

**Ordering number C12500_MIRA-M**

Family	Mira	FWHM	28 degrees
Type	Lens	Efficiency	83 %
LED	MT-G	cd/lm	2.200
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Ready		

**Ordering number CA12503_MIRA-M**

Family	Mira	FWHM	28 degrees
Type	Assembly	Efficiency	83 %
LED	MT-G	cd/lm	-
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number C12501_MIRA-W**

Family	Mira	FWHM	38 degrees
Type	Lens	Efficiency	80 %
LED	MT-G	cd/lm	1.400
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Ready		

**Ordering number CA12504_MIRA-W**

Family	Mira	FWHM	44 degrees
Type	Assembly	Efficiency	82 %
LED	MT-G	cd/lm	-
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number C12502_MIRA-WW**

Family	Mira	FWHM	58 degrees
Type	Lens	Efficiency	81 %
LED	MT-G	cd/lm	0.900
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Glue		
Status	Ready		

Ordering number CA12505_MIRA-WW

Family	Mira	FWHM	66 degrees
Type	Assembly	Efficiency	81 %
LED	MT-G	cd/lm	-
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	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

Mira series

last update 4/2/2013

GENERAL INFORMATION

- Product series especially designed & optimized for MT-G series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- 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

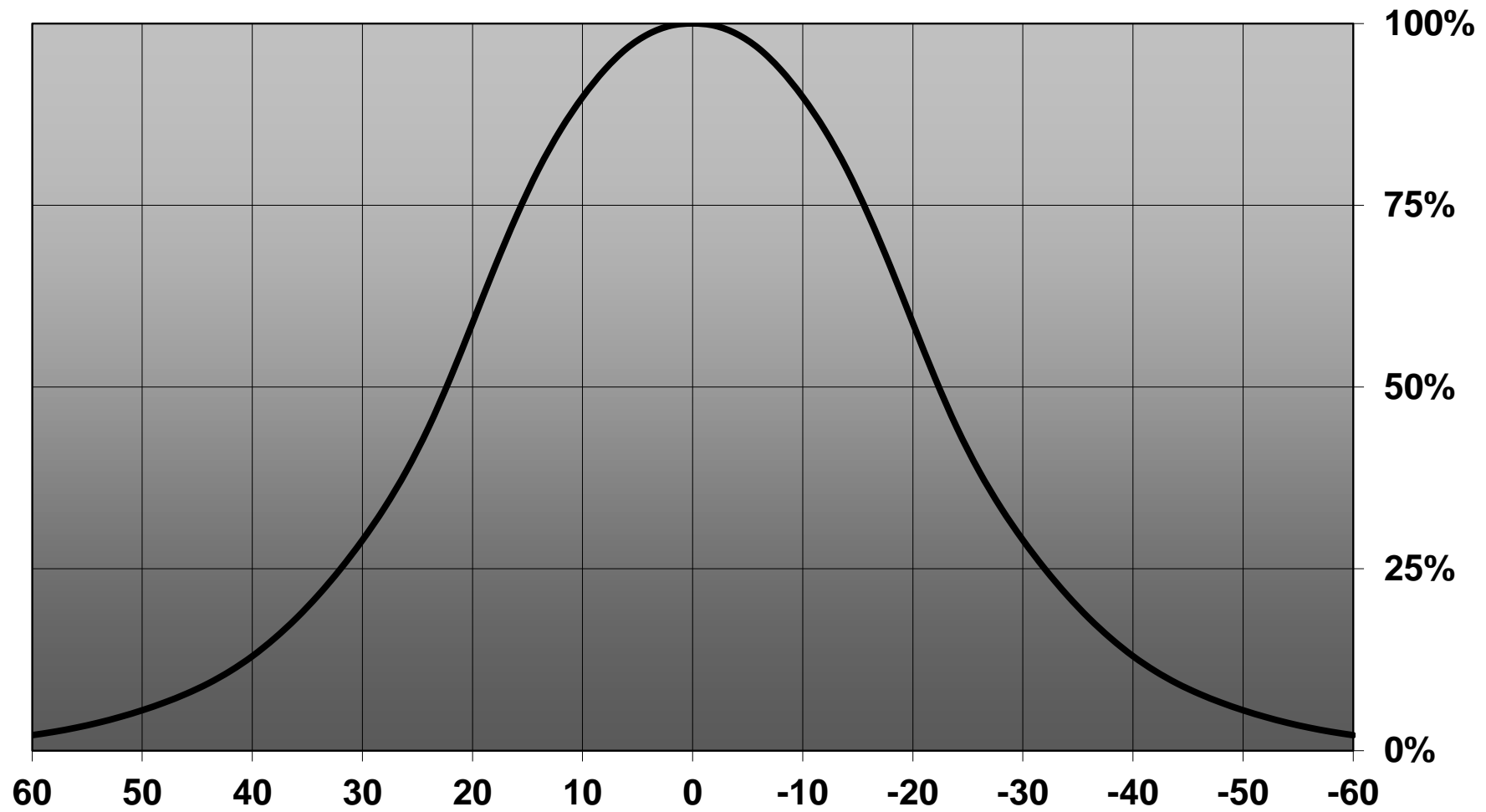
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

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.

