

**Ordering number** CN12296\_LENA-S-DL

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Lena            | FWHM        | 14 degrees |
| Type            | Pack            | Efficiency  | 78 %       |
| LED             | LUXEON CoB 1208 | cd/Im       | 6.000      |
| Color           | Metal           | Gerber File | Available  |
| Diameter        | 111 mm          |             |            |
| Height          | 85.6 mm         |             |            |
| Style           | Round           |             |            |
| Optic Material  | PC              |             |            |
| Holder Material | PC              |             |            |
| Fastening       | Screw           |             |            |
| Status          | On production   |             |            |

**Ordering number** CN12297\_LENA-M-DL

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Lena            | FWHM        | 23 degrees |
| Type            | Pack            | Efficiency  | 74 %       |
| LED             | LUXEON CoB 1208 | cd/Im       | 3.100      |
| Color           | Metal           | Gerber File | Available  |
| Diameter        | 111 mm          |             |            |
| Height          | 85.6 mm         |             |            |
| Style           | Round           |             |            |
| Optic Material  | PC              |             |            |
| Holder Material | PC              |             |            |
| Fastening       | Screw           |             |            |
| Status          | On production   |             |            |

**Ordering number** CN12298\_LENA-W-DL

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Lena            | FWHM        | 46 degrees |
| Type            | Pack            | Efficiency  | 68 %       |
| LED             | LUXEON CoB 1208 | cd/Im       | 1.100      |
| Color           | Metal           | Gerber File | Available  |
| Diameter        | 111 mm          |             |            |
| Height          | 85.6 mm         |             |            |
| Style           | Round           |             |            |
| Optic Material  | PC              |             |            |
| Holder Material | PC              |             |            |
| Fastening       | Screw           |             |            |
| Status          | On production   |             |            |

**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

### Lena series

last update 19/6/2013

PHILIPS  
LUMILEDS

#### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON CoB 1208 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](http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf)

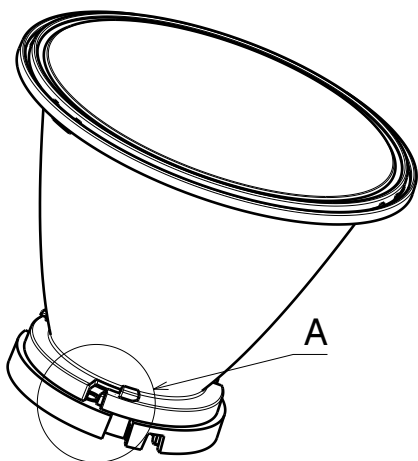
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

