PRODUCT DATASHEET
Flare series
last update 26/6/2013

Ordering number **CA10563_FLARE-C**

Family	Flare	FWHM	8+90 degrees
Type	Assembly	Efficiency	93 %
LED	XR-E	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	24.5 x 24.5 mm		
Height	14.55 mm		
Style	Rectangular		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, tape		
Status	Ready		

Ordering number **C10402_FLARE-C**

Family	Flare	FWHM	84+7 degrees
Type	Lens	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	3.200
Color	Clear	Gerber File	Available
Diameter	24.5 x 24.5 mm		
Height	14.55 mm		
Style	Rectangular		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, glue		
Status	Ready		

Ordering number **C10527_FLARE-C-D**

Family	Flare	FWHM	95+21 degrees
Type	Lens	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	1.000
Color	Clear	Gerber File	Available
Diameter	24.5 x 24.5 mm		
Height	14.55 mm		
Style	Rectangular		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, glue		
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.

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FAX: +358-2-733 8001

GENERAL INFORMATION

- Product series especially designed & optimized for XR-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 (105 degrees of Celcius / 220 degrees of Fahrenheit). 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%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

- 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

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.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 boar 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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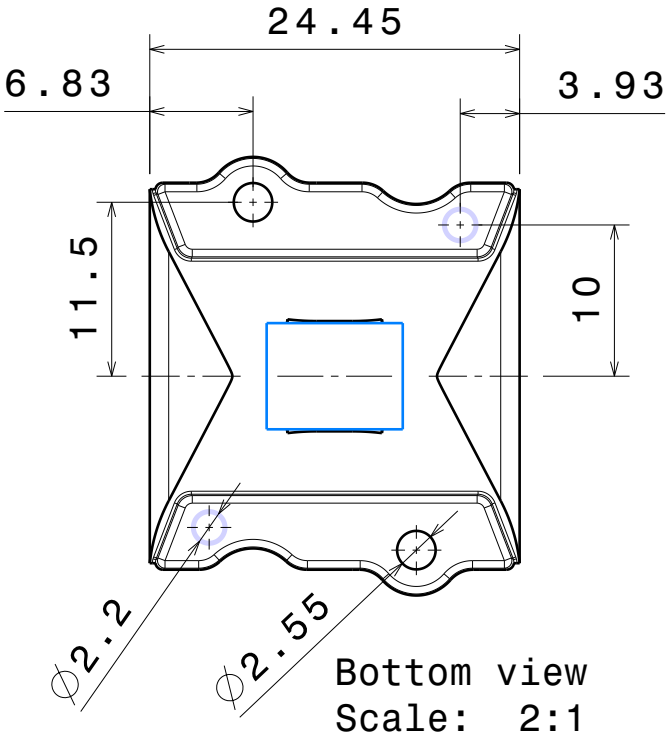
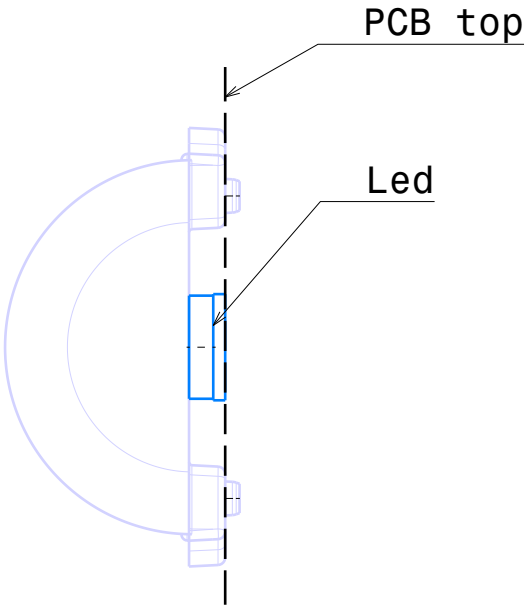
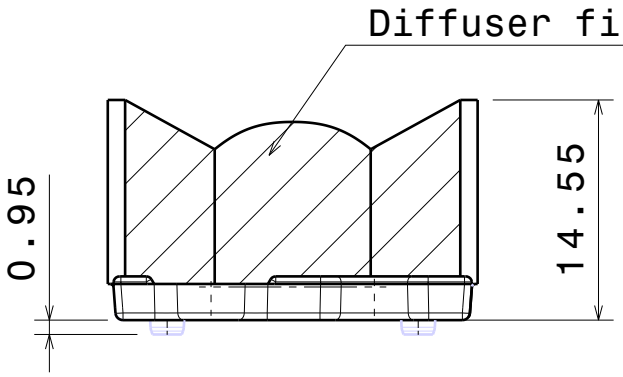


