

**Product number FA10299_OSS-RS**

Family	Rose	FWHM	7 degrees
Type	Assembly	Efficiency	90 %
LED	Golden Dragon+	cd/Im	29.600
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10300_OSS-D**

Family	Rose	FWHM	11 degrees
Type	Assembly	Efficiency	87 %
LED	Golden Dragon+	cd/Im	12.700
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number CA13609_G2-OSS-2-M**

Family	Rose	FWHM	11 degrees
Type	Assembly	Efficiency	90 %
LED	Golden Dragon+	cd/Im	14.780
Color	White	Gerber File	Available
Diameter	21.6*21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10327_OSS-SS**

Family	Rose	FWHM	12 degrees
Type	Assembly	Efficiency	93 %
LED	Golden Dragon+	cd/Im	13.150
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA11145_OSS-O-90**

Family	Rose	FWHM	12+48 degrees
Type	Assembly	Efficiency	-
LED	Golden Dragon+	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number CA13614_G2-OSS-2-M**

Family	Rose	FWHM	26 degrees
Type	Assembly	Efficiency	88 %
LED	Golden Dragon+	cd/Im	4.570
Color	White	Gerber File	Available
Diameter	21.6*21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10301_OSS-M**

Family	Rose	FWHM	30 degrees
Type	Assembly	Efficiency	87 %
LED	Golden Dragon+	cd/Im	2.700
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number FA10302_OSS-O**

Family	Rose	FWHM	42+11 degrees
Type	Assembly	Efficiency	86 %
LED	Golden Dragon+	cd/Im	4.200
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Product number** FA10342_OSS-W

Family	Rose	FWHM	48 degrees
Type	Assembly	Efficiency	84 %
LED	Golden Dragon+	cd/lm	1.000
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.9 mm		
Style	Square		
Optic Material	PC		
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.

GENERAL INFORMATION

- Product series especially designed & optimized for Golden Dragon+ 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>

- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Optic holder molded by high quality PC material (120 dergees 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

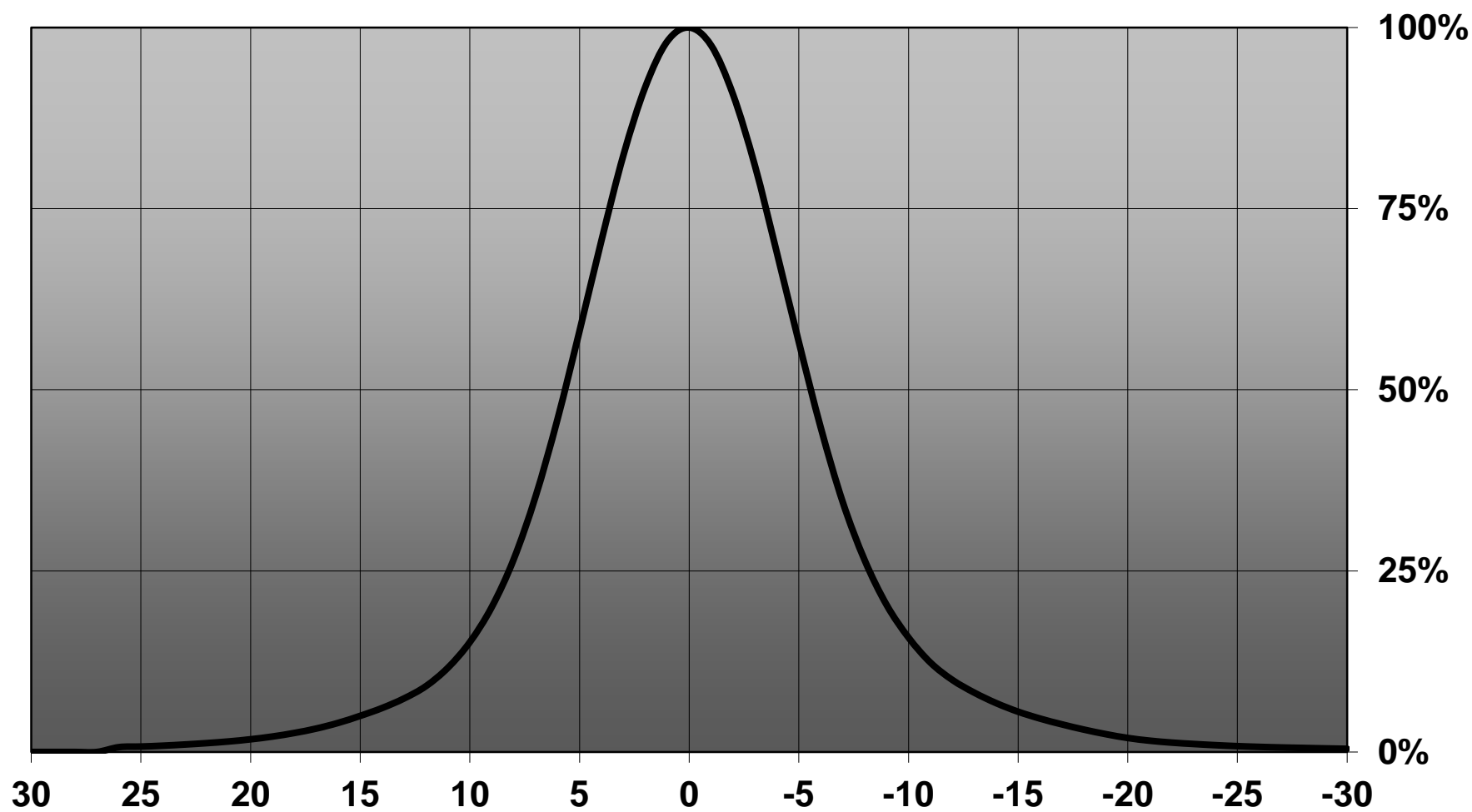
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

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.

