

**Ordering number CP12857\_EVA-O**

|                 |               |             |                 |
|-----------------|---------------|-------------|-----------------|
| Family          | Eva           | FWHM        | 20.5+37 degrees |
| Type            | Assembly      | Efficiency  | 83 %            |
| LED             | LUXEON M      | cd/Im       | 2.700           |
| Color           | Black         | Gerber File | Available       |
| Diameter        | 37.7 mm       |             |                 |
| Height          | 17 mm         |             |                 |
| Style           | Round         |             |                 |
| Optic Material  | PMMA          |             |                 |
| Holder Material | PC            |             |                 |
| Fastening       | Screw, glue   |             |                 |
| Status          | On production |             |                 |

**Ordering number CA12858\_EVA-O**

|                 |               |             |                 |
|-----------------|---------------|-------------|-----------------|
| Family          | Eva           | FWHM        | 20.5+37 degrees |
| Type            | Assembly      | Efficiency  | 83 %            |
| LED             | LUXEON M      | cd/Im       | 2.700           |
| Color           | Black         | Gerber File | Available       |
| Diameter        | 37.7 mm       |             |                 |
| Height          | 17.2 mm       |             |                 |
| Style           | Round         |             |                 |
| Optic Material  | PMMA          |             |                 |
| Holder Material | PC            |             |                 |
| Fastening       | Screw, tape   |             |                 |
| Status          | On production |             |                 |

**Ordering number CA12802\_EVA-D**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 21 degrees |
| Type            | Assembly      | Efficiency  | 89 %       |
| LED             | LUXEON M      | cd/Im       | 4.200      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17.2 mm       |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, tape   |             |            |
| Status          | On production |             |            |

**Ordering number CP12818\_EVA-D**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 21 degrees |
| Type            | Assembly      | Efficiency  | 89 %       |
| LED             | LUXEON M      | cd/Im       | 4.200      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, glue   |             |            |
| Status          | On production |             |            |

**Ordering number CA12803\_EVA-M**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 26 degrees |
| Type            | Assembly      | Efficiency  | 87 %       |
| LED             | LUXEON M      | cd/Im       | 2.800      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, tape   |             |            |
| Status          | On production |             |            |

**Ordering number CP12819\_EVA-M**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 26 degrees |
| Type            | Assembly      | Efficiency  | 87 %       |
| LED             | LUXEON M      | cd/Im       | 2.800      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, glue   |             |            |
| Status          | On production |             |            |

**Ordering number CA12804\_EVA-W**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 45 degrees |
| Type            | Assembly      | Efficiency  | 80 %       |
| LED             | LUXEON M      | cd/Im       | 1.300      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, tape   |             |            |
| Status          | On production |             |            |

**Ordering number CP12820\_EVA-W**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 45 degrees |
| Type            | Assembly      | Efficiency  | 80 %       |
| LED             | LUXEON M      | cd/Im       | 1.300      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, glue   |             |            |
| Status          | On production |             |            |

**Ordering number CA12805\_EVA-WW**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 65 degrees |
| Type            | Assembly      | Efficiency  | 78 %       |
| LED             | LUXEON M      | cd/Im       | 0.700      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, tape   |             |            |
| Status          | On production |             |            |

**Ordering number CP12821\_EVA-WW**

|                 |               |             |            |
|-----------------|---------------|-------------|------------|
| Family          | Eva           | FWHM        | 65 degrees |
| Type            | Assembly      | Efficiency  | 78 %       |
| LED             | LUXEON M      | cd/Im       | 0.700      |
| Color           | Black         | Gerber File | Available  |
| Diameter        | 37.7 mm       |             |            |
| Height          | 17 mm         |             |            |
| Style           | Round         |             |            |
| Optic Material  | PMMA          |             |            |
| Holder Material | PC            |             |            |
| Fastening       | Screw, glue   |             |            |
| 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

### Eva series

last update 2/4/2013

PHILIPS  
LUMILEDS

#### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON M series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

