

## DETAILS

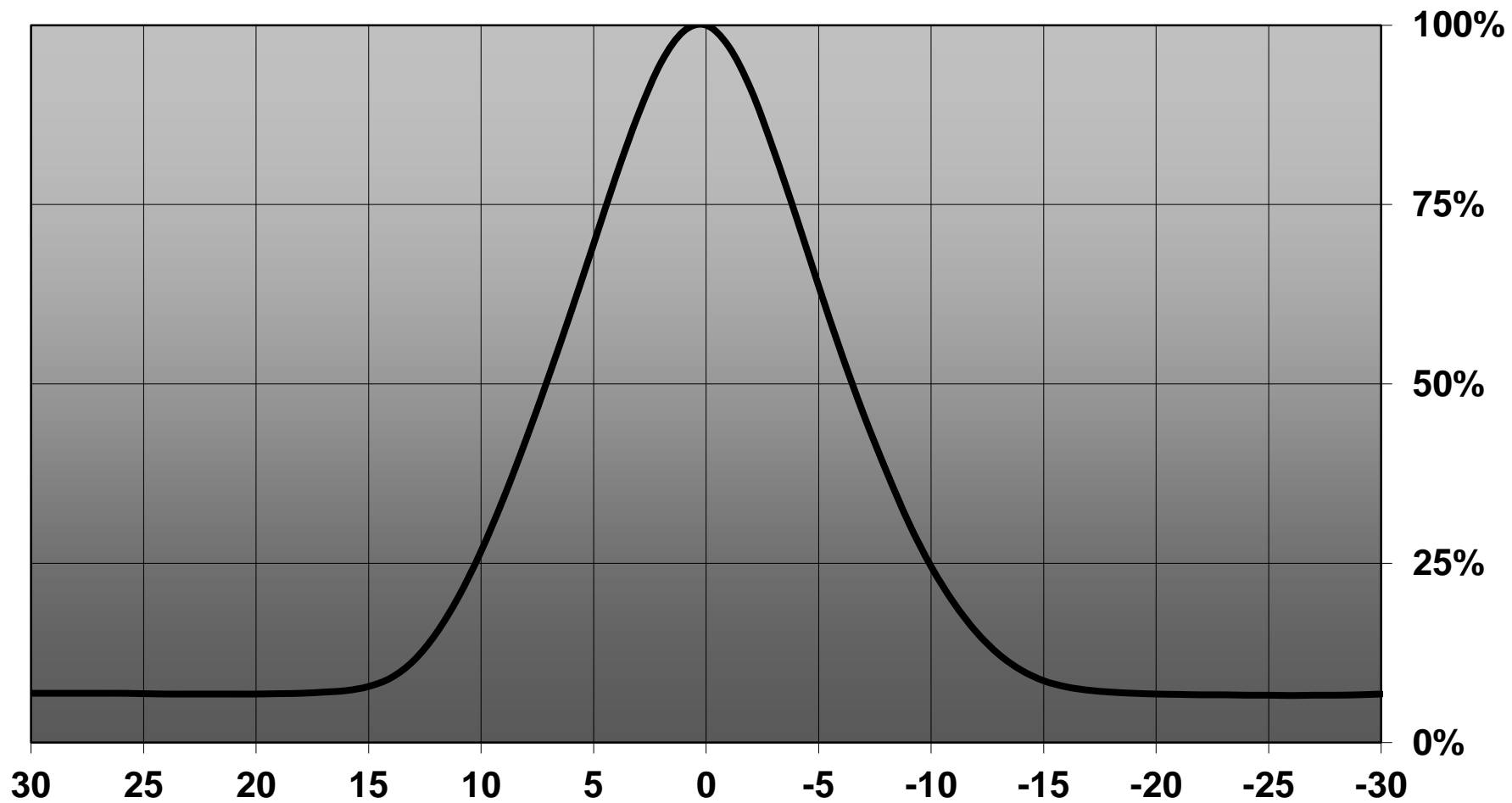
<b>Product Number</b>	C13557_BRIDGET-S-UNI
<b>Family</b>	Bridget
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	22.6 mm
<b>Height</b>	12.8 mm
<b>Style</b>	hexag
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	glue
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	8/05/2015



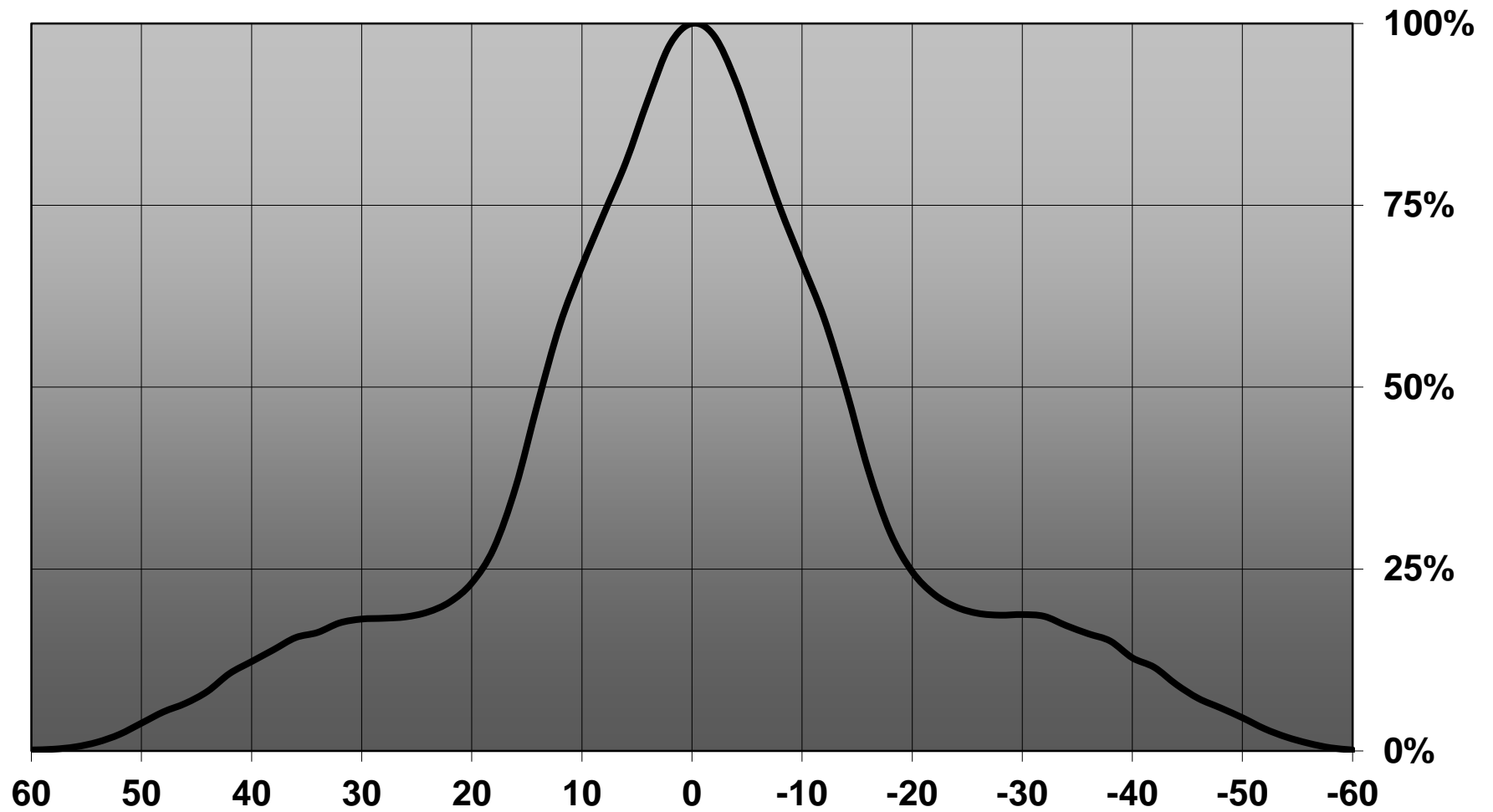
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
XP-L HI	14 deg	Spot	90 %	5.000	-
CLU700	26 deg	Spot	87 %	1.900	-
Soleriq P6	28 deg	Spot	82 %	1.940	-
BXRA ES Star	35 deg	Spot	86 %	1.300	-
Soleriq P9	39 deg	Spot	86 %	1.230	-
CXA/B 15xx	39 deg	Spot	87 %	1.300	-
Mini Zenigata (GW5BM)	42 deg	Spot	87 %	1.200	-
CLL02x/CLU024	44 deg	Spot	85 %	1.100	-
CXM-9	45 deg	Spot	87 %	1.100	-