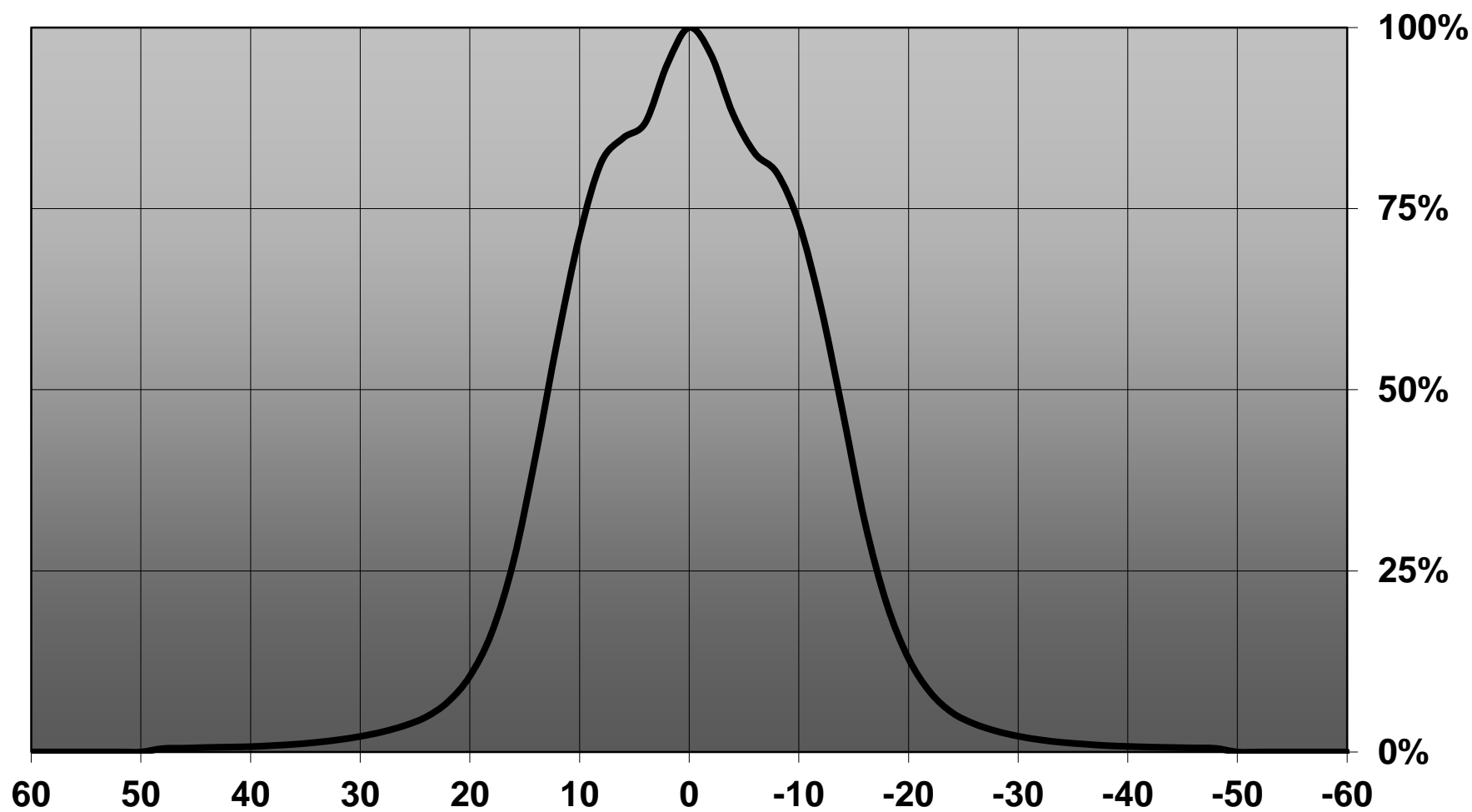
If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

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 CA13609_G2-OSS-2-M_(GD+)



Relative intensity of CA13614_G2-OSS-2-M_(GD+)



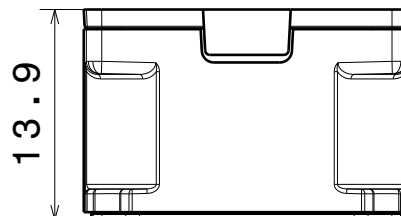
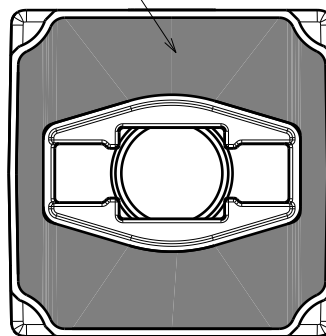
D

C

B

A

Tape 0,4mm



beam direction of OSS-0

Beam 90-deg rotated in
OSS-0-90

21.6

21.6

MATERIALS

LENS: PC

HOLDER: PC White

TAPE: PU Foam

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LEDIL

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Fe
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nh
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DRAWING TITLE

Datasheet OSS series assy

DRAWN BY

T K

DATE

10.10.2006

CHECKED BY

H

DATE

10.10.2006

DESIGNED BY

HH

DATE

10.10.2006

SIZE

A4

DRAWING NUMBER

REV

SCALE

2:1

WEIGHT (g)