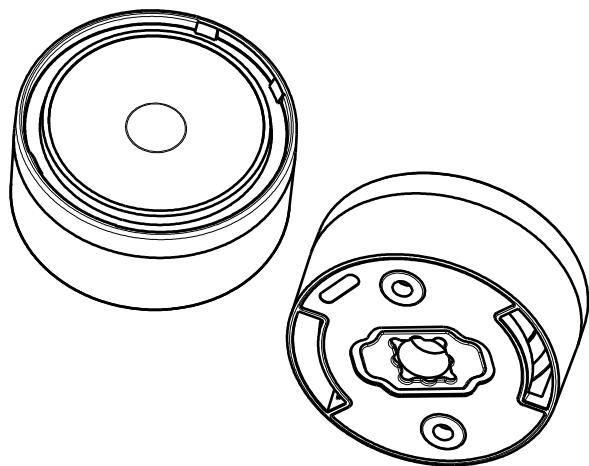
D

C

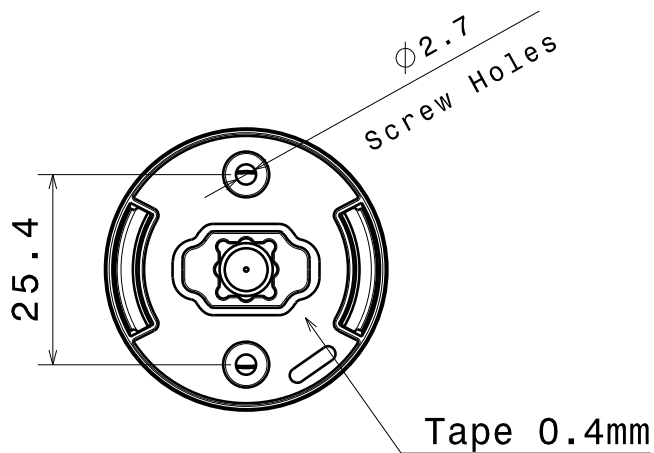
B

A

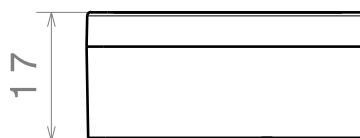
4



Isometric view



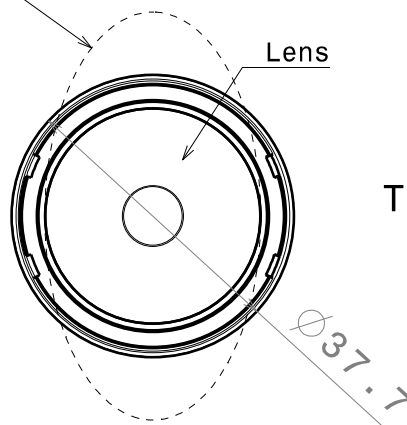
3



Front view

2

Oval beam direction



Top view

Materials:  
Lens PMMA  
Holder PC, BLACK

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**LEDIL**

Ledil Oy  
Tehdaskatu 13  
FIN-24100 SALO  
Finland

DRAWING TITLE

Datasheet EVA-LUXEON-M Assembly

DRAWN BY

mav

DATE

12.4.2012

CHECKED BY

sn

DATE

12.4.2012

SIZE

A4

DRAWING NUMBER

REV

1

DESIGNED BY

pl

DATE

17.02.2011

SCALE

2:1

WEIGHT (g)

