

## DETAILS

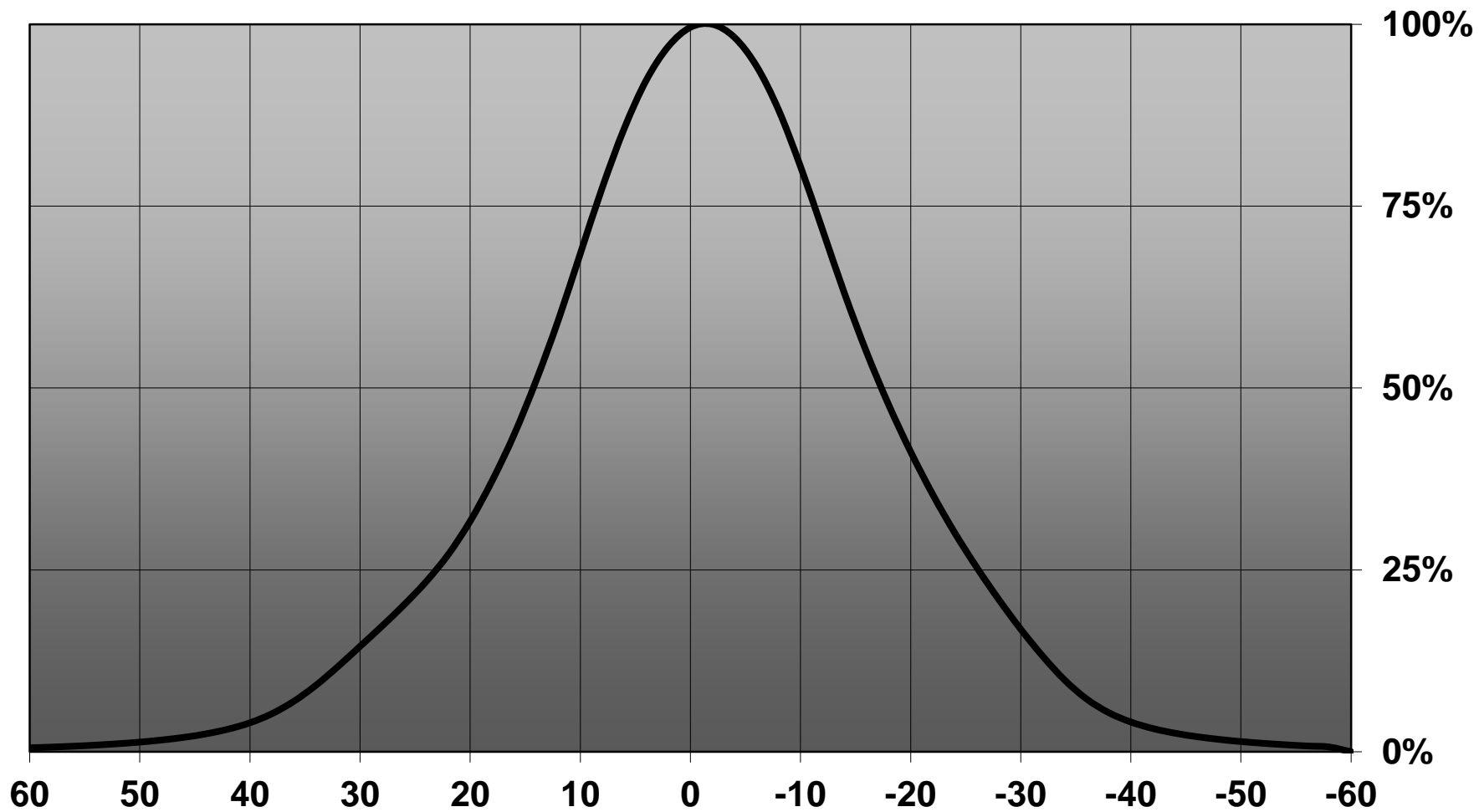
|                        |                         |
|------------------------|-------------------------|
| <b>Product Number</b>  | CP12945_LARISA-W-CLIP16 |
| <b>Family</b>          | Larisa                  |
| <b>Type</b>            | Assembly                |
| <b>Color</b>           | black                   |
| <b>Diameter</b>        | 9,9 x 9,9 mm            |
| <b>Height</b>          | 7,5 mm                  |
| <b>Style</b>           | square                  |
| <b>Optic Material</b>  | PMMA                    |
| <b>Holder Material</b> | PC                      |
| <b>Fastening</b>       | clips, glue             |
| <b>Status</b>          | ready                   |
| <b>ROHS Compliant</b>  | Yes                     |
| <b>Date Updated</b>    | 19/03/2015              |



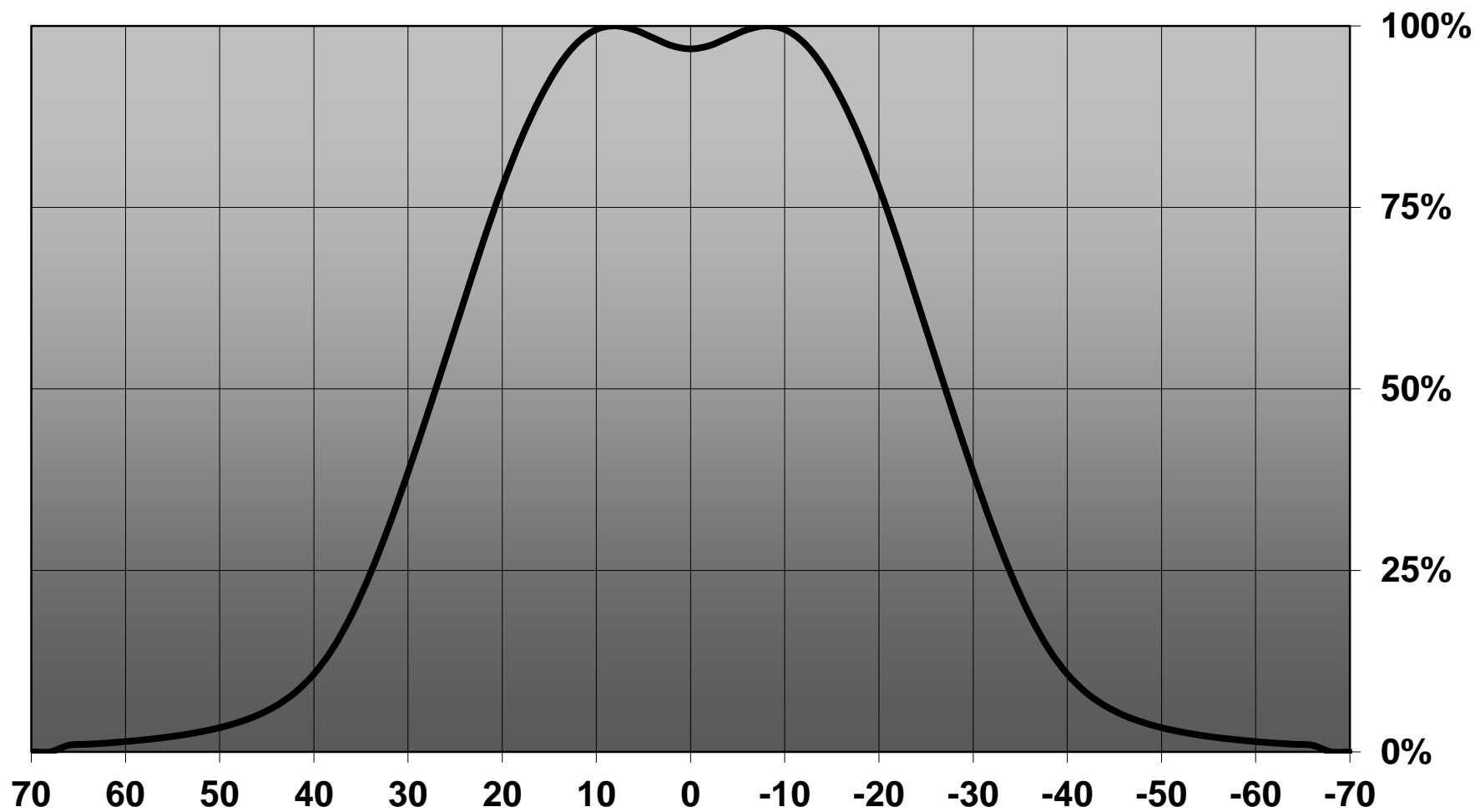
## OPTICAL PROPERTIES

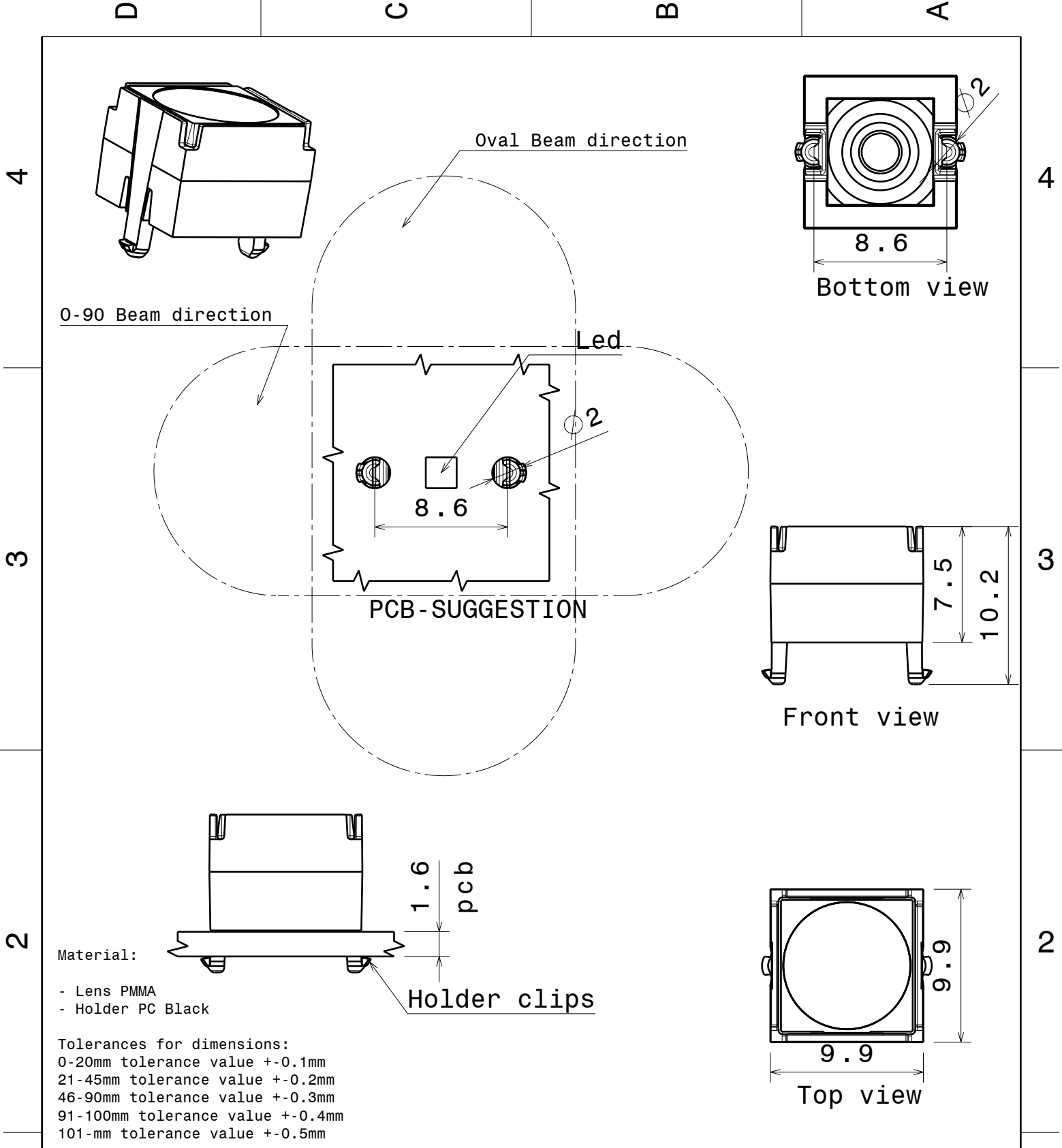
| LED               | Viewing | Light | Effi-     |            | Connector |
|-------------------|---------|-------|-----------|------------|-----------|
|                   | Angle   | Beam  | ciency    | cd/lm      |           |
| XP-E              | sim: 39 | Wide  | sim: 95 % | sim: 0.000 | -         |
| LUXEON Z          | 32 deg  | Wide  | 85 %      | 2.090      | -         |
| LUXEON Z ES       | 37 deg  | Wide  | 88 %      | 1.740      | -         |
| NCSxx19A          | 39 deg  | Wide  | 85 %      | 1.500      | -         |
| Duris S5 (2 chip) | 41 deg  | Wide  | 85 %      | 1.500      | -         |
| XB-D              | 45 deg  | Wide  | 84 %      | 1.300      | -         |
| NVSxx19A          | 45 deg  | Wide  | 84 %      | 1.200      | -         |
| XQ-E              | 46 deg  | Wide  | 84 %      | 1.200      | -         |
| Oslon Square EC   | 46 deg  | Wide  | 82 %      | 1.100      | -         |
| LUXEON Rebel      | 47 deg  | Wide  | 88 %      | 1.300      | -         |
| LUXEON Rebel ES   | 52 deg  | Wide  | 87 %      | 1.100      | -         |
| Oslon SSL 150     | 55 deg  | Wide  | 86 %      | 1.200      | -         |
| H35C0 (LEMWA33)   | 55 deg  | Wide  | 82 %      | 1.000      | -         |
| LUXEON A          | 63 deg  | Wide  | 86 %      | 0.800      | -         |

