

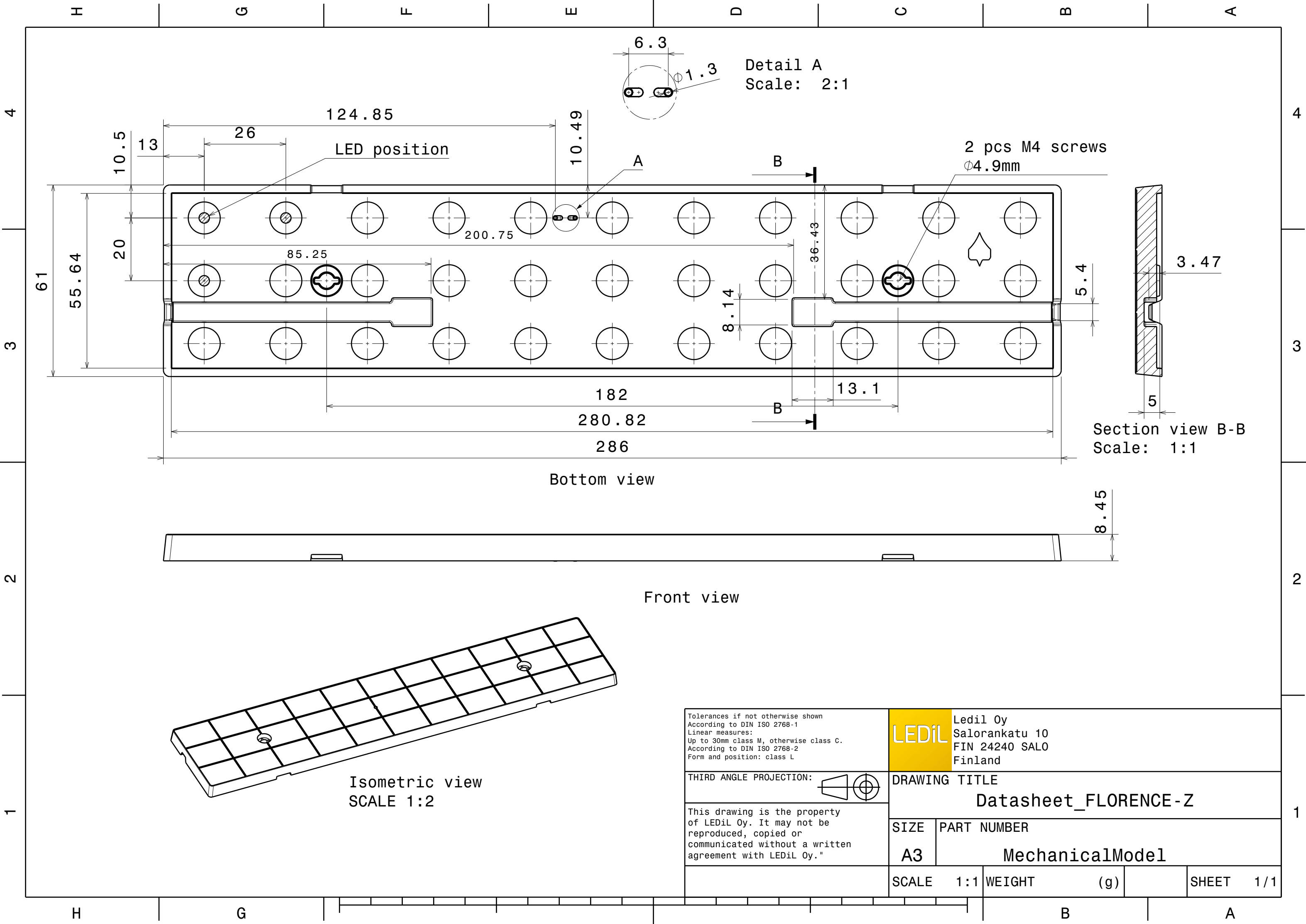
## DETAILS

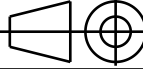
|                        |                     |
|------------------------|---------------------|
| <b>Product Number</b>  | F13853_FLORENCE-Z90 |
| <b>Family</b>          | Florence            |
| <b>Type</b>            | Lens array          |
| <b>Color</b>           | clear               |
| <b>Diameter</b>        | 61 x 286 mm         |
| <b>Height</b>          | 8,45 mm             |
| <b>Style</b>           | rectang             |
| <b>Optic Material</b>  | PMMA                |
| <b>Holder Material</b> |                     |
| <b>Fastening</b>       | screw               |
| <b>Status</b>          | ready               |
| <b>ROHS Compliant</b>  | Yes                 |
| <b>Date Updated</b>    | 18/08/2015          |

## OPTICAL PROPERTIES

| LED                                          | Viewing Angle | Light Beam | Efficiency | cd/lm      | Connector |
|----------------------------------------------|---------------|------------|------------|------------|-----------|
| LG 7030                                      | sim: 91       | WWW-class  | -          | sim: 0.320 | -         |
| NF2x757G                                     | sim: 90       | WWW-class  | sim: 80 %  | sim: 0.370 | -         |
| LM561B                                       | 86 deg        | WWW-class  | 85 %       | 0.420      | -         |
| MP-2016                                      | 90 deg        | WWW-class  | 91 %       | 0.420      | -         |
| LM231 A/B                                    | 91 deg        | WWW-class  | 88 %       | 0.414      | -         |
| Duris S5 (Single chip)                       | 91 deg        | WWW-class  | 88 %       | 0.410      | -         |
| LUXEON 3030 2D                               | 91 deg        | WWW-class  | 87 %       | 0.420      | -         |
| LUXEON XR-3535L (L202 - xxxx033C3001)        | 90 deg        | WWW-class  | 93 %       | 0.430      | -         |
| LUXEON 3535 2D                               | 92 deg        | WWW-class  | 87 %       | 0.410      | -         |
| LG 6030                                      | 92 deg        | WWW-class  | 88 %       | 0.410      | -         |
| NF2x757D                                     | 92 deg        | WWW-class  | 90 %       | 0.430      | -         |
| Fortimo LED Line 1ft 1100lm 8x0 3R xV292 deg |               | WWW-class  | 88 %       | 0.400      | -         |
| Duris E5                                     | 92 deg        | WWW-class  | 88 %       | 0.400      | -         |
| 5630 (ASMU-LWG0-NxxE)                        | 92 deg        | WWW-class  | 90 %       | 0.400      | -         |
| PLG2-BAR-1100-xxx-280x55-DC                  | 92 deg        | WWW-class  | 92 %       | 0.420      | -         |
| LG 5630                                      | 93 deg        | WWW-class  | 87 %       | 0.390      | -         |
| Fortimo LED Line 1ft 650lm 8x0 3R xV2        | 93 deg        | WWW-class  | 87 %       | 0.390      | -         |
| STARK LLE-55-280-1650 CLASSIC                | 93 deg        | WWW-class  | 90 %       | 0.420      | -         |
| LT-R286A                                     | 93 deg        | WWW-class  | 93 %       | 0.410      | -         |
| Duris P5                                     | 94 deg        | WWW-class  | 83 %       | 0.370      | -         |
| XH-B/G                                       | 95 deg        | WWW-class  | 82 %       | 0.370      | -         |
| Duris S2                                     | 95 deg        | WWW-class  | 90 %       | 0.350      | -         |

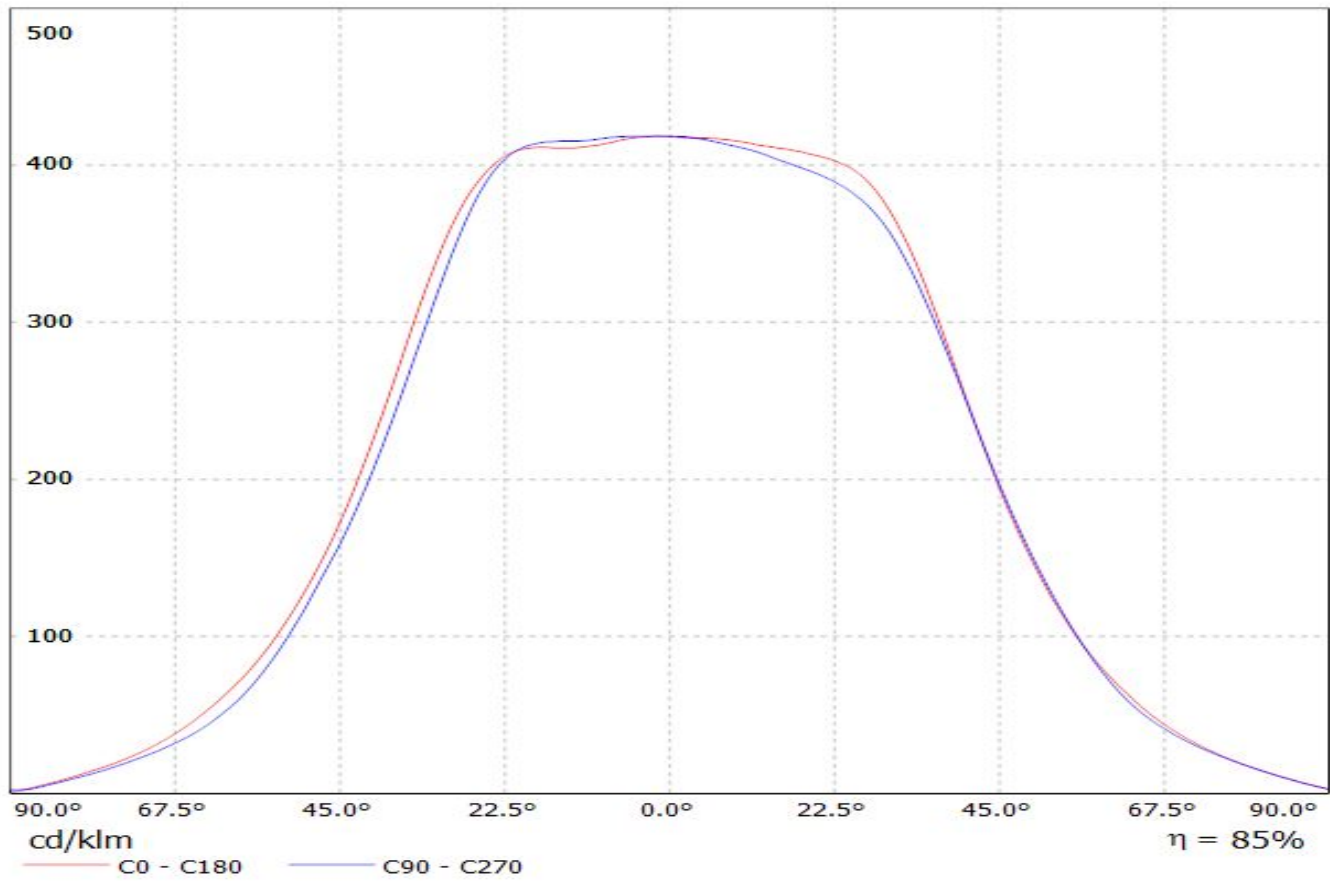




|                                                                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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 |  |
| THIRD ANGLE PROJECTION:                                                                                |  |
| This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."                                                      |  |

|                                                                                       |                                |                                                         |             |
|---------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------|-------------|
|  |                                | LediL Oy<br>Salorankatu 10<br>FIN 24240 SALO<br>Finland |             |
| DRAWING TITLE<br>Datasheet_FLORENCE - Z                                               |                                |                                                         |             |
| SIZE<br>A3                                                                            | PART NUMBER<br>MechanicalModel |                                                         |             |
| SCALE 1:1                                                                             | WEIGHT (g)                     |                                                         | SHEET 1 / 1 |

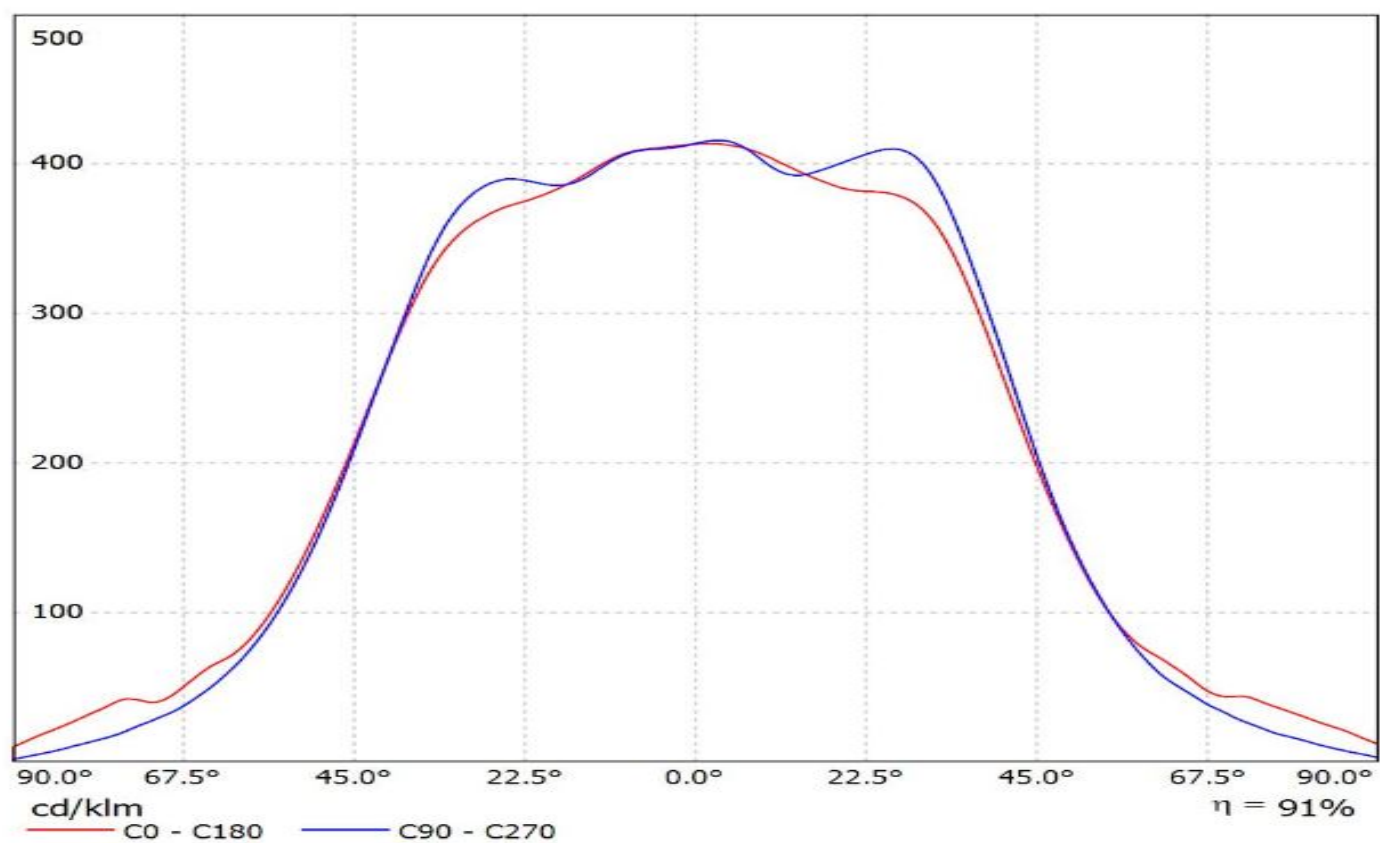
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(SAMSUNG\_LM561B)  
Lamps: 1 x SAMSUNG\_LM561B\_679.266lm@150mA\_P=4.6185W\_I=150mA



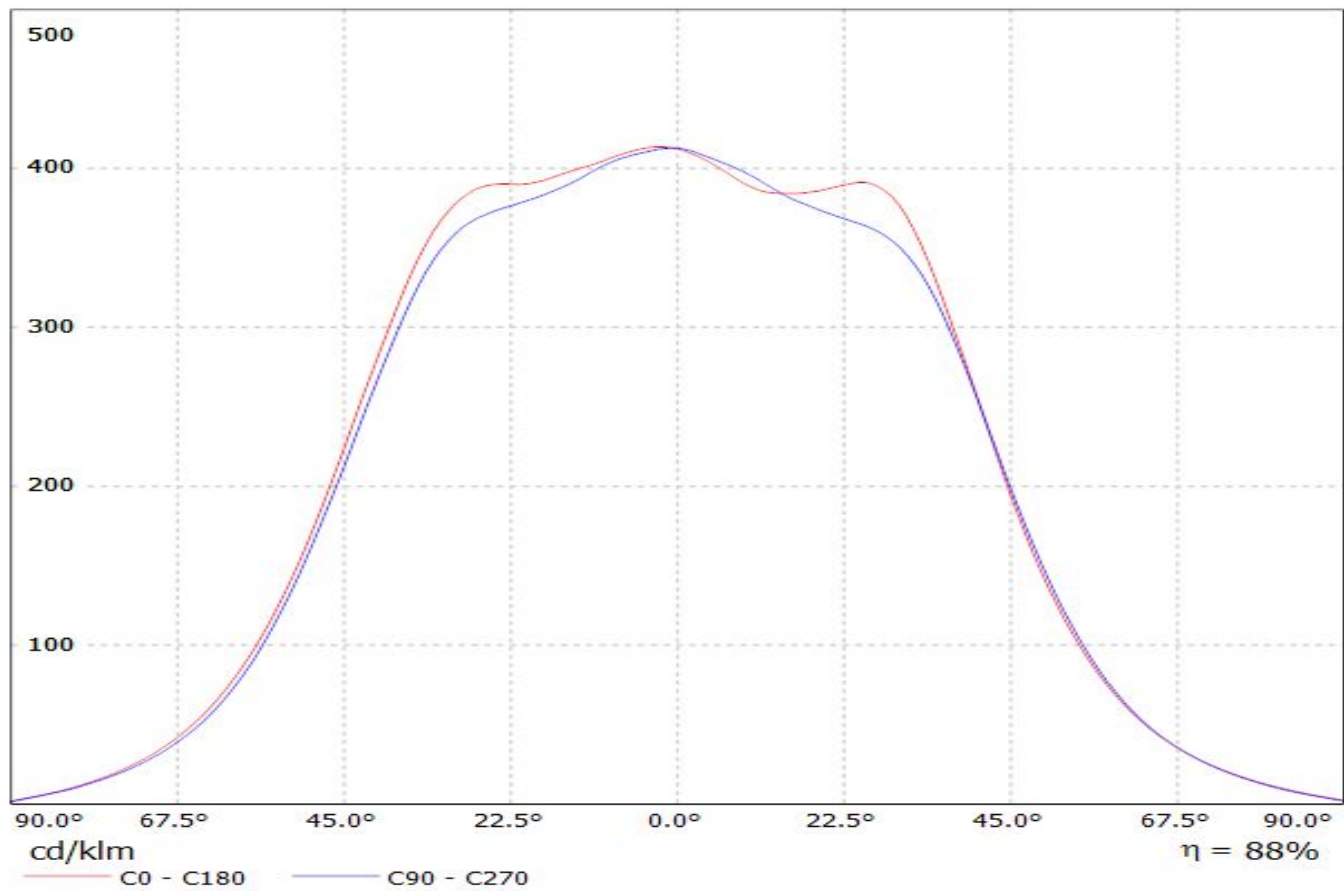
## Ledil F13853\_FLORENCE-Z90\_(MP-2016) / LDC (Linear)

Luminaire: Ledil F13853\_FLORENCE-Z90\_(MP-2016)

