

DATE: 26 November 2025
DESIGNER: M Groves AMILP EngTech
PROJECT No: 20033126
PROJECT NAME: EVO20033126-AC-010

ENERVEO

Imberhorne Farm, East Grinstead

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 - Road 01 - P4	537350.23	138481.04	125.96	44.39	1.50	1.48
2	Grid 2 - Road 02 - P4	537396.98	138529.36	86.97	35.36	1.50	1.47
3	Grid 3 - Road 03 - P4	537440.98	138598.52	61.90	40.91	1.47	1.46
4	Grid 4 - Road 03 - P4	537395.80	138562.55	42.95	81.35	1.48	1.48
5	Grid 5 - Road 03 - P4	537369.37	138494.80	45.00	81.35	1.50	1.48
6	Grid 6 - Road 04 - P4	537353.92	138569.26	64.06	34.47	1.49	1.50
7	Grid 7- Road 05 - P4	537412.09	138651.25	41.12	62.98	1.47	1.50
8	Grid 8 - Road 05 - P4	537380.13	138627.48	69.05	31.20	1.47	1.49
9	Grid 9 - Road 05 - P4	537339.12	138557.55	33.55	105.64	1.46	1.49
10	Grid 10 - Road - 06 - P4	537471.29	138681.04	50.49	71.78	1.48	1.50

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3.1 5266 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@500mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	2.59 WW 2700K/70
File Name	AXIA 3.1 5266 16 OSLO SQUARE GIANT Drv 500mA WW 727 25.7W 457662 Integra...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1216.3, 169.4, 0.0
No. in Project	21

Luminaire B Data

Supplier	
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@600mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	2.73 WW 2700K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT Drv 600mA WW 727 31W 457672 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	1

