

**Product number C11552_BARBARA-S**

Family	Barbara	FWHM	17 degrees
Type	Reflector	Efficiency	90 %
LED	CXA2011	cd/lm	4.540
Color	Metal	Gerber File	Available
Diameter	70 mm	Not compatible if PCB board fastened with screws.	
Height	44.7 mm	Compatible if PCB board fastened with glue.	
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Product number C11553_BARBARA-W

Family	Barbara	FWHM	40 degrees
Type	Reflector	Efficiency	90 %
LED	CXA2011	cd/lm	1.560
Color	Metal	Gerber File	Available
Diameter	70 mm	Not compatible if PCB board fastened with screws.	
Height	44.7 mm	Compatible if PCB board fastened with glue.	
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Product number C13032_BARBARA-WW

Family	Barbara	FWHM	60 degrees
Type	Reflector	Efficiency	90 %
LED	CXA2011	cd/lm	1.000
Color	Metal	Gerber File	Available
Diameter	70 mm		
Height	44.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Product number C12955_BARBARA-XW

Family	Barbara	FWHM	75 degrees
Type	Reflector	Efficiency	90 %
LED	CXA2011	cd/lm	0.520
Color	White	Gerber File	Available
Diameter	70 mm	Not compatible if PCB board fastened with screws.	
Height	44.7 mm	Compatible if PCB board fastened with glue.	
Style	Round		
Optic Material	HRPC		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		



PRODUCT DATASHEET

Barbara series

last update 21/9/2017

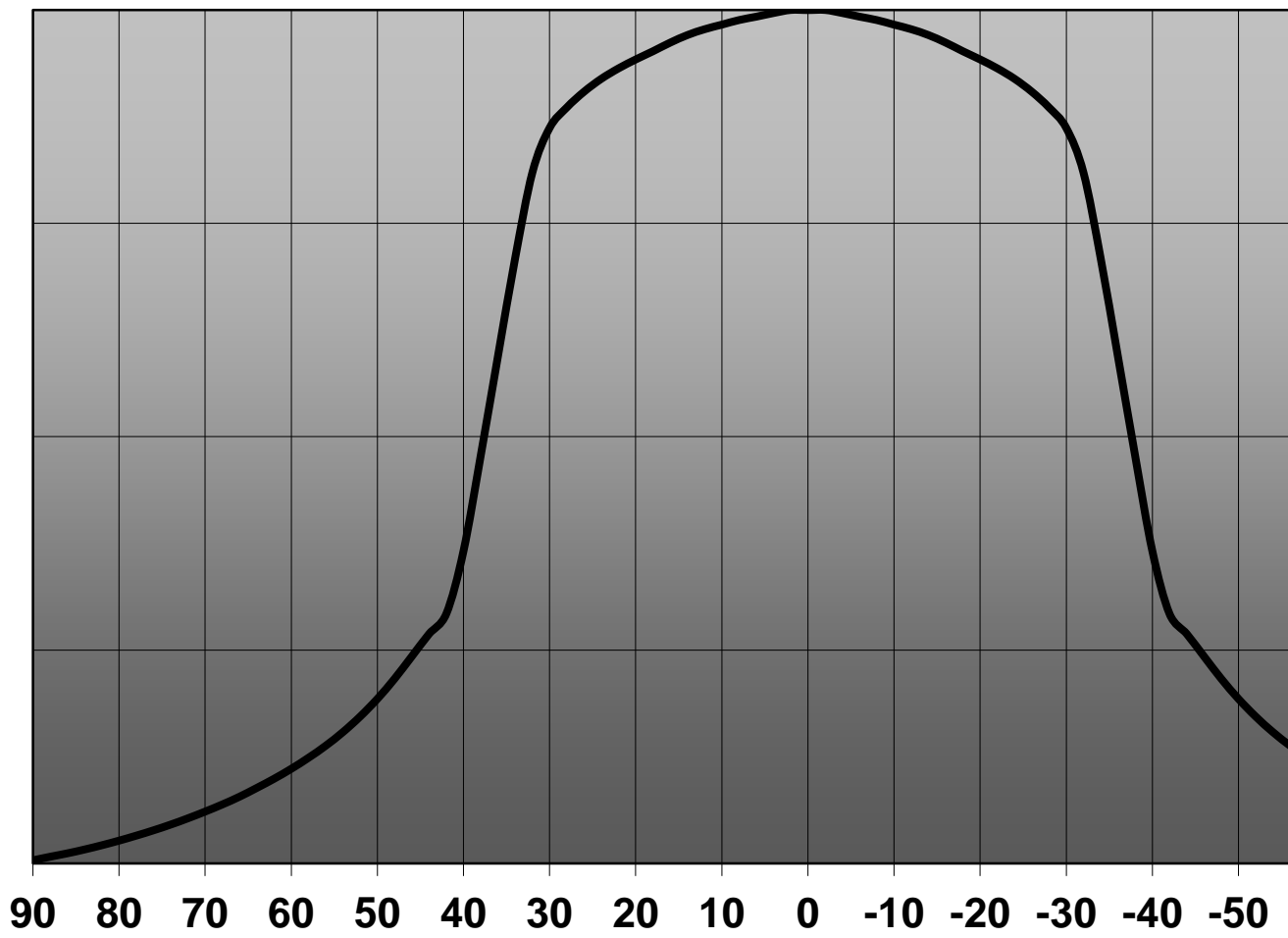
NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

