PRODUCT DATASHEET
Tina series
last update 6/11/2015

Product number **FA10887_TINA-RS**

Family	Tina	FWHM	15 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	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/lm	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/lm	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/lm	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		

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email: ledil@ledil.com
FAX: +358-2-733 8001

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PRODUCT DATASHEET
Tina series
last update 6/11/2015

Product number	**FA10838_TINA-W**
Family	Tina
Type	Assembly
LED	XP-G
Color	White
Diameter	16.1 mm
Height	9.7 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["tape"]
Status	Production ready
FWHM	51 degrees
Efficiency	92 %
cd/lm	1.150
Gerber File	Available

Product number	**FA11019_TINA-WW**
Family	Tina
Type	Assembly
LED	XP-G
Color	White
Diameter	16.1 mm
Height	9.7 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["tape"]
Status	Production ready
FWHM	62 degrees
Efficiency	91 %
cd/lm	0.800
Gerber File	Available

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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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%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

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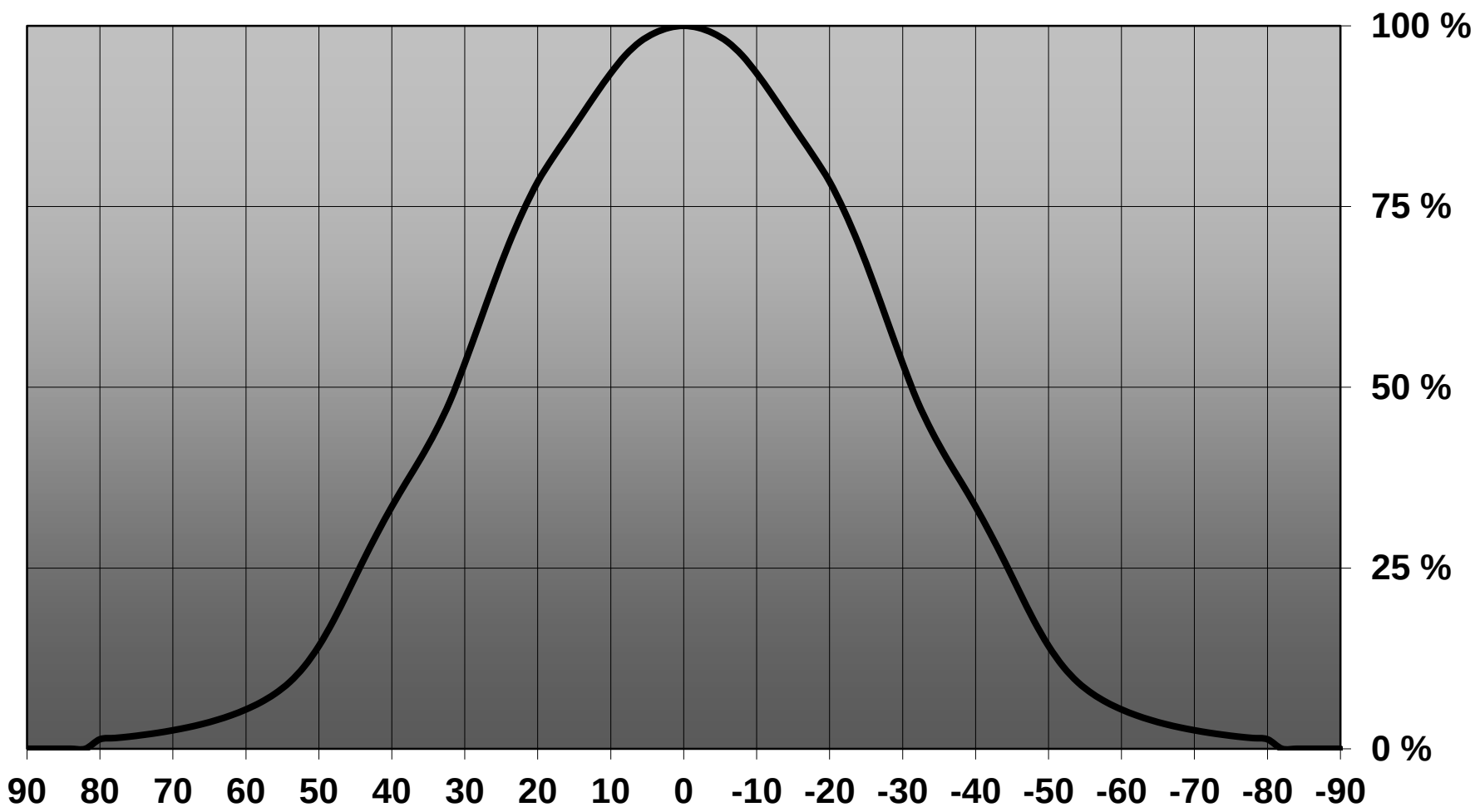
Relative intensity of FA11019_Tina-WW-WHT (XP-G)



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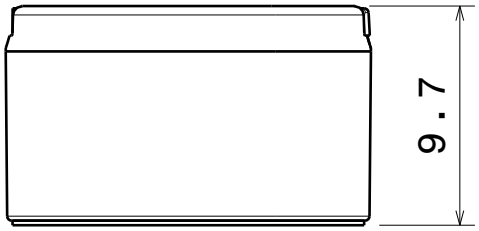
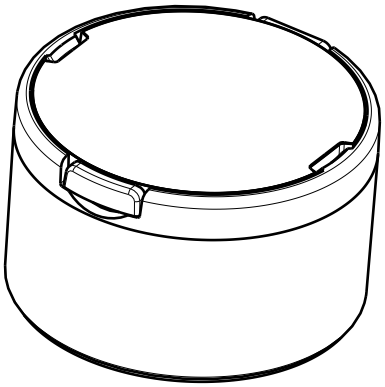
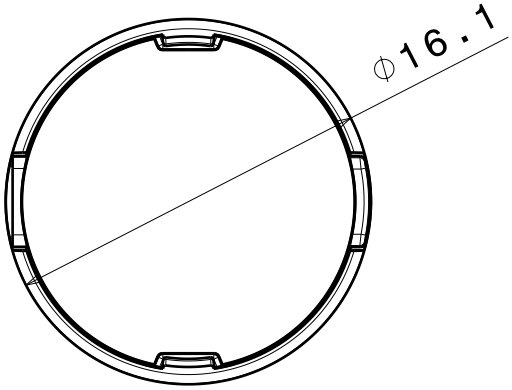