Relative intensity of CP12945\_LARISA-W-CLIP16\_(Luxeon Z)



**Relative intensity of LARISA-W CLIP8&CLIP16 (SSL150)**





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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

**DRAWING TITLE**

**Datasheet LARISA-CLIP16 assembly**

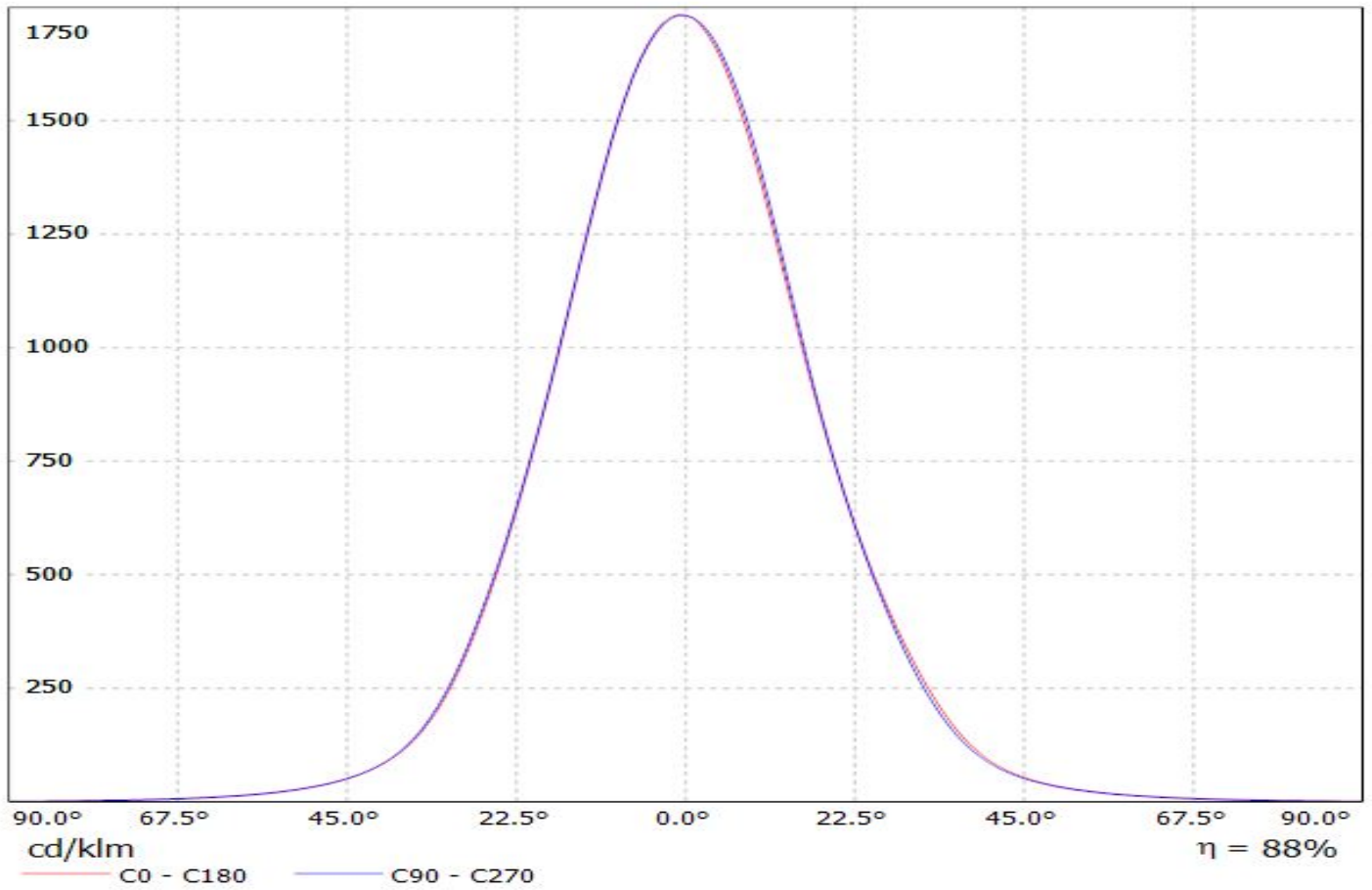
|                              |                           |                     |  |                   |                            |                  |                 |
|------------------------------|---------------------------|---------------------|--|-------------------|----------------------------|------------------|-----------------|
| <b>DRAWN BY</b><br>mav       | <b>DATE</b><br>11.06.2012 | <b>SIZE</b><br>A4   |  |                   | <b>DRAWING NUMBER</b><br>- |                  | <b>REV</b><br>1 |
| <b>CHECKED BY</b><br>pv      | <b>DATE</b><br>11.06.2012 | <b>SCALE</b><br>4:1 |  | <b>WEIGHT (g)</b> |                            | <b>SHEET</b> 1/1 |                 |
| <b>DESIGNED BY</b><br>mav/pv | <b>DATE</b><br>15.05.2012 |                     |  |                   |                            |                  |                 |

D

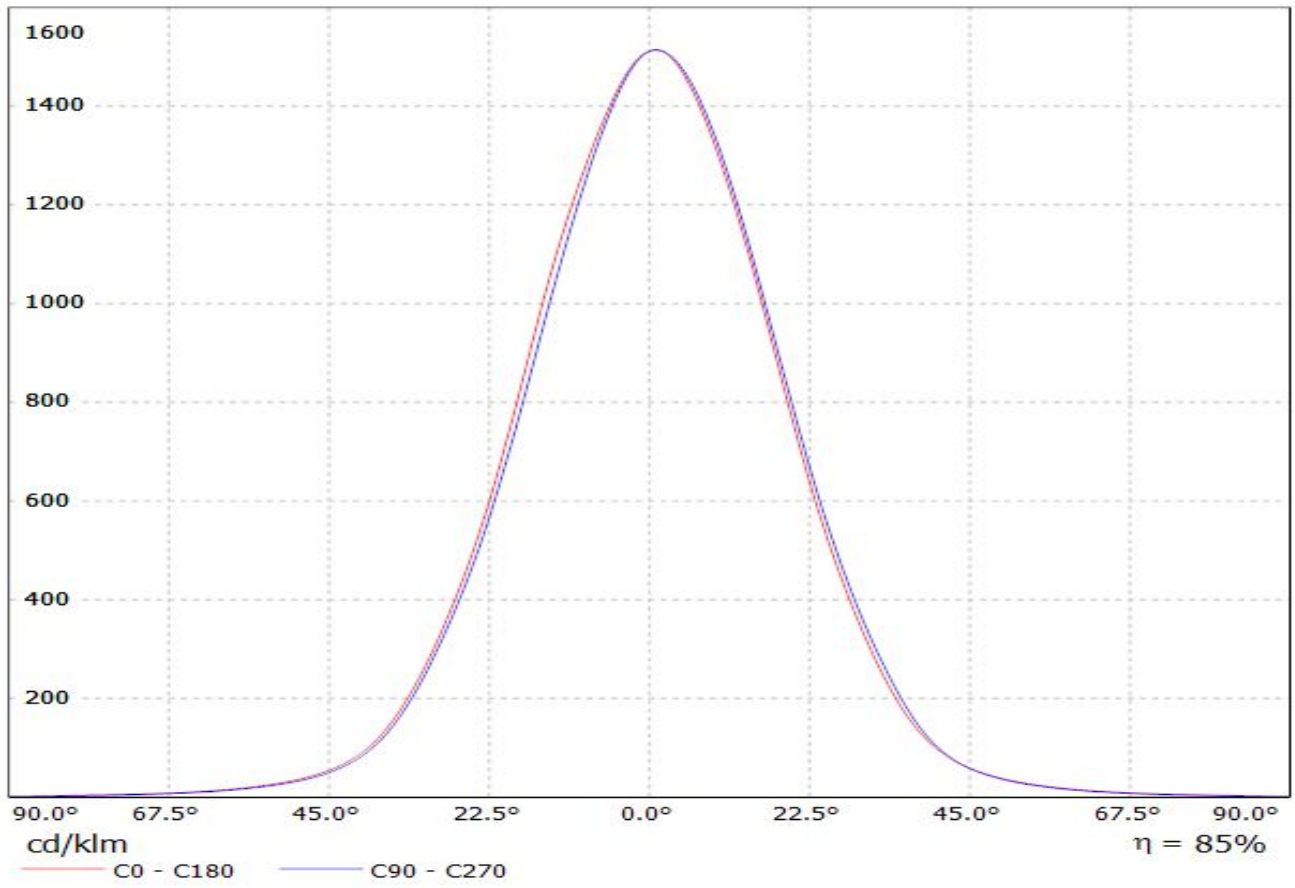
A

Luminaire: LEDiL Oy CP12945\_LARISA-W-CLIP16\_(Luxeon\_Z\_ES)

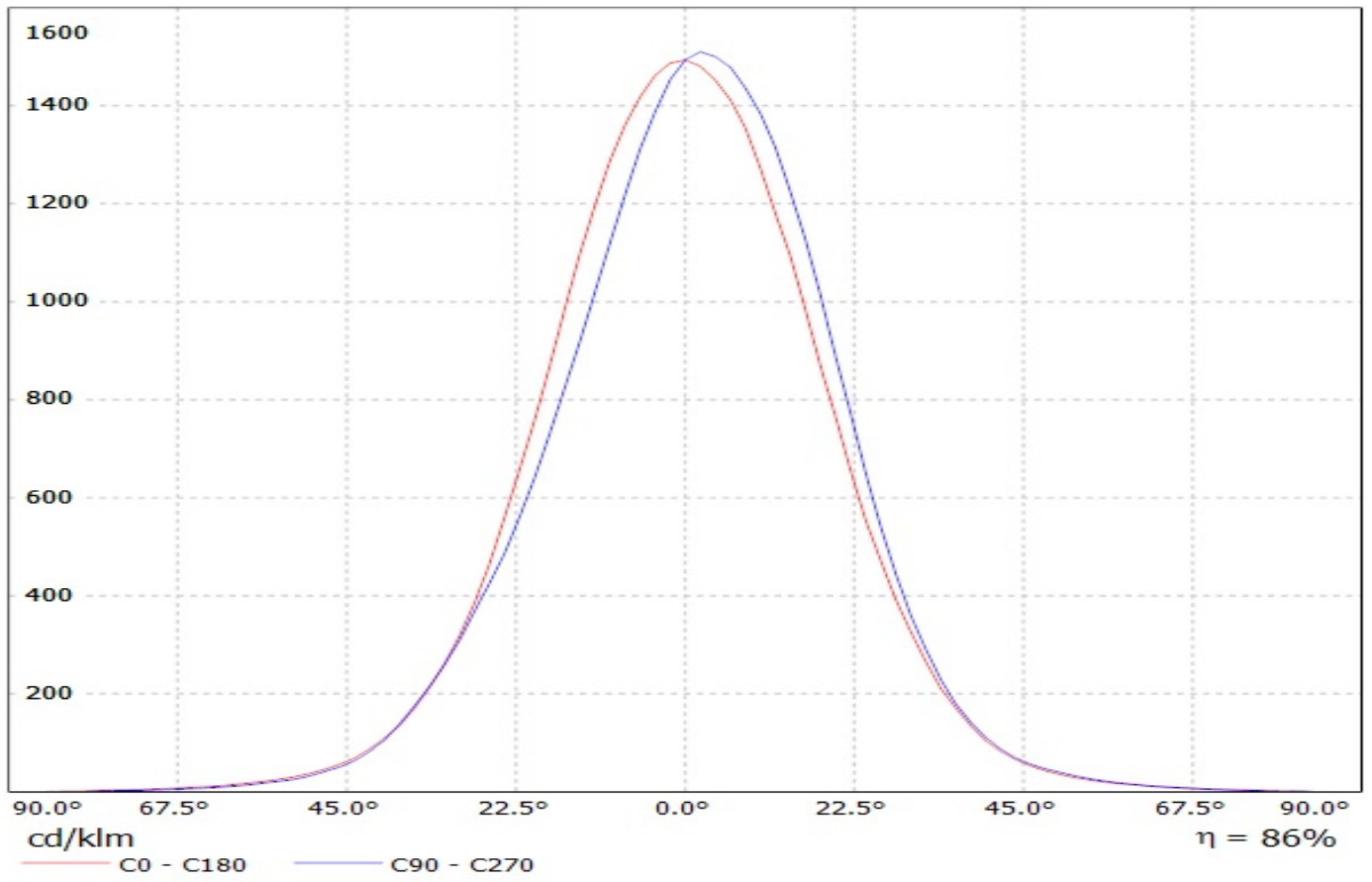
Lamps: 1 x Philips\_Lumileds\_Luxeon\_Z\_ES\_(LX22-2790)\_51.1518lm@250mA\_P=0.73718W\_I=249.9mA



