Product number   **FA11905_TINA3-S**

Family	Tina3	FWHM	18.5 degrees
Type	Assembly	Efficiency	82 %
LED	LUXEON Rebel ES	cd/lm	6.900
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number   **CA13100_TINA3-W**

Family	Tina3	FWHM	40 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON Rebel ES	cd/lm	1.600
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number   **FA11824_TINA3-W**

Family	Tina3	FWHM	45 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON Rebel ES	cd/lm	1.290
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number   **CA13180_TINA3-OO**

Family	Tina3	FWHM	57+40 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON Rebel ES	cd/lm	1.100
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

LEDiL

Product number	**FA11870_TINA3-OO**		
Family	Tina3	FWHM	60+46 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON Rebel ES	cd/lm	1.010
Color	White	Gerber File	Available
Diameter	16.3 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number	**CA13178_TINA3-WW**		
Family	Tina3	FWHM	61 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON Rebel ES	cd/lm	0.900
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number	**FA11825_TINA3-WW**		
Family	Tina3	FWHM	62 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON Rebel ES	cd/lm	0.800
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number	**CA13179_TINA3-WWW**		
Family	Tina3	FWHM	74 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON Rebel ES	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number   **FA11826_TINA3-WWW**

Family	Tina3	FWHM	80 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON Rebel ES	cd/lm	0.460
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
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.

GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel ES 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

Relative intensity of FA11826_Tina3-WWW-XP-G

D | C | B | A

∅2
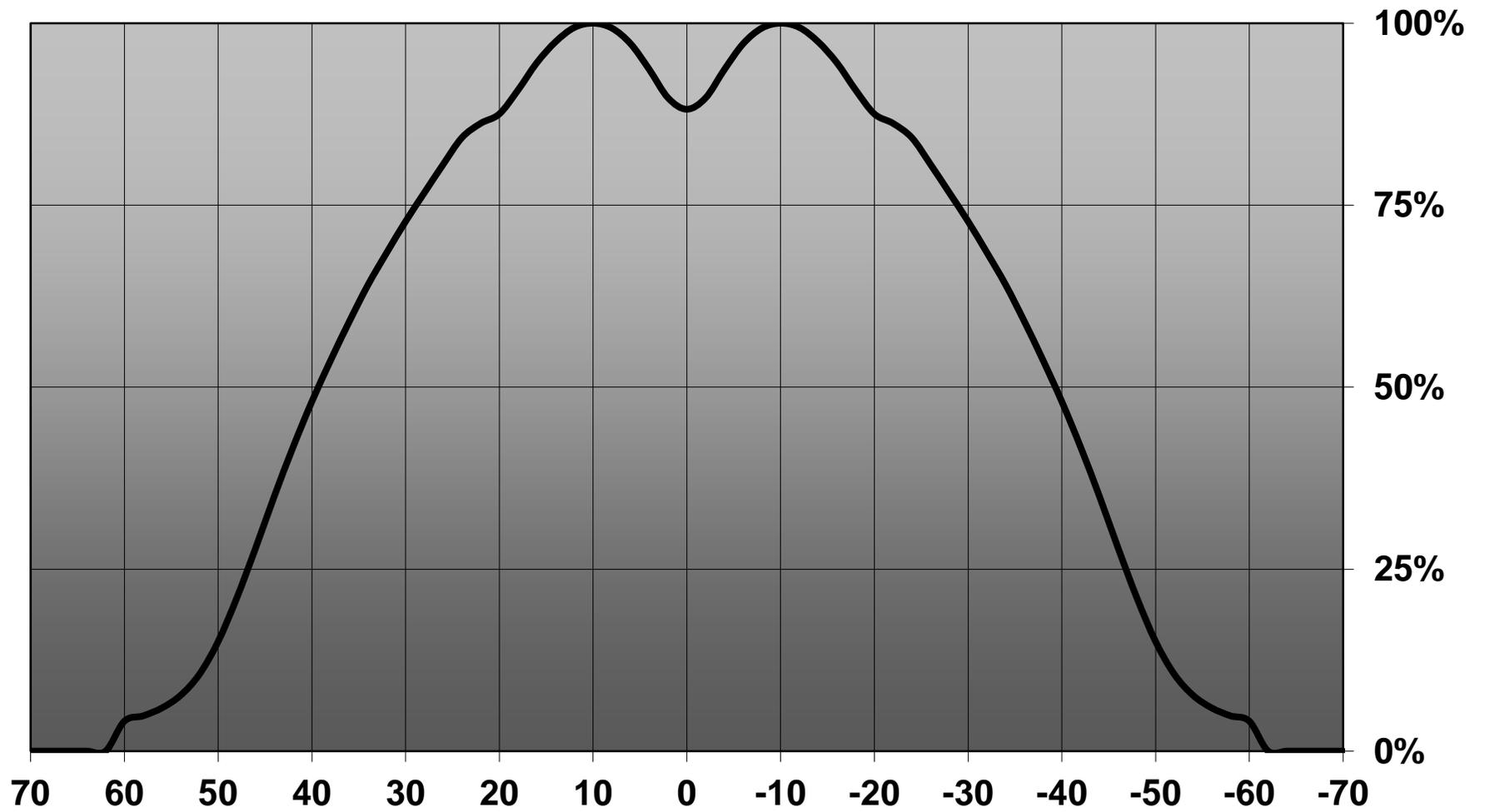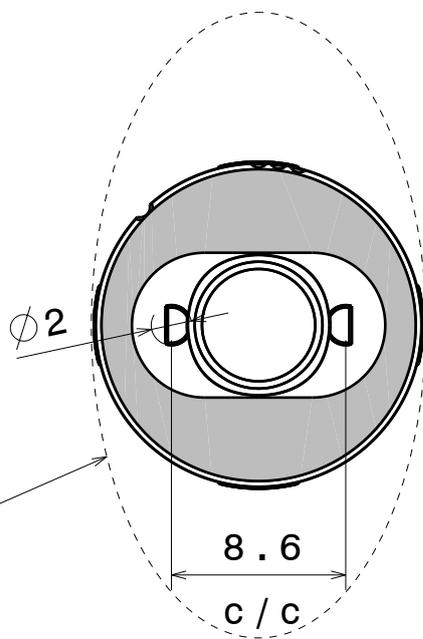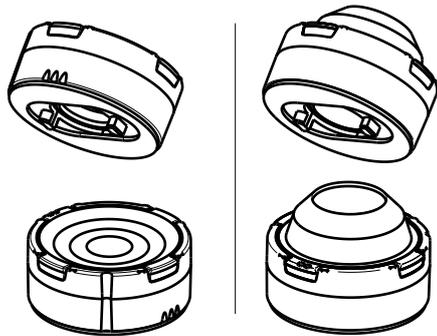
Oval beam direction

