PRODUCT DATASHEET
Tina series
last update 13/9/2013

DETAILS

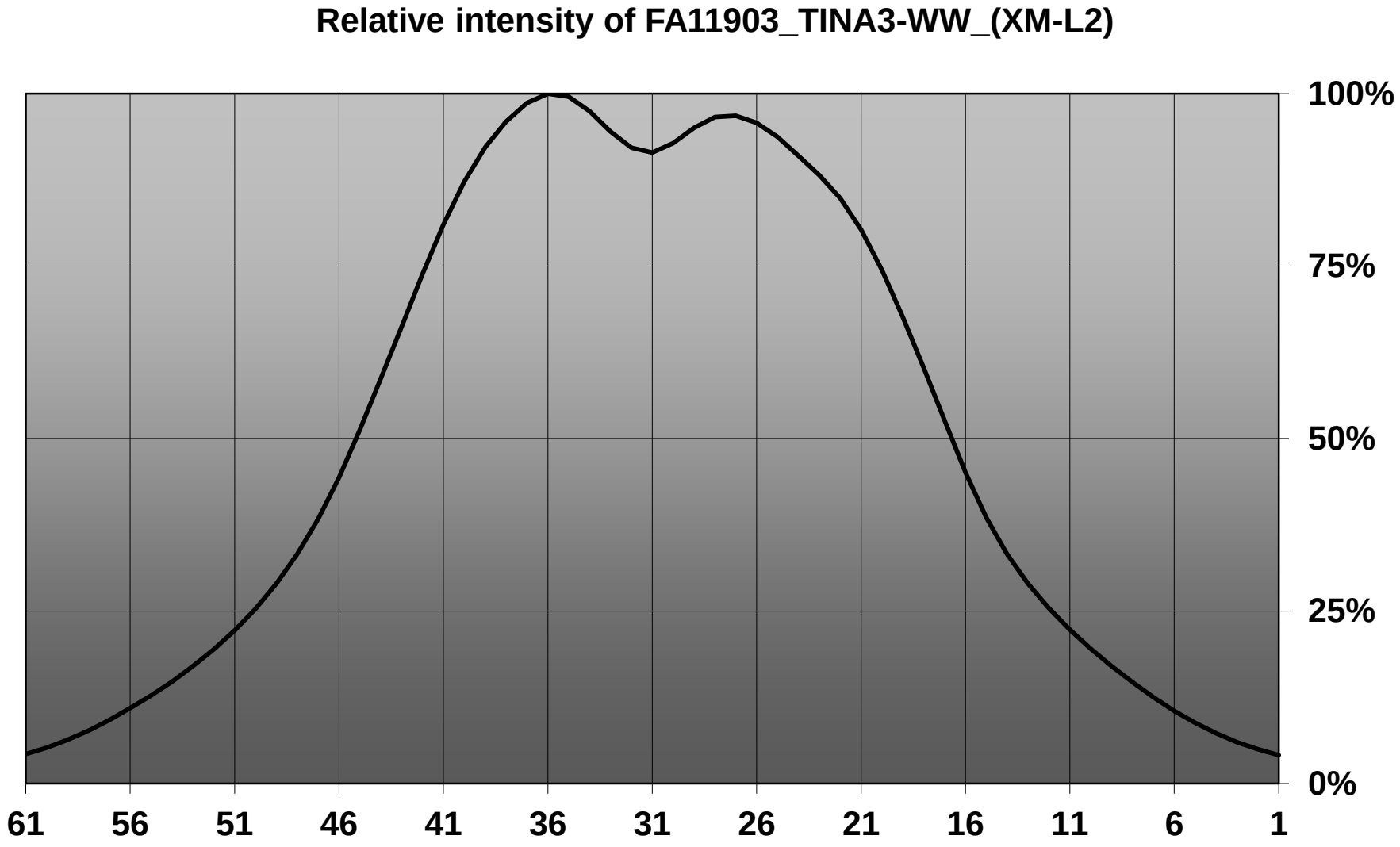
Product Number	FA11903_TINA3-WW
Family	Tina
Type	Assembly
Color	white
Diameter	16,1 mm
Height	7,1 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, tape
Status	production ready
ROHS Comliant	Yes
Date Updated	13/09/2013

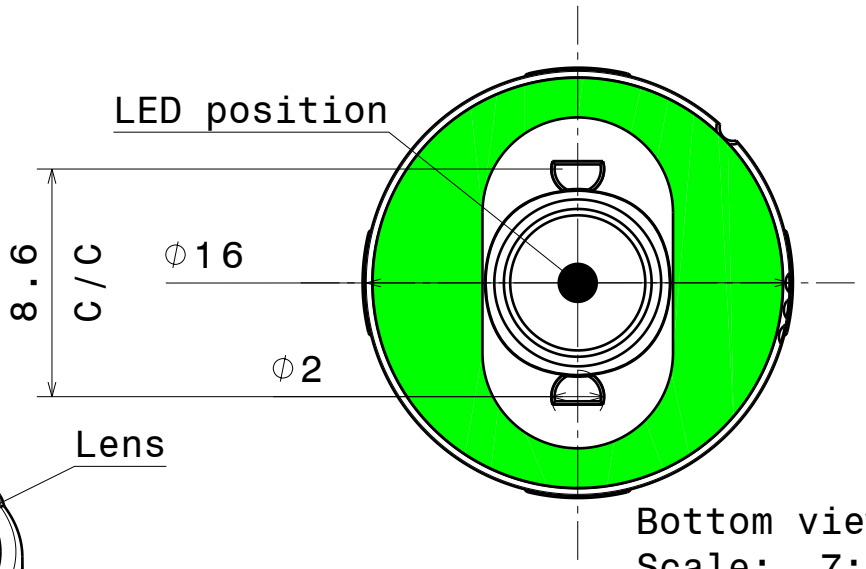
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	56 deg	Very Wide	89 %	0.850	-
XM-L HVW	sim: 62	Very Wide	90 %	-	-
XT-E	46 deg	Very Wide	92 %	1.200	-
XM-L2	56 deg	Very Wide	89 %	-	-
XP-L	53 deg	Very Wide	91 %	0.900	-
XP-L HI	54 deg	Very Wide	91 %	0.990	-
NS9x383	65 deg	Very Wide	90 %	0.740	-

