

## LM1 LENSES FOR CREE MC-E LEDs



- Specially designed for Cree MC-E series of LEDs.
- Special care taken to make a uniform white or warm white illumination
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- Holder material PC with high UV and temperature resistance (120°C/248°F). Allows use of high current and temperature conditions.
- Best available optical efficiency, more than 90%, with an extremely good cutoff of light
- Integrated holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf))

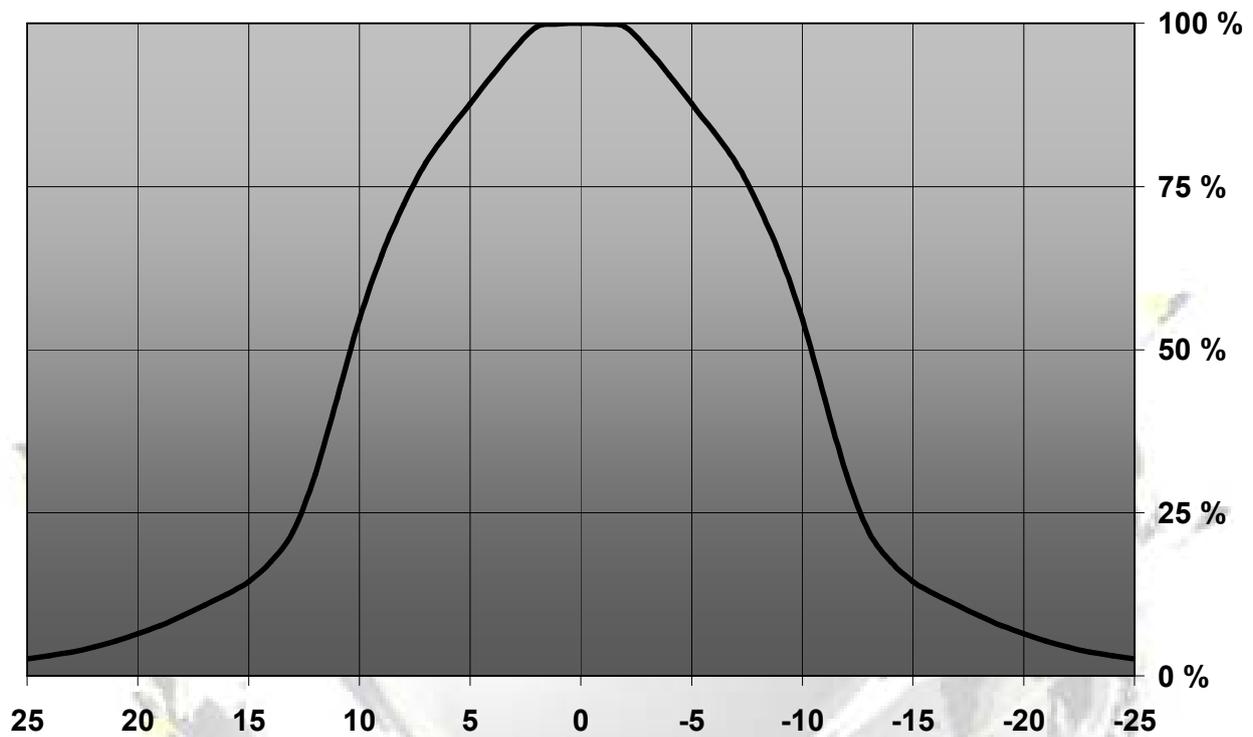
## LENS TYPES

NAME	ORDERING CODE	FWHM Angle
LM1 REAL SPOT	FA10613_LM1-RS	±10.5°
LM1 DIFFUSER	FA10650_LM1-D	±10°
LM1 MEDIUM	FA10614_LM1-M	±12°
LM1 MEDIUM 2	FA11447_LM1-M2	~±13°
LM1 OVAL	FA11067_LM1-O-90	~±18° x ±10°
LM1 RECTANGULAR	FA10615_LM1-REC	±19° x ±12°
LM1 WIDE	FA11894_LM1-W	±14°
LM1 WW	FA11827_LM1-WW	±16°

