

DETAILS

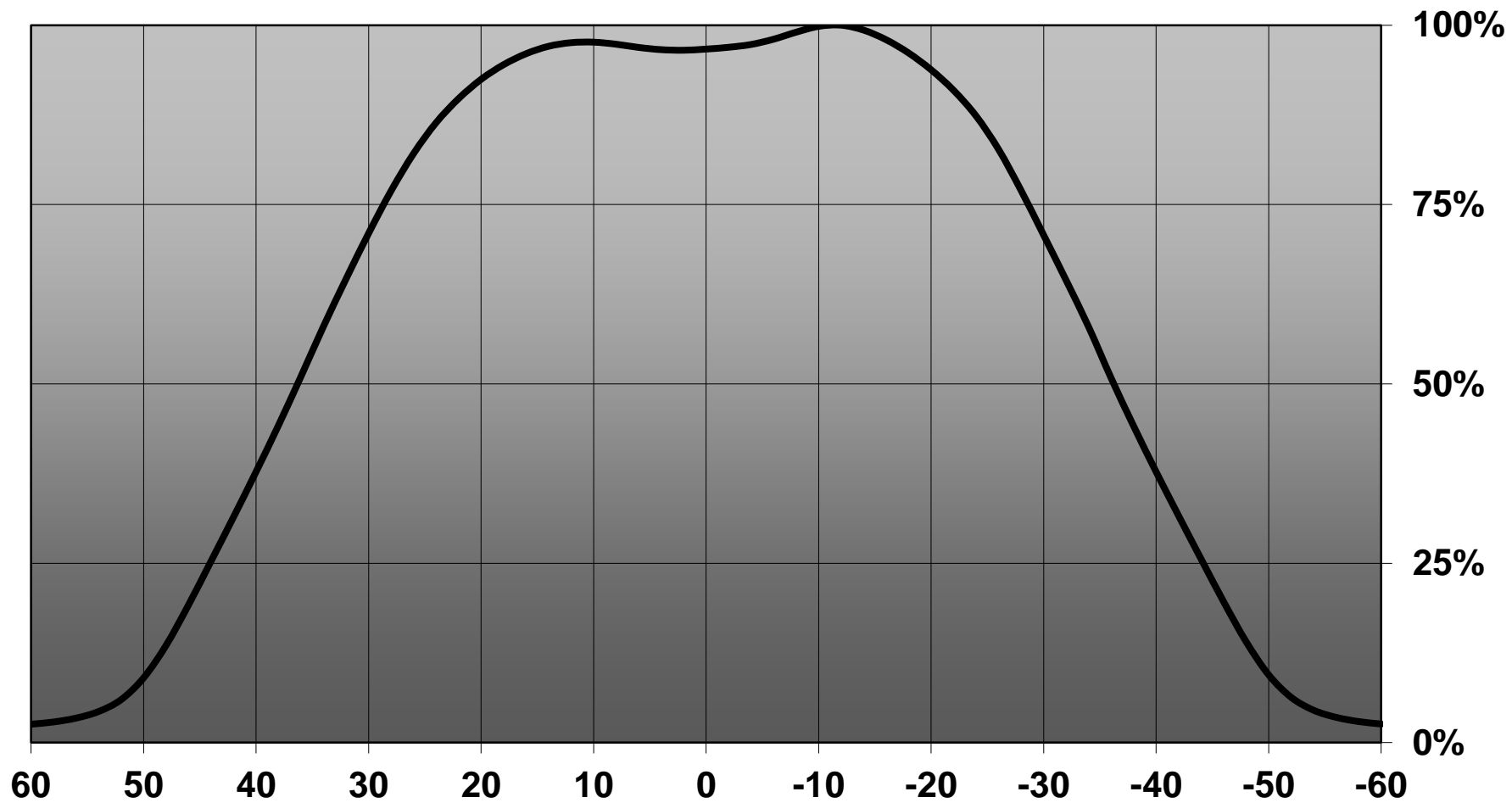
| | |
|------------------------|-------------------|
| Product Number | FN14074_STELLA-HB |
| Family | STELLA |
| Type | Lens |
| Color | black |
| Diameter | 90 mm |
| Height | 19,5 mm |
| Style | round |
| Optic Material | Silicone |
| Holder Material | PA66GF30 |
| Fastening | screw |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 12/05/2016 |



