

DETAILS

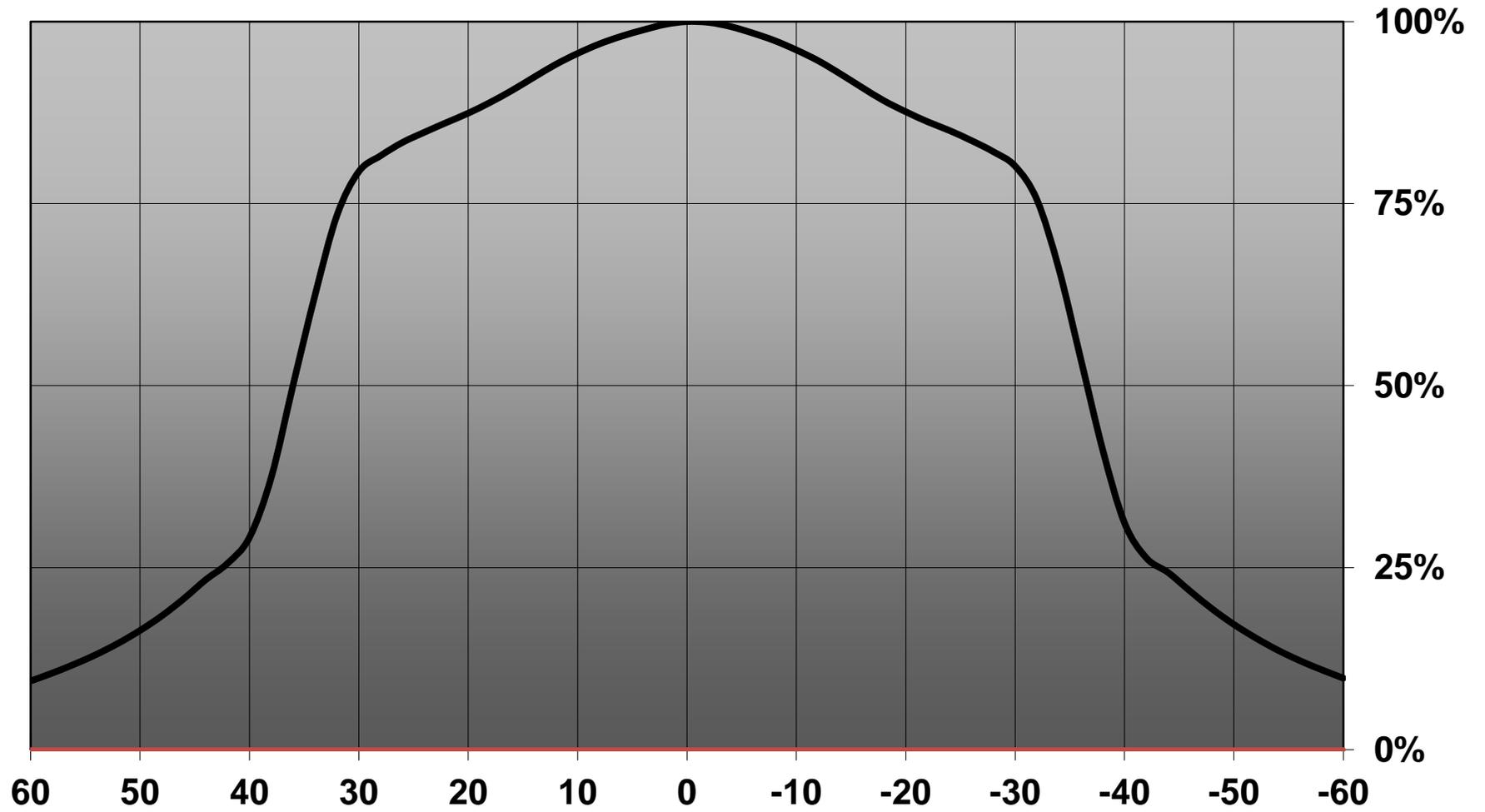
Product Number	C12955_BARBARA-XW
Family	Barbara
Type	Reflector
Color	white
Diameter	70 mm
Height	44,7 mm
Style	round
Optic Material	HRPC
Holder Material	
Fastening	glue
Status	production ready
ROHS Compliant	Yes
Date Updated	5/02/2016

OPTICAL PROPERTIES

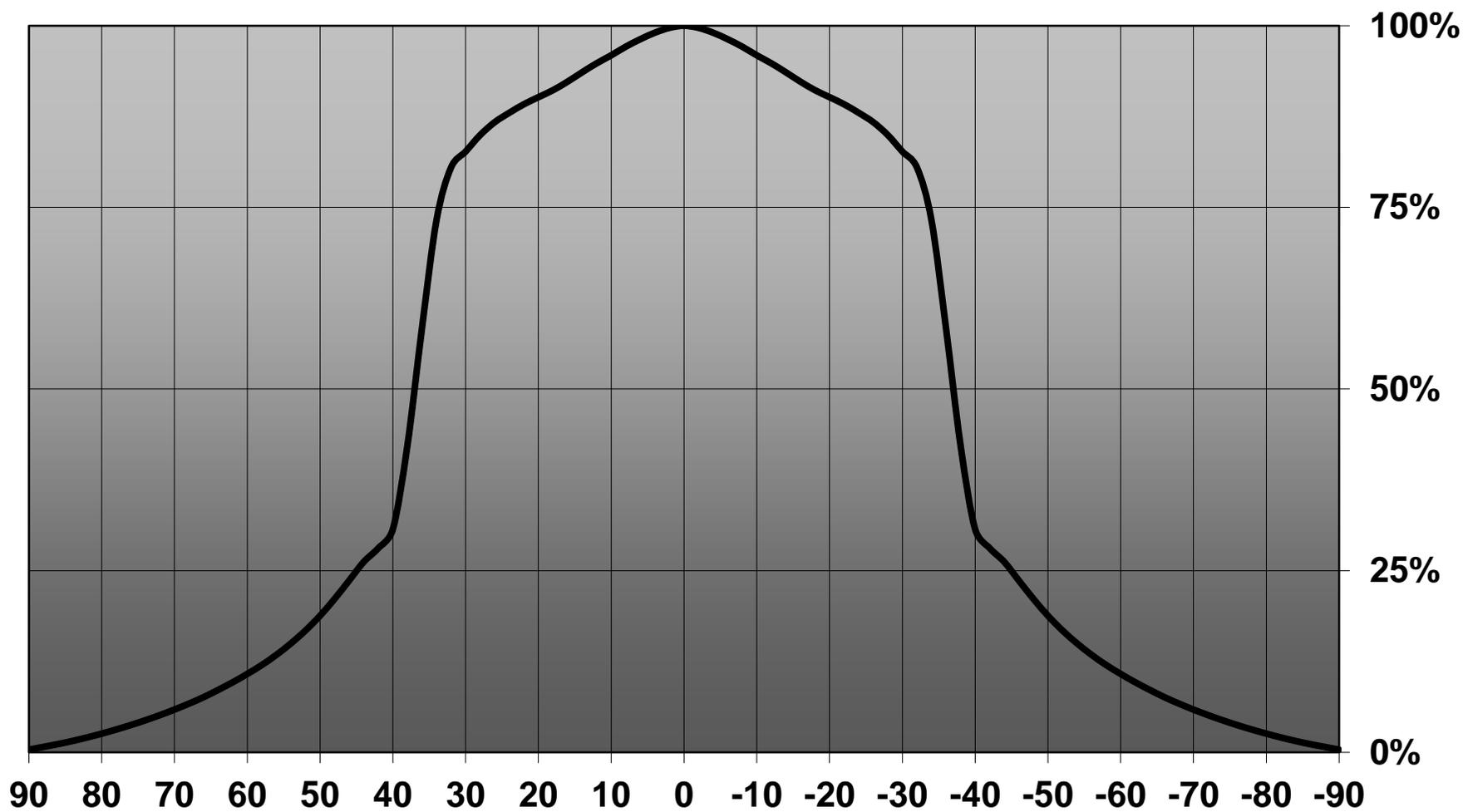
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CLU730	sim: 68	WWW-class	sim: 86 %	sim: 0.730	-
COB 10W/13W/17W/24W	72 deg	WWW-class	91 %	0.600	-
CLU720	72 deg	WWW-class	92 %	0.620	-
SLE G5 LES15	72 deg	WWW-class	91 %	0.625	-
NSBxL110	74 deg	WWW-class	91 %	0.500	-
BXRA ES Rectangle	75 deg	WWW-class	93 %	0.550	-
CXA2011	75 deg	WWW-class	90 %	0.520	-
CL-L330	76 deg	WWW-class	92 %	0.560	-