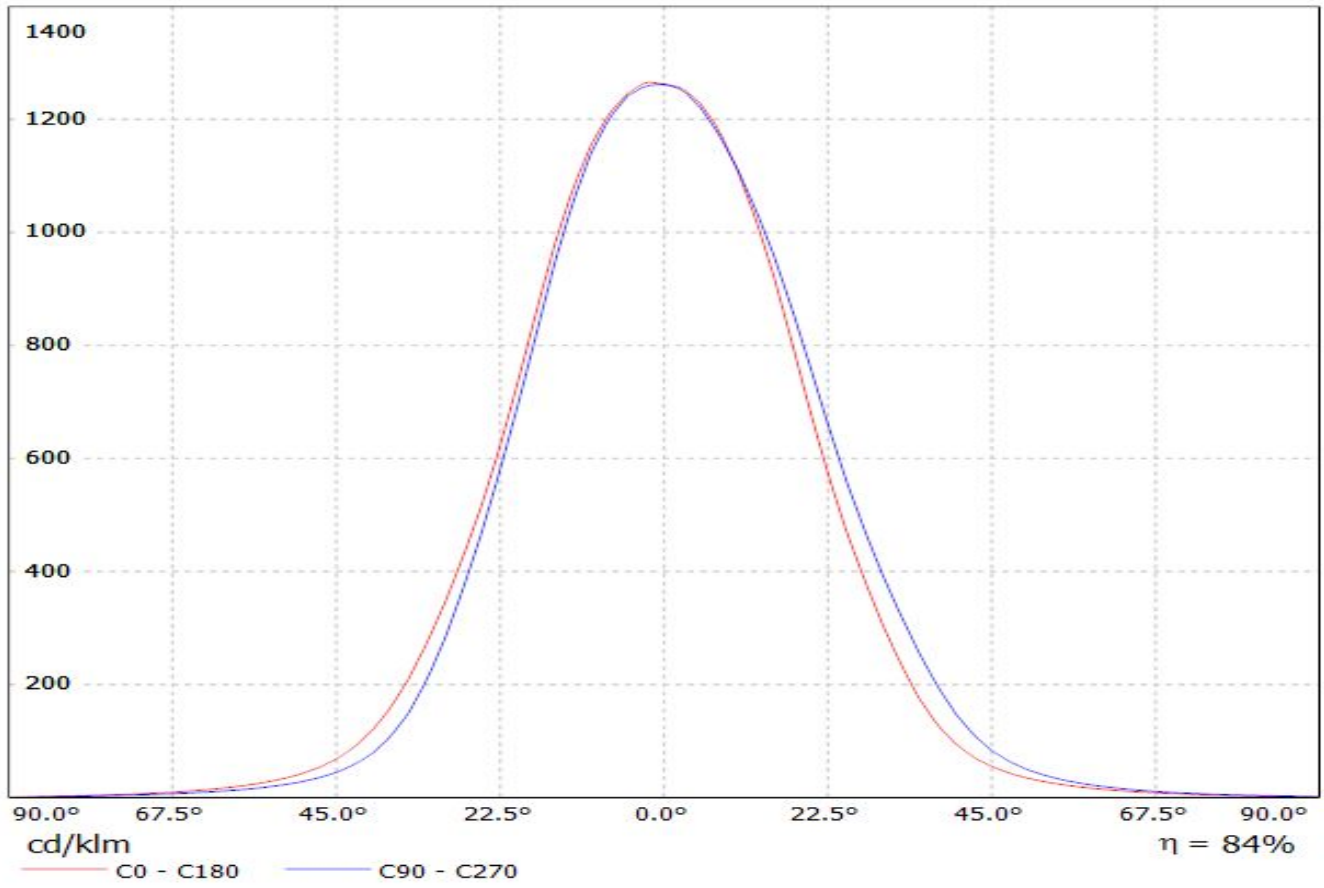
Luminaire: LEDiL Oy LARISA-W\_NCS19\_(CLIP8&CLIP16) Eff.84.7%  
Lamps: 1 x NCS19 (88.2595lm@250mA)



Luminaire: LEDil Oy CP12945\_LARISA-W-CLIP16\_(DURIS\_S5) Efficiency=85%  
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA

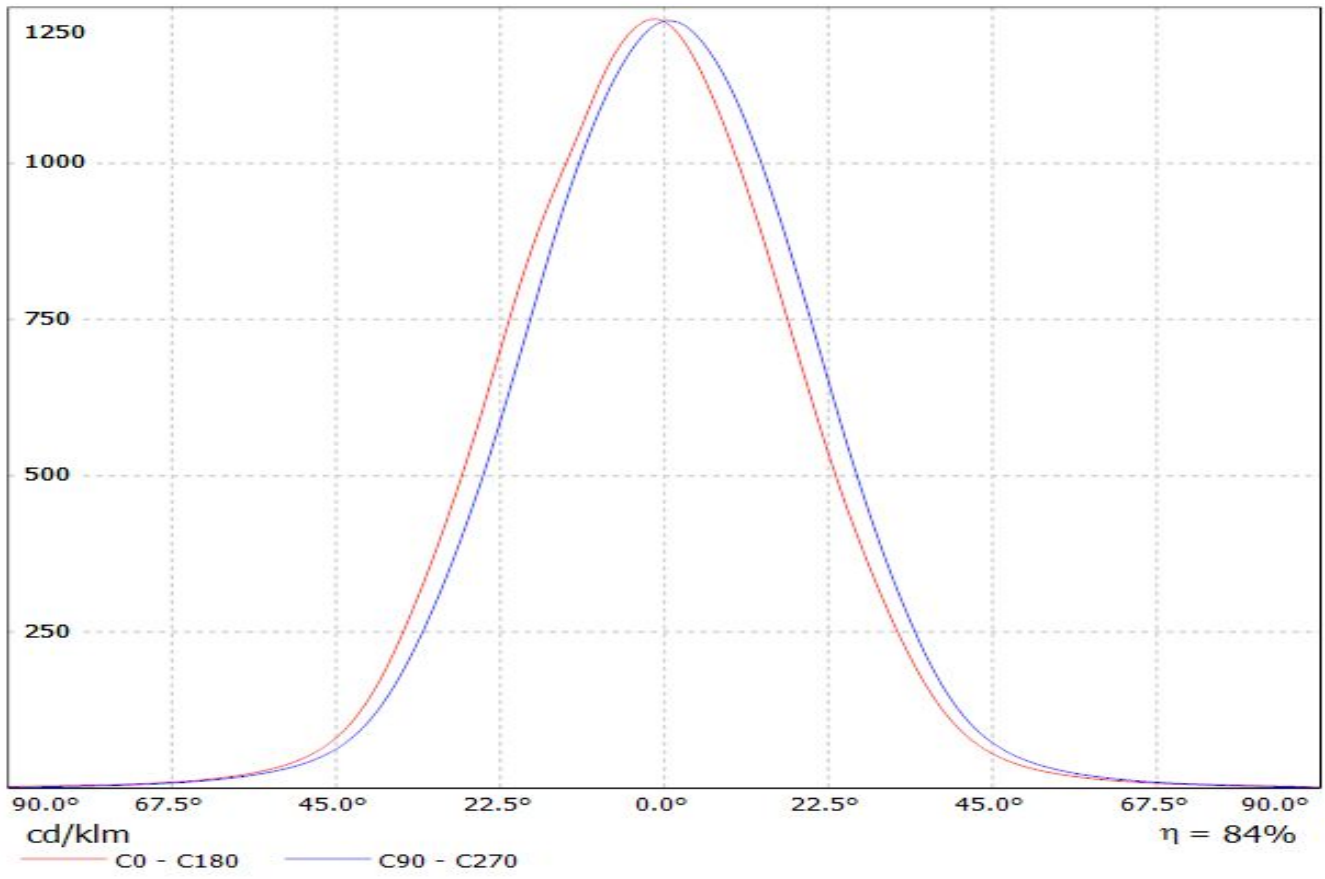


Luminaire: LEDIL OY CP12944&CP12945\_LARISA-W\_(XB-D) Eff.84%  
Lamps: 1 x XB-D (91.55lm@250mA)



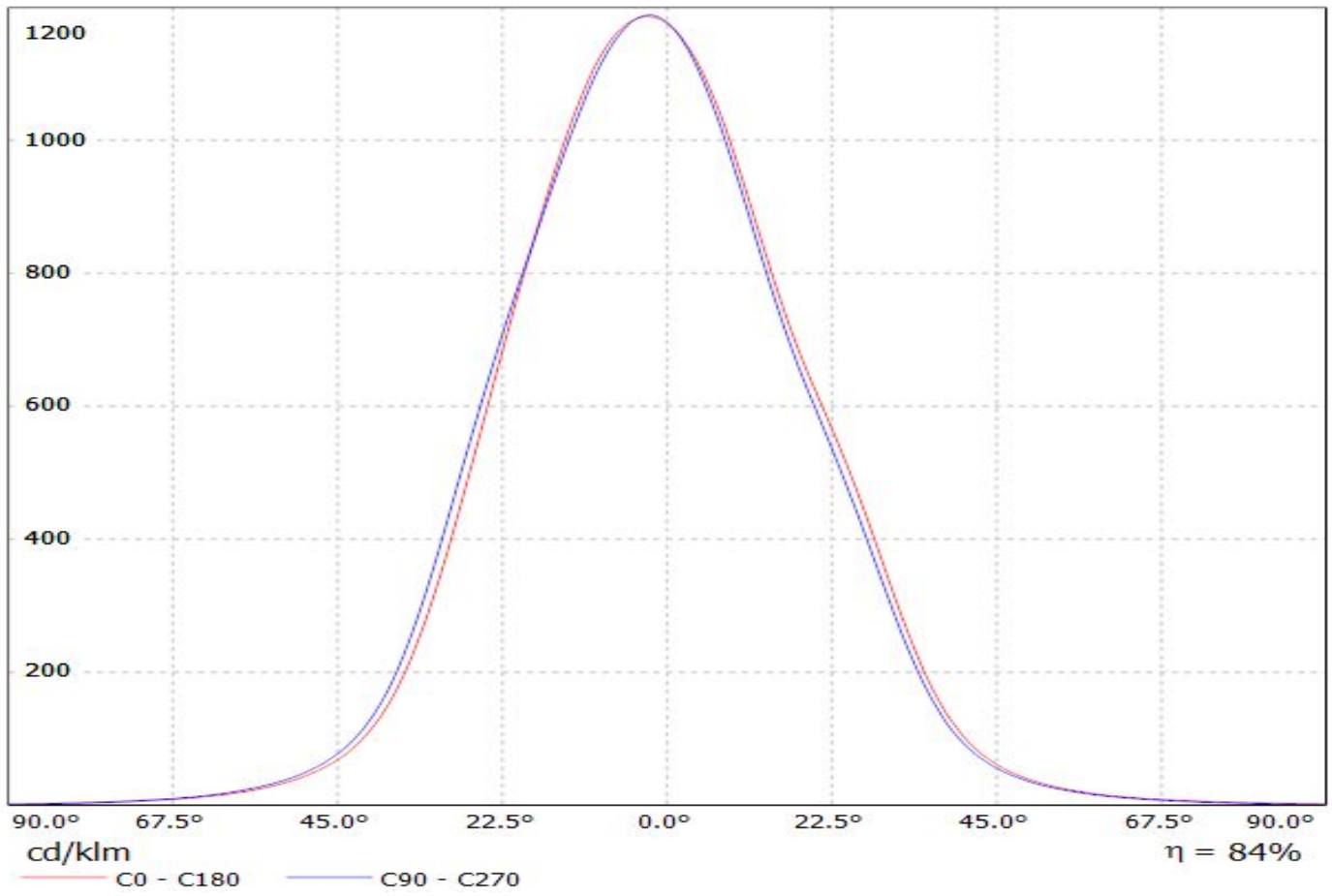


Luminaire: LEDiL Oy LARISA-W\_NV519\_(CLIP8&CLIP16) Eff.84.0%  
Lamps: 1 x NV519 (97.9644lm@250mA)

