

## DETAILS

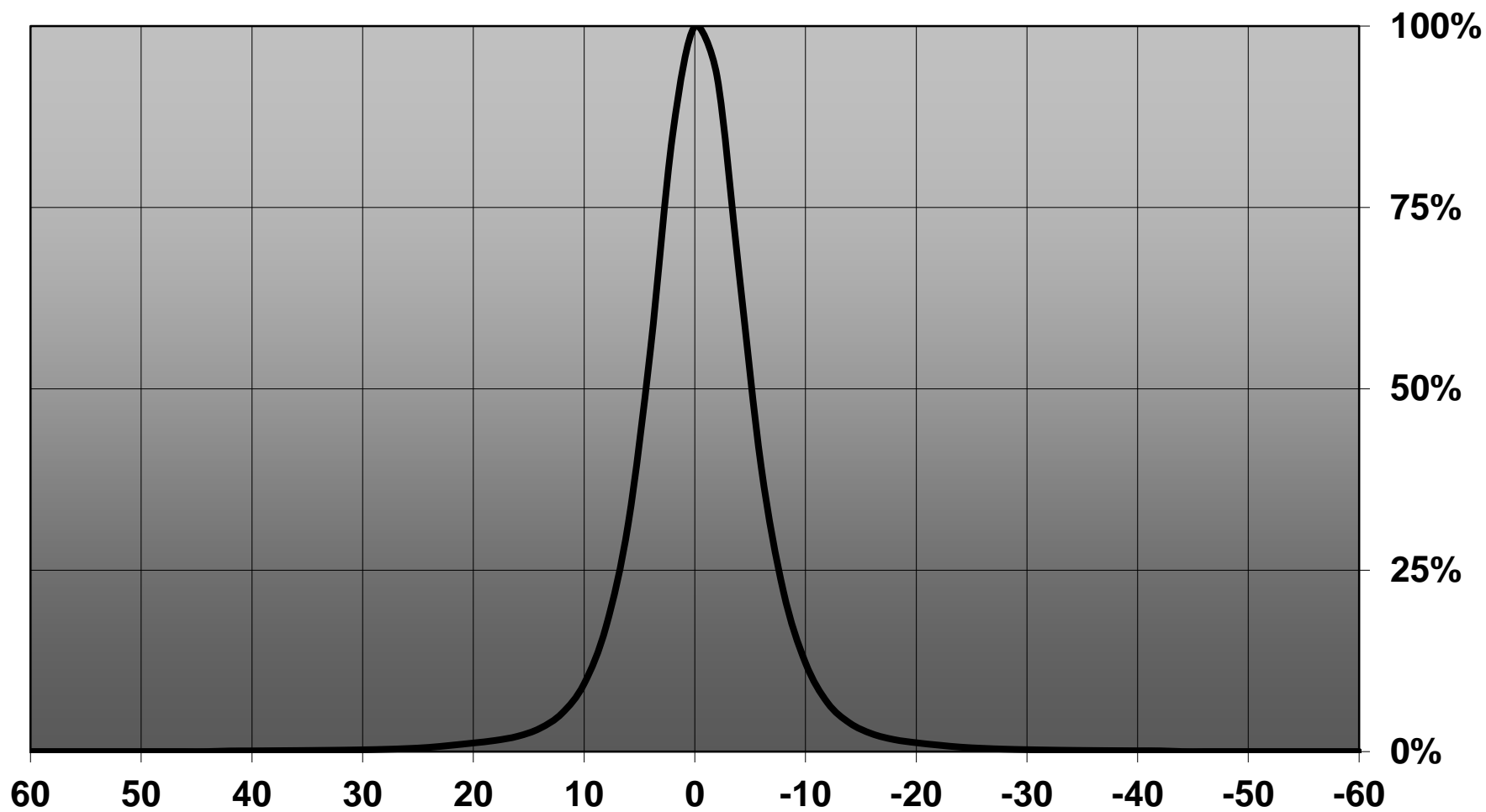
|                        |                     |
|------------------------|---------------------|
| <b>Product Number</b>  | CA14507_G2-LXP2-D-P |
| <b>Family</b>          | Leila               |
| <b>Type</b>            | Assembly            |
| <b>Color</b>           | black               |
| <b>Diameter</b>        | 21,8 mm             |
| <b>Height</b>          | 14,7 mm             |
| <b>Style</b>           | round               |
| <b>Optic Material</b>  |                     |
| <b>Holder Material</b> |                     |
| <b>Fastening</b>       | tape, pin           |
| <b>Status</b>          | production ready    |
| <b>ROHS Compliant</b>  | Yes                 |
| <b>Date Updated</b>    | 30/05/2016          |



## OPTICAL PROPERTIES

| LED               | Viewing  | Light    | Efficiency |              | Connector |
|-------------------|----------|----------|------------|--------------|-----------|
|                   | Angle    | Beam     | cd/lm      |              |           |
| XP-E              | 9.7 deg  | Diffuser | 88 %       | 19.850       | -         |
| XP-G2             | sim: 10  | Diffuser | sim: 94 %  | sim: 24.200- |           |
| XT-E              | sim: 11  | Diffuser | sim: 90 %  | sim: 16.000- |           |
| XP-G3             | sim: 14  | Diffuser | sim: 91 %  | sim: 11.900- |           |
| H35C1 (LEMWA33)   | sim: 12  | Diffuser | sim: 92 %  | sim: 15.600- |           |
| LUXEON Z ES       | 14 deg   | Diffuser | 83 %       | 8.700        | -         |
| LUXEON T          | sim: 12  | Diffuser | sim: 93 %  | sim: 14.300- |           |
| LUXEON TX         | sim: 11  | Diffuser | sim: 92 %  | sim: 15.400- |           |
| LUXEON C          | 11 deg   | Diffuser | 80 %       | 11.000       | -         |
| NCSxx19A          | 13 deg   | Diffuser | 86 %       | 9.000        | -         |
| NWSx229A          | 29 deg   | Diffuser | 83 %       | 4.600        | -         |
| NVSxx19B/NVSxx19C | sim: 13  | Diffuser | sim: 89 %  | sim: 12.000- |           |
| NVSW3x9A          | 17 deg   | Diffuser | 81 %       | 6.100        | -         |
| Oslon Square Gen3 | sim: 11  | Diffuser | sim: 92 %  | sim: 16.700- |           |
| Oslon SSL 80      | sim: 8,3 | Diffuser | sim: 92 %  | sim: 30.500- |           |
| SFH 4770S         | sim: 9   | Diffuser | sim: 85 %  | -            | -         |
| LH351B            | sim: 12  | Diffuser | sim: 92 %  | sim: 13.000- |           |
| LH351A(3535)      | sim: 11  | Diffuser | sim: 91 %  | sim: 15.900- |           |
| Z5P               | sim: 10  | Diffuser | sim: 92 %  | sim: 17.500- |           |
| Z5M1/Z5M2         | sim: 12  | Diffuser | sim: 93 %  | sim: 15.200- |           |
| Z8Y22P            | 15 deg   | Diffuser | 78 %       | 5.600        | -         |

Relative intensity of CA14507\_G2-LXP2-D-P\_(XP-E)



D

C

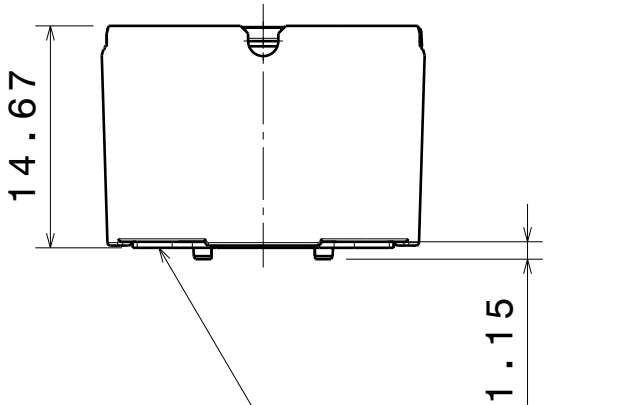
B

A

|             |
|-------------|
| Applies to: |
| CA14503     |
| CA14505     |
| CA14507     |
| CA14509     |
| CA14511     |

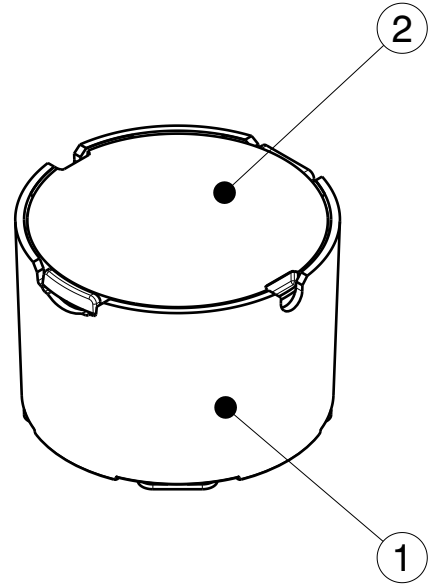
4

4



Front view

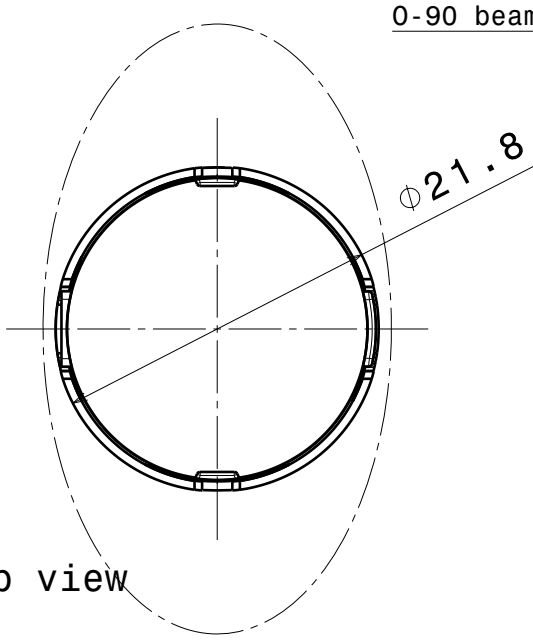
PU foam tape 0.4mm



Isometric view

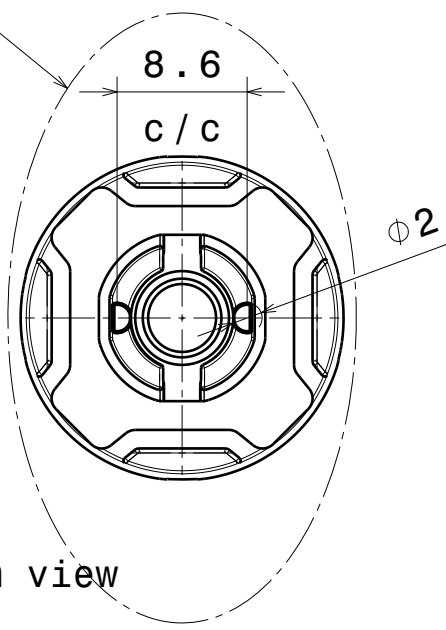
3

3



Top view

0-90 beam direction



Bottom view

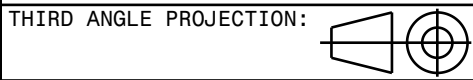
2

2

| INDEX | PART NO | DESCRIPTION           | MATERIAL | COLOUR |
|-------|---------|-----------------------|----------|--------|
| 1     | C14443  | LXP2-LT-HLD           | PC       | black  |
| 2     | -       | LXP2-series_mech lens | PMMA     | clear  |

Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures:  
 up to 30mm class M, otherwise class C  
 According to DIN ISO 2768-2  
 Form and position: class L

**LEDiL** LediL Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland



THIRD ANGLE PROJECTION:

DRAWING TITLE

LEILA-G2-LXP2-PIN

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 of LEDiL Oy. It may not be  
 reproduced, copied or  
 communicated without a written  
 agreement with LEDiL Oy.

| SIZE | PART NUMBER |
|------|-------------|
| A4   | -           |

|       |     |        |       |       |     |
|-------|-----|--------|-------|-------|-----|
| SCALE | 2:1 | WEIGHT | 4,0 g | SHEET | 1/1 |
|-------|-----|--------|-------|-------|-----|

