

## DETAILS

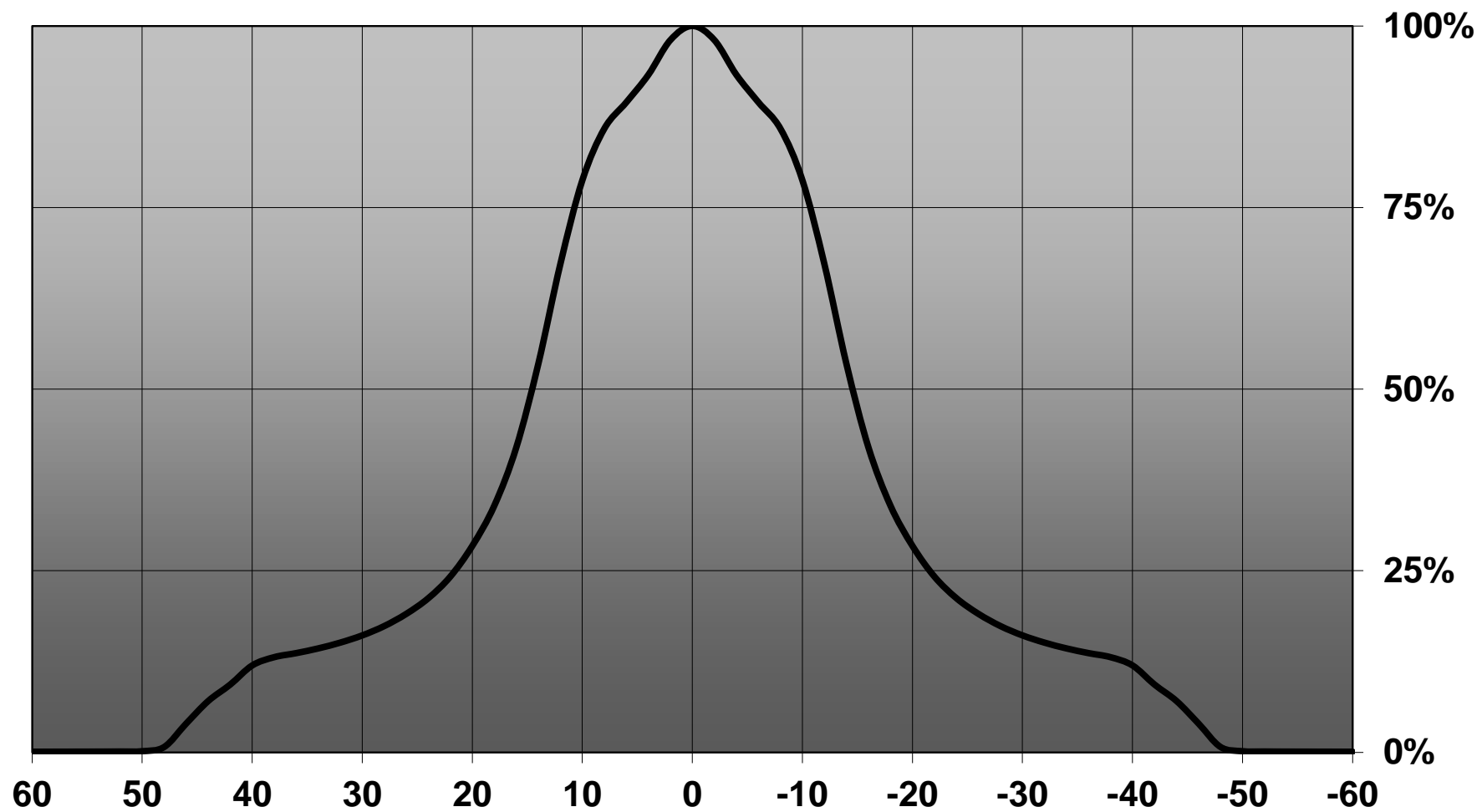
Product Number	C11862_MINNIE-W
Family	Minnie
Type	Reflector
Color	metal
Diameter	32.4 mm
Height	14.75 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue
Status	ready
ROHS Compliant	Yes
Date Updated	15/04/2015



