

DATE: 19 August 2025
DESIGNER: DPL
PROJECT No: P24896-S38-LRA-06
PROJECT NAME: Phase 2 S38

DPL LIGHTING

On Site Lighting

Phase 2

MF = 1

S38 Elm Grove, Trowbridge

PREPARED BY: DPL Lighting Limited
Grove House
Lutyens Close
Chineham Court
Basingstoke
RG24 8AG
Tel. 01256 578030
david@dpl-lighting.co.uk
www.dpl-lighting.co.uk

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 - Spine Road (P4)	385903.63	156065.53	300.00	300.00	1.50	1.50
2	Grid 2 - Cul-de-sac (P5)	385968.00	156197.53	54.00	60.00	1.50	1.50
3	Remote footpath 29 (P4)	386139.00	156304.00	52.50	9.00	1.50	1.50
4	Remote footpath 25 (P4)	385950.00	156123.00	51.00	9.00	1.50	1.50
5	Grid 5 - Cul-de-sac (P5)	386070.00	156313.00	60.00	66.00	1.50	1.50
6	Grid 6 - Spine Road (P4)	386110.78	156435.00	195.00	15.00	1.50	1.50
7	Grid 7- Cycle Path 1 (P5)	385944.07	156041.93	222.00	15.09	1.50	1.51
8	Grid 8- Cycle Path (P5)	386011.42	156311.05	138.00	15.00	1.38	1.50
9	Grid 9 - Cycle Path (P5)	386020.00	156309.00	150.00	15.00	1.50	1.50
10	Grid 10	385991.71	156167.93	45.00	2.00	1.50	1.00
11	ISOLUX	385899.00	156036.00	375.00	375.00	1.50	1.50
12	Grid 12	385953.09	156044.96	69.00	4.00	1.00	1.00
13	Grid 13 - Vertical	385998.84	156096.98	61.00	4.00	1.00	1.00
14	Grid 14 - Vertical	386044.30	156138.44	88.00	4.00	1.00	1.00
15	Grid 15 - Vertical	386219.30	156255.29	25.00	4.00	1.00	1.00
16	Grid 16 - Vertical	385965.52	156249.80	20.00	4.00	1.00	1.00
17	Grid 17 - Vertical	386009.80	156324.93	127.00	4.00	1.00	1.33

Luminaire

Luminaire A Data

Supplier	
Type	AXIA 3.2 D8.8 - 3K 32 OSLO SQUARE GIANT 580mA WW Integrated
Lamp(s)	32 OSLO SQUARE GIANT 580mA WW 3000K
Lamp Flux (klm)	8.87
File Name	AXIA 3.2 D8.8 - 3K 32 OSLO SQUARE GIANT 580mA WW 3000K Integrated le...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	825.8, 81.9, 0.0
No. in Project	7

Luminaire D Data

Supplier	
Type	AXIA 3.2 E11.4-3K BL Integrated lenses - 32 OSLO SQUARE GIA
Lamp(s)	32 OSLO SQUARE GIANT WW 730 23 0V 00-36-646
Lamp Flux (klm)	11.46
File Name	AXIA 3.2 E11.4 - 3K BL 32 OSLO SQU ARE GIANT 800mA WW 3000K Integrat...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	359.1, 9.2, 0.0
No. in Project	1

Luminaire E Data

Supplier	
Type	AXIA 3.2 D11.4 - 3K 32 OSLO SQUAR E GIANT 800mA WW Integrated
Lamp(s)	32 OSLO SQUARE GIANT 800mA WW 3000K
Lamp Flux (klm)	11.46
File Name	AXIA 3.2 D11.4 - 3K 32 OSLO SQUAR E GIANT 800mA WW 3000K Integrated ...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	825.8, 81.9, 0.0
No. in Project	3

Luminaire G Data

Supplier	
Type	AXIA 3.3 E14.6-3K BL Integrated lenses - 64 OSLO SQUARE GIA
Lamp(s)	64 OSLO SQUARE GIANT WW 730 23 0V 00-36-646
Lamp Flux (klm)	15.09
File Name	AXIA 3.3 E14.6 - 3K BL 64 OSLO SQU ARE GIANT 480mA WW 3000K Integrat...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	359.1, 9.2, 0.0
No. in Project	1

Luminaires

Luminaire H Data

Supplier	
Type	AXIA 3.1 C3.5 - 27K 16 OSOLON SQUAR E GIANT 460mA WW Integrated
Lamp(s)	16 OSOLON SQUARE GIANT 460mA WW 2700K
Lamp Flux (klm)	3.50
File Name	AXIA 3.1 C3.5 - 27K 16 OSOLON SQUAR E GIANT 460mA WW 2700K Integrated ...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	862.0, 84.6, 0.0
No. in Project	18

Luminaire I Data

Supplier	
Type	AXIA 3.1 C3.5 - 27K BL 16 OSOLON SQU ARE GIANT 460mA WW 2700K I
Lamp(s)	16 OSOLON SQUARE GIANT 460mA WW 2700K
Lamp Flux (klm)	3.50
File Name	AXIA 3.1 C3.5 - 27K BL 16 OSOLON SQU ARE GIANT 460mA WW 2700K Integrat...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	742.5, 62.1, 4.3
No. in Project	10

Luminaire J Data

Supplier	
Type	AXIA 3.1 C2.0 - 27K 8 OSOLON SQUARE GIANT 540mA WW Integrated
Lamp(s)	8 OSOLON SQUARE GIANT 540mA WW 2 700K
Lamp Flux (klm)	2.01
File Name	AXIA 3.1 C2.0 - 27K 8 OSOLON SQUARE GIANT 540mA WW 2700K Integrated le...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	862.0, 84.6, 0.0
No. in Project	2

Luminaire K Data

Supplier	
Type	AXIA 3.1 C2.0 - 27K BL 8 OSOLON SQUA RE GIANT 540mA WW 2700K In
Lamp(s)	8 OSOLON SQUARE GIANT 540mA WW 2 700K
Lamp Flux (klm)	2.01
File Name	AXIA 3.1 C2.0 - 27K BL 8 OSOLON SQUA RE GIANT 540mA WW 2700K Integrate...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	742.5, 62.1, 4.3
No. in Project	5

