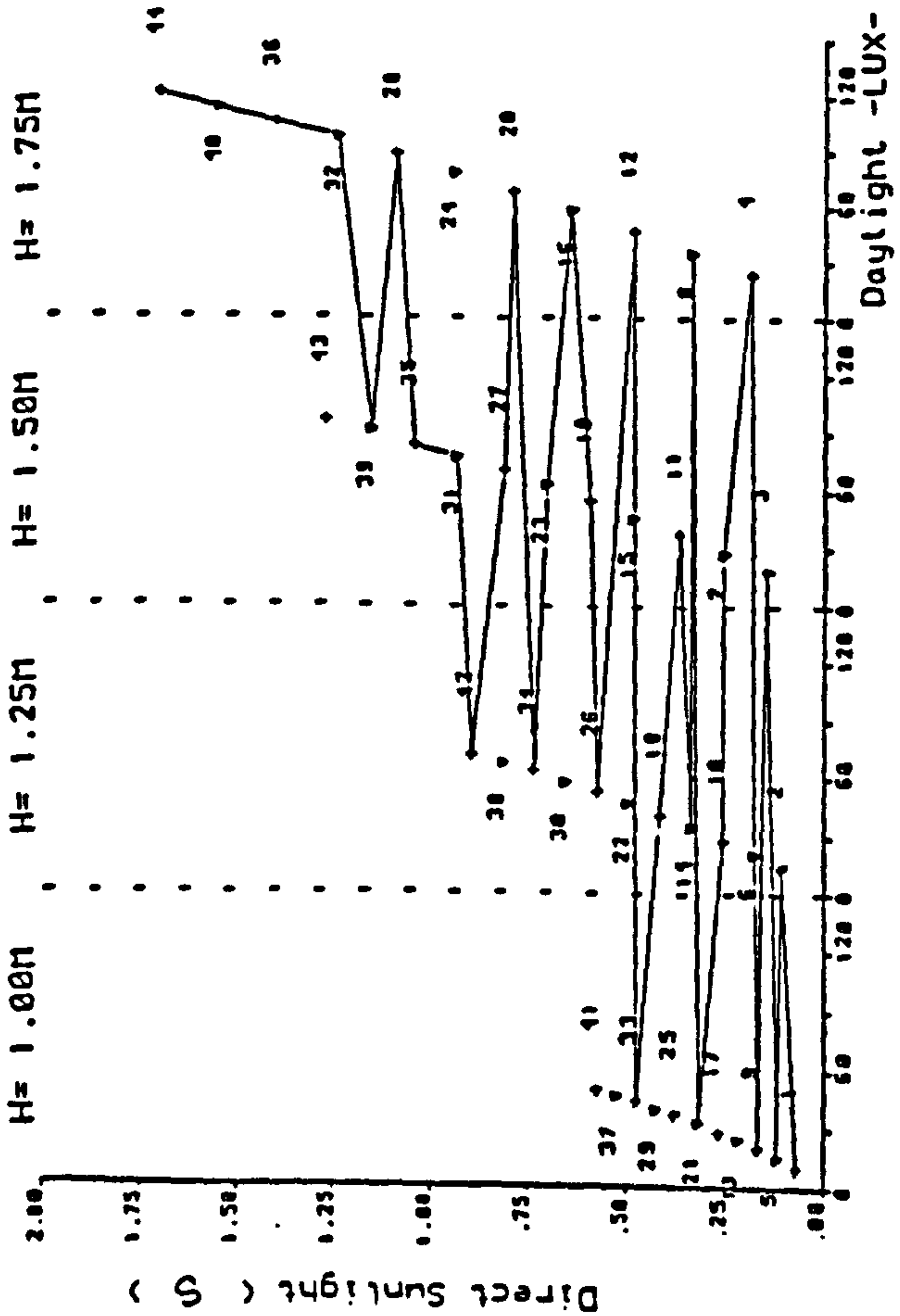
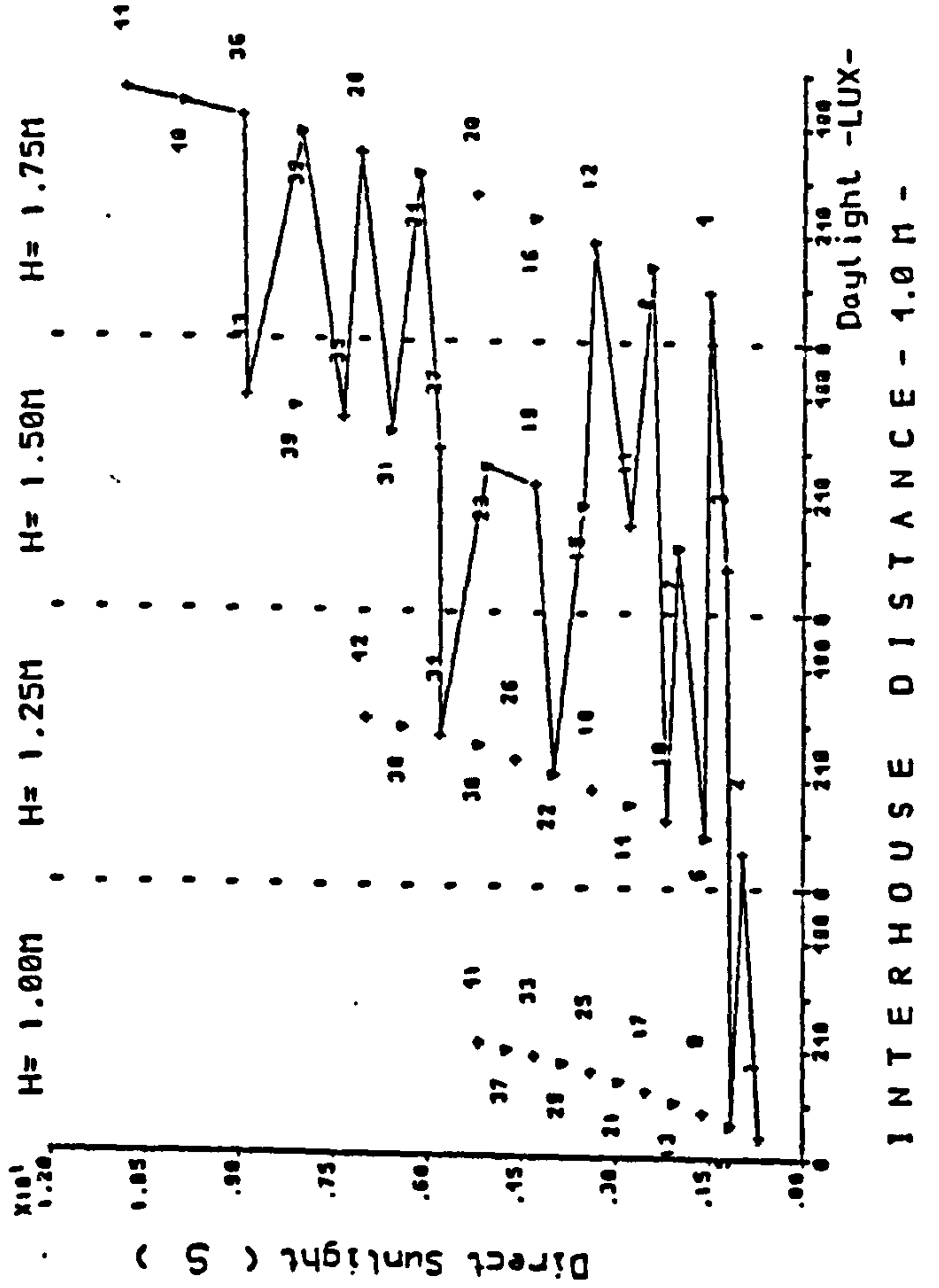
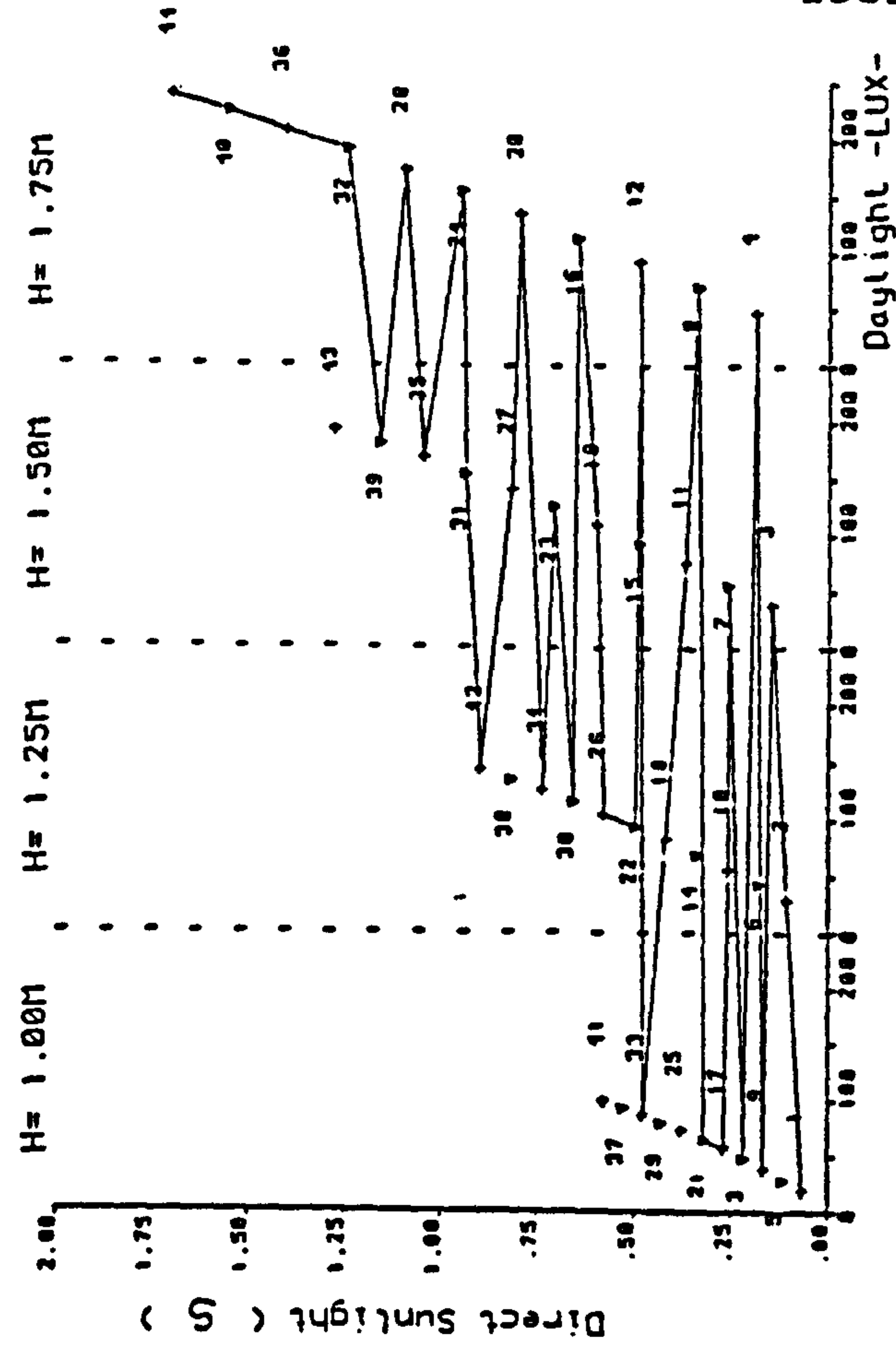


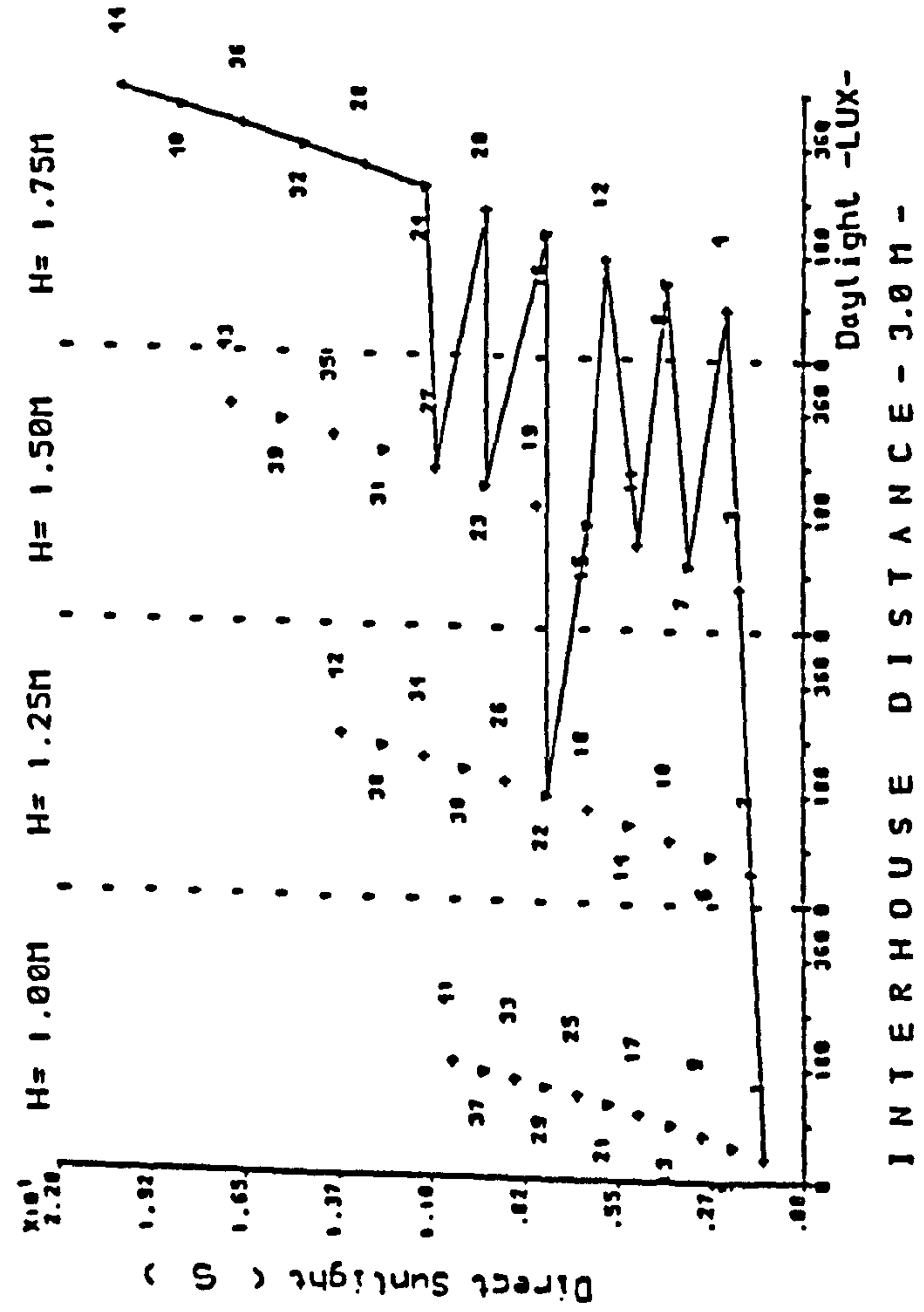
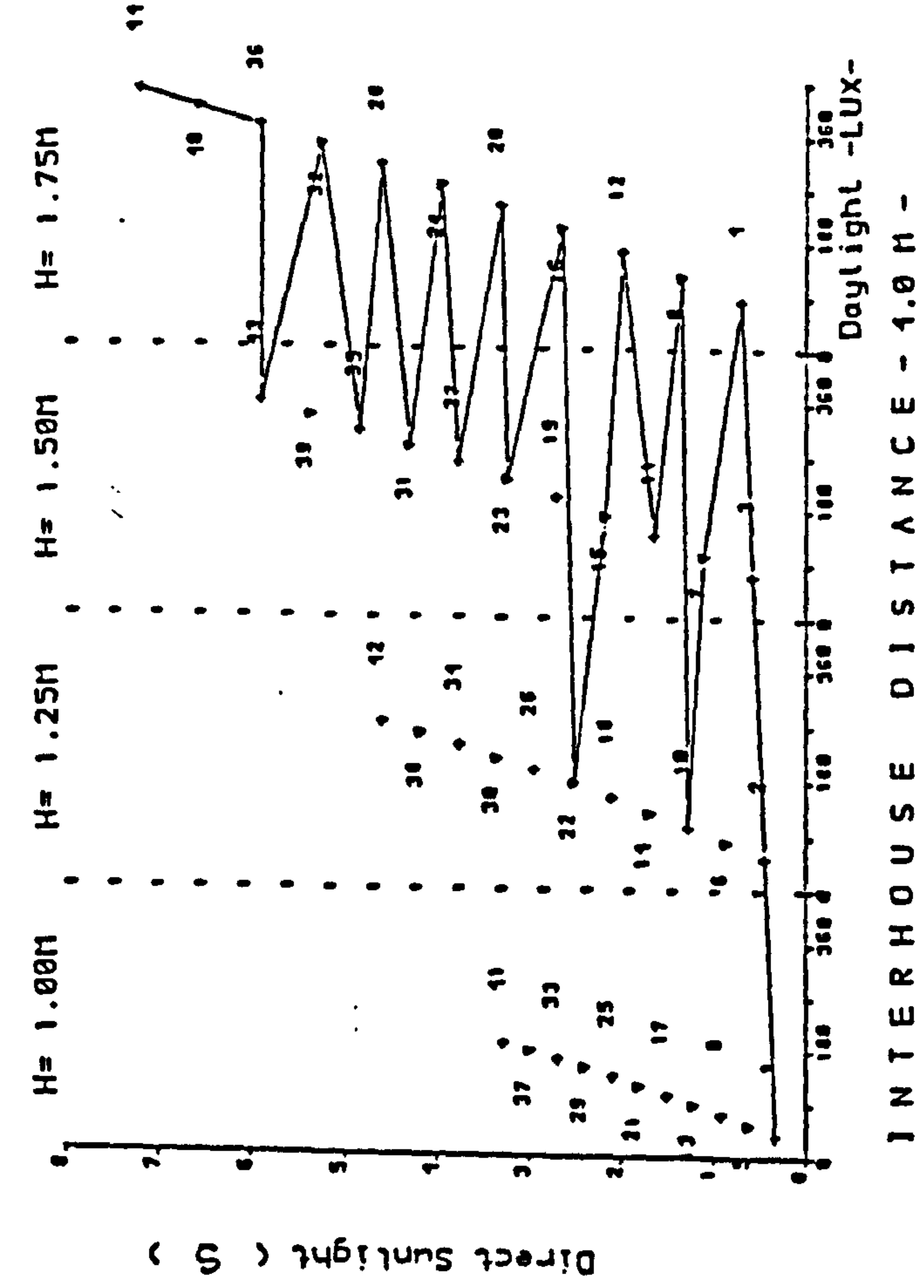
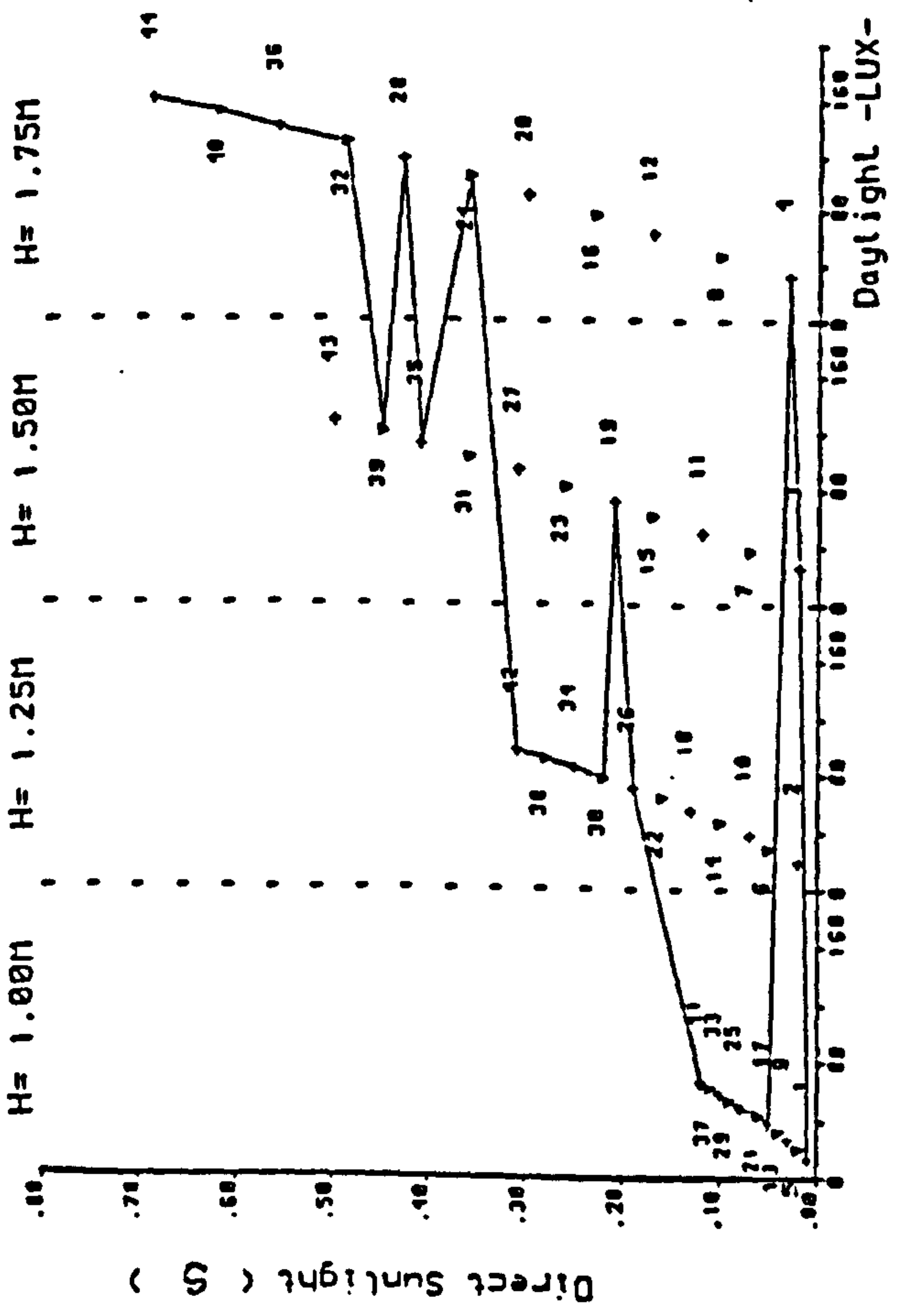
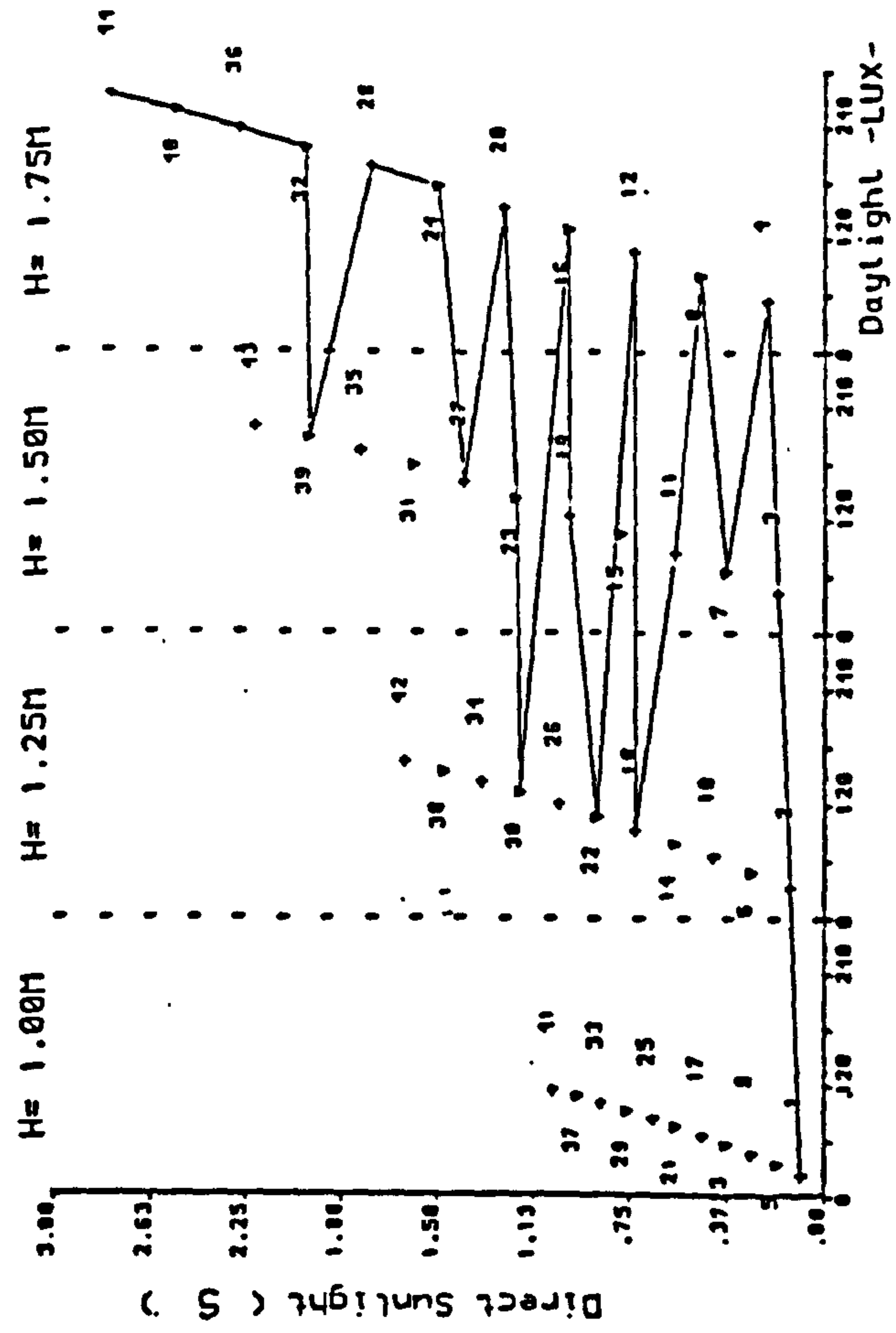
INTERHOUSE DISTANCE - 3.0 M -



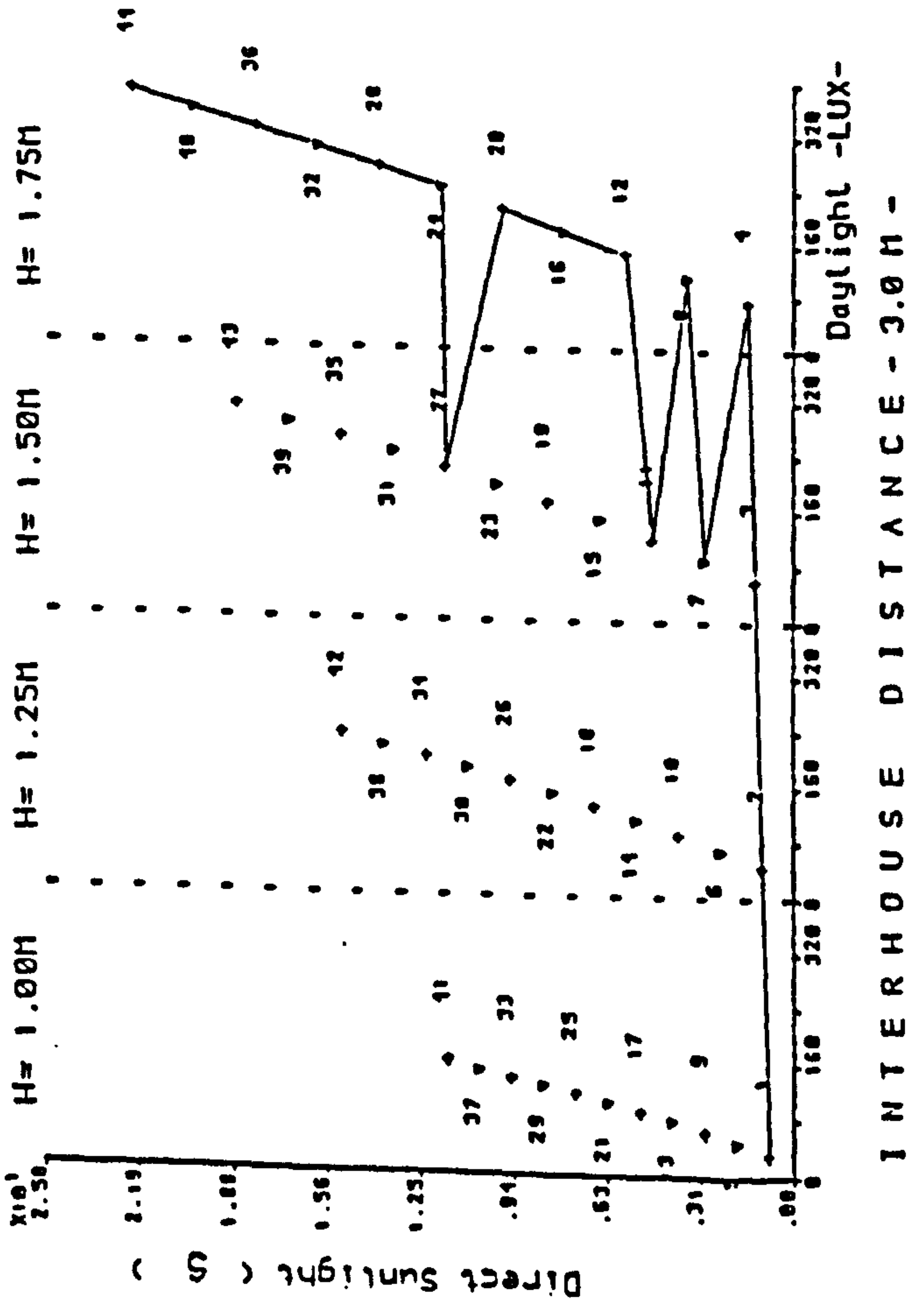
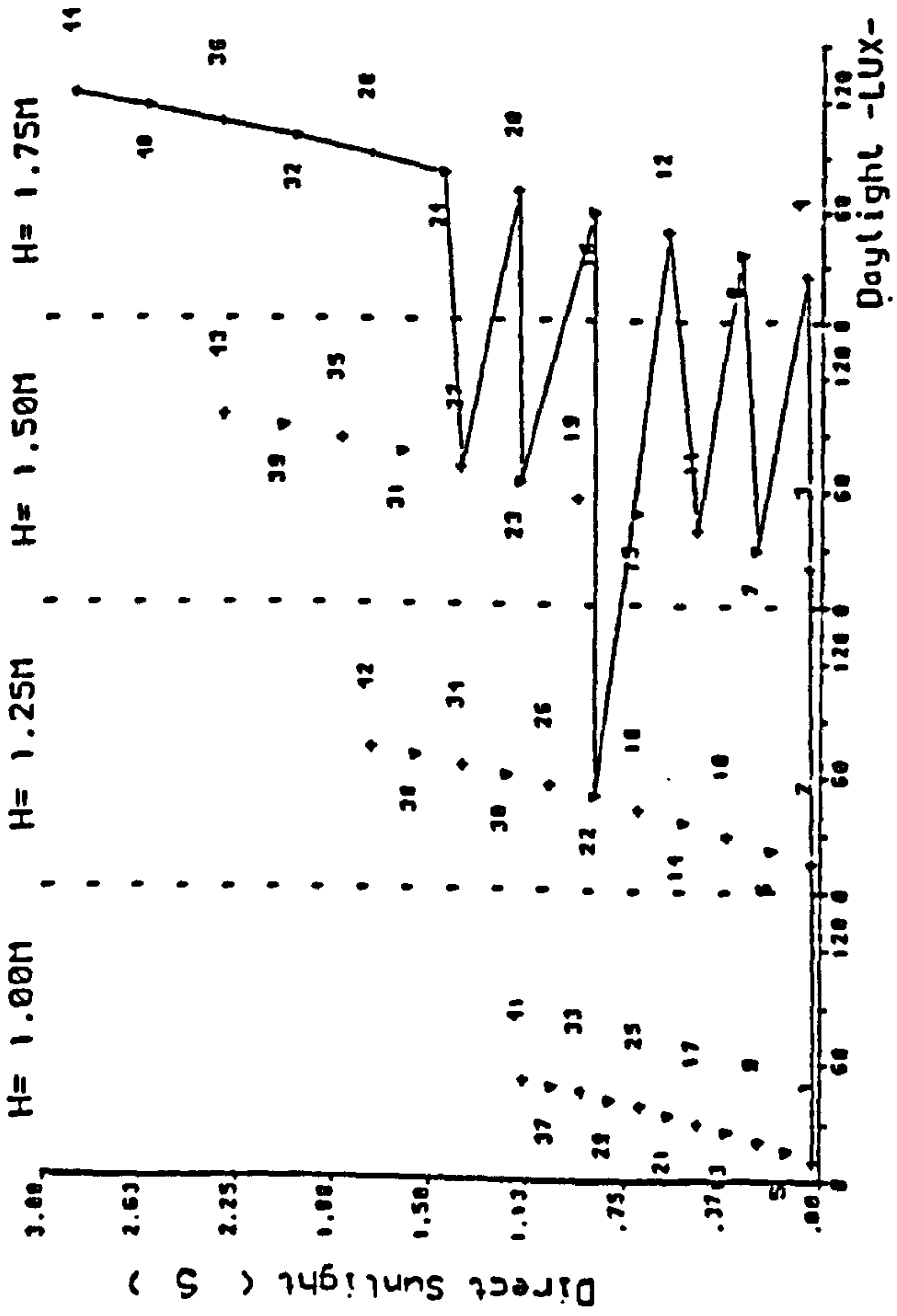
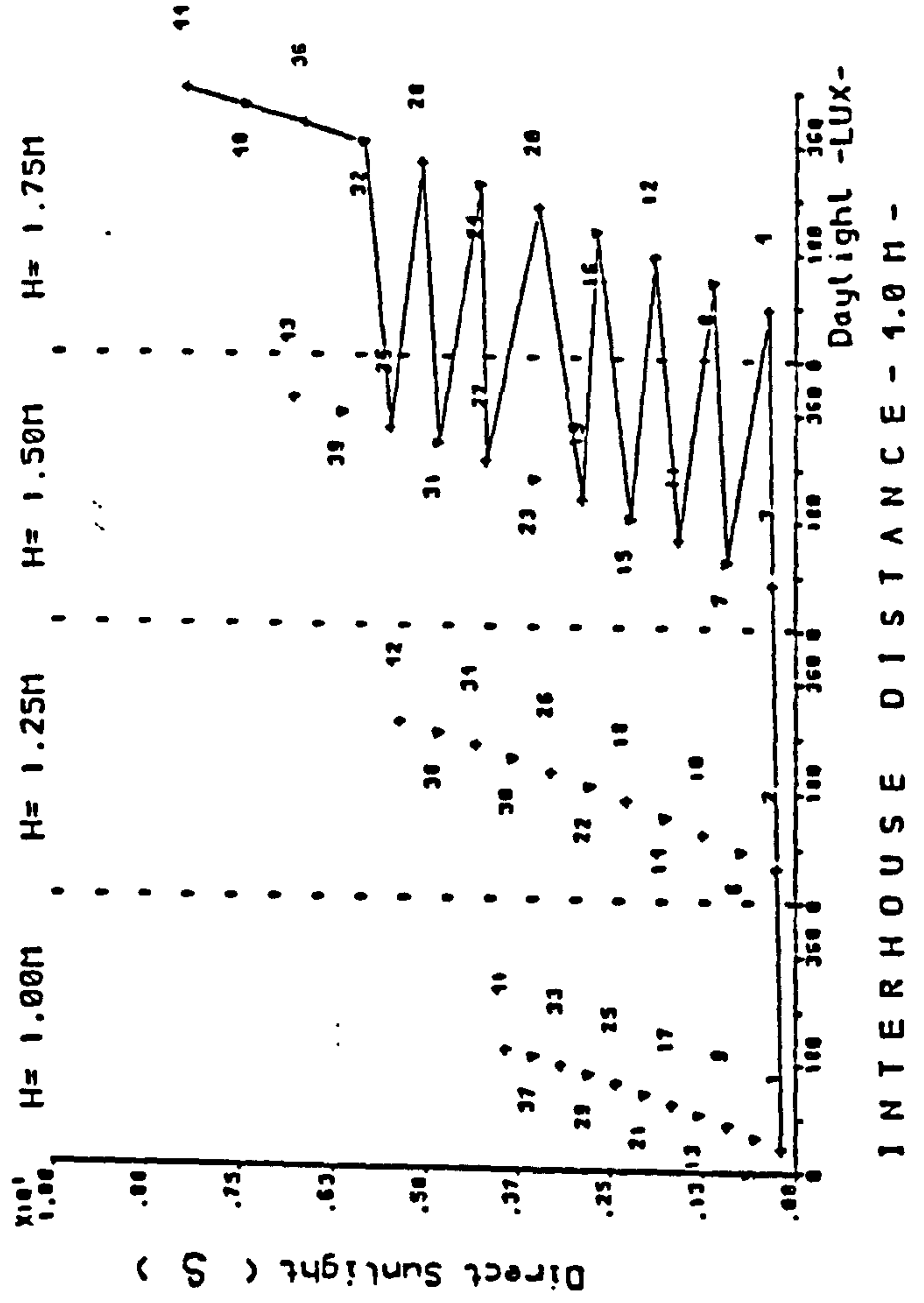
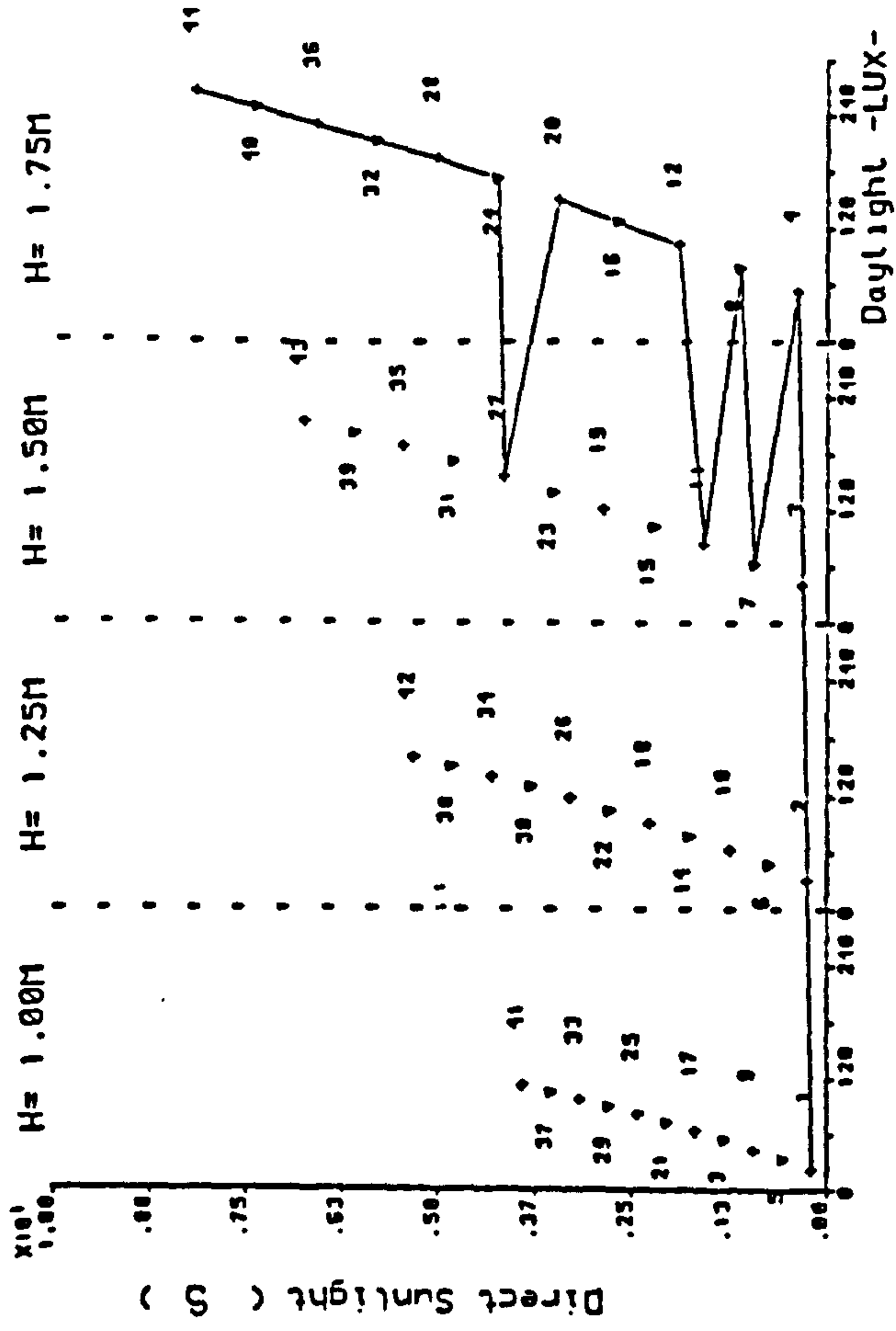


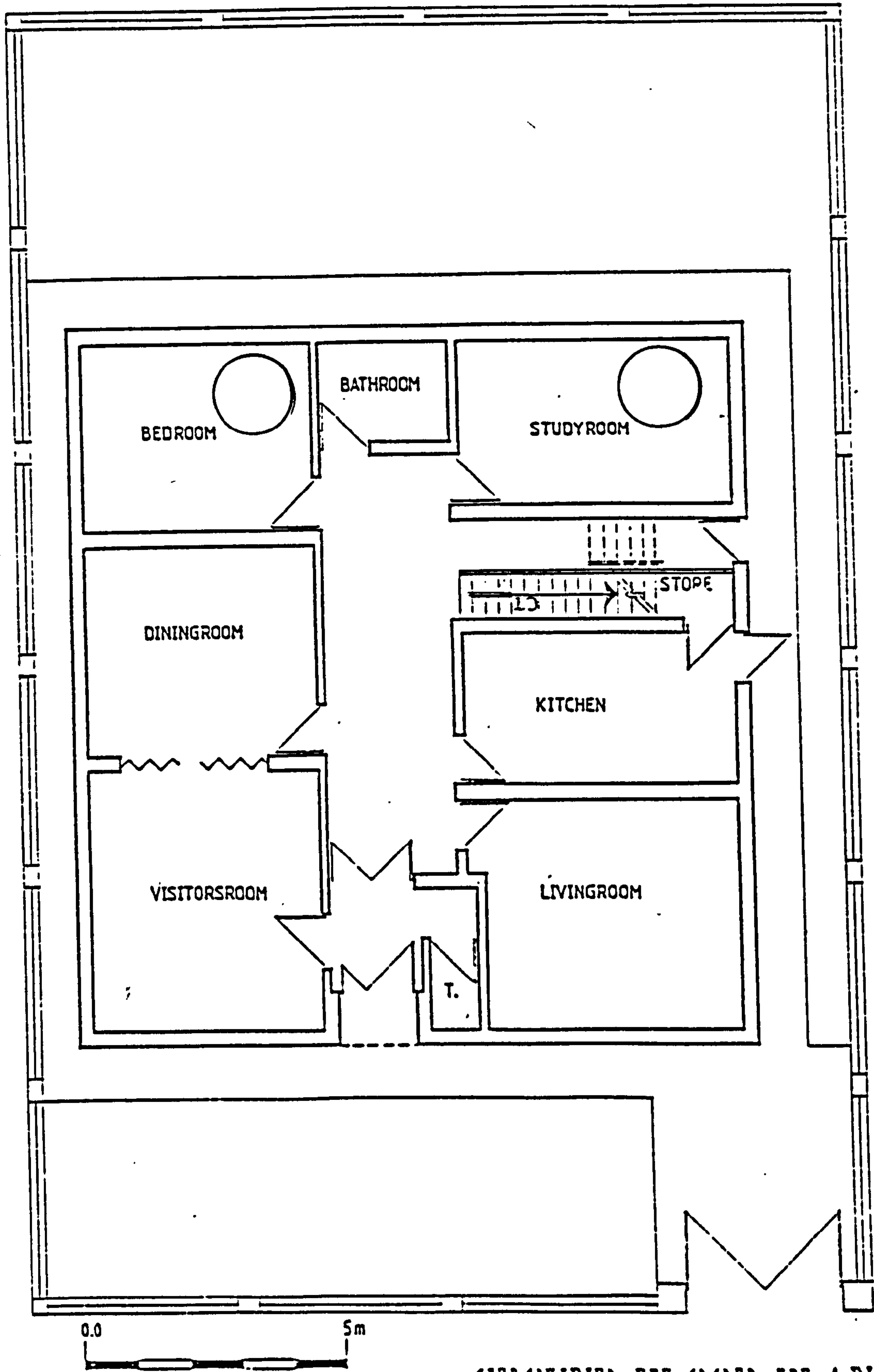




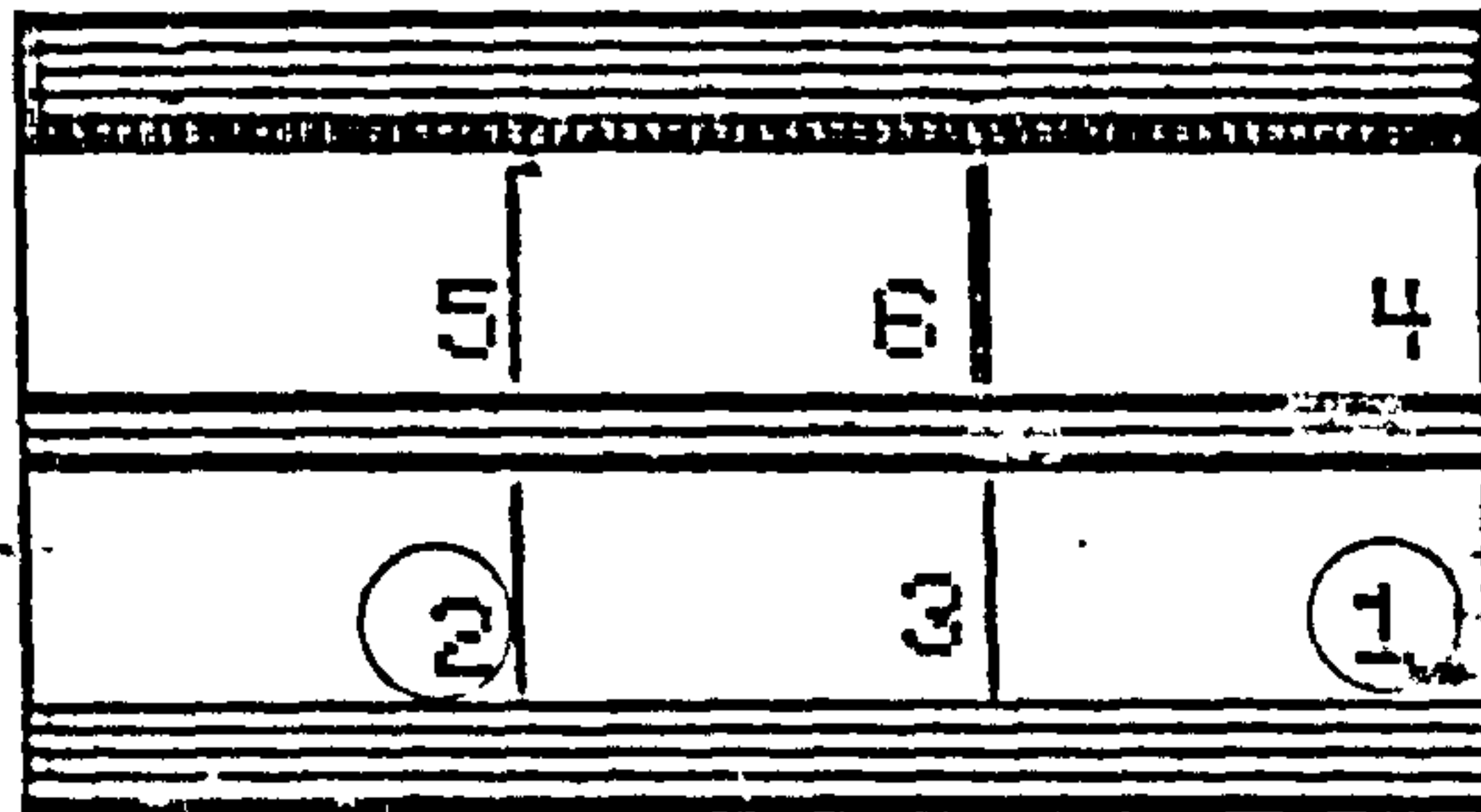








GROUND FLOOR PLAN



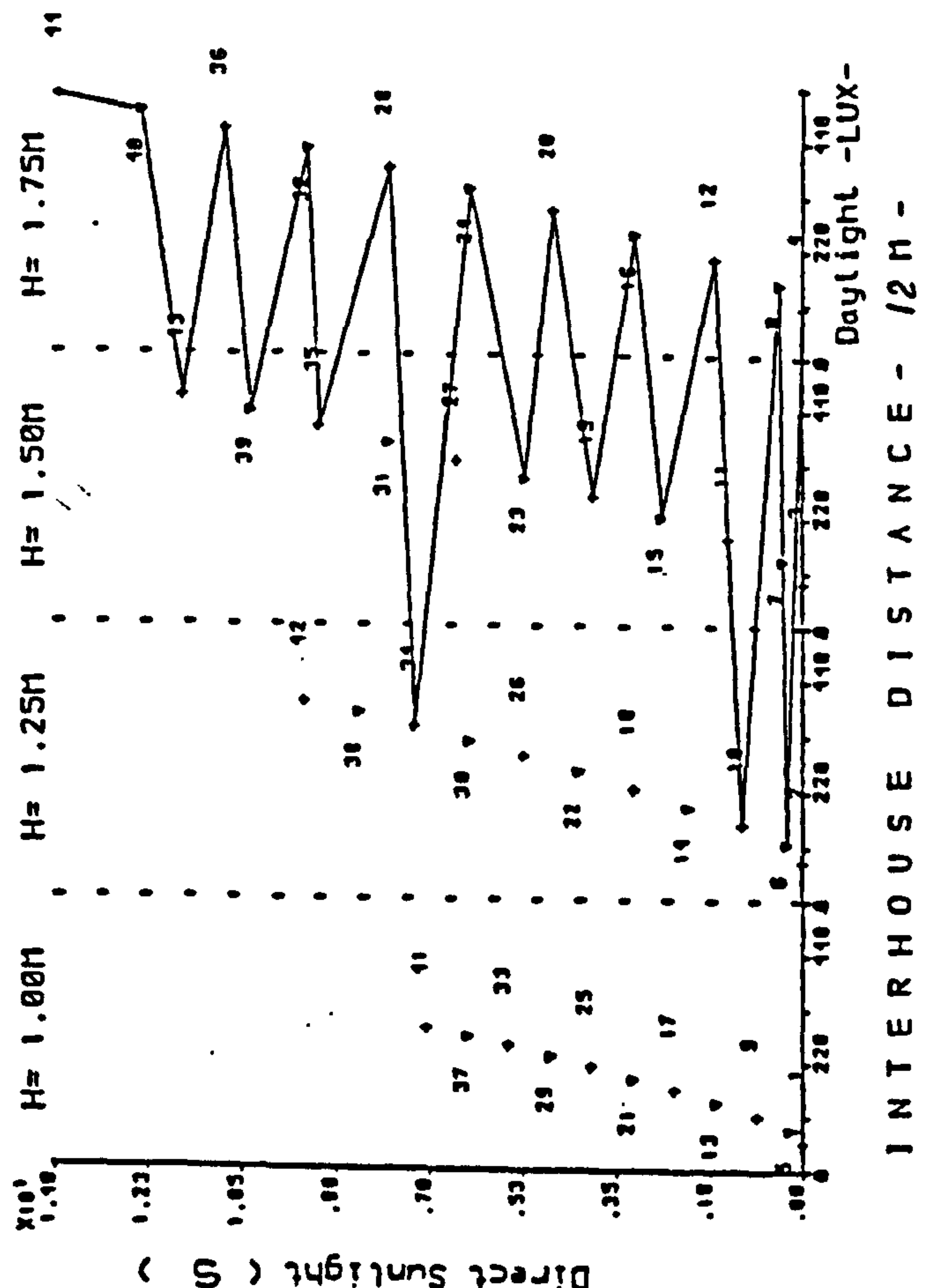
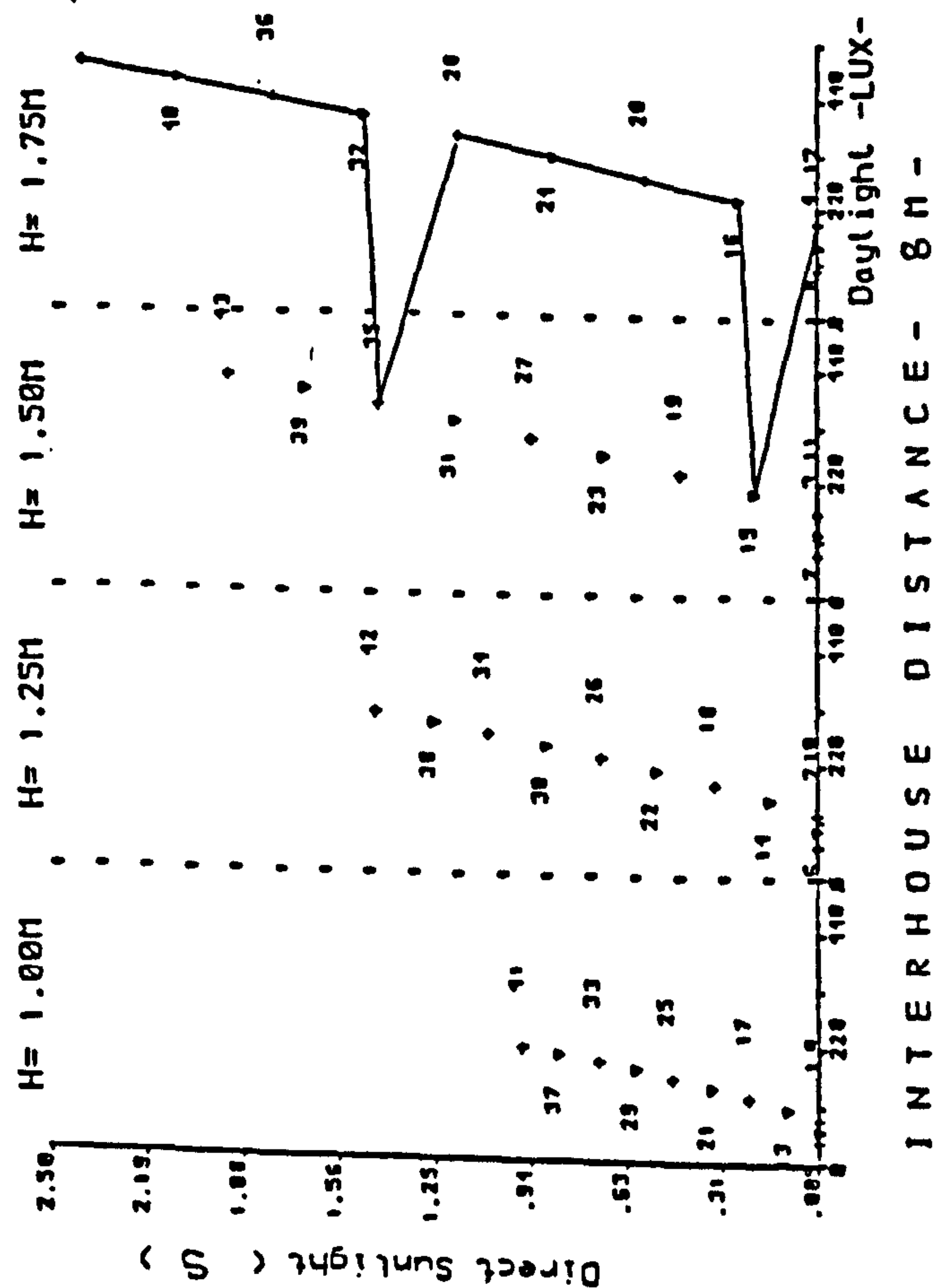
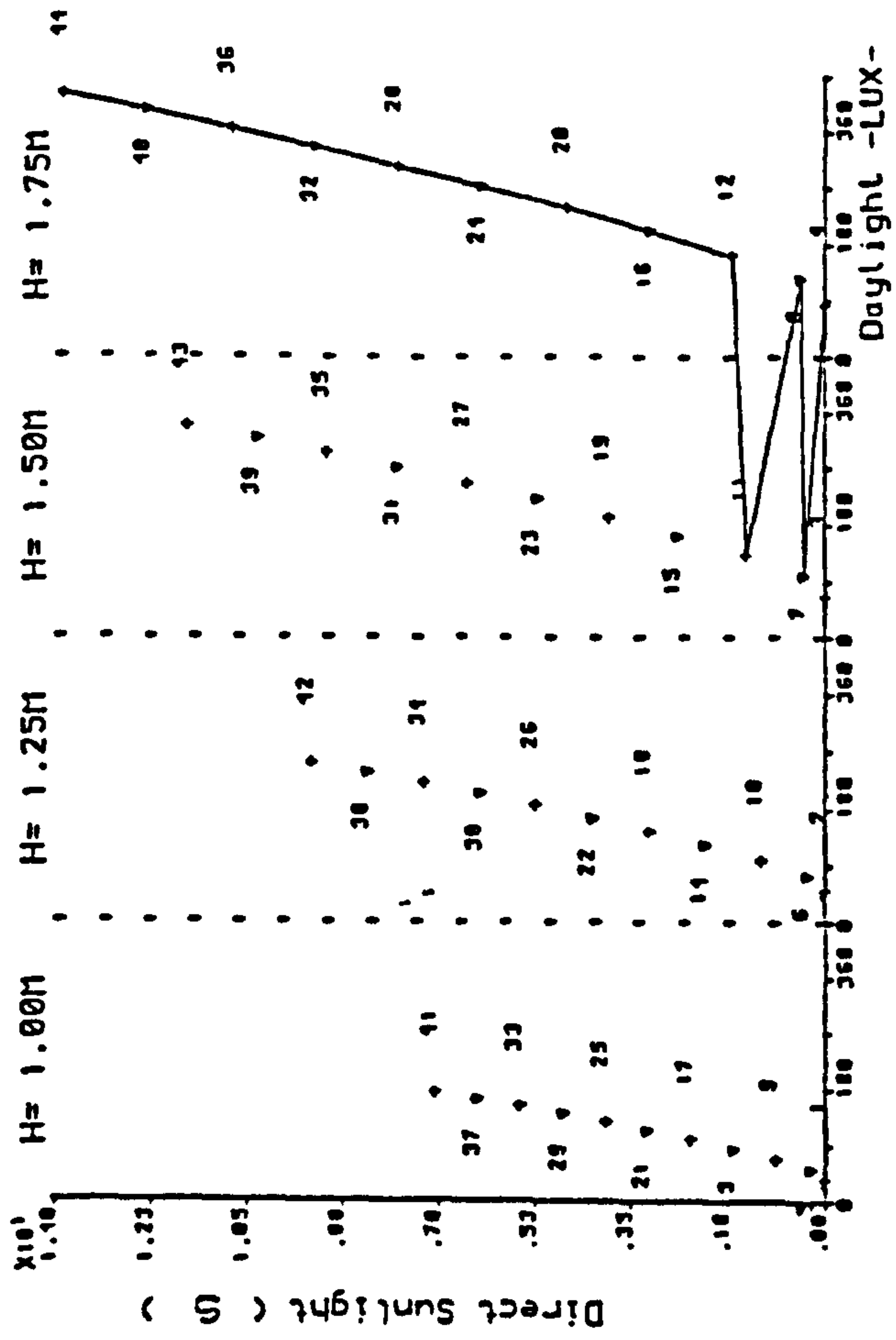
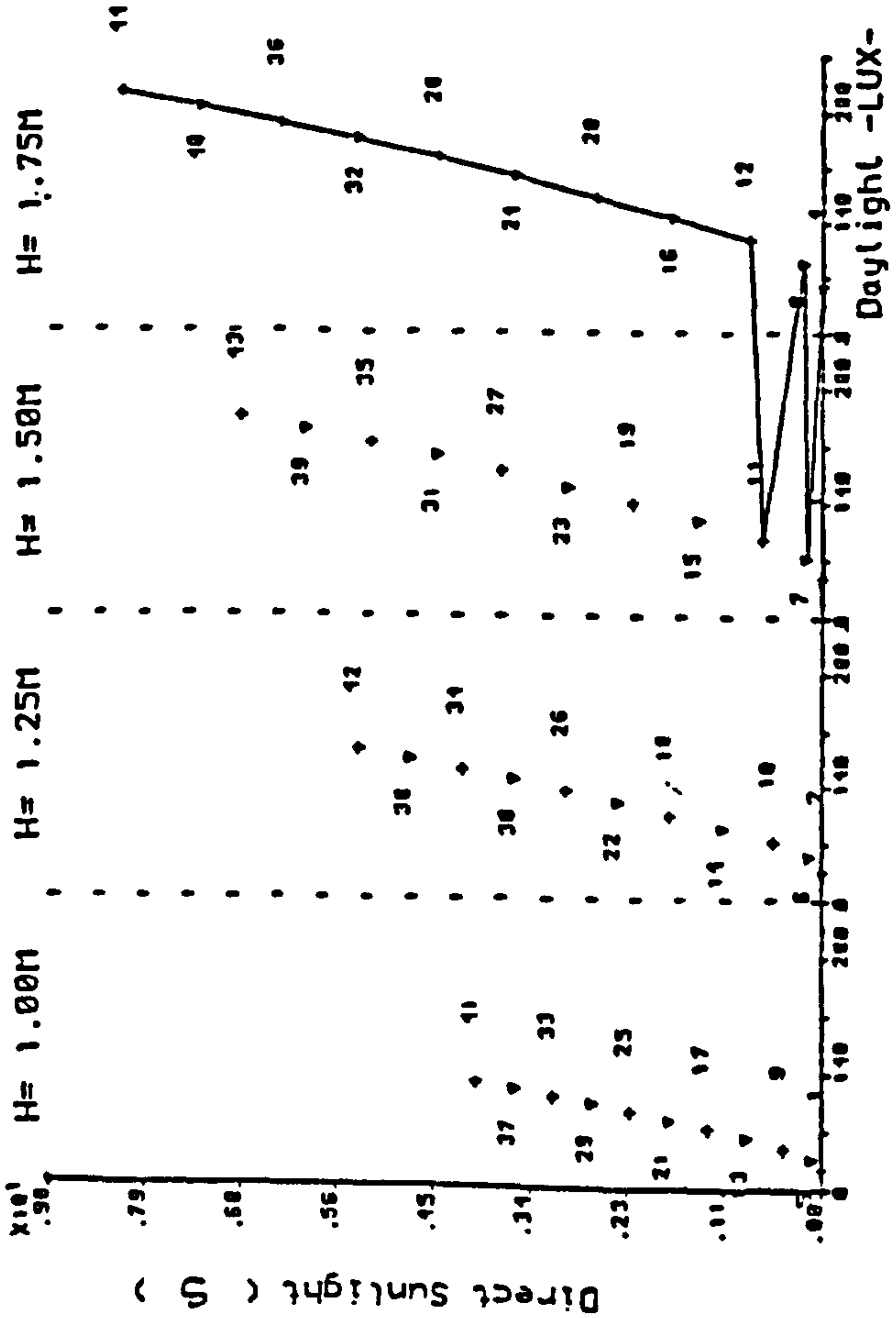
Key diagram showing the location  
of window data .

Back Wall  
2 Storey

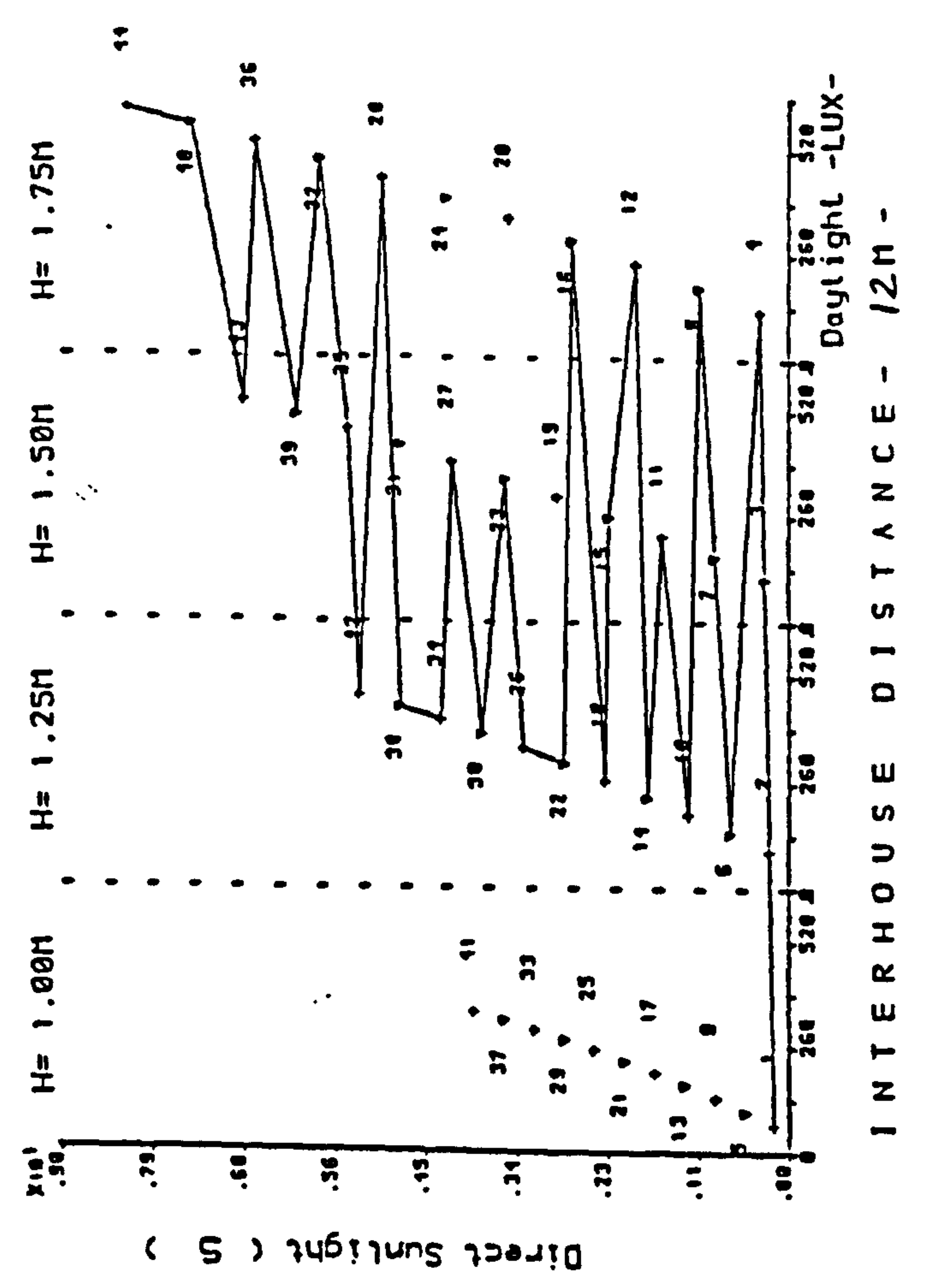
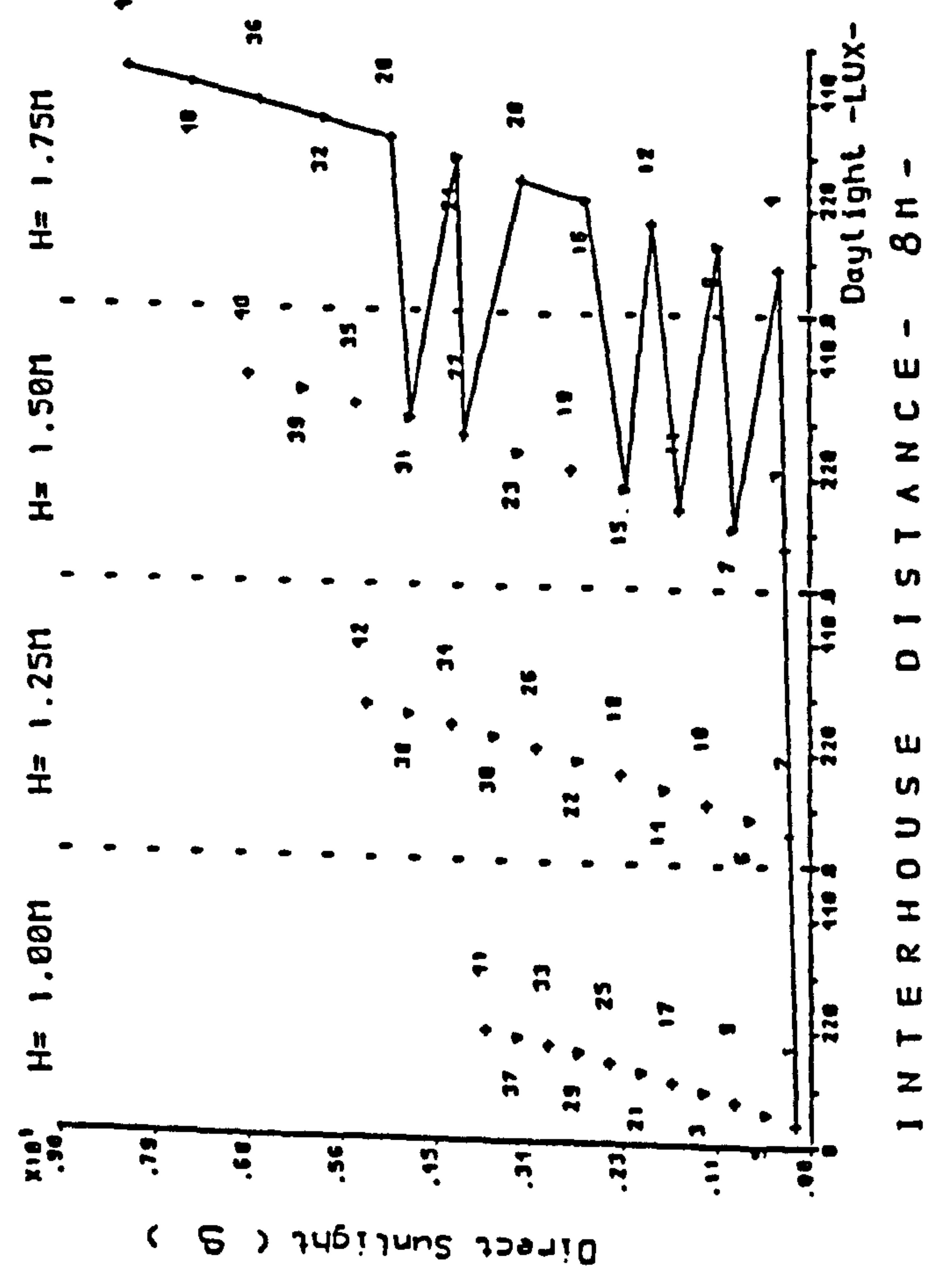
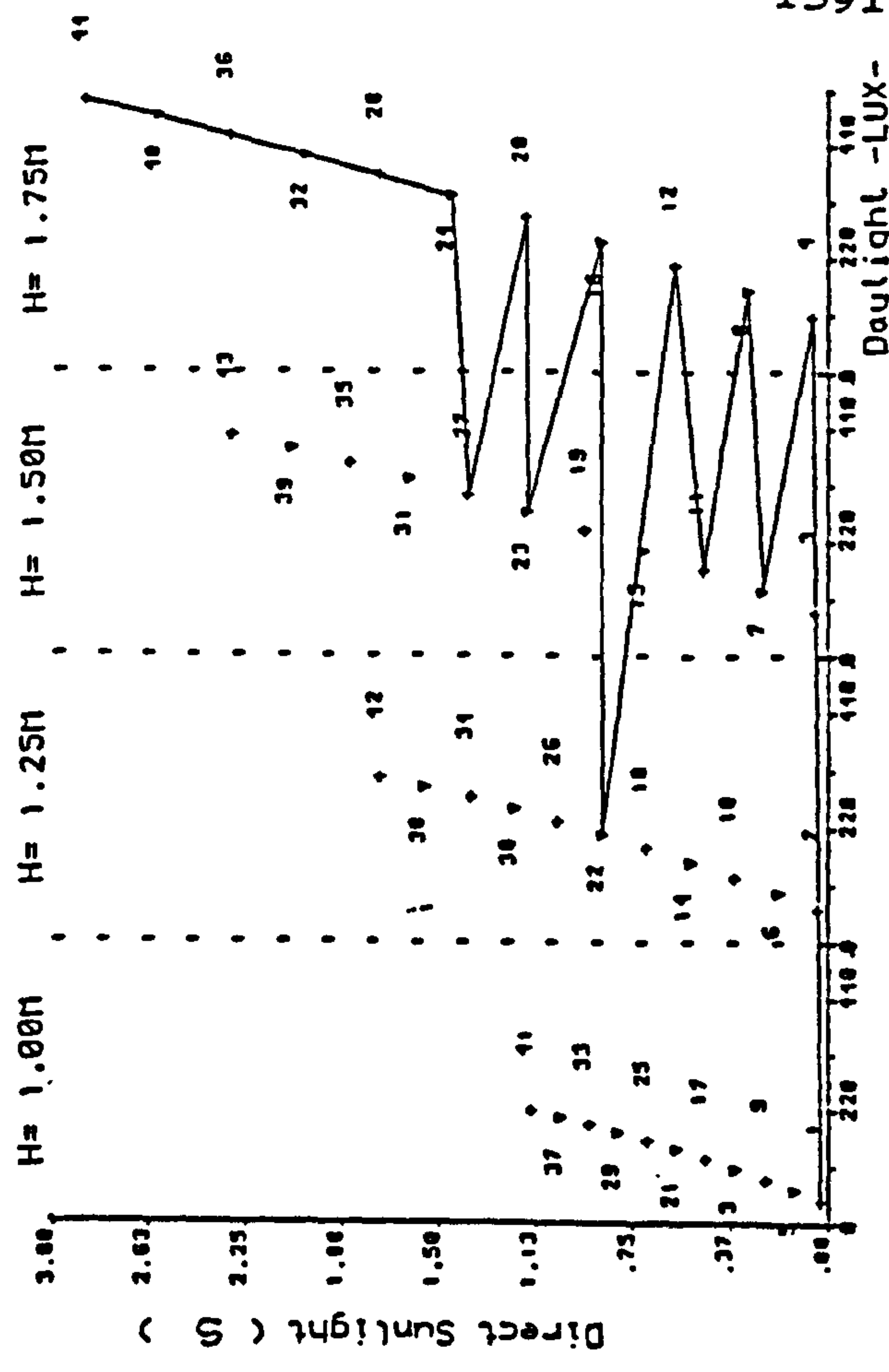
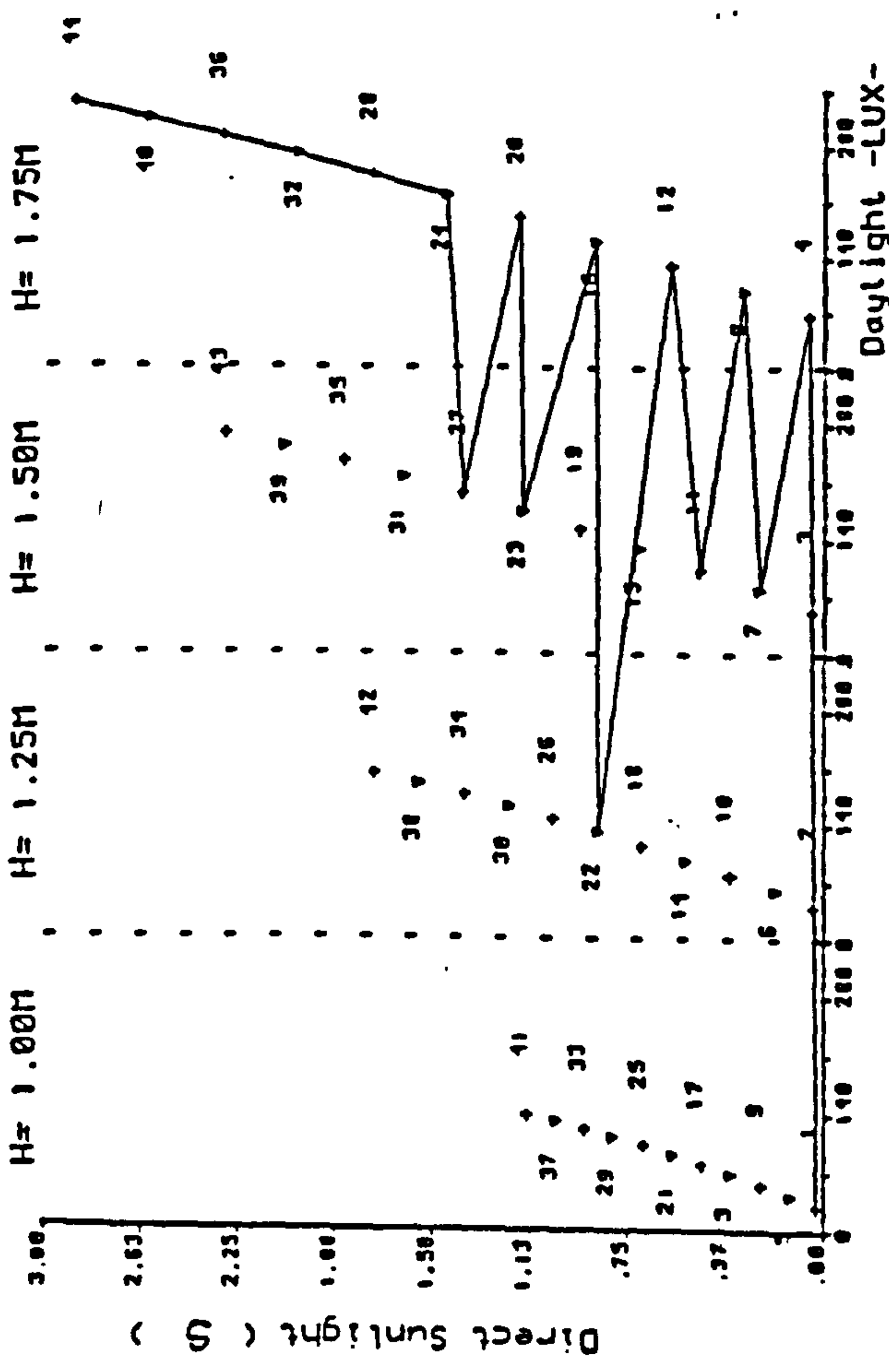
Interhouse Distance

4, 6, 8 and 12m.

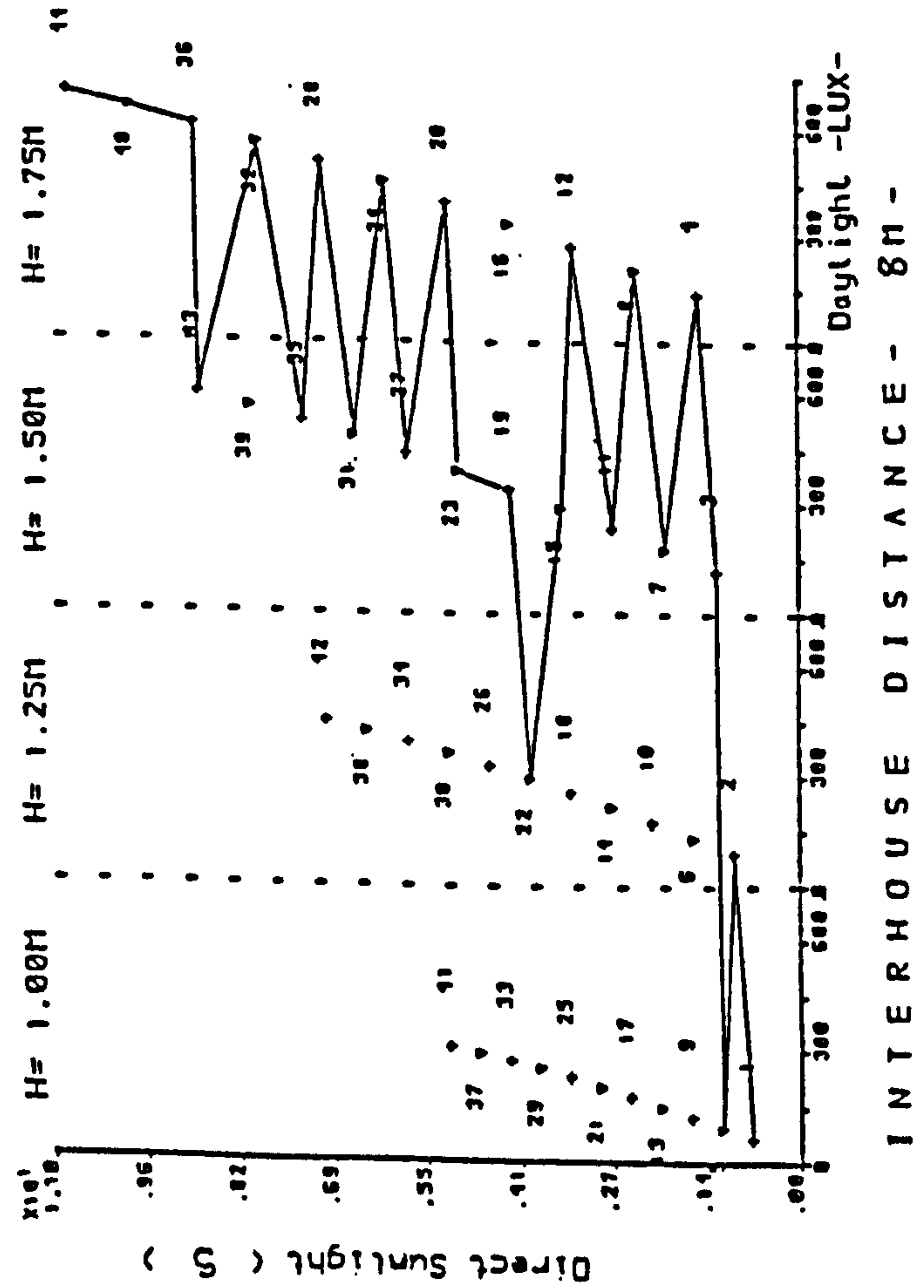
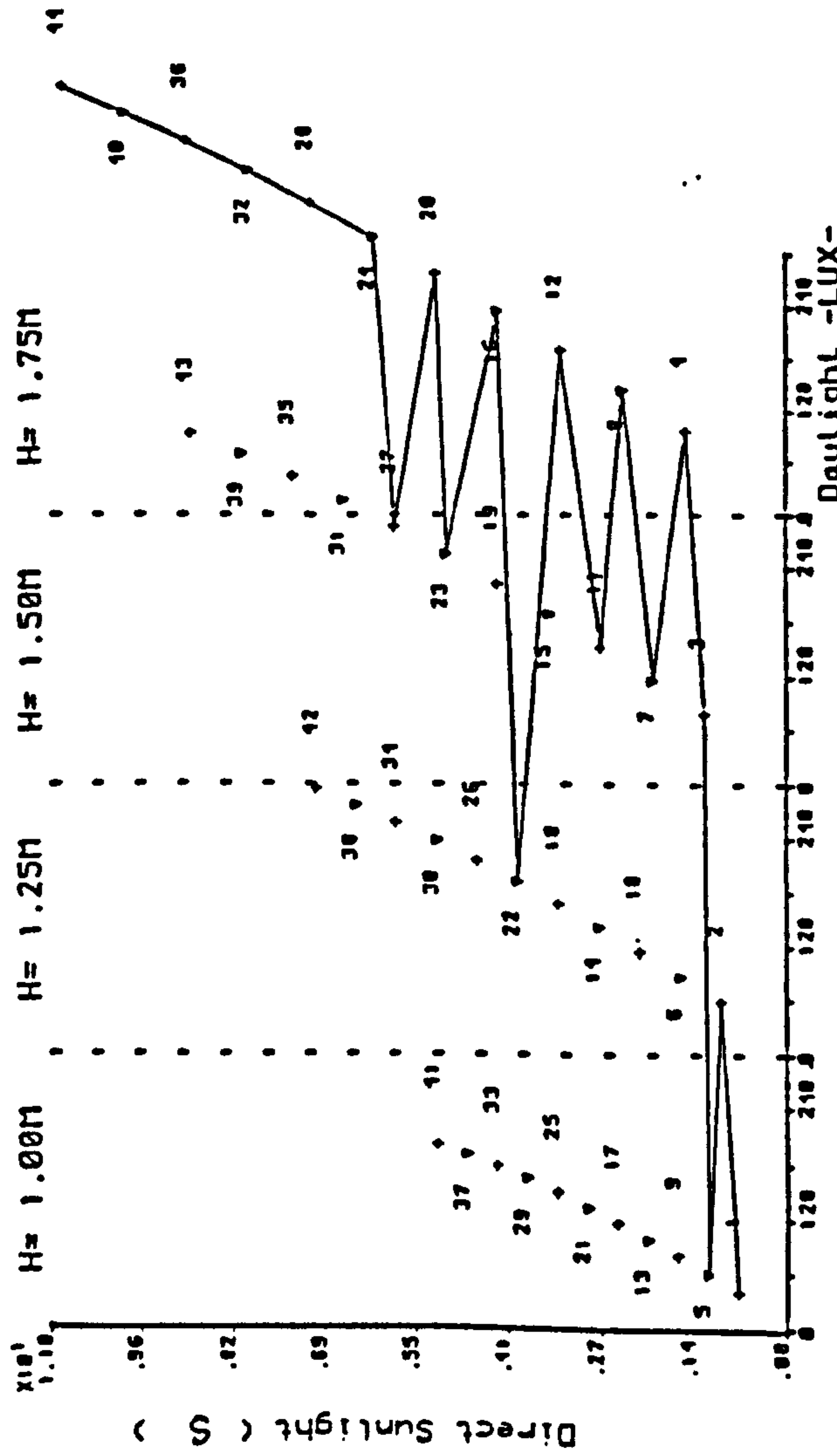
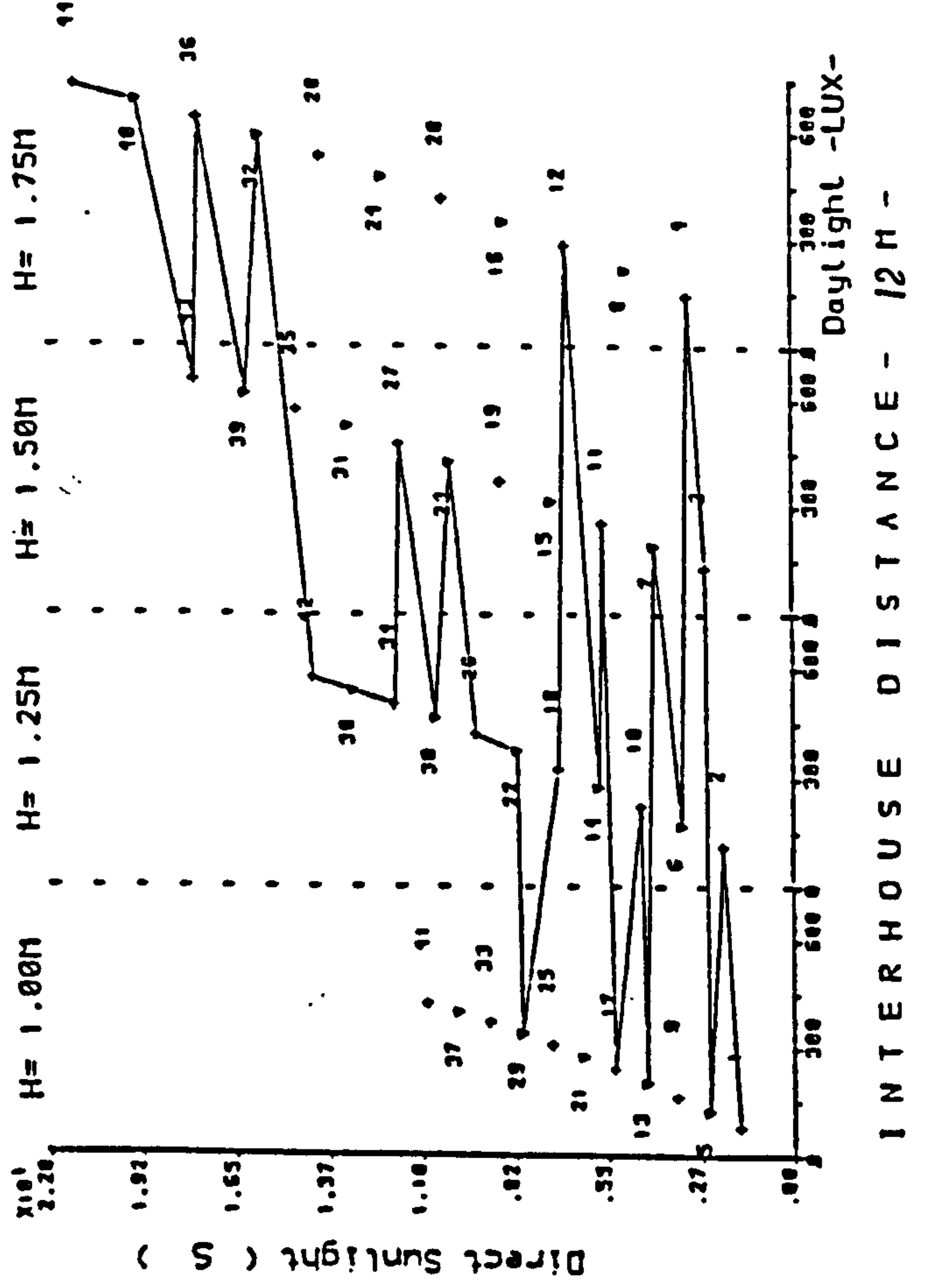
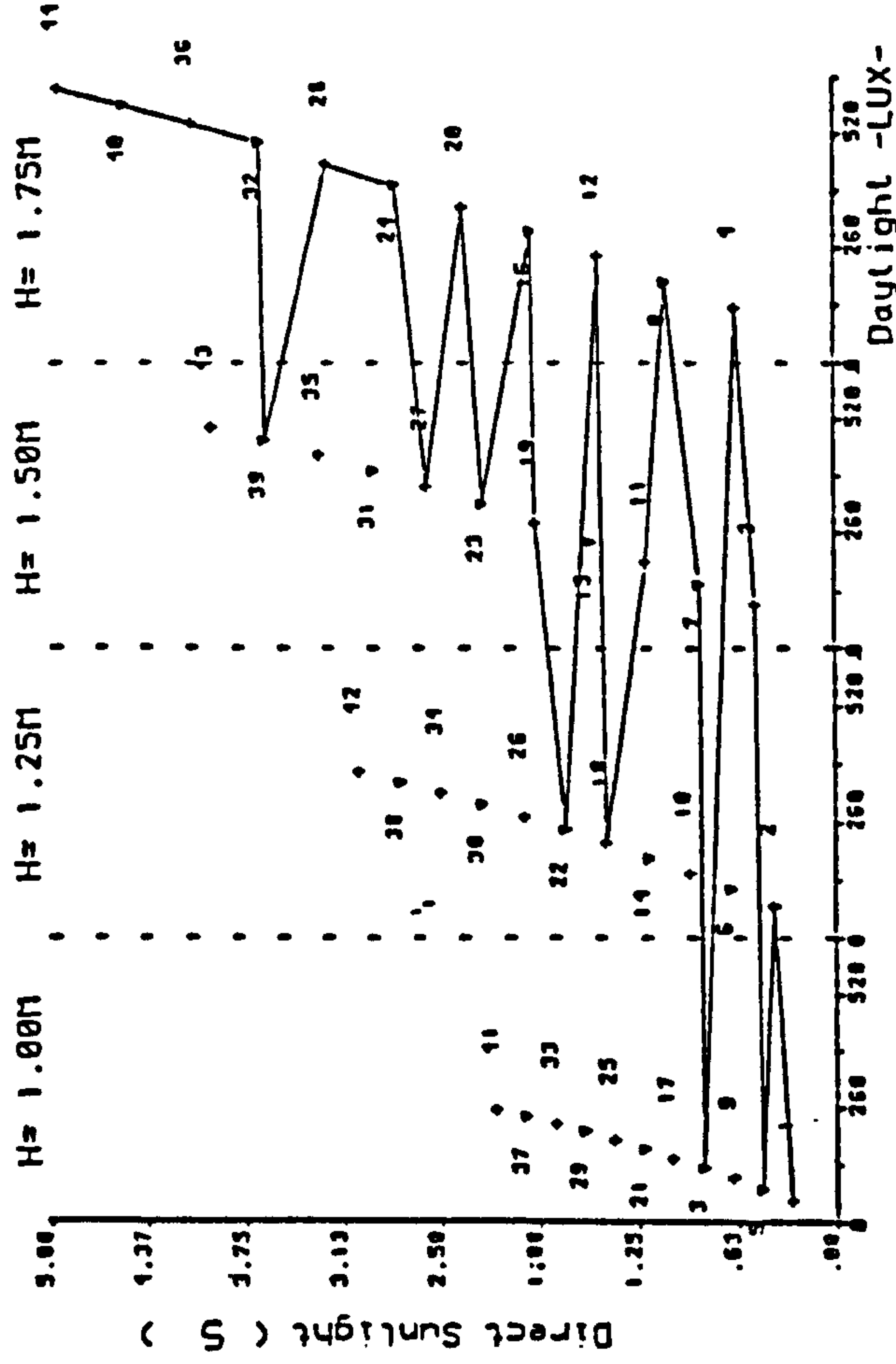
ORIENTATION	PAGE NO.
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45	1592
67.5	1593
90	1594
112.5	1595
135	1596
157.5	1597
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202.5	1599
225	1600
247.5	1601
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292.5	1603
315	1604
337.5	1605

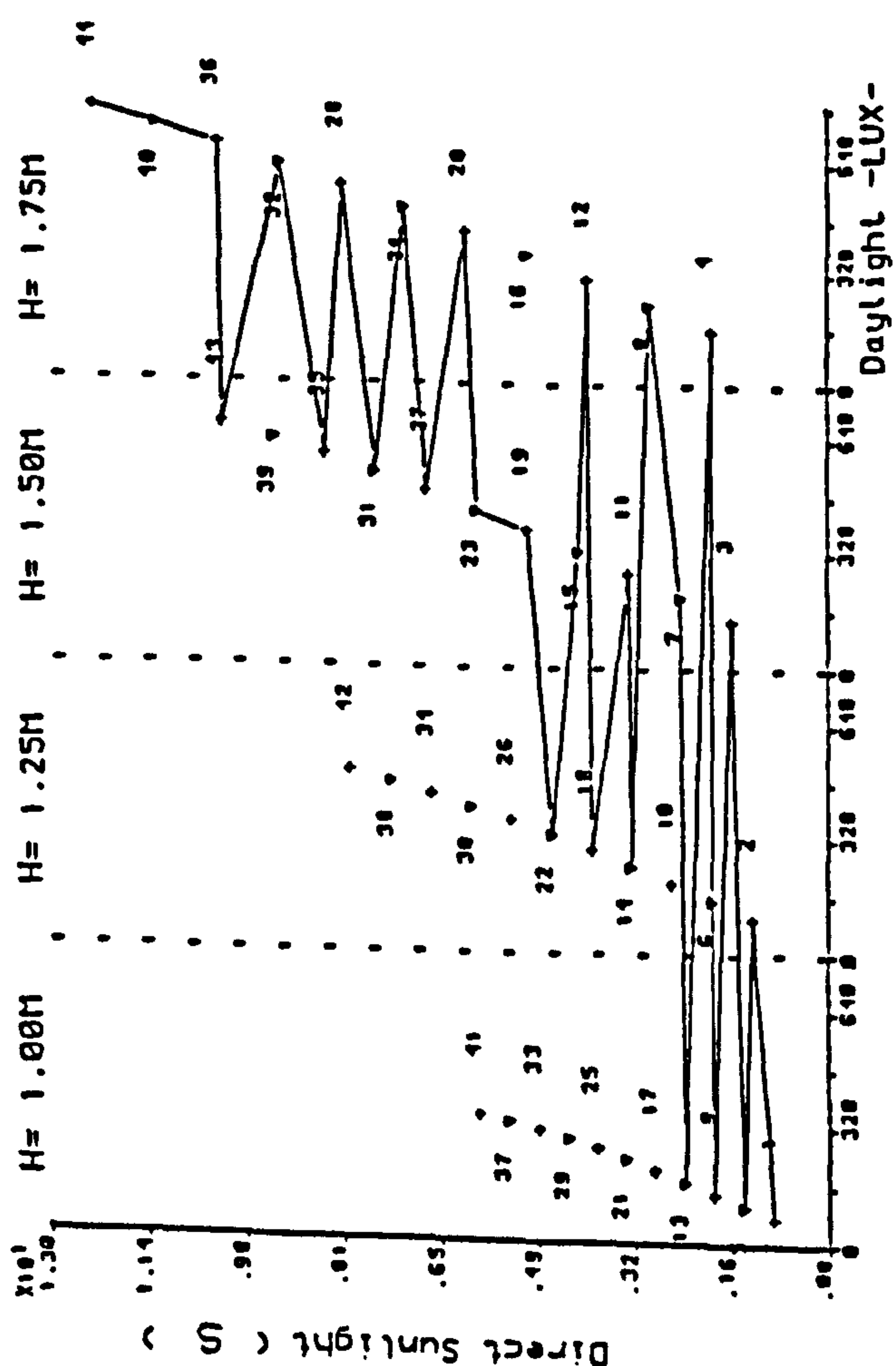
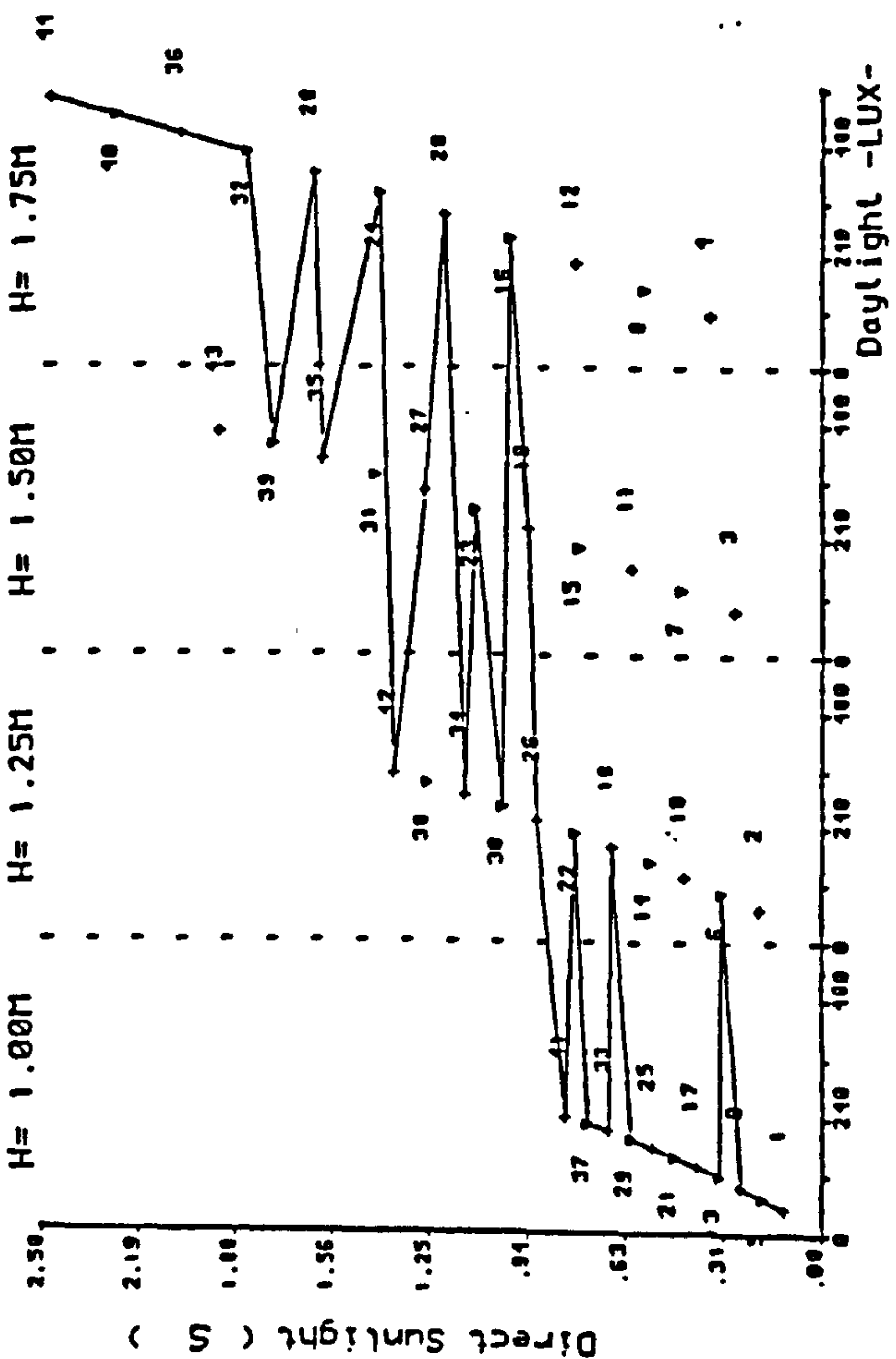
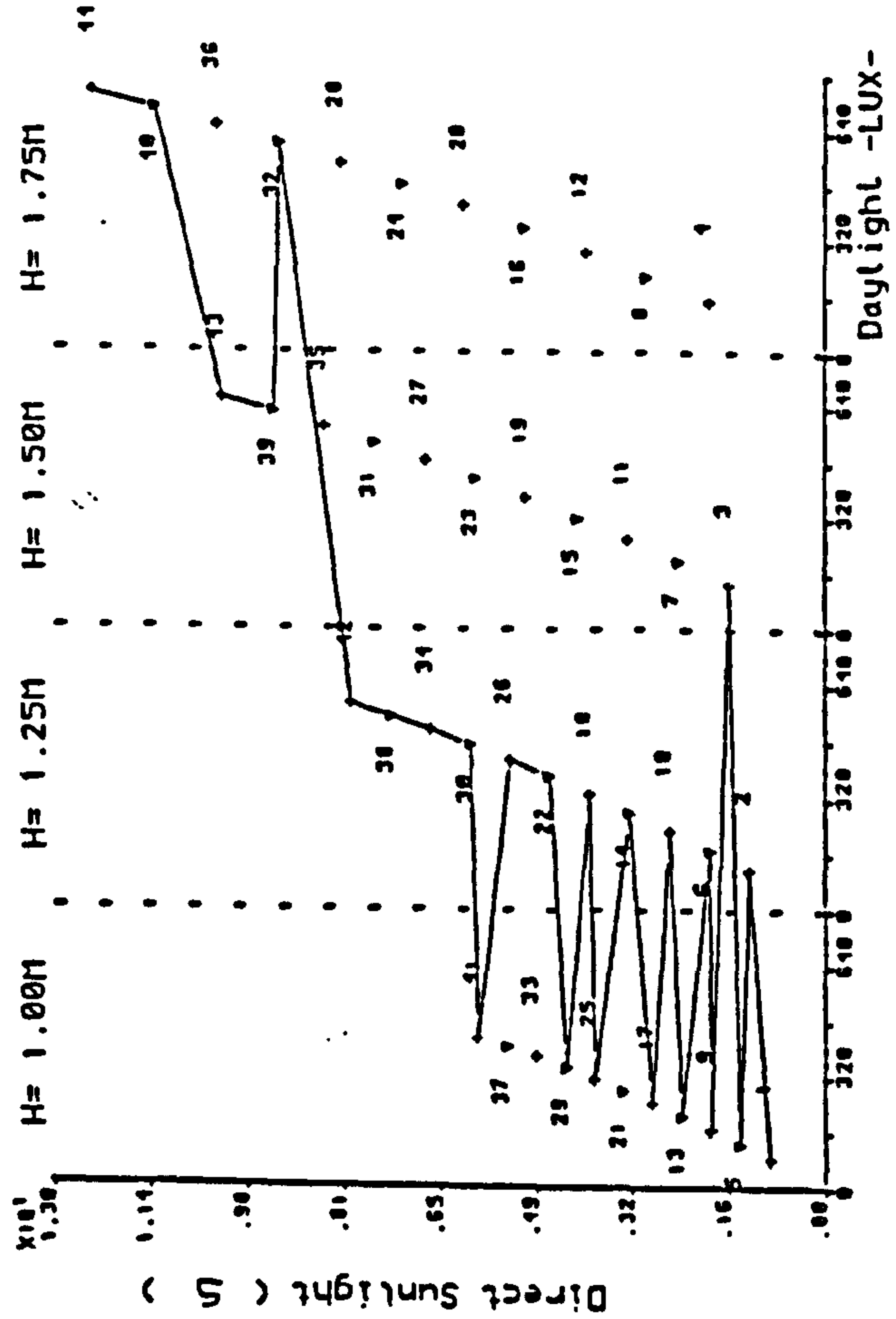
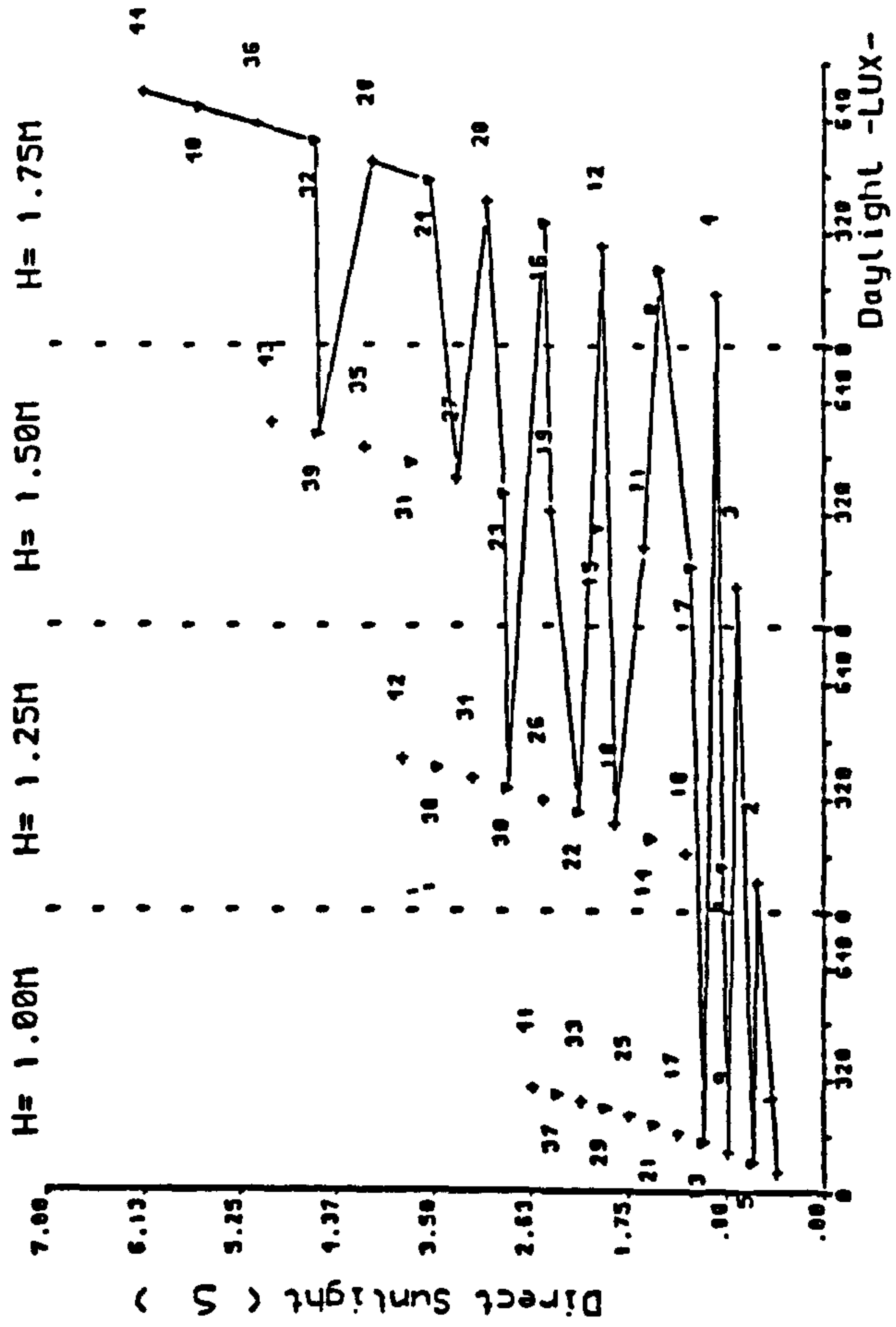






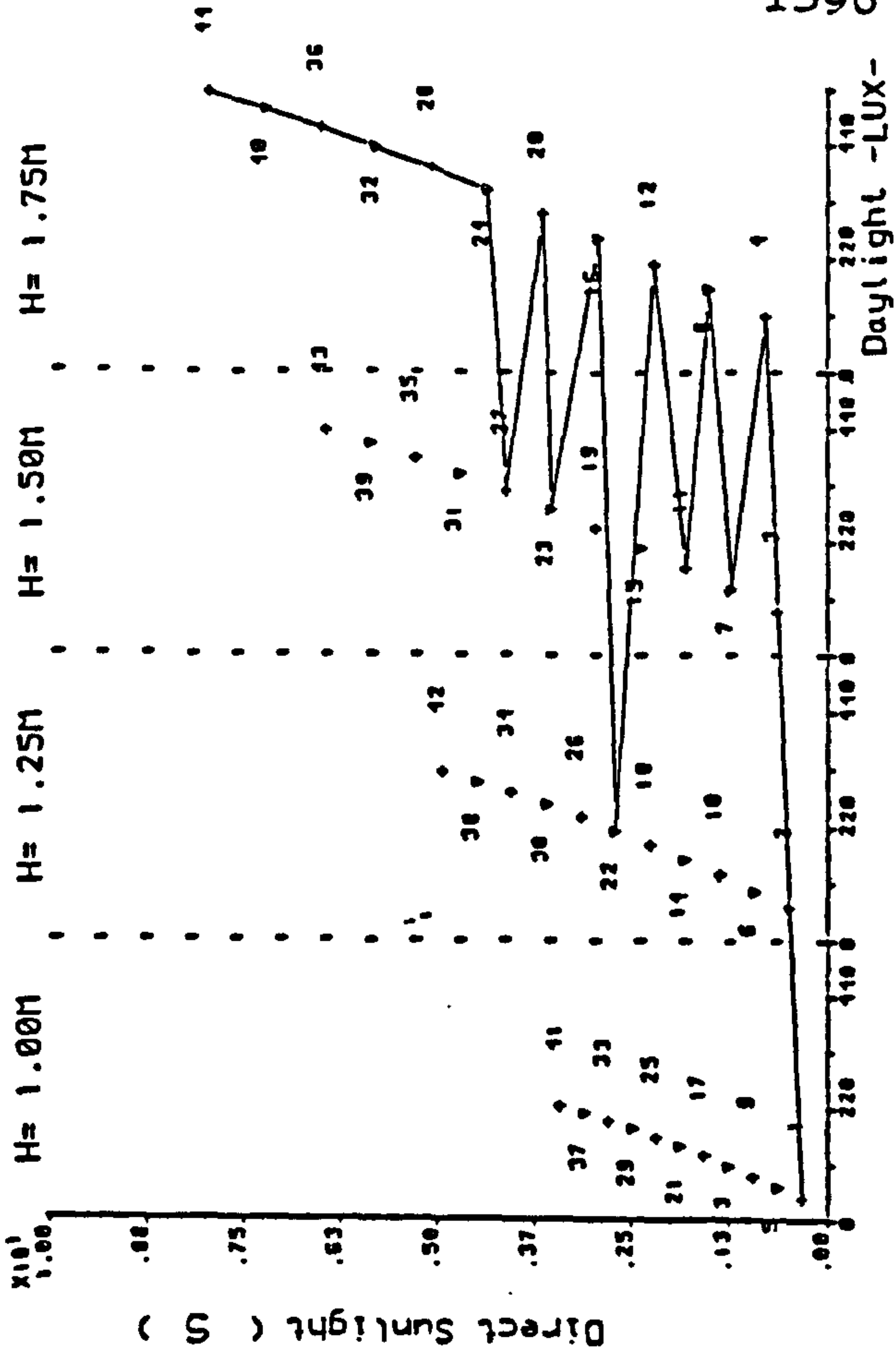
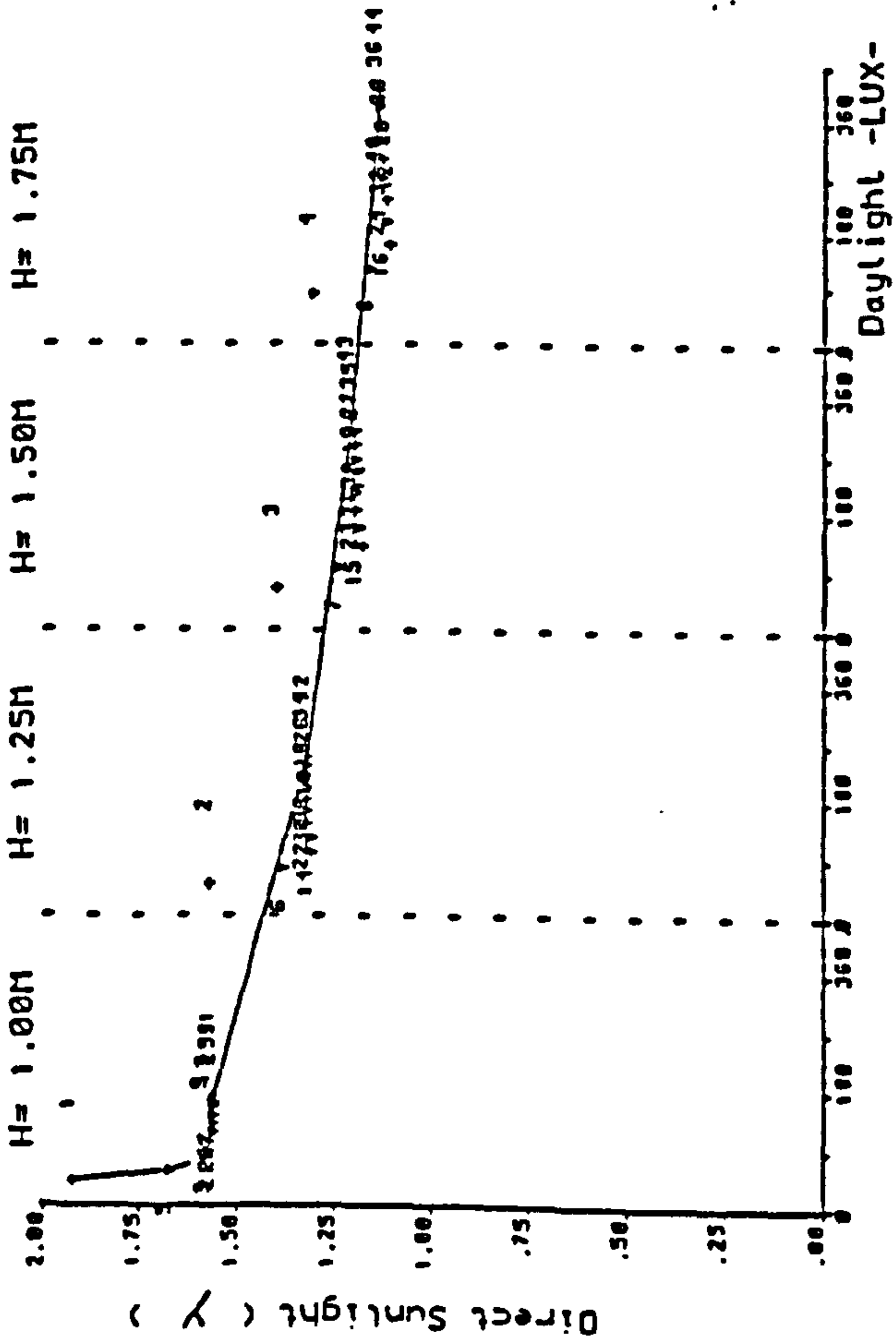






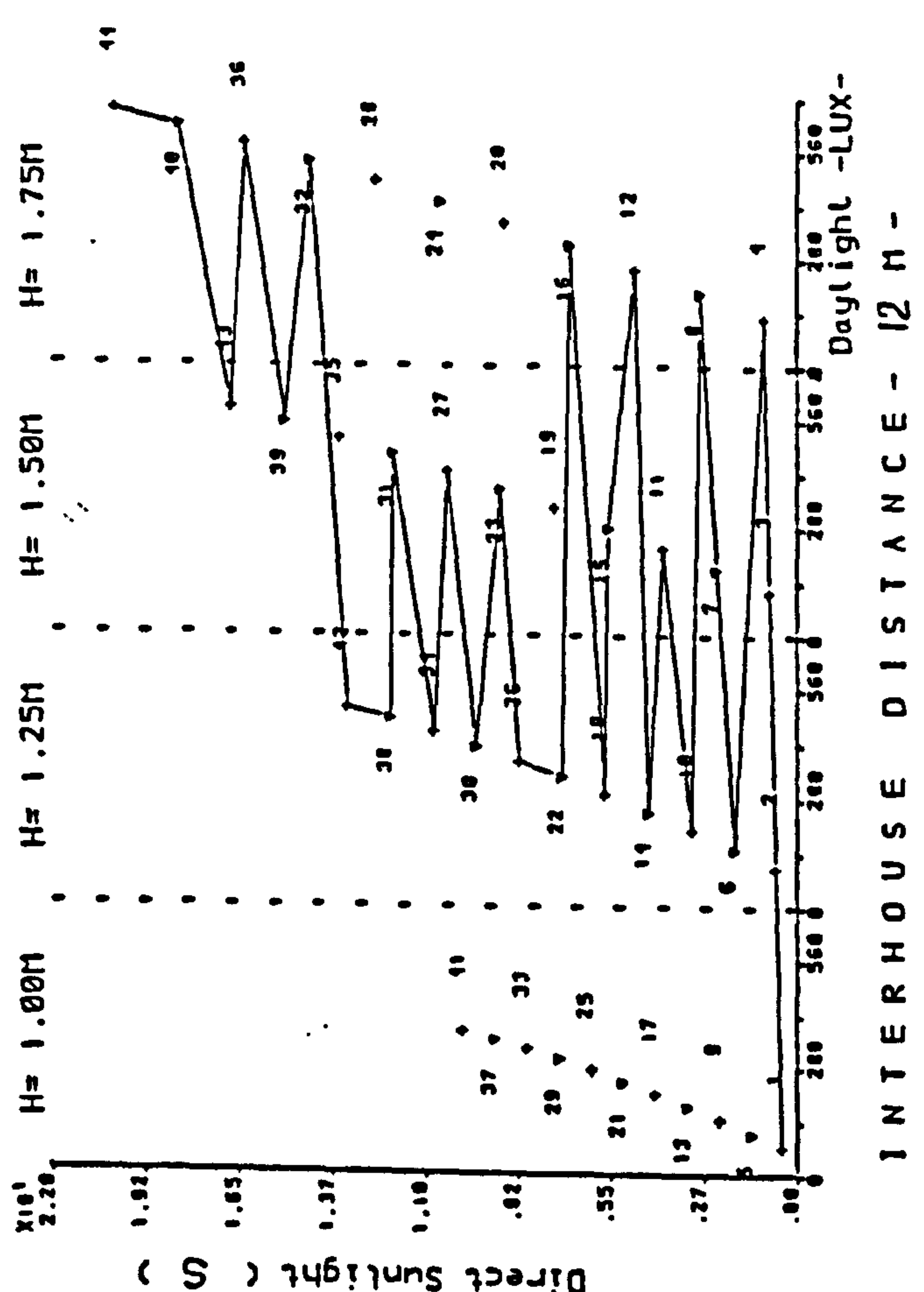
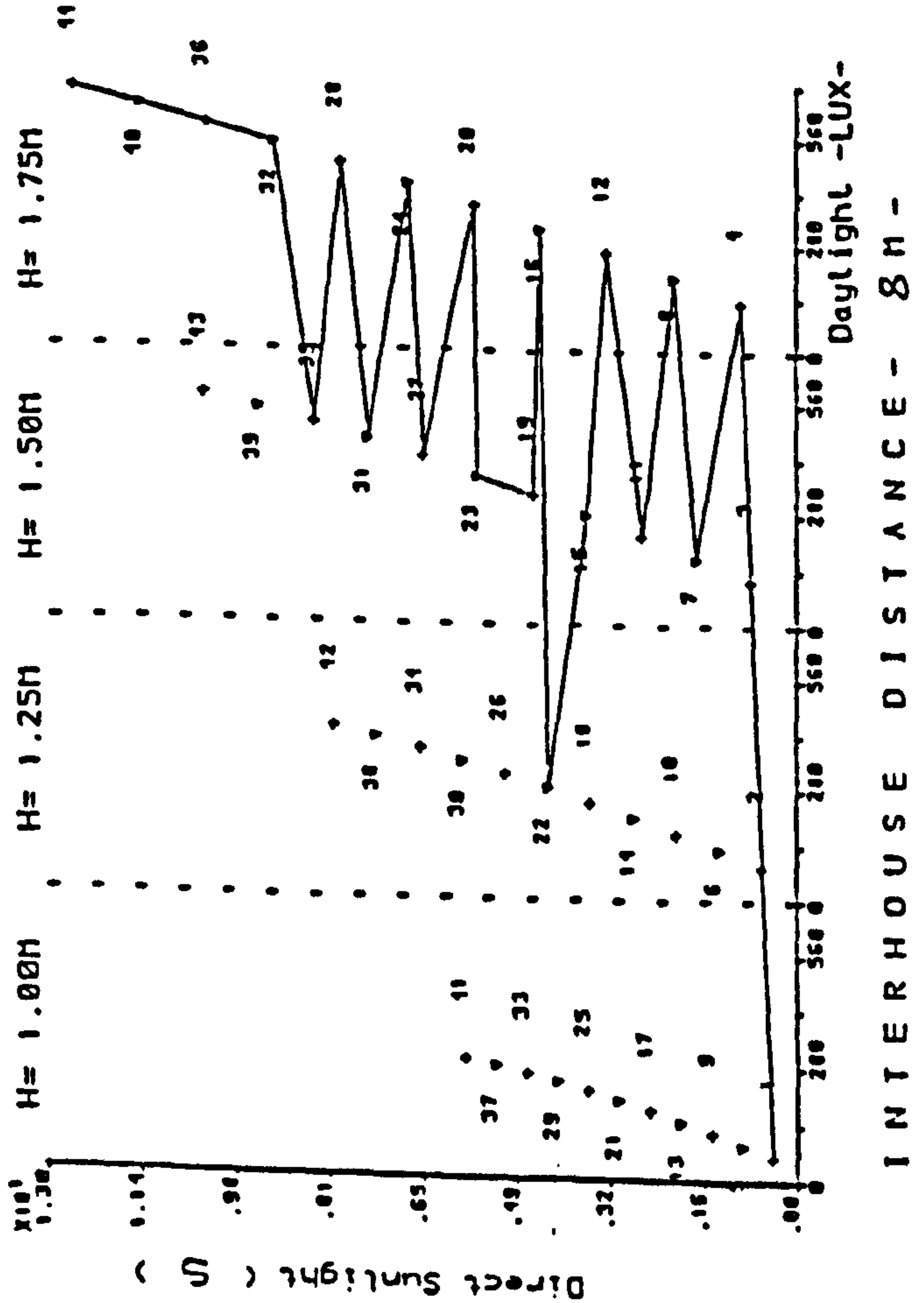






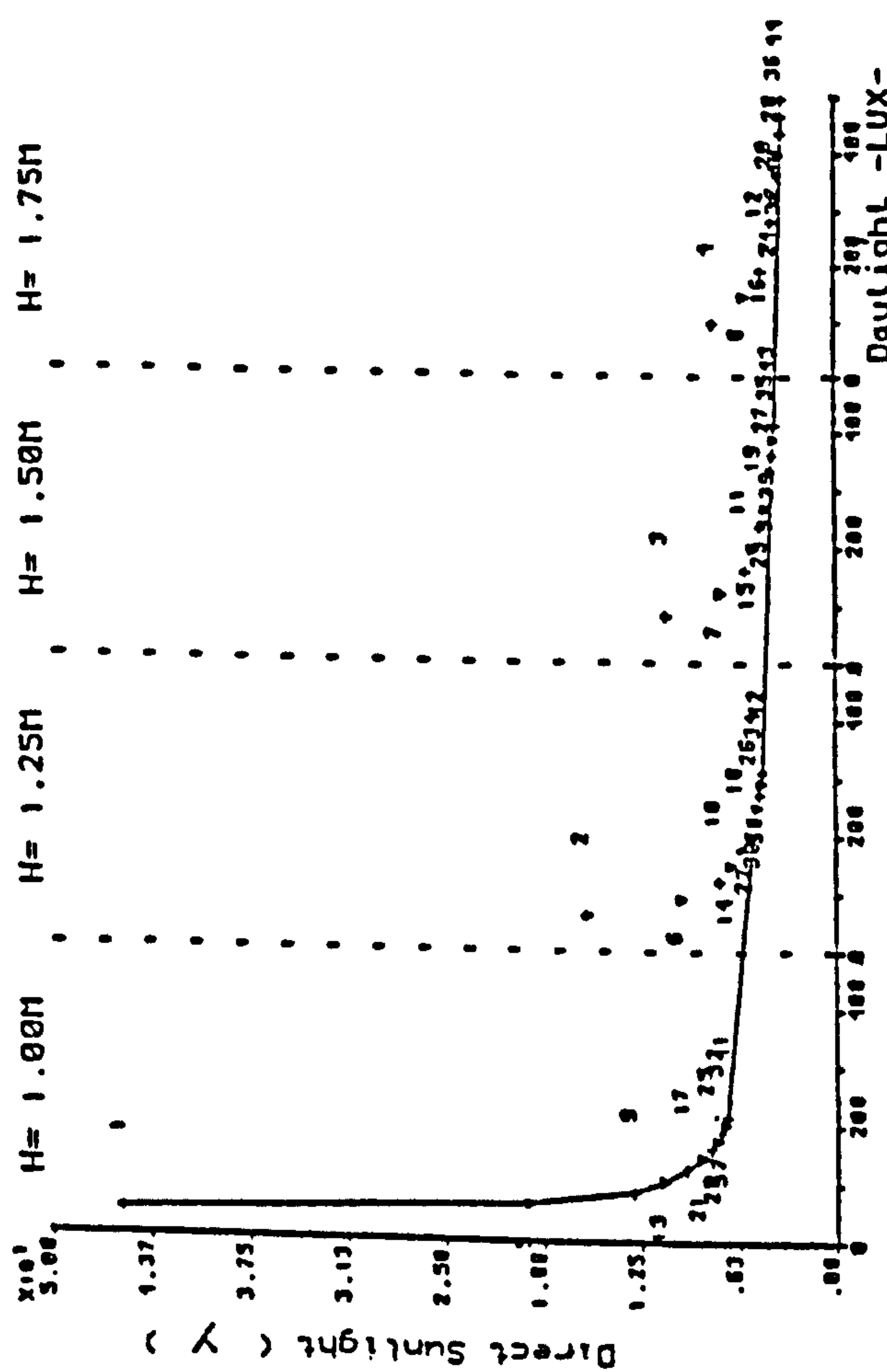
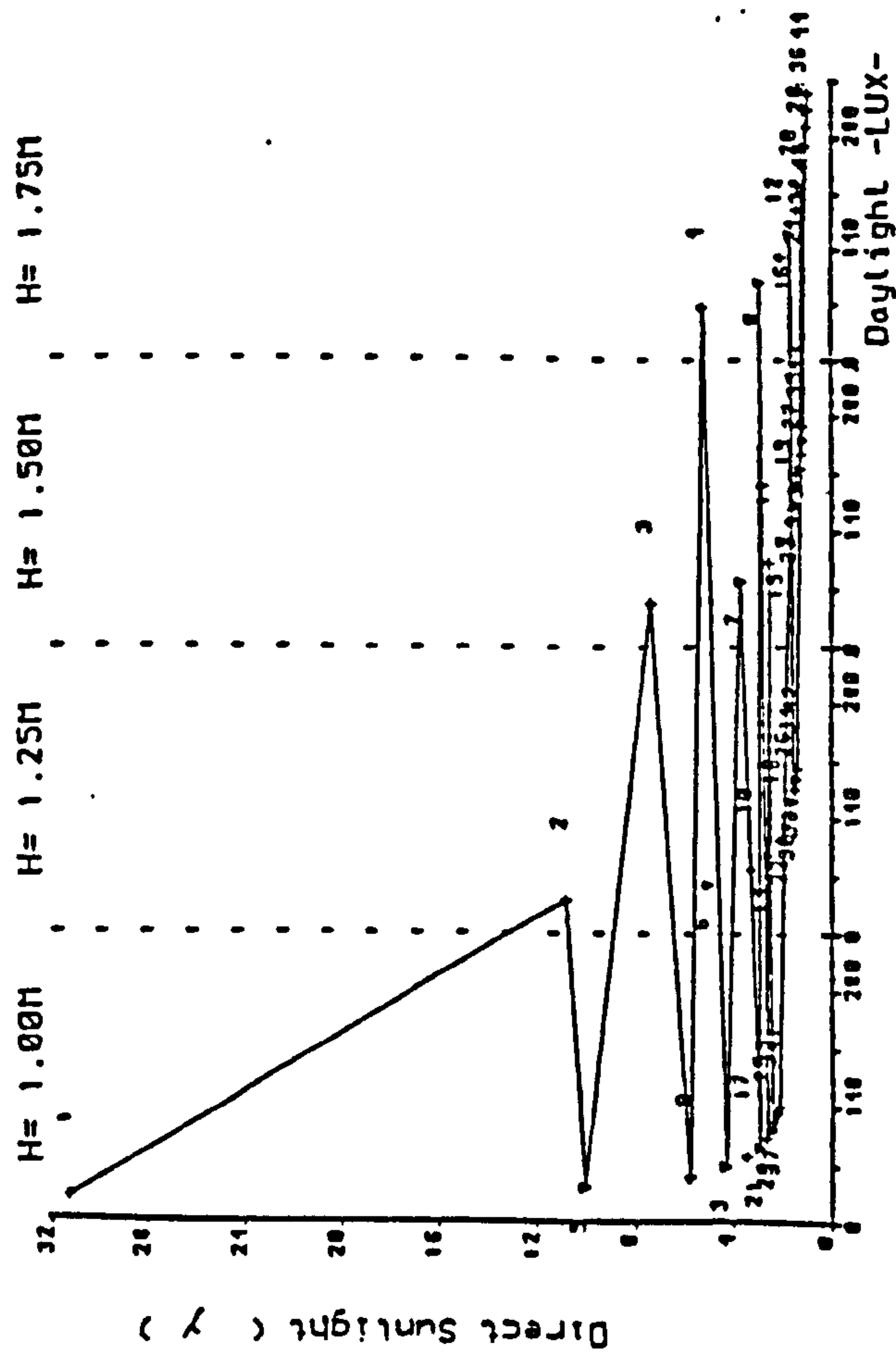
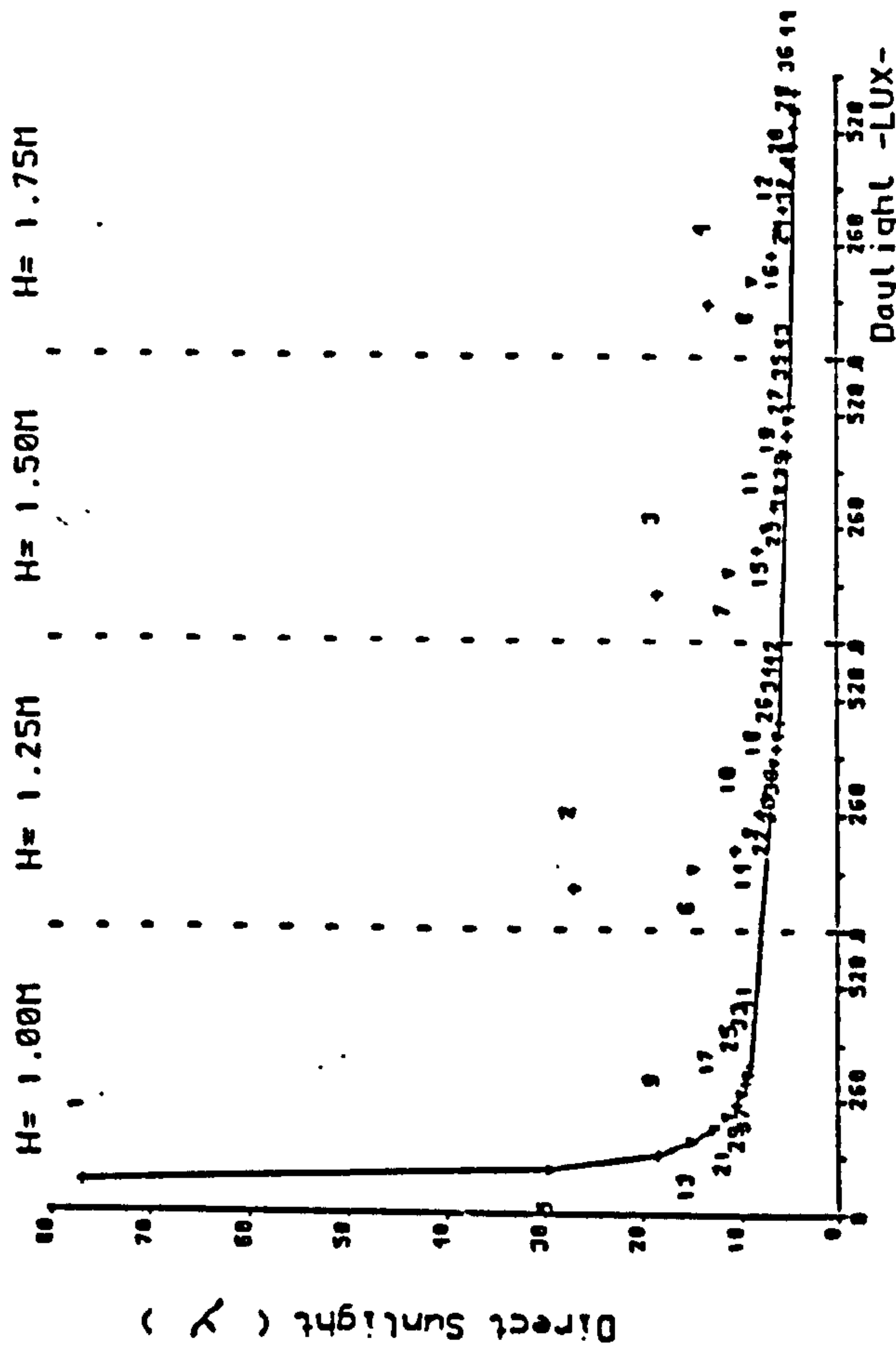
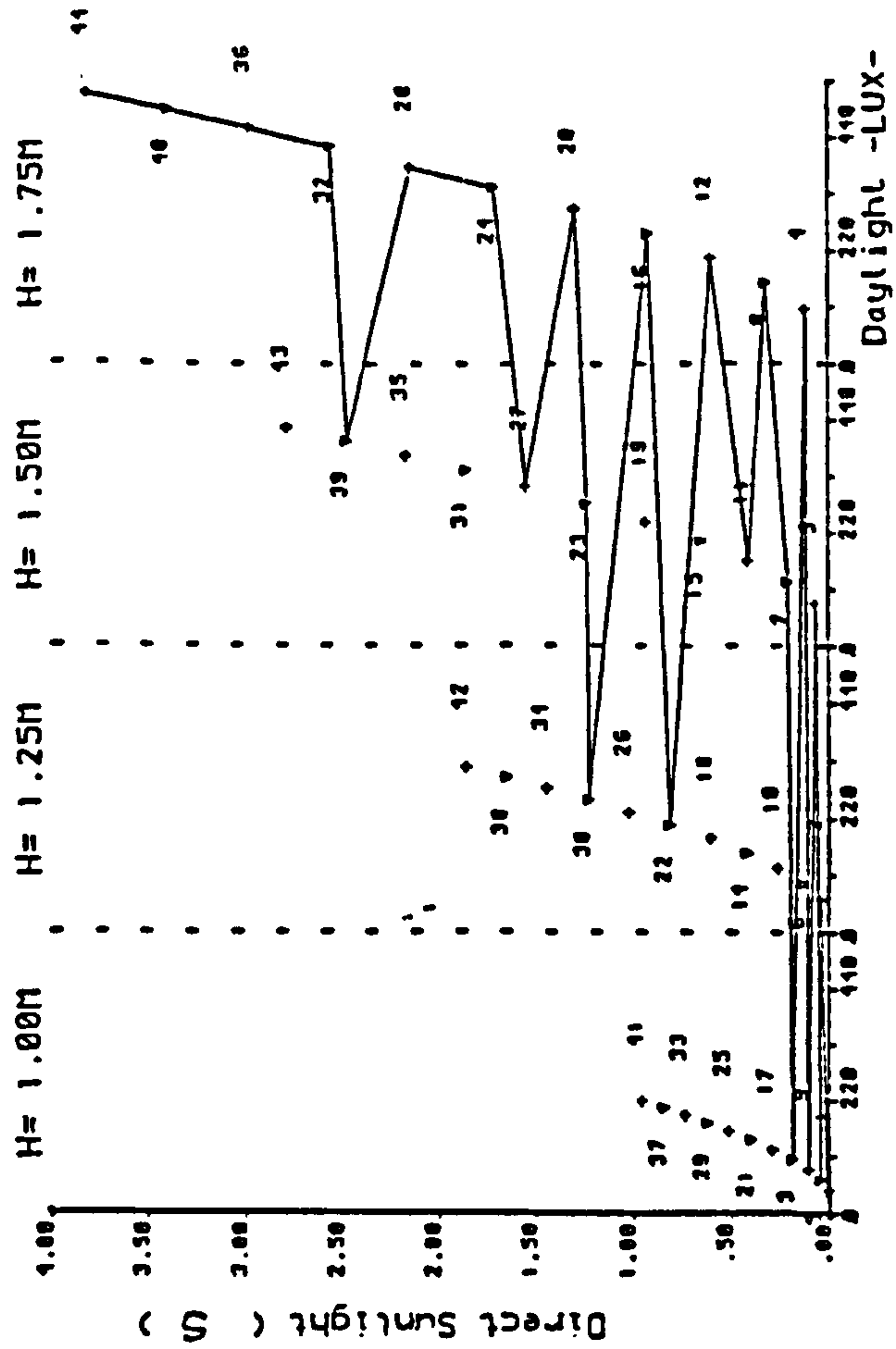
INTERHOUSE DISTANCE - 4M -

