

## DETAILS

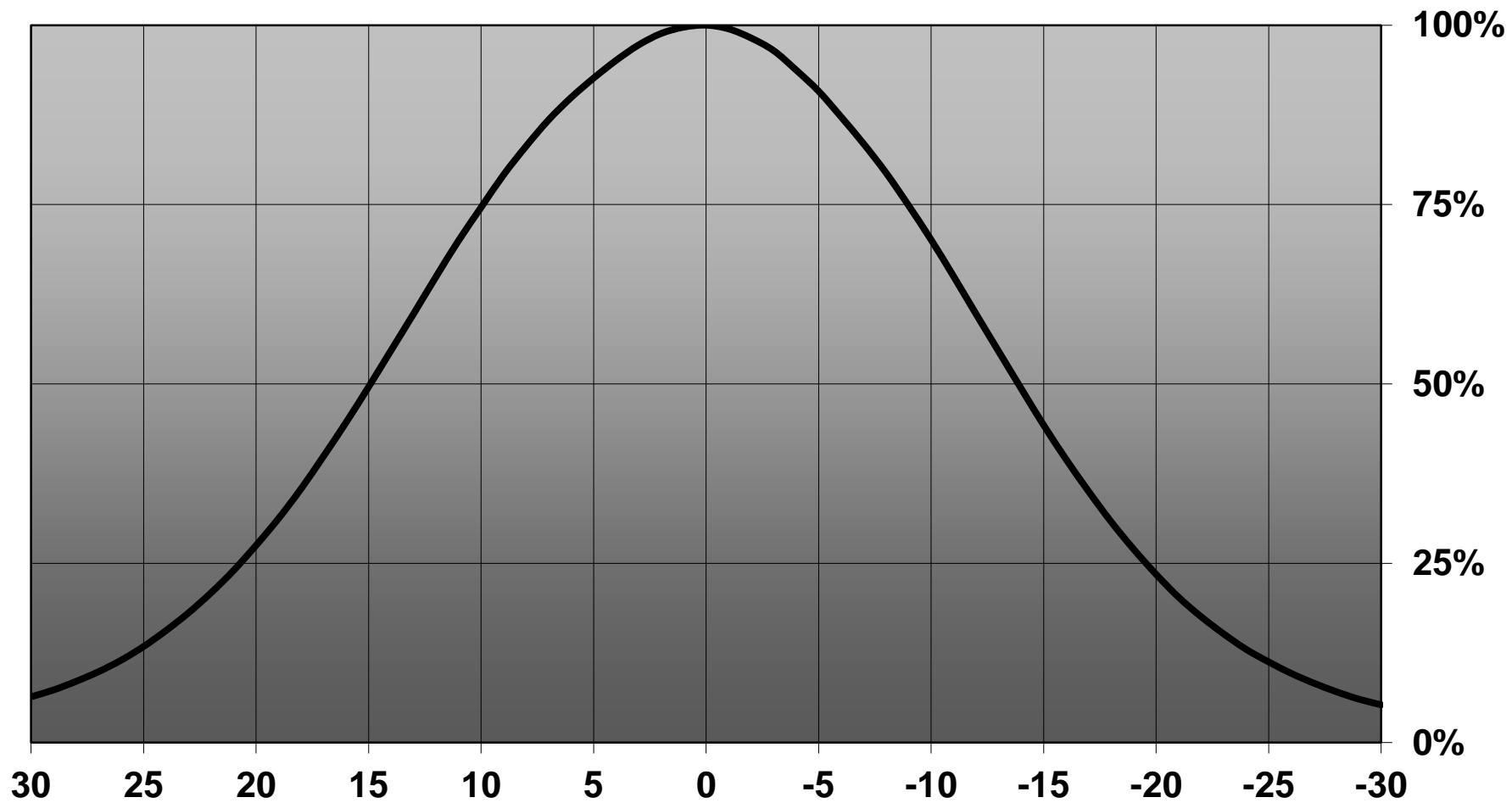
<b>Product Number</b>	CA11017_TINA2-M
<b>Family</b>	Tina2
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	16.1 mm
<b>Height</b>	9.7 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	PC
<b>Fastening</b>	tape
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	14/11/2012



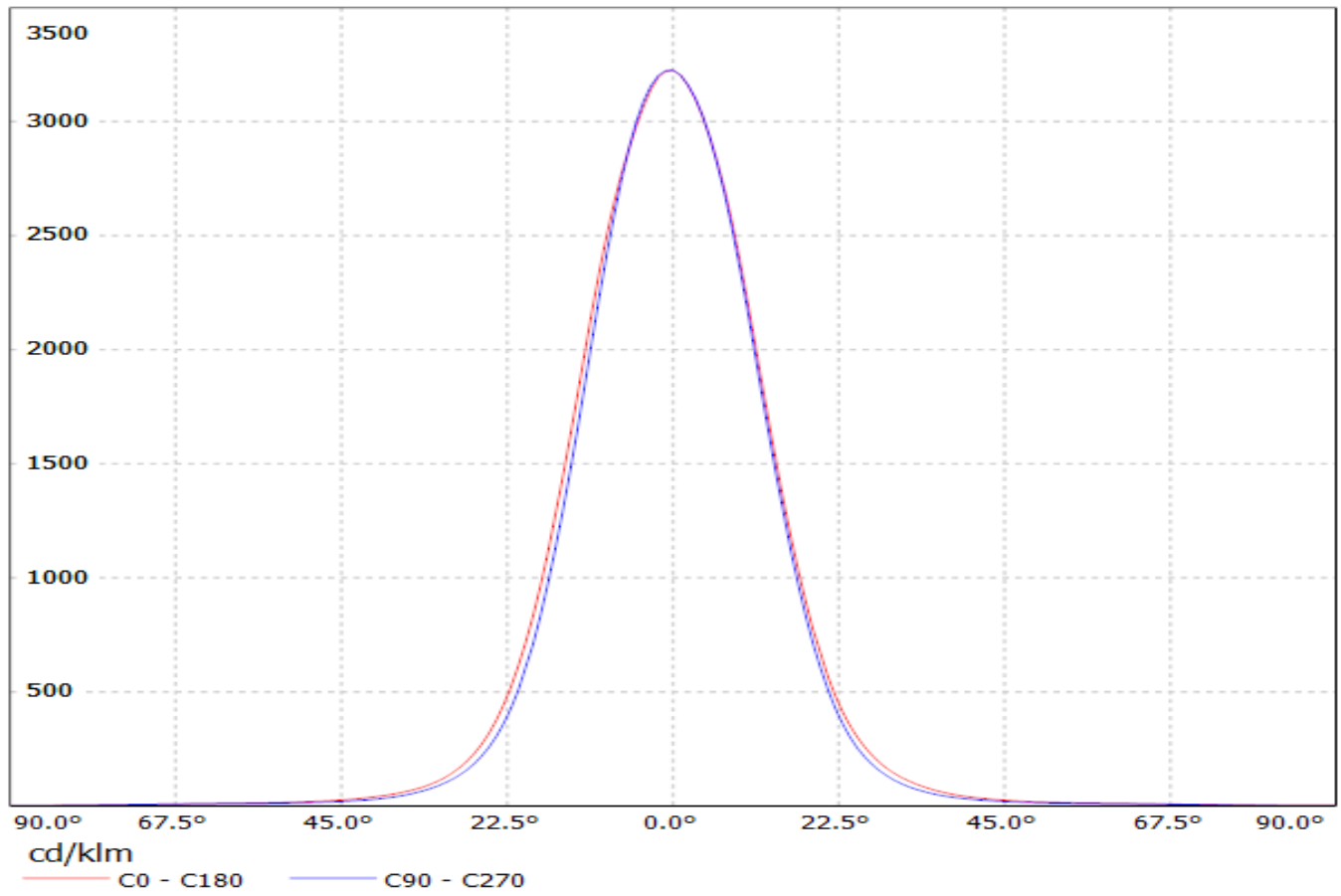
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Z5	sim:	Medium	-	-	-
XP-G2	26 deg	Medium	84 %	3.200	-
Z5M1/Z5M2	29 deg	Medium	84 %	2.900	-
H35C0 (LEMWA33)	30 deg	Medium	85 %	2.550	-
XP-E-HEW	30 deg	Medium	-	2.290	-
XP-G	30 deg	Medium	88 %	2.800	-
H35B0 (LEMWA32)	30 deg	Medium	86 %	2.800	-
XT-E	31 deg	Medium	81 %	2.600	-
H35C1 (LEMWA33)	31 deg	Medium	84 %	2.700	-
XP-E	31 deg	Medium	89 %	2.560	-
XP-E2	32 deg	Medium	86 %	3.000	-

