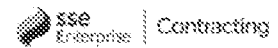


DATE: 9 July 2019
DESIGNER: SSE
PROJECT No: QL609
PROJECT NAME: SSE-QL609-AC-001-B



Fontwell, Eastergate, Arundel - On-site, West Sussex

PREPARED BY: SSE Enterprise Lighting
Unit 5
York Road
Burgess Hill
West Sussex
RH17 9TT



Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	494965.20	106874.71	140.27	44.48	1.49	1.48
2	Grid 2	495065.12	106841.24	83.27	44.48	1.49	1.48
3	Grid 3	495038.05	106742.78	87.39	45.93	1.48	1.48
4	Grid 4	495099.79	106682.86	131.33	48.17	1.49	1.46
5	Grid 5	495223.93	106643.12	124.75	51.28	1.49	1.47
6	Grid 6	495253.66	106709.79	125.46	43.11	1.49	1.49
7	Grid 7	495236.32	106666.11	91.36	42.75	1.50	1.47
8	Grid 8	495165.30	106763.48	89.34	42.75	1.49	1.47
9	Grid 9	495144.47	106817.07	97.90	45.69	1.48	1.47
10	Grid 10	495350.29	106840.26	125.46	47.73	1.49	1.49
11	Grid 11	495074.31	106632.63	96.91	40.88	1.49	1.46
12	Grid 12	495059.68	106597.04	41.07	47.00	1.47	1.47
13	Grid 13	495054.70	106551.76	49.02	83.11	1.49	1.48
14	Grid 14	494931.66	106579.46	46.84	95.19	1.46	1.49
15	Grid 15	495030.82	106637.97	46.84	101.95	1.46	1.50
16	Grid 16	495049.08	106733.28	91.34	40.88	1.50	1.46
17	Grid 17	495054.87	106794.71	73.49	40.88	1.50	1.46
18	Grid 18	494993.18	106831.74	55.12	188.91	1.49	1.50
19	Grid 19	495189.03	106900.93	55.12	104.49	1.49	1.49
20	Grid 20	495229.00	107038.19	55.12	136.01	1.49	1.49

Luminaires

Luminaire A Data

Supplier	
Type	BGP702 DW52
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.60
File Name	Luma Gen2 Micro_BGP702_DW52_3600_20LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	702.3, 55.2, 0.0
Lamp S/P Ratio	1.61
No. in Project	15

Luminaire B Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.00
File Name	Luma Gen2 Micro_BGP702_DM10_3000_20LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	5

Luminaires

Luminaire C Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.00
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_3000_20LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	512.4, 86.8, 0.0
Lamp S/P Ratio	1.61
No. in Project	2

Luminaire D Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DM10_1200_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	29

Luminaire E Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_1200_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	512.4, 86.8, 0.0
Lamp S/P Ratio	1.61
No. in Project	21

Luminaire F Data

Supplier	
Type	BGP702 DW52
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DW52_1200_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	702.3, 55.2, 0.0
Lamp S/P Ratio	1.61
No. in Project	3

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	494995.03	106892.22	6.00	249.00	0.00	0.00	0.40			
2	A	495026.64	106879.61	6.00	248.00	0.00	0.00	0.40			
3	A	495058.72	106858.66	6.00	68.00	0.00	0.00	0.40			
4	A	495085.30	106845.45	6.00	202.00	5.00	0.00	0.40			
5	A	495073.80	106814.22	6.00	343.00	0.00	0.00	0.40			
6	A	495074.39	106779.71	6.00	162.00	0.00	0.00	0.40			
7	A	495061.41	106745.23	6.00	18.00	5.00	0.00	0.40			
8	A	495084.01	106718.57	6.00	48.00	5.00	0.00	0.40			
9	B	495119.62	106701.64	6.00	248.00	0.00	0.00	0.40			
10	A	495148.84	106684.92	6.00	70.00	0.00	0.00	0.40			
11	A	495178.53	106673.48	6.00	51.00	0.00	0.00	0.40			
12	A	495205.07	106666.90	6.00	93.00	0.00	0.00	0.40			
13	A	495232.00	106686.34	6.00	138.00	5.00	0.00	0.40			
14	A	495250.13	106724.94	6.00	318.00	0.00	0.00	0.40			
15	C	495221.65	106656.85	6.00	74.00	5.00	0.00	0.40			
16	C	495257.31	106647.21	6.00	78.00	5.00	0.00	0.40			
17	B	495285.15	106645.30	6.00	253.00	0.00	0.00	0.40			
18	B	495314.12	106635.84	6.00	115.00	0.00	0.00	0.40			
19	A	495347.73	106656.11	6.00	151.00	0.00	0.00	0.40			
20	B	495324.51	106677.99	6.00	54.00	0.00	0.00	0.40			
21	B	495304.46	106708.45	6.00	218.00	5.00	0.00	0.40			
22	A	495281.58	106733.32	6.00	234.00	0.00	0.00	0.40			
23	D	495260.40	106749.80	6.00	225.00	0.00	0.00	0.40			
24	D	495231.14	106766.23	6.00	248.00	0.00	0.00	0.40			
25	D	495202.31	106778.25	6.00	248.00	0.00	0.00	0.40			
26	D	495171.87	106790.99	6.00	250.00	0.00	0.00	0.40			
27	E	495149.31	106756.78	6.00	340.00	0.00	0.00	0.40			
28	E	495137.39	106734.06	6.00	339.00	0.00	0.00	0.40			
29	E	495136.66	106704.47	6.00	158.00	0.00	0.00	0.40			
30	E	495155.98	106779.26	6.00	339.00	0.00	0.00	0.40			
31	E	495167.95	106742.42	6.00	72.00	0.00	0.00	0.40			
32	E	495311.79	106724.71	6.00	125.00	0.00	0.00	0.40			
33	F	495316.58	106752.73	6.00	332.00	5.00	0.00	0.40			
34	D	495297.82	106733.96	6.00	34.00	5.00	0.00	0.40			
35	D	495339.96	106775.71	6.00	146.00	5.00	0.00	0.40			
36	D	495347.08	106805.65	6.00	329.00	5.00	0.00	0.40			

Layout Continued

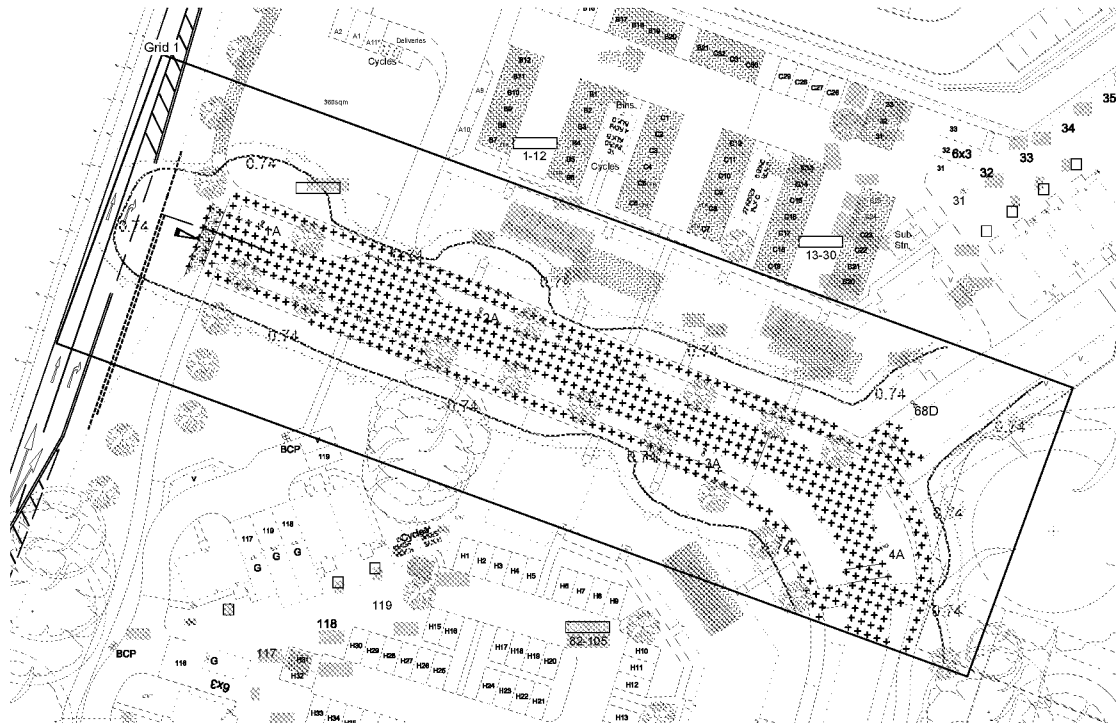
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
37	D	495359.94	106816.07	6.00	225.00	0.00	0.00	0.40			
38	D	495058.85	106721.11	6.00	311.00	0.00	0.00	0.40			
39	E	495044.12	106688.92	6.00	358.00	0.00	0.00	0.40			
40	E	495044.77	106655.25	6.00	2.00	0.00	0.00	0.40			
41	D	495052.22	106628.42	6.00	154.00	0.00	0.00	0.40			
42	E	495025.57	106609.67	6.00	338.00	0.00	0.00	0.40			
43	D	495038.36	106595.54	6.00	256.00	0.00	0.00	0.40			
44	E	495004.77	106593.40	6.00	307.00	0.00	0.00	0.40			
45	F	494974.46	106577.26	6.00	65.00	0.00	0.00	0.40			
46	D	494969.04	106605.78	6.00	158.00	0.00	0.00	0.40			
47	E	494985.58	106634.59	6.00	161.00	0.00	0.00	0.40			
48	E	494969.82	106647.16	6.00	4.00	0.00	0.00	0.40			
49	E	494972.23	106667.74	6.00	343.00	0.00	0.00	0.40			
50	E	495030.52	106672.12	6.00	272.00	0.00	0.00	0.40			
51	E	494997.59	106676.91	6.00	252.00	0.00	0.00	0.40			
52	E	494963.57	106678.60	6.00	74.00	0.00	0.00	0.40			
53	E	494940.32	106691.25	6.00	256.00	0.00	0.00	0.40			
54	D	495031.58	106714.65	6.00	73.00	5.00	0.00	0.40			
55	D	495008.88	106728.89	6.00	249.00	5.00	0.00	0.40			
56	D	494974.26	106732.05	6.00	67.00	5.00	0.00	0.40			
57	D	494957.11	106744.60	6.00	251.00	5.00	0.00	0.40			
58	E	495052.68	106777.72	6.00	250.00	0.00	0.00	0.40			
59	E	495015.50	106782.55	6.00	73.00	0.00	0.00	0.40			
60	E	495000.44	106793.65	6.00	251.00	0.00	0.00	0.40			
61	E	494976.47	106794.46	6.00	70.00	0.00	0.00	0.40			
62	F	494915.73	106689.70	6.00	346.00	5.00	0.00	0.40			
63	D	494931.09	106711.11	6.00	329.00	0.00	0.00	0.40			
64	D	494936.63	106738.37	6.00	322.00	0.00	0.00	0.40			
65	D	494946.62	106769.61	6.00	323.00	0.00	0.00	0.40			
66	D	494960.20	106796.88	6.00	329.00	0.00	0.00	0.40			
67	D	494966.15	106818.50	6.00	358.00	0.00	0.00	0.40			
68	D	495089.02	106866.18	6.00	309.00	0.00	0.00	0.40			
69	D	495120.78	106878.32	6.00	127.00	0.00	0.00	0.40			
70	D	495148.75	106898.67	6.00	126.00	0.00	0.00	0.40			
71	D	495173.58	106918.02	6.00	131.00	0.00	0.00	0.40			
72	D	495176.09	106943.77	6.00	342.00	5.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
73	D	495183.49	106973.28	6.00	345.00	5.00	0.00	0.40			
74	D	495191.48	107005.90	6.00	347.00	5.00	0.00	0.40			
75	D	495196.92	107027.95	6.00	342.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

