

DATE: 25 January 2024
DESIGNER: N.Grealish
PROJECT No: R2
PROJECT NAME: Serviced Sites Moate



Outdoor Lighting Report

The lighting design has achieved the following Lighting Standards:
IS EN 13201- 2:2015 / BS5489-1:2020

“Electric Skyline confirms that this Design complies with relevant Lighting Standards. However as the Design was prepared on a Desktop basis, Electric Skyline assumes no responsibility or liability for any errors or omissions which may occur due to varying conditions on the Project site. This Design is provided on a provisional basis only, with no guarantees of completeness or accuracy until on-site surveys are completed by associated Contractors and all Safety Rules and Codes of Practice have been taken into consideration.”

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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	618925.79	738216.35	204.36	86.71	1.49	1.49
2	Grid 2	619067.68	738230.83	44.62	128.04	1.49	1.49

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses 16 OSLO N SQUARE GIANT@600mA
Lamp(s)	16 OSLO N SQUARE GIANT@600mA WW 730 230V 01-37-043
LampFlux(klm)/Colour	3.85 WW 3000K/70
File Name	AXIA 3.1 5266 16 OSLO N SQUARE GIANT T 600mA WW 730 30.8W 429092 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1142.4, 192.6, 0.0
No. in Project	5

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 16 OSLO N SQUARE GIANT@500mA
Lamp(s)	16 OSLO N SQUARE GIANT@500mA WW 730 230V
LampFlux(klm)/Colour	3.26 WW 3000K/70
File Name	AXIA 3.1 5267 16 OSLO N SQUARE GIANT T 500mA WW 730 25.8W 429102 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	4

Luminaire C Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5296 Integrated lenses 16 OSLO N SQUARE GIANT@480mA
Lamp(s)	16 OSLO N SQUARE GIANT@480mA WW 730 230V
LampFlux(klm)/Colour	3.17 WW 3000K/70
File Name	AXIA 3.1 5296 16 OSLO N SQUARE GIANT T 480mA WW 730 25.1W 436952 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1243.8, 38.3, 0.0
No. in Project	3

Layout

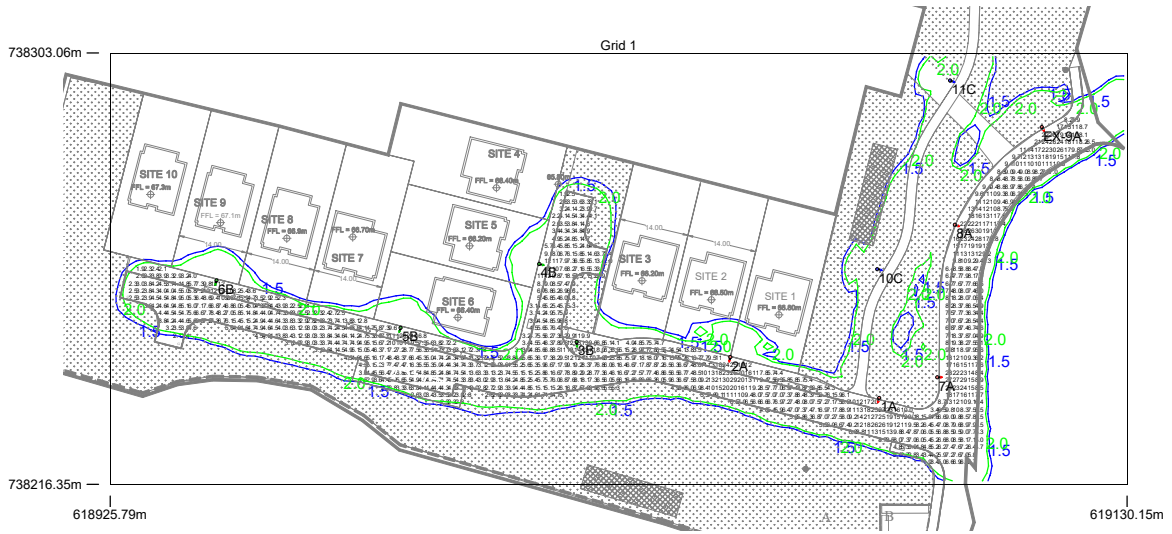
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	619080.28	738233.75	6.00	255.00	0.00	0.00	0.35			
2	A	619050.38	738241.95	6.00	257.00	0.00	0.00	0.35			
3	B	619019.50	738244.96	6.00	276.00	0.00	0.00	0.35			
4	B	619011.98	738260.67	6.00	345.00	0.00	0.00	0.35			
5	B	618984.12	738247.85	6.00	254.00	0.00	0.00	0.35			
6	B	618947.13	738257.37	6.00	256.00	0.00	0.00	0.35			
7	A	619091.98	738237.90	6.00	0.00	0.00	0.00	0.35			
8	A	619095.51	738268.56	6.00	339.00	0.00	0.00	0.35			
EX-9	A	619112.97	738288.17	6.00	301.00	0.00	0.00	0.35			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	C	619079.92	738259.62	6.00	347.00	0.00	0.00	0.35			
11	C	619094.55	738297.53	6.00	339.00	0.00	0.00	0.35			
12	C	619102.39	738335.32	6.00	352.00	0.00	0.00	0.35			