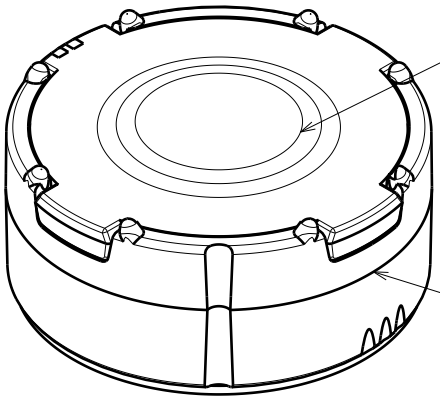
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

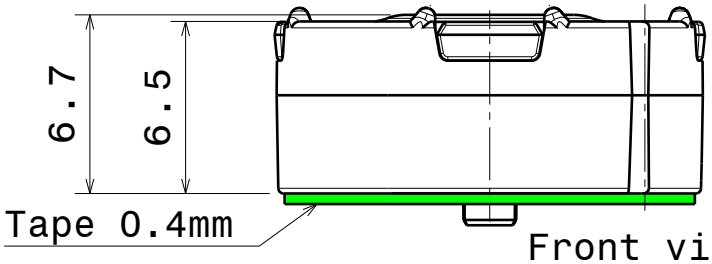

Relative intensity of FA11903_TINA3-WW_(XM-L2)
100%
75%
50%
25%
0%
61
56
51
46
41
36
31
26
21
16
11
6
1



Bottom view
Scale: 7:2



Isometric view
Scale: 7:2



Front view
Scale: 7:2

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 Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

