

**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	-		
Fastening	["tape"]		
Status	Production ready		

**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	-		
Fastening	["tape"]		
Status	Production ready		

**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	-		
Fastening	["tape"]		
Status	Production ready		

**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	-		
Fastening	["tape"]		
Status	Production ready		

**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	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11155_CMC-O-90**

Family	Rose	FWHM	42+20 degrees
Type	Assembly	Efficiency	-
LED	MC-E	cd/Im	-
Color	Black	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.8 mm		
Style	Square		
Optic Material	PC		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**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	-		
Fastening	["tape"]		
Status	Production 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 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.

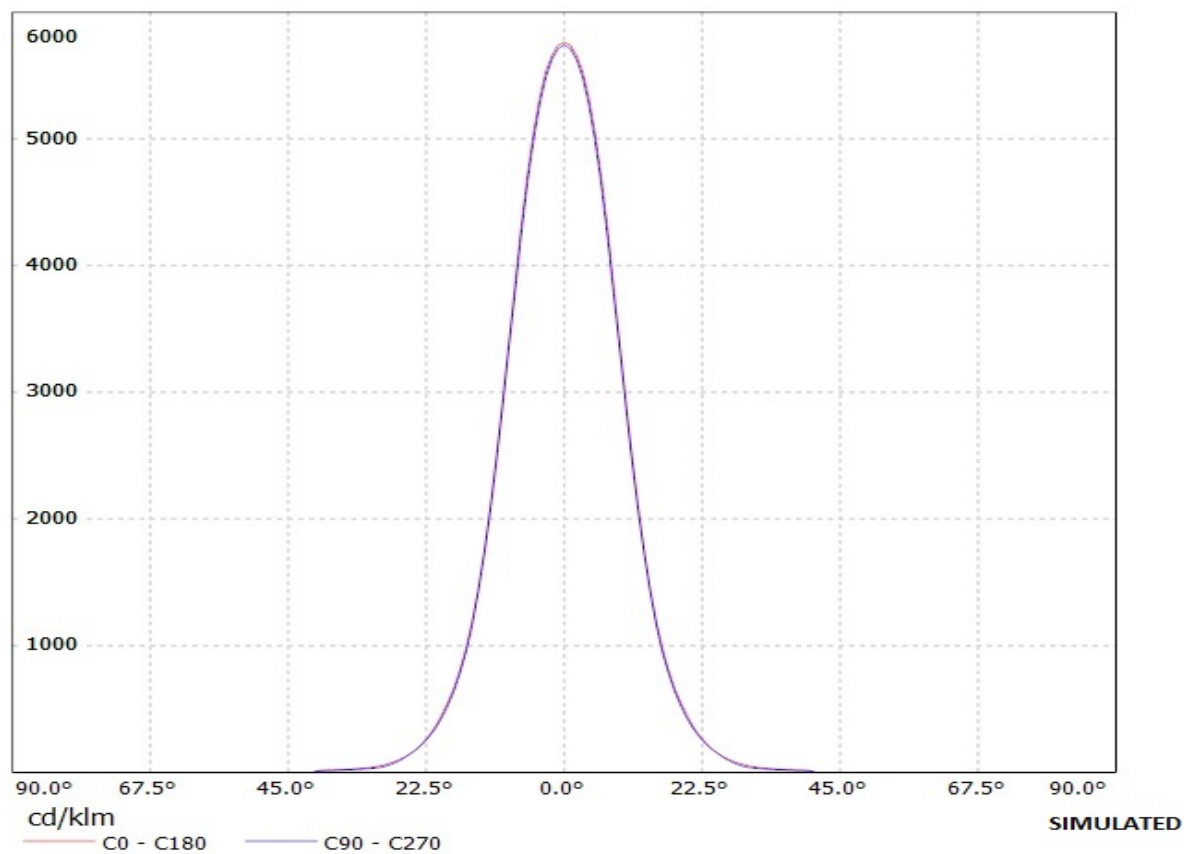
Please find more information about used materials from below:

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

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

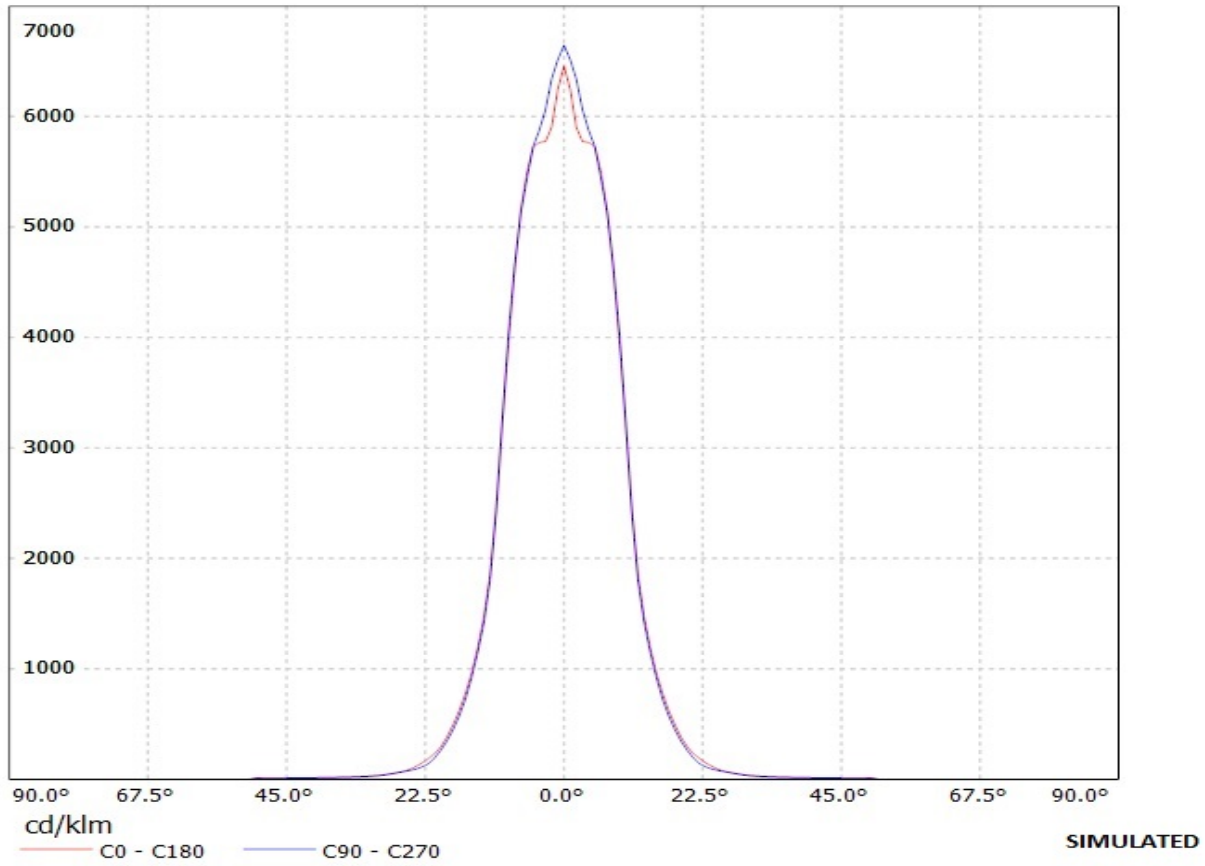
Luminaire: Ledil Oy FA10678_CMC-SS FA10678_CMC-SS

Lamps: 1 x CREE MC-E (white)



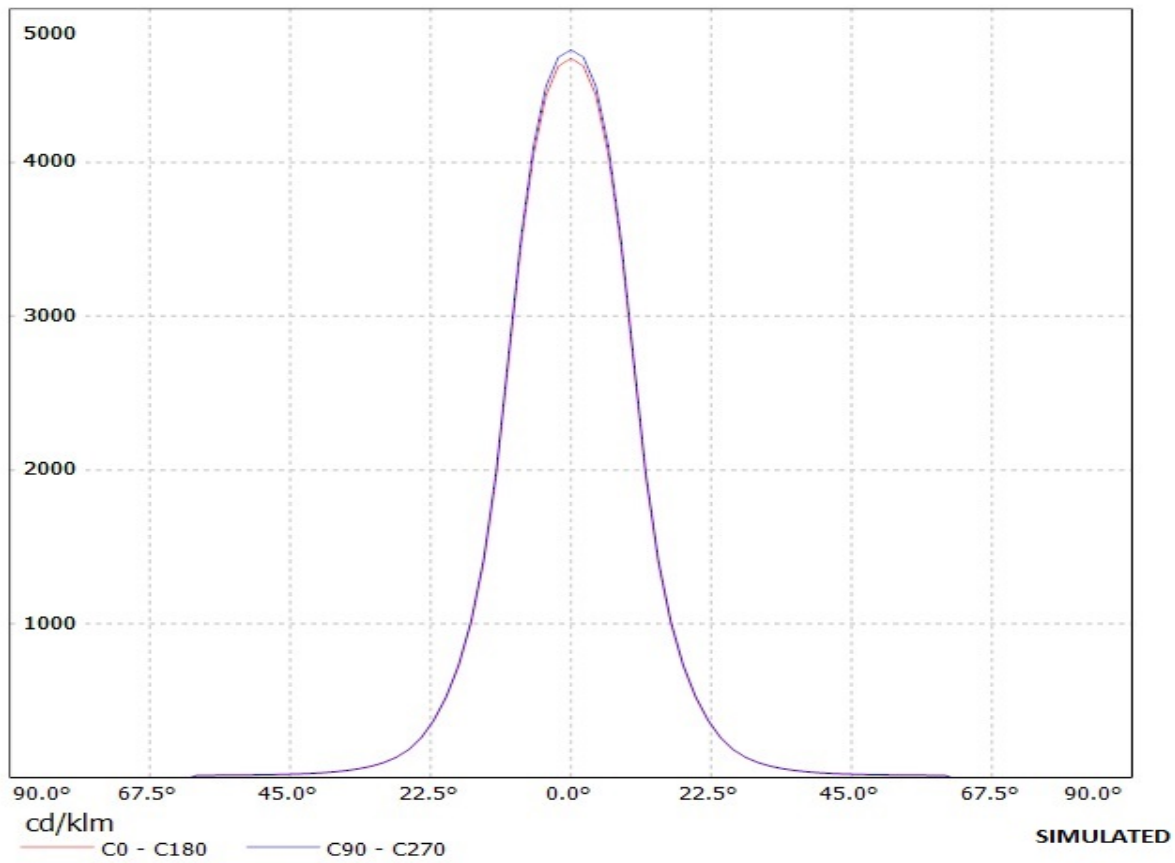
Ledil Oy FA10679_CMC-RS FA10679_CMC-RS / LDC (Linear)

