

**Product number FA11937_LXM-RS**

Family	Leila	FWHM	14 degrees
Type	Assembly	Efficiency	95 %
LED	XM-L	cd/lm	7.600
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11938_LXM-D**

Family	Leila	FWHM	20 degrees
Type	Assembly	Efficiency	91 %
LED	XM-L	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA13860_LXM-O-90**

Family	Leila	FWHM	21+39 degrees
Type	Assembly	Efficiency	85 %
LED	XM-L	cd/lm	2.950
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11939_LXM-M**

Family	Leila	FWHM	30 degrees
Type	Assembly	Efficiency	91 %
LED	XM-L	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11941_LXM-REC**

Family	Leila	FWHM	37+28 degrees
Type	Assembly	Efficiency	82 %
LED	XM-L	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number C13353_LEILA-R-CLIP16**

Family	Leila	FWHM	77 degrees
Type	Reflector	Efficiency	90 %
LED	XM-L	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Round		
Optic Material	HRPC		
Holder Material	-		
Fastening	["clips"]		
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

Leila series

last update 19/2/2013

GENERAL INFORMATION

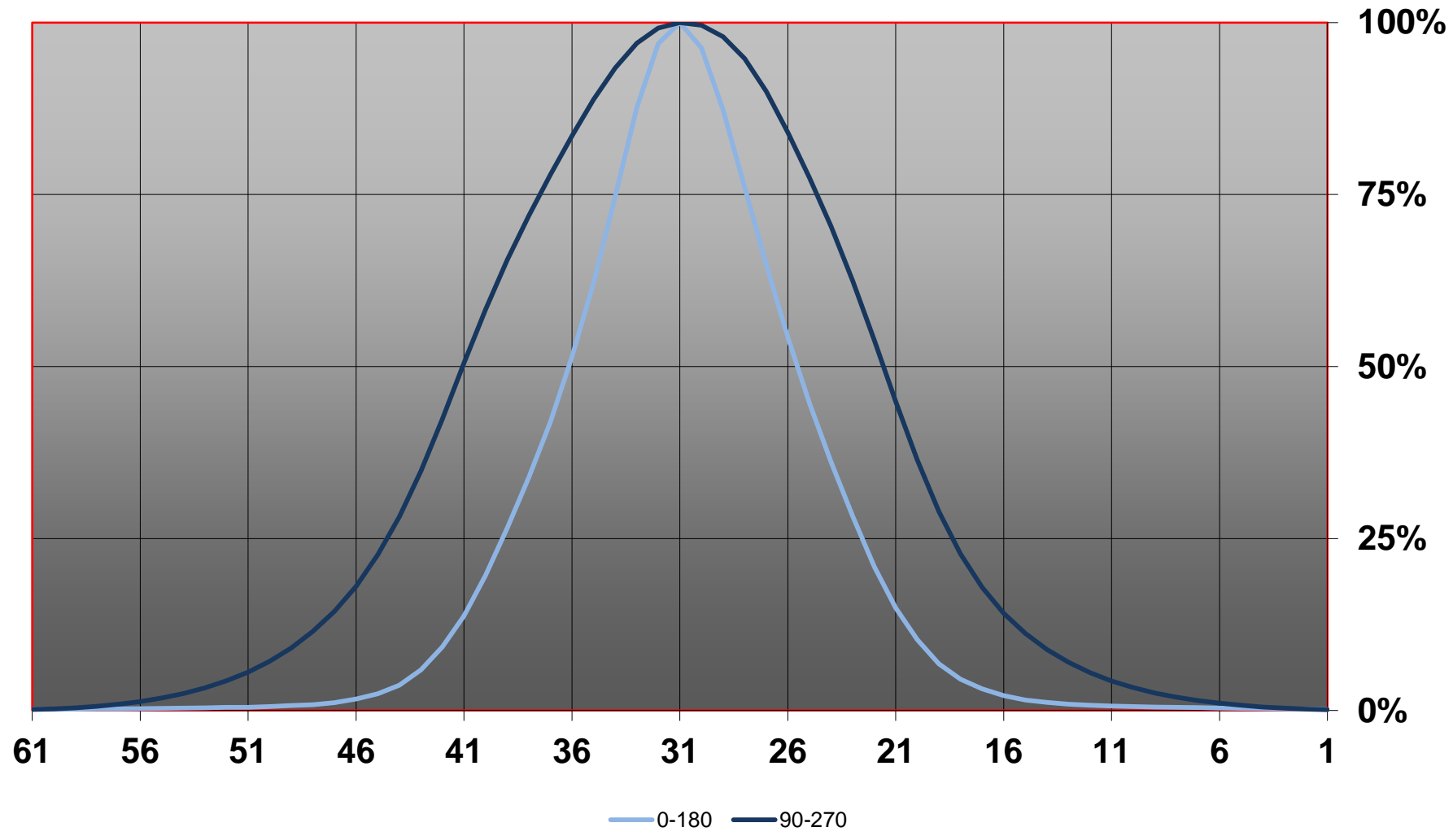
- Product series especially designed & optimized for XM-L series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

