

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



## **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	646780.90	769567.17	85.95	134.72	1.48	1.50
2	Grid 2	646797.92	769577.96	97.70	126.40	1.48	1.49

### Luminaires

#### Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5267 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	3.77 WW 3000K/70
File Name	AXIA 3.1 5267 16 OSLO N SQUARE GIANT@600mA WW 730 30.8W 429102 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	4

#### Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO N SQUARE GIANT@700mA WW 730 230V
LampFlux(klm)/Colour	4.42 WW 3000K/70
File Name	AXIA 3.1 5266 16 OSLO N SQUARE GIANT@700mA WW 730 35.6W 429092 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1142.4, 192.6, 0.0
No. in Project	1

#### Luminaire C Data



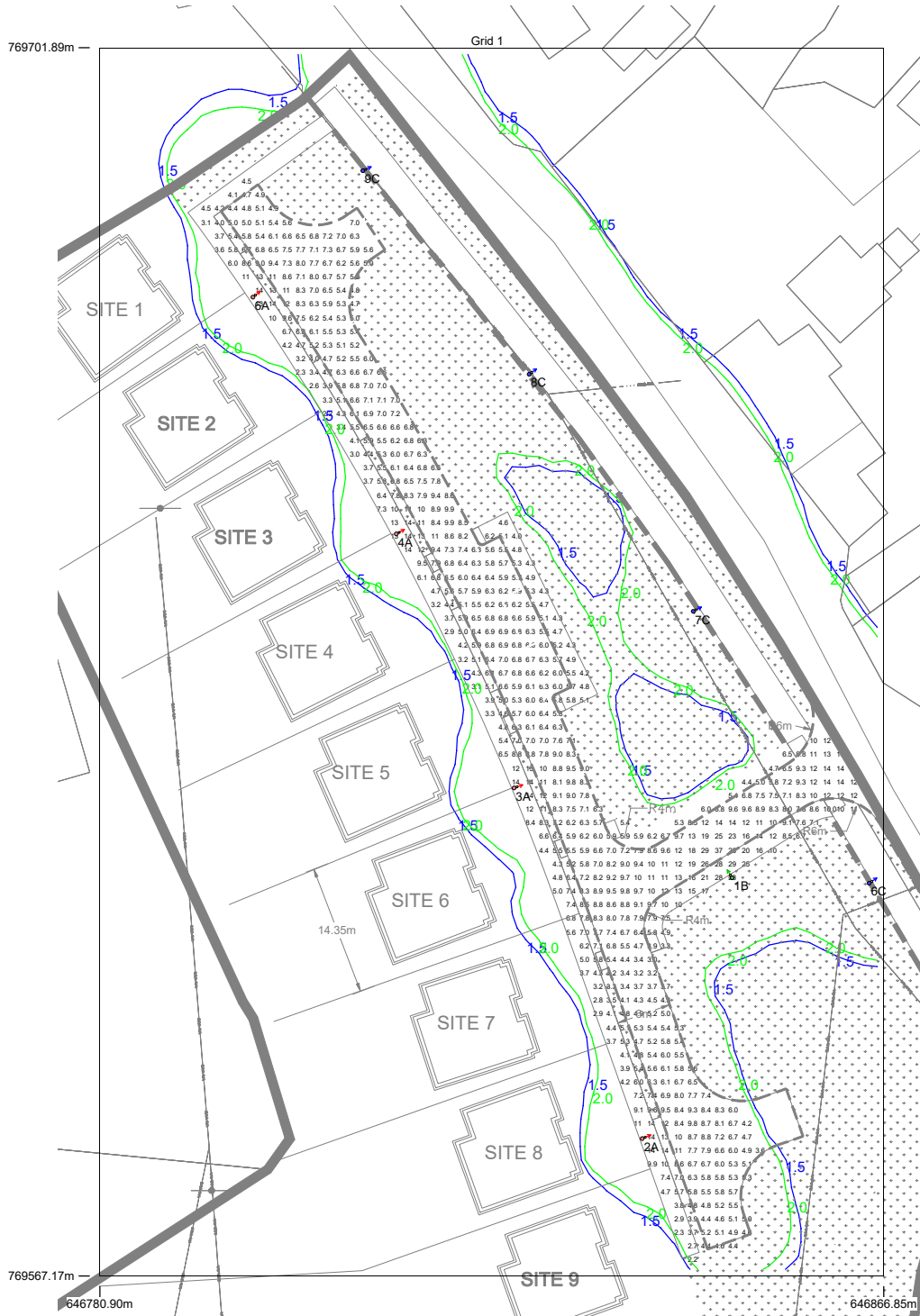
Supplier	Urbis Schreder
Type	AXIA 3.2 5267 Integrated lenses 32 OSLO N SQUARE GIANT@500mA
Lamp(s)	32 OSLO N SQUARE GIANT@500mA WW 730 230V
LampFlux(klm)/Colour	6.56 WW 3000K/70
File Name	AXIA 3.2 5267 32 OSLO N SQUARE GIANT@500mA WW 730 48.5W 430092 Integrat...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1001.2, 151.3, 0.0
No. in Project	4

