

# VOLTANA EVO 1

## 5270

|                  |                             |
|------------------|-----------------------------|
| <b>Optic</b>     | 5270                        |
| <b>Protector</b> | Integrated lenses           |
| <b>Source</b>    | 8 Osram OSOLON SQUARE GIANT |
| <b>Matrix</b>    | 481232                      |



### Characteristics

|             |            |             |             |                  |                    |                   |                       |
|-------------|------------|-------------|-------------|------------------|--------------------|-------------------|-----------------------|
|             |            |             |             |                  |                    |                   |                       |
| 416         | 170        | 104         | 2.8         | IP 66            | IK 10              | I EU, II EU       | 0.013                 |
| Length (mm) | Width (mm) | Height (mm) | Weight (kg) | Tightness level* | Impact resistance* | Electrical class* | CxS (m <sup>2</sup> ) |

\* According to IEC-EN60598 and IEC-EN62262

### Features

The compact, cost-effective LED solution for your urban spaces

- Cost-effective and efficient lighting solution for a fast return on investment
- Compact design
- ProFlex™ photometric engines offering high efficiency lighting, comfort and safety
- Adjustable inclination on-site
- Side-entry and post-top (with accessory) mounting

### Types of application

- Square and park
- Car park
- Bike path
- Urban road

### Information for 1000 lm matrix

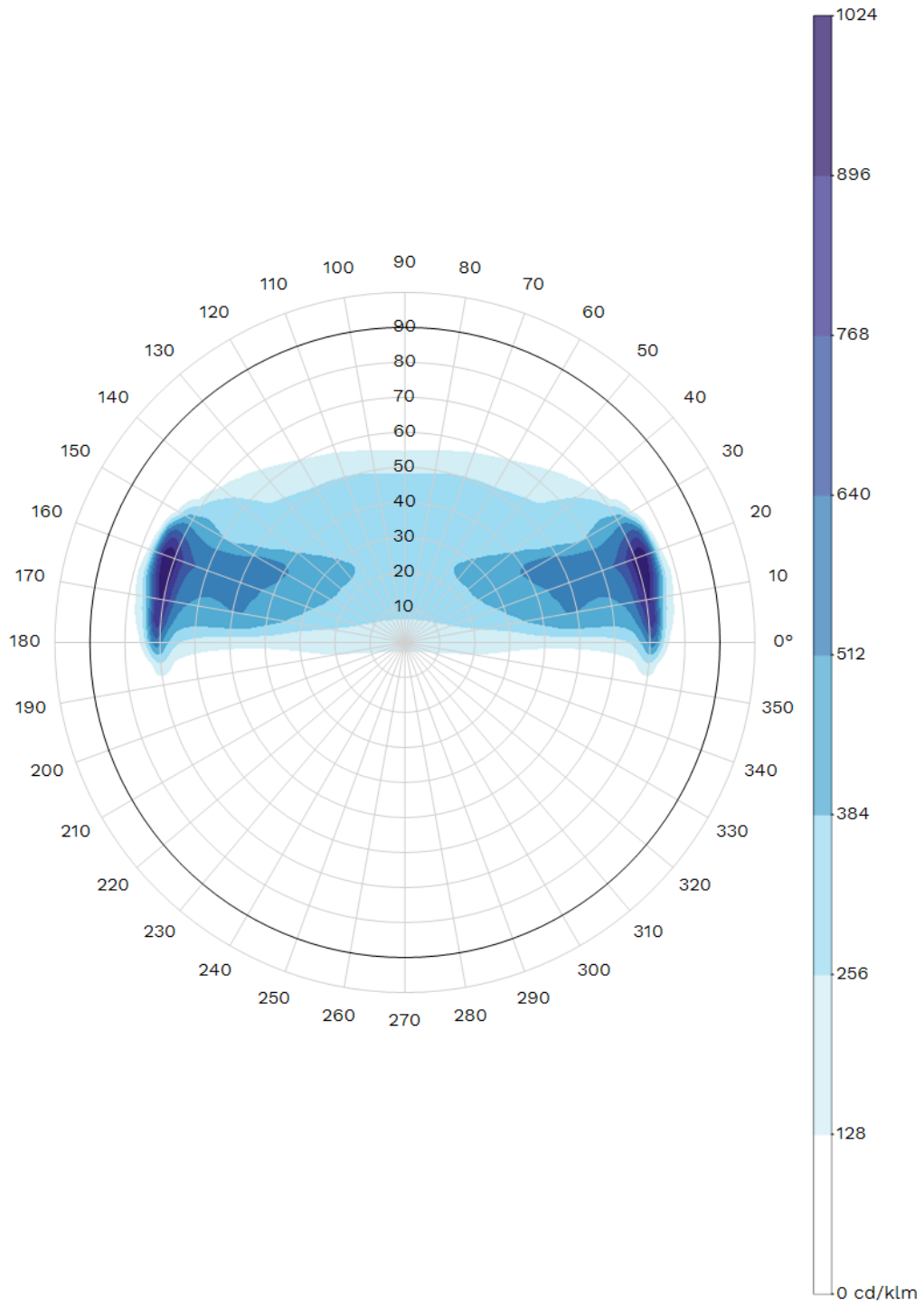
|                     |         |                             |         |                                |                                   |
|---------------------|---------|-----------------------------|---------|--------------------------------|-----------------------------------|
| <b>Efficacy (%)</b> | 90.7    | <b>G Class (EN 13201-2)</b> | G3      | <b>I 70-80-90-95 (cd)</b>      | 963 - 83 - X - X                  |
| <b>DLOR (%)</b>     | 90.7    | <b>G* (EN 13201 2015)</b>   | G*3     | <b>CIE flux code N 1→5 (%)</b> | 35.7 - 70.2 - 97.2 - 100.0 - 90.7 |
| <b>ULOR (%)</b>     | 0.0     | <b>Imax (cd)</b>            | 1024    | <b>Gradient 90°</b>            | 24cd                              |
| <b>ULR (%)</b>      | 0.0     | <b>Aperture 0-180°</b>      | 69 - 69 | <b>Gradient 270°</b>           | 13cd                              |
| <b>Incl ULR 4%</b>  | -41/34° | <b>Aperture 90-270°</b>     | X - X   |                                |                                   |