Layout

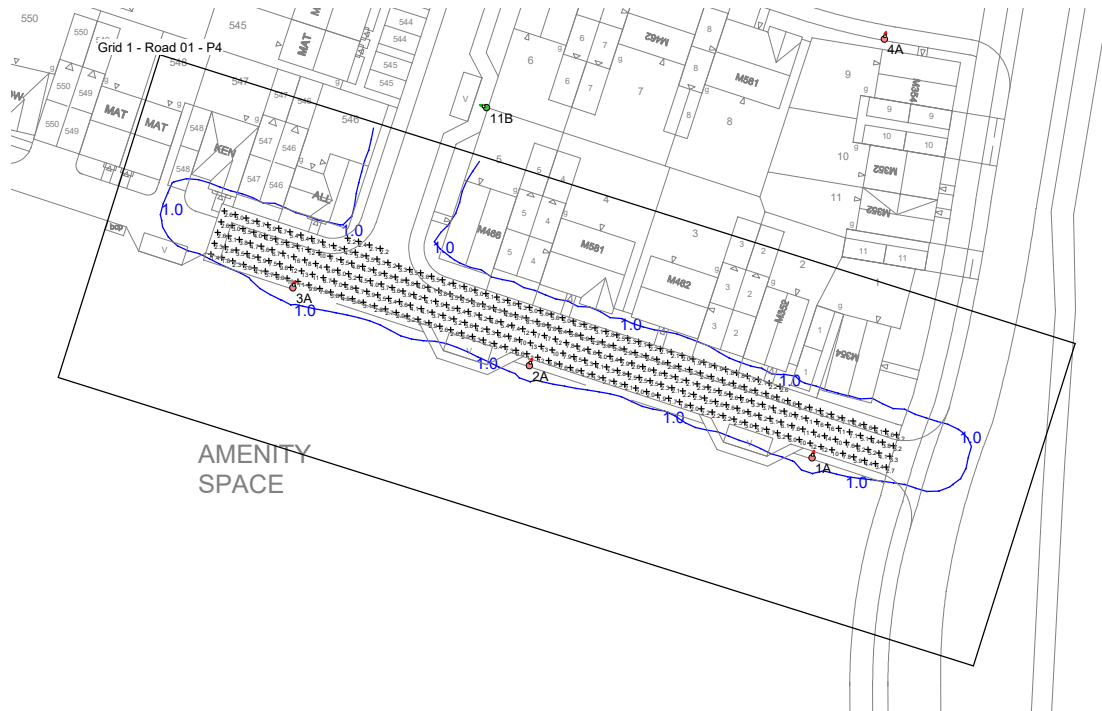
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	537449.17	138470.47	6.00	74.00	0.00	0.00	0.40	70%			
2	A	537412.09	138482.59	6.00	72.00	0.00	0.00	0.40	70%			
3	A	537381.02	138492.79	6.00	70.00	0.00	0.00	0.40	70%			
4	A	537458.65	138525.44	6.00	78.00	0.00	0.00	0.40	75%			
5	A	537427.80	138534.63	6.00	72.00	0.00	0.00	0.40	75%			
6	A	537473.46	138616.14	6.00	259.00	0.00	0.00	0.40	100%			
7	A	537435.24	138622.45	6.00	260.00	0.00	0.00	0.40	85%			
8	A	537430.30	138606.30	6.00	169.00	0.00	0.00	0.40	85%			
9	A	537425.02	138574.90	6.00	171.00	0.00	0.00	0.40	85%			
10	A	537408.88	138550.96	6.00	325.00	0.00	0.00	0.40	100%			
11	B	537406.45	138516.46	6.00	160.00	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
12	A	537405.91	138582.67	6.00	261.00	0.00	0.00	0.40	60%			
13	A	537371.59	138580.79	6.00	81.00	0.00	0.00	0.40	60%			
14	A	537434.31	138682.73	6.00	350.00	0.00	0.00	0.40	85%			
15	A	537436.91	138645.83	6.00	171.00	0.00	0.00	0.40	85%			
16	A	537419.90	138641.98	6.00	260.00	0.00	0.00	0.40	60%			
17	A	537389.51	138639.50	6.00	81.00	0.00	0.00	0.40	60%			
18	A	537362.48	138626.57	6.00	350.00	0.00	0.00	0.40	80%			
19	A	537491.43	138703.68	6.00	302.00	0.00	0.00	0.40	60%			
20	A	537355.80	138587.00	6.00	351.00	0.00	0.00	0.40	80%			
21	A	537511.99	138724.36	6.00	180.00	0.00	0.00	0.40	60%			
22	A	537493.11	138721.58	6.00	92.00	0.00	0.00	0.40	60%			

Horizontal Illuminance (lux)

Grid 1 - Road 01 - P4



Results

Eav	5.04
Emin	1.40
Emax	18.22
Emin/Emax	0.08
Emin/Eav	0.28

Horizontal Illuminance (lux)