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



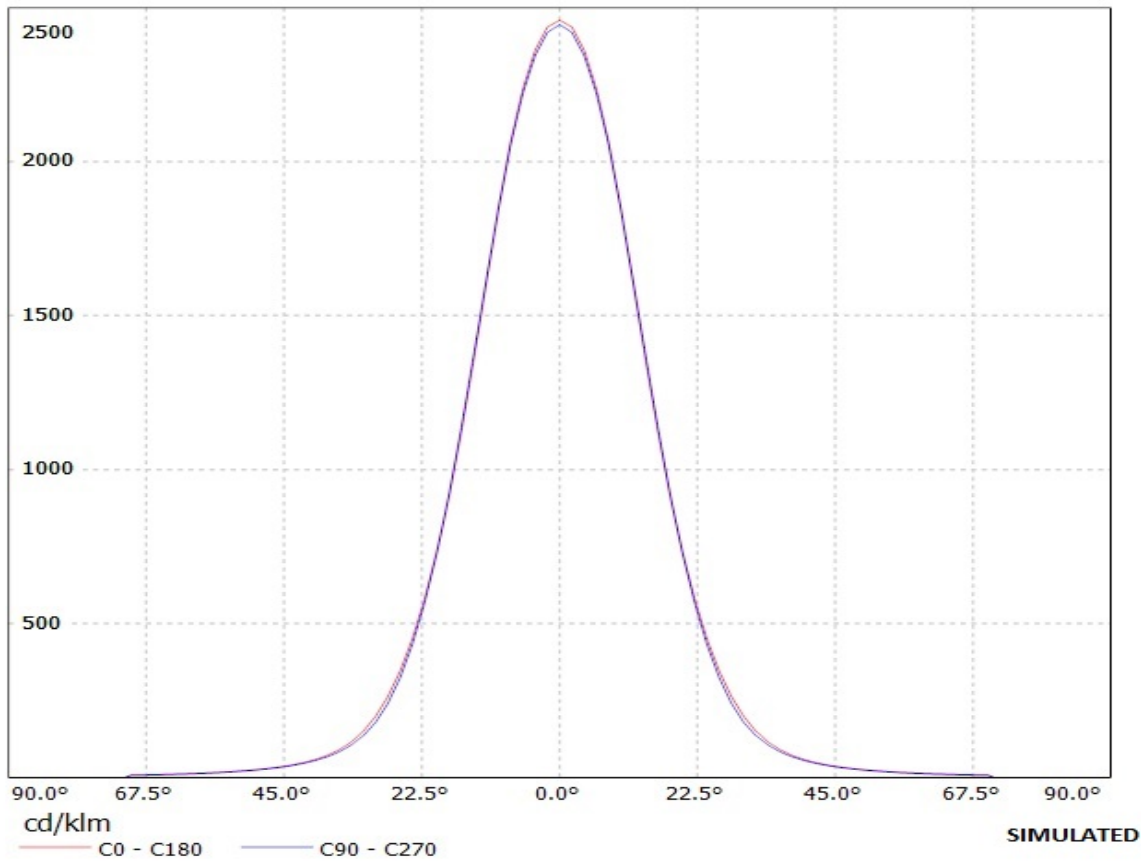
Ledil Oy FA10677_CMC-D FA10677_CMC-D / LDC (Linear)

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



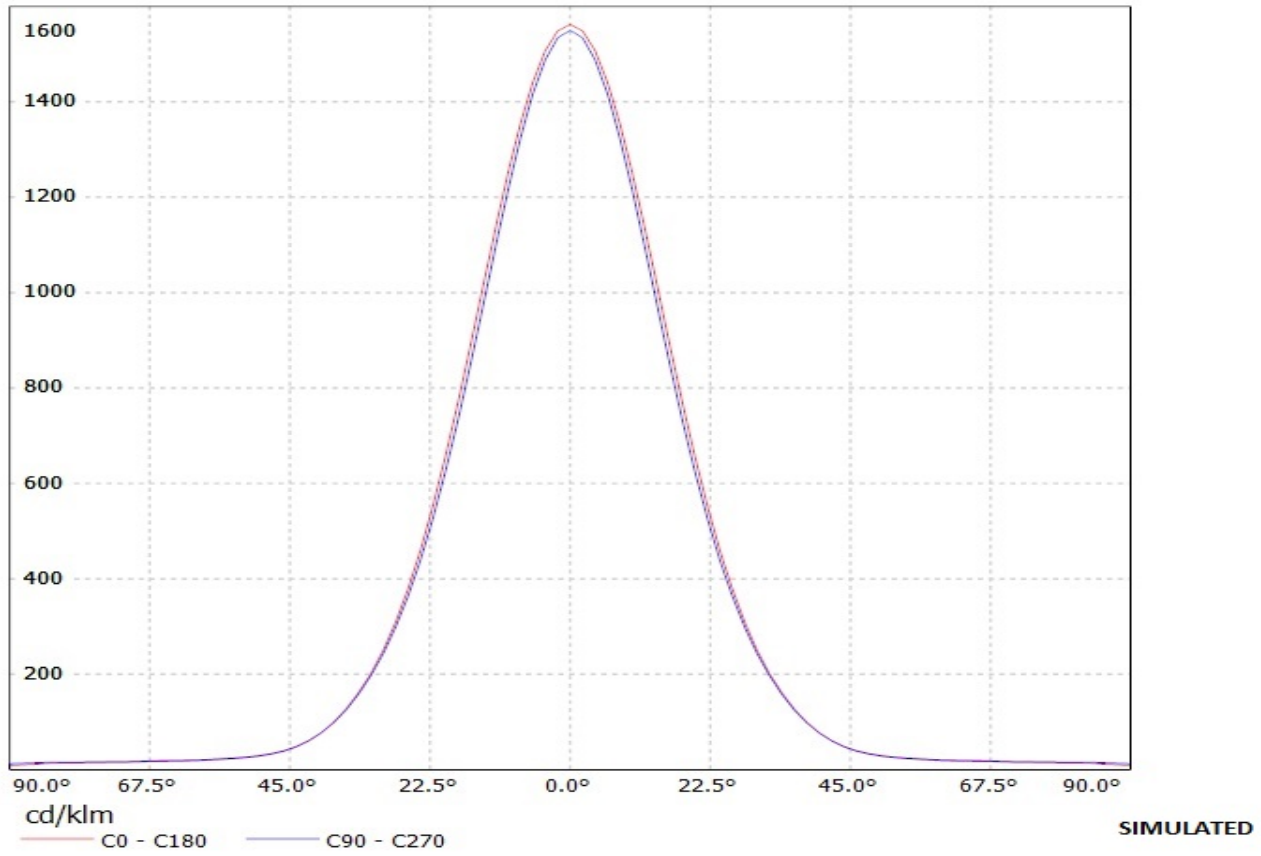
Ledil Oy FA10676_CMC-M FA10676_CMC-M / LDC (Linear)