SHEET

1/1

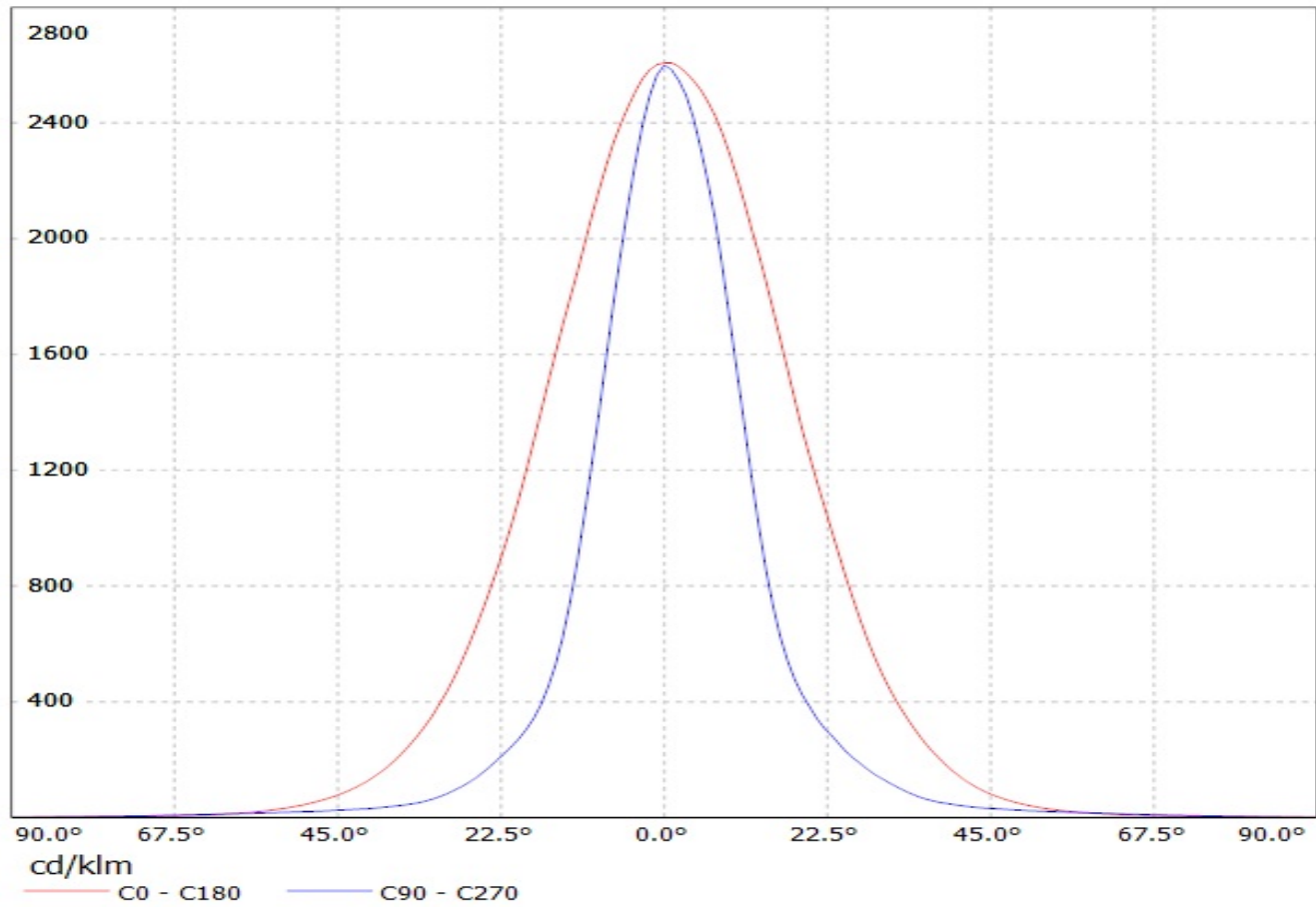
D

A

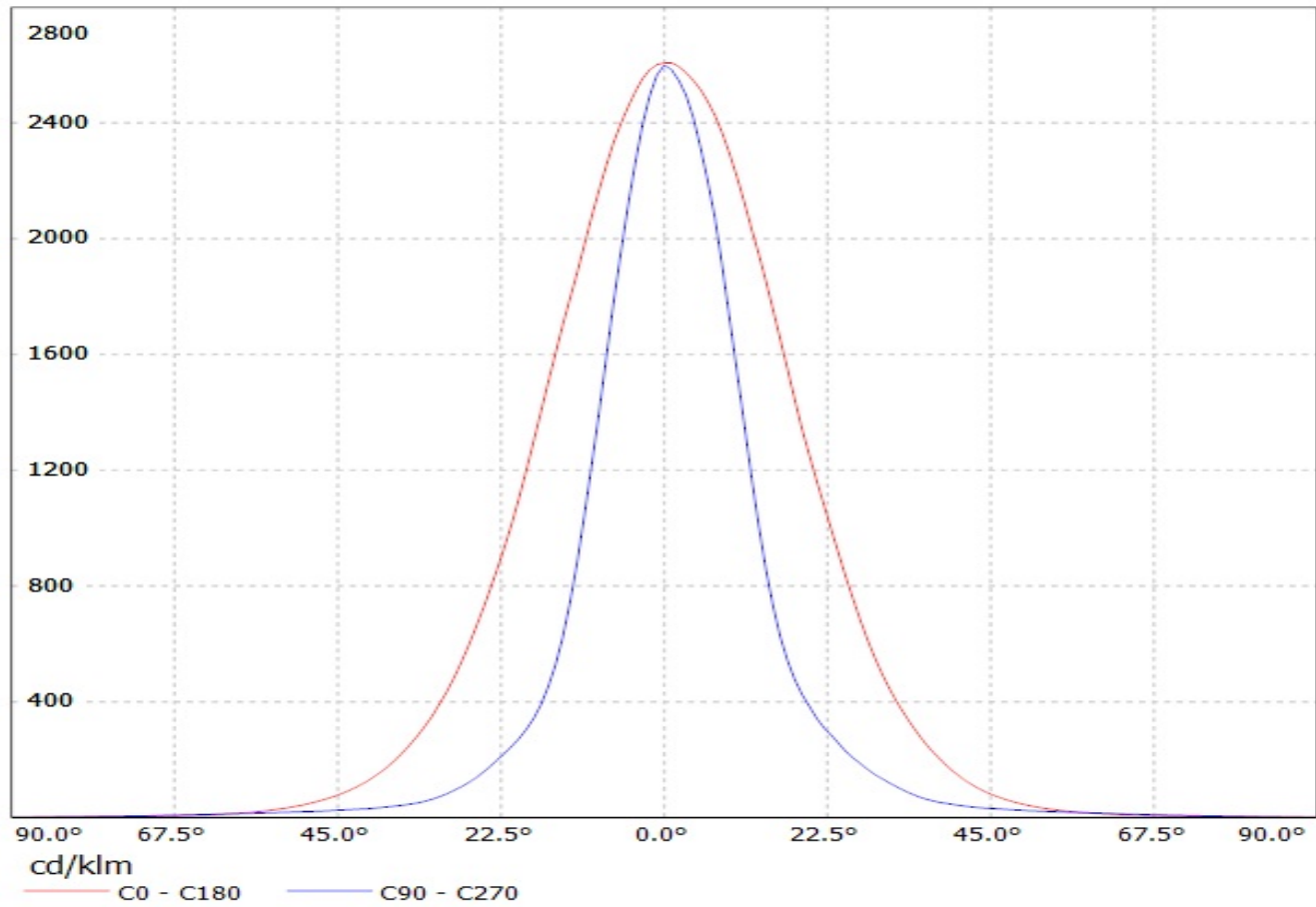
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1