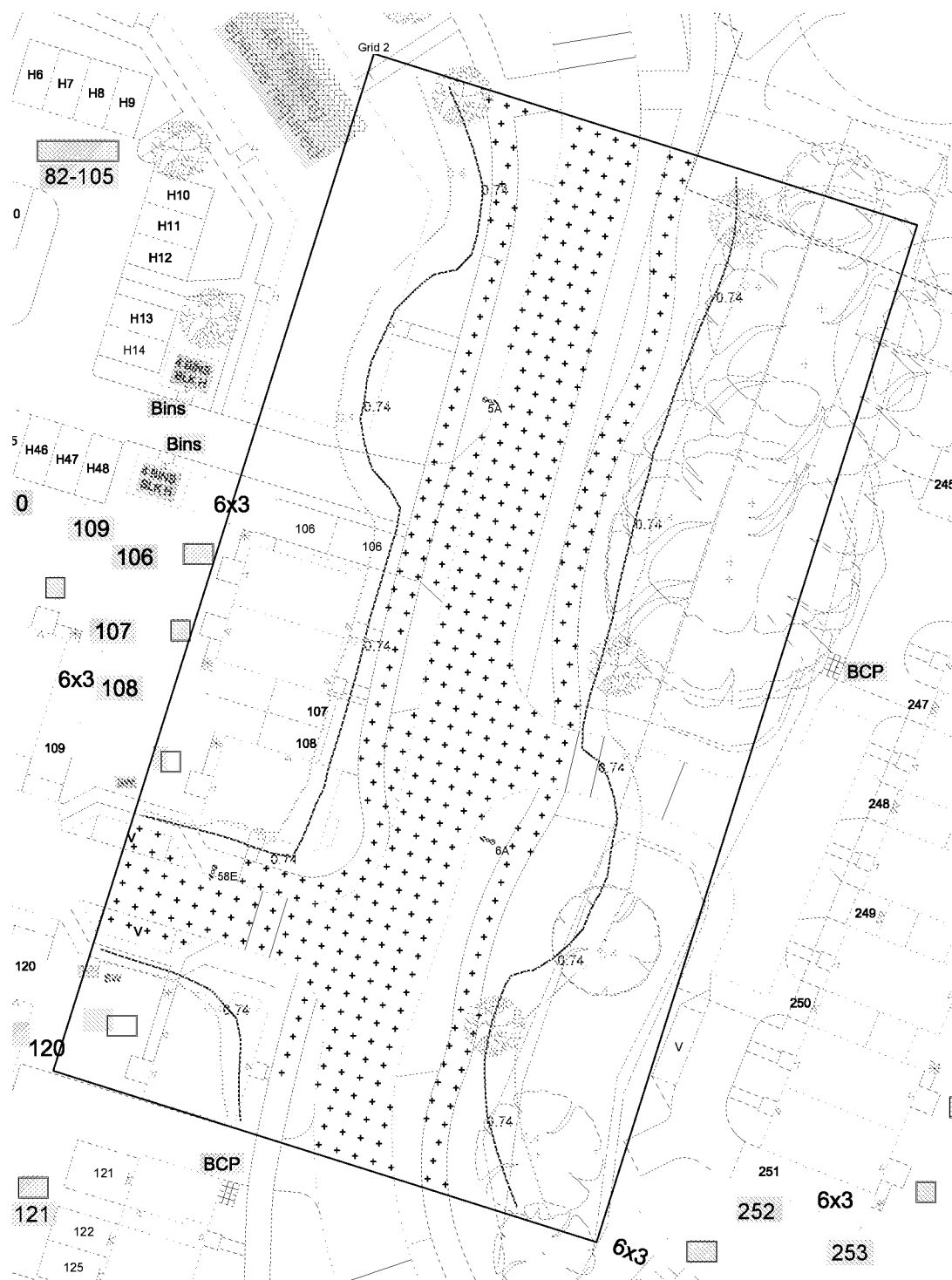
Grid 1



Results

Eav	4.66
Emin	0.99
Emax	10.80
Emin/Emax	0.09
Emin/Eav	0.21

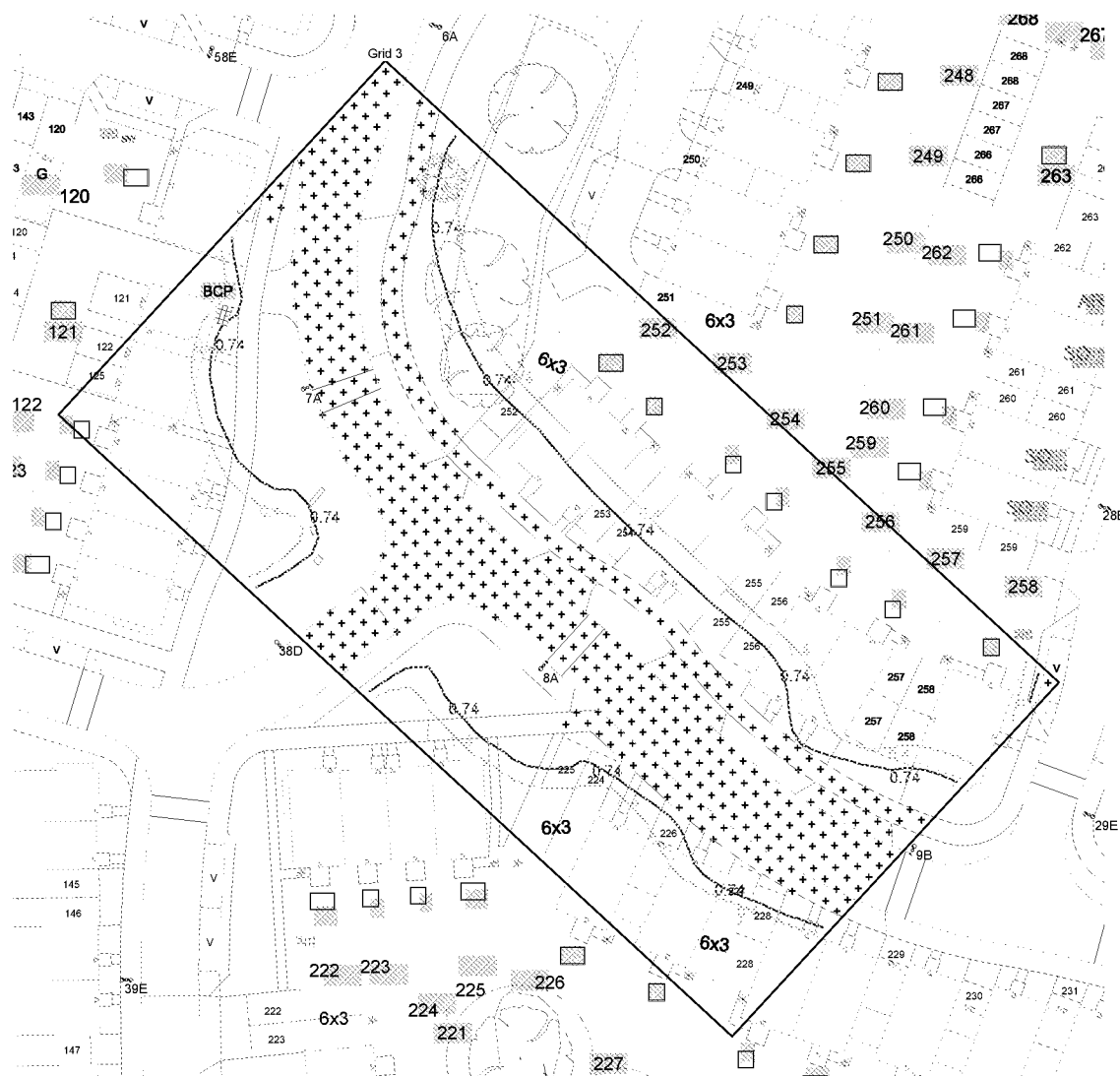
Grid 2



Eav	4.36
Emin	0.97
Emax	10.89
Emin/Emax	0.09
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 3