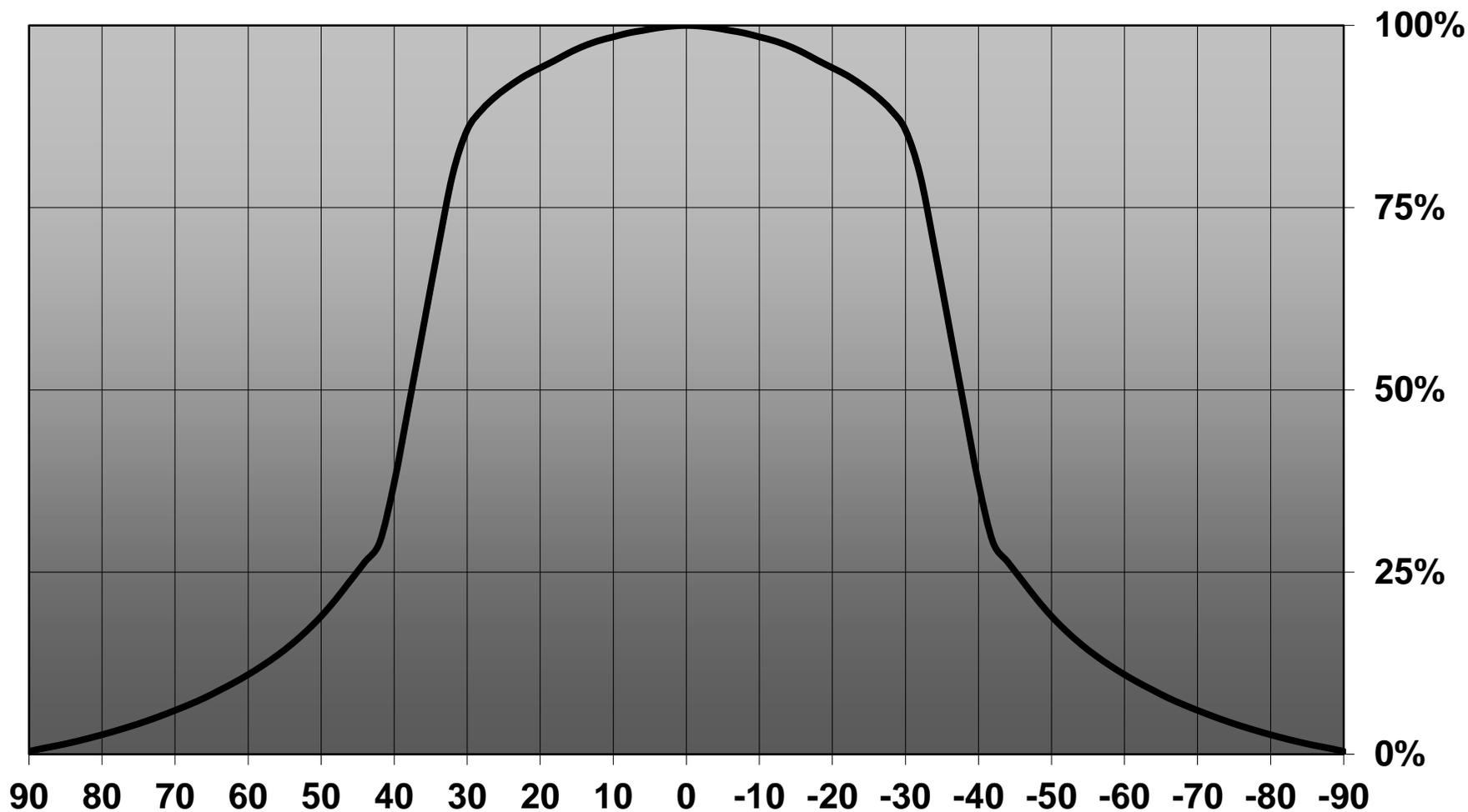
Relative intensity of Barbara-XW (COB-10W)



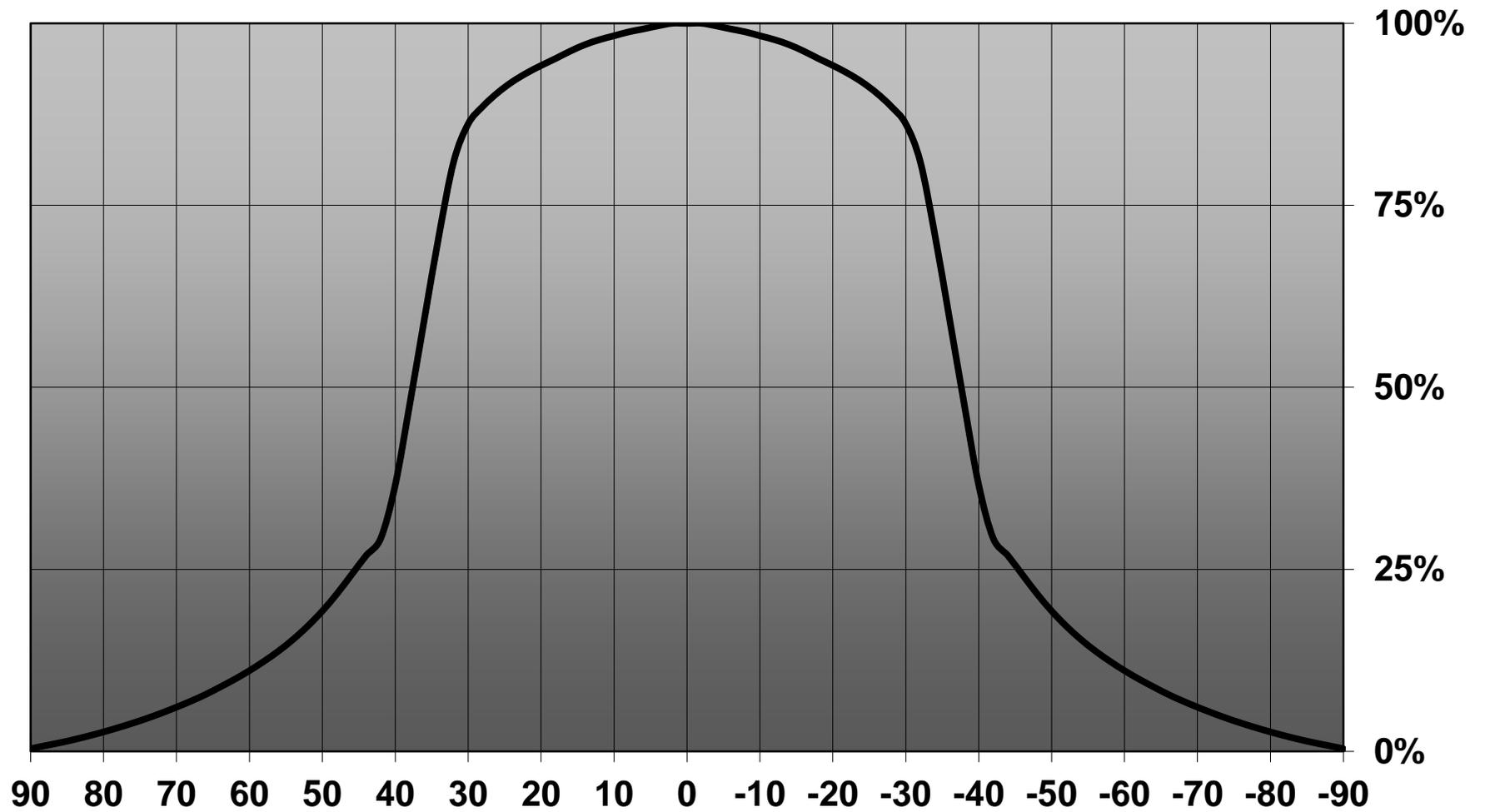
Relative intensity of C12955_BARBARA-XW_(COB-L110)



