

**Product number FA10661_LXP-RS**

Family	Leila	FWHM	7.5 degrees
Type	Assembly	Efficiency	92 %
LED	XP-E	cd/Im	39.700
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA11739_LXP-RS2**

Family	Leila	FWHM	9 degrees
Type	Assembly	Efficiency	94 %
LED	XP-E	cd/Im	25.000
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10663_LXP-D**

Family	Leila	FWHM	12 degrees
Type	Assembly	Efficiency	90 %
LED	XP-E	cd/Im	12.000
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10660_LXP-M**

Family	Leila	FWHM	22 degrees
Type	Assembly	Efficiency	90 %
LED	XP-E	cd/Im	4.800
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA11450_LXP-M2**

Family	Leila	FWHM	25 degrees
Type	Assembly	Efficiency	91 %
LED	XP-E	cd/Im	3.700
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA12218_LXP-O**

Family	Leila	FWHM	34+13 degrees
Type	Assembly	Efficiency	89 %
LED	XP-E	cd/Im	5.400
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10662_LXP-REC**

Family	Leila	FWHM	40+22 degrees
Type	Assembly	Efficiency	82 %
LED	XP-E	cd/Im	2.200
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA11116_LXP-O-90**

Family	Leila	FWHM	41+10 degrees
Type	Assembly	Efficiency	89 %
LED	XP-E	cd/Im	5.300
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number** FA10832_LXP-W

Family	Leila	FWHM	46 degrees
Type	Assembly	Efficiency	84 %
LED	XP-E	cd/lm	1.300
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

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

Leila series

last update 10/4/2014



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 PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees 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

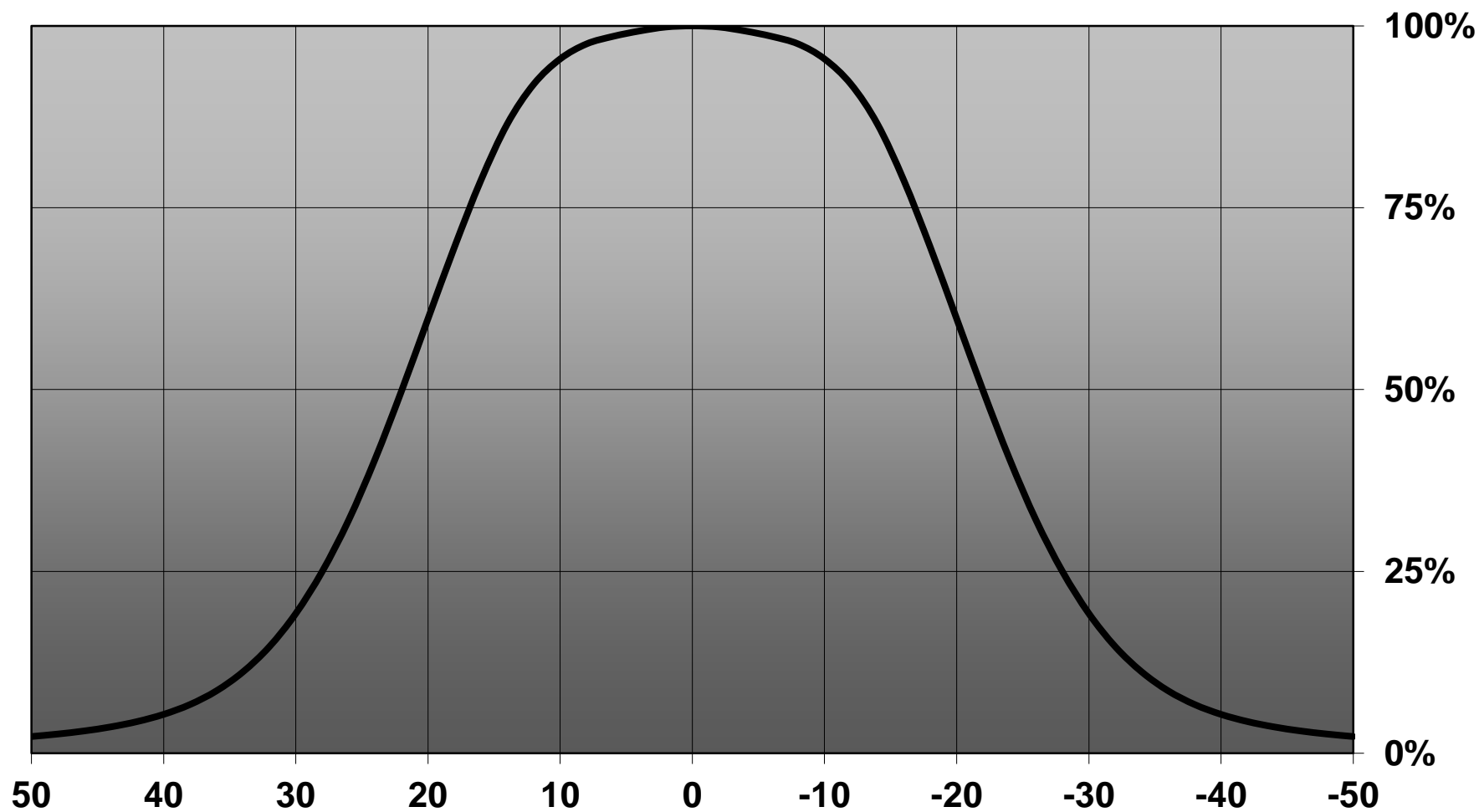
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

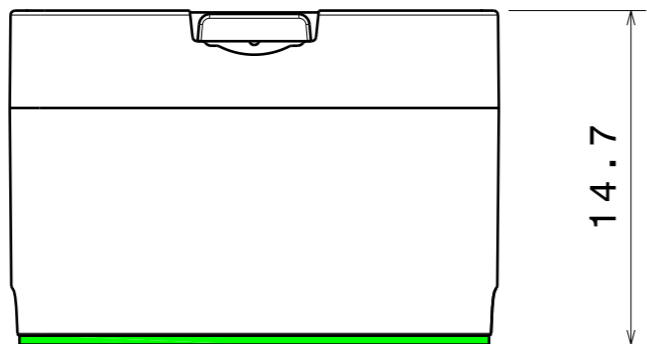
NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

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.

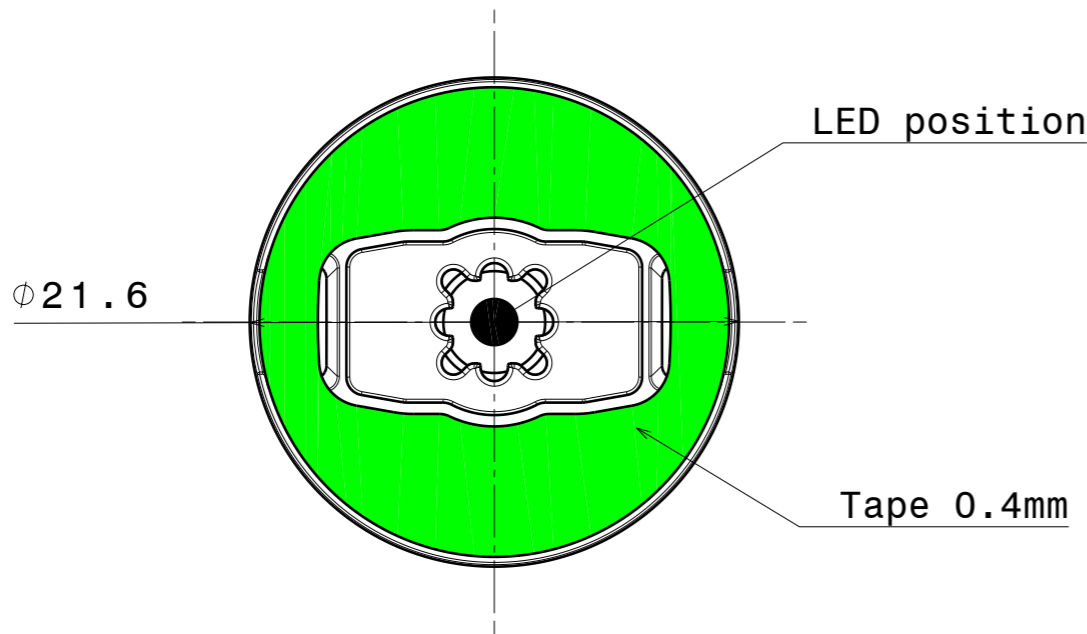
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

