

## DETAILS

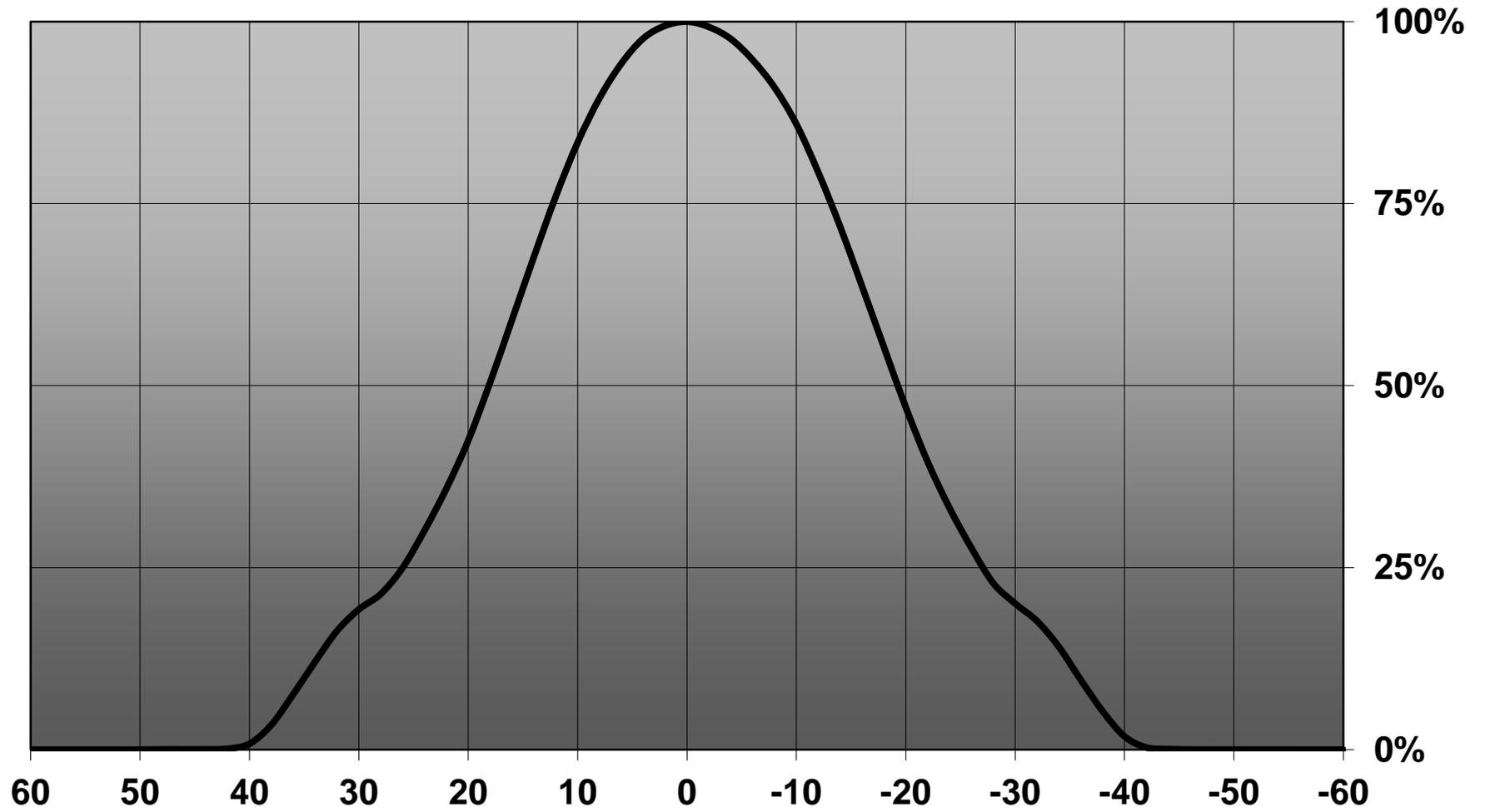
<b>Product Number</b>	C11553_BARBARA-W
<b>Family</b>	Barbara
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	70 mm
<b>Height</b>	44,7 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	glue
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	10/02/2015

## OPTICAL PROPERTIES

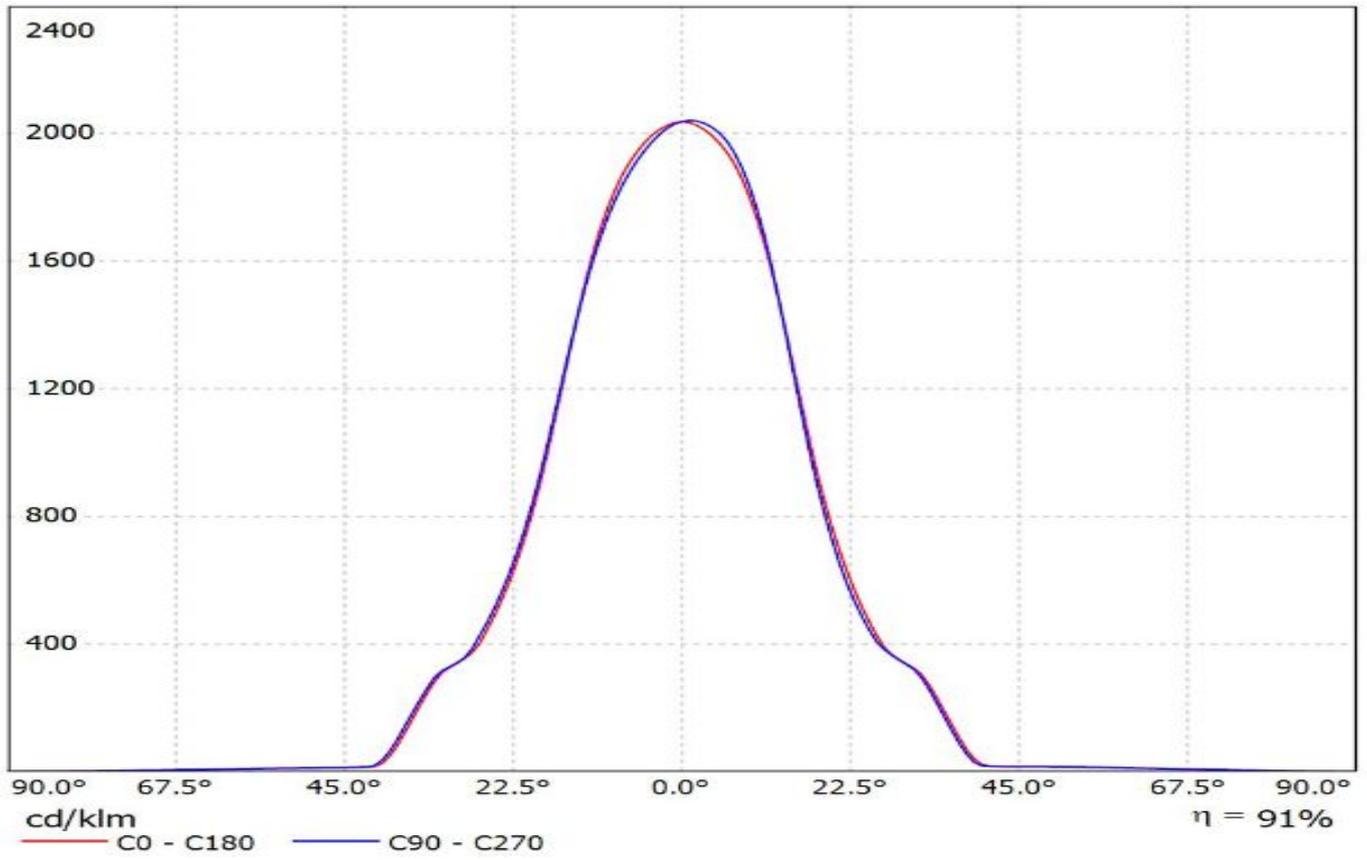
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
CLU730	sim: 37	Wide	sim: 91 %	sim: 1.960	-
NSBxL110	31 deg	Wide	90 %	-	-
CL-L330	35 deg	Wide	90 %	2.500	-
CLU720	35 deg	Wide	91 %	2.000	-
BXRA ES Rectangle	37 deg	Wide	90 %	2.010	-
COB 10W/13W/17W/24W	37 deg	Wide	89 %	2.000	-
CXA2011	40 deg	Wide	90 %	1.560	-
SLE G5 LES15	40 deg	Wide	90 %	1.780	-
CXM-14	41 deg	Wide	90 %	1.700	-
CLL03x/CLU034/CLU036	42 deg	Wide	89 %	1.800	-
STARK SLE PURE G3 LES17	43 deg	Wide	91 %	1.610	-