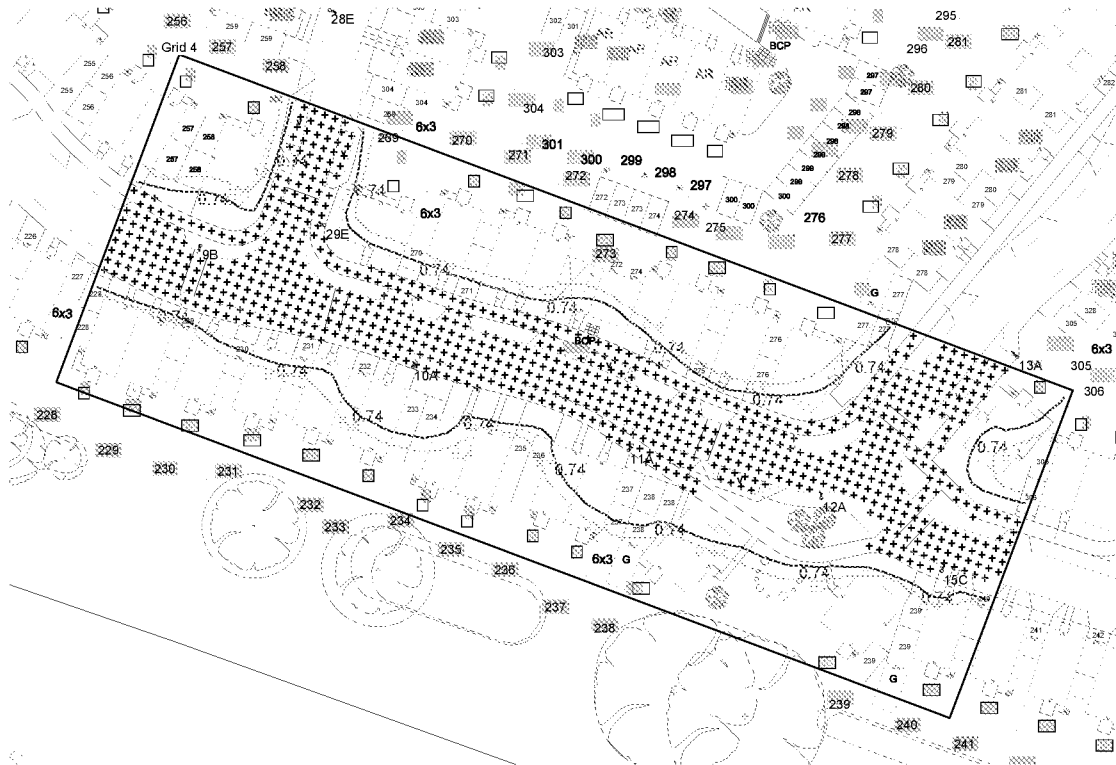


Results

Eav	4.09
Emin	0.81
E _{max}	14.68
Emin/E _{max}	0.05
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 4

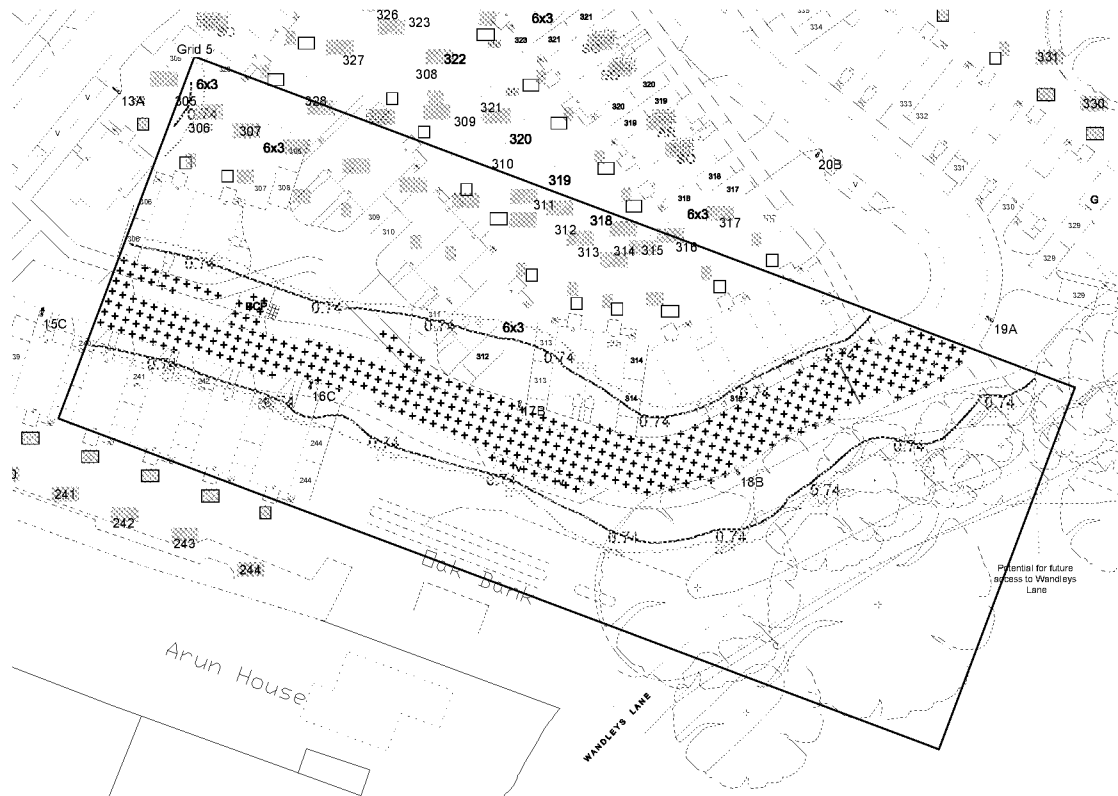


Results

Eav	5.24
Emin	1.07
Emax	16.26
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 5

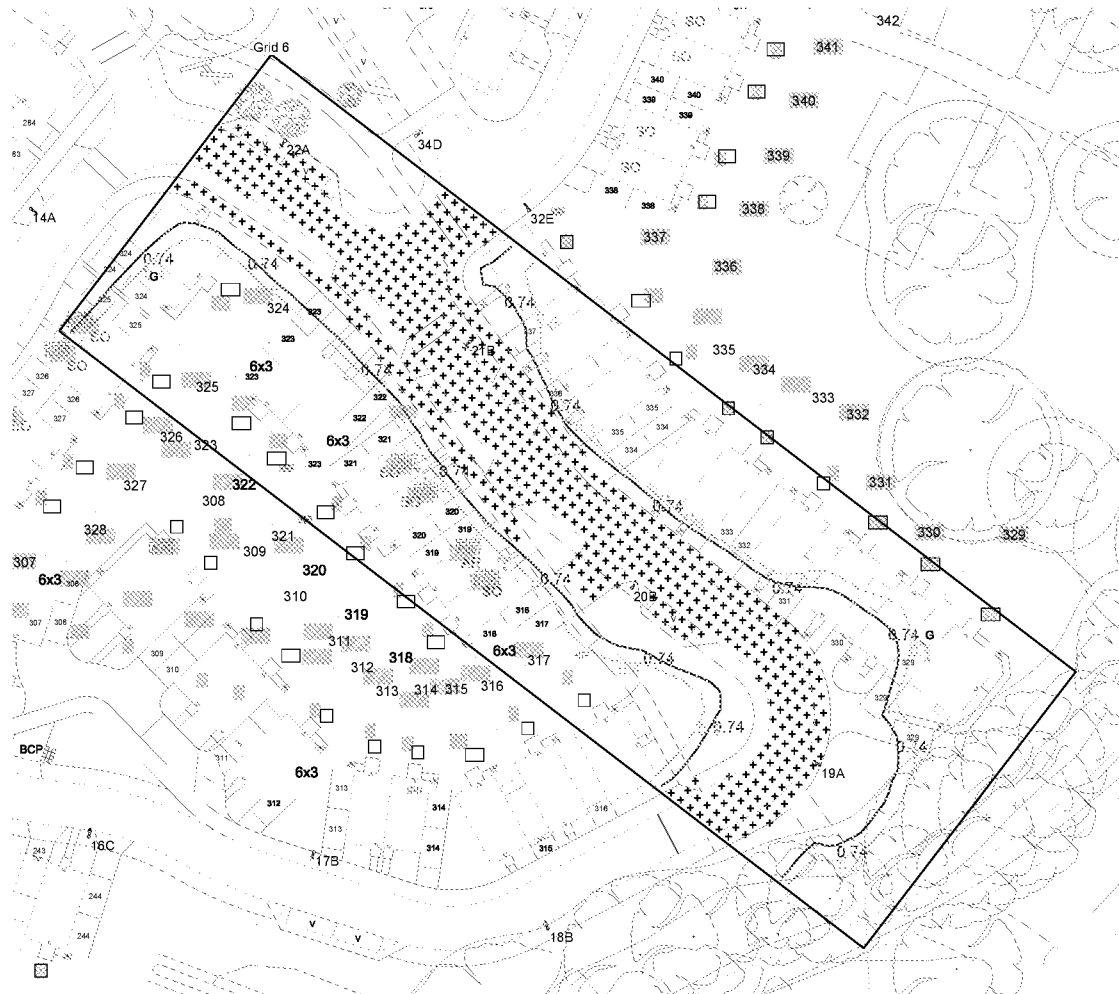


Results

Eav	4.77
Emin	1.09
Emax	16.49
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 6

