

DATE: 23 June 2025
DESIGNER: M Groves AMILP EngTech
PROJECT No: 20033901
PROJECT NAME: EVO20033901-AC-004-B

ENERVEO

All roads lit to BS5489-1:2020 lighting class P4.

Crawley Down Road, Felbridge - Phase 1

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...	536570.34	139423.83	54.55	95.21	1.47	1.49
2	Grid 2 - Road 01 - P4...	536618.18	139342.85	54.55	95.21	1.47	1.49
3	Grid 3 - Road 01 - P4...	536553.70	139287.34	89.46	52.91	1.49	1.47
4	Grid 4 - Road 01 - P4...	536494.83	139303.78	89.46	52.91	1.49	1.47
5	Grid 5 - Road 01 - P4...	536432.67	139267.40	89.46	48.46	1.49	1.47
6	Grid 6 - Road 01 - P4...	536468.56	139205.86	57.98	72.55	1.49	1.48
7	Grid 7 - Road 02 - P4...	536634.92	139291.91	67.51	95.21	1.50	1.49
8	Grid 8 - Road 03 - P4...	536575.10	139286.23	47.92	51.14	1.50	1.46
9	Grid 9 - Road 04 - P4...	536525.02	139246.28	47.07	97.98	1.47	1.48
10	Grid 10	536450.49	139290.10	1.14	5.00	0.05	0.20

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	9

Luminaire B Data

Supplier	
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@700mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	3.10 WW 2700K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT Drv 700mA WW 727 36.3W 457672 Integra...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	16

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	536569.32	139501.41	6.00	197.00	0.00	0.00	0.40	75%			
2	B	536569.80	139469.52	6.00	28.00	0.00	0.00	0.40	75%			
3	A	536594.41	139442.34	6.00	212.00	0.00	0.00	0.40	75%			
4	A	536603.51	139409.64	6.00	27.00	0.00	0.00	0.40	85%			
6	A	536617.19	139425.25	6.00	209.00	0.00	0.00	0.40	85%			
7	B	536624.06	139383.22	6.00	167.00	0.00	0.00	0.40	85%			
8	B	536600.00	139364.26	6.00	321.00	0.00	0.00	0.40	70%			
9	B	536593.10	139341.71	6.00	139.00	0.00	0.00	0.40	70%			
10	B	536574.50	139321.86	6.00	117.00	0.00	0.00	0.40	70%			
11	B	536544.49	139337.09	6.00	29.00	0.00	0.00	0.40	70%			
12	A	536522.77	139357.10	6.00	271.00	0.00	0.00	0.40	70%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
13	A	536523.53	139342.32	6.00	91.00	0.00	0.00	0.40	70%			
14	B	536486.90	139340.85	6.00	313.00	0.00	0.00	0.40	70%			
15	B	536465.87	139321.93	6.00	311.00	0.00	0.00	0.40	75%			
16	B	536441.61	139303.42	6.00	300.00	0.00	0.00	0.40	75%			
17	B	536444.26	139279.89	6.00	36.00	0.00	0.00	0.40	70%			
18	B	536463.14	139258.11	6.00	44.00	0.00	0.00	0.40	70%			
19	B	536488.10	139248.39	6.00	228.00	0.00	0.00	0.40	70%			
20	B	536632.12	139372.06	6.00	231.00	0.00	0.00	0.40	70%			
21	B	536649.41	139351.26	6.00	210.00	2.50	0.00	0.40	70%			
23	A	536657.12	139331.50	6.00	131.00	0.00	0.00	0.40	85%			
24	B	536583.66	139314.29	6.00	46.00	0.00	0.00	0.40	70%			
25	B	536505.02	139318.33	6.00	221.00	2.50	0.00	0.40	100%			
26	A	536535.31	139270.26	6.00	126.00	0.00	0.00	0.40	70%			
28	A	536517.02	139286.51	6.00	39.00	0.00	0.00	0.40	70%			

Horizontal Illuminance (lux)