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

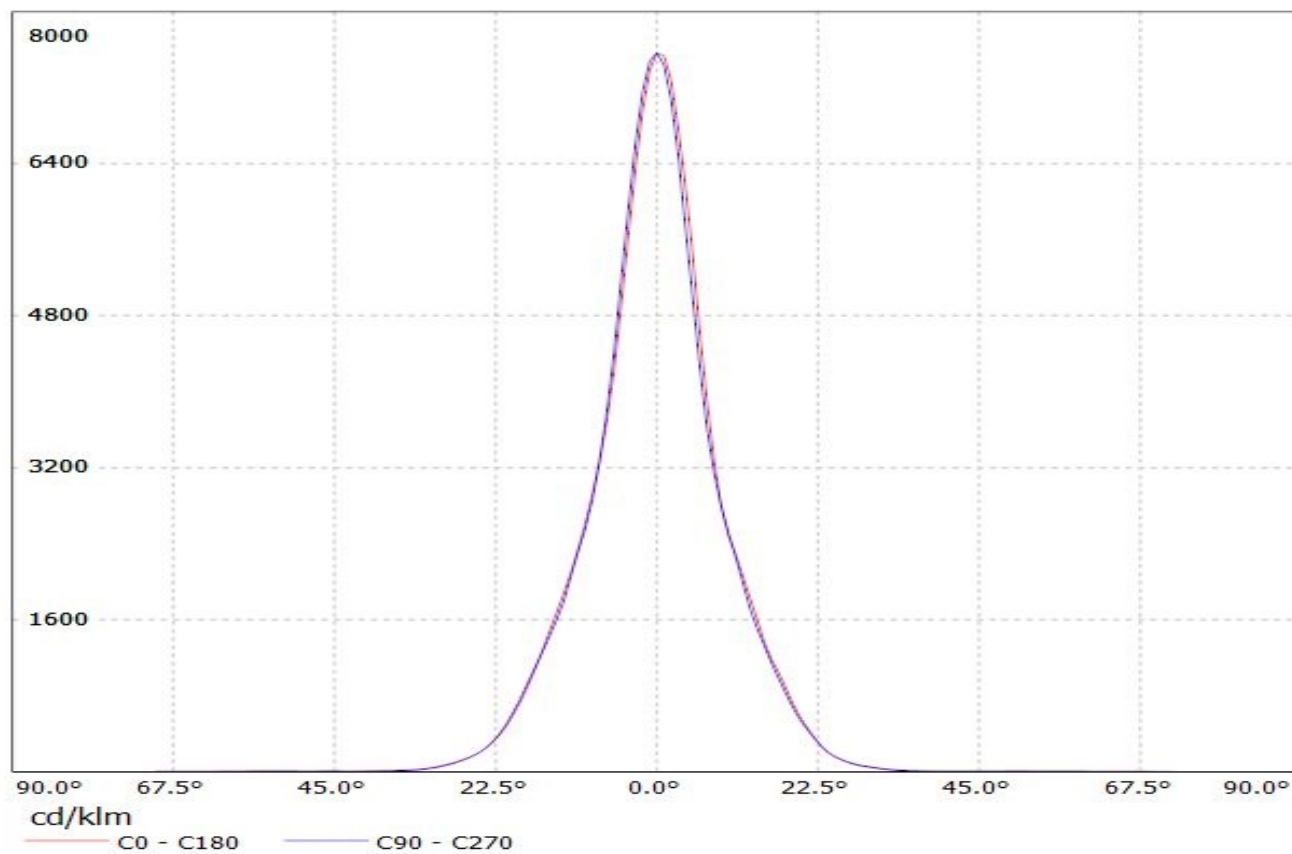
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of FA13860_LXM-O-90_(XM-L)



