

DATE: 28 October 2025
DESIGNER: JL
PROJECT No: 26330
PROJECT NAME: South Heywood



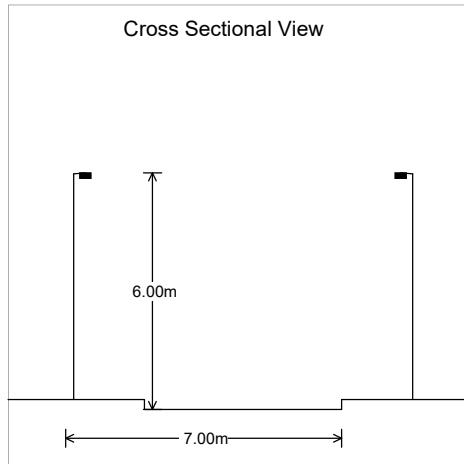
26330-R-11
Staggered
Maximum Spacing - 43.50m

Roadway Lighting Report

PREPARED BY: HDSLighting Ltd
First Avenue
Poynton Industrial estate
Poynton
Cheshire
SK12 1YP

Roadway Report Summary

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	7.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	2.00
Right Footpath(m)	0.00

Main Lighting

Column Data

Configuration	Staggered
Spacing (m)	43.50
Height (m)	6.00
Tilt (deg)	5.00
Left Setback (m)	1.80
Left Outreach (m)	0.30
Left Overhang (m)	-1.50
Right Setback (m)	1.80
Right Outreach (m)	0.30
Right Overhang (m)	-1.50

Luminaire Data

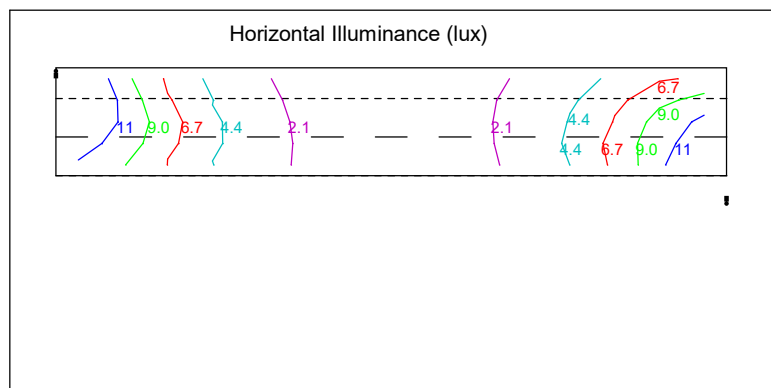
Supplier	
Type	VMXII.1.LA043.V1.F4Q1.W033.D1433
Lamp(s)	LED C.4000 Lumens
Lamp Flux (klm)	4.40
File Name	VMXII.1.LA043.V1.F4Q1.W033.D1433.IES
Maintenance Factor	0.81
Lum. Int. Class	G1

