

DATE: 9 June 2026
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA20388
PROJECT NAME: Melksham Road, Holt



Proposed S38 Lighting Design - R1

5m Wiltshire CC Specification Columns with Urbis Axia 3.1 3000K
LED Luminaires

BS5489-1:2020
Lighting Class: P5
Eav 3.00 - 4.50 Lux
Emin 0.60 Lux

Base drawing number used in this calculation 'P26-
1118_DE_01F_01 - Site Layout'

Outdoor Lighting Report

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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	386865.83	162371.18	96.00	27.00	1.50	1.50
2	Grid 2	386960.32	162397.16	104.83	27.00	1.50	1.50
3	Grid 3	386991.19	162508.08	48.00	21.00	1.50	1.50
4	Grid 4	387028.21	162447.97	42.00	21.00	1.50	1.50
5	Grid 5	386943.80	162478.16	54.00	27.00	1.50	1.50
6	Grid 6	386964.76	162402.68	52.56	27.00	1.50	1.50
7	Grid 7	386909.29	162463.13	60.00	27.00	1.50	1.50
8	Grid 8	386914.54	162379.94	76.52	27.00	1.50	1.50
9	Grid 9	386878.84	162352.66	44.86	39.00	1.50	1.50
10	Grid 10	386910.65	162324.00	21.00	75.00	1.50	1.50
11	Grid 11	386961.88	162321.16	24.00	93.00	1.50	1.50
12	Grid 12	387014.52	162390.82	24.00	42.00	1.50	1.50
13	Contour Grid	386859.25	162297.75	213.21	225.24	1.50	1.50

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3.1 C2.1 - 3K 8 OSLOM SQUARE GIA NT 540mA WW Integrated I
Lamp(s)	8 OSLOM SQUARE GIANT 540mA WW 3000K
Lamp Flux (klm)	2.10
File Name	AXIA 3.1 C2.1-3K 8 OSLOM SQUARE GIANT 540mA WW 3000K Integrated lenses - 2...
Maintenance Factor	0.87
Lum. Int. Class	G3
No. in Project	13

Luminaire B Data

Supplier	
Type	AXIA 3.1 B1.1 - 3K 8 OSLOM SQUARE GIA NT 270mA WW Integrated I
Lamp(s)	8 OSLOM SQUARE GIANT 270mA WW 3000K
Lamp Flux (klm)	1.13
File Name	AXIA 3.1 B1.1-3K 8 OSLOM SQUARE GIANT 270mA WW 3000K Integrated lenses - 2...
Maintenance Factor	0.87
Lum. Int. Class	G3
No. in Project	14

Layout

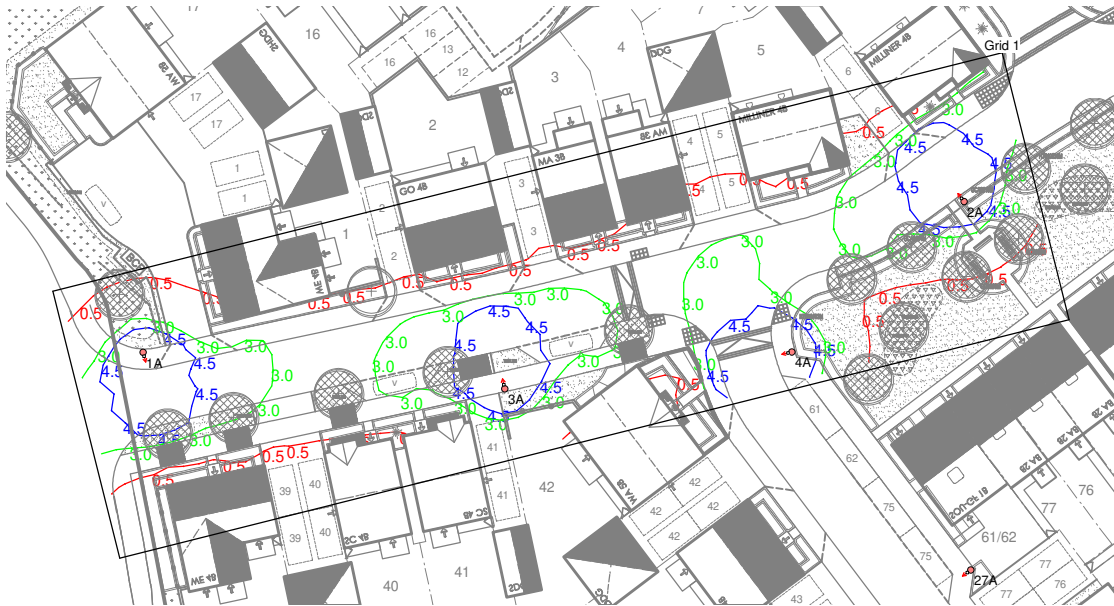
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	386868.11	162391.38	5.00	284.00	0.00	0.00	0.40			
2	A	386948.63	162406.16	5.00	127.00	0.00	0.00	0.40			
3	A	386903.57	162387.79	5.00	102.00	0.00	0.00	0.40			
4	A	386931.76	162391.41	5.00	194.00	0.00	0.00	0.40			
5	B	387043.66	162403.09	5.00	145.00	0.00	0.00	0.40			
6	B	387028.88	162379.33	5.00	144.00	0.00	0.00	0.40			
7	B	387003.44	162356.49	5.00	327.00	0.00	0.00	0.40			
8	B	386974.95	162313.44	5.00	123.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
9	B	386947.25	162305.40	5.00	85.00	0.00	0.00	0.40			
10	A	387004.54	162380.09	5.00	218.00	0.00	0.00	0.40			
11	A	386916.59	162316.01	5.00	265.00	0.00	0.00	0.40			
12	B	386906.62	162332.29	5.00	175.00	0.00	0.00	0.40			
13	B	386884.76	162328.13	5.00	85.00	0.00	0.00	0.40			
14	A	386960.26	162337.36	5.00	37.00	0.00	0.00	0.40			
15	A	386945.80	162428.17	5.00	37.00	0.00	0.00	0.40			
16	B	386930.58	162463.98	5.00	218.00	0.00	0.00	0.40			
17	B	386978.81	162456.44	5.00	37.00	0.00	0.00	0.40			
18	B	386966.81	162484.66	5.00	218.00	0.00	0.00	0.40			
19	A	387035.09	162461.72	5.00	225.00	0.00	0.00	0.40			
20	B	387052.78	162437.22	5.00	222.00	0.00	0.00	0.40			
21	B	387021.70	162483.80	5.00	221.00	0.00	0.00	0.40			
22	B	387009.57	162505.87	5.00	207.00	0.00	0.00	0.40			
23	A	387004.61	162453.24	5.00	306.00	0.00	0.00	0.40			
24	A	386984.87	162406.20	5.00	218.00	0.00	0.00	0.40			
25	A	386977.03	162432.86	5.00	305.00	0.00	0.00	0.40			
26	B	386994.94	162331.95	5.00	127.00	0.00	0.00	0.40			
27	A	386949.29	162370.02	5.00	216.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.59
Emin	0.73
Emax	9.87
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2

