

## DETAILS

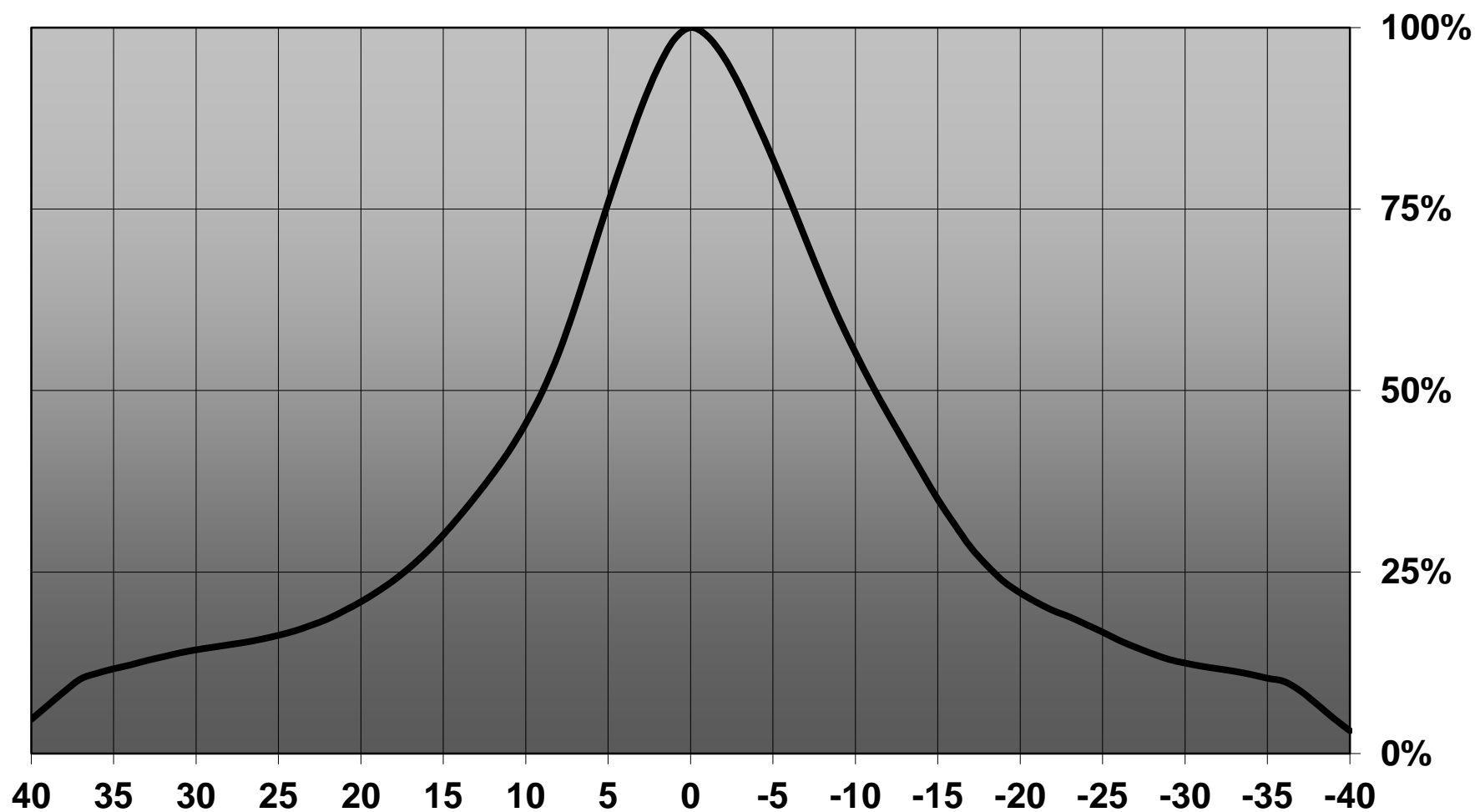
<b>Product Number</b>	C13556_BRIDGET-M-UNI
<b>Family</b>	Bridget
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	22,6 mm
<b>Height</b>	12,8 mm
<b>Style</b>	hexag
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	2/05/2016

## OPTICAL PROPERTIES

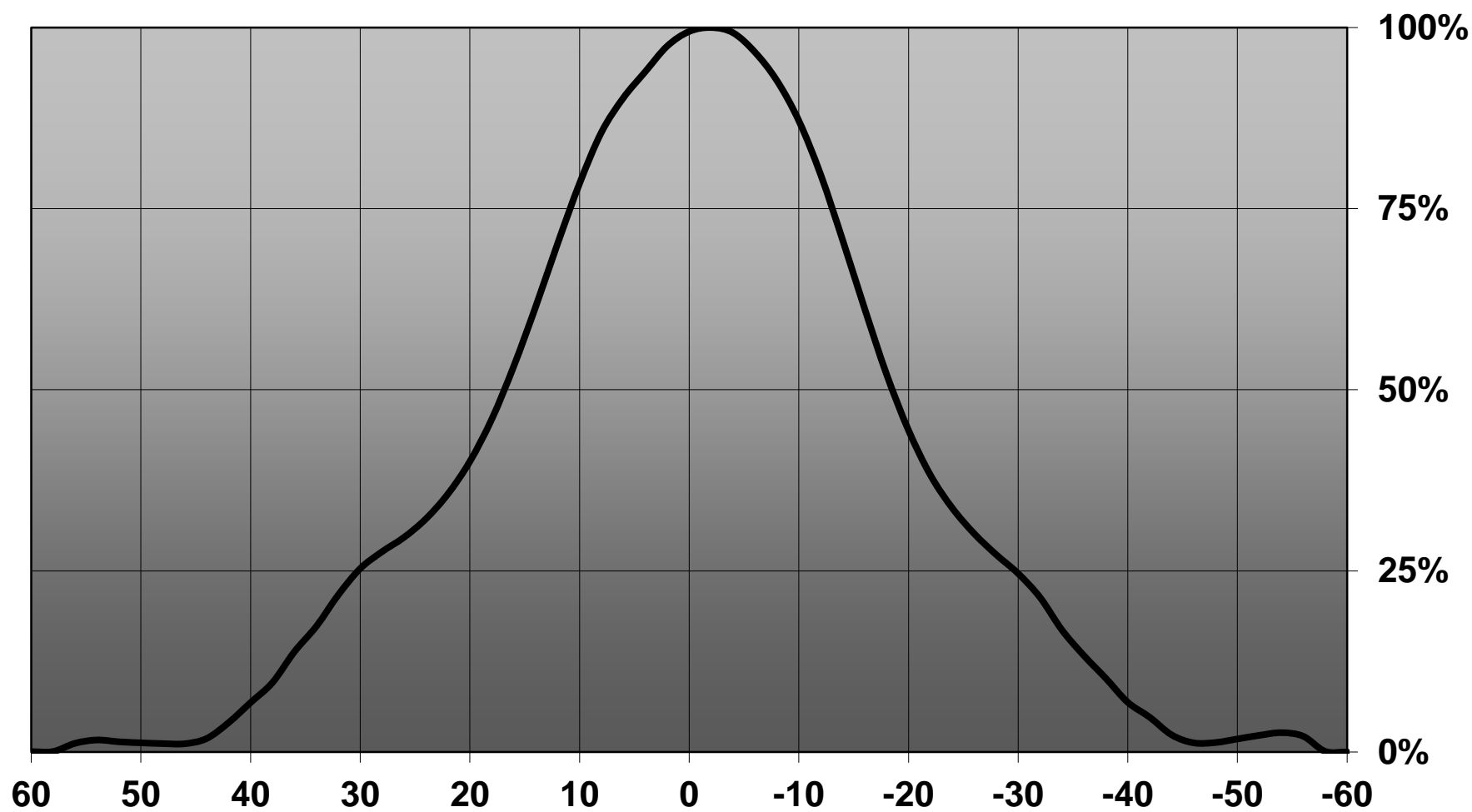
LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
Soleroiq S9	sim: 51	Medium	sim: 88 %	sim: 1.200	-
XP-L HI	20 deg	Medium	86 %	3.000	-
SLE G5 LES6	30 deg	Medium	84 %	1.850	-
CLU700	34 deg	Medium	85 %	1.700	-
Soleroiq P6	35 deg	Medium	80 %	1.660	-
CXA/B 15xx	47 deg	Medium	84 %	1.200	-
BXRA ES Star	48 deg	Medium	84 %	1.200	-
Mini Zenigata (GW5BM)	49 deg	Medium	84 %	1.200	-
Soleroiq P9	50 deg	Medium	84 %	1.200	-
CLL02x/CLU02x (LES10)	52 deg	Medium	84 %	1.100	-
CXM-9	53 deg	Medium	85 %	1.020	-
SLE G5 LES11	56 deg	Medium	83 %	0.950	-



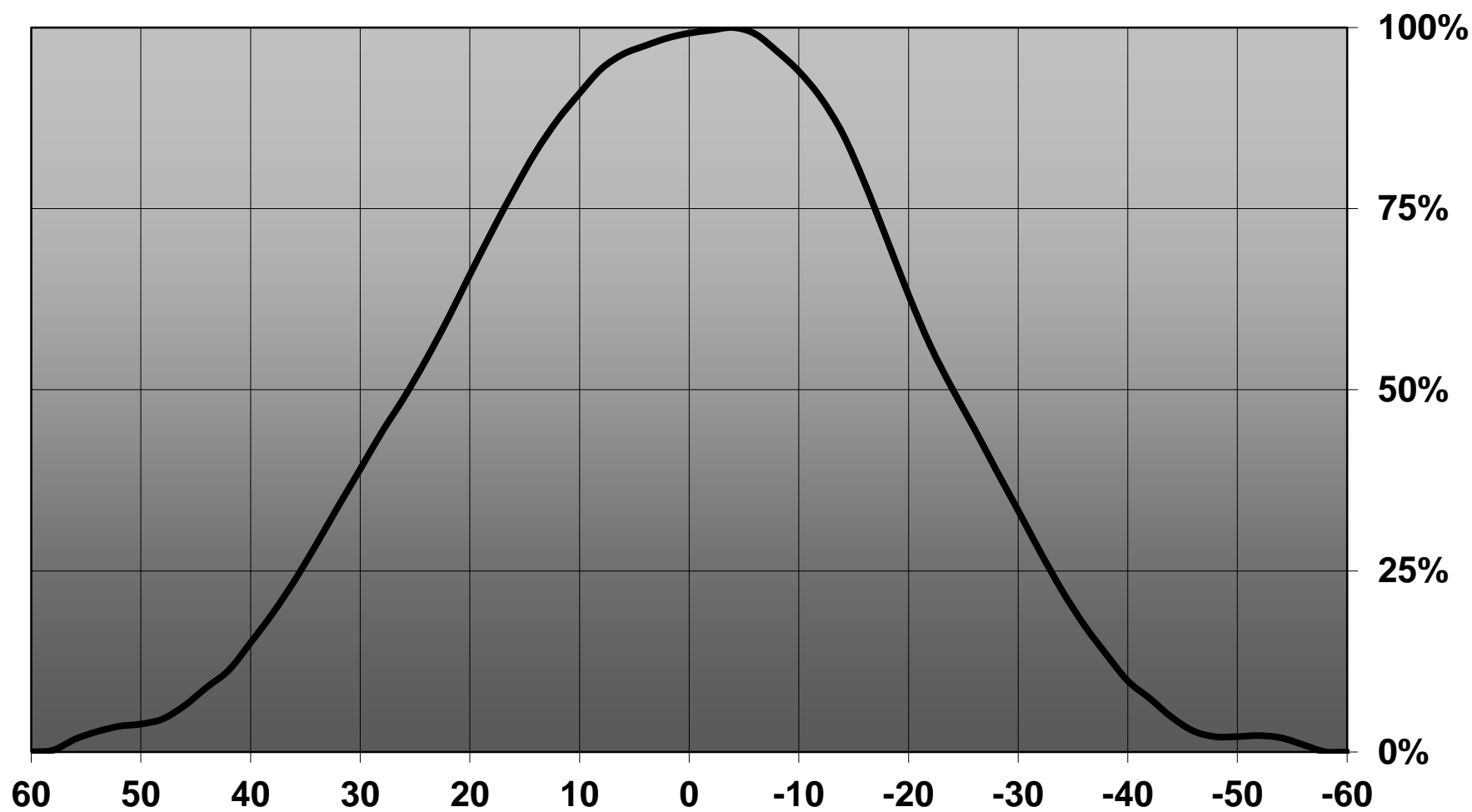
Relative intensity of C13556\_BRIDGET-M-UNI\_(XP-L\_HI)

