



# PRODUCT DATASHEET

## Lenina series

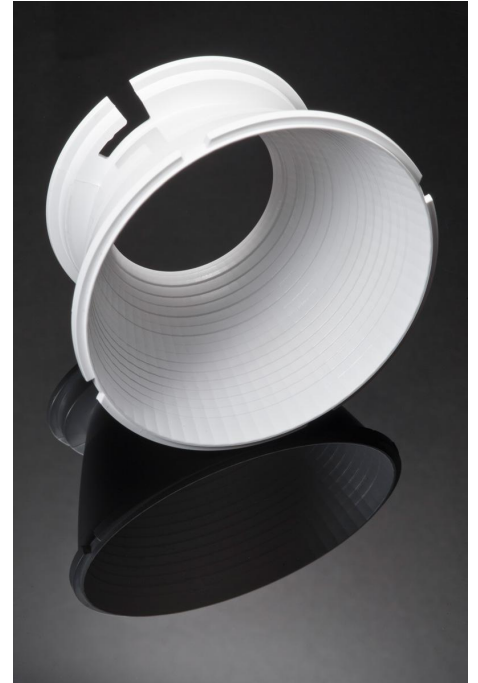
last update 31/10/2016

### DETAILS

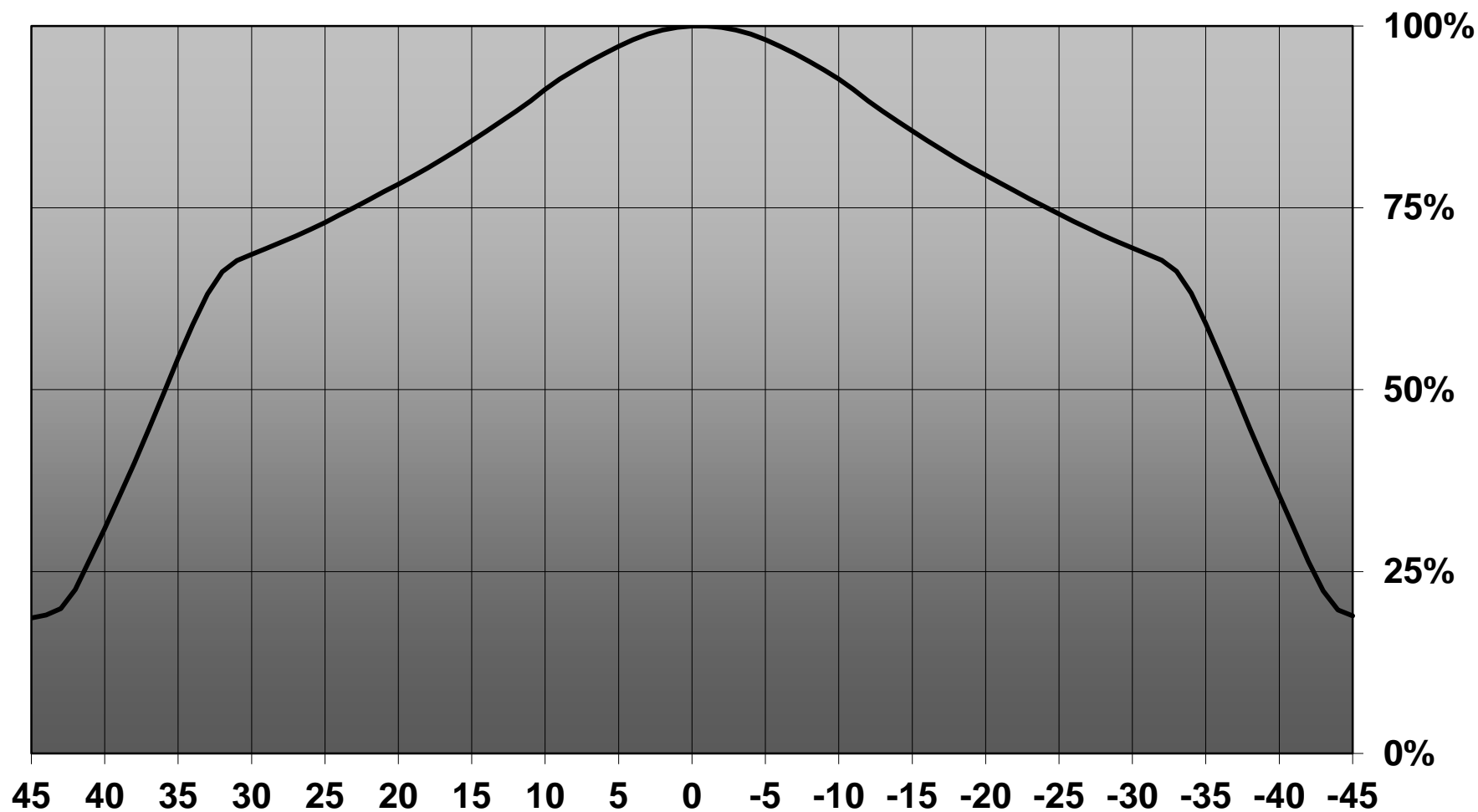
|                        |                   |
|------------------------|-------------------|
| <b>Product Number</b>  | CN12962_LENINA-XW |
| <b>Family</b>          | Lenina            |
| <b>Type</b>            | RefPack           |
| <b>Color</b>           | white             |
| <b>Diameter</b>        | 74 mm             |
| <b>Height</b>          | 45,6 mm           |
| <b>Style</b>           | round             |
| <b>Optic Material</b>  |                   |
| <b>Holder Material</b> |                   |
| <b>Fastening</b>       | socket            |
| <b>Status</b>          | production ready  |
| <b>ROHS Compliant</b>  | Yes               |
| <b>Date Updated</b>    | 31/10/2016        |