Bottom view
Scale: 2:1



Auxiliary view A
Scale: 2:1



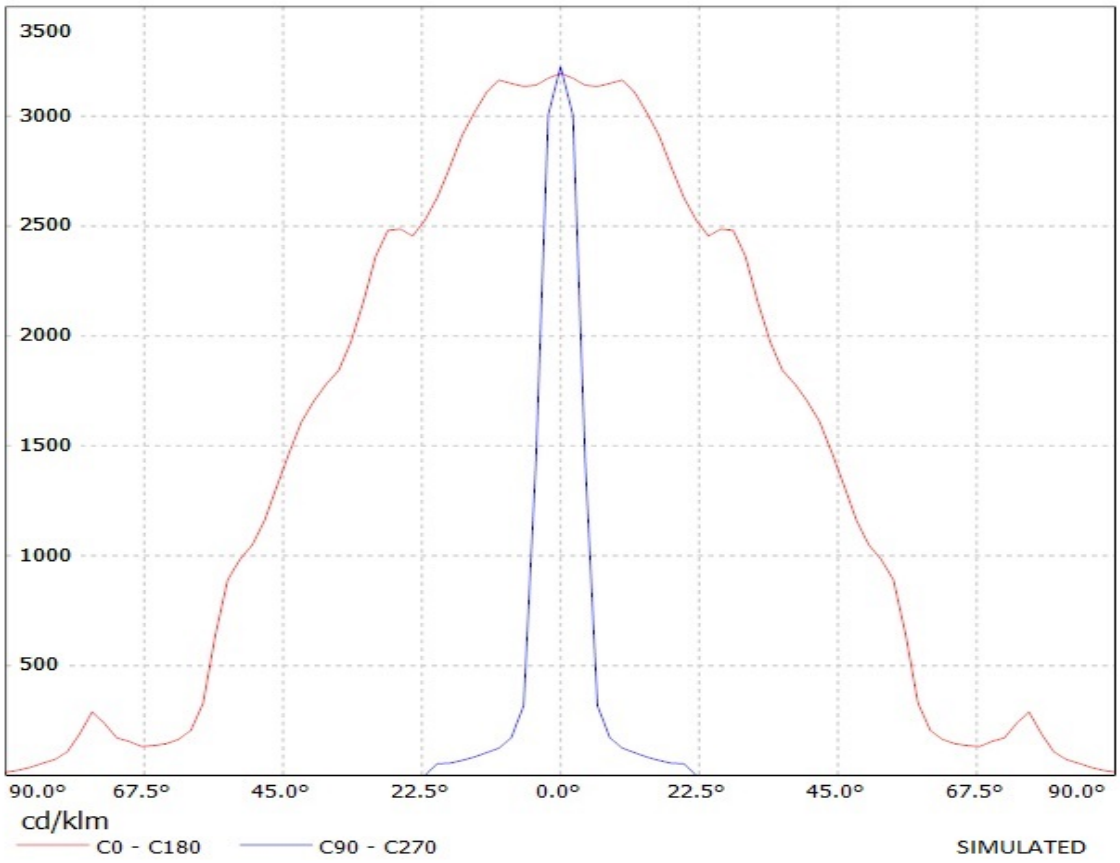
Side view
Scale: 2:1

LEDIL

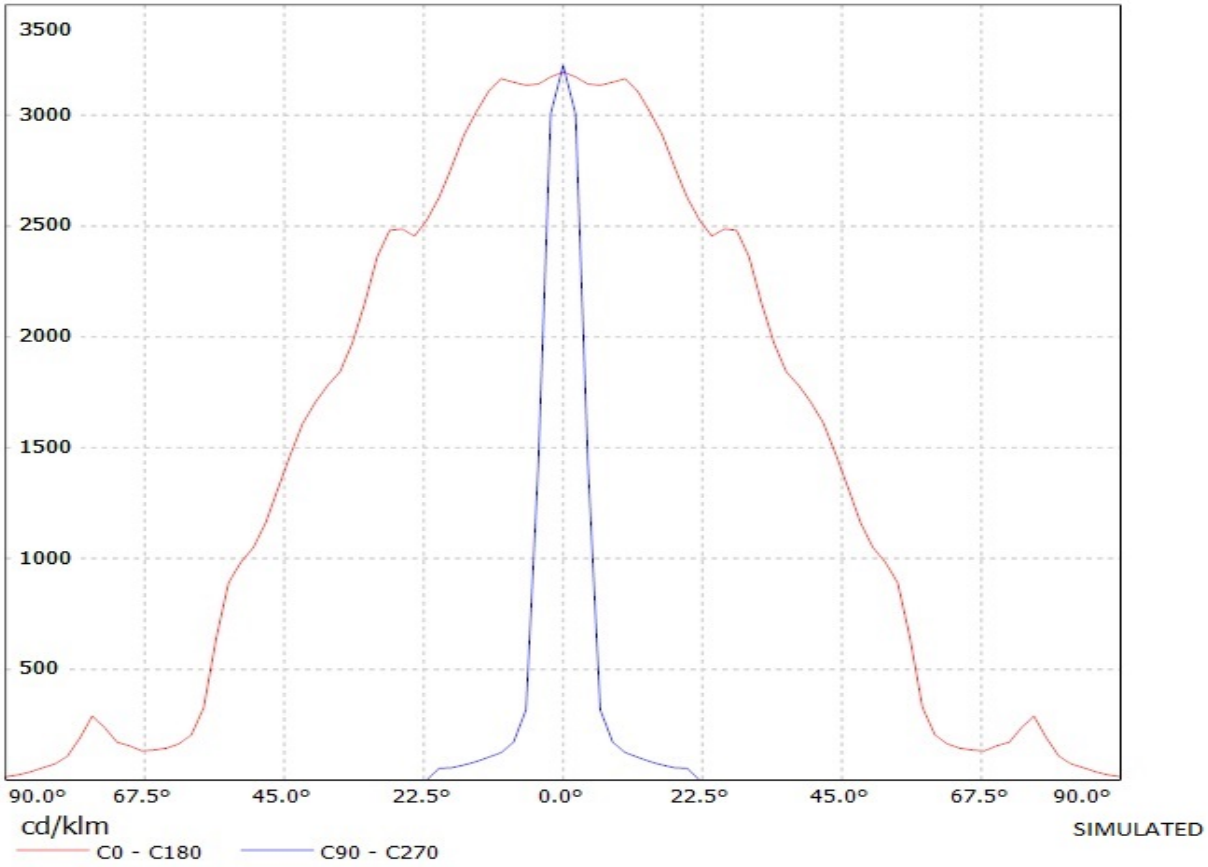
Lentil

DRAWN BY: P	DATE: 23.06.2008	DRAWING TITLE: Datasheet FLARE-C-DIFF		
CHECKED BY: J J	DATE: 23.06.2008	SIZE: A4	DRAWING NUMBER: 11527	REV: 1.0
DESIGNED BY: HH	DATE: 15.08.2007	SCALE: 2:1	WEIGHT(g):	SHEET: 1/1

