PRODUCT DATASHEET
Laura series
last update 21/1/2013

Ordering number CA11959_LAURA-RS-PIN

Family	Laura	FWHM	11 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON T	cd/lm	18.500
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

Ordering number CA12011_LAURA-SS-PIN

Family	Laura	FWHM	13 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON T	cd/lm	12.200
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

Ordering number CA11960_LAURA-D-PIN

Family	Laura	FWHM	18 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON T	cd/lm	4.500
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

Ordering number CA11837_LAURA-M-PIN

Family	Laura	FWHM	30 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON T	cd/lm	2.400
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

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PRODUCT DATASHEET
Laura series
last update 21/1/2013

Ordering number **CA12344_LAURA-W-PIN**

Family	Laura	FWHM	46 degrees
Type	Assembly	Efficiency	88 %
LED	LUXEON T	cd/lm	1.400
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

Ordering number **CA12325_LAURA-WW-PIN**

Family	Laura	FWHM	65 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON T	cd/lm	0.800
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	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.

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GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON T 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
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

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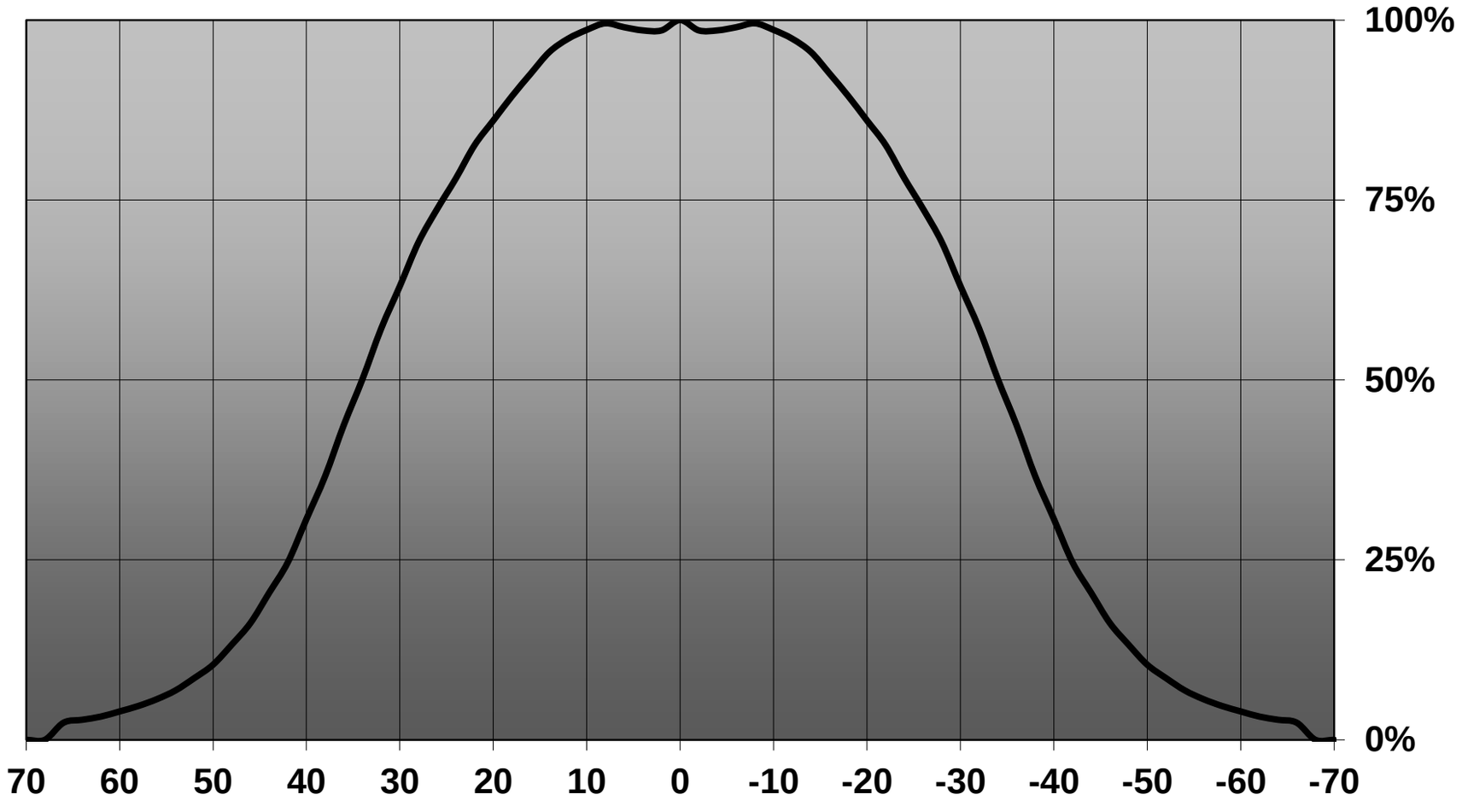
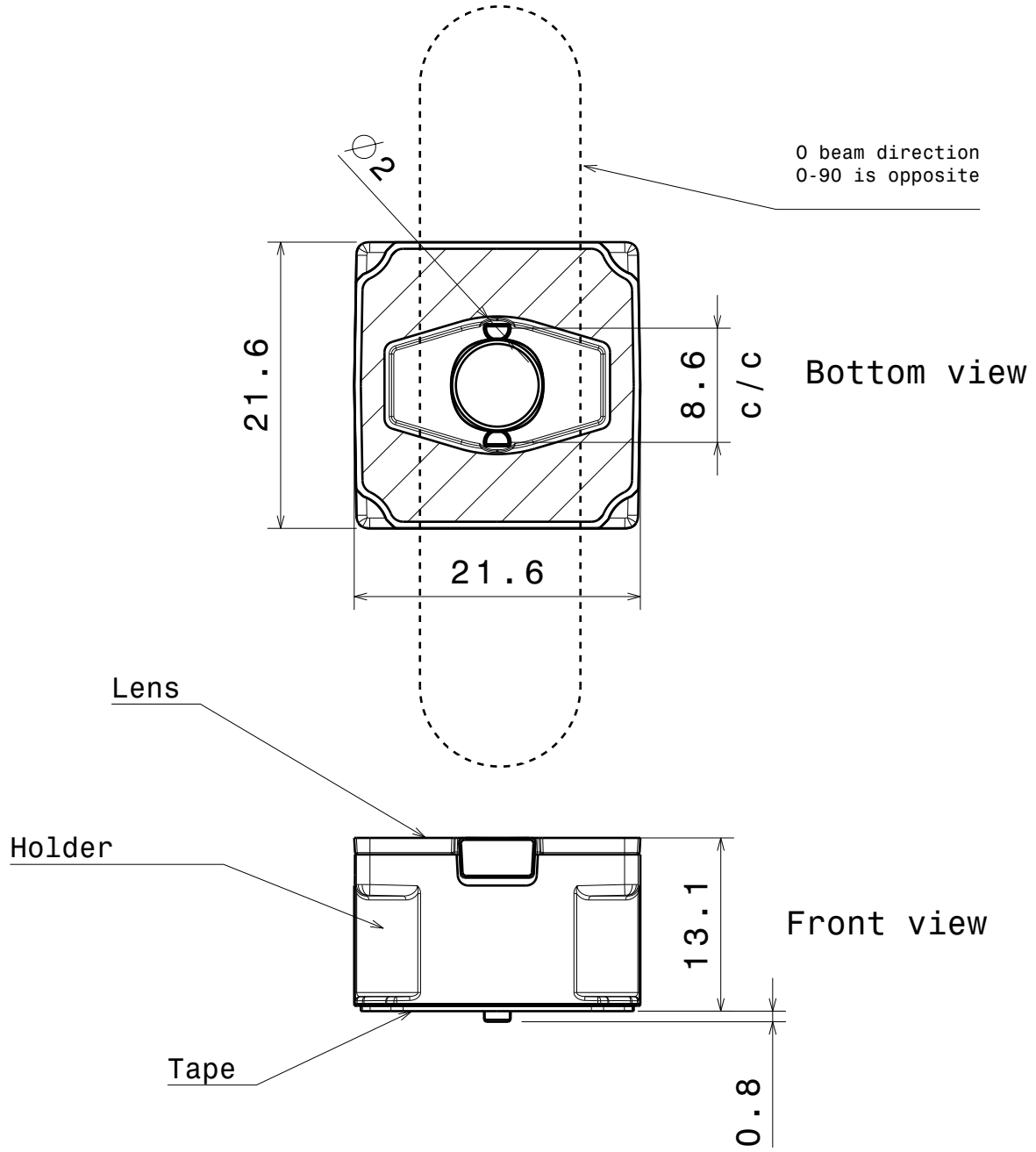
Relative intensity of Laura-WW-Pin-XP-G





