

**Ordering number CA13307_LAURA-O-WAS-PIN**

Family	Laura	FWHM	Asym degrees
Type	Assembly	Efficiency	83 %
LED	XB-D	cd/Im	2.500
Color	White	Gerber File	Available
Diameter	21.6x21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CP13308_LAURA-O-WAS-PG**

Family	Laura	FWHM	Asym degrees
Type	Assembly	Efficiency	83 %
LED	XB-D	cd/Im	2.500
Color	White	Gerber File	Available
Diameter	21.6x21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

**Ordering number CP13311_LAURA-SS-WAS-PG**

Family	Laura	FWHM	Asym degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/Im	9.200
Color	White	Gerber File	Available
Diameter	21.6x21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

**Ordering number CA13312_LAURA-SS-WAS-PIN**

Family	Laura	FWHM	Asym degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/Im	9.200
Color	White	Gerber File	Available
Diameter	21.6x21.6 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	11 degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/Im	14.400
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 CA11837_LAURA-M-PIN**

Family	Laura	FWHM	28 degrees
Type	Assembly	Efficiency	92 %
LED	XB-D	cd/Im	2.470
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		

**Ordering number CA12012_LAURA-O-PIN**

Family	Laura	FWHM	39+11 degrees
Type	Assembly	Efficiency	94 %
LED	XB-D	cd/Im	4.810
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 CA12344_LAURA-W-PIN**

Family	Laura	FWHM	42 degrees
Type	Assembly	Efficiency	86 %
LED	XB-D	cd/Im	1.520
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	48 degrees
Type	Assembly	Efficiency	86 %
LED	XB-D	cd/Im	0.900
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.



PRODUCT DATASHEET

Laura series

last update 14/6/2012

GENERAL INFORMATION

- Product series especially designed & optimized for XB-D 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.

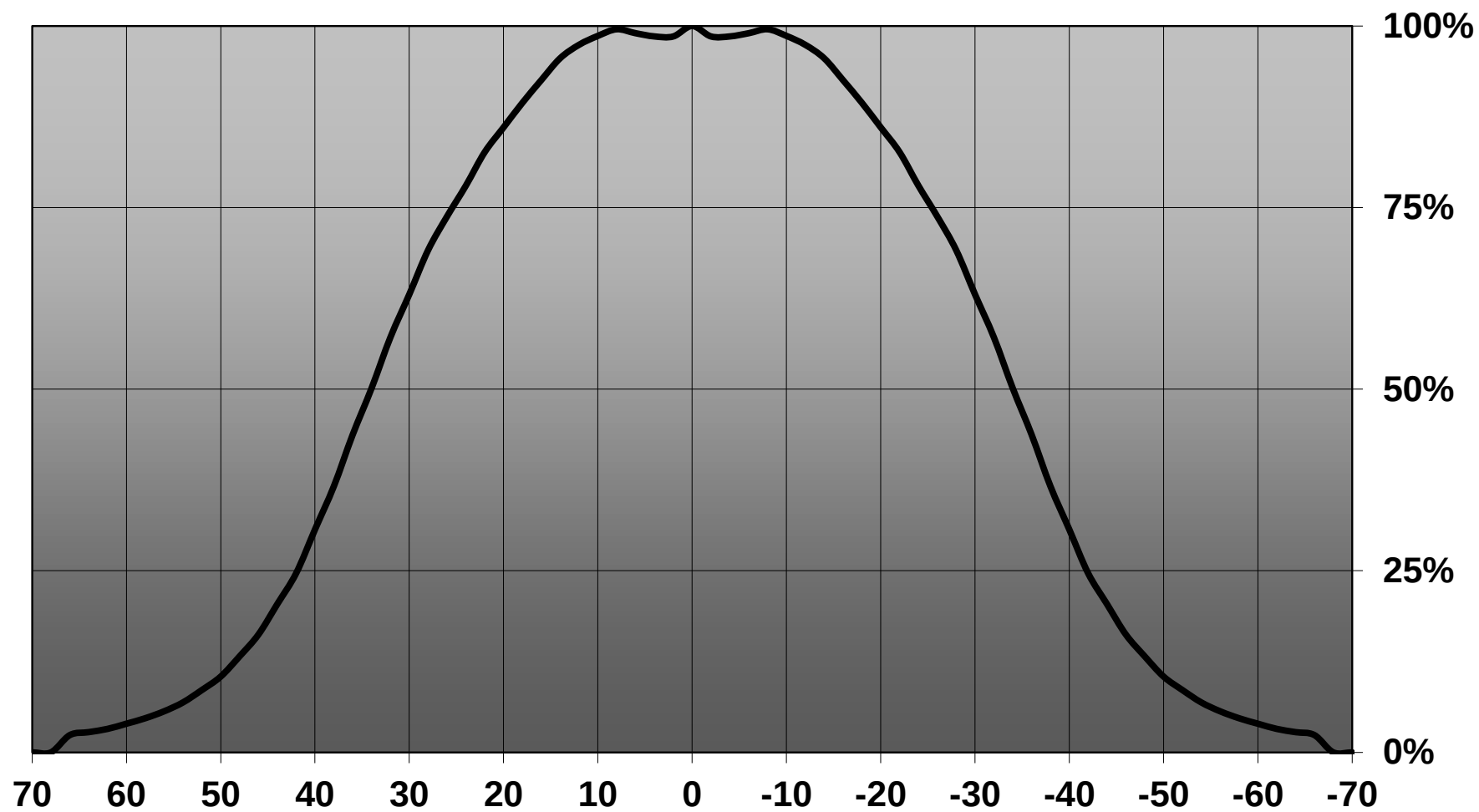
Please find more information about used material from below:

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>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

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



4

3

2

1

D

C

B

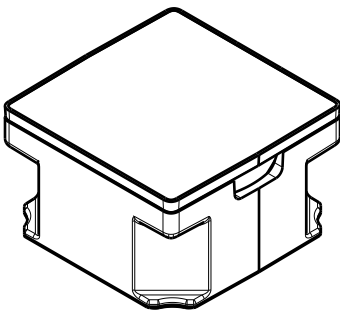
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4

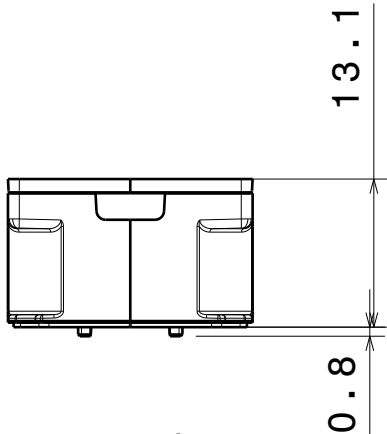
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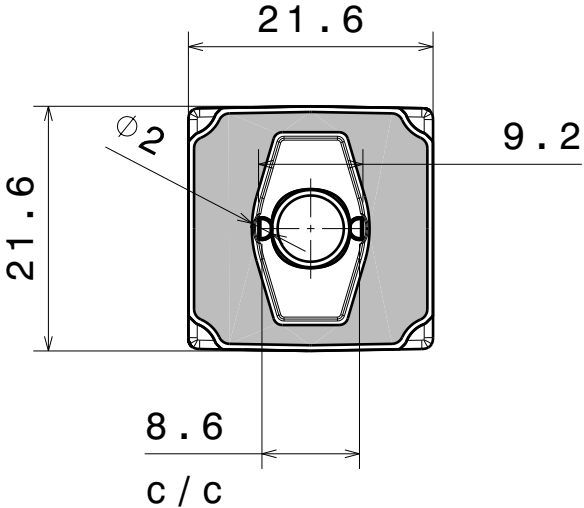
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Isometric view



Front view



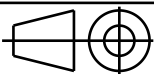
Bottom view

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

LAURA-WAS-PIN-TAPE

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agreement with LEDiL Oy."

