

**Product number FA10678_CMC-SS**

Family	Rose	FWHM	20 degrees
Type	Assembly	Efficiency	-
LED	MC-E	cd/Im	5.760
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10679_CMC-RS**

Family	Rose	FWHM	20 degrees
Type	Assembly	Efficiency	90 %
LED	MC-E	cd/Im	6.460
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10677_CMC-D**

Family	Rose	FWHM	22 degrees
Type	Assembly	Efficiency	90 %
LED	MC-E	cd/Im	4.680
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10676_CMC-M**

Family	Rose	FWHM	30 degrees
Type	Assembly	Efficiency	85 %
LED	MC-E	cd/Im	2.460
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10714_CMC-W**

Family	Rose	FWHM	35 degrees
Type	Assembly	Efficiency	83 %
LED	MC-E	cd/Im	1.560
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA11155_CMC-O-90**

Family	Rose	FWHM	42+20 degrees
Type	Assembly	Efficiency	-
LED	MC-E	cd/Im	(simulated) 0.000
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10680_CMC-O**

Family	Rose	FWHM	43+20 degrees
Type	Assembly	Efficiency	84 %
LED	MC-E	cd/Im	2.500
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
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

Rose series

last update 26/6/2013



GENERAL INFORMATION

- Product series especially designed & optimized for MC-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.

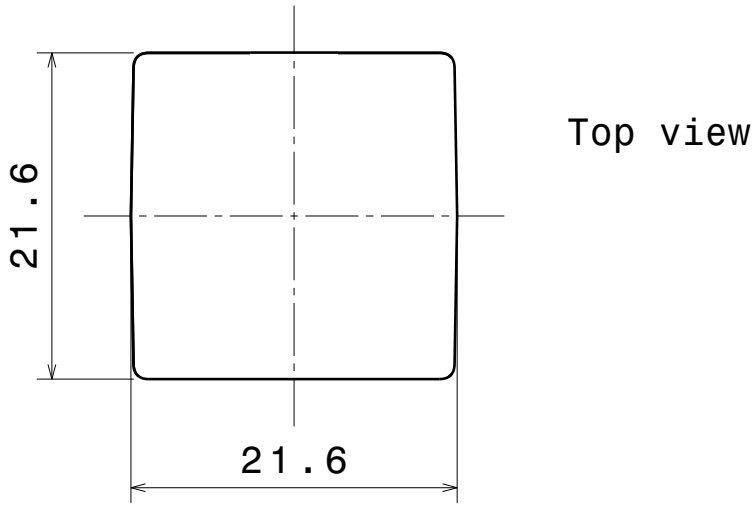
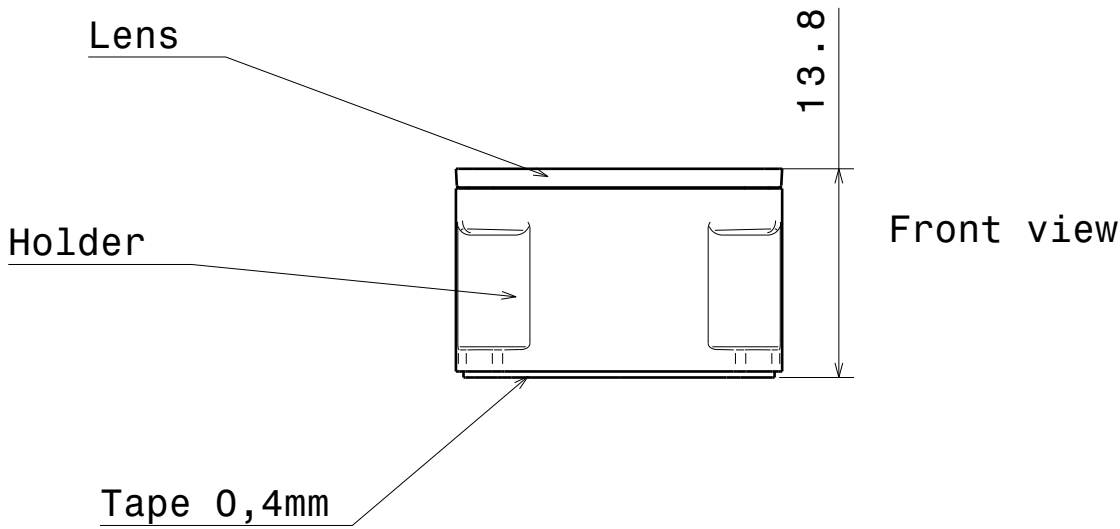
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MATERIALS
Lens: PMMA
Holder: PC, black
tape: PU Foam with PSA adhesive, Black