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

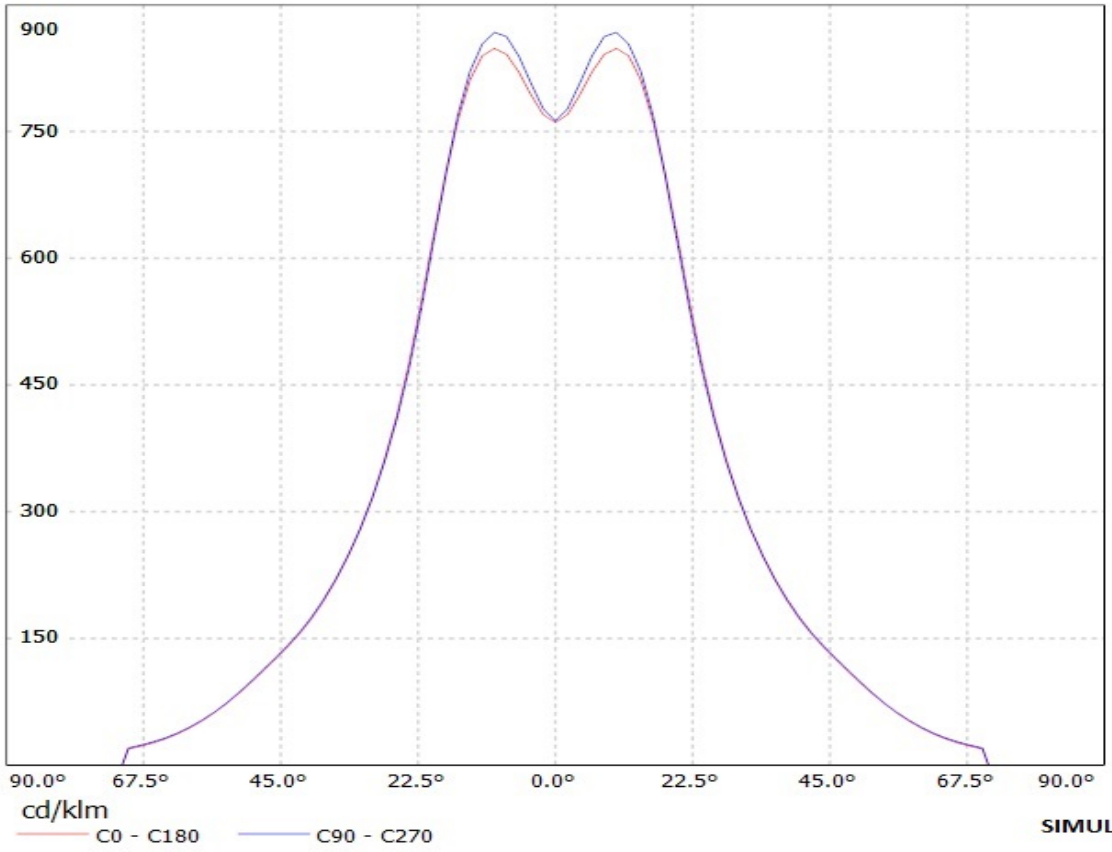
DRAWING TITLE
FA11903_TINA3-WW

SIZE	PART NUMBER
A4	FA11903

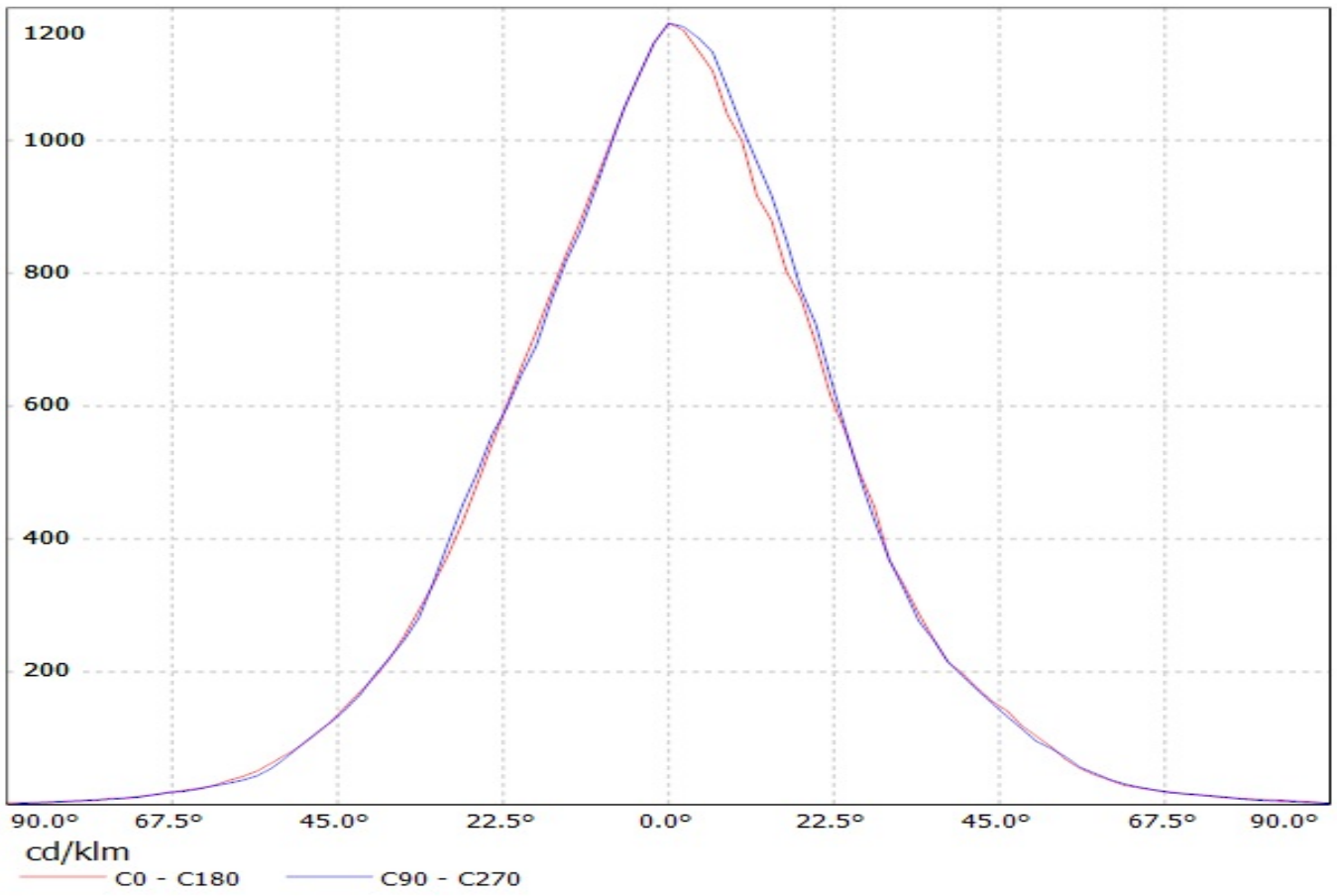
SCALE	WEIGHT		SHEET
7:2	-		1/1

Ledil Oy FA11903_Tina3-WW-XM FA11903_Tina3-WW-XM LOR=89% / LDC (Linear)

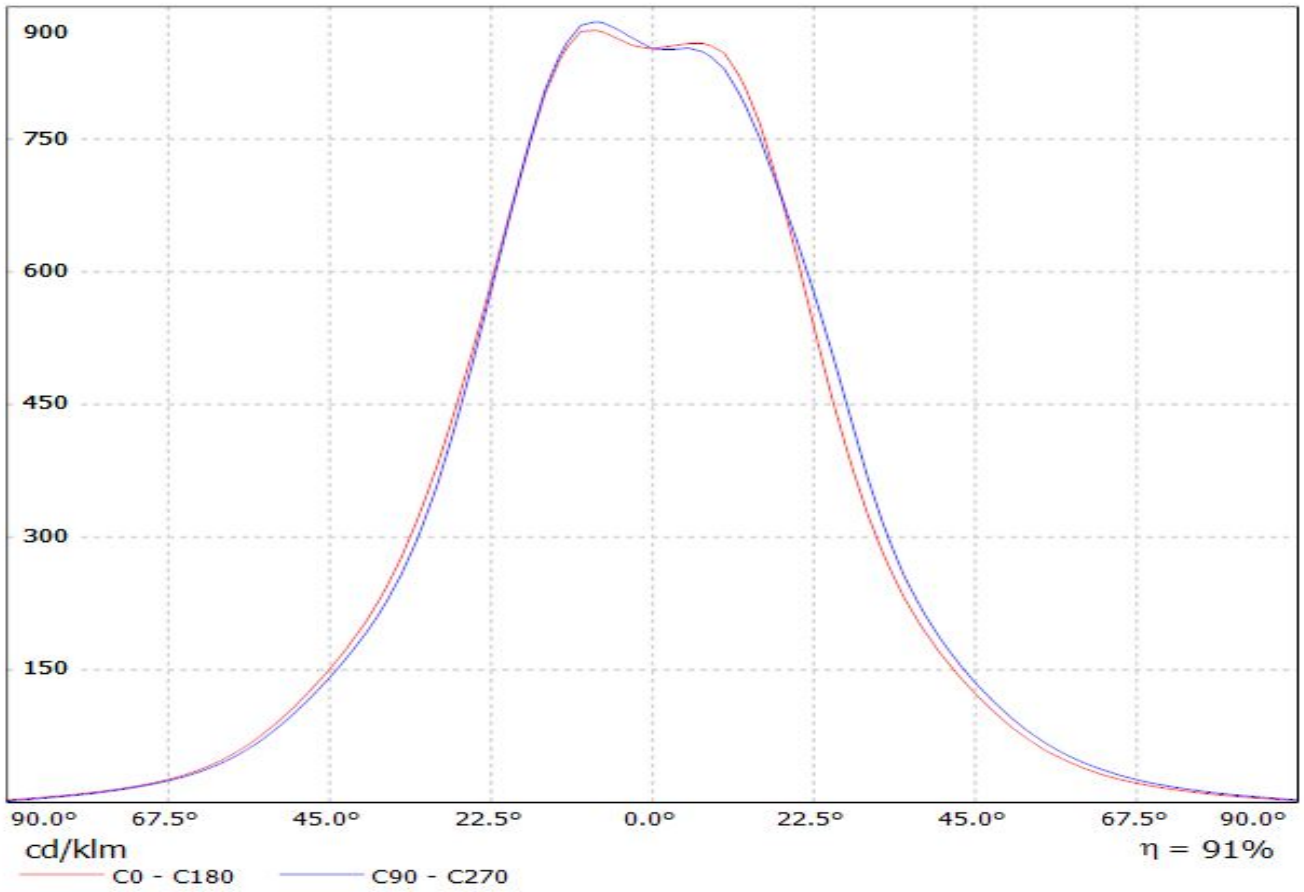
Luminaire: Ledil Oy FA11903_Tina3-WW-XM FA11903_Tina3-WW-XM LOR=89%
Lamps: 1 x Cree XM-L



