

**Product number FA10887_TINA-RS**

Family	Tina	FWHM	15 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/Im	11.100
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA10644_TINA-D**

Family	Tina	FWHM	20 degrees
Type	Assembly	Efficiency	93 %
LED	XP-G	cd/Im	5.130
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA10645_TINA-M**

Family	Tina	FWHM	30 degrees
Type	Assembly	Efficiency	90 %
LED	XP-G	cd/Im	2.230
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11200_TINA-O**

Family	Tina	FWHM	33+18 degrees
Type	Assembly	Efficiency	92 %
LED	XP-G	cd/Im	3.180
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA10838_TINA-W**

Family	Tina	FWHM	51 degrees
Type	Assembly	Efficiency	92 %
LED	XP-G	cd/Im	1.150
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11019_TINA-WW**

Family	Tina	FWHM	62 degrees
Type	Assembly	Efficiency	91 %
LED	XP-G	cd/Im	0.800
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
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

Tina series

last update 6/11/2015

GENERAL INFORMATION

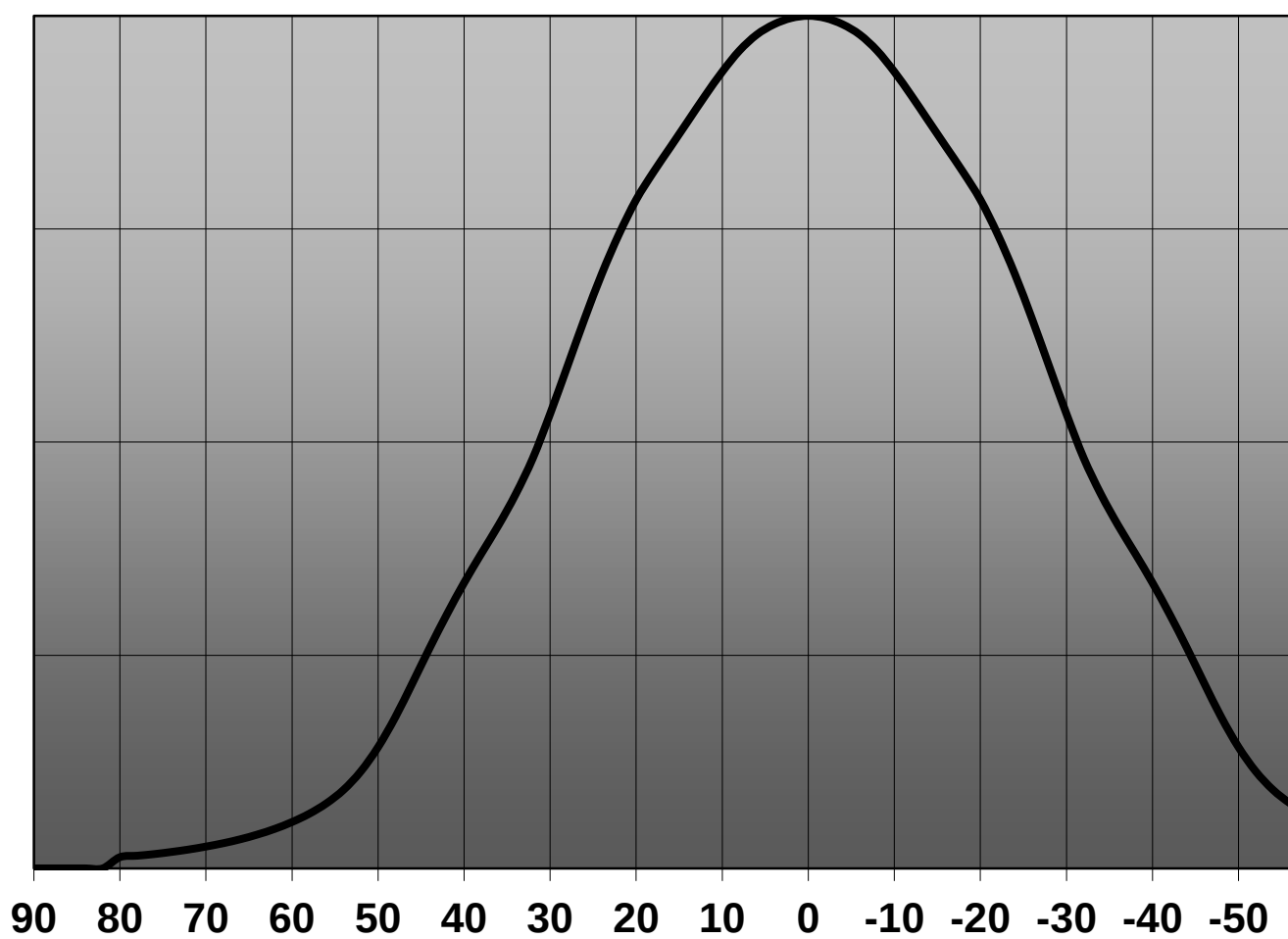
- Product series especially designed & optimized for XP-G series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

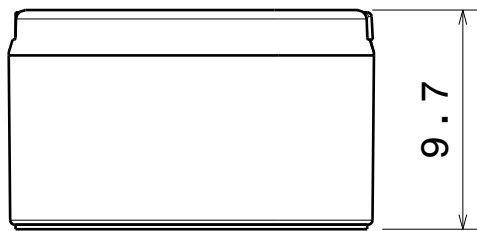
Please find more information about used material from below:

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

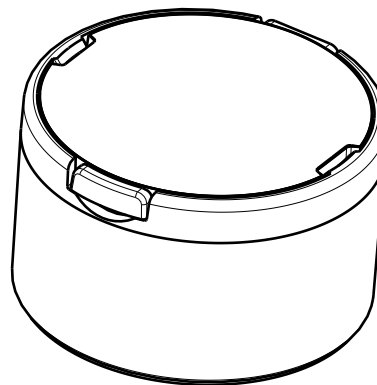
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of FA11019_Tina-WW-WHT (XP

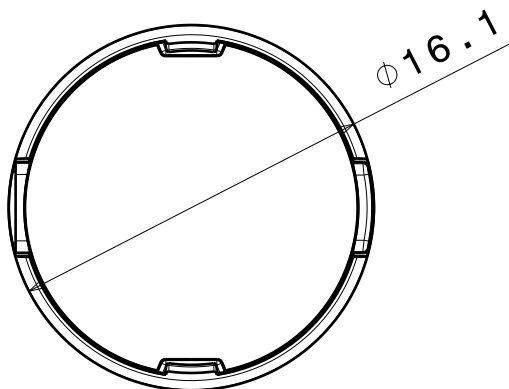




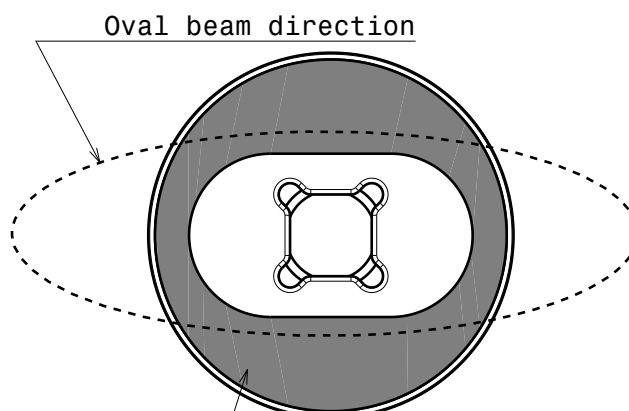
Front view



Isometric view



Top view



PU foam tape 0.4mm

Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	Tina lens	PMMA	
2	-	Tina holder	PC	white