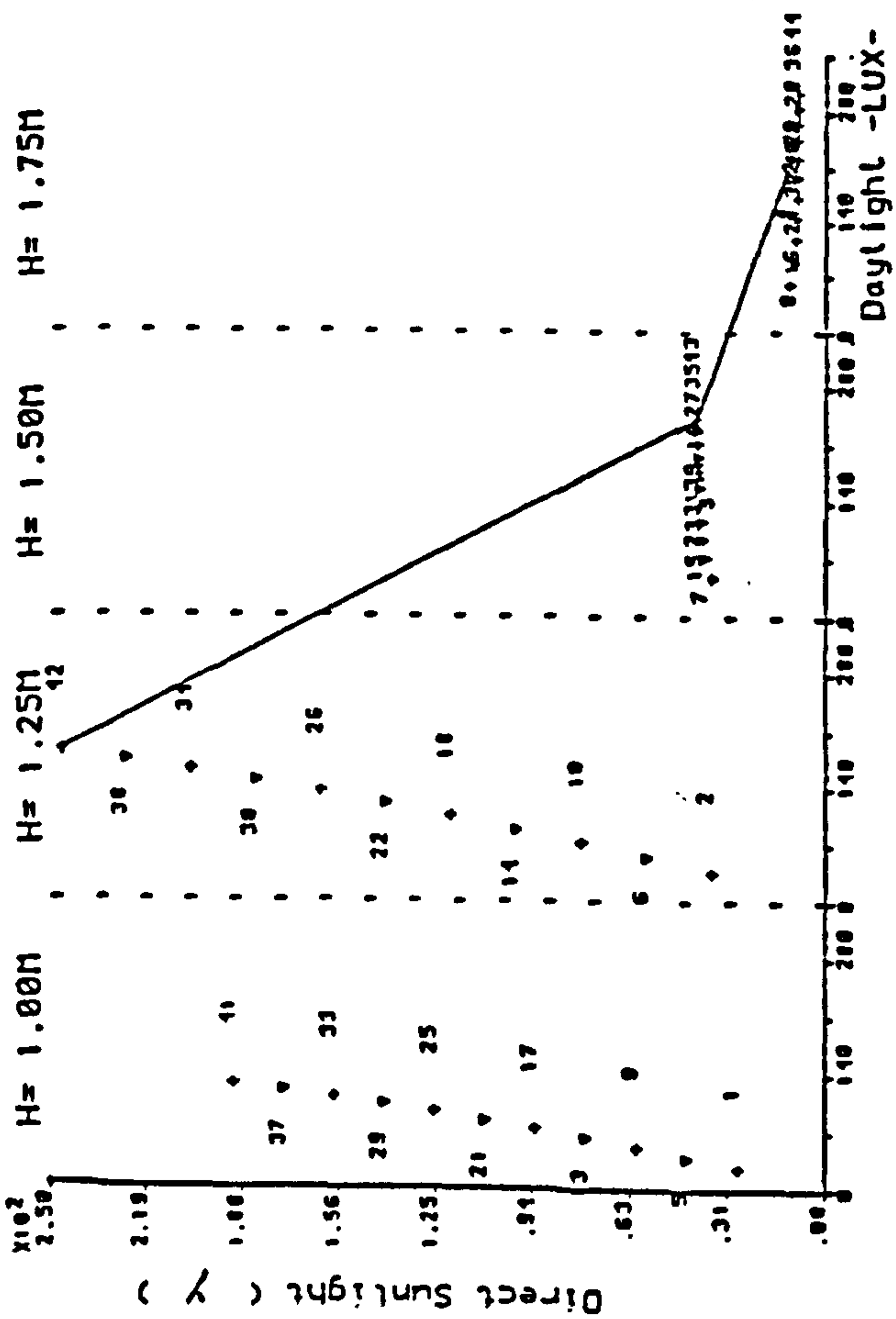
INTERHOUSE DISTANCE - 6M -



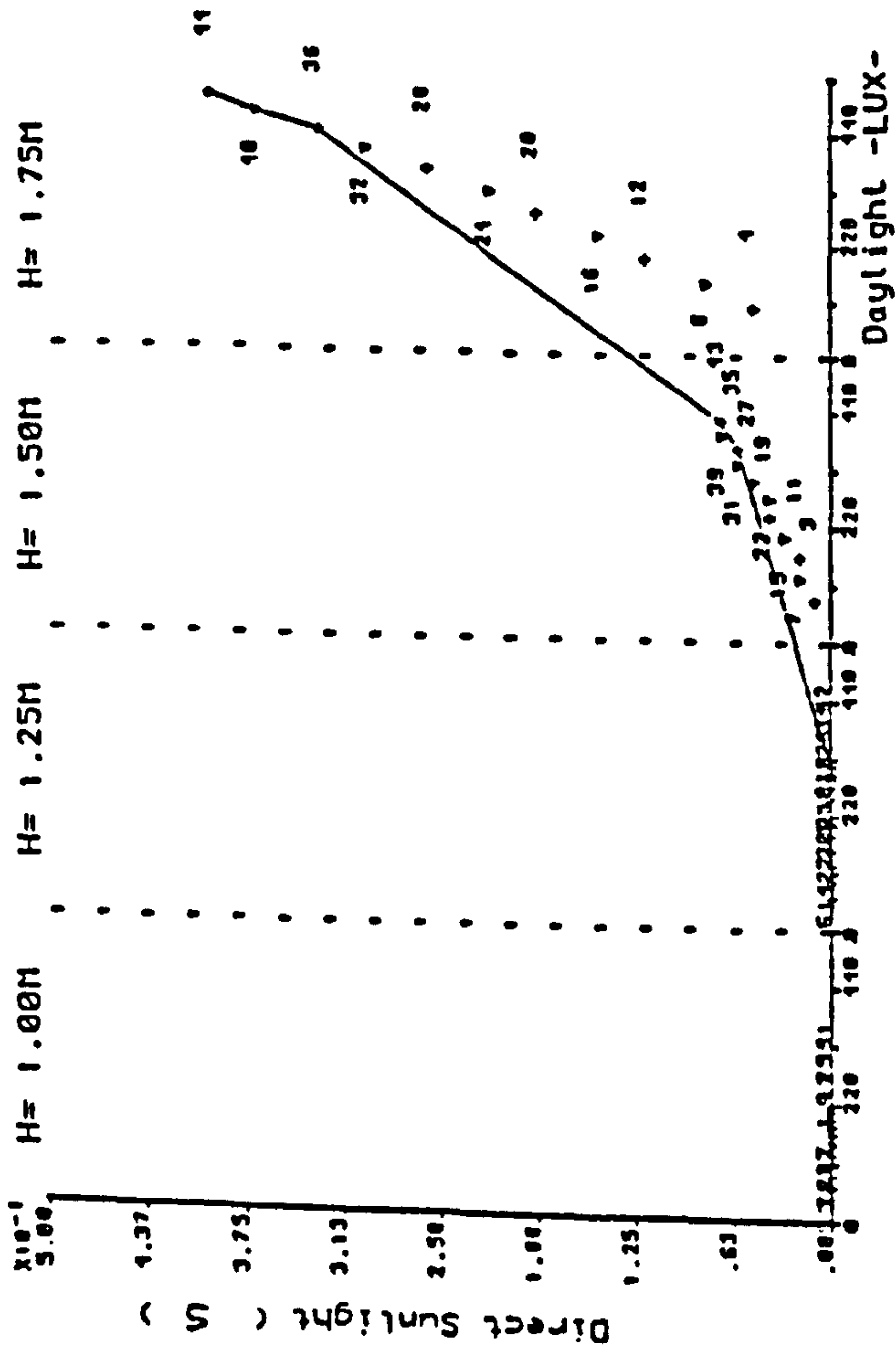
INTERHOUSE DISTANCE - 8M -

INTERHOUSE DISTANCE - 12M -

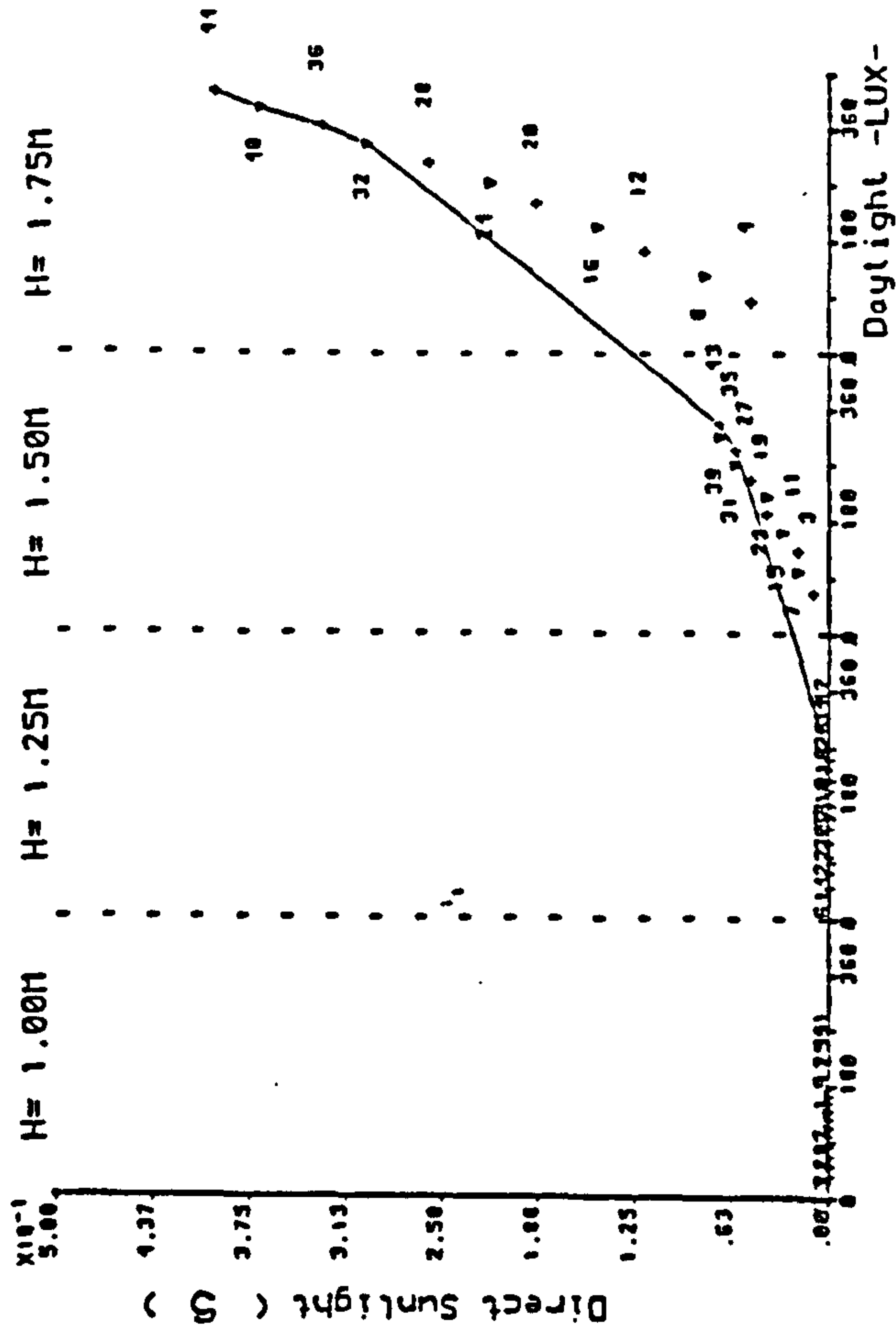




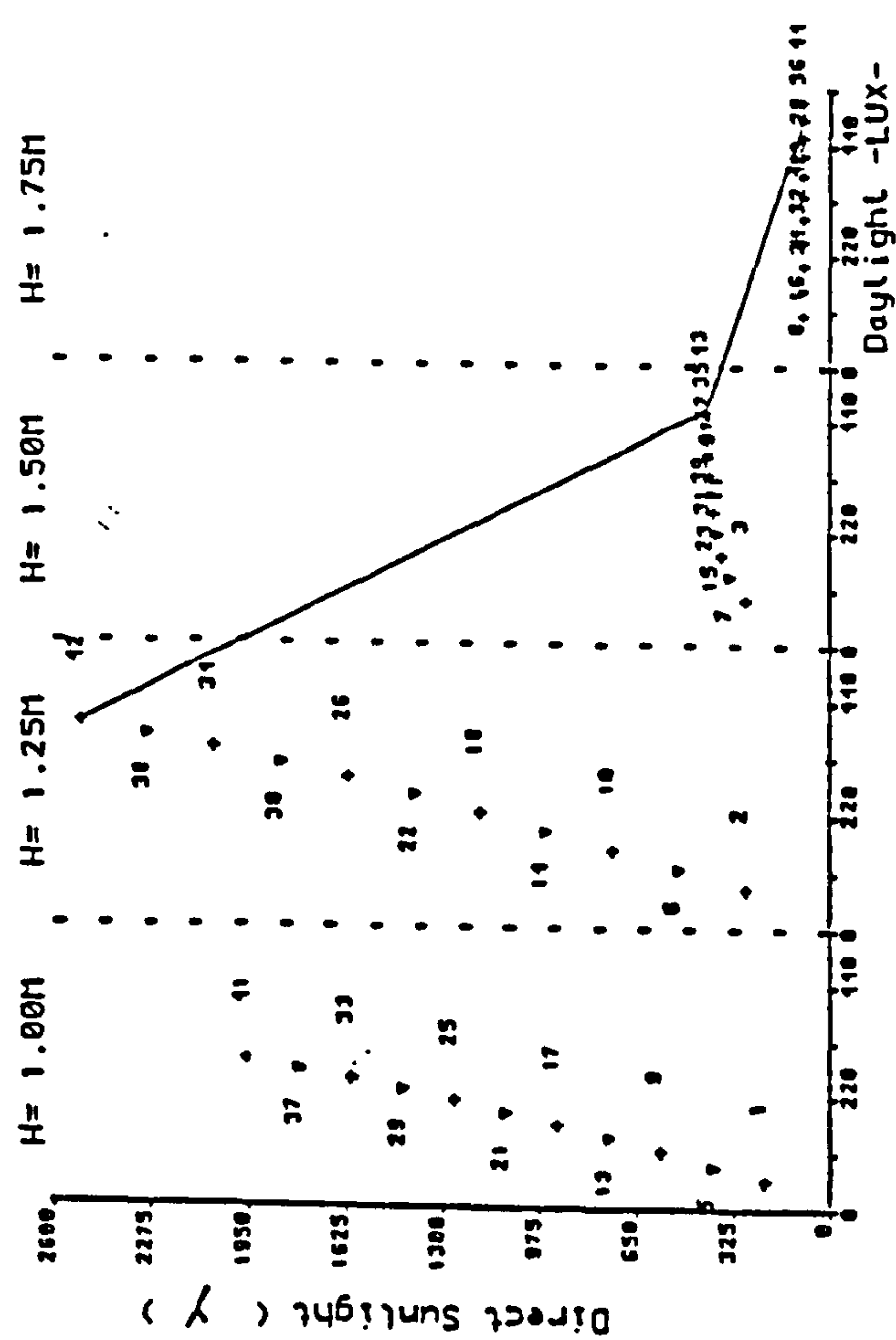
INTERHOUSE DISTANCE - 4M -



INTERHOUSE DISTANCE - 6M -

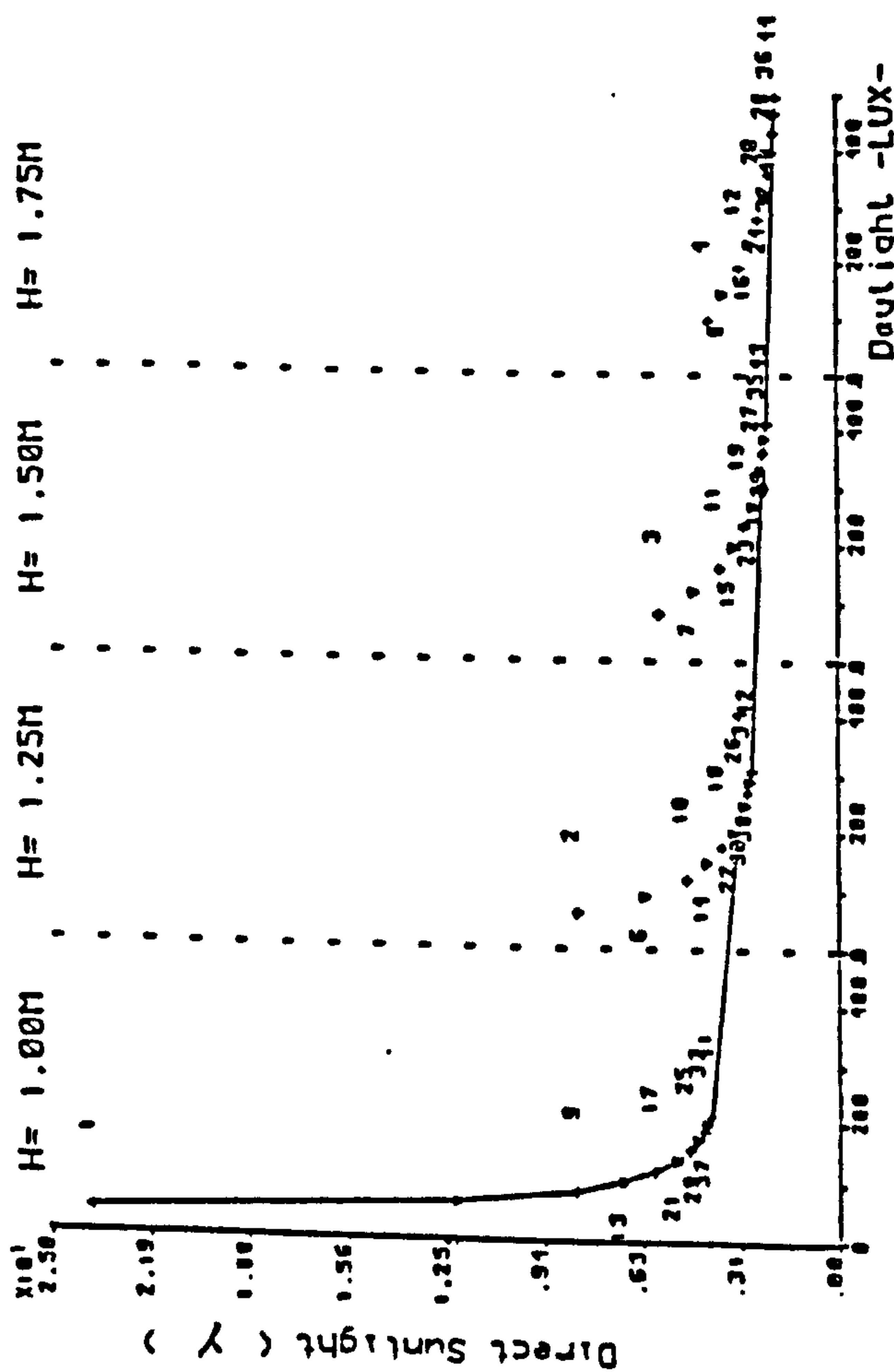
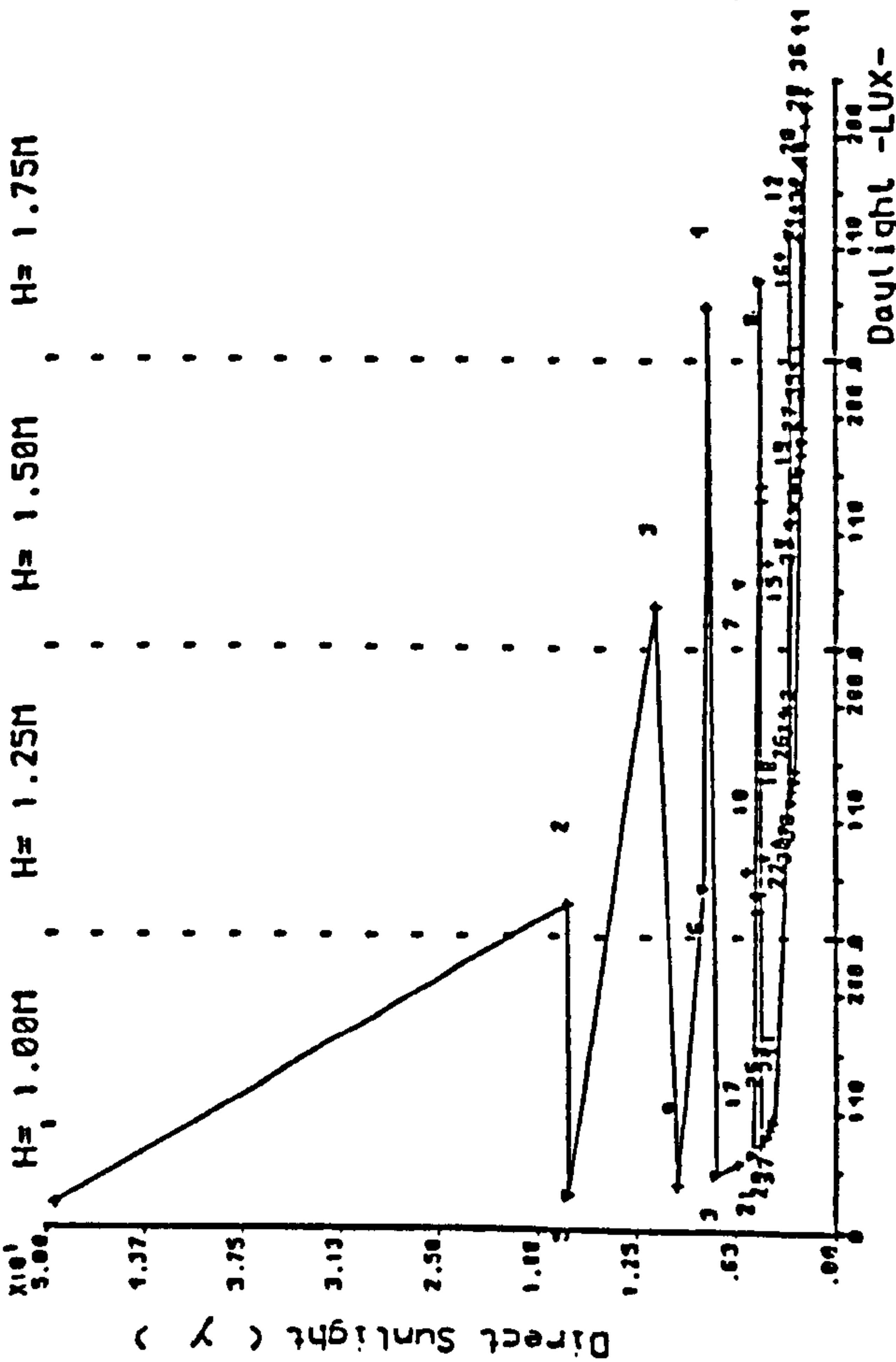
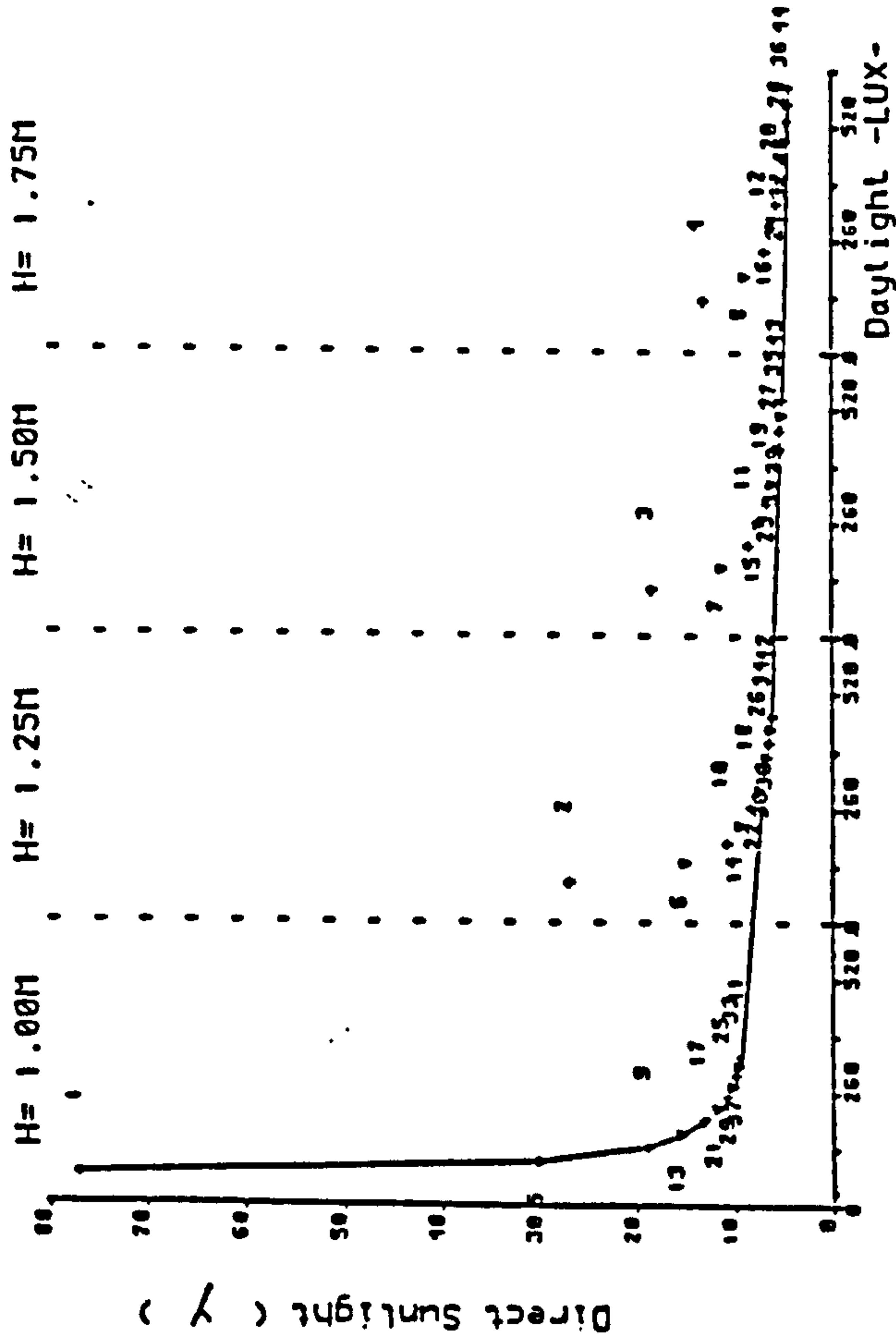
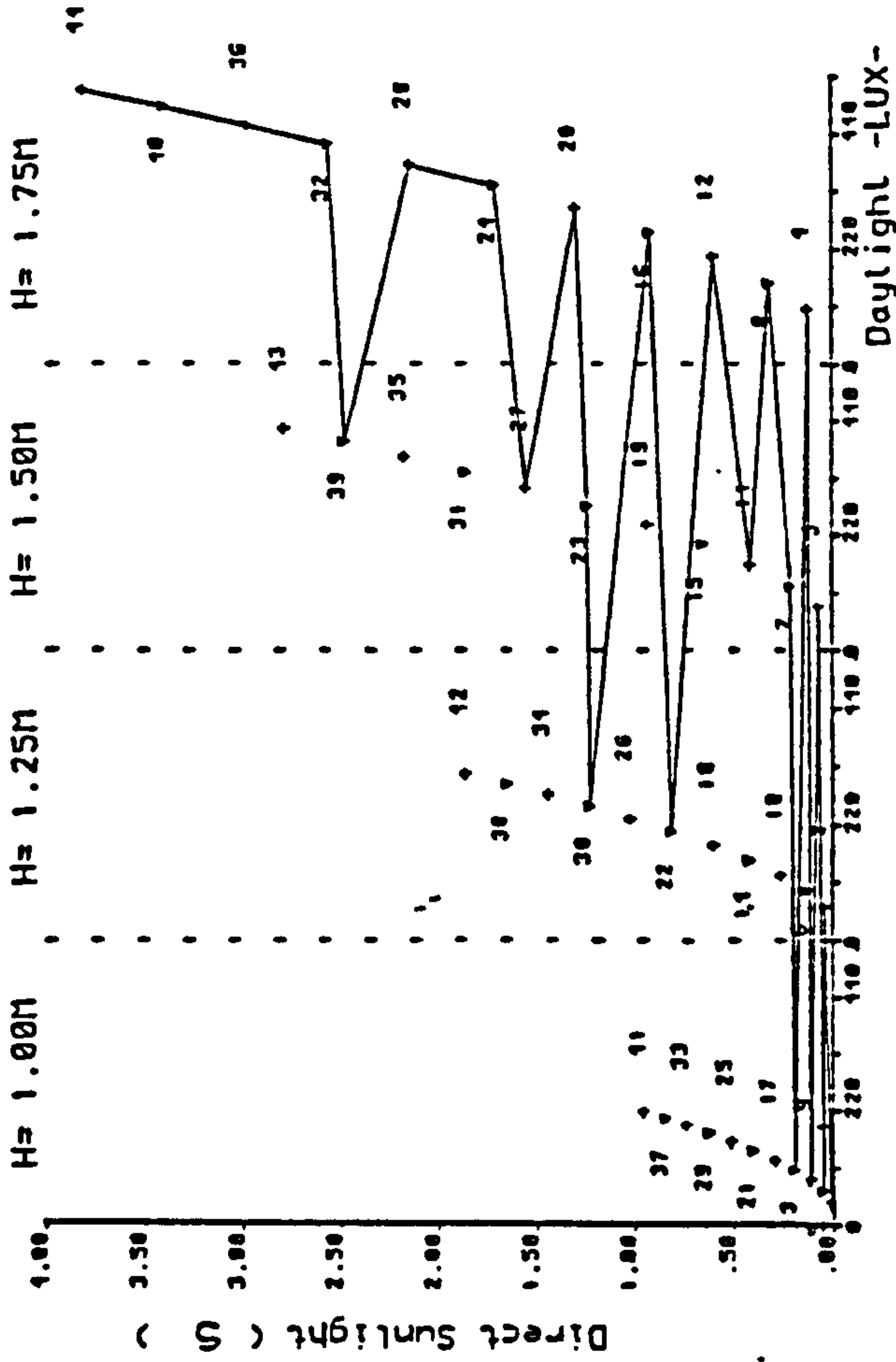


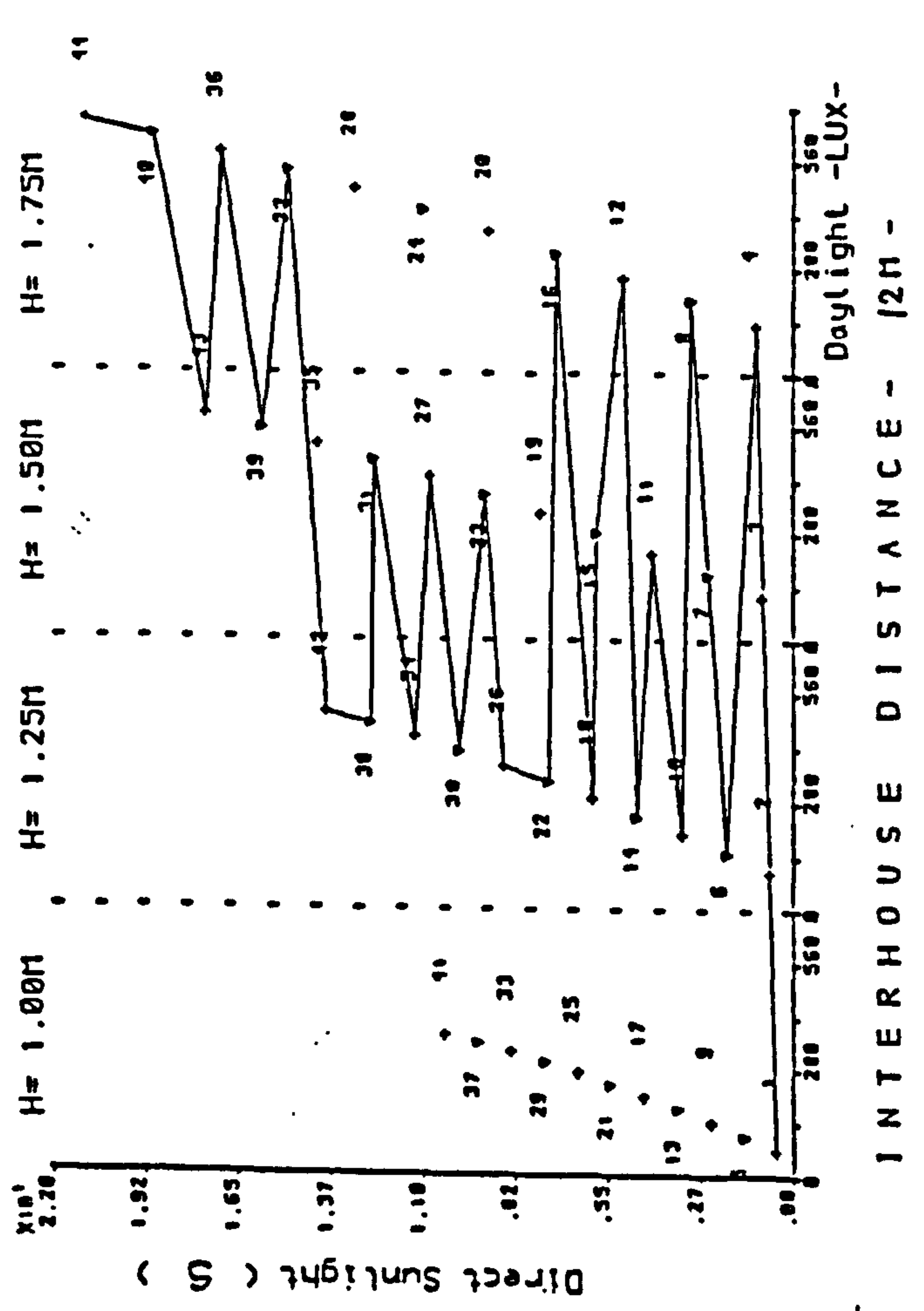
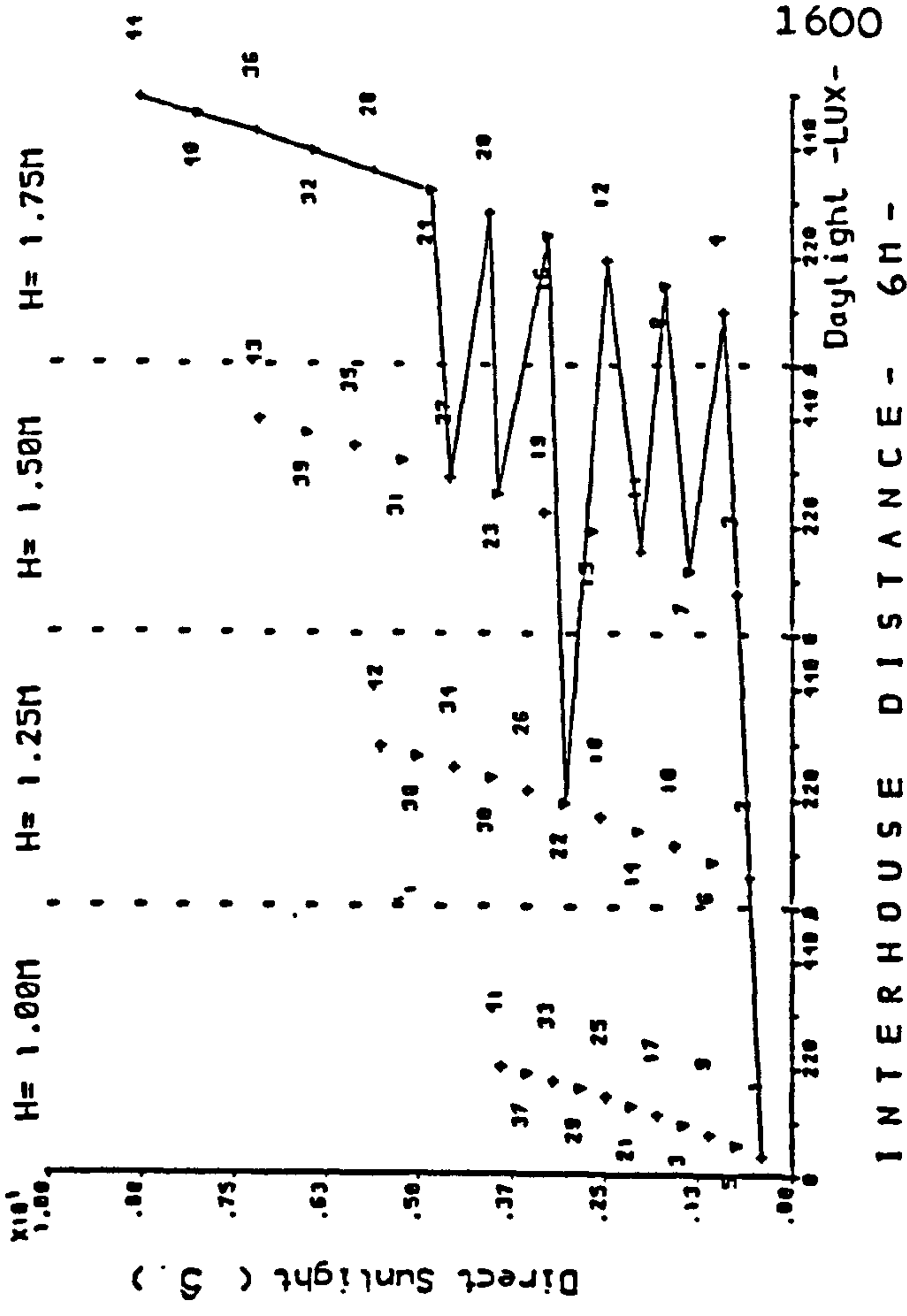
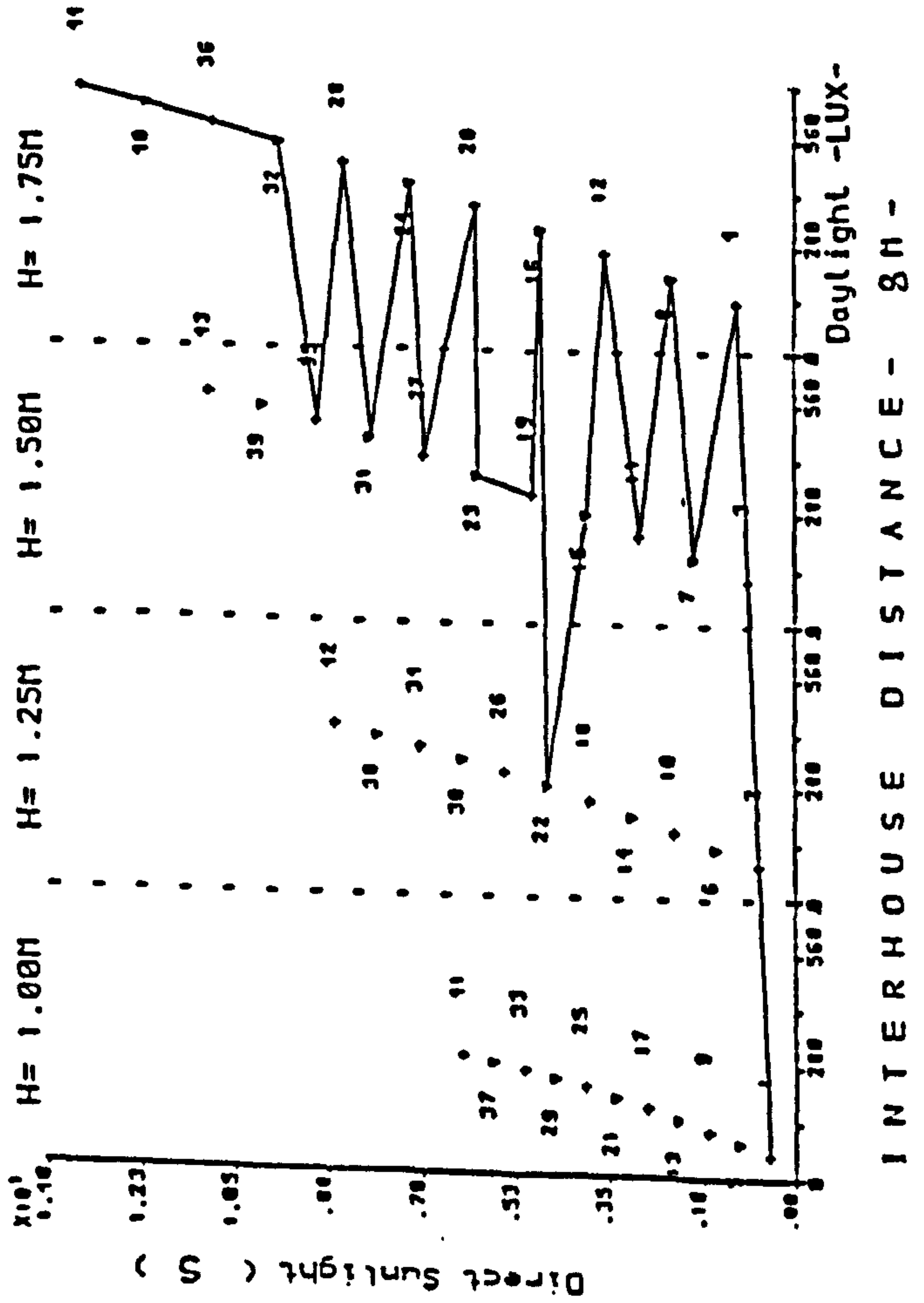
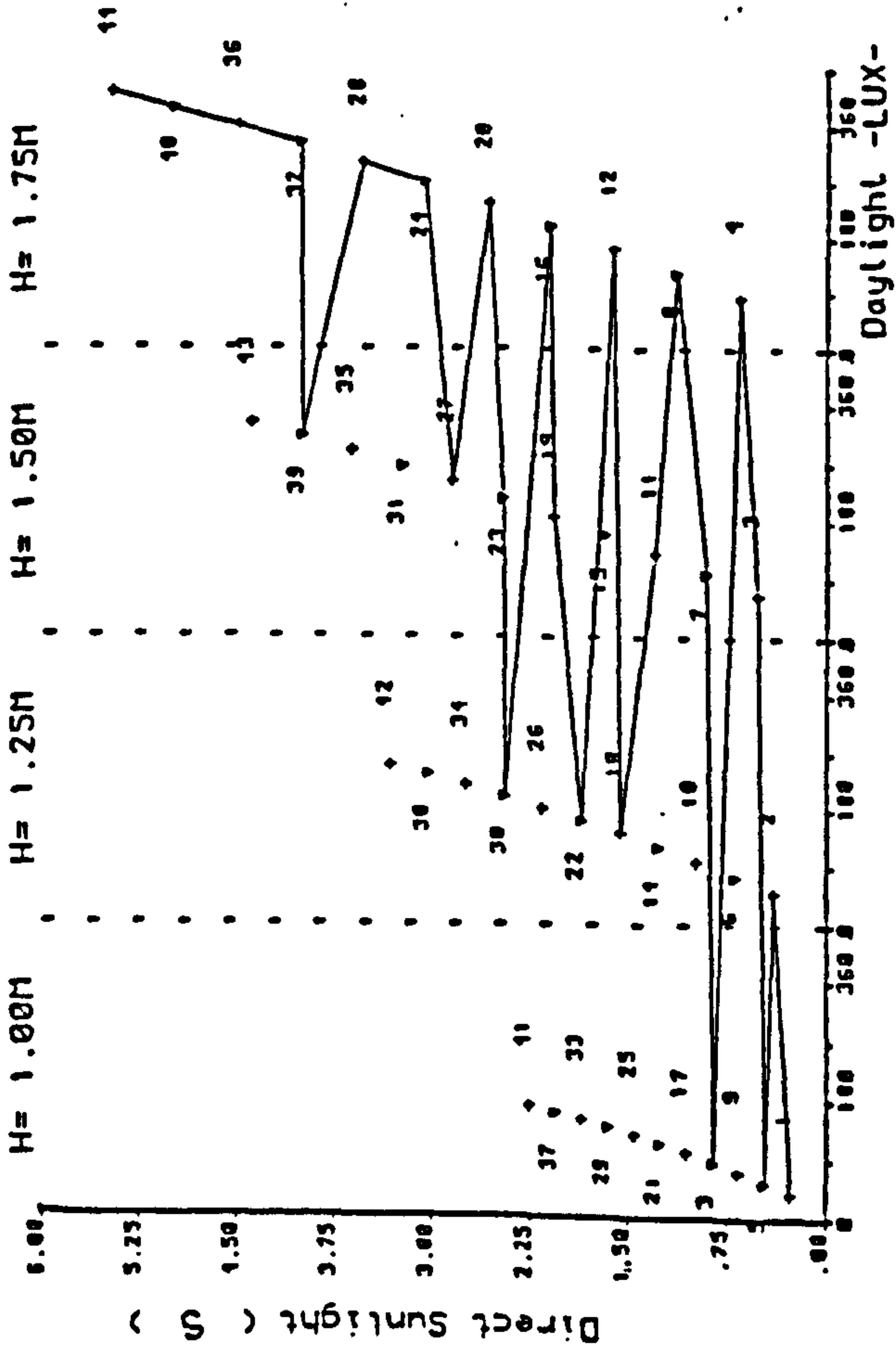
INTERHOUSE DISTANCE - 6M -

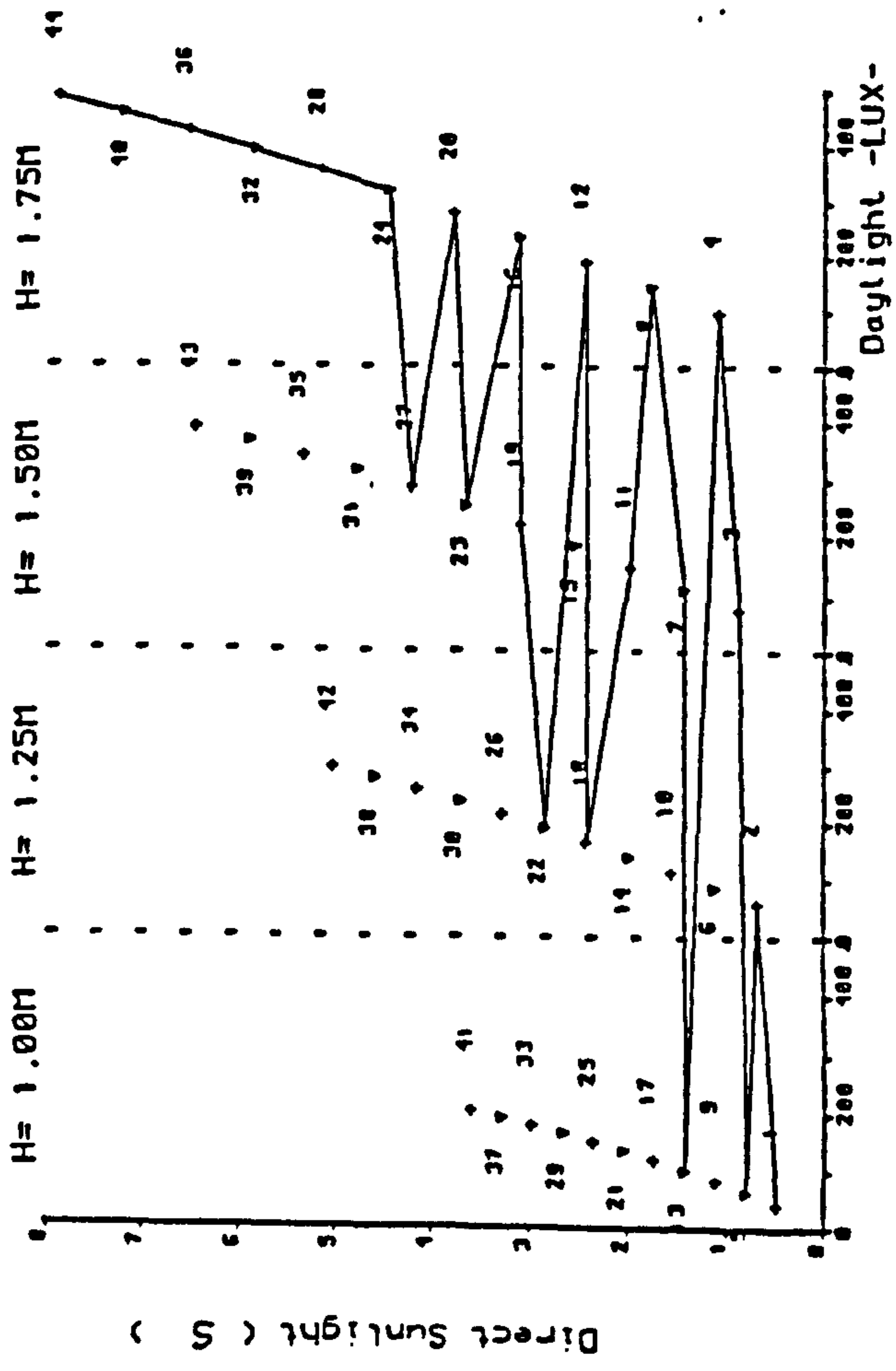


INTERHOUSE DISTANCE - 12M -

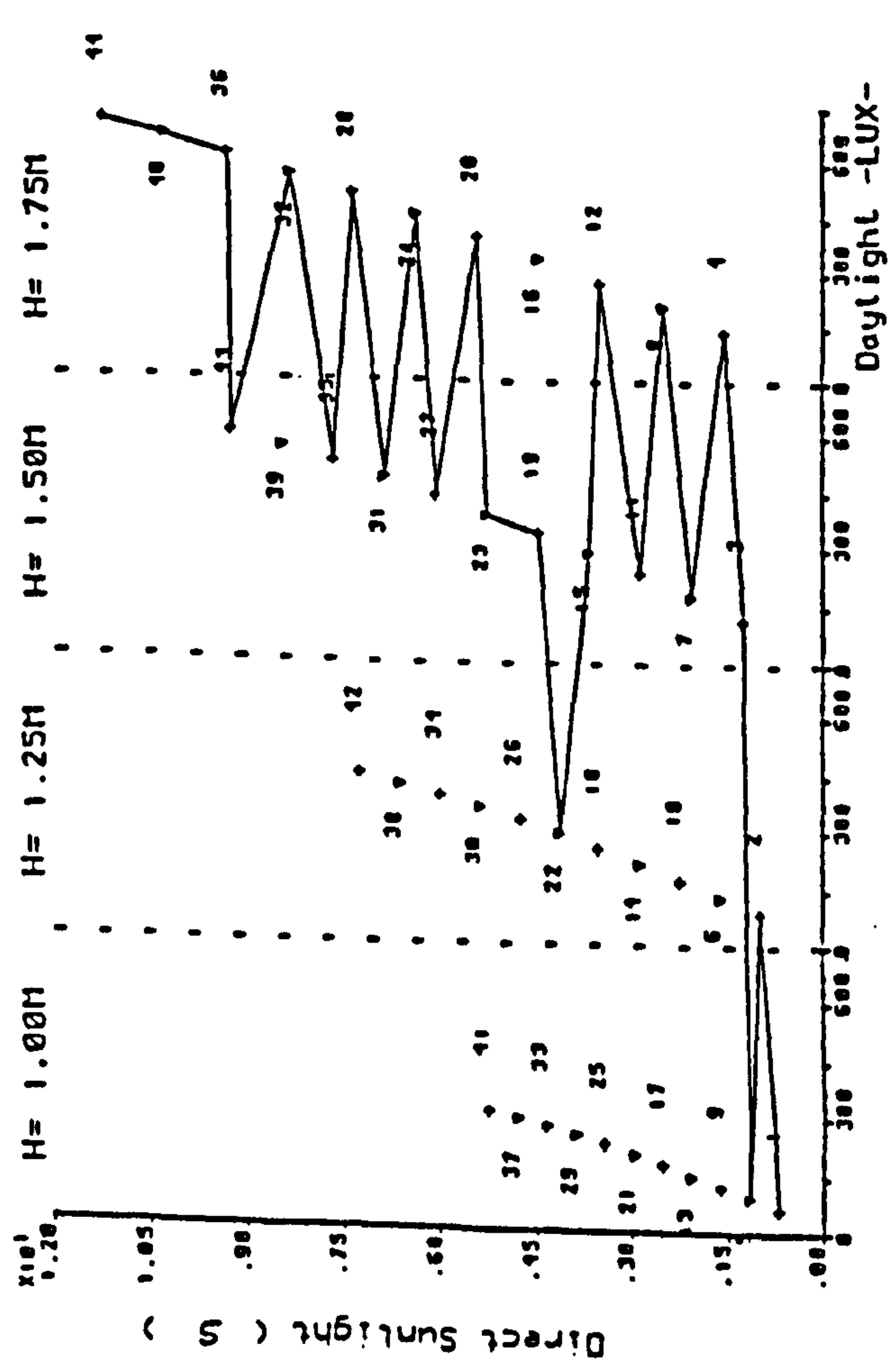




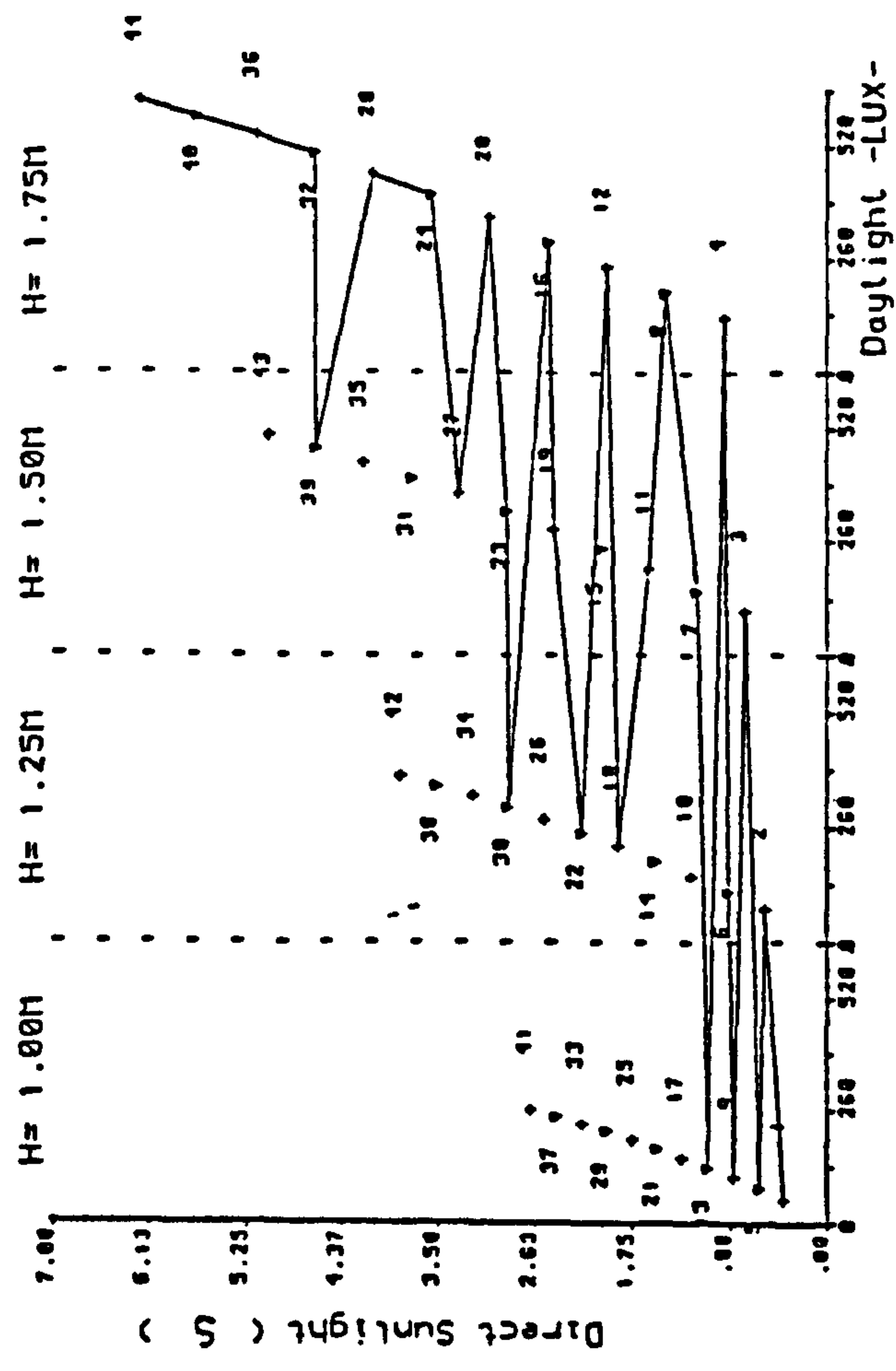




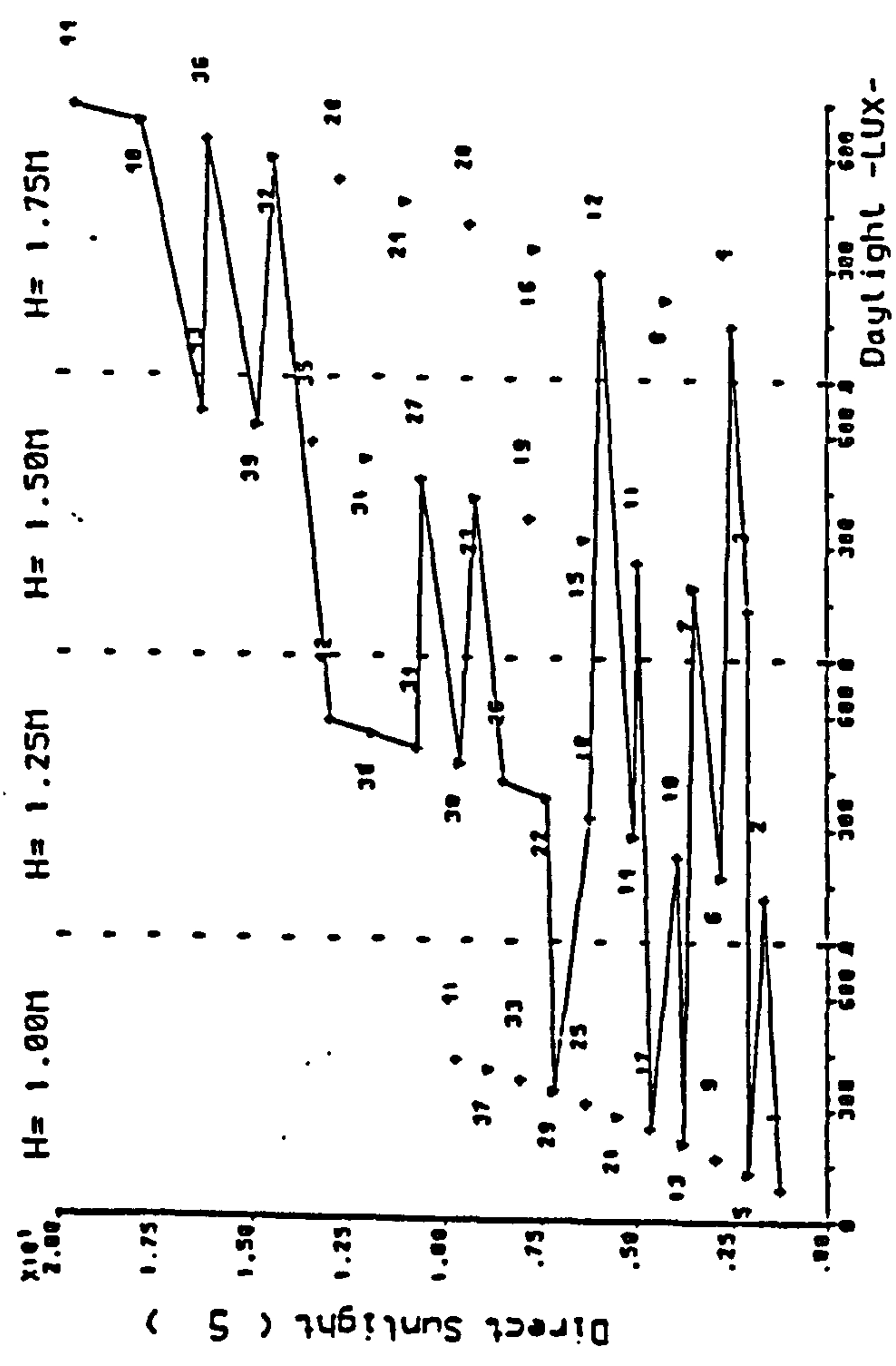
INTERHOUSE DISTANCE - 4M -



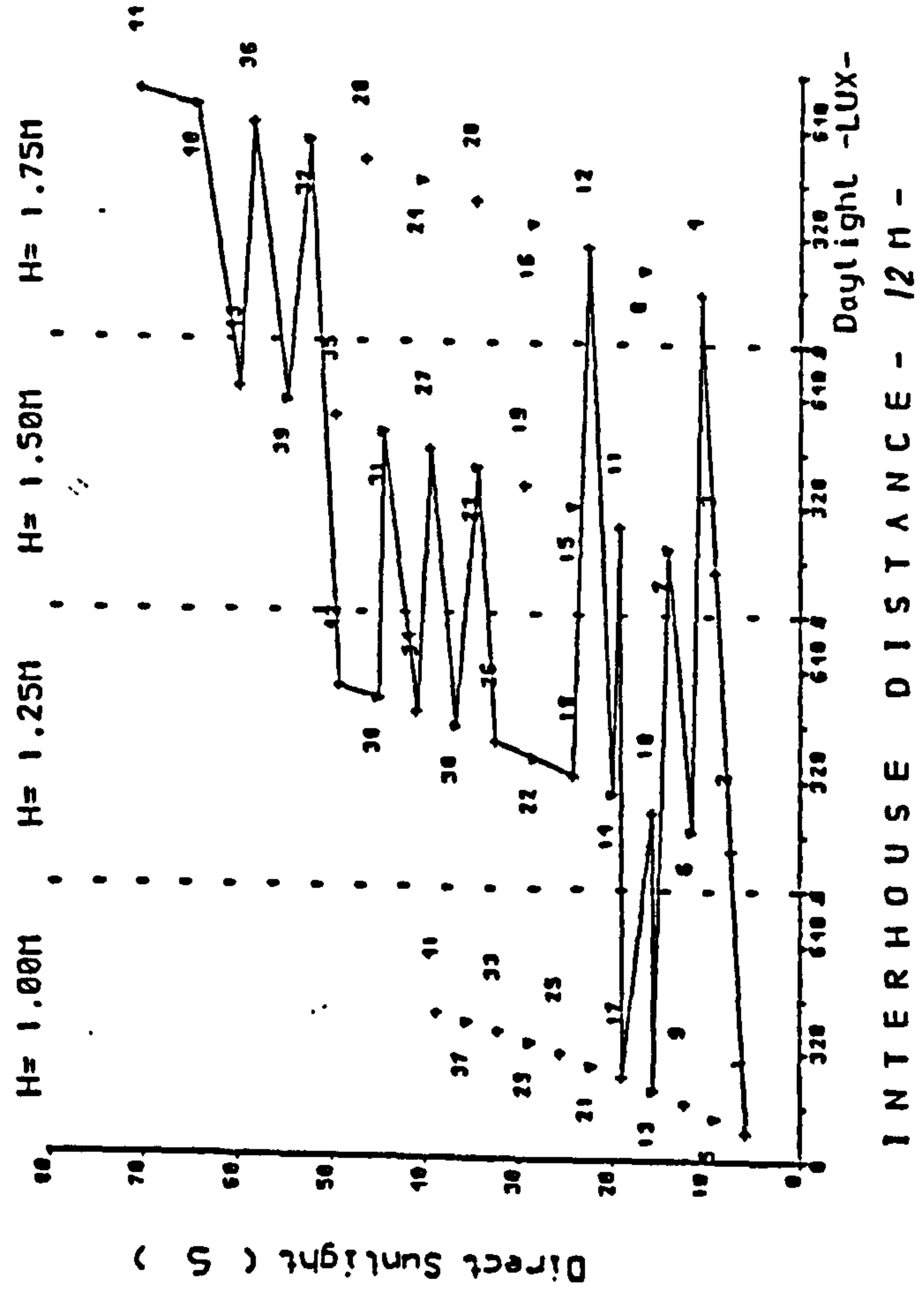
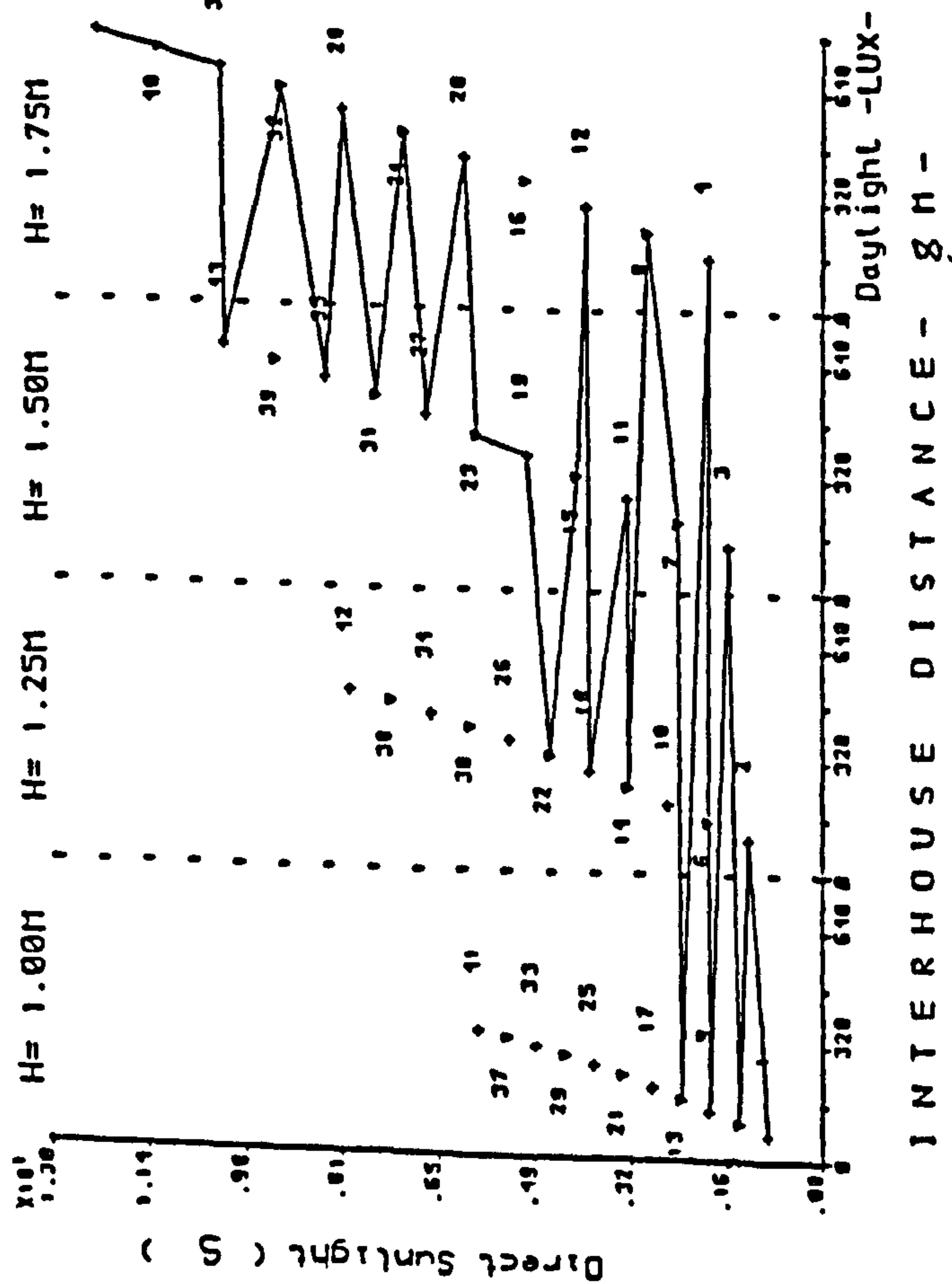
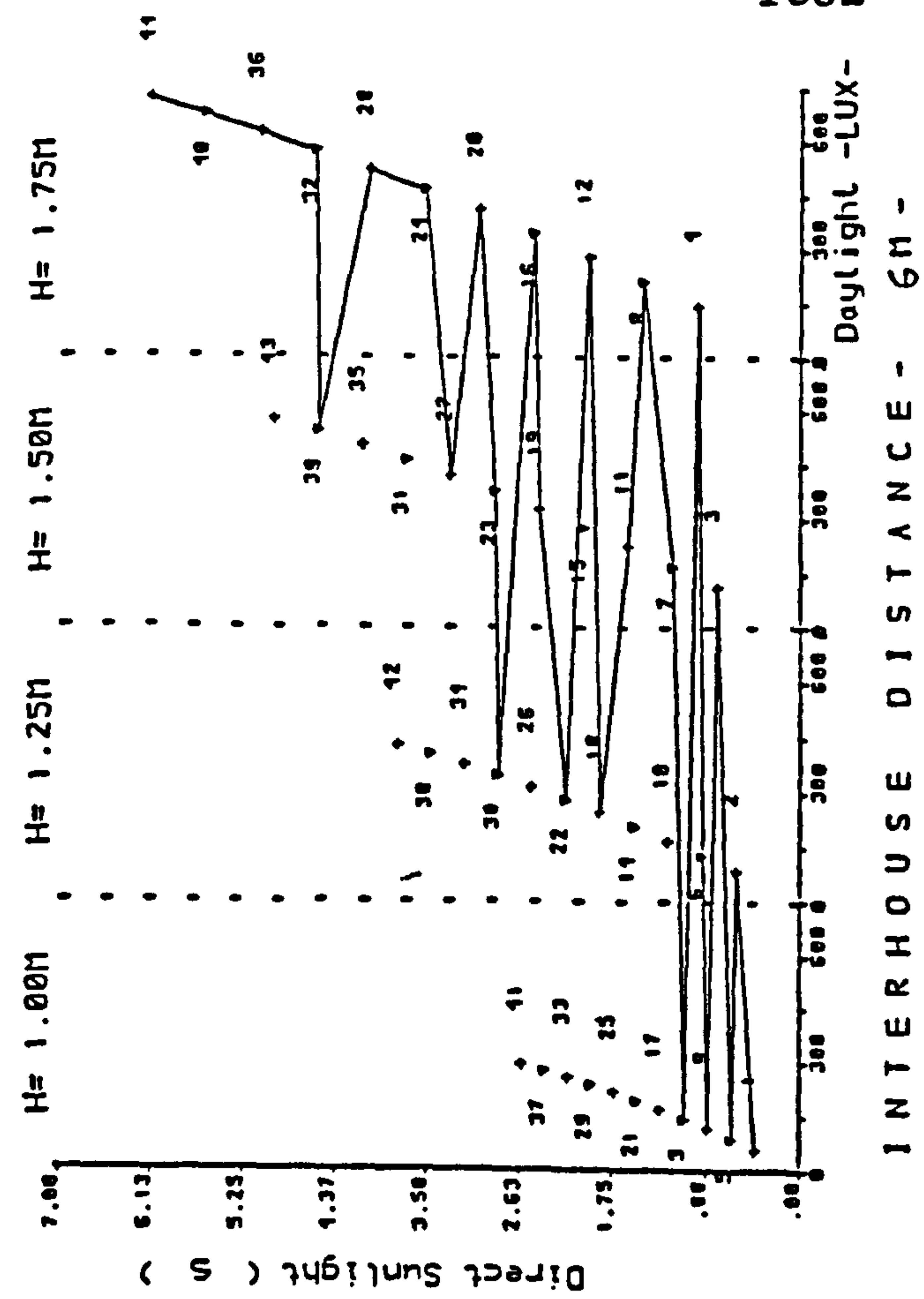
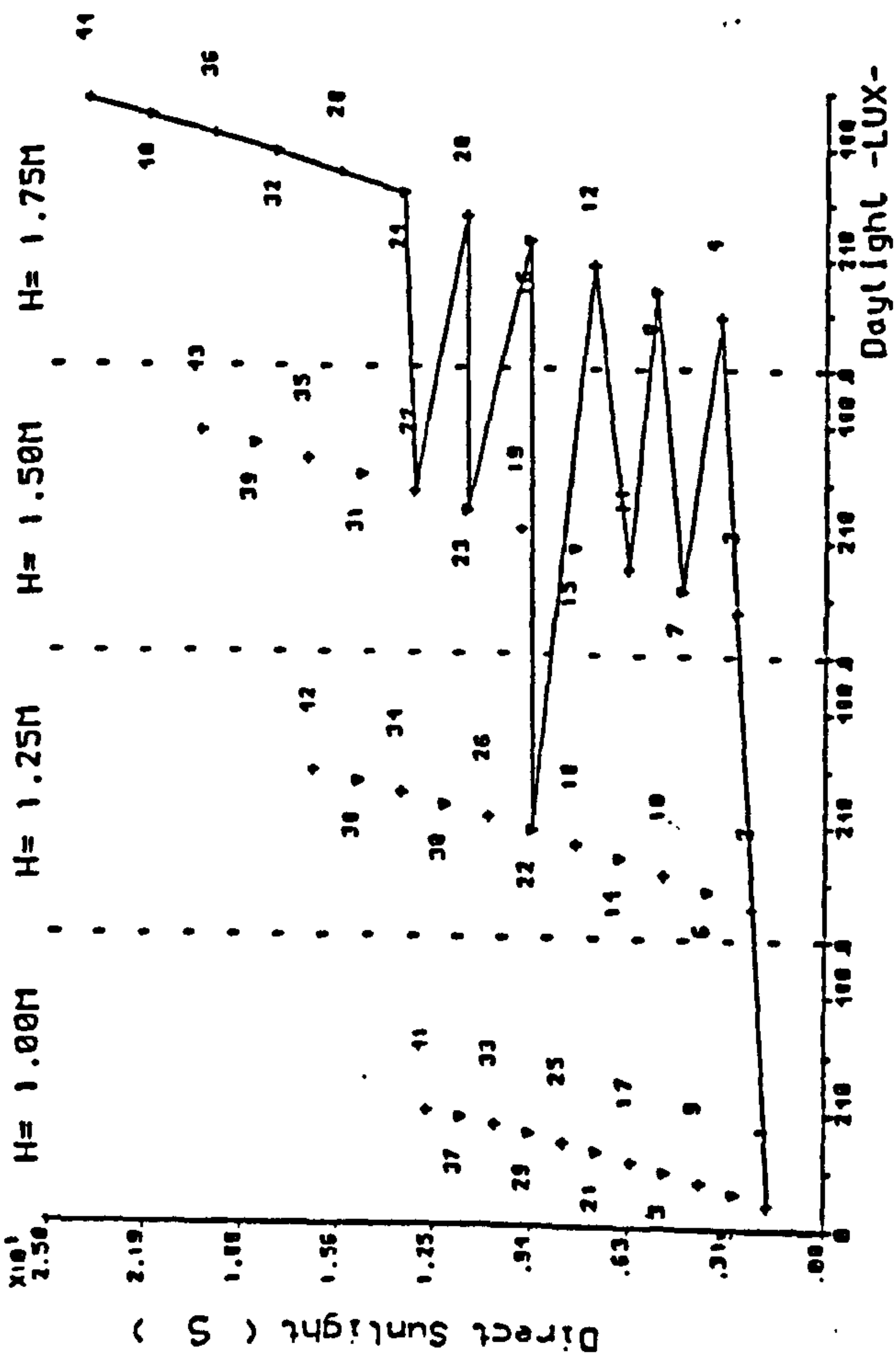
INTERHOUSE DISTANCE - 8M -



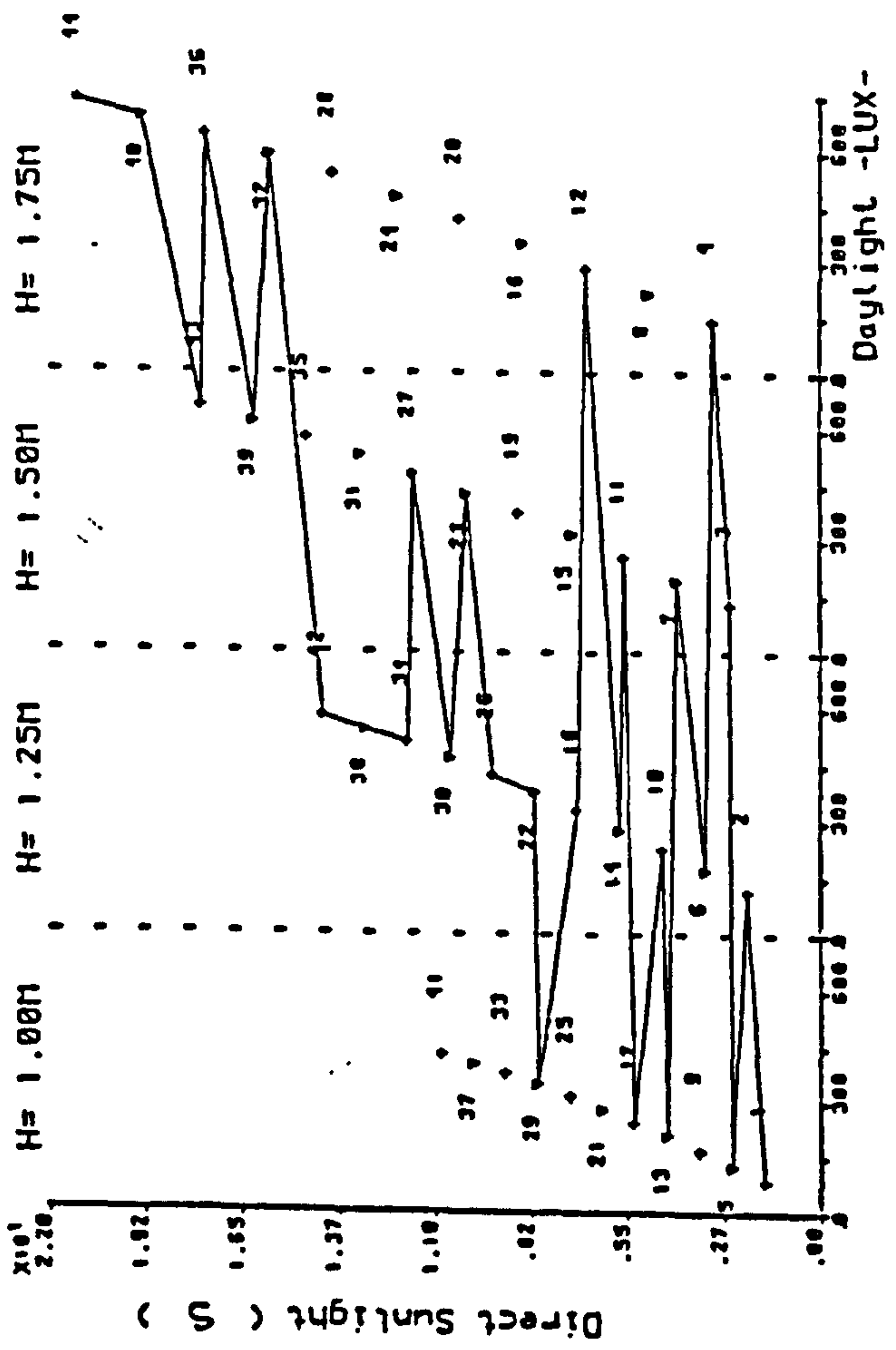
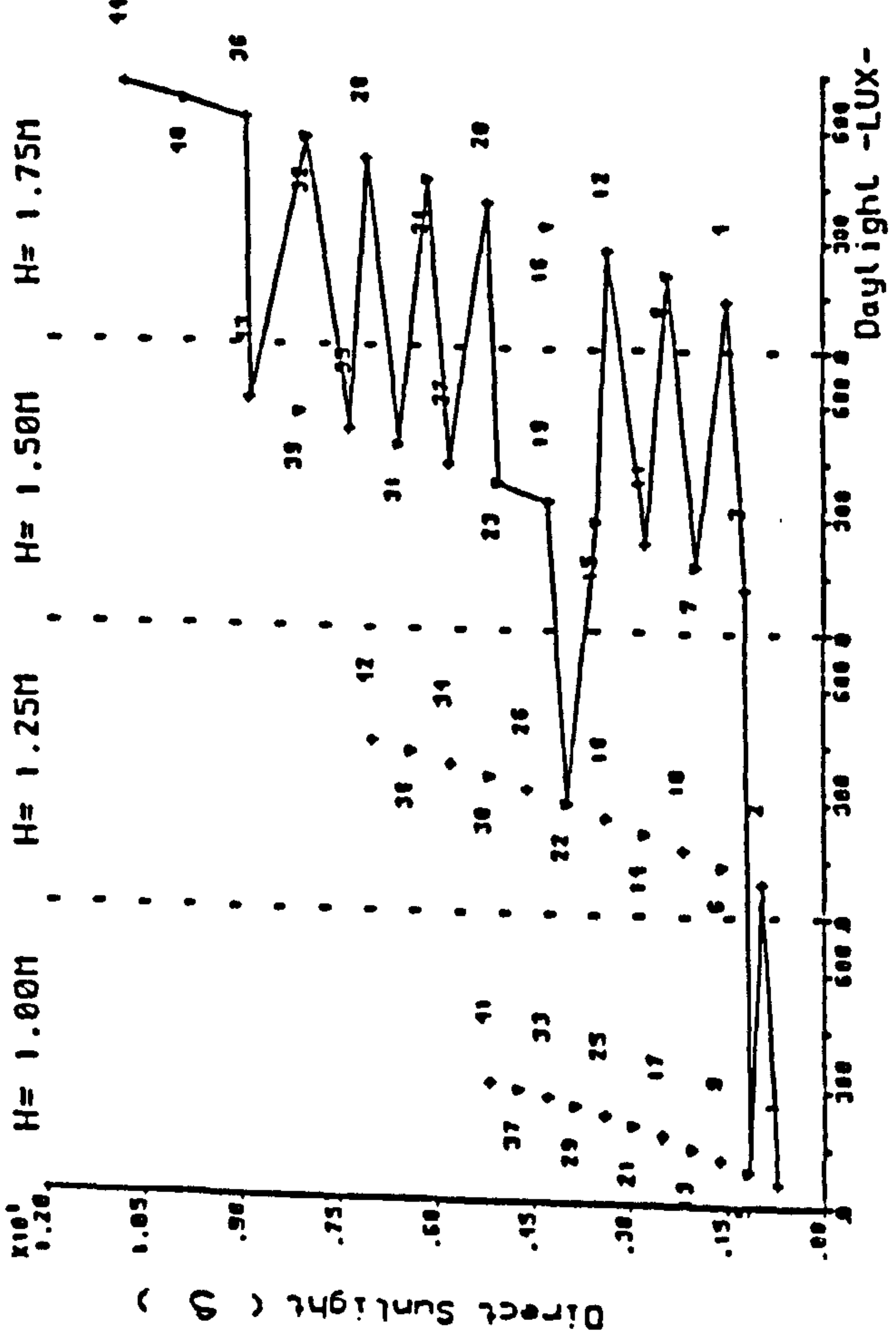
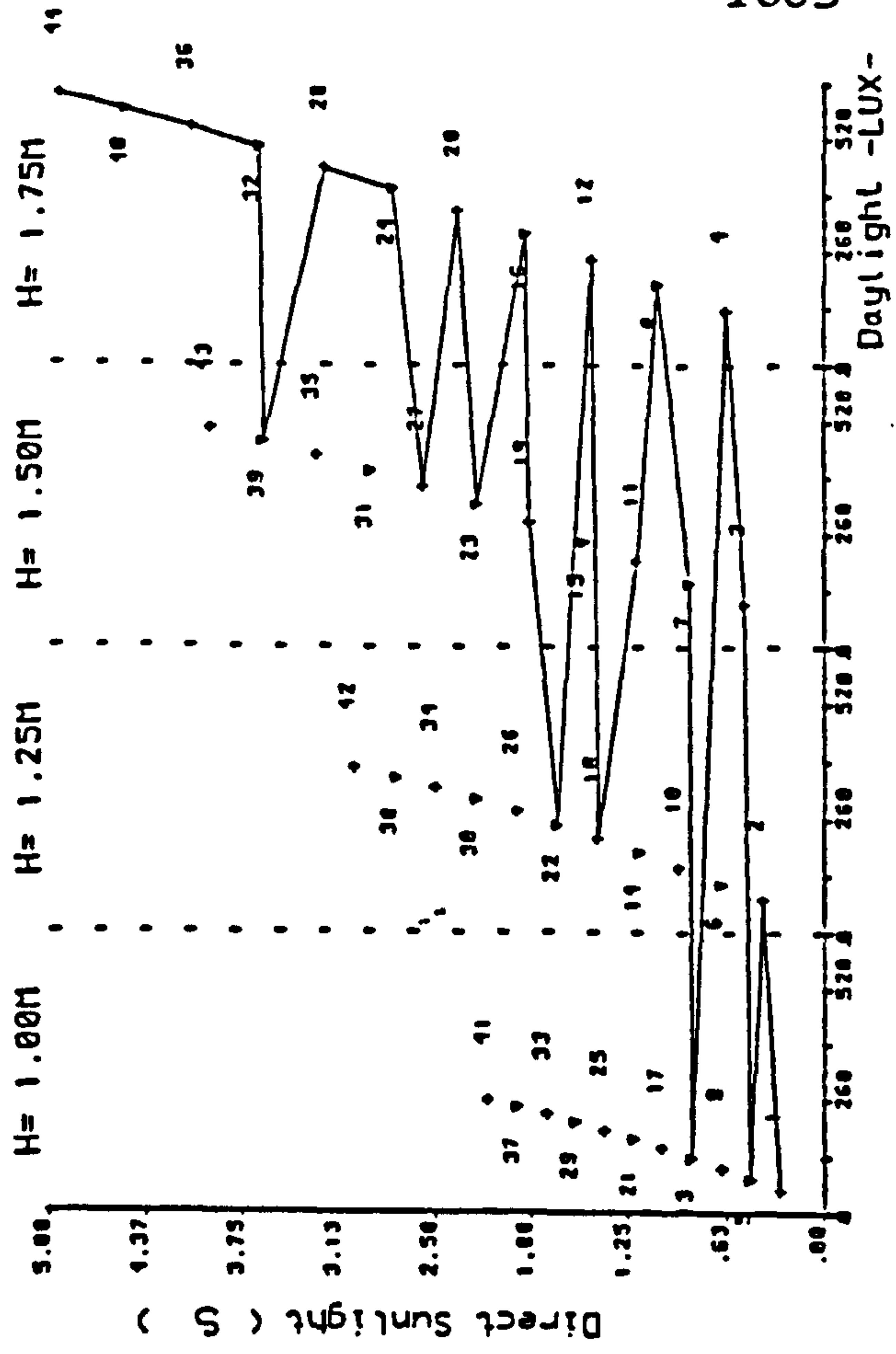
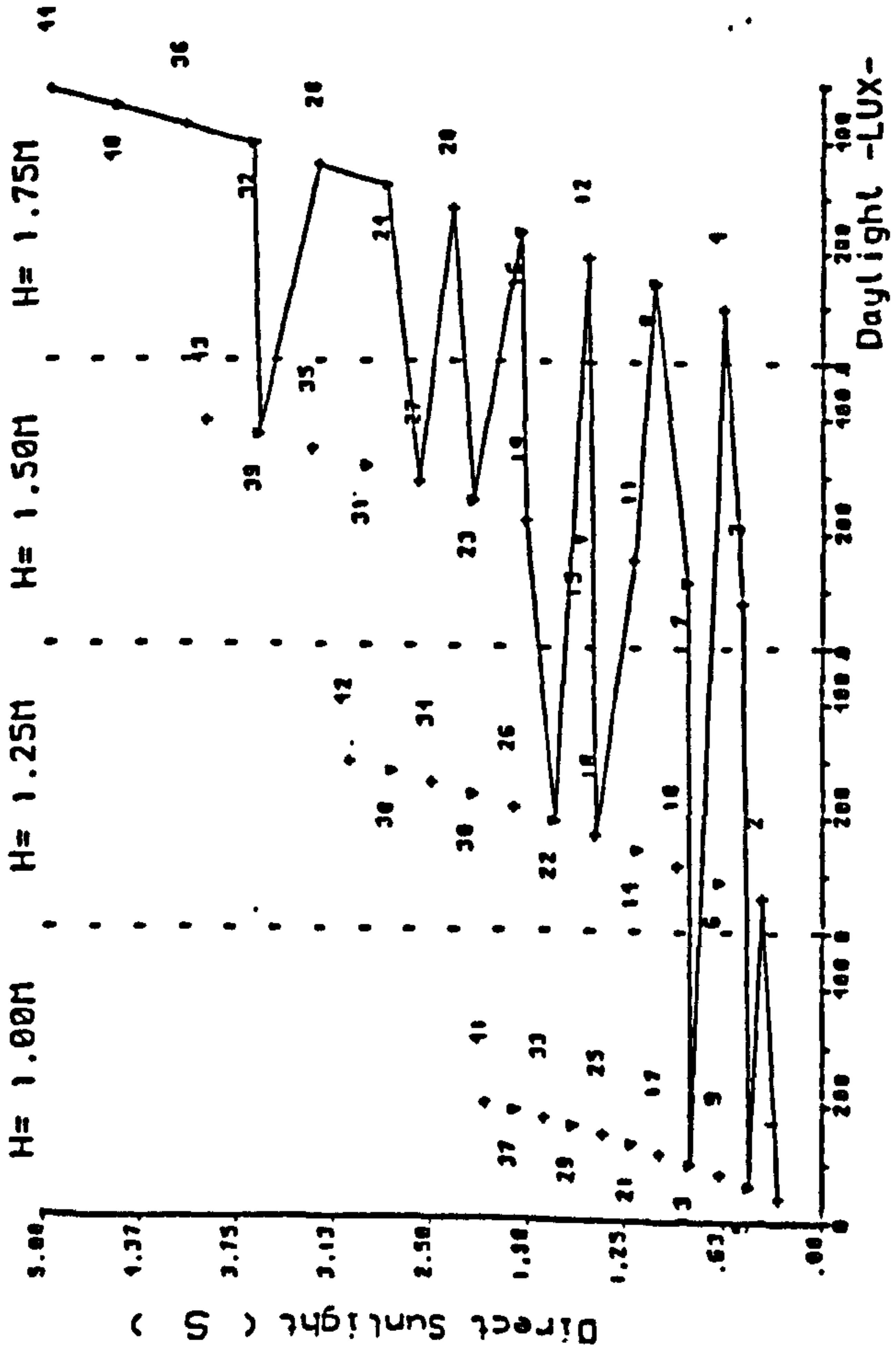
INTERHOUSE DISTANCE - 6M -

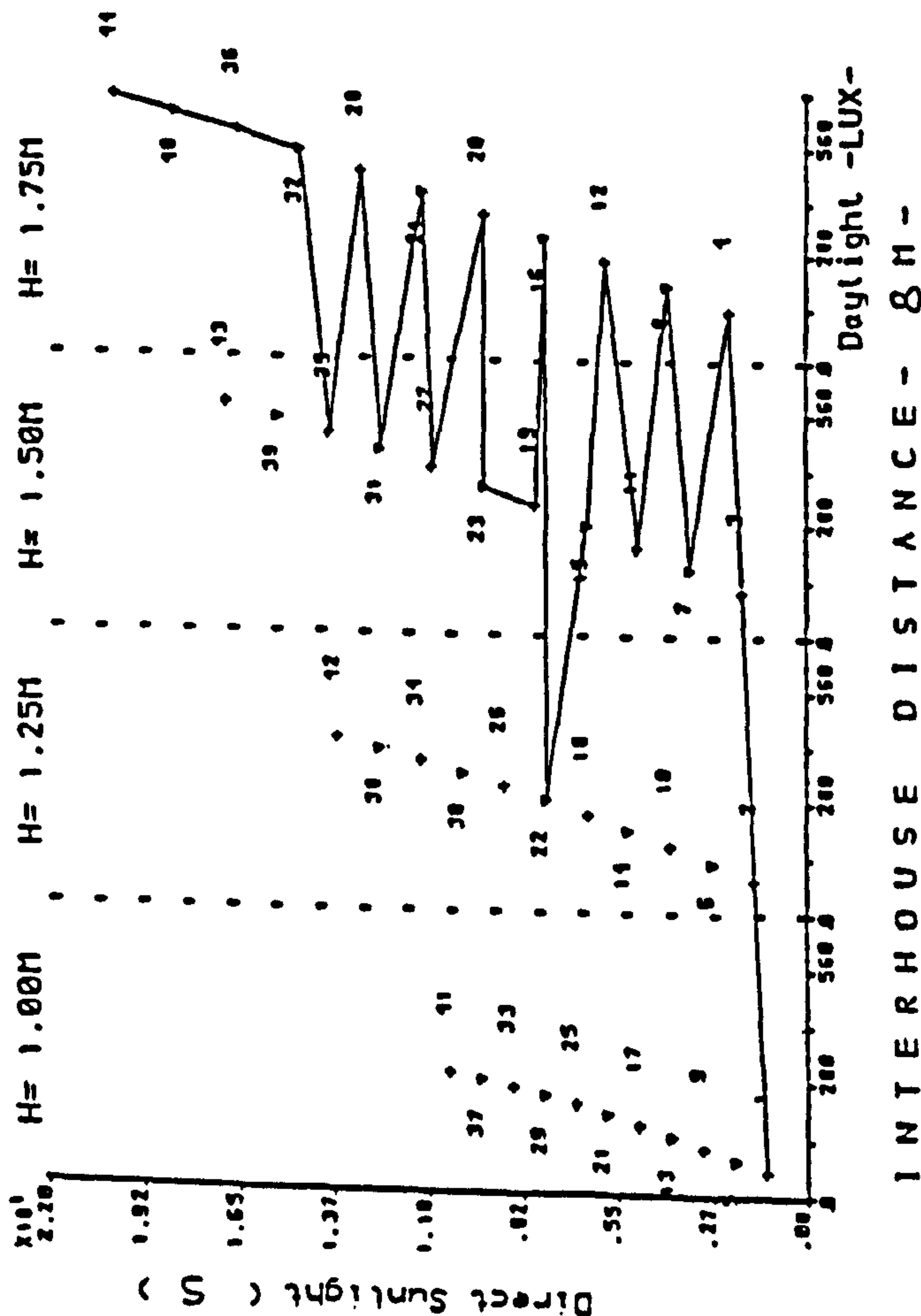
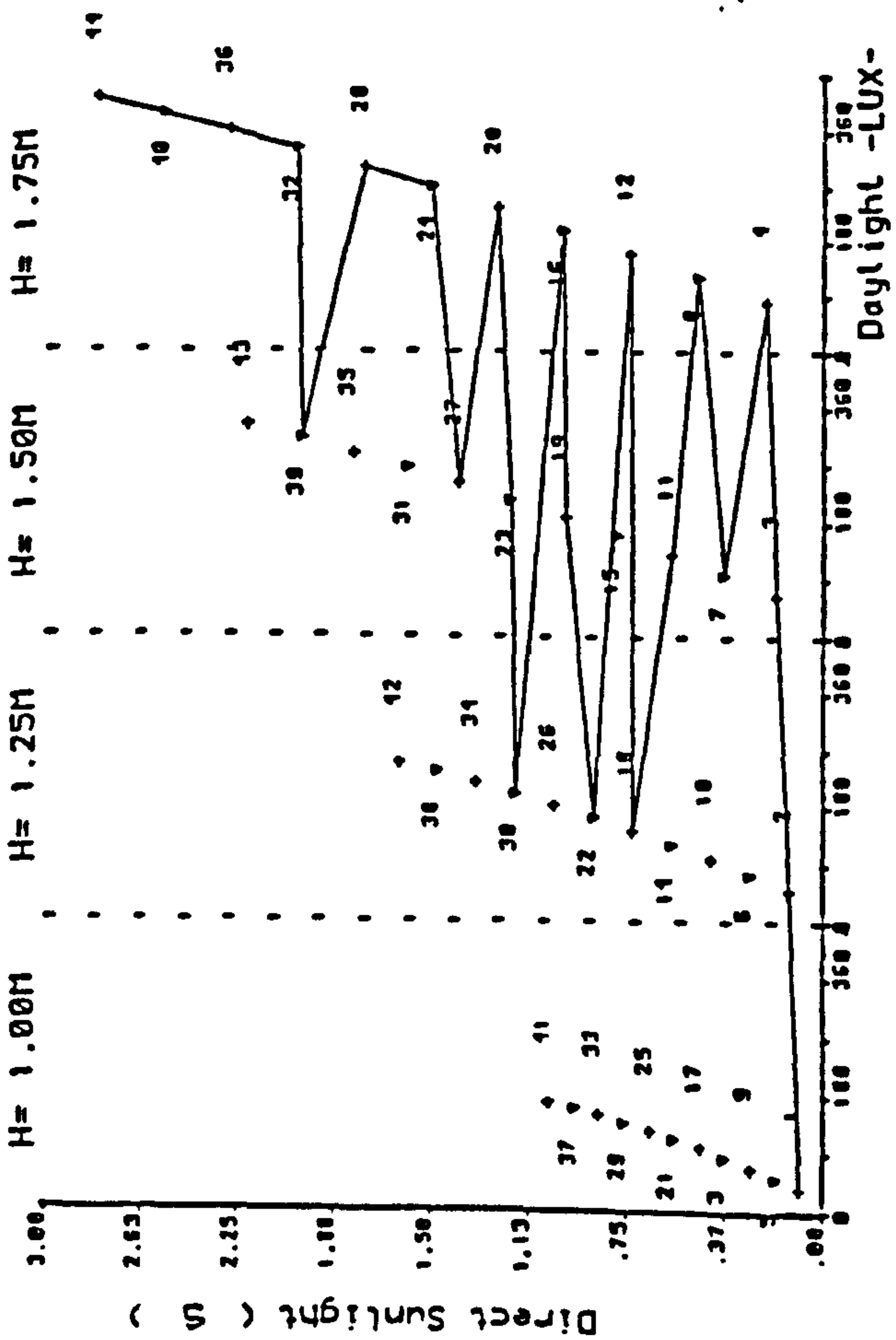
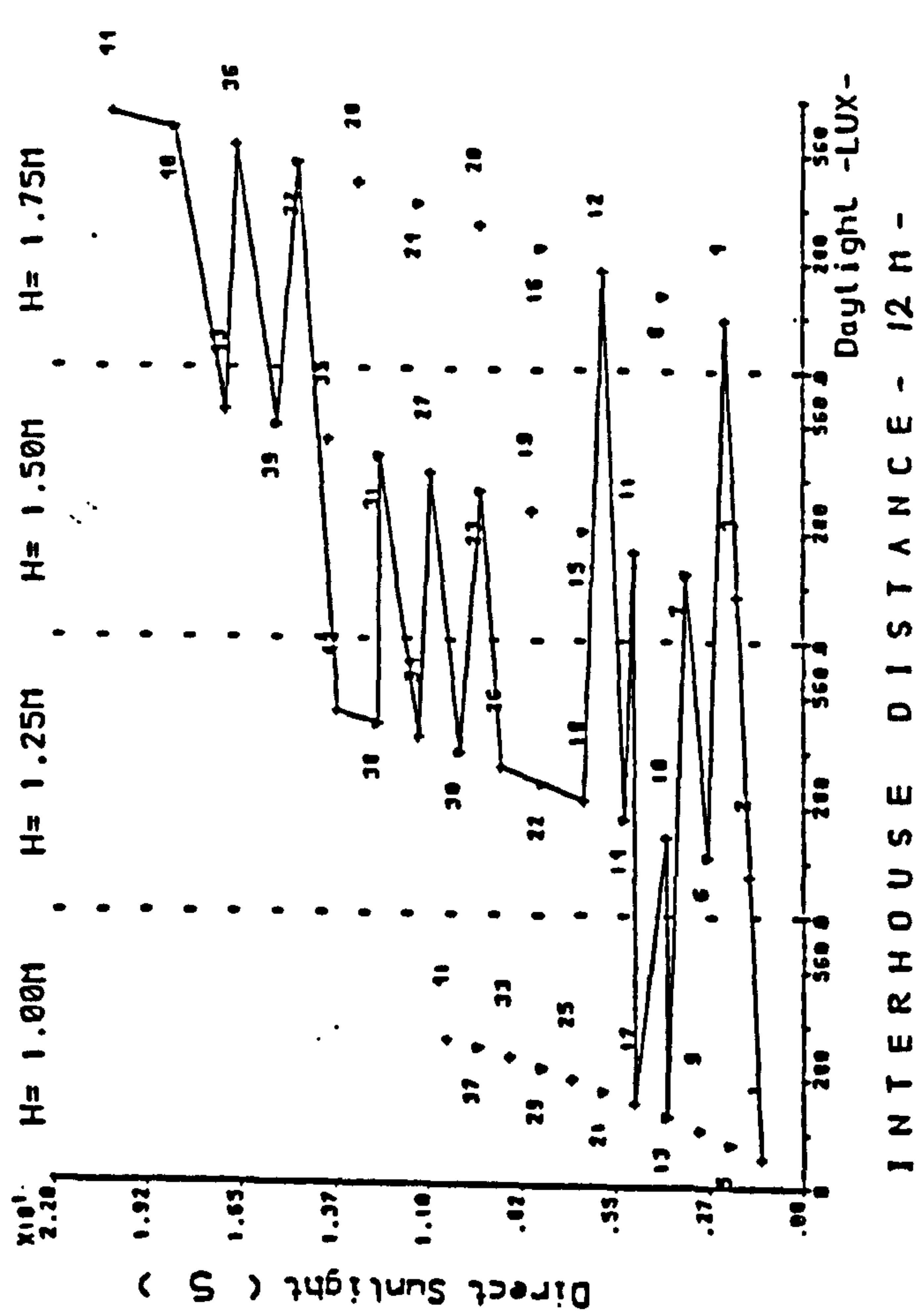
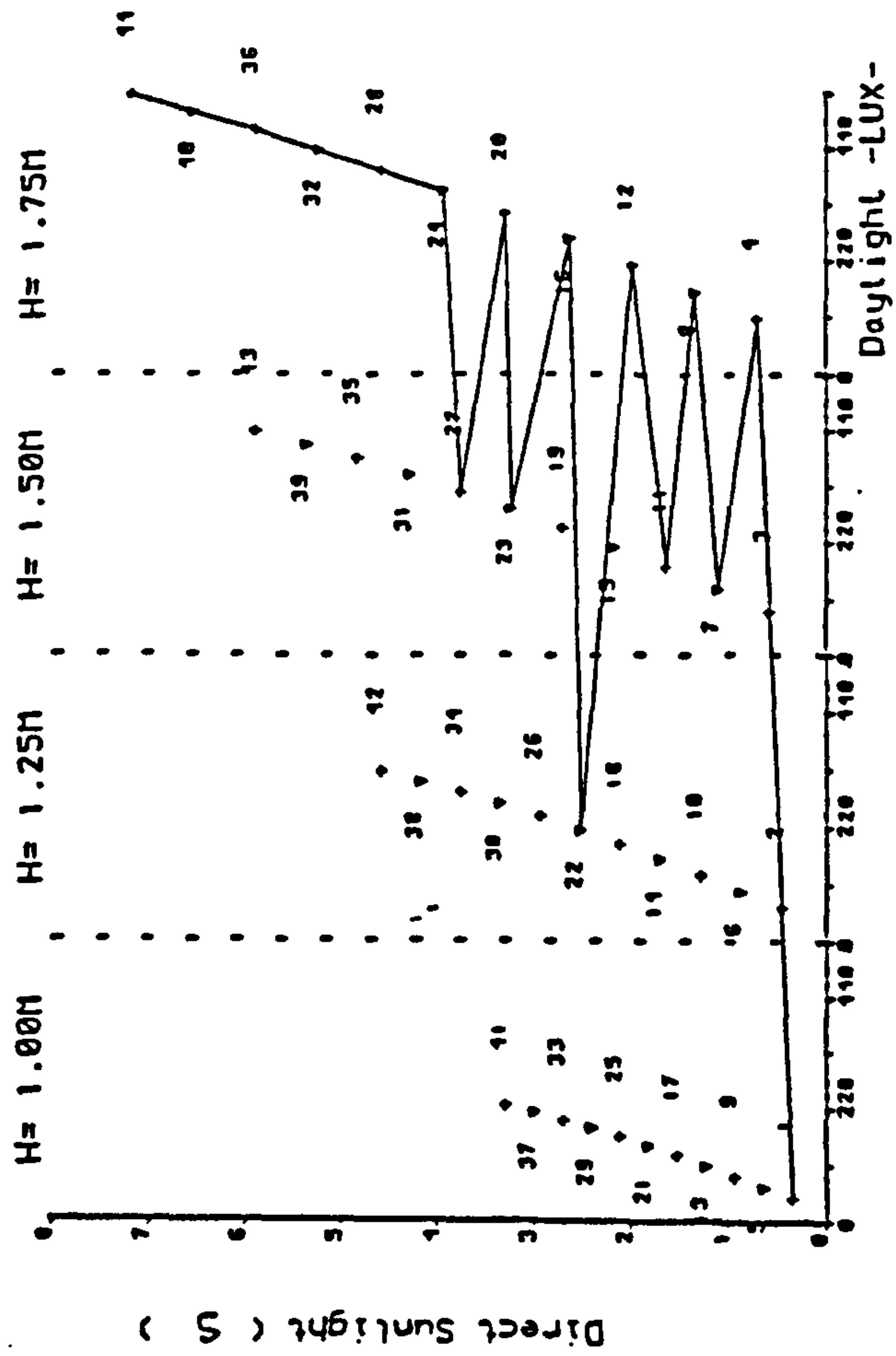


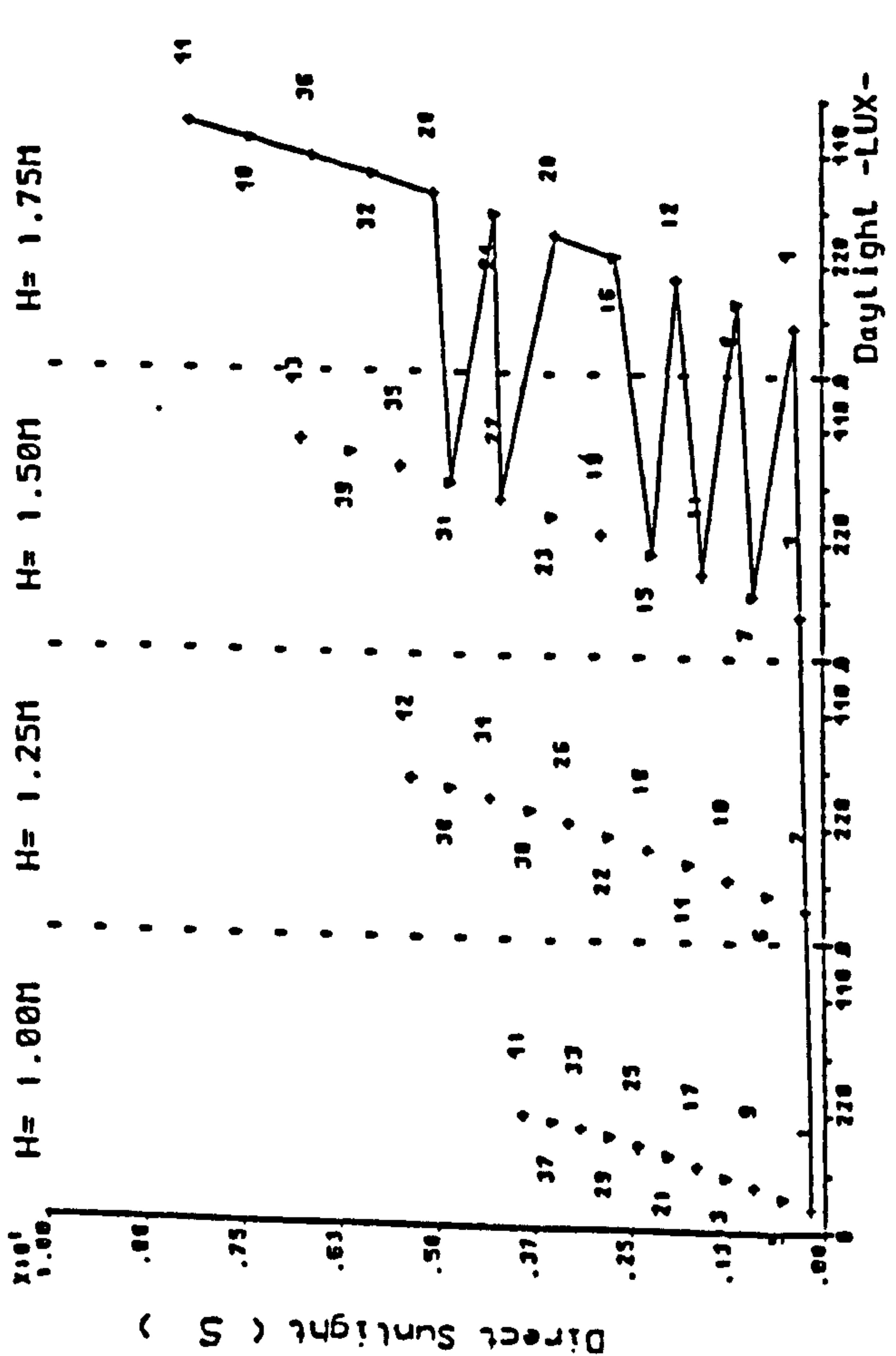
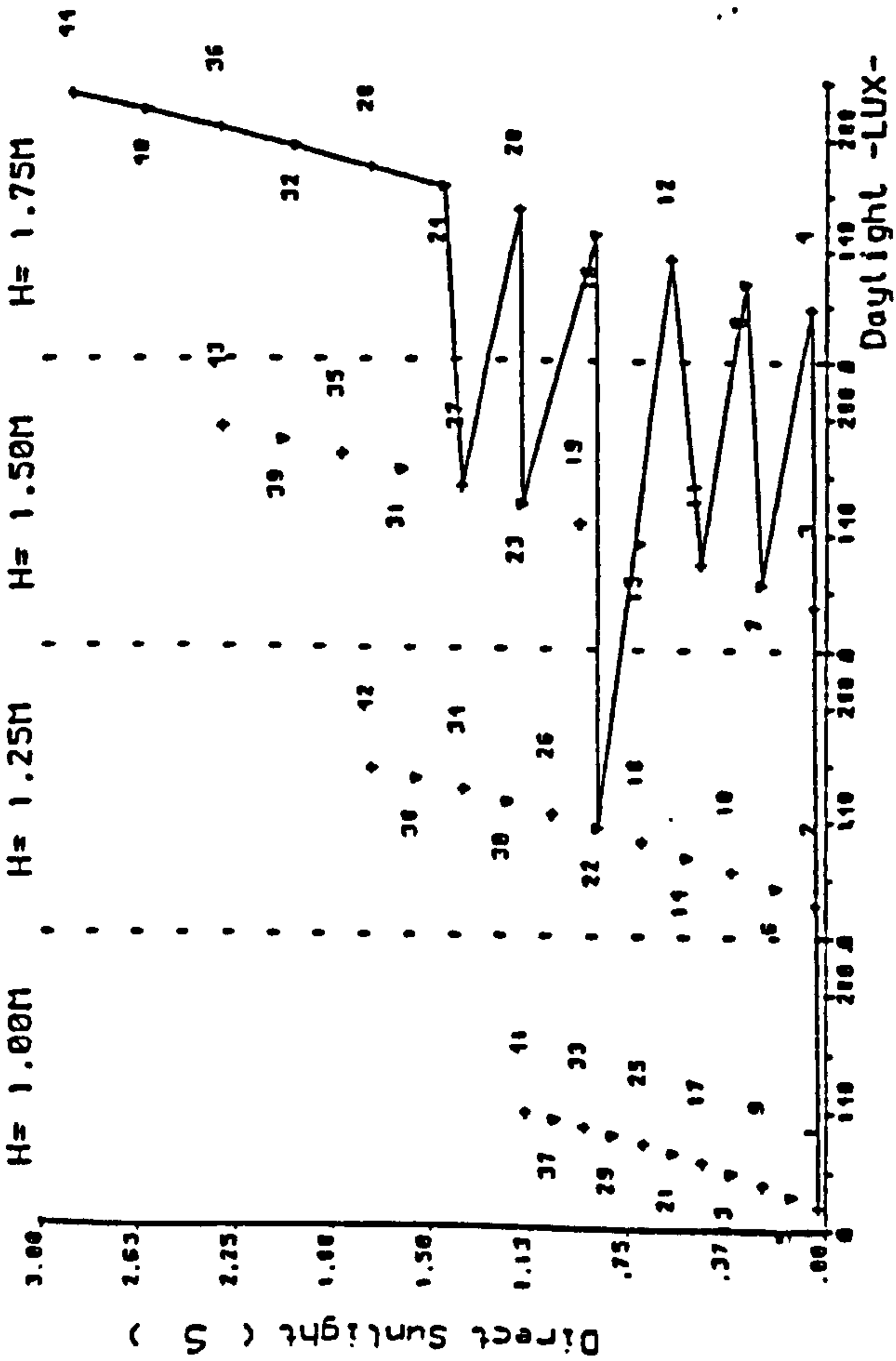
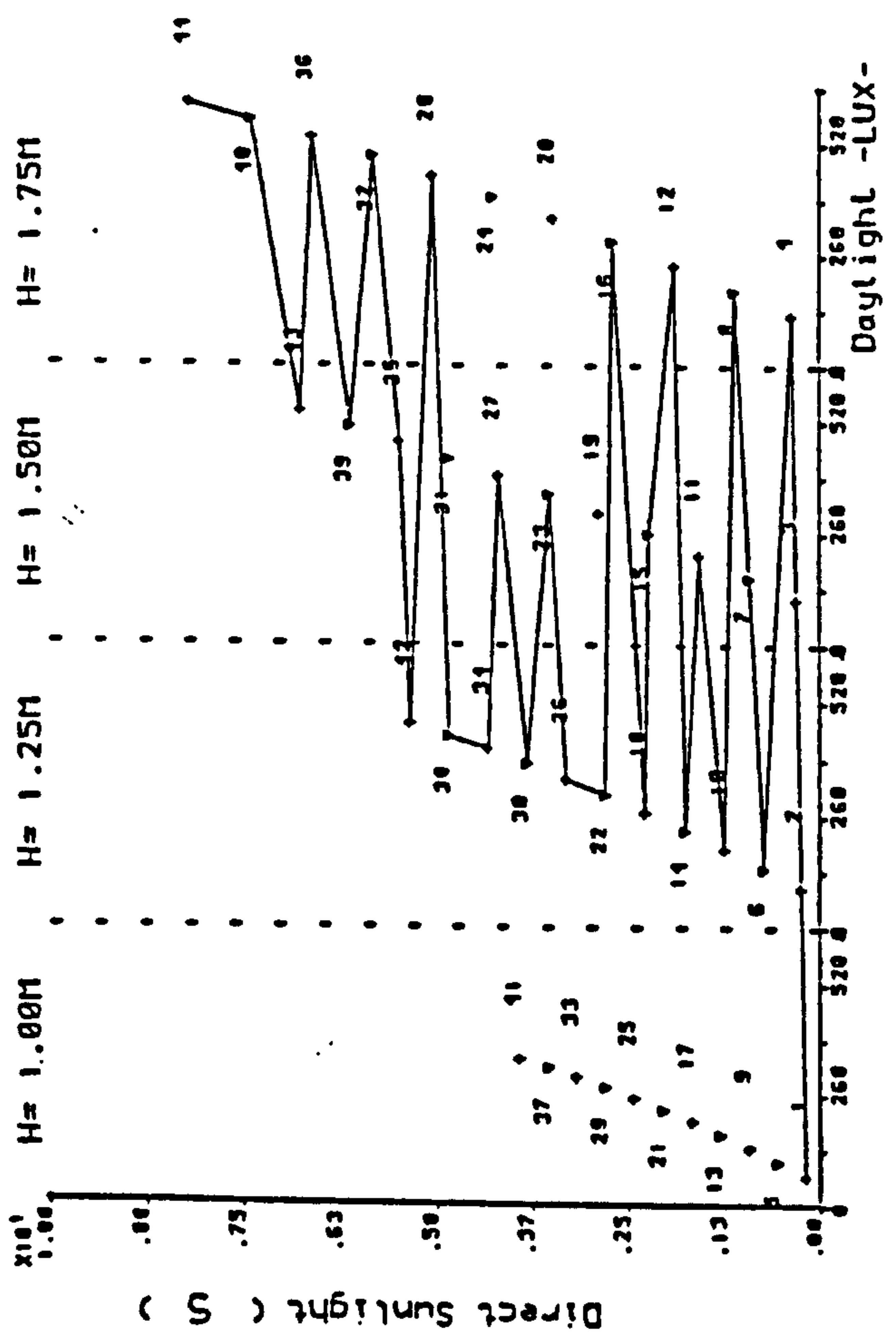
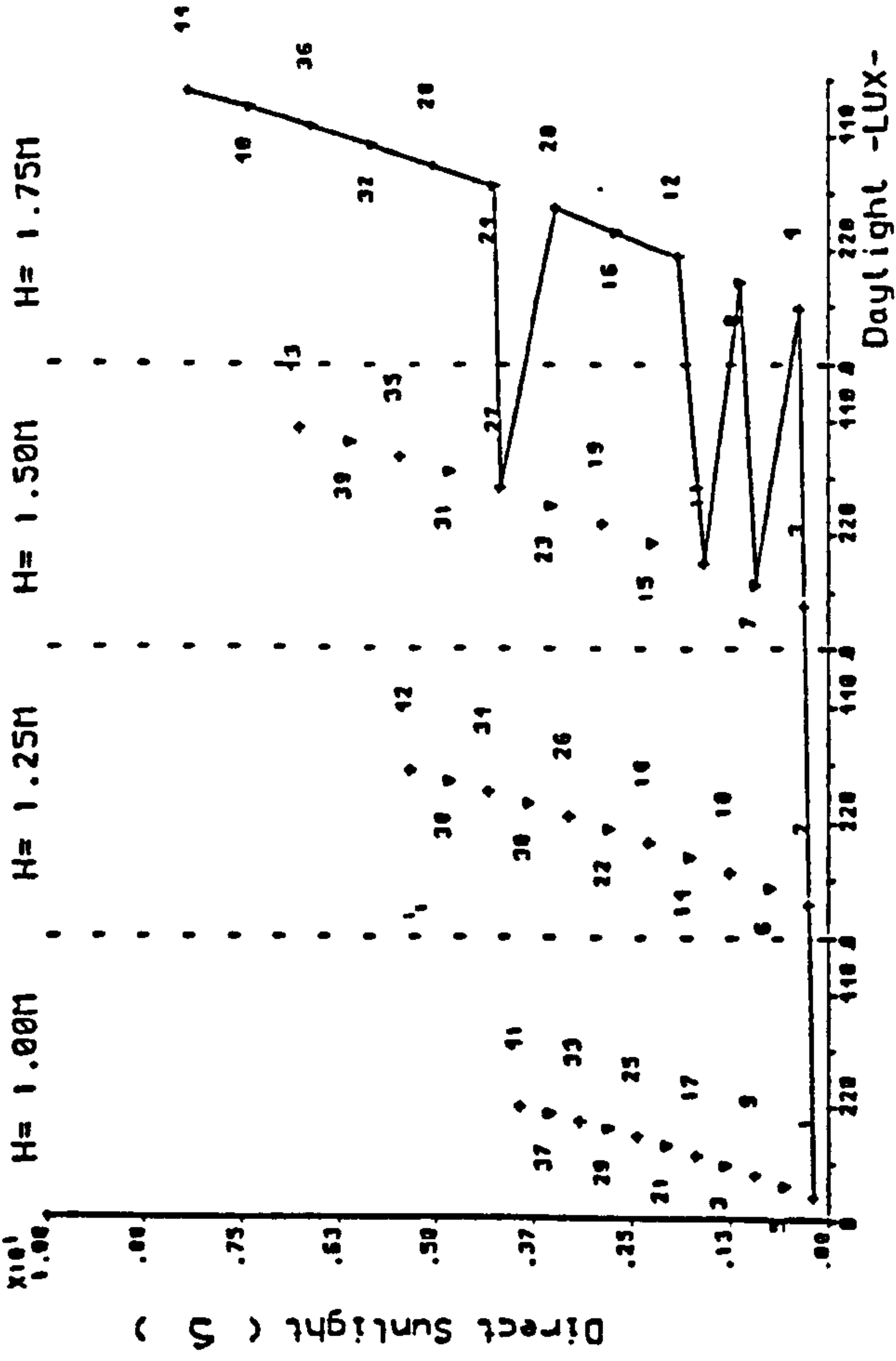
INTERHOUSE DISTANCE - 12M -

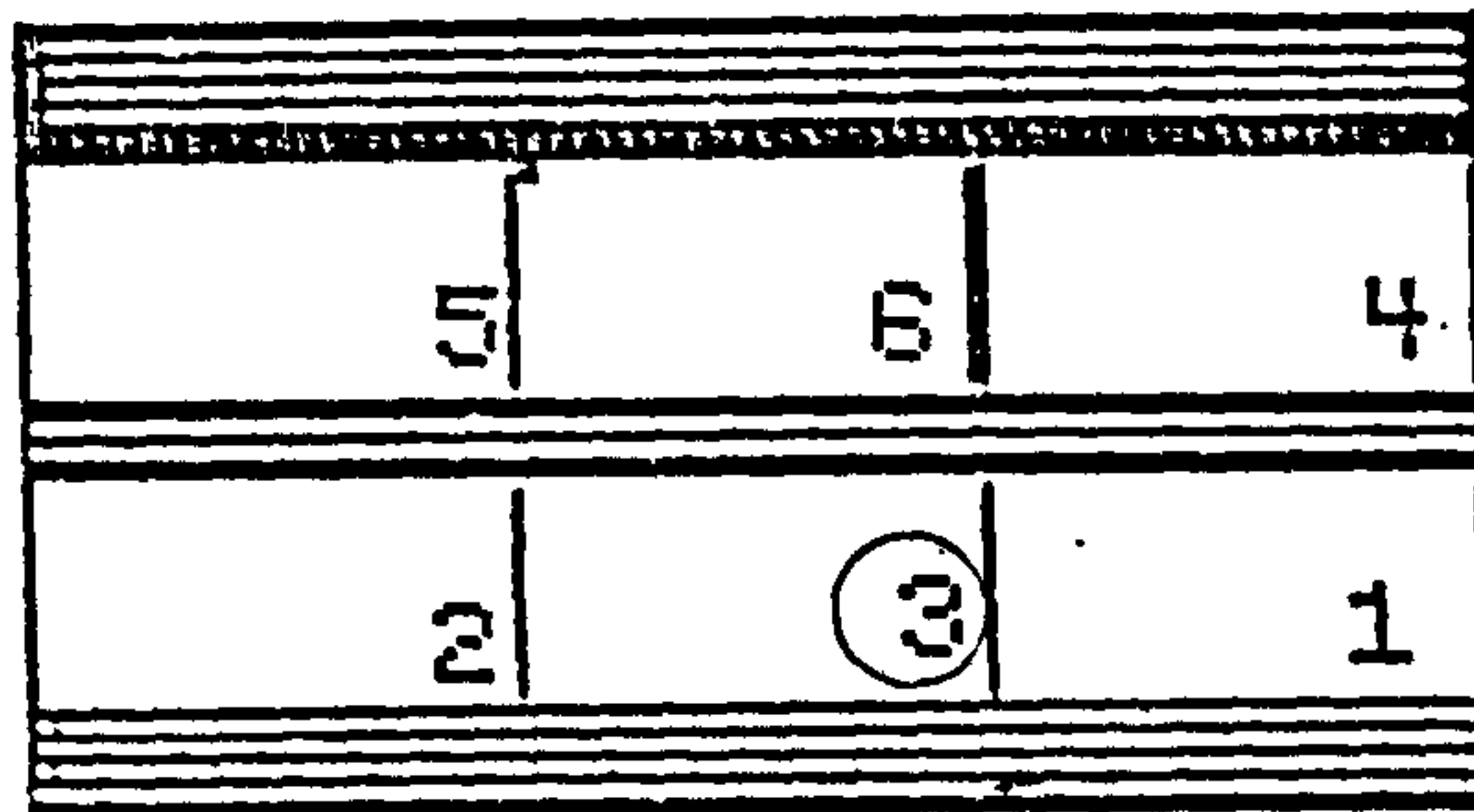












Key diagram showing the location  
of window data . . . . .

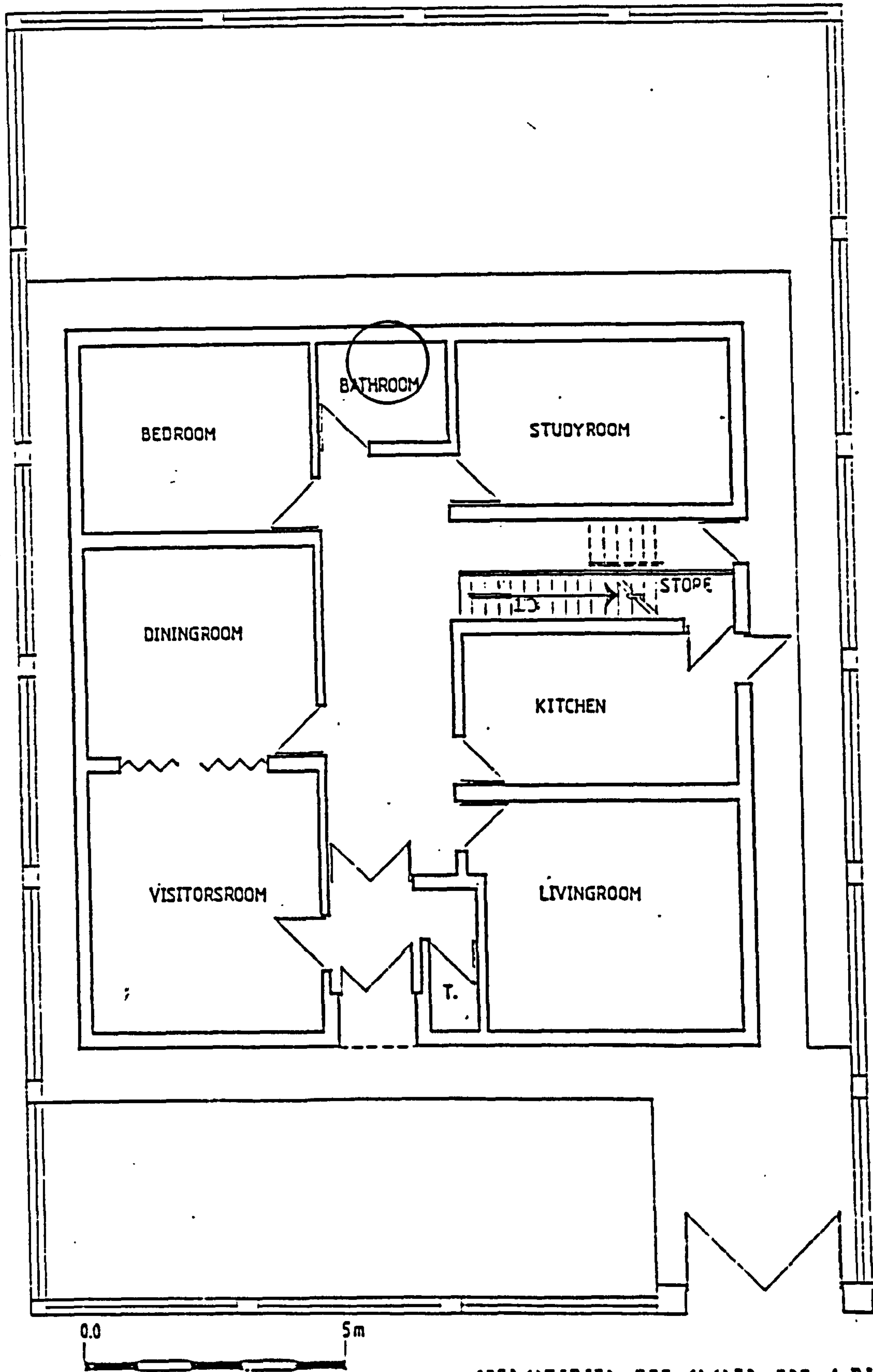
Back Wall  
2 Storey

Interhouse Distance

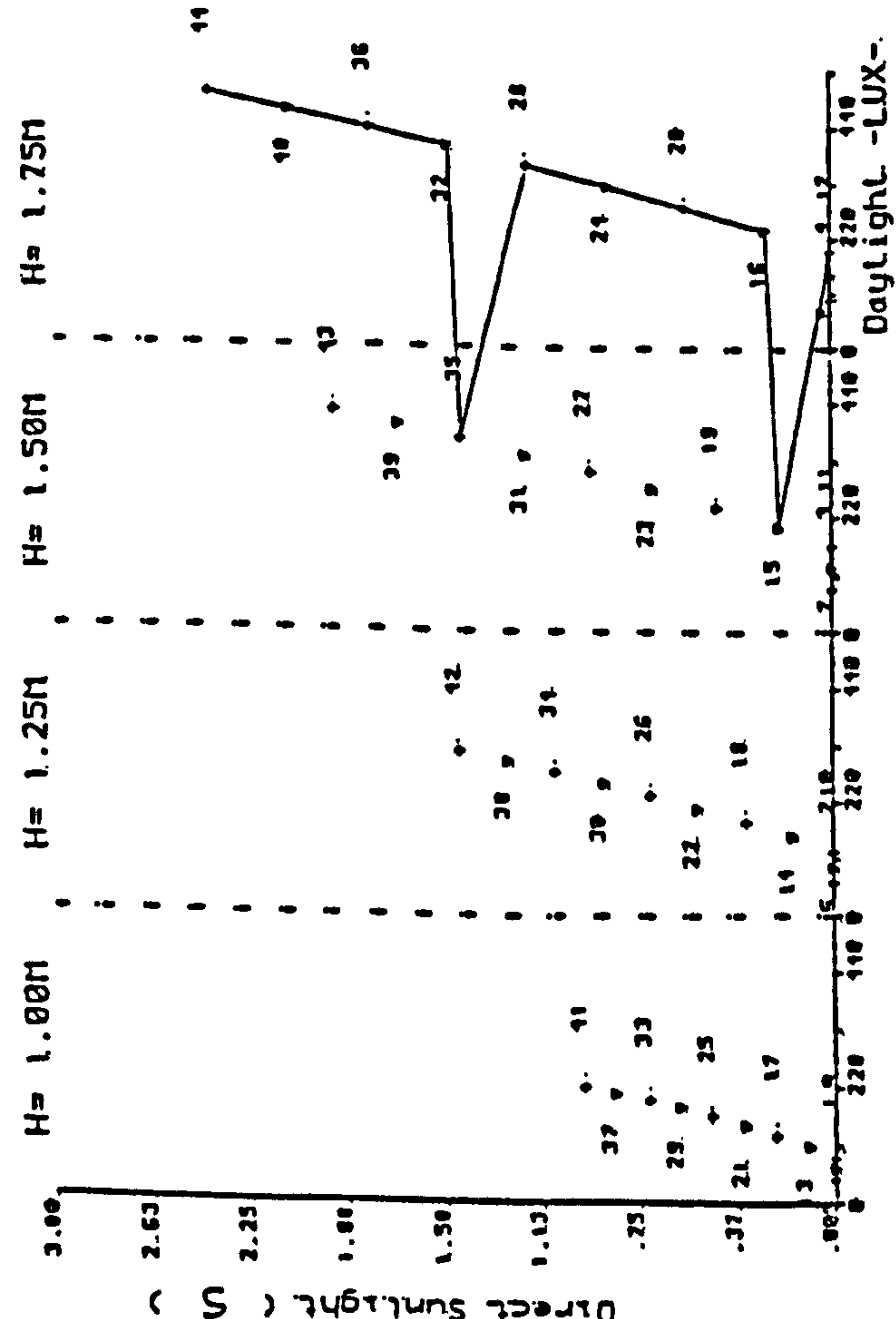
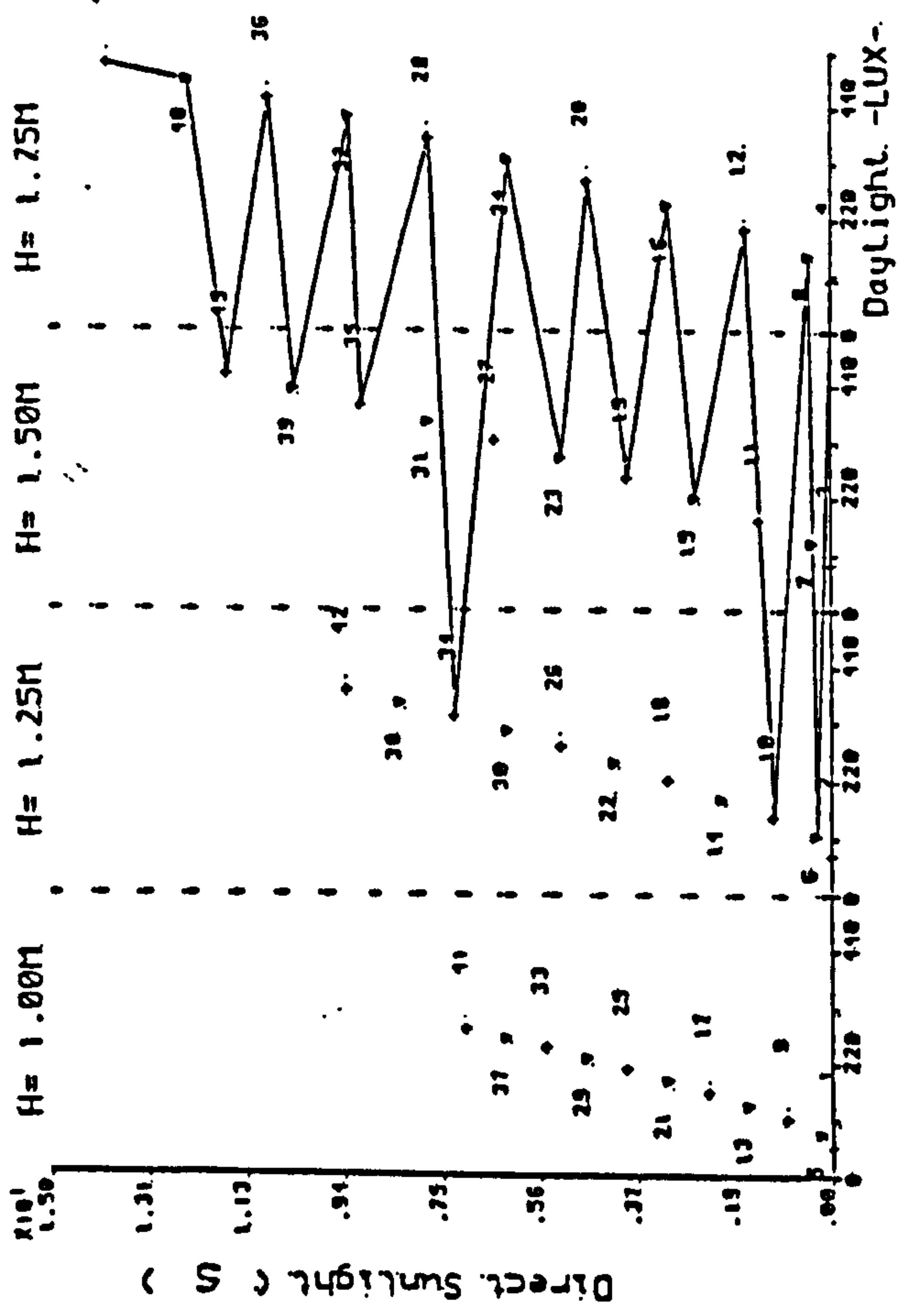
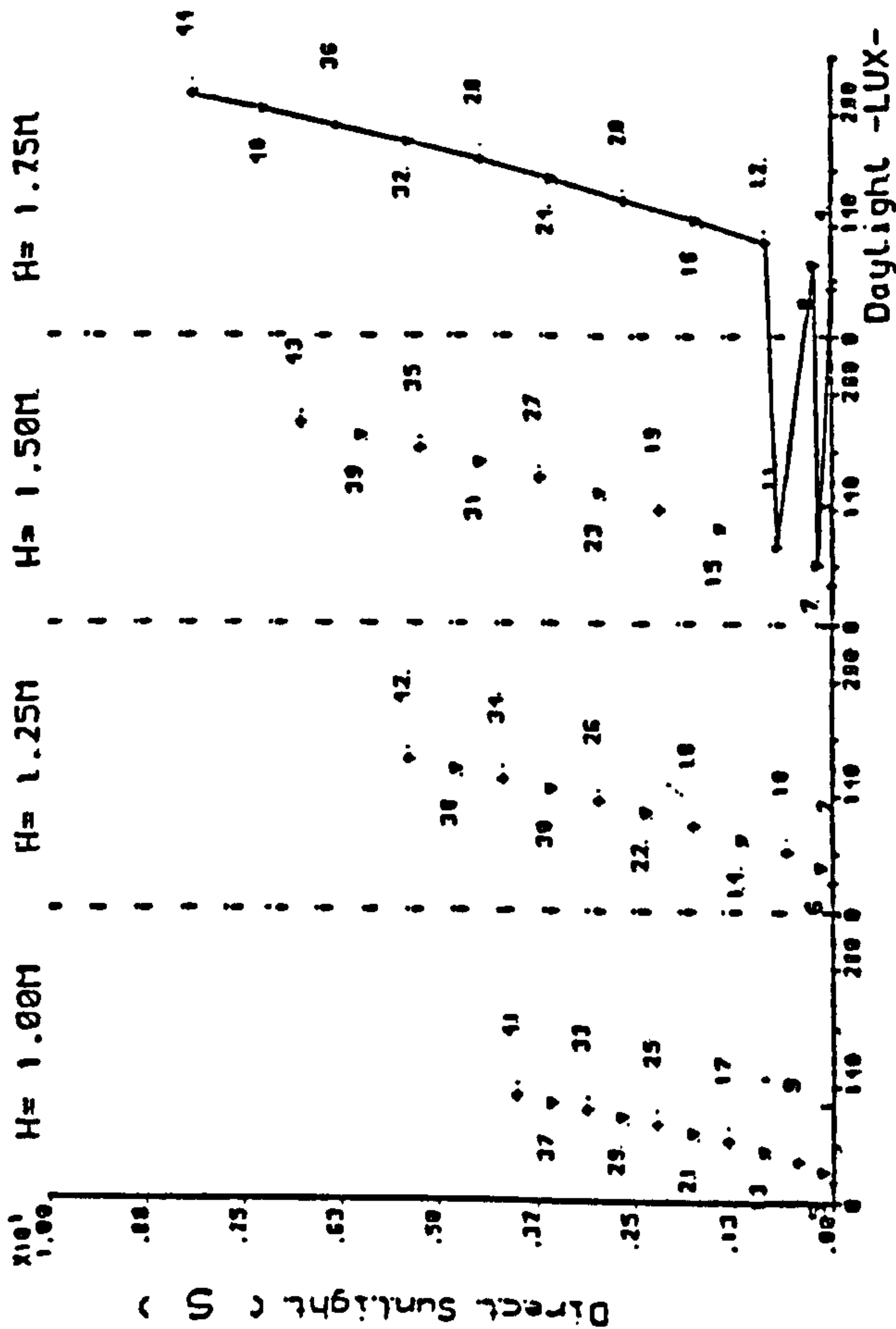
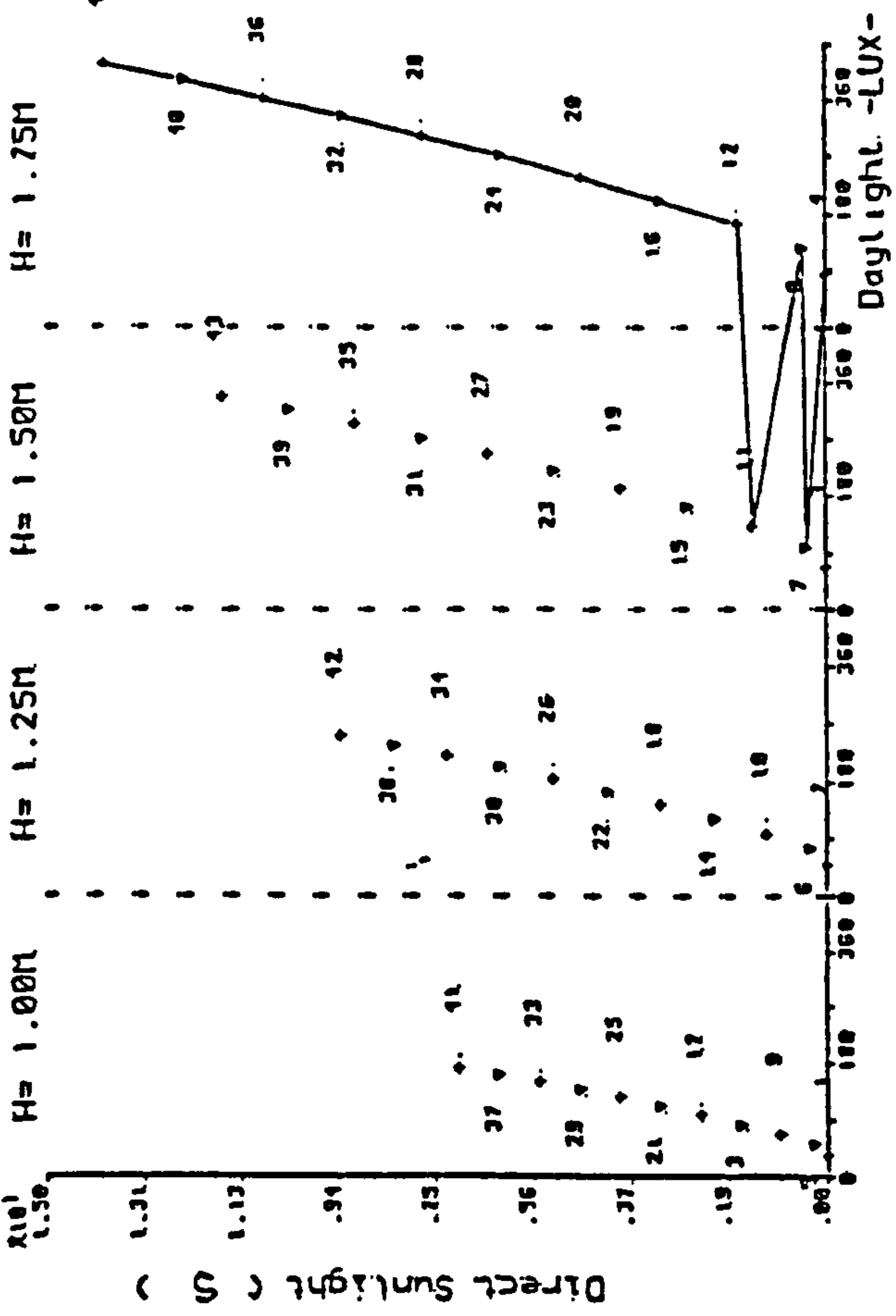
4, 6, 8 and 12m.

