

**Product number C11552\_BARBARA-S**

Family Barbara  
 Type Reflector  
 LED BXRA ES Rectangle  
 Color Metal  
 Diameter 70 mm  
 Height 44.7 mm  
 Style Round  
 Optic Material PC  
 Holder Material -  
 Fastening ["glue"]  
 Status Production ready

FWHM 17 degrees  
 Efficiency 90 %  
 cd/lm 5.060  
 Gerber File Available

Not compatible if PCB board fastened with screws.  
 Compatible if PCB board fastened with glue.

**Product number C11553\_BARBARA-W**

Family Barbara  
 Type Reflector  
 LED BXRA ES Rectangle  
 Color Metal  
 Diameter 70 mm  
 Height 44.7 mm  
 Style Round  
 Optic Material PC  
 Holder Material -  
 Fastening ["glue"]  
 Status Production ready

FWHM 37 degrees  
 Efficiency 90 %  
 cd/lm 2.010  
 Gerber File Available

Not compatible if PCB board fastened with screws.  
 Compatible if PCB board fastened with glue.

**Product number C13032\_BARBARA-WW**

Family Barbara  
 Type Reflector  
 LED BXRA ES Rectangle  
 Color Metal  
 Diameter 70 mm  
 Height 44.7 mm  
 Style Round  
 Optic Material PC  
 Holder Material -  
 Fastening ["glue"]  
 Status Production ready

FWHM 60 degrees  
 Efficiency 89 %  
 cd/lm 1.000  
 Gerber File Available

**Product number C12955\_BARBARA-XW**

Family Barbara  
 Type Reflector  
 LED BXRA ES Rectangle  
 Color White  
 Diameter 70 mm  
 Height 44.7 mm  
 Style Round  
 Optic Material HRPC  
 Holder Material -  
 Fastening ["glue"]  
 Status Production ready

FWHM 75 degrees  
 Efficiency 93 %  
 cd/lm 0.550  
 Gerber File Available

Not compatible if PCB board fastened with screws.  
 Compatible if PCB board fastened with glue.