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

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Tina serie datasheet

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

SIZE

A4

PART NUMBER

-

SCALE

1:1

WEIGHT

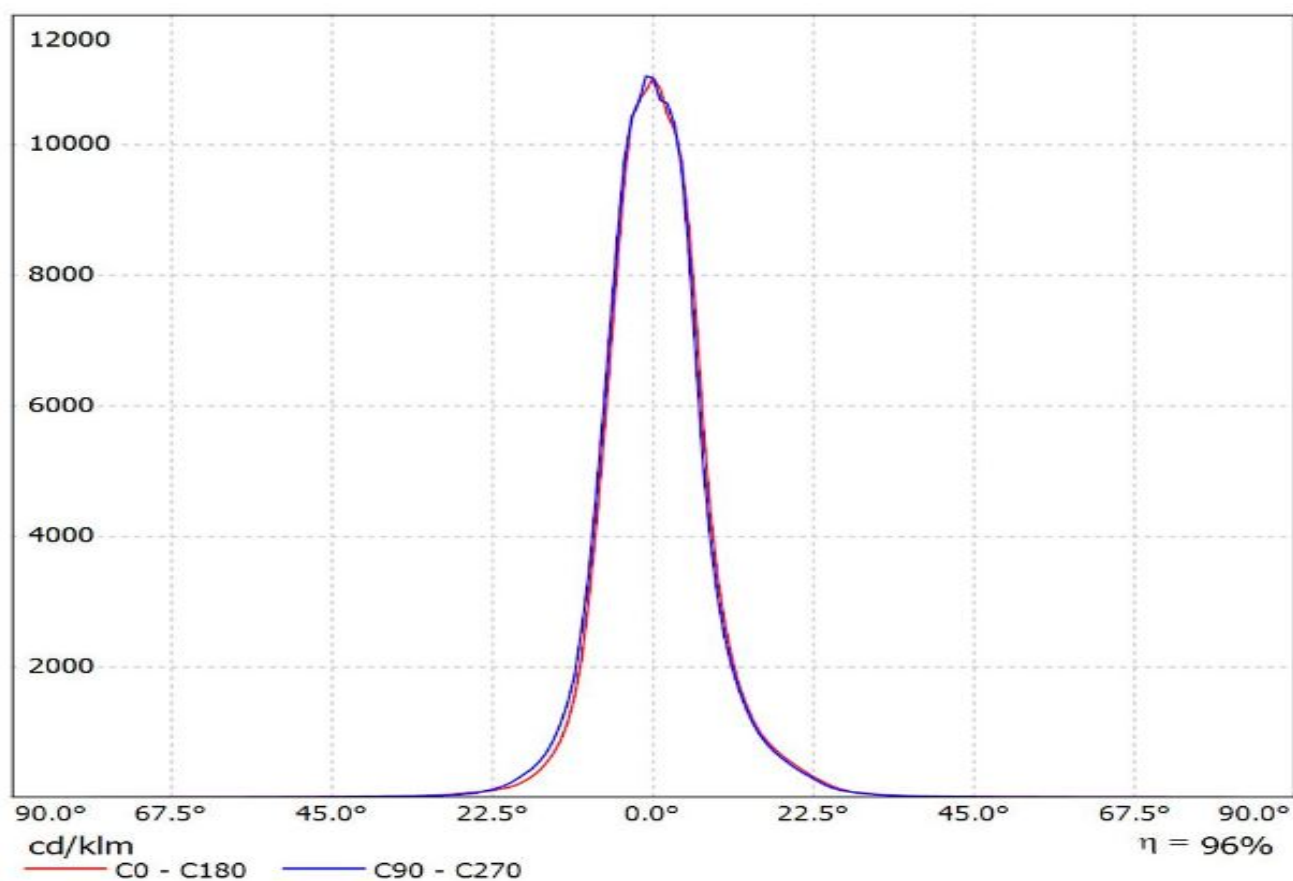
SHEET

1/1

A

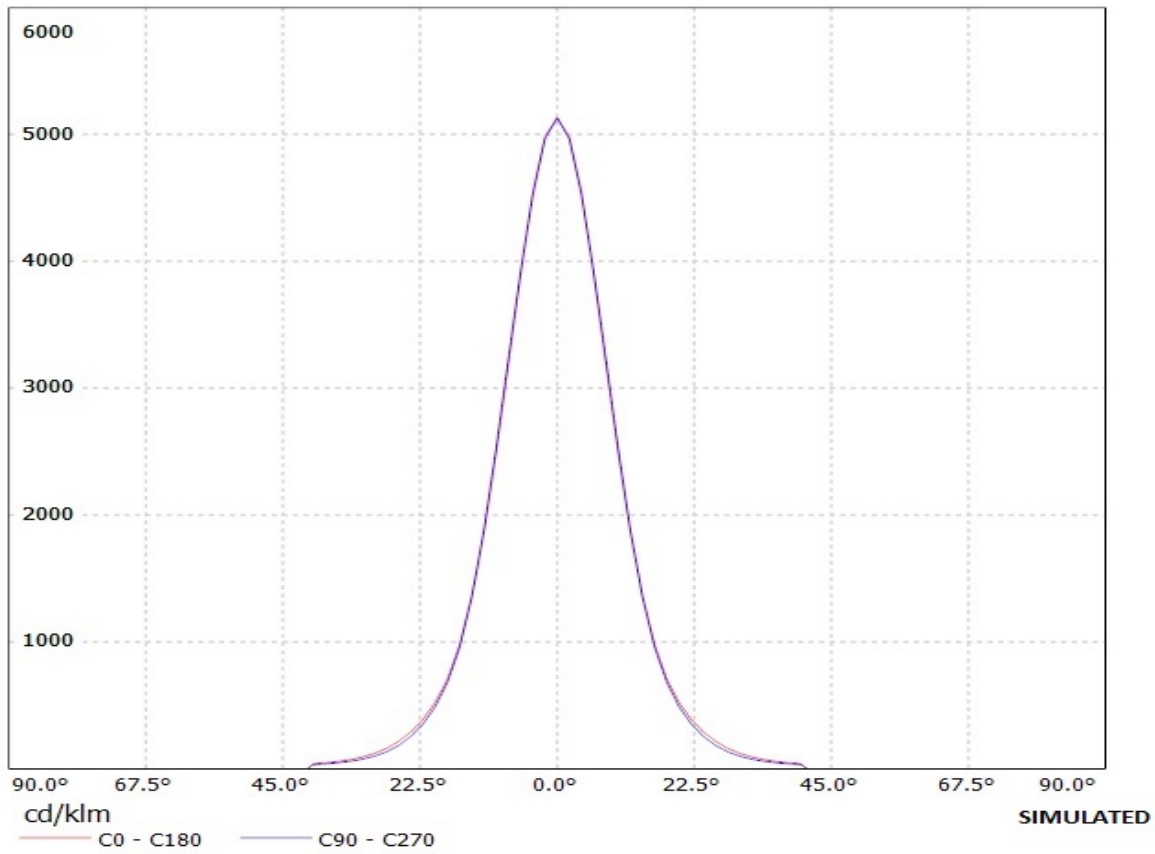
Luminaire: LEDiL Oy FA10887_TINA-RS_(XP-G)

Lamps: 1 x Cree_XP-G_(XPGWHT-L1-CWPI-00BE7)_65.9066lm@250mA_CCT=3061K_P=0.753199W_I=0.25A