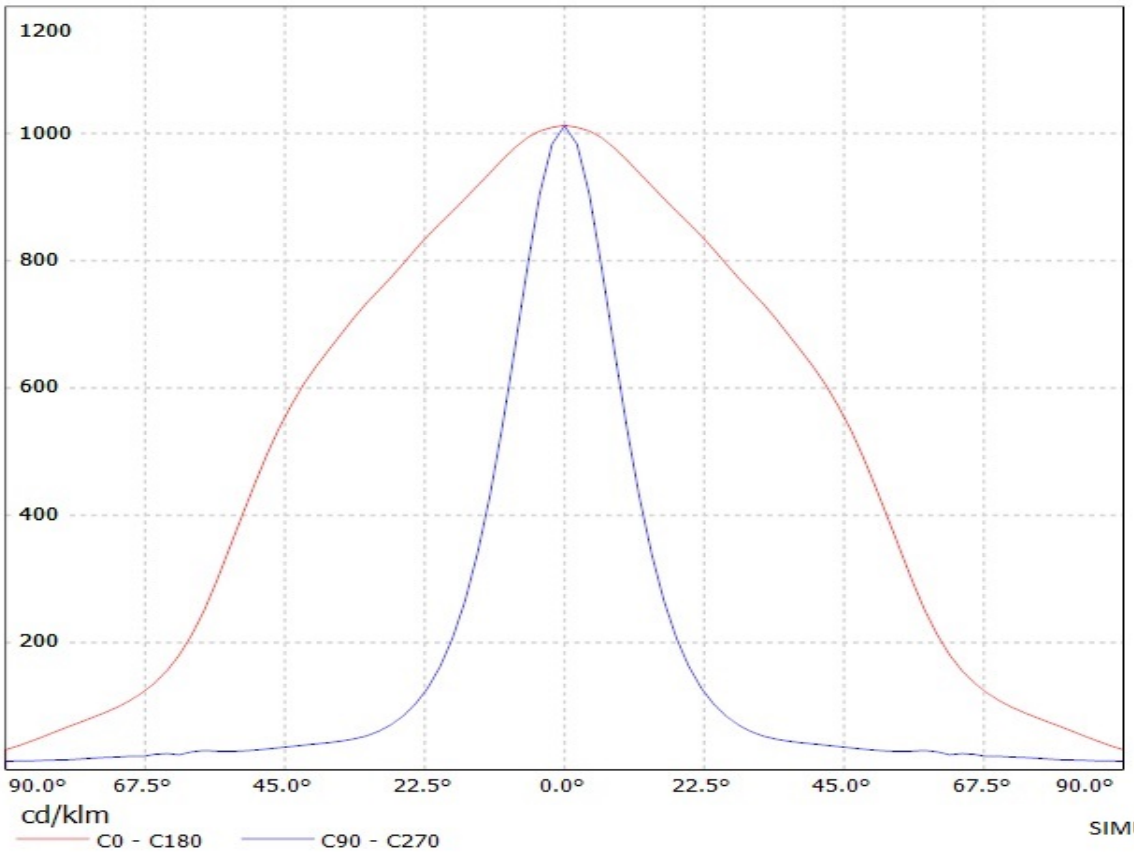
Luminaire: Ledil Oy 10402_Flare-C 10402_Flare-C
Lamps: 1 x Cree XR-E (white)



Luminaire: Ledil Oy 10402_Flare-C 10402_Flare-C
Lamps: 1 x Cree XR-E (white)