4.5

SHEET

1/1

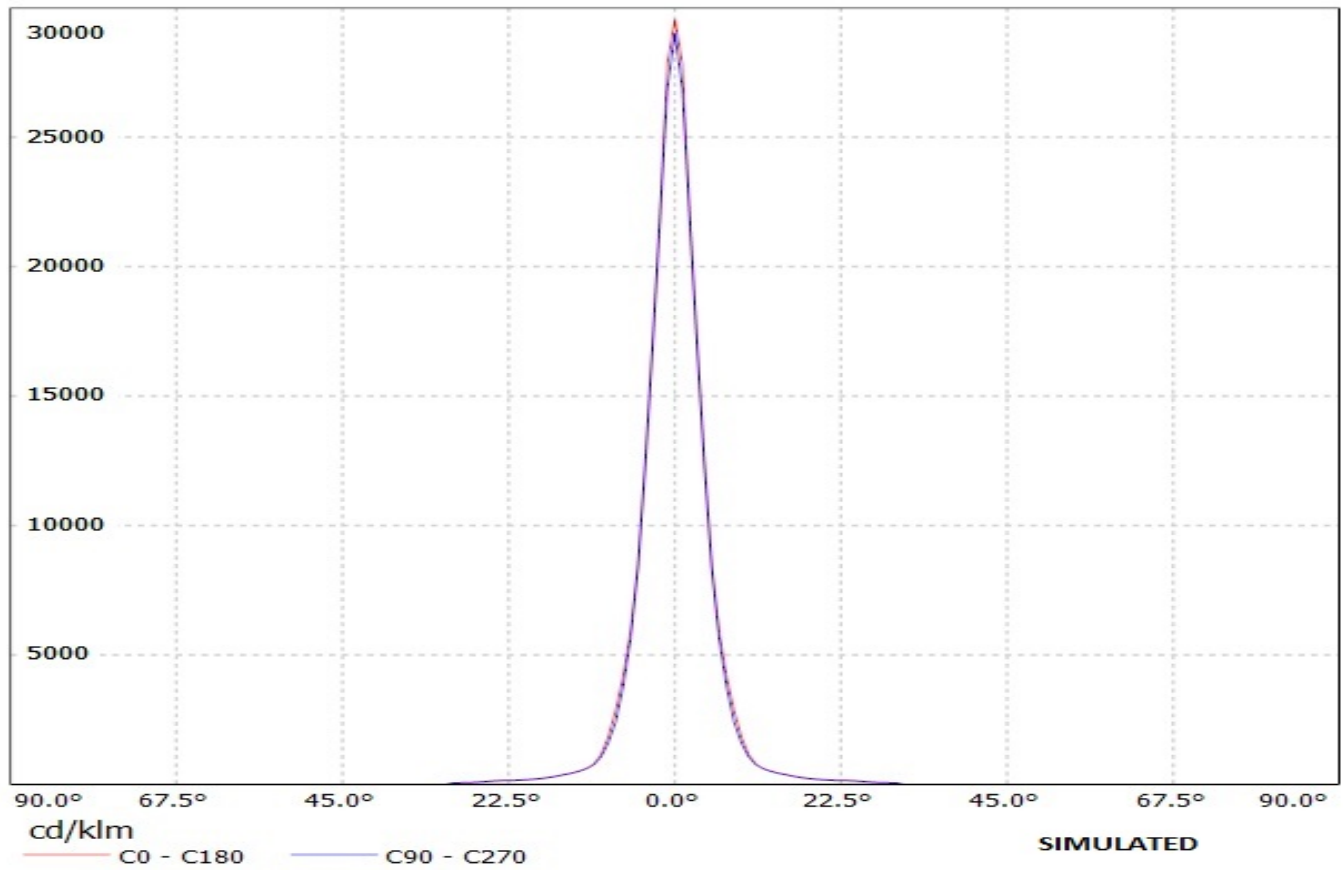
D

A

Ledil Oy FA10299_OSS-RS FA10299_OSS-RS / LDC (Linear)

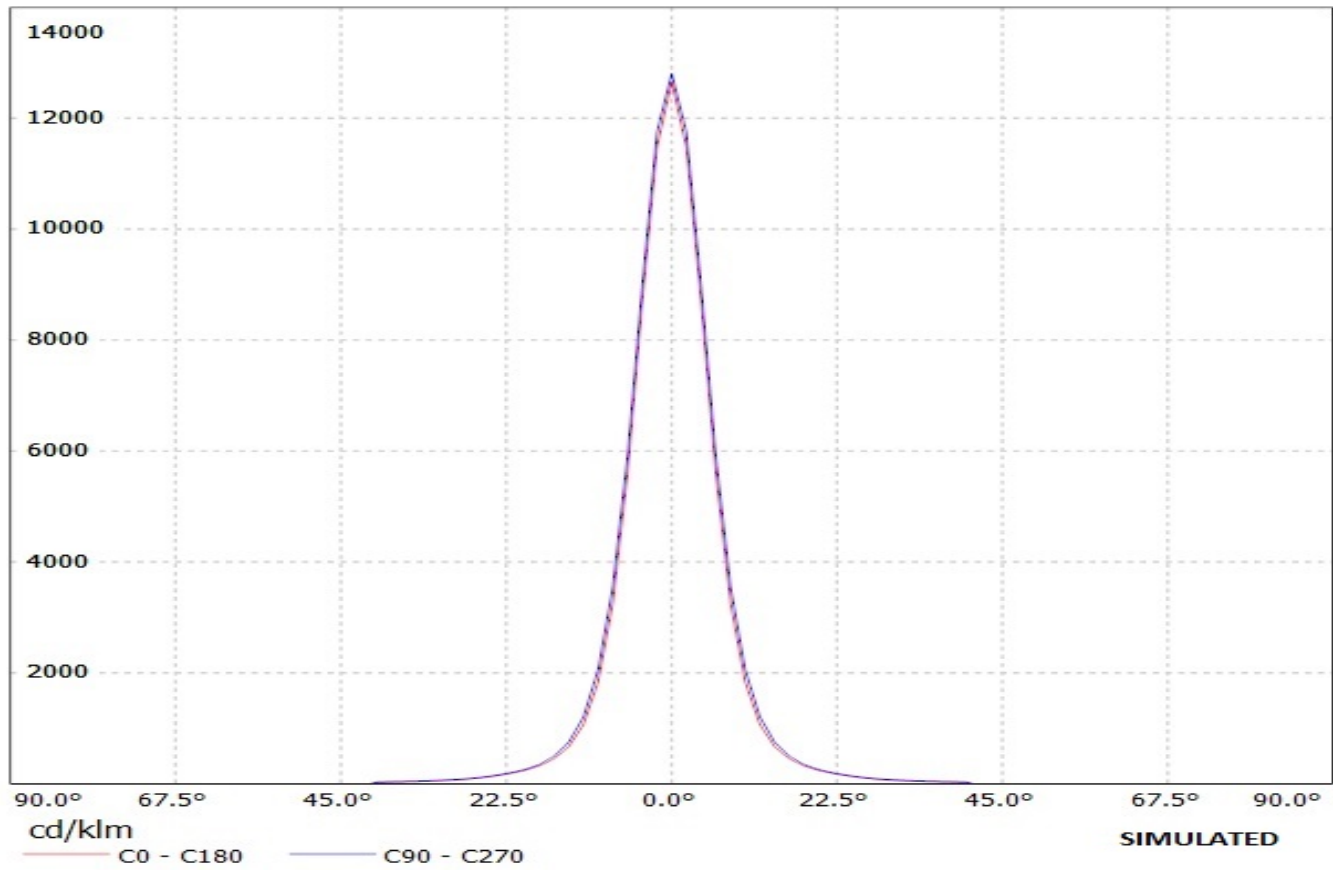
Luminaire: Ledil Oy FA10299_OSS-RS FA10299_OSS-RS