D

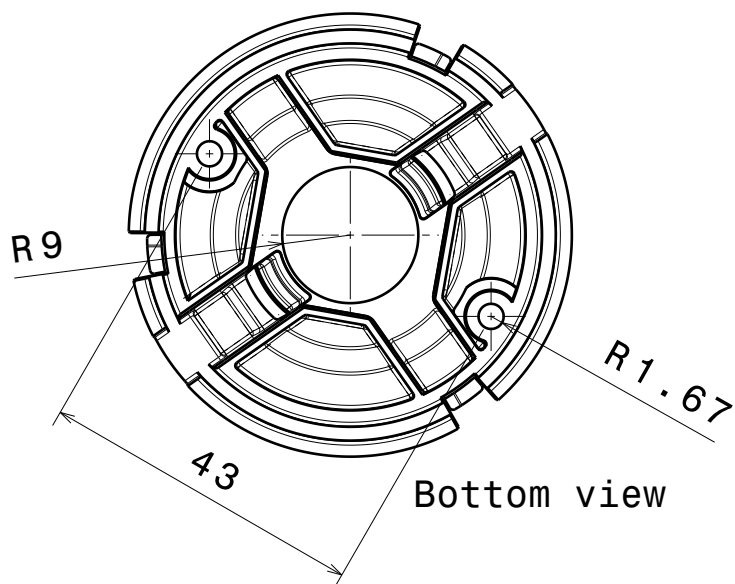
C

B

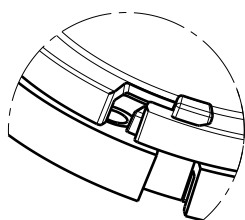
A



Isometric view



Bottom view

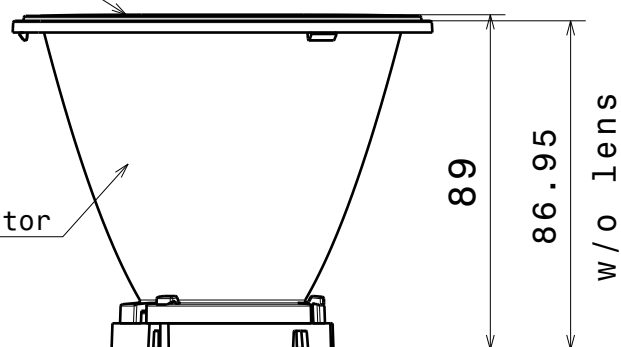


Detail A

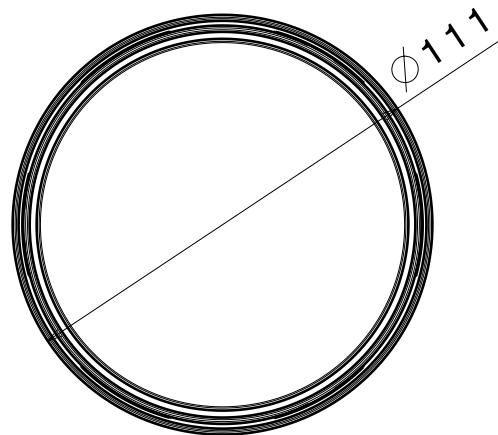
Lena lens (optional)

Lena reflector

Lena base MEZ



Front view



Top view

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Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

## DRAWING TITLE

Datasheet Lena-MEZ

DRAWN BY  
ahDATE  
14.12.2012CHECKED BY  
plDATE  
14.12.2012DESIGNED BY  
plDATE  
14.12.2012SIZE  
A4

DRAWING NUMBER

-

REV  
2

SCALE

1:2

WEIGHT (g)