### OPTICAL PROPERTIES

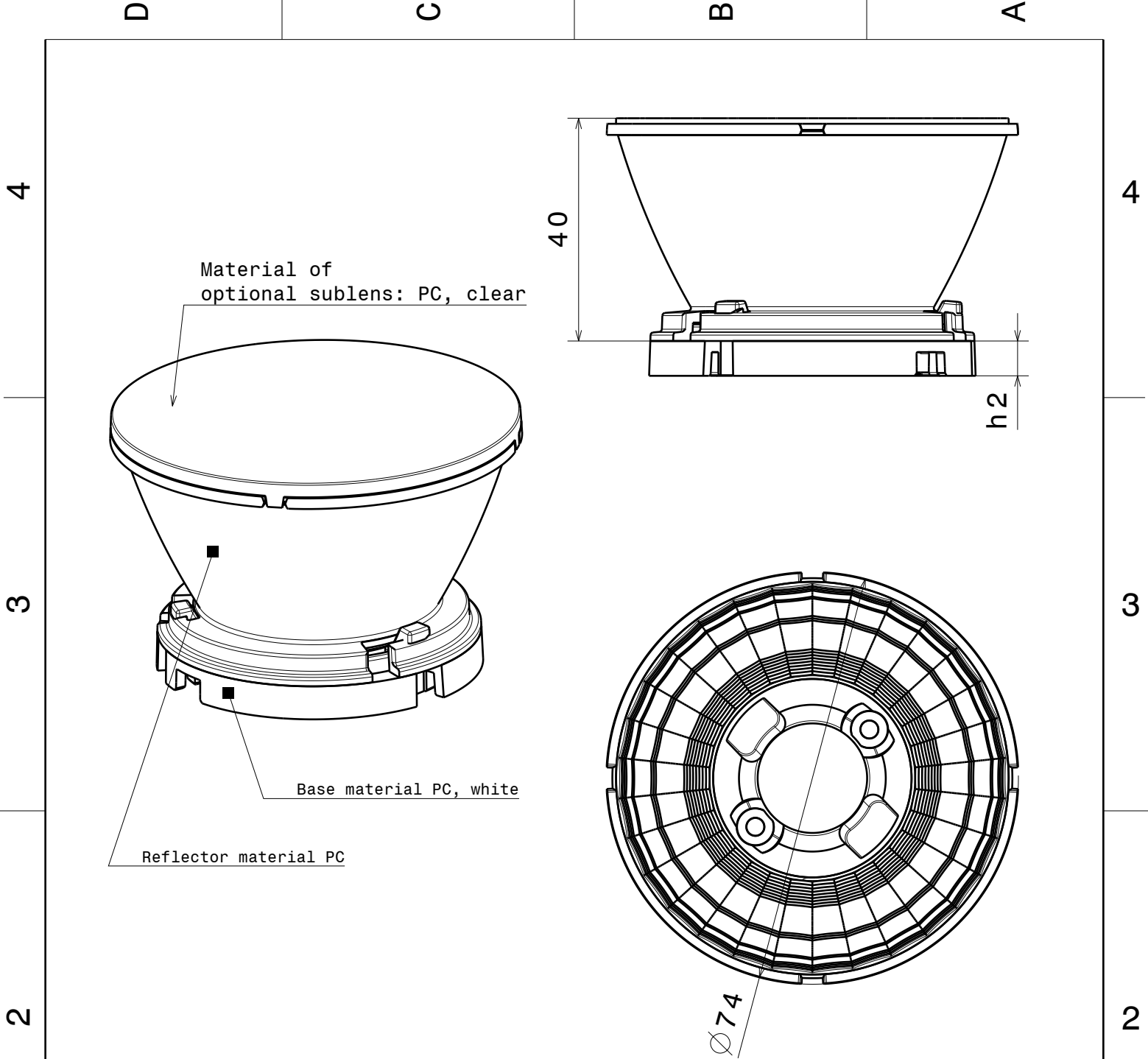
| LED                    | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|------------------------|---------------|------------|------------|-------|-----------|
| LUXEON CoB 1204/1205   | 73 deg        | WWW-class  | 90 %       | 0.600 | -         |
| LUXEON CoB 1208        | 73 deg        | WWW-class  | 91 %       | 0.600 | -         |
| COB J-Type             | 73 deg        | WWW-class  | 89 %       | 0.620 | -         |
| Mega Zenigata (GW5DGC) | 73 deg        | WWW-class  | 90 %       | 0.630 | -         |
| Mega Zenigata (GW6DME) | 73 deg        | WWW-class  | 89 %       | 0.620 | -         |



### Absolute intensity of CN12962\_LENINA-XW




— CN12962\_LENINA-XW



**NOTE:**

Using optional sublens, add 2.1mm to the system height

Dimension 'h2' varies from 4.5mm to 7mm depending on the LED specific base part

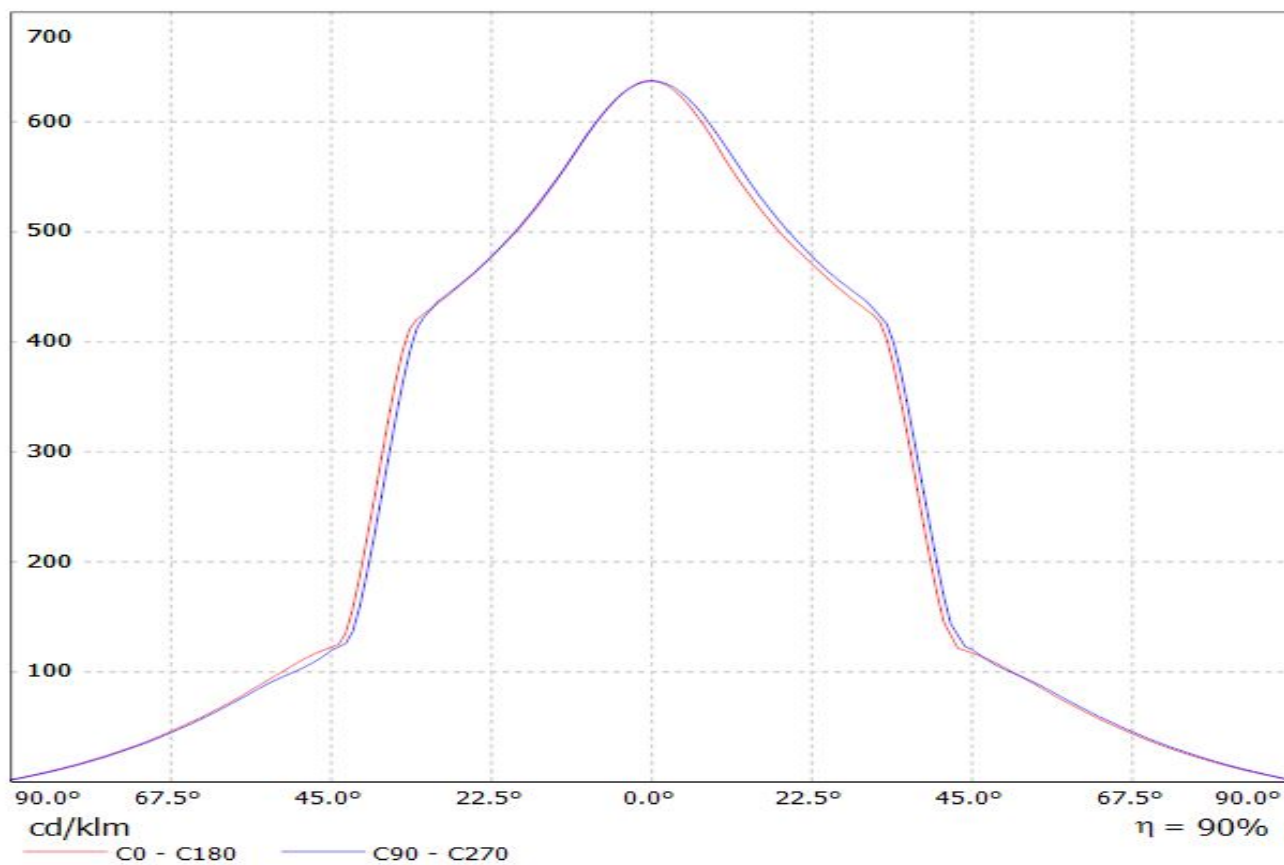
|   |  |   |  |   |  |
|---|--|---|--|---|--|
| This drawing is our property. It can't be reproduced or communicated without our written agreement. |  |  |  | Ledil Oy<br>Salorankatu 10<br>FIN-24240 SALO<br>Finland |  |
|   |  | DRAWING TITLE   |  |   |  |
| DRAWN BY<br>ks  |  | DATE<br>23.04.2014  |  | Datasheet Lenina series                                 |  |
| CHECKED BY  |  | DATE  |  | SIZE A4   |  |
| DESIGNED BY<br>pl   |  | DATE<br>08.03.2012  |  | DRAWING NUMBER --                                       |  |
|   |  | SCALE 1:1   |  | WEIGHT (g)  |  |
|   |  |   |  | REV 1   |  |
|   |  |   |  | SHEET 1/1   |  |

