

DATE: 17 March 2026
DESIGNER: M Groves AMILP EngTech
PROJECT No: 20039903
PROJECT NAME: EVO20039903-AC-001-A

ENERVEO

Rascals Farm, Southwater - S38 (Planning)

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	515590.65	125291.91	66.88	65.86	1.49	1.50
2	Grid 2 - Road 01 - P4	515541.10	125252.36	66.88	65.86	1.49	1.50
3	Grid 3 - Road 01 - P4	515479.44	125197.55	88.11	41.74	1.49	1.49
4	Grid 4 - Road 01 - P4	515402.77	125144.41	96.13	41.67	1.48	1.49
5	Grid 5 - Road 02 - P5	515472.17	125159.99	35.94	48.81	1.50	1.48
6	Grid 6 - Road 02 - P5	515456.74	125112.88	42.38	60.25	1.46	1.47
7	Grid 7 - Road 02 - P5	515496.01	125103.17	94.28	45.94	1.50	1.48
8	Grid 8 - Road 03 - P5	515484.85	125157.26	78.55	36.40	1.48	1.46
9	Grid 9 - Road 03 - P5	515558.38	125168.38	25.59	51.52	1.42	1.47
10	Grid 10 - Road 01 - P4	515408.80	125120.99	34.85	64.23	1.45	1.49
11	Grid 11 - Road 04 - P5	515424.84	125187.54	38.54	50.42	1.48	1.48
12	Grid 12 - Road 04 - P5	515407.19	125213.66	38.54	50.42	1.48	1.48
13	Grid 13 - Road 04 - P5	515378.39	125220.83	48.11	29.16	1.46	1.46
14	Grid 14 - Road 05 - P5	515423.23	125233.46	48.11	34.23	1.46	1.49
15	Grid 15 - Road 05 - P5	515450.66	125271.40	24.95	51.88	1.47	1.48

Luminaire

Luminaire A Data

Supplier	
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@300mA NW 740 230V 01-11-802
LampFlux(klm)/Colour	1.92 NW 4000K/70
File Name	AXIA 3.1 5295 16 OSLO SQUARE GIANT Drv 300mA NW 740 15.5W 457592 Inte...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	842.8, 11.9, 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@480mA NW 740 230V 01-11-802
LampFlux(klm)/Colour	2.75 NW 4000K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT Drv 480mA NW 740 24.4W 457672 Inte...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	7

Luminaire C Data

Supplier	
Type	AXIA 3.1 5294 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@300mA NW 740 230V 01-11-802
LampFlux(klm)/Colour	1.91 NW 4000K/70
File Name	AXIA 3.1 5294 16 OSLO SQUARE GIANT Drv 300mA NW 740 15.5W 457582 Inte...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	682.8, 14.6, 0.0
No. in Project	5

Luminaire D Data

Supplier	
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@300mA NW 740 230V 01-11-802
LampFlux(klm)/Colour	1.80 NW 4000K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT Drv 300mA NW 740 15.5W 457672 Inte...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	6

