

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



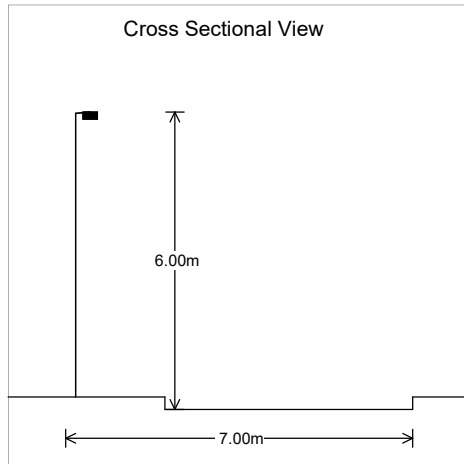
26330-R-10  
Single Sided  
Minimum Spacing - 31.50m

## **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 | Single Sided Left |
| Spacing (m)   | 31.50             |
| Height (m)    | 6.00              |
| Tilt (deg)    | 5.00              |
| Setback (m)   | 1.80              |
| Outreach (m)  | 0.30              |
| Overhang (m)  | -1.50             |

#### Luminaire Data

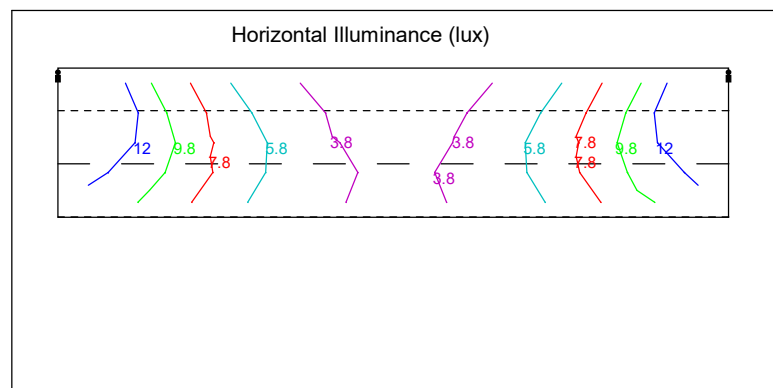
|                    |                                      |
|--------------------|--------------------------------------|
| Supplier           |                                      |
| Type               | VMXII.1.LA043.V1.F4Q1.W033.D1433     |
| Lamp(s)            | LED C.4000 Lumens                    |
| 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