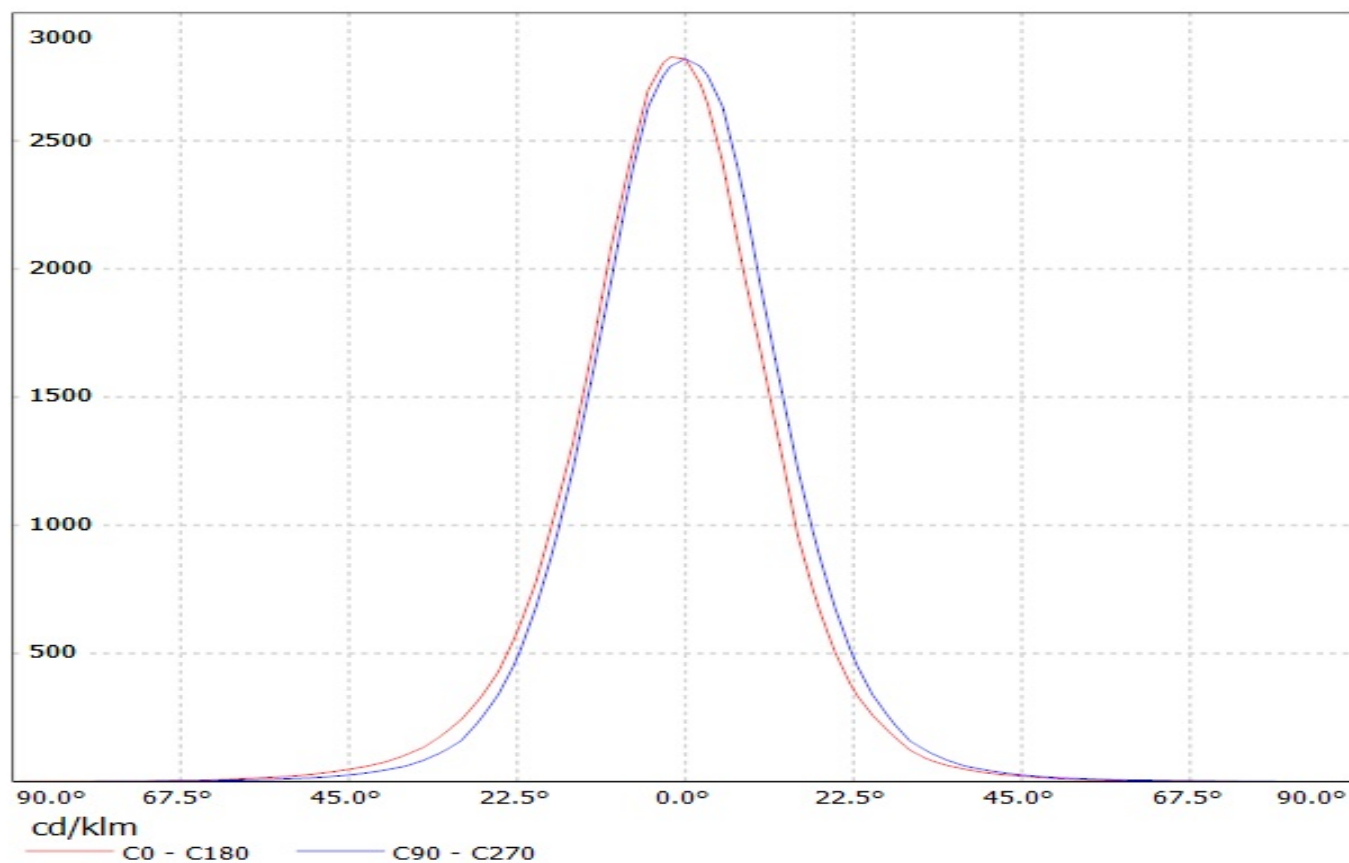
Luminaire: LEDIL OY CA12858\_EVA-O / CP12857\_EVA-O (Luxeon M) Efficiency=83%  
Lamps: 1 x Luxeon M (362lm @ 250mA)



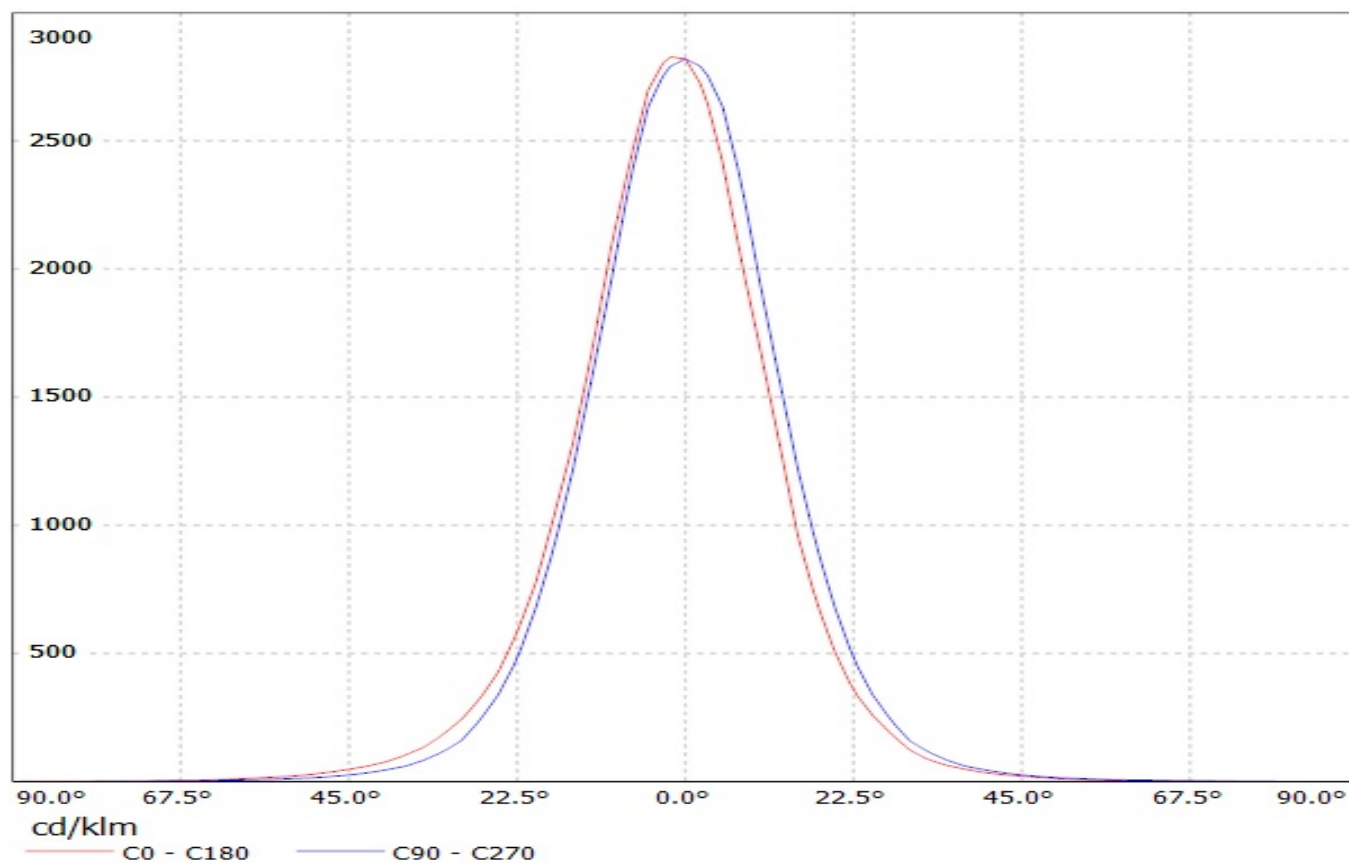
Luminaire: LEDIL OY CA12858\_EVA-O / CP12857\_EVA-O (Luxeon M) Efficiency=83%  
Lamps: 1 x Luxeon M (362lm @ 250mA)