Relative intensity of CA11017\_TINA2-M\_(Z5M2)



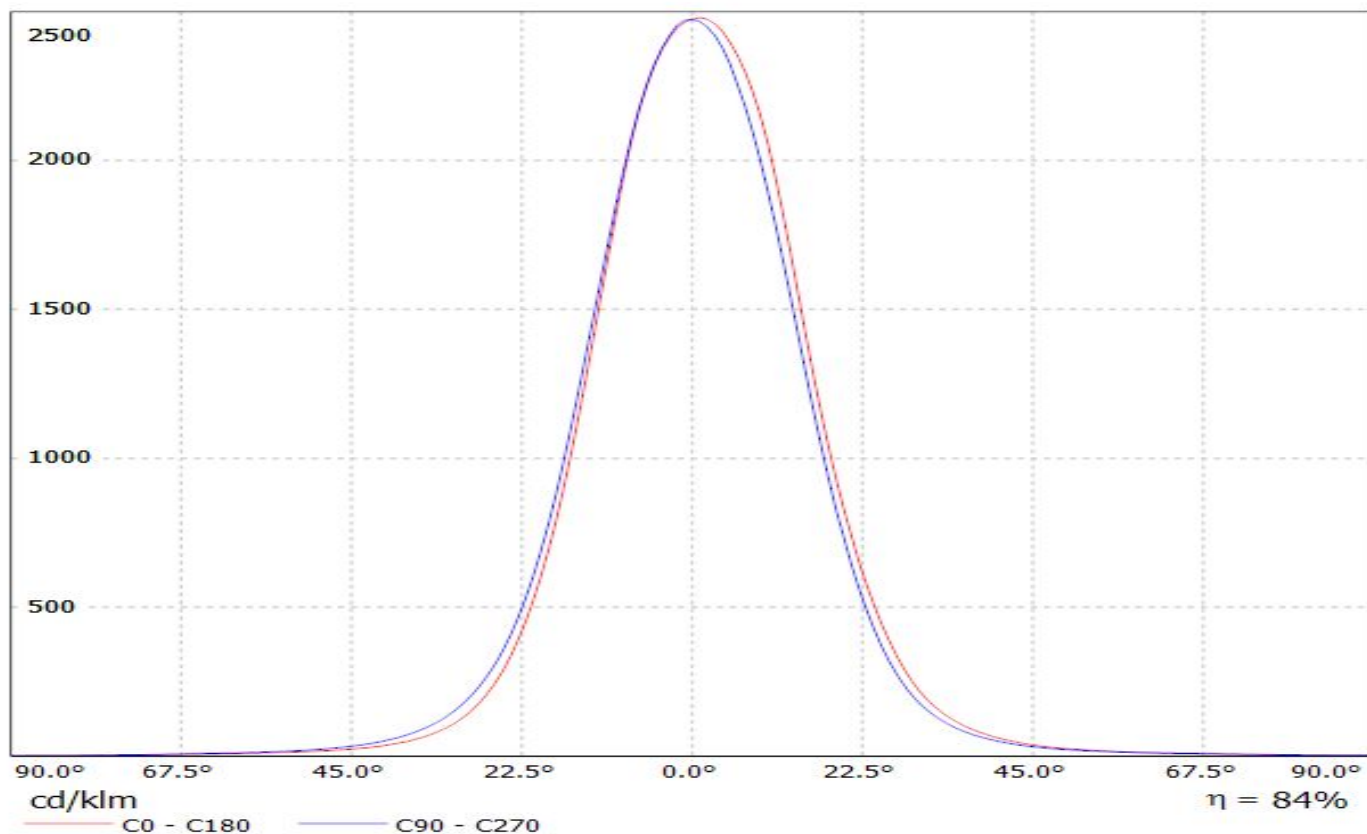
Valaisin: LEDIL OY CA11017\_TINA2-M\_(XP-G2) Efficiency=84%  
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



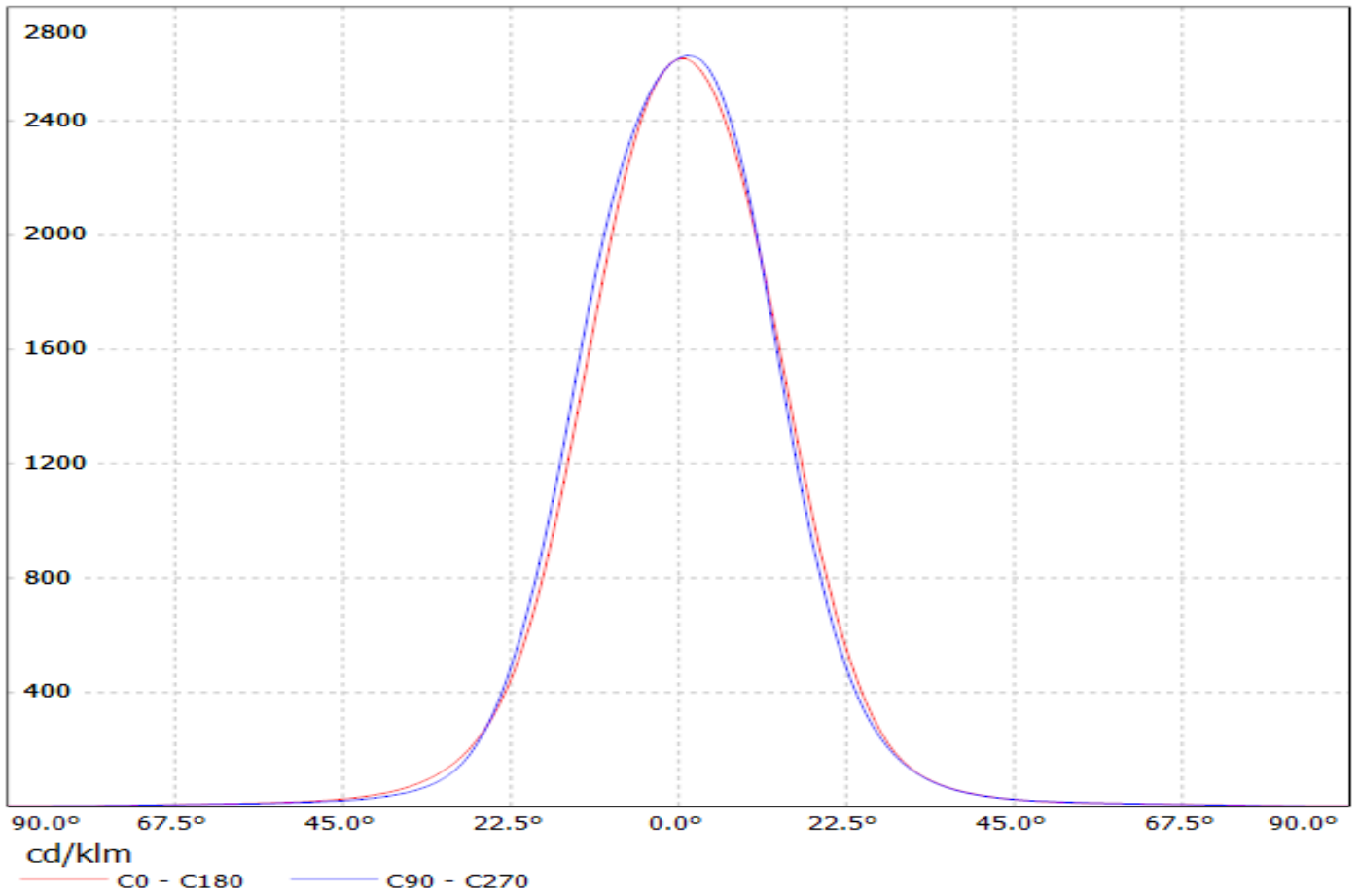
**LEDiL Oy CA11017\_TINA2-M\_(3535\_Ceramic)\_1 Eff.84.1% / LDC (Linear)**