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DRAWING TITLE

Datasheet Rose CMC-series assy

DRAWN BY
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DATE
21.11.2008

CHECKED BY
t k

DATE
08.10.2008

SIZE
A4

DRAWING NUMBER

REV
1

DESIGNED BY
hh

DATE
08.09.2008

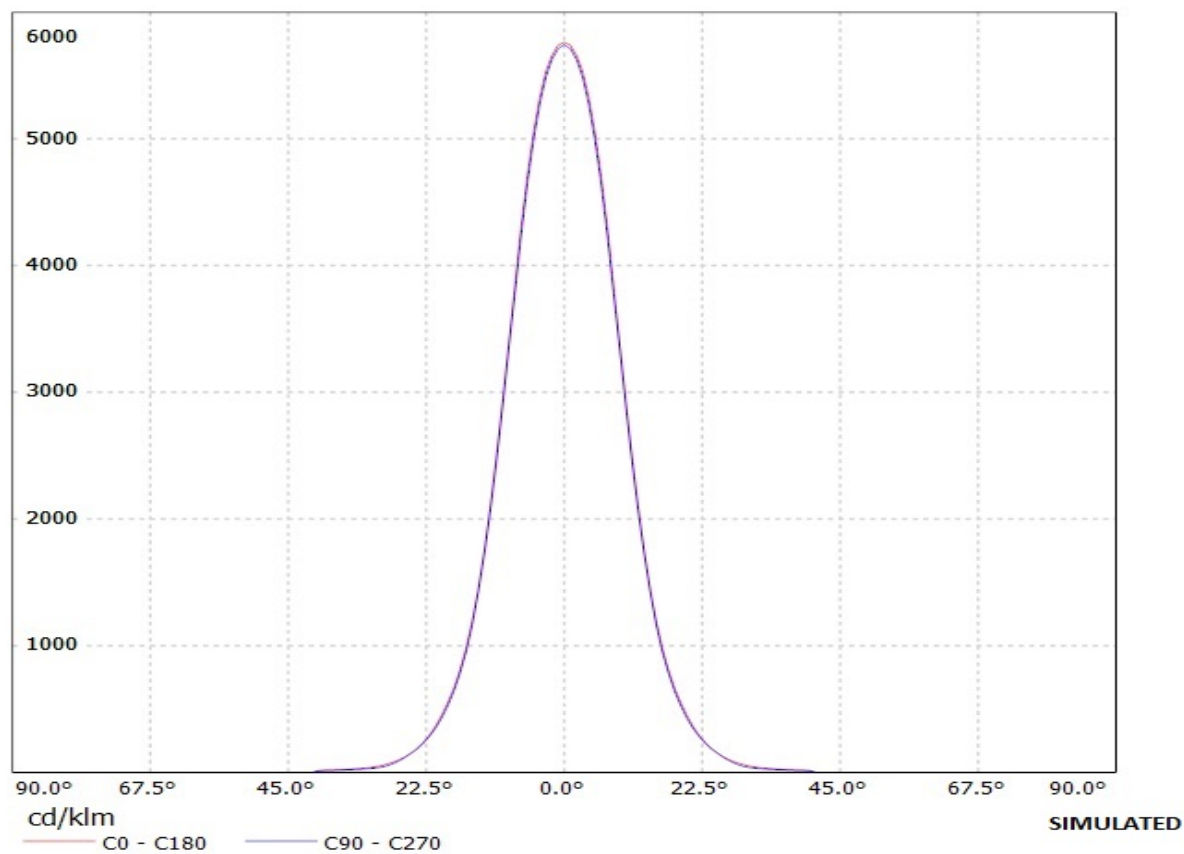
SCALE 2:1 WEIGHT (g) - SHEET 1/1

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Ledil Oy FA10678_CMC-SS FA10678_CMC-SS / LDC (Linear)

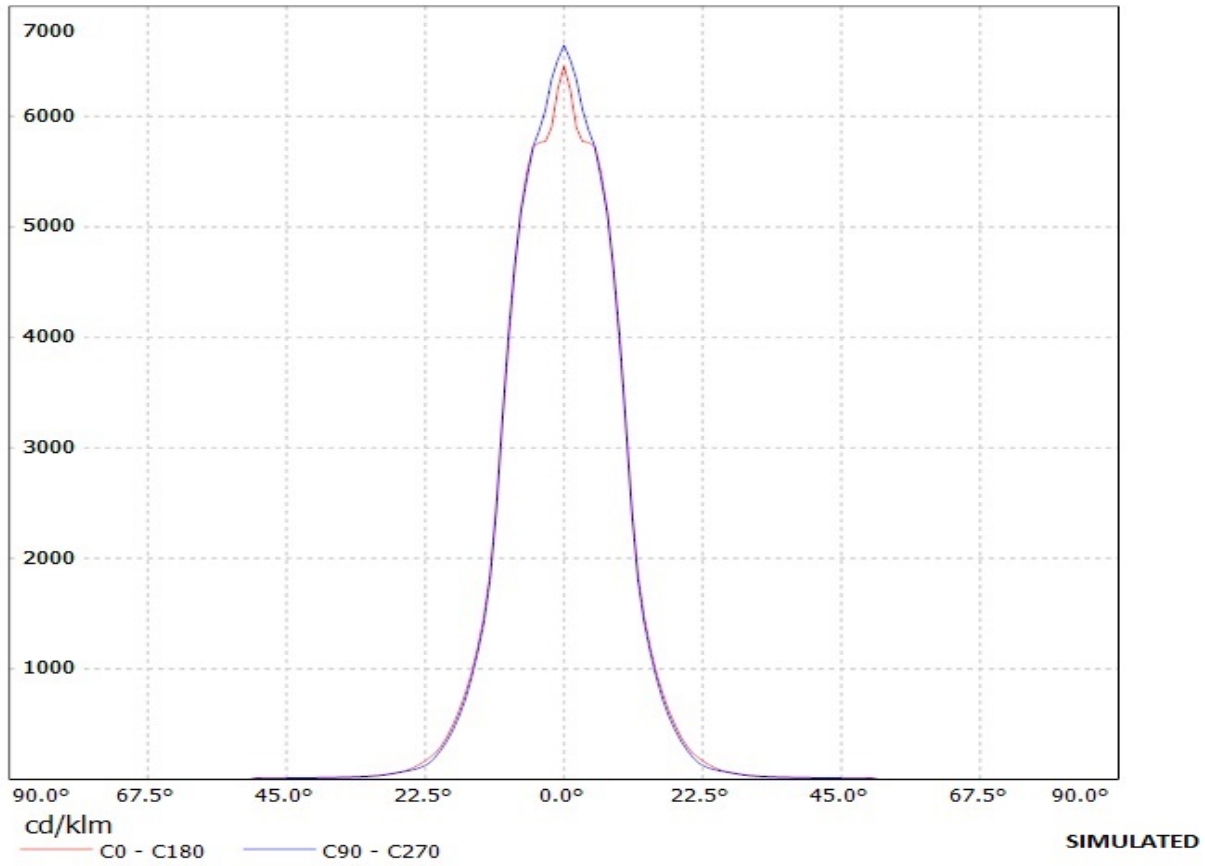
Luminaire: Ledil Oy FA10678_CMC-SS FA10678_CMC-SS

Lamps: 1 x CREE MC-E (white)