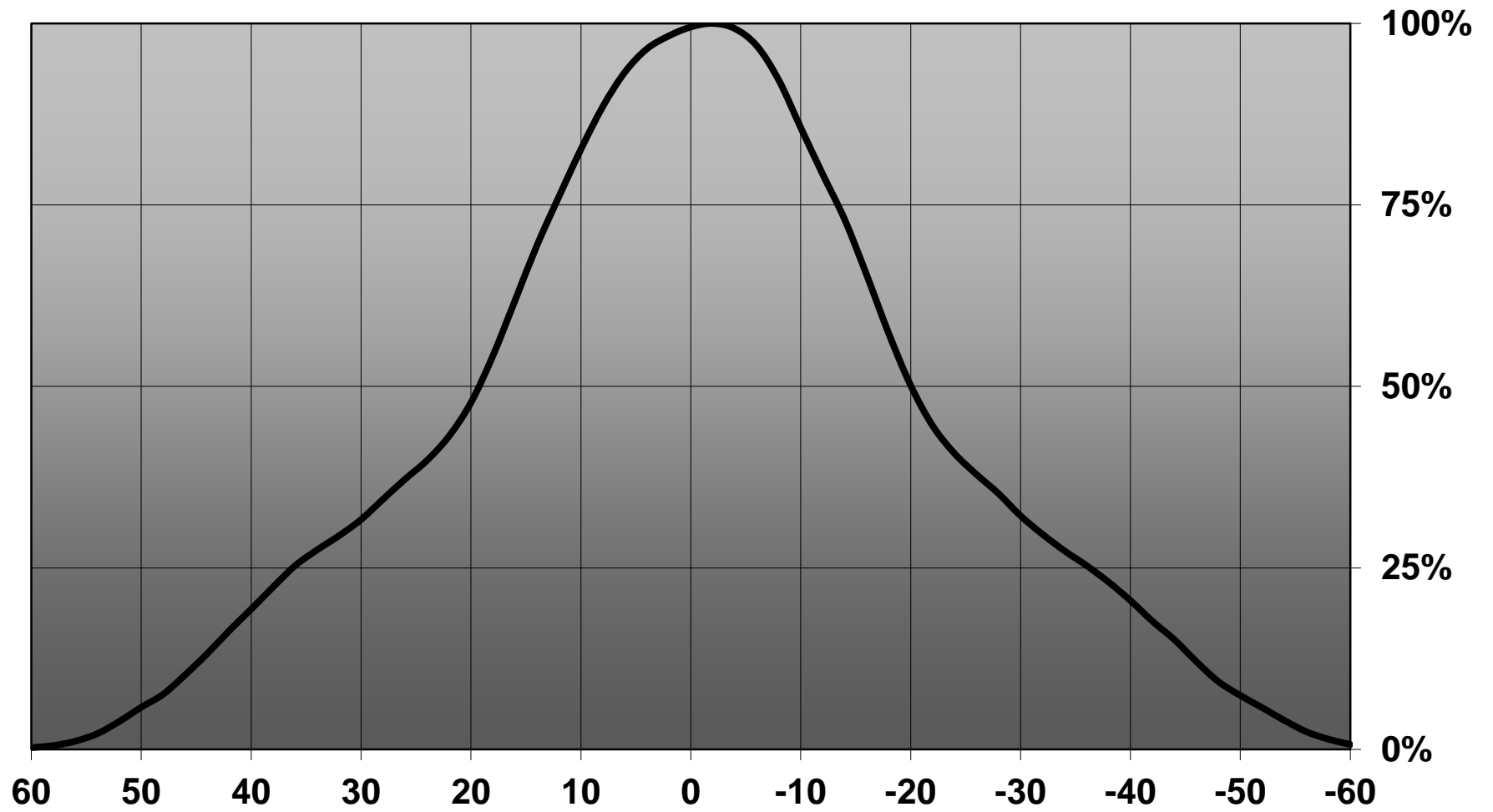
Relative intensity of C13557\_BRIDGET-S-UNI\_(XP-L\_HI)



Relative intensity of C13557\_BRIDGET-S-UNI\_(Soleriq P6)



Relative intensity of C13557\_BRIDGET-S-UNI\_(Soleriq P9)

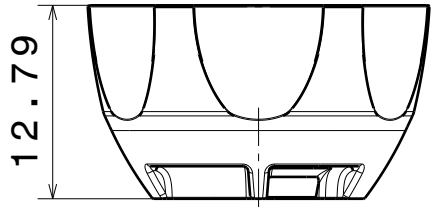


D

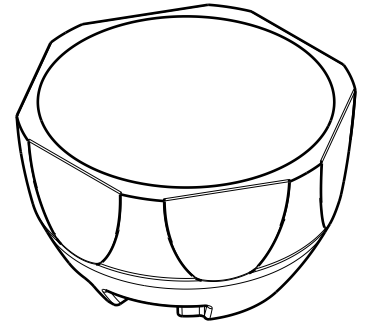
C

B

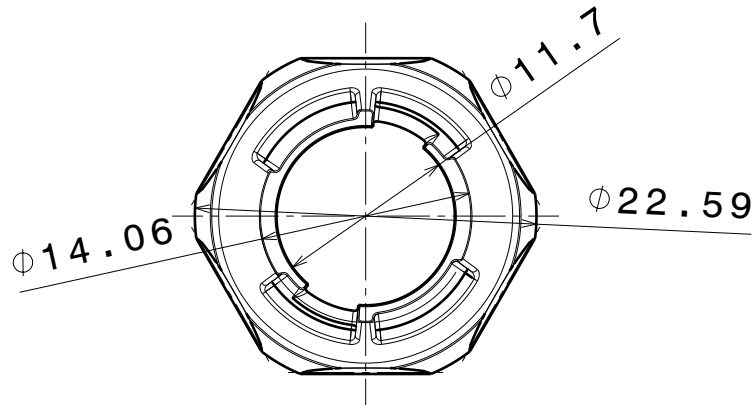
A



Front view



Isometric view



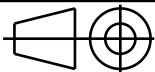
Bottom view

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

LEDiL

Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

BRIDGET\_UNI\_Datasheet

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 of LEDiL Oy. It may not be  
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SIZE PART NUMBER