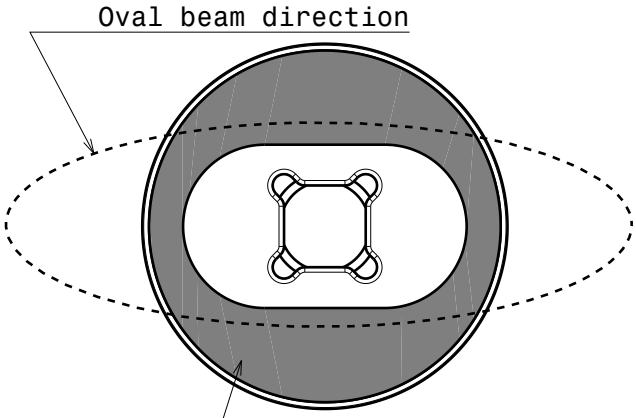
Front view



Isometric view



Top view



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

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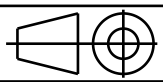
THIRD ANGLE PROJECTION:



DRAWING TITLE

Tina serie datasheet

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SIZE A4

PART NUMBER -

SCALE 1:1 WEIGHT SHEET 1/1

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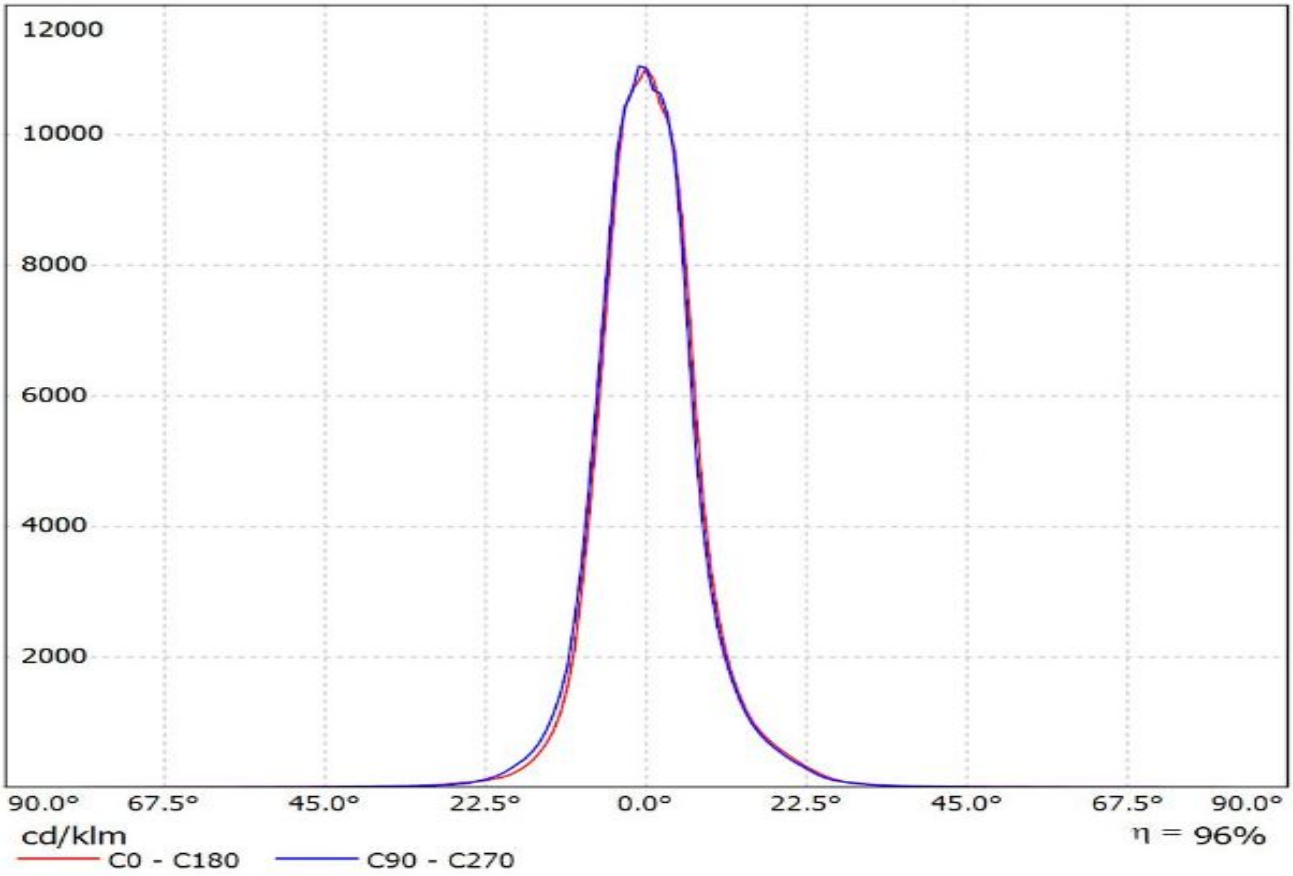
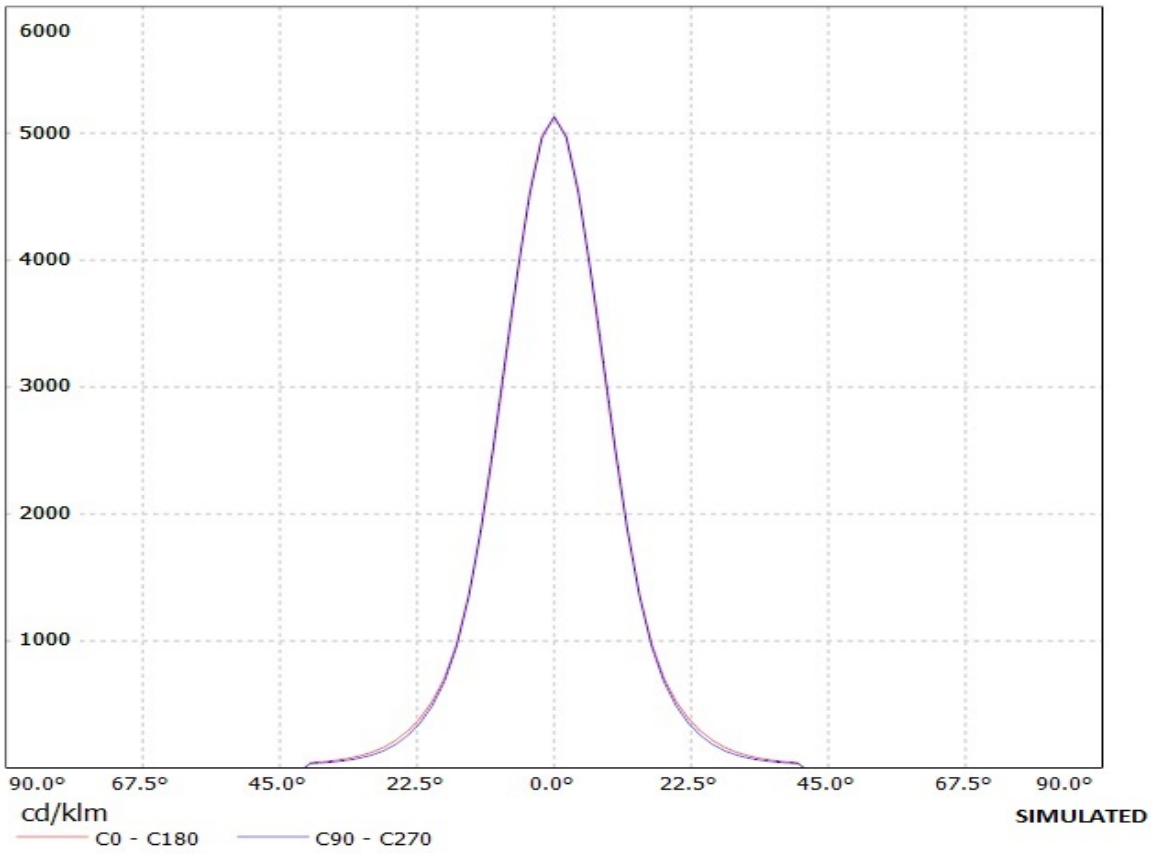
Luminaire: LEDiL Oy FA10887_TINA-RS_(XP-G)
Lamps: 1 x Cree_XP-G_(XPGWHT-L1-CWPI-00BE7)_65.9066lm@250mA_CCT=3061K_P=0.753199W_I=0.25A