Relative intensity of FA10832_LXP-W-HEW

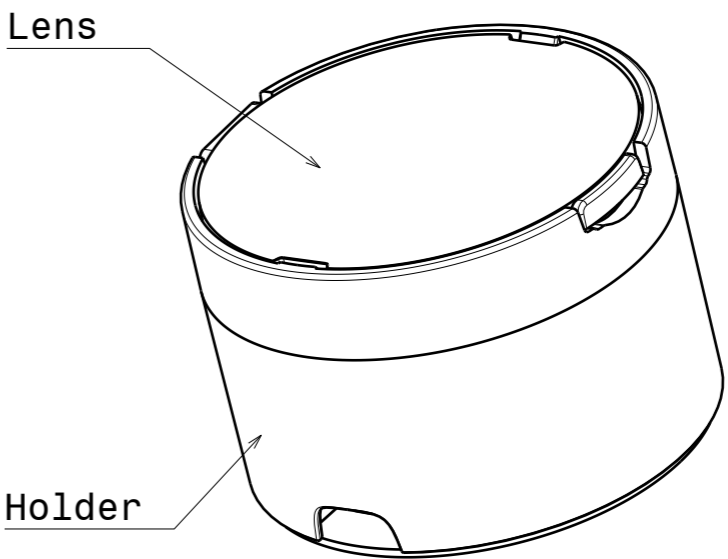




Front view
Scale: 3:1

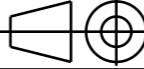



Bottom view
Scale: 3:1



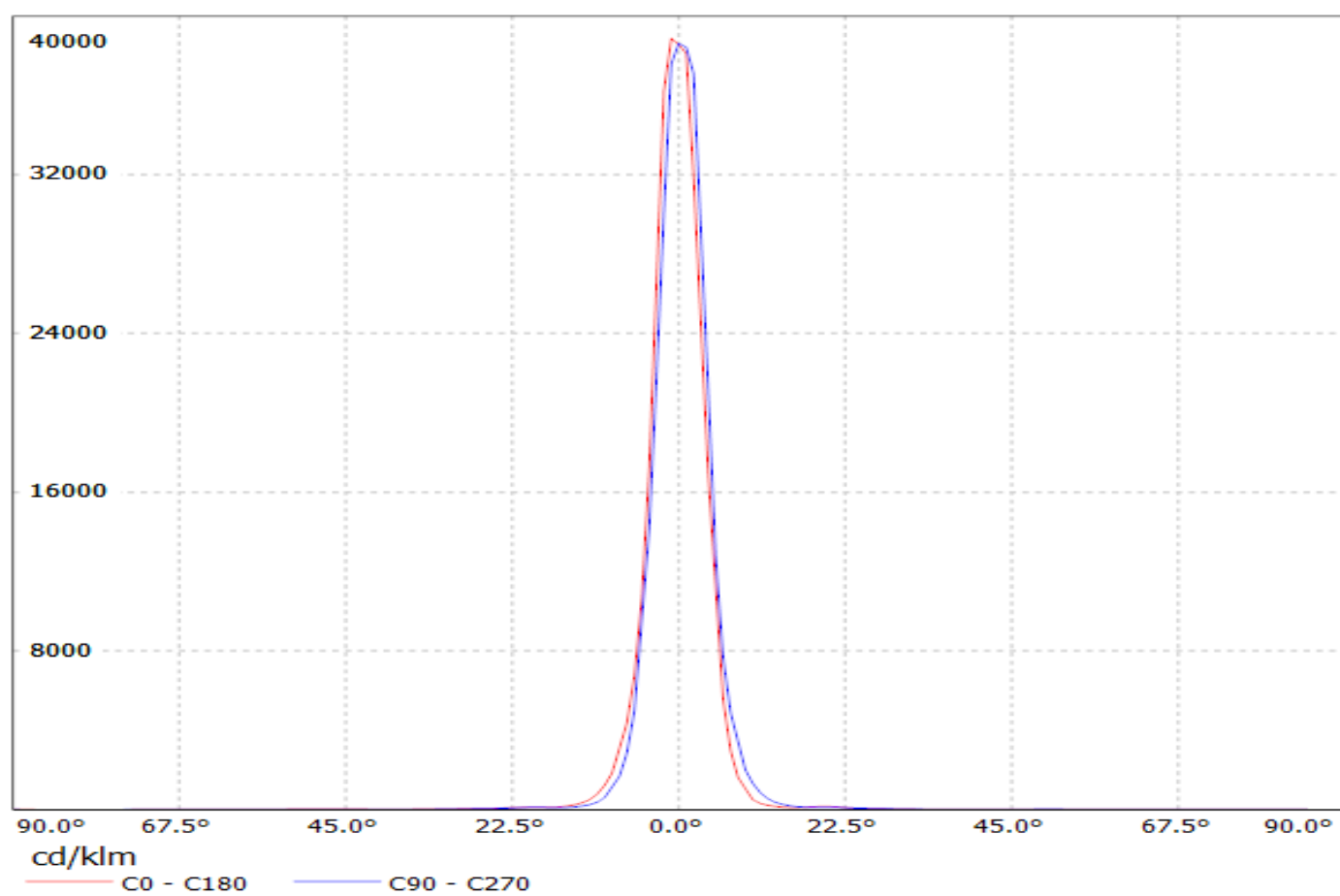
Isometric view
Scale: 3:1

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	
2	Holder	PC	black
3	Tape	PU 2-sided foam tape	adhesive

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	
THIRD ANGLE PROJECTION: 	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.	

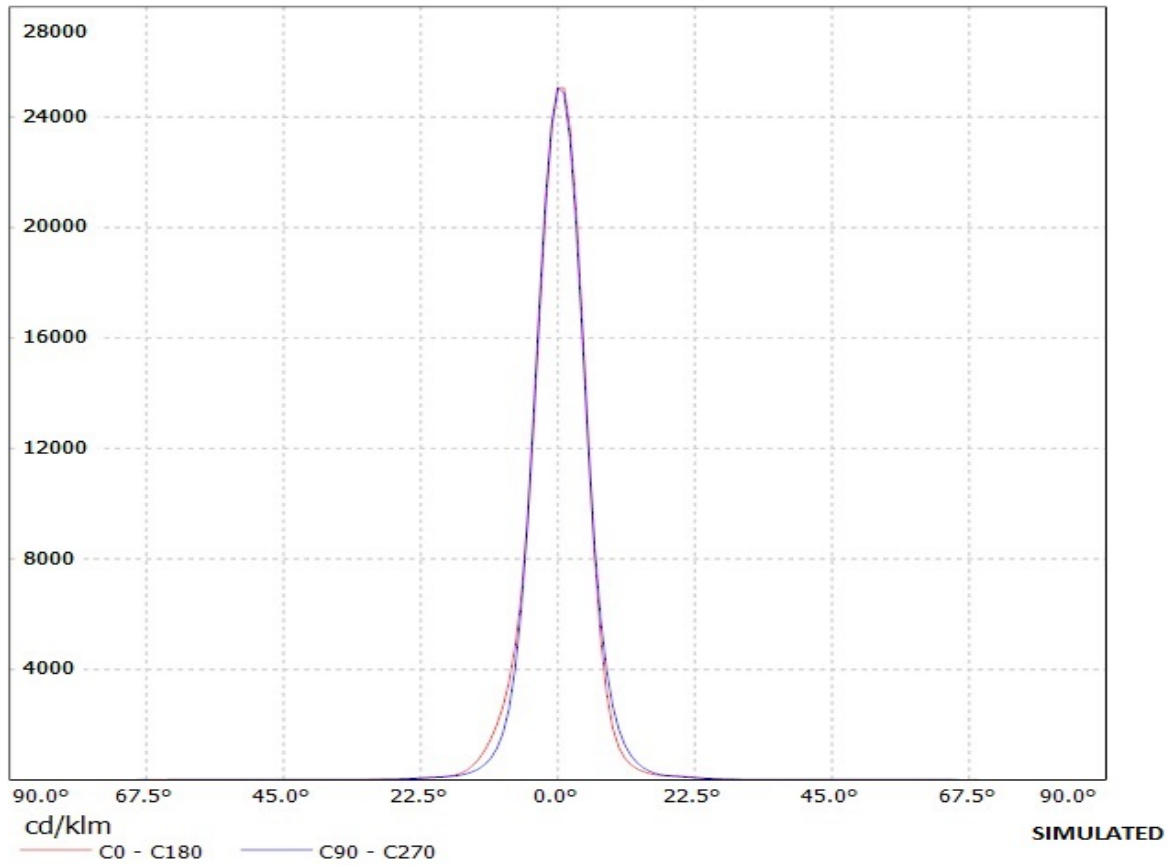
 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE Datasheet_LXP-Series	
SIZE A3	PART NUMBER -
SCALE 3:1	WEIGHT -
SHEET 1/1	

Luminaire: LEDiL Oy FA10661 _(XP-E) Eff.96.5%
Lamps: 1 x XP-E (50.7382lm@250mA)



