

## DETAILS

|                        |                     |
|------------------------|---------------------|
| <b>Product Number</b>  | CS14130_HB-IP-2X6-W |
| <b>Family</b>          | High Bay            |
| <b>Type</b>            | Assembly            |
| <b>Color</b>           | white               |
| <b>Diameter</b>        | 173 + 71,4 mm       |
| <b>Height</b>          | 11,4 mm             |
| <b>Style</b>           | rectang             |
| <b>Optic Material</b>  | PMMA                |
| <b>Holder Material</b> |                     |
| <b>Fastening</b>       | screw, pin          |
| <b>Status</b>          | production ready    |
| <b>ROHS Compliant</b>  | Yes                 |
| <b>Date Updated</b>    | 8/09/2016           |



## OPTICAL PROPERTIES

| LED                          | Viewing | Light | Effi-     |            | Connector |
|------------------------------|---------|-------|-----------|------------|-----------|
|                              | Angle   | Beam  | ciency    | cd/lm      |           |
| XT-E                         | 58 deg  | Wide  | 94 %      | 0.870      | -         |
| XM-L                         | sim: 57 | Wide  | sim: 93 % | -          | -         |
| XM-L2                        | 61 deg  | Wide  | 94 %      | 0.800      | -         |
| XP-G2                        | 58 deg  | Wide  | 93 %      | 0.870      | -         |
| XB-D                         | sim: 52 | Wide  | sim: 90 % | -          | -         |
| XP-G                         | 60 deg  | Wide  | 94 %      | 0.840      | -         |
| XP-L                         | 67 deg  | Wide  | 94 %      | 0.750      | -         |
| XP-E2                        | sim: 56 | Wide  | sim: 94 % | -          | -         |
| XHP35 HD                     | sim: 60 | Wide  | sim: 94 % | sim: 0.930 | -         |
| XHP35 HI                     | sim: 57 | Wide  | sim: 94 % | sim: 0.980 | -         |
| XP-G3                        | 59 deg  | Wide  | 94 %      | 0.840      | -         |
| MHB-A                        | sim: 60 | Wide  | sim: 91 % | sim: 0.860 | -         |
| XP-L2                        | 62 deg  | Wide  | 94 %      | 0.770      | -         |
| H35C1 (LEMWA33)              | sim: 59 | Wide  | sim: 94 % | sim: 0.960 | -         |
| LUXEON Rebel                 | sim: 50 | Wide  | sim: 93 % | -          | -         |
| LUXEON T                     | 60 deg  | Wide  | 94 %      | 0.860      | -         |
| LUXEON Rebel ES              | 57 deg  | Wide  | 94 %      | 0.860      | -         |
| LUXEON R                     | 58 deg  | Wide  | 94 %      | 0.900      | -         |
| LUXEON Z ES                  | 52 deg  | Wide  | 94 %      | 1.000      | -         |
| LUXEON TX                    | 54 deg  | Wide  | 94 %      | 0.960      | -         |
| LUXEON XR-TX (L2T0-xyyy012M) | 60 deg  | Wide  | 94 %      | 0.900      | -         |
| NVSxx19B/NVSxx19C            | 58 deg  | Wide  | 94 %      | 0.870      | -         |
| NF2x757A                     | sim: 50 | Wide  | sim: 93 % | -          | -         |
| NVSxE21A                     | 51 deg  | Wide  | 94 %      | 1.140      | -         |
| Oslon Square PC              | sim: 56 | Wide  | sim: 93 % | -          | -         |



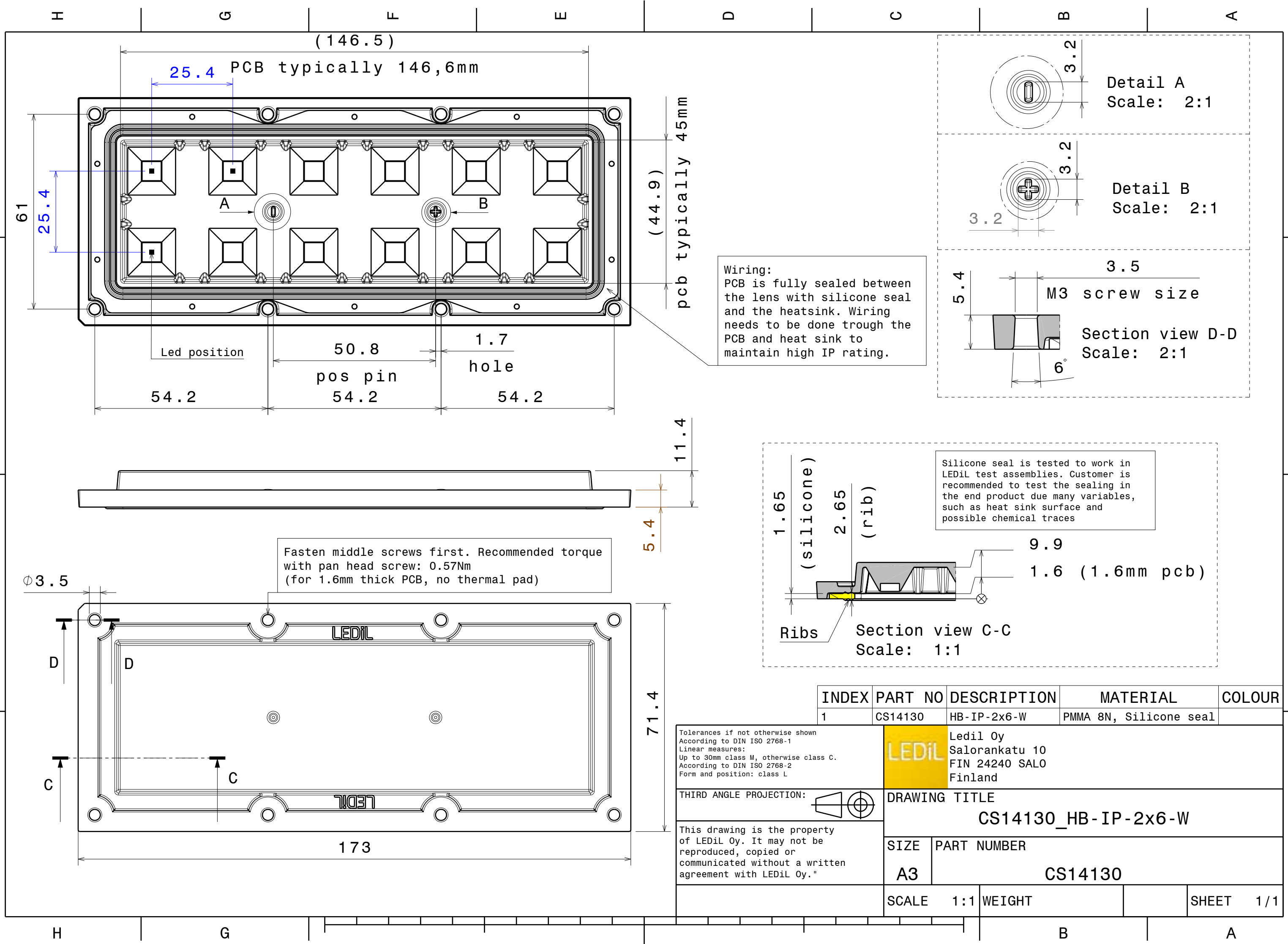
# PRODUCT DATASHEET

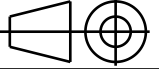
## High Bay series

last update 8/9/2016

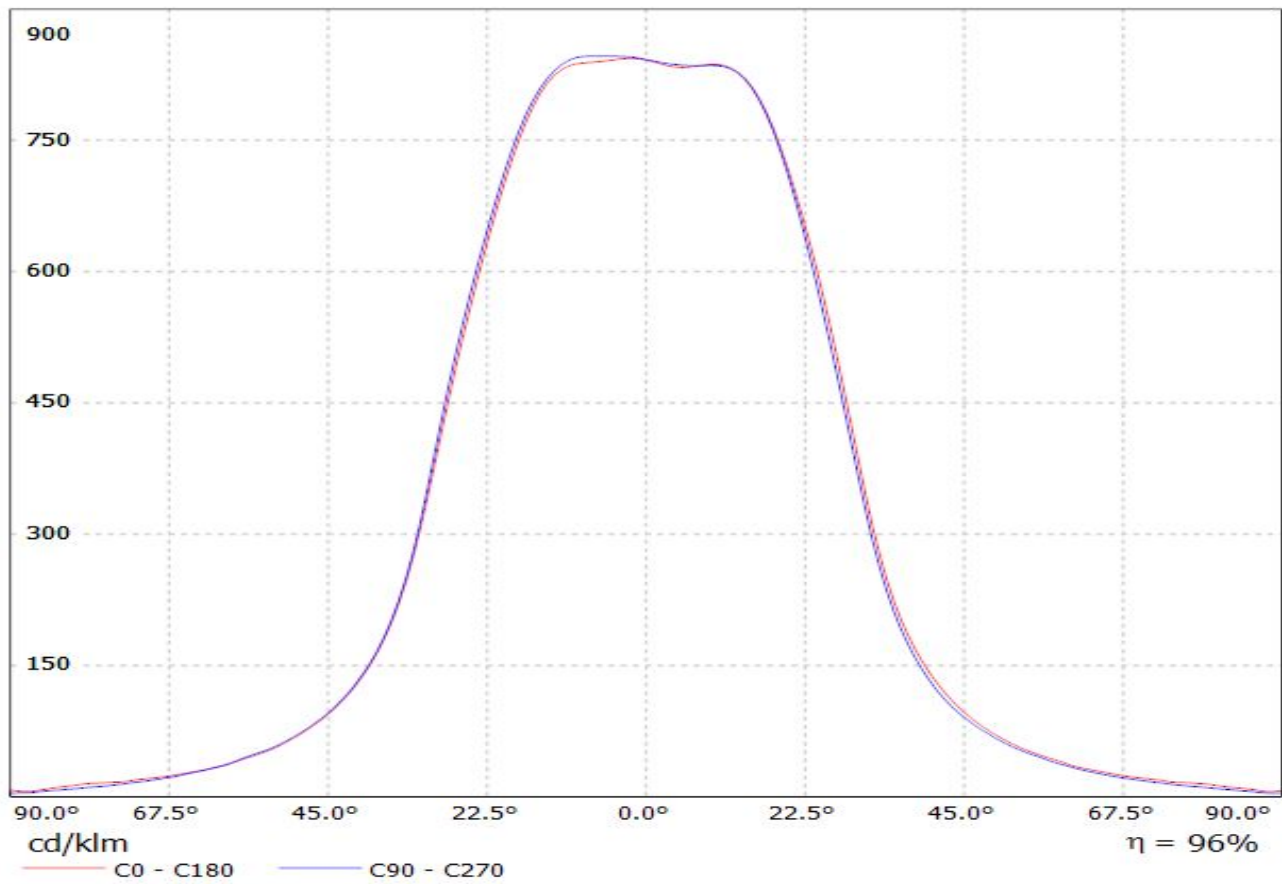
### OPTICAL PROPERTIES

| LED               | Viewing<br>Angle | Light<br>Beam | Effi-<br>ciency | cd/lm      | Connector |
|-------------------|------------------|---------------|-----------------|------------|-----------|
| Oslon Square EC   | sim: 56          | Wide          | sim: 93 %       | -          | -         |
| Duris S8          | sim: 56          | Wide          | sim: 95 %       | sim: 1.140 | -         |
| Oslon SSL 80      | sim: 52          | Wide          | sim: 94 %       | sim: 1.200 | -         |
| Oslon Square Gen3 | sim: 56          | Wide          | sim: 94 %       | 1.080      | -         |
| Z5M1/Z5M2         | 59 deg           | Wide          | 94 %            | 0.870      | -         |
| Acrich MJT 4040   | sim: 52          | Wide          | sim: 93 %       | sim: 1.200 | -         |
| Z5M               | sim: 50          | Wide          | sim: 94 %       | sim: 1.000 | -         |
| Z8Y22P            | 57 deg           | Wide          | 94 %            | 0.880      | -         |
| TL1L3             | sim: 54          | Wide          | sim: 89 %       | -          | -         |
| TL1L2             | sim: 55          | Wide          | sim: 94 %       | sim: 0.980 | -         |
| TL1L4             | 56 deg           | Wide          | 94 %            | 0.950      | -         |

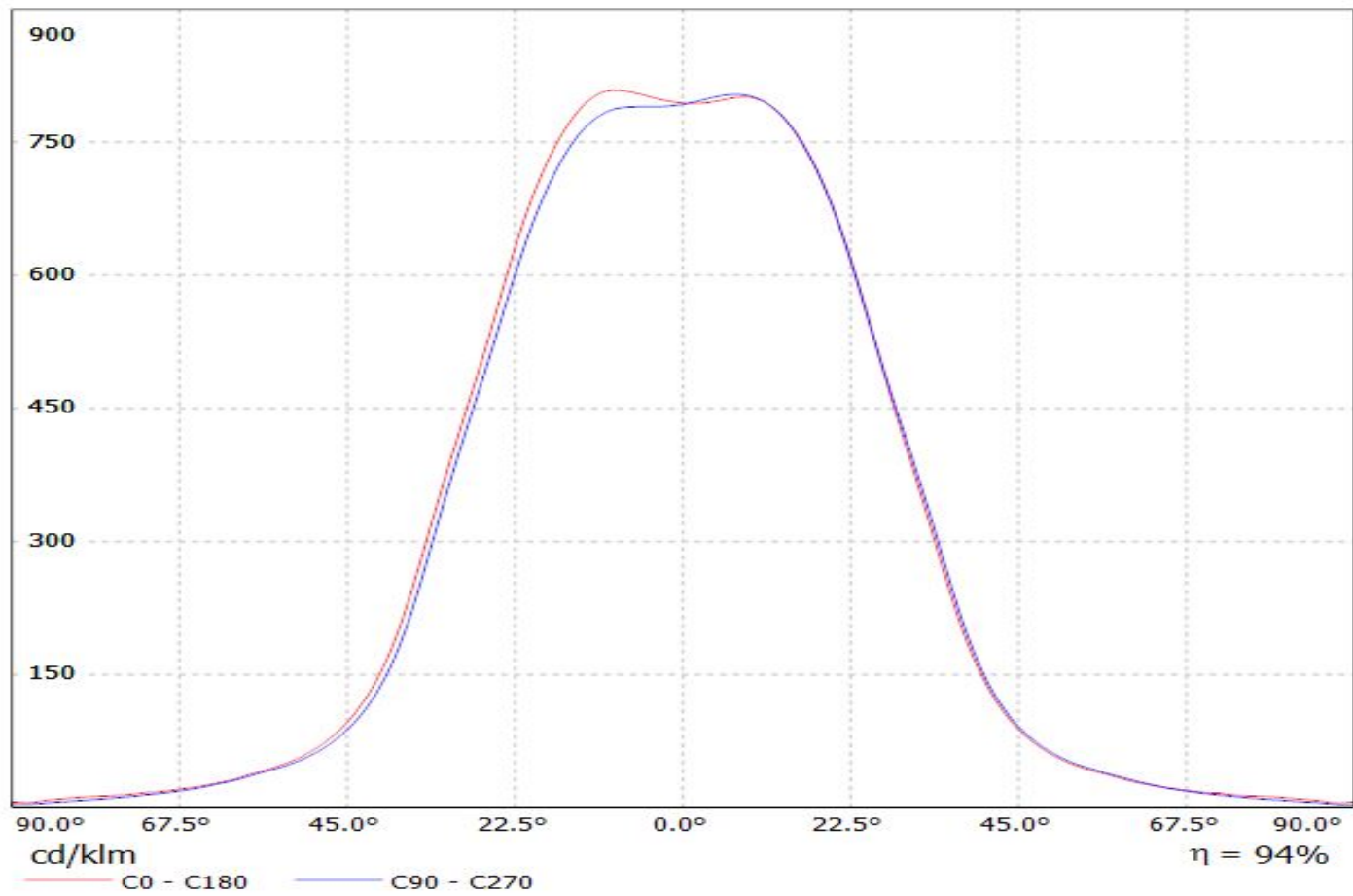


| INDEX                                                                                                                                                                                       | PART NO | DESCRIPTION                                                          | MATERIAL               | COLOUR       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------|------------------------|--------------|
| 1                                                                                                                                                                                           | CS14130 | HB-IP-2x6-W                                                          | PMMA 8N, Silicone seal |              |
| Tolerances if not otherwise shown<br>According to DIN ISO 2768-1<br>Linear measures:<br>Up to 30mm class M, otherwise class C.<br>According to DIN ISO 2768-2<br>Form and position: class L |         | <b>LEDiL</b> LediL Oy<br>Salorankatu 10<br>FIN 24240 SALO<br>Finland |                        |              |
| THIRD ANGLE PROJECTION:                                                                                |         | DRAWING TITLE<br>CS14130_HB-IP-2x6-W                                 |                        |              |
| This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."                                                      |         | SIZE<br>A3                                                           | PART NUMBER<br>CS14130 |              |
|                                                                                                                                                                                             |         | SCALE<br>1:1                                                         | WEIGHT                 | SHEET<br>1/1 |

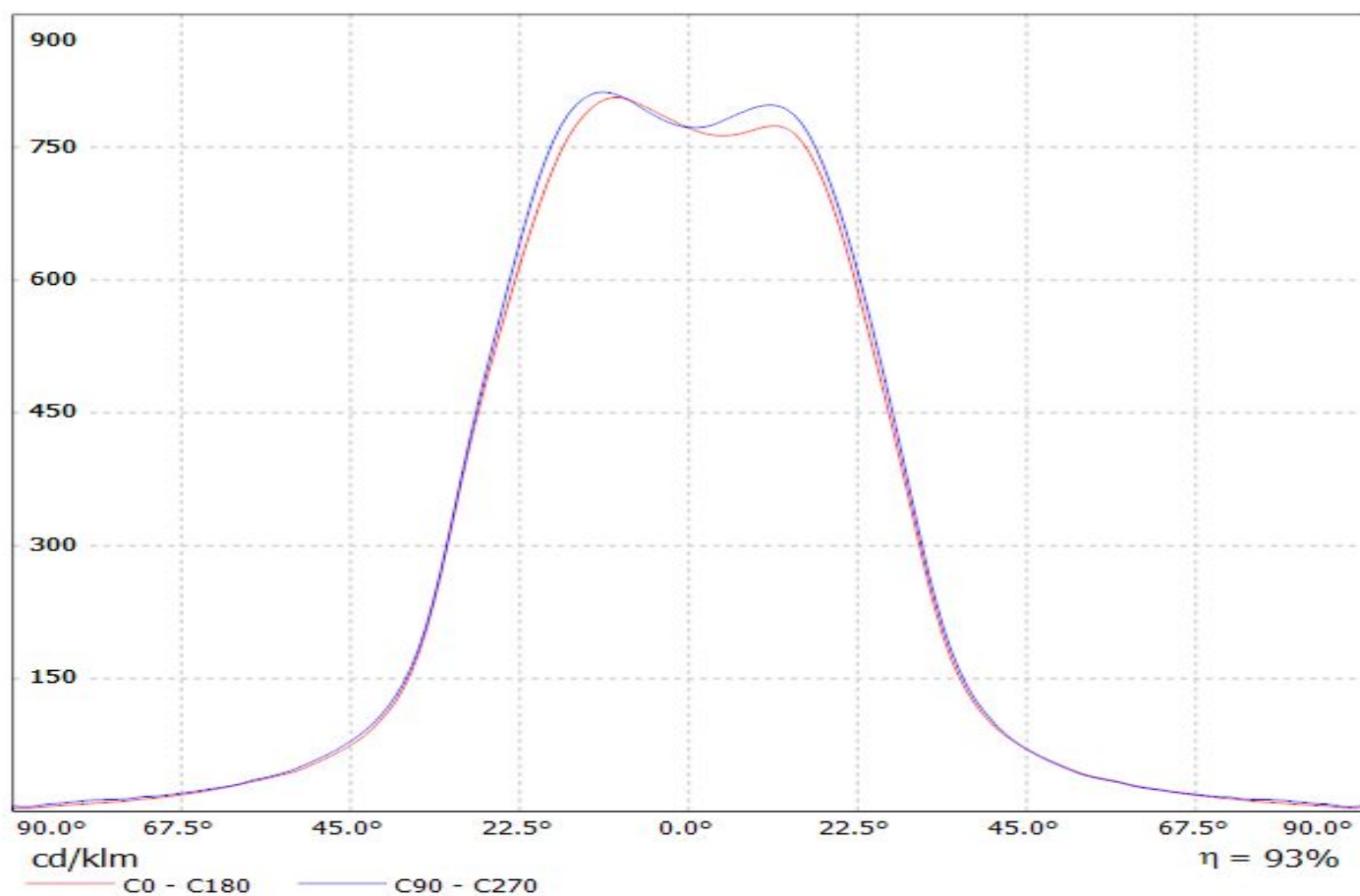
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XT-E)  
Lamps: 1 x CREE\_XT-E\_6x2\_(XTEAWT-00-0000-000000HE4)\_1253.92lm@250mA\_P=8.86265W\_I=249.8mA



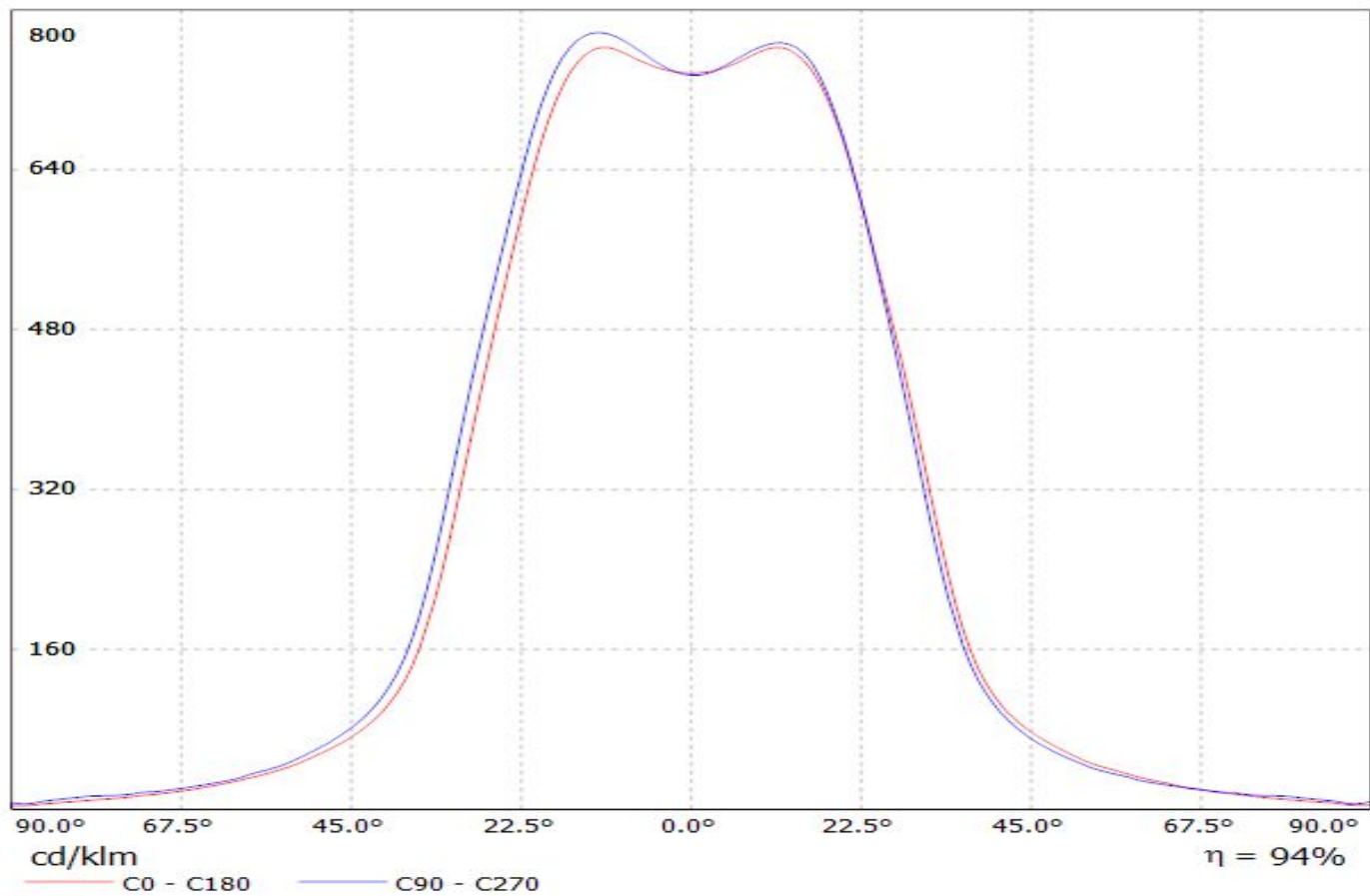
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XM-L2) Eff.94.0%  
Lamps: 1 x CREE\_XM-L2\_2x6\_1197.78lm@250mA\_P=8.38555W\_I=254.1mA



