

DATE: 20 April 2021
DESIGNER: Jacek Maslowski
PROJECT No: OP167833LD15492
PROJECT NAME: Western Road Rec Ground, Hailsham

Schröder
Experts in lightability™

The scheme has been designed to:

Roads and footpaths // BS 5489-1:2020, P4
5.00 - 7.50 lux average, 1.0 lux minimum

Outdoor Lighting Report

This design has been prepared in accordance with the HEA/HEMSA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 for an outline design. The information in this report does not account for installation considerations, site conditions or provide any form of risk assessment. Urbis' design service is advisory only and it is the responsibility of the recipient of this information to verify that the design is suitable for the intended application. No account is taken for the blocking effect caused by buildings, trees etc. The calculation shown assumes that the whole area considered is in the same plane.

PREPARED BY: Urbis Schreder Limited
Sapphire House
Lime Tree Way
Chineham
Basingstoke
RG23 8GG
Tel. 01256 354446
www.urbis-schreder.com

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	Footpath	-3.58	26.89	187.53	186.59	0.75	0.75
2	Gym area	160.16	141.82	23.37	11.32	0.75	0.75

Luminaires

Luminaire B Data



Supplier	Schröder
Type	PHAROS 5119 Asymmetrical 8 LEDs 350 mA WW Cylindrical, PC, Sm
Lamp(s)	8 LEDs
Lamp Flux (klm)	0.76
File Name	PHAROS 5119 8 LEDs 350mA WW 356012 Cylindrical PC Smooth Asymmetrical TF.I...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	428.1, 946.1, 43.4
No. in Project	24

Luminaire C Data



Supplier	Schröder
Type	AXIA 3.1 5296 Integrated lenses Rear louvers 8 OSLO SQUARE
Lamp(s)	8 OSLO SQUARE GIANT@300mA WW 730 230V 01-37-041
LampFlux(klm)/Colour	0.82 WW 3000K/70
File Name	AXIA 3.1 5296 8 OSLO SQUARE GIANT 300mA WW 730 8.4W 457602 Integrated le...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1285.9, 28.2, 0.0
No. in Project	10

Luminaire E Data



Supplier	Schröder
Type	AXIA 3.2 5293 Integrated lenses Rear louvers 32 OSLO SQUARE
Lamp(s)	32 OSLO SQUARE GIANT@800mA WW 730 230V 01-50-748
LampFlux(klm)/Colour	7.43 WW 3000K/70
File Name	AXIA 3.2 5293 32 OSLO SQUARE GIANT 800mA WW 730 78W 478962 Integrated I...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	416.8, 12.7, 0.0
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	150.15	165.80	5.00	253.00	0.00	0.00	0.50			
2	C	122.26	174.97	5.00	252.00	0.00	0.00	0.50			
3	C	92.29	181.30	5.00	269.00	0.00	0.00	0.50			
4	C	69.30	171.93	5.00	336.00	0.00	0.00	0.50			
5	B	61.86	152.15	1.00	339.00	0.00	0.00	0.00			
6	C	47.81	125.73	5.00	332.00	0.00	0.00	0.50			
7	C	33.58	101.73	5.00	330.00	0.00	0.00	0.50			
8	C	21.57	74.49	5.00	338.00	0.00	0.00	0.50			
9	C	11.43	47.38	5.00	342.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	B	28.34	30.65	1.00	75.00	0.00	0.00	0.00			
11	B	48.47	35.89	1.00	168.00	0.00	0.00	0.00			
12	B	82.56	34.22	1.00	68.00	0.00	0.00	0.00			
13	B	103.02	25.79	1.00	68.00	0.00	0.00	0.00			
14	B	136.84	14.14	1.00	102.00	0.00	0.00	0.00			
15	B	158.41	41.86	1.00	154.00	0.00	0.00	0.00			
16	B	169.00	63.11	1.00	154.00	0.00	0.00	0.00			
17	C	184.69	93.01	6.00	154.00	0.00	0.00	0.50			
18	B	198.74	122.26	1.00	154.00	0.00	0.00	0.00			
19	C	195.94	147.42	5.00	233.00	0.00	0.00	0.50			
20	E	178.02	156.48	6.00	249.00	6.00	0.00	0.50			
21	B	55.96	142.26	1.00	339.00	0.00	0.00	0.00			
22	E	185.10	92.85	6.00	335.00	5.00	0.00	0.50			
23	B	16.82	33.82	1.00	75.00	0.00	0.00	0.00			
24	B	40.39	27.49	1.00	75.00	0.00	0.00	0.00			
25	B	51.75	46.17	1.00	118.00	0.00	0.00	0.00			
26	B	72.02	38.41	1.00	68.00	0.00	0.00	0.00			
27	B	92.30	30.23	1.00	68.00	0.00	0.00	0.00			
28	B	113.60	21.53	1.00	68.00	0.00	0.00	0.00			
29	B	124.76	17.08	1.00	68.00	0.00	0.00	0.00			
30	B	147.26	20.06	1.00	152.00	0.00	0.00	0.00			
31	B	152.82	31.14	1.00	152.00	0.00	0.00	0.00			
32	B	163.80	52.70	1.00	152.00	0.00	0.00	0.00			
33	B	174.49	74.13	1.00	152.00	0.00	0.00	0.00			
34	B	193.11	111.59	1.00	152.00	0.00	0.00	0.00			
35	B	203.80	132.39	1.00	154.00	0.00	0.00	0.00			
36	B	61.32	42.71	1.00	68.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Footpath