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



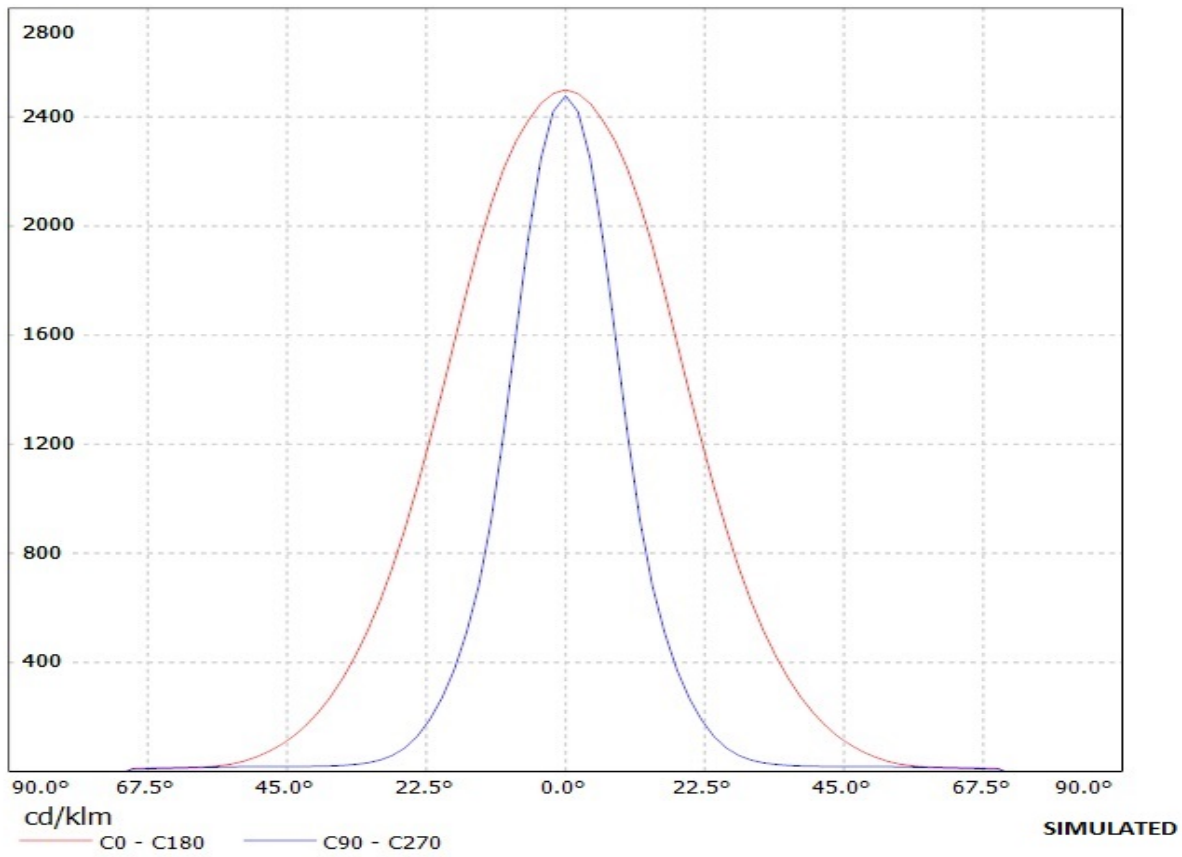
Ledil Oy FA10714_CMC-W FA10714_CMC-W / LDC (Linear)