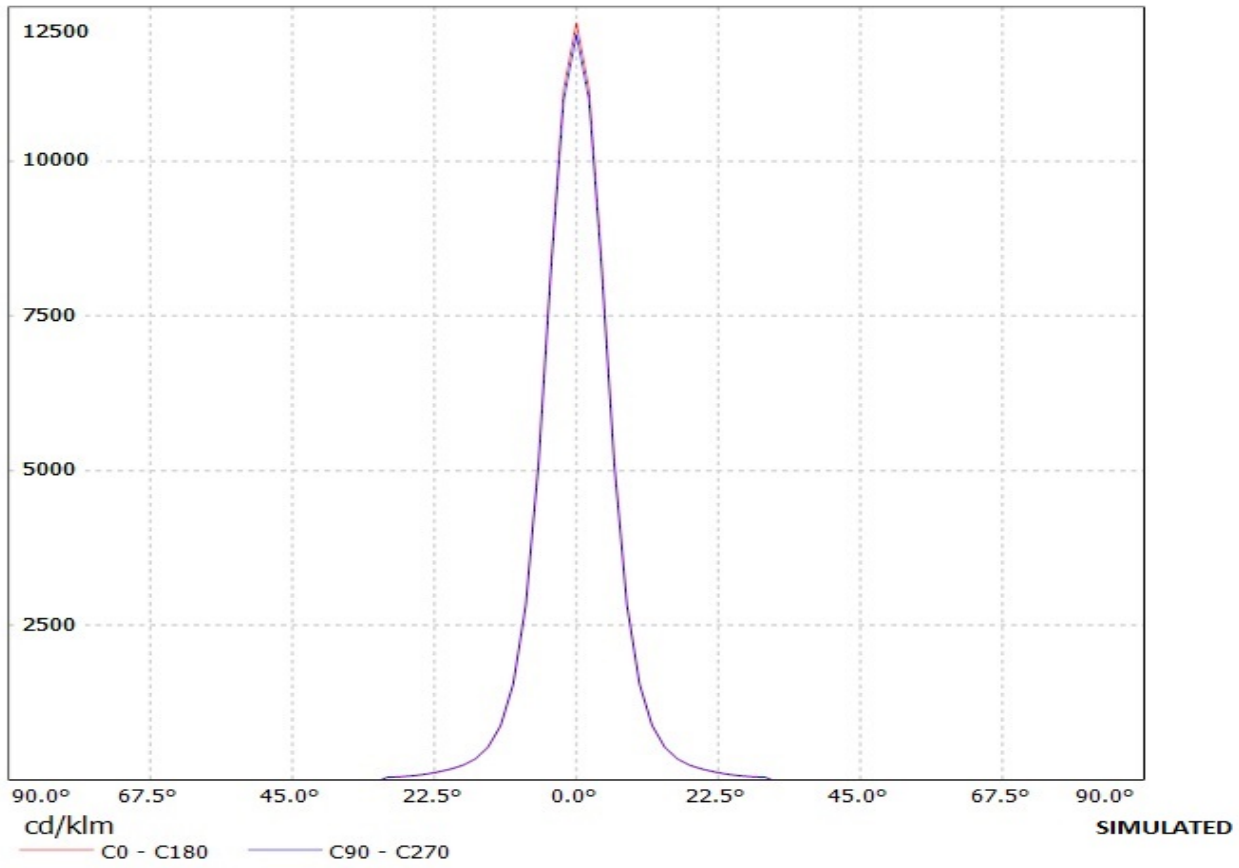
Ledil Oy FA11739_LXP-RS2 LOR=94% / LDC (Linear)

Luminaire: Ledil Oy FA11739_LXP-RS2 LOR=94%
Lamps: 1 x Cree XP-E 72lm 250mA



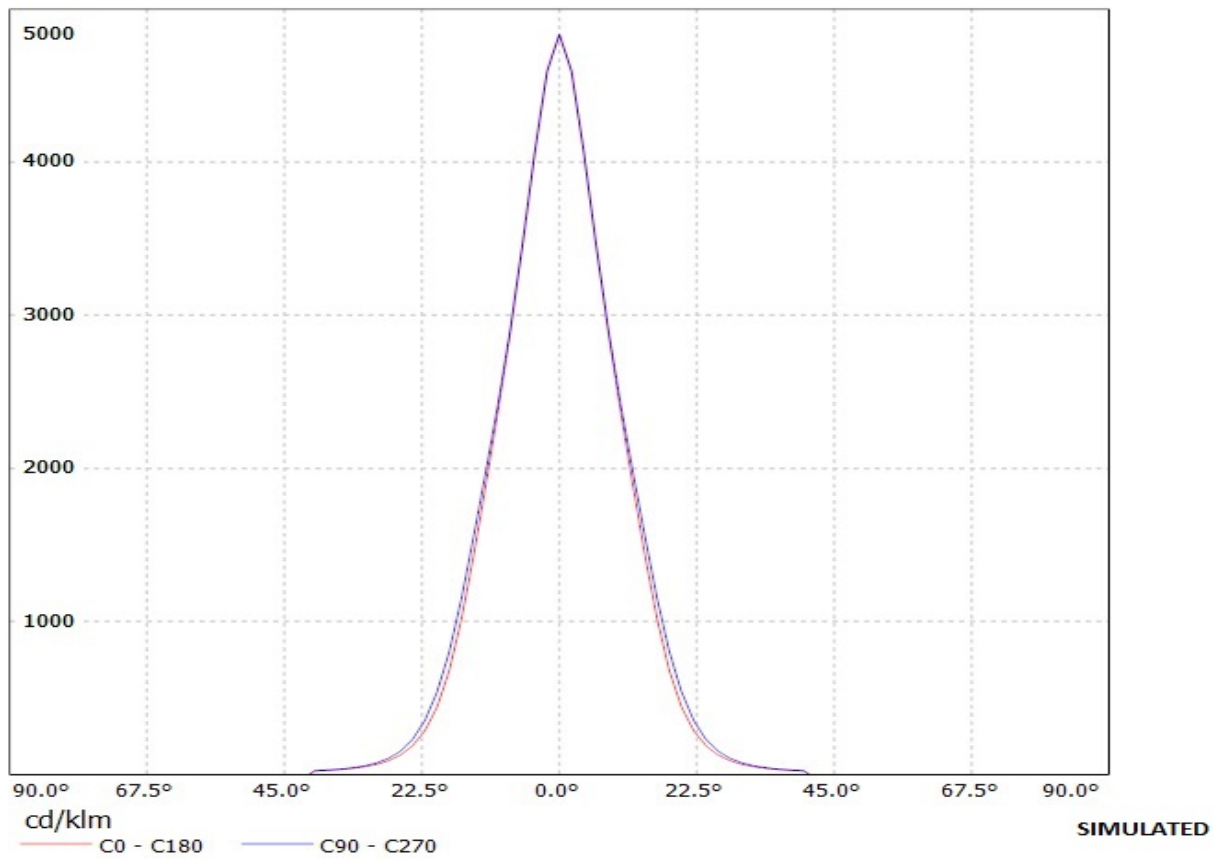
Ledil Oy FA10663_LXP-D FA10663_LXP-D / LDC (Linear)

Luminaire: Ledil Oy FA10663_LXP-D FA10663_LXP-D
Lamps: 1 x Cree XP-E (white)