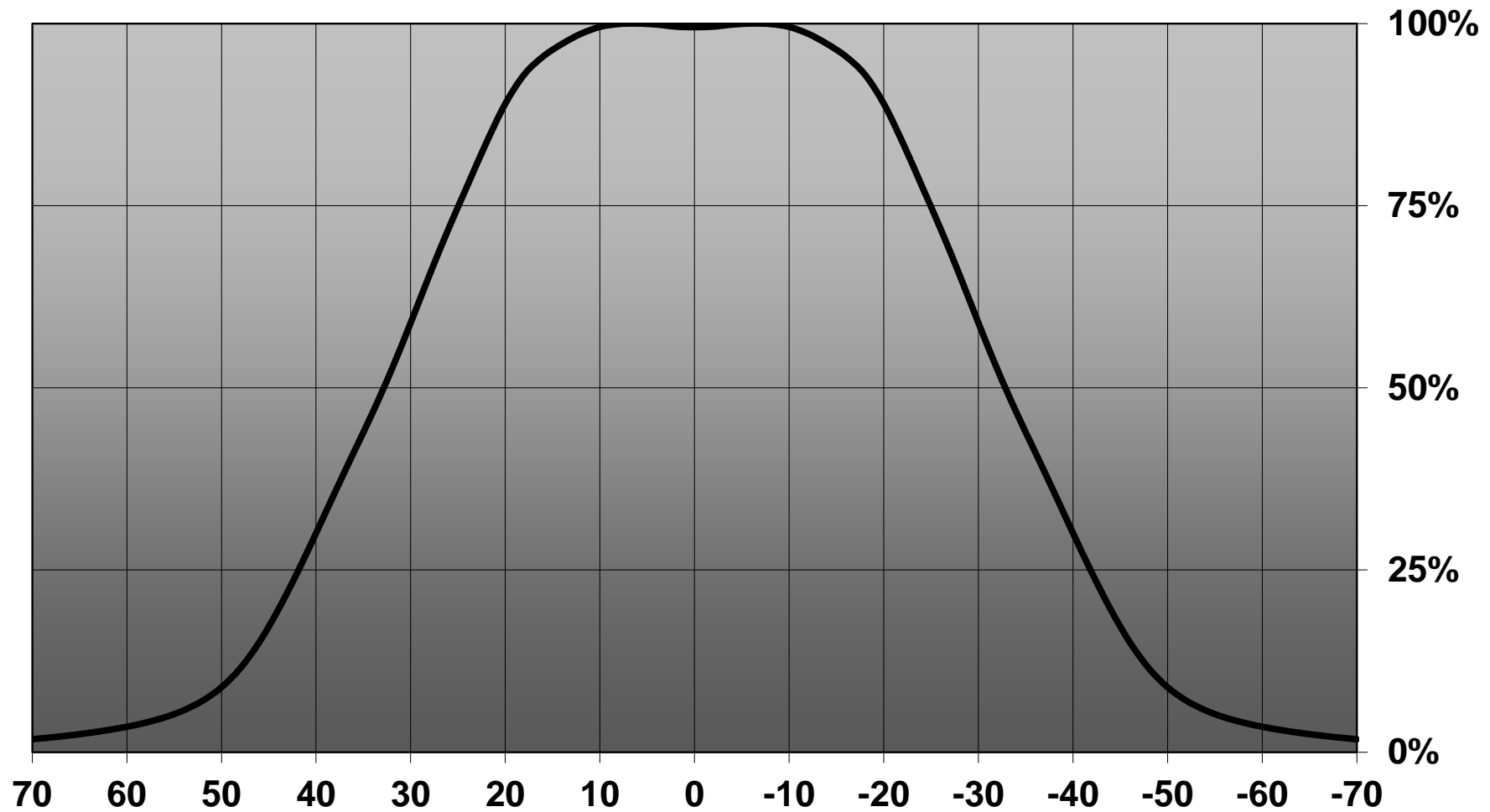
If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

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.

