

**Ordering number CA11171_TINA2-RS**

Family	Tina2	FWHM	18 degrees
Type	Assembly	Efficiency	89 %
LED	MX-6	cd/Im	5.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CP12682_TINA2-RS**

Family	Tina2	FWHM	18 degrees
Type	Assembly	Efficiency	89 %
LED	MX-6	cd/Im	5.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CA11172_TINA2-D**

Family	Tina2	FWHM	20 degrees
Type	Assembly	Efficiency	-
LED	MX-6	cd/Im	4.000
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CP12683_TINA2-D**

Family	Tina2	FWHM	20 degrees
Type	Assembly	Efficiency	86 %
LED	MX-6	cd/Im	4.000
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CA11174_TINA2-M**

Family	Tina2	FWHM	30 degrees
Type	Assembly	Efficiency	83 %
LED	MX-6	cd/Im	2.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CP12685_TINA2-M**

Family	Tina2	FWHM	30 degrees
Type	Assembly	Efficiency	83 %
LED	MX-6	cd/Im	2.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CA11173_TINA2-O**

Family	Tina2	FWHM	34+21 degrees
Type	Assembly	Efficiency	85 %
LED	MX-6	cd/Im	2.500
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CA11175_TINA2-W**

Family	Tina2	FWHM	40 degrees
Type	Assembly	Efficiency	87 %
LED	MX-6	cd/Im	1.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CP12686_TINA2-W**

Family	Tina2	FWHM	40 degrees
Type	Assembly	Efficiency	87 %
LED	MX-6	cd/Im	1.200
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CA11176_TINA2-WW**

Family	Tina2	FWHM	56 degrees
Type	Assembly	Efficiency	-
LED	MX-6	cd/Im	0.920
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

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

Tina2 series

last update 26/7/2012

GENERAL INFORMATION

- Product series especially designed & optimized for MX-6 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).

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

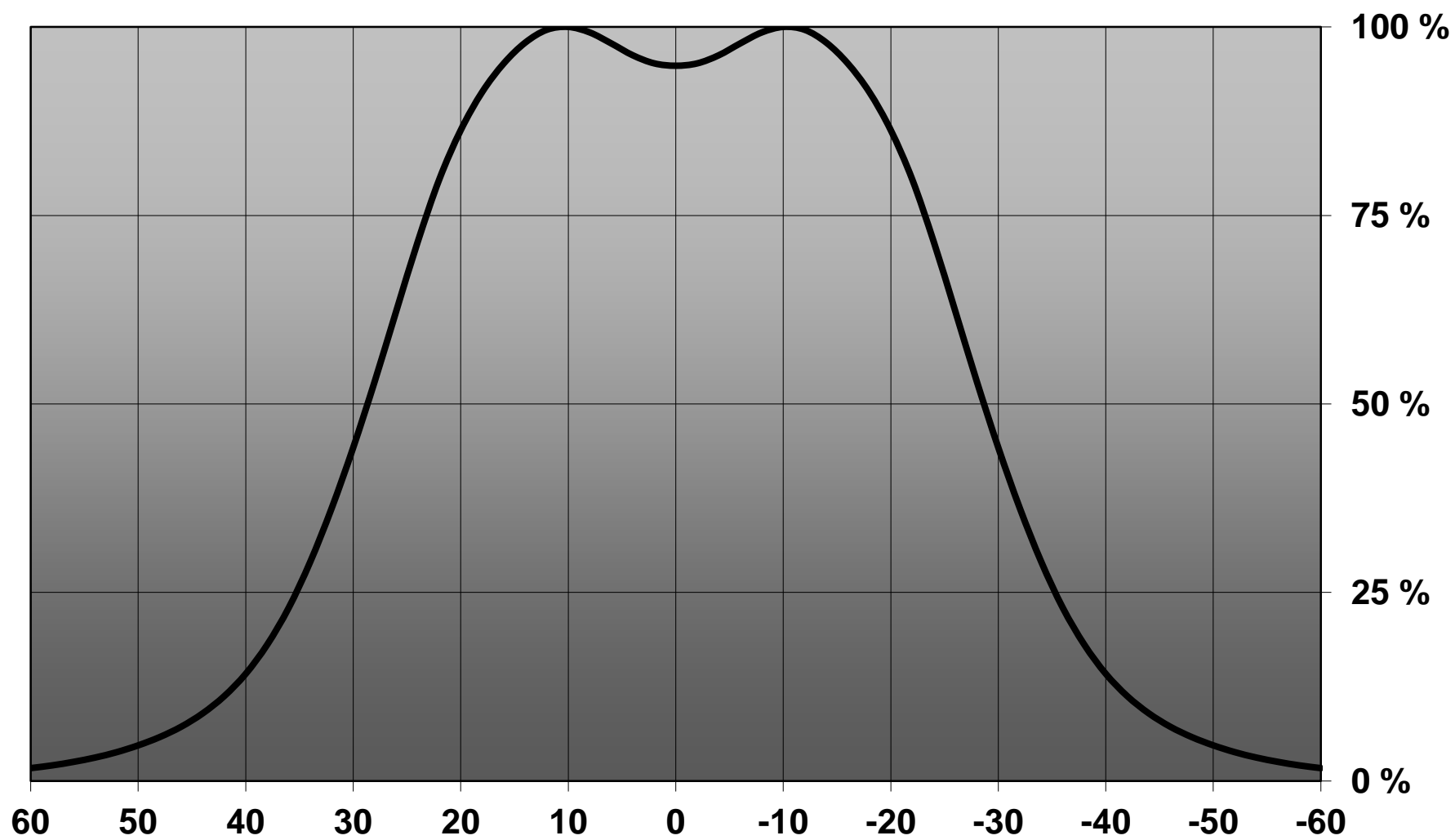
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

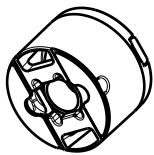
NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

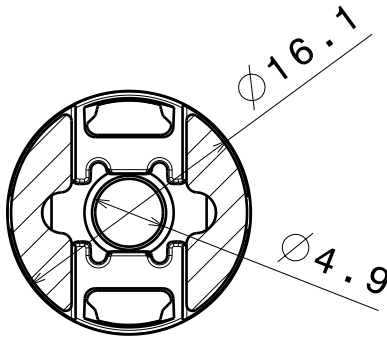
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