Grid 1 - Road 01 - P4



Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 2 - Road 01 - P4

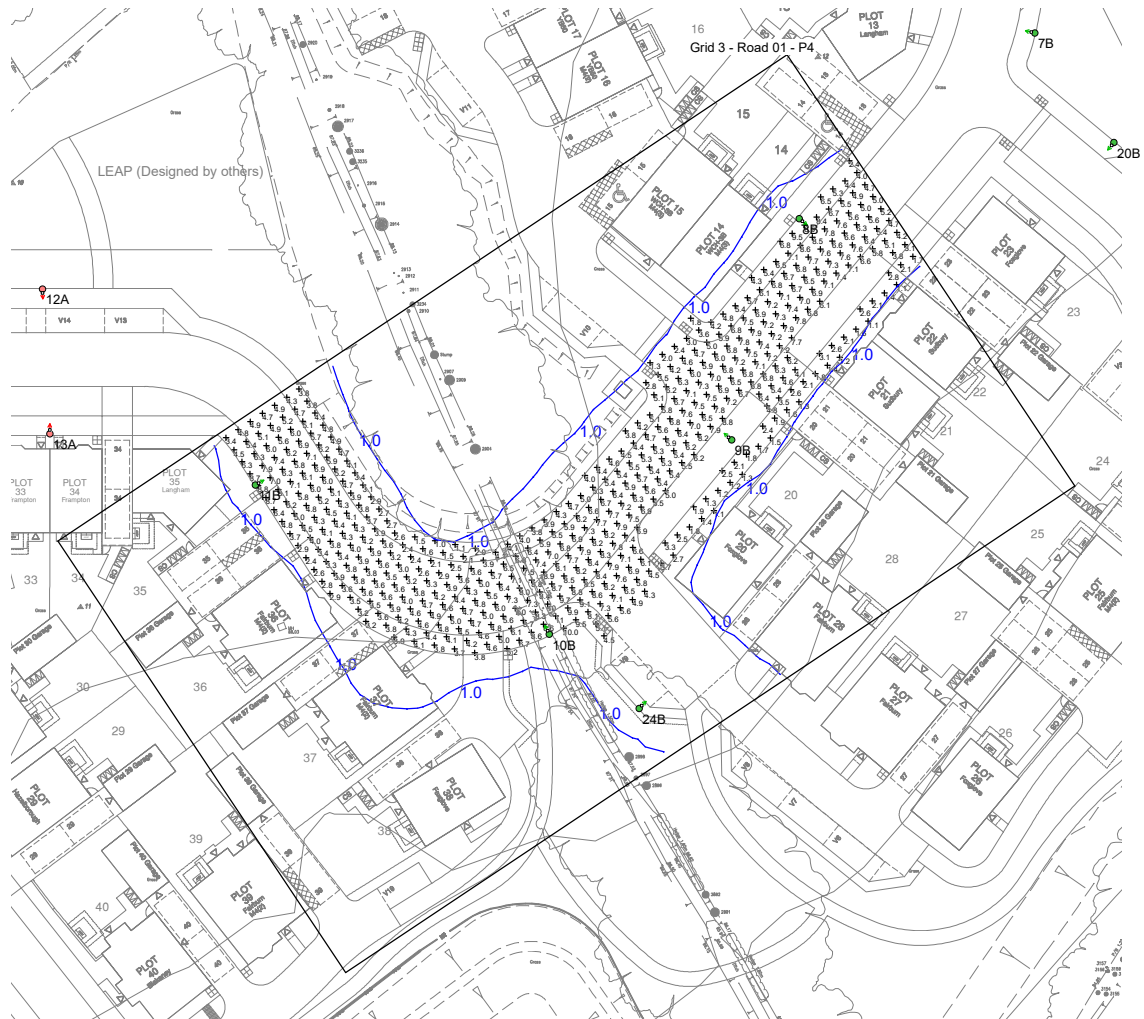


Results

Eav	5.28
Emin	1.02
Emax	17.15
Emin/Emax	0.06
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 3 - Road 01 - P4



Results

Eav	5.30
Emin	1.04
Emax	10.52
Emin/Emax	0.10
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 4 - Road 01 - P4