Downloaded from Arrow.com.

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



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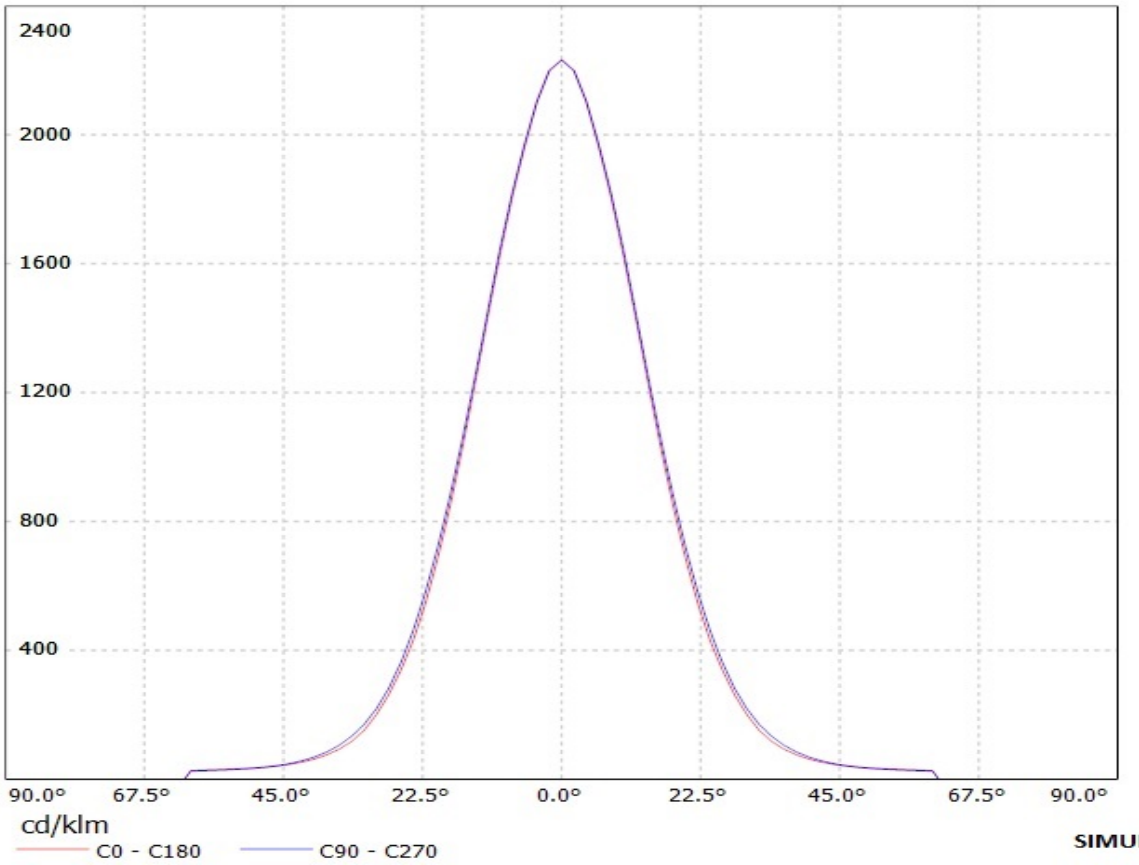
Luminaire: Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M
Lamps: 1 x Cree XP-G (White)