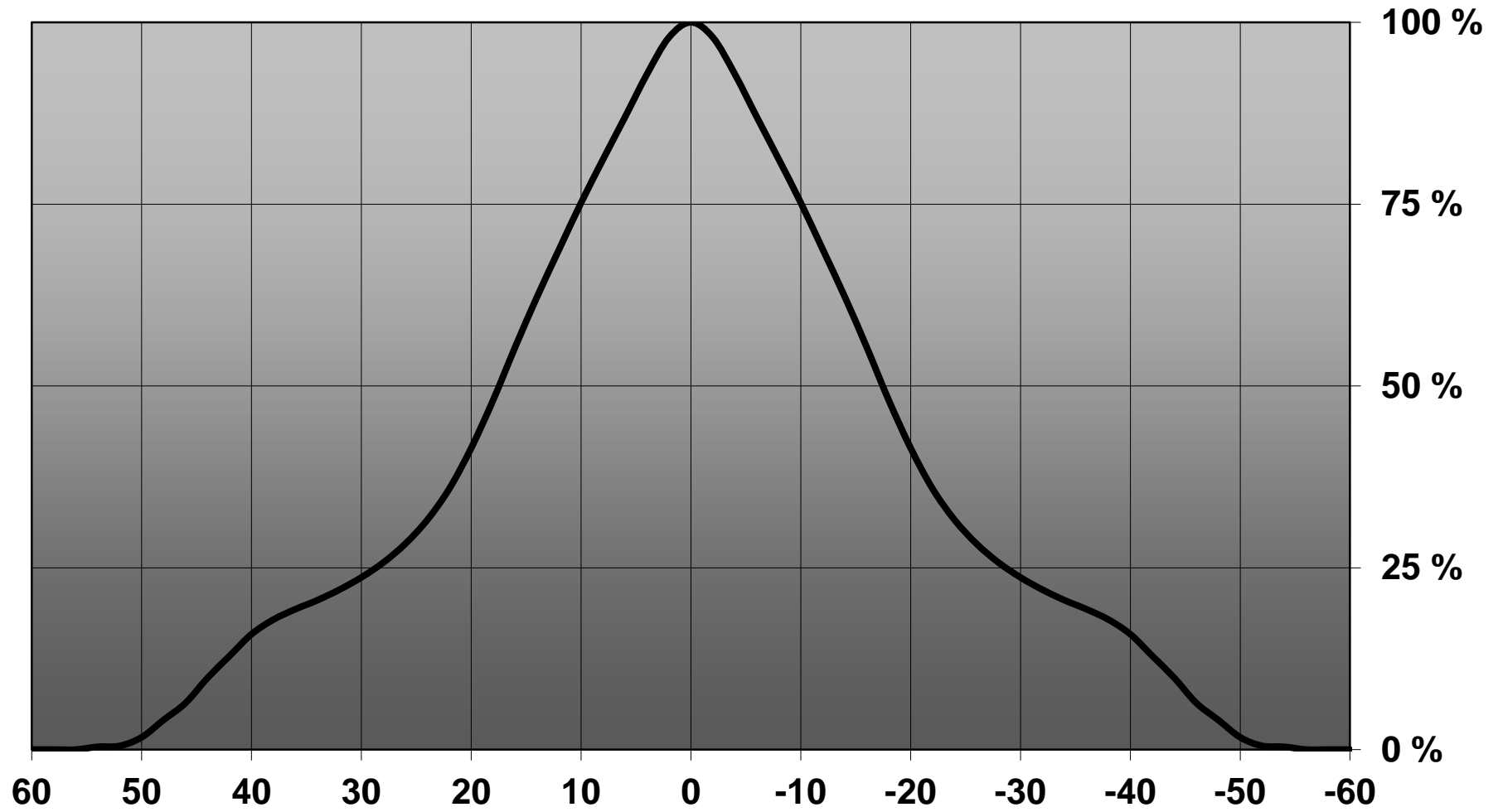
## OPTICAL PROPERTIES

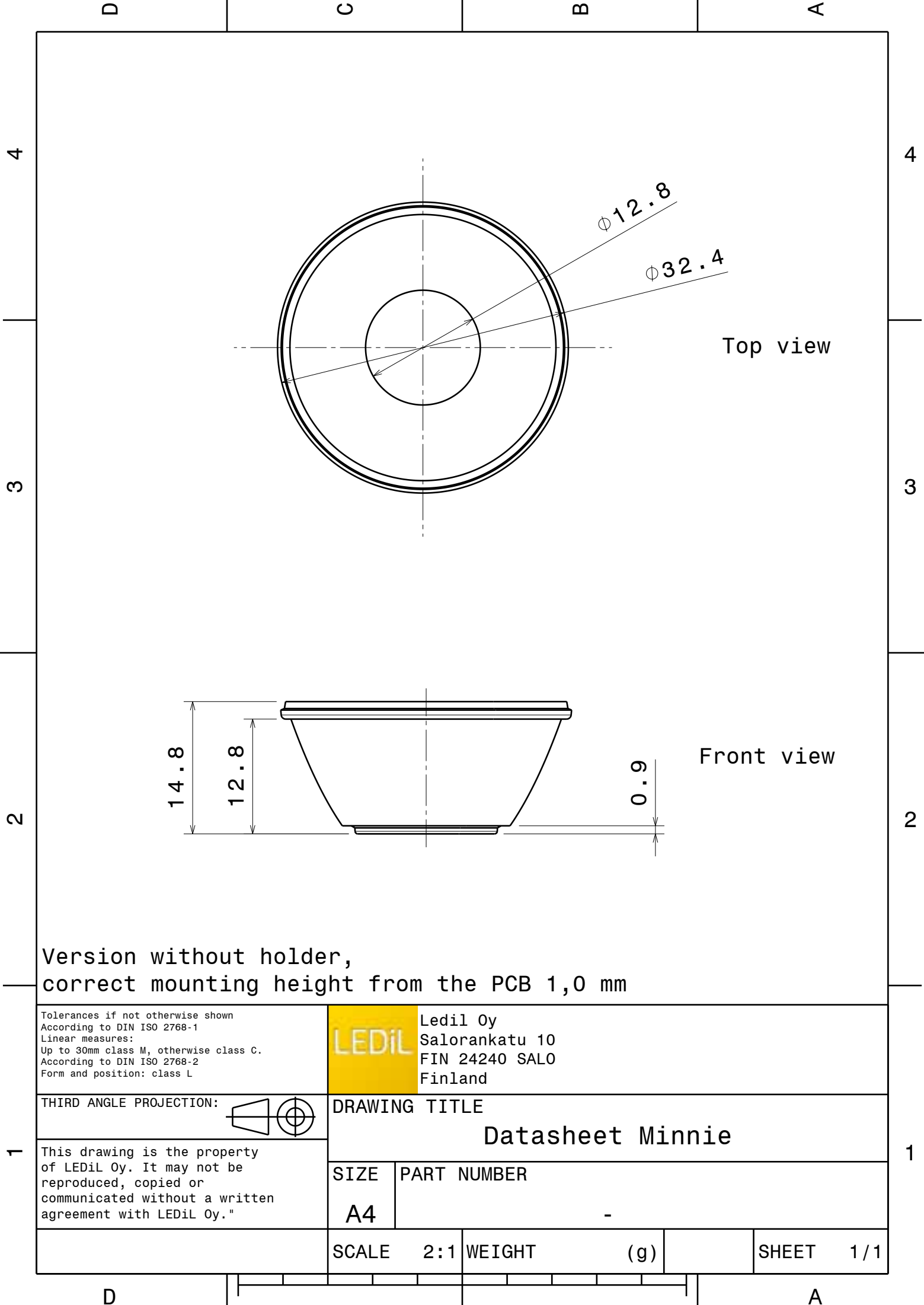
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Luxeon 5258	sim: 28	Wide	sim: 92 %	sim: 2.800	-
MHD	22 deg	Wide	82 %	2.100	-
LUXEON MZ	25 deg	Wide	87 %	2.600	-
LUXEON M	29 deg	Wide	92 %	2.065	-
XHP70	32 deg	Wide	89 %	1.800	-
MT-G2	36 deg	Wide	92 %	sim: 0.000	-
NSMx286M	36 deg	Wide	89 %	1.710	-
MT-G	36 deg	Wide	92 %	sim: 0.000	-

Relative intensity of C11862\_MINNIE-W (Luxeon M)