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



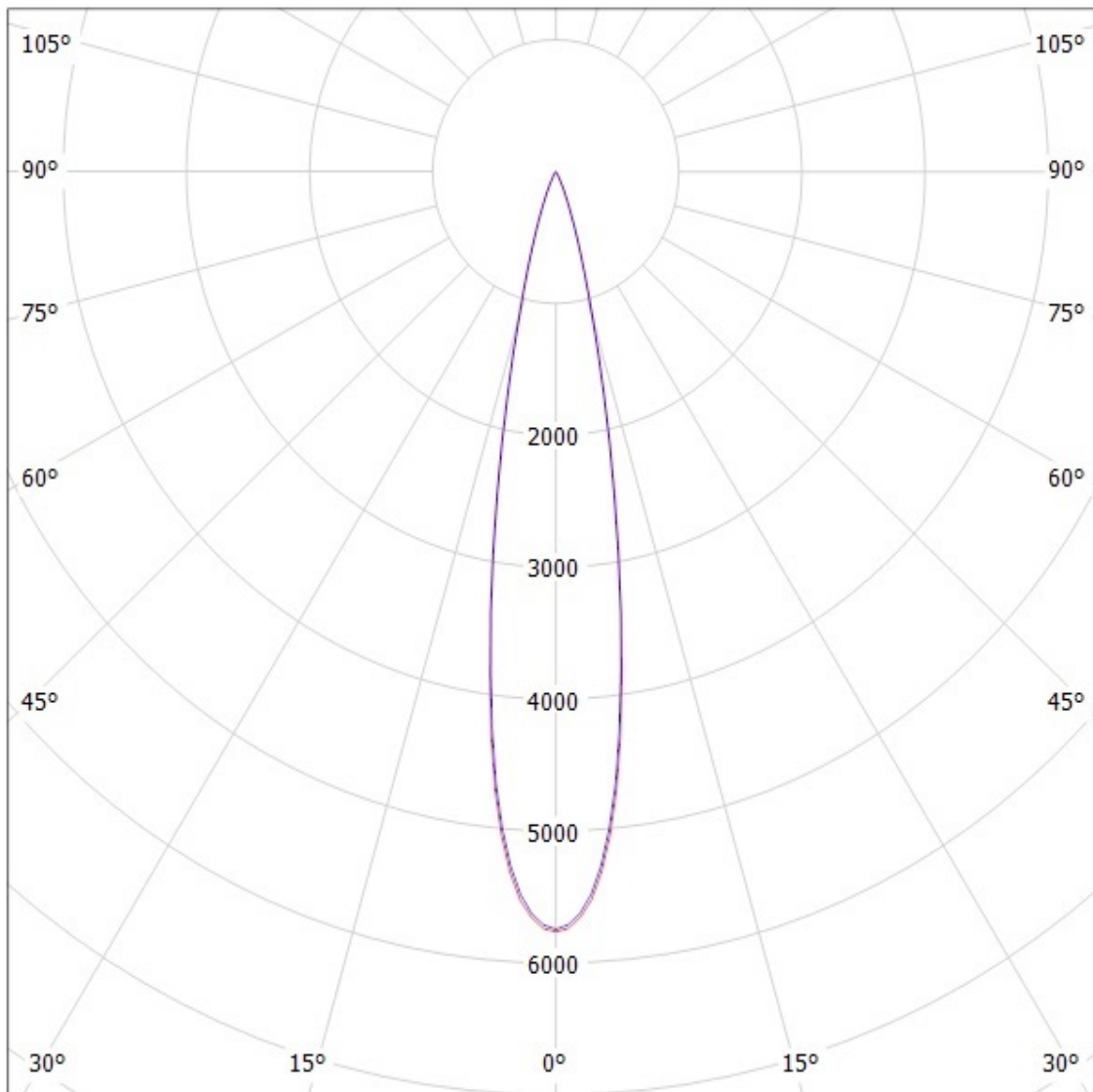
Ledil Oy FA10680_CMC-O FA10680_CMC-O / LDC (Linear)