~ =Simulated values

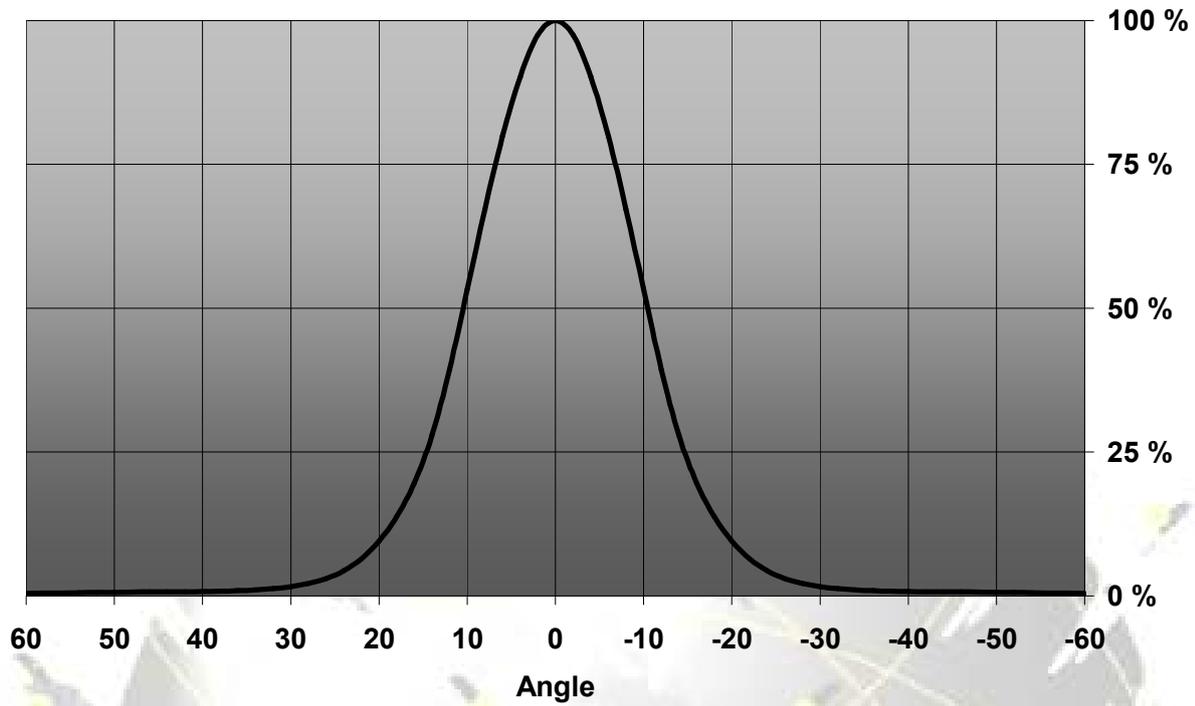
## MEASUREMENT DATA

Relative Intensity of FA10613\_LM1-RS

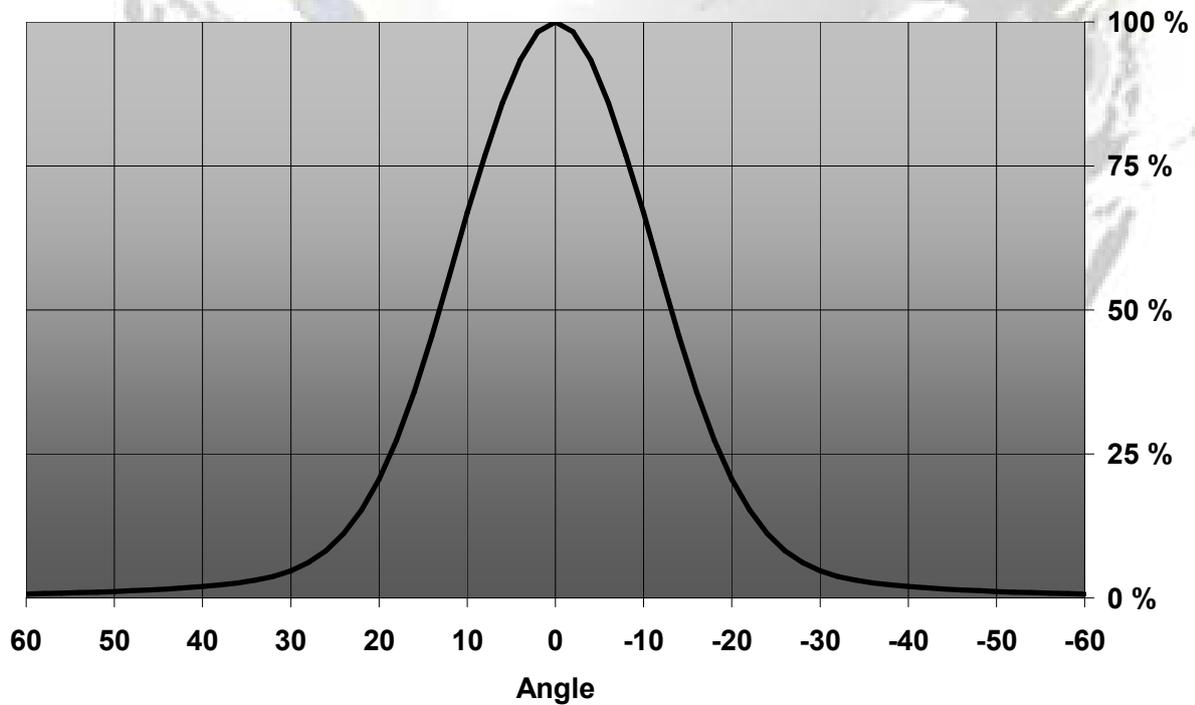