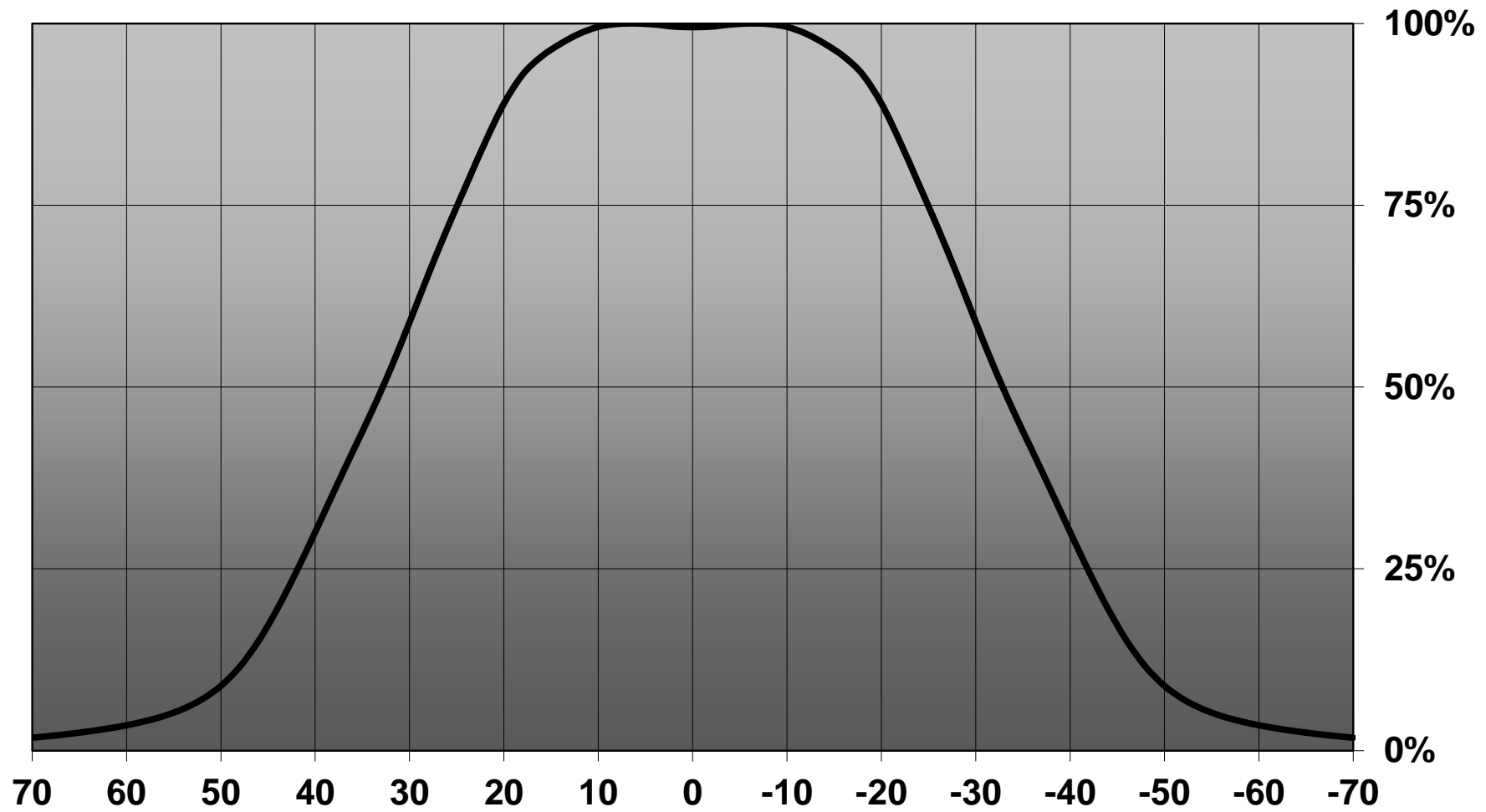
Relative intensity of C12501_MIRA-W

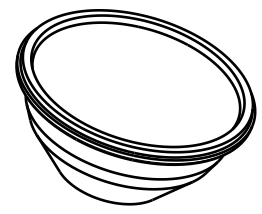


Relative intensity of C12502_MIRA-WW (MT-G)

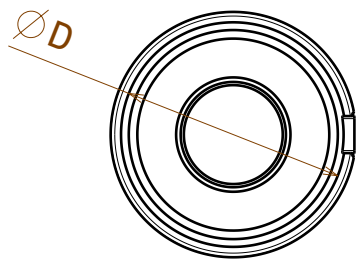


Relative intensity of CA12505_MIRA-WW (MT-G)

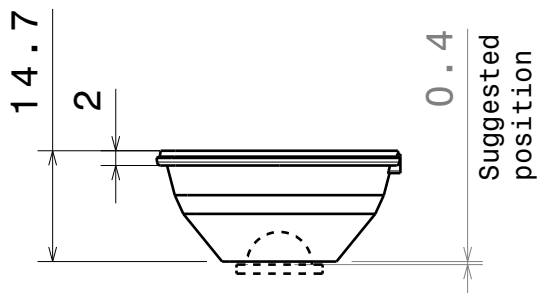




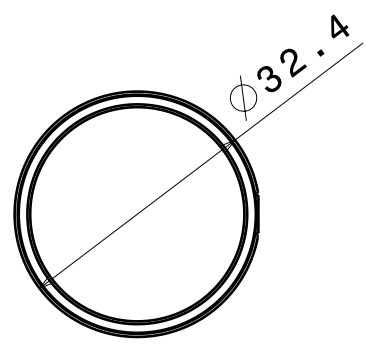
Isometric view



Bottom view



Front view



Top view

Dimension D:
 - C12500_MIRA-M 29,7mm
 - C12501_MIRA-W 28,4mm
 - C12502_MIRA-VW 28,4mm