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-G2) Eff.93.2%  
Lamps: 1 x CREE\_XP-G2\_1303lm@250mA\_P=8.58363W\_I=249.8mA

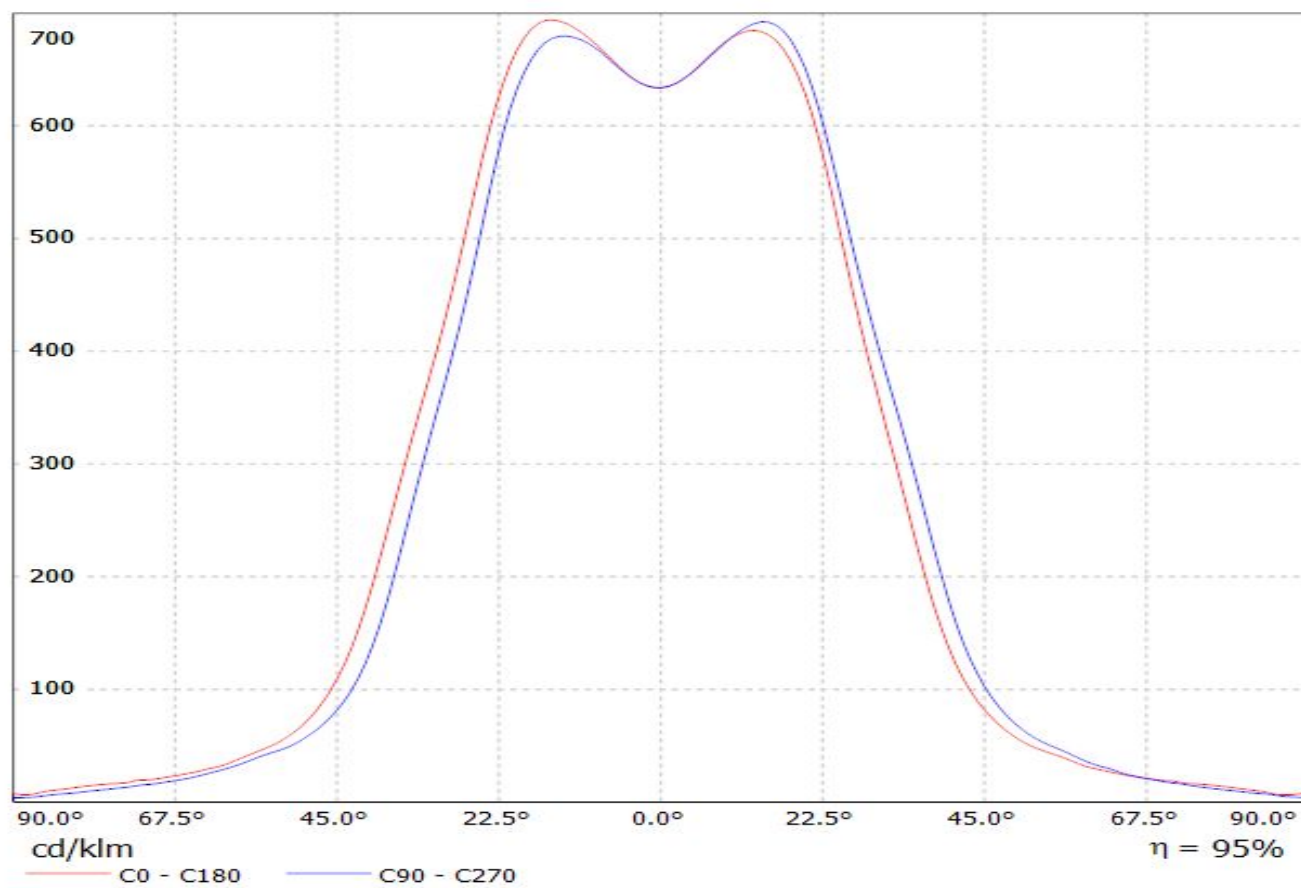


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-G) Eff.94.0%  
Lamps: 1 x CREE\_XP-G\_6x2\_799.2lm@250mA\_P=8.52542W\_I=249.8mA



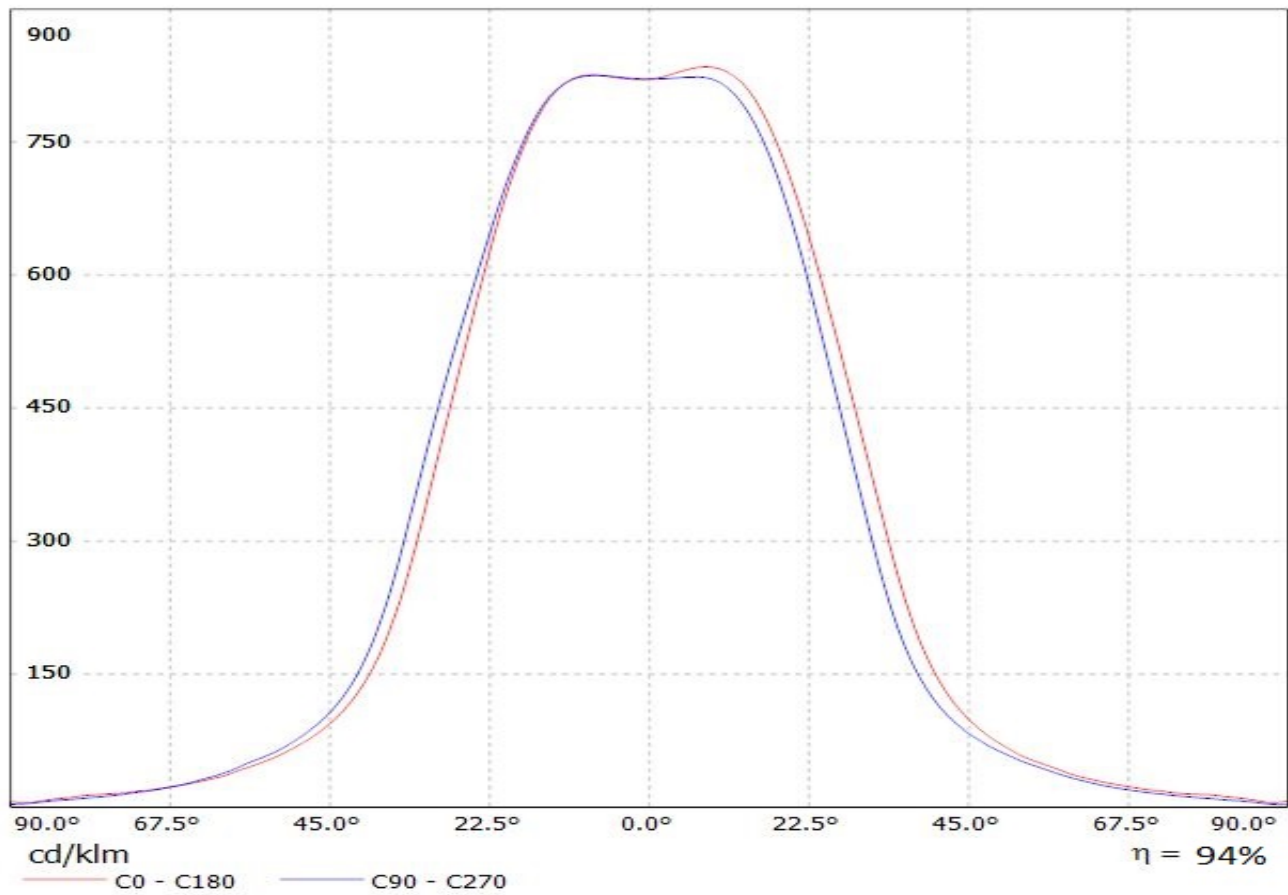
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA

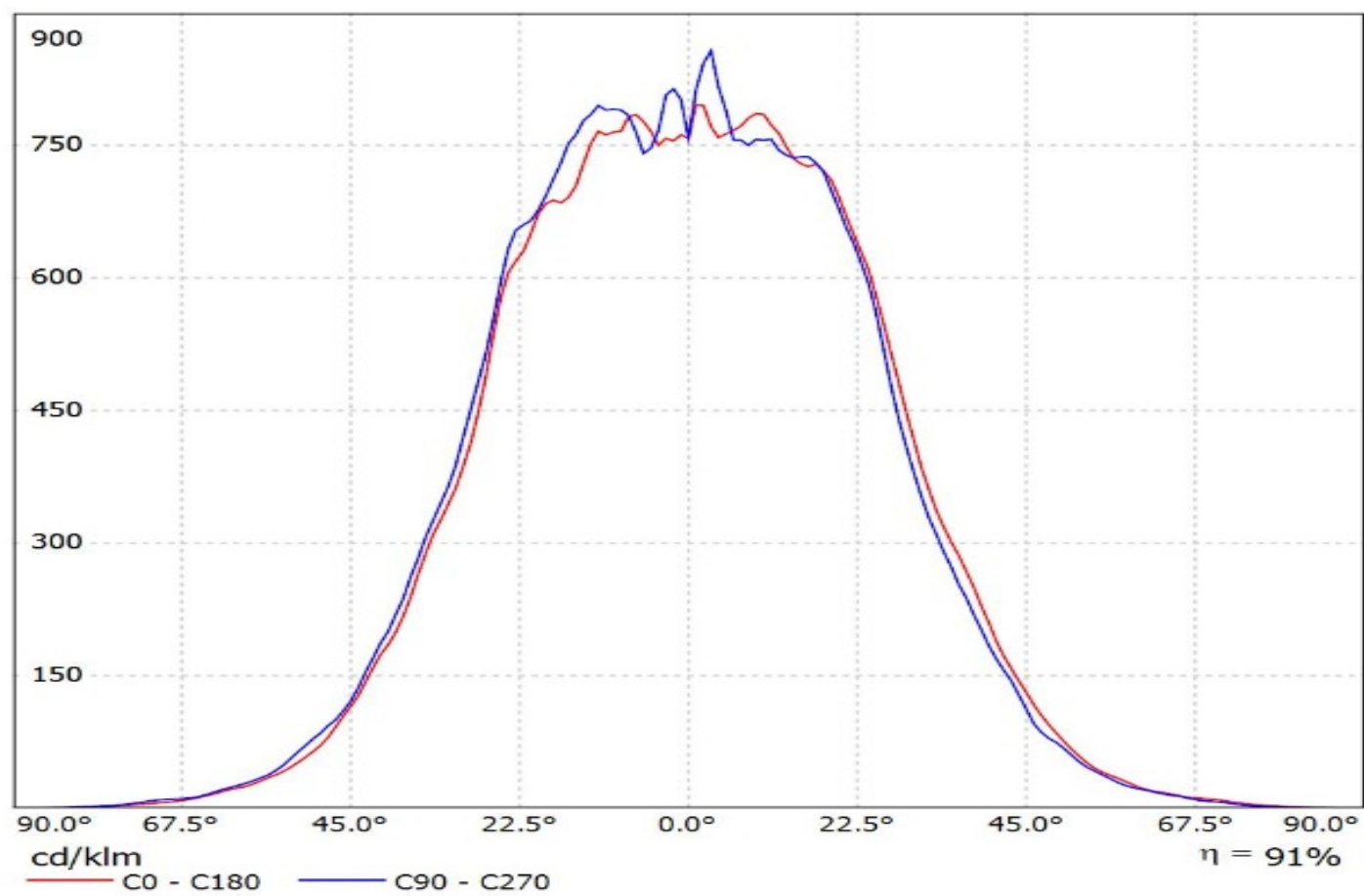




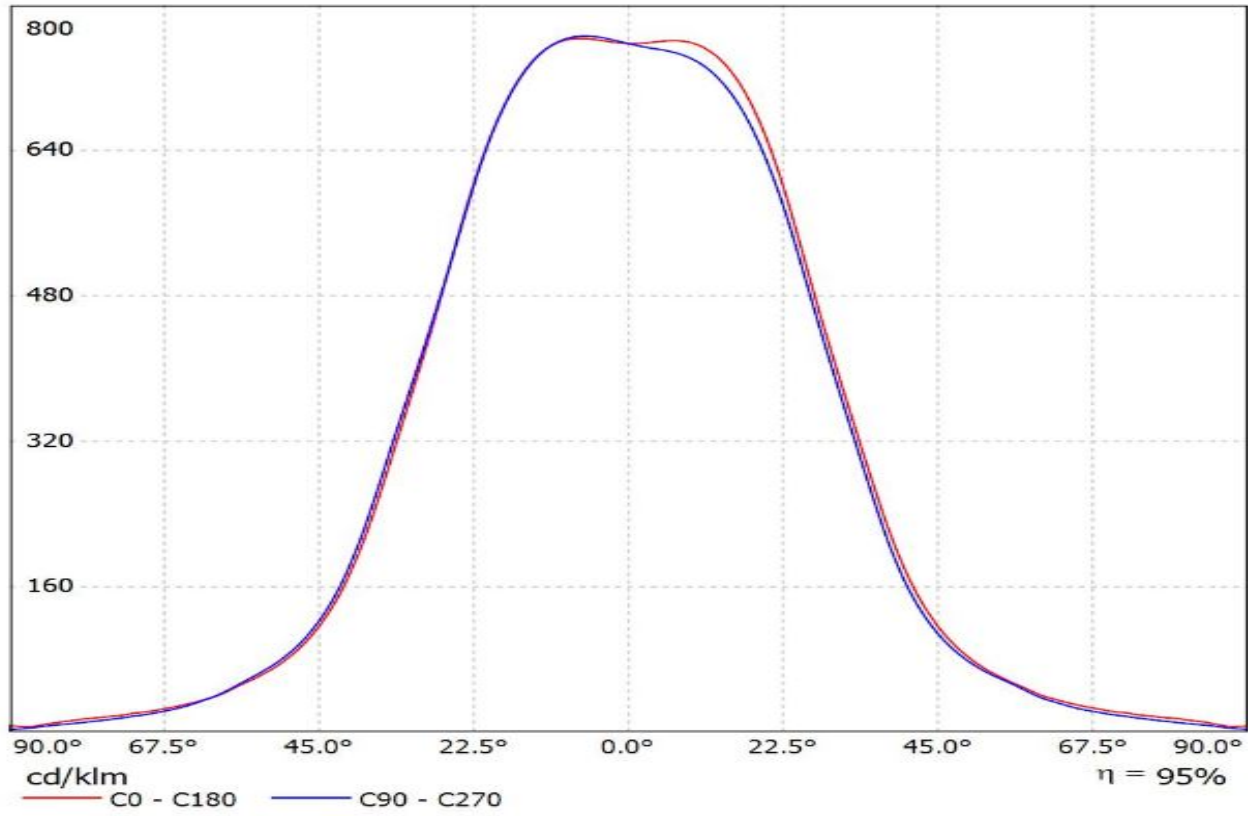
Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XP-G3)  
Lamps: 1 x Cree\_XP-G3\_6x2\_(XPGDWT-B1-6C1-S3-0-01)\_1521.26lm@250mA\_P=8.253W\_I=0.25A



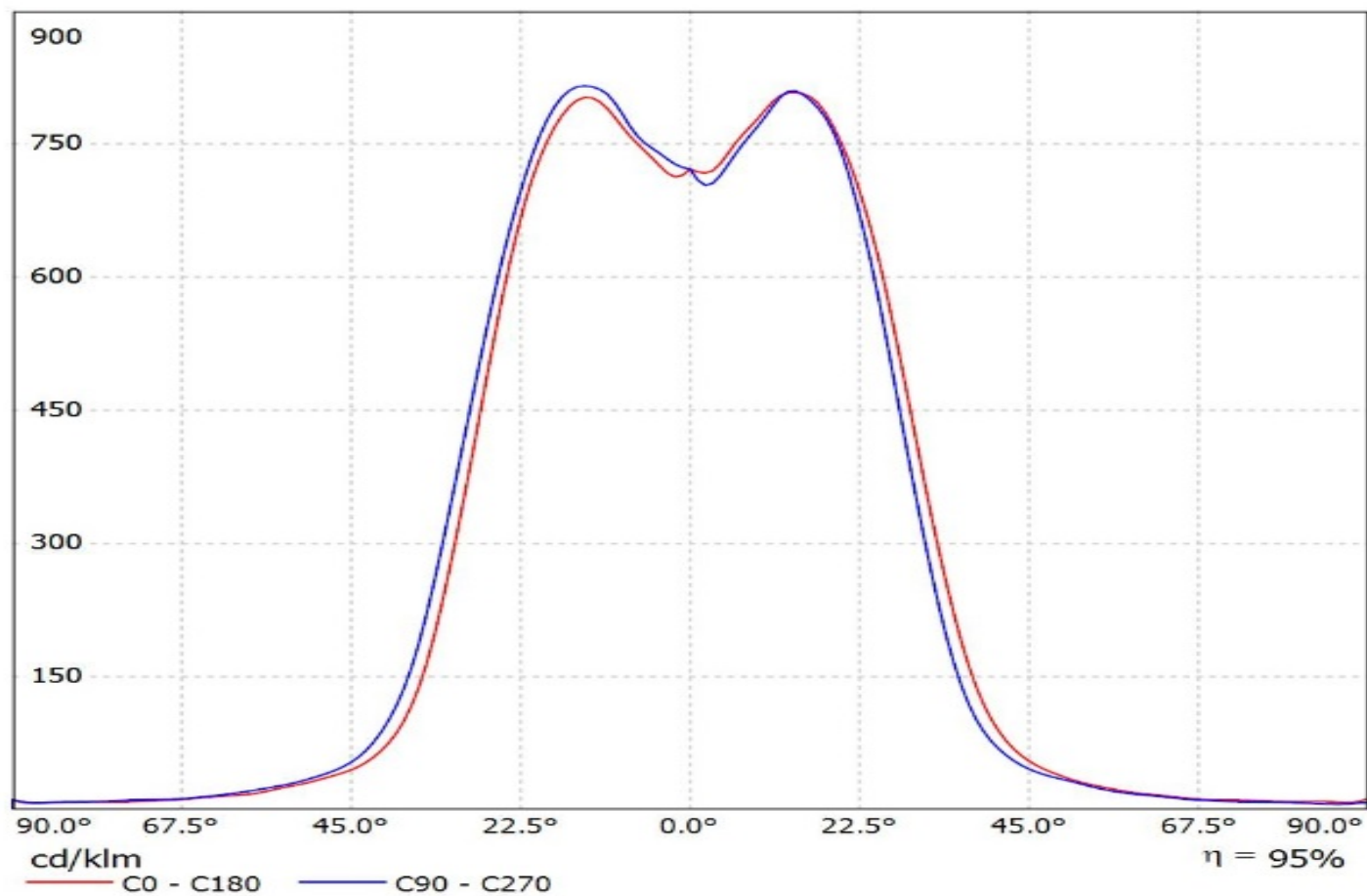
Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W-MH-B\_SIMULATED  
Lamps: 1 x Cree MH-B



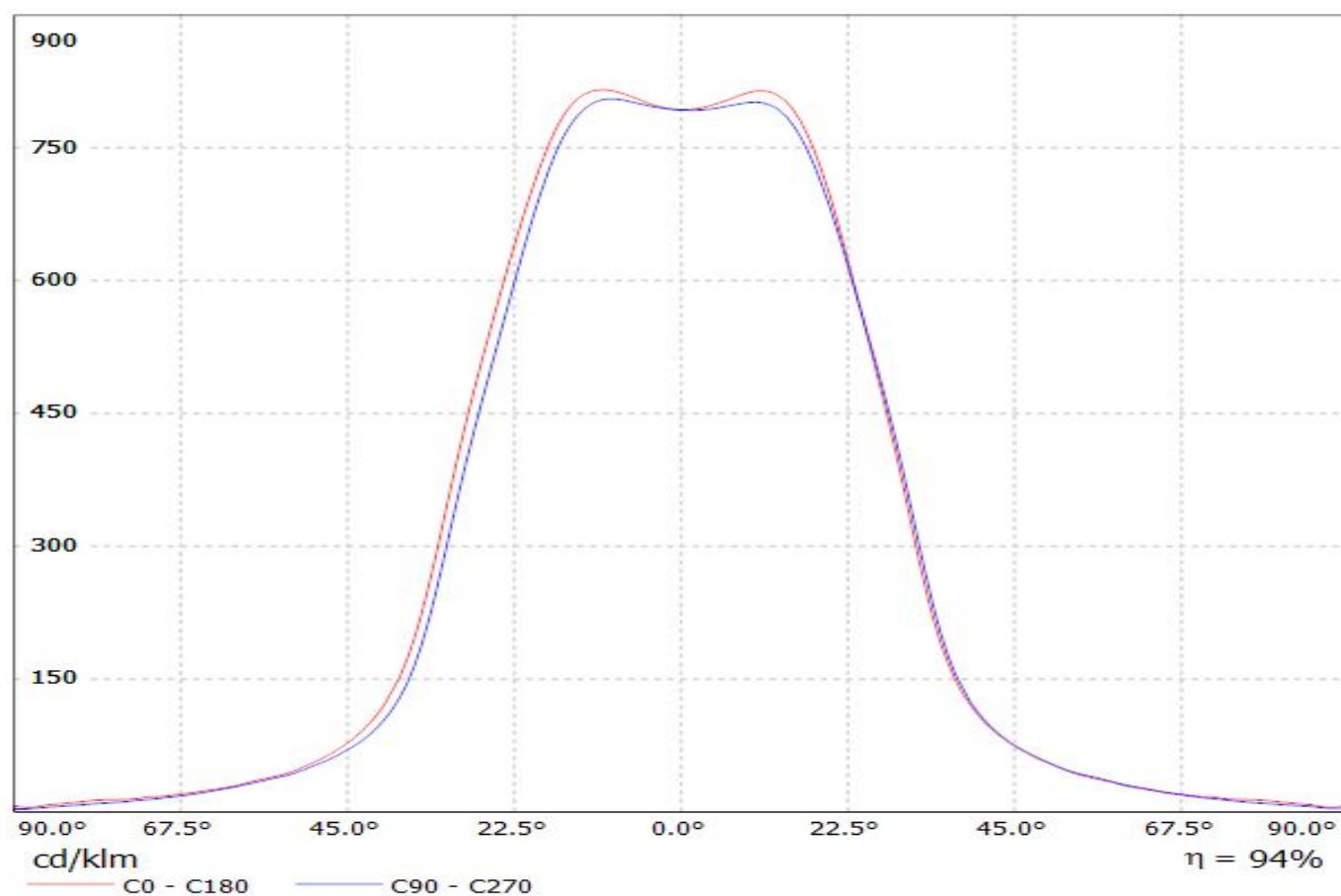
Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XP-L2)  
Lamps: 1 x Cree\_XP-L2\_2x6\_1659.4lm@250mA\_P=8.22525W\_I=0.25A