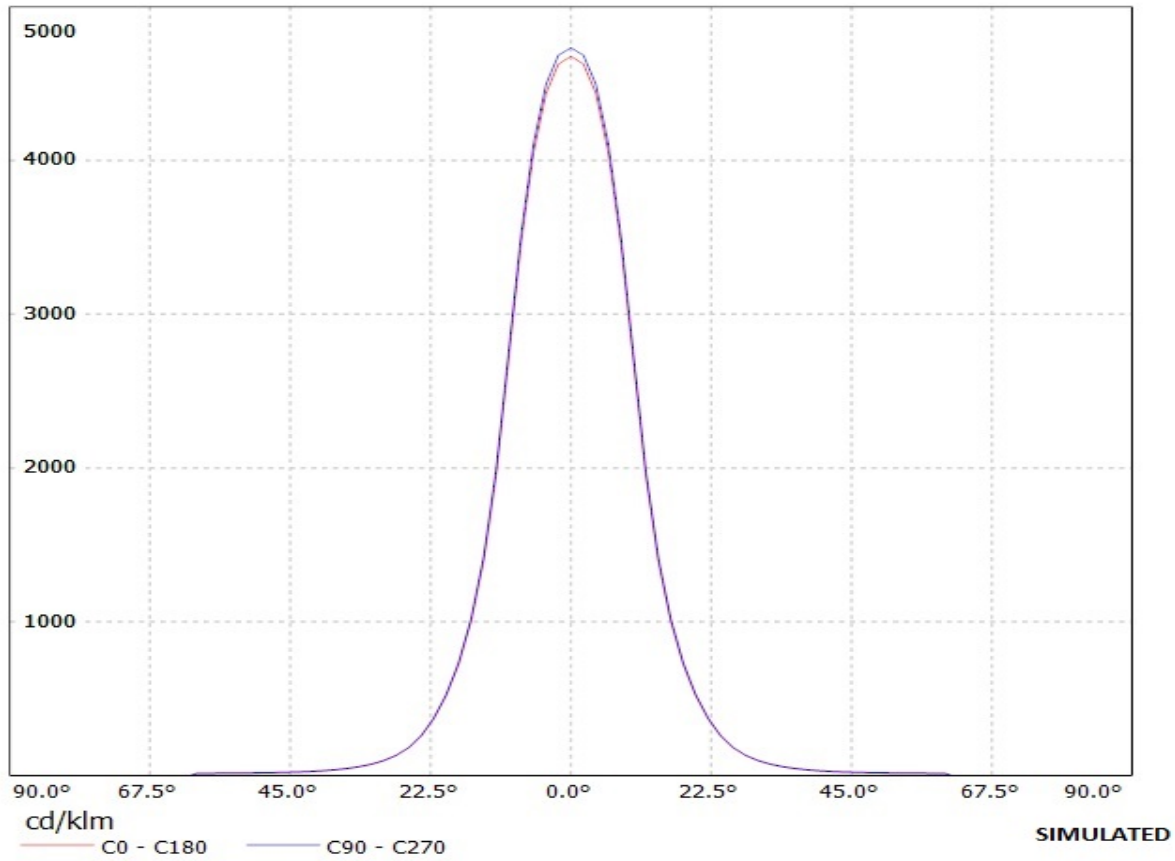
Ledil Oy FA10679_CMC-RS FA10679_CMC-RS / LDC (Linear)

Luminaire: Ledil Oy FA10679_CMC-RS FA10679_CMC-RS
Lamps: 1 x CREE MC-E (white)



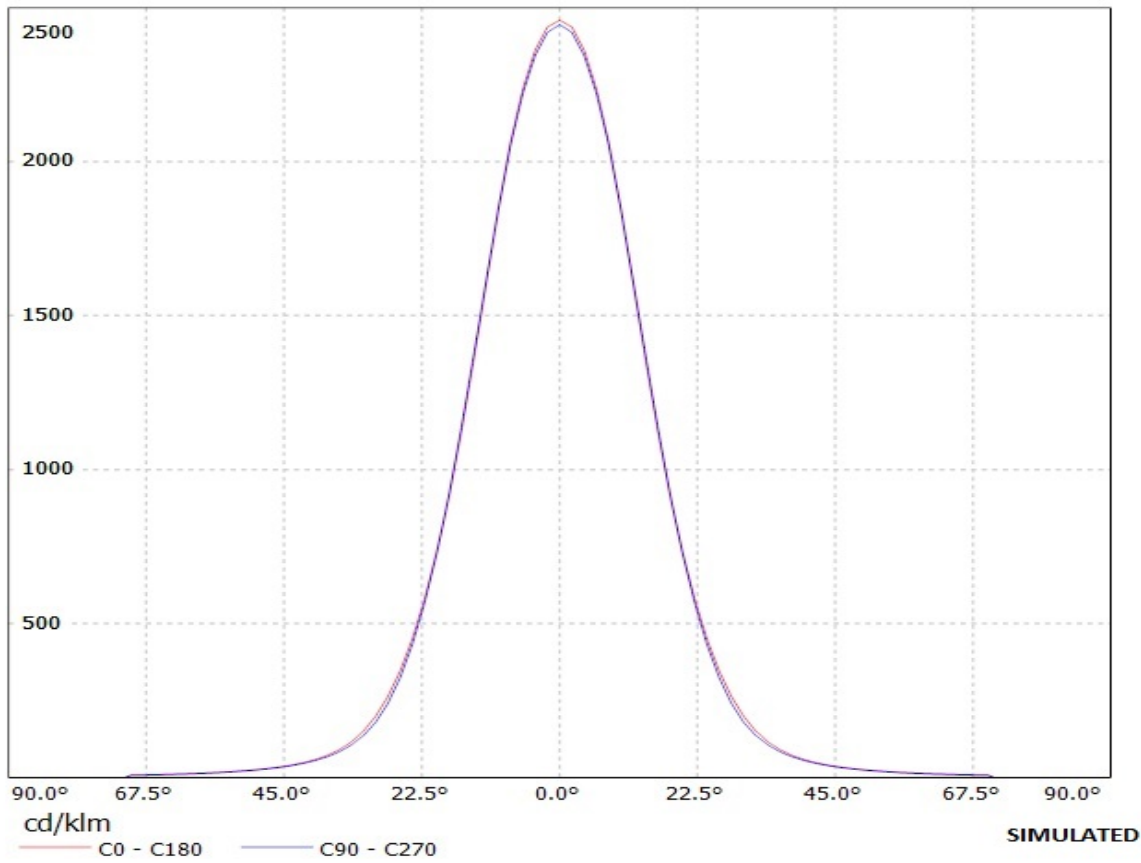
Ledil Oy FA10677_CMC-D FA10677_CMC-D / LDC (Linear)

Luminaire: Ledil Oy FA10677_CMC-D FA10677_CMC-D
Lamps: 1 x CREE MC-E (white)