Lamps: 1 x Osram-os Golden Dragon+



Ledil Oy FA10300_OSS-D FA10300_OSS-D / LDC (Linear)

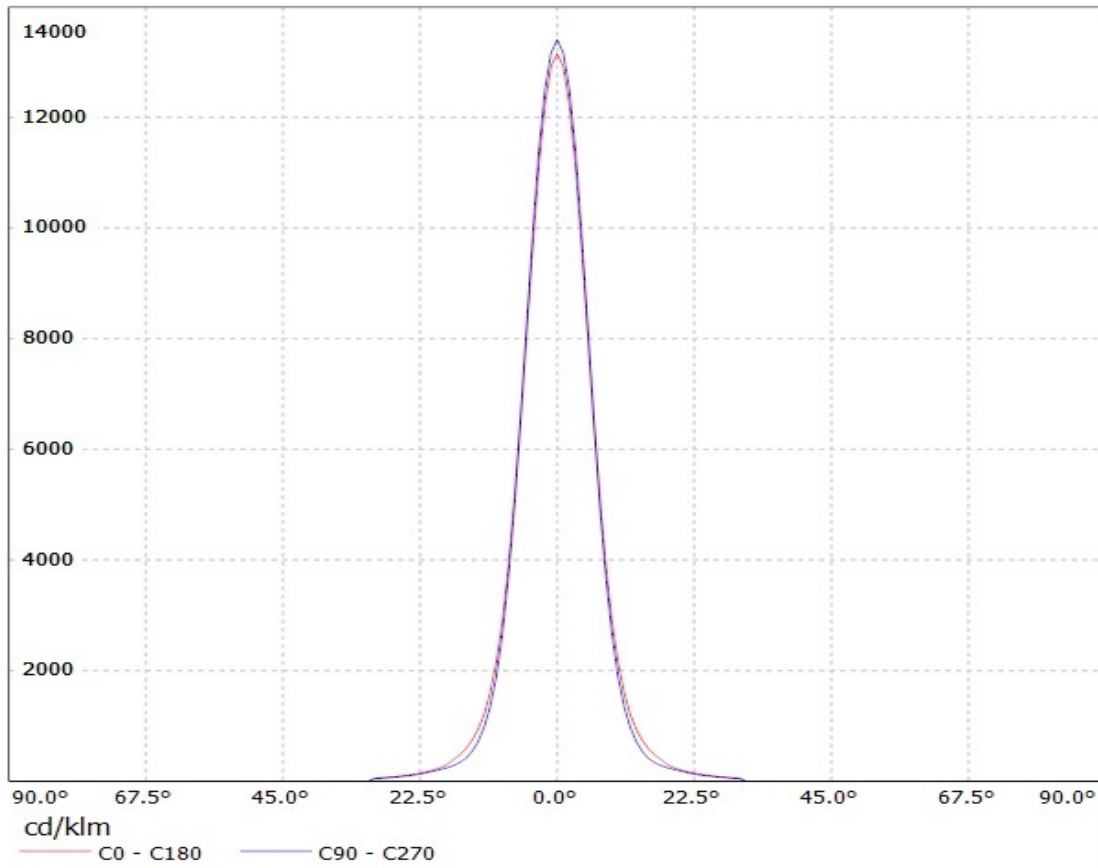
Luminaire: Ledil Oy FA10300_OSS-D FA10300_OSS-D
Lamps: 1 x OSRAM-OS GOLDEN DRAGON+ (white)



Ledil Oy FA10327_OSS-SS FA10327_OSS-SS / LDC (Linear)