# Relative intensity of Minnie-W-MTG



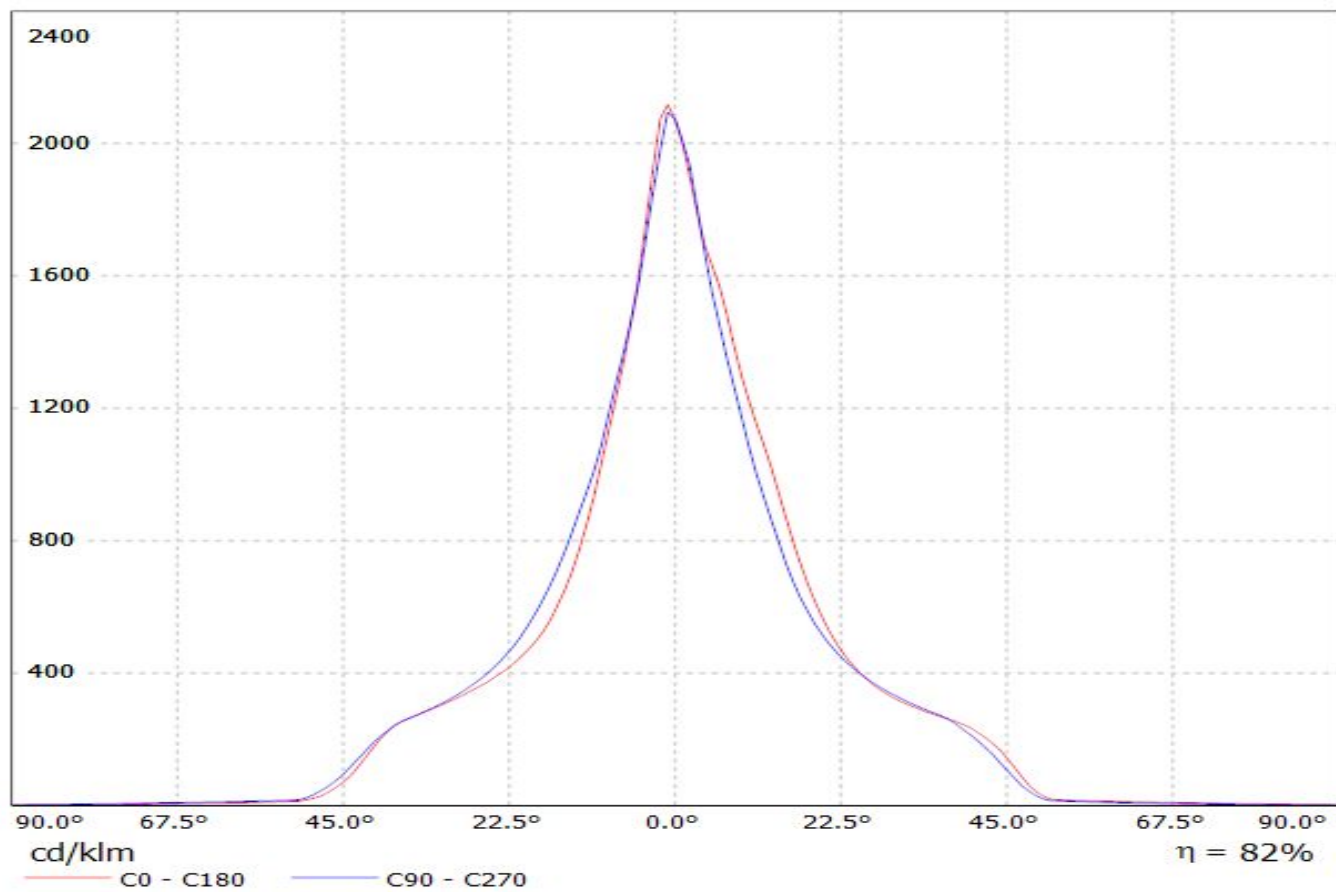


Version without holder,  
correct mounting height from the PCB 1,0 mm

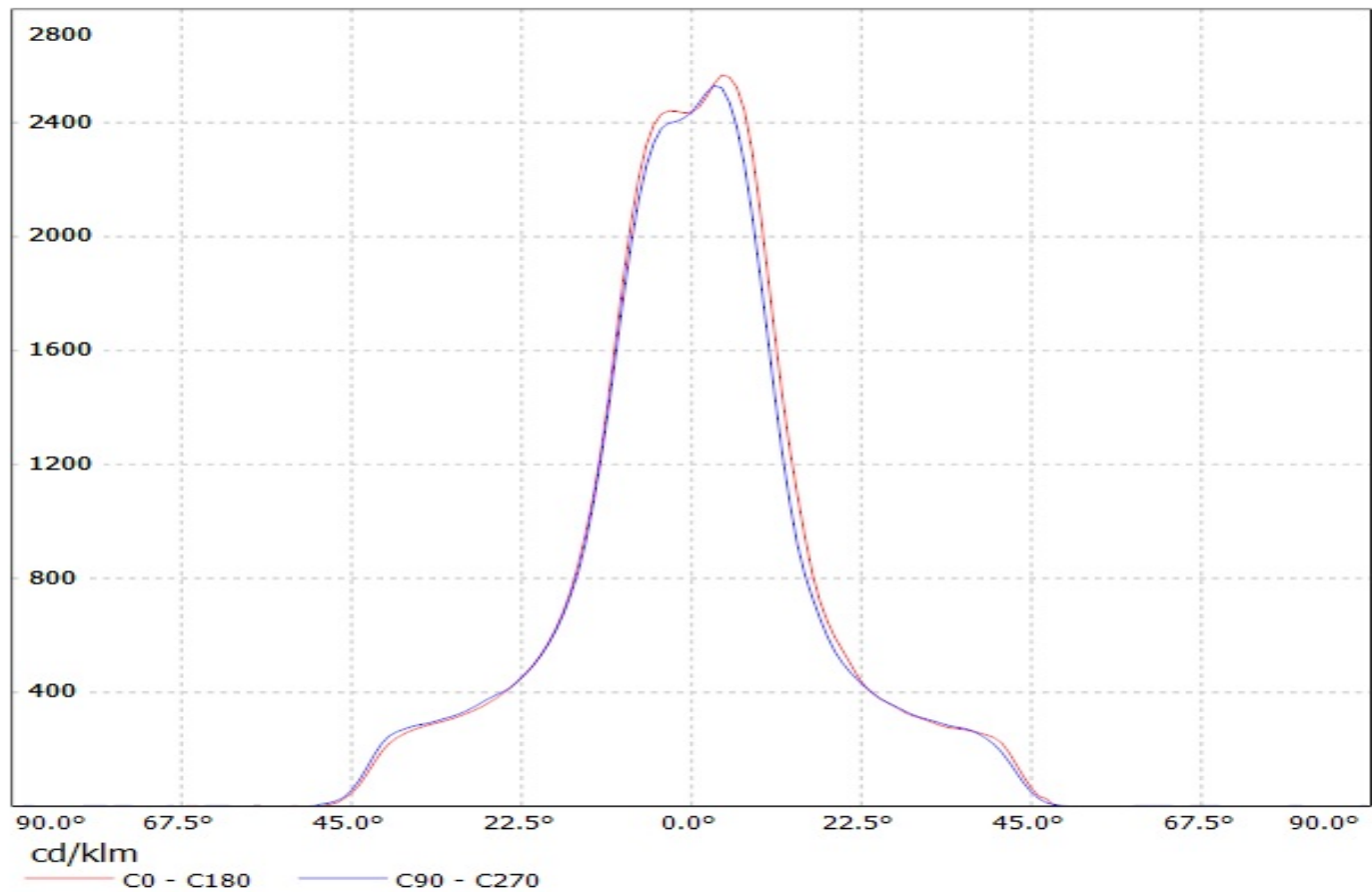
<div>Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L</div>	<div>LEDiL</div>	<div>Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</div>
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<div>THIRD ANGLE PROJECTION: </div>	<div>DRAWING TITLE</div> <div>Datasheet Minnie</div>			
<div>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."</div>	<div>SIZE</div> <div>A4</div>	<div>PART NUMBER</div> <div>-</div>		
	<div>SCALE</div> <div>2:1</div>	<div>WEIGHT</div> <div>(g)</div>	<div>SHEET</div> <div>1 / 1</div>	