A4

-

SCALE 2:1 WEIGHT

-

SHEET 1/1

D

A

4

4

3

3

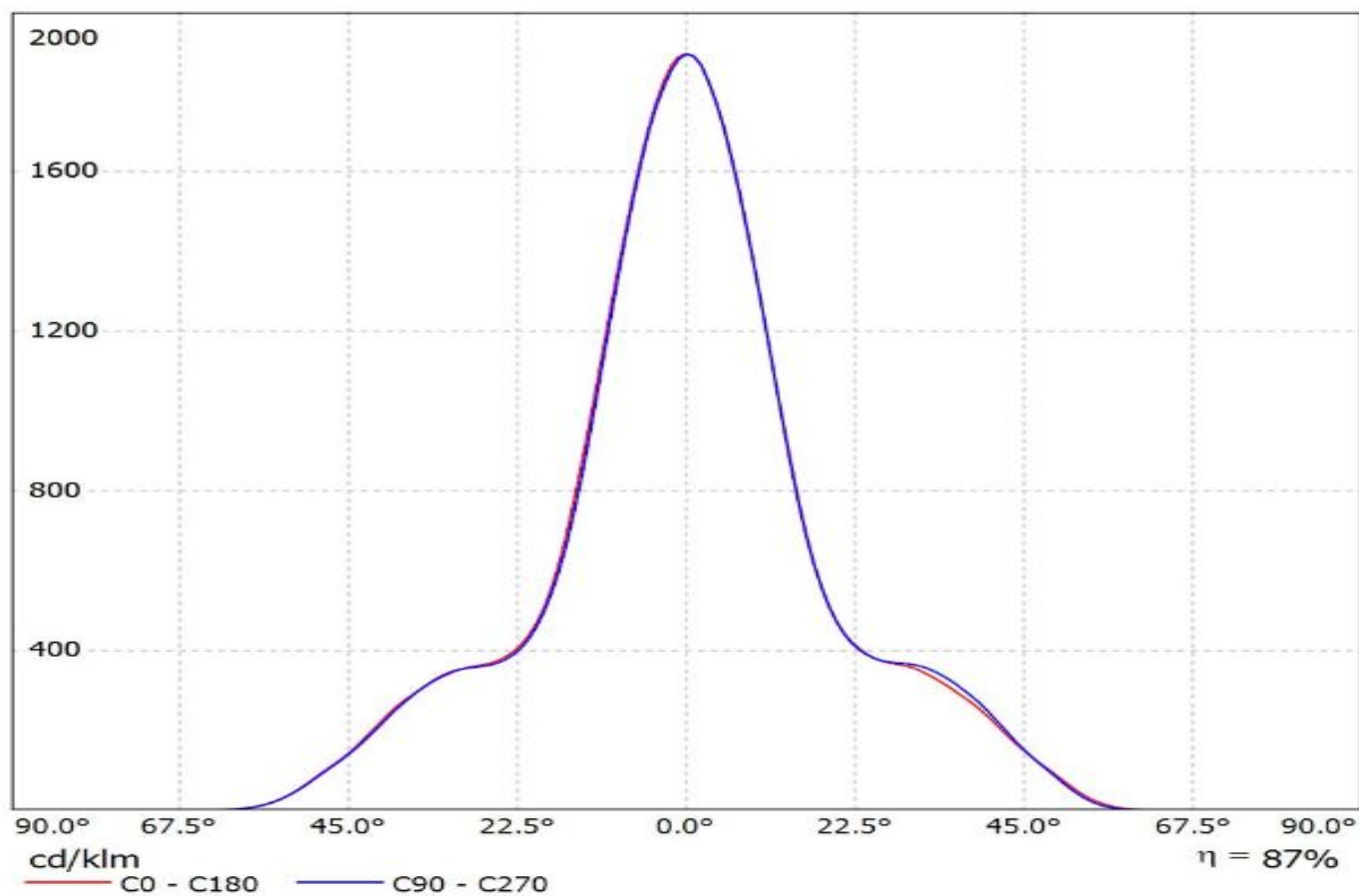
2

2

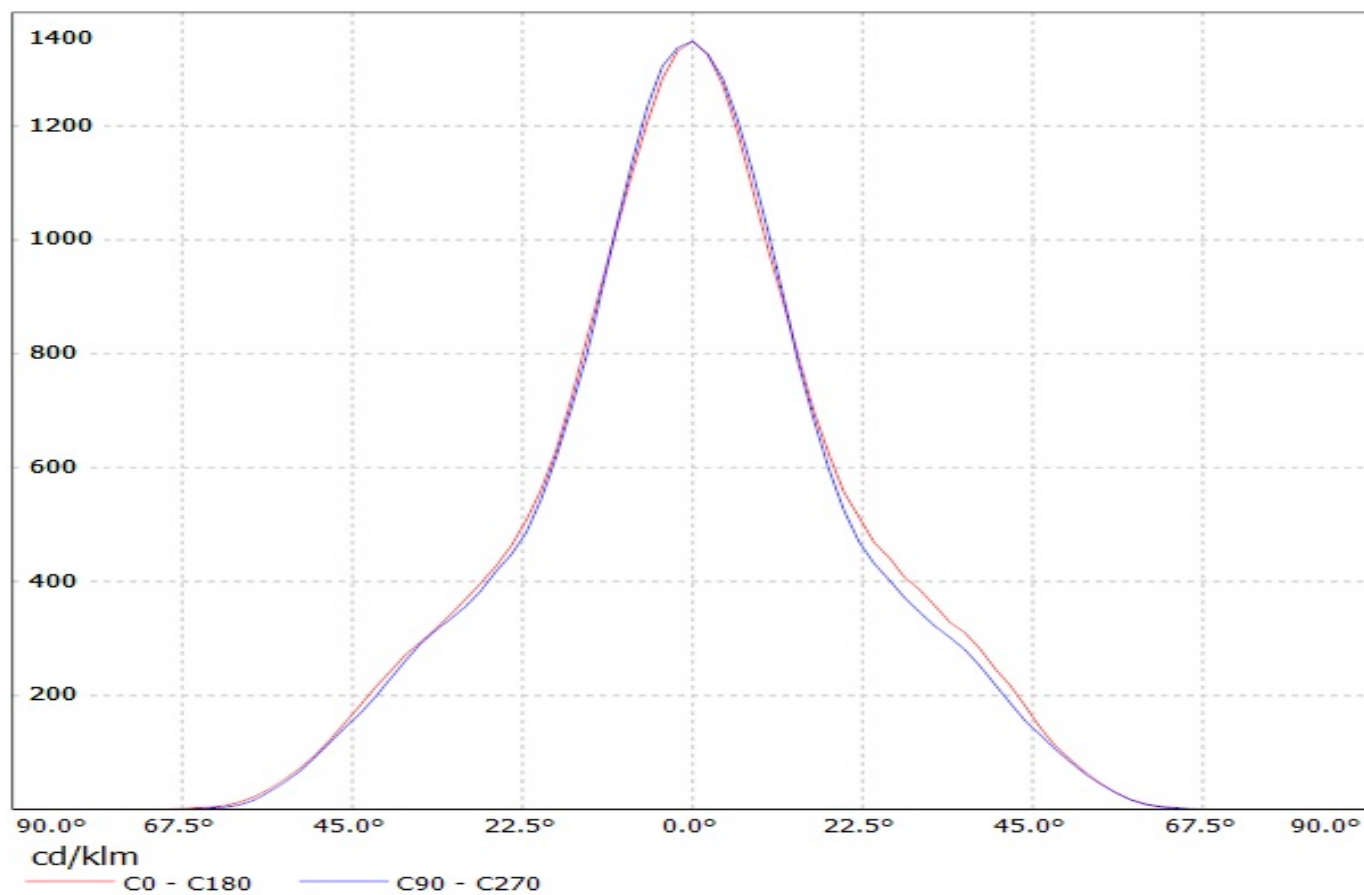
1

1

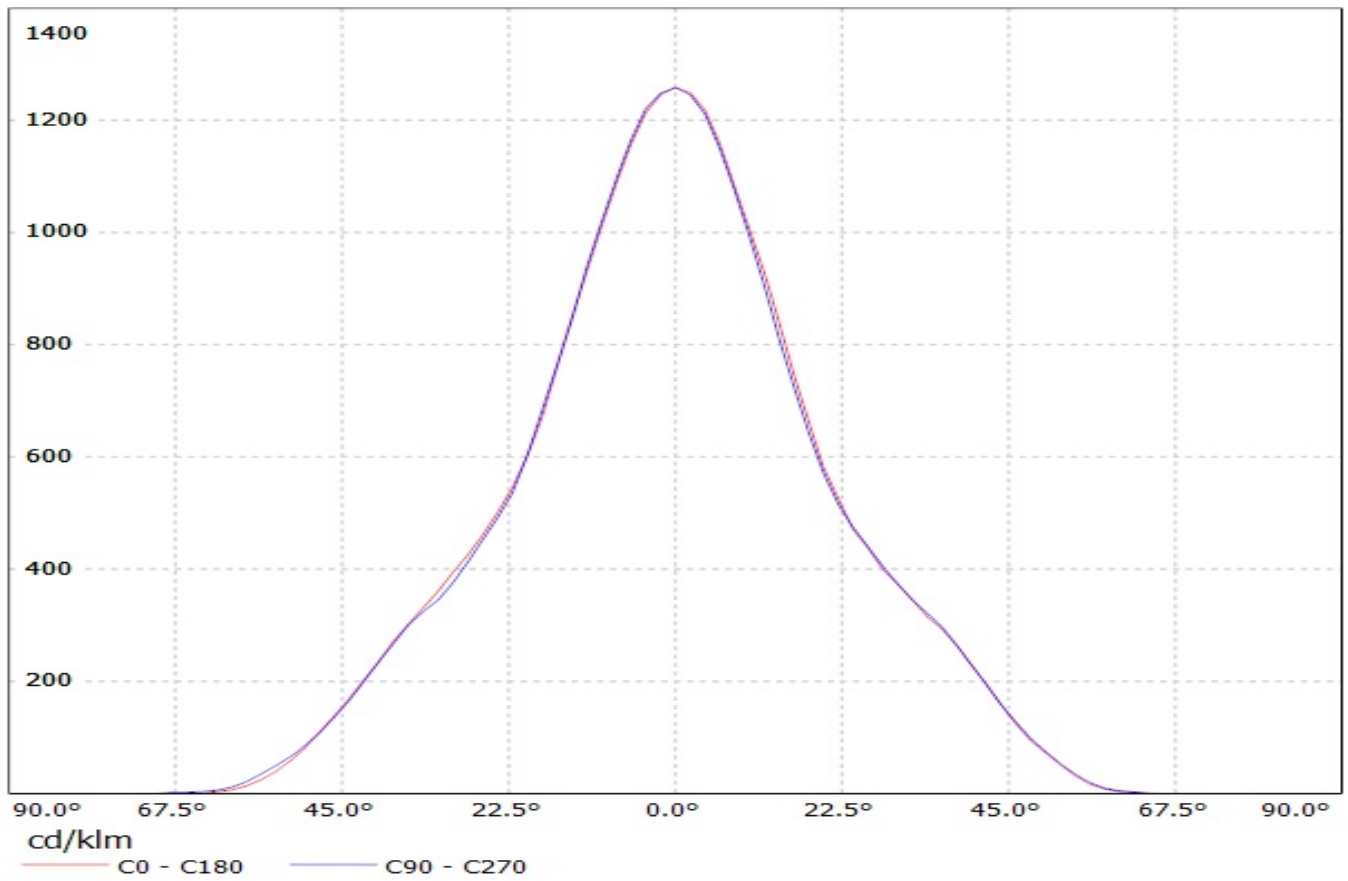
Luminaire: Ledil C13557\_BRIDGET-S-UNI\_(CLU700)  
Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A



Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(BXRA\_ES\_STAR) Efficiency=86%  
Lamps: 1 x Bridgelux BXRA ES Star (C0402) 203lm @ 250mA CCT=7300K P=2.2W I=250mA

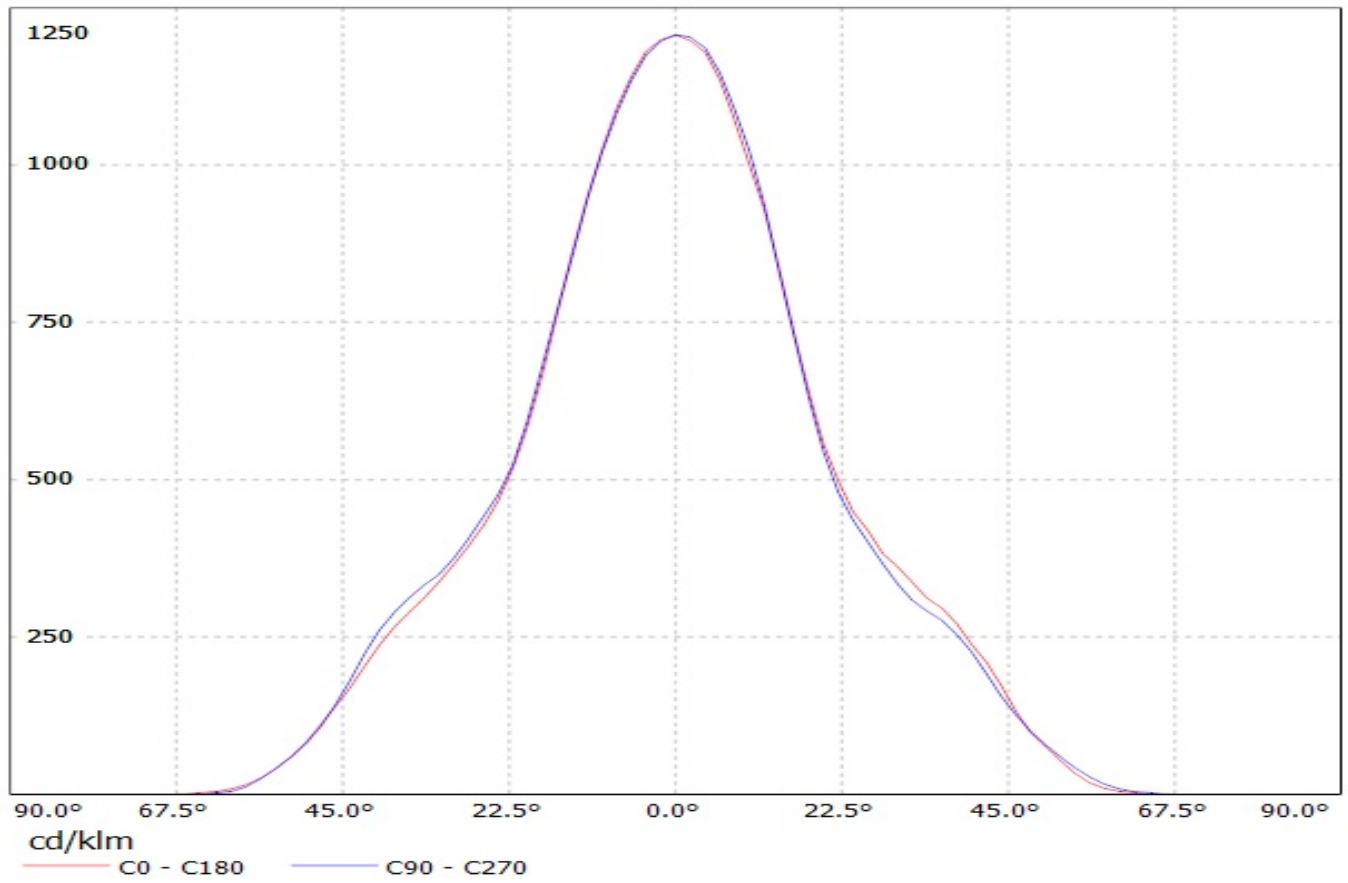


Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(CXA15) Efficiency=87%  
Lamps: 1 x Cree CXA15 (CXA1507-30F-F2-N0A-00000) 218lm @ 250mA CCT=3100K P=1.7W I=250mA

