

DATE: 3 June 2020
DESIGNER: Steve Higham
PROJECT No: SHD066
PROJECT NAME: off Wildhouse Lane, Milnrow



Development layout reference: 8764-(04)207-Site Layout

50% Dimmed (22:00 to 06:00)

Lighting classification: (As taken from BS 5489-1:2020 (Table 4) & BS EN 12464-2:2014, Table 5.9)

Maintained lighting levels for outdoor car parks
Light traffic, e.g. parking areas of shops, terraced and apartment houses; cycle parks

S/P ratio of light source: N/A

Luminaire Maintenance Factor: 0.81

Desired Lighting Levels:

Minimum maintained average illuminance (Eav): >5.0 lux

Emin/Eav (Uniformity) => 0.25 (25%)

Private Car Park Lighting Design

PREPARED BY: SHD Lighting Consultancy Ltd
15 Boundary Drive
Bradley Fold
Bolton
BL2 6SE
www.shdlighting.co.uk
info@shdlighting.co.uk

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 123.5m x -82.0m
Area 78.0m x 81.0m
Sample Spacing 1.50m x 1.50m

Luminaires



Luminaire A Data

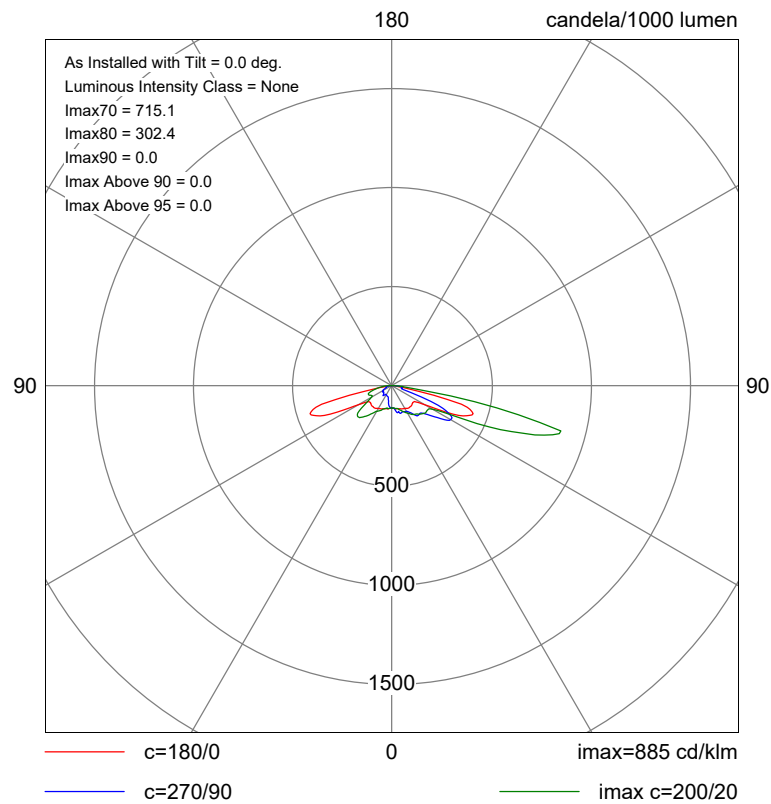
Supplier	Holophane Europe
Type	VMX.2.LA054.V1.D4D4.W036
Lamp(s)	LED C.5000 Lumens
Lamp Flux (klm)	4.97
File Name	VMX.2.LA054.V1.D4D4.W036.IES
Maintenance Factor	0.81
Lum. Int. Class	None
Lamp S/P Ratio	1.50
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	165.72	-45.38	6.00	73.00	0.00	0.00	0.37	50%			
2	A	138.74	-39.20	6.00	328.00	0.00	0.00	0.37	50%			