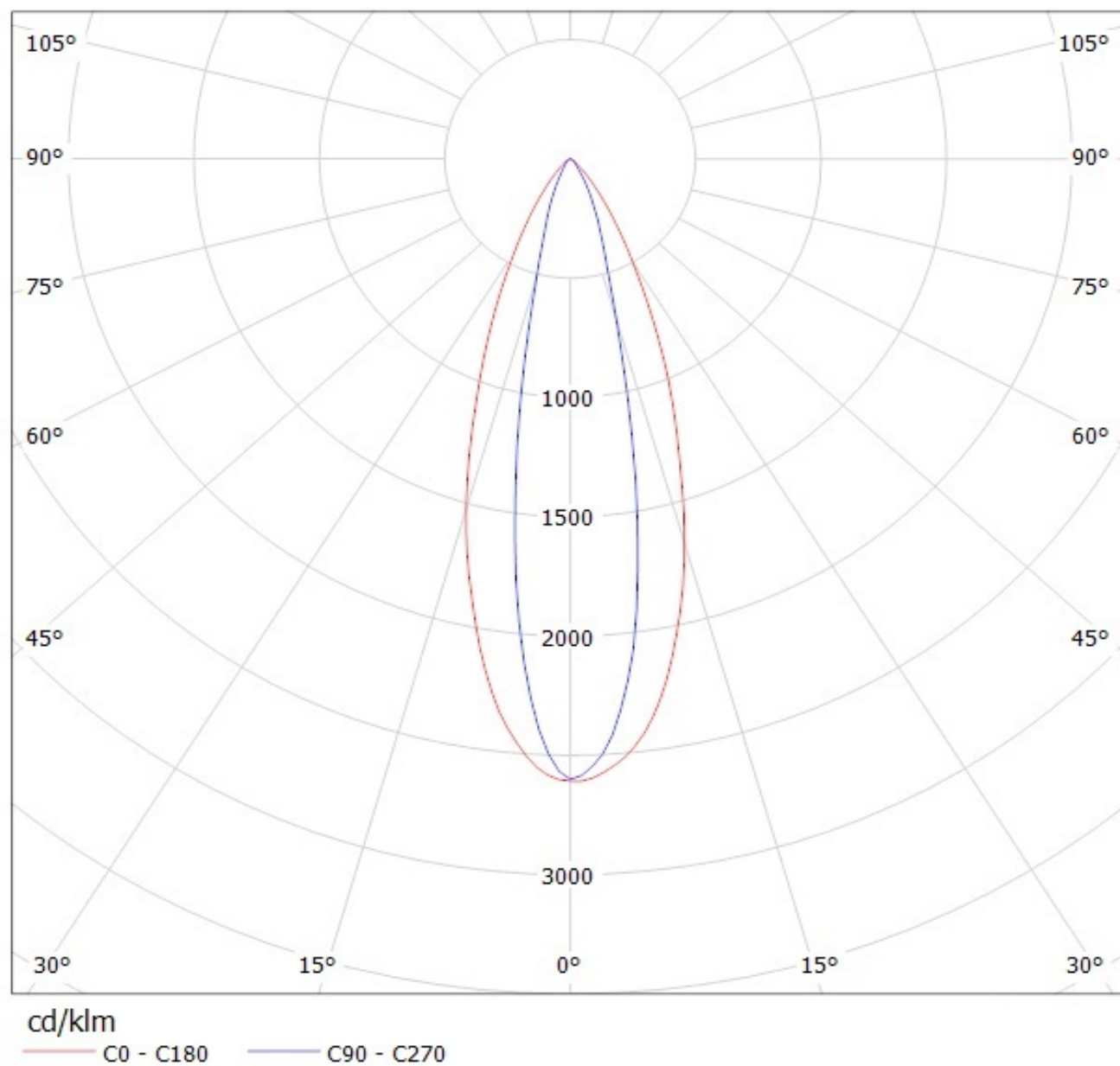
Luminaire: Ledil Oy CA12803\_EVA-M & CP12819\_EVA-M (Luxeon M) Efficiency=87%  
Lamps: 1 x Luxeon M 362lm @ 250mA