8.6

c/c
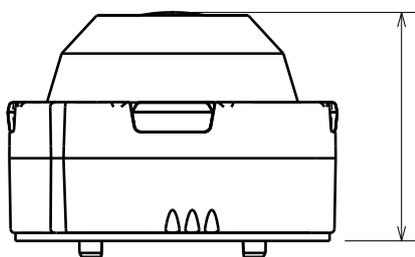
6.9

11.4

0.8

Spot version height
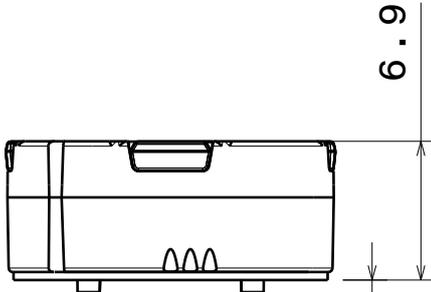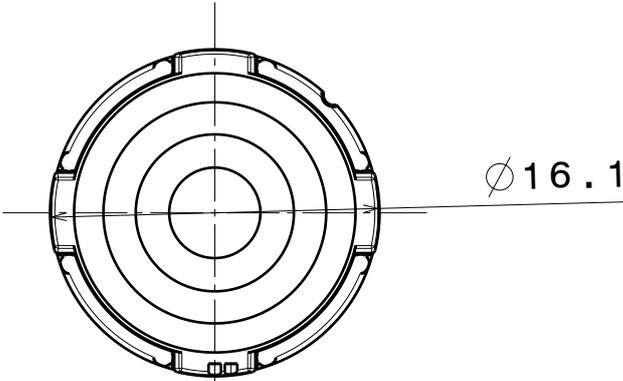
∅16.1

Top view

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

TINA3 Datasheet

SIZE	PART NUMBER		
A4	-		
SCALE 4:3	WEIGHT	-	SHEET 1/1

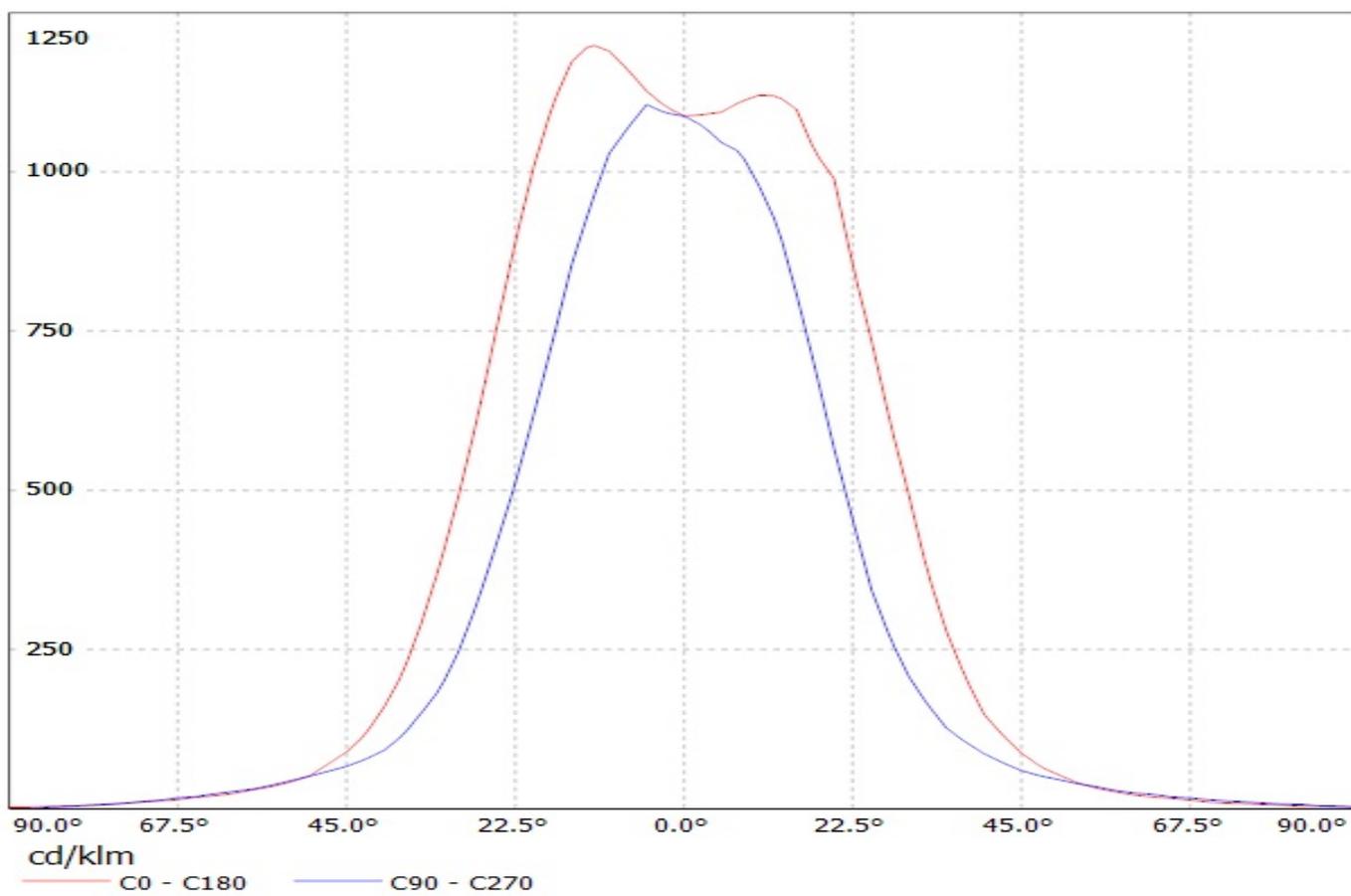Luminaire: Ledil Oy CA13100_TINA3-W (Luxeon RE-ES 92lm @ 250mA) Efficiency=91%
Lamps: 1 x Luxeon RE-ES 92lm @ 250mA