Relative Intensity of Tina2-WW-6N83

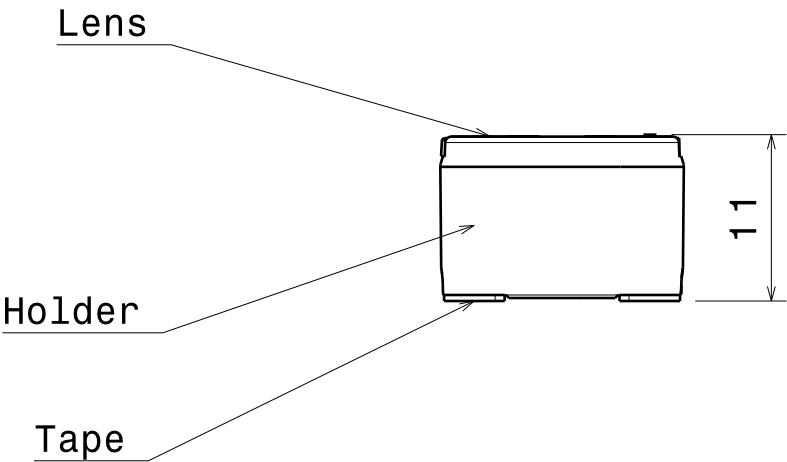




Isometric view
Scale: 1:1



Bottom view



Front view

MATERIALS
Lens: PMMA
Holder: PC
Tape: PU Foam

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Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Tina2-xN83 lens series Assy

DRAWN BY

pv

DATE

05.01.2010

CHECKED BY

sn

DATE

28.12.2009

DESIGNED BY

HH

DATE

09.11.2009

SIZE

A4

DRAWING NUMBER

REV

1

SCALE

2:1

WEIGHT (g)