1

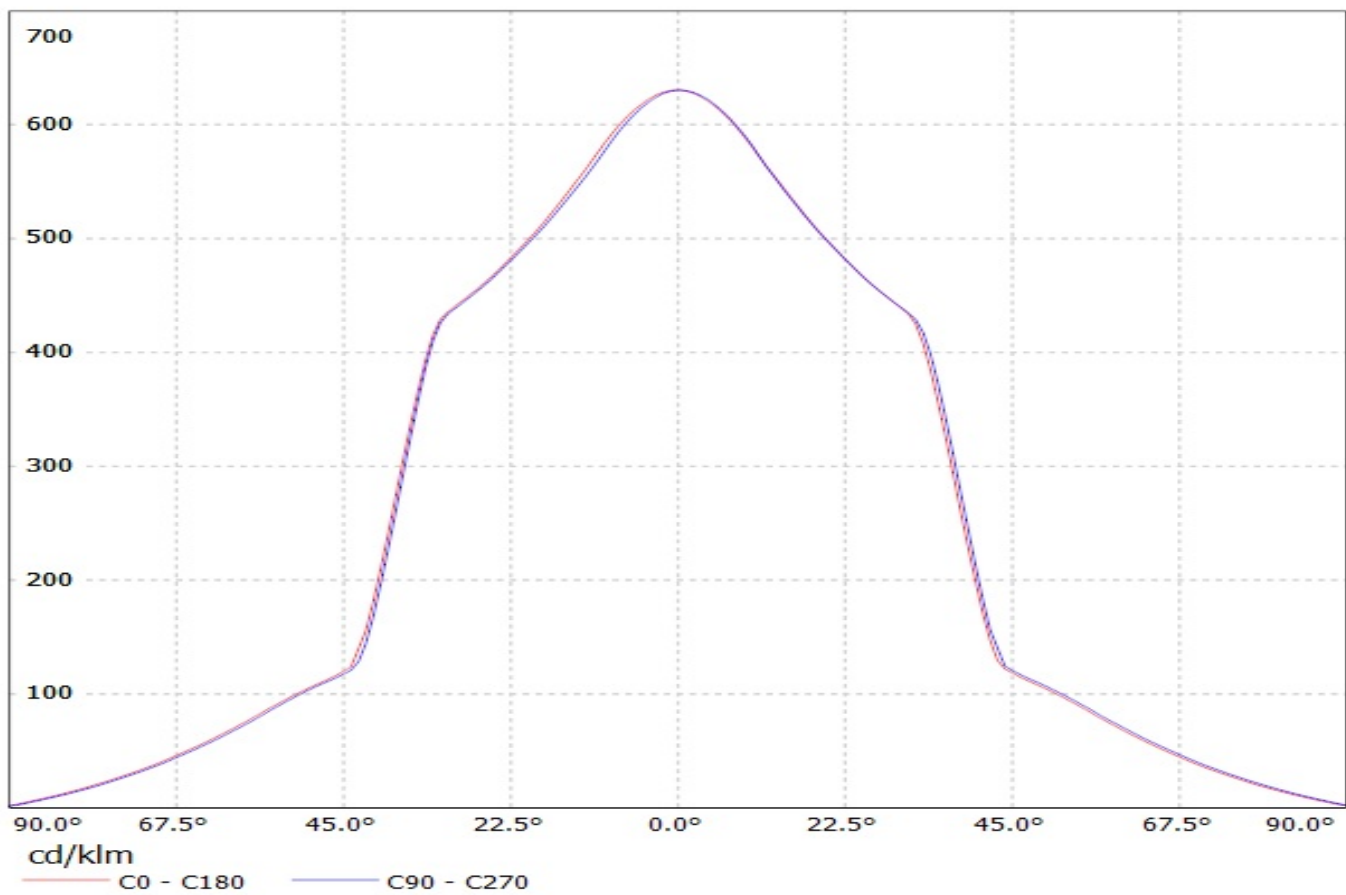
1

D A

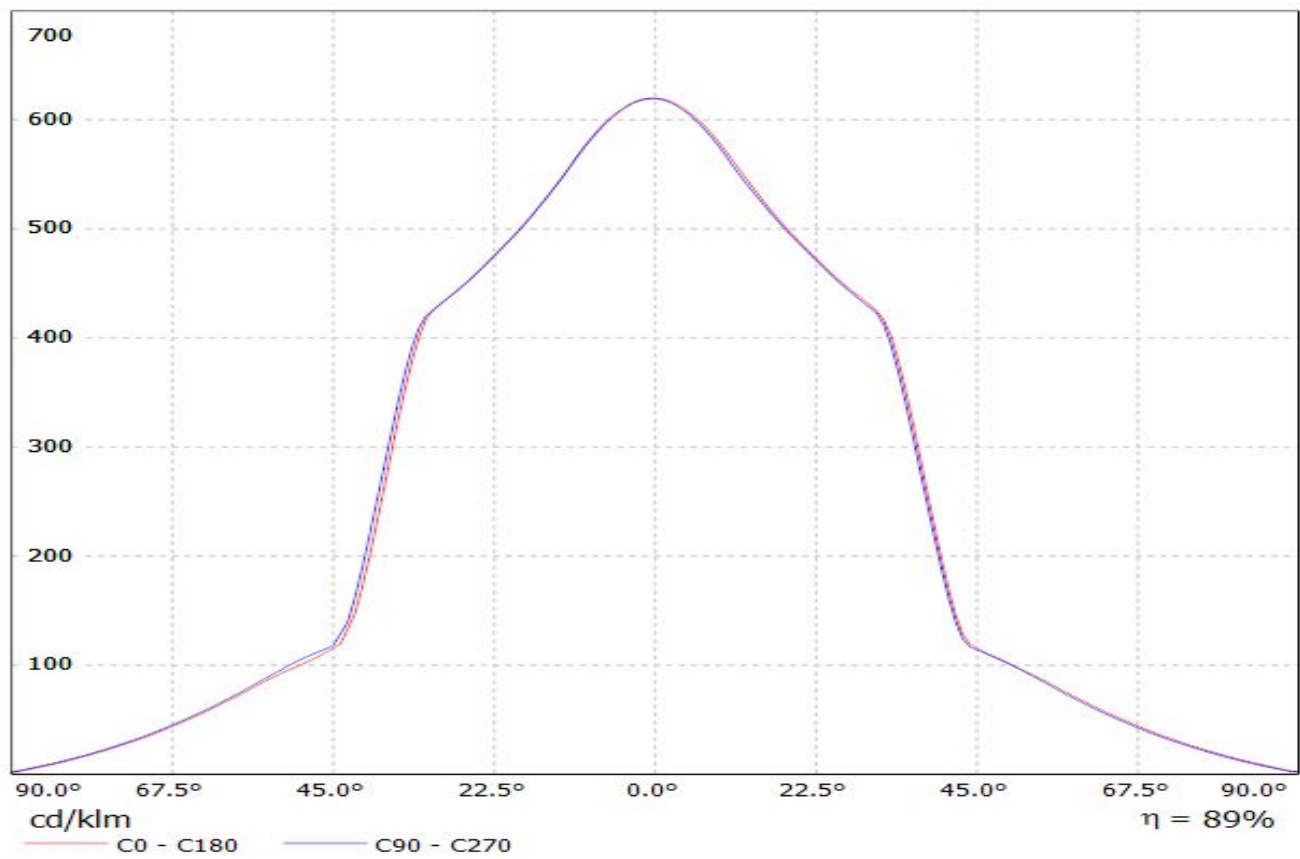
Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Luxeon\_CoB\_1205) Eff: 90 %  
Lamps: 1 x LUXEON CoB 1205 (LHC1-3080-1205) 1106lm@250mA CCT=3000K P=8.3W I=250mA