Materials:
lens: PMMA
holder: PC, black
Tape: PU Foam

LEDIL

DRAWN BY: p	DATE: 20.1.2012
CHECKED BY: s n	DATE: 20.1.2012
DESIGNED BY: hh/mav	DATE: 04.11.2010

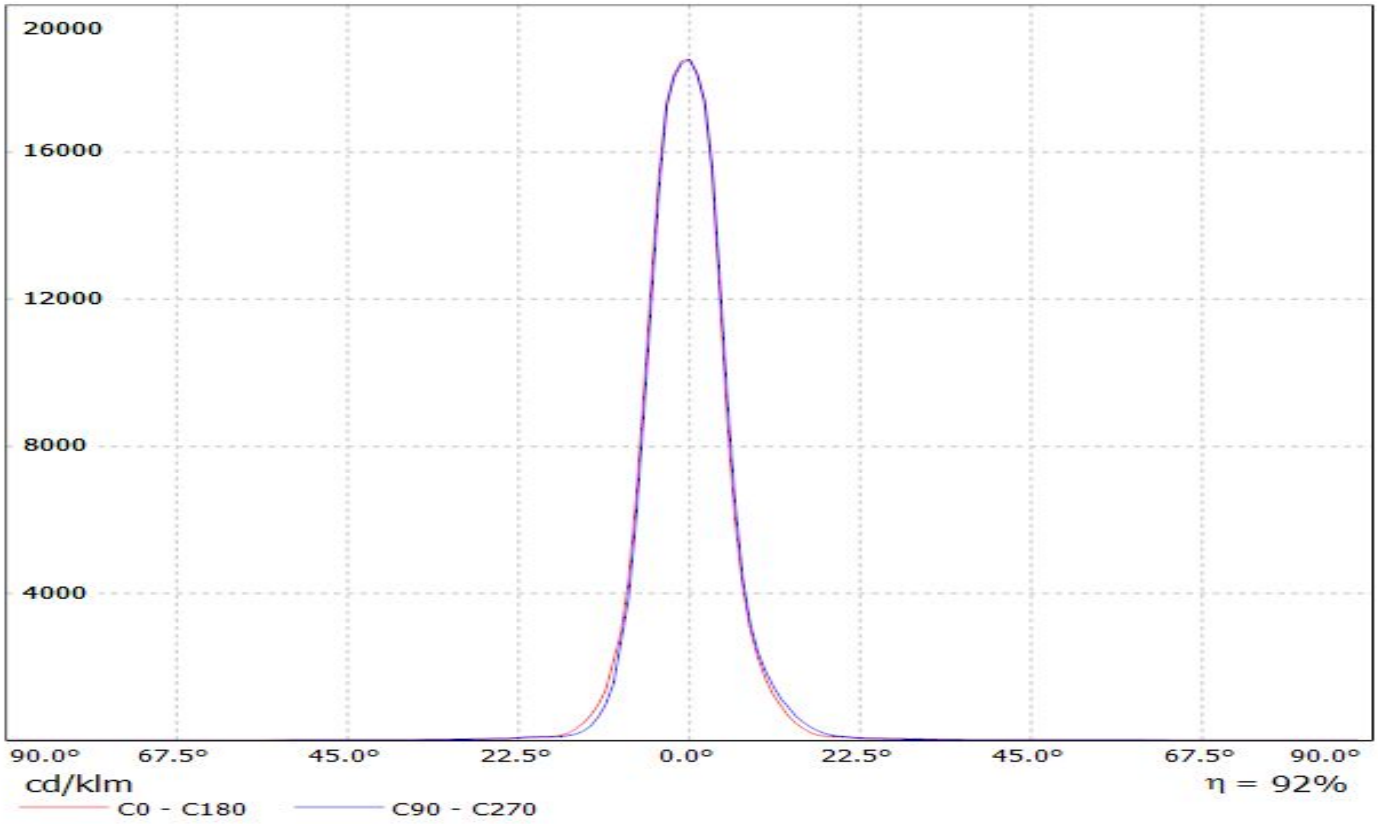
DRAWING TITLE: Datasheet Laura-Pin-tape assy