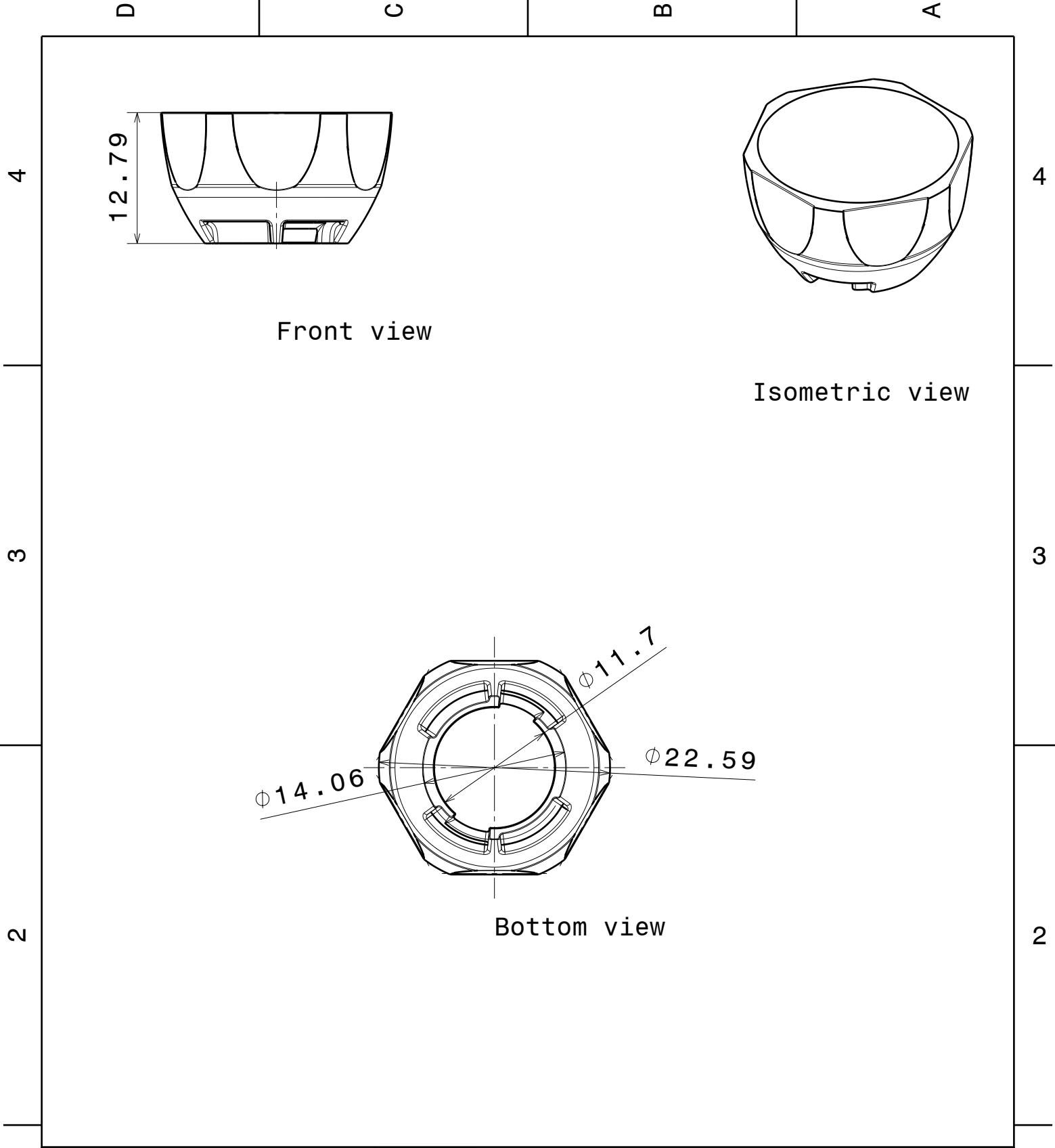


Relative intensity of C13556\_BRIDGET-M-UNI\_(Soleriq P6)



Relative intensity of C13556\_BRIDGET-M-UNI\_(Soleriq P9)



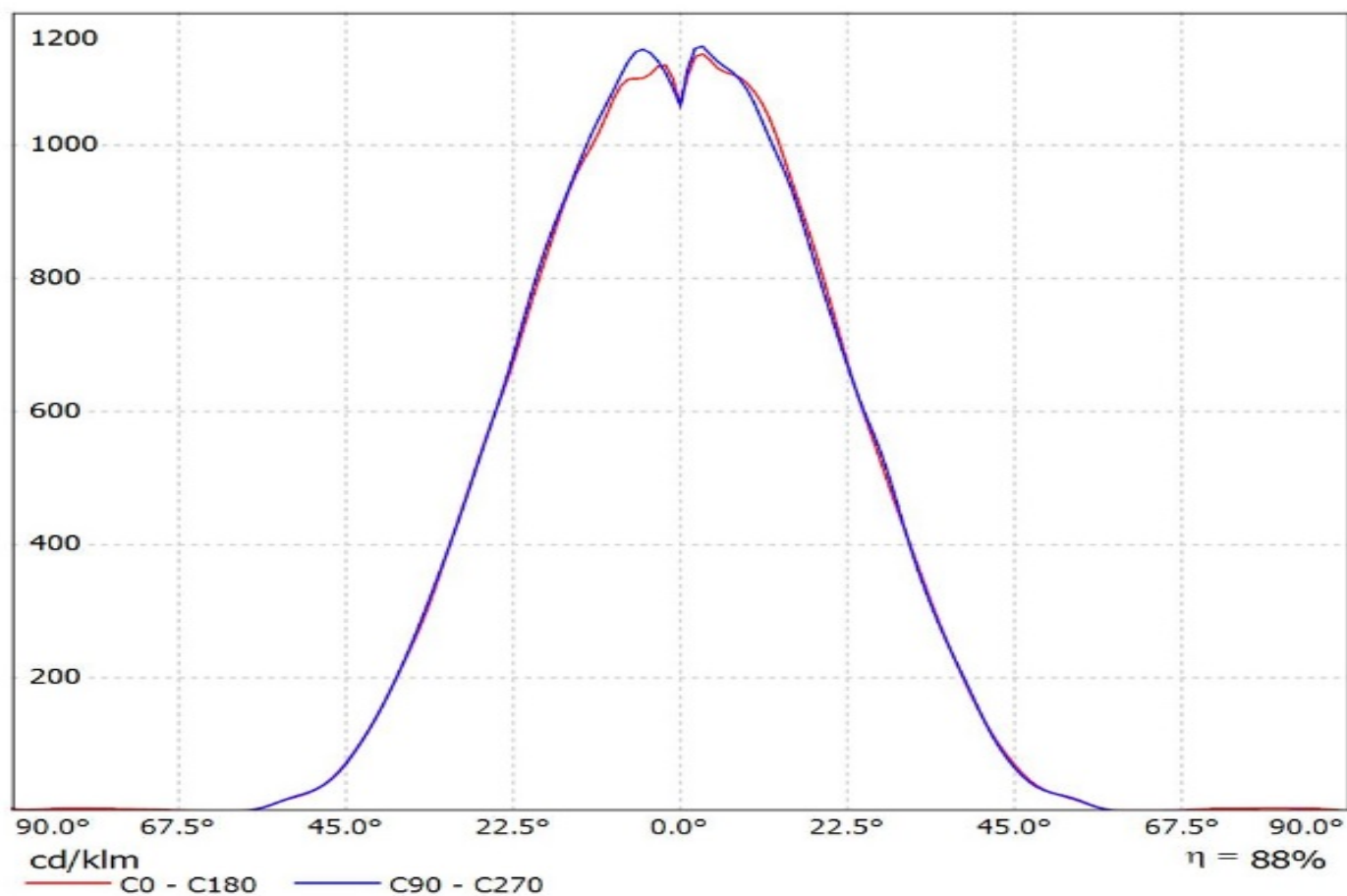


Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		<div>LEDiL</div> <div>Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</div>			
THIRD ANGLE PROJECTION: 		DRAWING TITLE BRIDGET_UNI_Datasheet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

