



Schröder
Experts in lightability™

PROJECT NAME:
DARTON LANE

PROJECT No:
OP000223661 LD19038

SCALE: 1:250 DATE: 19 July 2023

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
Jack Cunningham

Designed to BS5489-1:2020
Road Table A2 Lighting classes for subsidiary roads, Category P5
Minimum Illuminance & Minimum 3.0m x 3.0m average
Maintenance Factor calculated to BS5489, TSO2012 & ON11
RF = Luminaire flux factor for 100,000 hours - 100%
SF = Spill factor - 0.85% (non-reflecting 20% luminaire)
RM = Mounting height dim or less
Circuit frequency = 50/60Hz
Environmentally zone = E3/E4
ISM = Surface height - 1.1 (Interior Lighting only)
Overall height = 8.0 (20.0 ft) AUL
See columns & rear photo to best light spill

This design has been prepared in accordance with the
HEALTHSAFETY Guidance Note - COVID19 Regulations, Issue 1.1
dated 08/04/20 - Procedure for an outdoor design. The
information in this report does not account for installation
considerations, site conditions or provide any form of risk
assessment. Our design 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.

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FILE NAME:
C:\Users\jcummingham\Schröder SA
GBU Lighting Scheme Archive - General
OP000223661 LD19038 Design
OP000223661 LD19038 Calculation.rma

Results Grid 1	
Eav	4.03
Emin	1.06
Emax	6.26
Emin/Emax	0.17
Emin/Eav	0.26