Material: PC

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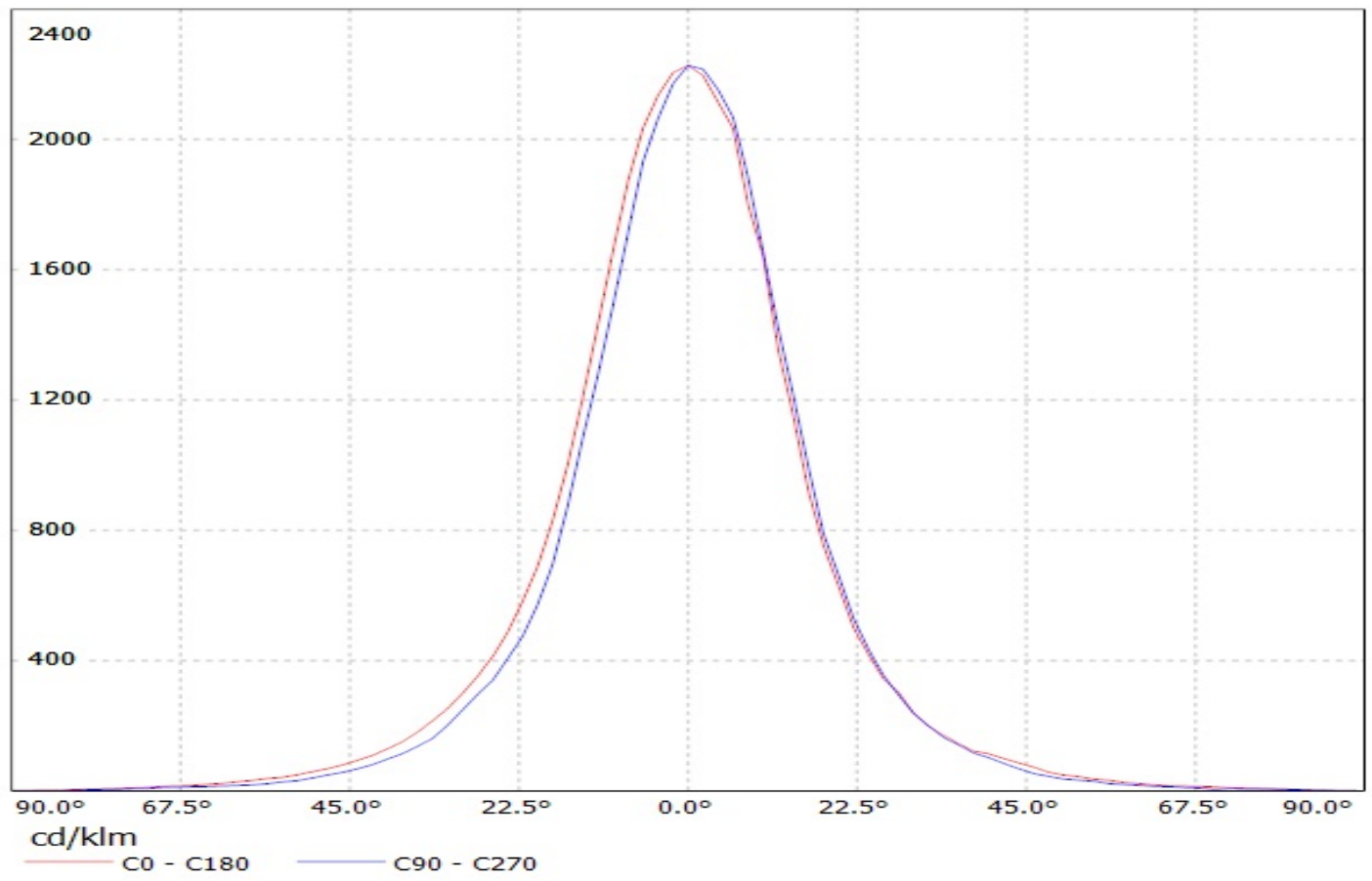
Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