-

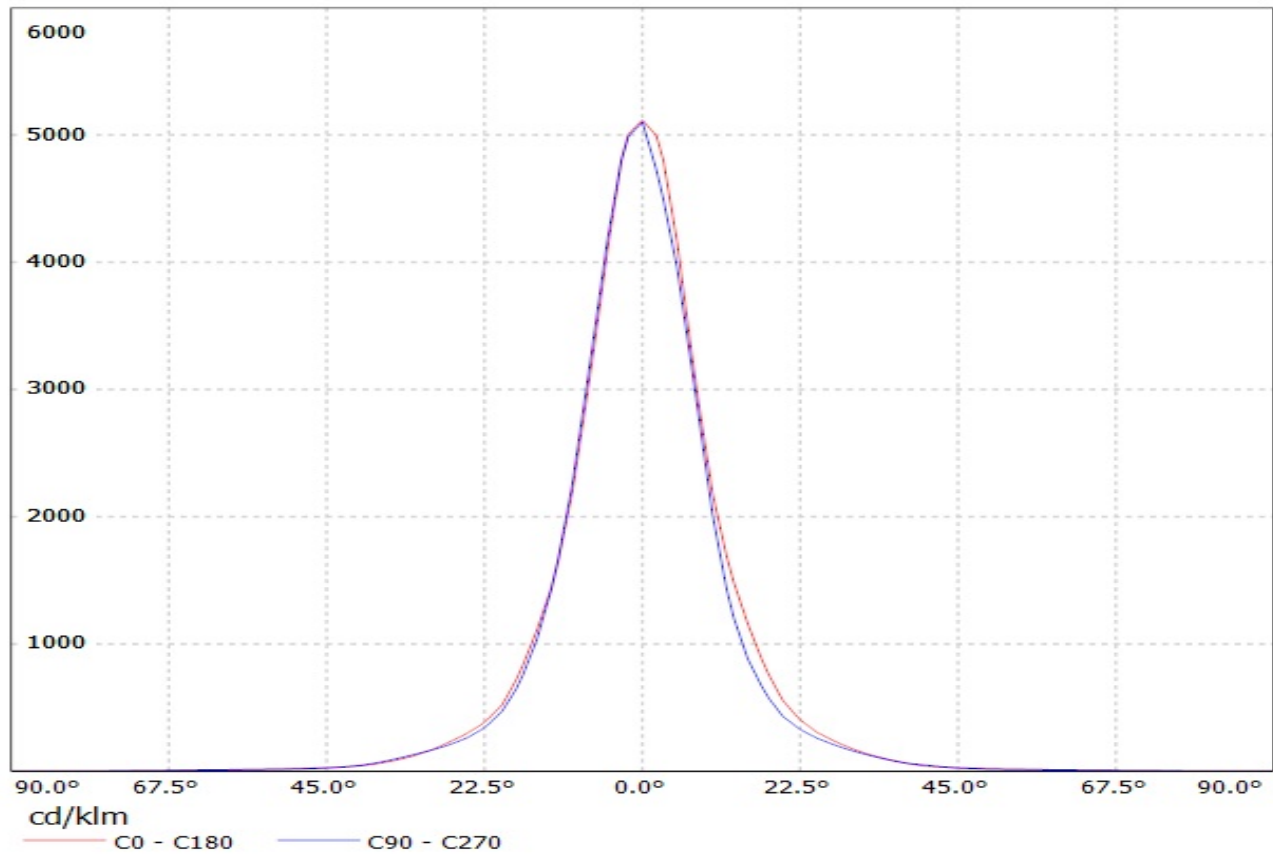
SHEET

1 / 1

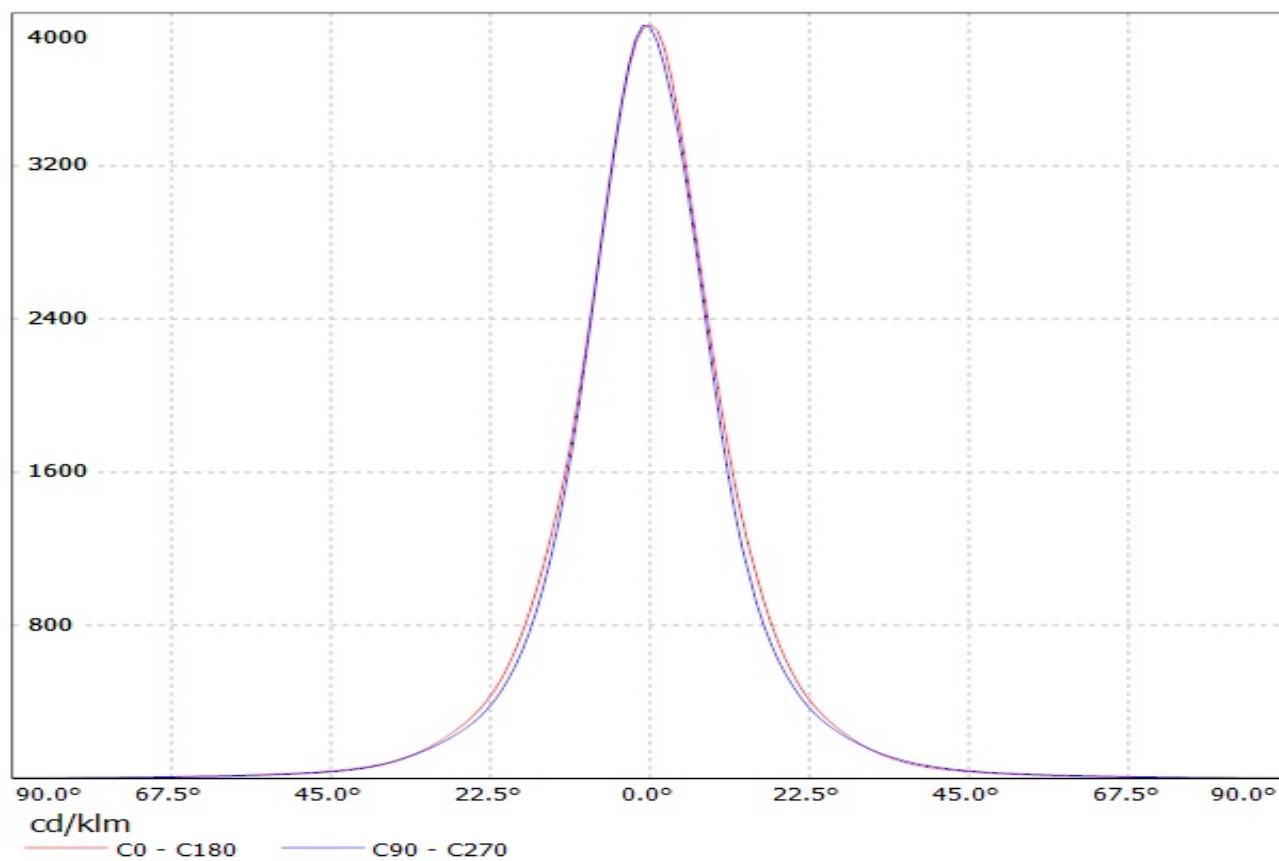
D

A

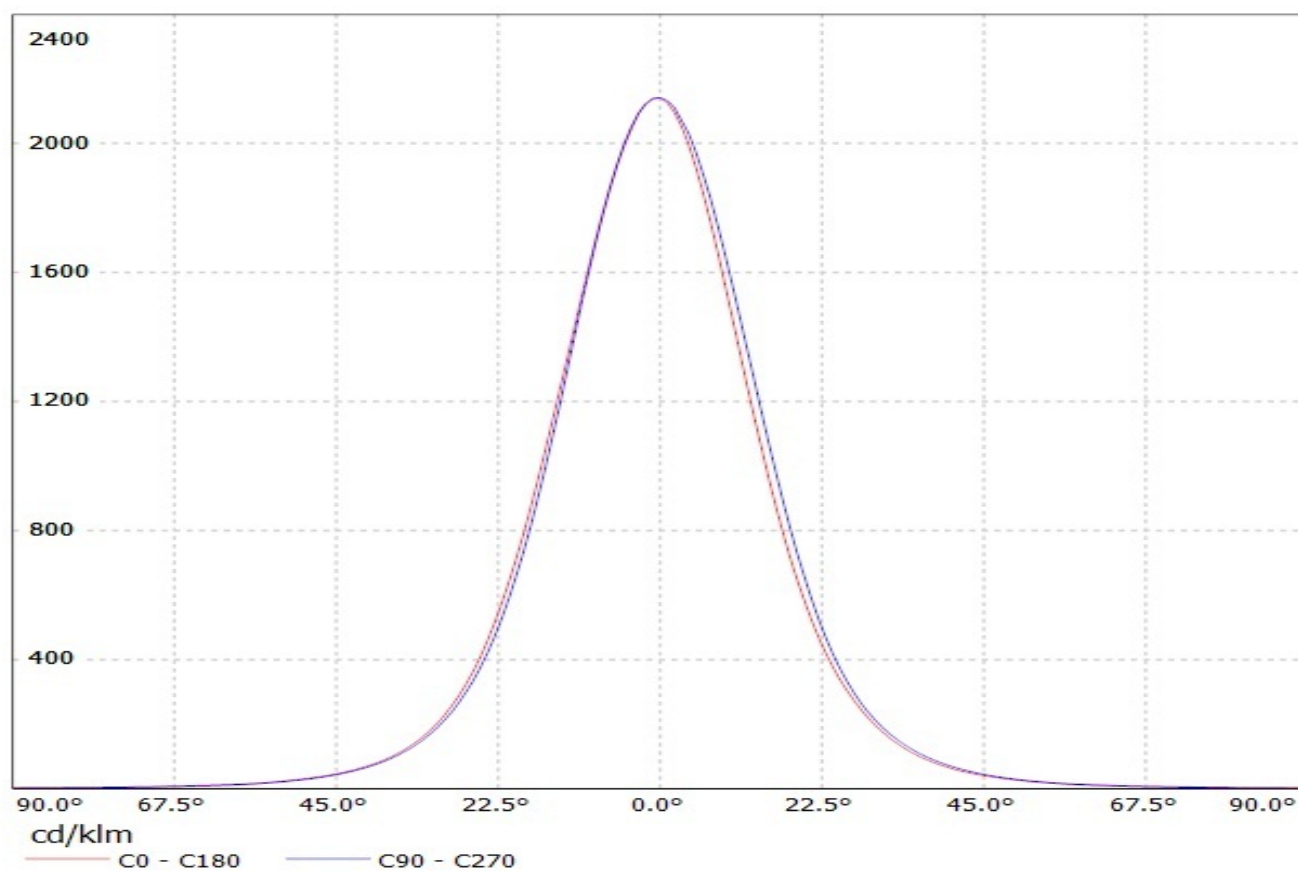
Luminaire: LEDIL OY CP12682_TINA2-RS / CA11171_TINA2-RS (Cree MX-6) Efficiency=89%
Lamps: 1 x Cree MX-6 (67lm @ 250mA)