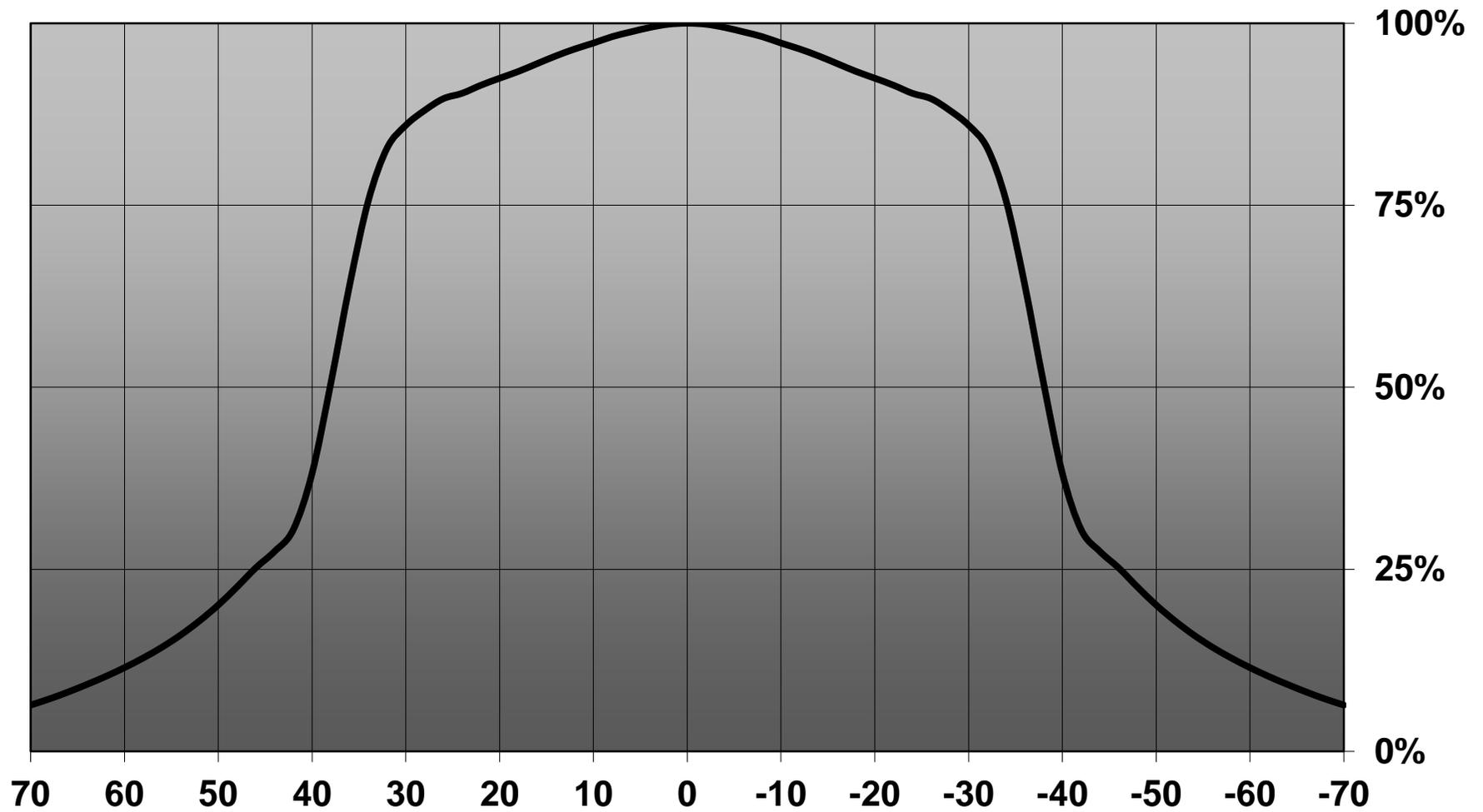
Relative intensity of C12955_BARBARA-XW_(BXRA_ES)



Relative intensity of C12955_BARBARA-XW_(CXA20)



Relative intensity of C12955_BARBARA-XW_(CL-L330)



D

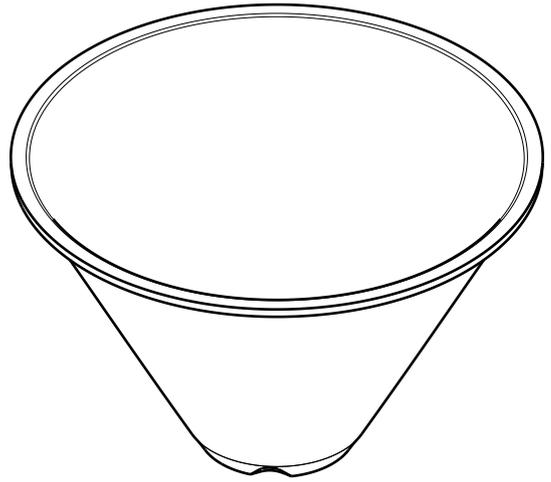
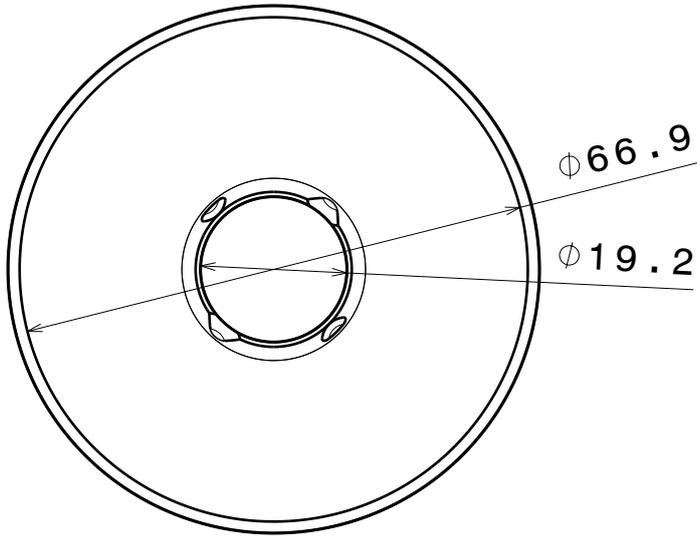
C

B

A

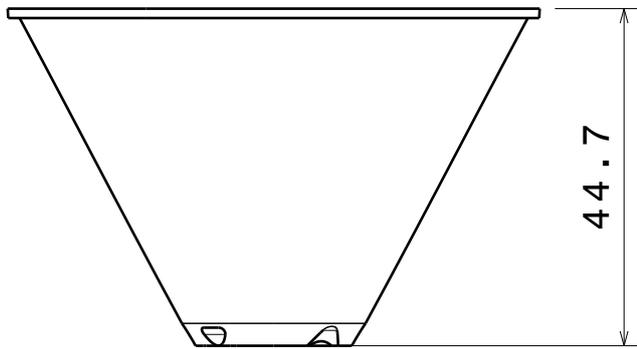
4

4



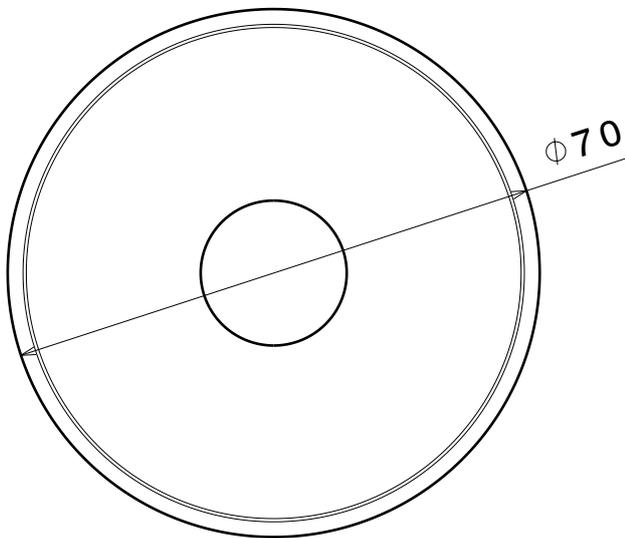
3

3



2

2



Material:

PC, high reflective white

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It can't be reproduced
or communicated without
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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