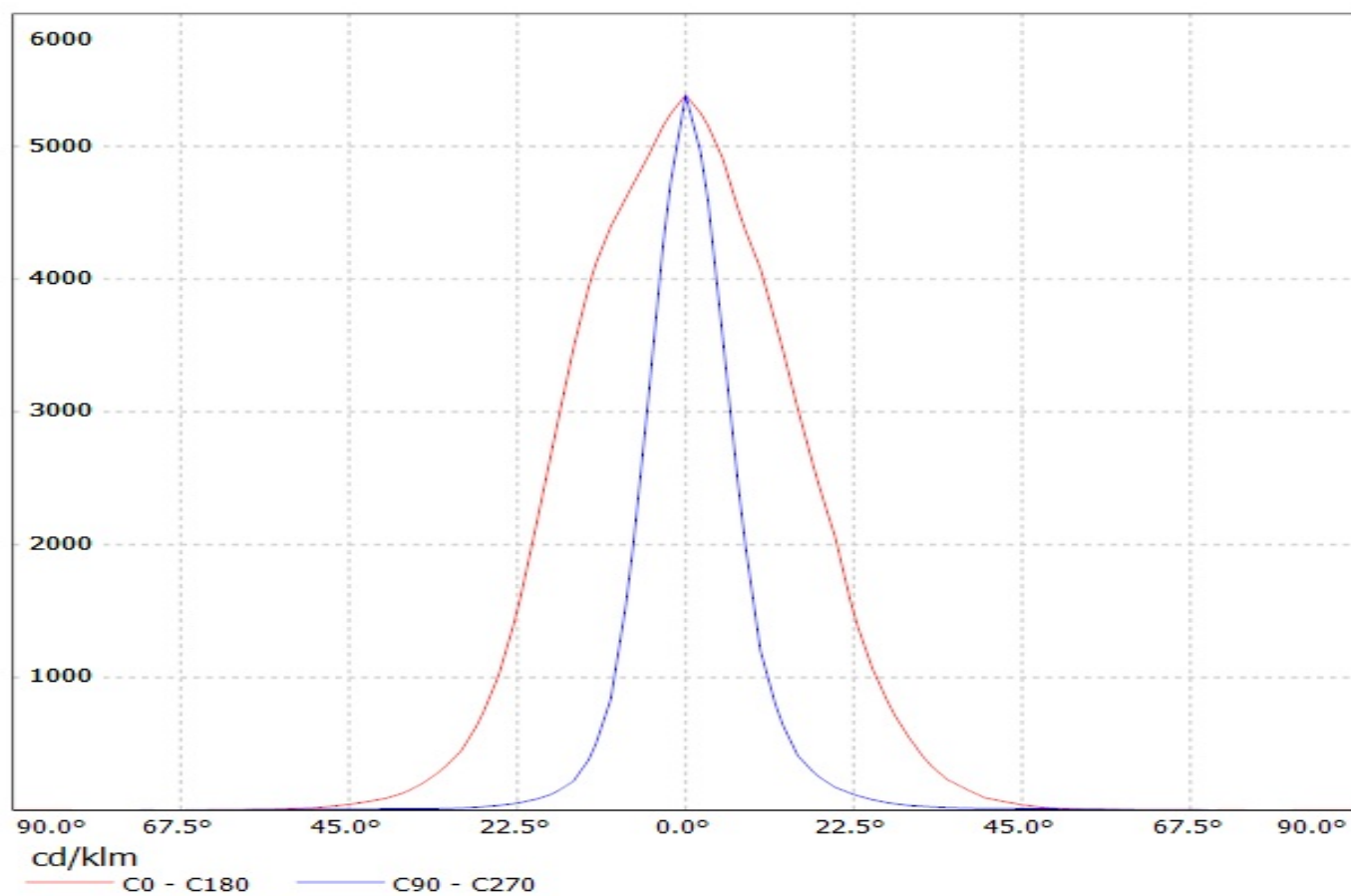


Ledil Oy FA10660_LXP-M FA10660_LXP-M / LDC (Linear)

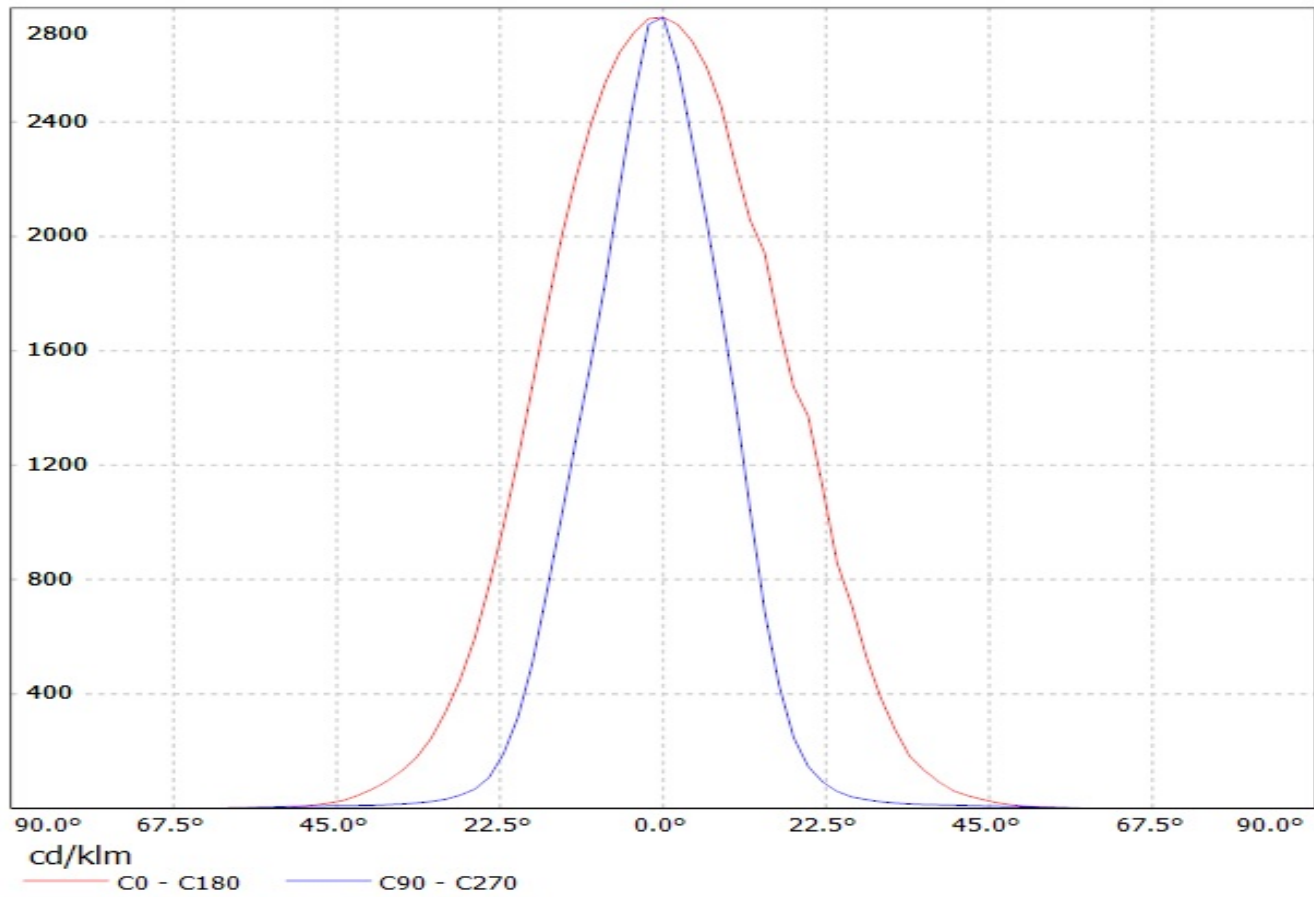
Luminaire: Ledil Oy FA10660_LXP-M FA10660_LXP-M
Lamps: 1 x Cree XP-E (White)



Luminaire: Ledil Oy FA12218_LXP-O (Cree XP-E 76lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XP-E 76lm @ 250mA