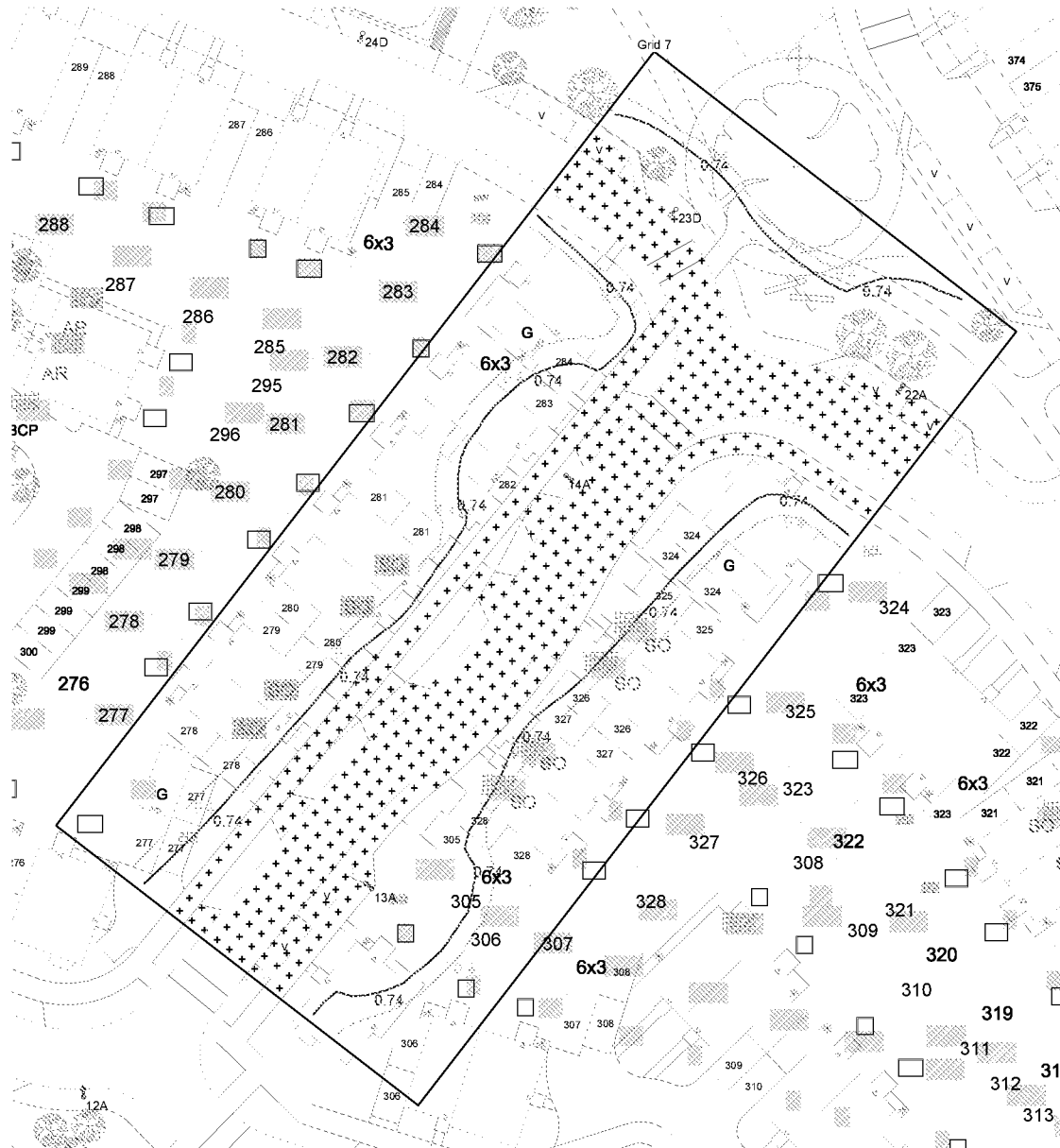


Results

Eav	4.94
Emin	0.97
Emax	16.33
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 7

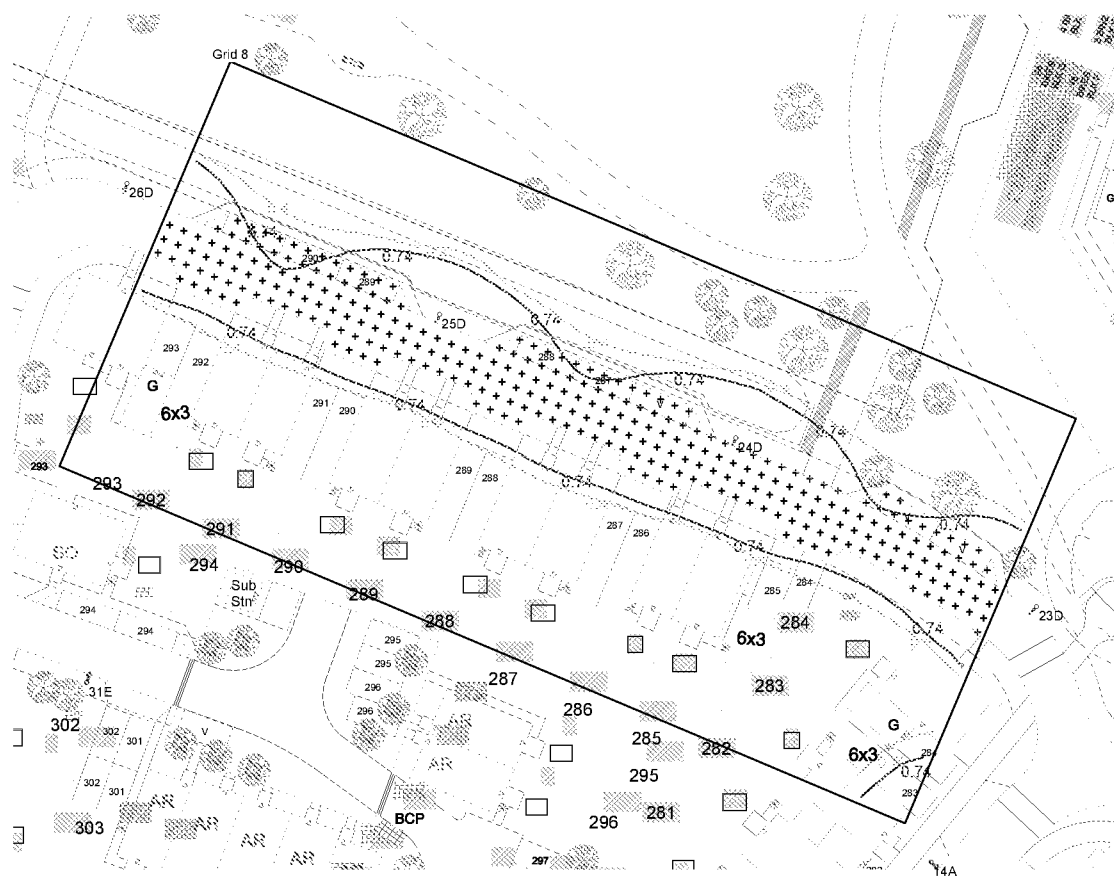


Results

Eav	4.55
Emin	0.95
Emax	10.94
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