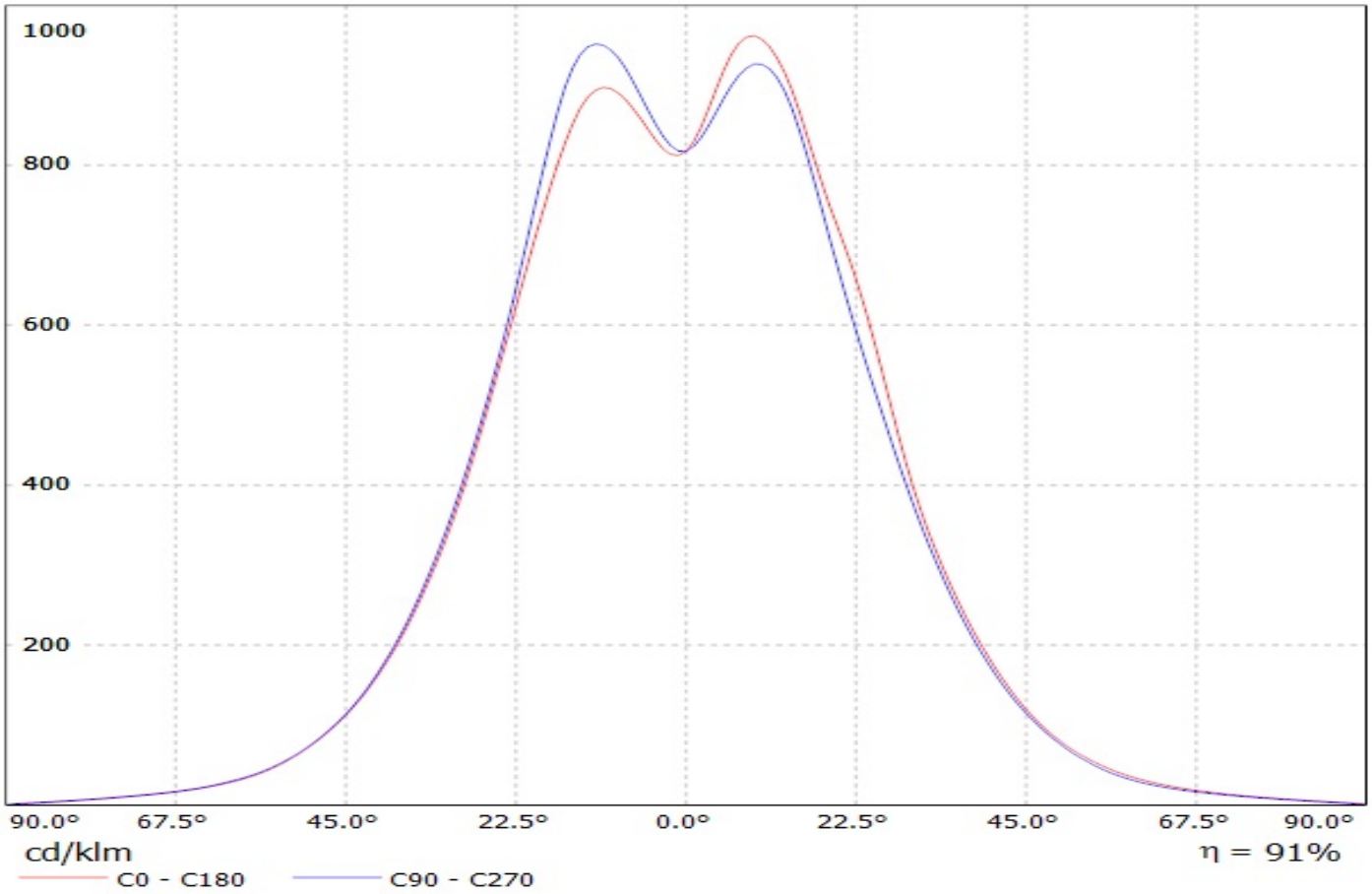
Luminaire: Ledil Oy FA11903_TINA3-WW (Cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA



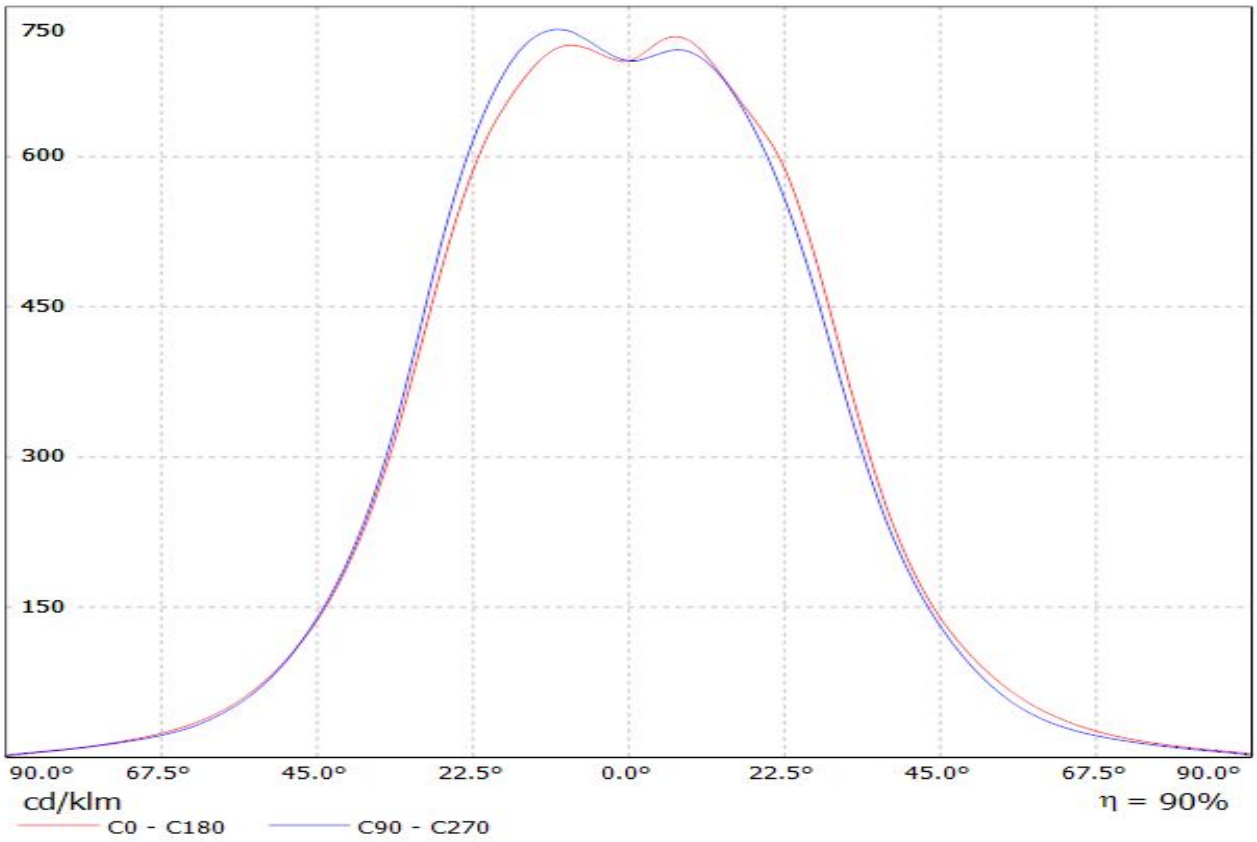
Luminaire: LEDiL Oy FA11903_TINA3-WW_(XP-L) Eff.90.7%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



Luminaire: LEDiL Oy FA11903_TINA3-WW_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_113.703lm@250mA_P=0.743328W_I=0.2499A