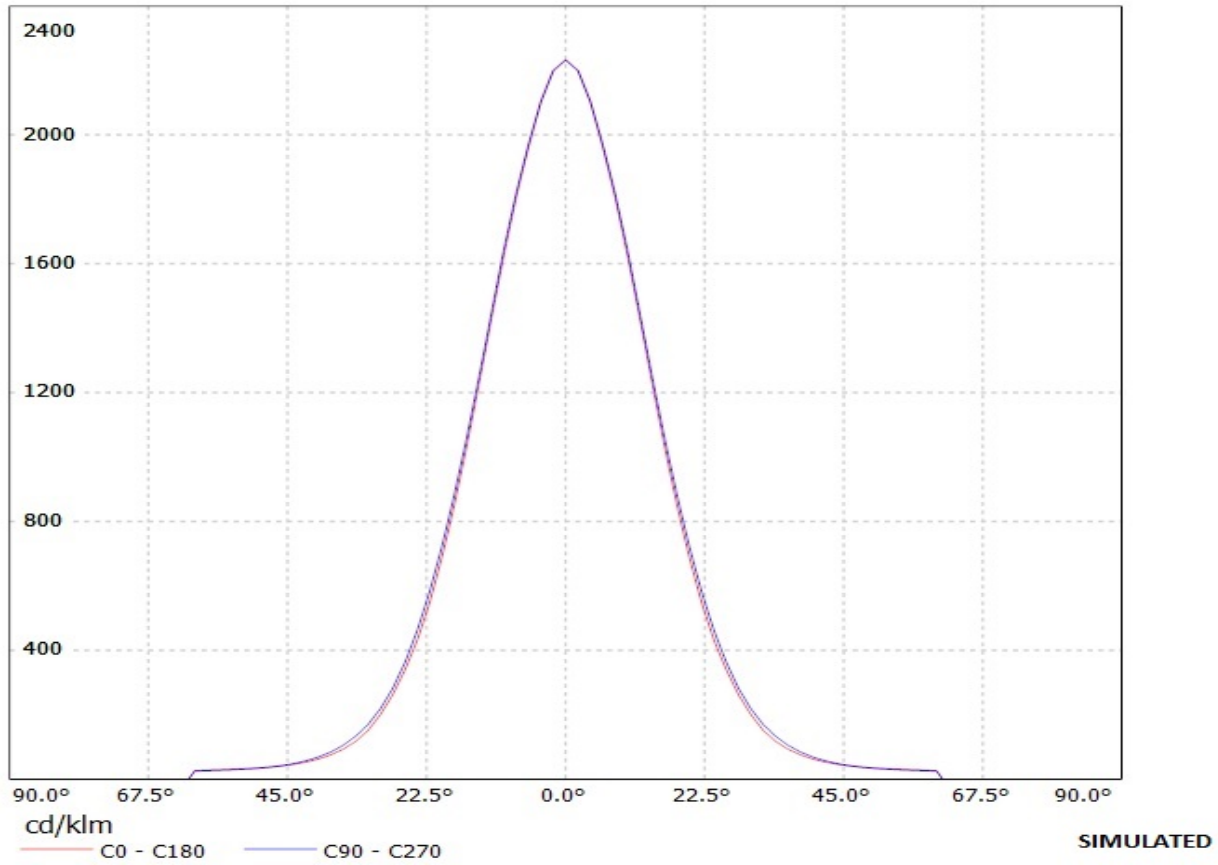
Ledil Oy FA10644_Tina-XP-G-D FA10644_Tina-XP-G-D / LDC (Linear)

Luminaire: Ledil Oy FA10644_Tina-XP-G-D FA10644_Tina-XP-G-D
Lamps: 1 x Cree XP-G (White)



Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M / LDC (Linear)

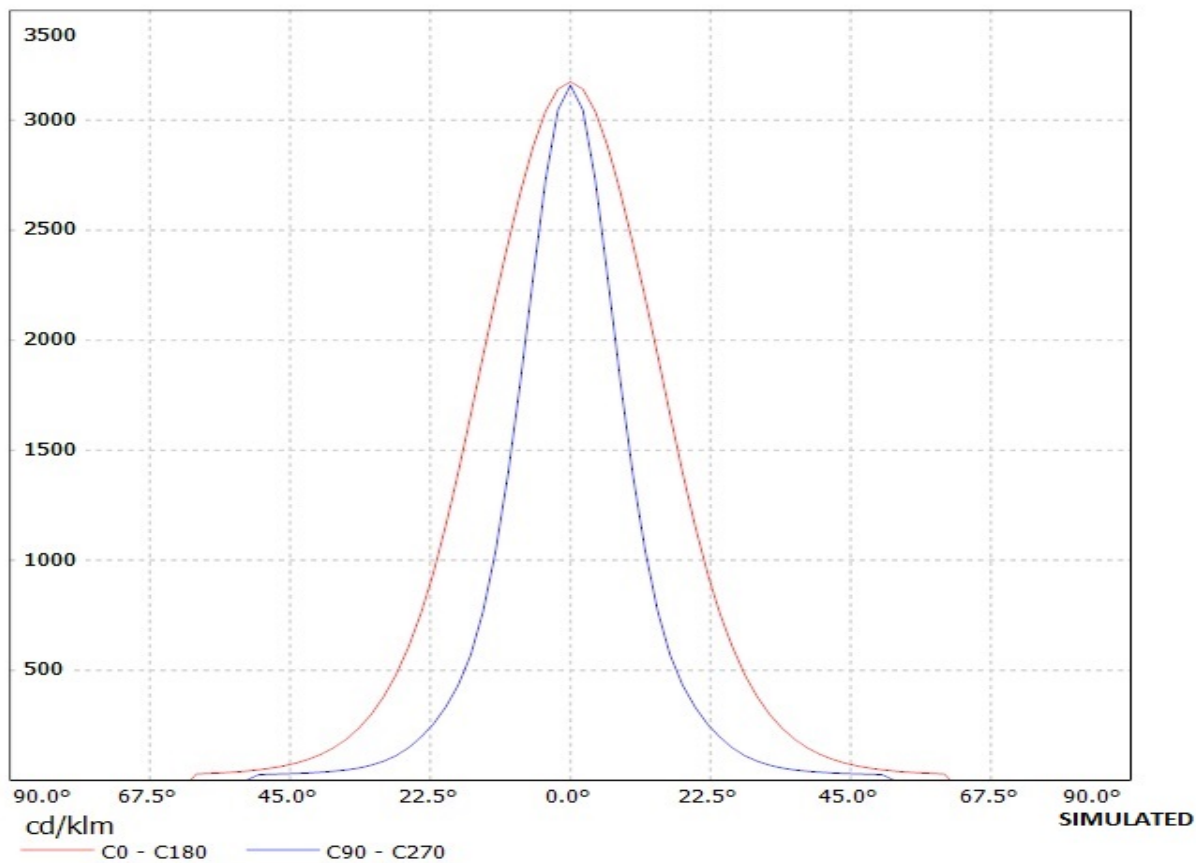
Luminaire: Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M
Lamps: 1 x Cree XP-G (White)