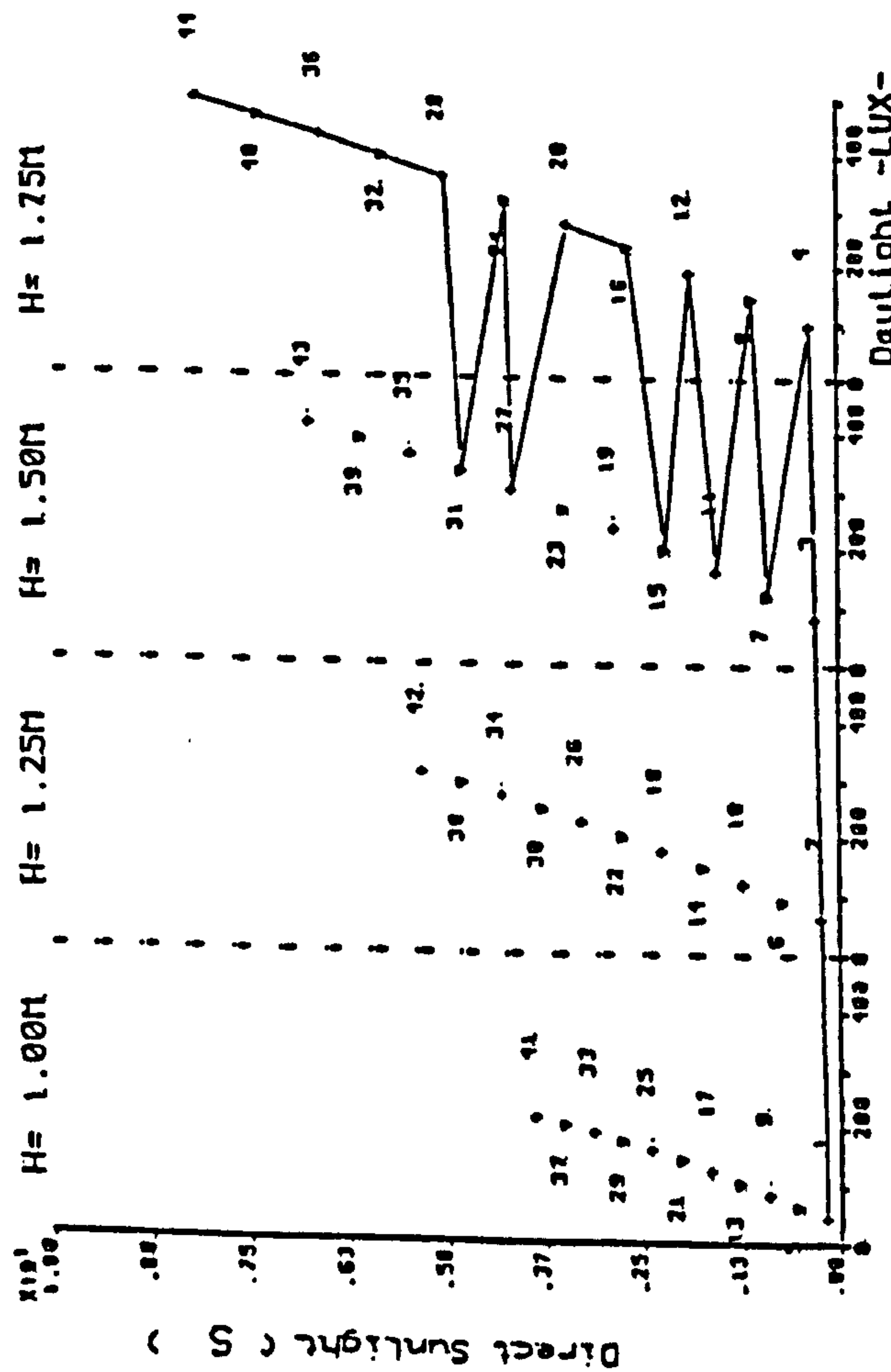
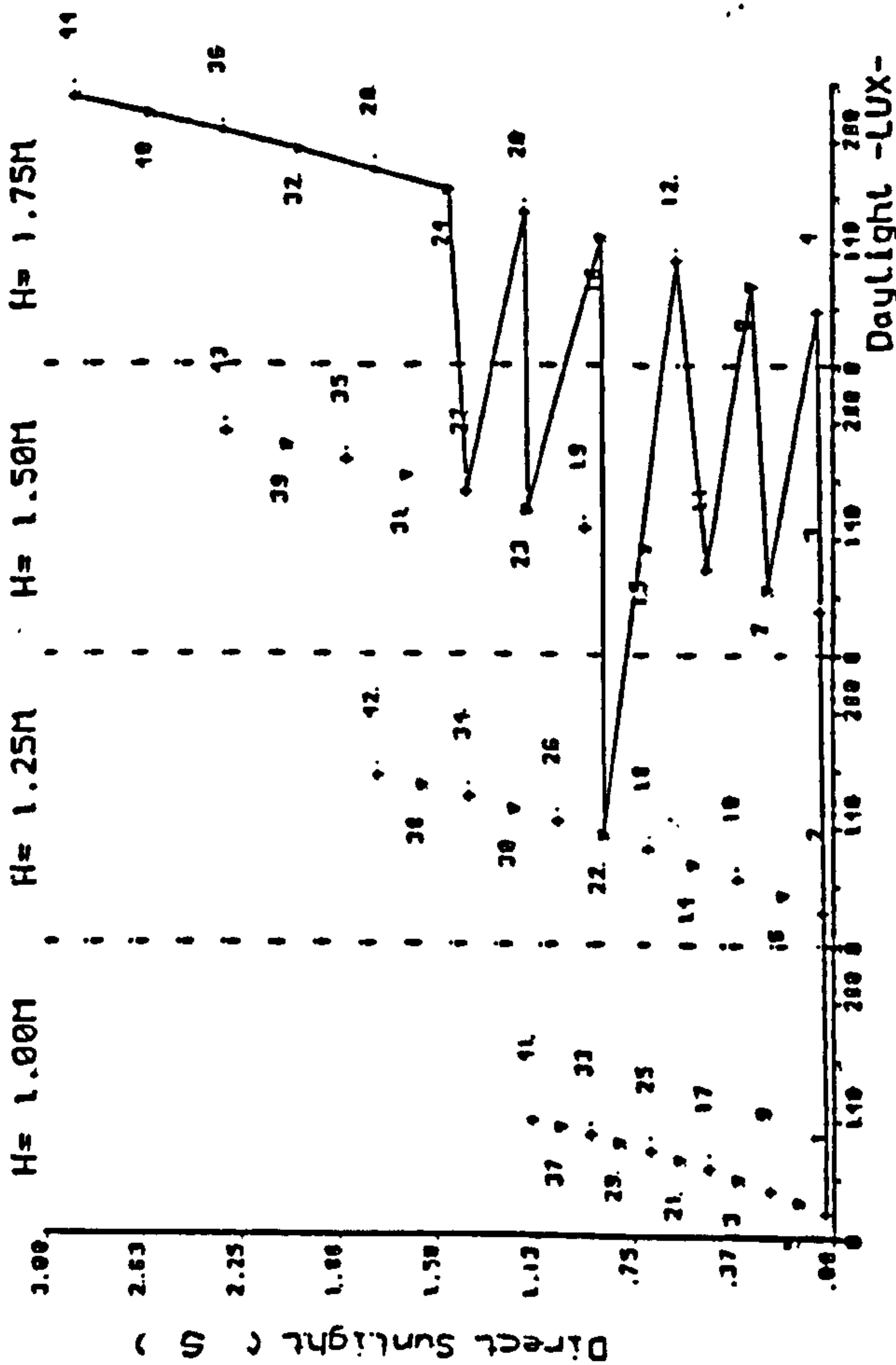
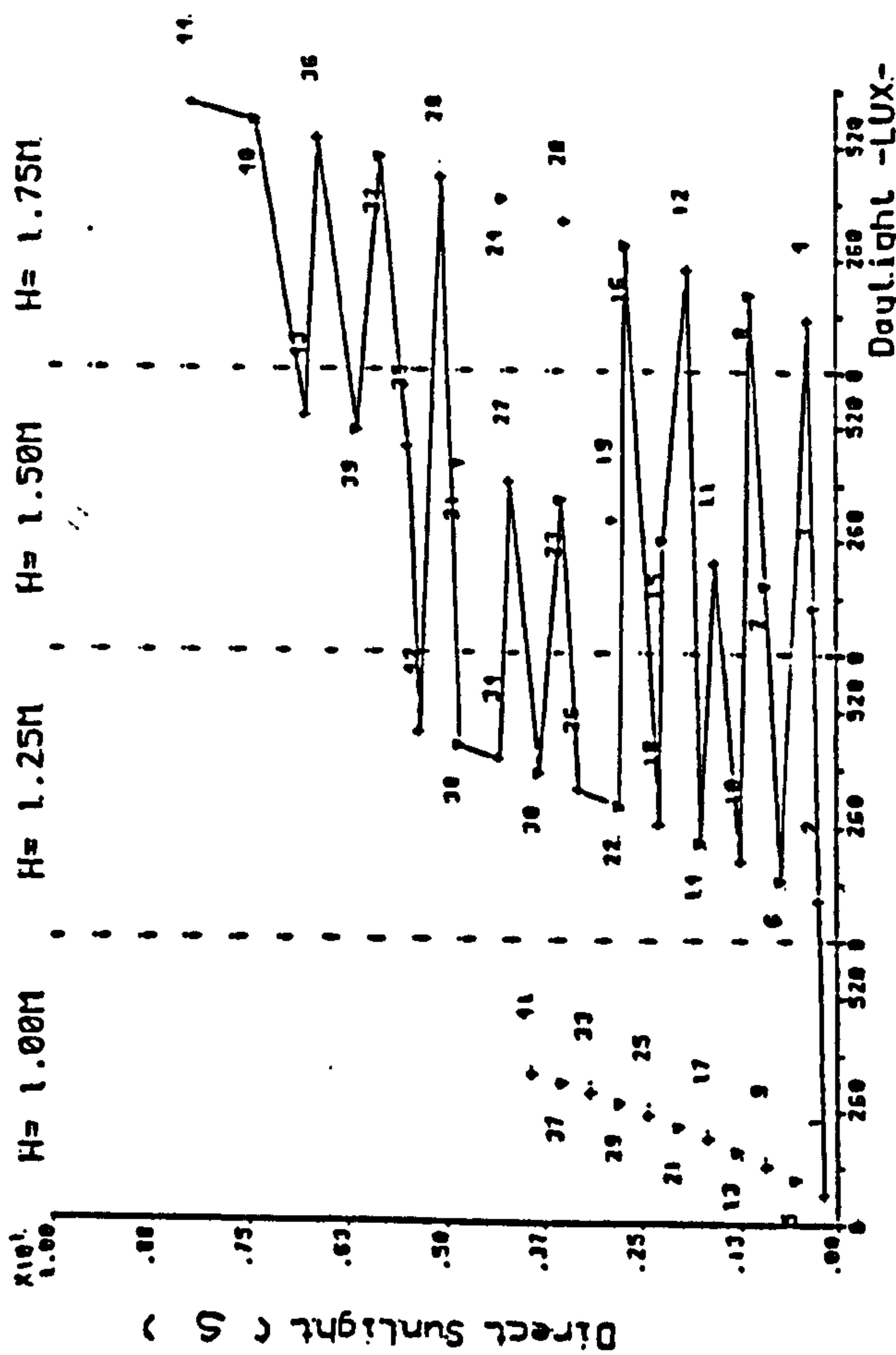
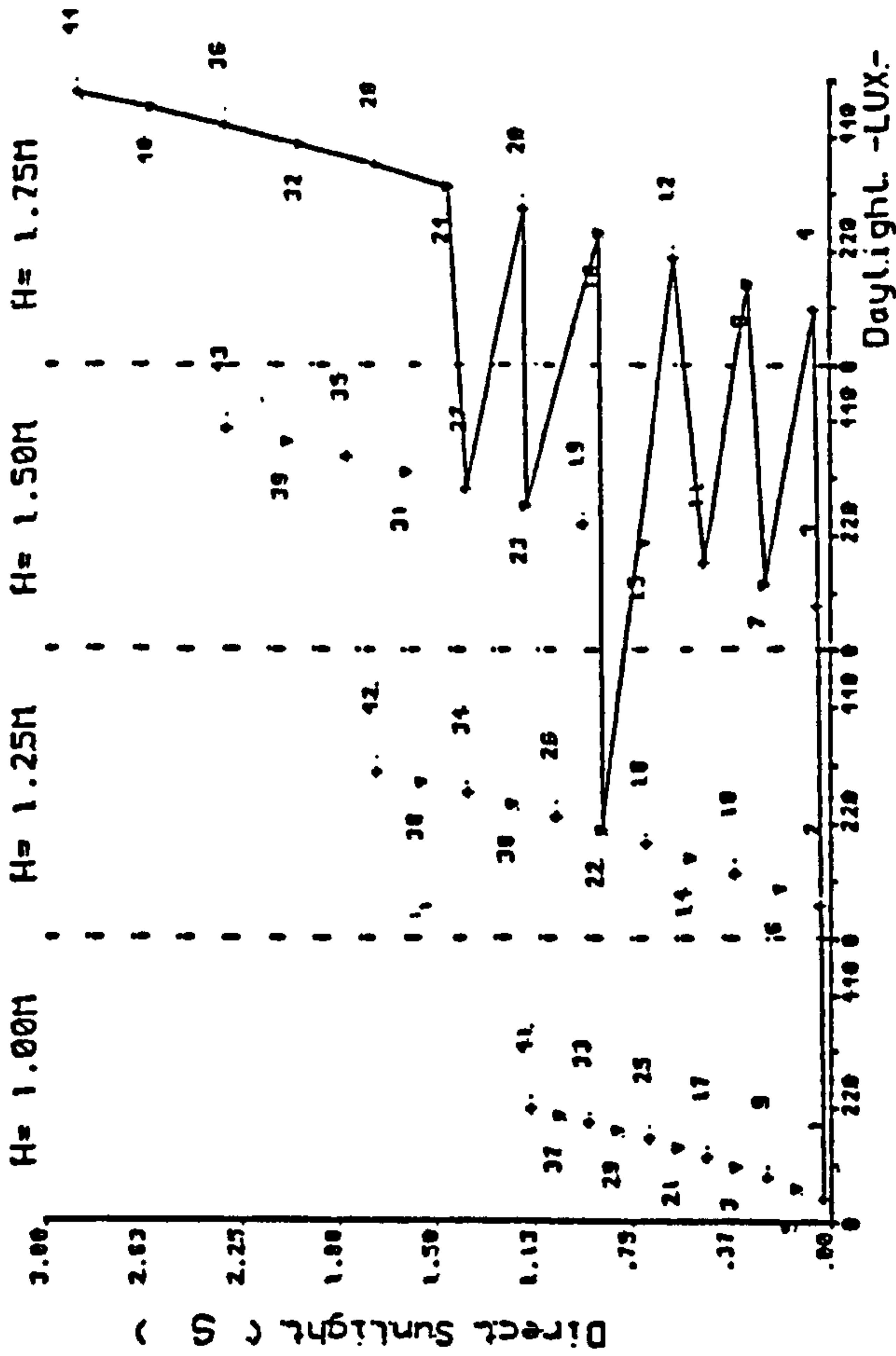
ORIENTATION	PAGE NO.
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22.5	1609
45	1610
67.5	1611
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112.5	1613
135	1614
157.5	1615
180	1616
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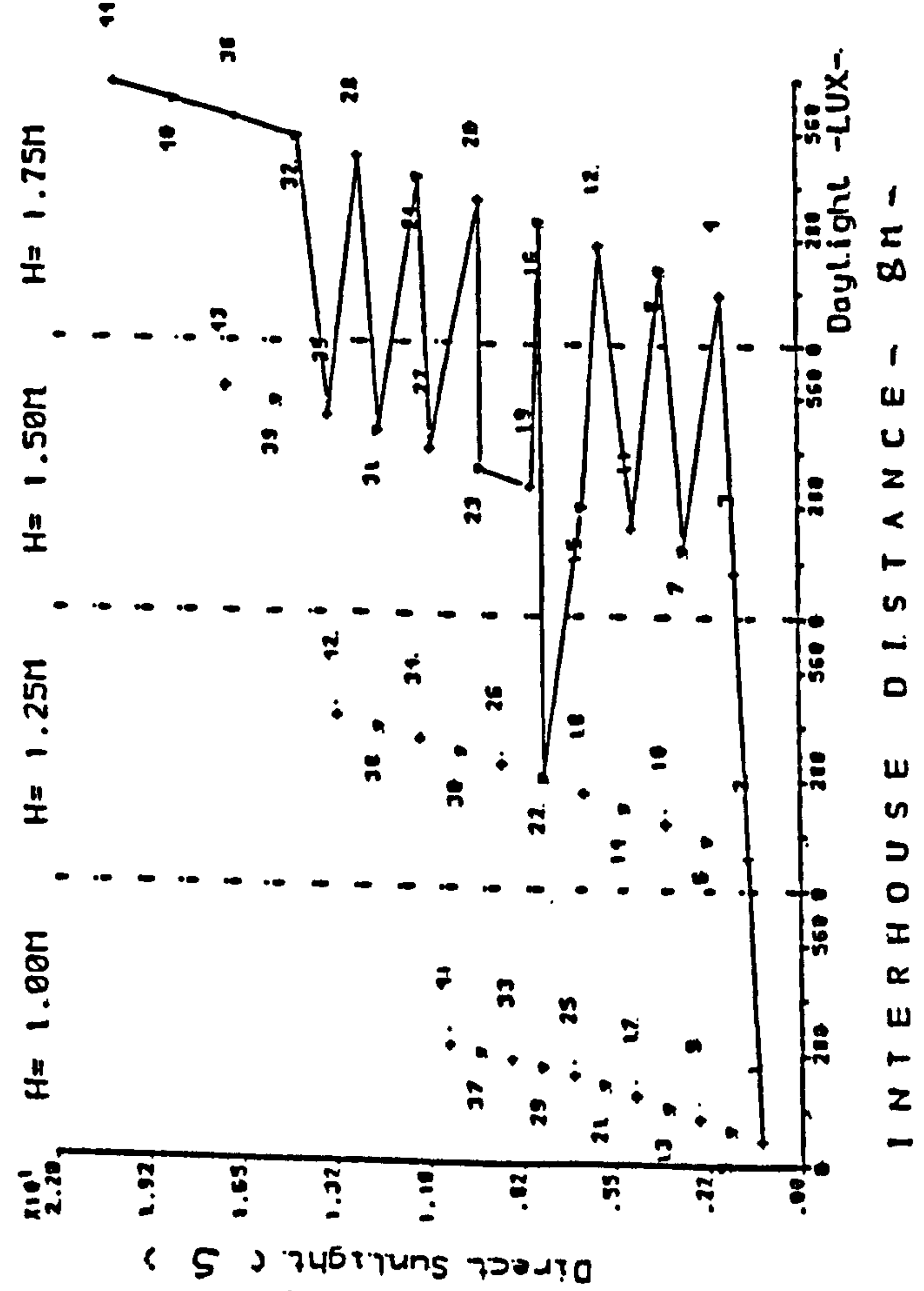
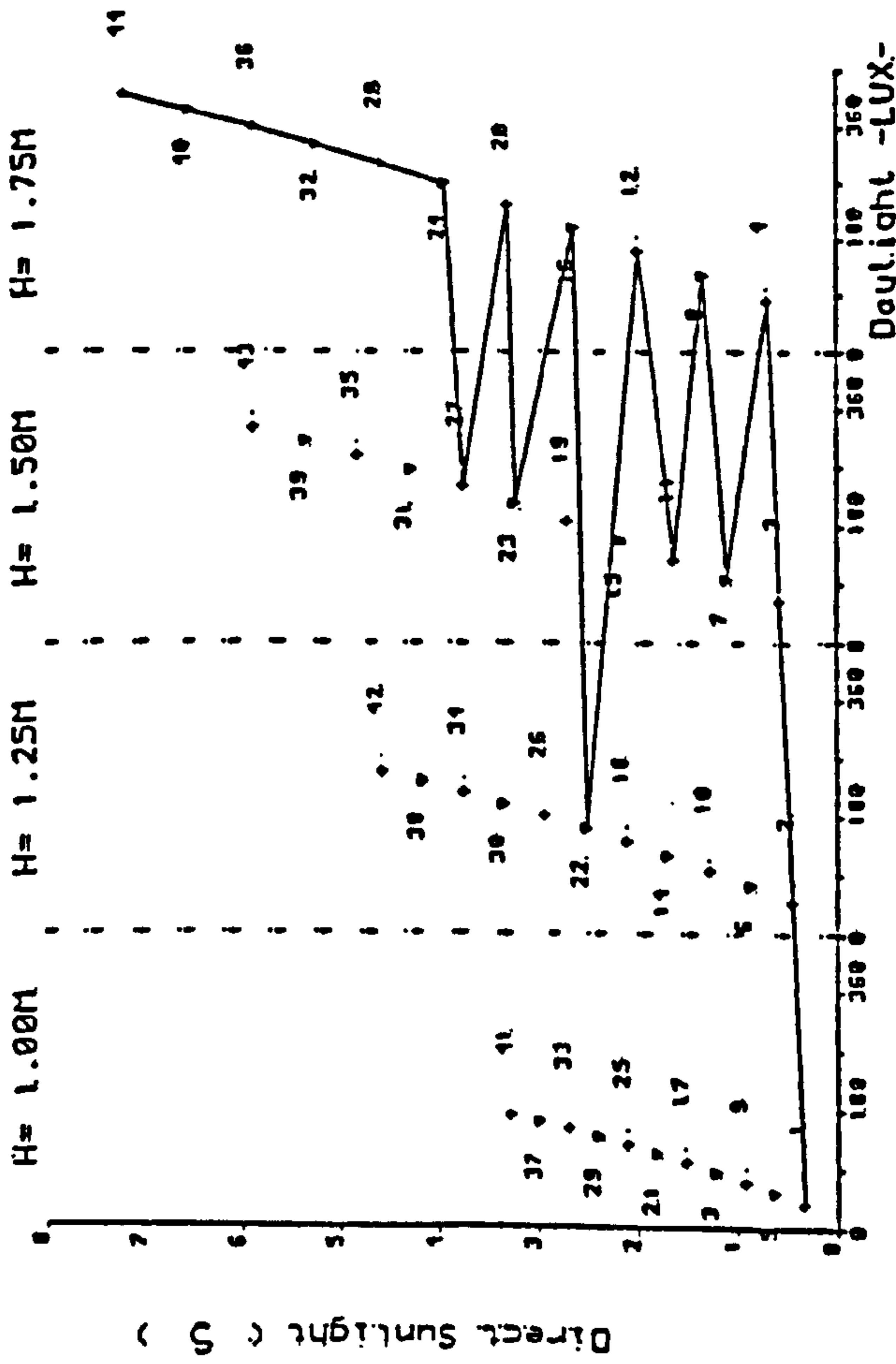
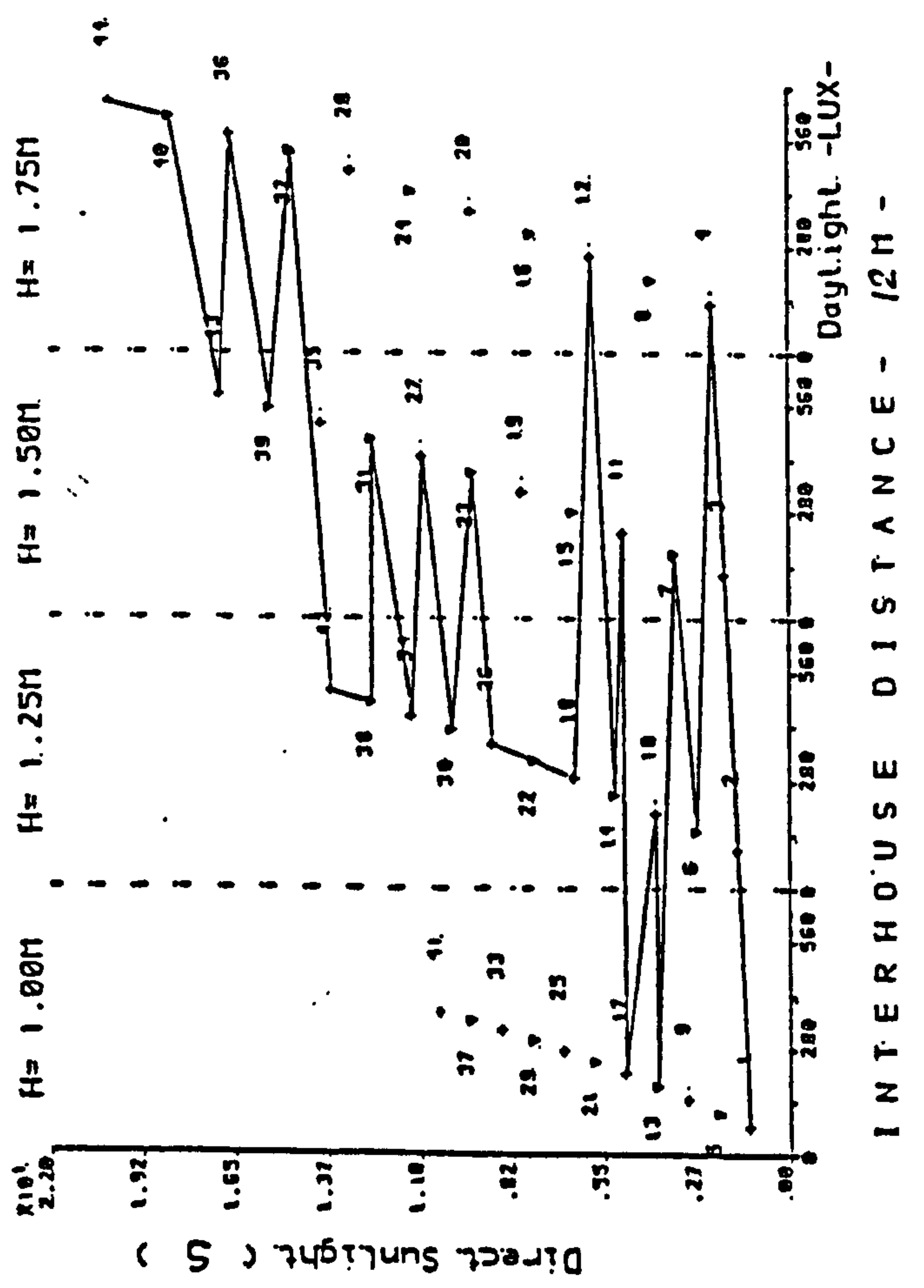
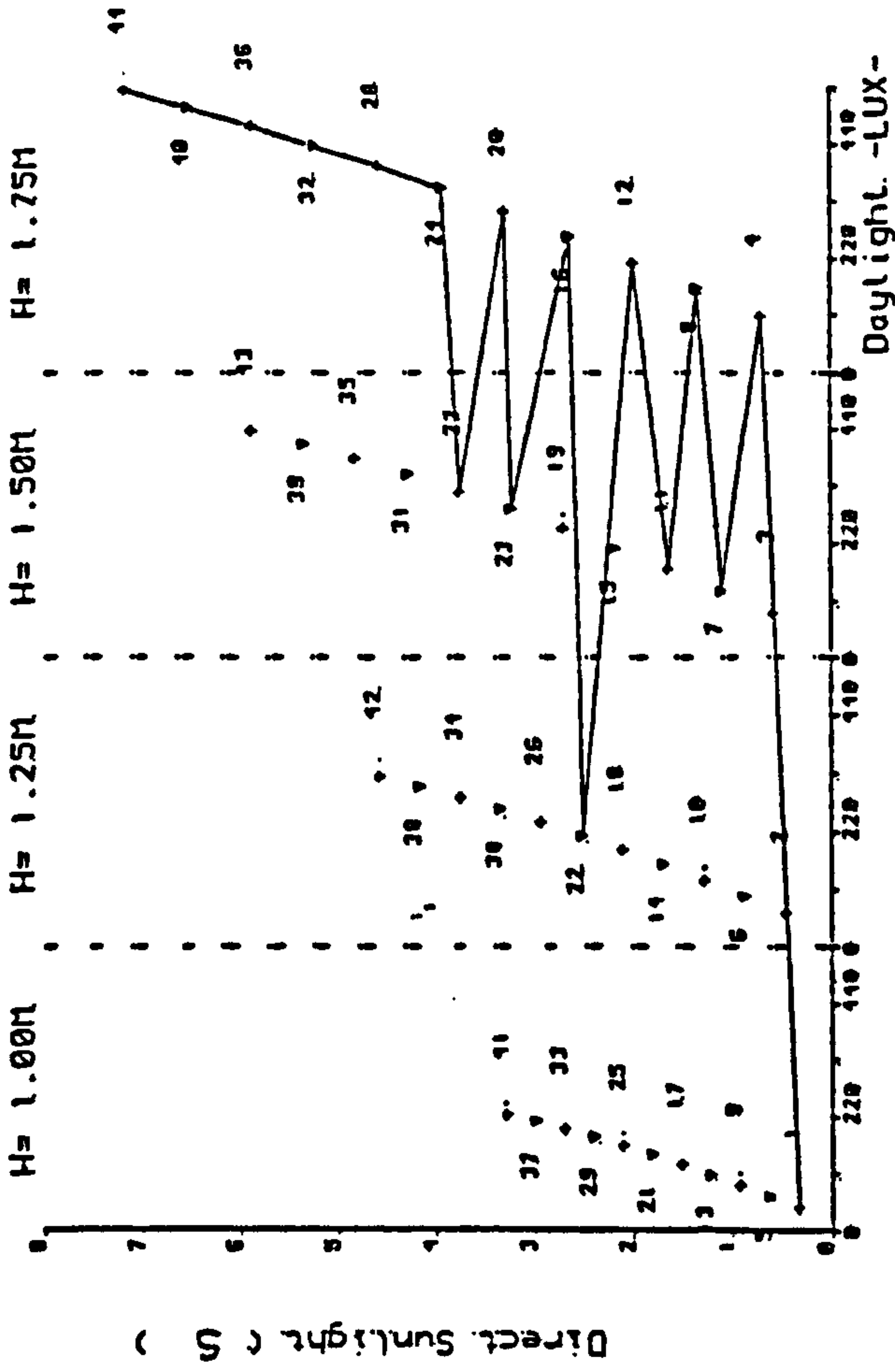




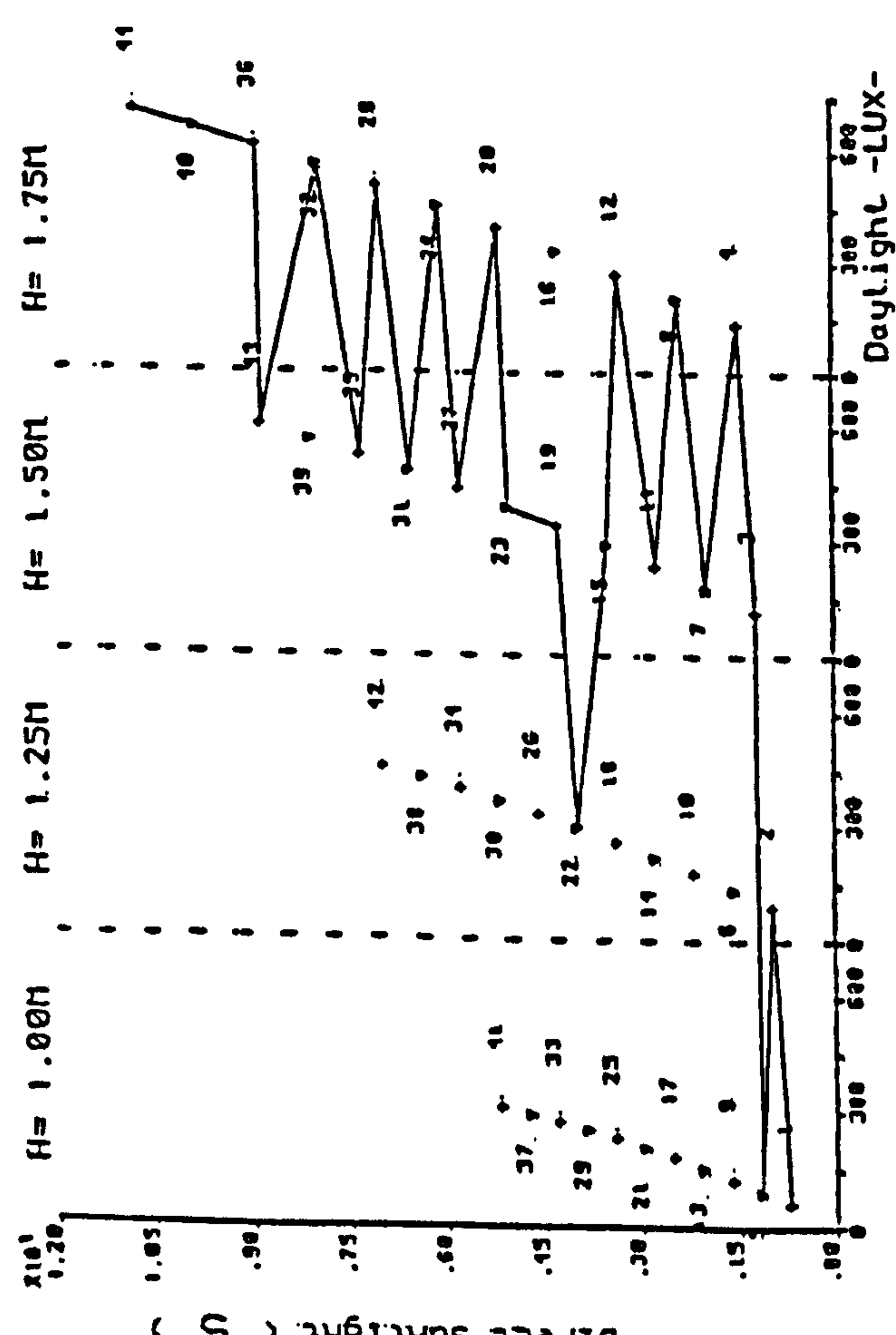
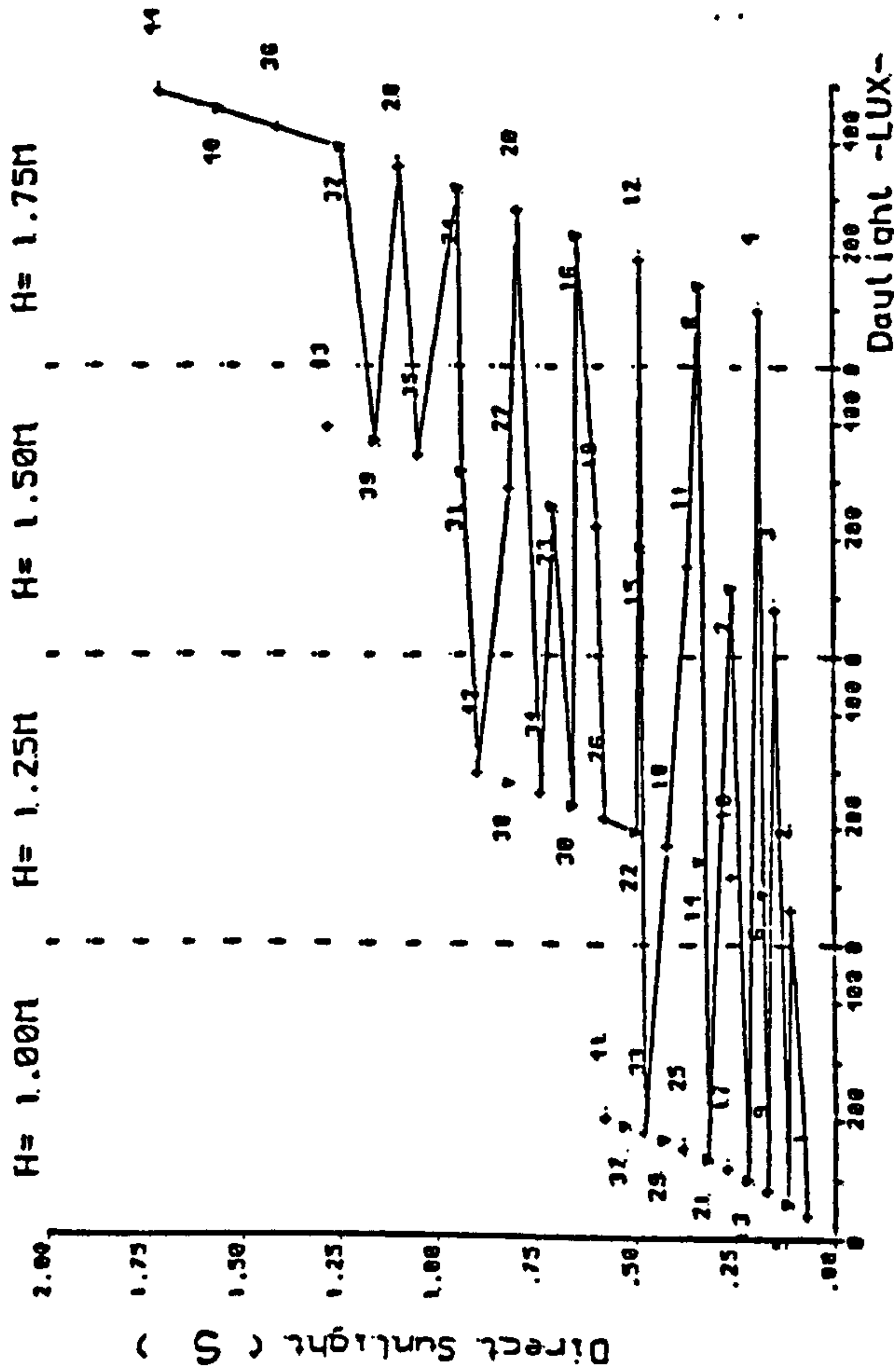
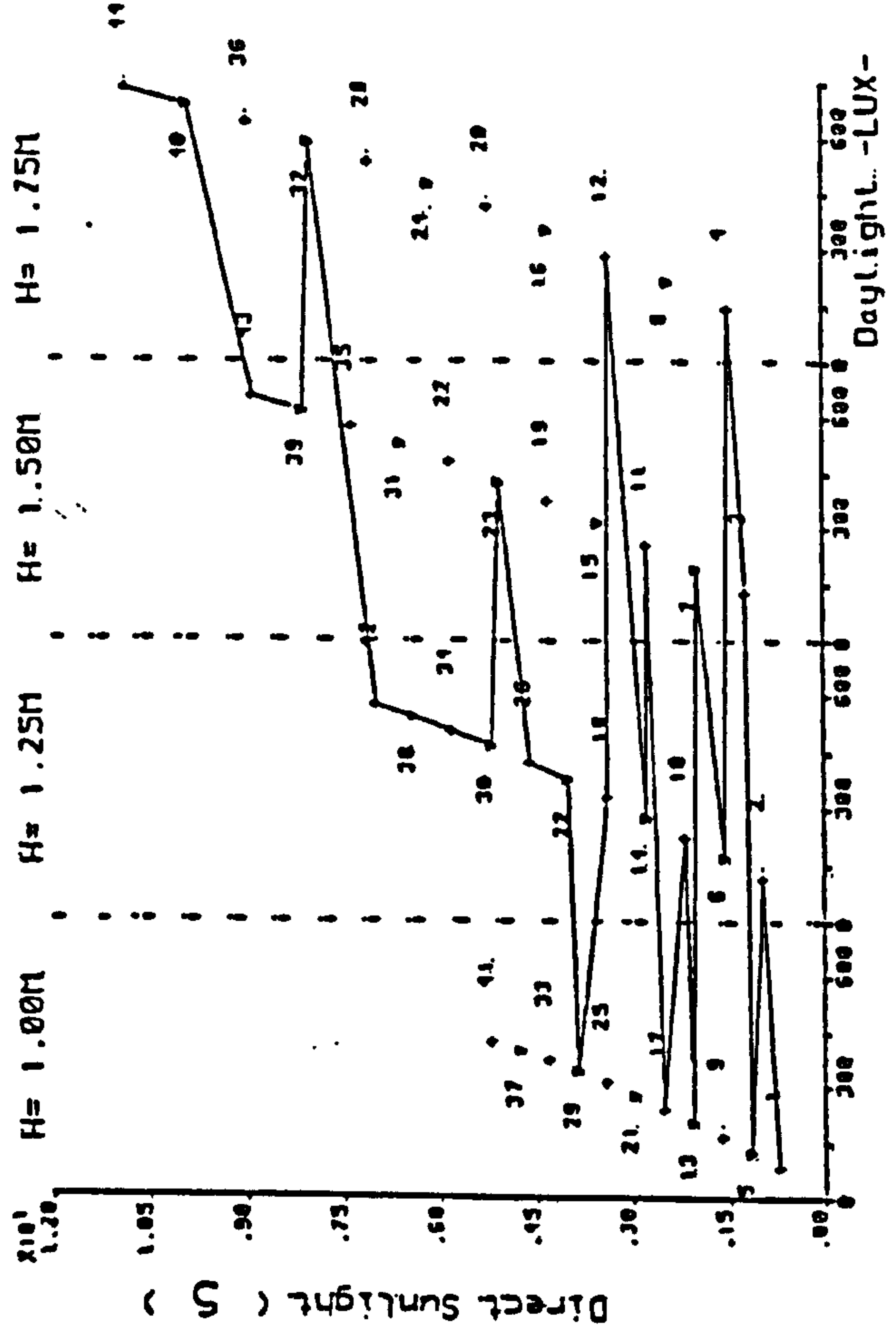
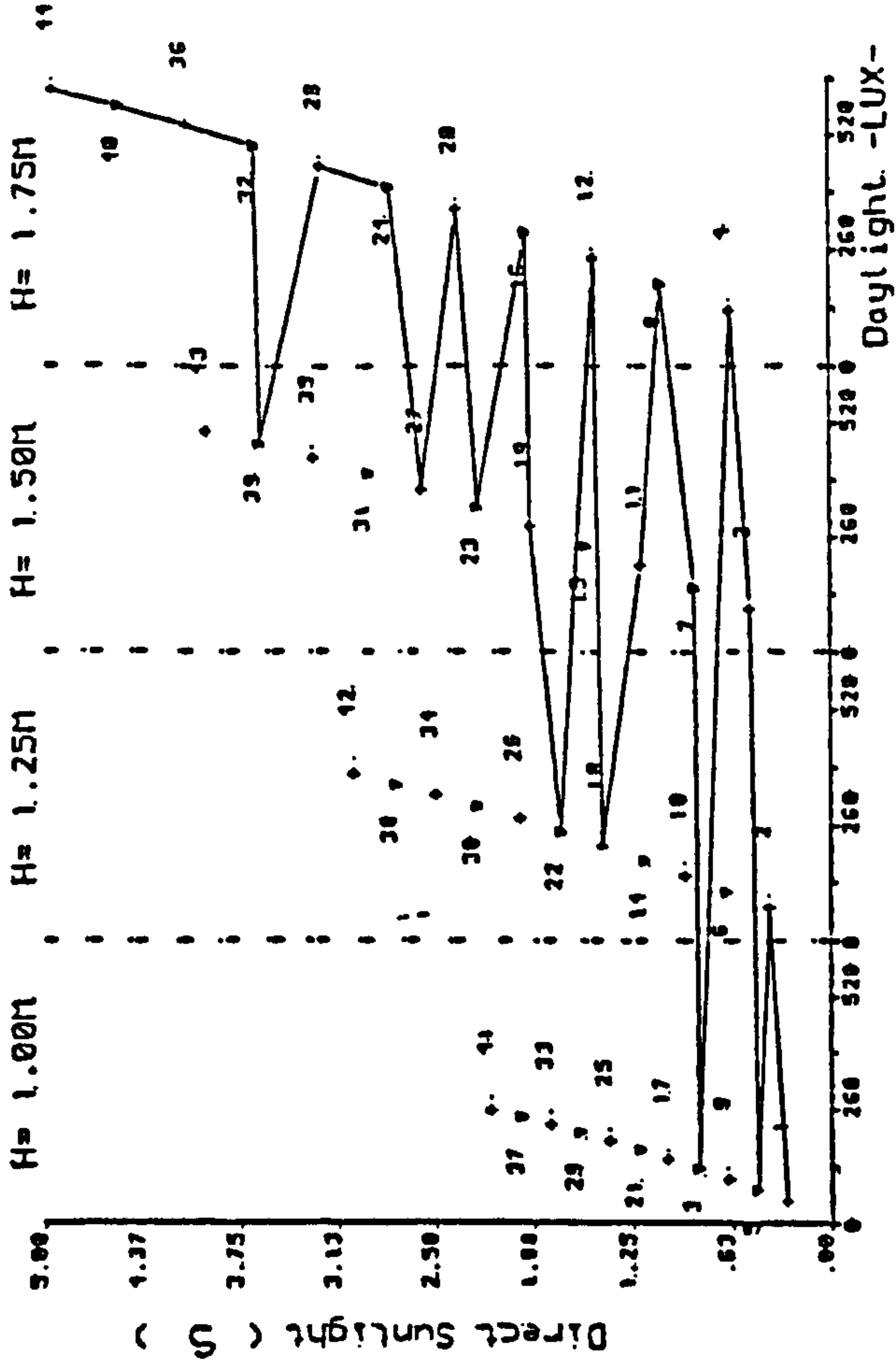
GROUND FLOOR PLAN

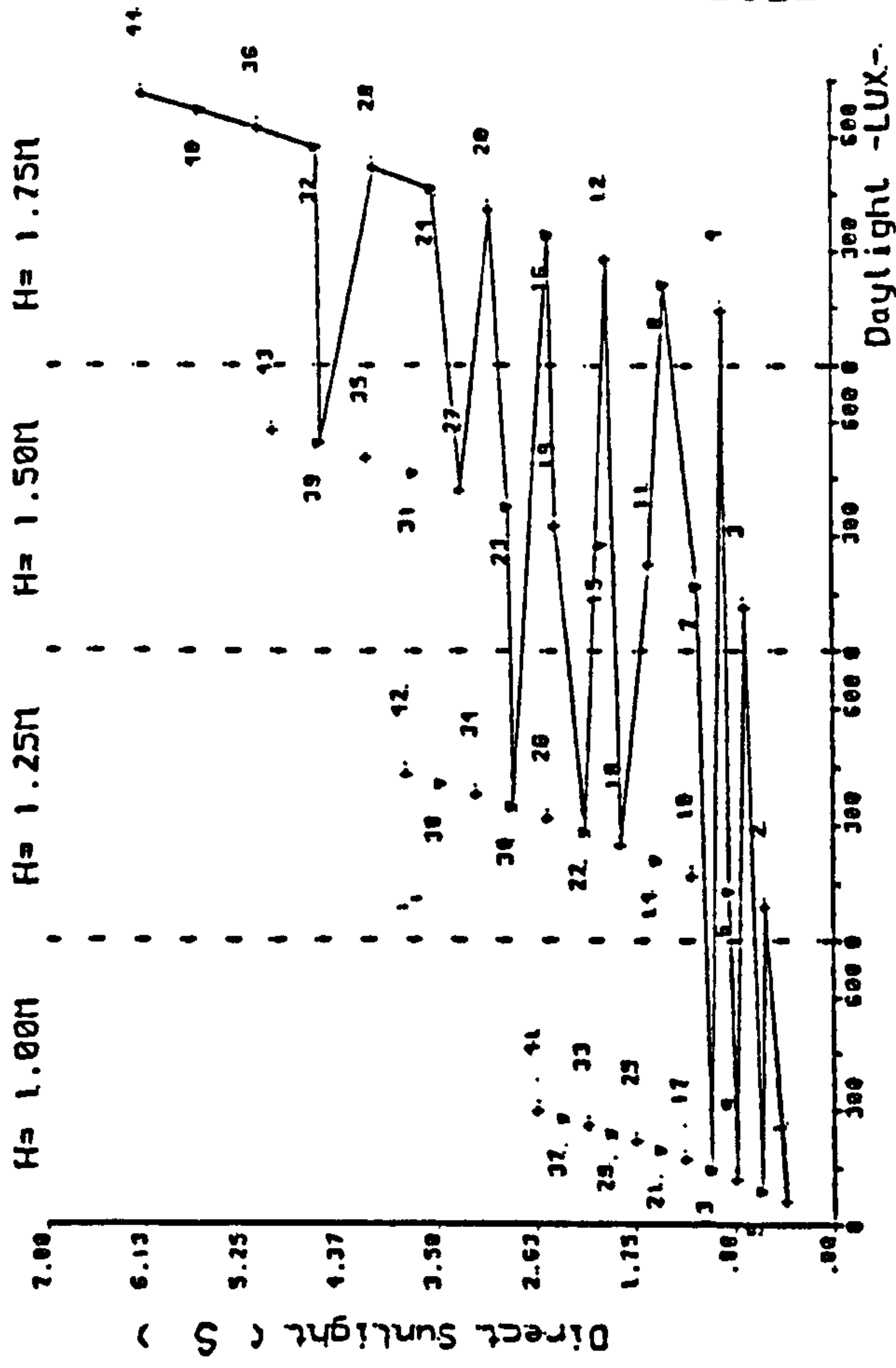




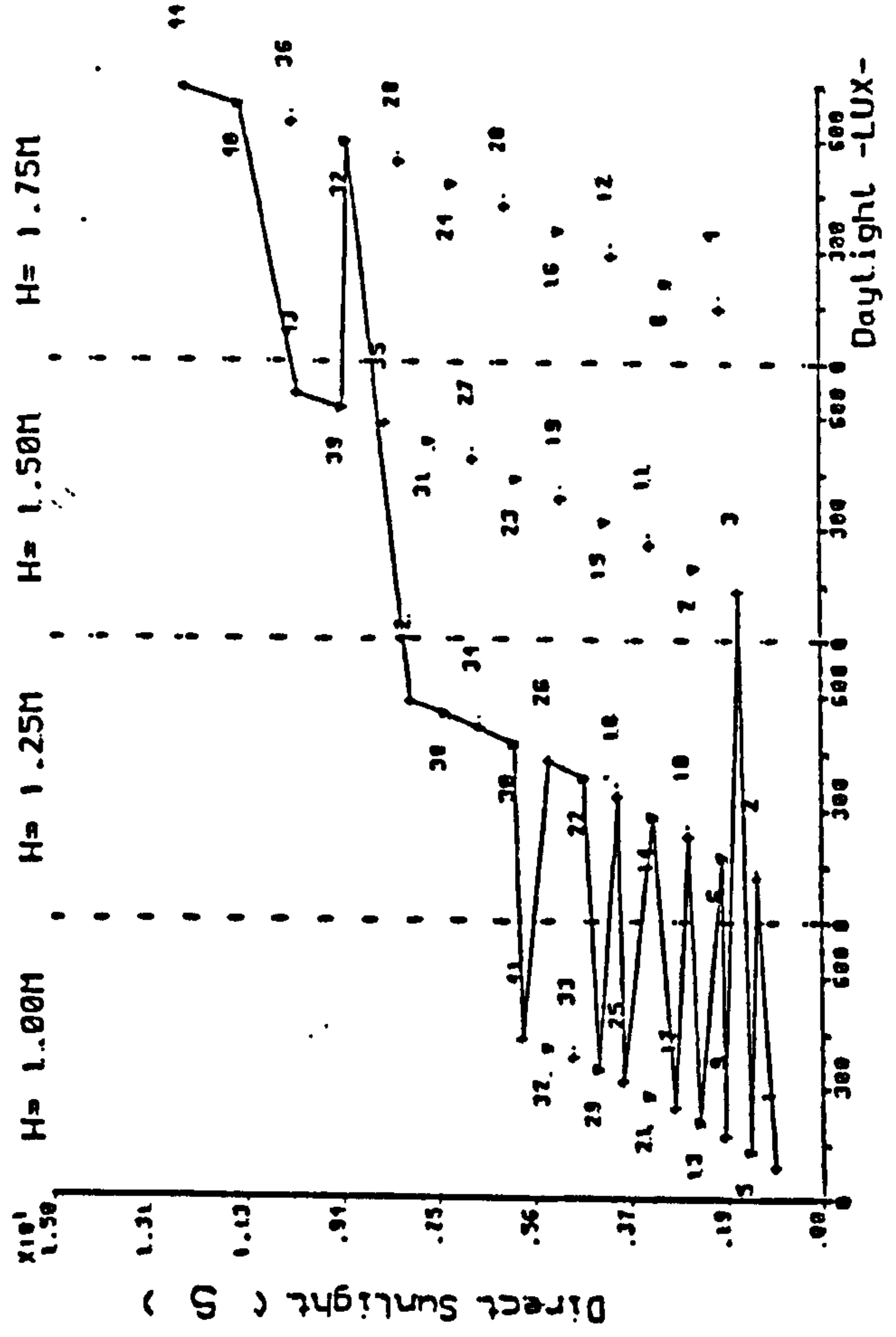




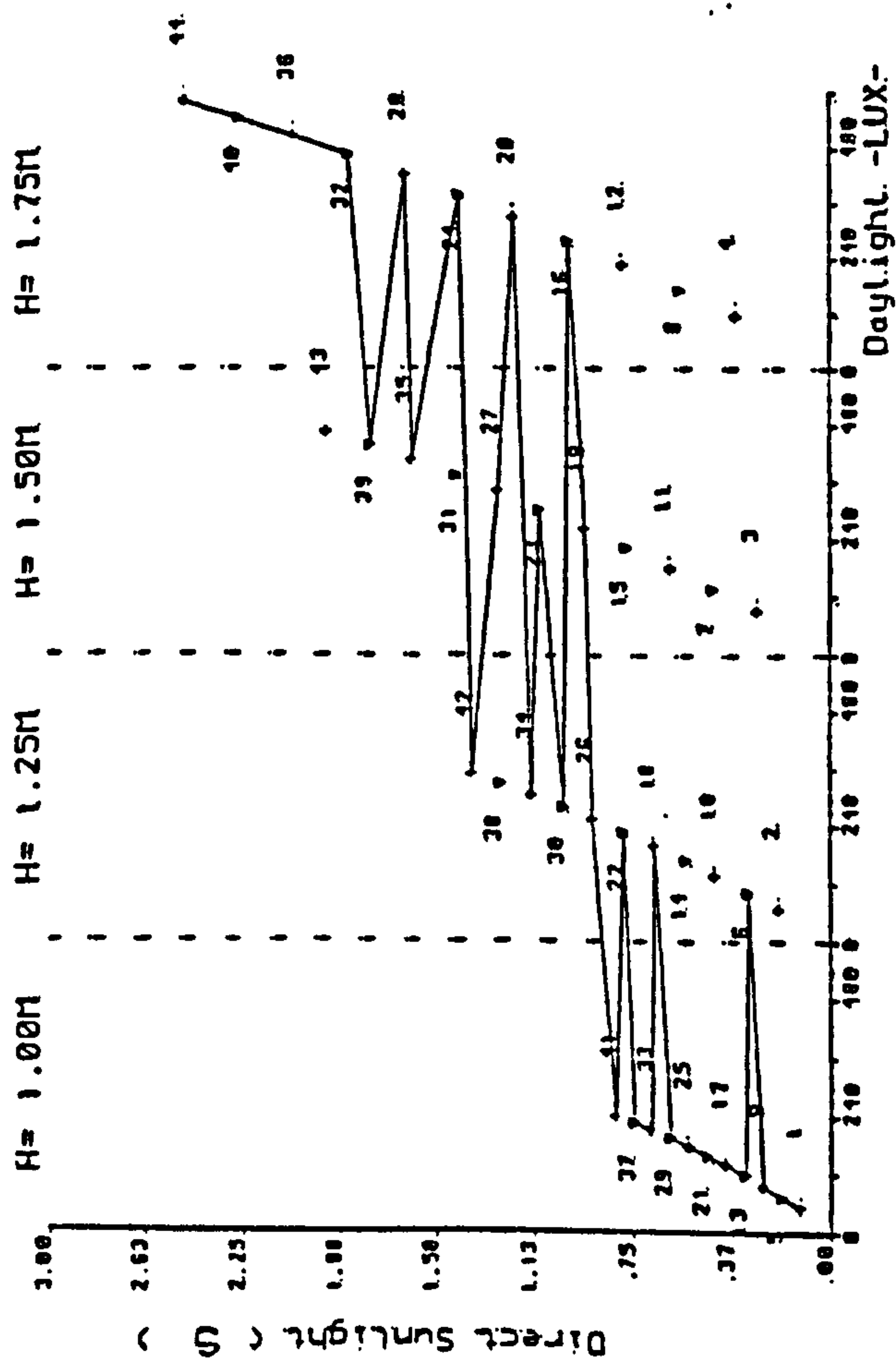




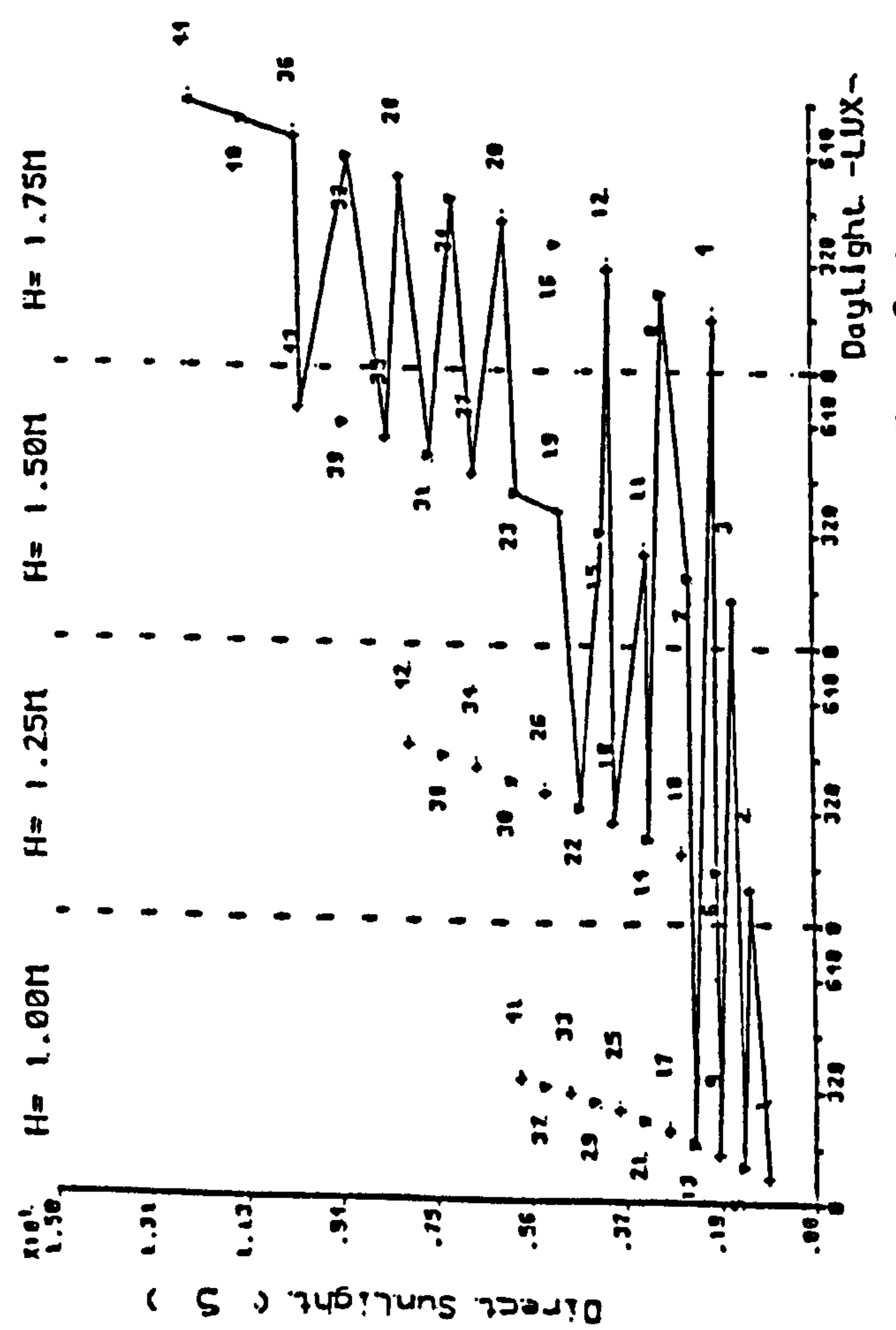
INTERHOUSE DISTANCE - 6M -



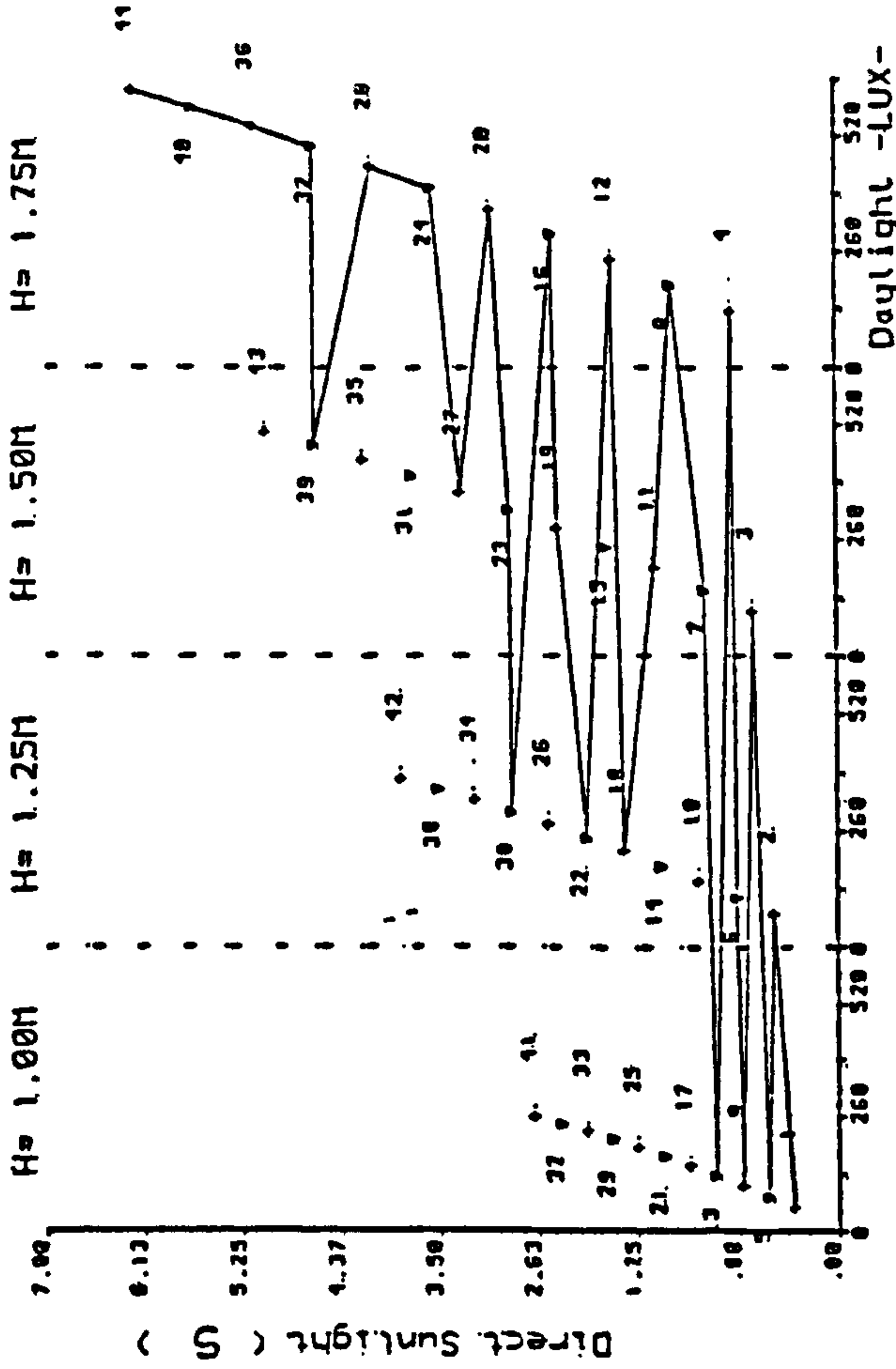
INTERHOUSE DISTANCE - 12M -



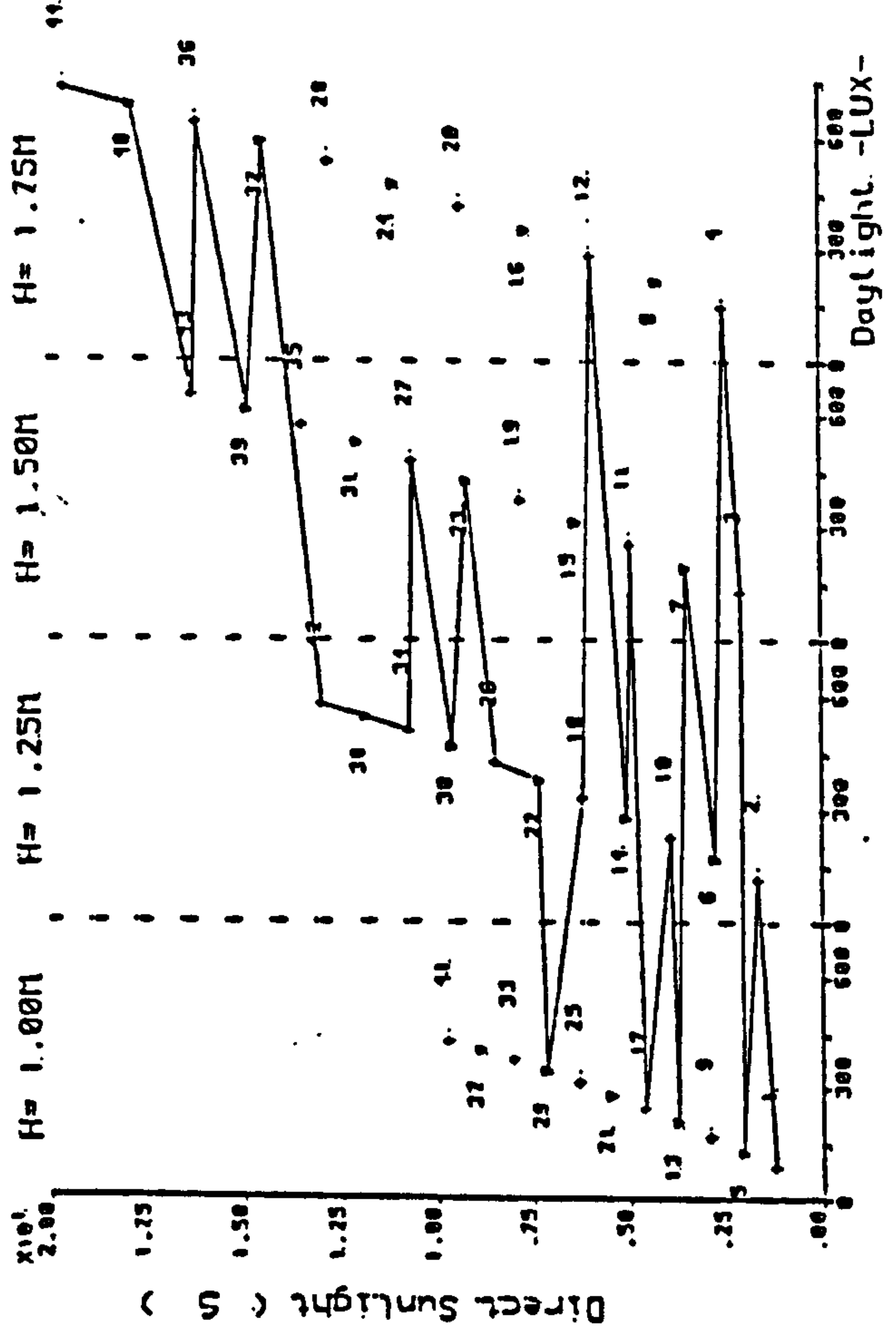
INTERHOUSE DISTANCE - 4M -



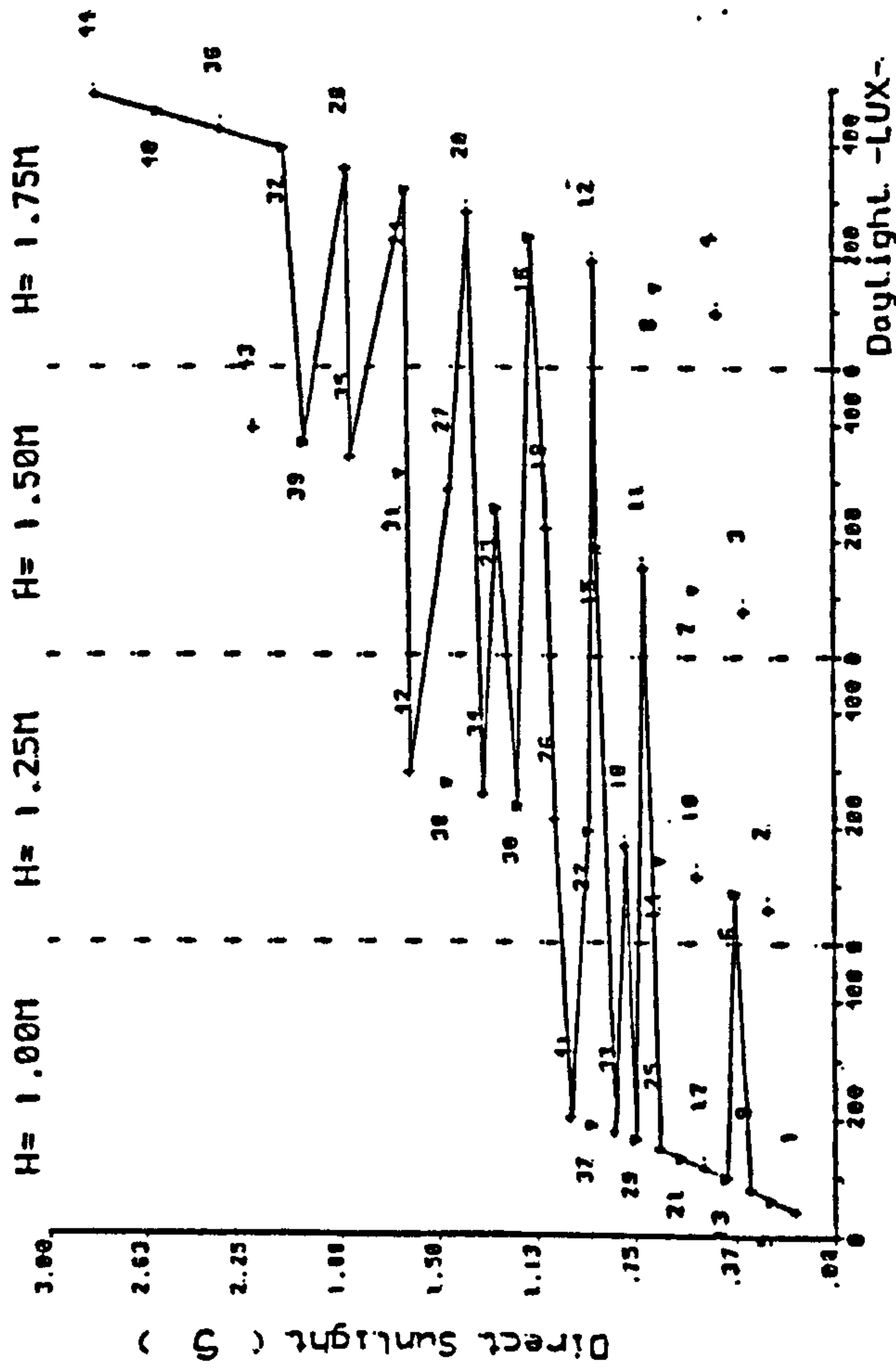
INTERHOUSE DISTANCE - 8M -



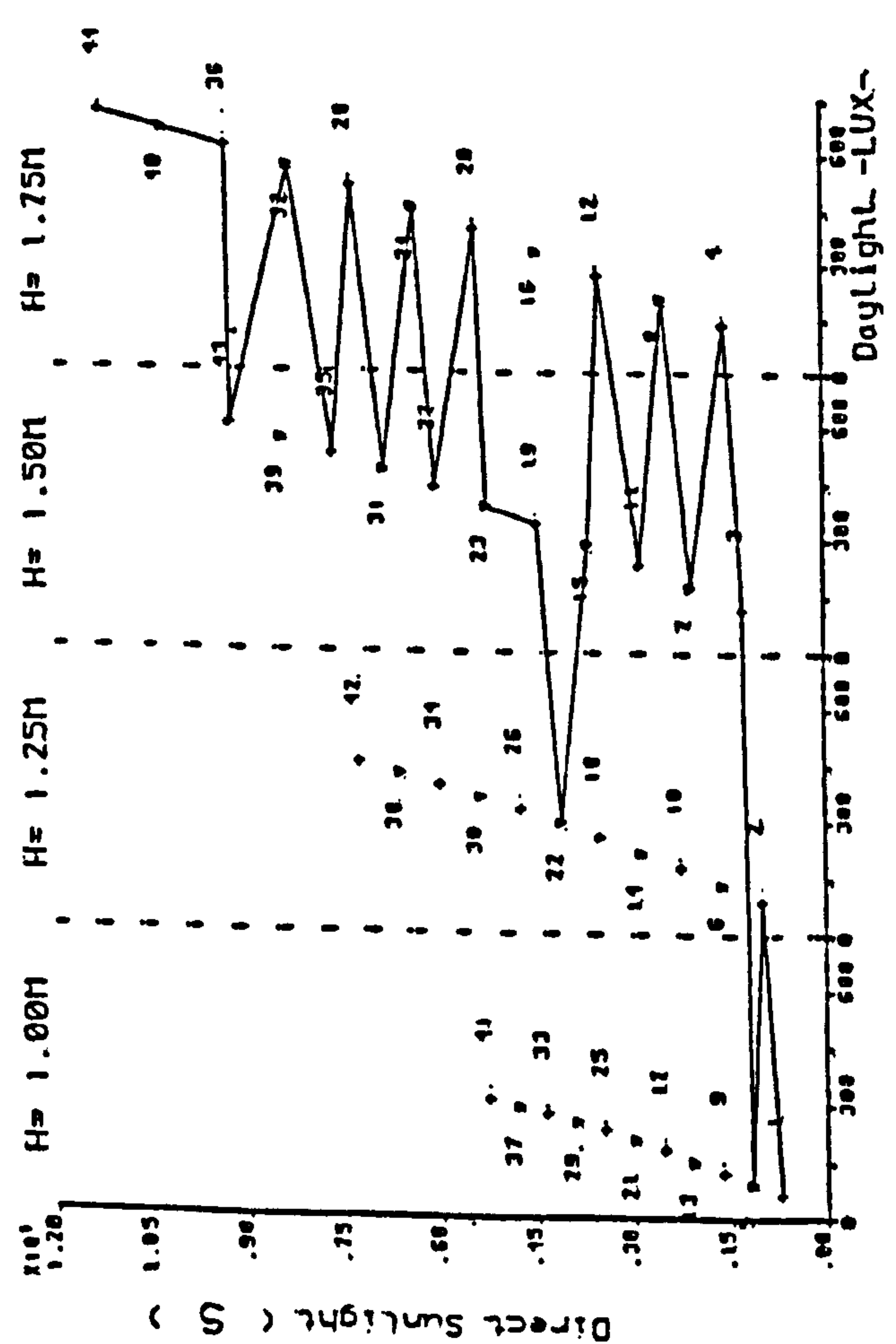
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -



INTERHOUSE DISTANCE - 4M -

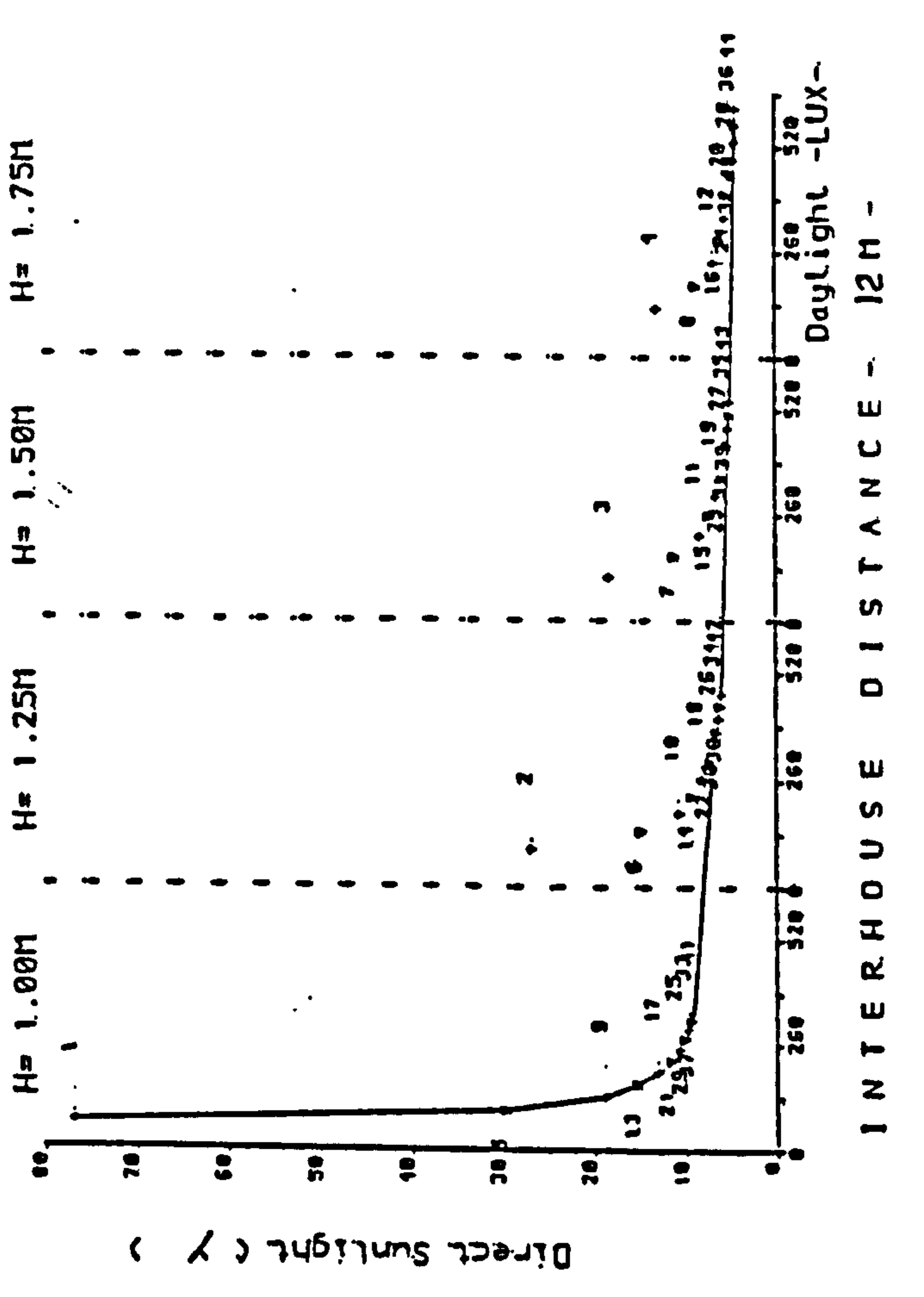
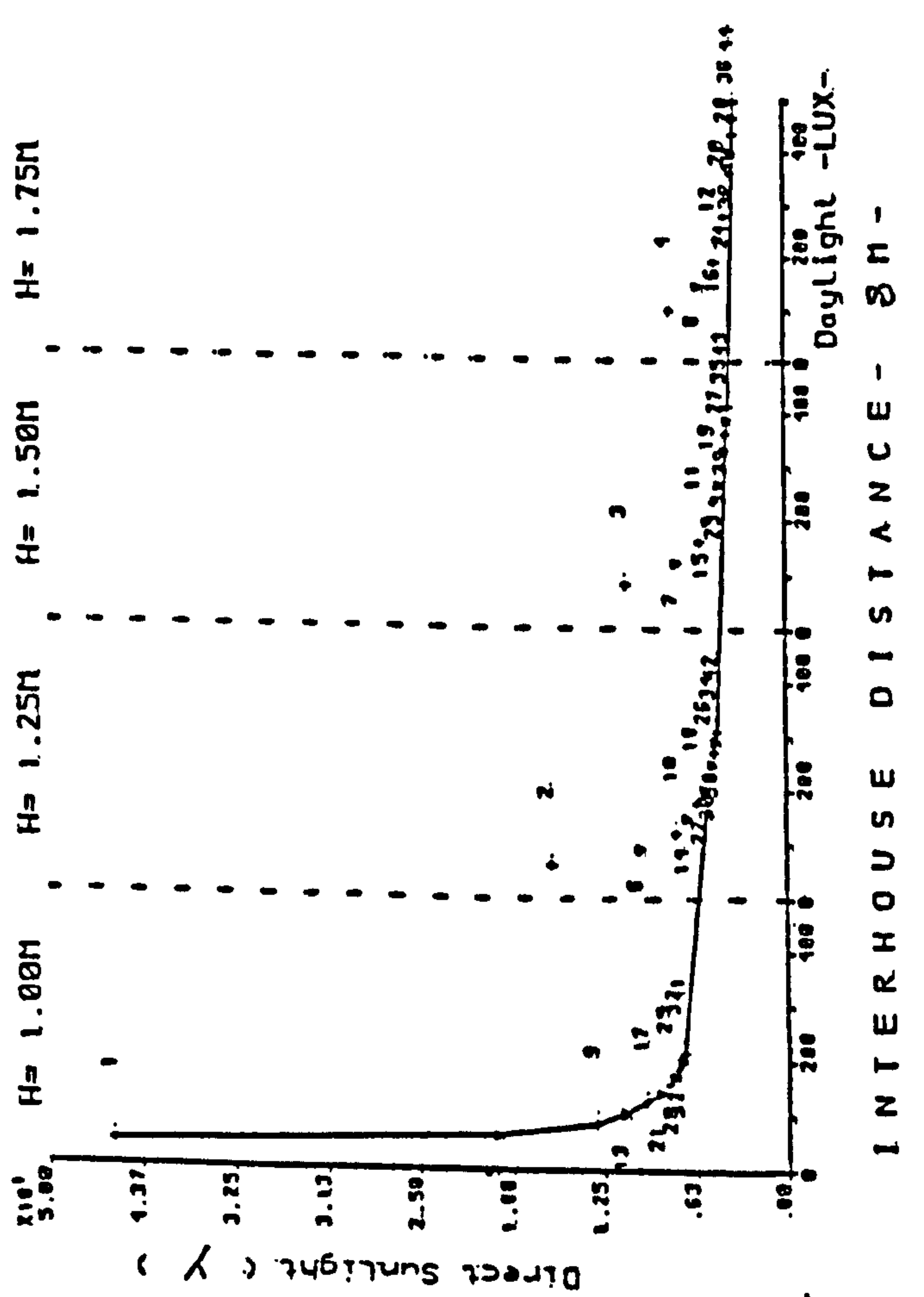
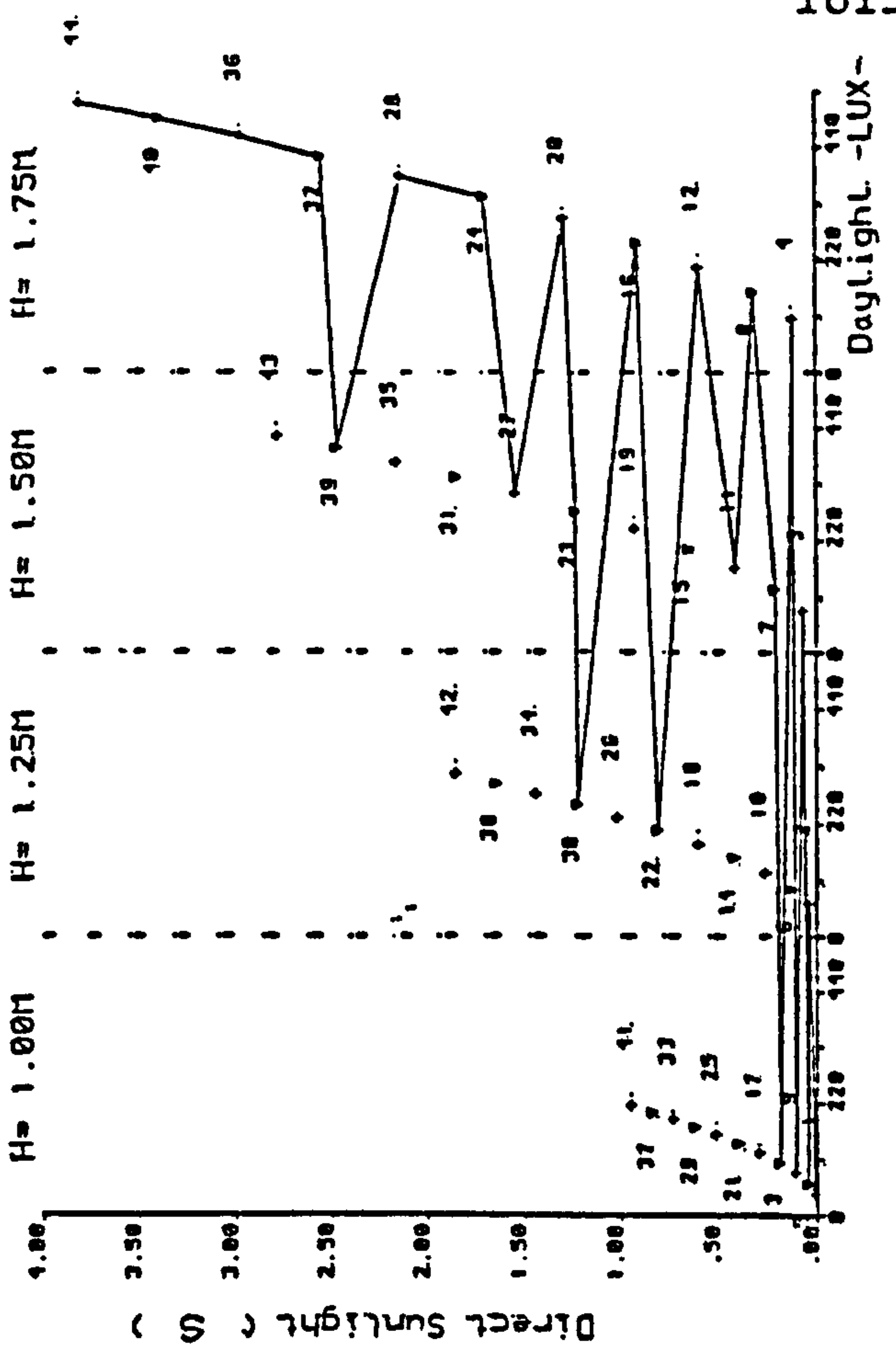
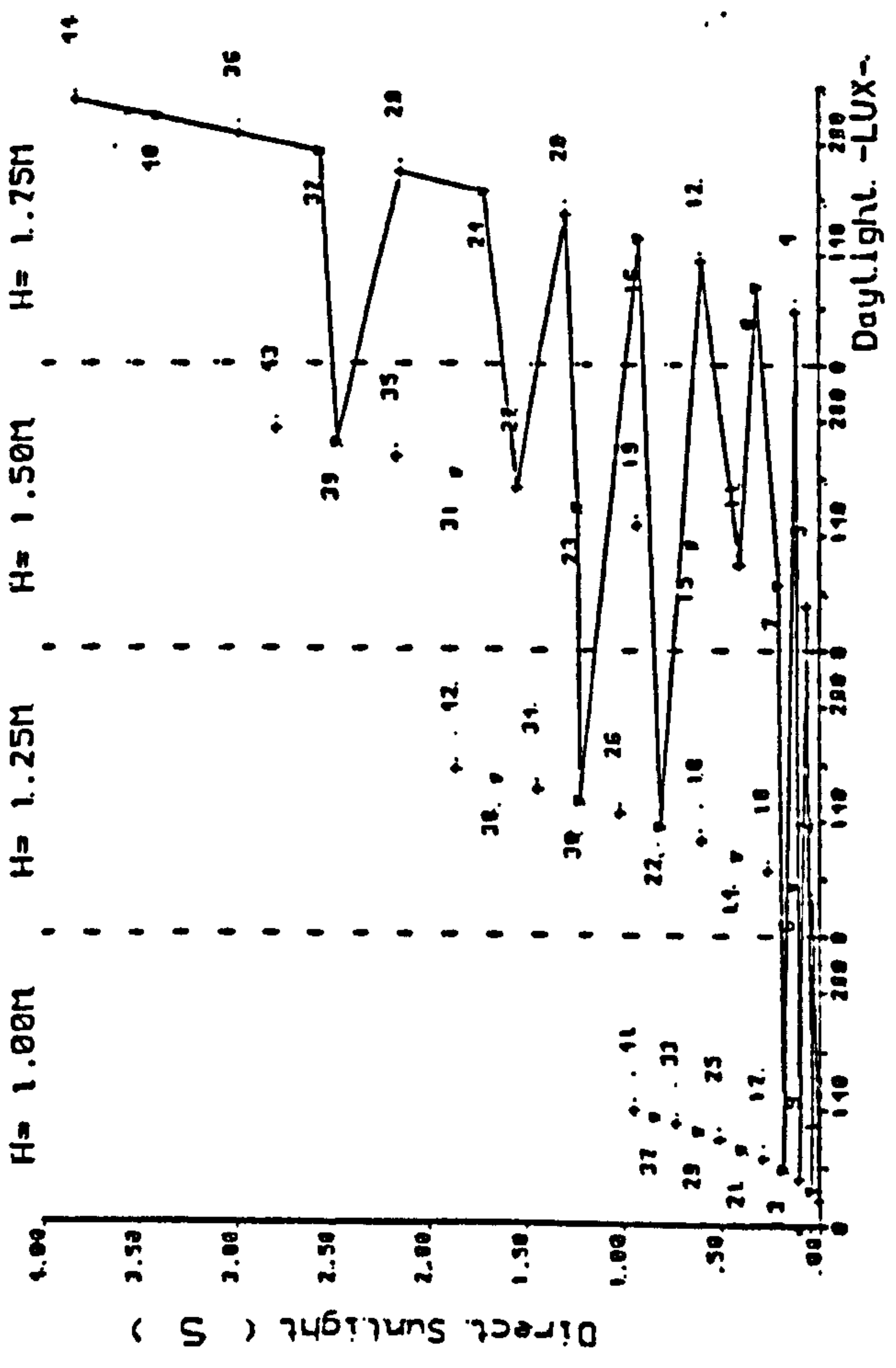


INTERHOUSE DISTANCE - 8M -



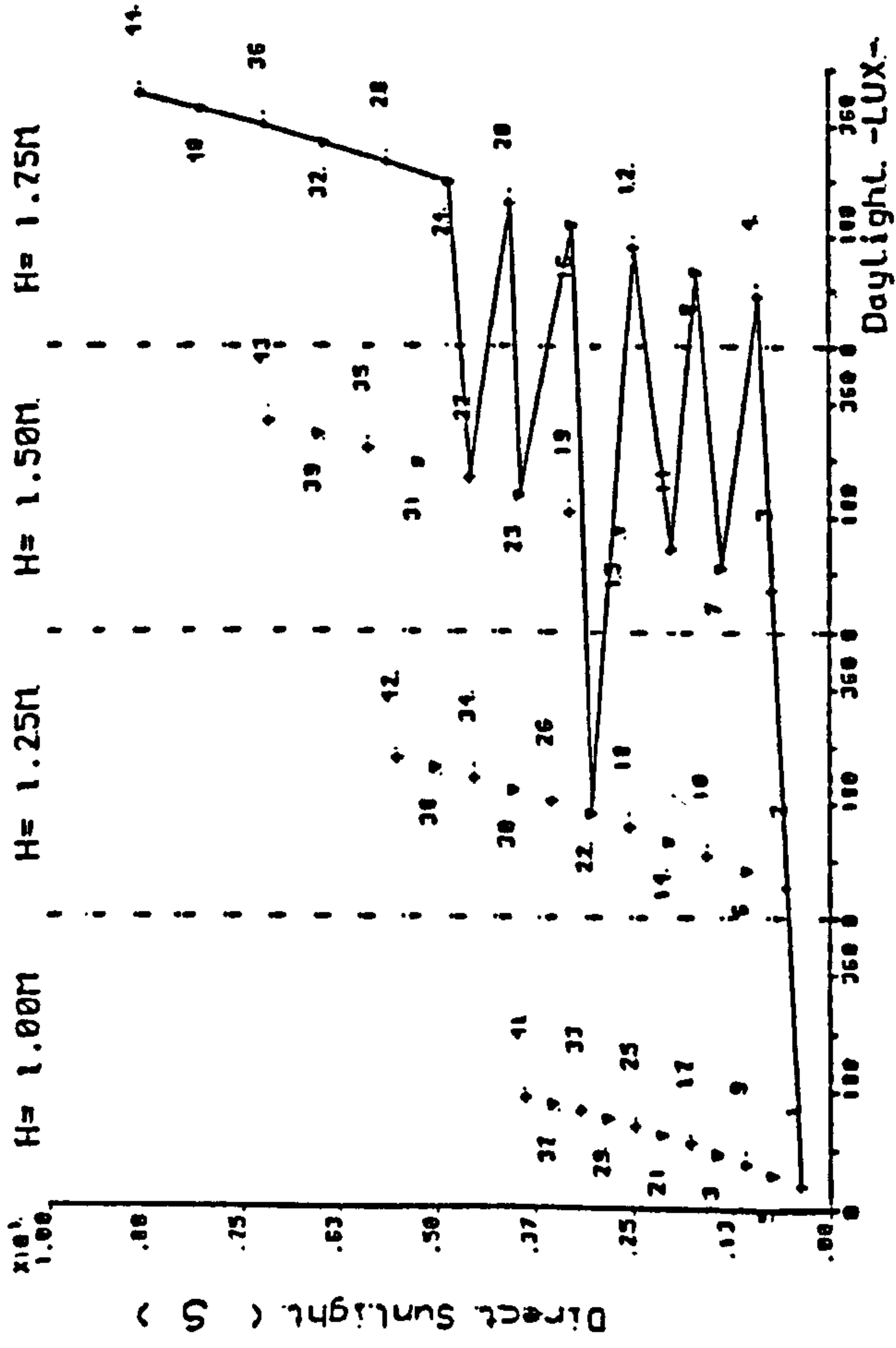




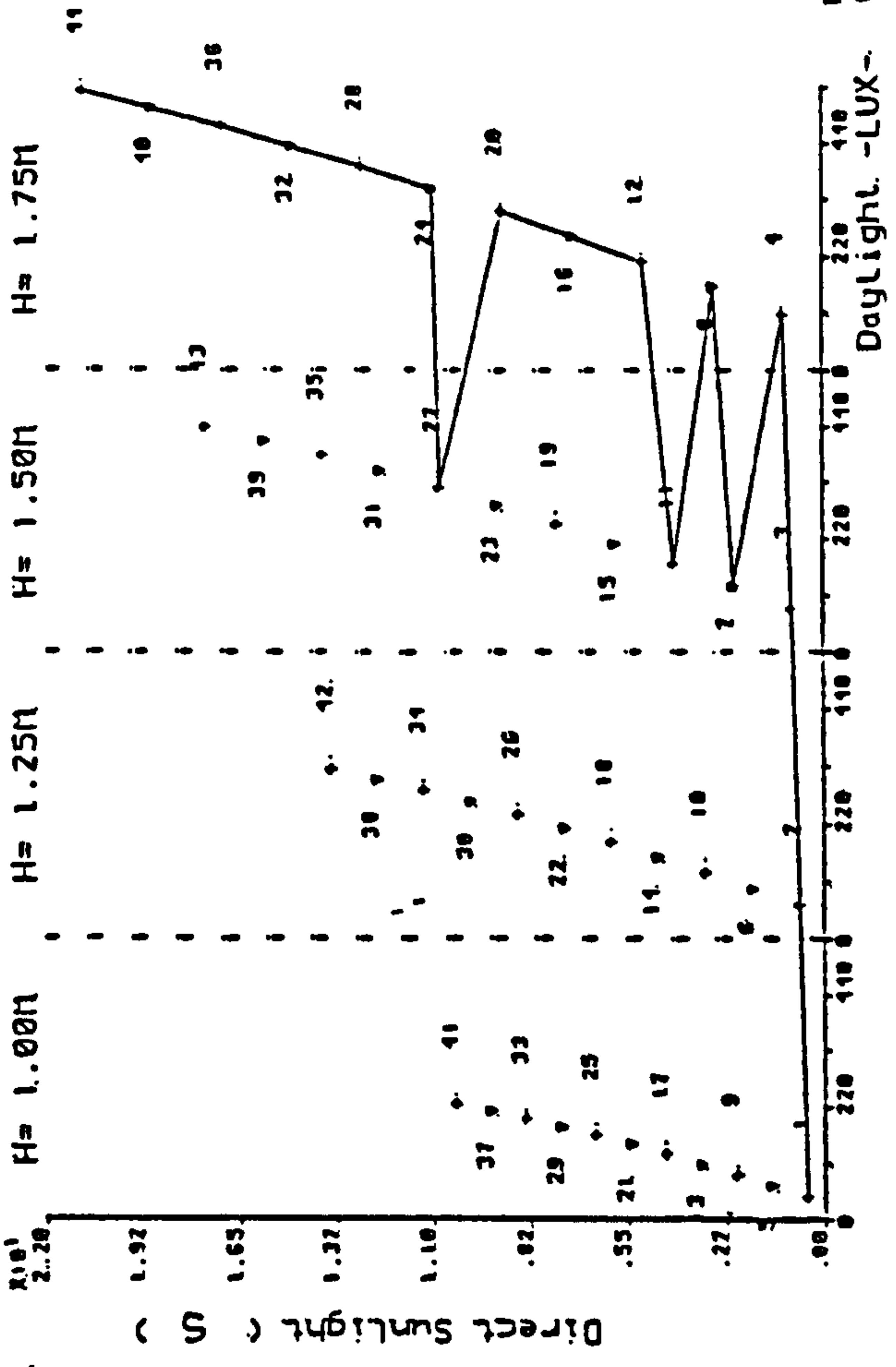




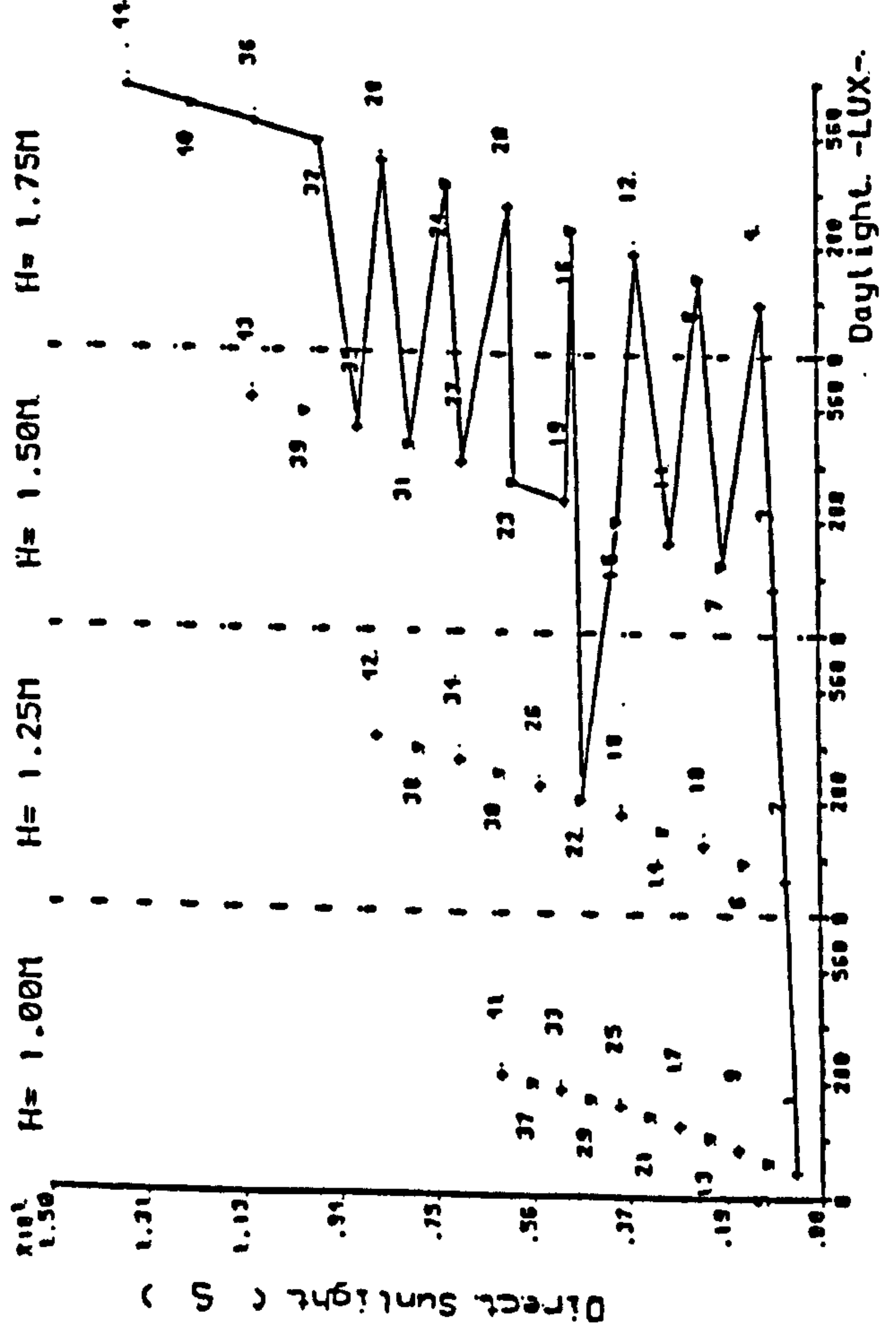




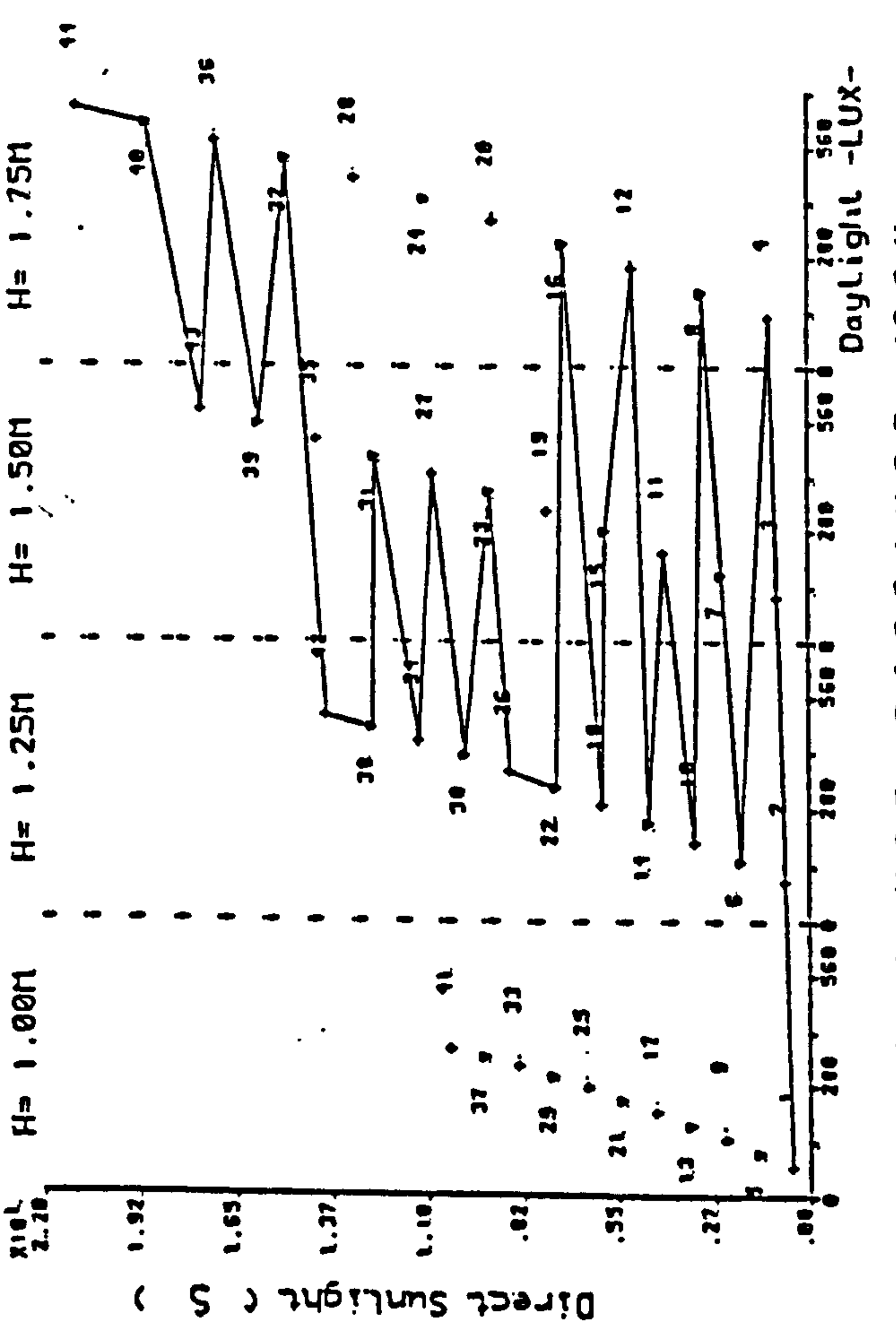
INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 6.0 M -

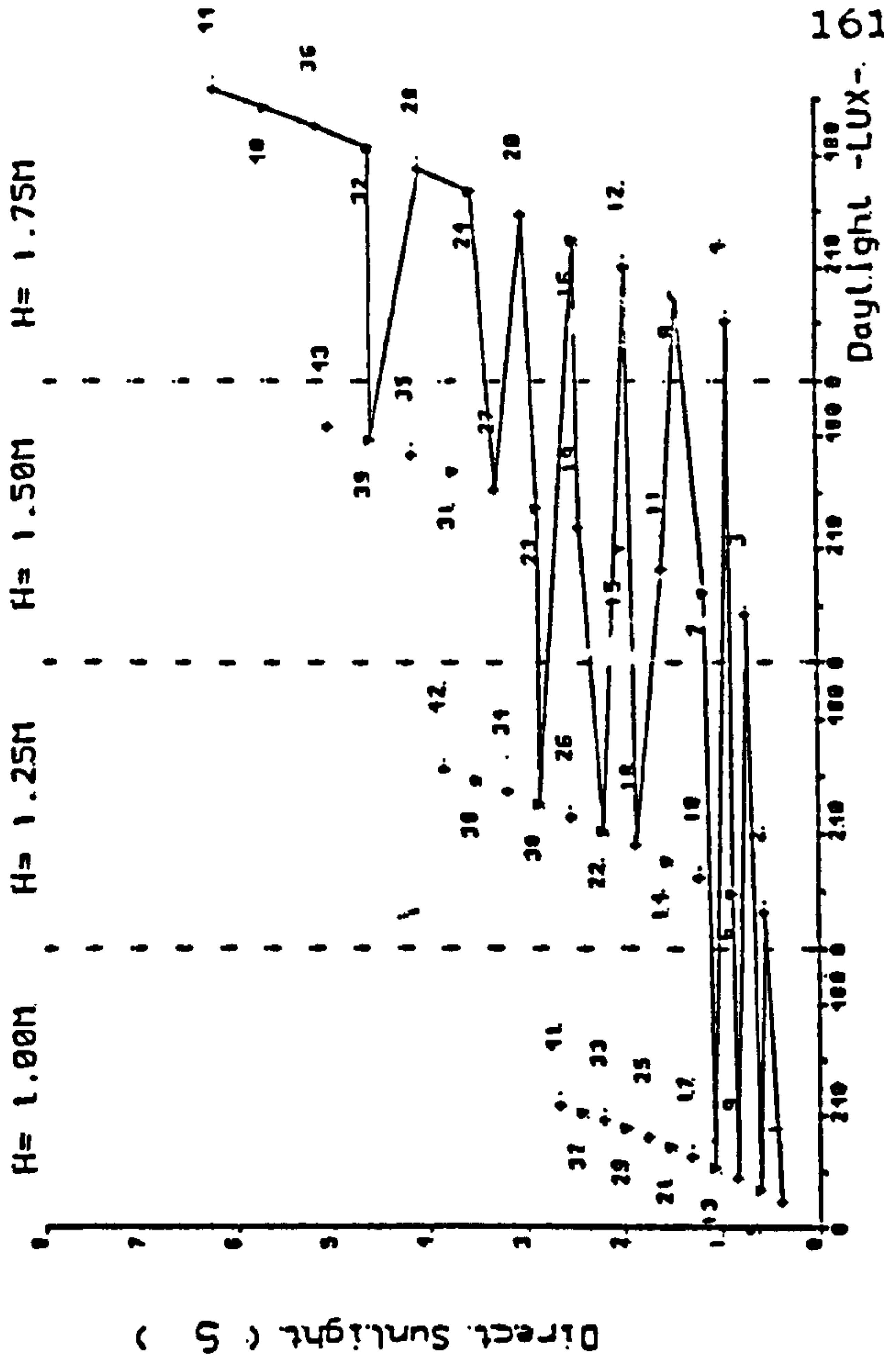
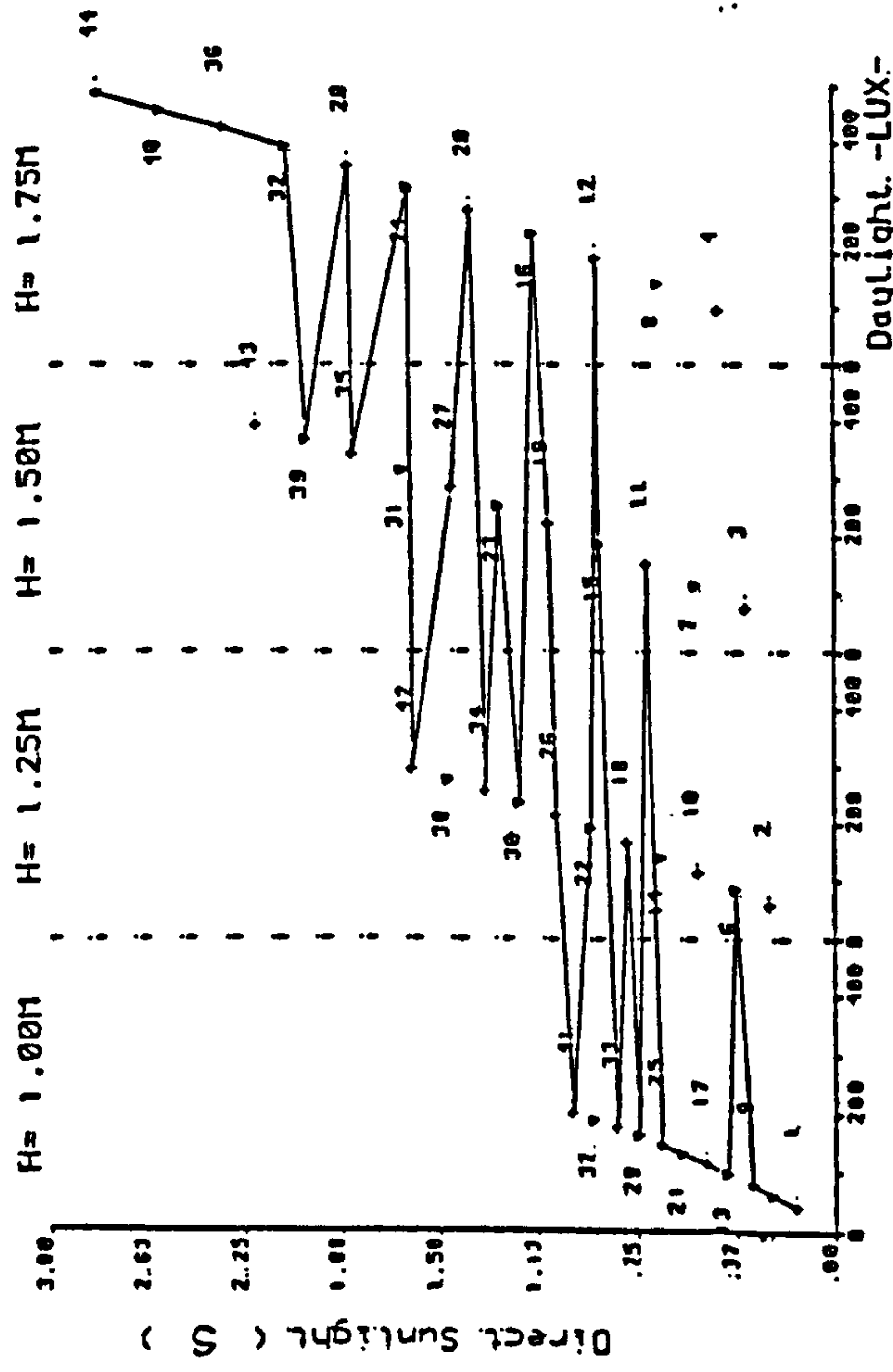


INTERHOUSE DISTANCE - 8.0 M -

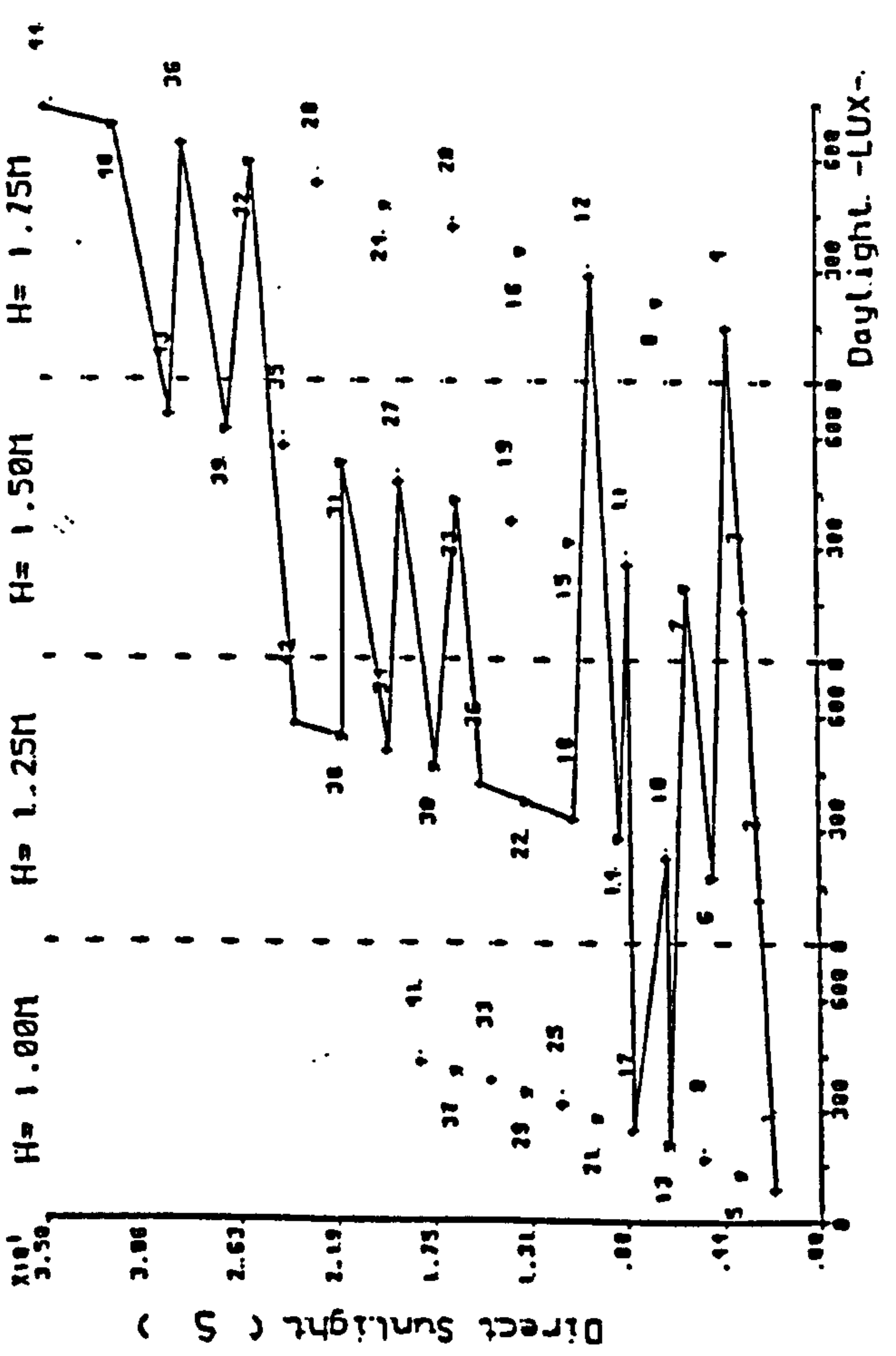
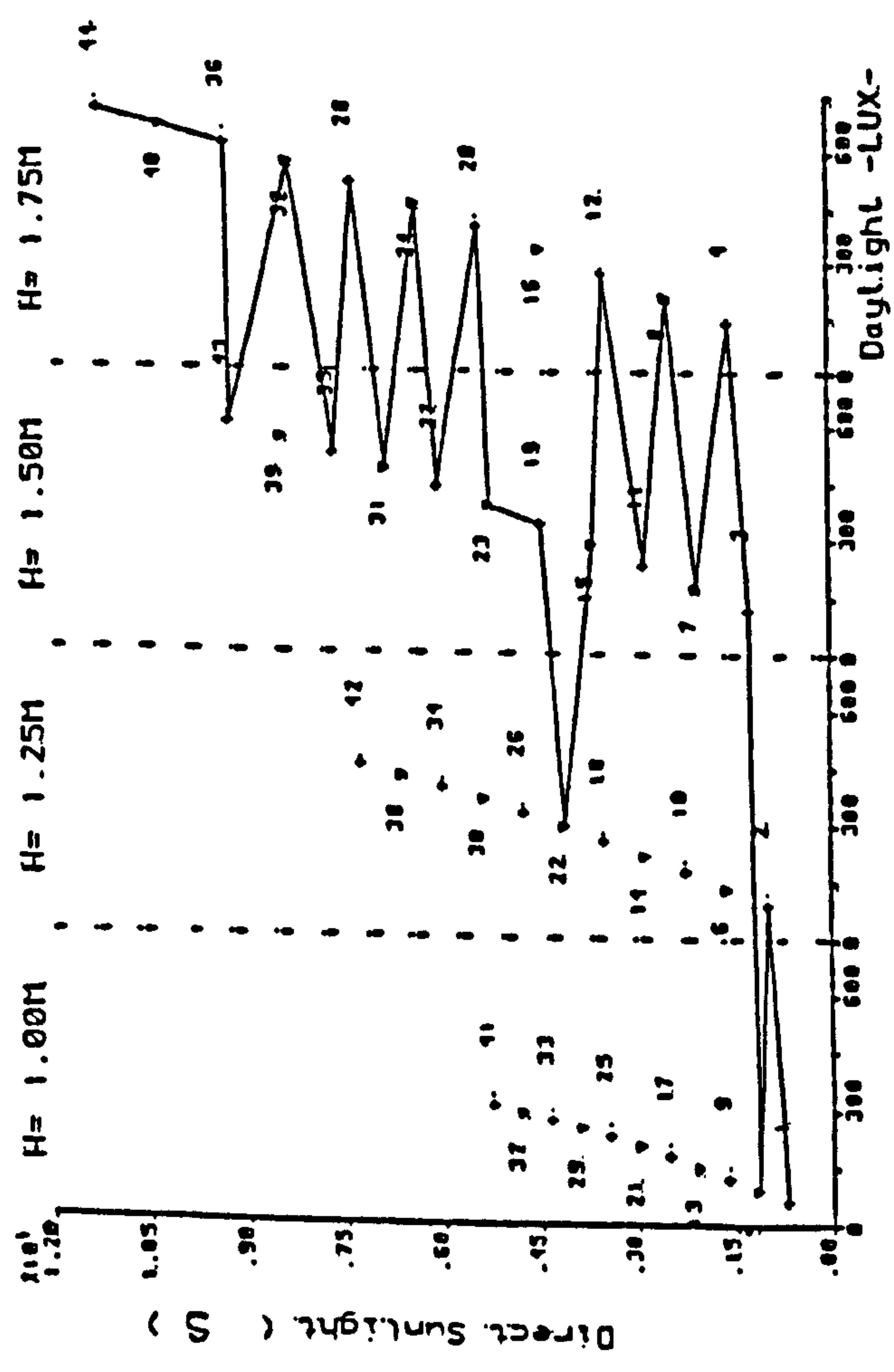


INTERHOUSE DISTANCE - 12.0 M -

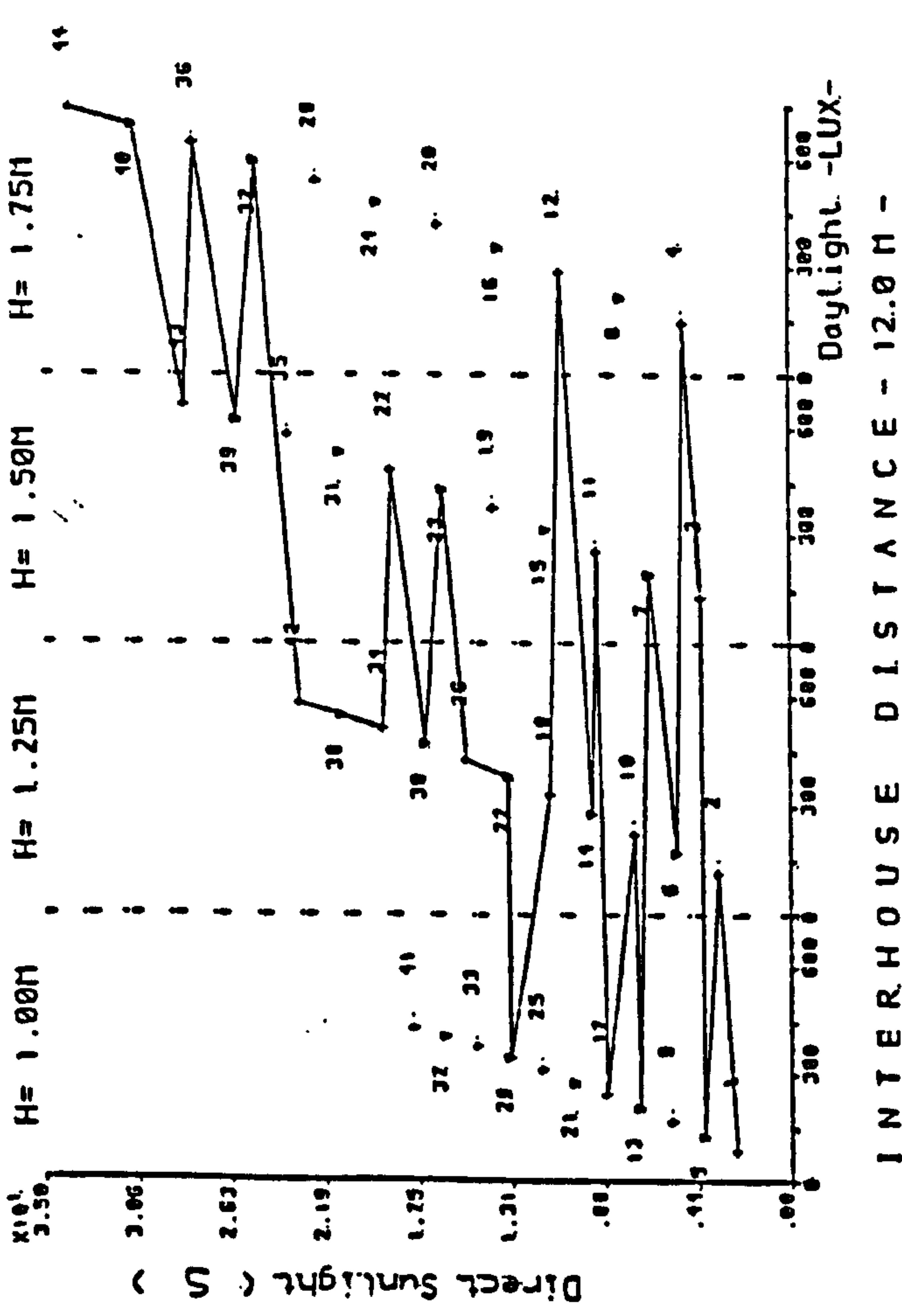
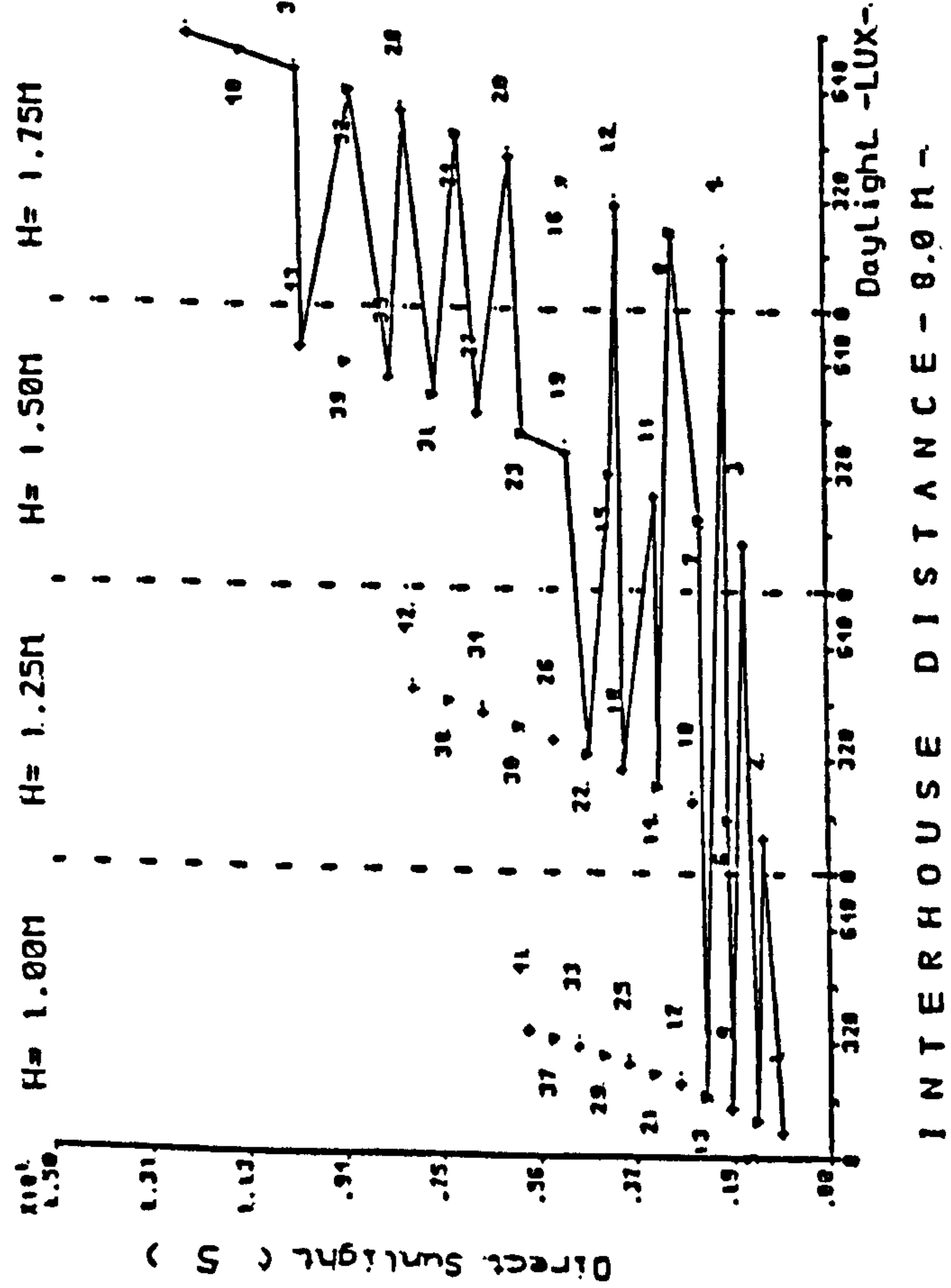
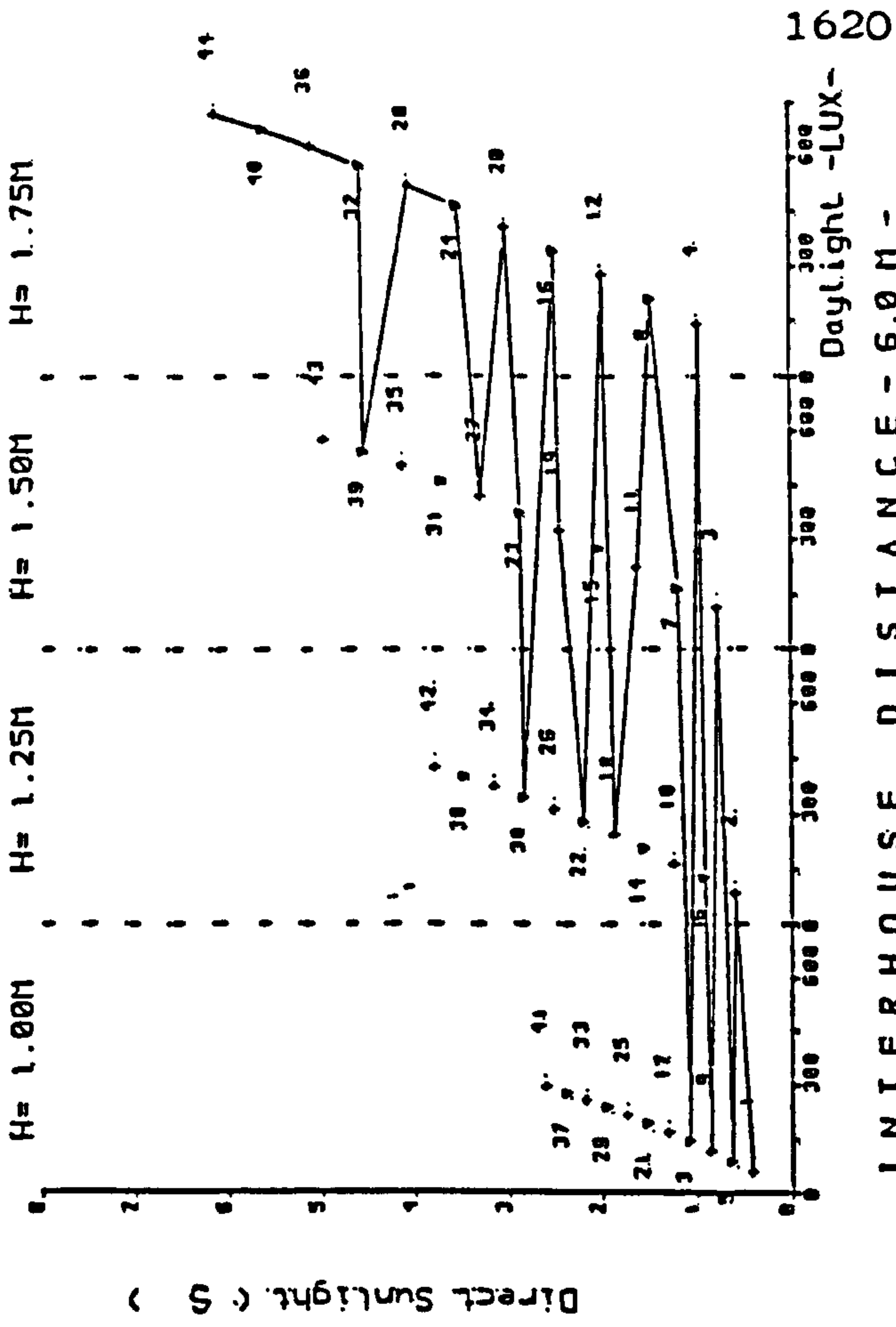
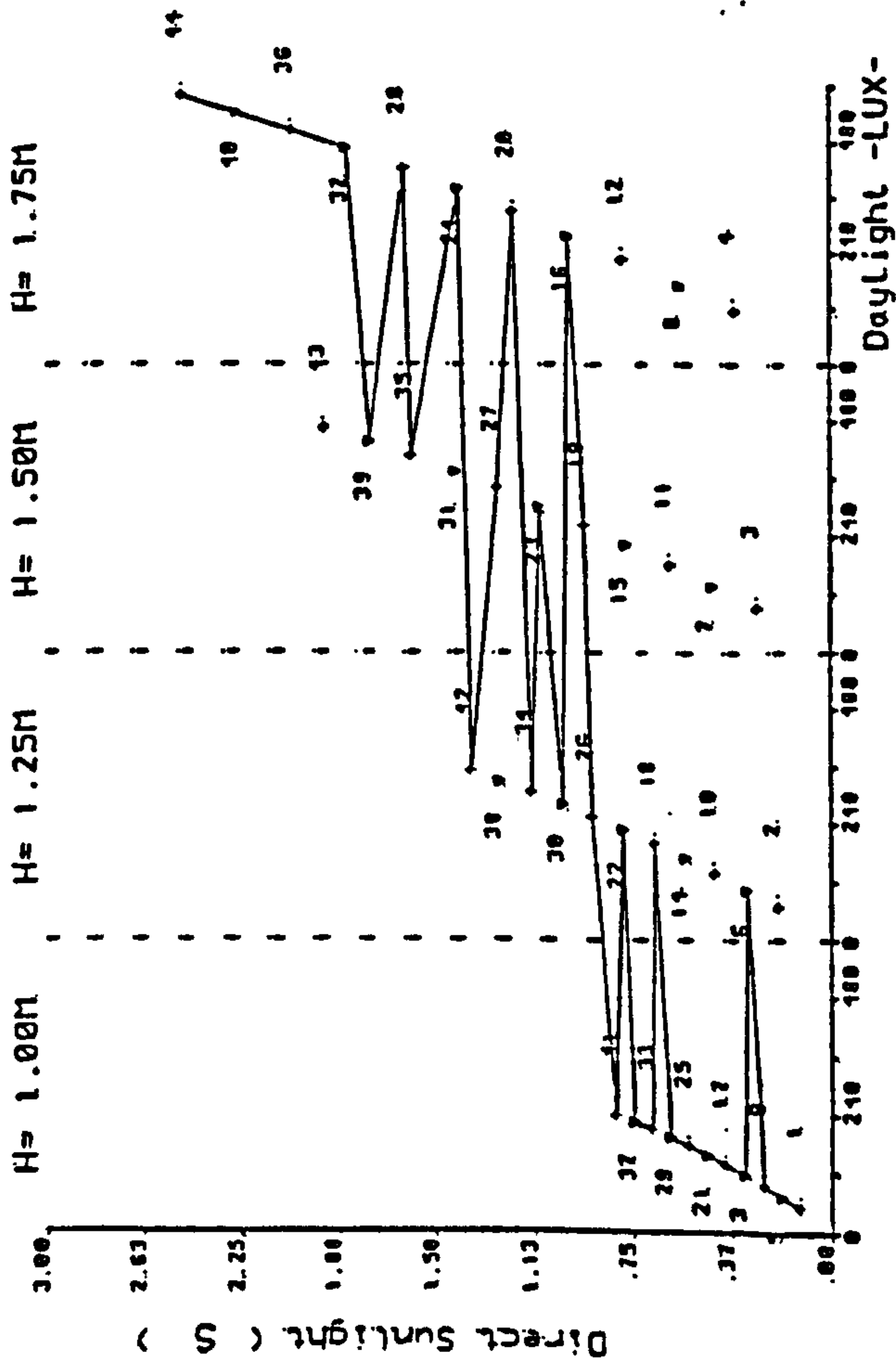


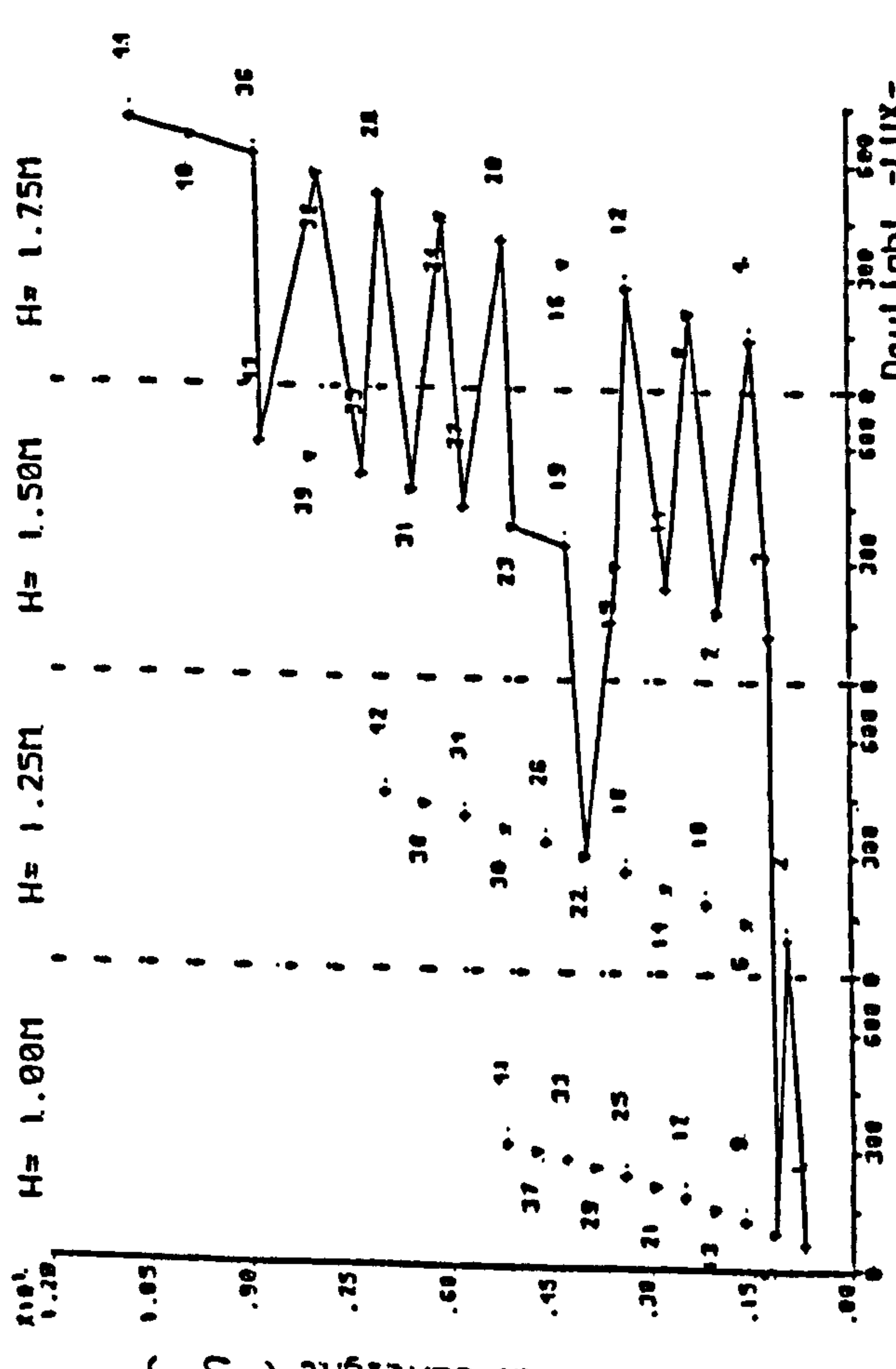
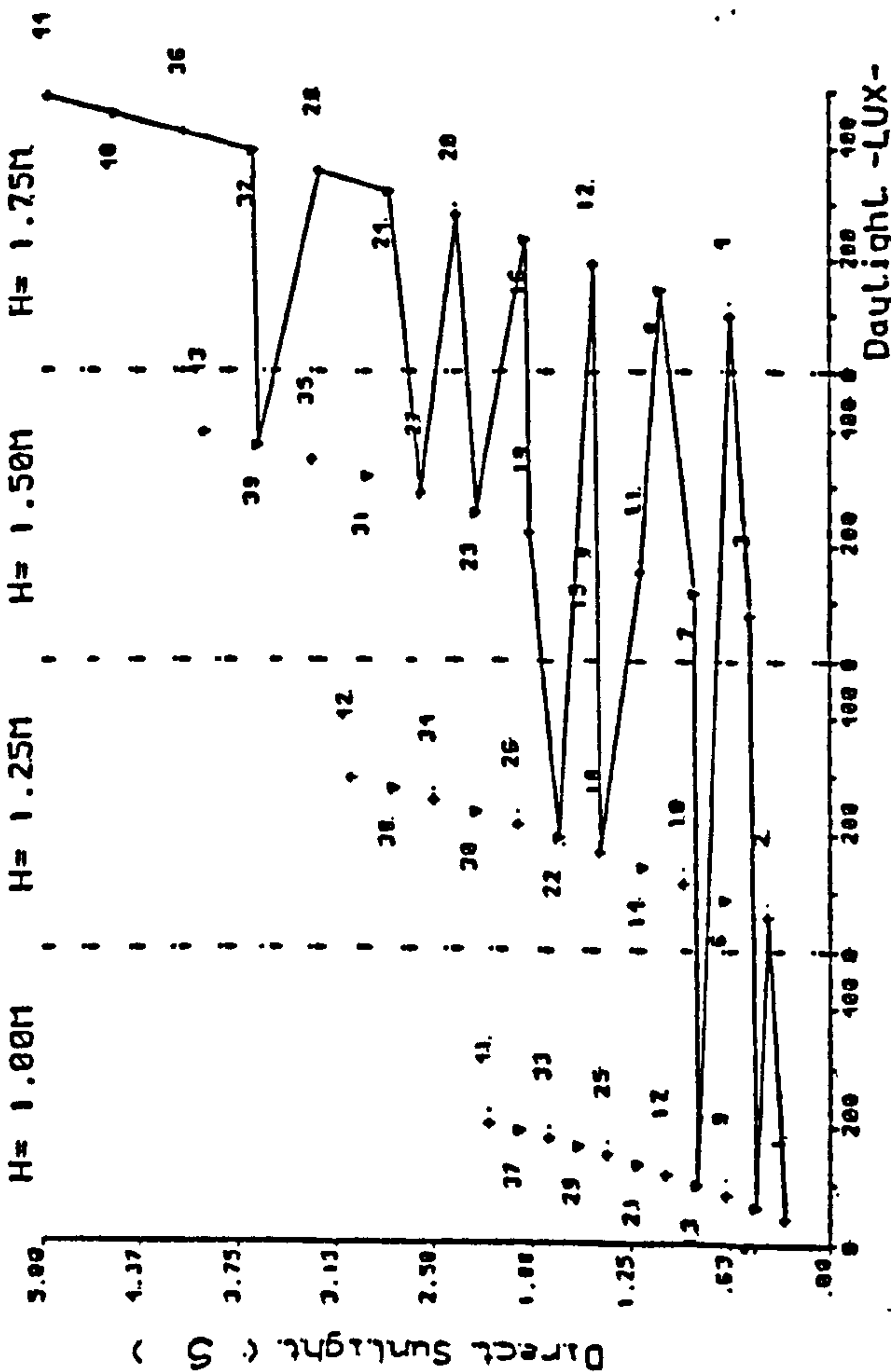
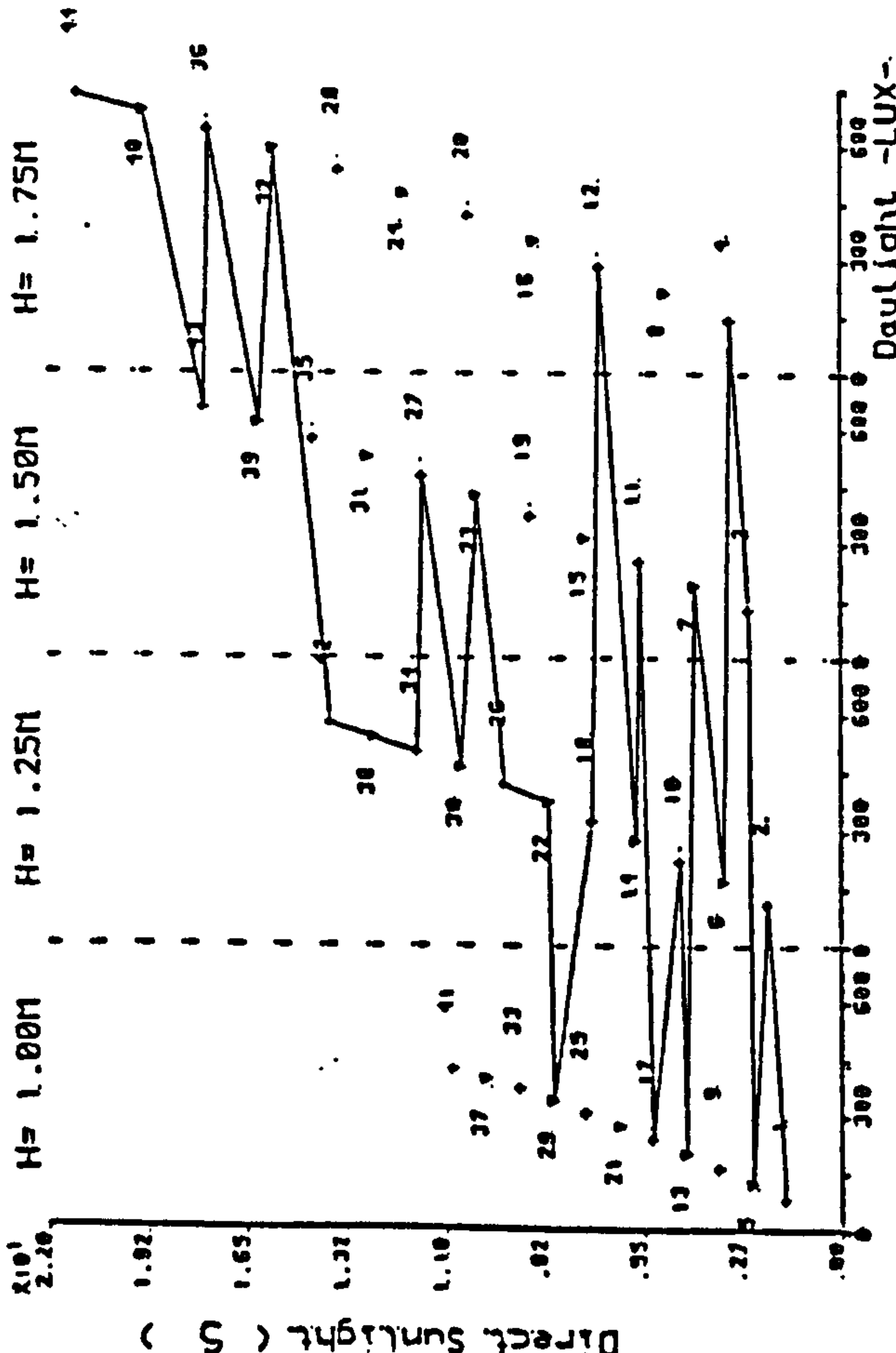
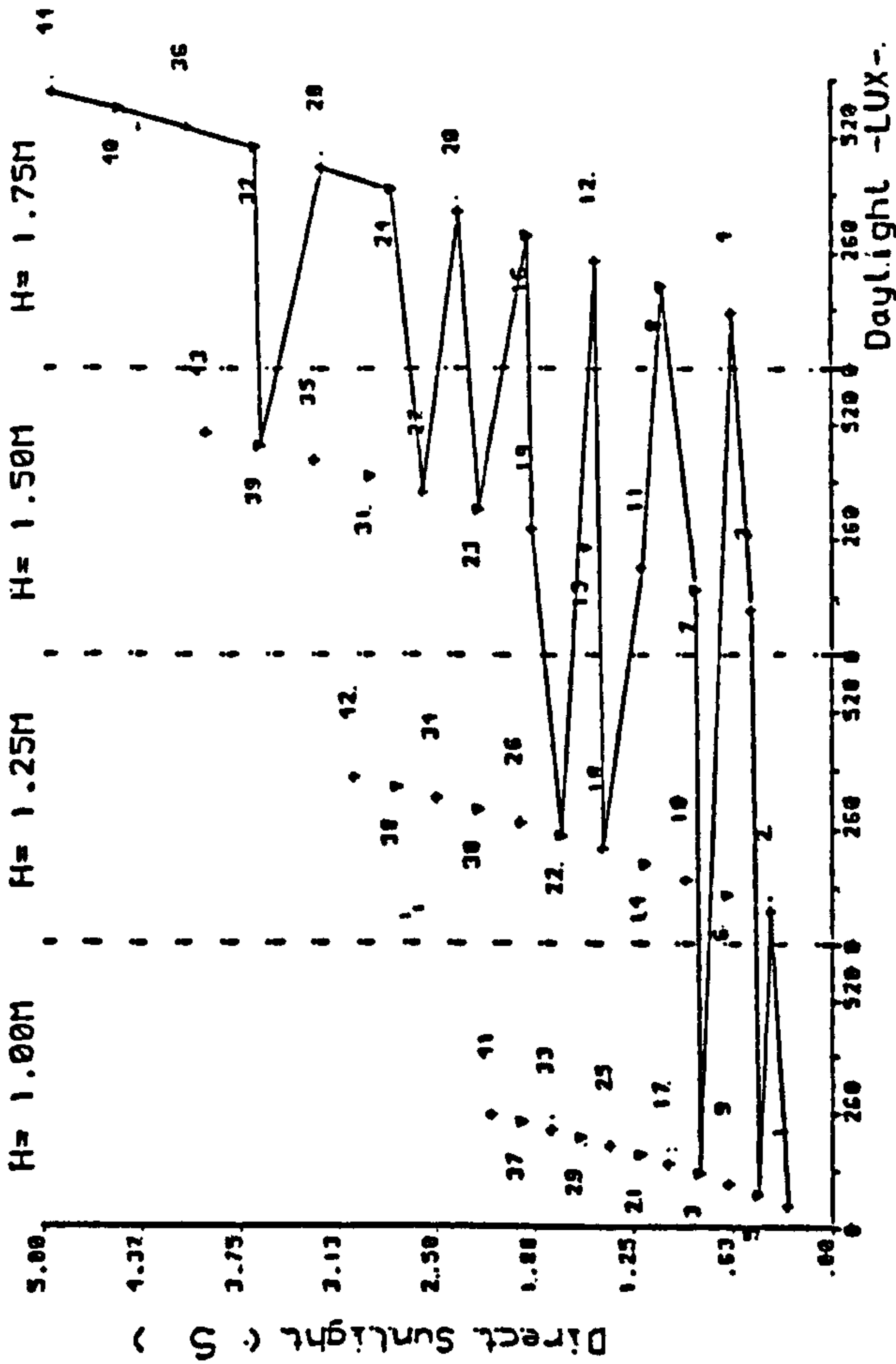


1619

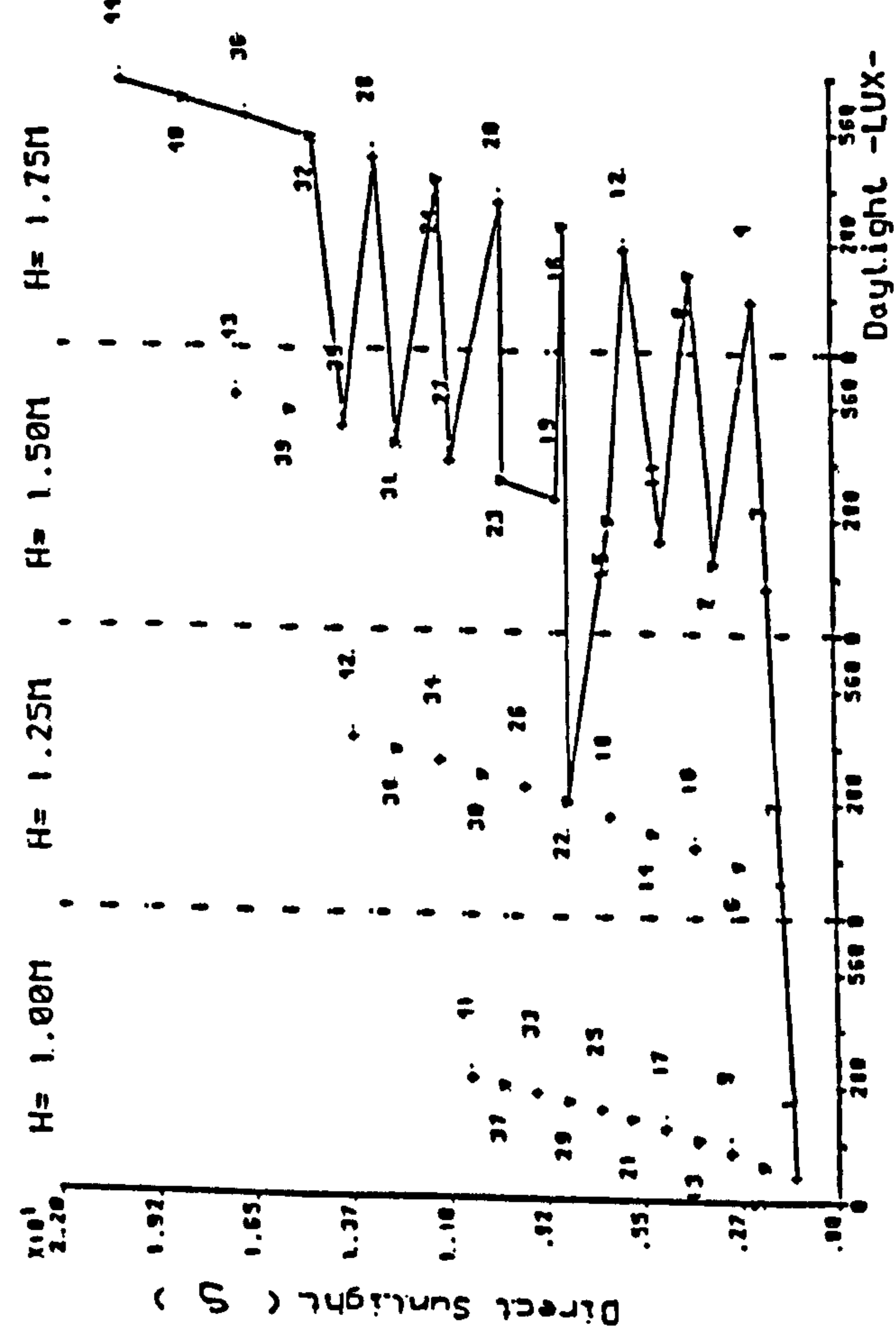
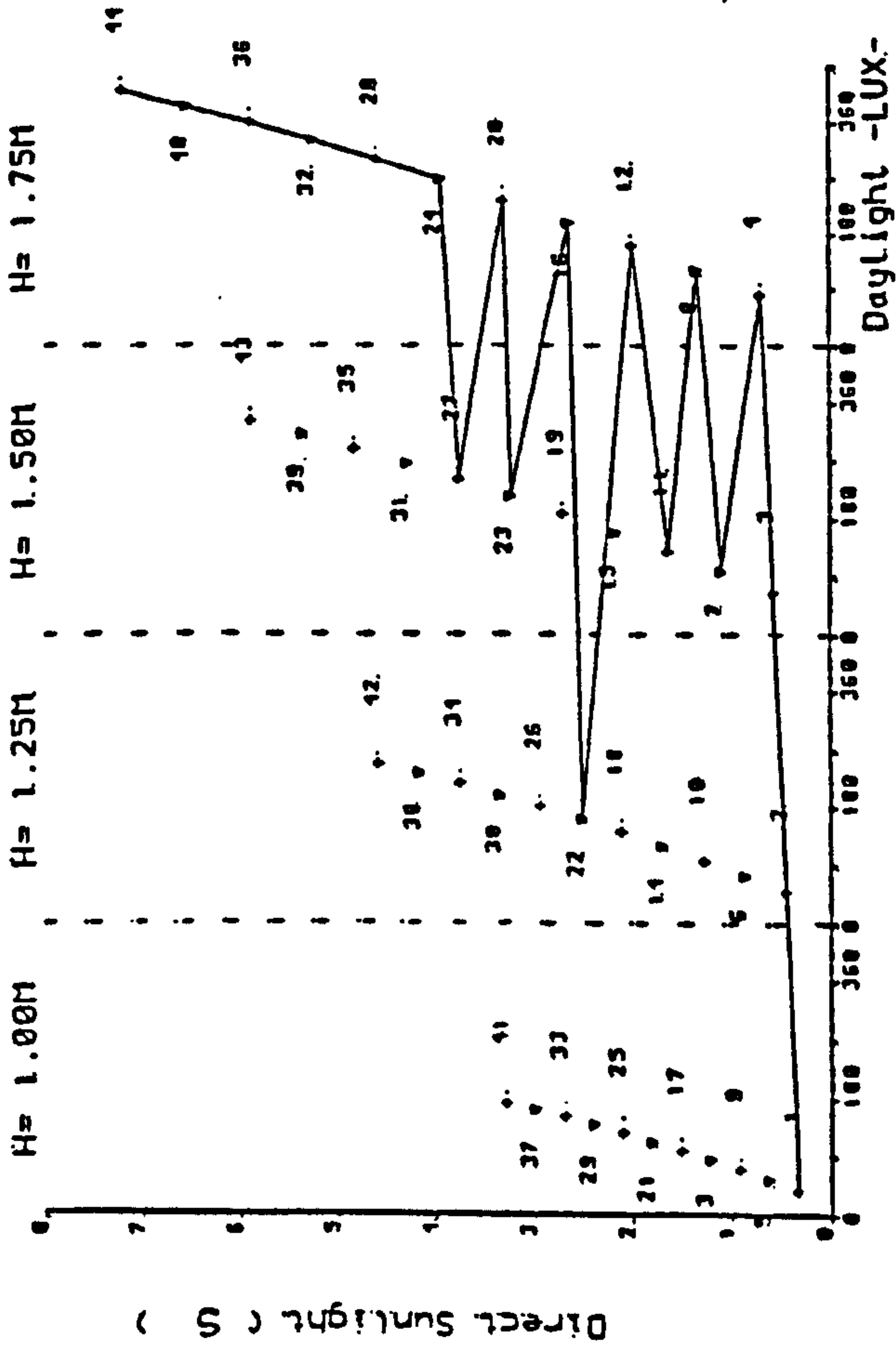
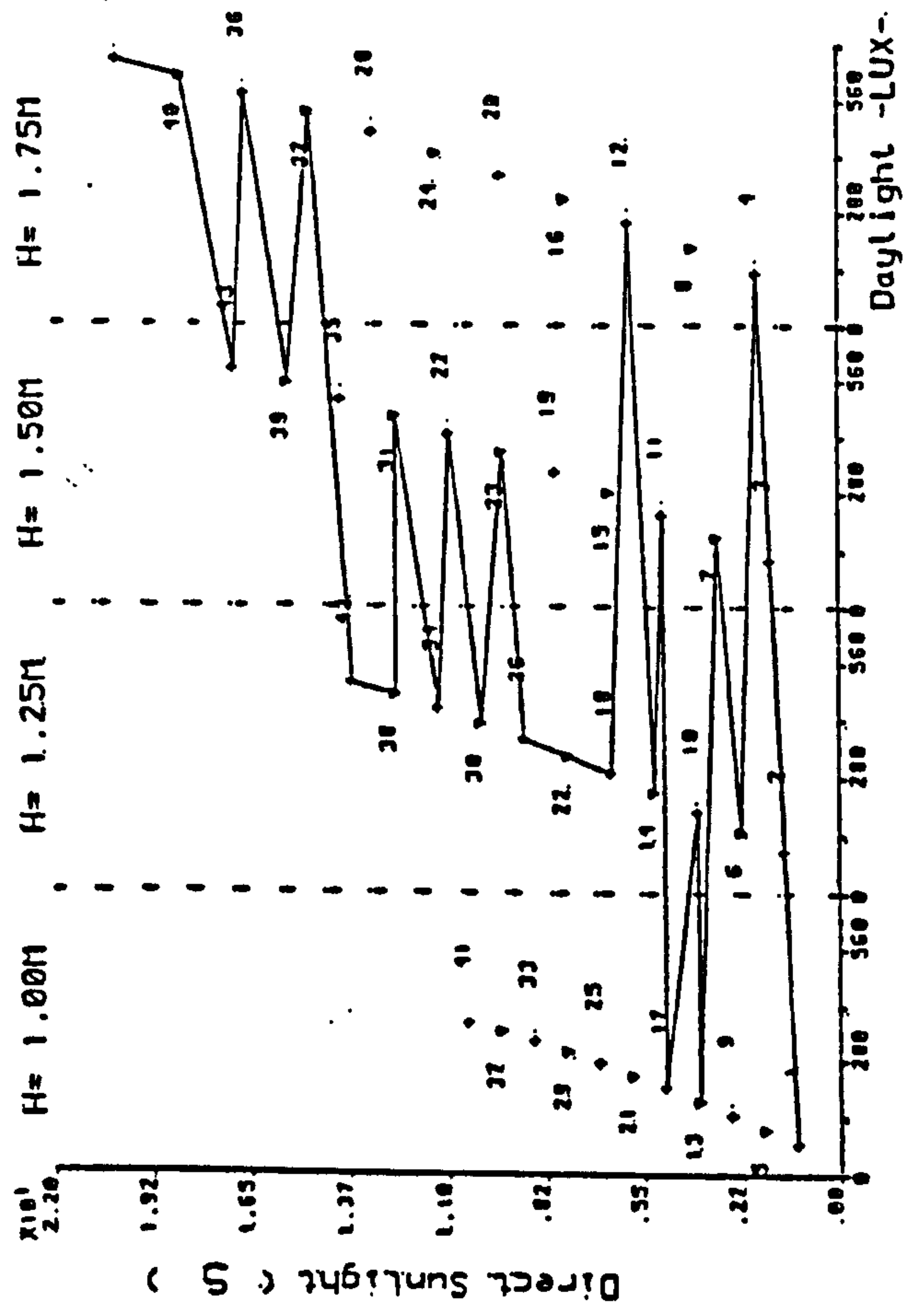
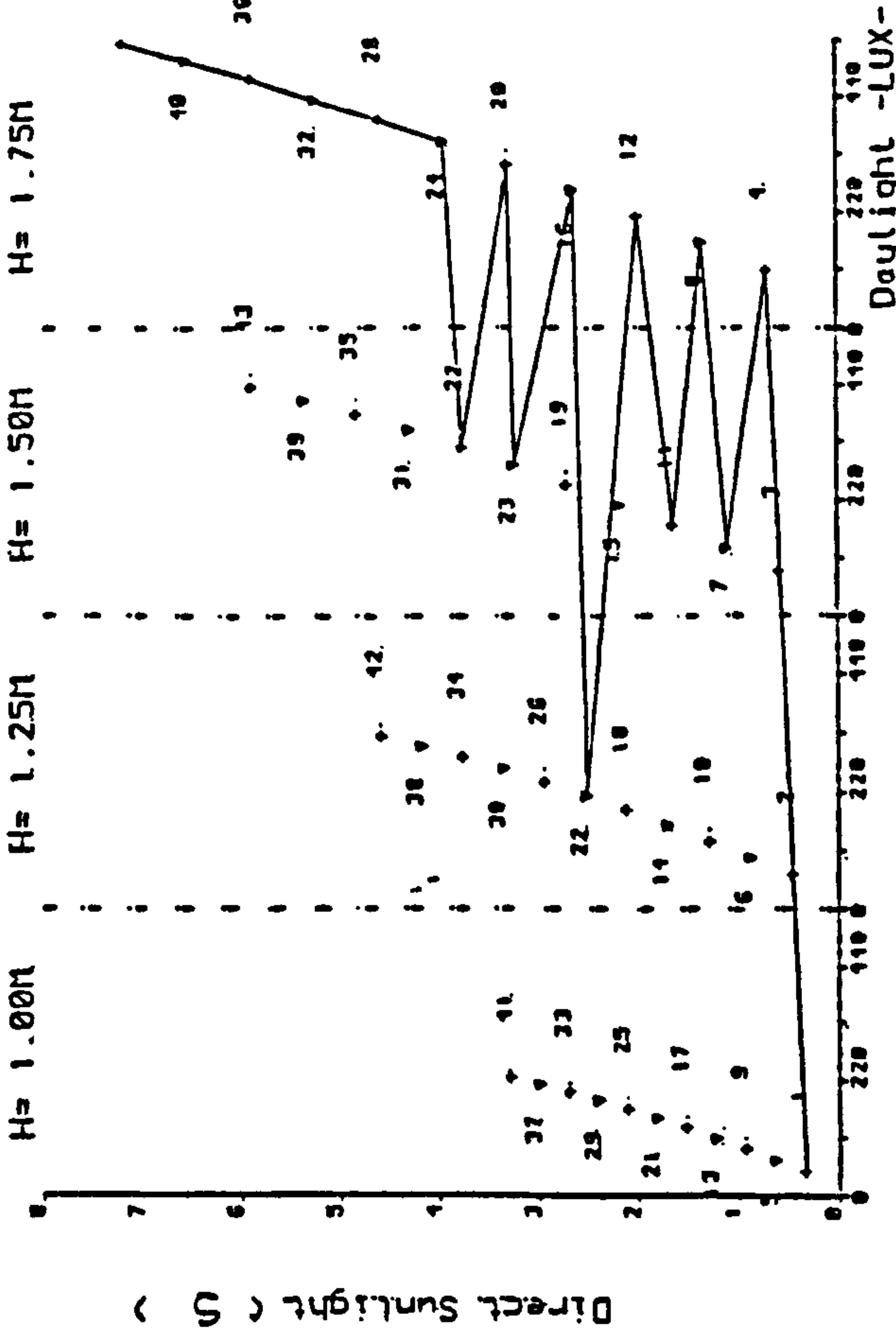


1619



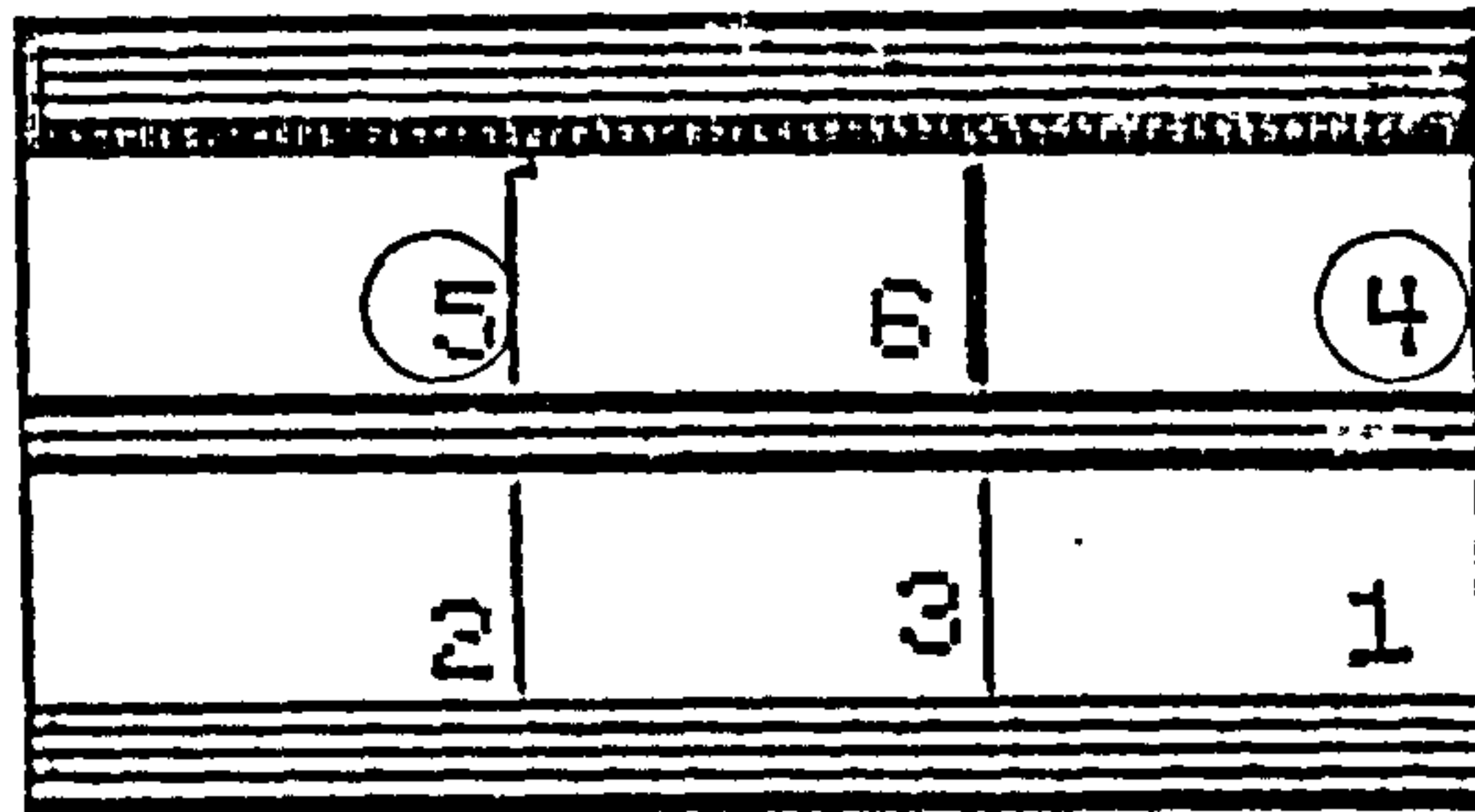












Key diagram showing the location  
of window data .

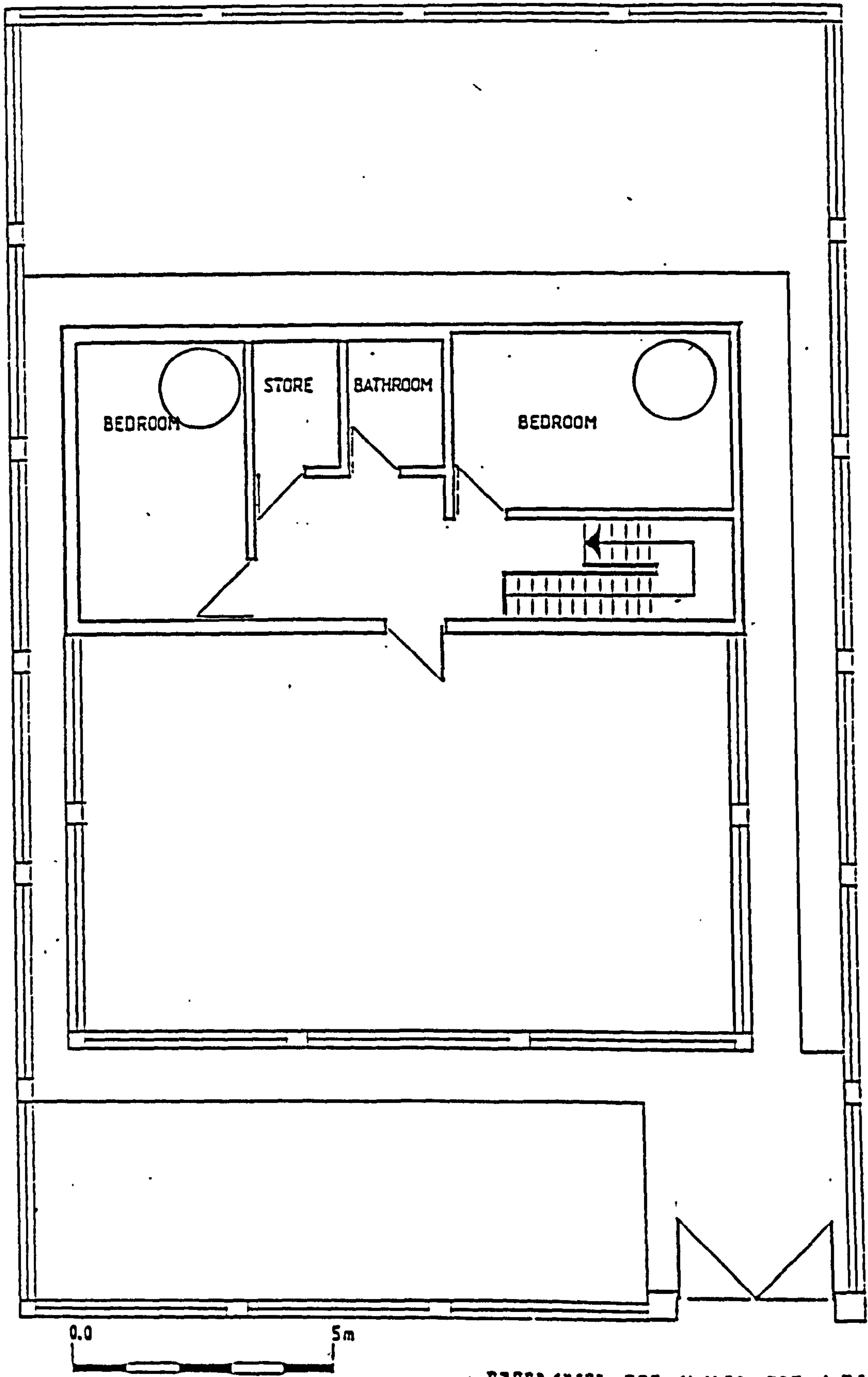


Back Wall  
2 Storey

Interhouse Distance

4, 6, 8 and 12m.