Luminaire: LEDiL Oy CA11017\_TINA2-M\_(3535\_Ceramic)\_1 Eff.84.1%

Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



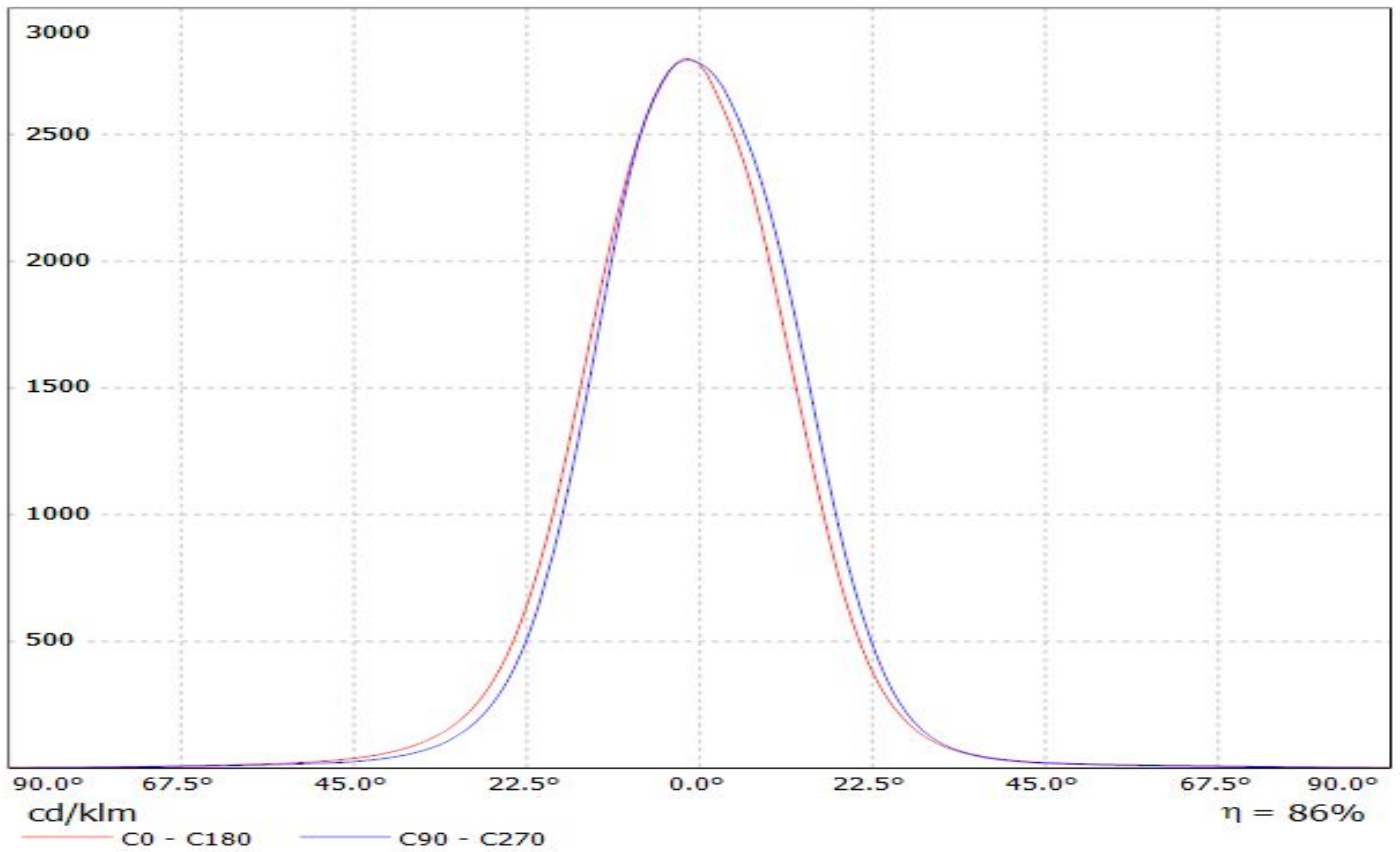
Luminaire: LEDIL OY CA11017\_TINA2-M (XP-G) Efficiency=91%  
Lamps: 1 x Cree XP-G (92lm@250mA)



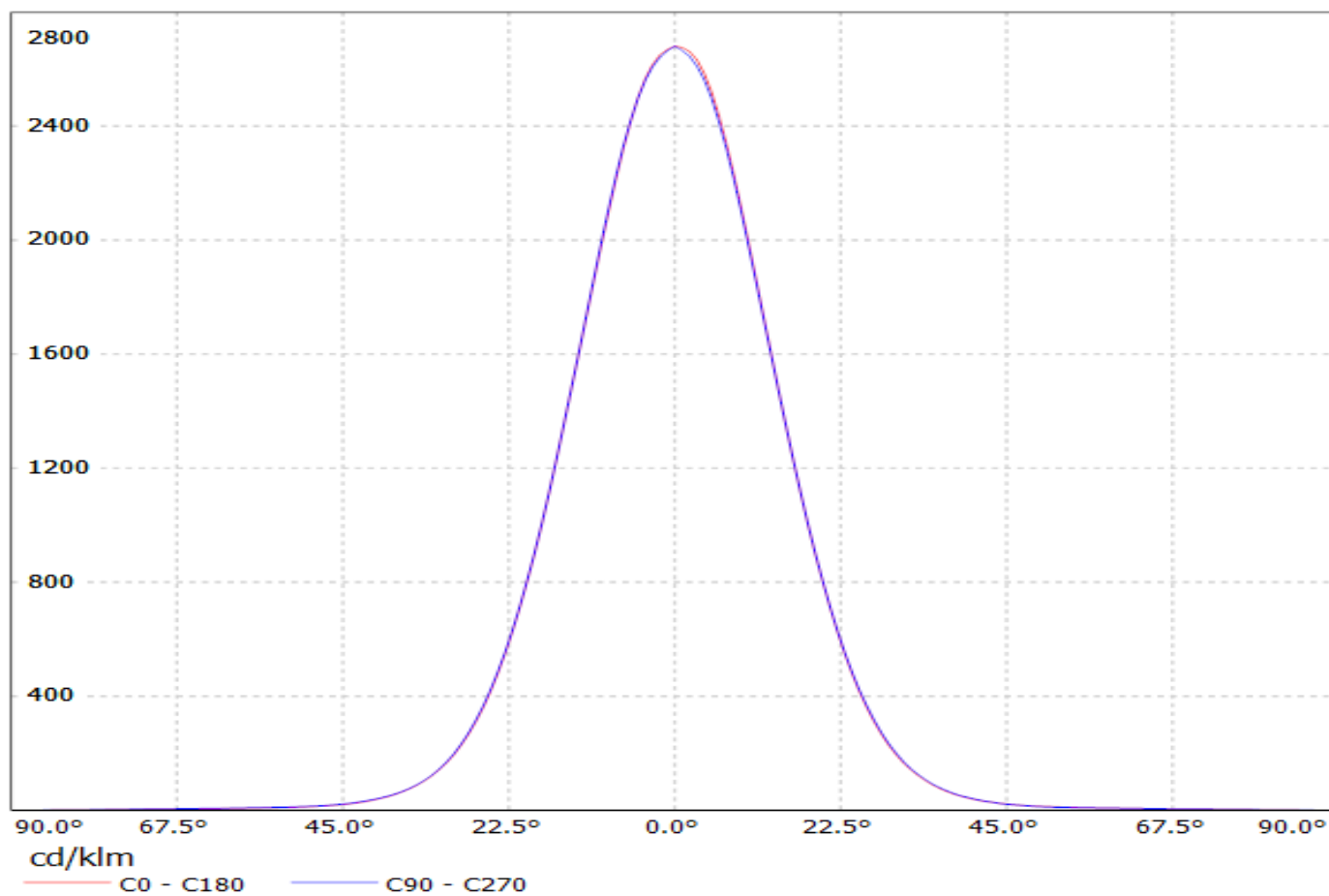
# LEDiL Oy CA11017\_TINA2\_M\_(LG3535\_2W) Eff.86.1% / LDC (Linear)