cd/klm

C0 - C180   C90 - C270
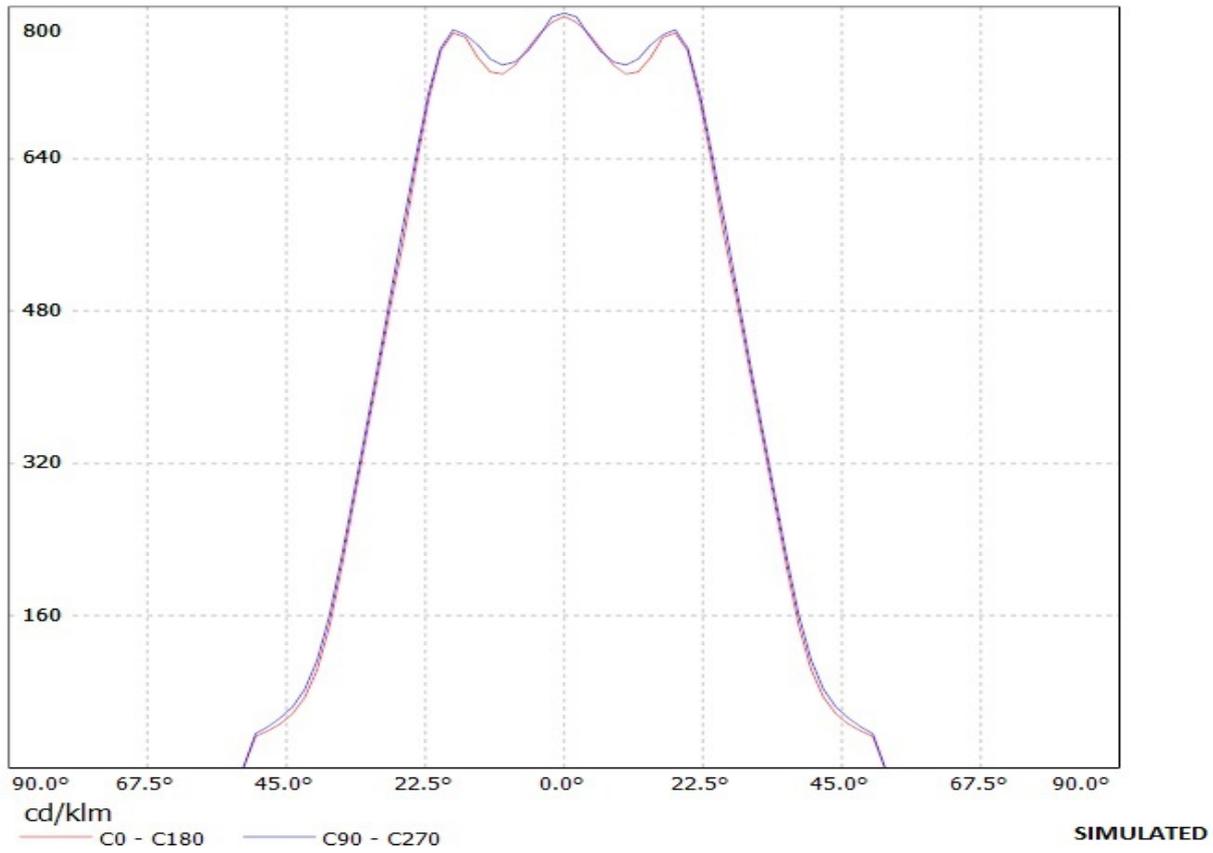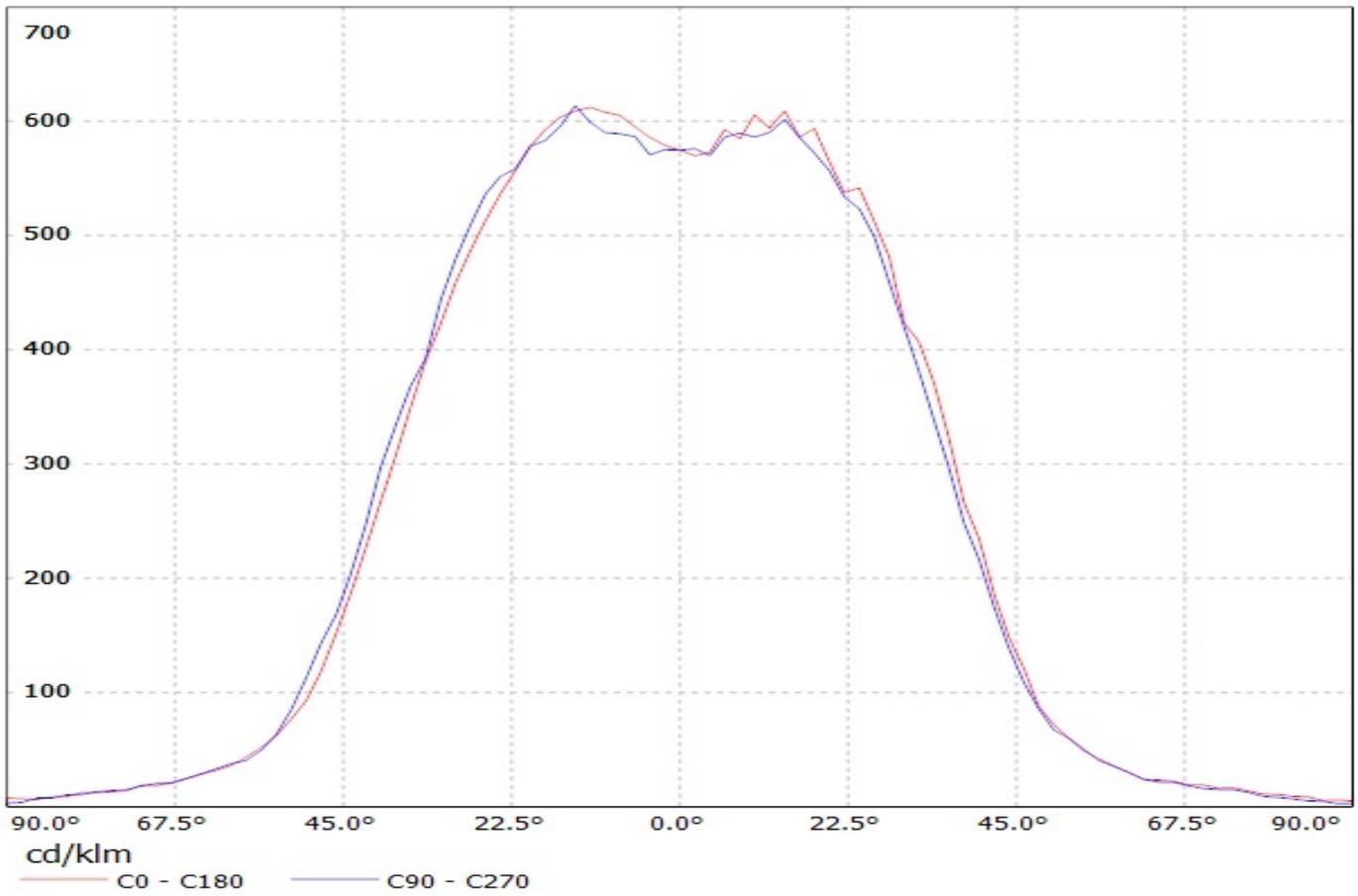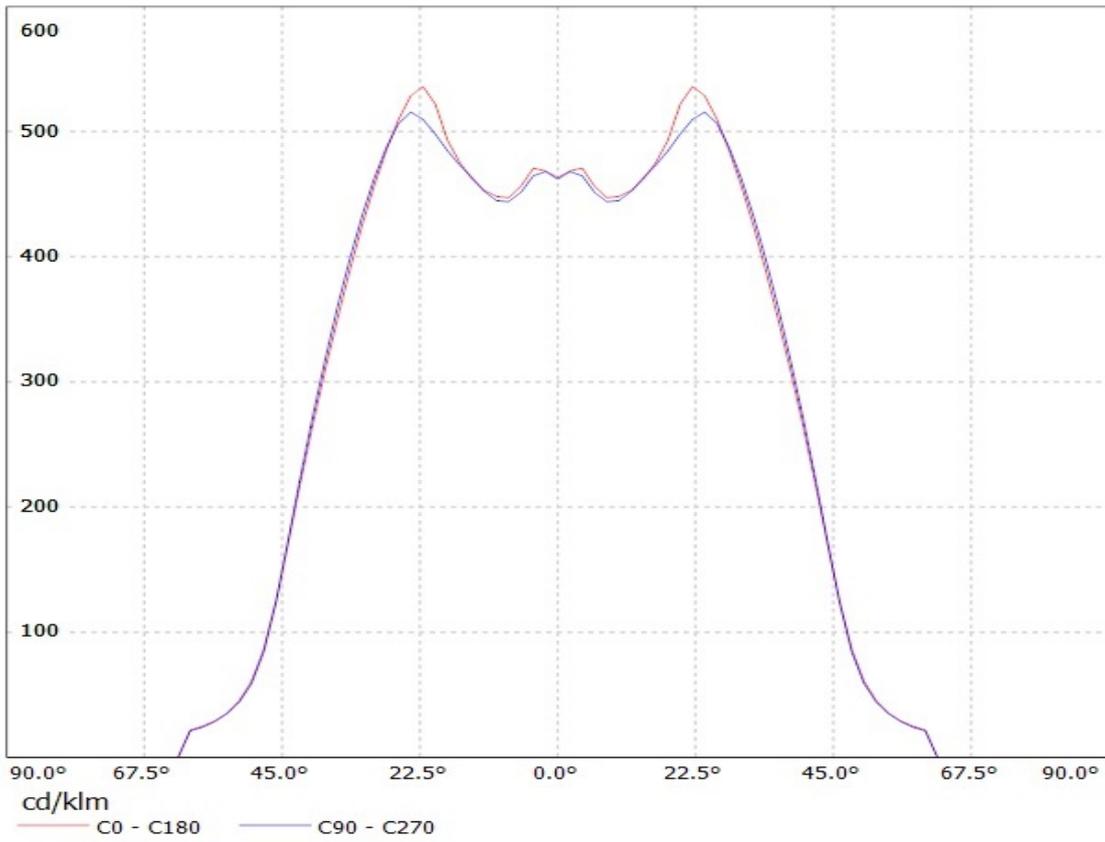
Luminaire: Ledil Oy FA11824_Tina3-W-RE-ES FA11824_Tina3-W-RE-ES
Lamps: 1 x Luxeon rebel ES