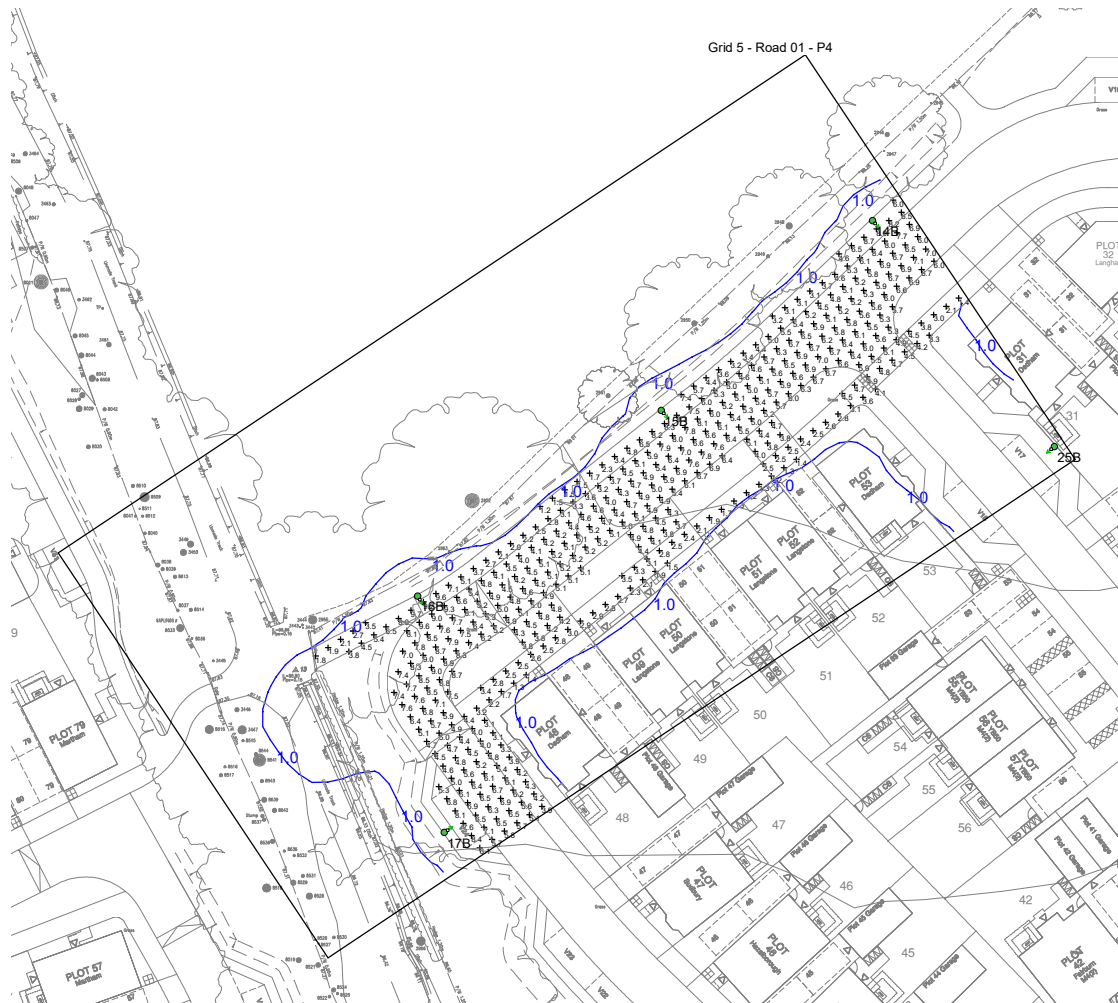


Results

Eav	5.01
Emin	1.16
Emax	17.41
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 5 - Road 01 - P4

