

**Ordering number FA10668_CXP-RS**

Family	Rose	FWHM	7 degrees
Type	Assembly	Efficiency	86 %
LED	XP-E	cd/Im	24.770
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA10669_CXP-O**

Family	Rose	FWHM	11+45 degrees
Type	Assembly	Efficiency	81 %
LED	XP-E	cd/Im	3.690
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA10666_CXP-D**

Family	Rose	FWHM	13 degrees
Type	Assembly	Efficiency	85 %
LED	XP-E	cd/Im	7.860
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA11153_CXP-O-90**

Family	Rose	FWHM	14+46 degrees
Type	Assembly	Efficiency	81 %
LED	XP-E	cd/Im	-
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA10667_CXP-SS**

Family	Rose	FWHM	16 degrees
Type	Assembly	Efficiency	86 %
LED	XP-E	cd/Im	6.770
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA10665_CXP-M**

Family	Rose	FWHM	30 degrees
Type	Assembly	Efficiency	83 %
LED	XP-E	cd/Im	2.110
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA10708_CXP-W**

Family	Rose	FWHM	31 degrees
Type	Assembly	Efficiency	79 %
LED	XP-E	cd/Im	1.630
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.15 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

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.



PRODUCT DATASHEET

Rose series

last update 26/6/2013

GENERAL INFORMATION

- Product series especially designed & optimized for XP-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- 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

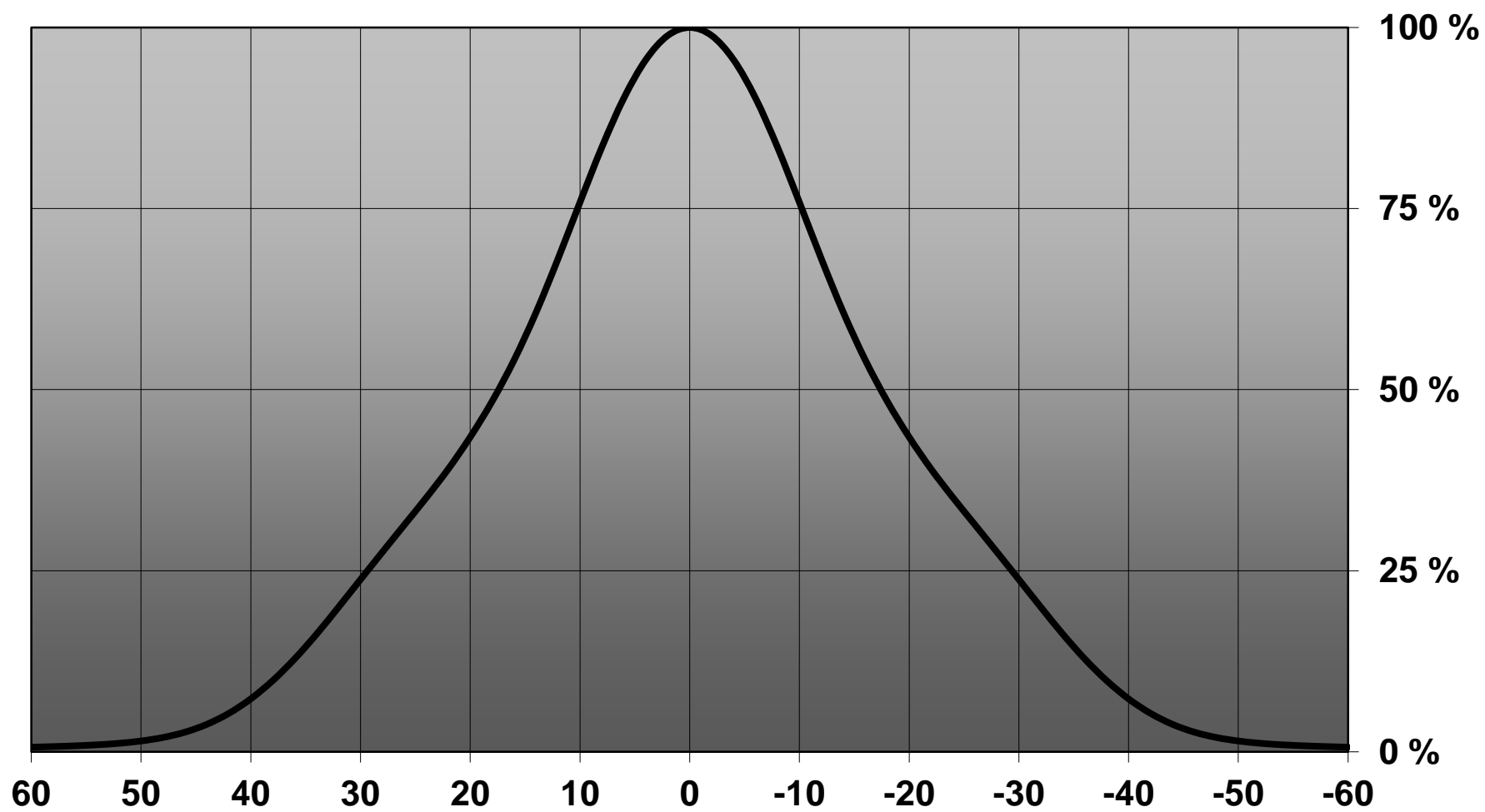
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