OPTICAL PROPERTIES

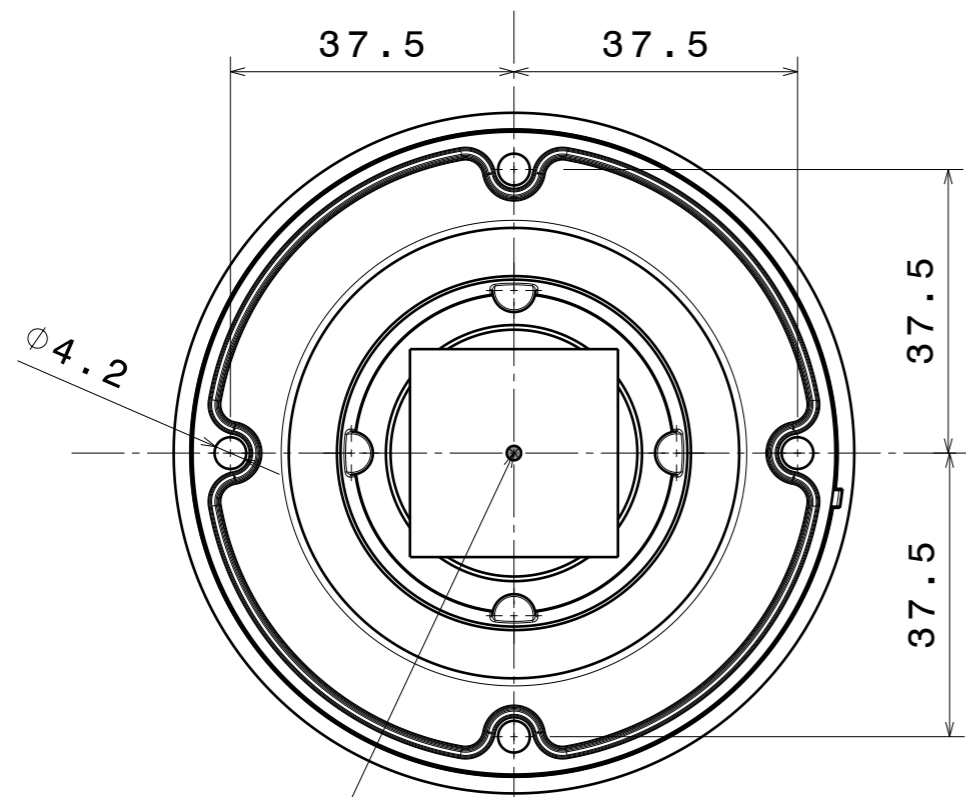
| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|-----------------|---------------|------------|------------|-------|--------------------------|
| VERO18 | 75 deg | HighBay | 93 % | 0.700 | - |
| VERO29 | 69 deg | HighBay | 94 % | 0.708 | - |
| CLL04x/CLU04x | 77 deg | HighBay | 94 % | 0.650 | - |
| CLL05x/CLU05x | 73 deg | HighBay | 93 % | 0.630 | - |
| CLL05x/CLU05x | 65 deg | HighBay | 94 % | 0.740 | Bender Wirth: 458 Typ L4 |
| CLL04x/CLU04x | 68 deg | HighBay | 93 % | 0.770 | Bender Wirth: 431 Typ L3 |
| CXA/B 30xx | 78 deg | HighBay | 93 % | 0.630 | - |
| CXA/B 25xx | 83 deg | HighBay | 93 % | 0.566 | - |
| CXA/B 3590 | 72 deg | HighBay | 93 % | 0.682 | - |
| LUXEON CoB 1211 | 71 deg | HighBay | 93 % | 0.730 | - |
| LUXEON CoB 1216 | 72 deg | HighBay | 94 % | 0.720 | - |
| CXM-18 | 80 deg | HighBay | 93 % | 0.600 | - |
| CXM-22 | 73 deg | HighBay | 93 % | 0.700 | - |
| Solieriq S19 | 84 deg | HighBay | 92 % | 0.570 | - |

Relative intensity of FN14074_STELLA-HB_(CXM-22)