Luminaire L Data

Supplier	
Type	AXIA 3.1 C2.0-27K SL Integrated lenses Sides louvers 8 OSOLON
Lamp(s)	8 OSOLON SQUARE GIANT@540mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.35 2700K/70
File Name	AXIA 3.1 C2.0-27K SL 8 OSOLON SQUAR E GIANT 540mA WW 2700K Integrated ...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	640.6, 59.2, 0.0
No. in Project	2

Luminaire M Data

Supplier	
Type	AXIA 3.1 A1.0 - 27K BL 8 OSOLON SQUA RE GIANT 270mA WW 2700K In
Lamp(s)	8 OSOLON SQUARE GIANT 270mA WW 2 700K
Lamp Flux (klm)	1.08
File Name	AXIA 3.1 A1.0 - 27K BL 8 OSOLON SQUA RE GIANT 270mA WW 2700K Integrate...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	938.6, 24.7, 3.0
No. in Project	25

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
17	A	385686.36	155869.26	10.00	90.00	0.00	0.00	2.00	100%			
18	A	385728.04	155882.09	10.00	267.00	0.00	0.00	0.40	100%			
19	A	385766.73	155869.37	10.00	90.00	0.00	0.00	2.00	100%			
20	A	385806.98	155882.46	10.00	270.00	0.00	0.00	0.40	100%			
21	A	385845.87	155869.46	10.00	86.00	0.00	0.00	2.00	100%			
6	G	385878.43	155886.43	10.00	270.00	0.00	0.00	0.40	100%			
7	E	385939.21	155883.87	10.00	270.00	0.00	0.00	0.40	100%			
24	E	385965.12	155881.45	10.00	263.00	0.00	0.00	0.40	100%			
25	A	386005.16	155873.84	10.00	255.00	0.00	0.00	1.00	100%			
26	A	386038.96	155865.09	10.00	247.00	0.00	0.00	2.00	100%			
11	E	385912.11	155885.45	10.00	270.00	0.00	0.00	0.40	100%			
12	D	385890.39	155893.15	10.00	0.00	0.00	0.00	0.40	100%			
13	I	385890.71	155948.95	6.00	221.00	0.00	0.00	0.40	100%			
14	H	385867.70	155955.10	6.00	55.00	0.00	0.00	0.40	100%			
15	H	385856.88	155980.57	6.00	228.00	0.00	0.00	0.40	100%			
16	H	385831.08	155978.34	6.00	135.00	0.00	0.00	0.40	100%			
17	H	385844.06	156007.53	6.00	316.00	0.00	0.00	0.40	100%			
18	L	385813.53	155957.44	5.00	139.00	0.00	0.00	0.40	100%			
19	H	385911.31	156072.91	6.00	135.00	0.00	0.00	0.40	100%			
20	H	385883.35	156054.93	6.00	321.00	0.00	0.00	0.40	100%			
21	H	385864.01	156031.53	6.00	321.00	0.00	0.00	0.40	100%			
22	L	385873.03	156087.40	5.00	226.00	0.00	0.00	0.40	100%			
23	J	385891.07	156072.94	5.00	228.00	0.00	0.00	0.40	100%			
24	M	385928.99	156008.32	4.00	157.00	0.00	0.00	0.40	100%			
25	M	385942.10	156033.00	4.00	156.00	0.00	0.00	0.40	100%			
26	I	385902.13	155925.64	6.00	188.00	0.00	0.00	0.40	50%			
27	M	385899.81	155963.75	4.00	153.00	0.00	0.00	0.40	50%			
28	M	385912.87	155986.33	4.00	142.00	0.00	0.00	0.40	50%			
29	H	385927.92	156097.39	6.00	146.00	0.00	0.00	0.40	100%			
30	H	385933.34	156130.11	6.00	332.00	0.00	0.00	0.40	100%			
31	I	385954.32	156154.21	6.00	311.00	0.00	0.00	0.40	100%			
32	H	385983.36	156162.95	6.00	121.00	0.00	0.00	0.40	100%			
33	H	386000.86	156192.51	6.00	315.00	0.00	0.00	0.40	100%			
34	I	386027.28	156205.99	6.00	135.00	0.00	0.00	0.40	100%			
35	I	386043.72	156238.76	6.00	316.00	0.00	0.00	0.40	100%			
36	I	386068.01	156265.22	6.00	315.00	0.00	0.00	0.40	100%			