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Relative Intensity of LM1-D

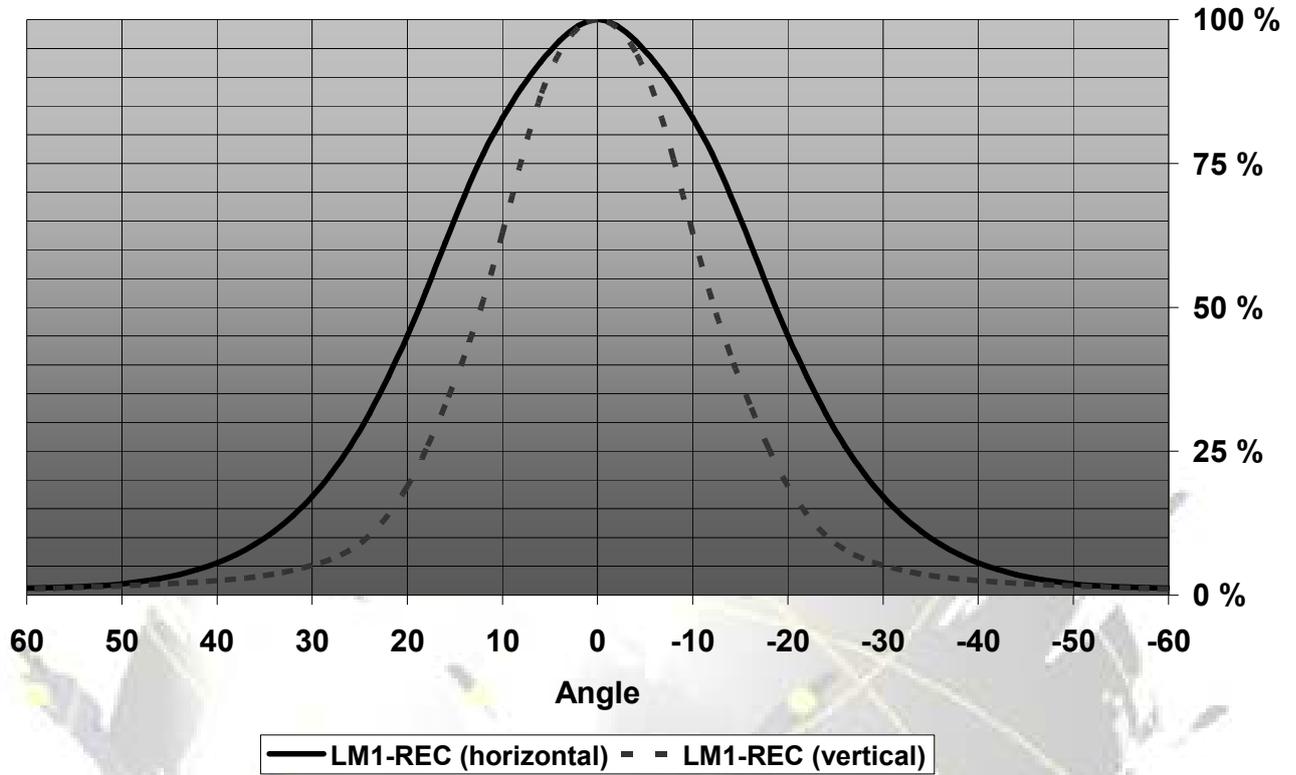