Luminaire: Ledil C11862\_MINNIE-W\_(MHD-G)  
Lamps: 1 x MHD-G\_528.91lm@100mA\_P=3.0W\_I=0.100A

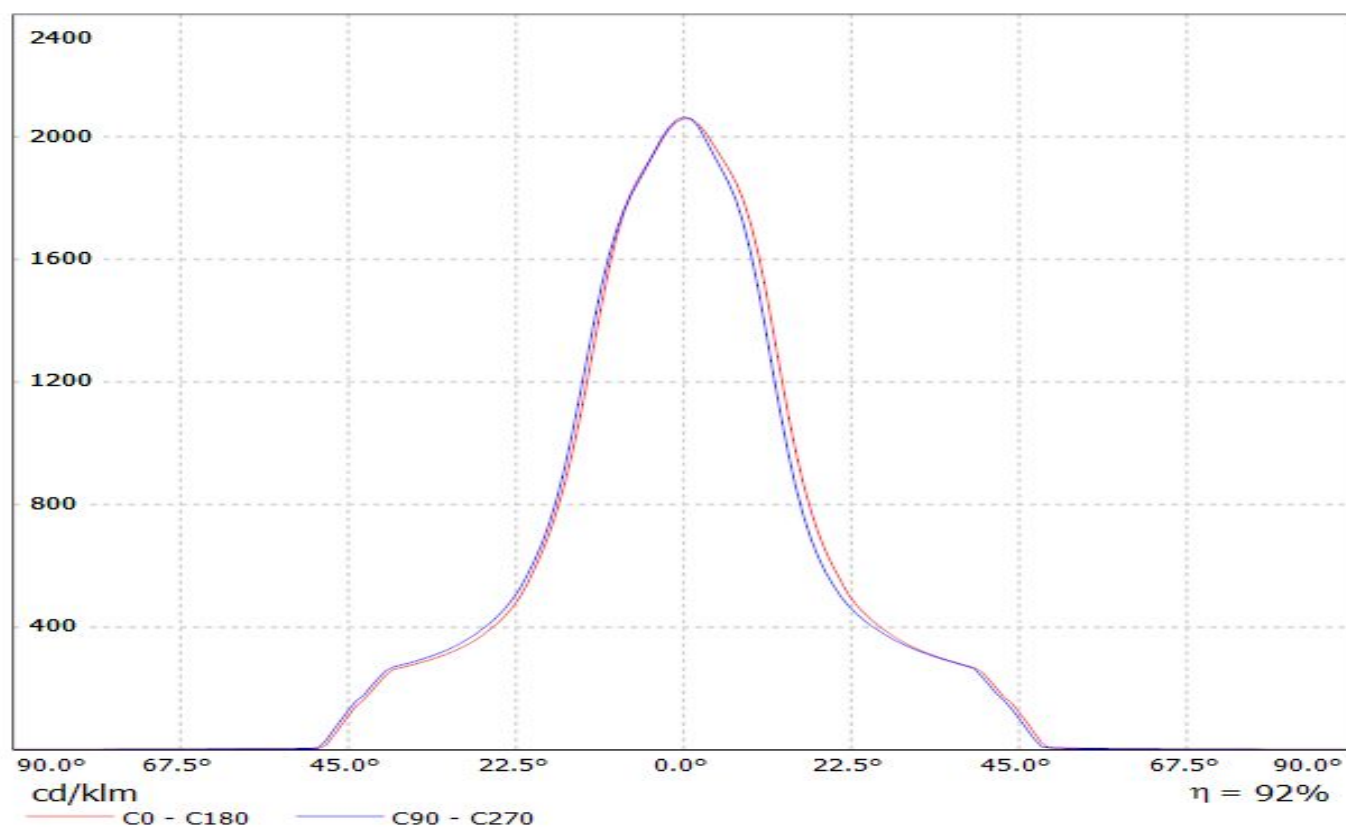


Luminaire: LEDil Oy C11862\_MINNIE-W\_(Luxeon\_MZ) Efficiency=87%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