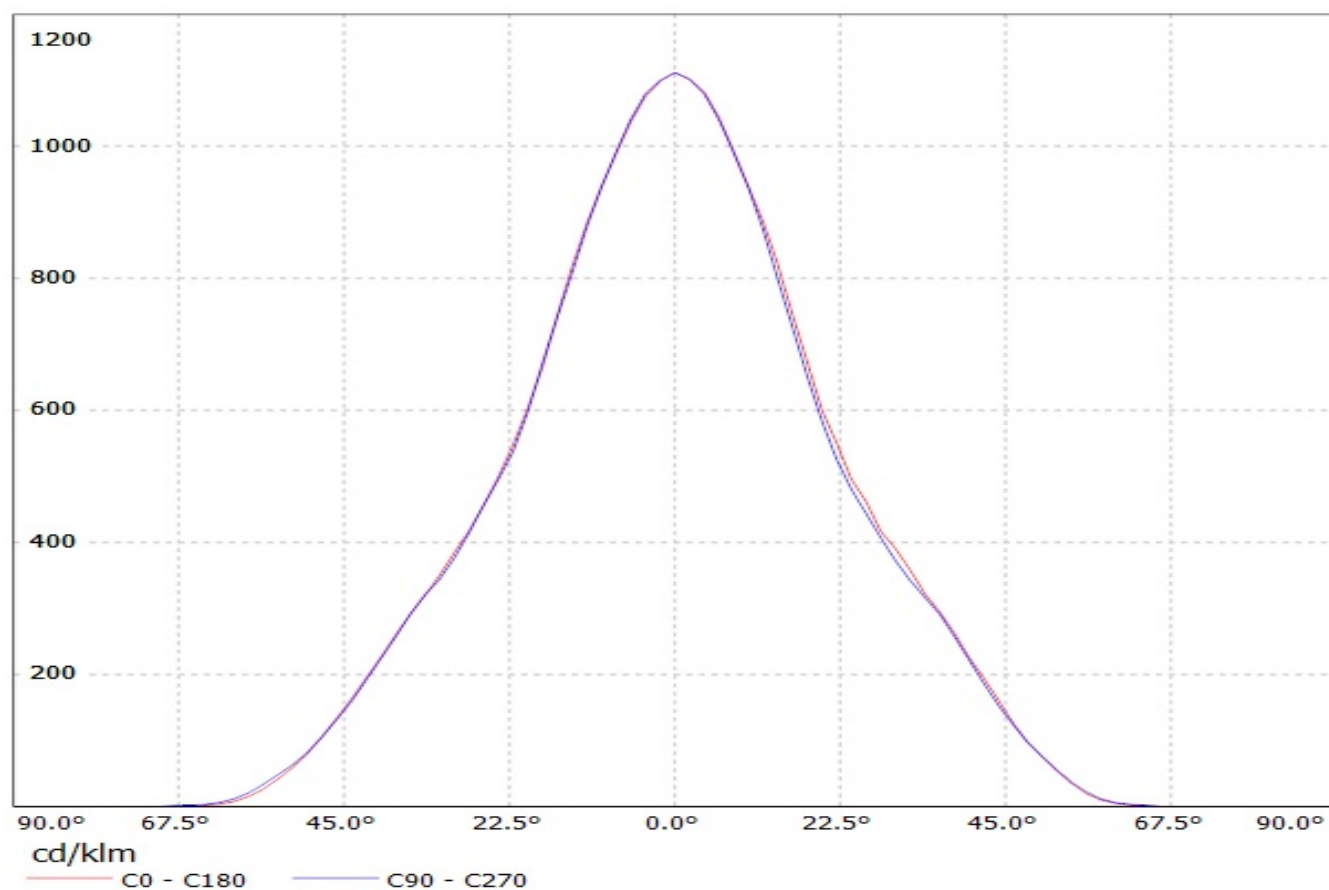




Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(Mini\_Zenigata\_GW5BJT) Efficiency=87%  
Lamps: 1 x Sharp Mini Zenigata (GW5BTJ) 378lm @ 250mA CCT=4100K P=4.5W I=250mA

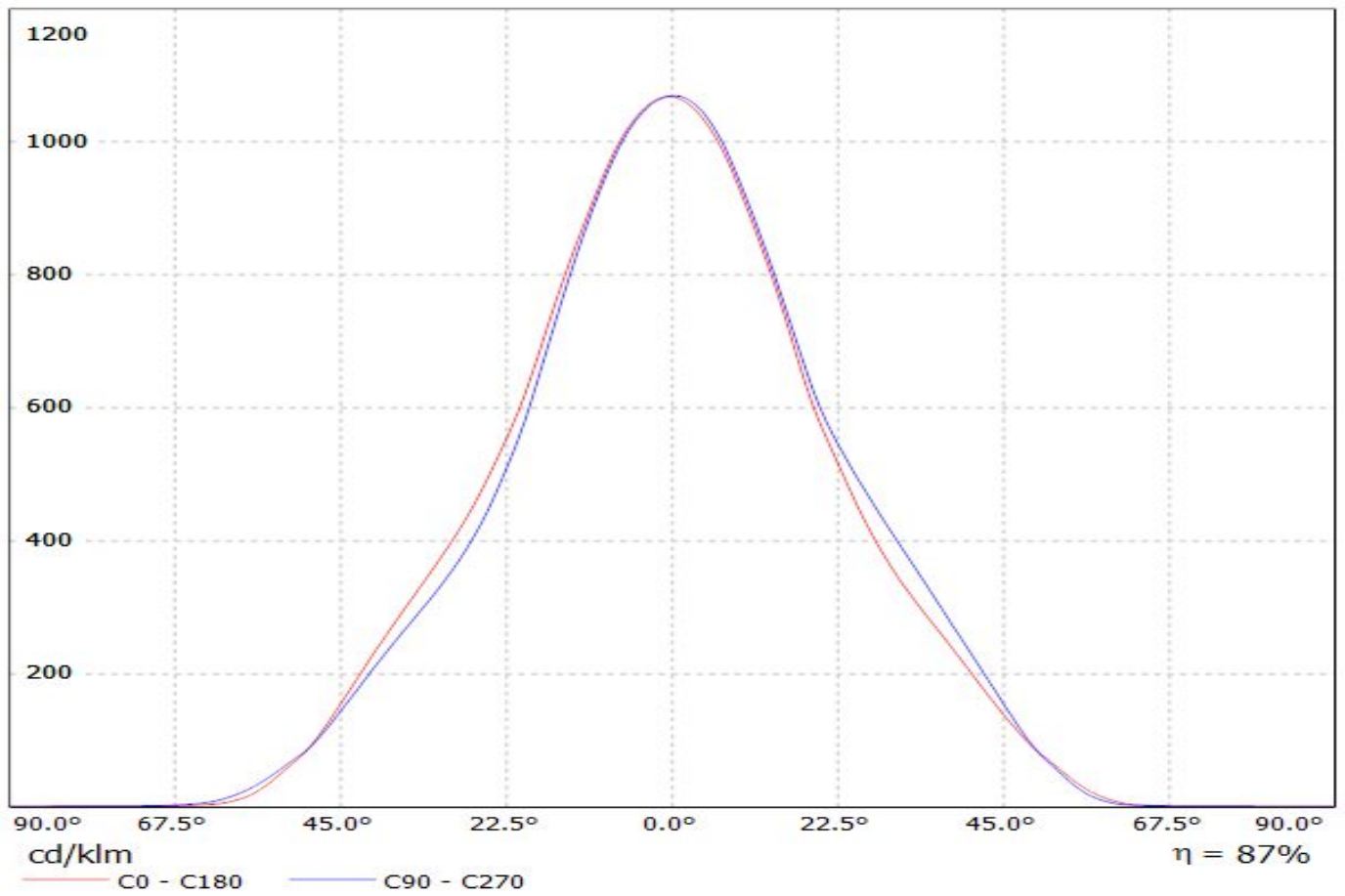


Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(CLL020) Efficiency=85%  
Lamps: 1 x Citizen CLL020 (CLL020-1202A5-303H1A7) 515lm @ 250mA CCT=3000K P=9.3W I=250mA