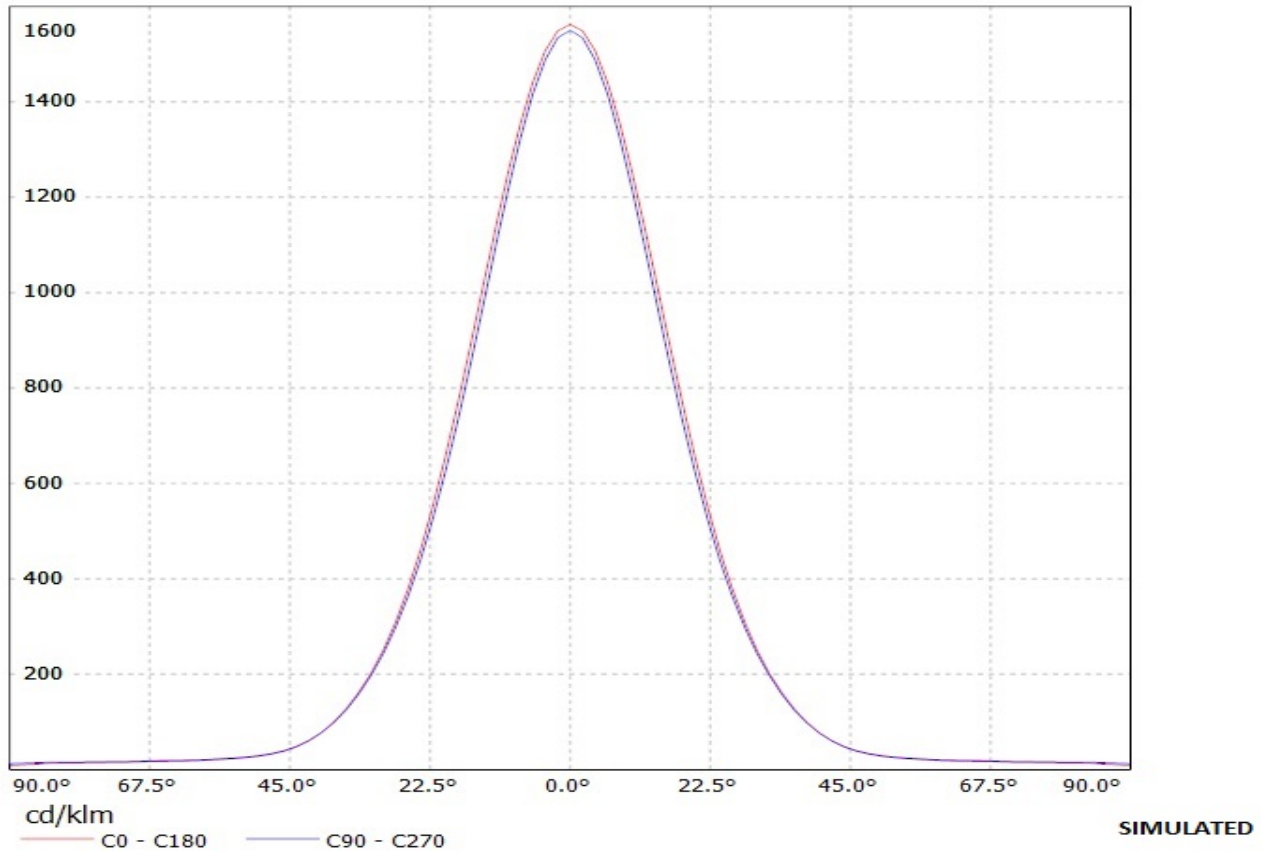
Ledil Oy FA10676_CMC-M FA10676_CMC-M / LDC (Linear)

Luminaire: Ledil Oy FA10676_CMC-M FA10676_CMC-M
Lamps: 1 x CREE MC-E (white)



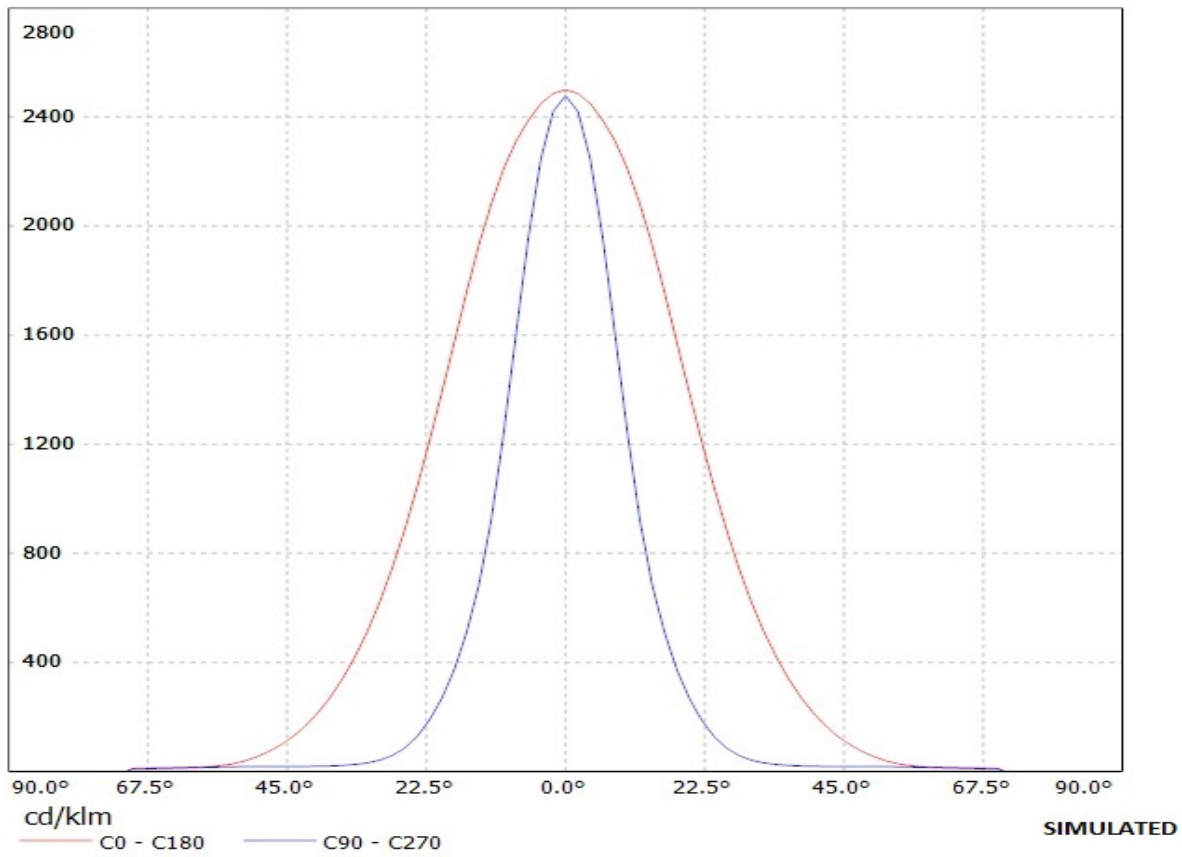
Ledil Oy FA10714_CMC-W FA10714_CMC-W / LDC (Linear)