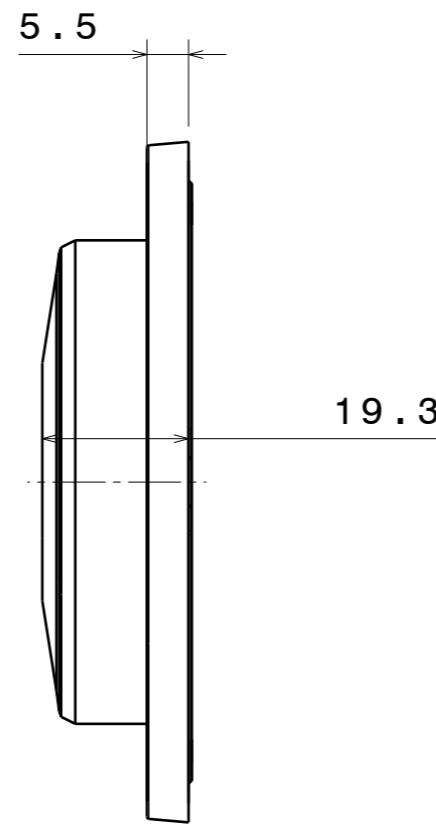
— 1: 0-180

NOTE: Maximum recommended tightening torque for STELLA-FRAME is 0,4Nm

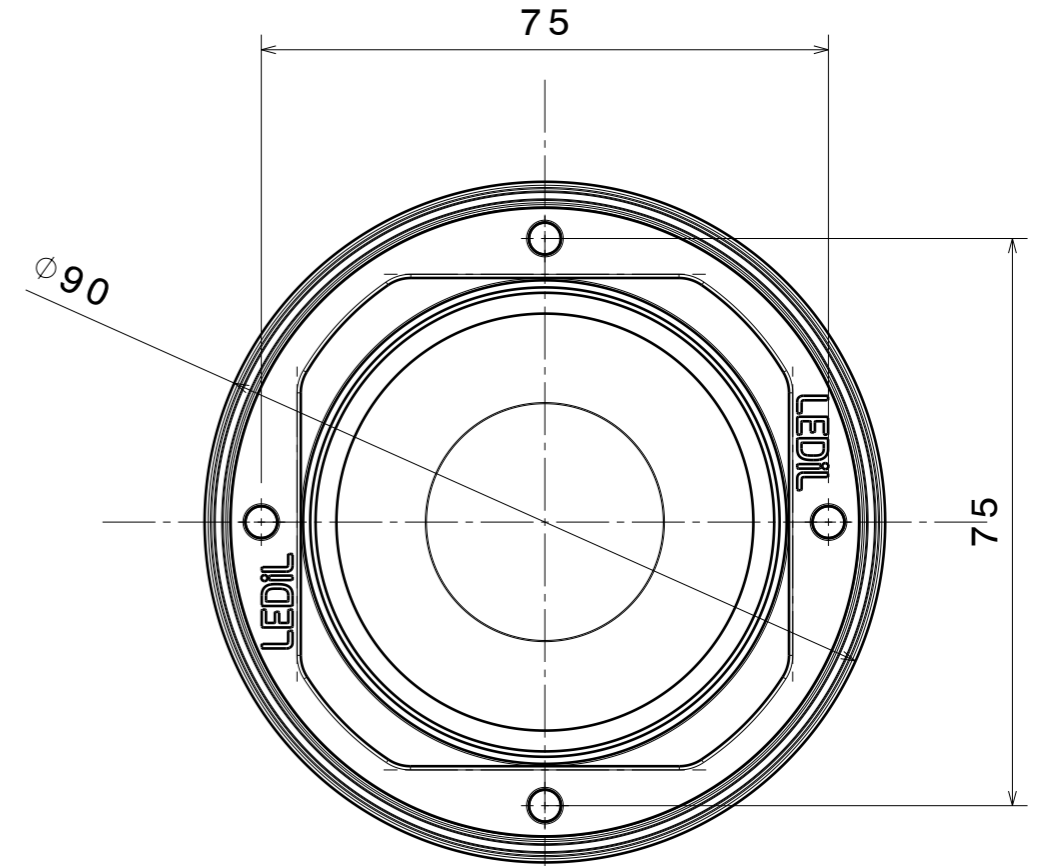


LED Center position

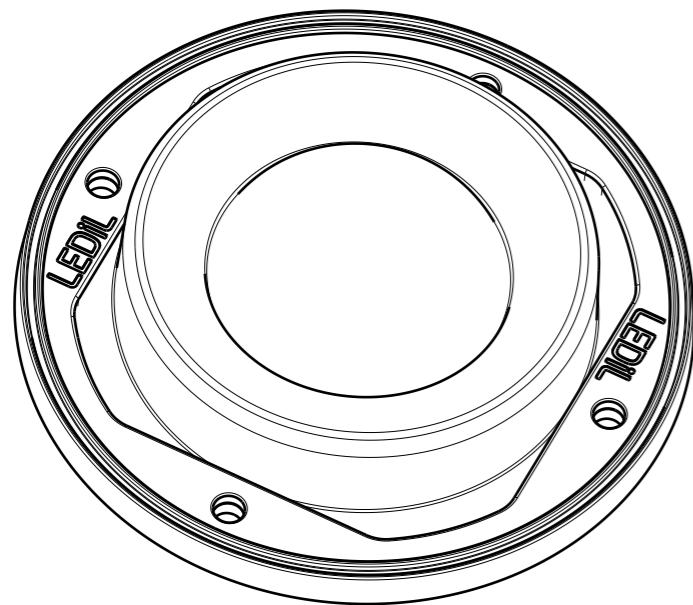
Bottom view



Right view



Front view



Isometric view

Lens Material: Optical grade LSR
Frame material: PA, black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: class V
Please note that due to the elasticity of products made of silicone actual measured values may vary, and therefore typical tolerance values may not be applied.



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

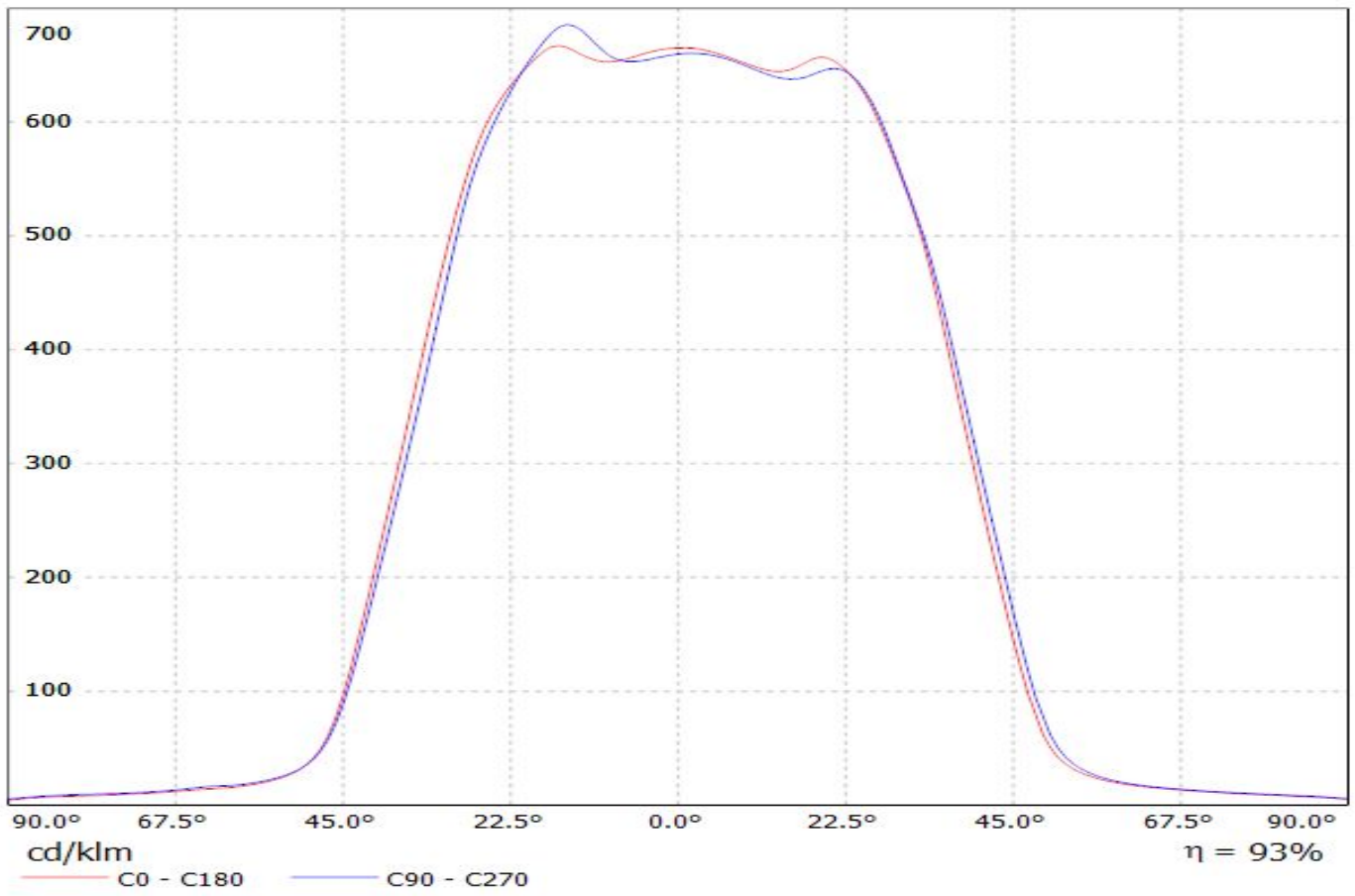
THIRD ANGLE PROJECTION:

DRAWING TITLE
STELLA-HB datasheet

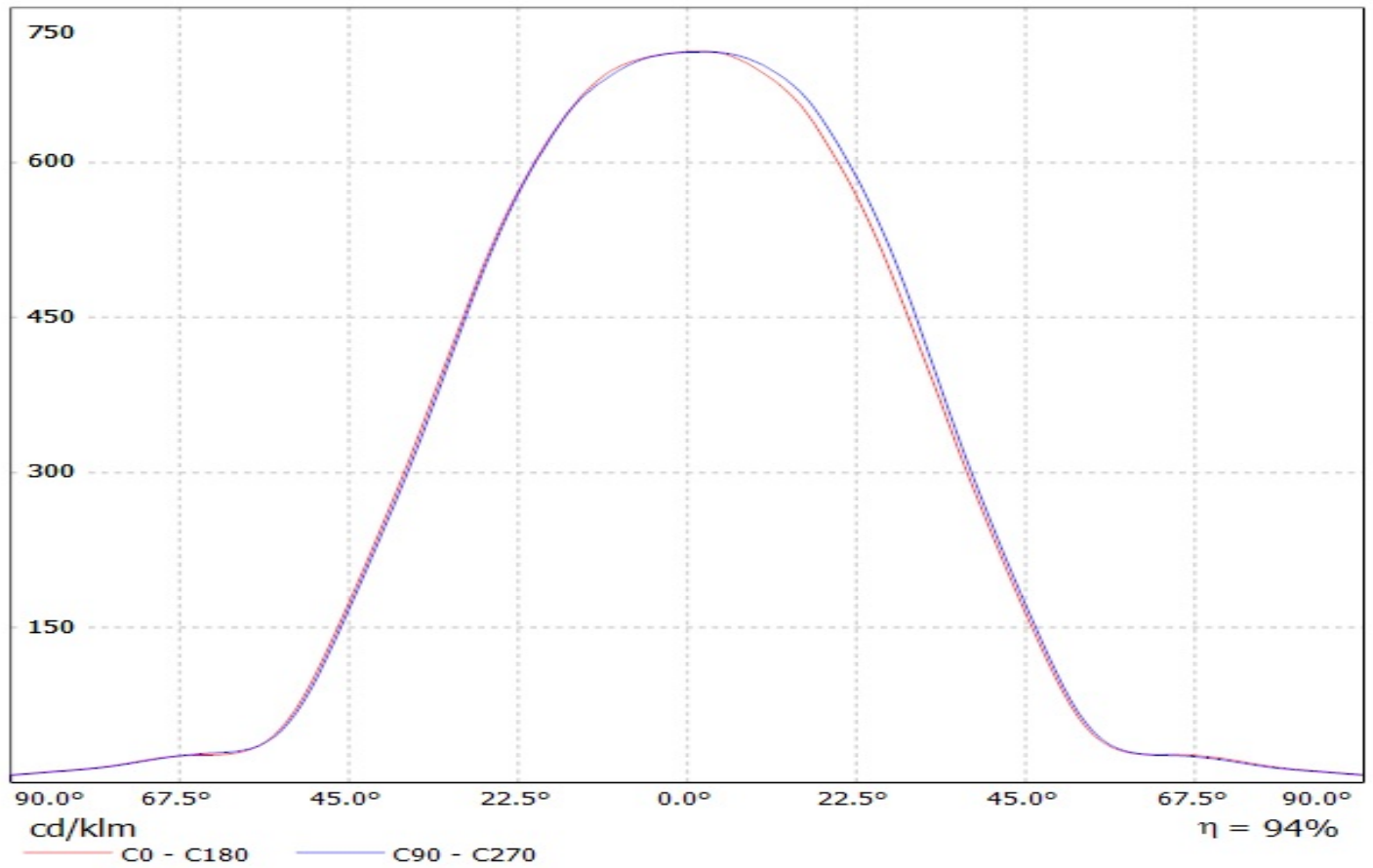
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

| | | | |
|-------|-------------|------------|-----------|
| SIZE | PART NUMBER | | |
| A3 | FN14074 | | |
| SCALE | 1:1 | WEIGHT (g) | SHEET 1/1 |

Luminaire: LEDiL Oy FN14074_STELLA-HB_(VERO18) Eff.93%
Lamps: 1 x VERO18_(BXRC30E4000F)_904.503lm@250mA P=6.79928W I=249.9mA

