

DATE: 25 May 2023
DESIGNER: EDS
PROJECT No: 592
PROJECT NAME: Banbury S38

**LIGHTING
REALITY**

Designed to Lighting Class P4

Outdoor Lighting Report

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	444252.95	238747.21	191.09	213.30	1.49	1.49
2	Grid 2	444423.93	238661.13	210.71	258.63	1.49	1.49

Luminaires

Luminaire A Data



Supplier	D W Windsor
Type	KIRIUM PRO MINI 16LED 3k D4_550mA U MSUG 42 0025 0000 100
Lamp(s)	16 x 3k LED
Lamp Flux (klm)	3.75
File Name	KIRIUM PRO MINI 16LED 3k D4_550mA U MSUG 42 0025 0000 100.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	588.4, 134.0, 0.0
No. in Project	41

Luminaire B Data



Supplier	D W Windsor
Type	KIRIUM PRO MINI 8LED 3k A1_500mA UM SUG 42 0012 0000 100
Lamp(s)	8 x 3k LED
Lamp Flux (klm)	1.79
File Name	KIRIUM PRO MINI 8LED 3k A1_500mA UM SUG 42 0012 0000 100.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	741.0, 276.2, 0.0
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	444349.06	238741.86	6.00	331.00	0.00	0.00	0.40			
2	A	444369.11	238777.28	6.00	331.00	0.00	0.00	0.40			
3	A	444353.68	238790.50	6.00	63.00	0.00	0.00	0.40			
4	A	444326.40	238815.88	6.00	243.00	0.00	0.00	0.40			
5	A	444306.07	238794.71	6.00	338.00	0.00	0.00	0.40			
6	A	444311.69	238762.96	6.00	91.00	0.00	0.00	0.40			
7	A	444342.67	238757.28	6.00	60.00	0.00	0.00	0.40			
8	A	444315.07	238834.75	6.00	305.00	0.00	0.00	0.40			
9	A	444343.61	238845.77	6.00	127.00	0.00	0.00	0.40			
10	A	444421.22	238866.26	6.00	260.00	0.00	0.00	0.40			
11	A	444389.89	238806.35	6.00	333.00	0.00	0.00	0.40			
12	A	444398.81	238767.52	6.00	223.00	0.00	0.00	0.40			
13	A	444427.86	238748.54	6.00	239.00	0.00	0.00	0.40			
14	A	444453.50	238733.66	6.00	146.00	0.00	0.00	0.40			
15	A	444473.79	238765.94	6.00	155.00	0.00	0.00	0.40			
16	A	444410.21	238842.24	6.00	327.00	0.00	0.00	0.40			
17	A	444425.25	238812.40	6.00	63.00	0.00	0.00	0.40			
18	A	444460.76	238799.51	6.00	241.00	0.00	0.00	0.40			
19	A	444489.51	238796.04	6.00	149.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	A	444535.73	238674.90	6.00	352.00	0.00	0.00	0.40			
21	A	444539.68	238712.36	6.00	355.00	0.00	0.00	0.40			
22	A	444519.48	238718.60	6.00	87.00	0.00	0.00	0.40			
23	A	444483.96	238720.25	6.00	69.00	0.00	0.00	0.40			
24	A	444474.20	238735.28	6.00	326.00	0.00	0.00	0.40			
25	A	444493.17	238770.34	6.00	331.00	0.00	0.00	0.40			
26	A	444510.09	238802.52	6.00	331.00	0.00	0.00	0.40			
27	A	444528.22	238782.29	6.00	65.00	0.00	0.00	0.40			
28	A	444580.39	238834.41	6.00	257.00	0.00	0.00	0.40			
29	A	444549.69	238750.81	6.00	154.00	0.00	0.00	0.40			
30	A	444563.67	238719.95	6.00	87.00	0.00	0.00	0.40			
31	B	444568.84	238742.69	5.00	171.00	0.00	0.00	0.40			
32	A	444558.43	238784.26	6.00	331.00	0.00	0.00	0.40			
33	A	444579.52	238816.32	6.00	168.00	0.00	0.00	0.40			
34	A	444602.61	238724.36	6.00	266.00	0.00	0.00	0.40			
35	A	444651.59	238726.99	6.00	102.00	0.00	0.00	0.40			
36	A	444626.79	238665.64	6.00	352.00	0.00	0.00	0.40			
37	A	444630.39	238703.43	6.00	353.00	0.00	0.00	0.40			
38	A	444680.18	238729.17	6.00	180.00	0.00	0.00	0.40			
39	A	444619.44	238737.06	6.00	10.00	0.00	0.00	0.40			
40	A	444620.52	238766.34	6.00	350.00	0.00	0.00	0.40			
41	A	444633.90	238825.63	6.00	259.00	0.00	0.00	0.40			
42	A	444632.97	238800.68	6.00	164.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	6.24
Emin	1.15
E _{max}	14.26
E _{min} /E _{max}	0.08
E _{min} /E _{av}	0.18

Horizontal Illuminance (lux)

Grid 2



Results

Eav	6.21
Emin	1.04
E _{max}	17.19
E _{min} /E _{max}	0.06
E _{min} /E _{av}	0.17