Grid 2 - Road 02 - P4

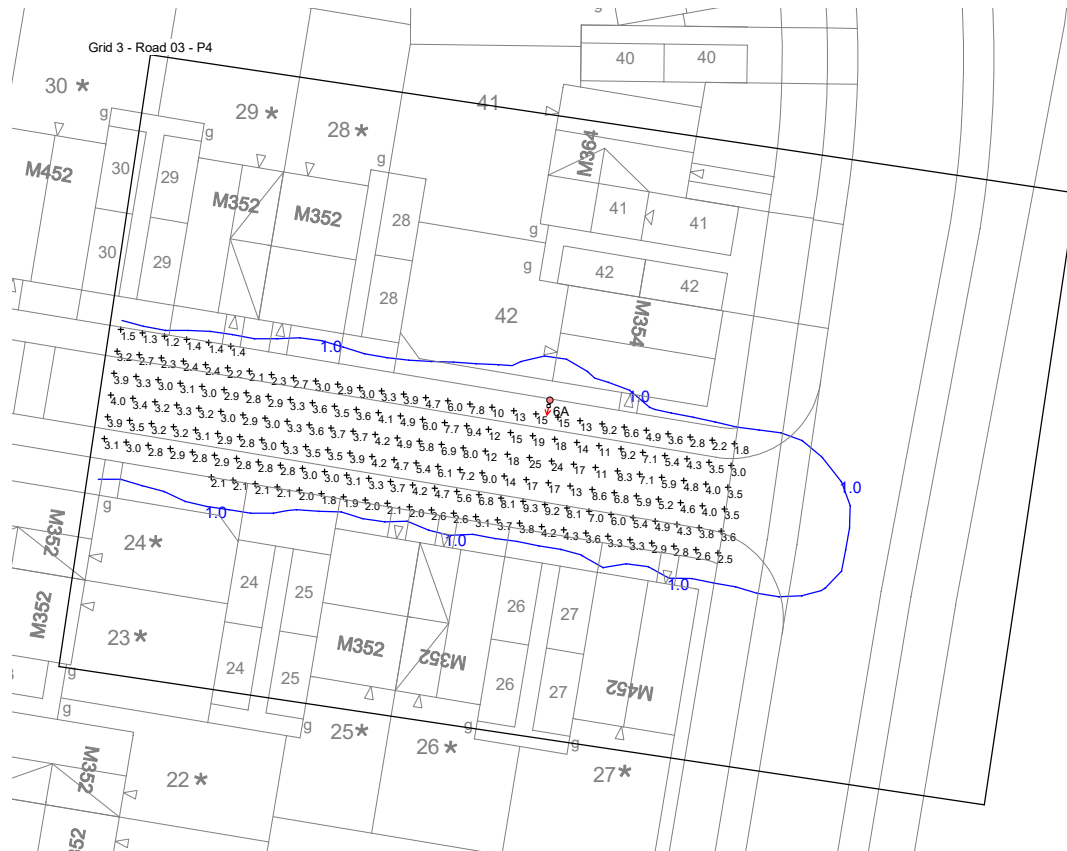


Results

Eav	5.33
Emin	1.10
Emax	18.82
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 3 - Road 03 - P4