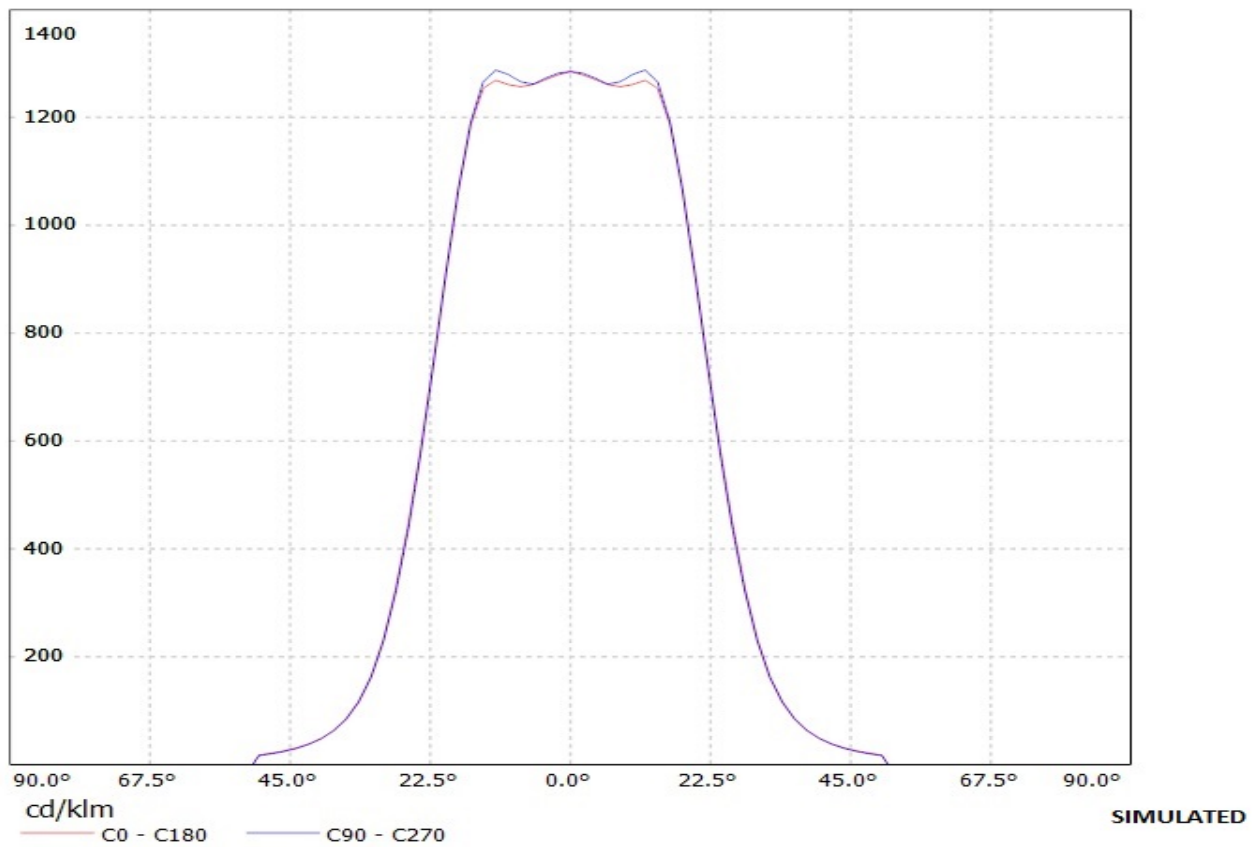


Luminaire: Ledil Oy FA10662_LXP-REC_(XP-E) Efficiency=82%
Lamps: 1 x FA10662_LXP-REC_(XP-E) 50.36lm @ 250mA CCT=2864K P=0.80W I=250mA

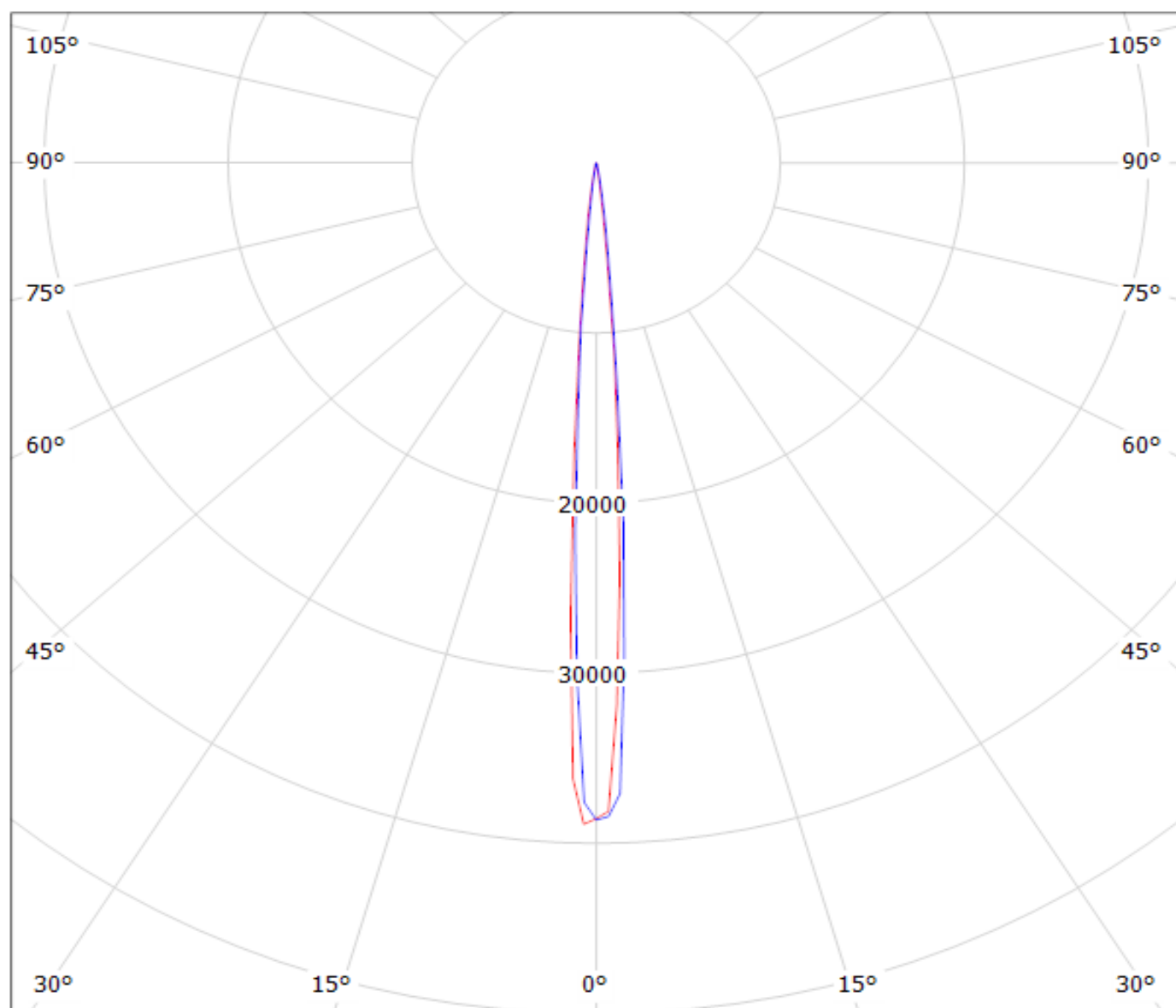


Ledil Oy FA10832_LXP-W FA10832_LXP-W / LDC (Linear)

Luminaire: Ledil Oy FA10832_LXP-W FA10832_LXP-W
Lamps: 1 x Cree XP-E (white)



Luminaire: LEDiL Oy FA10661 _(XP-E) Eff.96.5%
Lamps: 1 x XP-E (50.7382lm@250mA)



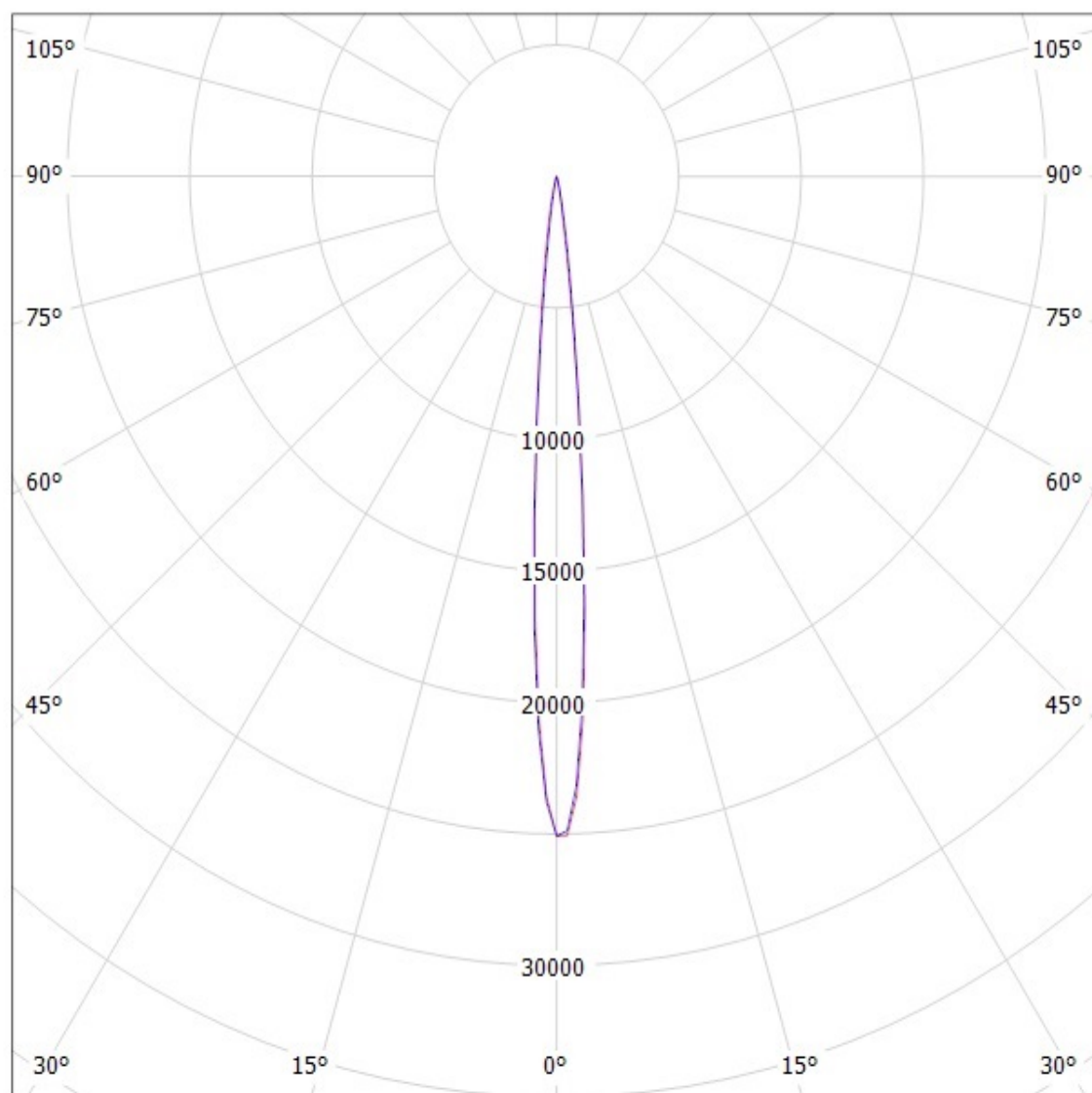
cd/klm

— C0 - C180 — C90 - C270

Ledil Oy FA11739_LXP-RS2 LOR=94% / LDC (Polar)