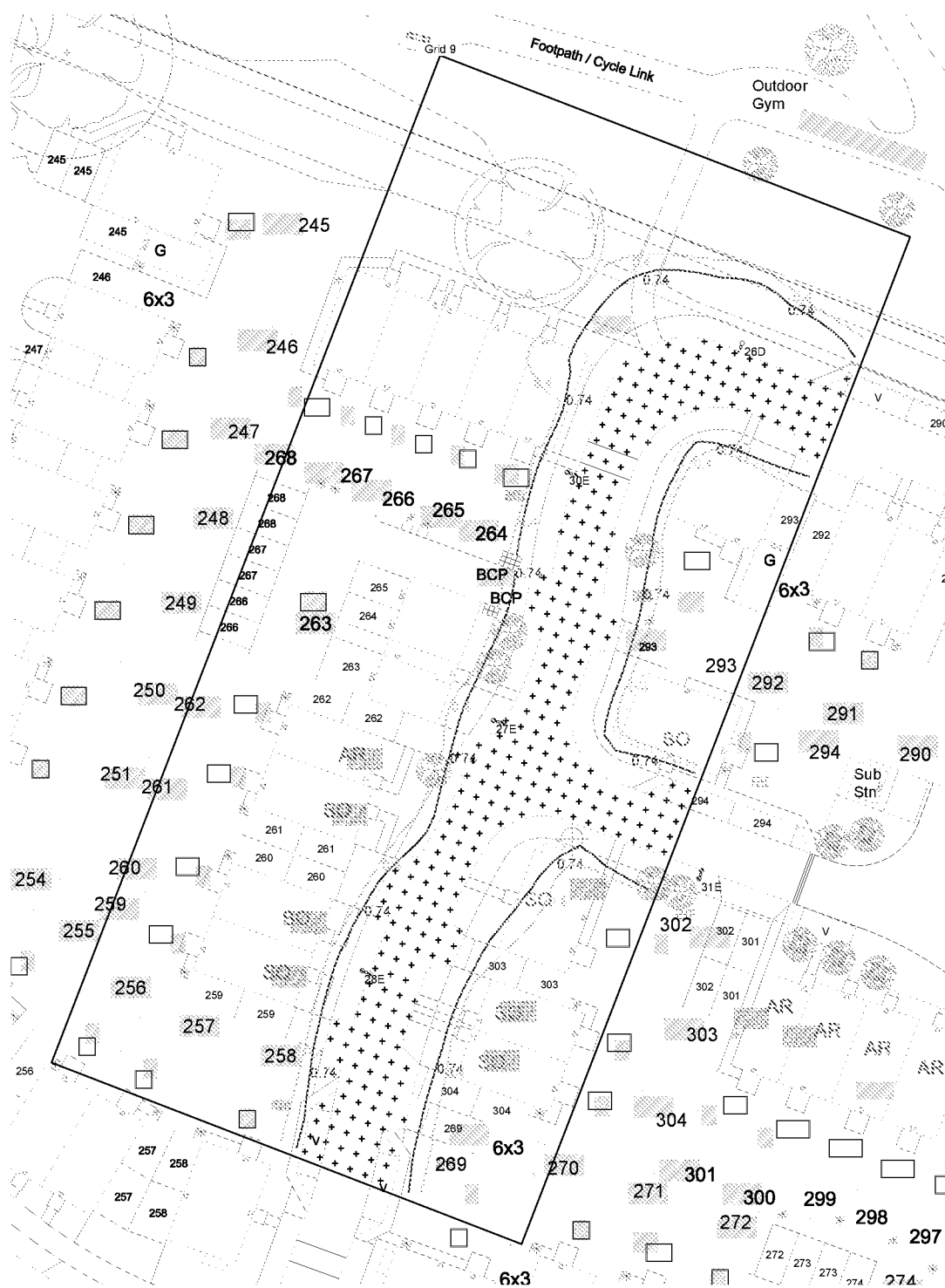
Grid 8



Results

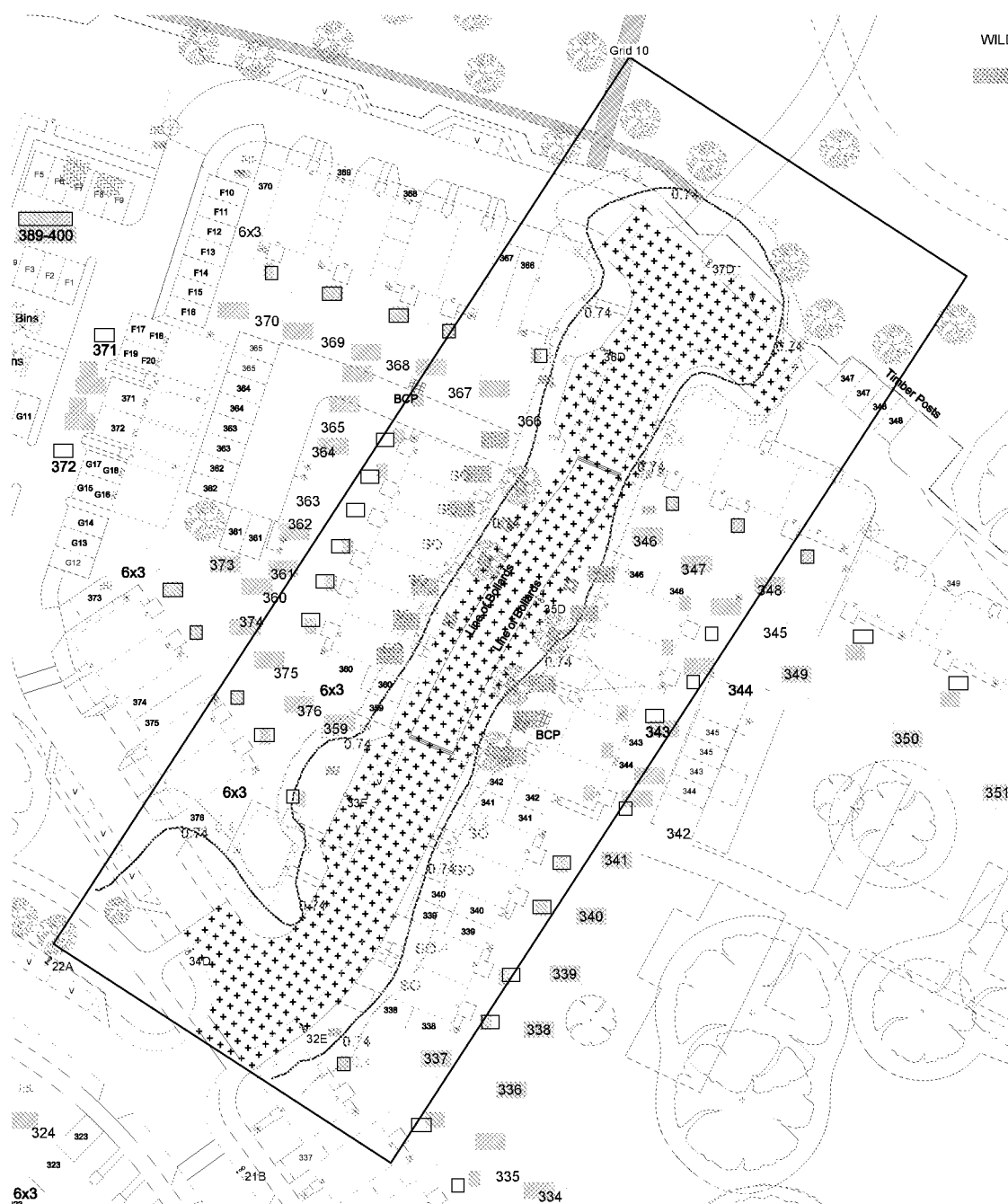
Eav	2.02
Emin	0.62
E _{max}	6.46
Emin/E _{max}	0.10
Emin/Eav	0.31

Grid 9



Eav	2.72
Emin	0.93
Emax	6.81
Emin/Emax	0.14
Emin/Eav	0.34

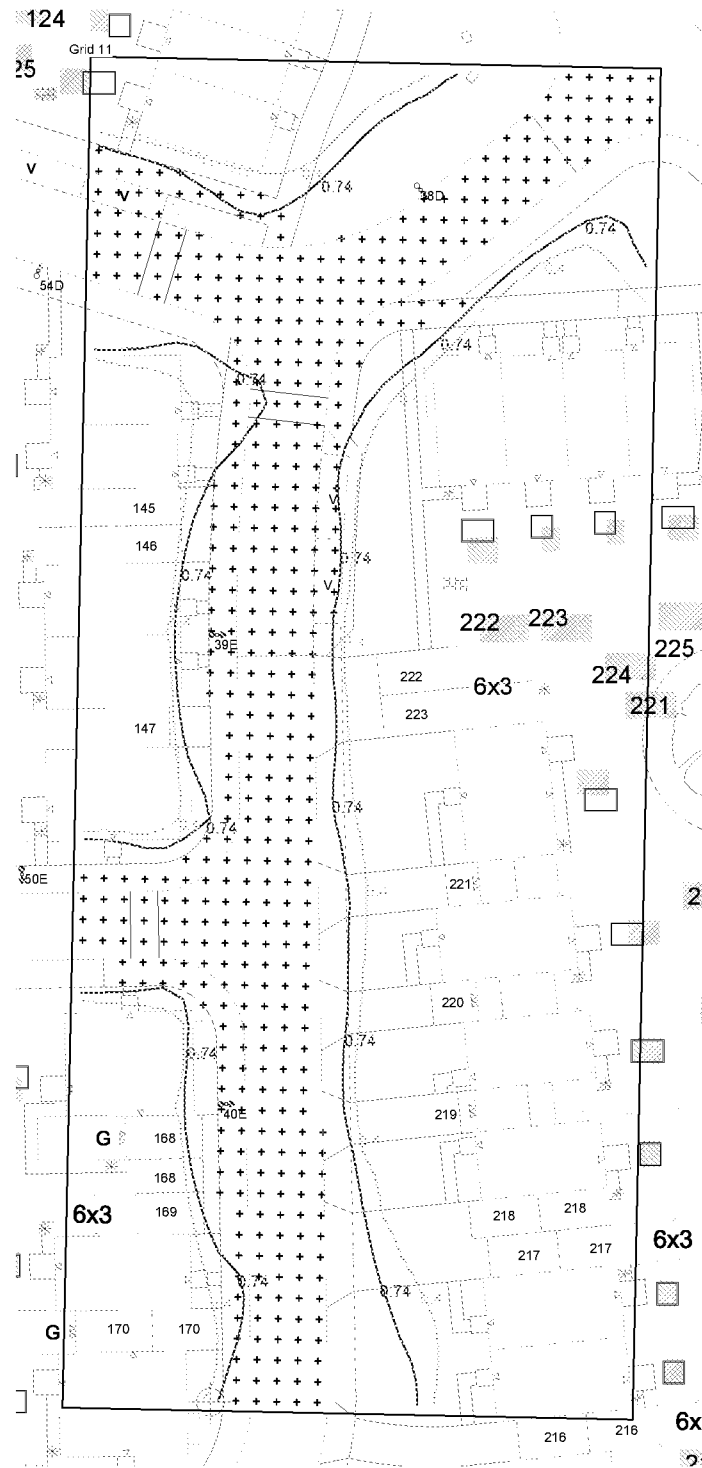
Grid 10



Eav	2.42
Emin	0.40
Emax	7.17
Emin/Emax	0.06
Emin/Eav	0.16

Horizontal Illuminance (lux)