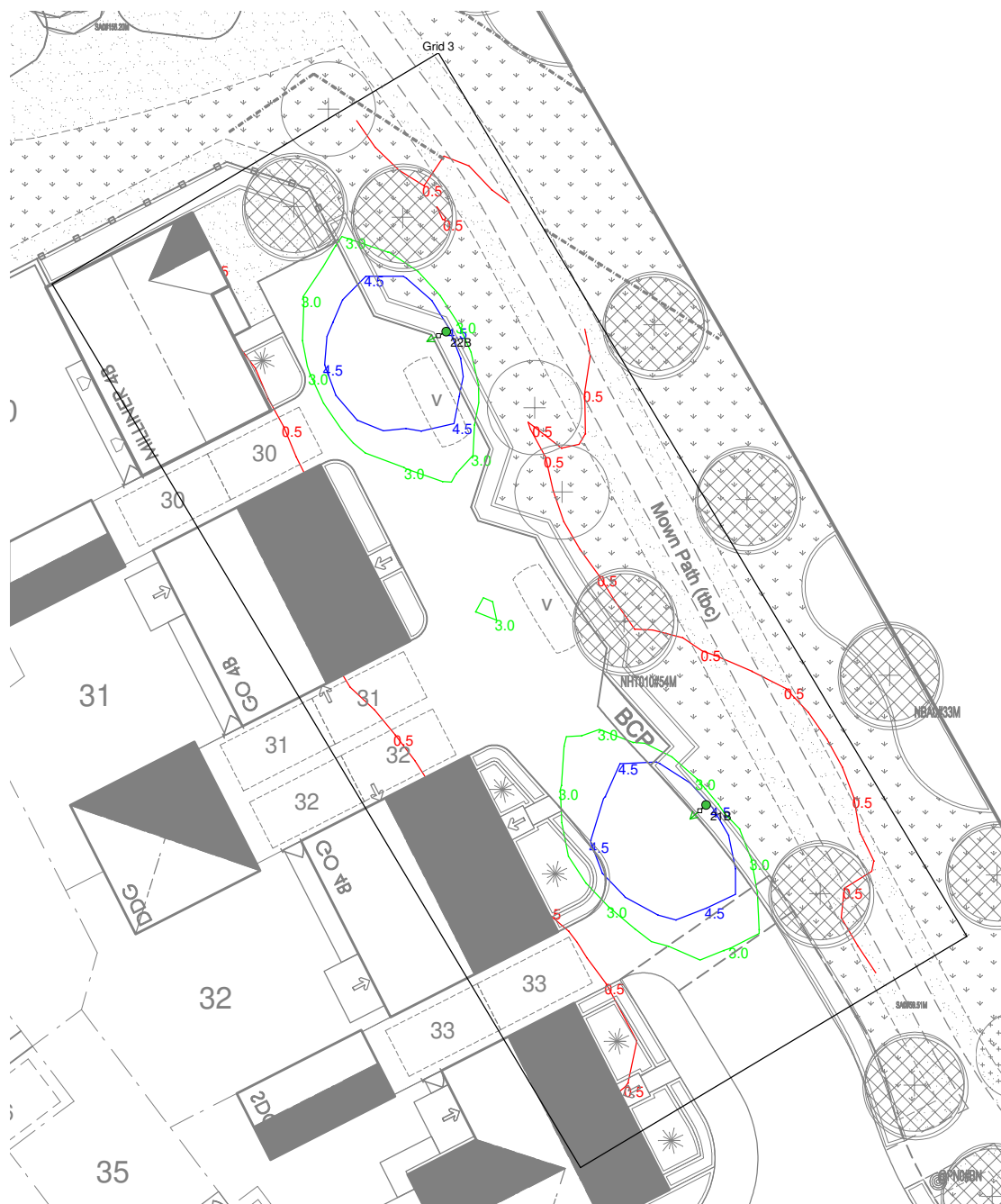


Results

Eav	3.13
Emin	0.62
E _{max}	9.79
Emin/E _{max}	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3

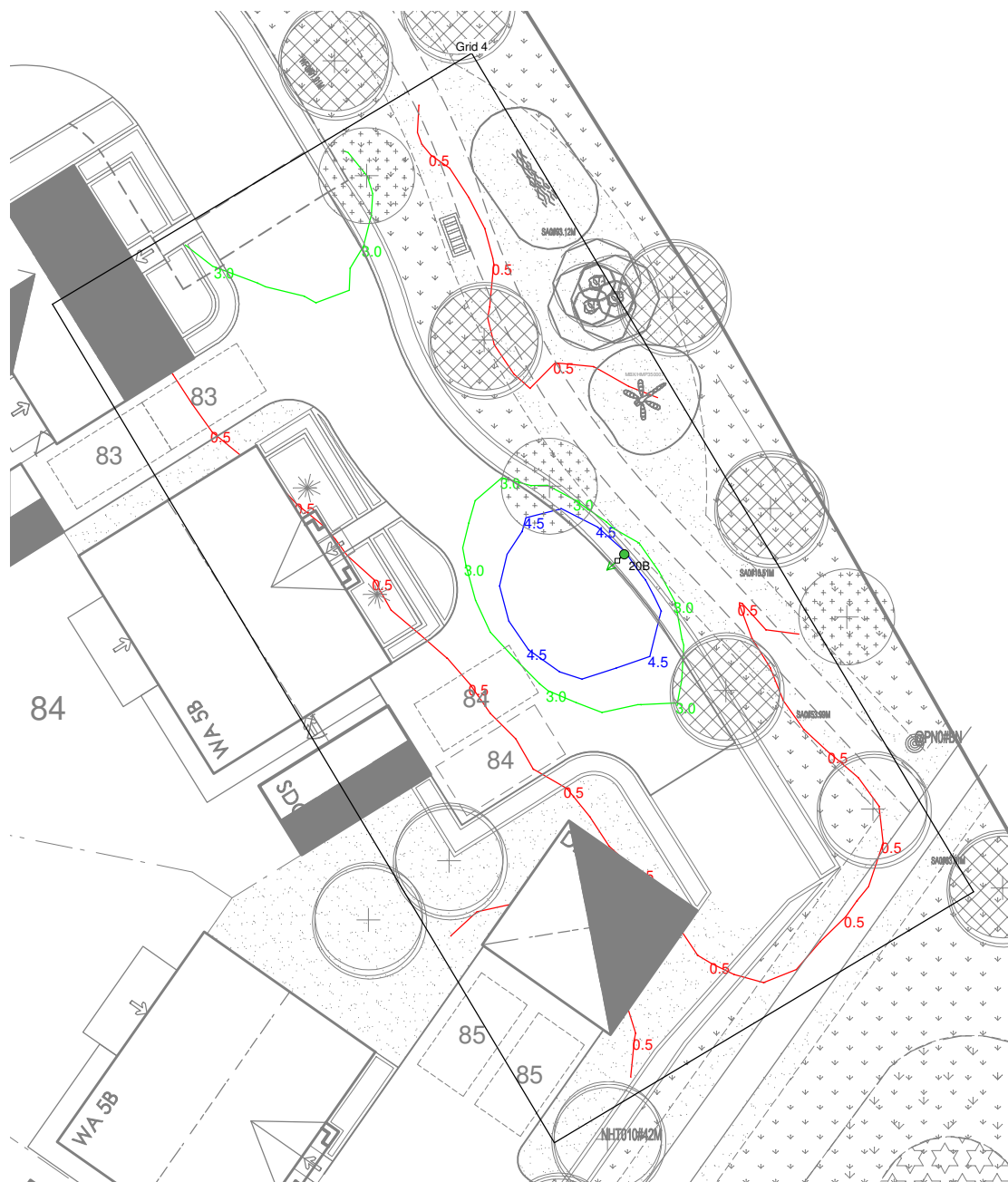


Results

Eav	3.65
Emin	0.82
Emax	12.10
Emin/Emax	0.07
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 4