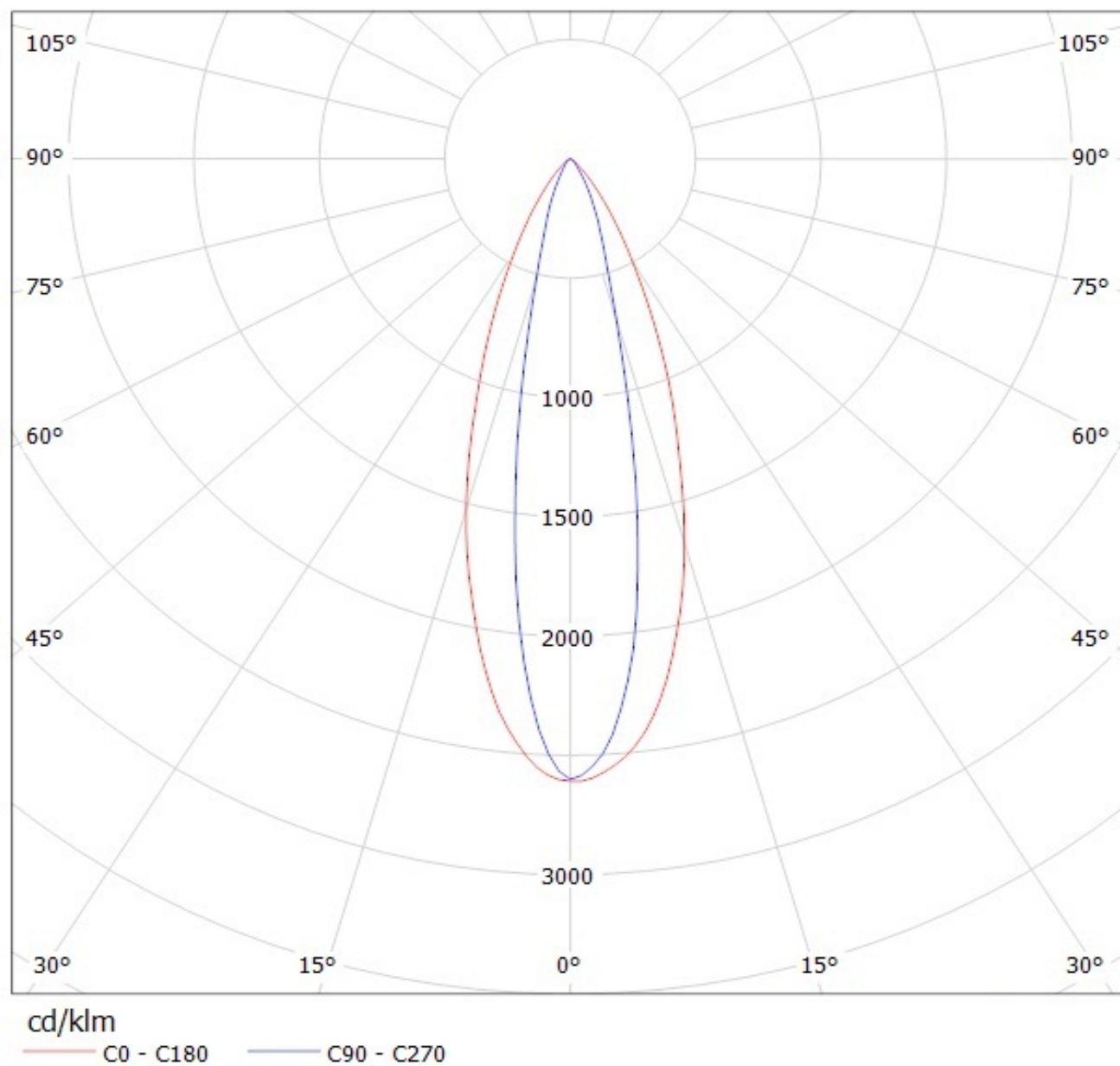
Luminaire: Ledil Oy CA12803\_EVA-M & CP12819\_EVA-M (Luxeon M) Efficiency=87%  
Lamps: 1 x Luxeon M 362lm @ 250mA