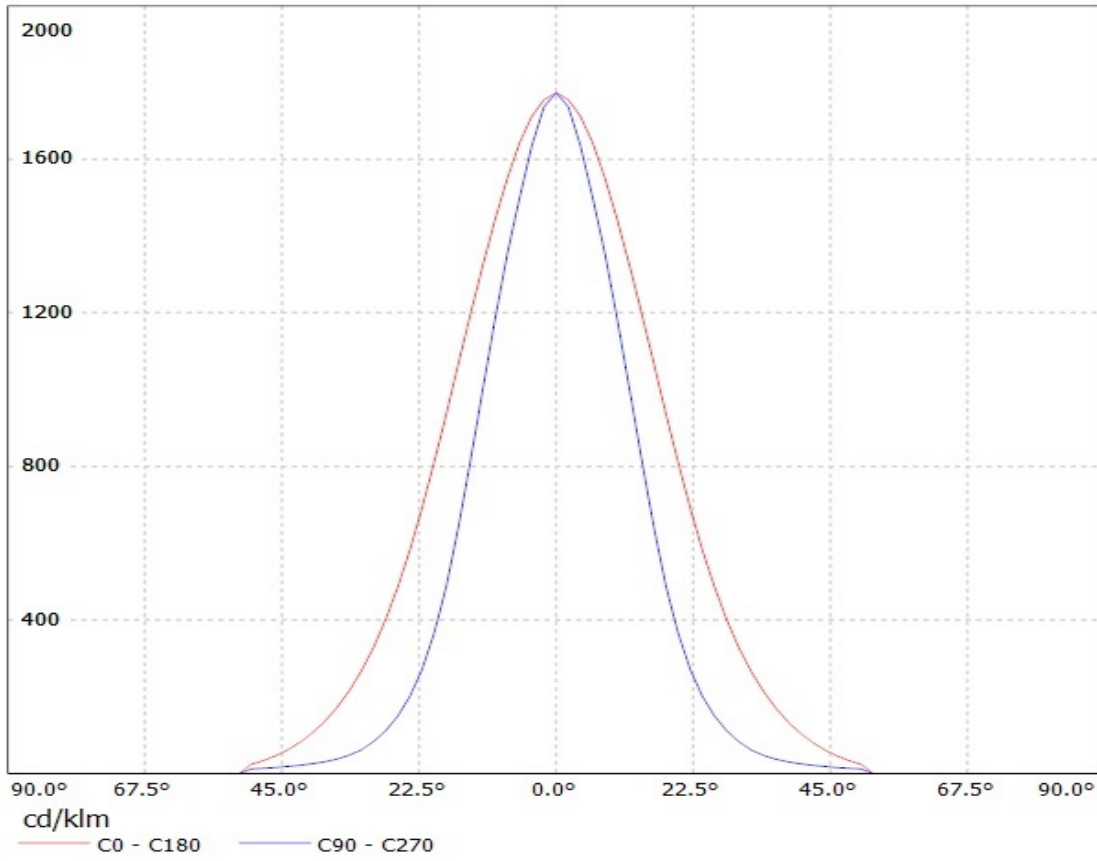
Luminaire: LEDil Oy FA11937_LXM_RS

Lamps: 1 x Cree XM-L (100lm@250mA) XMLAWT-00-0000-0000T6051 