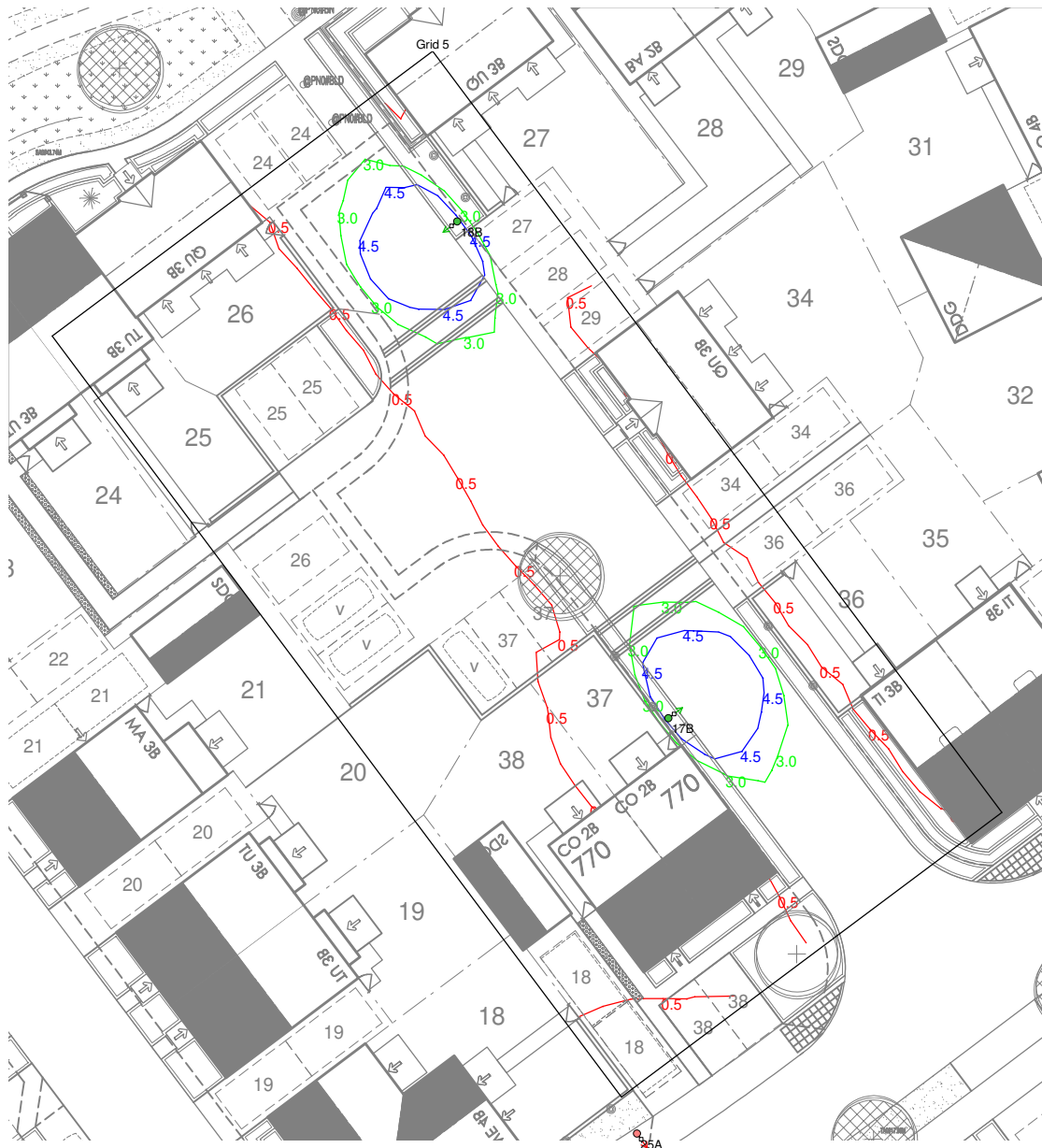


Results

Eav	3.82
Emin	1.78
Emax	10.22
Emin/Emax	0.17
Emin/Eav	0.47

Horizontal Illuminance (lux)