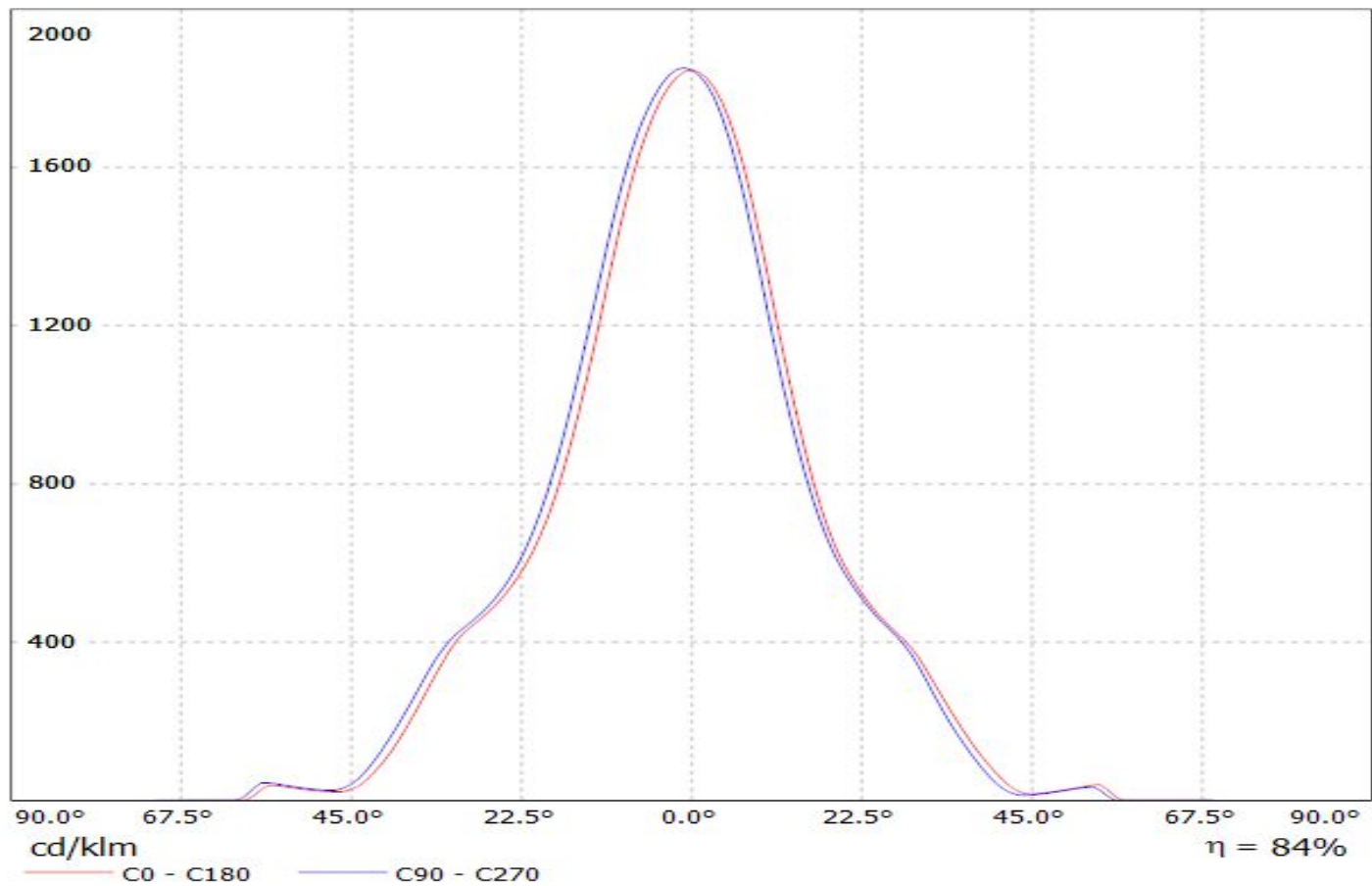
D

A

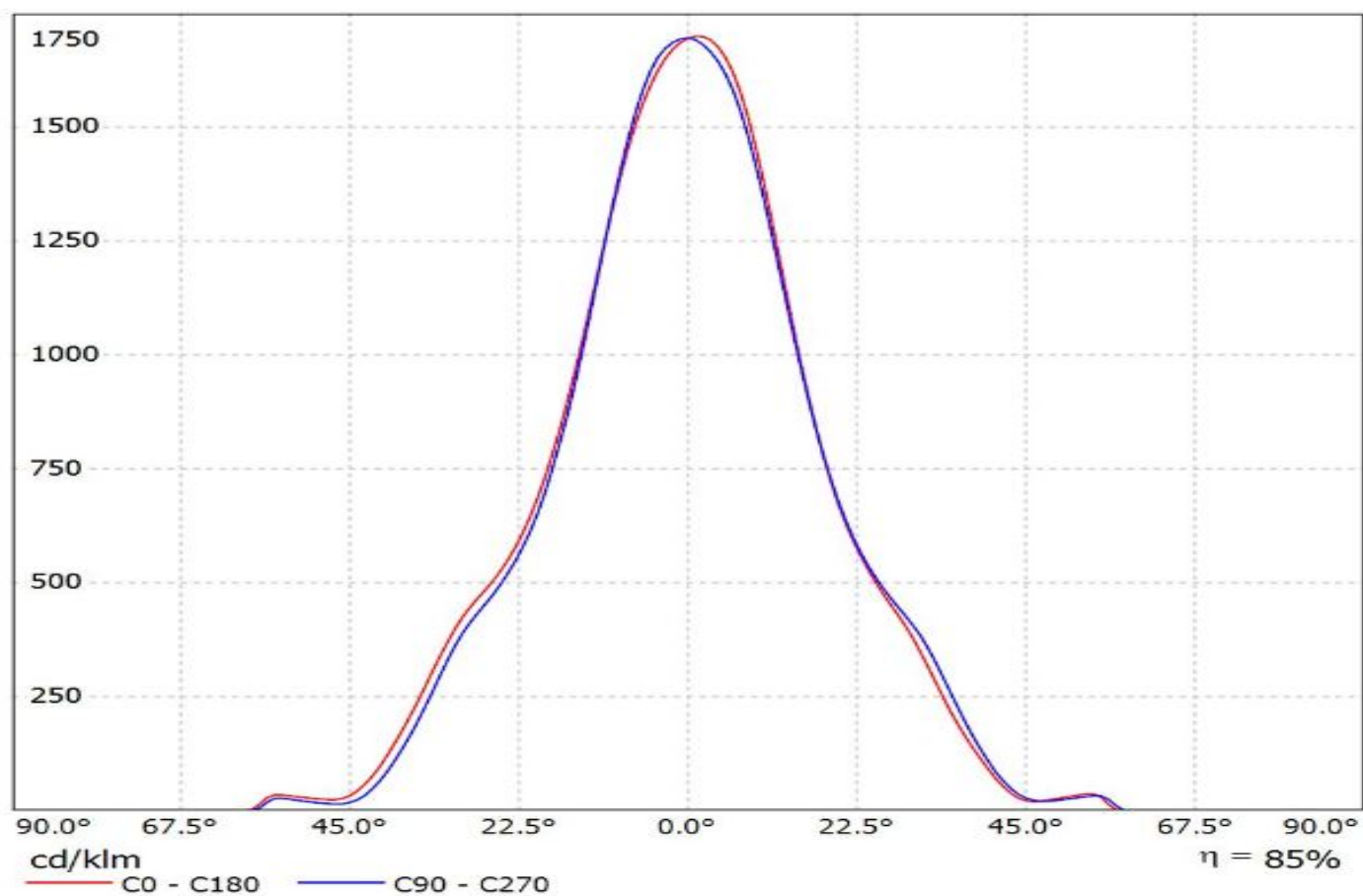
Luminaire: Ledil Oy C13556\_BRIDGET-M-UNI\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(SLE-G5\_LES-6)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_470.59lm@100mA\_P=3.3748W\_I=0.100A



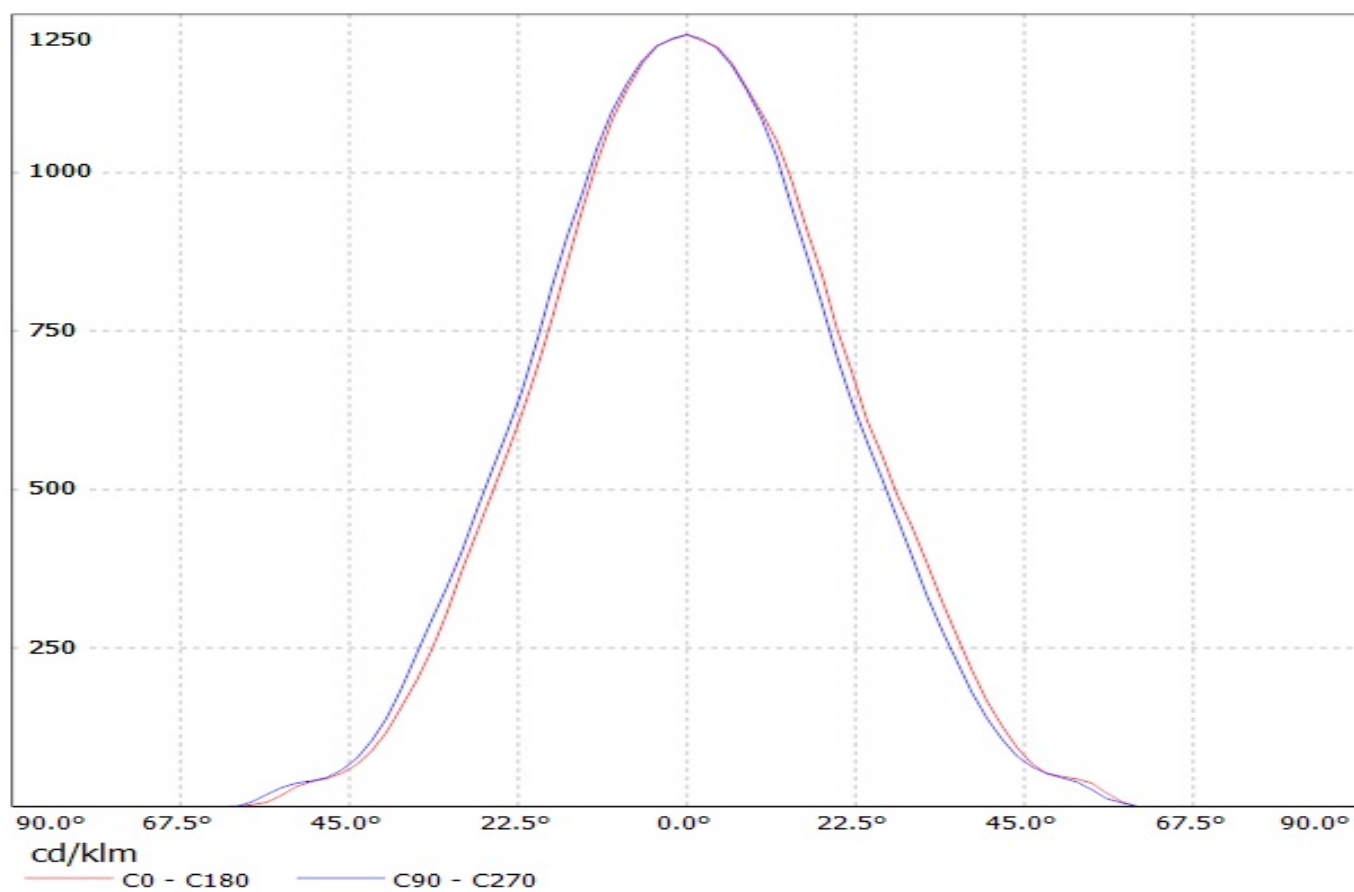
Luminaire: Ledil C13556\_BRIDGET-M-UNI\_(CLU700)  
Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A