BARBARA - XW

DRAWN BY

as

DATE

3.8.2012

CHECKED BY

sn

DATE

-

DESIGNED BY

-

DATE

-

SIZE

A4

PART NUMBER

REV

001

SCALE

1:1

WEIGHT

SHEET

1/1

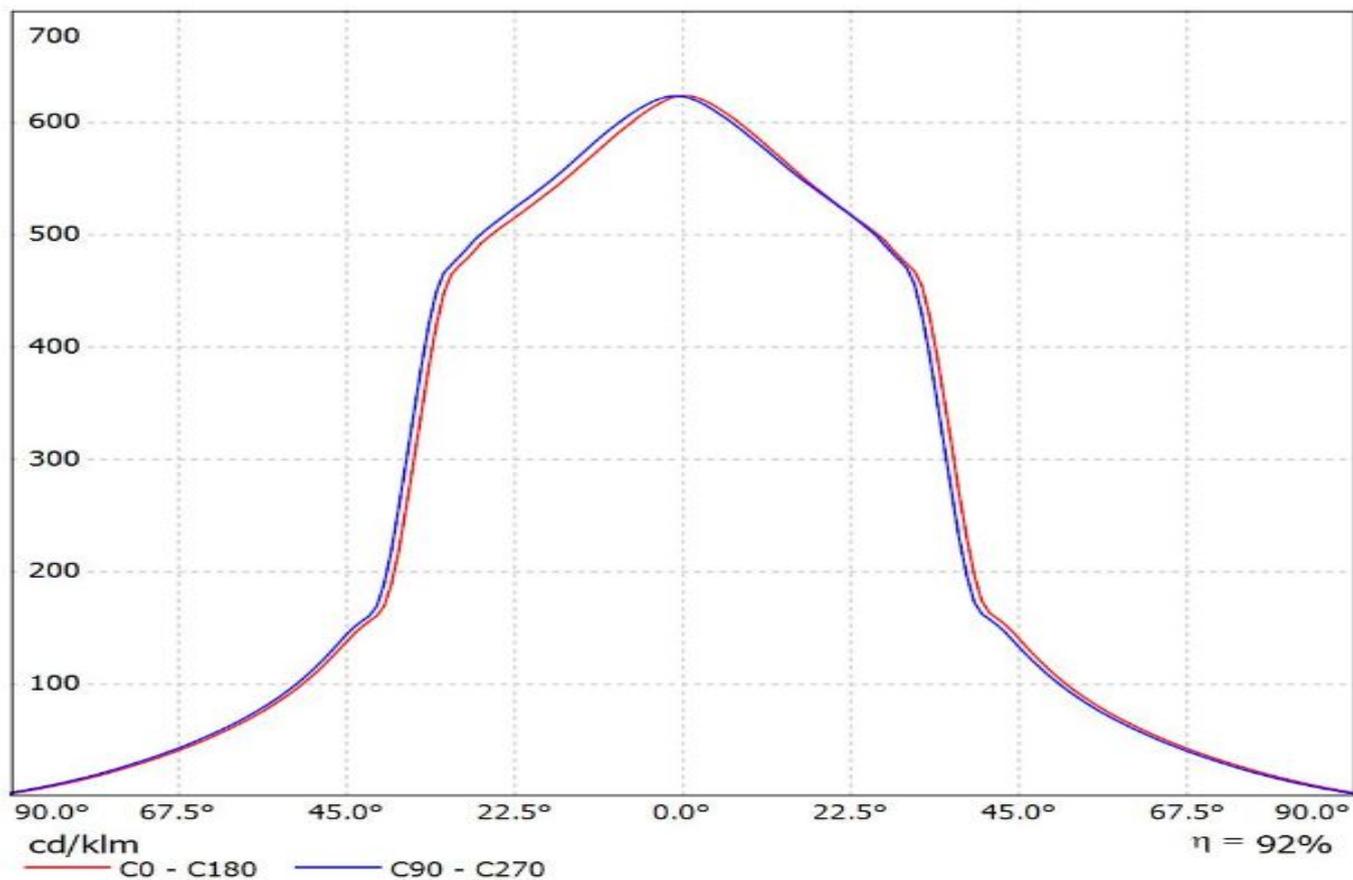
D

A

1

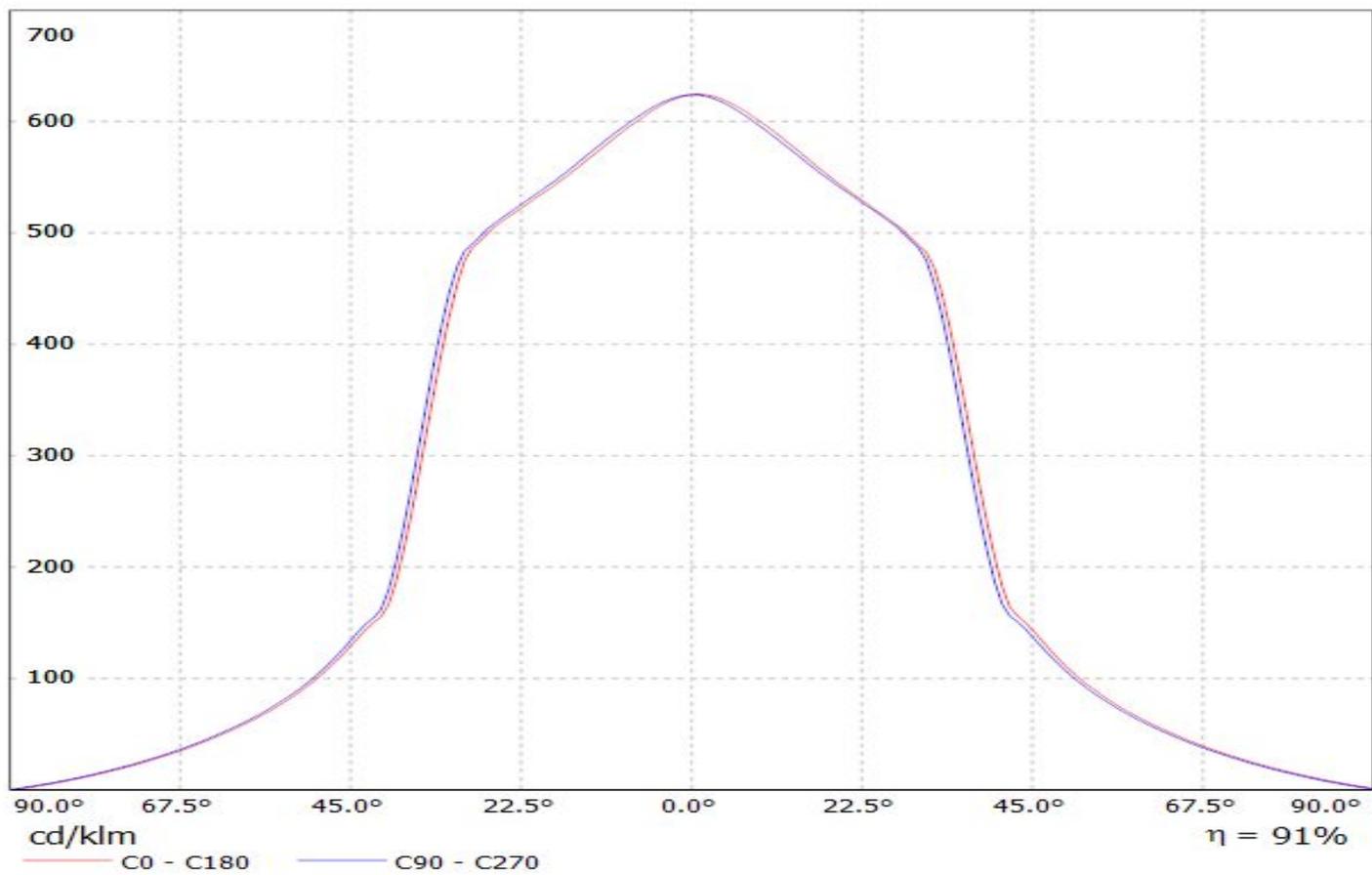
1

Luminaire: Ledil C12955_BARBARA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A

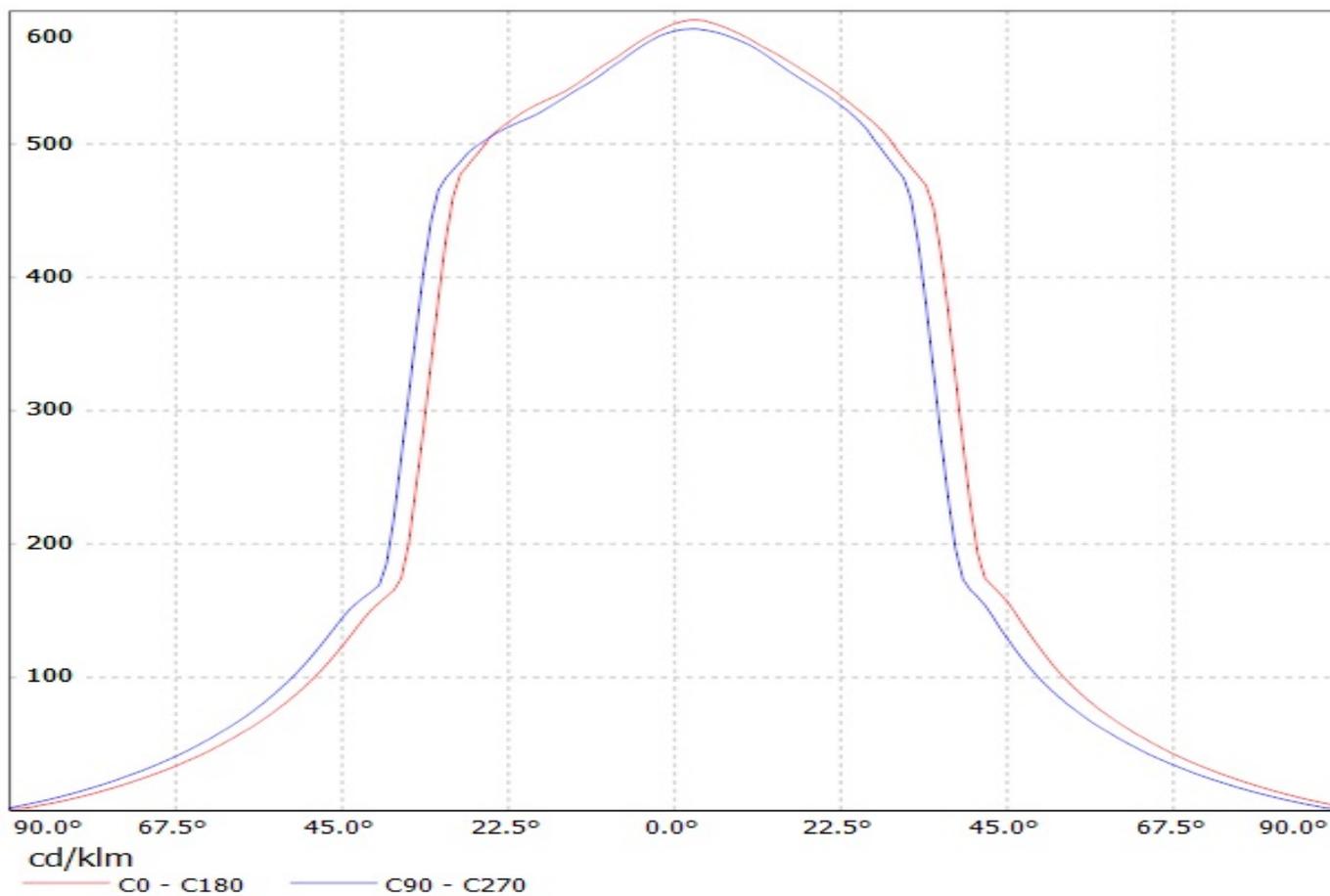


Luminaire: LEDiL Oy C12955_BARBARA-XW_(SLE-G5_LES-15)