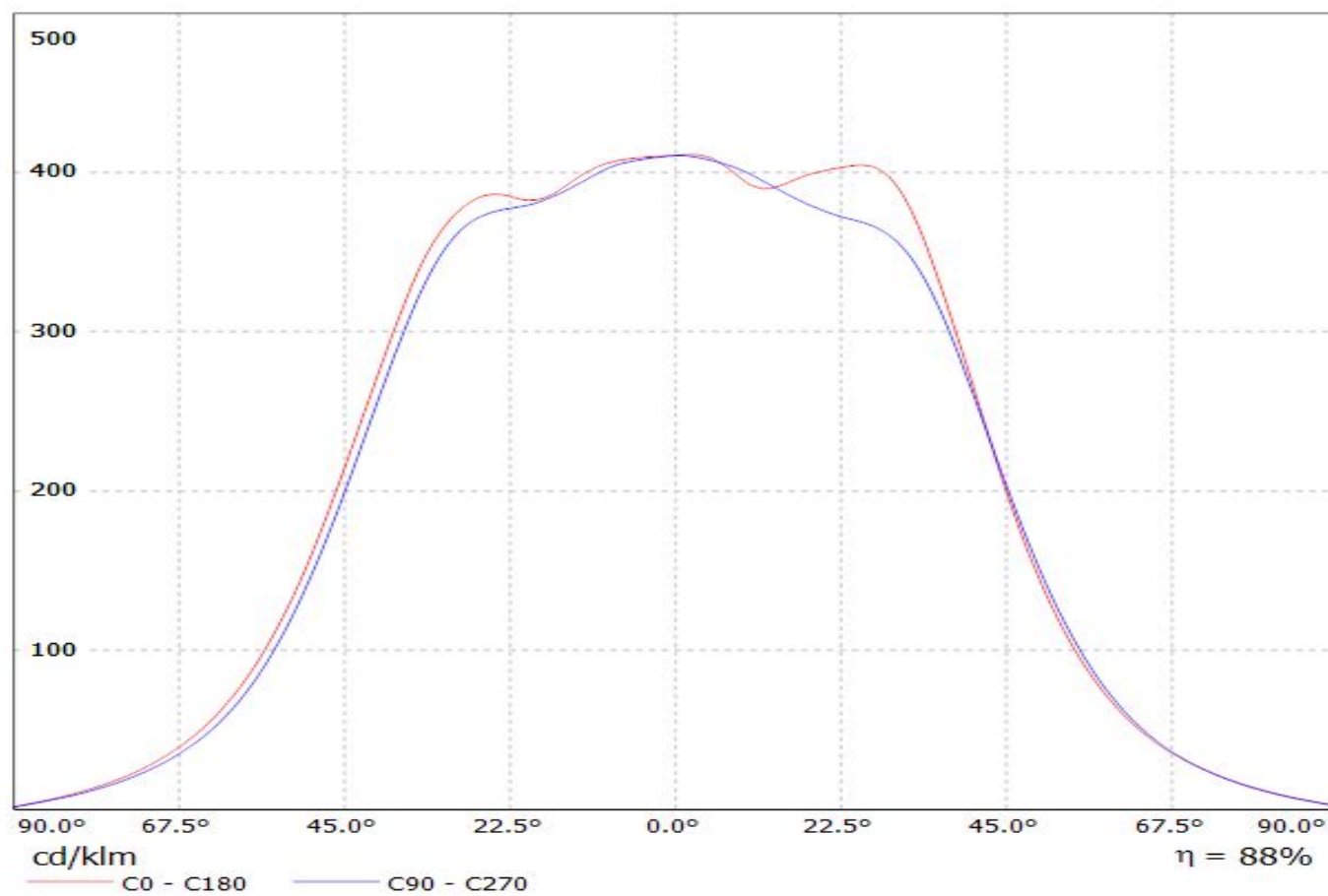
Lamps: 1 x Luminus\_MP-2016\_x22\_(LUMMP-1100-30-80)\_715.864lm@180mA\_P=6W\_I=0.18A



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LM231B) Eff.87.6%  
Lamps: 1 x SAMSUNG\_LM231B\_571.834lm@150mA\_P=4.62435W\_I=150mA



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_S5) Eff.87.5%  
Lamps: 1 x DURIS\_S5\_500.39lm@120mA\_P=3.76814W\_I=120.1mA

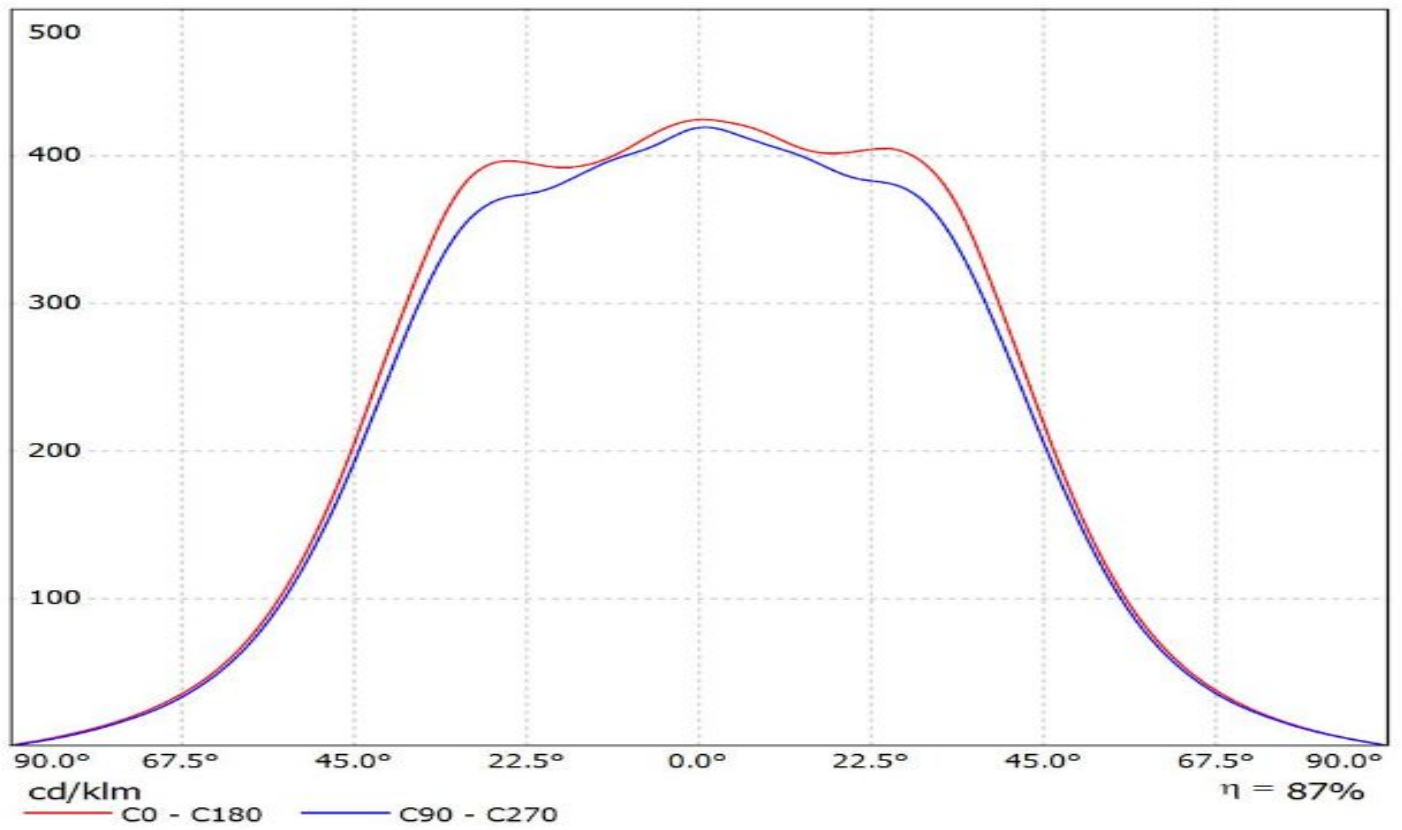


## Ledil F13853\_FLORENCE-Z90\_(Luxeon\_3030\_2D) / LDC (Linear)

Luminaire: Ledil F13853\_FLORENCE-Z90\_(Luxeon\_3030\_2D)

Lamps: 1 x Luxeon\_3030\_2D\_3x11\_(L130-4080003000W21)

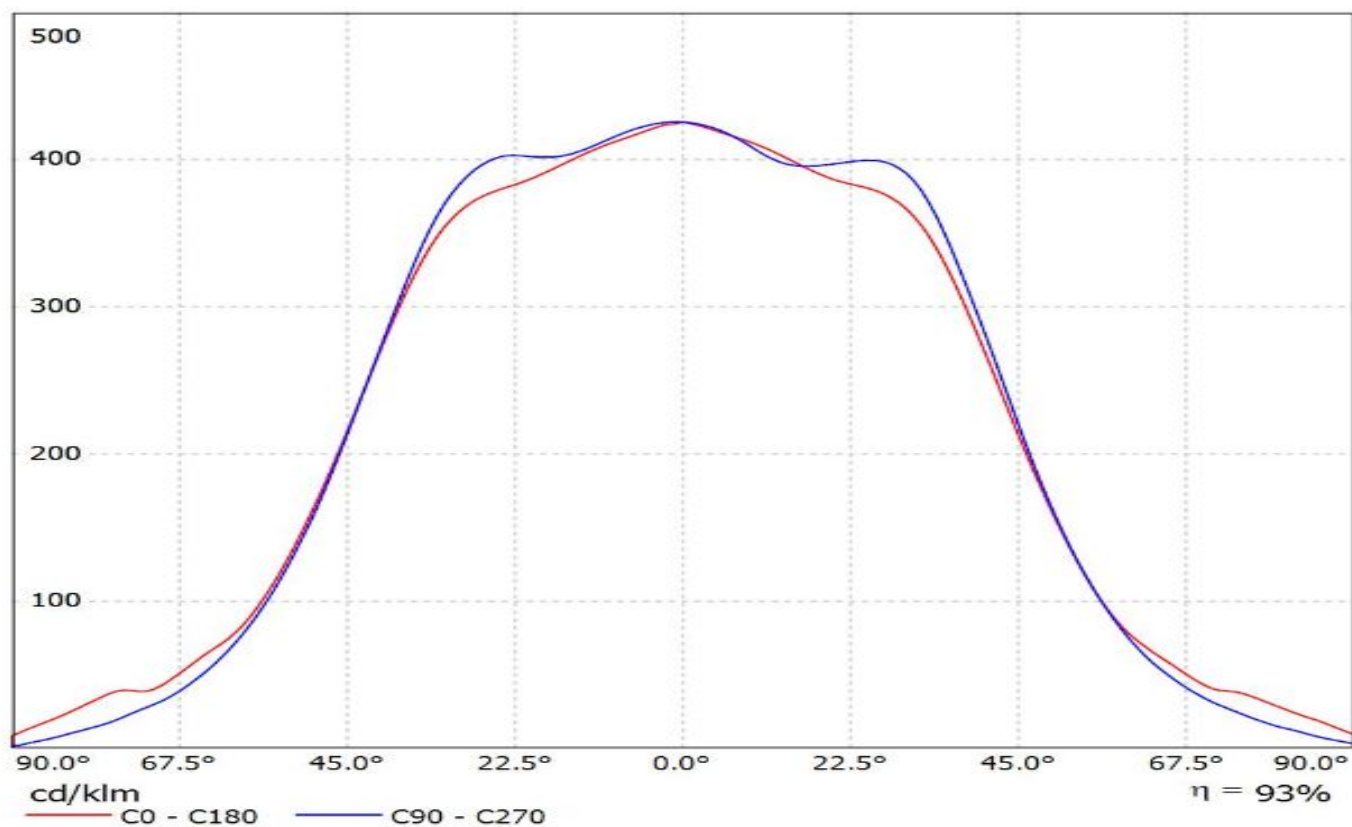
\_2150lm@300mA\_CCT=4000K\_P=12.8W\_I=0.3A



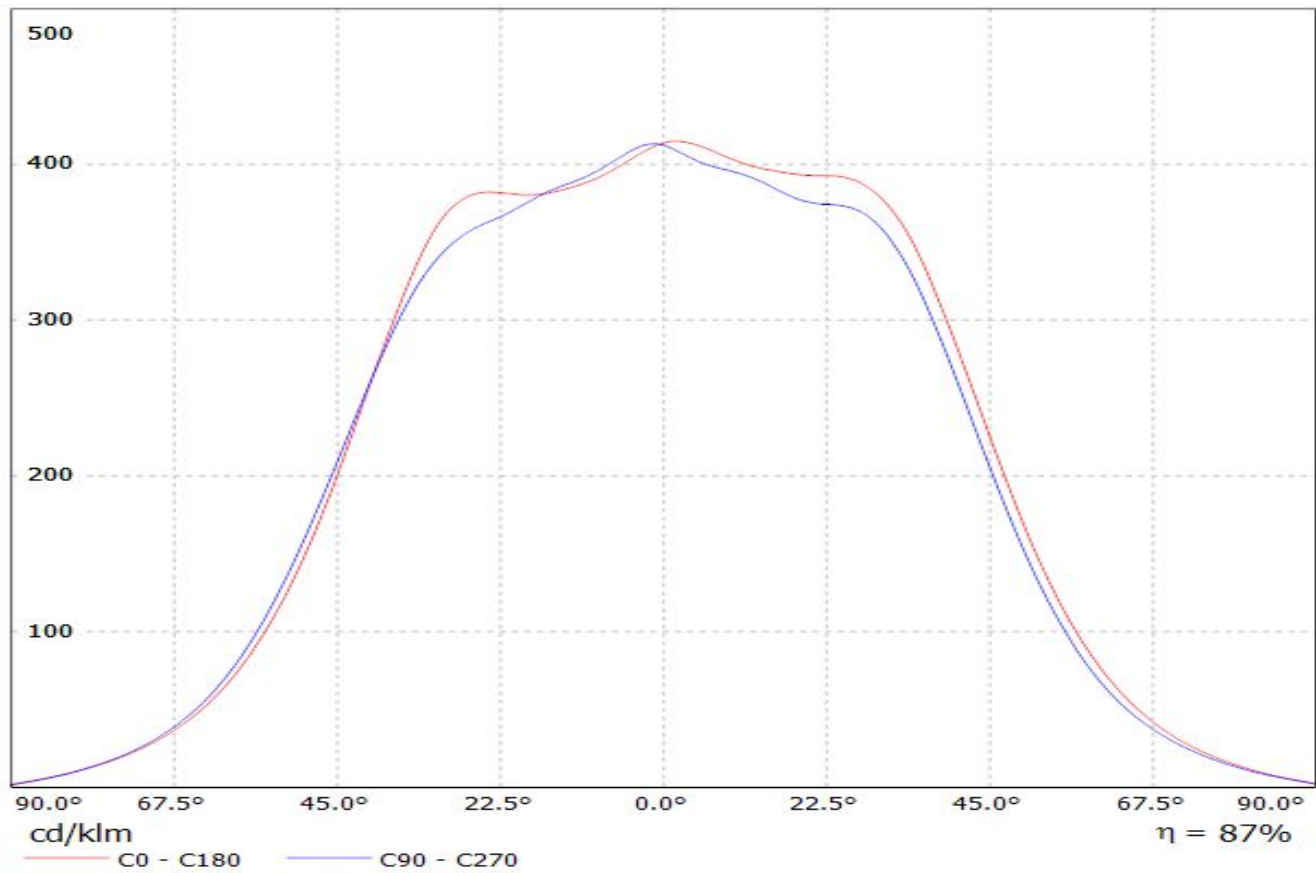
## Ledil F13853\_FLORENCE-Z90\_(Luxeon\_XR-3535L) / LDC (Linear)

Luminaire: Ledil F13853\_FLORENCE-Z90\_(Luxeon\_XR-3535L)

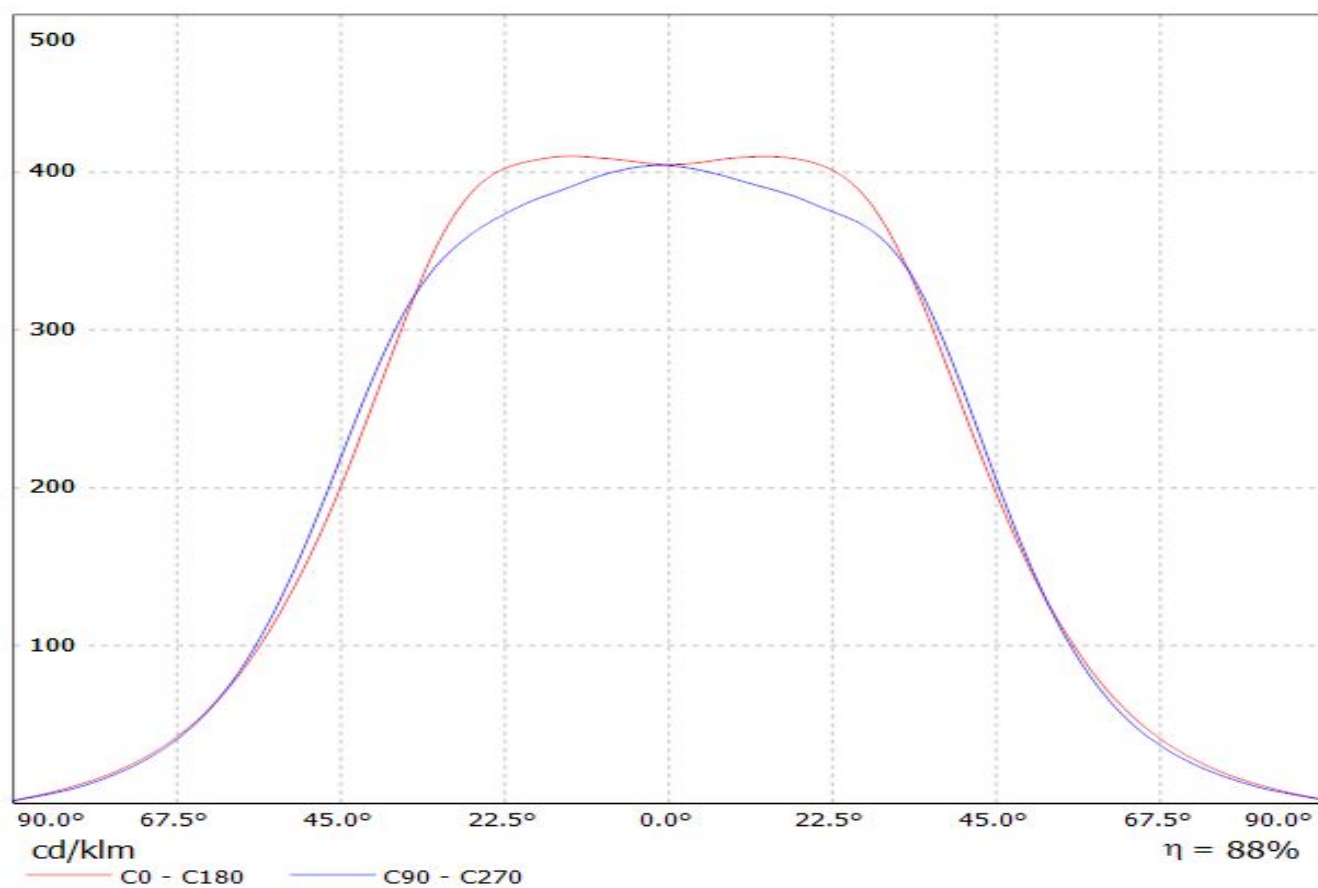
Lamps: 1 x Lumileds\_Luxeon\_XR-3535L\_3x11\_(L202-3080033C30001)  
\_1087.37lm@250mA\_CCT=3000K\_P=8.15W\_I=0.25A



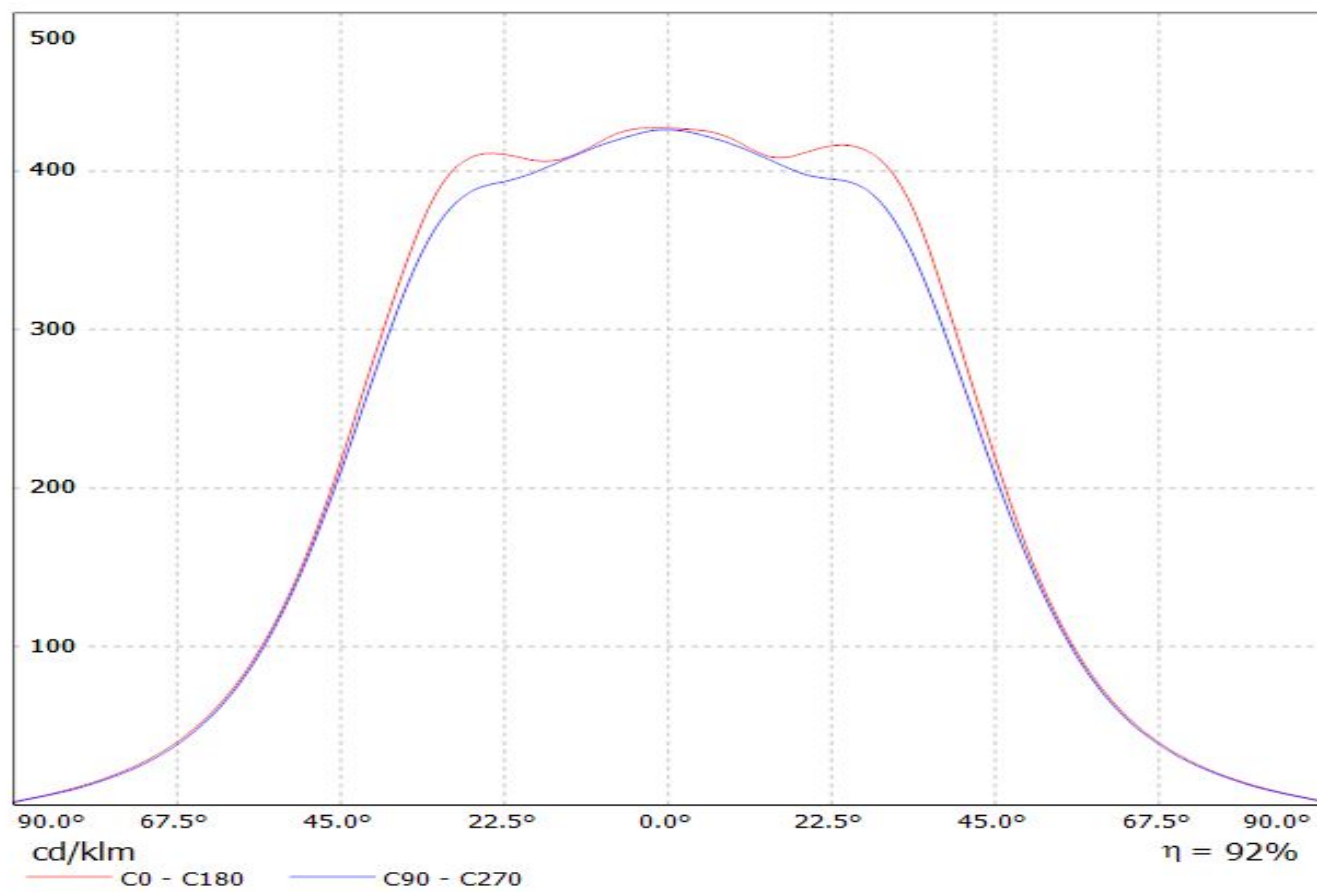
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LUXEON\_3535\_2D) Eff.87.5%  
Lamps: 1 x LUXEON\_3535\_2D\_1513.88lm@200mA\_P=12.7114W\_I=199.9mA