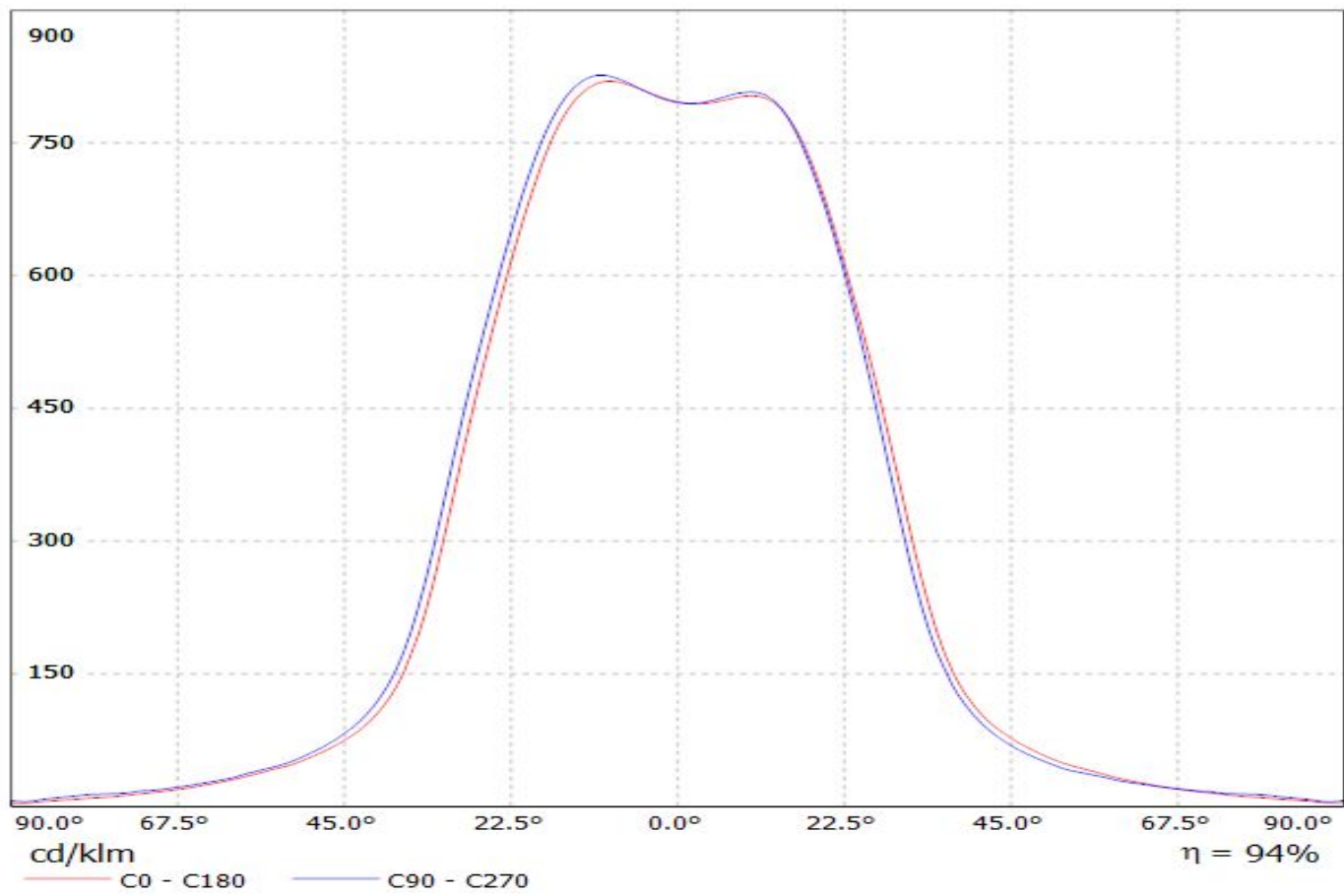
Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W\_(H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1



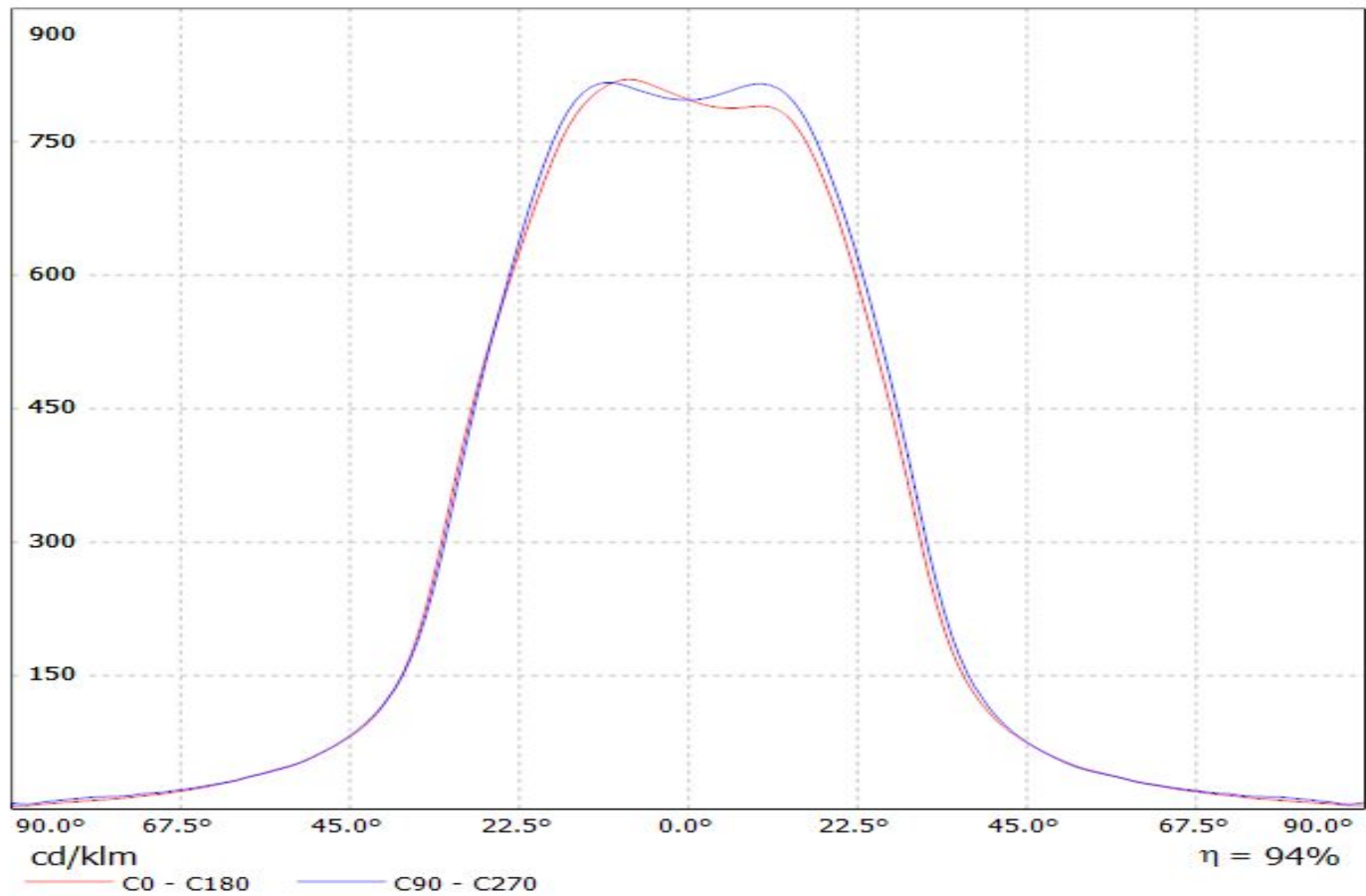
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(LUXEON\_T) Eff.94.0%  
Lamps: 1 x LUXEON\_T\_6x2\_(LXH8-FW30)\_1062.6lm@250mA\_P=8.46572W\_I=249.8mA



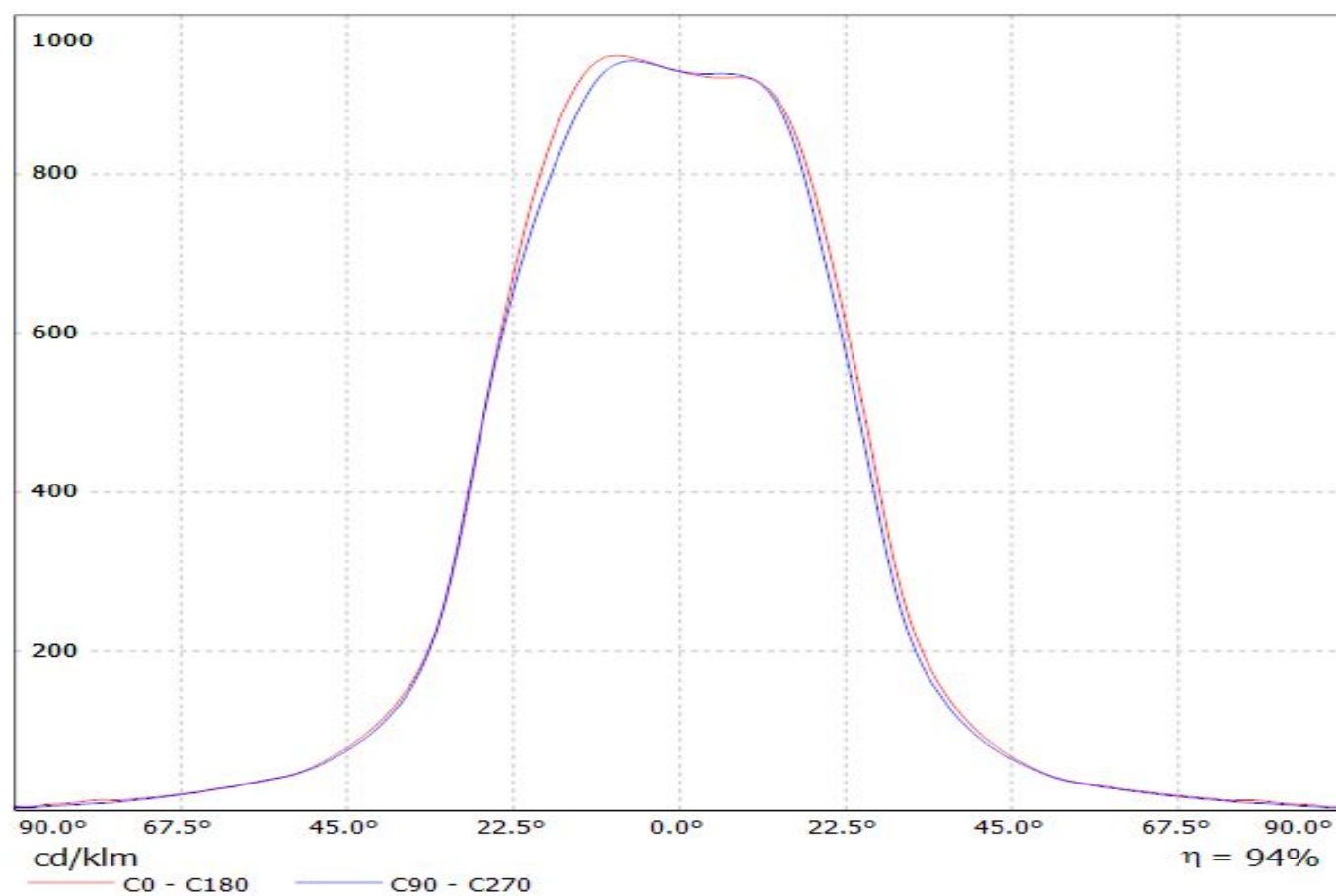
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(REBEL-ES) Eff.94.0%  
Lamps: 1 x Luxeon\_Rebel-ES\_2x6\_864.2lm@250mA\_P=9.03127W\_I=249.8mA



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(LUXEON-R) Eff.94.0%  
Lamps: 1 x Luxeon\_R\_6x2\_1154lm@250mA\_P=8.29161W\_I=249.8mA

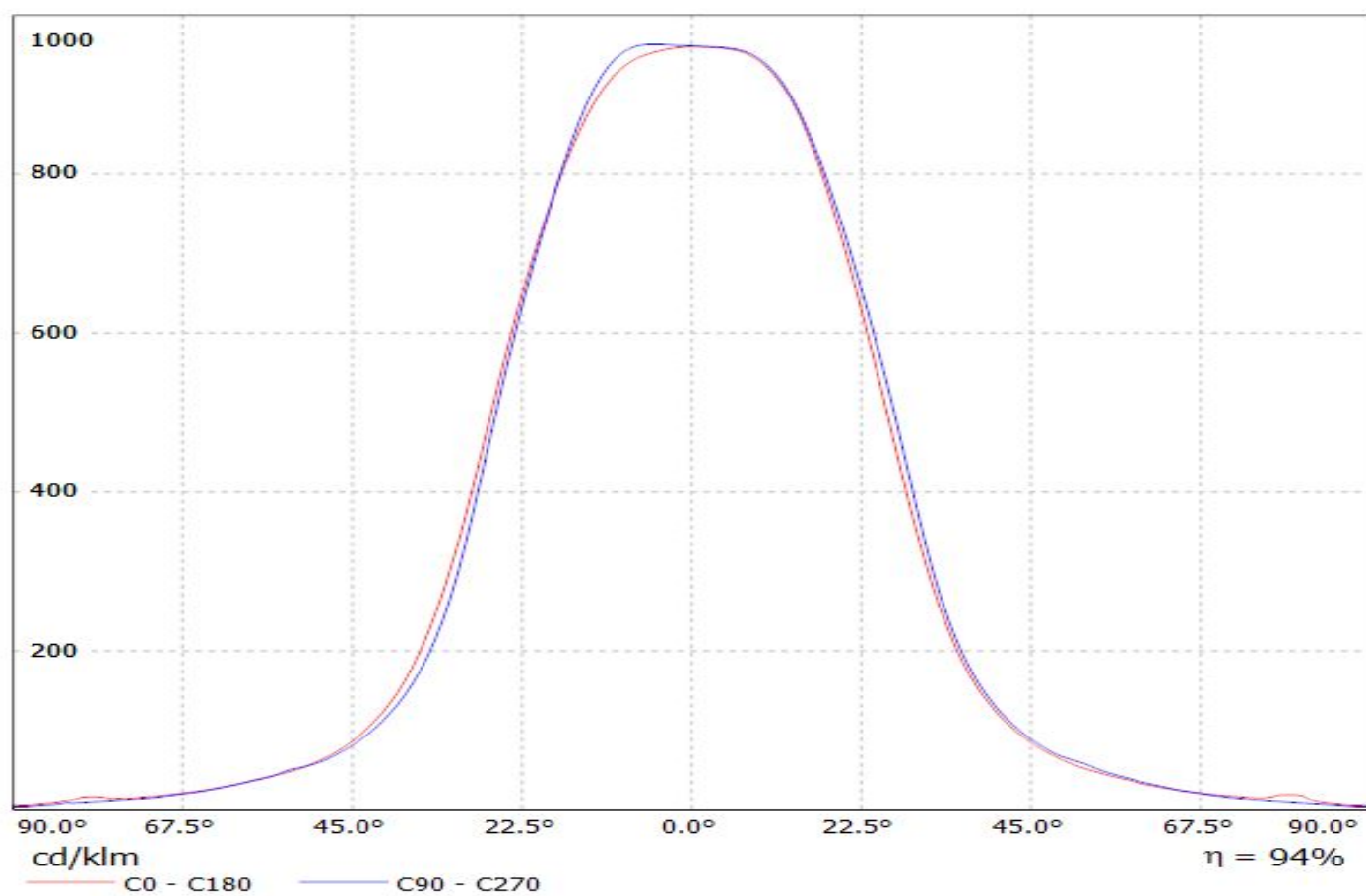


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W (LUXEON\_Z\_ES) Eff.94.0%  
Lamps: 1 x LUXEON\_Z\_ES\_990.2lm@250mA\_P=8.31159W\_I=249.8mA



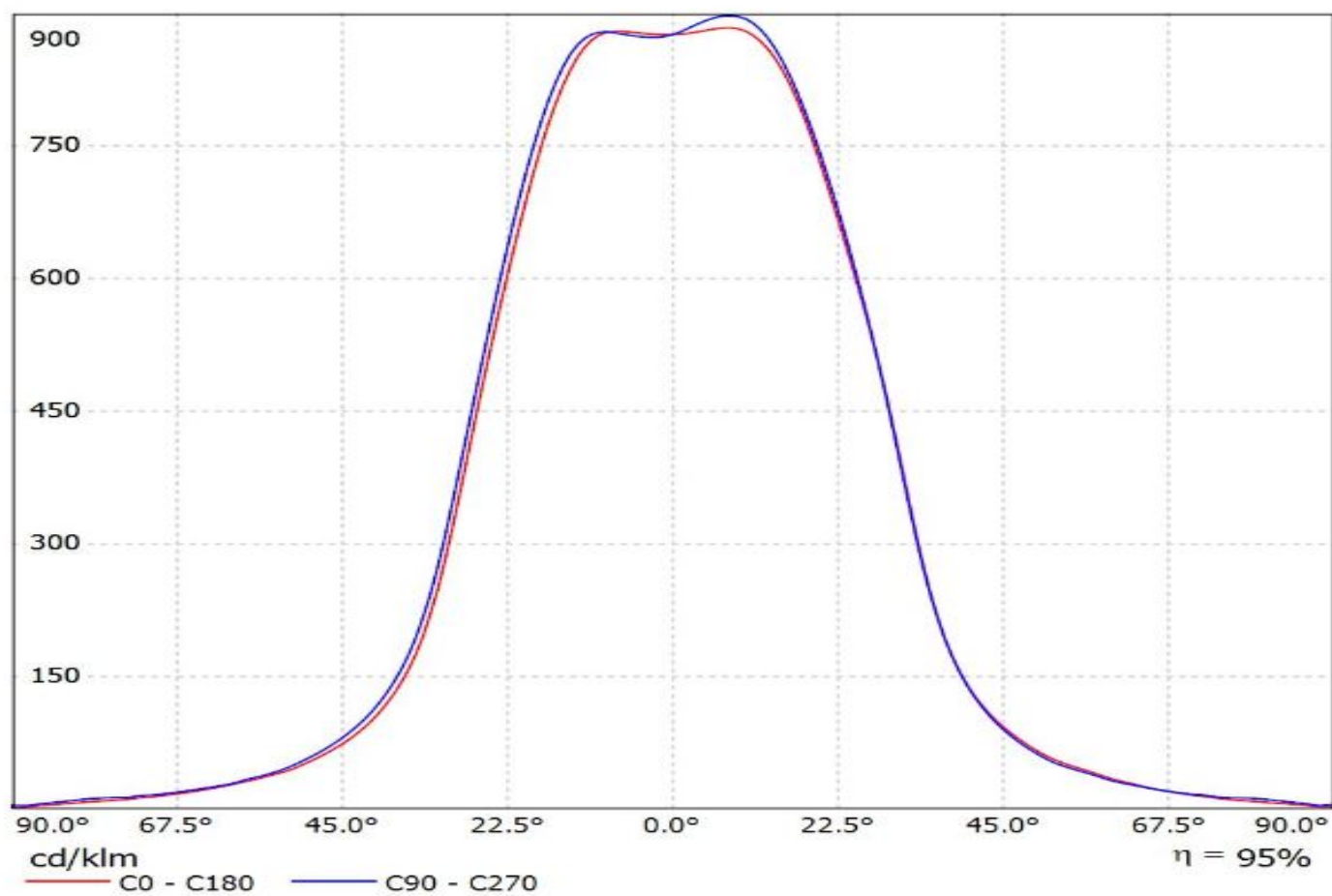


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x6\_1301.4lm@250mA\_P=8.26138W\_I=249.8mA

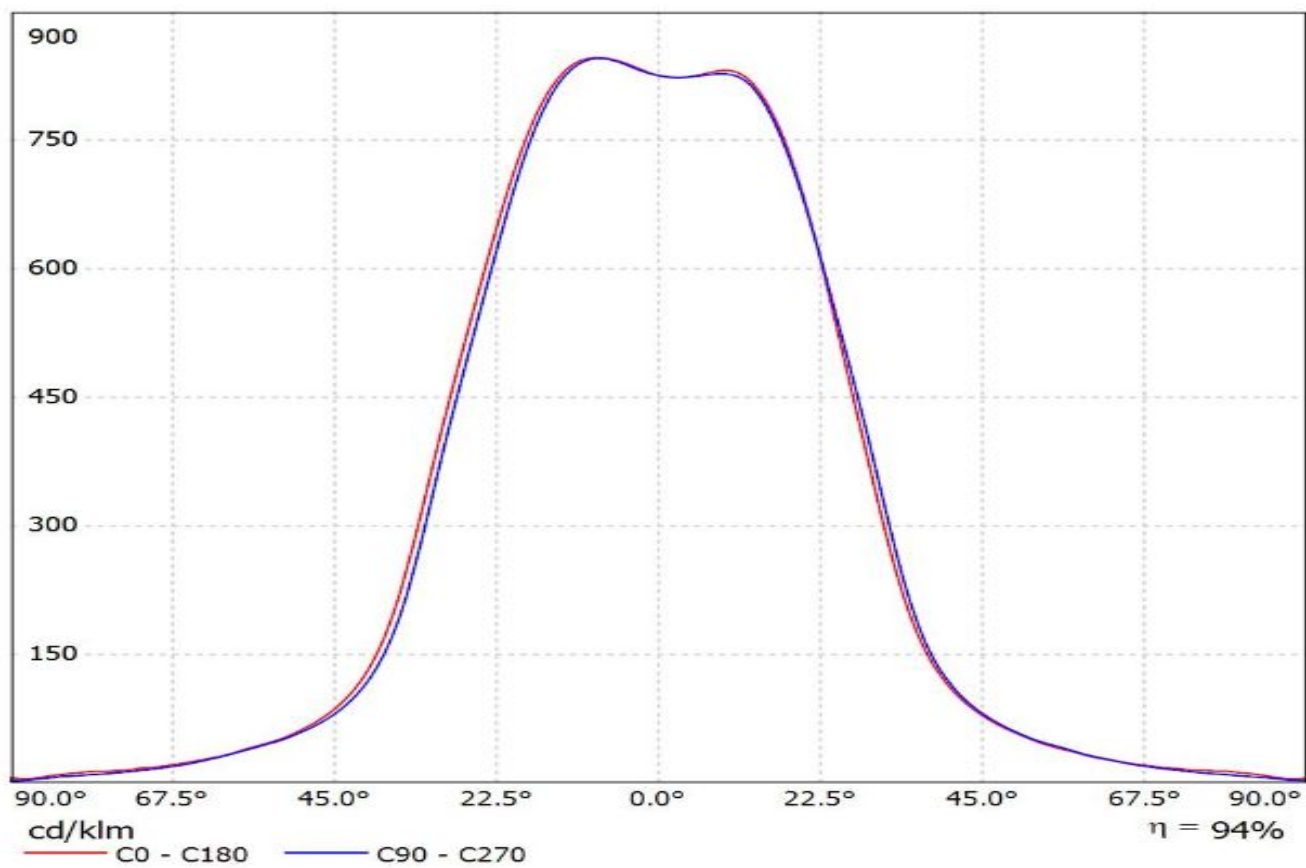


Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XR-TX)