GENERAL INFORMATION

- Product series especially designed & optimized for CXA2011 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

Relative intensity of C12955_BARBARA-XW_(CXA

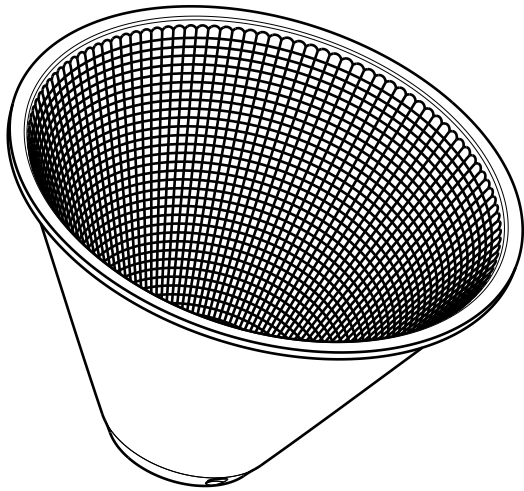


D

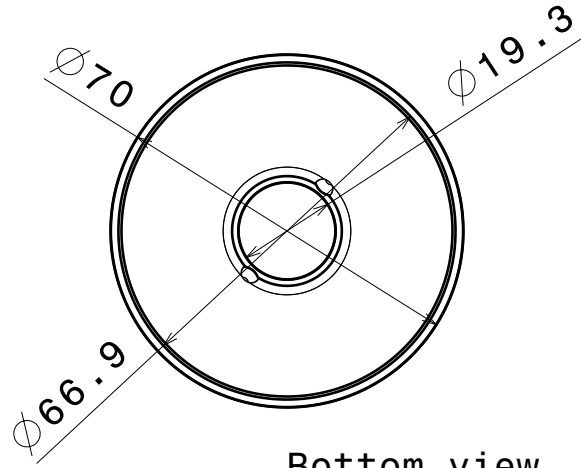
C

B

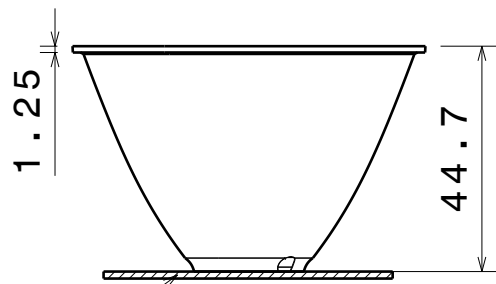
A



Isometric view

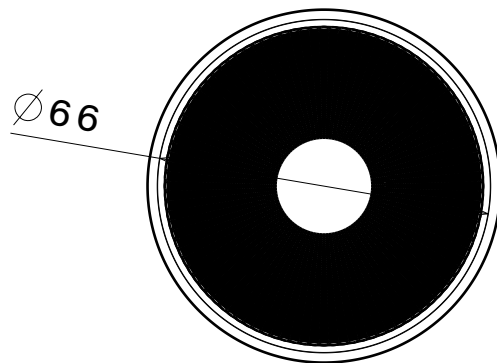


Bottom view



LED PCB

Front view



Top view

Material: PC with Metal coating and clear lacquer

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Ledil Oy
Salorankatu 10
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Barbara Reflector series