cd/klm

——— C0 - C180   ——— C90 - C270

SIMULATED

Luminaire: Ledil Oy CA13180_TINA3-OO (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=91%
Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA

cd/klm

C0 - C180   C90 - C270

Luminaire: Ledil oy CA13178_TINA3-WW (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=91%
Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA
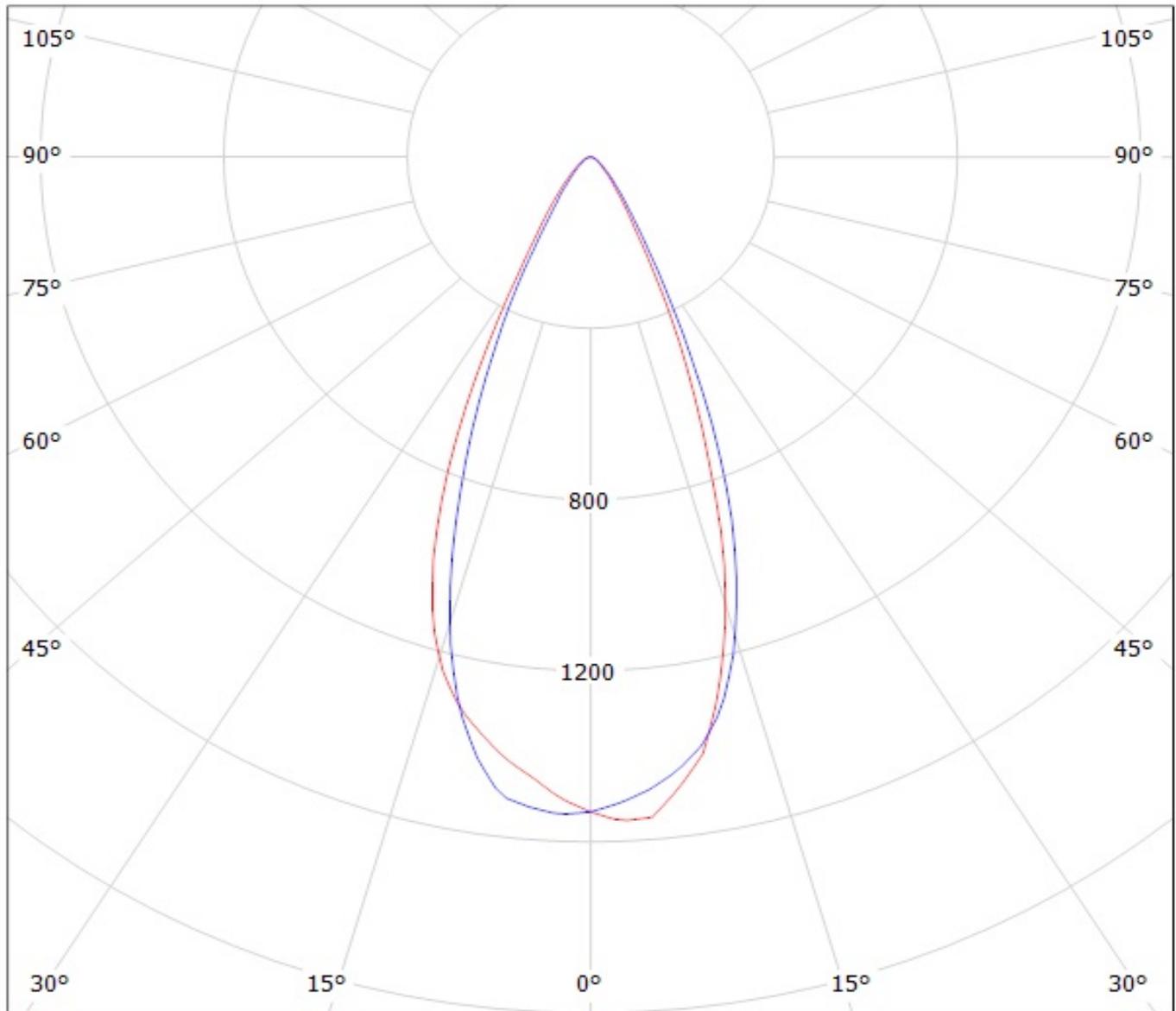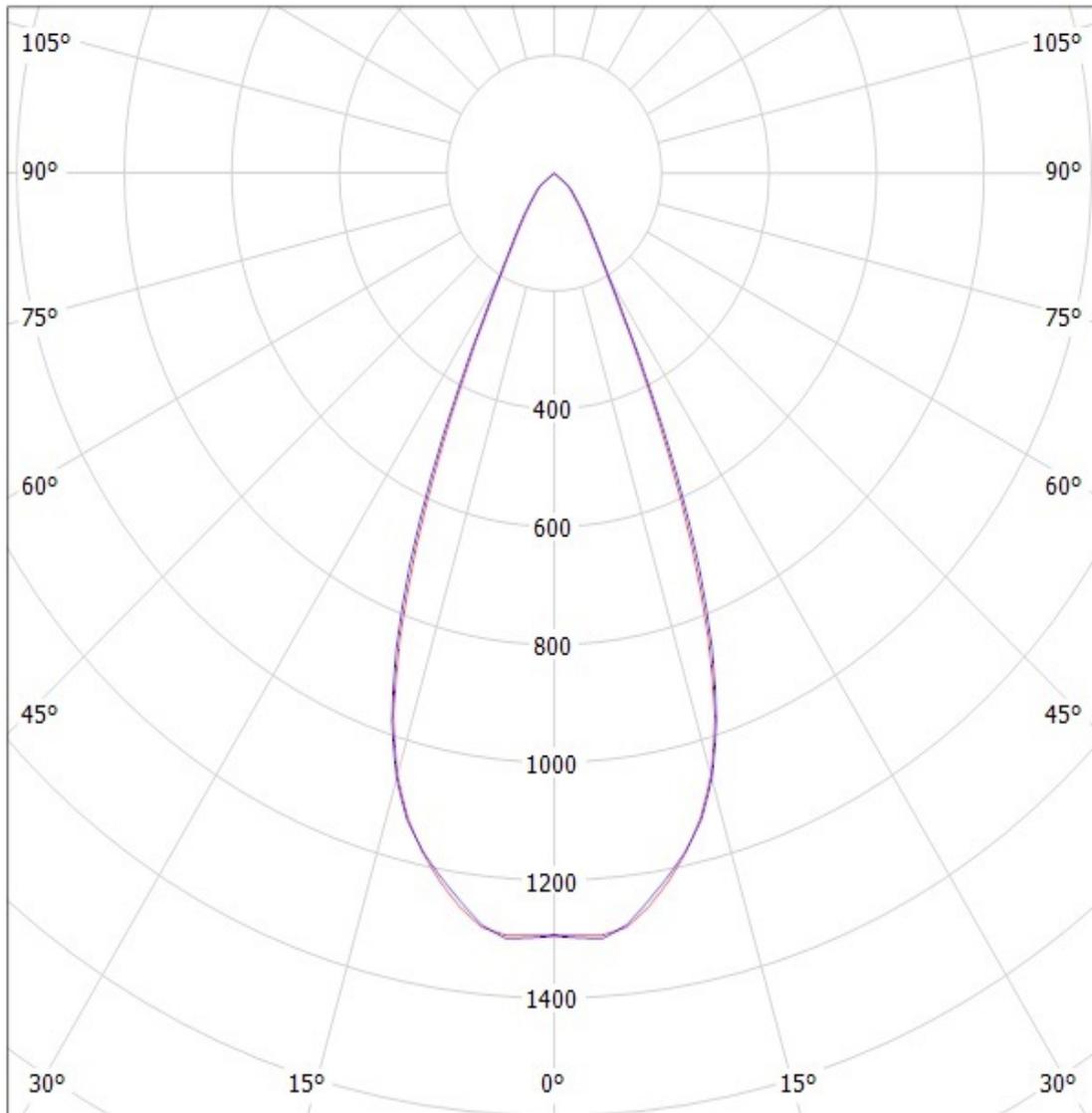