Luminaire: LEDiL Oy CA11017\_TINA2\_M\_(LG3535\_2W) Eff.86.1%

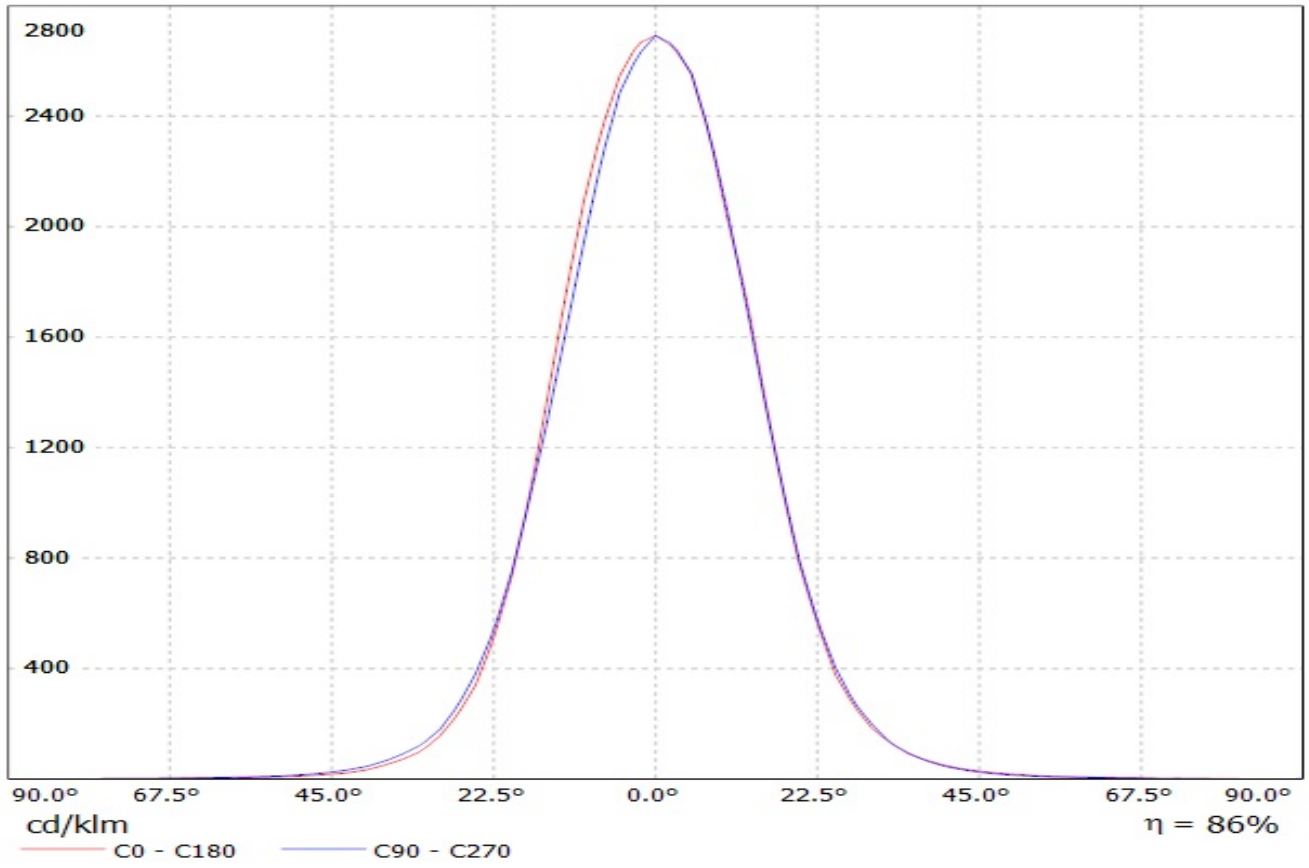
Lamps: 1 x LG3535\_2W (97.2479lm@250mA)



Luminaire: Ledil Oy CA11017\_TINA2-M-XT-E\_SIMULATED  
Lamps: 1 x Cree XT-E 100lm