Luminaire: Ledil Oy FA10327_OSS-SS FA10327_OSS-SS

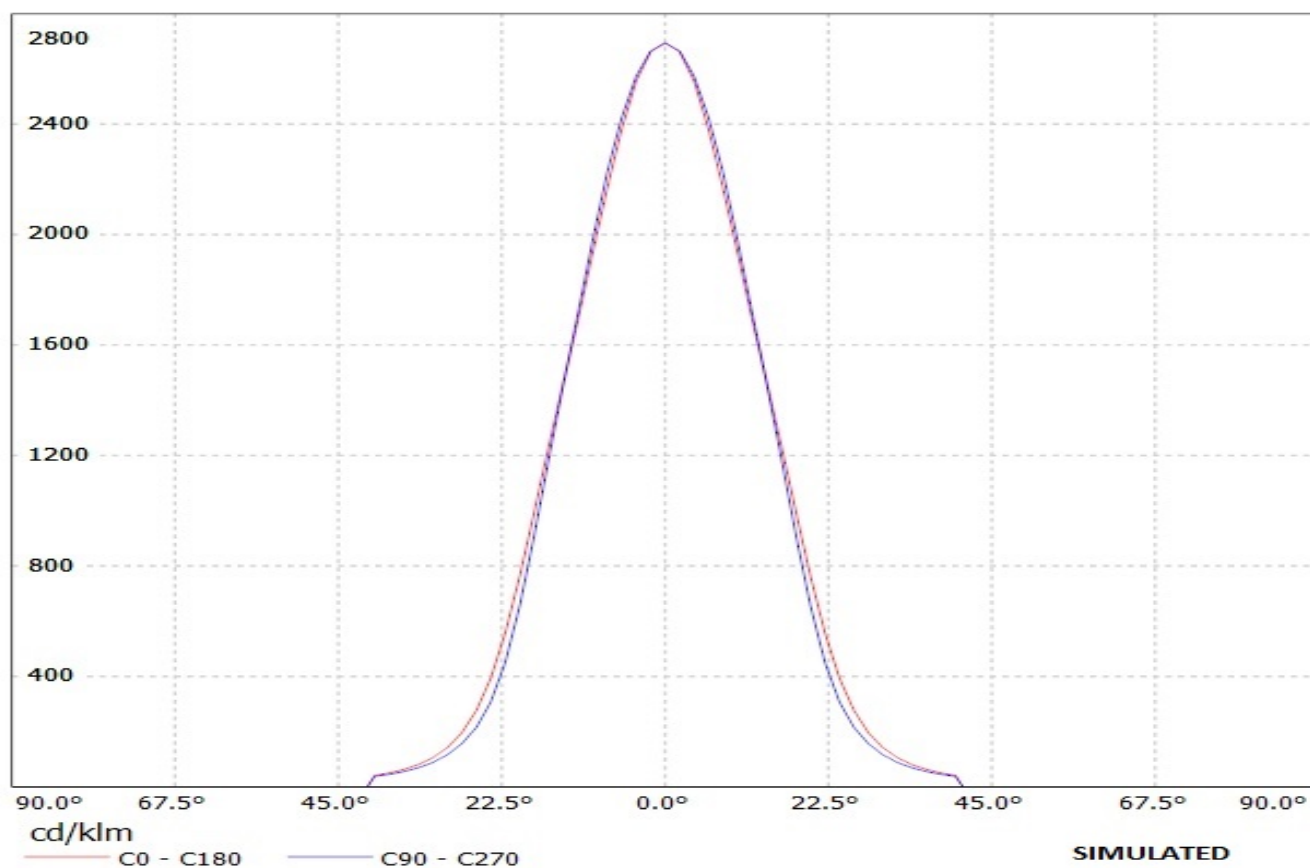
Lamps: 1 x Osram-os Golden Dragon+



Ledil Oy FA10301_OSS-M FA10301_OSS-M / LDC (Linear)

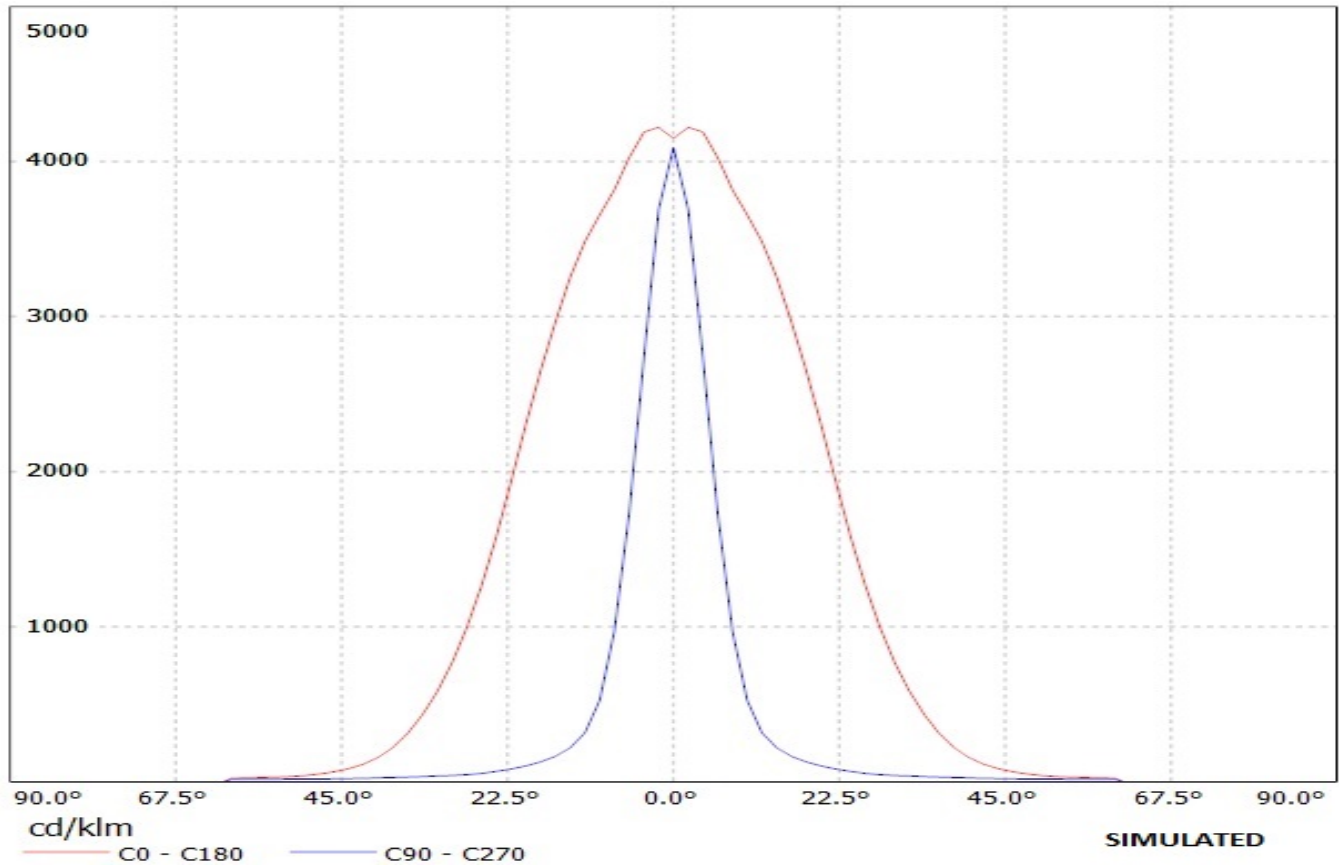
Luminaire: Ledil Oy FA10301_OSS-M FA10301_OSS-M