cd/klm

——— C0 - C180   ——— C90 - C270
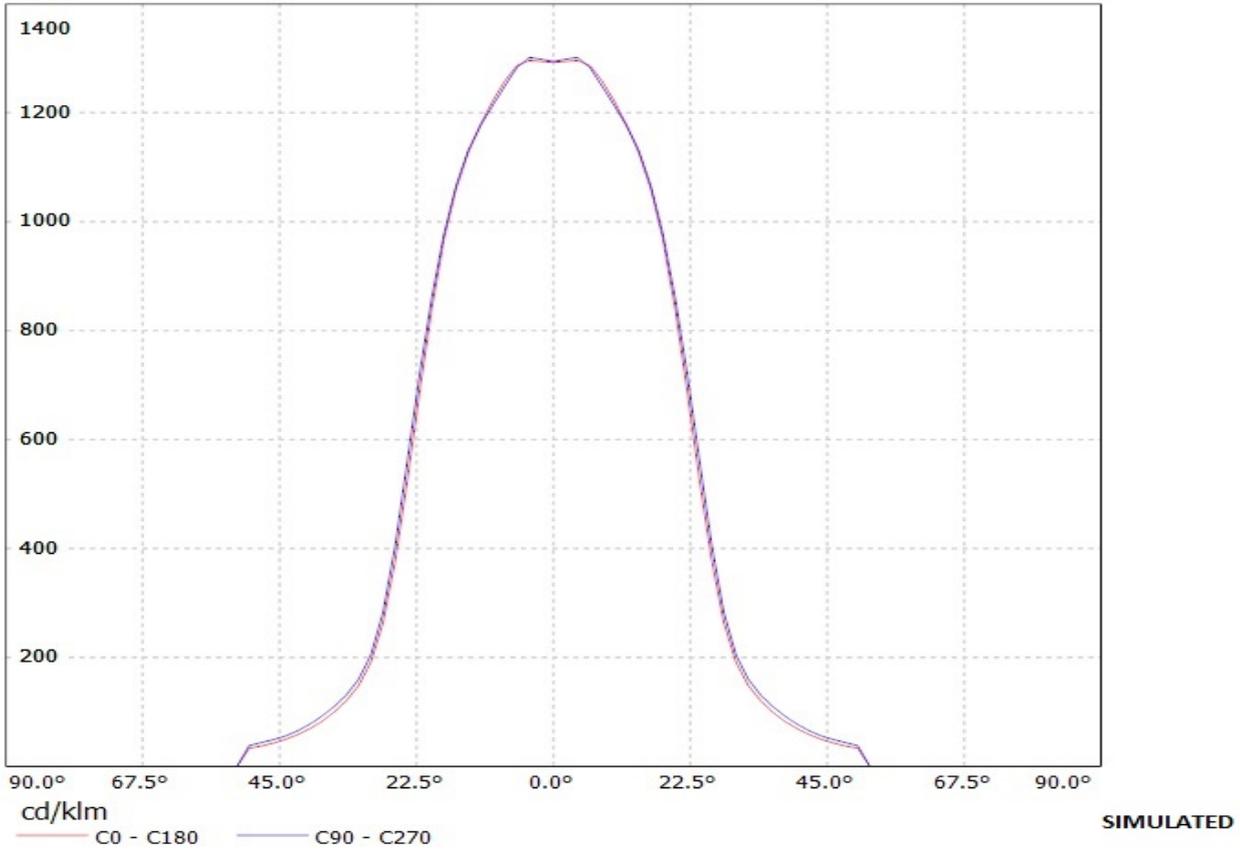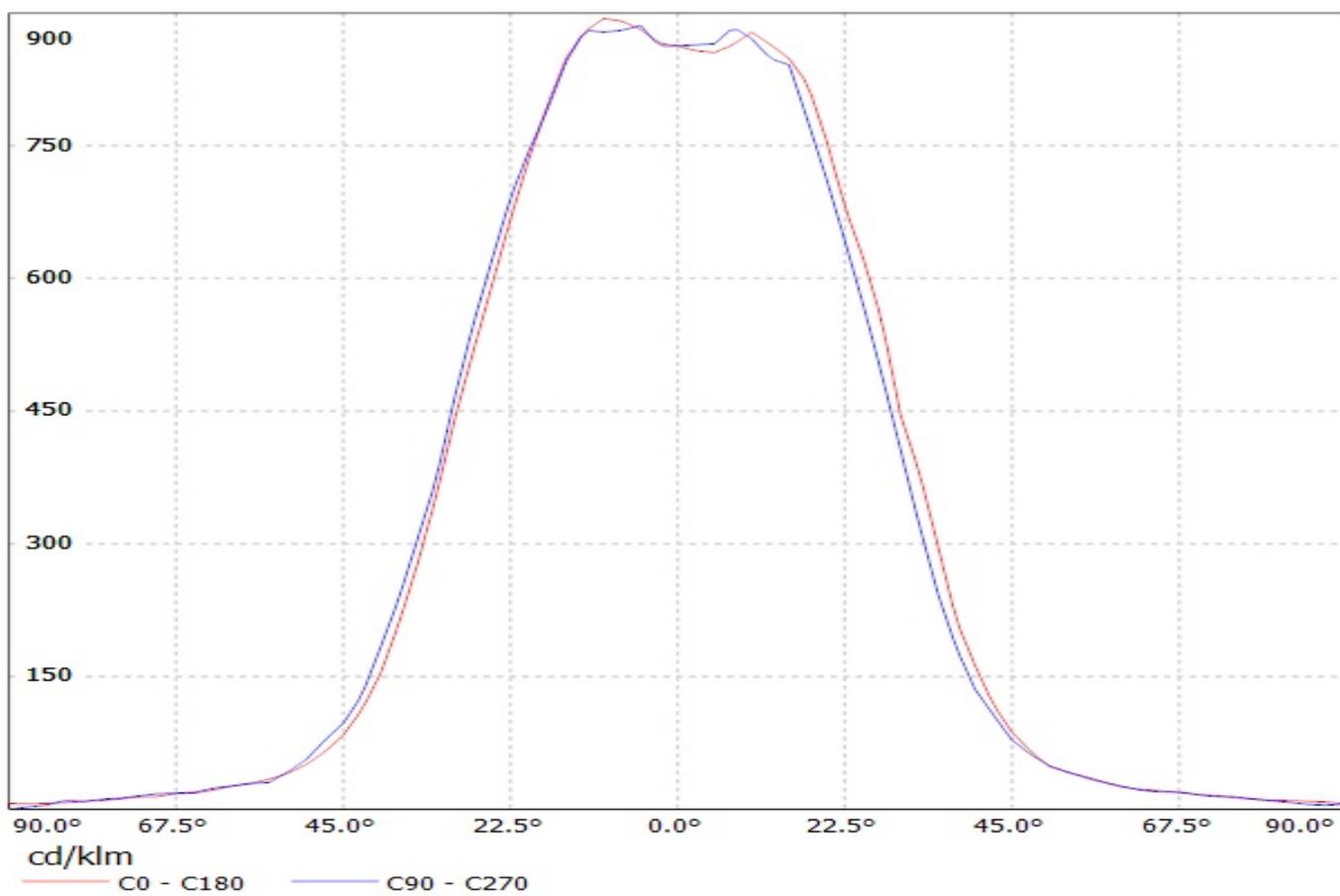
Ledil Oy FA11825_Tina3-WW-RE-ES FA11825_Tina3-WW-RE-ES / LDC (Linear)