SIZE	DRAWING NUMBER	REV
A4	-	2

SCALE	WEIGHT(g)	SHEET
2:1		1/1

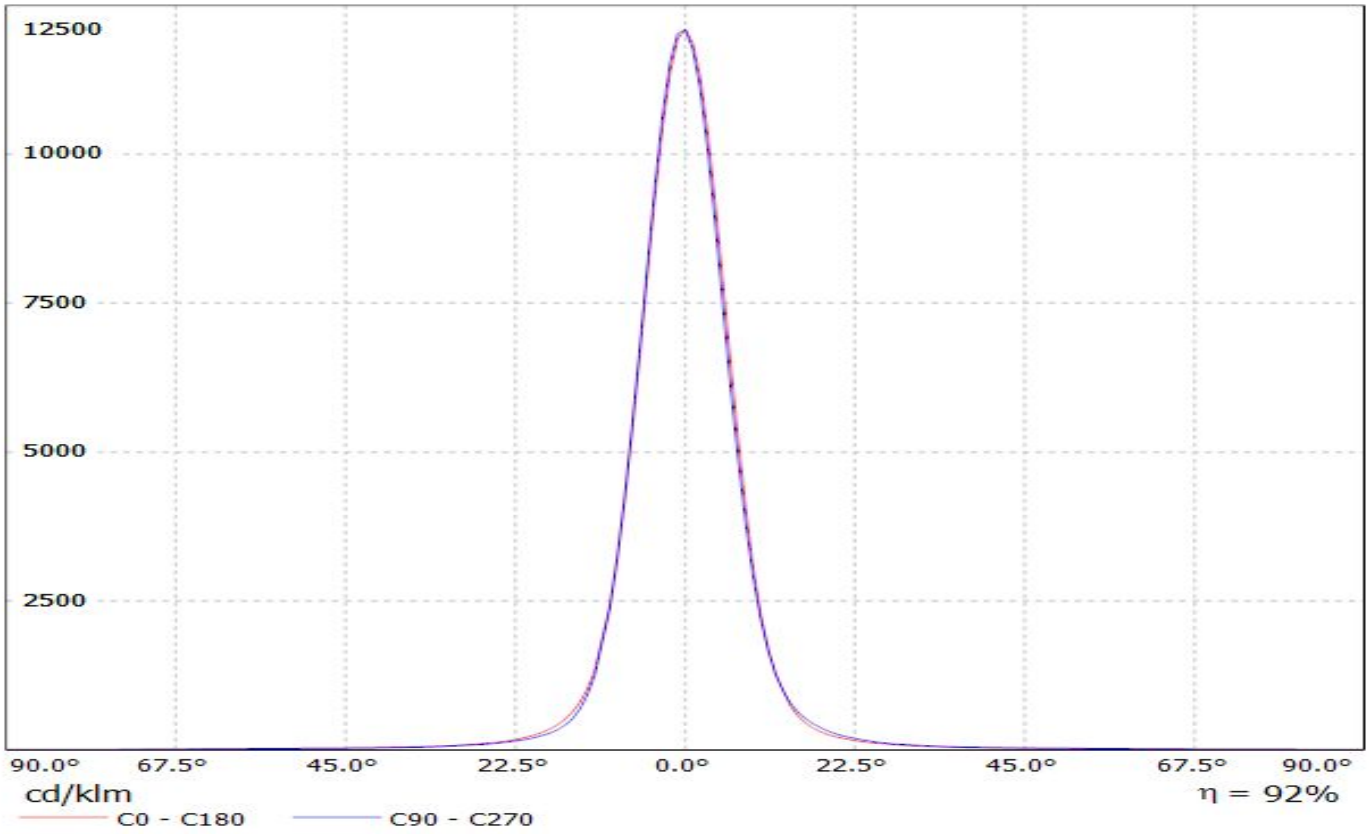
LEDiL Oy CA11959_LAURA-RS-PIN_(LUXEON_T)_2 Eff.92.0% / LDC (Linear)

Luminaire: LEDiL Oy CA11959_LAURA-RS-PIN_(LUXEON_T)_2 Eff.92.0%
Lamps: 1 x LUXEON T (74lm@250mA)

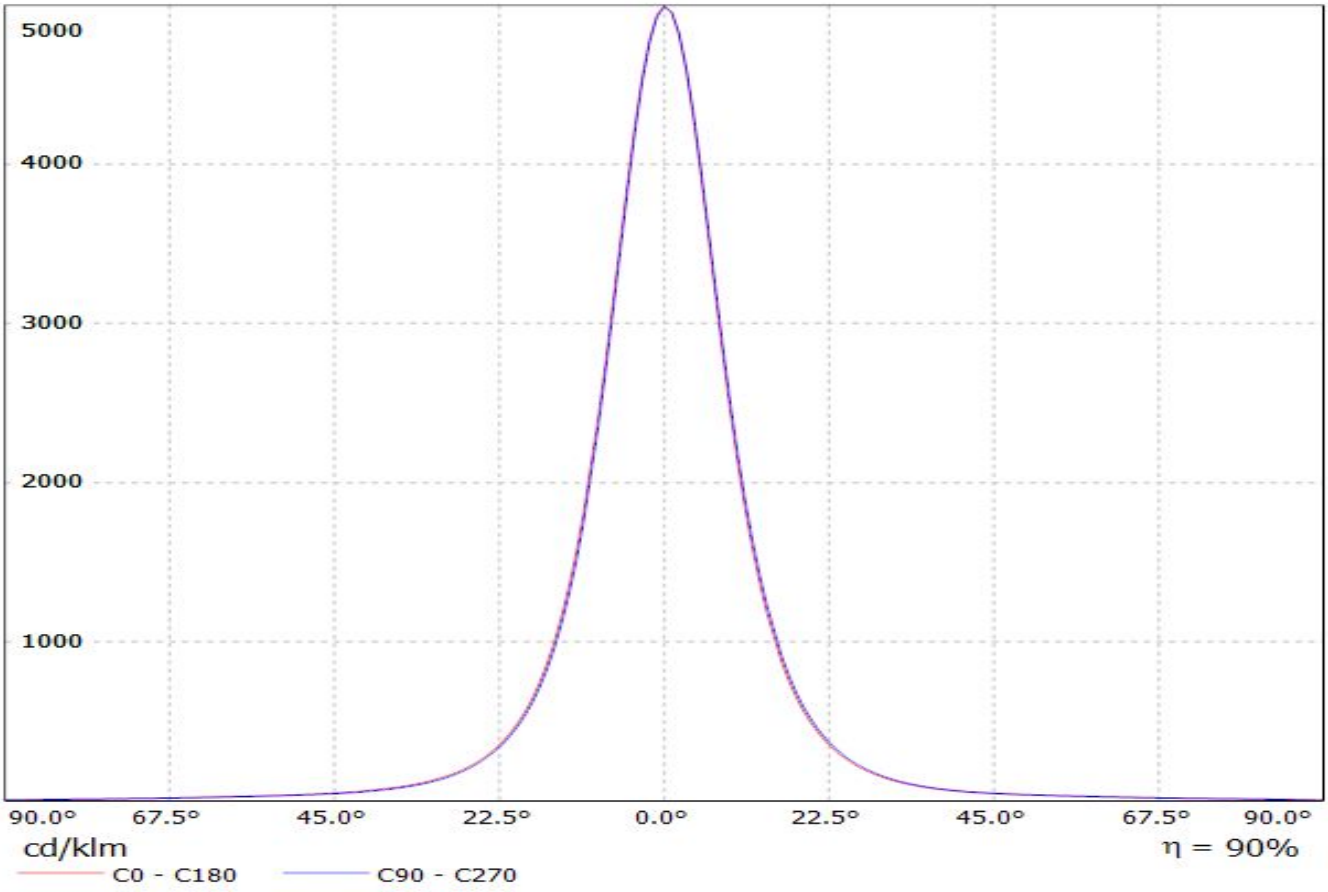


LEDiL Oy CA12011_LAURA-SS-PIN_(LUXEON_T)_1 Eff.92.4% / LDC (Linear)