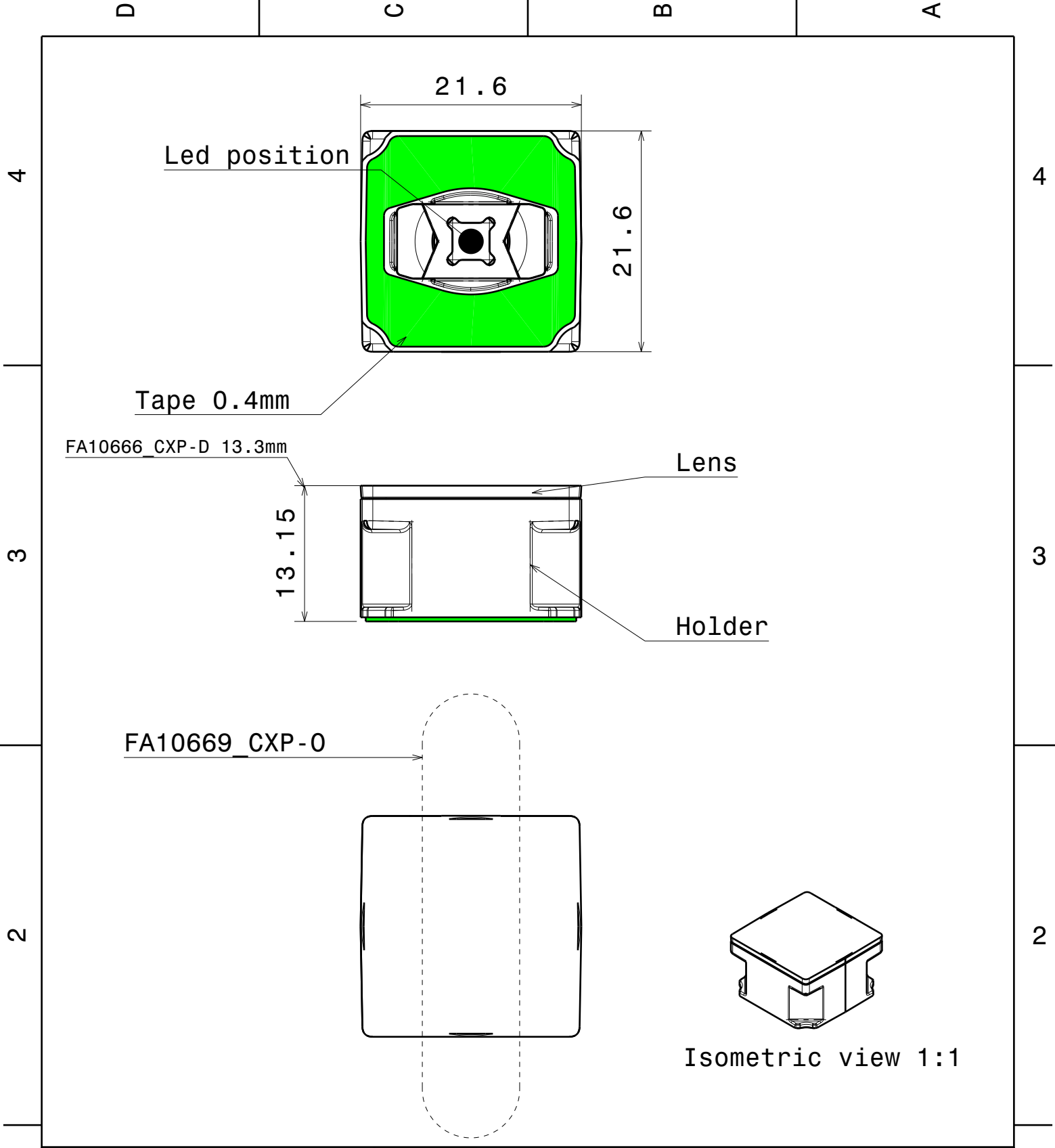
NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

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.

Relative Intensity of FA10708_CXP-W





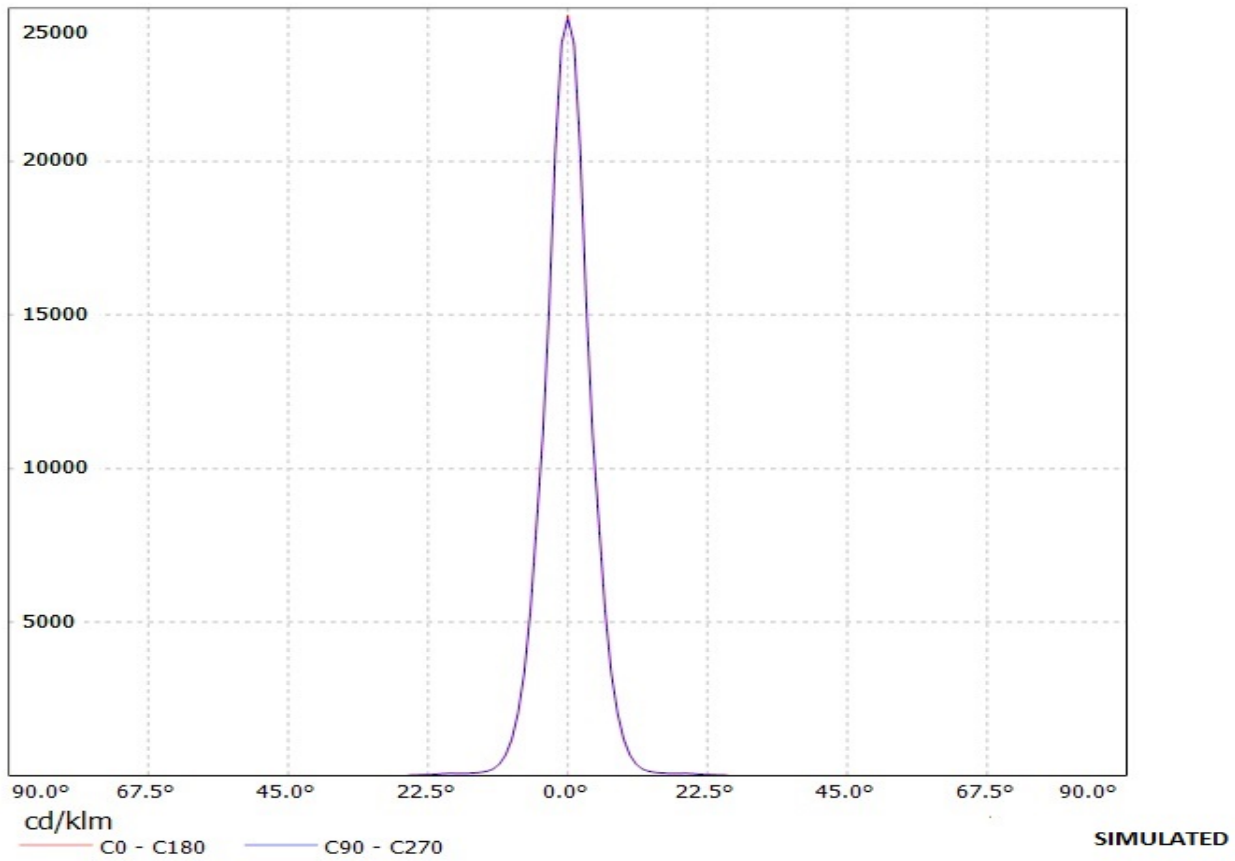
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class F, otherwise class M. According to DIN ISO 2768-2 Form and position: class K		<div>Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</div>			
THIRD ANGLE PROJECTION: 		DRAWING TITLE Datasheet CXP			
This drawing 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