## PRODUCT DATASHEET

### Barbara series

last update 30/12/2016

**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

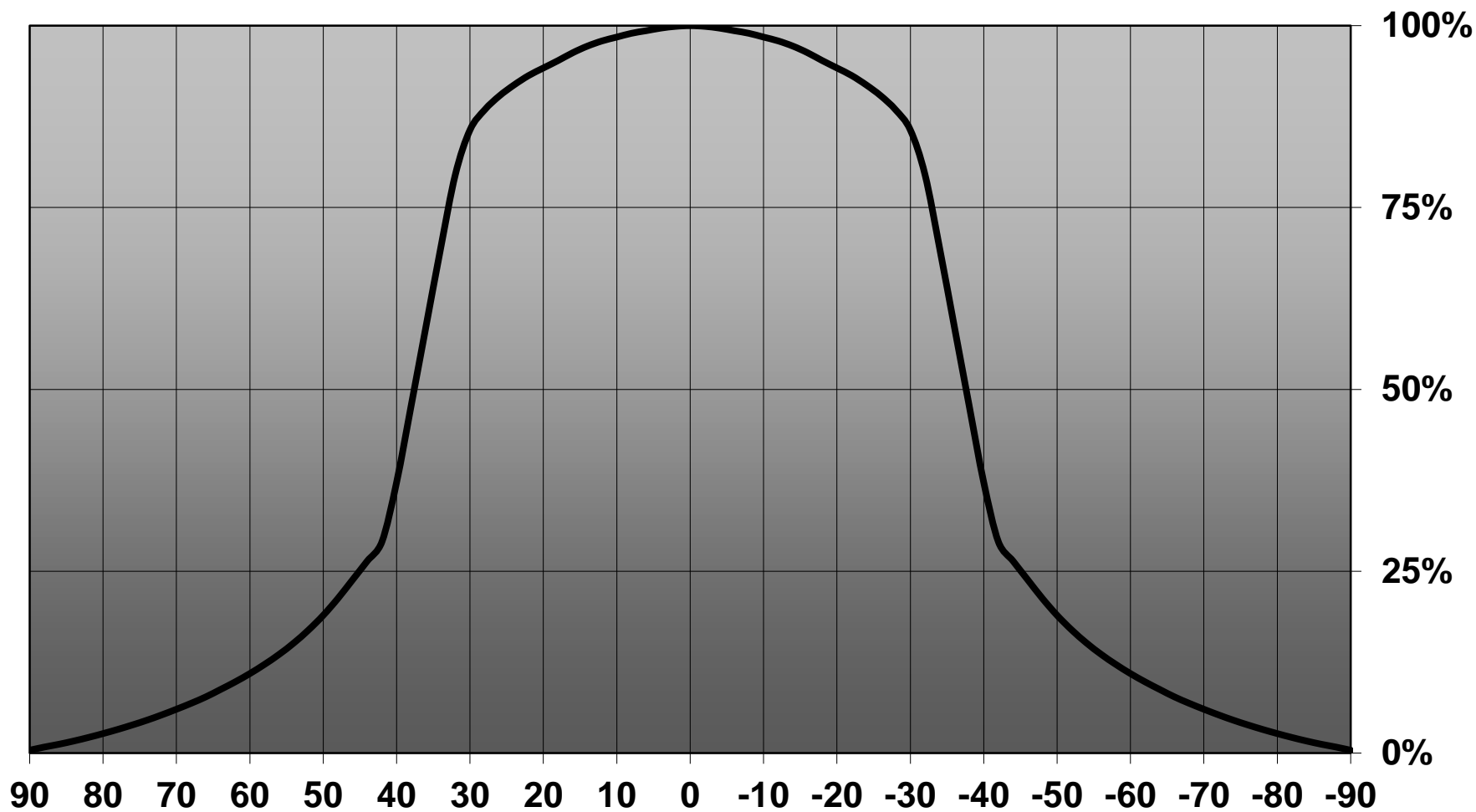
### Barbara series

last update 30/12/2016

#### GENERAL INFORMATION

- Product series especially designed & optimized for BXRA ES Rectangle 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).

Relative intensity of C12955\_BARBARA-XW\_(BXRA\_ES)

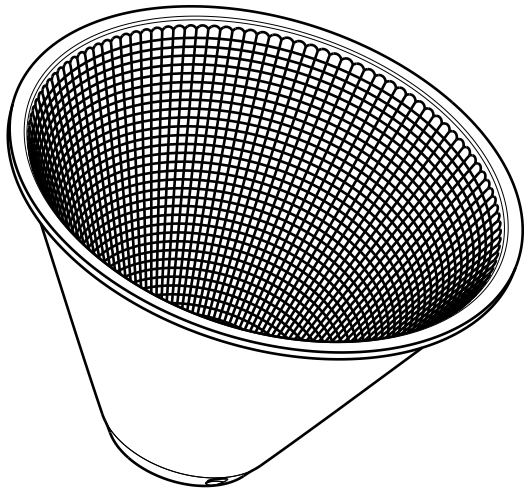


D

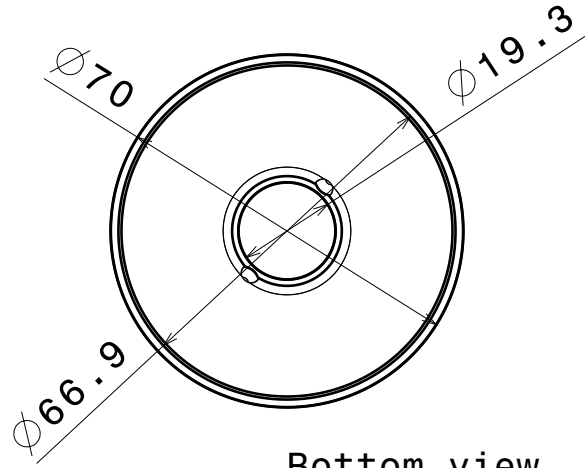
C

B

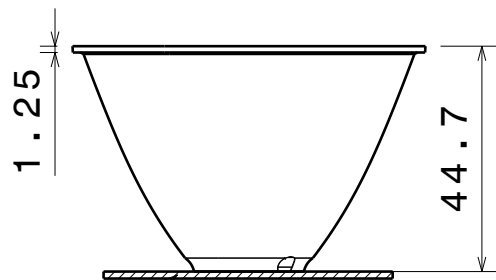
A



Isometric view

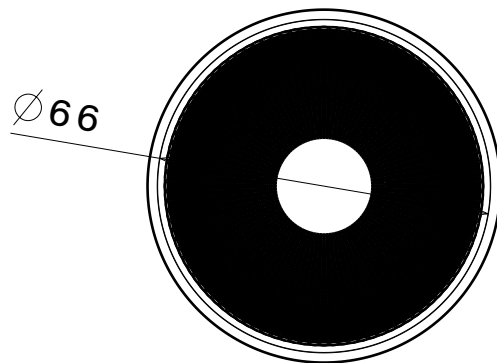


Bottom view



LED PCB

Front view



Top view

Material: PC with Metal coating and clear lacquer

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It can't be reproduced  
or communicated without  
our written agreement.