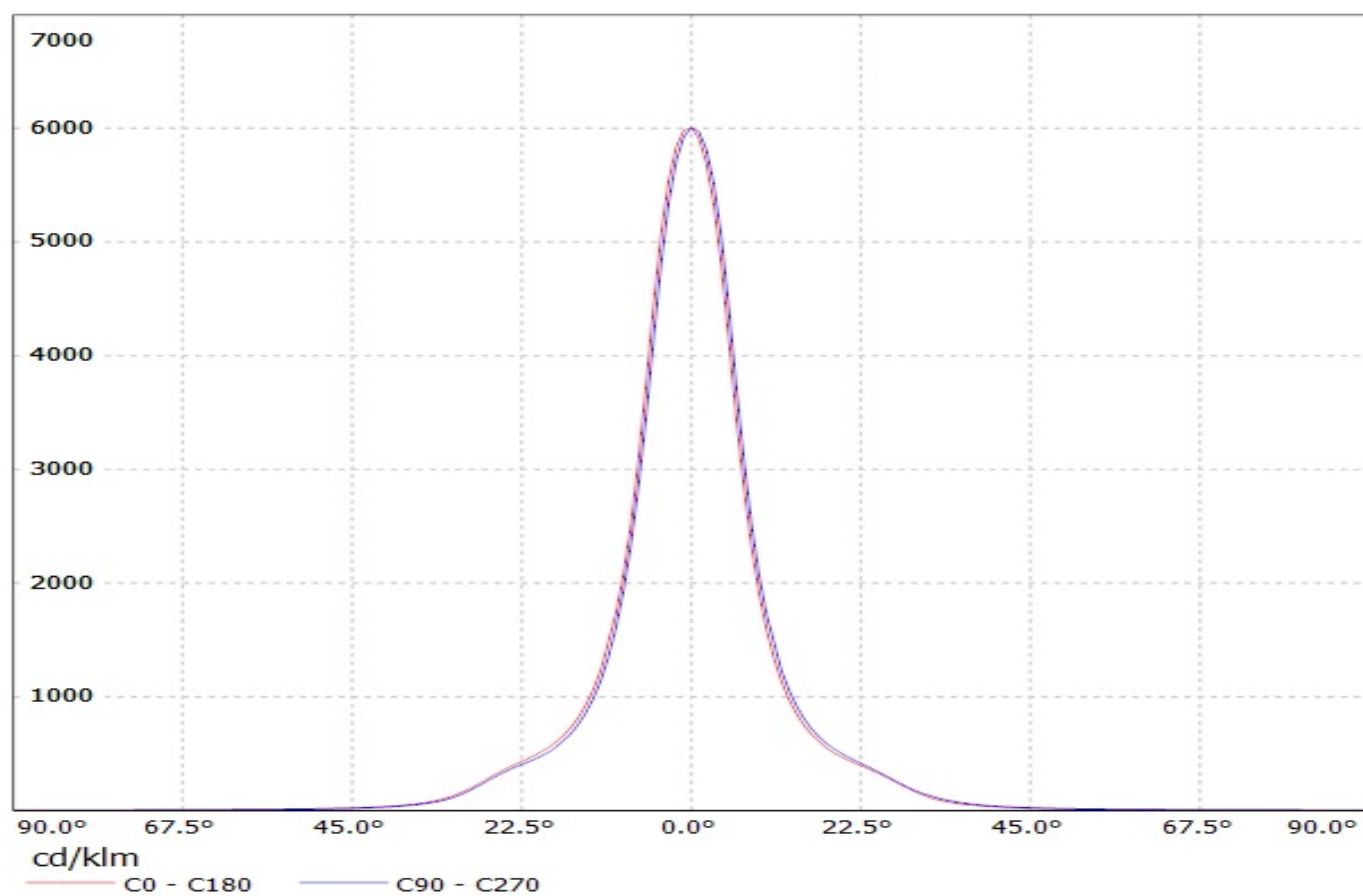
SHEET

1/1

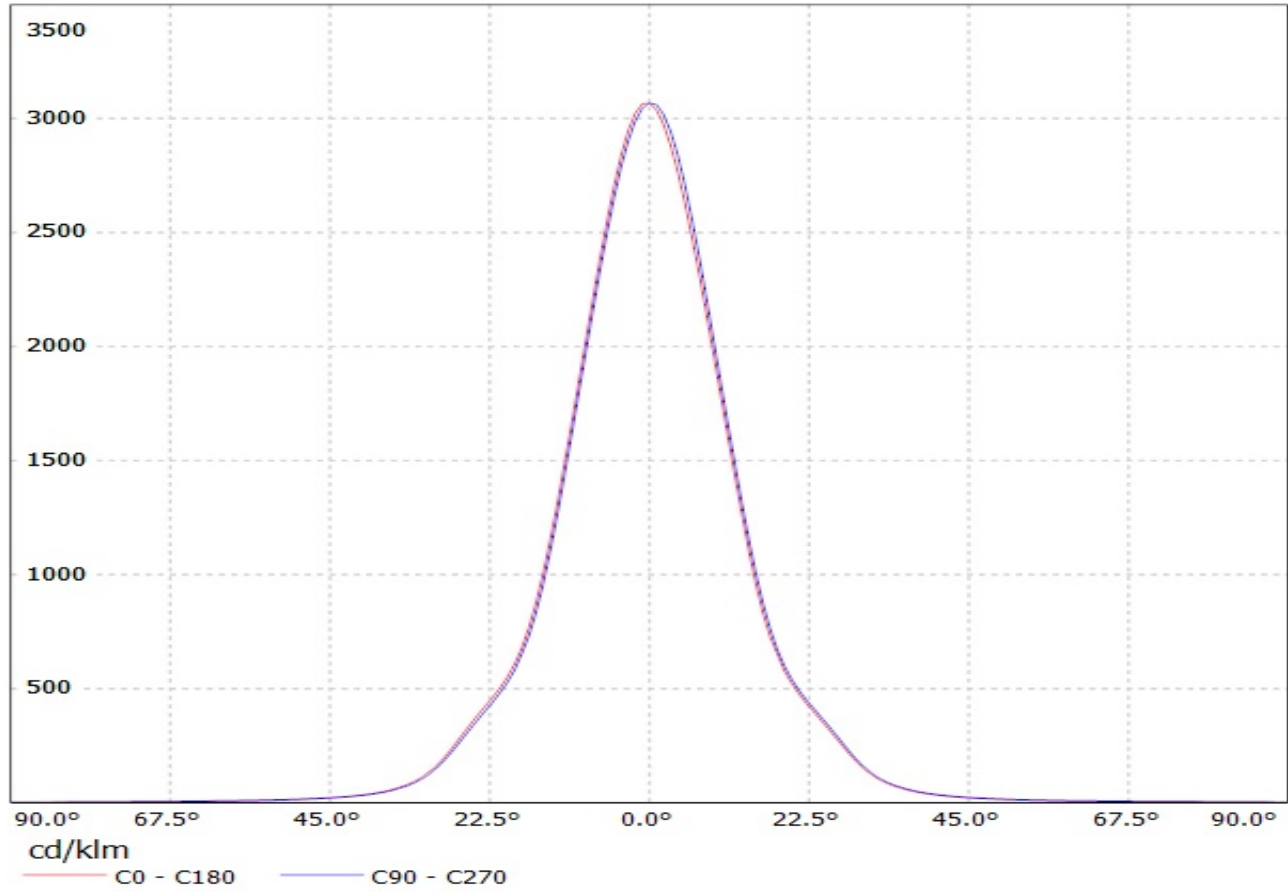
D

A

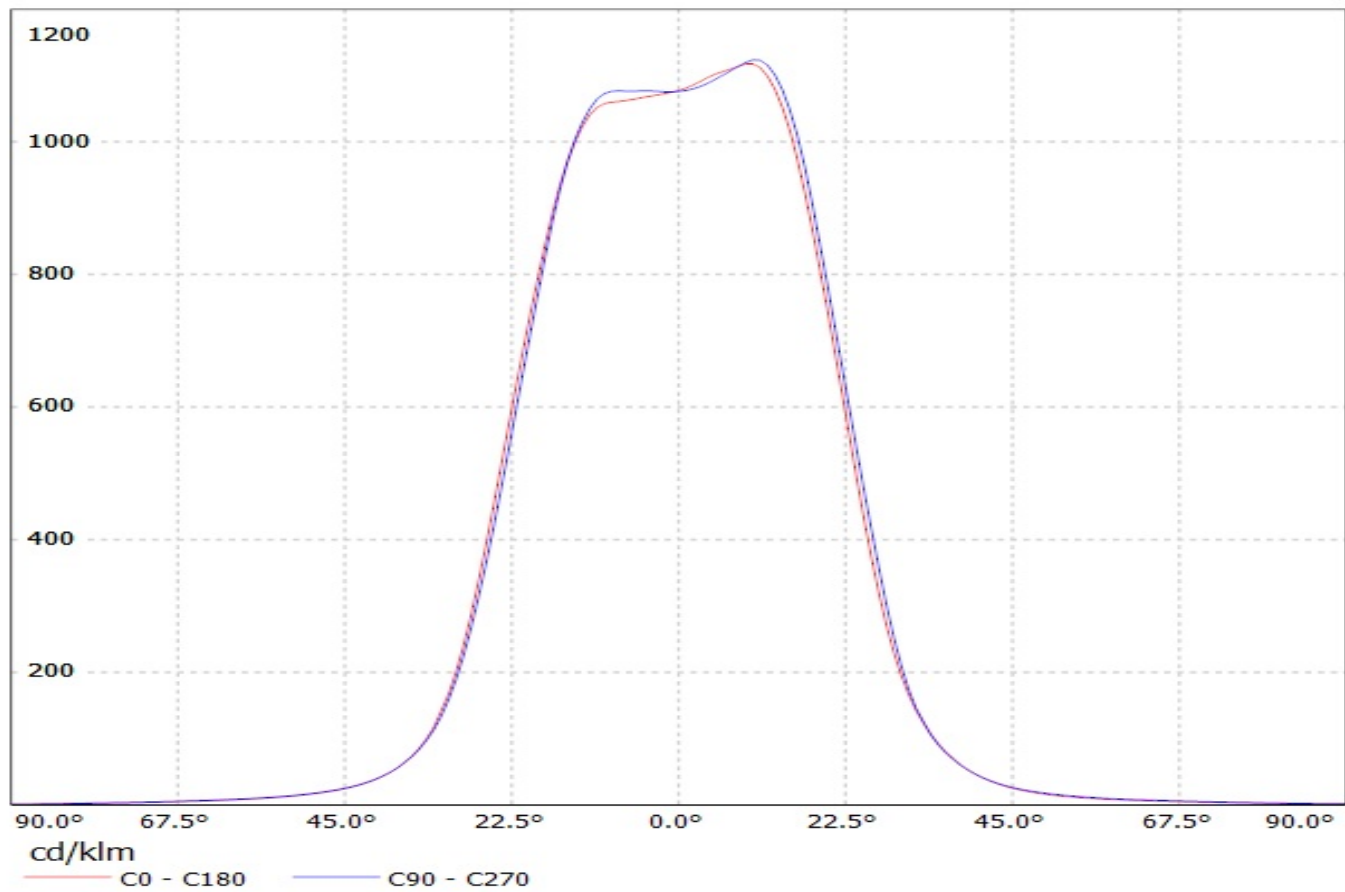
Luminaire: LEDiL Oy CN12296\_LENA-S-DL\_(Luxeon-Cob-1208) Eff: 78 %  
Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1065lm@250mA CCT=3000K P=8.3W I=250mA