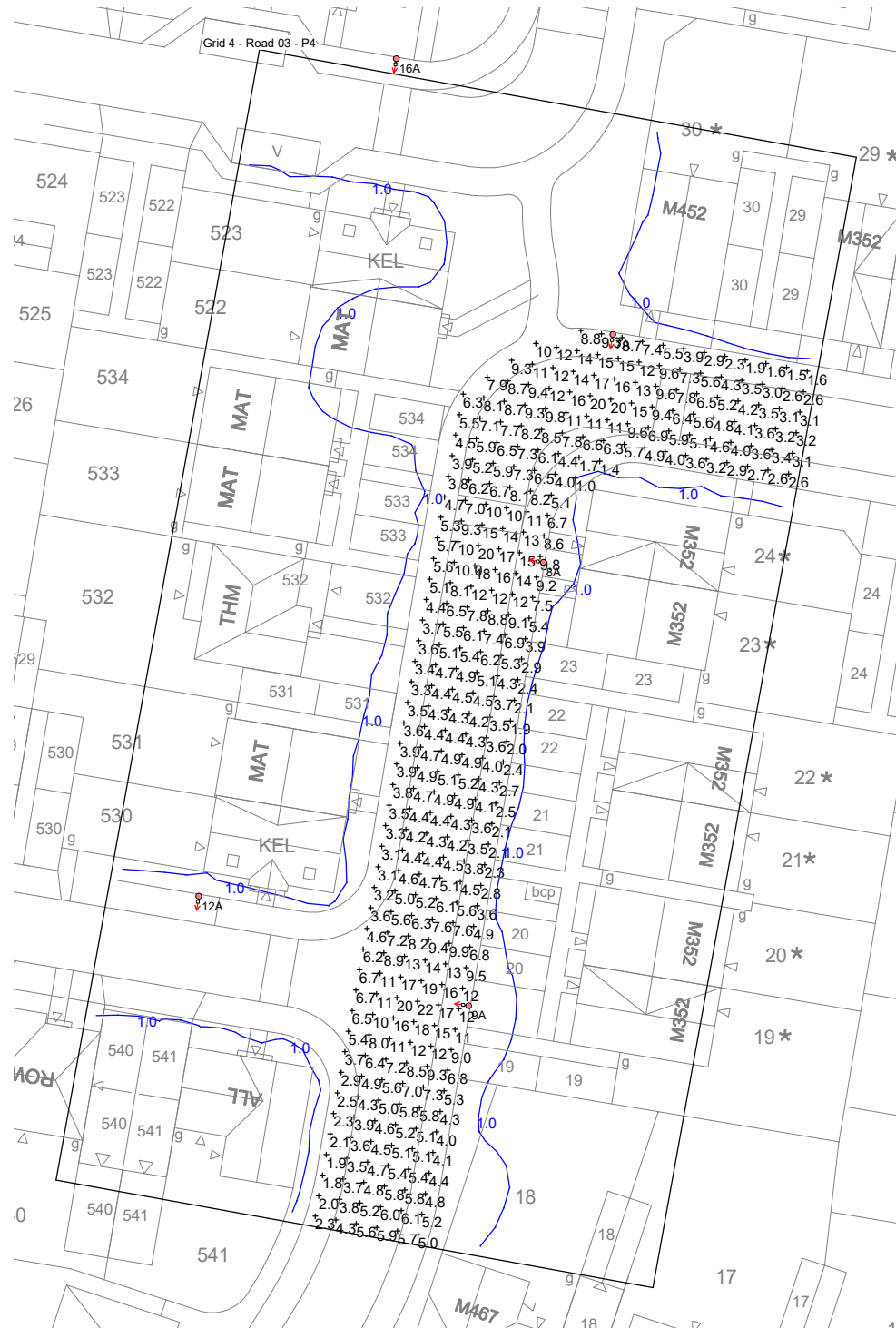


Results

Eav	5.36
Emin	1.24
Emax	24.62
Emin/Emax	0.05
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 4 - Road 03 - P4



Results

Eav	6.71
Emin	1.00
Emax	21.70
Emin/Emax	0.05
Emin/Eav	0.15

Horizontal Illuminance (lux)

