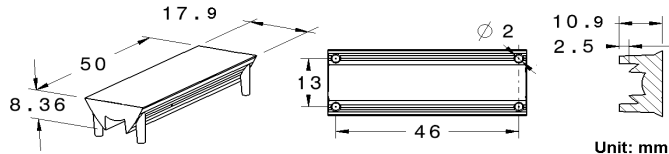
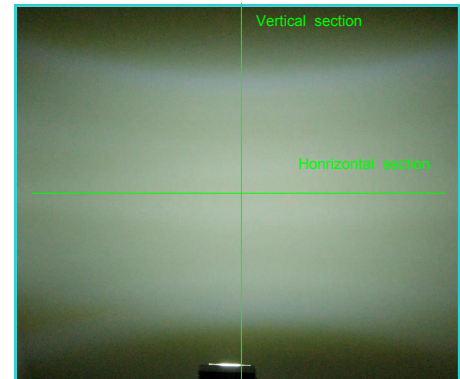


**RECTANGULAR LENS - 30° HALF ANGLE - Part number C-001**

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**

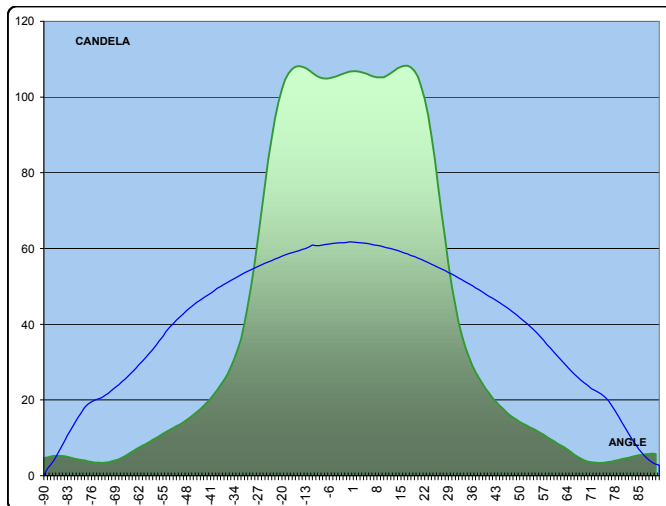
-Driving Current: 350 mA

 -LED without lens: 

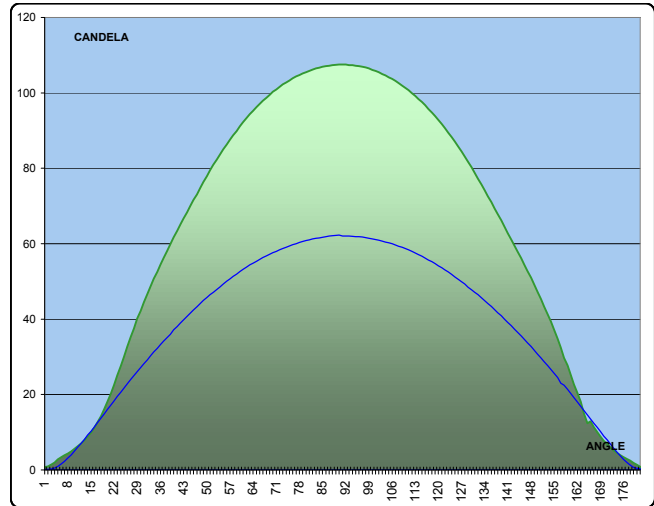
-Ta= 25°C

 -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	<b>1.6 X</b>		