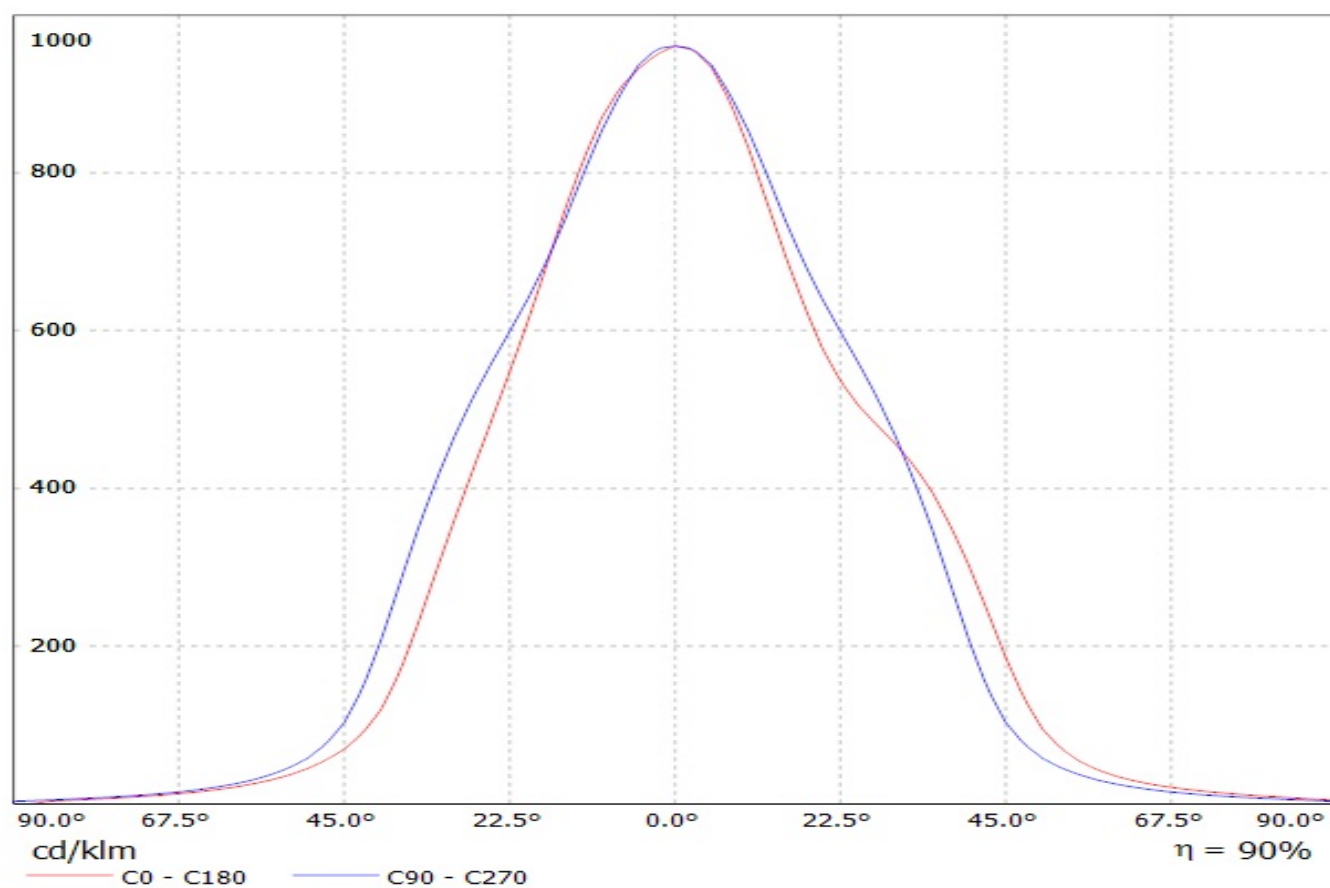
Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O / LDC (Linear)