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

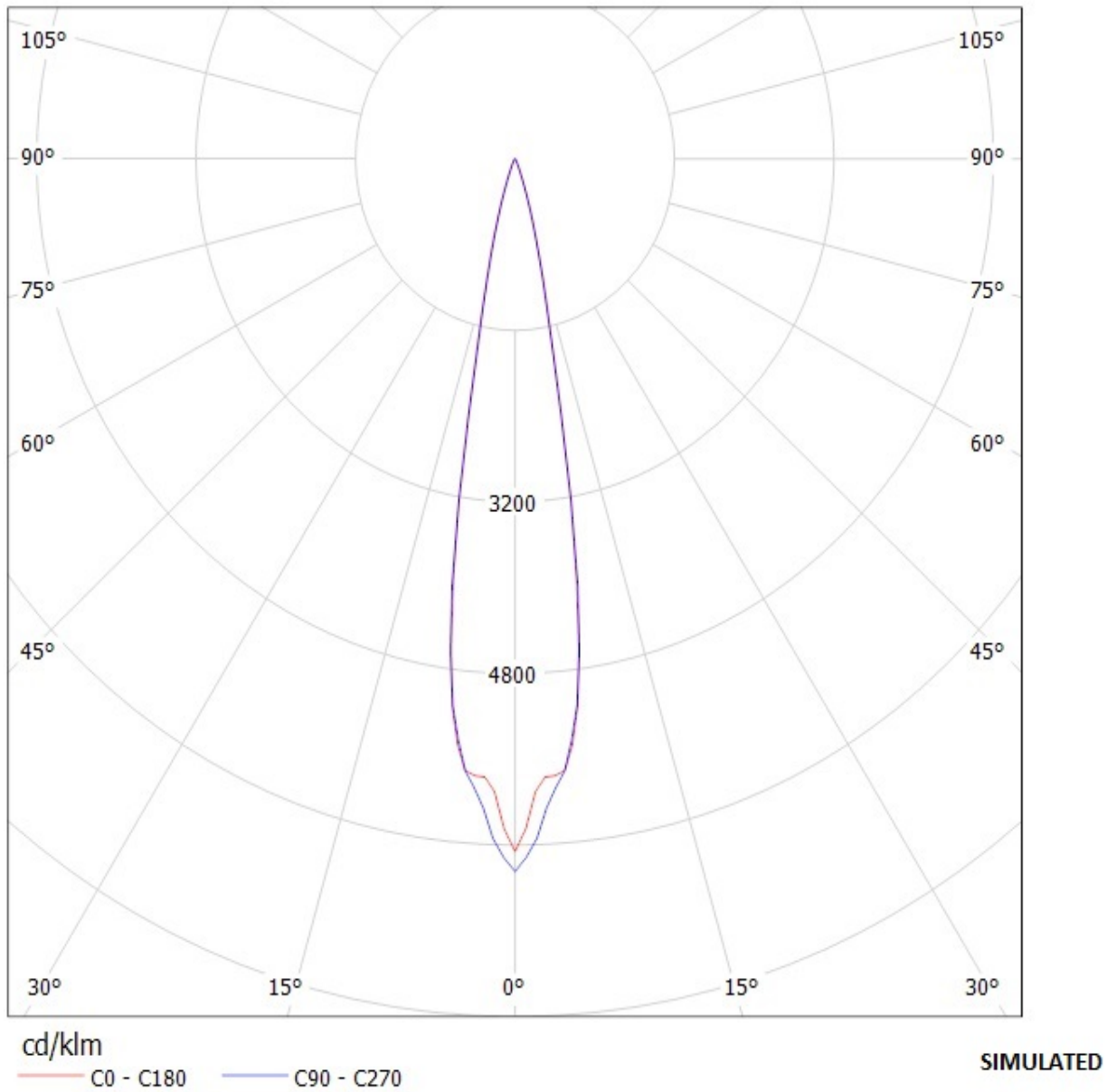
— C0 - C180 — C90 - C270

SIMULATED

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

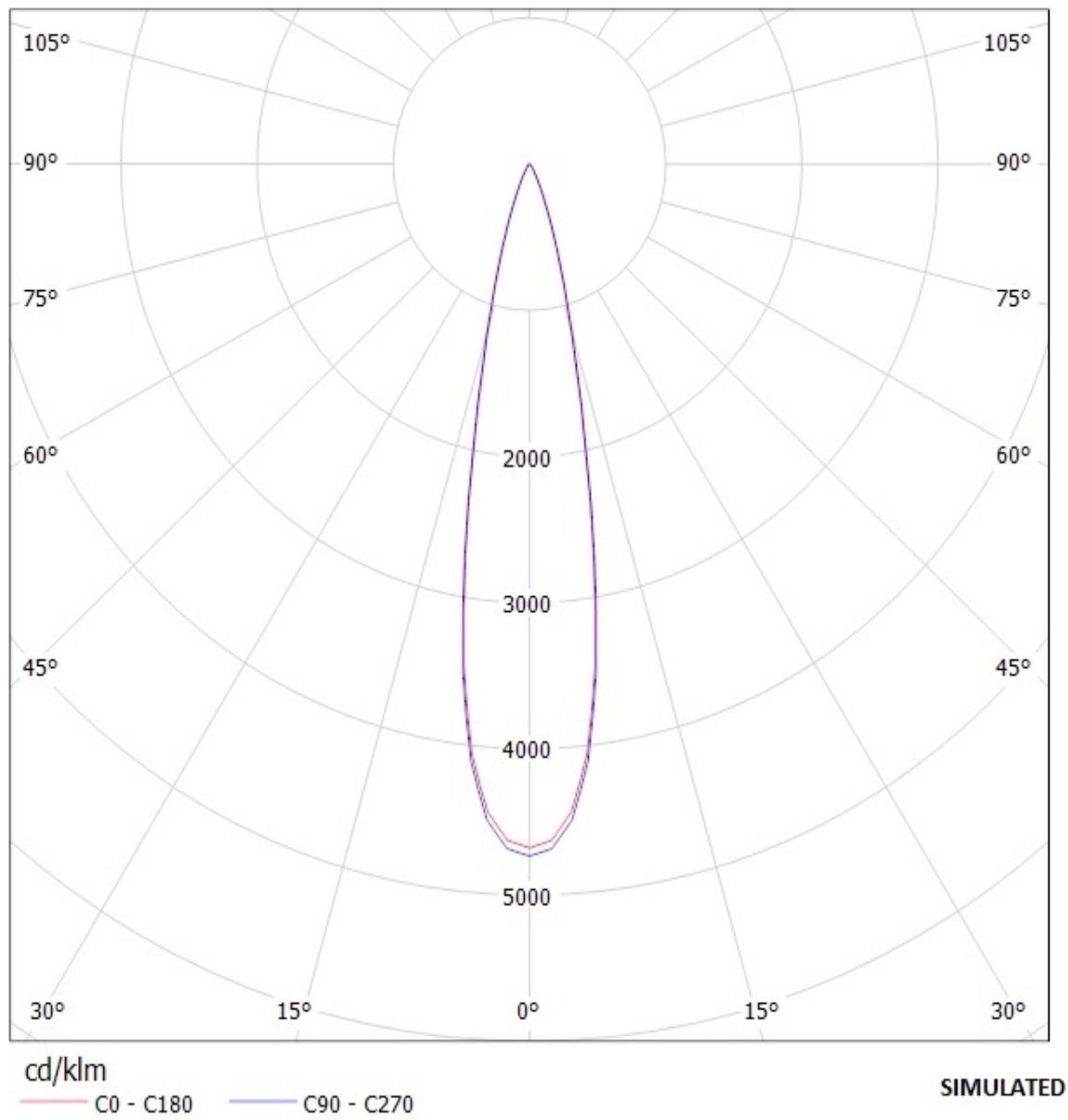
Luminaire: Ledil Oy FA10679_CMC-RS FA10679_CMC-RS

Lamps: 1 x CREE MC-E (white)