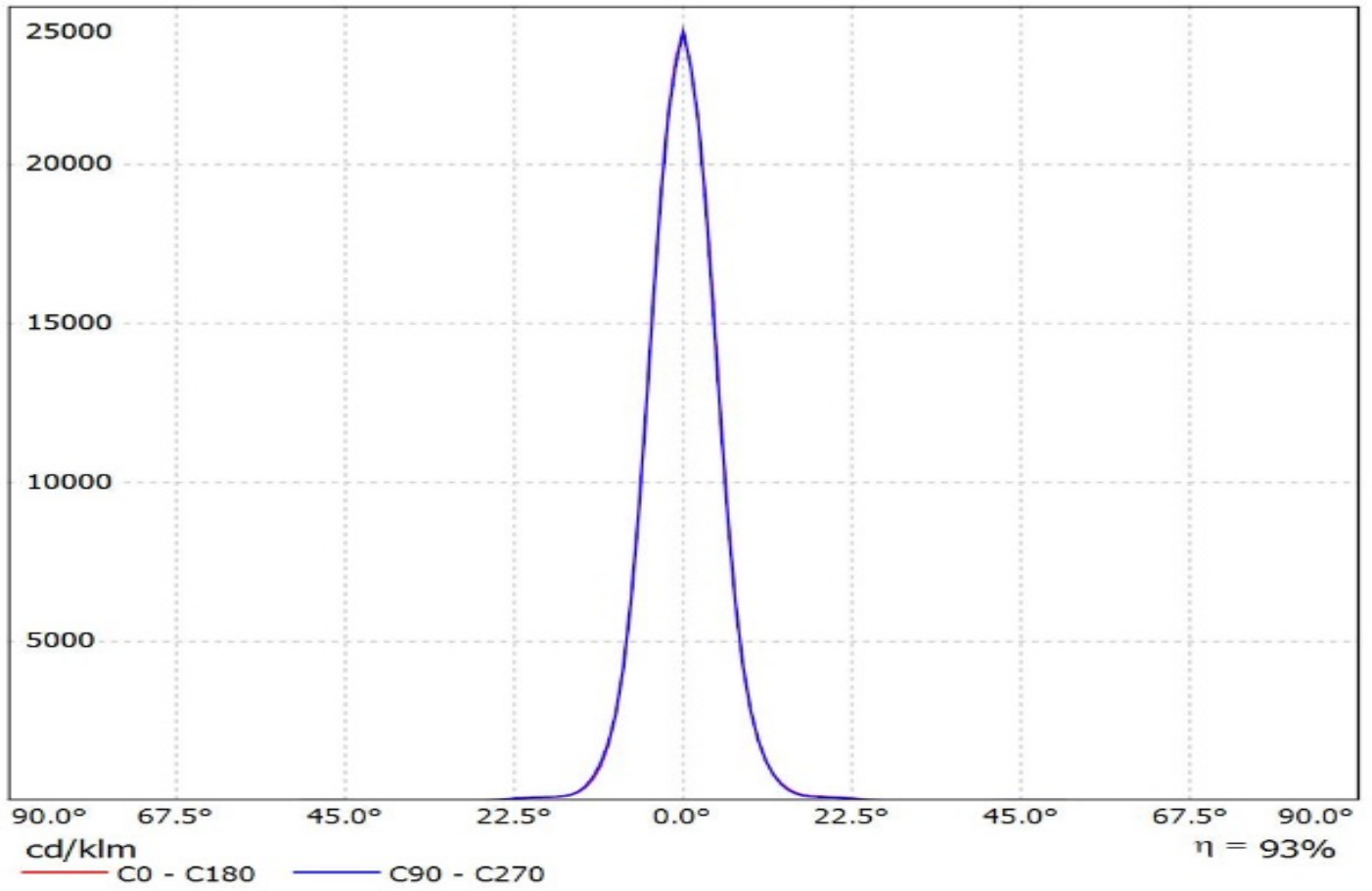
1

1

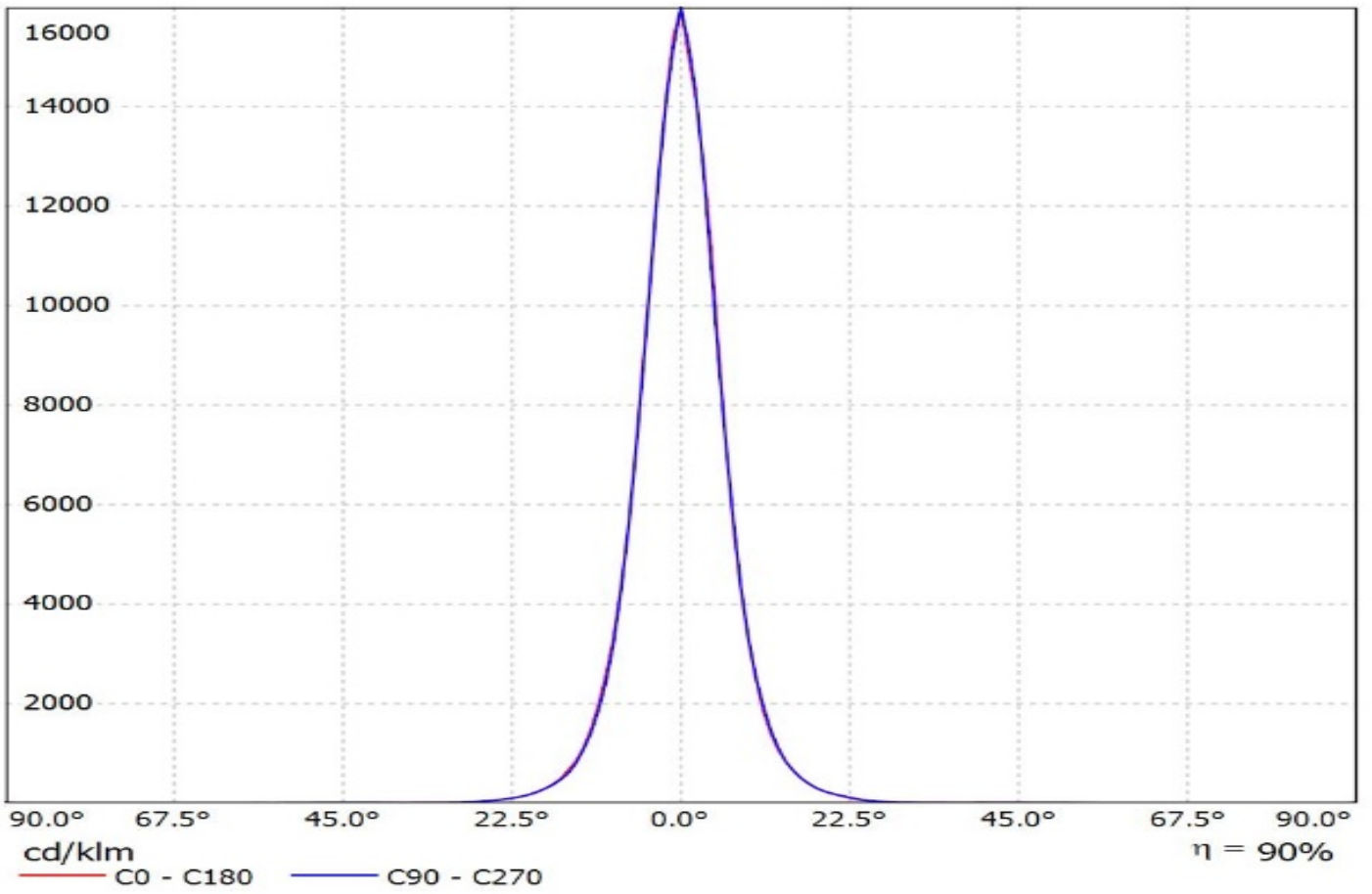
D

A

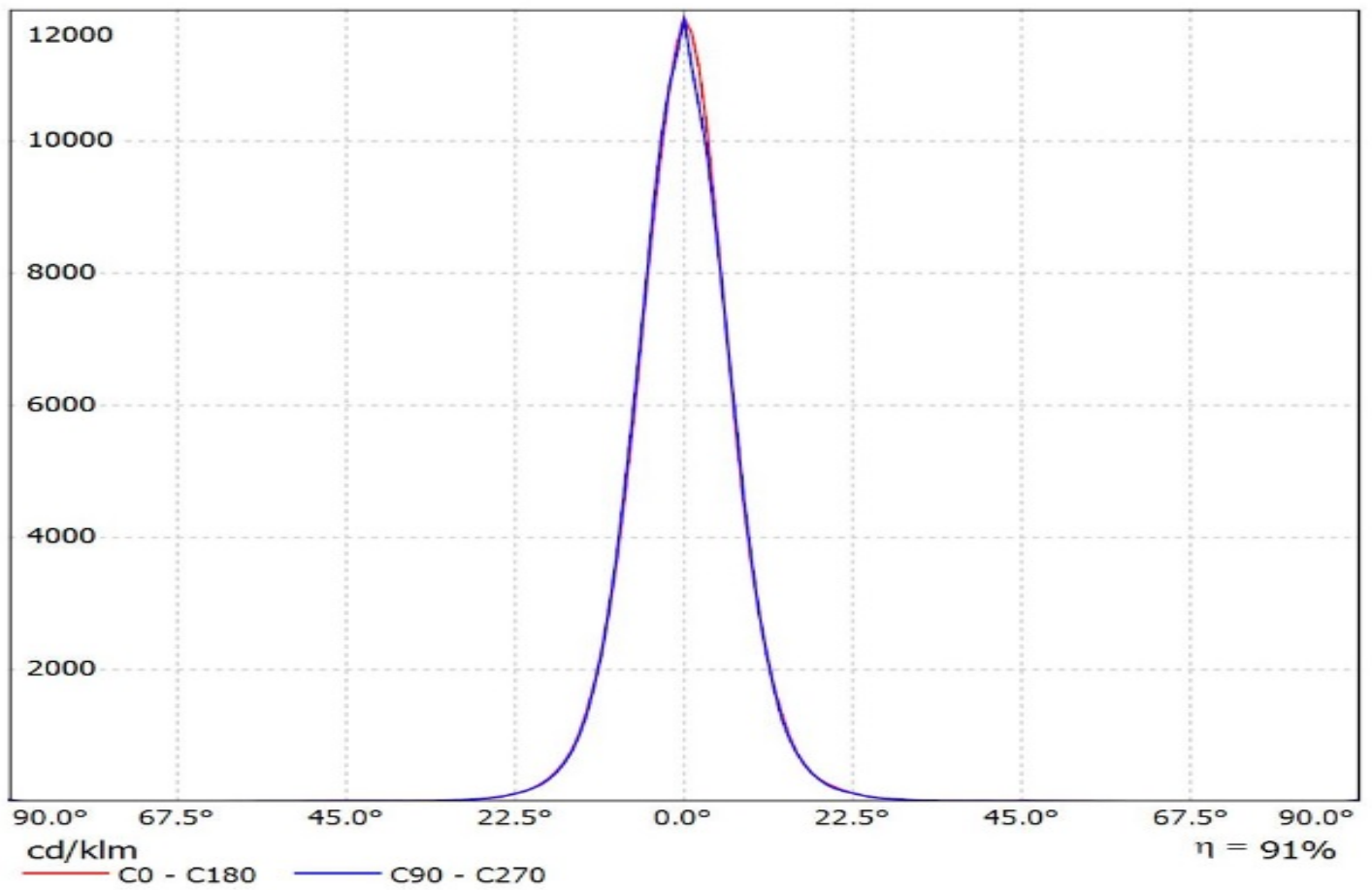
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_XP-G2\_SIMULATED  
Lamps: 1 x CREE XP-G2



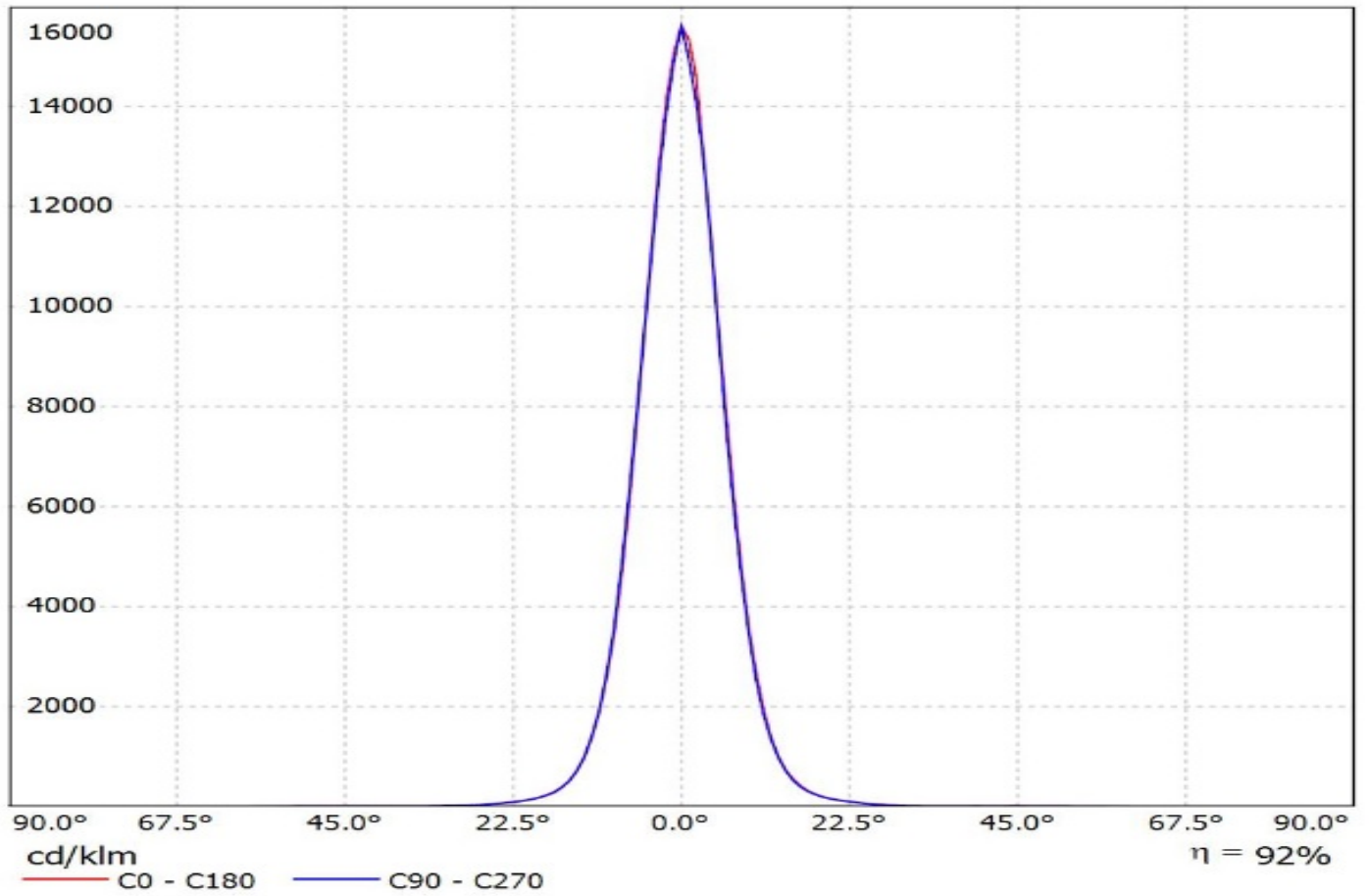
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(XT-E)\_SIMULATED  
Lamps: 1 x Cree XT-E



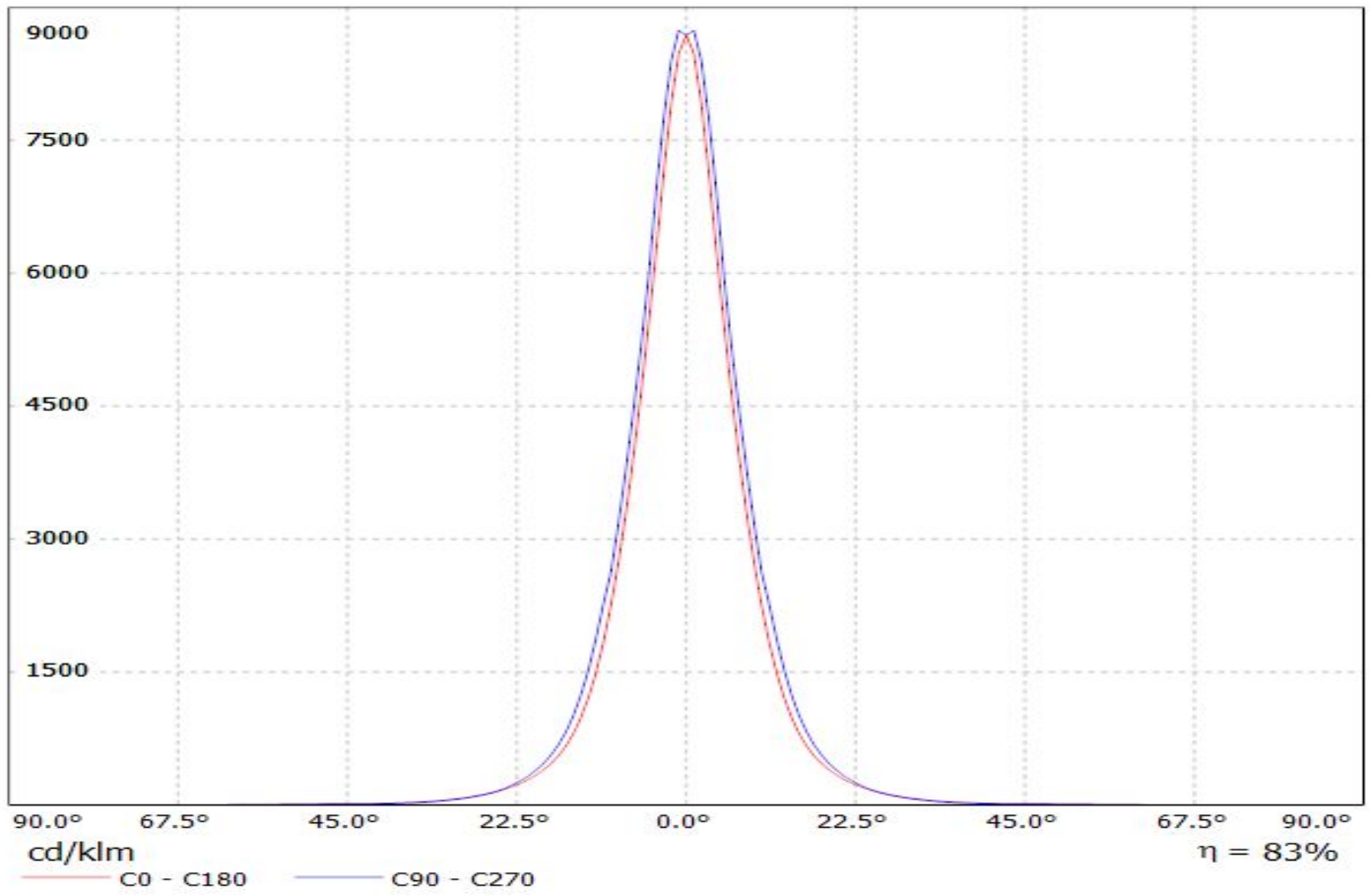
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(XP-G3)\_SIMULATED  
Lamps: 1 x Cree XP-G3



Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(LG\_H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1

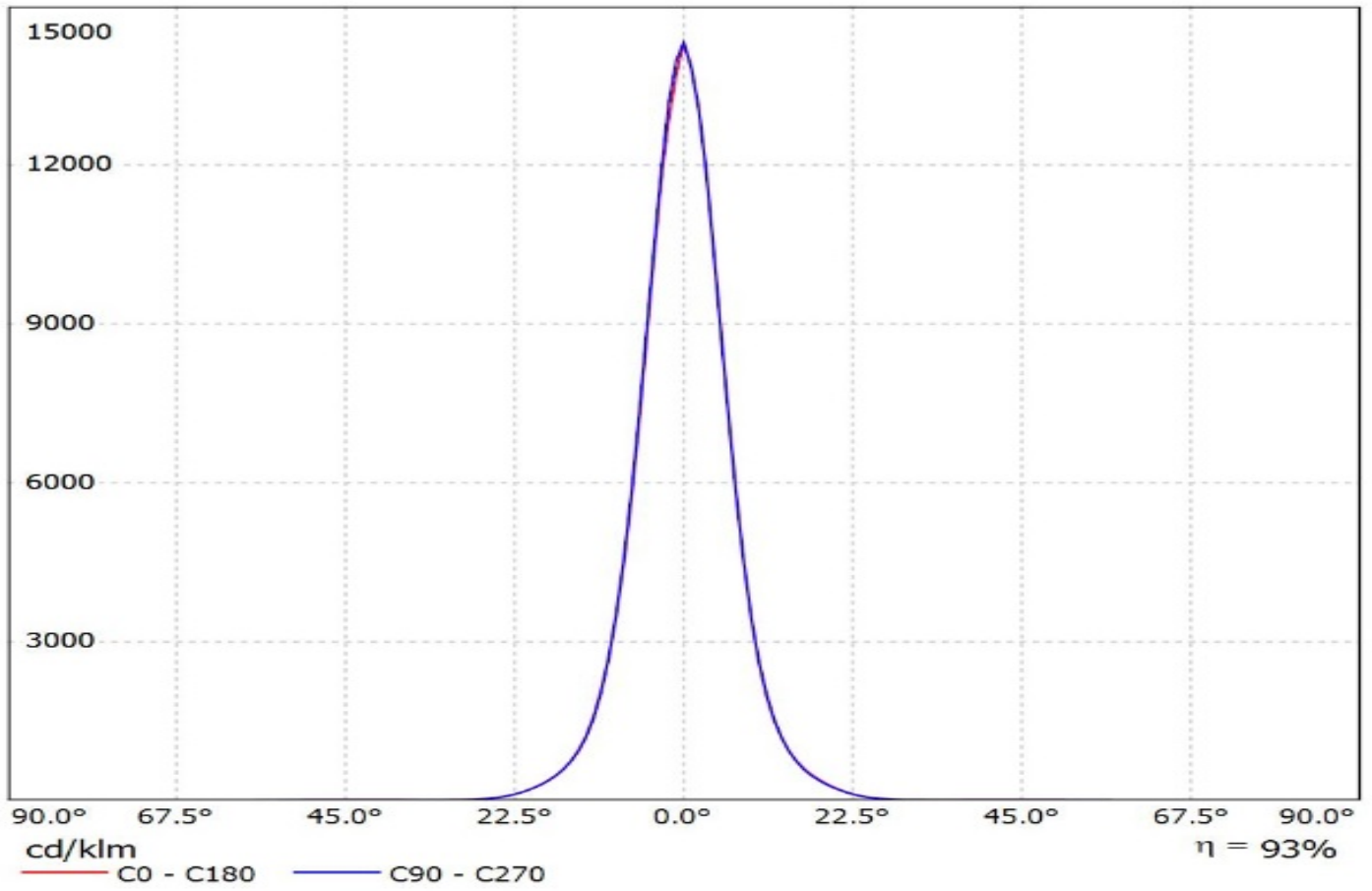


Luminaire: LEDiL Oy  
Lamps: 1 x CA14507\_G2-LXP2-D-P\_(LUXEON\_Z-ES)