Grid 5

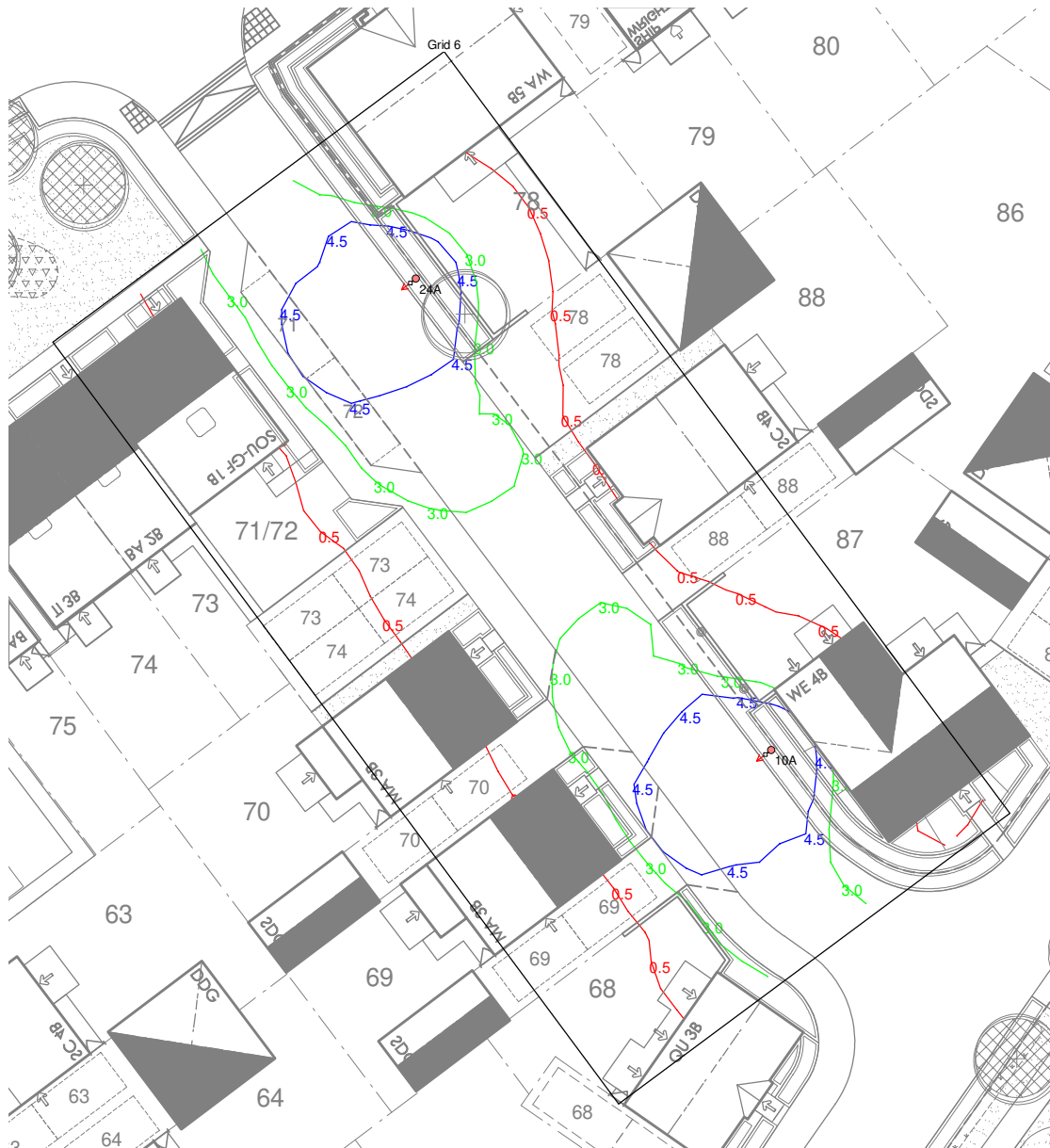


Results

Eav	3.15
Emin	1.17
Emax	11.56
Emin/Emax	0.10
Emin/Eav	0.37

Horizontal Illuminance (lux)