Luminaire: Ledil Oy FA11825_Tina3-WW-RE-ES FA11825_Tina3-WW-RE-ES
Lamps: 1 x Luxeon rebel ES

cd/klm

| | C0 - C180 | | C90 - C270 |

SIMULATED

Luminaire: LEDiL Oy CA13179_TINA3-WWW (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=89%
Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA

cd/klm

C0 - C180   C90 - C270

Ledil Oy FA11826_Tina3-WWW-RE-ES FA11826_Tina3-WWW-RE-ES / LDC (Linear)

Luminaire: Ledil Oy FA11826_Tina3-WWW-RE-ES FA11826_Tina3-WWW-RE-ES
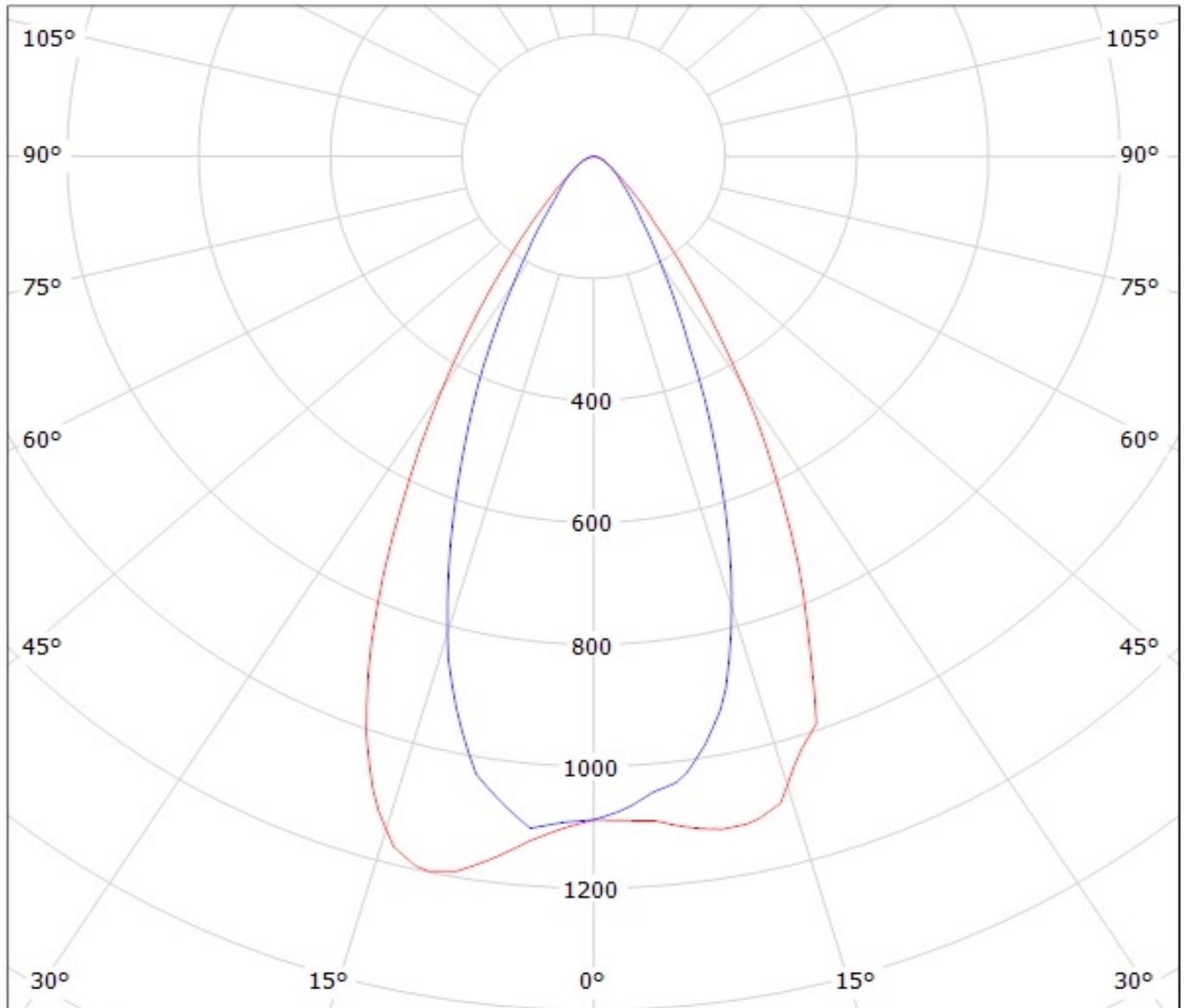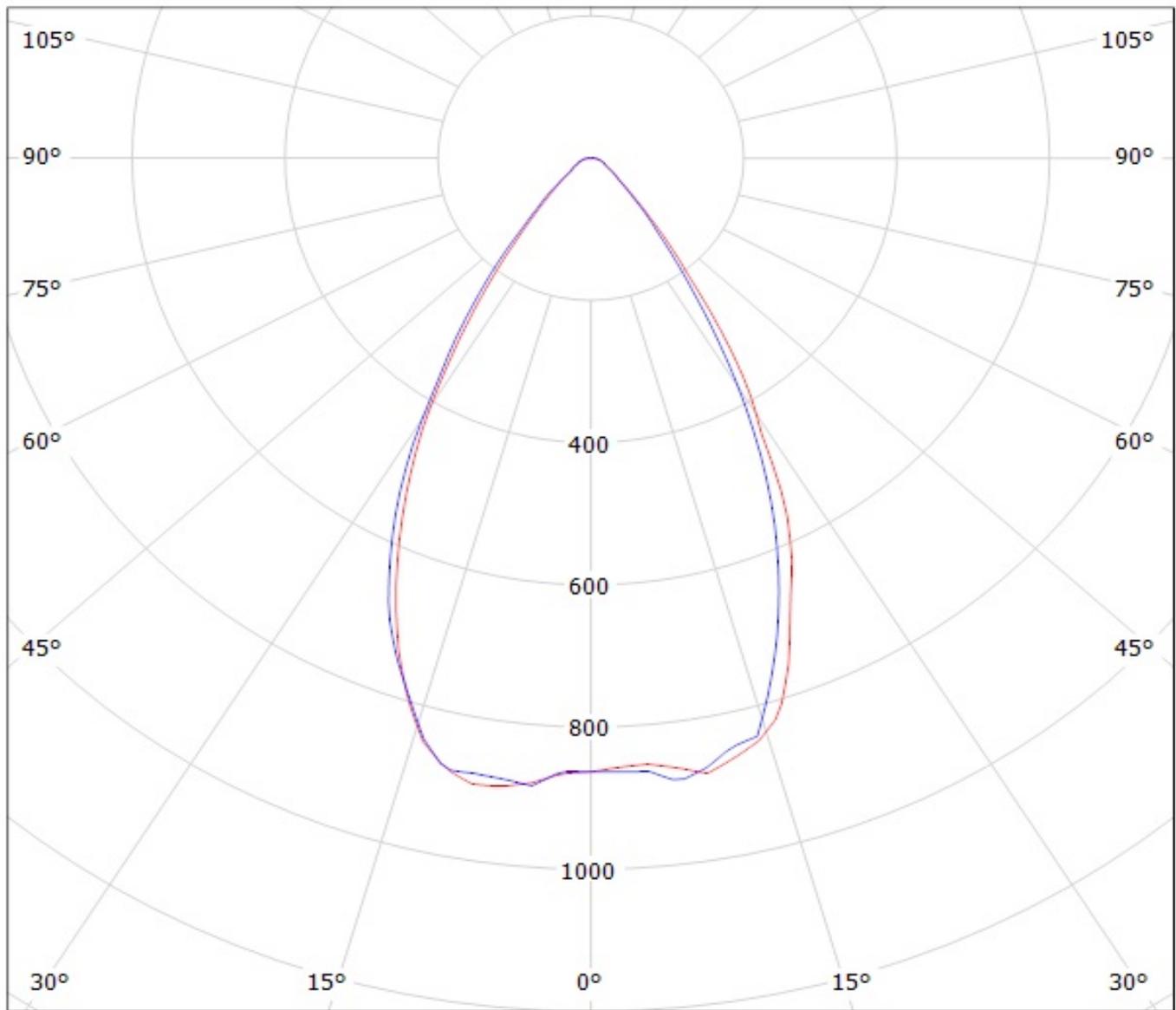Lamps: 1 x Luxeon Rebel ES