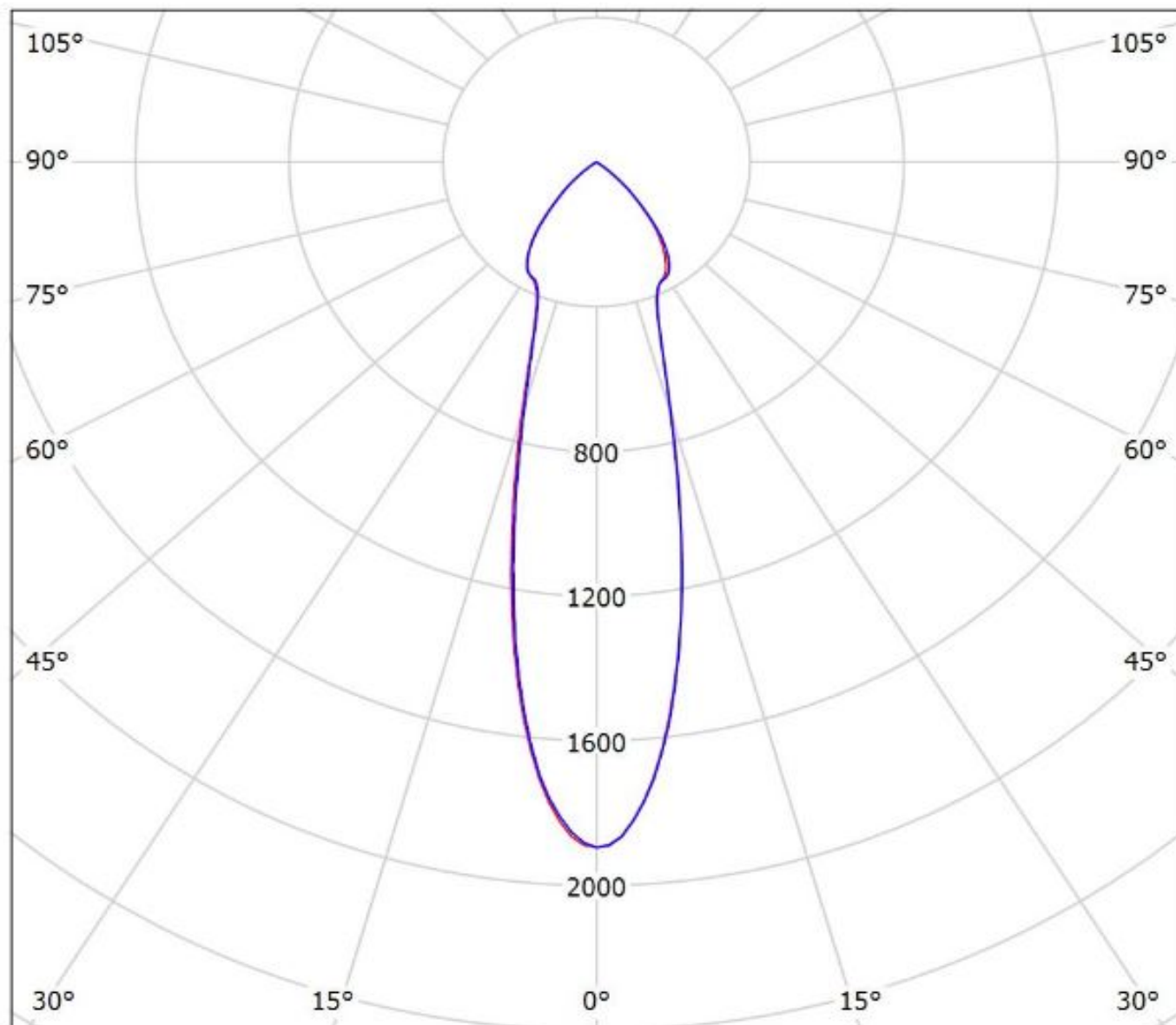
Luminaire: LEDiL Oy C13557\_BRIDGET-S-UNI\_(CXM-9)

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



Luminaire: Ledil C13557\_BRIDGET-S-UNI\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A

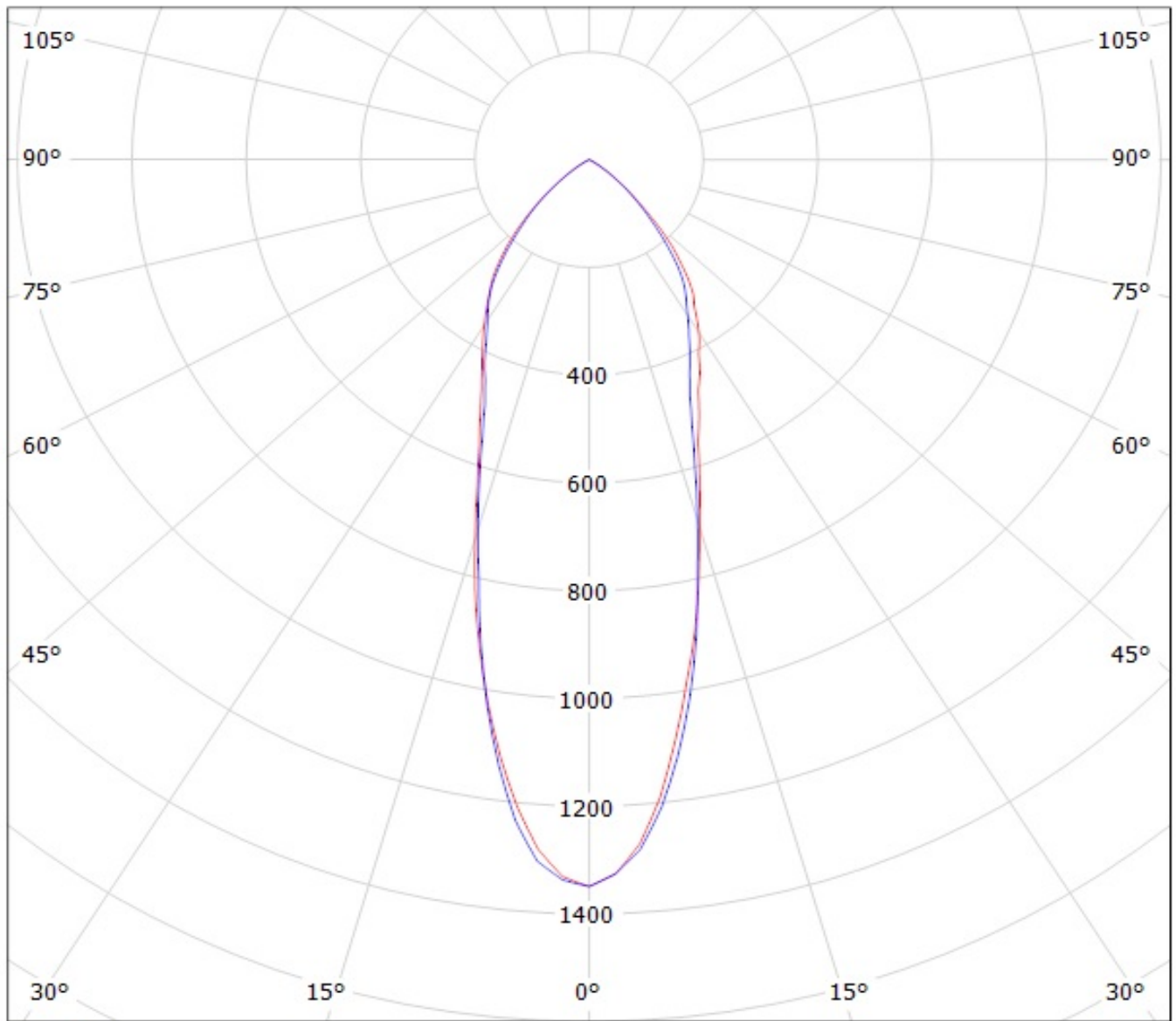


cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(BXRA\_ES\_STAR) Efficiency=86%  
Lamps: 1 x Bridgelux BXRA ES Star (C0402) 203lm @ 250mA CCT=7300K P=2.2W I=250mA

