

DATE: 8 January 2021
DESIGNER: TL
PROJECT No: 21900
PROJECT NAME: Rossett Road, Rossett, Wrexham



21900-A-01
Lighting Class P4

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	337225.68	357323.86	180.00	210.00	1.50	1.50
2	Grid 2	337163.38	357026.10	322.35	531.84	12.89	21.27
3	Grid 3	337161.05	357117.44	180.00	210.00	1.50	1.50

Luminaires



Luminaire B Data

Supplier	Urbis Schreder
Type	AMPERA MINI 5068 Flat glass 24 OSLO SQUARE GIANT@350mA NW
Lamp(s)	24 OSLO SQUARE GIANT@350mA NW 740 230V
LampFlux(klm)/Colour	3.52 NW 4000K/70
File Name	AMPERA MINI 5068 24 OSLO SQUARE GIANT 350mA NW 740 26W 404502 Flat g...
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	386.8, 173.4, 0.0
No. in Project	27

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	B	337343.61	357283.57	6.00	151.00	0.00	0.00	0.30			
2	B	337325.88	357294.78	6.00	61.00	0.00	0.00	0.30			
3	B	337364.43	357317.39	6.00	138.00	0.00	0.00	0.30			
4	B	337384.44	357343.93	6.00	297.00	0.00	0.00	0.30			
5	B	337350.43	357347.58	6.00	44.00	0.00	0.00	0.30			
6	B	337325.55	357381.44	6.00	227.00	0.00	0.00	0.30			
7	B	337302.29	357401.37	6.00	309.00	0.00	0.00	0.30			
8	B	337410.03	357356.24	6.00	200.00	0.00	0.00	0.30			
9	B	337393.44	357389.94	6.00	201.00	0.00	0.00	0.30			
10	B	337373.72	357447.17	6.00	188.00	0.00	0.00	0.30			
11	B	337365.64	357472.48	6.00	279.00	0.00	0.00	0.30			
12	B	337382.51	357423.45	6.00	206.00	0.00	0.00	0.30			
13	B	337278.15	357270.15	6.00	204.00	0.00	0.00	0.30			
14	B	337278.09	357240.41	6.00	16.00	0.00	0.00	0.30			
15	B	337287.65	357210.79	6.00	165.00	0.00	0.00	0.30			
16	B	337273.88	357184.07	6.00	346.00	0.00	0.00	0.30			
17	B	337248.67	357178.54	6.00	263.00	0.00	0.00	0.30			
18	B	337220.52	357172.42	6.00	127.00	0.00	0.00	0.30			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
19	B	337215.71	357205.16	6.00	350.00	0.00	0.00	0.30			
20	B	337219.83	357238.66	6.00	352.00	0.00	0.00	0.30			
21	B	337300.77	357176.60	6.00	259.00	0.00	0.00	0.30			
22	B	337330.66	357173.07	6.00	261.00	0.00	0.00	0.30			
23	B	337358.50	357168.08	6.00	178.00	0.00	0.00	0.30			
24	B	337279.56	357154.60	6.00	168.00	0.00	0.00	0.30			
25	B	337265.92	357097.94	6.00	85.00	0.00	0.00	0.30			
26	B	337275.16	357125.50	6.00	171.00	0.00	0.00	0.30			
27	B	337278.15	357293.73	6.00	151.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1

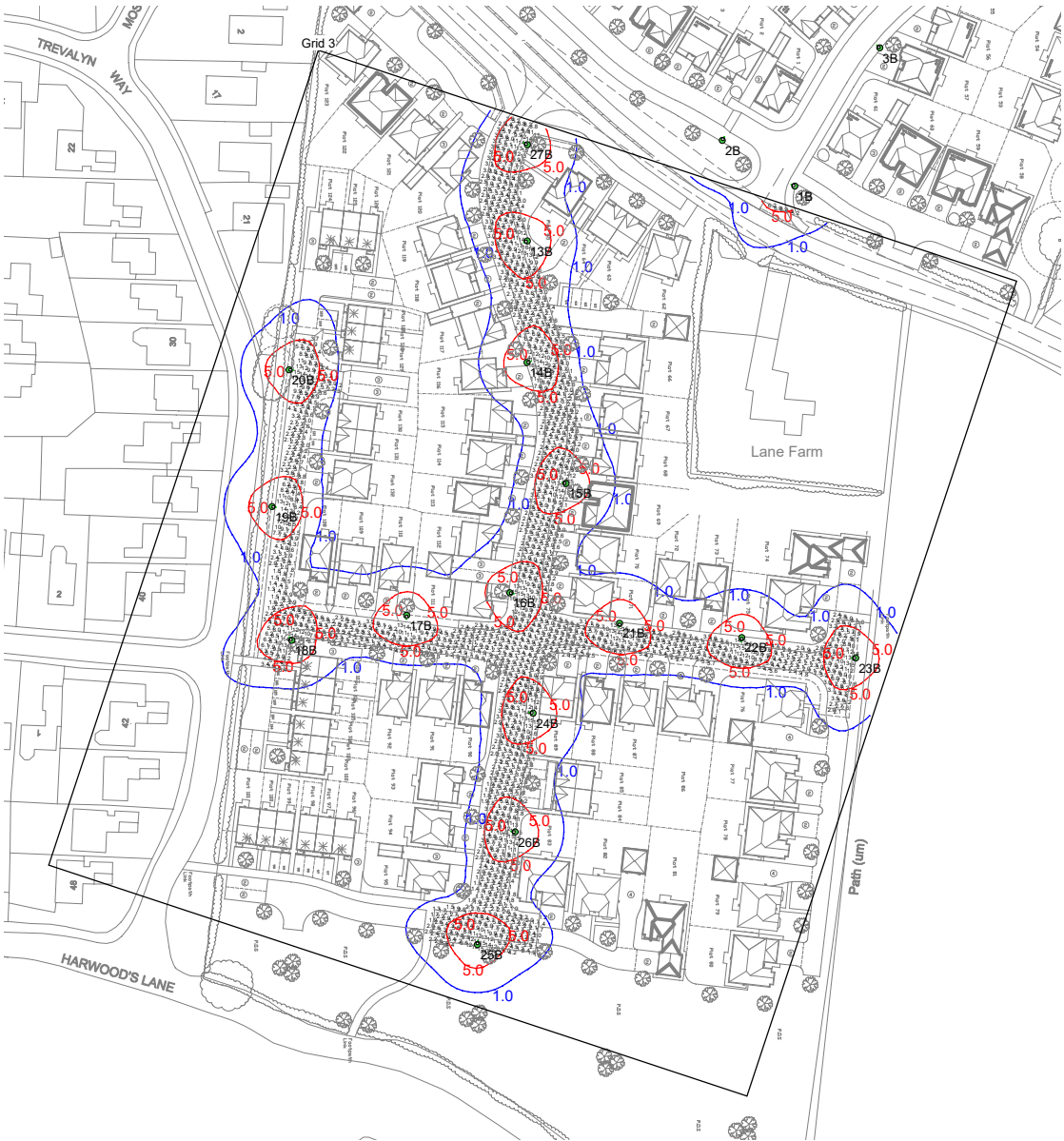


Results

Eav	5.04
Emin	1.02
Emax	15.61
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.45
Emin	1.15
Emax	15.75
Emin/Emax	0.07
Emin/Eav	0.21