cd/klm

—— C0 - C180   —— C90 - C270

SIMULATED

Luminaire: Ledil Oy CA13100_TINA3-W (Luxeon RE-ES 92lm @ 250mA) Efficiency=91%
Lamps: 1 x Luxeon RE-ES 92lm @ 250mA

cd/klm
——— C0 - C180   ——— C90 - C270

Luminaire: Ledil Oy FA11824_Tina3-W-RE-ES FA11824_Tina3-W-RE-ES
Lamps: 1 x Luxeon rebel ES

cd/klm

——— C0 - C180   ——— C90 - C270

SIMULATED

Luminaire: Ledil Oy CA13180_TINA3-OO (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=91%
Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA

cd/klm

— C0 - C180   — C90 - C270

Luminaire: Ledil oy CA13178_TINA3-WW (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=91%
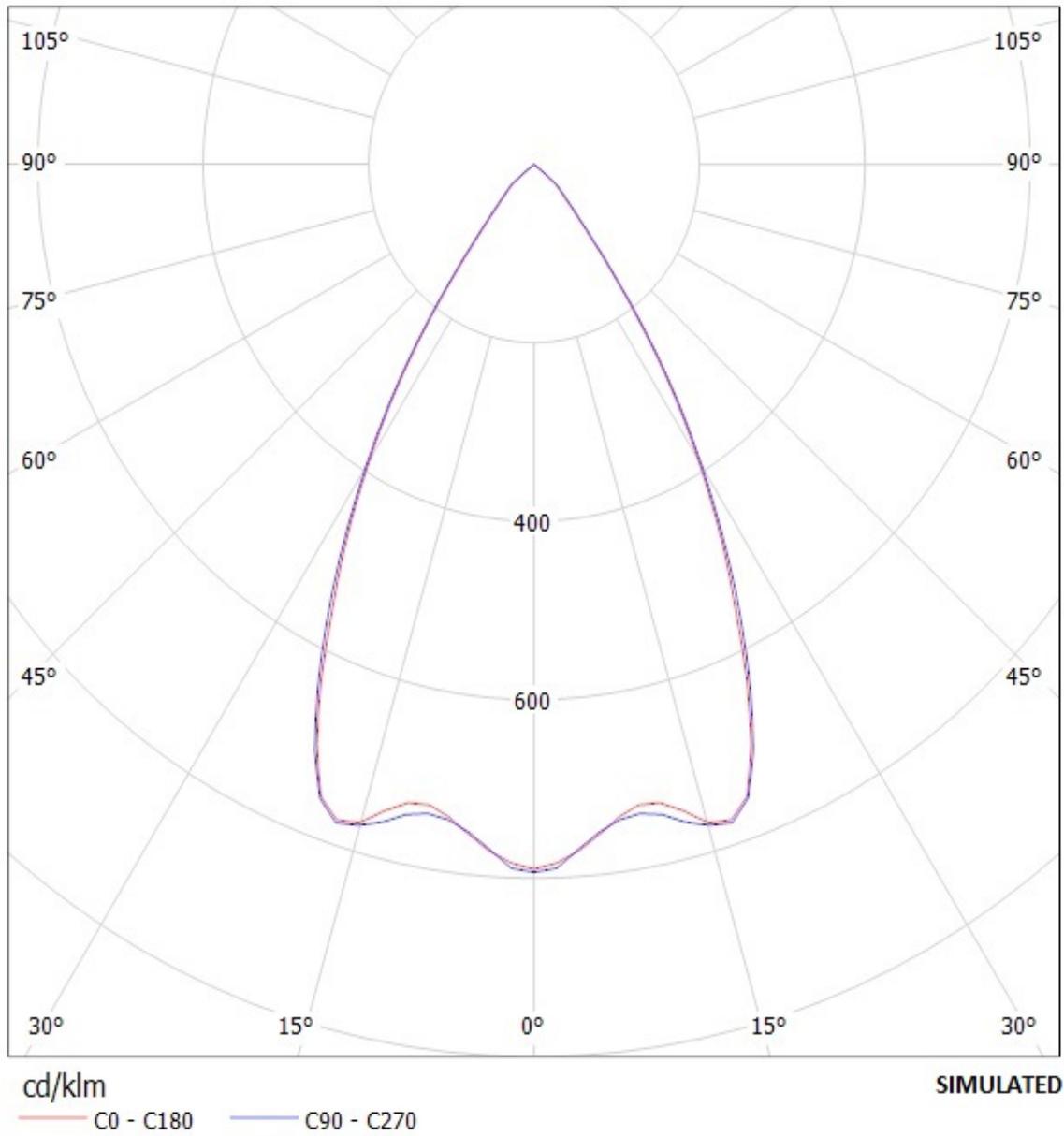Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA

cd/klm

——— C0 - C180 ——— C90 - C270
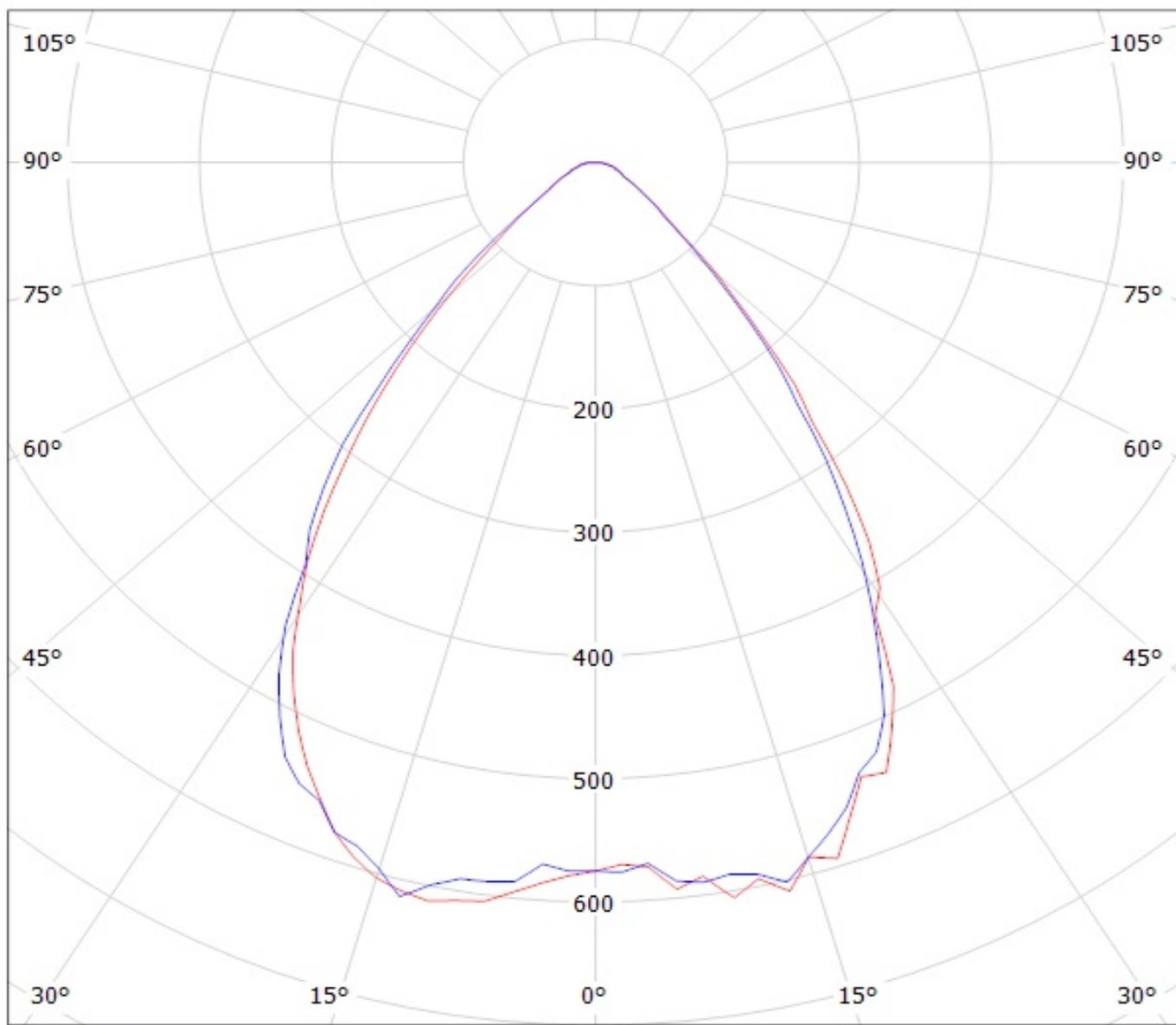
Luminaire: Ledil Oy FA11825_Tina3-WW-RE-ES FA11825_Tina3-WW-RE-ES
Lamps: 1 x Luxeon rebel ES

cd/klm

SIMULATED

—— C0 - C180   —— C90 - C270

Luminaire: LEDiL Oy CA13179_TINA3-WWW (Luxeon Rebel-ES 92lm @ 250mA) Efficiency=89%
Lamps: 1 x Luxeon Rebel-ES 92lm @ 250mA

cd/klm

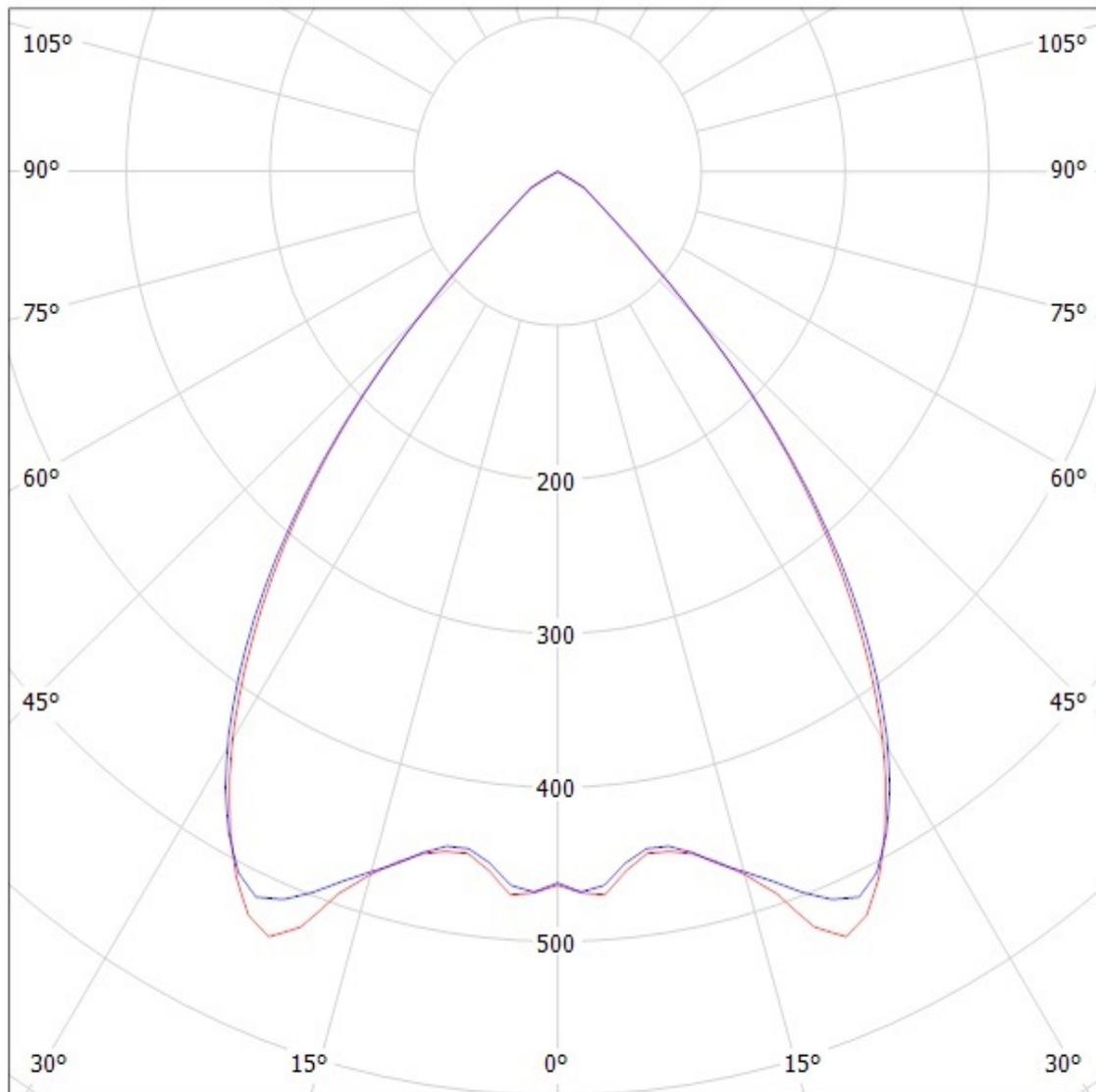— C0 - C180   — C90 - C270

Luminaire: Ledil Oy FA11826_Tina3-WWW-RE-ES FA11826_Tina3-WWW-RE-ES
Lamps: 1 x Luxeon Rebel ES

cd/klm

SIMULATED

— C0 - C180   — C90 - C270