Luminaire: Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O

Lamps: 1 x Cree XP-G

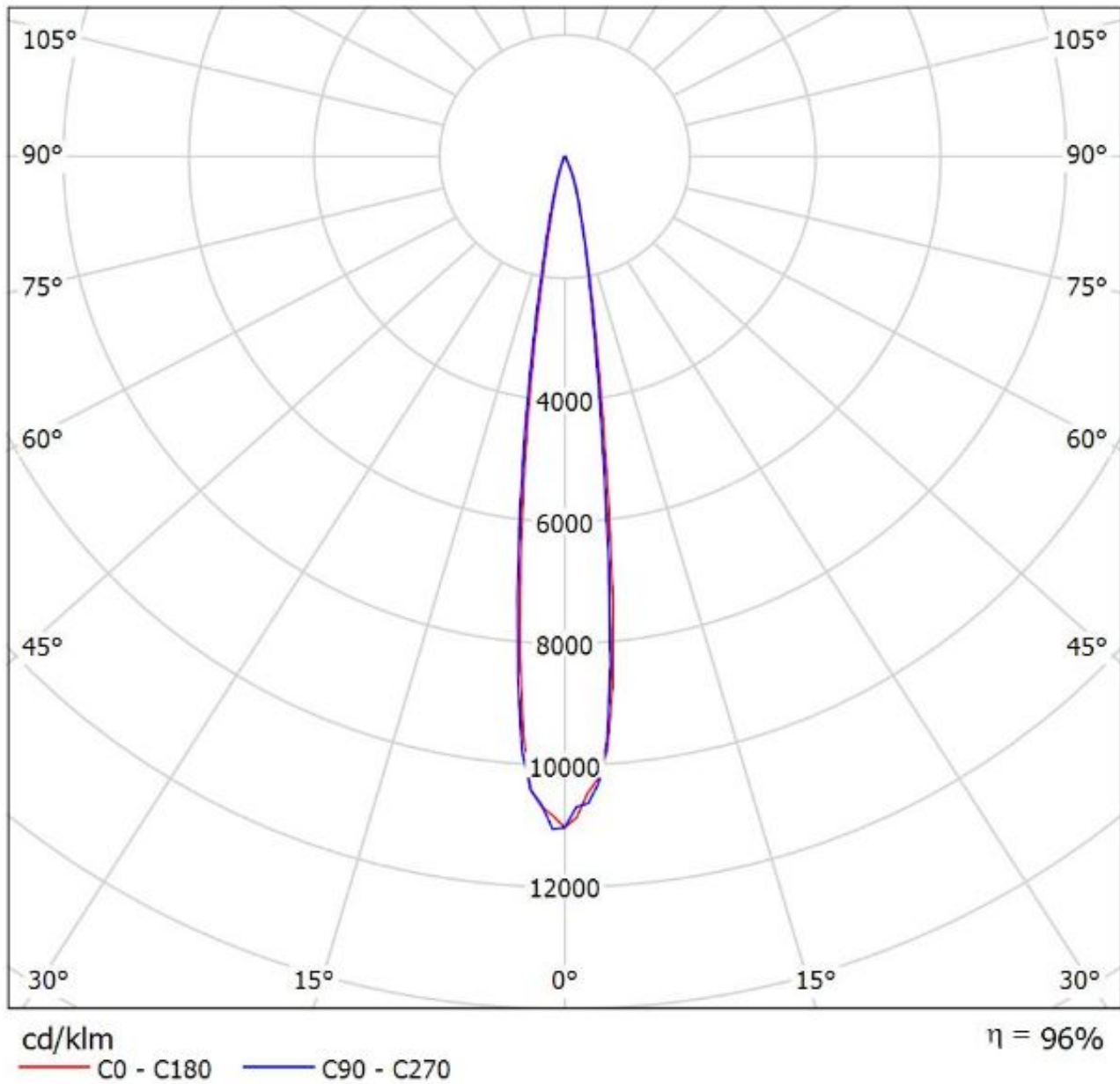


Luminaire: LEDIL OY FA11019_Tina-WW (Cree XP-G) Efficiency=91%
Lamps: 1 x Cree XP-G (92lm@250mA)