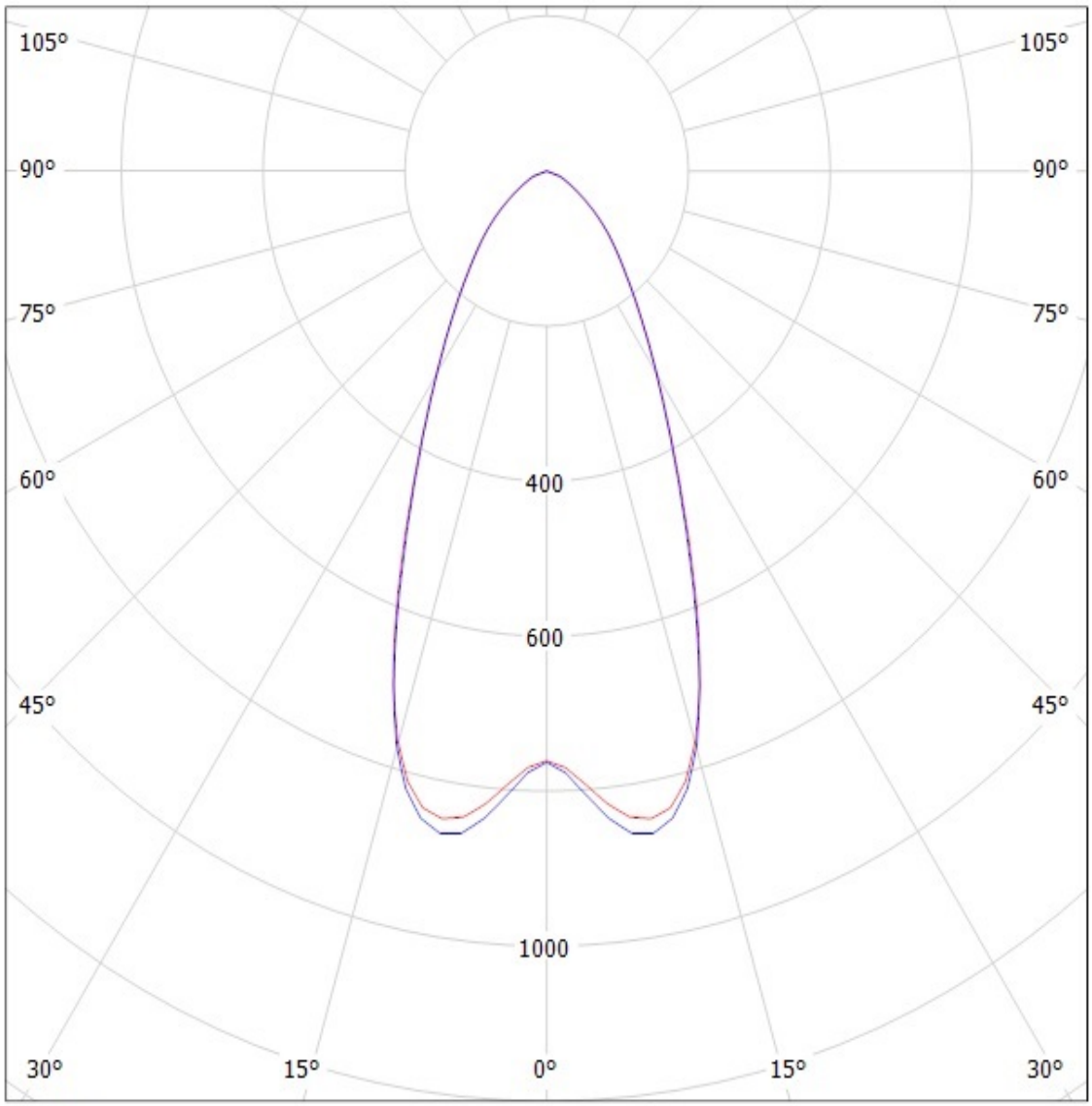


Luminaire: LEDiL Oy FA11903_TINA3-WW_(NS9x383) Eff. 90,2%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Ledil Oy FA11903_Tina3-WW-XM FA11903_Tina3-WW-XM LOR=89% / LDC (Polar)

Luminaire: Ledil Oy FA11903_Tina3-WW-XM FA11903_Tina3-WW-XM LOR=89%
Lamps: 1 x Cree XM-L