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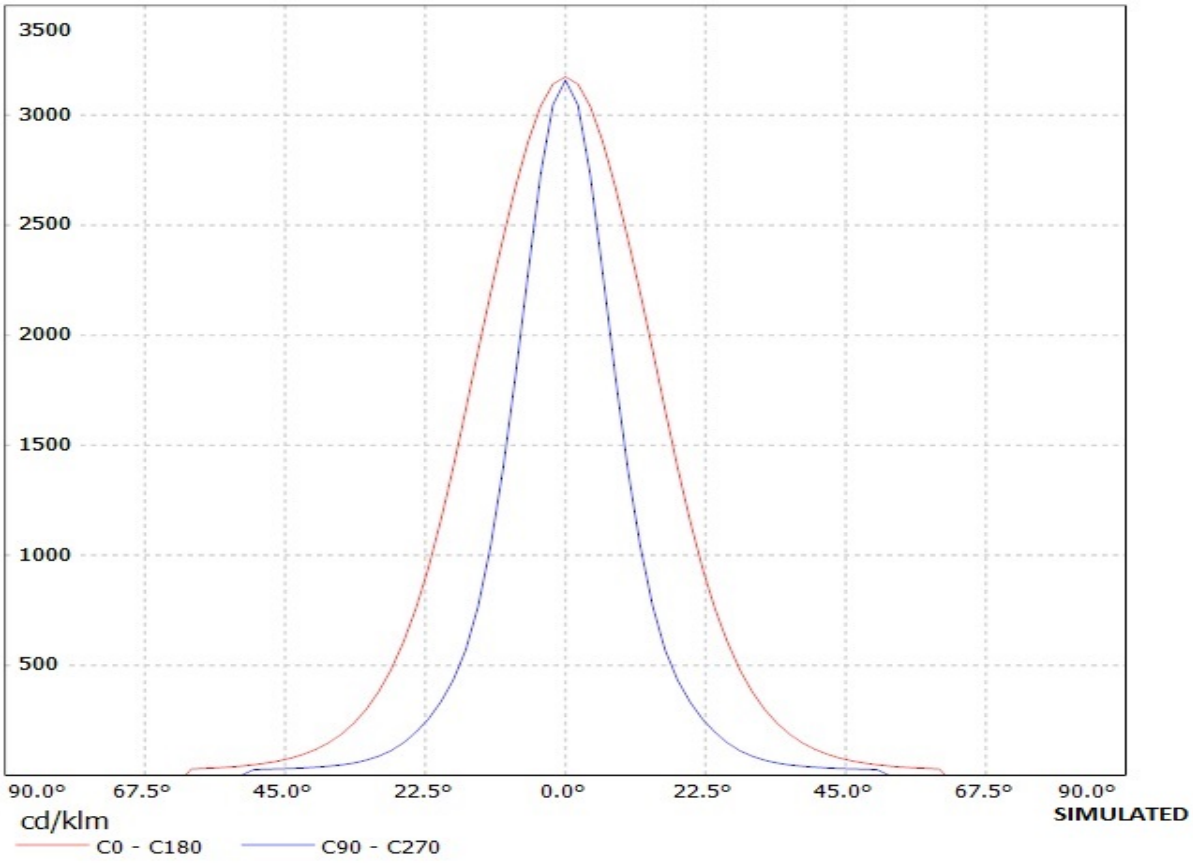
Luminaire: Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O
Lamps: 1 x Cree XP-G



