

**Ordering number C11805\_ANNA-40-6-S**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-40-6  | FWHM        | 15 degrees |
| Type            | Lens array | Efficiency  | 92 %       |
| LED             | Z5M        | cd/Im       | 7.800      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 40 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| Optic Material  | PMMA       |             |            |
| Holder Material | -          |             |            |
| Fastening       | Glue, pin  |             |            |
| Status          | Ready      |             |            |

**Ordering number C11806\_ANNA-40-6-M**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-40-6  | FWHM        | 23 degrees |
| Type            | Lens array | Efficiency  | 83 %       |
| LED             | Z5M        | cd/Im       | 2.900      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 40 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| Optic Material  | PMMA       |             |            |
| Holder Material | -          |             |            |
| Fastening       | Pin, glue  |             |            |
| Status          | Ready      |             |            |

**Ordering number C11807\_ANNA-40-6-W**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-40-6  | FWHM        | 32 degrees |
| Type            | Lens array | Efficiency  | 83 %       |
| LED             | Z5M        | cd/Im       | 1.900      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 40 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| Optic Material  | PMMA       |             |            |
| Holder Material | -          |             |            |
| Fastening       | Glue, pin  |             |            |
| Status          | Ready      |             |            |

**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

### Anna-40-6 series

last update 27/2/2013



#### GENERAL INFORMATION

- Product series especially designed & optimized for Z5M 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>

- 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](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

**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.

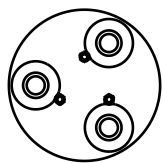
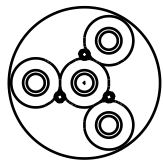
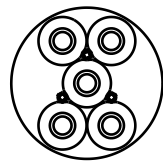
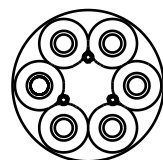
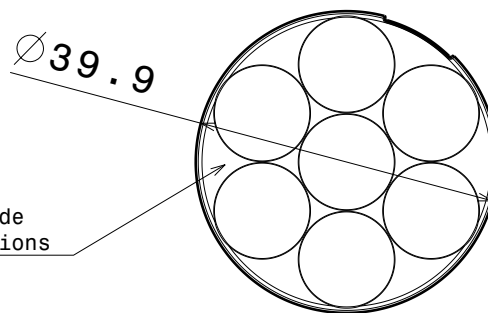
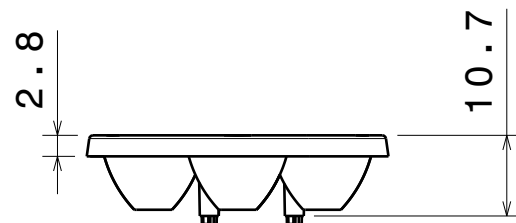
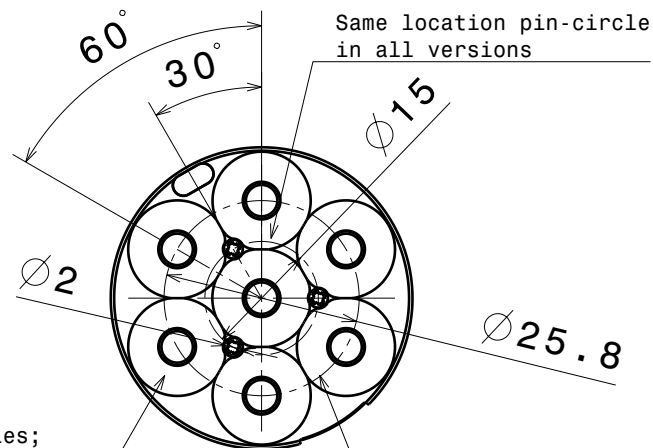
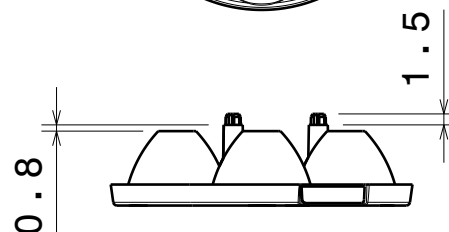
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

D

C

B

A

Anna-3Anna-4Anna-5Anna-6Anna-7

Number of cones varies;  
3, 4, 5, 6 and 7pcs  
on bottom side depending  
the version.