P=0.7W I=250mA



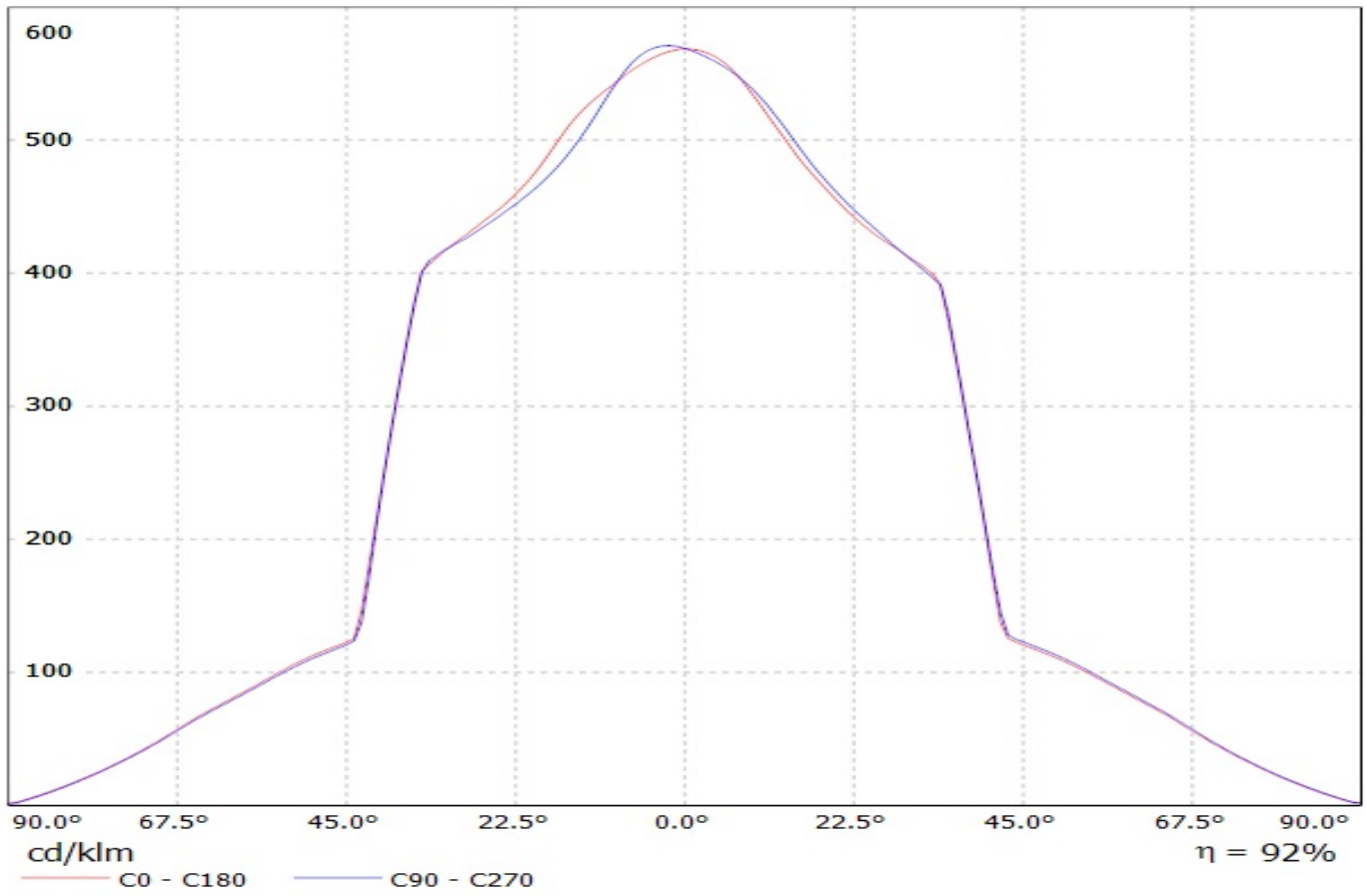
Ledil Oy FA11941_LXM_REC FA11941_LXM_REC LOR=82% / LDC (Linear)