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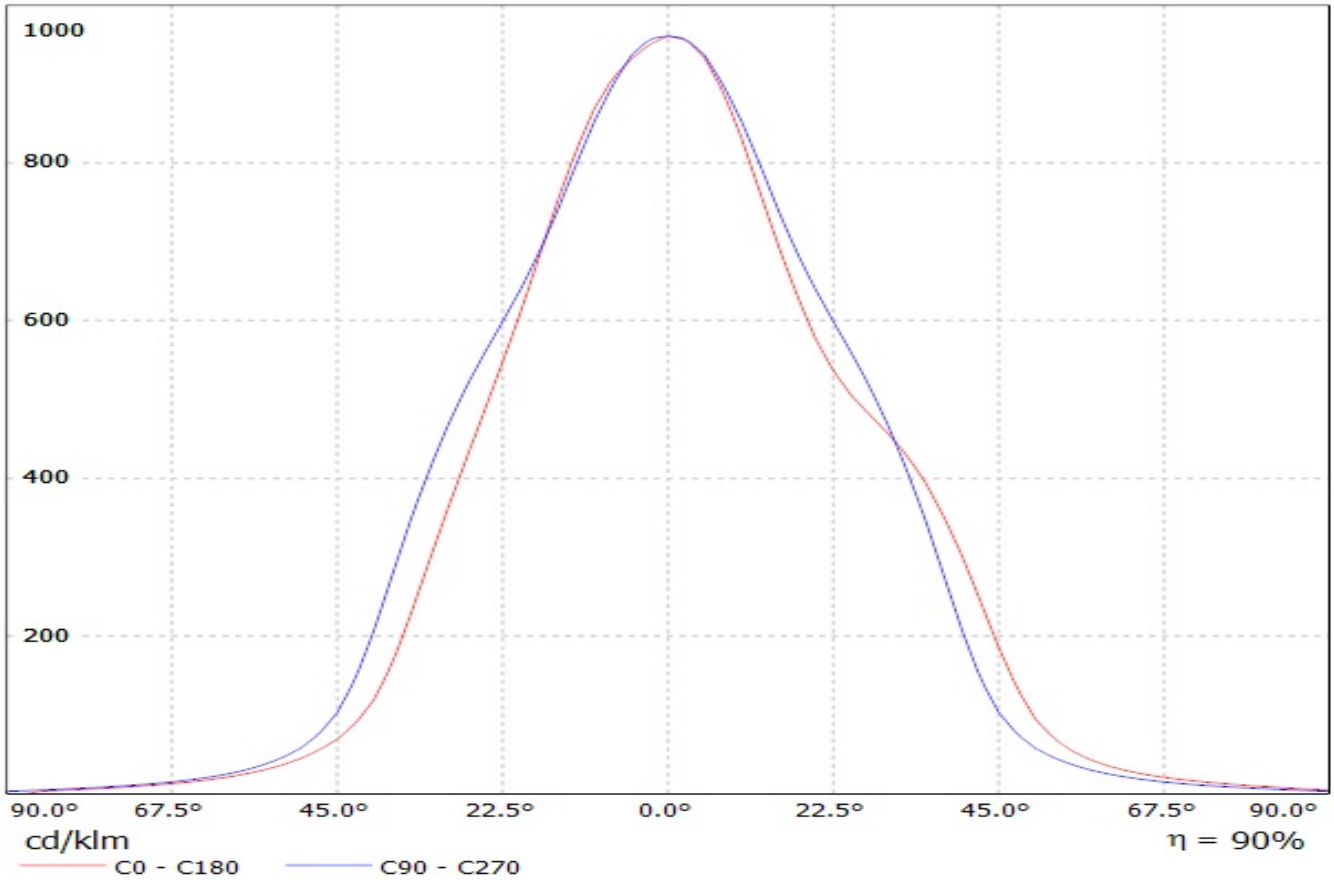
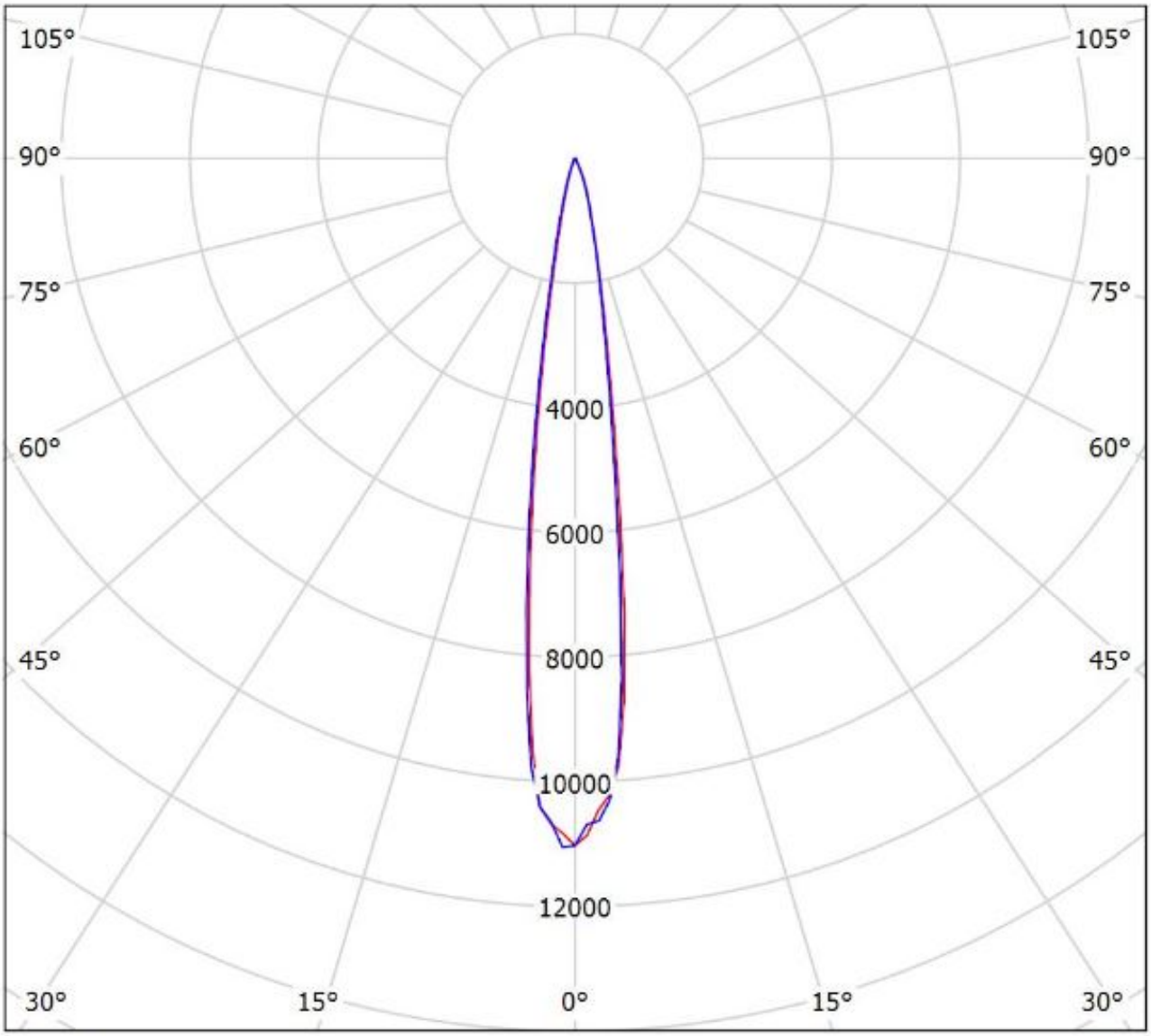
Luminaire: LEDIL OY FA11019_Tina-WW (Cree XP-G) Efficiency=91%
Lamps: 1 x Cree XP-G (92lm@250mA)



Downloaded from Arrow.com.

