

## DETAILS

<b>Product Number</b>	CA11365_LAURA-O
<b>Family</b>	Laura
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	21.6 x 21.6 mm
<b>Height</b>	13,1 mm
<b>Style</b>	square
<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>	25/02/2013

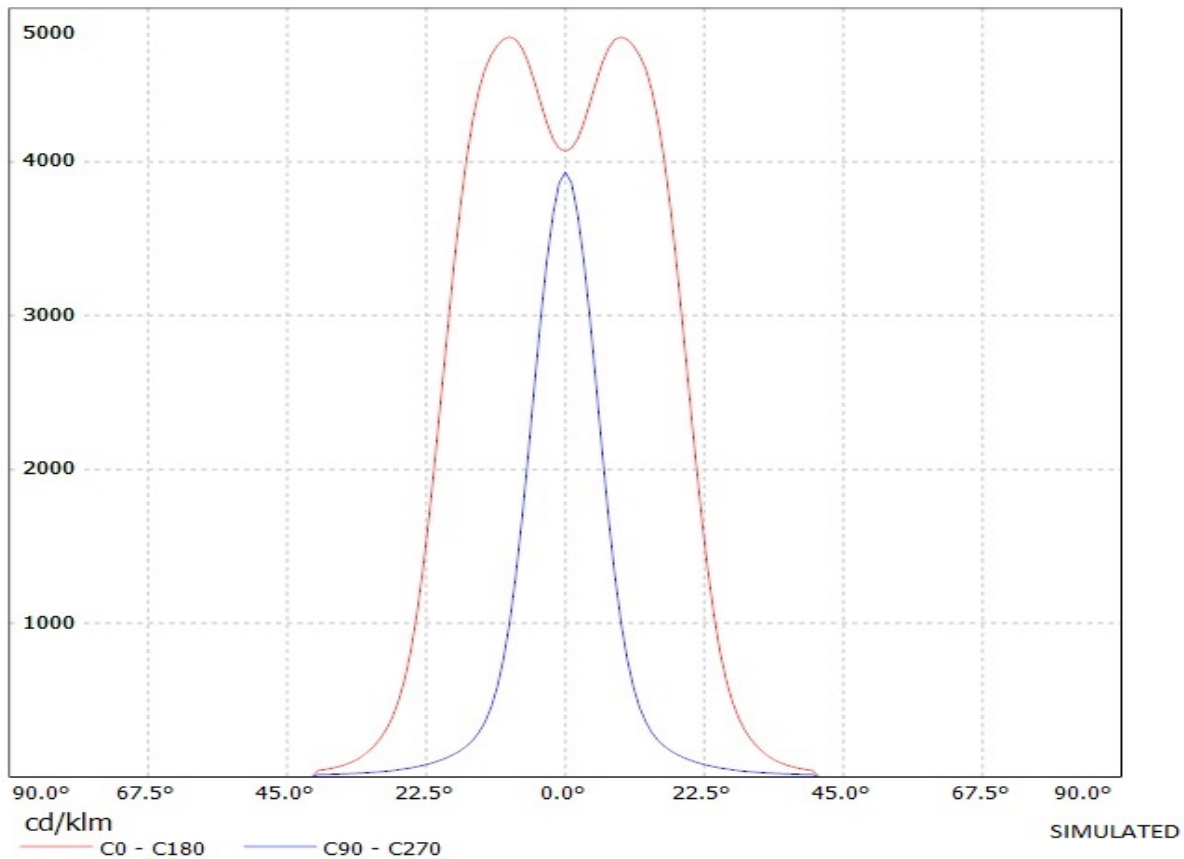


## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Z5	sim: 12+36	Oval	-	-	-
XP-E	13+40 deg	Oval	91 %	4.100	-
XP-G	36+13 deg	Oval	91 %	4.100	-
H35C1 (LEMWA33)	39+14 deg	Oval	86 %	4.600	-
XP-G2	39+14 deg	Oval	87 %	4.900	-
XP-E2	40+12 deg	Oval	87 %	5.700	-