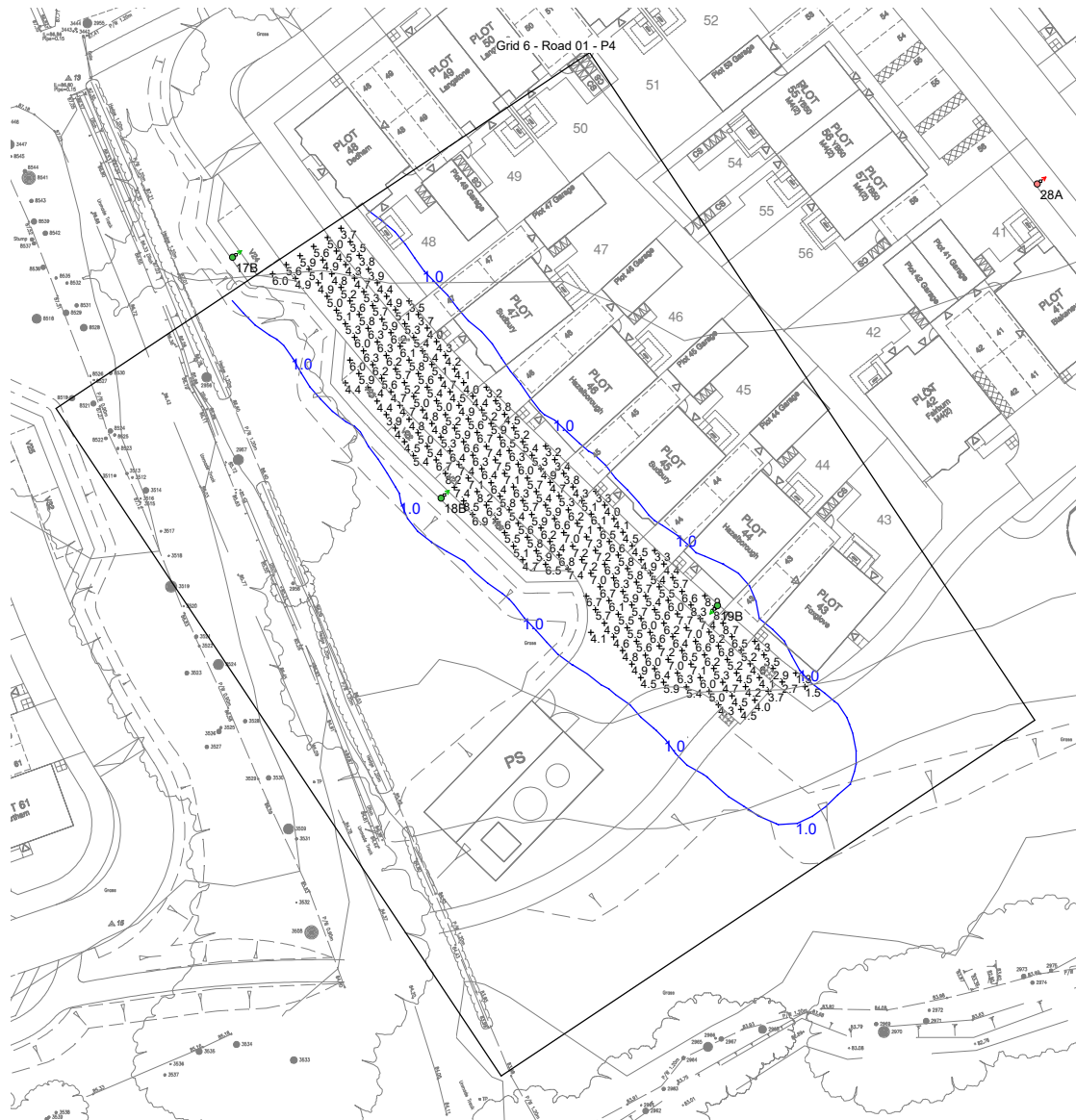


Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 6 - Road 01 - P4



Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 7 - Road 02 - P4

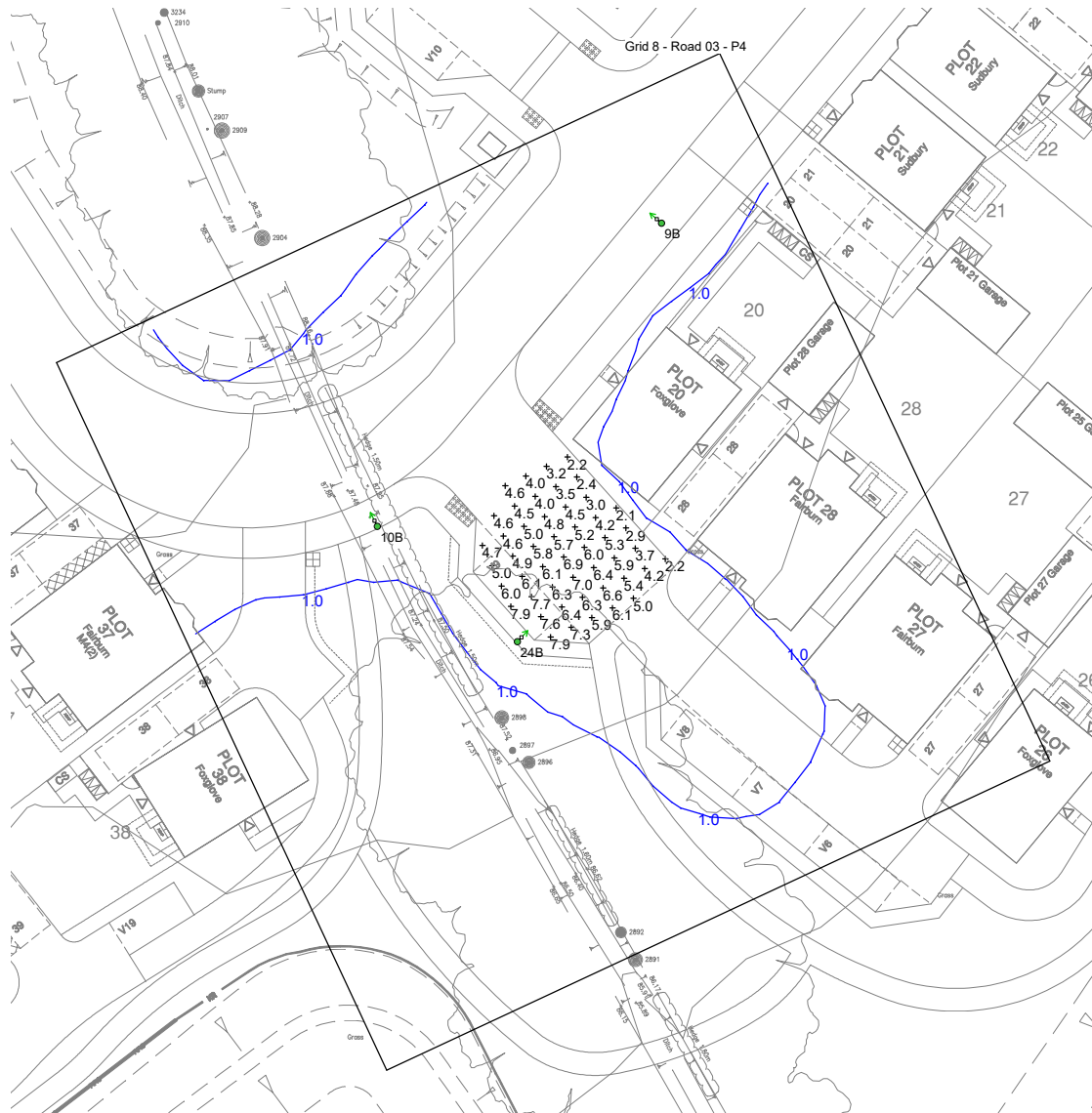


Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 8 - Road 03 - P4



Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 9 - Road 04 - P4

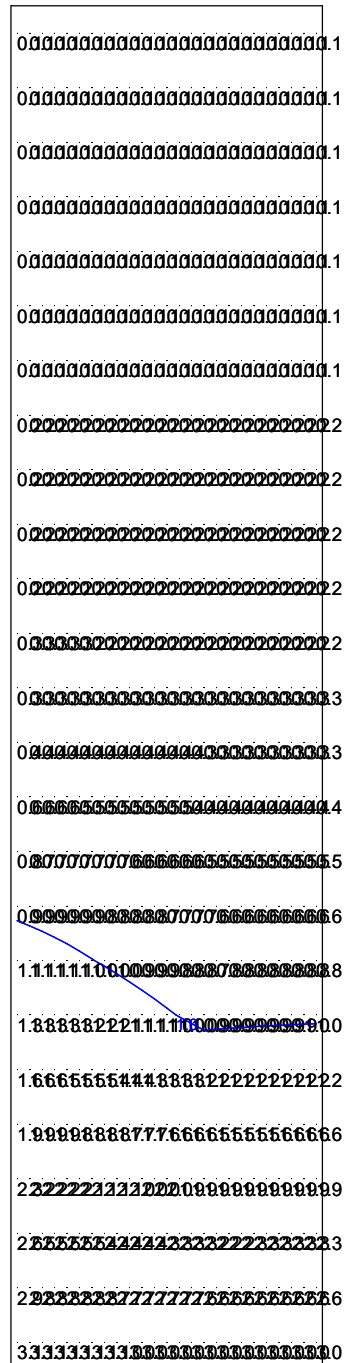


Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21

Illuminance (lux)

Grid 10



Results

Eav	5.22
Emin	1.09
Emax	17.90
Emin/Emax	0.06
Emin/Eav	0.21