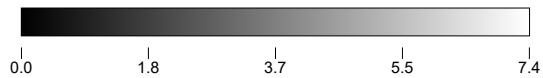
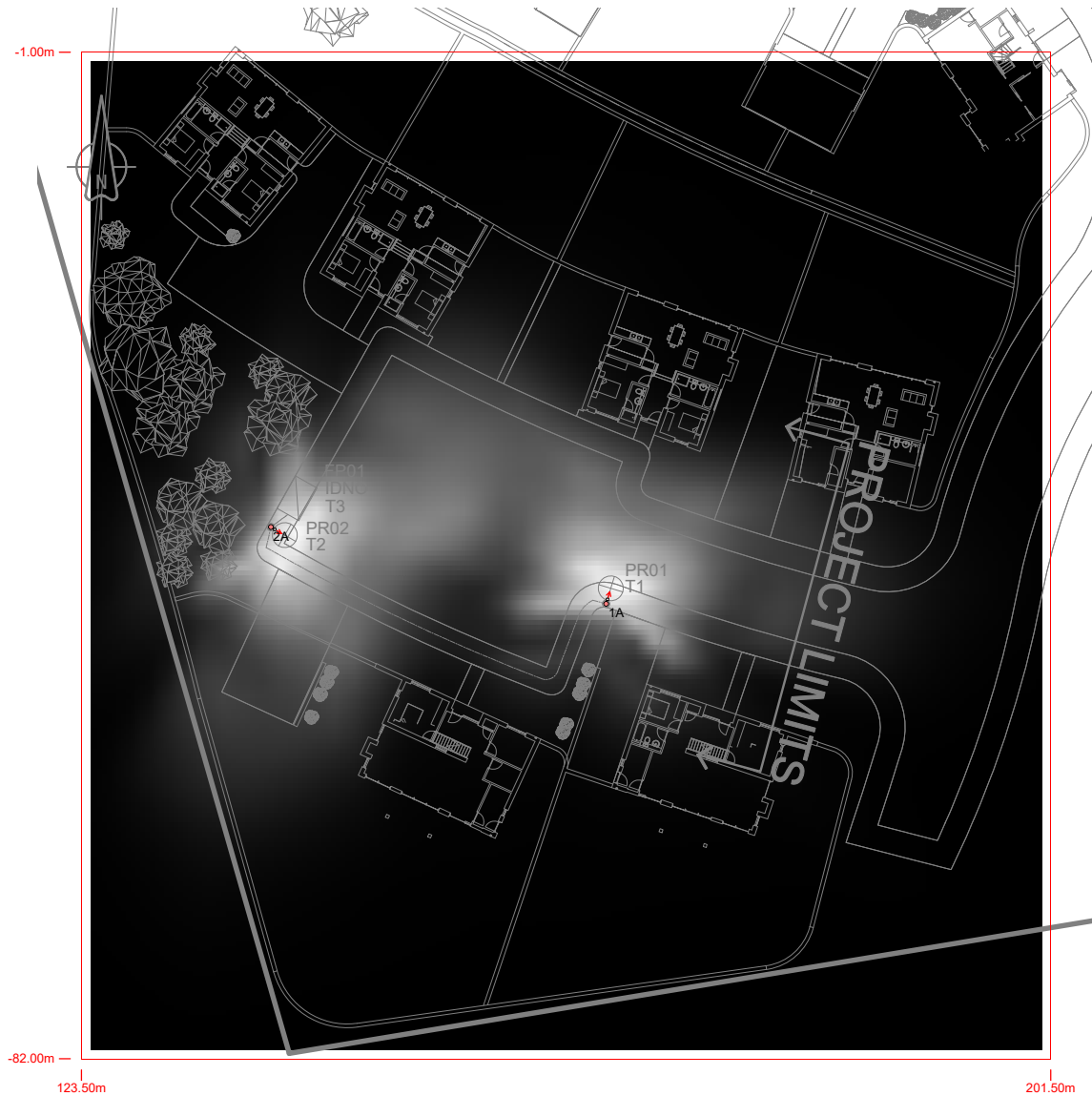
Polar Diagram

Luminaire A VMX.2.LA054.V1.D4D4.W036



Horizontal Illuminance (lux)

Car Park



Results

Eav	2.97
Emin	0.73
E _{max}	7.38
Emin/E _{max}	0.10
Emin/Eav	0.25

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