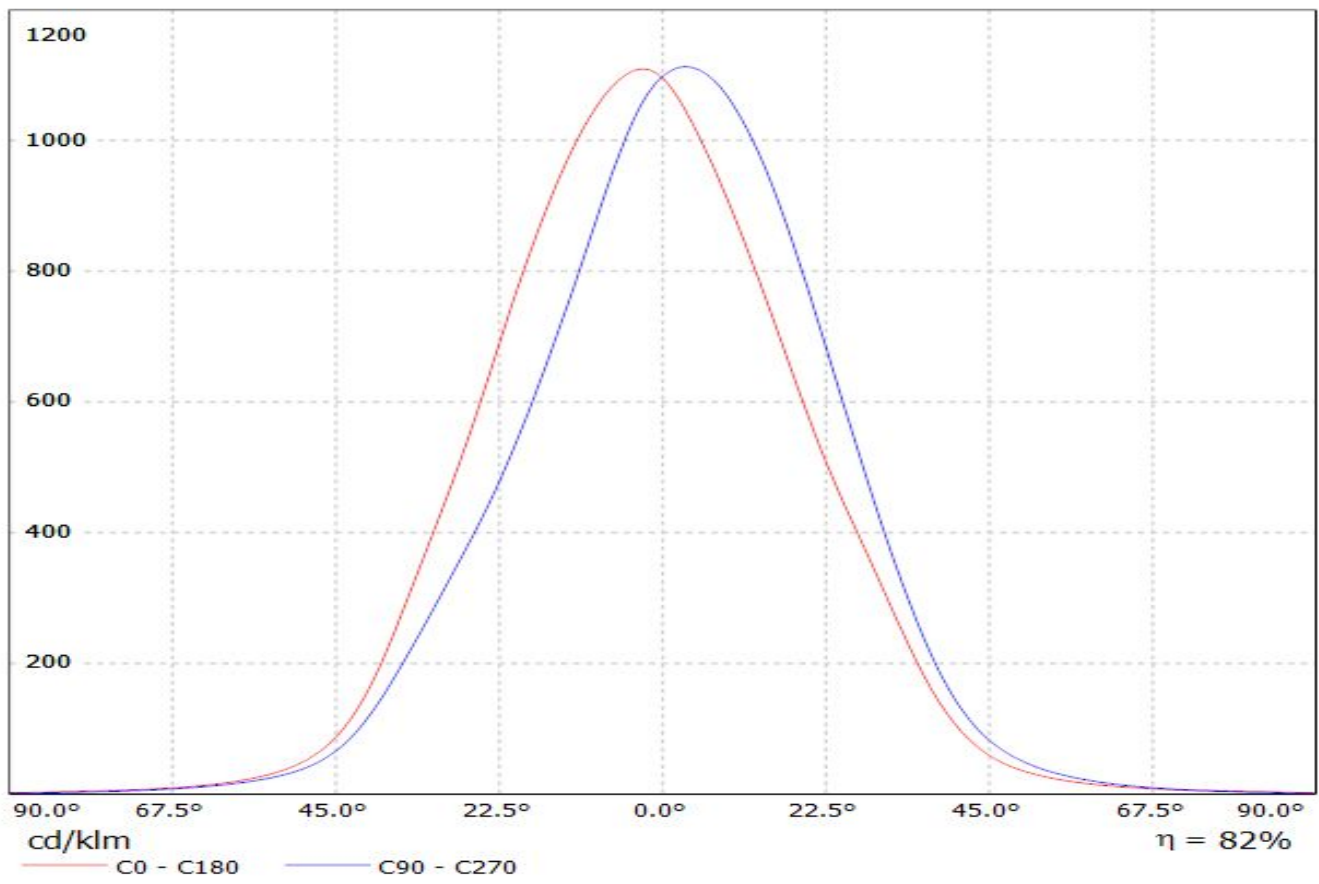


Luminaire: LEDiL Oy CP12944\_LARISA-W-CLIP8\_(XQ-E)

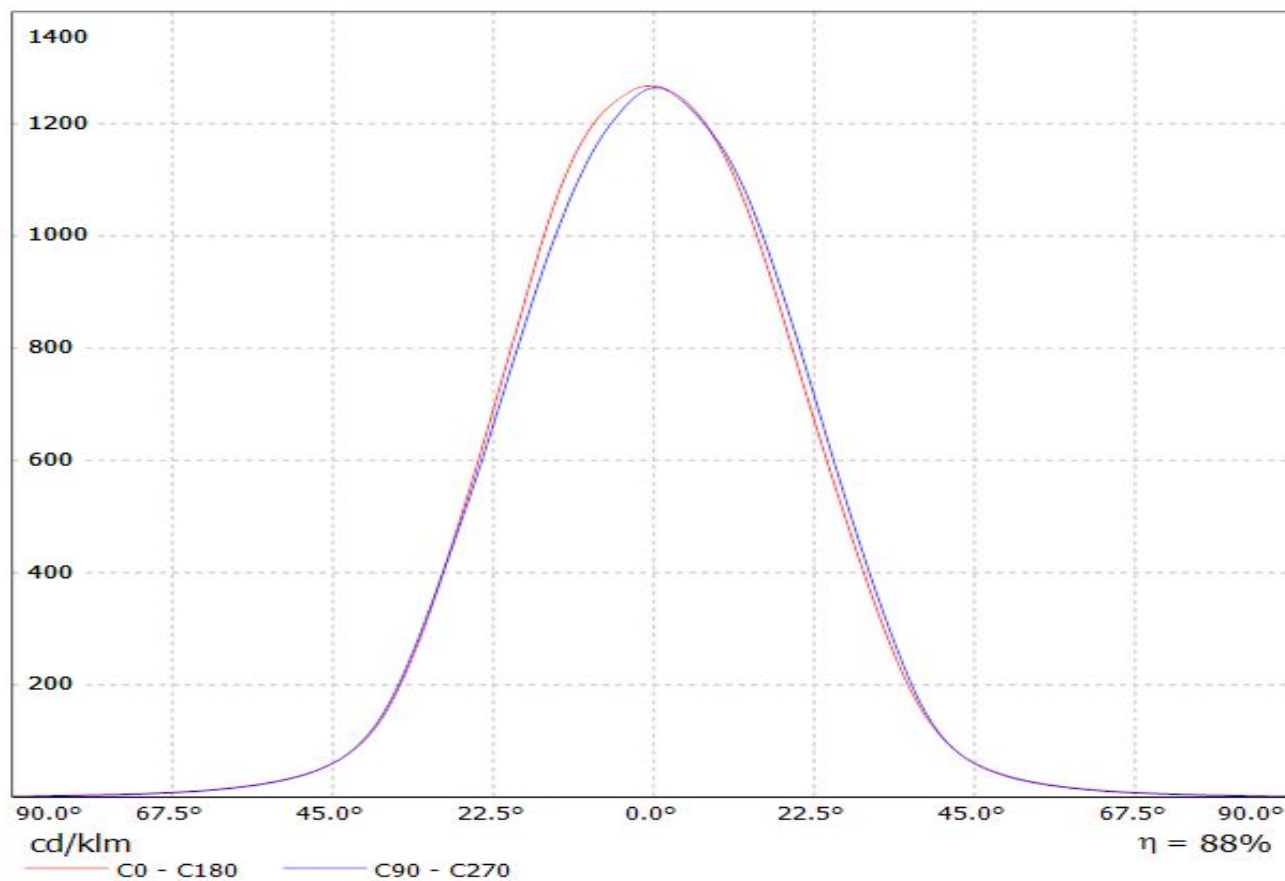
Lamps: 1 x Cree\_XQ-E\_(XQEAWT-0-7B1-Q40-0H-00001\_81.2847lm@250mA\_P=0.764419W\_I=250mA)



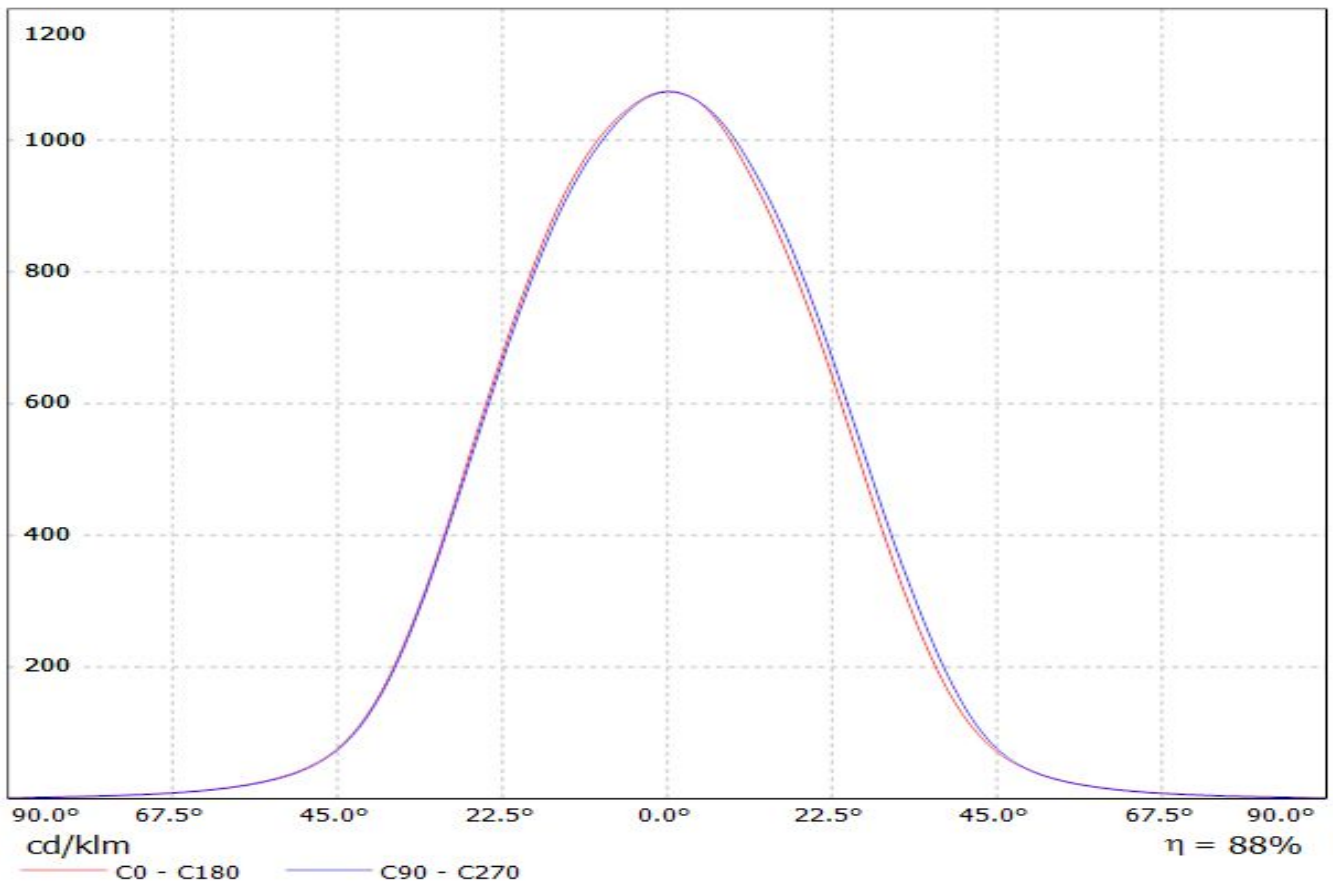
Luminaire: LEDiL Oy LARISA-W\_SQ-EC\_(CLIP8&CLIP16) Eff.81.8%  
Lamps: 1 x SQ-EC (64.5379lm@250mA)