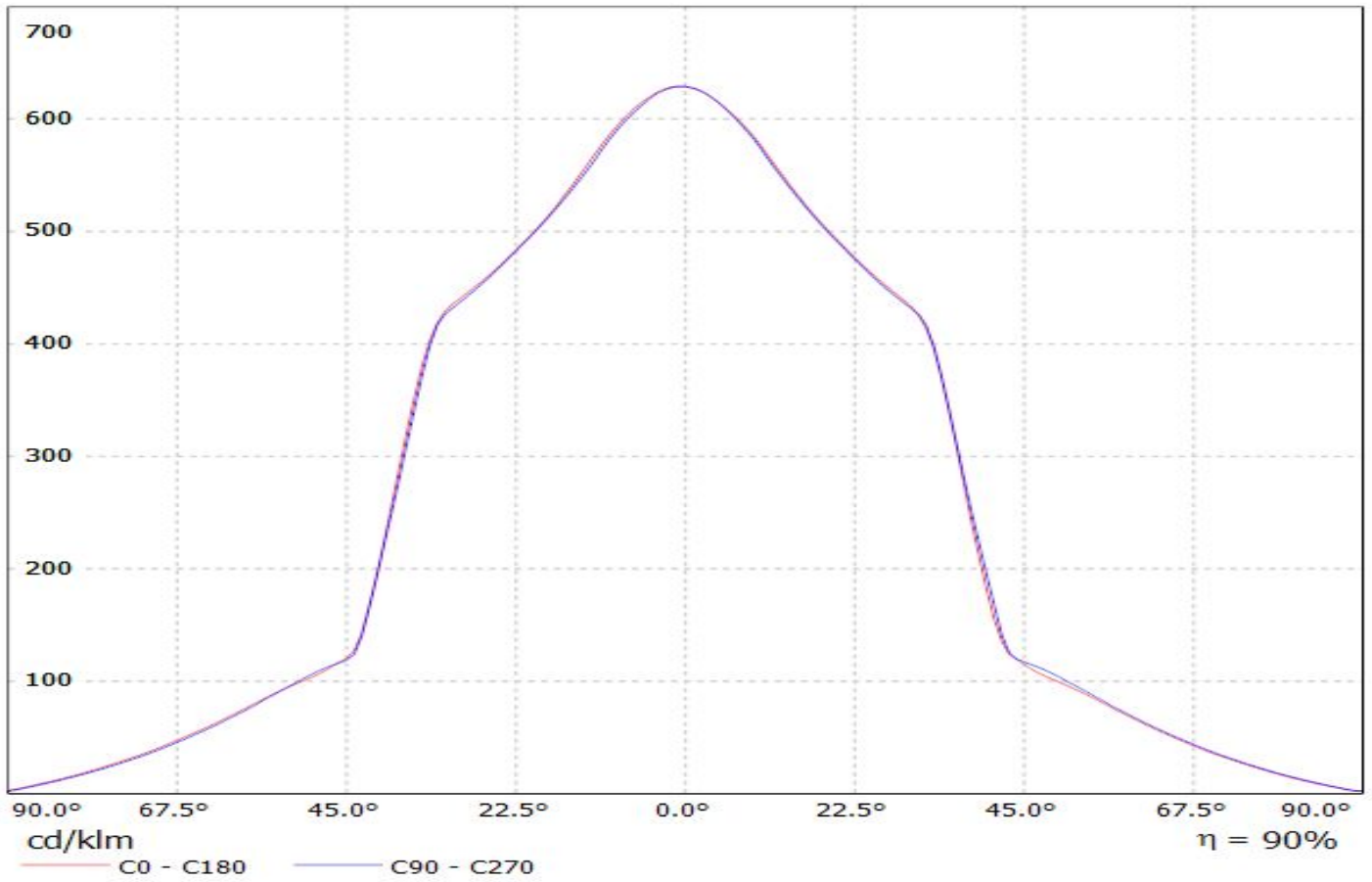
Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Luxeon\_CoB\_1208) Eff: 91 %  
Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1065lm@250mA CCT=3000K P=8.3W I=250mA