Luminaire: Ledil Oy FA11739_LXP-RS2 LOR=94%

Lamps: 1 x Cree XP-E 72lm 250mA



cd/klm

— C0 - C180

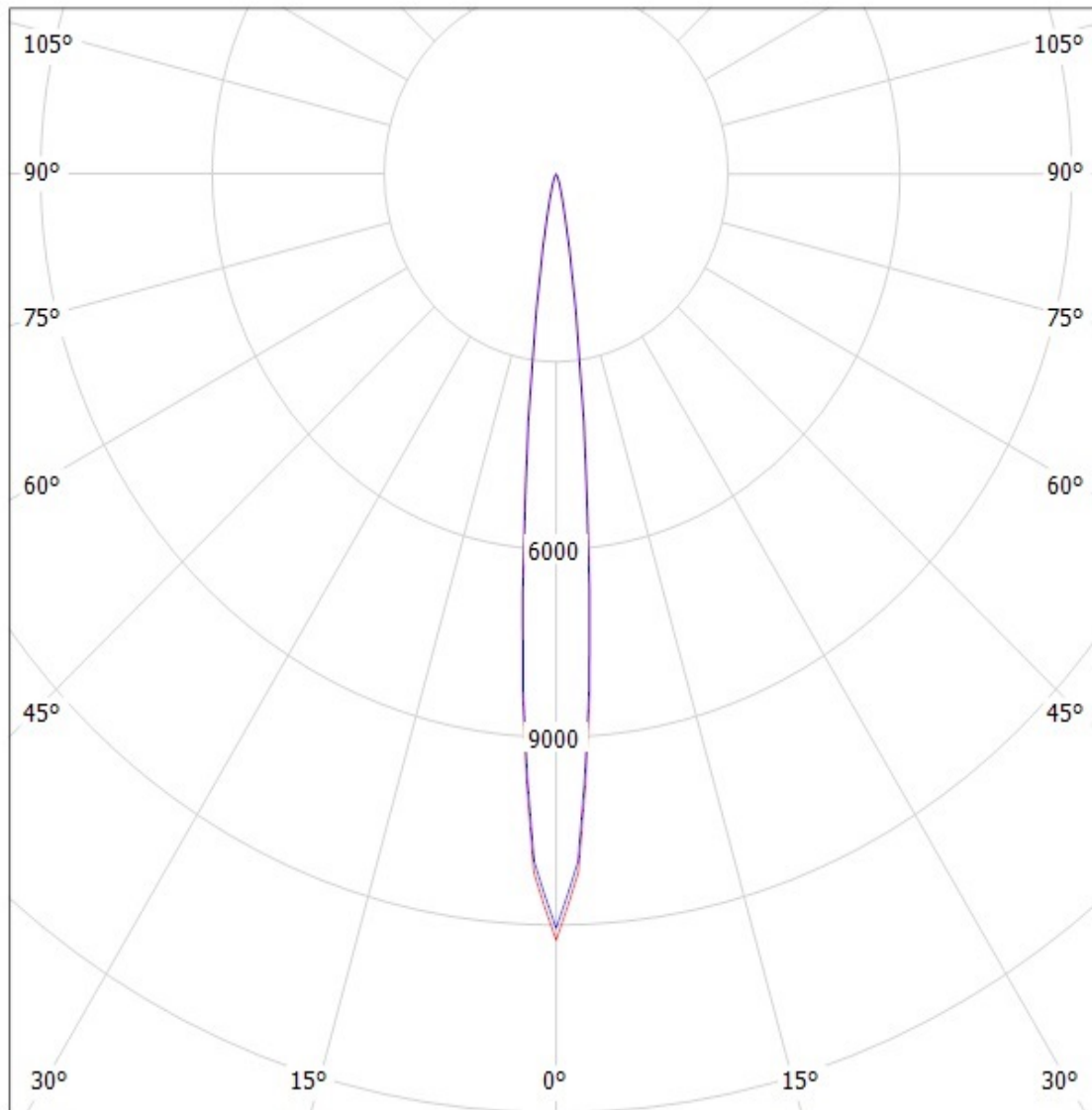
— C90 - C270

SIMULATED

Ledil Oy FA10663_LXP-D FA10663_LXP-D / LDC (Polar)

Luminaire: Ledil Oy FA10663_LXP-D FA10663_LXP-D

Lamps: 1 x Cree XP-E (white)



cd/klm

— C0 - C180

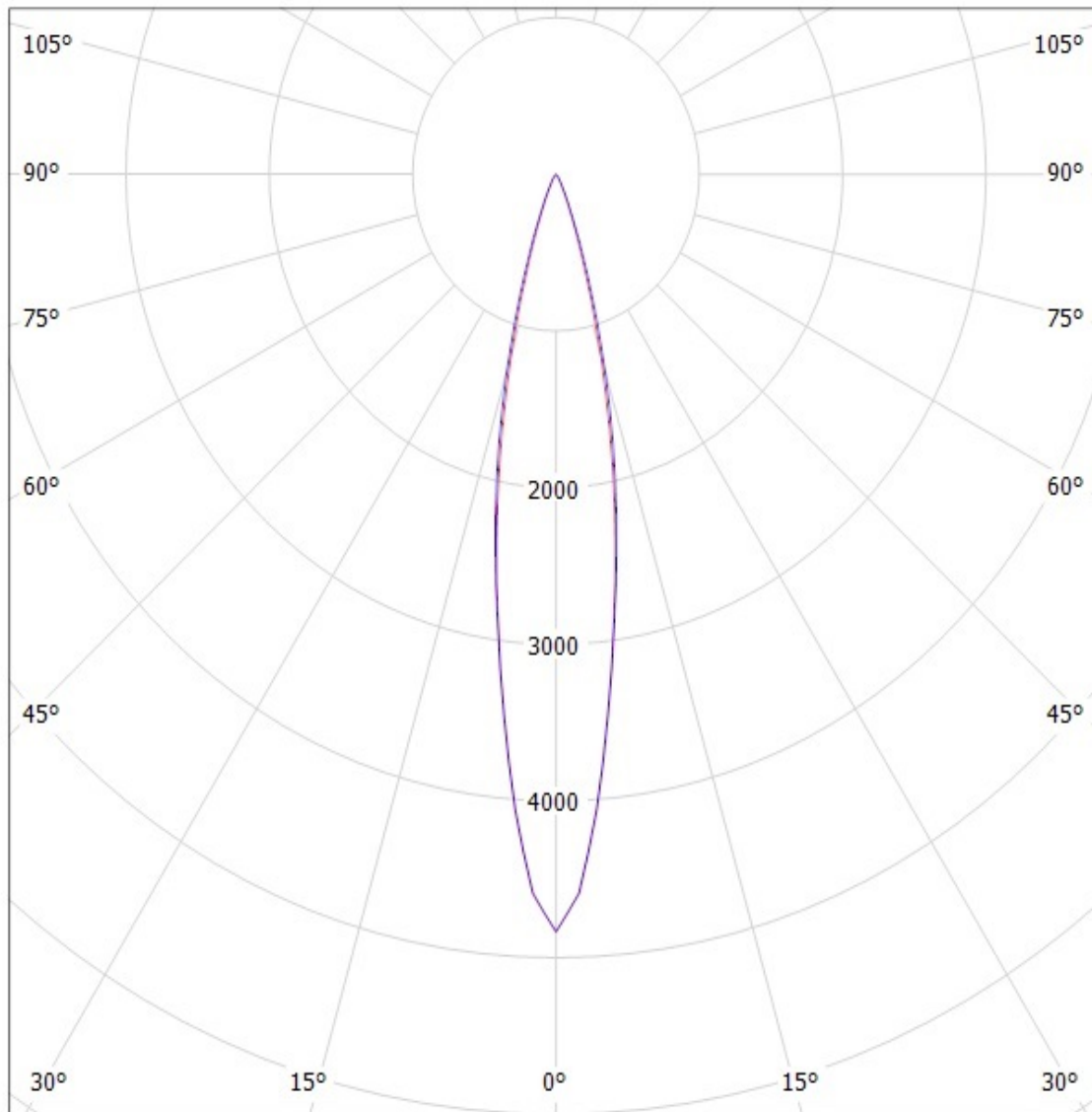
— C90 - C270

SIMULATED

Ledil Oy FA10660_LXP-M FA10660_LXP-M / LDC (Polar)