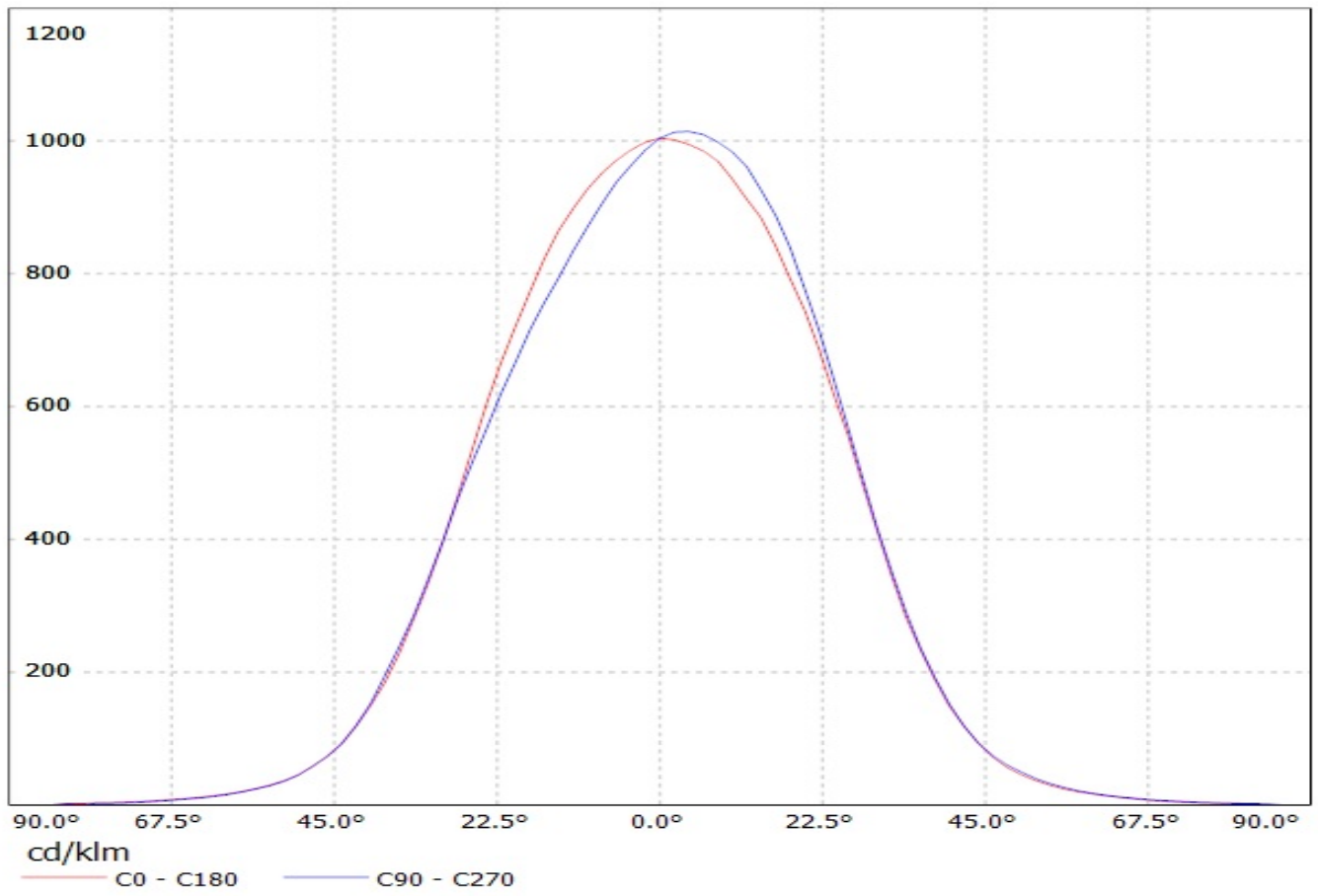
Luminaire: LEDiL Oy LARISA-W\_Rebel\_(CLIP8CLIP16) Eff.88.4%  
Lamps: 1 x Rebel (80.8775lm@250mA)



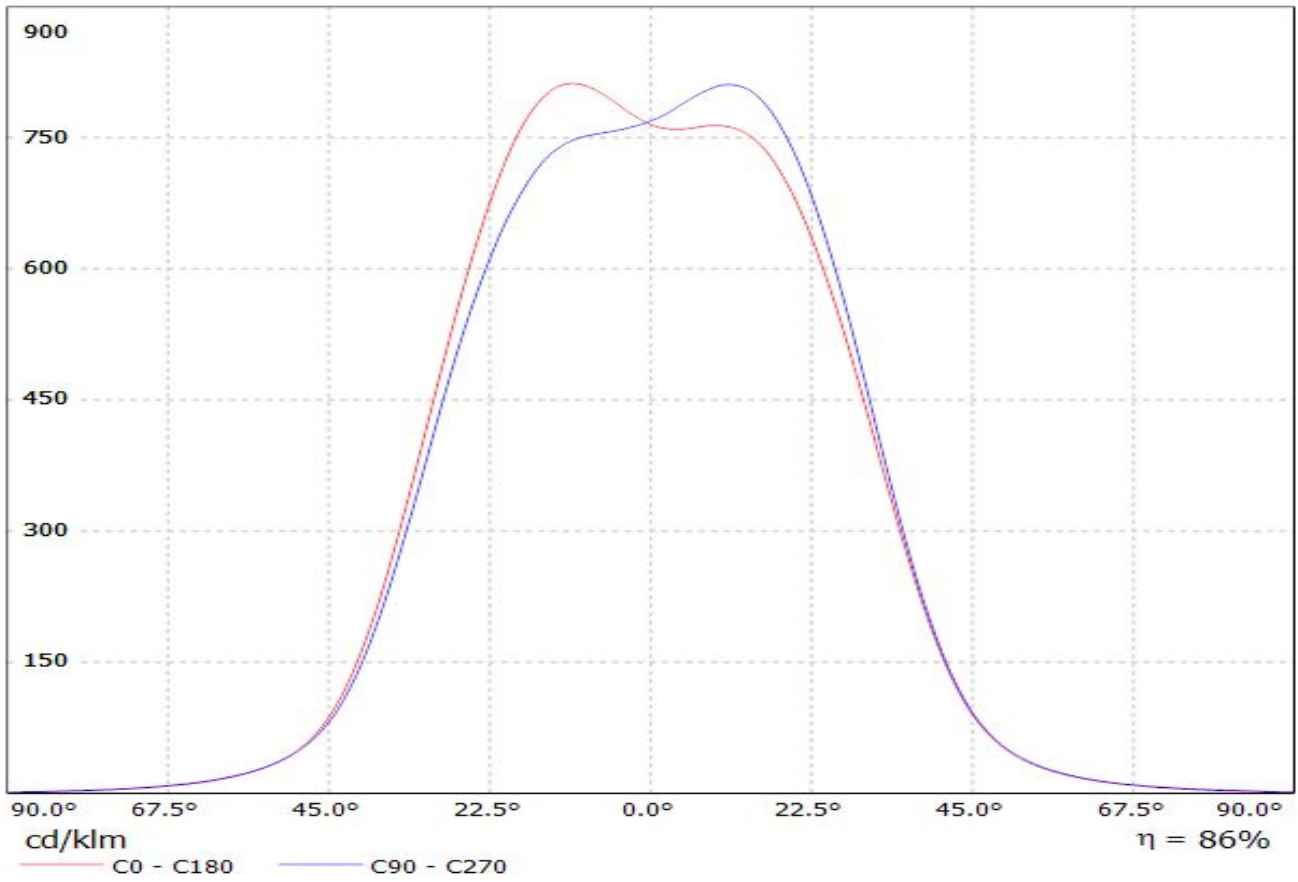
Luminaire: LEDiL Oy LARISA-W\_Rebel-ES\_(CLIP8&CLIP16) Eff.87.5%  
Lamps: 1 x Rebel ES (89.842lm@250mA)



Luminaire: Ledil Oy CP12945\_LARISA-W-CLIP16\_(3535-3W) Efficiency=85%  
Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 96lm@250mA CCT=6500K P=0.7W I=250mA

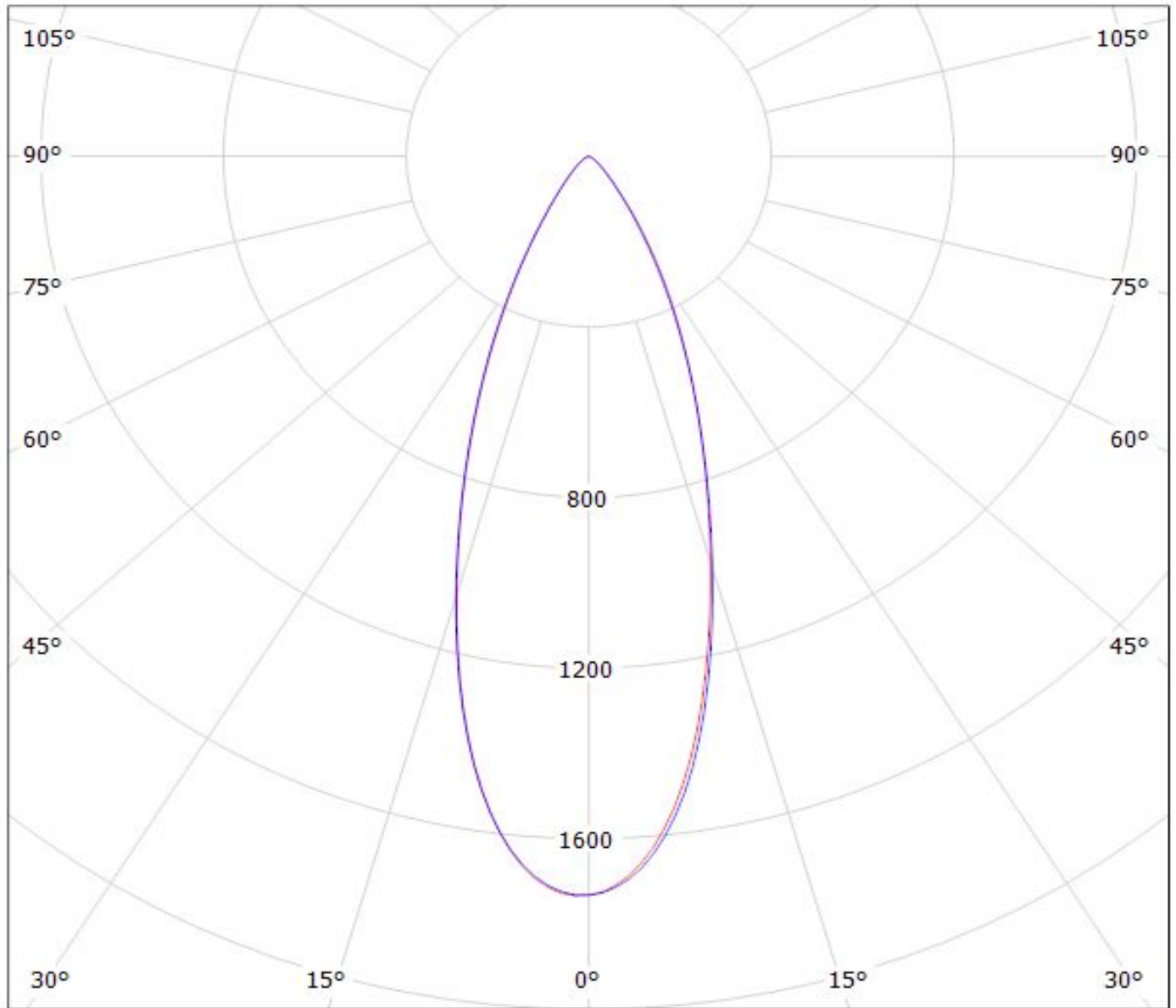


Luminaire: LEDiL Oy LARISA-W\_Luxeon\_A\_(CLIP8&CLIP16)) Eff.86.2%  
Lamps: 1 x Luxeon A (66.8723lm@250mA)



Luminaire: LEDiL Oy CP12945\_LARISA-W-CLIP16\_(Luxeon\_Z\_ES)

Lamps: 1 x Philips\_Lumileds\_Luxeon\_Z\_ES\_(LXZ2-2790)\_51.1518lm@250mA\_P=0.73718W\_I=249.9mA