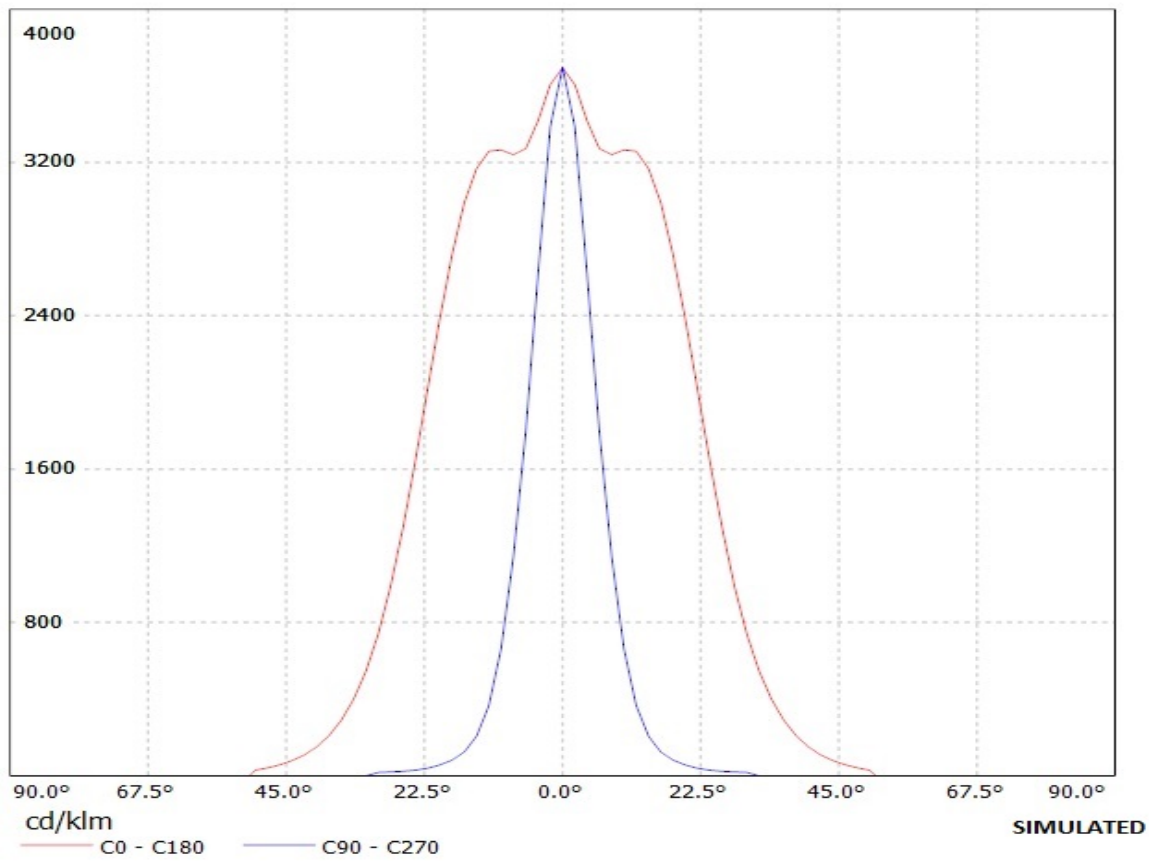
Ledil Oy FA10668_CXP-RS FA10668_CXP-RS / LDC (Linear)

Luminaire: Ledil Oy FA10668_CXP-RS FA10668_CXP-RS
Lamps: 1 x Cree XP-E (white)



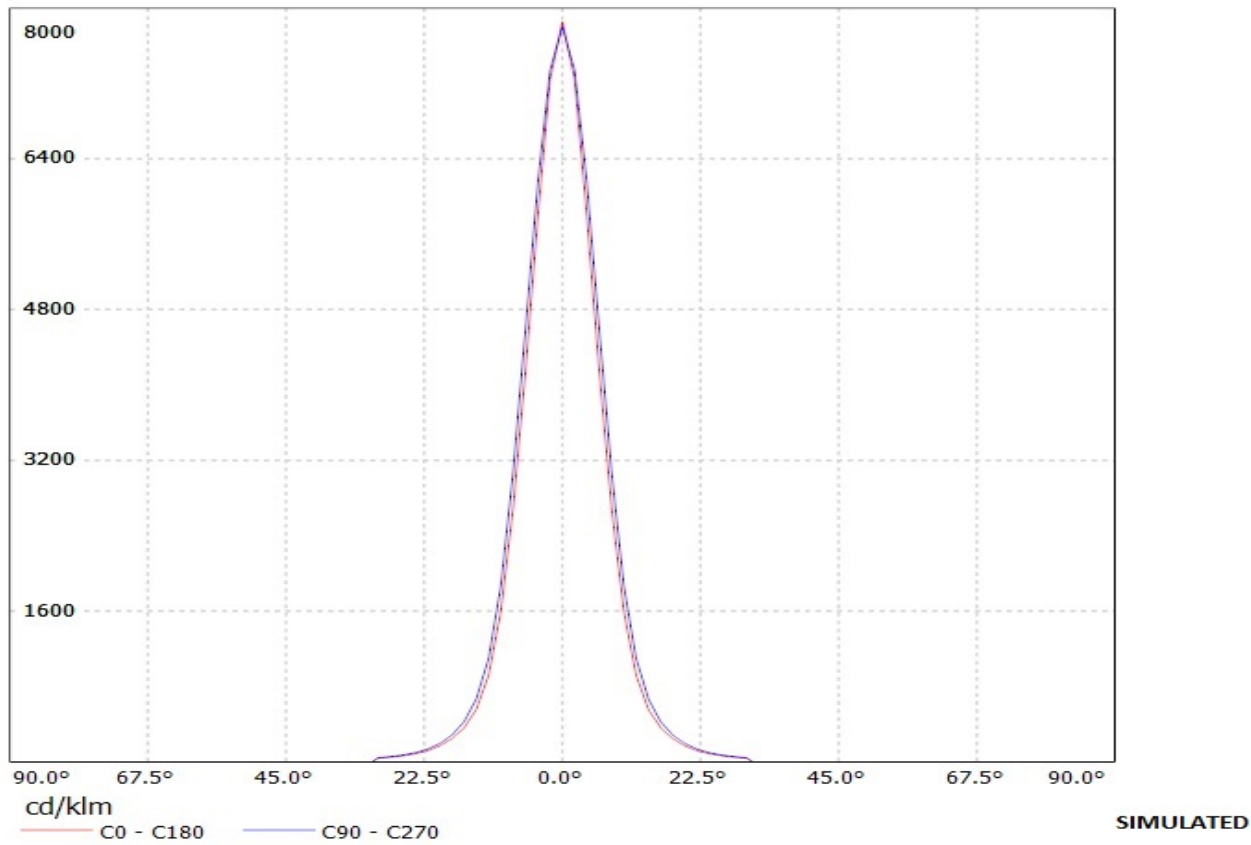
Ledil Oy FA10669_CXP-O FA10669_CXP-O / LDC (Linear)

Luminaire: Ledil Oy FA10669_CXP-O FA10669_CXP-O
Lamps: 1 x Cree XP-E (White)