Luminaire: Ledil Oy FA10714_CMC-W FA10714_CMC-W
Lamps: 1 x CREE MC-E (white)



Ledil Oy FA10680_CMC-O FA10680_CMC-O / LDC (Linear)

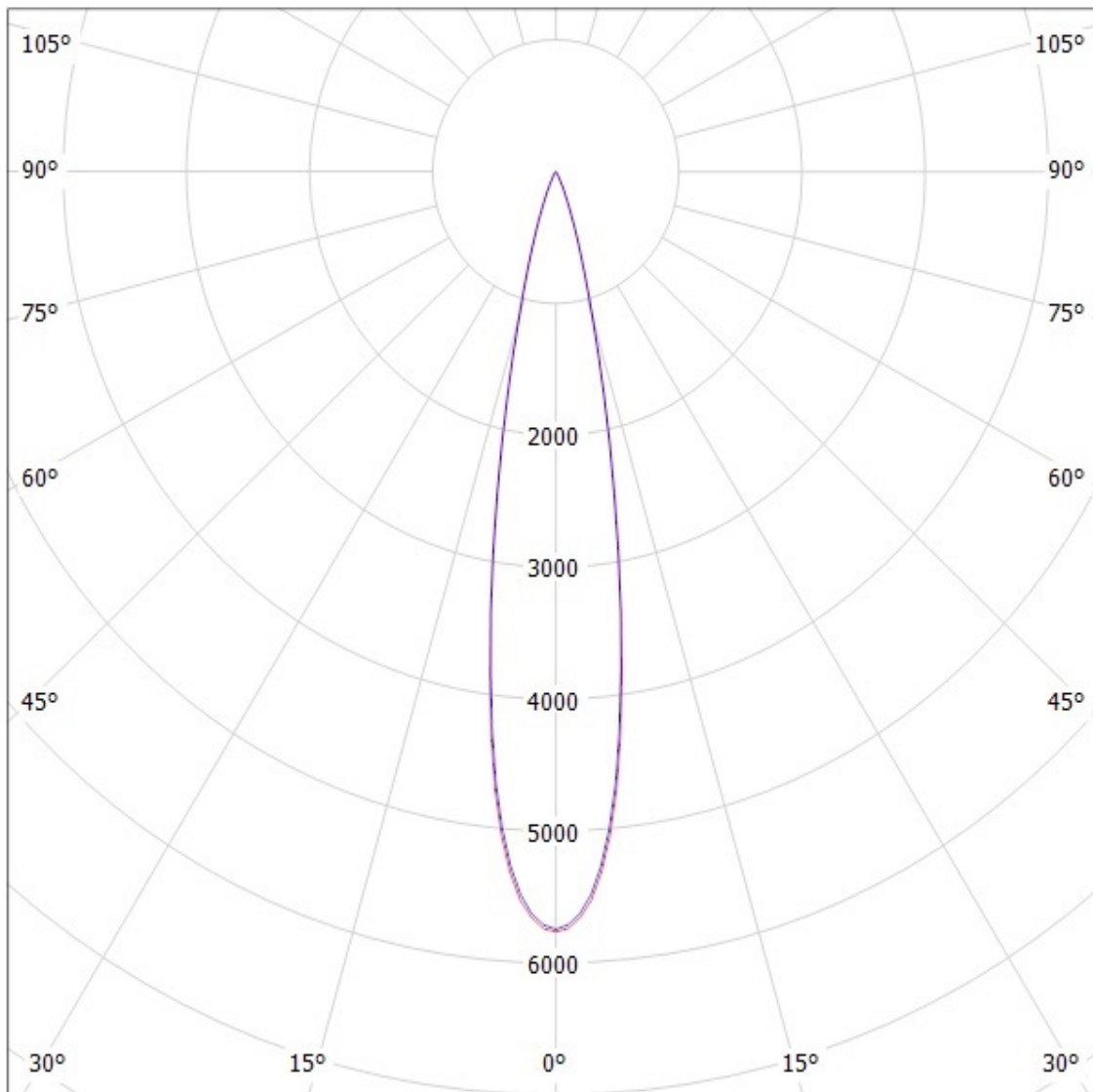
Luminaire: Ledil Oy FA10680_CMC-O FA10680_CMC-O
Lamps: 1 x CREE MC-E (white)



Ledil Oy FA10678_CMC-SS FA10678_CMC-SS / LDC (Polar)

Luminaire: Ledil Oy FA10678_CMC-SS FA10678_CMC-SS

Lamps: 1 x CREE MC-E (white)