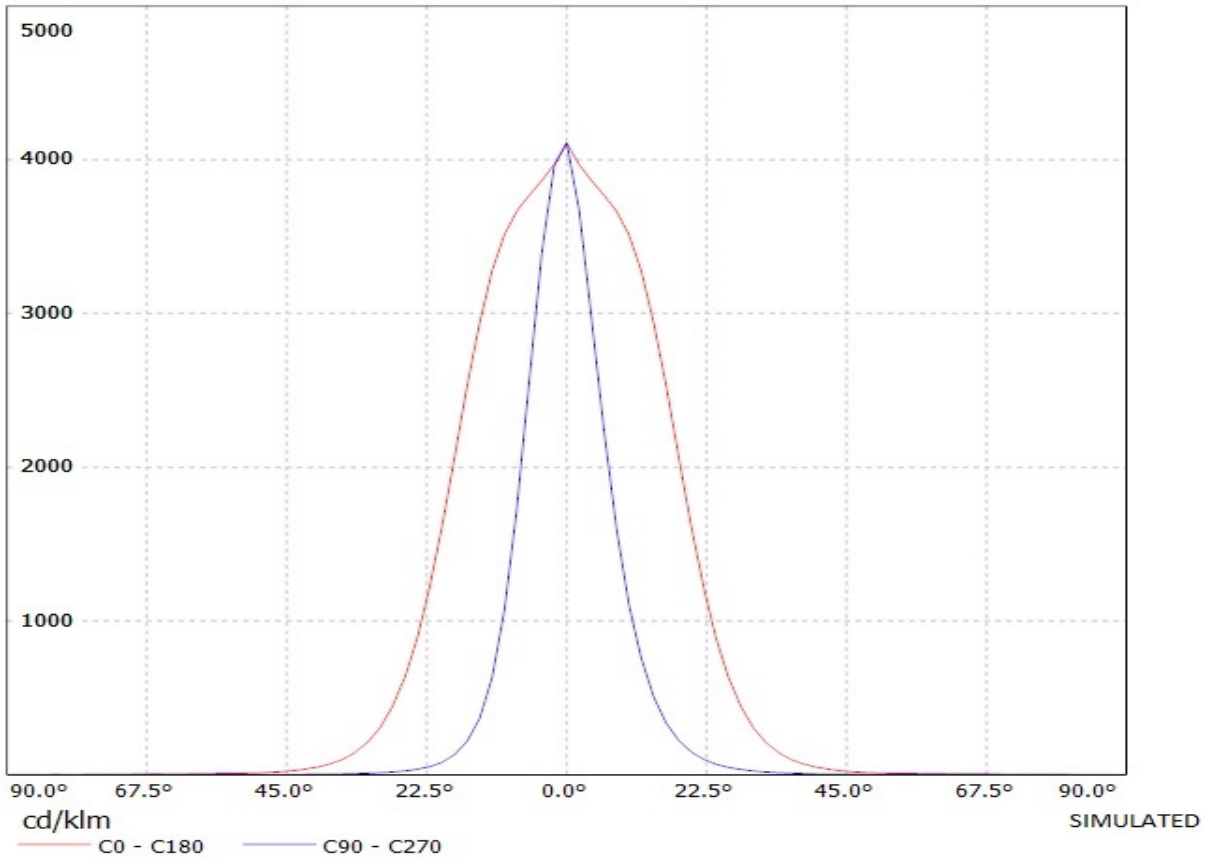
# Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape / LDC (Linear)

Luminaire: Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape  
Lamps: 1 x Cree XP-E white