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

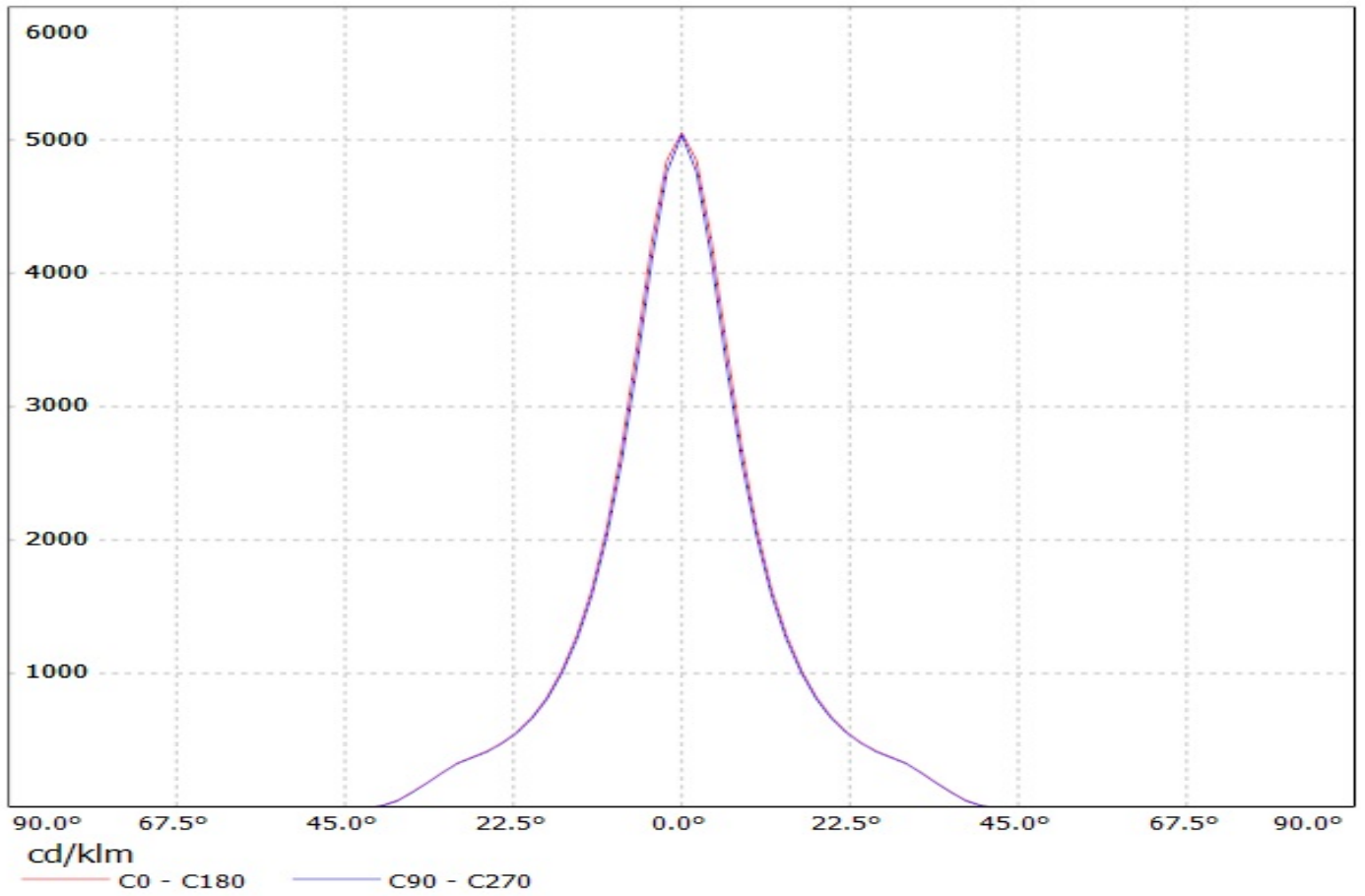
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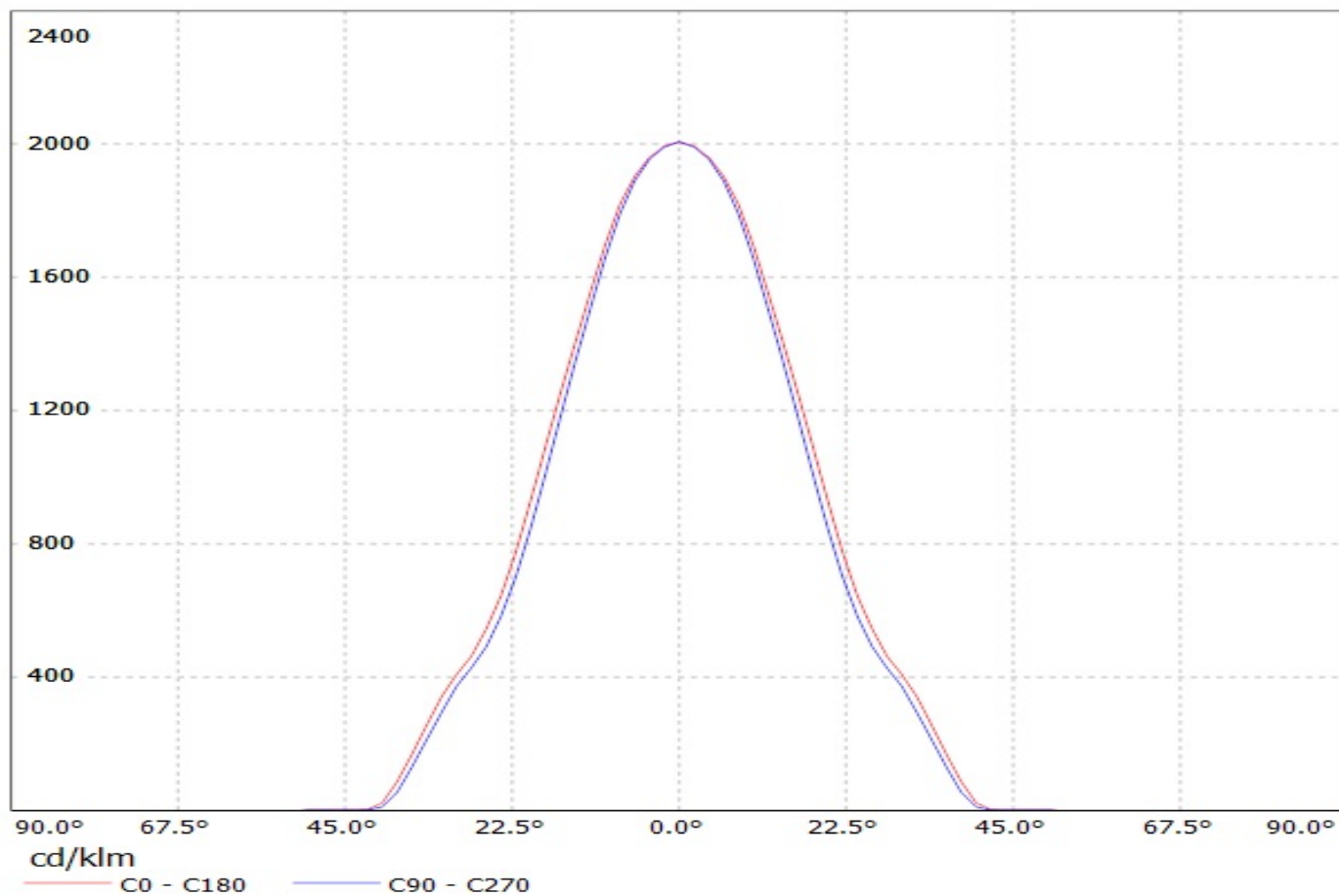