Relative Intensity of LM1-M

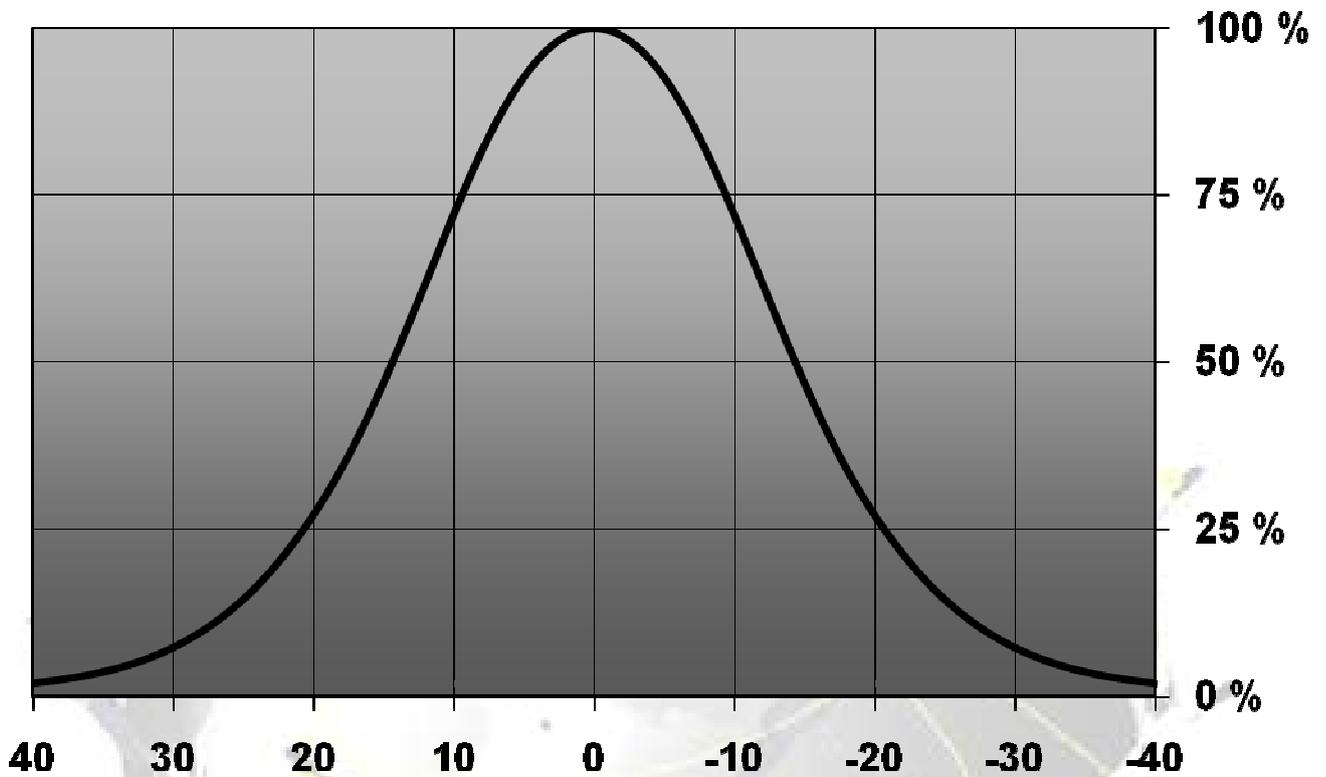


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## Relative Intensity of LM1-REC