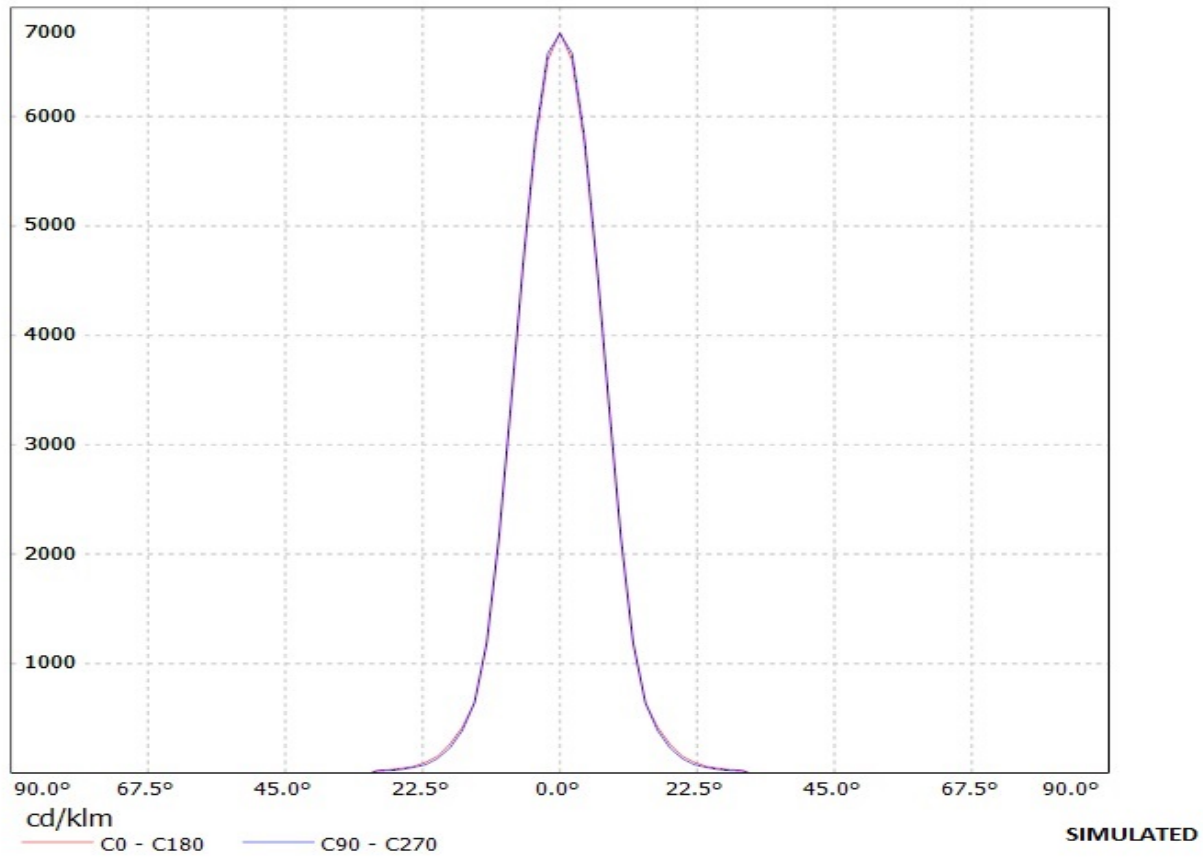
Ledil Oy FA10666_CXP-D FA10666_CXP-D / LDC (Linear)

Luminaire: Ledil Oy FA10666_CXP-D FA10666_CXP-D
Lamps: 1 x Cree XP-E (white)



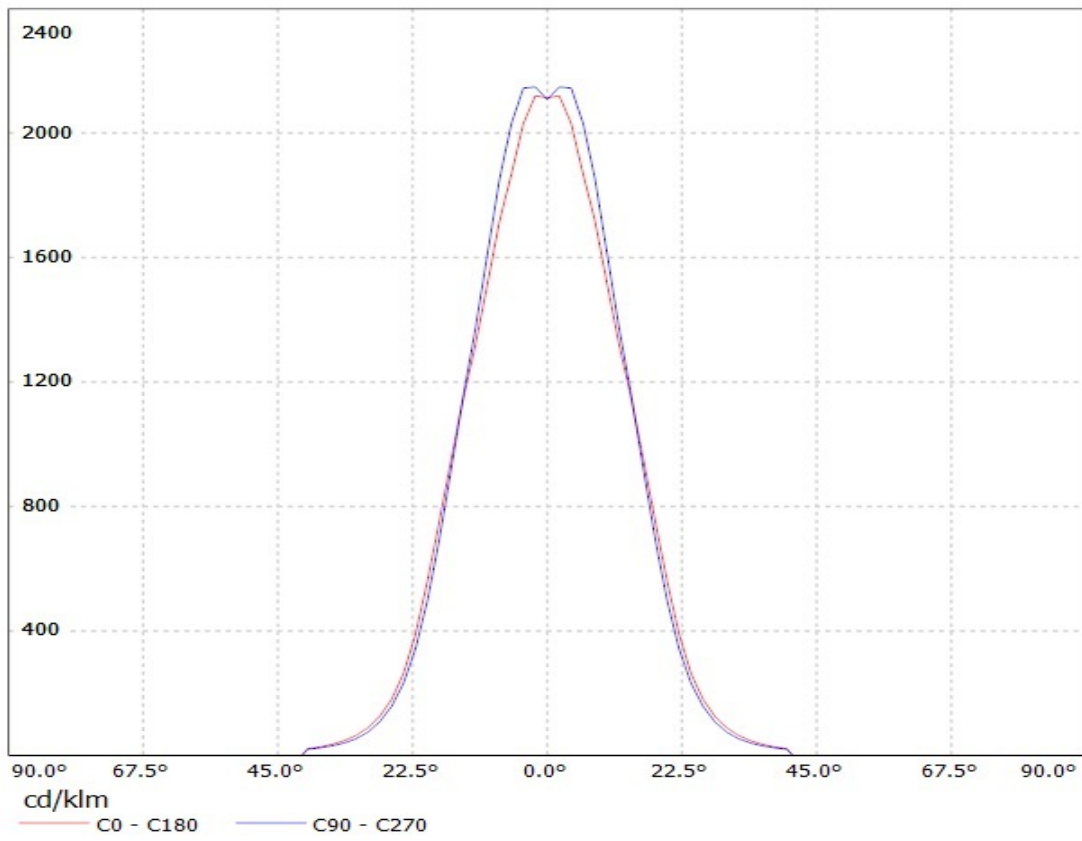
Ledil Oy FA10667_CXP-SS FA10667_CXP-SS / LDC (Linear)

Luminaire: Ledil Oy FA10667_CXP-SS FA10667_CXP-SS
Lamps: 1 x Cree XP-E (white)



Ledil Oy FA10665_CXP-M FA10665_CXP-M / LDC (Linear)