ORIENTATION	PAGE NO.
0.0	1626
22.5	1627
45	1628
67.5	1629
90	1630
112.5	1631
135	1632
157.5	1633
180	1634
202.5	1635
225	1636
247.5	1637
270	1638
292.5	1639
315	1640
337.5	1641

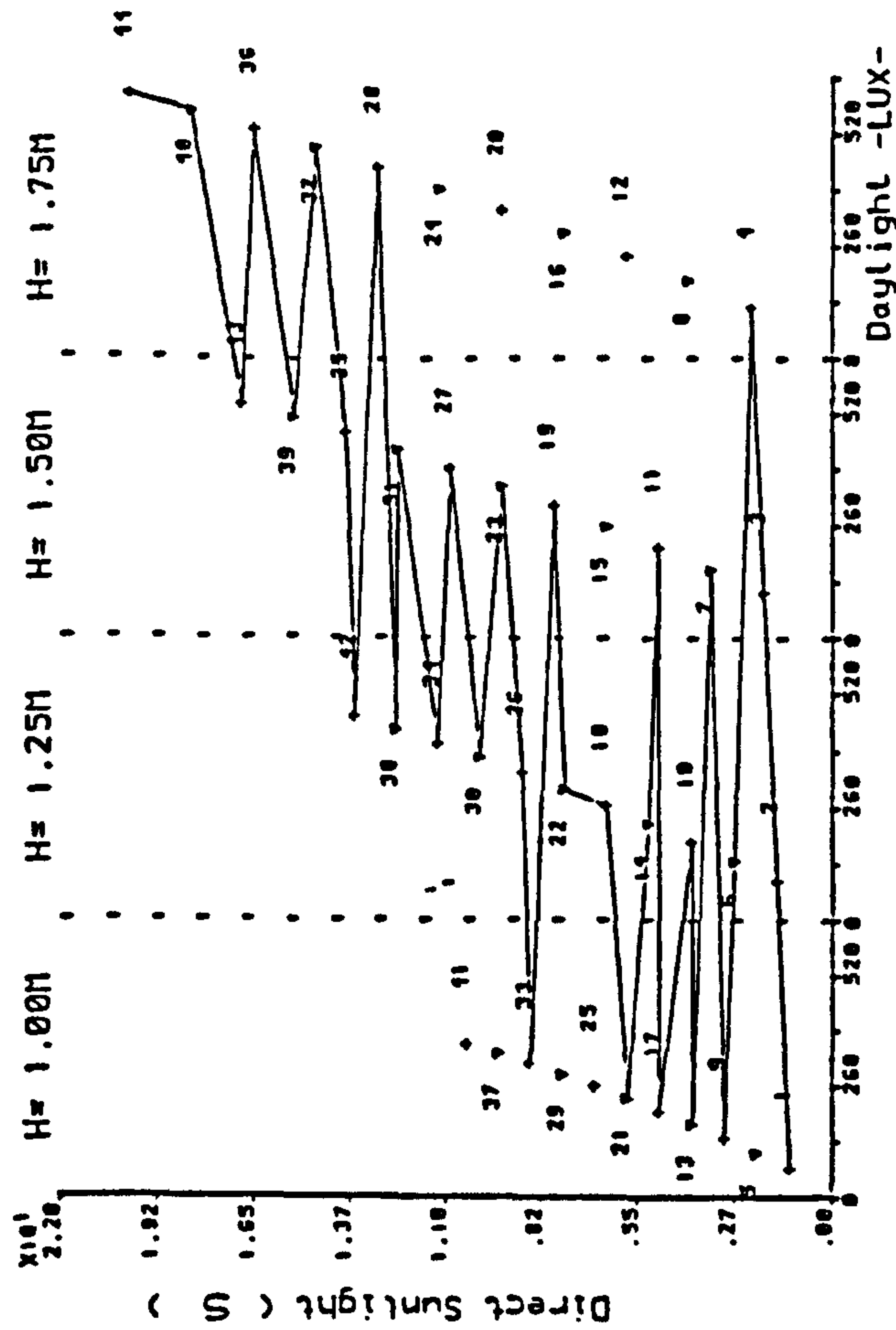


FIRST FLOOR PLAN

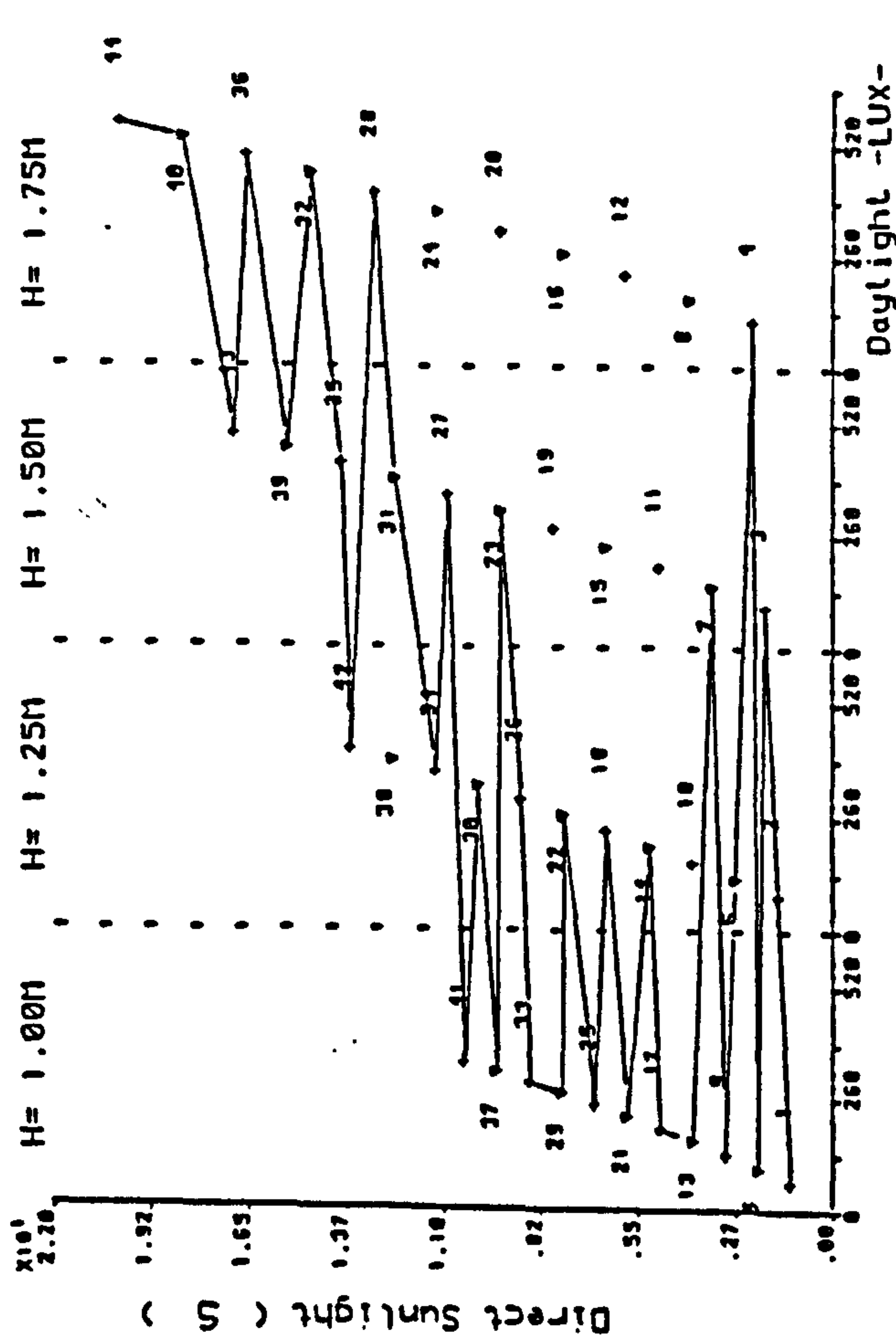




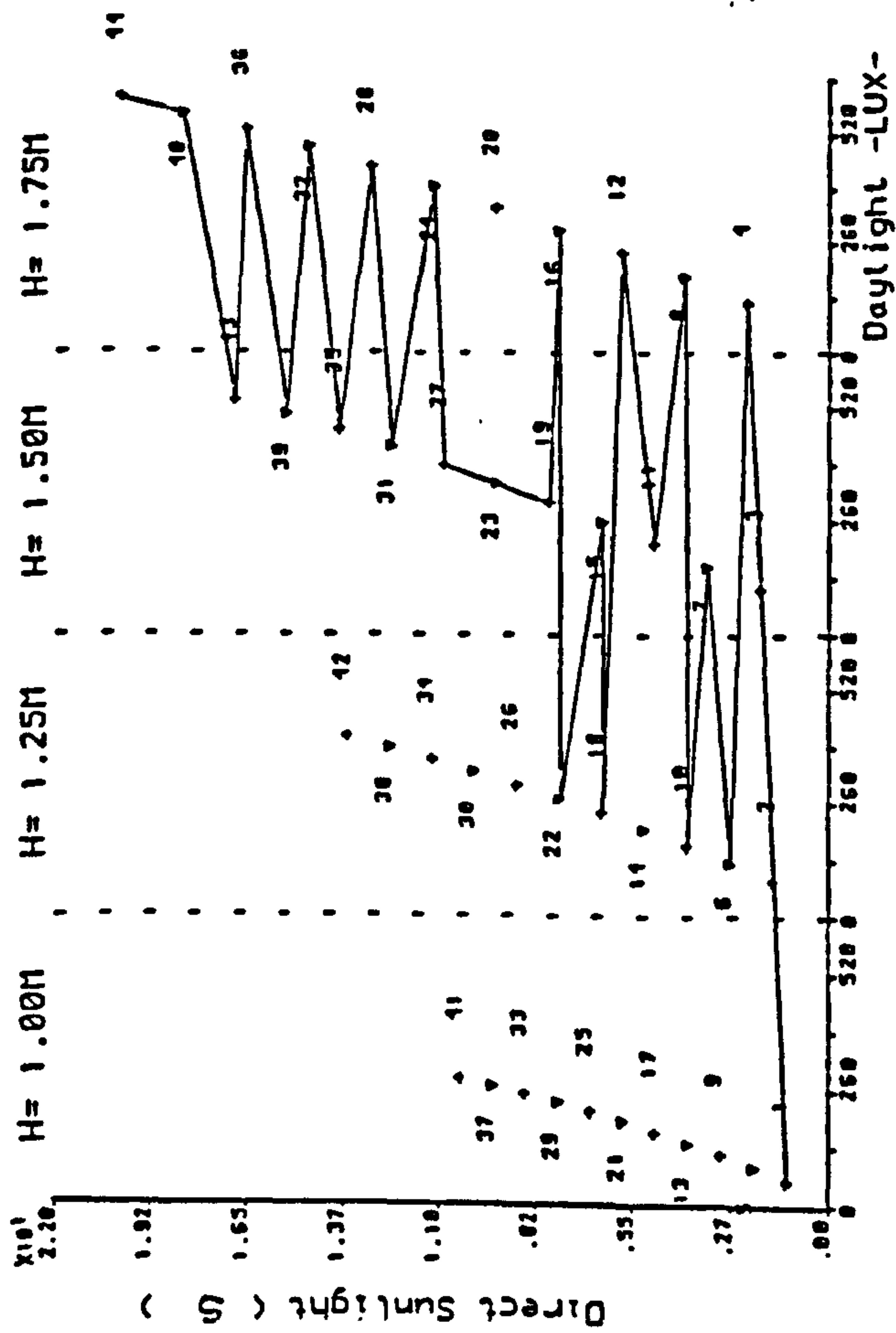




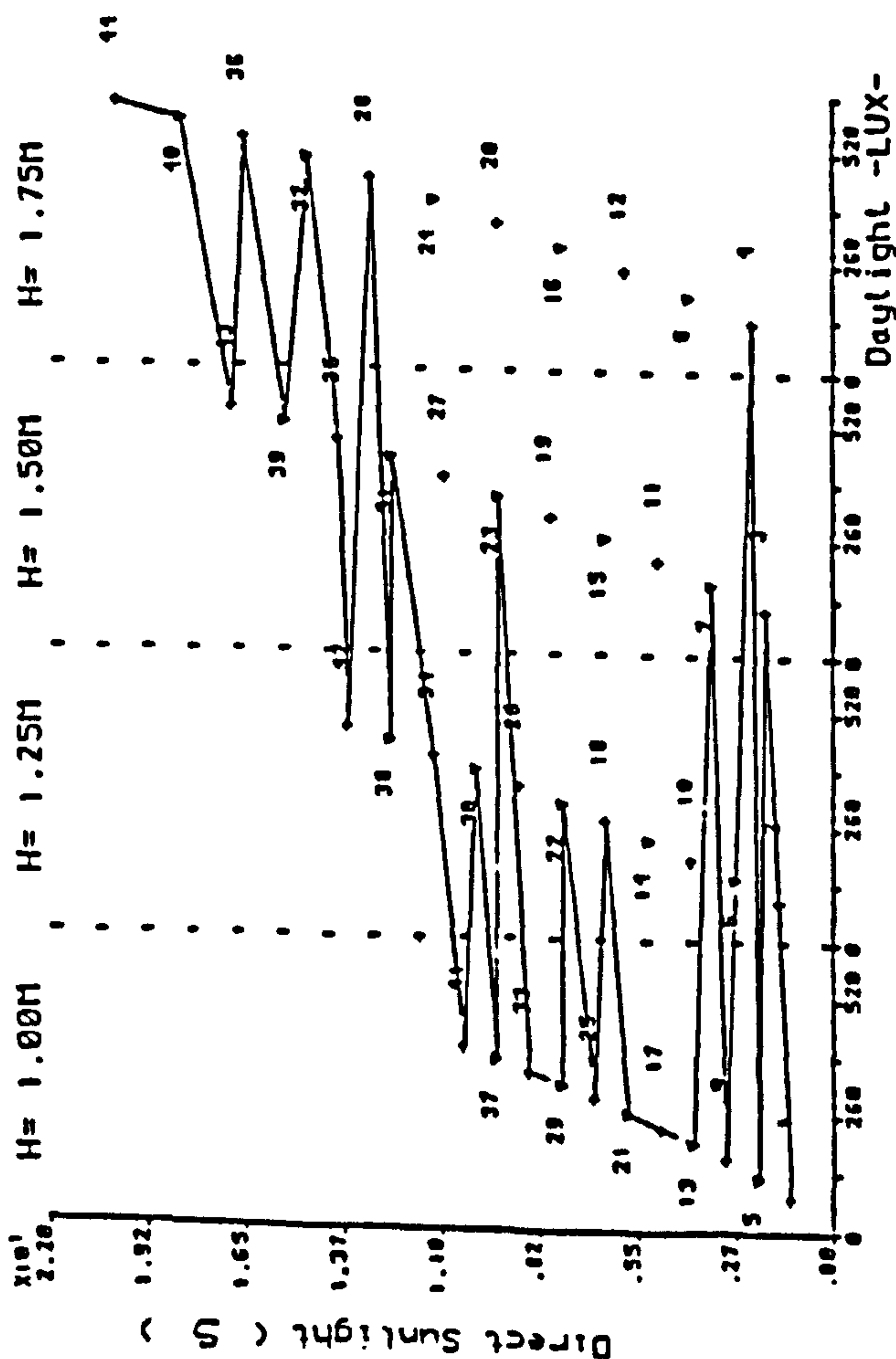
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -



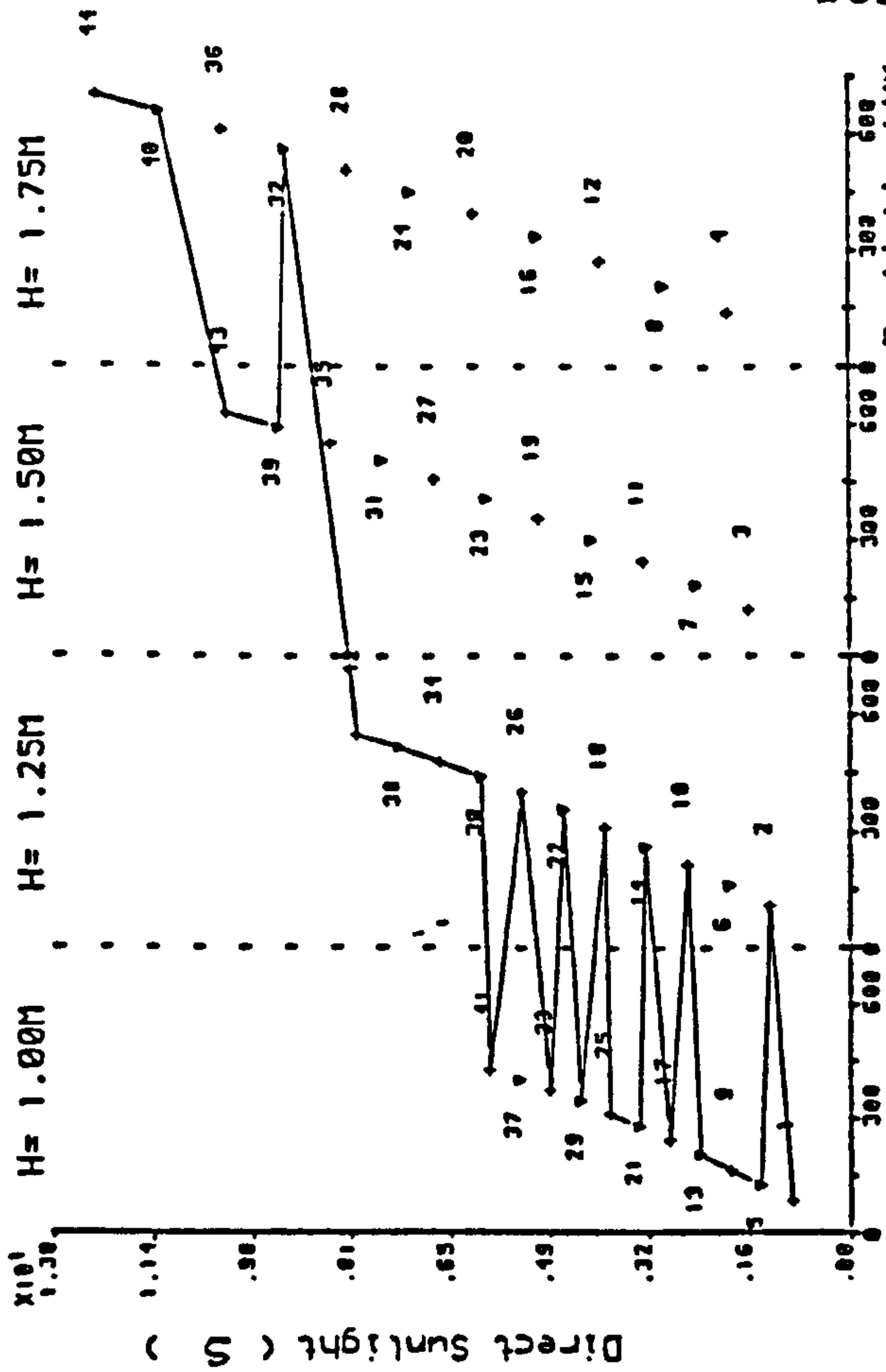
INTERHOUSE DISTANCE - 4M -



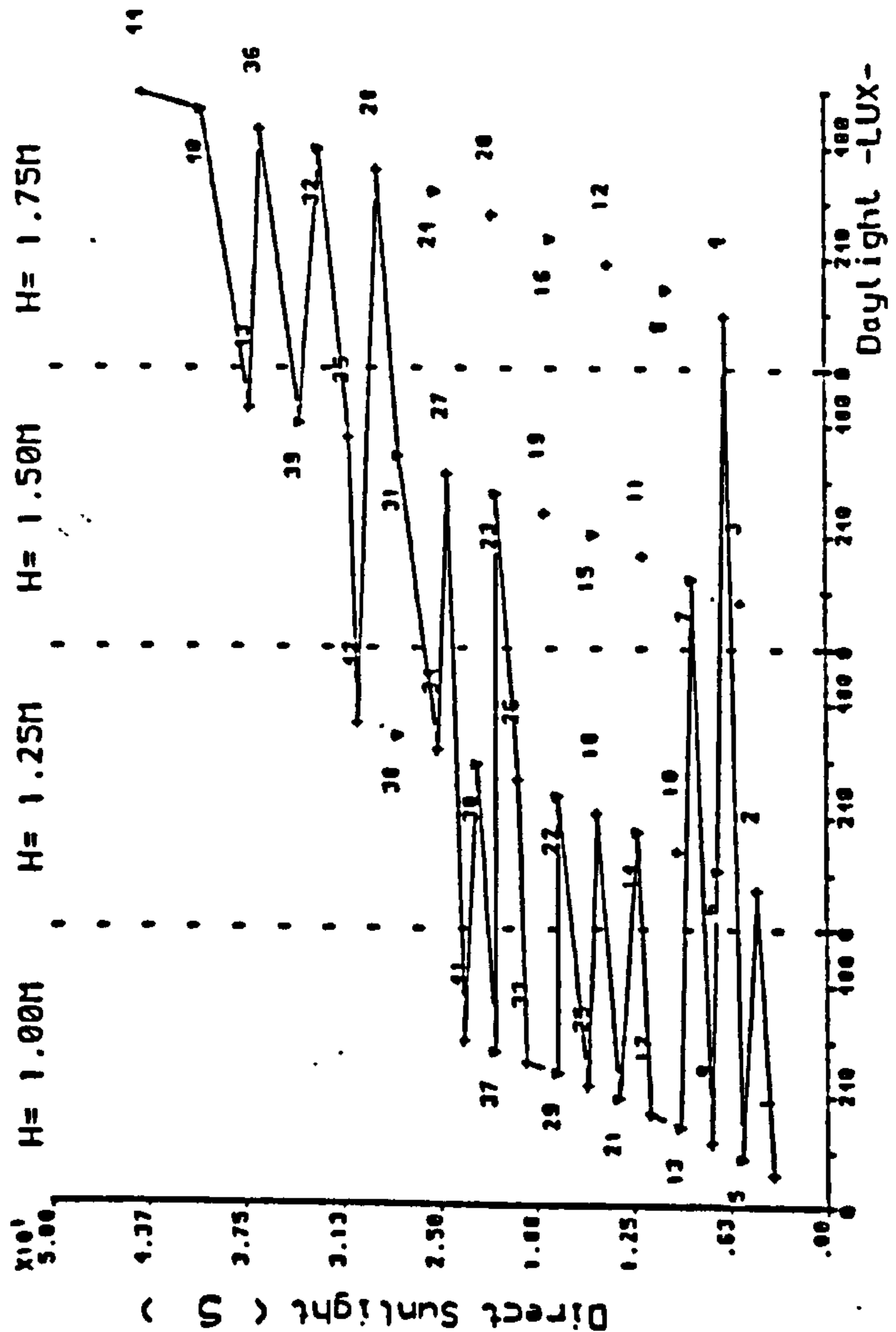
INTERHOUSE DISTANCE - 8M -



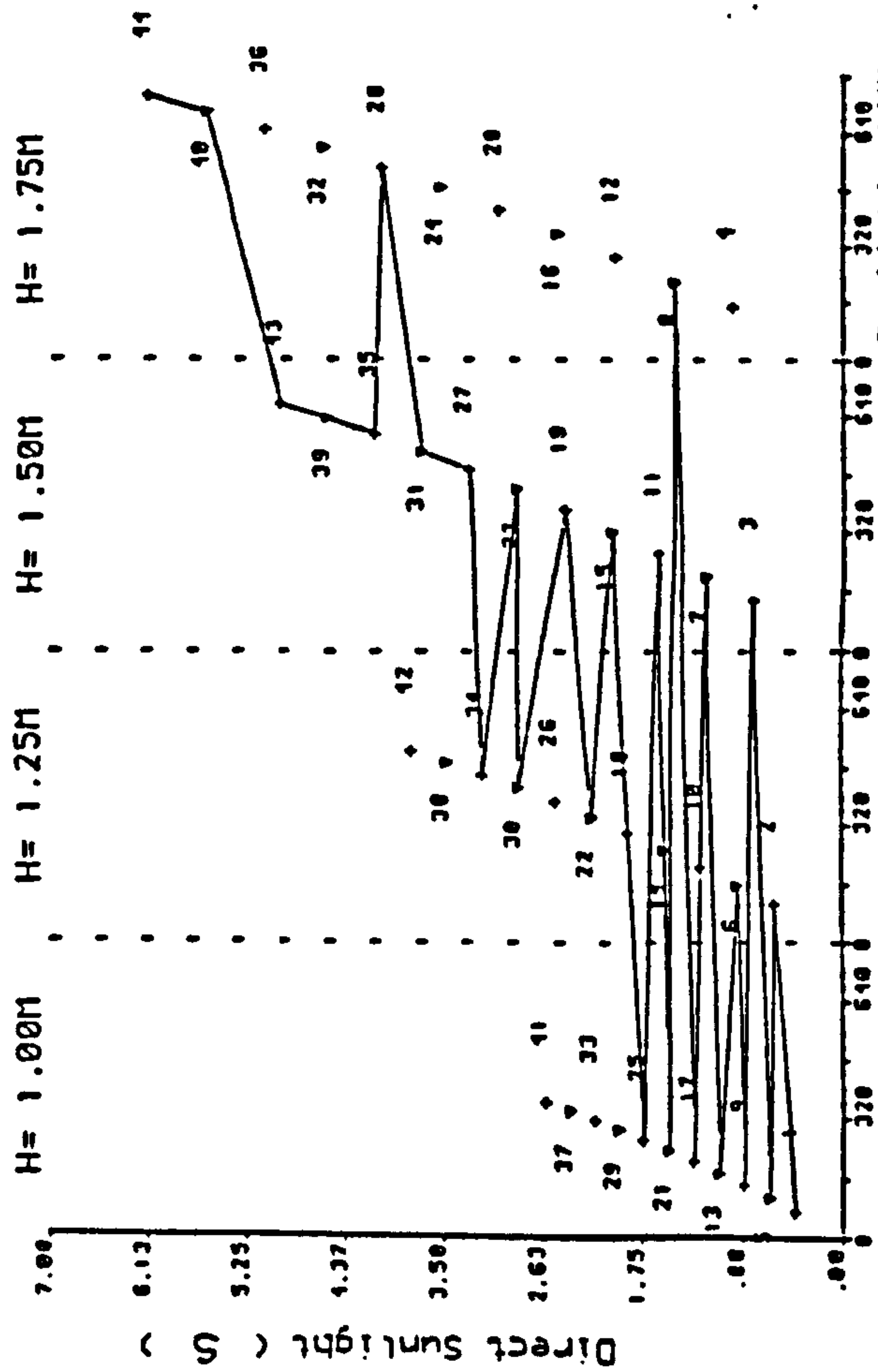




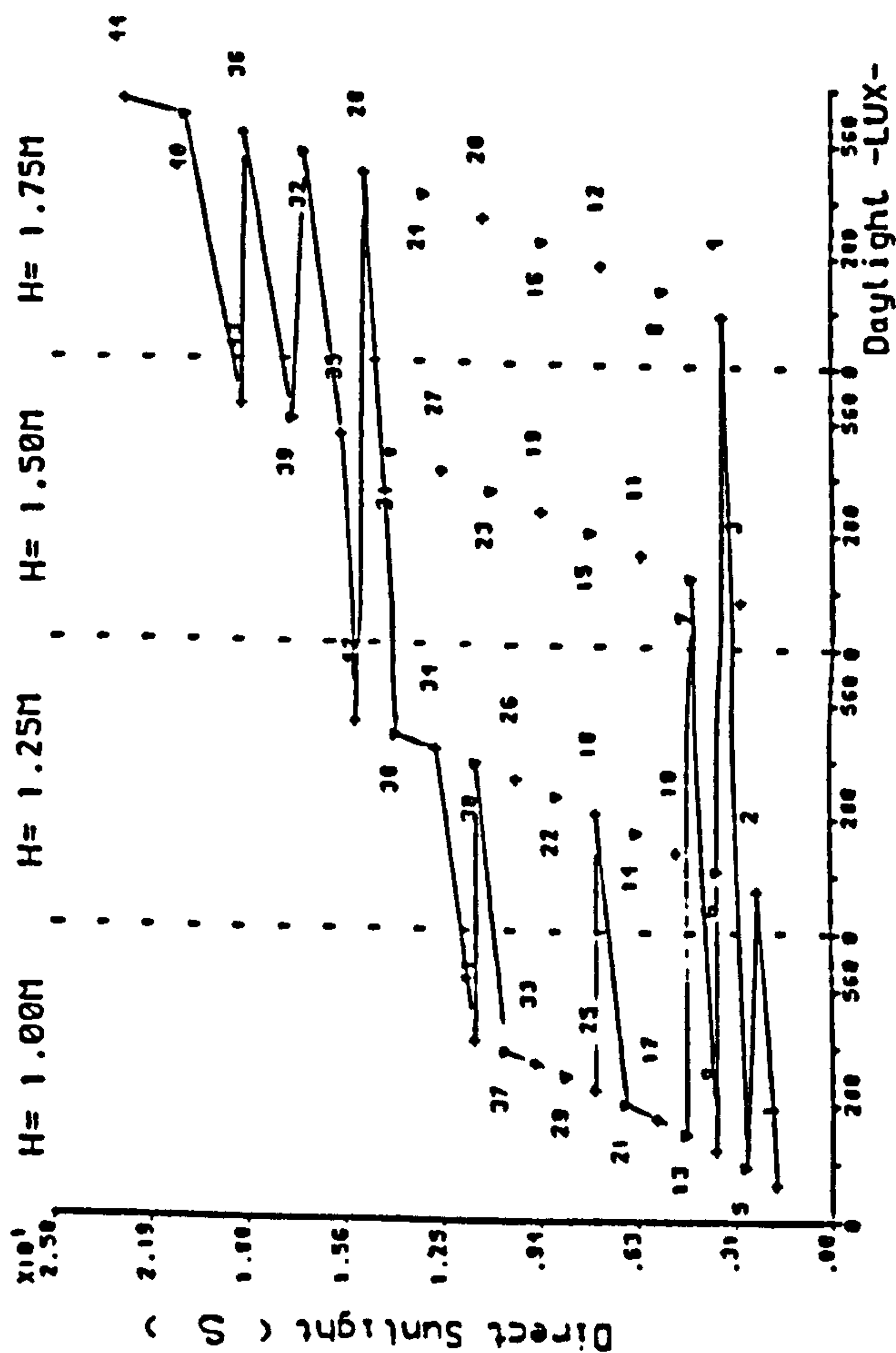
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -

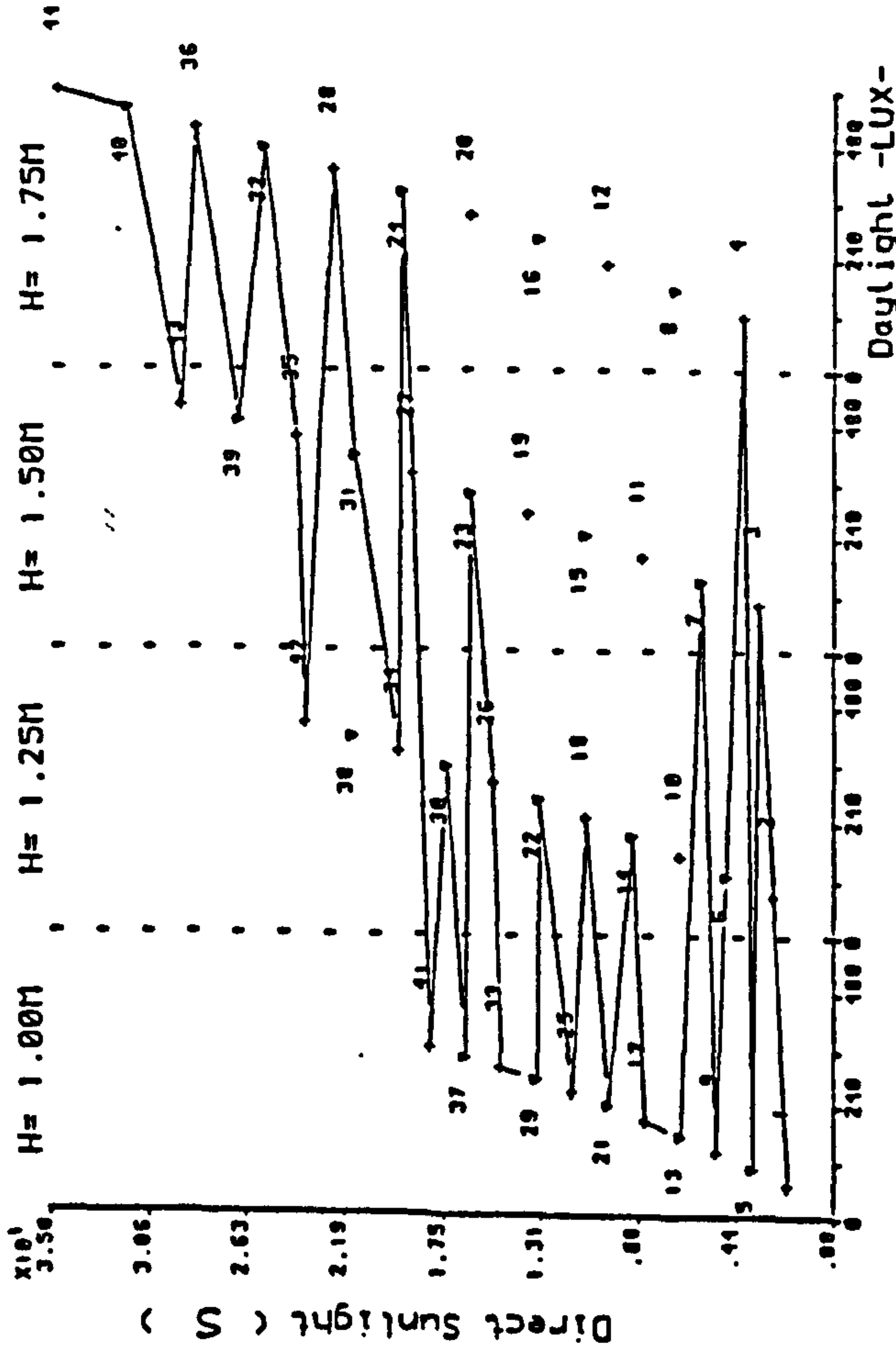
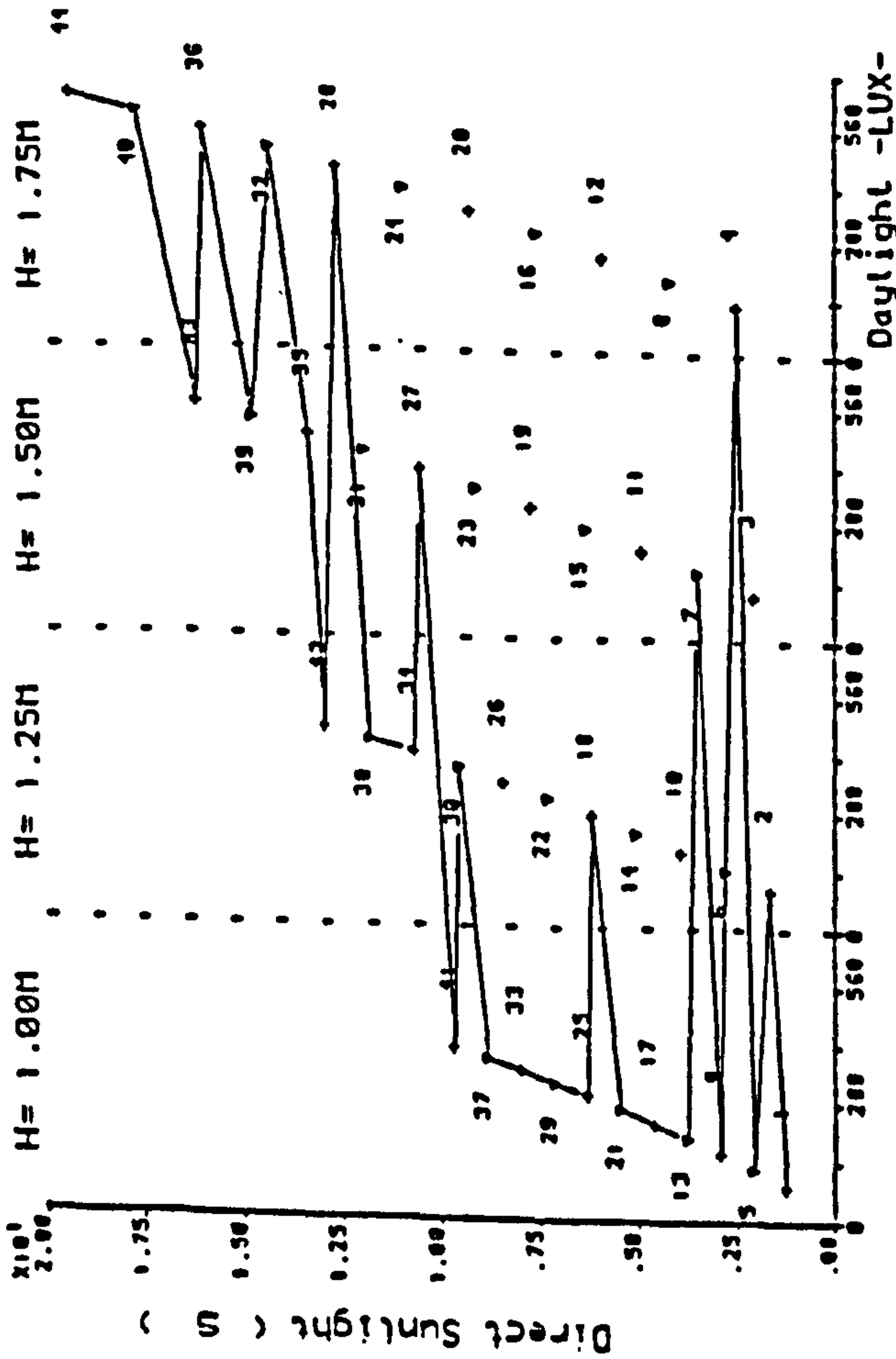
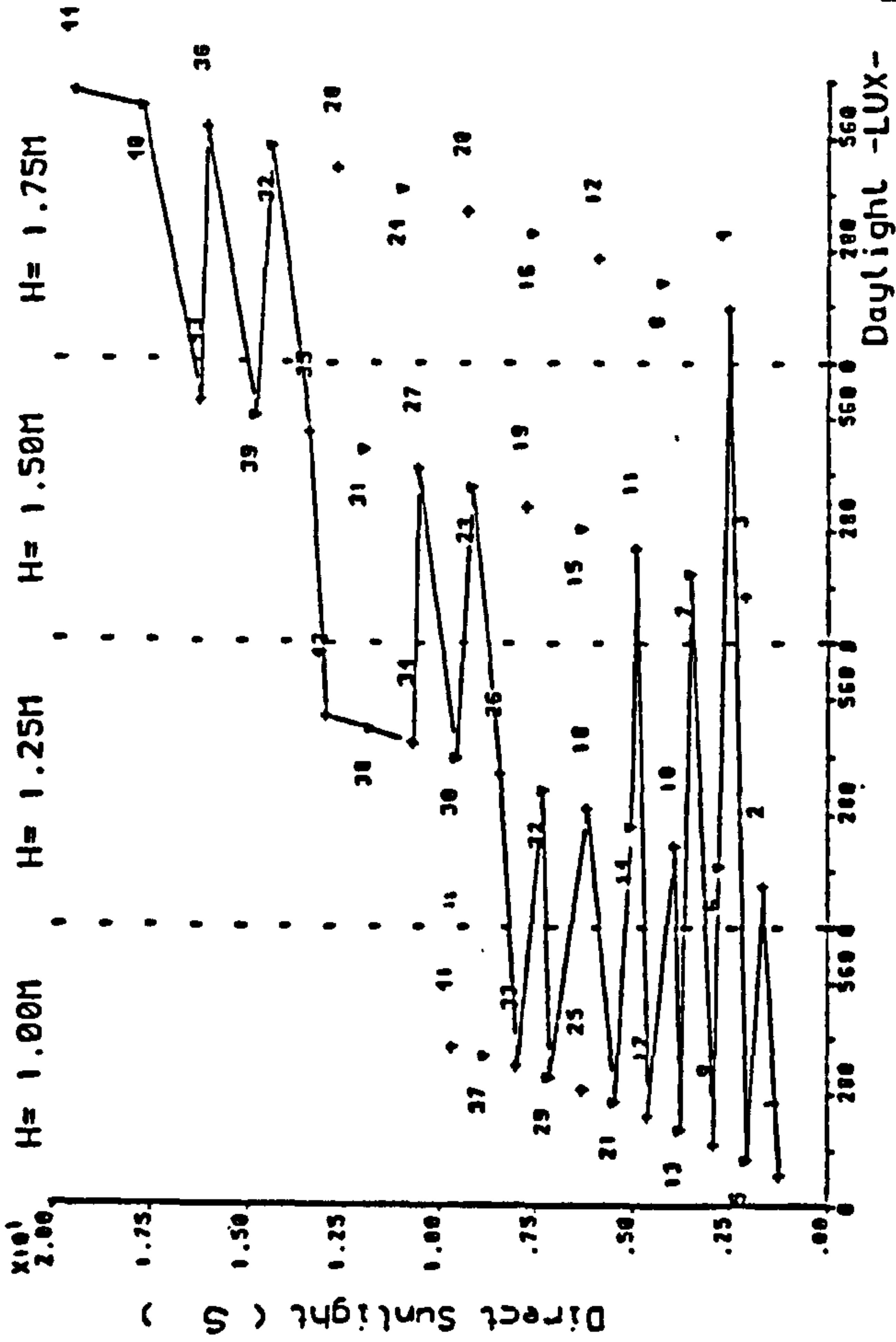
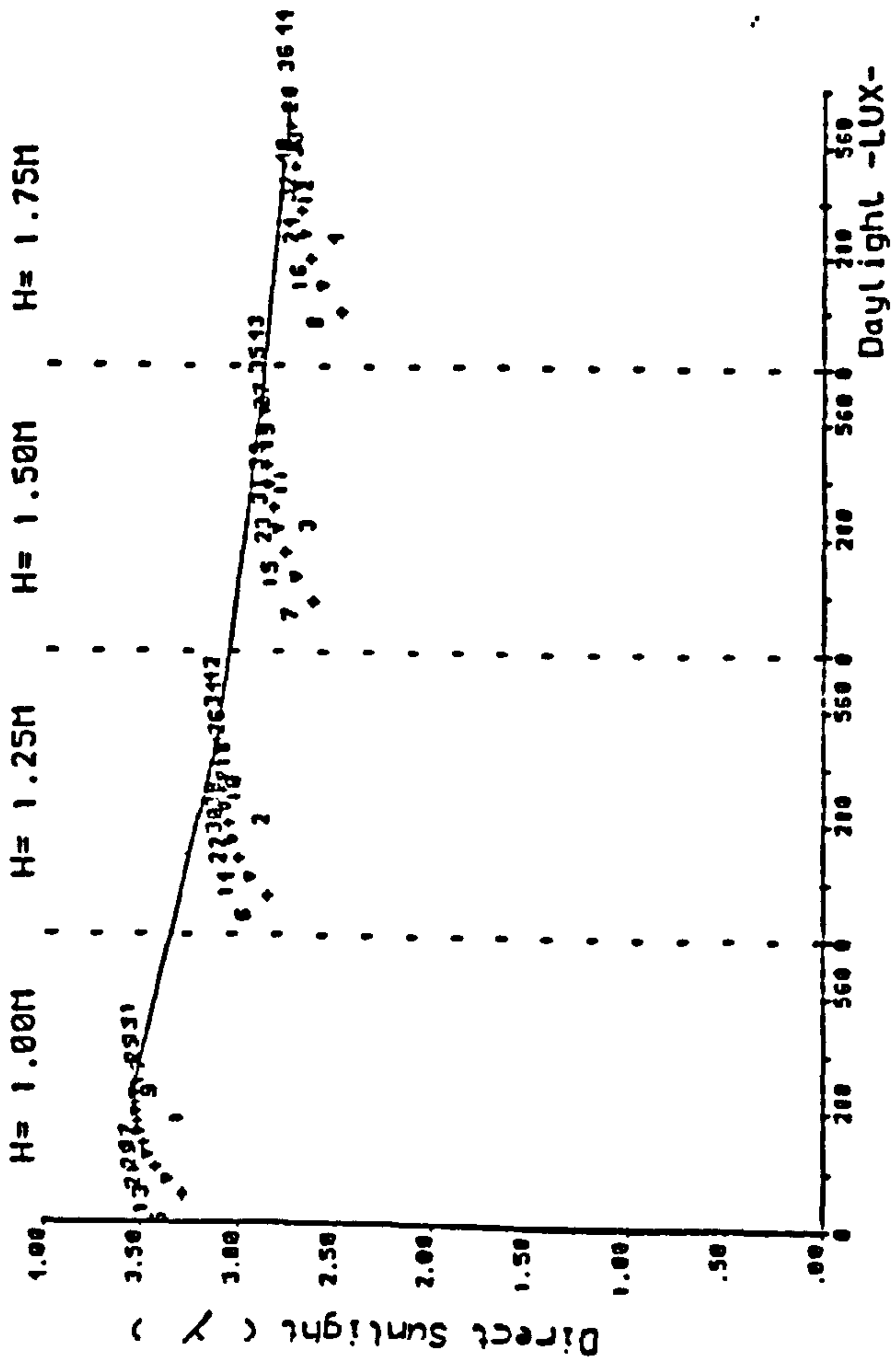


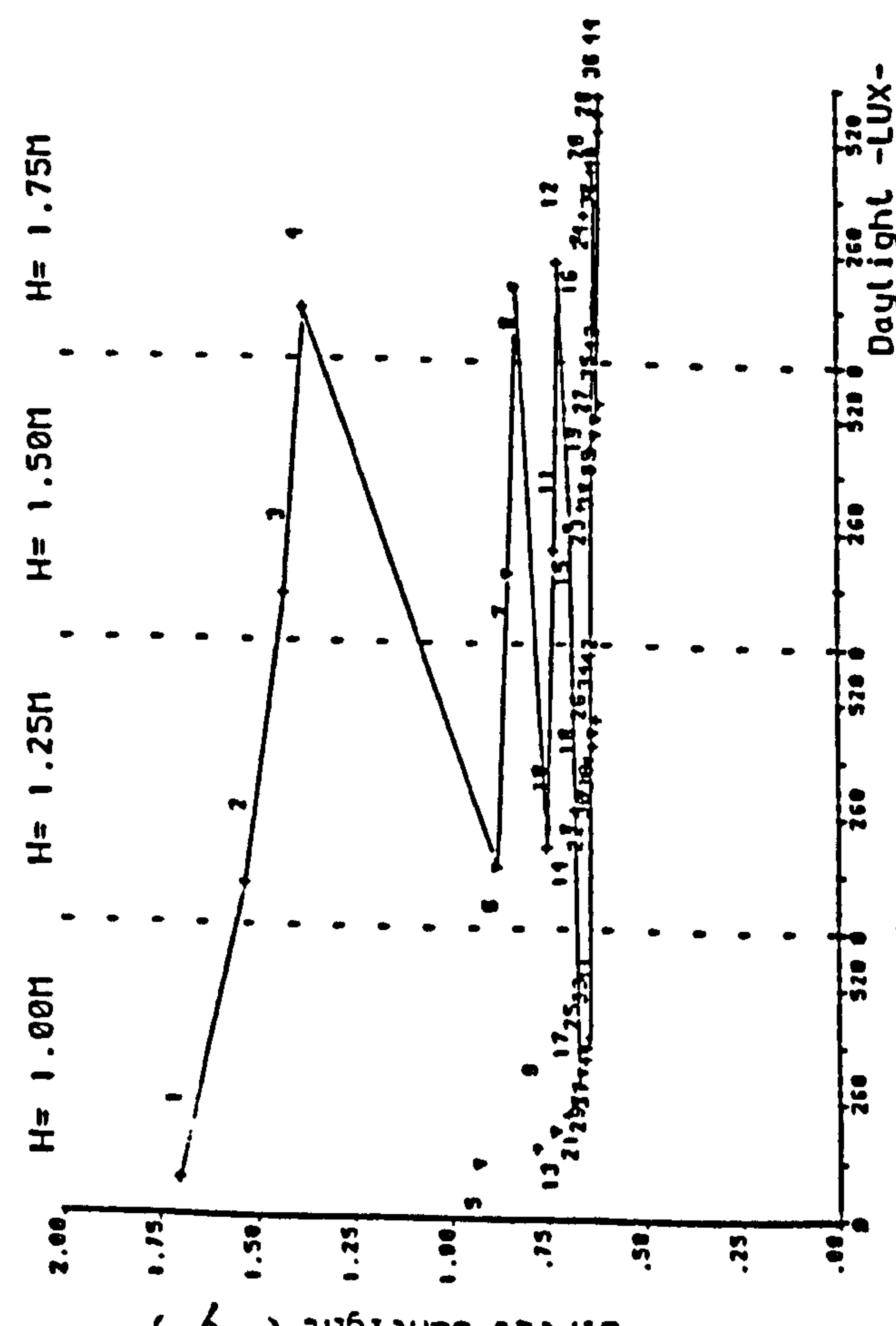
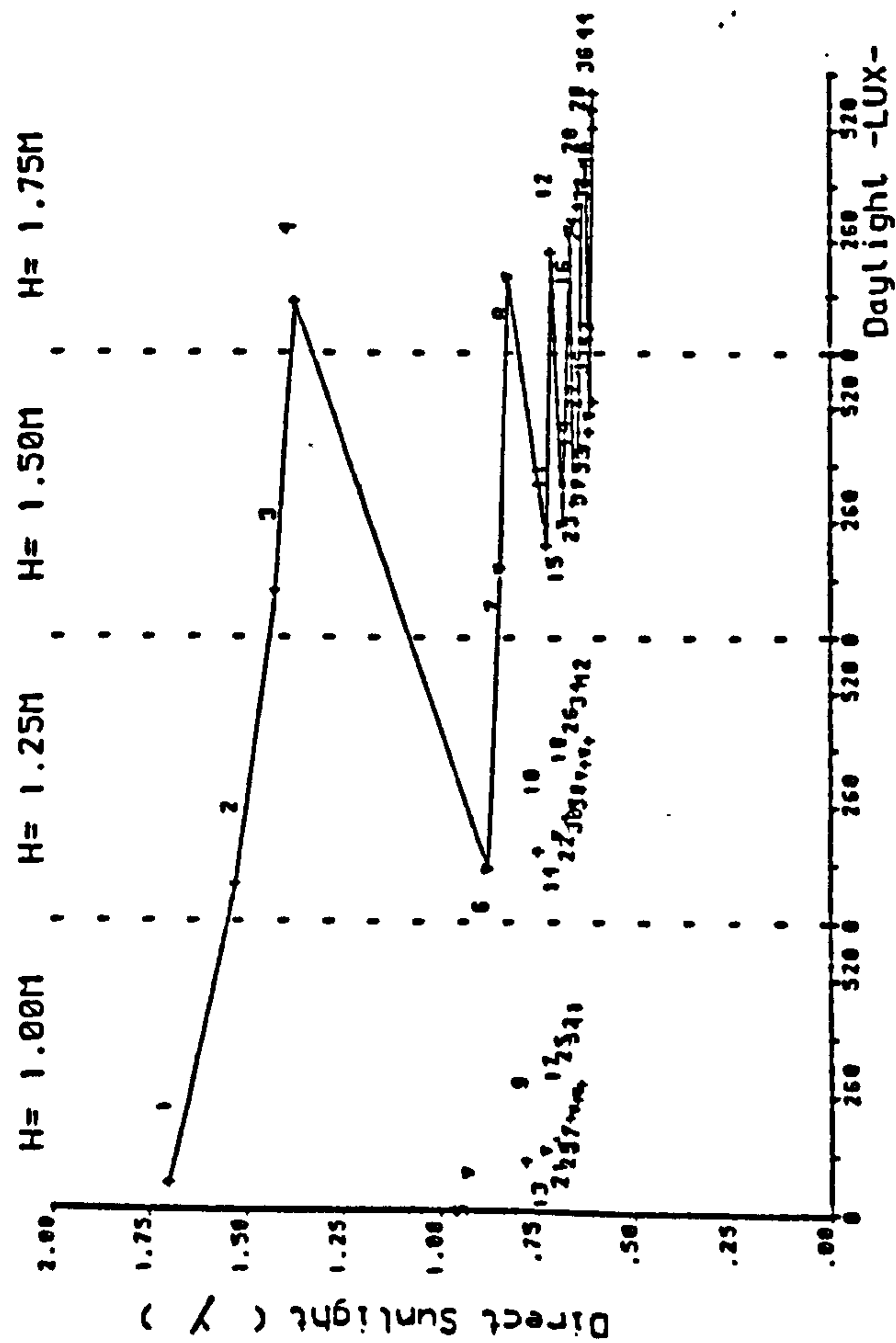
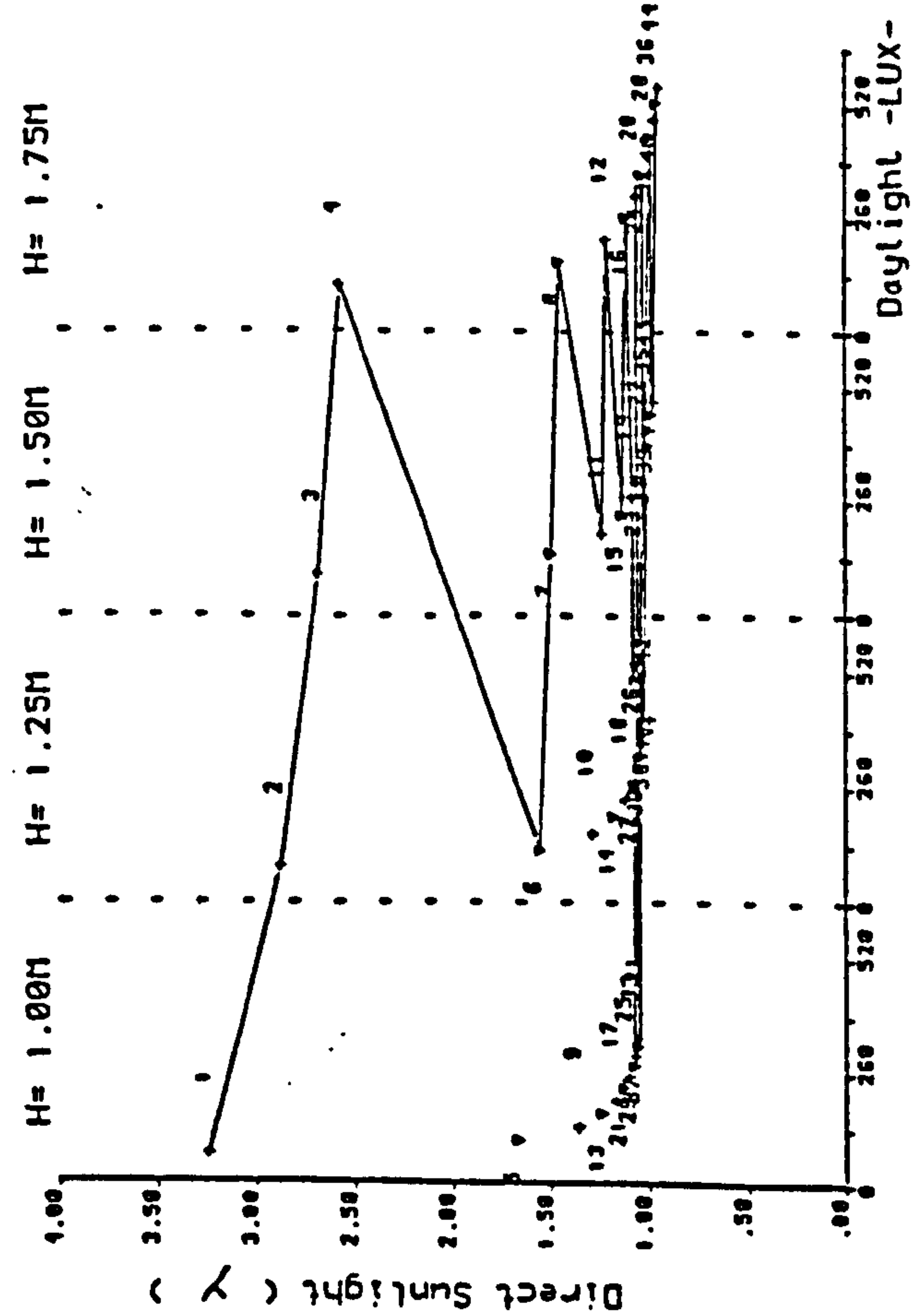
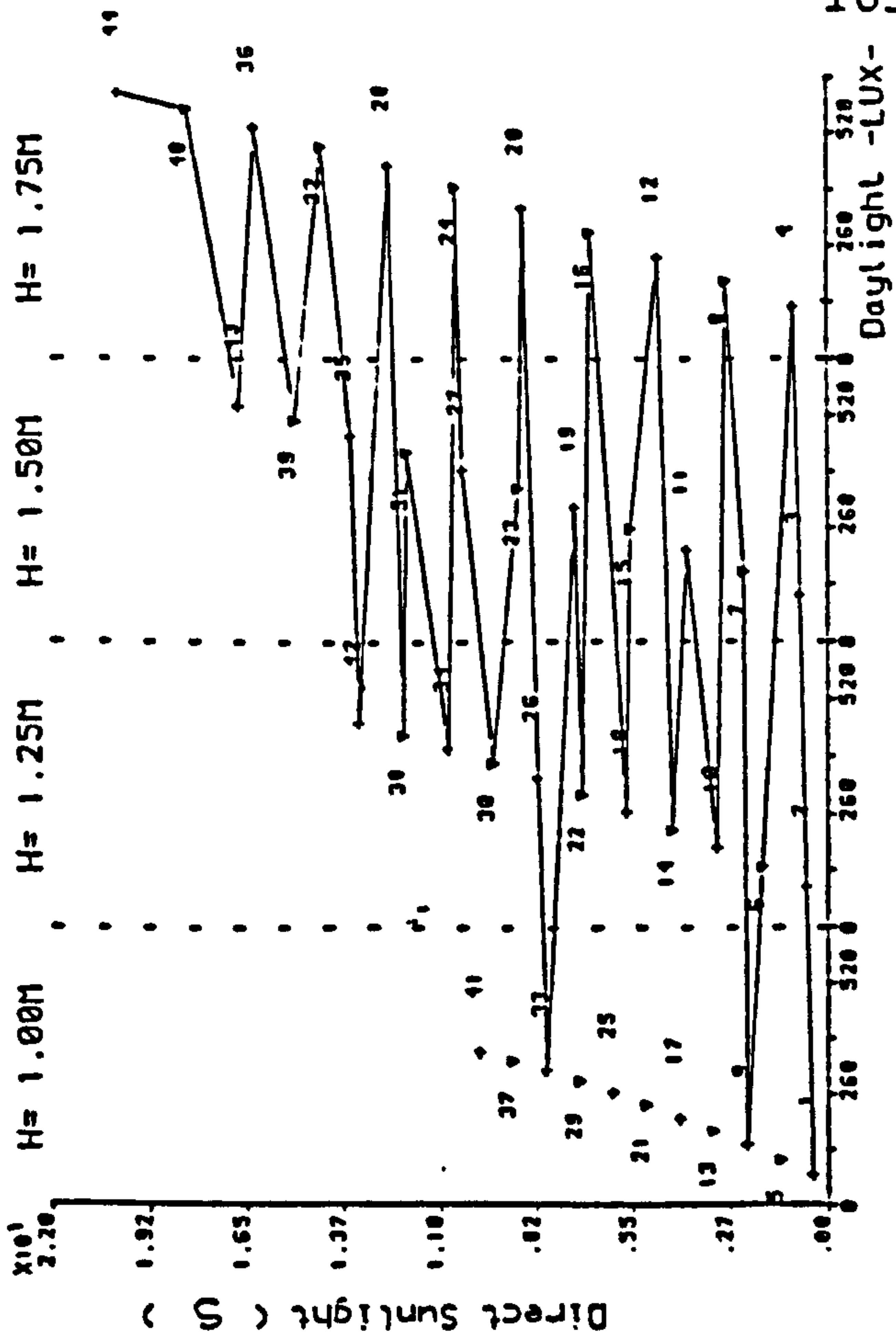
INTERHOUSE DISTANCE - 4M -

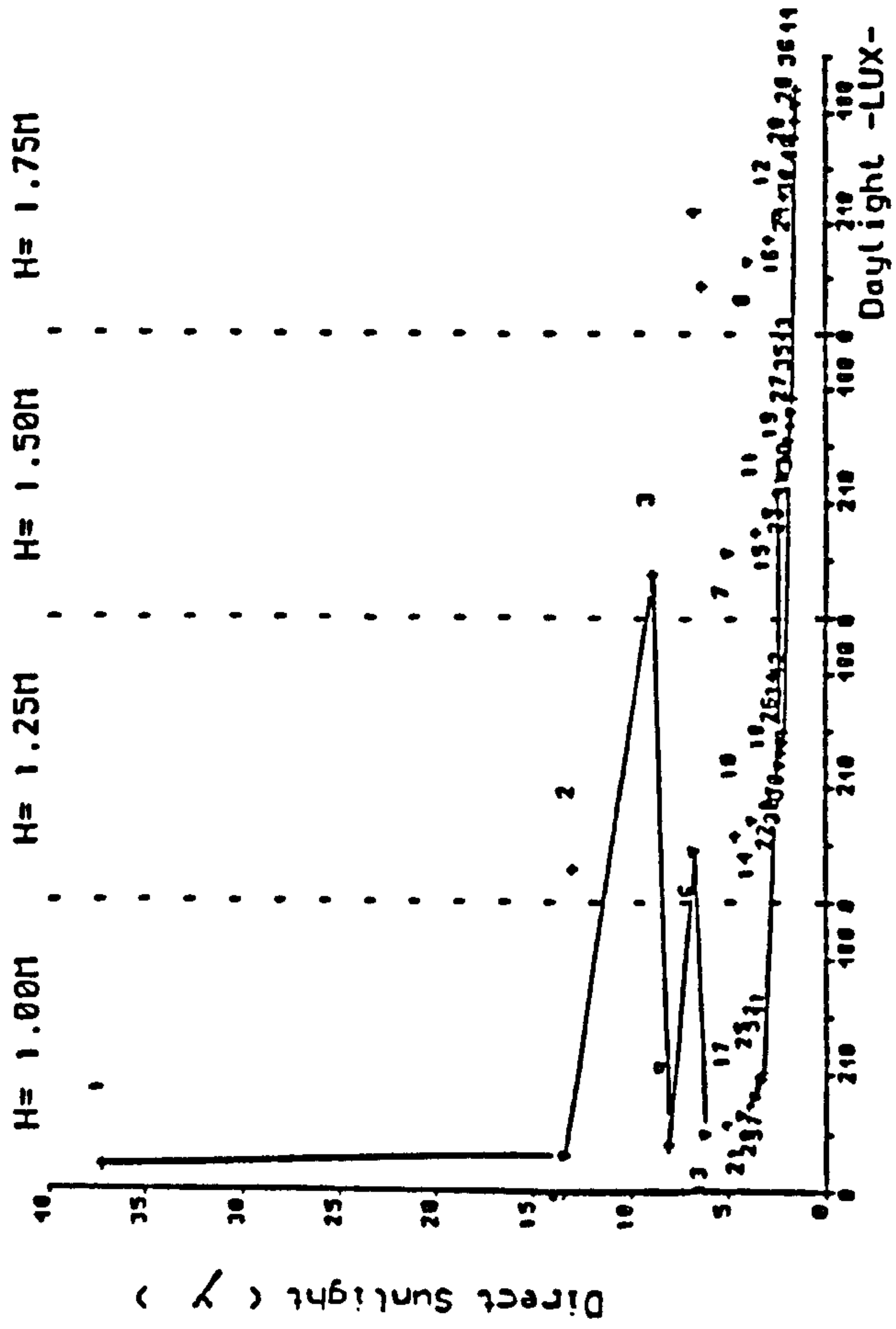


INTERHOUSE DISTANCE - 8M -

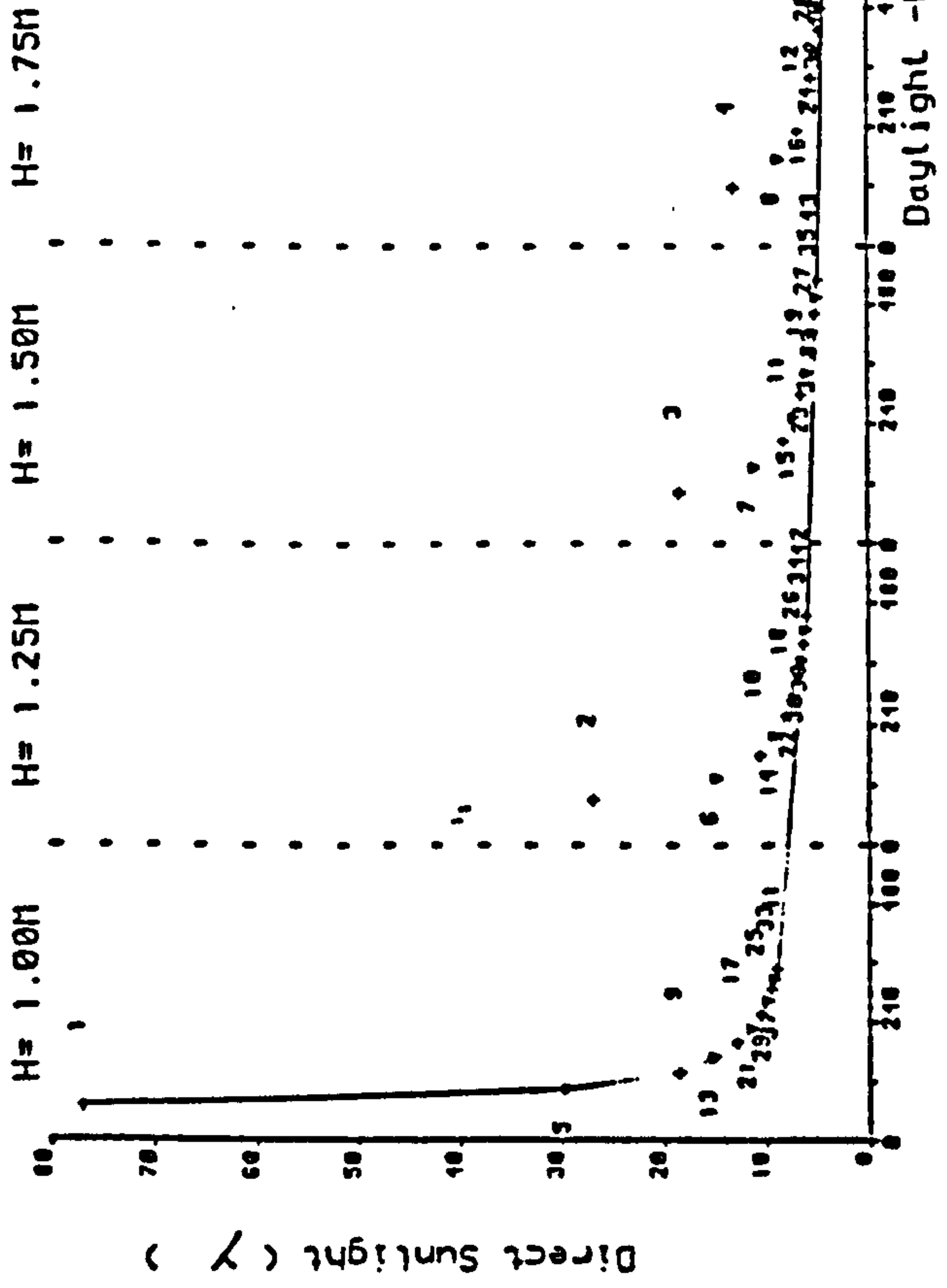






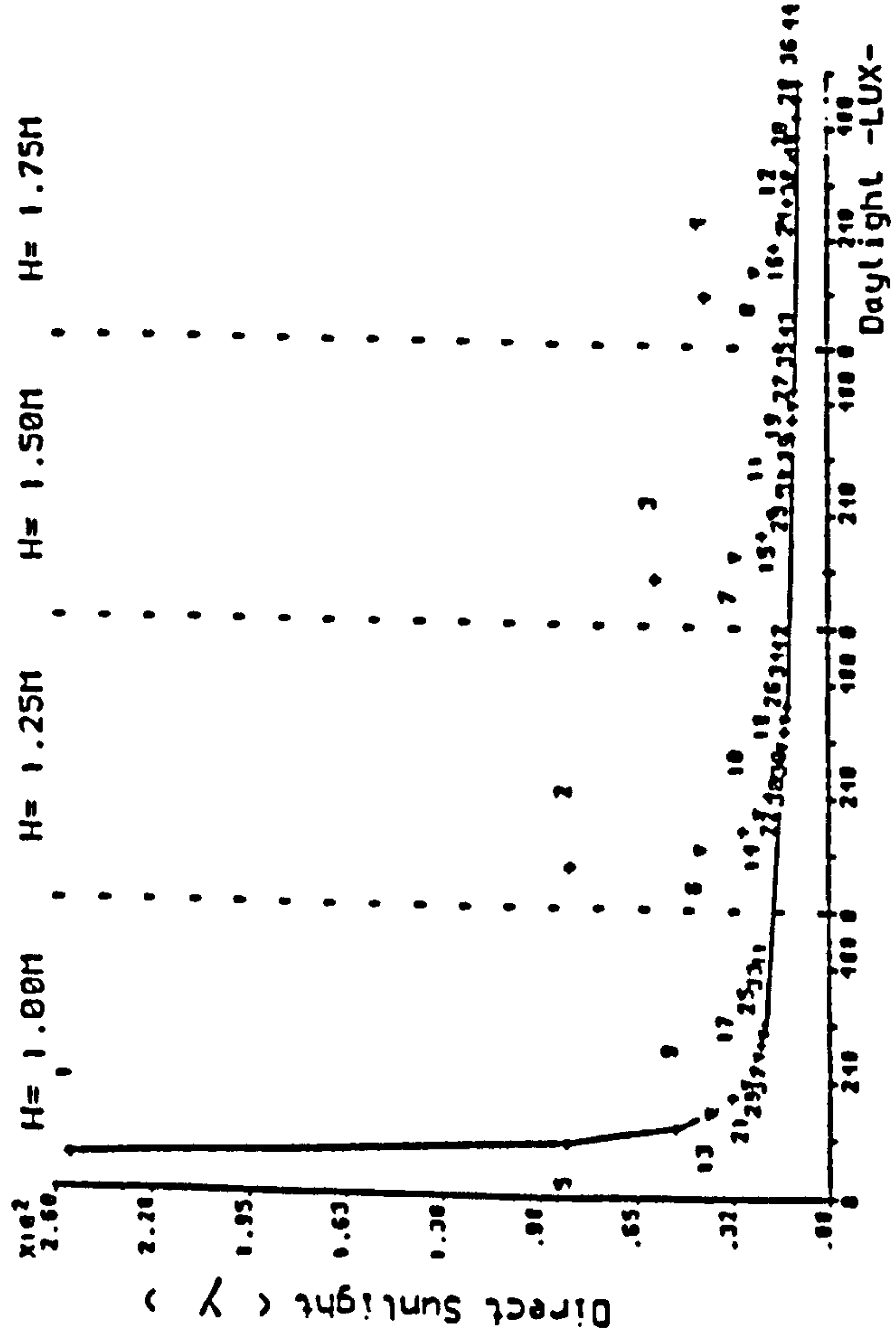


INTERHOUSE DISTANCE - 4M -

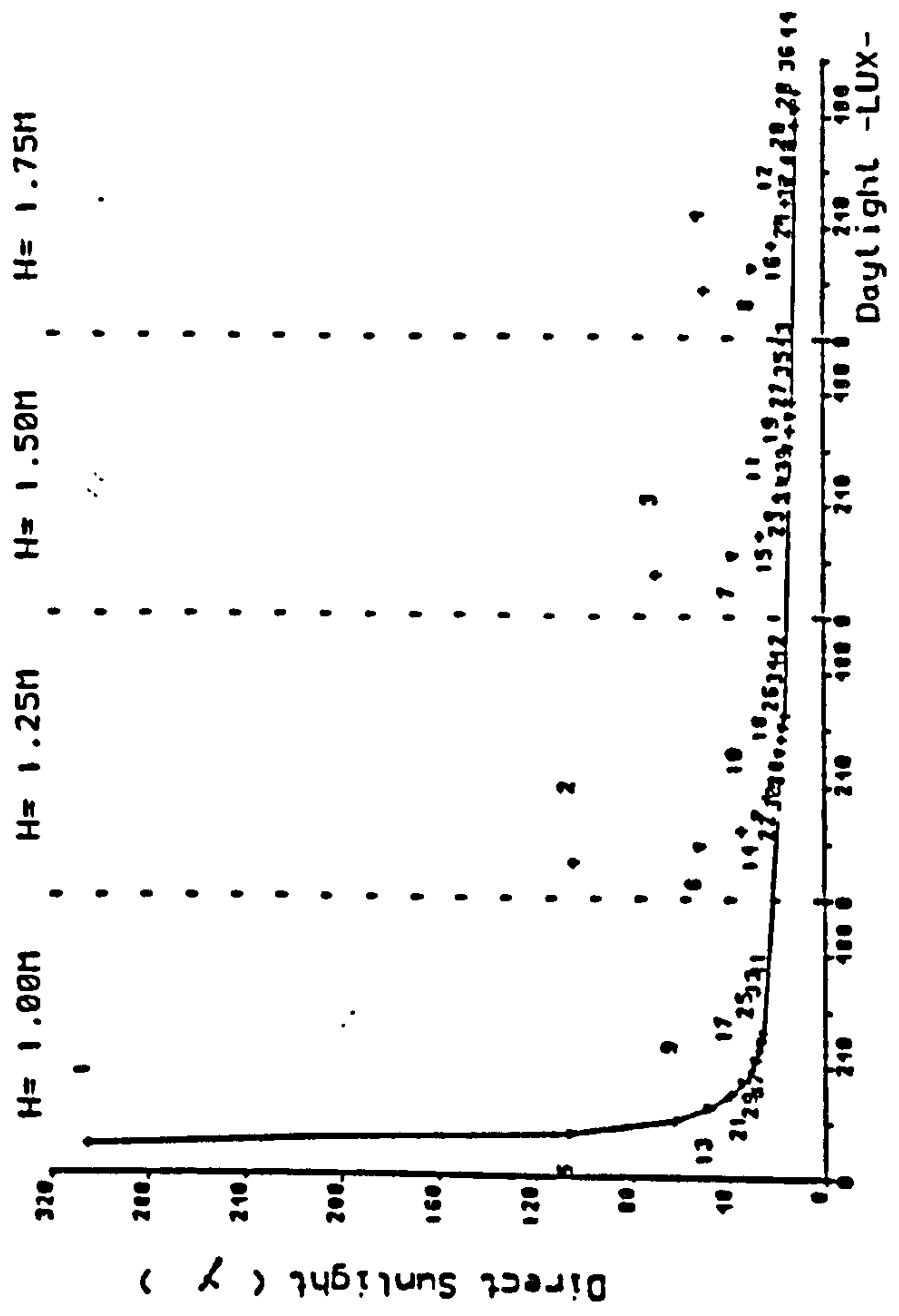


INTERHOUSE DISTANCE - 6M -

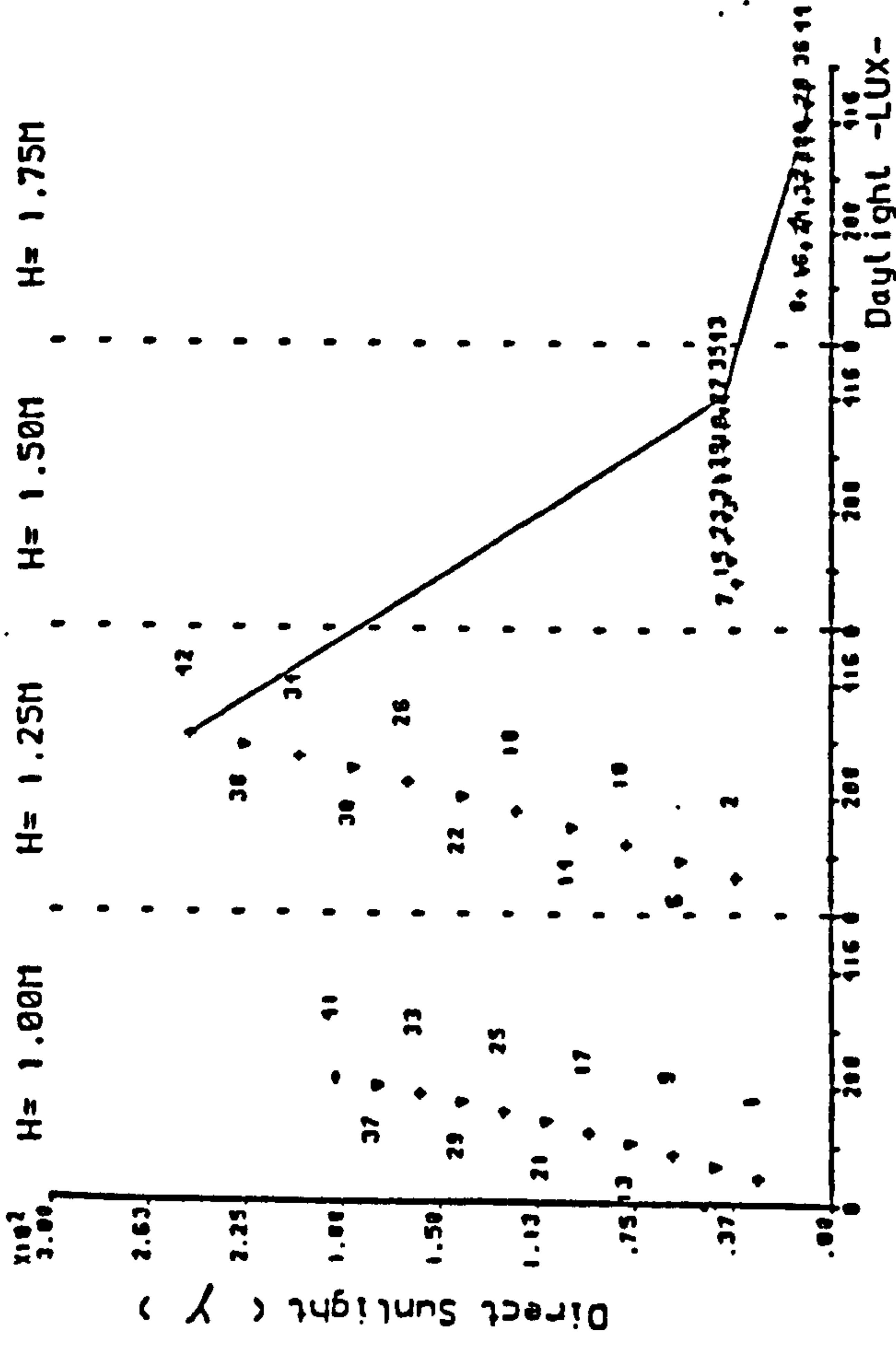
1633



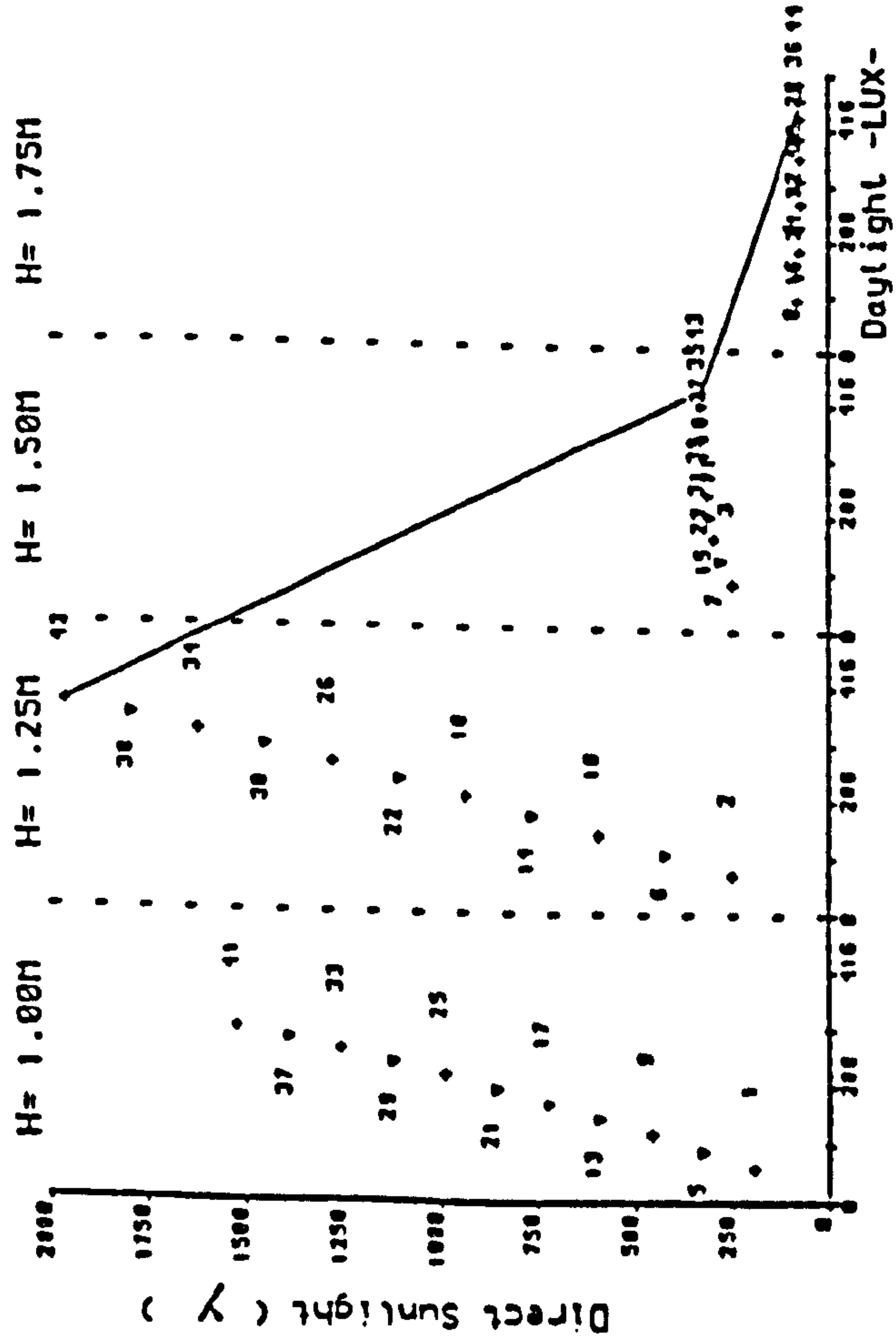
INTERHOUSE DISTANCE - 8M -



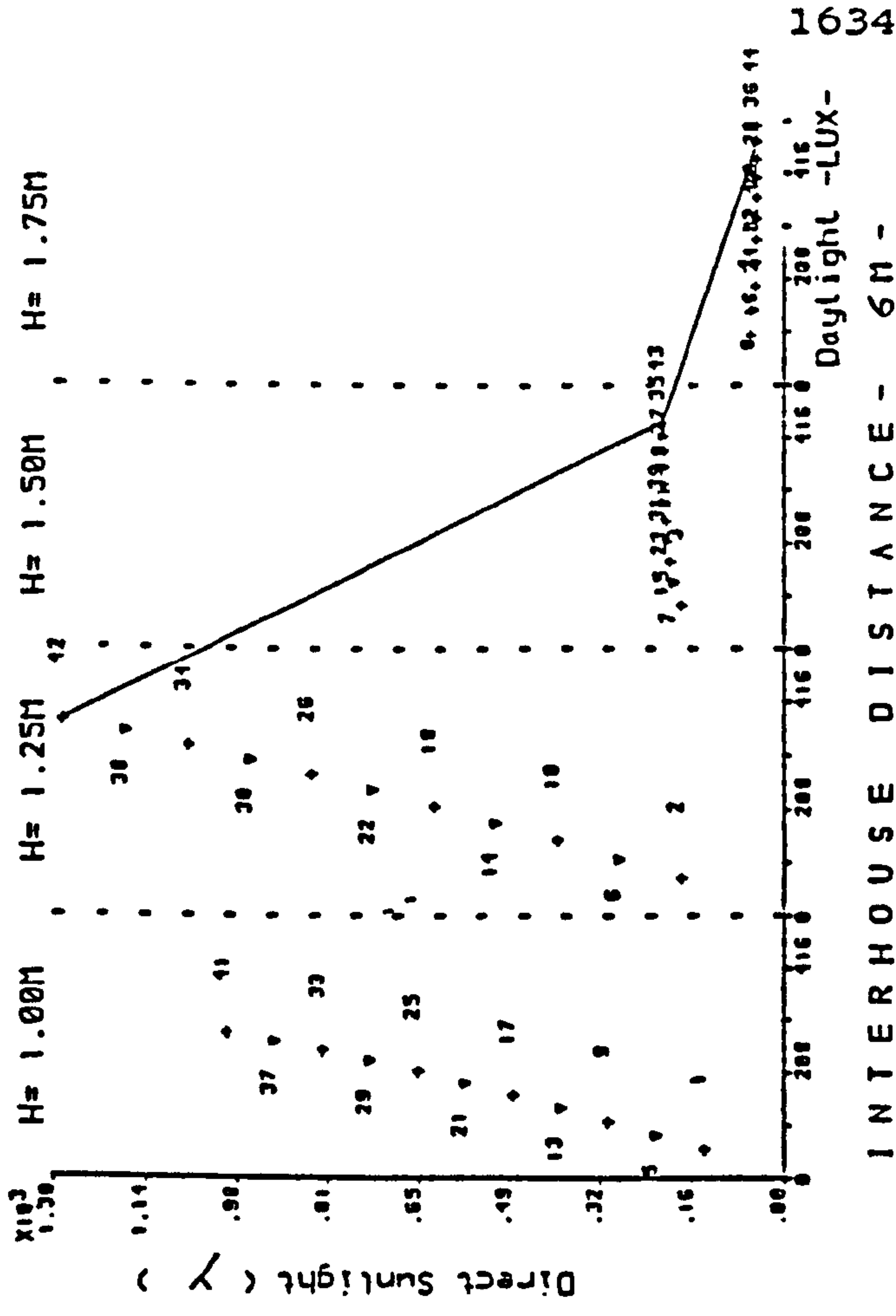
INTERHOUSE DISTANCE - 12M -



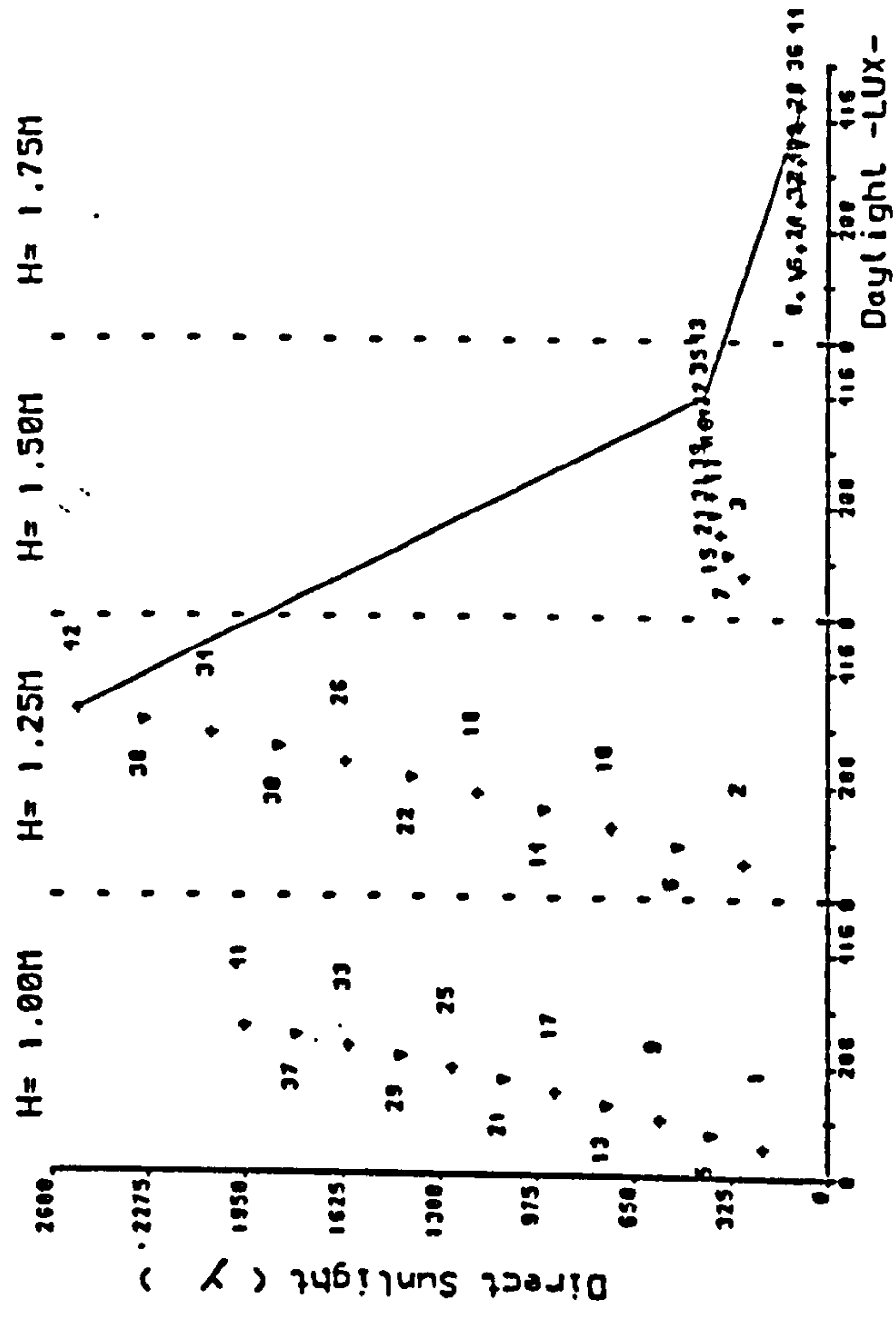
INTERHOUSE DISTANCE - 4M -



INTERHOUSE DISTANCE - 8M -

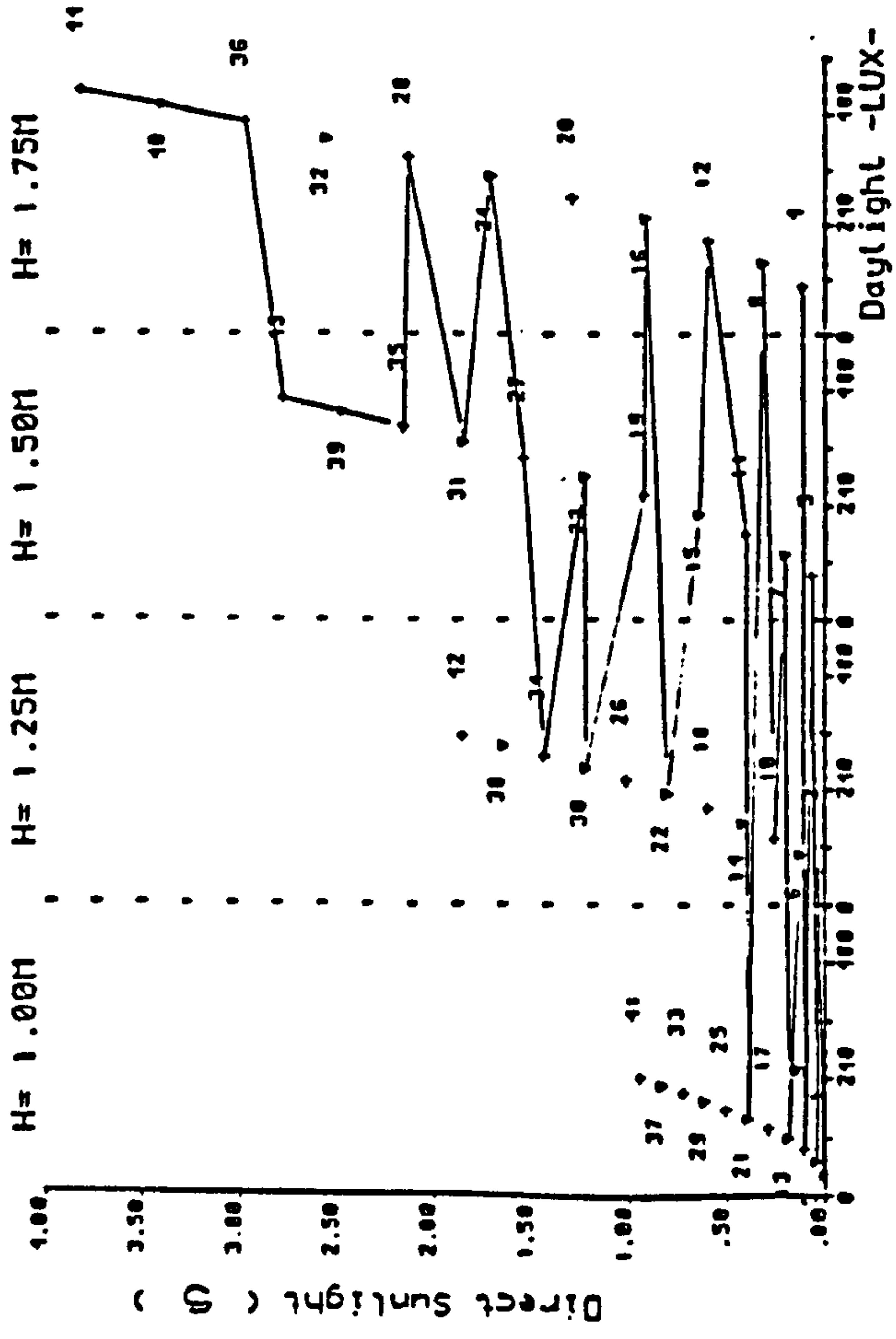


INTERHOUSE DISTANCE - 6M -

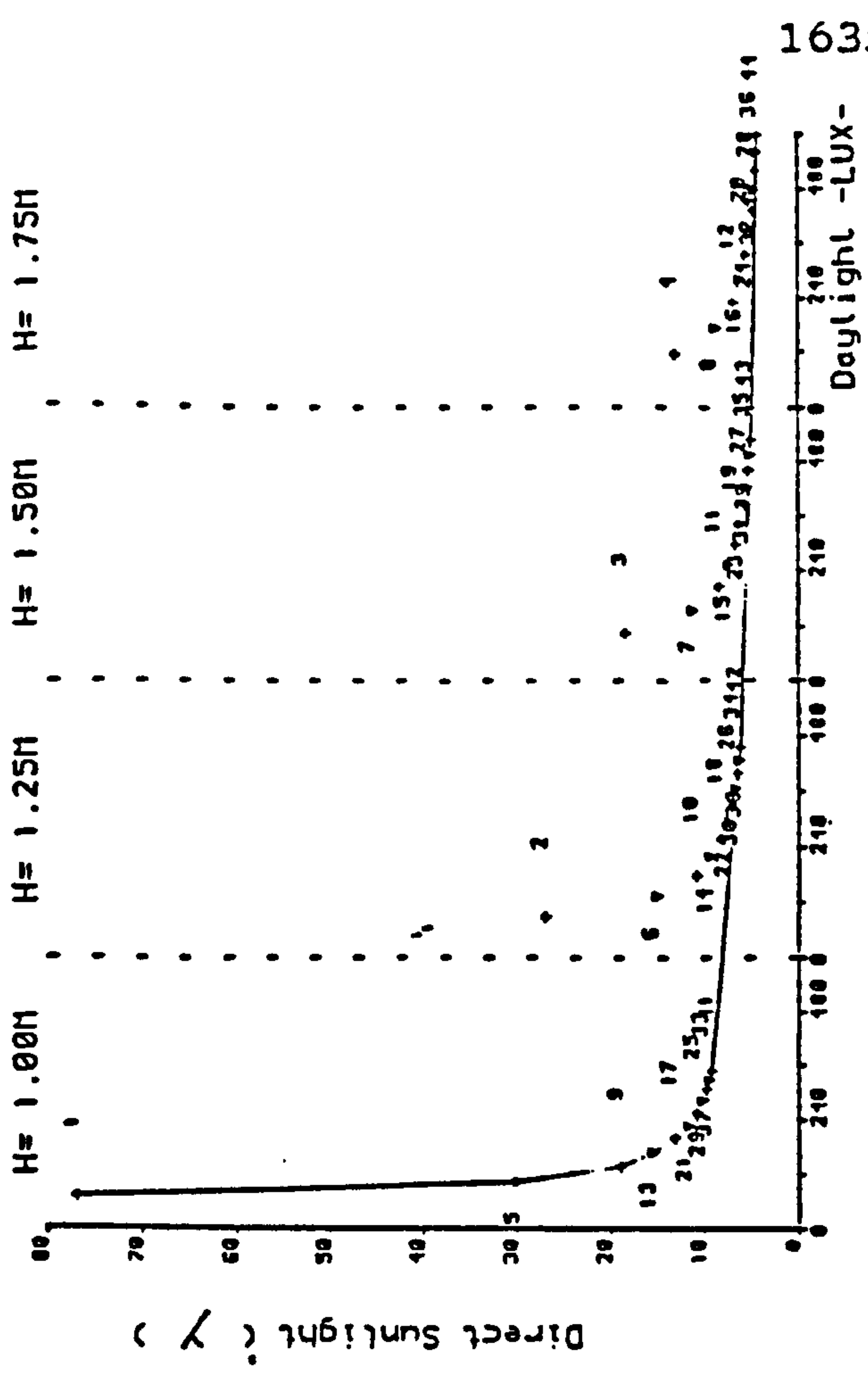


INTERHOUSE DISTANCE - 12M -

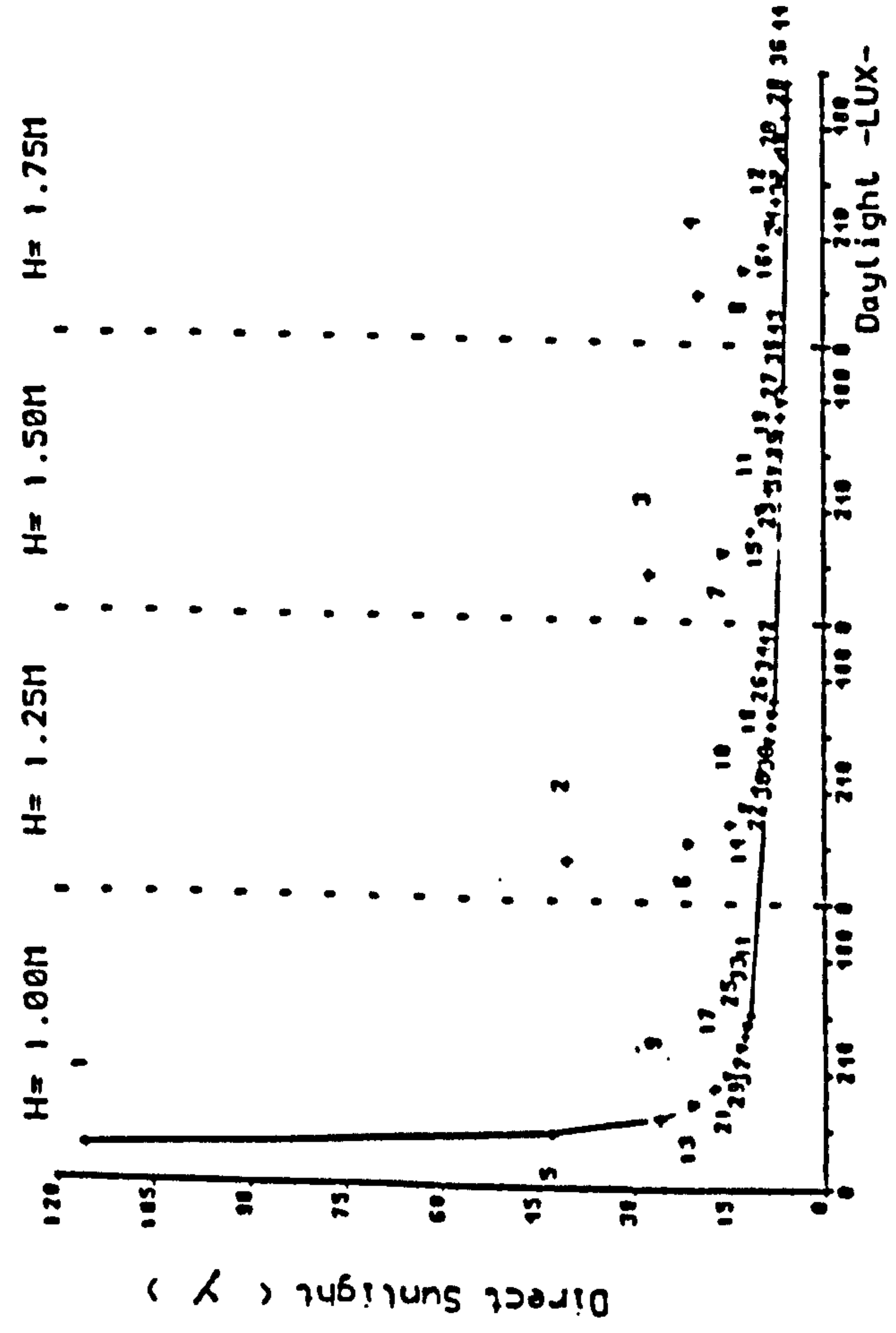




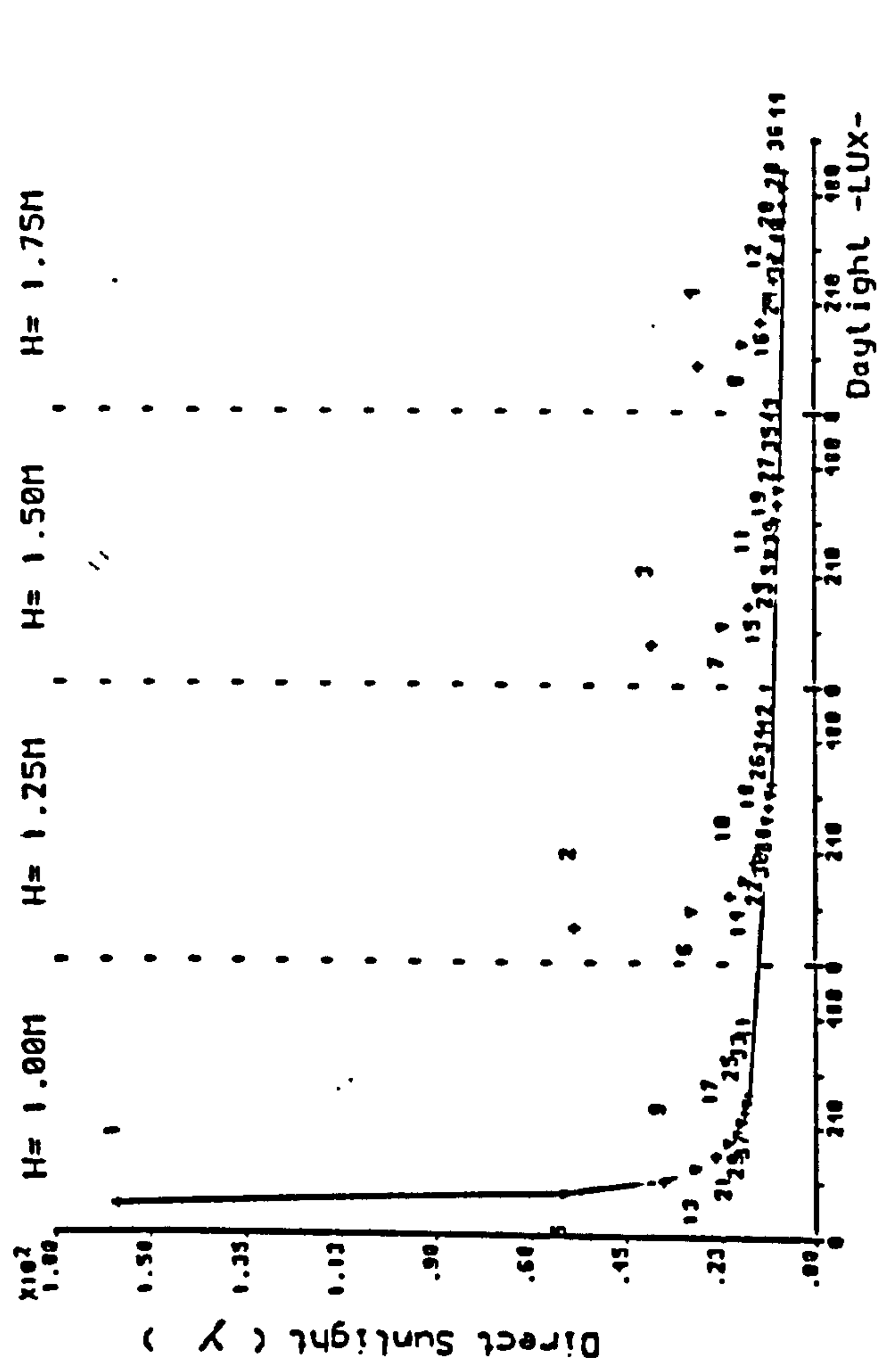
INTERHOUSE DISTANCE - 4M -



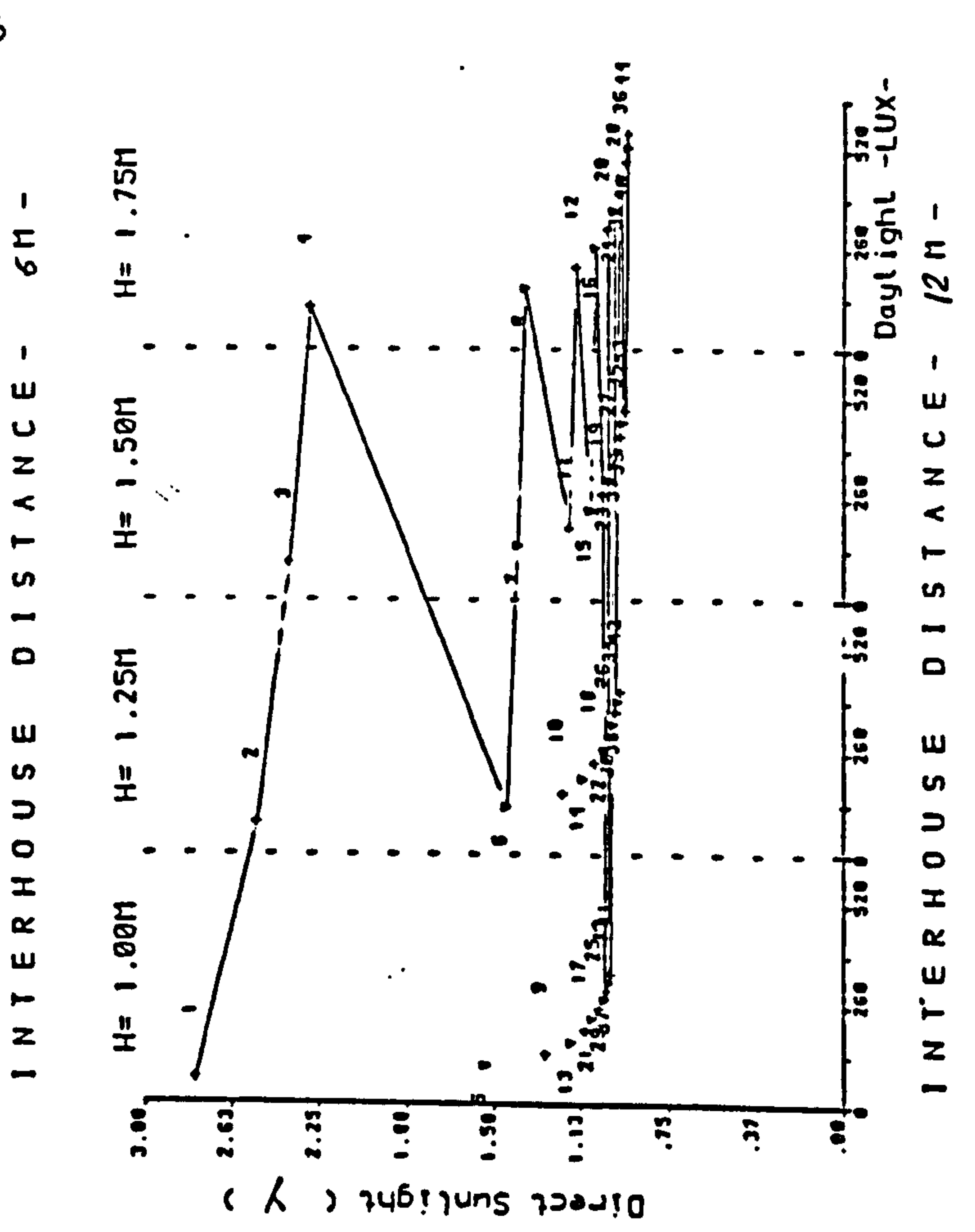
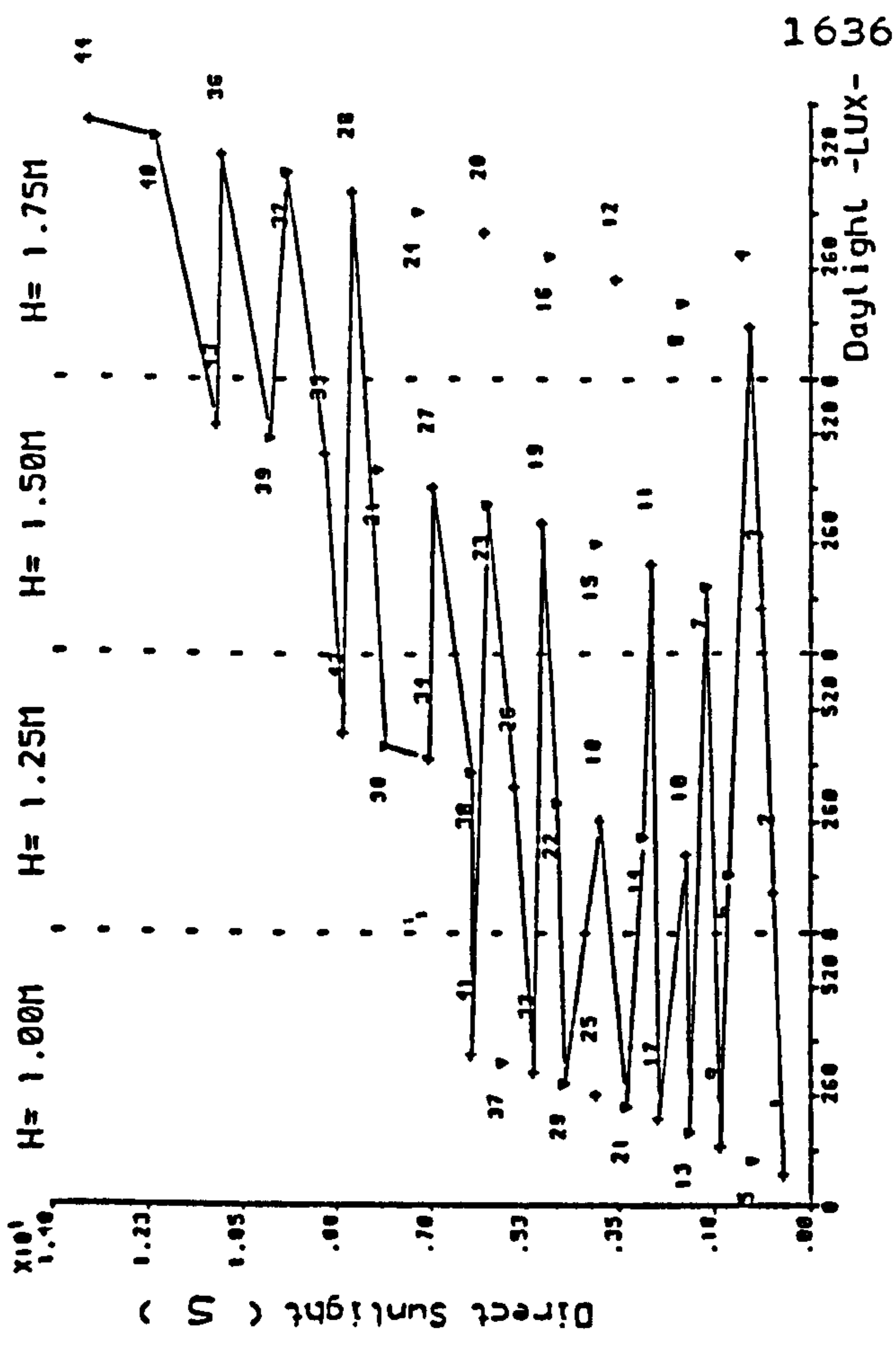
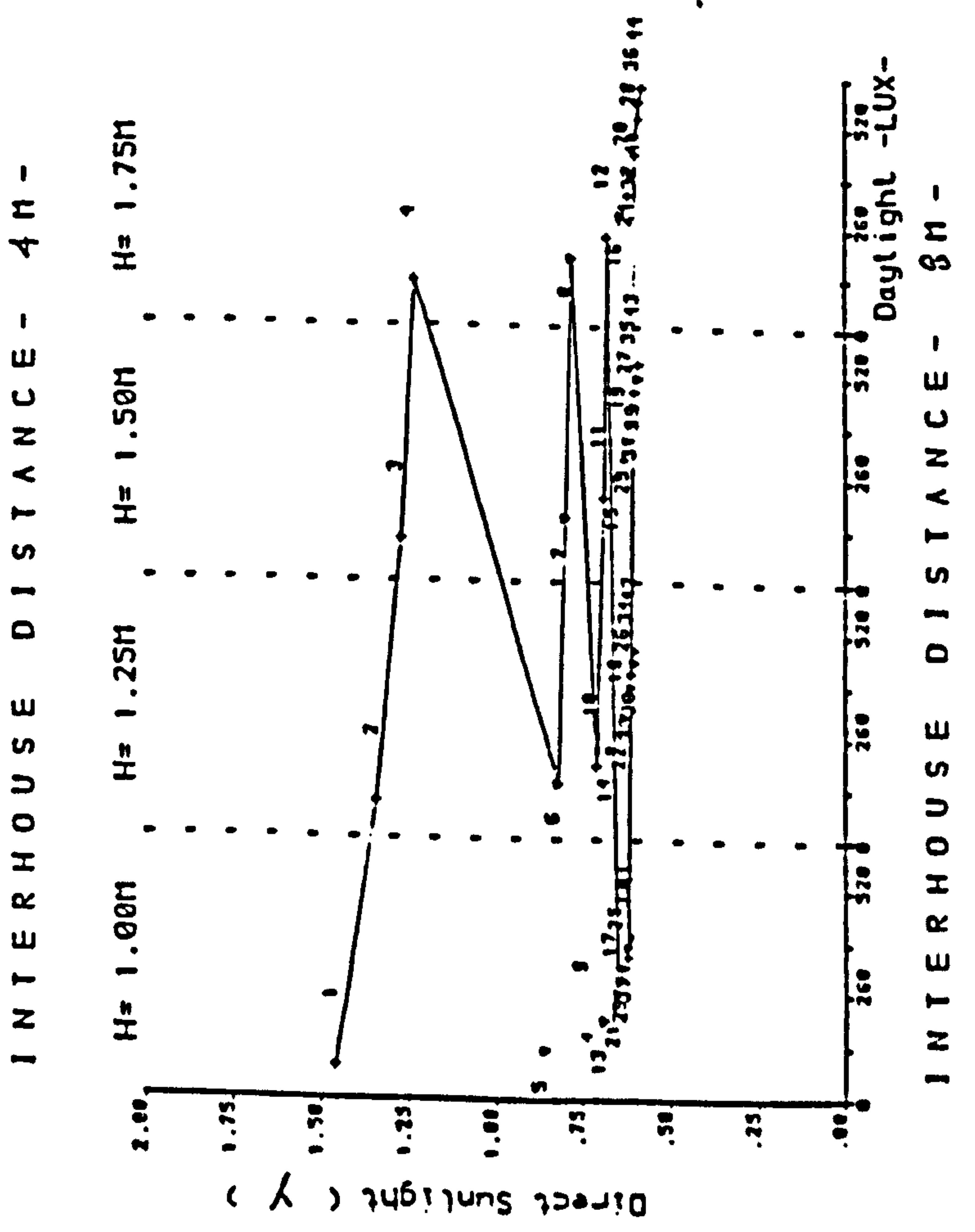
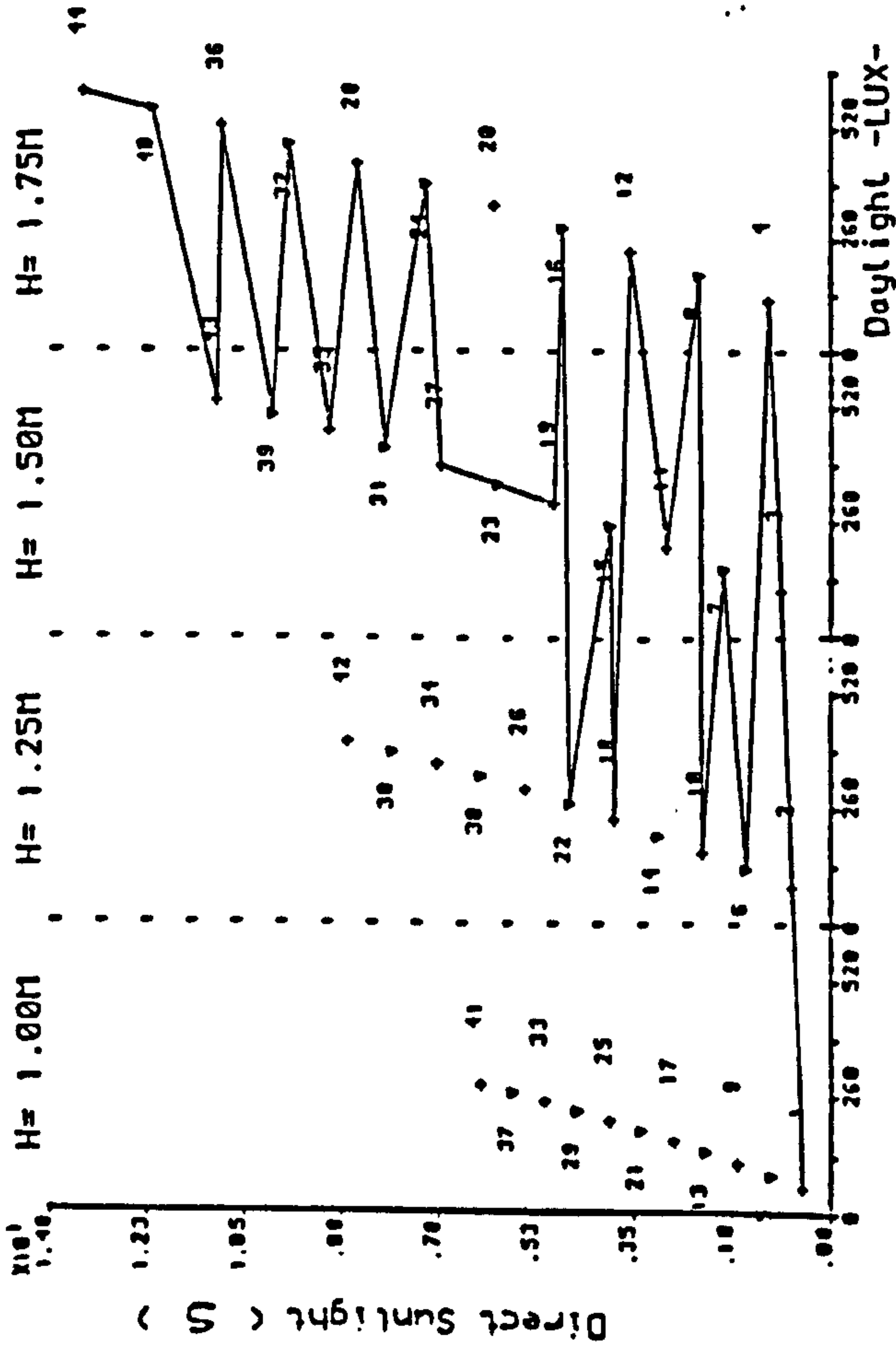
INTERHOUSE DISTANCE - 6M -

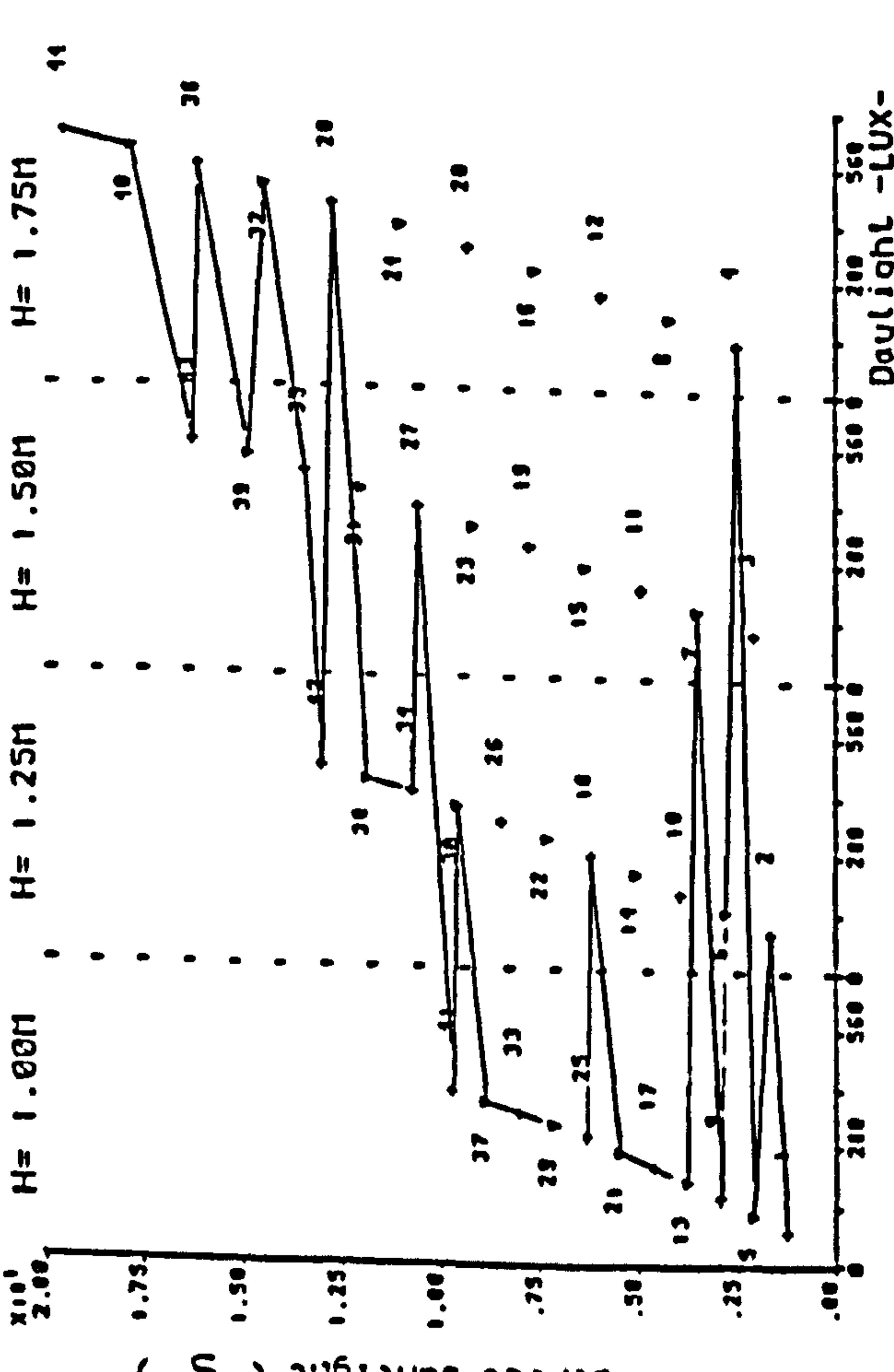
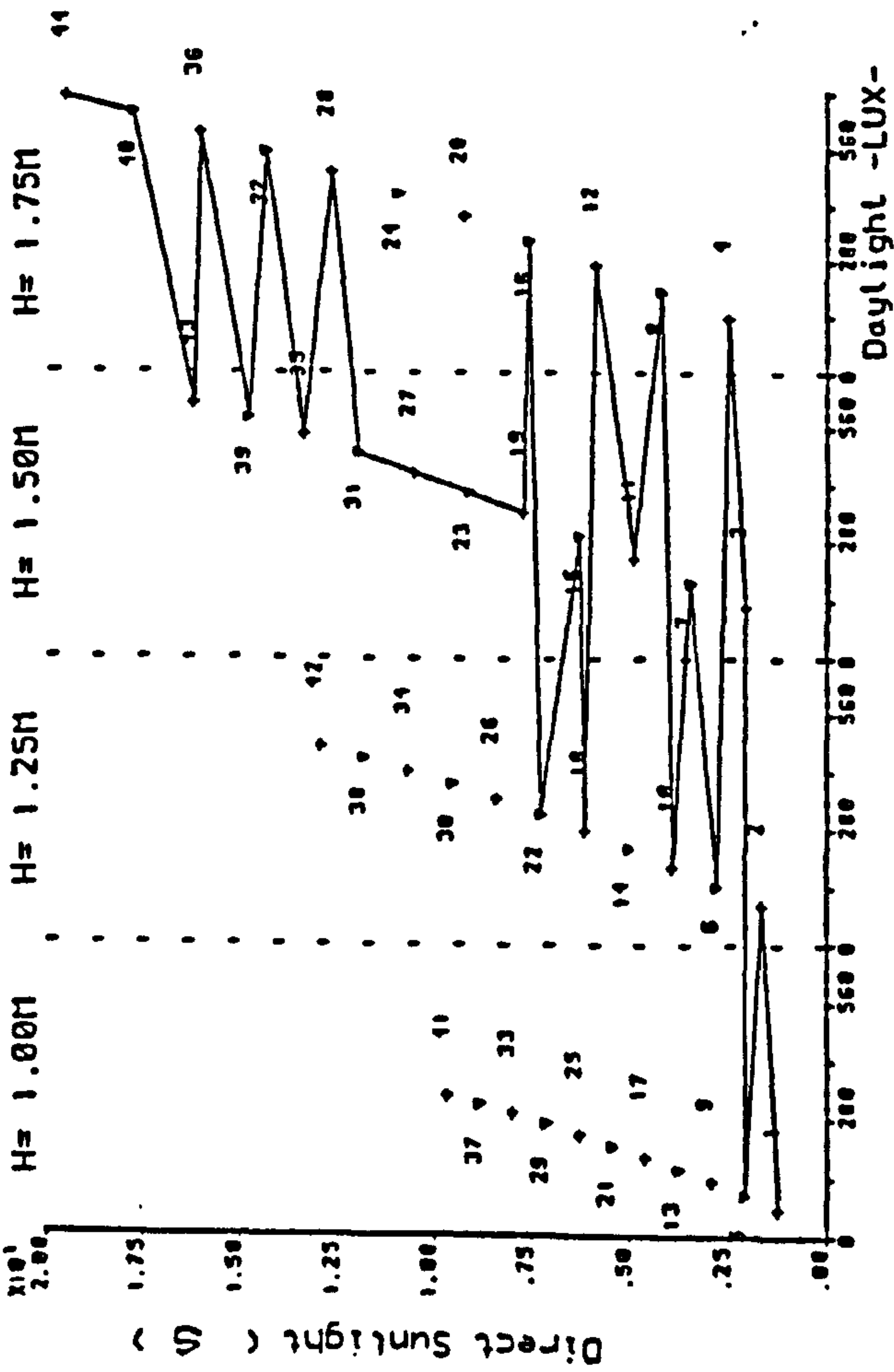
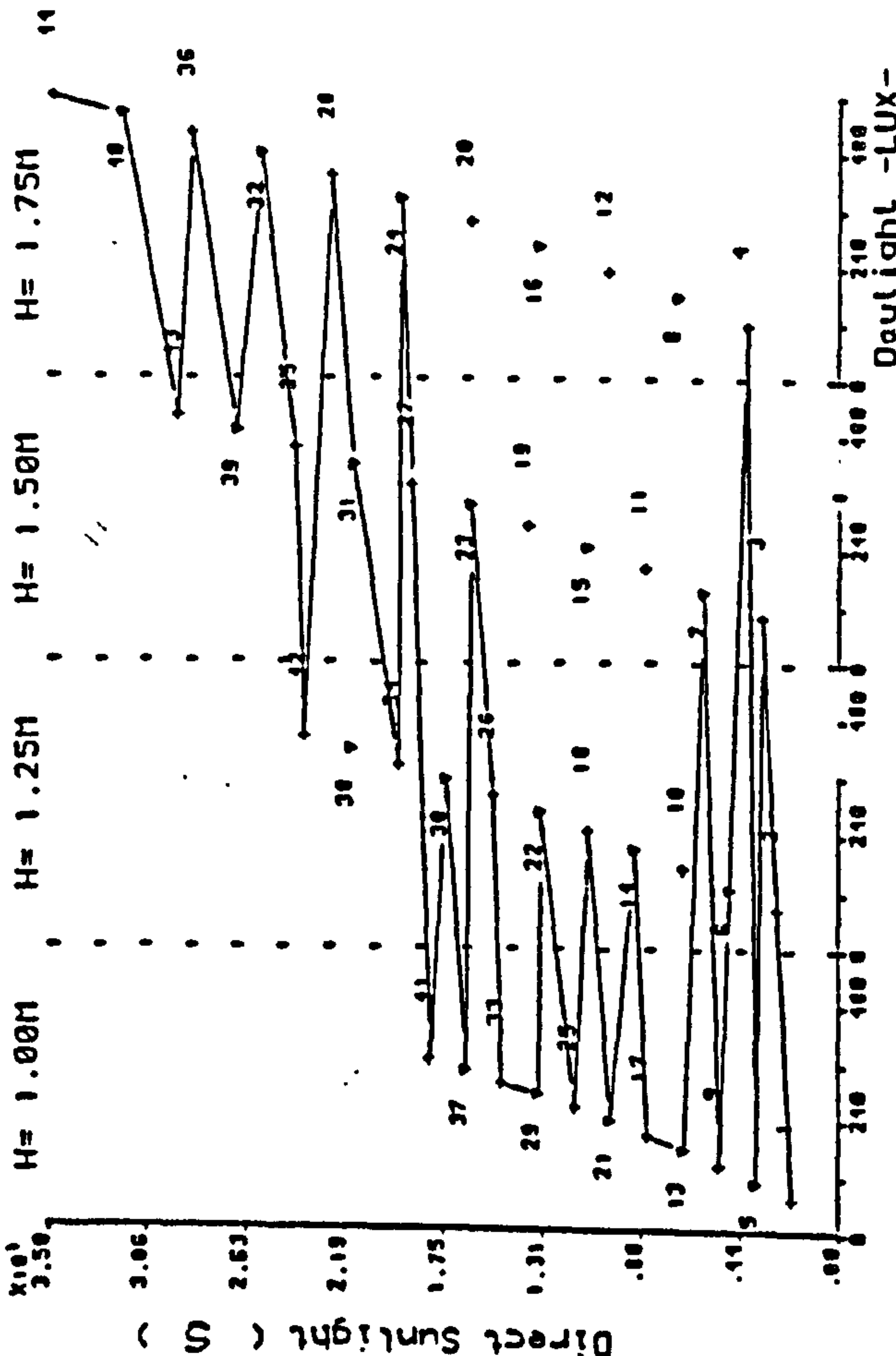
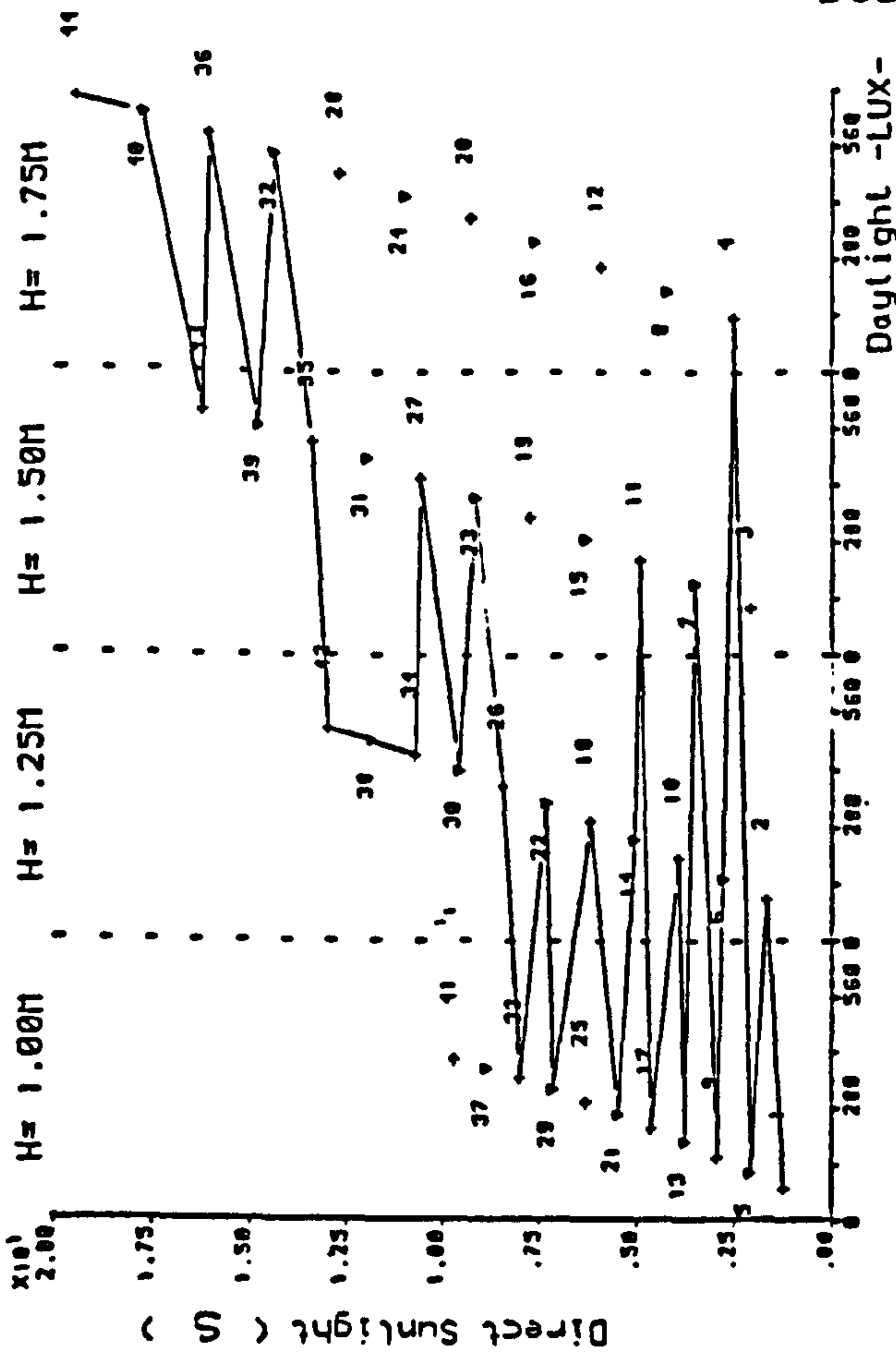


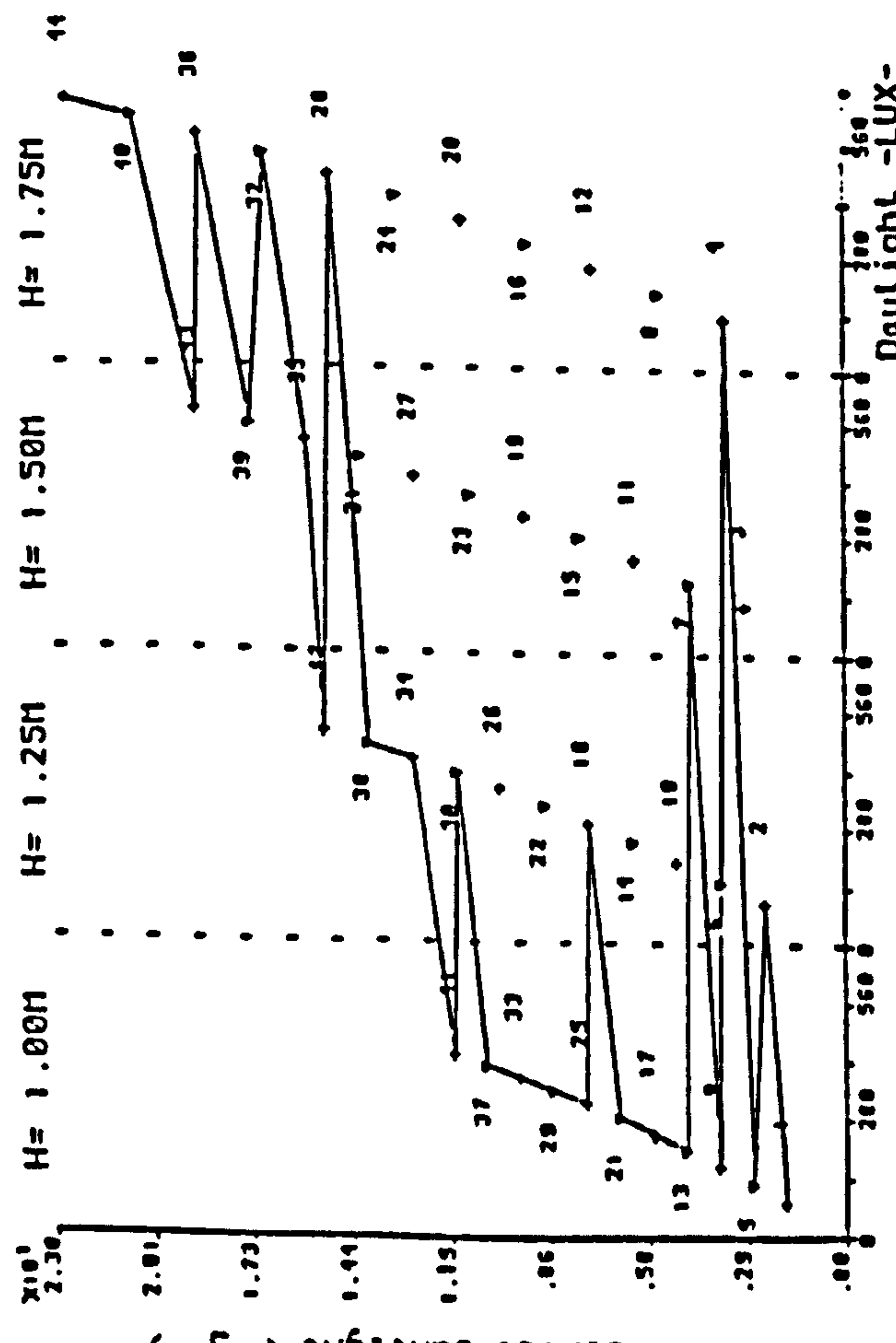
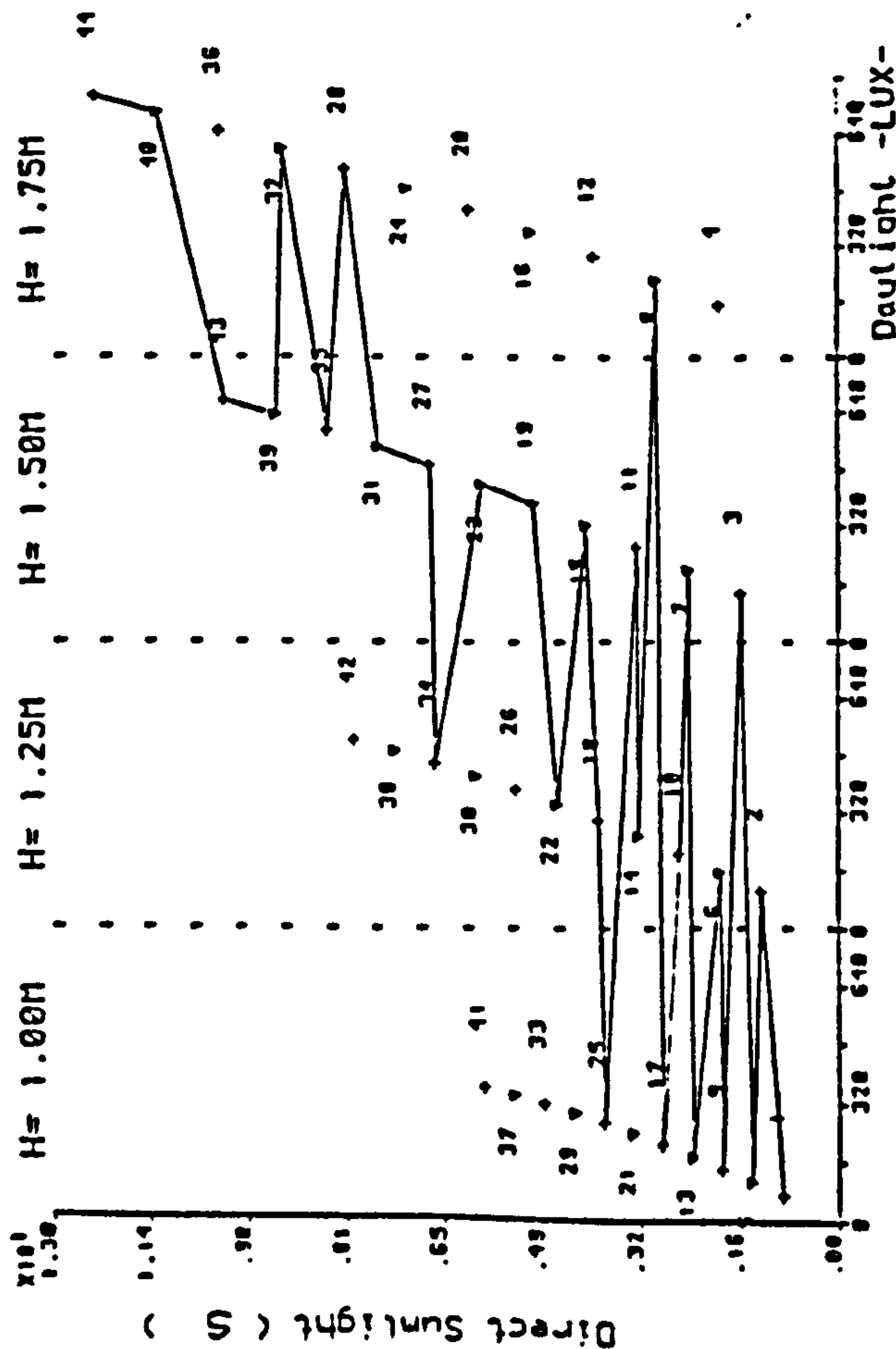
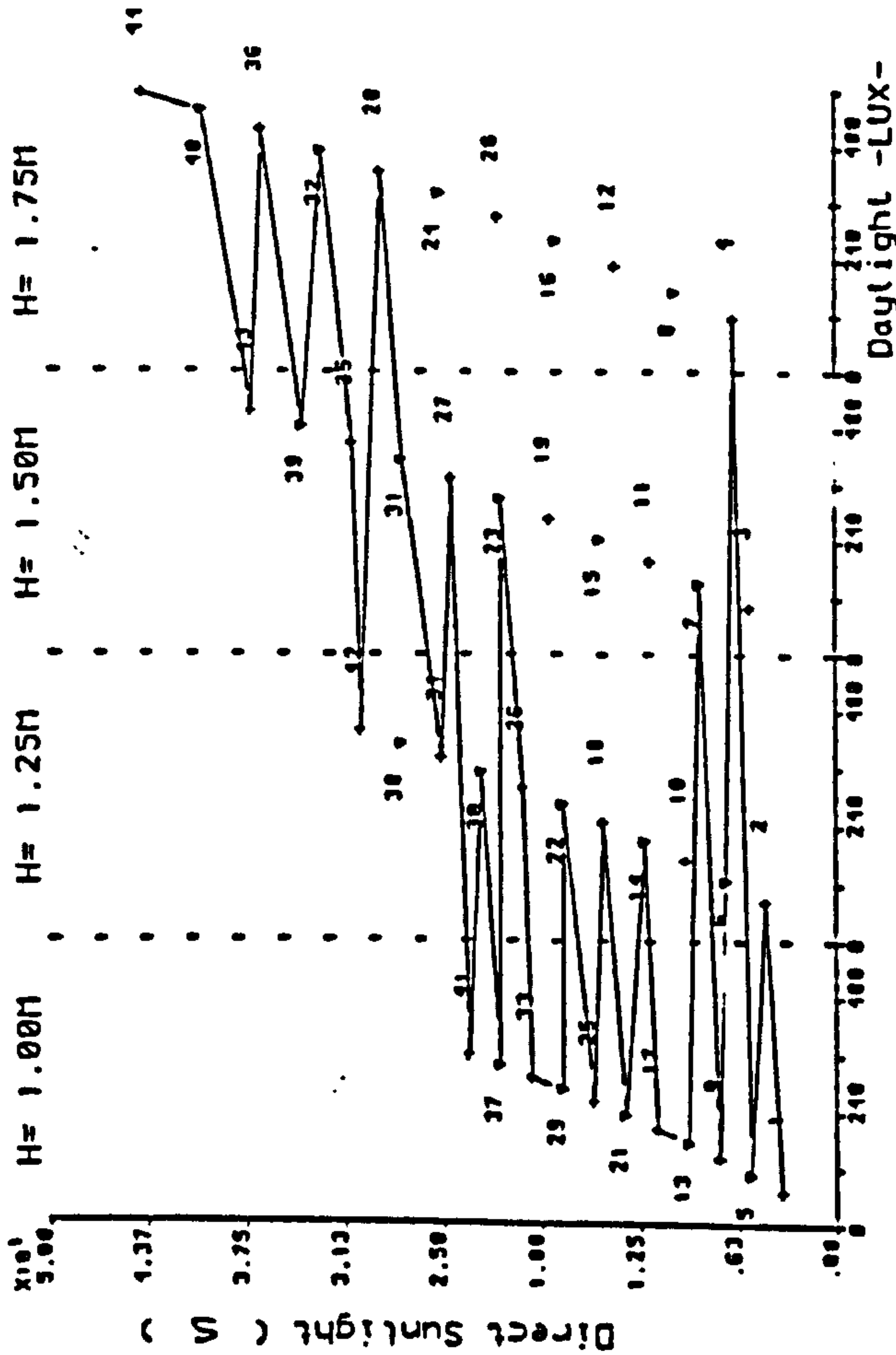
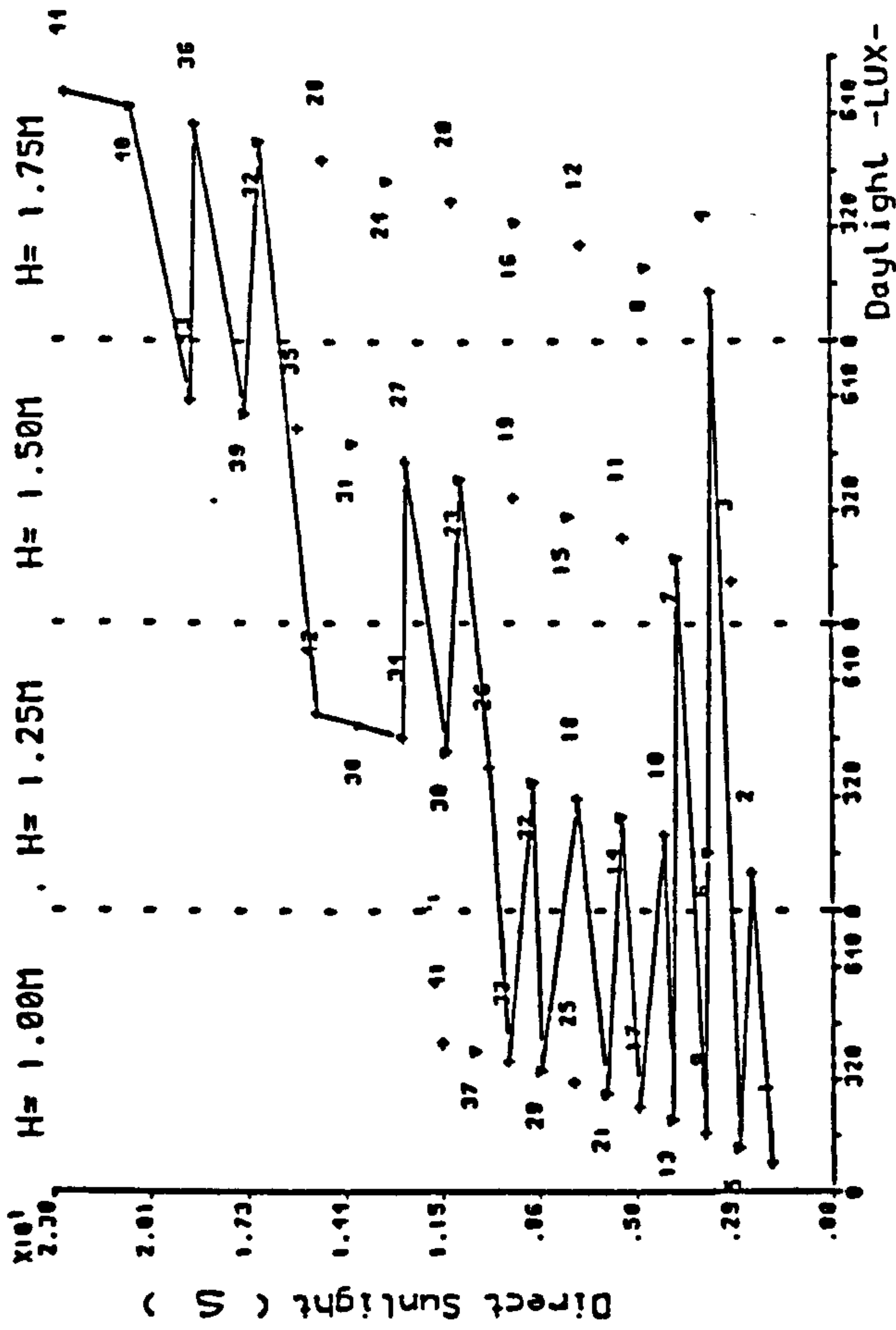
INTERHOUSE DISTANCE - 8M -



INTERHOUSE DISTANCE - 12M -

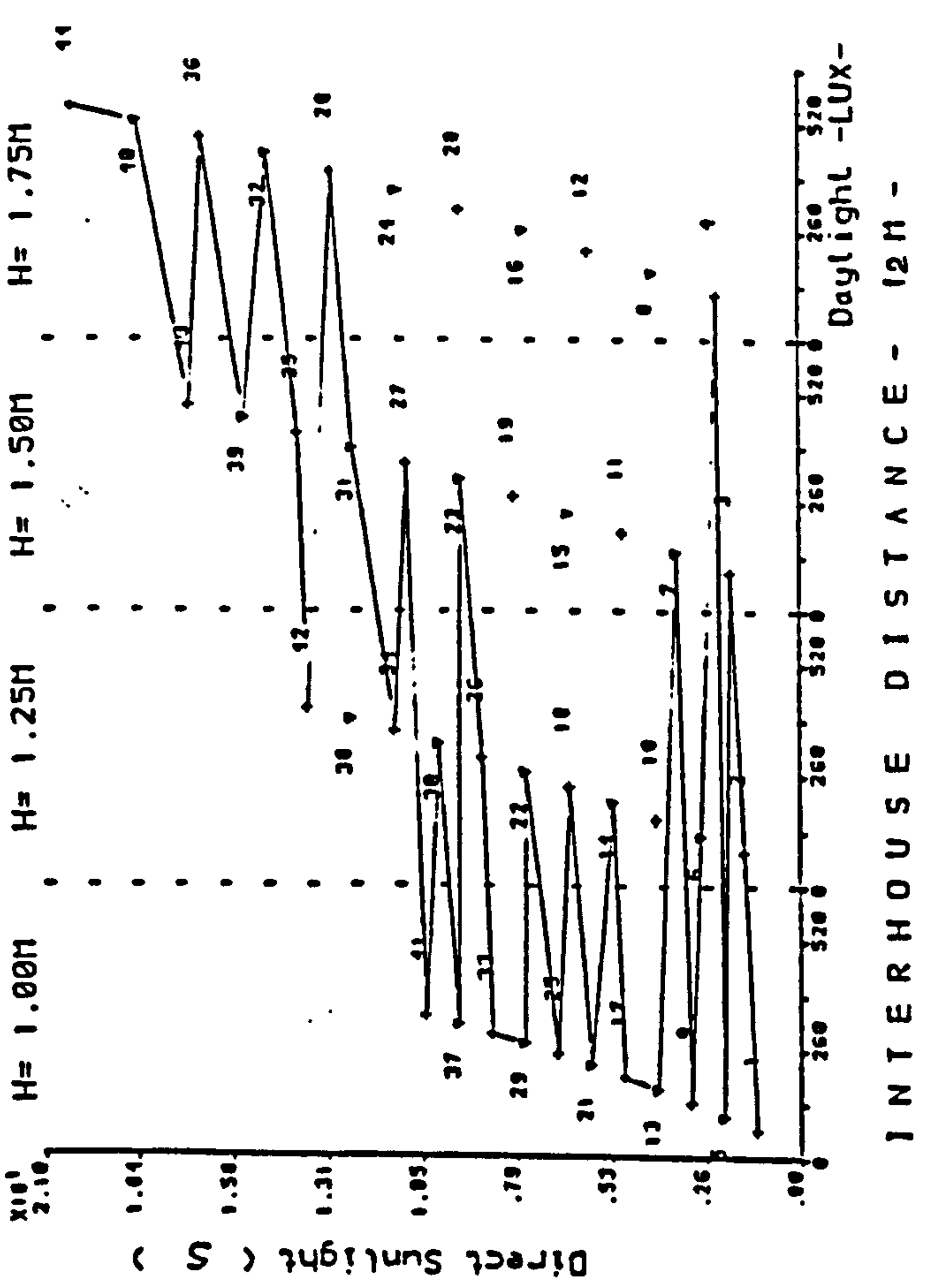
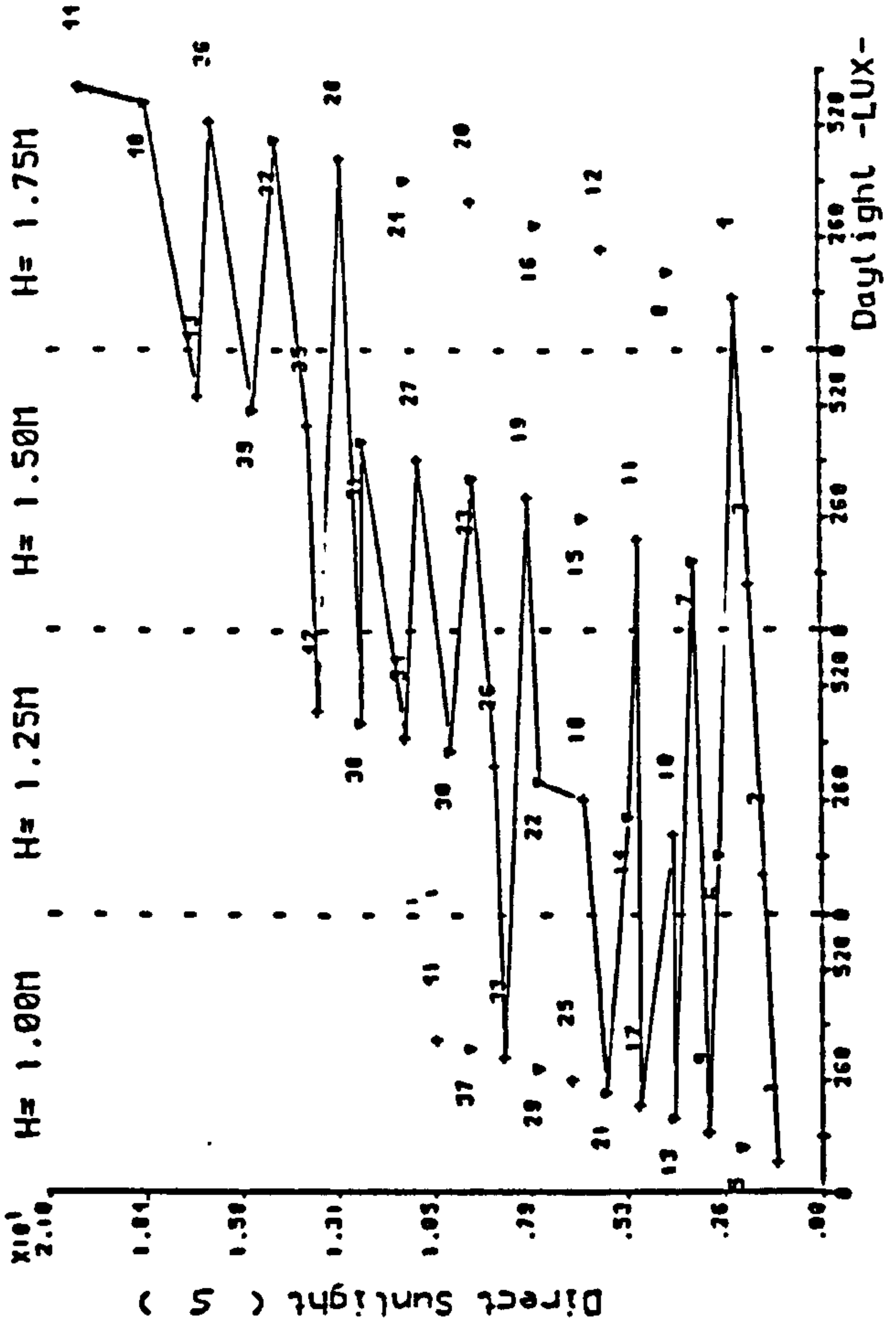
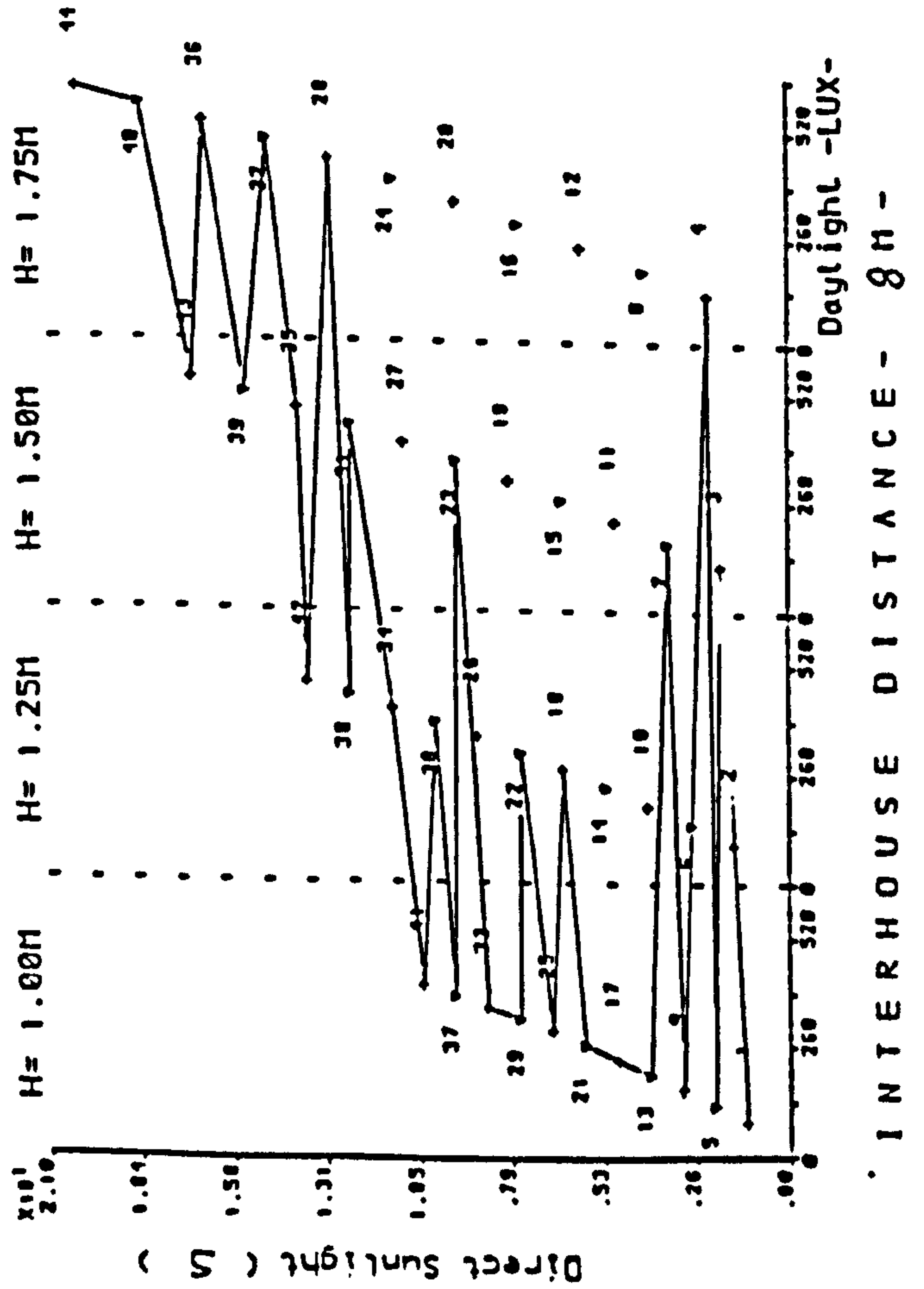
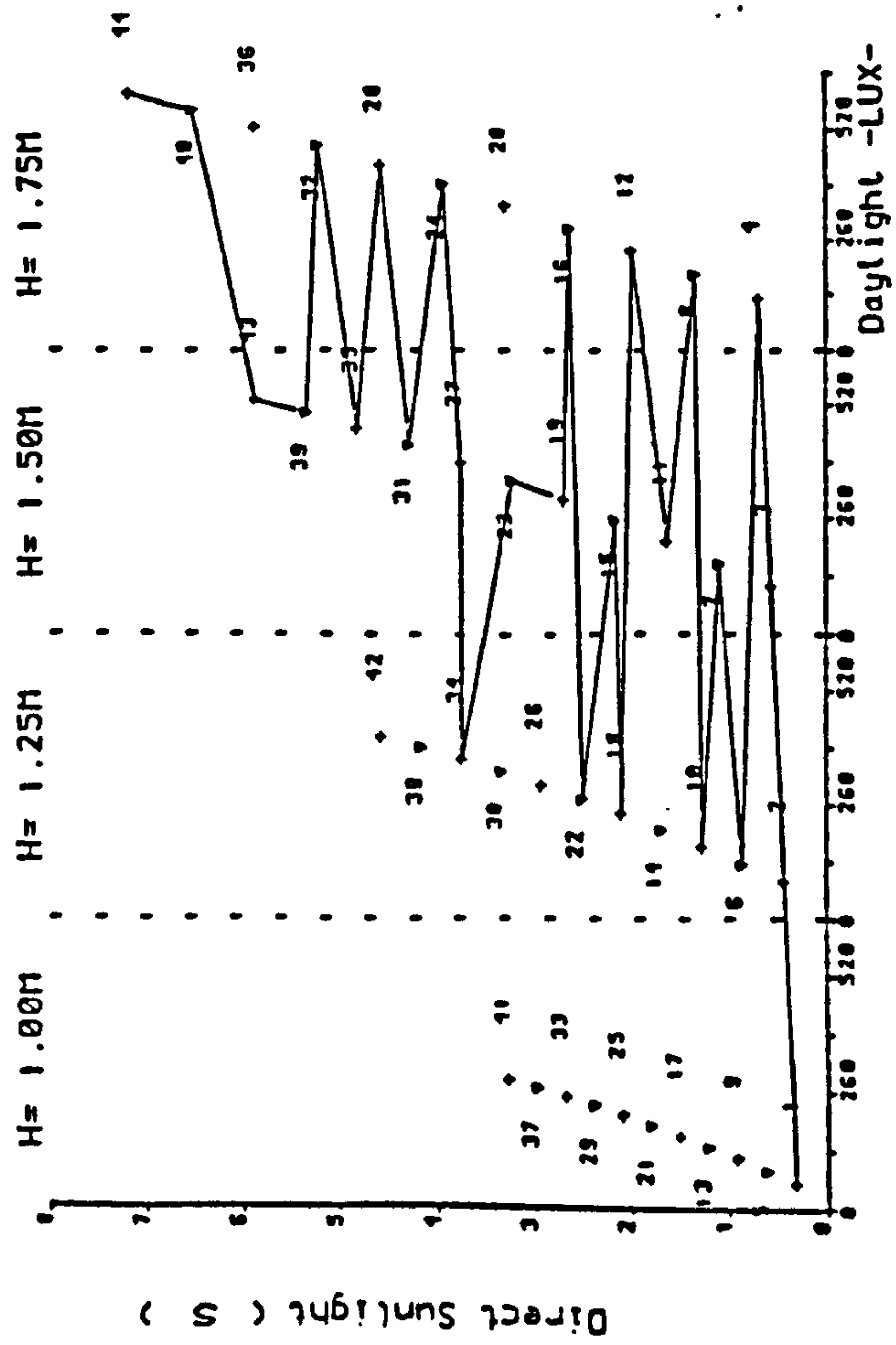




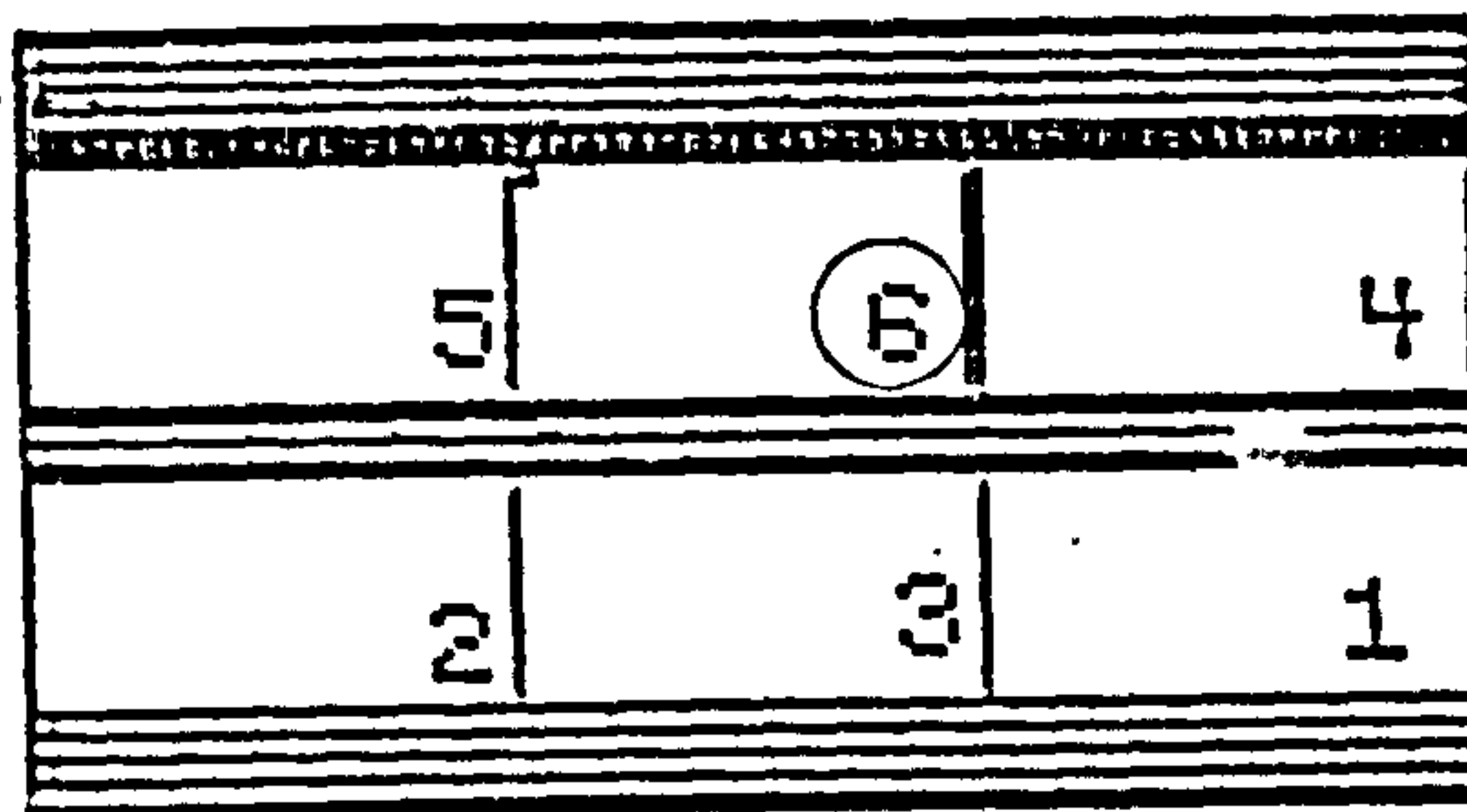












Key diagram showing the location of window data .