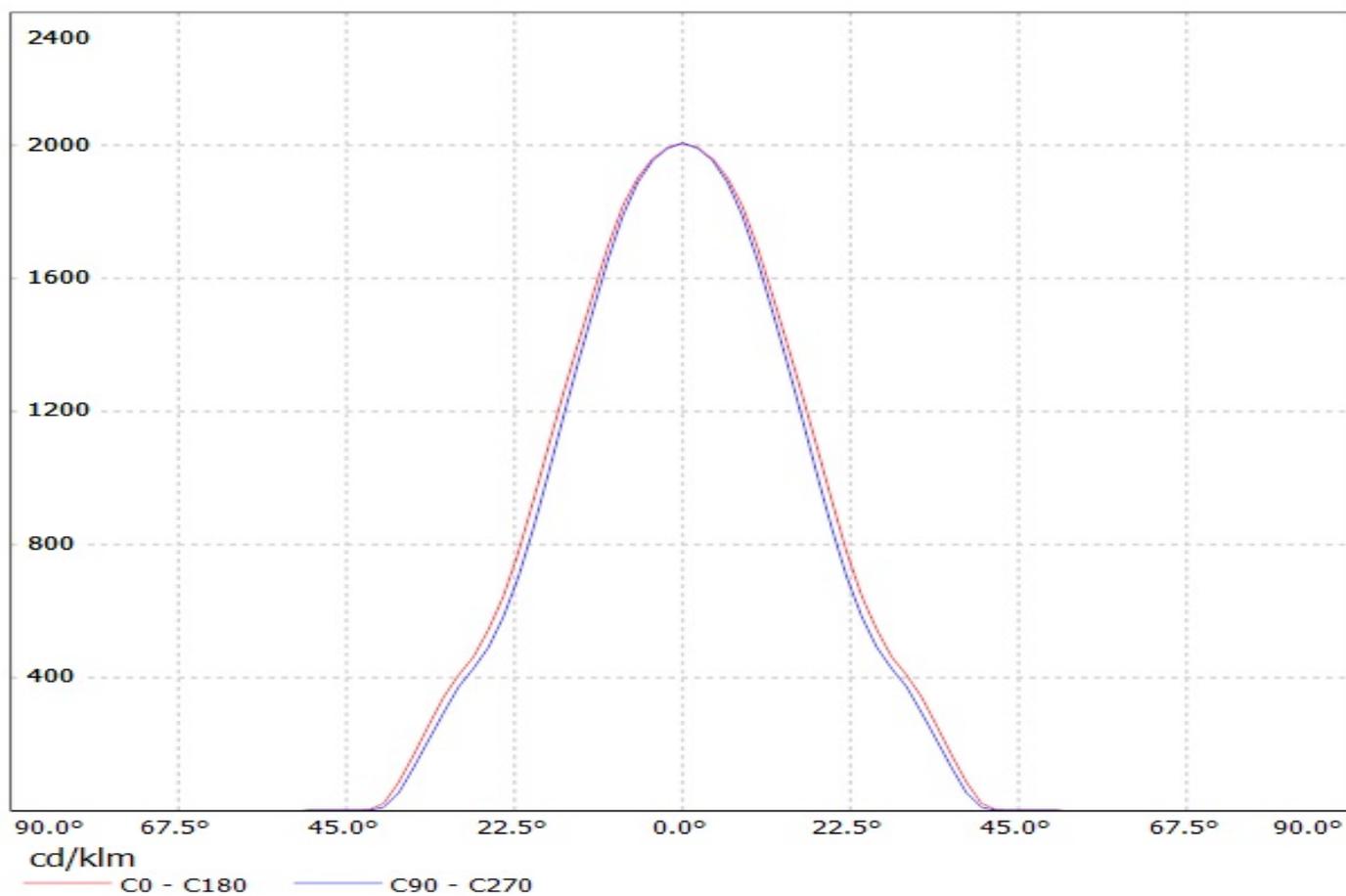
Relative intensity of C11553\_BARBARA-W (COB-10W)