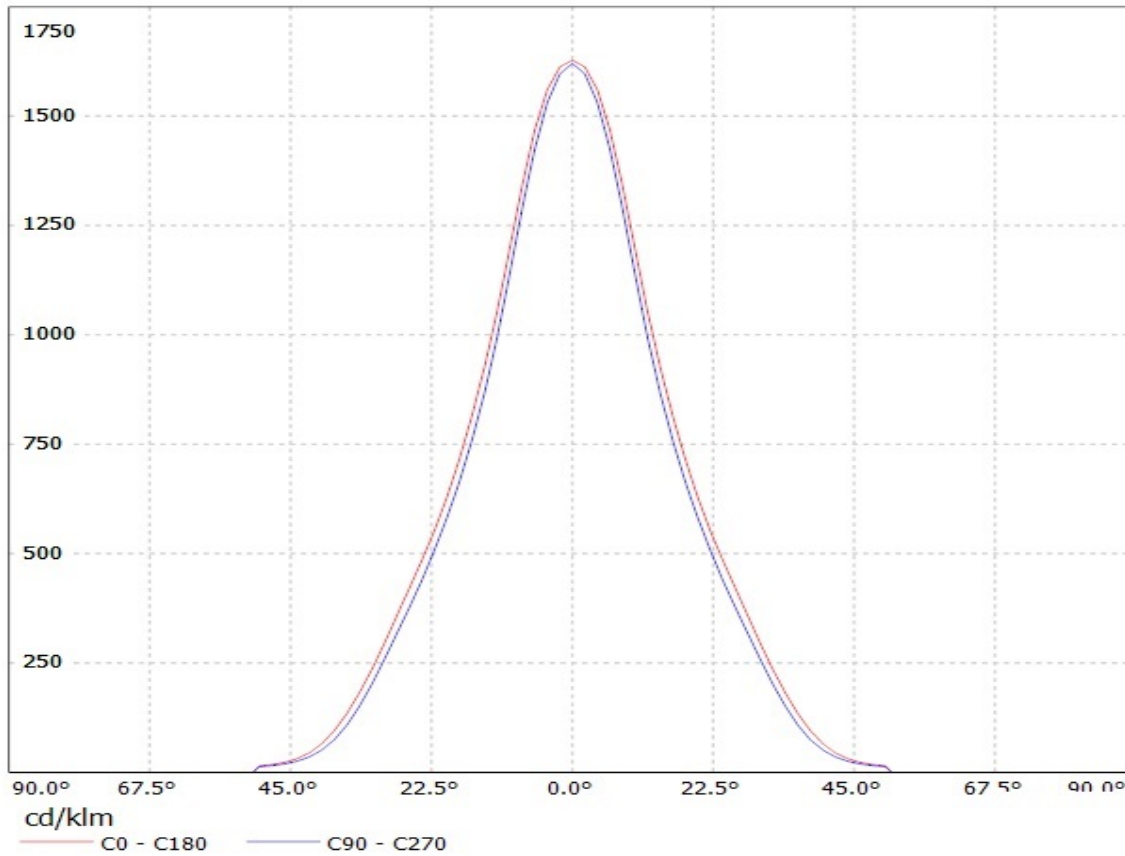
Luminaire: Ledil Oy FA10665_CXP-M FA10665_CXP-M
Lamps: 1 x Cree XP-E (white)



SIMULATED

Ledil Oy FA10708_CXP-W FA10708_CXP-W / LDC (Linear)

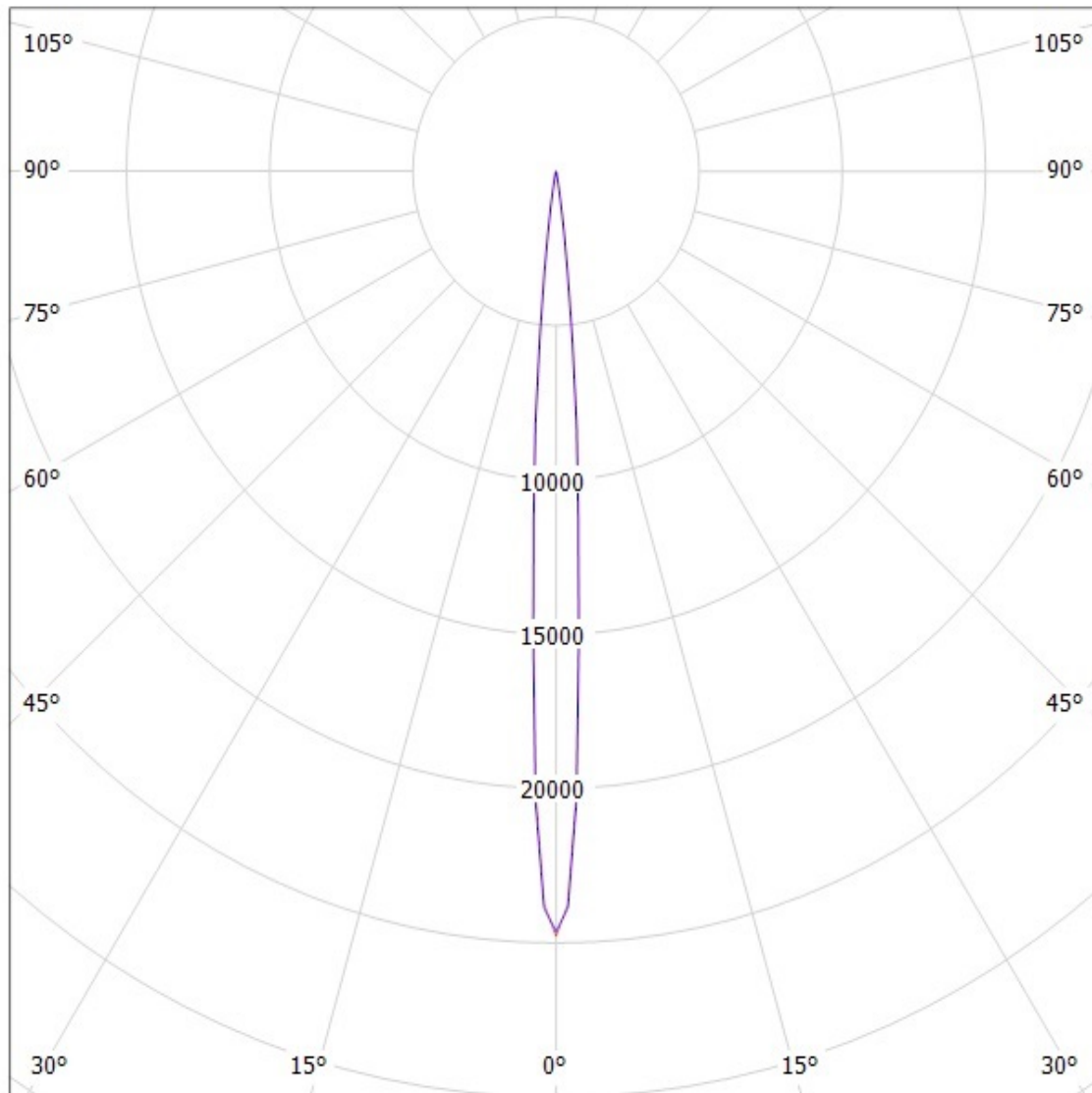
Luminaire: Ledil Oy FA10708_CXP-W FA10708_CXP-W
Lamps: 1 x Cree XP-E (white)



Ledil Oy FA10668_CXP-RS FA10668_CXP-RS / LDC (Polar)