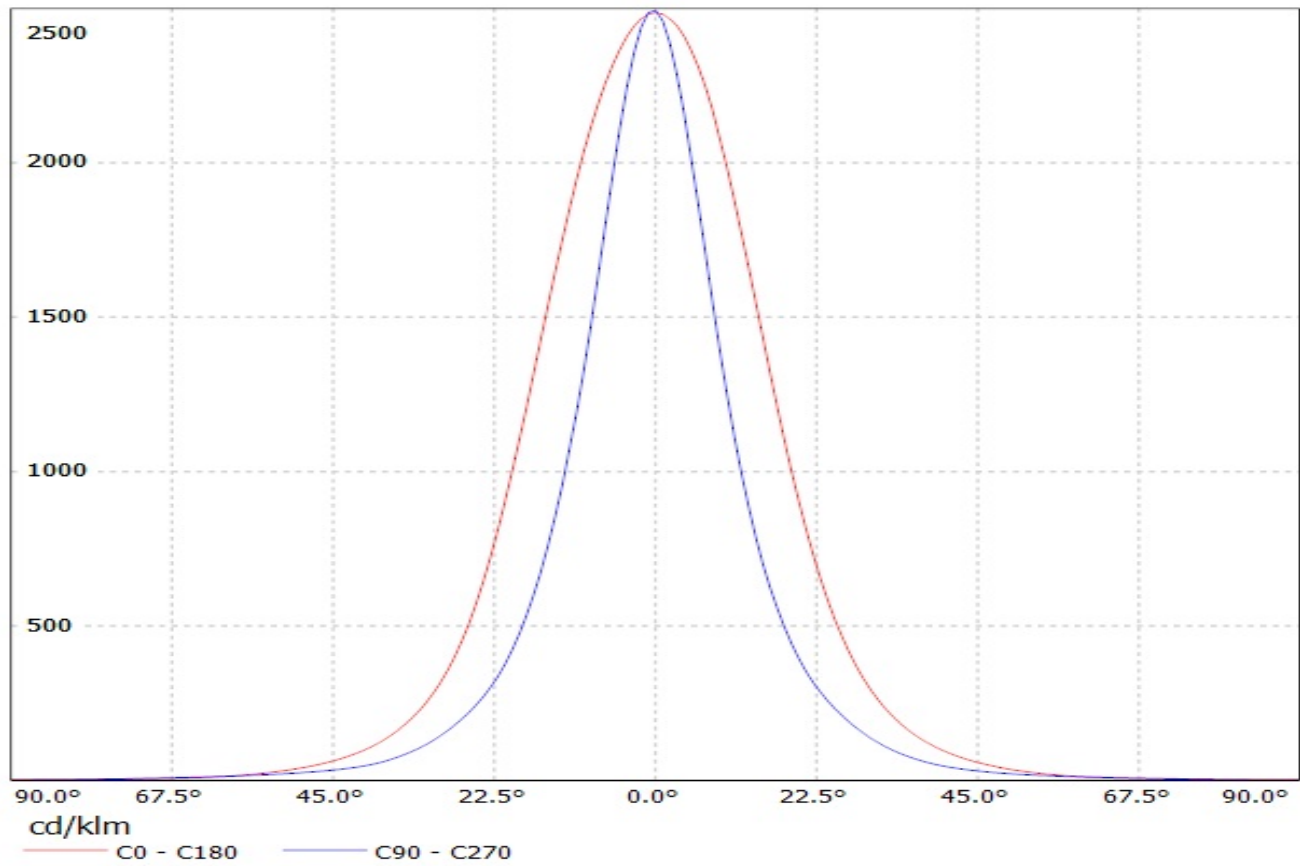
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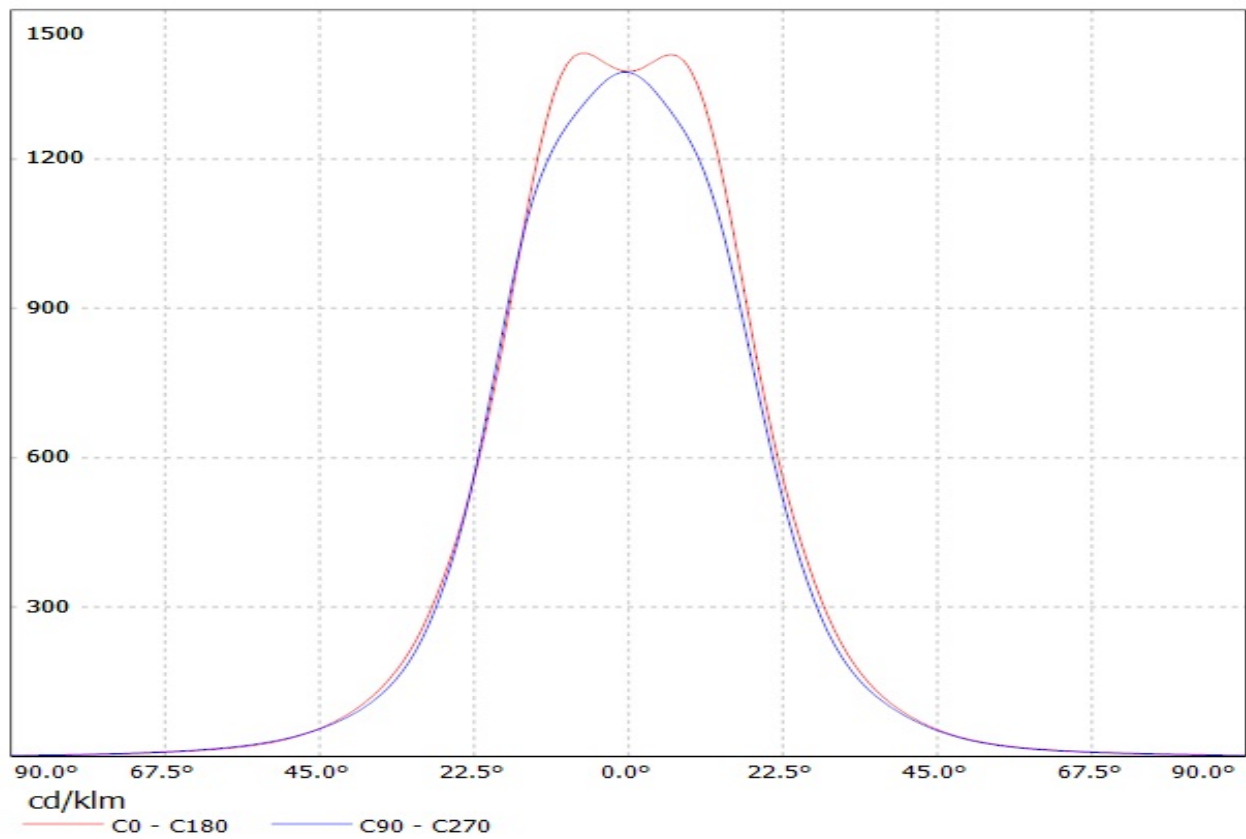