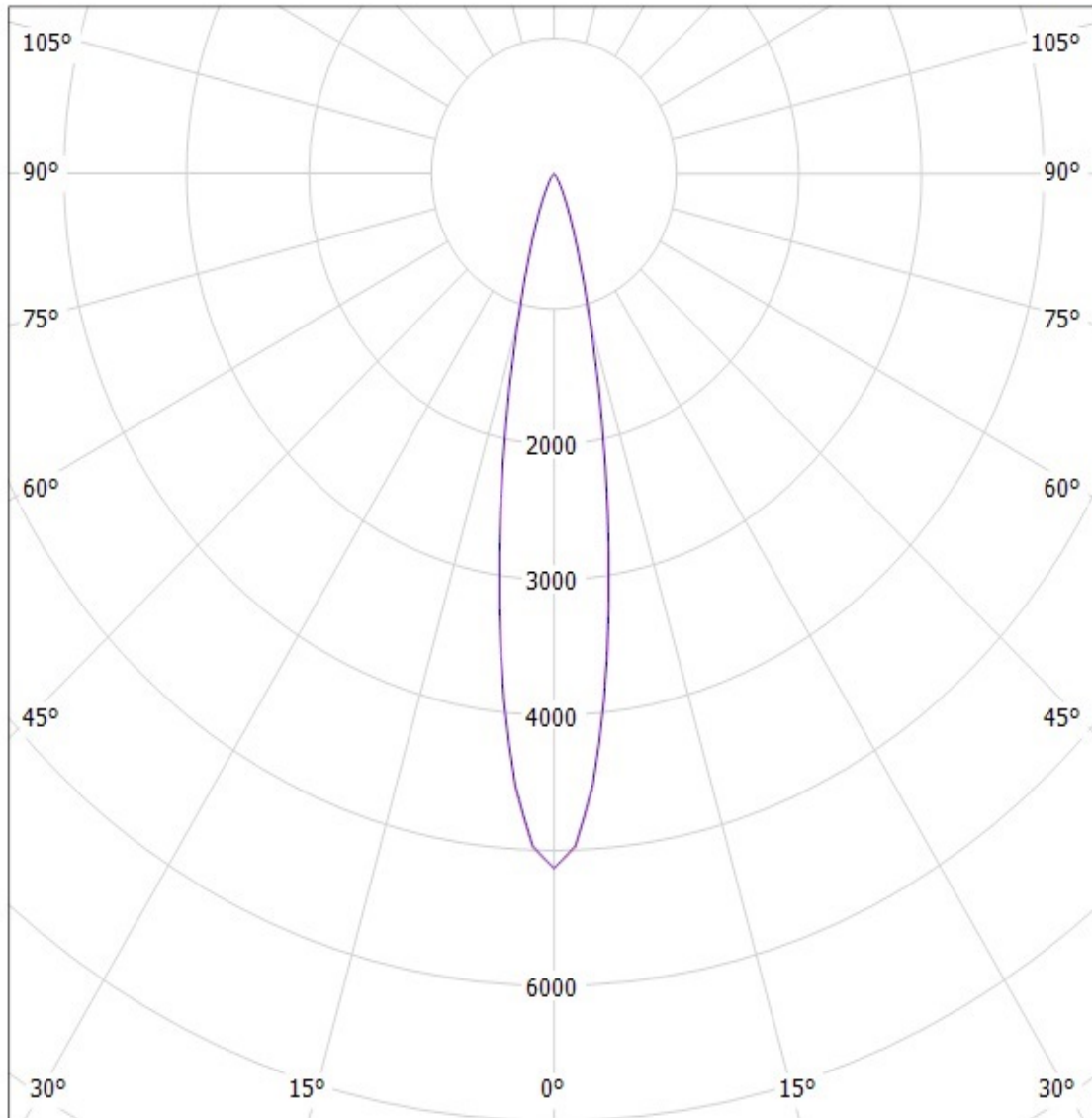
Luminaire: LEDiL Oy FA10887_TINA-RS_(XP-G)

Lamps: 1 x Cree_XP-G_(XPGWHT-L1-CWPI-00BE7)_65.9066lm@250mA_CCT=3061K_P=0.753199W_I=0.25A



Ledil Oy FA10644_Tina-XP-G-D FA10644_Tina-XP-G-D / LDC (Polar)

Luminaire: Ledil Oy FA10644_Tina-XP-G-D FA10644_Tina-XP-G-D
Lamps: 1 x Cree XP-G (White)