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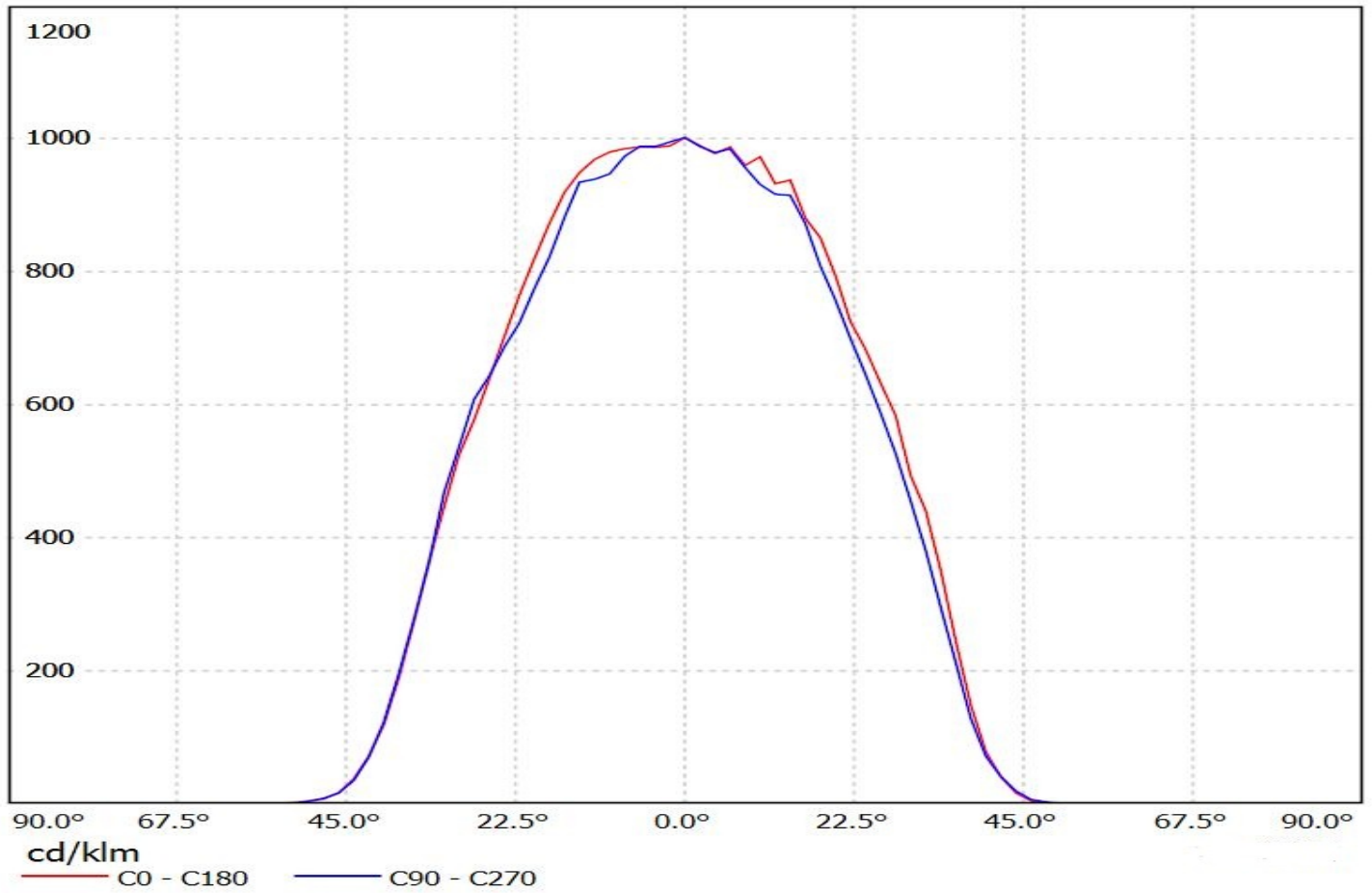
Luminaire: Ledil Oy C11552\_Barbara-S C11552\_Barbara-S  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh



Luminaire: Ledil Oy C11553\_Barbara-W C11553\_Barbara-W  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh)

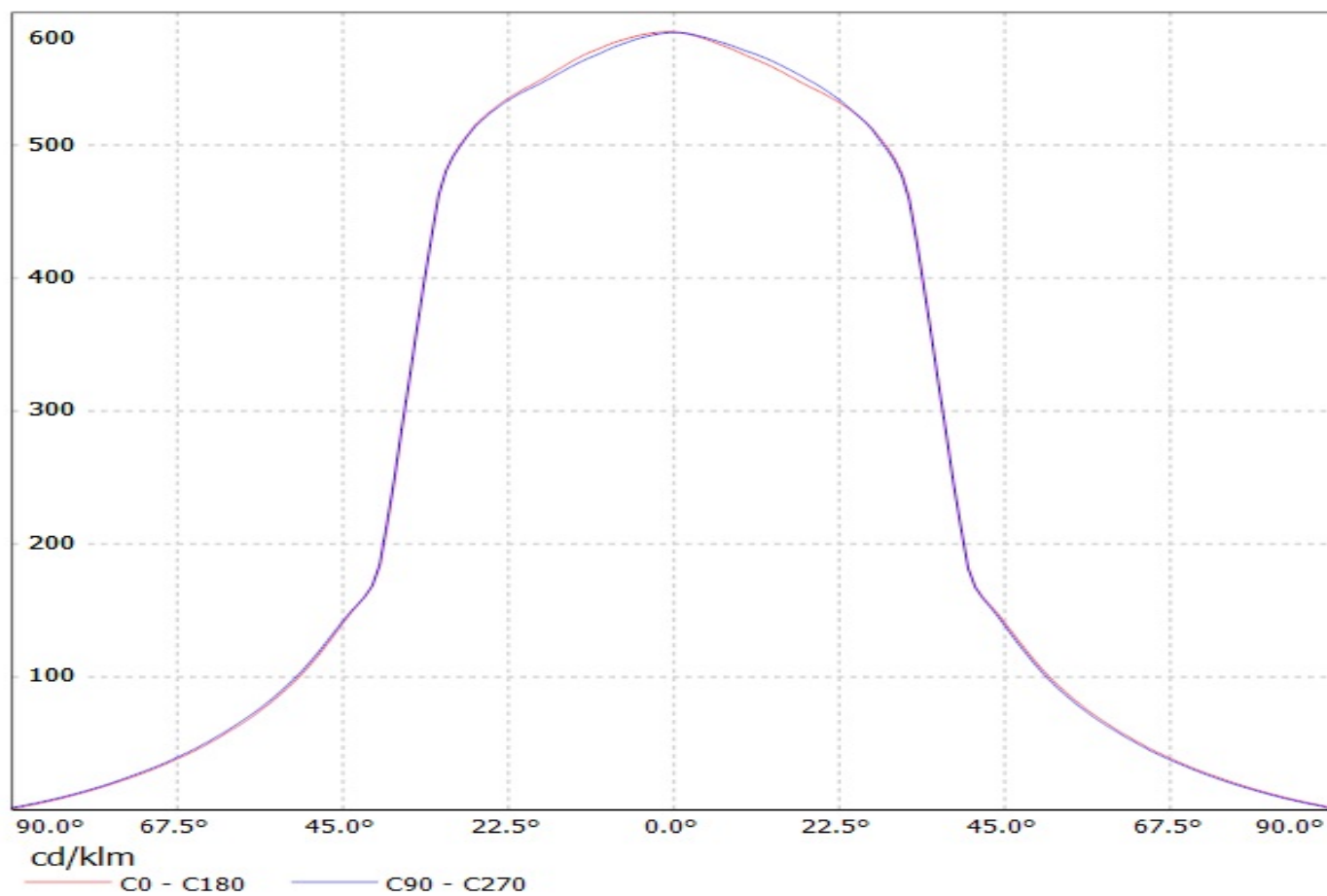


Luminaire: Ledil Oy C13032-Barbara-WW (Bridgelux BXRA-NO802) Efficiency=89%  
Lamps: 1 x Bridgelux BXRA-NO802 237lm @ 250mA