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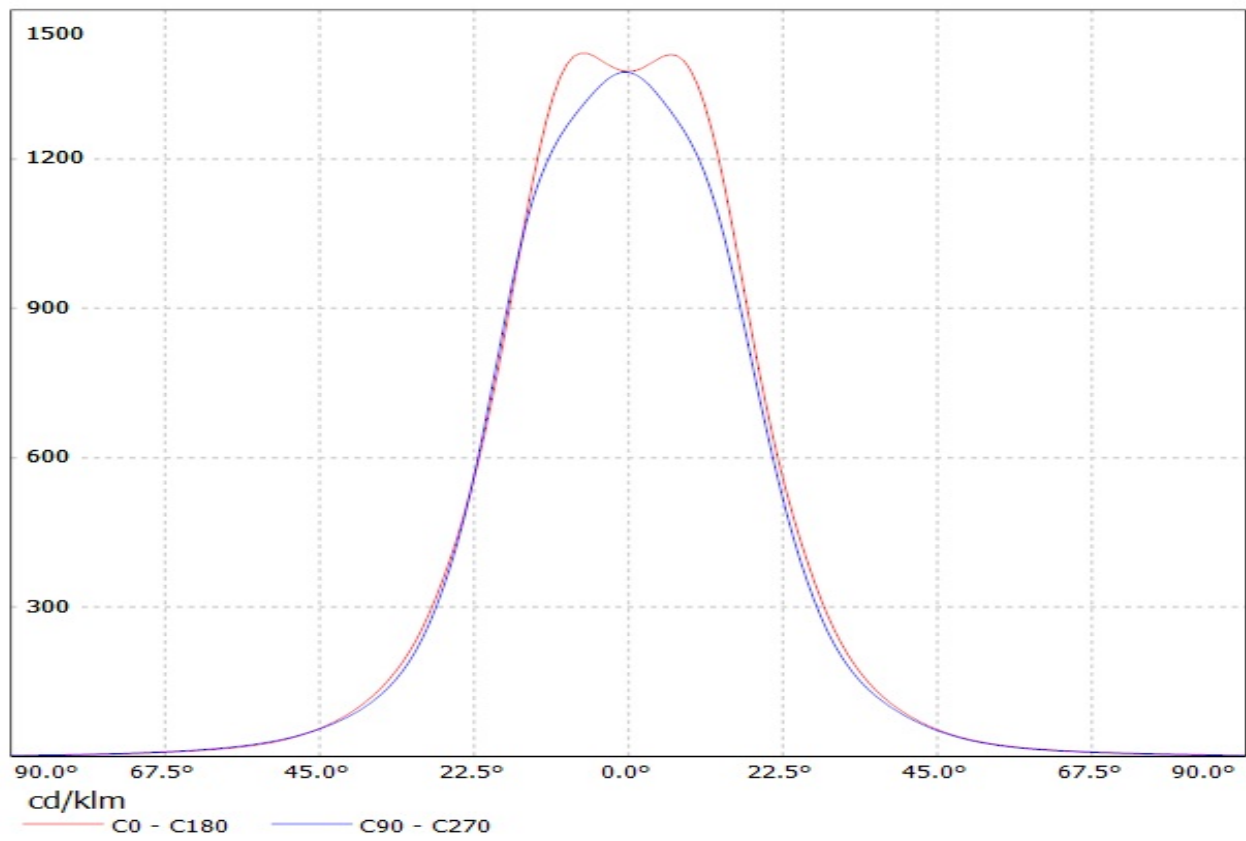
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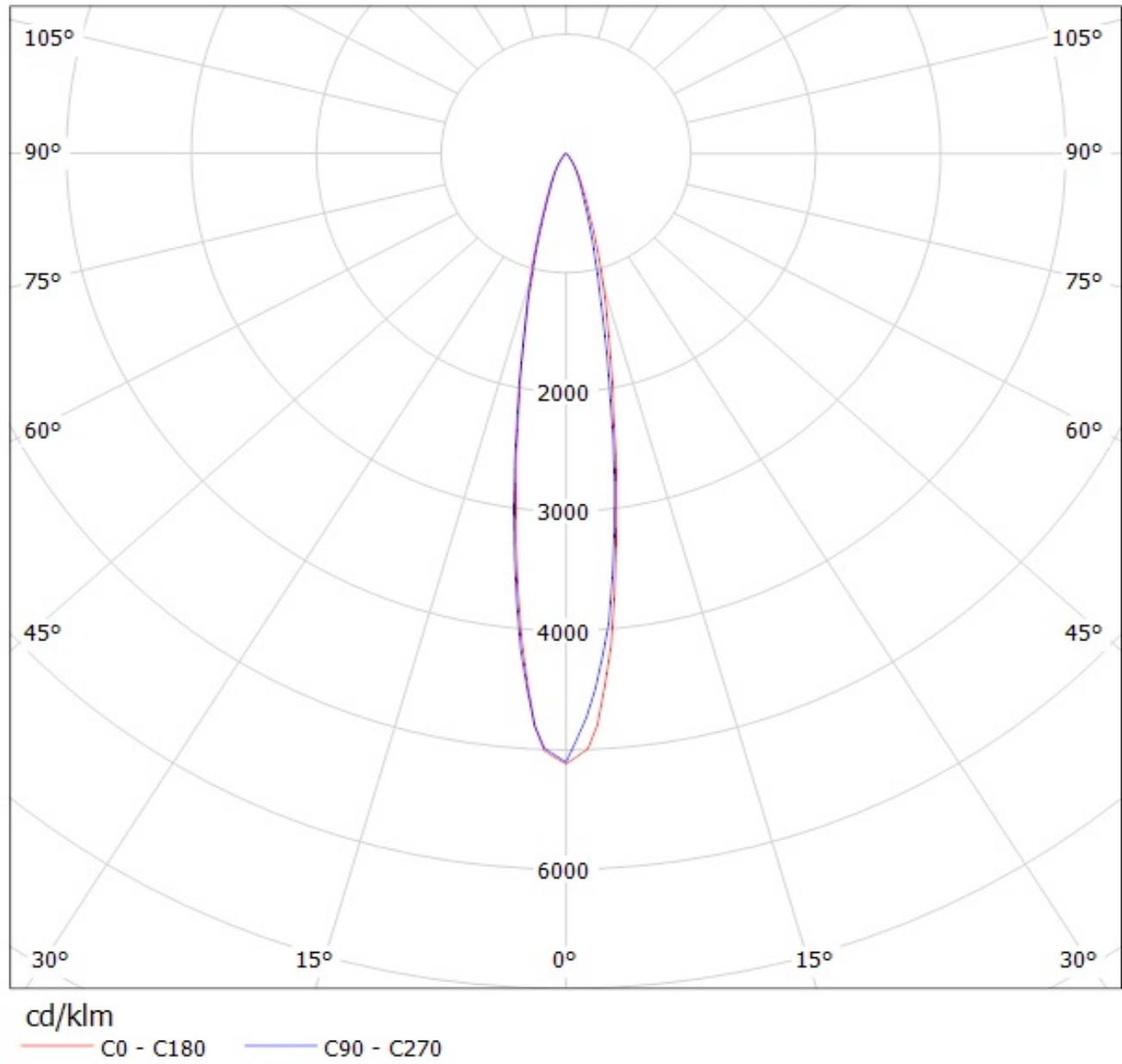