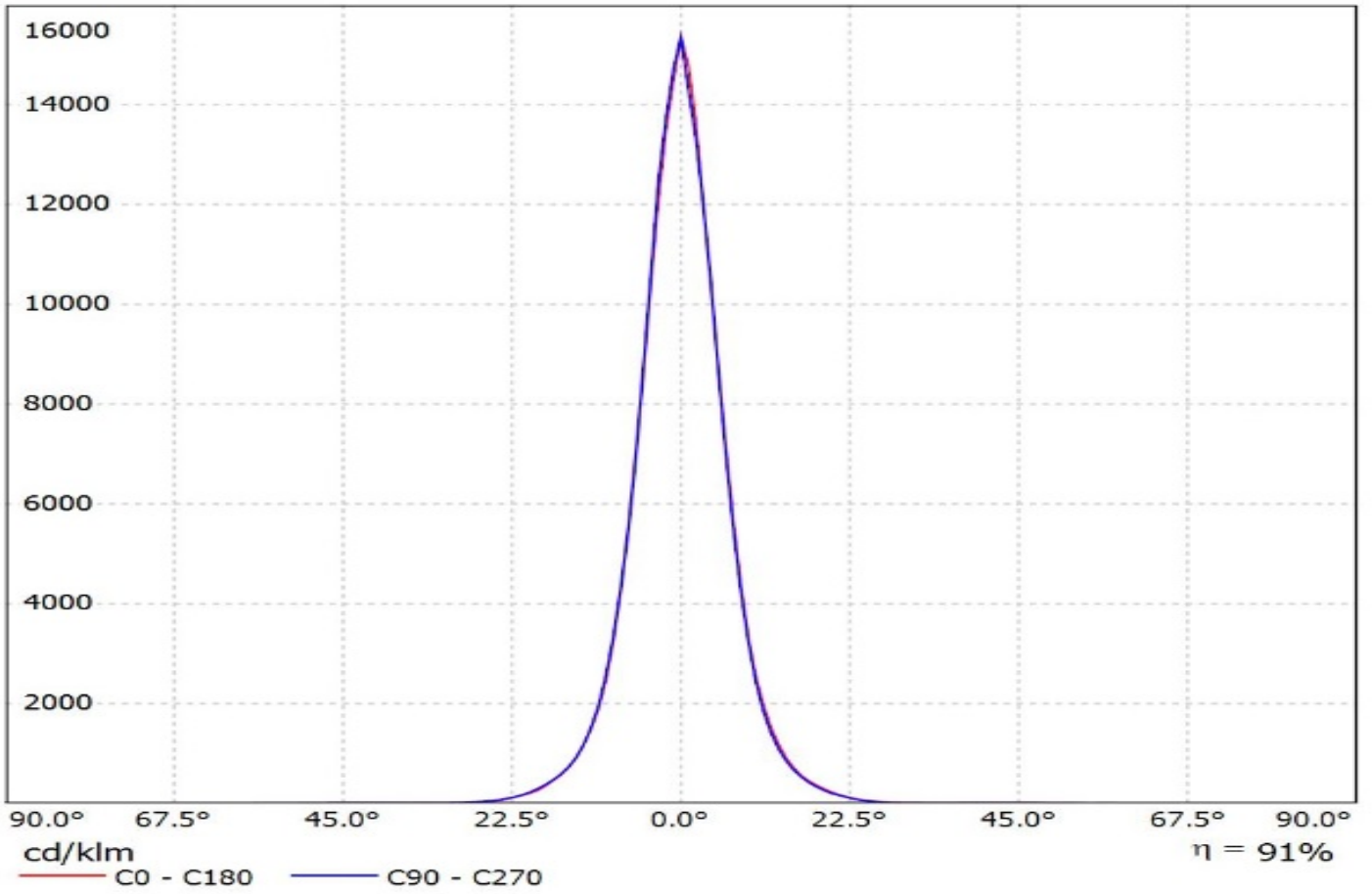




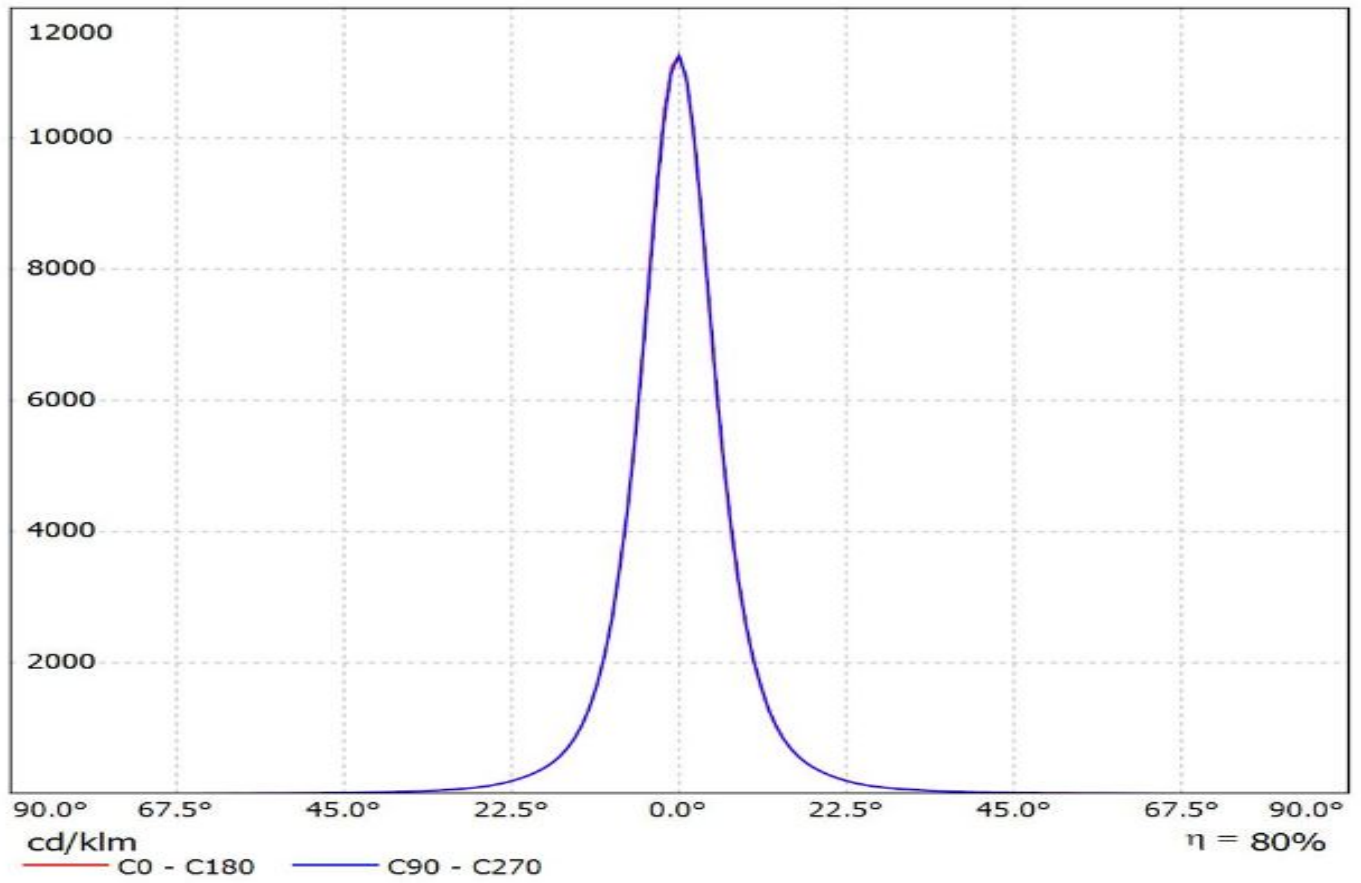
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Luxeon\_T)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon T



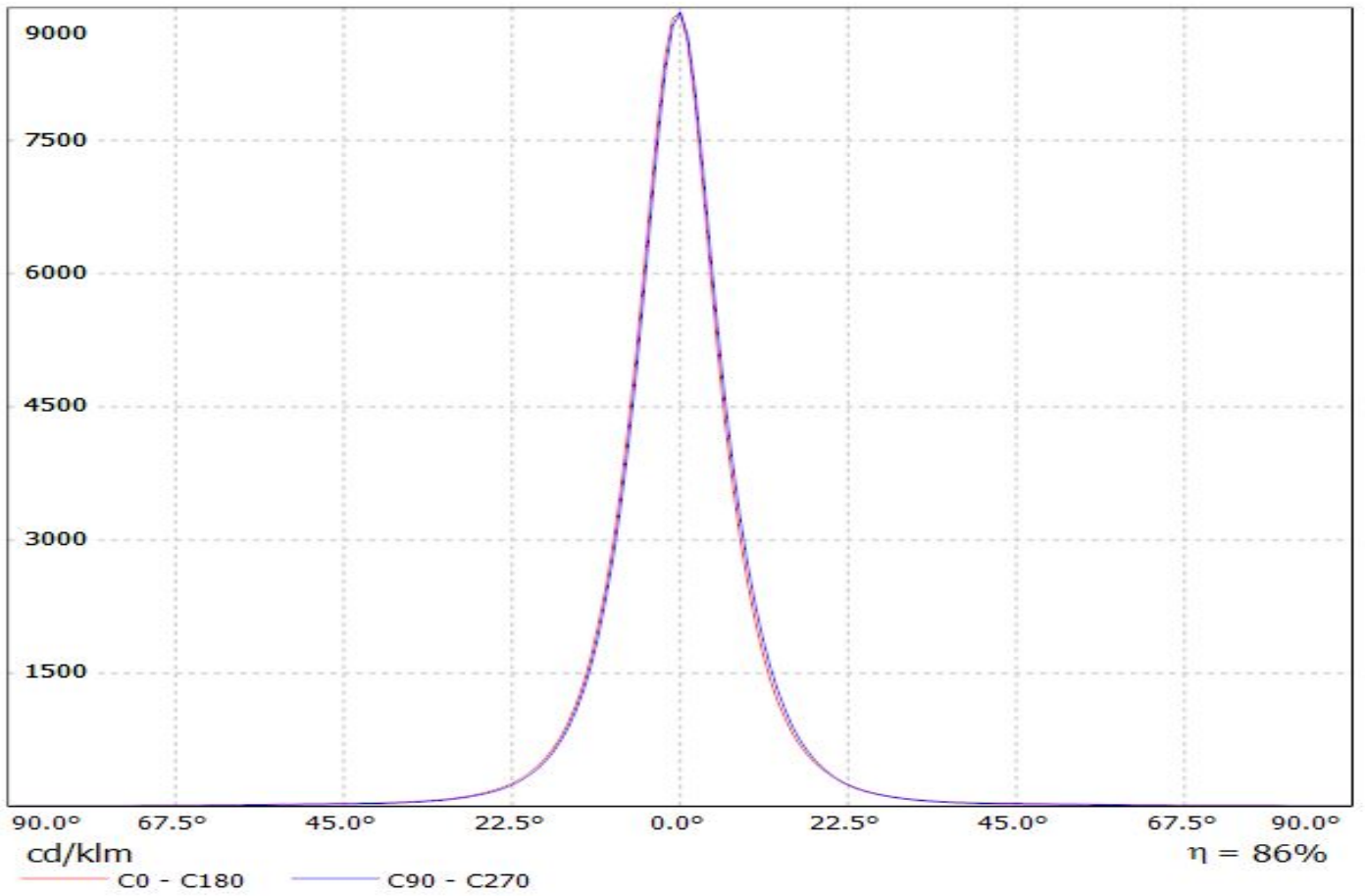
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Luxeon\_TX)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon TX



Luminaire: Ledil CA14507\_G2-LXP2-D-P\_(LUXEON\_C)  
Lamps: 1 x LUXEON\_C\_white\_85.7286lm@250mA\_P=0.7463W\_I=0.250A

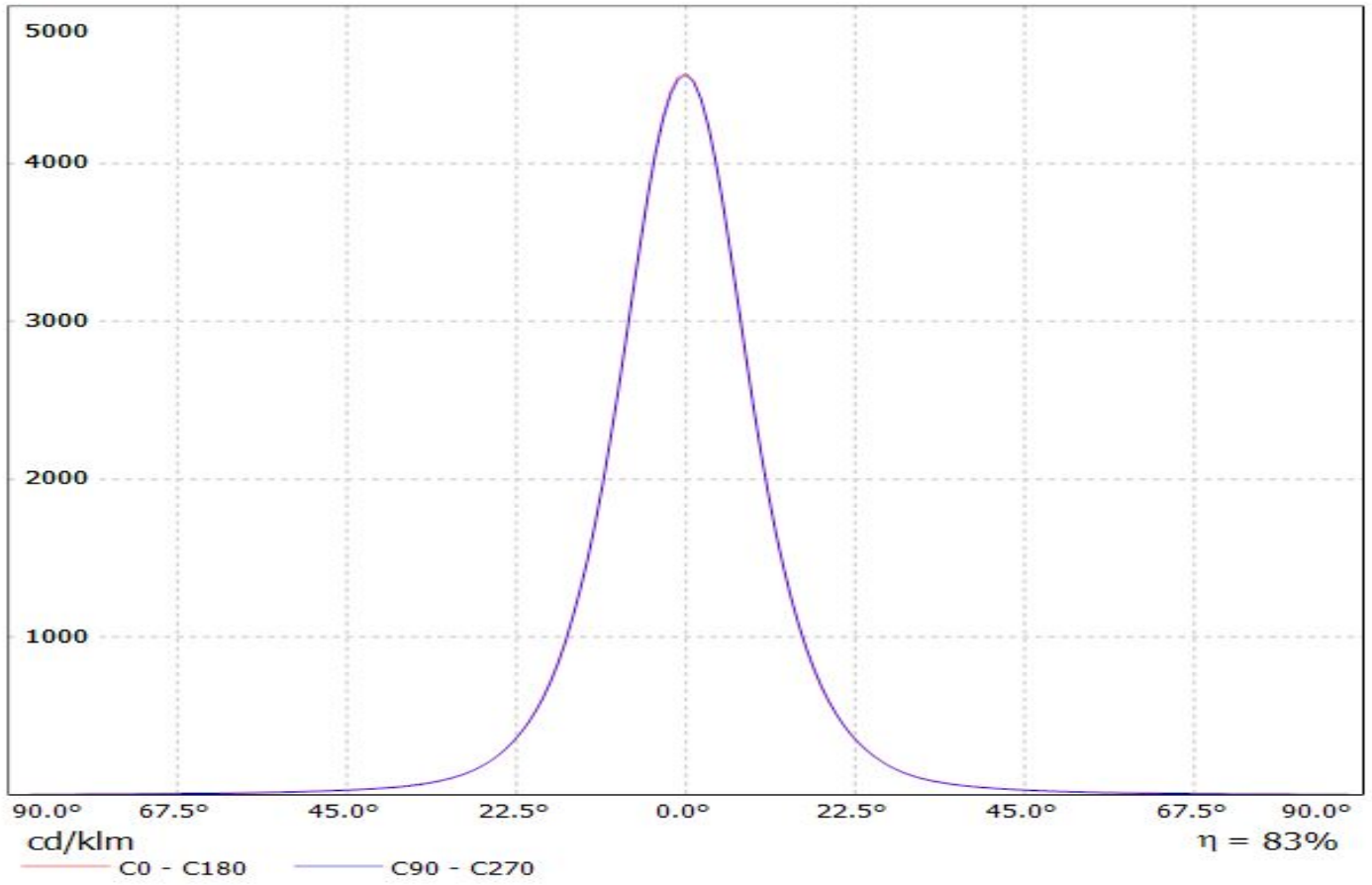


Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(Nichia\_NCSxx19A)  
Lamps: 1 x Nichia\_NCSxx19A\_66.5093lm@250mA\_P=0.78701W\_I=0.2499A