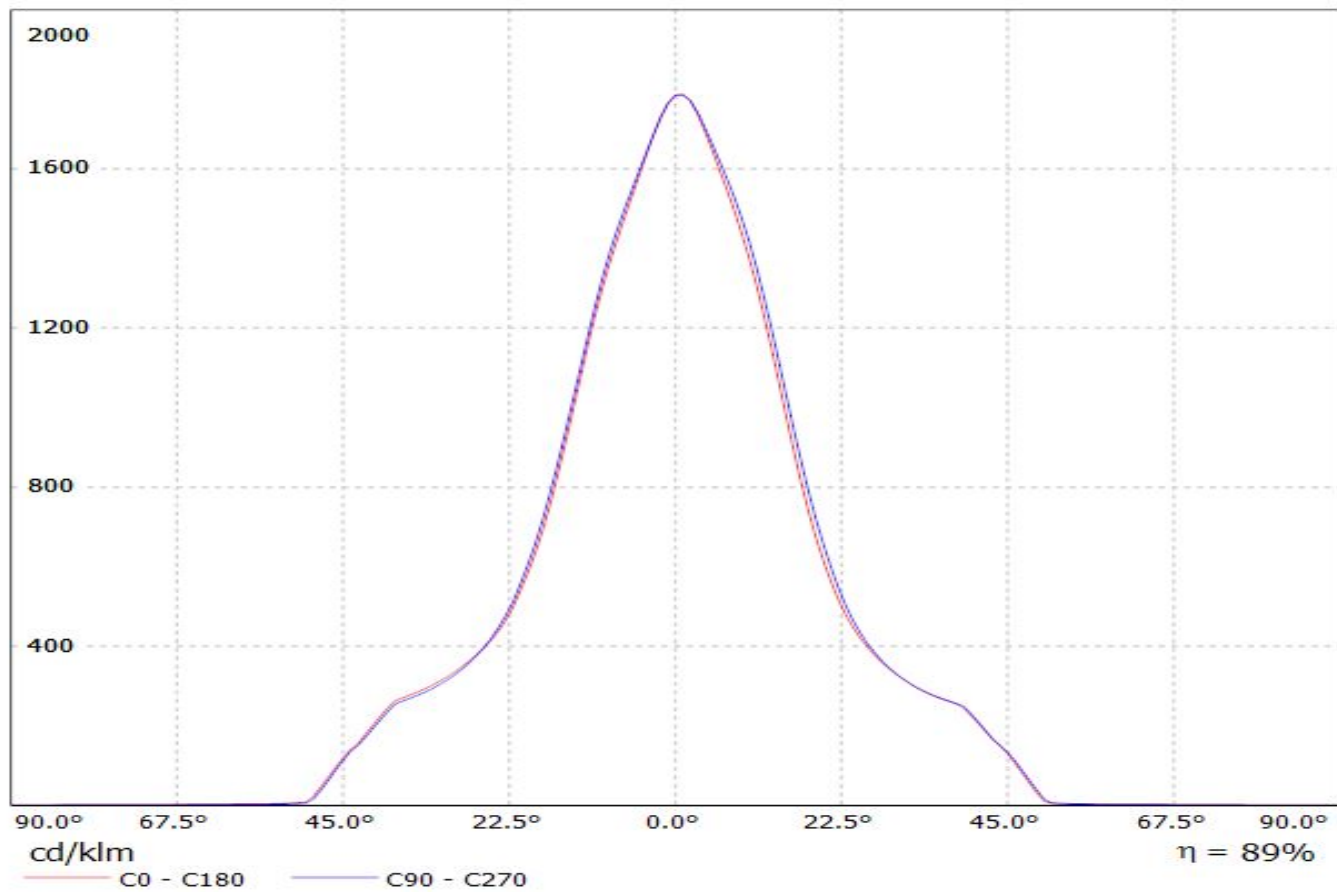


## LEDIL OY C11862\_MINNIE-W\_(LUXEON-M) 91.9% / LDC (Linear)

Luminaire: LEDIL OY C11862\_MINNIE-W\_(LUXEON-M) 91.9%  
Lamps: 1 x LUXEON-M

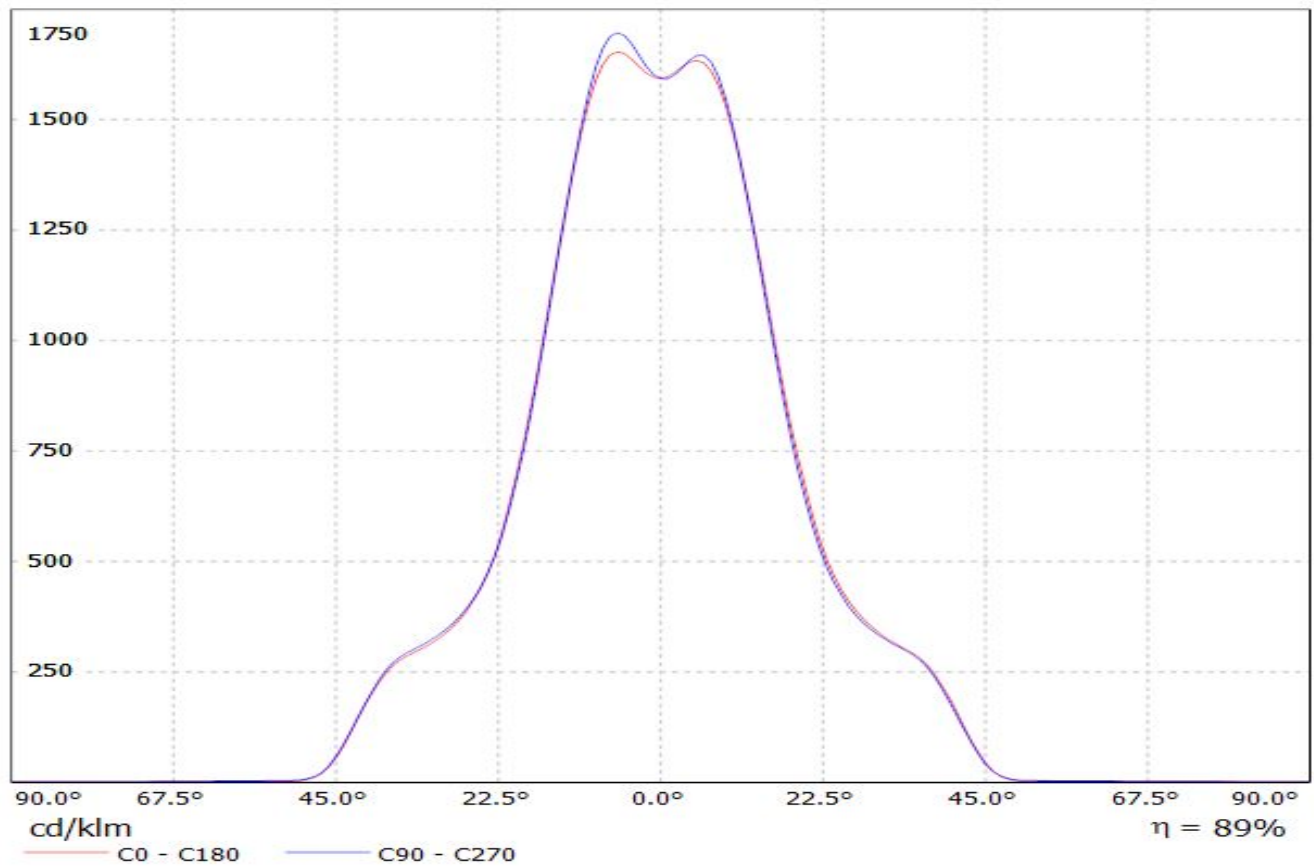


Luminaire: LEDiL Oy C11862\_MINNIE-W\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A