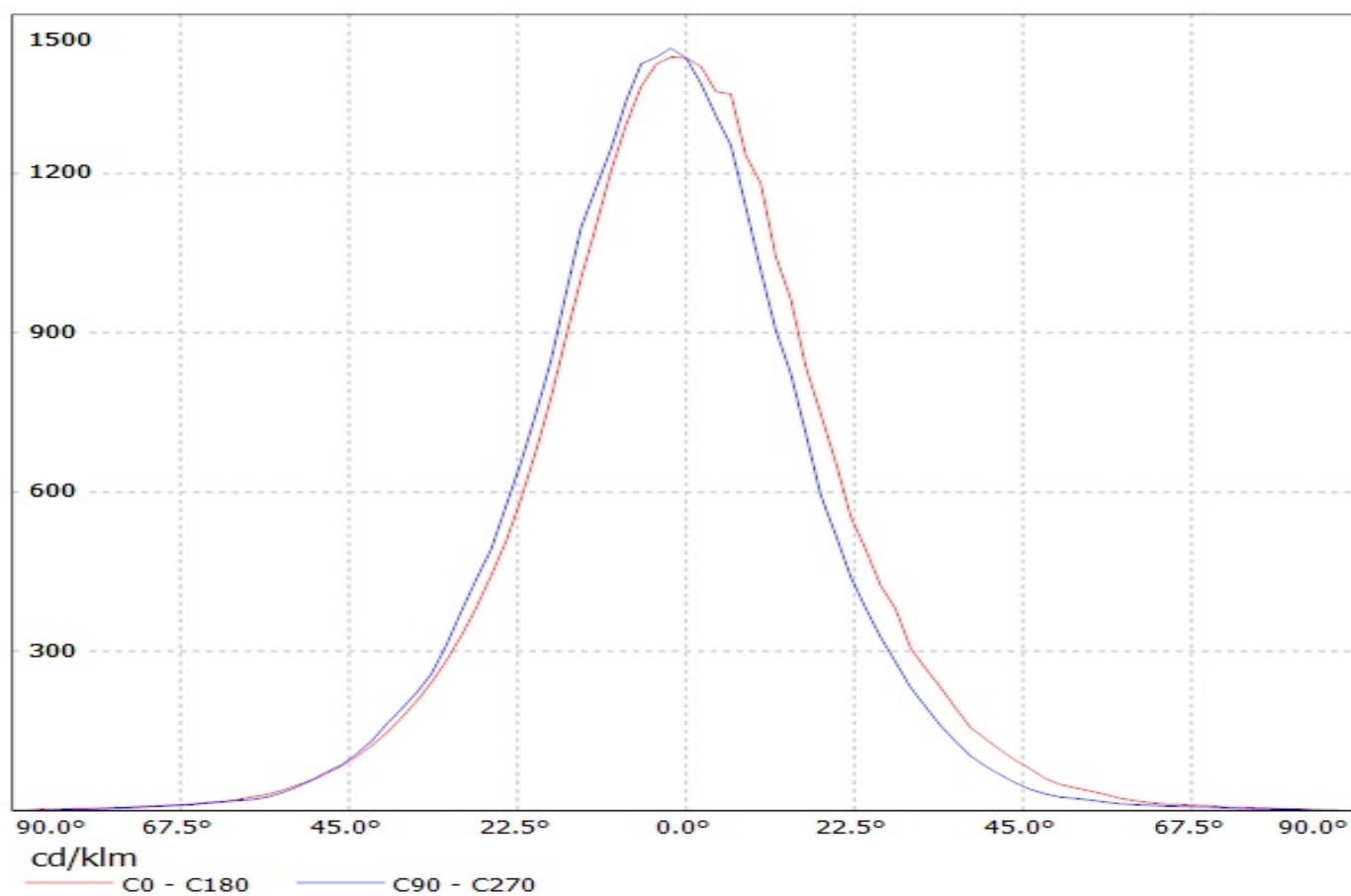
Datasheet MIRA lens

DRAWN BY mav	DATE 02.04.2012	DRAWING TITLE Datasheet MIRA lens			
CHECKED BY sn	DATE 02.04.2012	SIZE A4	DRAWING NUMBER -		REV 1
DESIGNED BY mav	DATE 29.11.2011	SCALE 1:1	WEIGHT (g)	SHEET 1/1	

