

DATE: 3 June 2024
DESIGNER: TL
PROJECT No: 25595
PROJECT NAME: Great Wilsey Park



25595-A-01
Lighting Class - P5
Car Park Lighting 5.0lux / 0.25 Emin

Outdoor Lighting Report

PREPARED BY: HDSLighting Ltd
East Wing, Second Floor
First Avenue
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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	-870.85	407.19	63.00	63.00	1.50	1.50
2	Grid 2	-804.70	356.92	57.00	42.00	1.50	1.50
3	Grid 3	-808.80	394.45	51.00	39.00	1.50	1.50

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	E950-28-A2A-730-C900-23W
Lamp(s)	730N
Lamp Flux (klm)	2.93
File Name	E950-28-A2A-730-C0900-23W.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	470.3, 22.7, 0.9
No. in Project	4

Luminaire B Data

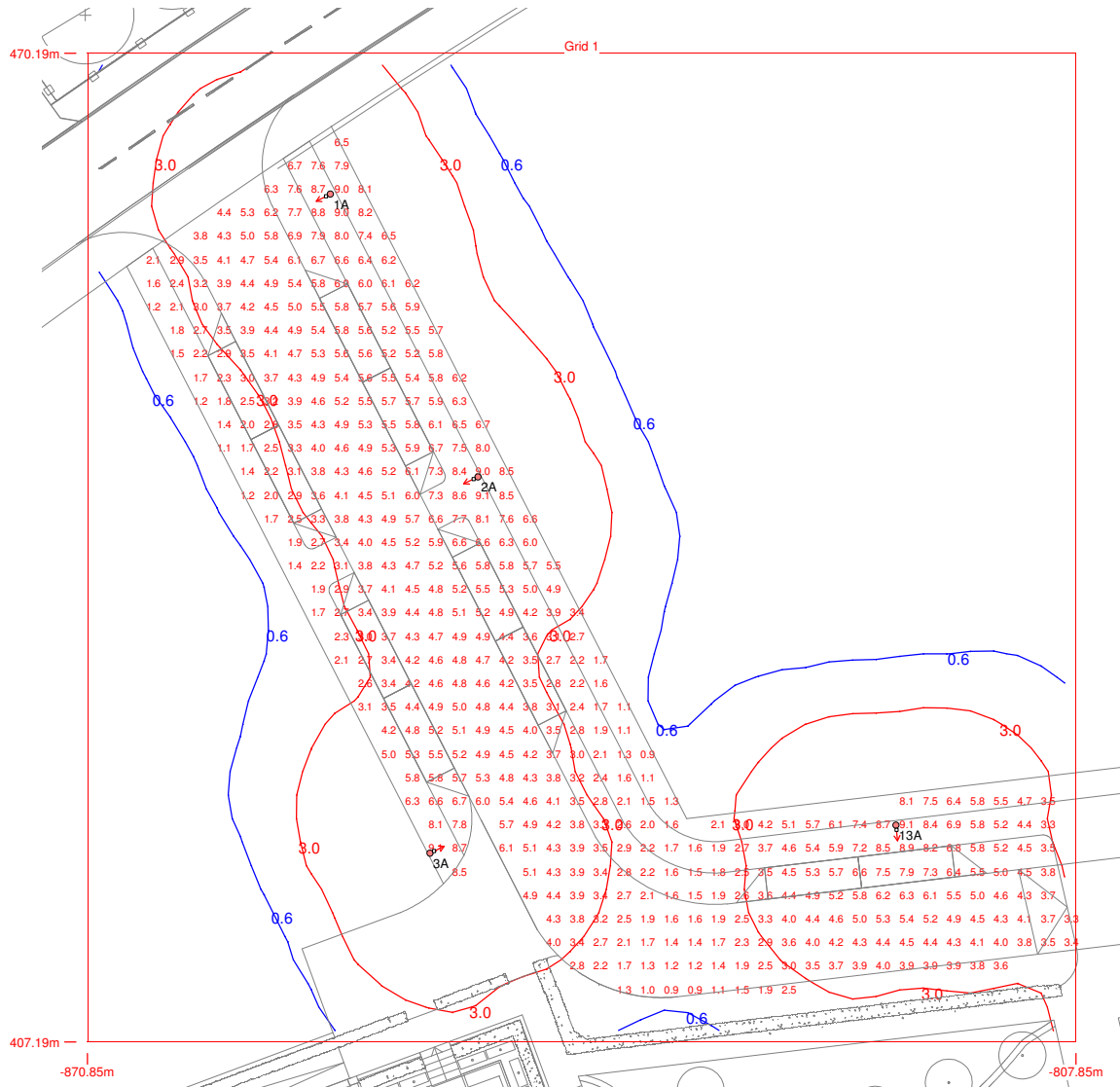
Supplier	
Type	ACLNOVASENSE SOL15w
Lamp(s)	LED 3000K
Lamp Flux (klm)	2.51
File Name	NOVASENSESYM-15W-3000-S-3160007-2 0201023.IES
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	143.3, 11.8, 0.8
No. in Project	9