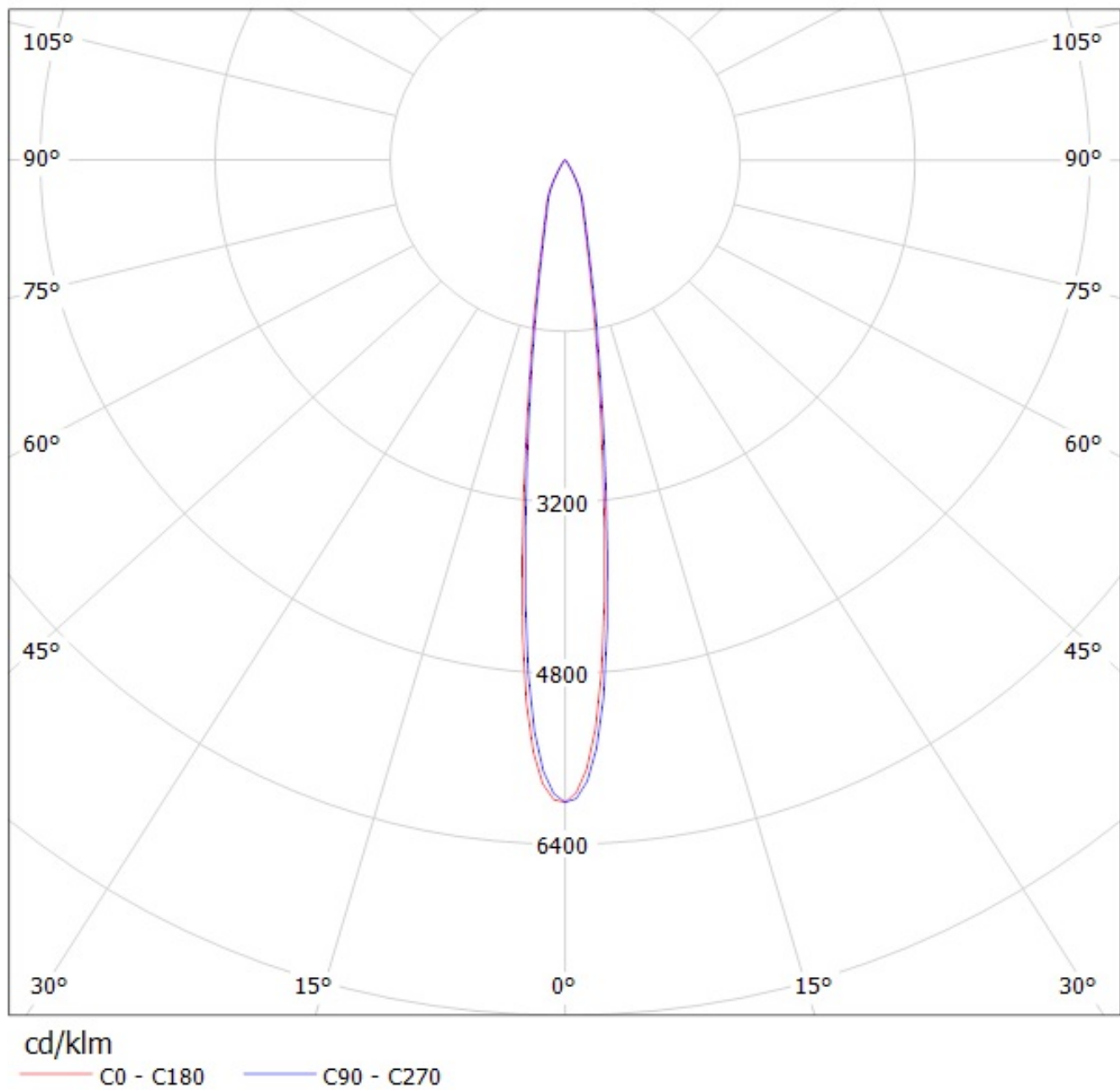
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Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1065lm@250mA CCT=3000K P=8.3W I=250mA