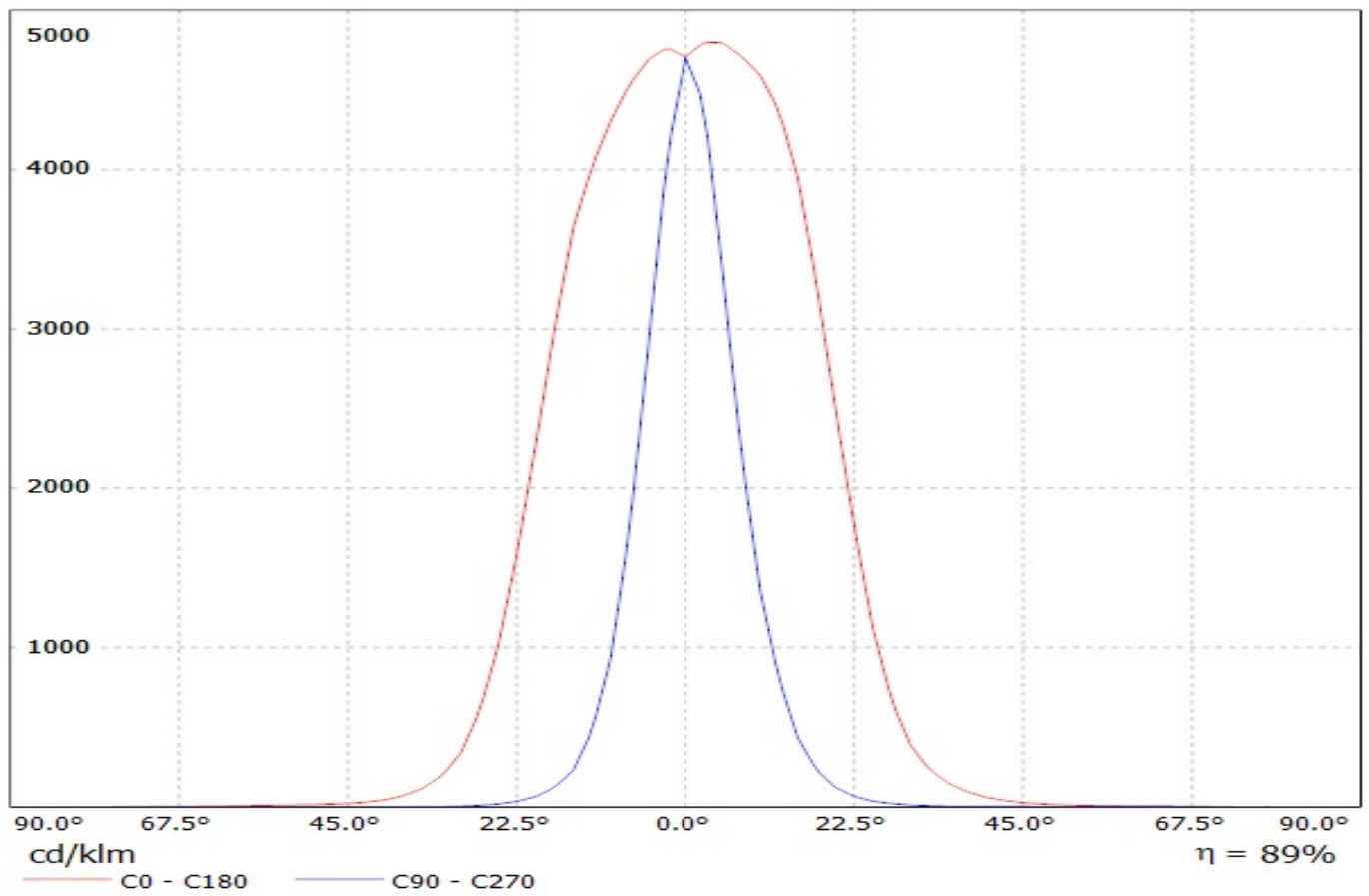


Ledil Oy CA12012\_Laura-O-Pin-XP-G-tape / LDC (Linear)

Luminaire: Ledil Oy CA12012\_Laura-O-Pin-XP-G-tape  
Lamps: 1 x Cree XP-G 63,5lm 250mA Warm

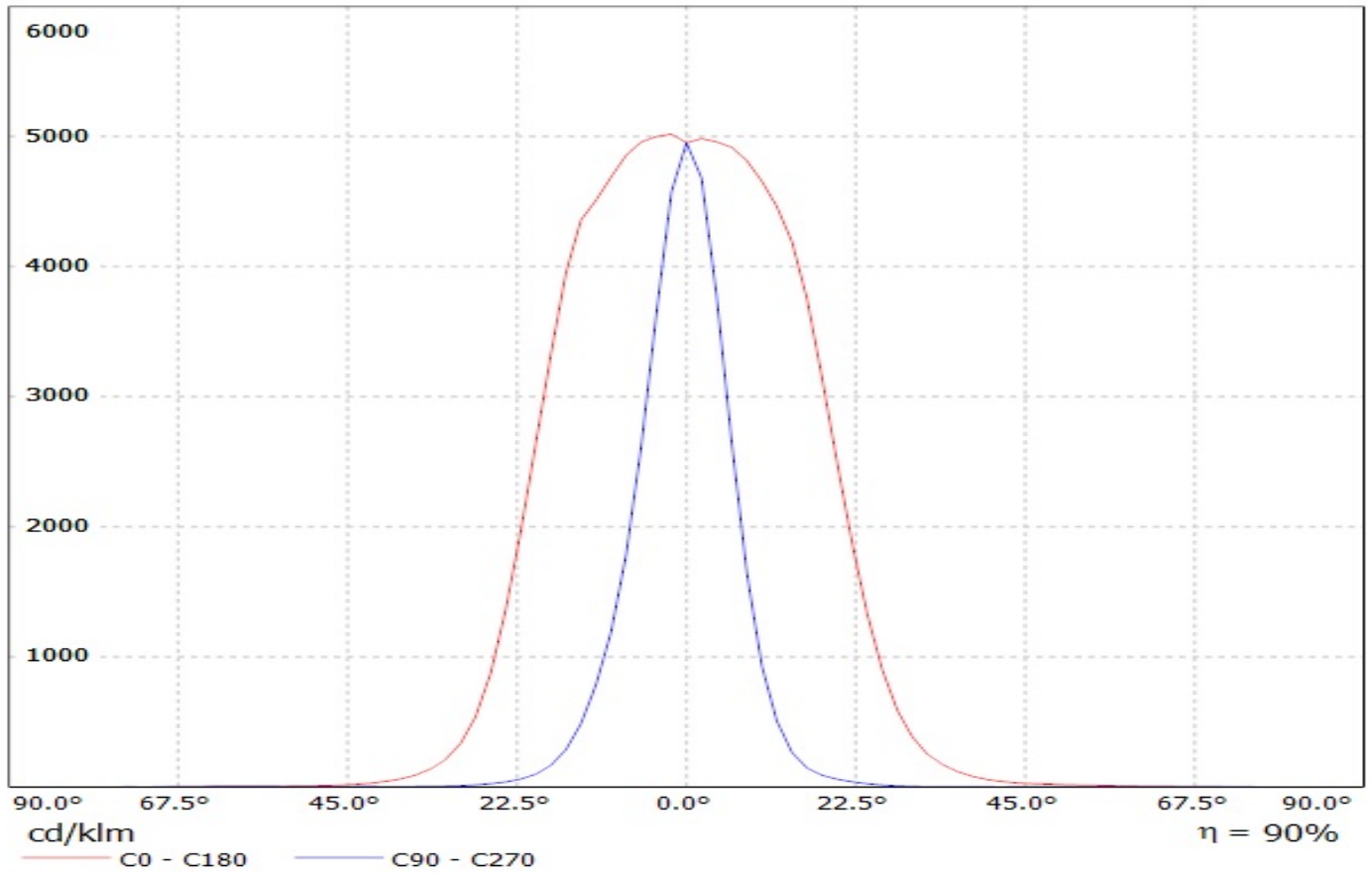


Luminaire: LEDil Oy CA11365\_LAURA-O\_(3535\_Ceramic\_gen2) Efficiency=88%  
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA

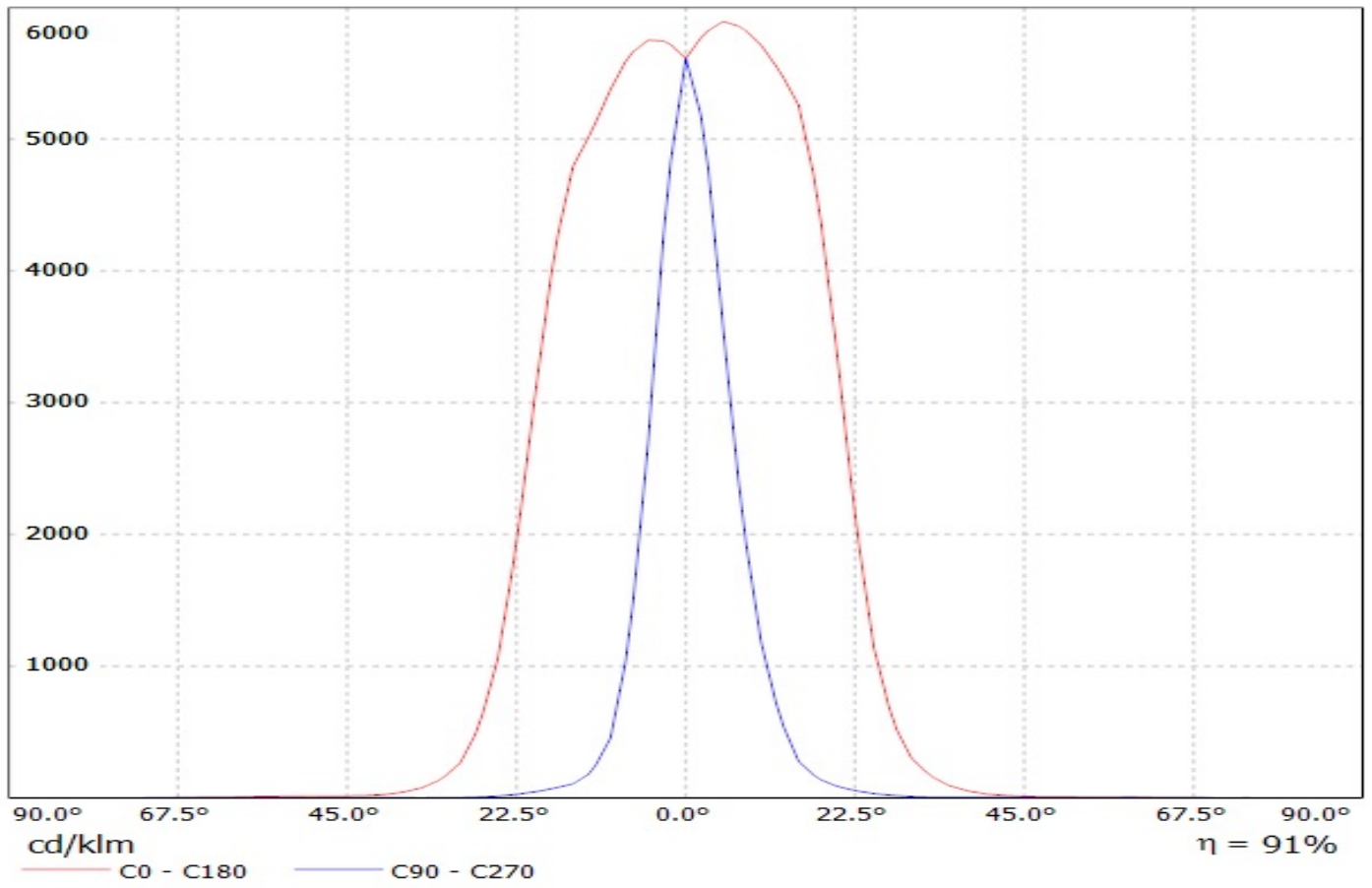


Luminaire: LEDil Oy CA11365\_LAURA-O\_(XP-G2) Efficiency=88%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA



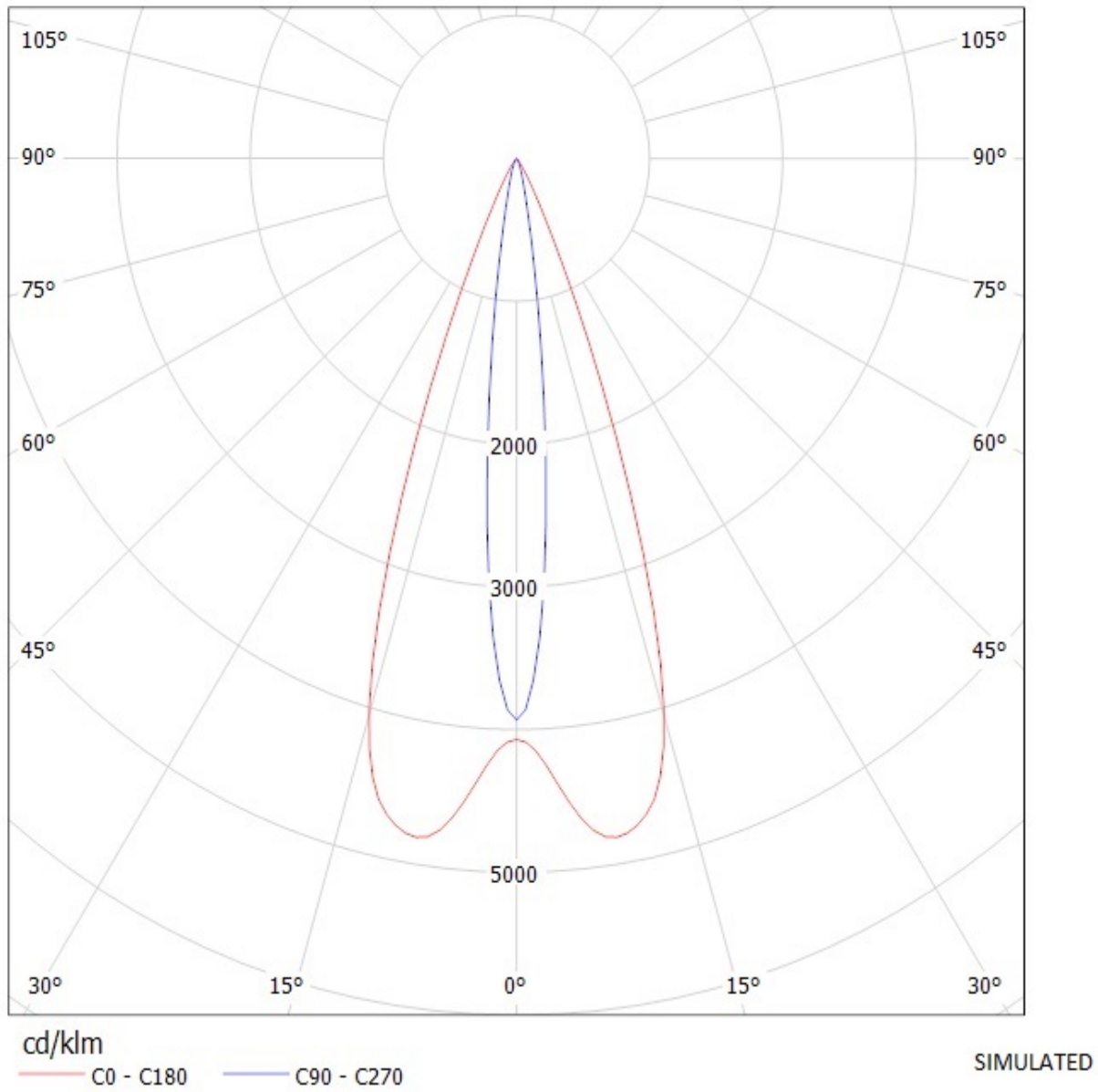
Luminaire: LEDil Oy CA11365\_LAURA-O\_(XP-E2) Efficiency=89%  
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



# Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape / LDC (Polar)