Layout Continued

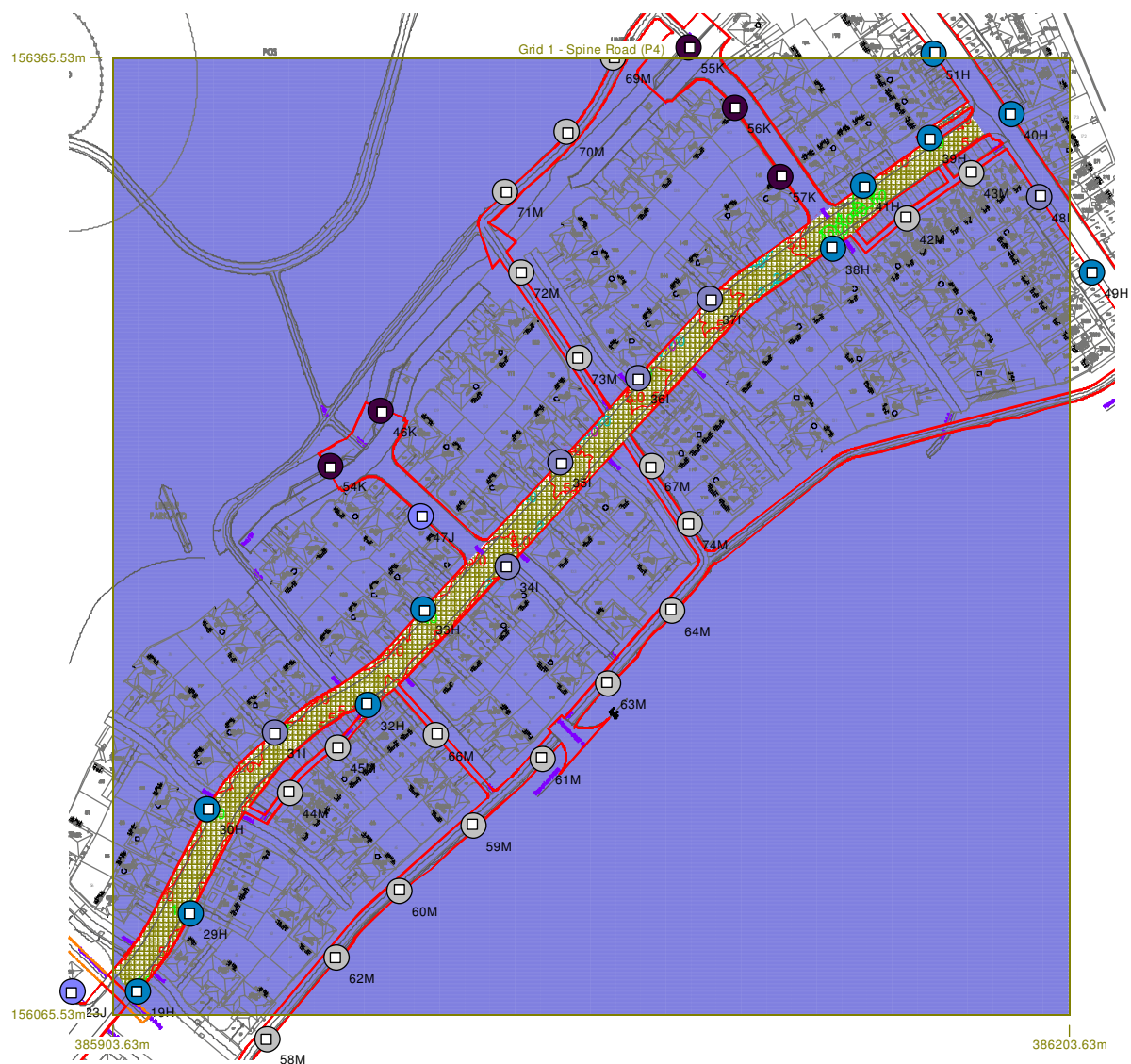
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
37	I	386090.60	156289.79	6.00	315.00	0.00	0.00	0.40	100%			
38	H	386129.09	156305.83	6.00	129.00	0.00	0.00	0.40	100%			
39	H	386159.41	156340.46	6.00	307.00	0.00	0.00	0.40	100%			
40	H	386185.17	156347.98	6.00	219.00	0.00	0.00	0.40	100%			
41	H	386138.79	156325.36	6.00	304.00	0.00	0.00	0.40	100%			
42	M	386152.34	156315.12	5.00	133.00	0.00	0.00	0.40	100%			
43	M	386172.72	156329.19	5.00	126.00	0.00	0.00	0.40	100%			
44	M	385959.17	156135.36	5.00	145.00	0.00	0.00	0.40	100%			
45	M	385974.13	156149.22	5.00	122.00	0.00	0.00	0.40	100%			
46	K	385987.53	156254.71	5.00	336.00	0.00	0.00	0.40	100%			
47	J	386000.04	156221.66	5.00	51.00	0.00	0.00	0.40	100%			
48	I	386193.89	156321.87	6.00	32.00	0.00	0.00	0.40	100%			
49	H	386210.19	156298.09	6.00	39.00	0.00	0.00	0.40	100%			
50	I	386223.97	156277.73	6.00	32.00	0.00	0.00	0.40	100%			
51	H	386160.64	156366.79	6.00	37.00	0.00	0.00	0.40	100%			
52	H	386115.05	156429.35	6.00	32.00	0.00	0.00	0.40	100%			
53	I	386144.46	156406.57	6.00	216.00	0.00	0.00	0.40	100%			
54	K	385971.68	156237.73	5.00	297.00	0.00	0.00	0.40	100%			
55	K	386084.09	156368.81	5.00	313.00	0.00	0.00	0.40	100%			
56	K	386098.32	156349.66	5.00	41.00	0.00	0.00	0.40	100%			
57	K	386112.86	156328.22	5.00	36.00	0.00	0.00	0.40	100%			
58	M	385951.96	156057.89	6.00	137.00	0.00	0.00	0.40	100%			
59	M	386016.56	156124.89	4.00	129.00	0.00	0.00	0.40	100%			
60	M	385993.55	156104.60	4.00	131.00	0.00	0.00	0.40	100%			
61	M	386038.18	156145.82	4.00	132.00	0.00	0.00	0.40	100%			
62	M	385973.55	156083.52	4.00	139.00	0.00	0.00	0.40	100%			
63	M	386058.60	156169.59	4.00	141.00	0.00	0.00	0.40	100%			
64	M	386078.87	156192.41	4.00	135.00	0.00	0.00	0.40	100%			
66	M	386004.95	156153.35	5.00	41.00	0.00	0.00	0.40	100%			
67	M	386072.52	156237.39	4.00	212.00	0.00	0.00	0.40	100%			
67	M	386103.24	156408.46	4.00	309.00	0.00	0.00	0.40	100%			
68	M	386079.23	156389.47	4.00	309.00	0.00	0.00	0.40	100%			
69	M	386060.36	156365.55	4.00	330.00	0.00	0.00	0.40	100%			
70	M	386045.89	156342.15	4.00	314.00	0.00	0.00	0.40	100%			
71	M	386026.42	156323.49	4.00	318.00	0.00	0.00	0.40	100%			
72	M	386031.76	156298.26	4.00	212.00	0.00	0.00	0.40	100%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
73	M	386049.69	156271.54	5.00	208.00	0.00	0.00	0.40	100%			
74	M	386084.28	156219.49	4.00	212.00	0.00	0.00	0.40	100%			

Horizontal Illuminance (lux)

Grid 1 - Spine Road (P4)