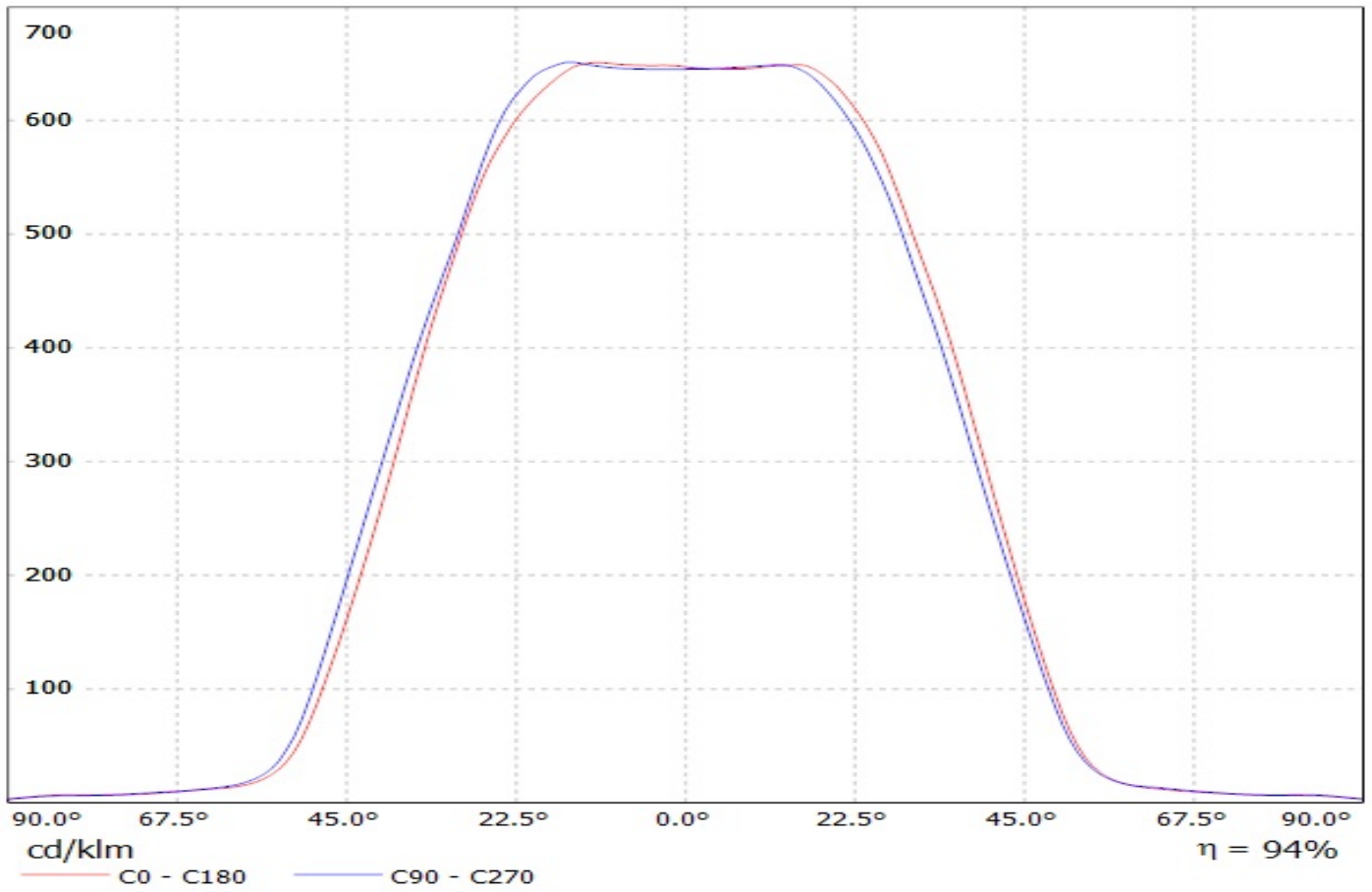


Luminaire: LEDiL Oy FN14074_STELLA-HB_(VERO29)
Lamps: 1 x Bridgelux_VERO29_(BXRC-50C10K0-L-04)
_568.615lm@100mA_CCT=4910K_P=3.4015W_I=100.1mA



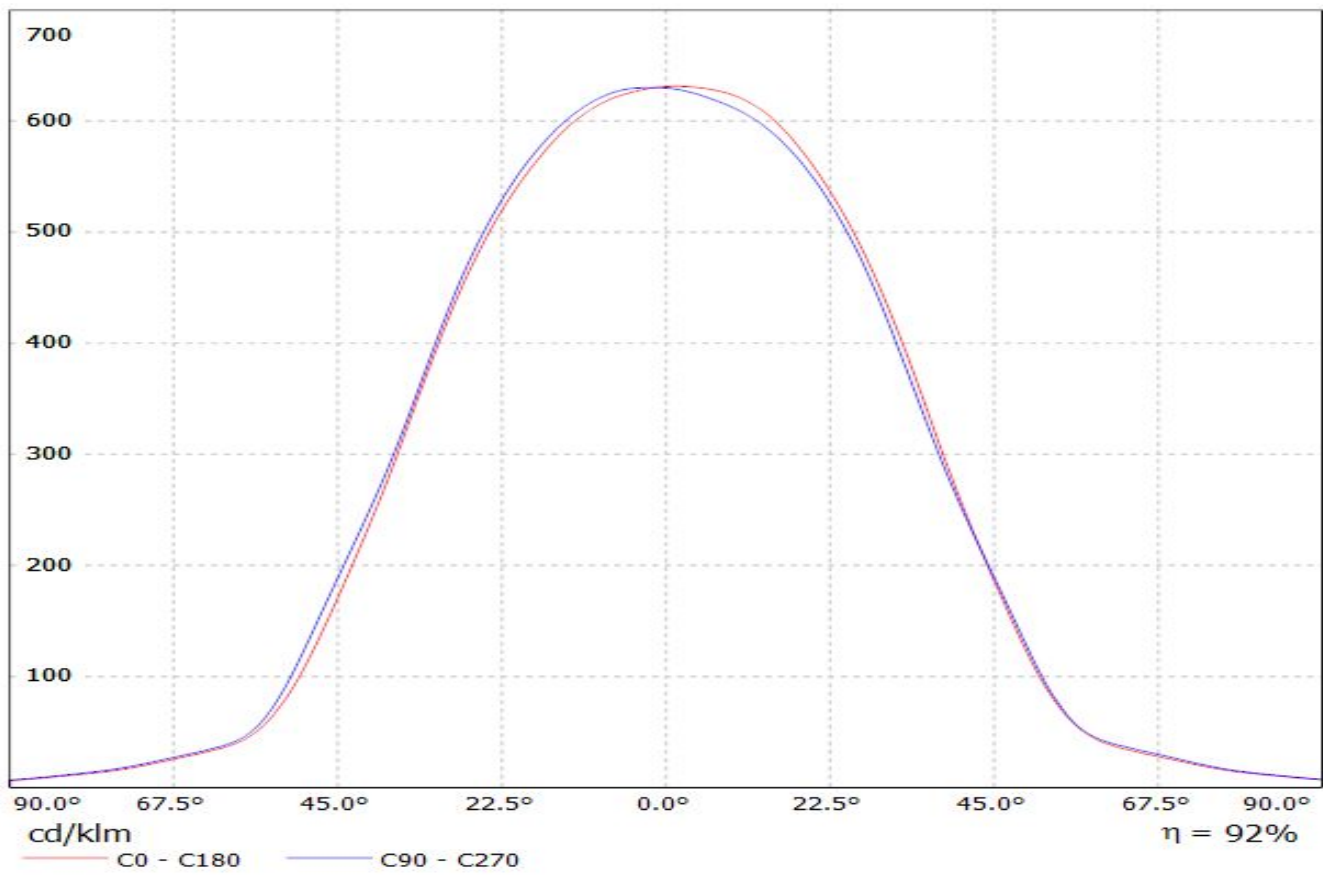
Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLU046)

Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



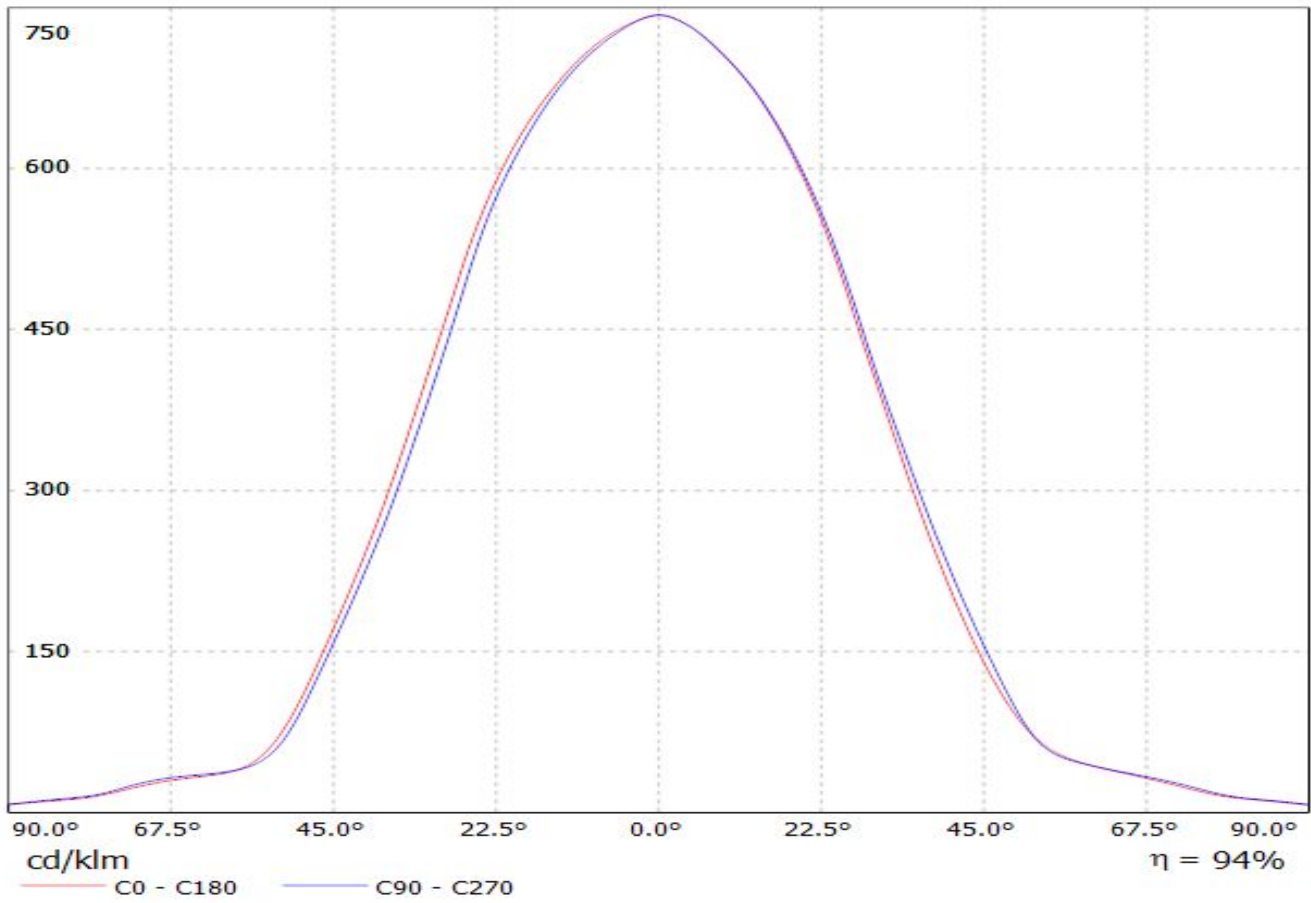
Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLL050) Eff.92.5%

Lamps: 1 x CITIZEN_CLL050_(1825A1-50KL1A1)_1941.5lm@250mA_CCT=5000K_P=11.9872W_I=249.8mA