SIZE

A4

PART NUMBER

-

SCALE

3:2

WEIGHT

-

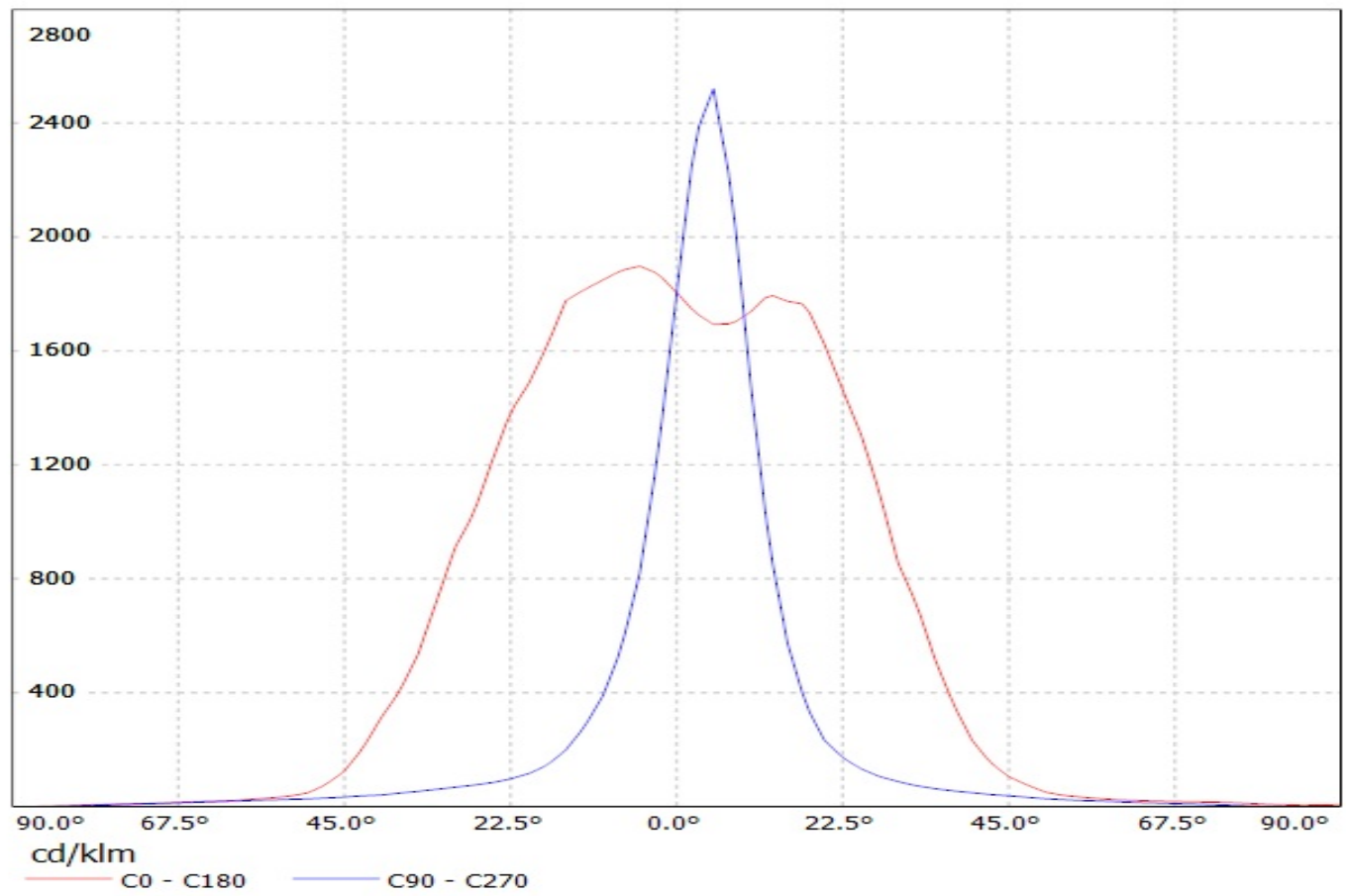
SHEET

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