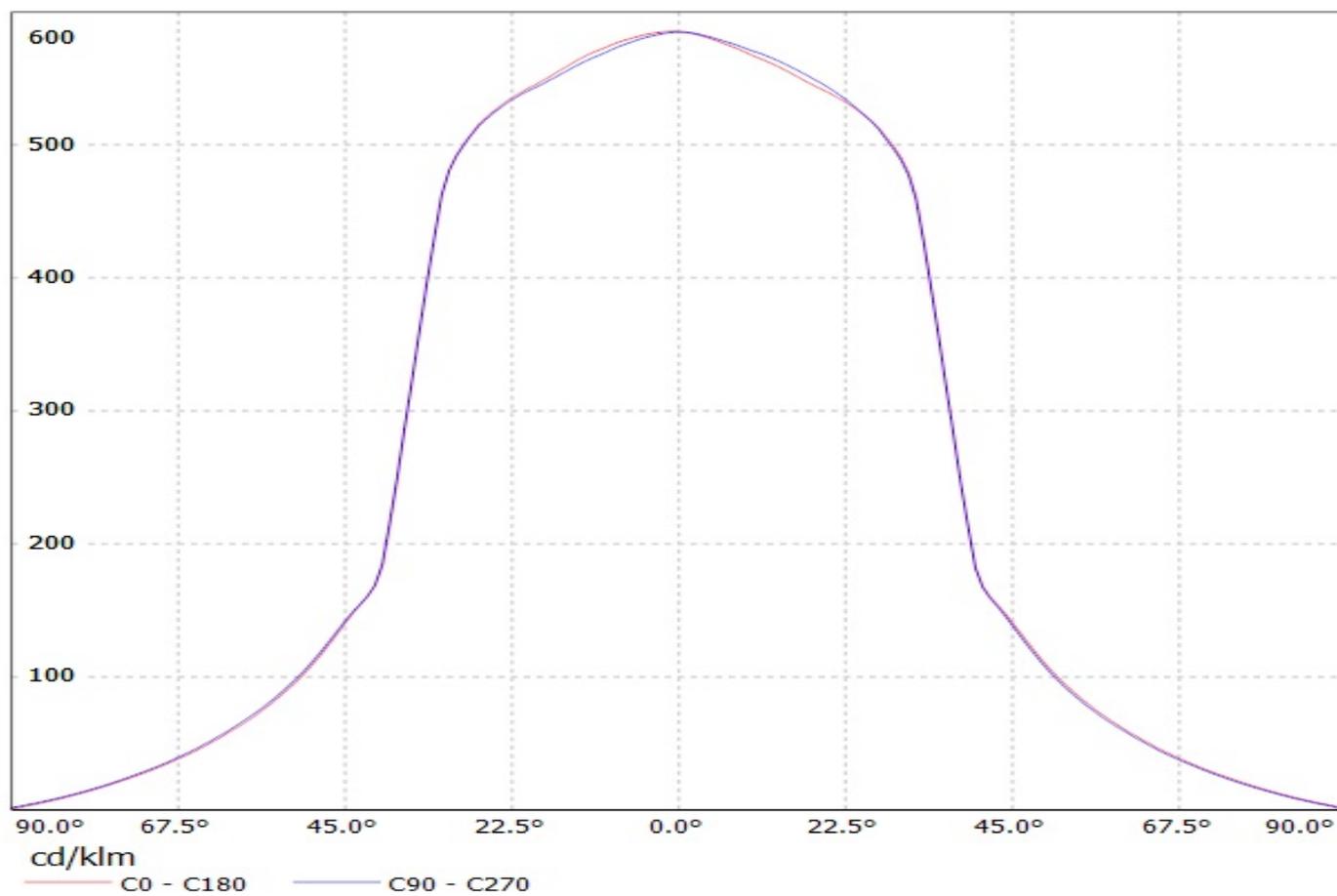
Lamps: 1 x Tridonic_SLE-G5_LES-15_1280.24lm@250mA_P=8.6273W_I=0.250A



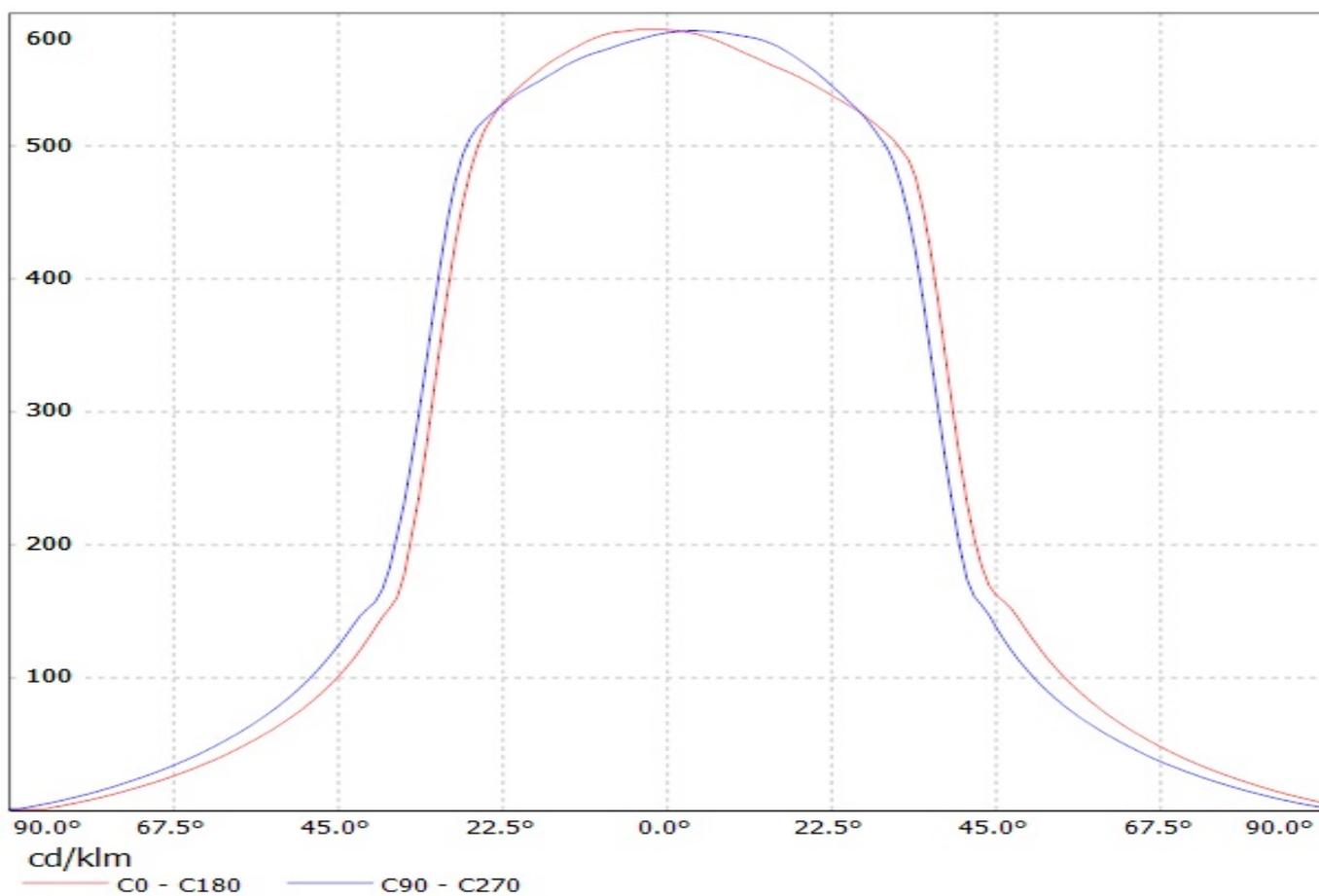
Luminaire: LEDiL Oy C12955_BARBARA-XW_(COB_L110) Eff.90.4%
Lamps: 1 x COB_L110 (458.926lm@250mA)



