



Urbis Schröder | Design

PROJECT NAME:		OP45811LSS12278 Station Road	
PROJECT No:		OP45811LSS12278 Station Road	
SCALE:	1:500	DATE:	29 January 2026
CALCULATION:		Horizontal Illuminance (lux)	
DESIGNER:		WB	

Designed to BS54891-2020.
Roads - Category PD.
0.6lux minimum illuminance & between 3-4lux average illuminance.
Parking - Table 4, Medium Car Park in Rural Location
Six average illuminance & 25% overall uniformity
Maintenance Factor calculated to BS5489, TS22012 & GN11
ILF = Luminous flux factor for 100,000hours - 100%
IS = Survival factor - 0.97% (representing 3% failures)
ILM = Mounting height: 6m or less, Cleaning frequency - 72 months, Environmental zone - E1/E2 - 0.92
ISM = Surface factor - 1 (Exterior Lighting only)
Overall ILM = 0.89 (CLO N/A)

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:

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Results Grid 1 - Access Road	
Eav	3.13
Emin	0.65
Emax	10.37
Emin/Emax	0.06
Emin/Eav	0.21
Results Grid 2 - Minor Road	
Eav	3.03
Emin	0.66
Emax	11.33
Emin/Emax	0.06
Emin/Eav	0.22
Results Grid 3 - Minor Road	
Eav	4.17
Emin	1.23
Emax	9.79
Emin/Emax	0.13
Emin/Eav	0.29
Results Grid 4 - School Parking	
Eav	5.00
Emin	1.26
Emax	13.80
Emin/Emax	0.09
Emin/Eav	0.25

	Luminaire A	Luminaire B	Luminaire C	Luminaire D
Supplier	Urbis	Urbis	Urbis	Urbis
Type	AXIA 3.1 5266 Integrated lenses 8 OSI ON SQUARE GIANT@400 mA WW 727 230V 01-37-041	AXIA 3.1 5266 Integrated lenses 8 OSI ON SQUARE GIANT@400 mA WW 727 230V 01-37-041	AXIA 3.1 5384 Integrated lenses 8 OSI ON SQUARE GIANT@700 mA WW 727 230V 01-37-041	AXIA 3.1 5384 Integrated lenses 8 OSI ON SQUARE GIANT@850 mA WW 727 230V 03-58-902
Lamp Flux (klm)	1.31	1.31	2.08	1.68
Maintenance Factor	0.89	0.89	0.89	0.89
No. in Project	5	10	4	4