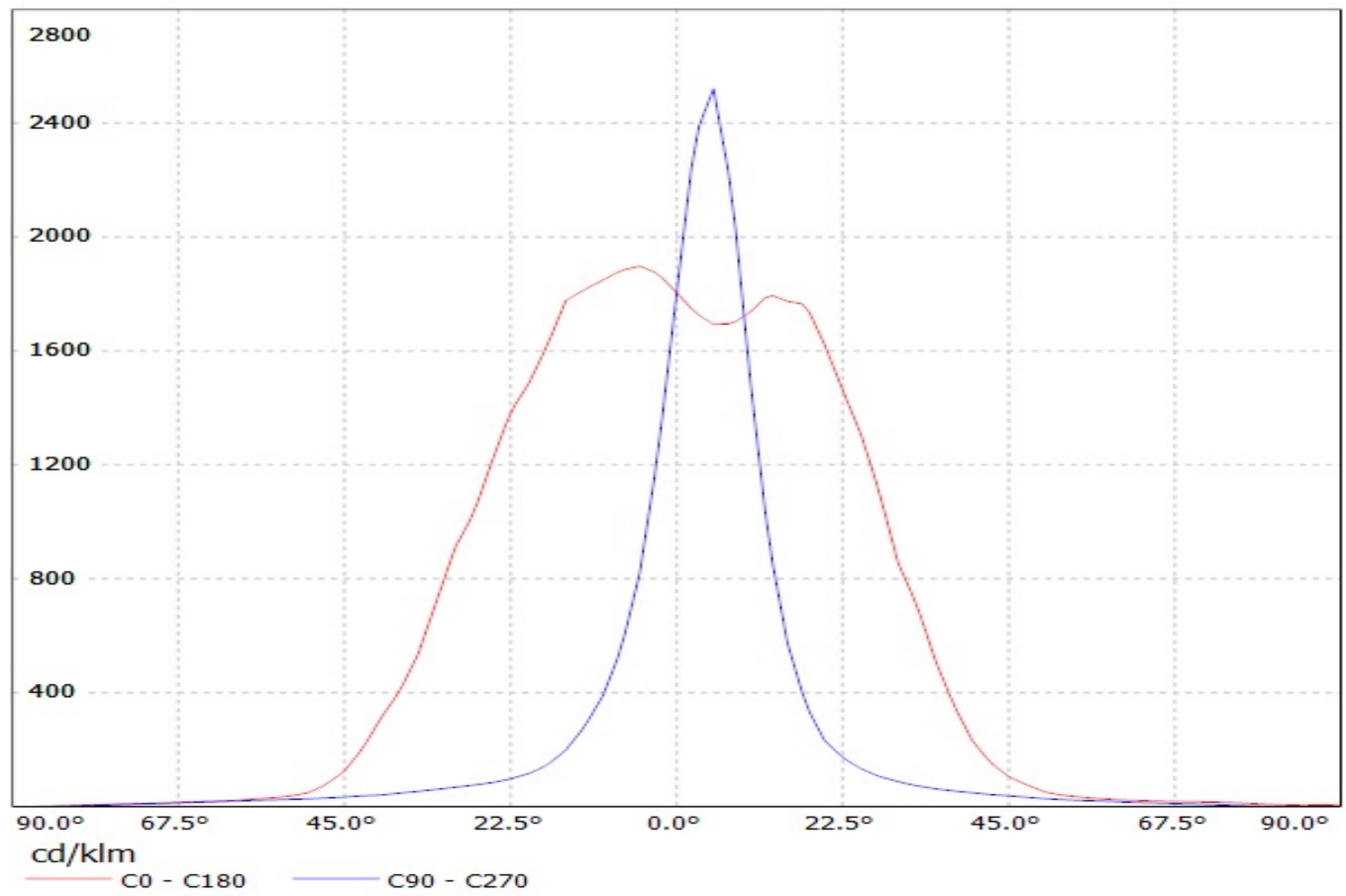
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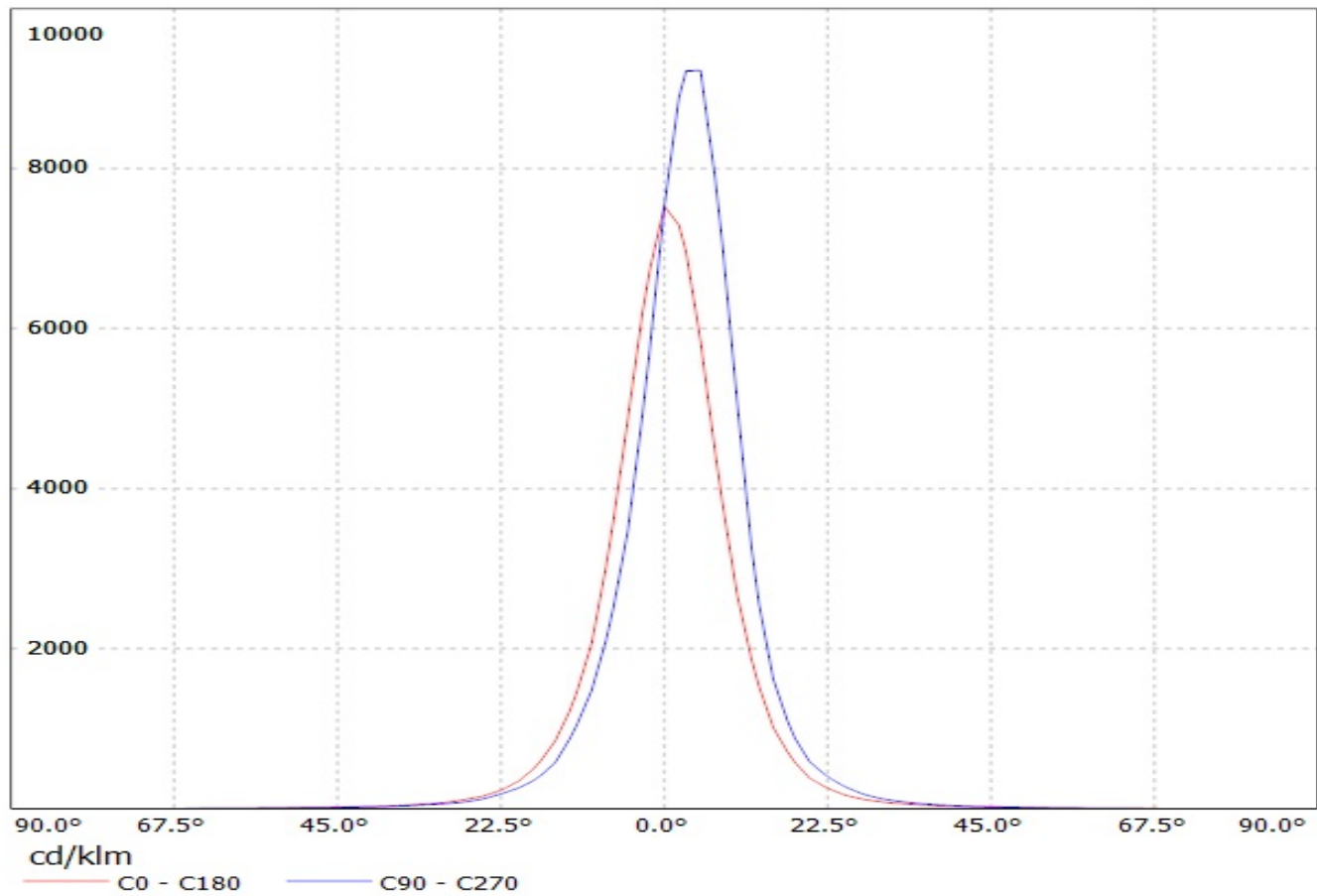
Luminaire: Ledil Oy CP13311&CA13312_LAURA-SS-WAS (Cree XB-D 94lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree XB-D 94lm @ 250mA