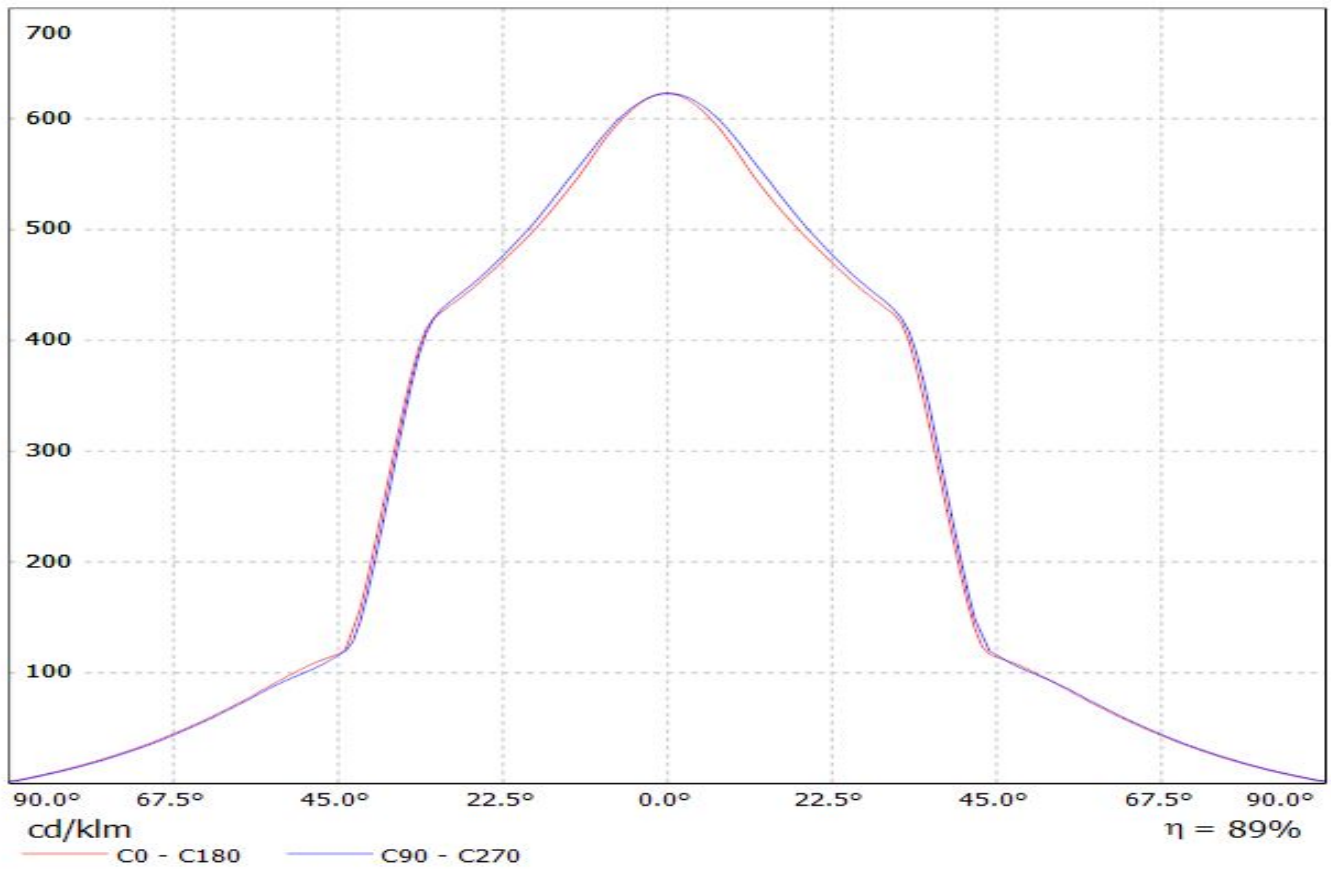
Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(NSCxB216A) Eff.88.7%  
Lamps: 1 x NICHIA\_NSCxB216A\_(NSCLJ216AE)\_1073.33lm@250mA CCT=3000K P=8.11575W I=249.9mA



Luminaire: LEDIL OY CN12962\_LENINA-XW Eff.90.1%  
Lamps: 1 x MegaZen (884.6lm@250mA)