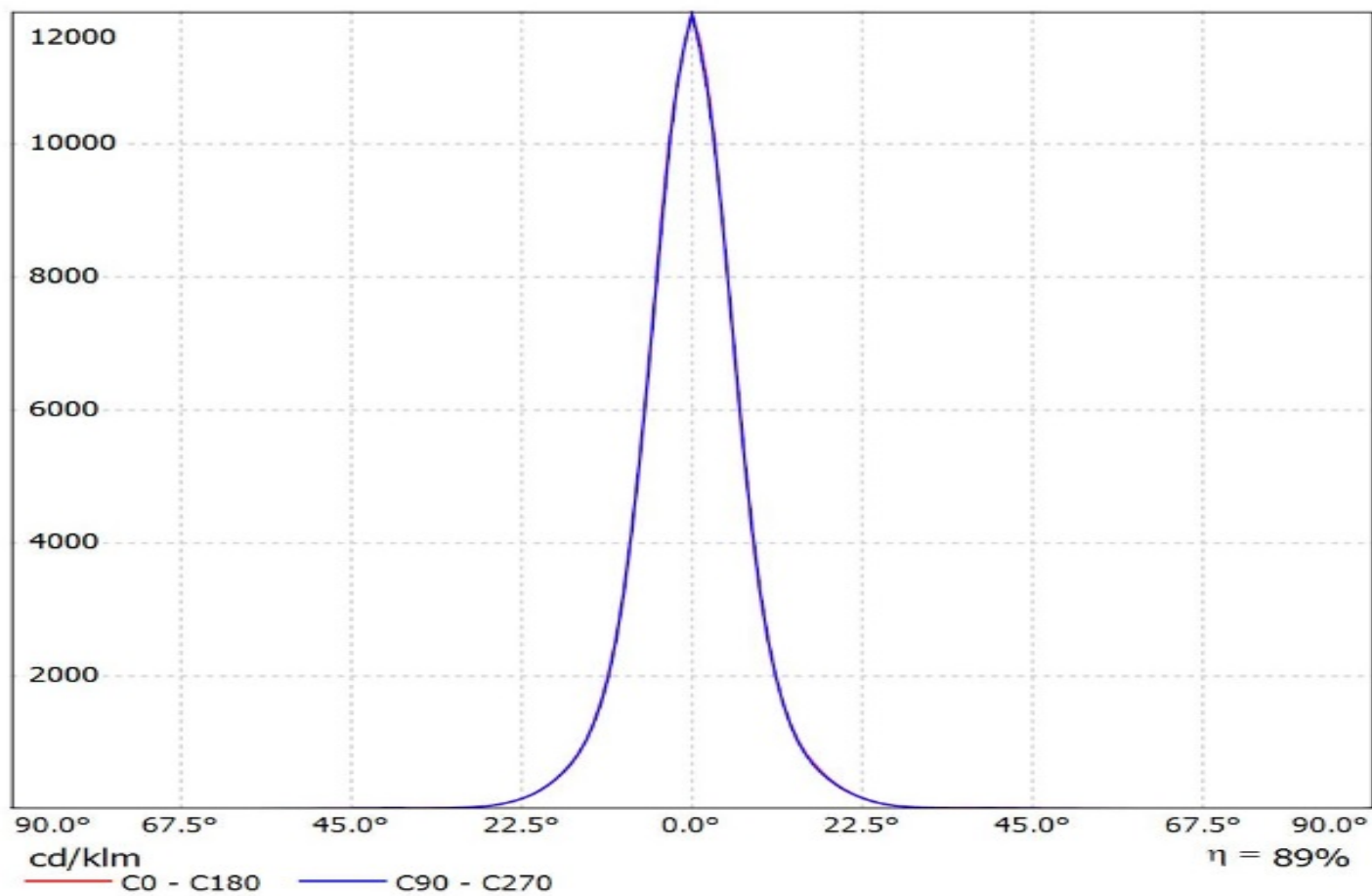
Luminaire: LEDiL Oy CA14507\_G2-LXP2-D\_(NWSL229AE)

Lamps: 1 x Nichia\_NWSL229AE\_120.54lm@250mA\_P=0.7128W\_I=0.250A



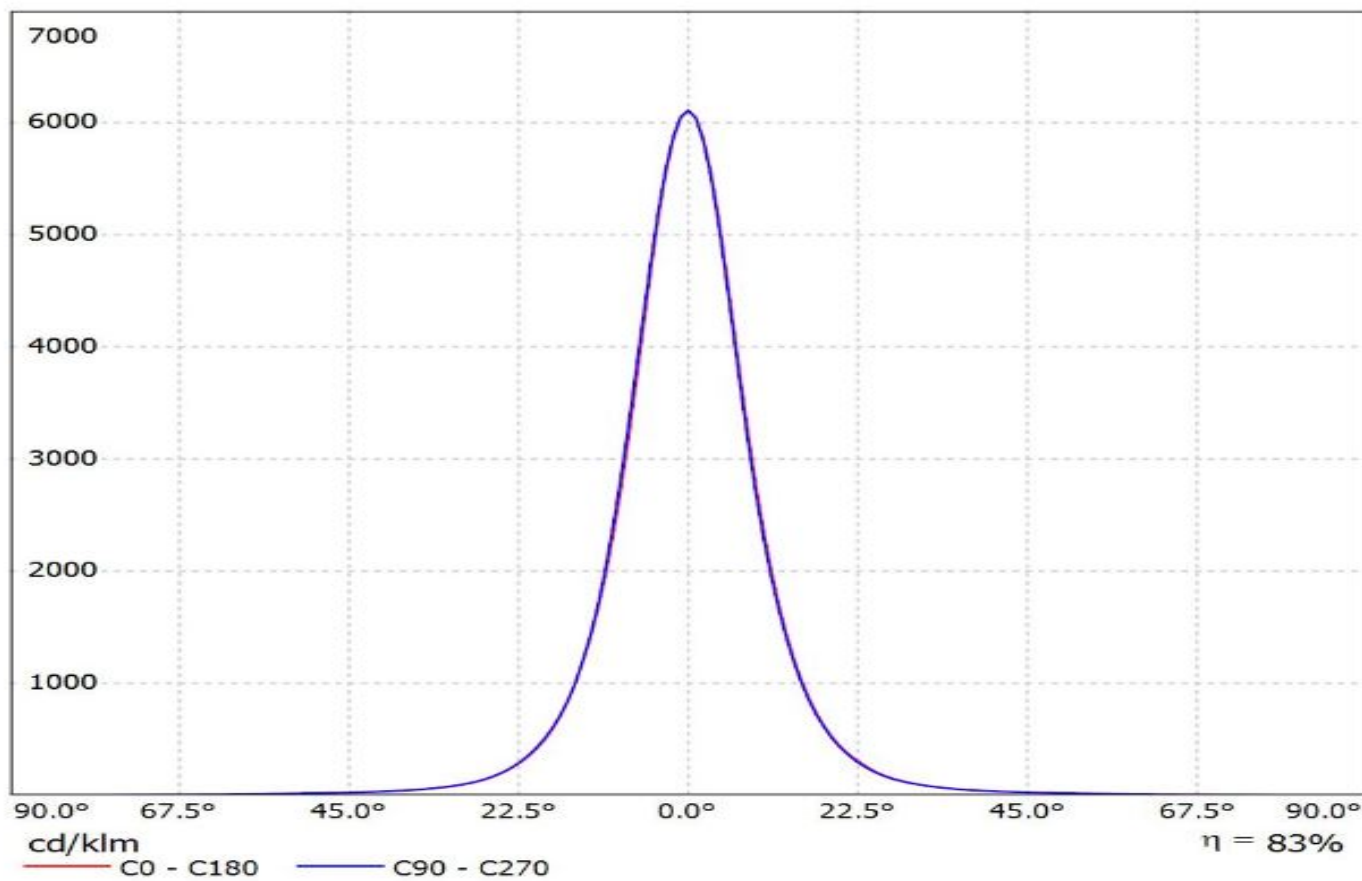
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(NV5xx19B)\_SIMULATED

Lamps: 1 x Nichia NV5xx19V (NVSW219B)

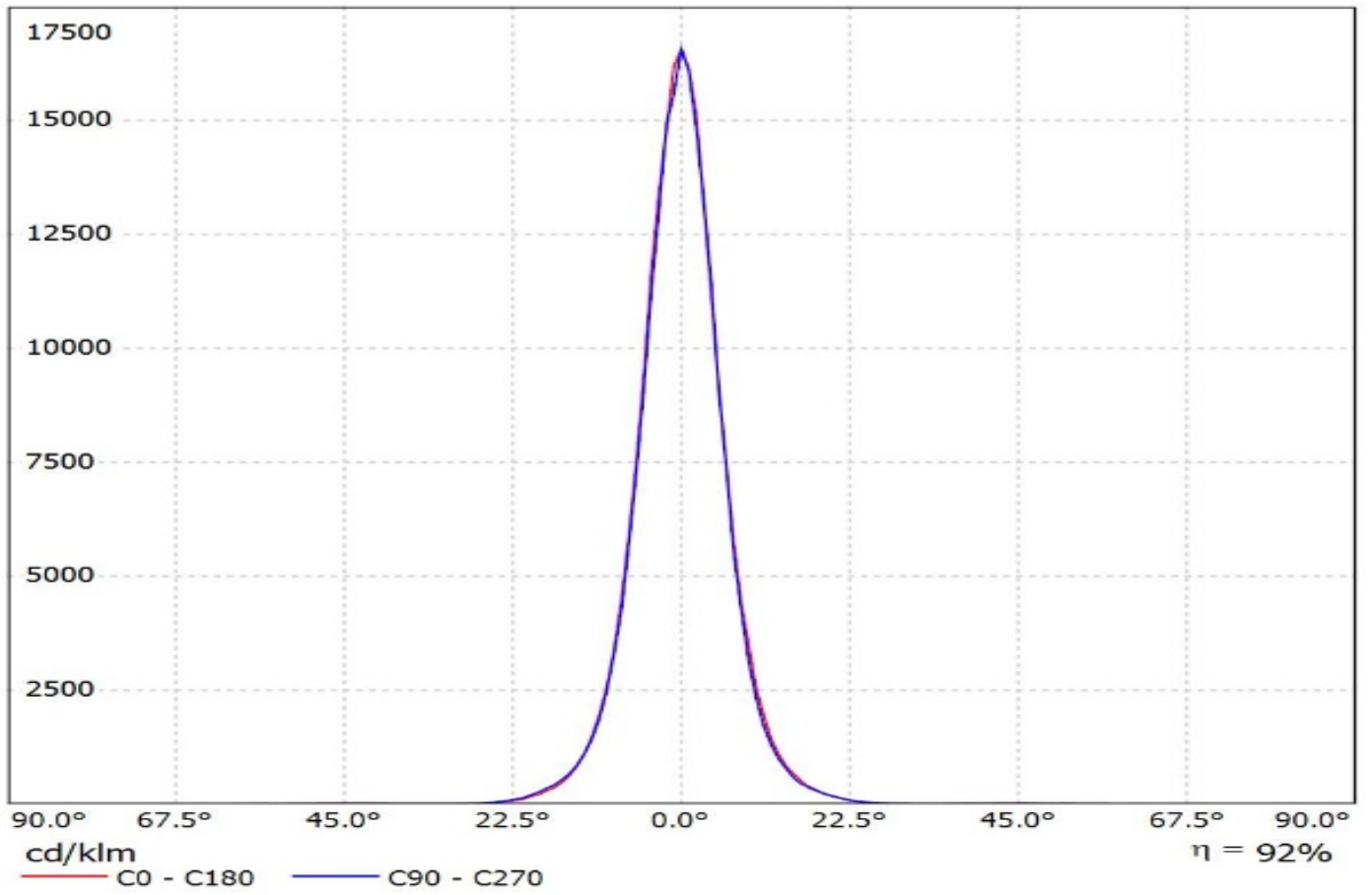


Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(NVSW3x9A)

Lamps: 1 x Nichia\_NVSW3x9A\_(sm405/R70)\_122.334lm@250mA\_P=0.705435W\_I=0.250A

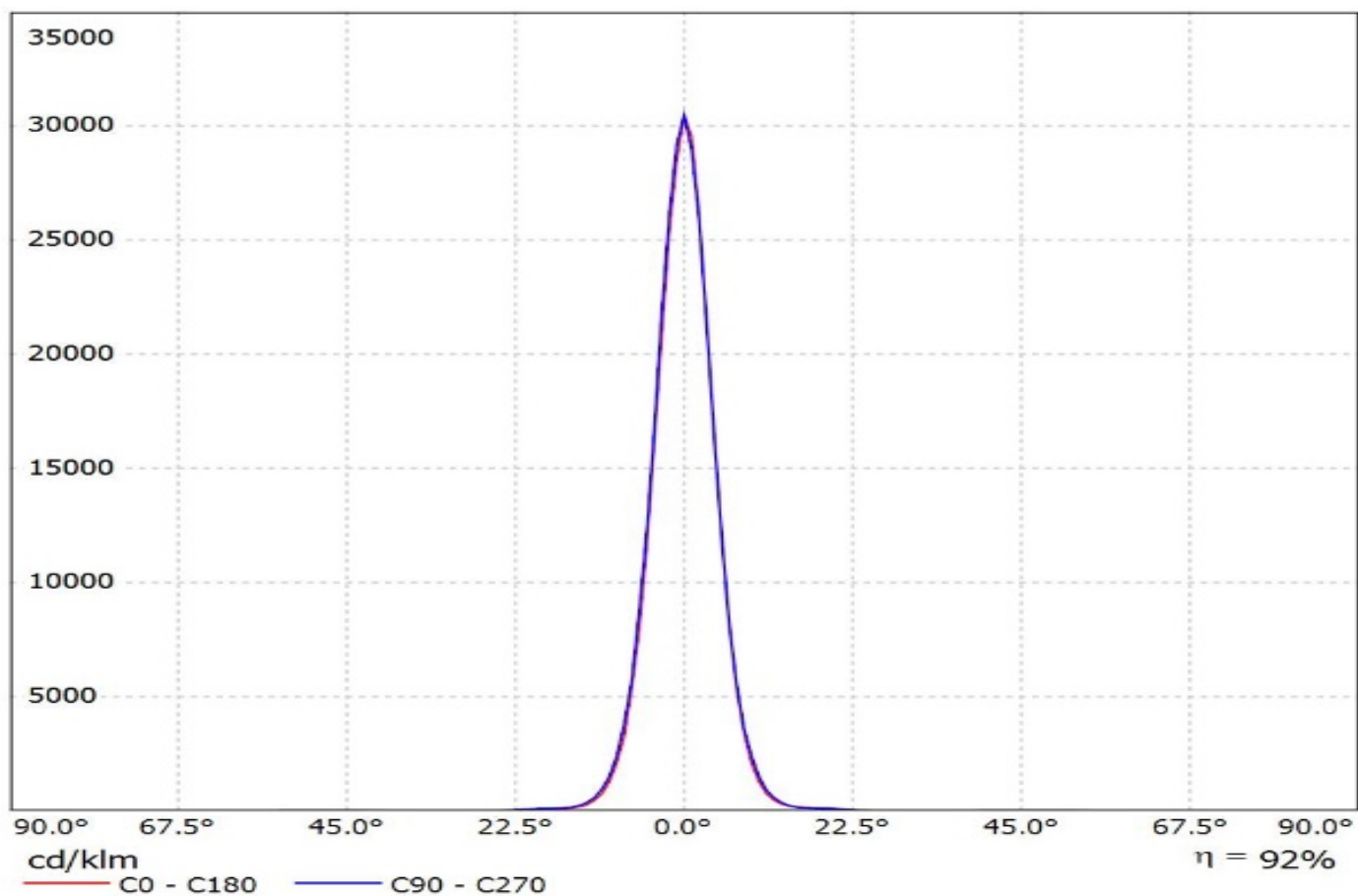


Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Oslon\_Square\_Gen3)\_SIMULATED  
Lamps: 1 x Osram Oslon Square Gen 3 (GW\_CSSRM2.PC)