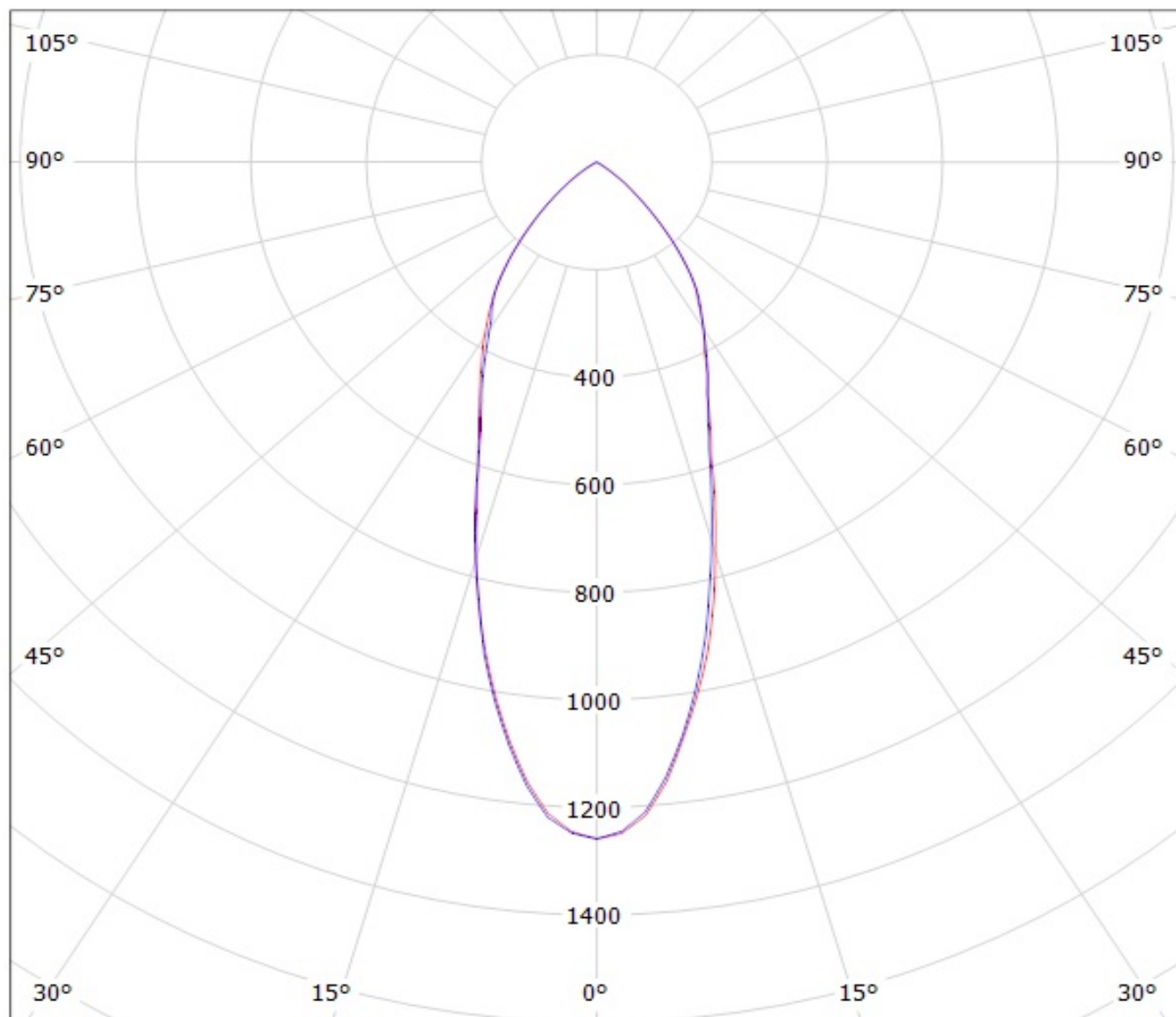


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(CXA15) Efficiency=87%  
Lamps: 1 x Cree CXA15 (CXA1507-30F-F2-N0A-00000) 218lm @ 250mA CCT=3100K P=1.7W I=250mA

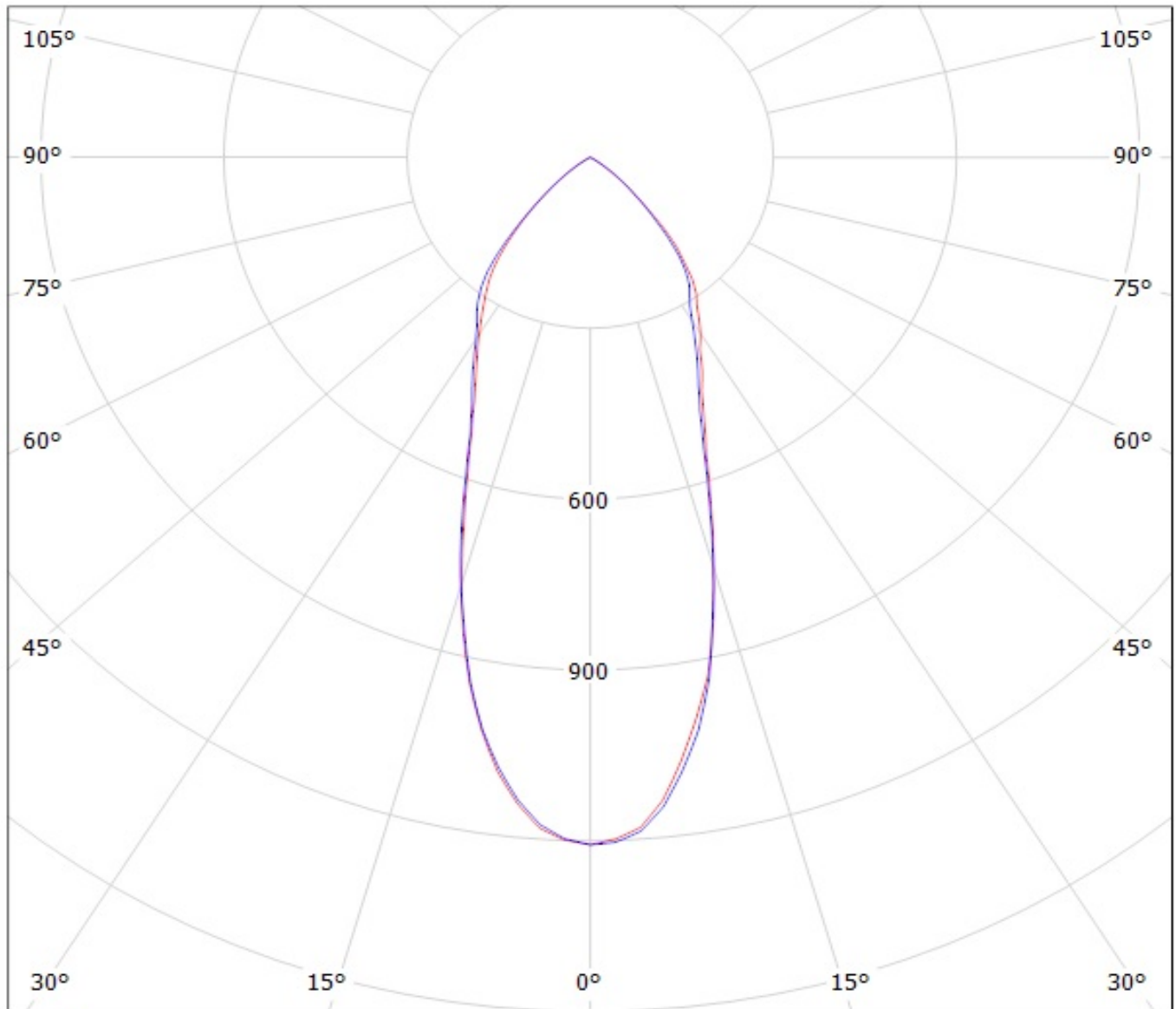


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(Mini\_Zenigata\_GW5BJT) Efficiency=87%  
Lamps: 1 x Sharp Mini Zenigata (GW5BTJ) 378lm @ 250mA CCT=4100K P=4.5W I=250mA