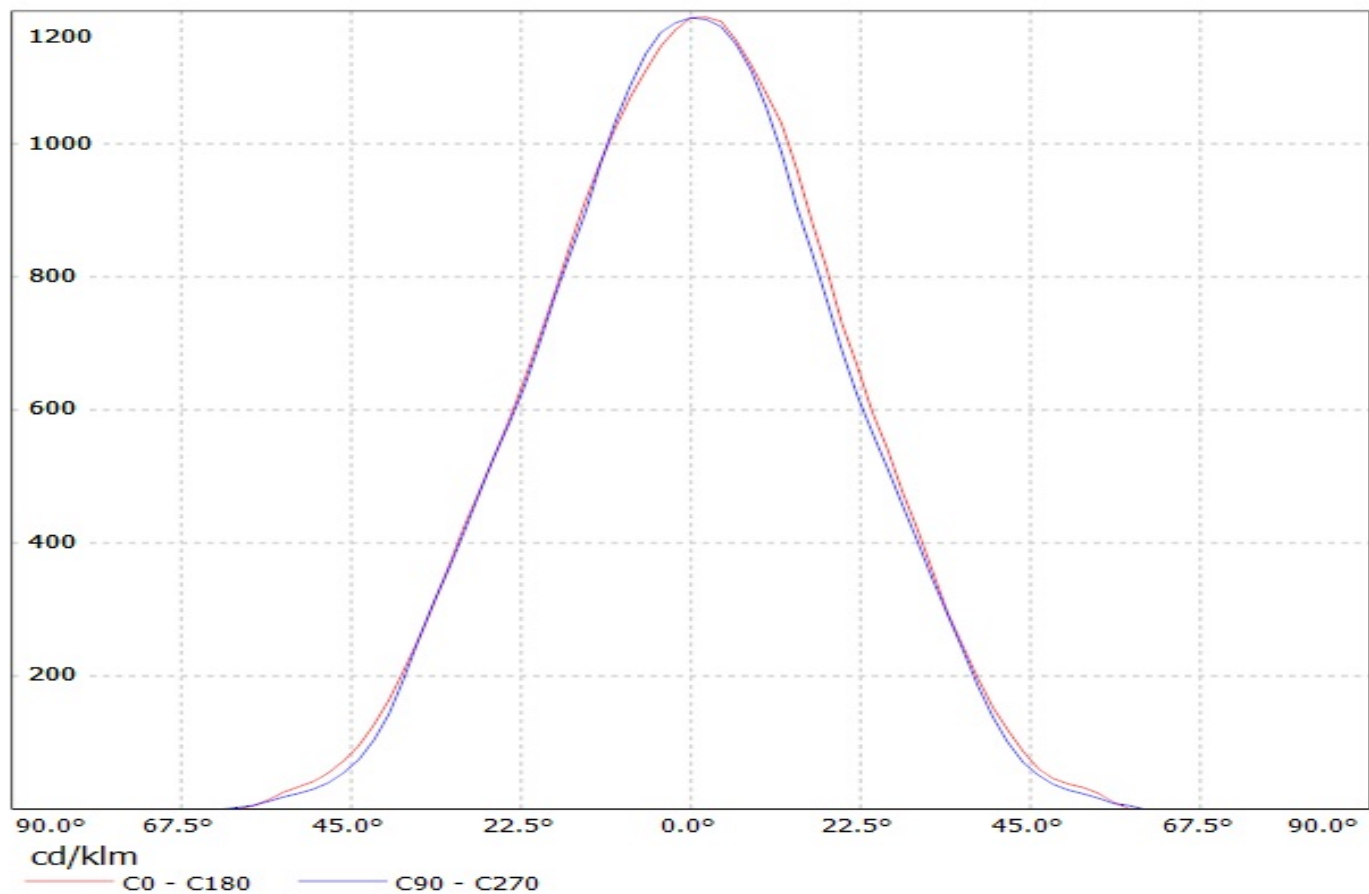


Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(CXA15) Efficiency=84%

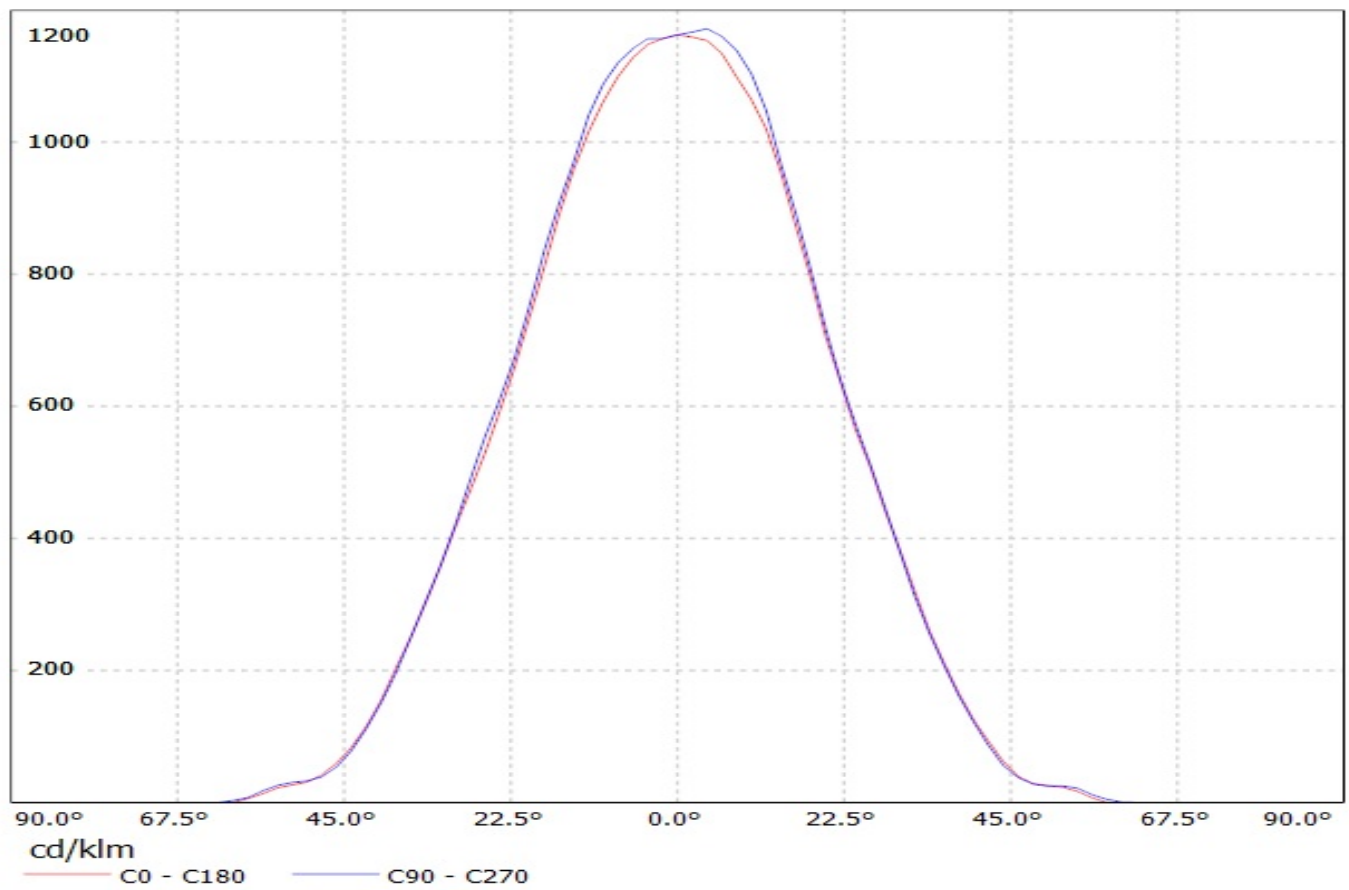
Lamps: 1 x Cree CXA15 (CXA1507-30F-F2-N0A-00000) 218lm @ 50mA CCT=3100K P=1.7W I=50mA



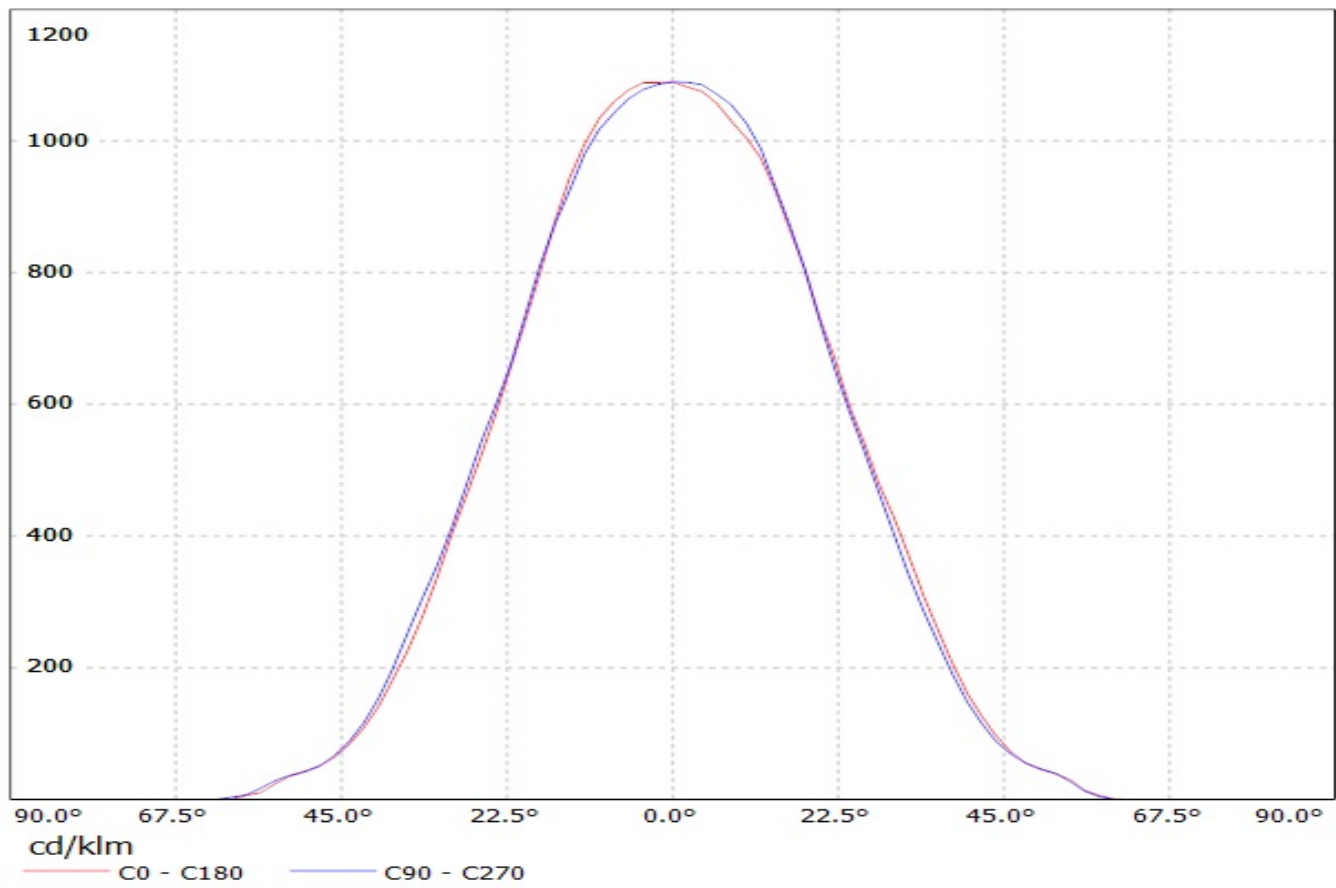
Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(BXRA\_ES\_STAR) Efficiency=84%  
Lamps: 1 x Bridgelux BXRA ES Star (C0402) 203lm @ 250mA CCT=7300K P=2.2W I=250mA



Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(Mini\_Zenigata\_GW5BJT) Efficiency=84%  
Lamps: 1 x Sharp Mini Zenigata (GW5BTJ) 378lm @ 250mA CCT=4100K P=4.5W I=250mA

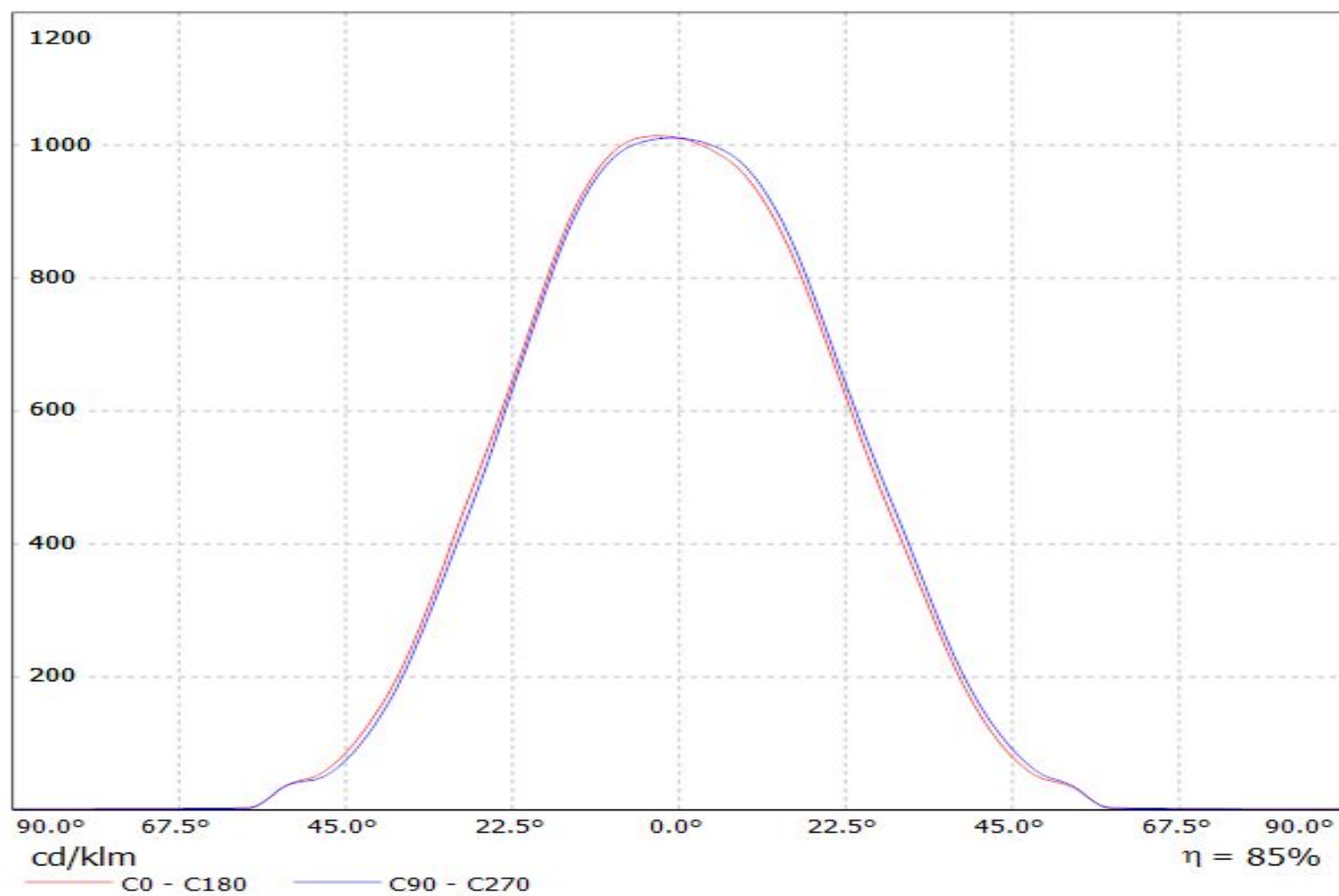


Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(CLL020) Efficiency=84%  
Lamps: 1 x Citizen CLL020 (CLL020.1202A5-303H1A7) 515lm @ 250mA CCT=3000K P=9.3W I=250mA

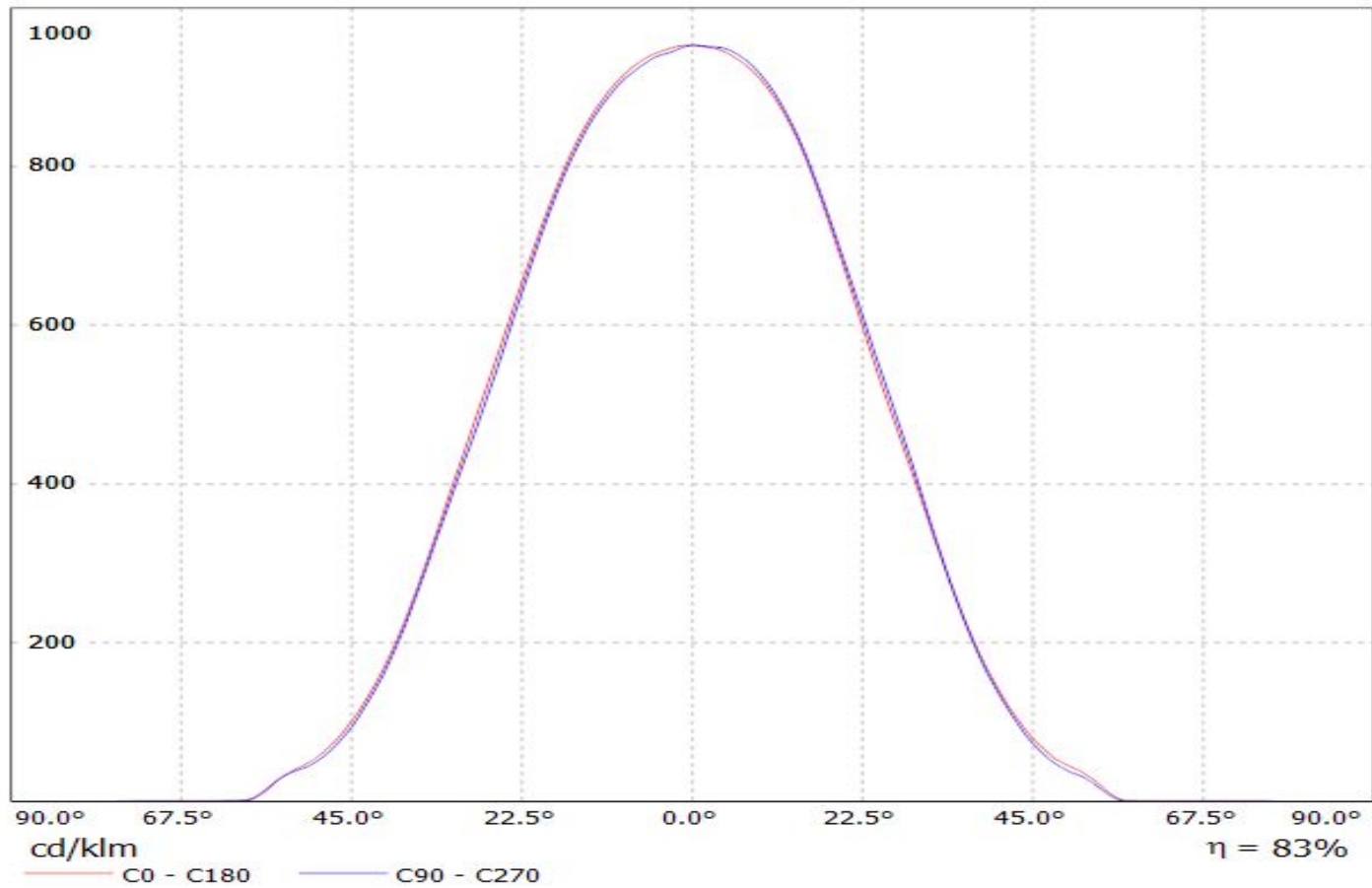


Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(CXM-9)

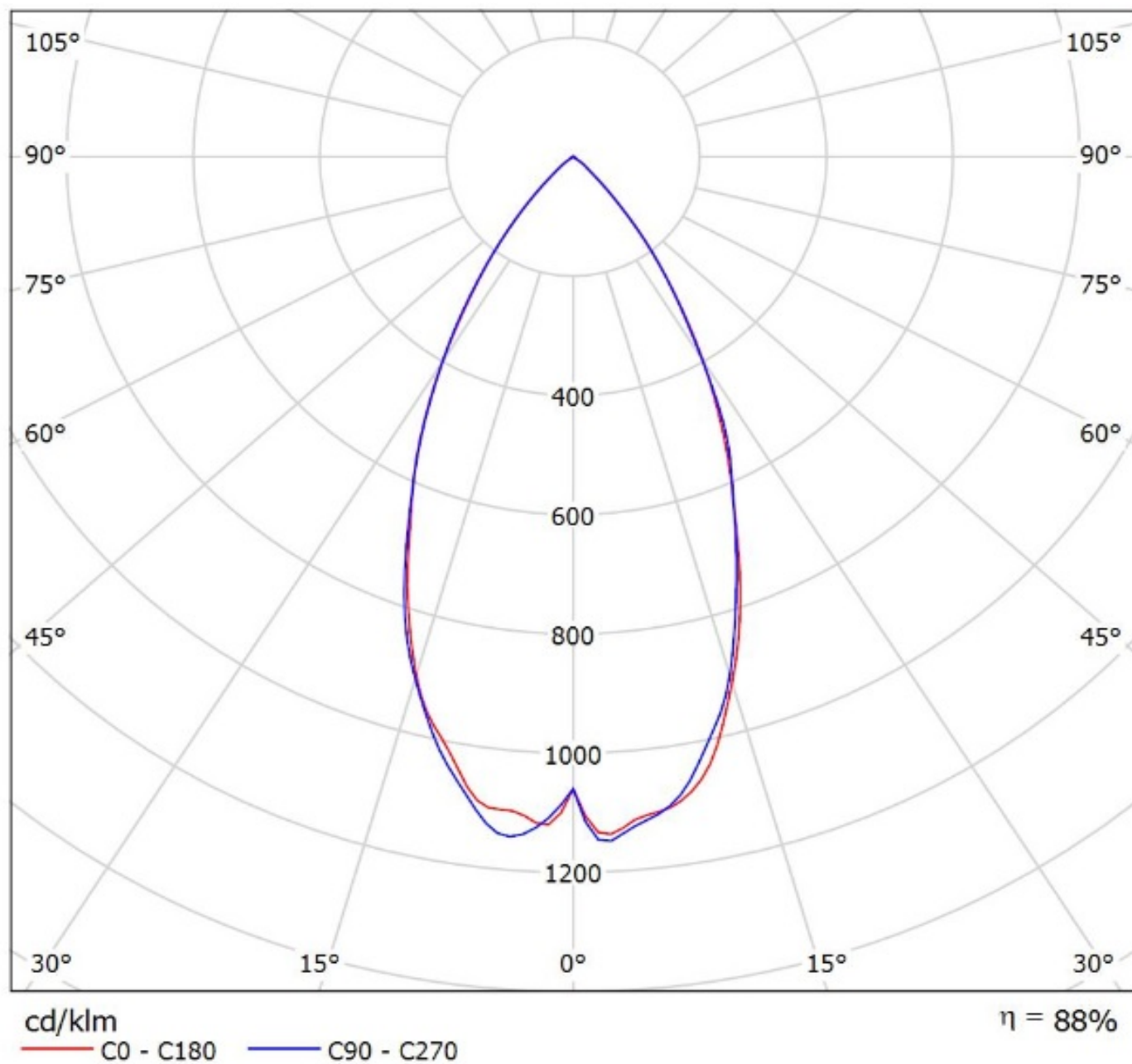
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_977.302lm@240mA\_P=8.28264W\_I=240mA



Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(SLE-G5\_LES-11)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1168.86lm@250mA\_P=8.3243W\_I=0.250A

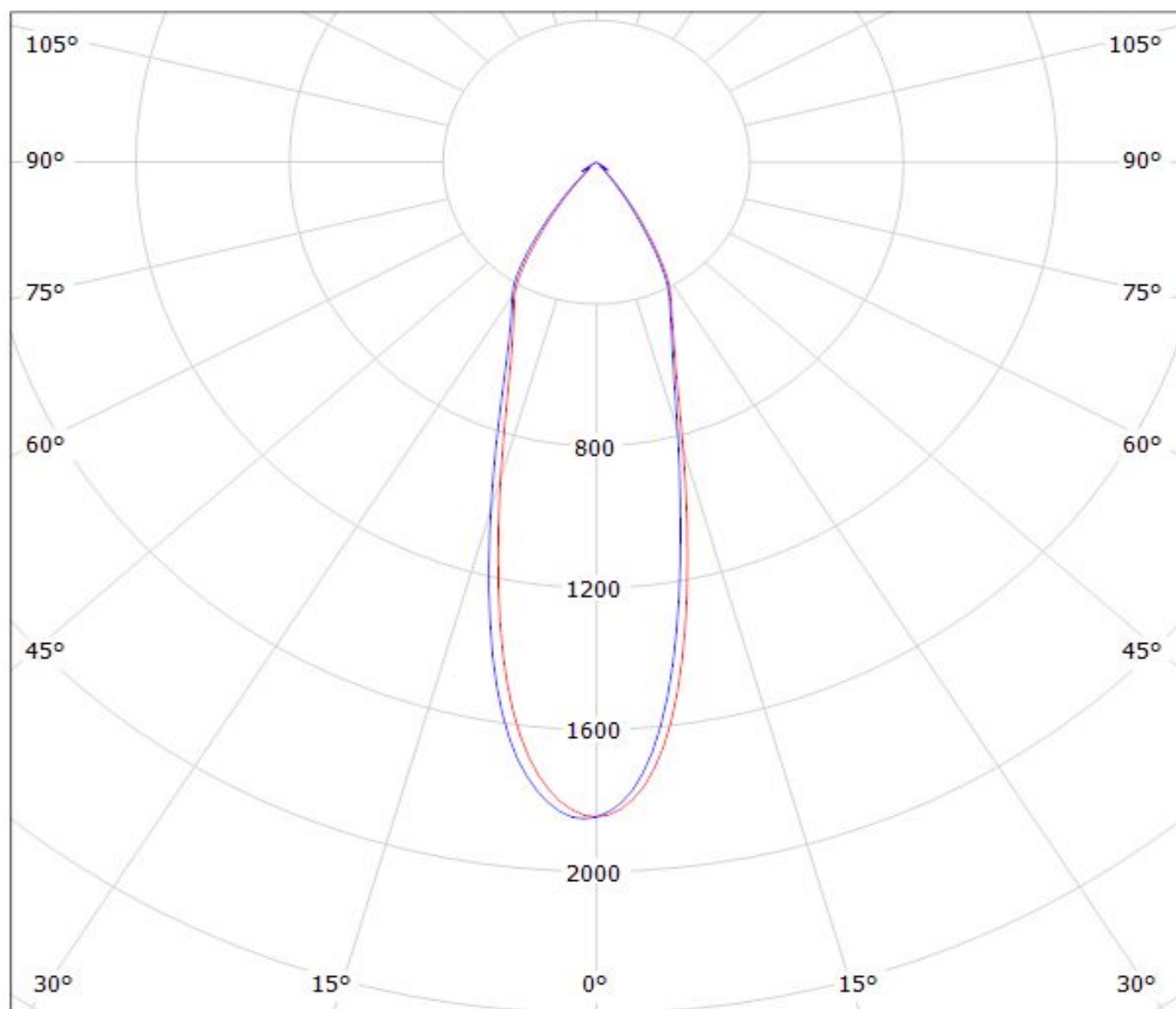


Luminaire: Ledil Oy C13556\_BRIDGET-M-UNI\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(SLE-G5\_LES-6)

Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_470.59lm@100mA\_P=3.3748W\_I=0.100A