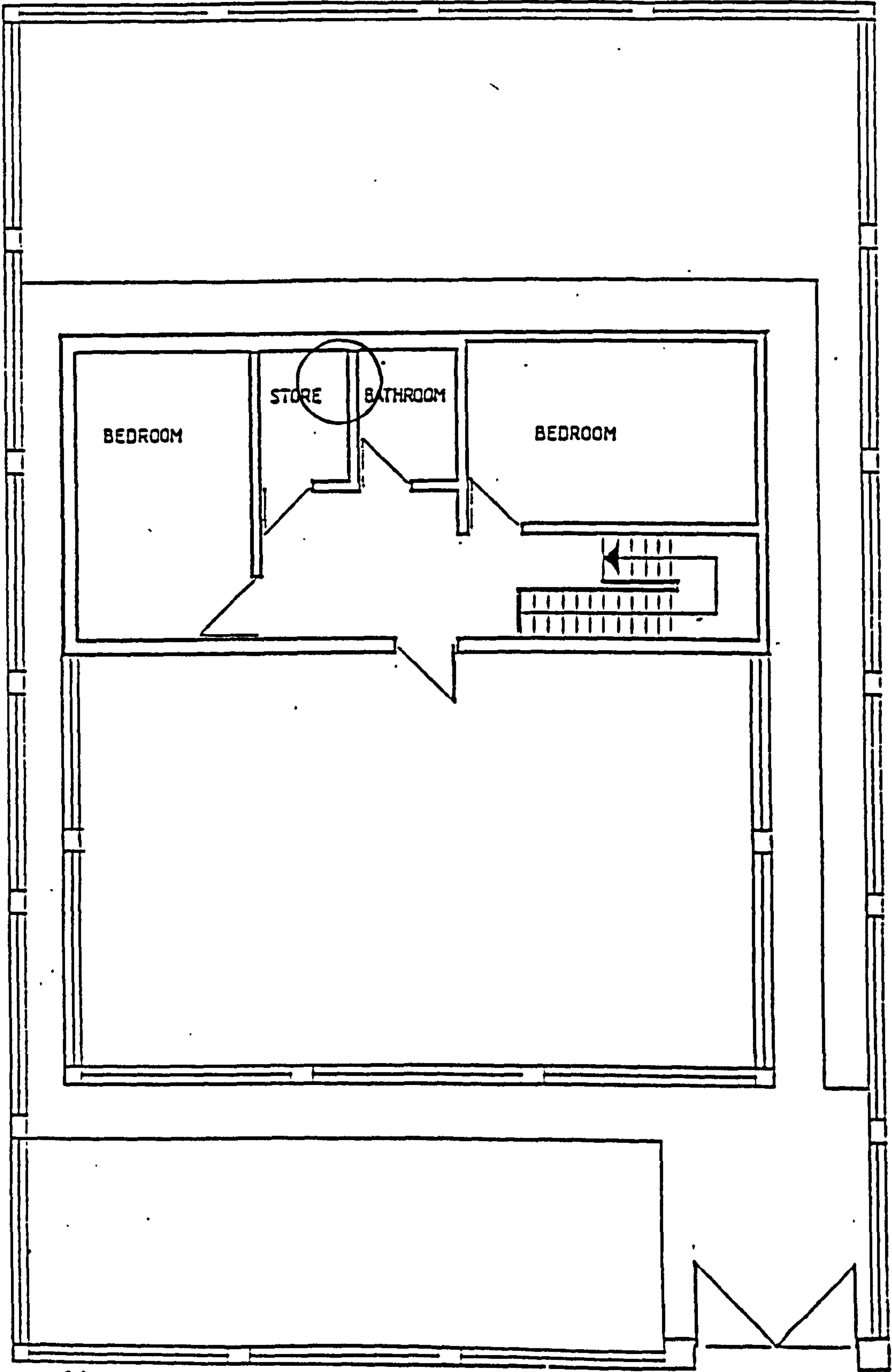
Back Wall  
2 Storey

Interhouse Distance

4, 6, 8 and 12m.

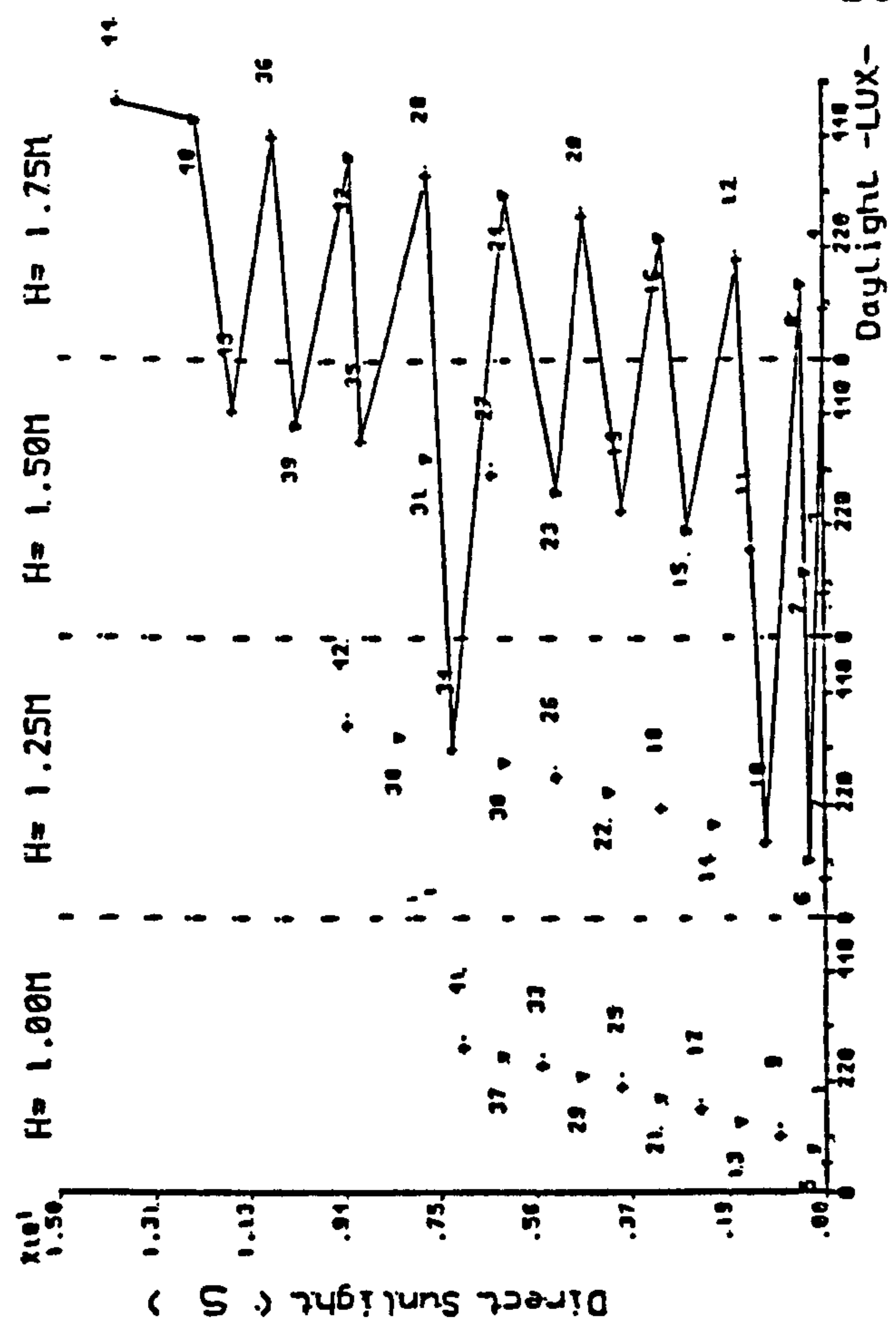
ORIENTATION	PAGE NO.
0.0	1644
22.5	1645
45	1646
67.5	1647
90	1648
112.5	1649
135	1650
157.5	1651
180	1652
202.5	1653
225	1654
247.5	1655
270	1656
292.5	1657
315	1658
337.5	1659



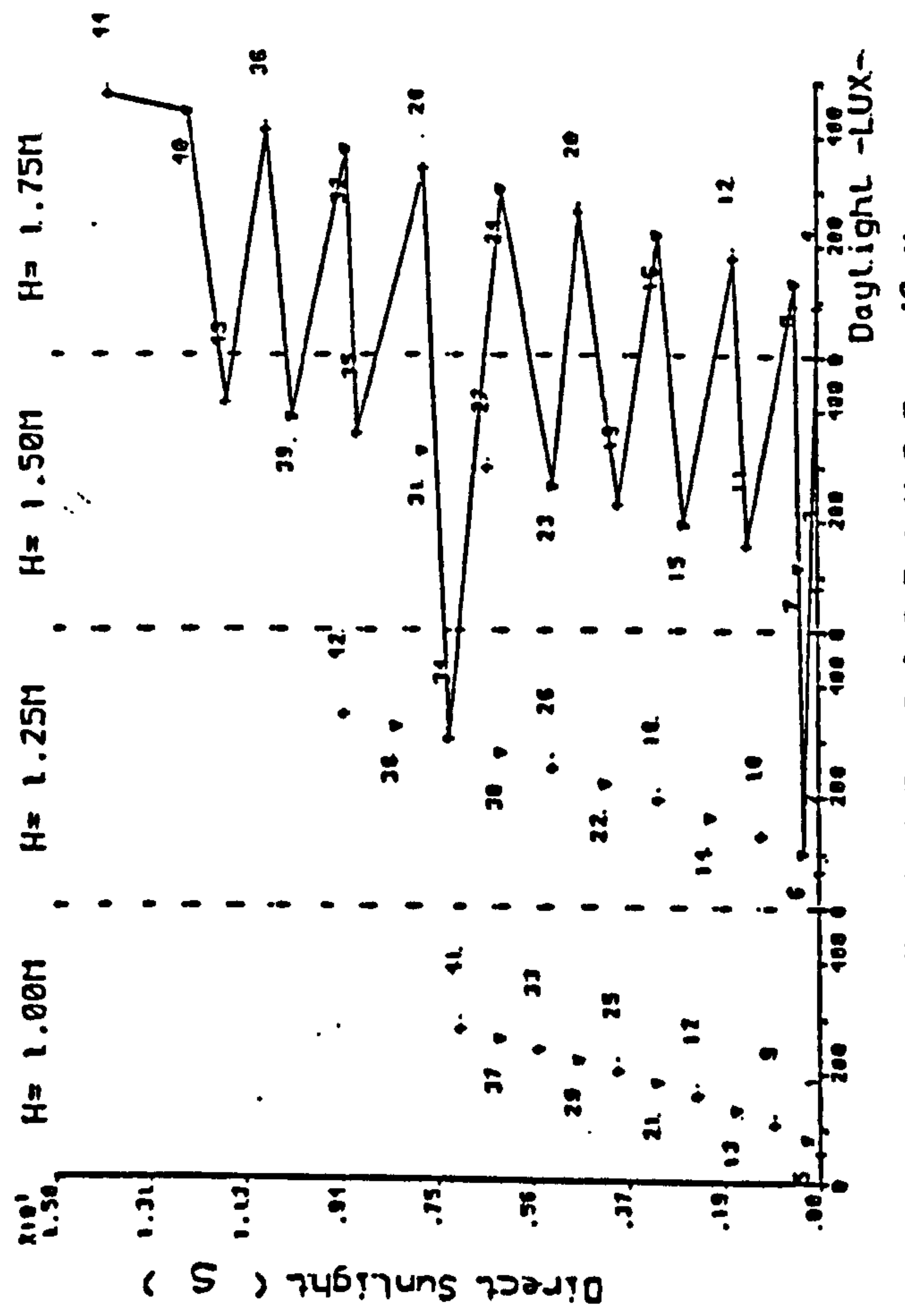


0.0 5m

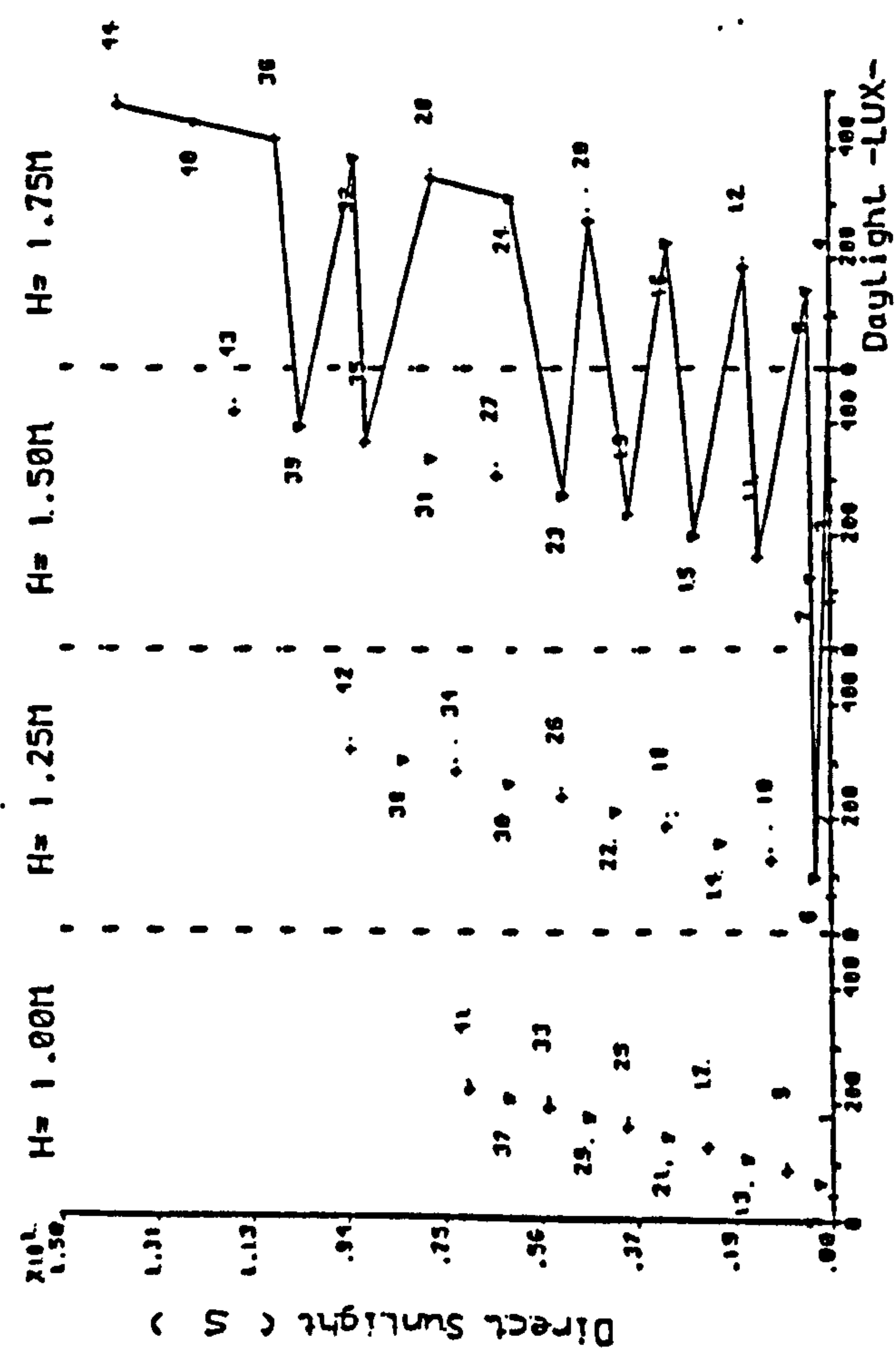
FIRST FLOOR PLAN



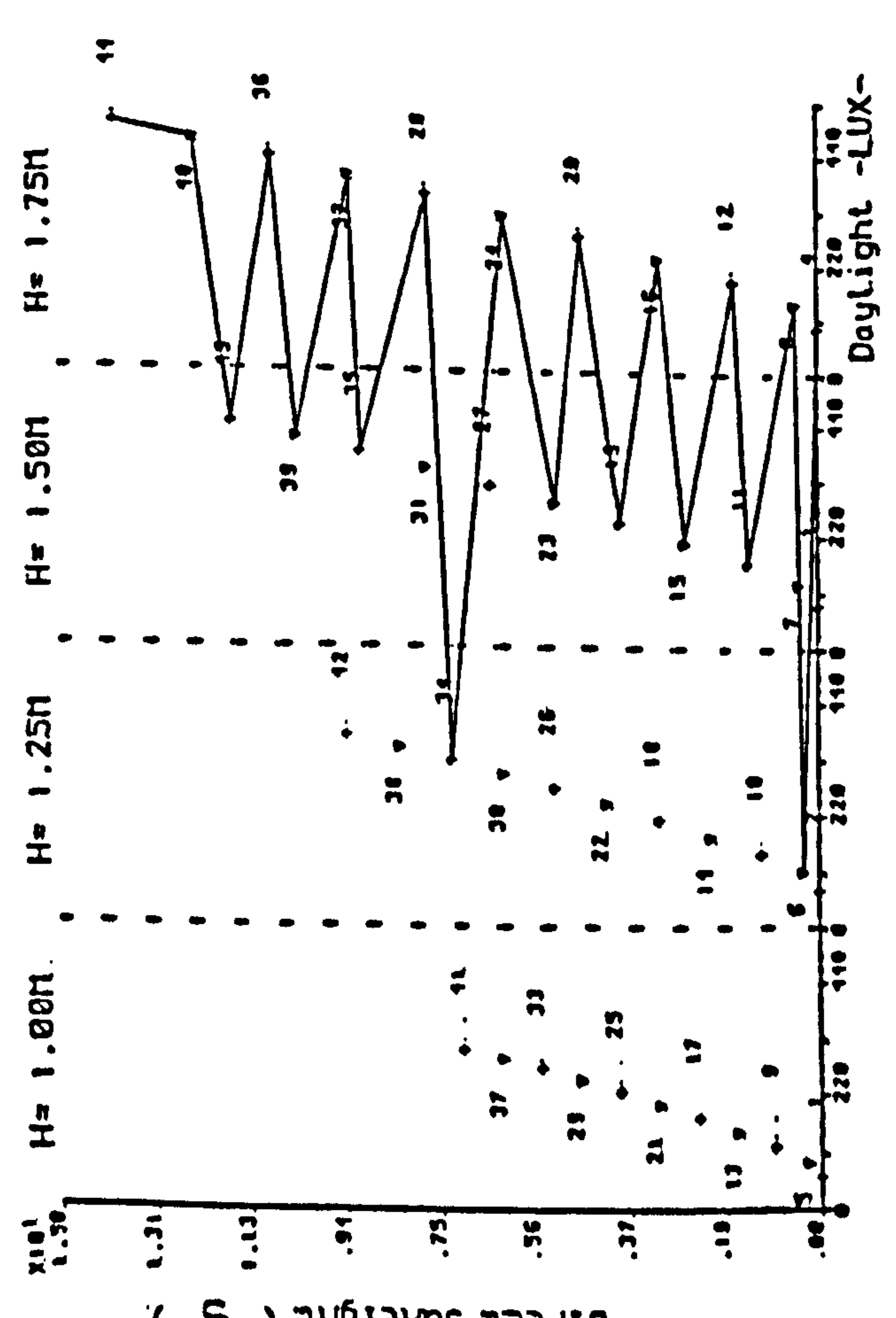
INTERHOUSE DISTANCE - 6 M -



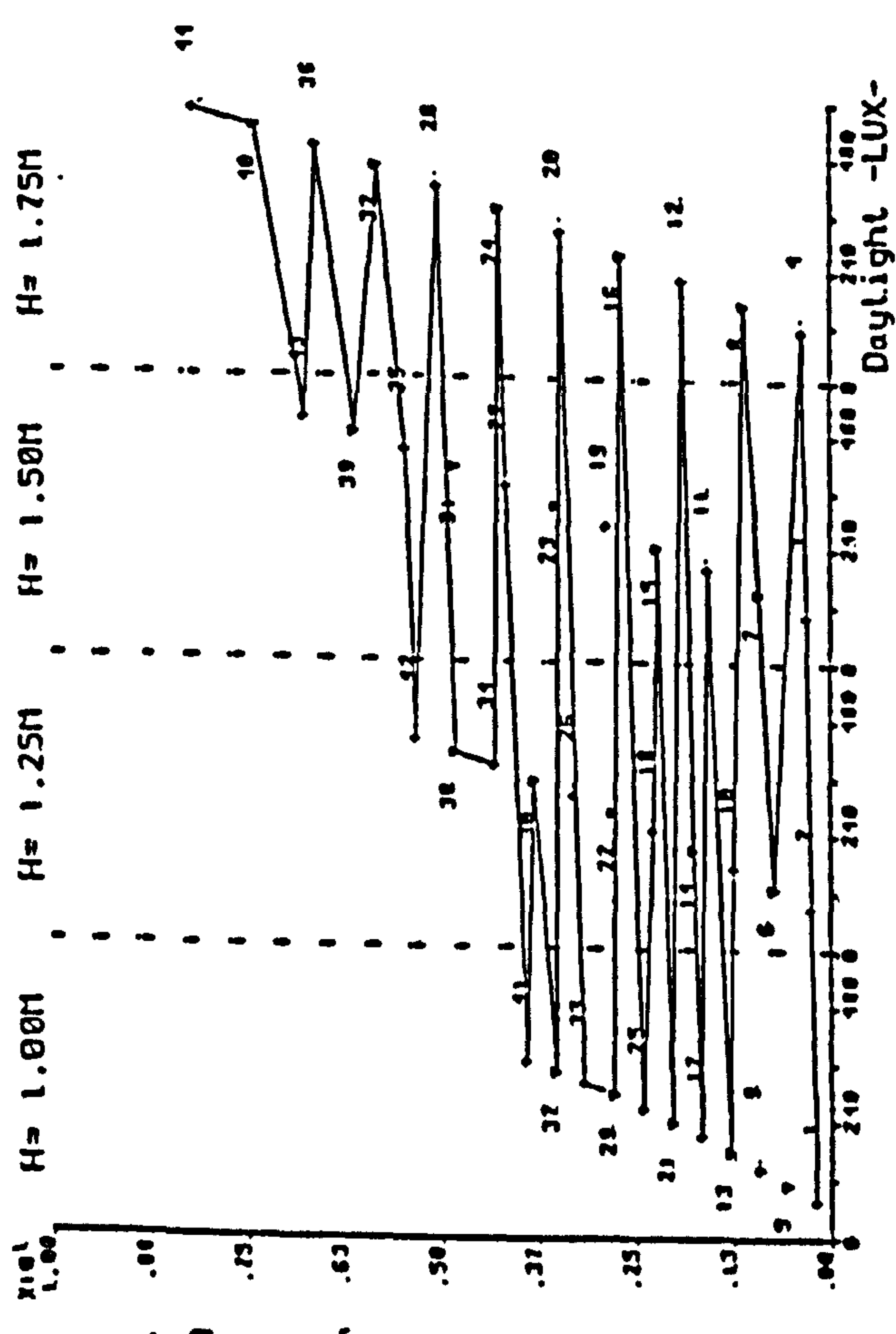
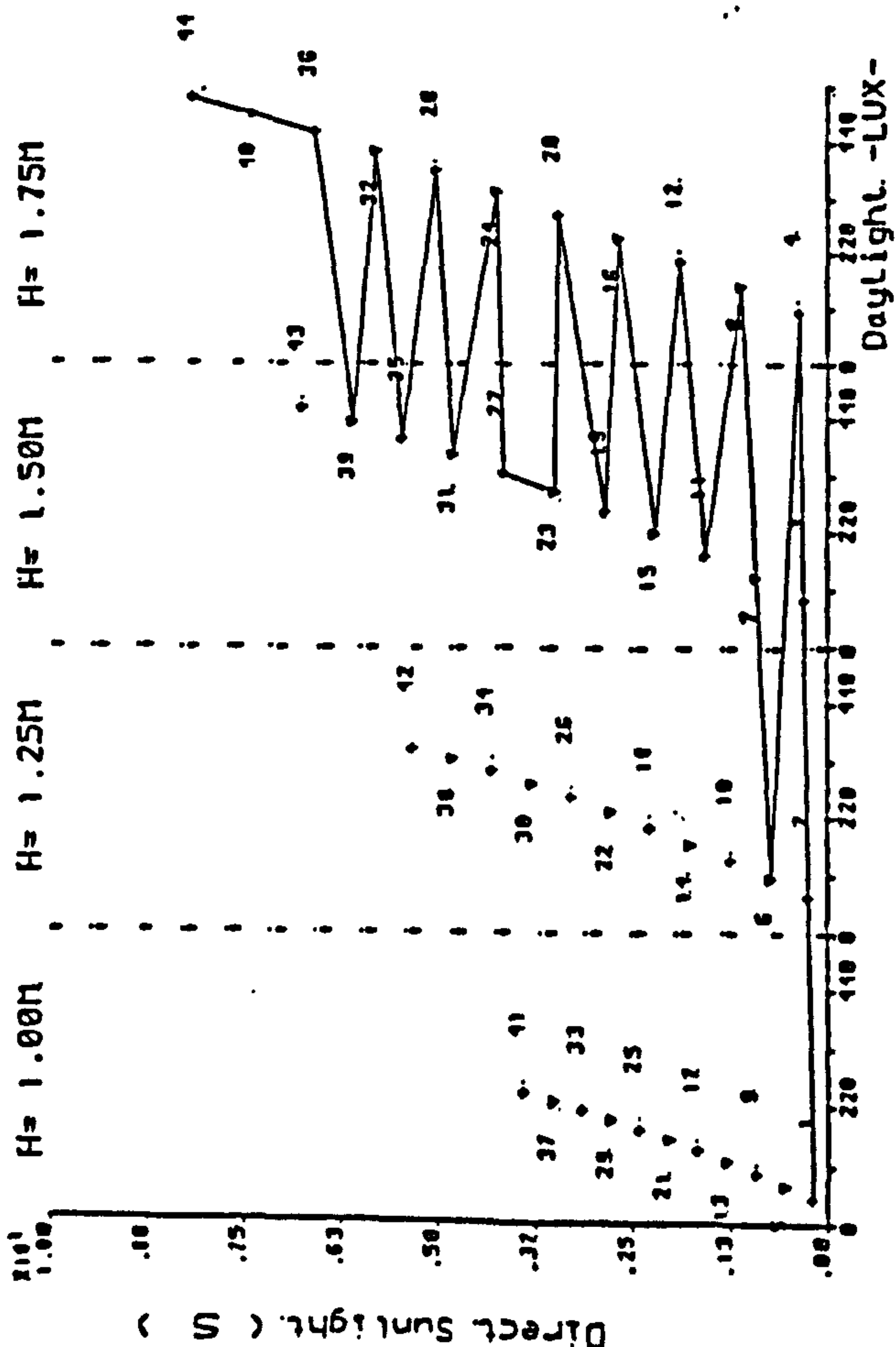
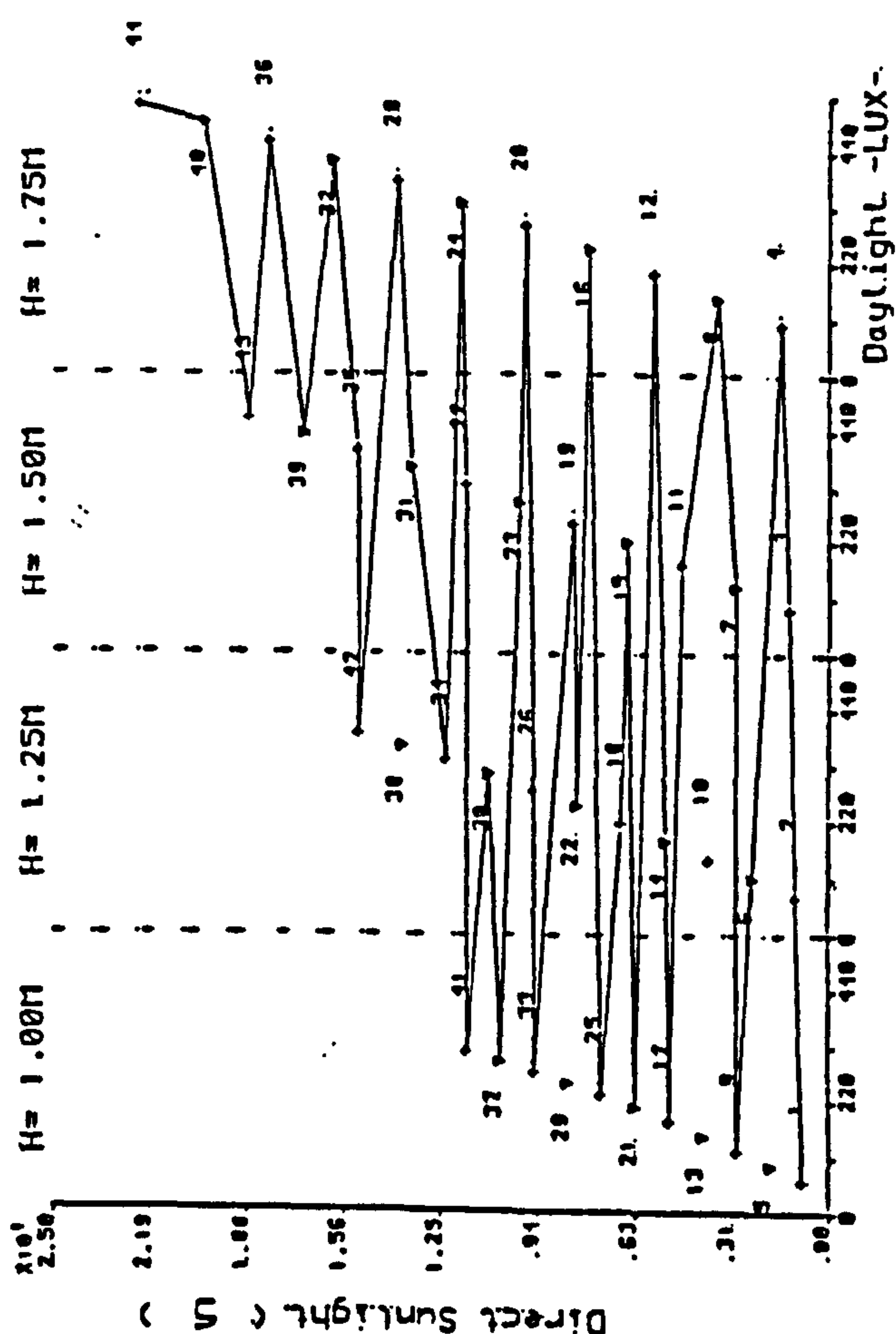
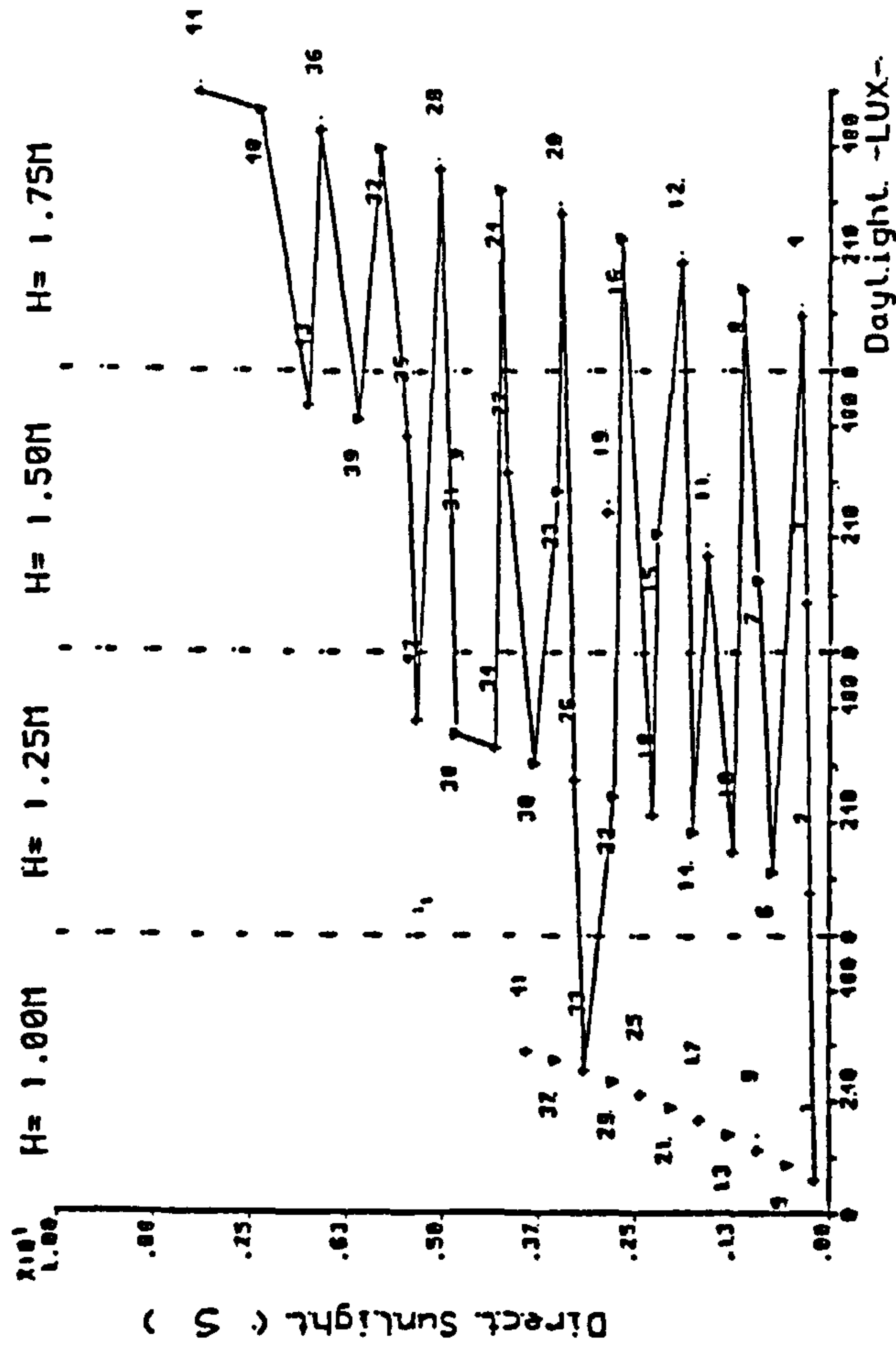
INTERHOUSE DISTANCE - 12 M -

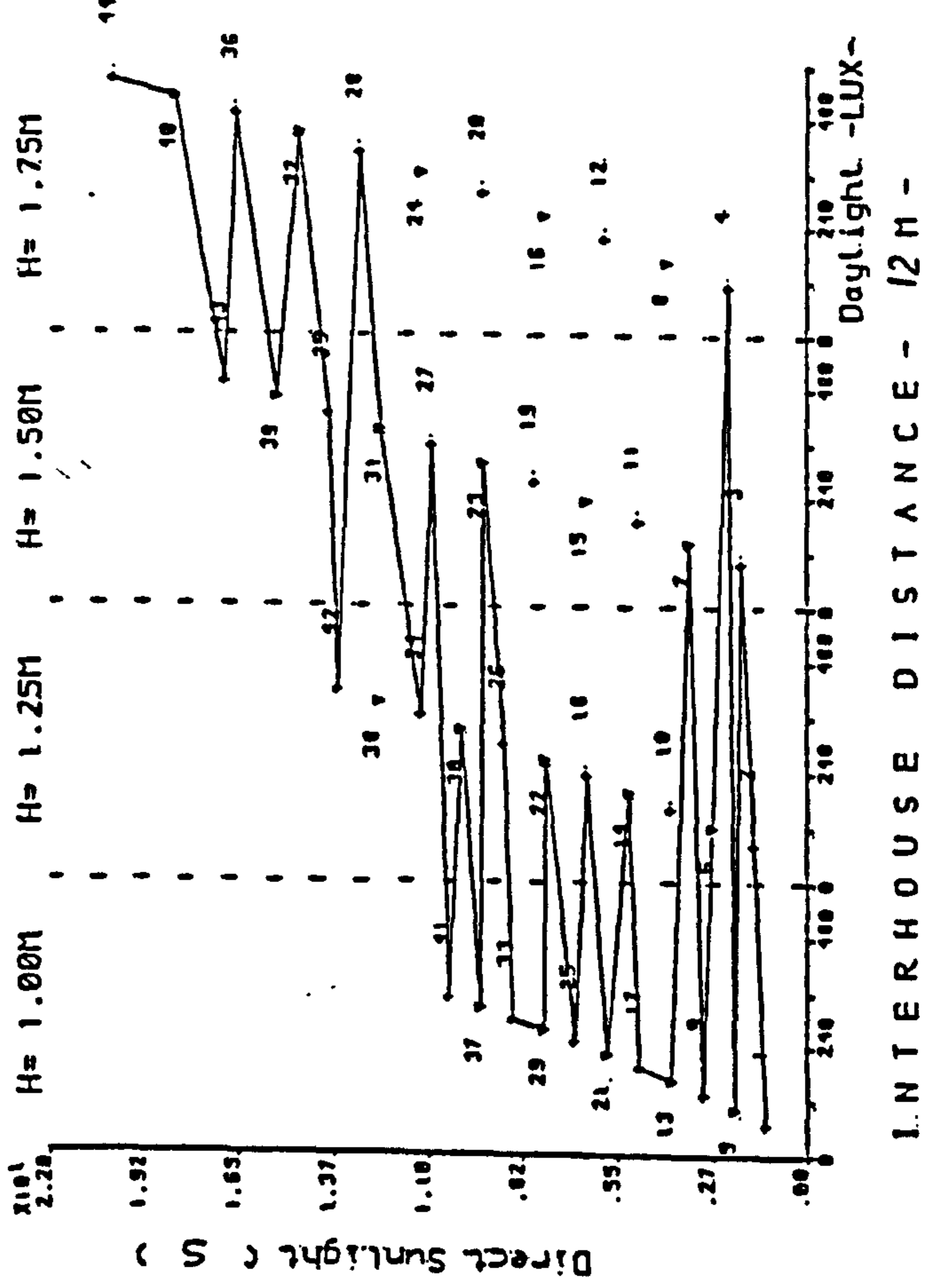
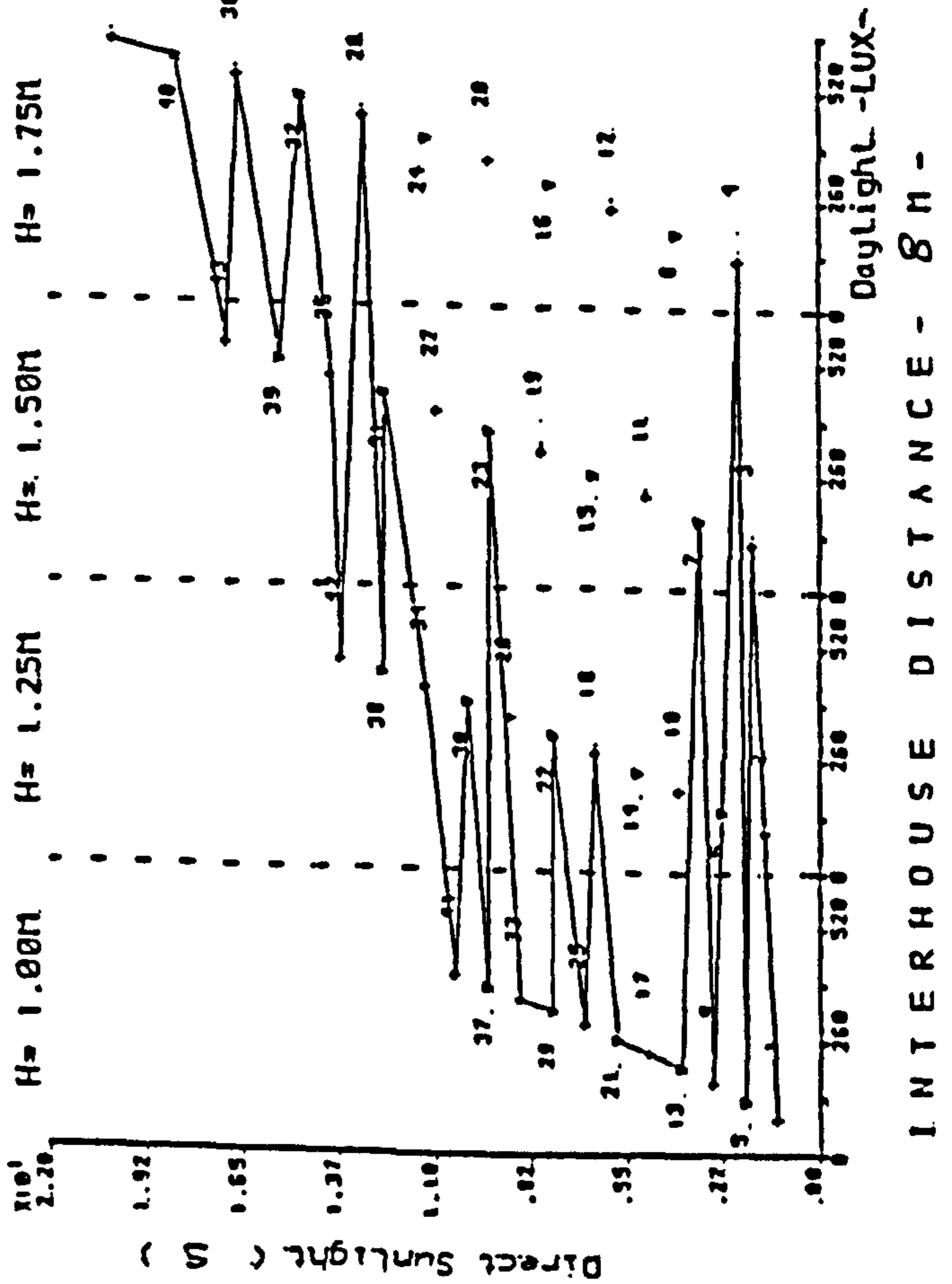
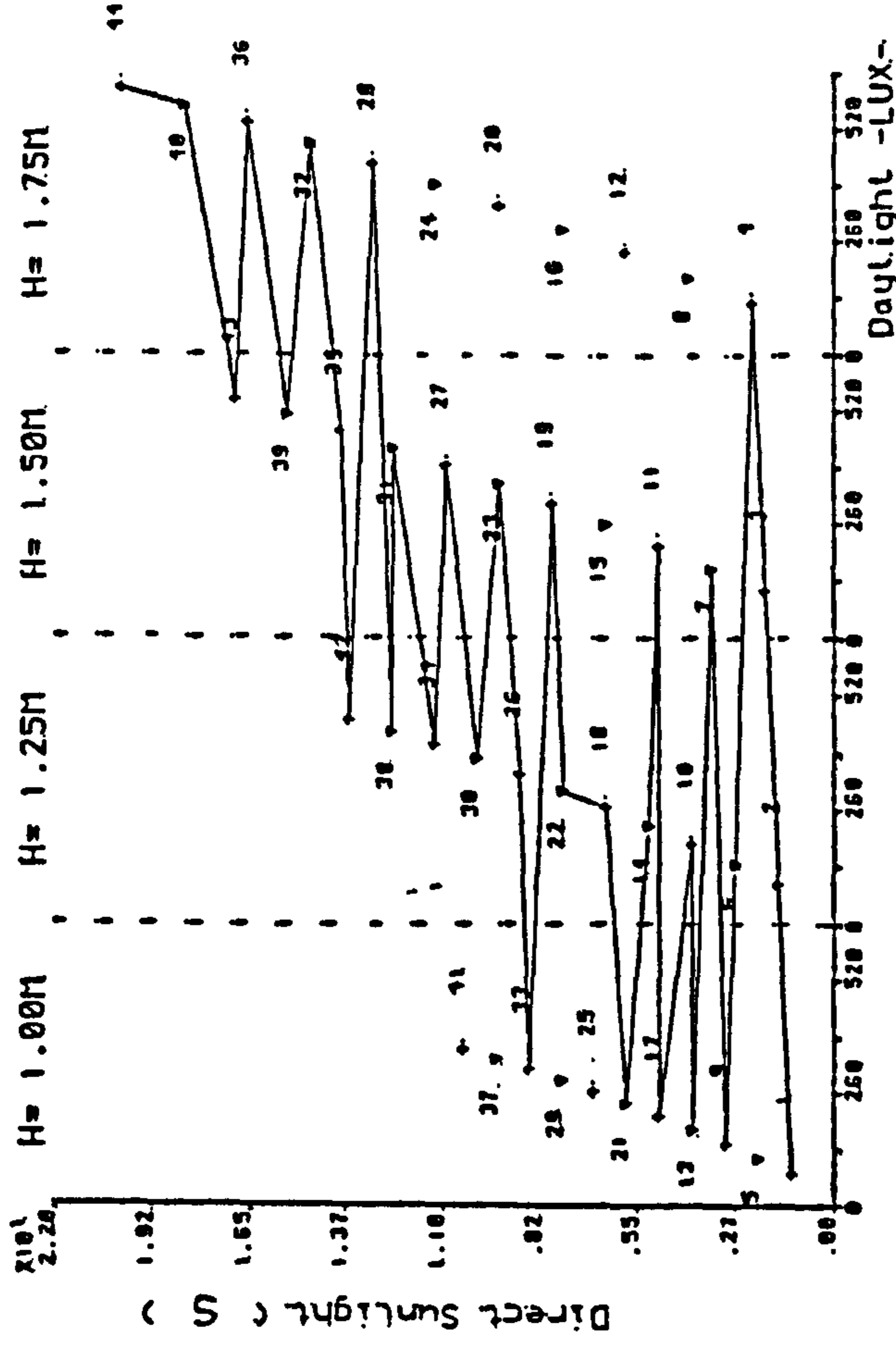
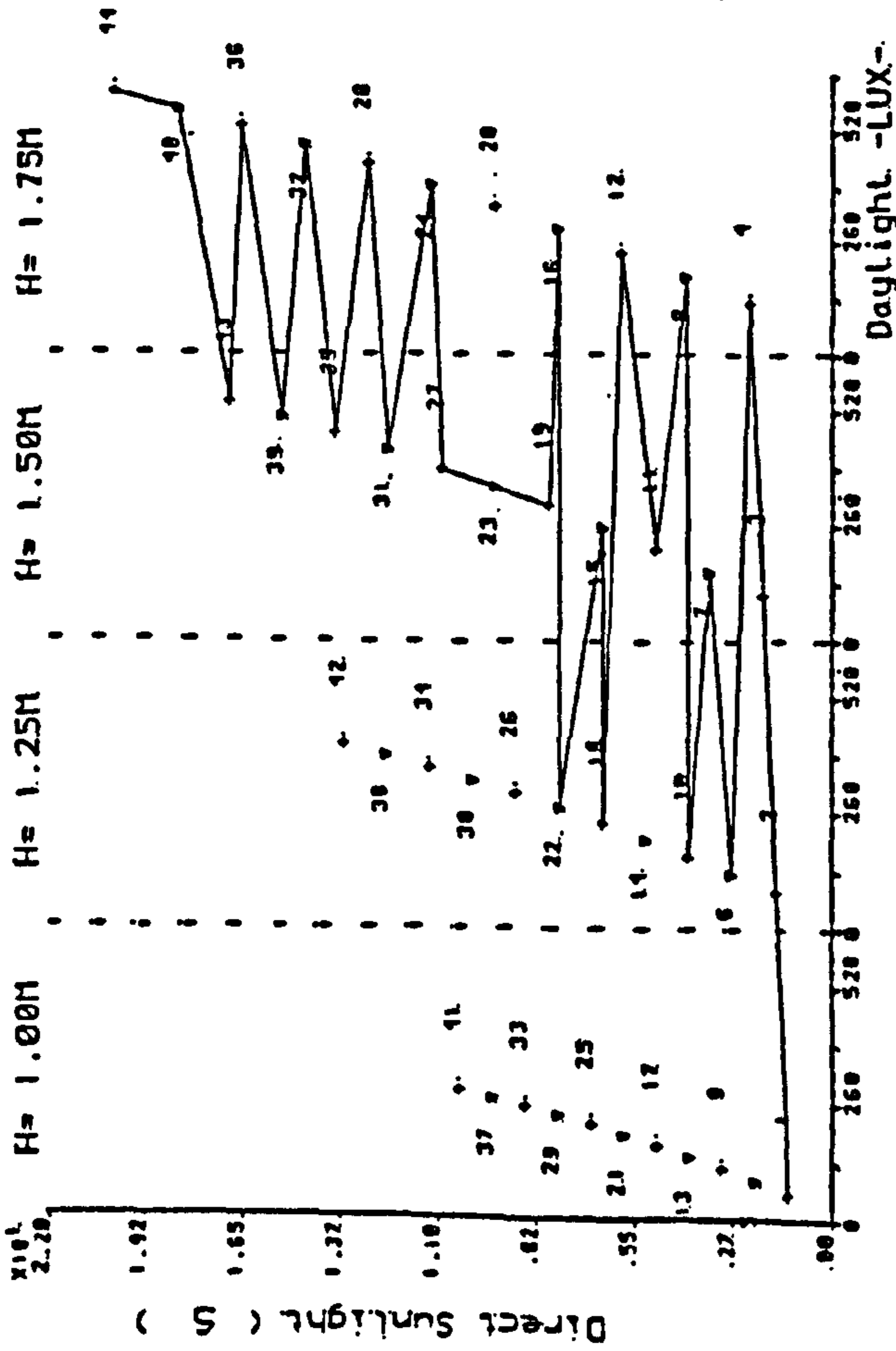


INTERHOUSE DISTANCE - 4 M -



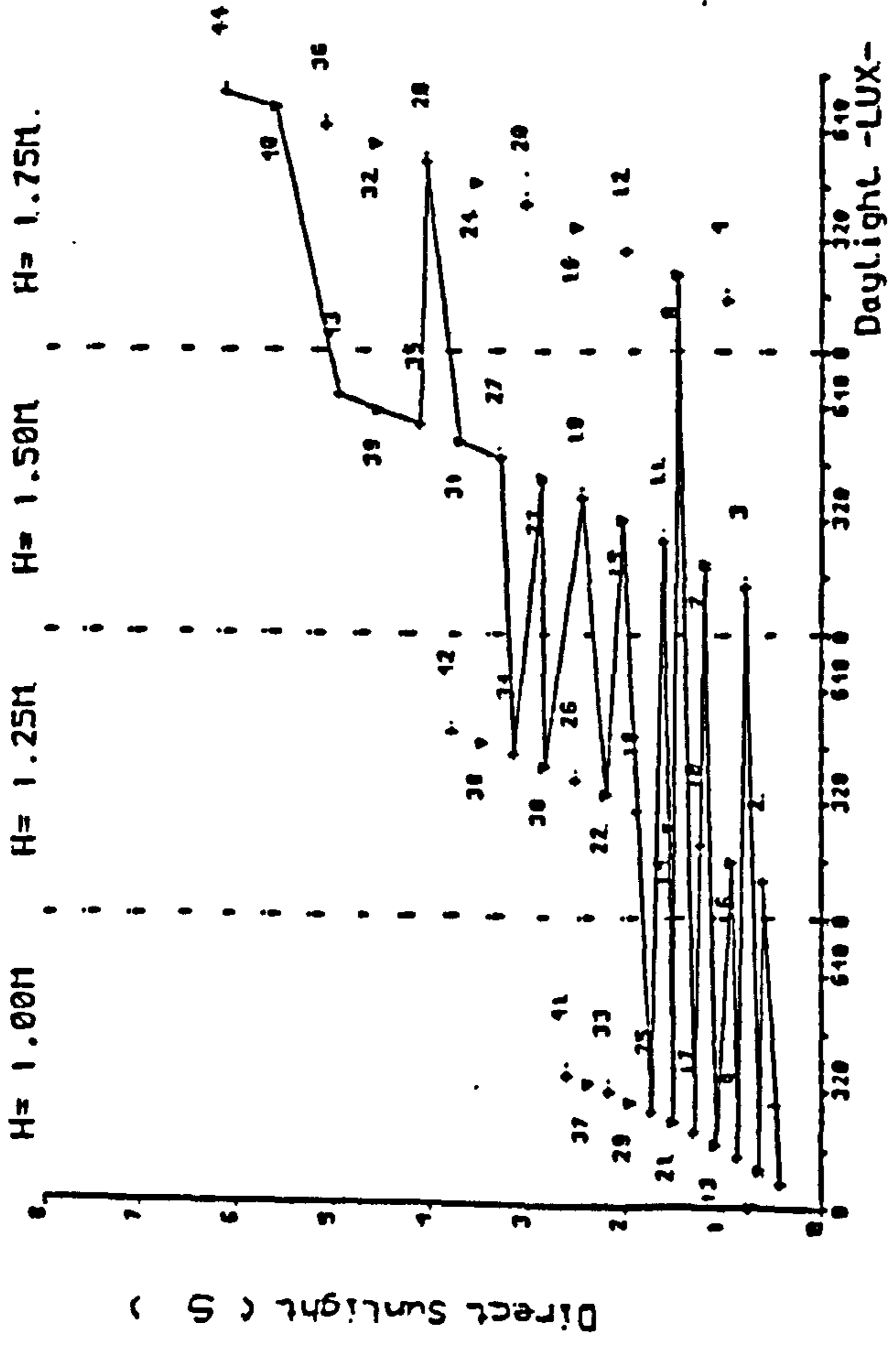
INTERHOUSE DISTANCE - 8 M -



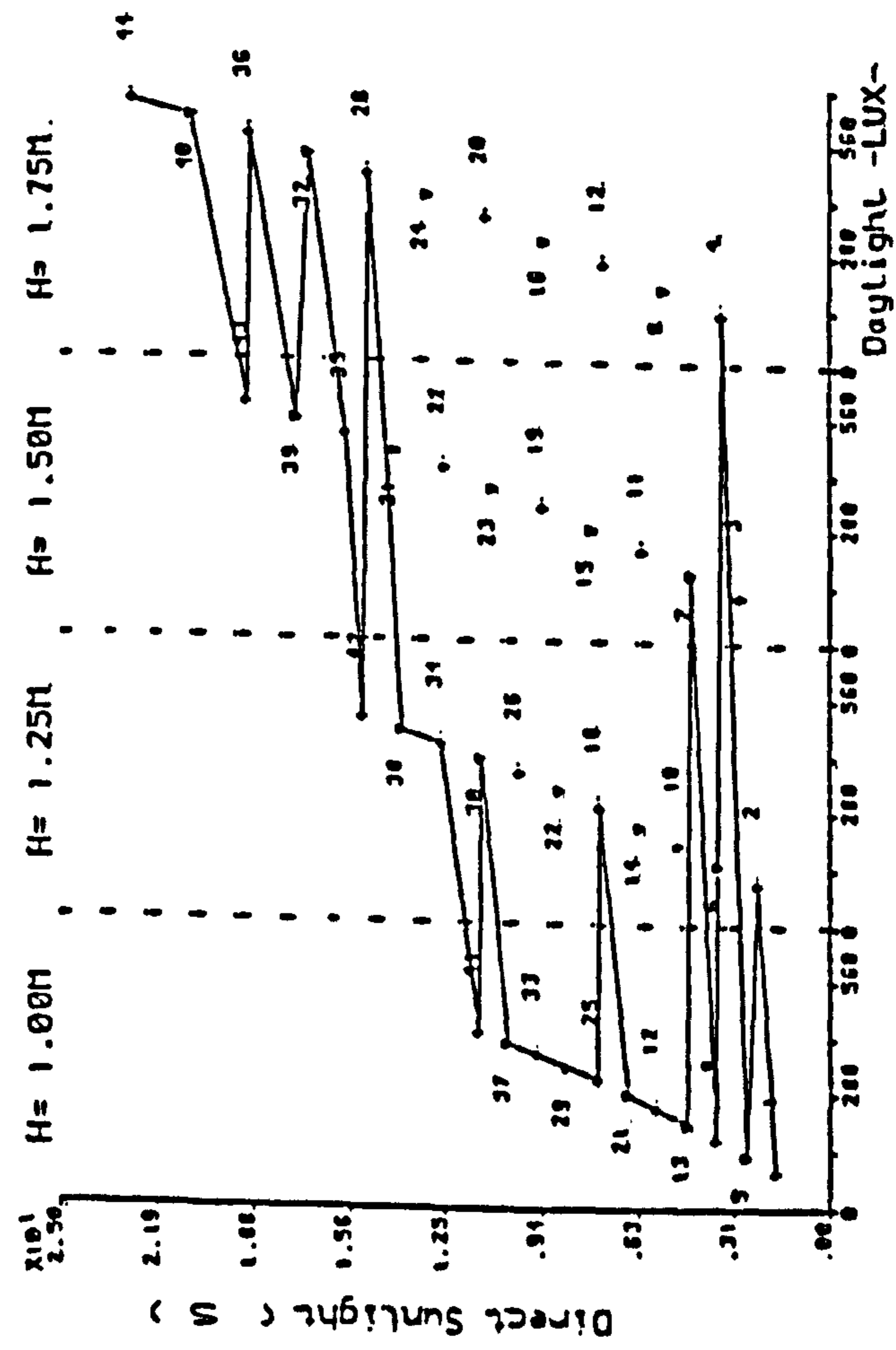




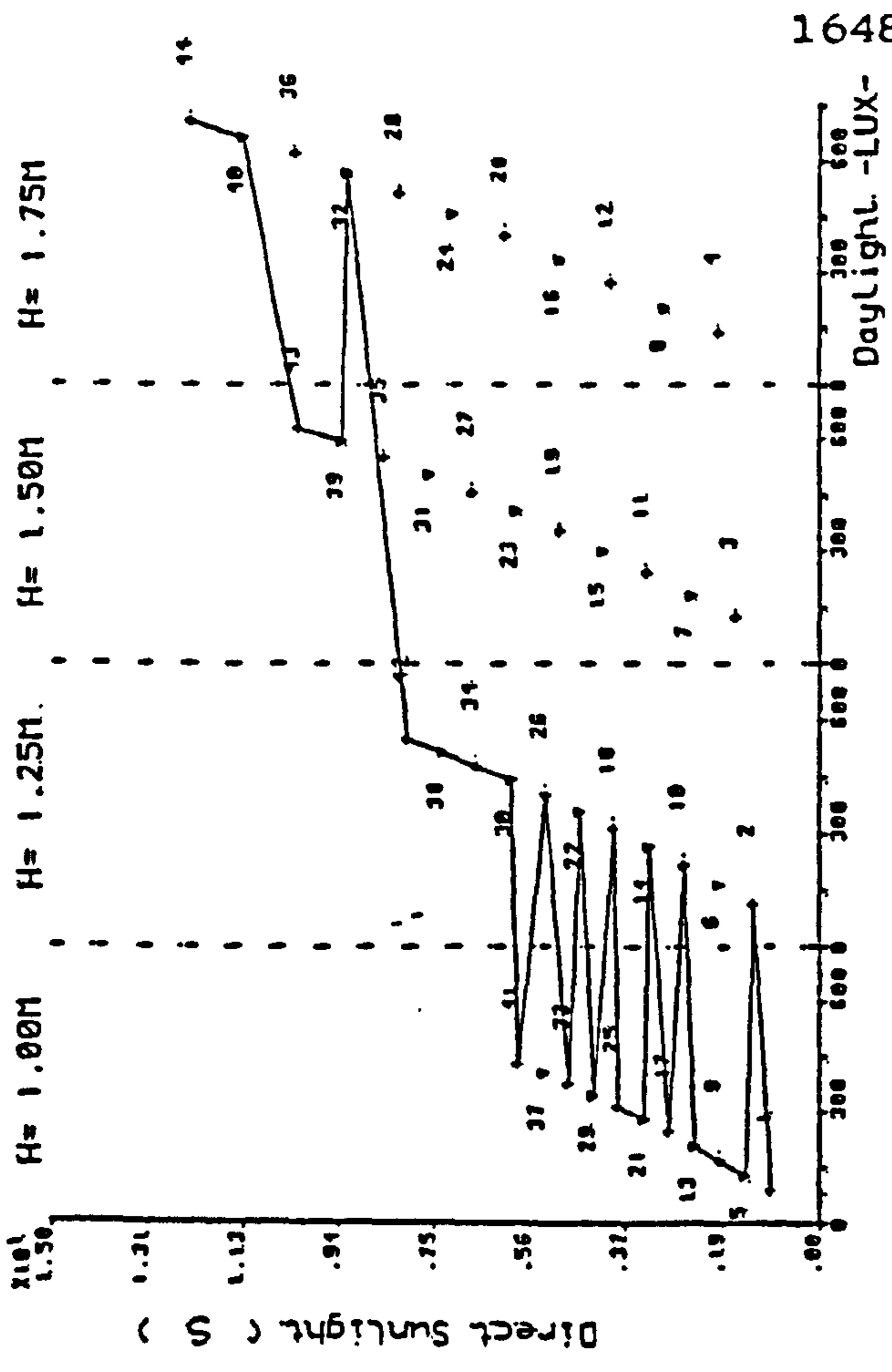




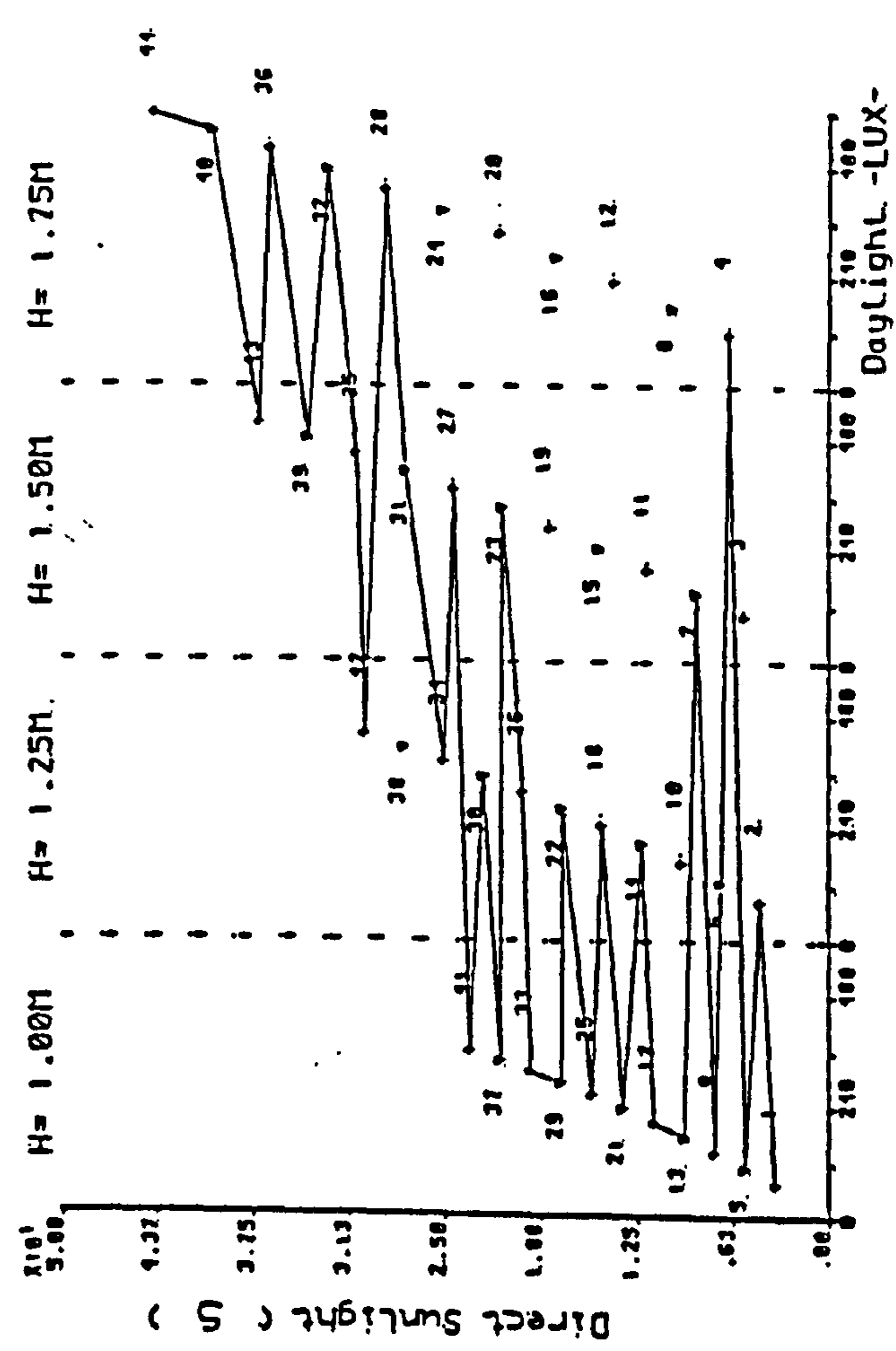
INTERHOUSE DISTANCE - 4M -



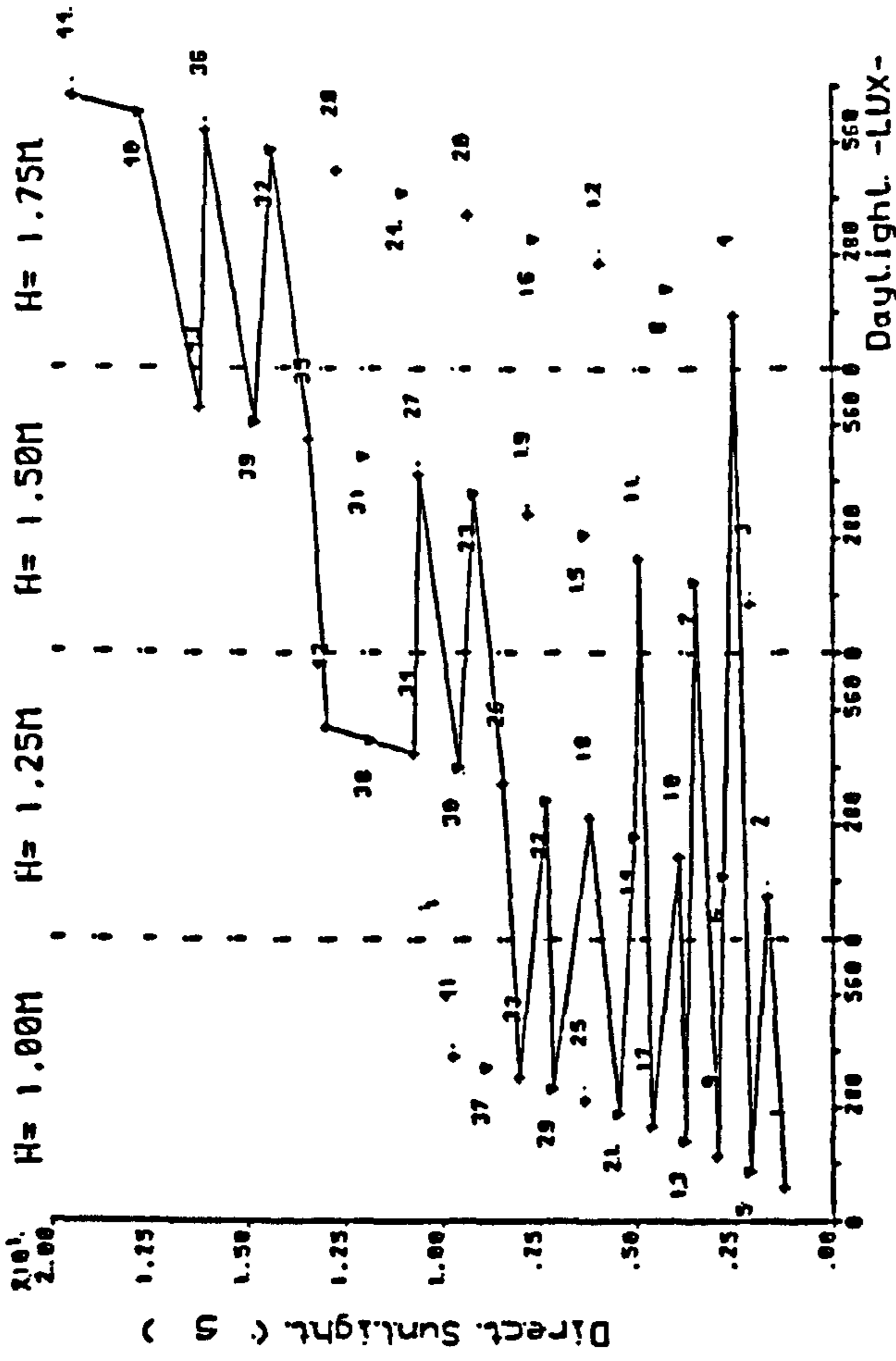
INTERHOUSE DISTANCE - 8M -



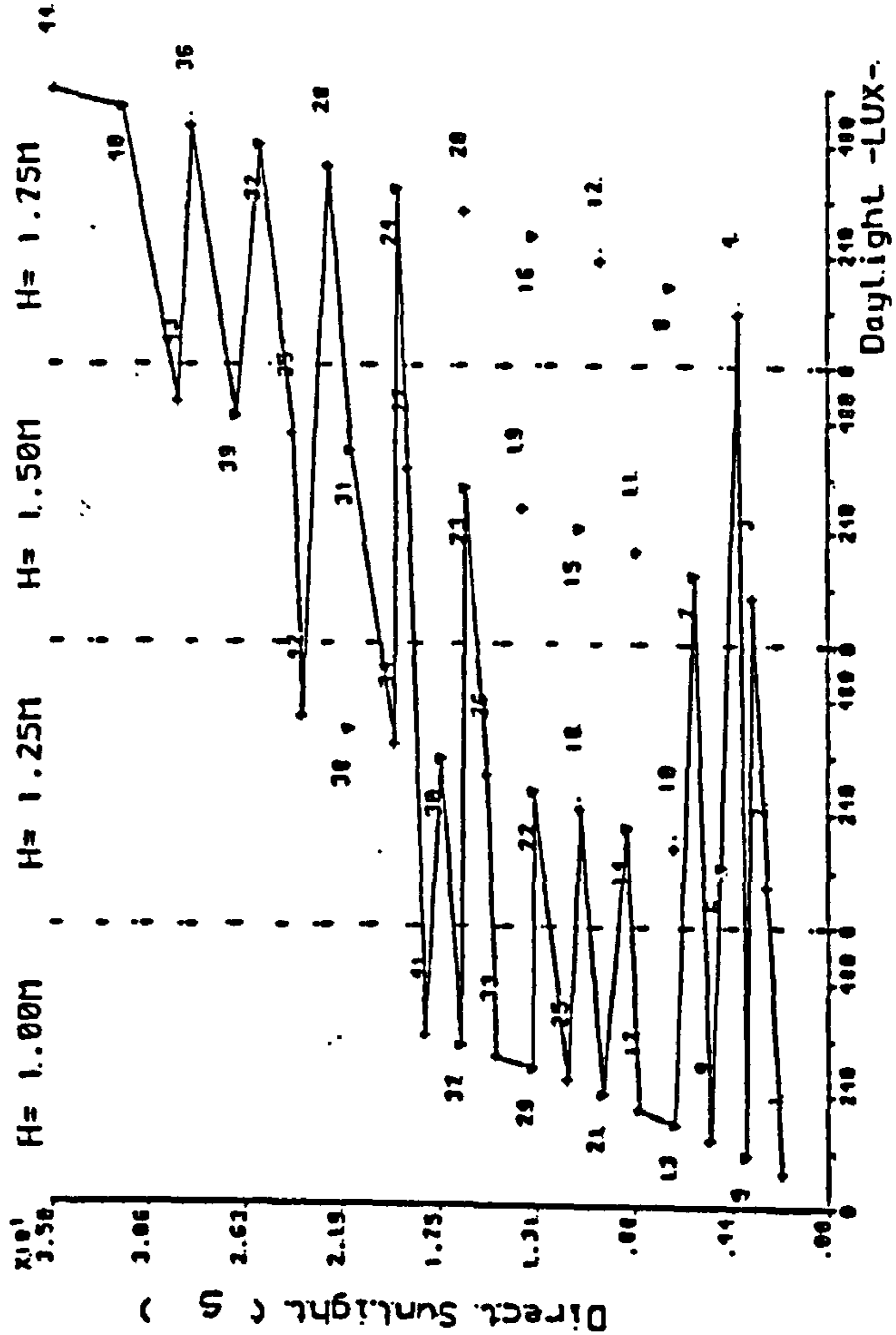
INTERHOUSE DISTANCE - 6M -



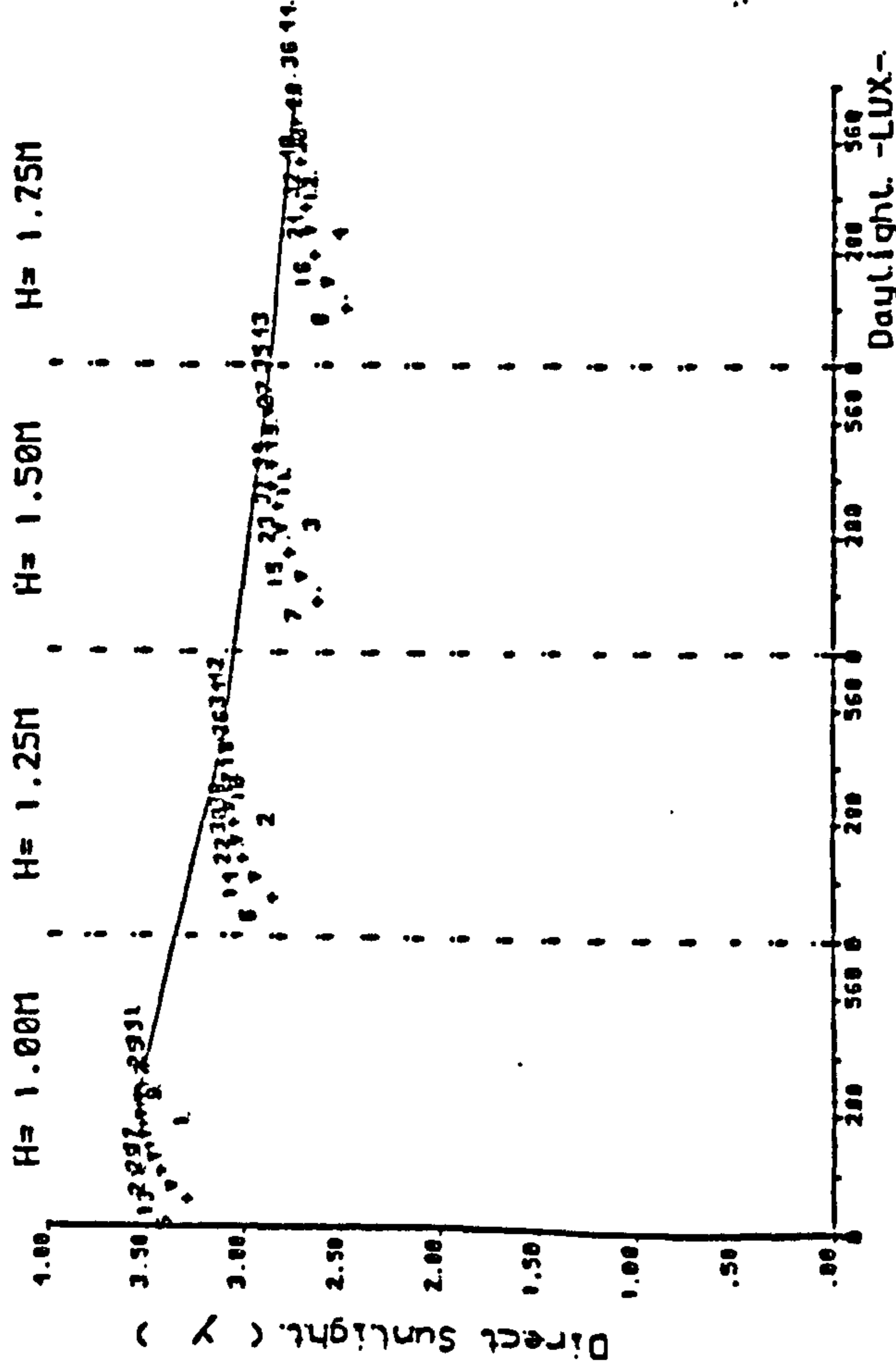
INTERHOUSE DISTANCE - 12M -



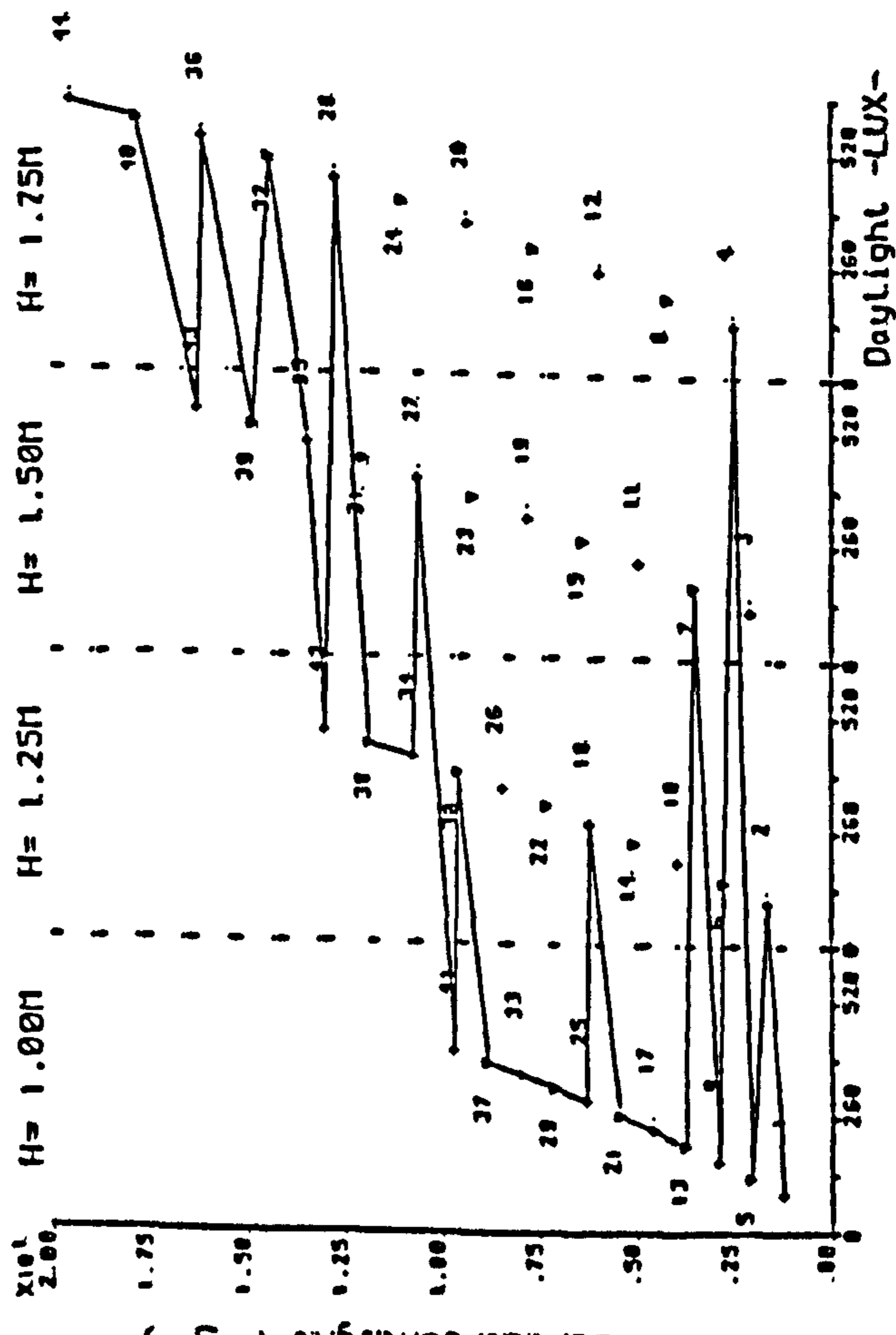
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -

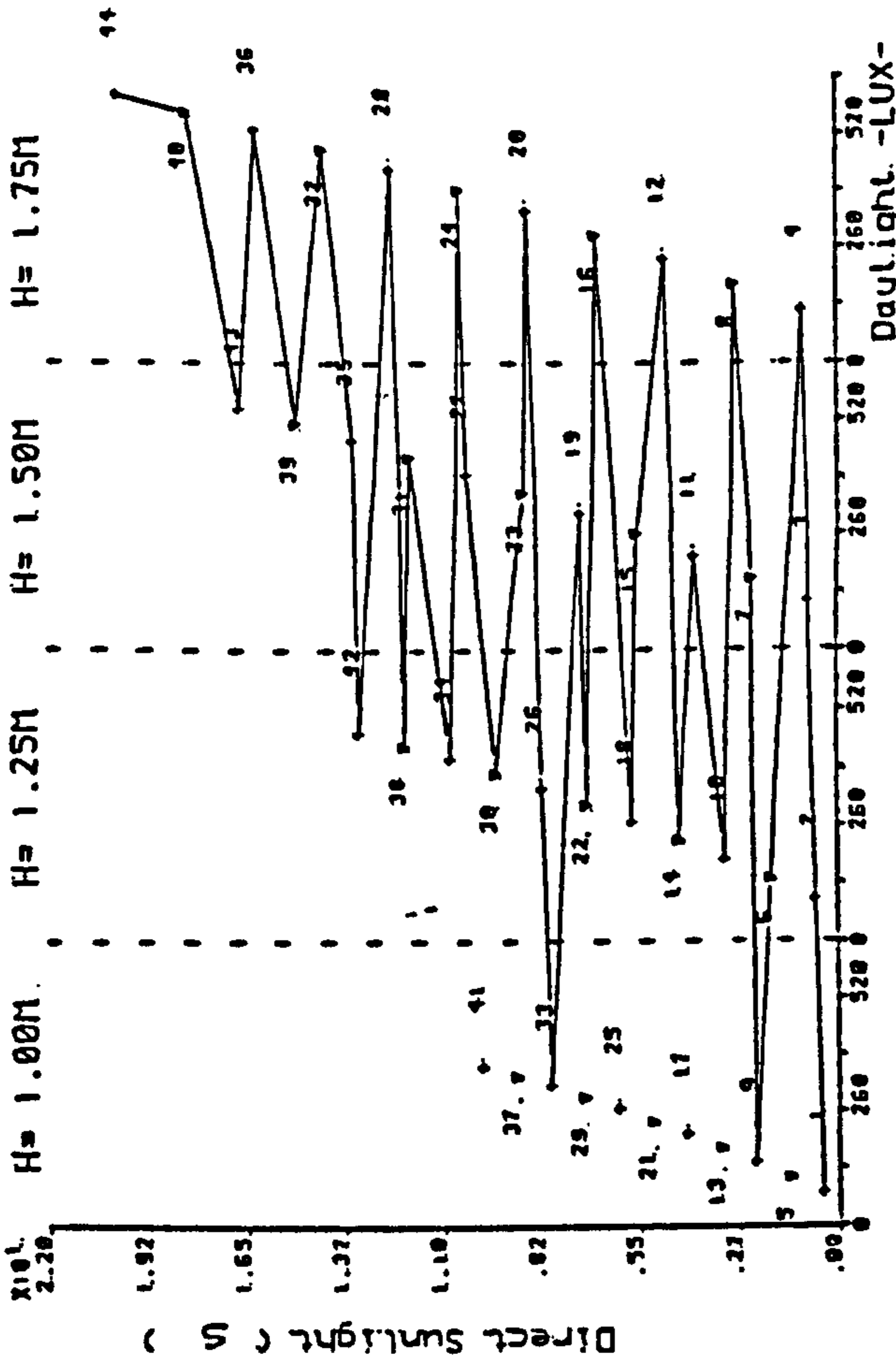


INTERHOUSE DISTANCE - 4M -

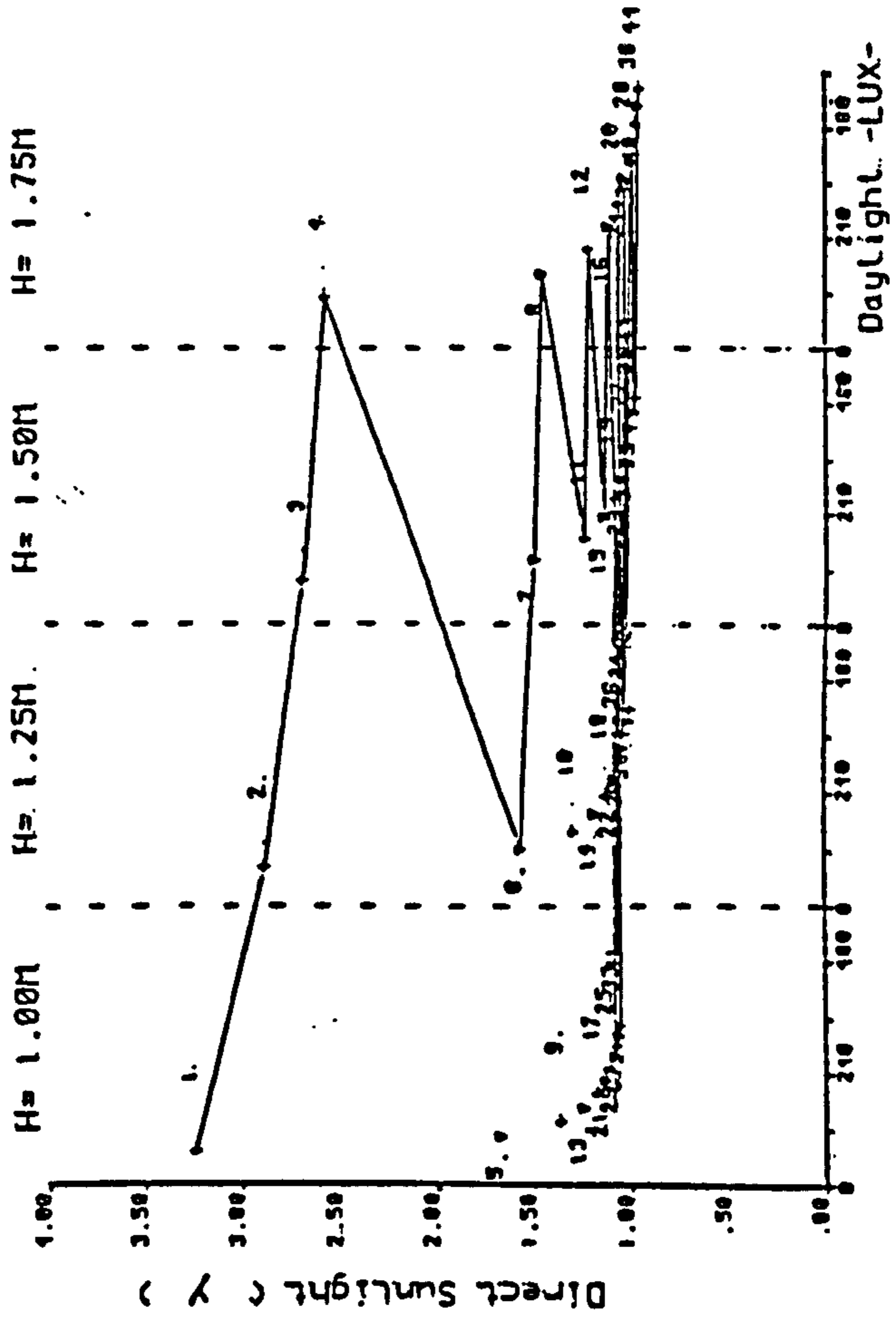


INTERHOUSE DISTANCE - 8M -

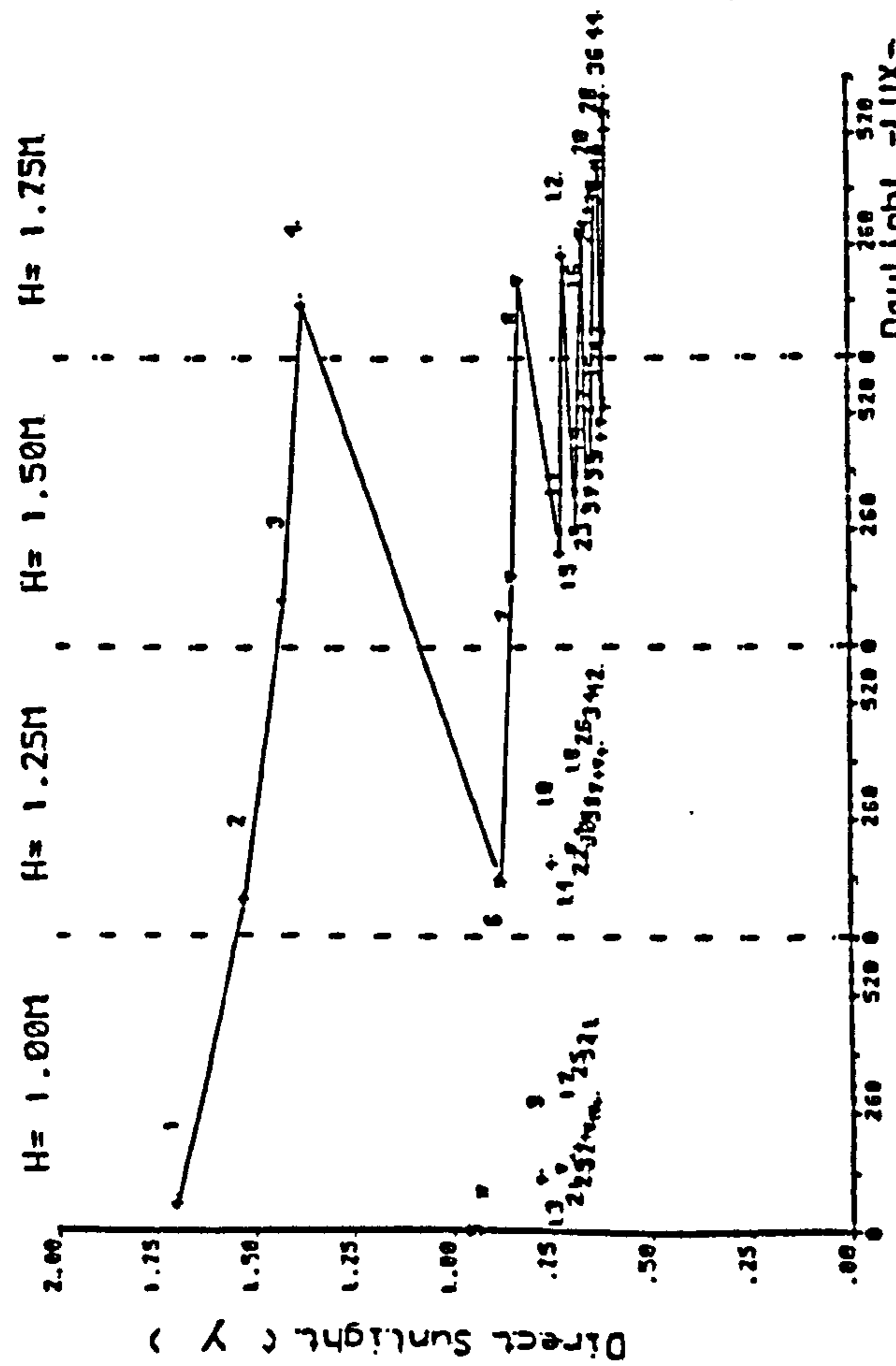




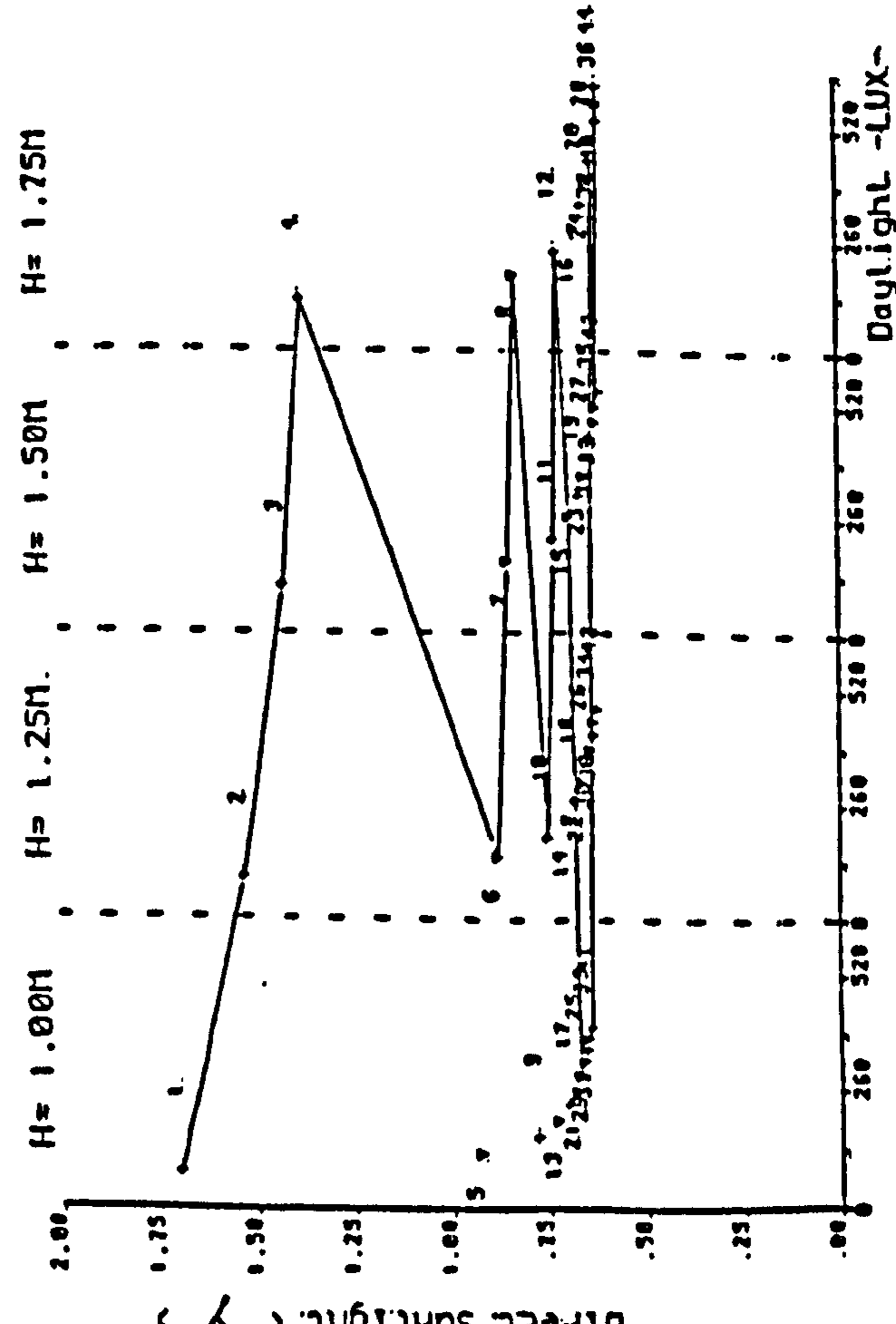
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -

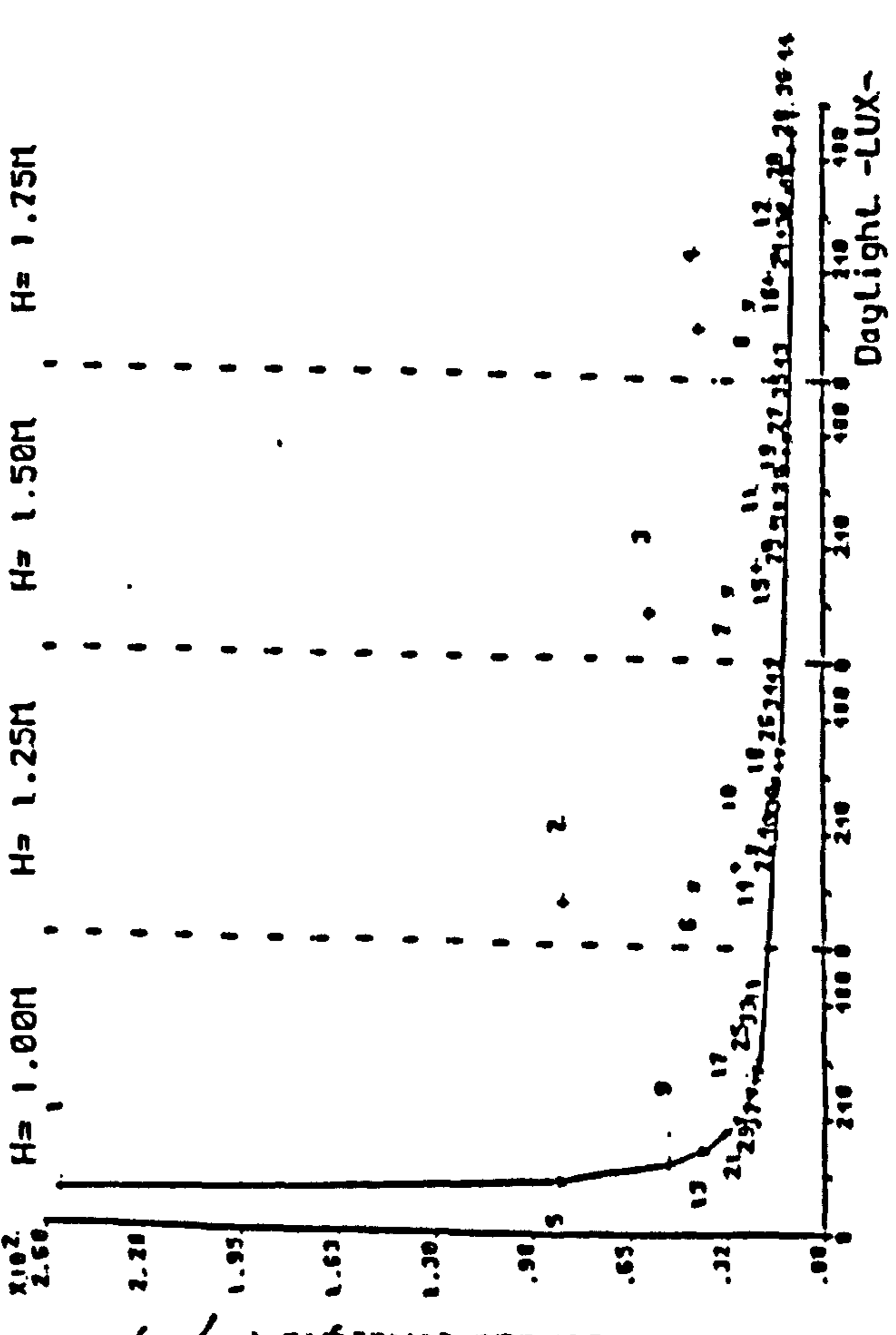
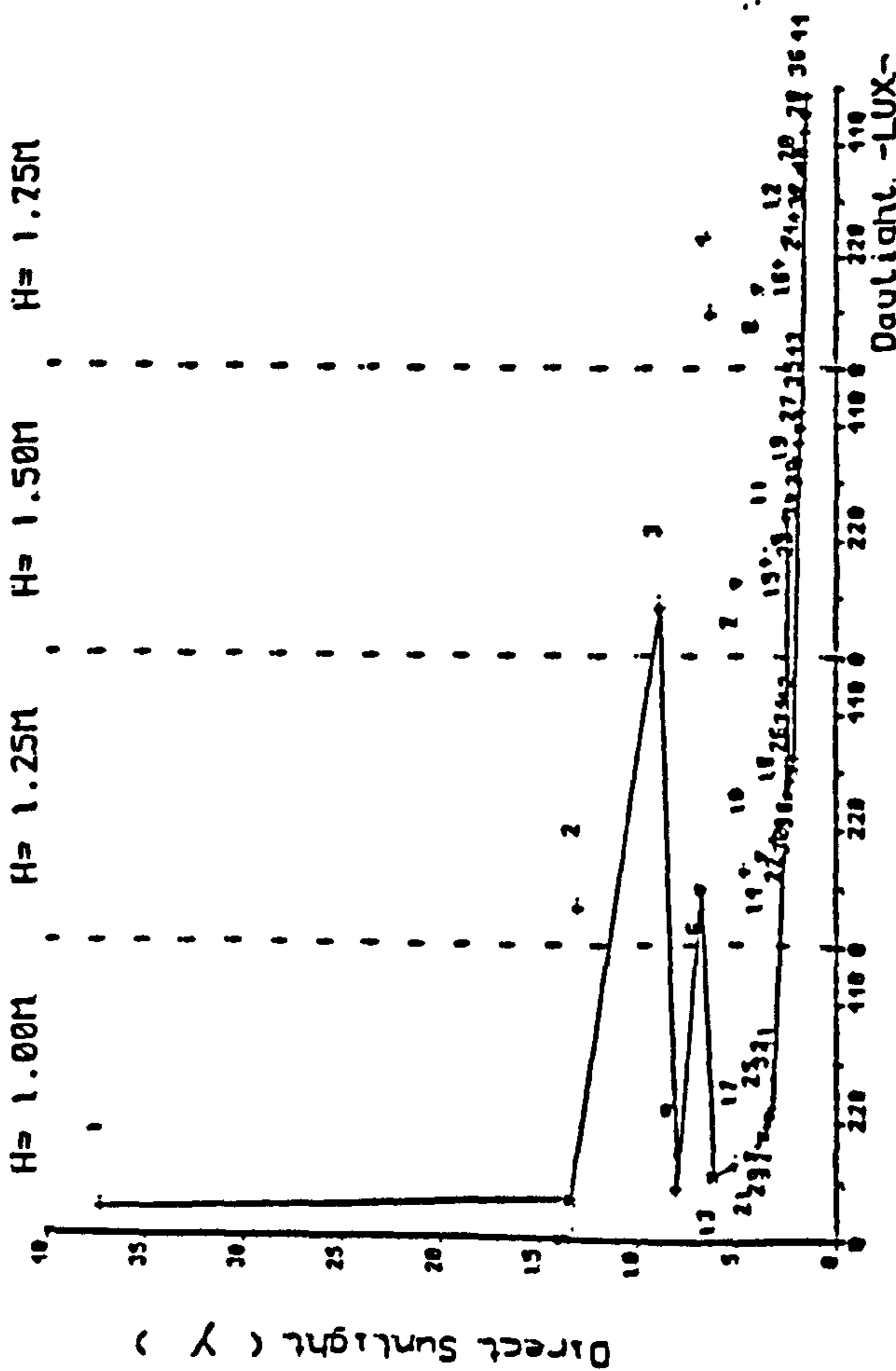
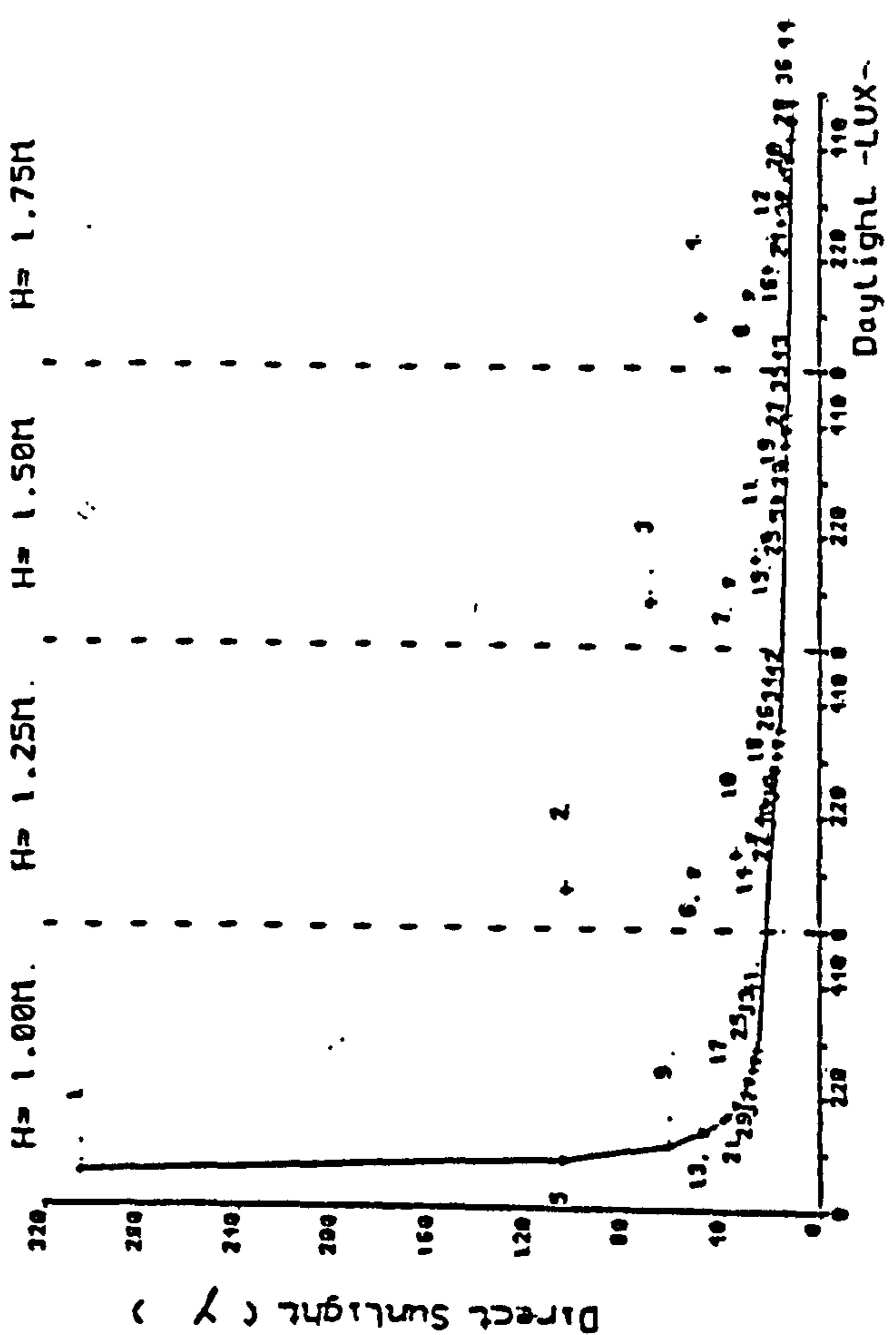
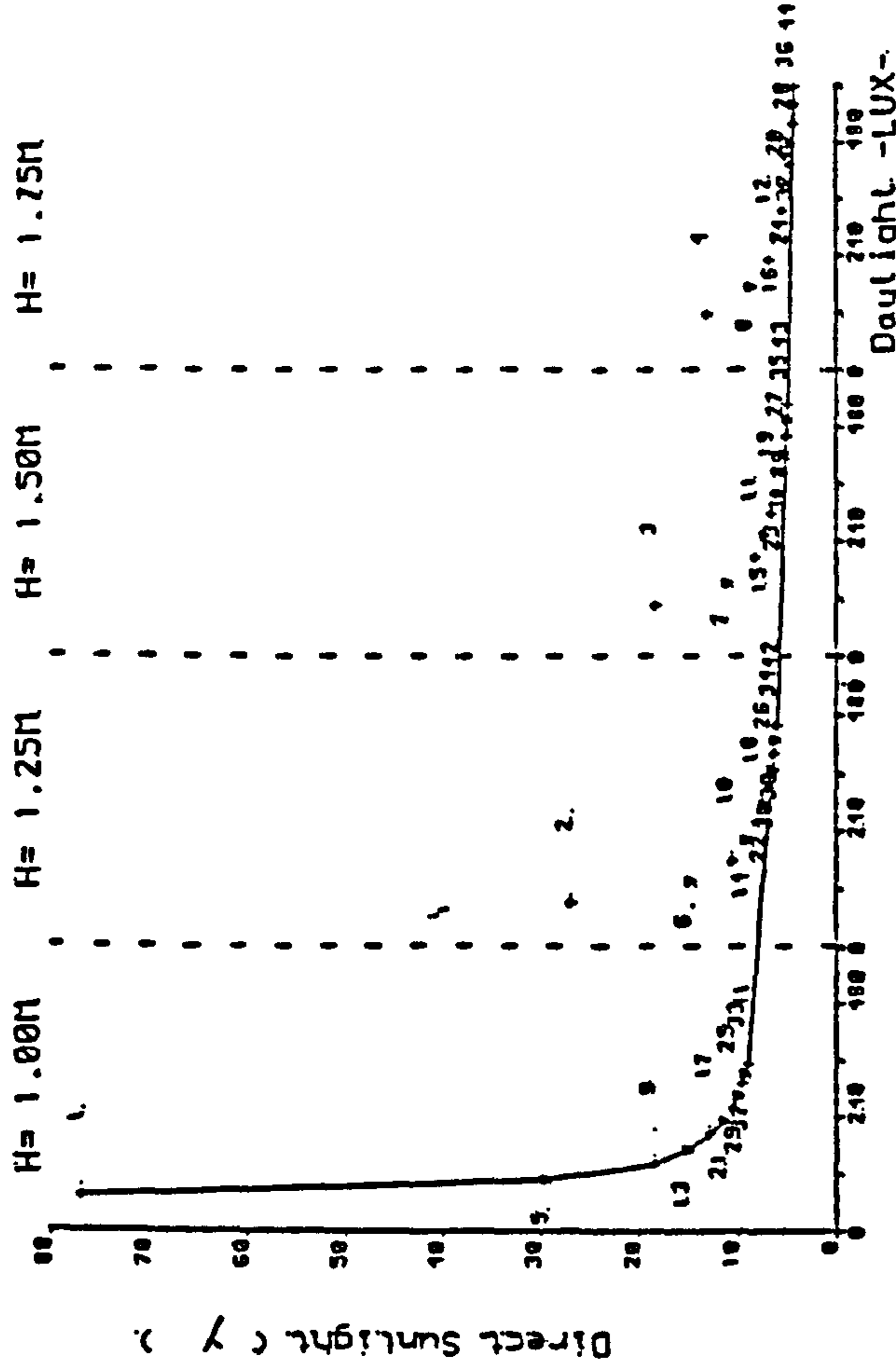


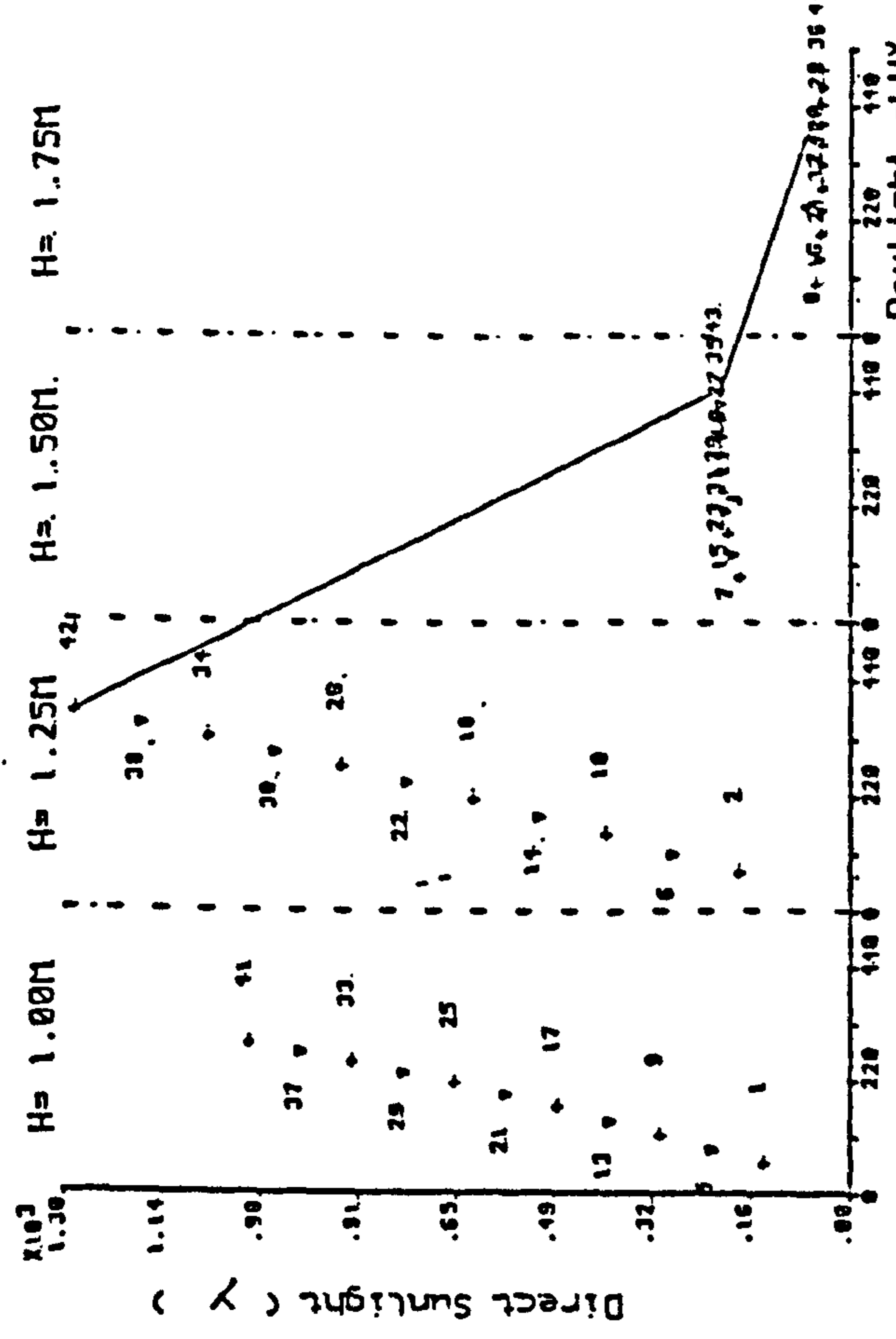
INTERHOUSE DISTANCE - 4M -



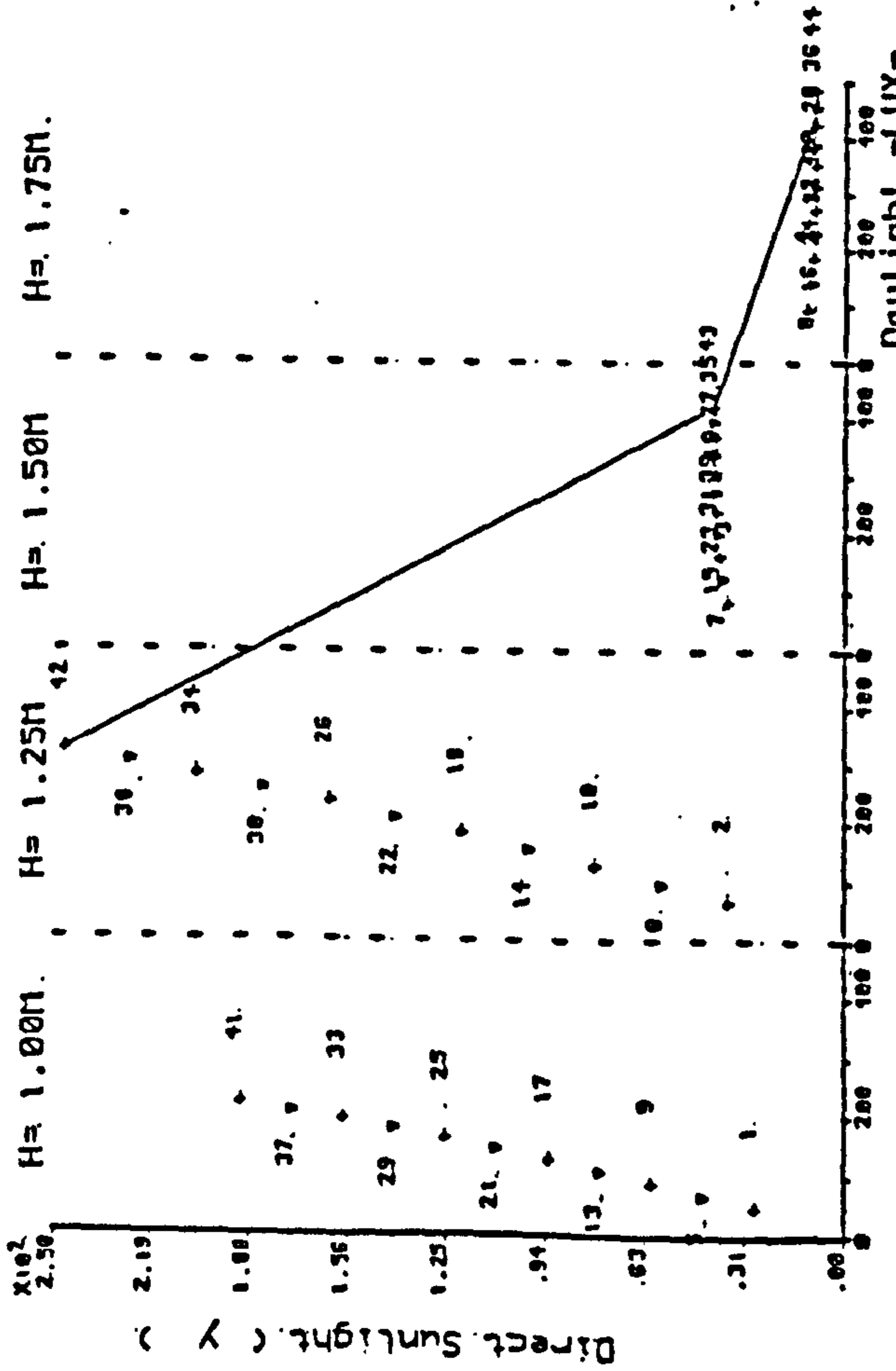
INTERHOUSE DISTANCE - 8M -



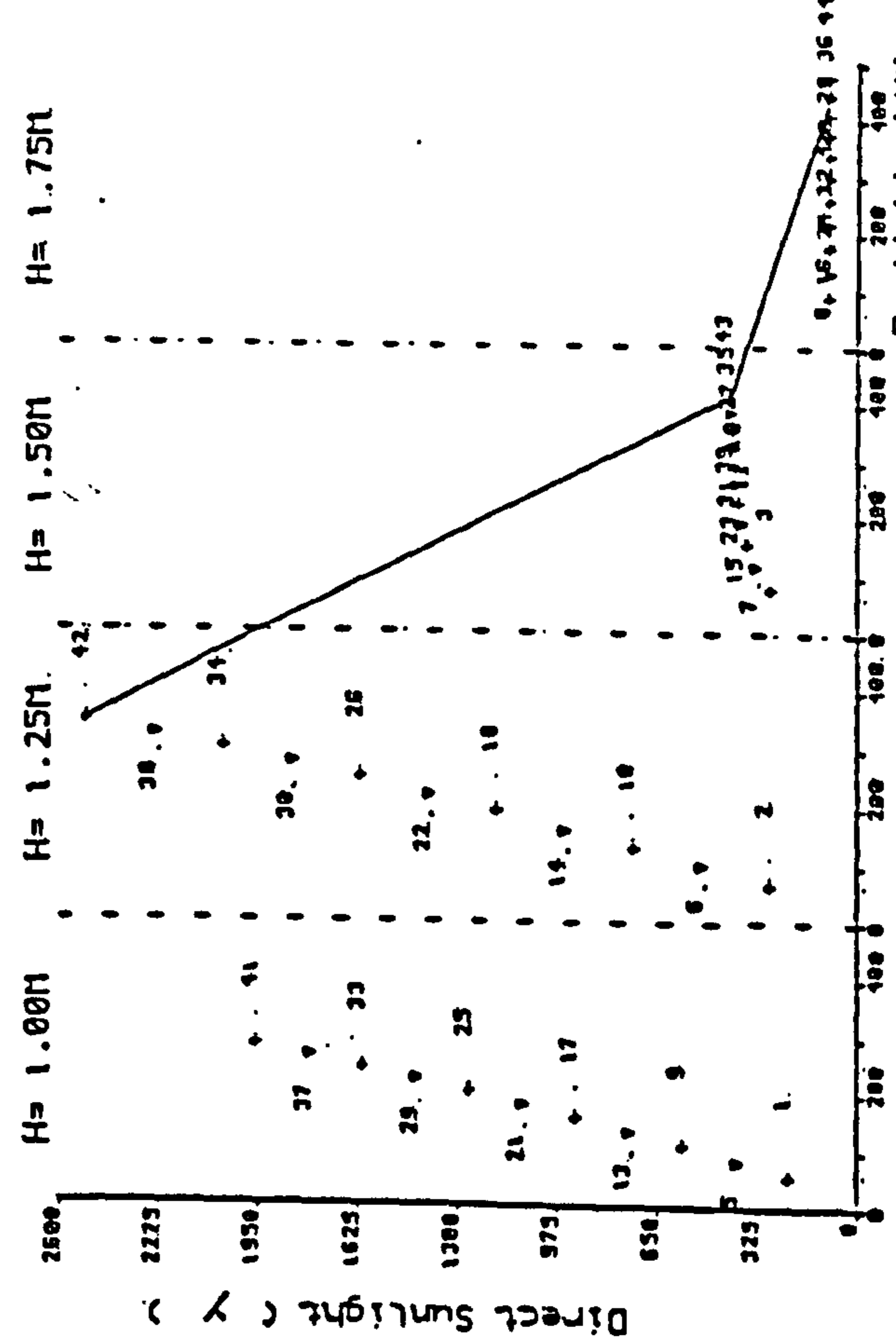


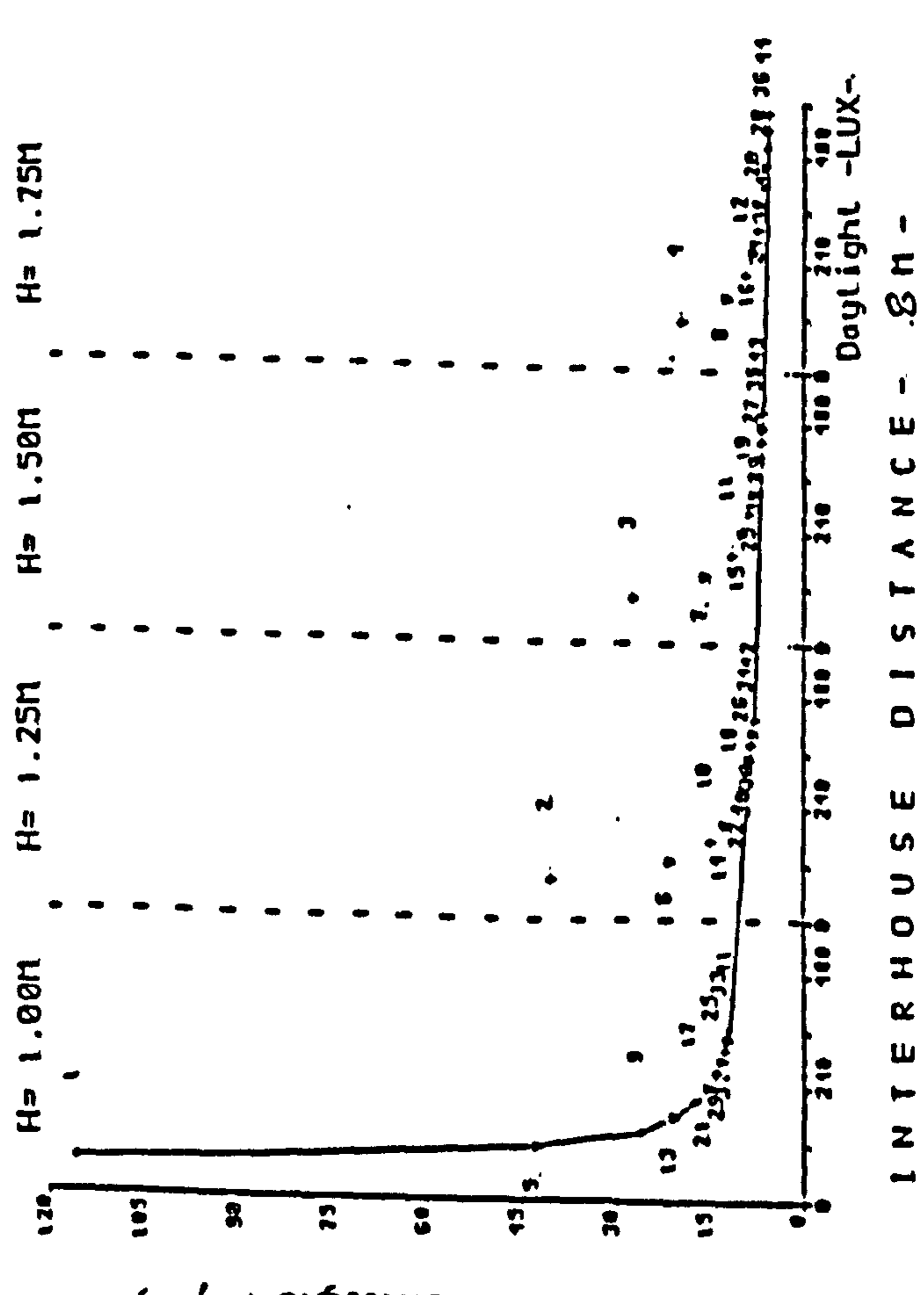
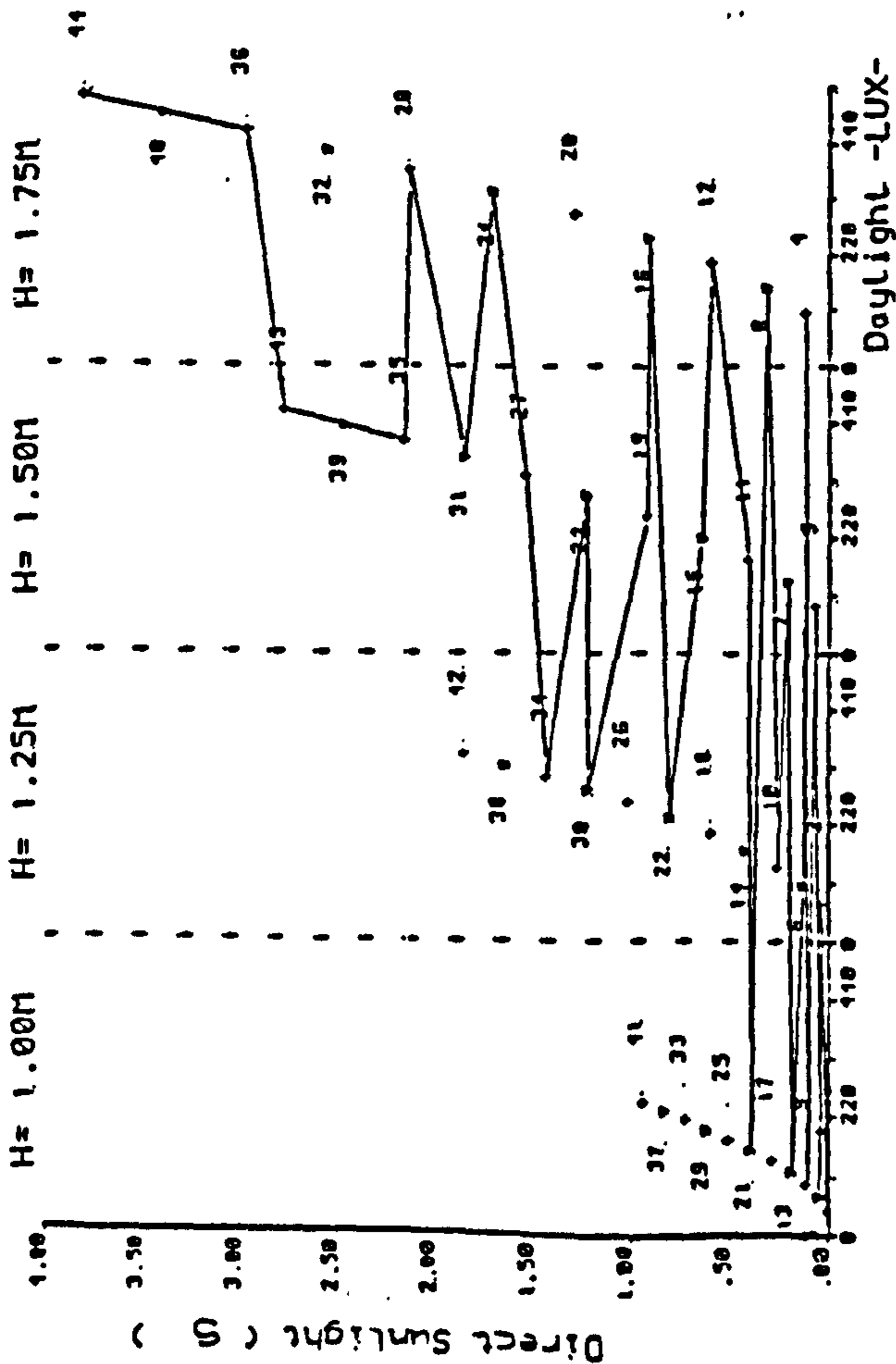
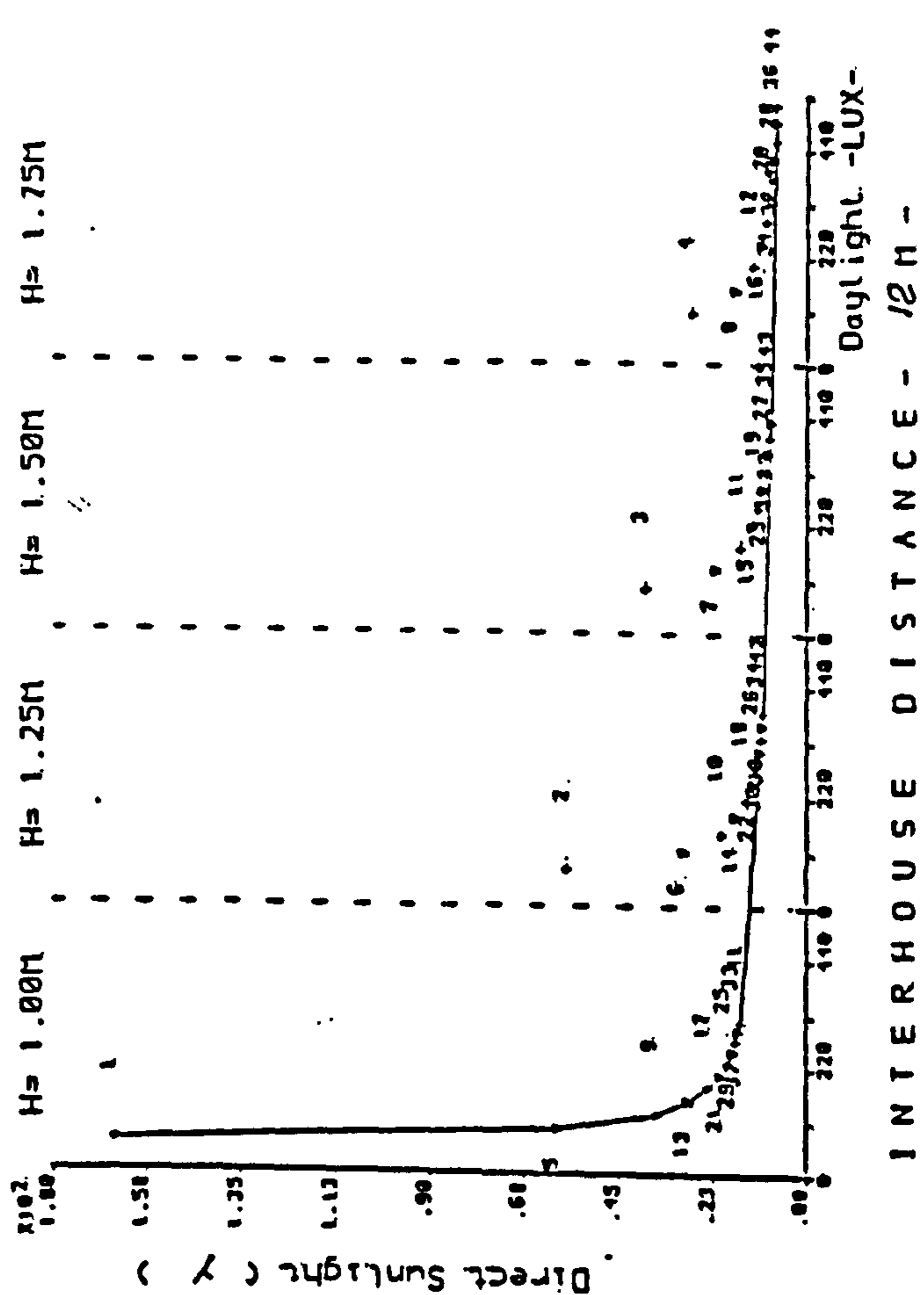
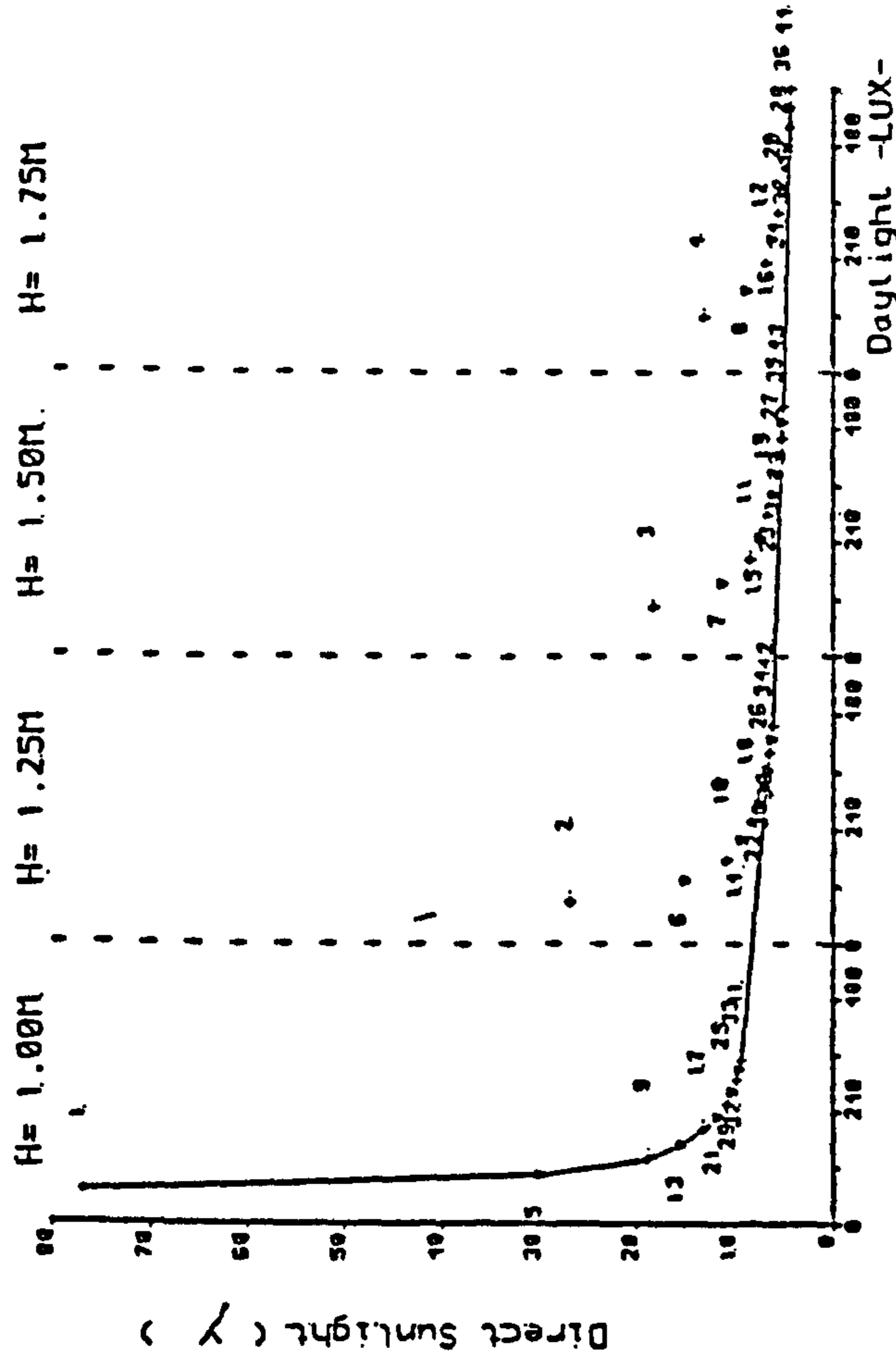