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	646850.22	769610.86	6.00	122.00	0.00	0.00	0.35			
2	A	646840.36	769582.26	6.00	23.00	0.00	0.00	0.35			
3	A	646826.31	769620.70	6.00	20.00	0.00	0.00	0.35			
4	A	646813.40	769648.57	6.00	29.00	0.00	0.00	0.35			
6	A	646797.67	769674.54	6.00	38.00	5.00	0.00	0.35			
6	C	646865.24	769610.25	6.00	35.00	5.00	0.00	0.35			
7	C	646845.95	769640.07	6.00	28.00	5.00	0.00	0.35			
8	C	646827.95	769666.08	6.00	36.00	5.00	0.00	0.35			
9	C	646809.72	769688.40	6.00	25.00	5.00	0.00	0.35			

# Horizontal Illuminance (lux)

Grid 1

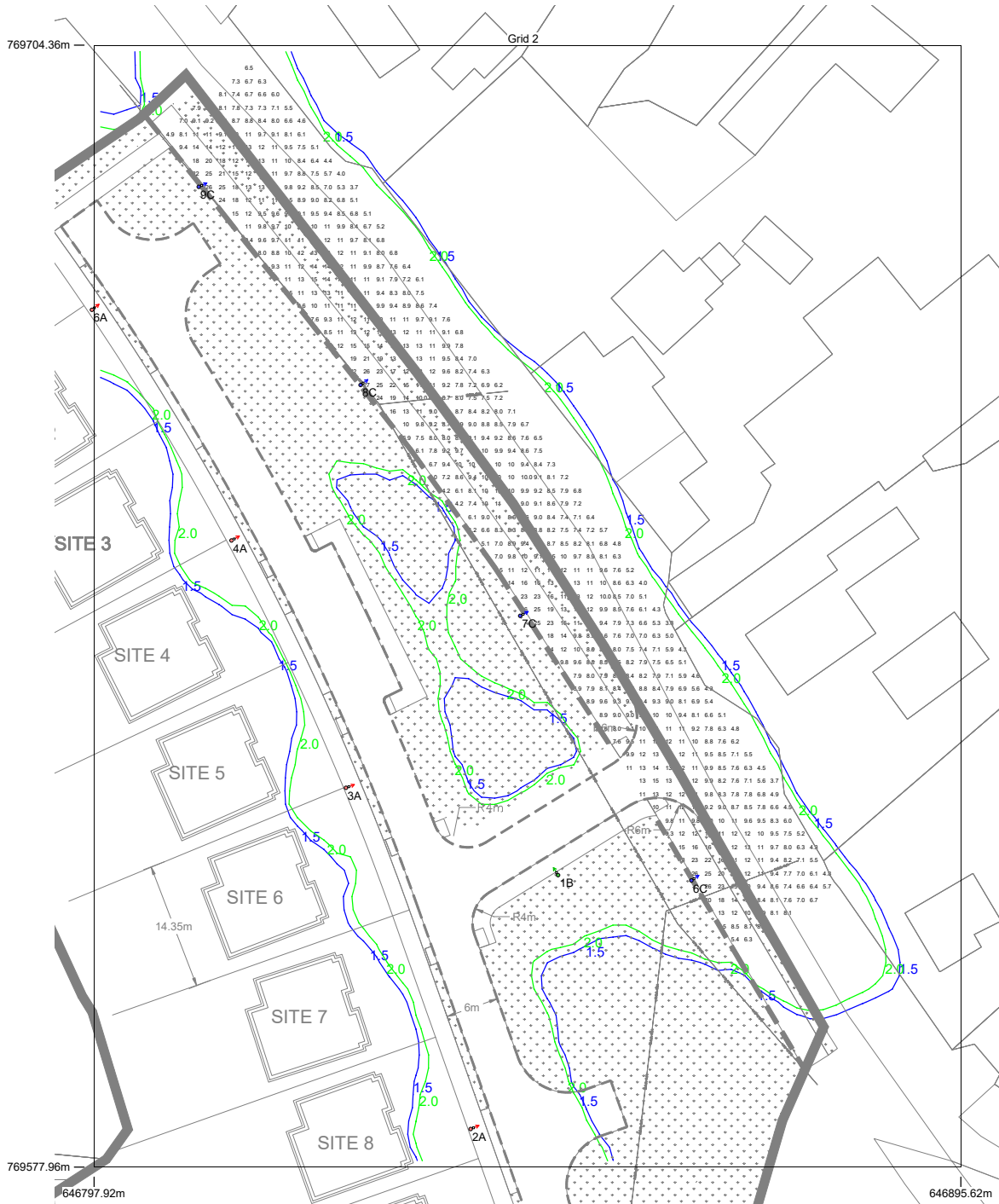


## Results

Eav	7.47
Emin	2.16
Emax	36.86
Emin/Emax	0.06
Emin/Eav	0.29

# Horizontal Illuminance (lux)

Grid 2



## Results

Eav	10.03
Emin	3.70
E <sub>max</sub>	26.64
E <sub>min</sub> /E <sub>max</sub>	0.14
E <sub>min</sub> /E <sub>av</sub>	0.37