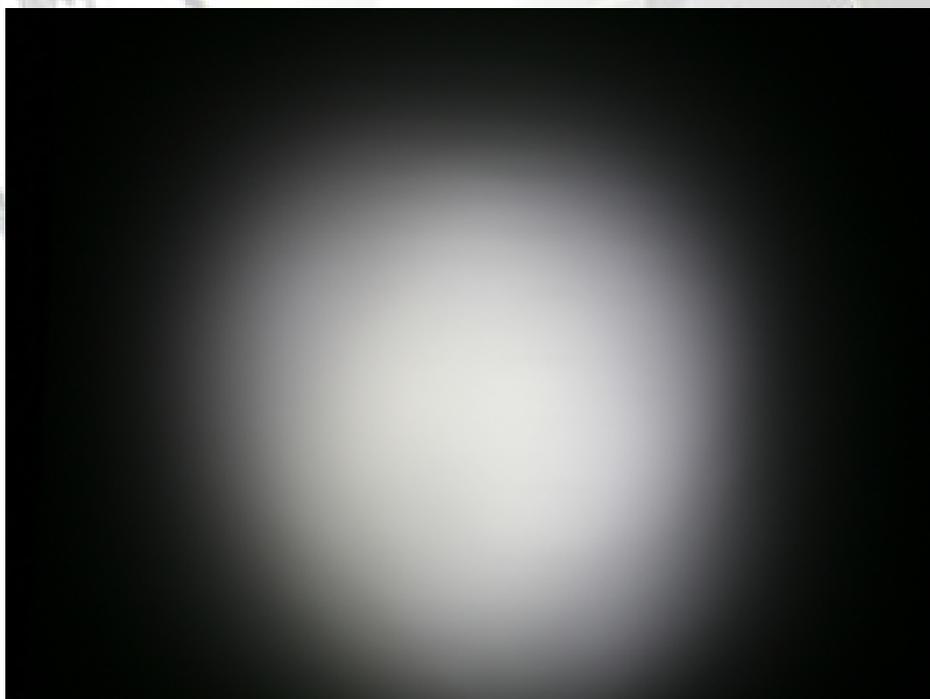
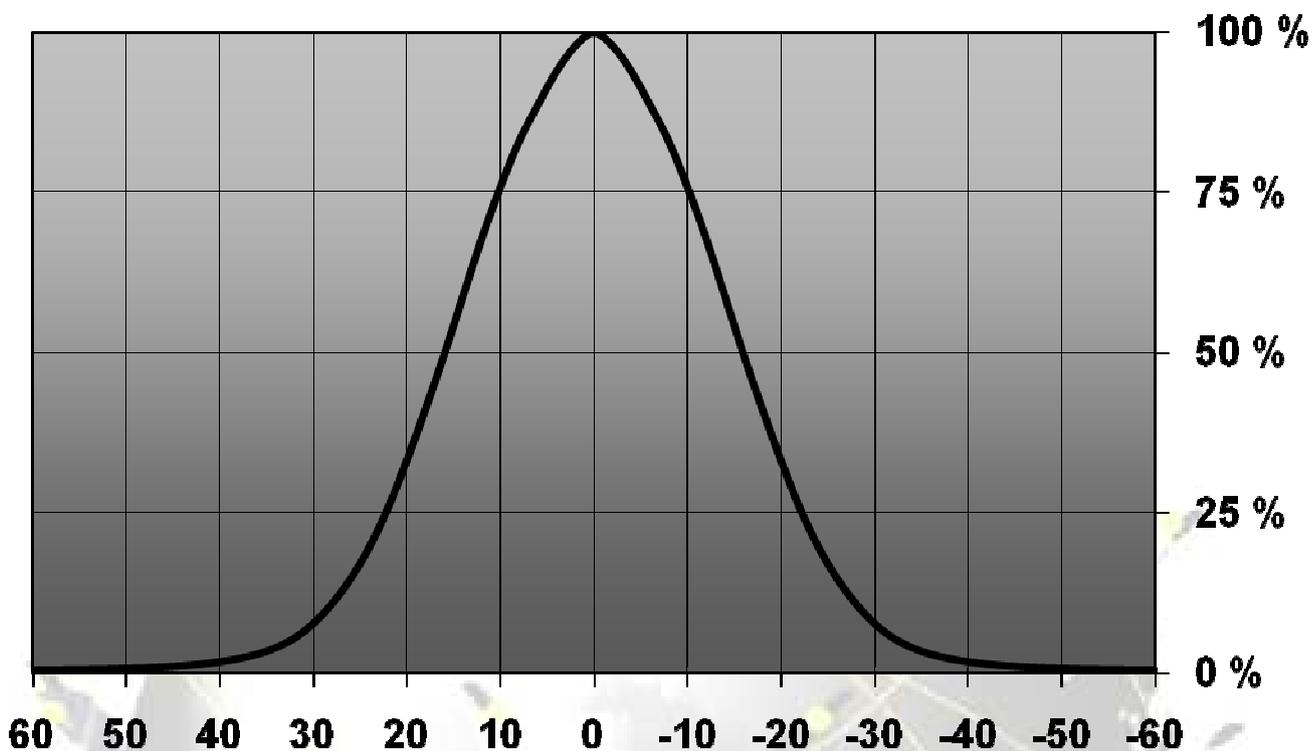