cd/klm

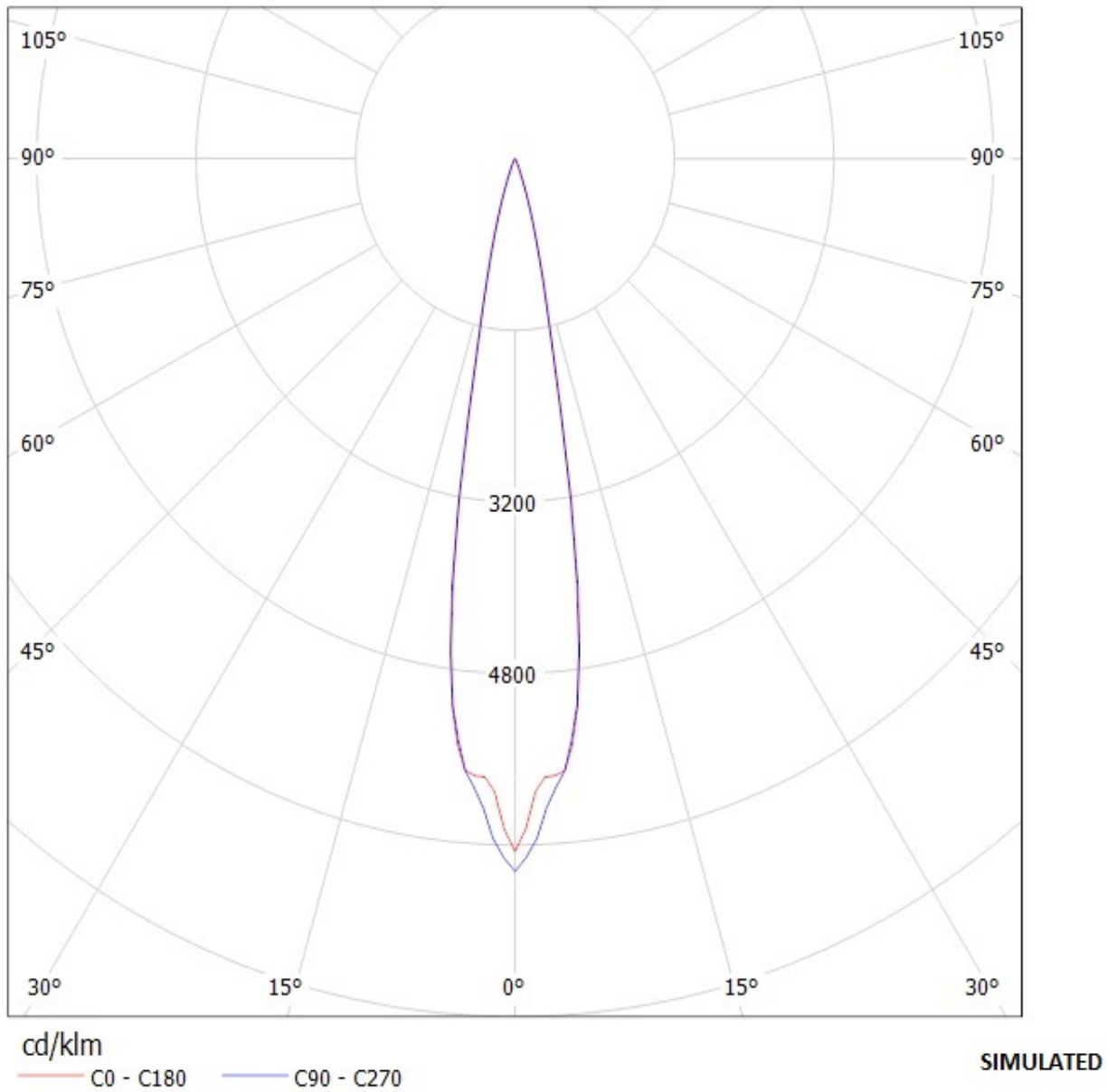
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10679_CMC-RS FA10679_CMC-RS / LDC (Polar)

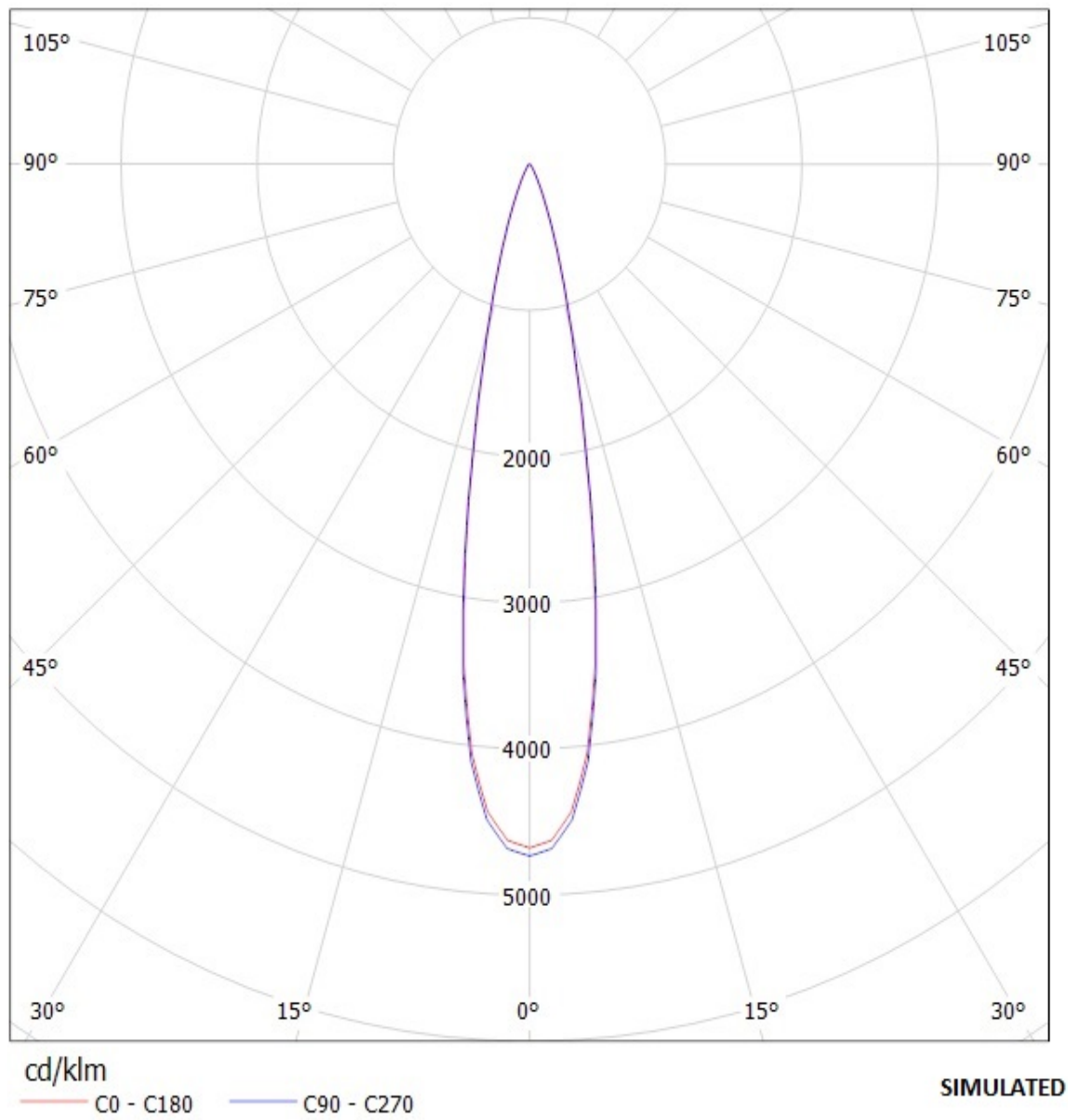
Luminaire: Ledil Oy FA10679_CMC-RS FA10679_CMC-RS