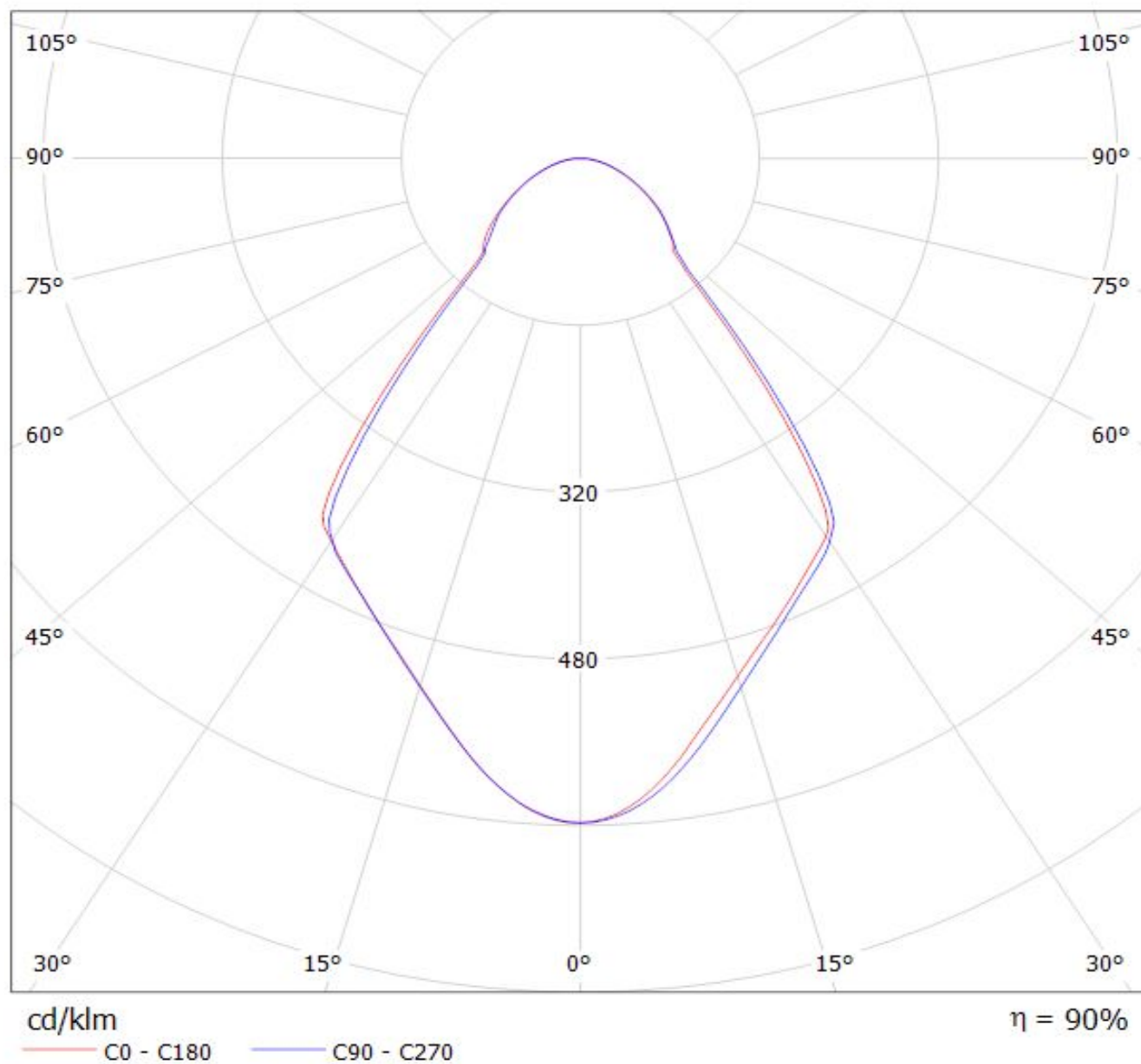


Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Megazenigata\_GW6D) Eff.89.1%  
Lamps: 1 x SHARP\_Megazenigata\_(GW6DMC40NFC)\_1087.39lm@250mA\_P=8.48721W\_I=249.8mA

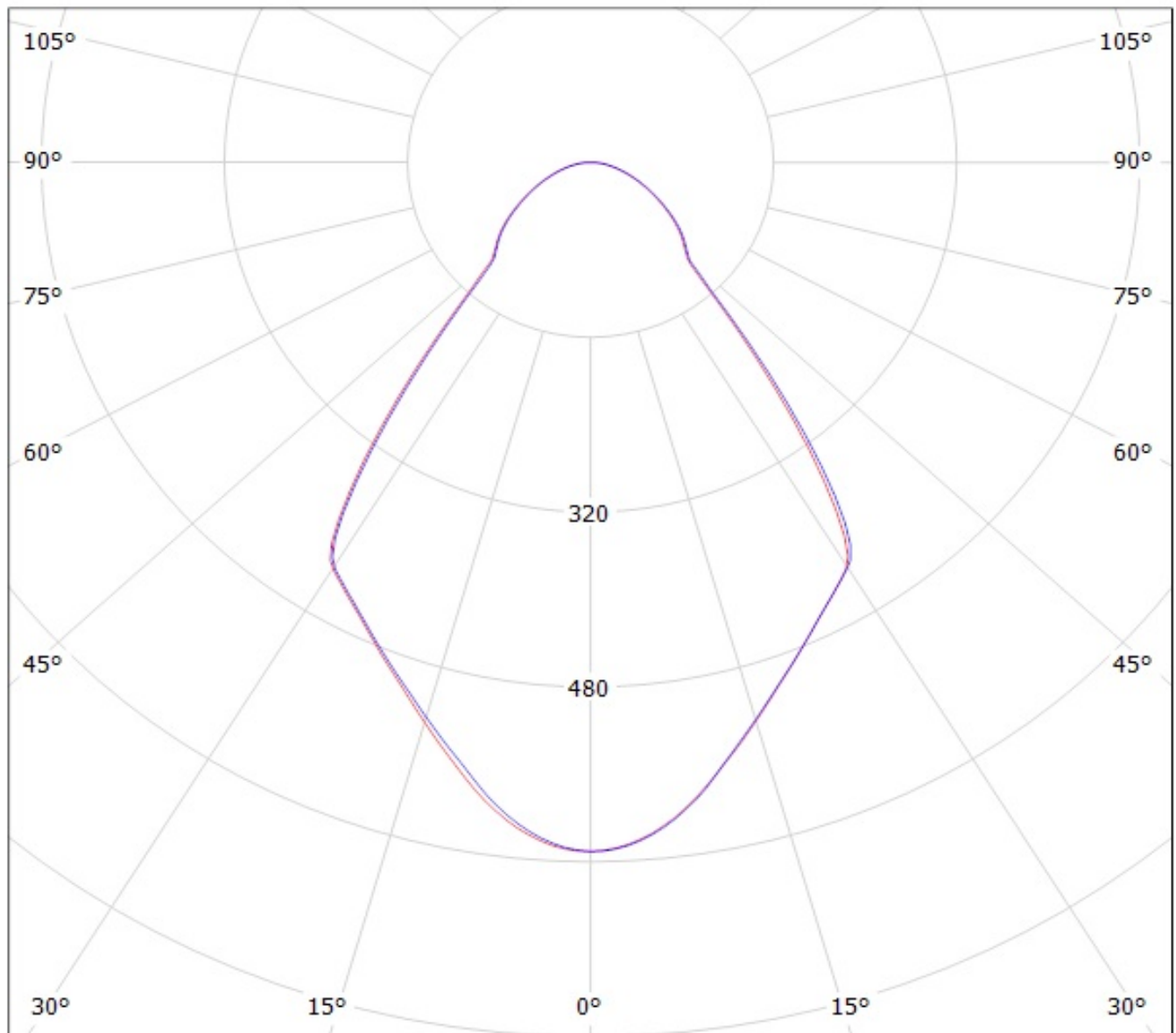




Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Luxeon\_CoB\_1205) Eff. 90 %  
Lamps: 1 x LUXEON CoB 1205 (LHC1-3080-1205) 1106lm@250mA CCT=3000K P=8.3W I=250mA