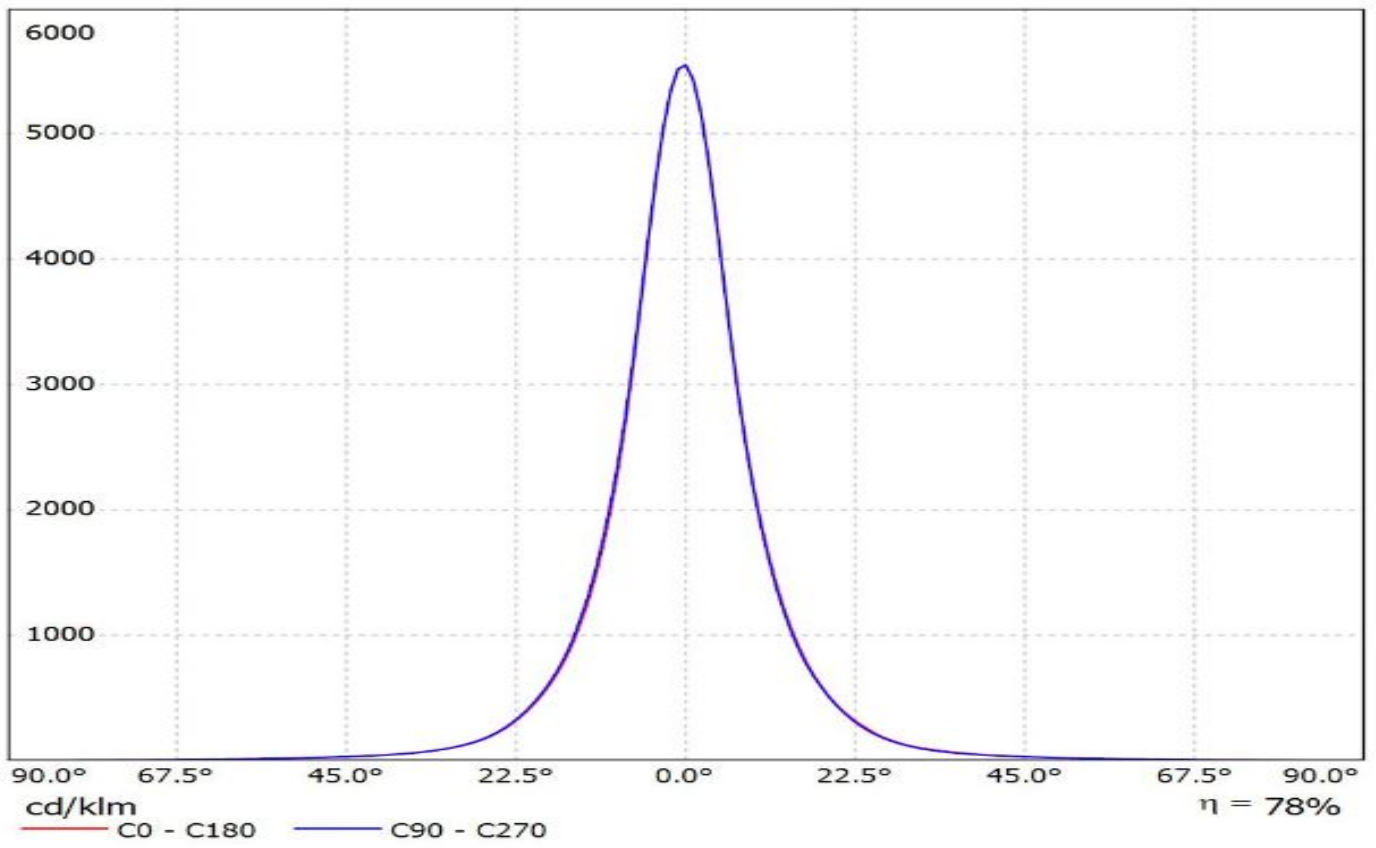


Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Oslon\_SSL\_80)\_SIMULATED  
Lamps: 1 x Osram Oslon SSL 80 (LA CP7P)

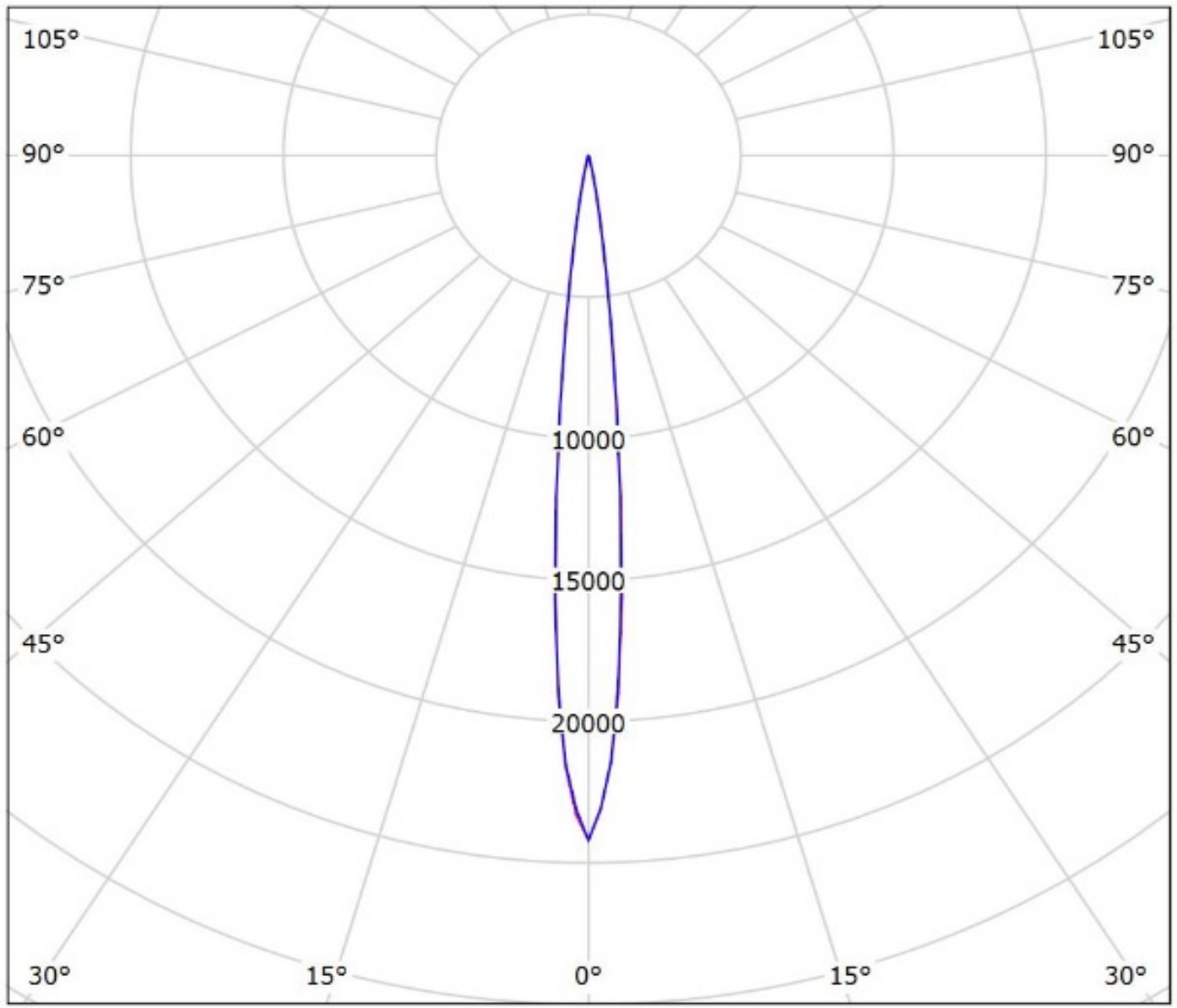


Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(Z8Y22plus)

Lamps: 1 x Seoul\_Z8Y22plus\_(W6E2G)\_125.652lm@250mA\_P=0.69312W\_I=0.250A



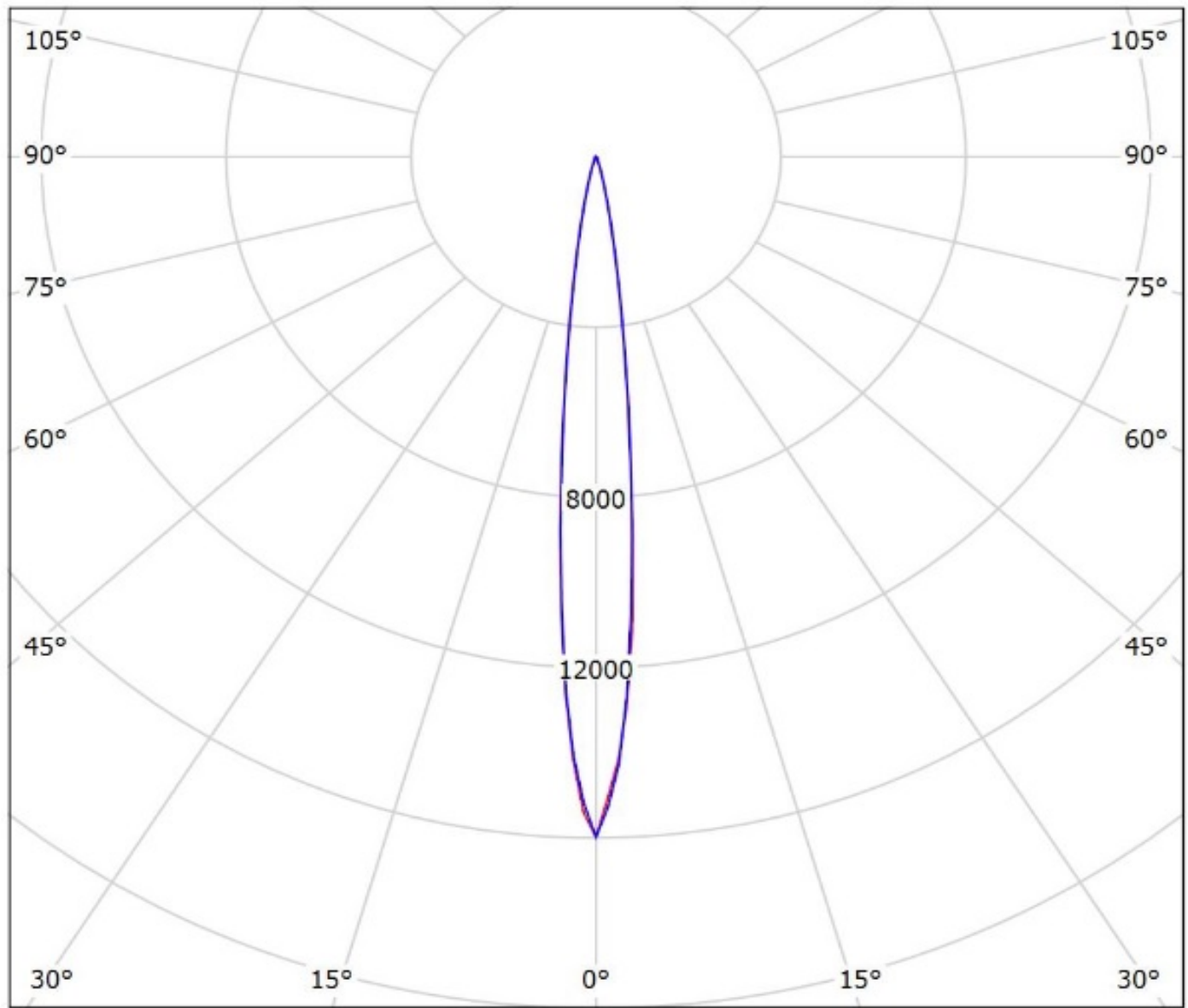
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_XP-G2\_SIMULATED  
Lamps: 1 x CREE XP-G2



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(XT-E)\_SIMULATED  
Lamps: 1 x Cree XT-E