## Photometrical characteristics

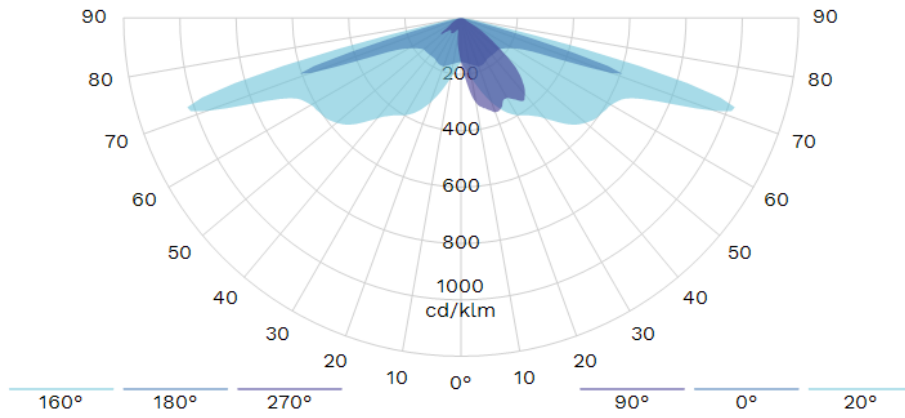
| LED count          | Colour code | Current (mA) | Luminaire power (W) | Source flux (lm) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) | Peak (cd) | BUG Rating | Voltage (V) |
|--------------------|-------------|--------------|---------------------|------------------|----------------------------|---------------------------|-----------|------------|-------------|
| Ambient temp = 25° |             |              |                     |                  |                            |                           |           |            |             |
| 8                  | NW 740      | 200          | 6                   | 930              | 843                        | 141                       | 952       | B0 U0 G0   | 230         |
| 8                  | NW 740      | 350          | 10                  | 1552             | 1408                       | 141                       | 1589      | B0 U0 G0   | 230         |
| 8                  | NW 740      | 500          | 13                  | 2128             | 1930                       | 148                       | 2178      | B0 U0 G0   | 230         |
| 8                  | NW 740      | 700          | 18                  | 2828             | 2565                       | 143                       | 2895      | B1 U0 G1   | 230         |
| 8                  | NW 740      | 1050         | 28                  | 3858             | 3500                       | 125                       | 3950      | B1 U0 G1   | 230         |
| 8                  | NW 740      | 1250         | 36                  | 4336             | 3934                       | 109                       | 4440      | B1 U0 G1   | 230         |
| 8                  | NW 740      | 1400         | 40                  | 4644             | 4213                       | 105                       | 4754      | B1 U0 G1   | 230         |
| 8                  | WW 730      | 200          | 6                   | 819              | 743                        | 124                       | 839       | B0 U0 G0   | 230         |
| 8                  | WW 730      | 350          | 10                  | 1368             | 1241                       | 124                       | 1401      | B0 U0 G0   | 230         |
| 8                  | WW 730      | 500          | 13                  | 1876             | 1702                       | 131                       | 1920      | B0 U0 G0   | 230         |
| 8                  | WW 730      | 700          | 18                  | 2492             | 2261                       | 126                       | 2552      | B1 U0 G1   | 230         |
| 8                  | WW 730      | 1050         | 28                  | 3401             | 3085                       | 110                       | 3482      | B1 U0 G1   | 230         |
| 8                  | WW 730      | 1250         | 36                  | 3822             | 3468                       | 96                        | 3913      | B1 U0 G1   | 230         |
| 8                  | WW 730      | 1400         | 40                  | 4093             | 3713                       | 93                        | 4191      | B1 U0 G1   | 230         |