DRAWN BY
ah

DATE
3.1.2012

CHECKED BY
sn

DATE
3.1.2012

SIZE
A4

DRAWING NUMBER

REV
2

DESIGNED BY
ol

DATE
23.06.2010

SCALE

2:3

WEIGHT (g)

SHEET

1/1

D

A

4

4

3

3

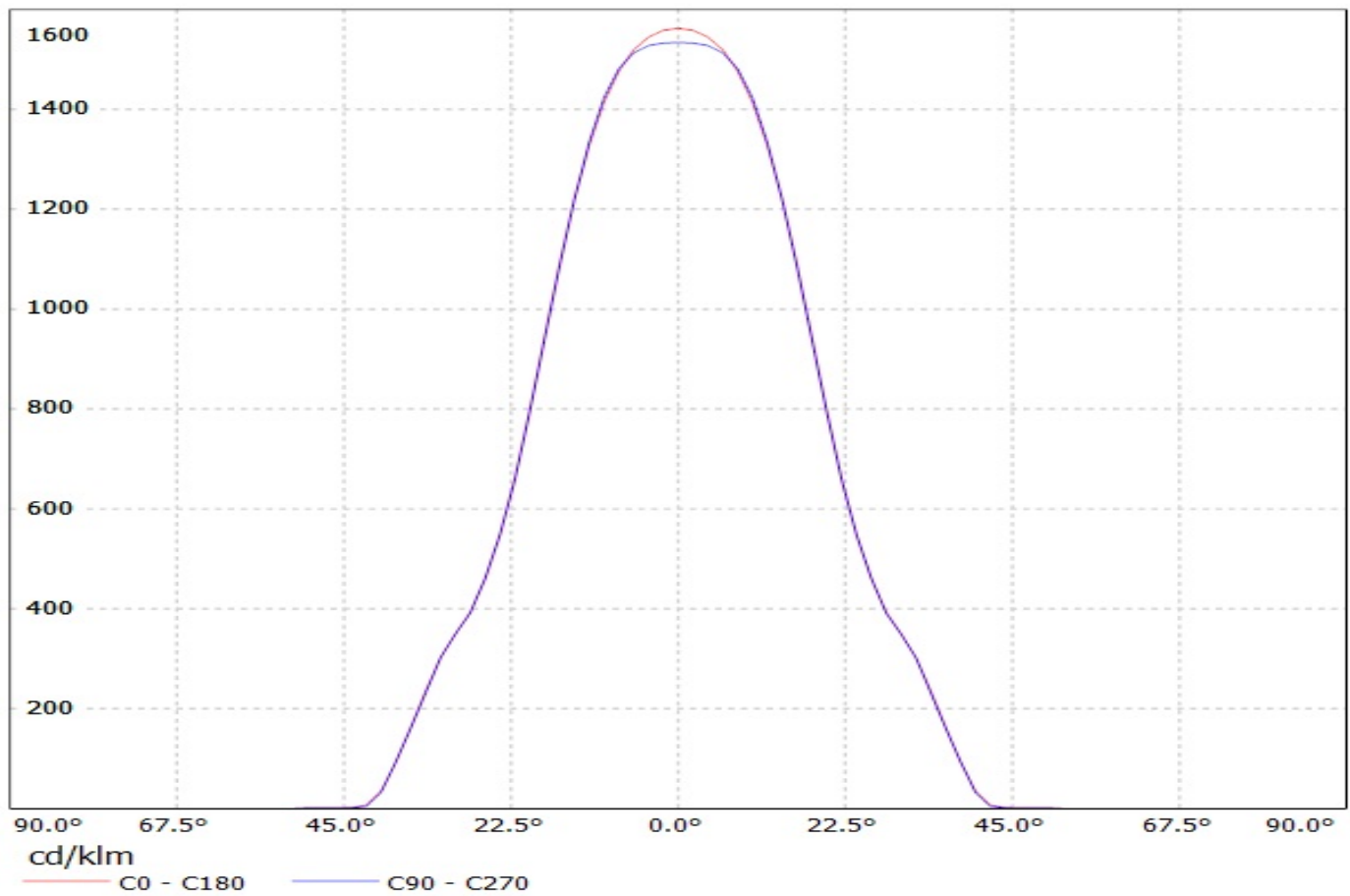
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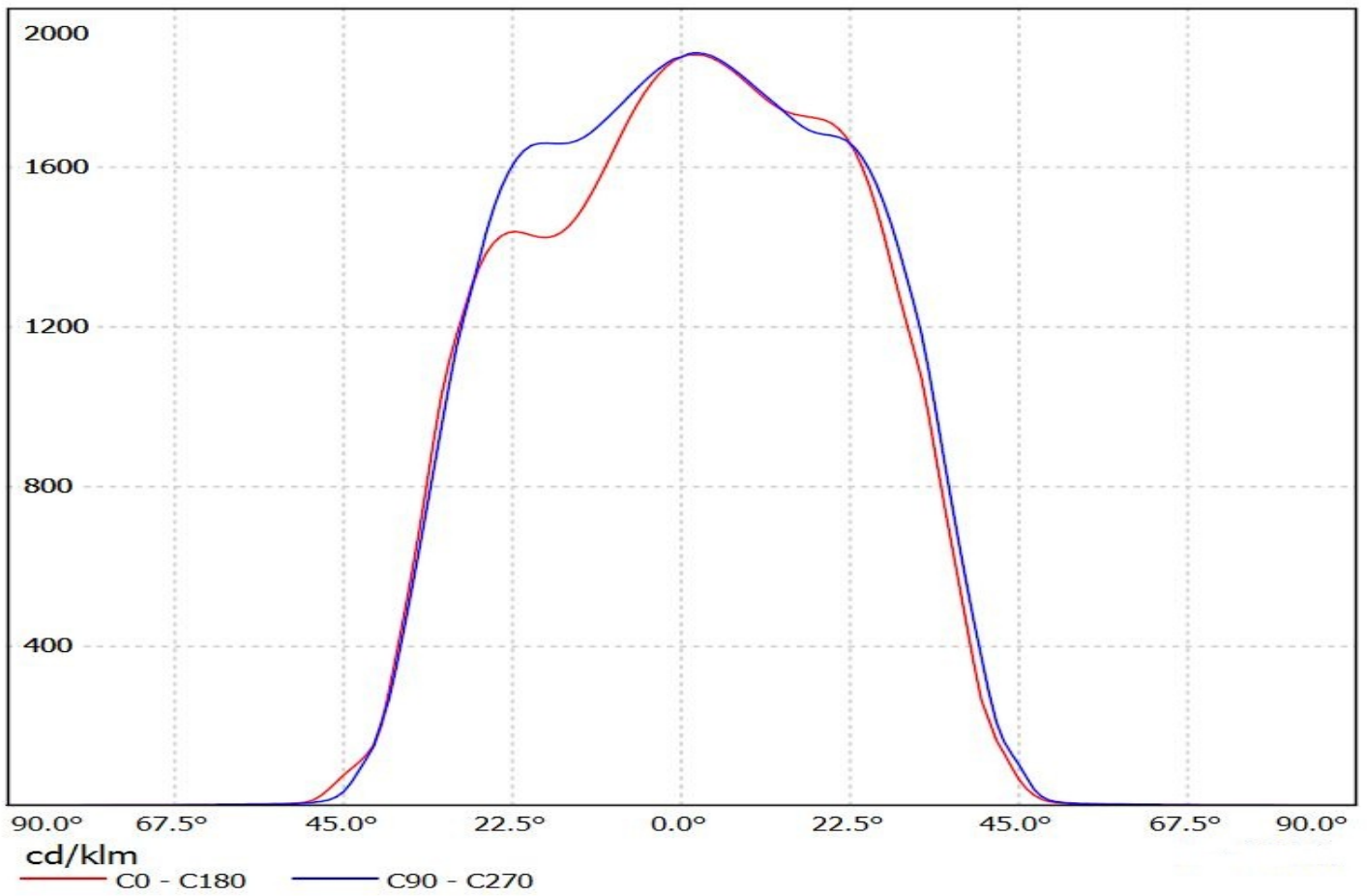