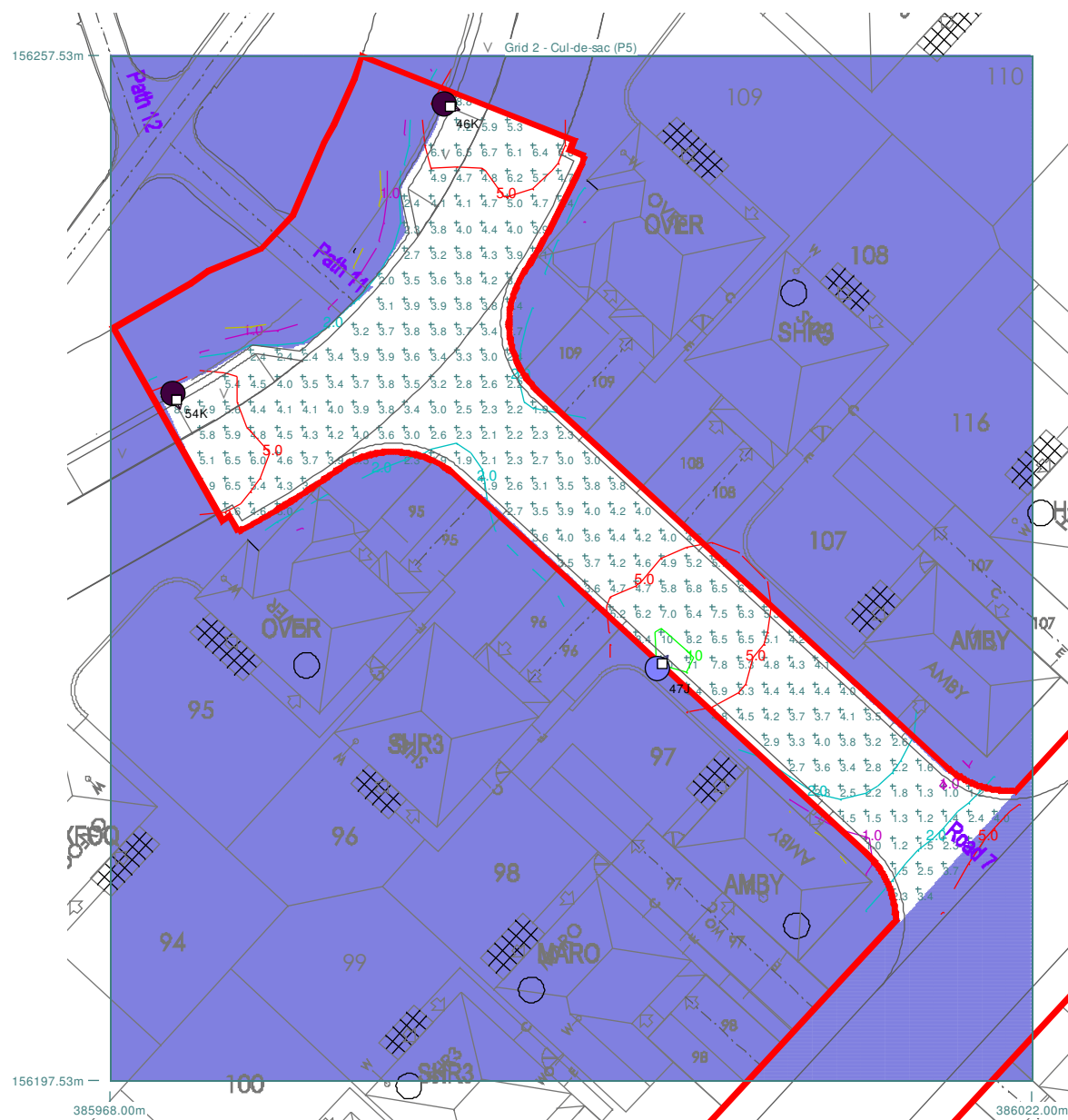


Results

Eav	5.98
Emin	1.26
E _{max}	15.01
Emin/E _{max}	0.08
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 2 - Cul-de-sac (P5)

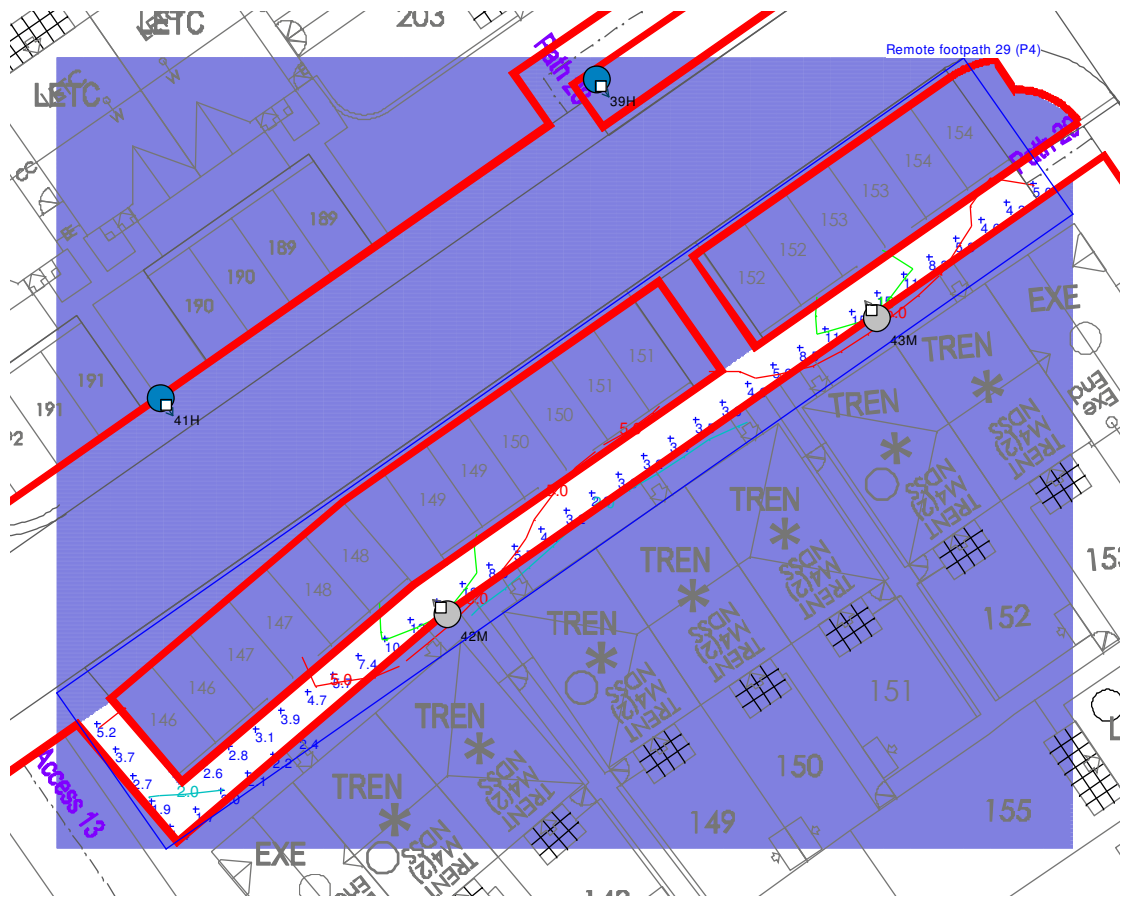


Results

Eav	4.07
Emin	0.95
E _{max}	10.79
Emin/E _{max}	0.09
Emin/Eav	0.23

Horizontal Illuminance (lux)