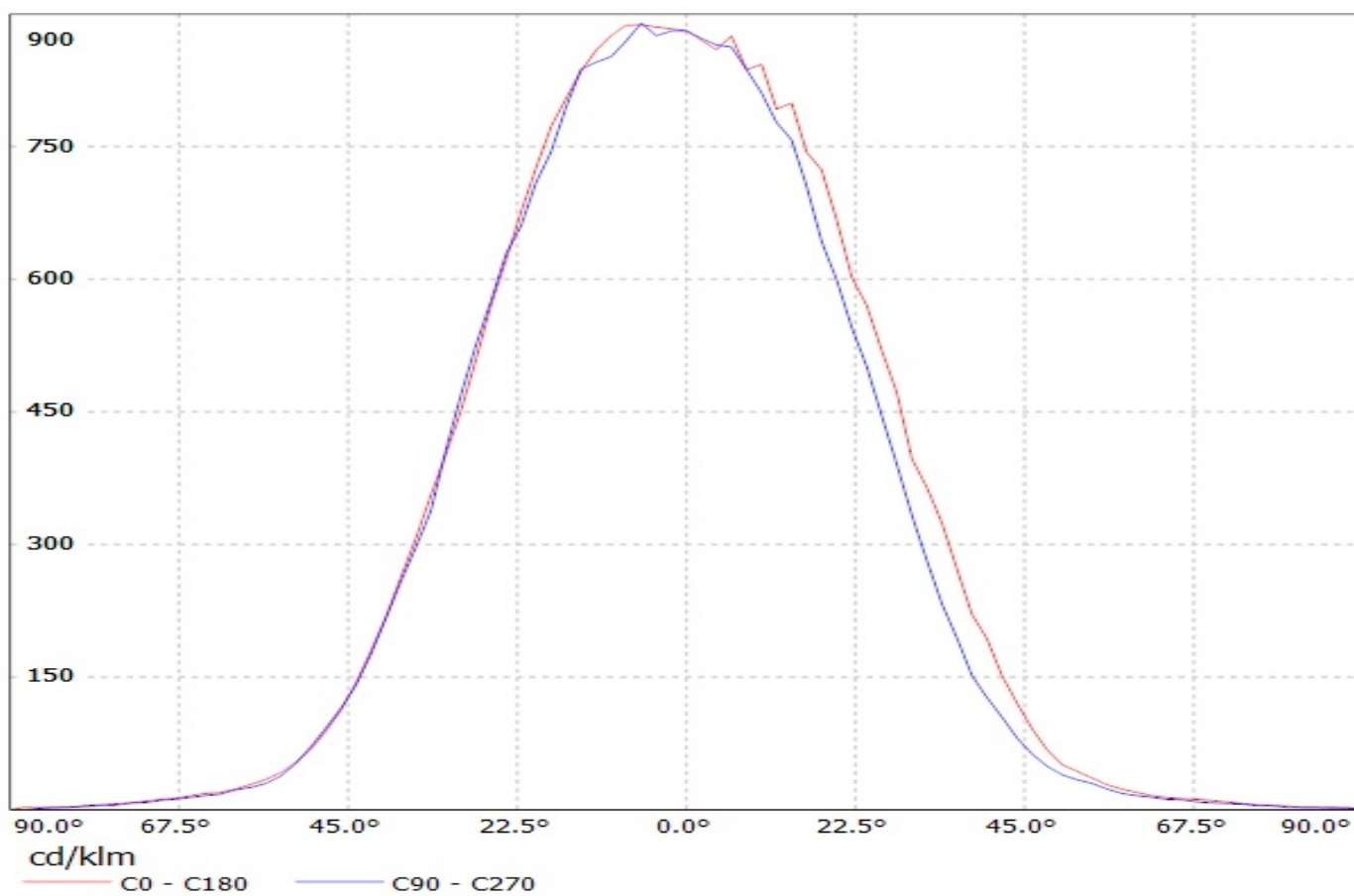
Luminaire: Ledil Oy C12500-Mira-M (Cree MT-G 714lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree MT-G 714lm @ 250mA



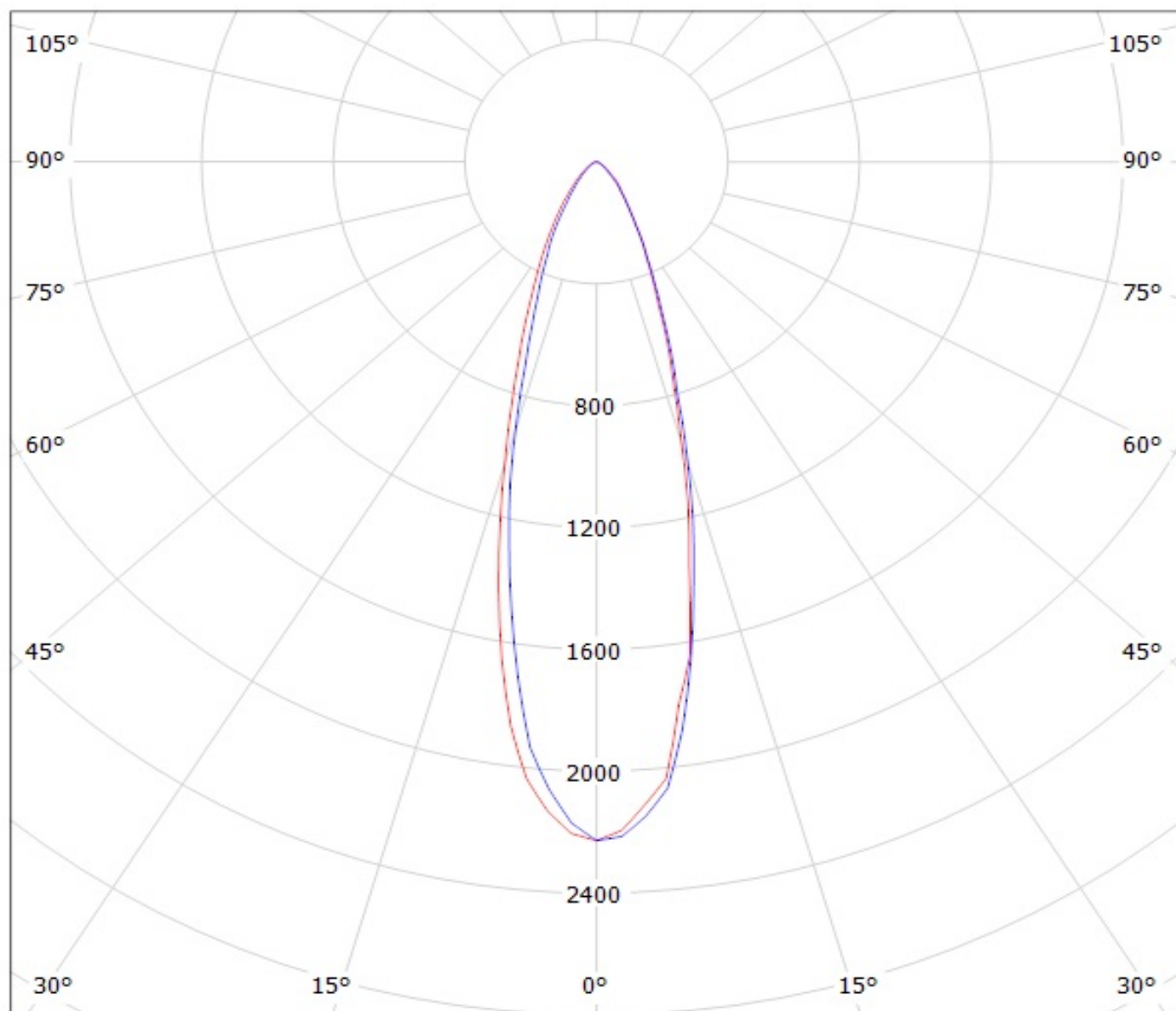
Luminaire: Ledil Oy C12501-Mira-W (Cree MT-G 714lm @ 250mA) Efficiency=80%
Lamps: 1 x Cree MT-G 714lm @ 250mA