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_LG\_6030) Eff.87.9%  
Lamps: 1 x LG\_6030\_(LEWMS68T80HZ)\_1031.47lm@240mA\_CCT=5000K\_P=7.54368W\_I=240mA

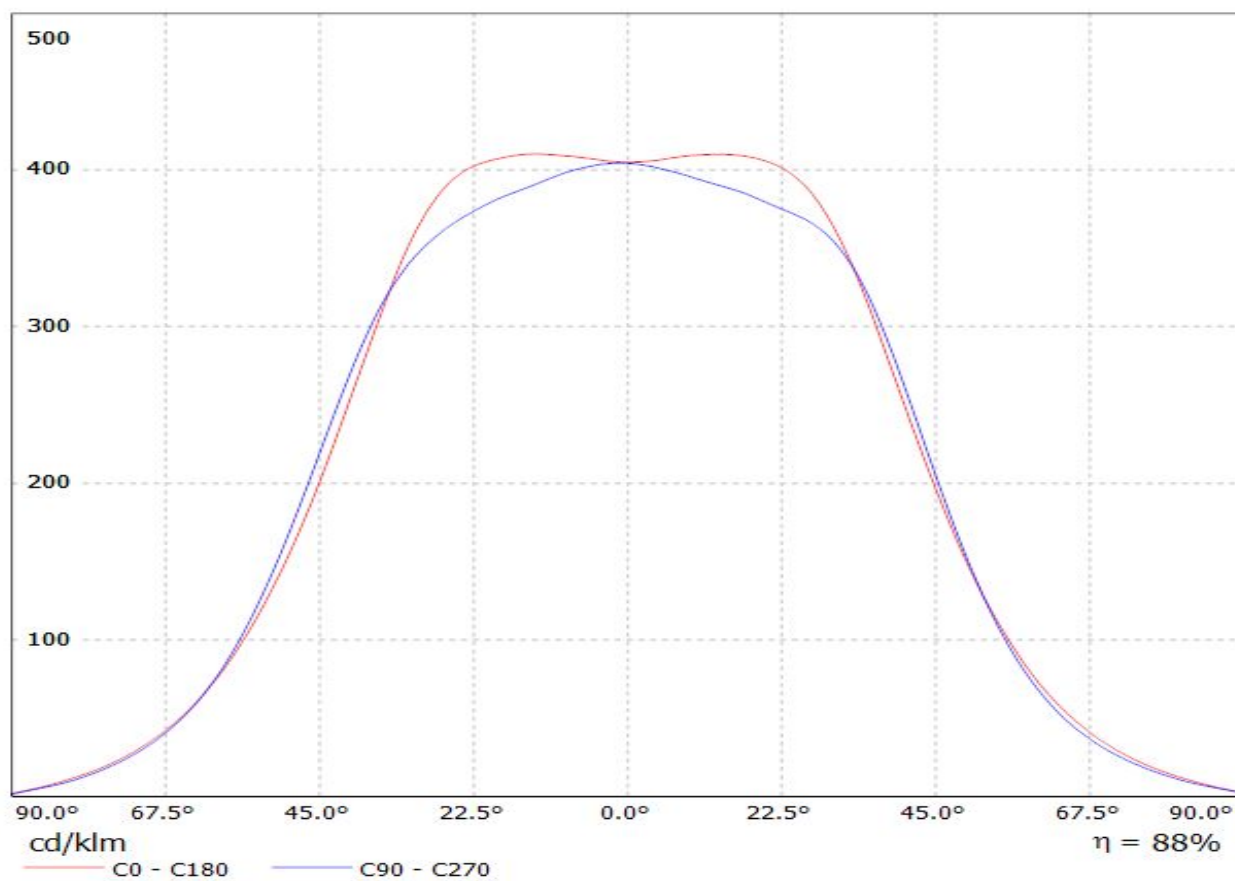


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(NICHIA757)  
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA

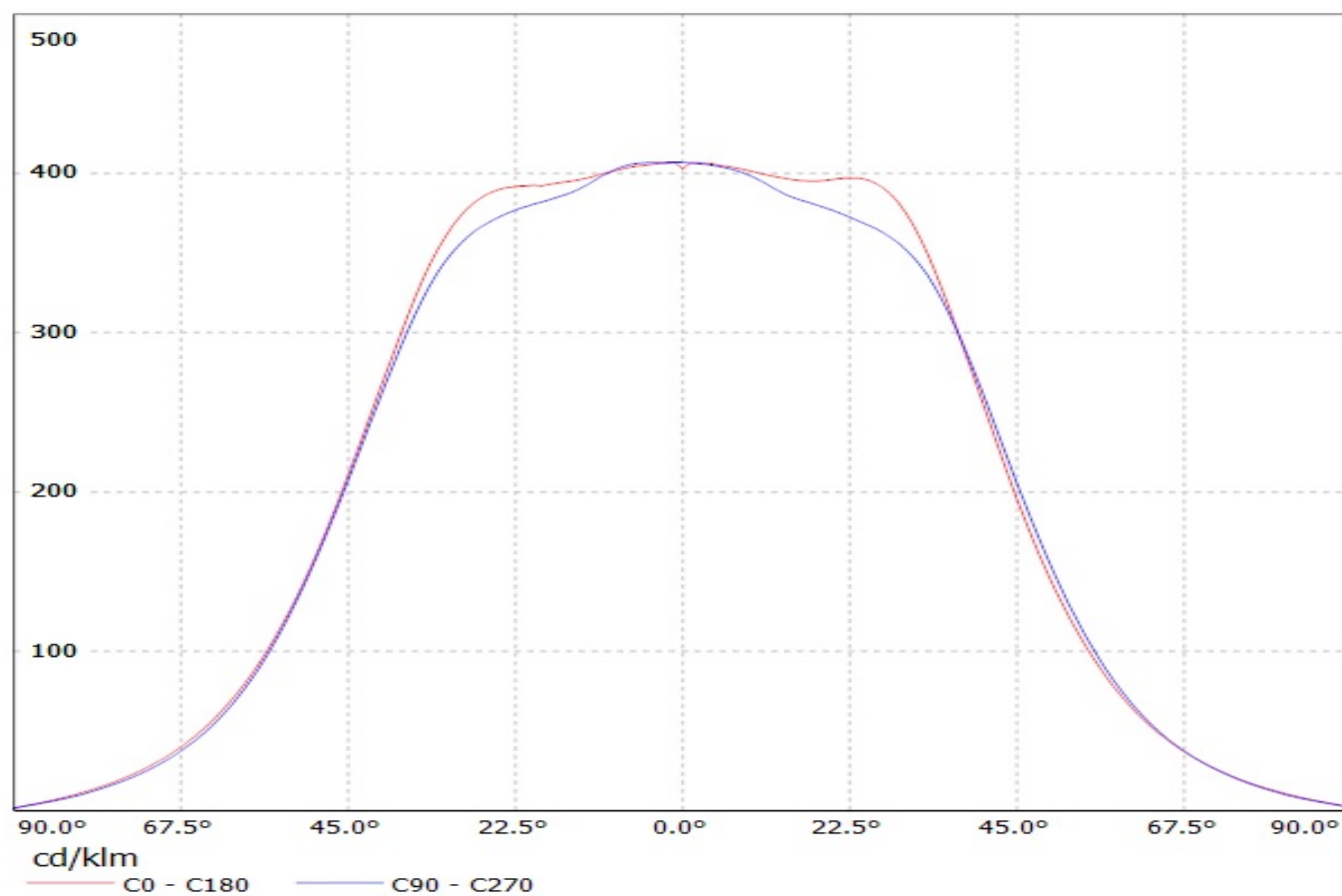


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90 Eff.87.9%

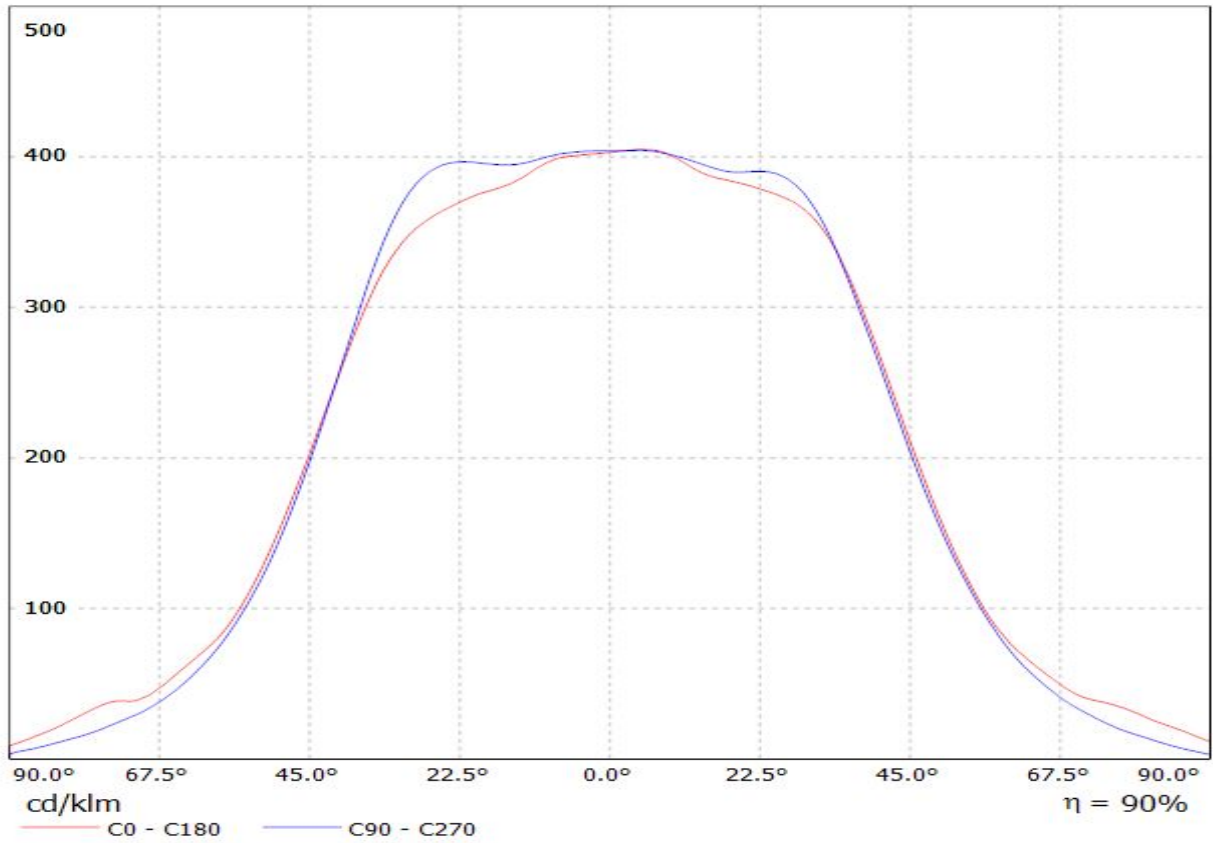
Lamps: 1 x Fortimo\_LED\_Line\_1ft\_1100lm\_3R\_HV2\_1031.47lm@240mA\_CCT=5000K\_P=7.54368W\_I=240mA



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_E5) Eff: 88%  
Lamps: 1 x Osram\_DURIS\_E5\_567.032lm@120mA\_P=3.6693W\_I=120.1mA

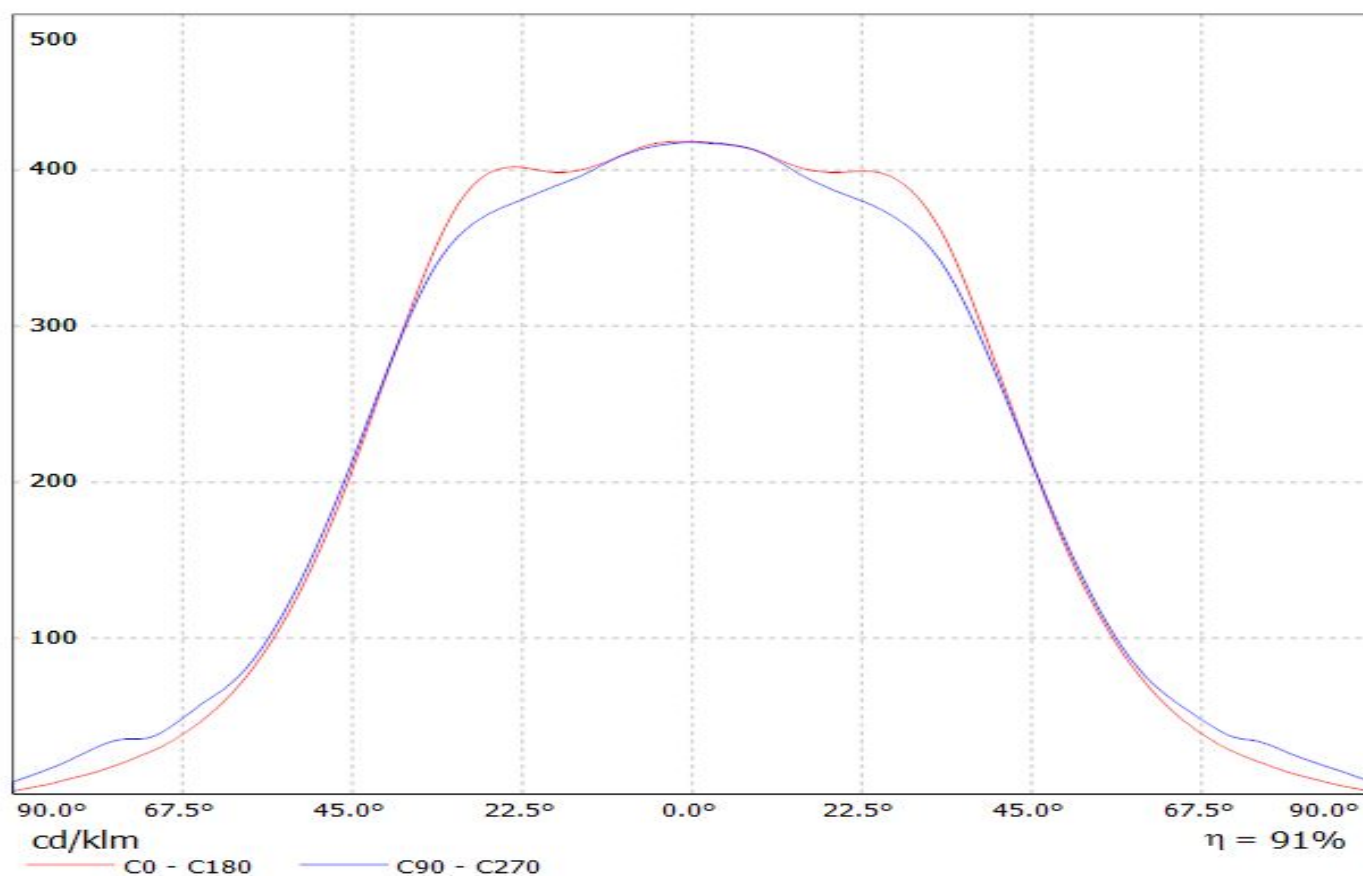


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(AVAGO 5630 0.5W)  
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



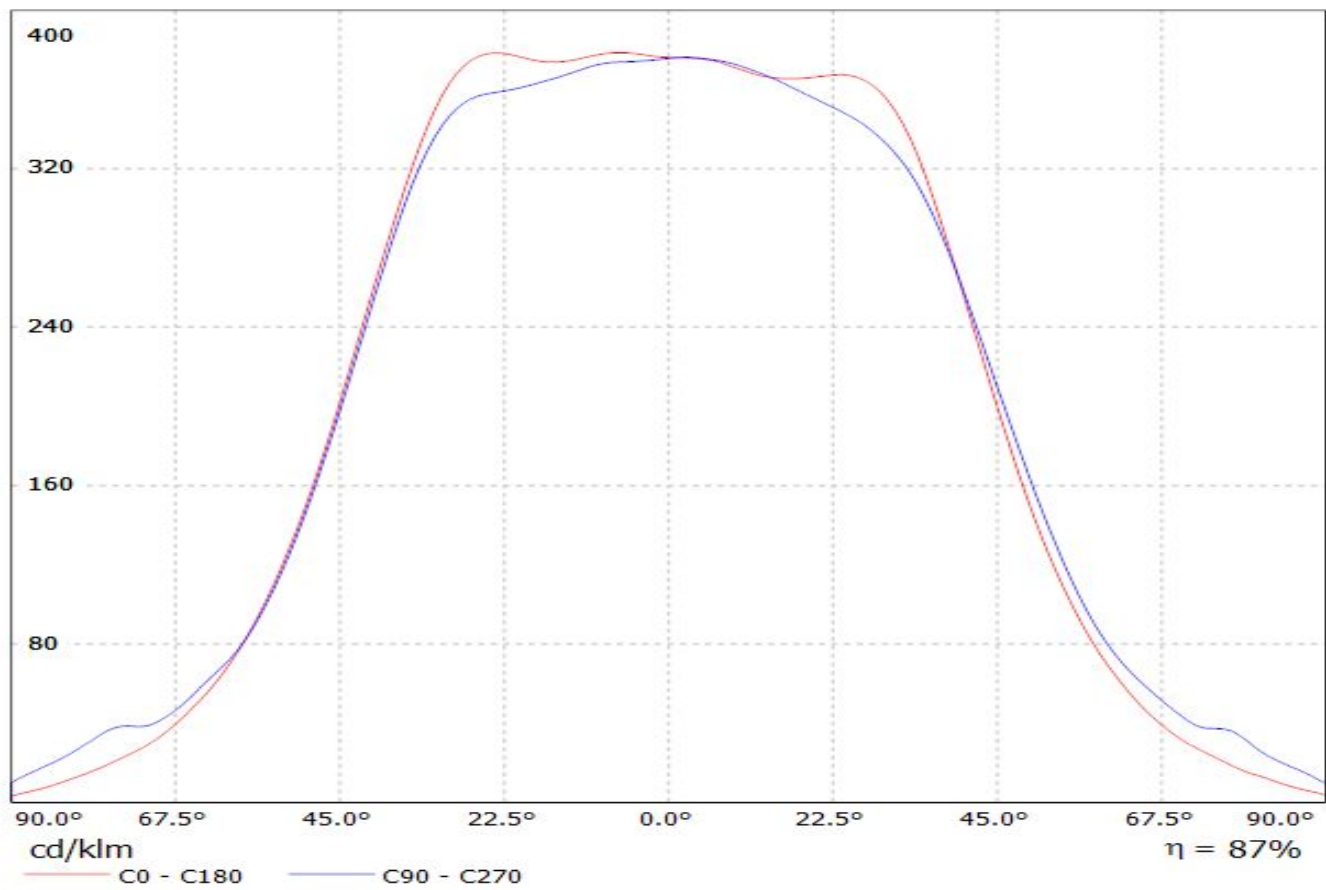
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(Osram\_PLG2-BAR)