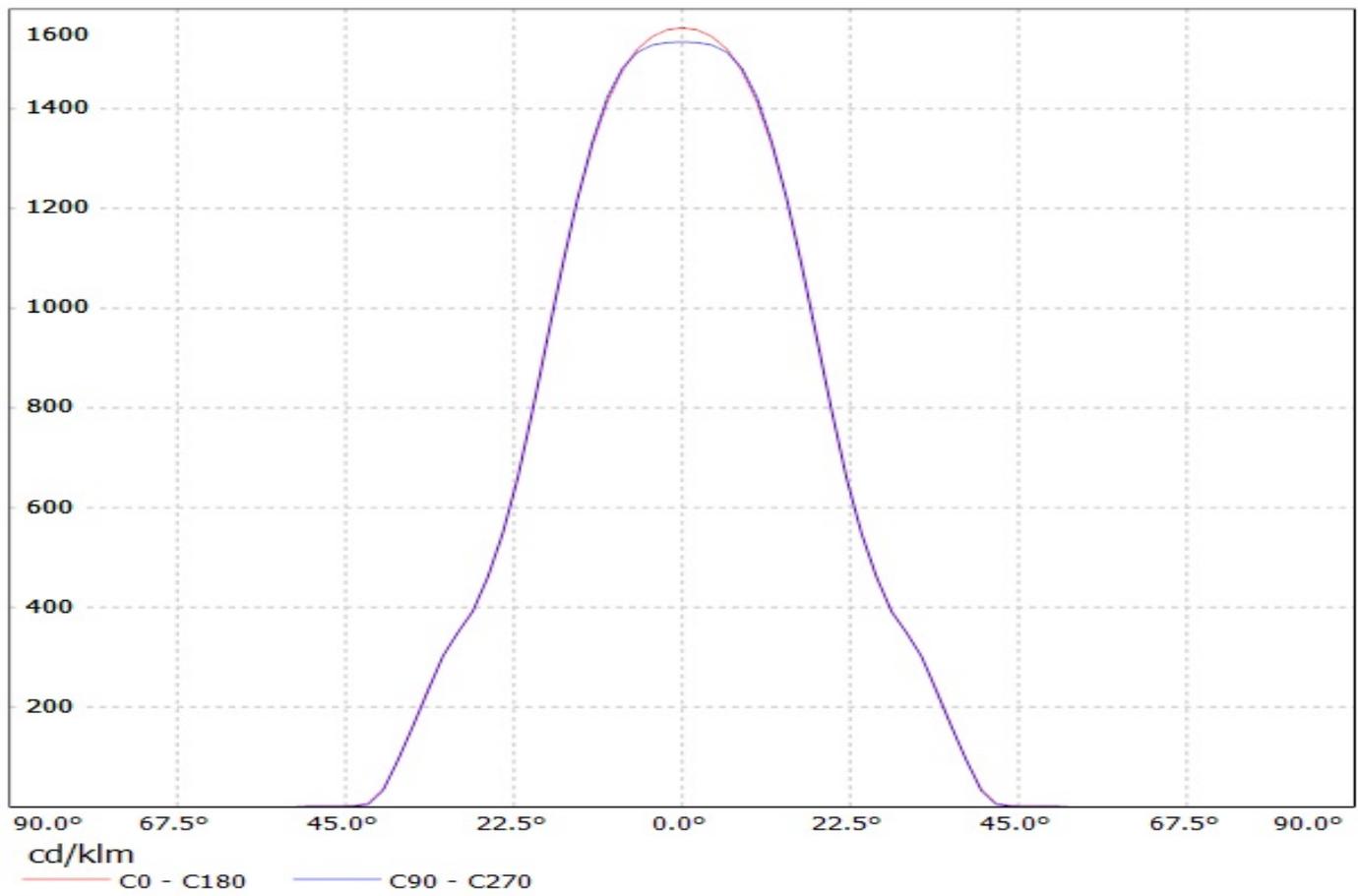
Luminaire: Ledil C11553\_BARBARA-W\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1298.17lm@250mA\_CCT=2700K\_P=8.3W\_I=0.25A



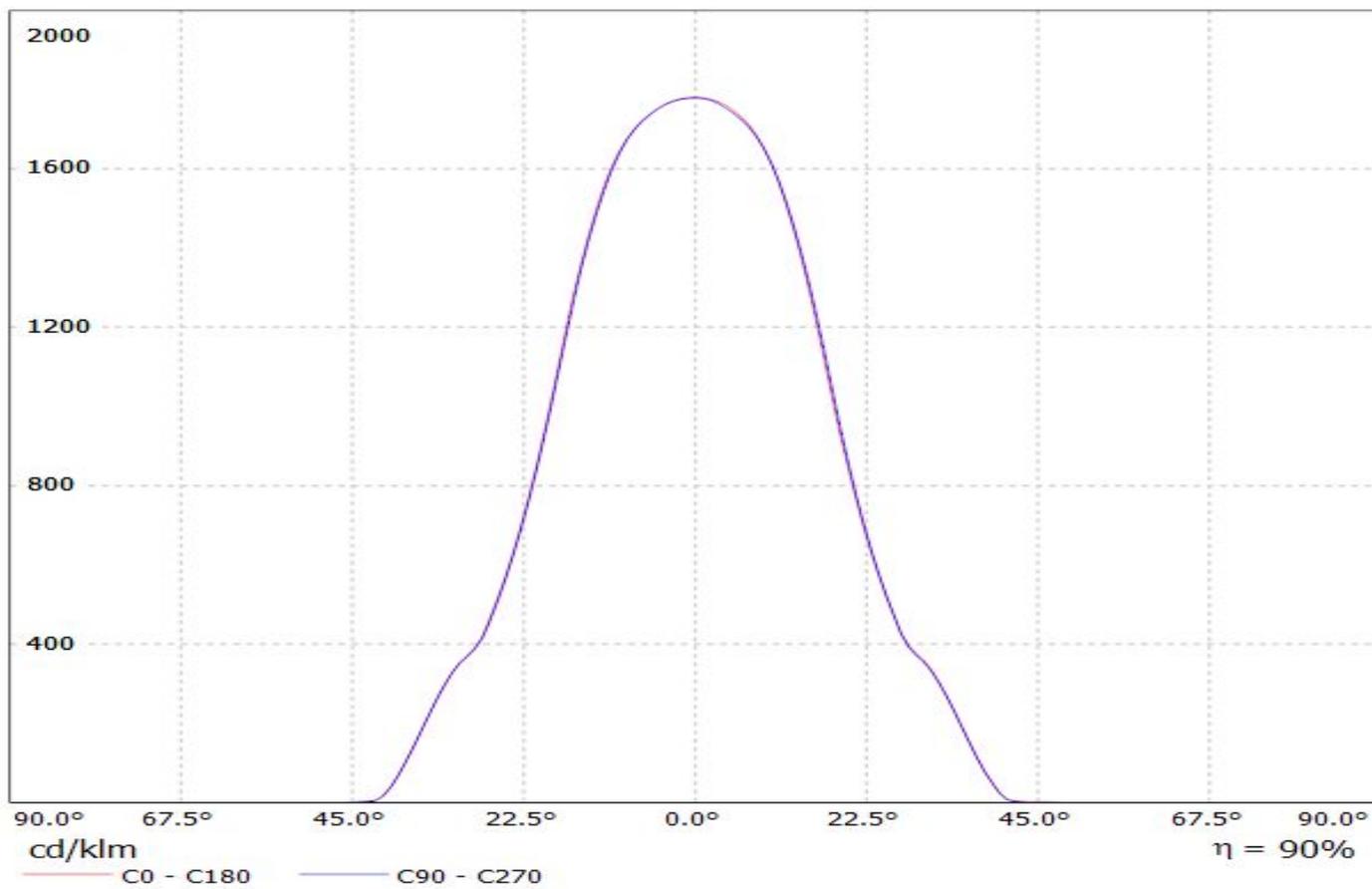
Luminaire: Ledil Oy C11553\_Barbara-W C11553\_Barbara-W  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh)



Luminaire: Ledil Oy C11553\_Barbara-W\_CXA20 C11553\_Barbara-W\_CXA20  
Lamps: 1 x Cree CXA20