Remote footpath 29 (P4)



Results

Eav	5.74
Emin	1.39
Emax	16.99
Emin/Emax	0.08
Emin/Eav	0.24

Horizontal Illuminance (lux)

Remote footpath 25 (P4)

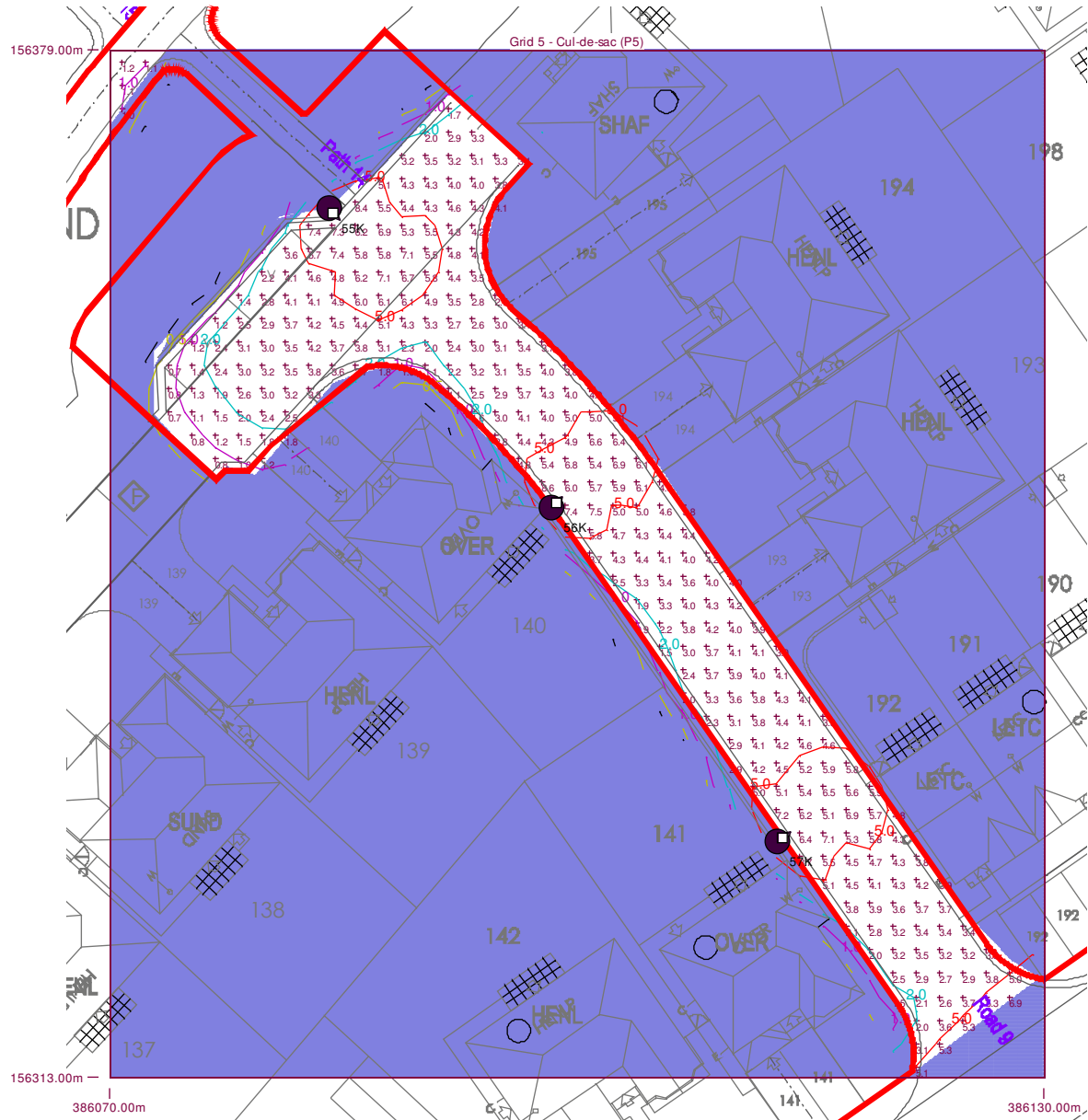


Results

Eav	6.56
Emin	1.54
Emax	14.94
Emin/Emax	0.10
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 5 - Cul-de-sac (P5)