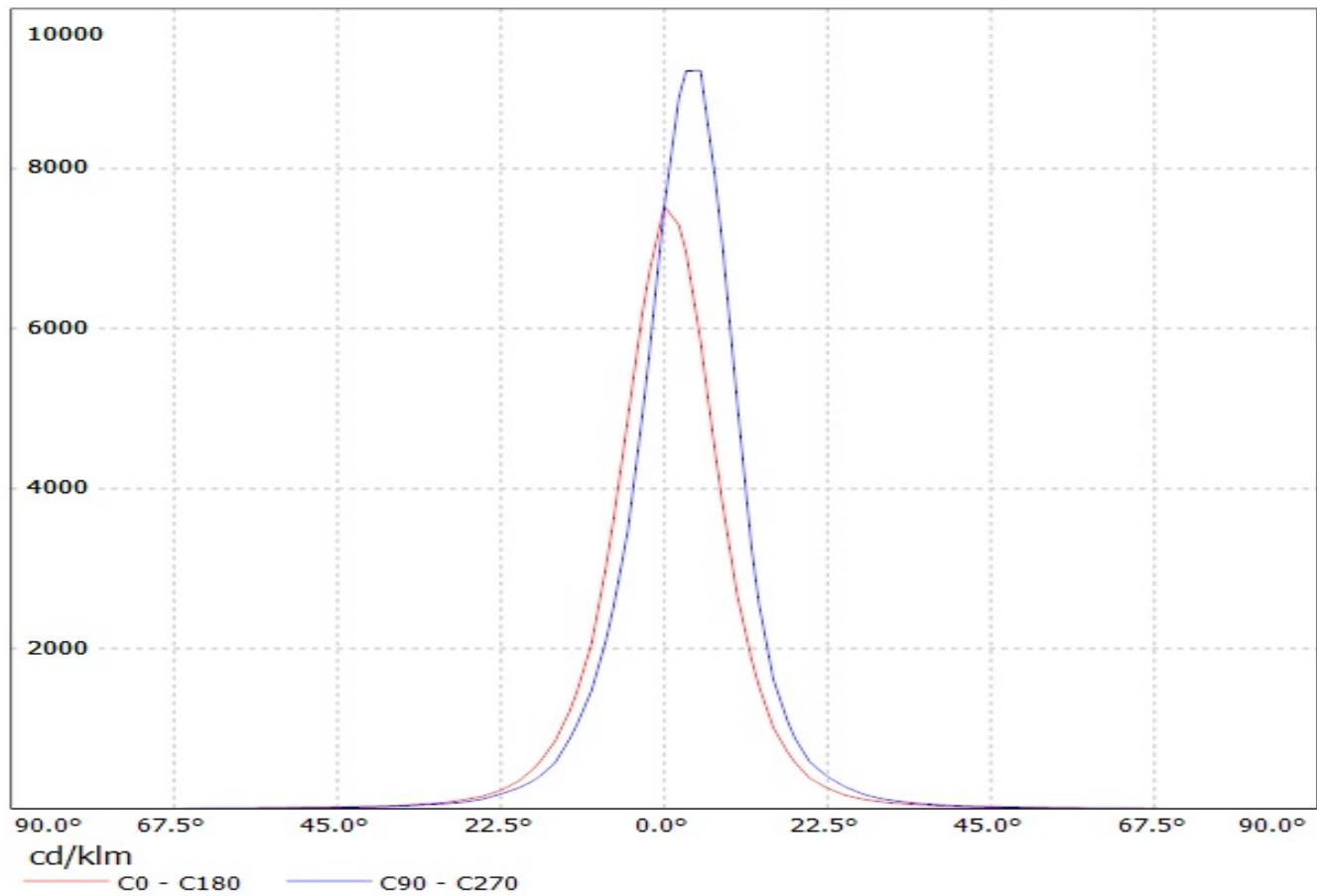
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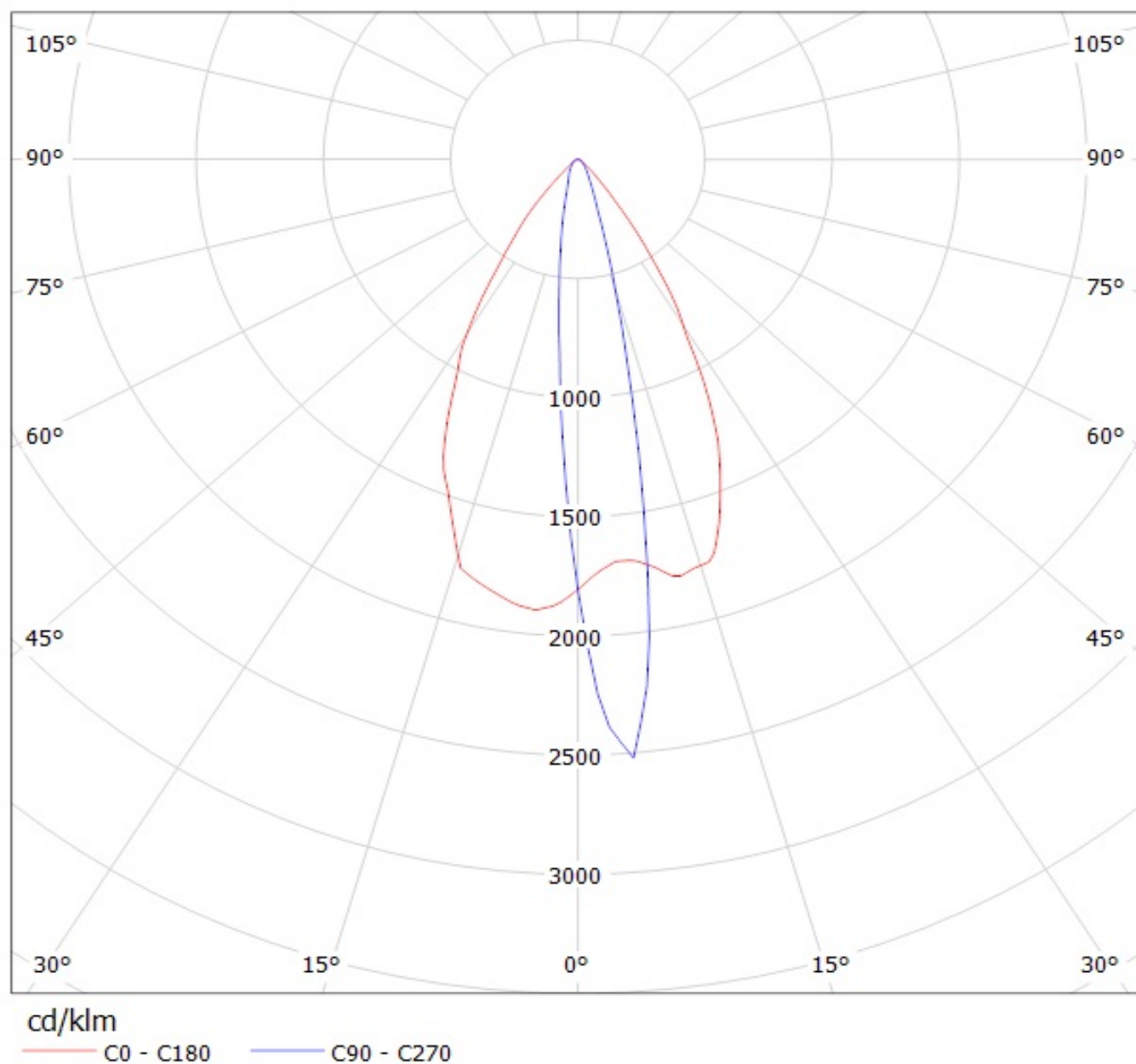