Lamps: 1 x Osram\_PLG2-BAR -1100-830-280x55-DC\_1021.93lm@225mA\_P=7.1643W\_I=0.225A



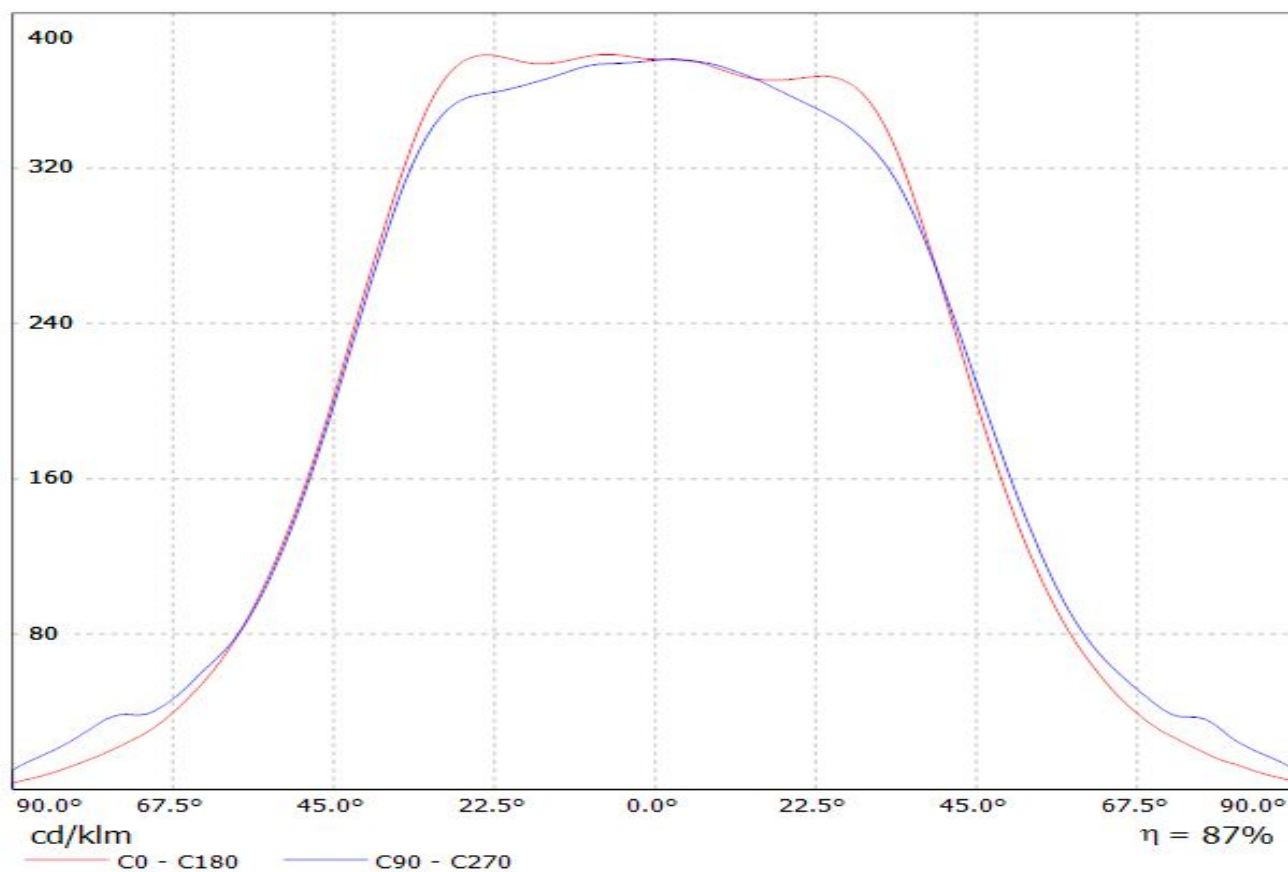
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90 (LG5630)

Lamps: 1 x FLORENCE\_FORTIMO\_(LG\_5630)\_1100lm@250mA P=8.41224W I=250.7mA



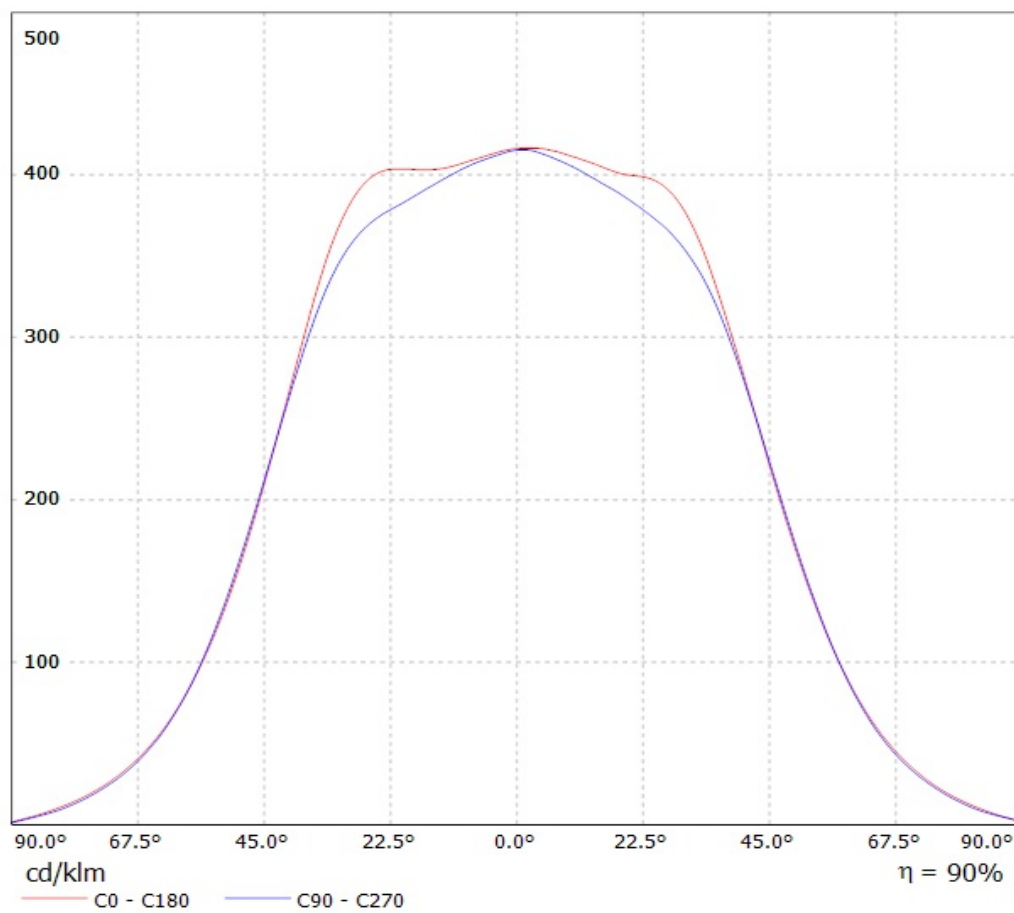
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90

Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1100lm@250mA P=8.41224W I=250.7mA

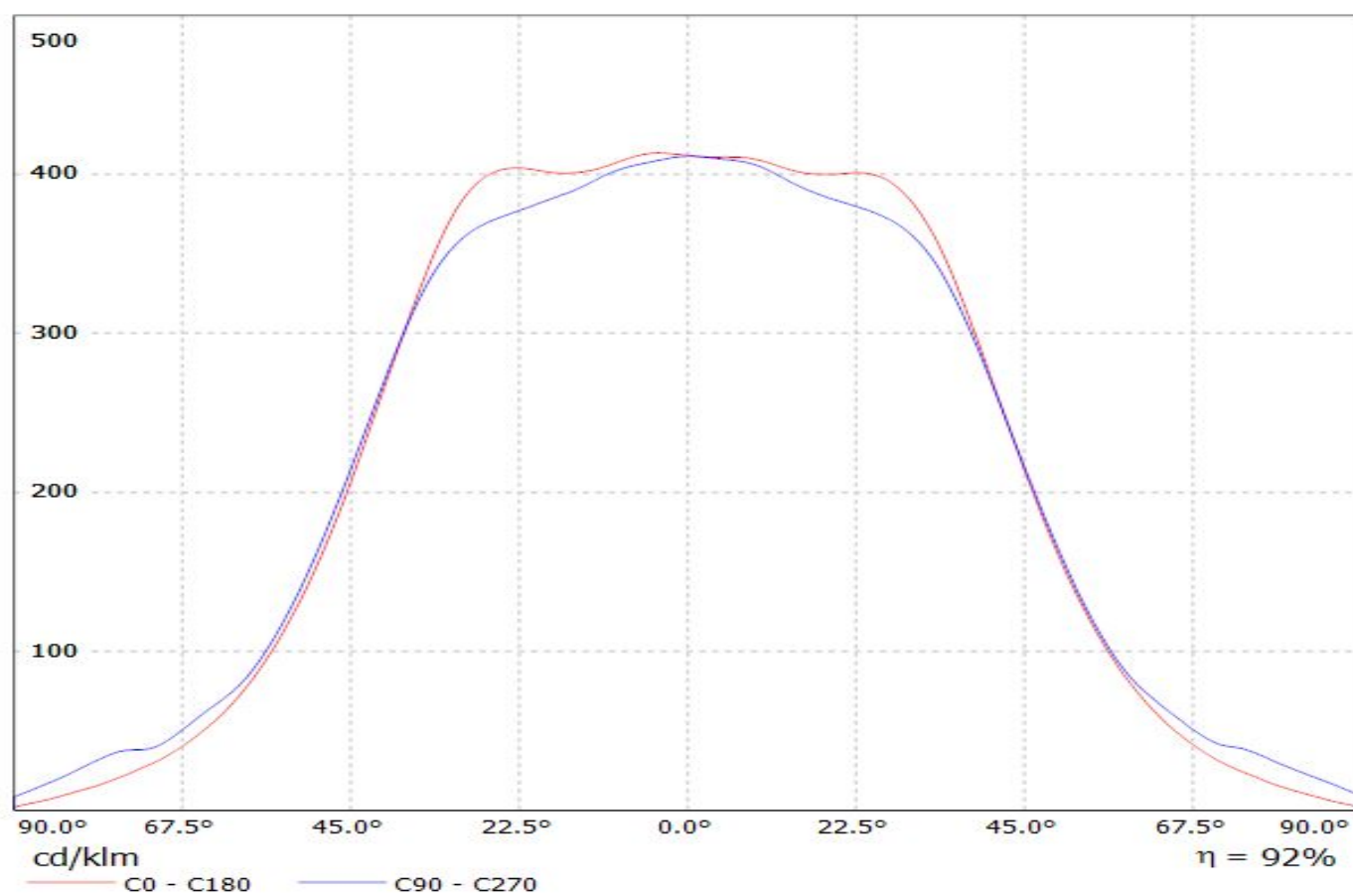


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LLE-55-280-1650)

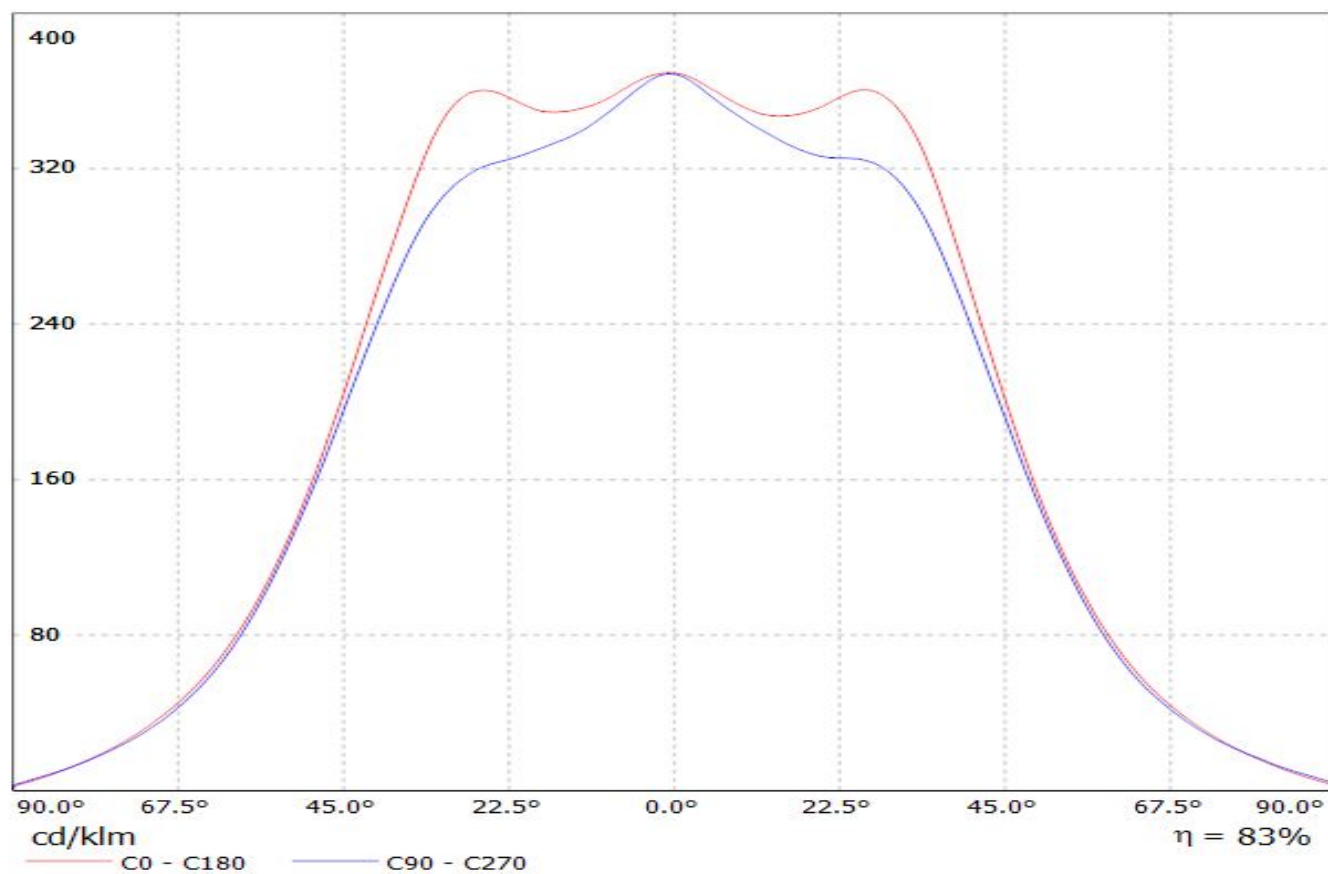
Lamps: 1 x Tridonic\_STARK\_LLE-55-280-1650\_(STARK\_LLE-55-280-1650-840-CLA)\_1478.34lm@325lm\_CCT=4000K\_P=10.1908W\_I=324.9mA



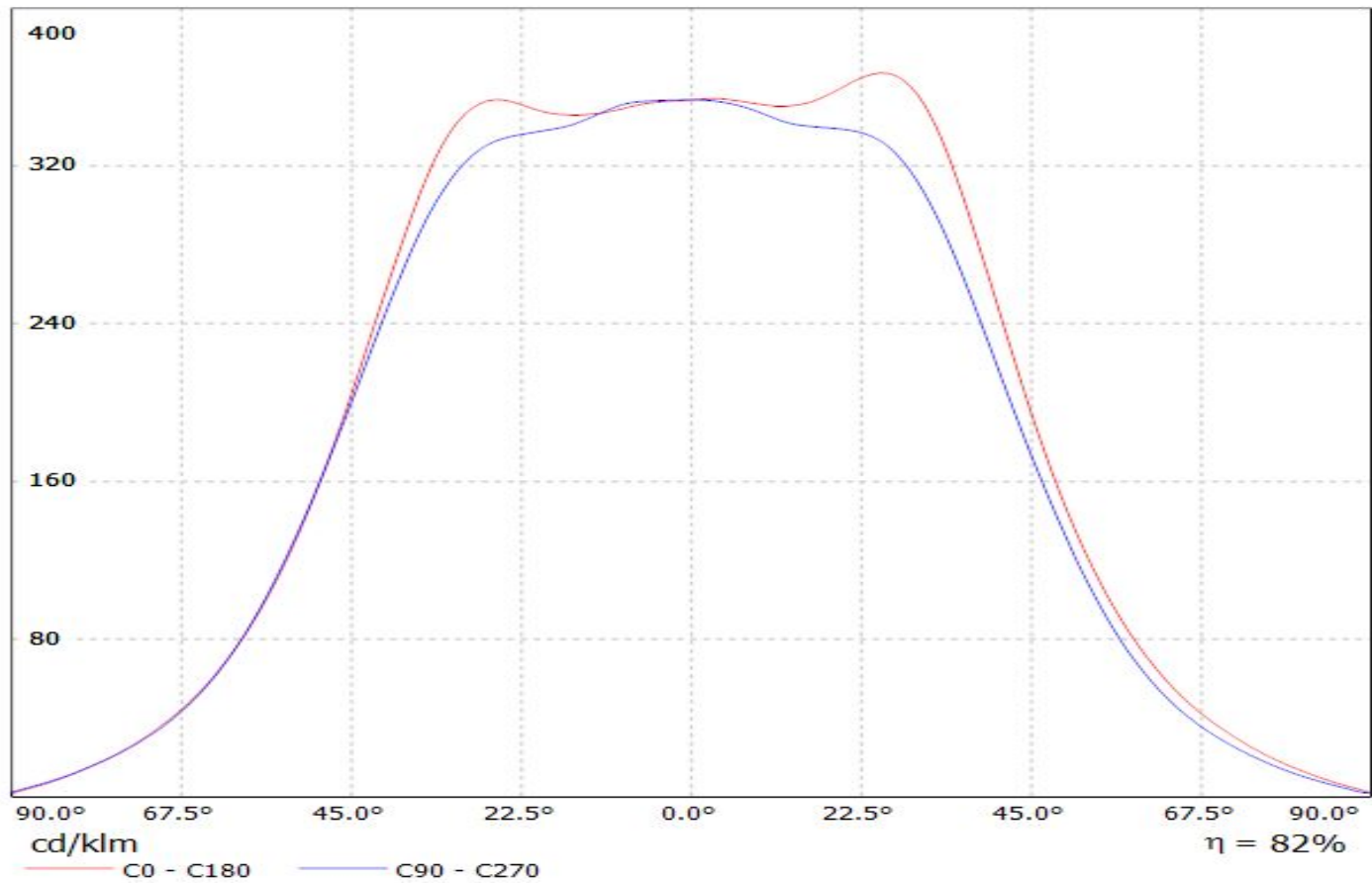
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LT-R286A)  
Lamps: 1 x Samsung\_LT-R286A\_1304.7lm@250mA\_P=8.2181W\_I=0.250A