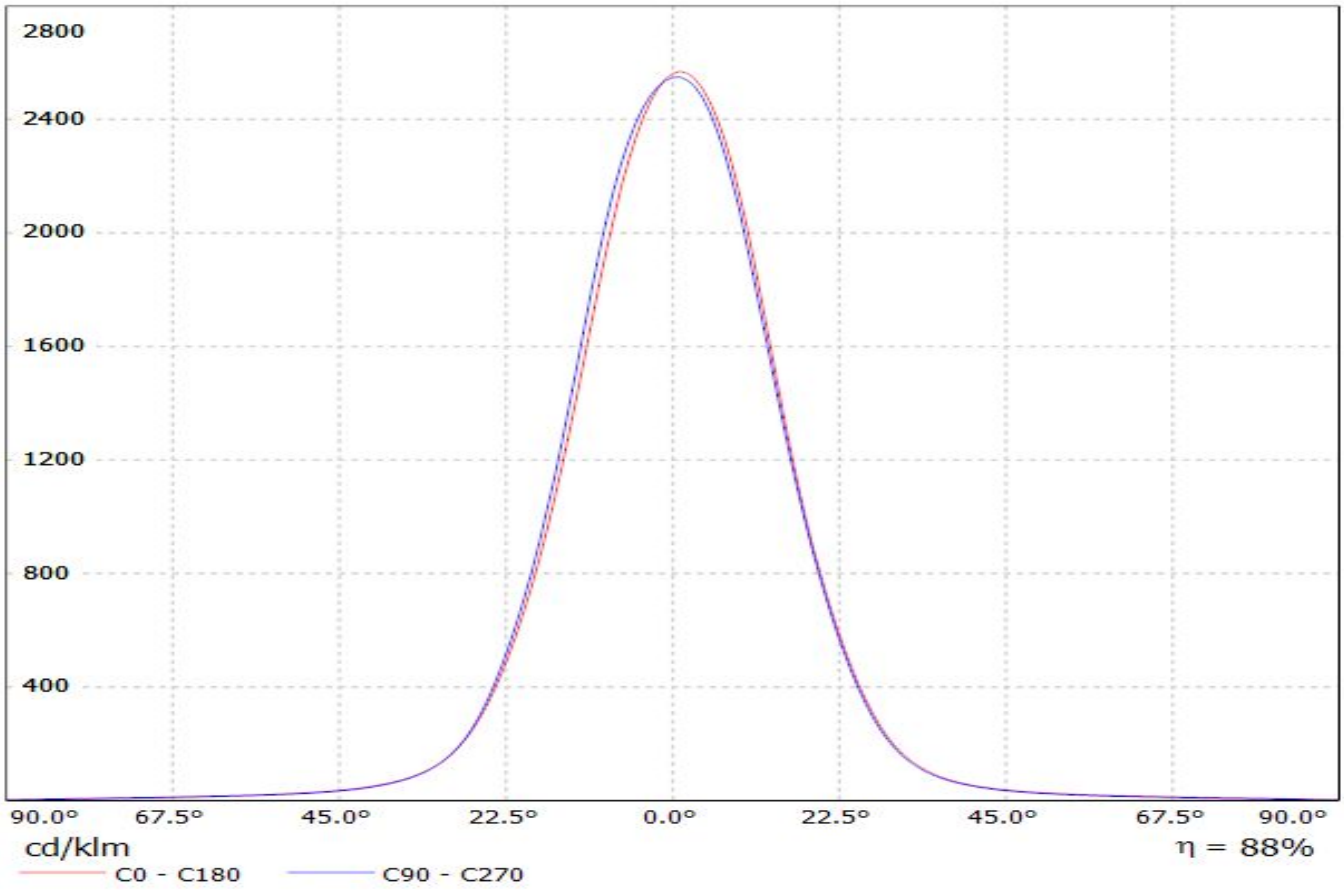
Luminaire: LEDiL Oy CA12011_LAURA-SS-PIN_(LUXEON_T)_1 Eff.92.4%
Lamps: 1 x LUXEON T (74lm@250mA)



Luminaire: LEDiL Oy CA11960_LAURA-D-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (65lm@250mA)

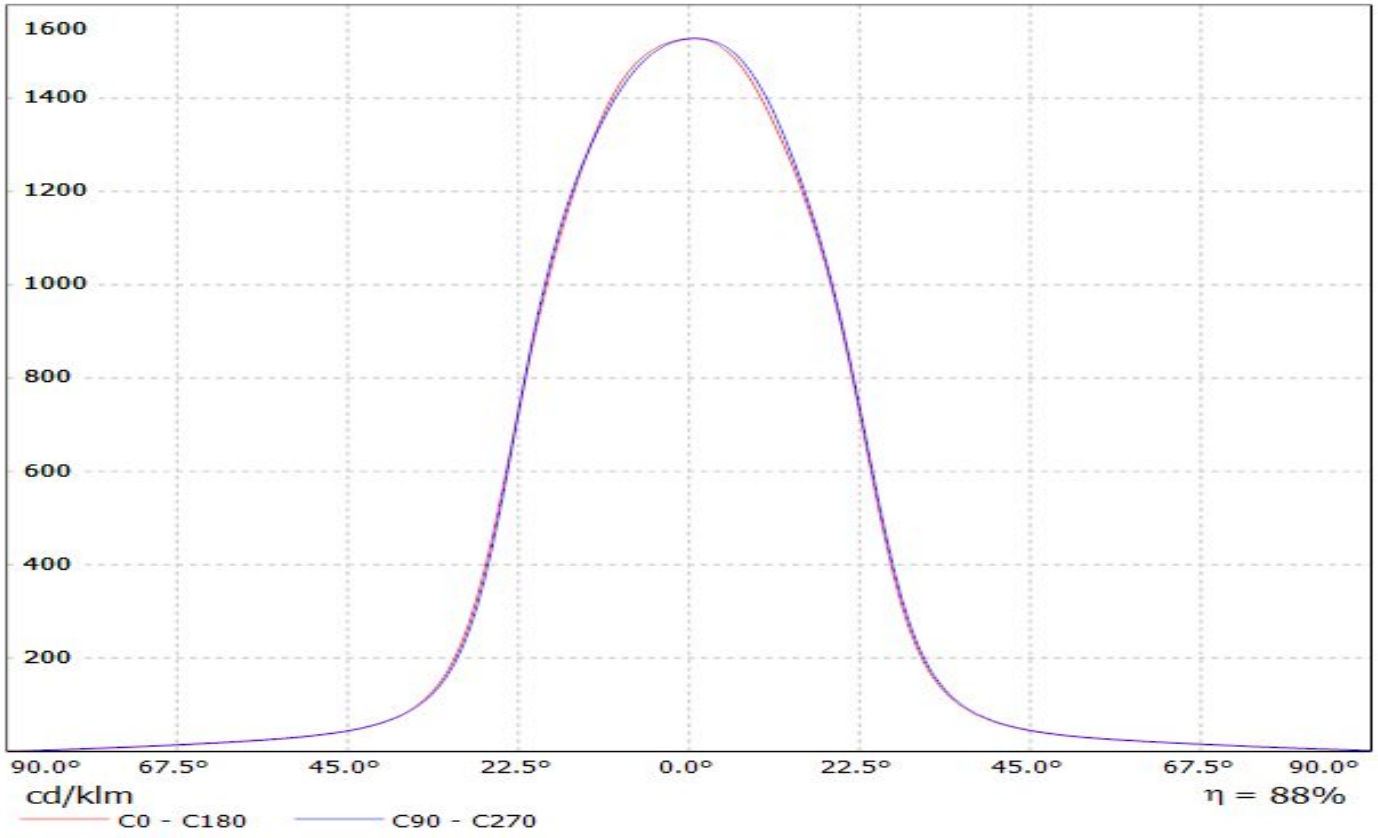


Luminaire: LEDiL Oy CA11837_LAURA-M-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (69lm@250mA)