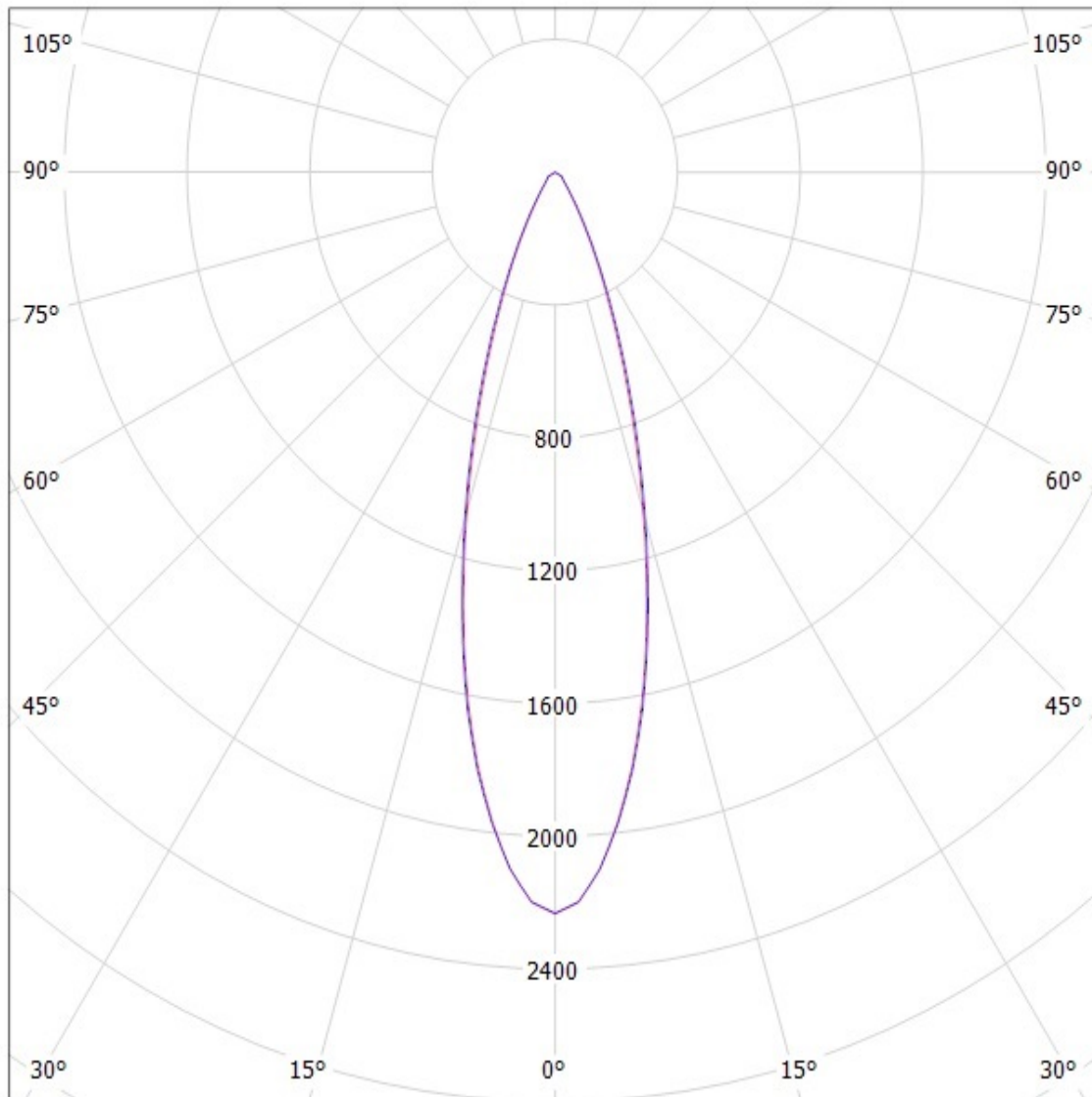
cd/klm

— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M / LDC (Polar)

Luminaire: Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M
Lamps: 1 x Cree XP-G (White)



cd/klm

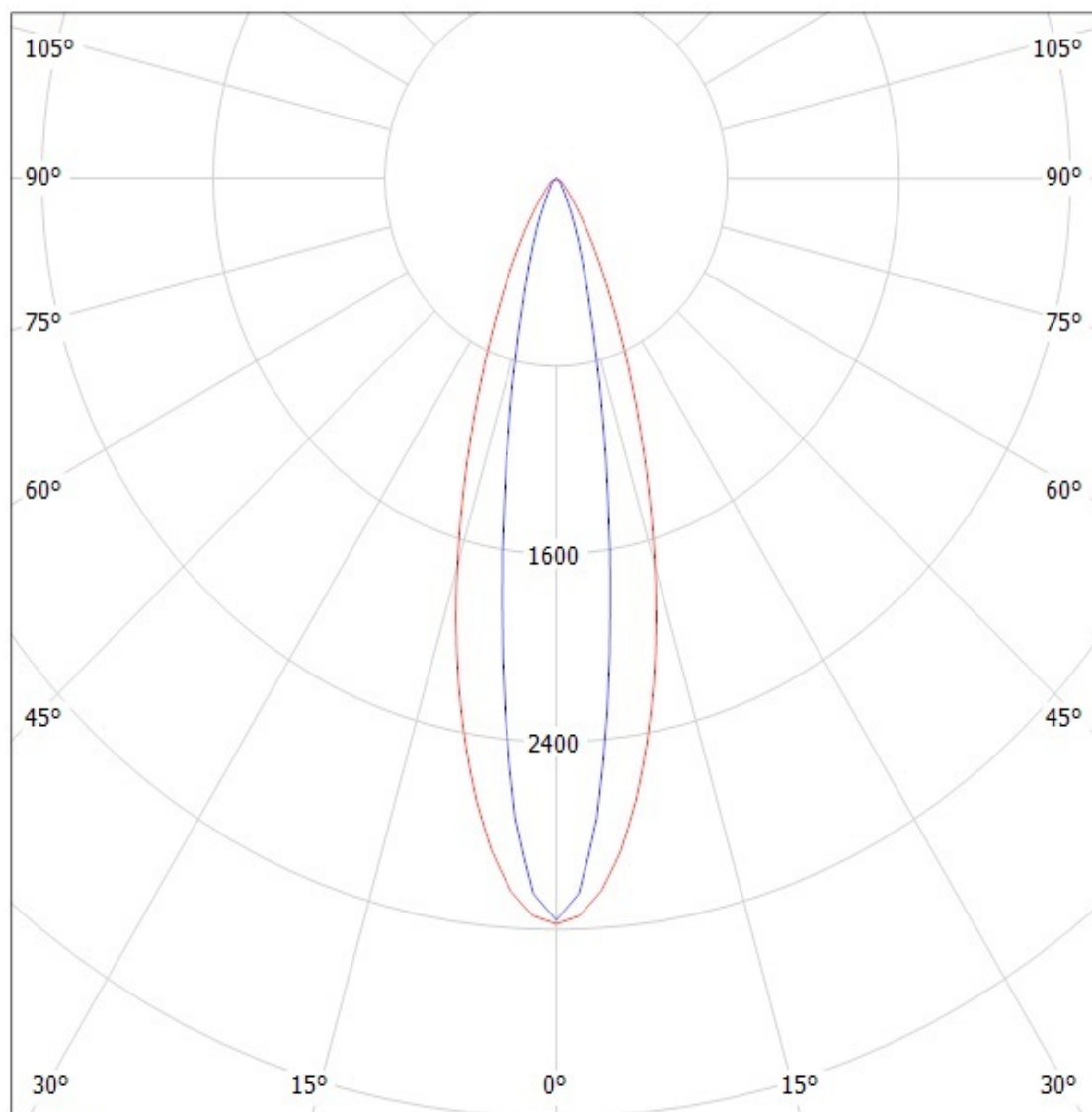
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O / LDC (Polar)

Luminaire: Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O

Lamps: 1 x Cree XP-G



cd/klm

— C0 - C180 — C90 - C270

SIMULATED

Luminaire: LEDIL OY FA11019_Tina-WW (Cree XP-G) Efficiency=91%
Lamps: 1 x Cree XP-G (92lm@250mA)