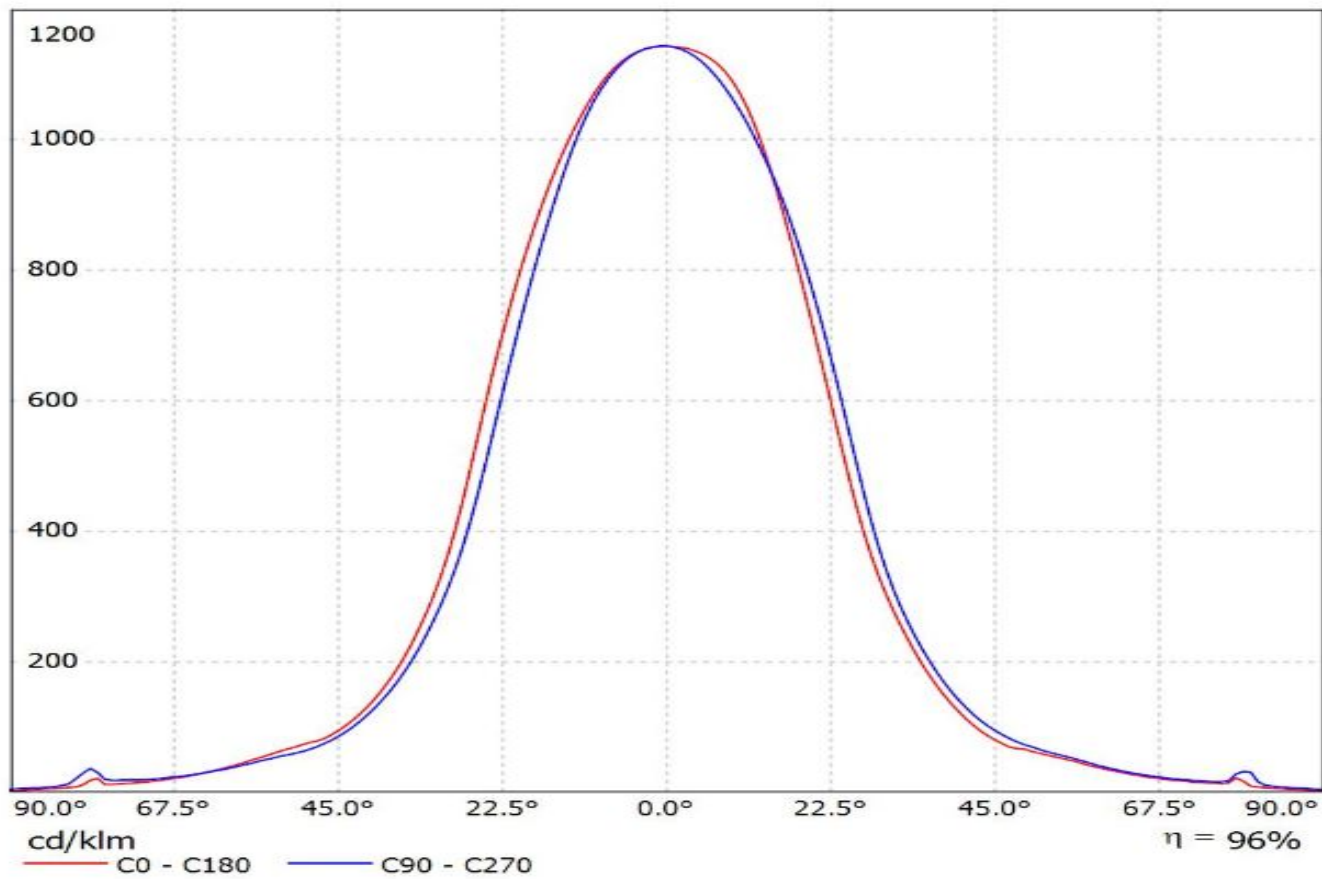
Lamps: 1 x Luxeon\_XR-TX\_1376.41lm@250mA\_P=8.3920W\_I=0.250A



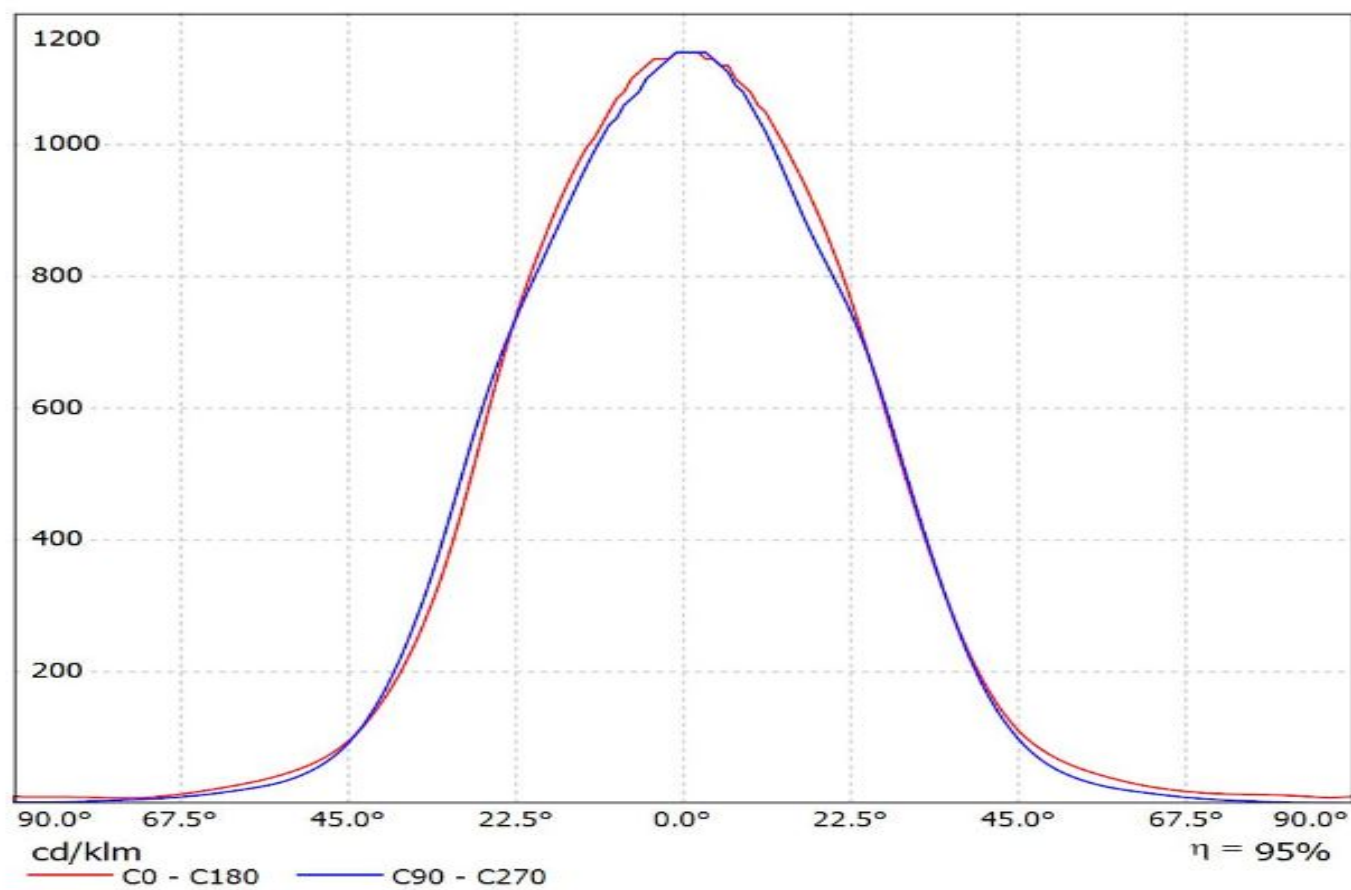
Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(NVSL219CT)  
Lamps: 1 x Nichia\_NVSL219CT\_2x6\_1262.53lm@250mA\_P=8.35825W\_I=0.25A



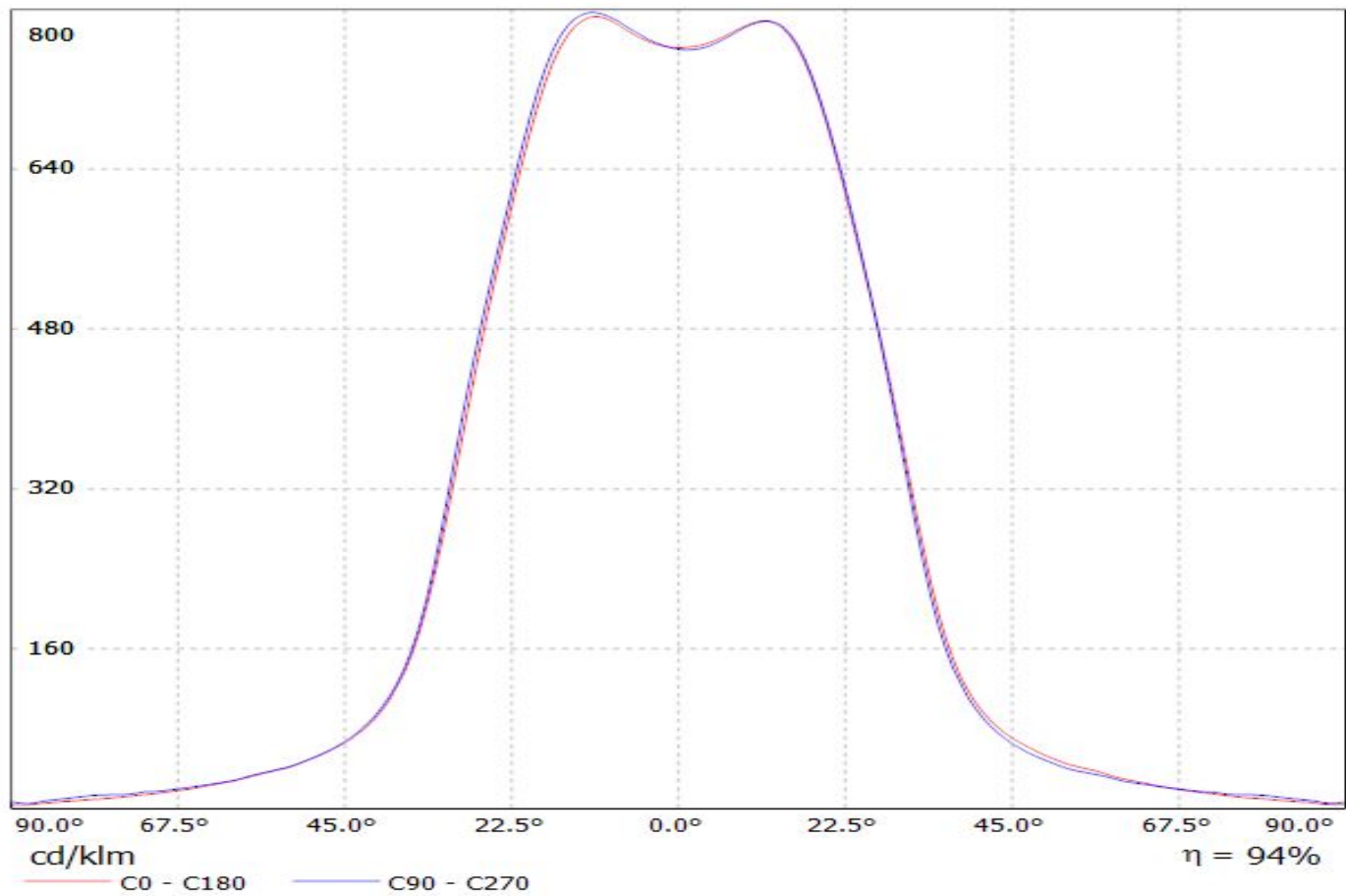
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Nichia\_E21)  
Lamps: 1 x Nichia\_NVSWE21A\_583.232lm@600mA\_P=3.51742W\_I=0.600A



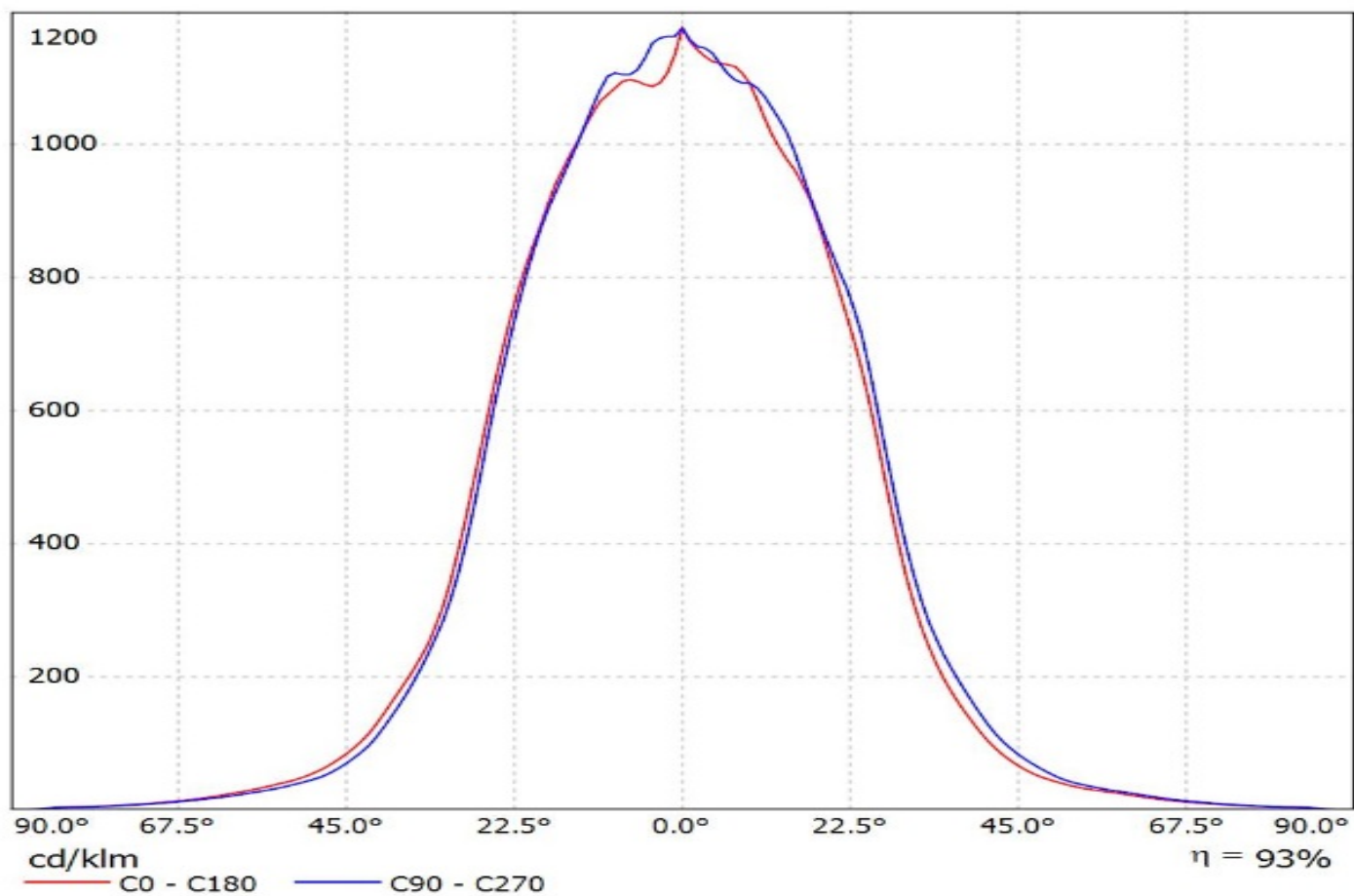
Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W-DURIS-S8\_SIMULATED  
Lamps: 1 x DURIS-S8



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Z5M1) Eff.94.0%  
Lamps: 1 x SEOUL\_Z5M1\_2x6\_(SZ5-M1-WW-C8)\_1177.2lm@250mA\_P=8.5619W\_I=249.8mA

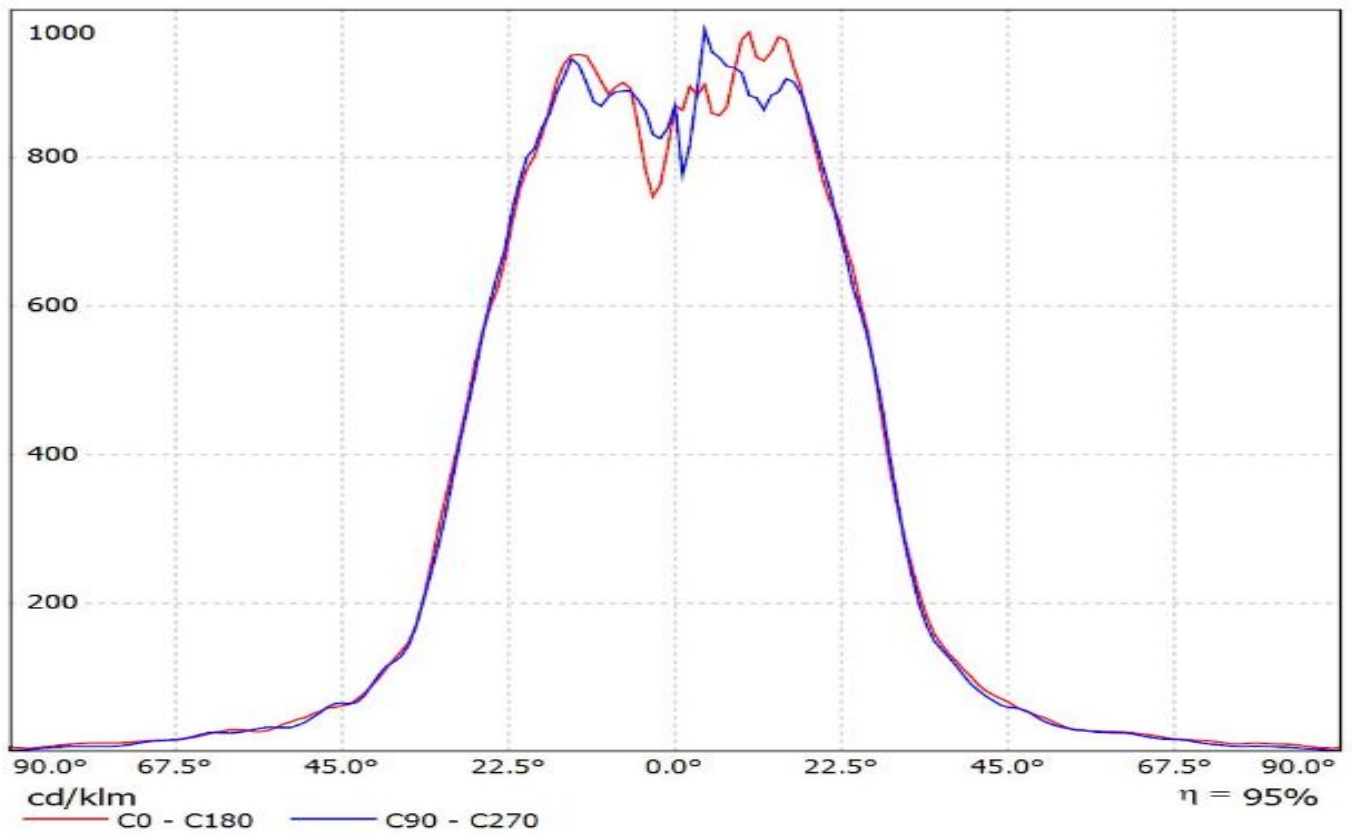


Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W\_MJT4040\_SIMULATED  
Lamps: 1 x



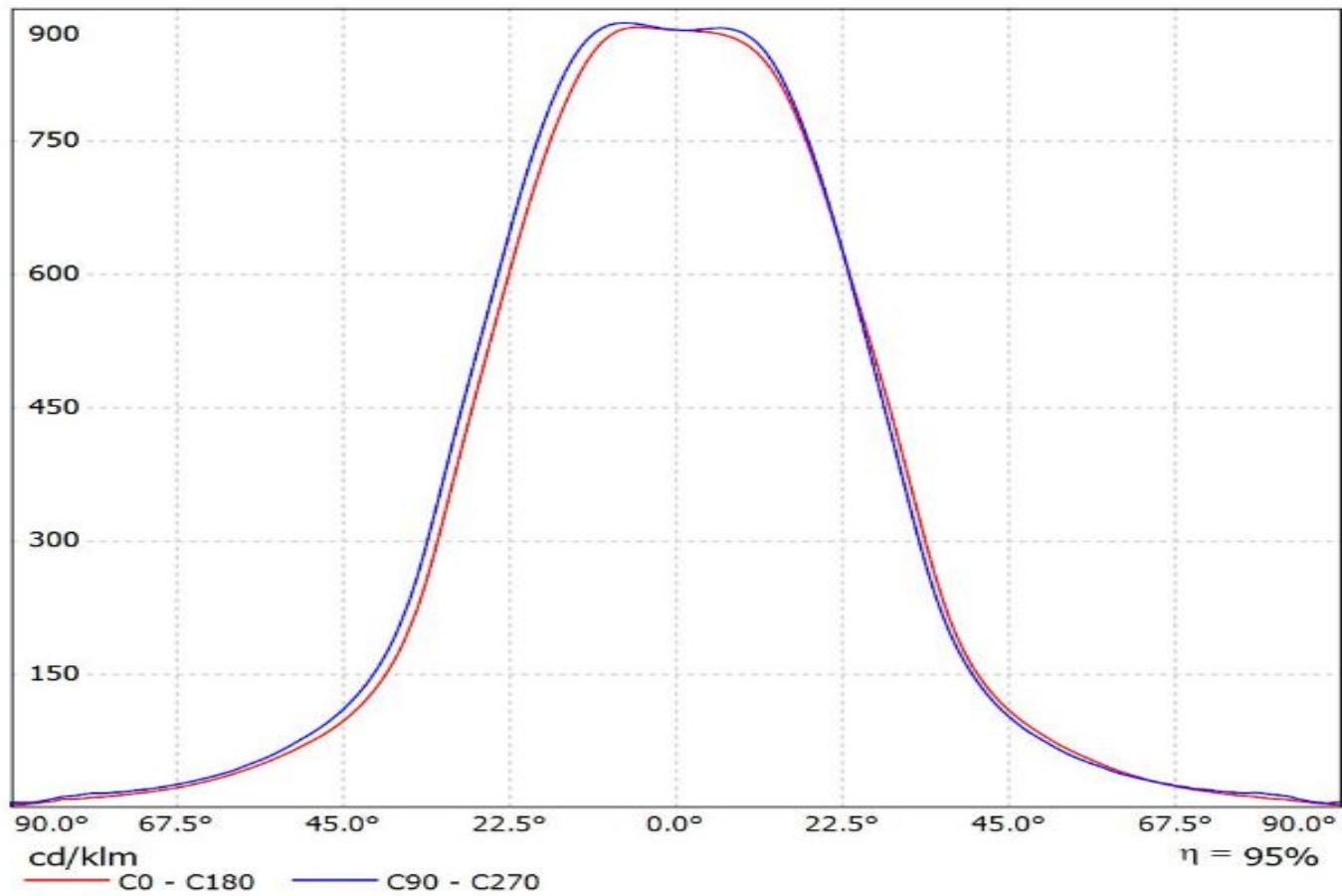
## Ledil Oy CS14130HB-IP-2X6-W / LDC (Linear)