## Relative Intensity of FA11894\_LM1-W



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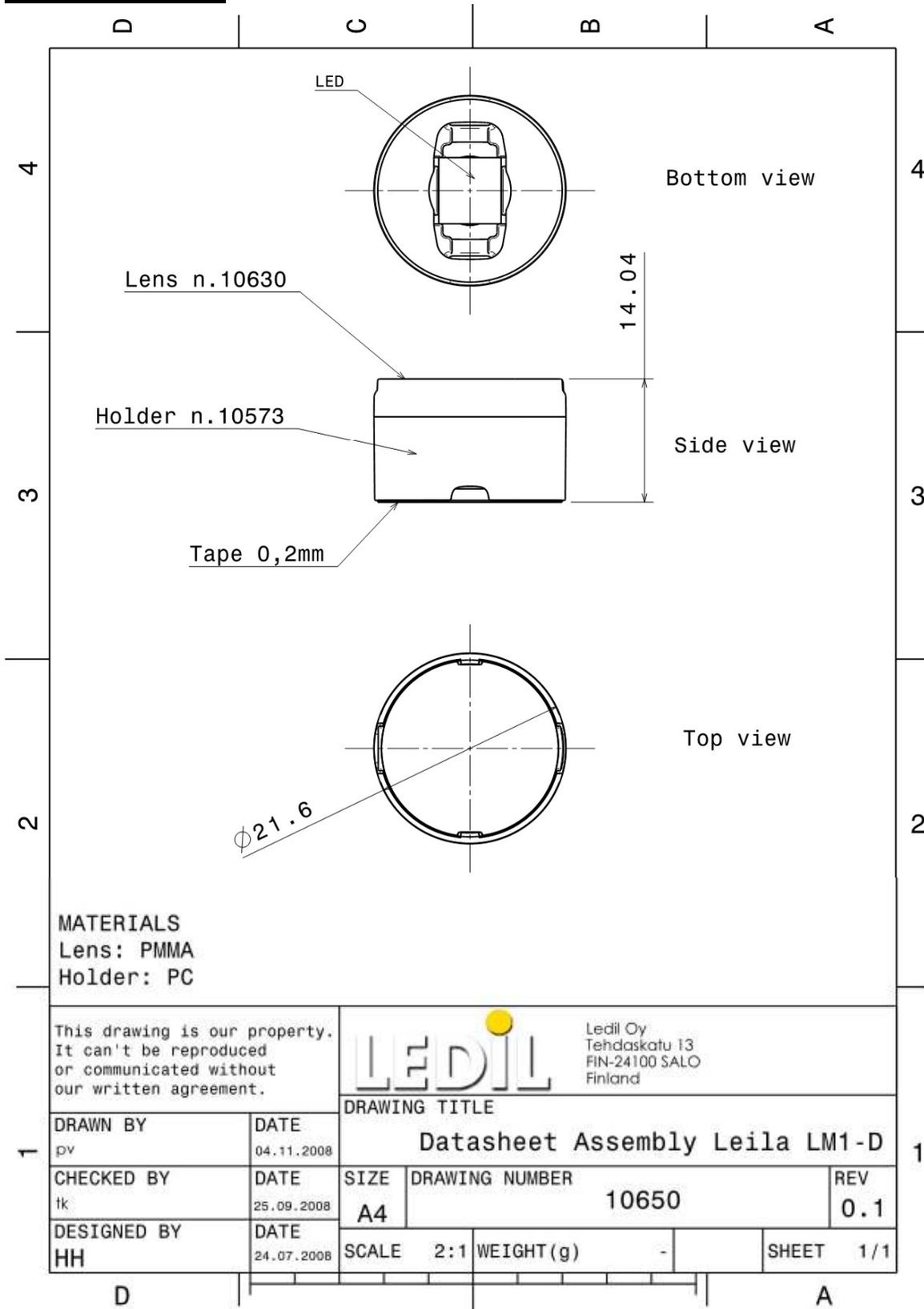
## Relative intensity of FA10615\_LM1-WW



EULUMDAT & IES FILES AVAILABLE BY REQUEST

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## DRAWINGS



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