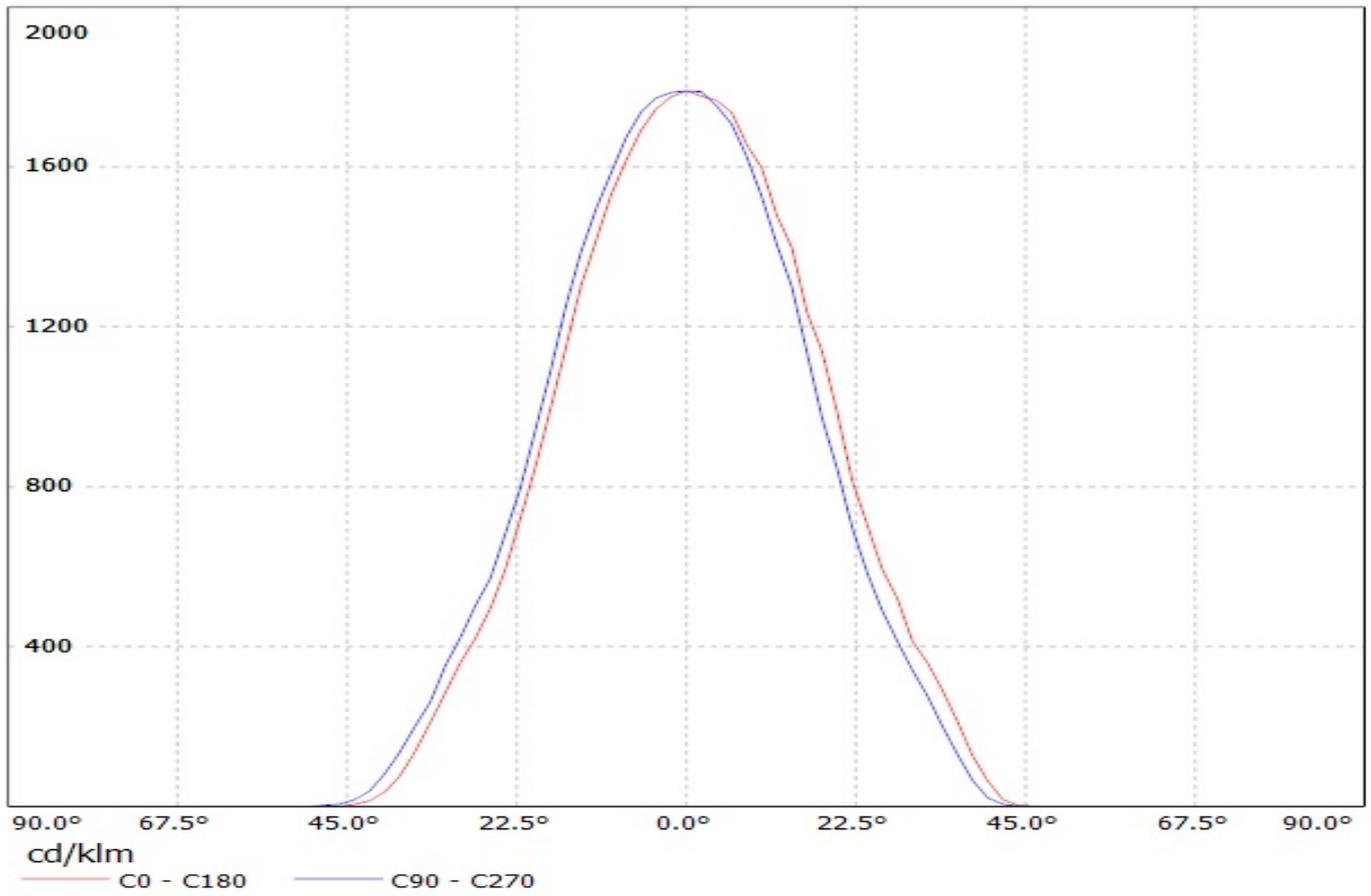


Luminaire: LEDiL Oy C11553\_BARBARA-W\_(SLE-G5\_LES-15)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-15\_1280.24lm@250mA\_P=8.6273W\_I=0.250A



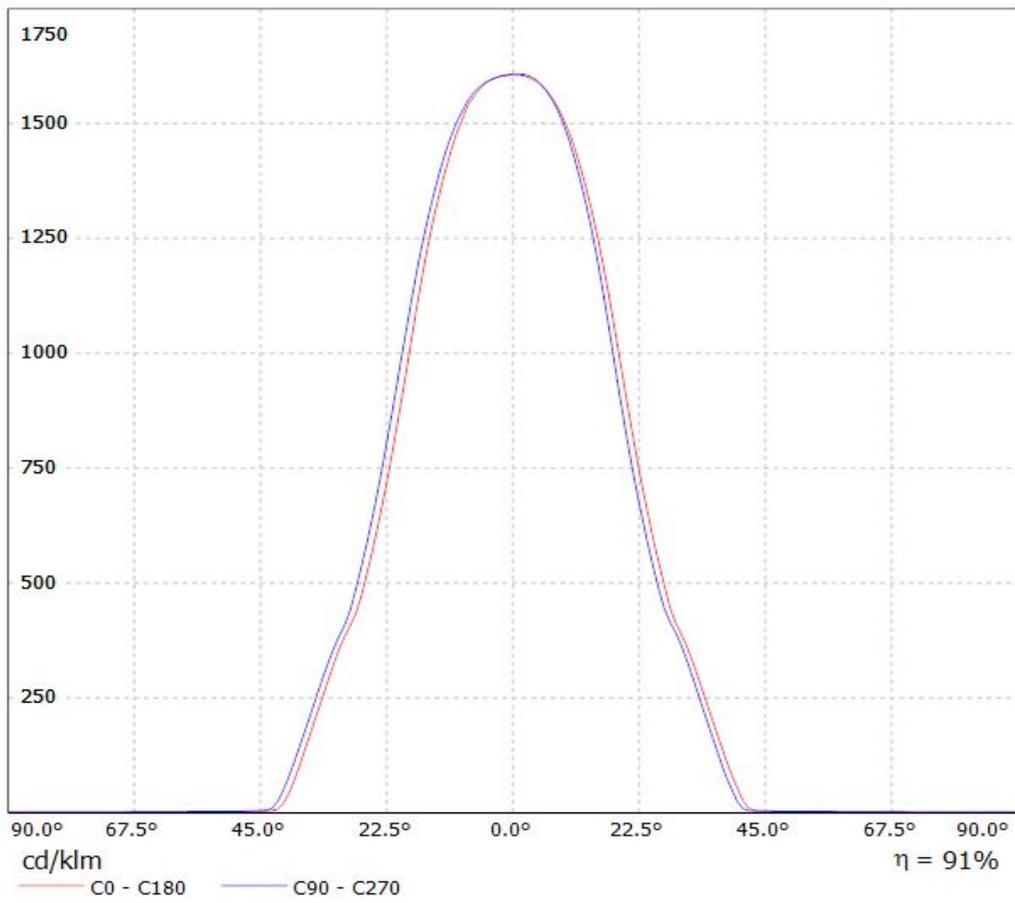


Luminaire: Ledil Oy C11553 BARBARA-W (Citizen CLL030 776lm @ 250mA) Efficiency=89%  
Lamps: 1 x Citizen CLL030 776lm @ 250mA