Lamps: 1 x Osram-os Golden Dragon+



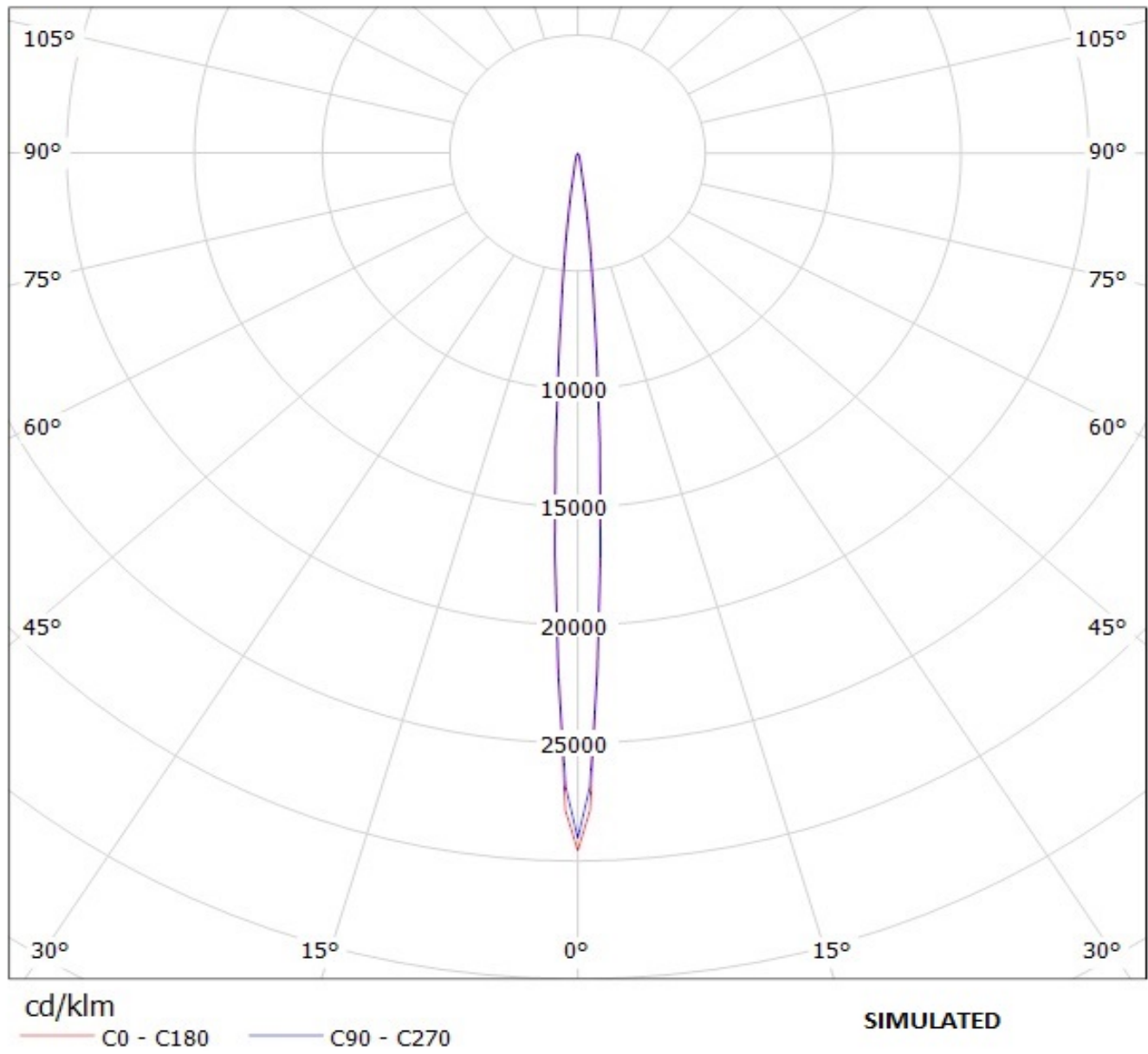
Ledil Oy FA10302_OSS-O FA10302_OSS-O / LDC (Linear)

Luminaire: Ledil Oy FA10302_OSS-O FA10302_OSS-O
Lamps: 1 x OSRAM-OS GOLDEN DRAGON+ (white)



Ledil Oy FA10299_OSS-RS FA10299_OSS-RS / LDC (Polar)