Luminaires

Luminaire M Data

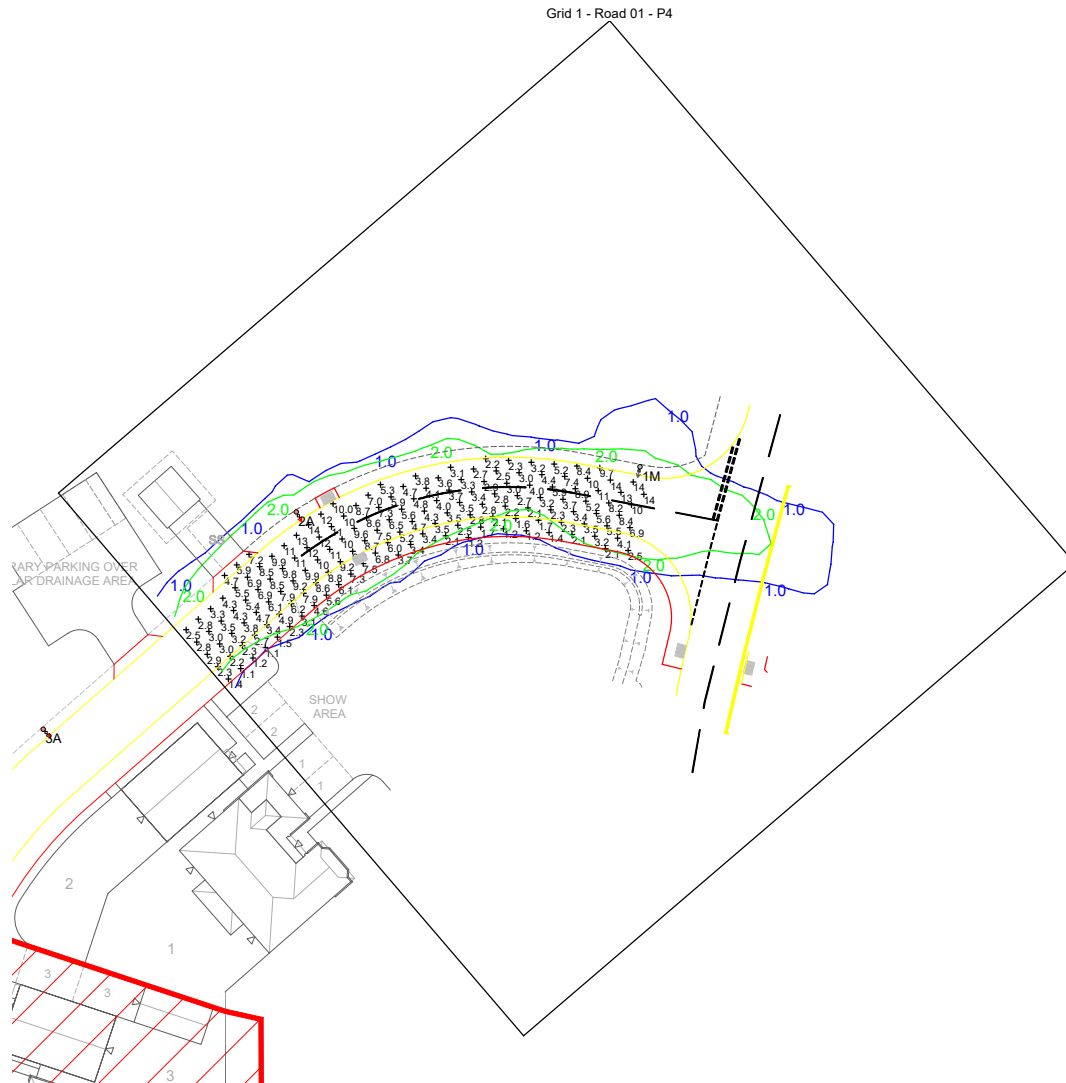
Supplier	
Type	AXIA 3.1 5270 Integrated lenses 8 OSLO N SQUARE GIANT LED@400
Lamp(s)	8 OSLO N SQUARE GIANT@400mA NW 7 40 230V 01-11-802
LampFlux(klm)/Colour	1.66 NW 4000K/70
File Name	AXIA 3.1 5270 8 OSLO N SQUARE GIANT Drv 400mA NW 740 10.6W 429112 Integr...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1022.0, 99.2, 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	M	515601.37	125344.34	6.00	257.00	0.00	0.00	0.40	100%			
2	A	515569.70	125340.18	6.00	299.00	0.00	0.00	0.40	100%			
3	A	515546.38	125320.15	6.00	312.00	0.00	0.00	0.40	80%			
4	B	515528.51	125296.28	6.00	347.00	0.00	0.00	0.40	80%			
5	A	515537.08	125265.74	6.00	161.00	0.00	0.00	0.40	80%			
6	B	515512.27	125240.45	6.00	125.00	0.00	0.00	0.40	90%			
7	B	515484.67	125221.81	6.00	127.00	0.00	0.00	0.40	90%			
8	B	515454.74	125201.61	6.00	123.00	0.00	0.00	0.40	85%			
9	A	515422.60	125190.51	6.00	308.00	0.00	0.00	0.40	85%			
10	B	515414.00	125163.81	6.00	145.00	0.00	0.00	0.40	85%			
11	B	515475.11	125196.84	6.00	214.00	0.00	0.00	0.40	60%			
12	B	515486.85	125156.08	6.00	177.00	0.00	0.00	0.40	60%			
13	C	515489.63	125127.54	6.00	73.00	0.00	0.00	0.40	60%			
14	C	515520.52	125122.35	6.00	98.00	0.00	0.00	0.40	60%			
15	D	515551.17	125126.41	6.00	104.00	0.00	0.00	0.40	60%			
16	D	515569.49	125141.19	6.00	284.00	0.00	0.00	0.40	60%			
17	C	515502.50	125177.15	6.00	106.00	0.00	0.00	0.40	60%			
18	C	515529.05	125183.95	6.00	105.00	0.00	0.00	0.40	60%			
19	D	515550.11	125197.29	6.00	284.00	0.00	0.00	0.40	60%			
20	D	515570.05	125197.89	6.00	197.00	0.00	0.00	0.40	70%			
21	C	515395.51	125152.91	6.00	53.00	0.00	0.00	0.40	90%			
22	A	515435.01	125215.03	6.00	214.00	0.00	0.00	0.40	60%			
23	A	515416.15	125241.49	6.00	225.00	0.00	0.00	0.40	60%			
24	A	515387.95	125250.70	6.00	271.00	0.00	0.00	0.40	60%			
25	A	515411.67	125259.12	6.00	330.00	0.00	0.00	0.40	60%			
26	A	515362.34	125245.34	6.00	0.00	0.00	0.00	0.40	65%			
27	D	515431.63	125275.15	6.00	156.00	0.00	0.00	0.40	60%			
28	D	515436.65	125296.21	6.00	253.00	0.00	0.00	0.40	60%			