INTERHOUSE DISTANCE - 4M -



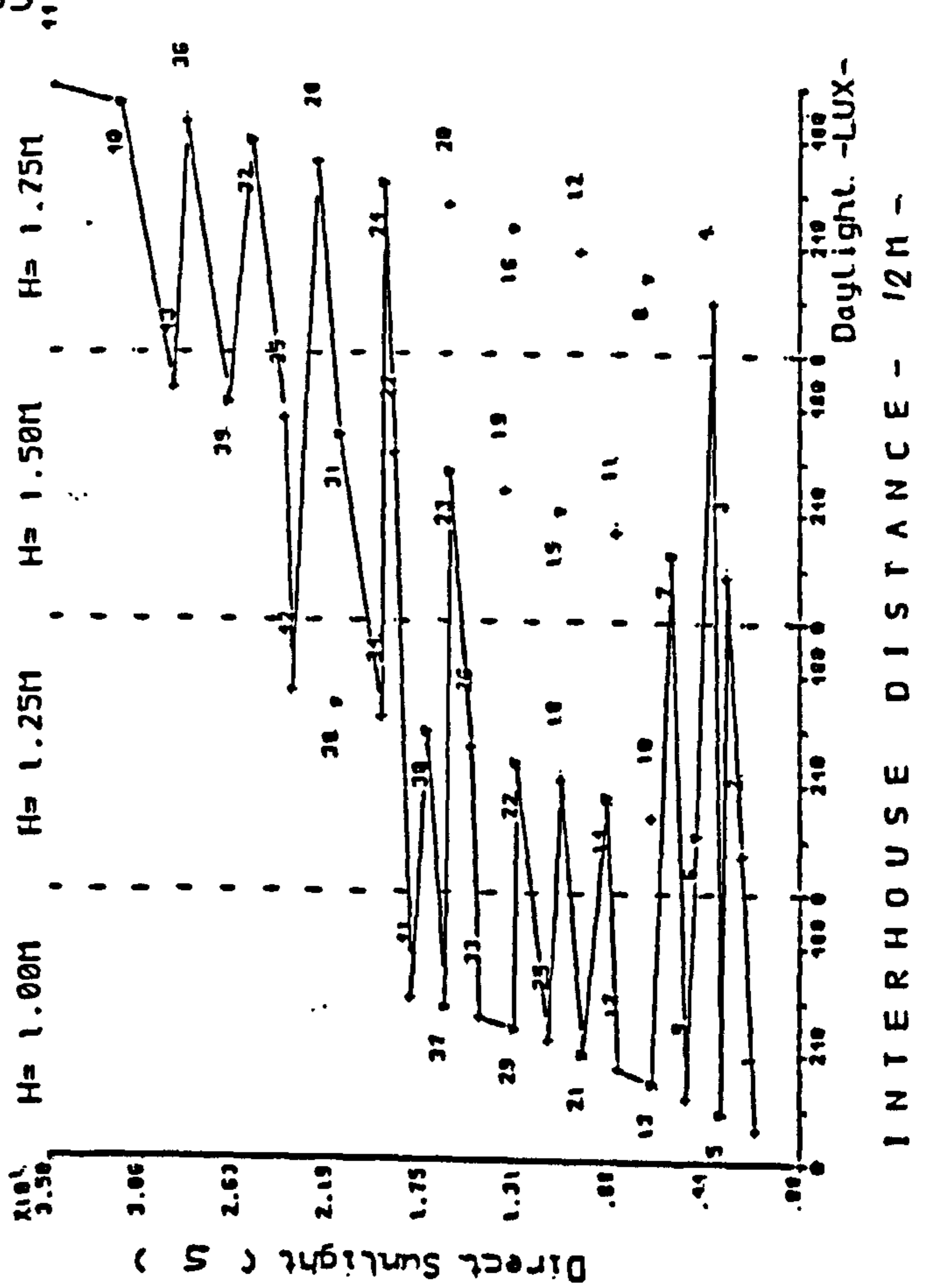
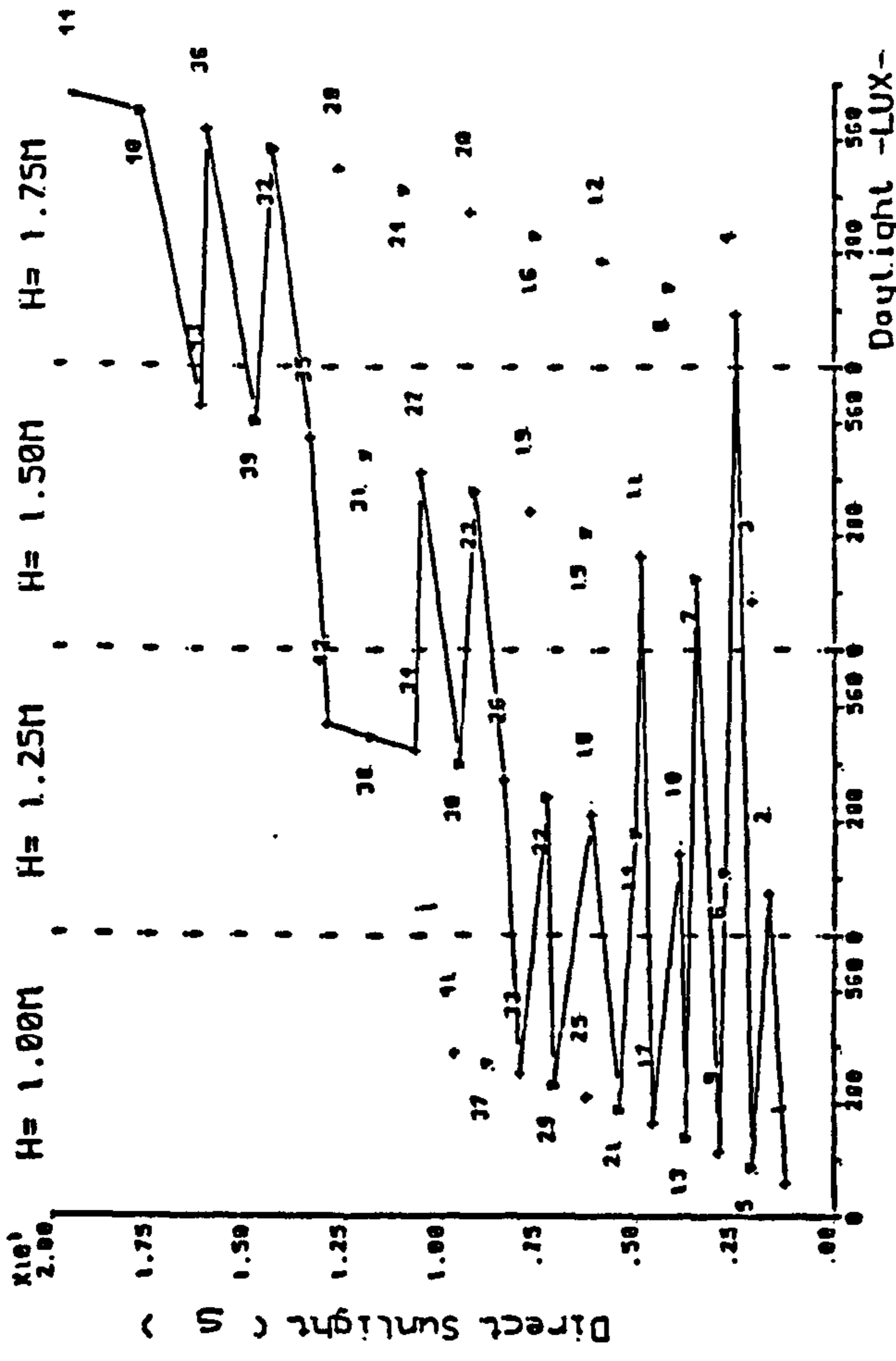
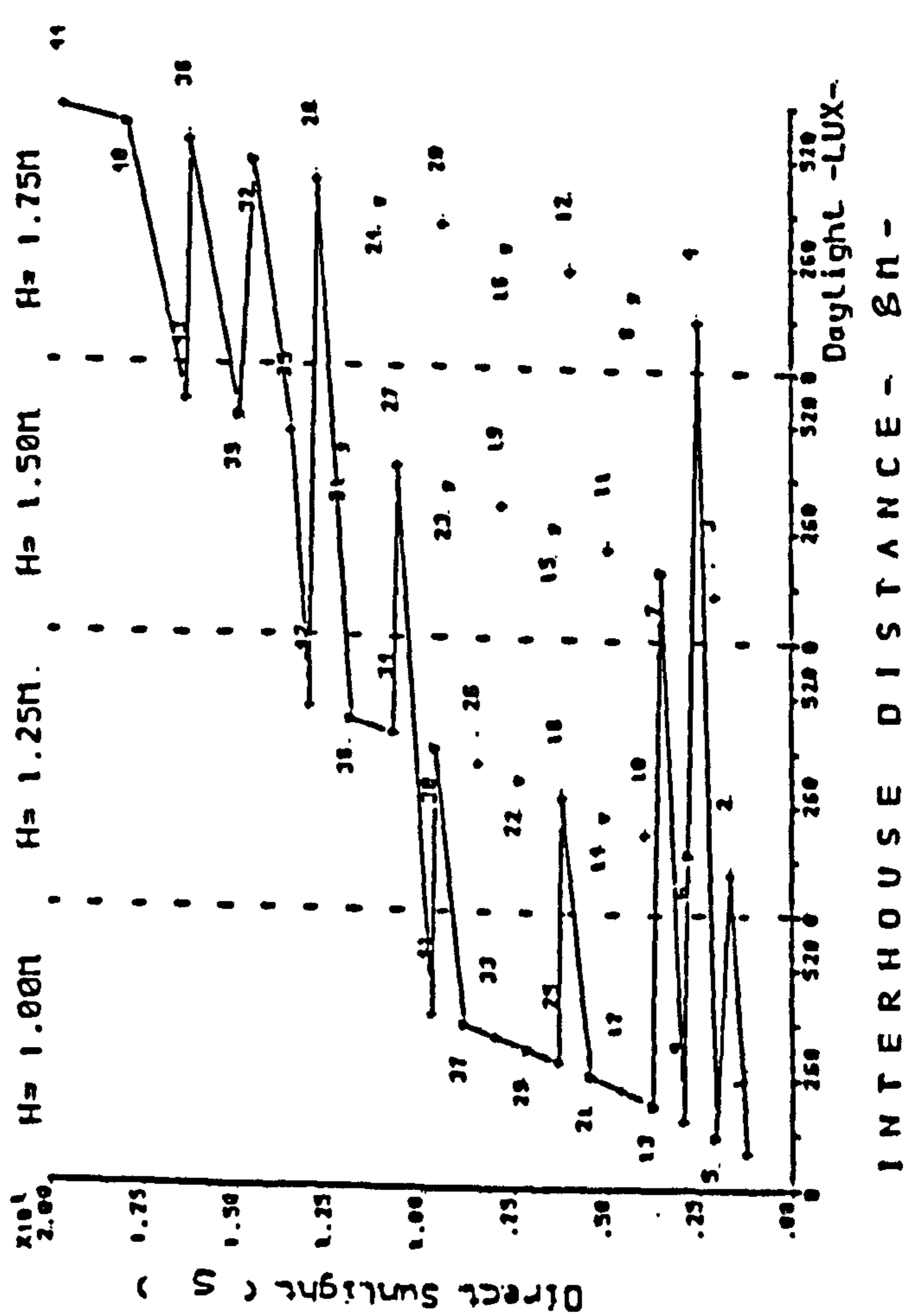
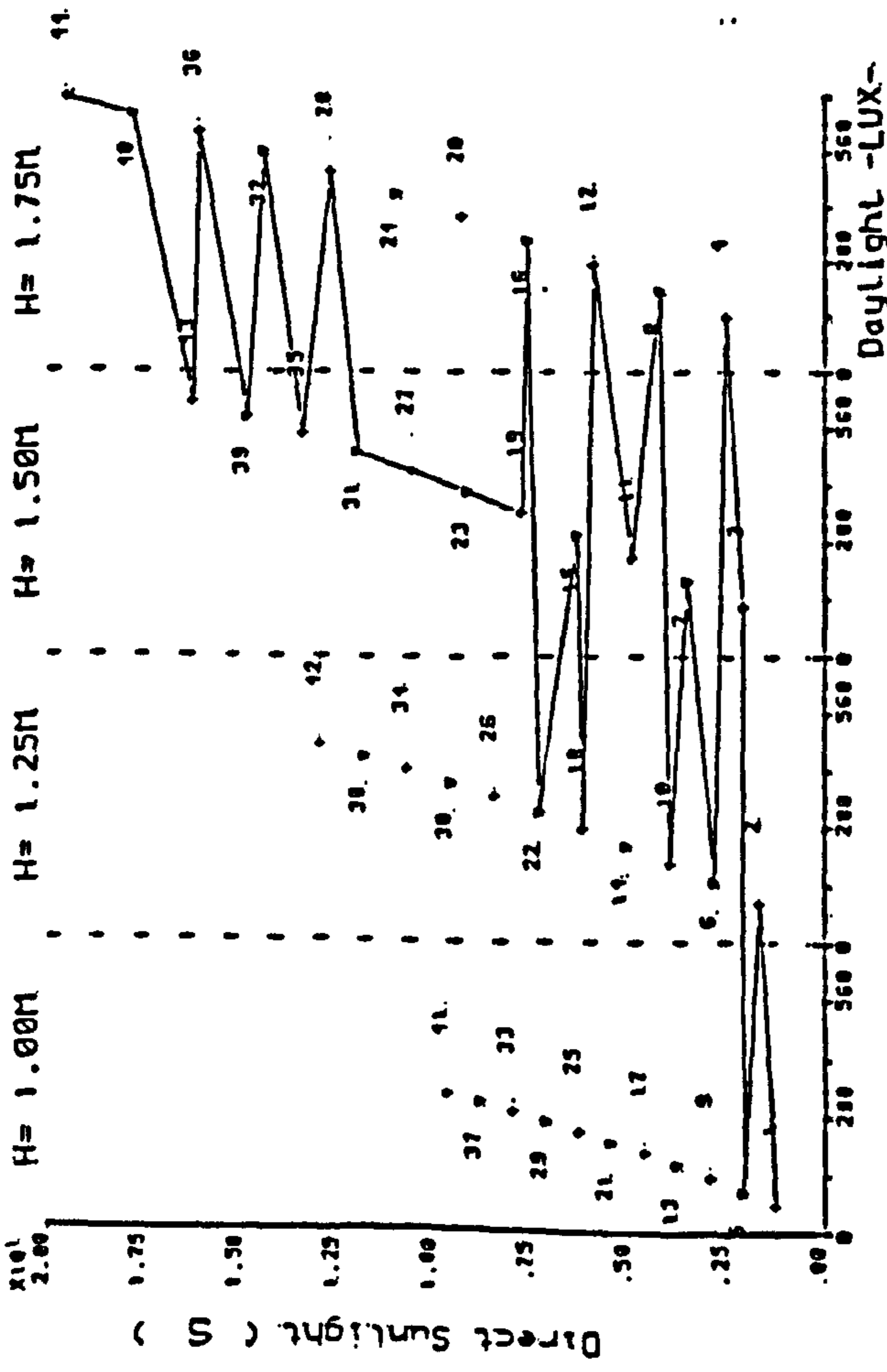
INTERHOUSE DISTANCE - 8M -

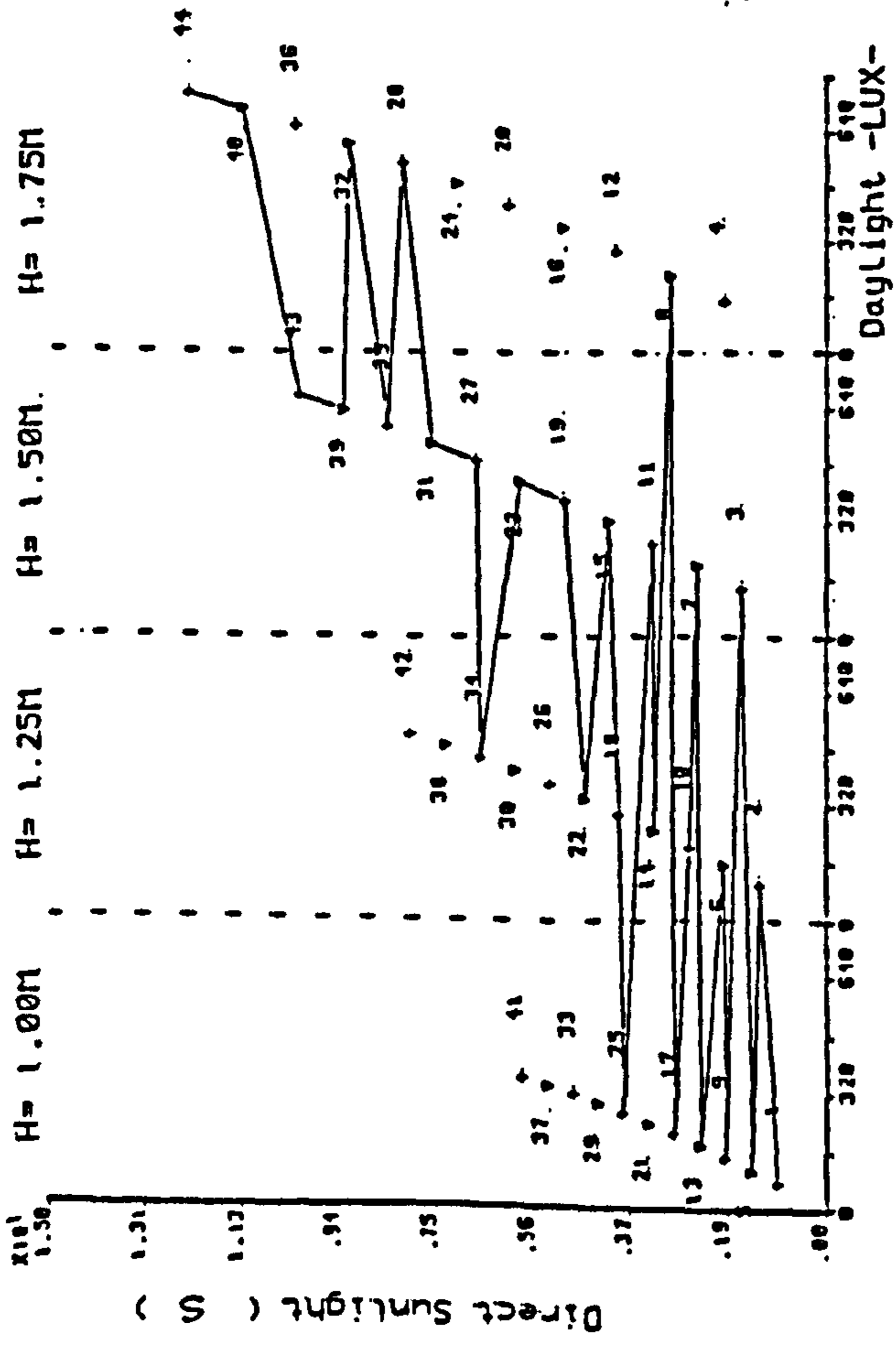




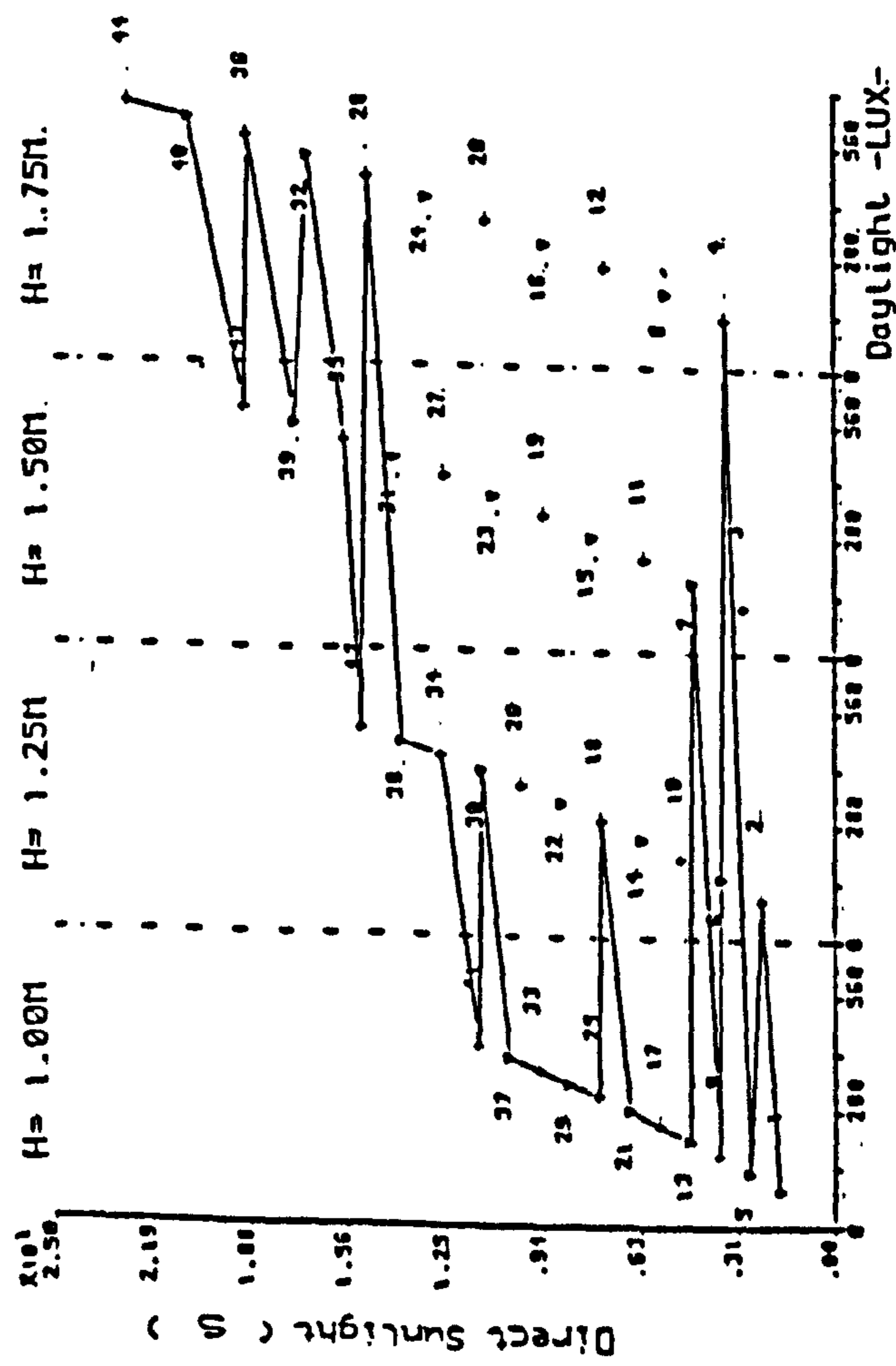




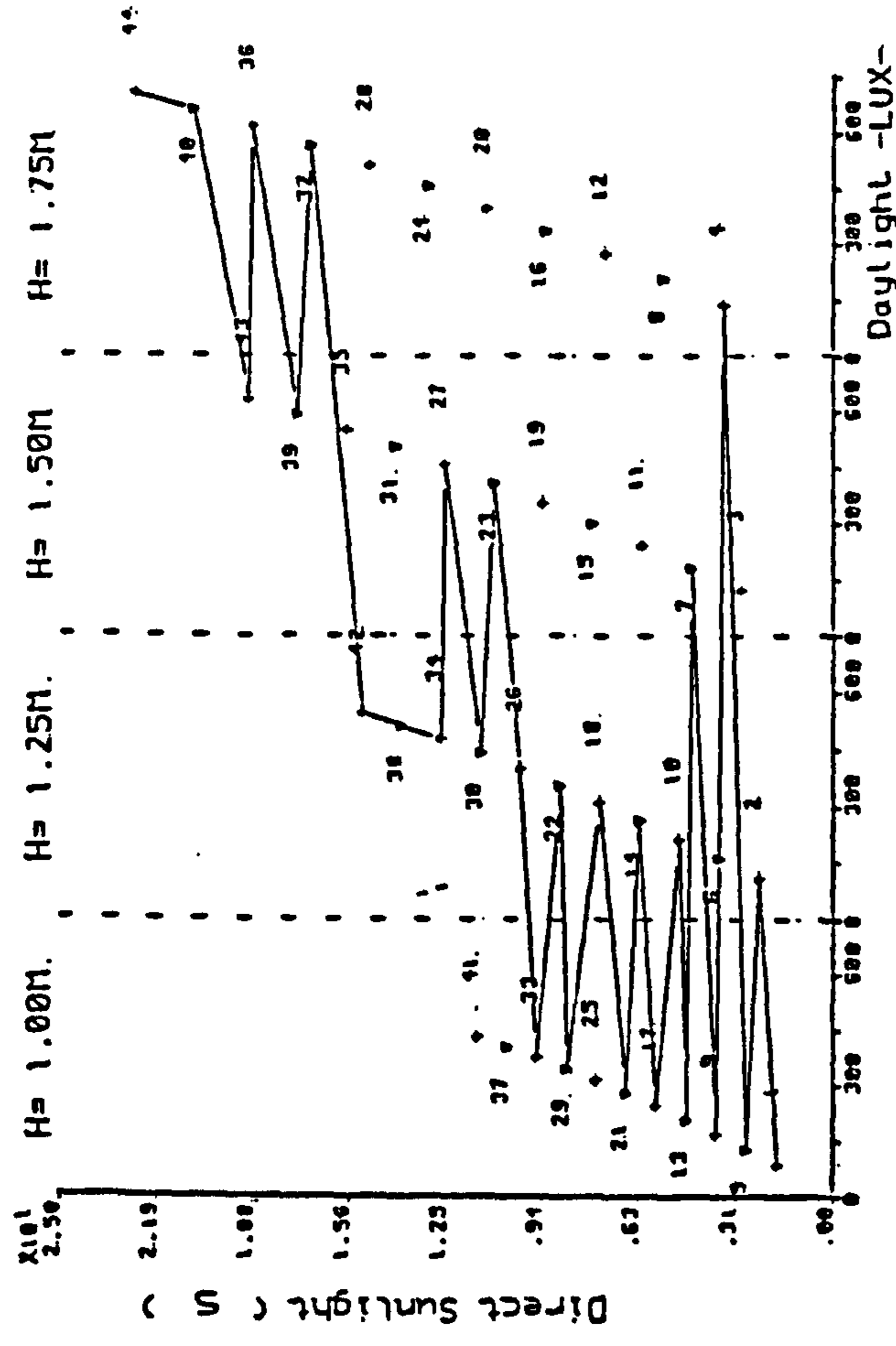




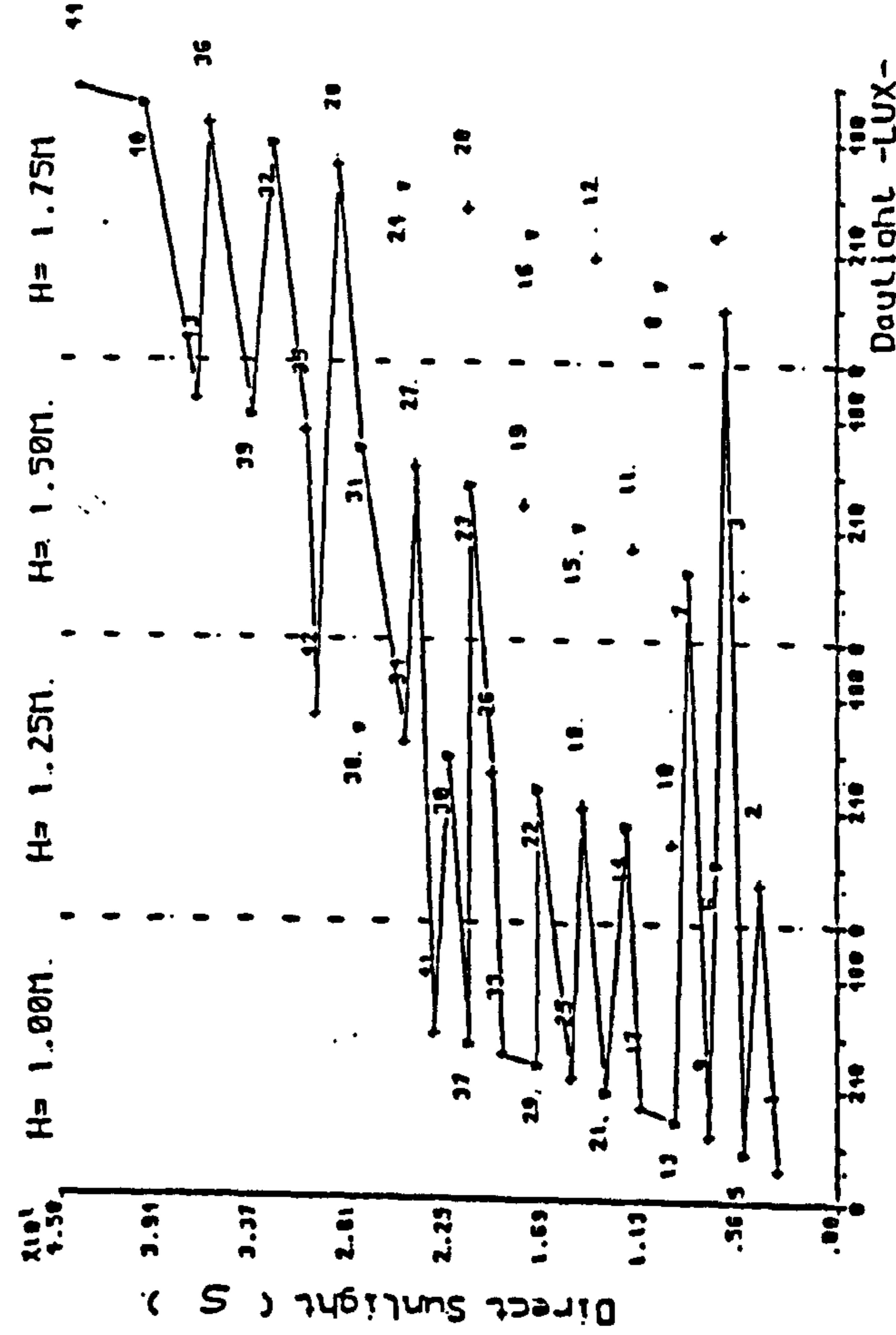
INTERHOUSE DISTANCE - 4M -



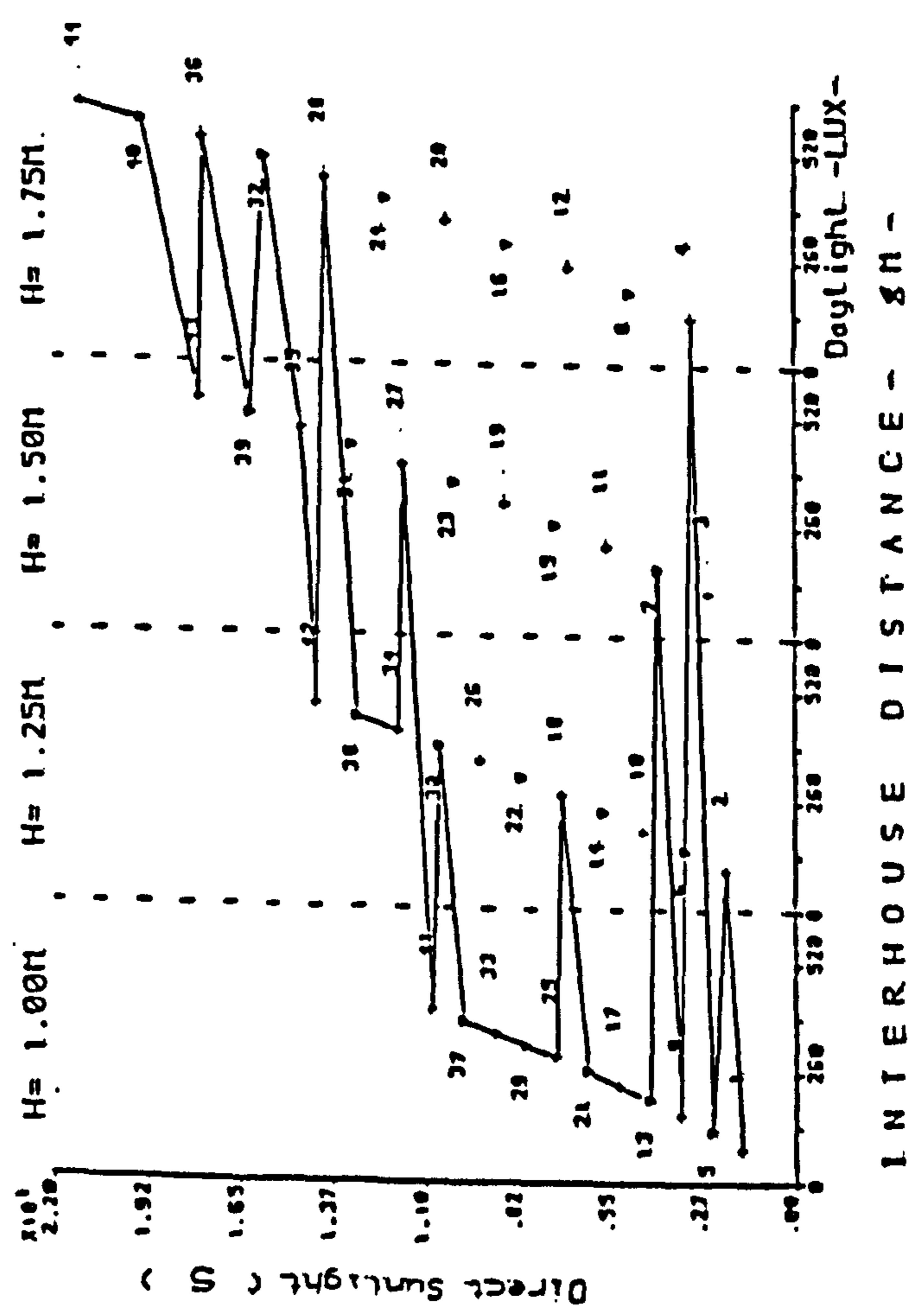
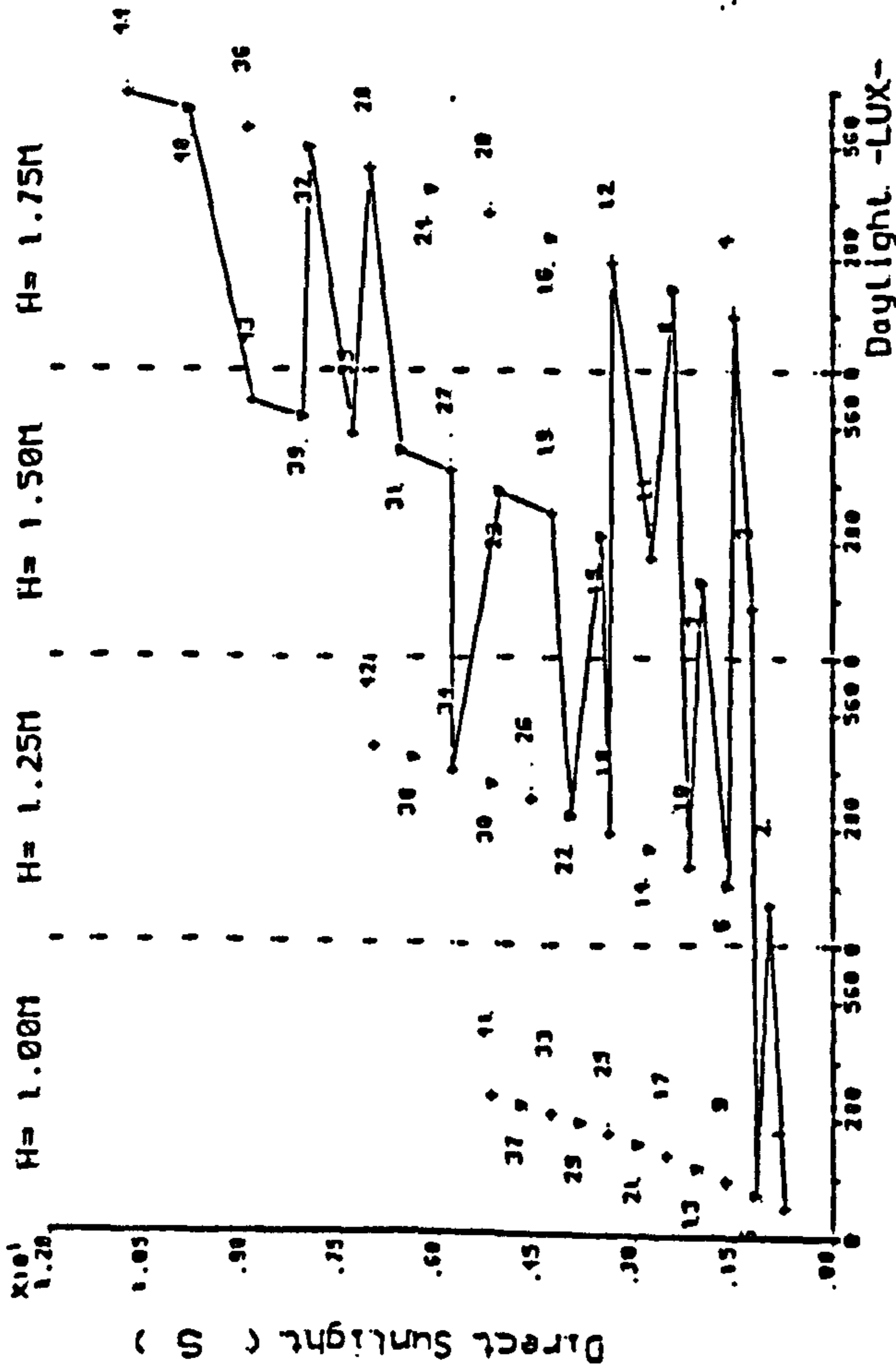
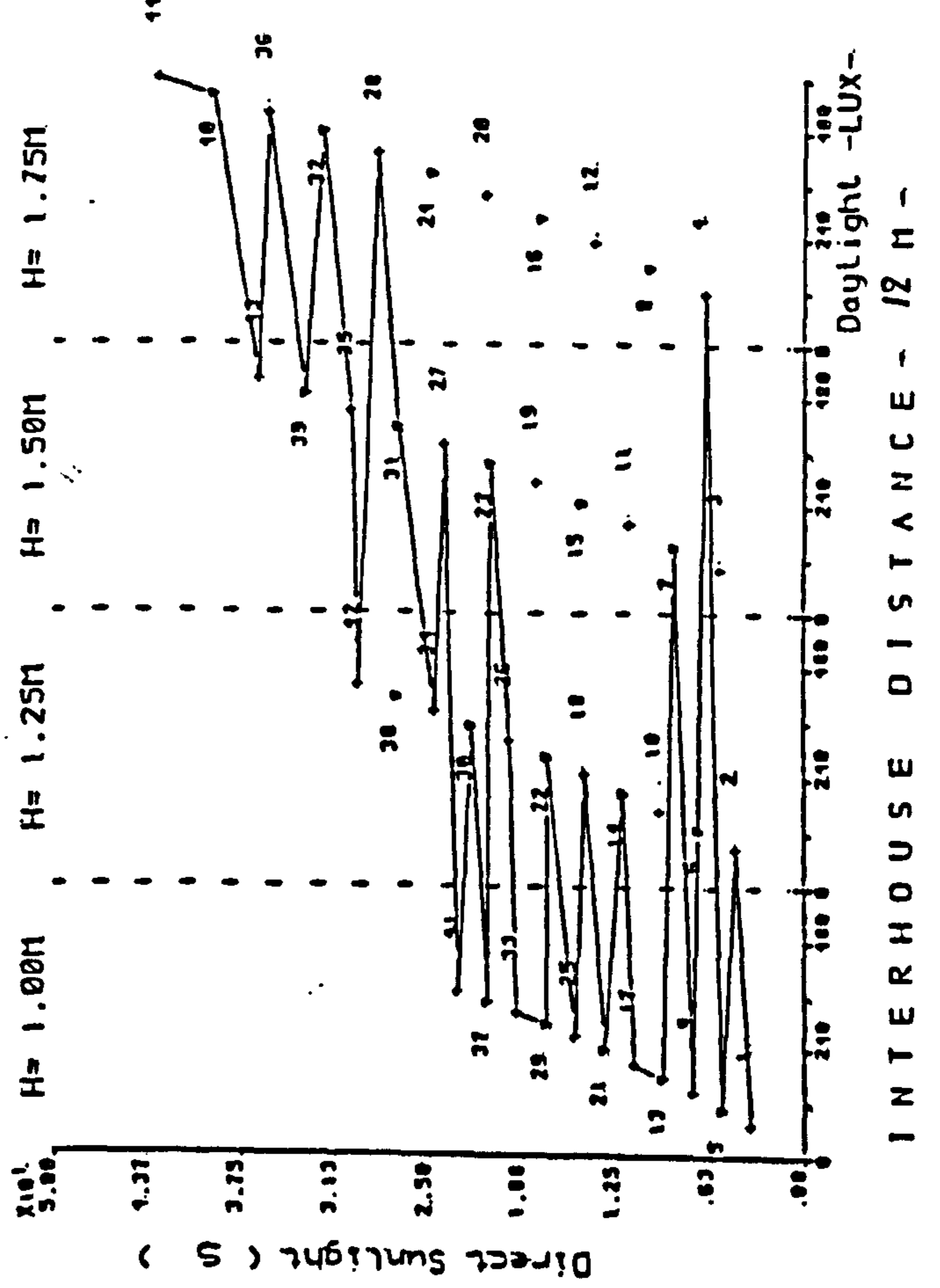
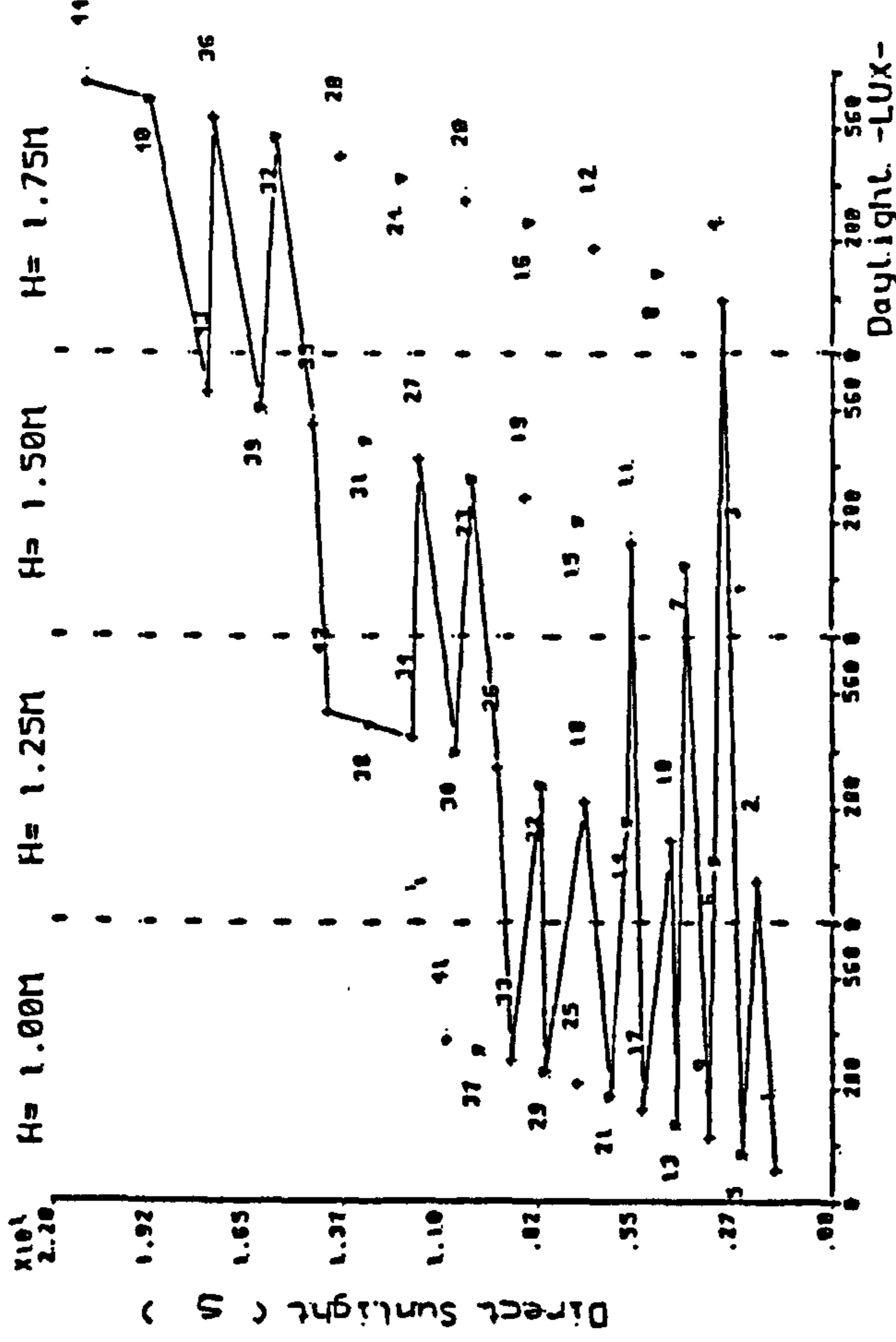
INTERHOUSE DISTANCE - 8M -



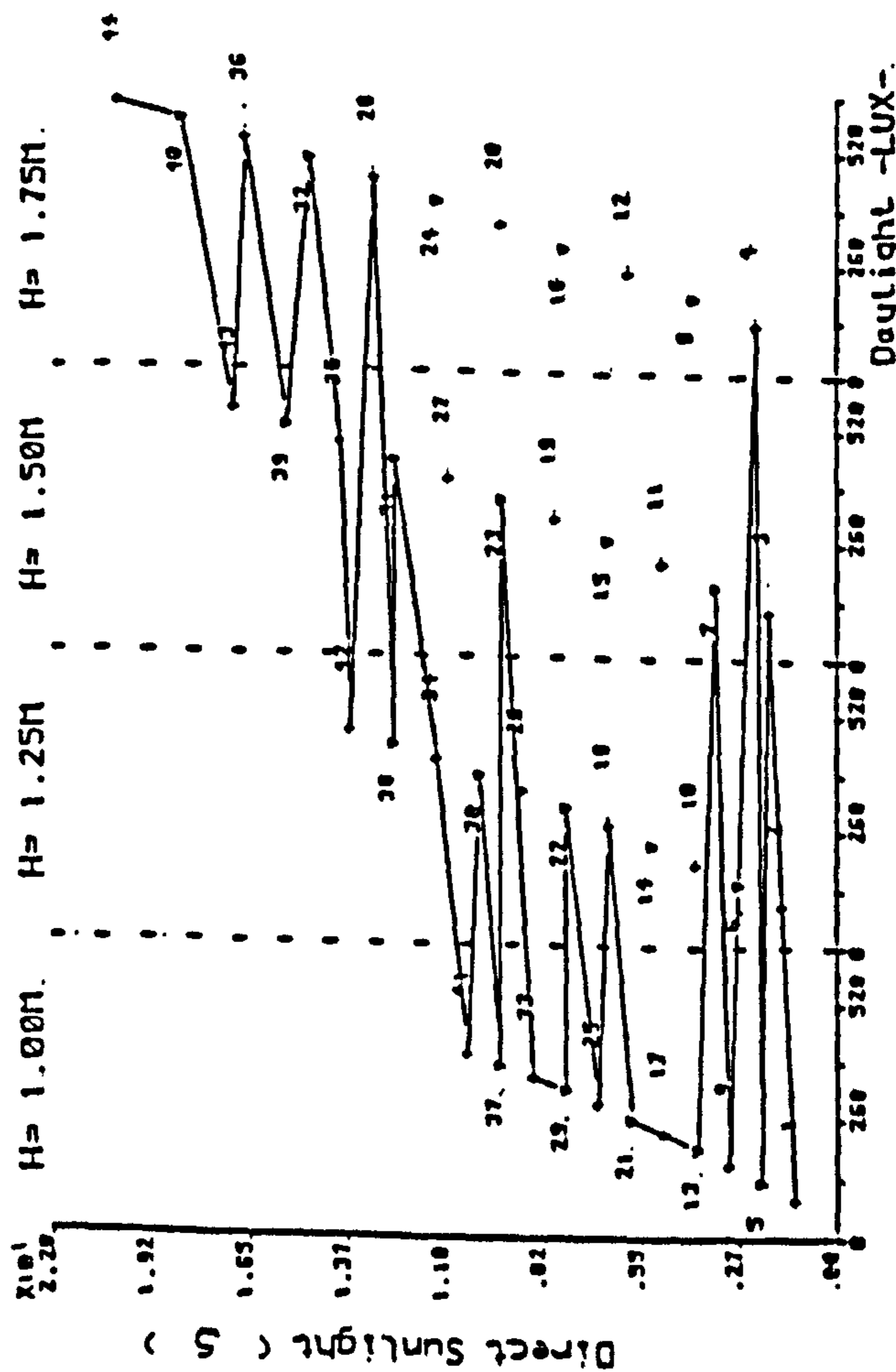
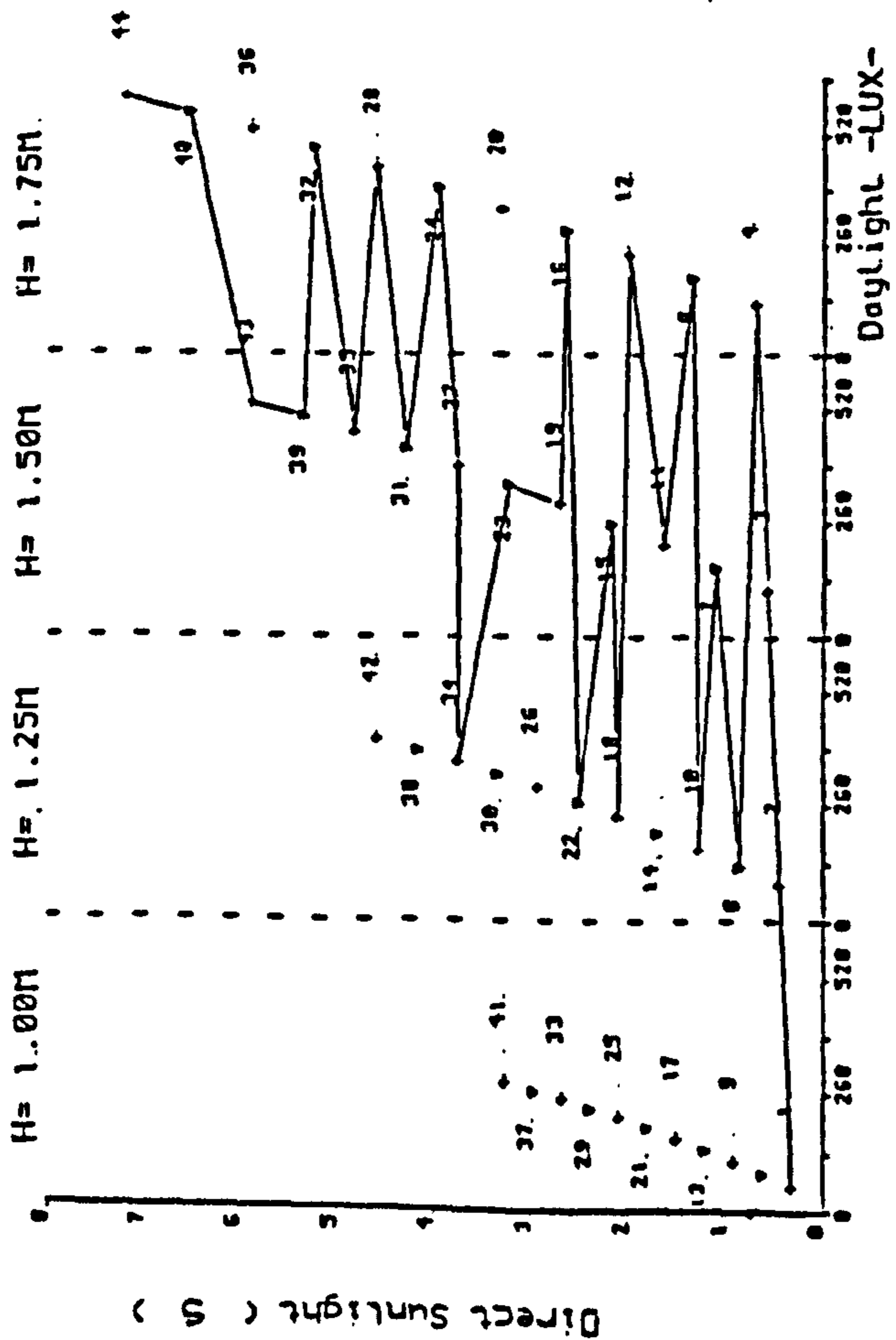
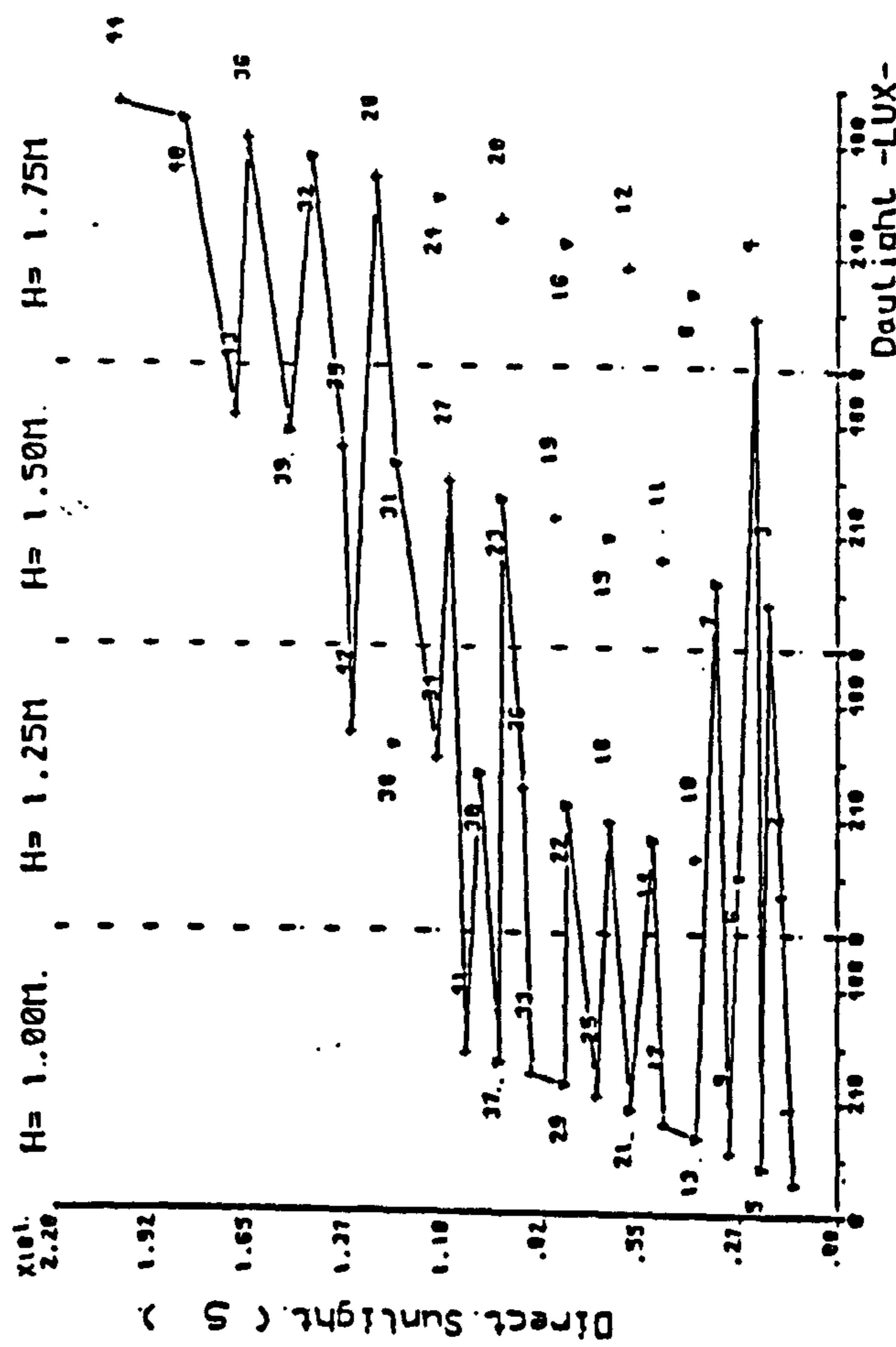
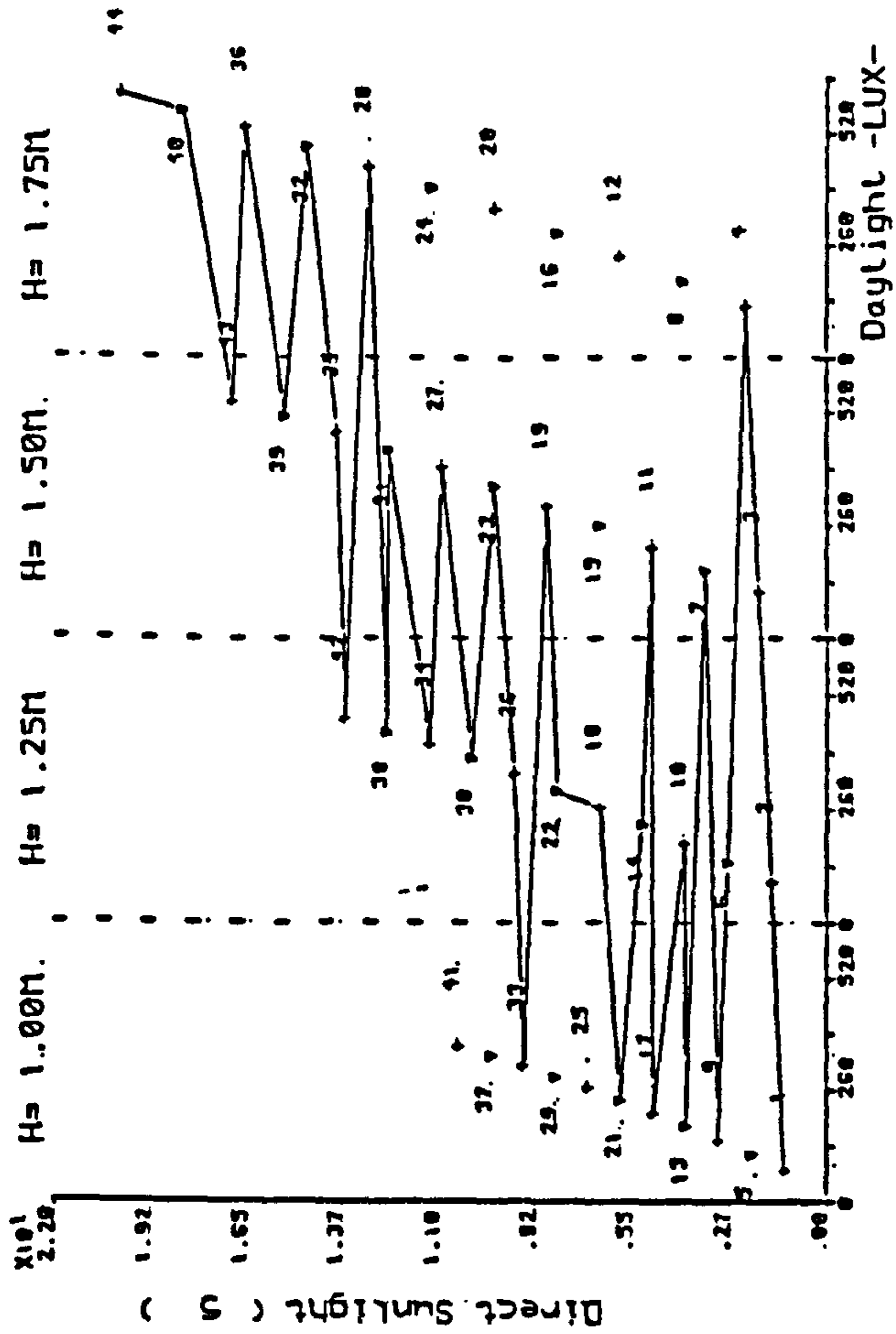
INTERHOUSE DISTANCE - 6M -



INTERHOUSE DISTANCE - 12M -



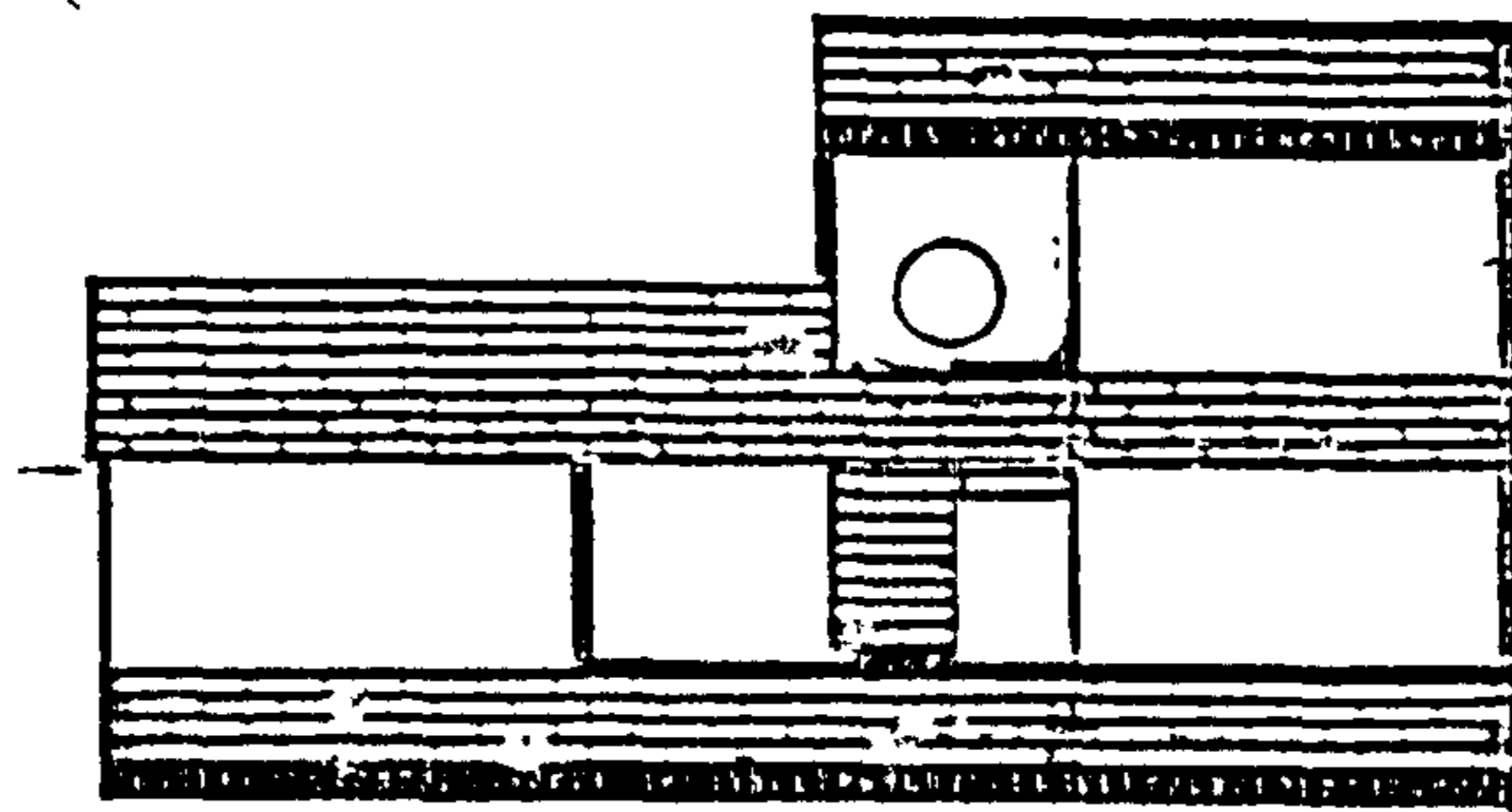








## Staircase

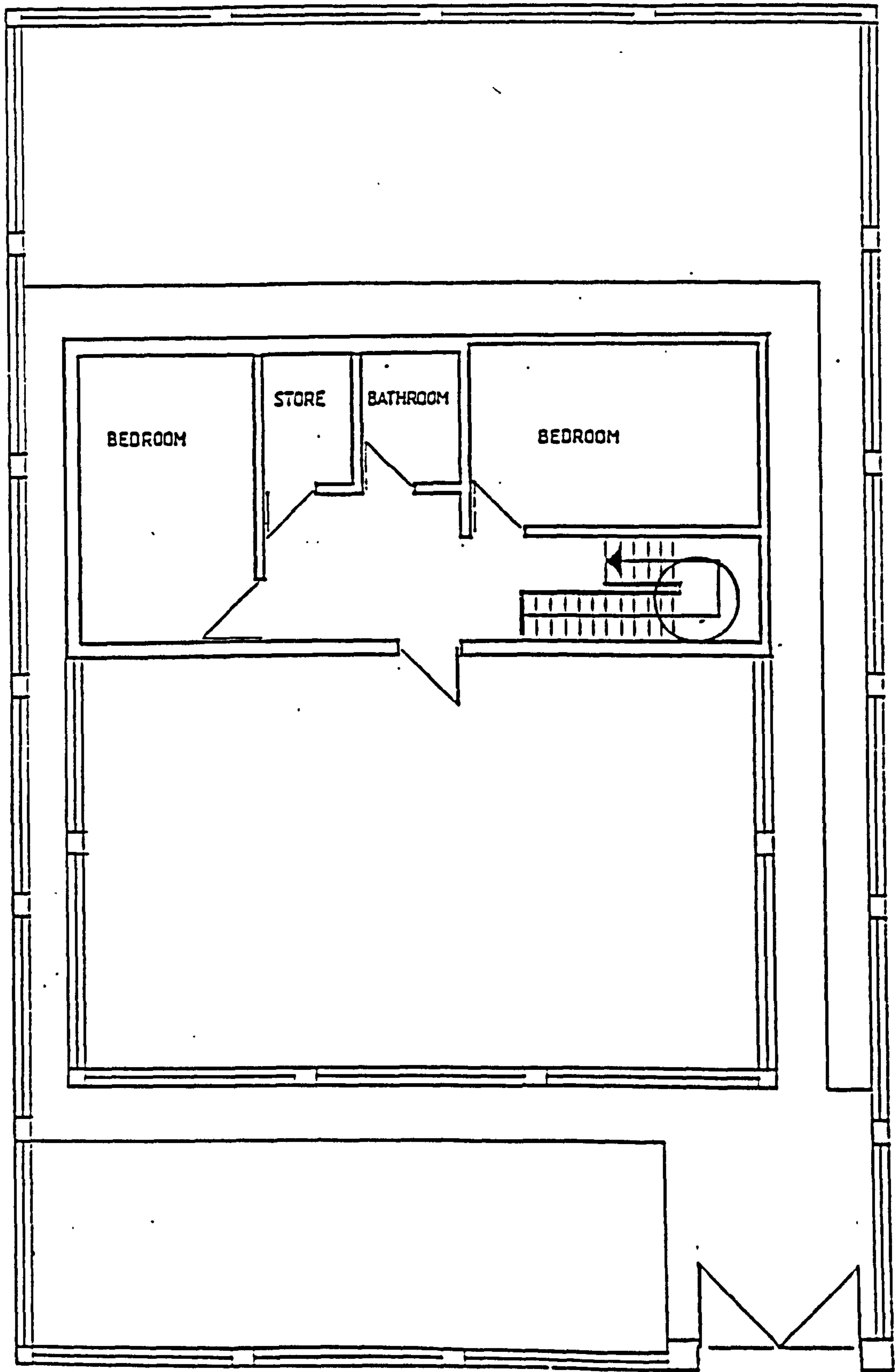


Key diagram showing the location  
of window data

Side Wall No. 4  
1 1/2 Storey

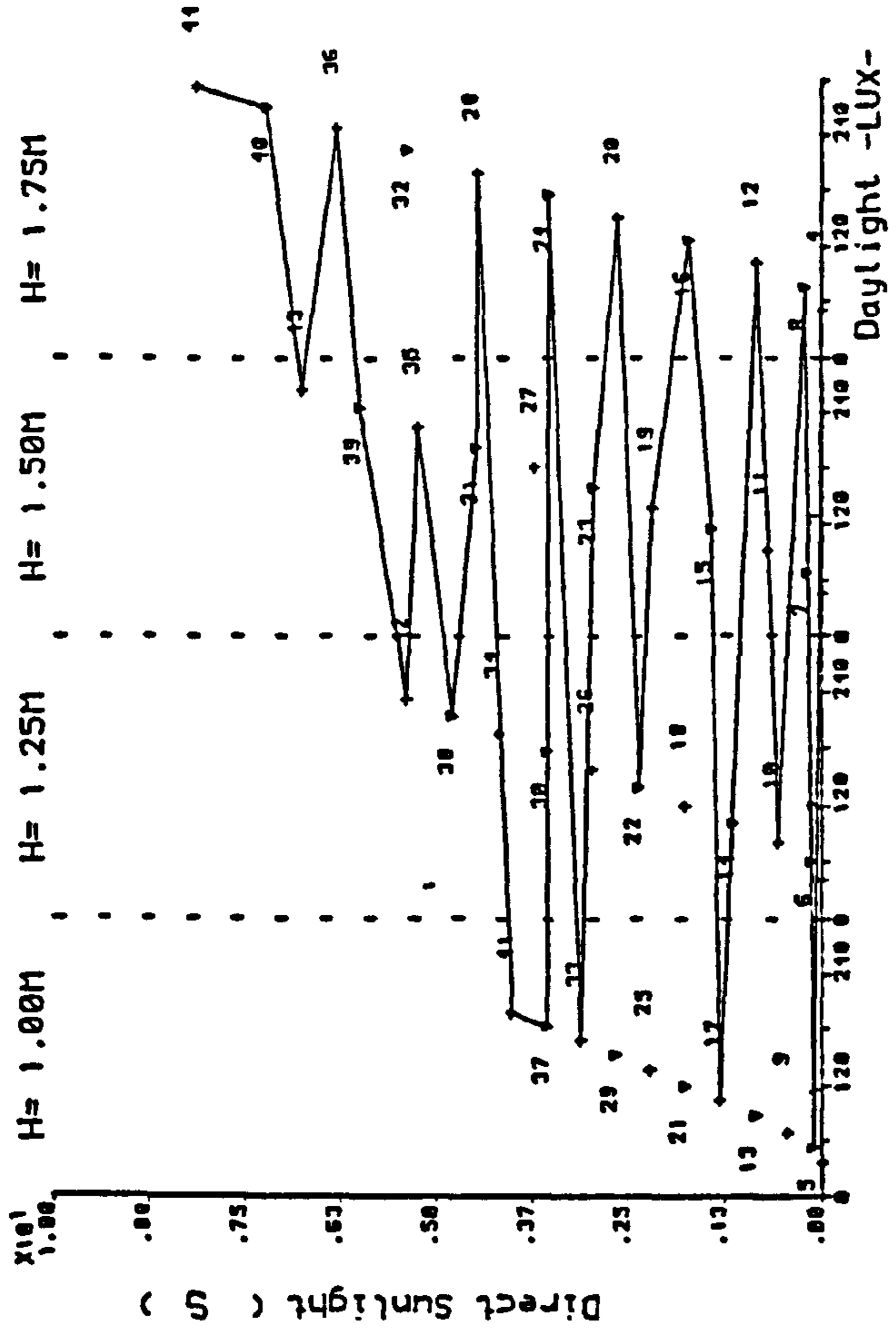
Interhouse Distance  
1, 2, 3 and 4m.

ORIENTATION	PAGE NO.
0.0	1662
22.5	1663
45	1664
67.5	1665
90	1666
112.5	1667
135	1668
157.5	1669
180	1670
202.5	1671
225	1672
247.5	1673
270	1674
292.5	1675
315	1676
337.5	1677

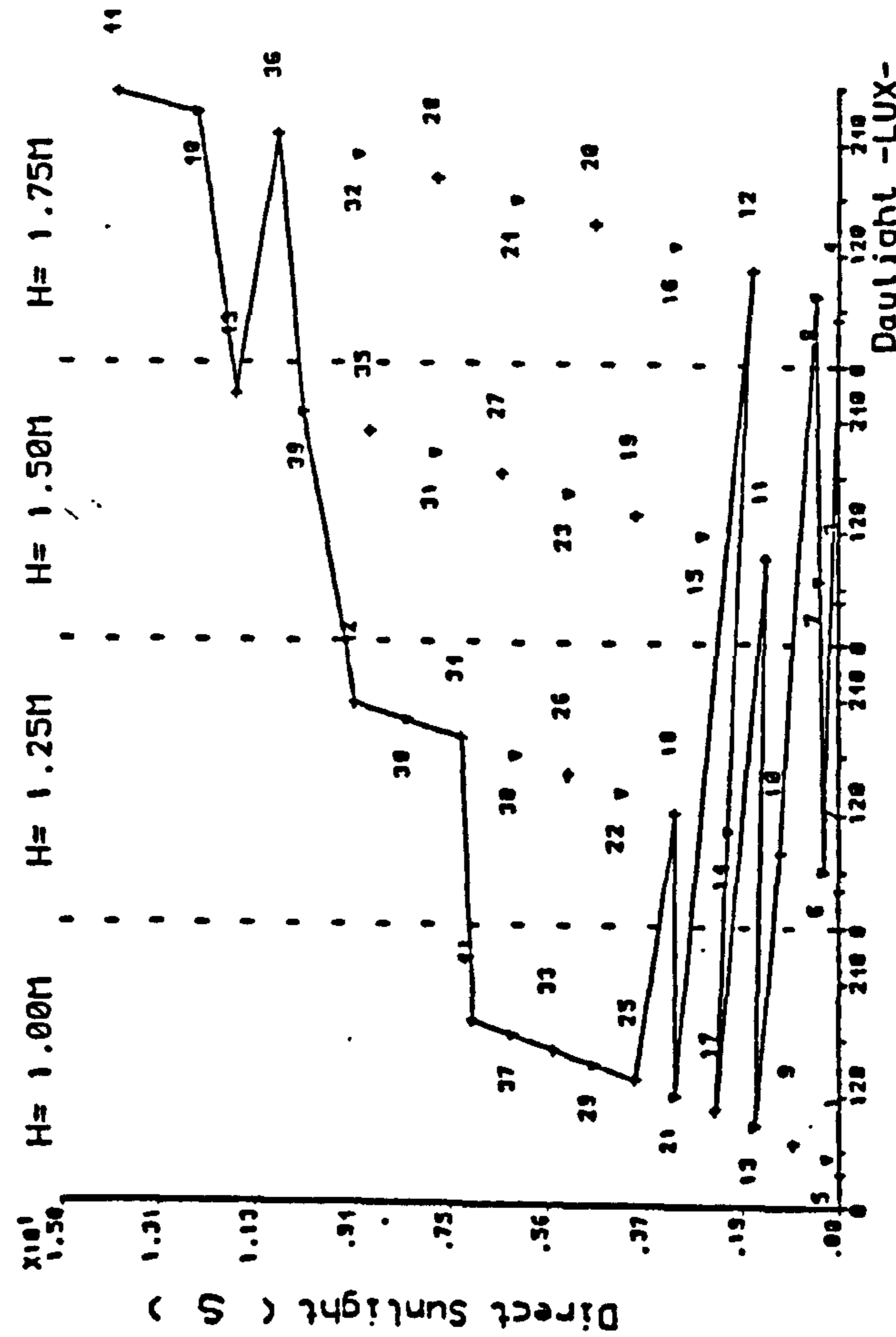


0.0 5m

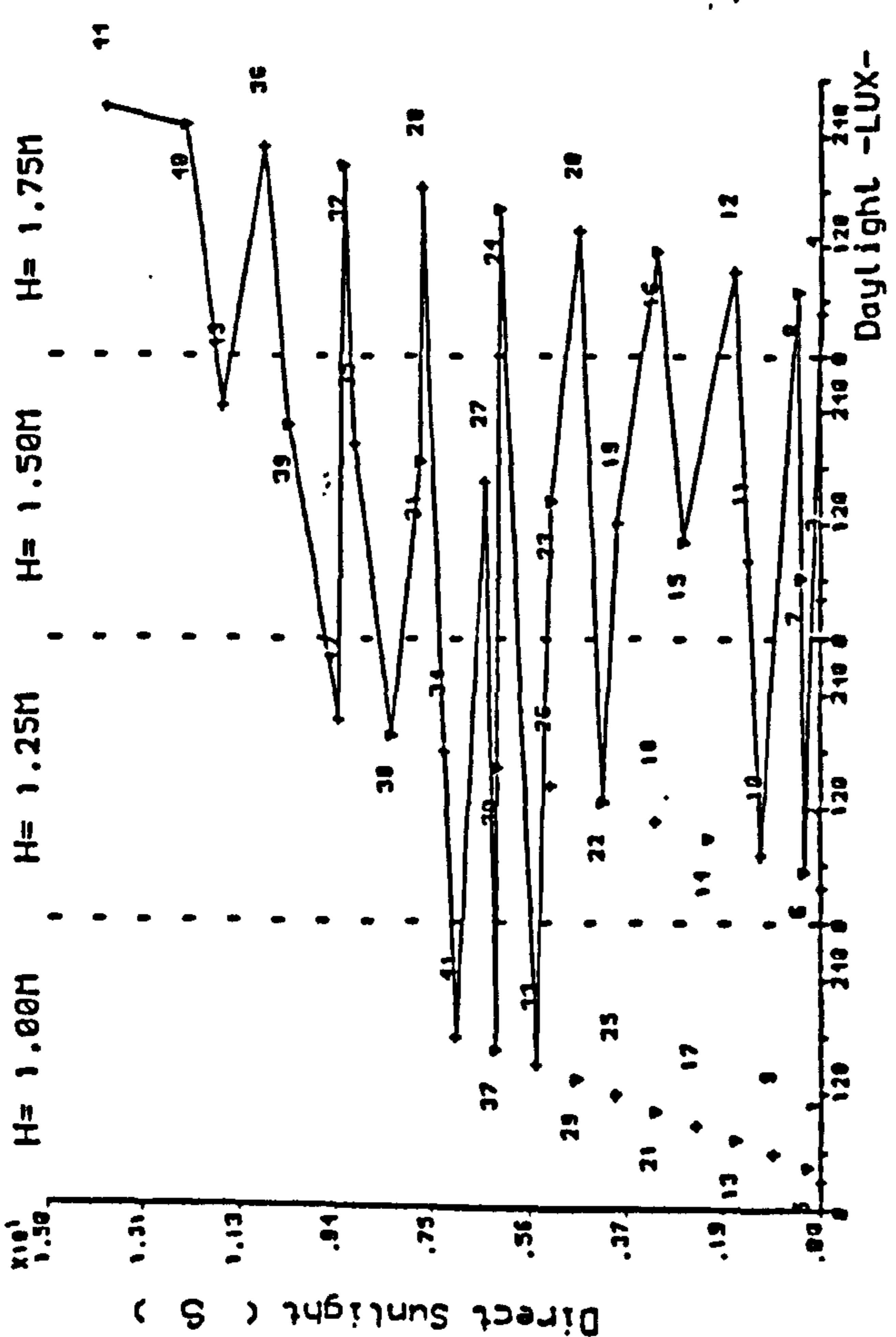
FIRST FLOOR PLAN



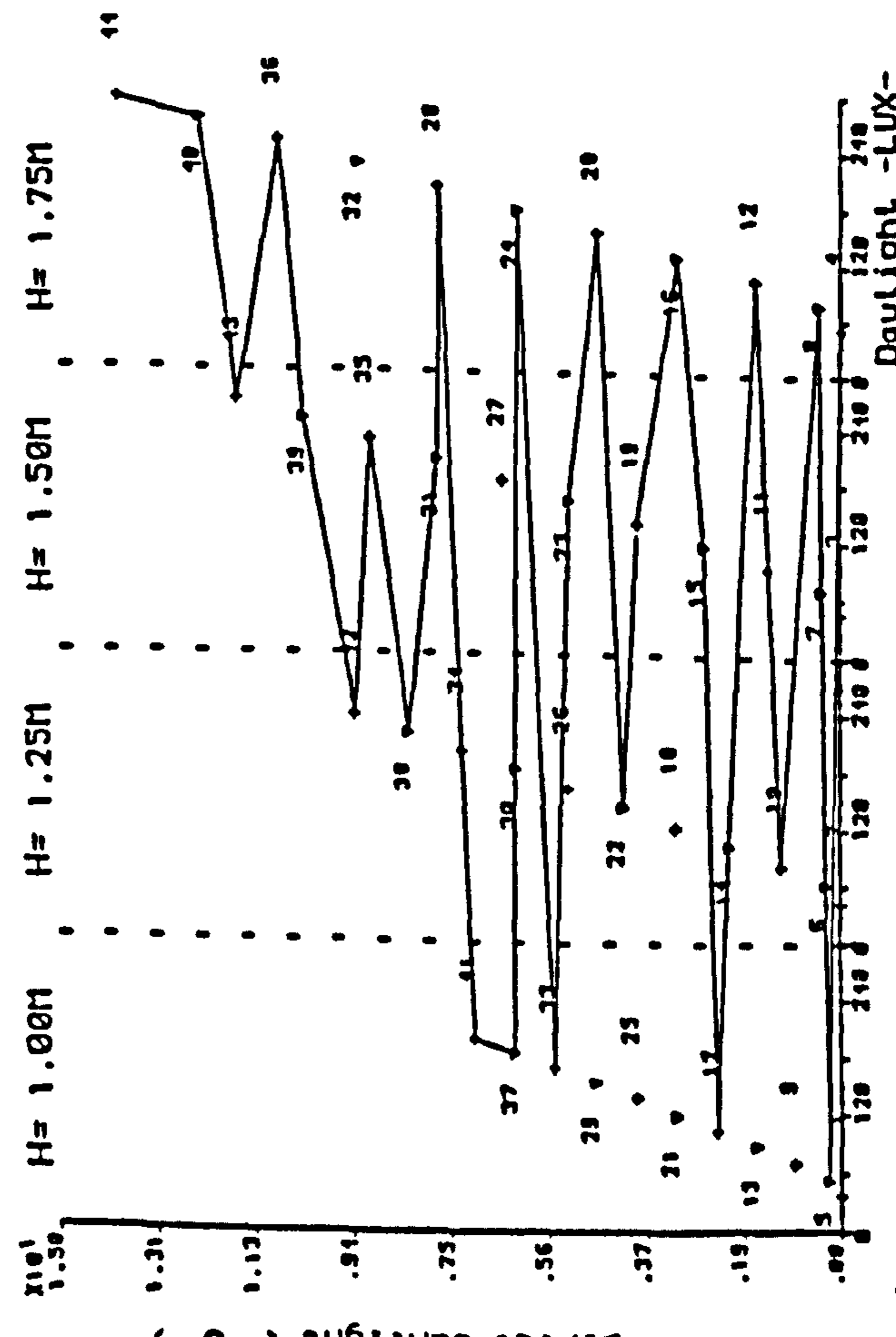
INTERHOUSE DISTANCE - 2.0 M -



INTERHOUSE DISTANCE - 1.0 M -

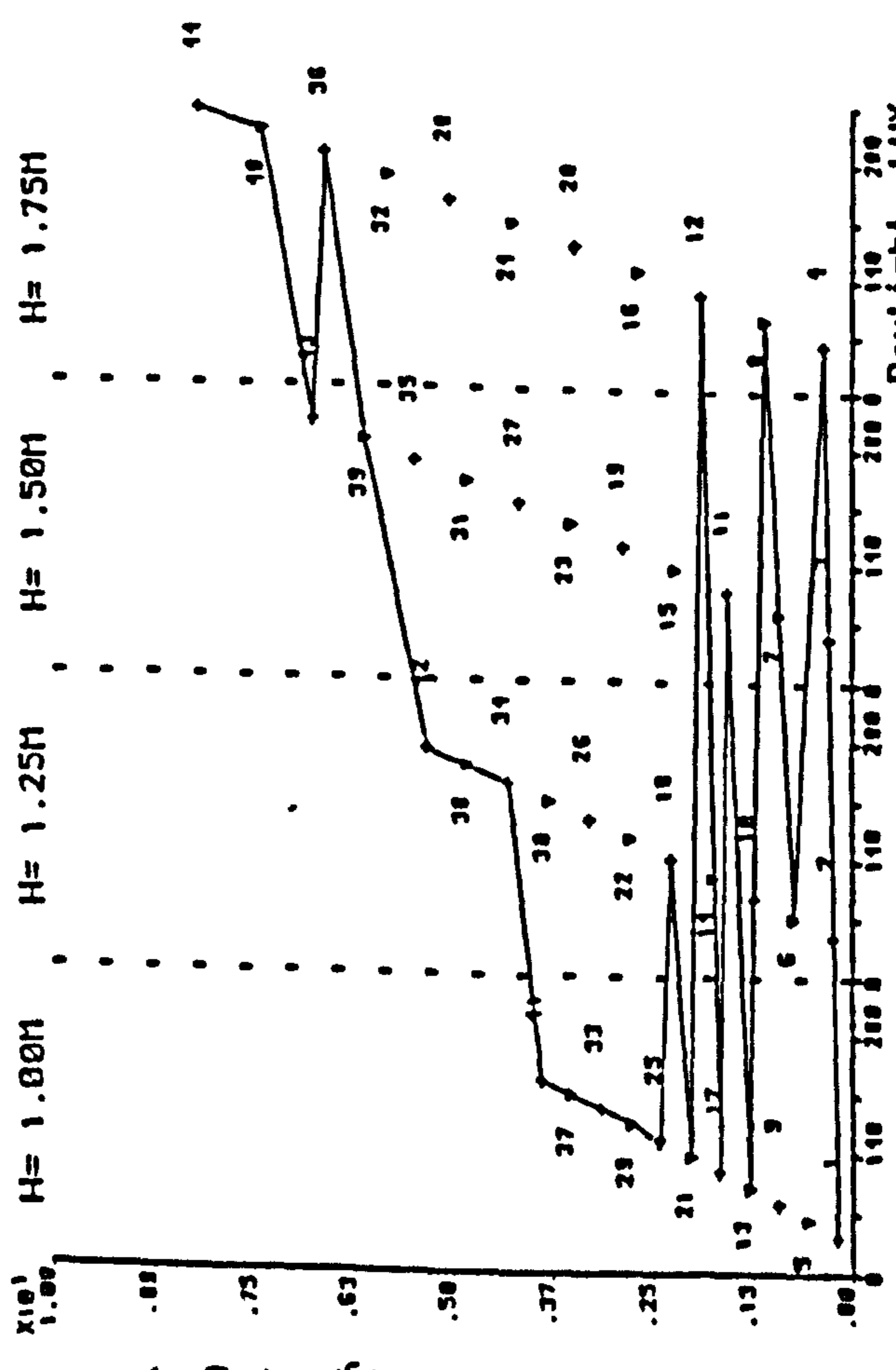
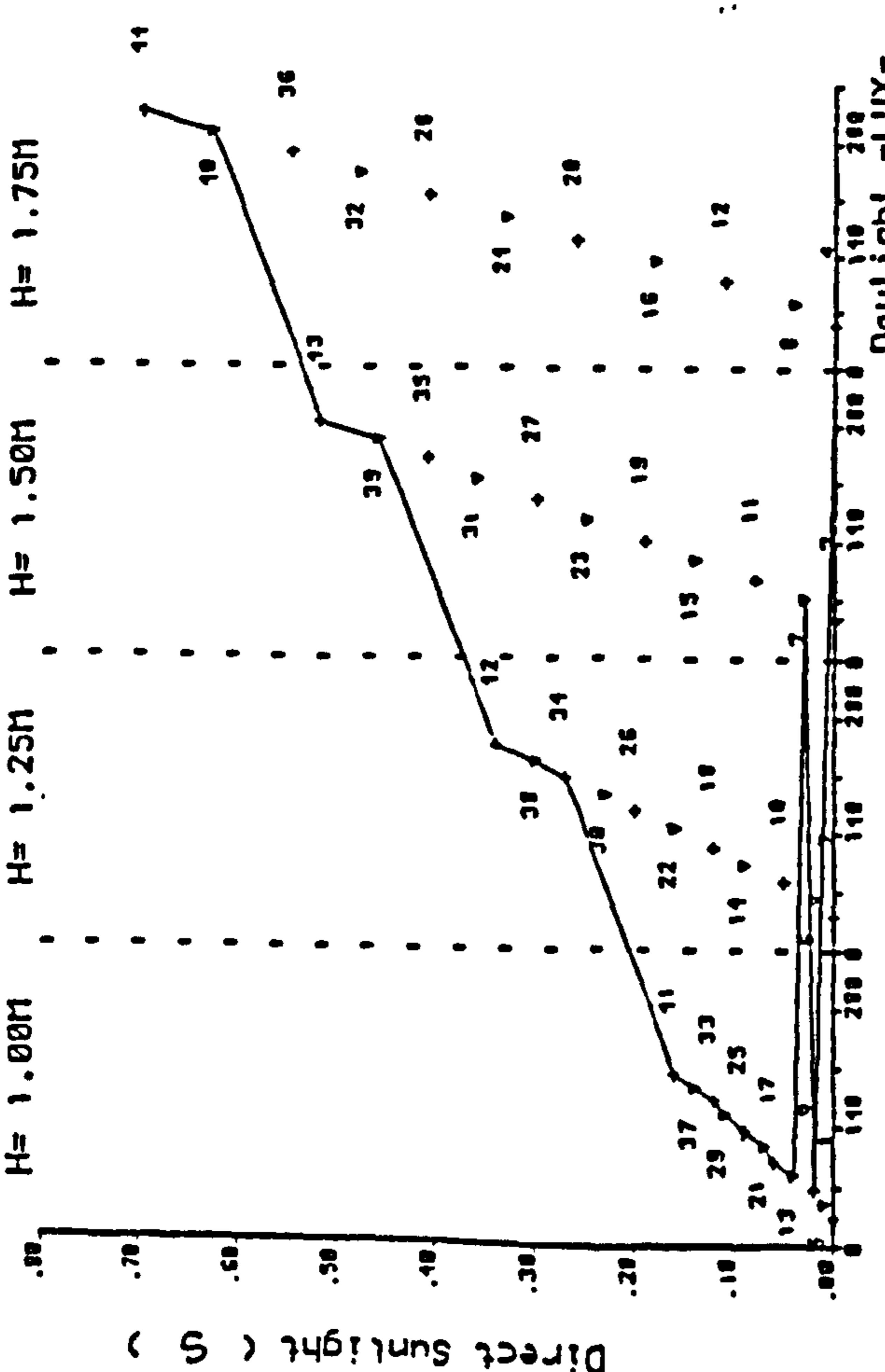
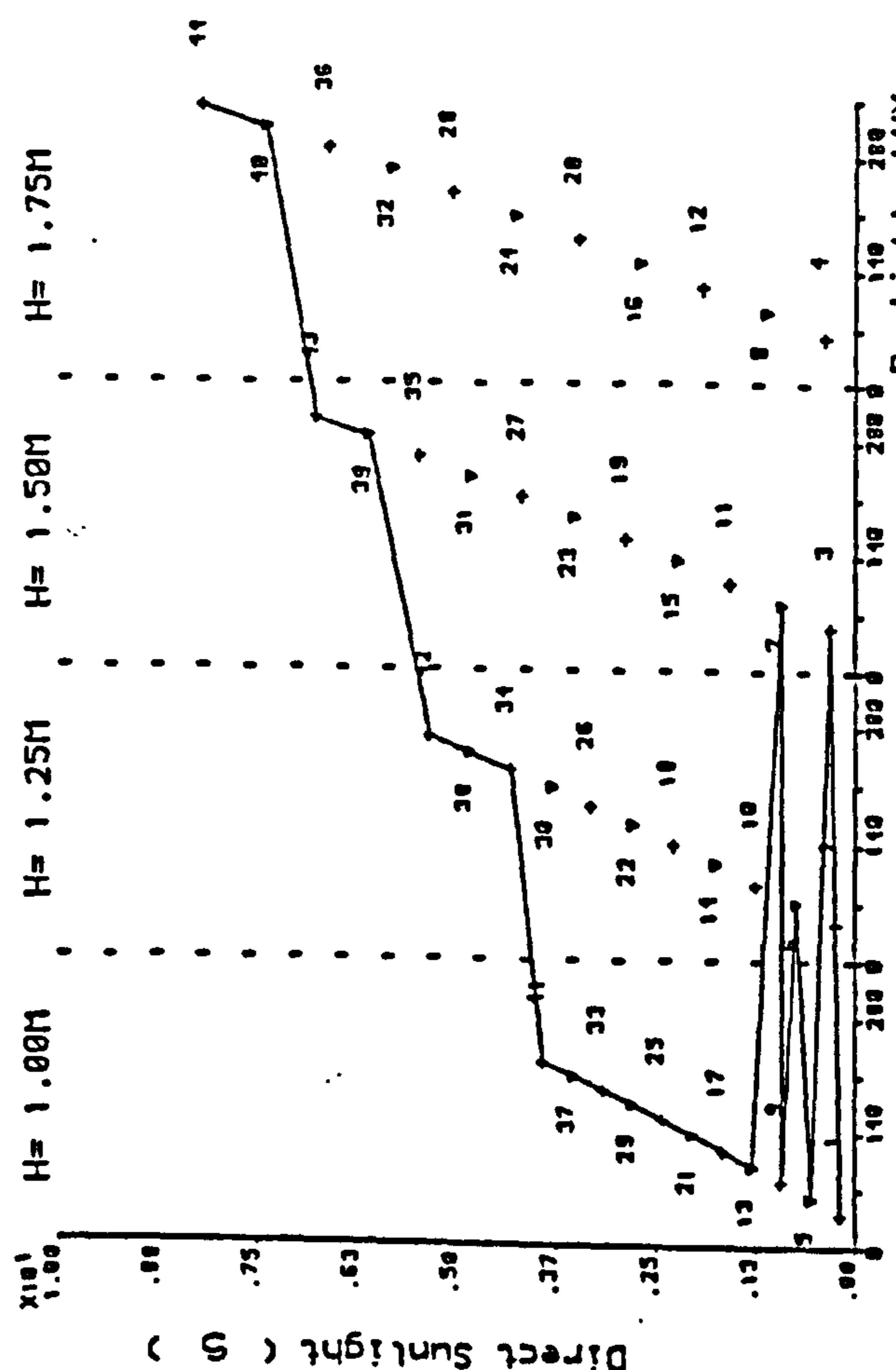
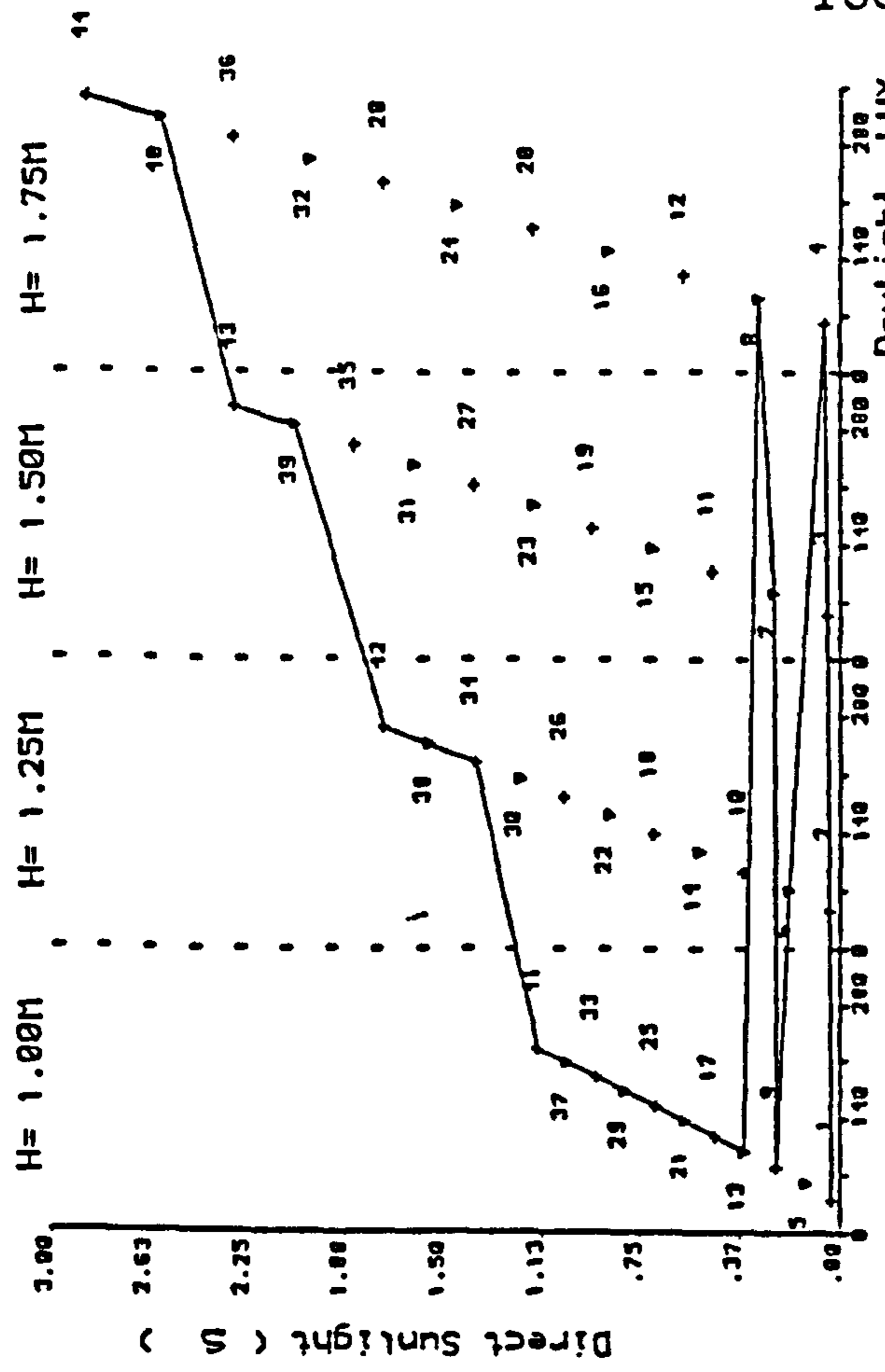


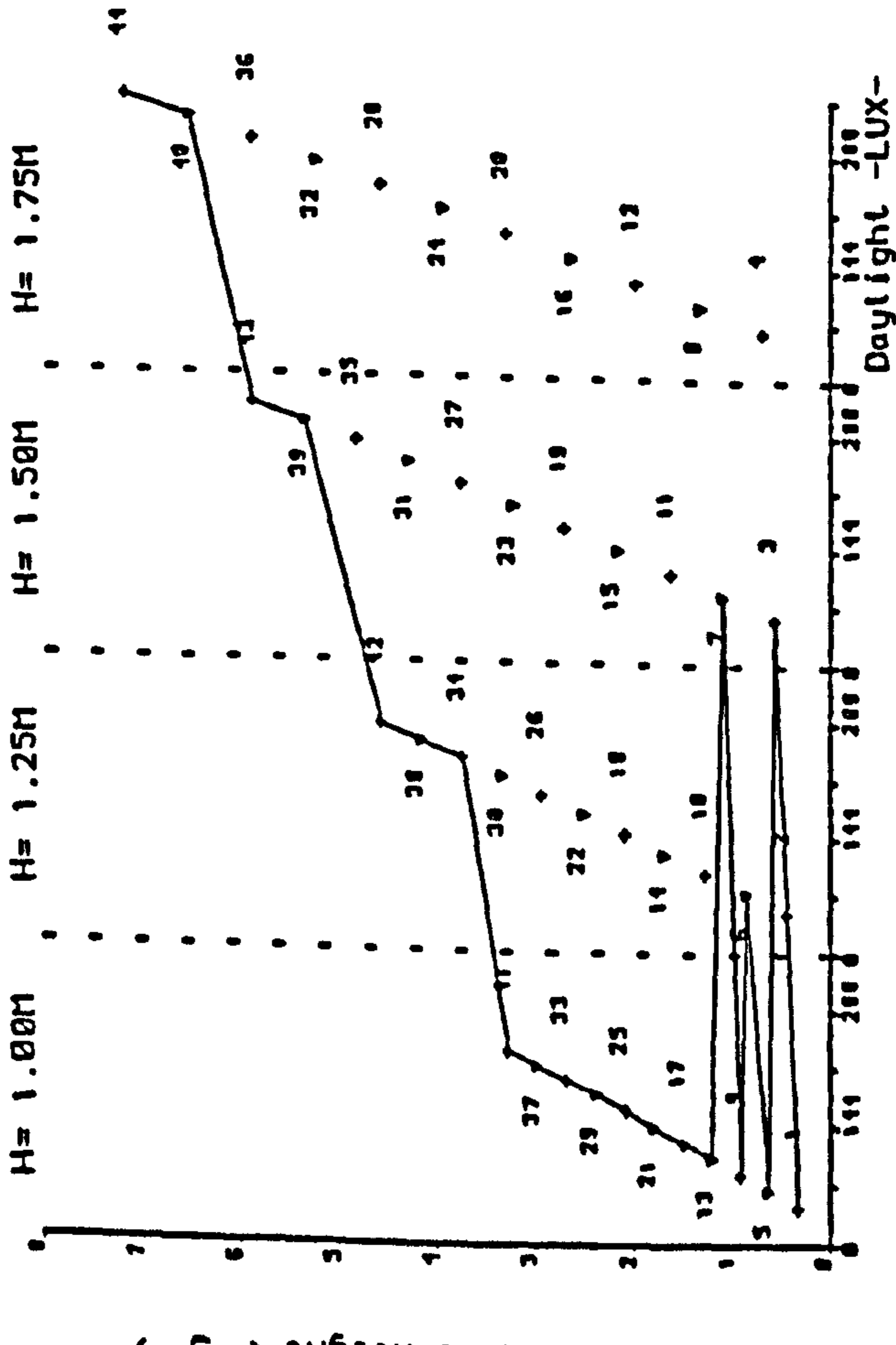
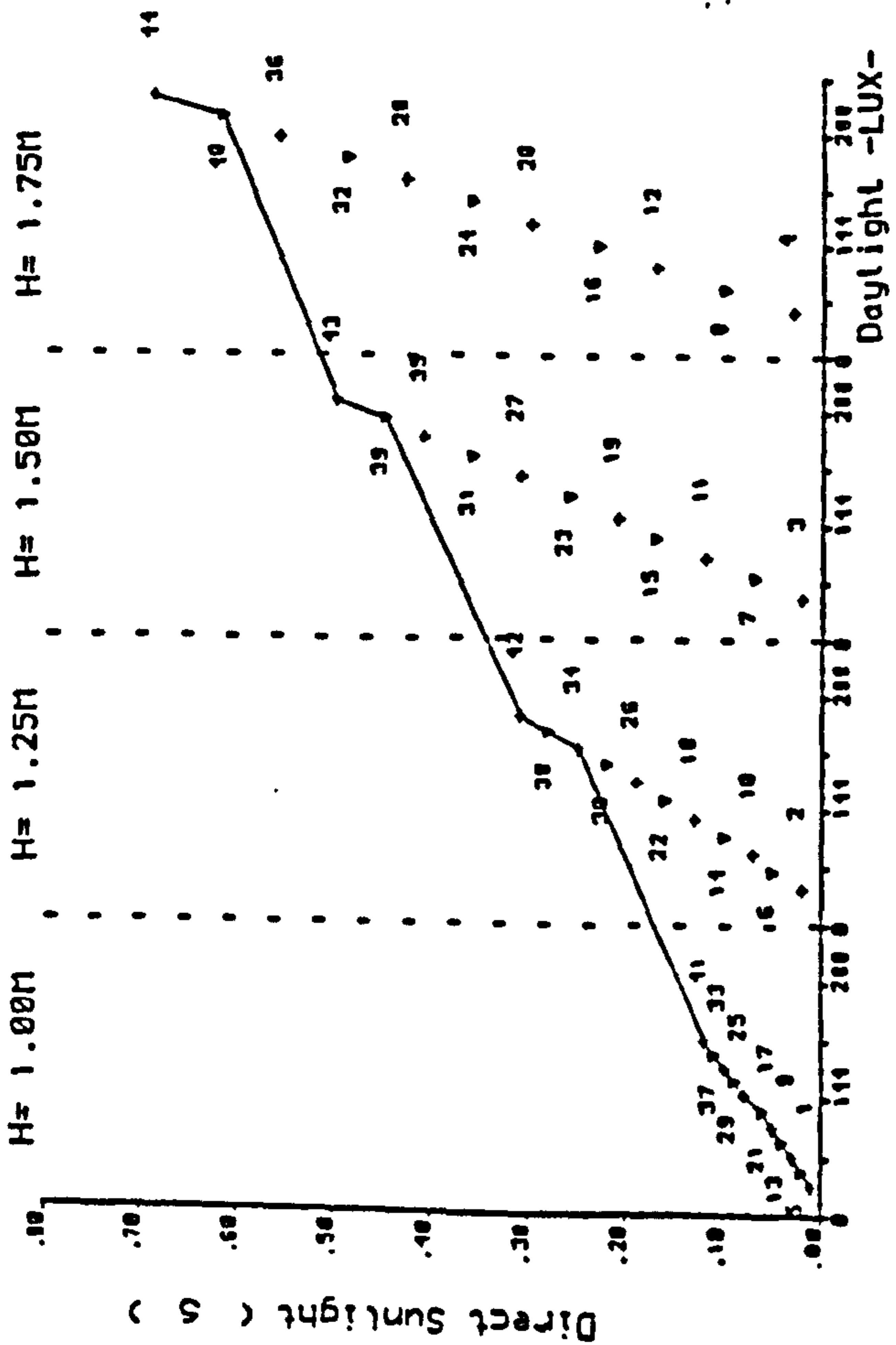
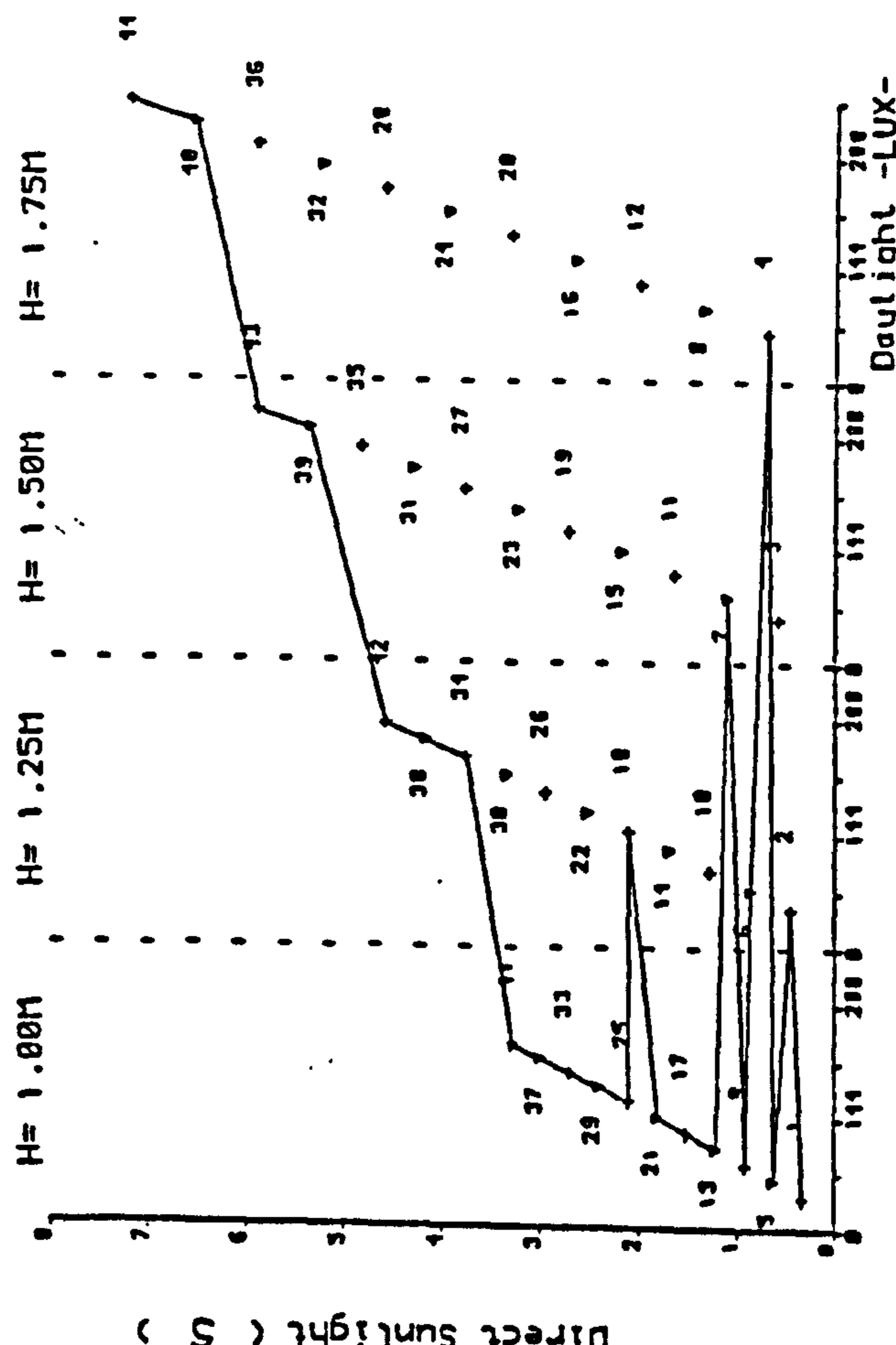
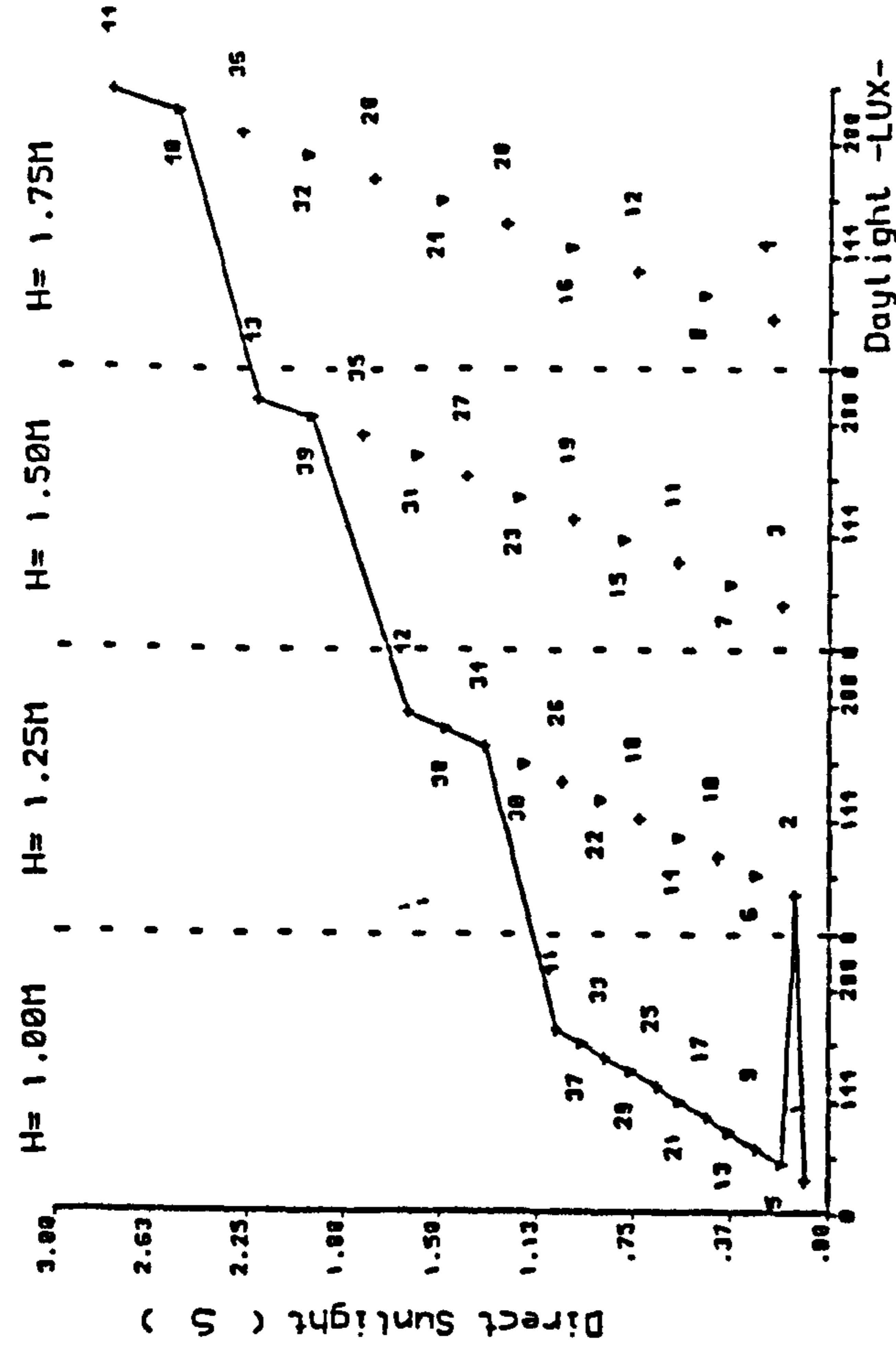
INTERHOUSE DISTANCE - 1.0 M -

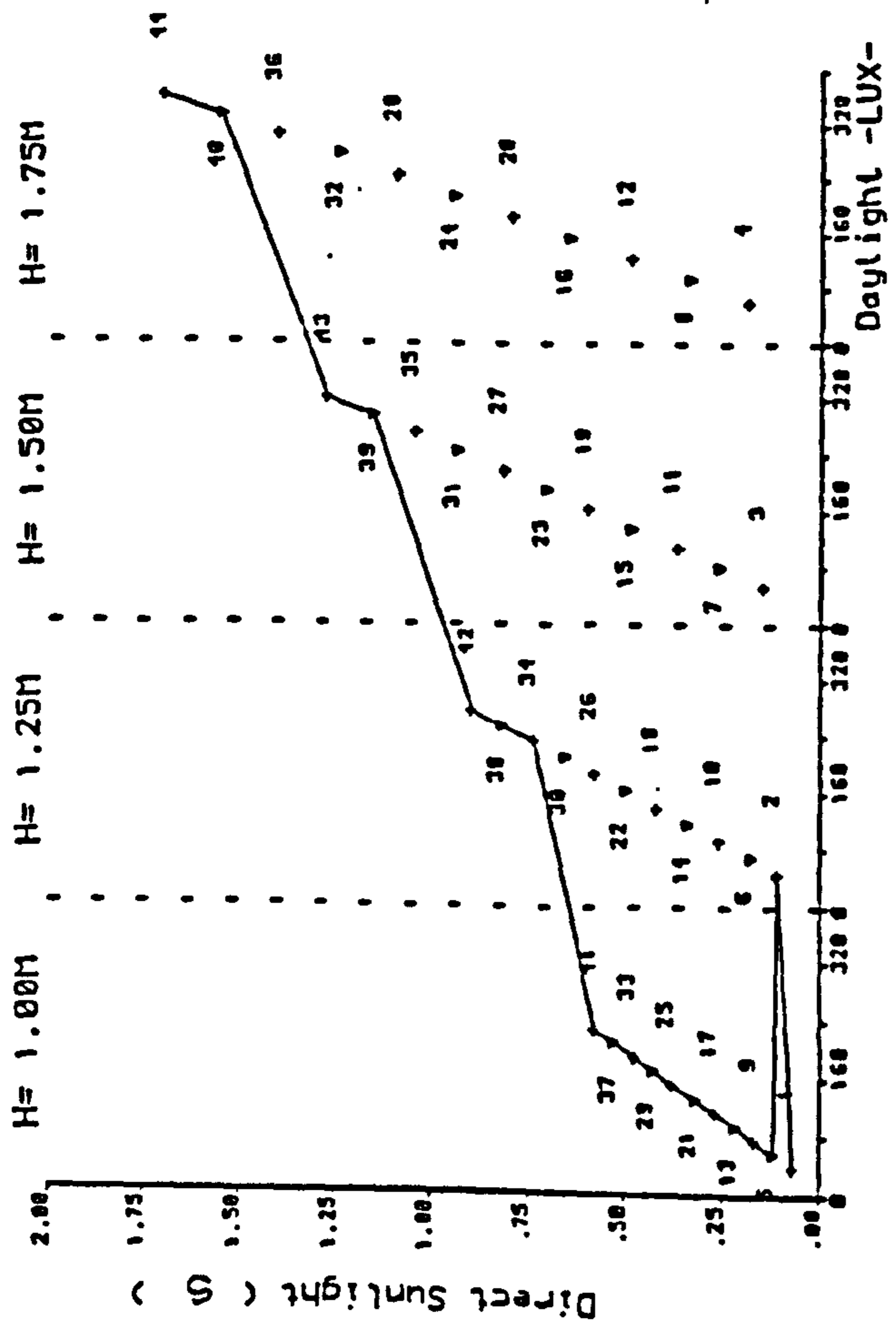


INTERHOUSE DISTANCE - 3.0 M -

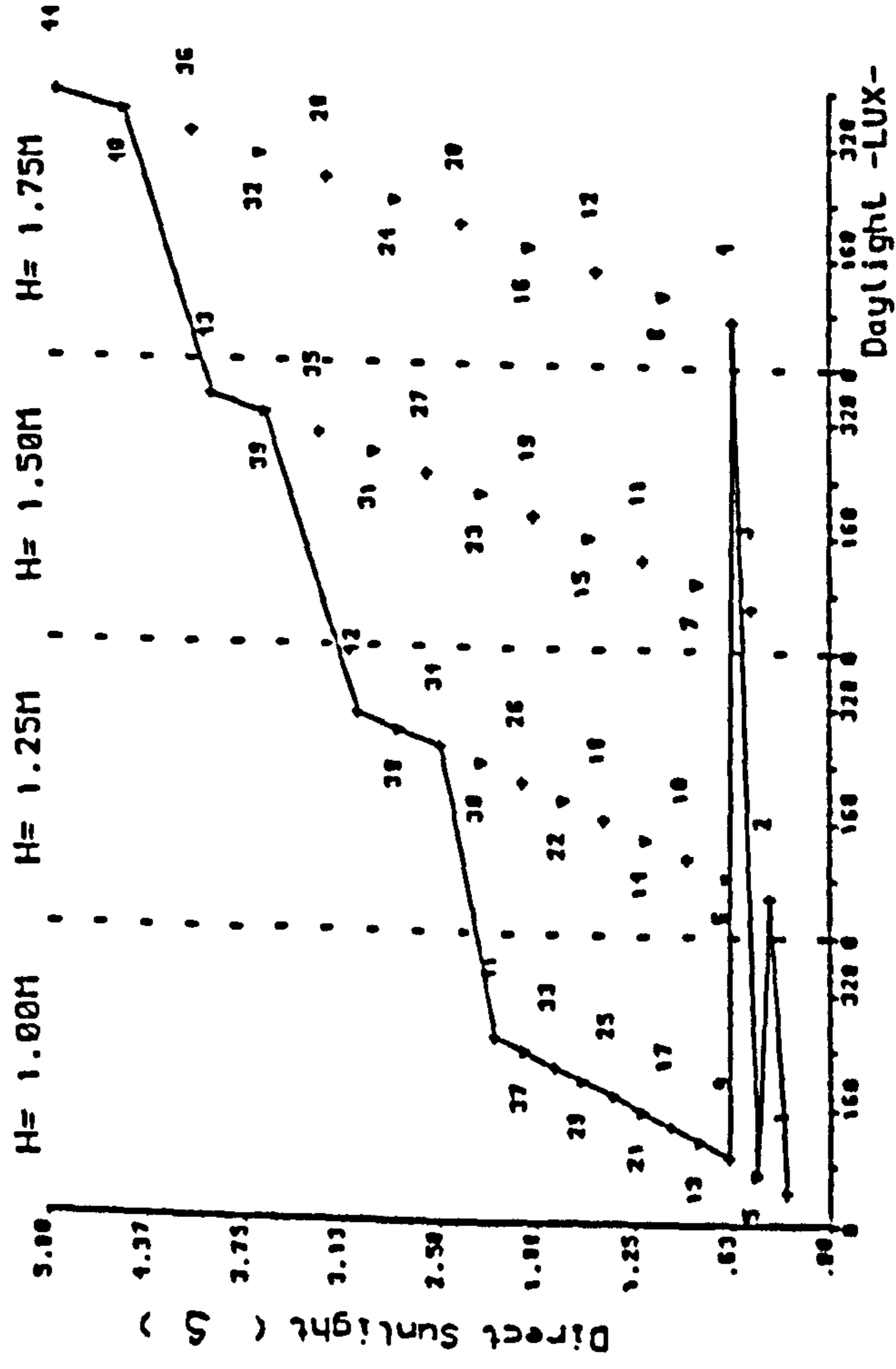




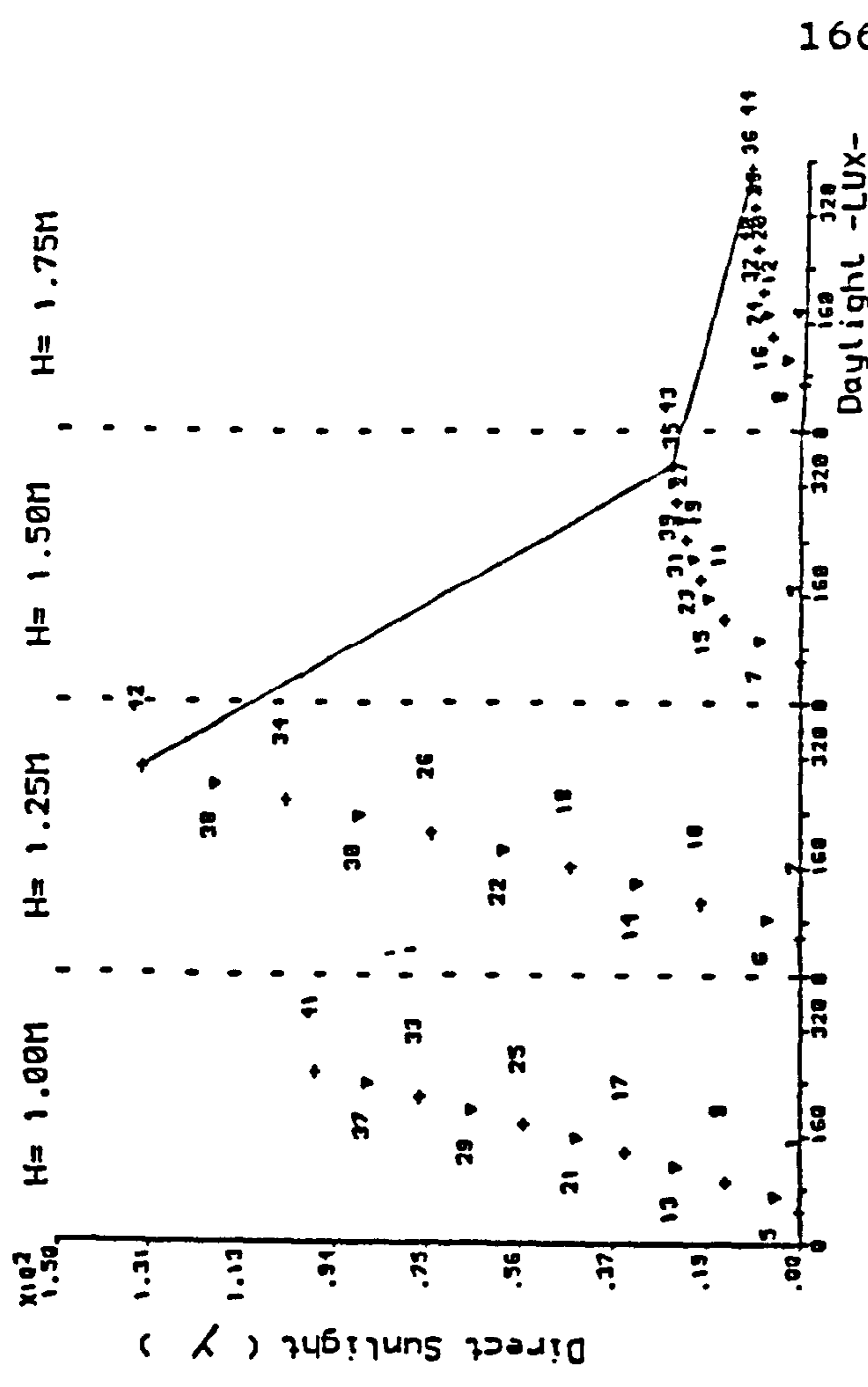




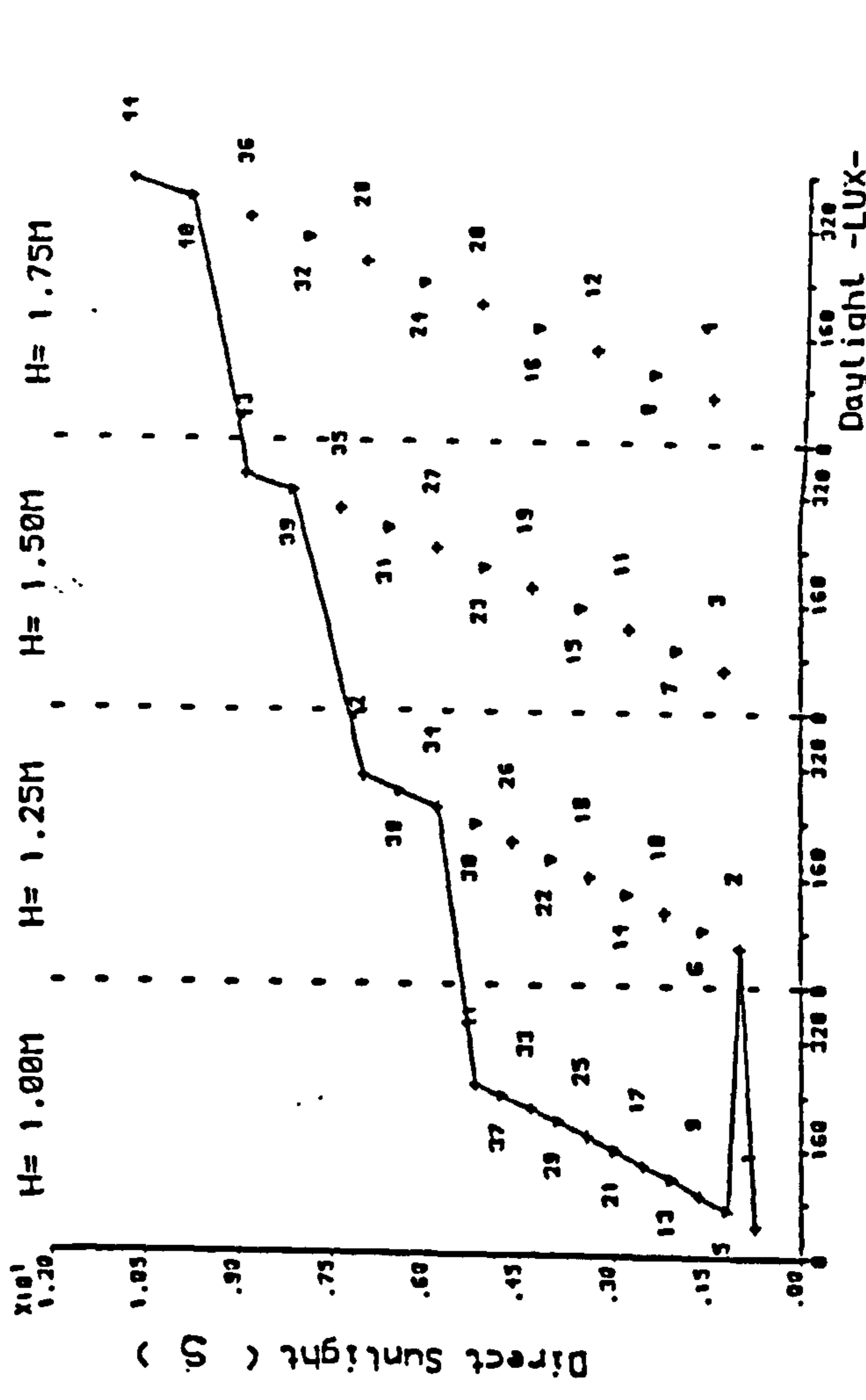
INTERHOUSE DISTANCE - 1.0 M -



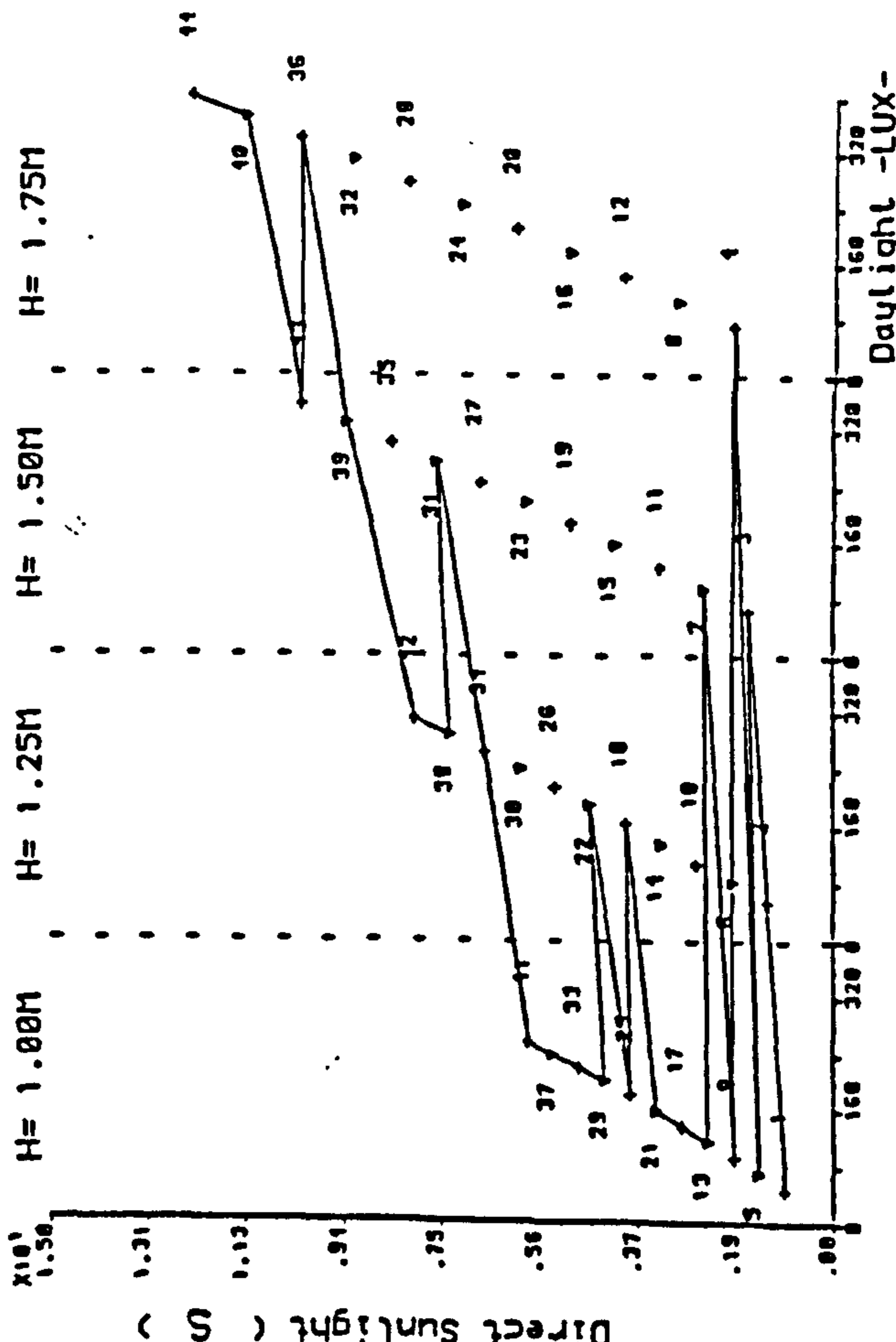
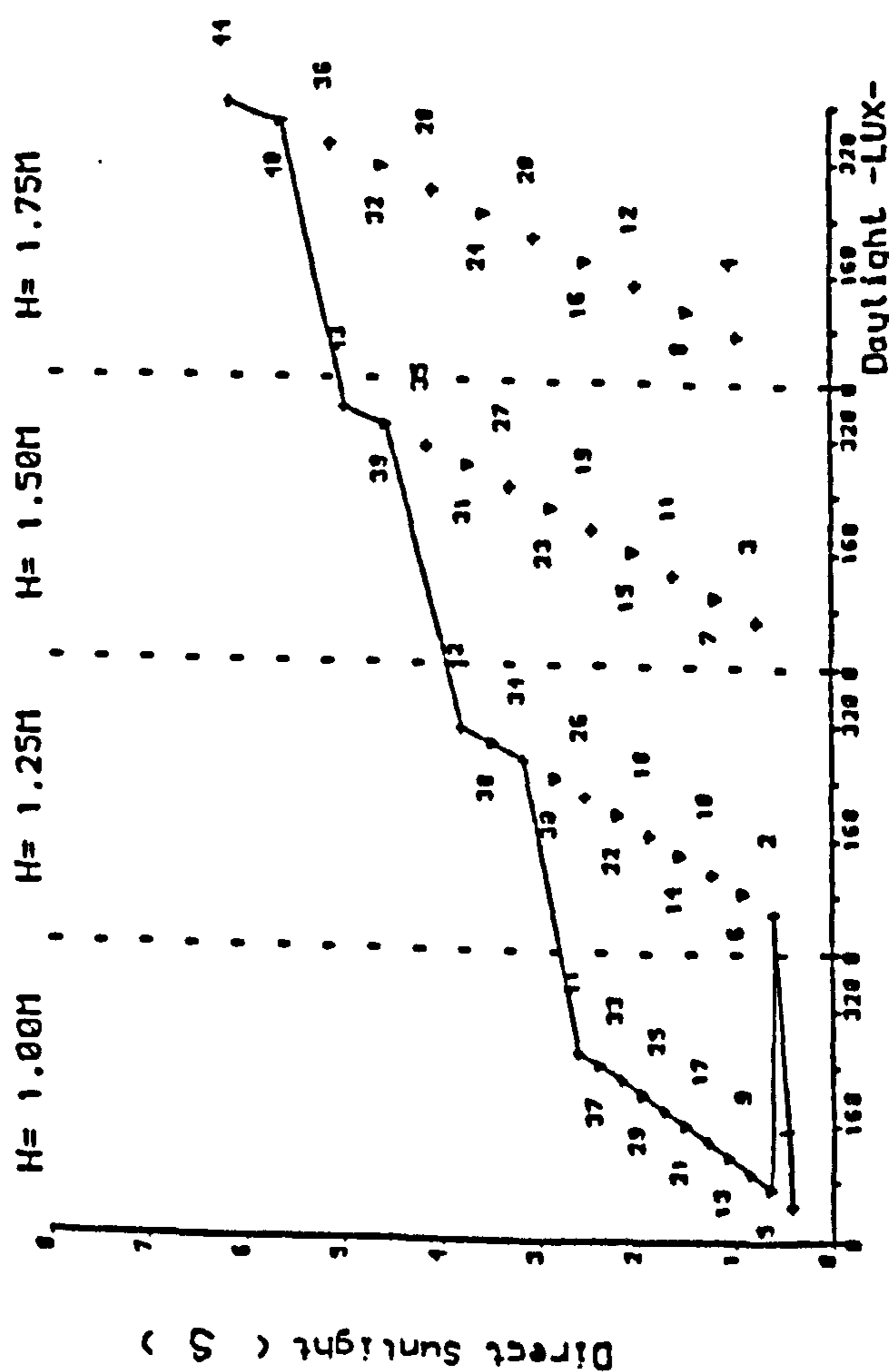
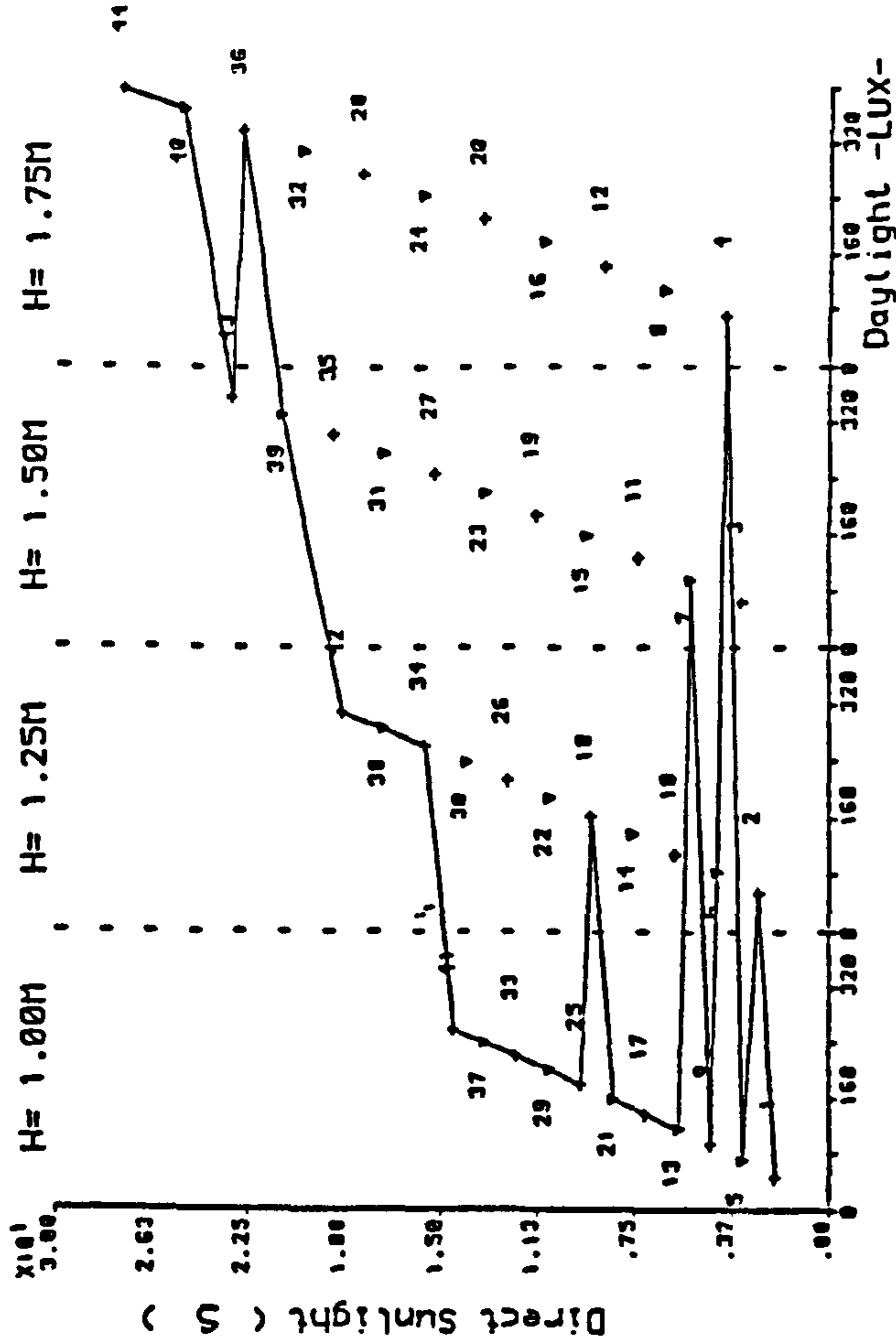
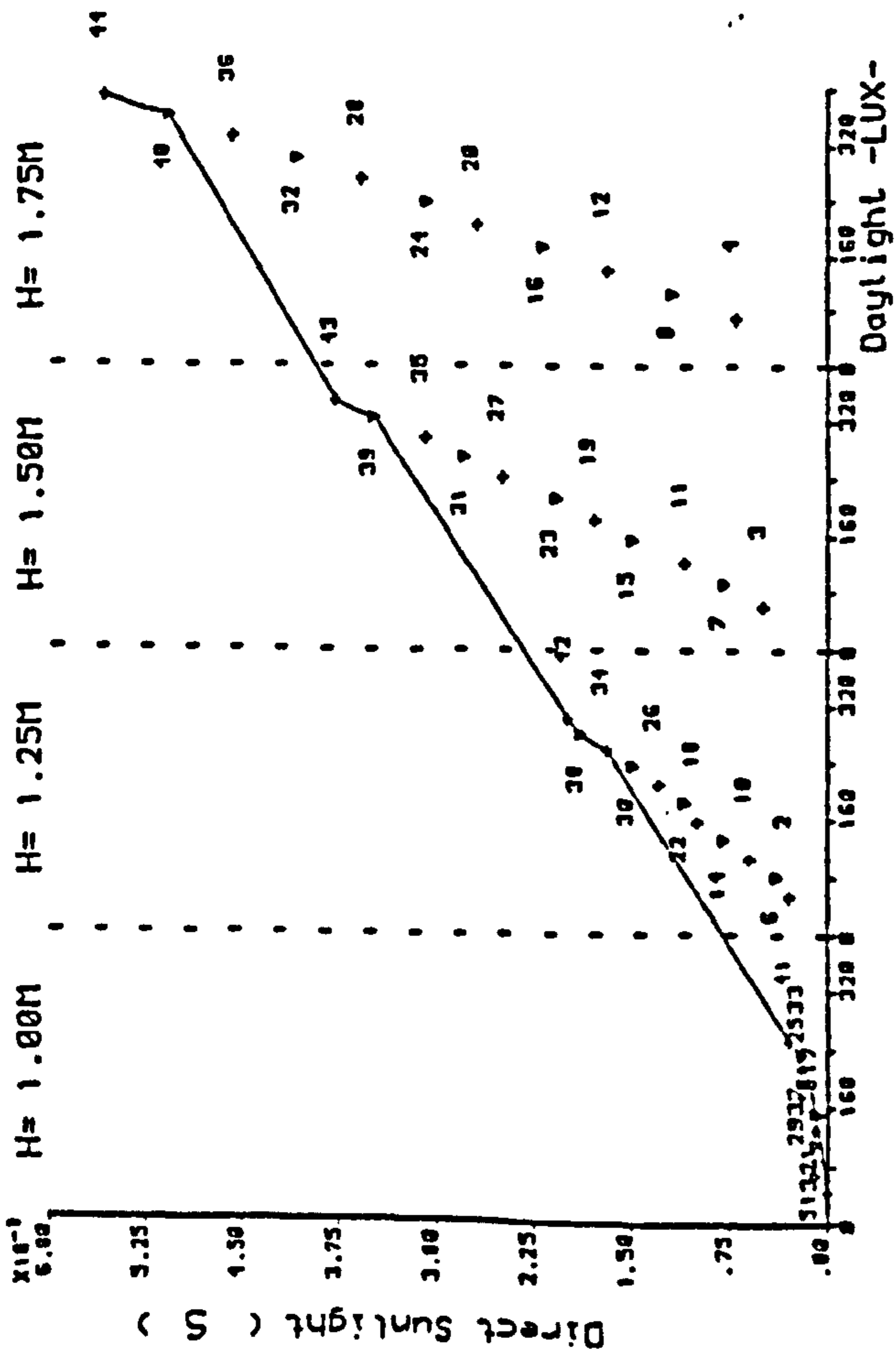
INTERHOUSE DISTANCE - 3.0 M -



