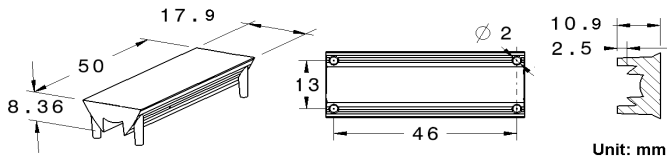


## FEATURES AND PATTERN

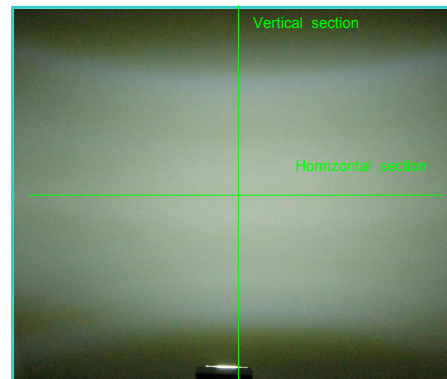
[www.dbmlighting.com](http://www.dbmlighting.com)

### RECTANGULAR LENS - 30° HALF ANGLE - Part number C-001

Lens Reference	DBM17A-30F-L100W-1
Tested with LED	Citizen Orion CL-L100 Cool White
LED Flux vendor data	245 Lumens at 350 mA and Ta=25°C
HAD*	30 deg
Curve Type	FLAT
Lens Material	PMMA HT
Operating temperature	-40°C+110°C



\*HAD = Half Angle Divergence



## OPTICAL EFFICIENCY

LED Flux\*: 210 Lumens

Collected Flux\*: 193 lumens

Collection Efficiency : 92%

\*Ta=25°C, 350mA, Captured view: (-90°;+90°) horizontal and vertical. Measurements of the Led and Led+Lens done in the same conditions.

## OUTPUT DISTRIBUTION

-Driving Current: 350 mA

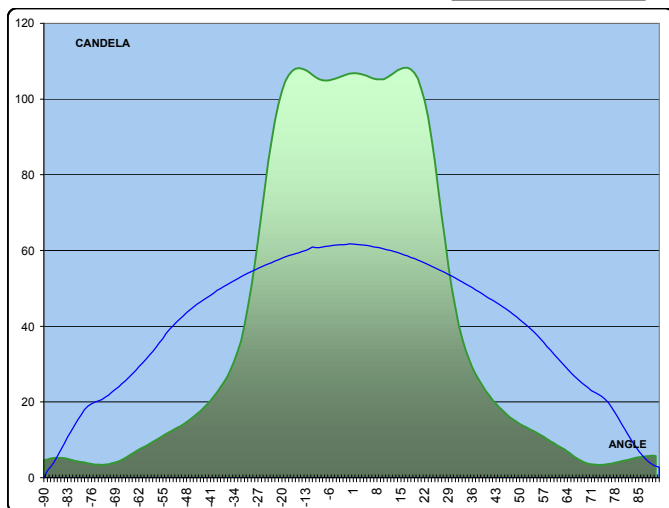
-LED without lens:

-Ta= 25°C

-LED + LENS:

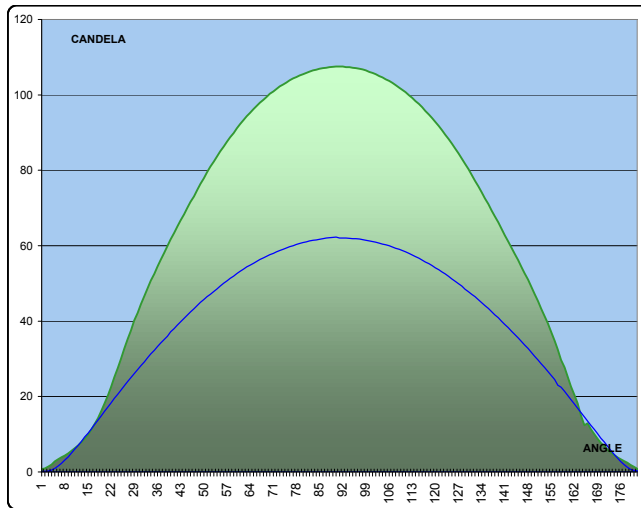
### VERTICAL DISTRIBUTION

CARTESIAN GRAPHIC



### HORIZONTAL DISTRIBUTION

CARTESIAN GRAPHIC



## ILLUMINANCE

LED + LENS lab measurement

-Driving Current: 350 mA

-Ta= 25°C

### IN AXIS ILLUMINANCE VALUES AT VARIOUS DISTANCES

RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	107 Lux	27 Lux	12 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	1.6 X		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[DBM Optix:](#)

[C-001](#)