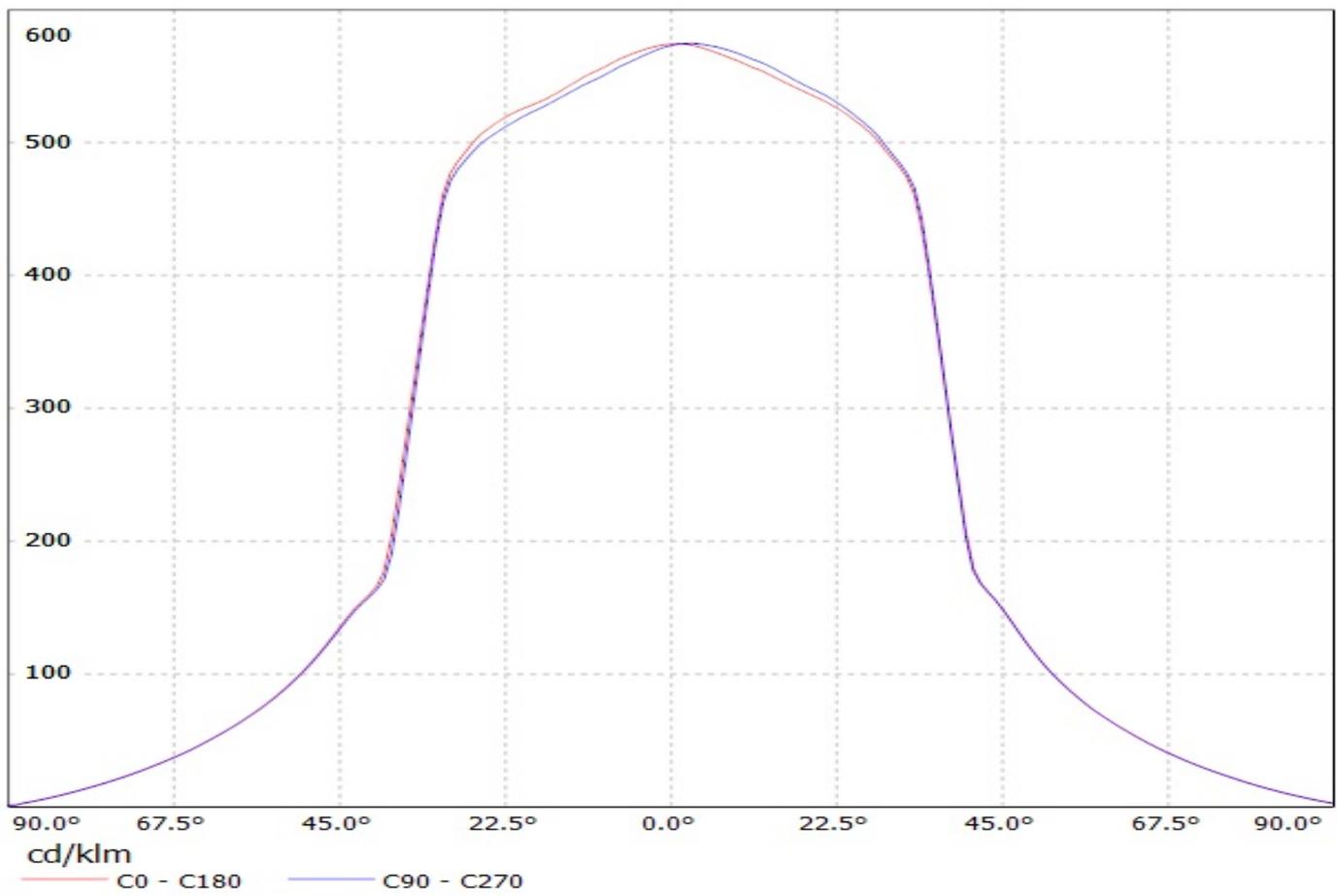
Luminaire: LEDiL Oy C12955_BARBARA-XW_(BXRA-ES) Eff.92.8%
Lamps: 1 x BXRA-N0802 (222.114lm@250mA)



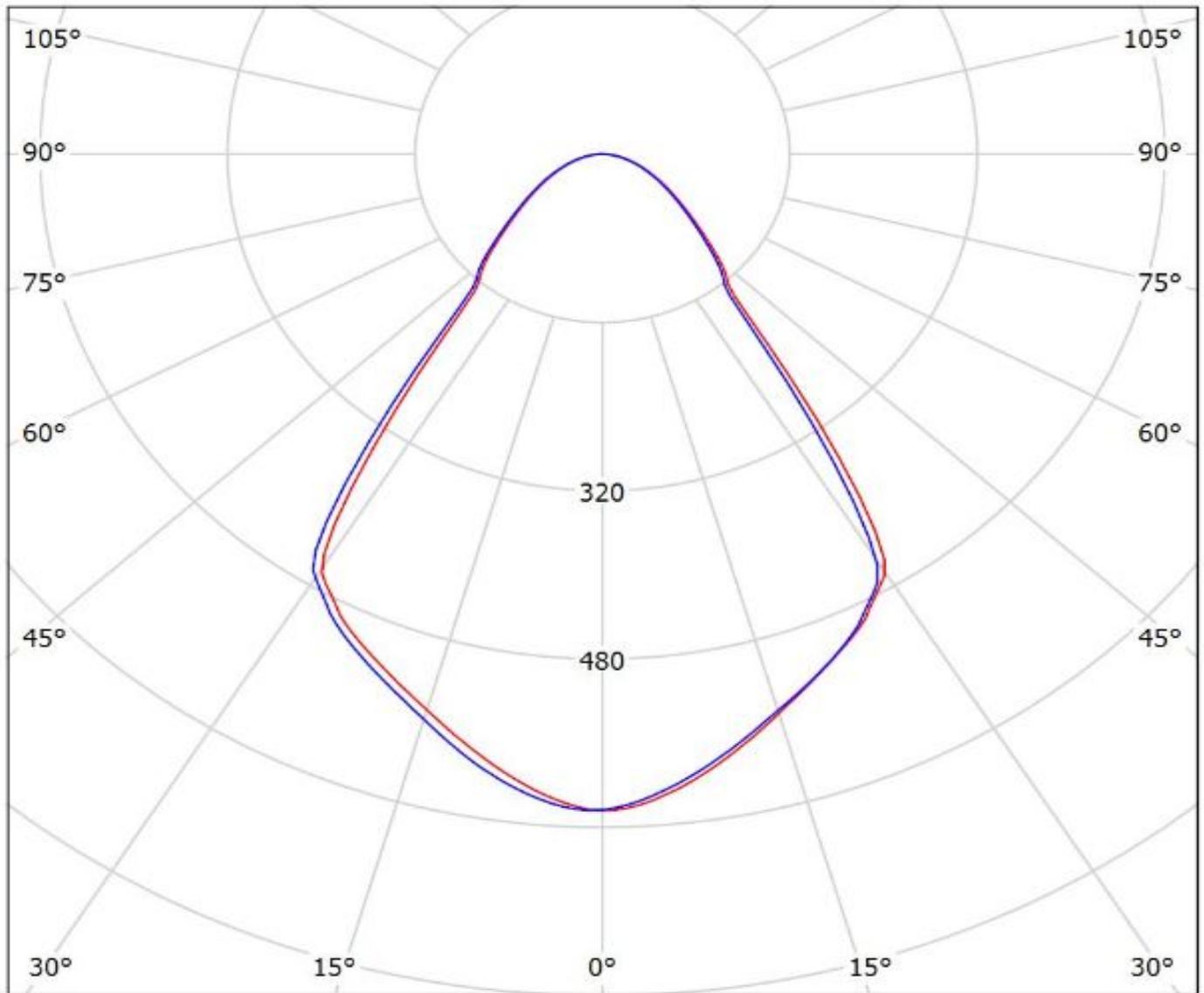
Luminaire: LEDiL Oy C12955_BARBARA-XW_(CXA-2011) Eff.89.7%
Lamps: 1 x Cree CXA-2011 (698lm@250mA)



Luminaire: LEDiL Oy C12955_BARBARA-XW_(CLL-330) Eff.91.5%
Lamps: 1 x CLL-330 (858.864lm@250mA)



Luminaire: Ledil C12955_BARBARA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A