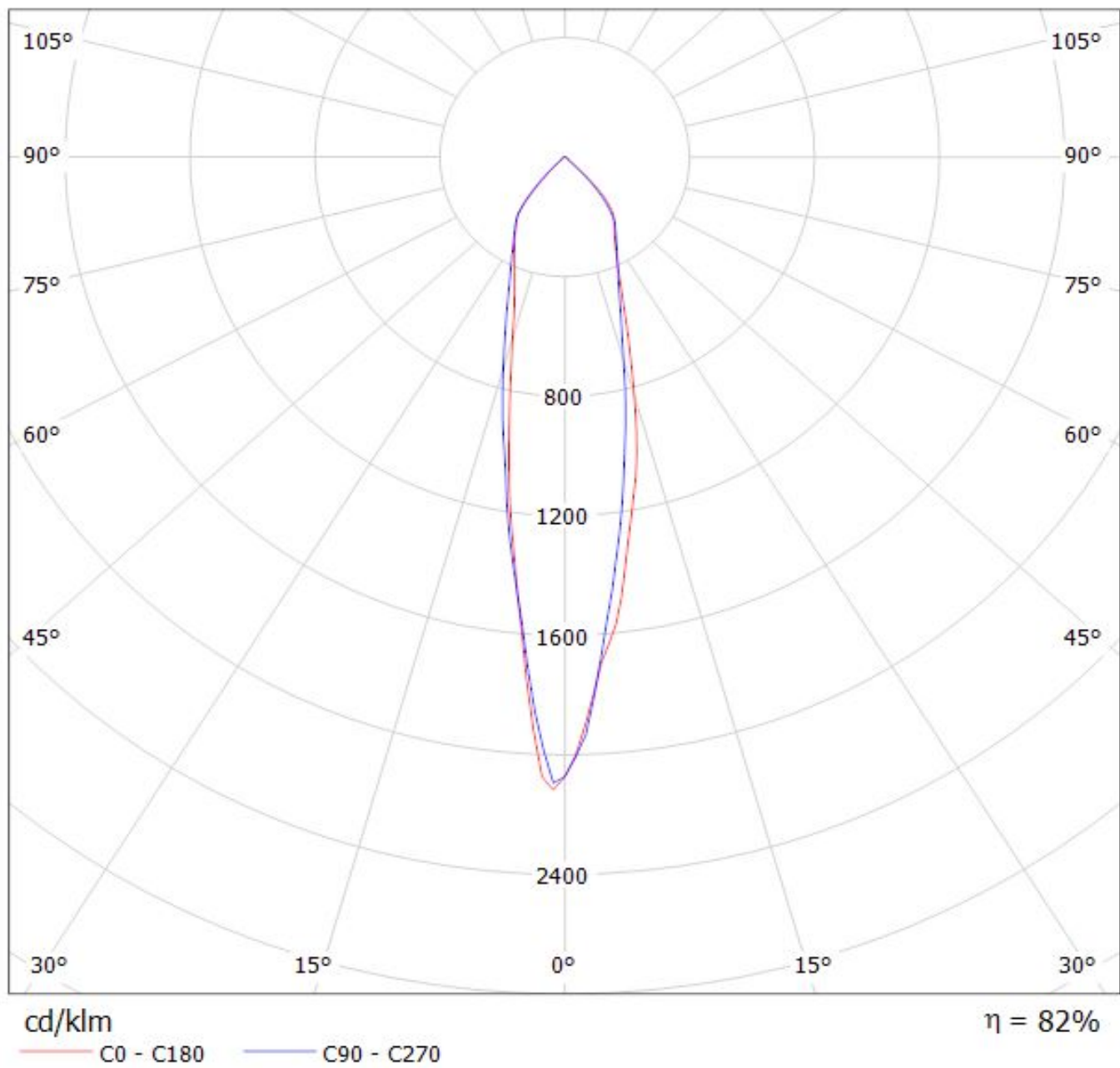




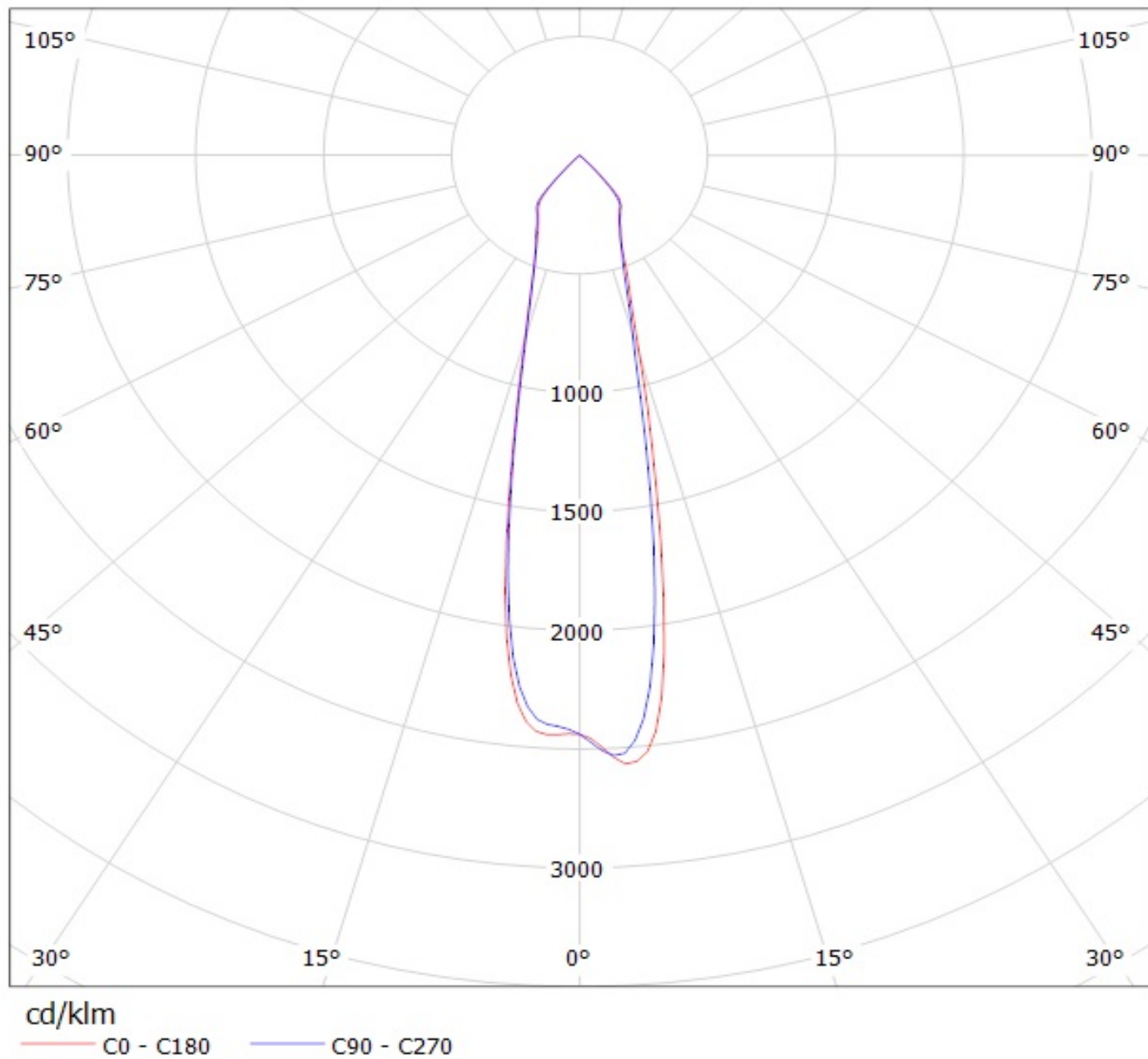
Luminaire: LEDiL Oy C11862\_MINNIE-W\_(NSMx286M) Eff.89.2%  
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