Luminaire: Ledil Oy FA11941_LXM_REC FA11941_LXM_REC LOR=82%
Lamps: 1 x Cree XM-L



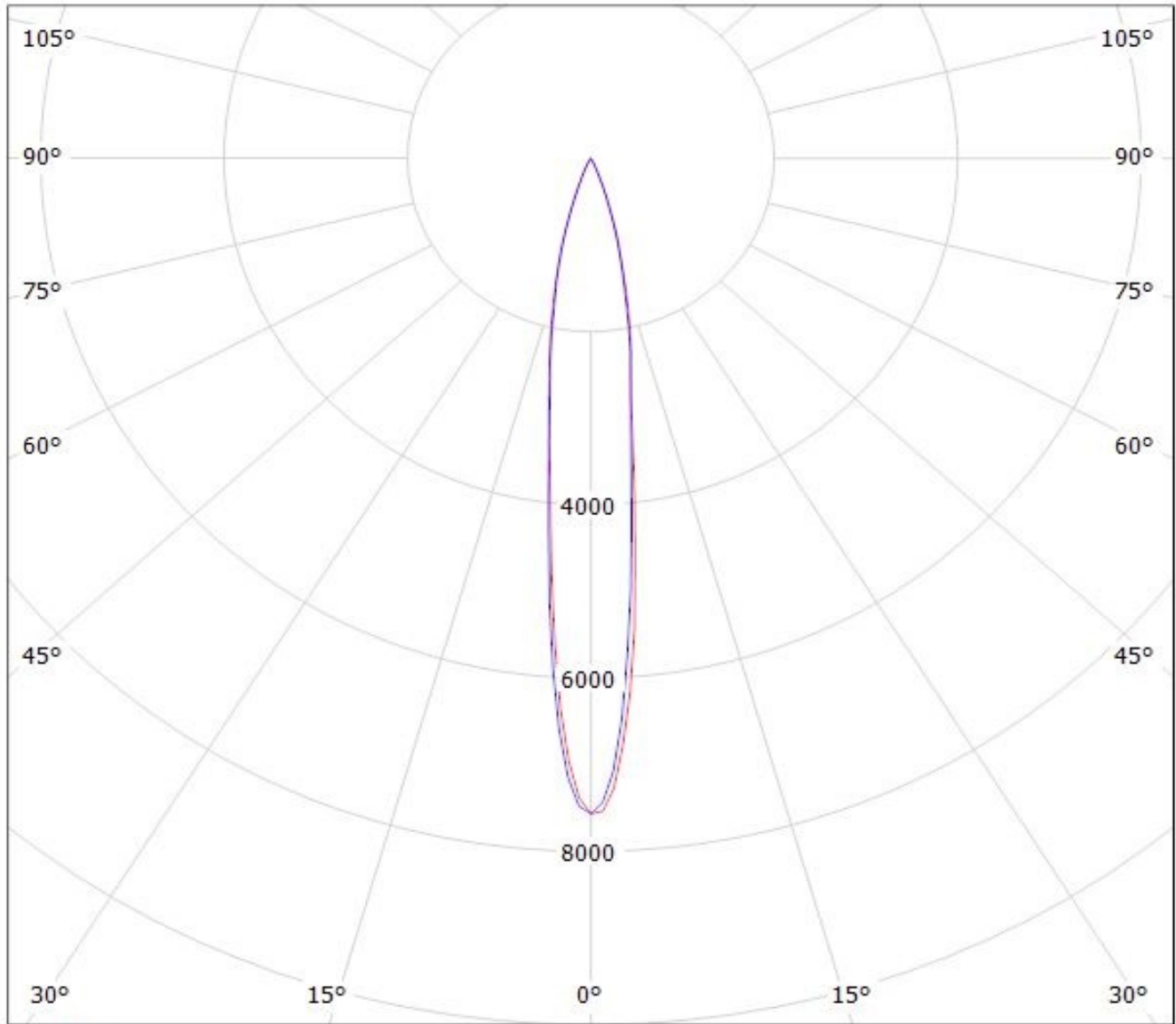
SIMULATED

Luminaire: LEDiL Oy C13353_LEILA-R-CLIP16
Lamps: 1 x Cree XML 90.6lm @ 250mA



Luminaire: LEDil Oy FA11937_LXM_RS