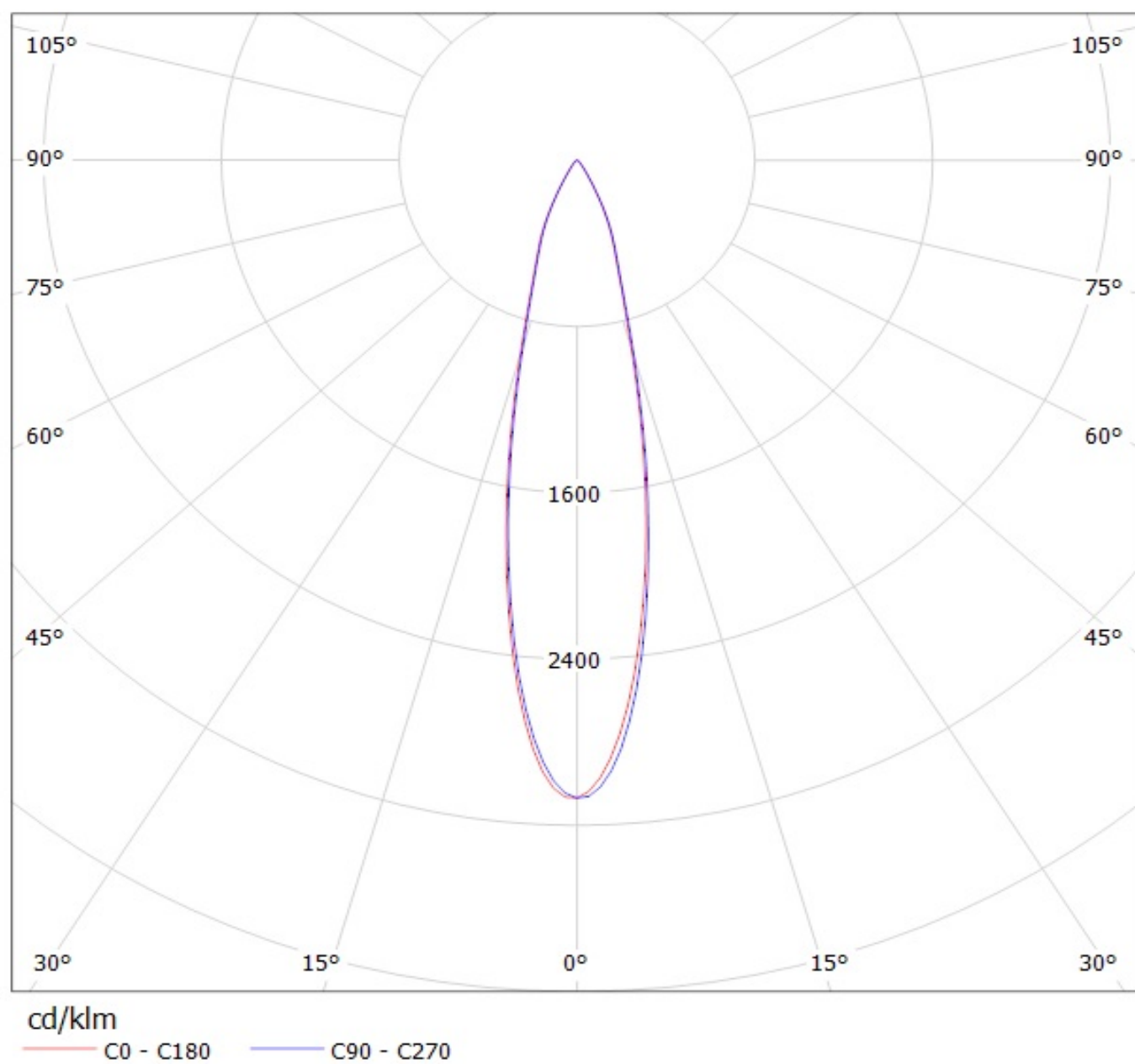


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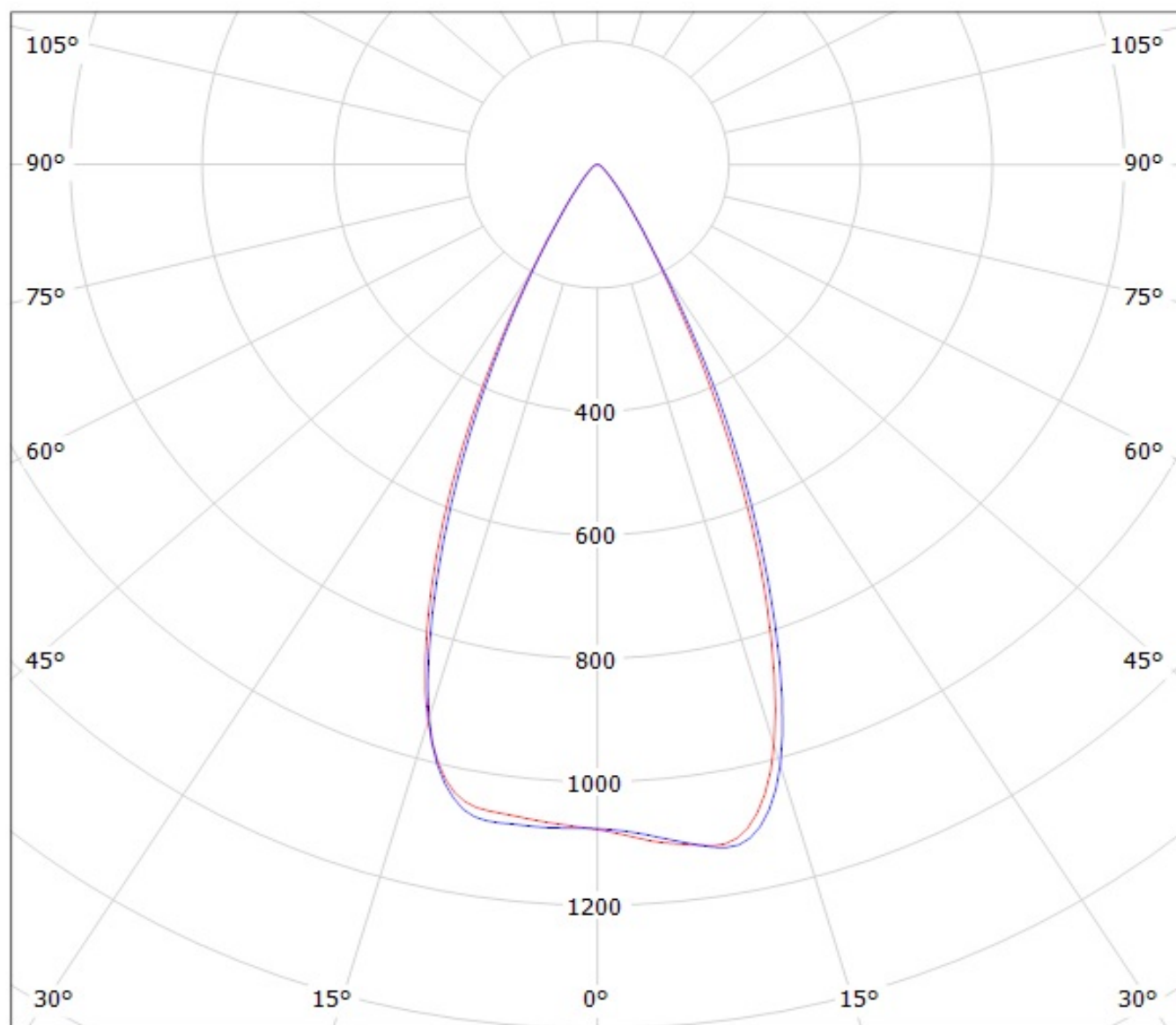
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Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1065lm@250mA CCT=3000K P=8.3W I=250mA



cd/klm

— C0 - C180

— C90 - C270