Same led-circle  
in all versions

Material: PMMA

Versions:

Anna-3-S  
Anna-3-M  
Anna-3-W  
Anna-4-S  
Anna-4-M  
Anna-4-W  
Anna-5-S  
Anna-5-M  
Anna-5-W  
Anna-6-S  
Anna-6-M  
Anna-6-W  
Anna-7-S  
Anna-7-M  
Anna-7-W

This drawing is our property.  
It can't be reproduced  
or communicated without  
our written agreement.

LEDIL

L  
T  
F  
F

e  
e  
i  
i

N  
n

d  
h

DRAWING TITLE

Datasheet Anna40-series Lens

DRAWN BY

p

DATE

12.10.2010

CHECKED BY

s

n

DATE

12.10.2010

DESIGNED BY

hh

DATE

30.07.2010

SIZE

A4

DRAWING NUMBER

-

REV

1

SCALE

1:1

WEIGHT (g)

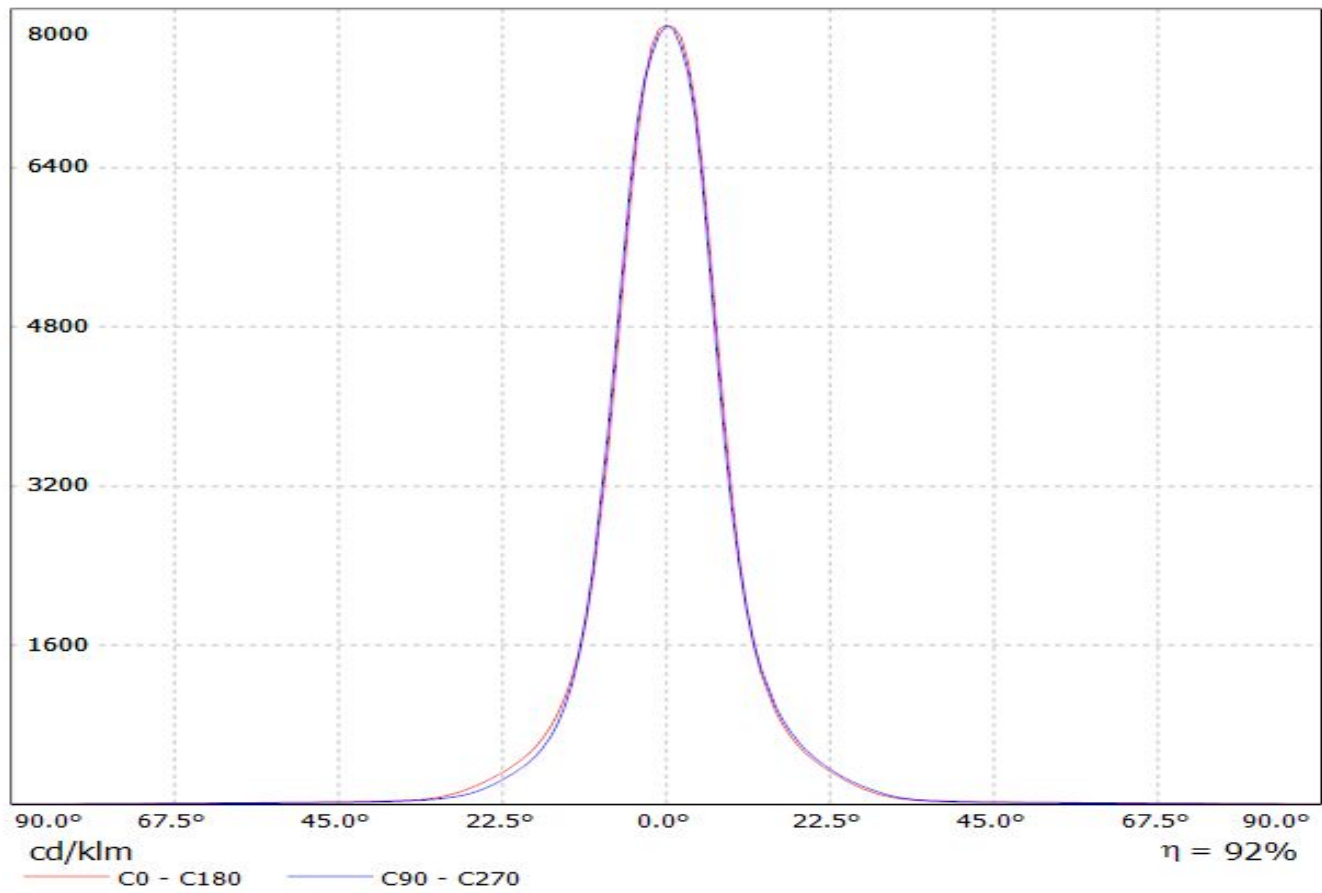
SHEET

1/1

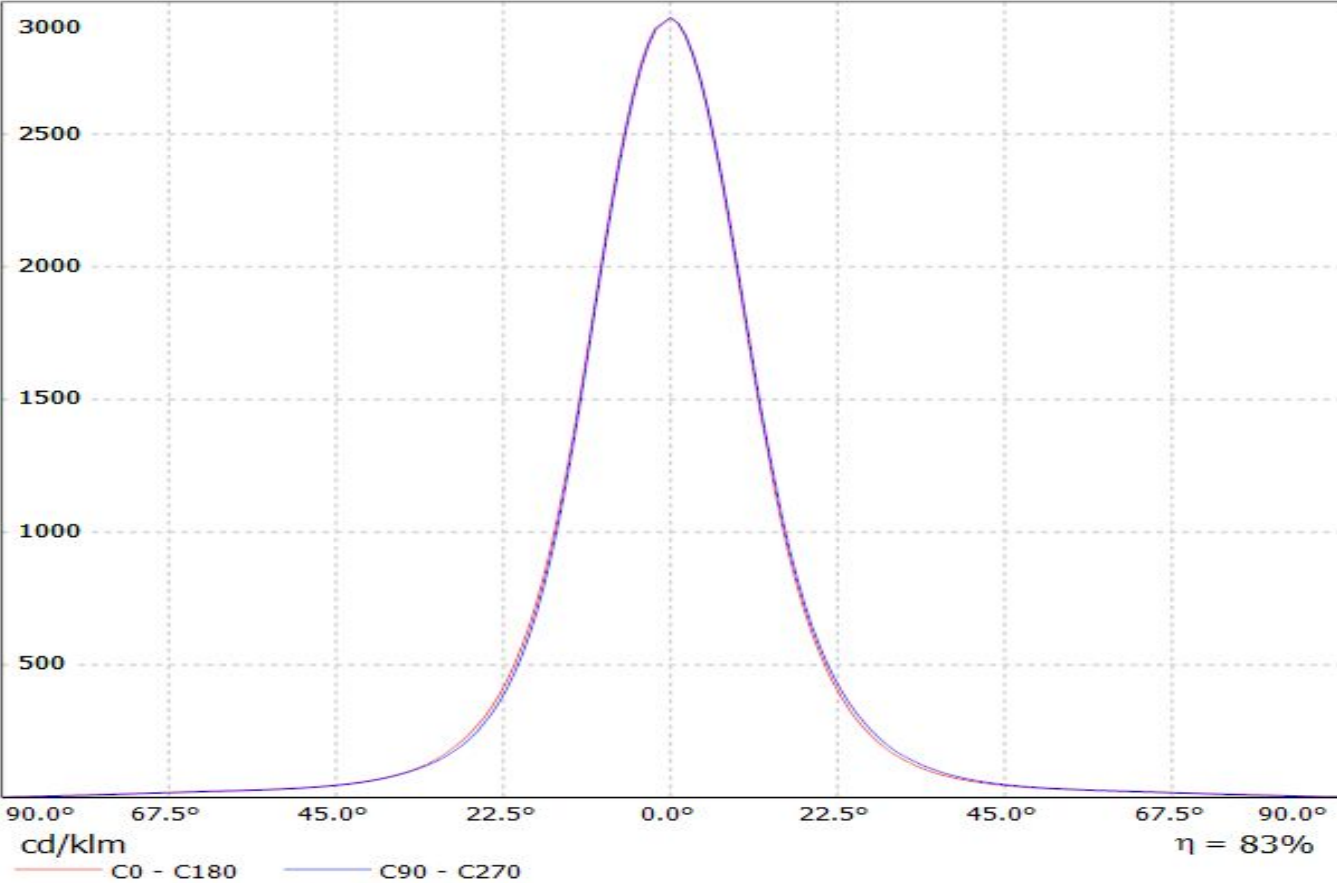
D

A

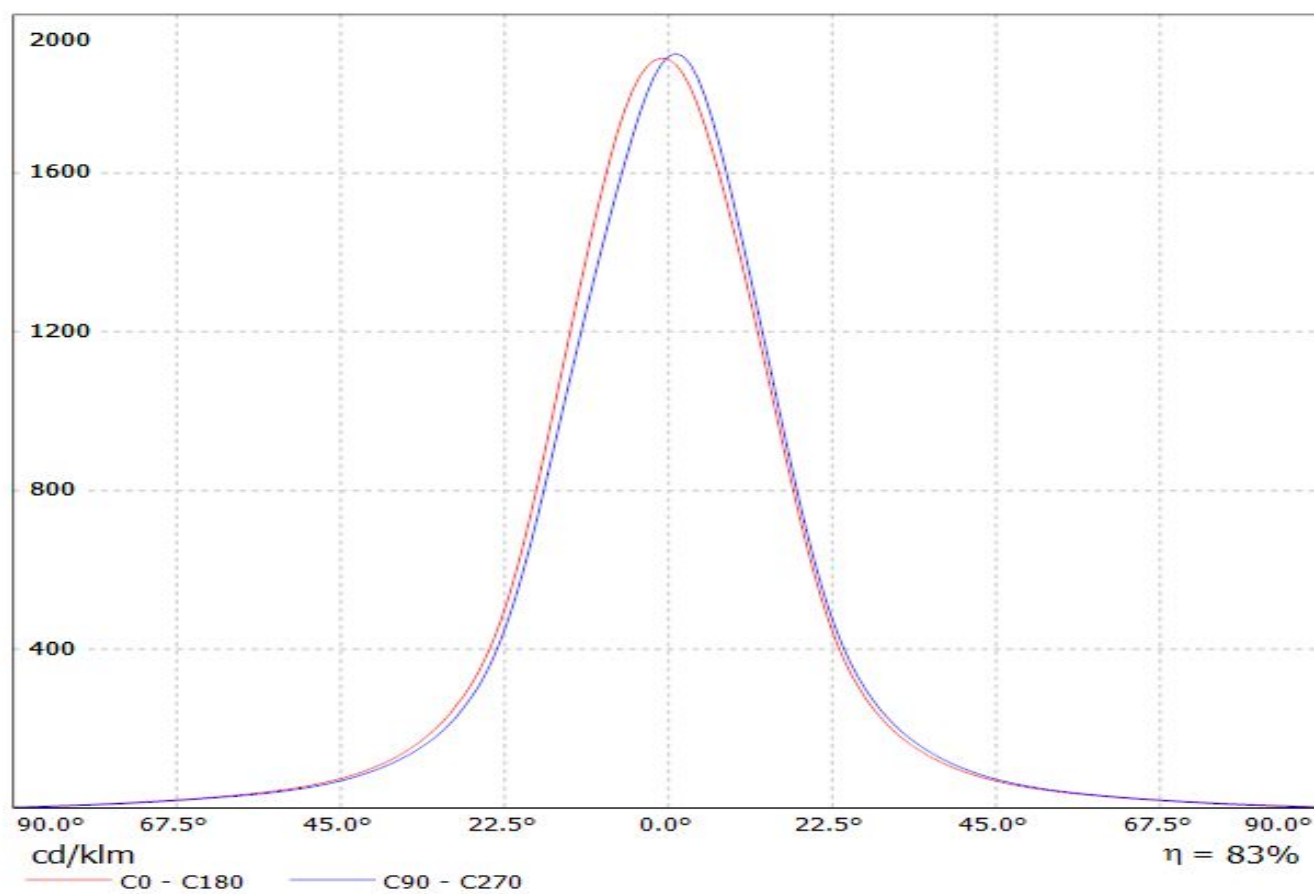
Luminaire: LEDiL Oy C11805\_ANNA-40-6-S\_(SEOUL\_Z5M Eff.92.2%  
Lamps: 1 x SEOUL Z5M (526.235lm@250mA)