Luminaire: Ledil Oy FA10668_CXP-RS FA10668_CXP-RS

Lamps: 1 x Cree XP-E (white)



cd/klm

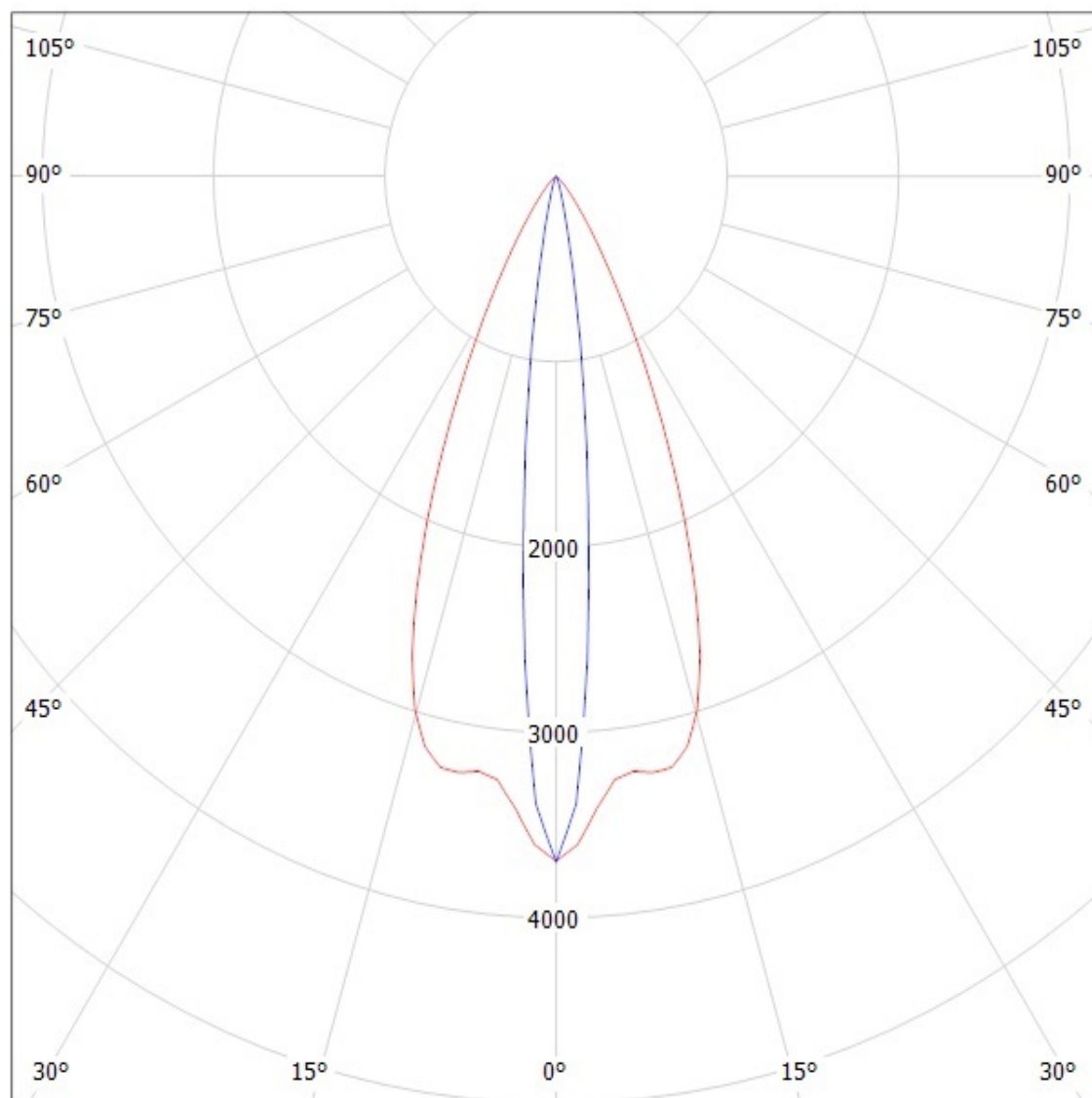
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10669_CXP-O FA10669_CXP-O / LDC (Polar)

Luminaire: Ledil Oy FA10669_CXP-O FA10669_CXP-O

Lamps: 1 x Cree XP-E (White)