Luminaire: Ledil Oy FA10660_LXP-M FA10660_LXP-M

Lamps: 1 x Cree XP-E (White)



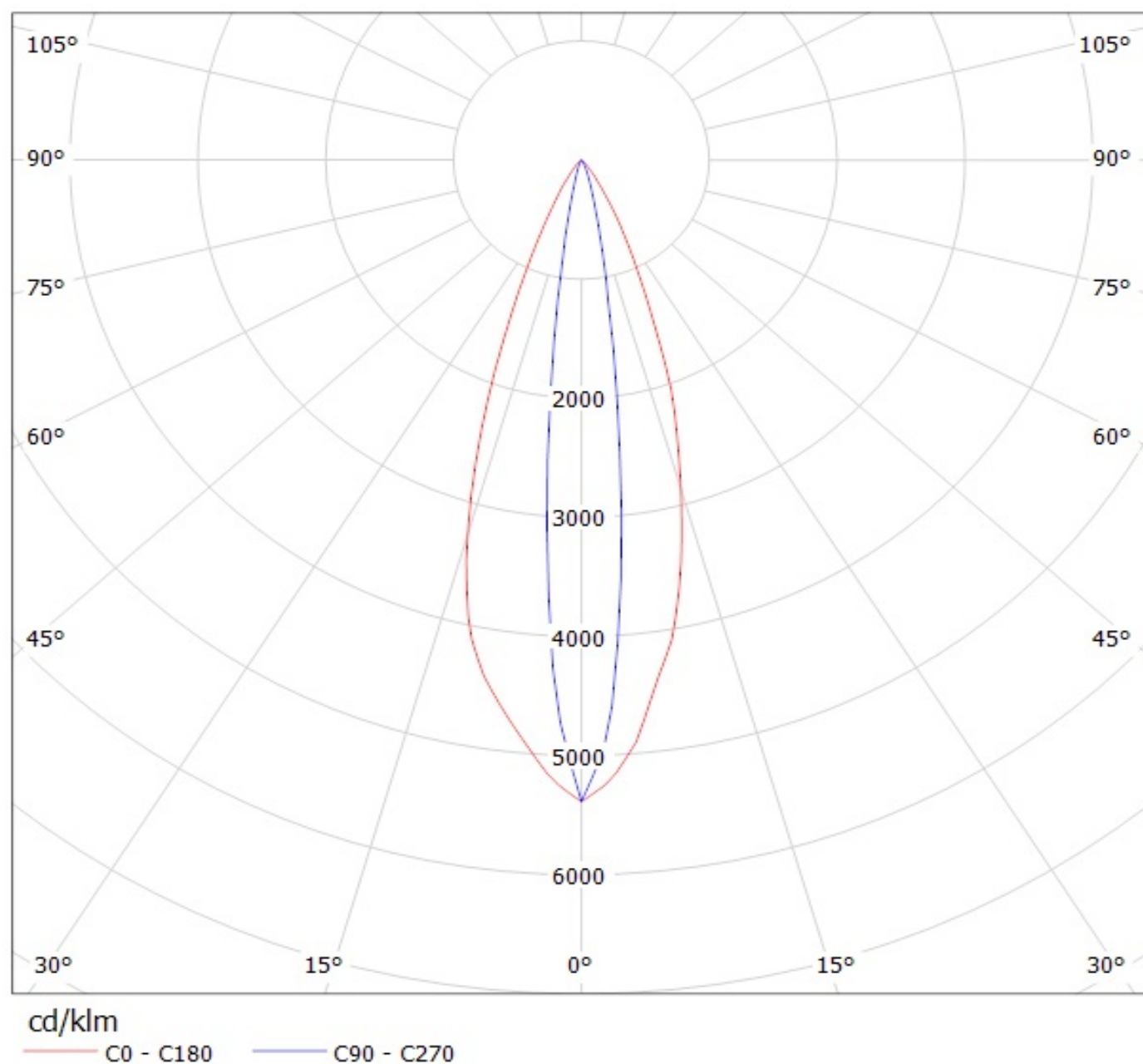
cd/klm

— C0 - C180

— C90 - C270

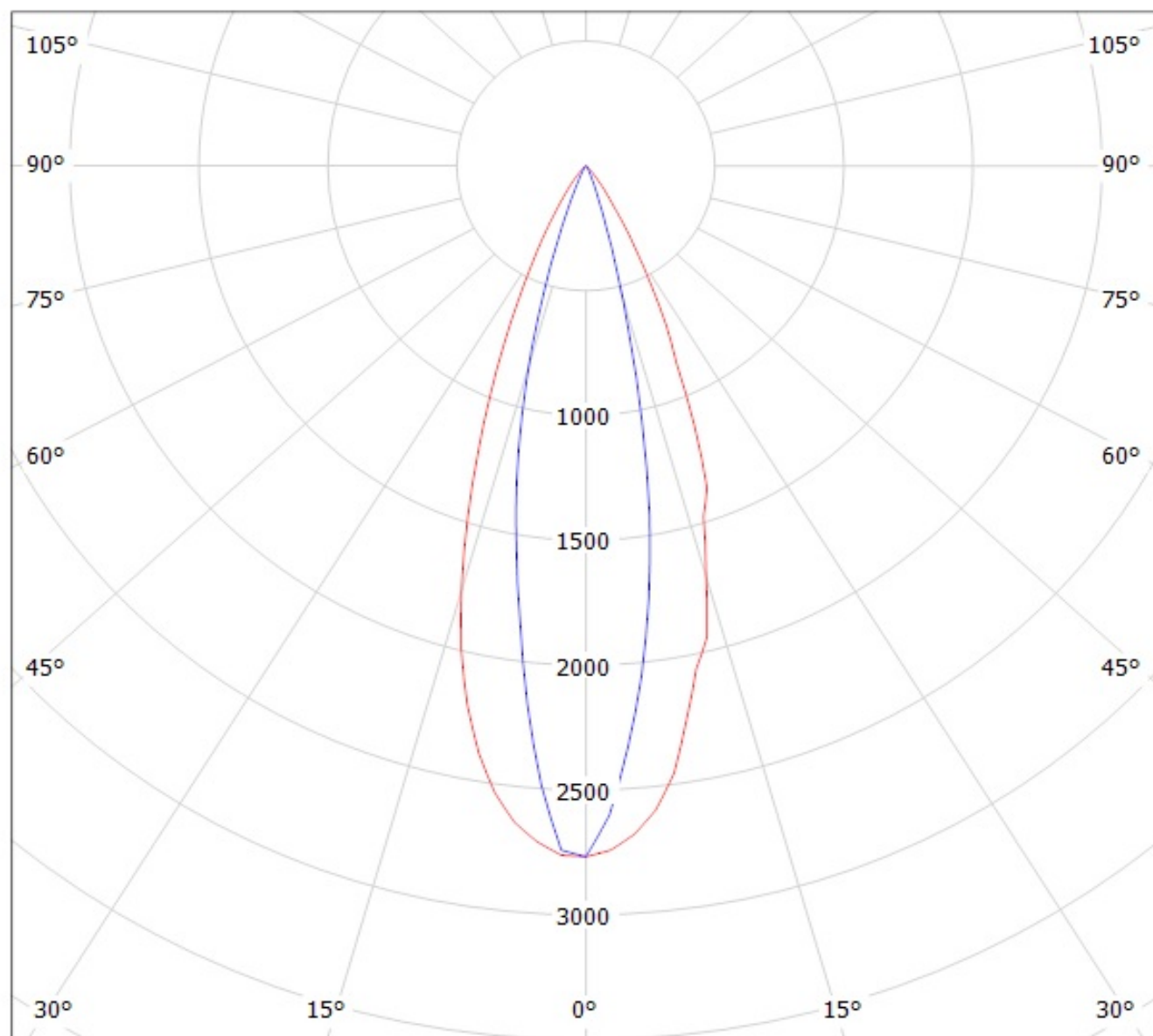
SIMULATED

Luminaire: Ledil Oy FA12218_LXP-O (Cree XP-E 76lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XP-E 76lm @ 250mA