Lamps: 1 x Cree XM-L (100lm@250mA) XMLAWT-00-0000-0000T6051 P=0.7W I=250mA



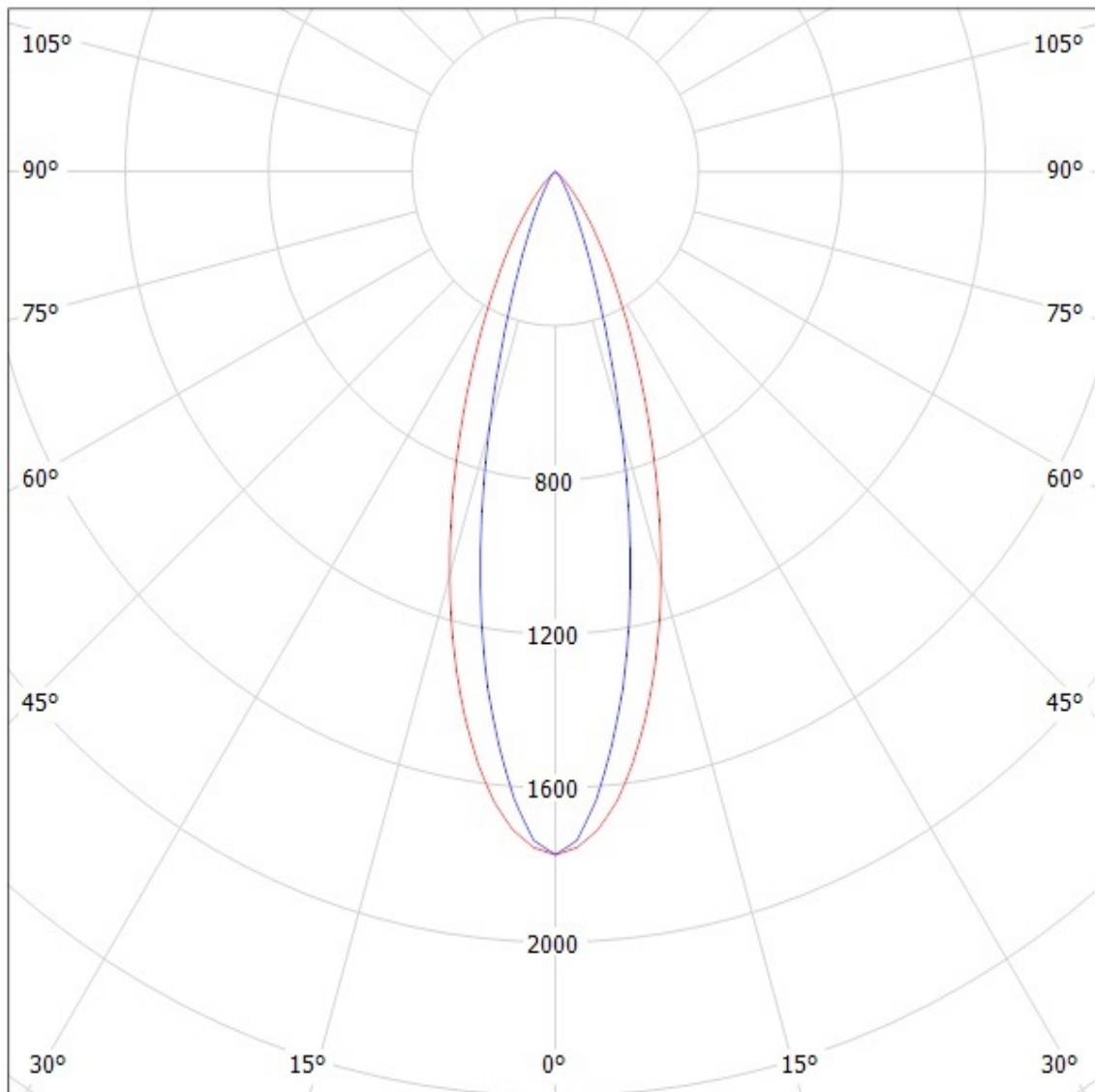
cd/klm

— C0 - C180

— C90 - C270

Ledil Oy FA11941_LXM_REC FA11941_LXM_REC LOR=82% / LDC (Polar)