cd/klm

— C0 - C180

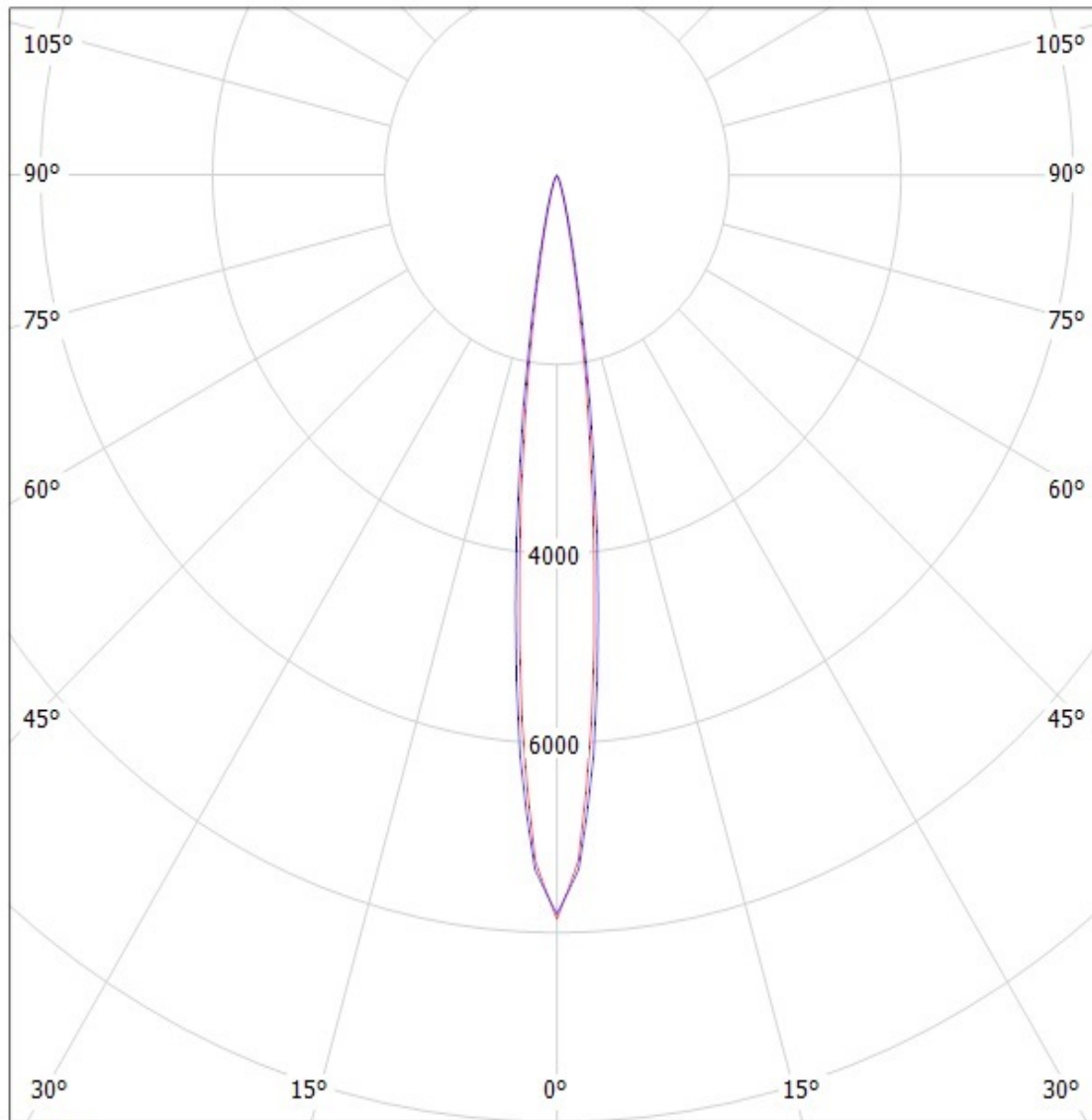
— C90 - C270

SIMULATED

Ledil Oy FA10666_CXP-D FA10666_CXP-D / LDC (Polar)

Luminaire: Ledil Oy FA10666_CXP-D FA10666_CXP-D

Lamps: 1 x Cree XP-E (white)



cd/klm

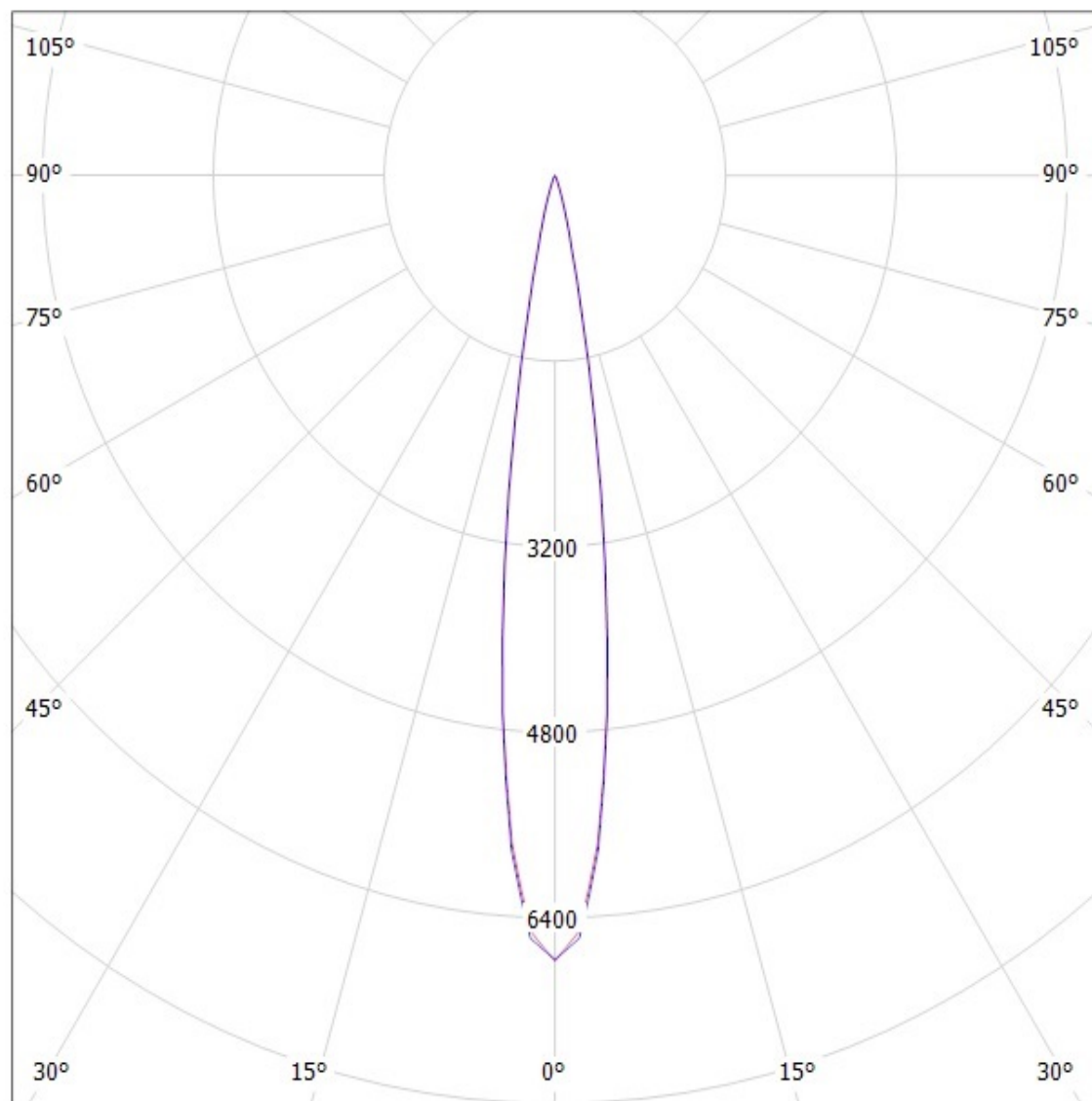
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10667_CXP-SS FA10667_CXP-SS / LDC (Polar)

Luminaire: Ledil Oy FA10667_CXP-SS FA10667_CXP-SS

Lamps: 1 x Cree XP-E (white)