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

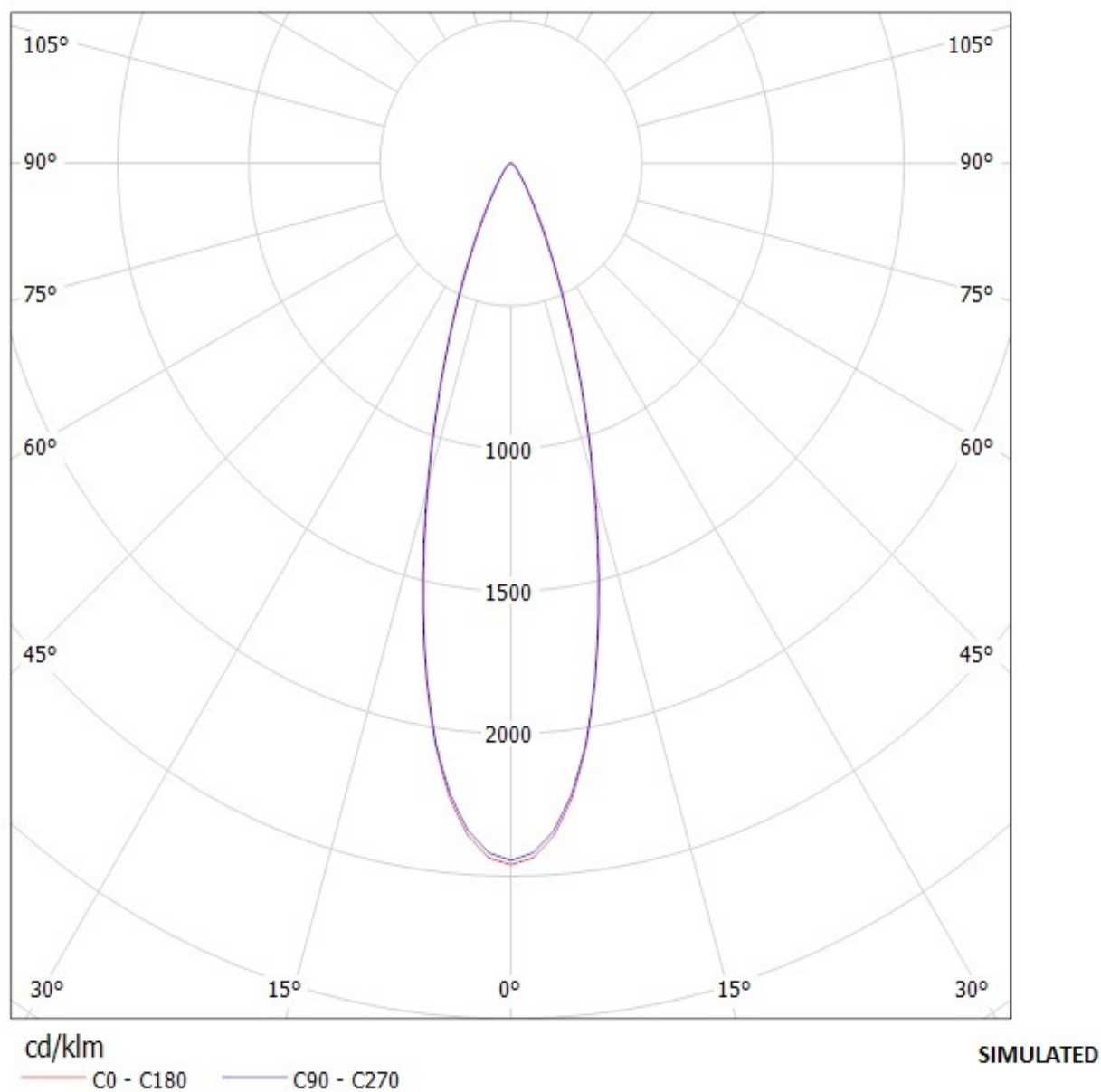
Luminaire: Ledil Oy FA10677_CMC-D FA10677_CMC-D
Lamps: 1 x CREE MC-E (white)



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

Luminaire: Ledil Oy FA10676_CMC-M FA10676_CMC-M

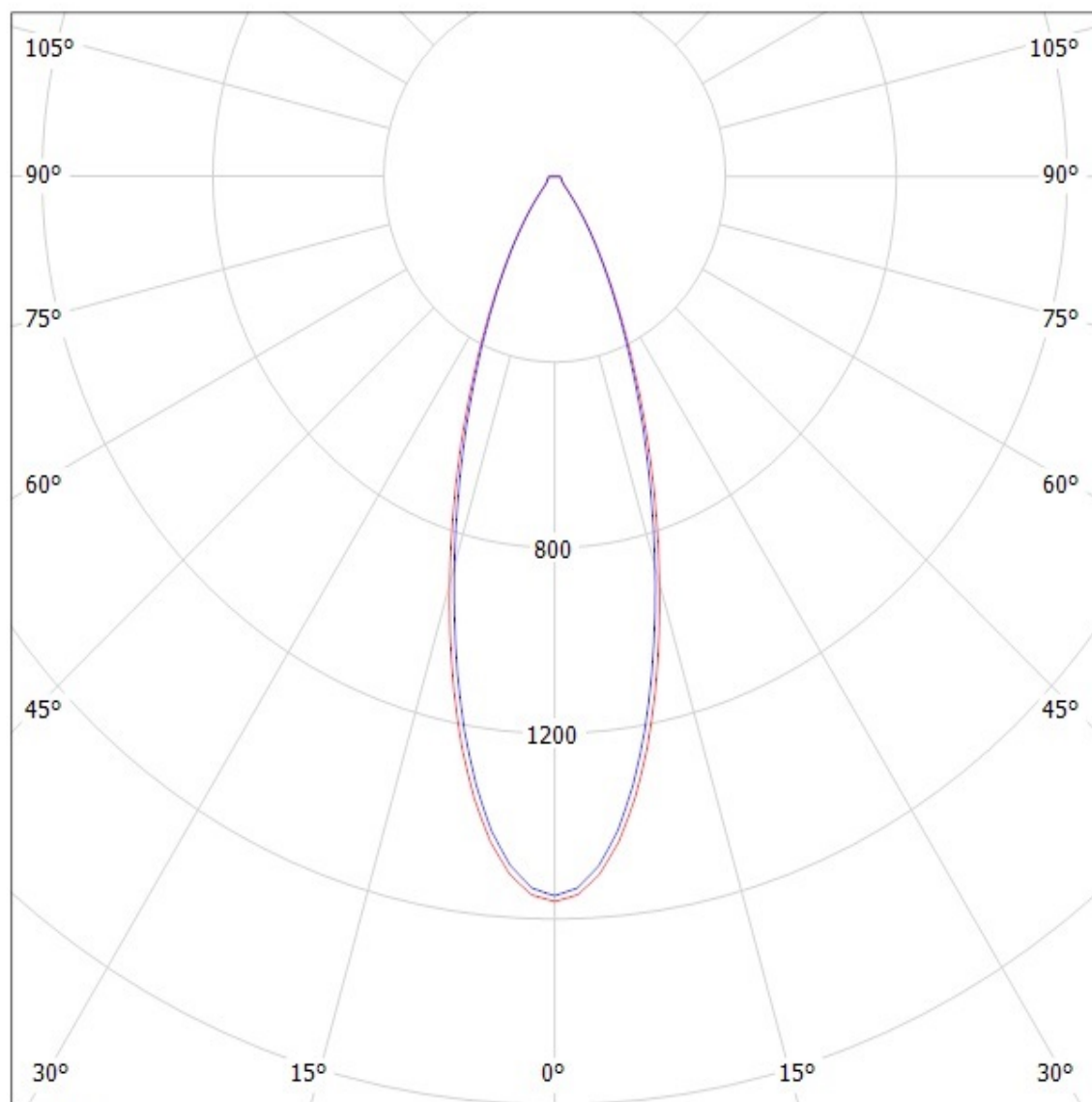
Lamps: 1 x CREE MC-E (white)