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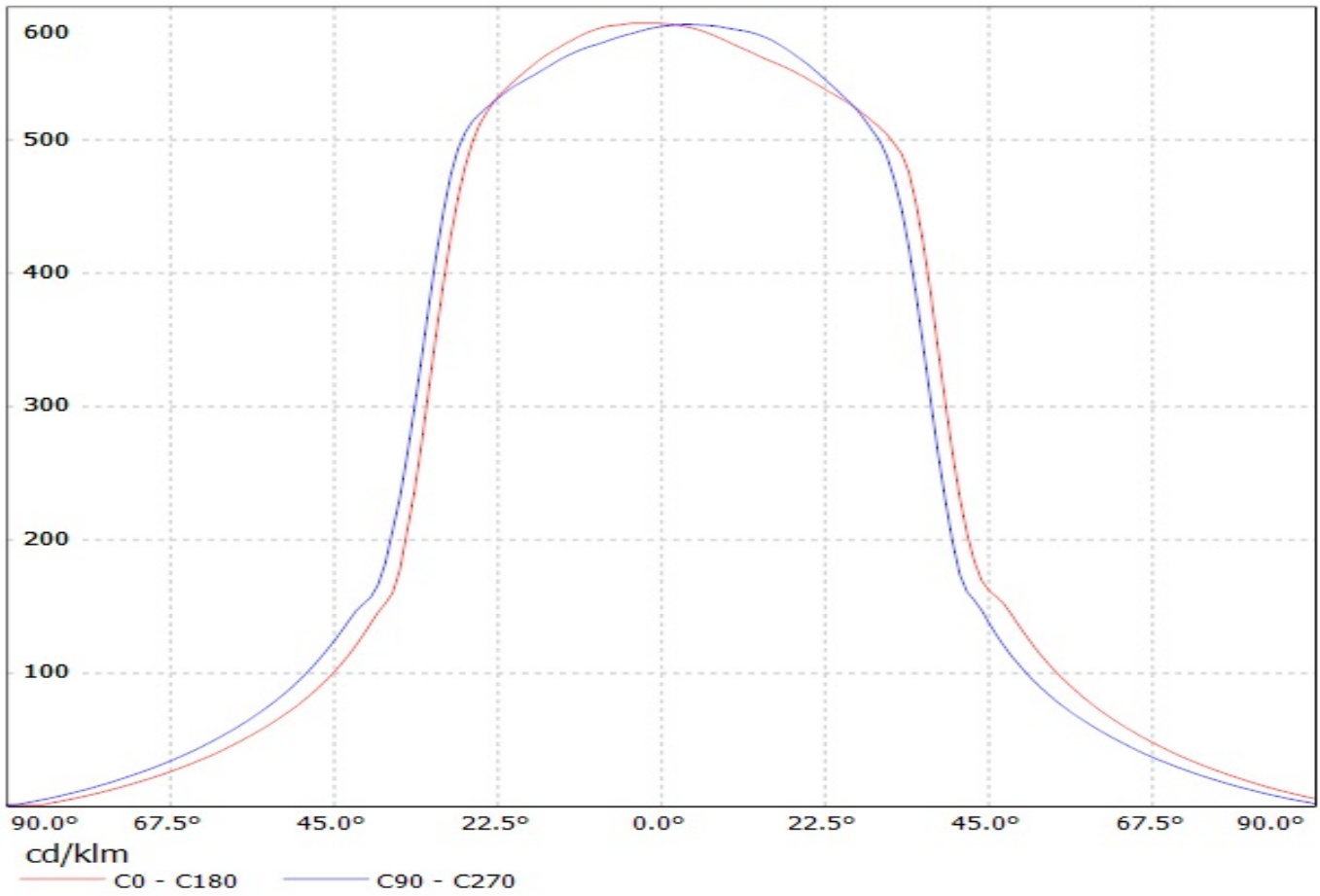
Luminaire: Ledil Oy C11553_Barbara-W_CXA20 C11553_Barbara-W_CXA20
Lamps: 1 x Cree CXA20