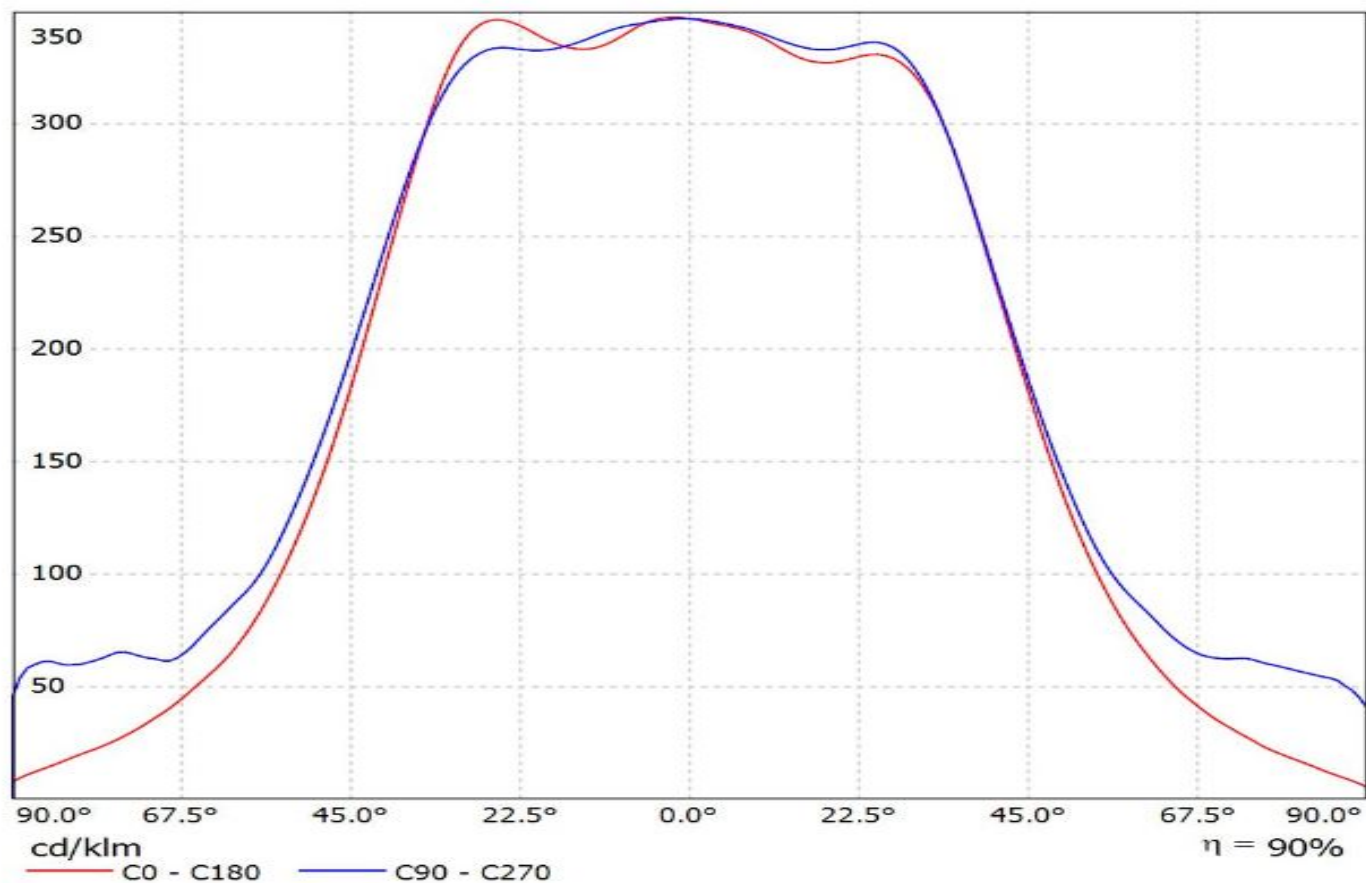
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_P5)  
Lamps: 1 x OSRAM\_DURIS\_P5\_747.995lm@250mA\_P=7.78777W\_I=249.8mA



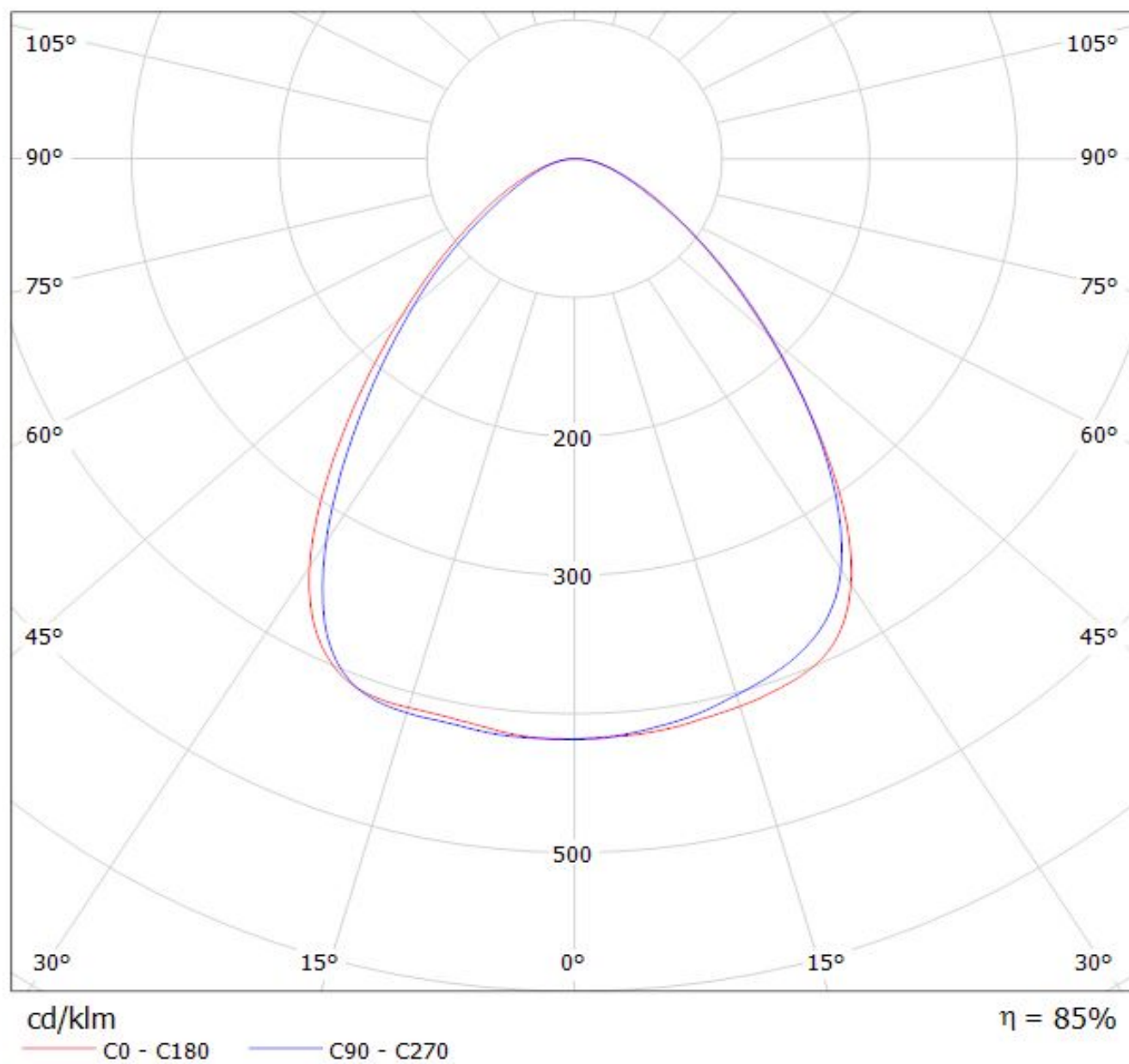
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(XH-B) EFF\_81.8%  
Lamps: 1 x CREE\_XH-B\_(XHGAWT-0-7B4-J30-0H-0001)  
\_1060.84lm@250mA\_CCT=5000K\_P=8W\_I=249.8mA



Luminaire: Ledil F13853\_FLORENCE-Z90\_(Duris\_S2)  
Lamps: 1 x Osram\_Duris-S2\_3x11\_(GW\_SBLMA1.EM-GUHQ-XX37-L1N2)  
\_876.783lm@195mA\_CCT=3000K\_P=6.3082W\_I=0.195A



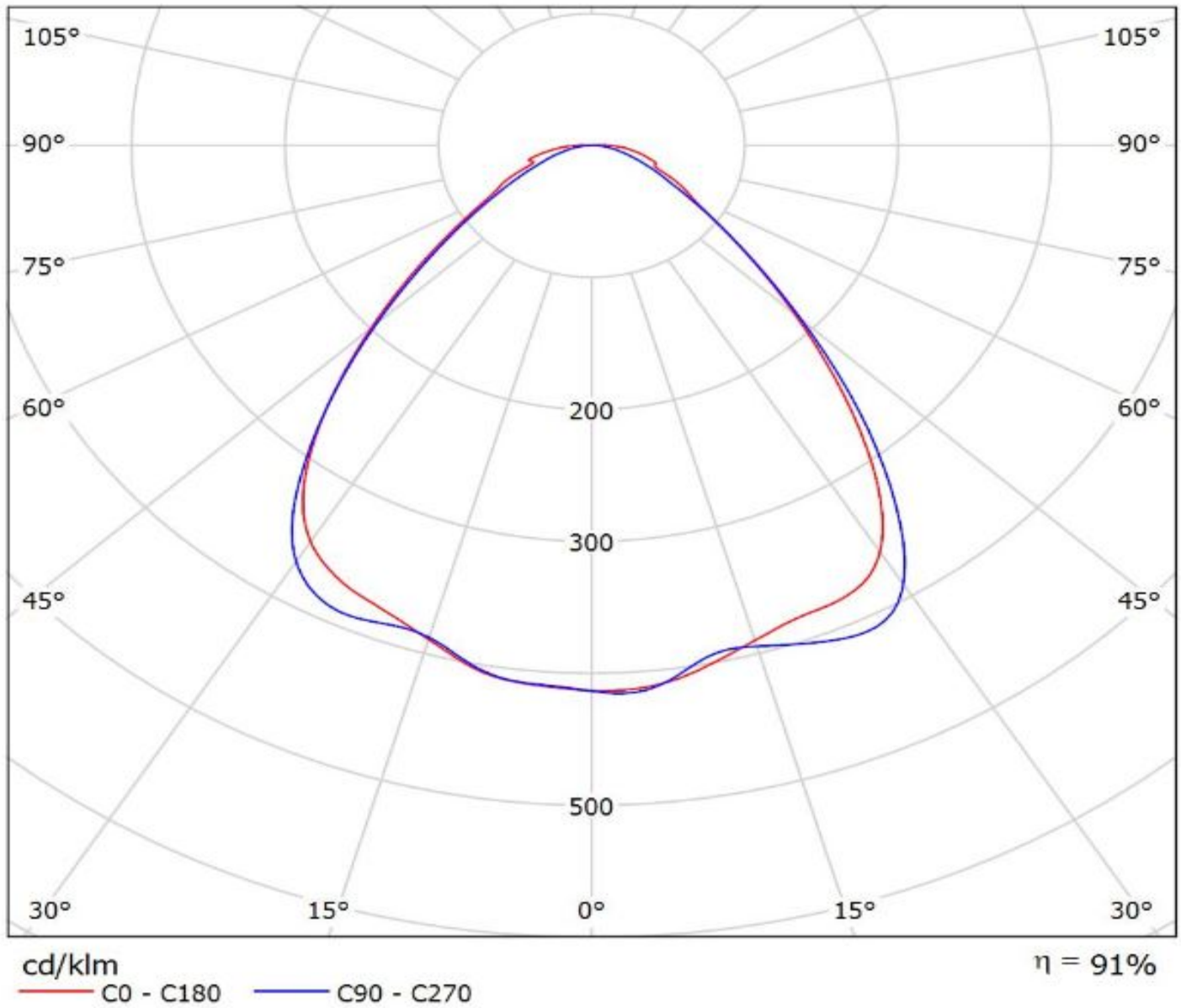
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(SAMSUNG\_LM561B)  
Lamps: 1 x SAMSUNG\_LM561B\_679.266lm@150mA\_P=4.6185W\_I=150mA



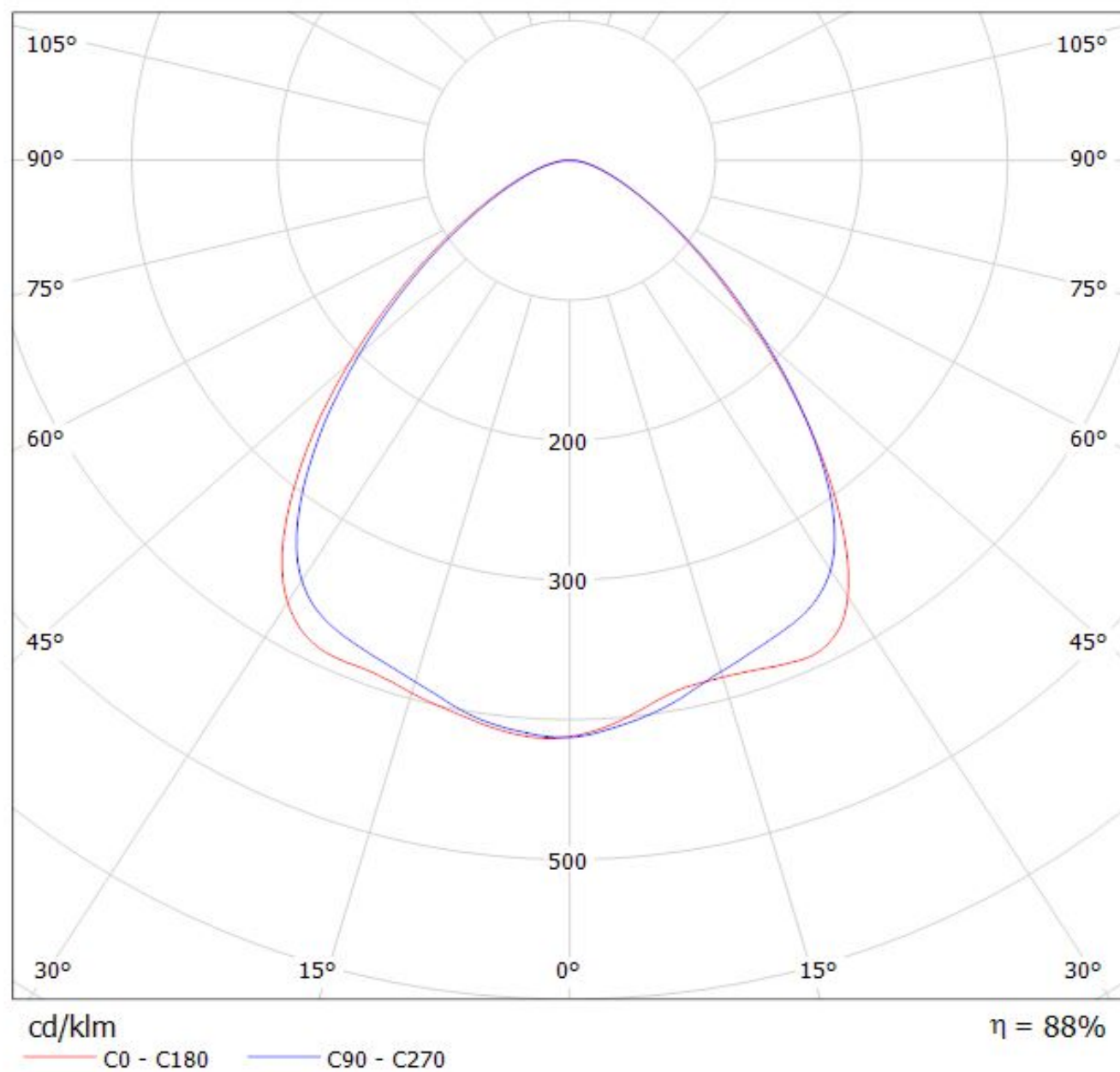
## Ledil F13853\_FLORENCE-Z90\_(MP-2016) / LDC (Polar)

Luminaire: Ledil F13853\_FLORENCE-Z90\_(MP-2016)

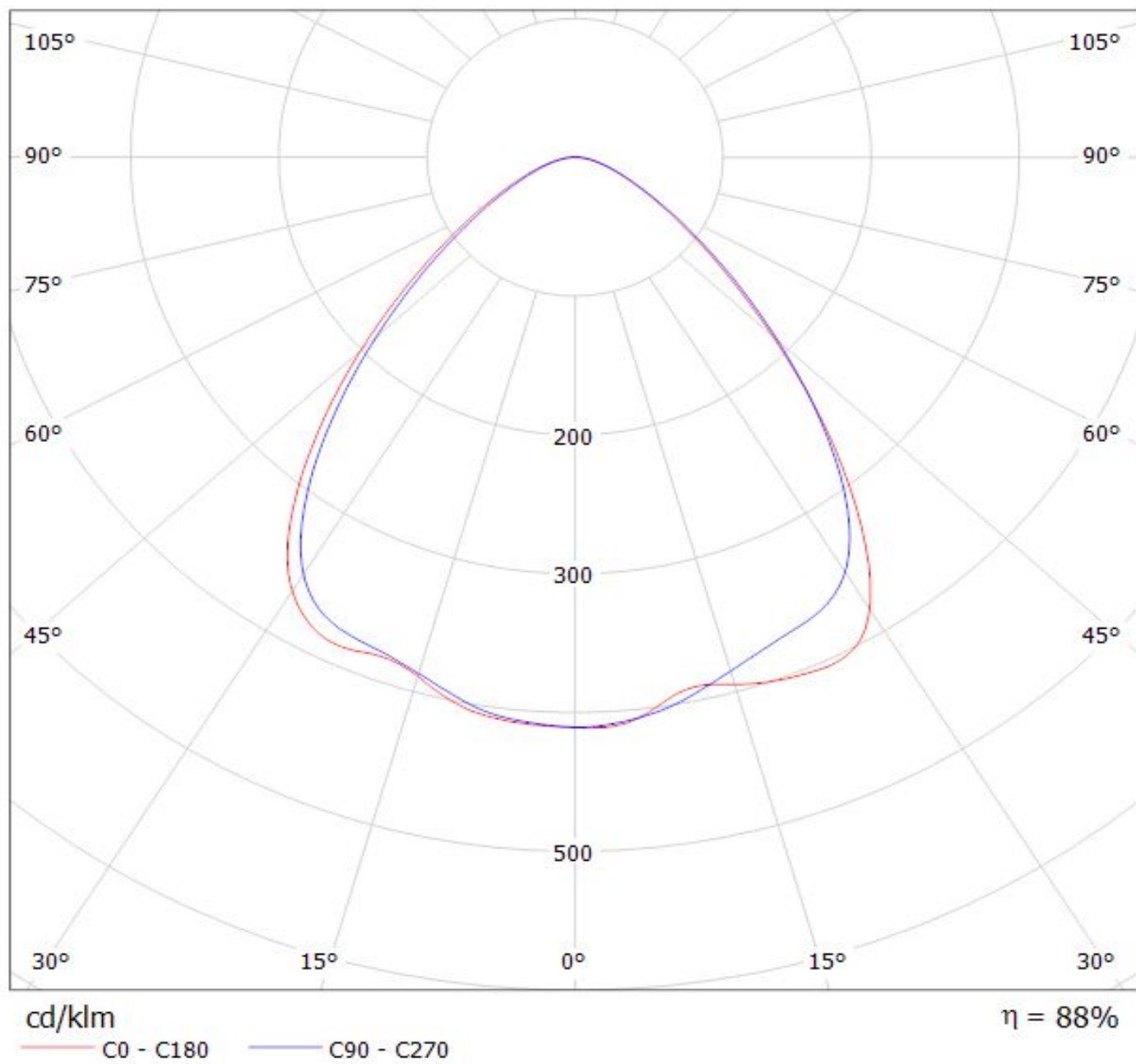
Lamps: 1 x Luminus\_MP-2016\_x22\_(LUMMP-1100-30-80)\_715.864lm@180mA\_P=6W\_I=0.18A



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LM231B) Eff.87.6%  
Lamps: 1 x SAMSUNG\_LM231B\_571.834lm@150mA\_P=4.62435W\_I=150mA

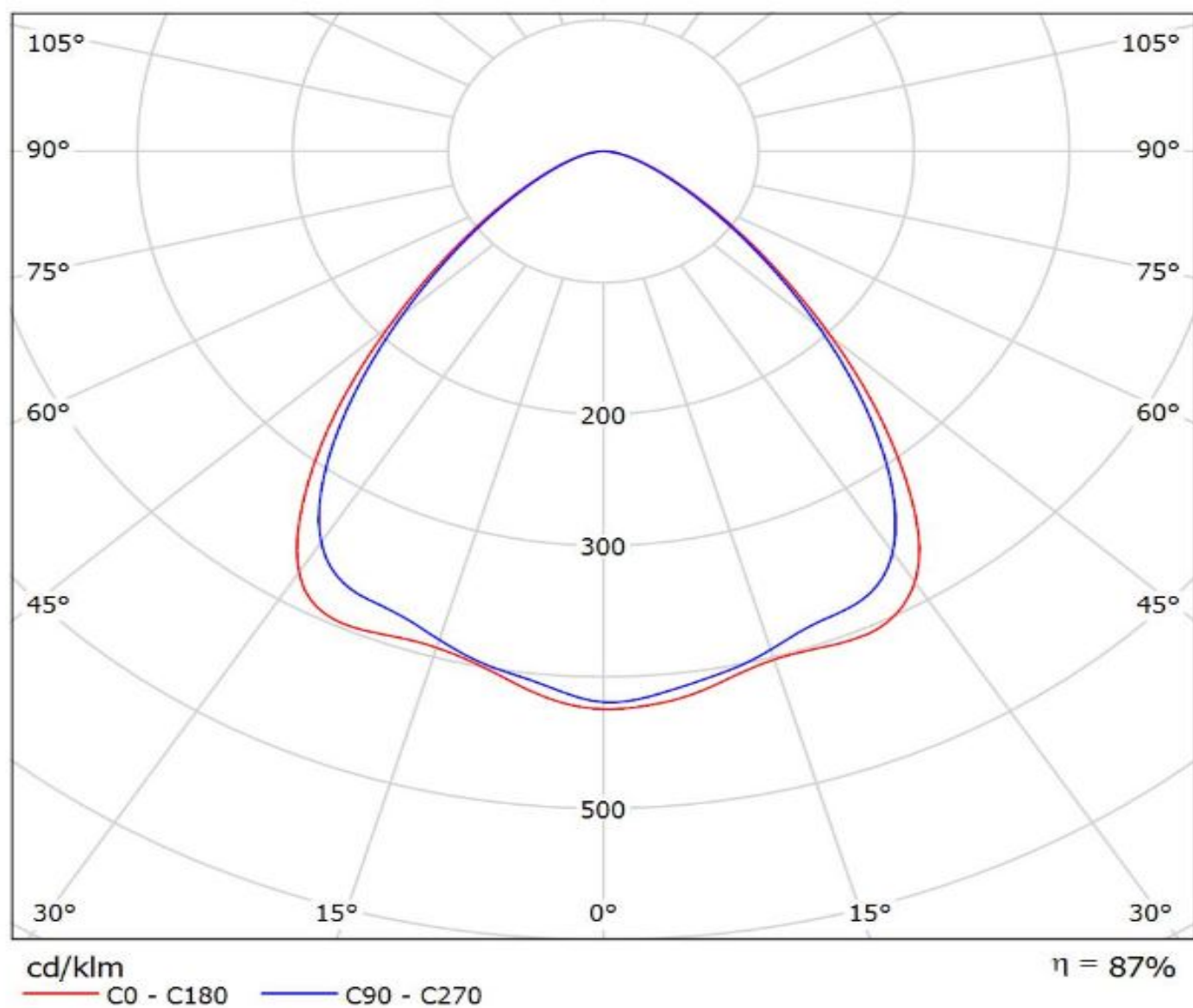


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_S5) Eff.87.5%  
Lamps: 1 x DURIS\_S5\_500.39lm@120mA\_P=3.76814W\_I=120.1mA