cd/klm

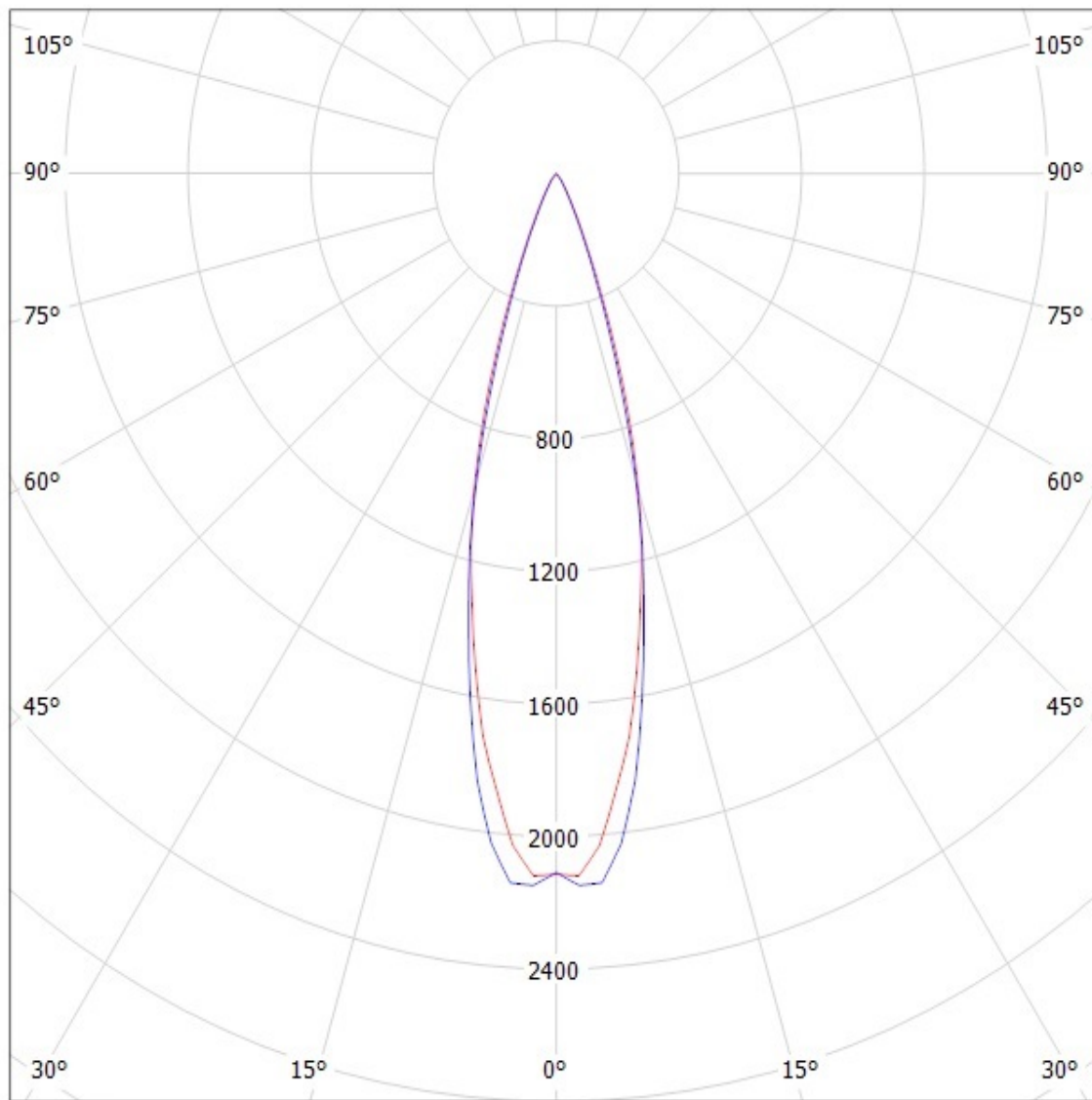
— C0 - C180

— C90 - C270

SIMULATED

Ledil Oy FA10665_CXP-M FA10665_CXP-M / LDC (Polar)

Luminaire: Ledil Oy FA10665_CXP-M FA10665_CXP-M
Lamps: 1 x Cree XP-E (white)



cd/klm

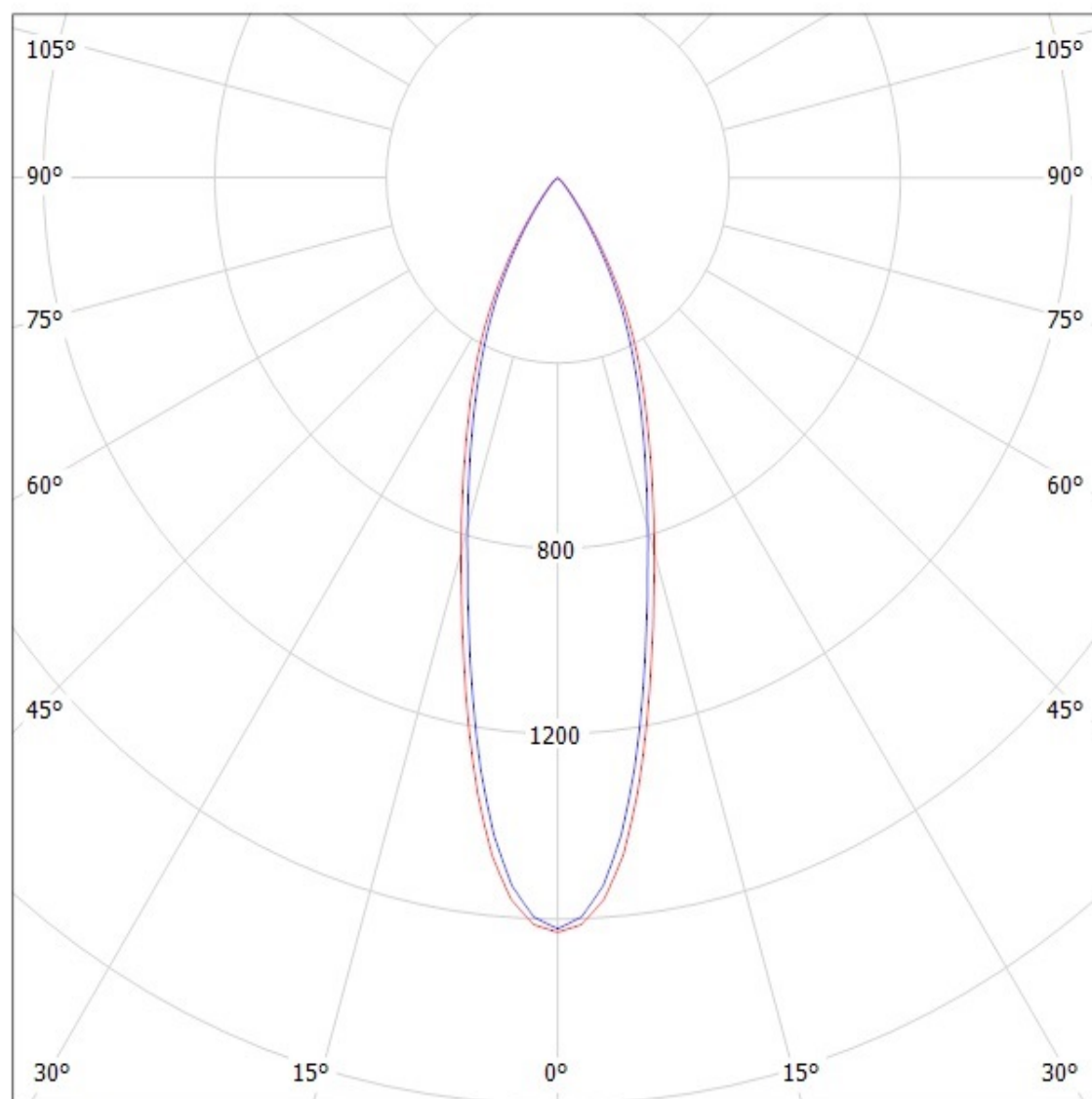
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10708_CXP-W FA10708_CXP-W / LDC (Polar)

Luminaire: Ledil Oy FA10708_CXP-W FA10708_CXP-W

Lamps: 1 x Cree XP-E (white)



cd/klm

— C0 - C180

— C90 - C270

SIMULATED