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLL050)

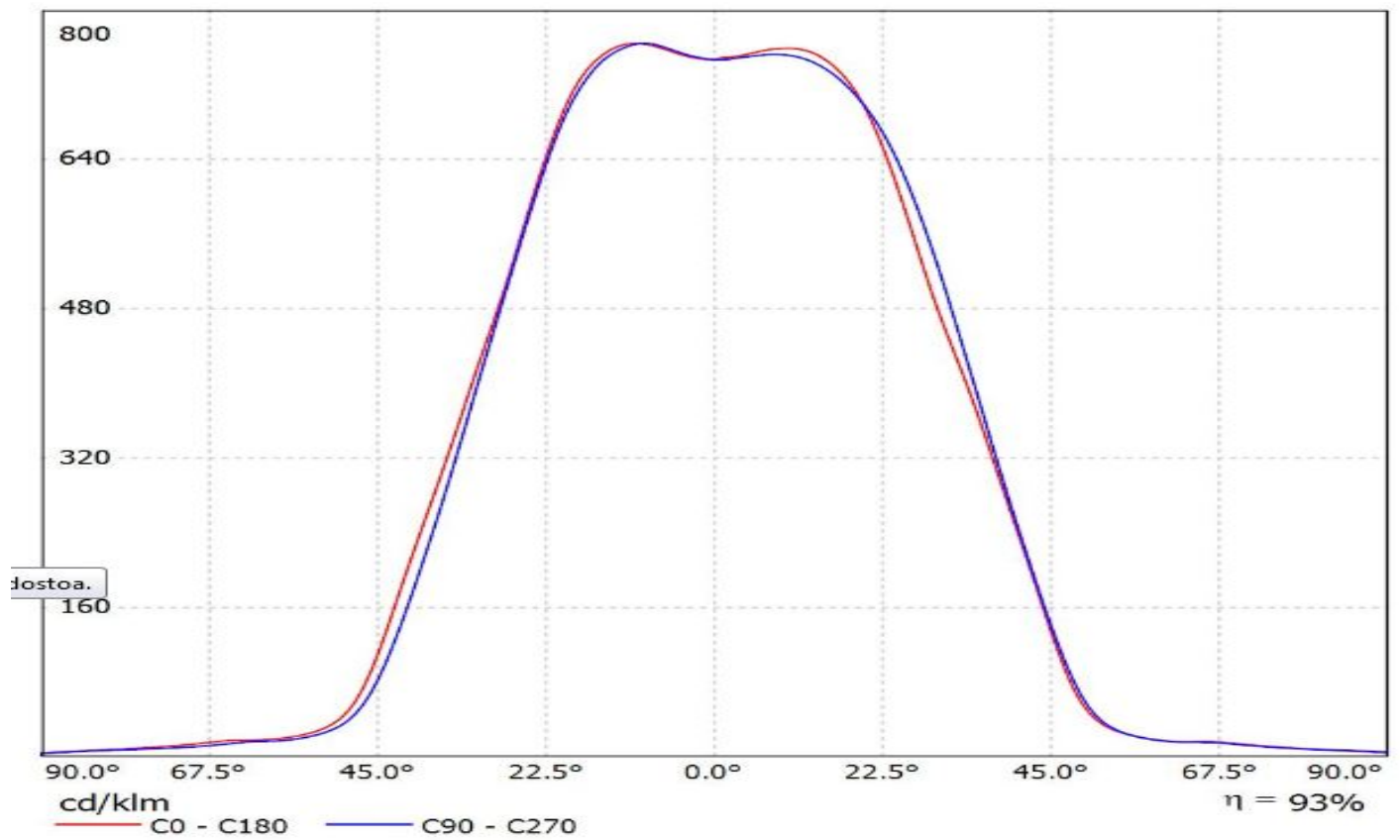
Lamps: 1 x CLL050+_B+W_458_Typ_L4_1471.17lm@250mA_P=12.0411W_I=250mA



Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3) / LDC (Linear)