Grid 6

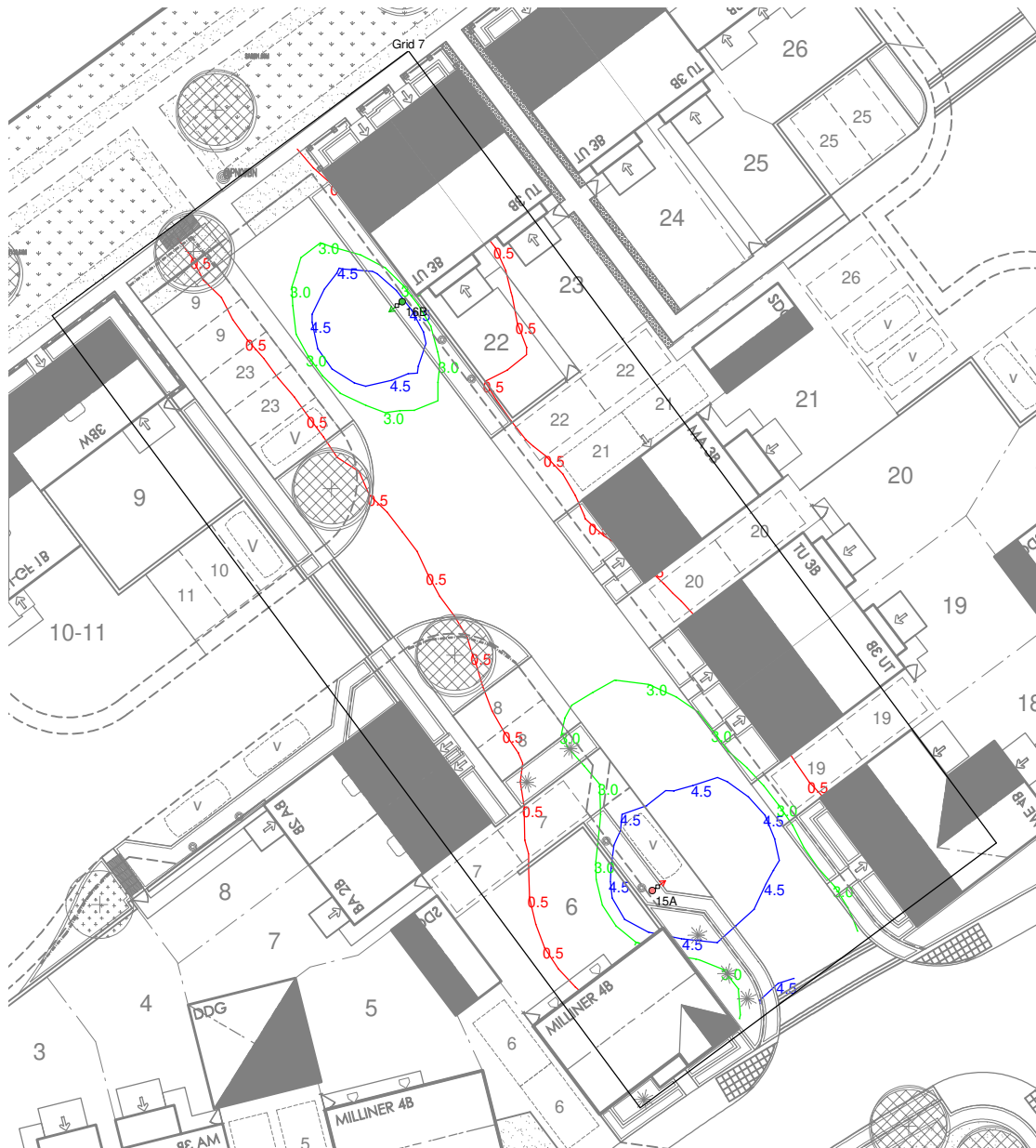


Results

Eav	4.06
Emin	0.94
Emax	9.86
Emin/Emax	0.10
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 7

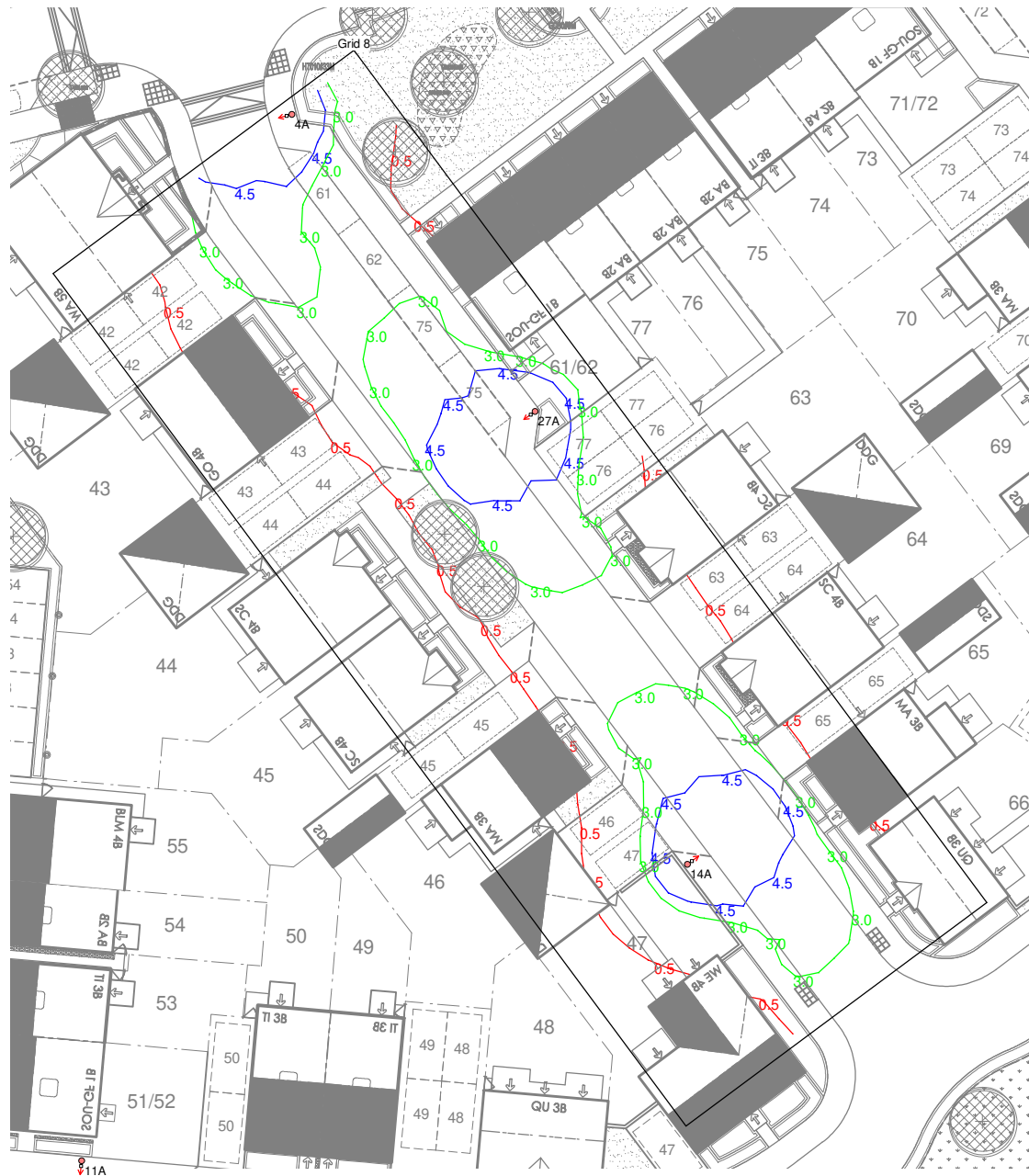


Results

Eav	3.41
Emin	0.68
Emax	10.88
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 8