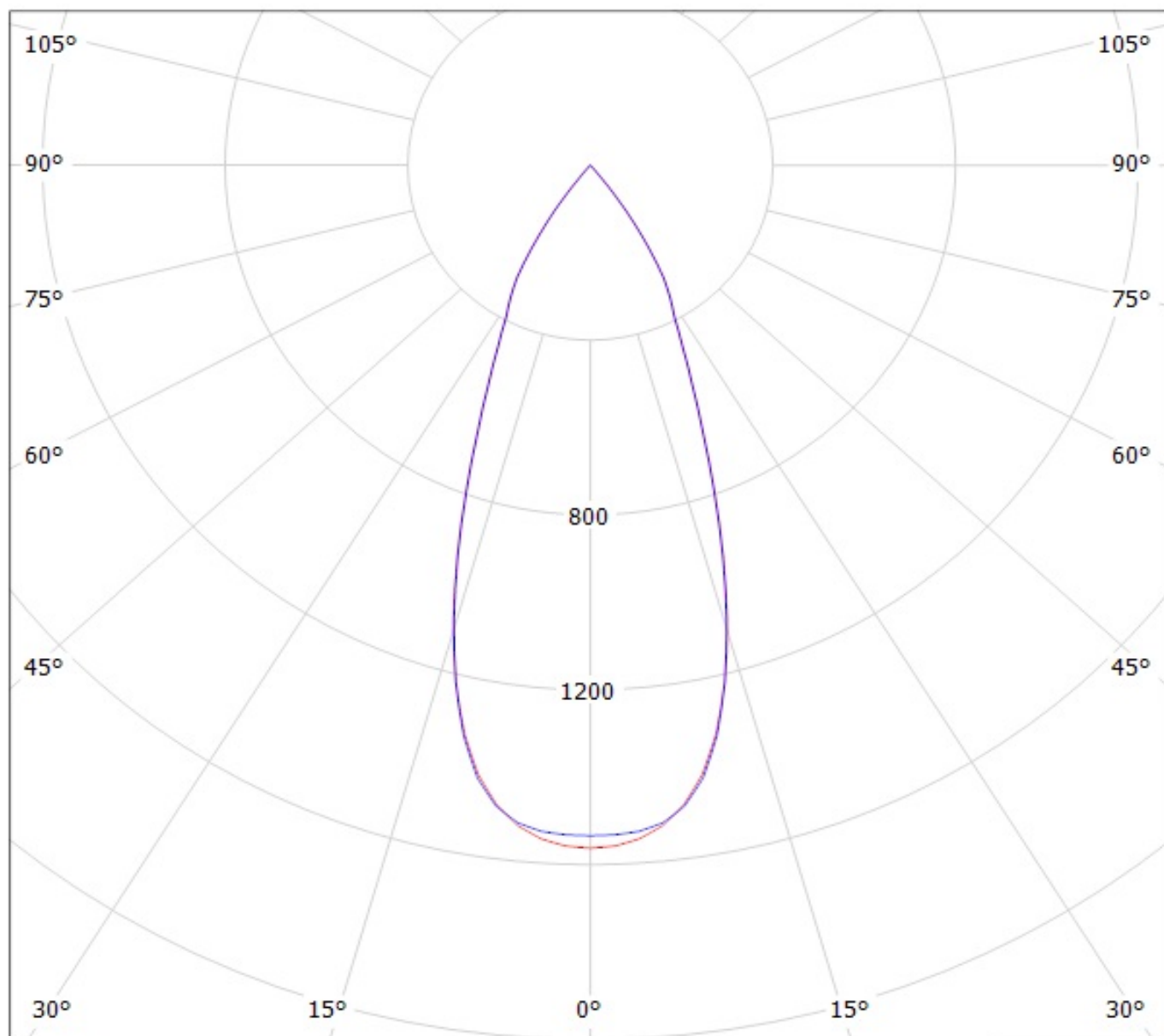
Luminaire: LEDIL OY C13032_BARBARA-WW+CXA20
Lamps: 1 x CXA20