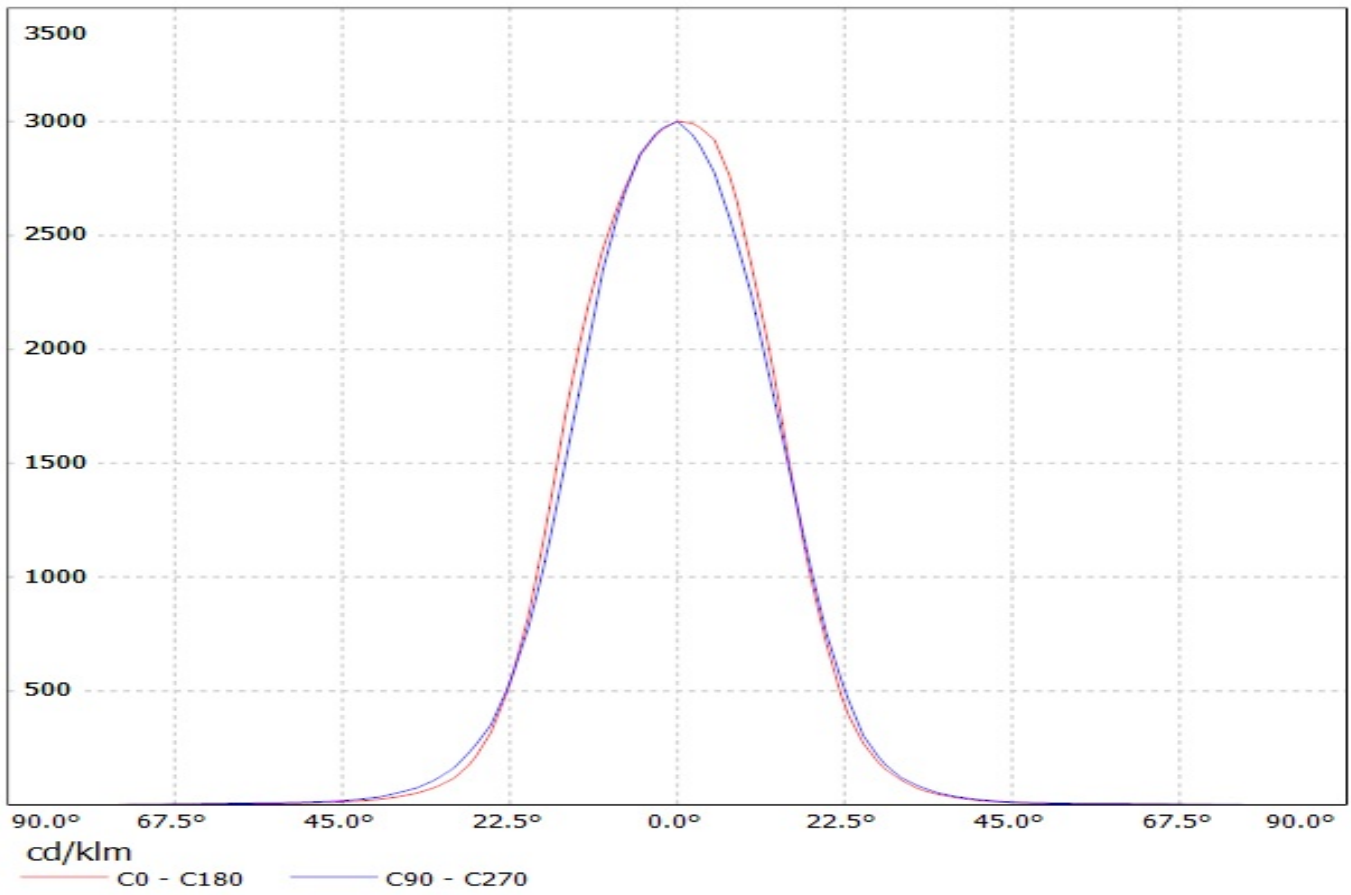


Luminaire: Ledil Oy CA11017\_TINA2-M\_(3535\_Ceramic\_gen2) Efficiency=84%  
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA

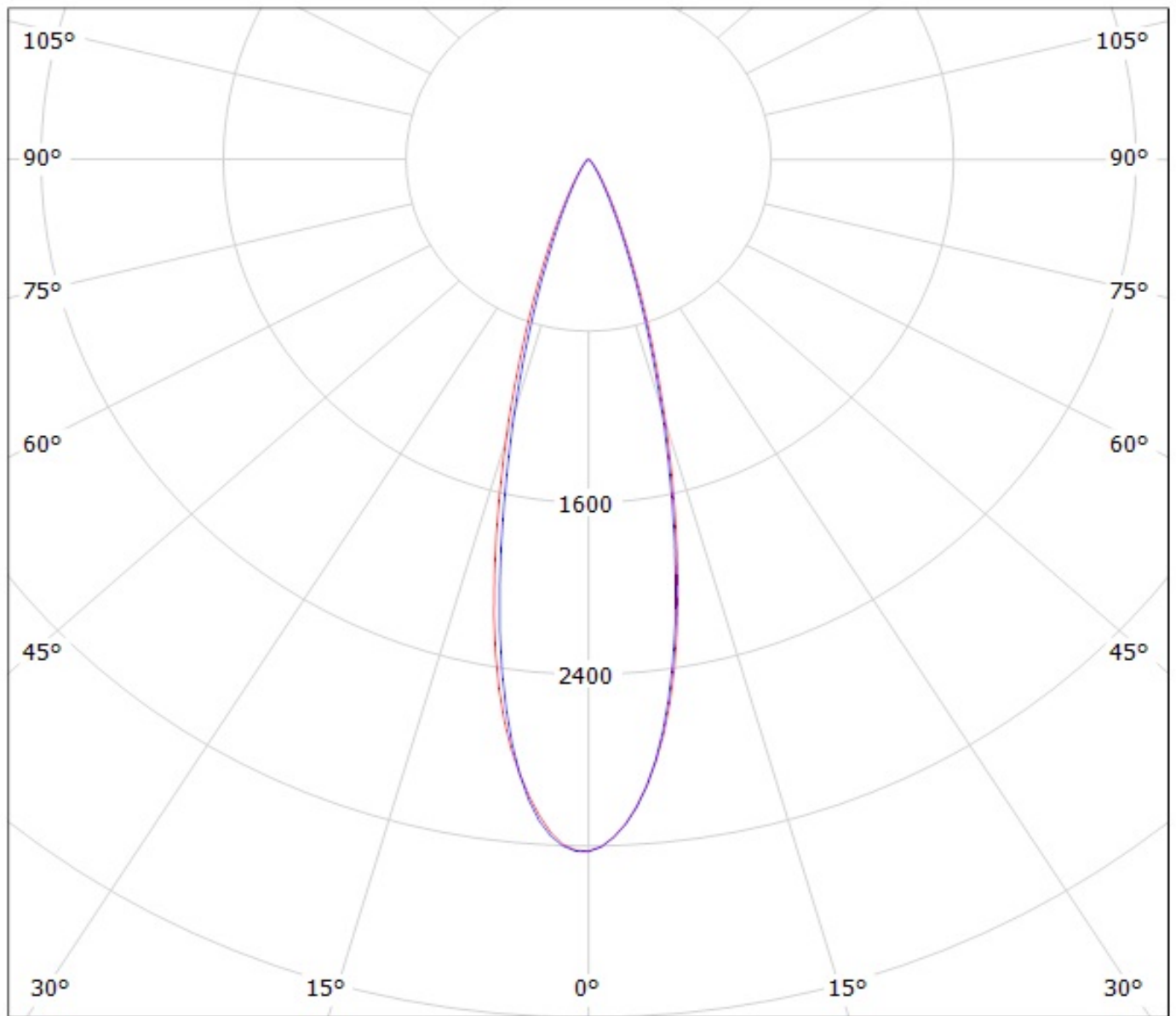




Luminaire: LEDIL CA11017\_TINA2-M\_(XP-E2) Efficiency=86%  
Lamps: 1 x Cree XP-E2 (93lm @ 250mA) CCT=5600K P=0.8W I=250mA



Valaisin: LEDIL OY CA11017\_TINA2-M\_(XP-G2) Efficiency=84%  
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