Grid 11

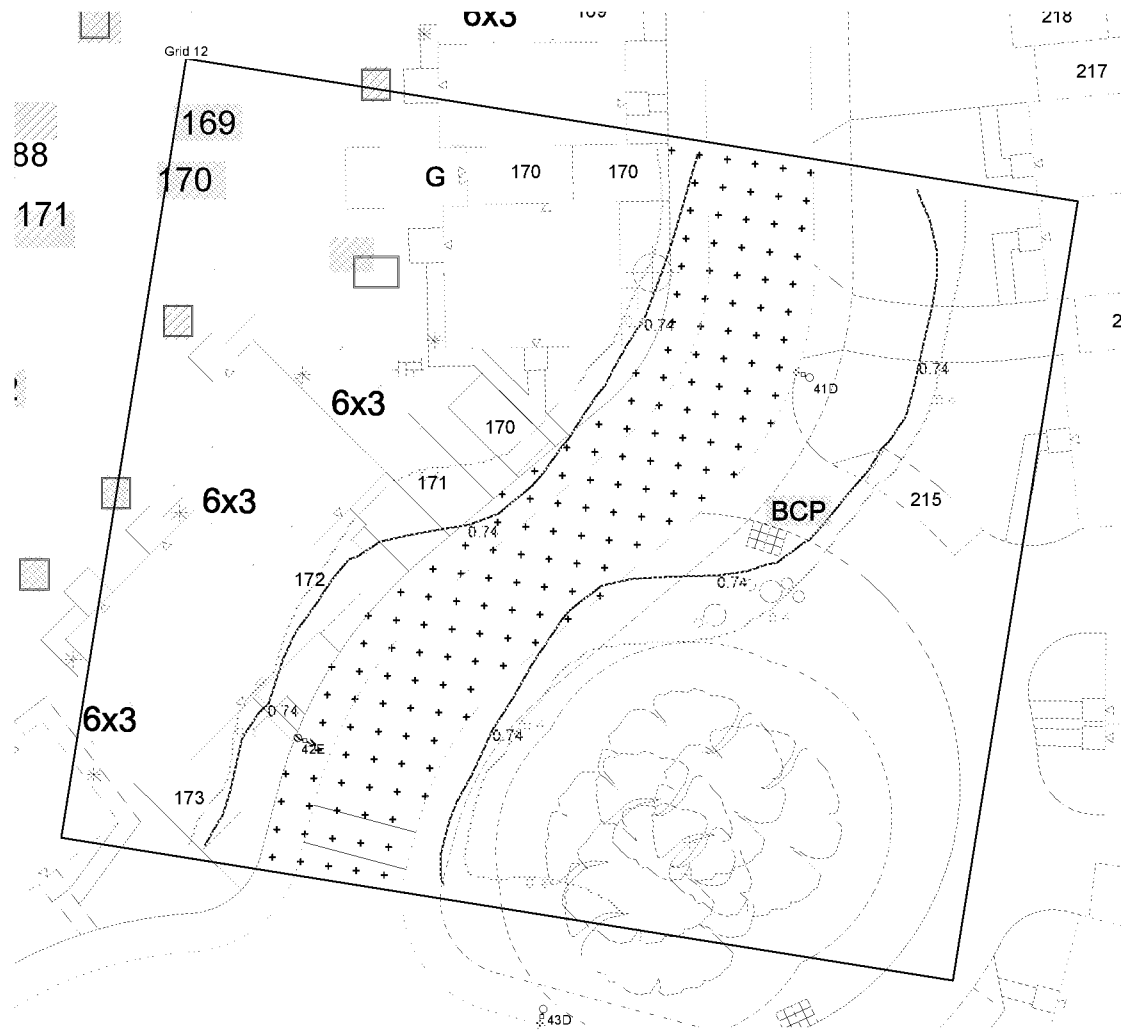


Results

Eav	2.03
Emin	0.58
Emax	6.58
Emin/Emax	0.09
Emin/Eav	0.28

Horizontal Illuminance (lux)

Grid 12

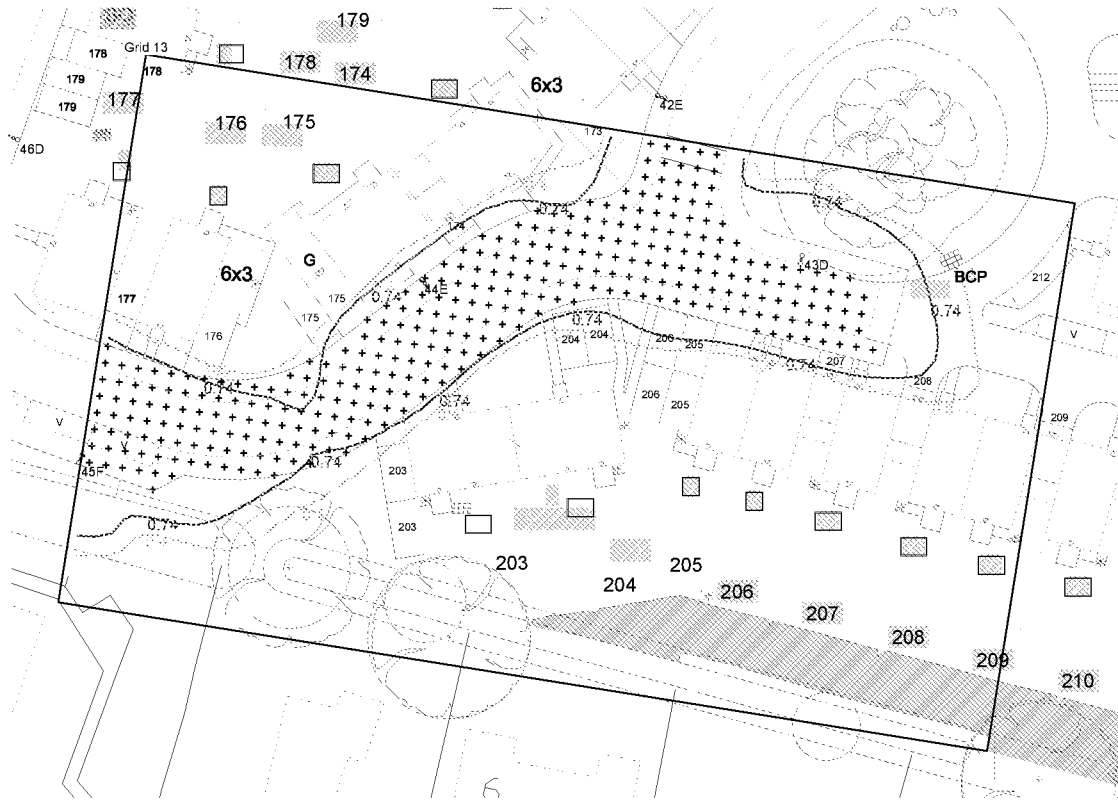


Results

Eav	2.46
Emin	0.49
Emax	6.70
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 13