Luminaire: Ledil C11862\_MINNIE-W\_(MHD-G)  
Lamps: 1 x MHD-G\_528.91lm@100mA\_P=3.0W\_I=0.100A



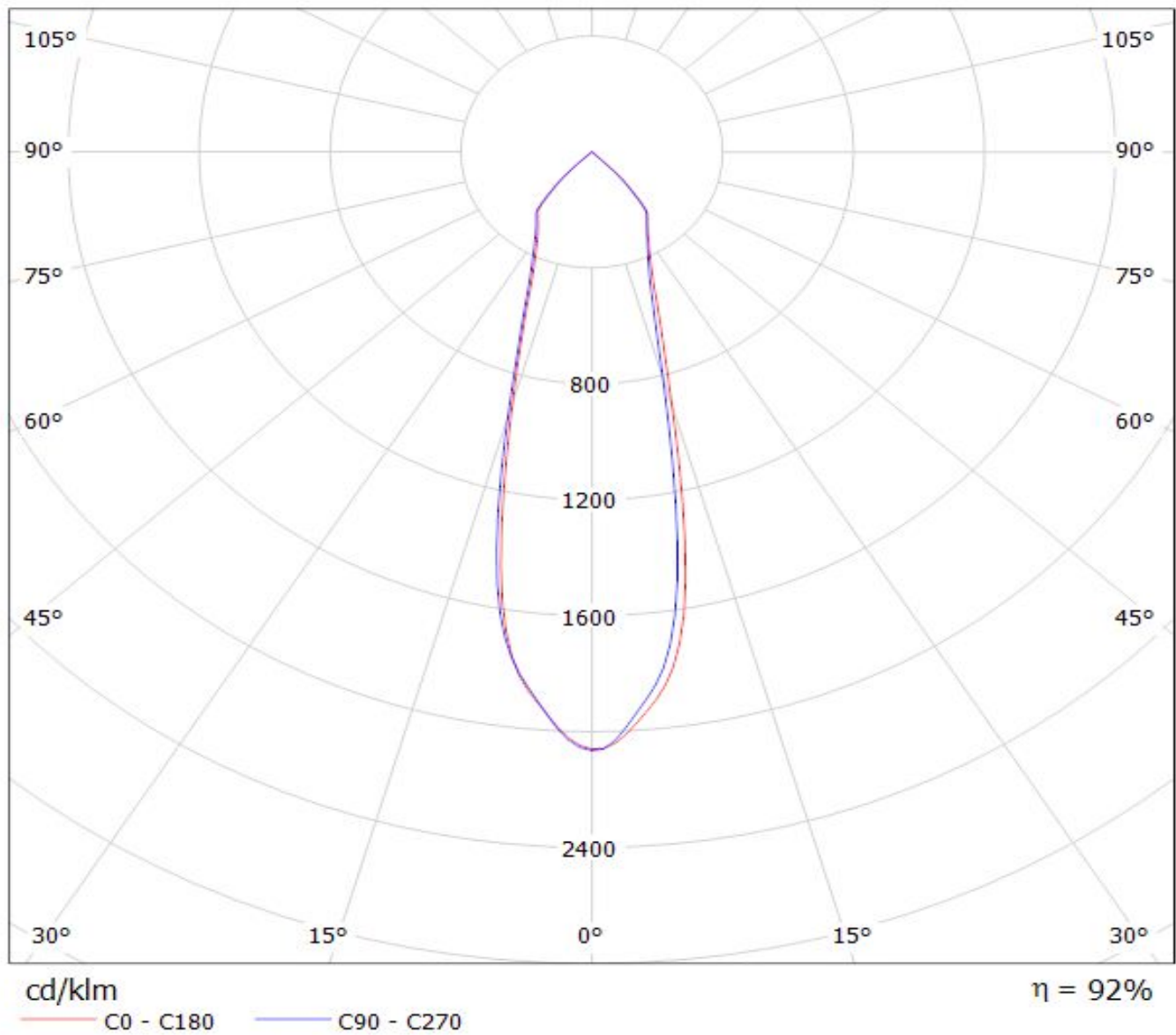
Luminaire: LEDil Oy C11862\_MINNIE-W\_(Luxeon\_MZ) Efficiency=87%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