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

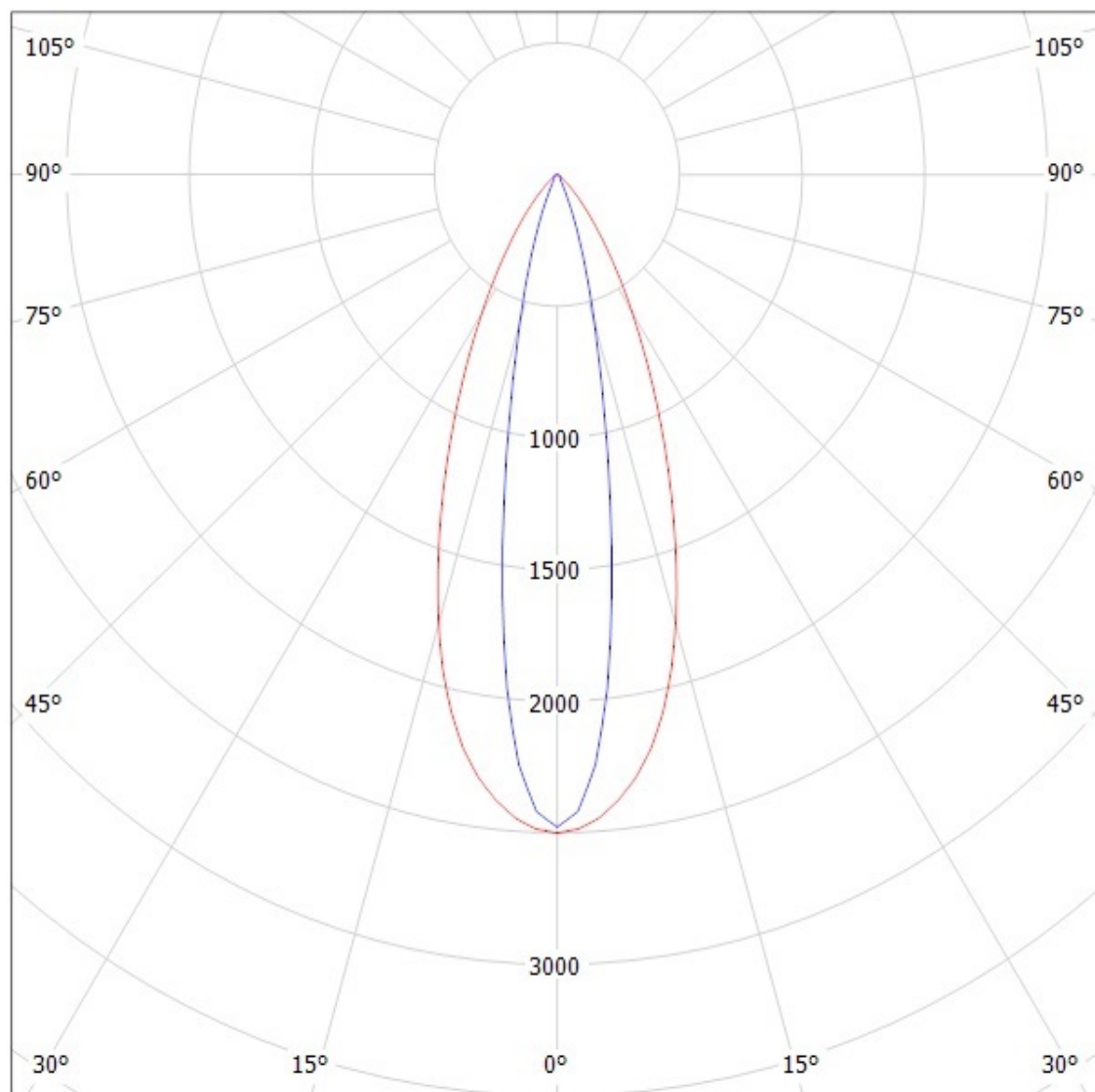
— C0 - C180 — C90 - C270

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