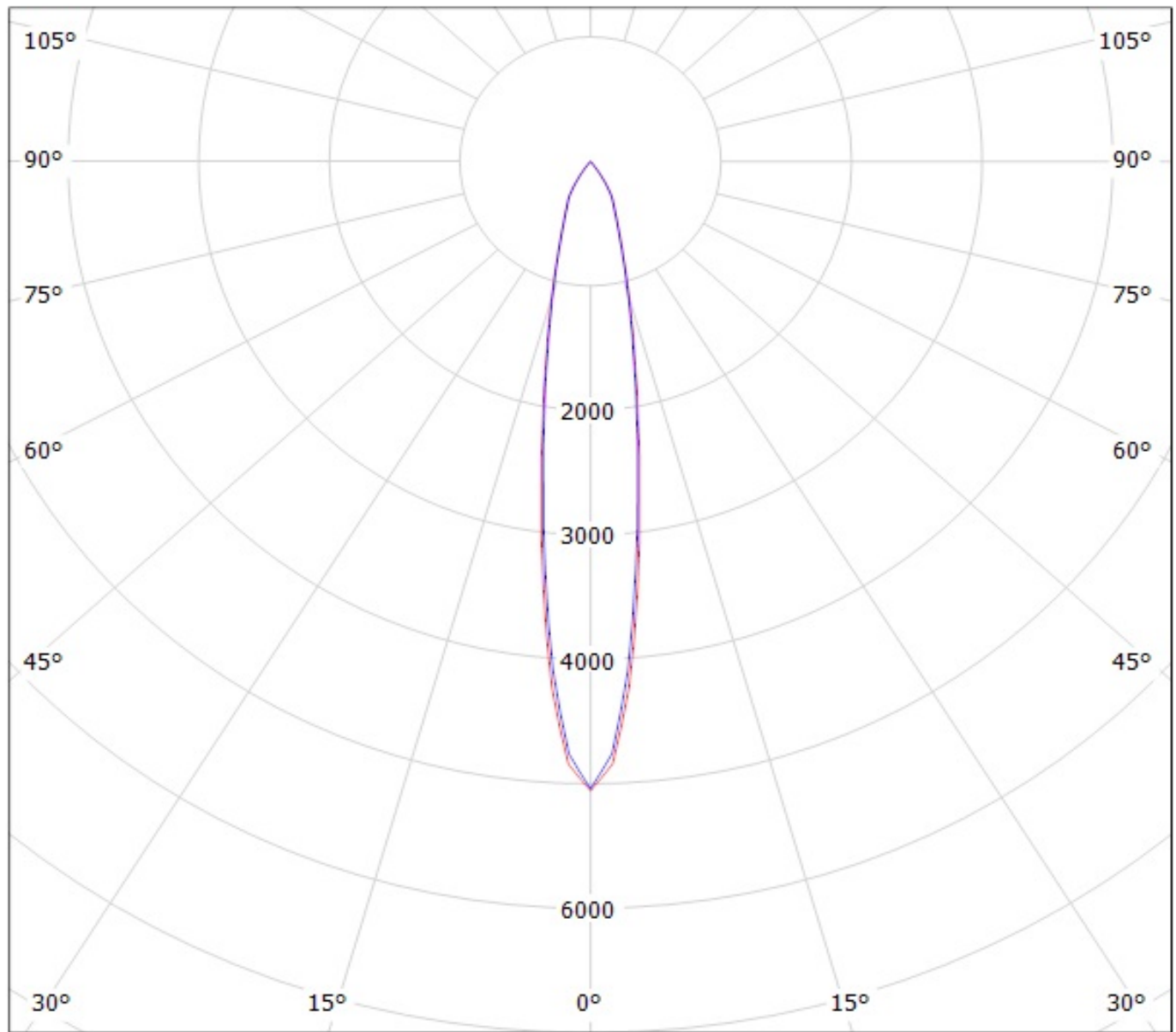




Luminaire: LEDiL Oy C12955\_BARBARA-XW\_(BXRA-ES) Eff.92.8%  
Lamps: 1 x BXRA-N0802 (222.114lm@250mA)



Luminaire: Ledil Oy C11552\_Barbara-S C11552\_Barbara-S  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh

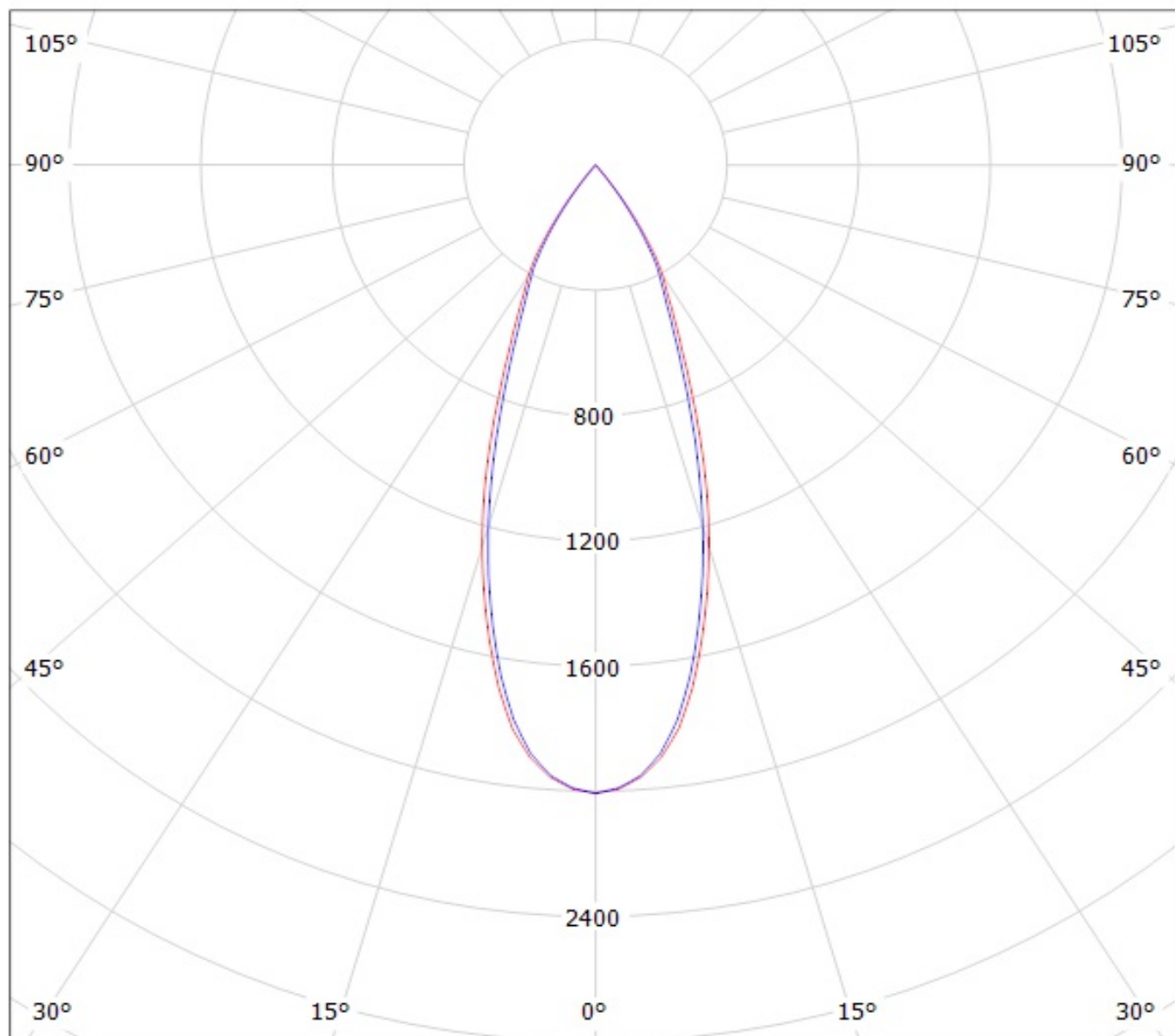


cd/klm

— C0 - C180

— C90 - C270

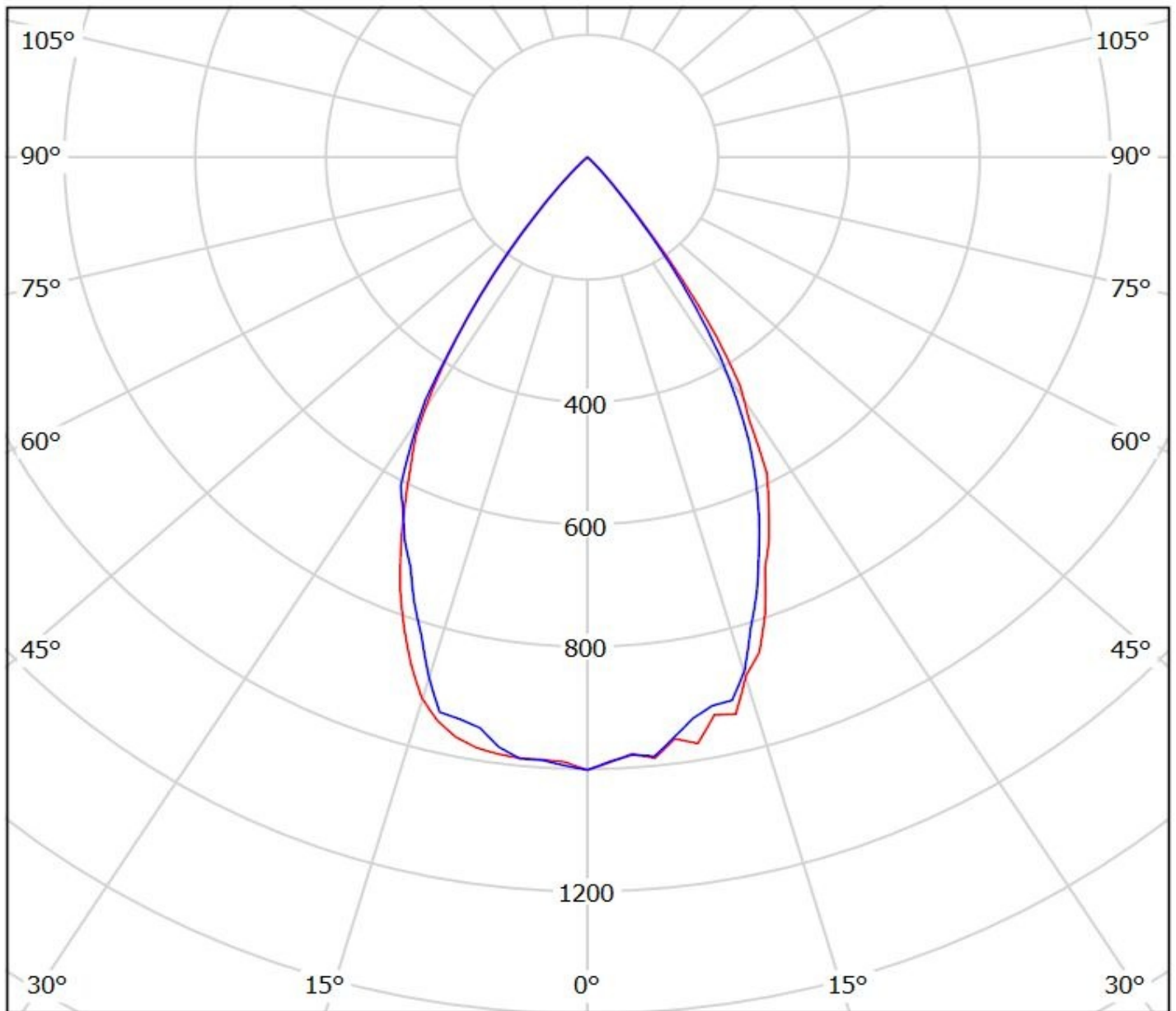
Luminaire: Ledil Oy C11553\_Barbara-W C11553\_Barbara-W  
Lamps: 1 x Bridgelux BXRA-C2002 (Wh