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



cd/klm
η = 96%
C0 - C180
C90 - C270

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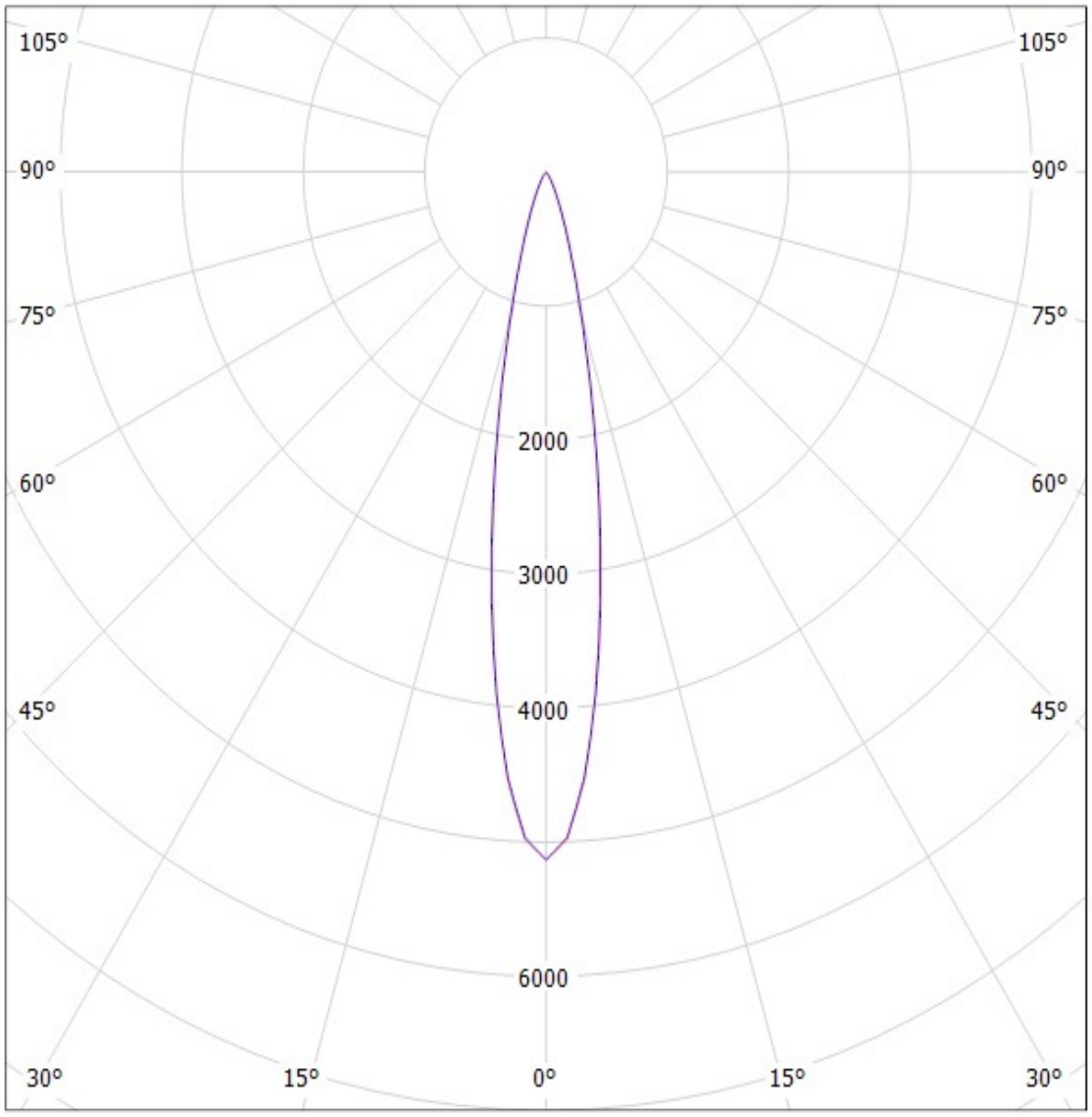
Luminaire: Ledil Oy FA10644_Tina-XP-G-D FA10644_Tina-XP-G-D
Lamps: 1 x Cree XP-G (White)