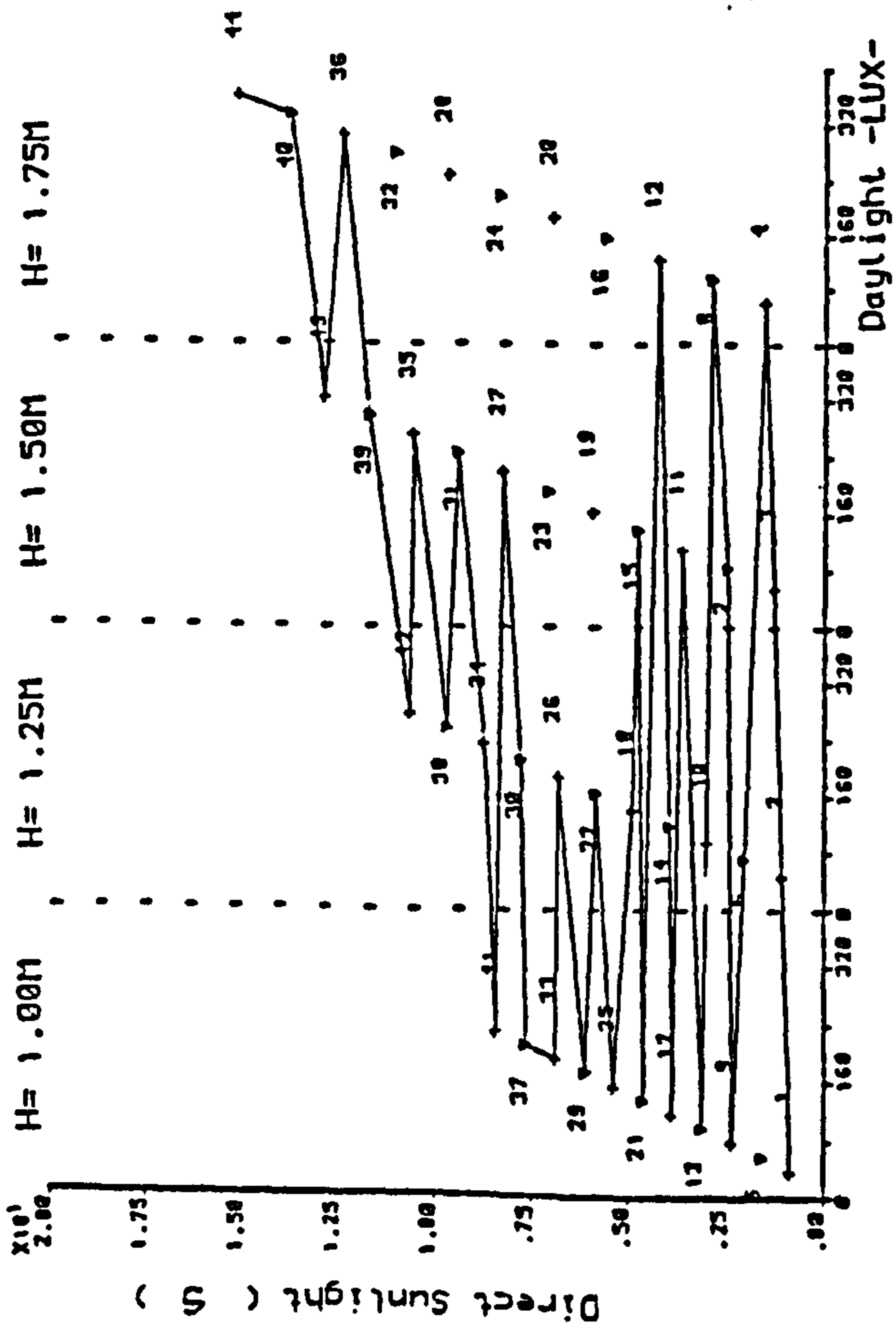
INTERHOUSE DISTANCE - 2.0 M -



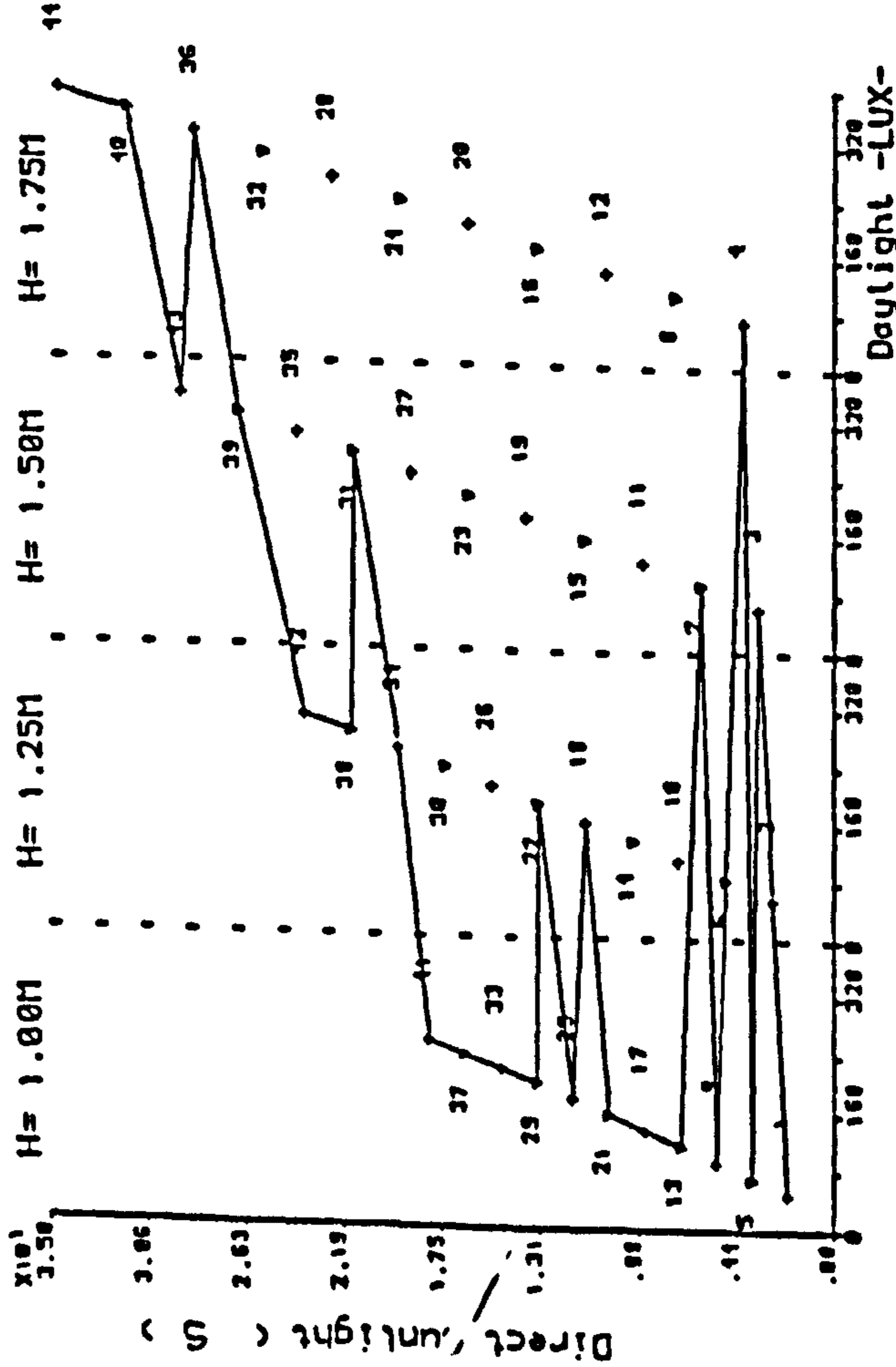
INTERHOUSE DISTANCE - 4.0 M -



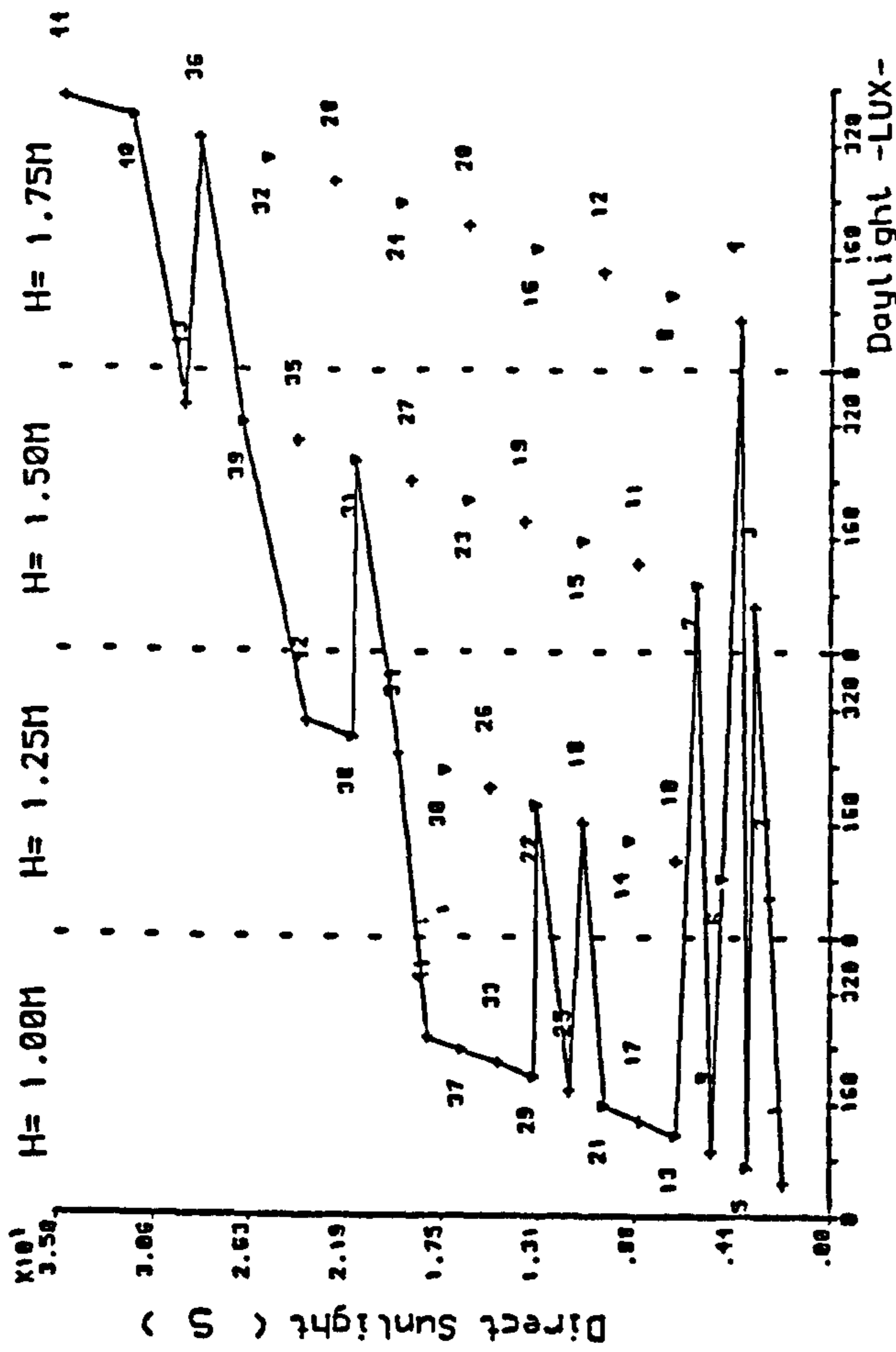




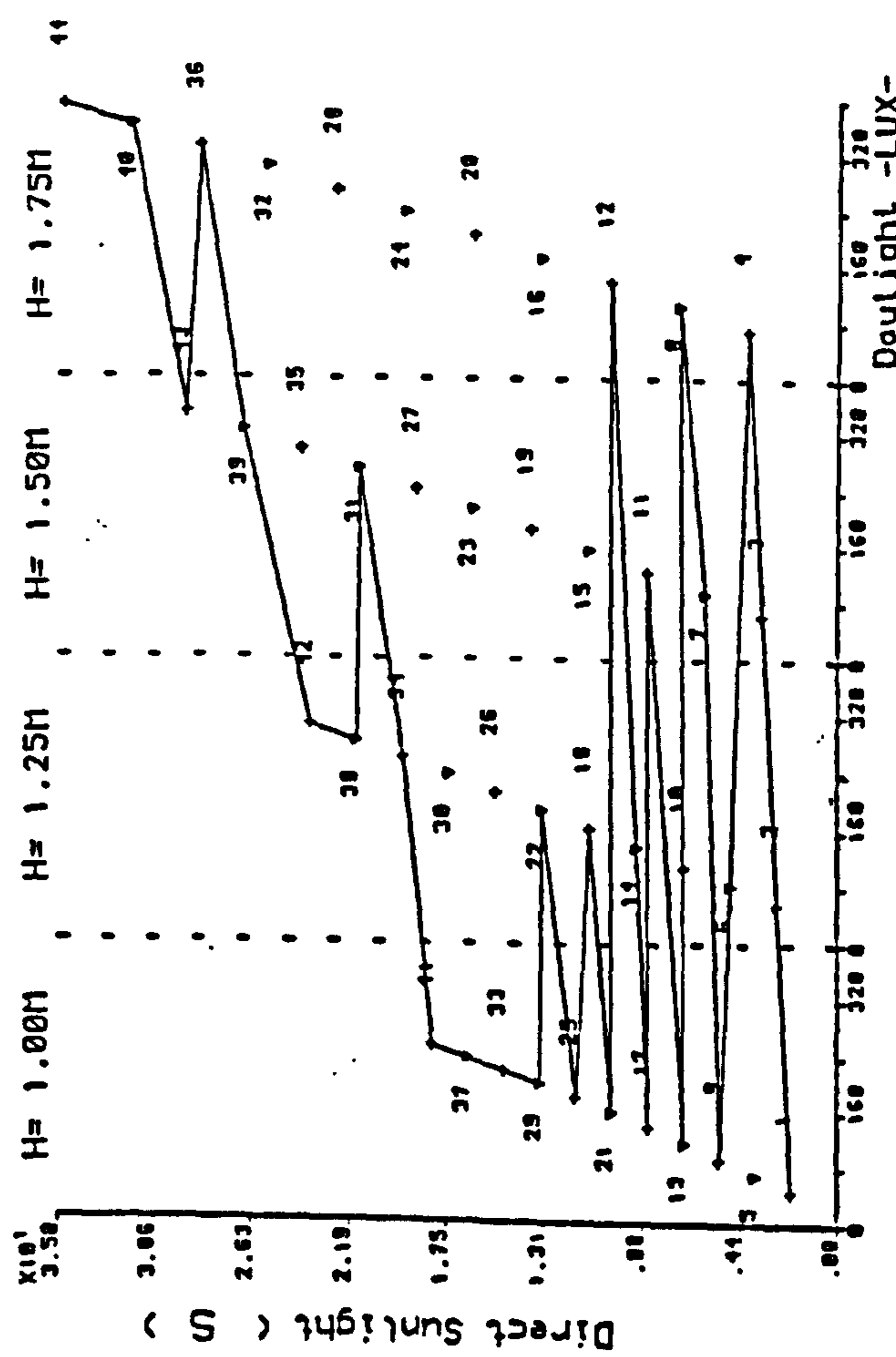
INTERHOUSE DISTANCE - 1.0 M -



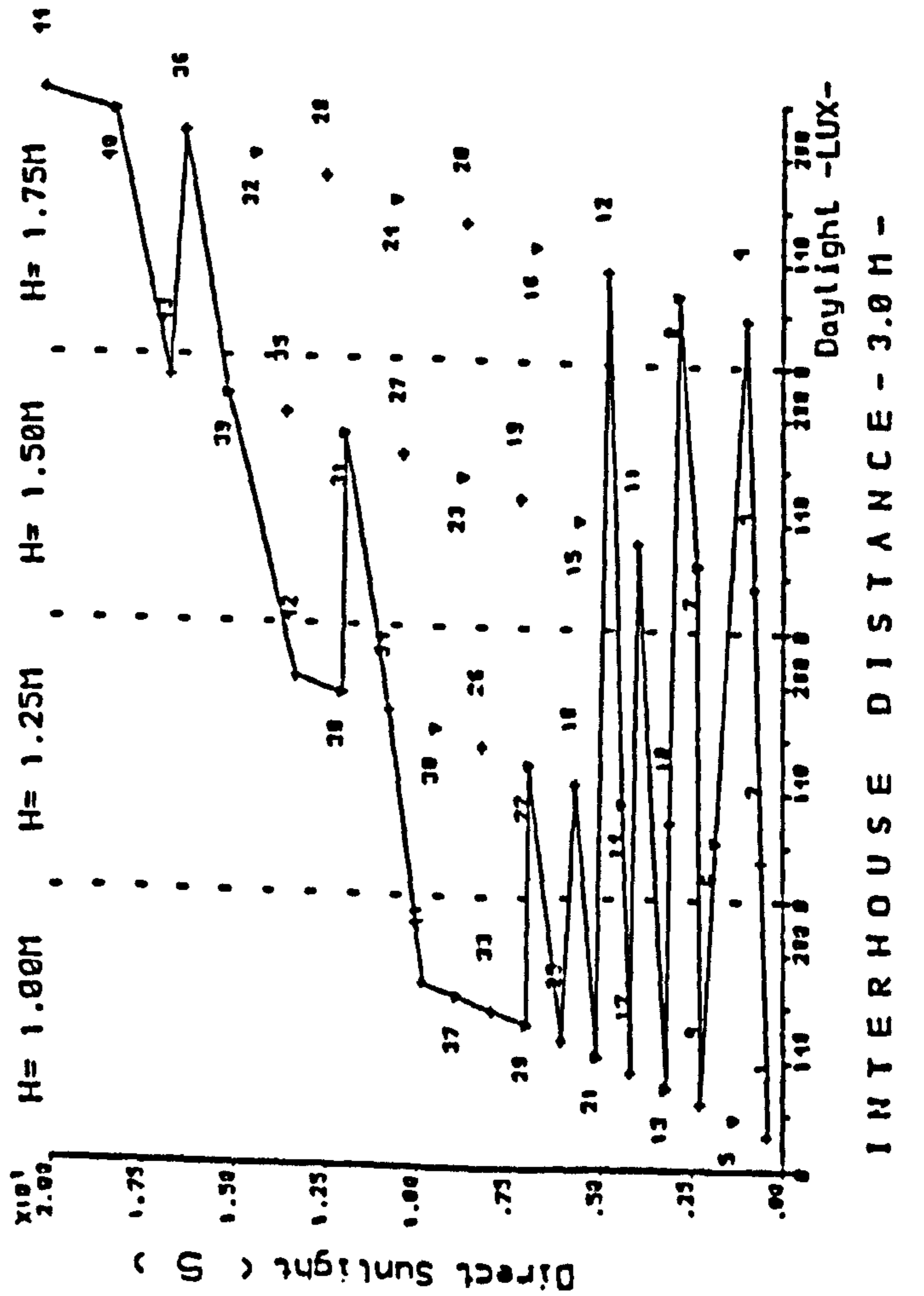
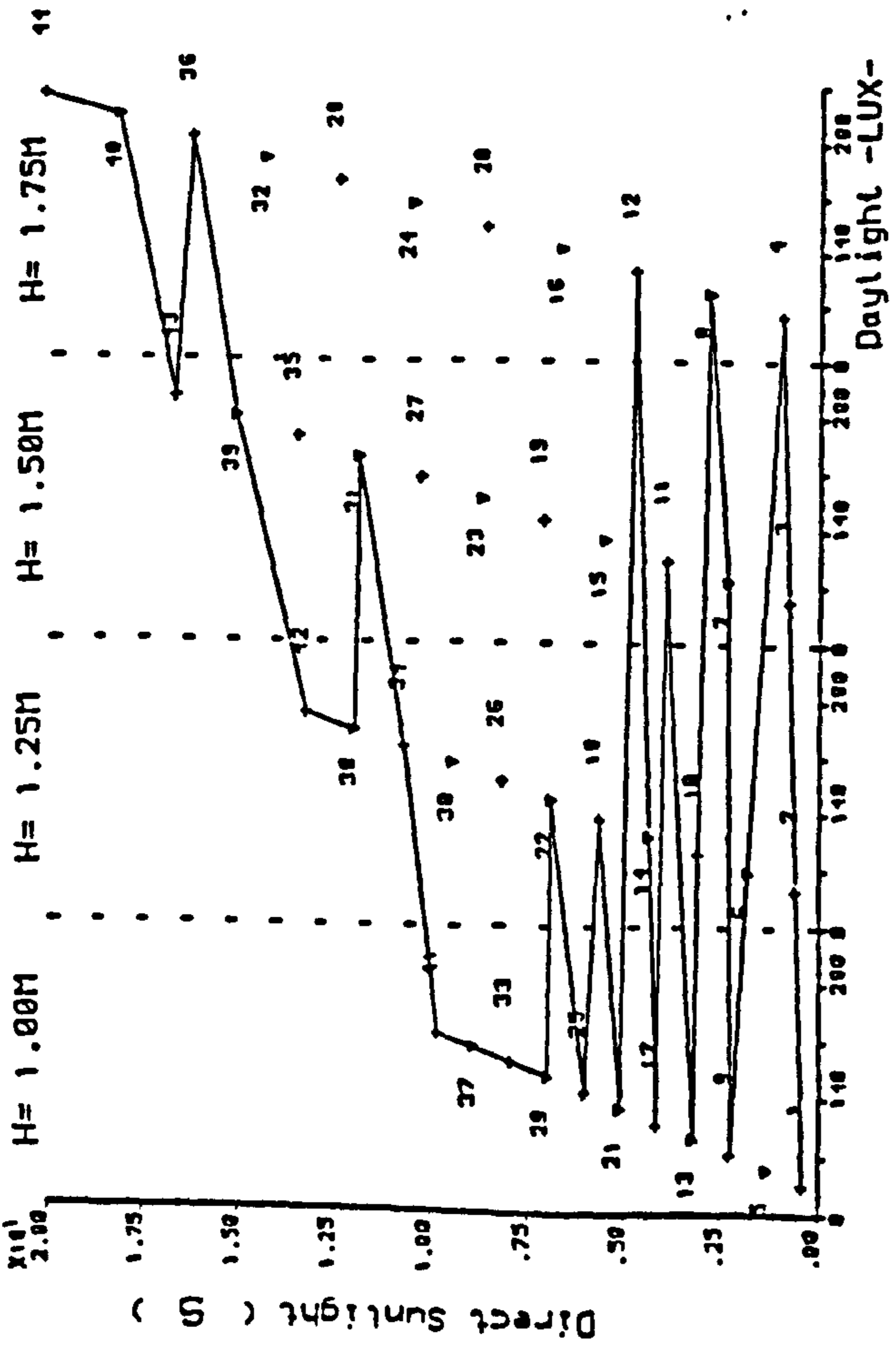
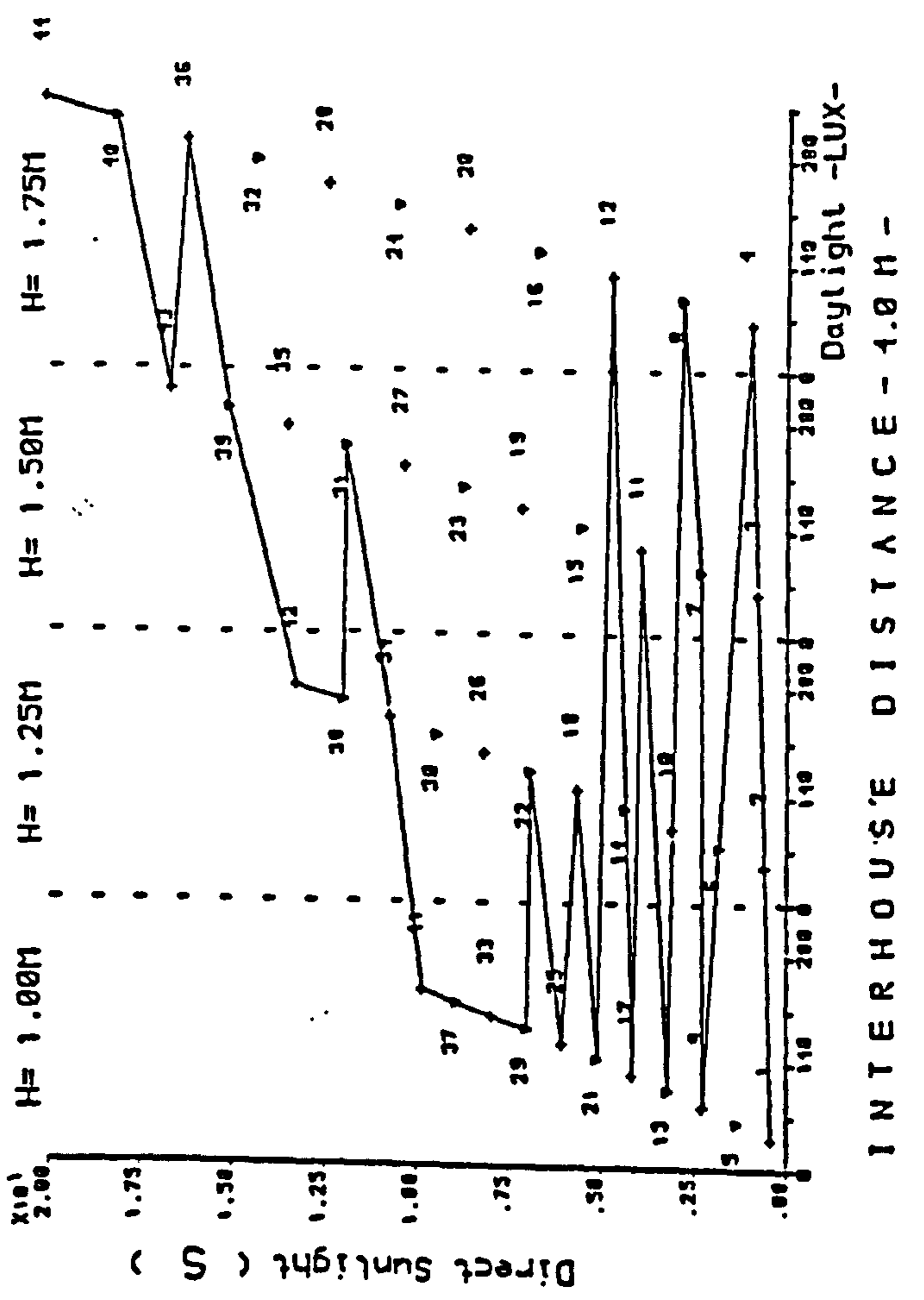
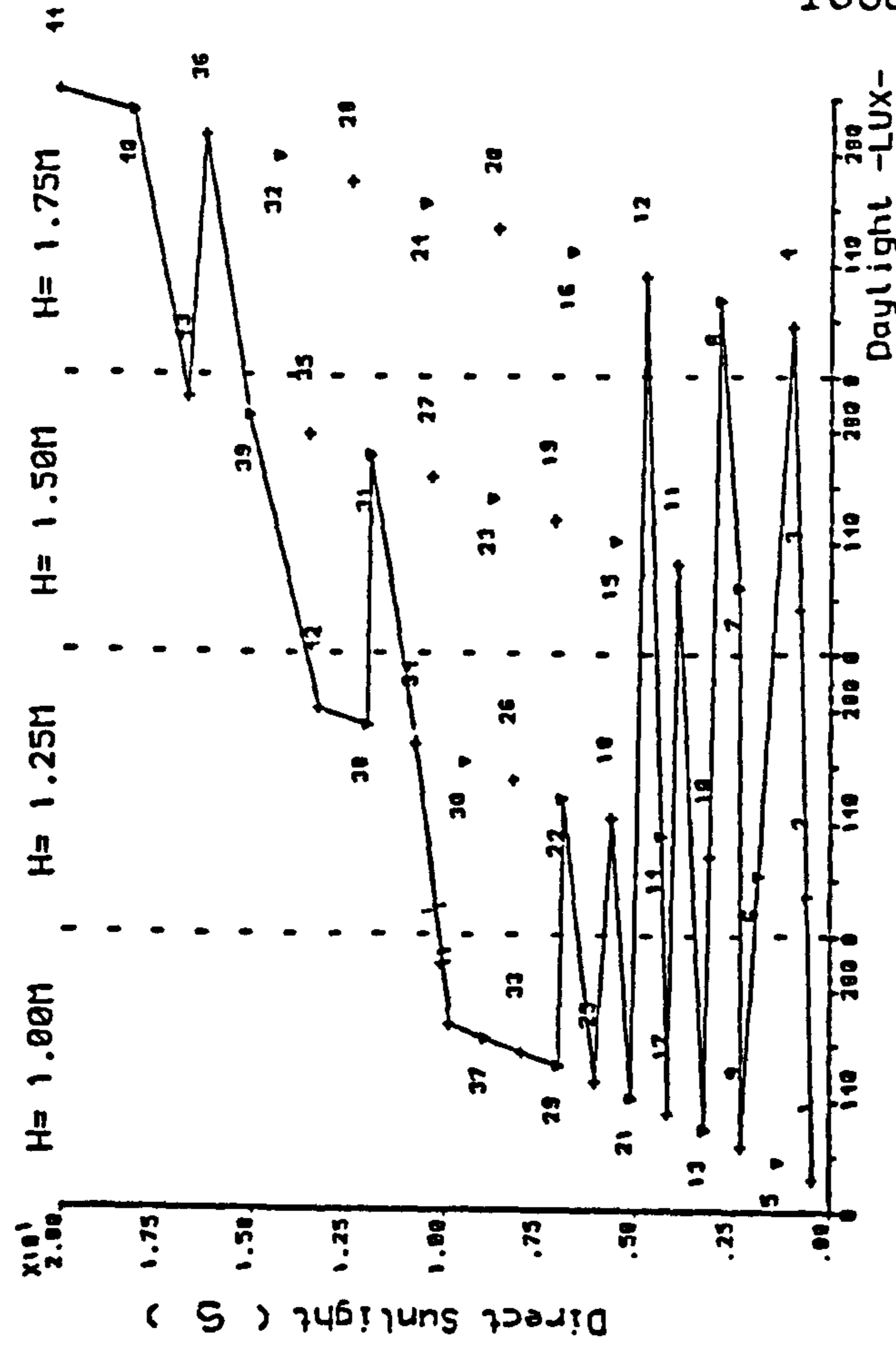
INTERHOUSE DISTANCE - 3.0 M -

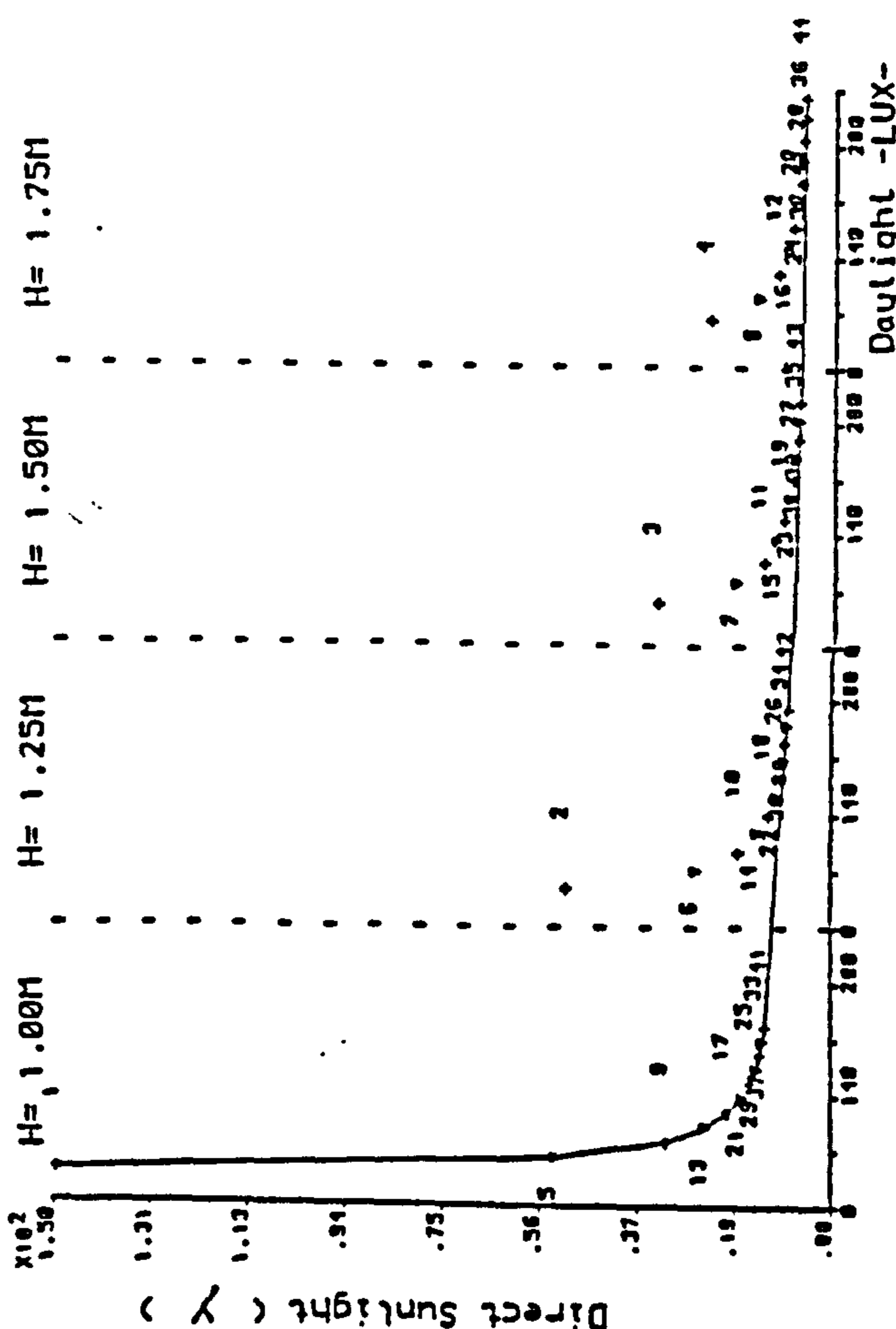
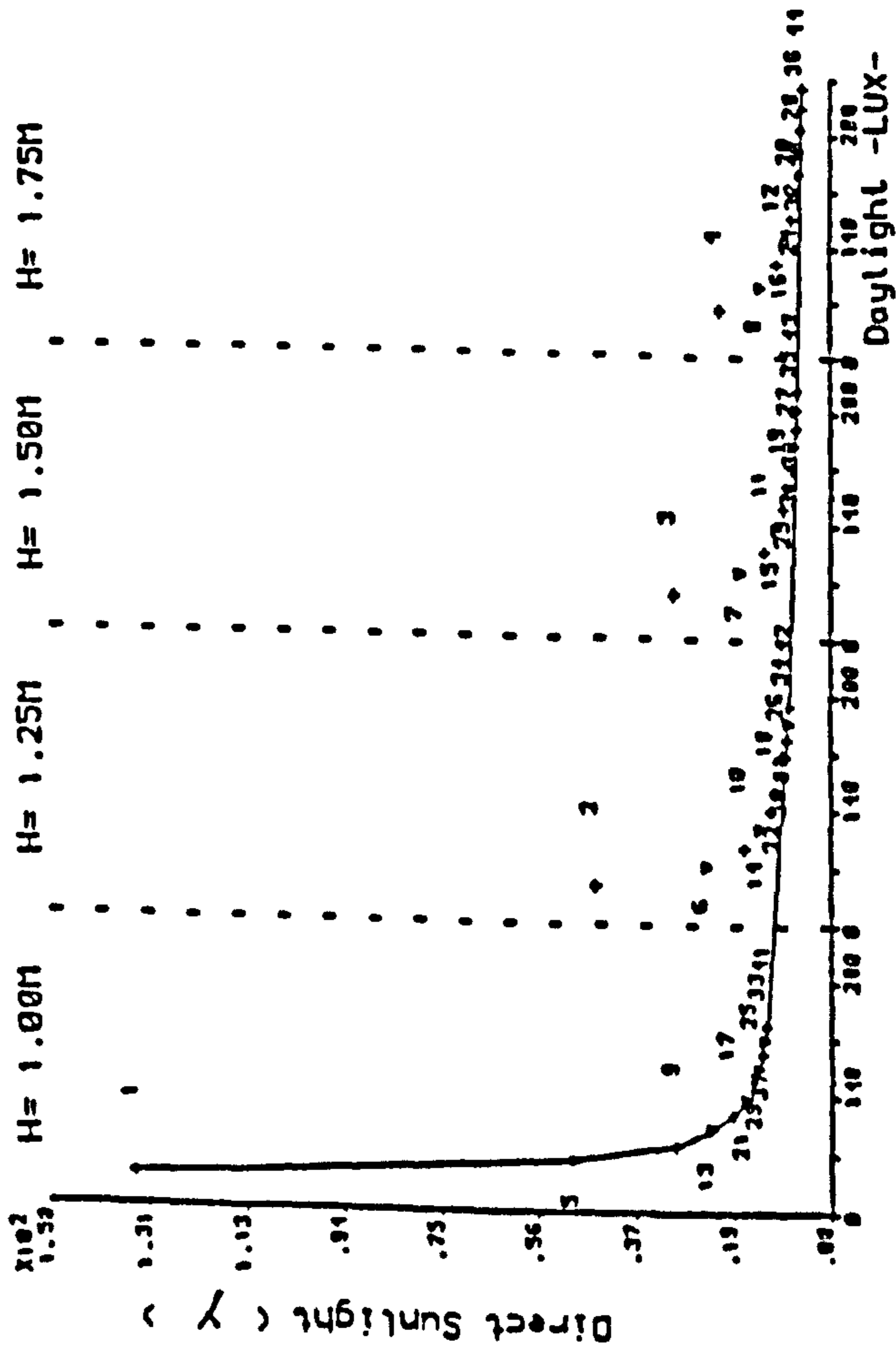
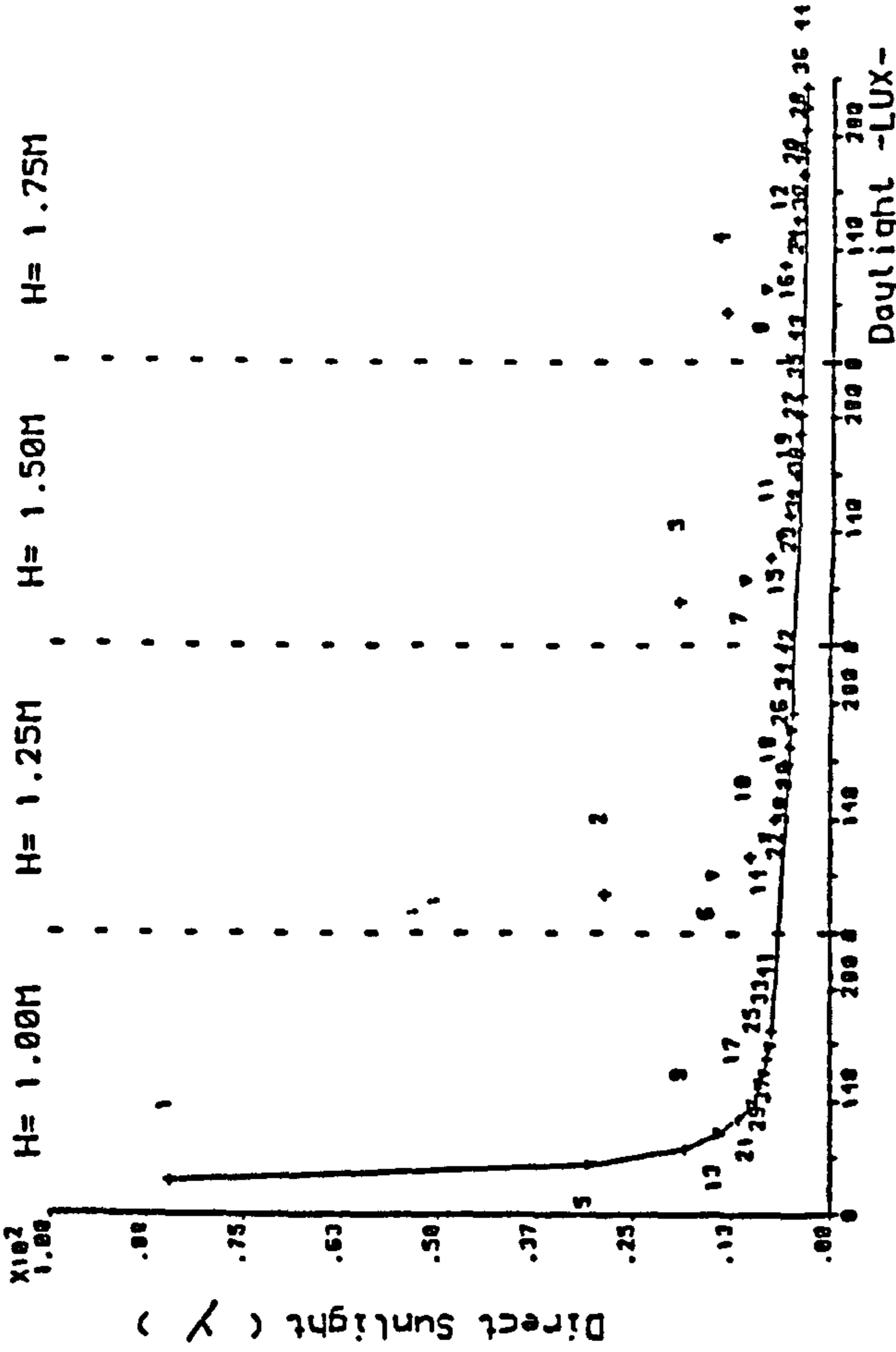
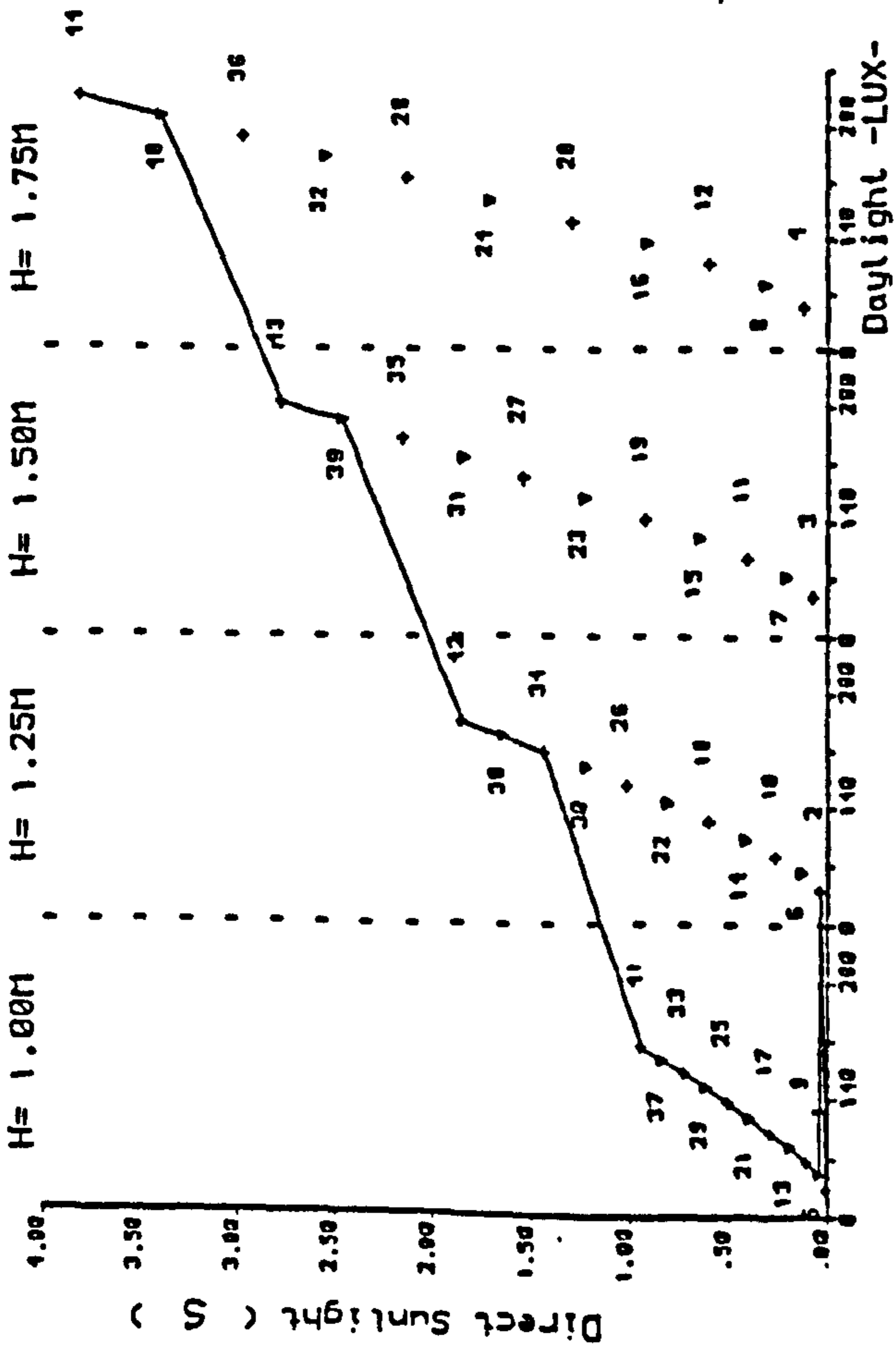


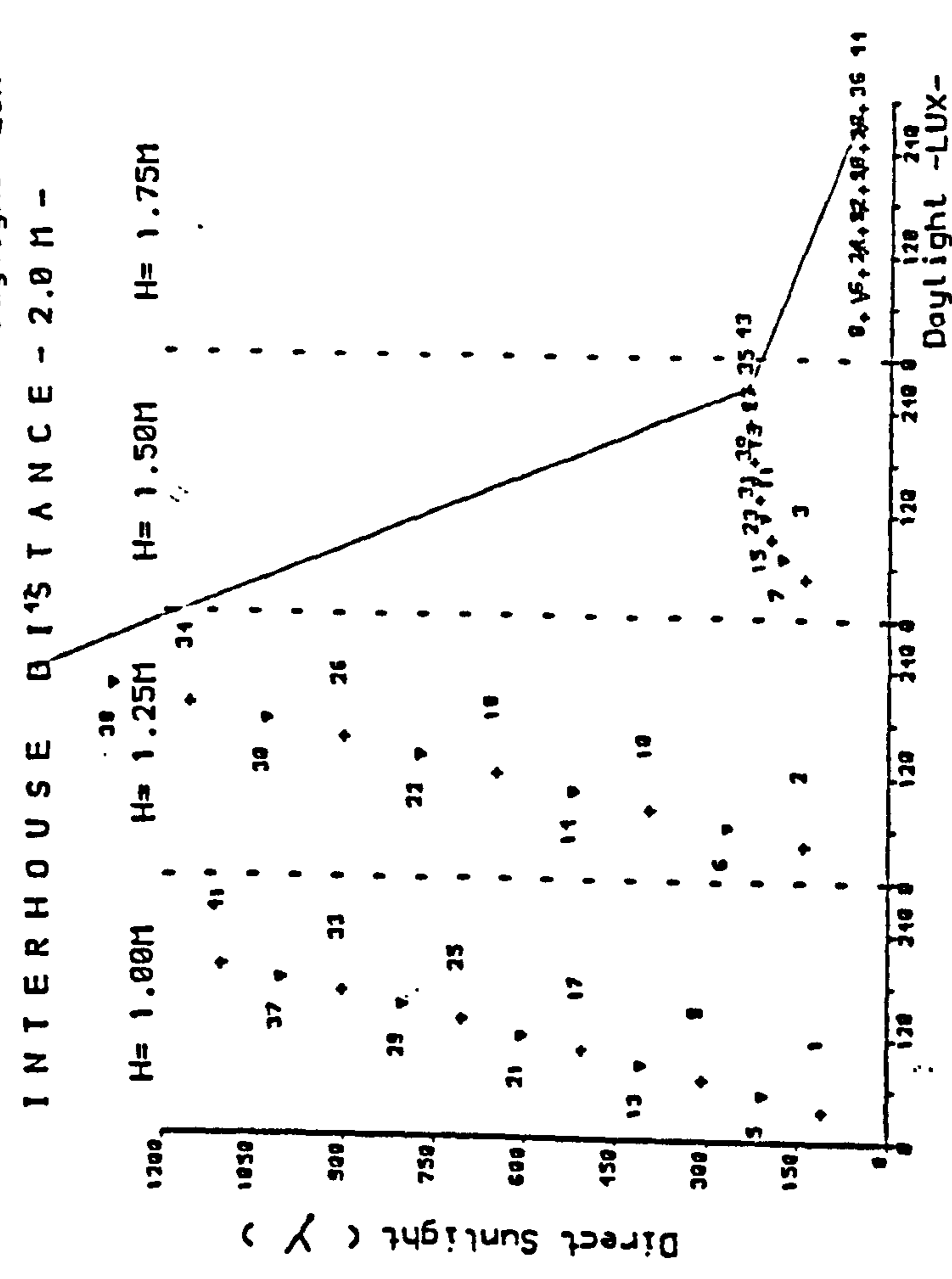
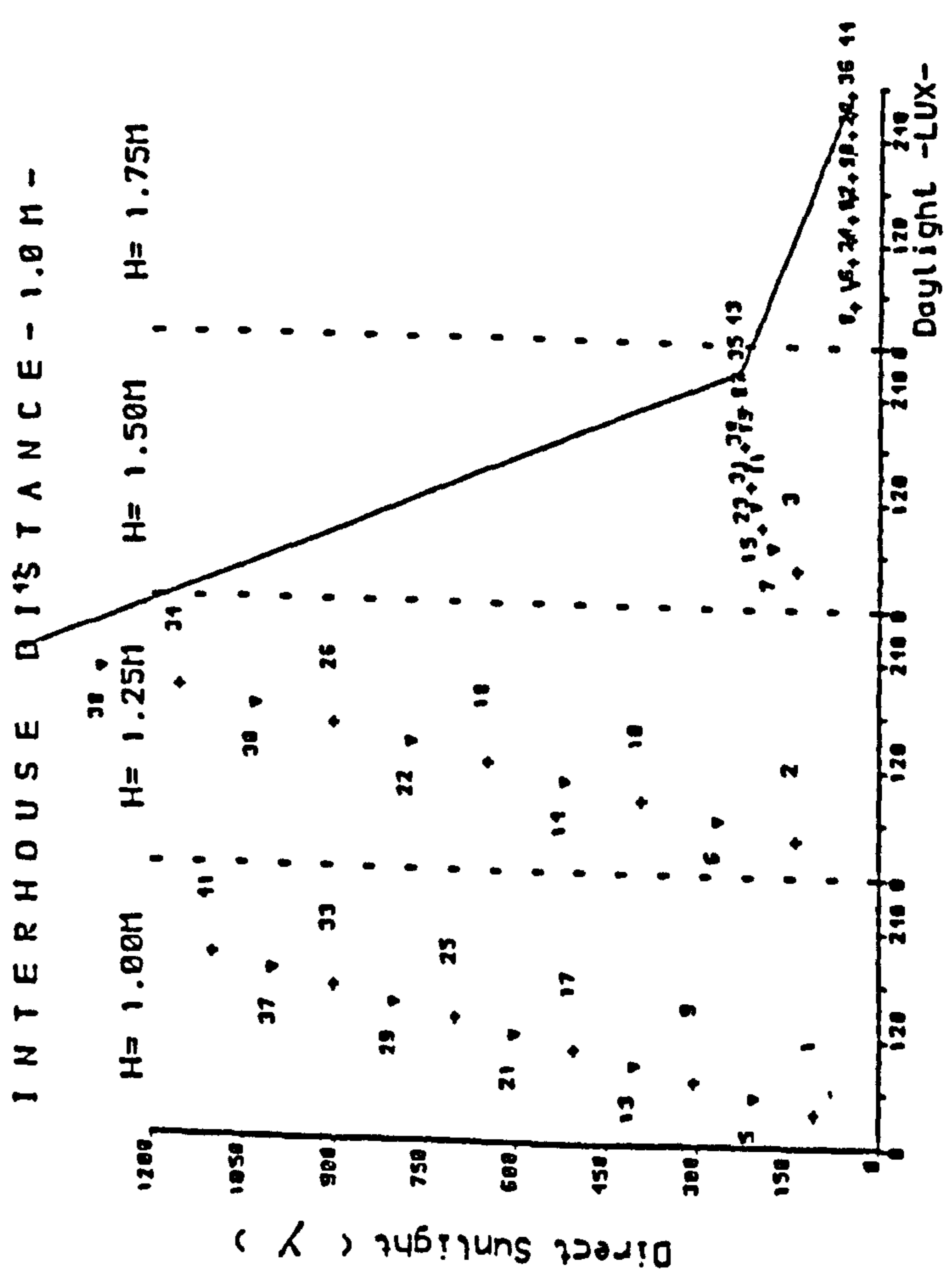
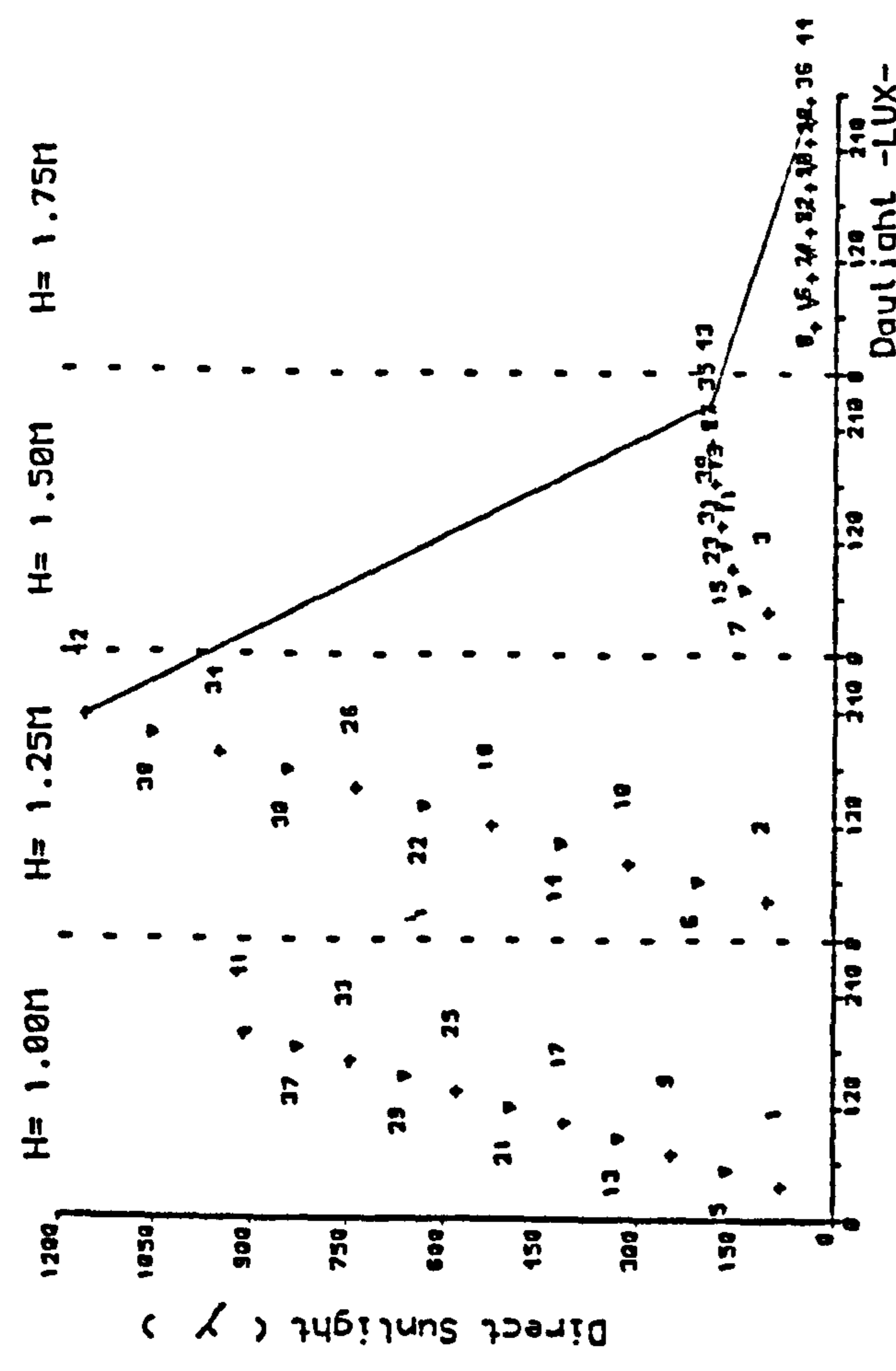
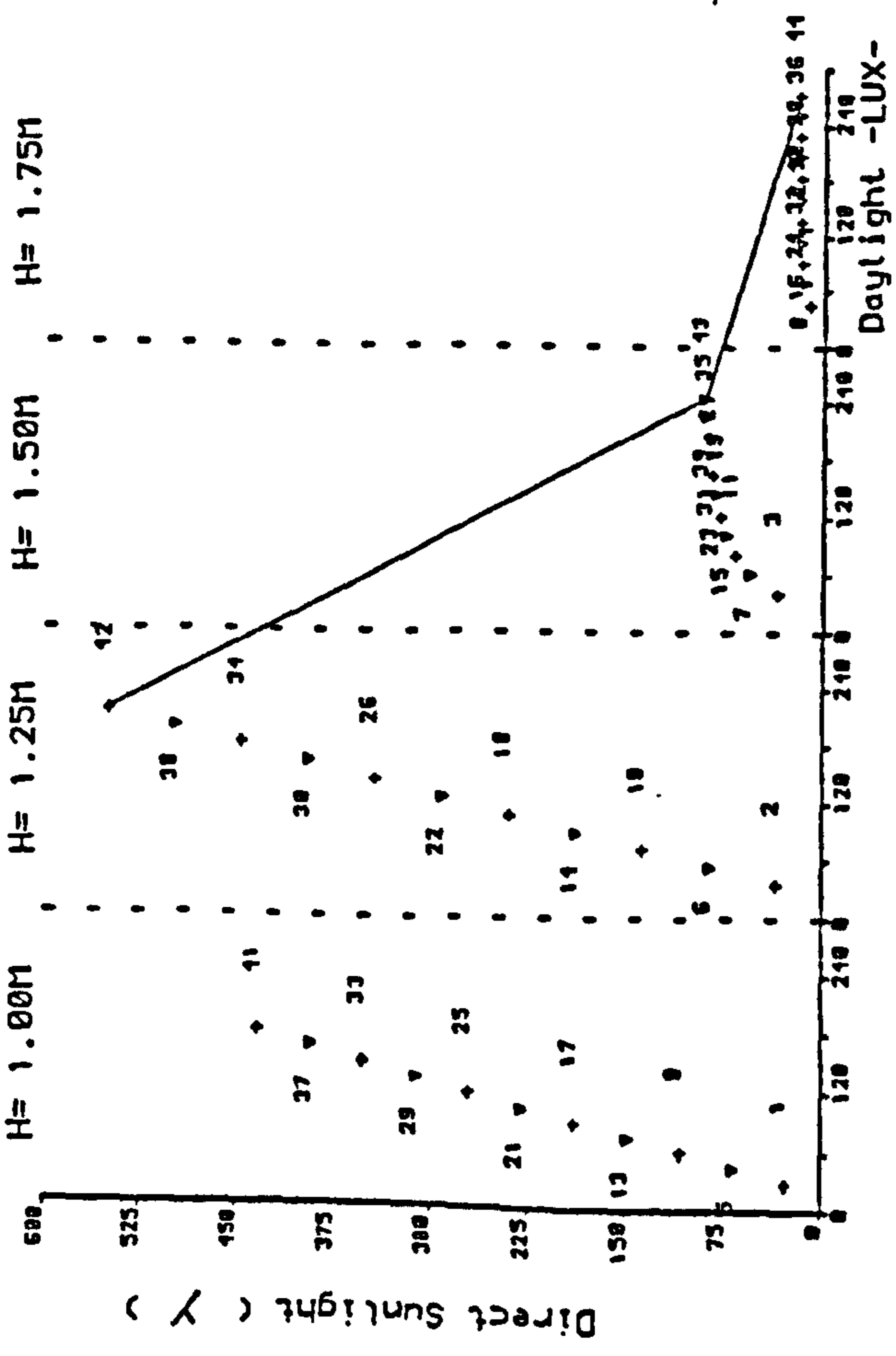
INTERHOUSE DISTANCE - 2.0 M -



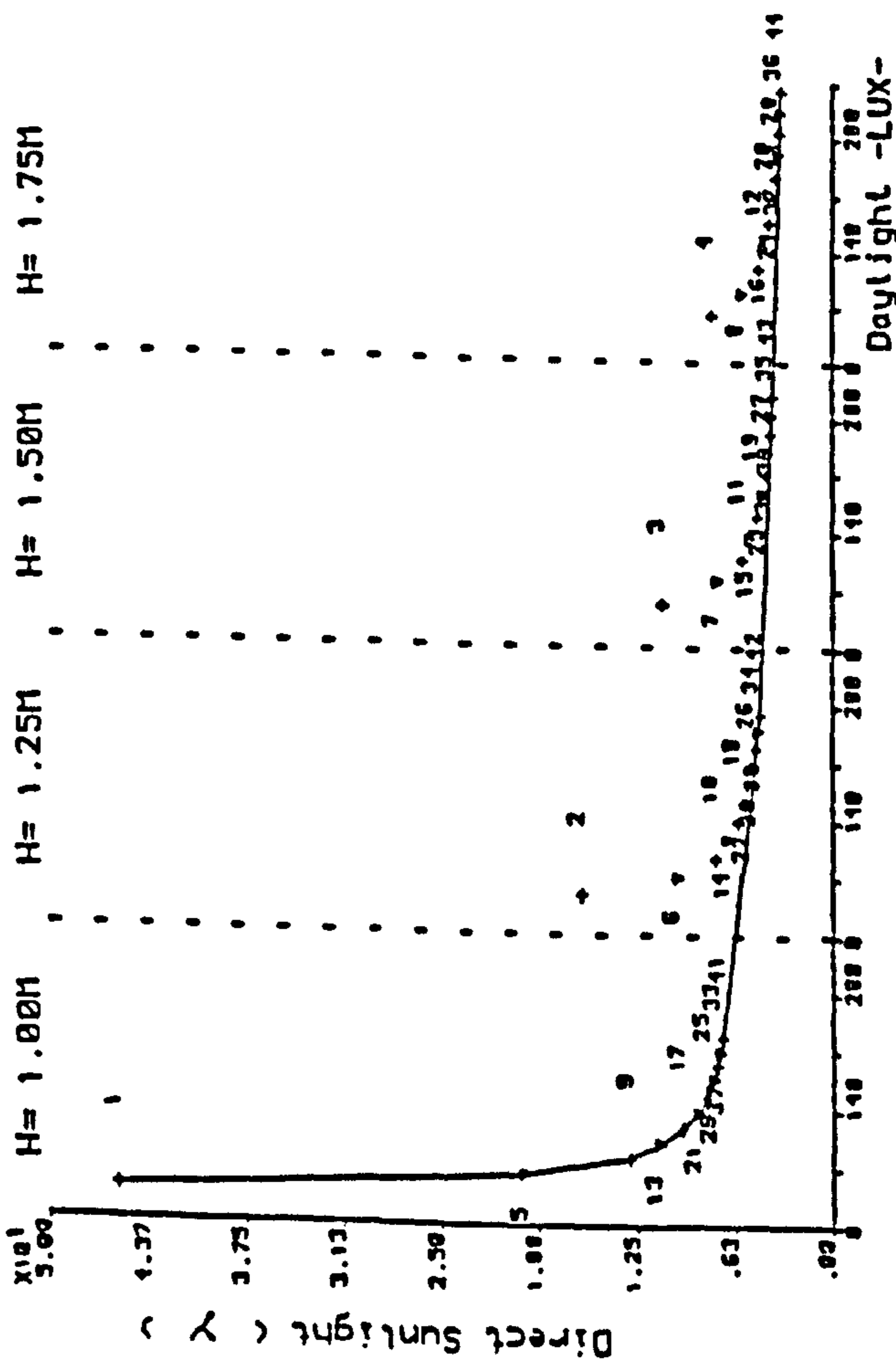
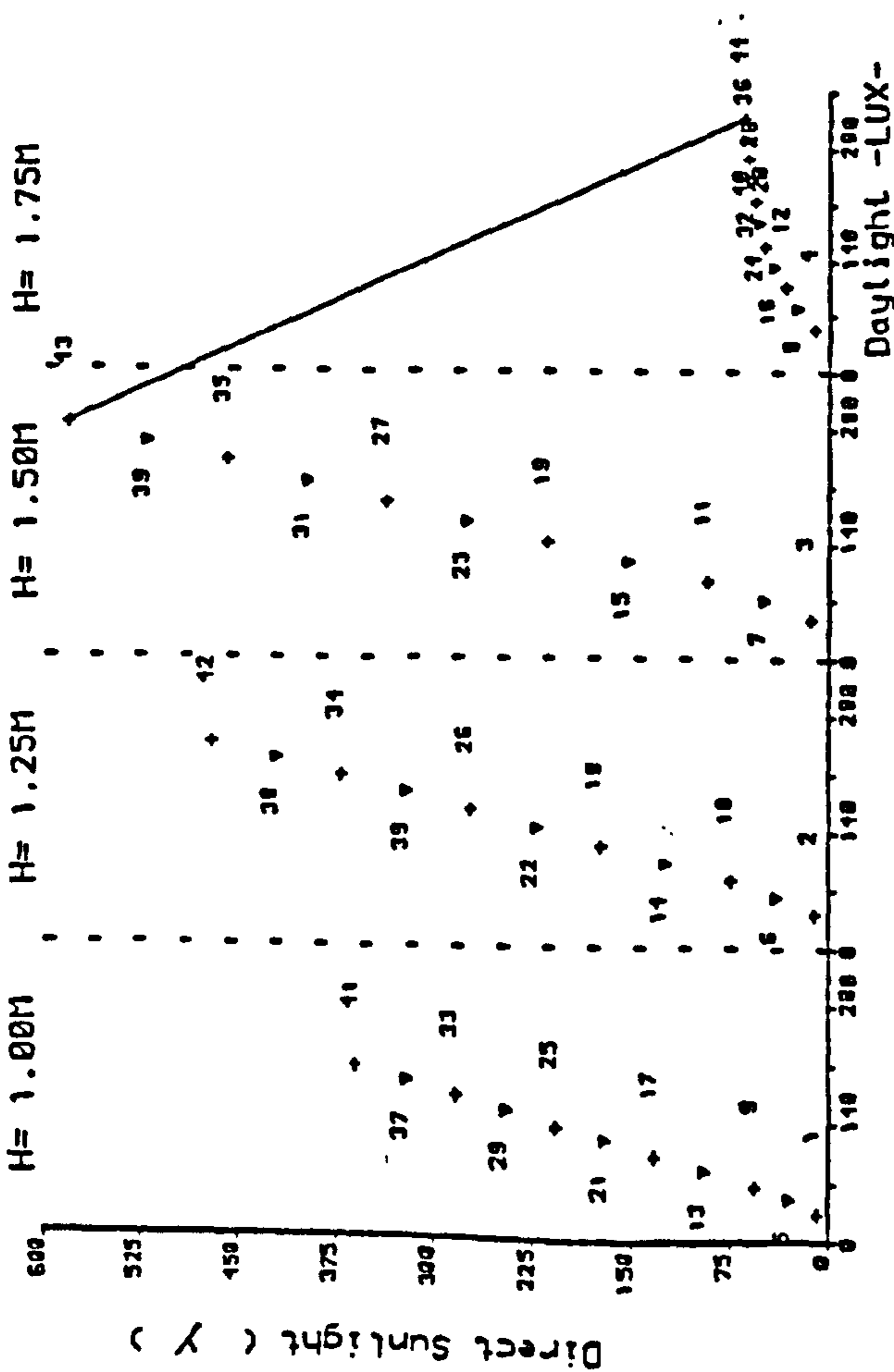
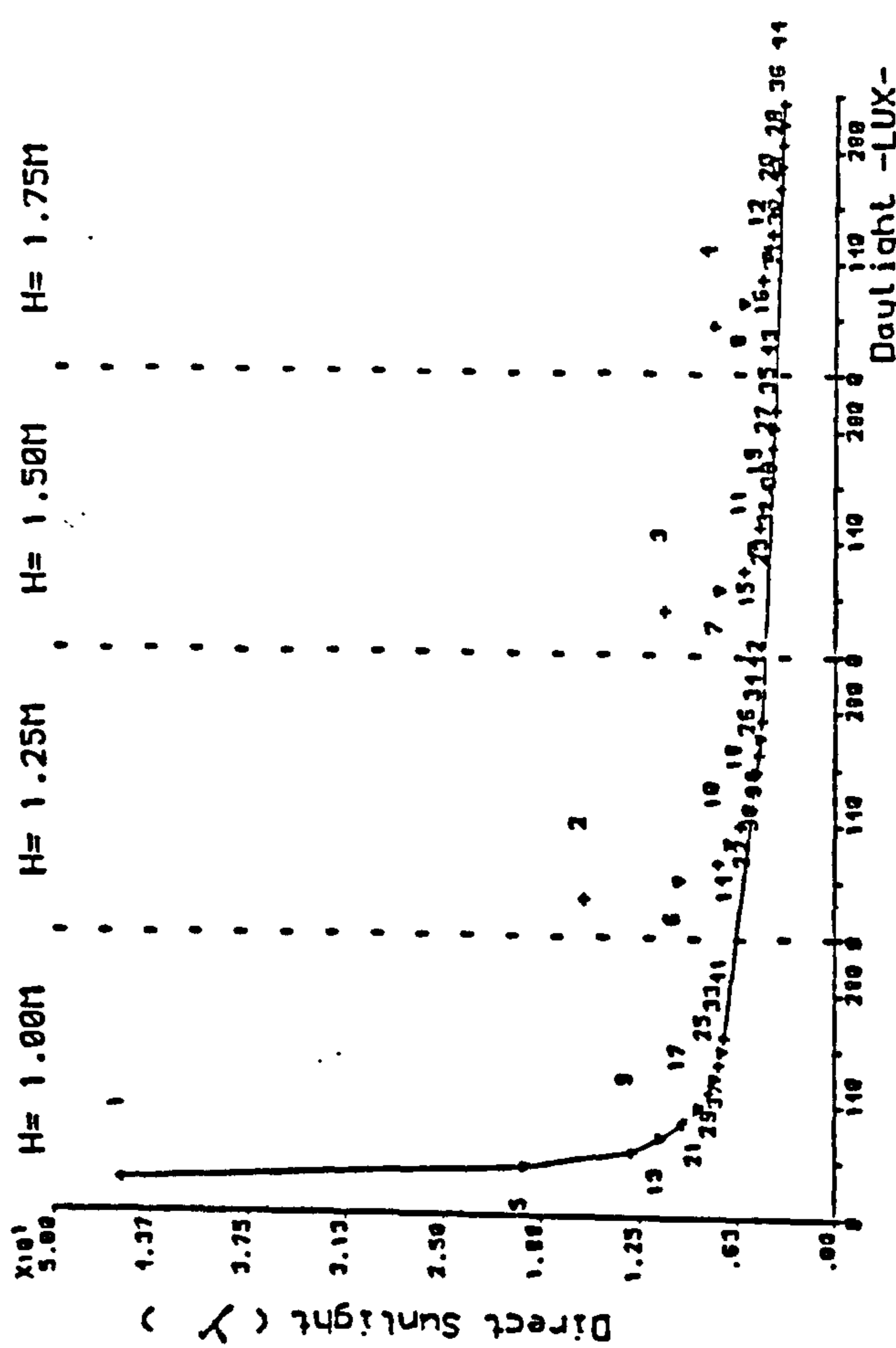
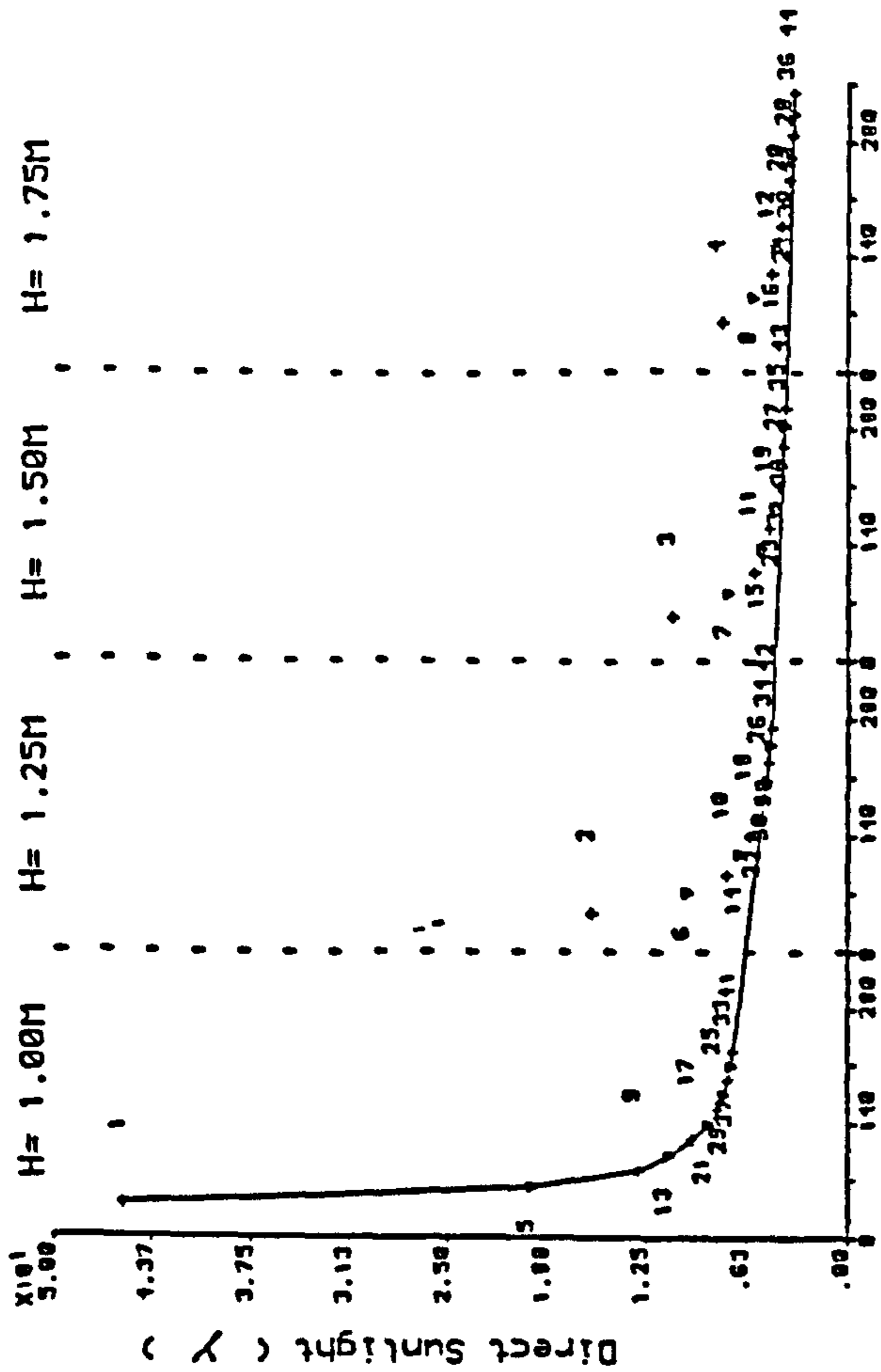
INTERHOUSE DISTANCE - 1.0 M -

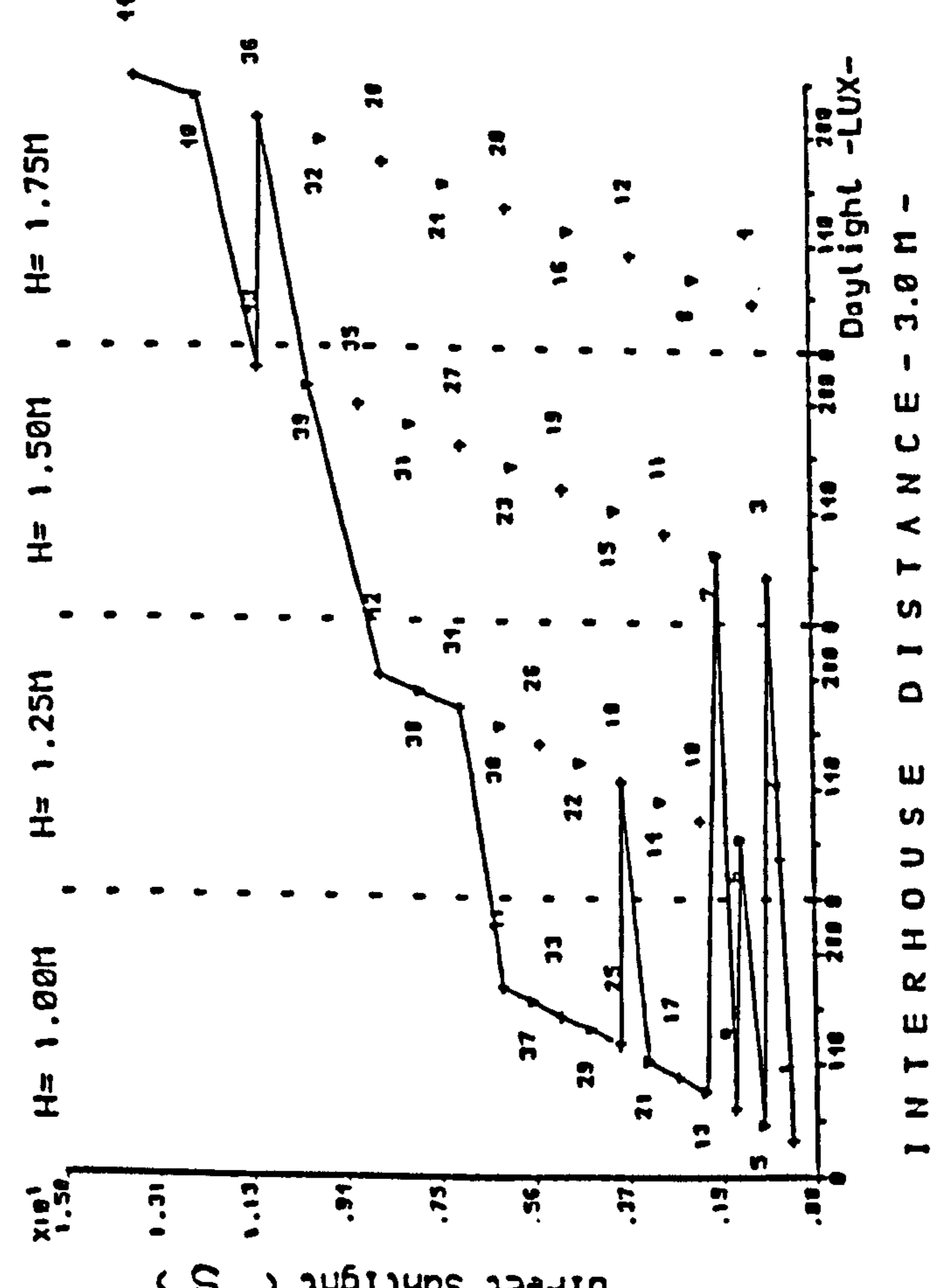
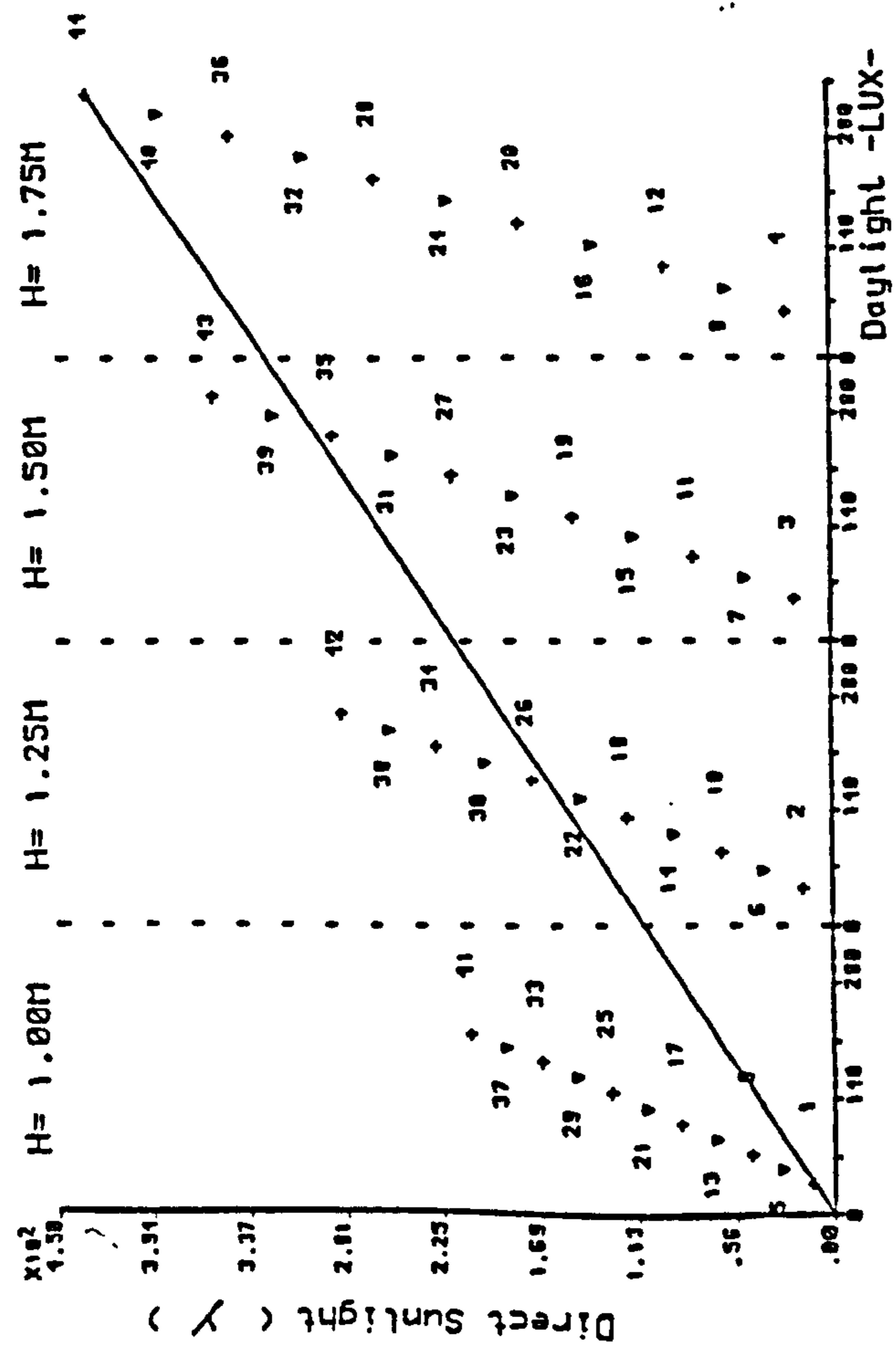
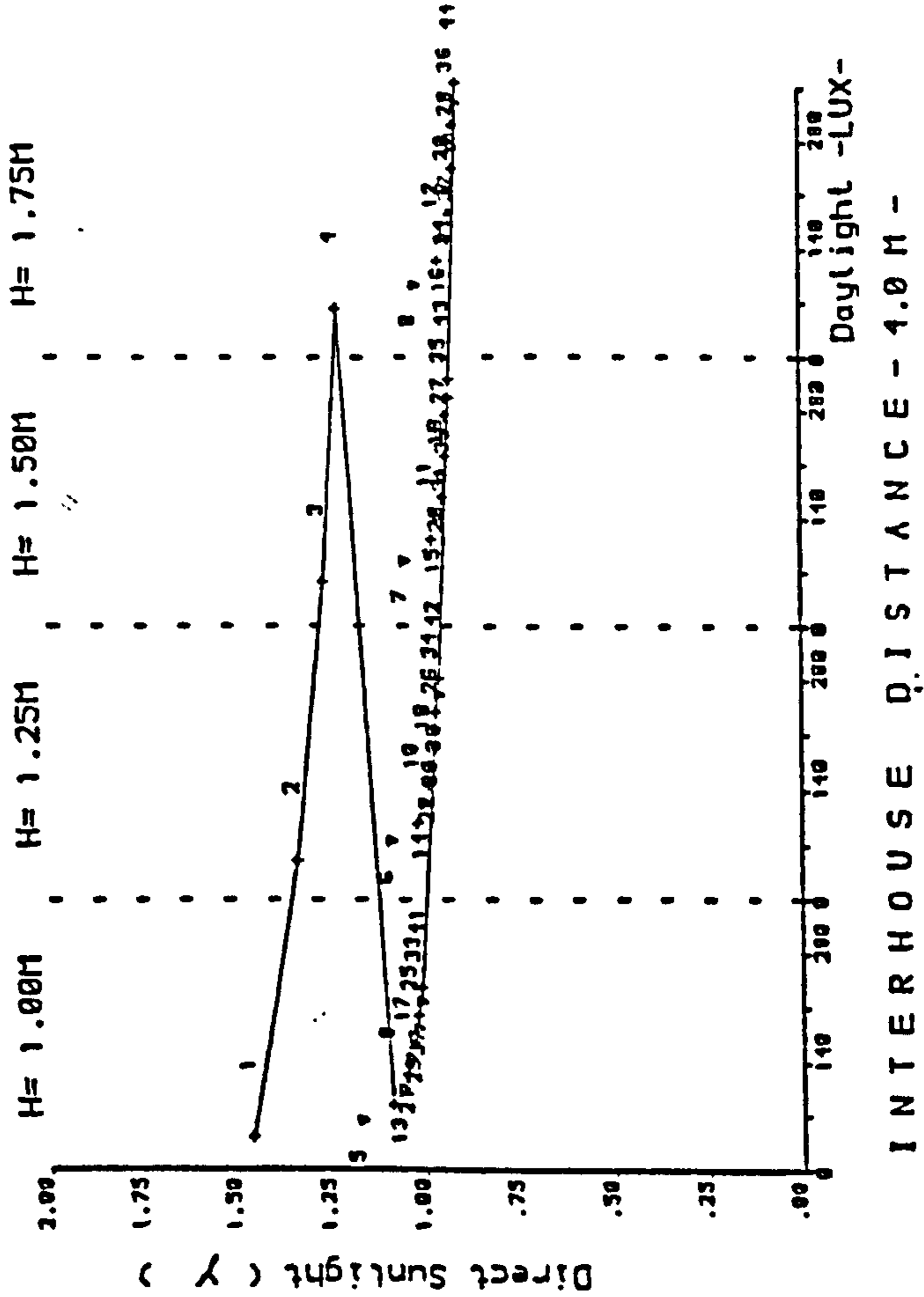
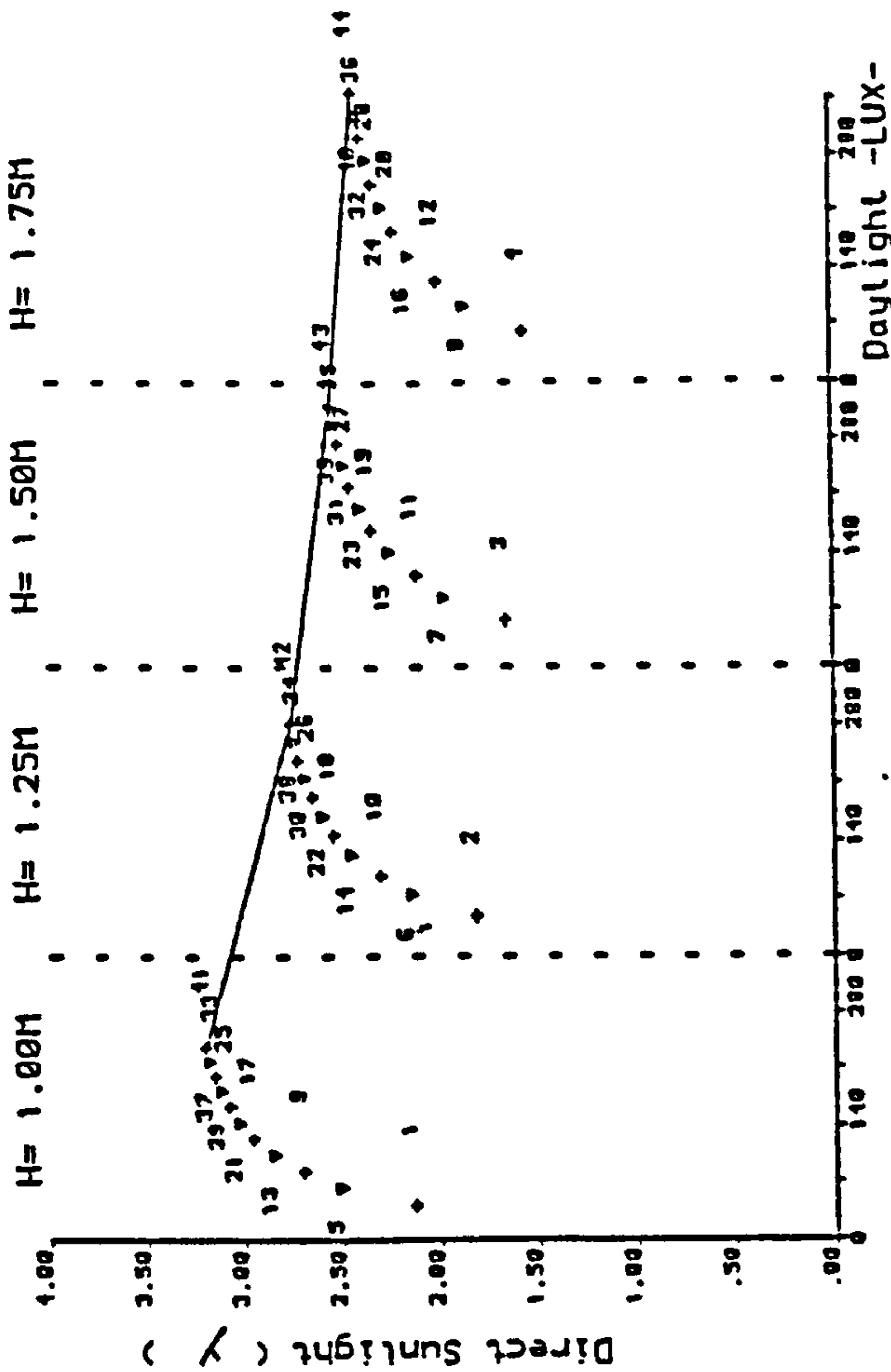


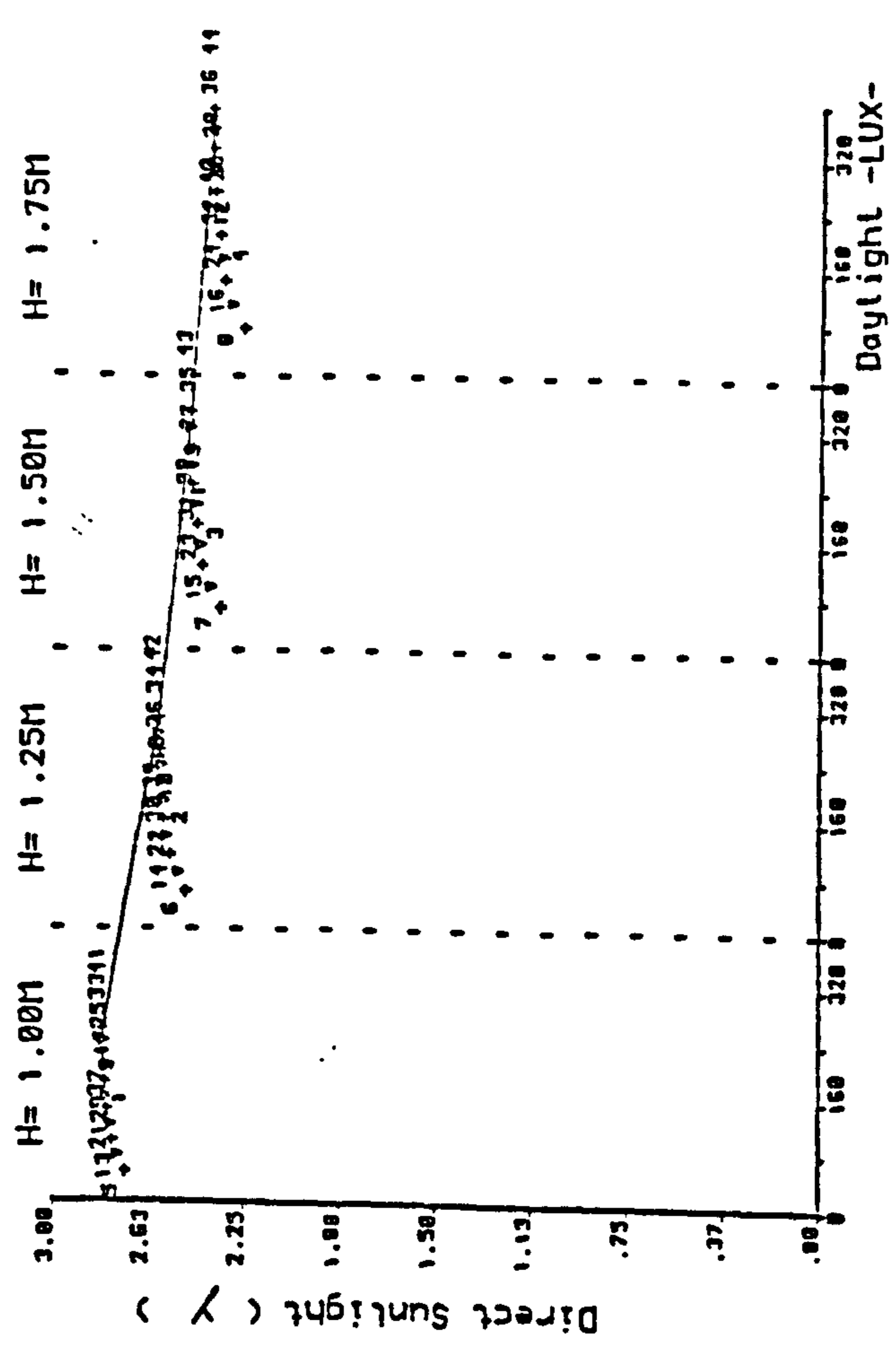
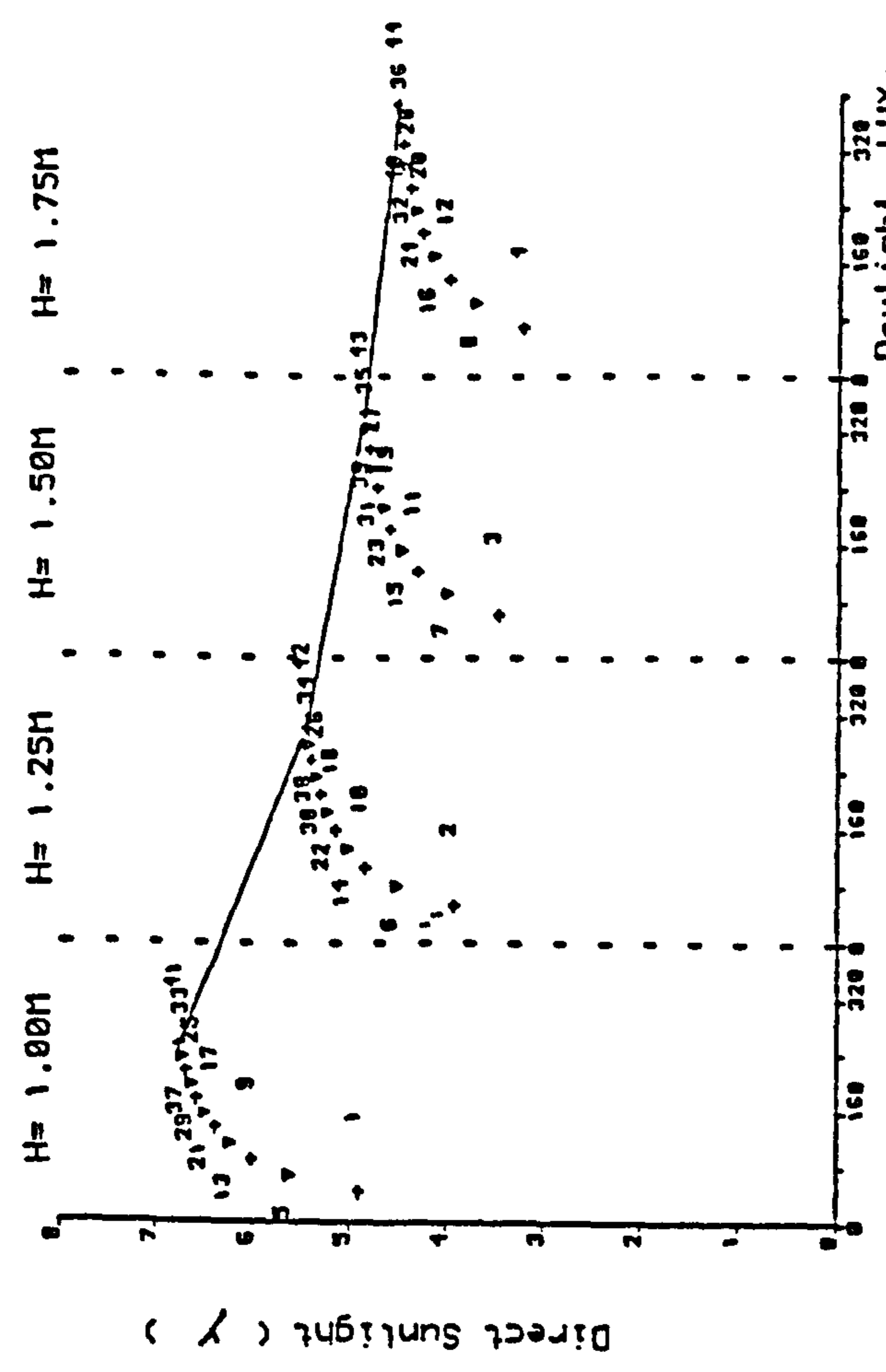
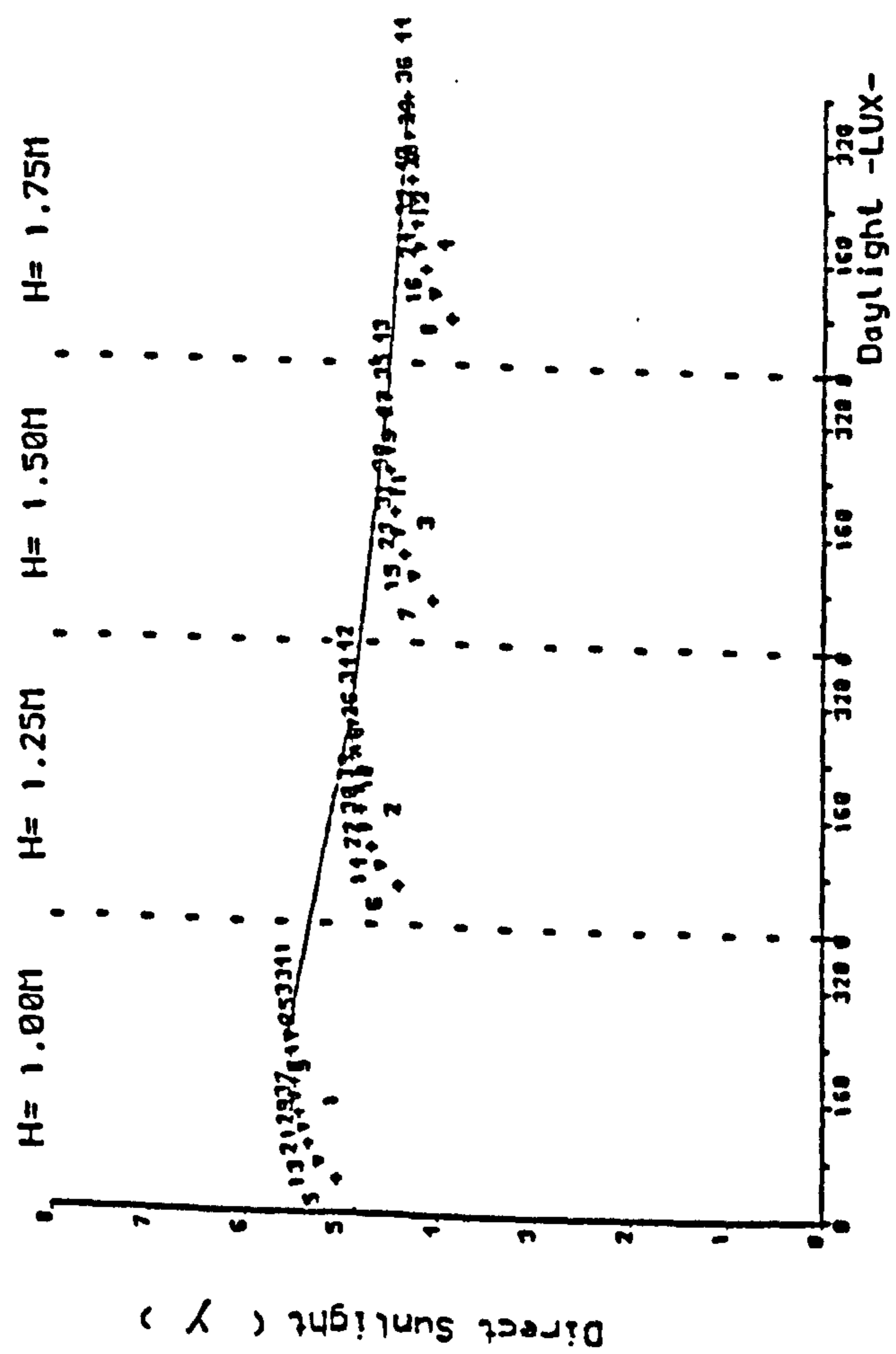
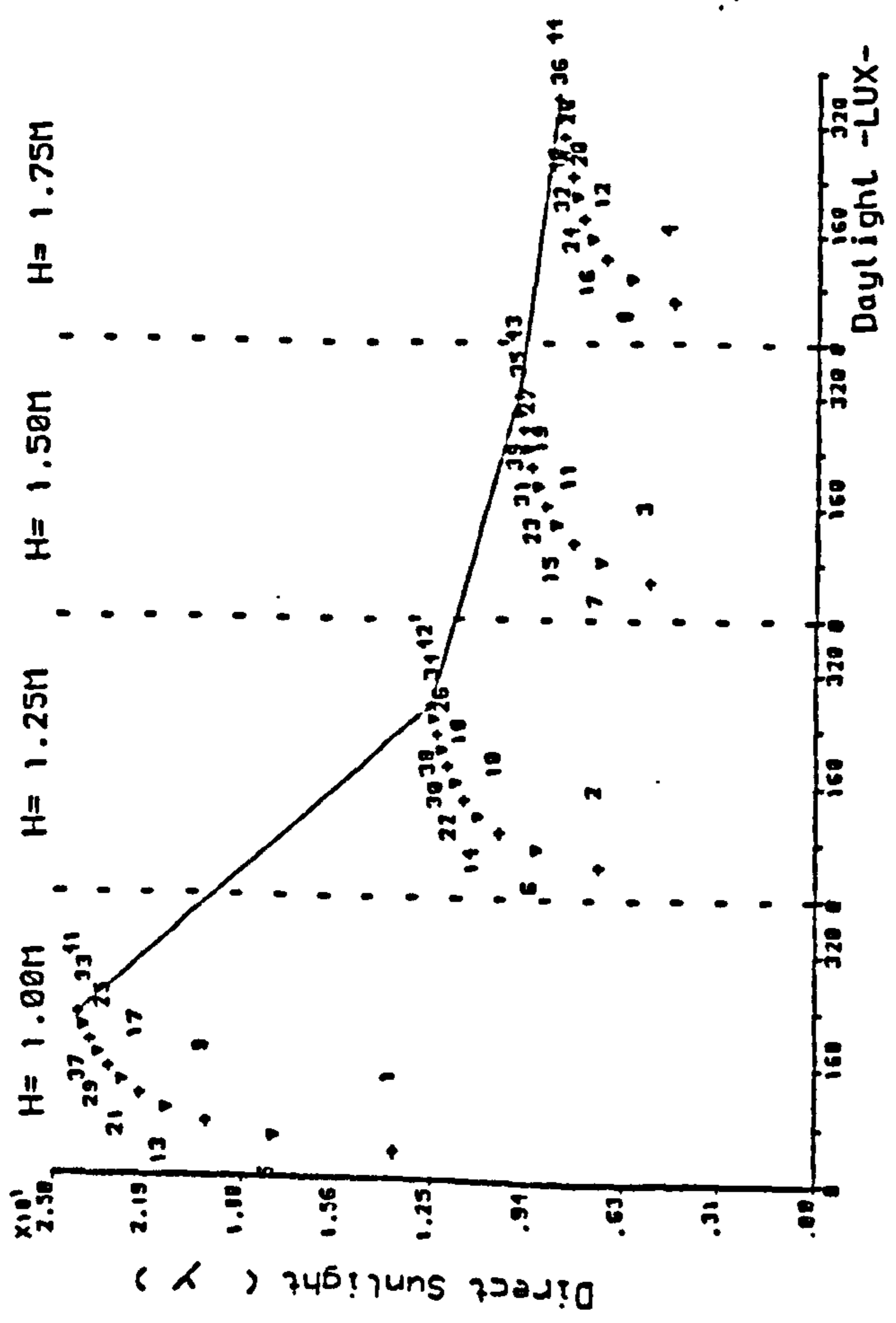


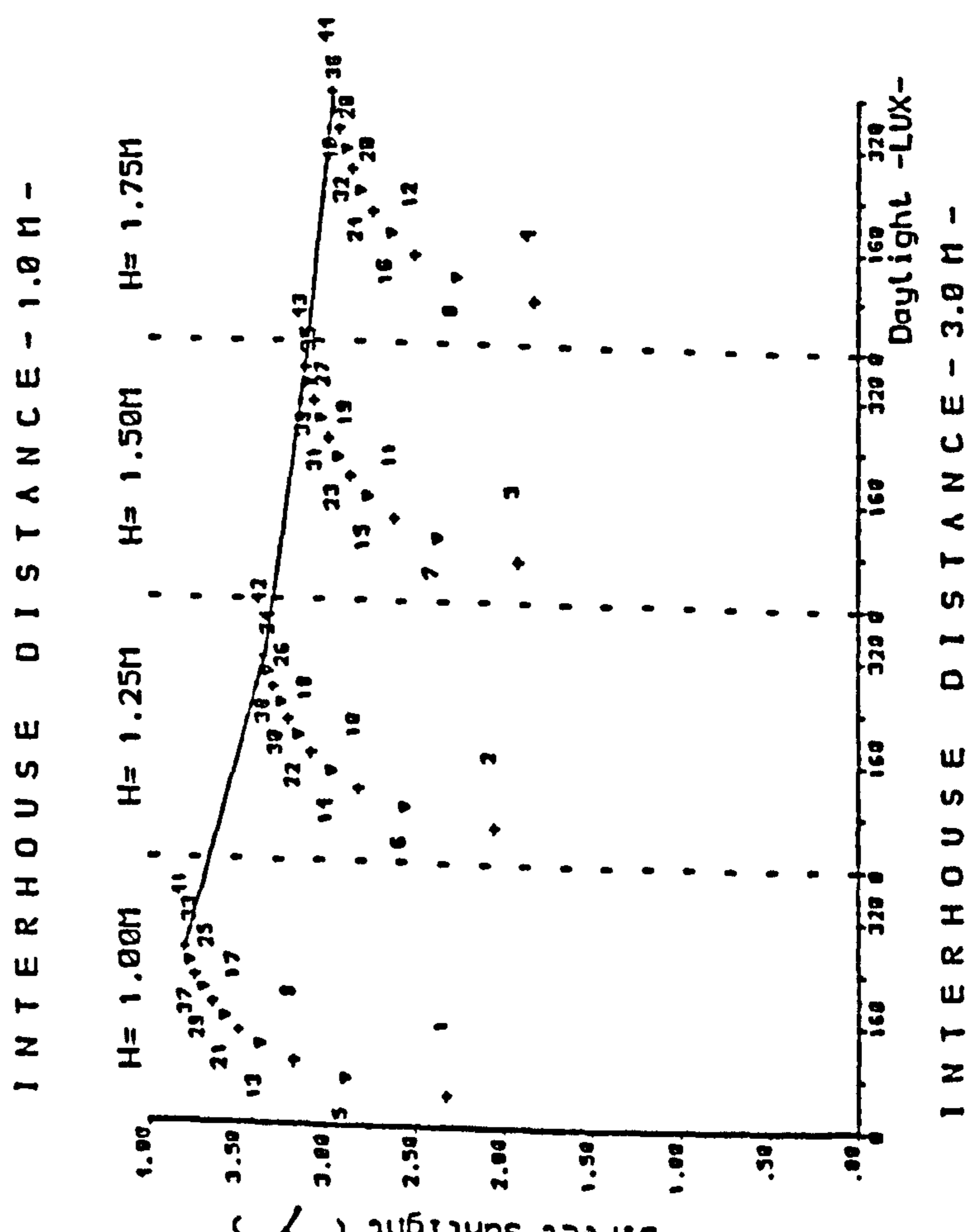
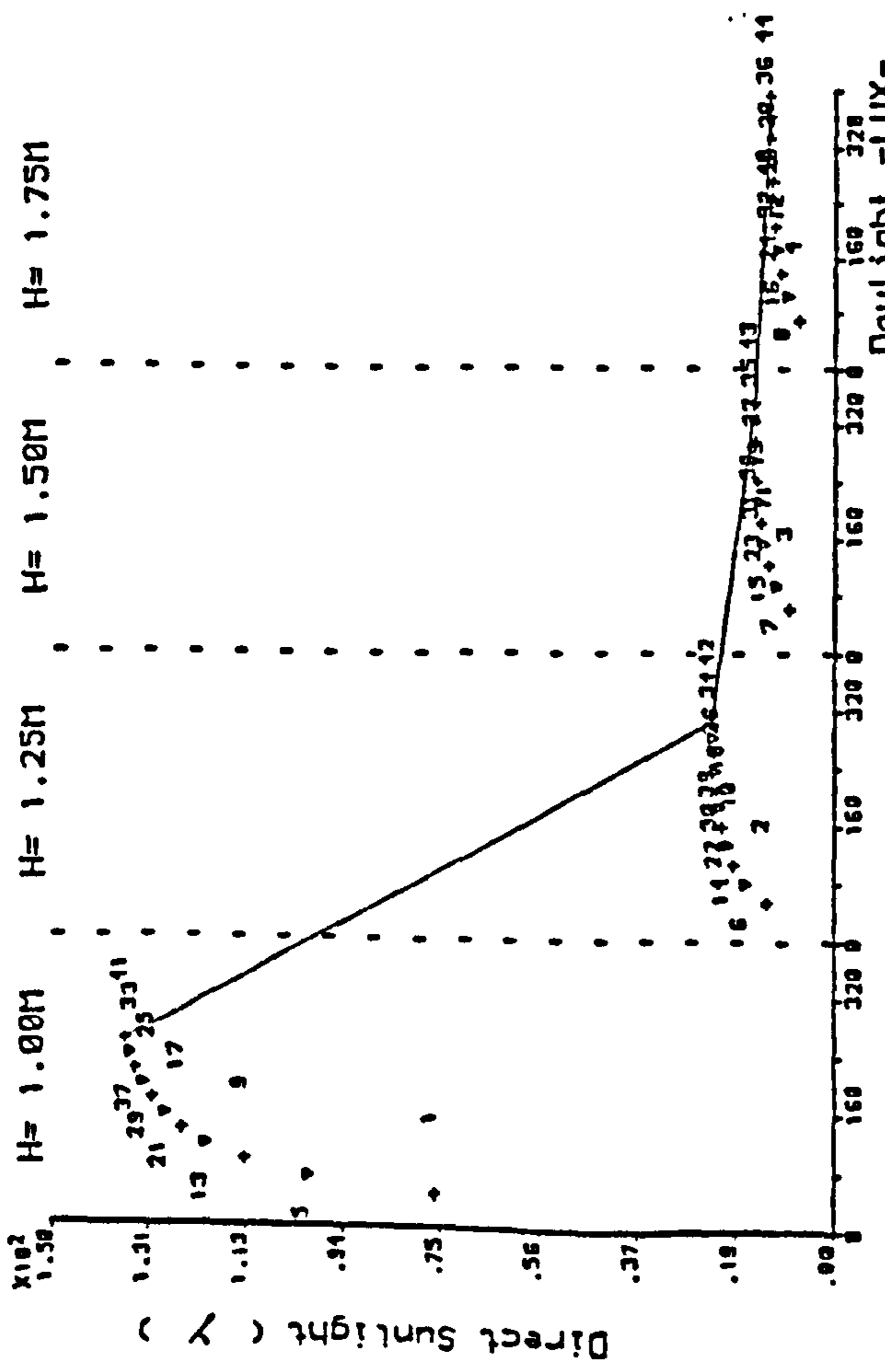
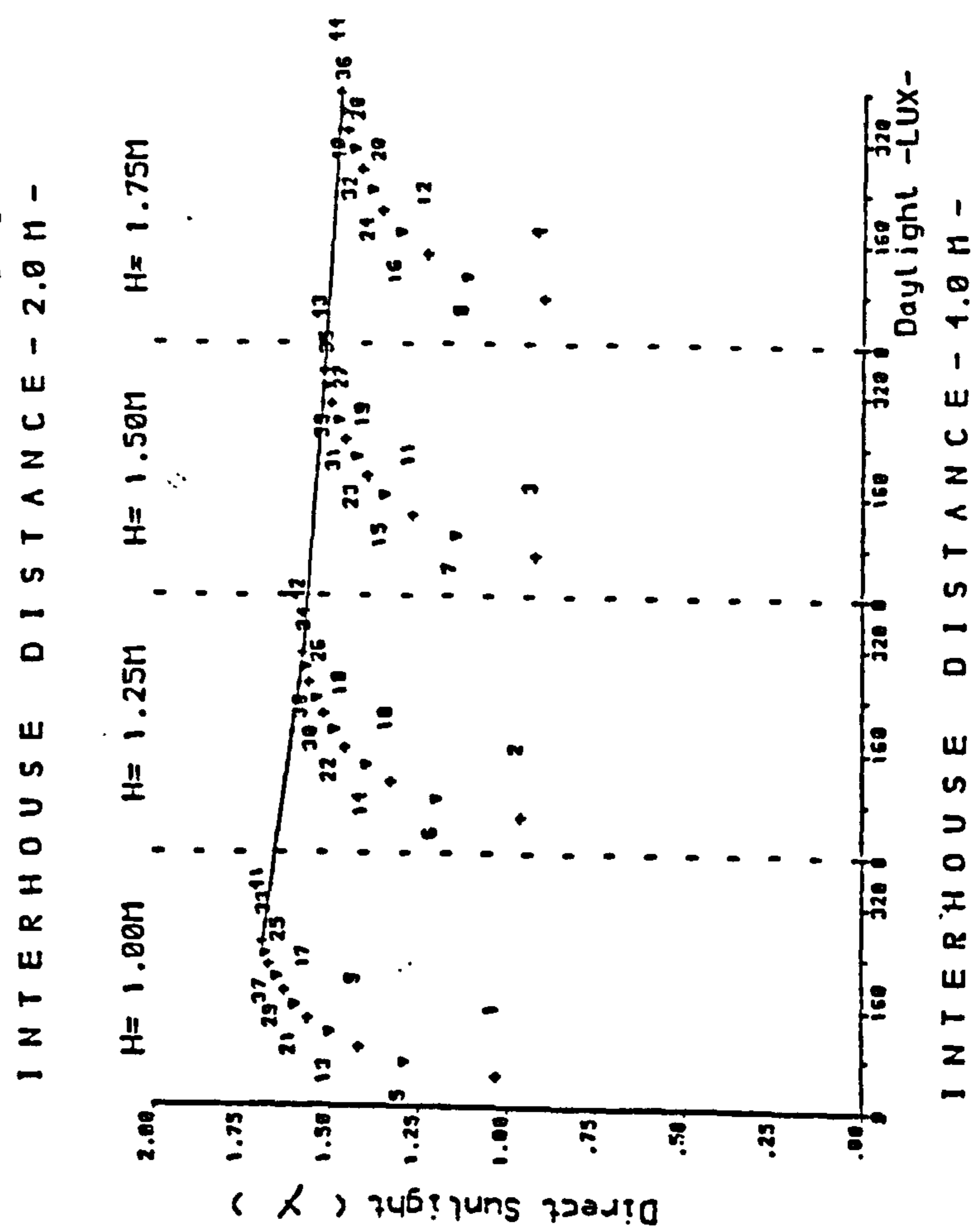
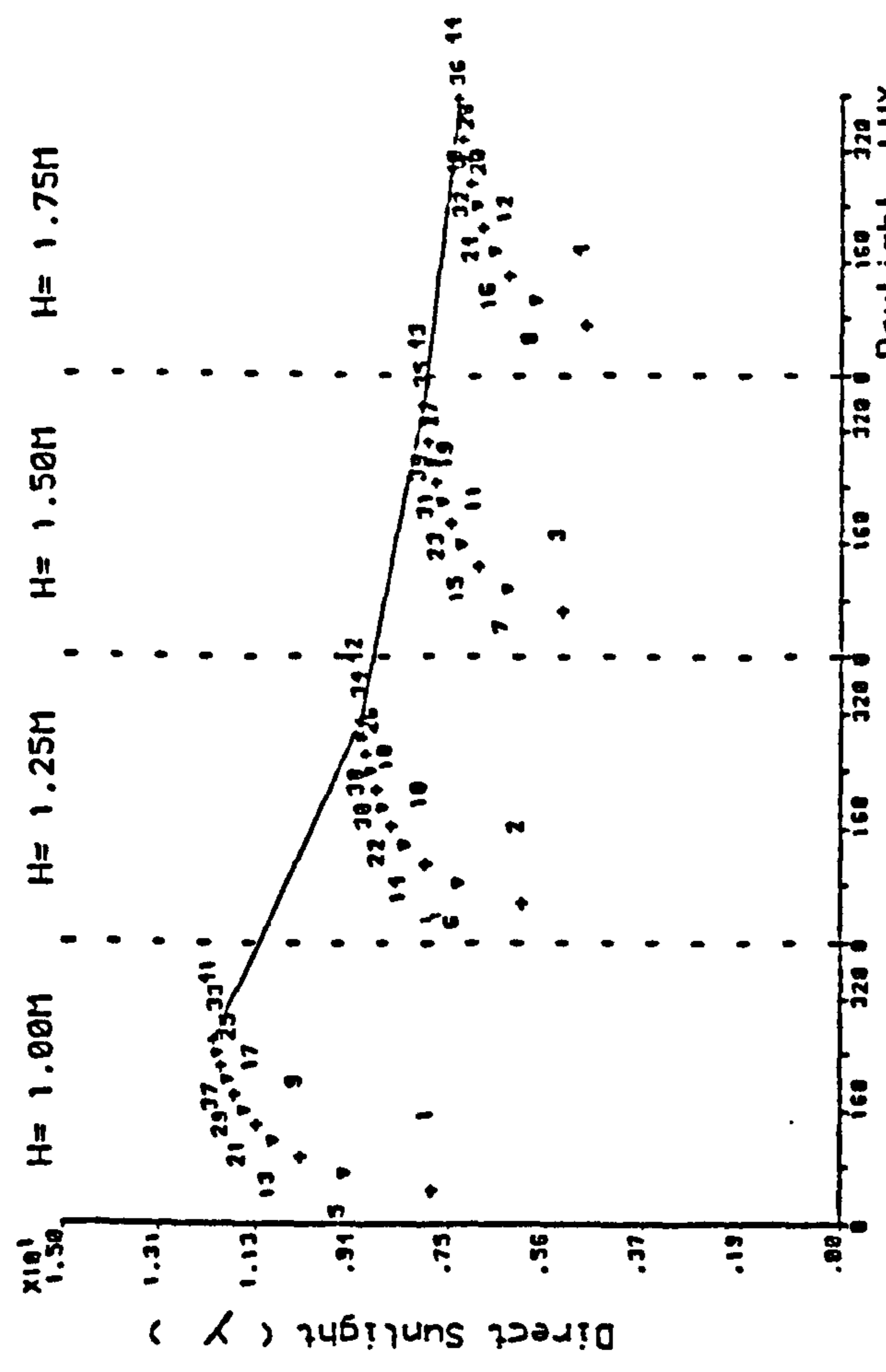




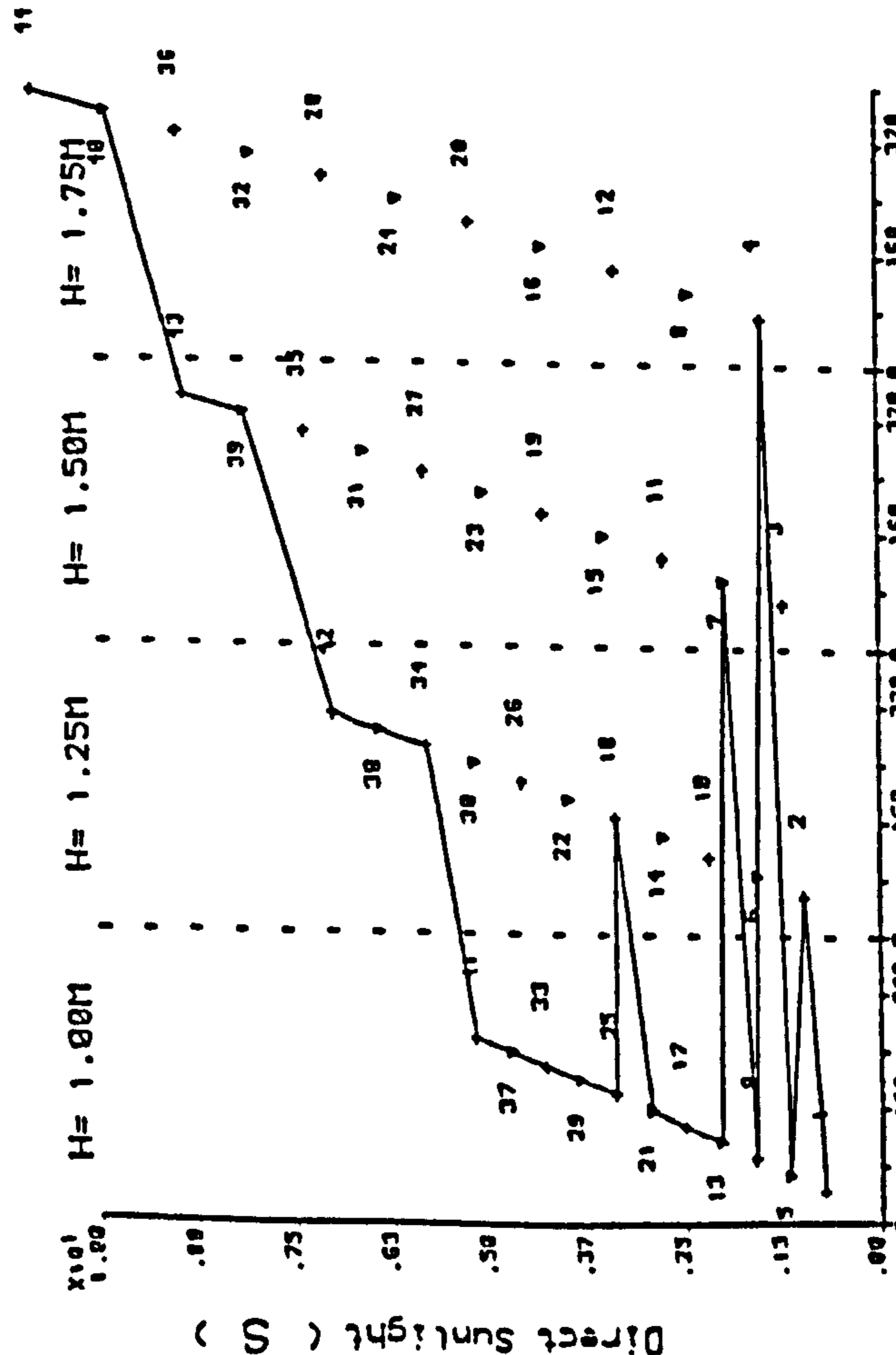
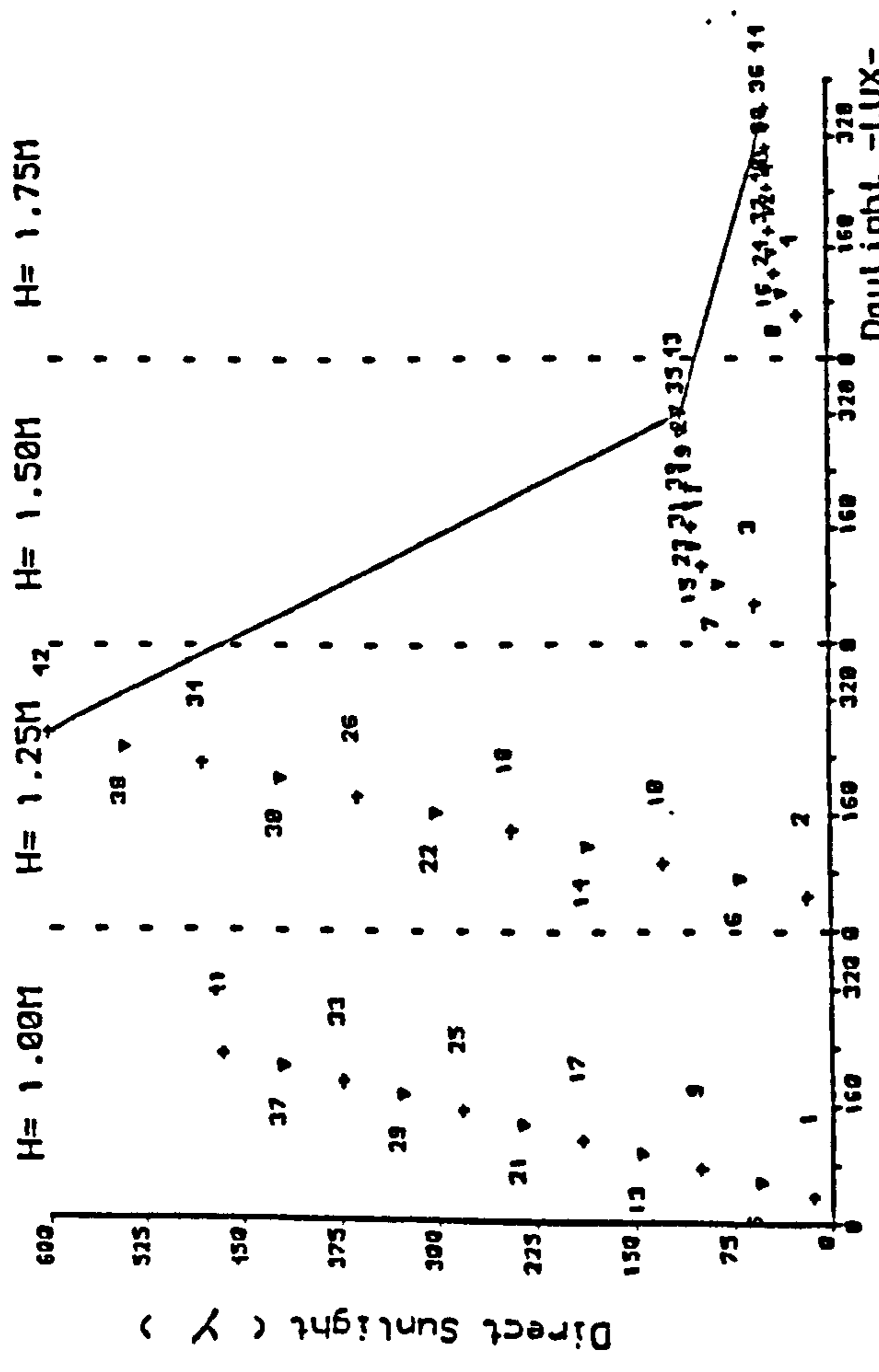
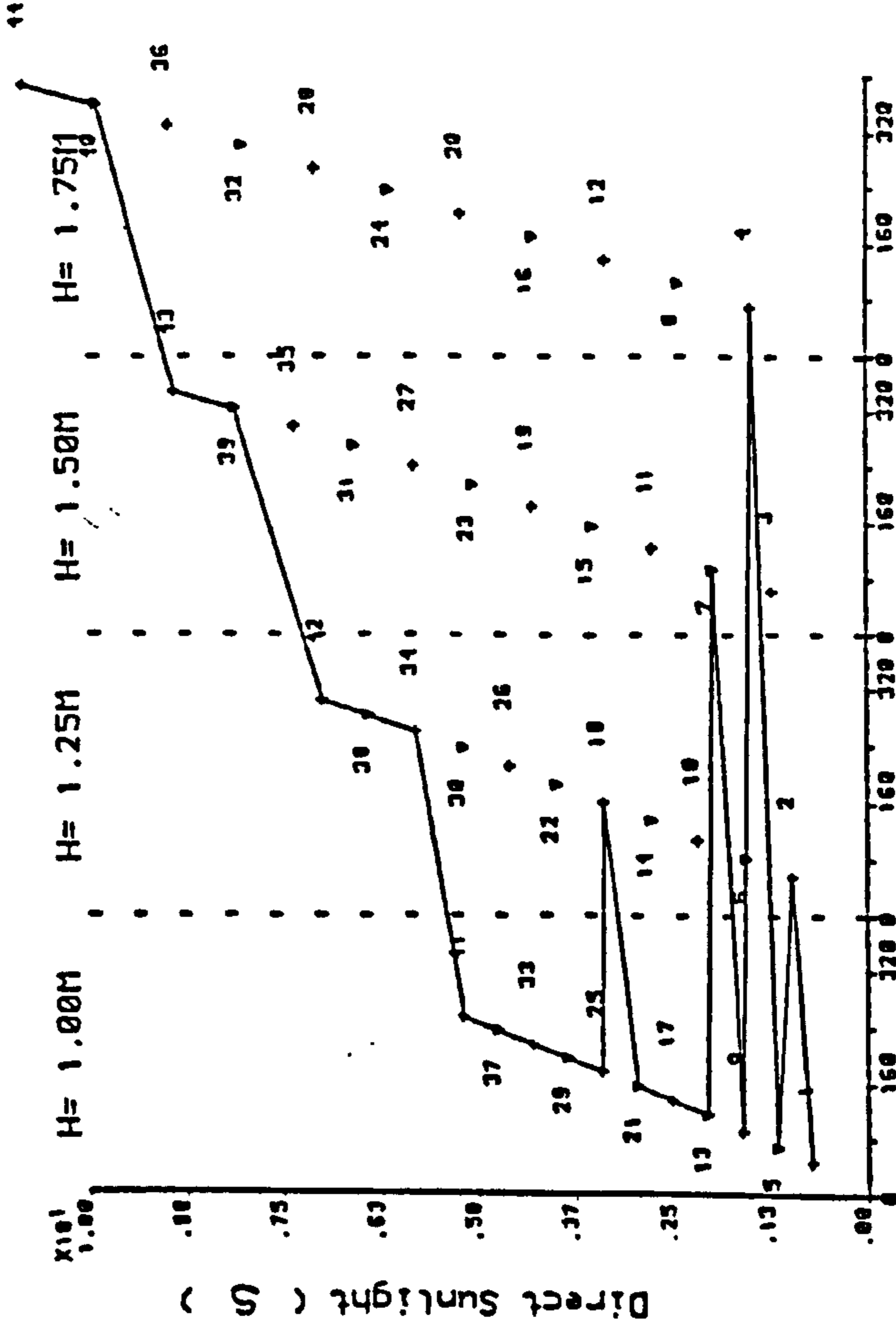
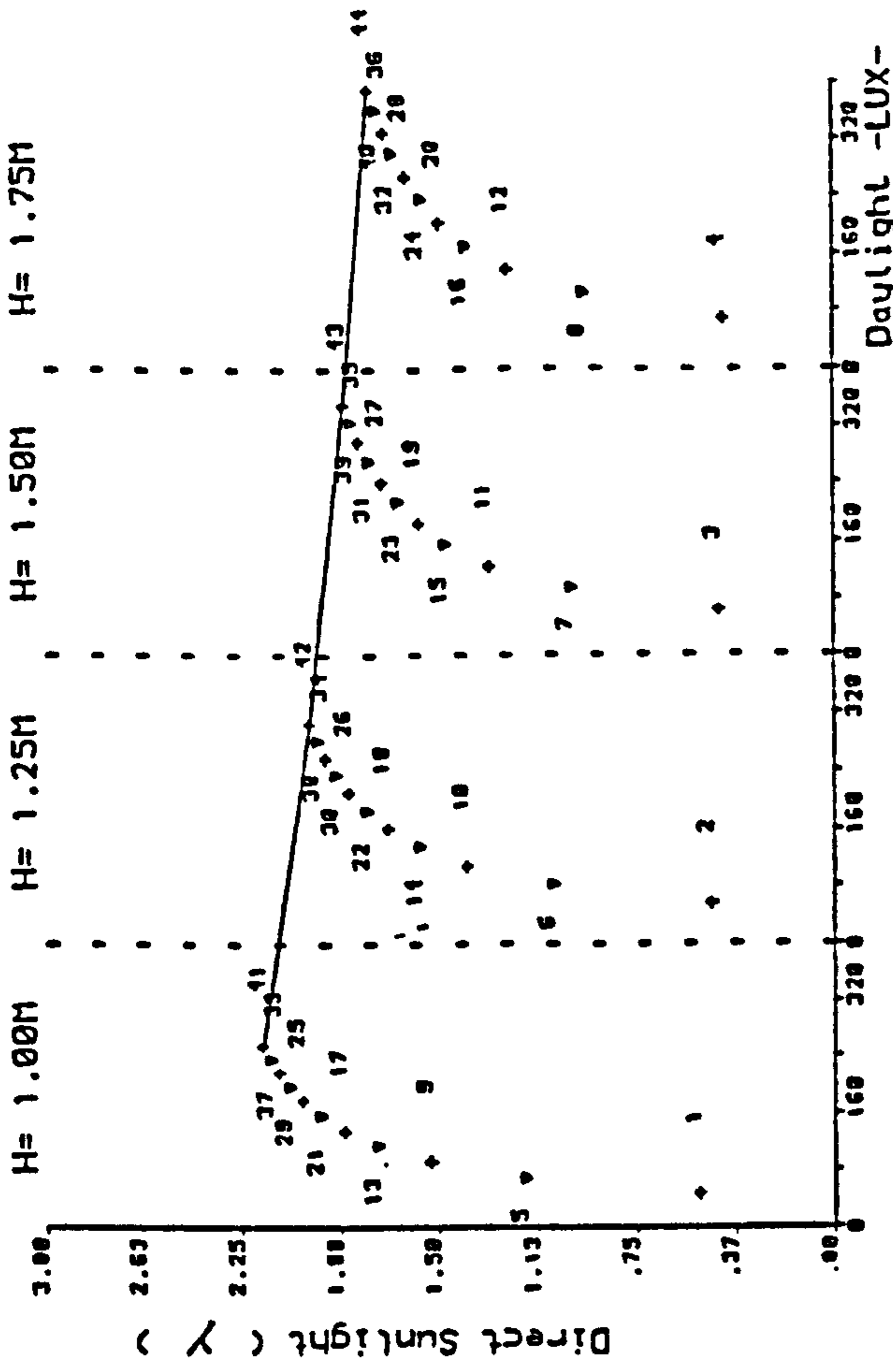


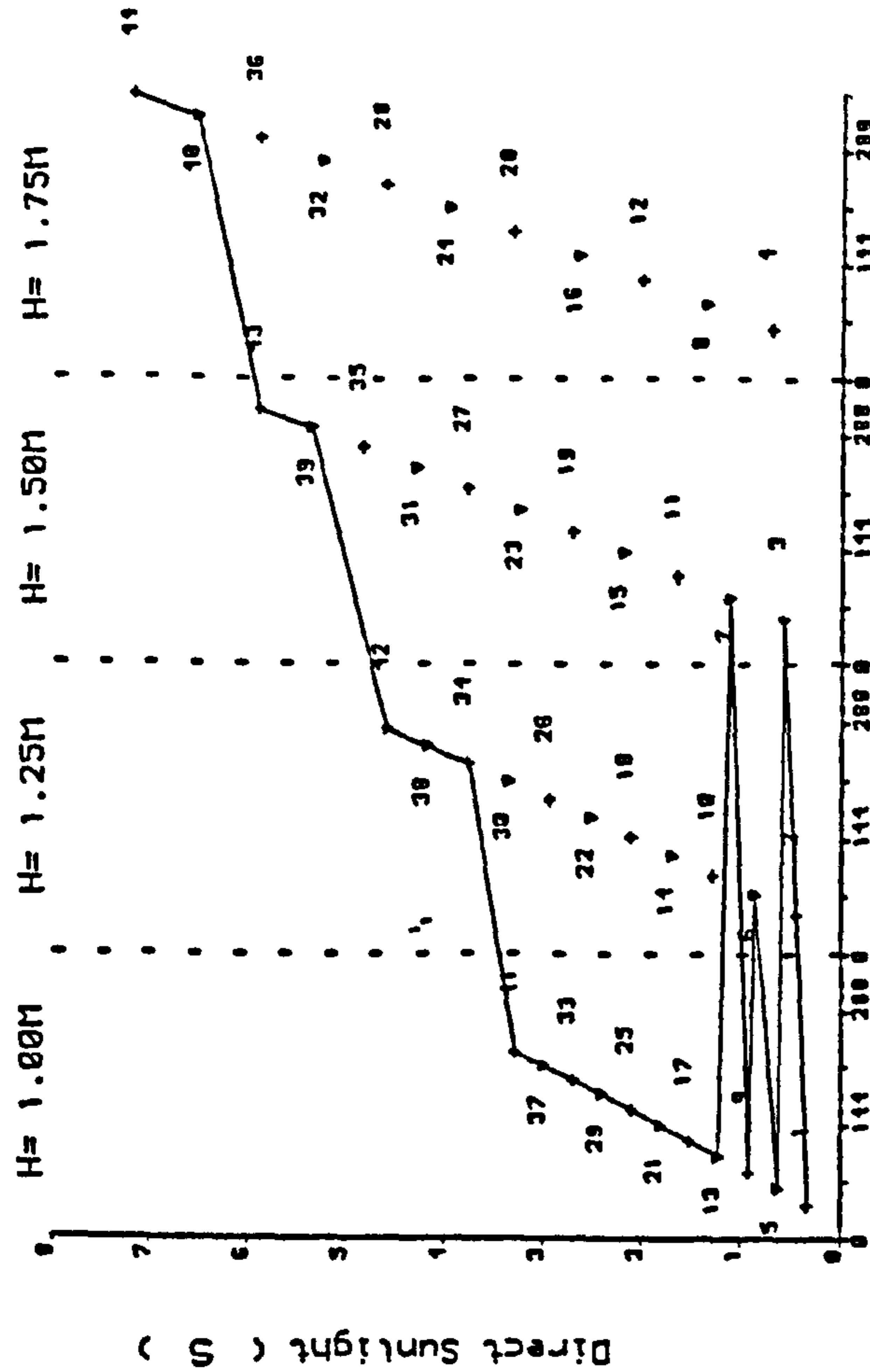




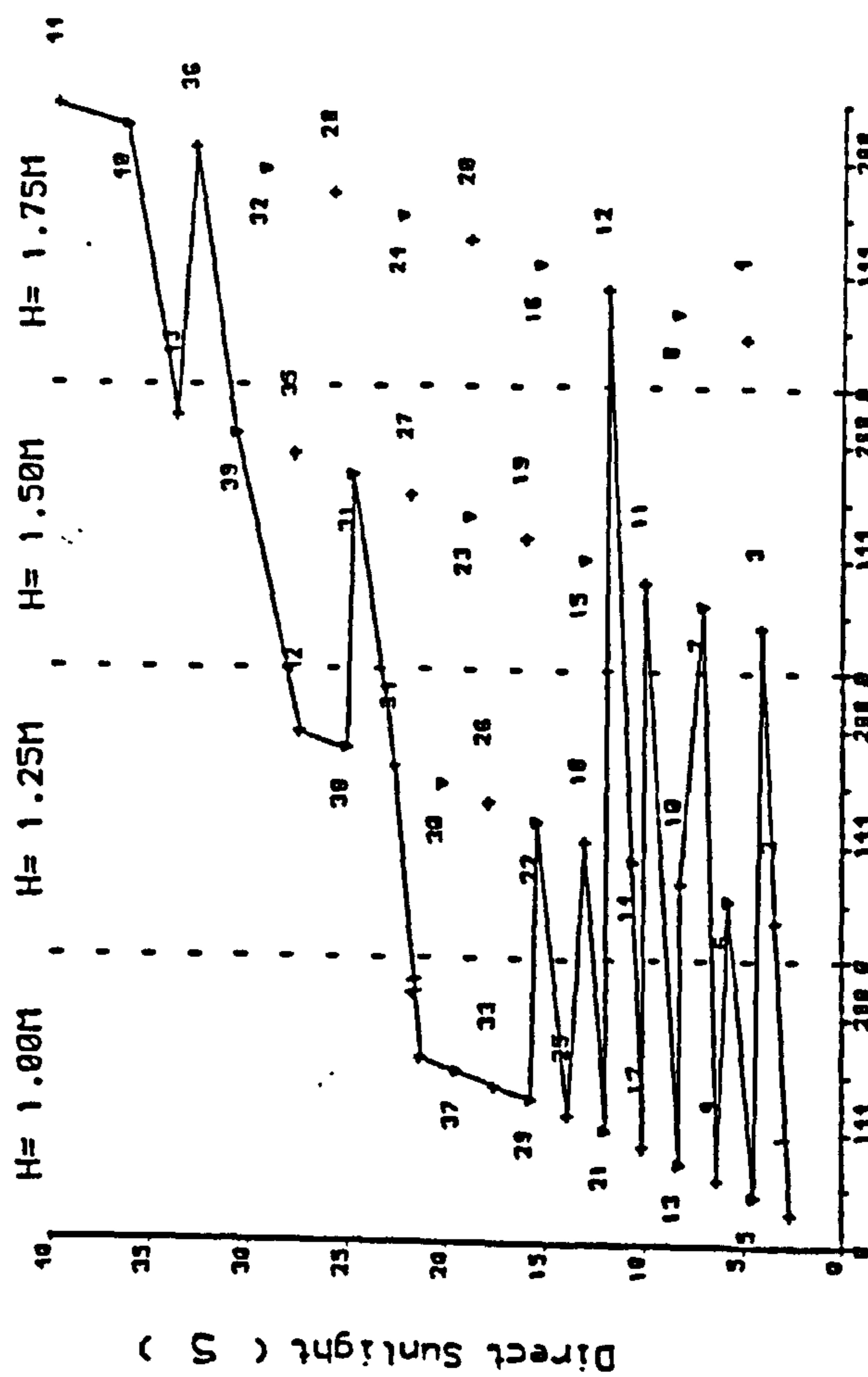




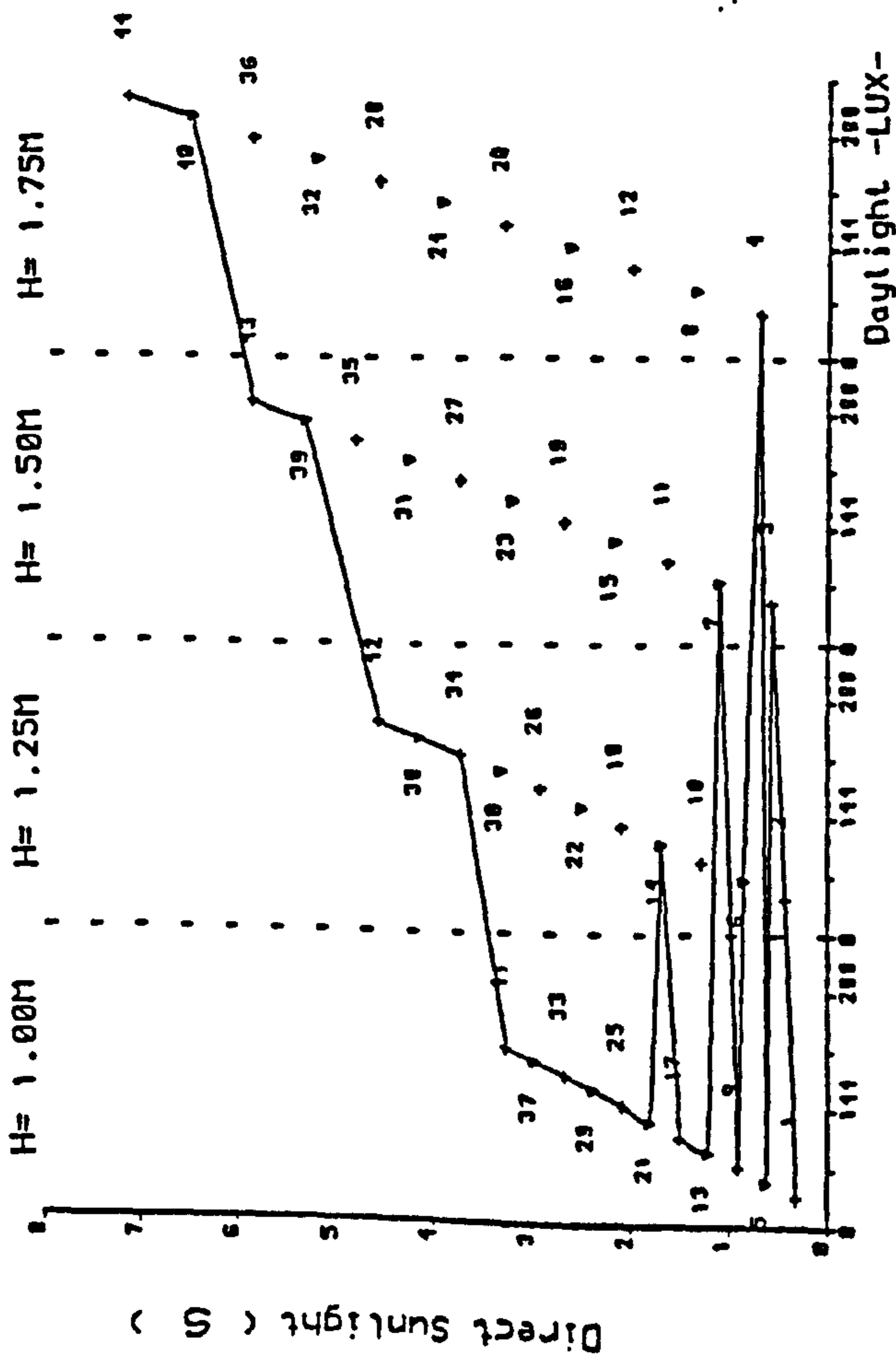




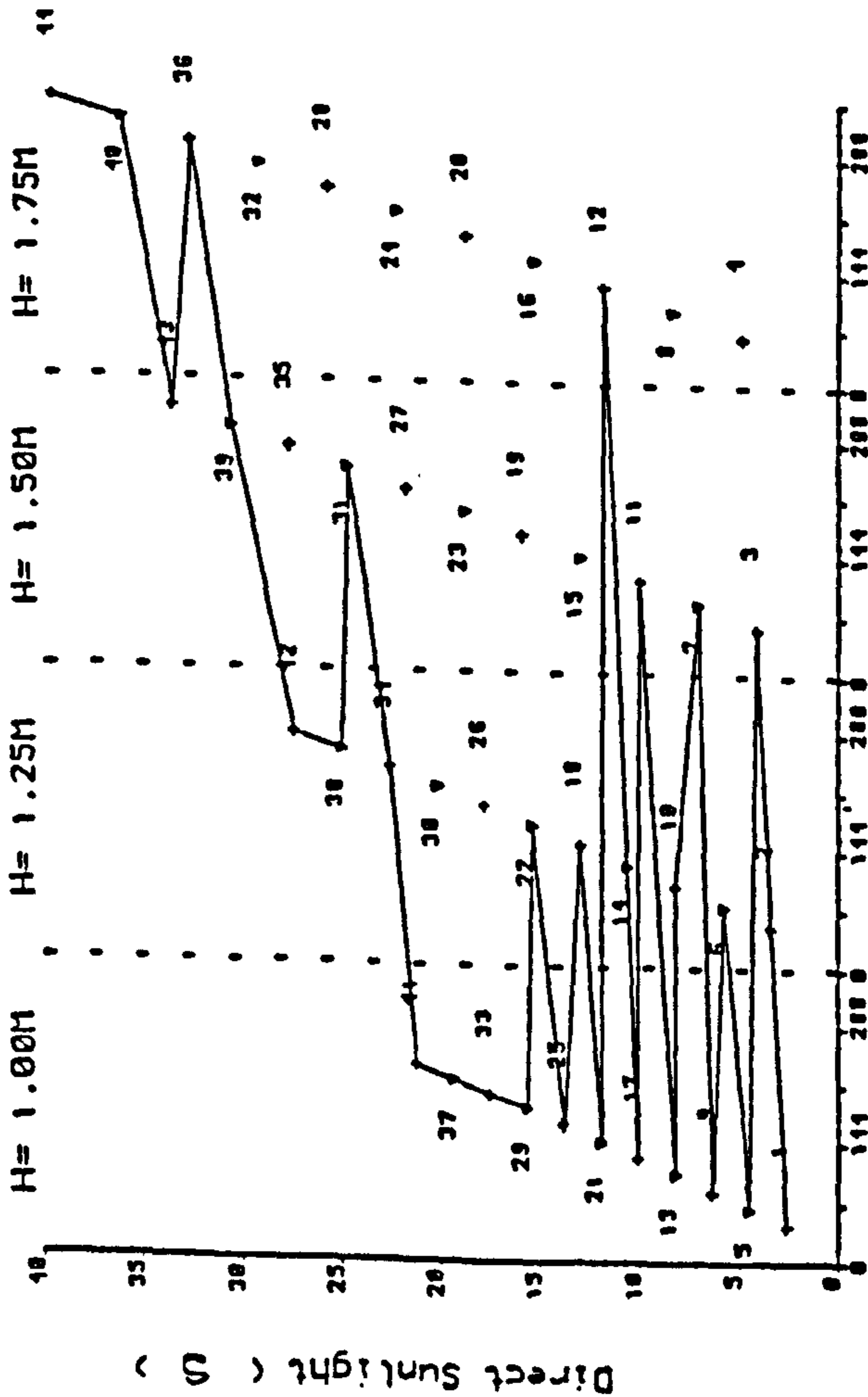
INTERHOUSE DISTANCE - 2.0 M -



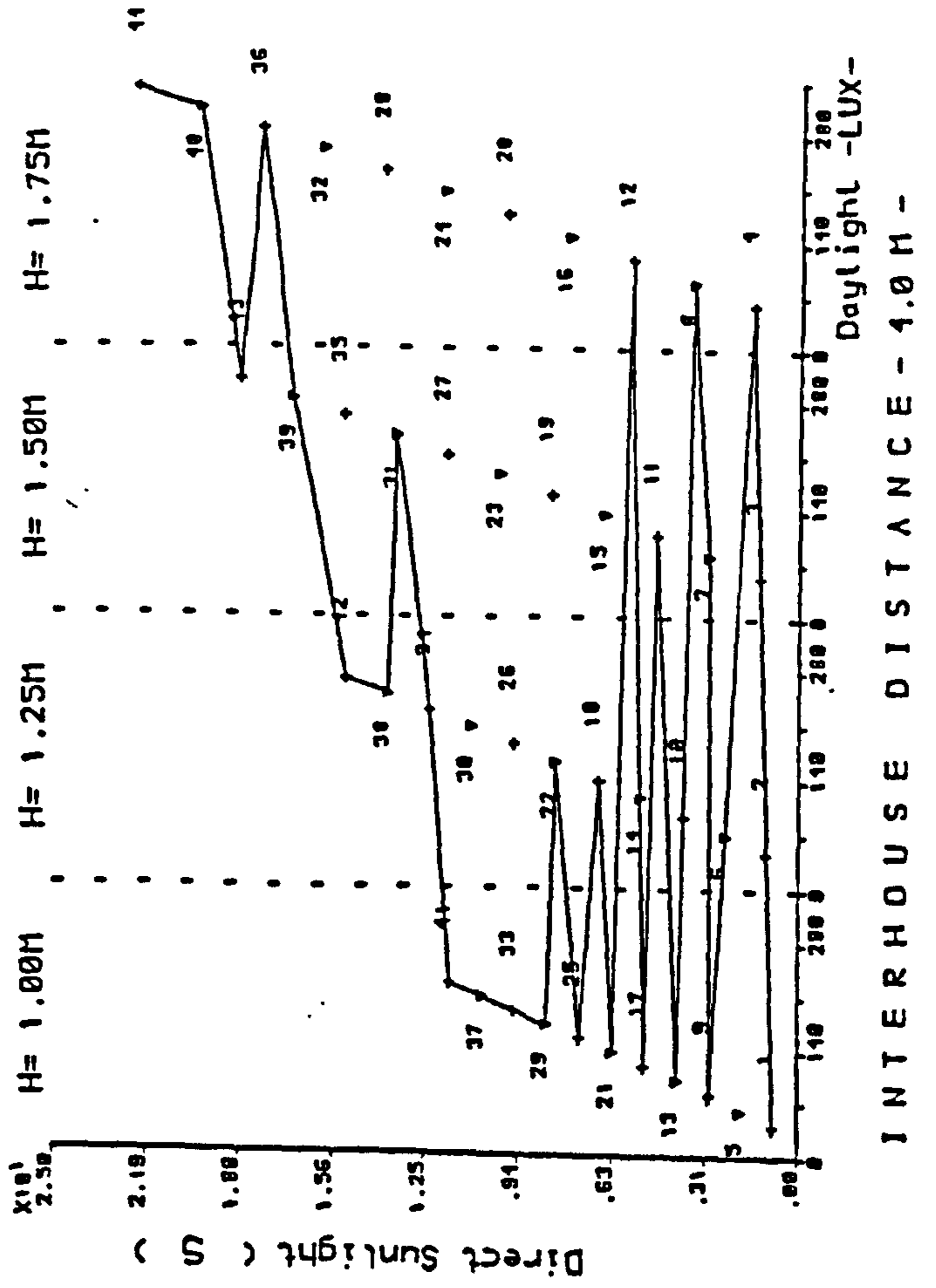
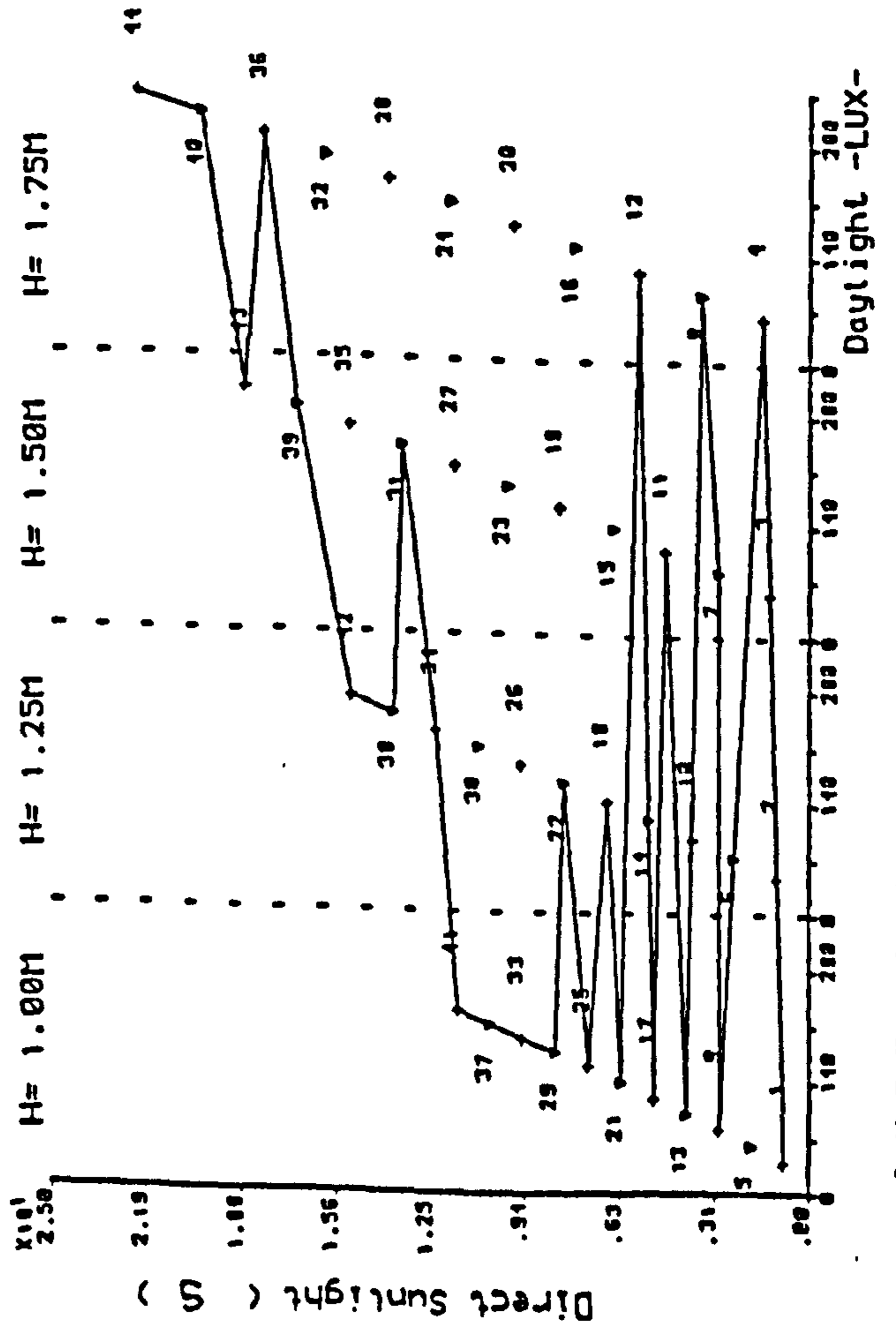
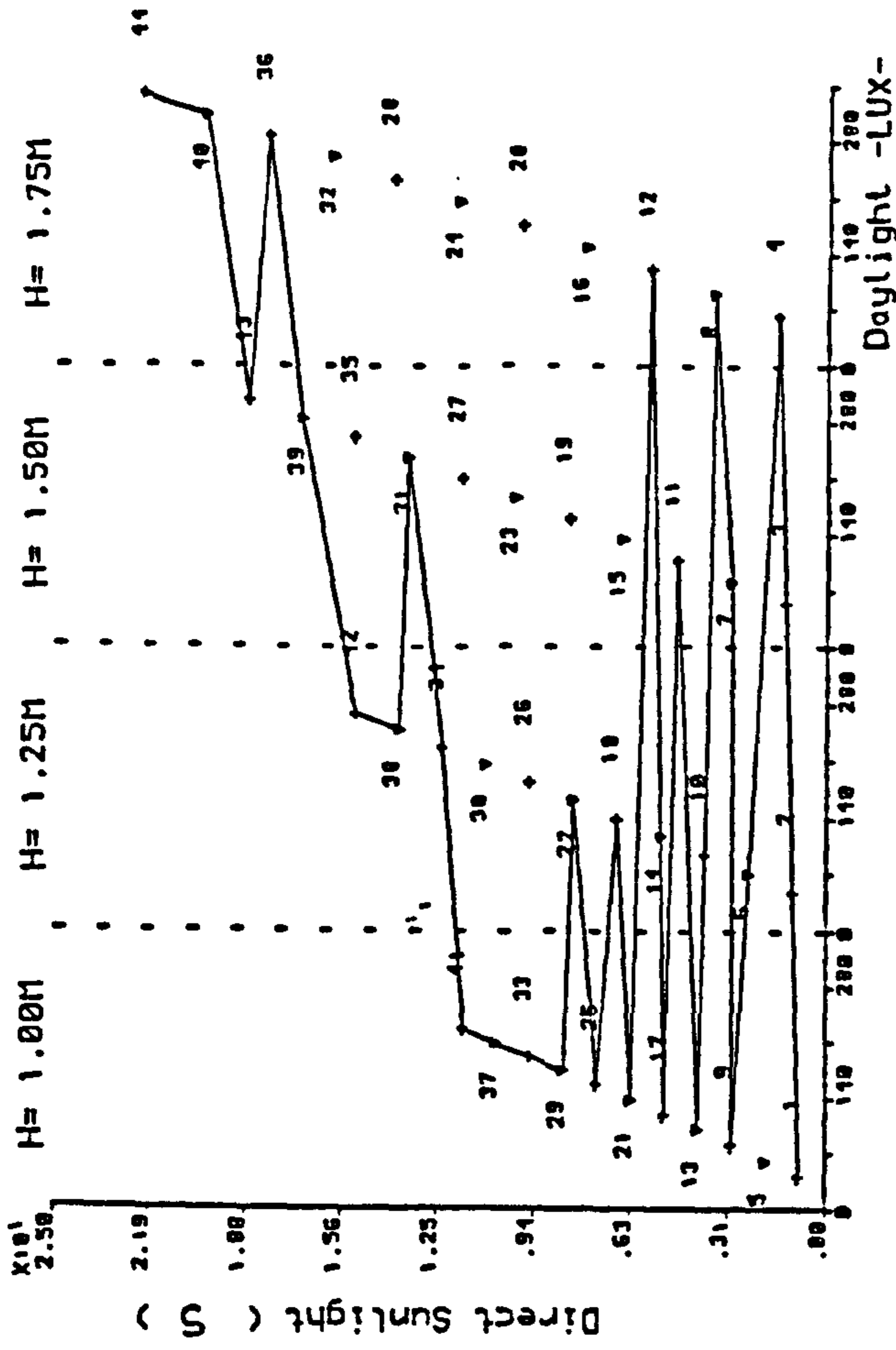
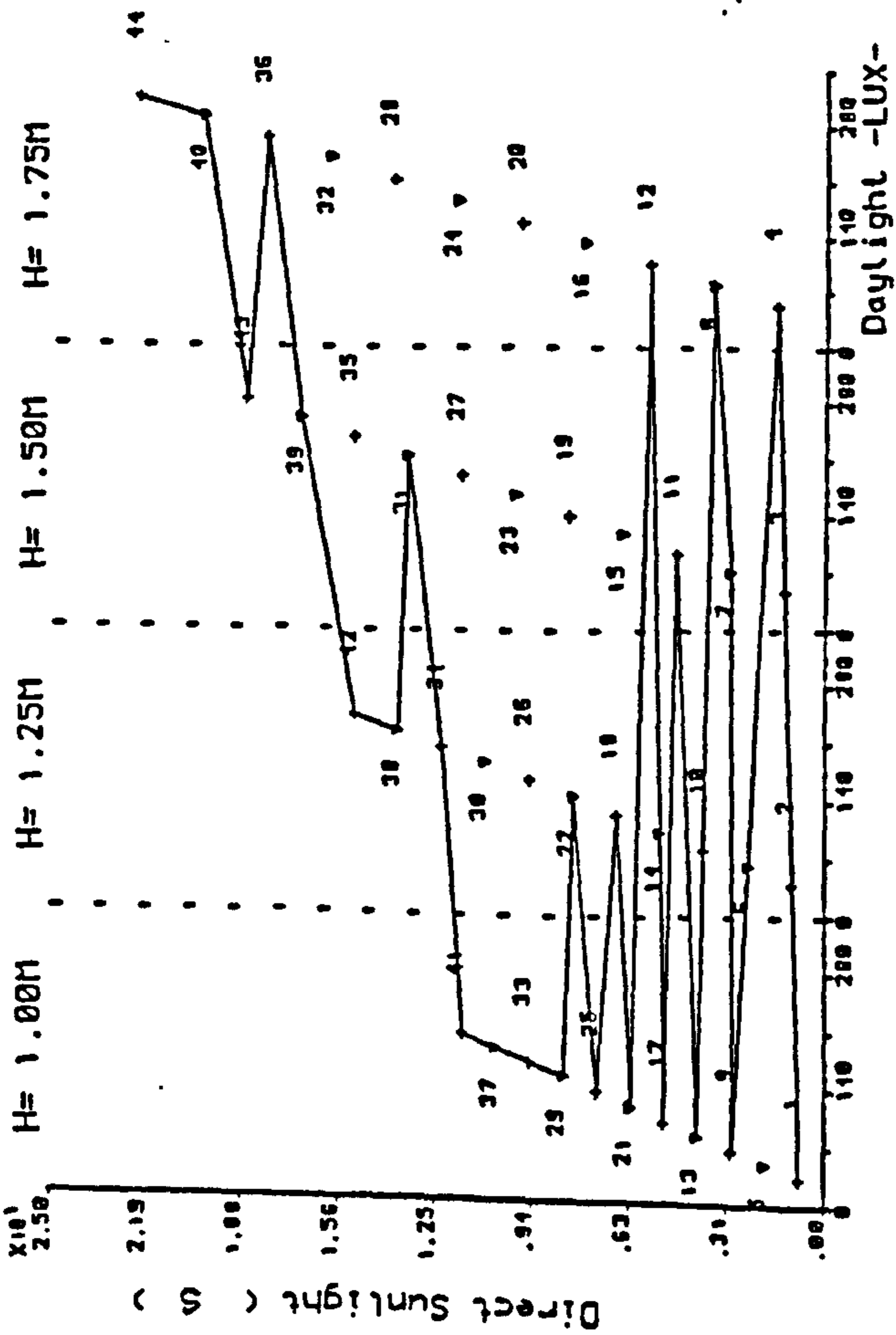
INTERHOUSE DISTANCE - 4.0 M -