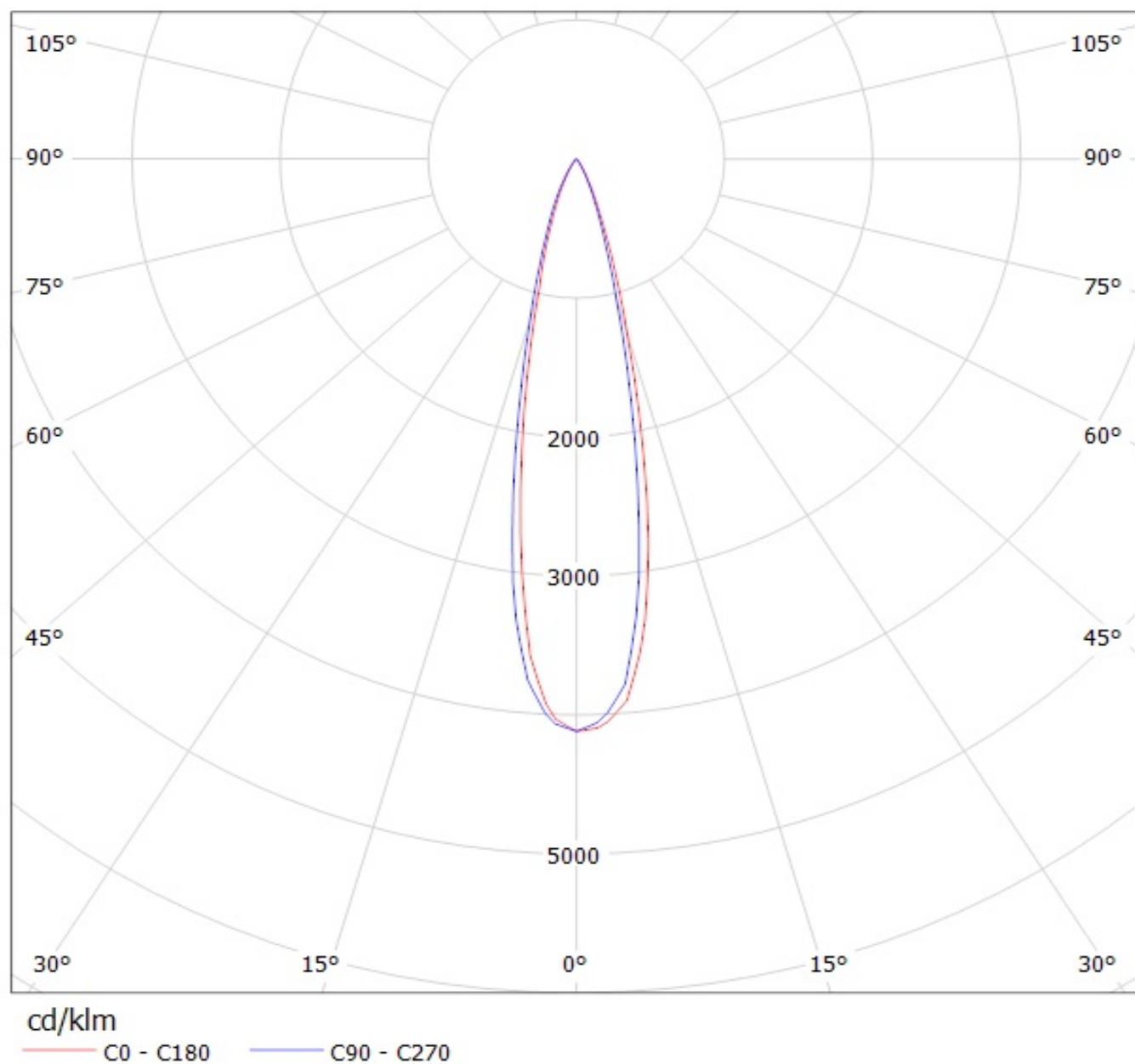
Luminaire: LEDIL OY CA12858\_EVA-O / CP12857\_EVA-O (Luxeon M) Efficiency=83%  
Lamps: 1 x Luxeon M (362lm @ 250mA)



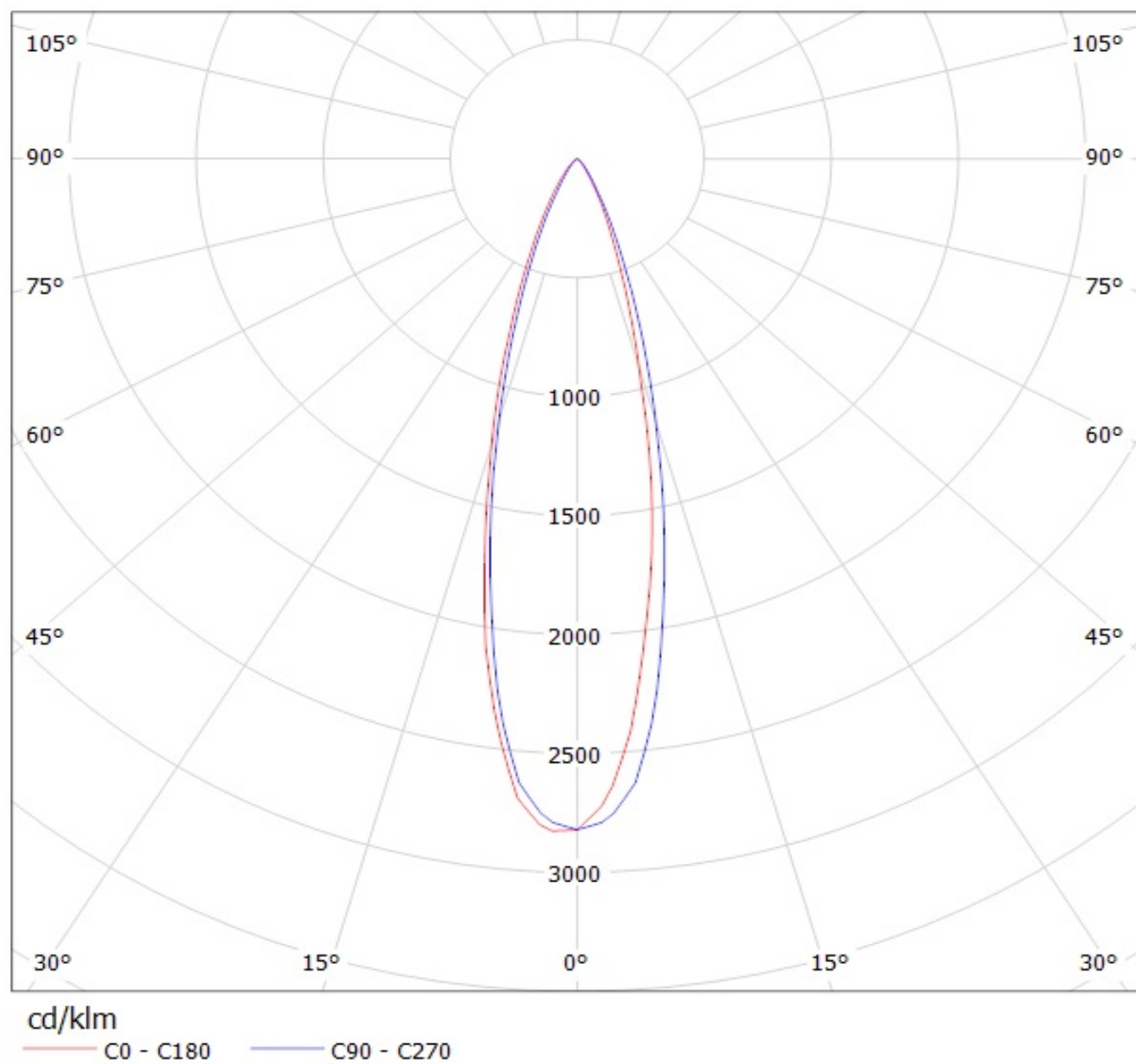
Luminaire: LEDIL OY CA12858\_EVA-O / CP12857\_EVA-O (Luxeon M) Efficiency=83%  
Lamps: 1 x Luxeon M (362lm @ 250mA)