Lamps: 1 x CREE MC-E (white)



Ledil Oy FA10677_CMC-D FA10677_CMC-D / LDC (Polar)

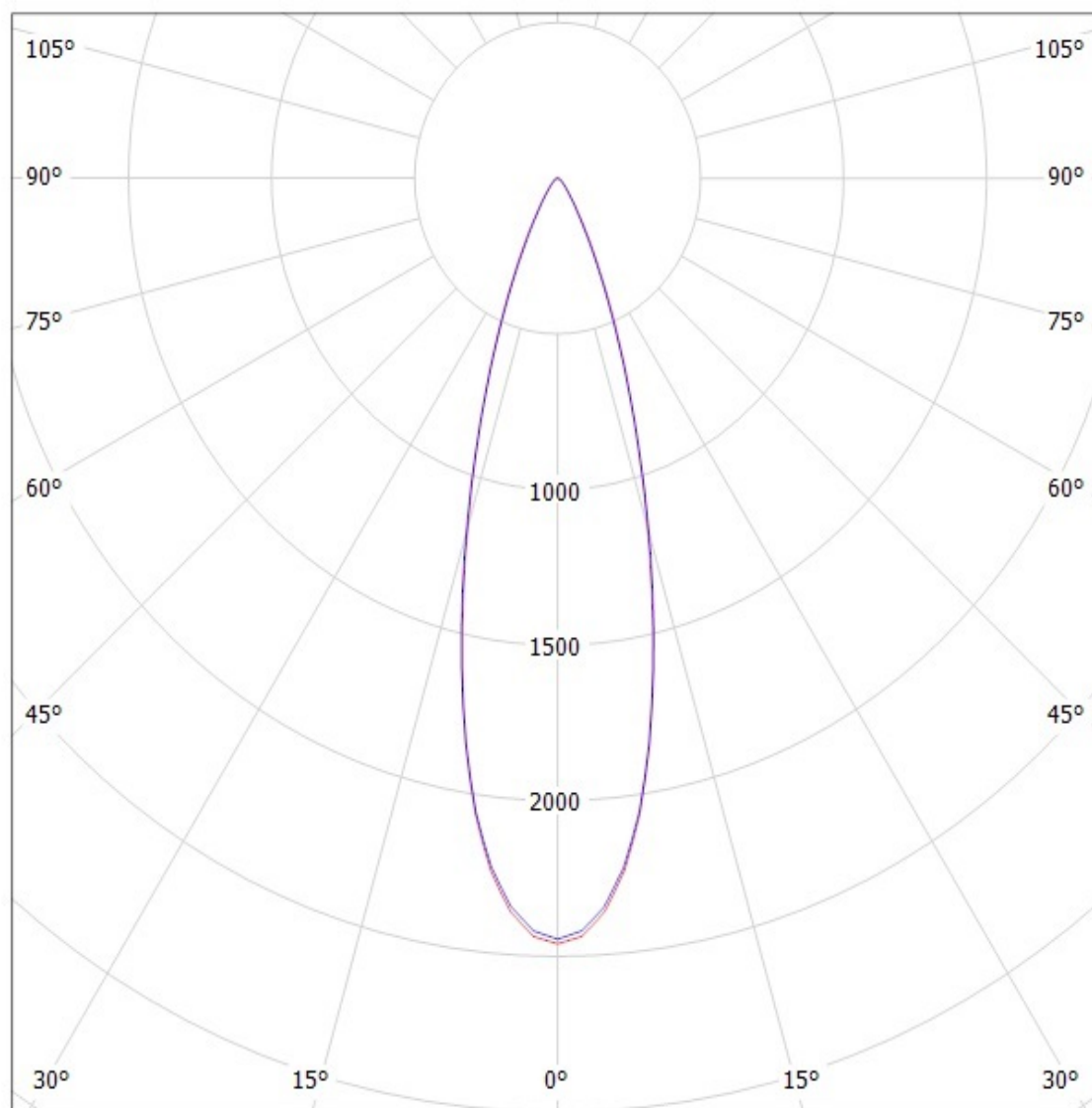
Luminaire: Ledil Oy FA10677_CMC-D FA10677_CMC-D
Lamps: 1 x CREE MC-E (white)



Ledil Oy FA10676_CMC-M FA10676_CMC-M / LDC (Polar)

Luminaire: Ledil Oy FA10676_CMC-M FA10676_CMC-M

Lamps: 1 x CREE MC-E (white)



