

# ME3a Street<sup>1)</sup> – Application Case

## Application requirements

Target application:	Street
Street setup:	W 7m; 2 lanes; Tarmac R2
Luminaire setup:	8m High; 35m distance; -0.5m overhang; no arm
Applicable Specifications:	EN 13201; ME3a

## C11918\_Strada-T-6x1-DNW<sup>2)</sup>

Designed for street lighting

- Asymmetric light distribution
- Wide batwing light distribution
- Good longitudinal uniformity control
- Low glare

Optimal mechanical design

- Environmental sealing possible
- Multi-lens module
- Low profile lenses

Over 90% optical efficiency

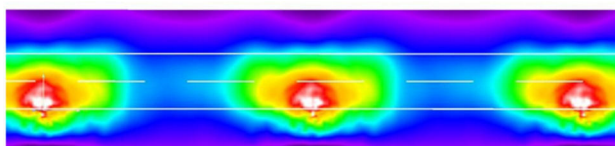
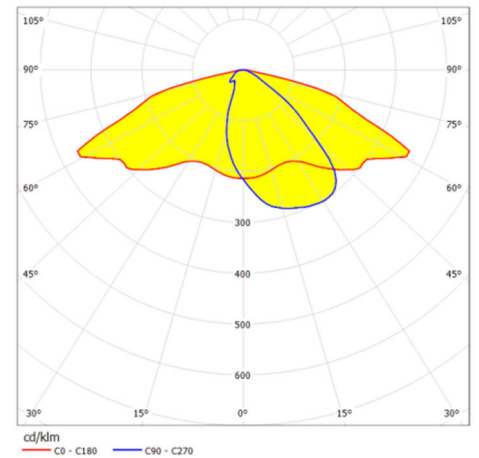
- Optical grade PMMA lens
- Extra glass cover not needed



## Results with example lens

LED output per luminaire: 7,000 lumen

ME3a requirements passed with given luminaire setup



0	3.75	7.50	11.25	15	18.75	22.50	26.25	30
$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR				
1.0	0.6	0.7	11	0.6				
≥ 1.0	≥ 0.4	≥ 0.7	≤ 15	≥ 0.5				
✓	✓	✓	✓	✓				

1) ME3a Street refers to a street lighting setup designed to pass ME3a requirements on EN 13201 standard.

2) Lens specified in the example is not the only solution for specified application. LEDIL offers other lenses also suitable for the application.