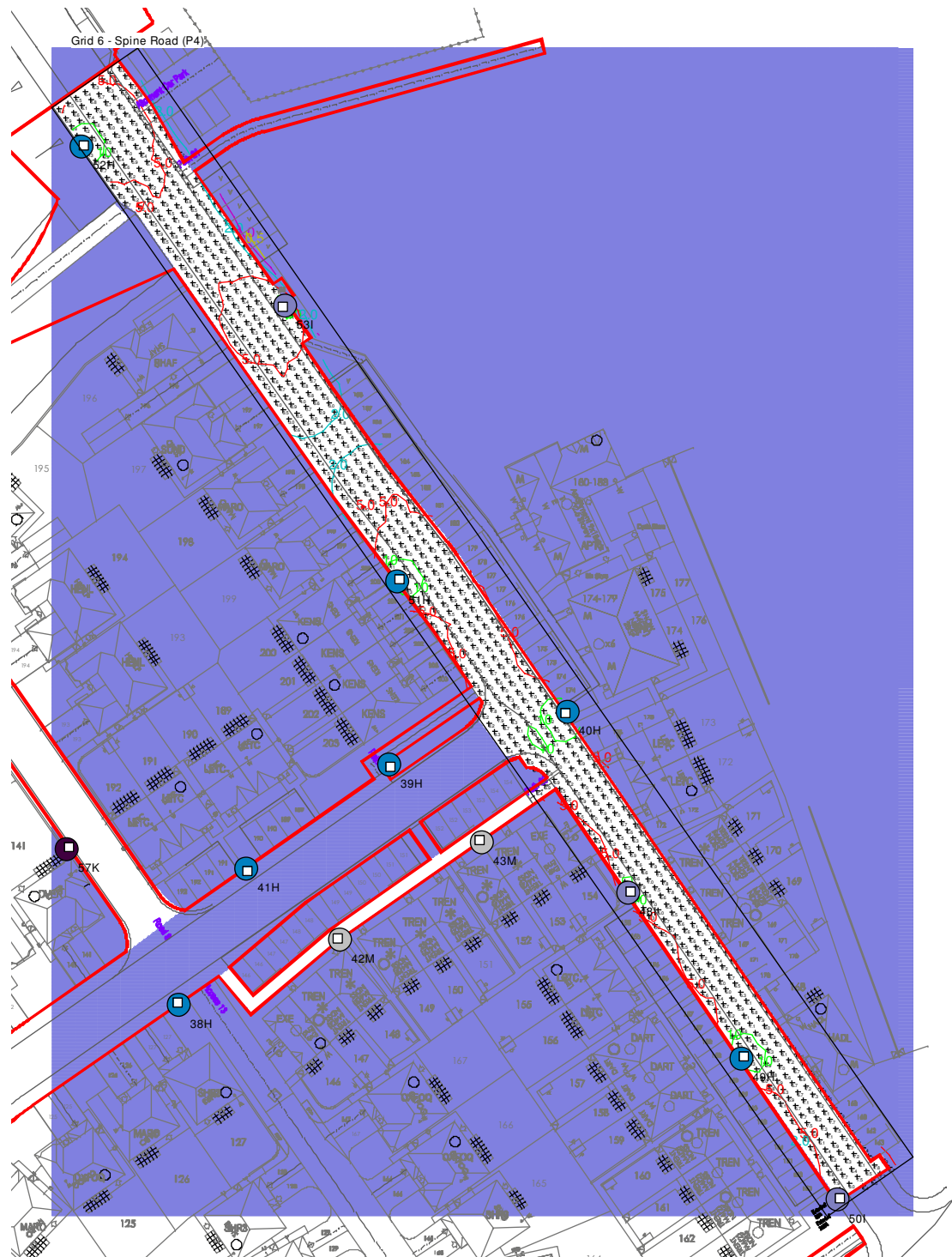


Results

Eav	3.91
Emin	0.73
Emax	8.73
Emin/Emax	0.08
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 6 - Spine Road (P4)

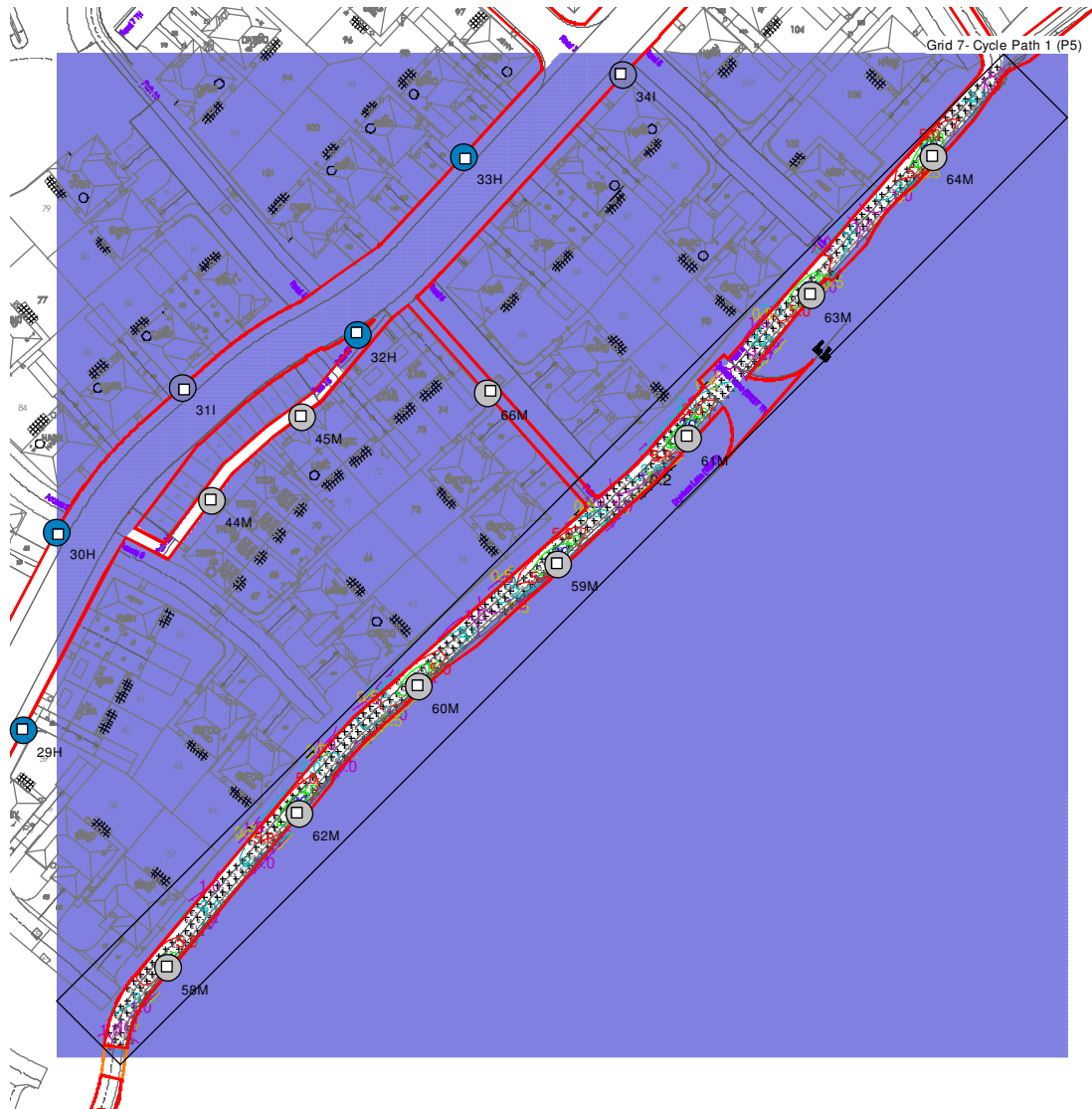


Results

Eav	6.10
Emin	1.39
Emax	13.79
Emin/Emax	0.10
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 7- Cycle Path 1 (P5)