Luminaire: Ledil Oy CS14130HB-IP-2X6-W  
Lamps: 1 x SEOUL\_Z5M





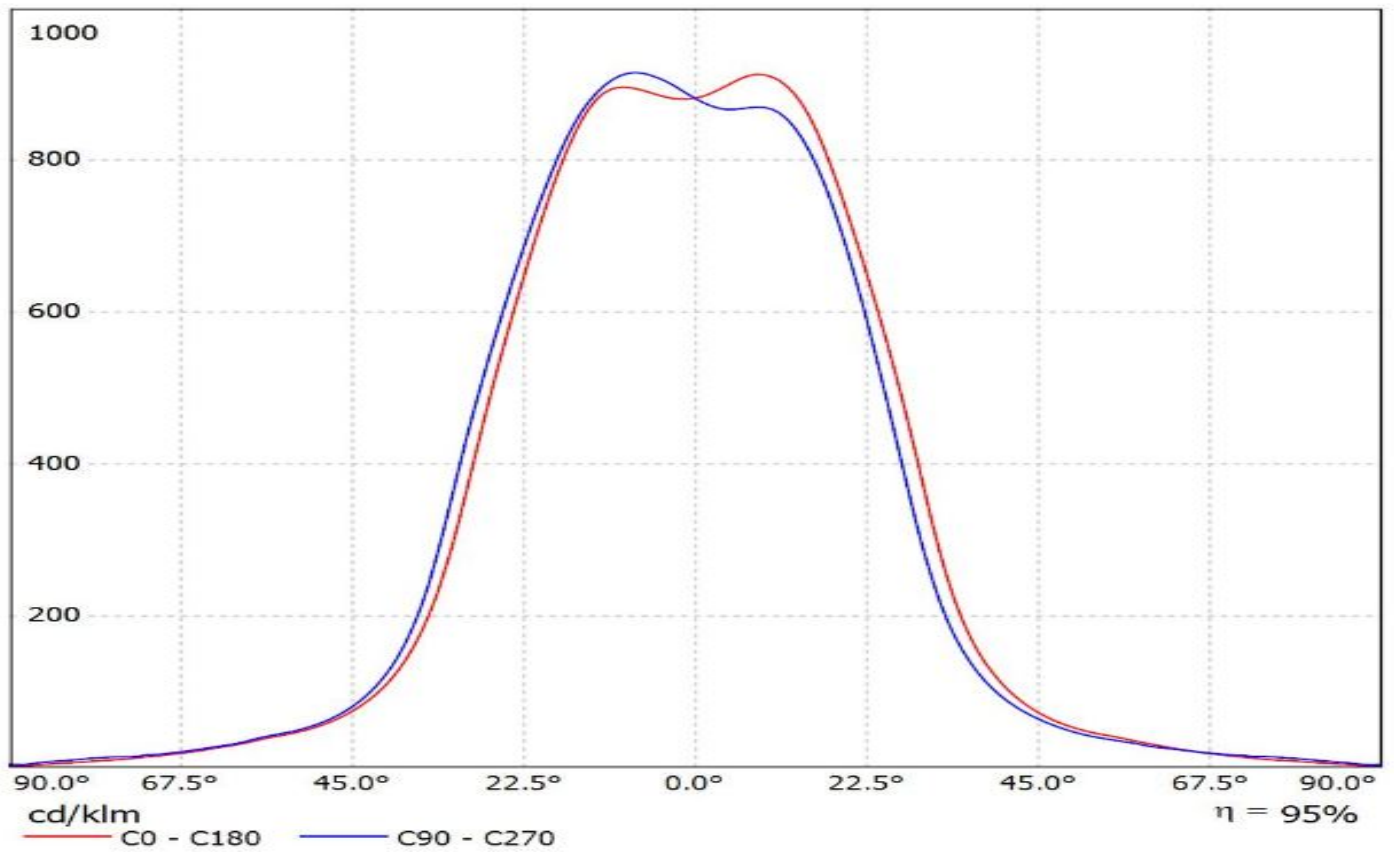
Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(Z8Y22\_PLUS)  
Lamps: 1 x Seoul\_Z8Y22\_PLUS\_2X6\_(SZ8-Y22-W0-C7P)1489.65lm@250mA\_P=8.30675W\_I=0.250A



## Ledil CS14130\_HB-IP-2X6-W\_(TL1L4) / LDC (Linear)

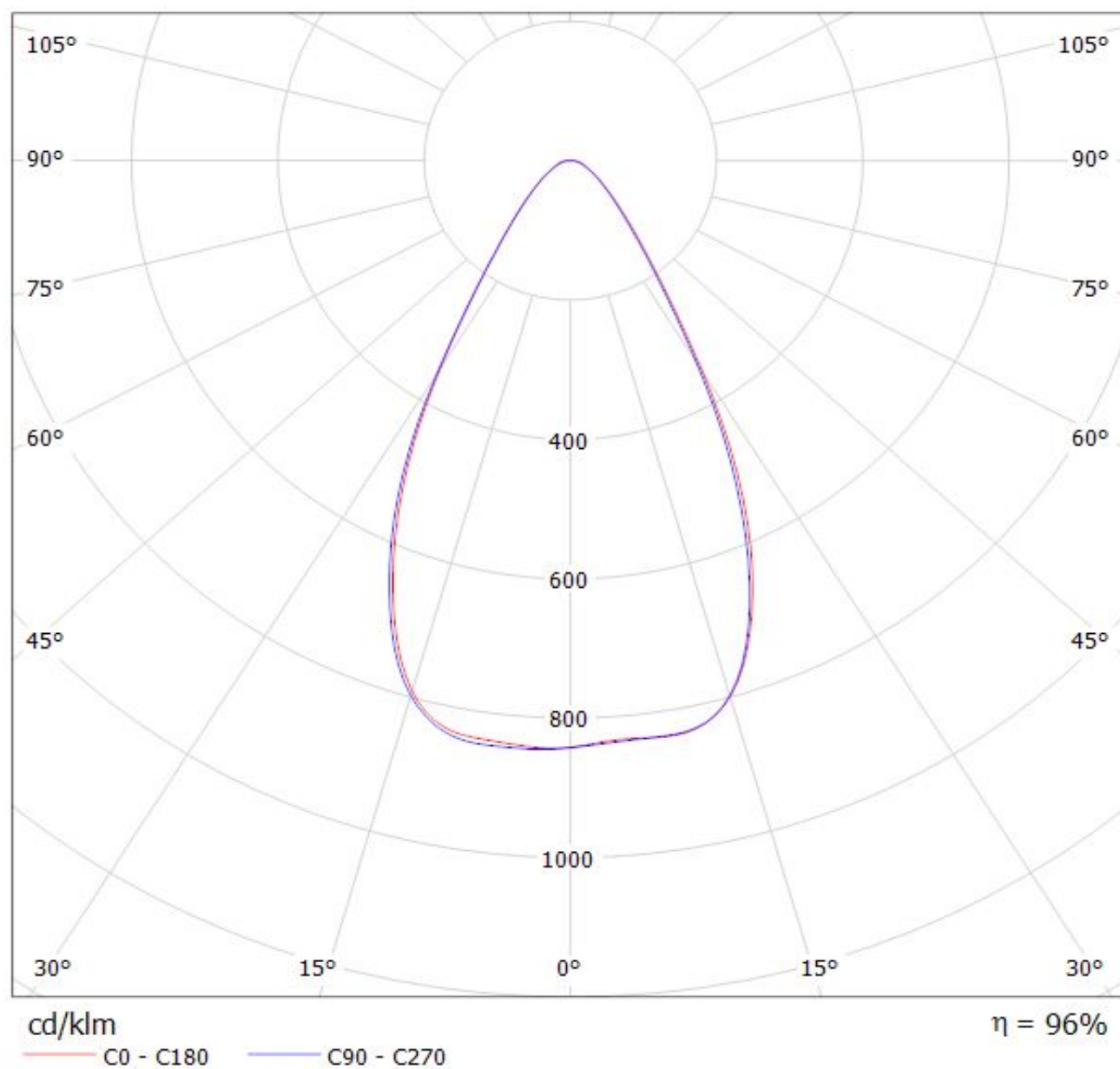
Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_2x6\_(TL1L4-DW0)\_1263.19lm@250mA\_CCT=6500K\_P=8.5W\_I=0.25A

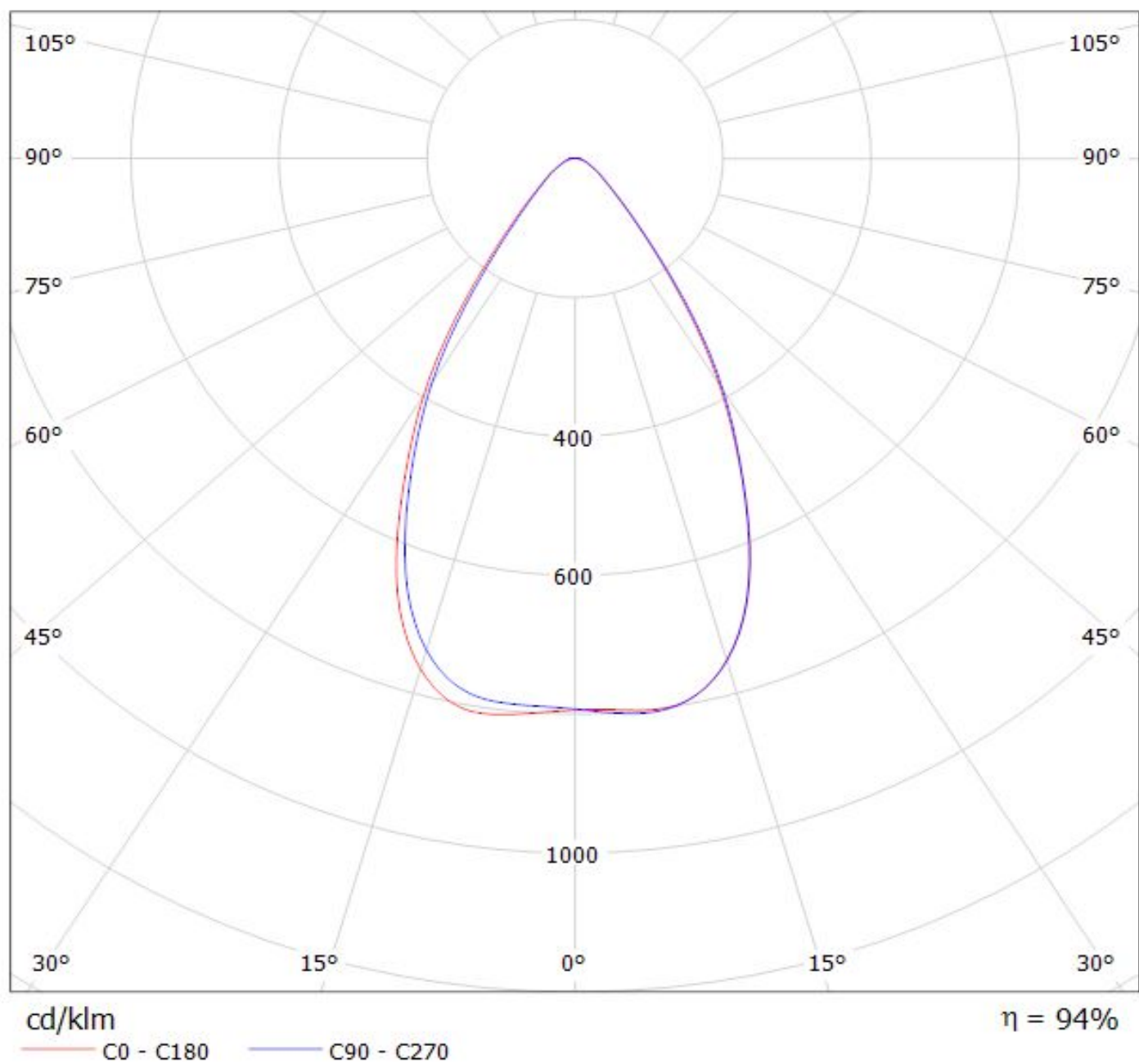


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XT-E)

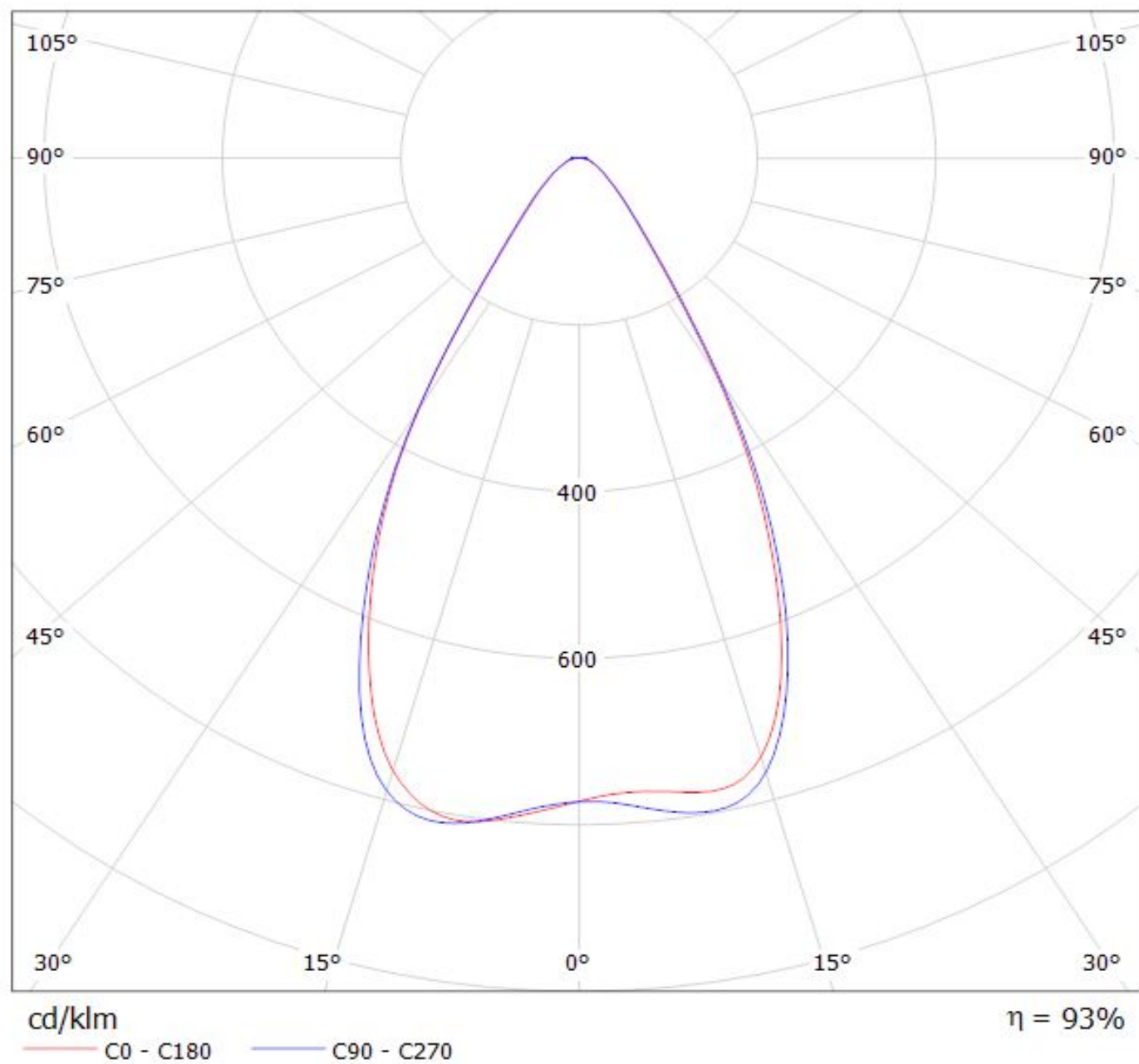
Lamps: 1 x CREE\_XT-E\_6x2\_(XTEAWT-00-0000-000000HE4)\_1253.92lm@250mA\_P=8.86265W\_I=249.8mA



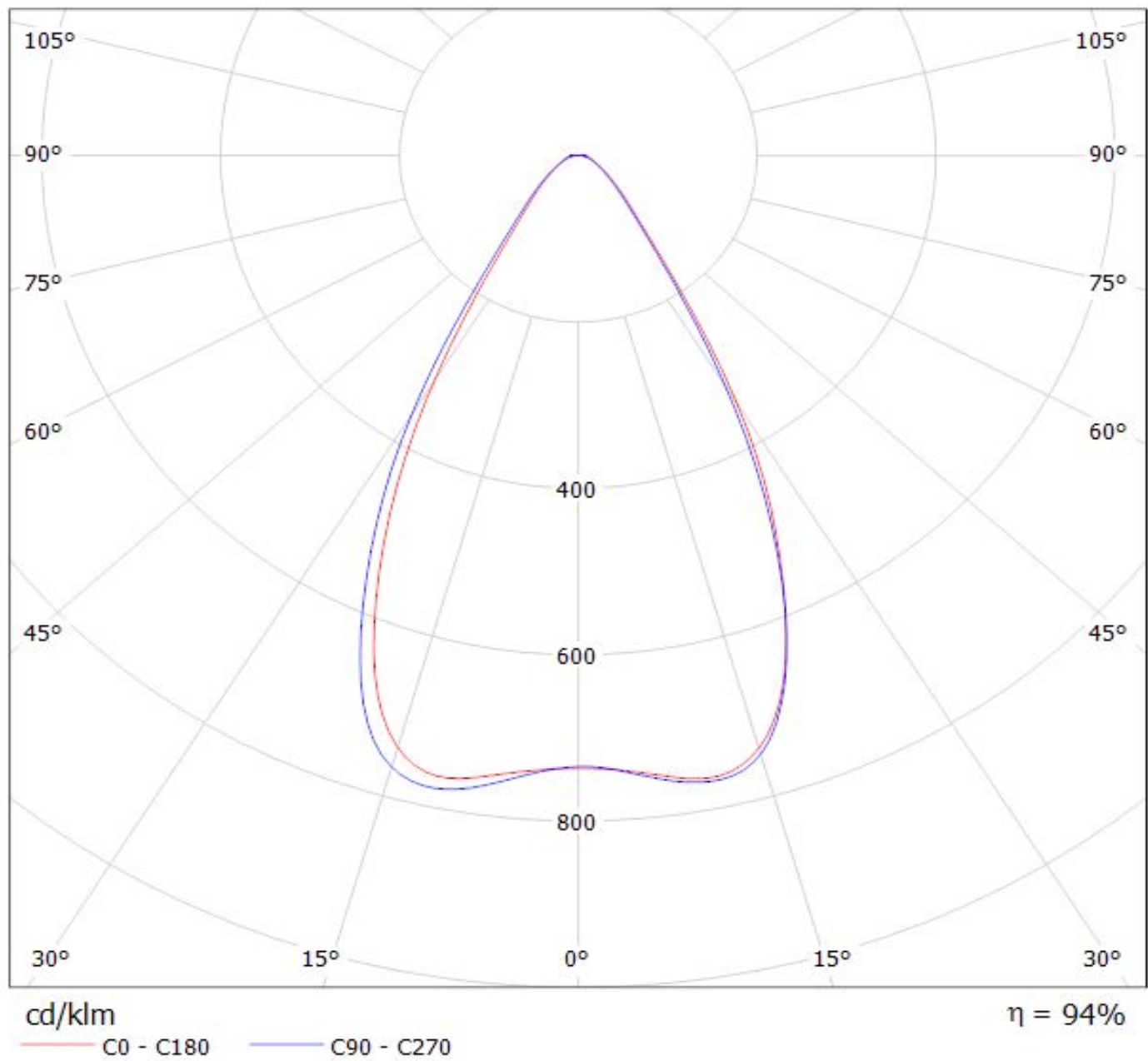
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XM-L2) Eff.94.0%  
Lamps: 1 x CREE\_XM-L2\_2x6\_1197.78lm@250mA\_P=8.38555W\_I=254.1mA



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-G2) Eff.93.2%  
Lamps: 1 x CREE\_XP-G2\_1303lm@250mA\_P=8.58363W\_I=249.8mA

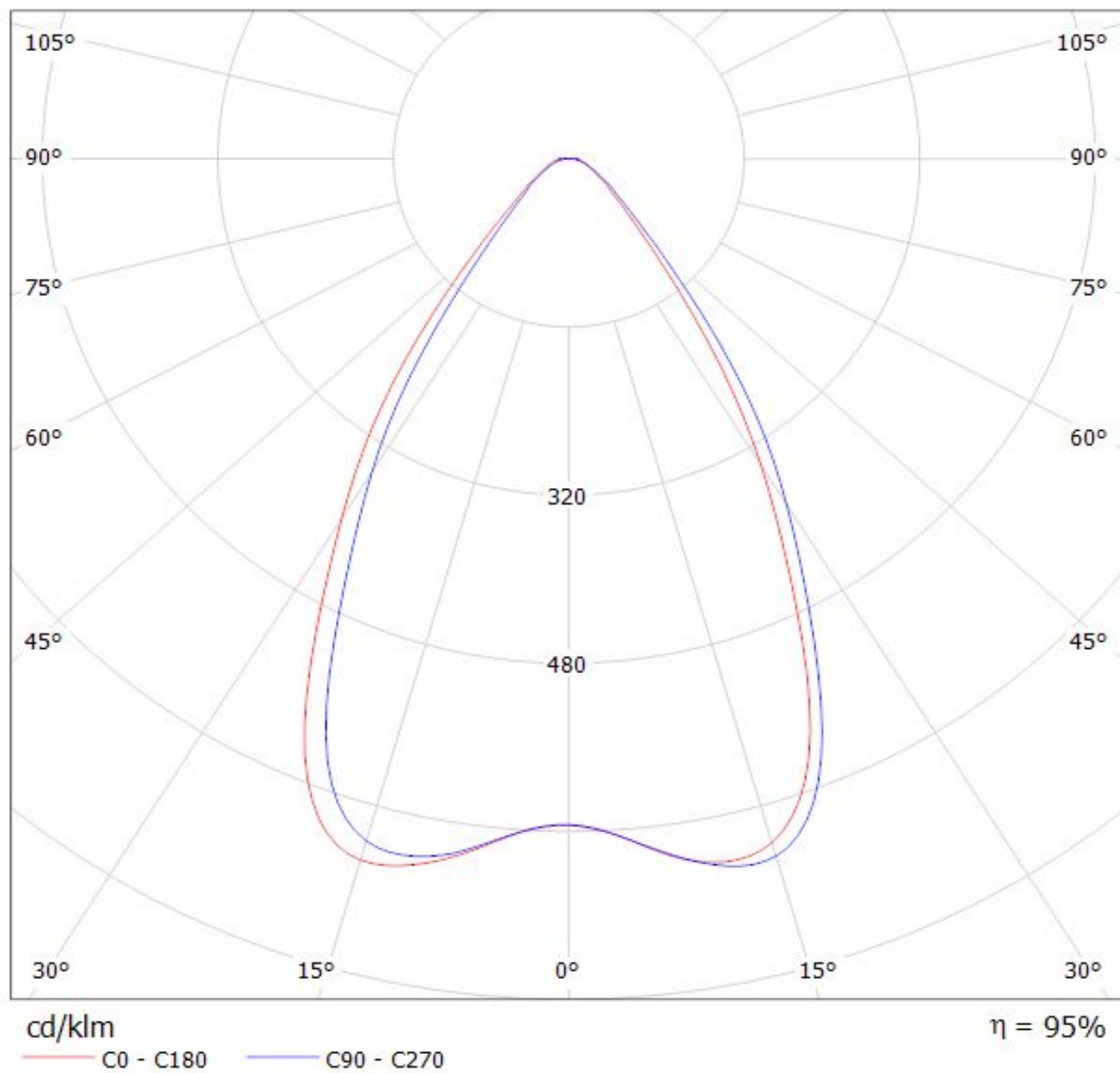


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-G) Eff.94.0%  
Lamps: 1 x CREE\_XP-G\_6x2\_799.2lm@250mA\_P=8.52542W\_I=249.8mA



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XP-L)