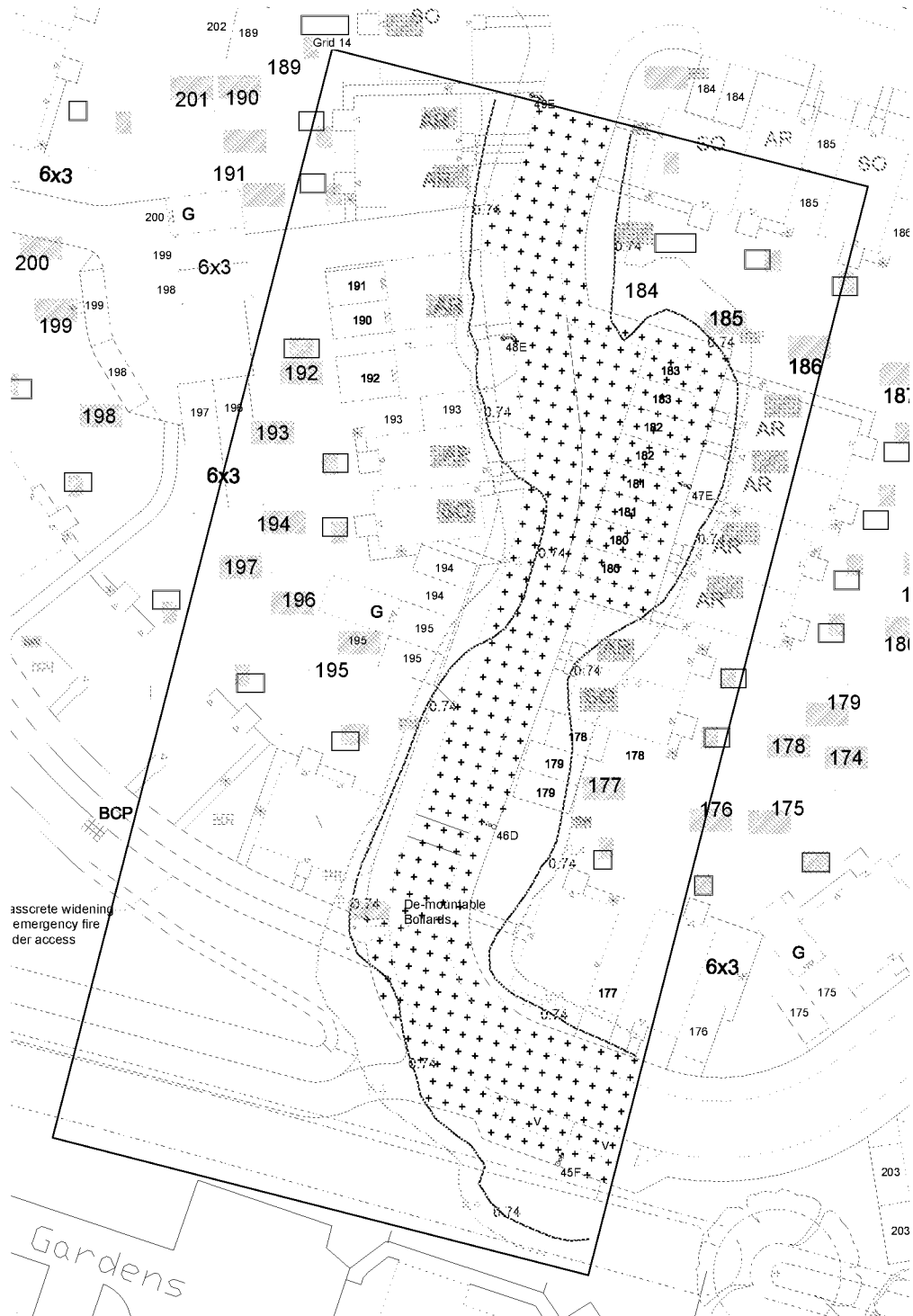


Results

Eav	2.13
Emin	0.53
E _{max}	6.58
E _{min} /E _{max}	0.08
E _{min} /E _{av}	0.25

Horizontal Illuminance (lux)

Grid 14

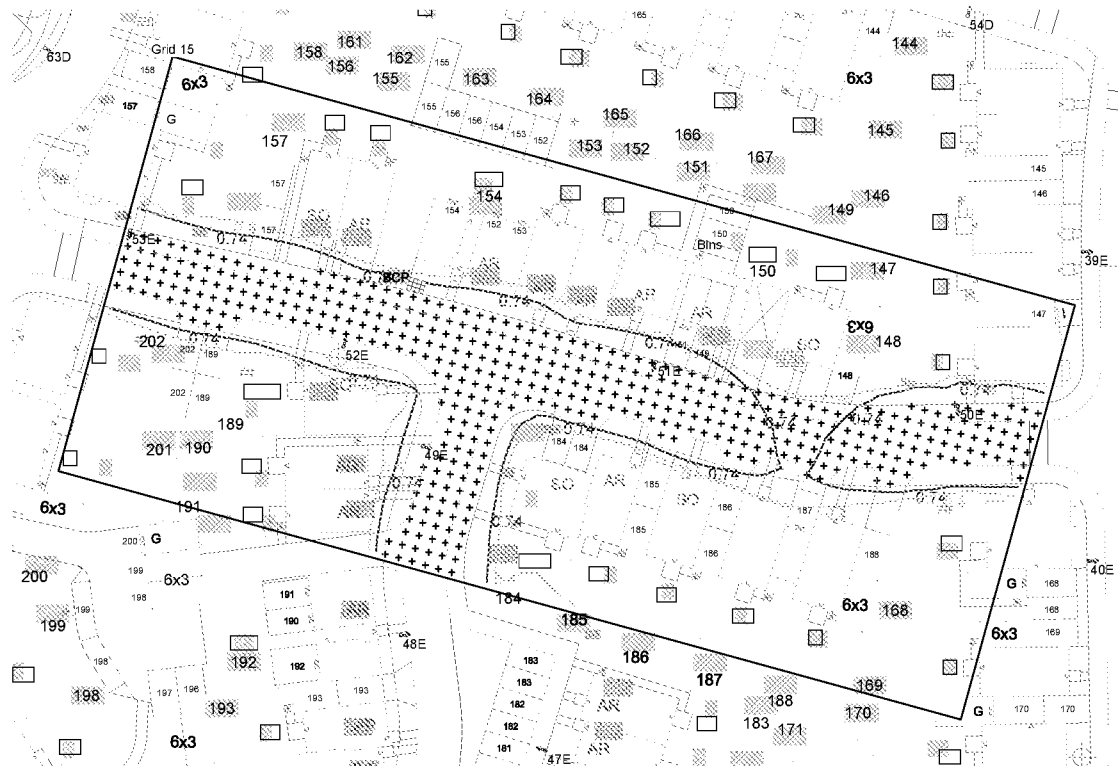


Results

Eav	2.27
Emin	0.47
Emax	6.55
Emin/Emax	0.07
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 15

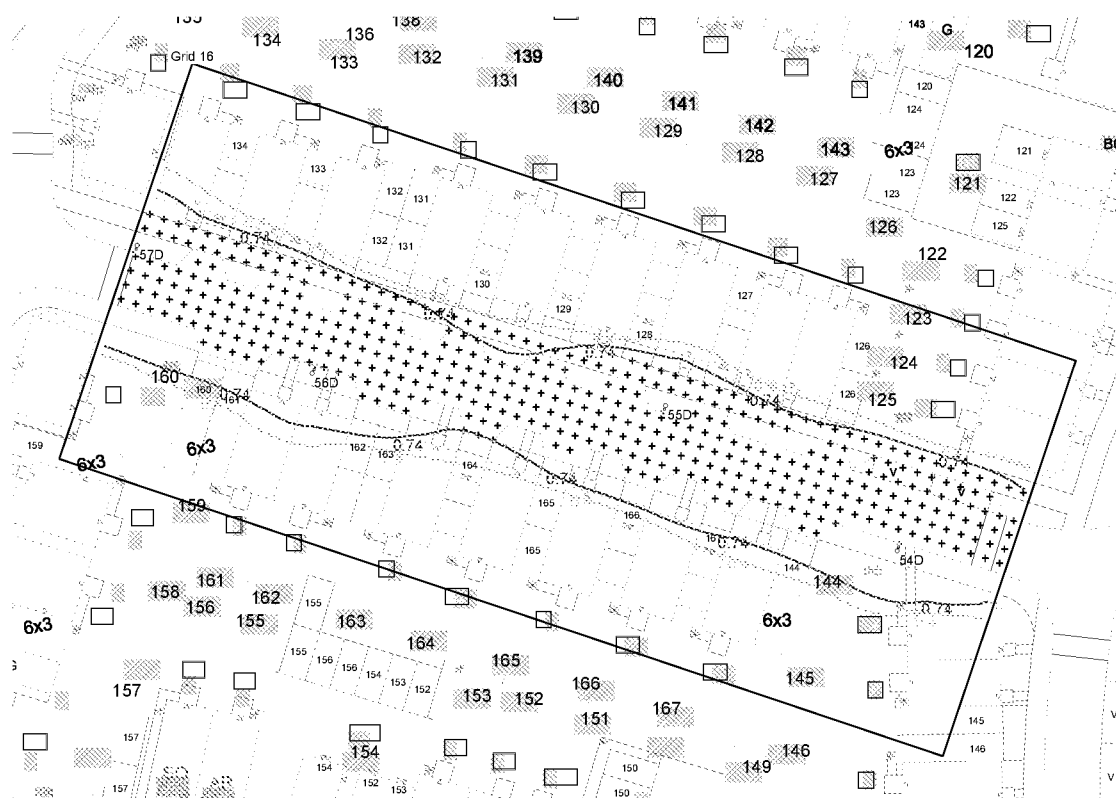


Results

Eav	2.38
Emin	0.51
Emax	5.95
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 16