cd/klm

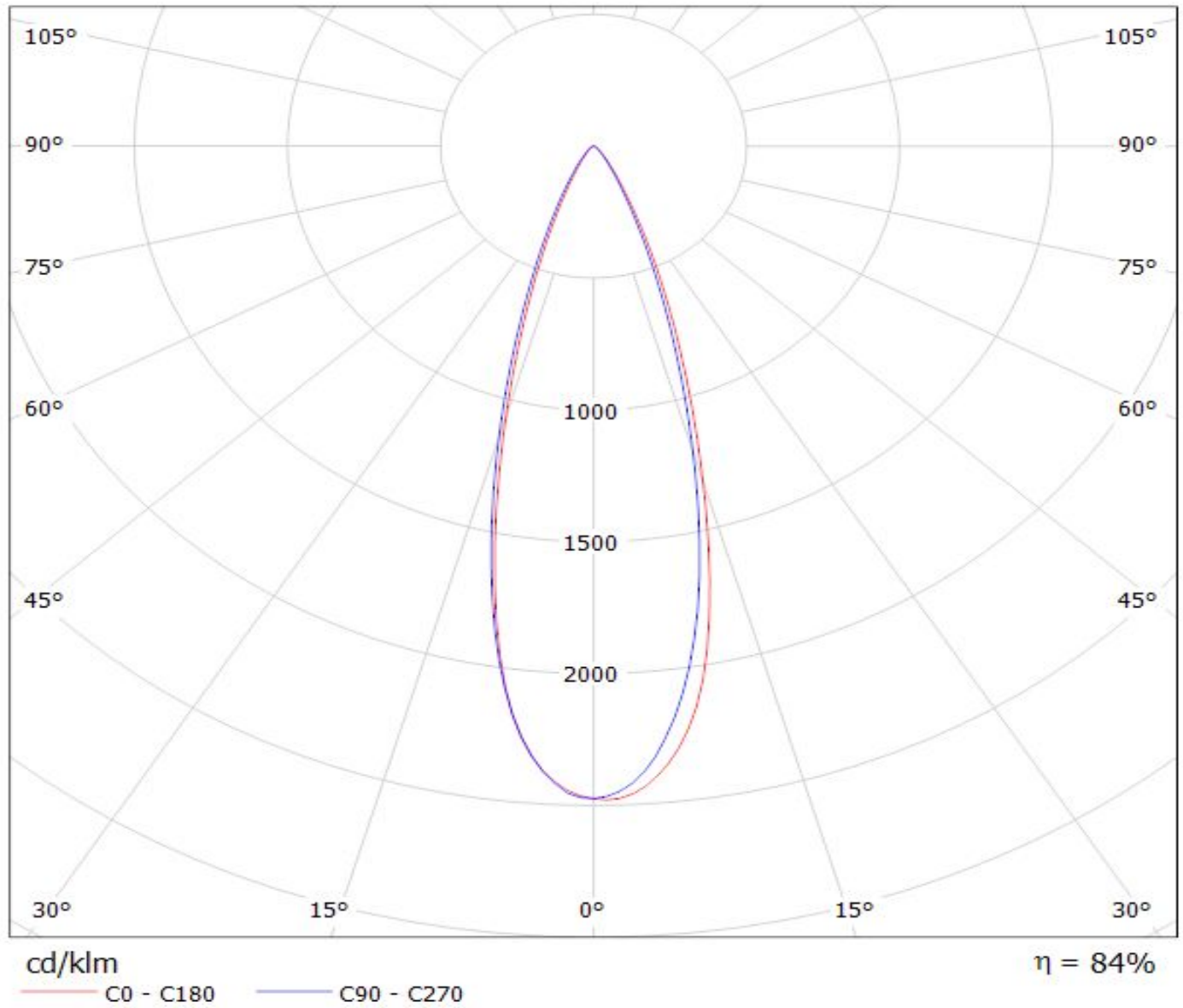
— C0 - C180

— C90 - C270

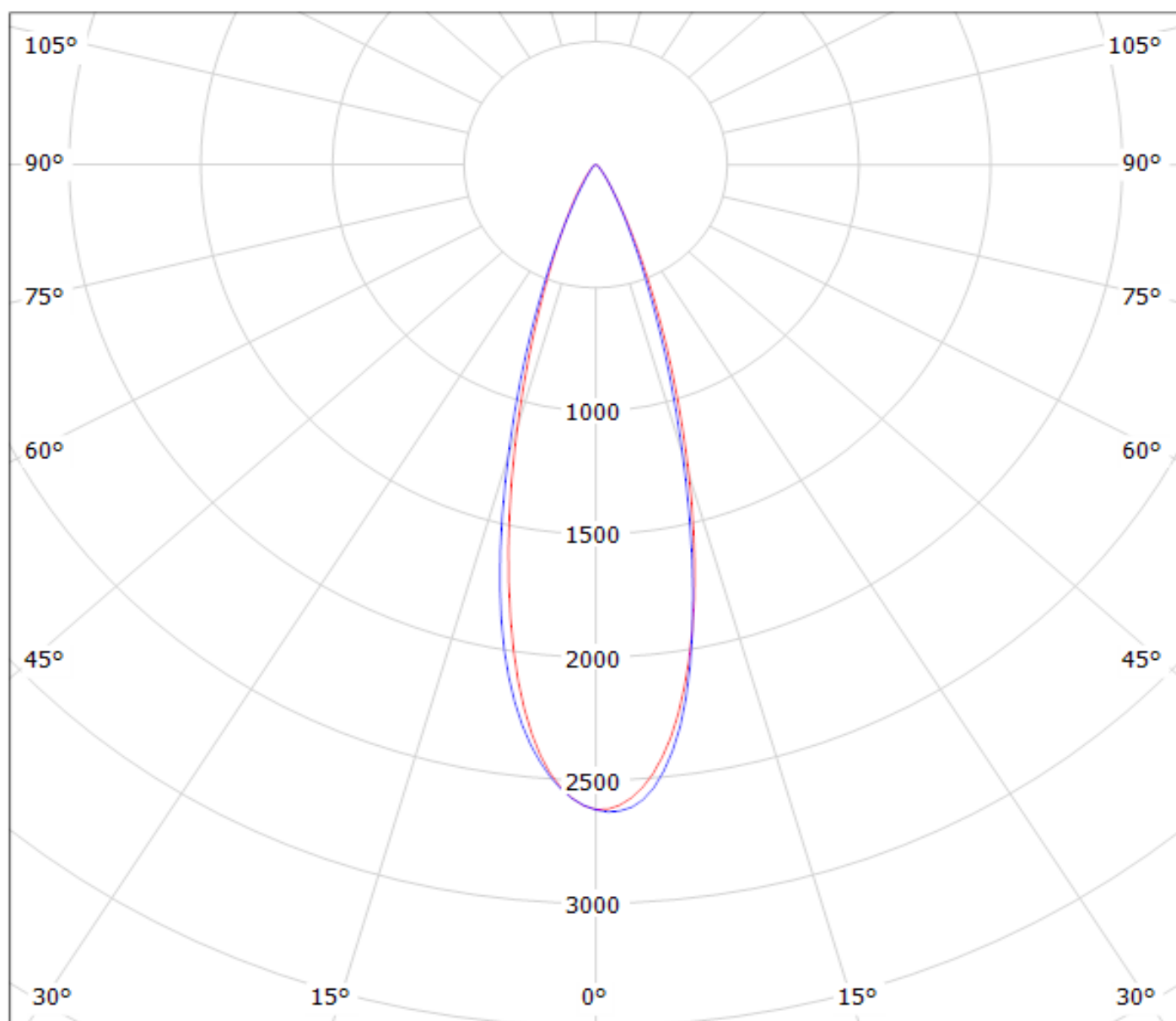
# LEDiL Oy CA11017\_TINA2-M\_(3535\_Ceramic)\_1 Eff.84.1% / LDC (Polar)

Luminaire: LEDiL Oy CA11017\_TINA2-M\_(3535\_Ceramic)\_1 Eff.84.1%

Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



Luminaire: LEDIL OY CA11017\_TINA2-M (XP-G) Efficiency=91%  
Lamps: 1 x Cree XP-G (92lm@250mA)