Luminaire: Ledil Oy FA11941_LXM_REC FA11941_LXM_REC LOR=82%
Lamps: 1 x Cree XM-L



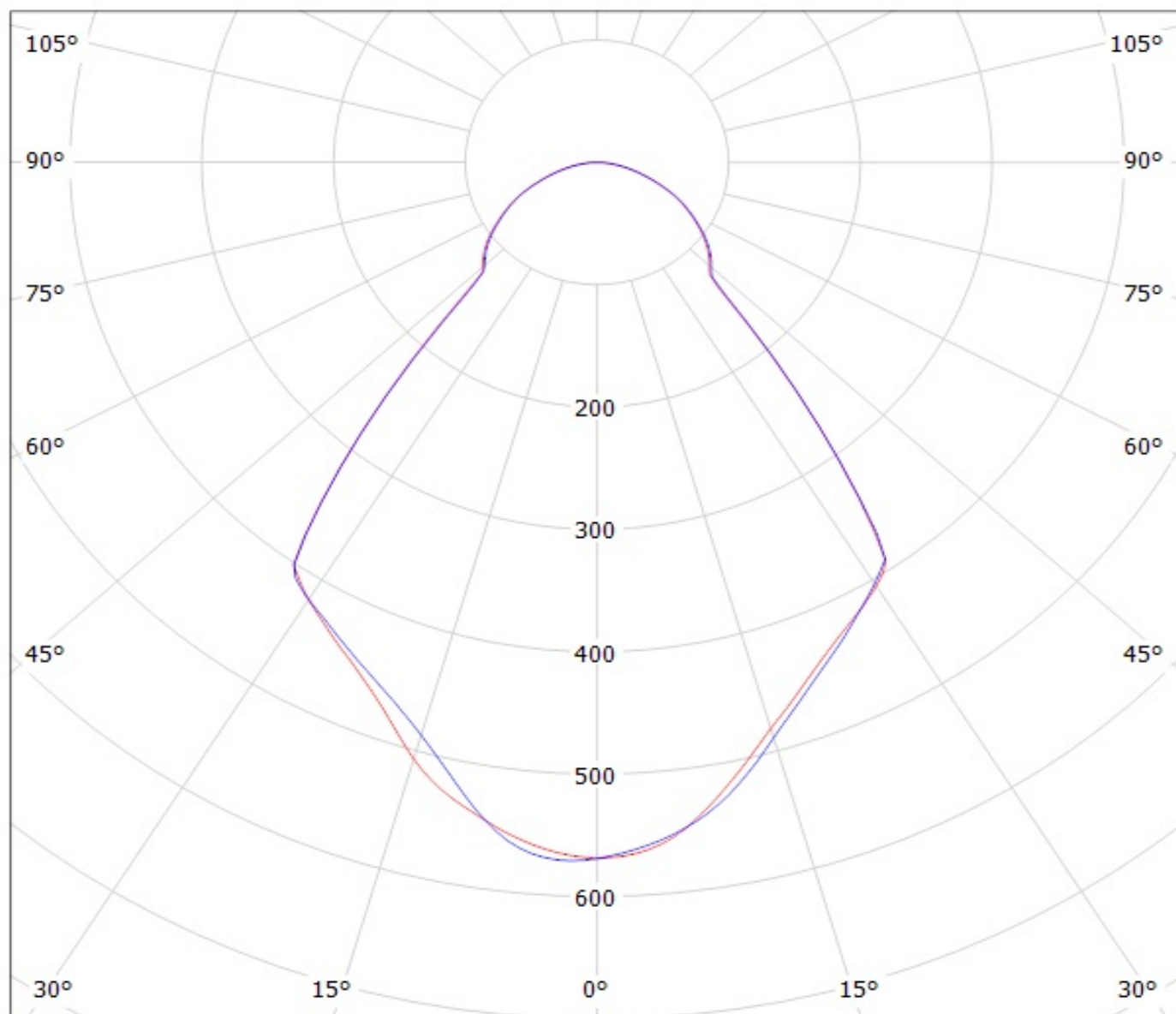
cd/klm

— C0 - C180

— C90 - C270

SIMULATED

Luminaire: LEDiL Oy C13353_LEILA-R-CLIP16
Lamps: 1 x Cree XML 90.6lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$