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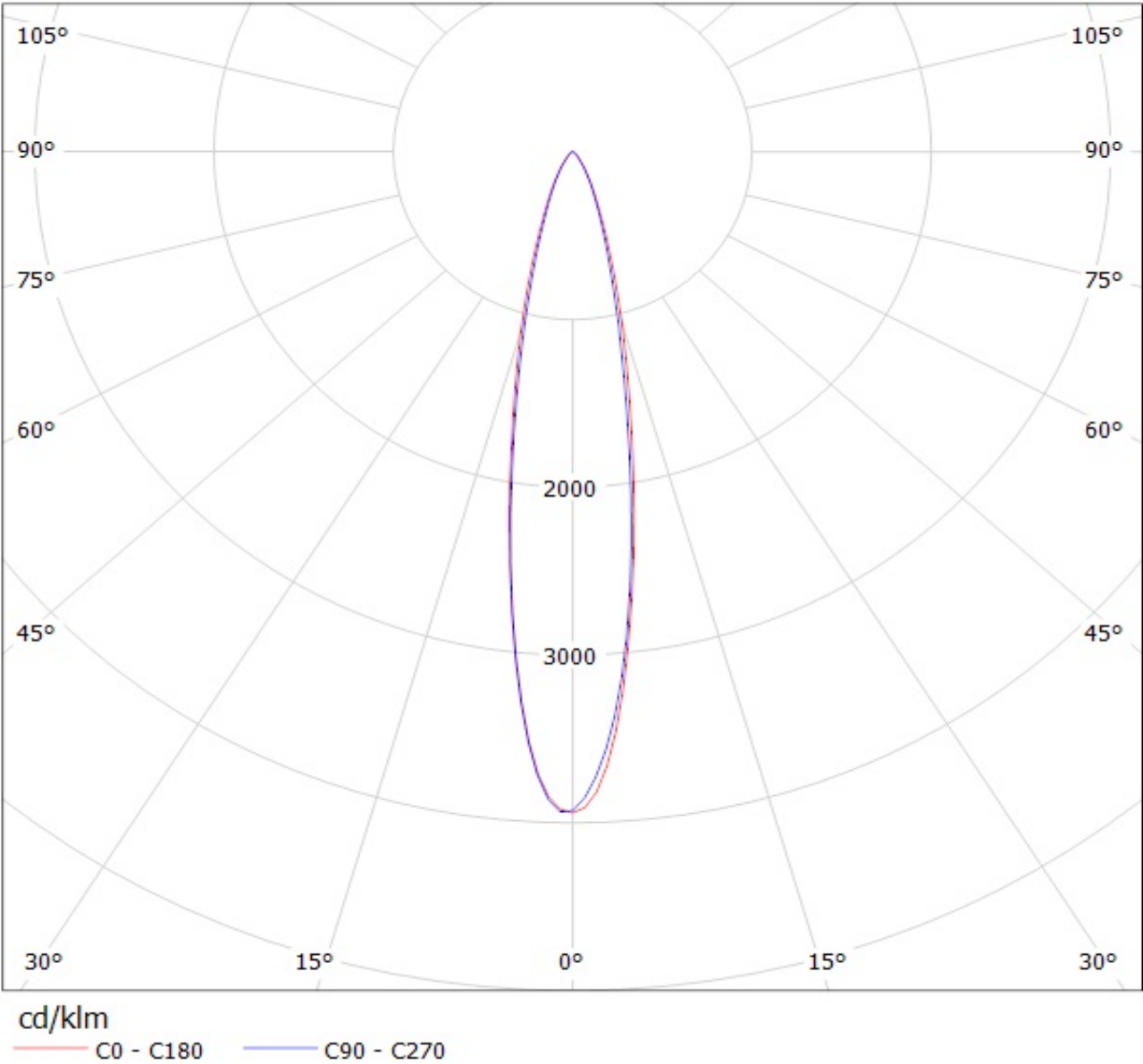
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