*Tolerance on flux +- 7% - Tolerance on power +- 5%*

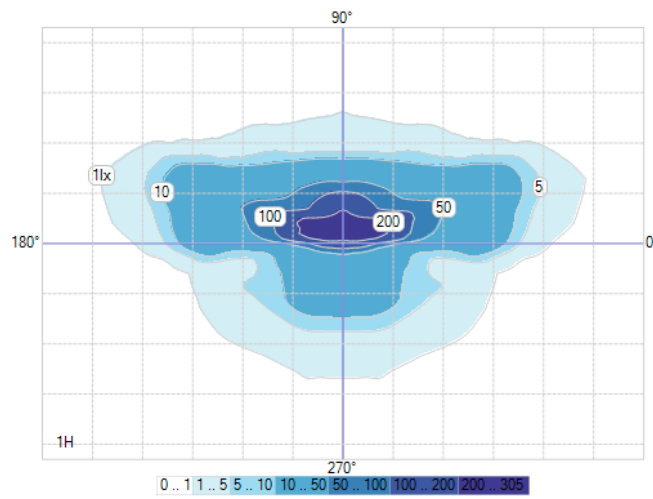
Hypergon view



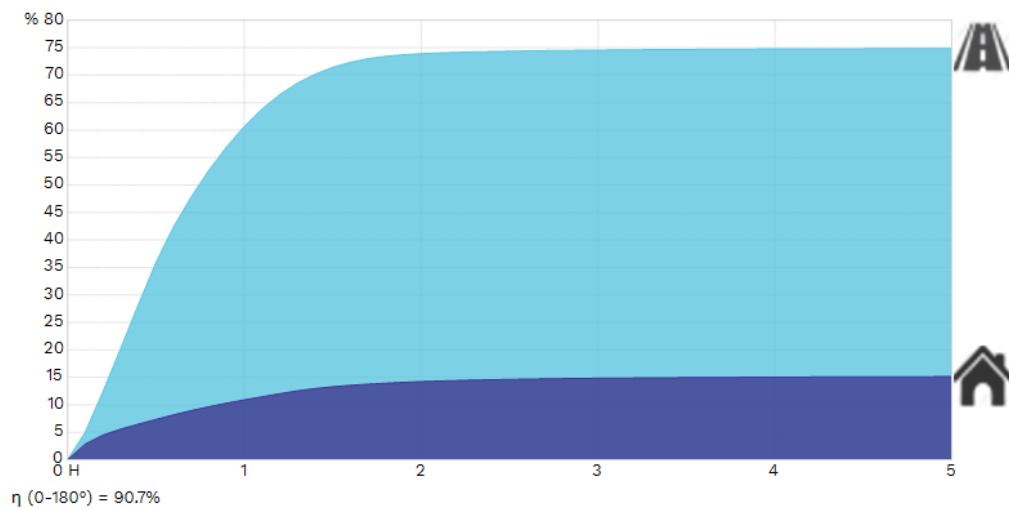
Polar/Cartesian diagram



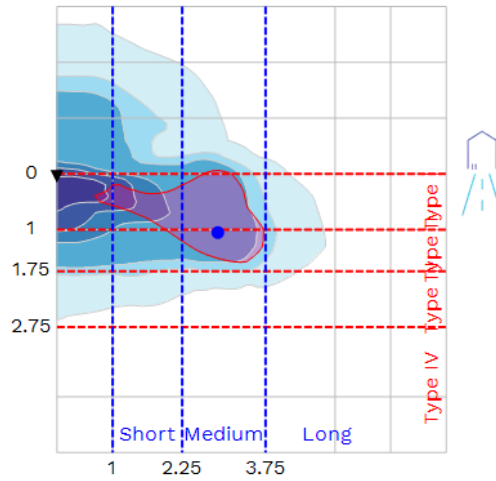
Isolux



K-Curve