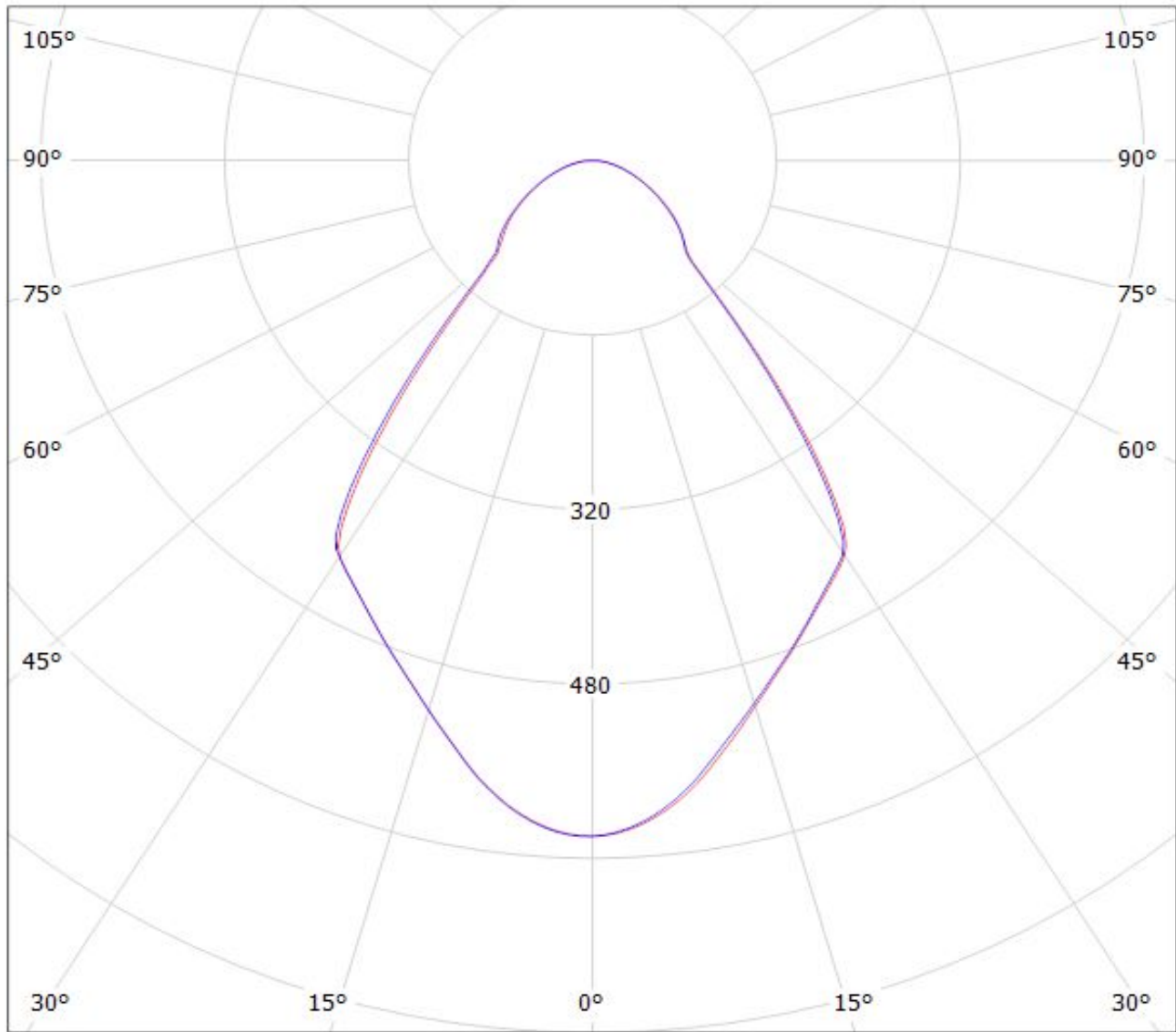
Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Luxeon\_CoB\_1208) Eff: 91 %  
Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1065lm@250mA CCT=3000K P=8.3W I=250mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(NSCxJ216A) Eff.88.7%

Lamps: 1 x NICHIA\_NSCxJ216A\_(NSCLJ216AE)\_1073.33lm@250mA CCT=3000K P=8.11575W I=249.9mA