cd/klm

C0 - C180 C90 - C270

SIMULATED

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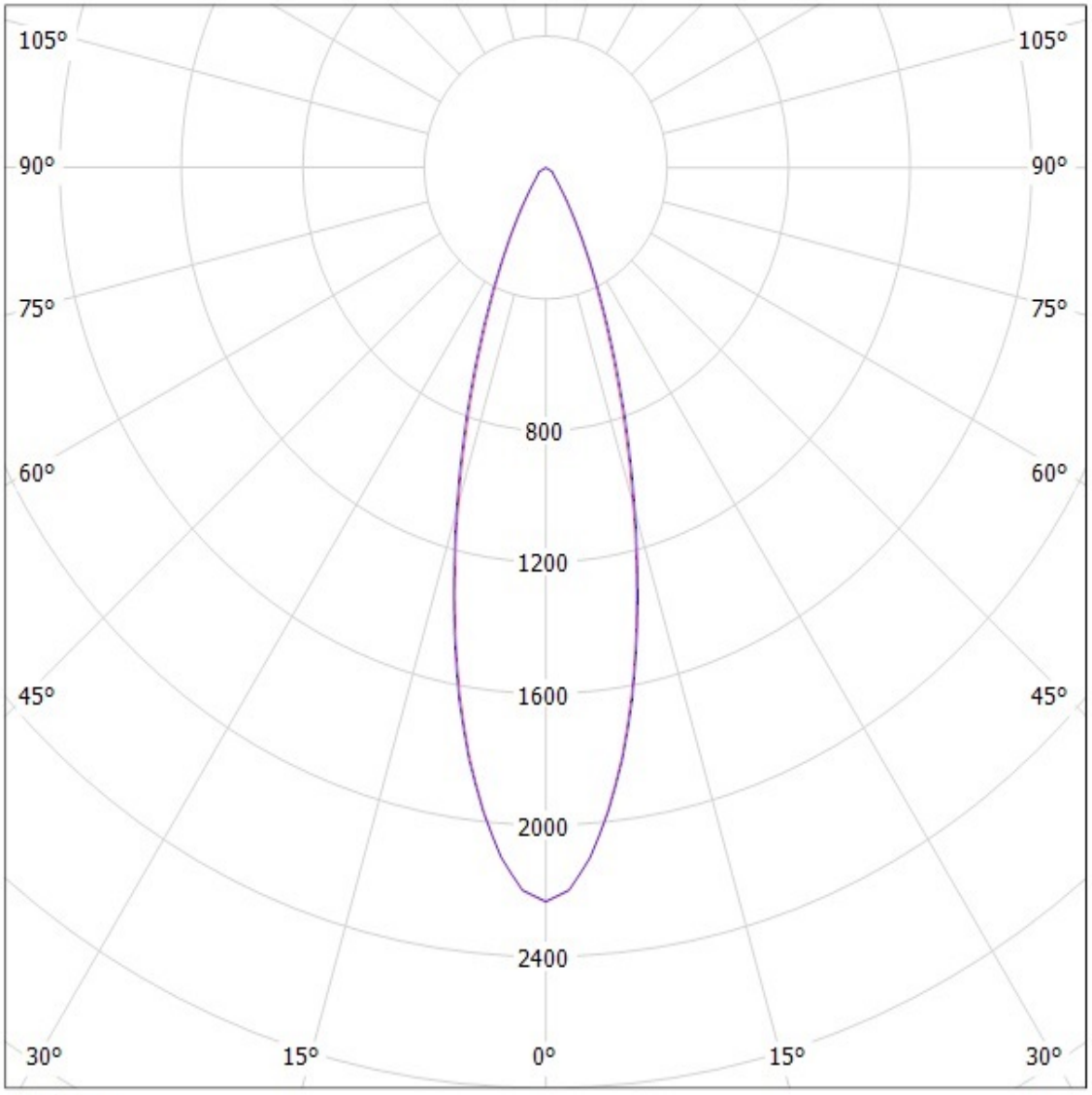
Luminaire: Ledil Oy FA10645_Tina-XP-G-M FA10645_Tina-XP-G-M
Lamps: 1 x Cree XP-G (White)



cd/klm

C0 - C180 C90 - C270

SIMULATED

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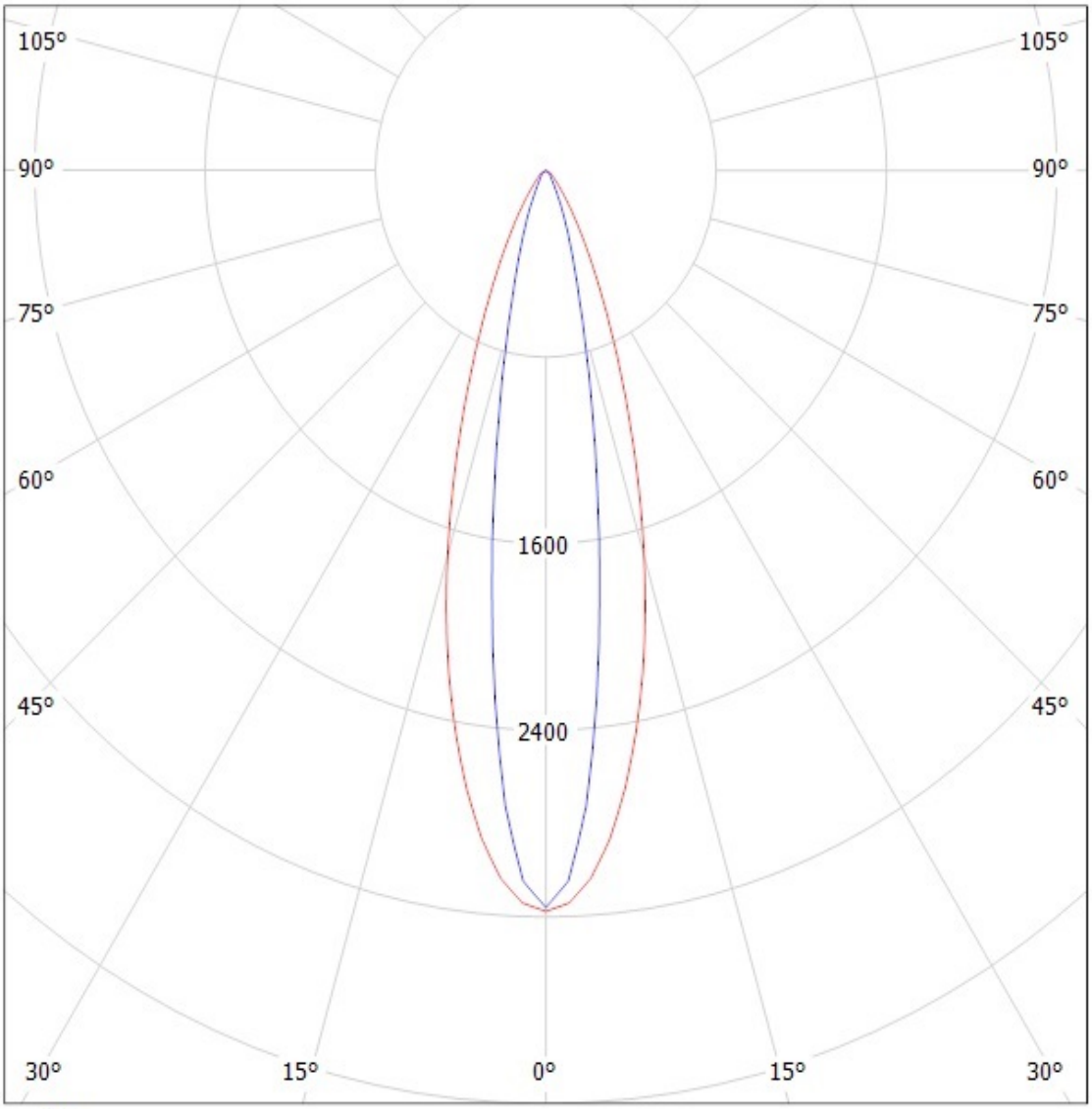
Luminaire: Ledil Oy FA11200_Tina-XP-G-O FA11200_Tina-XP-G-O
Lamps: 1 x Cree XP-G