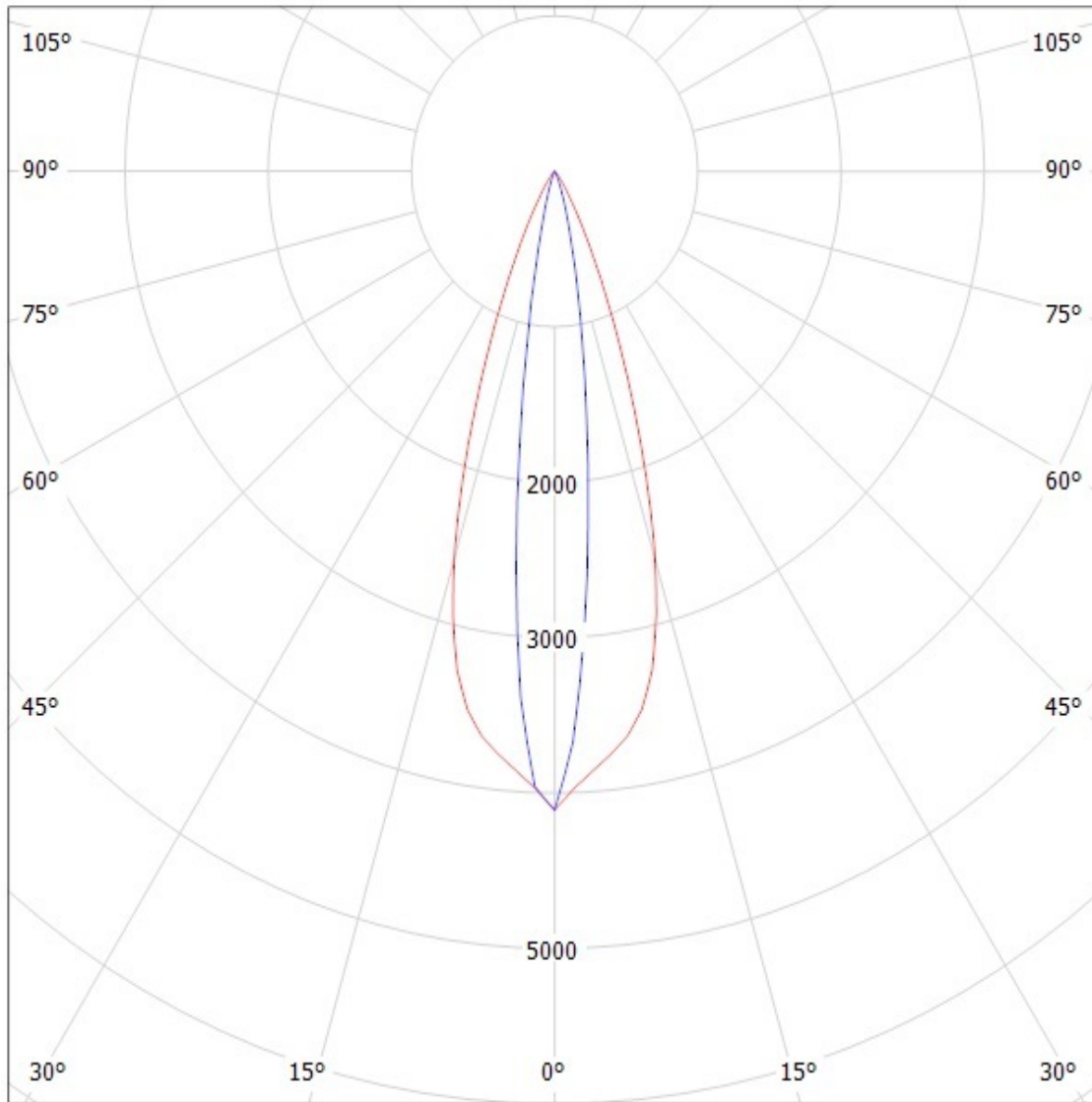
Luminaire: Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape

Lamps: 1 x Cree XP-E white



# Ledil Oy CA12012\_Laura-O-Pin-XP-G-tape / LDC (Polar)

Luminaire: Ledil Oy CA12012\_Laura-O-Pin-XP-G-tape  
Lamps: 1 x Cree XP-G 63,5lm 250mA Warm