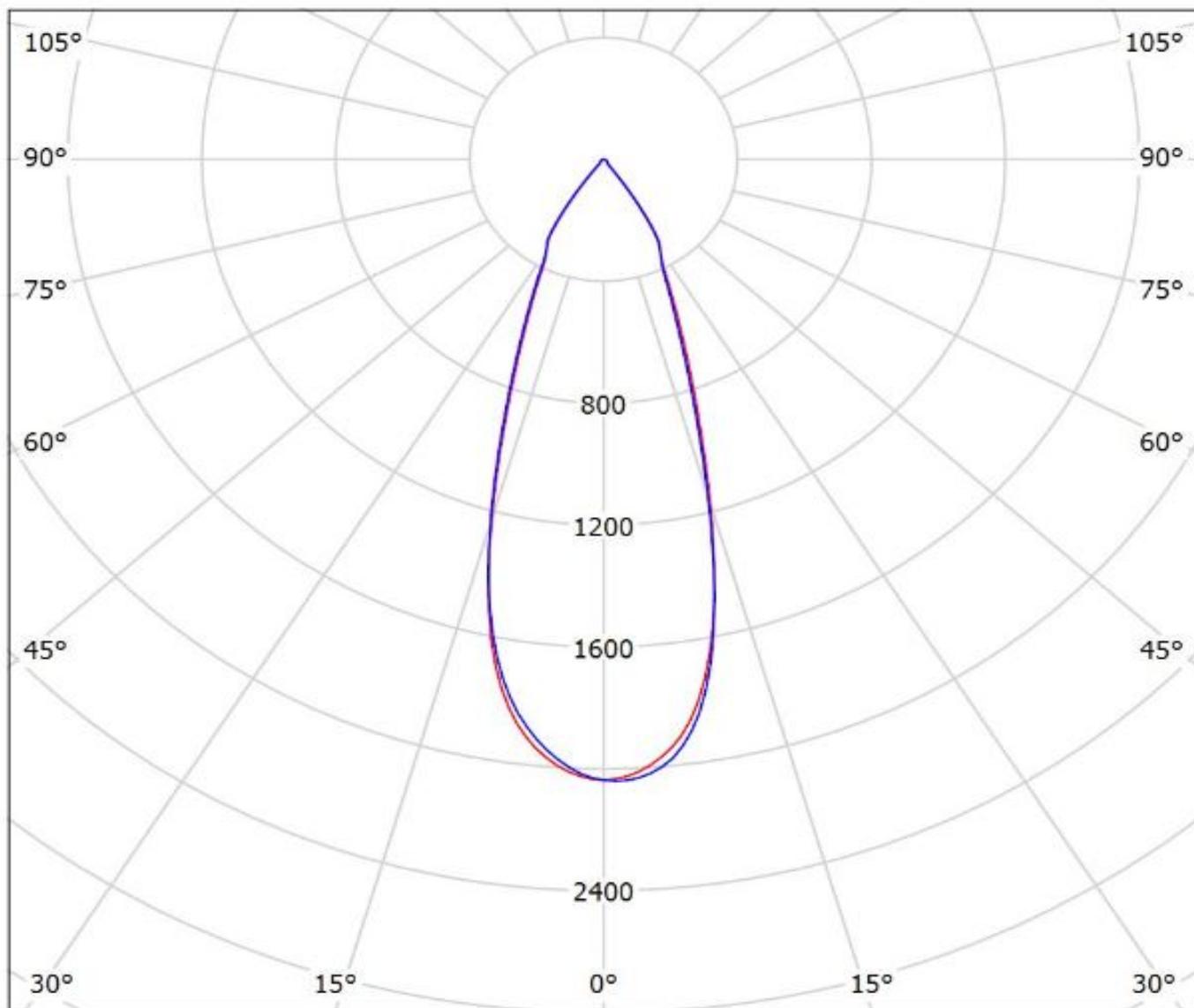


Luminaire: LEDiL Oy C11553\_BARBARA-W\_(SLE\_G3\_LES17) Eff.90.9%

Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES17\_(STARK-SLE-PURE\_G3-17-2000-840-CLA)\_1011.62lm@250mA\_P=8.29243W\_I=249.9mA



Luminaire: Ledil C11553\_BARBARA-W\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1298.17lm@250mA\_CCT=2700K\_P=8.3W\_I=0.25A