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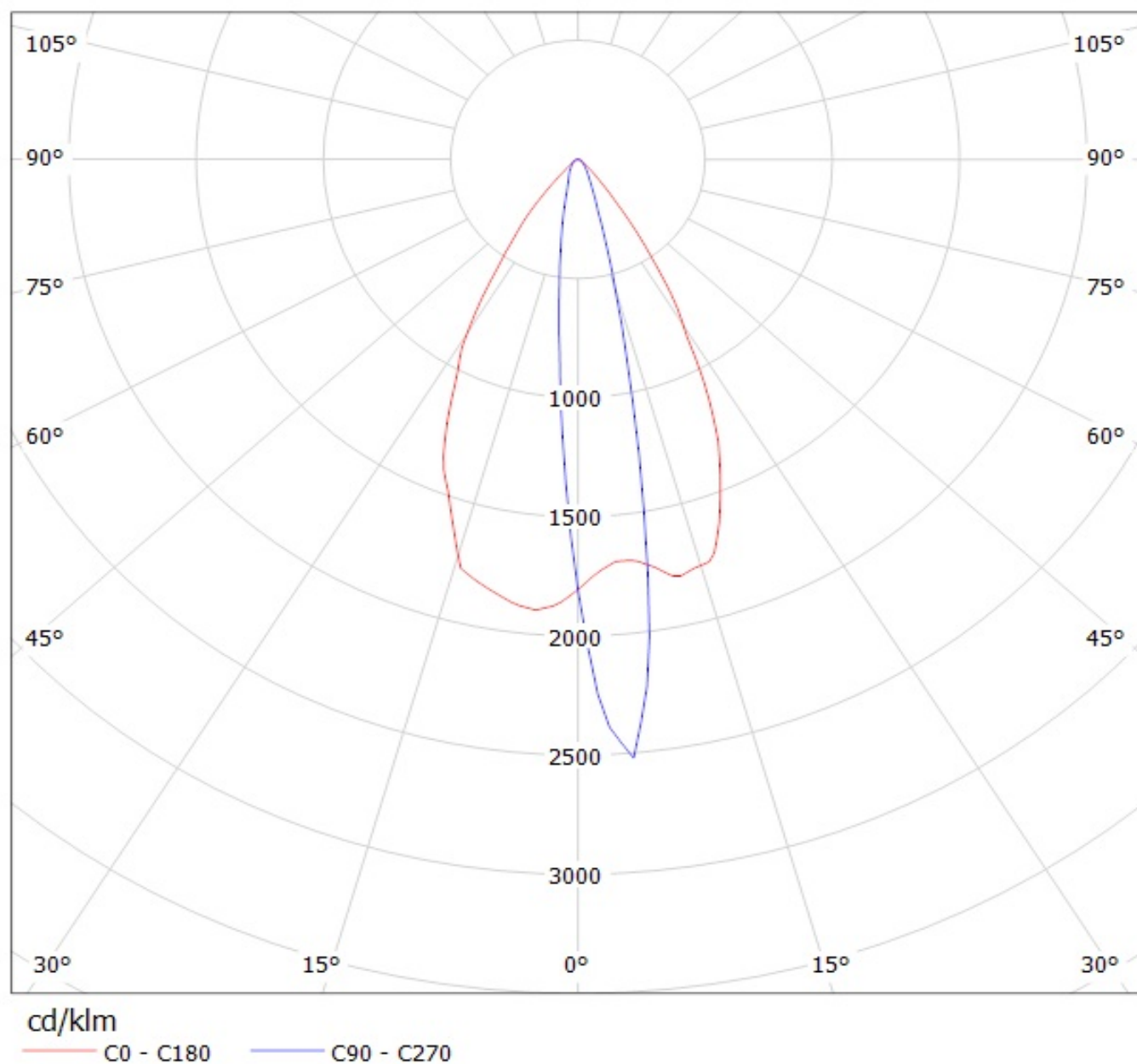