Results

Eav	3.55
Emin	0.71
Emax	9.87
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 9

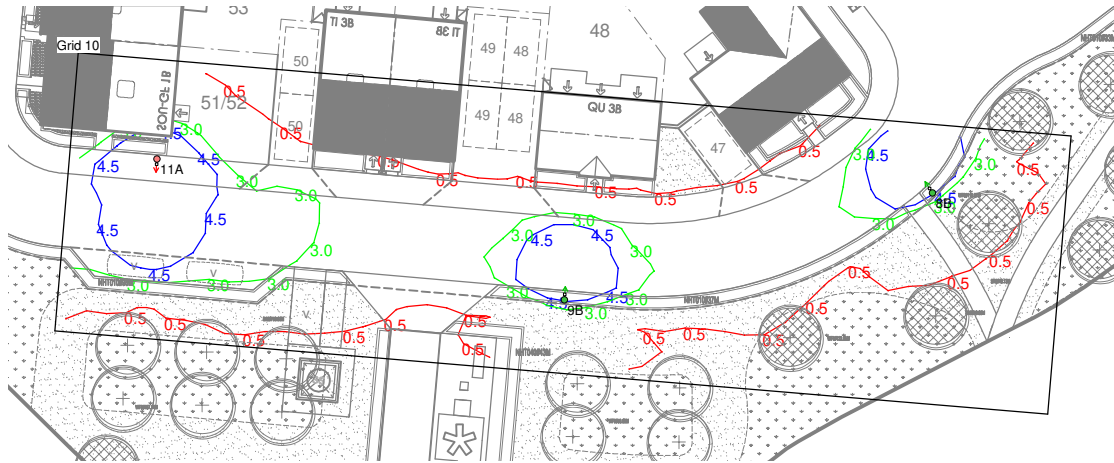


Results

Eav	3.20
Emin	0.77
Emax	11.15
Emin/Emax	0.07
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 10