cd/klm

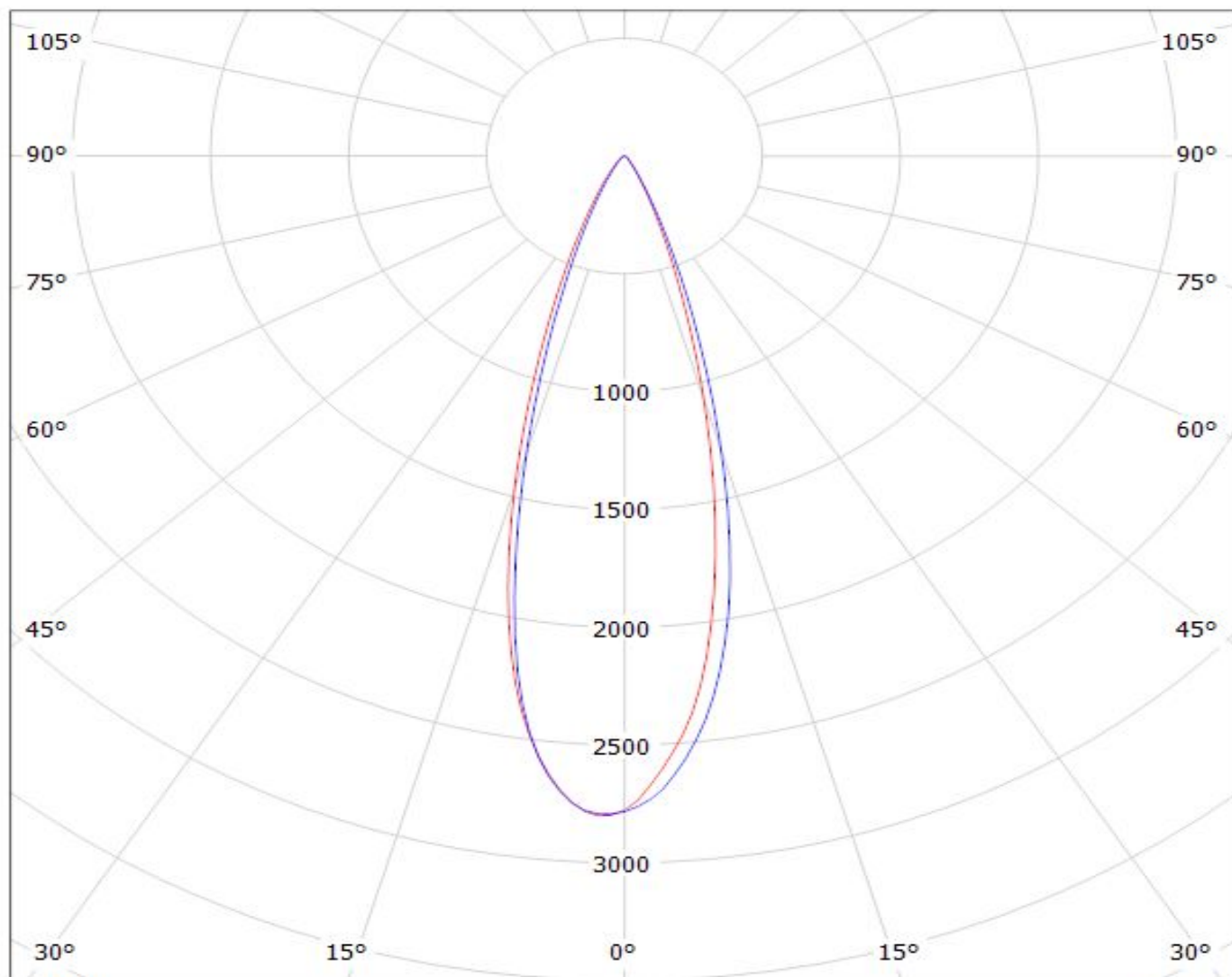
— C0 - C180

— C90 - C270

# LEDiL Oy CA11017\_TINA2\_M\_(LG3535\_2W) Eff.86.1% / LDC (Polar)

Luminaire: LEDiL Oy CA11017\_TINA2\_M\_(LG3535\_2W) Eff.86.1%

Lamps: 1 x LG3535\_2W (97.2479lm@250mA)



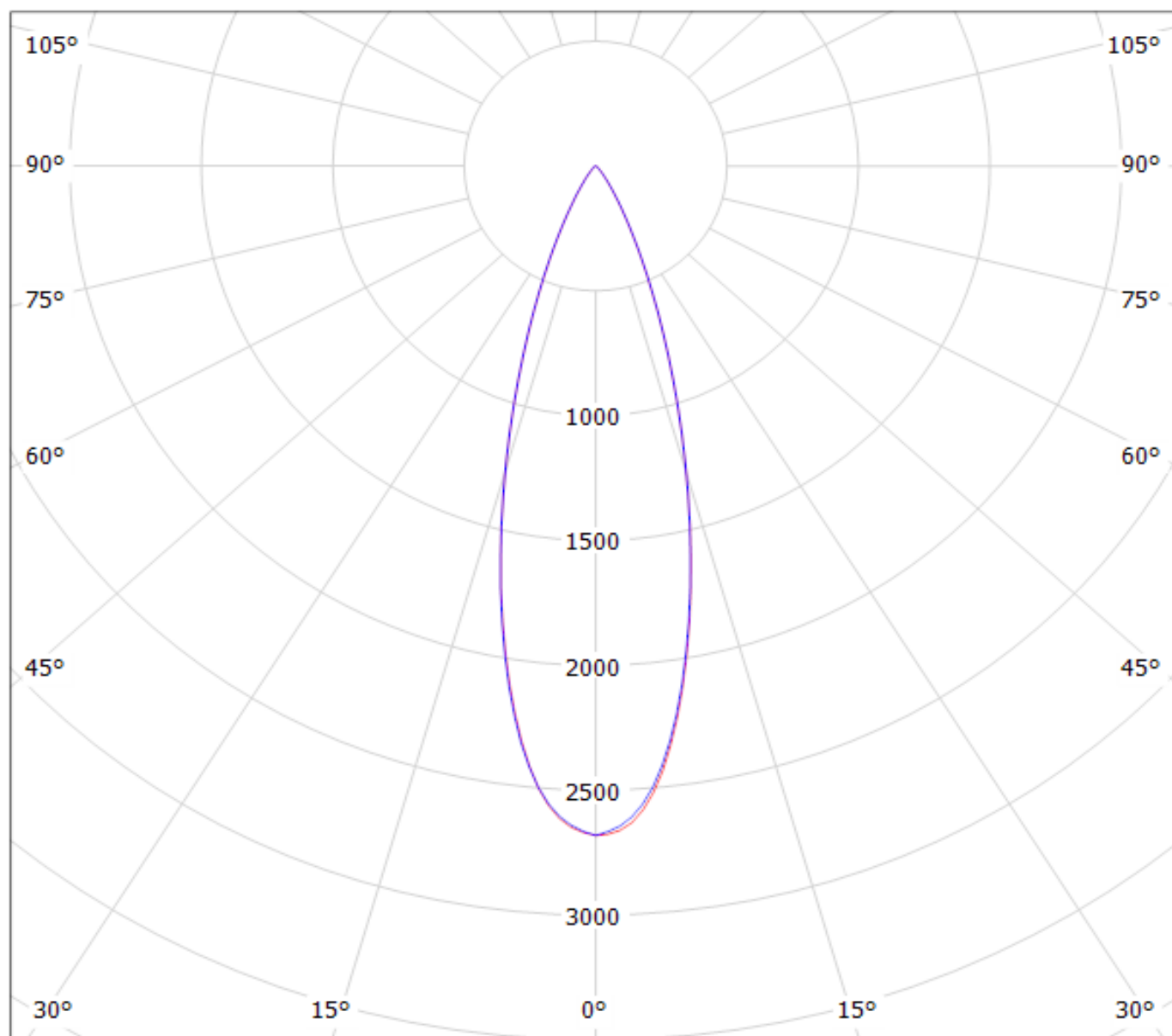
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