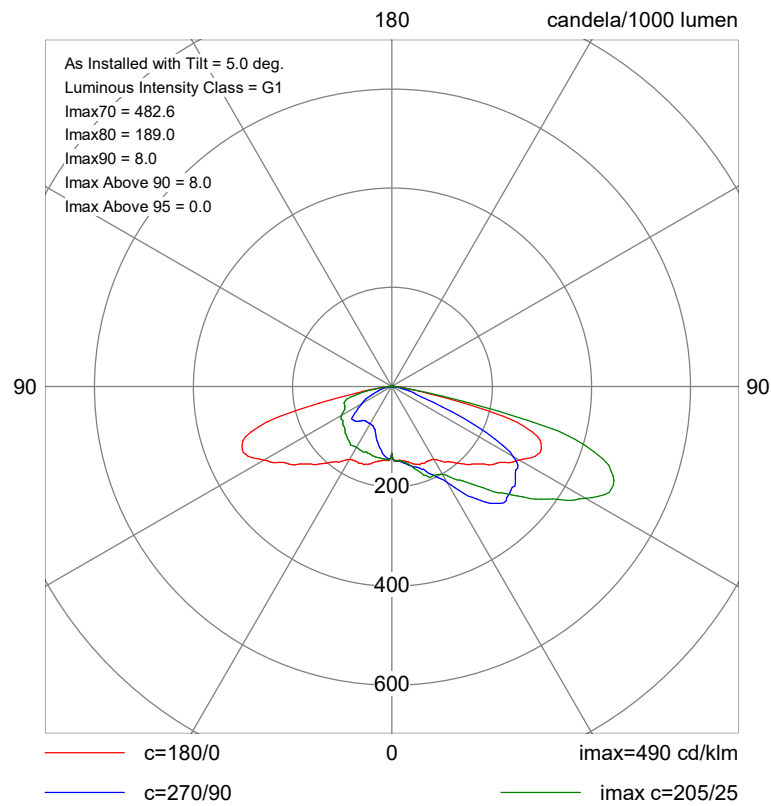
Complies with P4

|                                    |       |
|------------------------------------|-------|
| Eav                                | 7.43  |
| Emin                               | 2.78  |
| E <sub>max</sub>                   | 14.73 |
| E <sub>min</sub> /E <sub>max</sub> | 0.19  |
| E <sub>min</sub> /E <sub>av</sub>  | 0.37  |

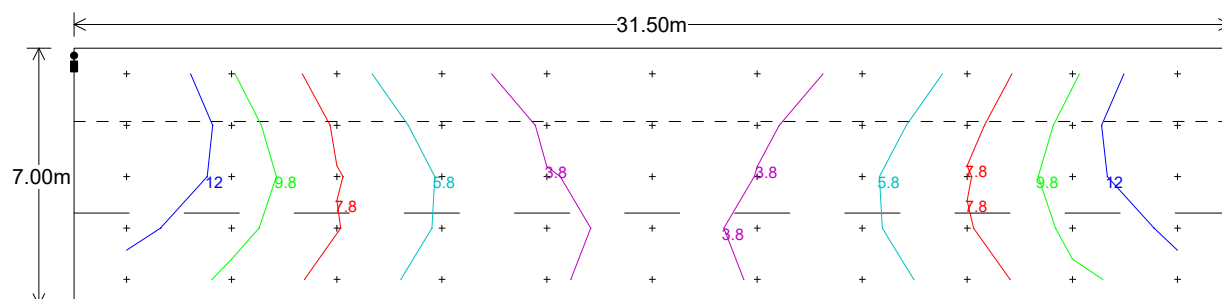


## Polar Diagram

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



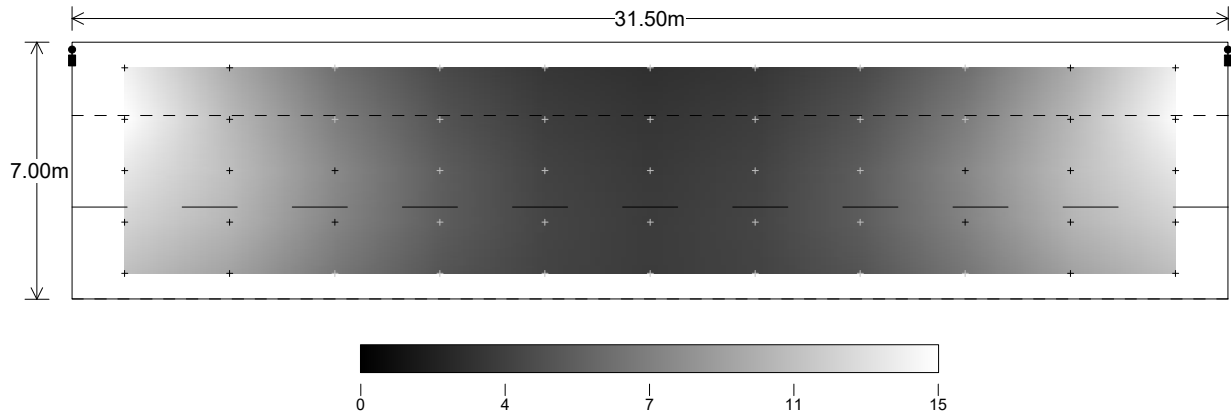
## Horizontal Illuminance (lux)



### Main Results

|                                    |       |
|------------------------------------|-------|
| Eav                                | 7.43  |
| Emin                               | 2.78  |
| E <sub>max</sub>                   | 14.73 |
| E <sub>min</sub> /E <sub>max</sub> | 0.19  |
| E <sub>min</sub> /E <sub>av</sub>  | 0.37  |

## Horizontal Illuminance (lux)



## Horizontal Illuminance (lux)