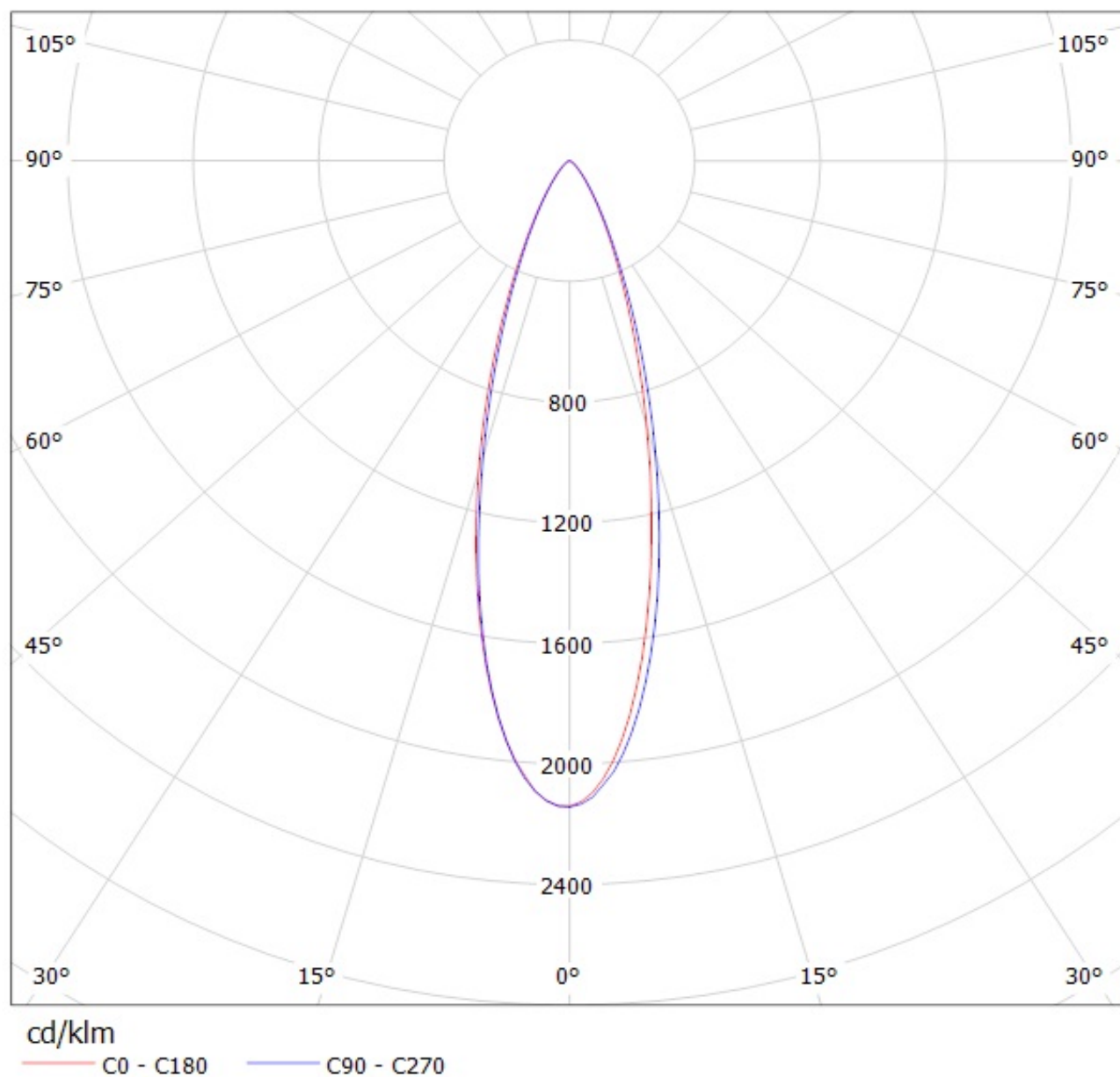
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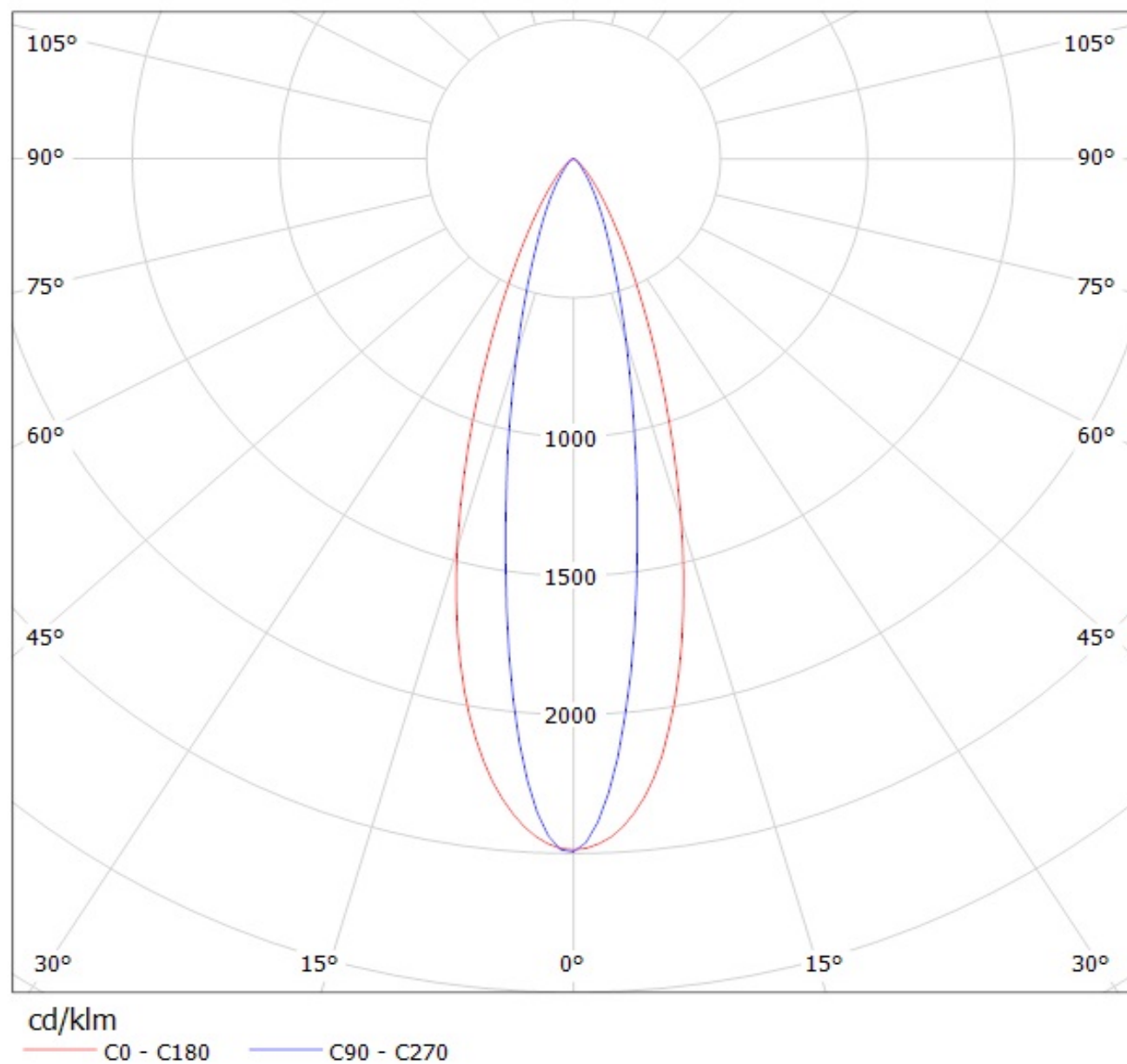