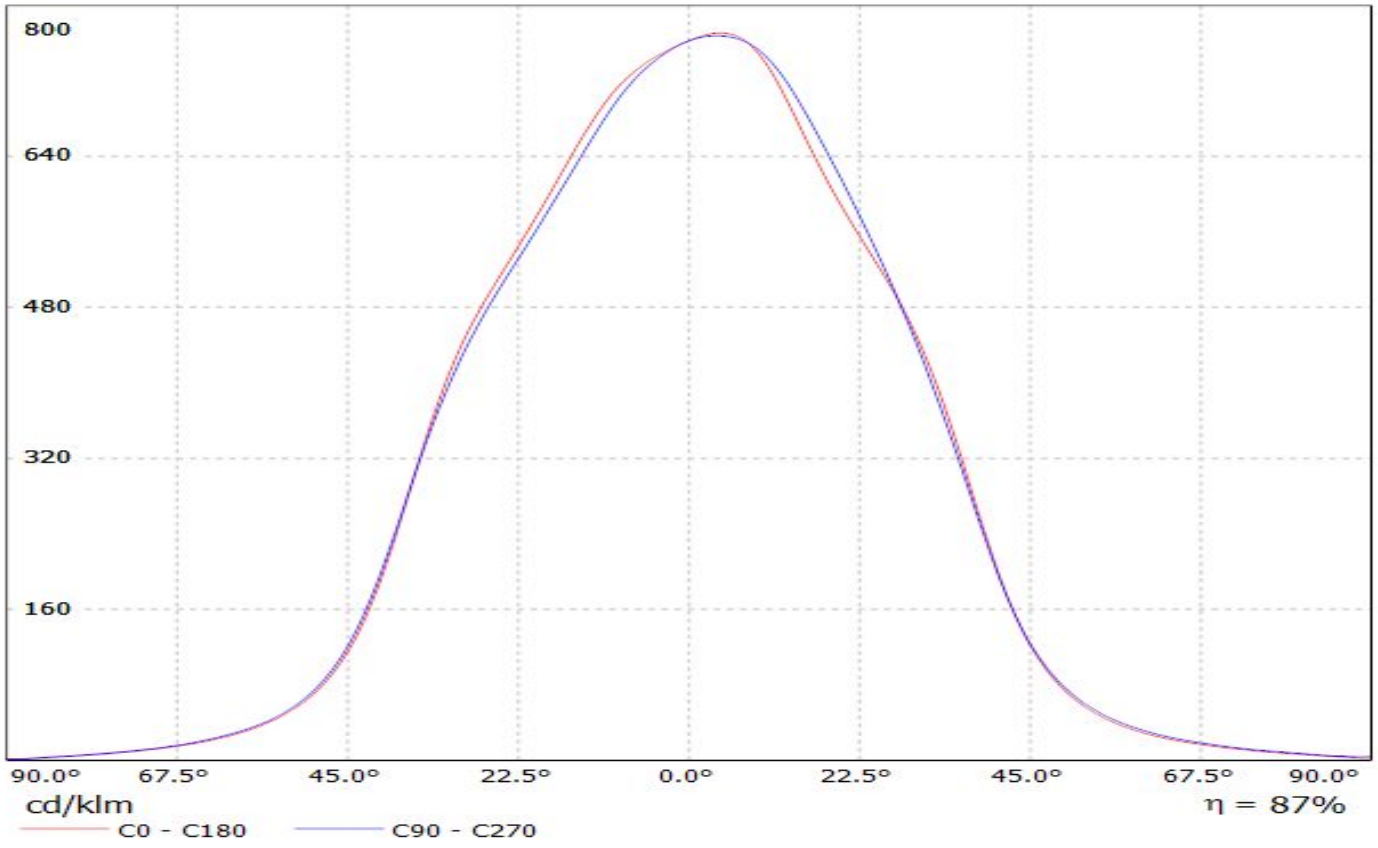
LEDiL Oy CA12344_LAURA-W-PIN_(LUXEON_T)_1 Eff.87.6% / LDC (Linear)

Luminaire: LEDiL Oy CA12344_LAURA-W-PIN_(LUXEON_T)_1 Eff.87.6%
Lamps: 1 x LUXEON T (74lm@250mA)



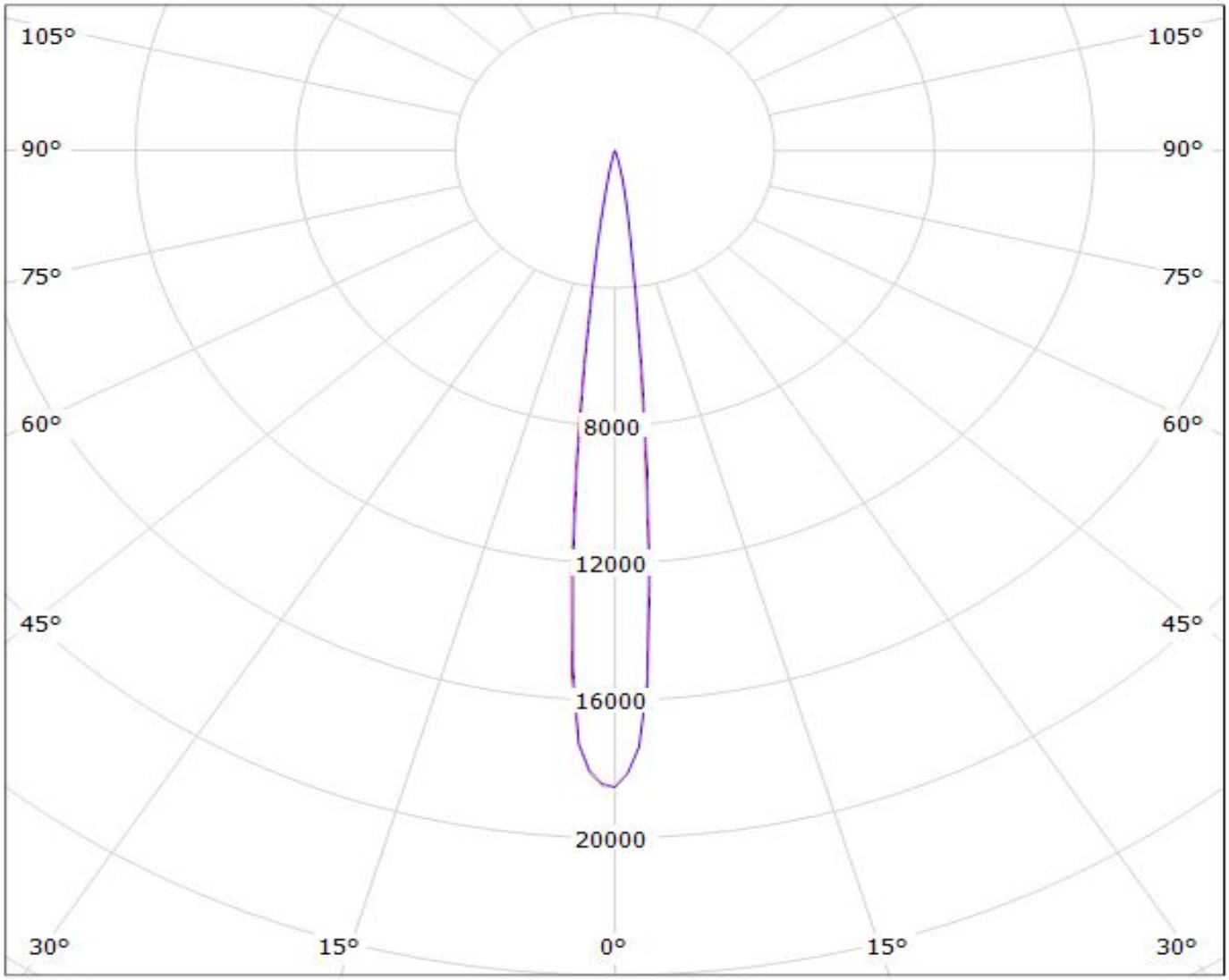
LEDiL Oy CA12325_LAURA-WW-PIN_(LUXEON_T)_3 Eff.87.2% / LDC (Linear)