Grid 5 - Road 03 - P4

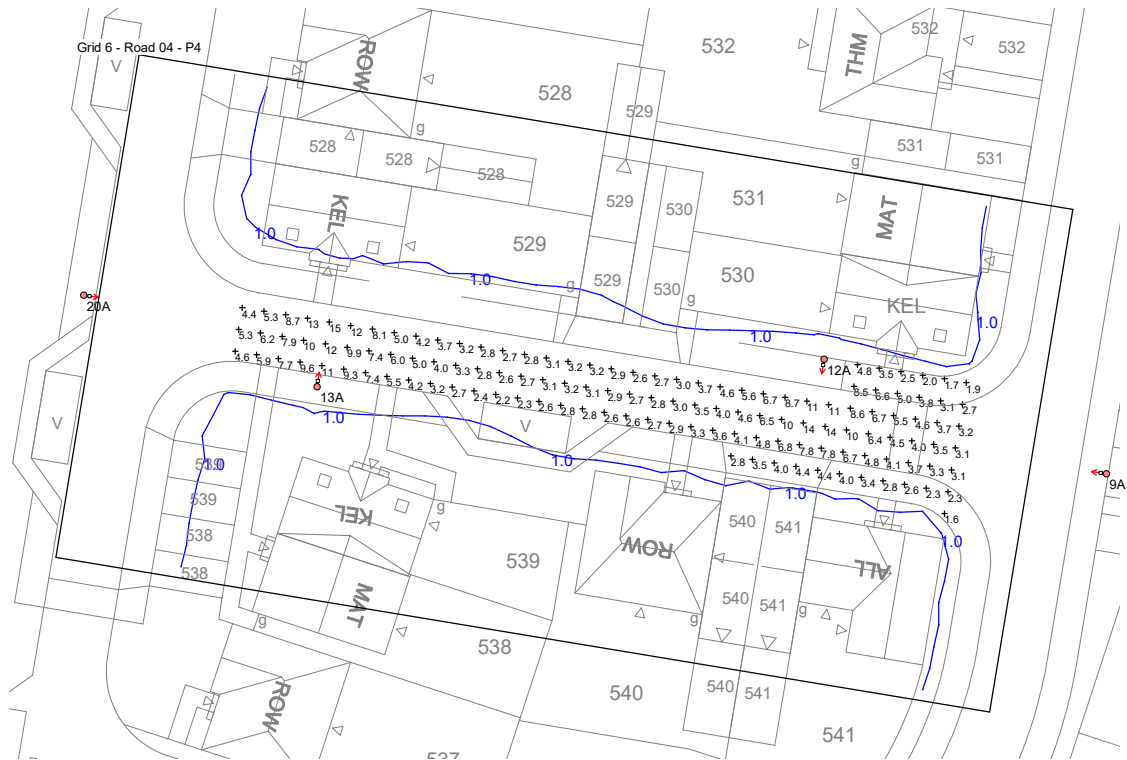


Results

Eav	5.79
Emin	1.26
Emax	24.25
Emin/Emax	0.05
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 6 - Road 04 - P4