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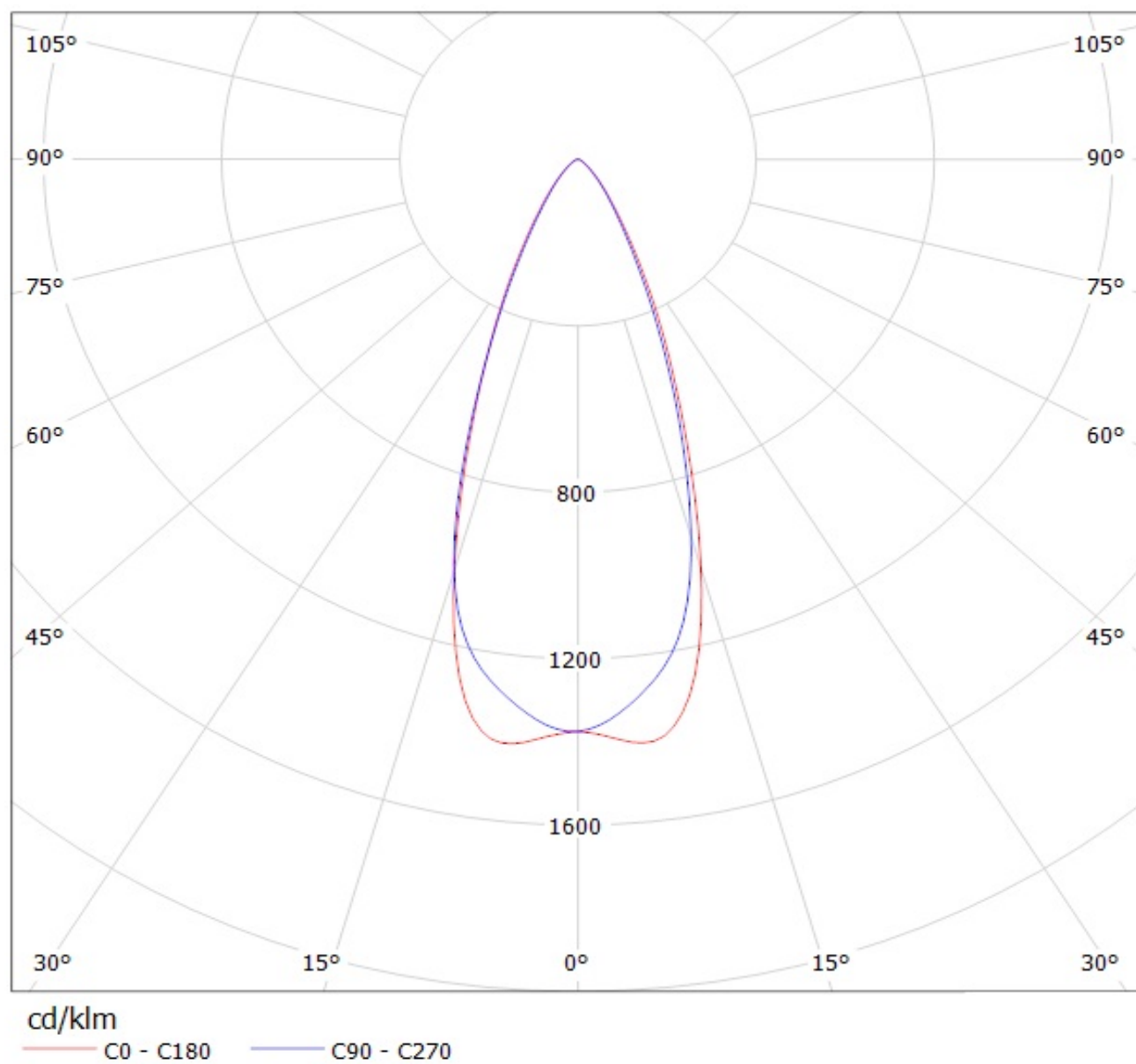
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