Luminaire: LEDiL Oy CA12325_LAURA-WW-PIN_(LUXEON_T)_3 Eff.87.2%
Lamps: 1 x LUXEON T (74lm@250mA)



LEDiL Oy CA11959_LAURA-RS-PIN_(LUXEON_T)_2 Eff.92.0% / LDC (Polar)

Luminaire: LEDiL Oy CA11959_LAURA-RS-PIN_(LUXEON_T)_2 Eff.92.0%
Lamps: 1 x LUXEON T (74lm@250mA)



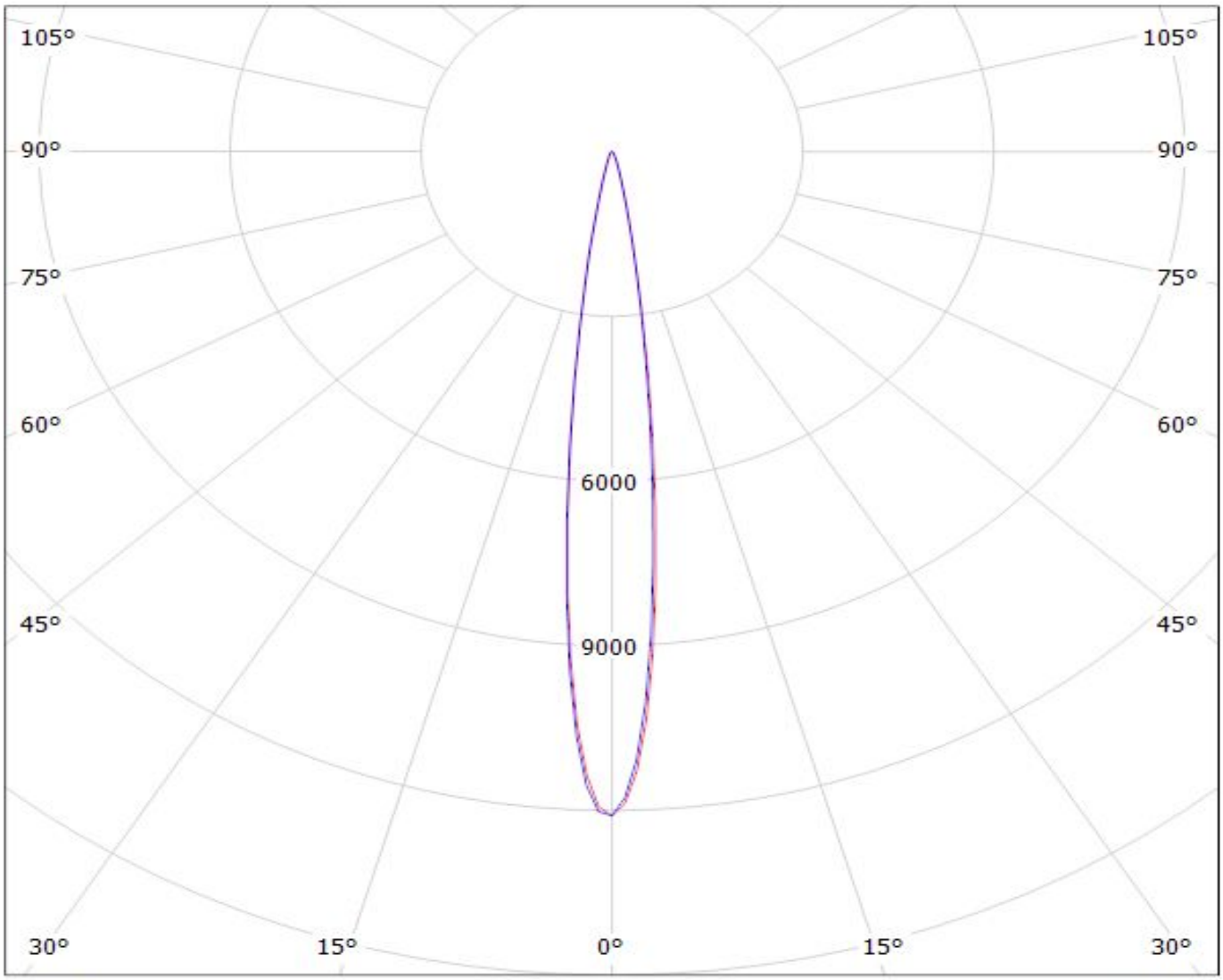
cd/klm

η = 92%

C0 - C180 C90 - C270

LEDiL Oy CA12011_LAURA-SS-PIN_(LUXEON_T)_1 Eff.92.4% / LDC (Polar)

Luminaire: LEDiL Oy CA12011_LAURA-SS-PIN_(LUXEON_T)_1 Eff.92.4%
Lamps: 1 x LUXEON T (74lm@250mA)