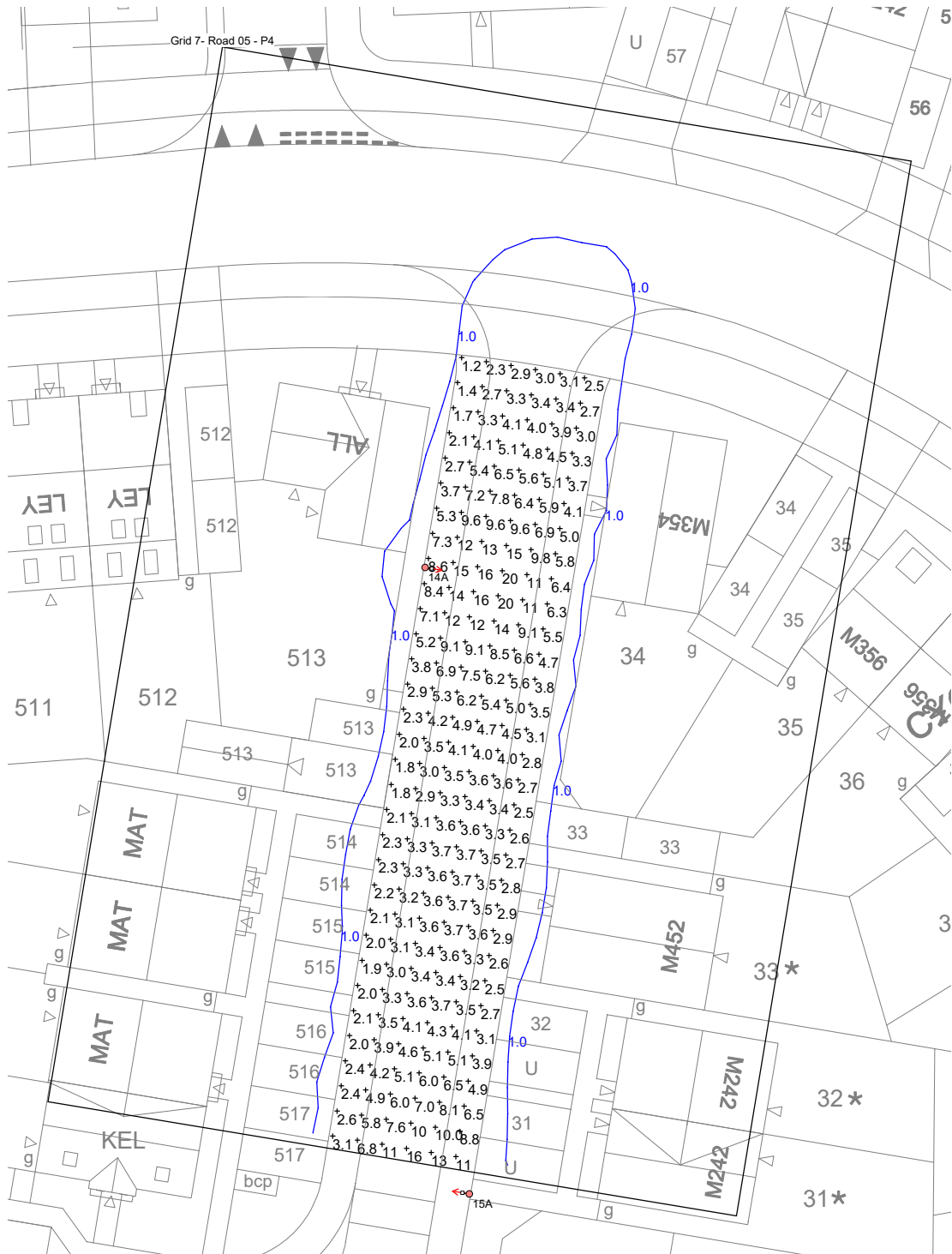


Results

Eav	5.05
Emin	1.61
E _{max}	15.35
Emin/E _{max}	0.11
Emin/Eav	0.32

Horizontal Illuminance (lux)

Grid 7- Road 05 - P4

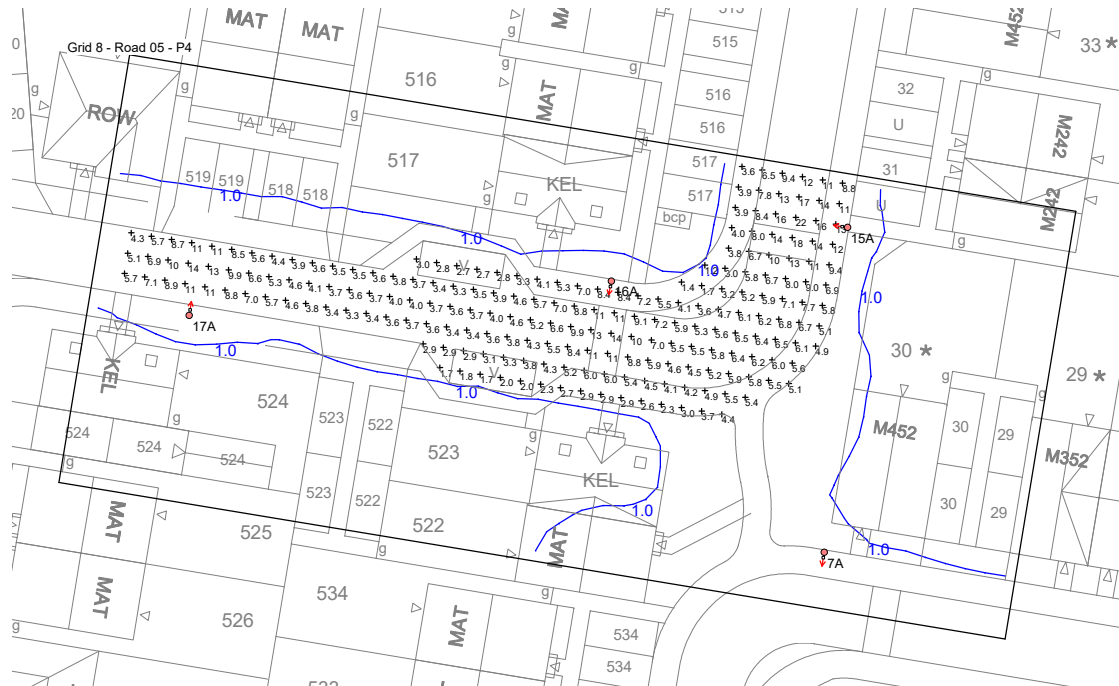


Results

Eav	5.26
Emin	1.21
Emax	20.46
Emin/Emax	0.06
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 8 - Road 05 - P4