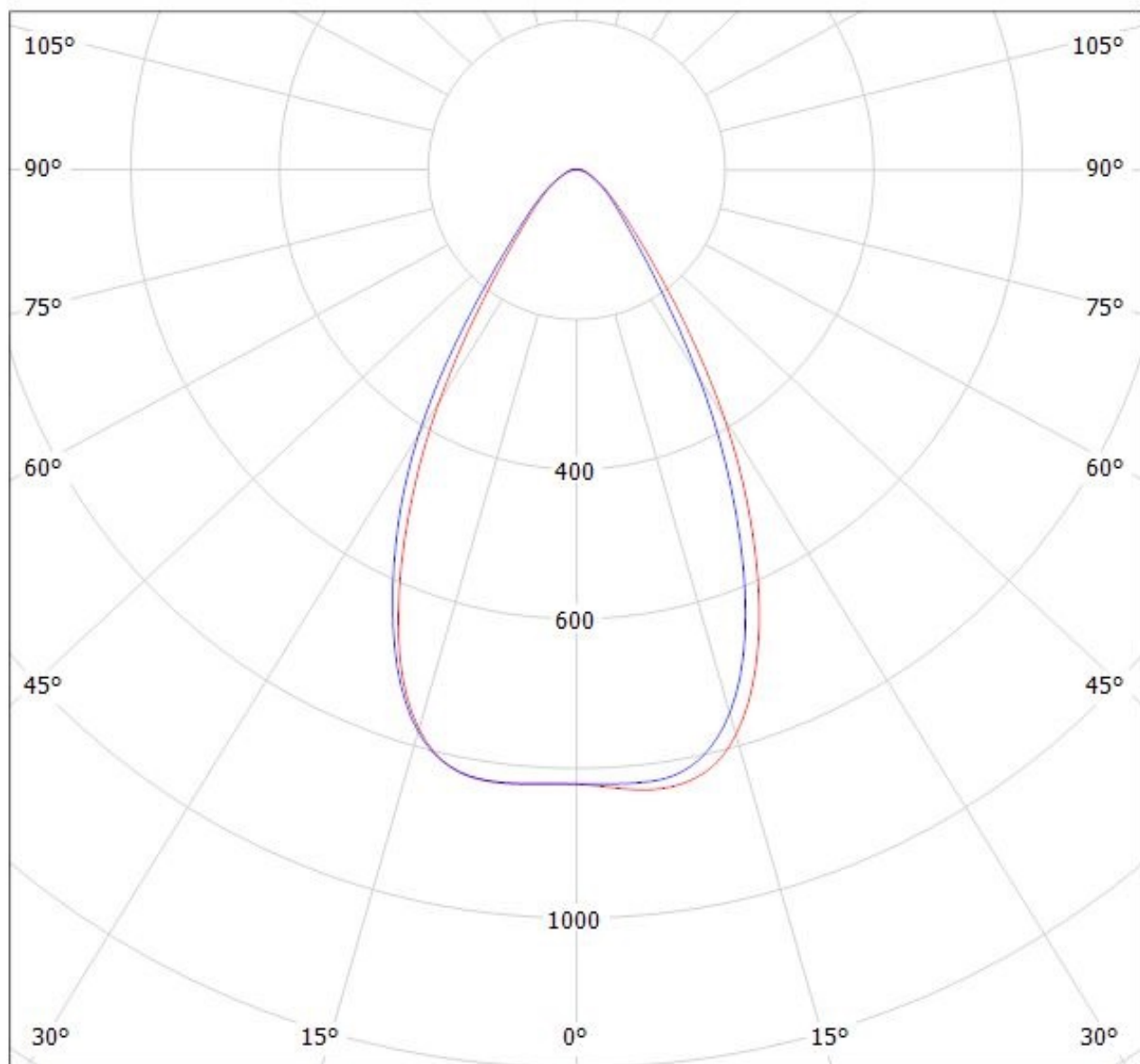
Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA





Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XP-G3)

Lamps: 1 x Cree\_XP-G3\_6x2\_(XPGDWT-B1-6C1-S3-0-01)\_1521.26lm@250mA\_P=8.253W\_I=0.25A



cd/klm

— C0 - C180

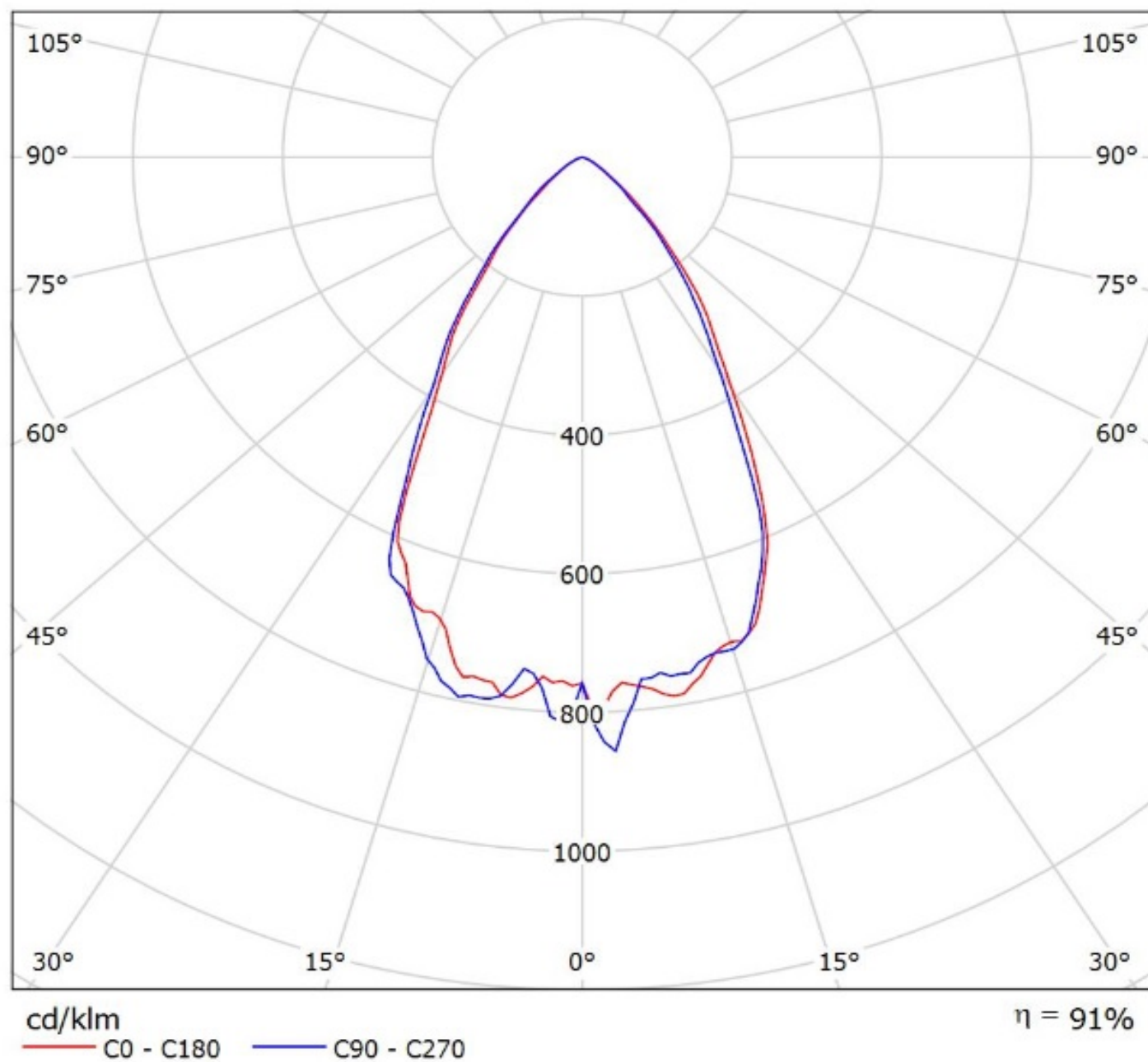
— C90 - C270

$\eta = 94\%$



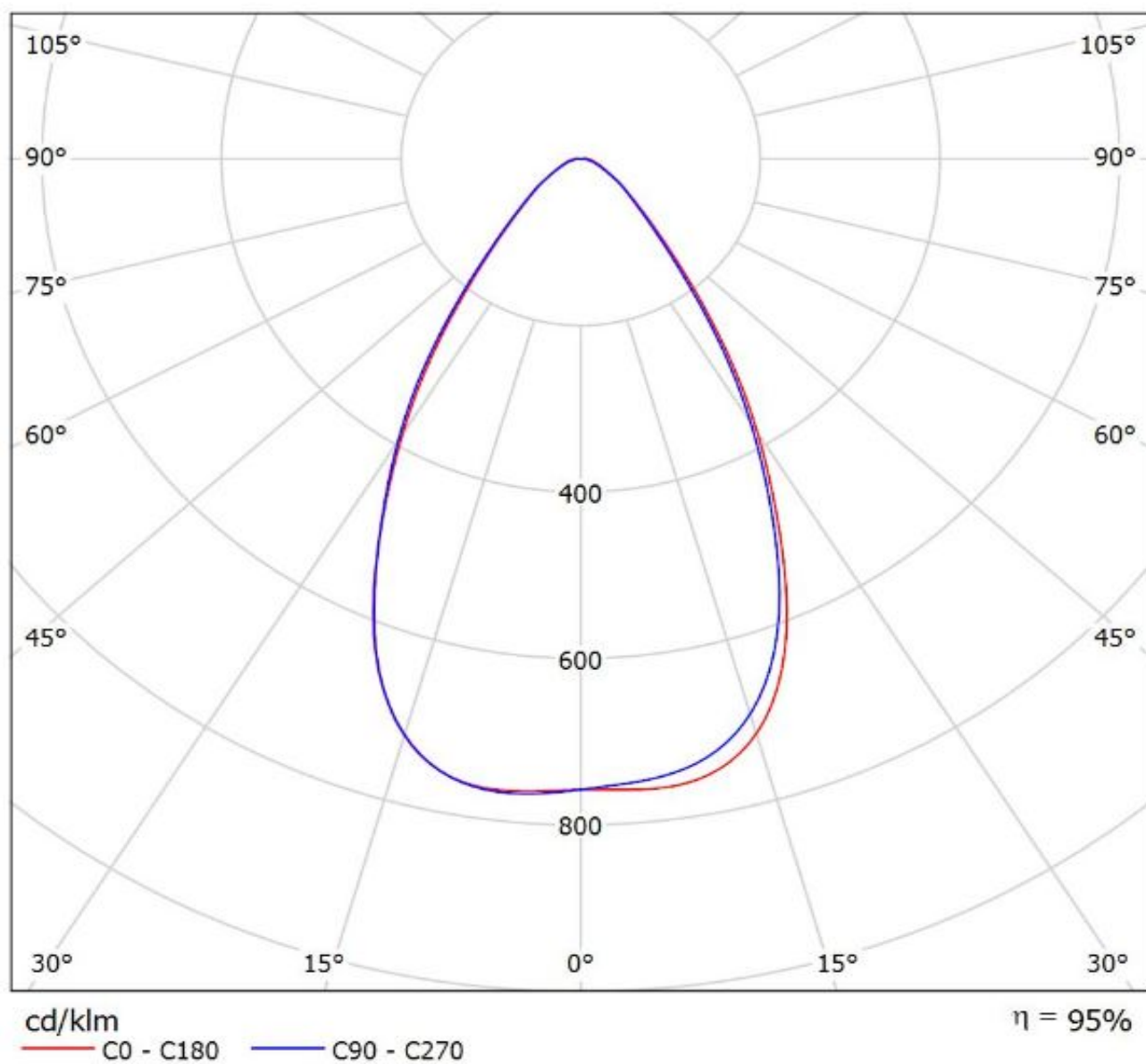
Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W-MH-B\_SIMULATED

Lamps: 1 x Cree MH-B

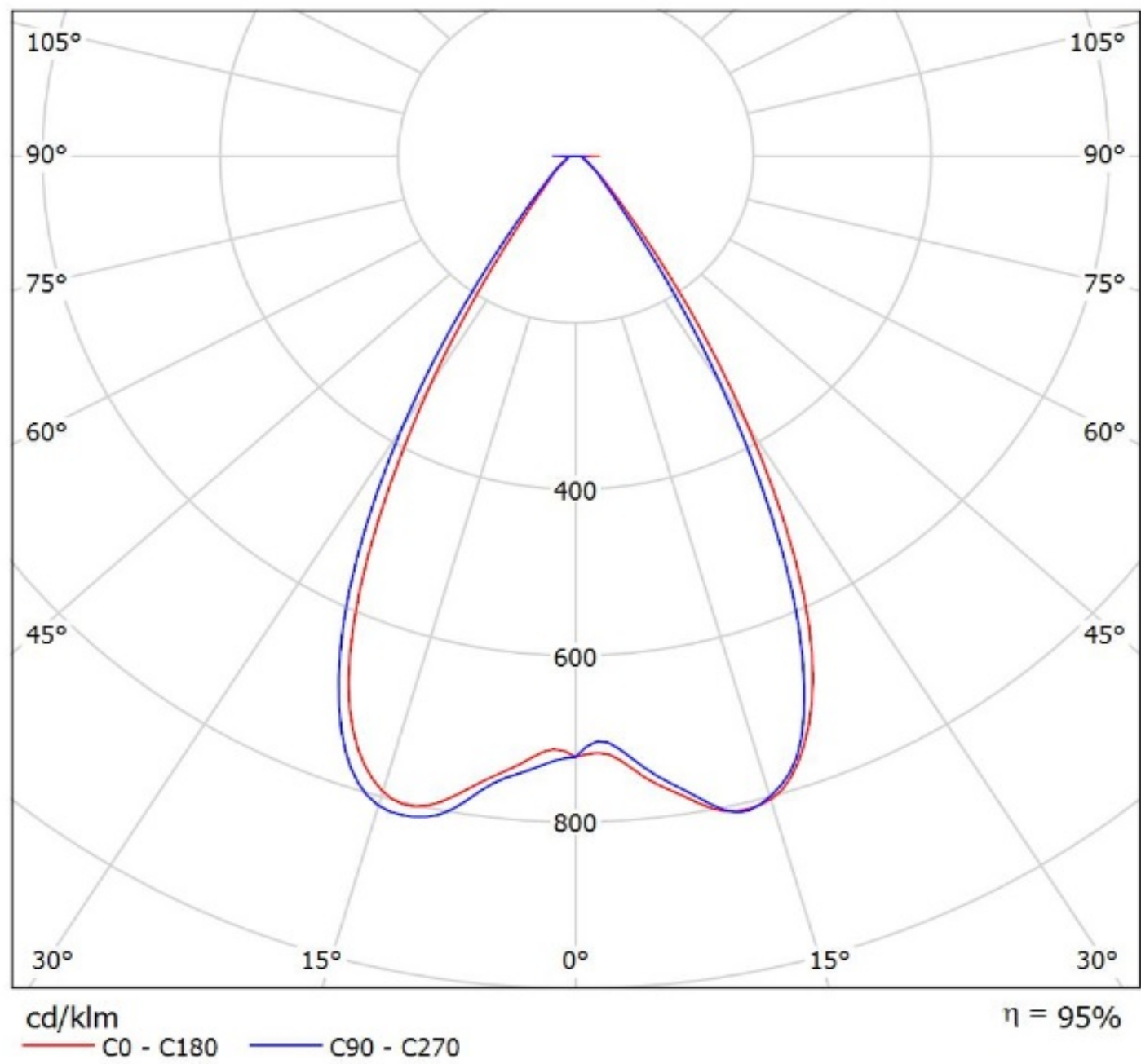


Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_2x6\_1659.4lm@250mA\_P=8.22525W\_I=0.25A

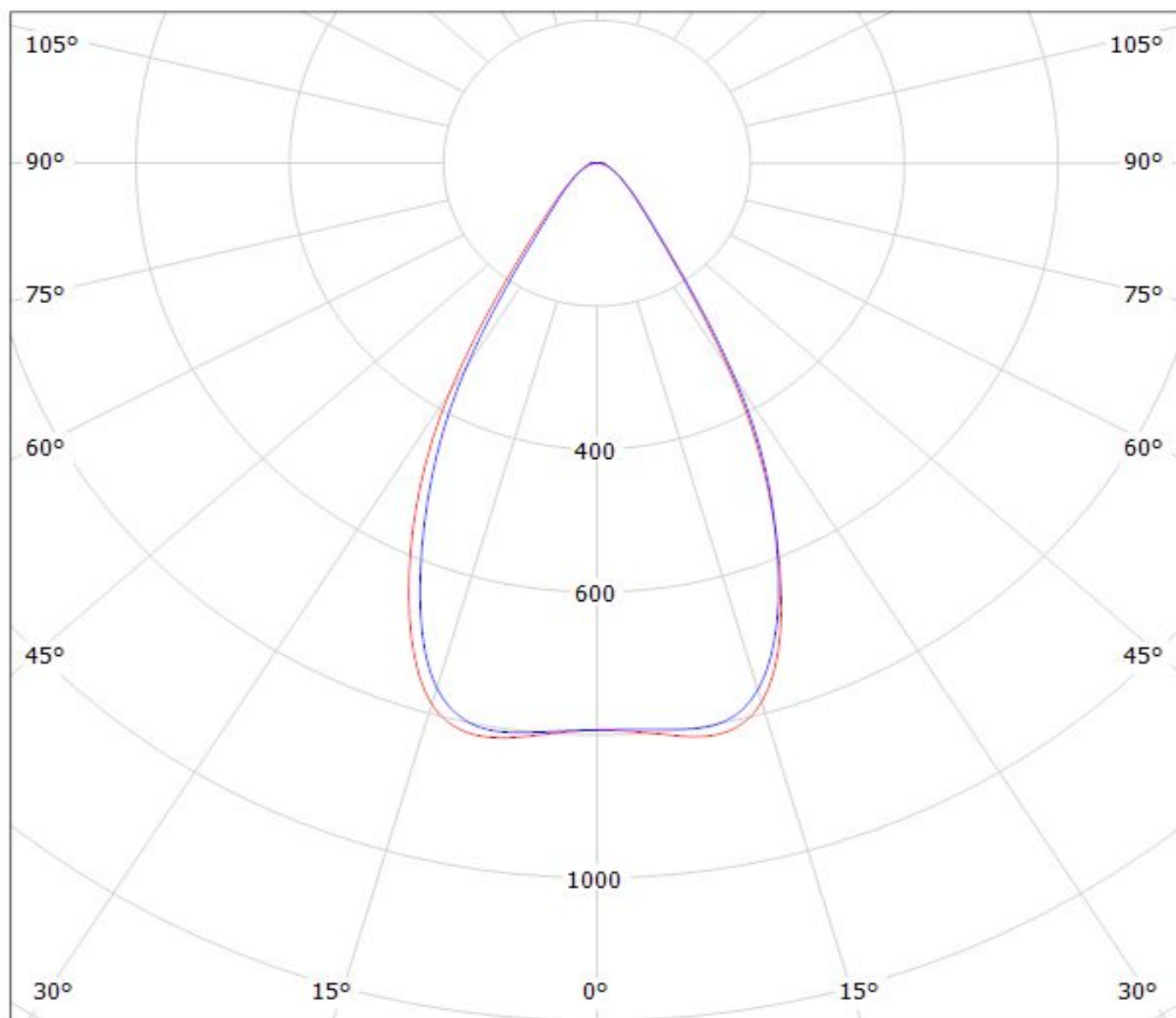


Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W\_(H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(LUXEON\_T) Eff.94.0%