cd/klm

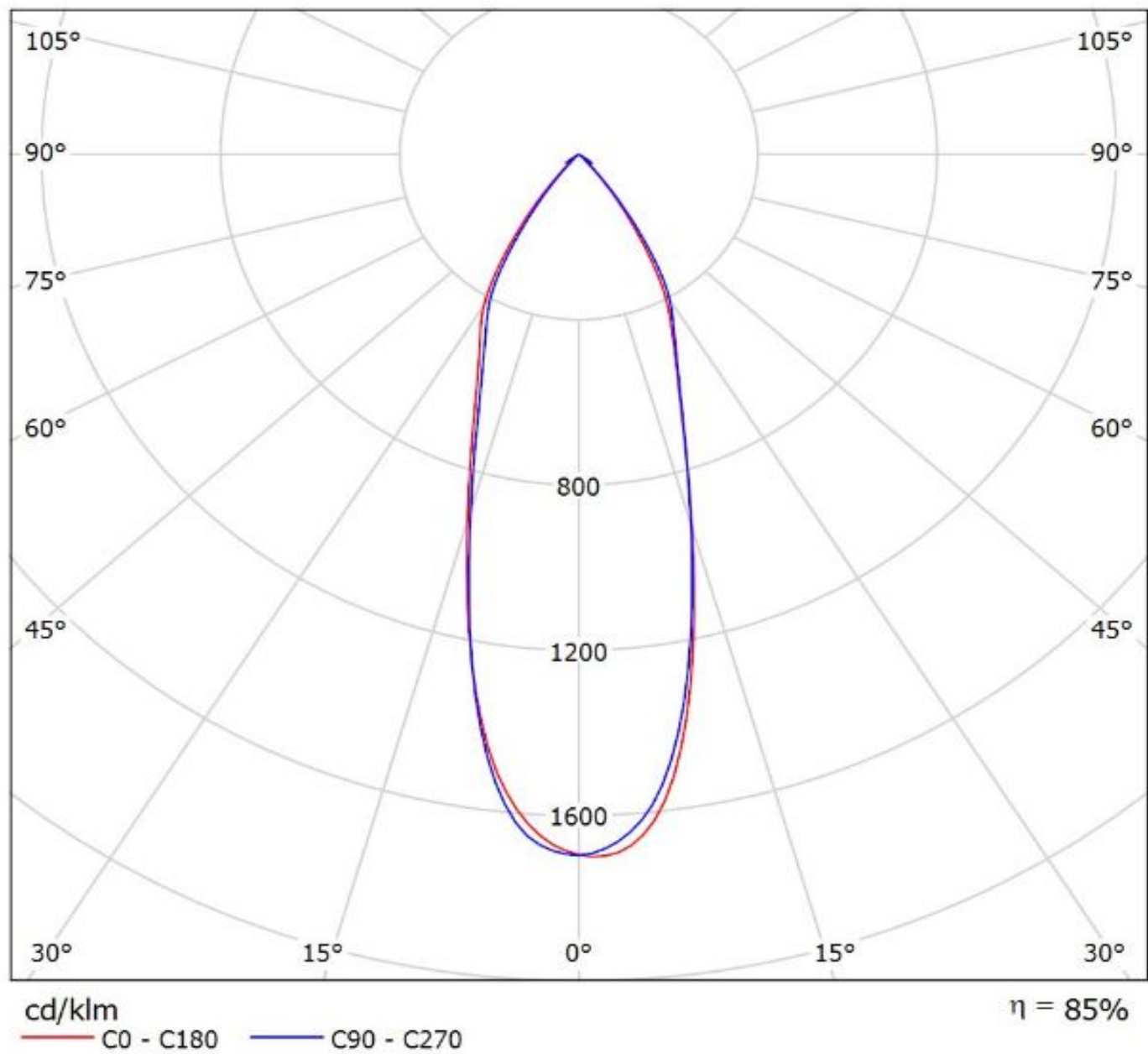
— C0 - C180

— C90 - C270

$\eta = 84\%$

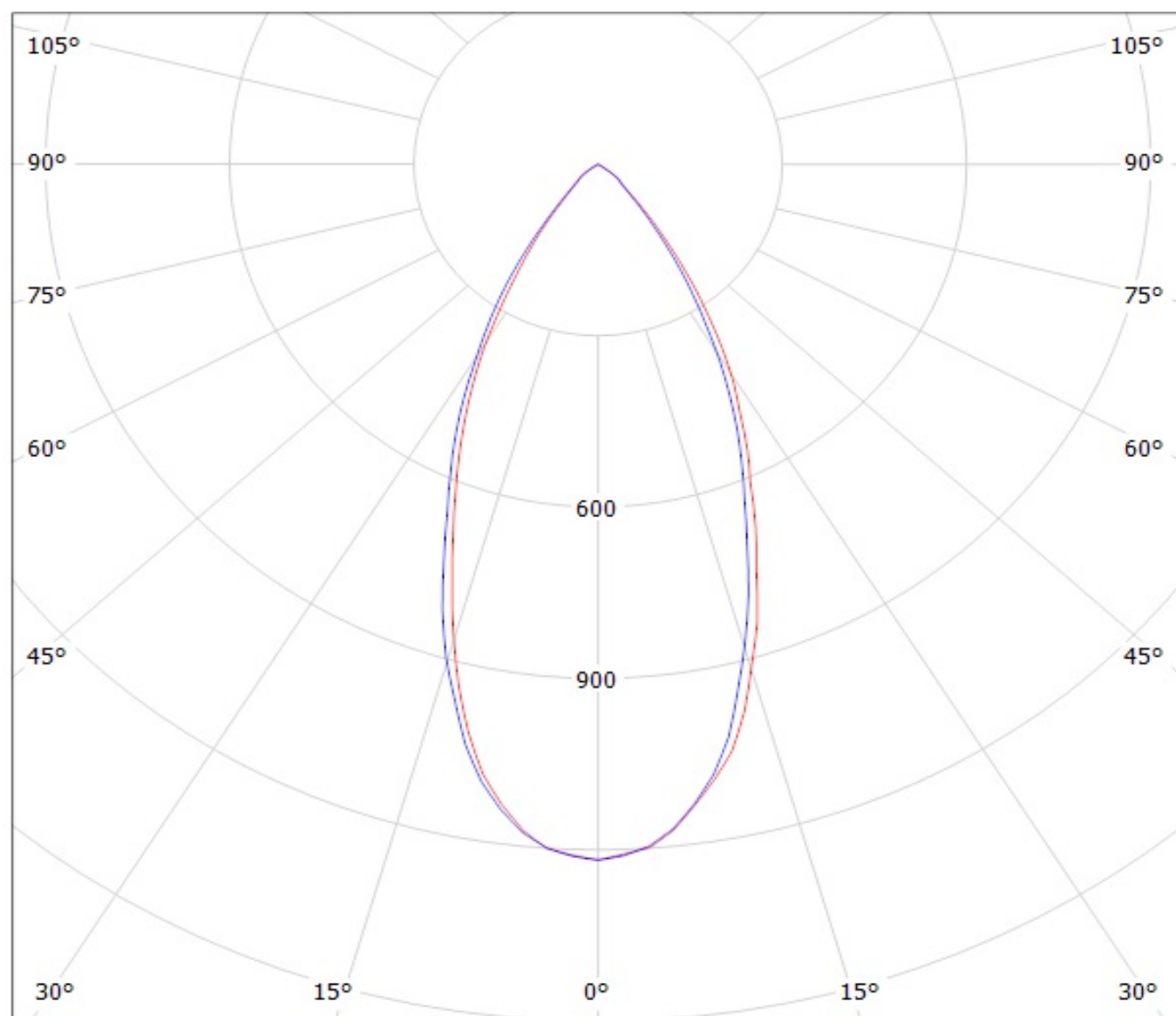


Luminaire: Ledil C13556\_BRIDGET-M-UNI\_(CLU700)  
Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A



Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(CXA15) Efficiency=84%

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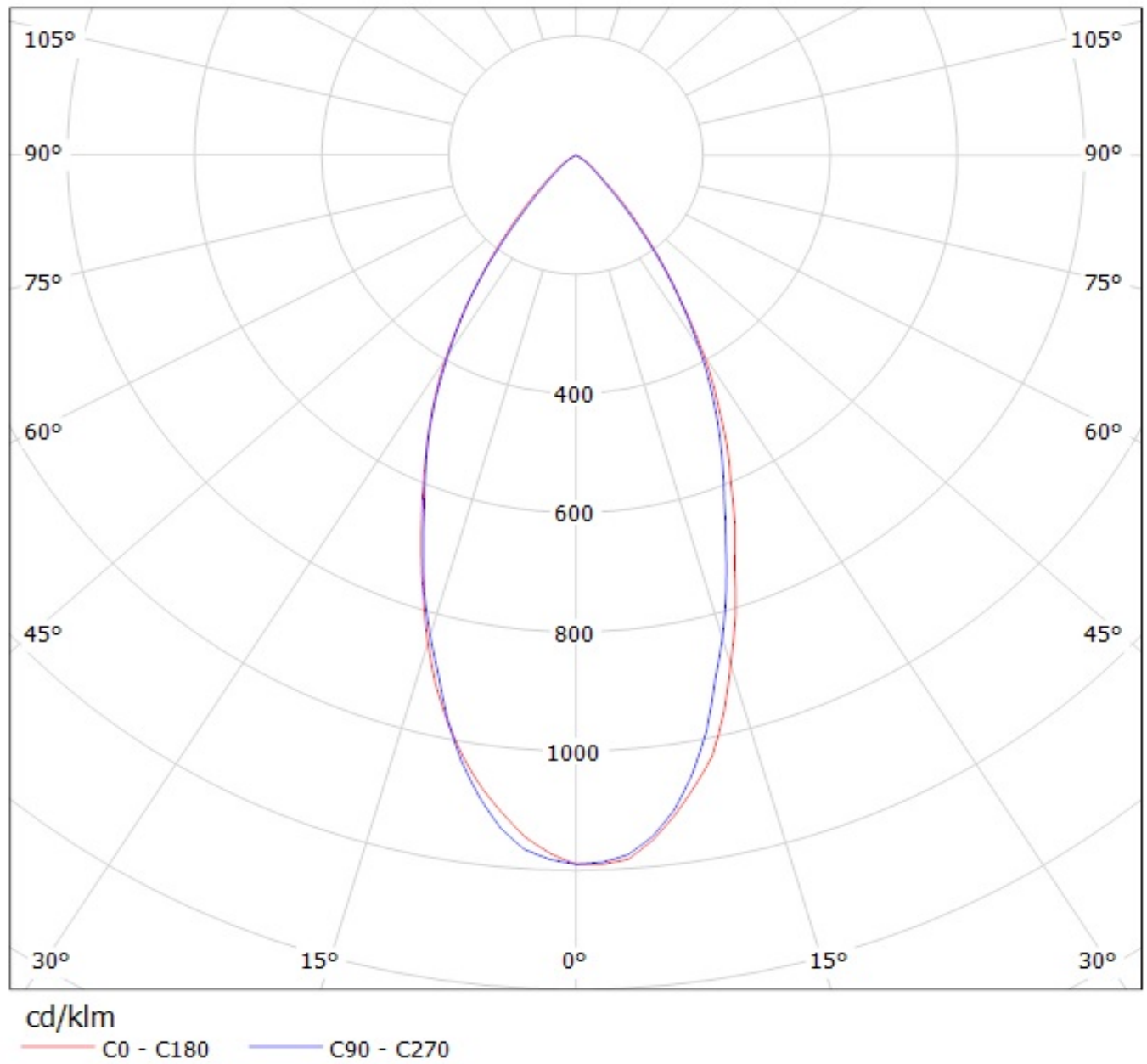


cd/klm

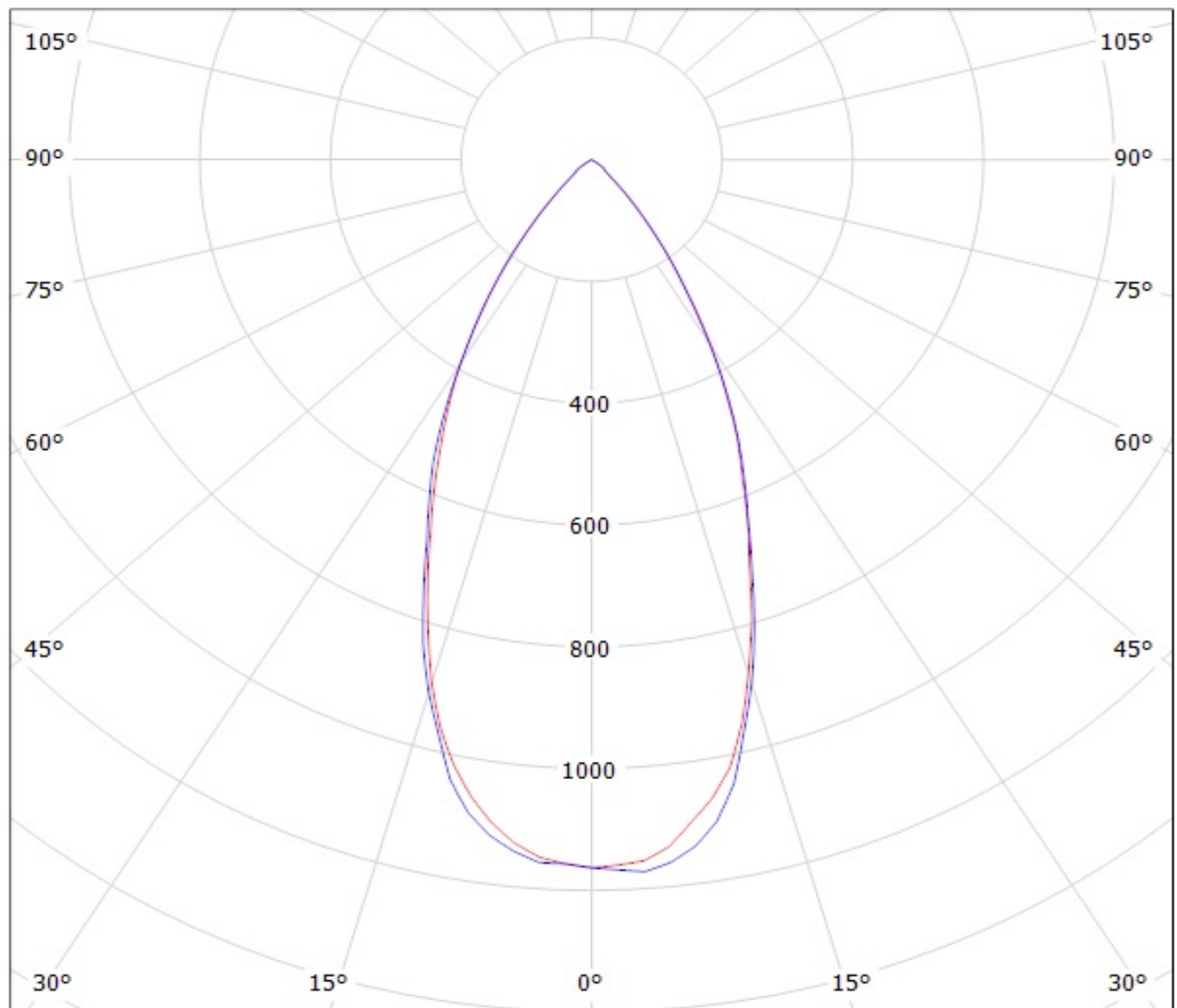
— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(BXRA\_ES\_STAR) Efficiency=84%  
Lamps: 1 x Bridgelux BXRA ES Star (C0402) 203lm @ 250mA CCT=7300K P=2.2W I=250mA



Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(Mini\_Zenigata\_GW5BJT) Efficiency=84%  
Lamps: 1 x Sharp Mini Zenigata (GW5BTJ) 378lm @ 250mA CCT=4100K P=4.5W I=250mA