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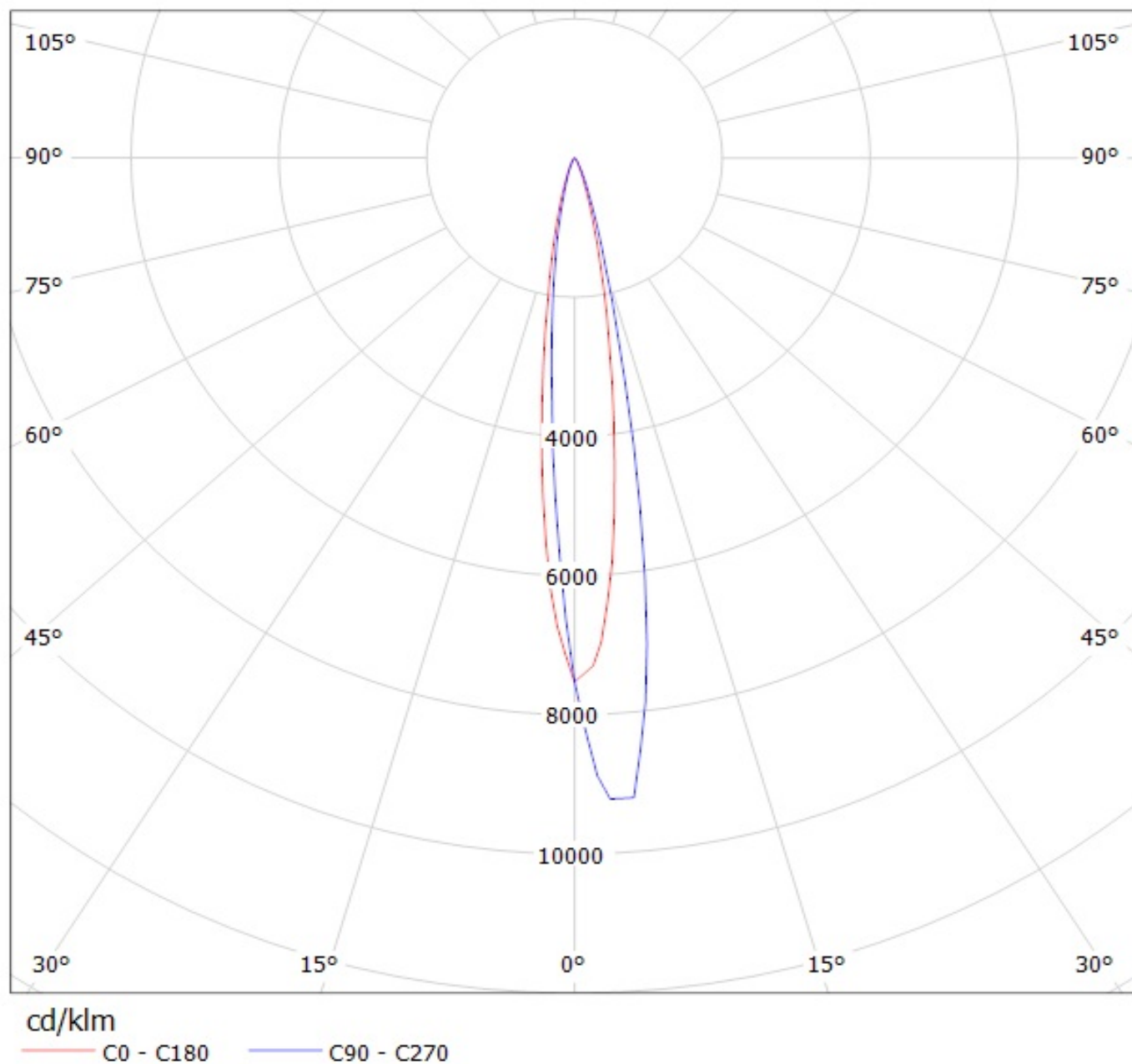
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