cd/klm

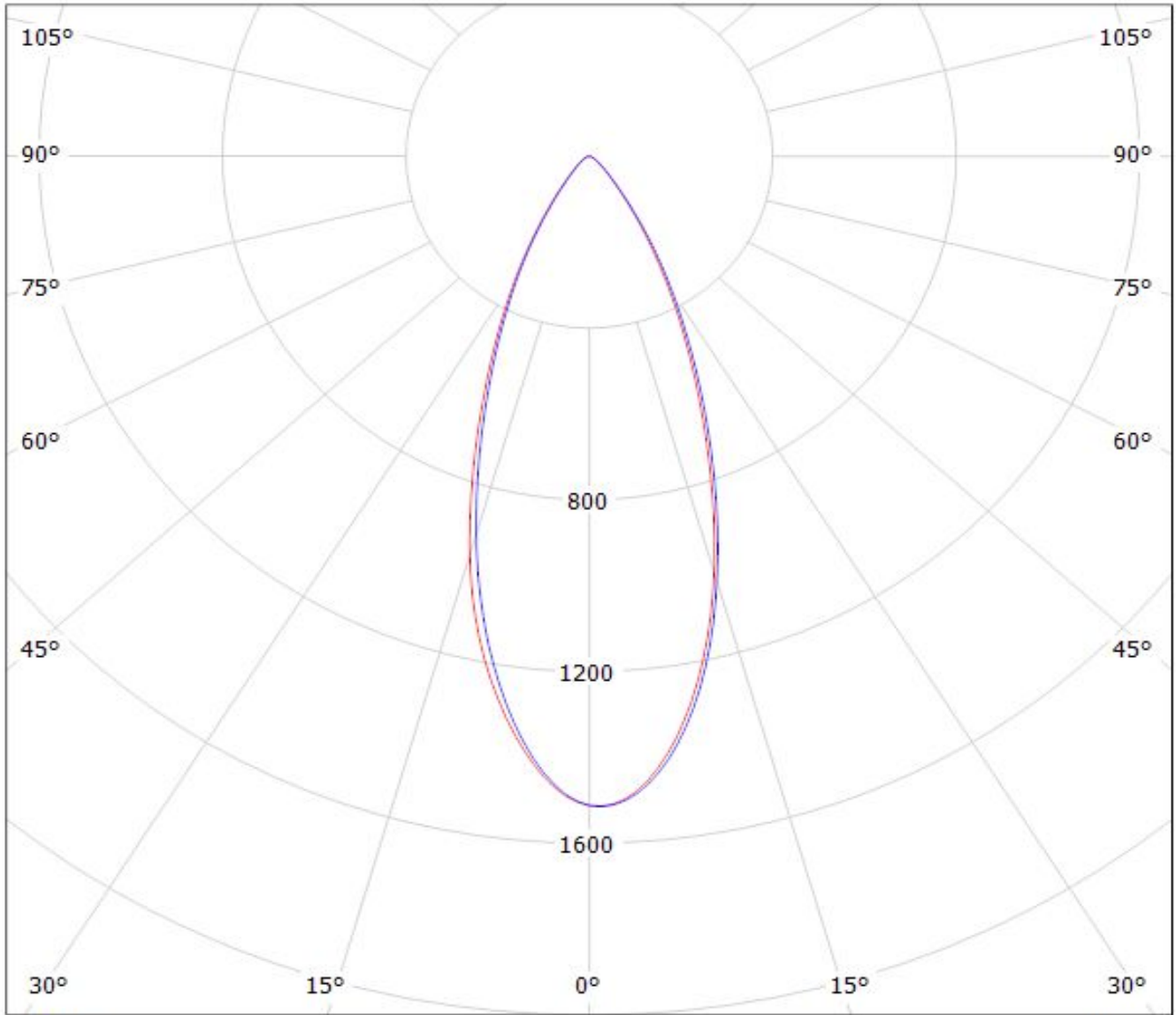
— C0 - C180

— C90 - C270

$\eta = 88\%$



Luminaire: LEDiL Oy LARISA-W\_NCS19\_(CLIP8&CLIP16) Eff.84.7%  
Lamps: 1 x NCS19 (88.2595lm@250mA)

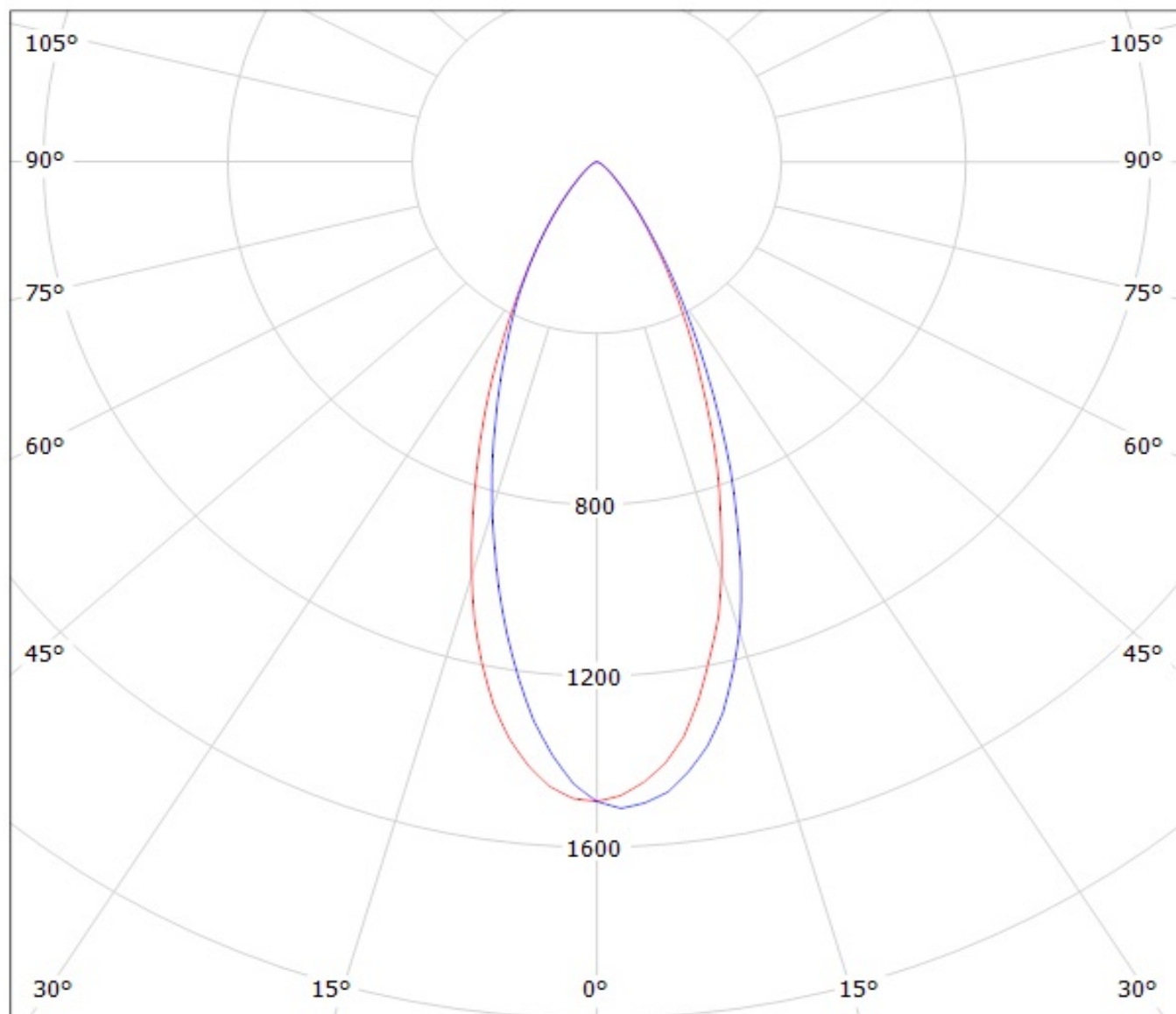


$\eta = 85\%$

cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDil Oy CP12945\_LARISA-W-CLIP16\_(DURIS\_S5) Efficiency=85%  
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA

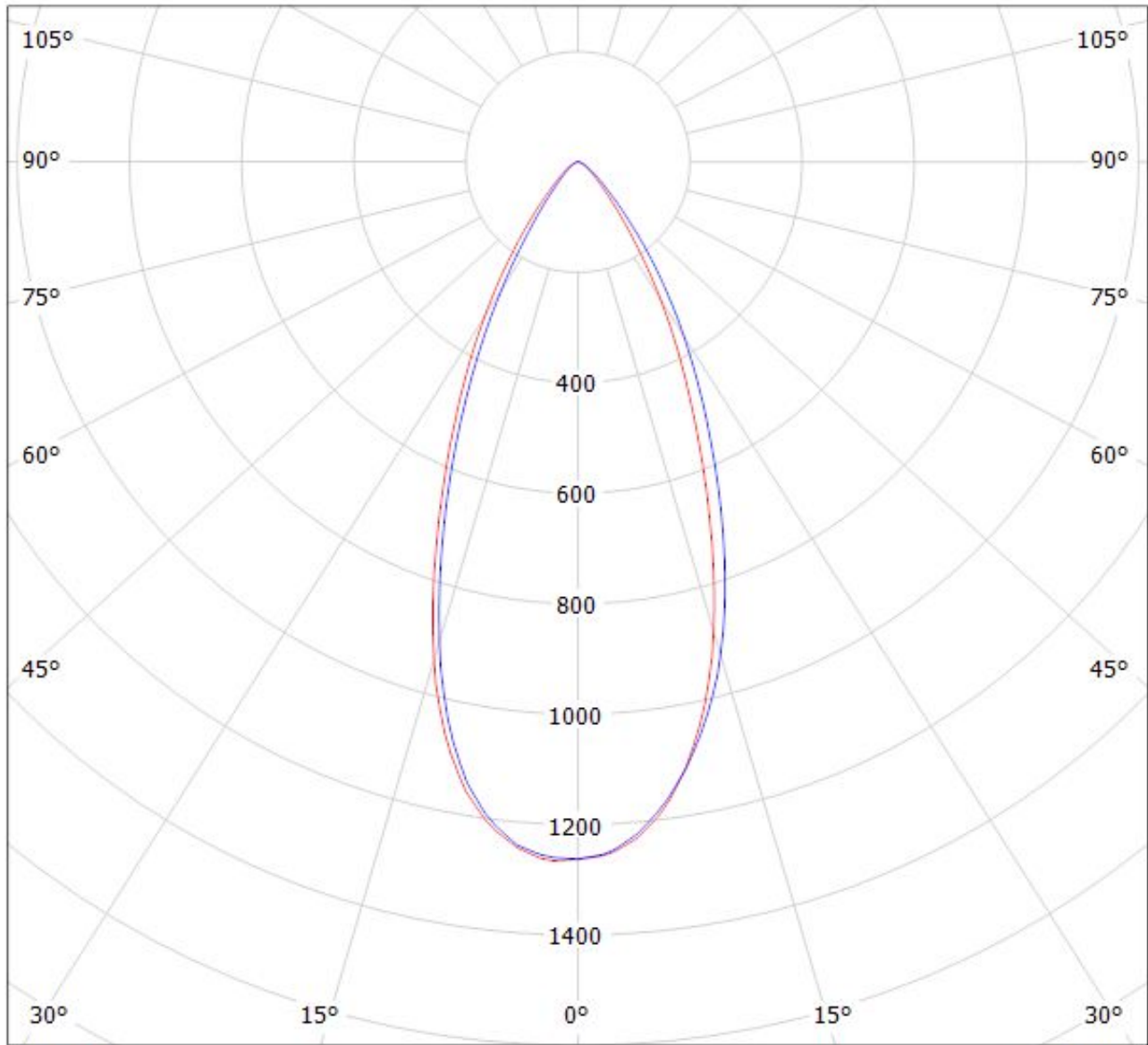


cd/klm

— C0 - C180    — C90 - C270

$\eta = 86\%$

Luminaire: LEDIL OY CP12944&CP12945\_LARISA-W\_(XB-D) Eff.84%  
Lamps: 1 x XB-D (91.55lm@250mA)



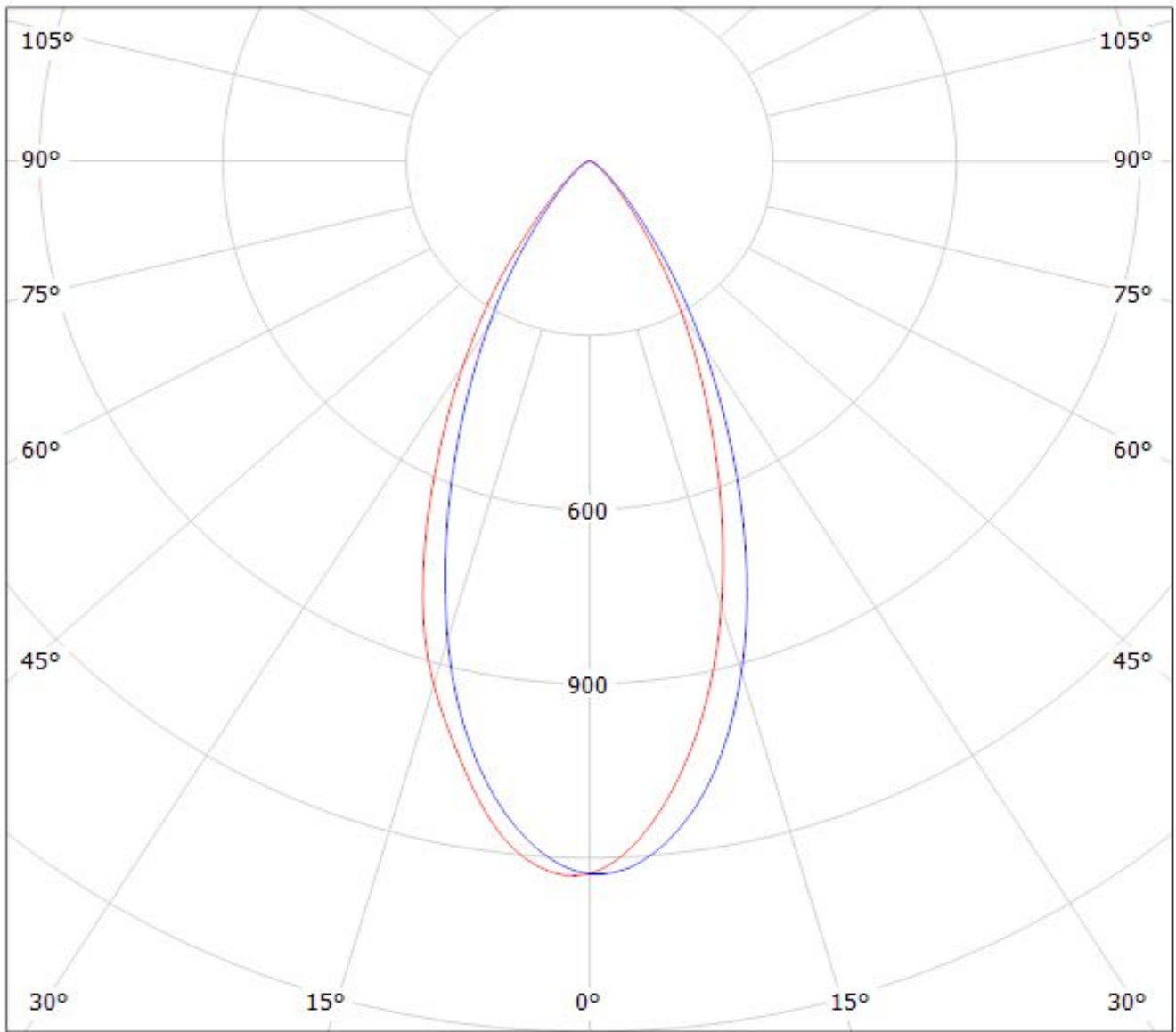
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy LARISA-W\_NV519\_(CLIP8&CLIP16) Eff.84.0%  
Lamps: 1 x NV519 (97.9644lm@250mA)