cd/klm

— C0 - C180 — C90 - C270

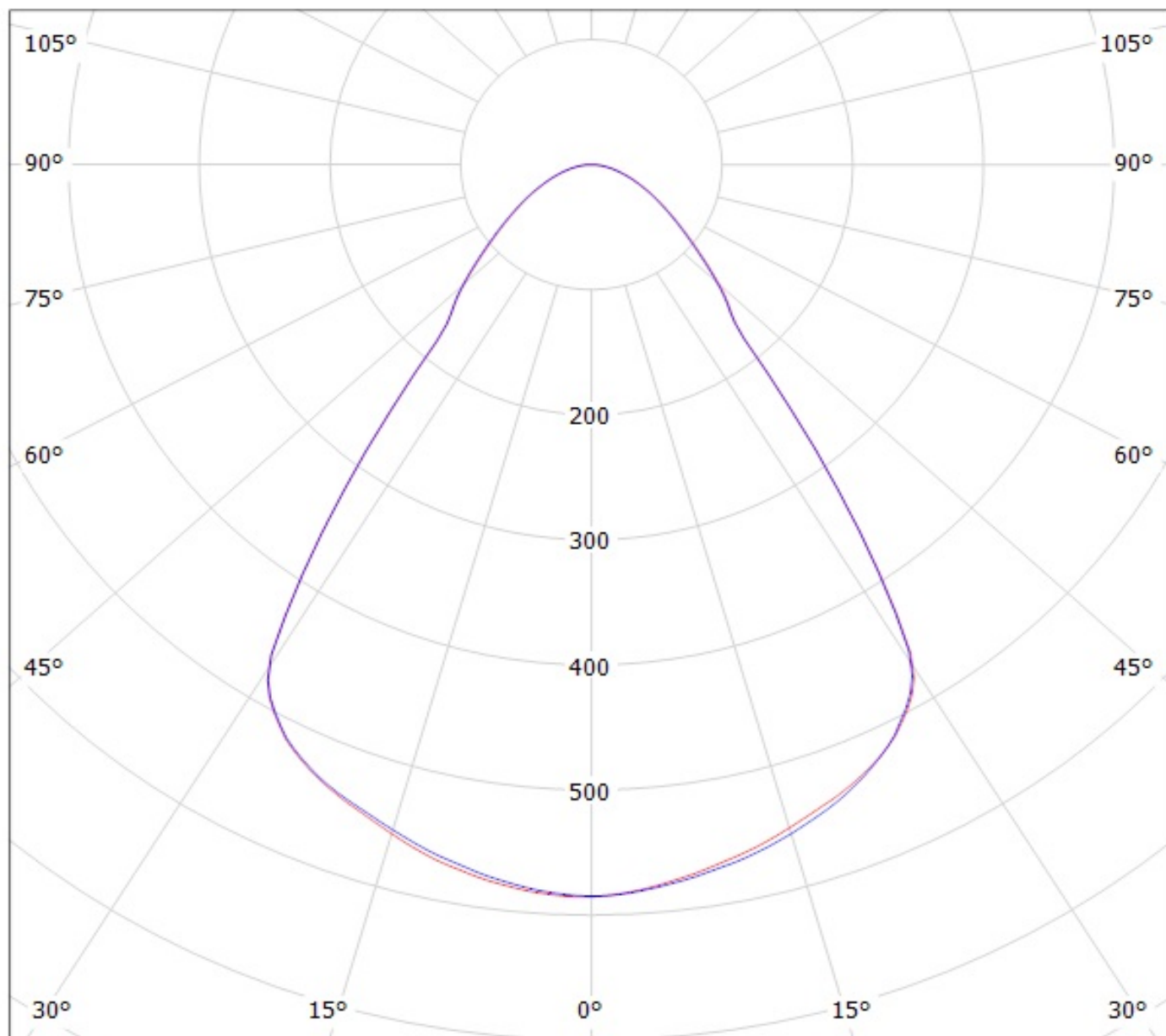
Luminaire: Ledil Oy C13032-Barbara-WW (Bridgelux BXRA-NO802) Efficiency=89%  
Lamps: 1 x Bridgelux BXRA-NO802 237lm @ 250mA



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