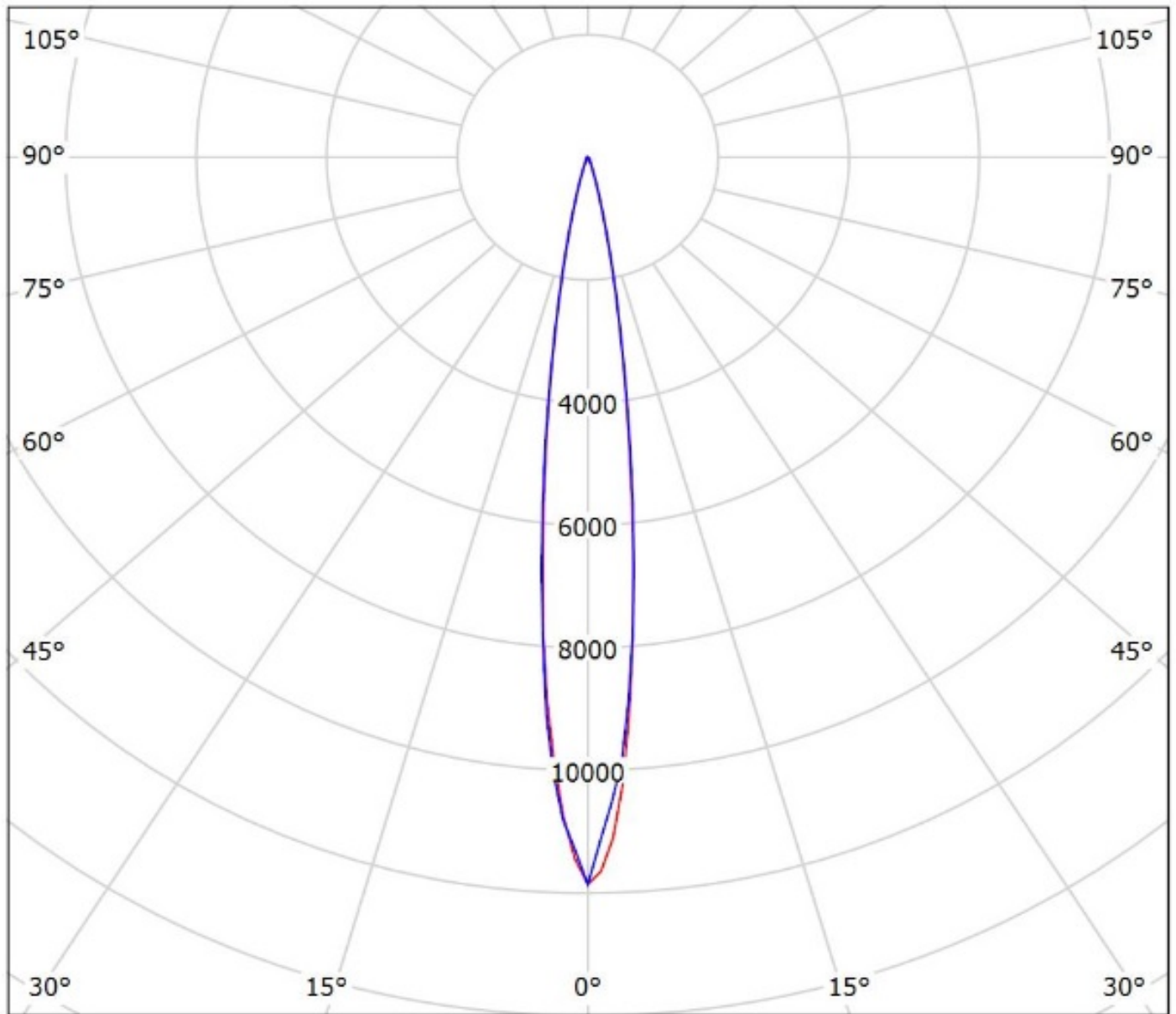


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 90\%$

Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(XP-G3)\_SIMULATED

Lamps: 1 x Cree XP-G3

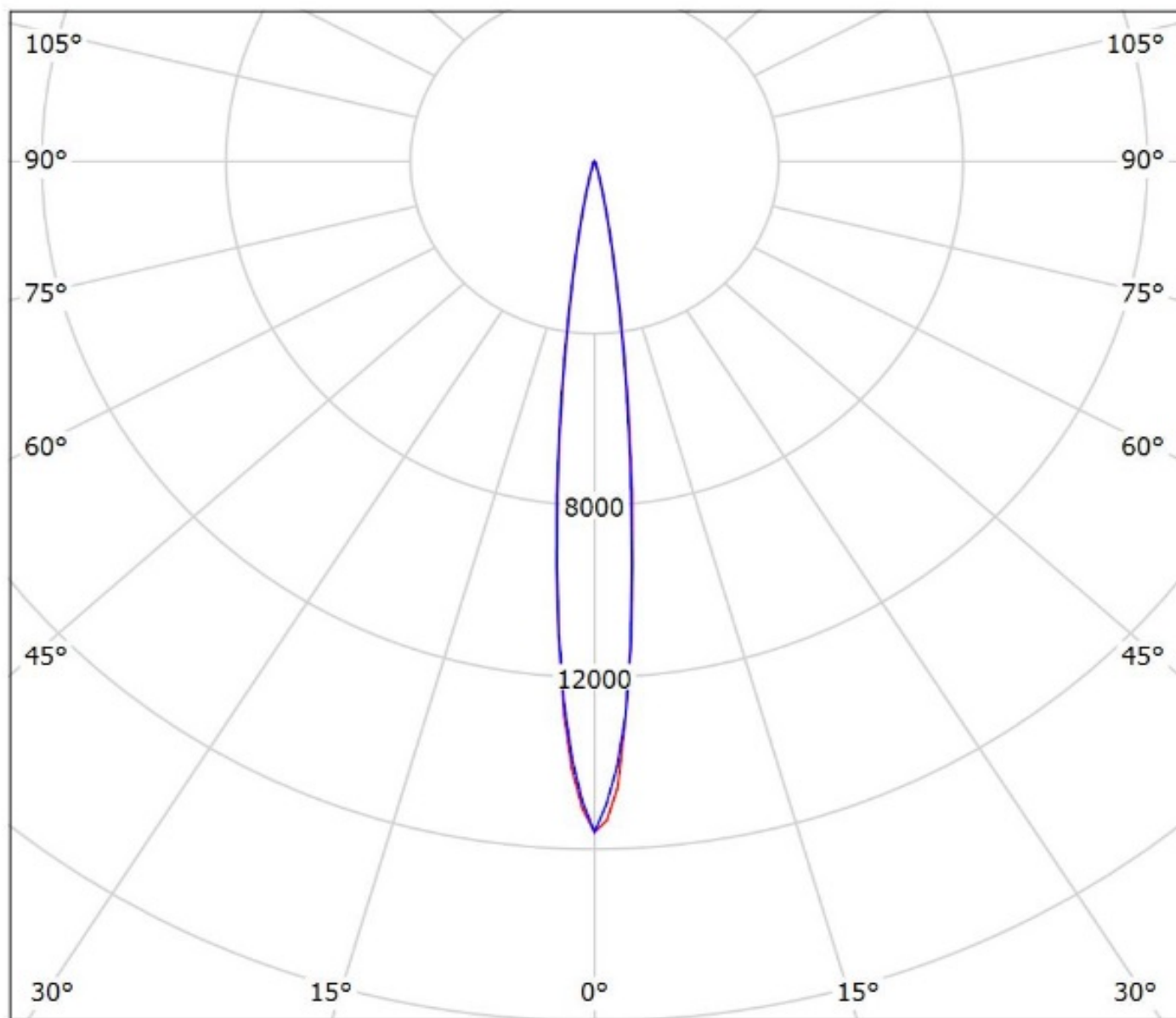


cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(LG\_H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1

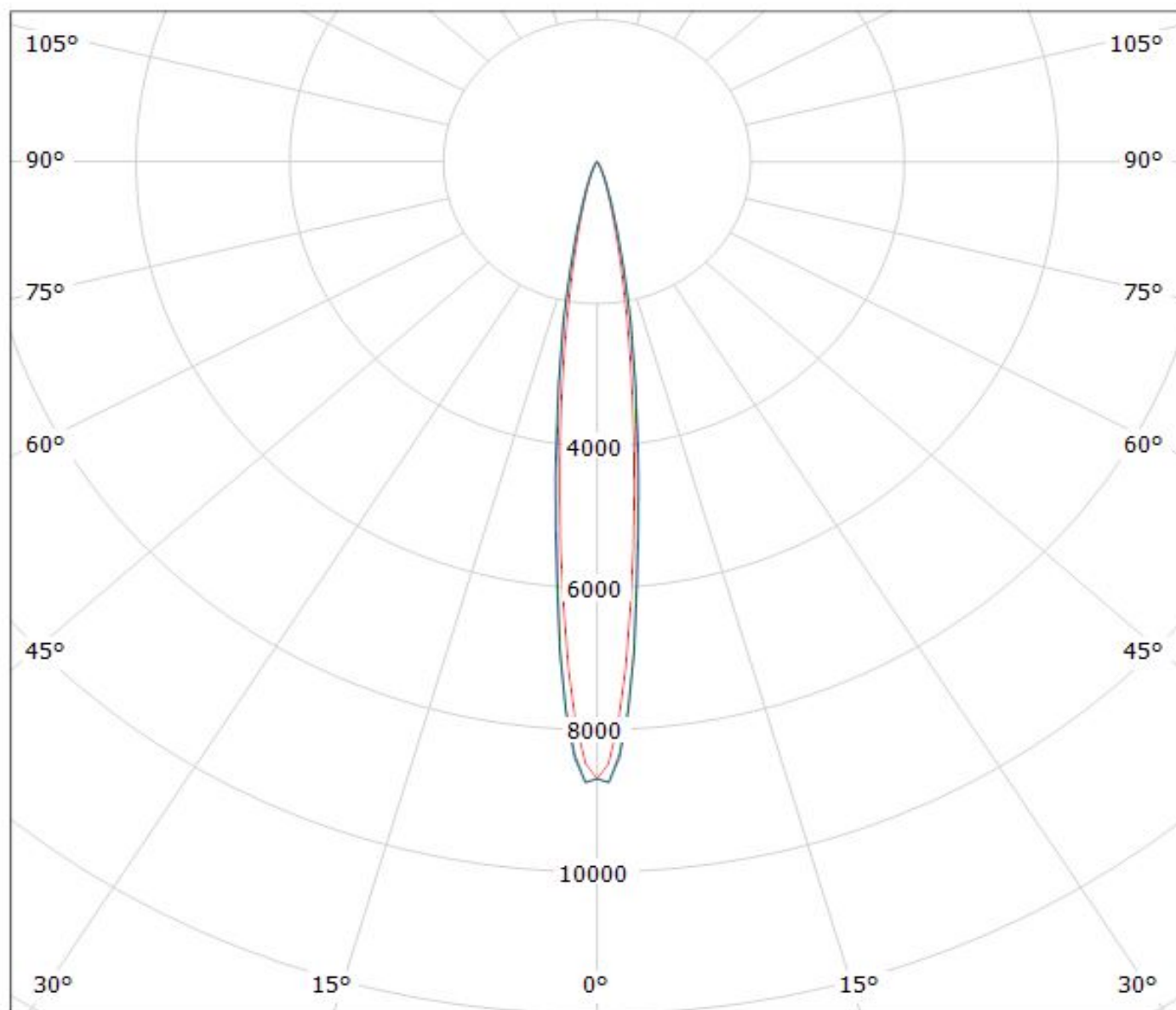


cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy  
Lamps: 1 x CA14507\_G2-LXP2-D-P\_(LUXEON\_Z-ES)



cd/klm

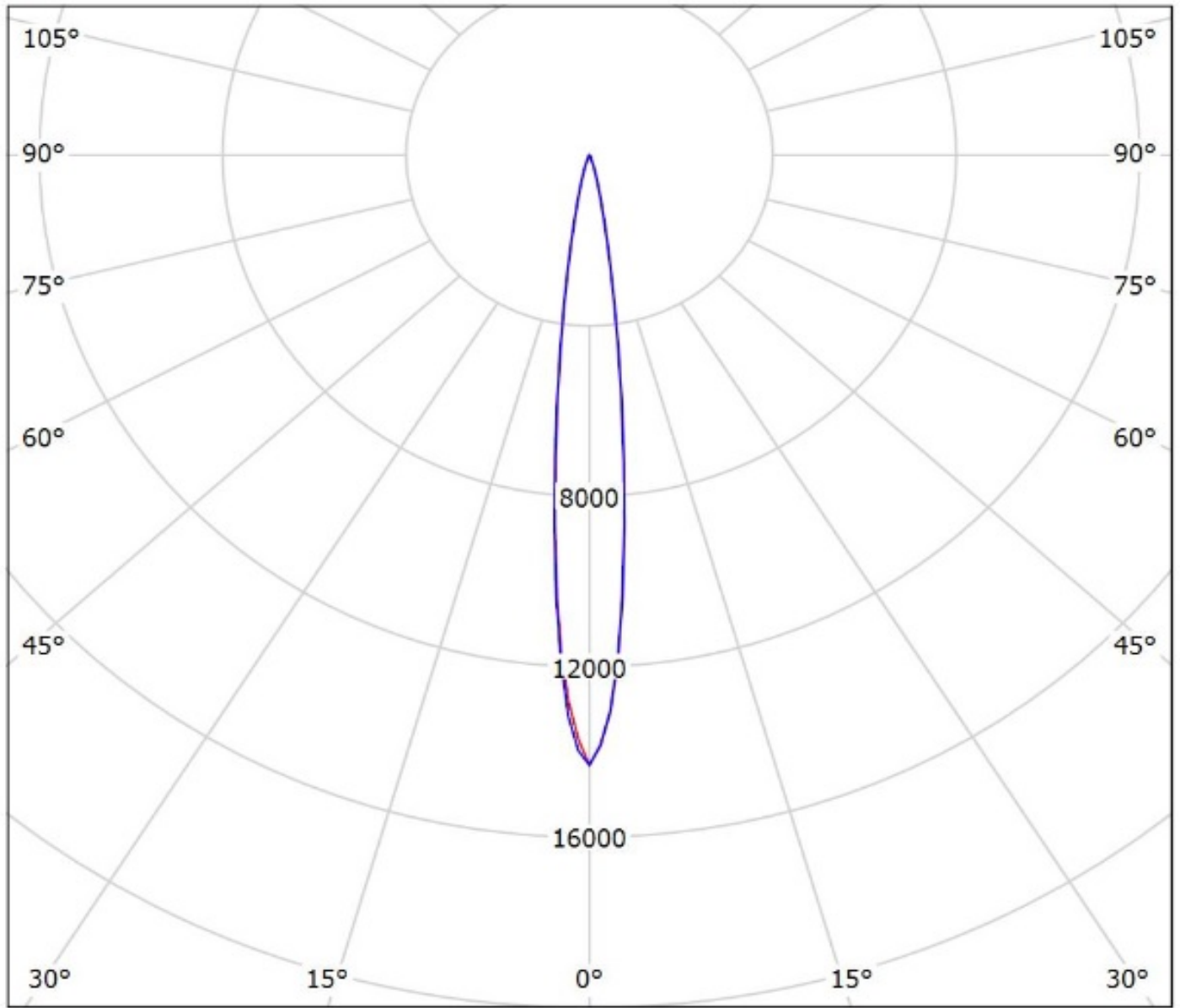
— C0 - C180

— C90 - C270

— C76 - C256

$\eta = 83\%$

Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Luxeon\_T)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon T



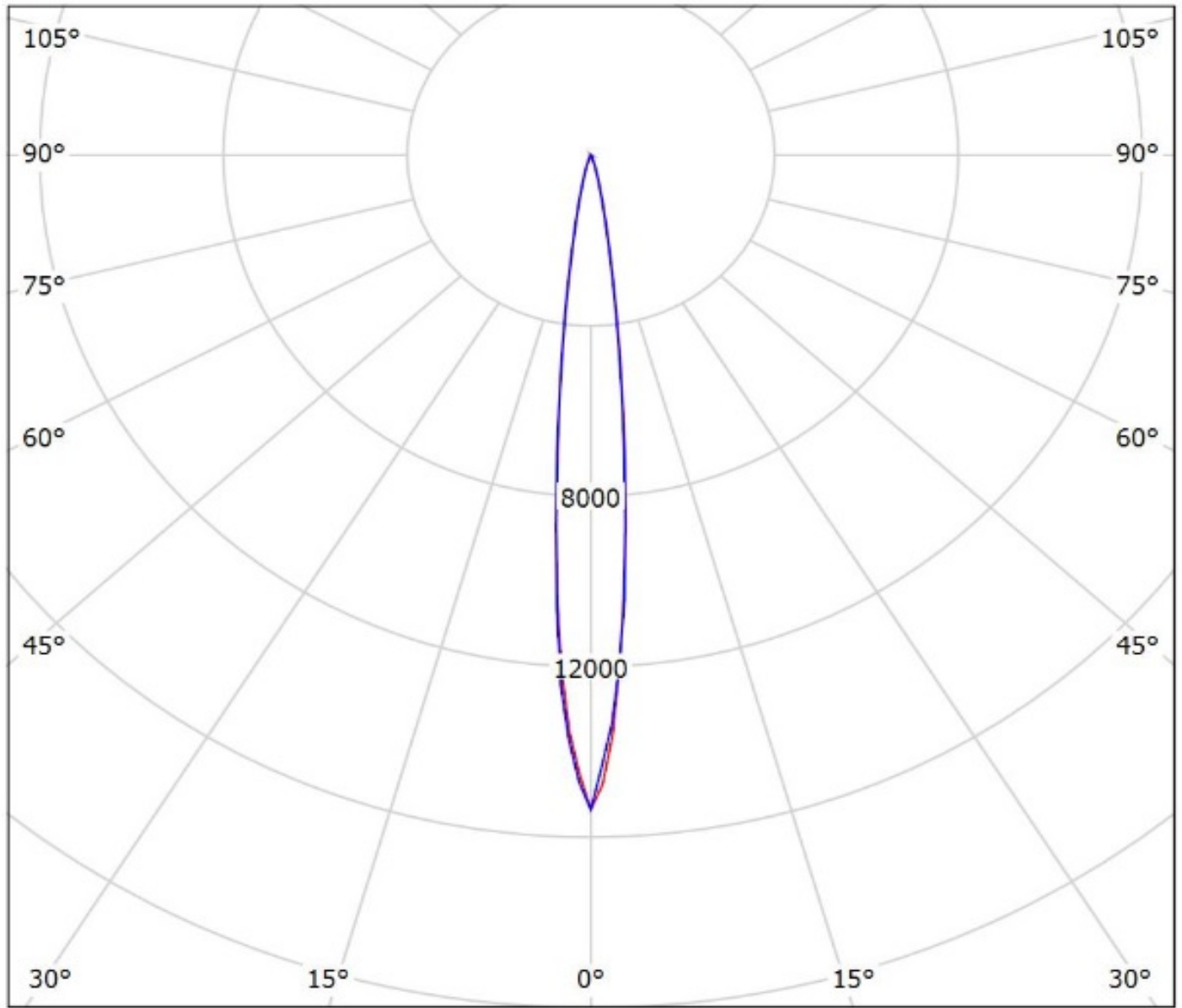
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$



Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Luxeon\_TX)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon TX



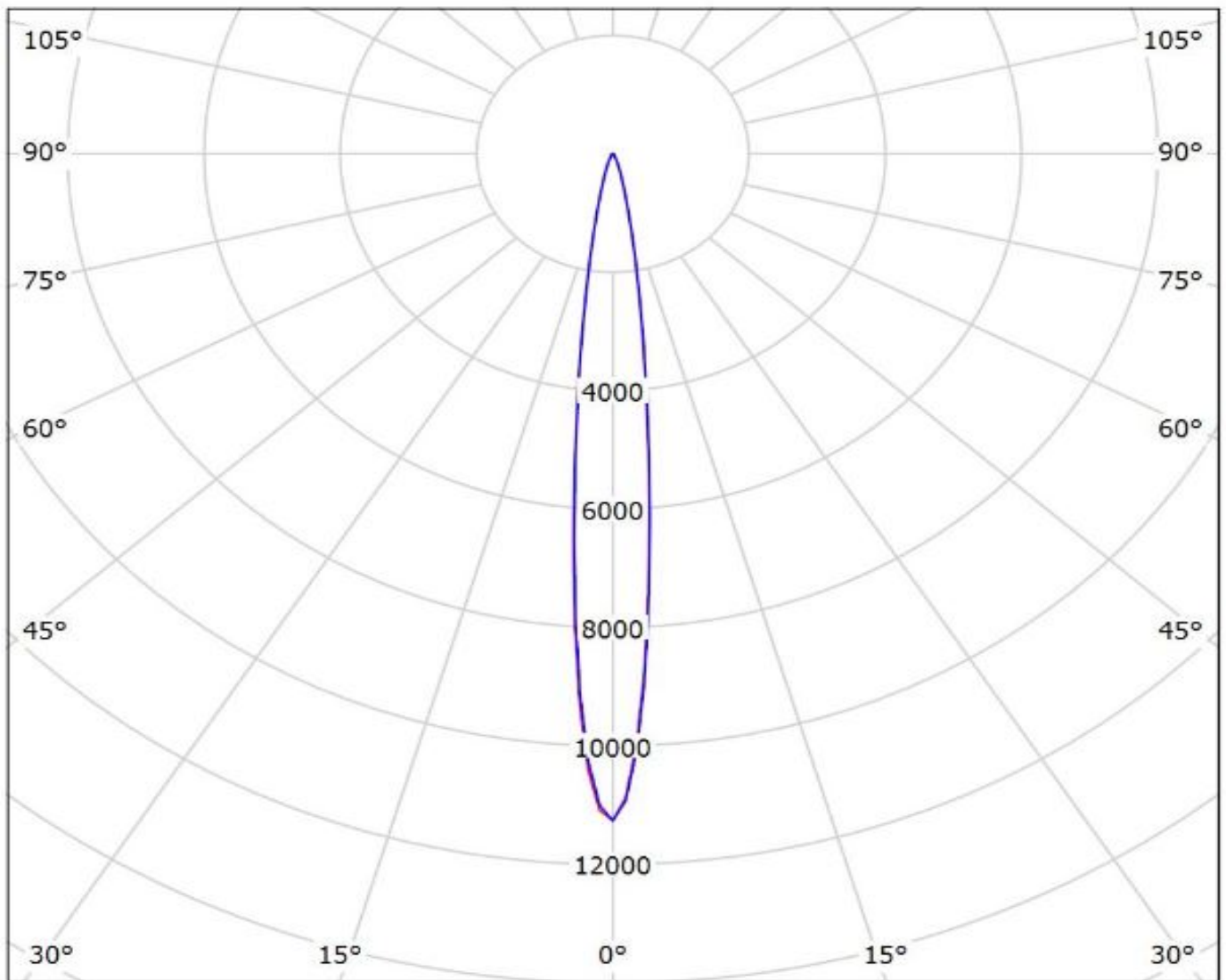
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil CA14507\_G2-LXP2-D-P\_(LUXEON\_C)