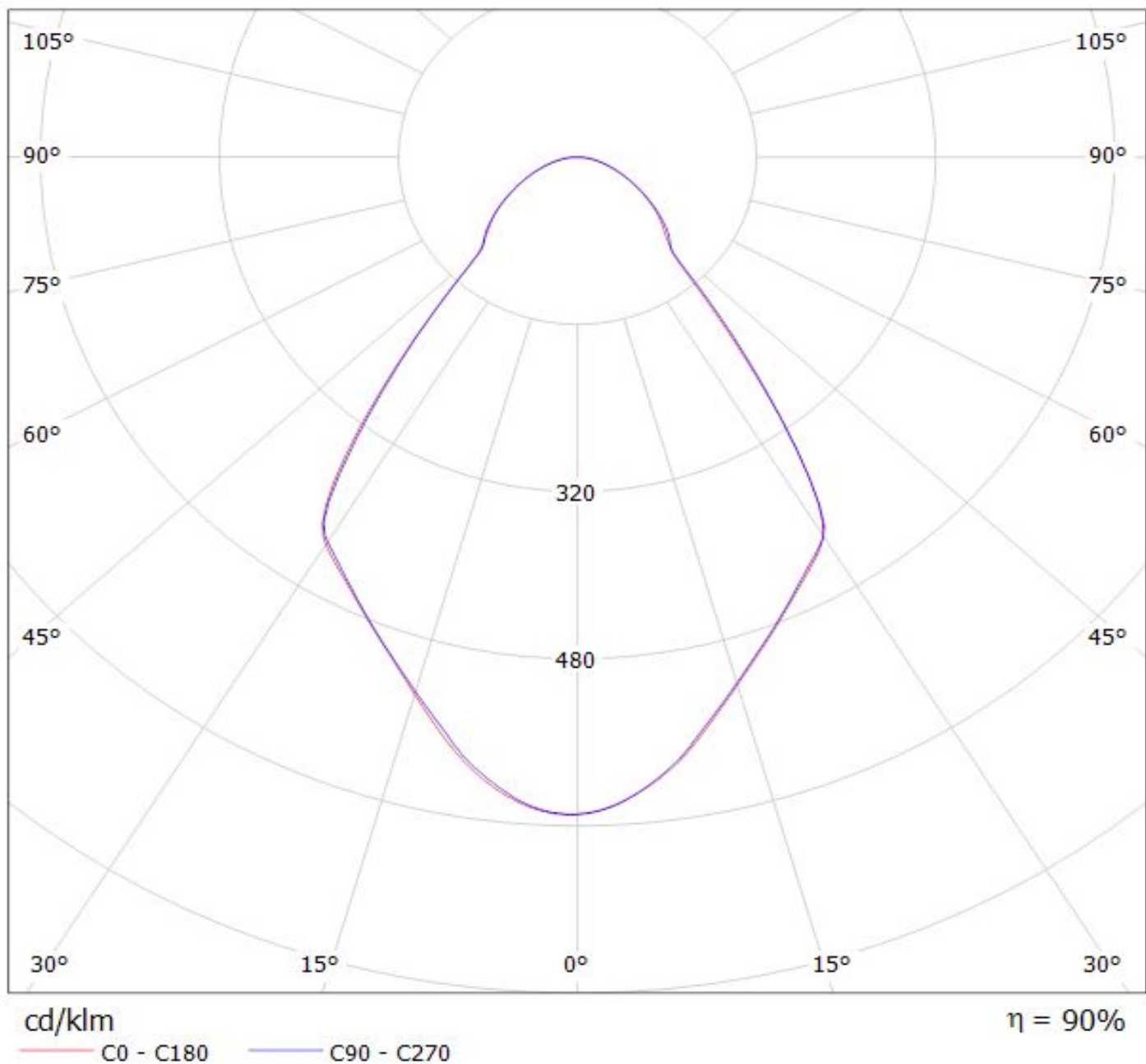
cd/klm

— C0 - C180

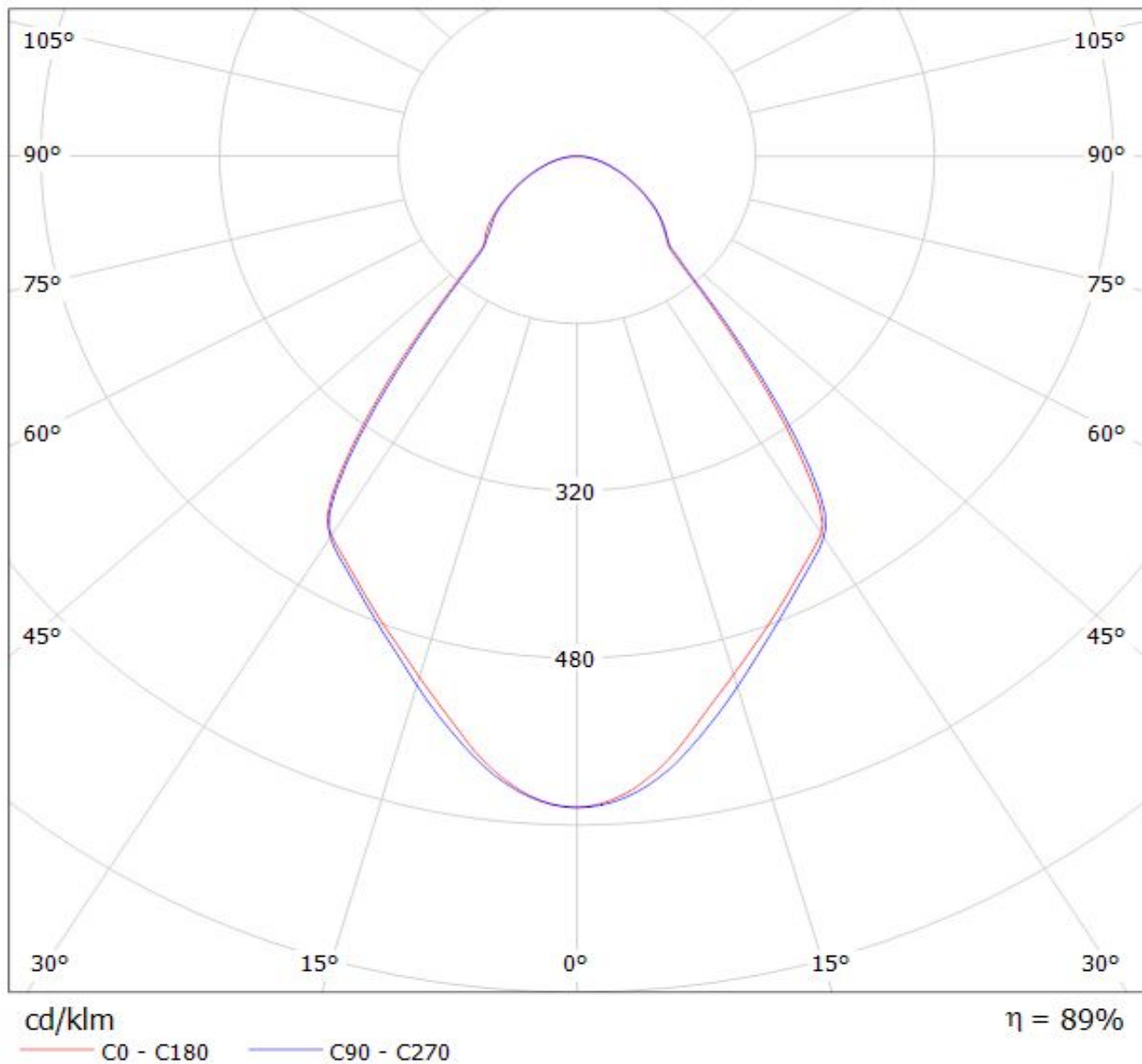
— C90 - C270

η = 89%

Luminaire: LEDIL OY CN12962\_LENINA-XW Eff.90.1%  
Lamps: 1 x MegaZen (884.6lm@250mA)



Luminaire: LEDiL Oy CN12962\_LENINA-XW\_(Megazenigata\_GW6D) Eff.89.1%  
Lamps: 1 x SHARP\_Megazenigata\_(GW6DMC40NFC)\_1087.39lm@250mA\_P=8.48721W\_η=249.8mA



**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.

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.