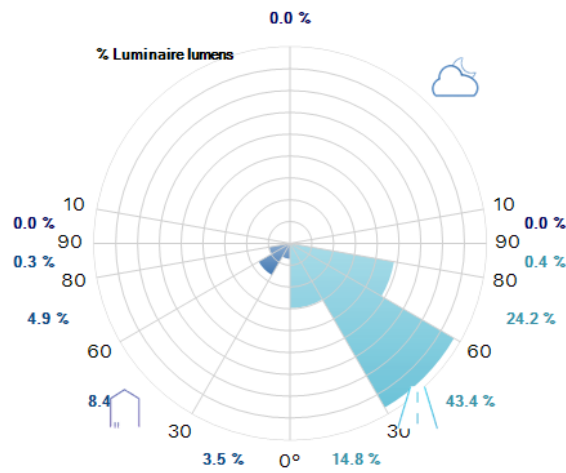


IES Roadway Classification / Nema Classification

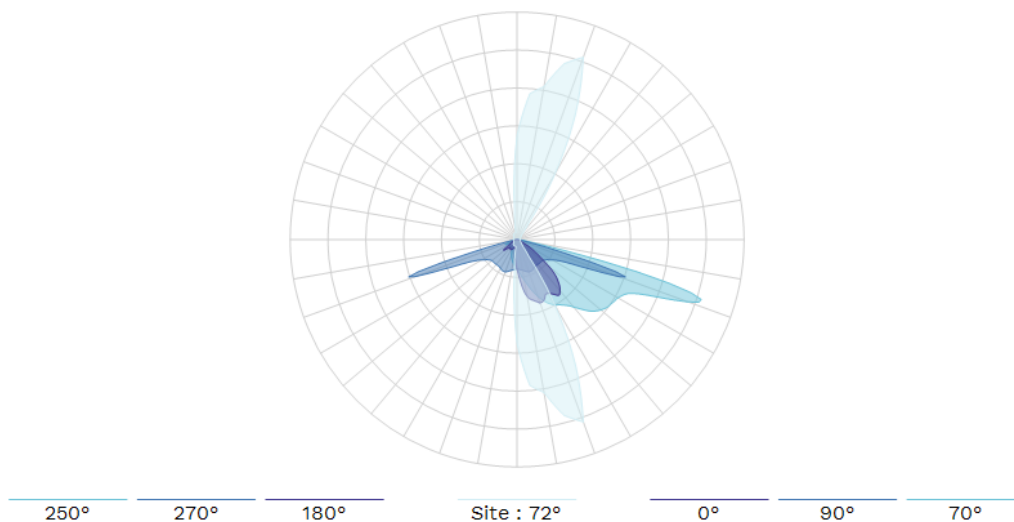


II - Medium

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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