## Ledil F13853\_FLORENCE-Z90\_(Luxeon\_3030\_2D) / LDC (Polar)

Luminaire: Ledil F13853\_FLORENCE-Z90\_(Luxeon\_3030\_2D)  
Lamps: 1 x Luxeon\_3030\_2D\_3x11\_(L130-4080003000W21)  
\_2150lm@300mA\_CCT=4000K\_P=12.8W\_I=0.3A

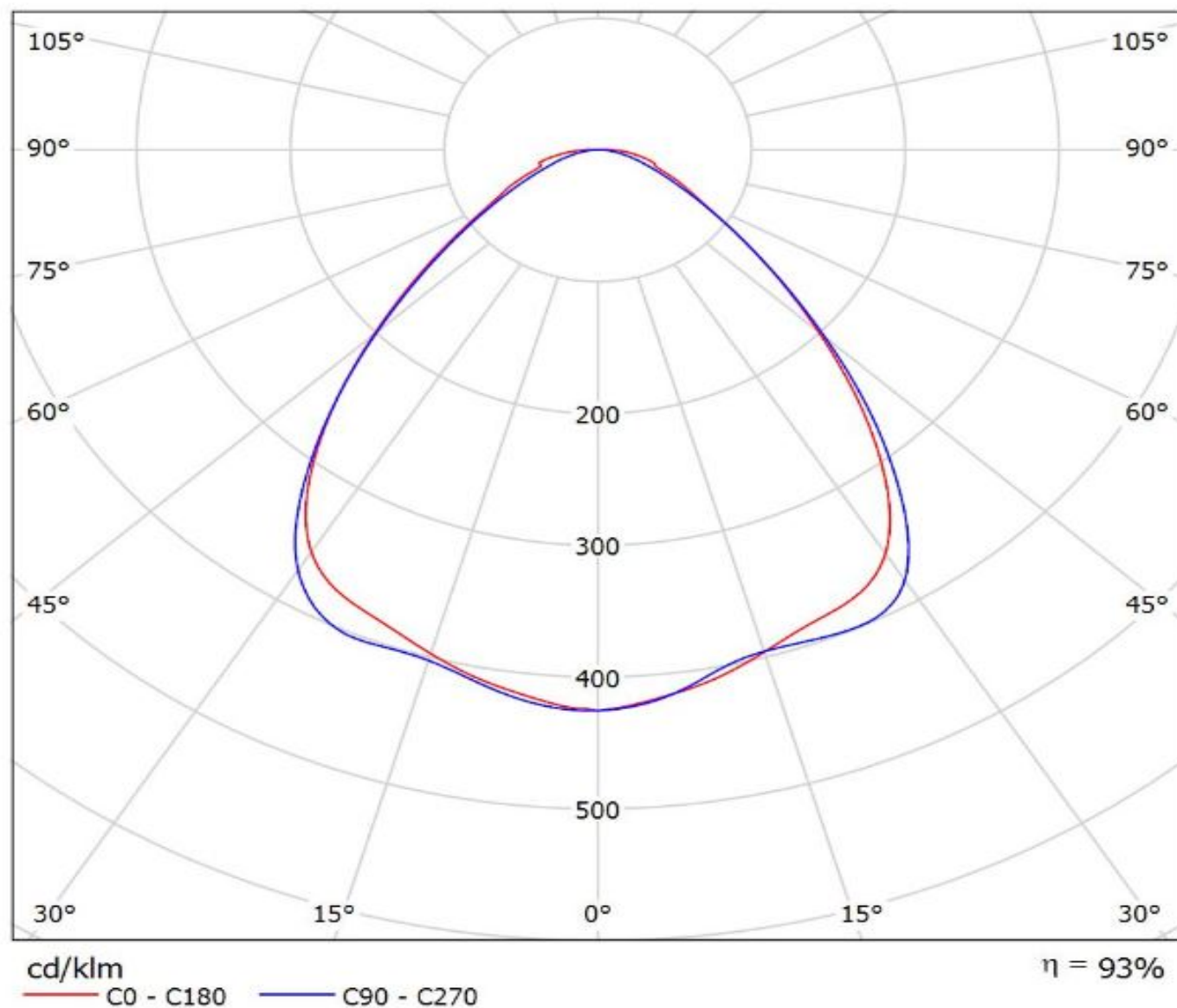


## Ledil F13853\_FLORENCE-Z90\_(Luxeon\_XR-3535L) / LDC (Polar)

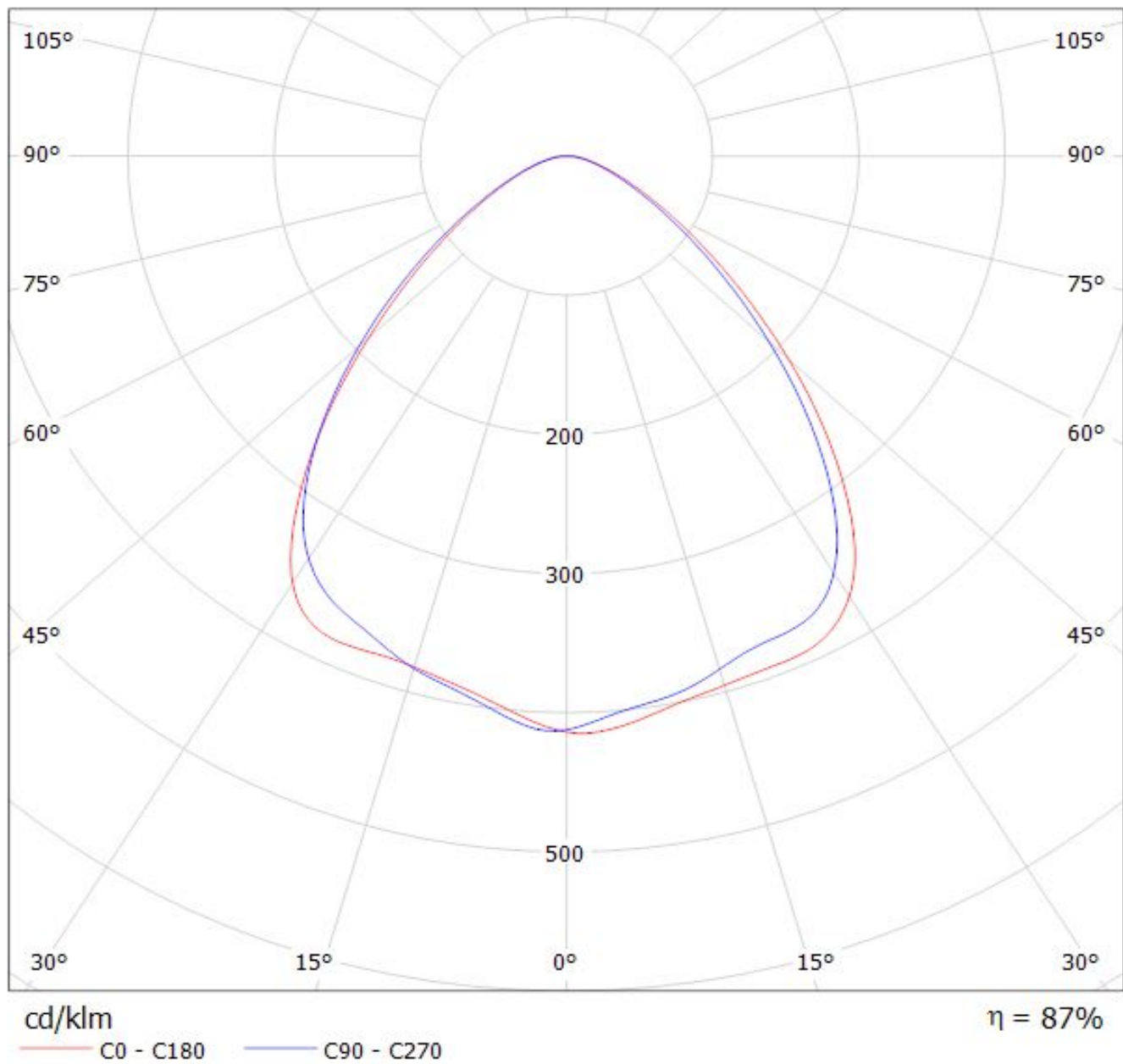
Luminaire: Ledil F13853\_FLORENCE-Z90\_(Luxeon\_XR-3535L)

Lamps: 1 x Lumileds\_Luxeon\_XR-3535L\_3x11\_(L202-3080033C30001)

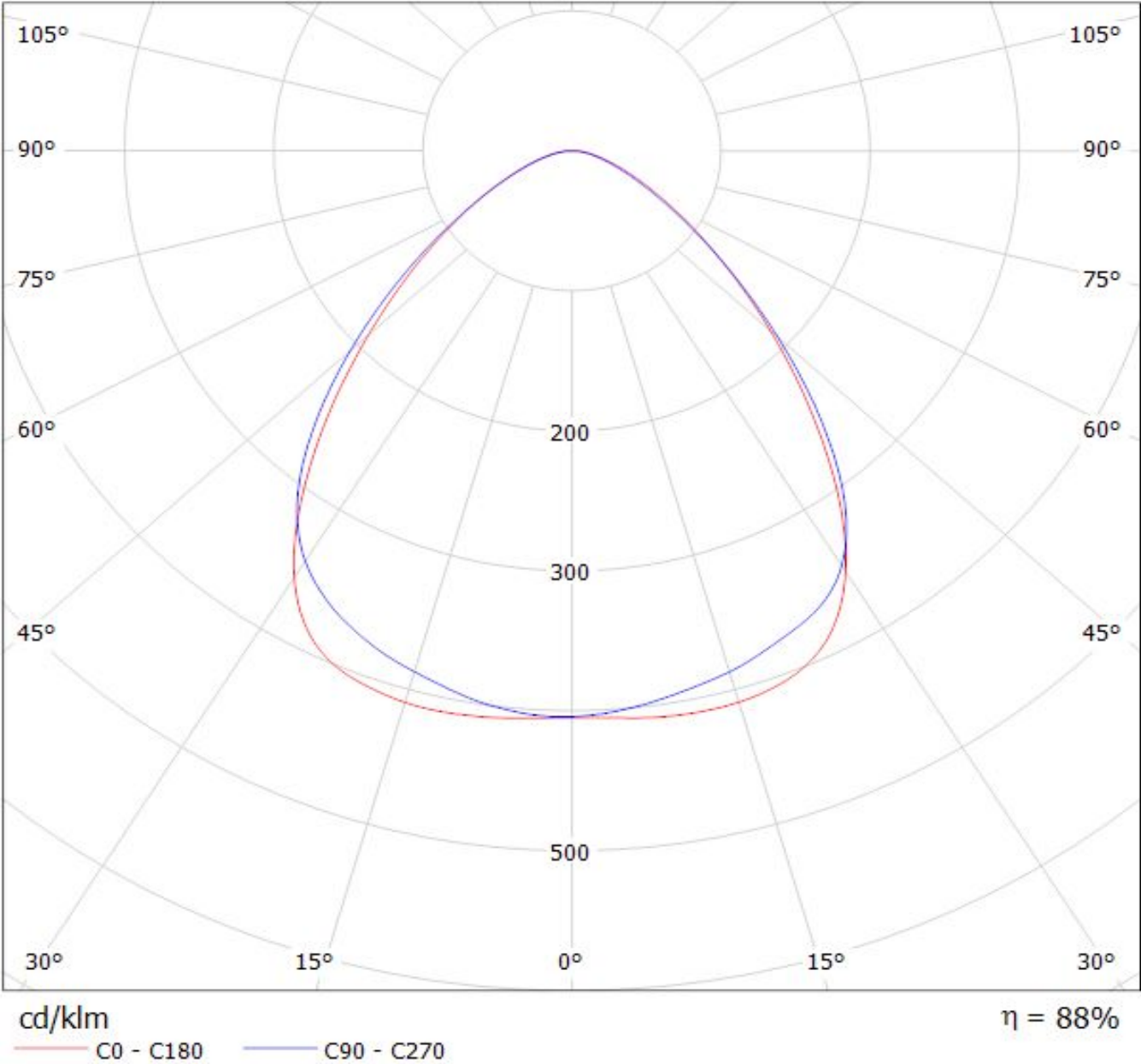
\_1087.37lm@250mA\_CCT=3000K\_P=8.15W\_I=0.25A



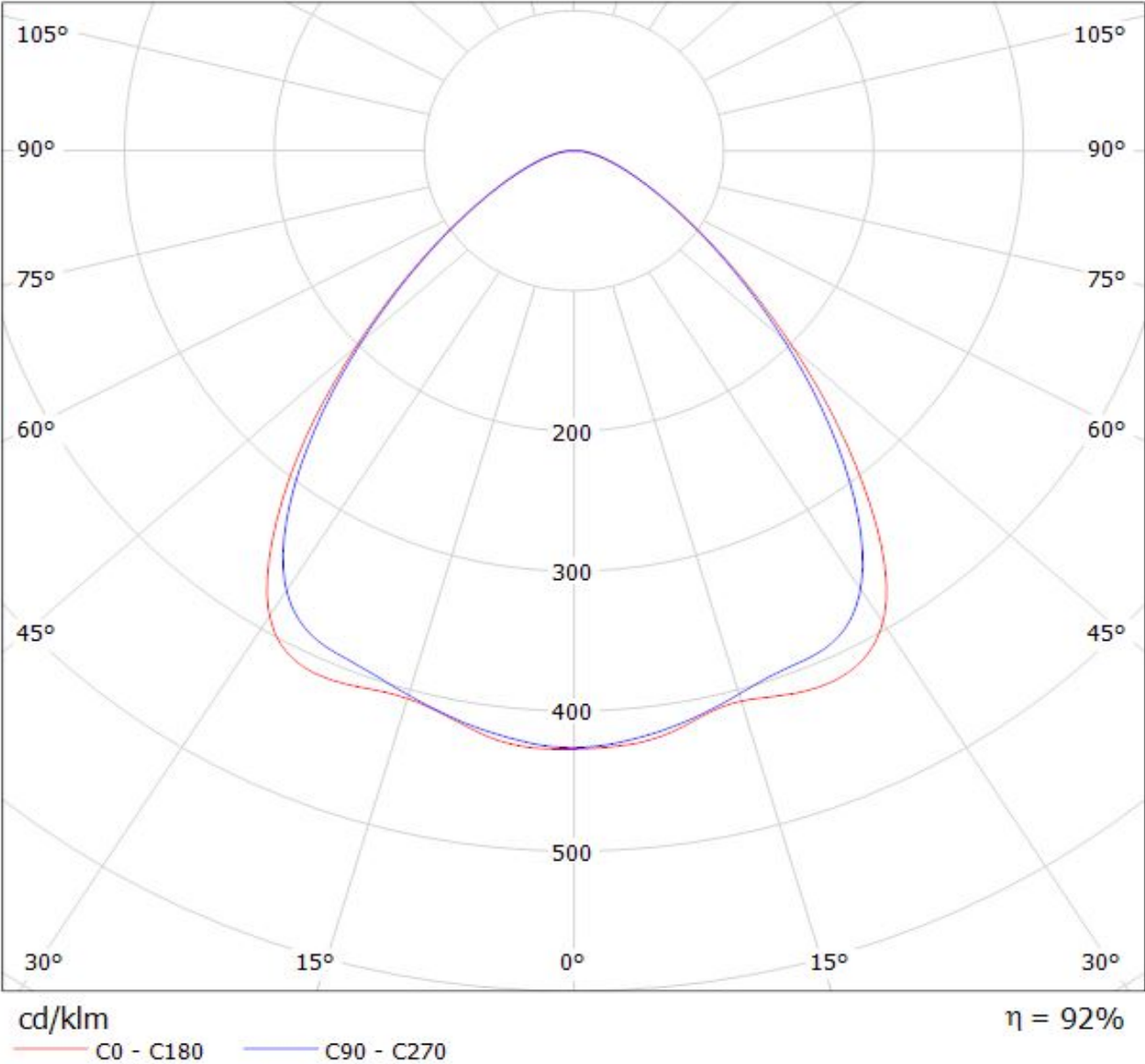
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LUXEON\_3535\_2D) Eff.87.5%  
Lamps: 1 x LUXEON\_3535\_2D\_1513.88lm@200mA\_P=12.7114W\_I=199.9mA



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_LG\_6030) Eff.87.9%  
Lamps: 1 x LG\_6030\_(LEWMS68T80HZ)\_1031.47lm@240mA\_CCT=5000K\_P=7.54368W\_I=240mA

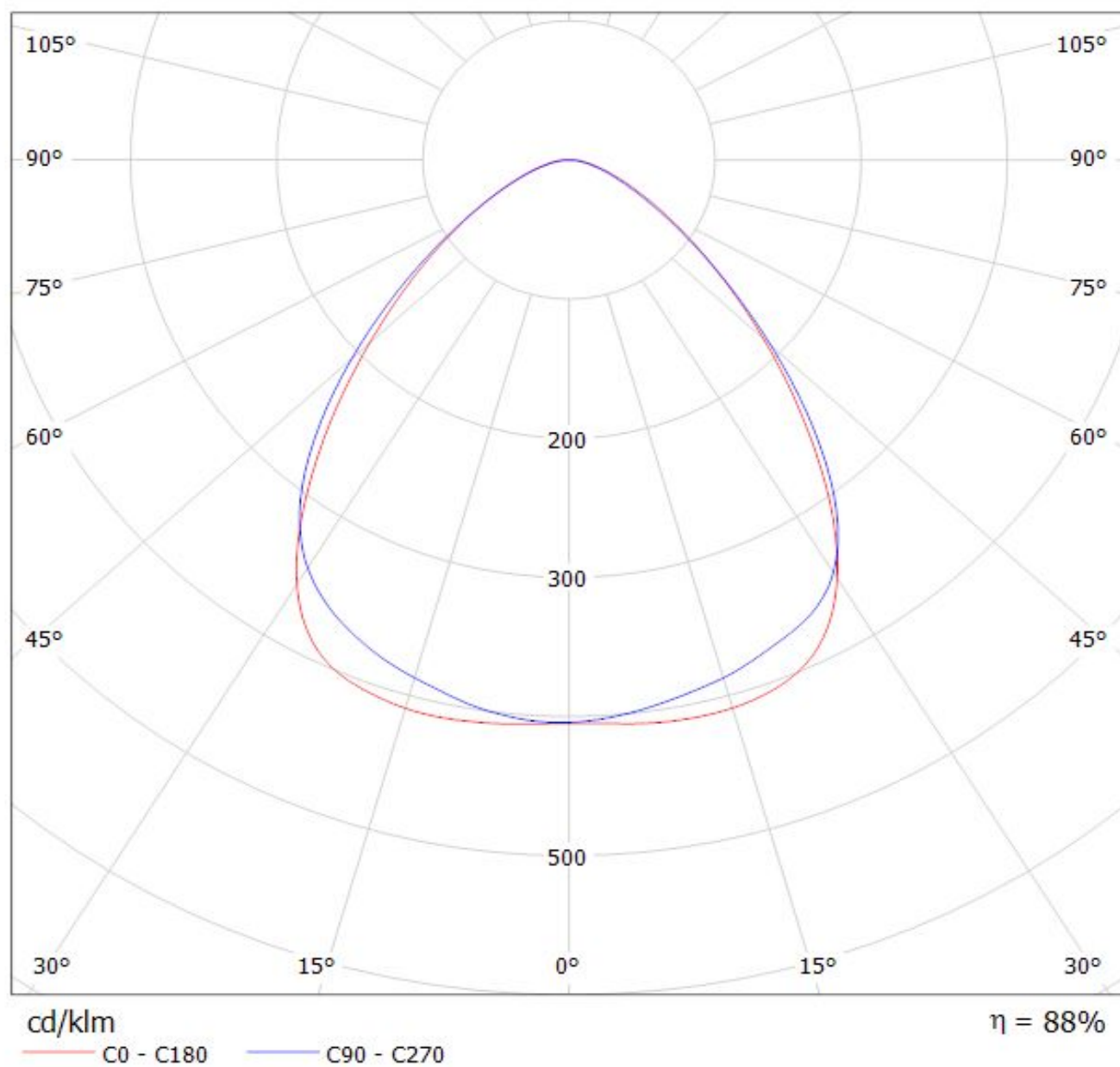


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(NICHIA757)  
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA

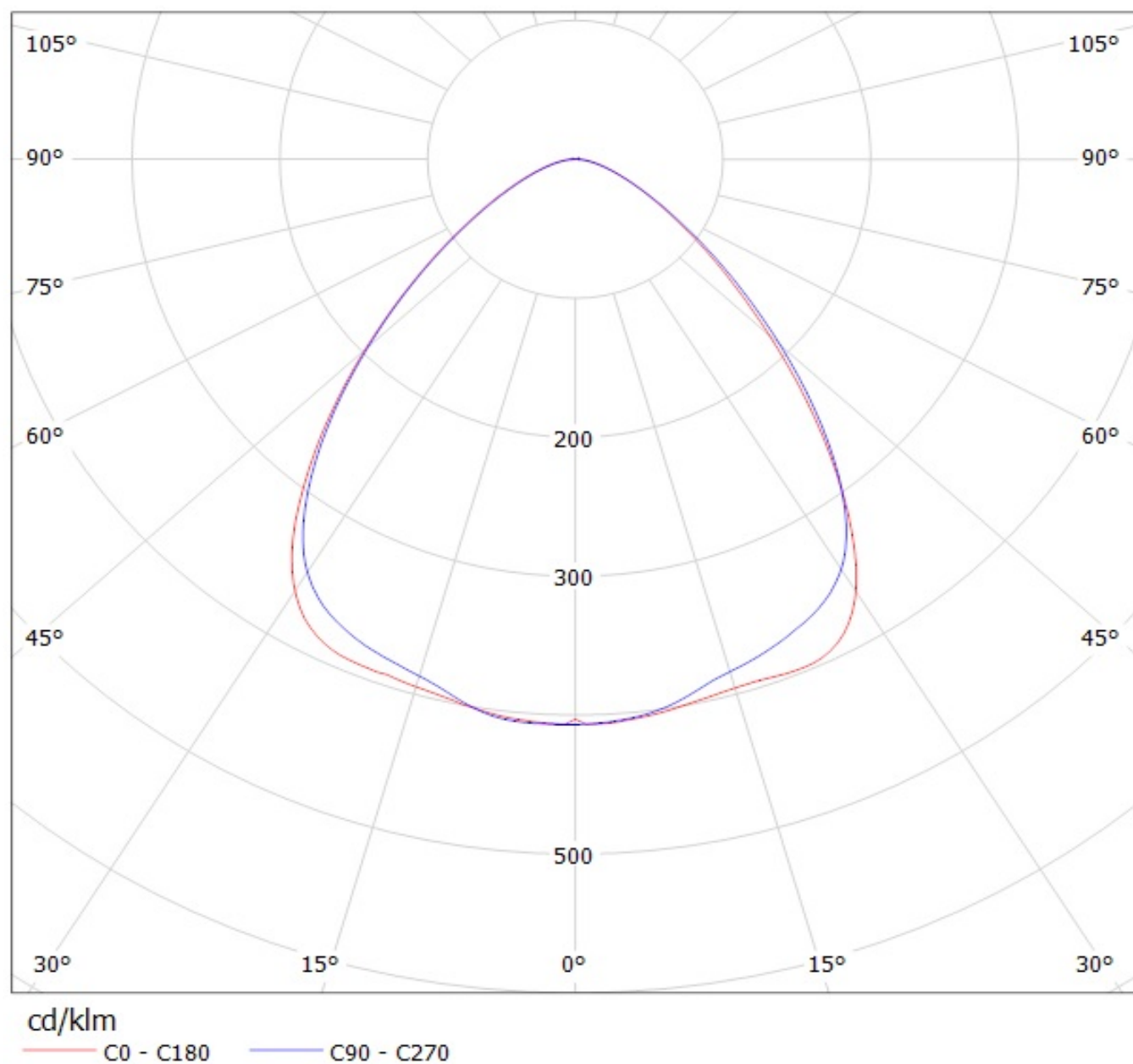


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90 Eff.87.9%

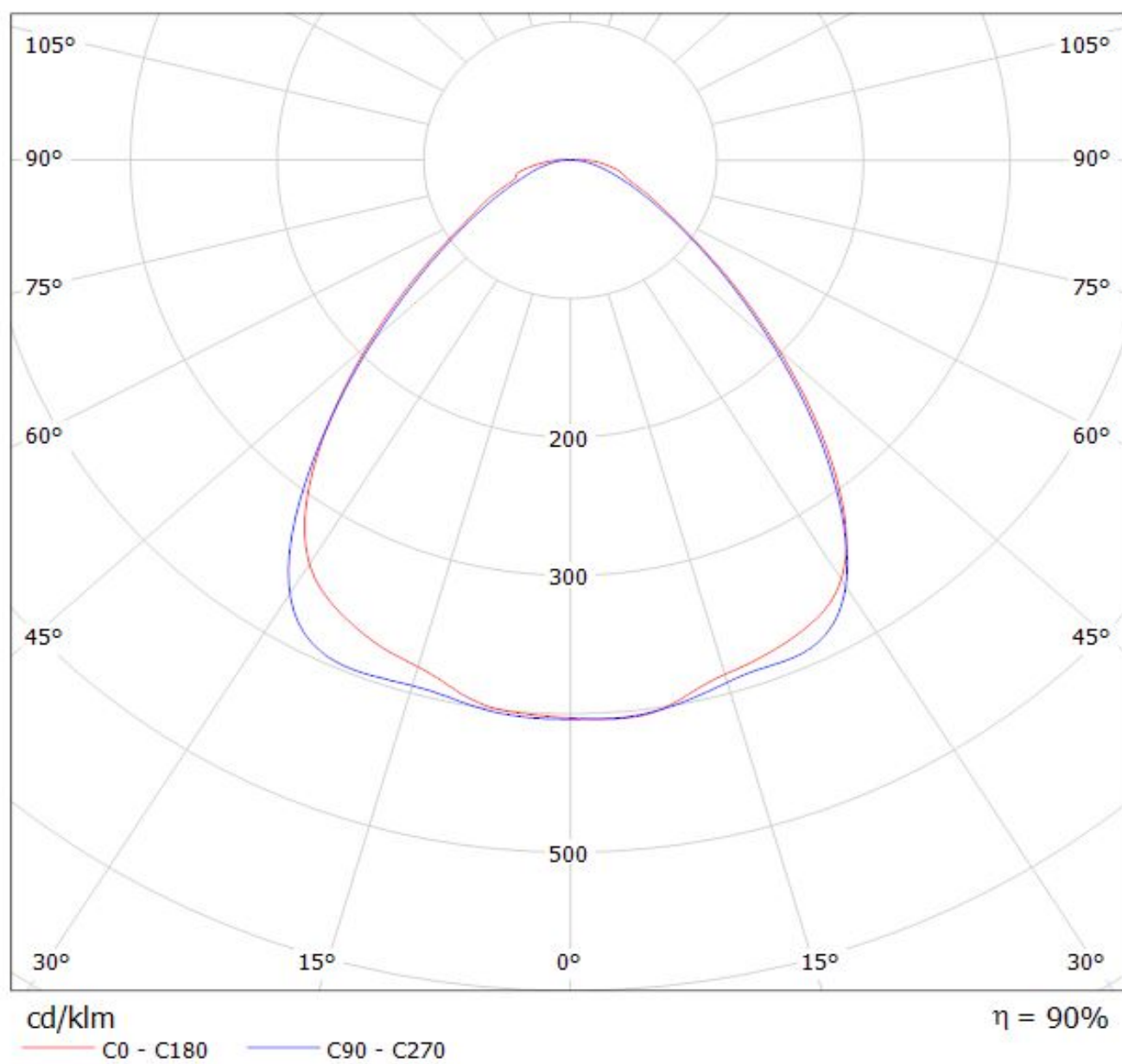
Lamps: 1 x Fortimo\_LED\_Line\_1ft\_1100lm\_3R\_HV2\_1031.47lm@240mA\_CCT=5000K\_P=7.54368W\_I=240mA



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_E5) Eff: 88%  
Lamps: 1 x Osram\_DURIS\_E5\_567.032lm@120mA\_P=3.6693W\_I=120.1mA

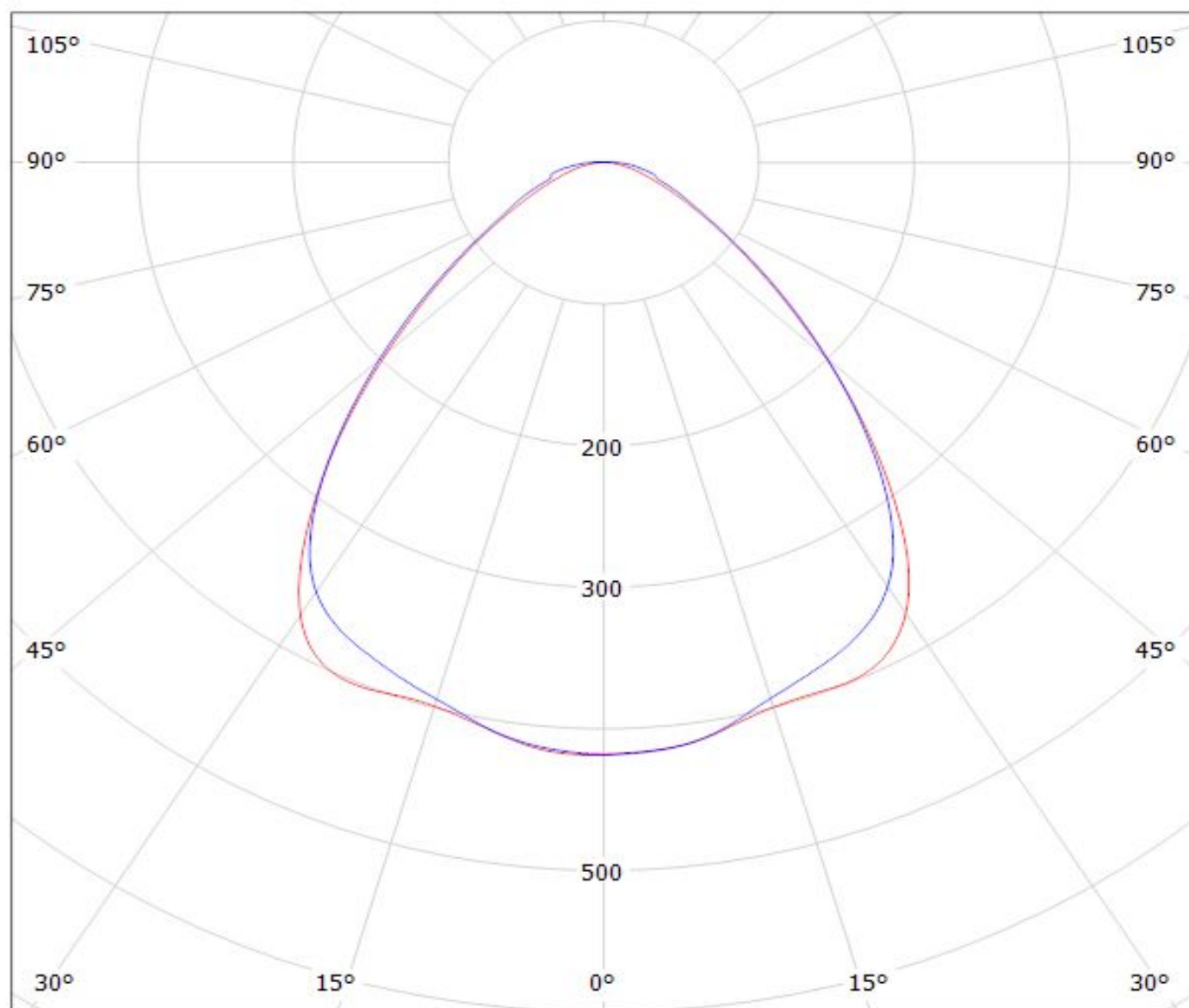


Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(AVAGO 5630 0.5W)  
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(Osram\_PLG2-BAR)

Lamps: 1 x Osram\_PLG2-BAR -1100-830-280x55-DC\_1021.93lm@225mA\_P=7.1643W\_I=0.225A



cd/klm

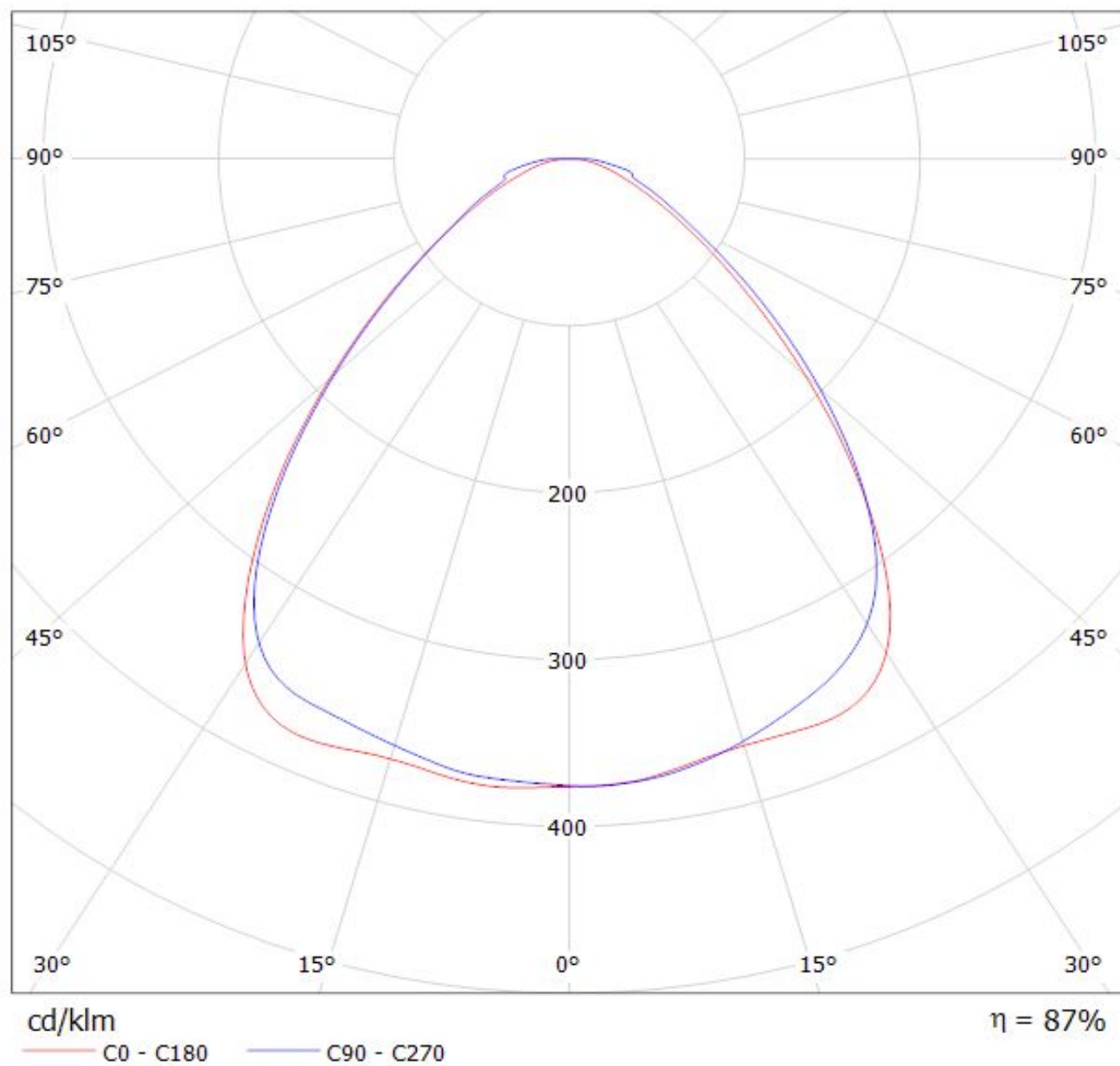
— C0 - C180

— C90 - C270

$\eta = 91\%$

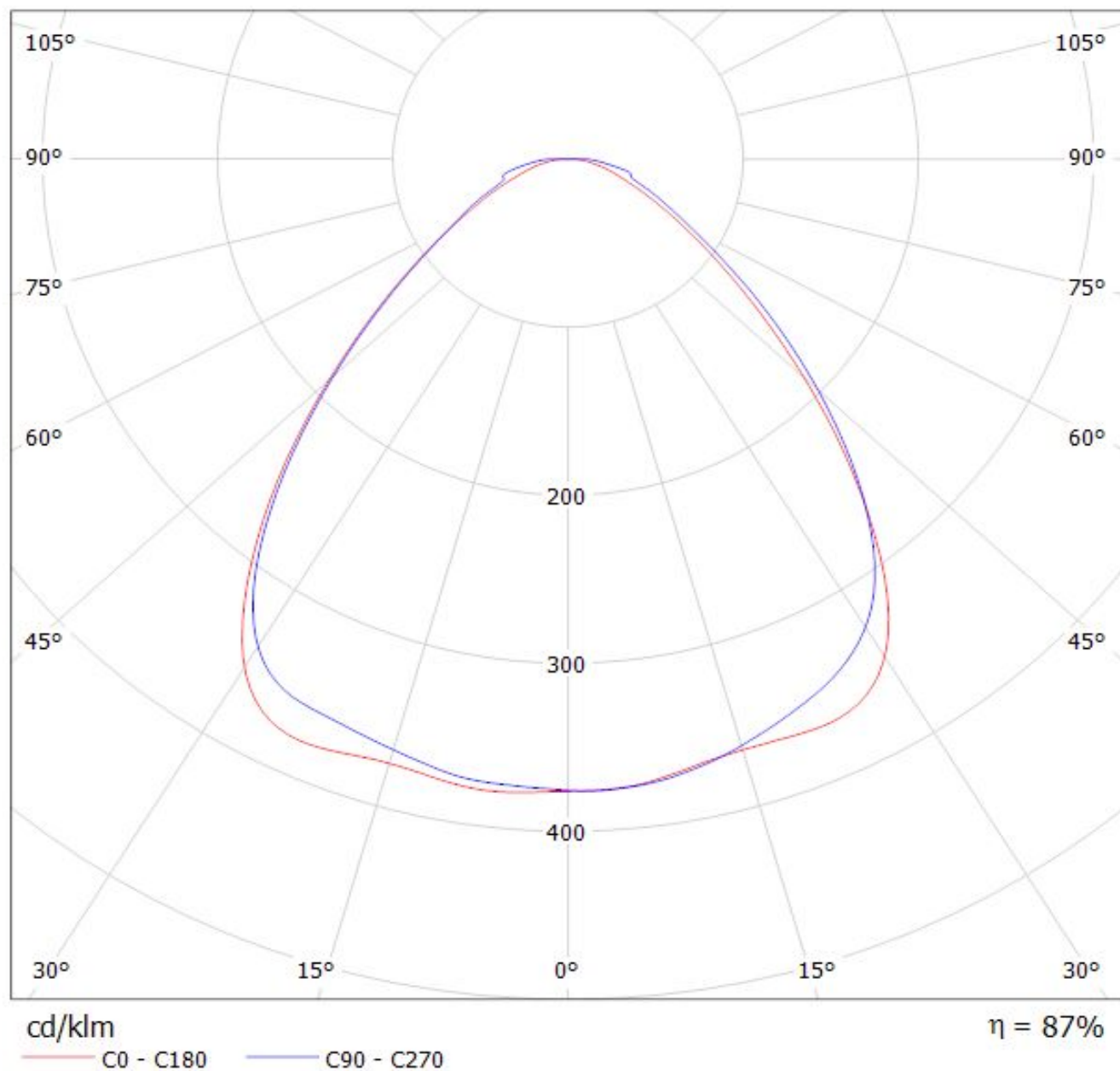
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90 (LG5630)