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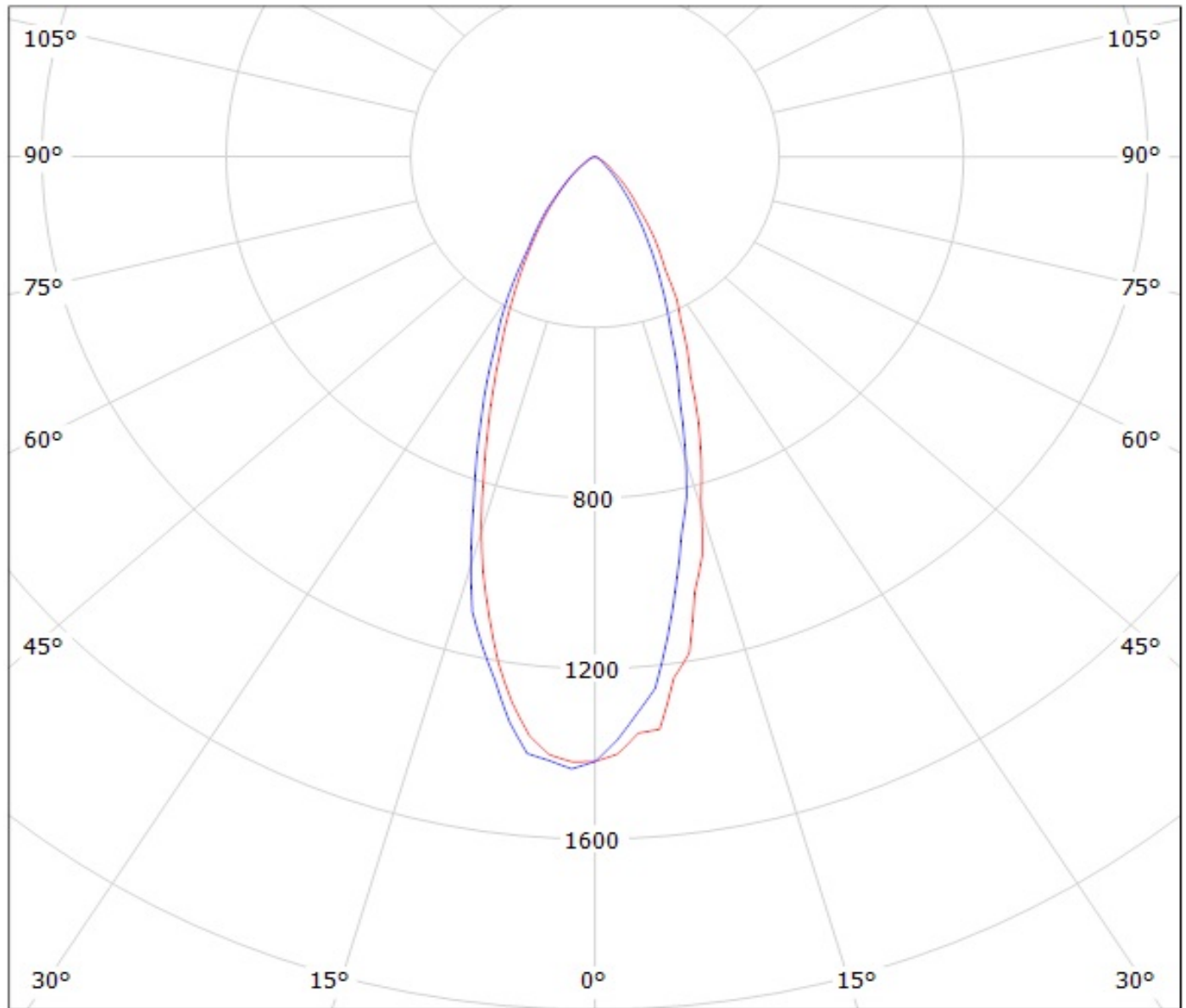