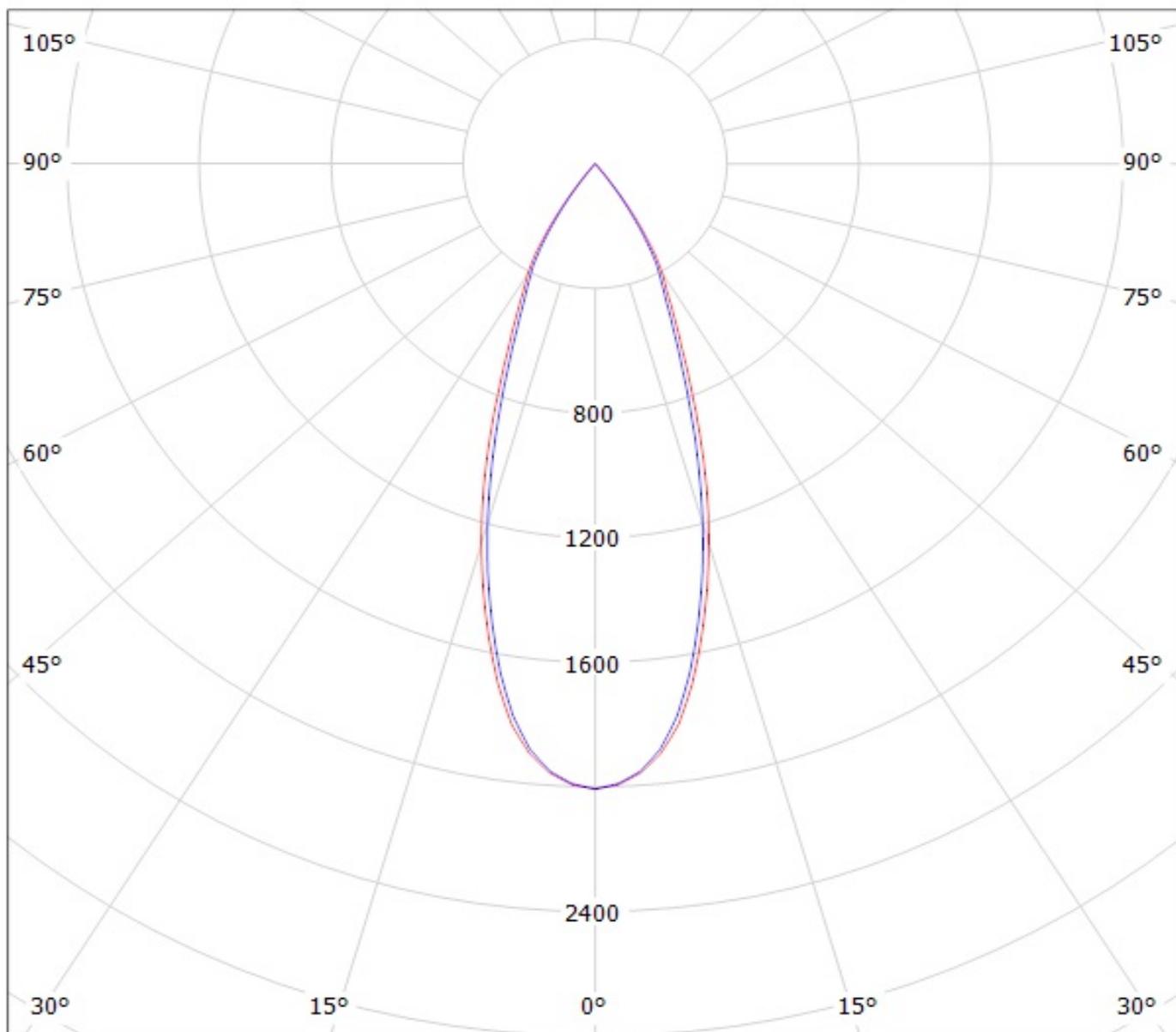


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

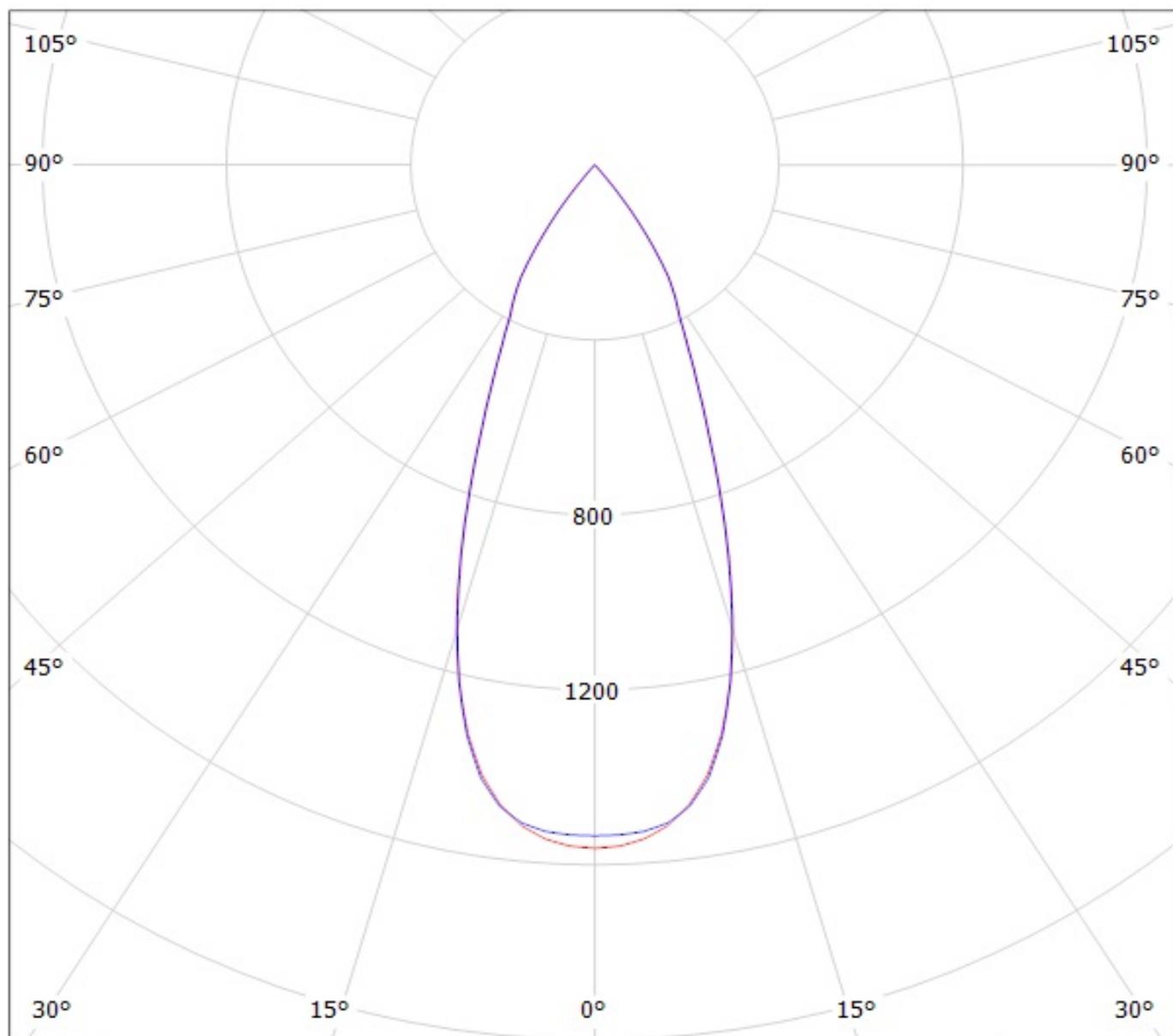
Luminaire: Ledil Oy C11553\_Barbara-W C11553\_Barbara-W  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C11553\_Barbara-W\_CXA20 C11553\_Barbara-W\_CXA20  
Lamps: 1 x Cree CXA20