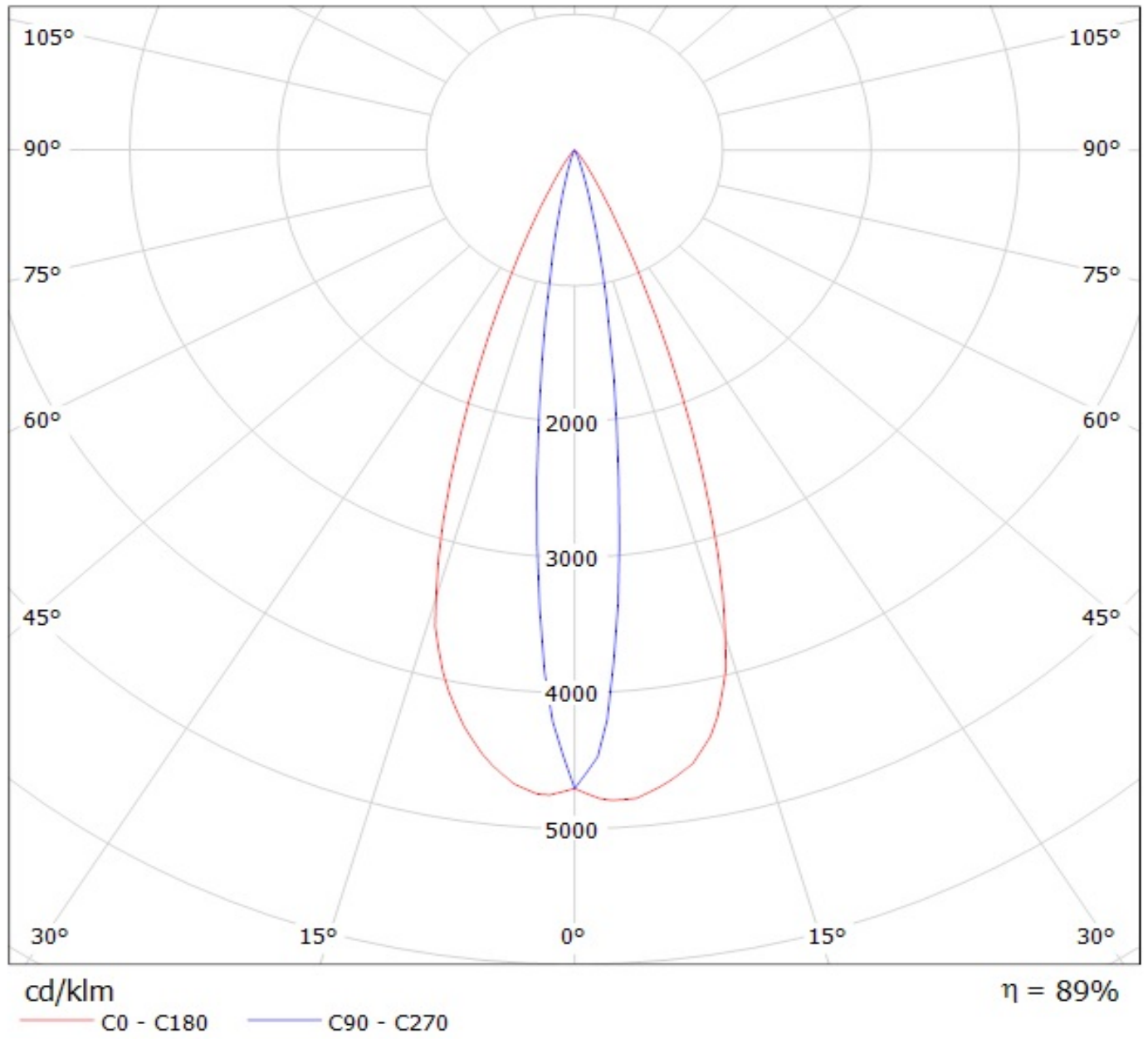
cd/klm

— C0 - C180 — C90 - C270

SIMULATED

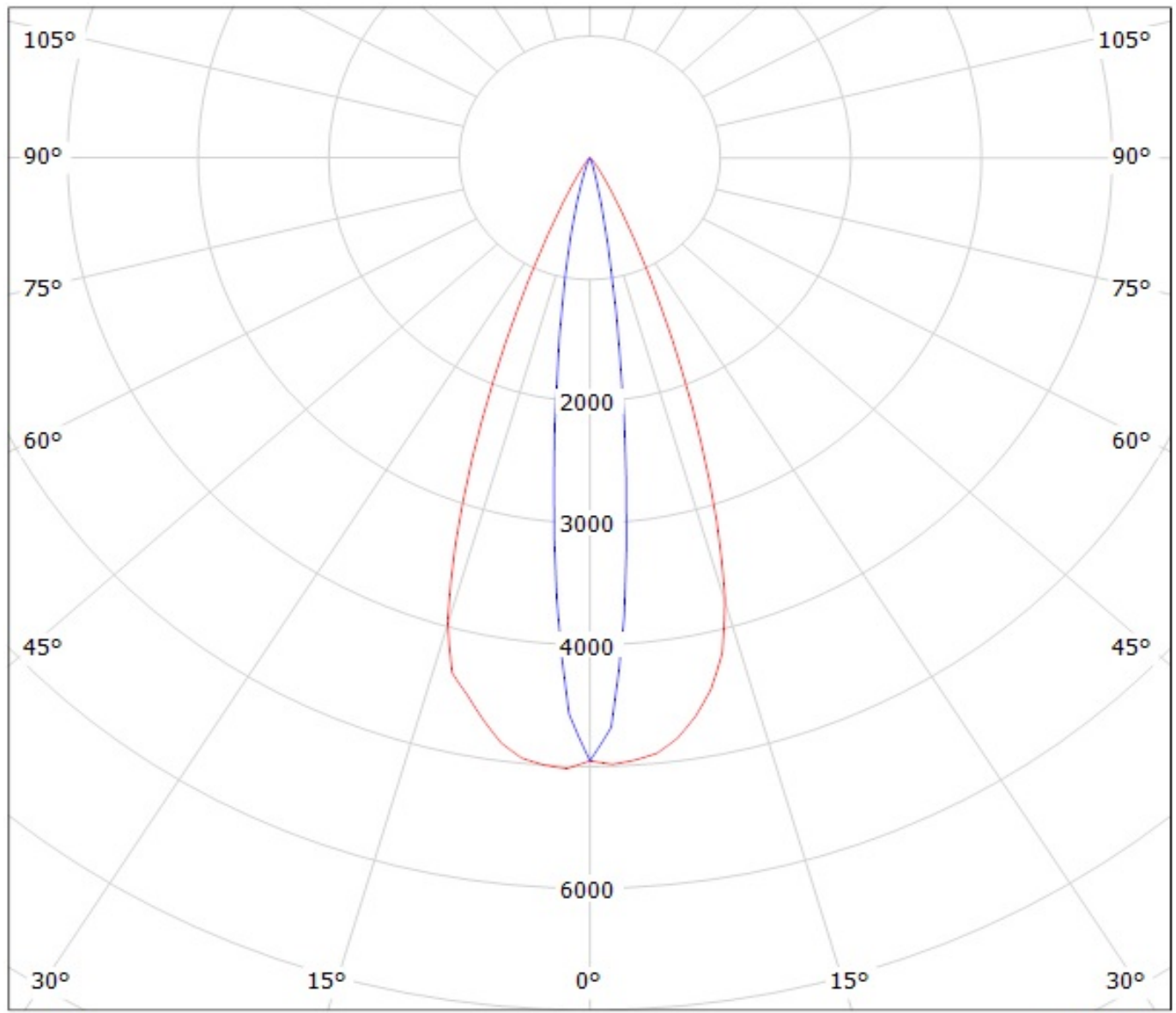


Luminaire: LEDil Oy CA11365\_LAURA-O\_(3535\_Ceramic\_gen2) Efficiency=88%  
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA



Luminaire: LEDil Oy CA11365\_LAURA-O\_(XP-G2) Efficiency=88%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA

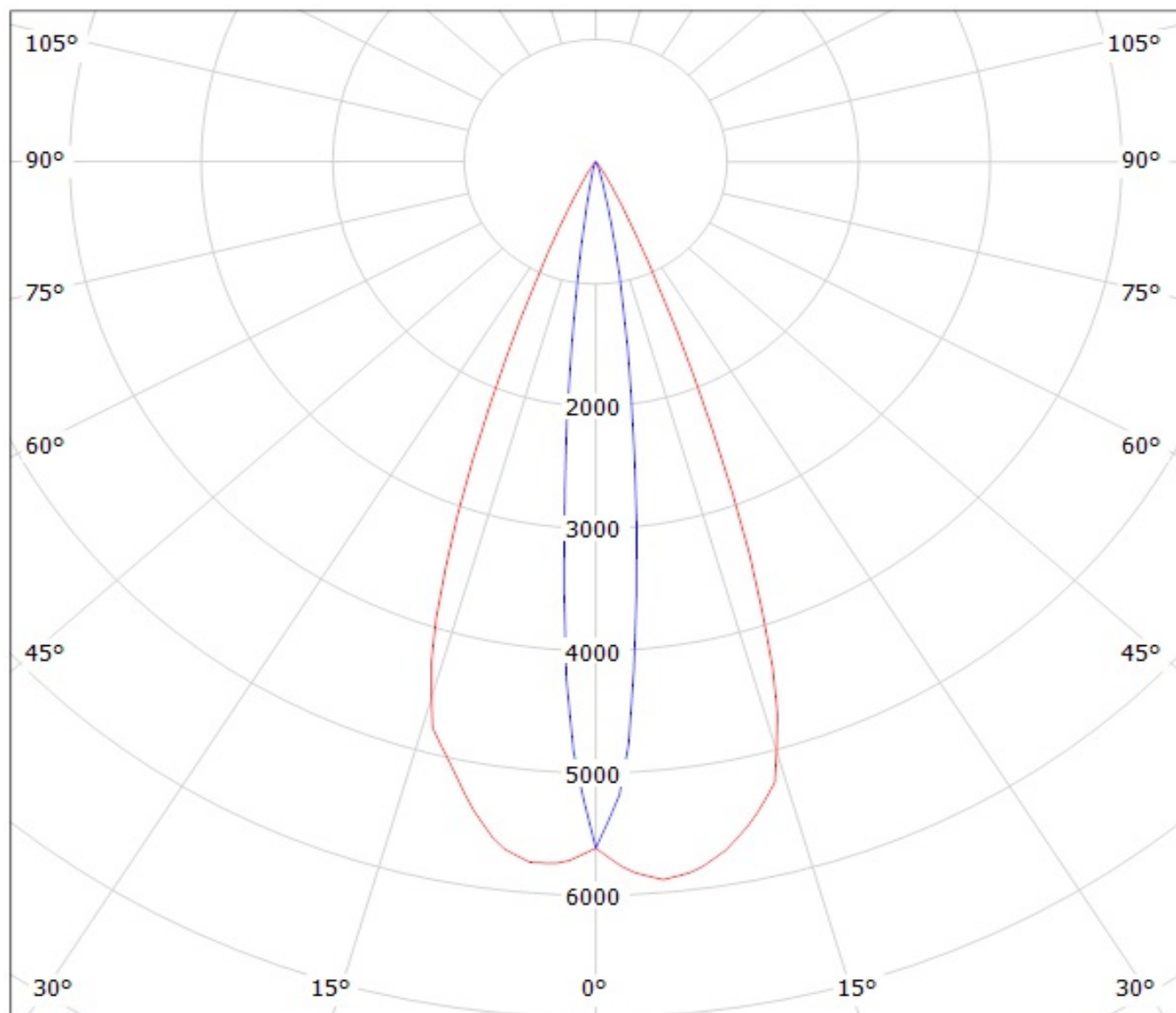


cd/klm

— C0 - C180    — C90 - C270

$\eta = 90\%$

Luminaire: LEDil Oy CA11365\_LAURA-O\_(XP-E2) Efficiency=89%  
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



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 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.**