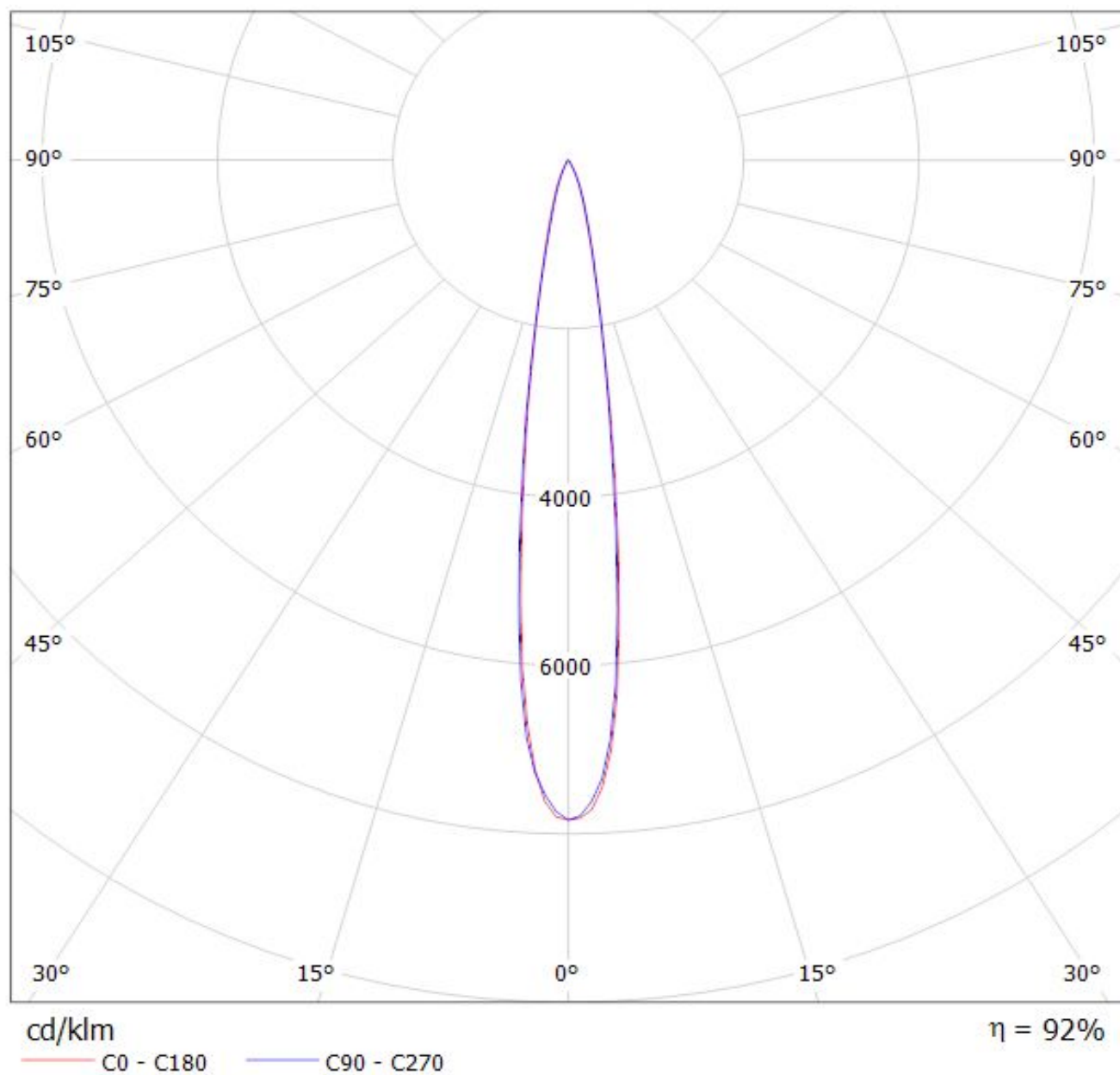
Luminaire: LEDiL Oy C11806\_ANNA-40-6-M\_(SEOUL\_Z5M) Eff.83.2%  
Lamps: 1 x SEOUL\_Z5M (526.235lm@250mA)



Luminaire: LEDiL Oy C11807\_ANNA-40-6-W\_(SEOUL\_Z5M) Eff.82.6%  
Lamps: 1 x SEOUL\_Z5M (526.235lm@250mA)