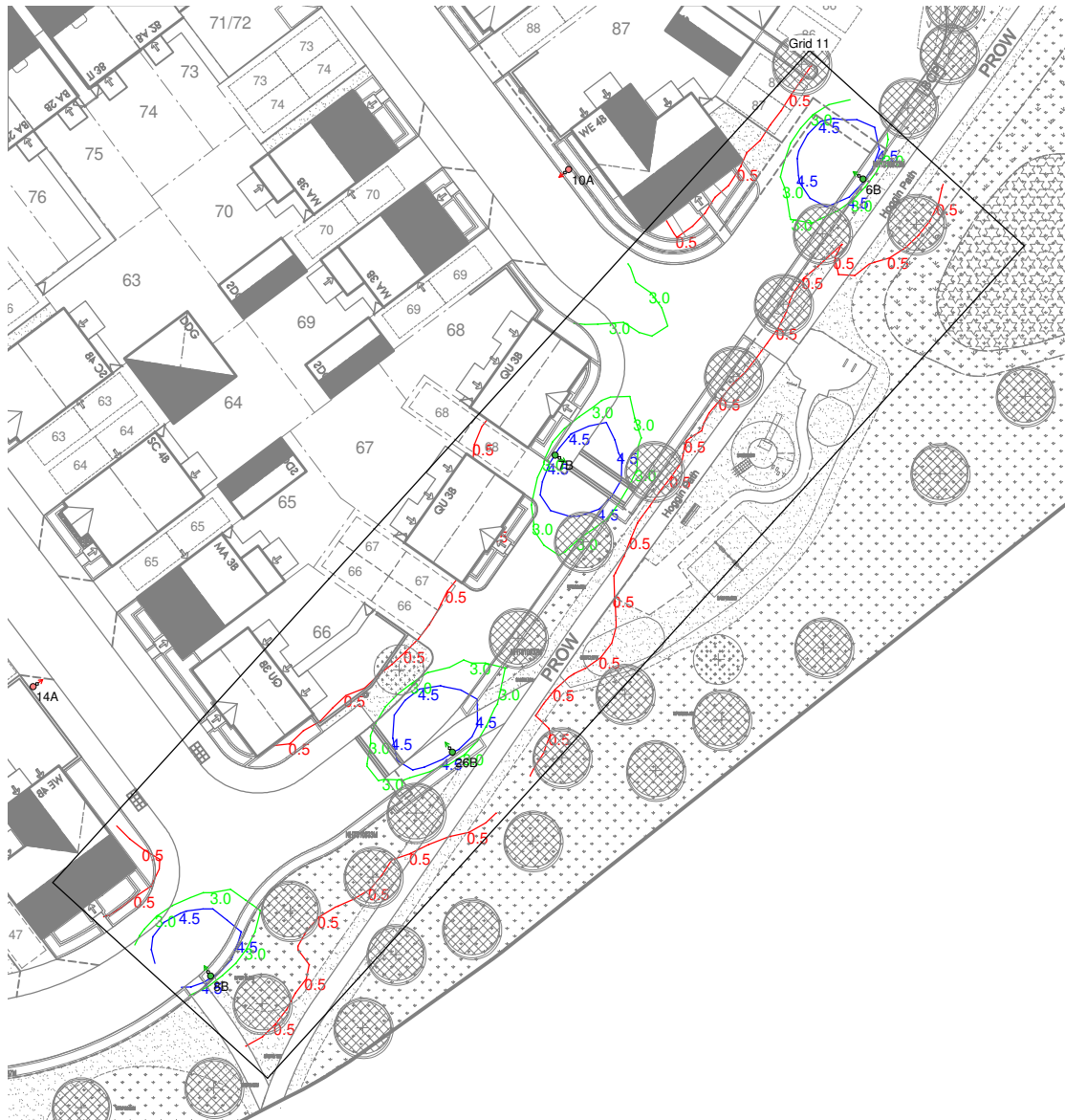


Results

Eav	3.48
Emin	0.68
Emax	10.46
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 11

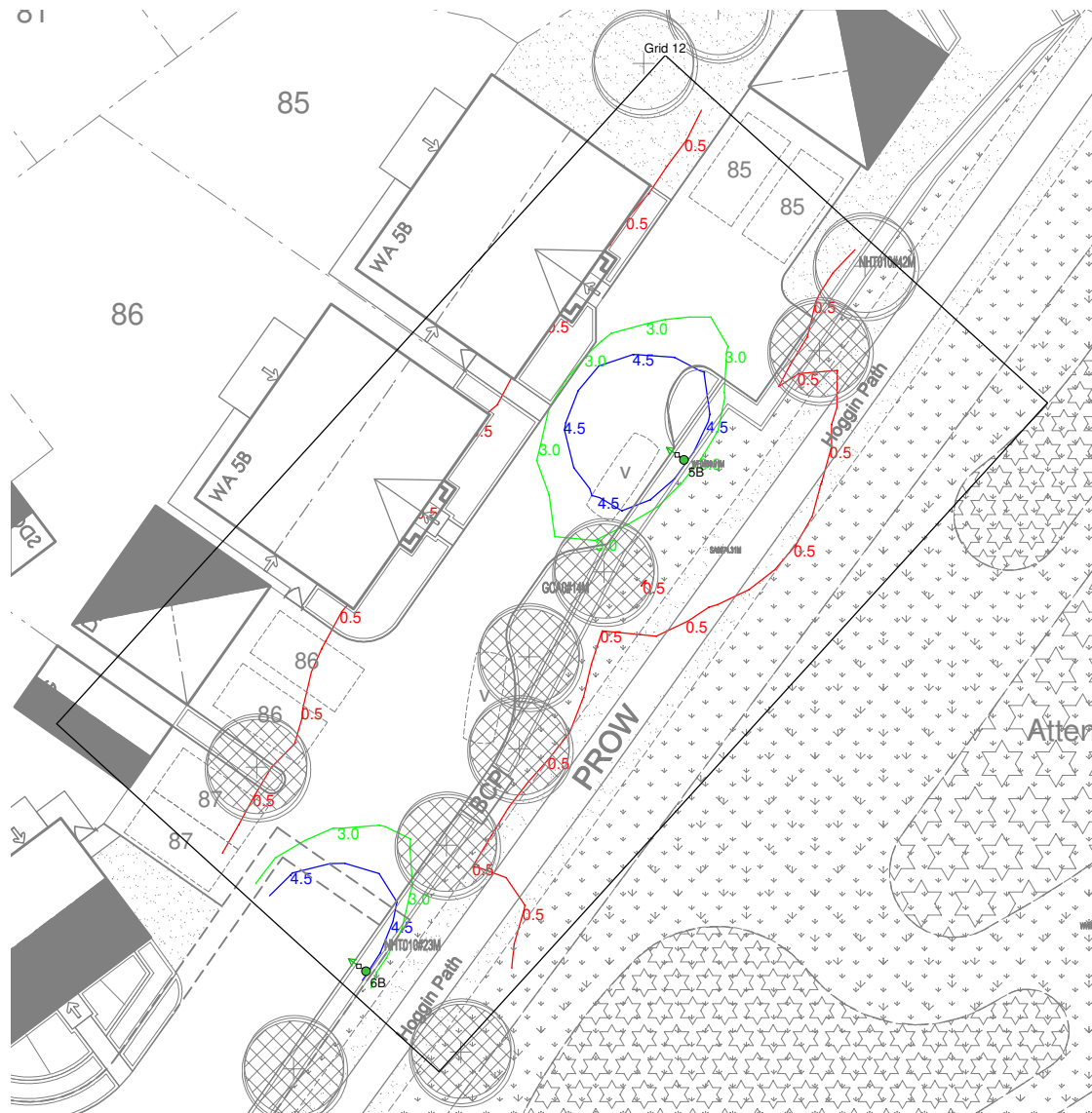


Results

Eav	3.07
Emin	0.62
E _{max}	11.84
Emin/E _{max}	0.05
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 12



Results

Eav	3.45
Emin	0.71
Emax	11.16
Emin/Emax	0.06
Emin/Eav	0.21