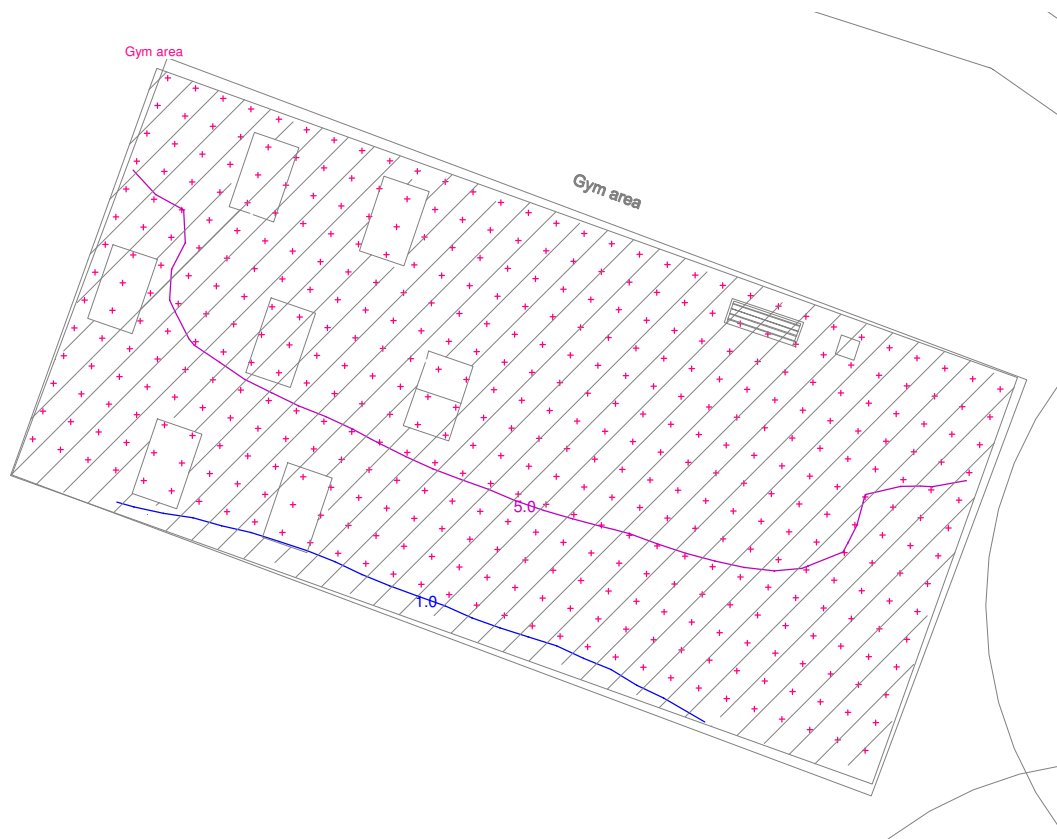


Results

Eav	7.90
Emin	1.54
E _{max}	41.39
E _{min} /E _{max}	0.04
E _{min} /Eav	0.19

Horizontal Illuminance (lux)

Gym area



Results

Eav	5.51
Emin	1.10
Emax	10.95
Emin/Emax	0.10
Emin/Eav	0.20

Horizontal Illuminance (lux)

Footpath