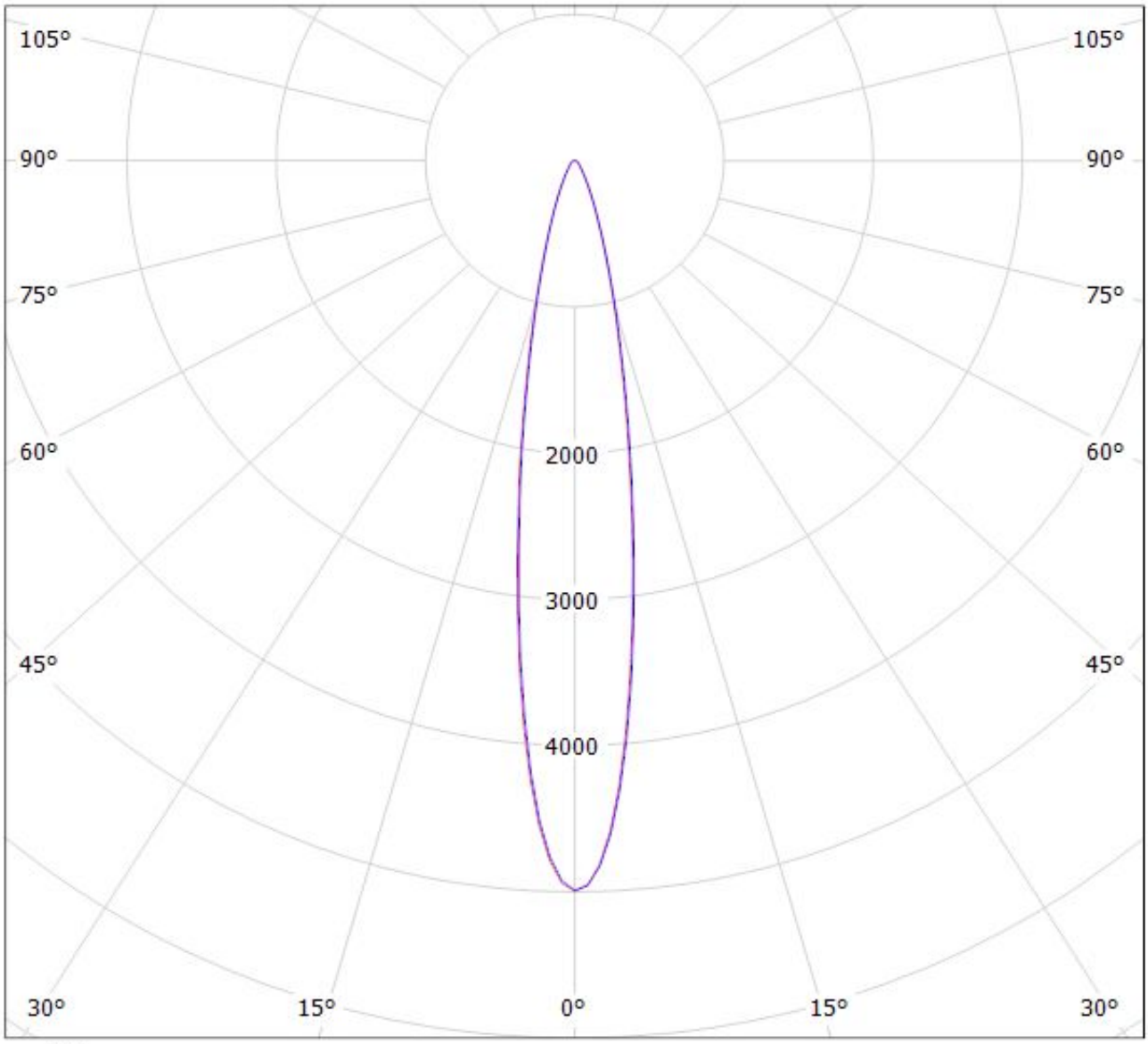


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA11960_LAURA-D-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (65lm@250mA)

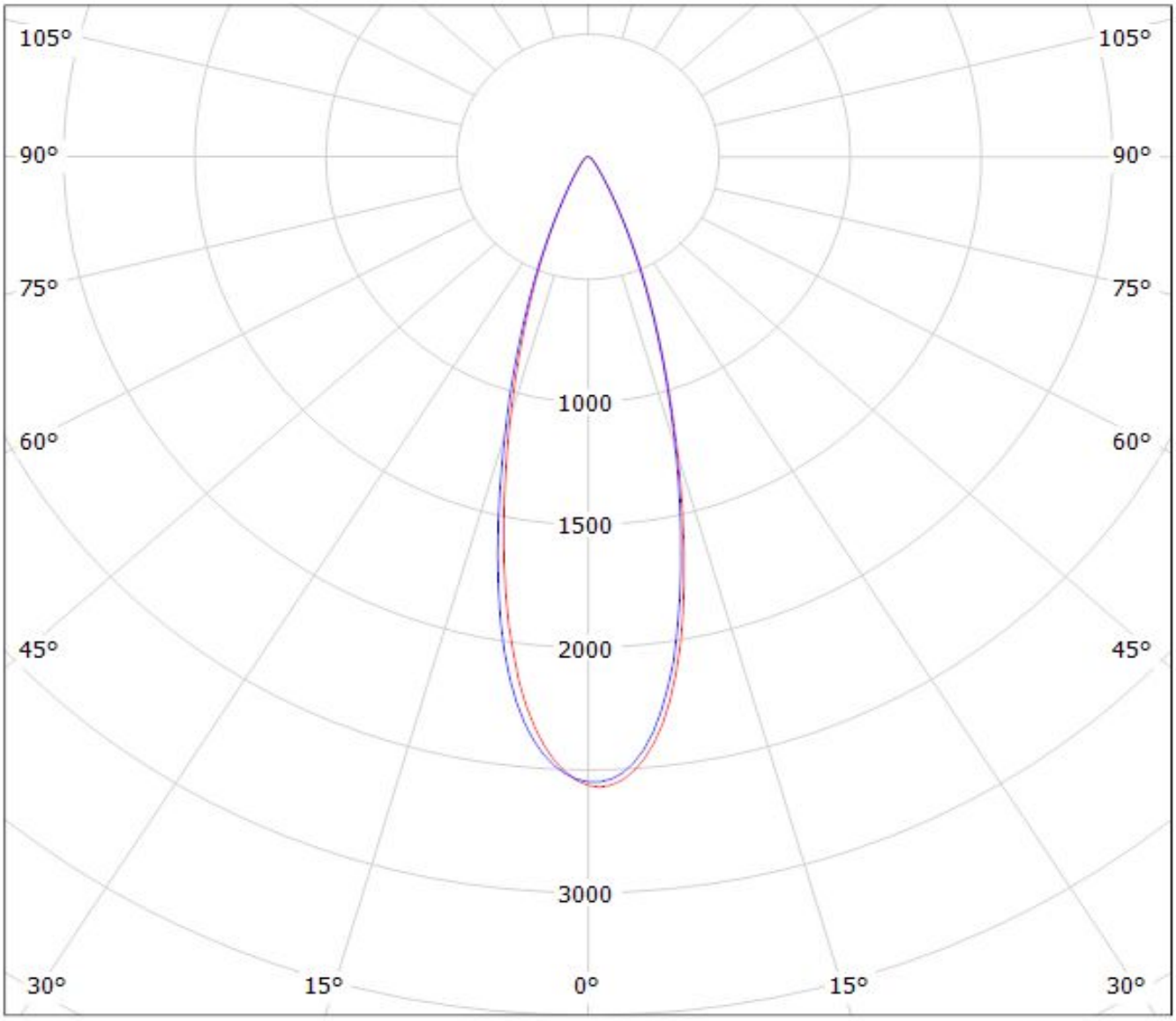


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA11837_LAURA-M-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (69lm@250mA)