Luminaire: Ledil Oy FA10662_LXP-REC_(XP-E) Efficiency=82%

Lamps: 1 x FA10662_LXP-REC_(XP-E) 50.36lm @ 250mA CCT=2864K P=0.80W I=250mA



cd/klm

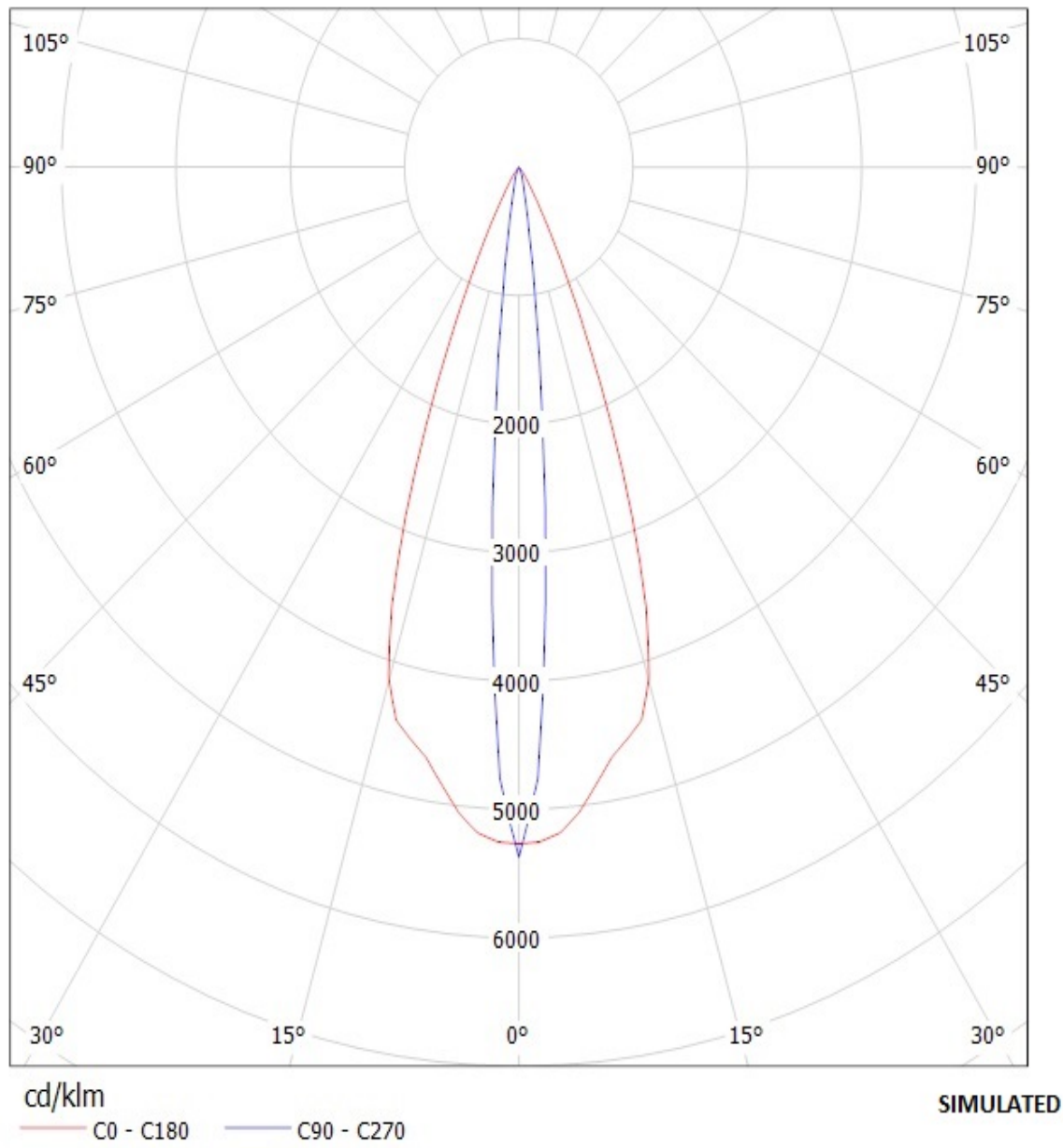
— C0 - C180

— C90 - C270

Ledil Oy FA11116_LXP-O-90 FA11116_LXP-O-90 Cree XP-E LOR=89% / LDC (Polar)

Luminaire: Ledil Oy FA11116_LXP-O-90 FA11116_LXP-O-90 Cree XP-E LOR=89%

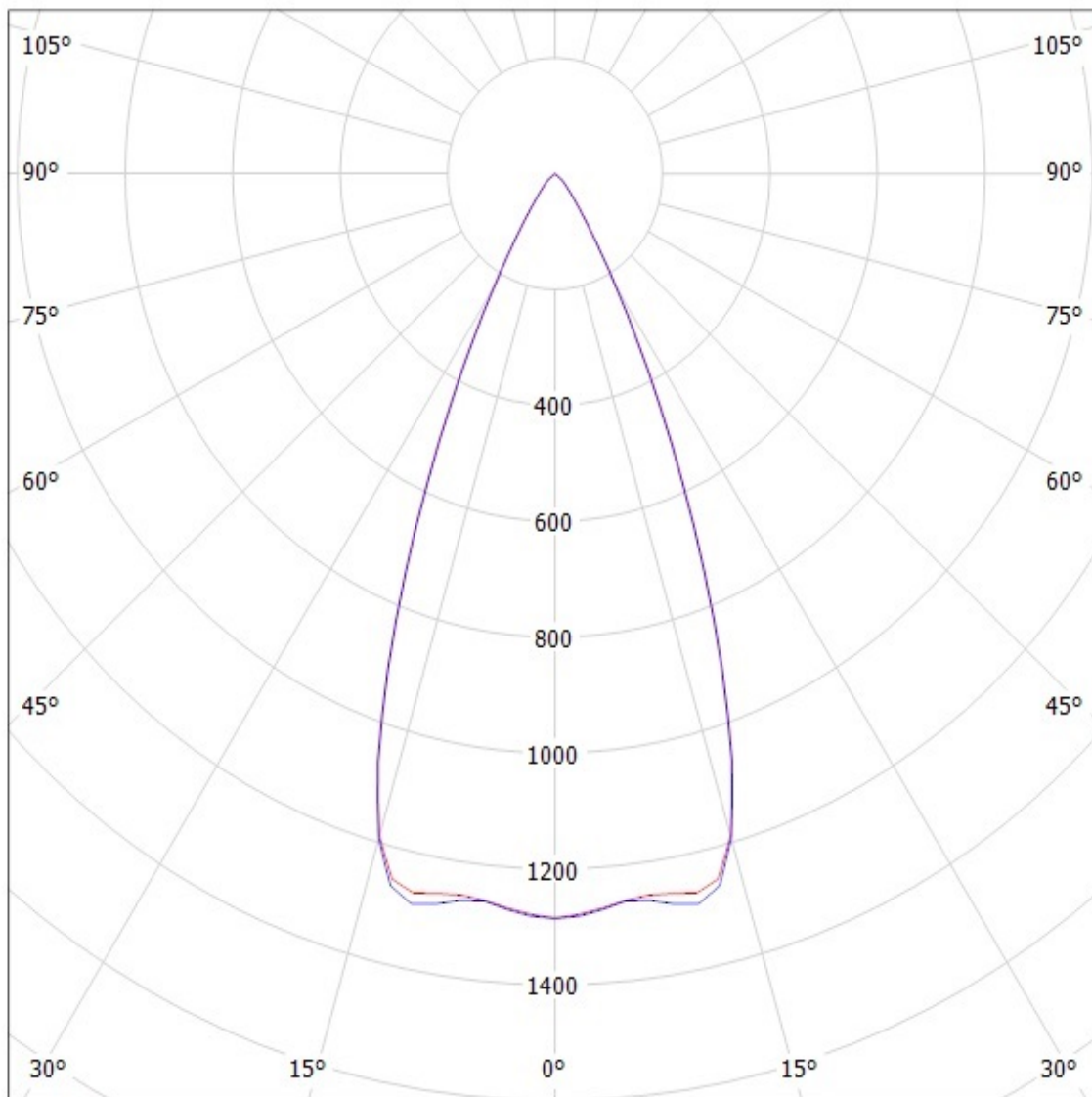
Lamps: 1 x Cree XP-E



Ledil Oy FA10832_LXP-W FA10832_LXP-W / LDC (Polar)

Luminaire: Ledil Oy FA10832_LXP-W FA10832_LXP-W

Lamps: 1 x Cree XP-E (white)



cd/klm

— C0 - C180

— C90 - C270

SIMULATED