cd/klm

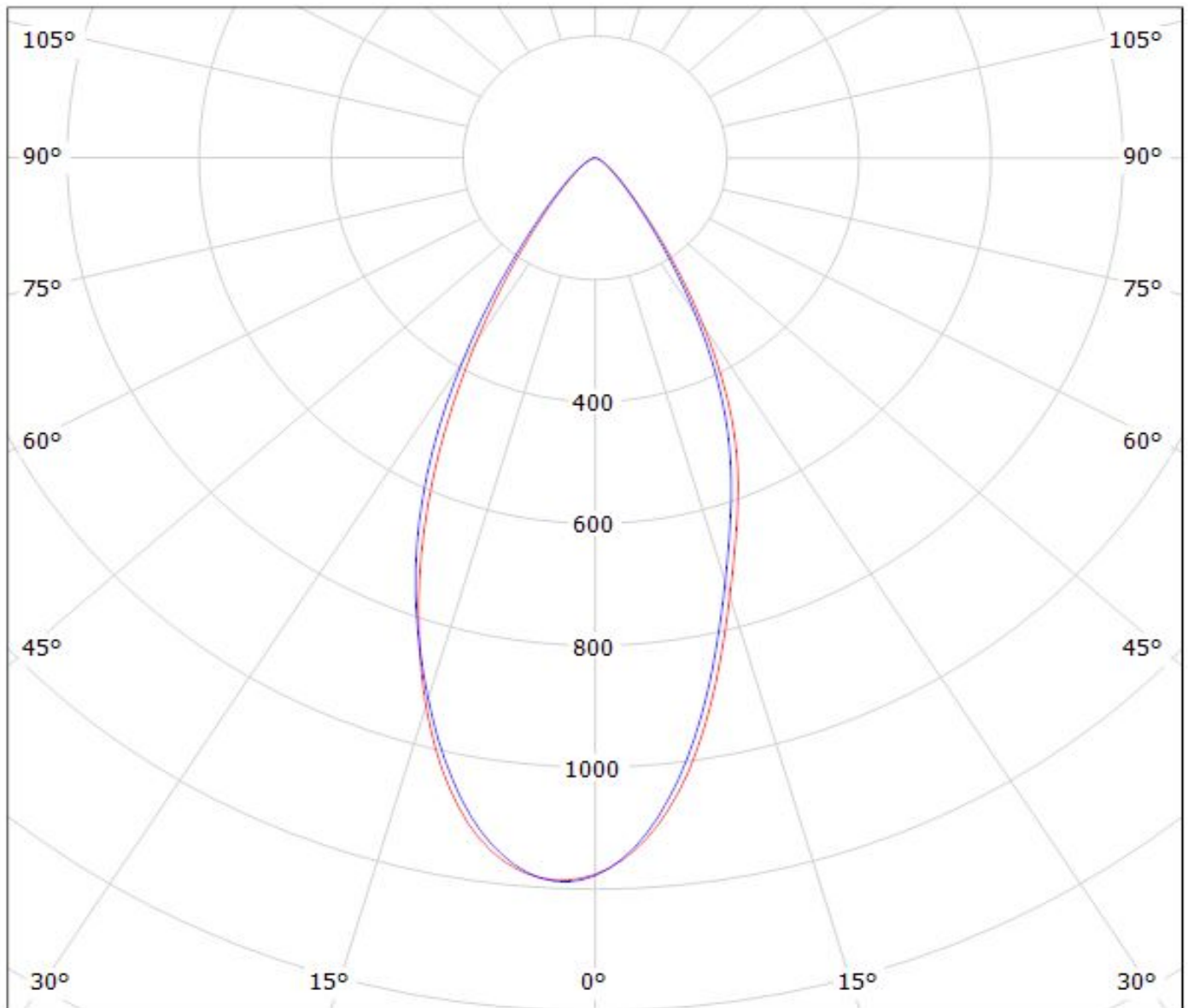
$\eta = 84\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CP12944\_LARISA-W-CLIP8\_(XQ-E)

Lamps: 1 x Cree\_XQ-E\_(XQEAWT-0-7B1-Q40-0H-00001\_81.2847lm@250mA\_P=0.764419W\_I=250mA



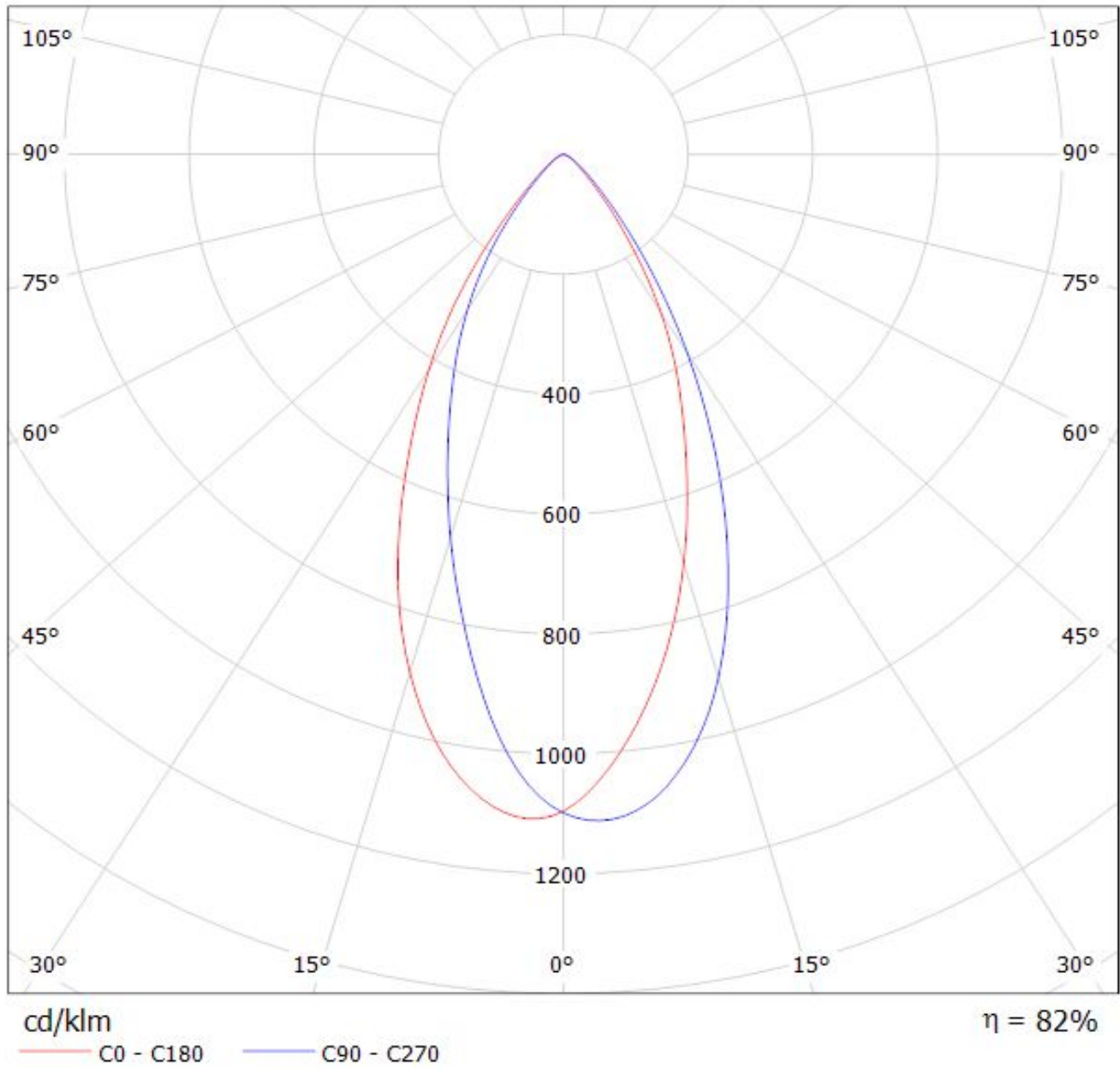
cd/klm

— C0 - C180

— C90 - C270

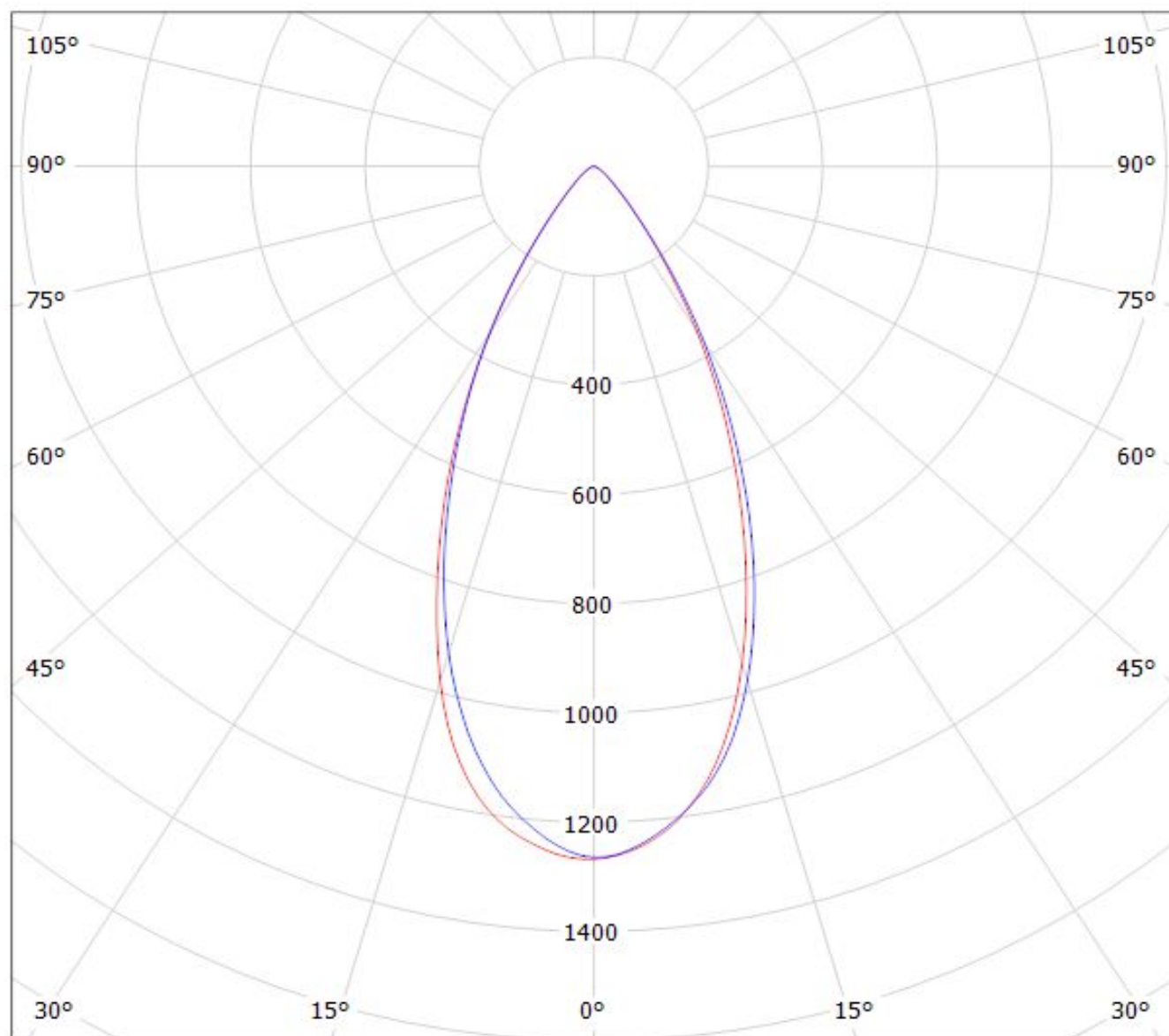
$\eta = 84\%$

Luminaire: LEDiL Oy LARISA-W\_SQ-EC\_(CLIP8&CLIP16) Eff.81.8%  
Lamps: 1 x SQ-EC (64.5379lm@250mA)