cd/klm

— C0 - C180

— C90 - C270

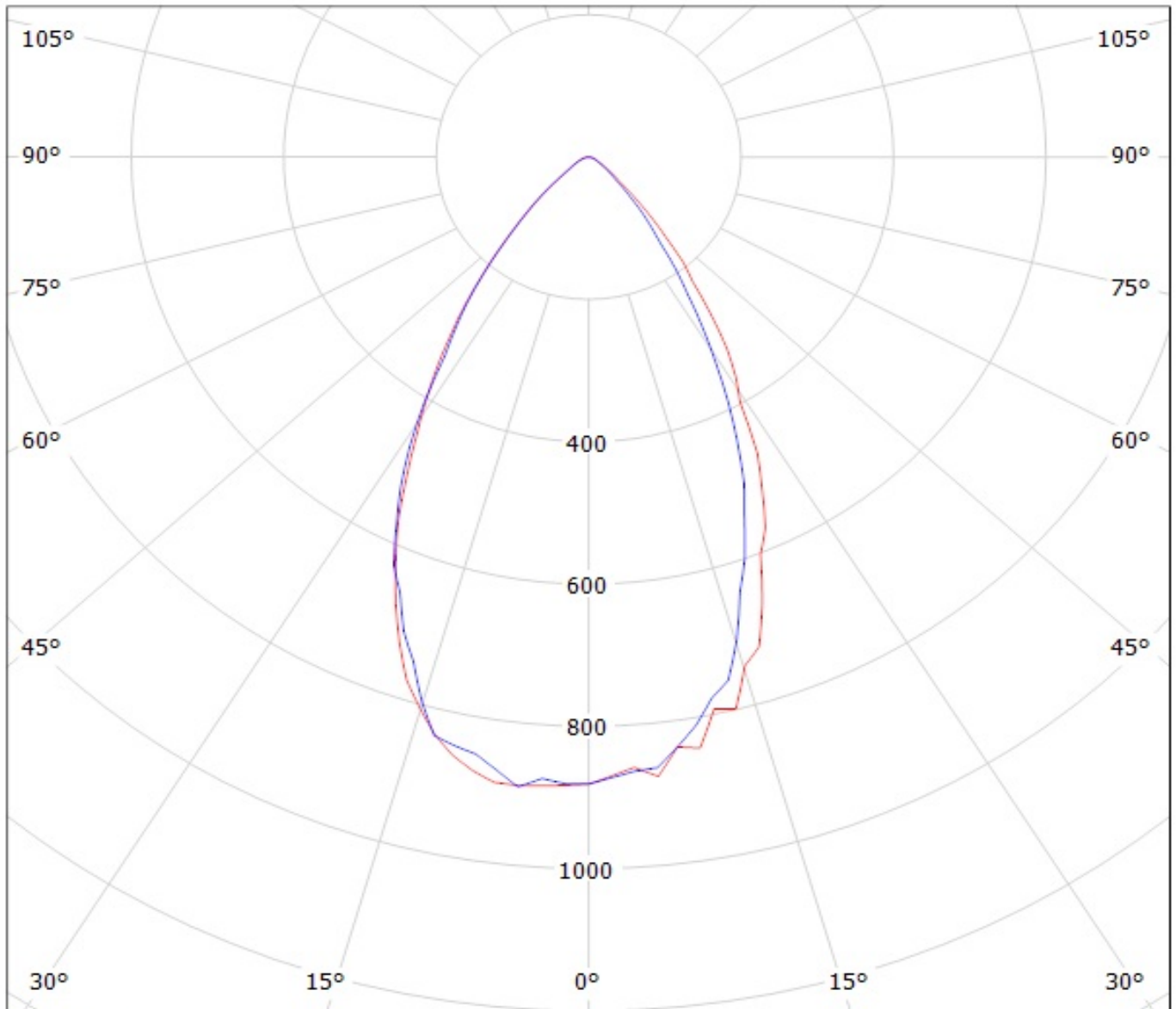
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cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C12502-Mira-WW (Cree MT-G 714lm @ 250mA) Efficiency=81%
Lamps: 1 x Cree MT-G 714lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270