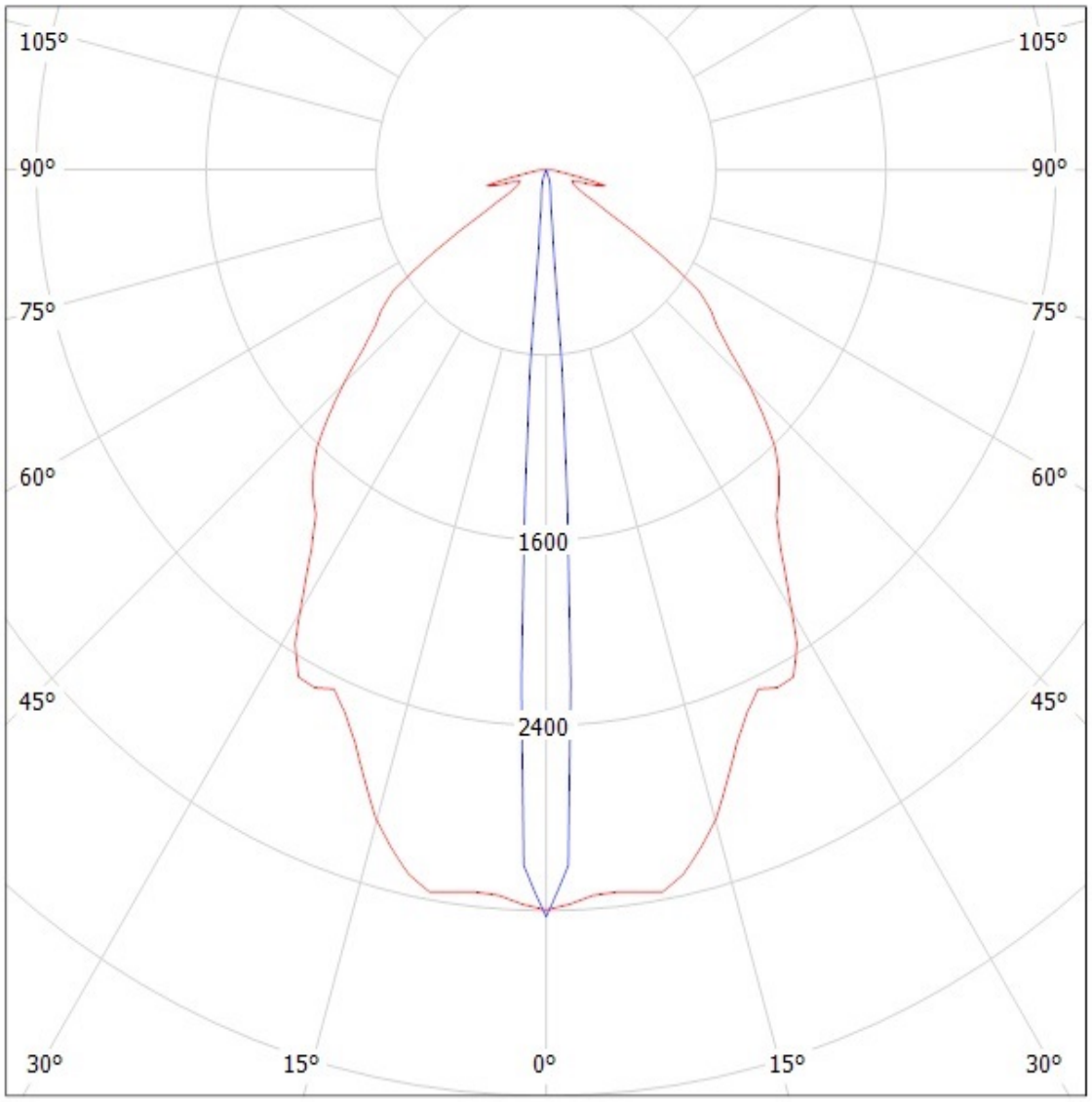


Luminaire: Ledil Oy 10527_Flare-C-diff 10527_Flare-C-diff
Lamps: 1 x Cree XR-E (white)