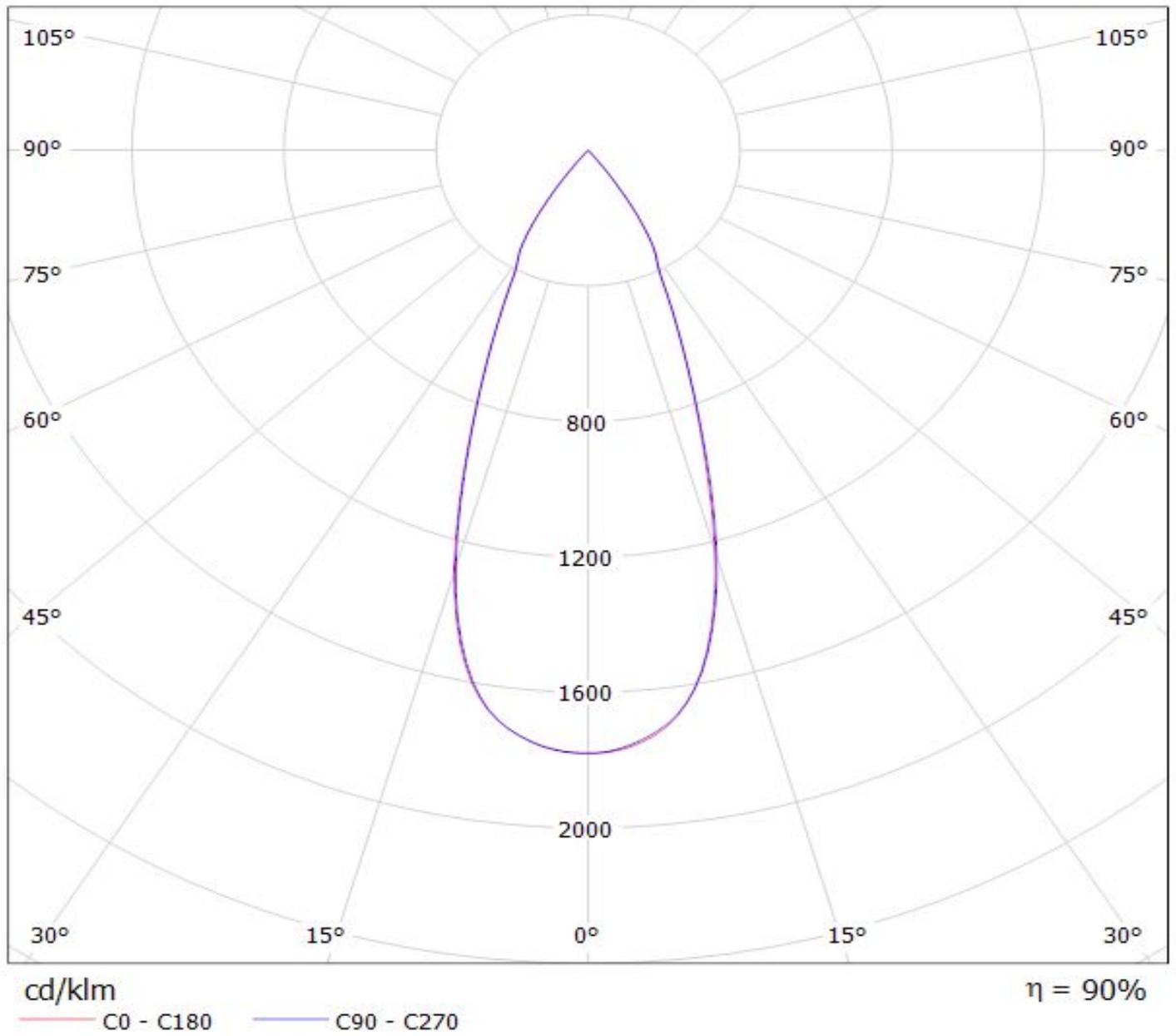


cd/klm

— C0 - C180

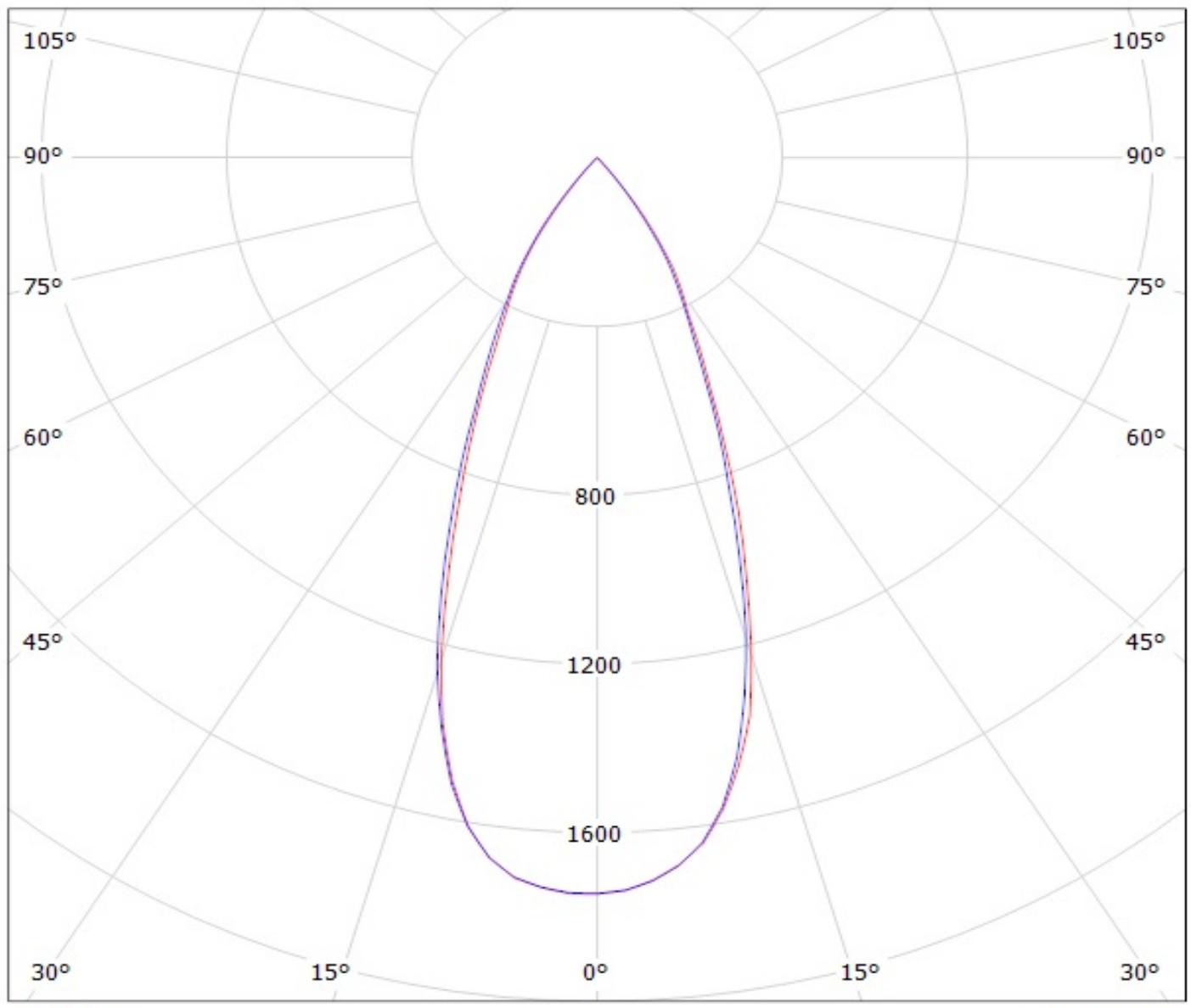
— C90 - C270

Luminaire: LEDiL Oy C11553\_BARBARA-W\_(SLE-G5\_LES-15)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-15\_1280.24lm@250mA\_P=8.6273W\_I=0.250A



Luminaire: LEDil Oy C11553\_BARBARA-W\_(CXM-14)

Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA



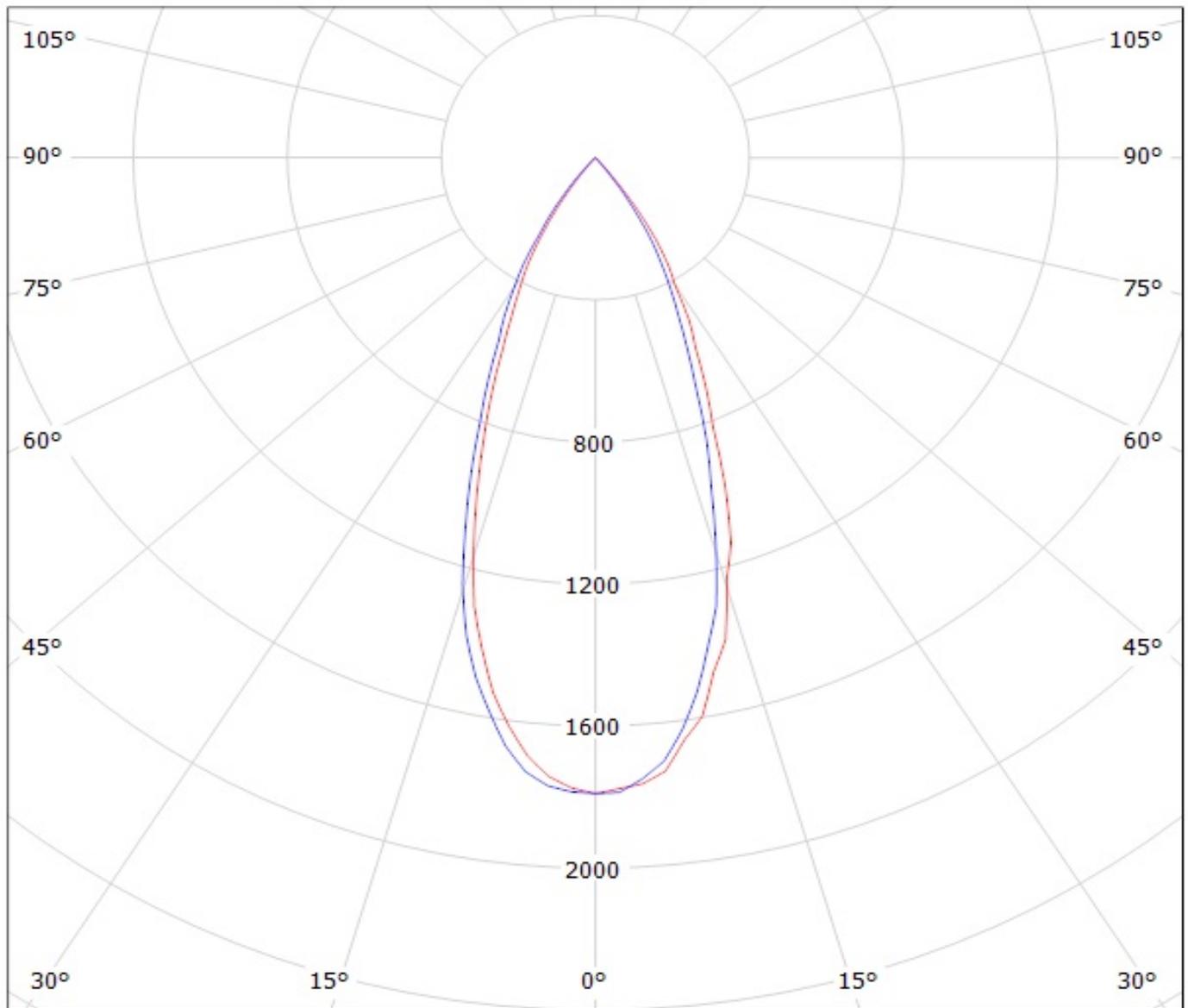
cd/klm

— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: Ledil Oy C11553 BARBARA-W (Citizen CLL030 776lm @ 250mA) Efficiency=89%  
Lamps: 1 x Citizen CLL030 776lm @ 250mA



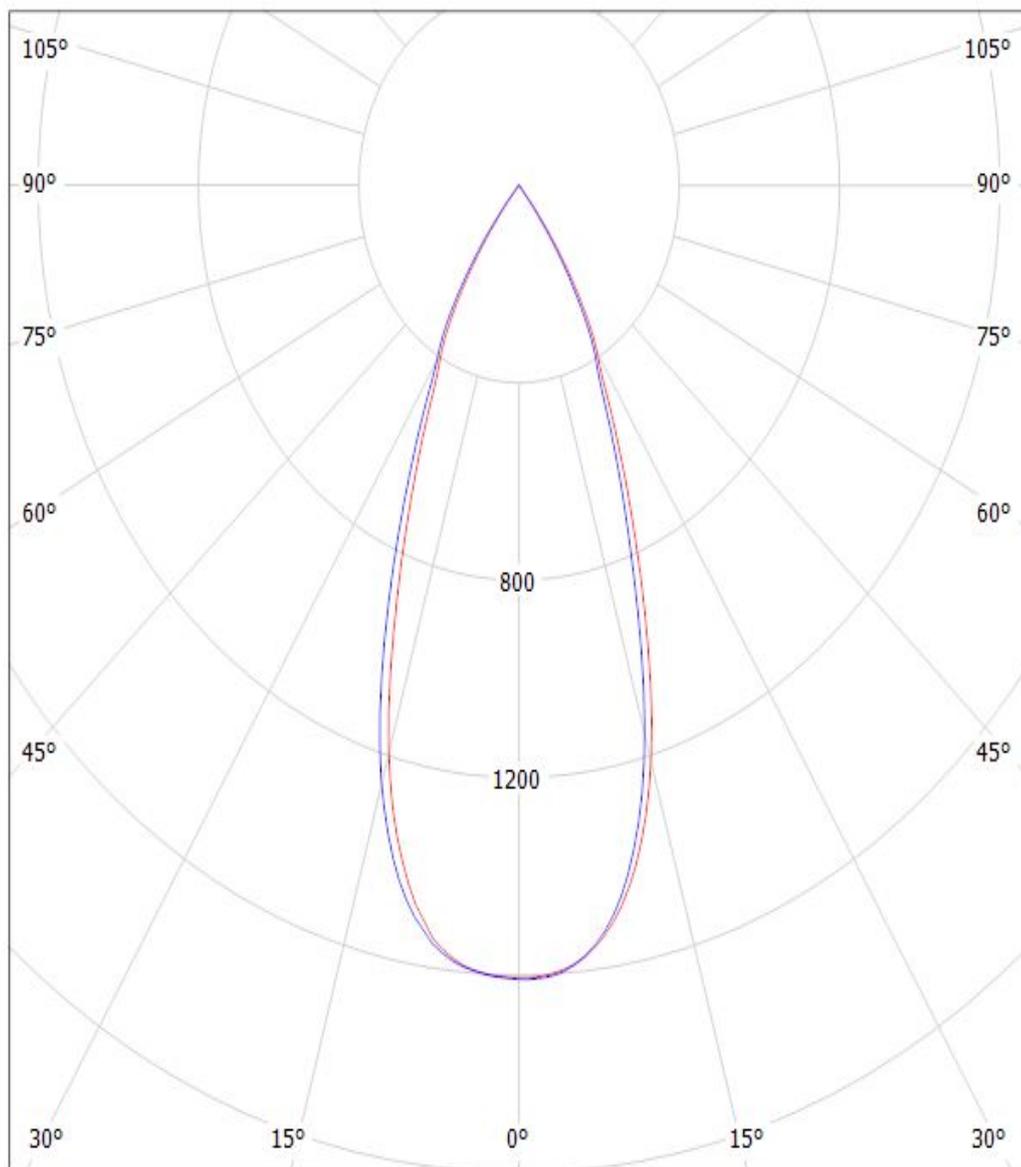
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C11553\_BARBARA-W\_(SLE\_G3\_LES17) Eff.90.9%

Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES17\_(STARK-SLE-PURE\_G3-17-2000-840-CLA)\_1011.62lm@250mA\_P=8.29243W\_I=249.9mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

**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.**