Luminaire: LEDiL Oy C12955_BARBARA-XW_(CXA-2011) Eff.89.7%
Lamps: 1 x Cree CXA-2011 (698lm@250mA)



Luminaire: Ledil Oy C11553_Barbara-W_CXA20 C11553_Barbara-W_CXA20
Lamps: 1 x Cree CXA20

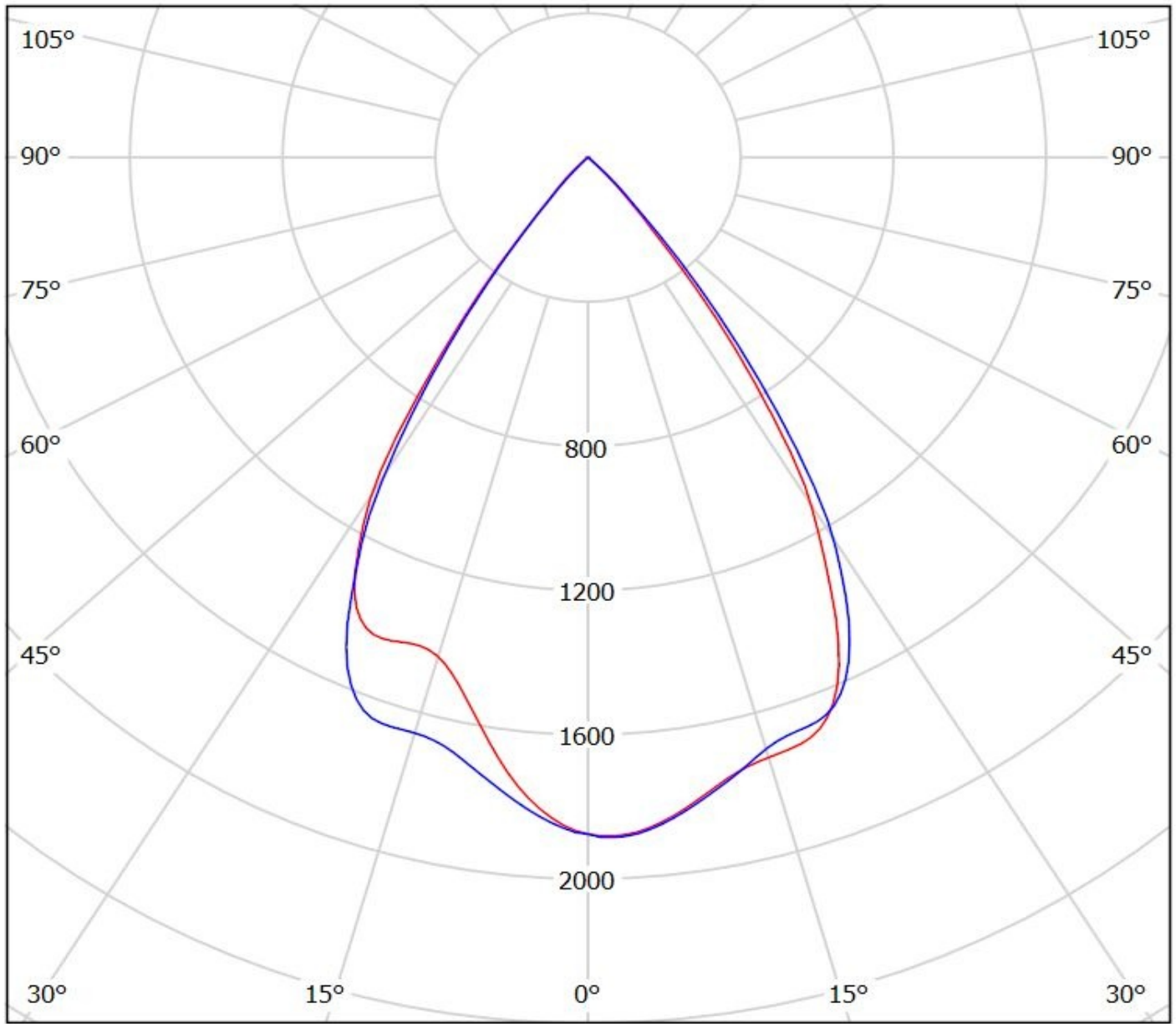


cd/klm

— C0 - C180

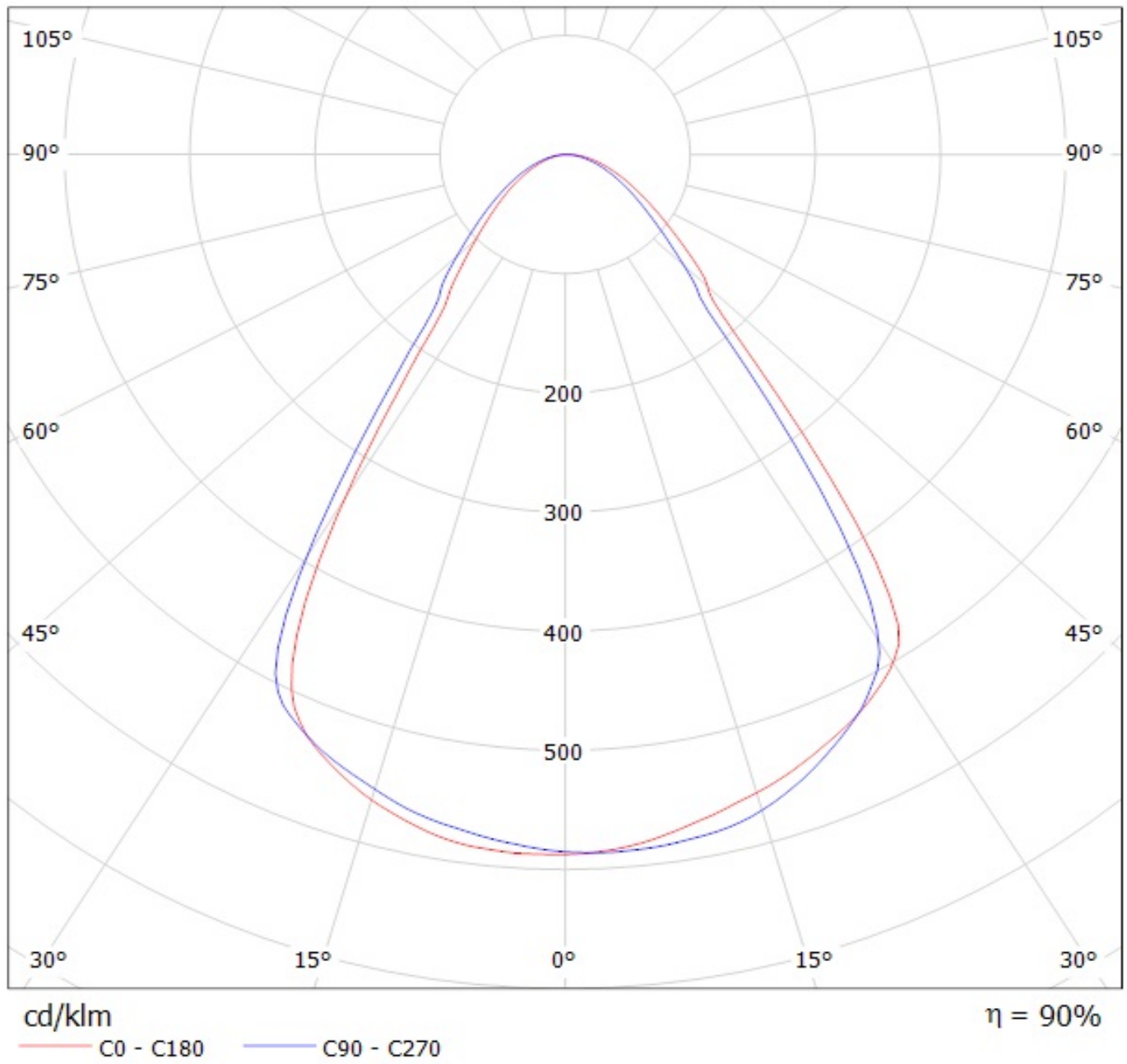
— C90 - C270

Luminaire: LEDIL OY C13032_BARBARA-WW+CXA20
Lamps: 1 x CXA20



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C12955_BARBARA-XW_(CXA-2011) Eff.89.7%
Lamps: 1 x Cree CXA-2011 (698lm@250mA)



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