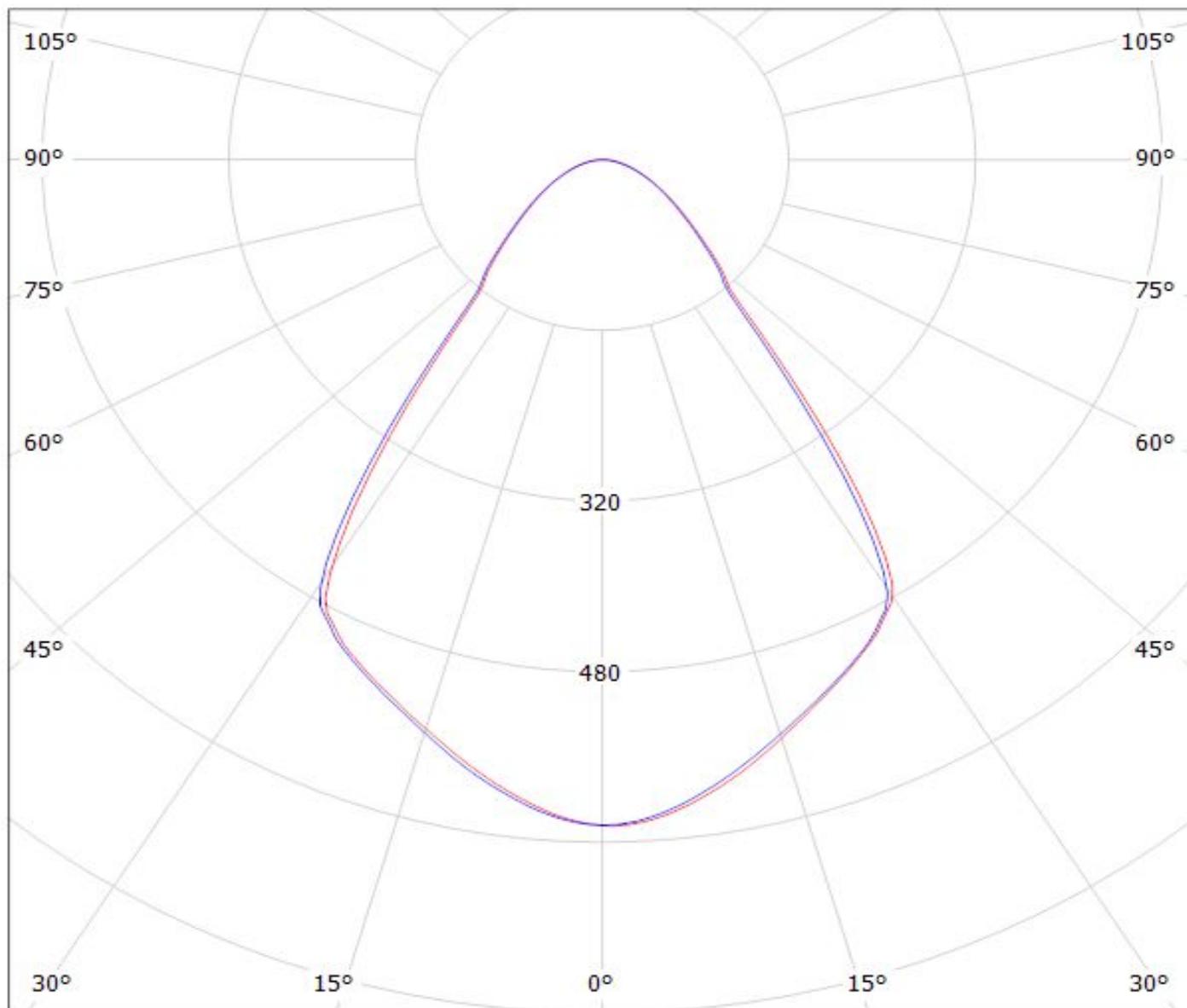


cd/klm
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C12955_BARBARA-XW_(SLE-G5_LES-15)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1280.24lm@250mA_P=8.6273W_I=0.250A

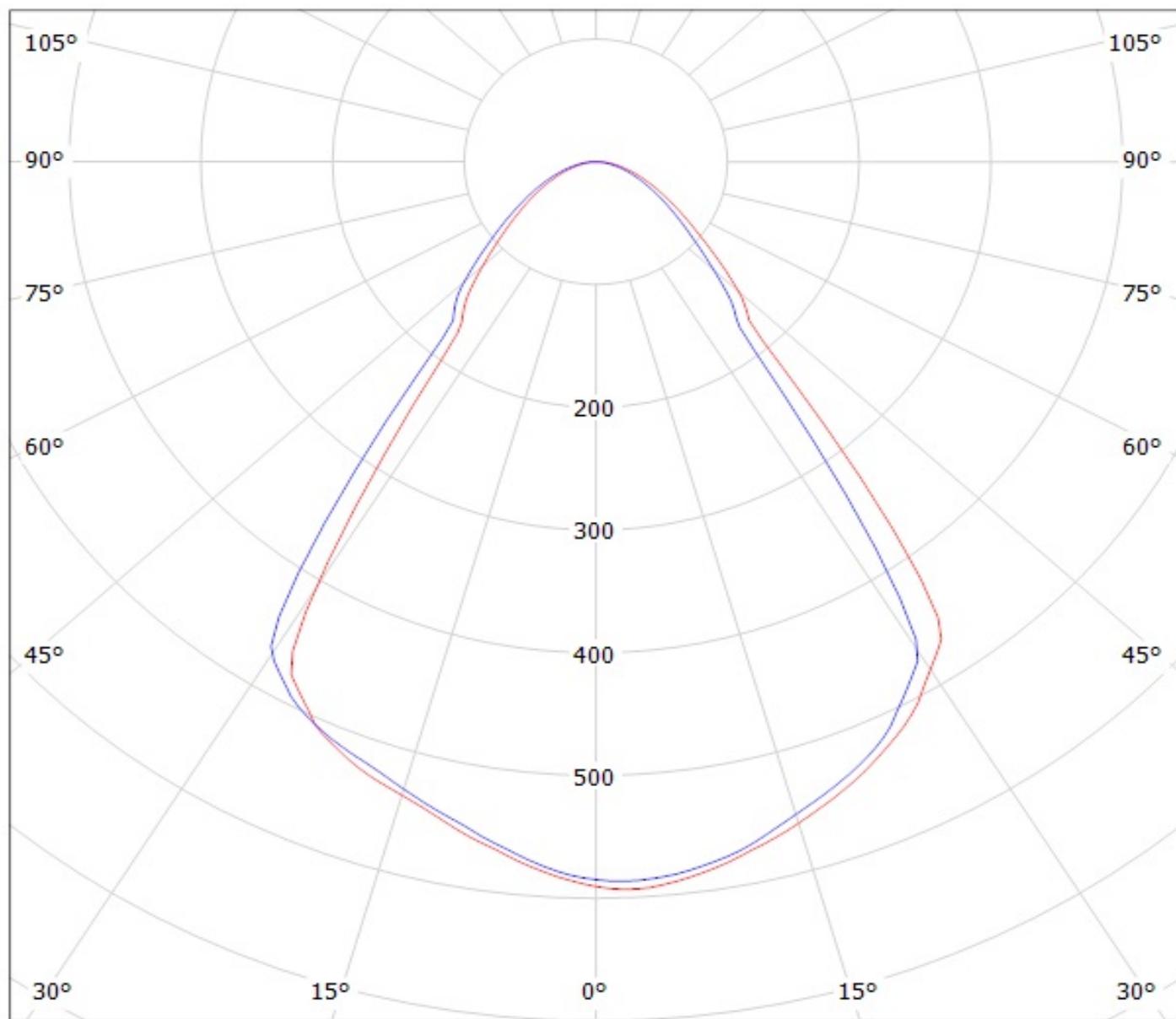


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy C12955_BARBARA-XW_(COB_L110) Eff.90.4%
Lamps: 1 x COB_L110 (458.926lm@250mA)

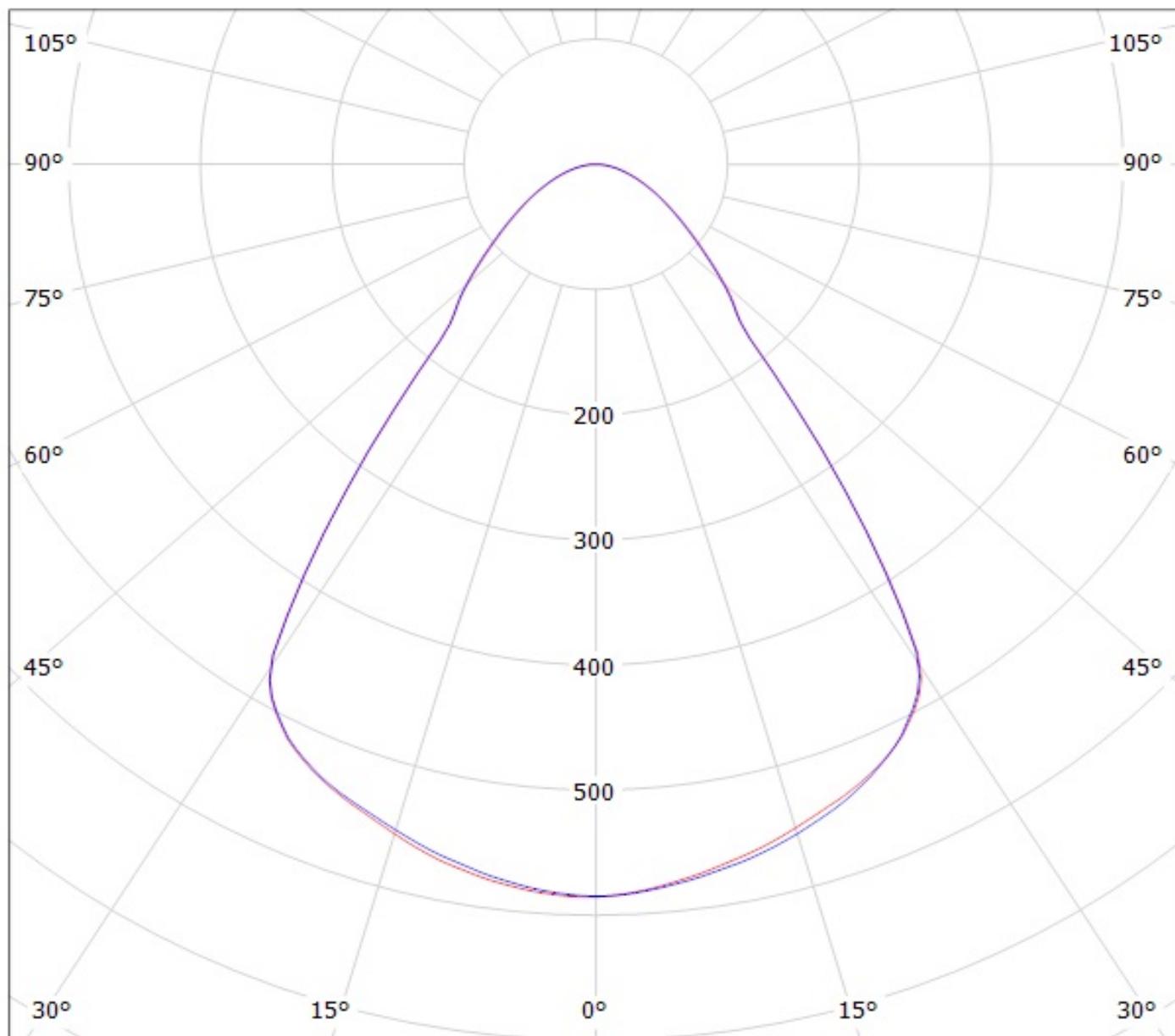


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12955_BARBARA-XW_(BXRA-ES) Eff.92.8%
Lamps: 1 x BXRA-N0802 (222.114lm@250mA)