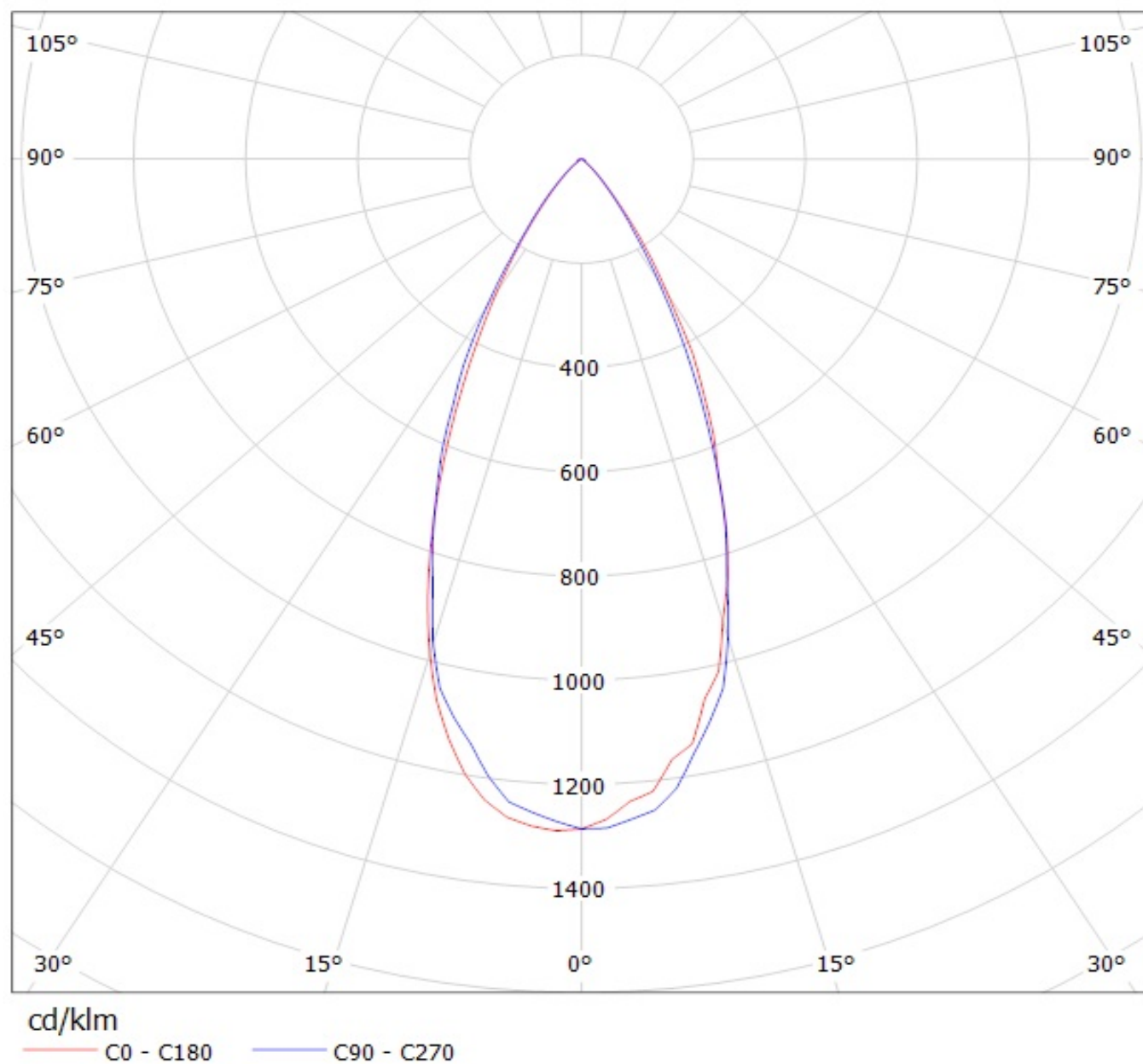
Luminaire: Ledil Oy CA12802\_EVA-D & CP12818\_EVA-D (Luxeon M) Efficiency=89%  
Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: Ledil Oy CA12803\_EVA-M & CP12819\_EVA-M (Luxeon M) Efficiency=87%  
Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: Ledil CA12804\_EVA-W & CP12820\_EVA-W (Luxeon M) Efficiency=80%  
Lamps: 1 x Luxeon M (362lm @ 250mA)



Luminaire: Ledil Oy CA12805\_EVA-WW & CP12821\_EVA-WW (Luxeon M) Efficiency=78%  
Lamps: 1 x Luxeon M (362lm @ 250mA)