cd/klm

C0 - C180 C90 - C270

SIMULATED

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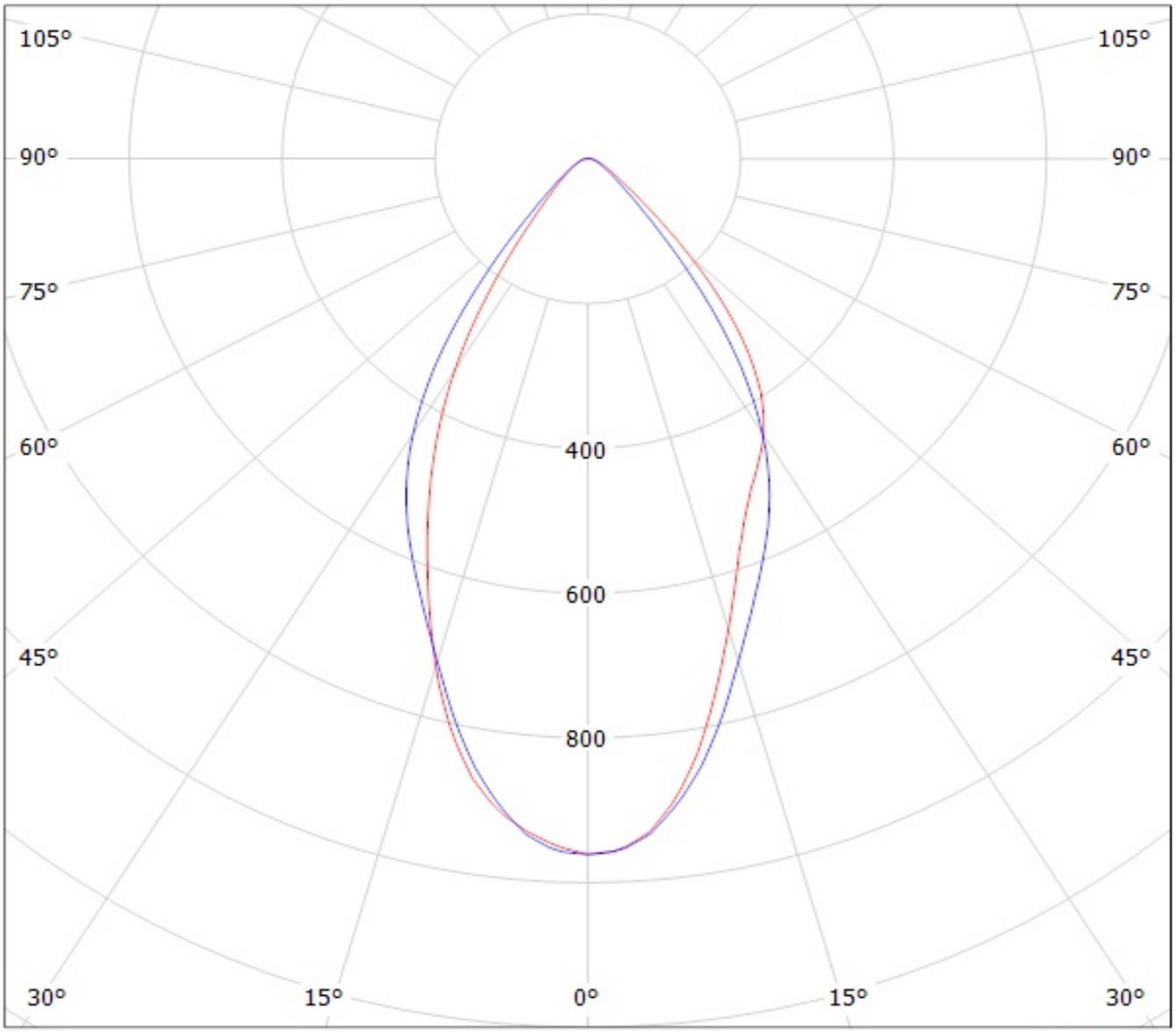
Luminaire: LEDIL OY FA11019_Tina-WW (Cree XP-G) Efficiency=91%
Lamps: 1 x Cree XP-G (92lm@250mA)



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