Horizontal Illuminance (lux)

Grid 1 - Road 01 - P4

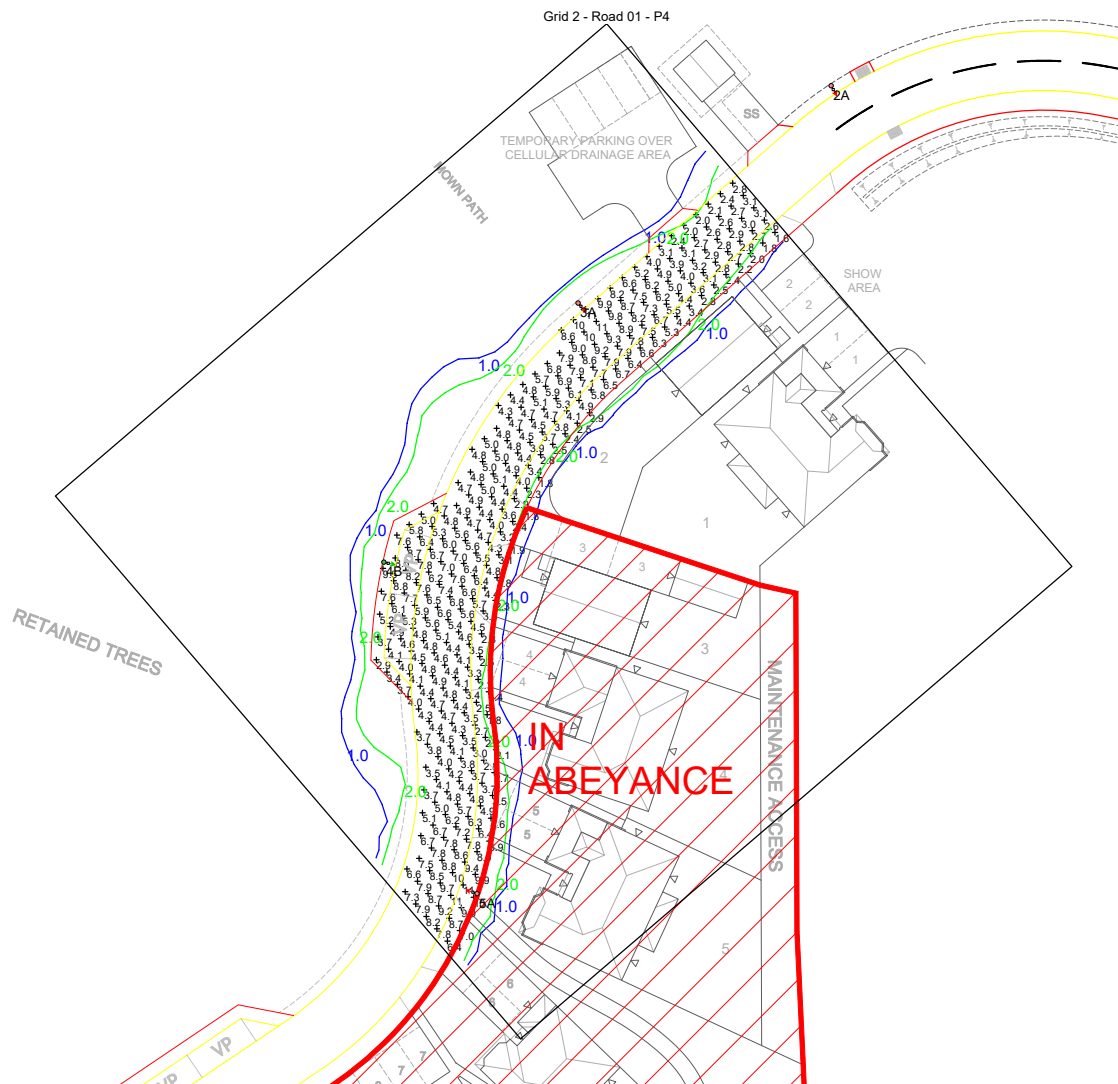


Results

Eav	5.55
Emin	1.09
Emax	13.95
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2 - Road 01 - P4



Results

Eav	5.24
Emin	1.41
Emax	11.00
Emin/Emax	0.13
Emin/Eav	0.27