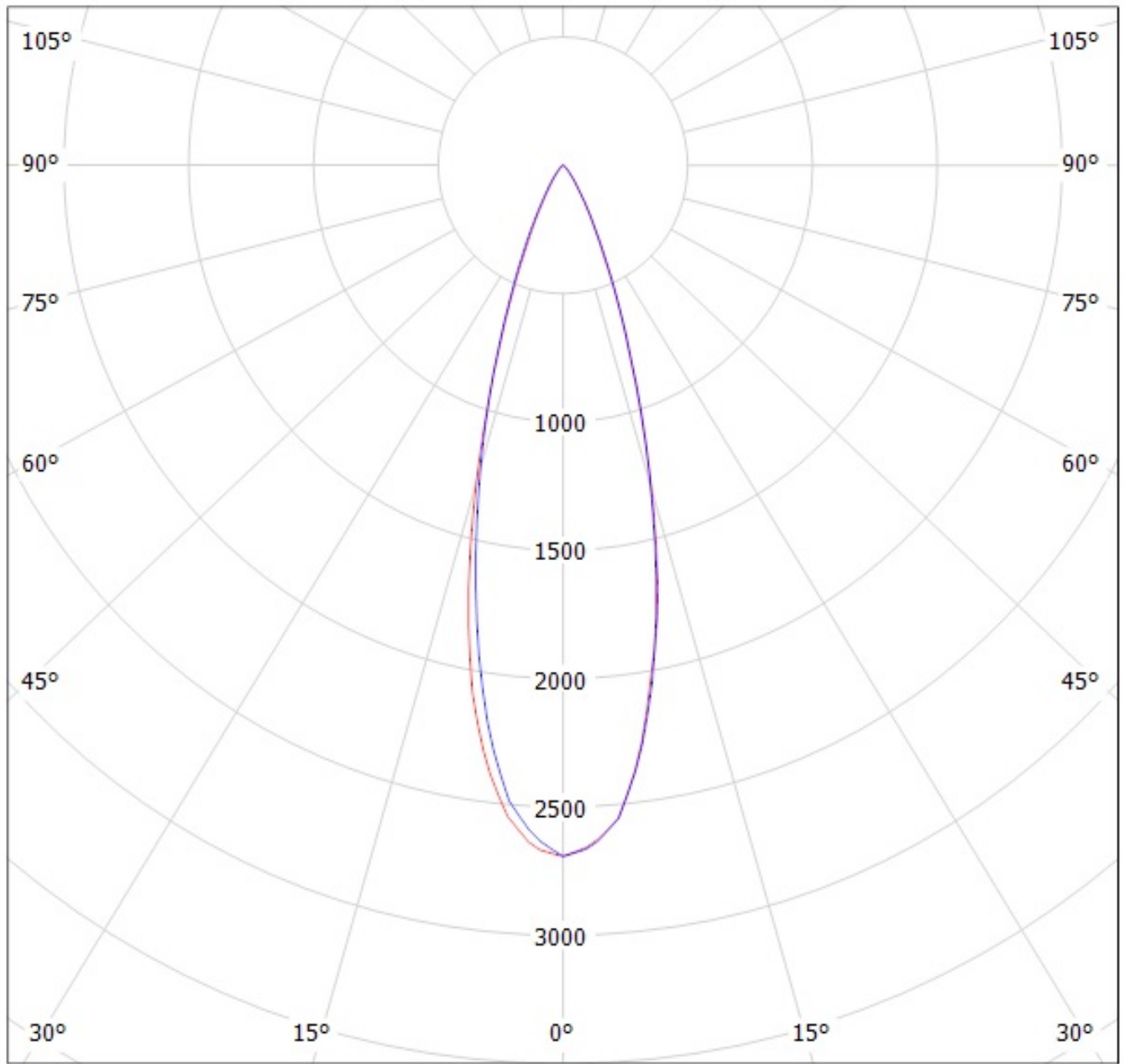
Luminaire: Ledil Oy CA11017\_TINA2-M-XT-E\_SIMULATED  
Lamps: 1 x Cree XT-E 100lm



cd/klm

— C0 - C180

— C90 - C270

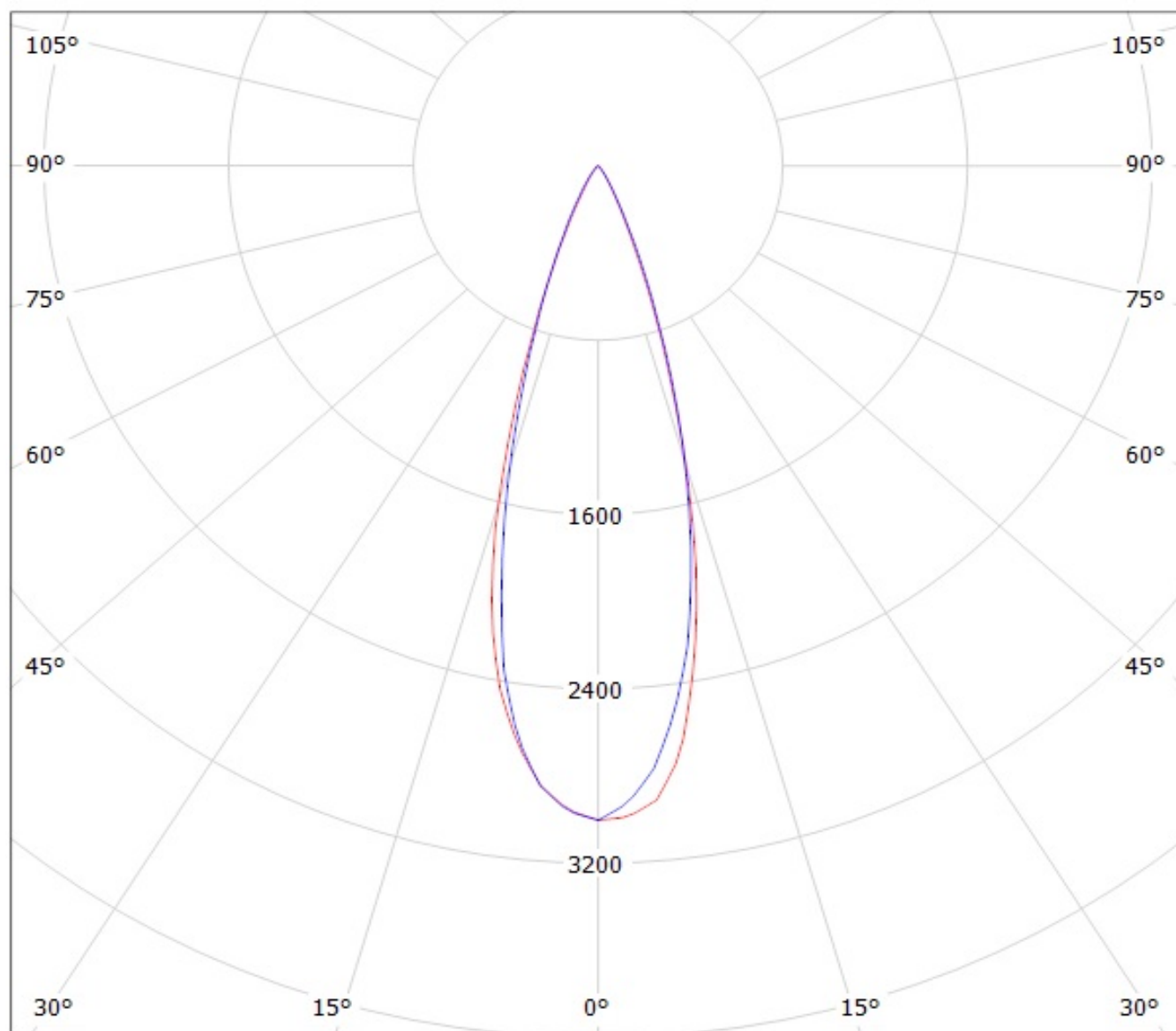


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDIL CA11017\_TINA2-M\_(XP-E2) Efficiency=86%  
Lamps: 1 x Cree XP-E2 (93lm @ 250mA) CCT=5600K P=0.8W I=250mA



cd/klm

— C0 - C180

— C90 - C270



**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 heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: [http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.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 tape.**

**NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape 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.**