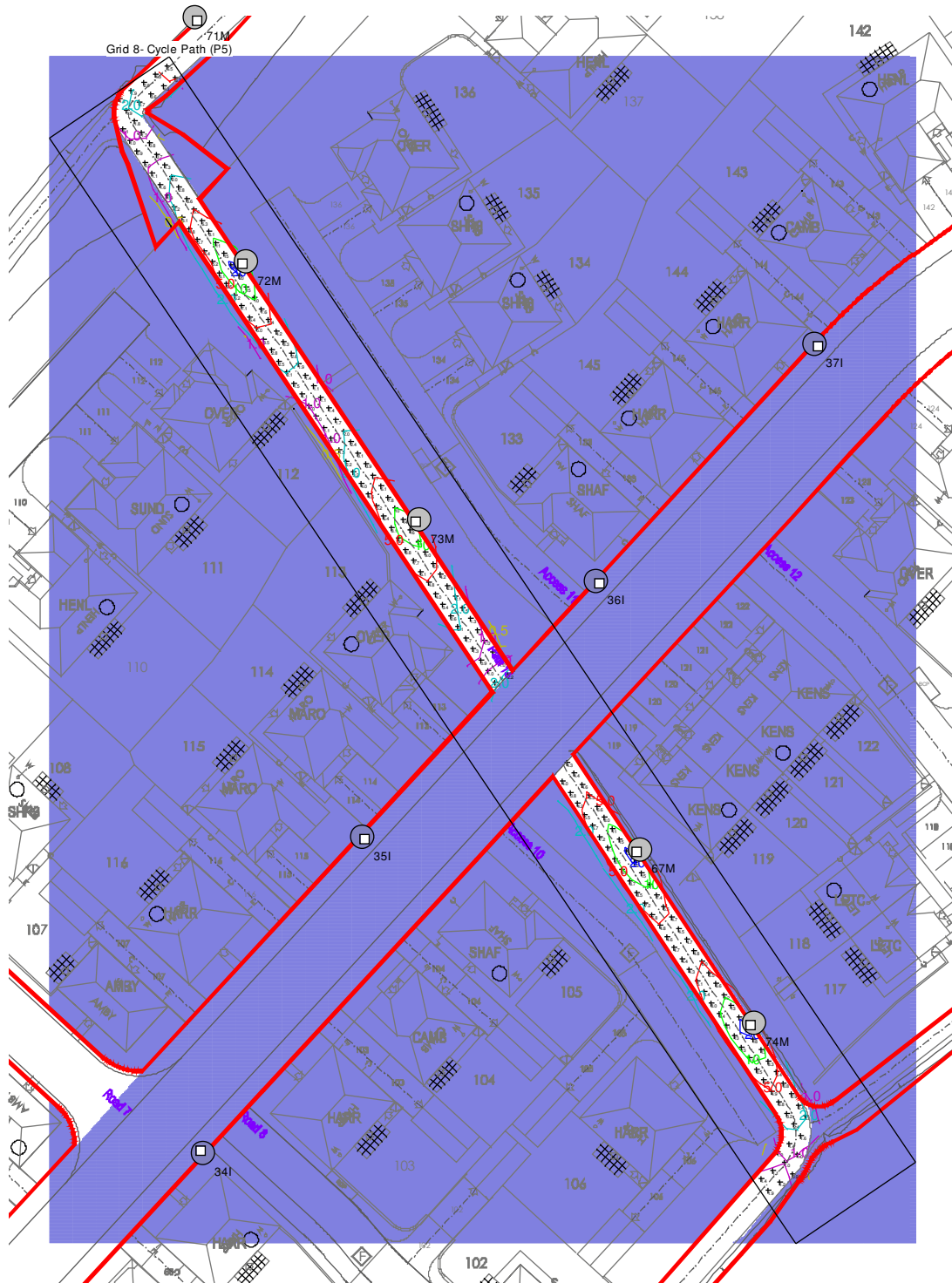


Results

Eav	4.97
Emin	0.69
Emax	25.78
Emin/Emax	0.03
Emin/Eav	0.14

Horizontal Illuminance (lux)

Grid 8- Cycle Path (P5)



Results

Eav	5.44
Emin	0.72
Emax	26.93
Emin/Emax	0.03
Emin/Eav	0.13

Horizontal Illuminance (lux)

Grid 9 - Cycle Path (P5)