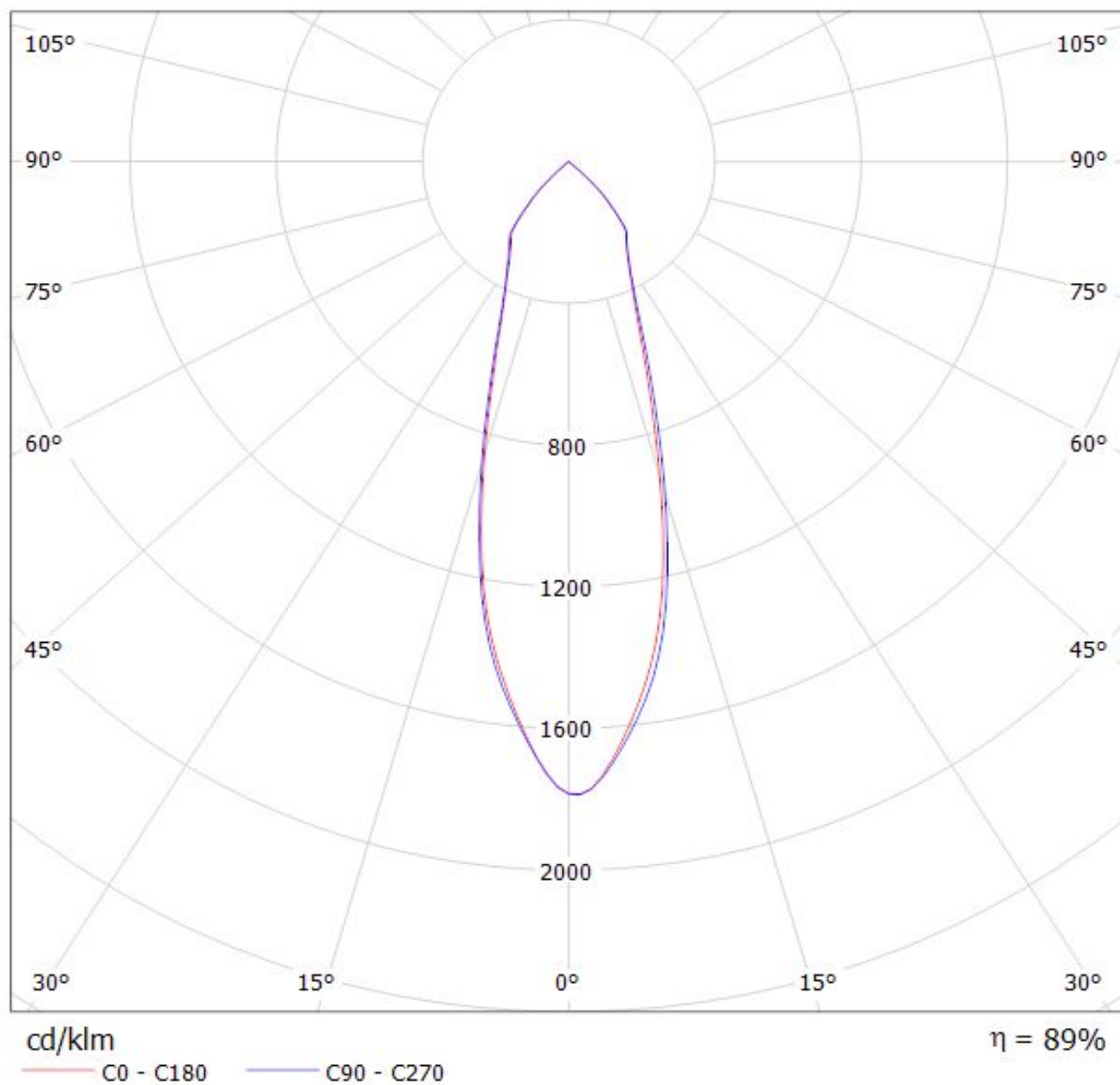
## LEDIL OY C11862\_MINNIE-W\_(LUXEON-M) 91.9% / LDC (Polar)

Luminaire: LEDIL OY C11862\_MINNIE-W\_(LUXEON-M) 91.9%

Lamps: 1 x LUXEON-M

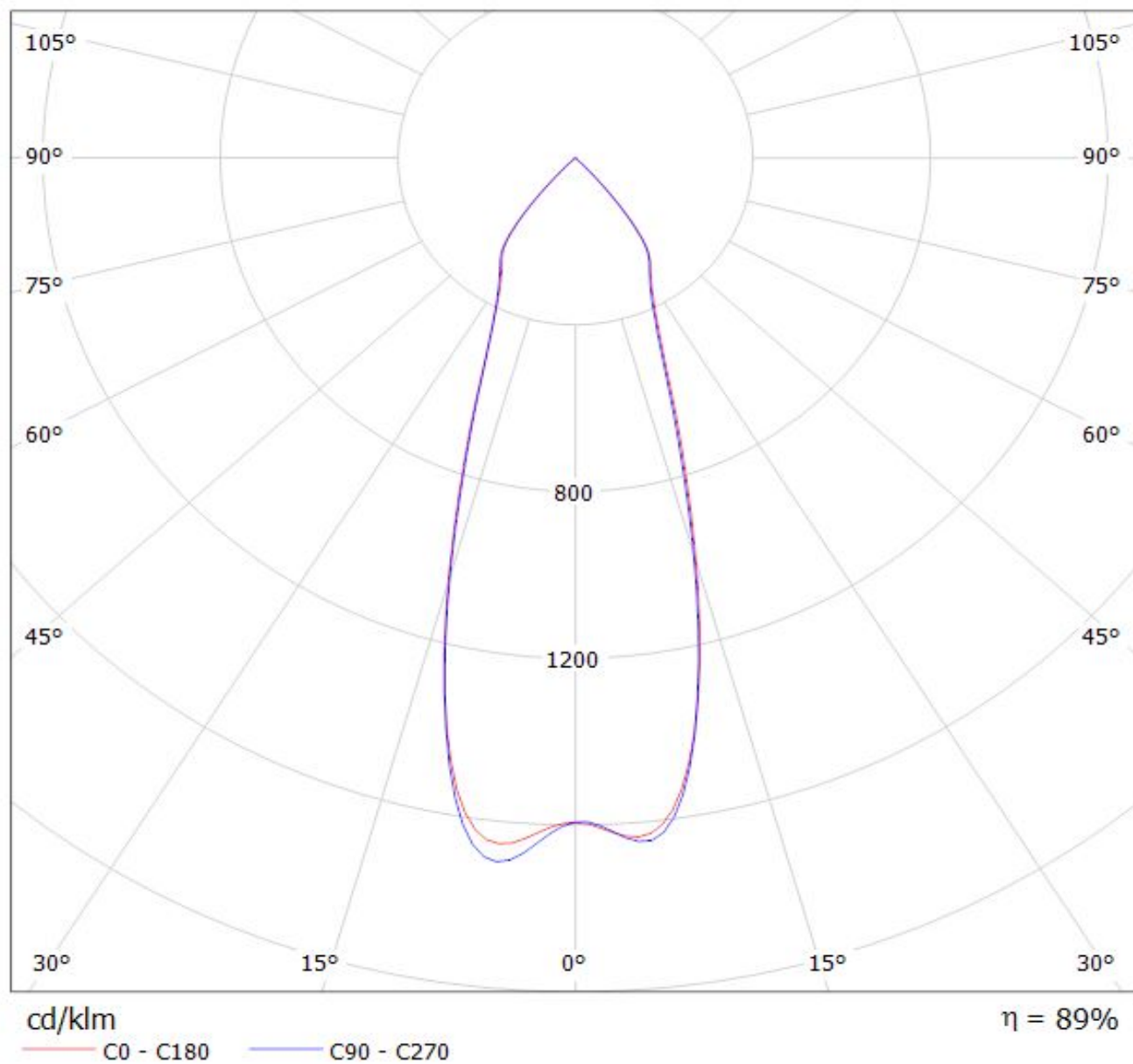


Luminaire: LEDiL Oy C11862\_MINNIE-W\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A



Luminaire: LEDiL Oy C11862\_MINNIE-W\_(NSMx286M) Eff.89.2%

Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**

## **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.  
[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

**NOTE 1: 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 glue.**

**NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**