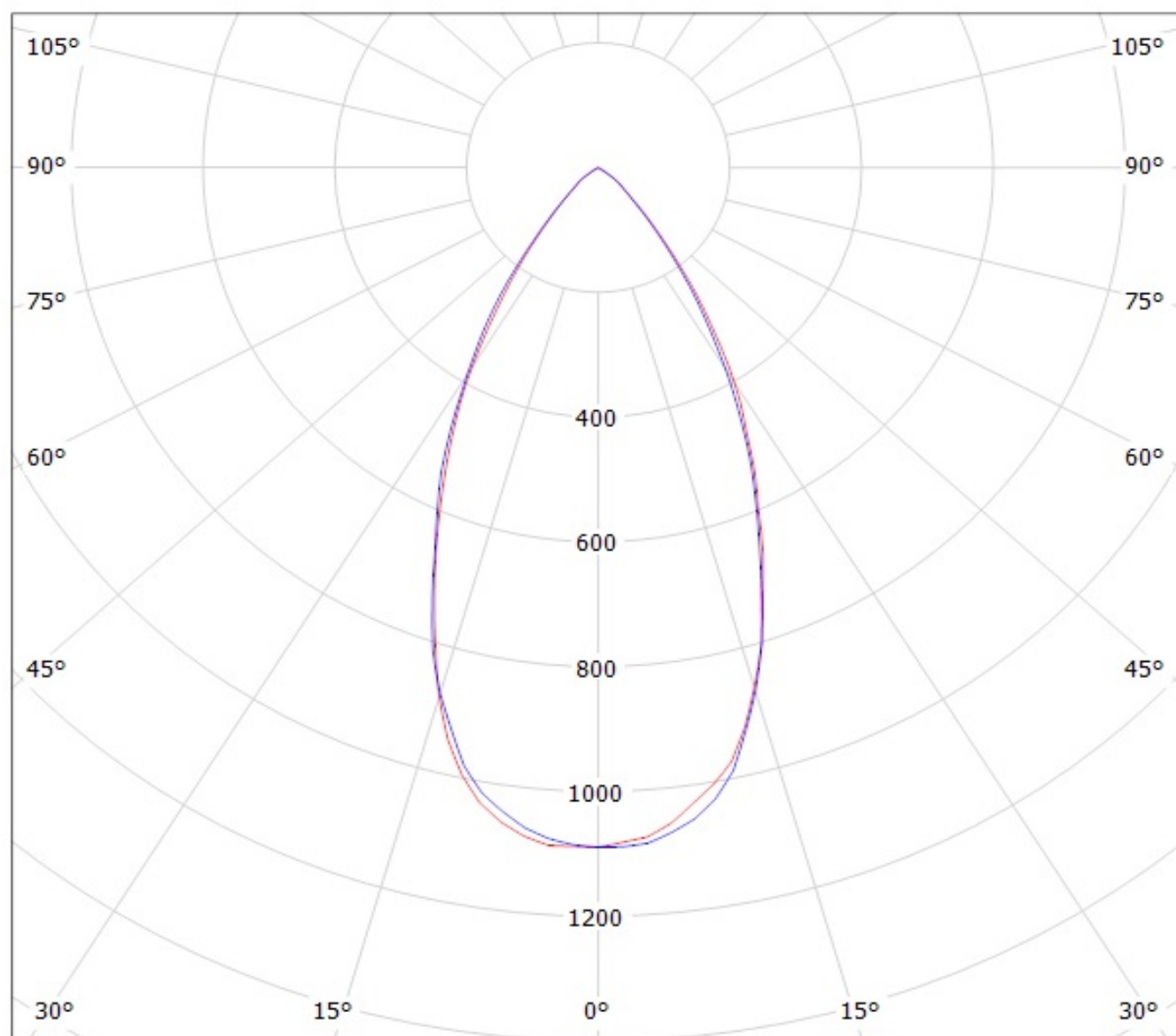
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13556\_BRIDGET-M-UNI\_(CLL020) Efficiency=84%

Lamps: 1 x Citizen CLL020 (CLL020.1202A5-303H1A7) 515lm @ 250mA CCT=3000K P=9.3W I=250mA



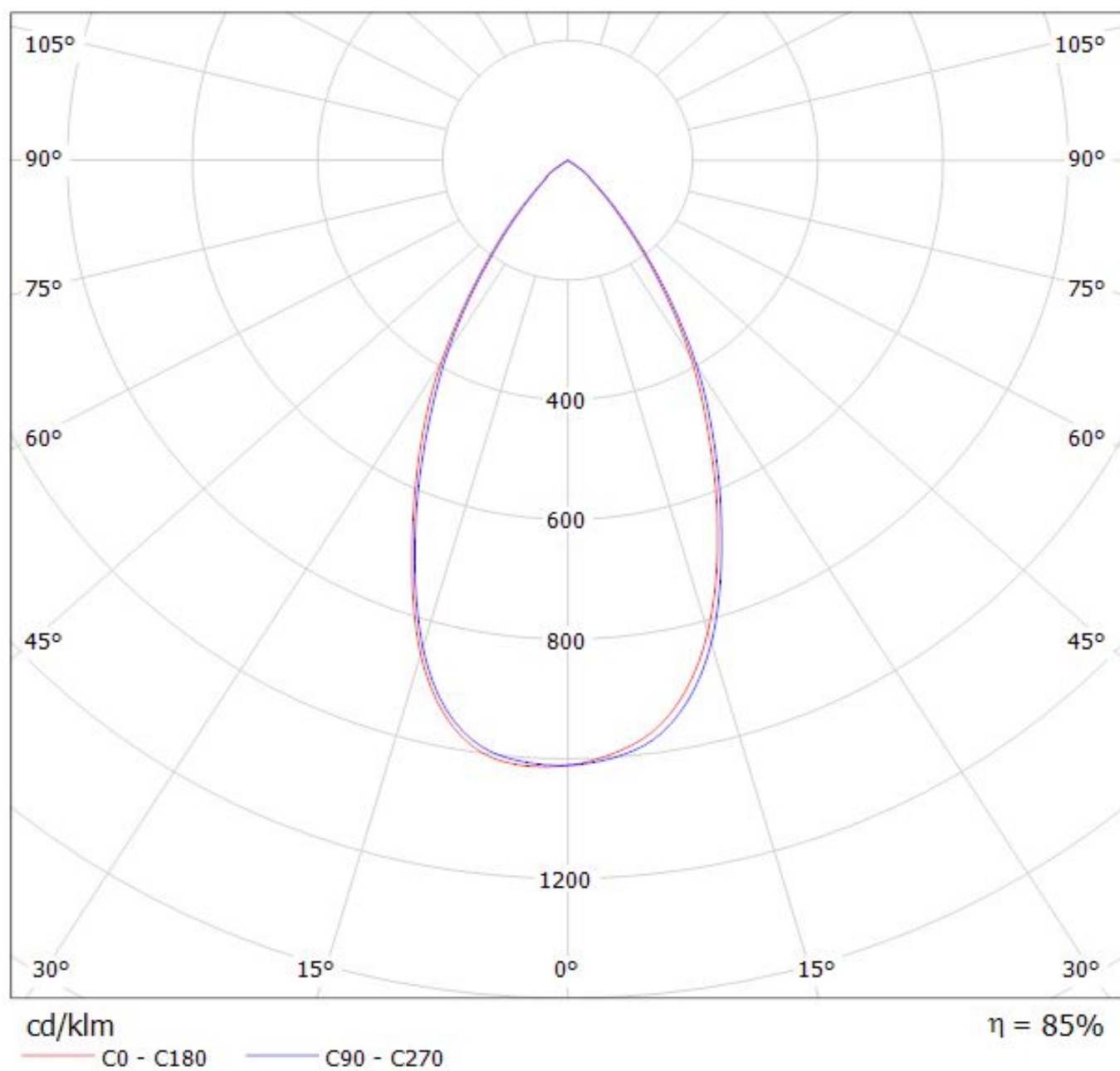
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(CXM-9)

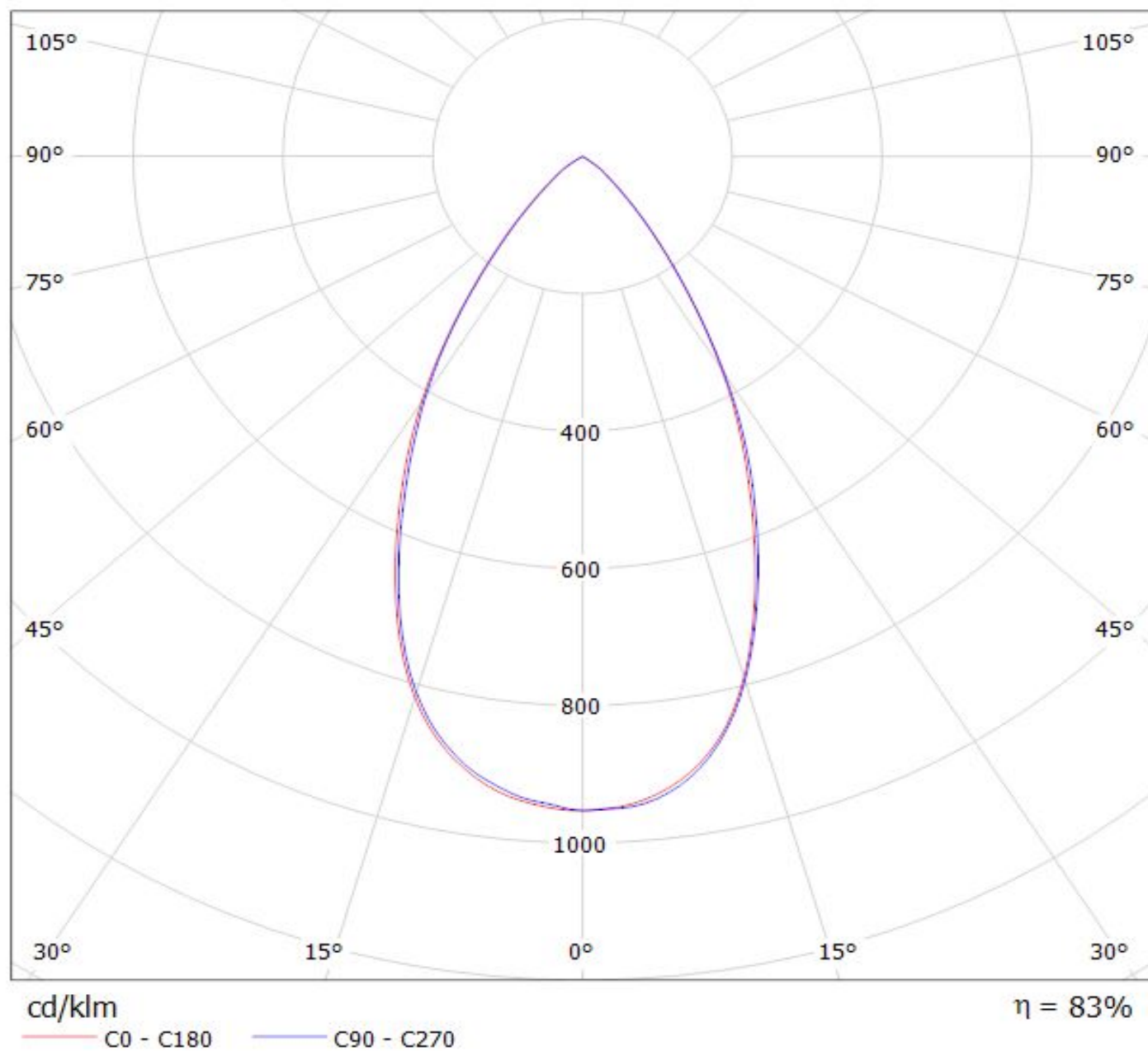
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_977.302lm@240mA\_P=8.28264W\_I=240mA





Luminaire: LEDiL Oy C13556\_BRIDGET-M-UNI\_(SLE-G5\_LES-11)

Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1168.86lm@250mA\_P=8.3243W\_I=0.250A



**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.
- 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! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

**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.**