cd/klm

— C0 - C180

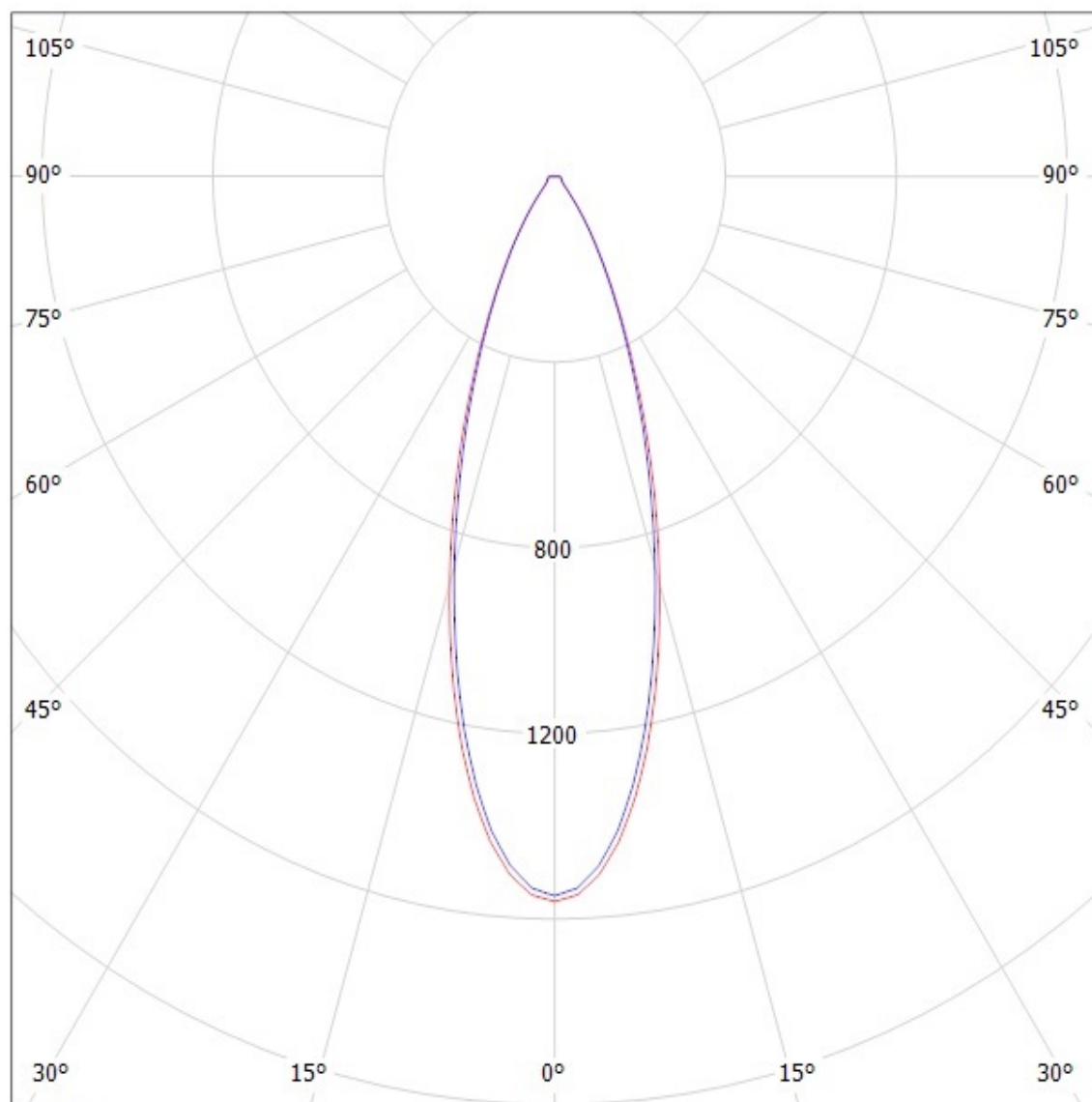
— C90 - C270

SIMULATED

Ledil Oy FA10714_CMC-W FA10714_CMC-W / LDC (Polar)

Luminaire: Ledil Oy FA10714_CMC-W FA10714_CMC-W

Lamps: 1 x CREE MC-E (white)



cd/klm

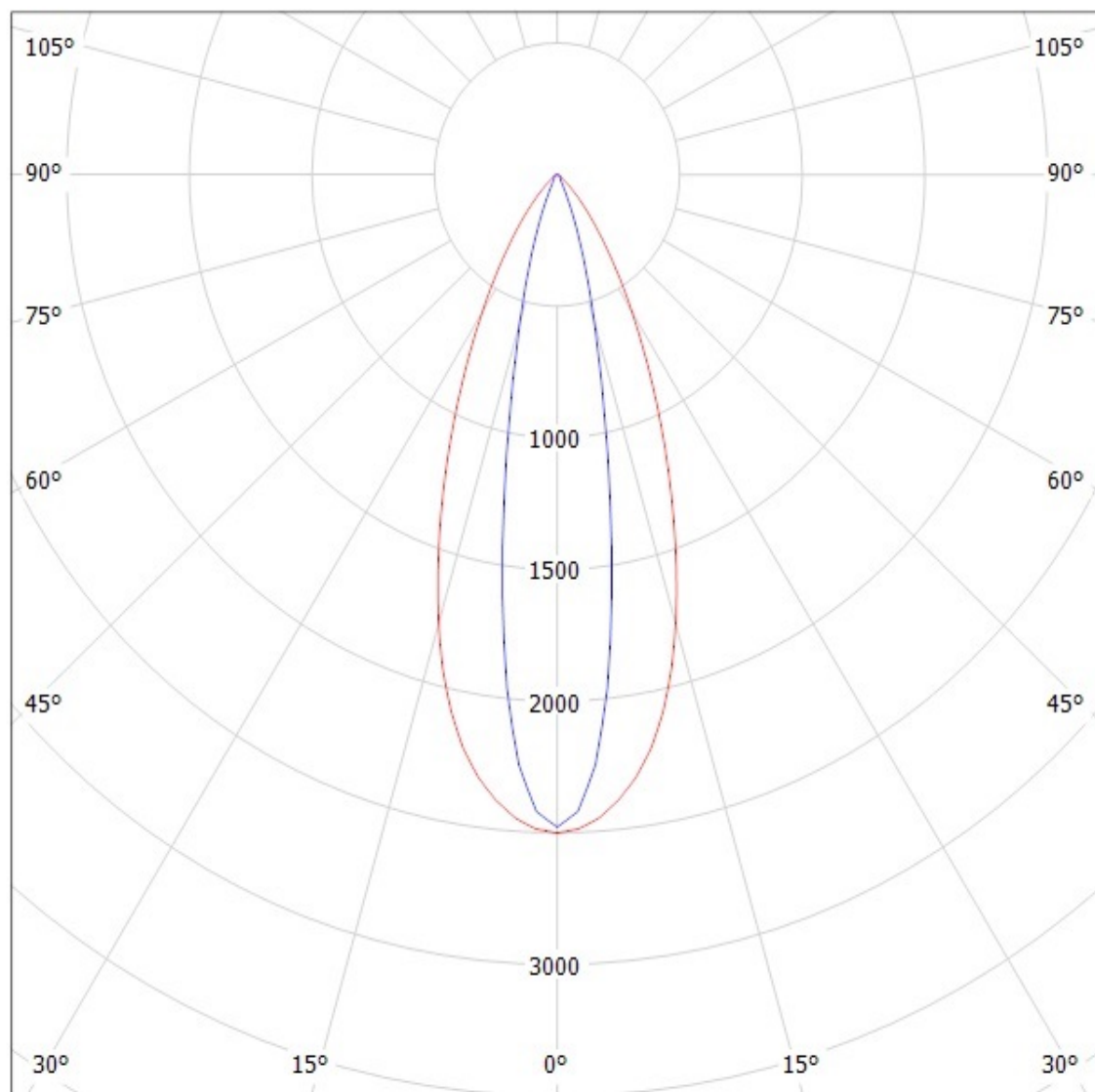
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10680_CMC-O FA10680_CMC-O / LDC (Polar)

Luminaire: Ledil Oy FA10680_CMC-O FA10680_CMC-O

Lamps: 1 x CREE MC-E (white)



cd/klm

— C0 - C180

— C90 - C270

SIMULATED