Lamps: 1 x FLORENCE\_FORTIMO\_(LG\_5630)\_1100lm@250mA P=8.41224W I=250.7mA



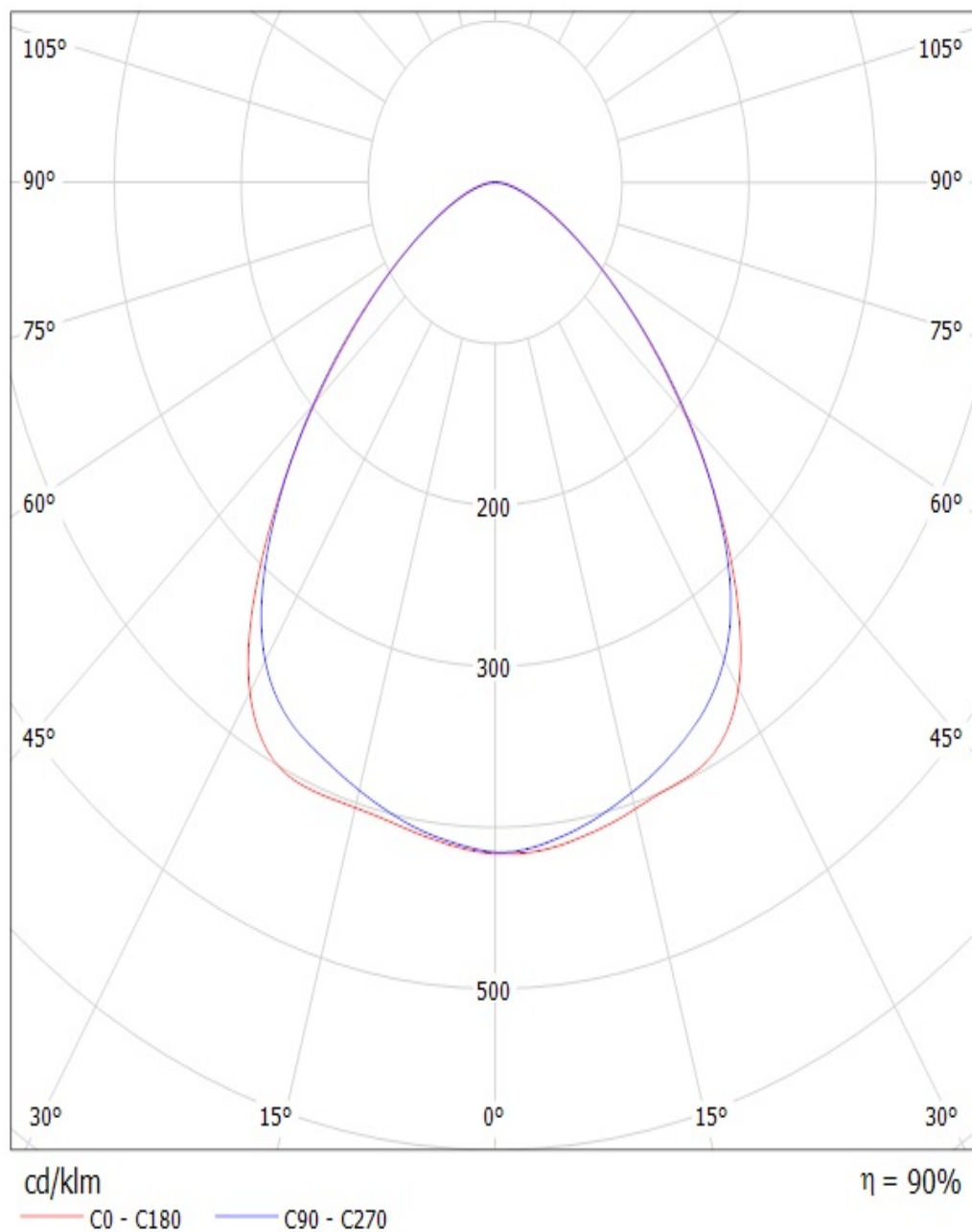
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90

Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1100lm@250mA P=8.41224W I=250.7mA



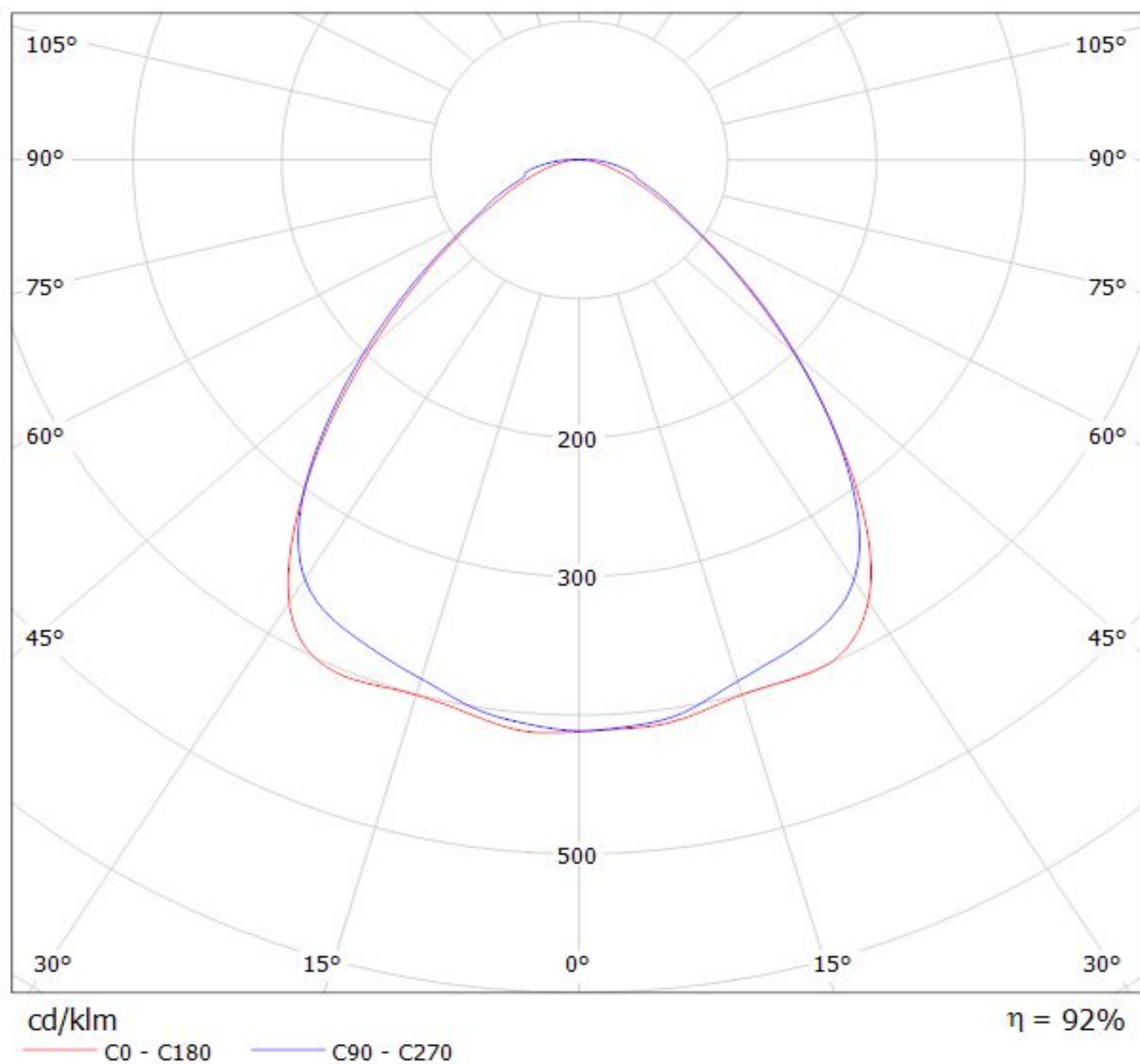
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LLE-55-280-1650)

Lamps: 1 x Tridonic\_STARK\_LLE-55-280-1650\_(STARK\_LLE-55-280-1650-840-CLA)\_1478.34lm@325lm\_CCT=4000K\_P=10.1908W\_I=324.9mA



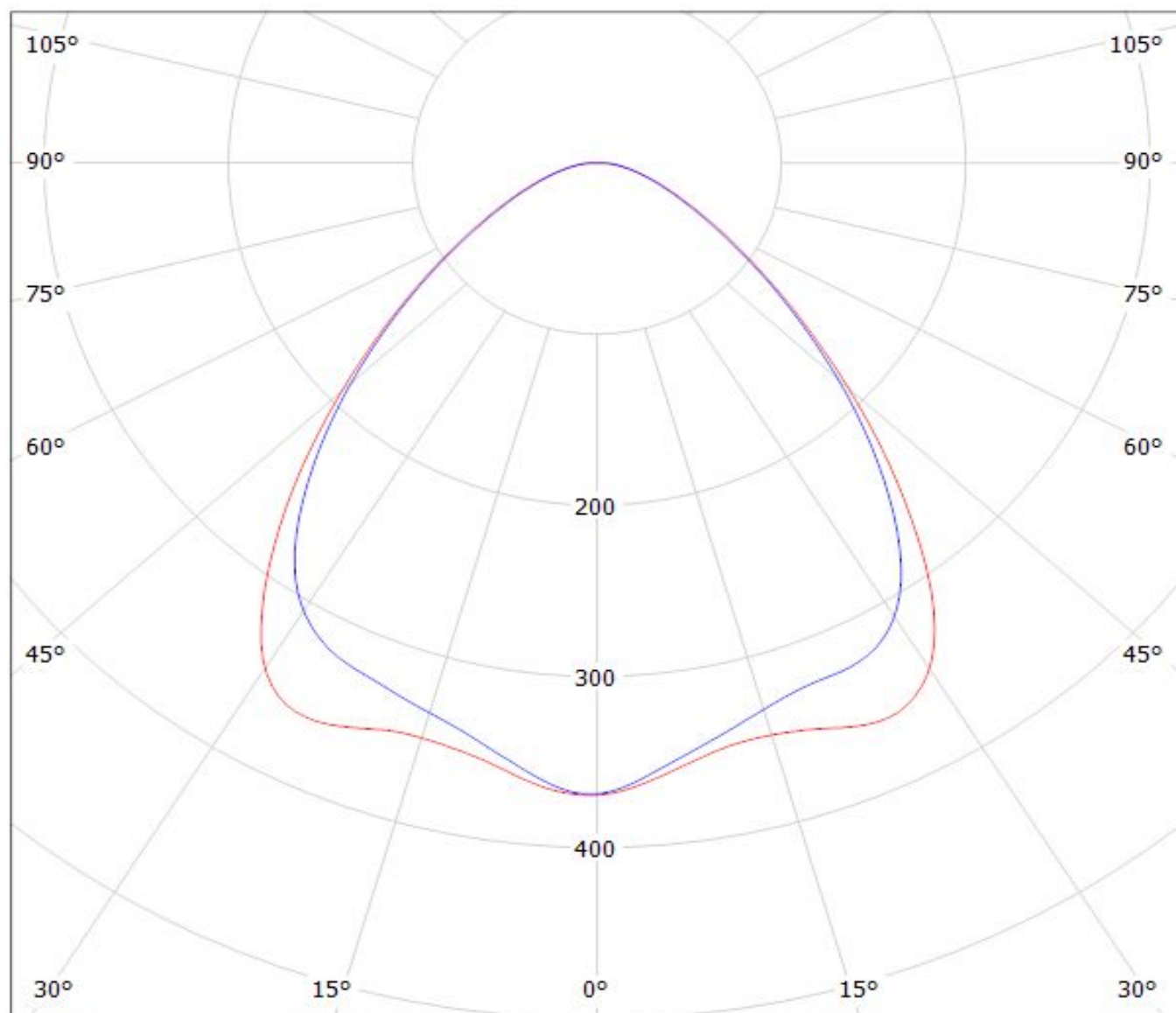
Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(LT-R286A)

Lamps: 1 x Samsung\_LT-R286A\_1304.7lm@250mA\_P=8.2181W\_I=0.250A



Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(DURIS\_P5)

Lamps: 1 x OSRAM\_DURIS\_P5\_747.995lm@250mA\_P=7.78777W\_I=249.8mA



cd/klm

$\eta = 83\%$

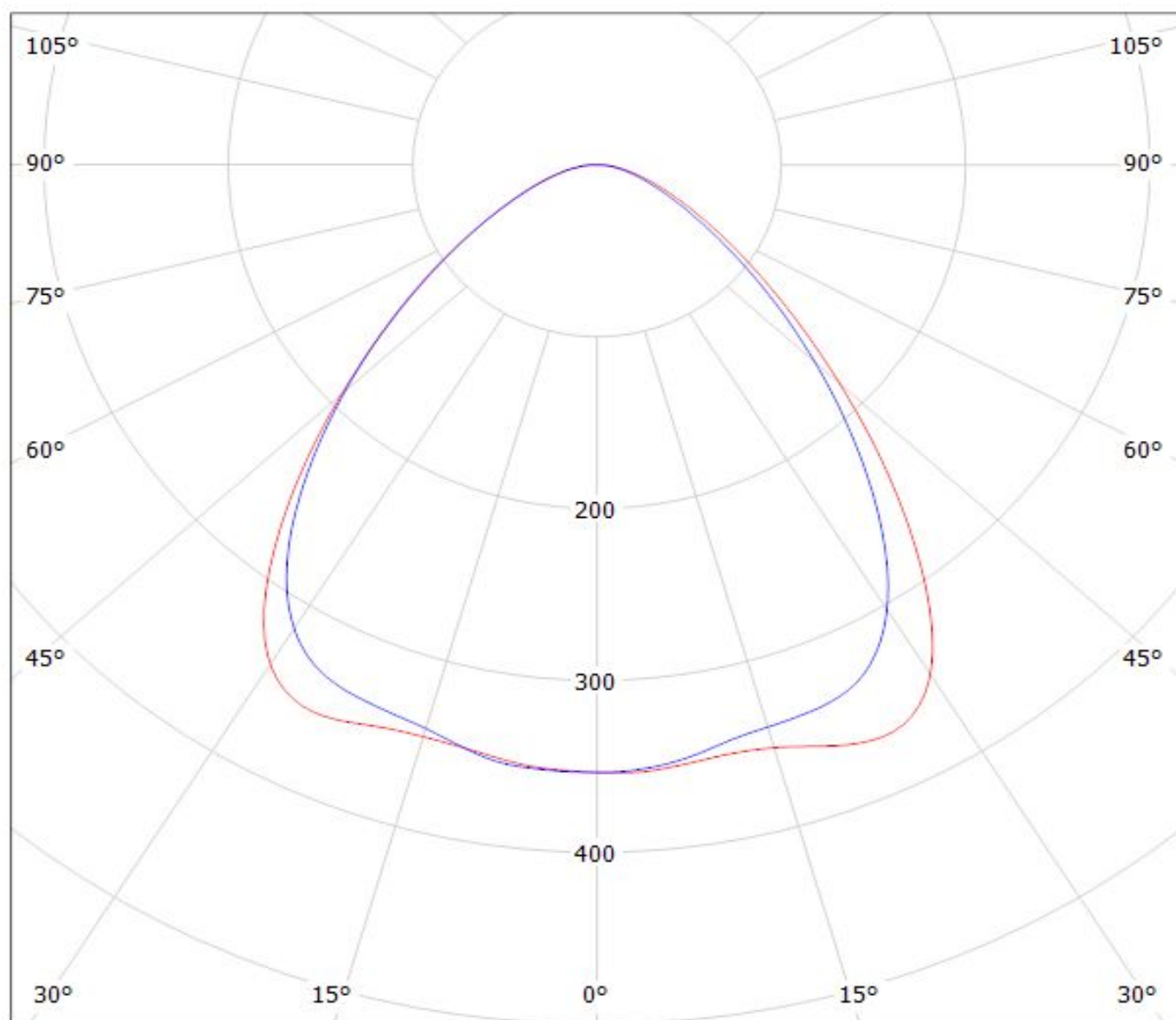
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13853\_FLORENCE-Z90\_(XH-B) EFF\_81.8%

Lamps: 1 x CREE\_XH-B\_(XHGAWT-0-7B4-J30-0H-0001)

\_1060.84lm@250mA\_CCT=5000K\_P=8W\_I=249.8mA



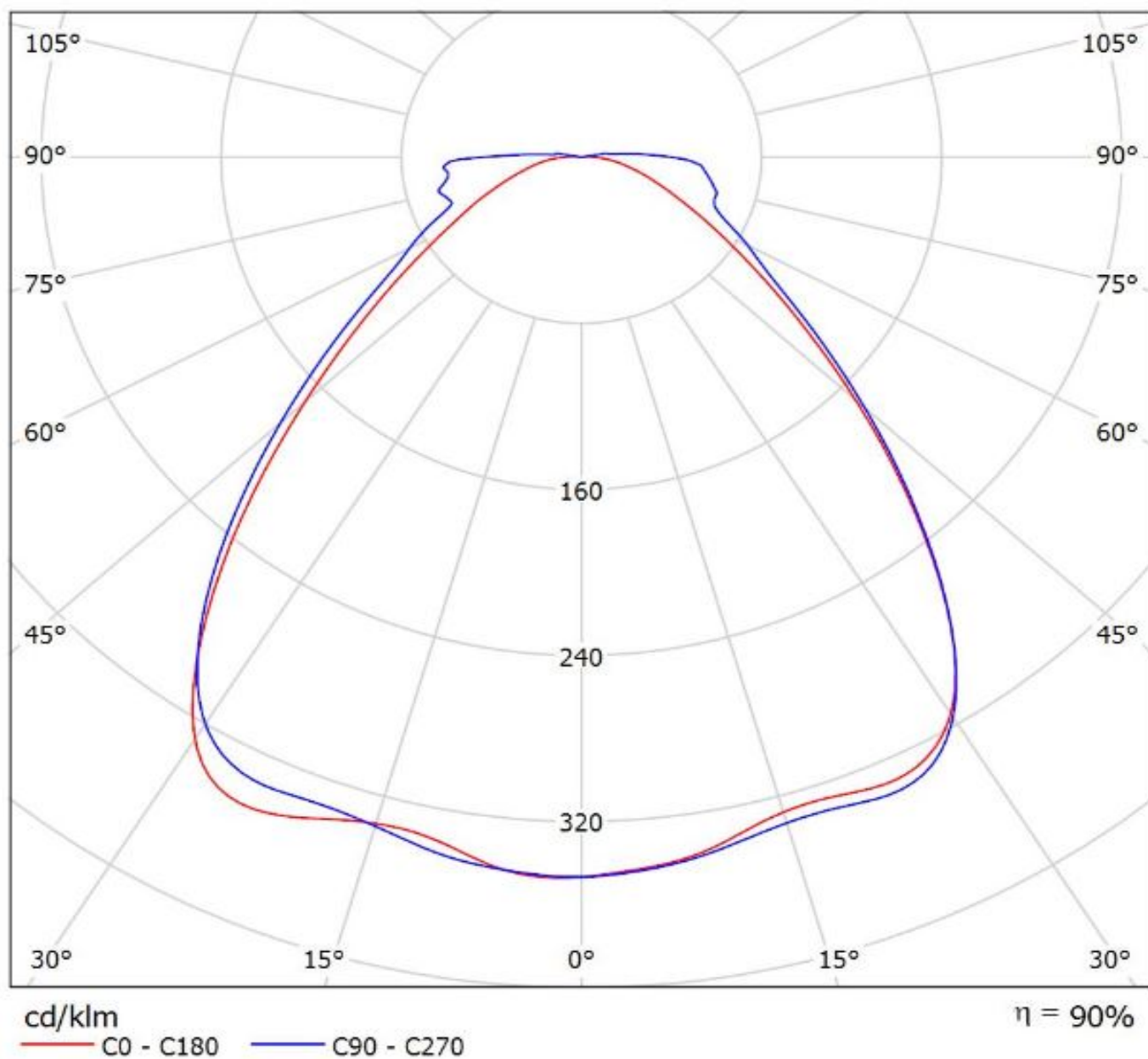
cd/klm

$\eta = 82\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil F13853\_FLORENCE-Z90\_(Duris\_S2)  
Lamps: 1 x Osram\_Duris-S2\_3x11\_(GW\_SBLMA1.EM-GUHQ-XX37-L1N2)  
\_876.783lm@195mA\_CCT=3000K\_P=6.3082W\_I=0.195A



**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.**