Lamps: 1 x LUXEON\_C\_white\_85.7286lm@250mA\_P=0.7463W\_I=0.250A



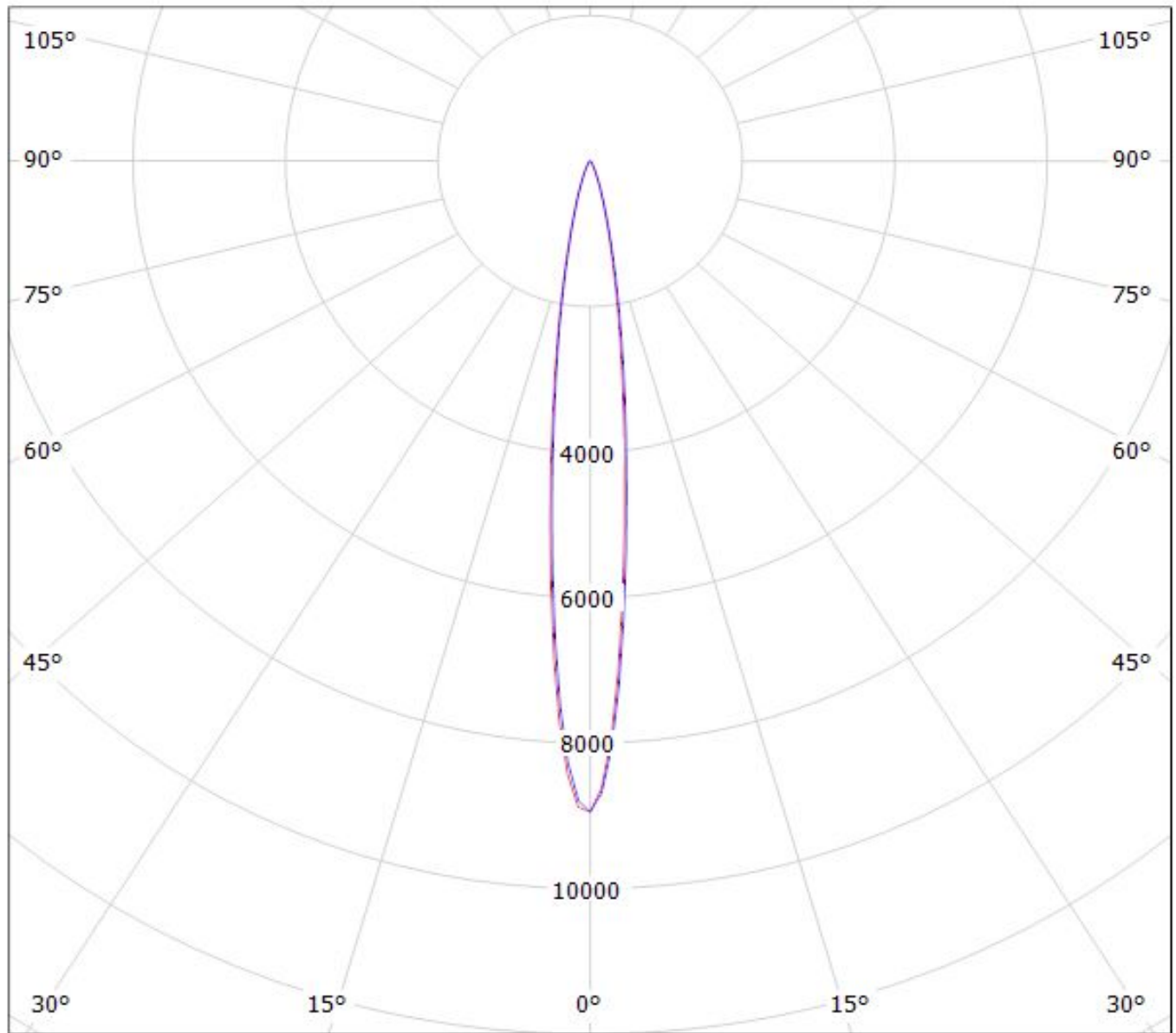
cd/klm

— C0 - C180 — C90 - C270

$\eta = 80\%$

Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(Nichia\_NCSxx19A)

Lamps: 1 x Nichia\_NCSxx19A\_66.5093lm@250mA\_P=0.78701W\_I=0.2499A



cd/klm

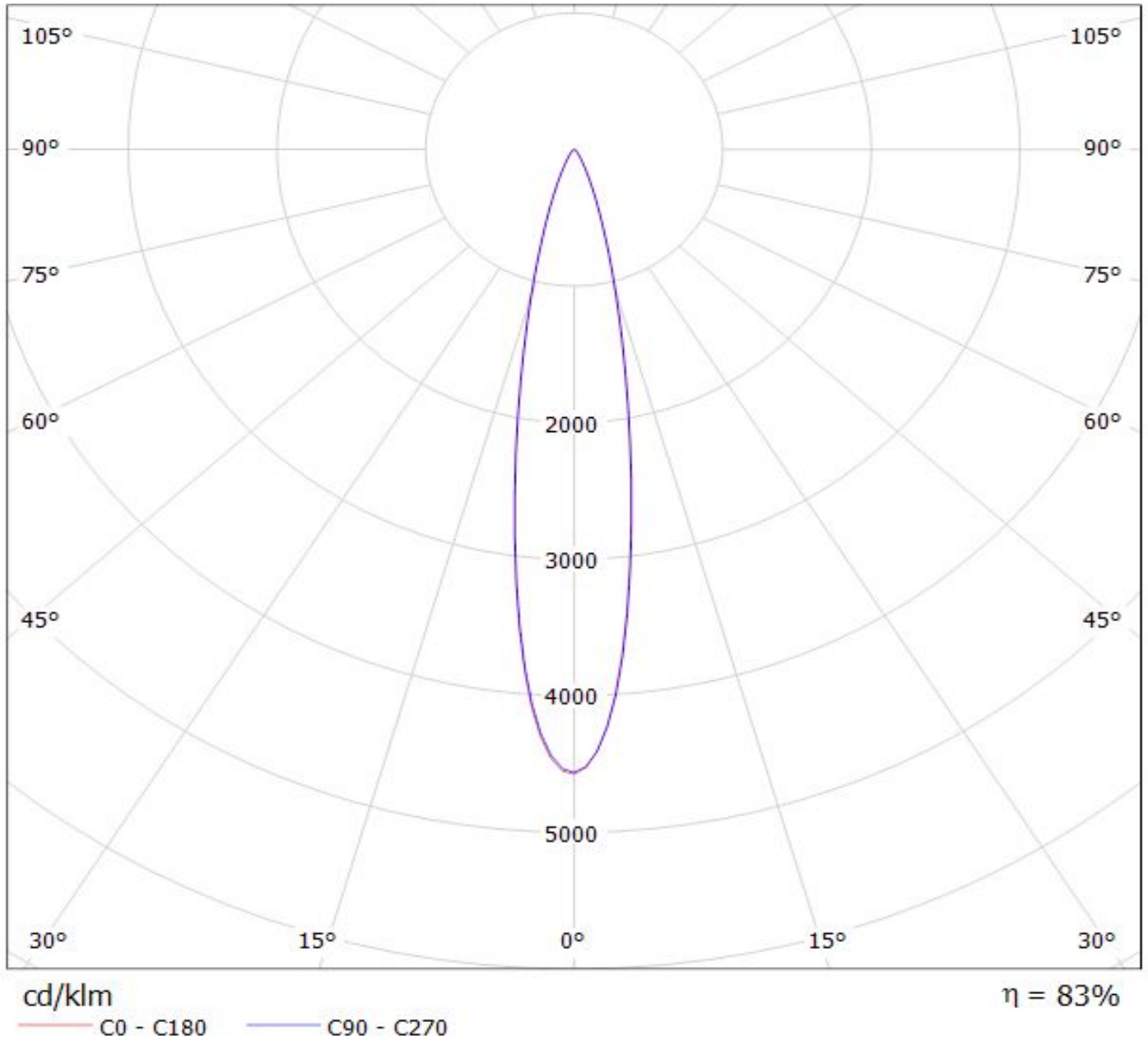
— C0 - C180

— C90 - C270

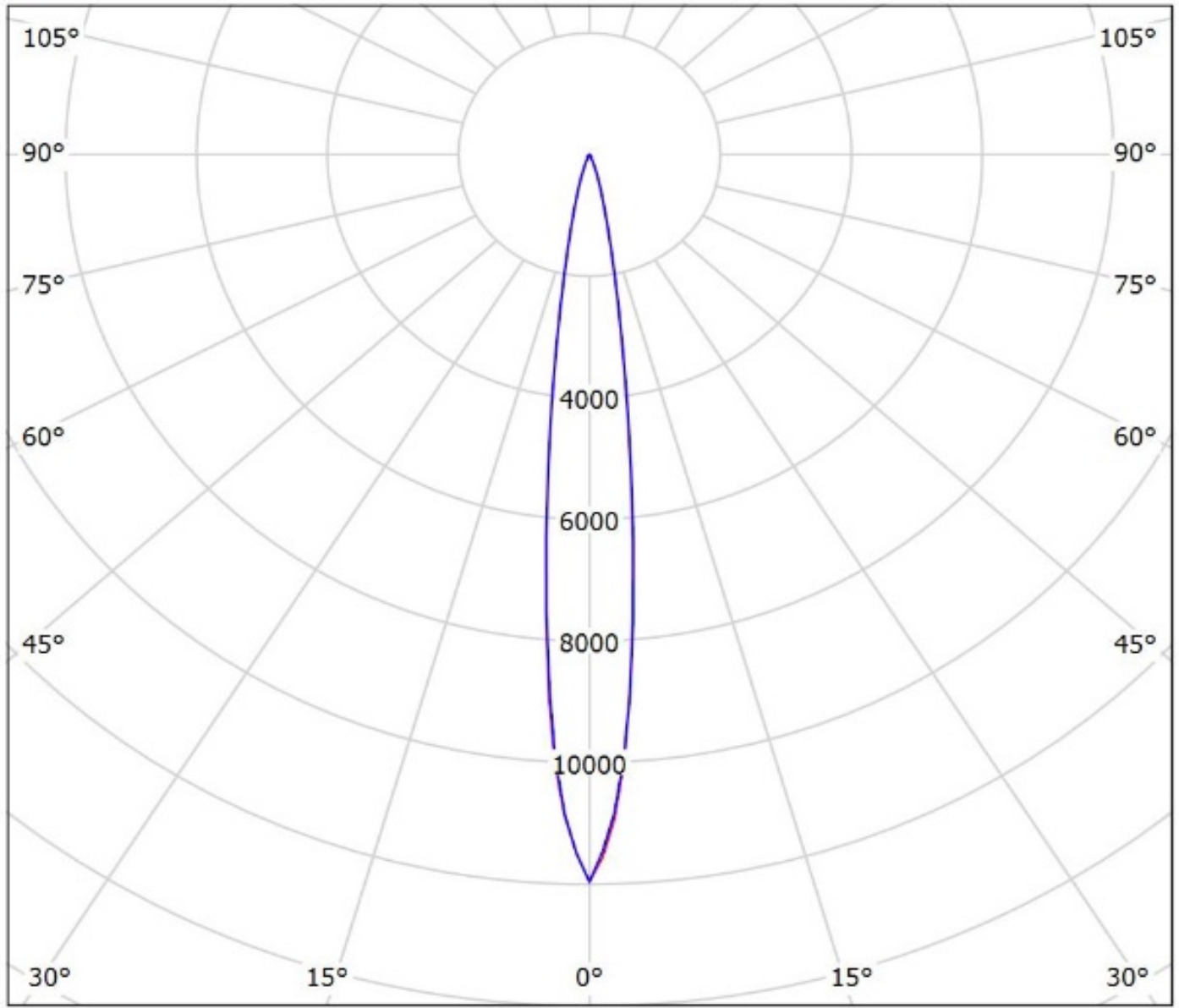
$\eta = 86\%$

Luminaire: LEDiL Oy CA14507\_G2-LXP2-D\_(NWSL229AE)

Lamps: 1 x Nichia\_NWSL229AE\_120.54lm@250mA\_P=0.7128W\_I=0.250A



Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(NVSxx19B)\_SIMULATED  
Lamps: 1 x Nichia NVSxx19V (NVSW219B)

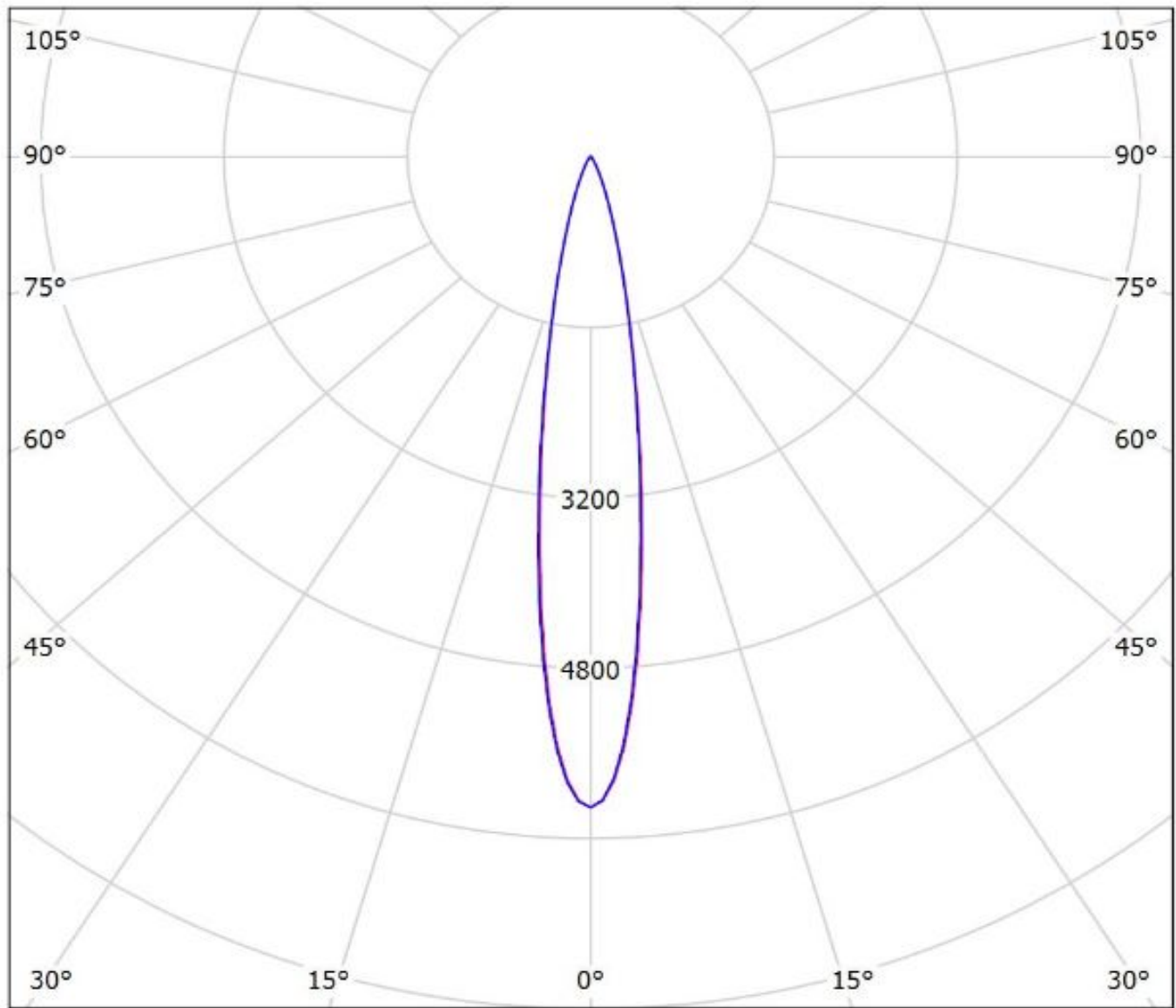


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(NVSW3x9A)