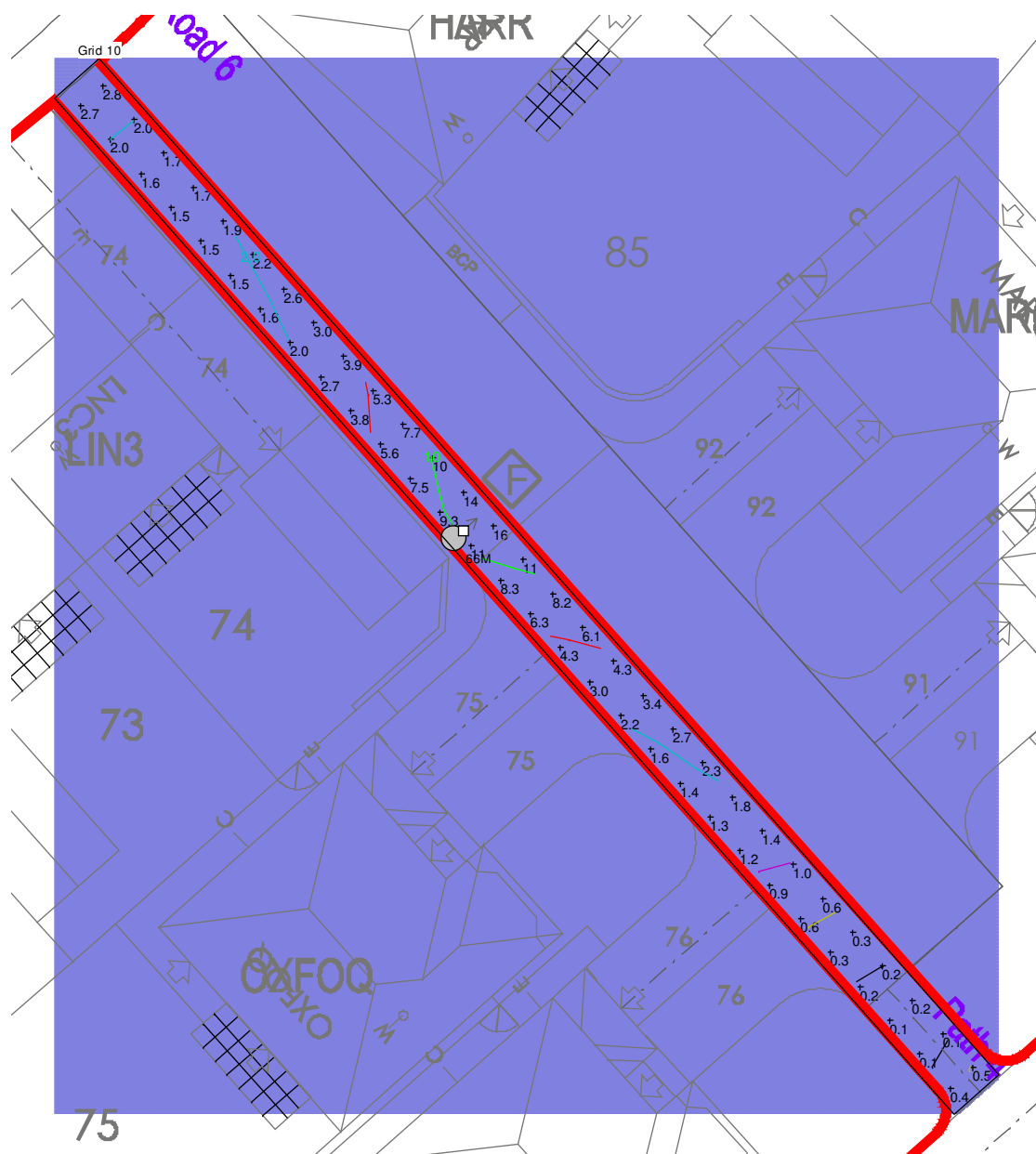


Results

Eav	5.46
Emin	0.74
Emax	24.49
Emin/Emax	0.03
Emin/Eav	0.13

Horizontal Illuminance (lux)

Grid 10

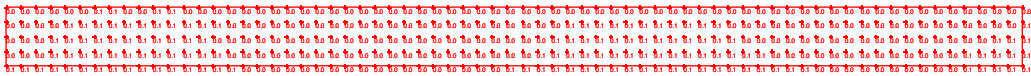


Results

Eav	3.43
Emin	0.10
Emax	15.90
Emin/Emax	0.01
Emin/Eav	0.03

Illuminance (lux)

Grid 12

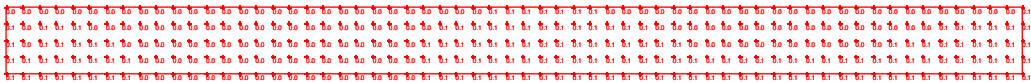


Results

Eav	0.05
Emin	0.02
Emax	0.09
Emin/Emax	0.26
Emin/Eav	0.51

Illuminance (lux)

Grid 13 - Vertical



Results

Eav	0.05
Emin	0.03
Emax	0.09
Emin/Emax	0.26
Emin/Eav	0.49

Illuminance (lux)

Grid 14 - Vertical

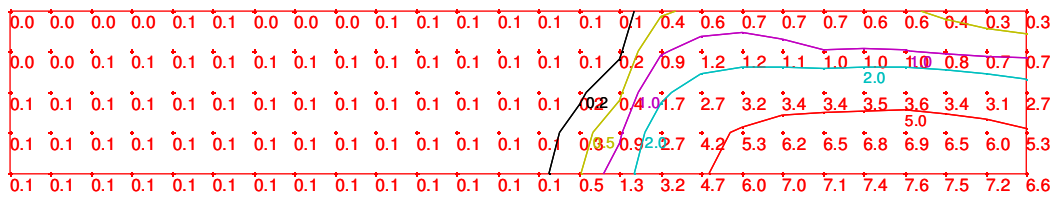


Results

Eav	0.04
Emin	0.02
E _{max}	0.09
E _{min} /E _{max}	0.18
E _{min} /E _{av}	0.38

Illuminance (lux)

Grid 15 - Vertical

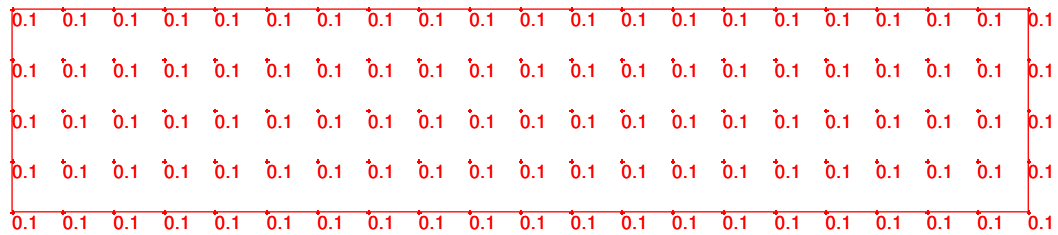


Results

Eav	1.35
Emin	0.04
Emax	7.58
Emin/Emax	0.01
Emin/Eav	0.03

Illuminance (lux)

Grid 16 - Vertical



Results

Eav	0.09
Emin	0.06
E _{max}	0.12
Emin/E _{max}	0.50
Emin/Eav	0.67

Illuminance (lux)

Grid 17 - Vertical



Results

Eav	0.05
Emin	0.02
Emax	0.12
Emin/Emax	0.20
Emin/Eav	0.52