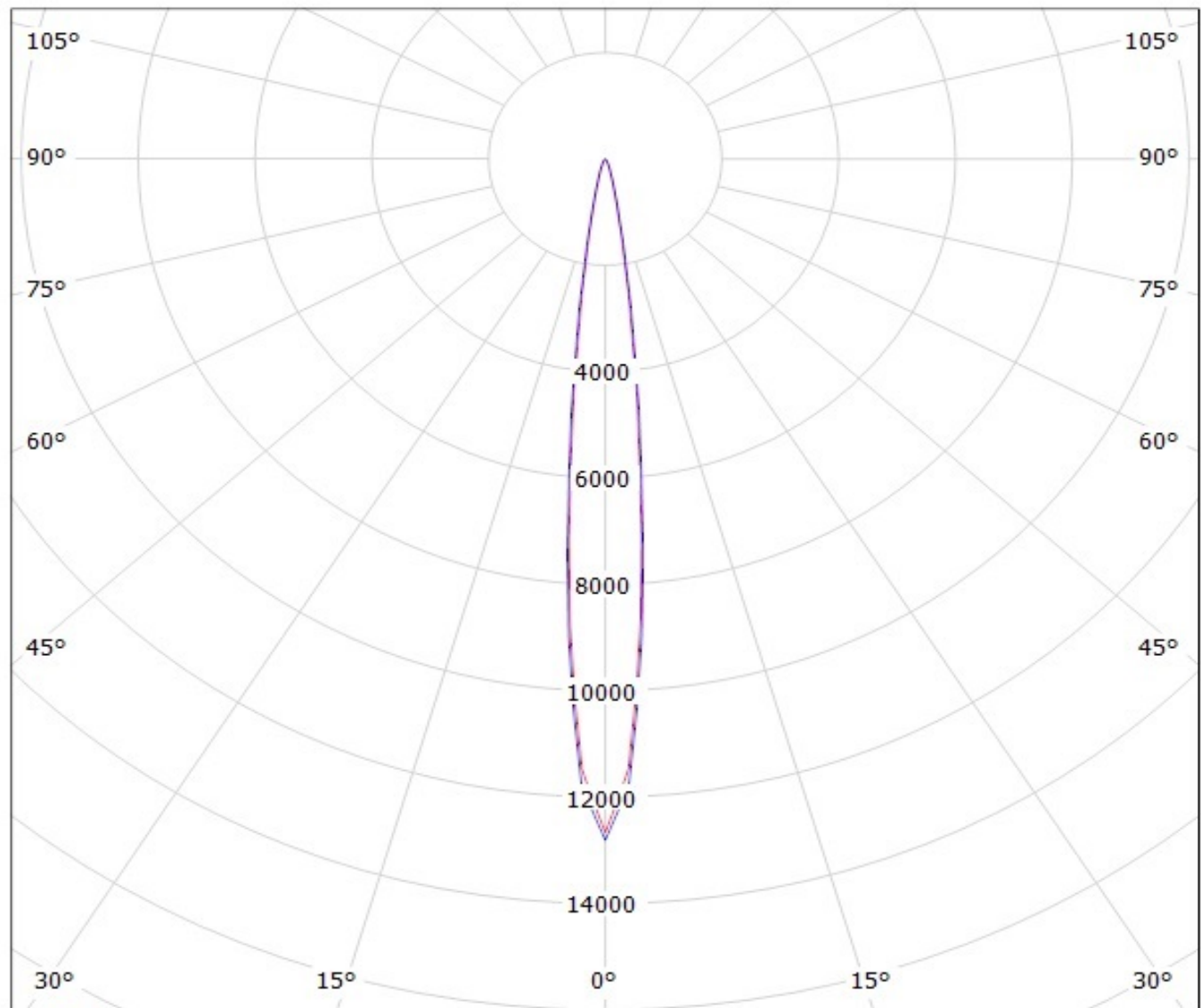
Luminaire: Ledil Oy FA10299_OSS-RS FA10299_OSS-RS
Lamps: 1 x Osram-os Golden Dragon+



Ledil Oy FA10300_OSS-D FA10300_OSS-D / LDC (Polar)

Luminaire: Ledil Oy FA10300_OSS-D FA10300_OSS-D

Lamps: 1 x OSRAM-OS GOLDEN DRAGON+ (white)