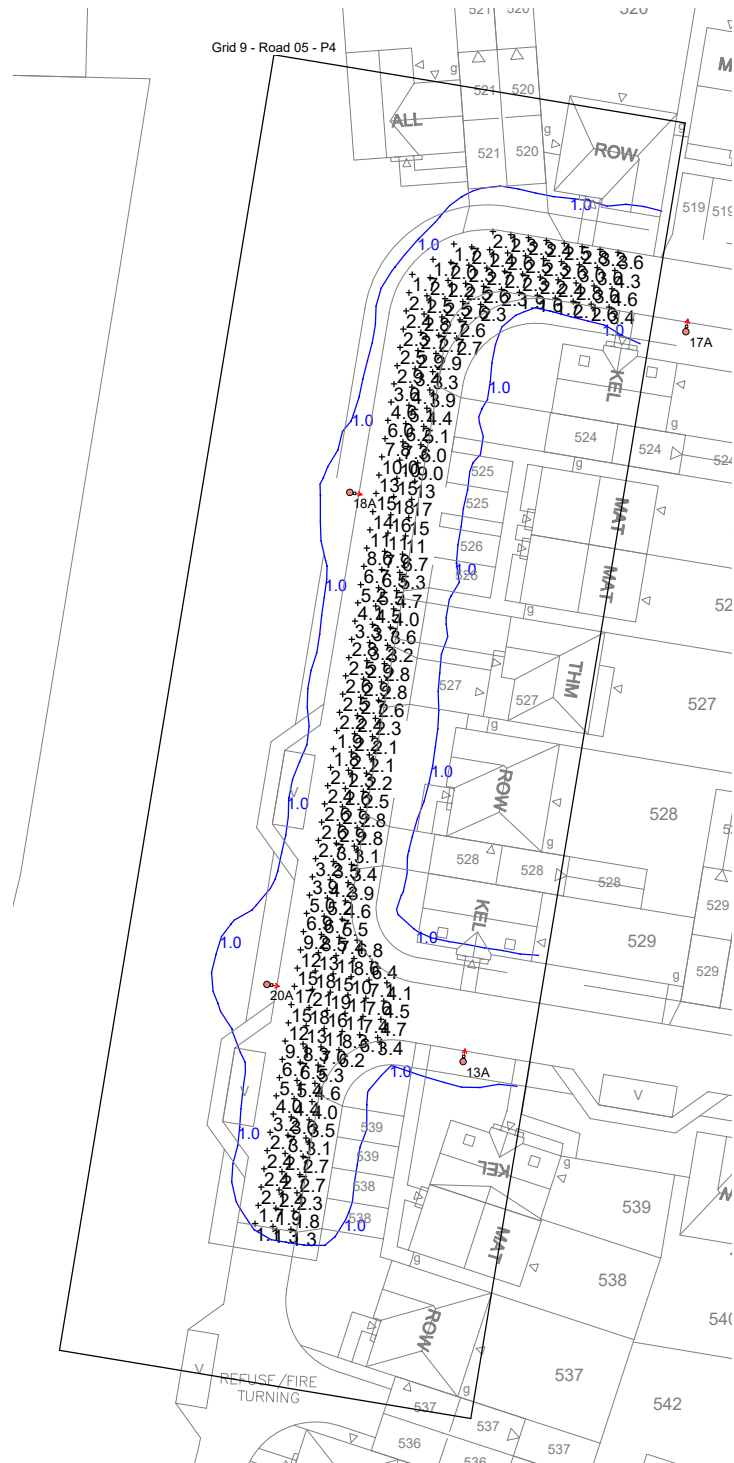


Results

Eav	6.26
Emin	1.16
Emax	21.77
Emin/Emax	0.05
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 9 - Road 05 - P4



Results

Eav	5.22
Emin	1.14
Emax	21.46
Emin/Emax	0.05
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 10 - Road - 06 - P4



Results

Eav	5.19
Emin	1.22
Emax	16.48
Emin/Emax	0.07
Emin/Eav	0.23