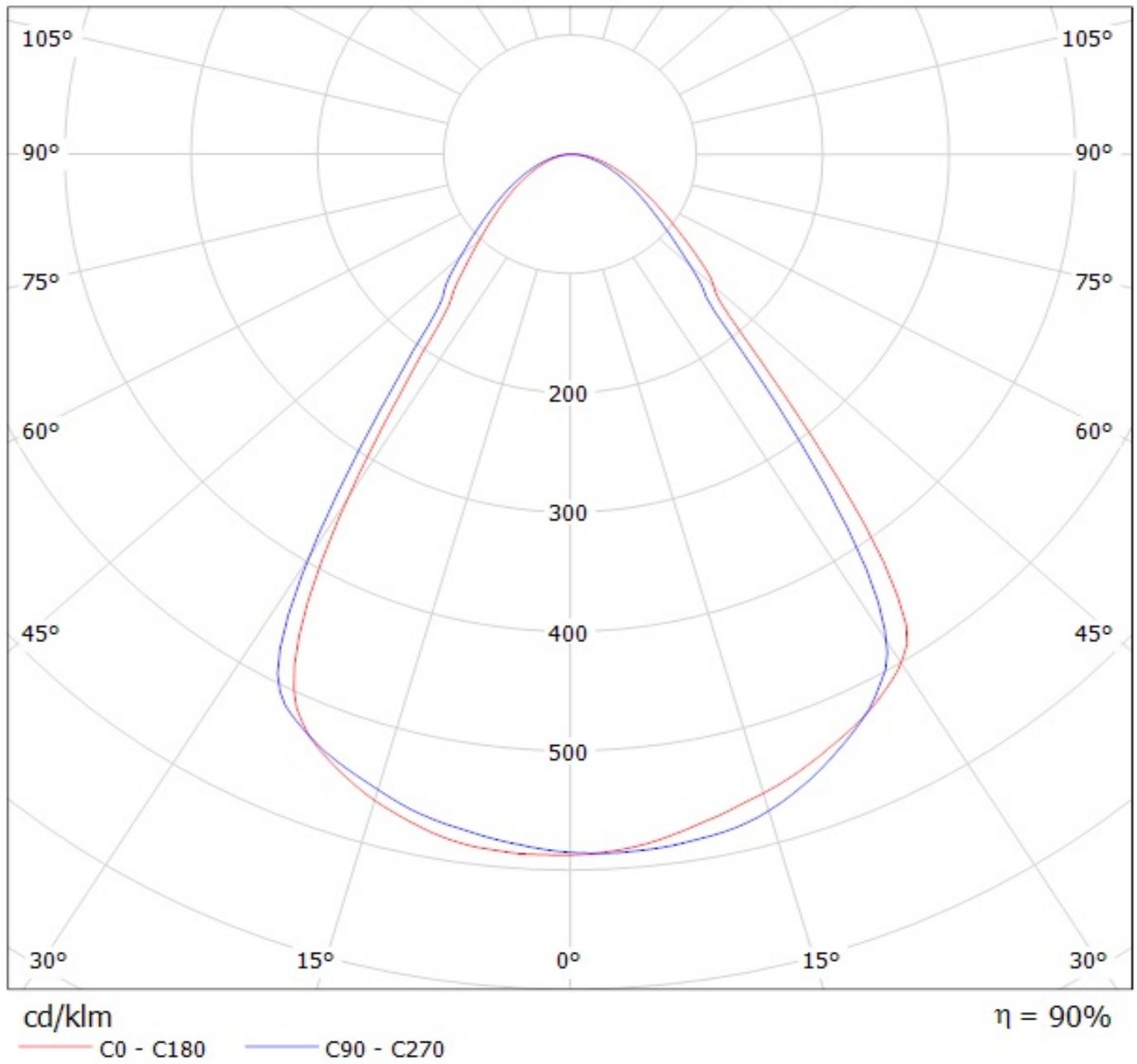


cd/klm

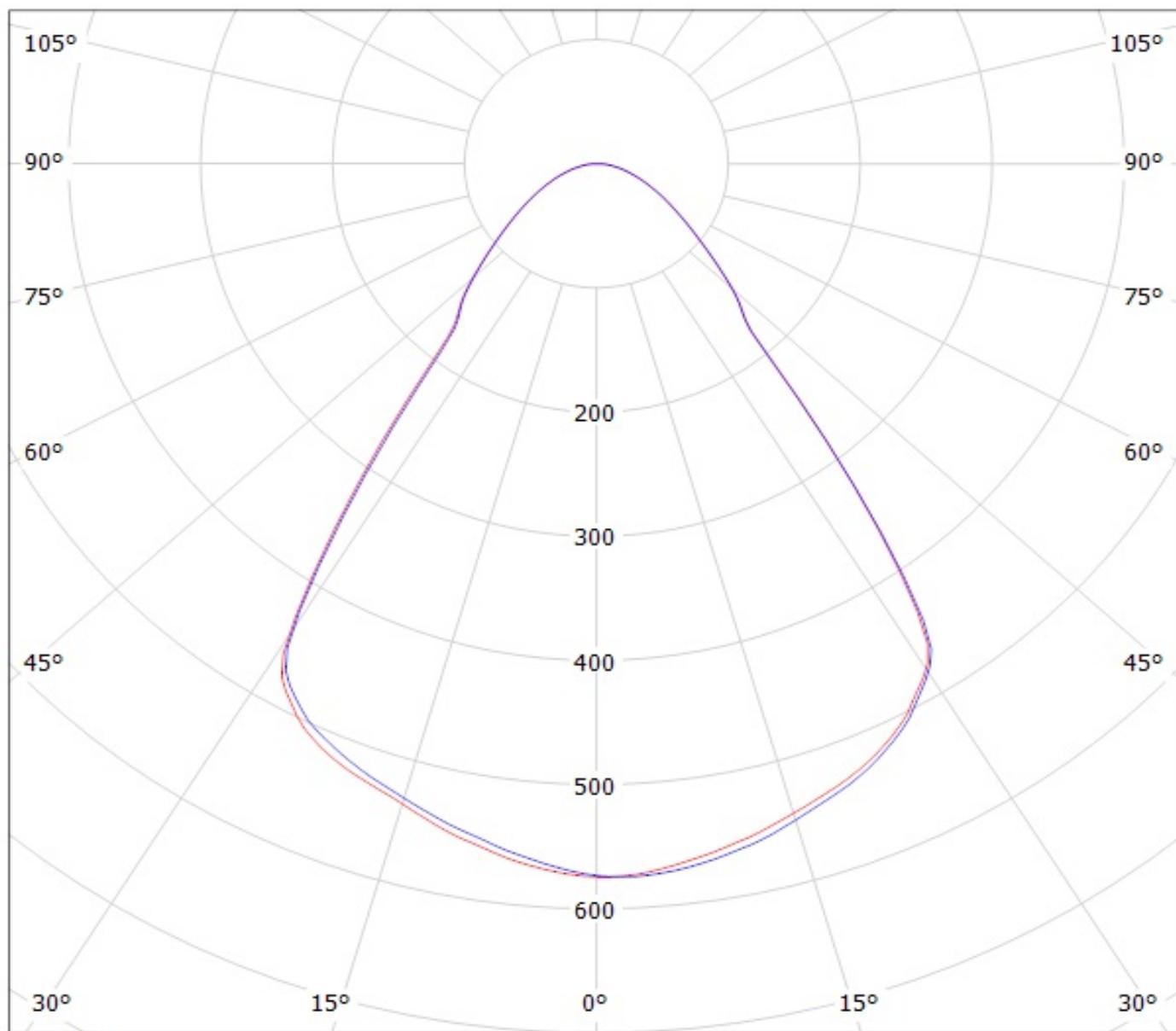
— C0 - C180

— C90 - C270

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



Luminaire: LEDiL Oy C12955_BARBARA-XW_(CLL-330) Eff.91.5%
Lamps: 1 x CLL-330 (858.864lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

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 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

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.

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 glue.

NOTE 2: All surfaces where glue 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.