SIMULATED

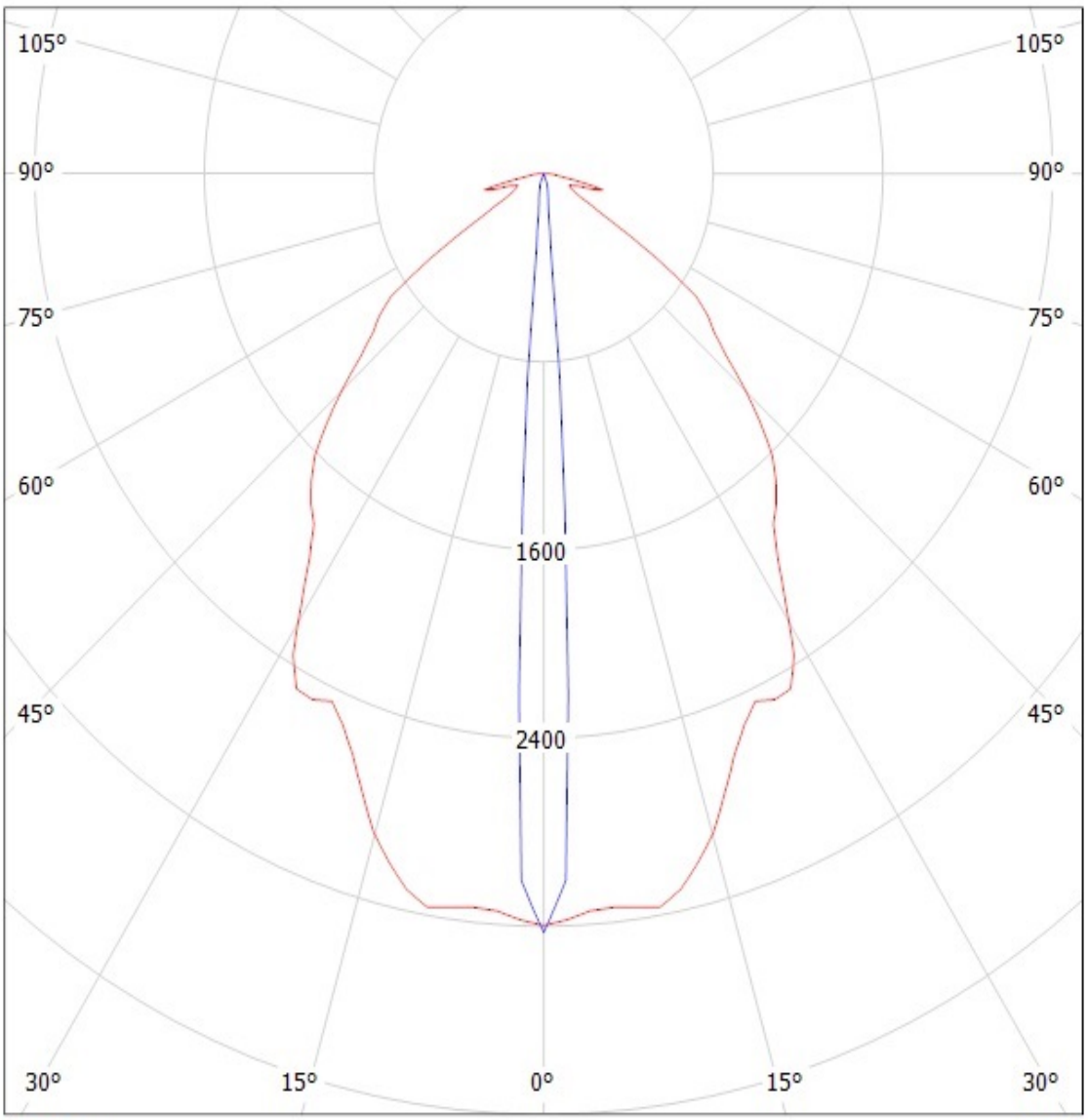
Luminaire: Ledil Oy 10402_Flare-C 10402_Flare-C
Lamps: 1 x Cree XR-E (white)



cd/klm
C0 - C180
C90 - C270

SIMULATED

Luminaire: Ledil Oy 10402_Flare-C 10402_Flare-C
Lamps: 1 x Cree XR-E (white)