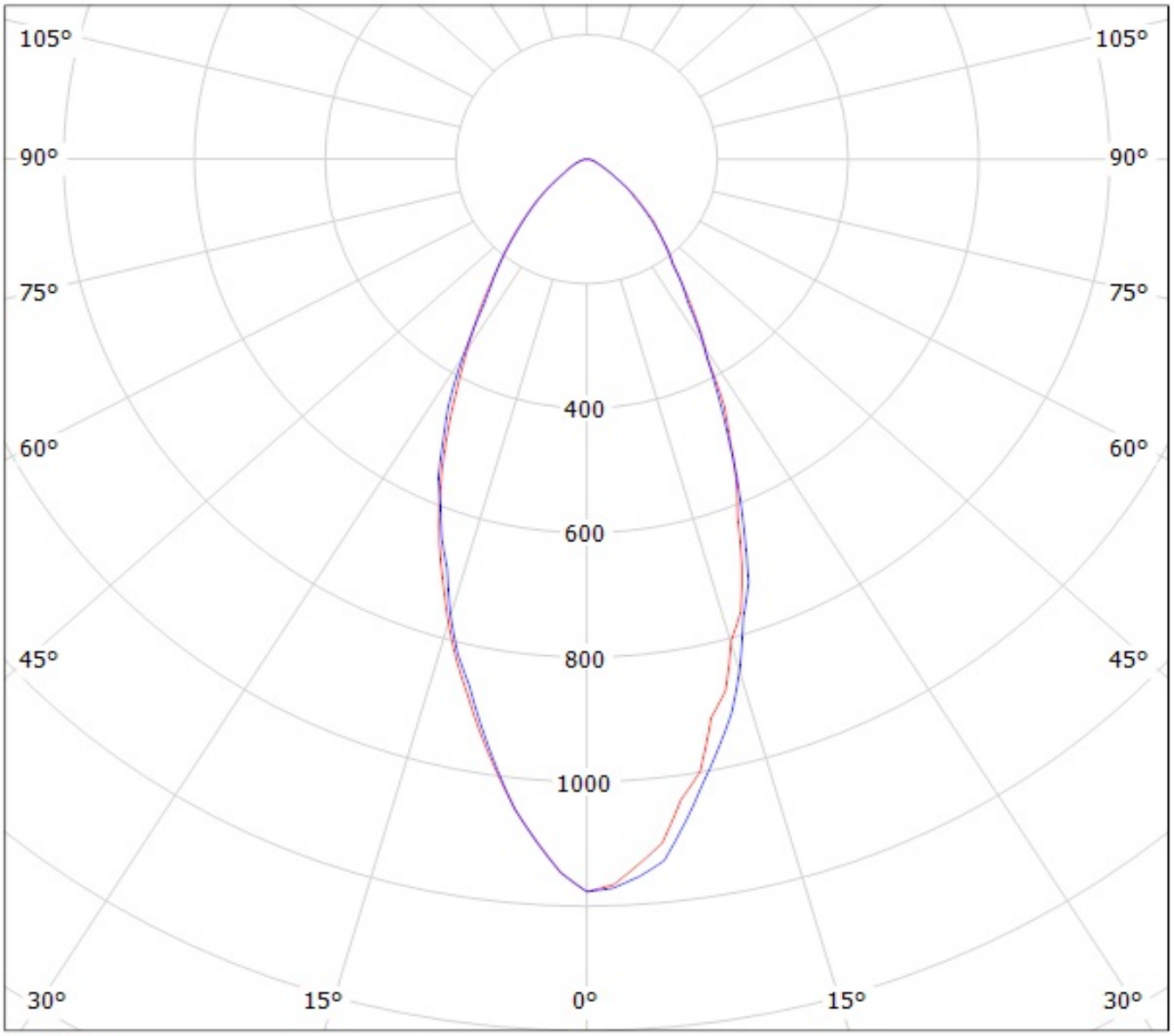


cd/klm

C0 - C180 C90 - C270

SIMULATED

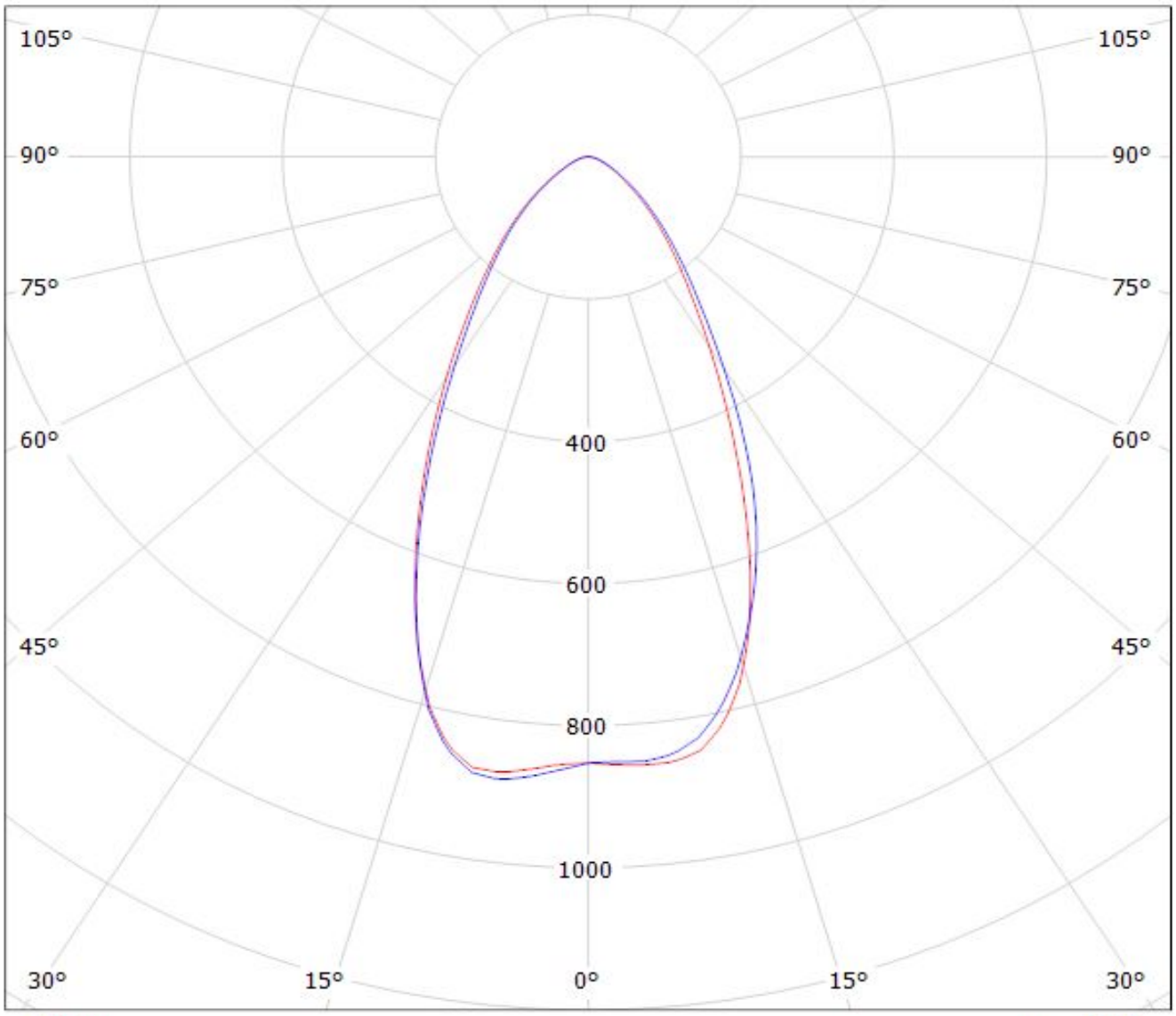
Luminaire: Ledil Oy FA11903_TINA3-WW (Cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FA11903_TINA3-WW_(XP-L) Eff.90.7%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA

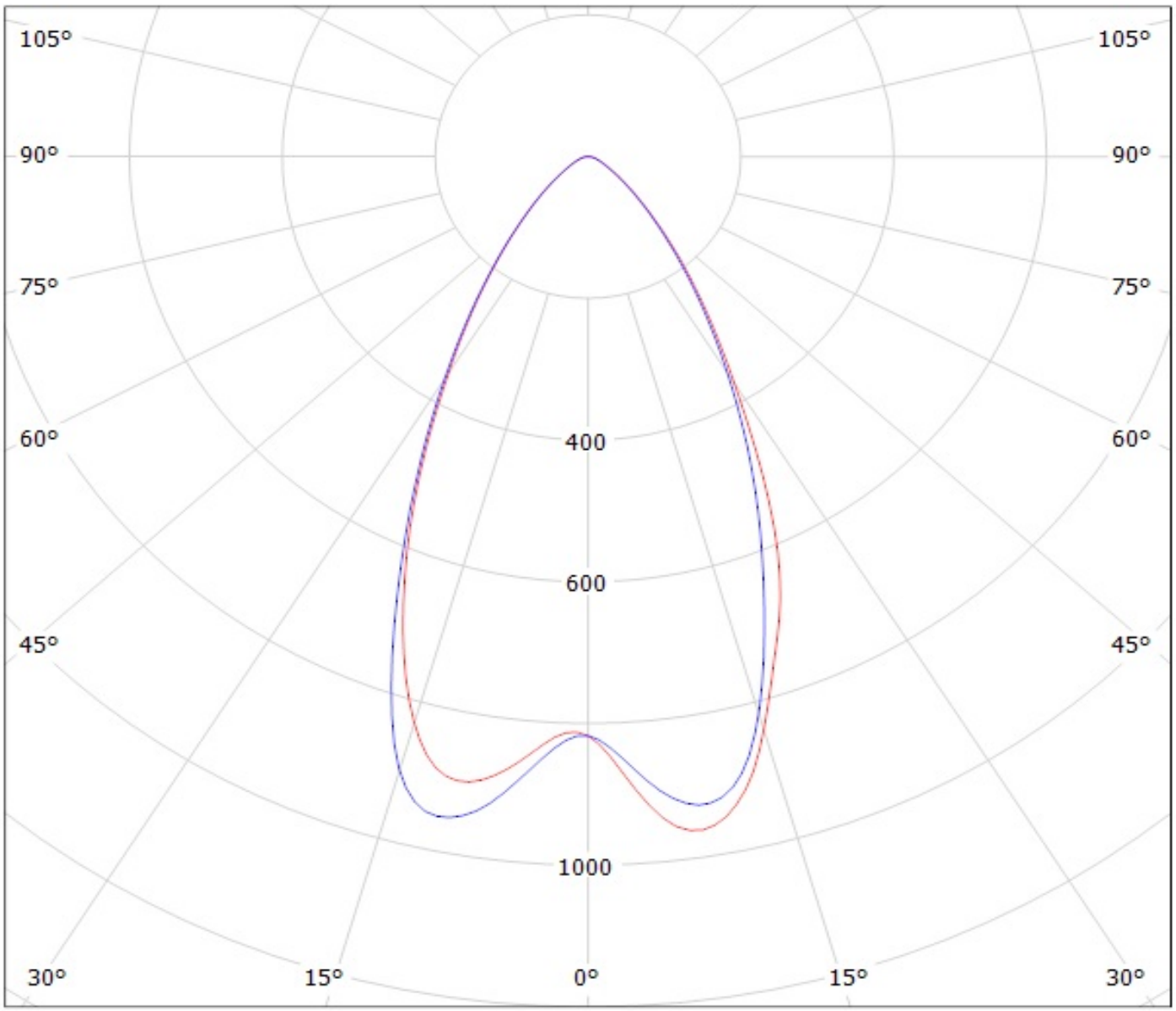


cd/klm

η = 91%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FA11903_TINA3-WW_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_113.703lm@250mA_P=0.743328W_I=0.2499A

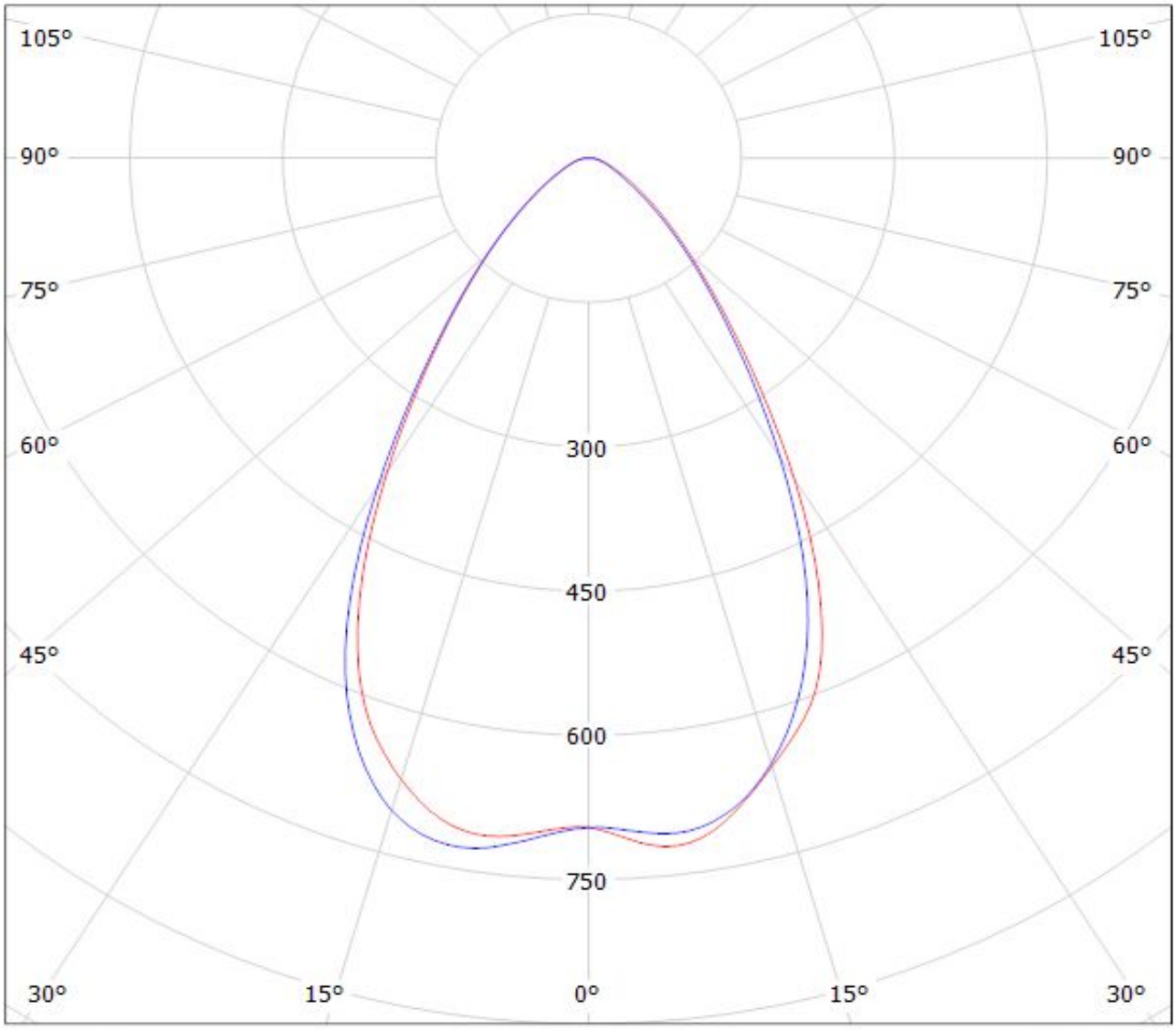


cd/klm

η = 91%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FA11903_TINA3-WW_(NS9x383) Eff. 90,2%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



cd/klm

η = 90%

C0 - C180 C90 - C270

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.