Lamps: 1 x LUXEON\_T\_6x2\_(LXH8-FW30)\_1062.6lm@250mA\_P=8.46572W\_I=249.8mA



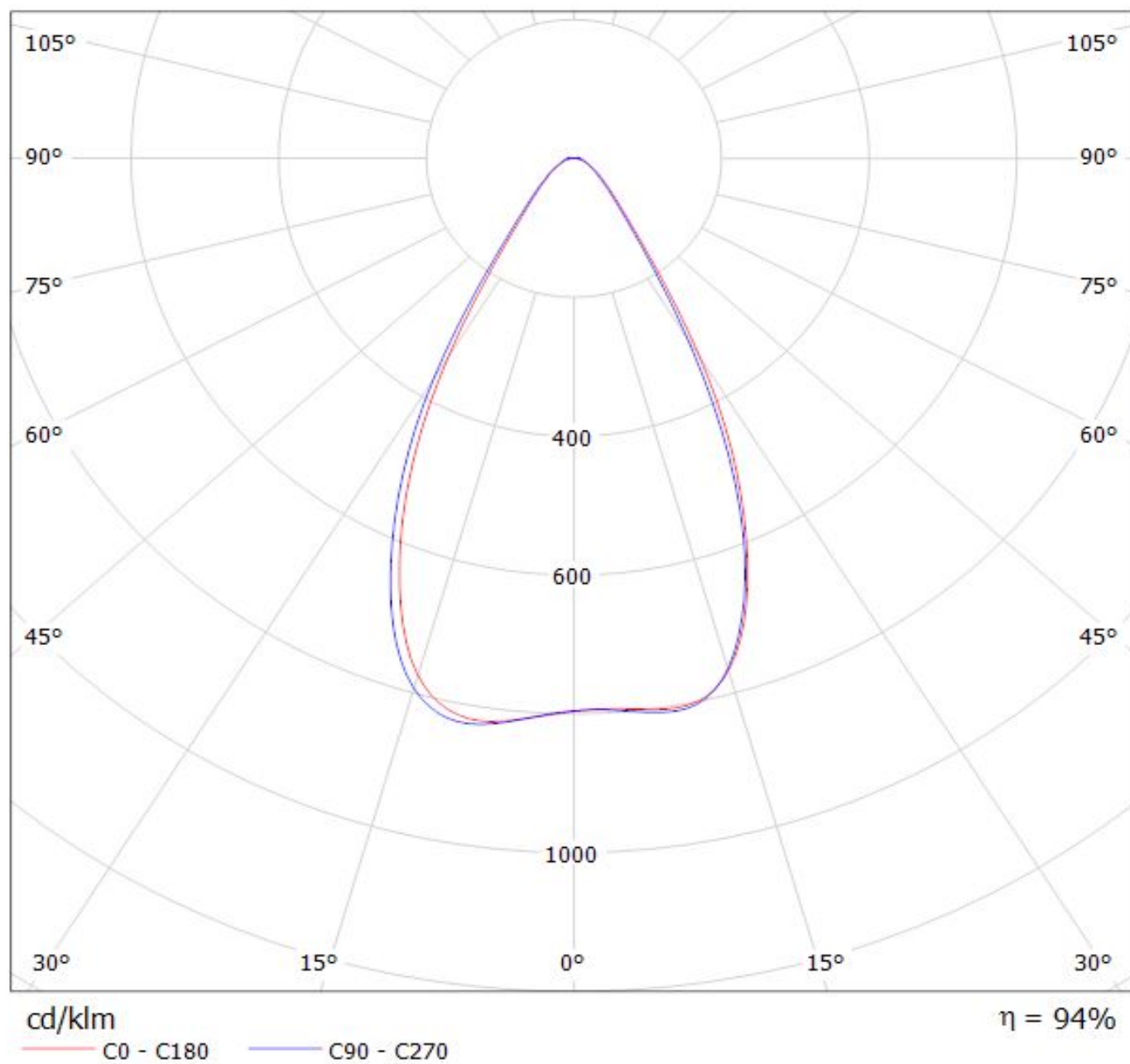
cd/klm

$\eta = 94\%$

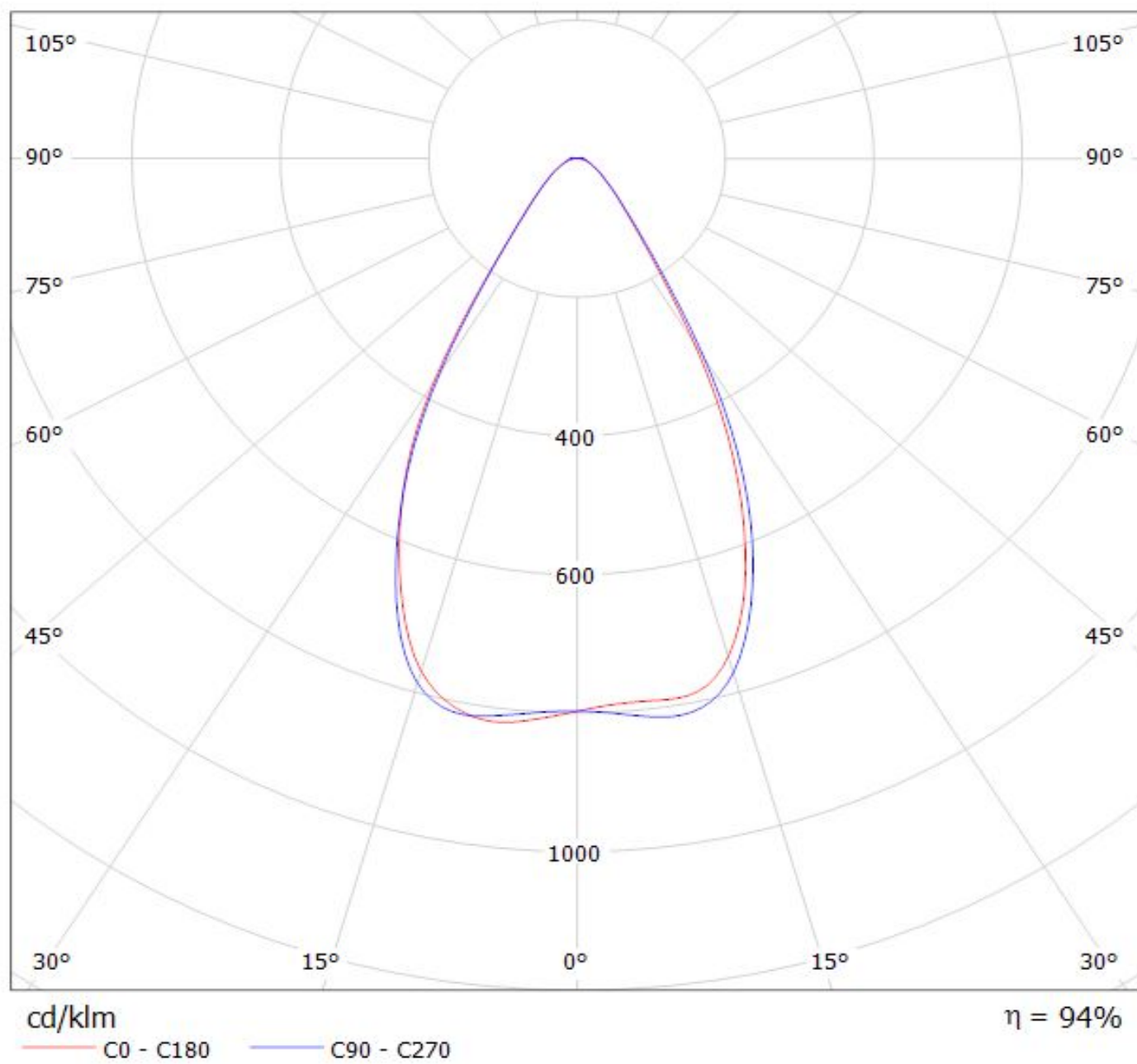
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(REBEL-ES) Eff.94.0%  
Lamps: 1 x Luxeon\_Rebel-ES\_2x6\_864.2lm@250mA\_P=9.03127W\_I=249.8mA

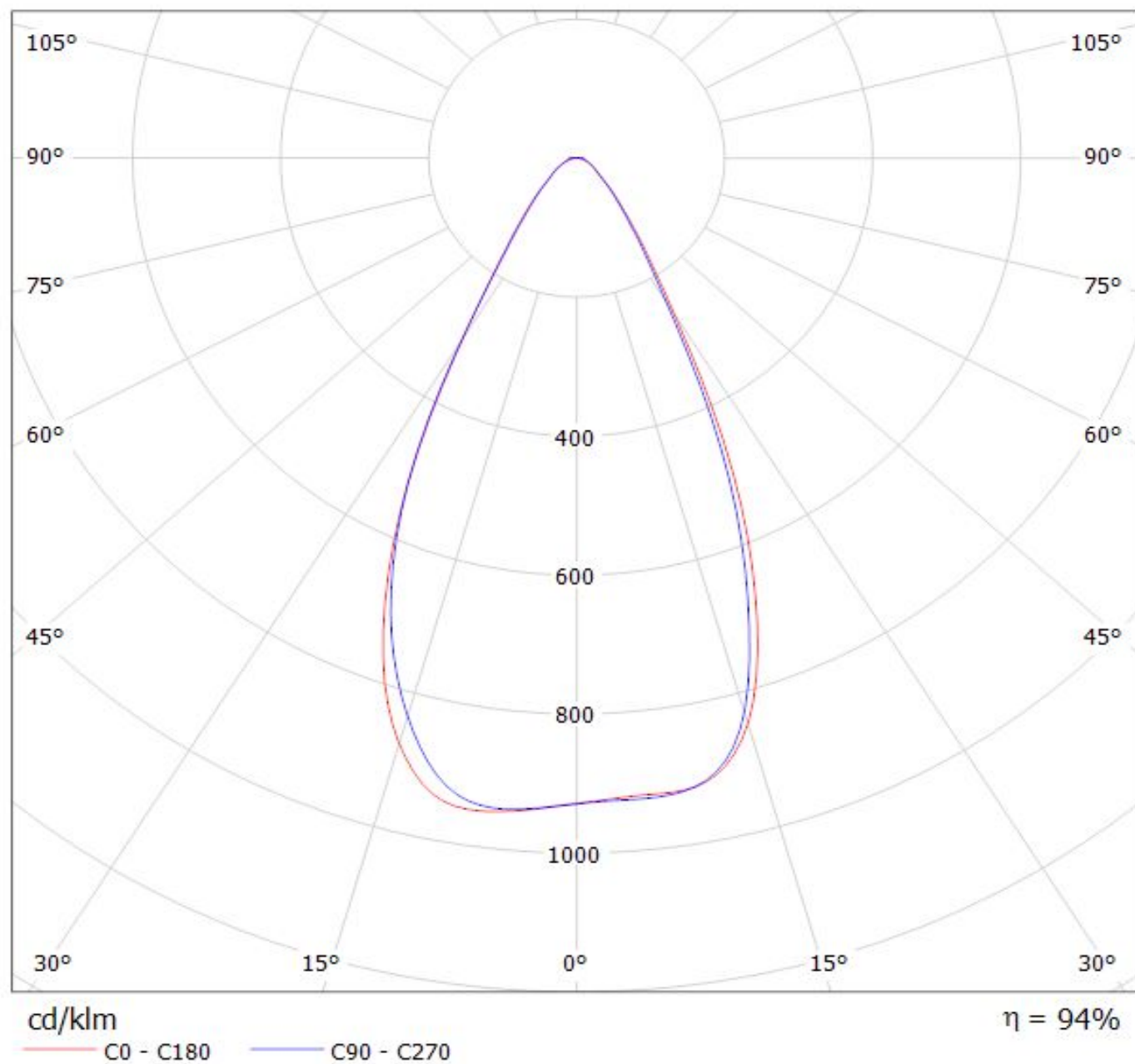


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(LUXEON-R) Eff.94.0%  
Lamps: 1 x Luxeon\_R\_6x2\_1154lm@250mA\_P=8.29161W\_I=249.8mA

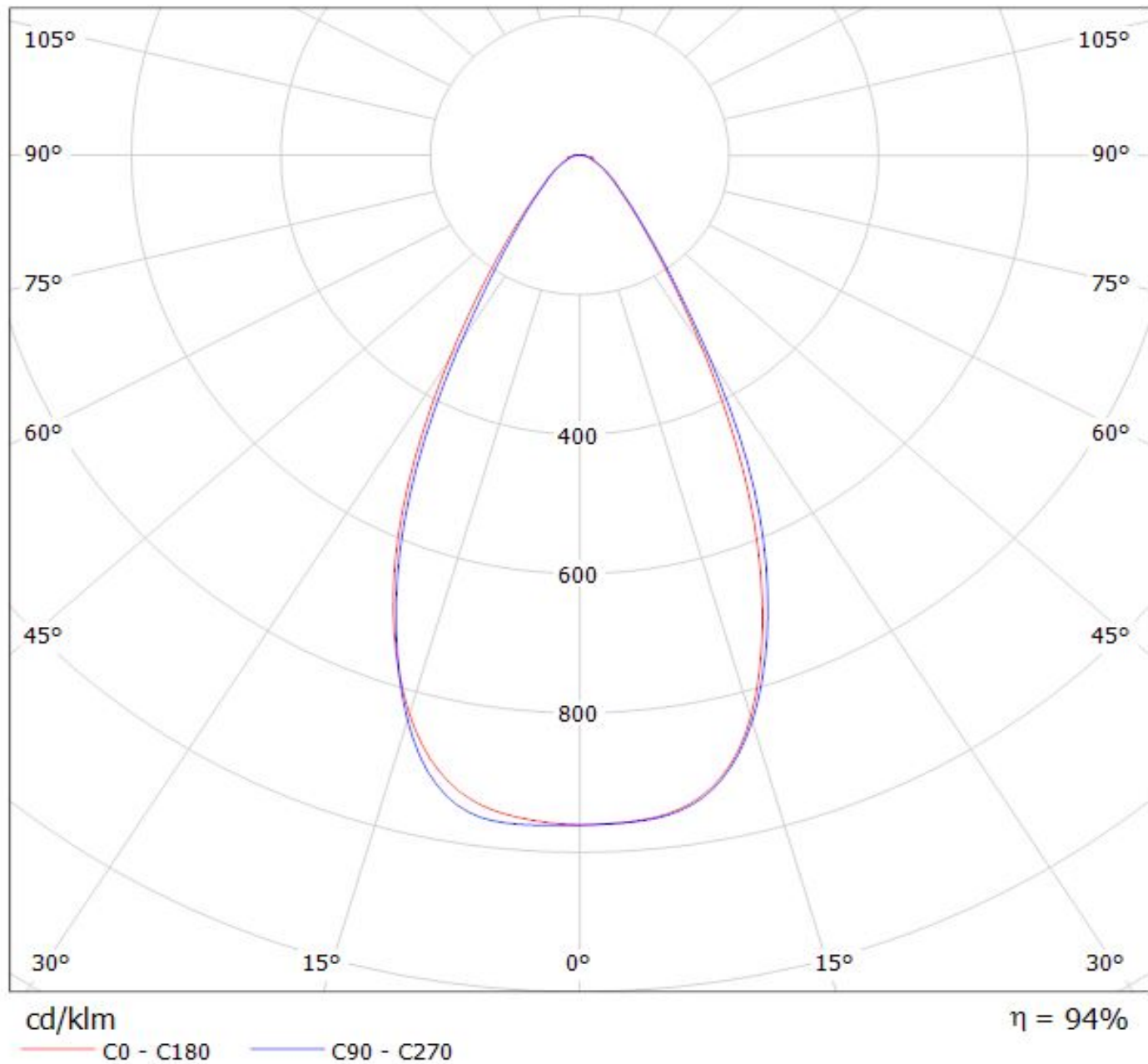




Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(LUXEON\_Z\_ES) Eff.94.0%  
Lamps: 1 x LUXEON\_Z\_ES\_990.2lm@250mA\_P=8.31159W\_I=249.8mA



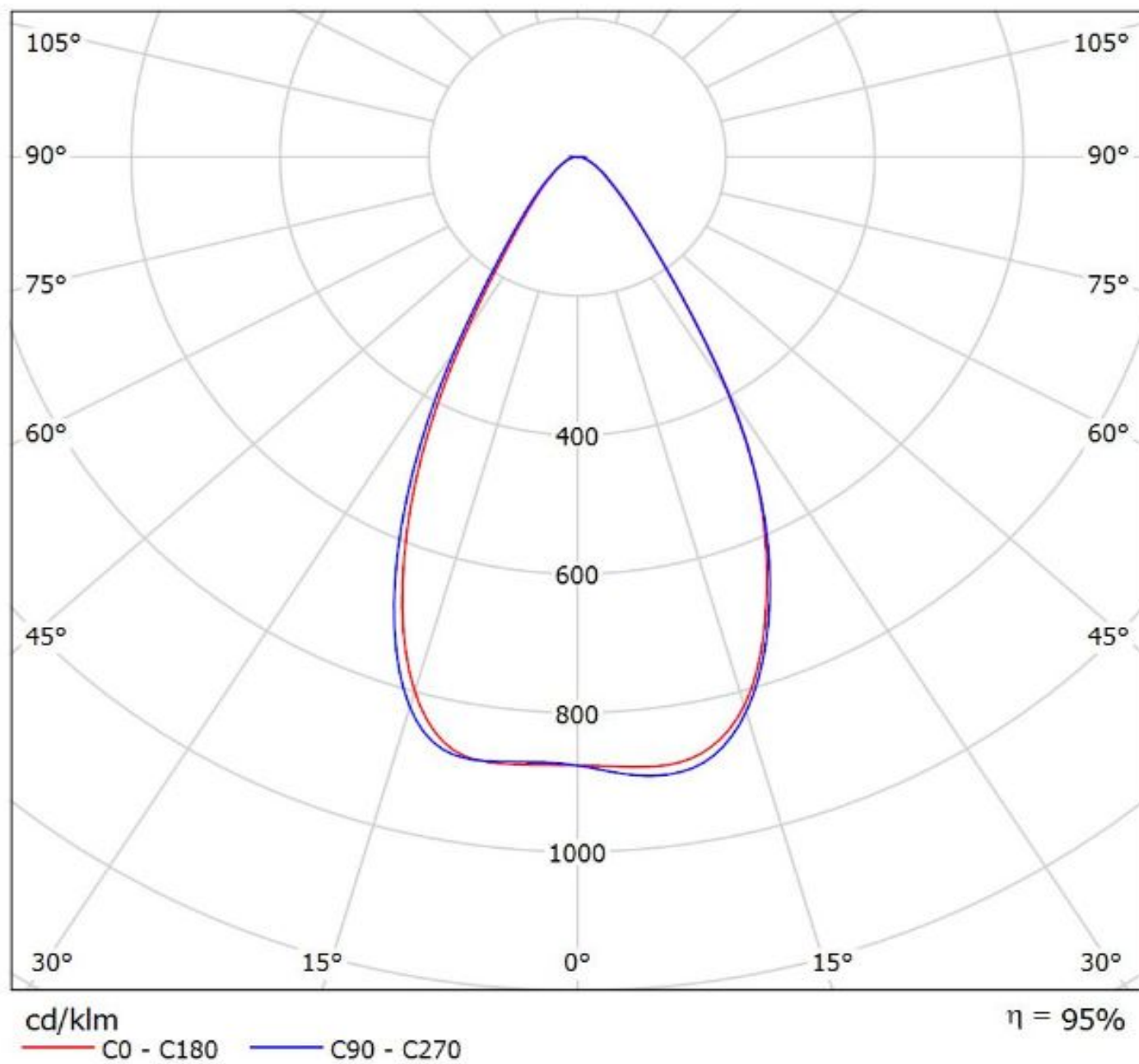
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x6\_1301.4lm@250mA\_P=8.26138W\_I=249.8mA



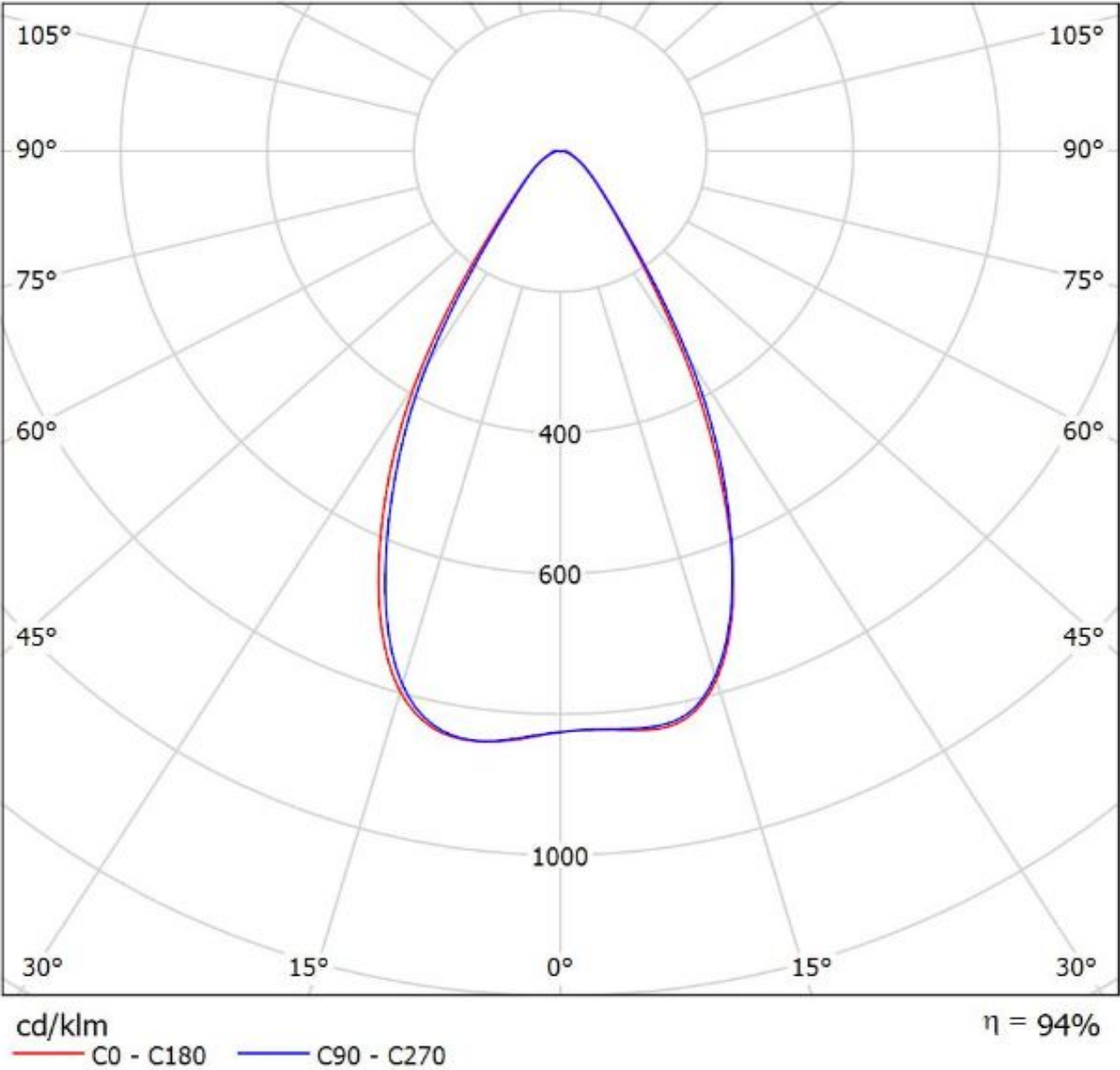


Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(XR-TX)

Lamps: 1 x Luxeon\_XR-TX\_1376.41lm@250mA\_P=8.3920W\_I=0.250A

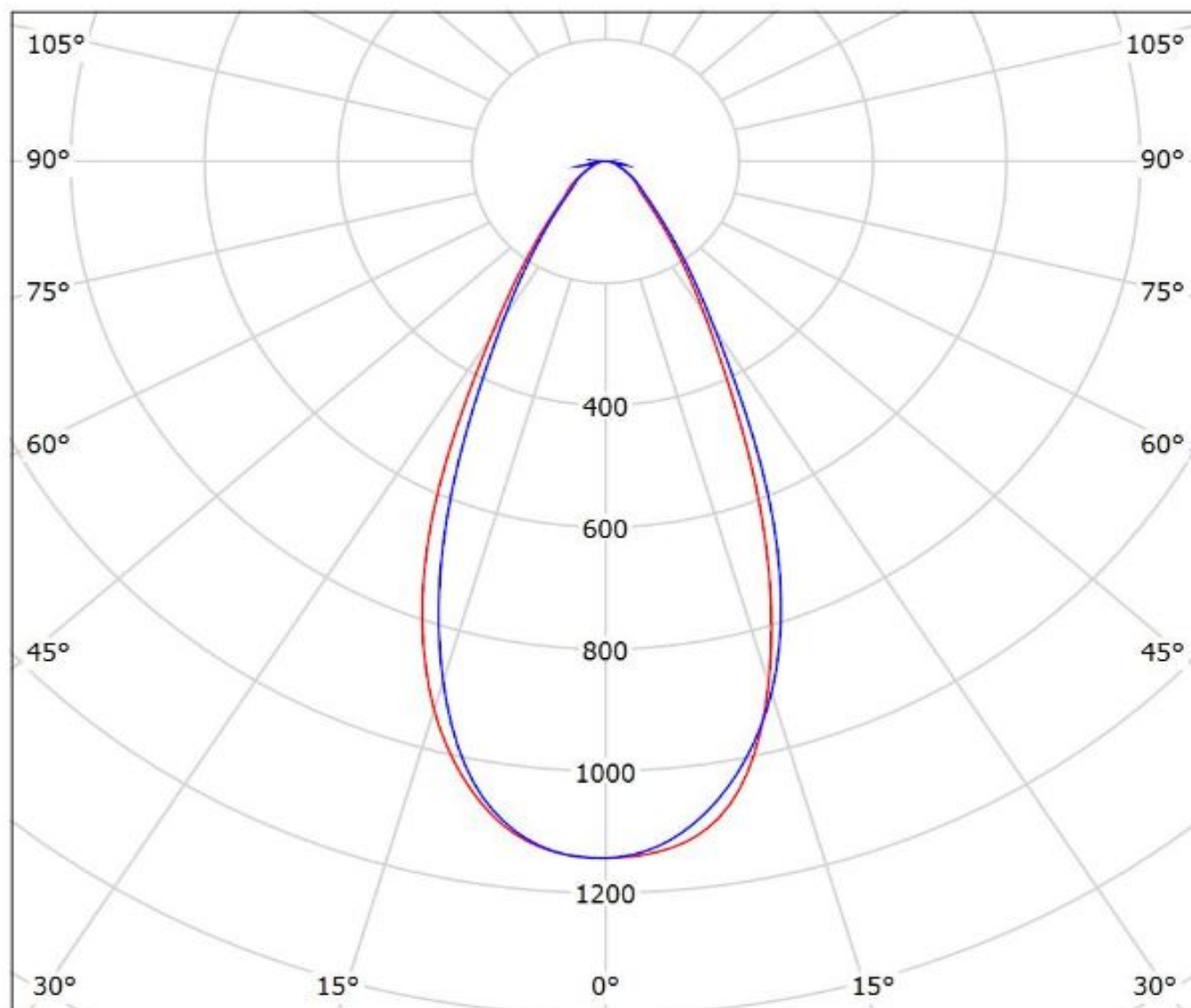


Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(NVSL219CT)  
Lamps: 1 x Nichia\_NVSL219CT\_2x6\_1262.53lm@250mA\_P=8.35825W\_I=0.25A



Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Nichia\_E21)