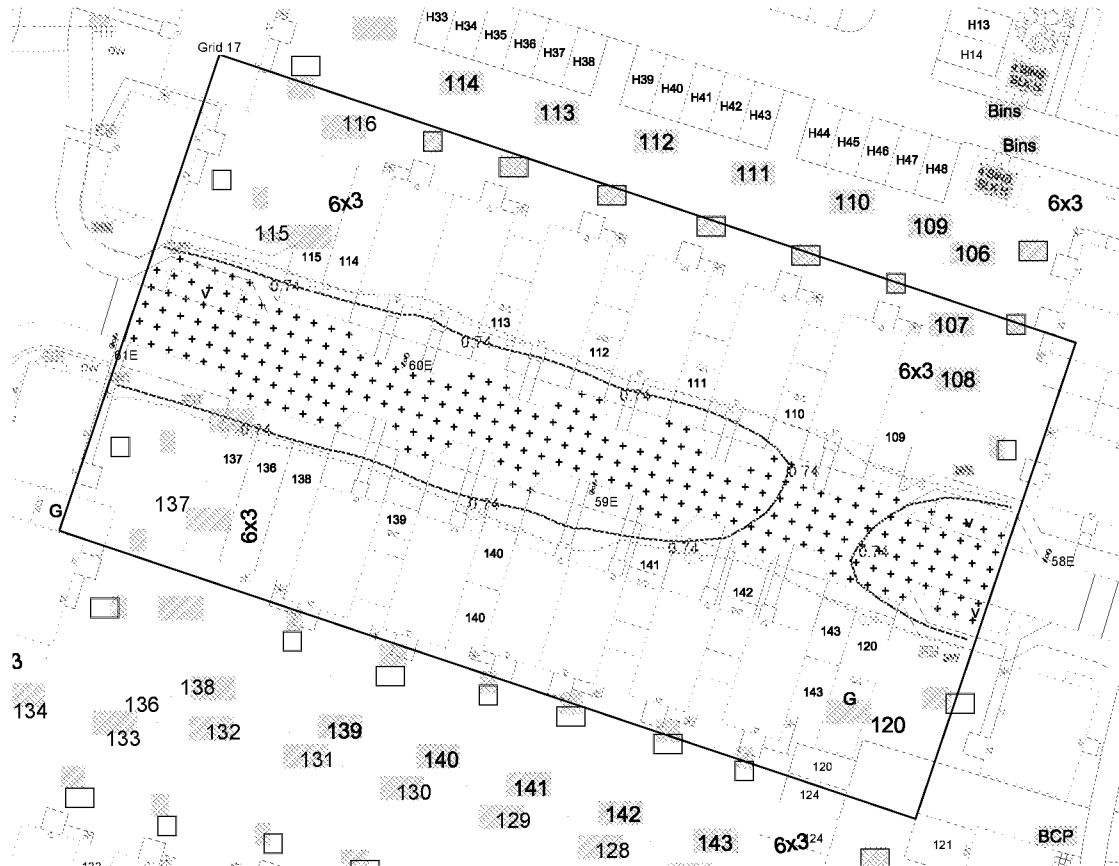


Results

Eav	2.34
Emin	0.57
Emax	6.36
Emin/Emax	0.09
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 17

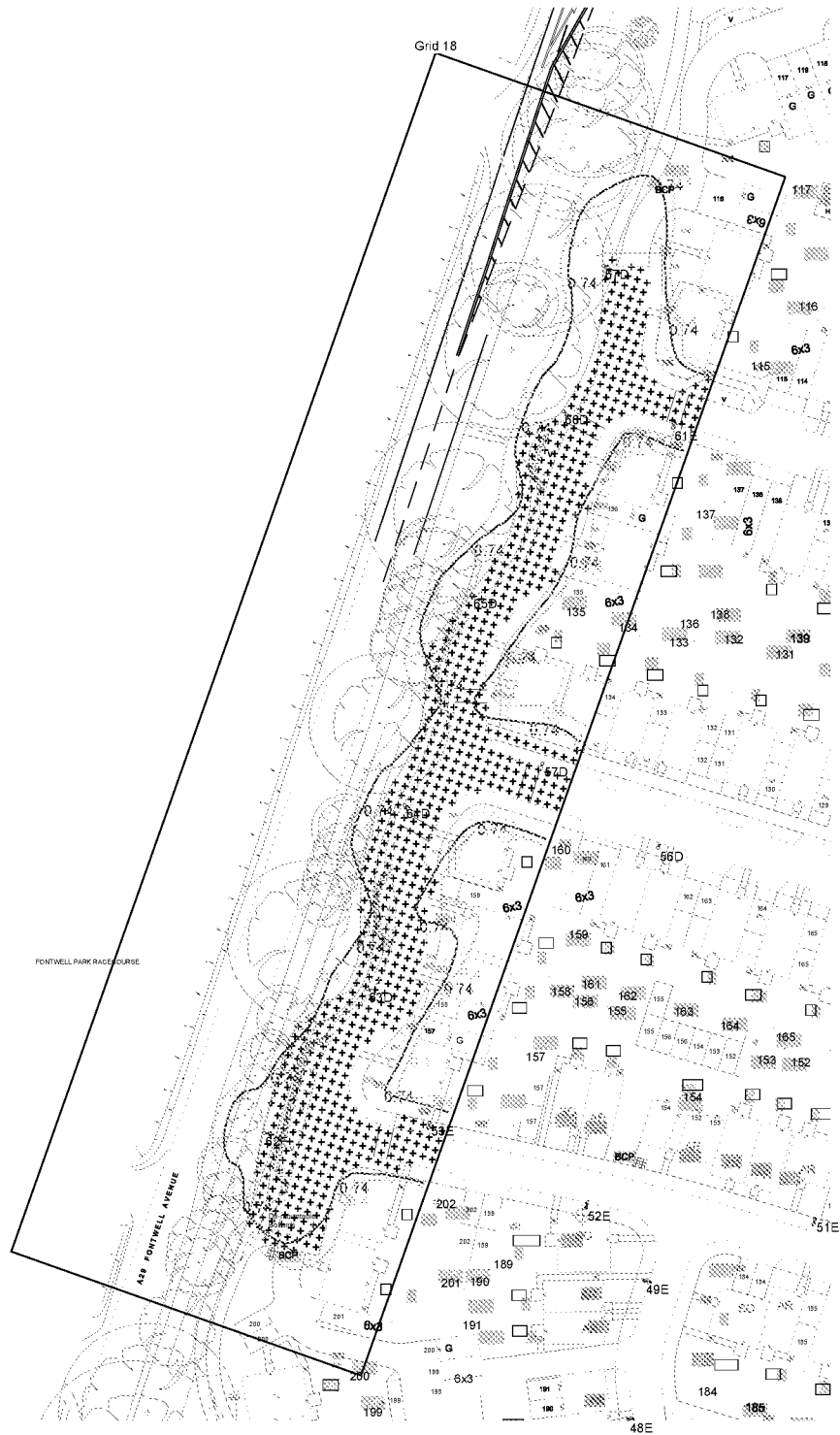


Results

Eav	2.37
Emin	0.55
Emax	6.12
Emin/Emax	0.09
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 18

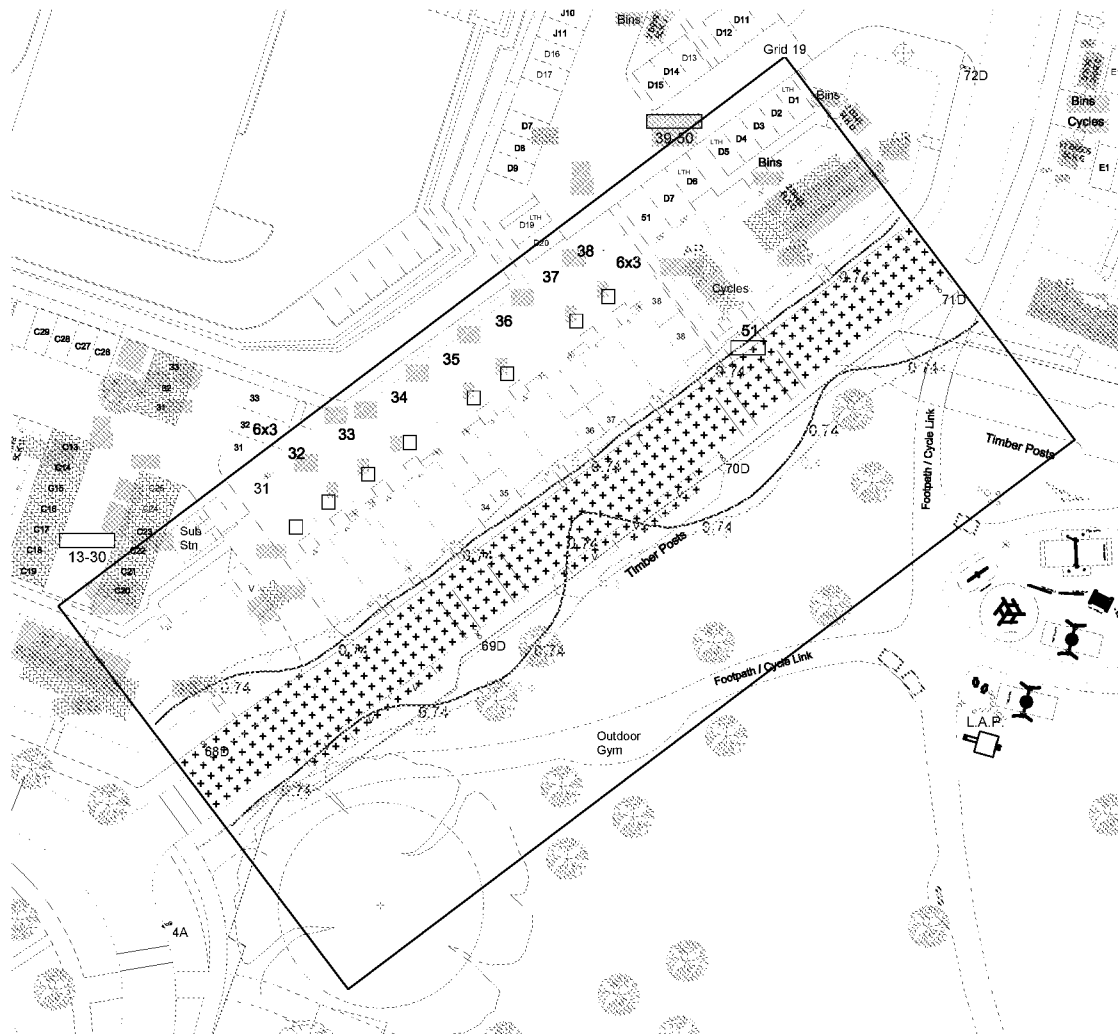


Results

Eav	2.56
Emin	0.51
Emax	6.75
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 19



Results

Eav	2.16
Emin	0.58
Emax	6.77
Emin/Emax	0.09
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 20



Results

Eav	2.22
Emin	0.45
Emax	6.70
Emin/Emax	0.07
Emin/Eav	0.20