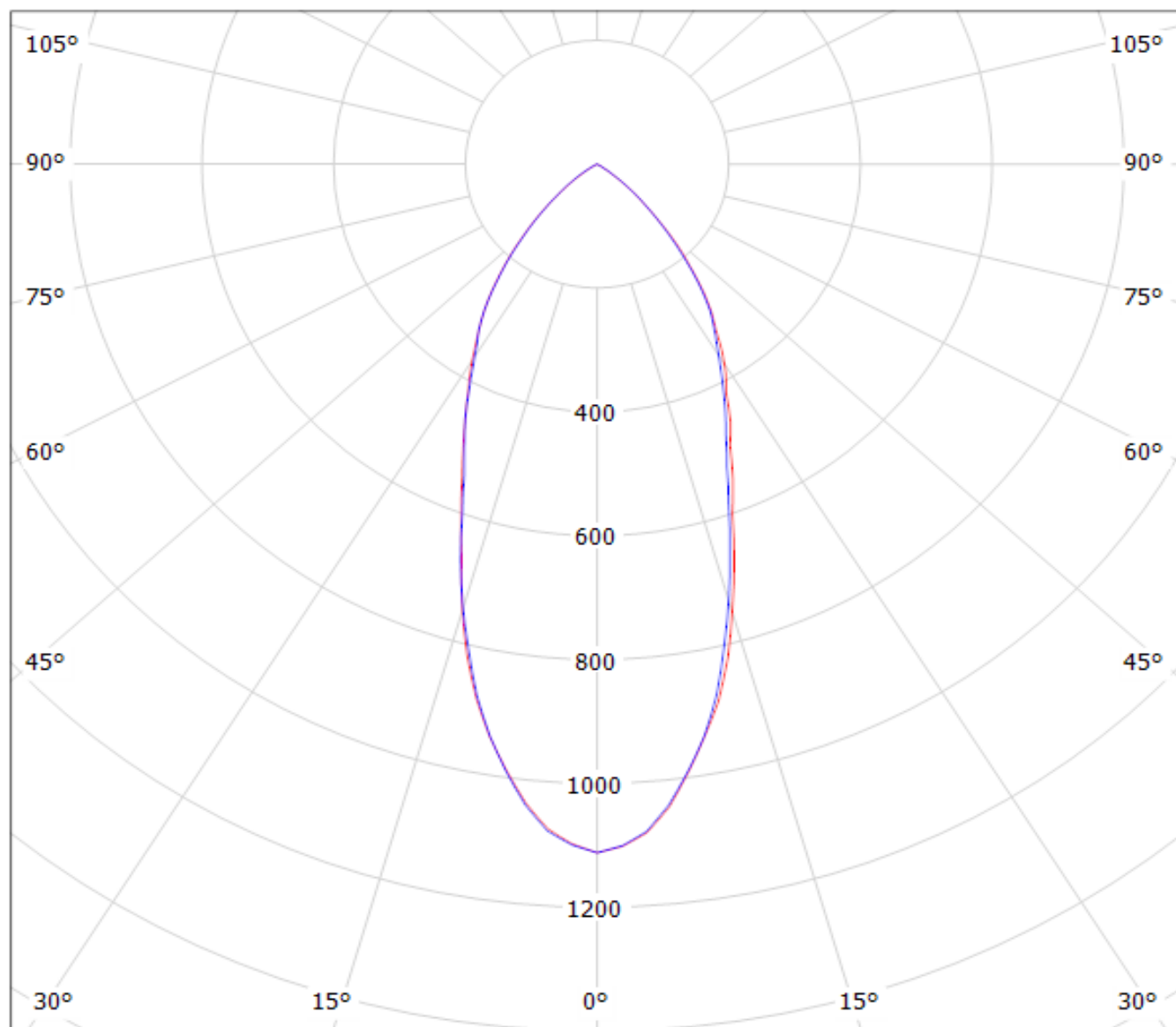
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13557\_BRIDGET-S-UNI\_(CLL020) Efficiency=85%

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



cd/klm

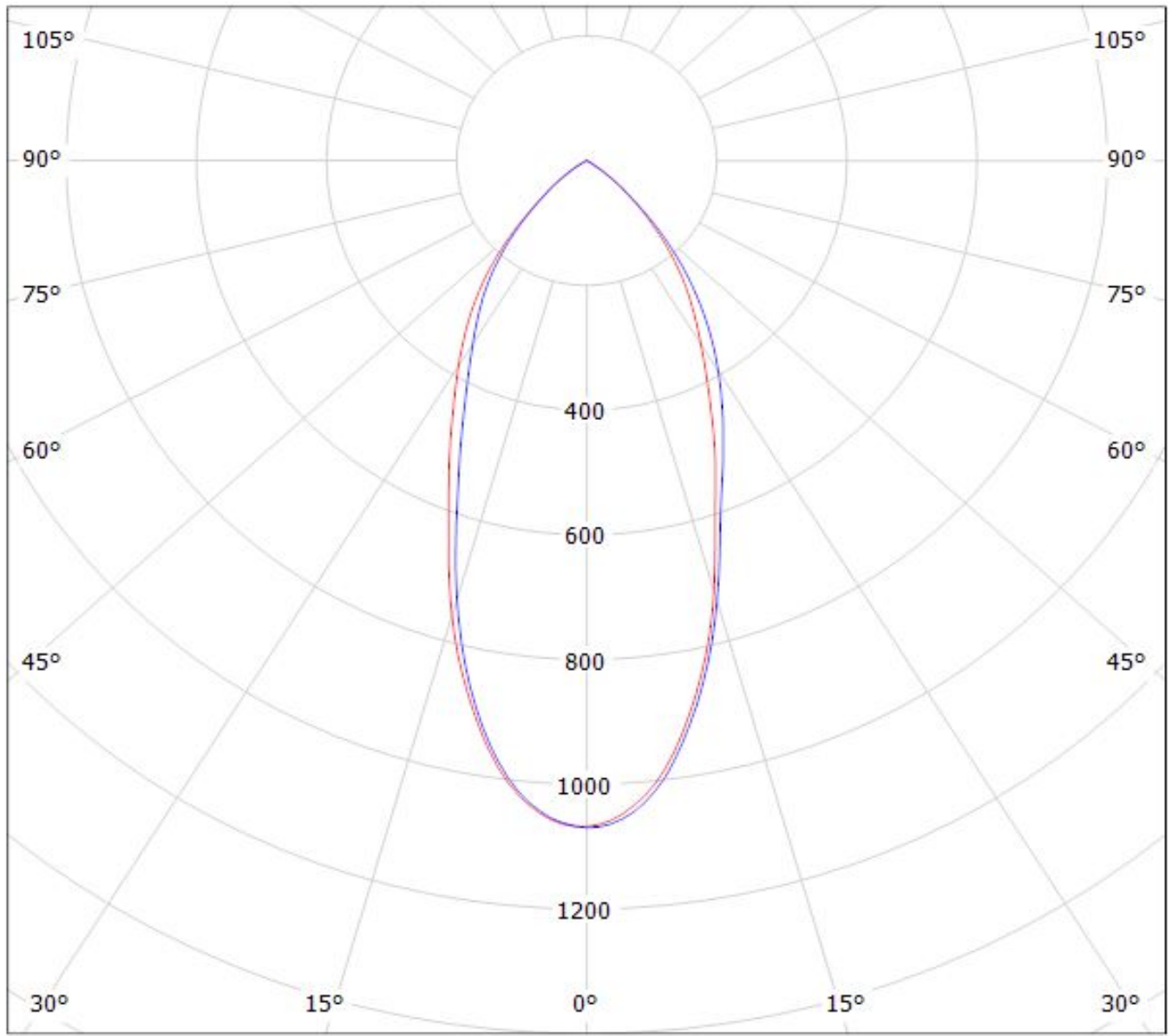
— C0 - C180

— C90 - C270



Luminaire: LEDiL Oy C13557\_BRIDGET-S-UNI\_(CXM-9)

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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

**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! 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.**