Luminaire: LEDiL Oy LARISA-W\_Rebel\_(CLIP8CLIP16) Eff.88.4%  
Lamps: 1 x Rebel (80.8775lm@250mA)

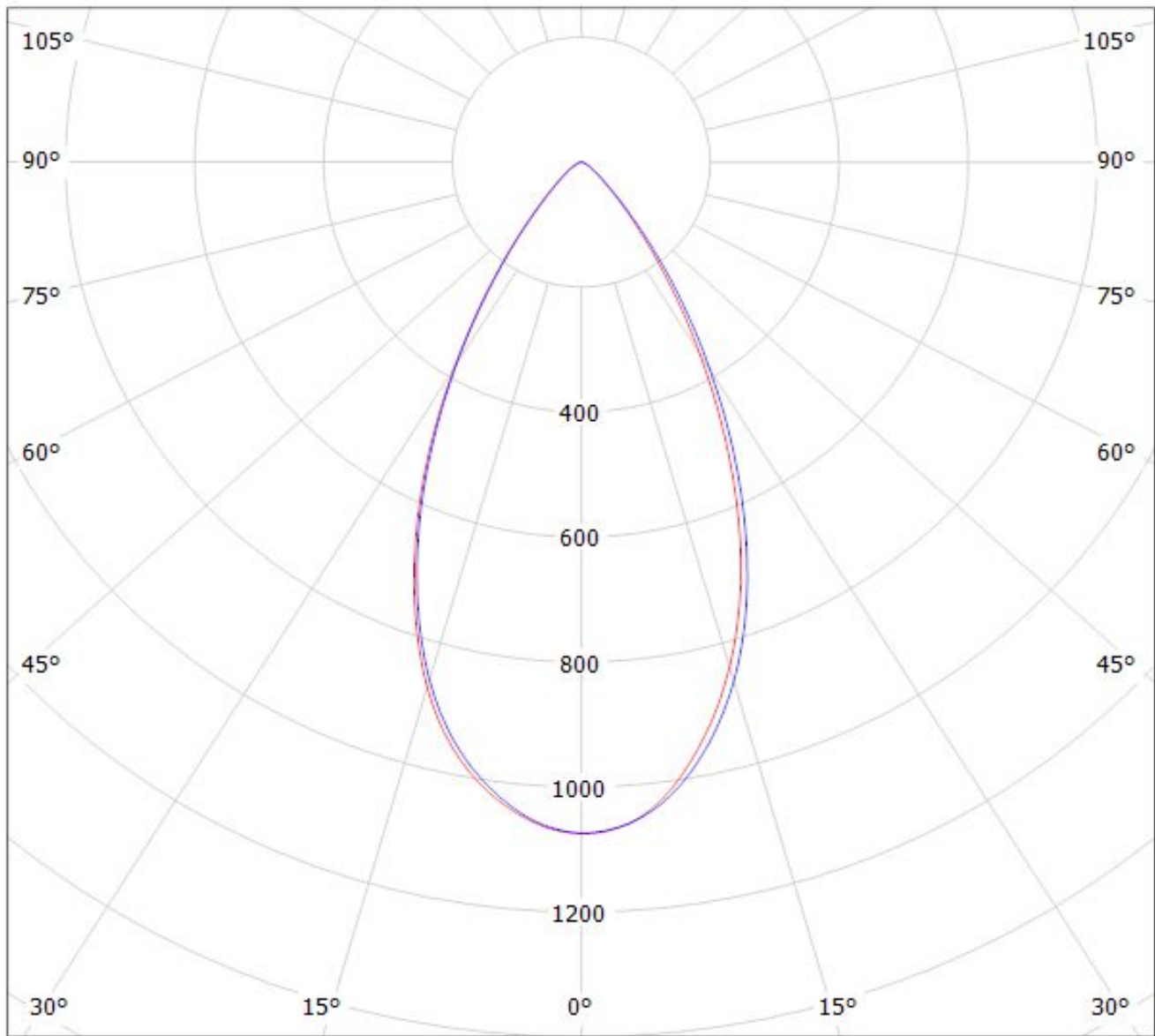


cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy LARISA-W\_Rebel-ES\_(CLIP8&CLIP16) Eff.87.5%  
Lamps: 1 x Rebel ES (89.842lm@250mA)



cd/klm

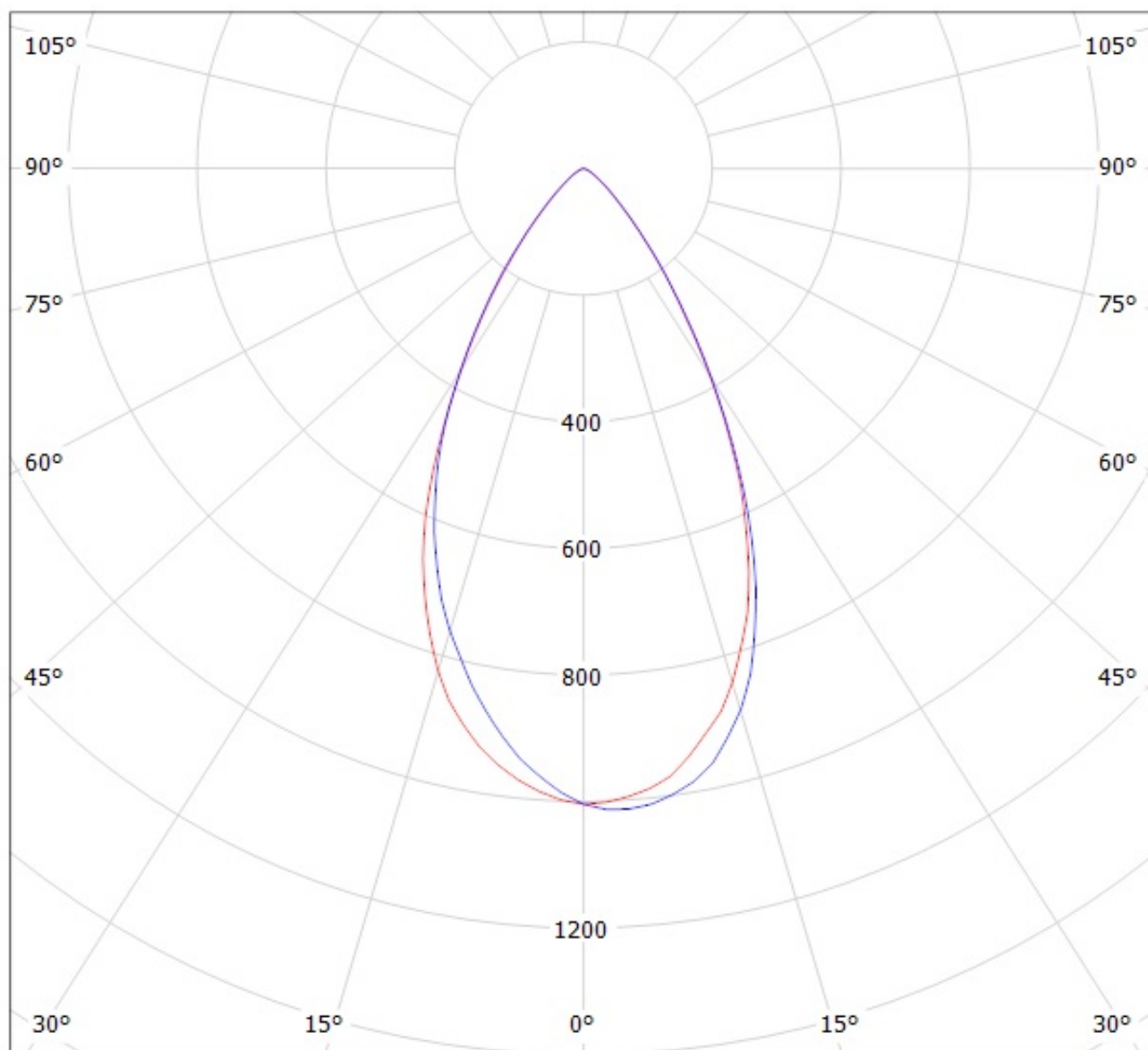
— C0 - C180    — C90 - C270

$\eta = 88\%$



Luminaire: Ledil Oy CP12945\_LARISA-W-CLIP16\_(3535-3W) Efficiency=85%

Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 96lm@250mA CCT=6500K P=0.7W I=250mA

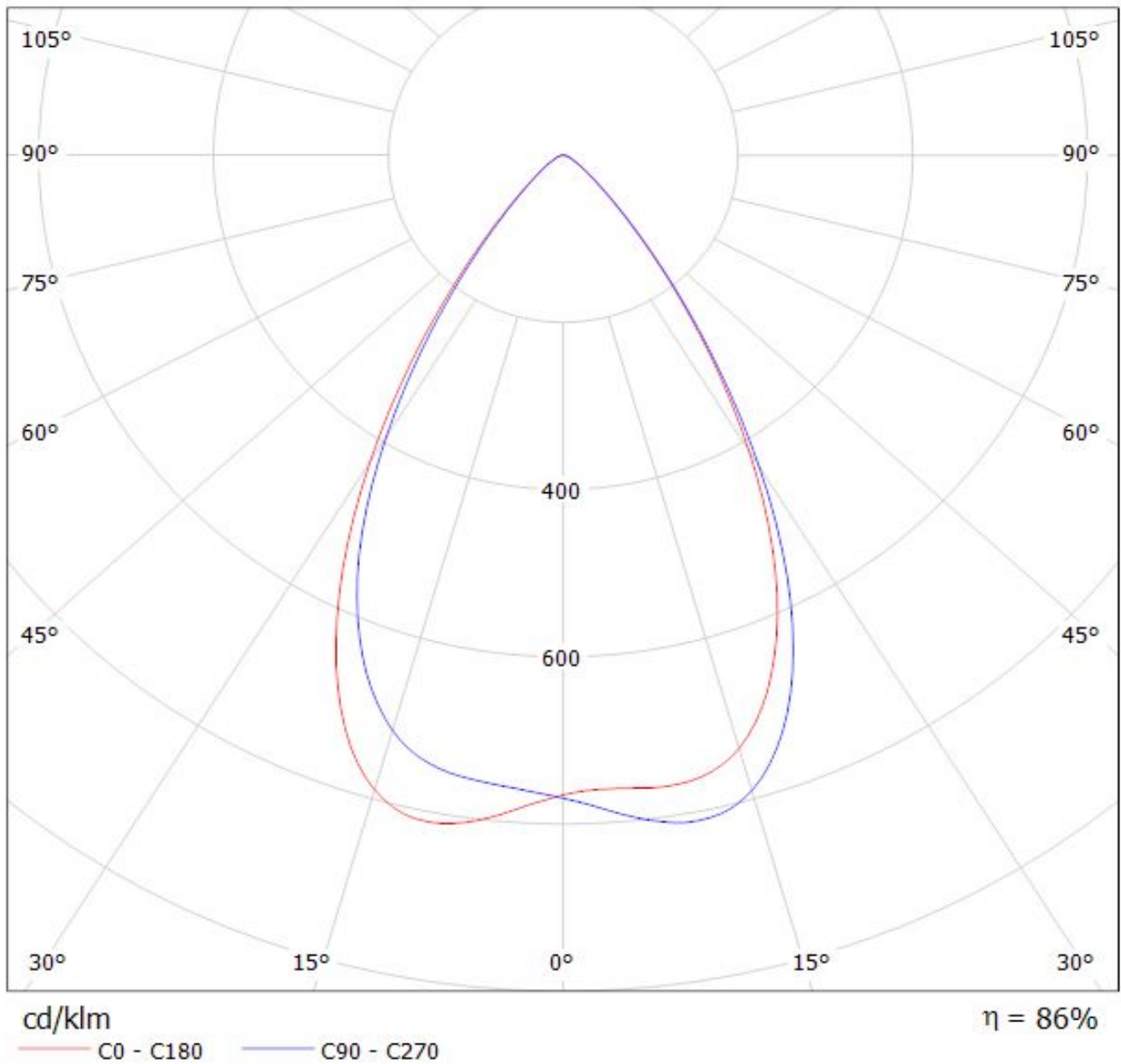


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy LARISA-W\_Luxeon\_A\_(CLIP8&CLIP16)) Eff.86.2%  
Lamps: 1 x Luxeon A (66.8723lm@250mA)



**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.**