cd/klm

— C0 - C180

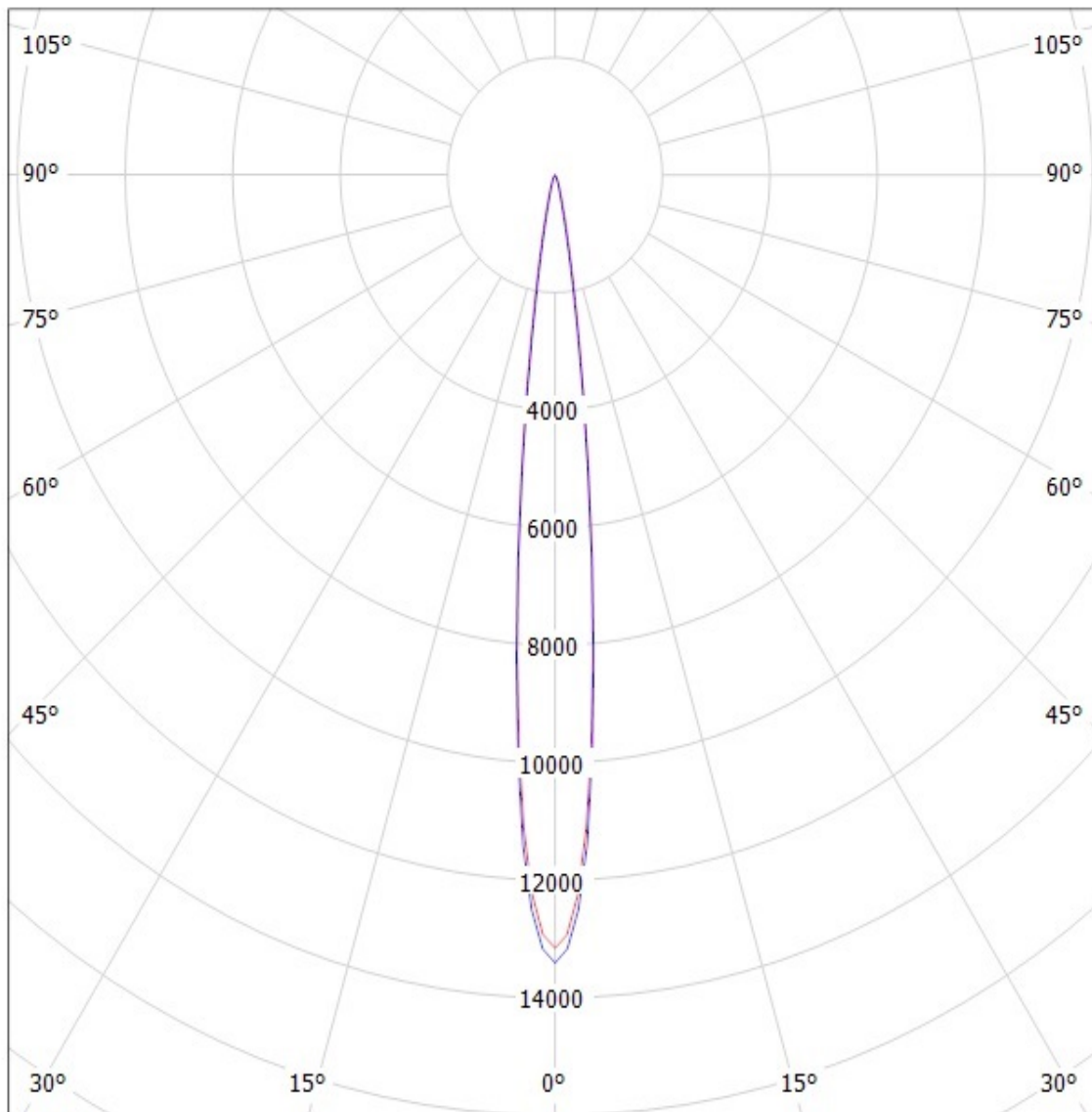
— C90 - C270

SIMULATED

Ledil Oy FA10327_OSS-SS FA10327_OSS-SS / LDC (Polar)

Luminaire: Ledil Oy FA10327_OSS-SS FA10327_OSS-SS

Lamps: 1 x Osram-os Golden Dragon+



cd/klm

— C0 - C180

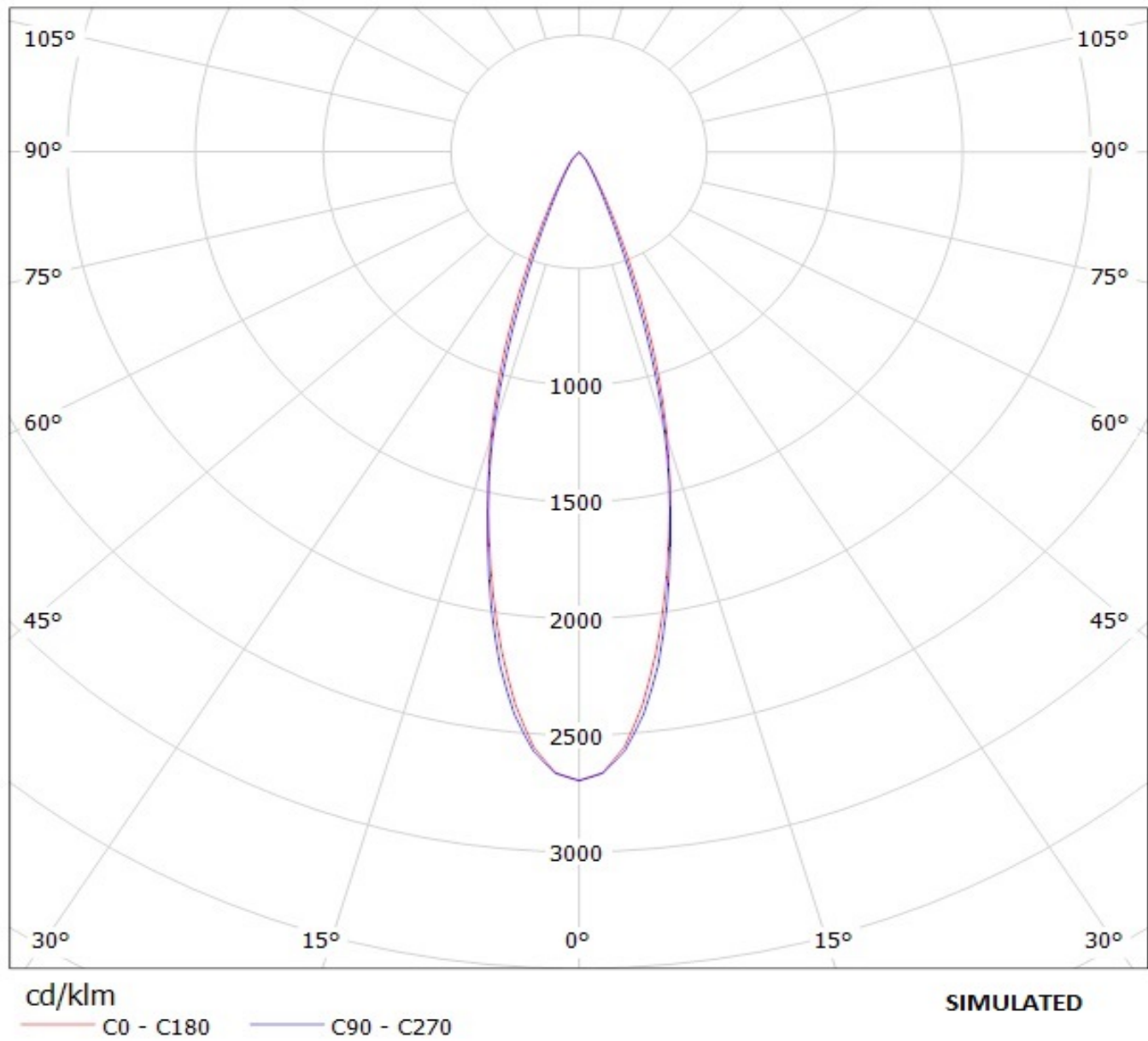
— C90 - C270

SIMULATED

Ledil Oy FA10301_OSS-M FA10301_OSS-M / LDC (Polar)

Luminaire: Ledil Oy FA10301_OSS-M FA10301_OSS-M

Lamps: 1 x Osram-os Golden Dragon+



Ledil Oy FA10302_OSS-O FA10302_OSS-O / LDC (Polar)

Luminaire: Ledil Oy FA10302_OSS-O FA10302_OSS-O
Lamps: 1 x OSRAM-OS GOLDEN DRAGON+ (white)