Horizontal Illuminance (lux)

Grid 1

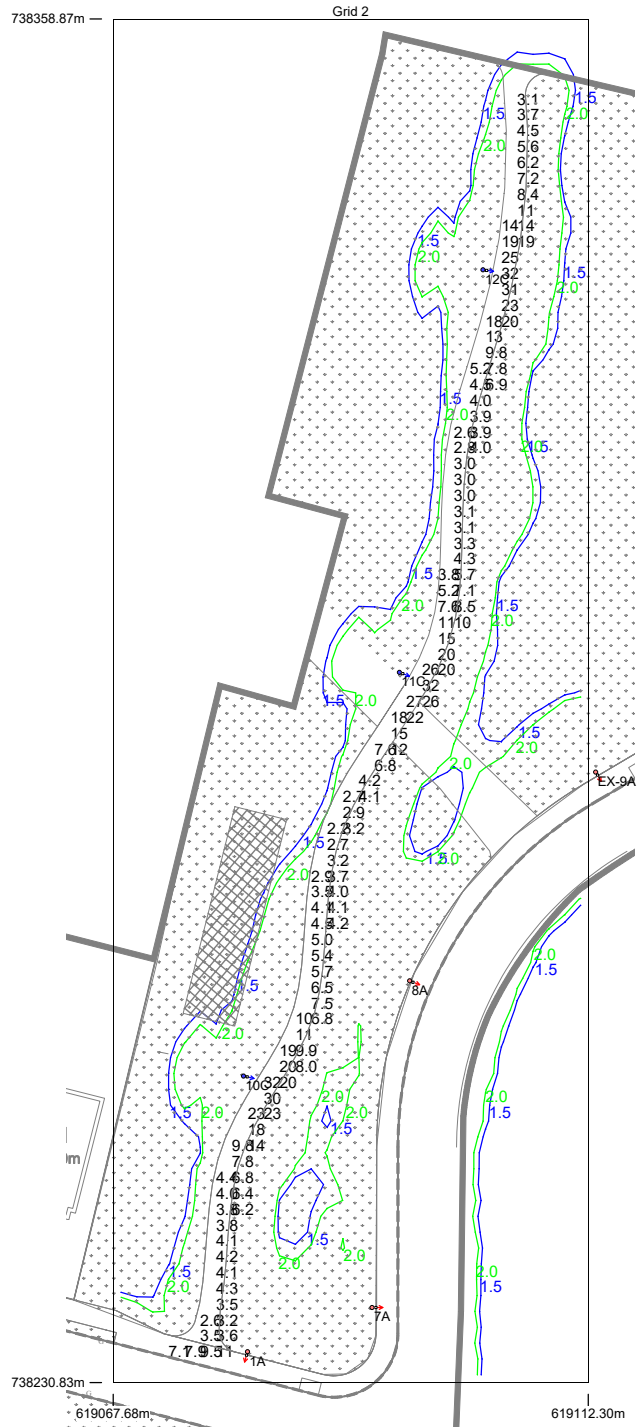


Results

Eav	7.56
Emin	1.71
Emax	30.09
Emin/Emax	0.06
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 2



Results

Eav	9.71
Emin	2.21
Emax	32.42
Emin/Emax	0.07
Emin/Eav	0.23