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-855.38	461.21	5.00	207.00	0.00	0.00	0.30			
2	A	-845.97	443.20	5.00	205.00	0.00	0.00	0.30			
3	A	-849.03	419.24	5.00	25.00	0.00	0.00	0.30			
4	B	-781.22	400.43	5.00	100.00	0.00	0.00	0.30			
5	B	-788.63	422.53	5.00	279.00	0.00	0.00	0.30			
6	B	-767.28	366.72	5.00	106.00	0.00	0.00	0.30			
7	B	-762.06	388.57	5.00	190.00	0.00	0.00	0.30			
8	B	-777.24	382.93	5.00	15.00	0.00	0.00	0.30			
9	B	-768.13	414.81	5.00	193.00	0.00	0.00	0.30			
10	B	-799.90	408.36	5.00	15.00	0.00	0.00	0.30			
11	B	-790.52	368.66	5.00	16.00	0.00	0.00	0.30			
12	B	-793.84	383.27	5.00	16.00	0.00	0.00	0.30			
13	A	-819.34	421.02	5.00	276.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1

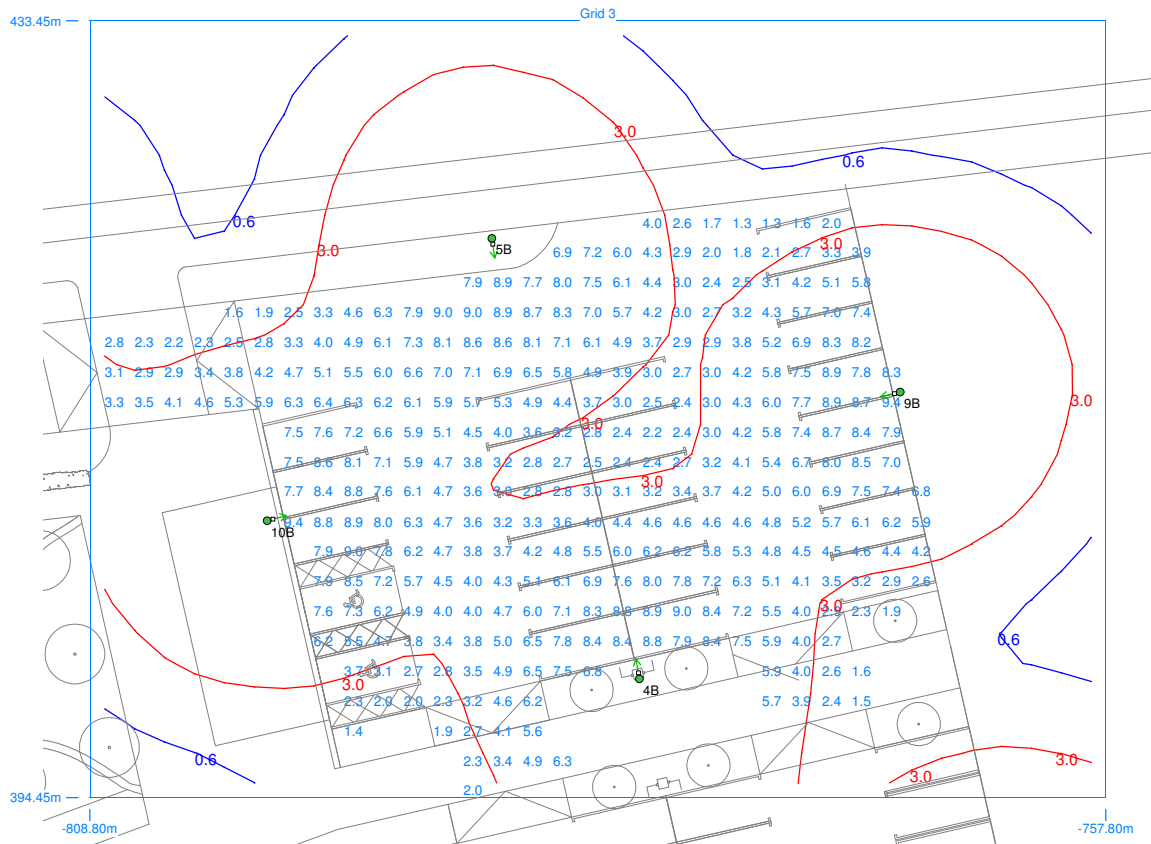


Results

Eav	4.40
Emin	0.88
Emax	9.12
Emin/Emax	0.10
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3

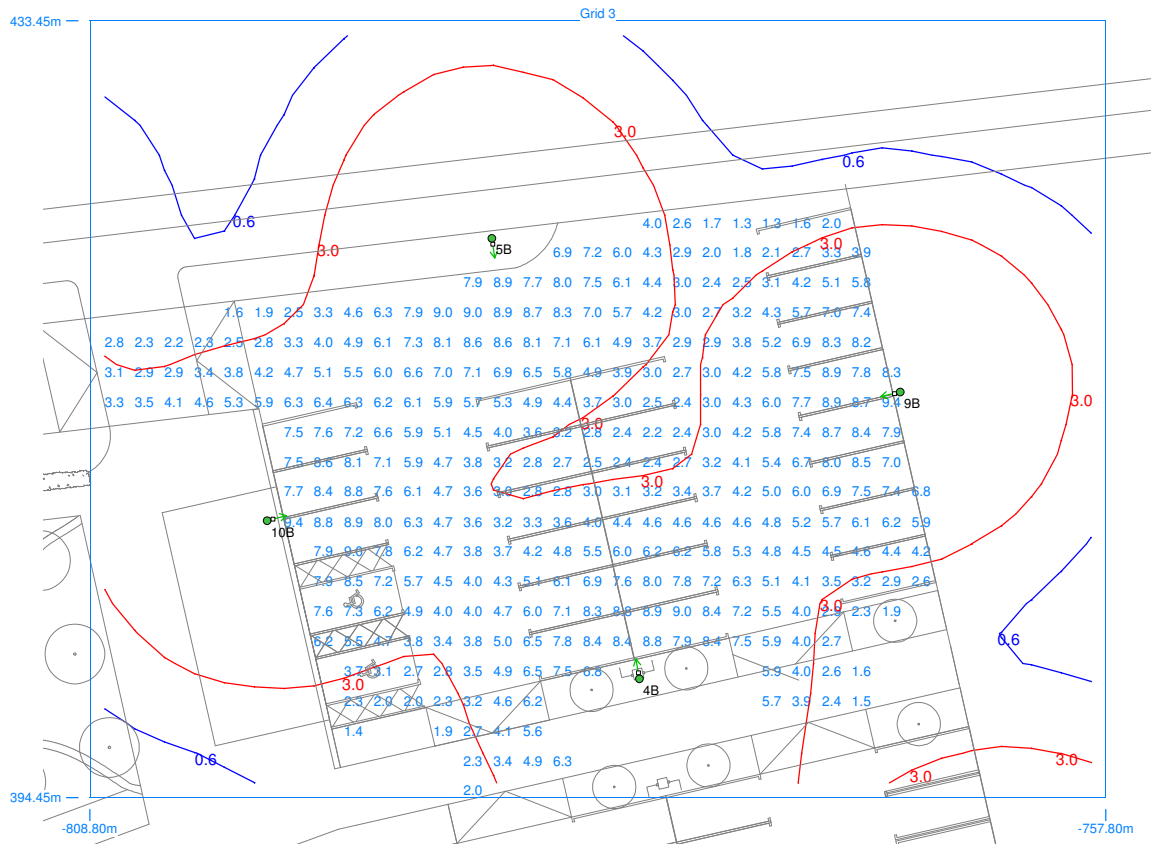


Results

Eav	5.14
Emin	1.30
Emax	9.43
Emin/Emax	0.14
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.14
Emin	1.30
Emax	9.43
Emin/Emax	0.14
Emin/Eav	0.25