Results

Main

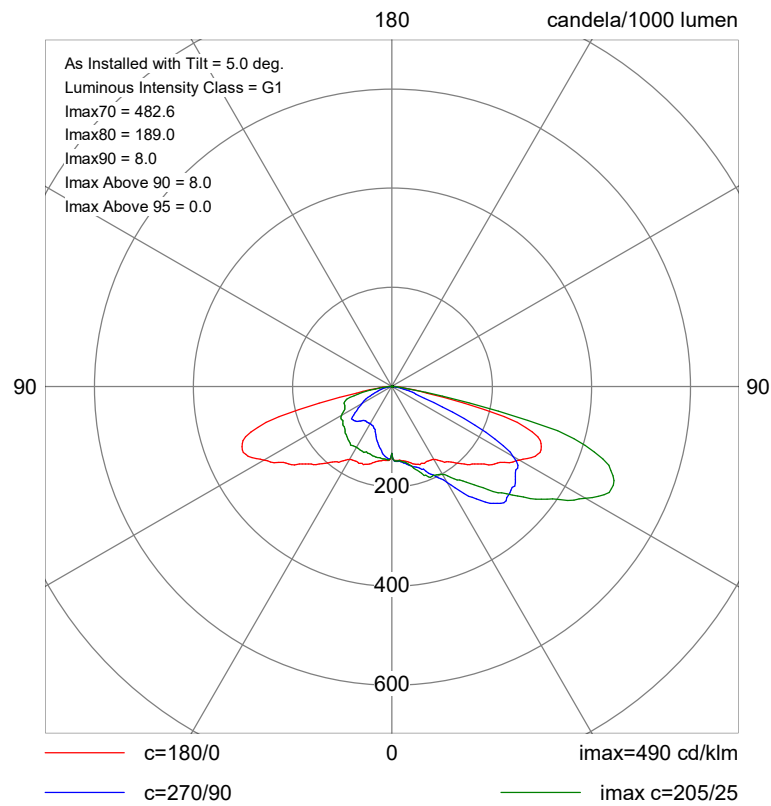
Complies with P4

Eav	5.18
Emin	1.00
Emax	14.65
Emin/Emax	0.07
Emin/Eav	0.19

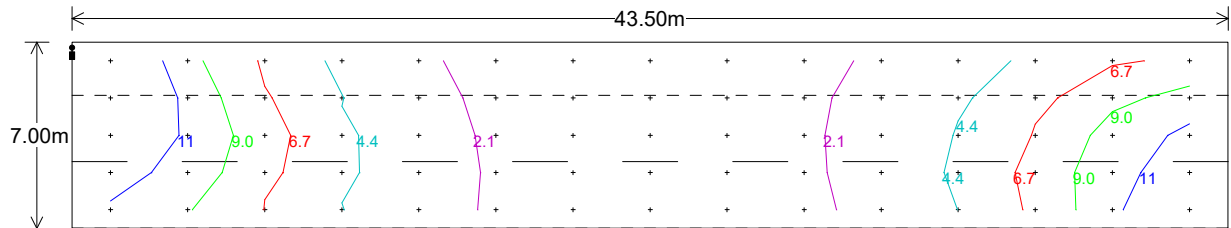


Polar Diagram

Main Luminaire VMXII.1.LA043.V1.F4Q1.W033.D1433



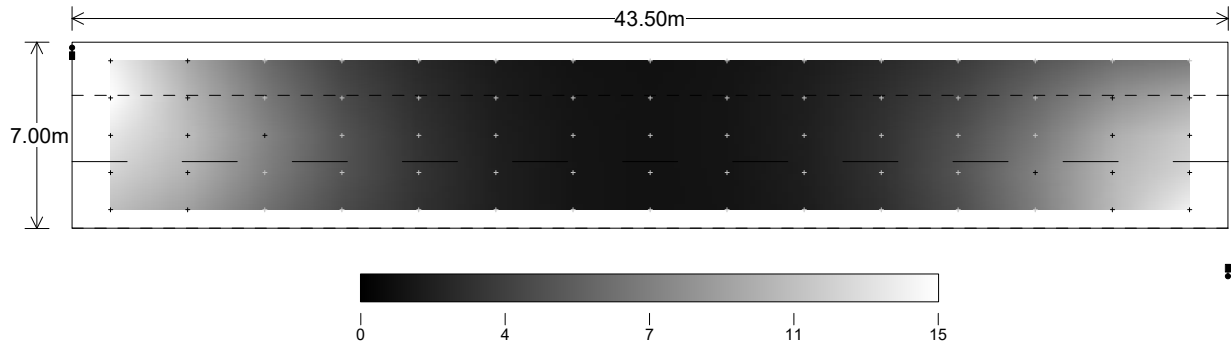
Horizontal Illuminance (lux)



Main Results

Eav	5.18
Emin	1.00
Emax	14.65
Emin/Emax	0.07
Emin/Eav	0.19

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)

7.00m	43.50m														
	+13.8	+9.7	+6.2	+3.8	+2.4	+1.5	+1.1	+1.0	+1.2	+1.6	+2.4	+3.4	+4.9	+6.4	+7.1
	+14.6	+10.4	+6.9	+4.3	+2.6	+1.6	+1.2	+1.0	+1.2	+1.8	+2.7	+4.1	+6.1	+8.4	+9.9
	+13.3	+10.8	+7.6	+4.8	+2.9	+1.7	+1.2	+1.0	+1.2	+1.8	+3.0	+4.6	+7.0	+10.0	+11.8
	+12.1	+10.3	+7.2	+4.8	+3.0	+1.8	+1.2	+1.0	+1.2	+1.8	+2.9	+4.9	+7.5	+10.6	+12.3
	+10.9	+9.2	+6.5	+4.3	+2.9	+1.8	+1.2	+1.0	+1.2	+1.7	+2.7	+4.5	+7.3	+10.8	+14.1

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