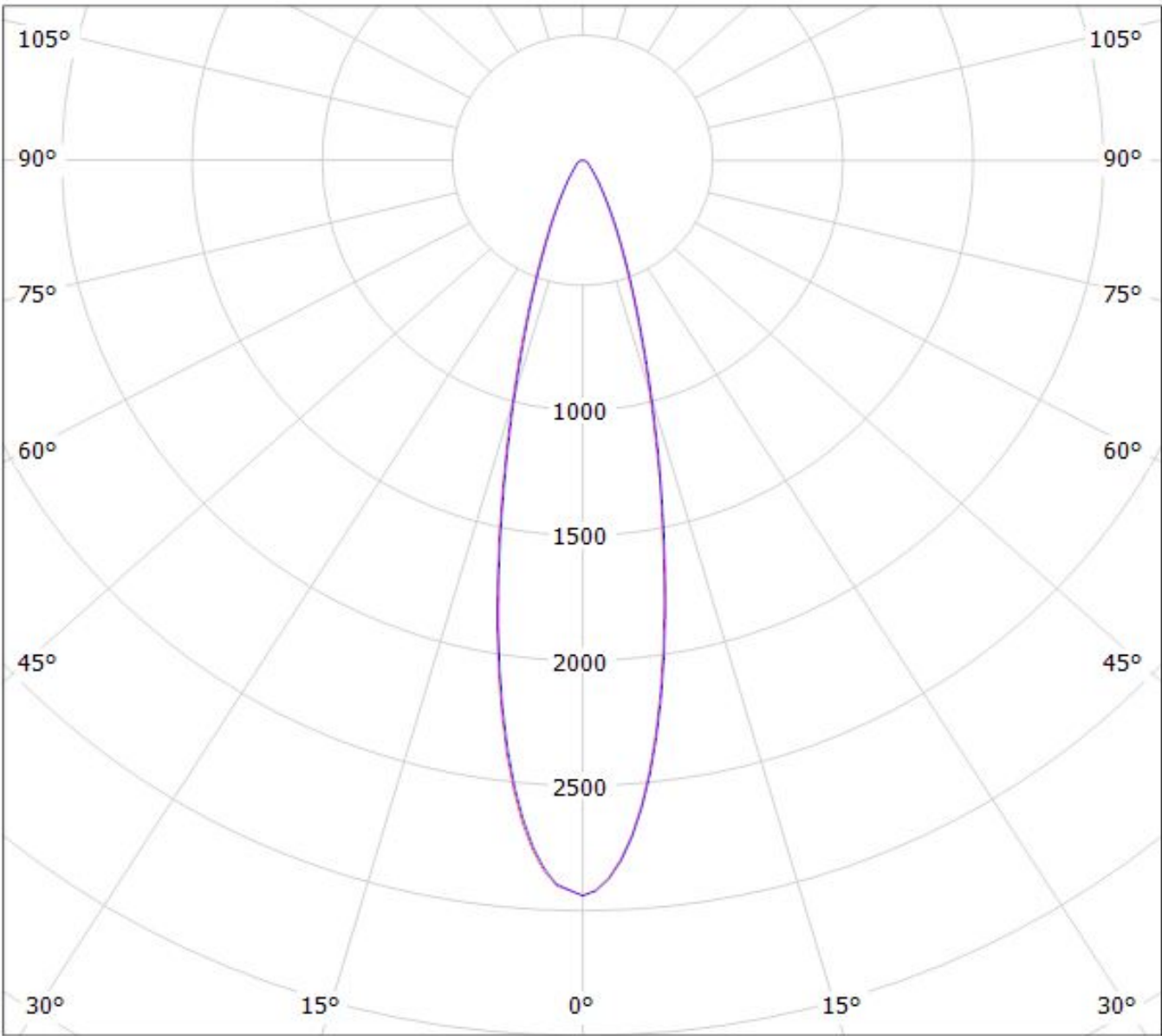


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cd/klm

$\eta = 83\%$

— C0 - C180 — C90 - C270



Luminaire: LEDiL Oy C11807\_ANNA-40-6-W\_(SEOUL\_Z5M) Eff.82.6%  
Lamps: 1 x SEOUL\_Z5M (526.235lm@250mA)