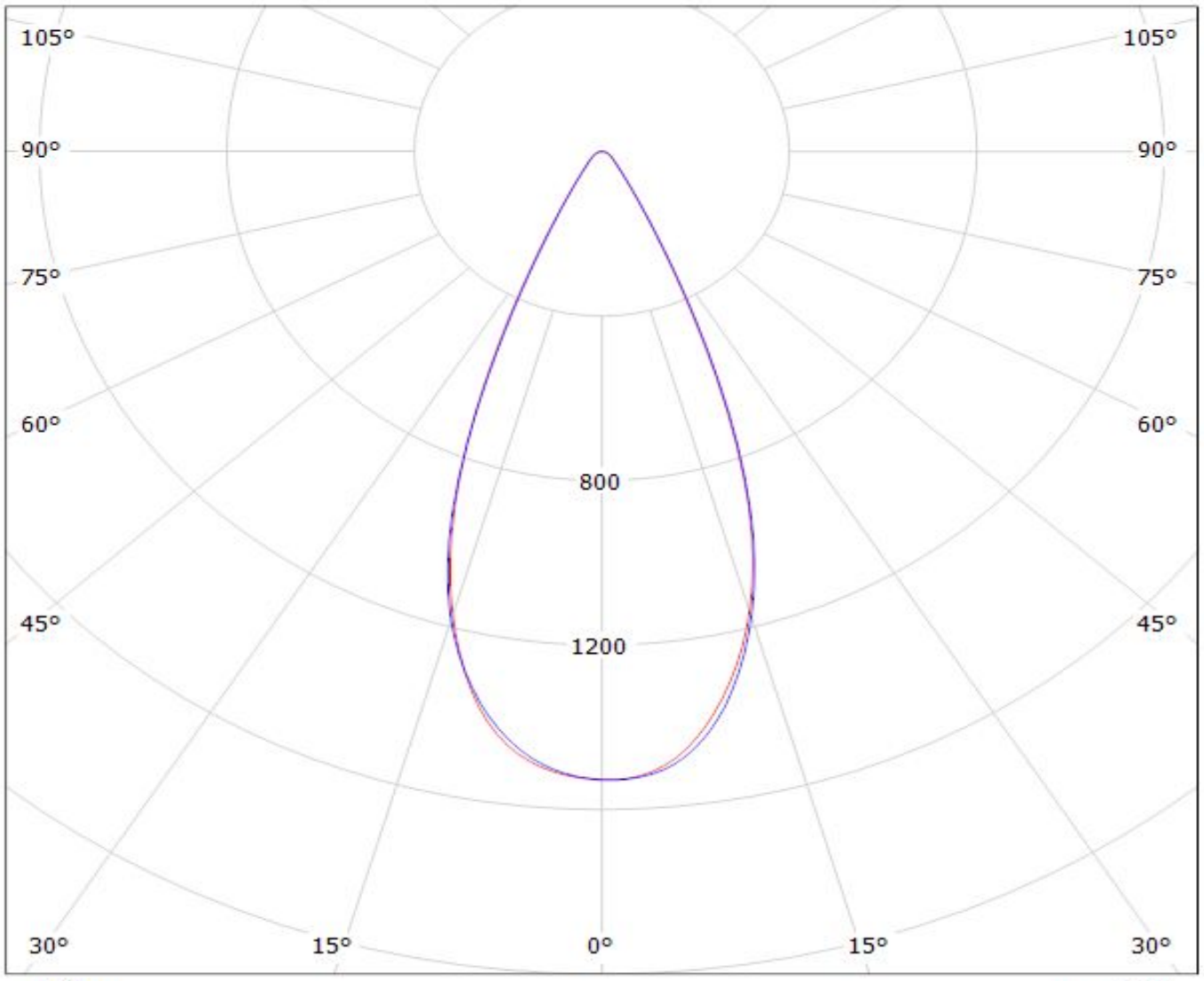
cd/klm

η = 88%

C0 - C180 C90 - C270

LEDiL Oy CA12344_LAURA-W-PIN_(LUXEON_T)_1 Eff.87.6% / LDC (Polar)

Luminaire: LEDiL Oy CA12344_LAURA-W-PIN_(LUXEON_T)_1 Eff.87.6%
Lamps: 1 x LUXEON T (74lm@250mA)



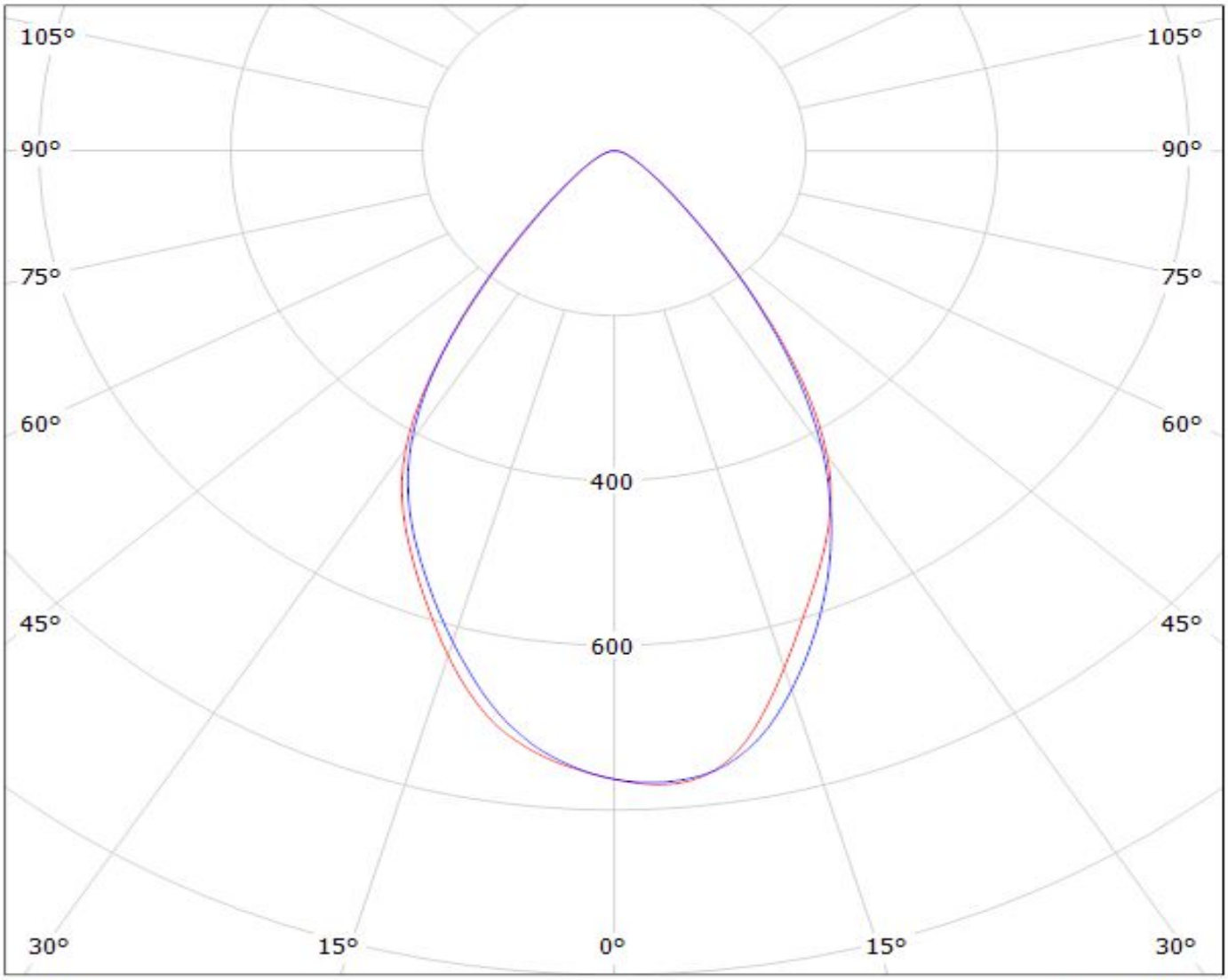
cd/klm

η = 88%

C0 - C180 C90 - C270

LEDiL Oy CA12325_LAURA-WW-PIN_(LUXEON_T)_3 Eff.87.2% / LDC (Polar)

Luminaire: LEDiL Oy CA12325_LAURA-WW-PIN_(LUXEON_T)_3 Eff.87.2%
Lamps: 1 x LUXEON T (74lm@250mA)



cd/klm

η = 87%

C0 - C180 C90 - C270