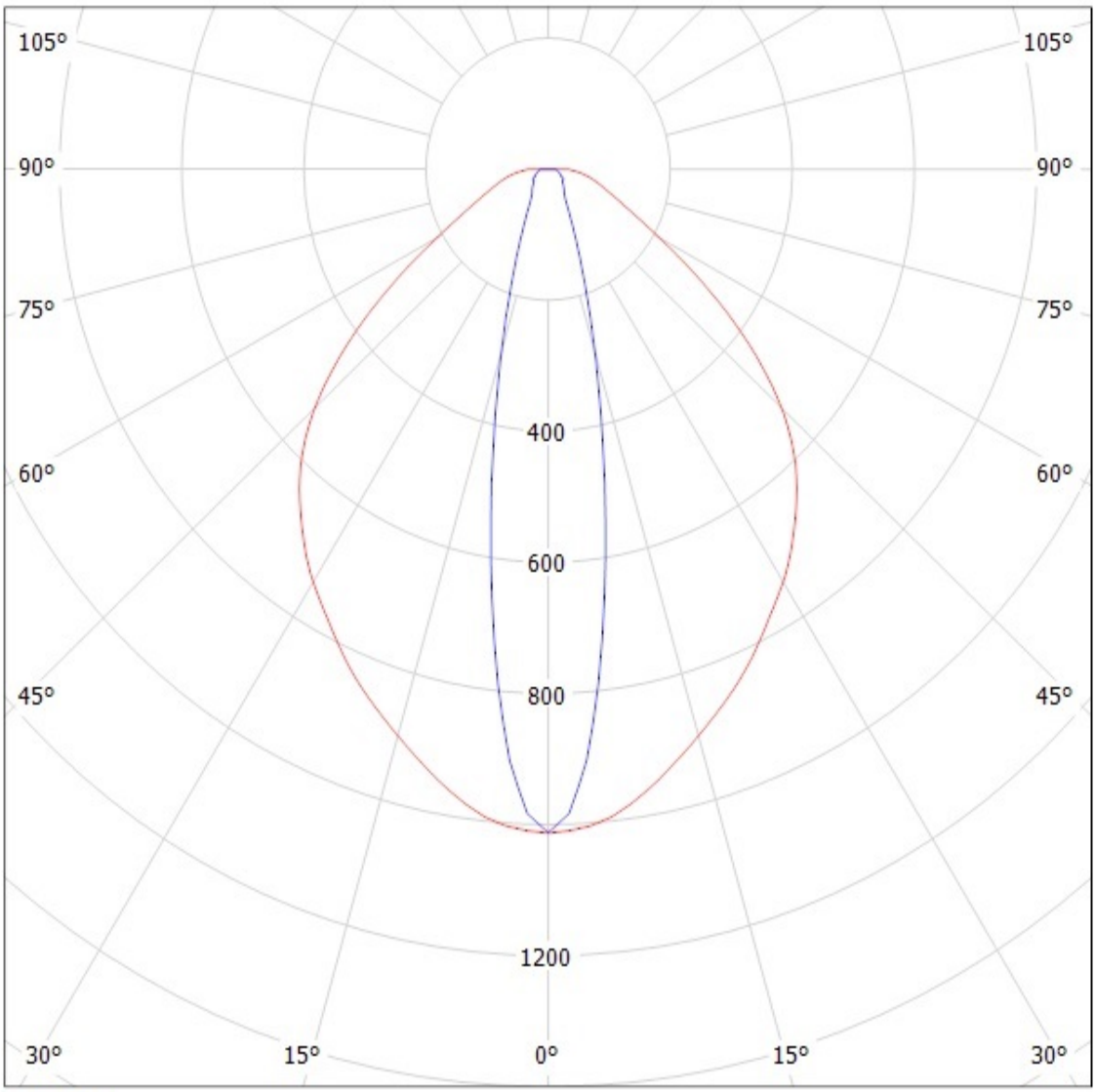


cd/klm

SIMULATED

C0 - C180 C90 - C270

Luminaire: Ledil Oy 10527_Flare-C-diff 10527_Flare-C-diff
Lamps: 1 x Cree XR-E (white)



cd/klm

C0 - C180 C90 - C270

SIMULATED