Lamps: 1 x Nichia\_NVSWWE21A\_583.232lm@600mA\_P=3.51742W\_I=0.600A

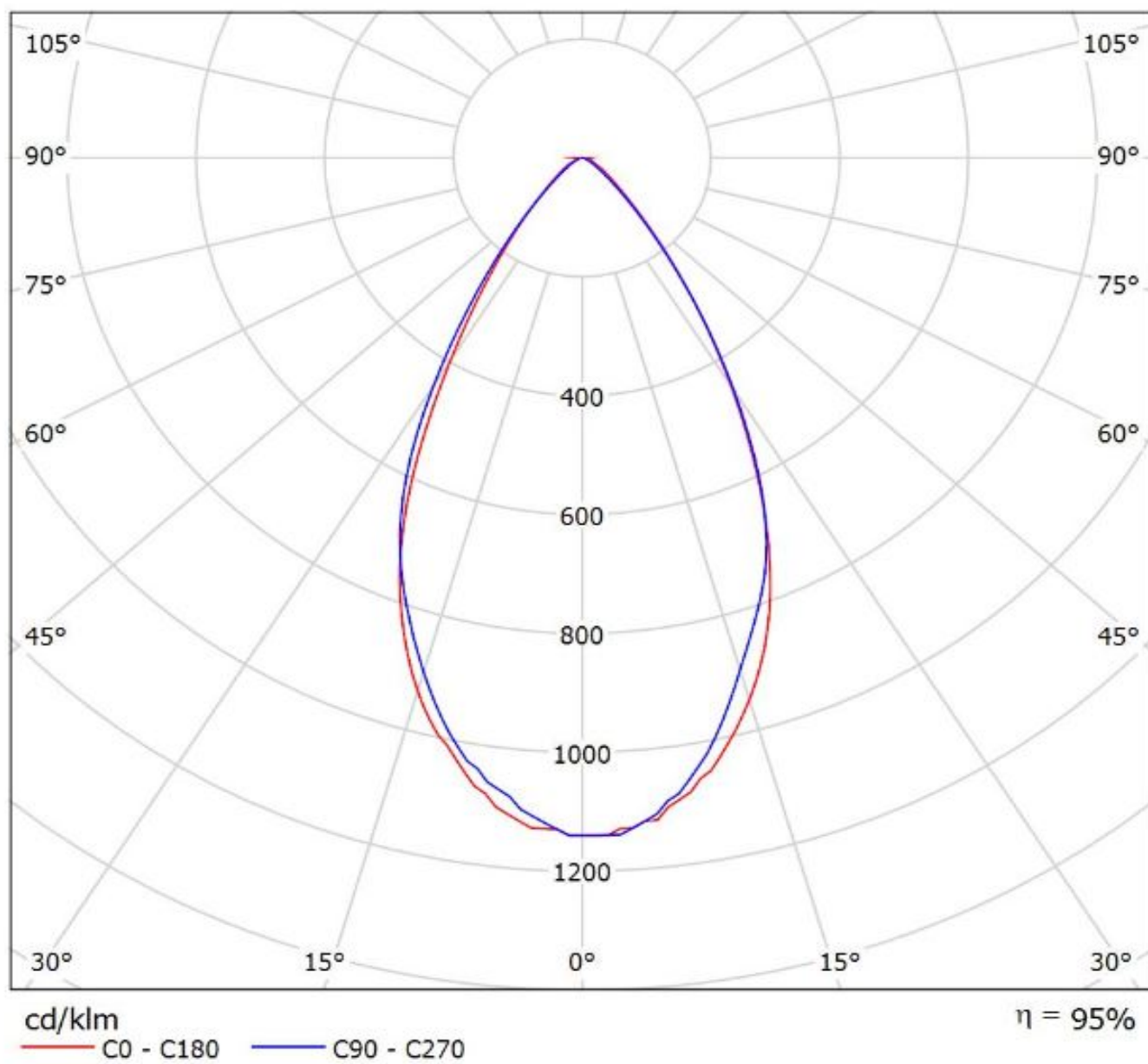


cd/klm

— C0 - C180 — C90 - C270

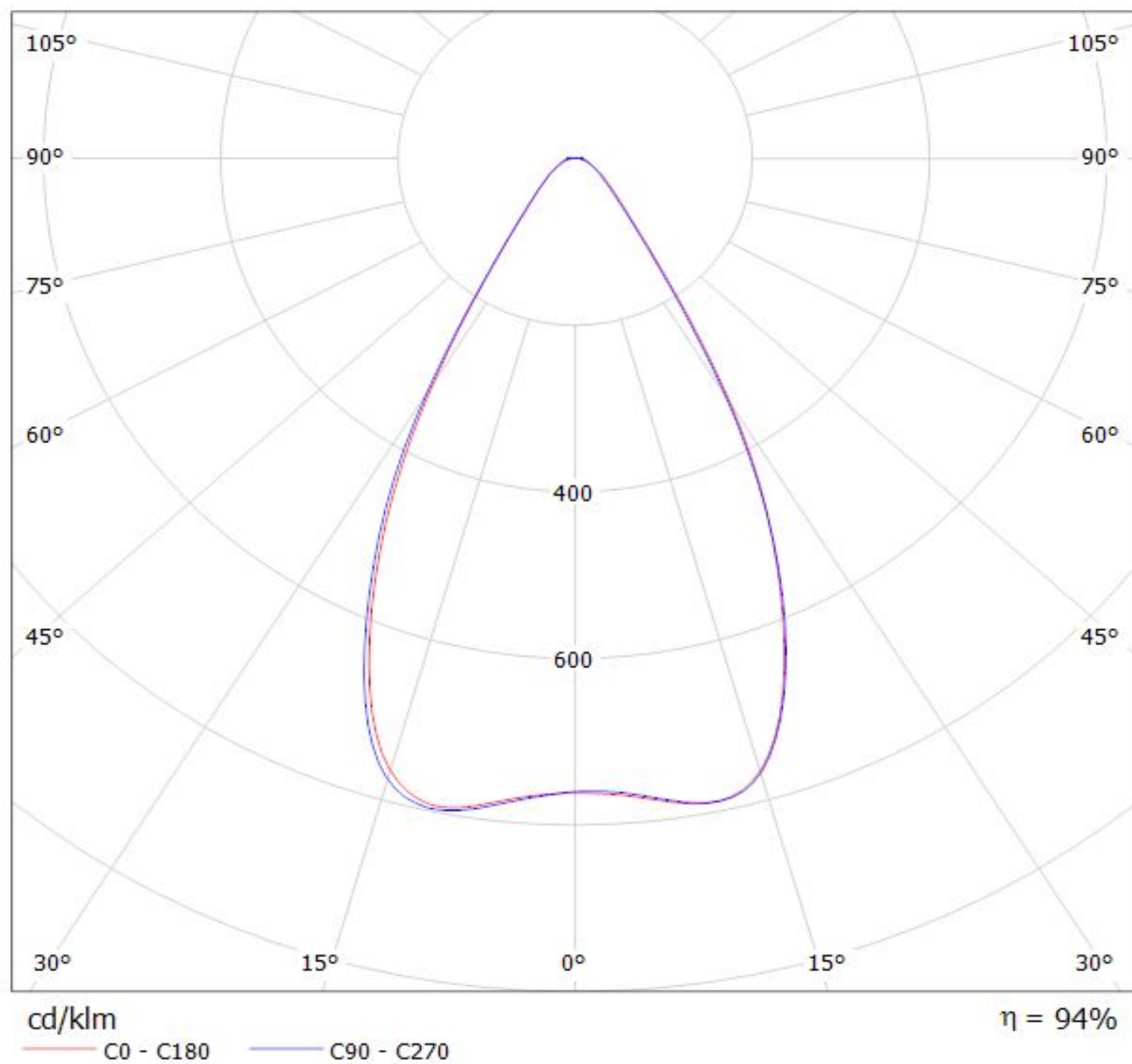
η = 96%

Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W-DURIS-S8\_SIMULATED  
Lamps: 1 x DURIS-S8

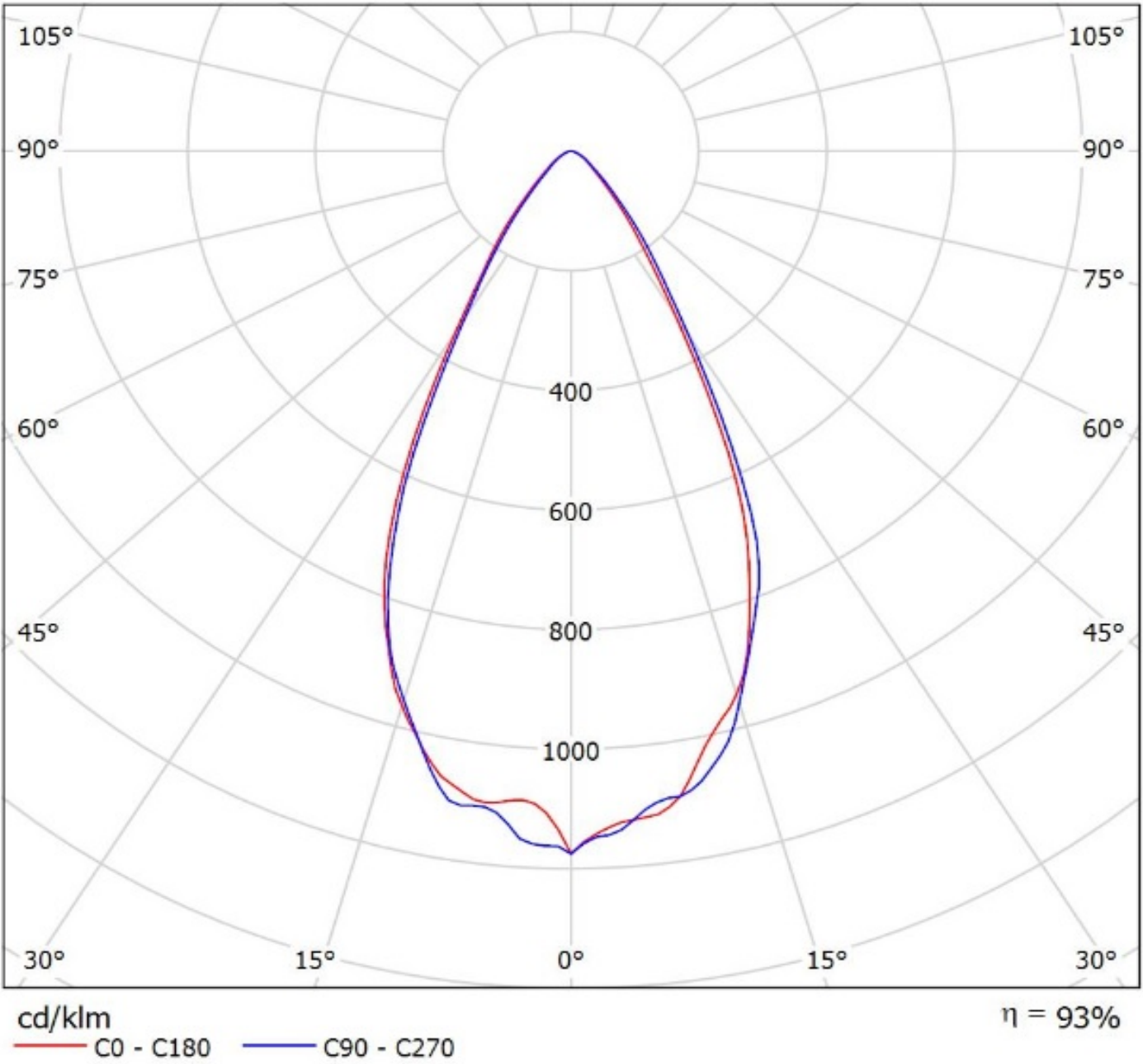


Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(Z5M1) Eff.94.0%

Lamps: 1 x SEOUL\_Z5M1\_2x6\_(SZ5-M1-WW-C8)\_1177.2lm@250mA\_P=8.5619W\_I=249.8mA



Luminaire: Ledil Oy CS14130\_HB-IP-2X6-W\_MJT4040\_SIMULATED  
Lamps: 1 x

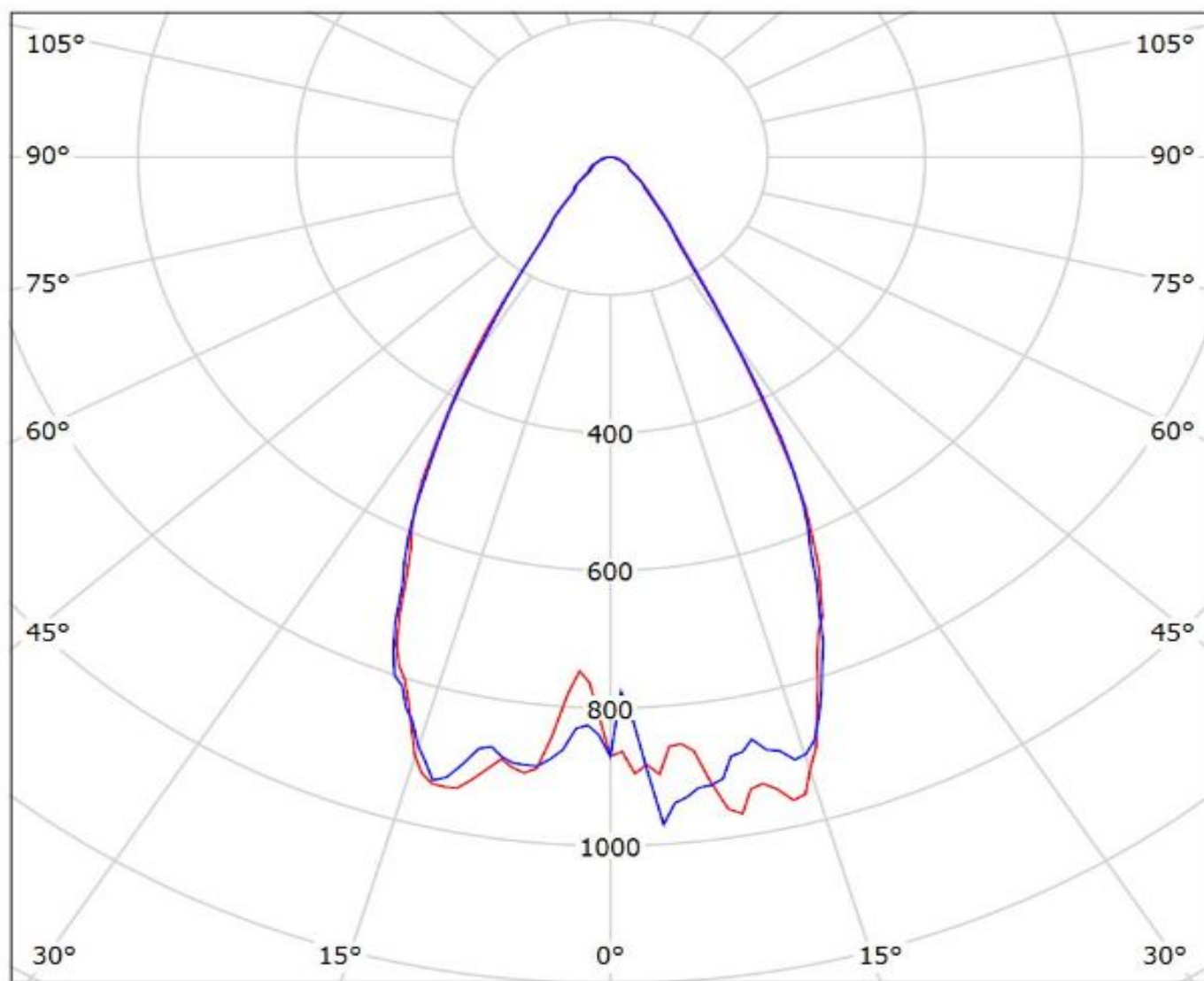




## Ledil Oy CS14130HB-IP-2X6-W / LDC (Polar)

Luminaire: Ledil Oy CS14130HB-IP-2X6-W

Lamps: 1 x SEOUL\_Z5M



cd/klm

— C0 - C180

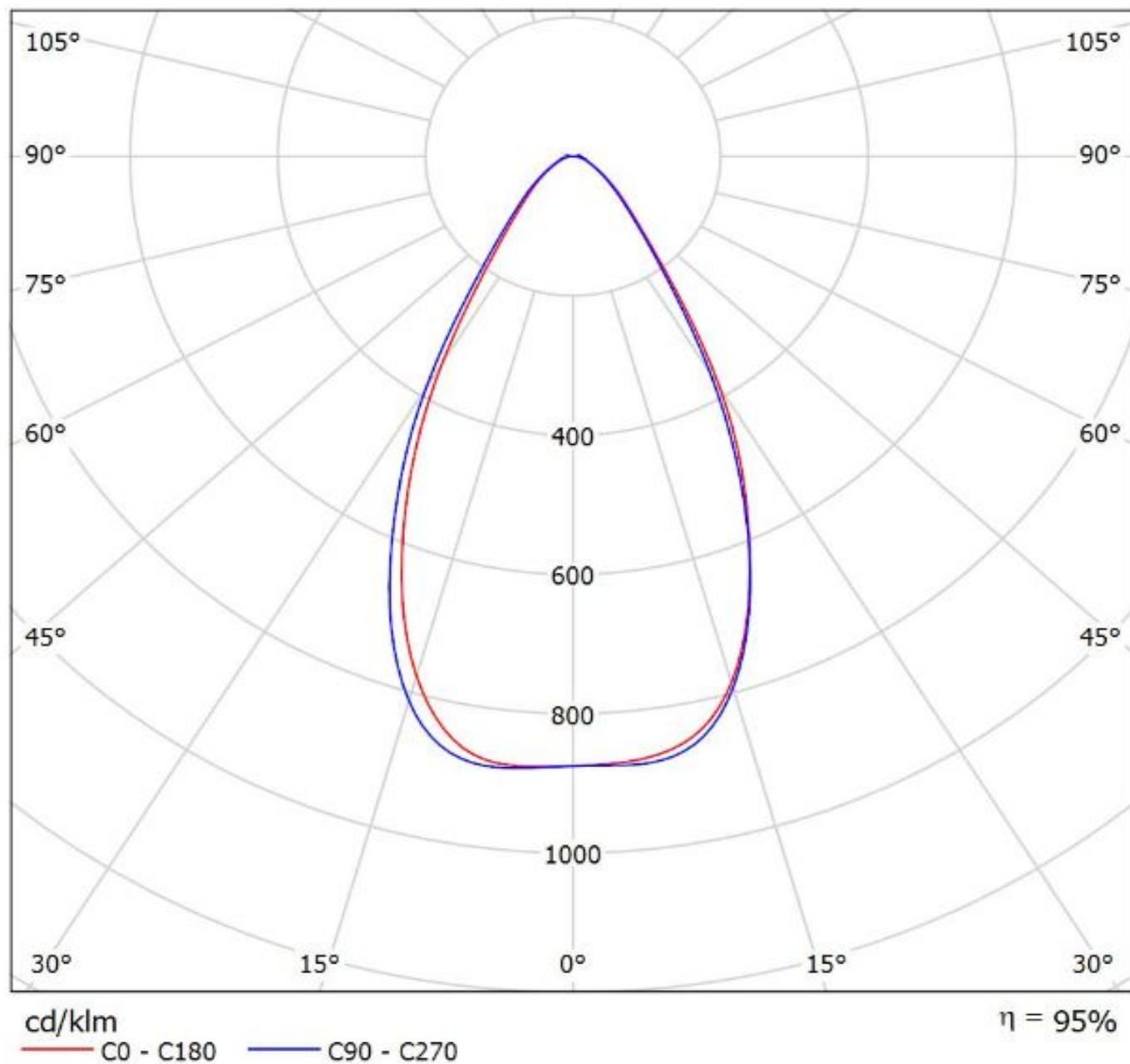
— C90 - C270

$\eta = 95\%$



Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(Z8Y22\_PLUS)

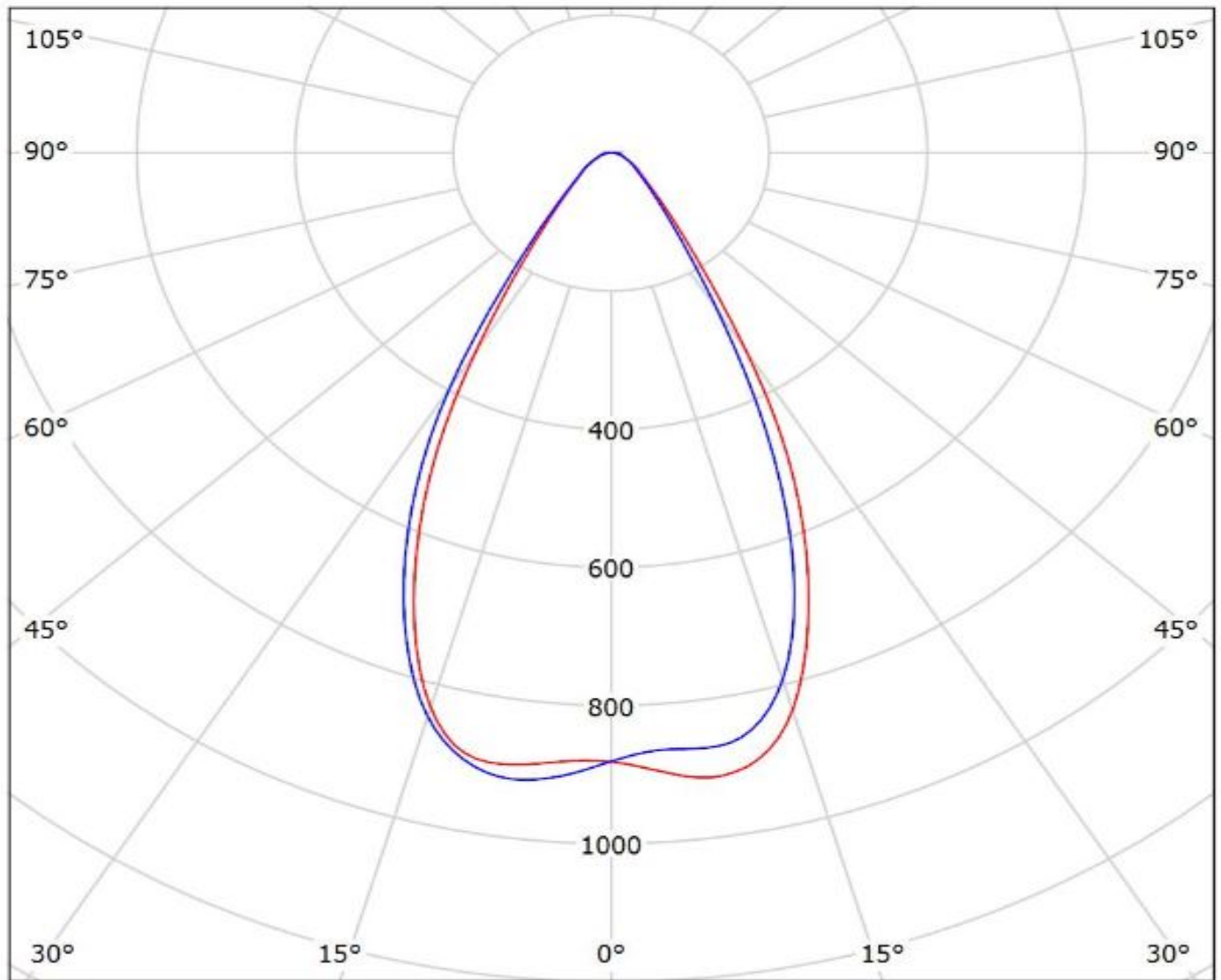
Lamps: 1 x Seoul\_Z8Y22\_PLUS\_2X6\_(SZ8-Y22-W0-C7P)1489.65lm@250mA\_P=8.30675W\_I=0.250A



## Ledil CS14130\_HB-IP-2X6-W\_(TL1L4) / LDC (Polar)

Luminaire: Ledil CS14130\_HB-IP-2X6-W\_(TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_2x6\_(TL1L4-DW0)\_1263.19lm@250mA\_CCT=6500K\_P=8.5W\_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$

**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.**