Lamps: 1 x Nichia\_NVSW3x9A\_(sm405/R70)\_122.334lm@250mA\_P=0.705435W\_I=0.250A

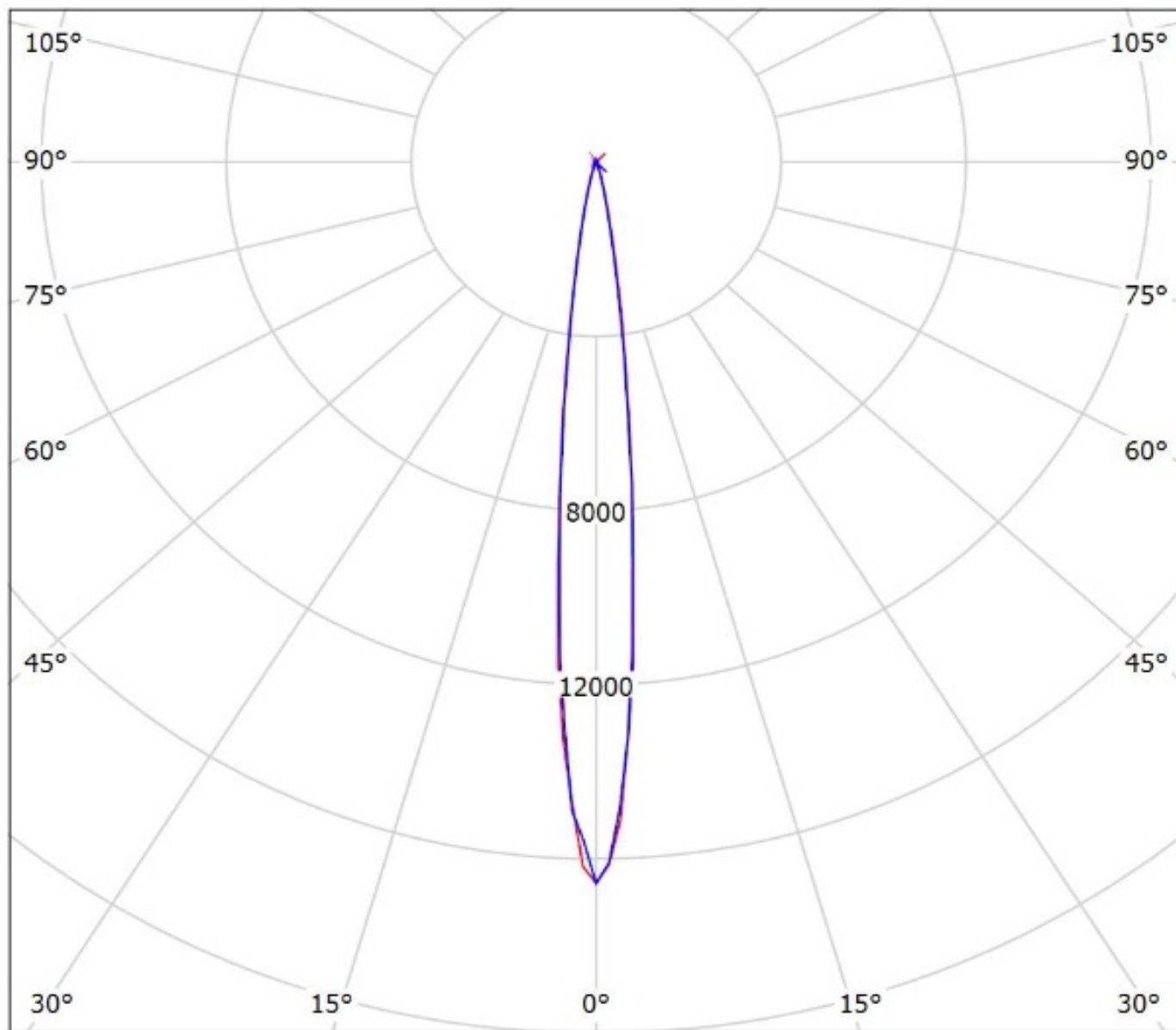


cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

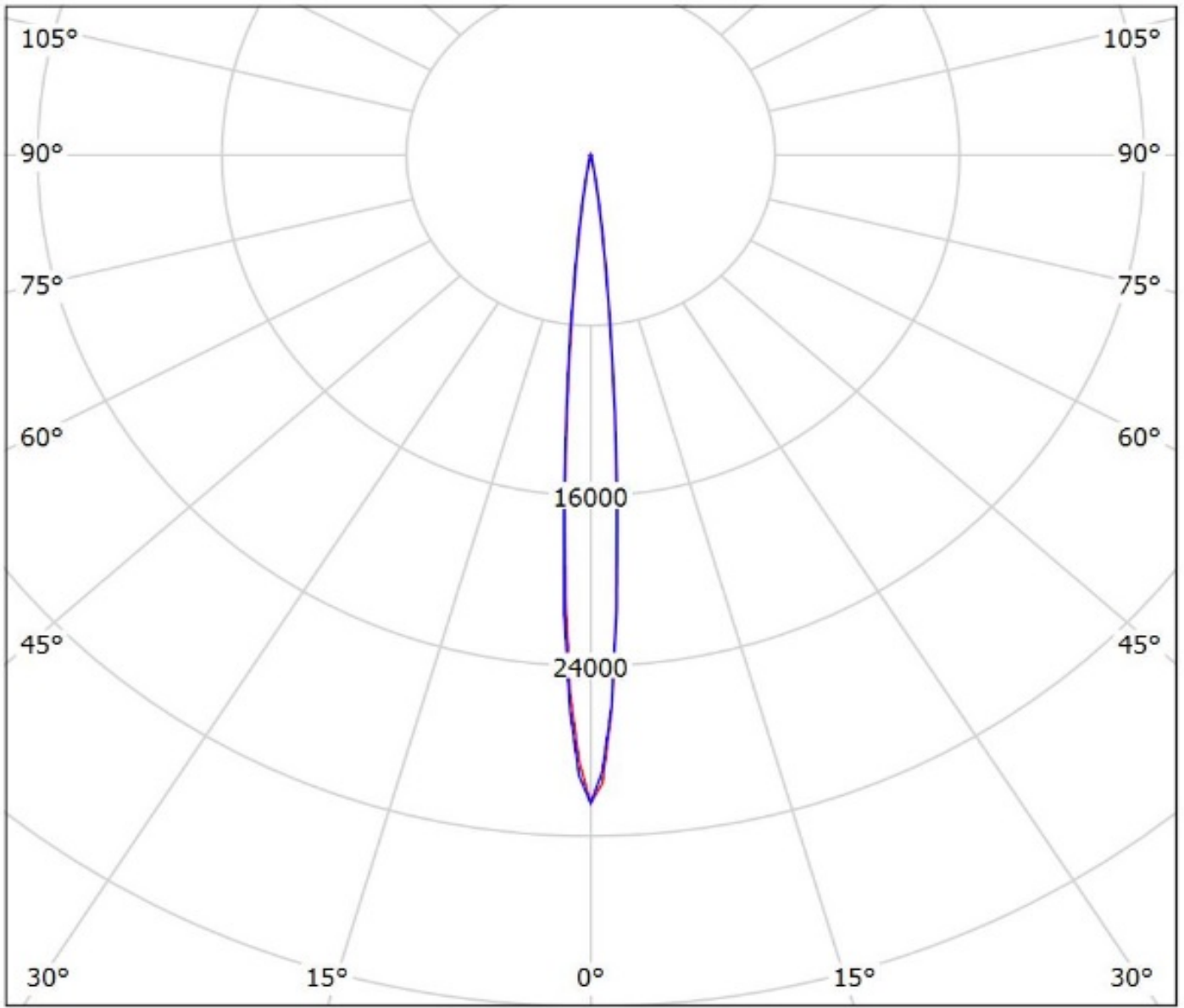
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Oslon\_Square\_Gen3)\_SIMULATED  
Lamps: 1 x Osram Oslon Square Gen 3 (GW\_CSSRM2.PC)



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 92\%$

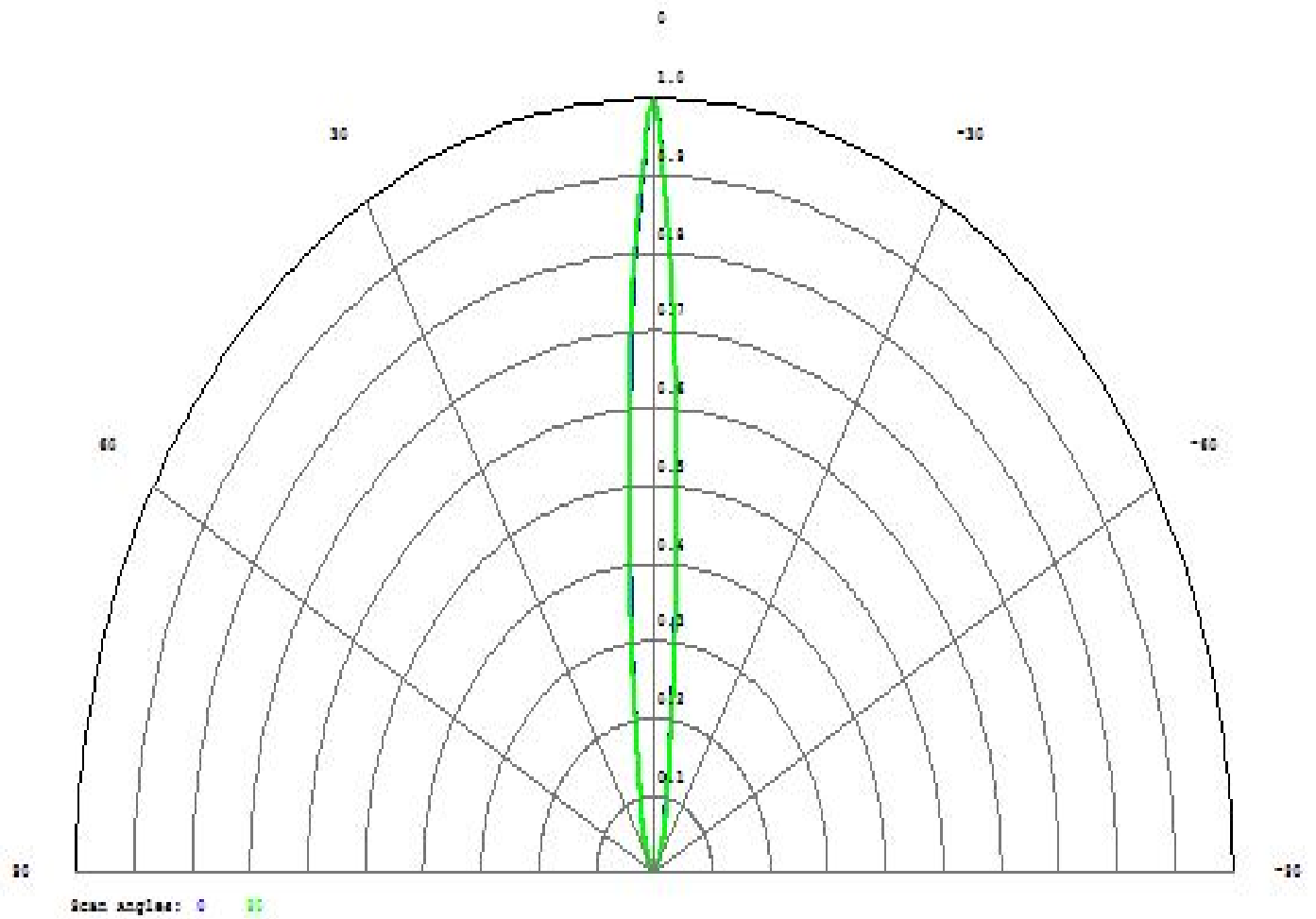
Luminaire: Ledil Oy CA14507\_G2-LXP2-D-P\_(Oslon\_SSL\_80)\_SIMULATED  
Lamps: 1 x Osram Oslon SSL 80 (LA CP7P)



cd/klm  
— C0 - C180 — C90 - C270

η = 92%





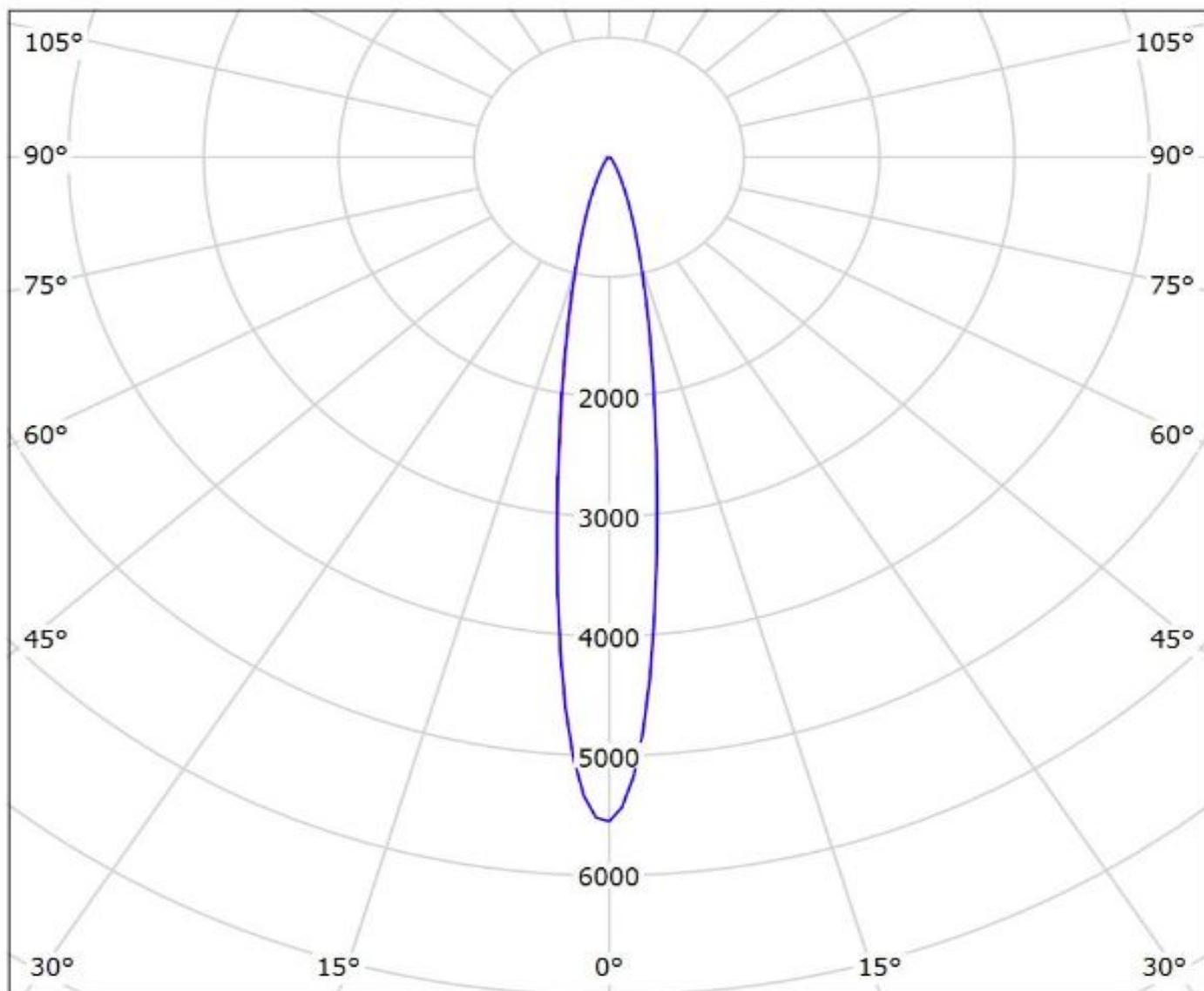
Detector Image: Radiant Intensity

8.4.2016  
 Detector 4, NSCG Surface 1:  
 Scan Angles: 0, 90  
 Peak Intensity : 1.131E+001 Watts/Steradian

CA14507\_G2-LXP2-D-P\_SFH\_4770S.ZMX  
 Configuration 1 of 1

Luminaire: LEDiL Oy CA14507\_G2-LXP2-D-P\_(Z8Y22plus)

Lamps: 1 x Seoul\_Z8Y22plus\_(W6E2G)\_125.652lm@250mA\_P=0.69312W\_I=0.250A



cd/klm

— C0 - C180 — C90 - C270

η = 78%

**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.**