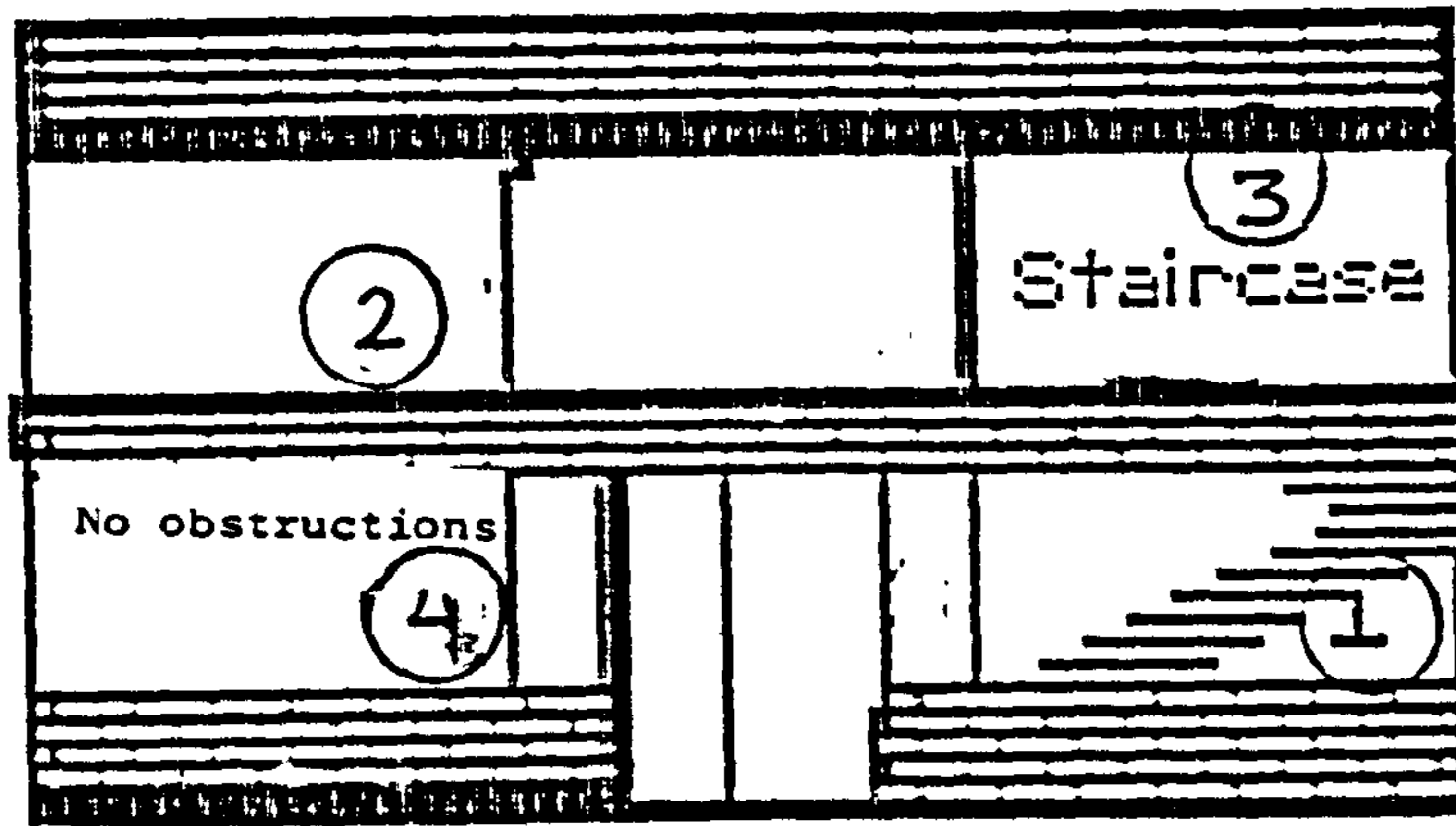


INTERHOUSE DISTANCE - 1.0 M -



INTERHOUSE DISTANCE - 3.0 M -





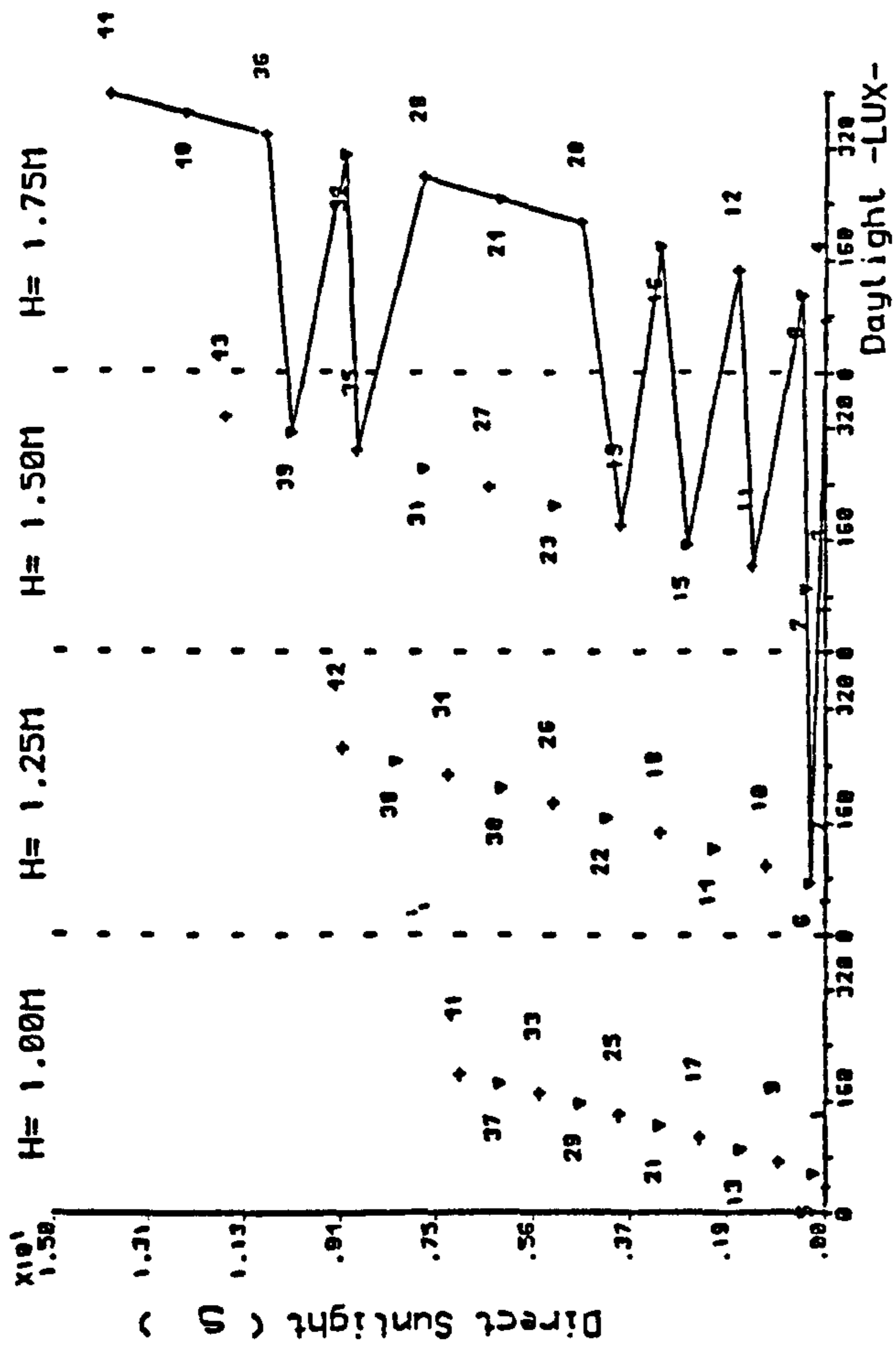
Key diagram showing the location  
of window data

Front Wall

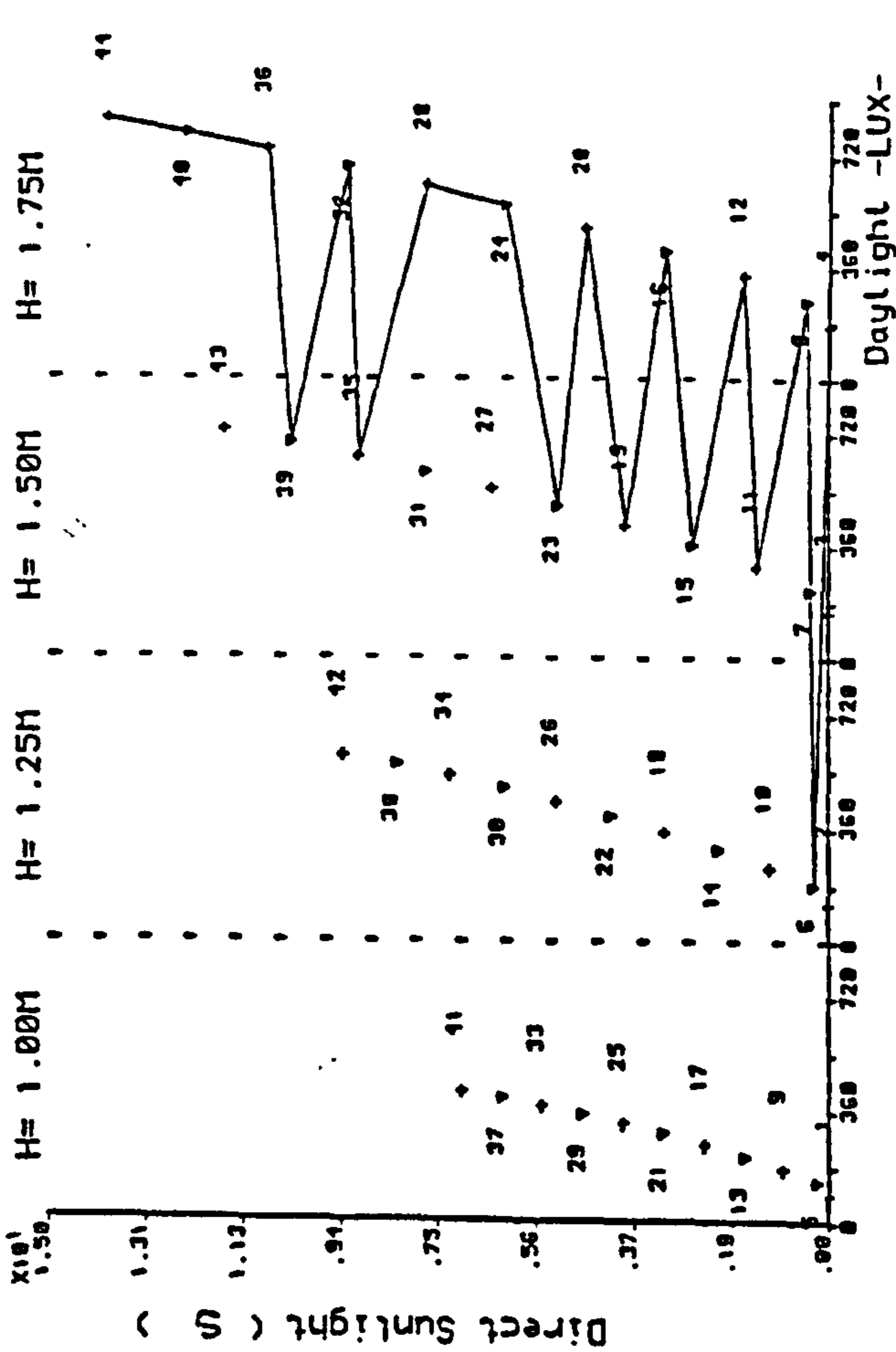
1 Or 2 Storey

ORIENTATION	PAGE NO.
0.0	1679
22.5 & 337.5	1680
45 & 315	1681
67.5 & 292.5	1682
90 & 270	1683
112.5 & 247.5	1684
135 & 225	1685
157.5 & 202.5	1686
180	1687

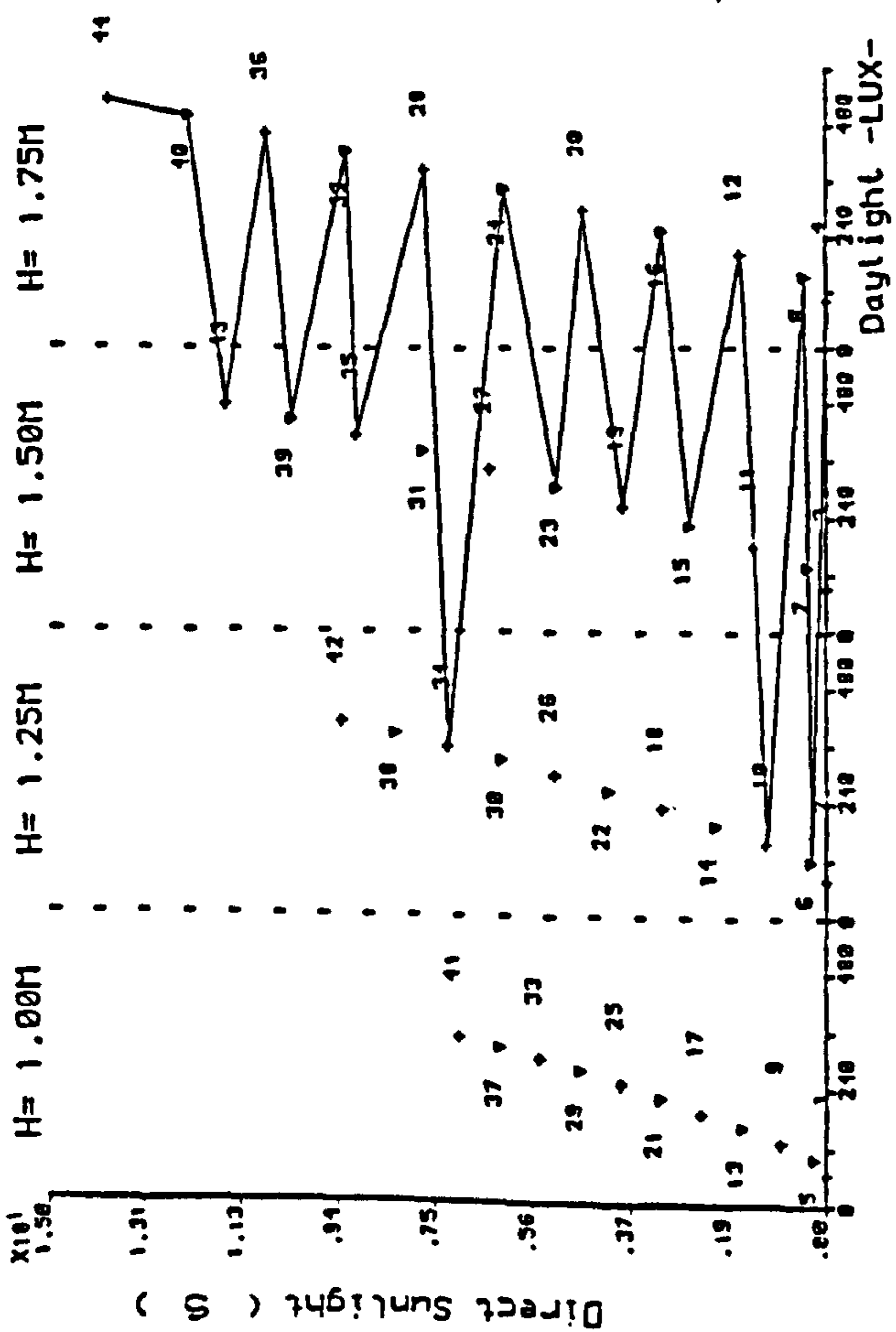




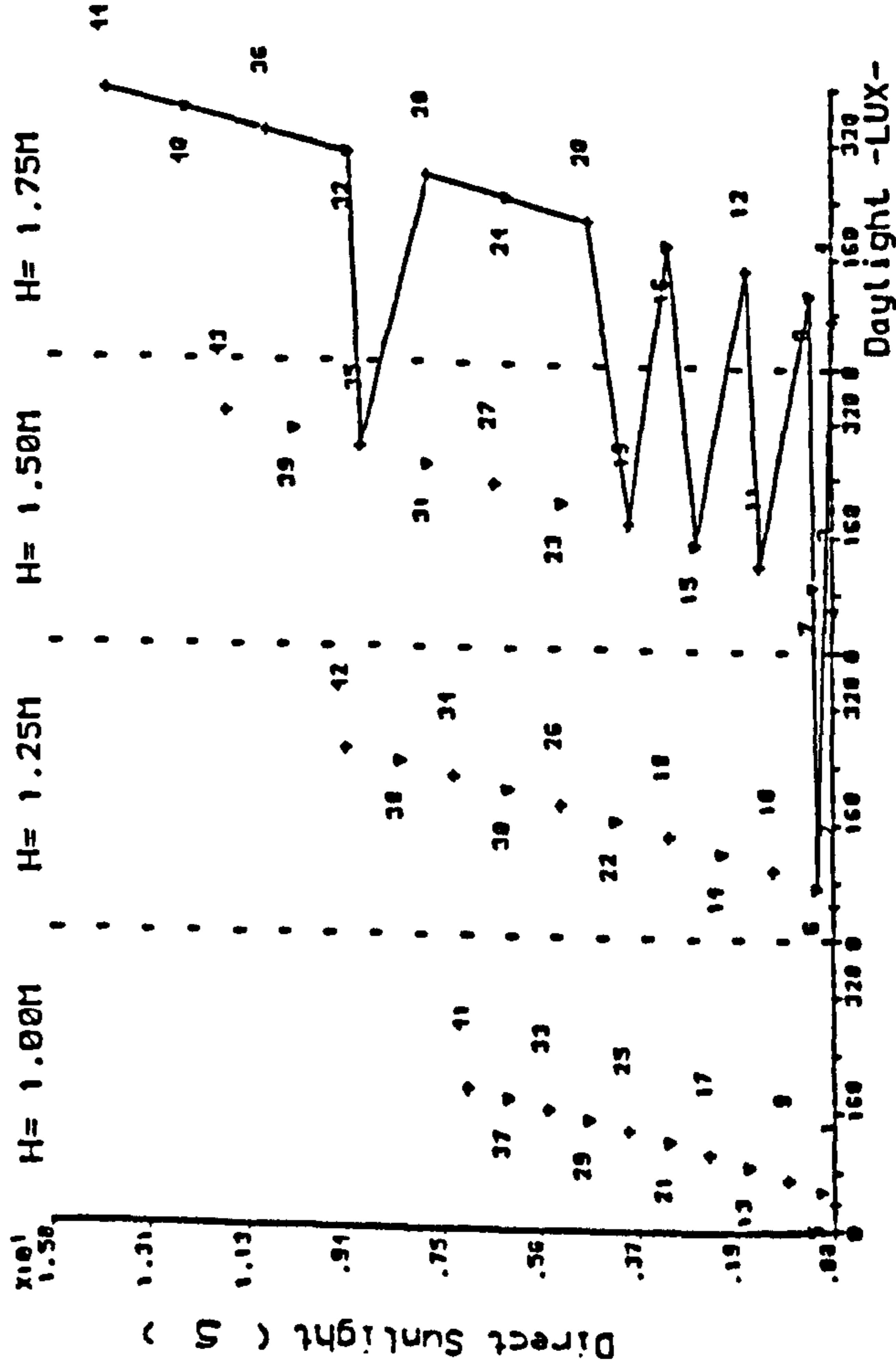
INTERHOUSE DISTANCE 38M (15). -



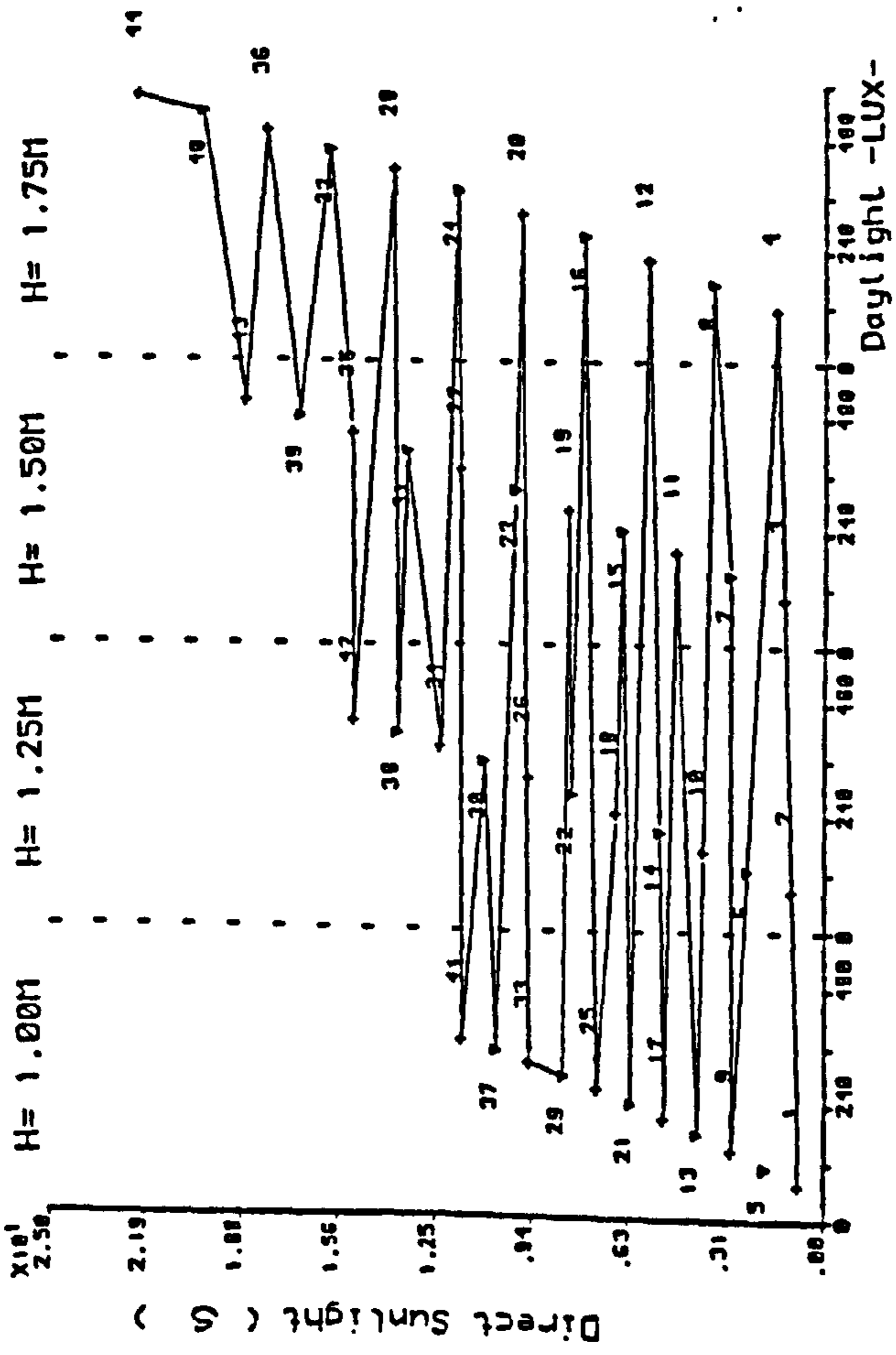
INTERHOUSE DISTANCE 38M (15) STAIRCASE -



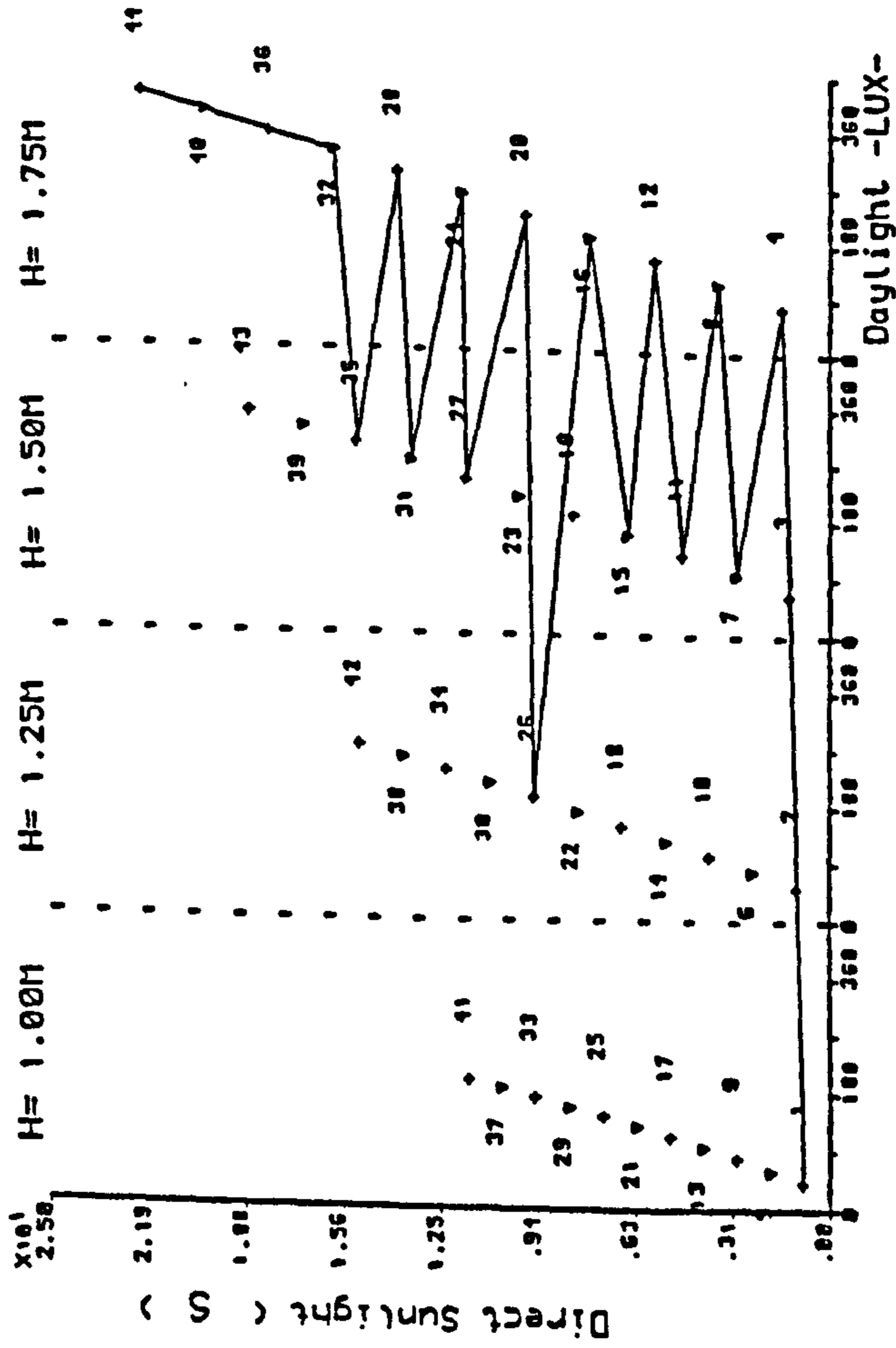
INTERHOUSE DISTANCE 22M (25). -



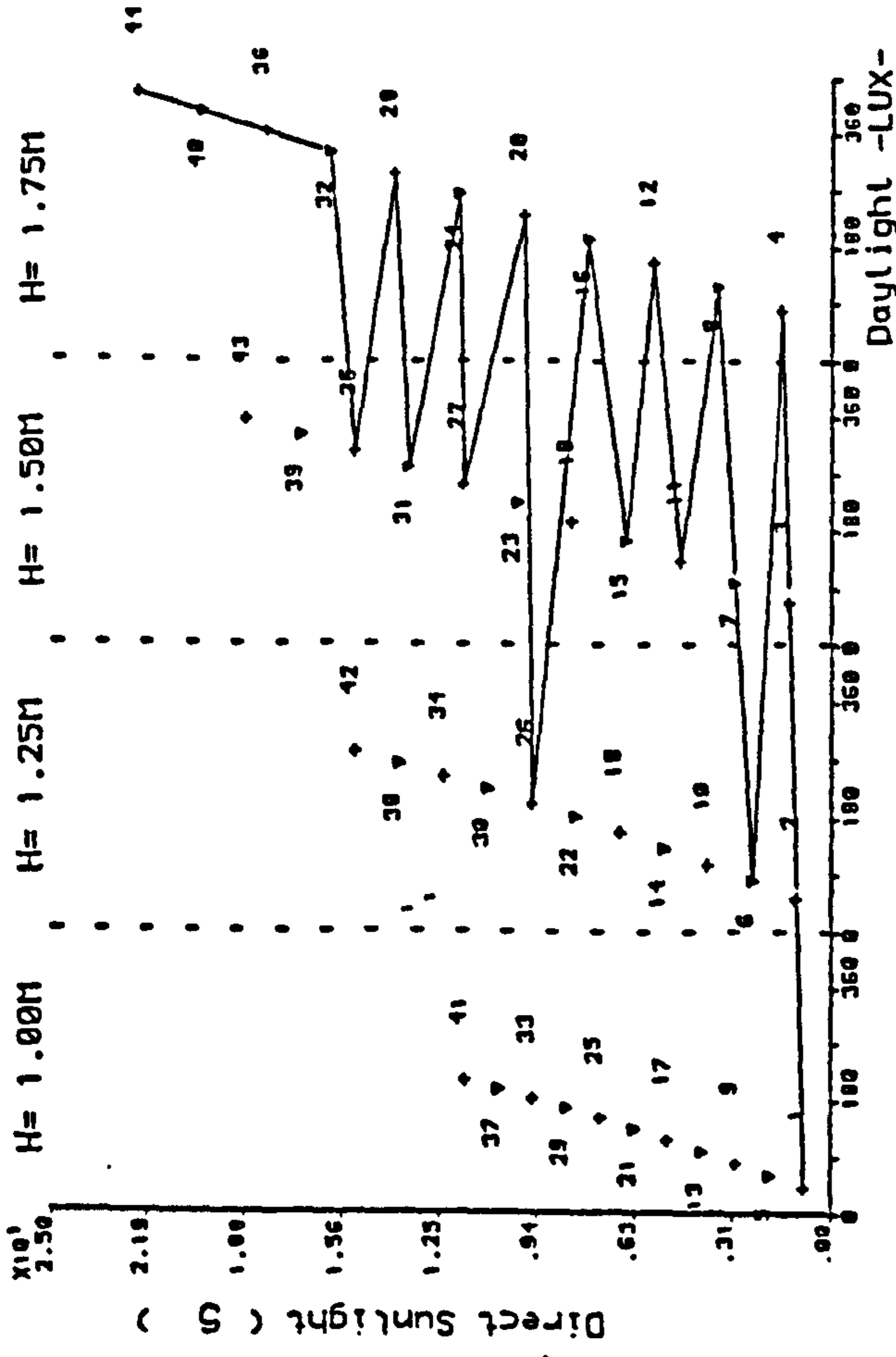
INTERHOUSE DISTANCE 30M G & F -



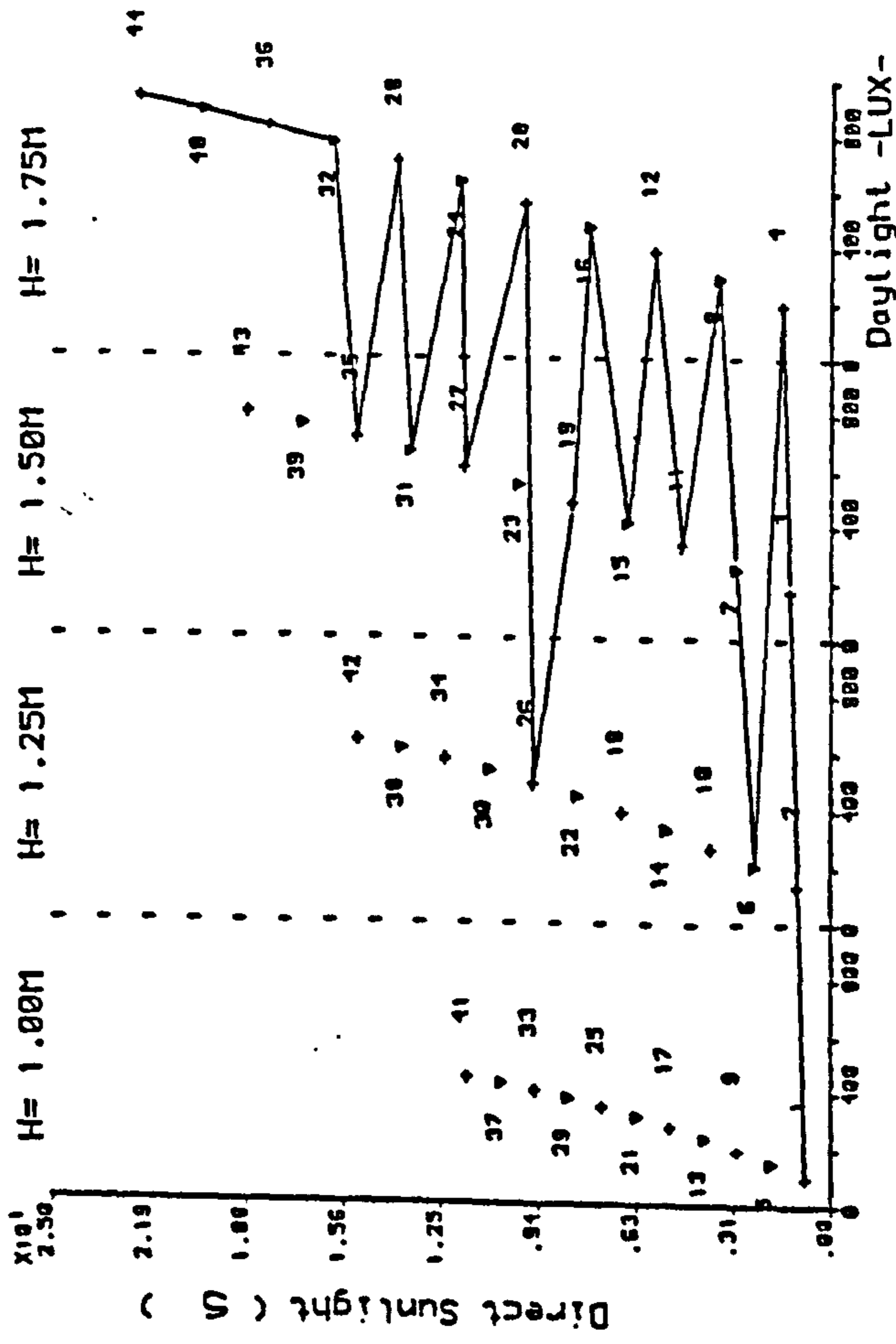
INTERHOUSE DISTANCE 22M (2S). -



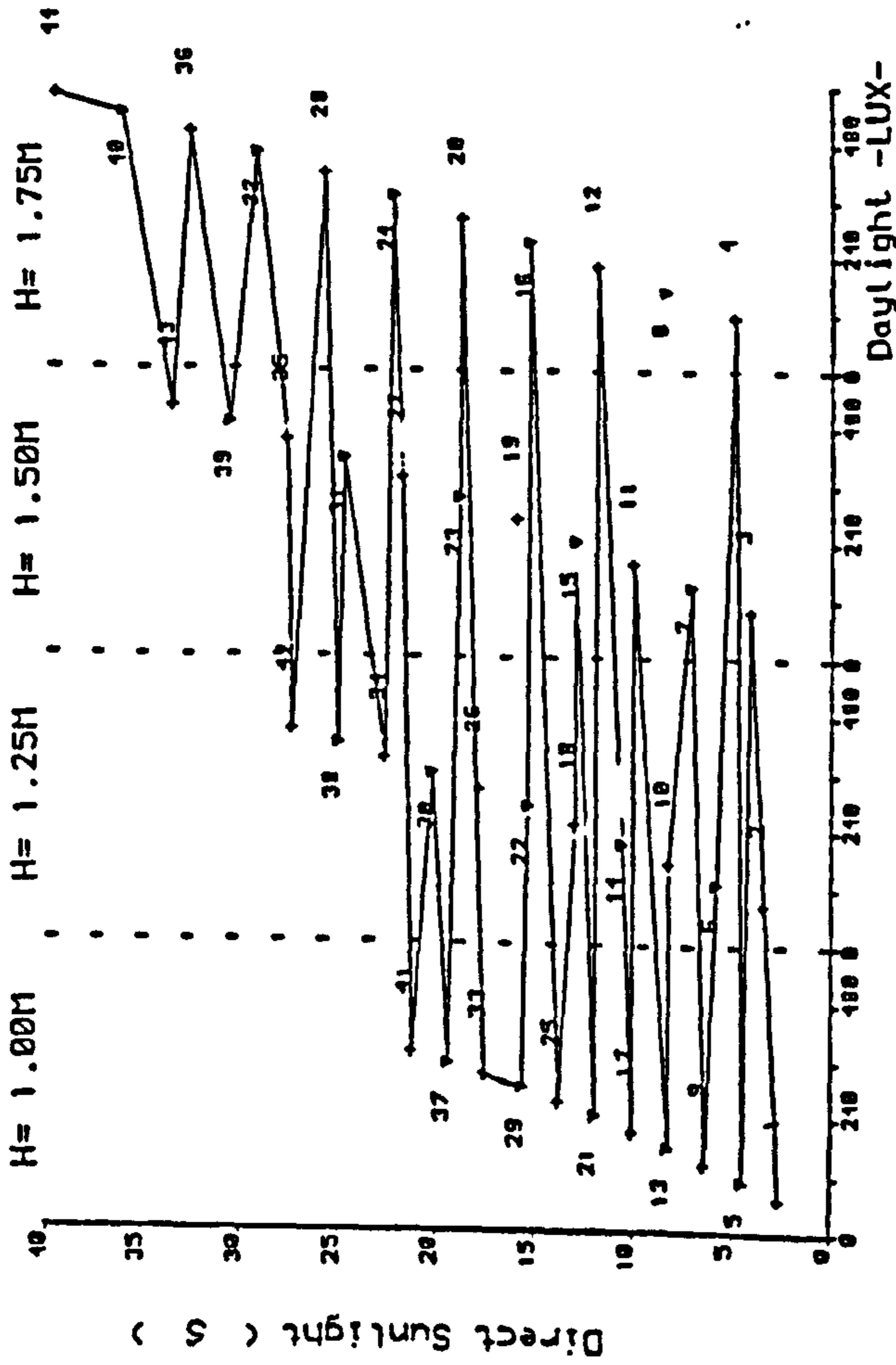
INTERHOUSE DISTANCE 300M G & F -



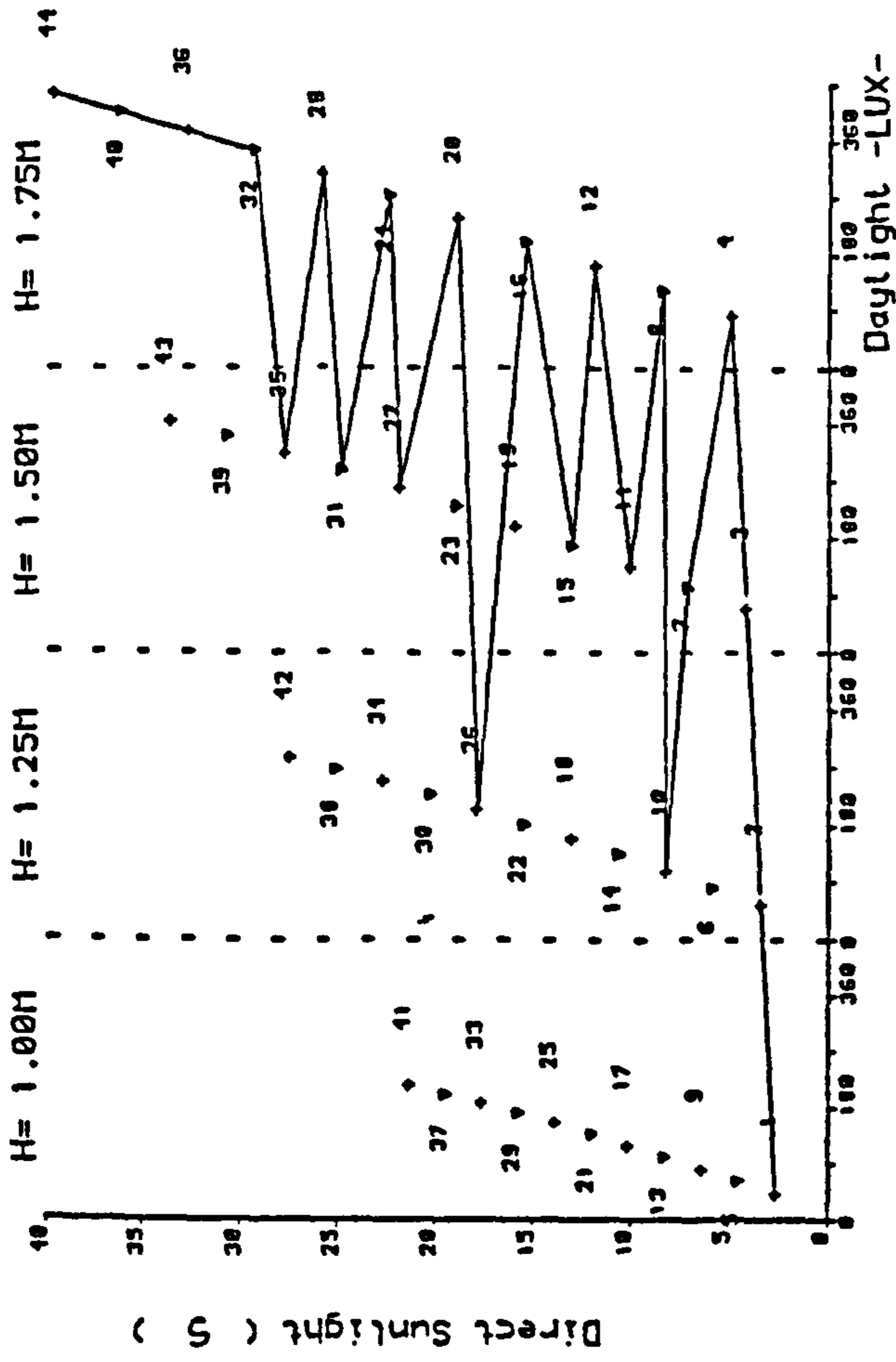
INTERHOUSE DISTANCE 38M (1S). -



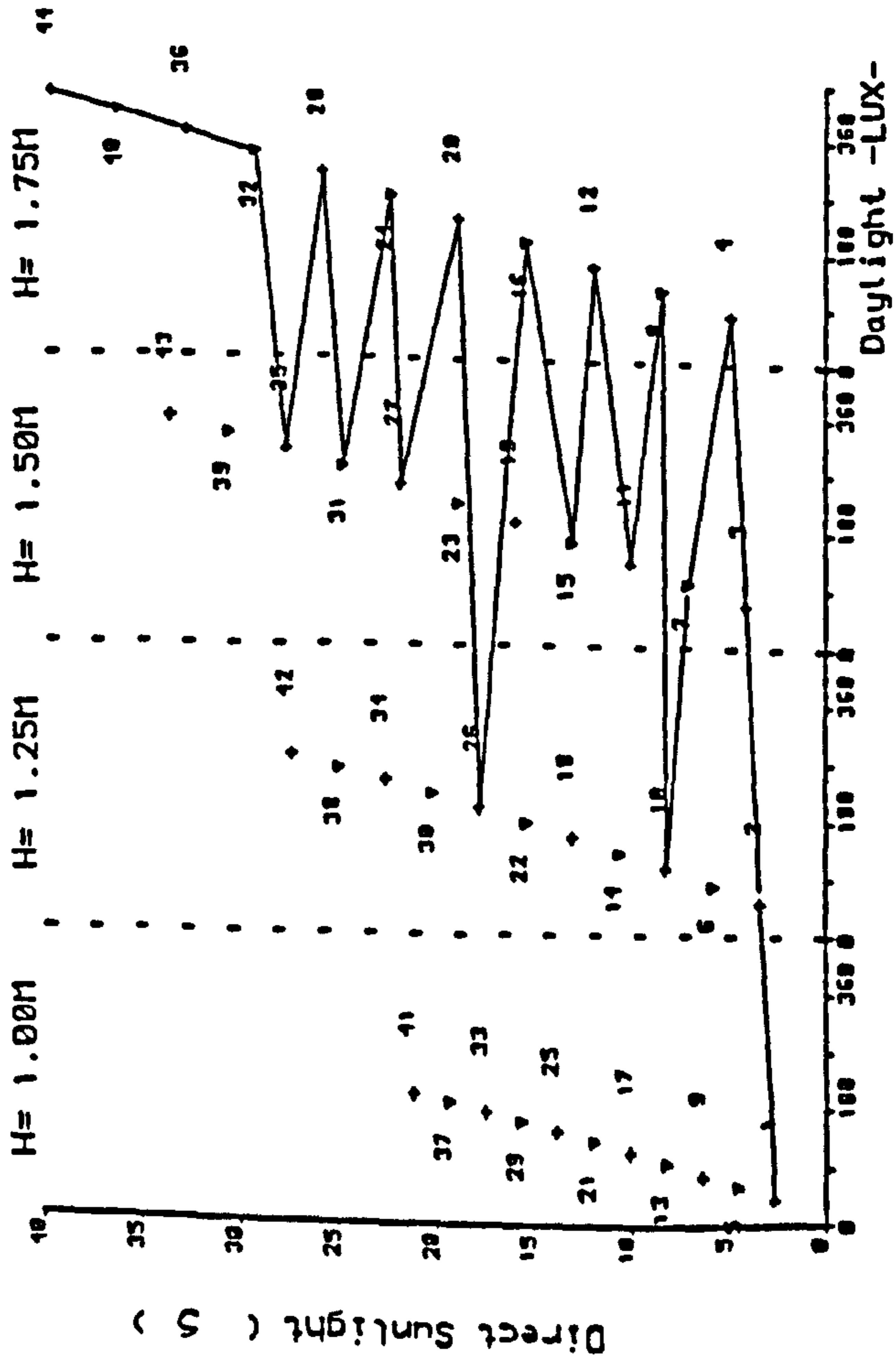
INTERHOUSE DISTANCE 38M (1S) STAIRCASE -



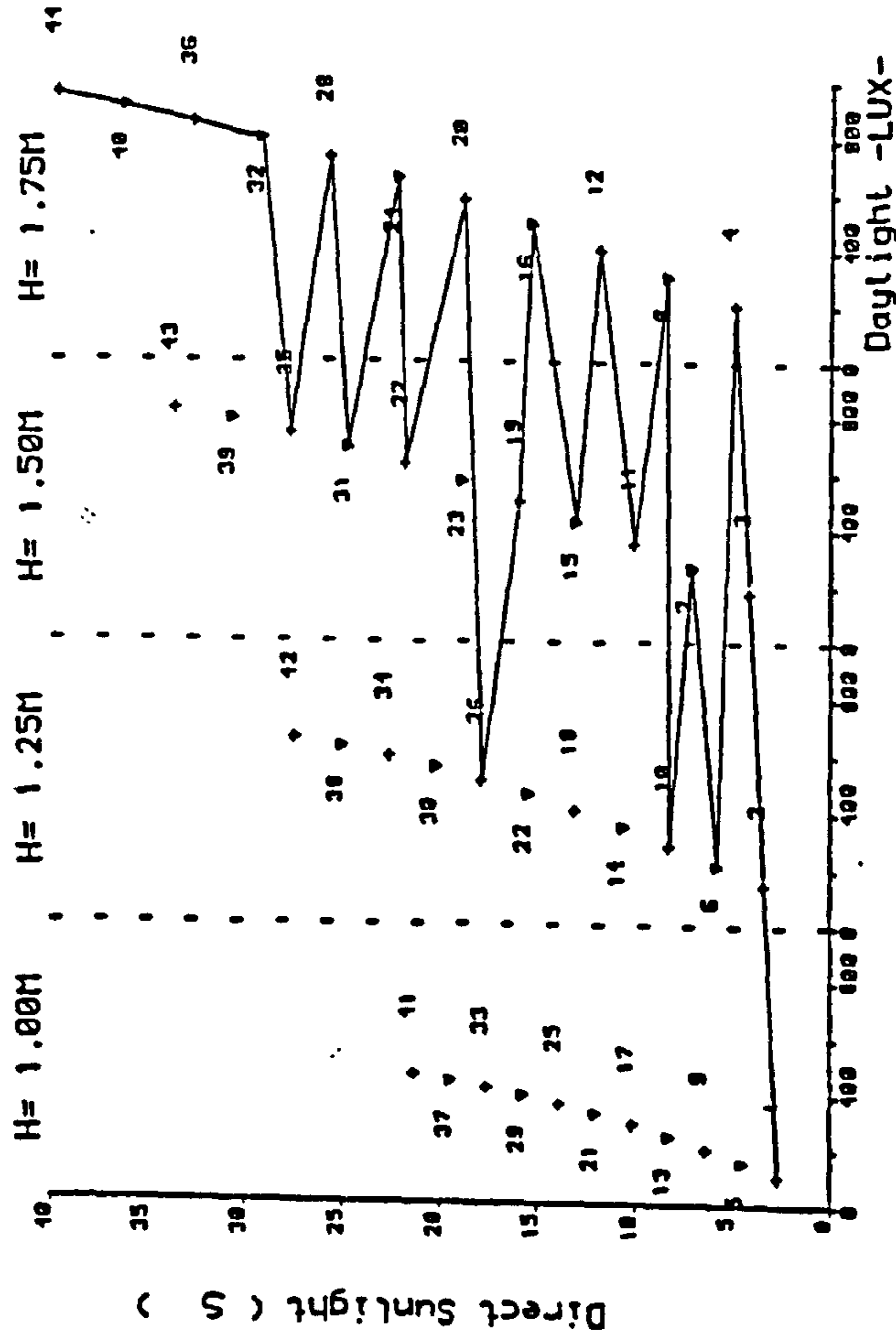
INTERHOUSE DISTANCE 22M (2S). -



INTERHOUSE DISTANCE 38M (1S). -

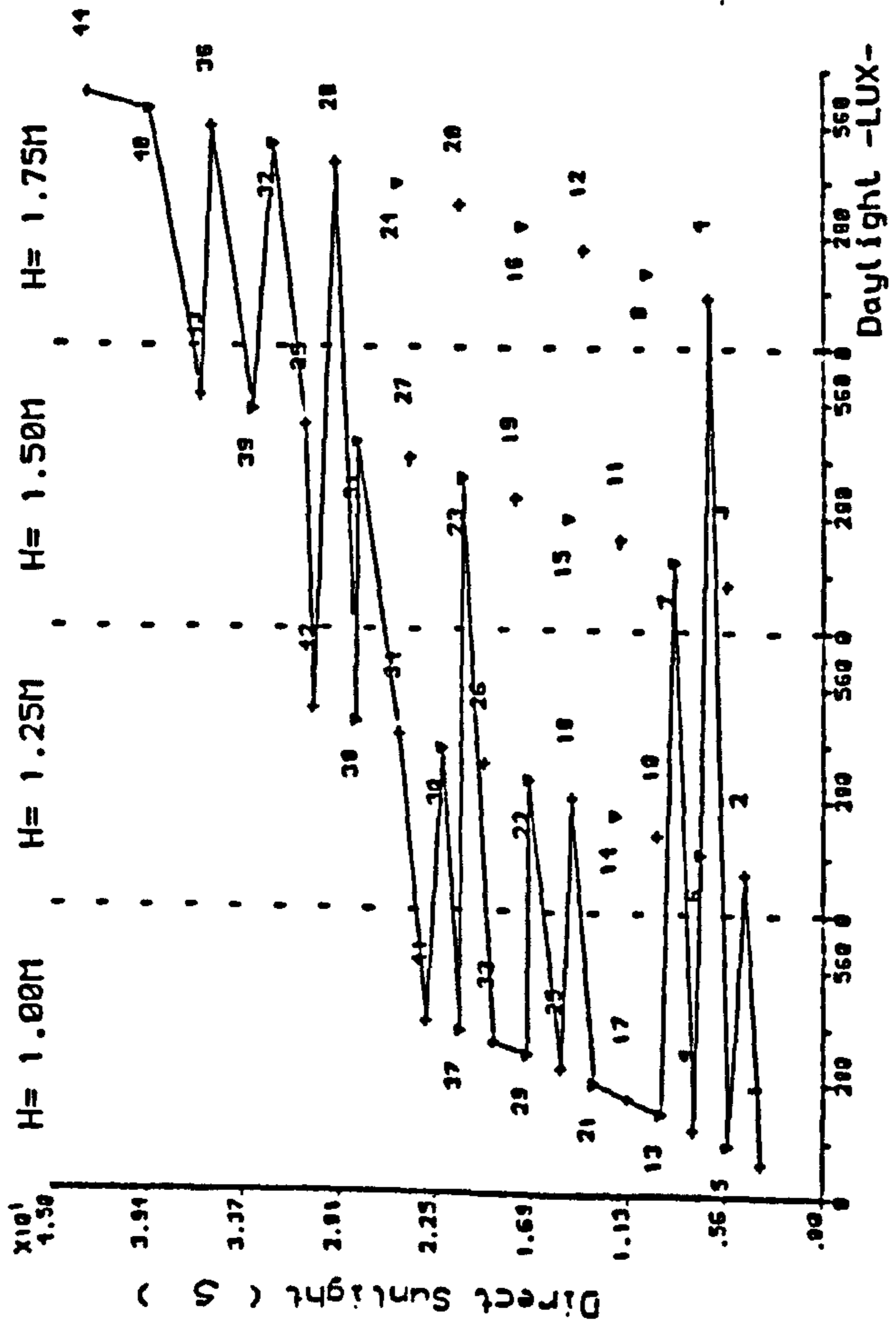


INTERHOUSE DISTANCE 300M G L F -

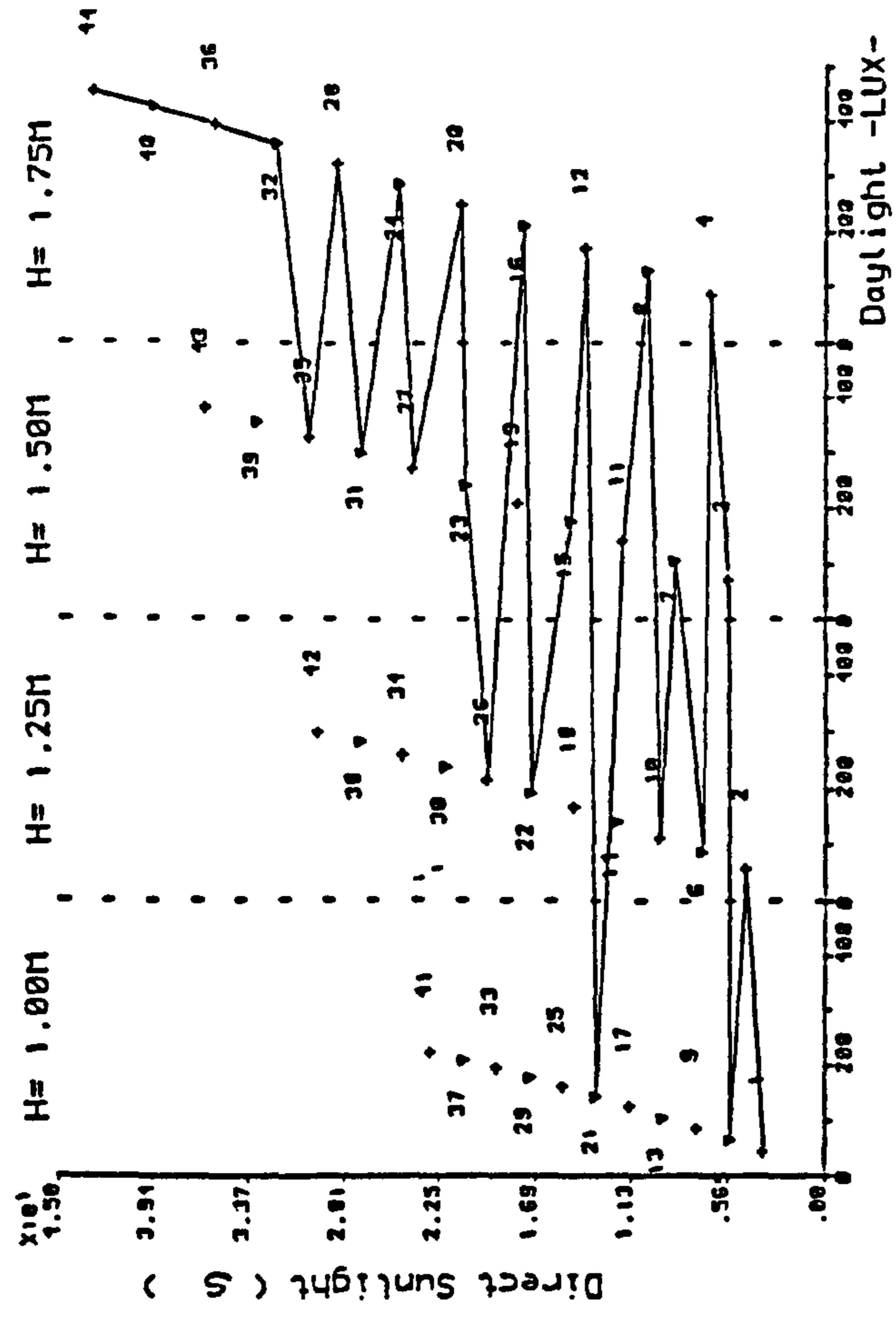


INTERHOUSE DISTANCE 38M (1S) STAIRCASE -

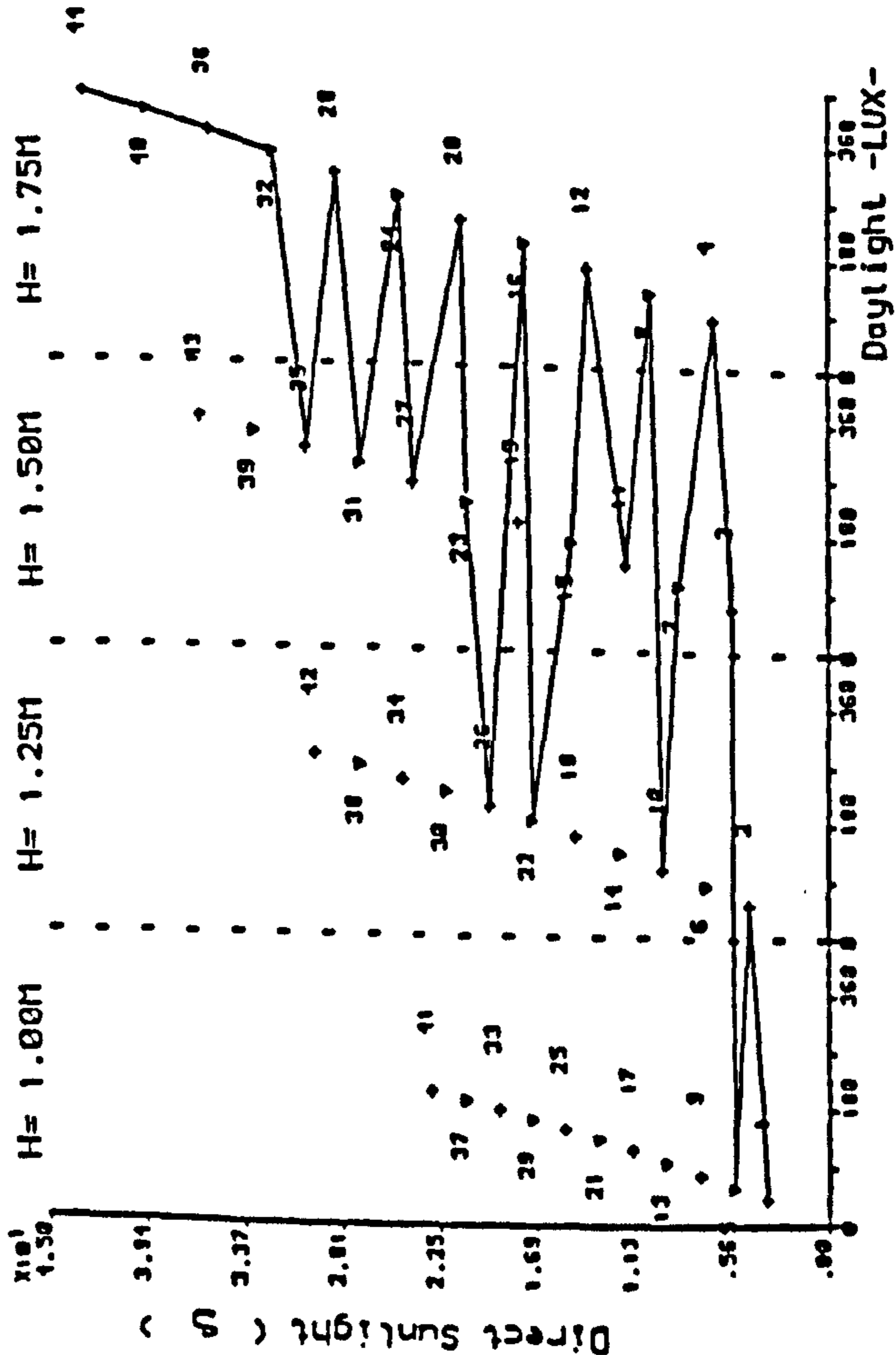




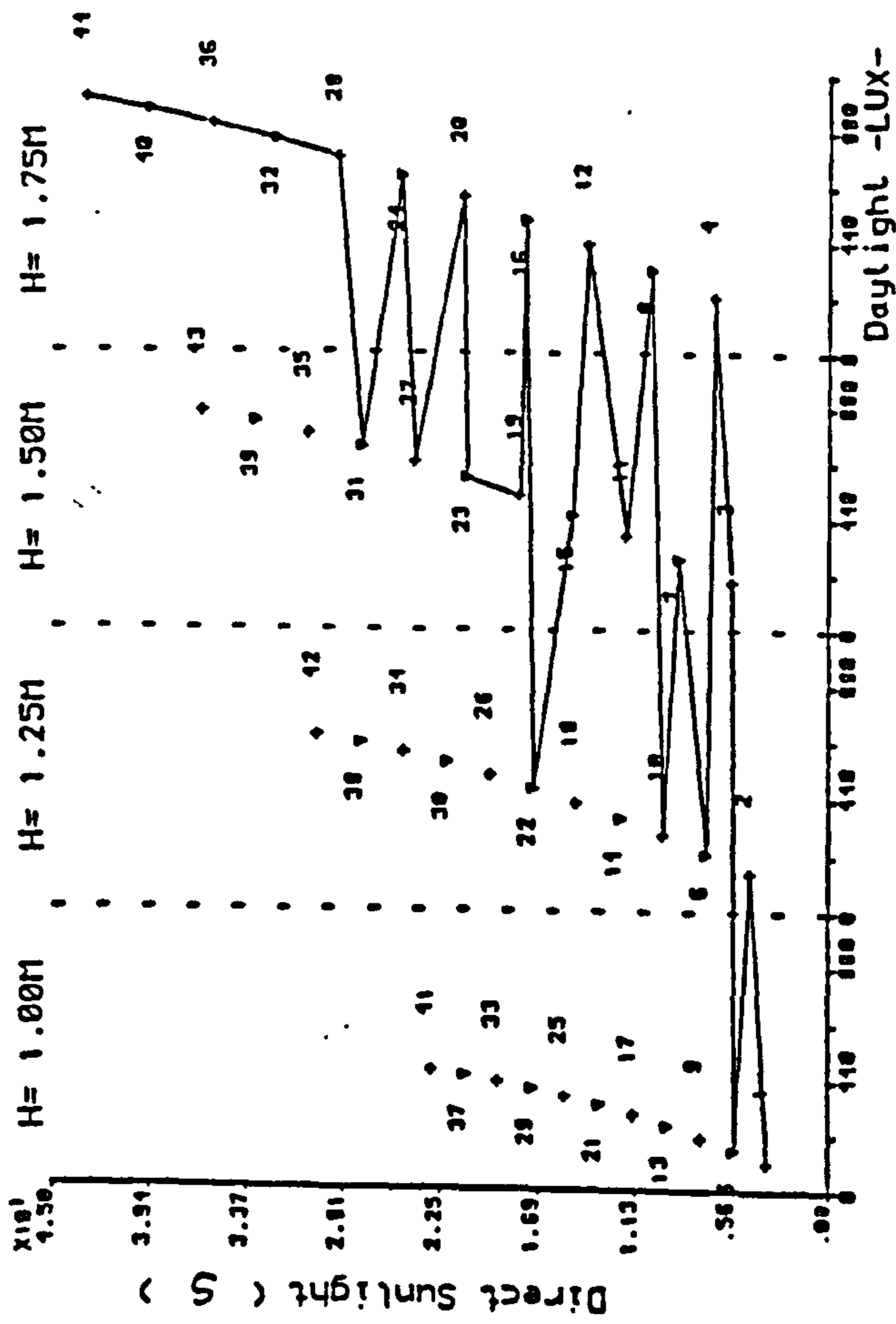
INTERHOUSE DISTANCE 22M (2S). -



INTERHOUSE DISTANCE 38M (1S). -

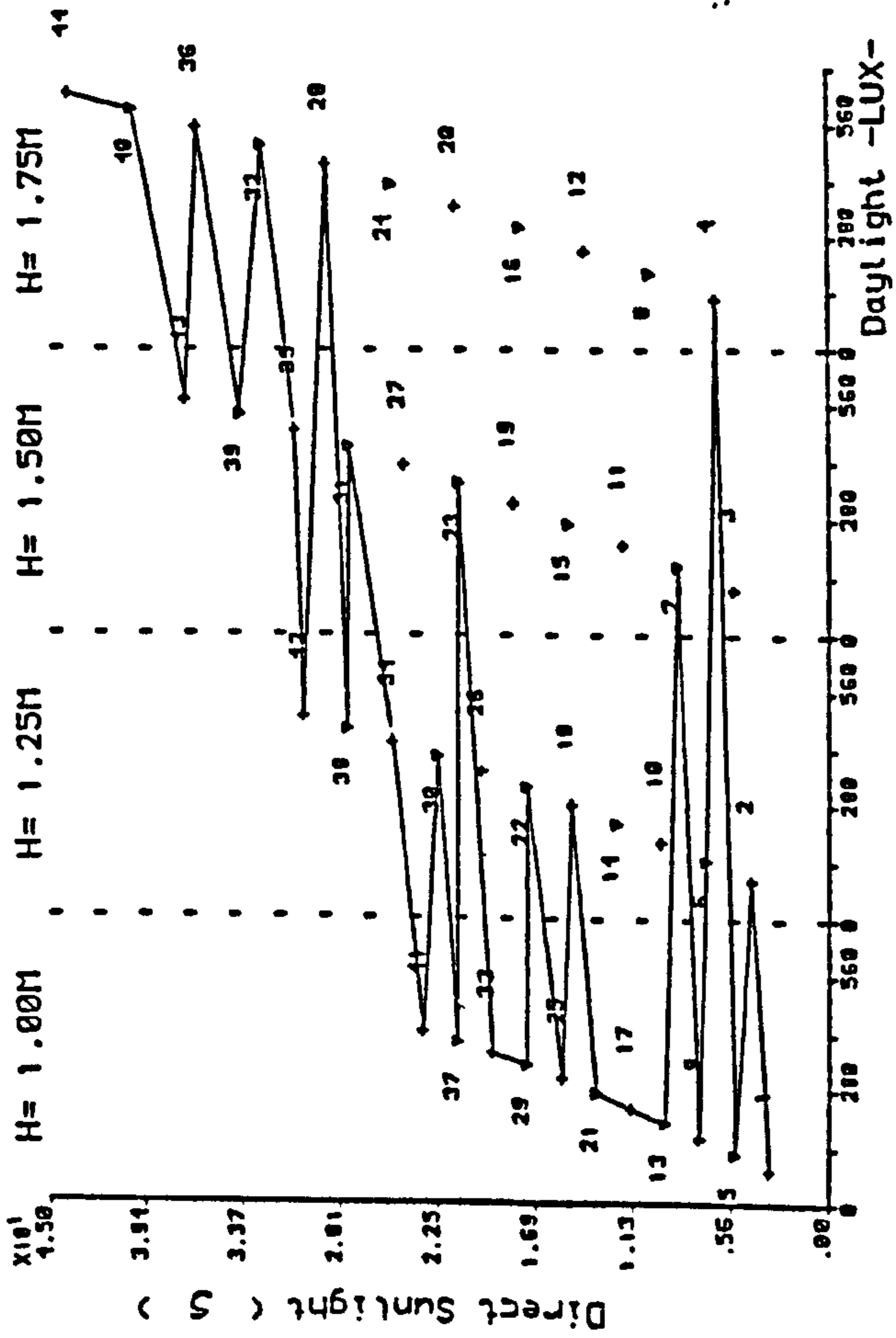


INTERHOUSE DISTANCE 30M (G & F). -

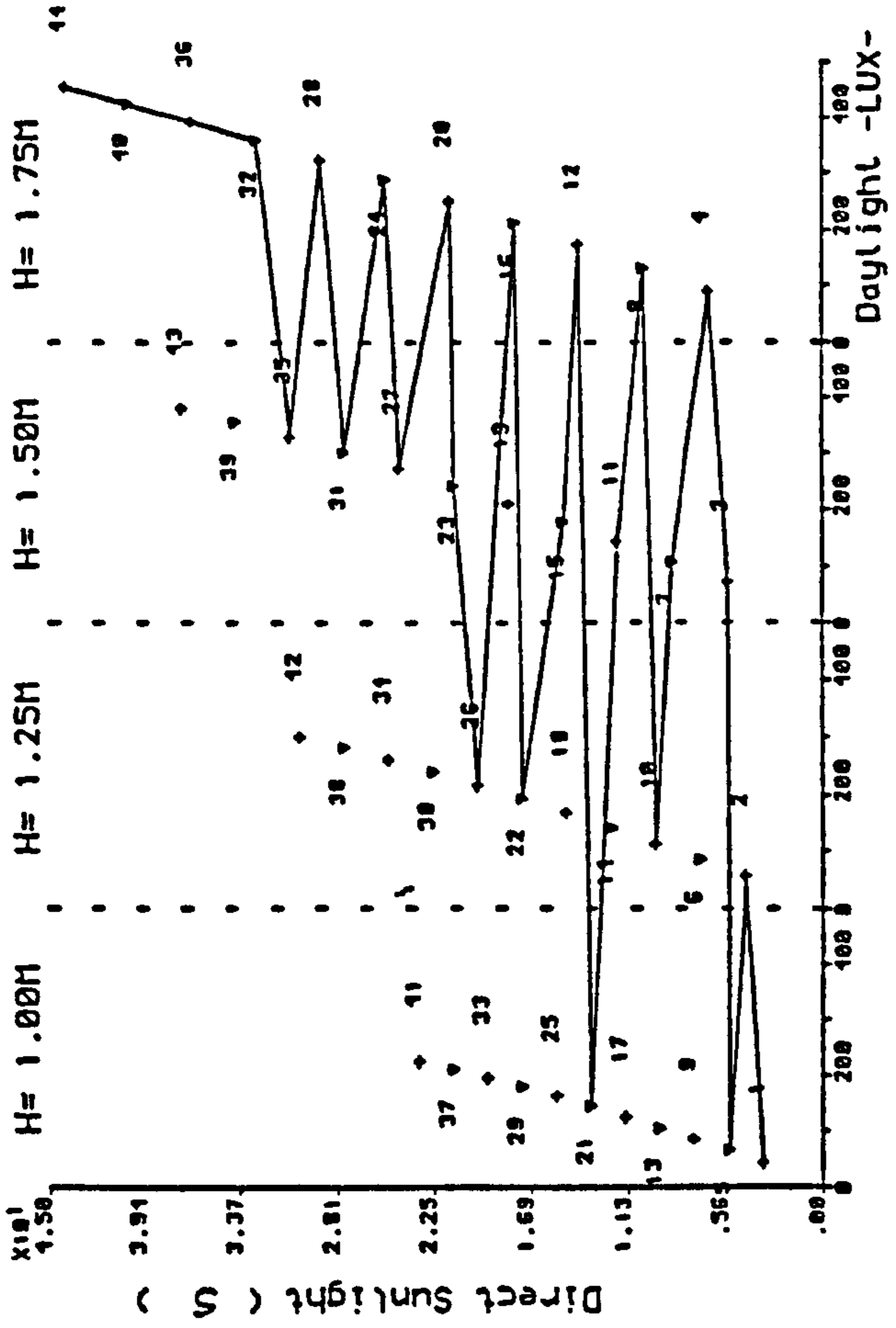


INTERHOUSE DISTANCE 38M (15) STAIRCASE -



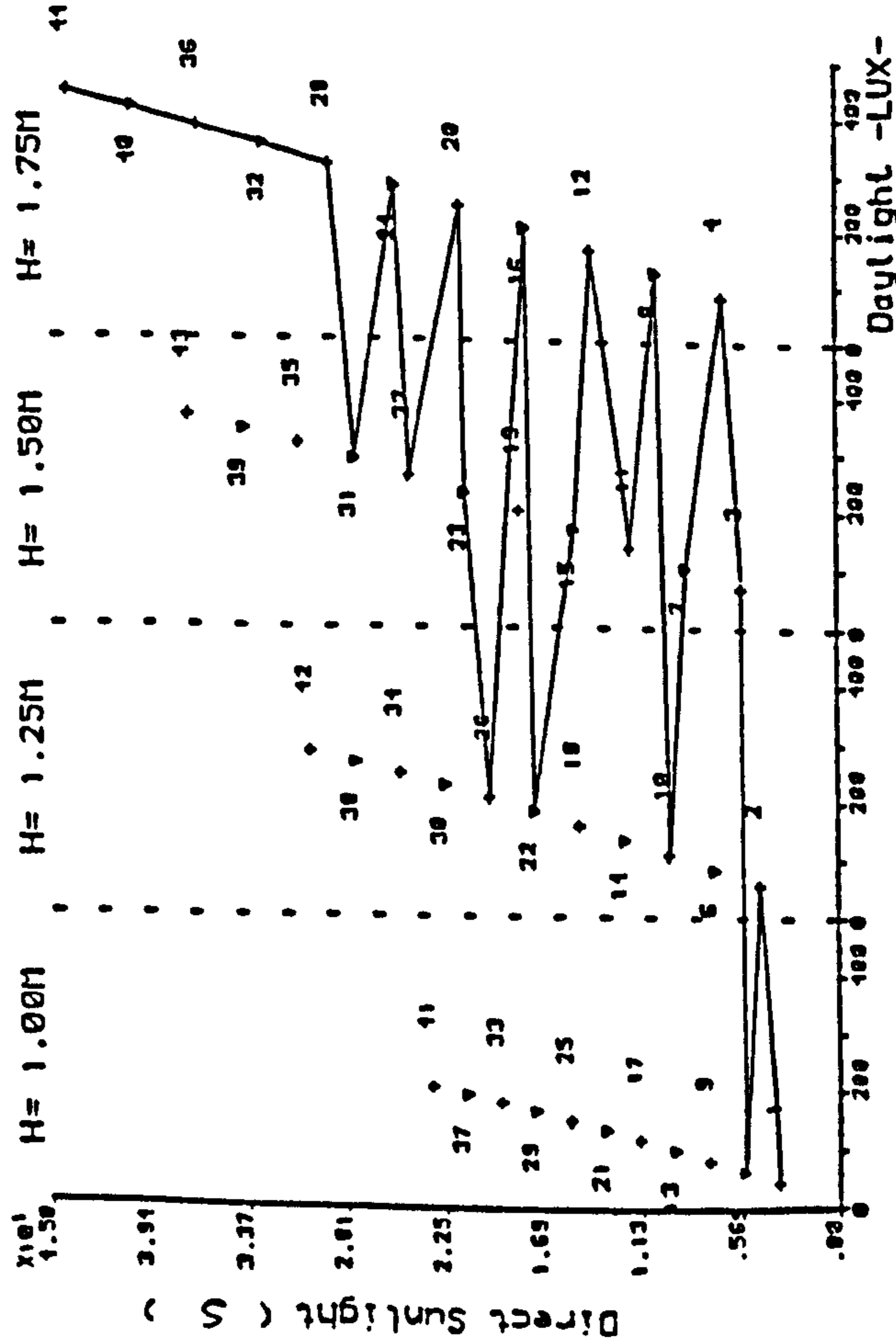


INTERHOUSE DISTANCE 22M (2S). -

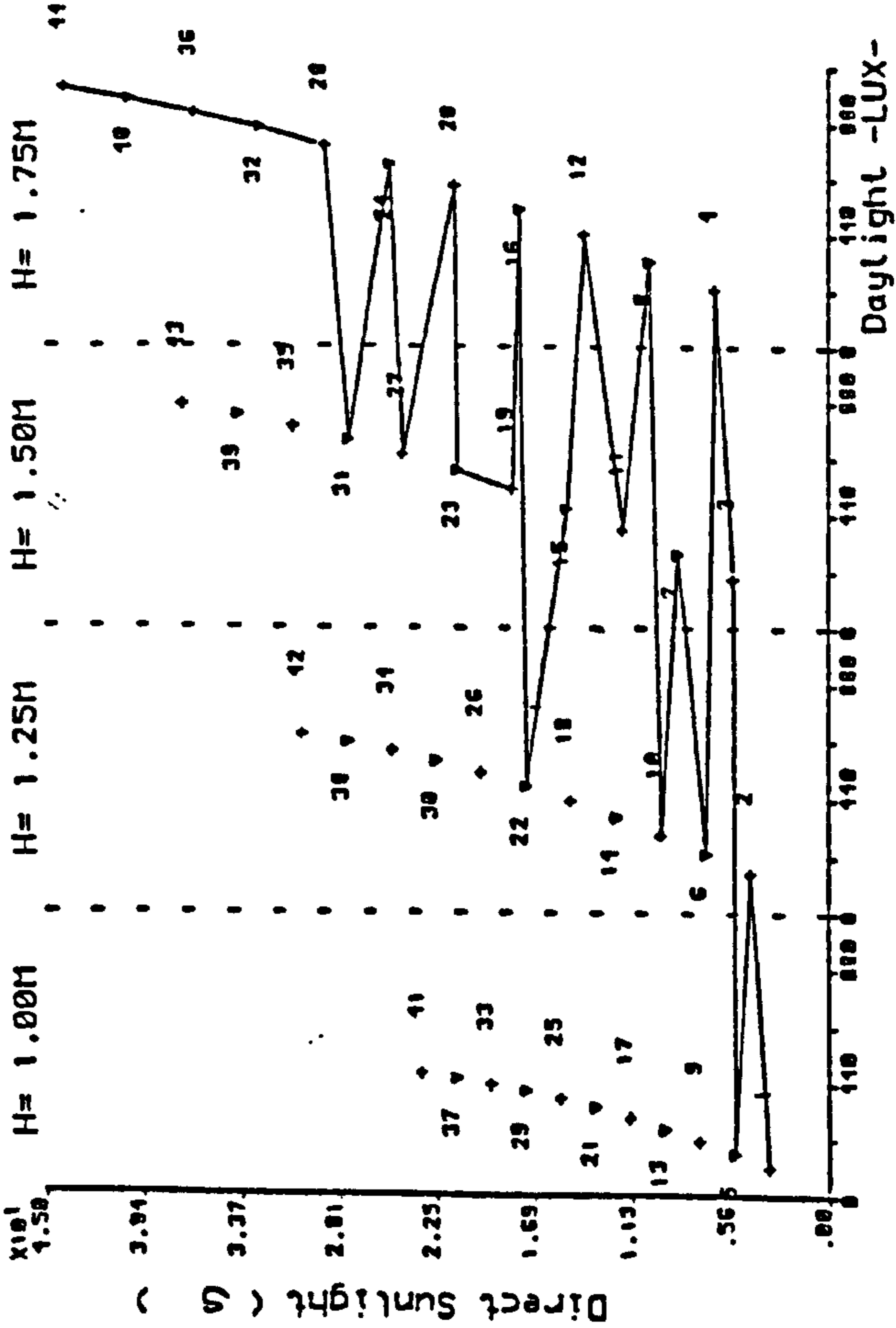


1083

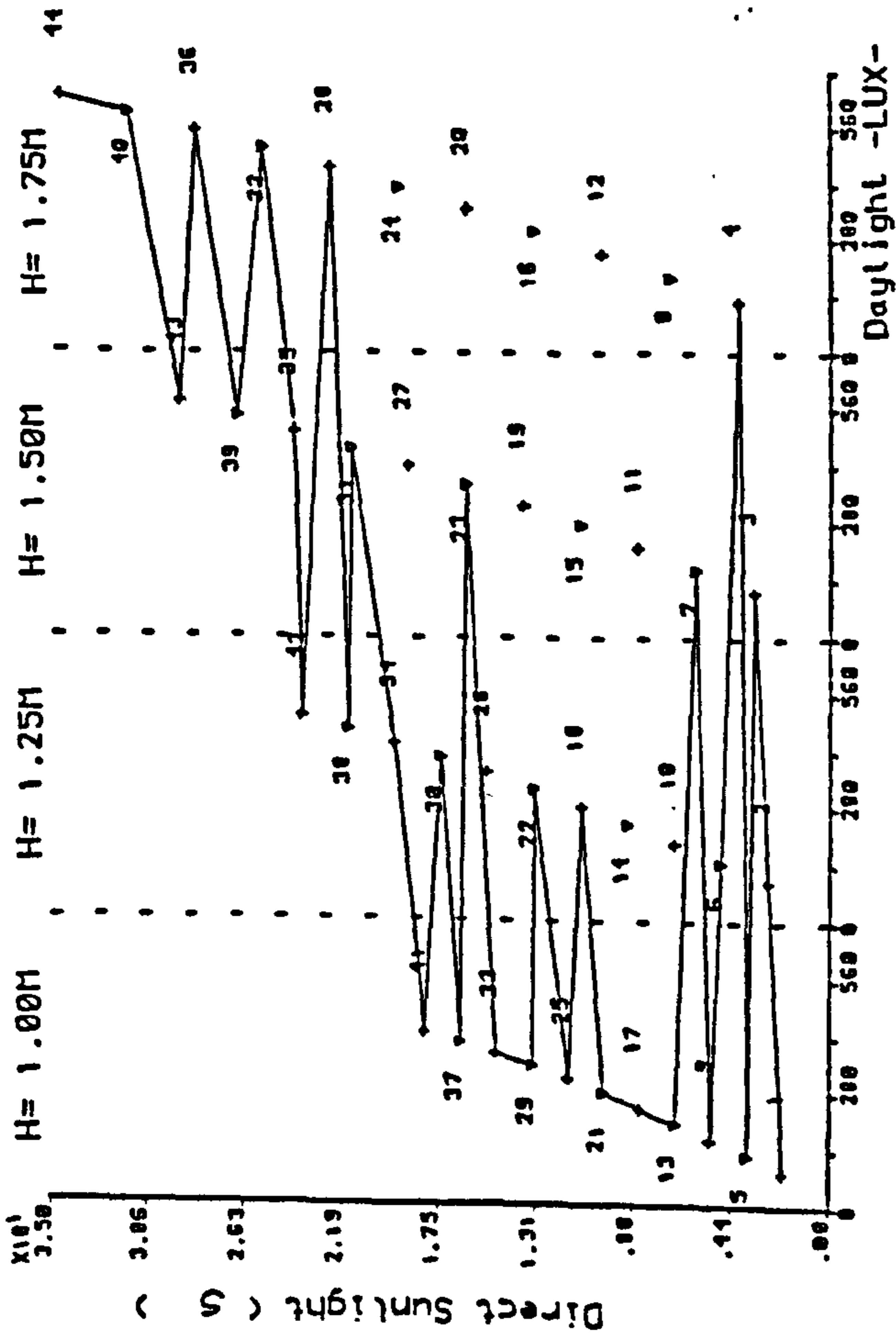
INTERHOUSE DISTANCE 38M (1S). -



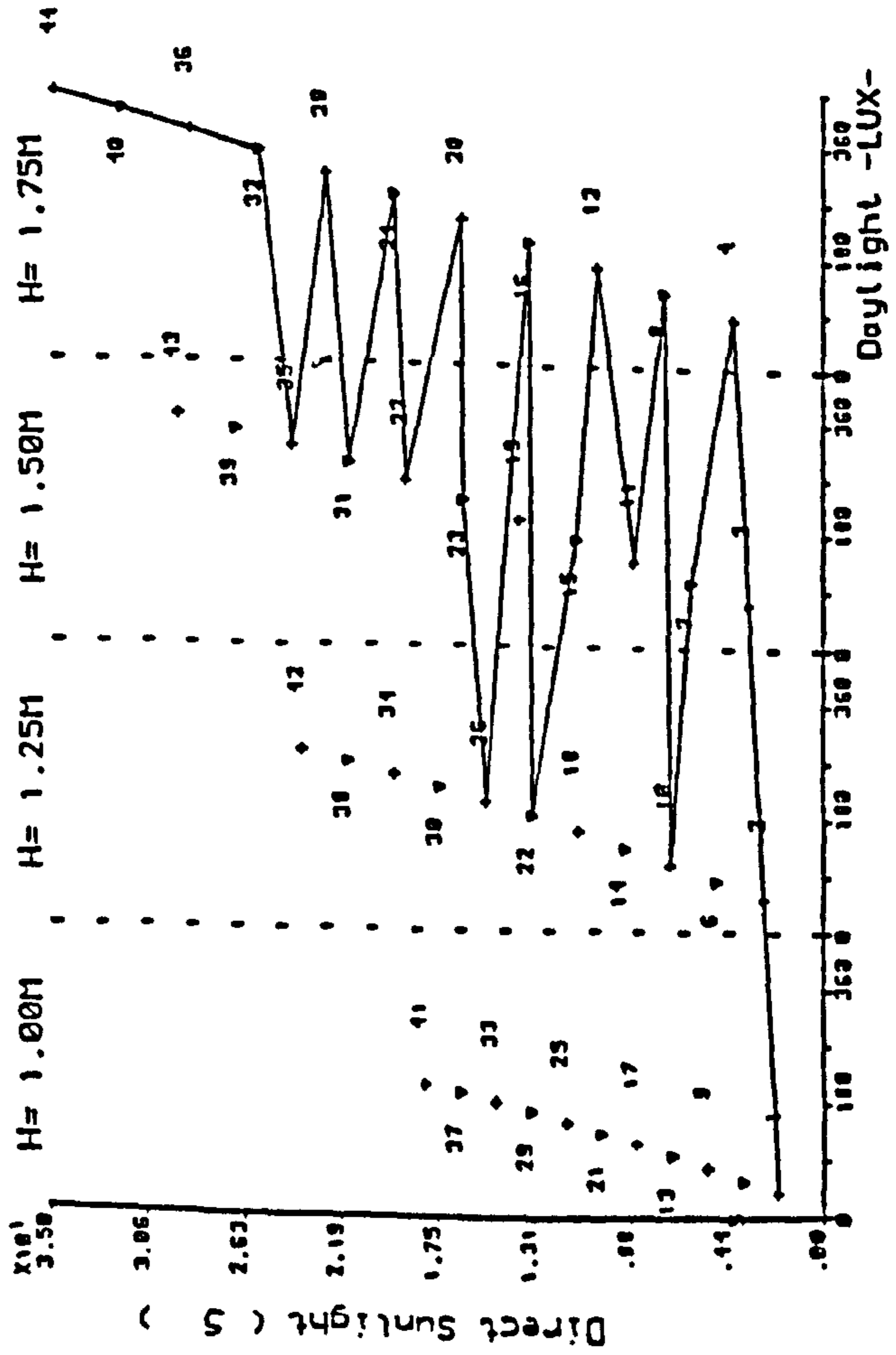
INTERHOUSE DISTANCE 300M G & F -



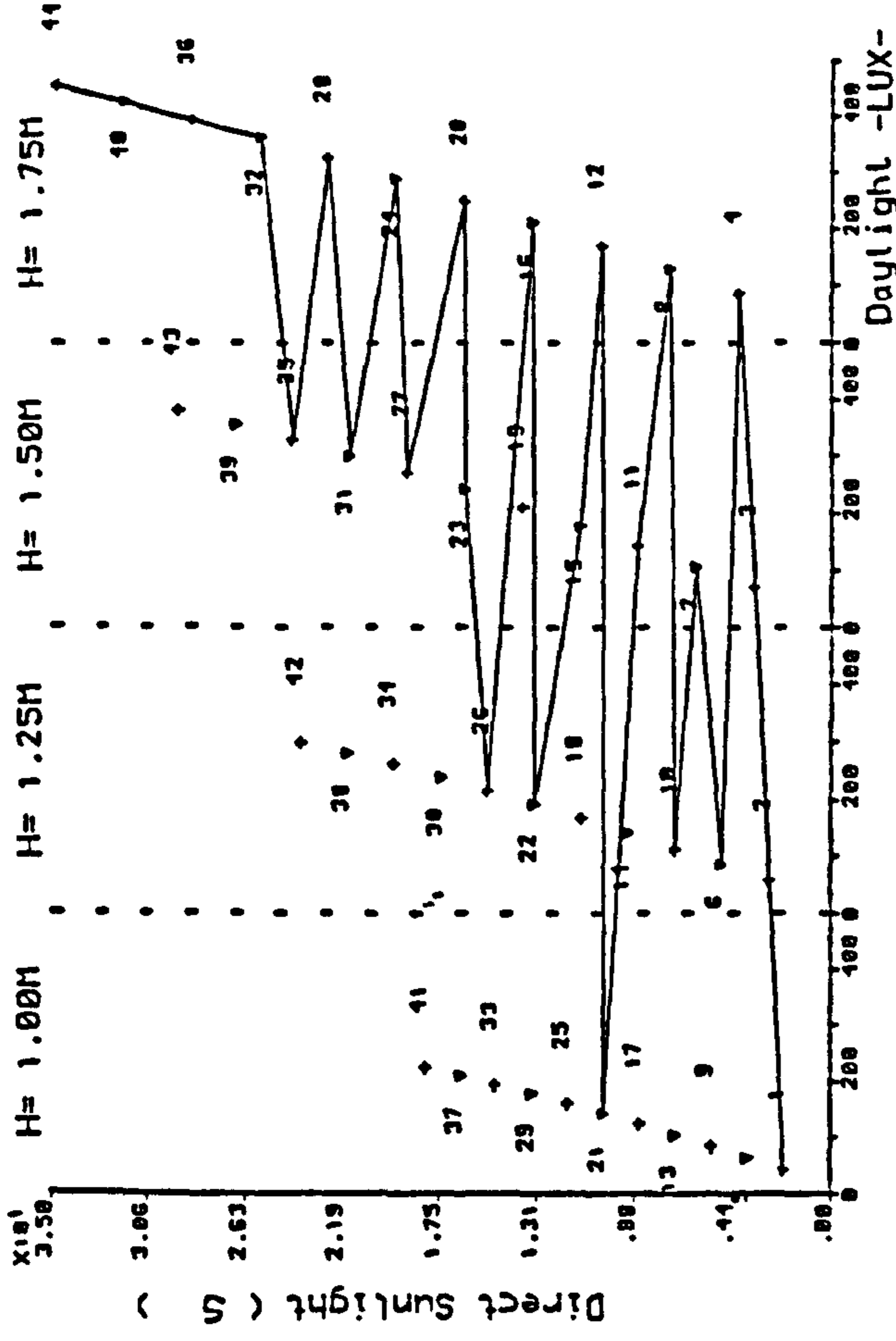
INTERHOUSE DISTANCE 38M (1S) STAIRCASE -



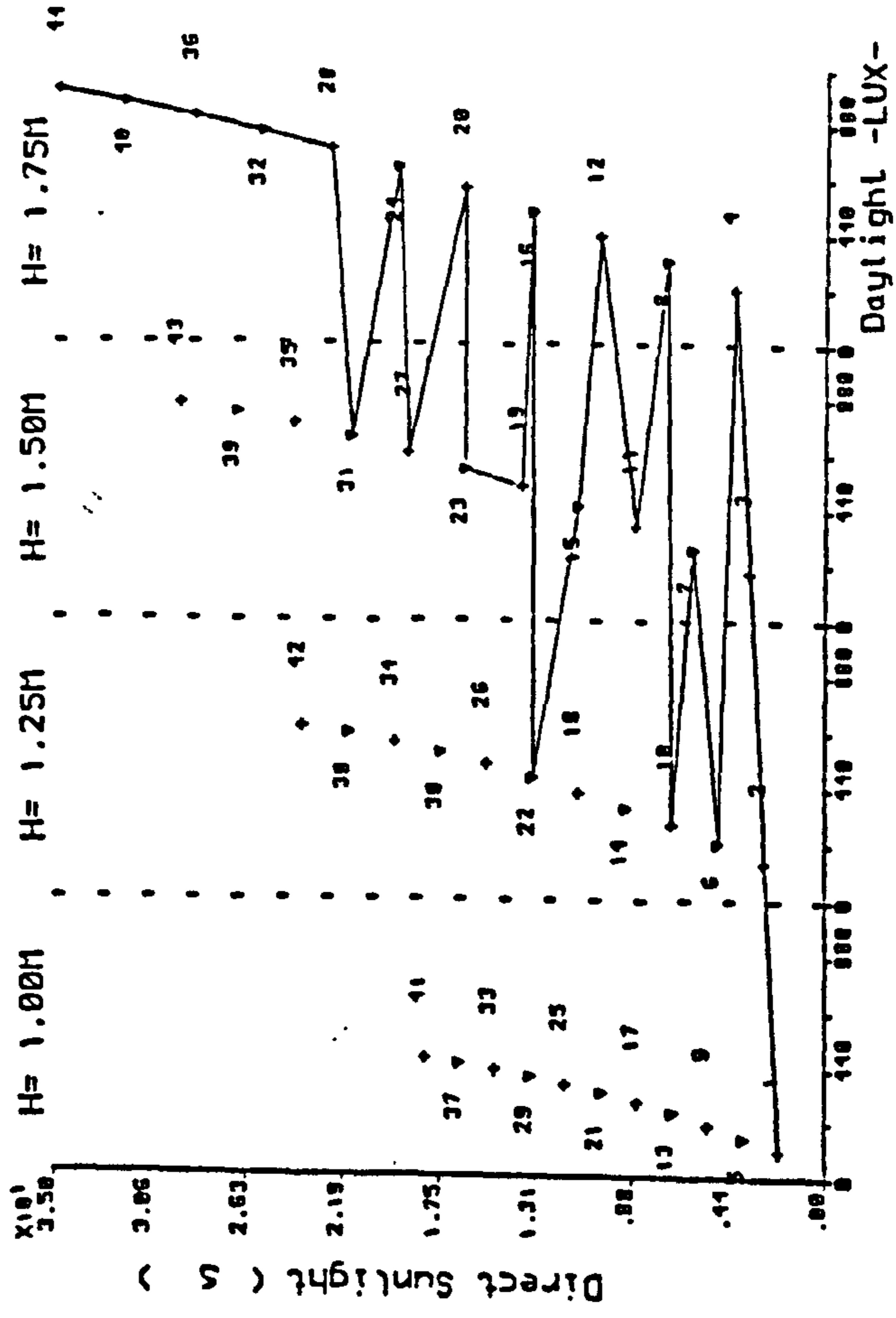
INTERHOUSE DISTANCE 22M (25). -



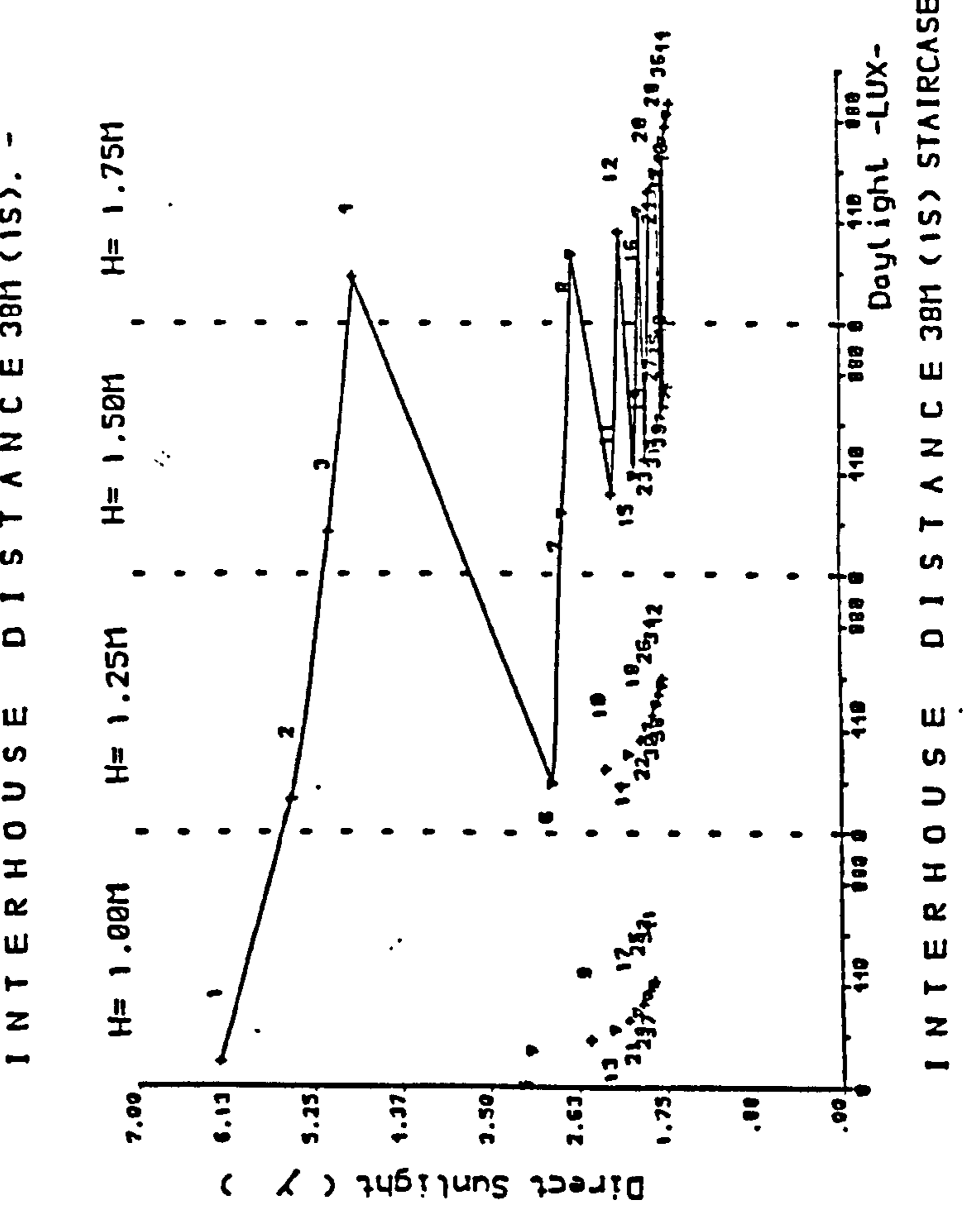
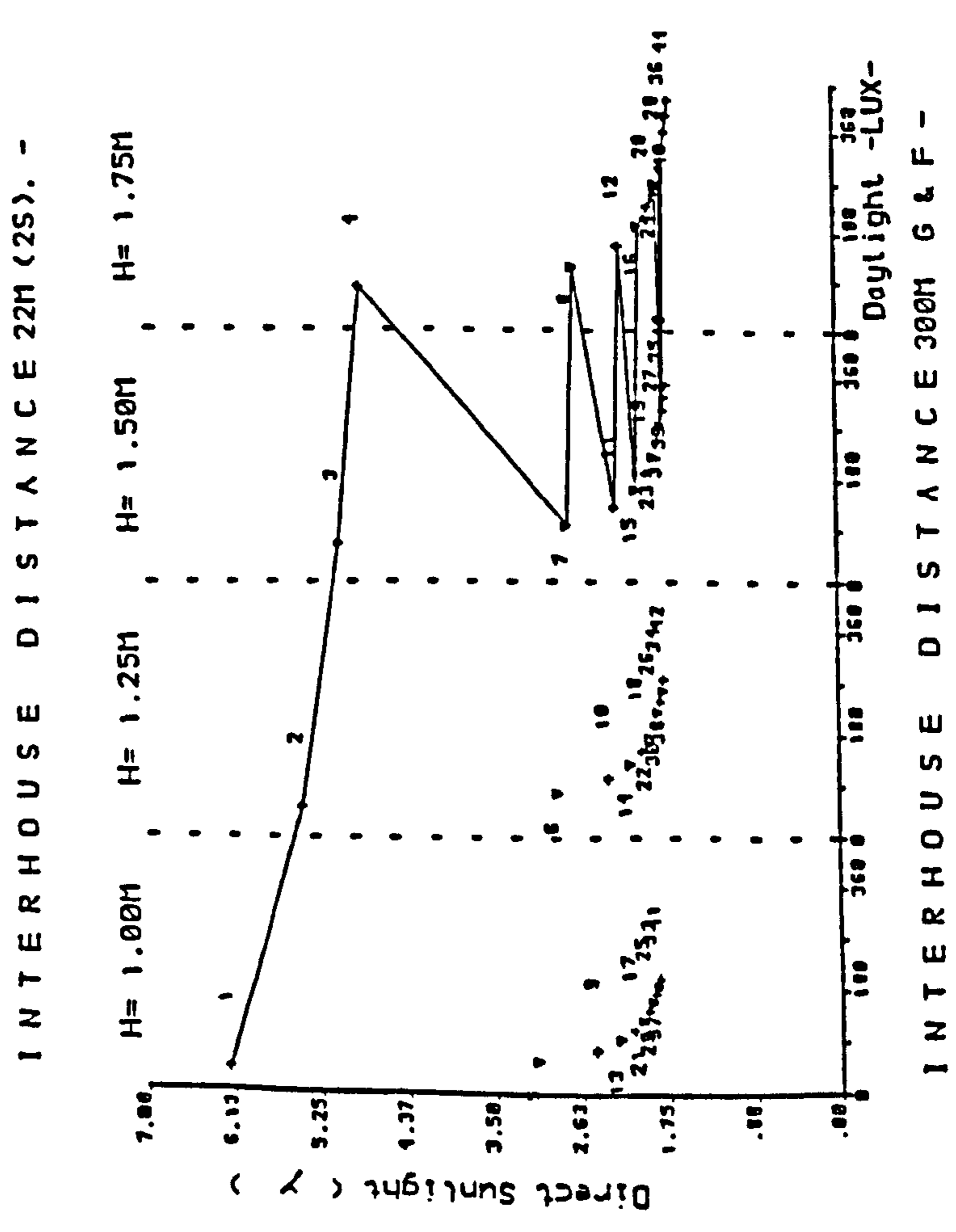
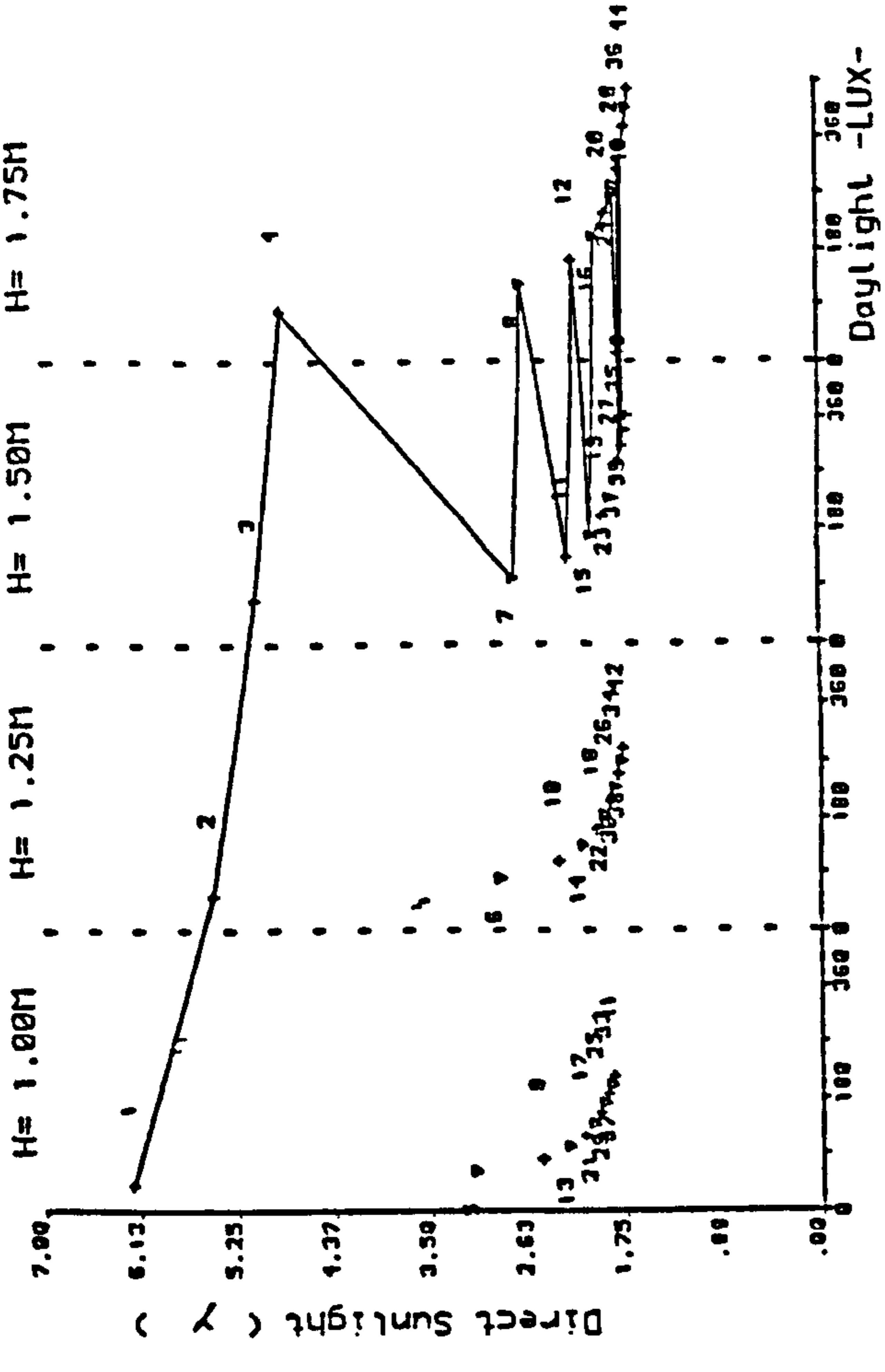
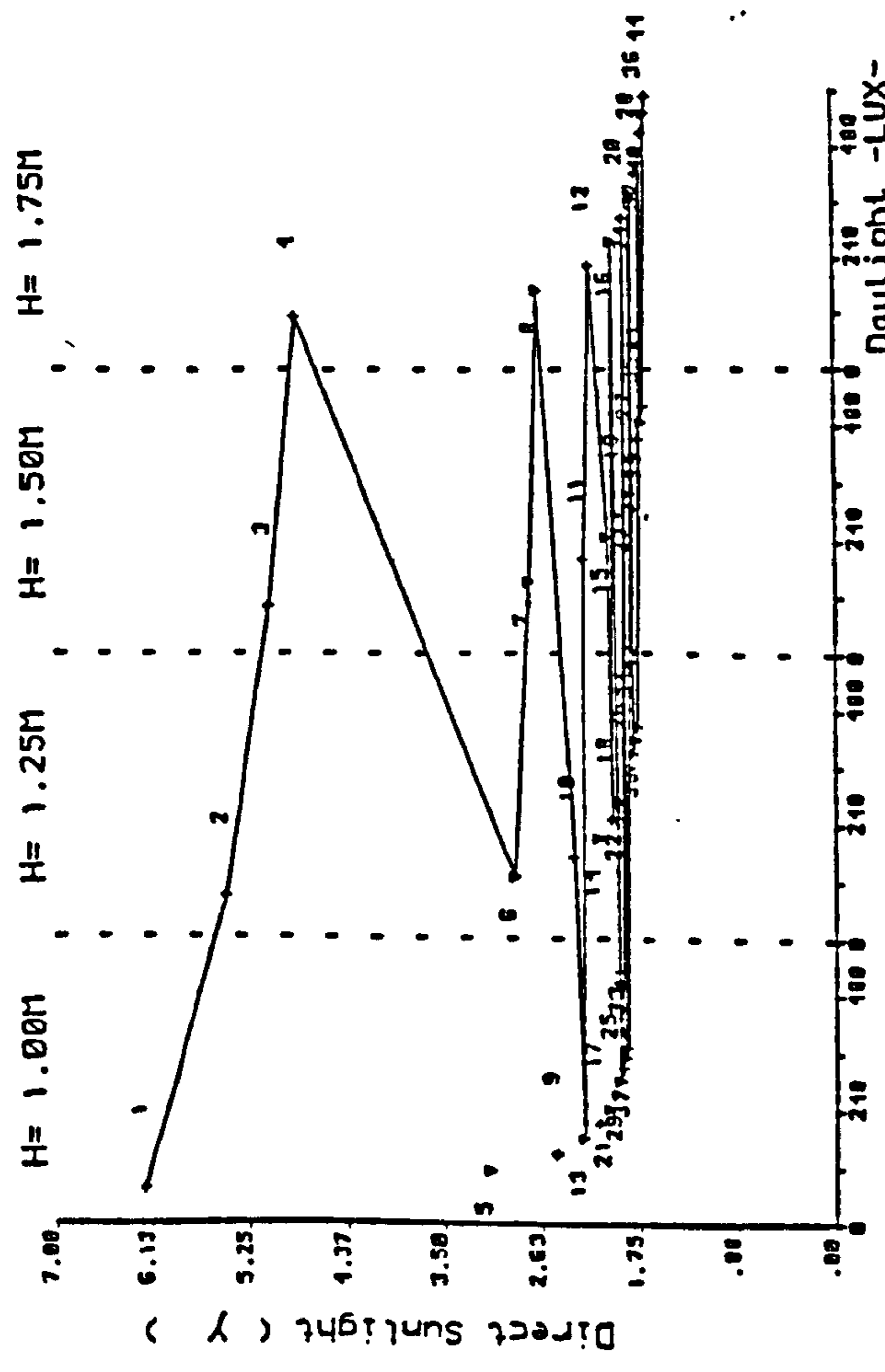
INTERHOUSE DISTANCE 300M G & F -

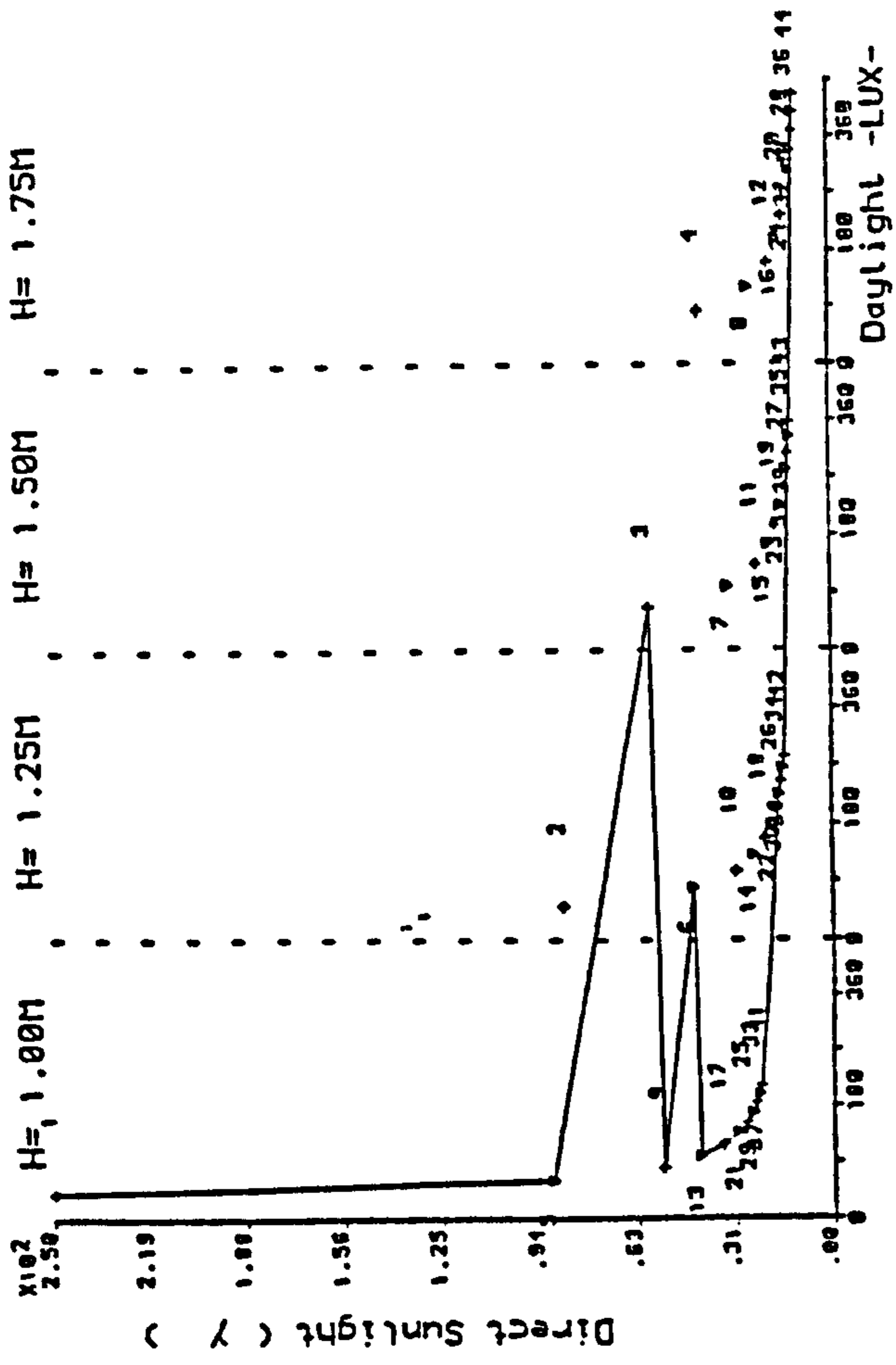


INTERHOUSE DISTANCE 38M (15). -

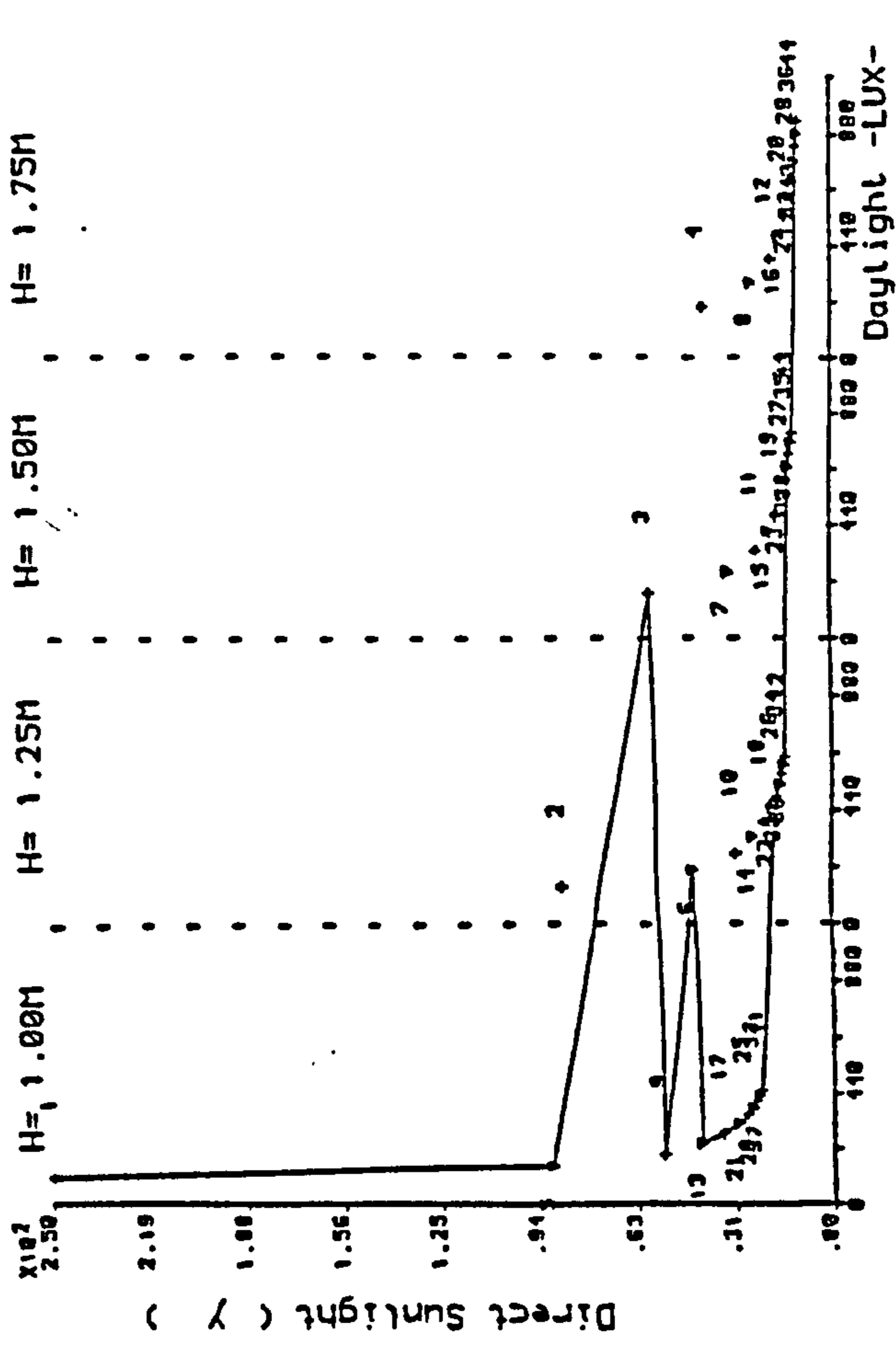


INTERHOUSE DISTANCE 38M (15) STAIRCASE -

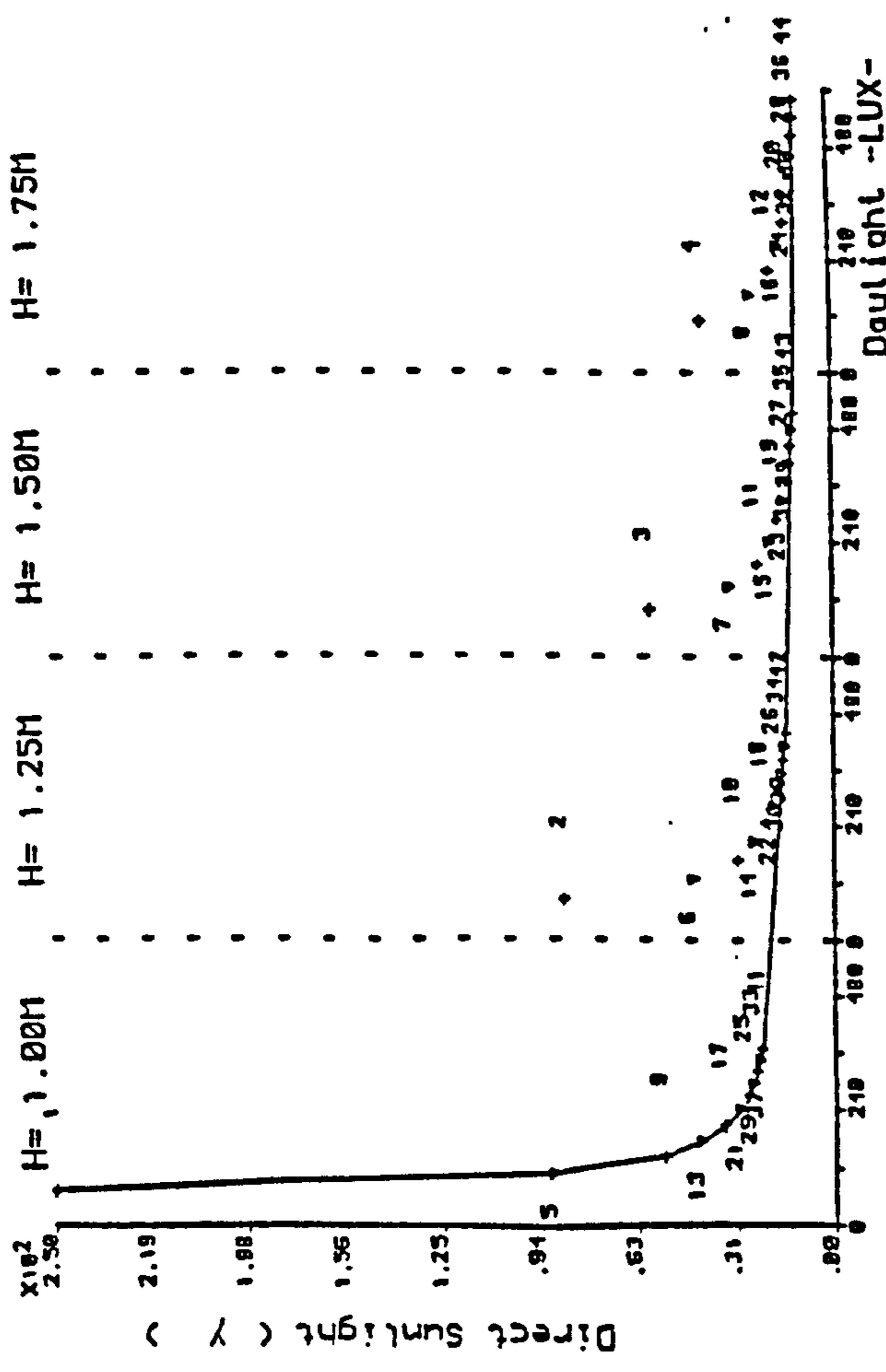




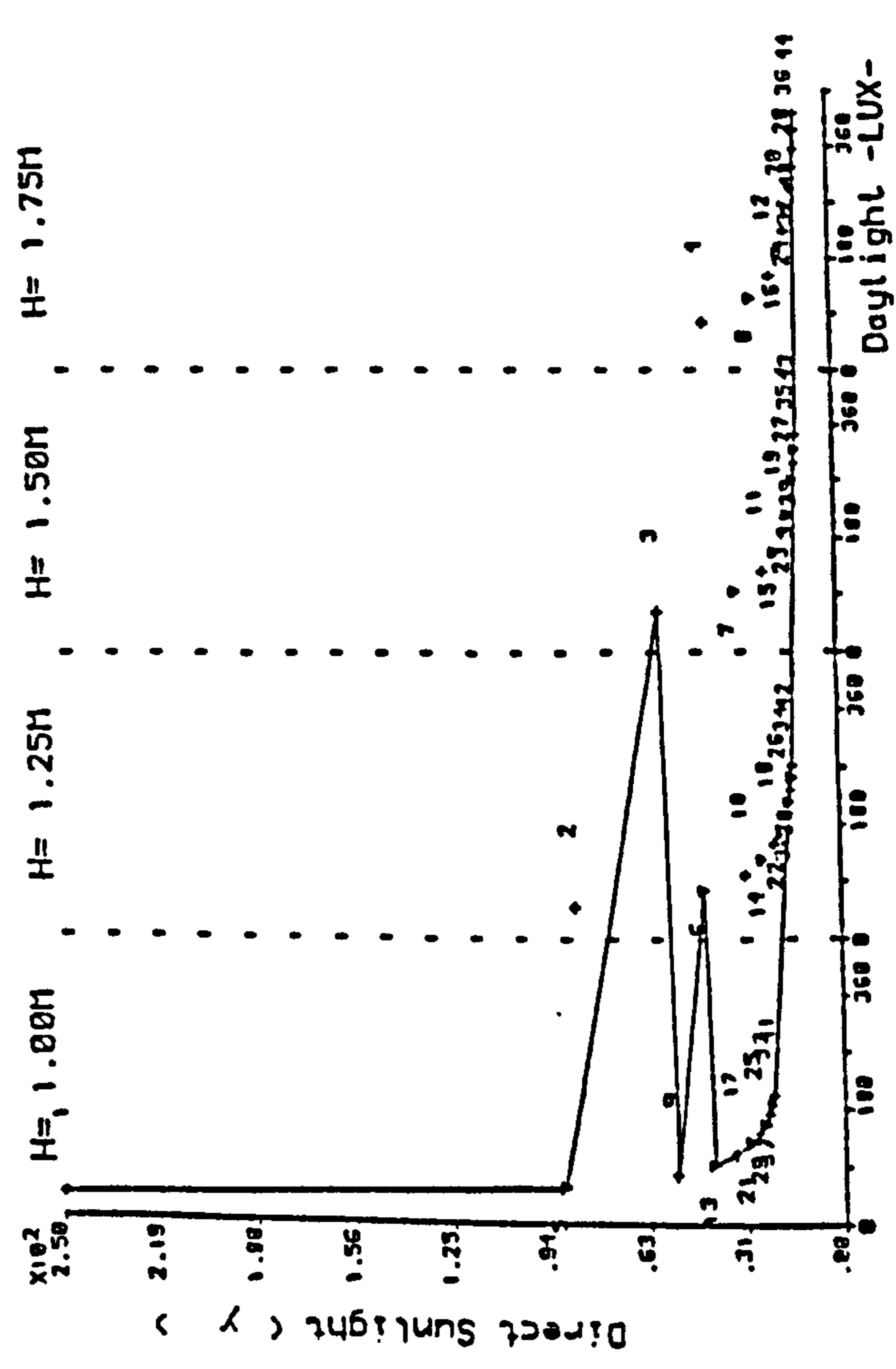
INTERHOUSE DISTANCE 38M (15).



INTERHOUSE DISTANCE 38M (15) STAIRCASE -

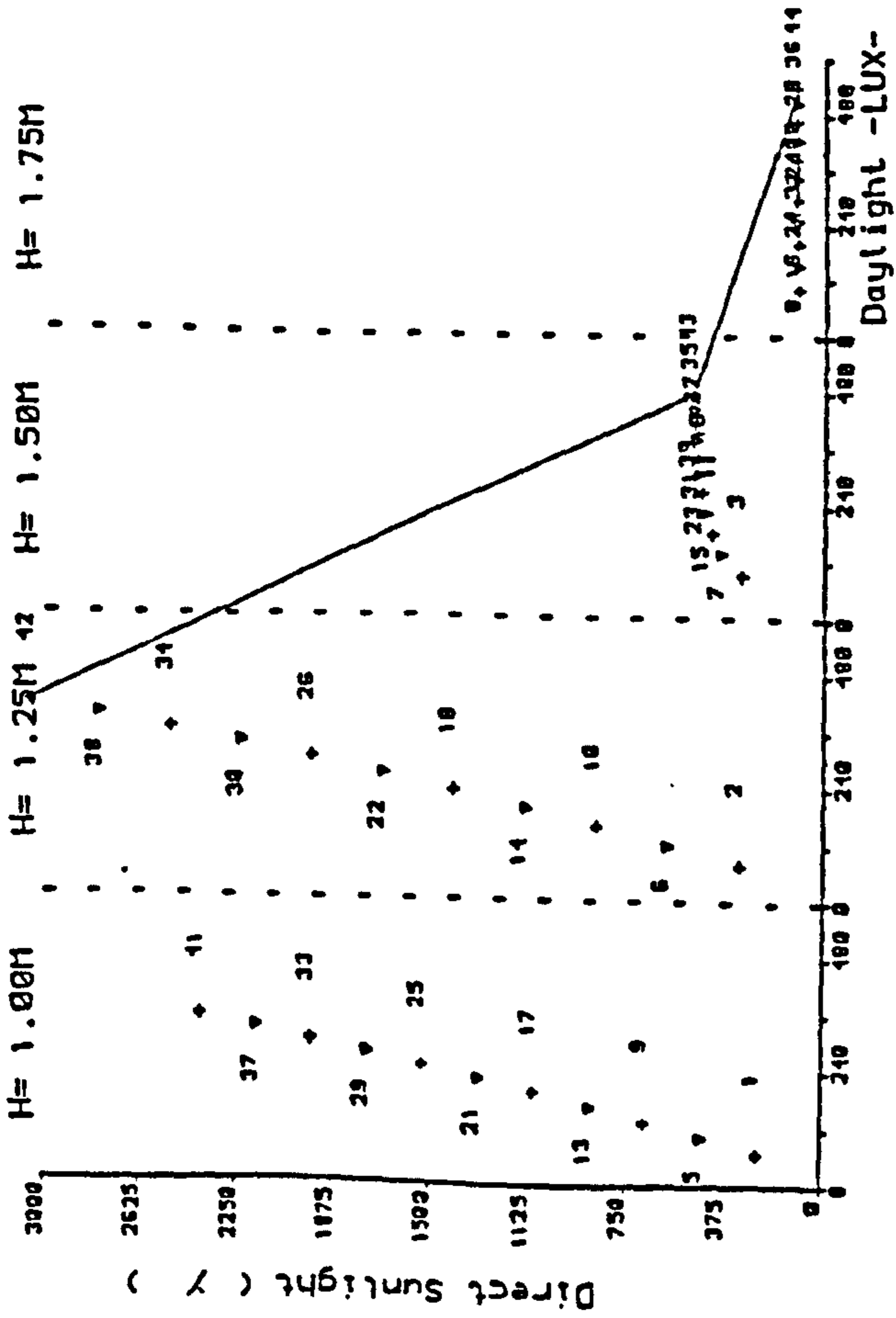


INTERHOUSE DISTANCE 22M (25).

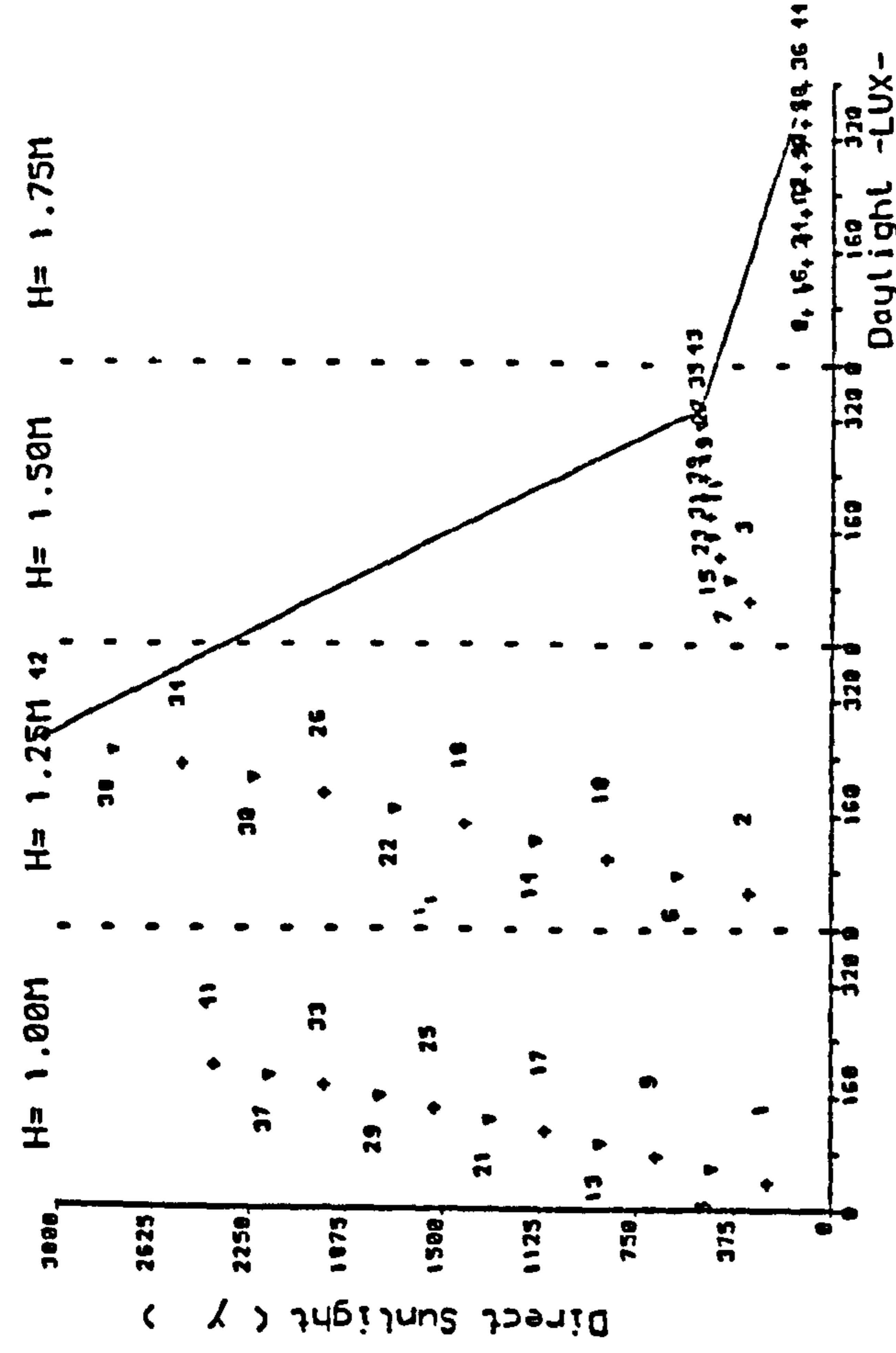


INTERHOUSE DISTANCE 300M G & F -

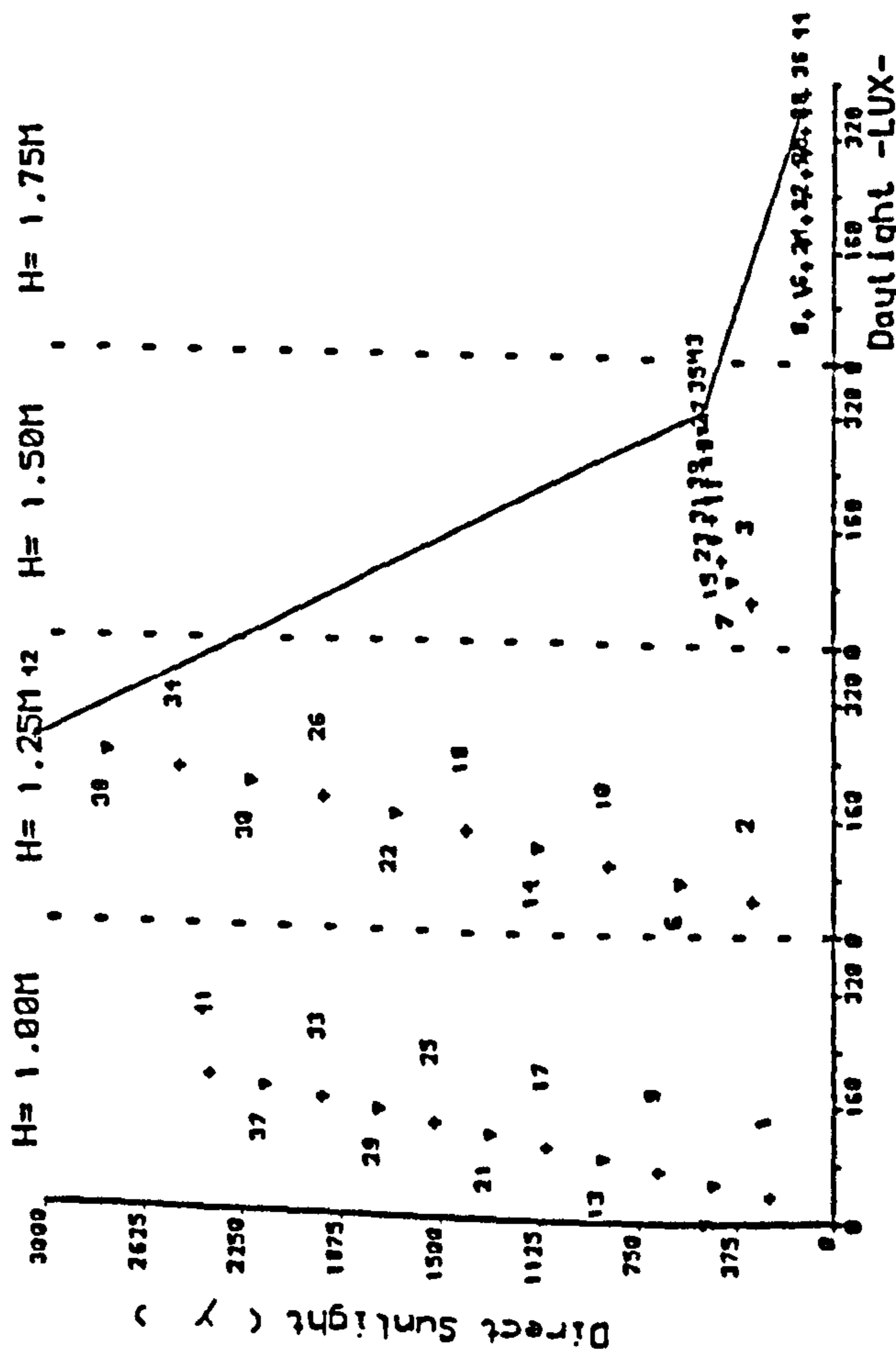




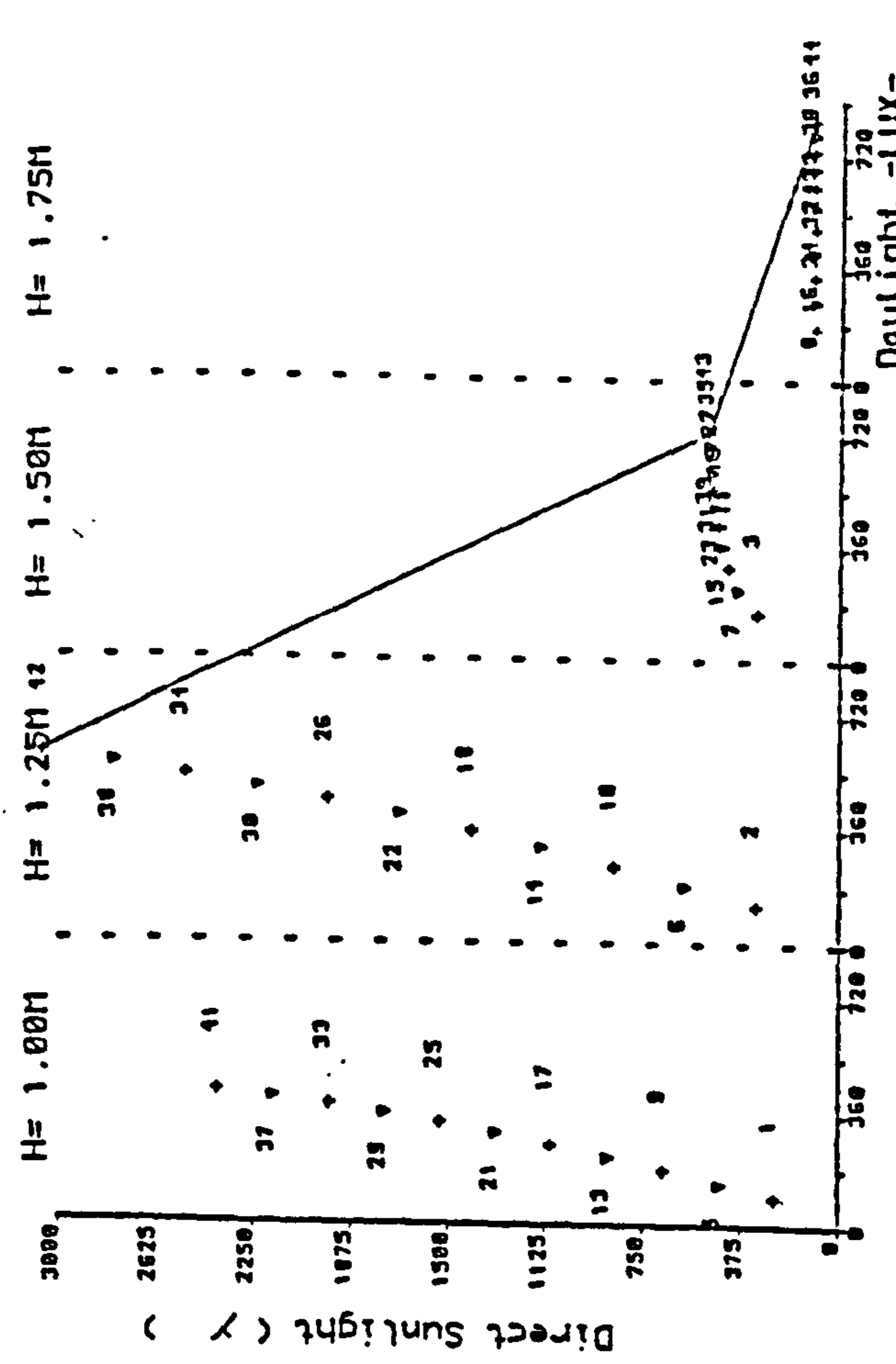
INTERHOUSE DISTANCE 22M (2S). -



INTERHOUSE DISTANCE 38M (1S). -



INTERHOUSE DISTANCE 300M G & F -



INTERHOUSE DISTANCE 38M (1S) STAIRCASE -