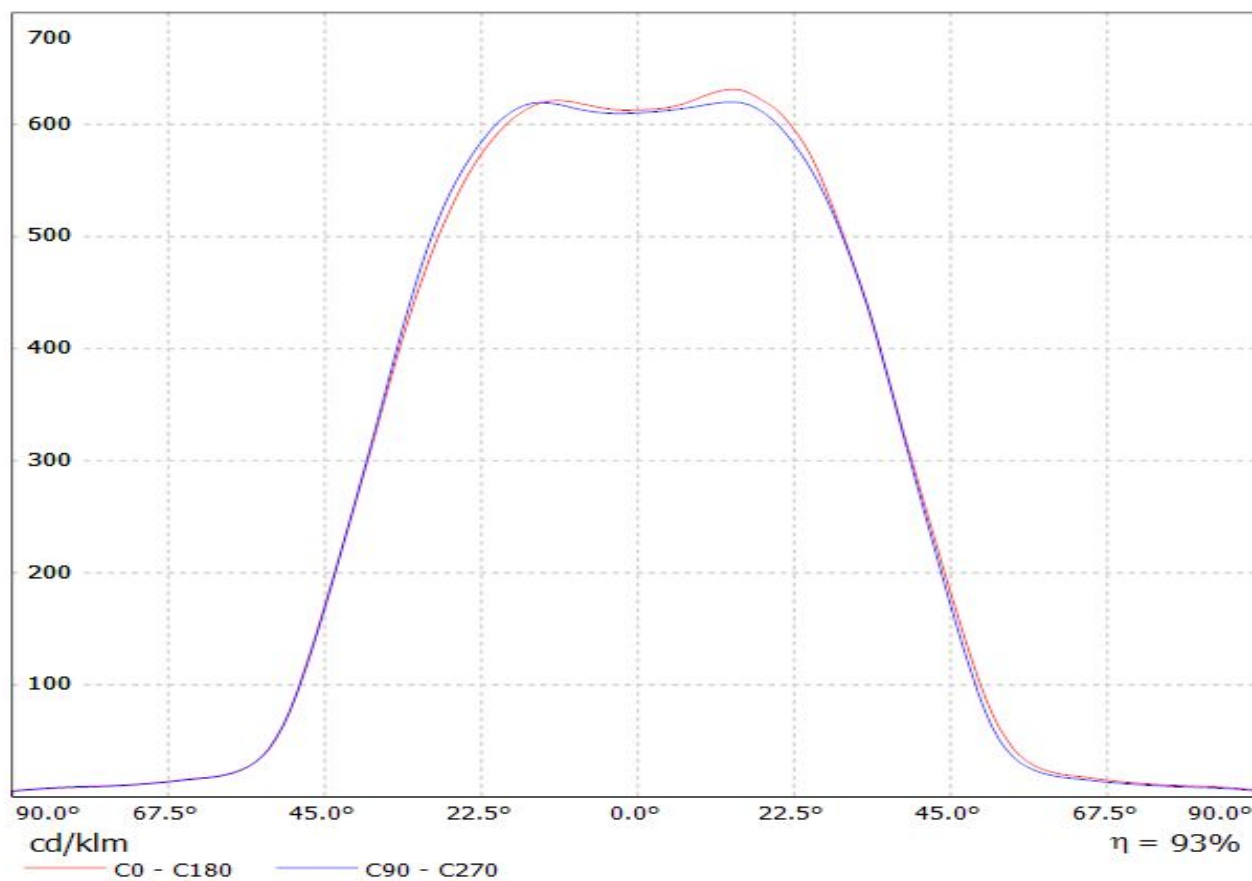
Luminaire: Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1334.99lm@250mA_P=8.16W_I=0.25A

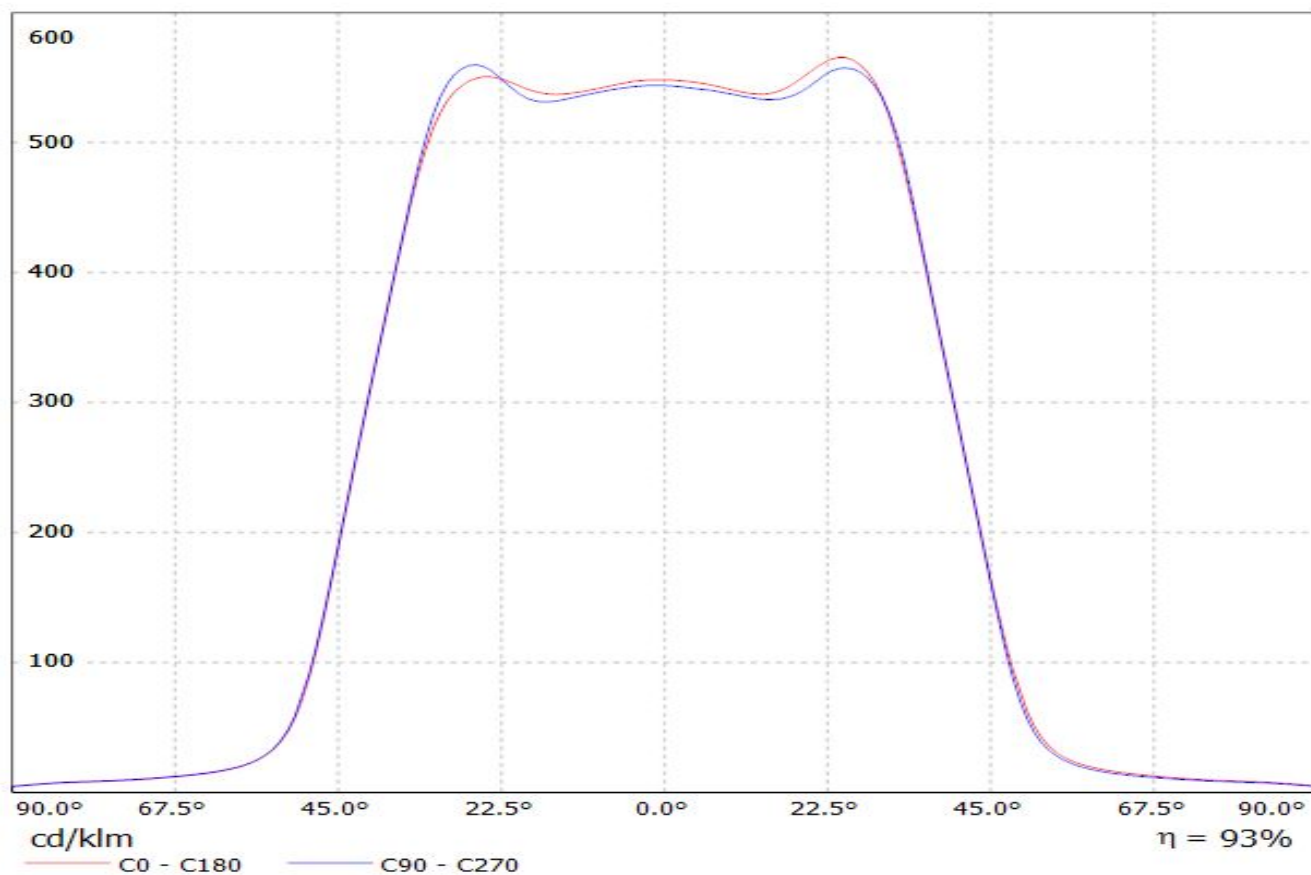


Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA3050)

Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1369.14lm@250mA_CCT=5000K_P=8.14498W_I=249.8mA

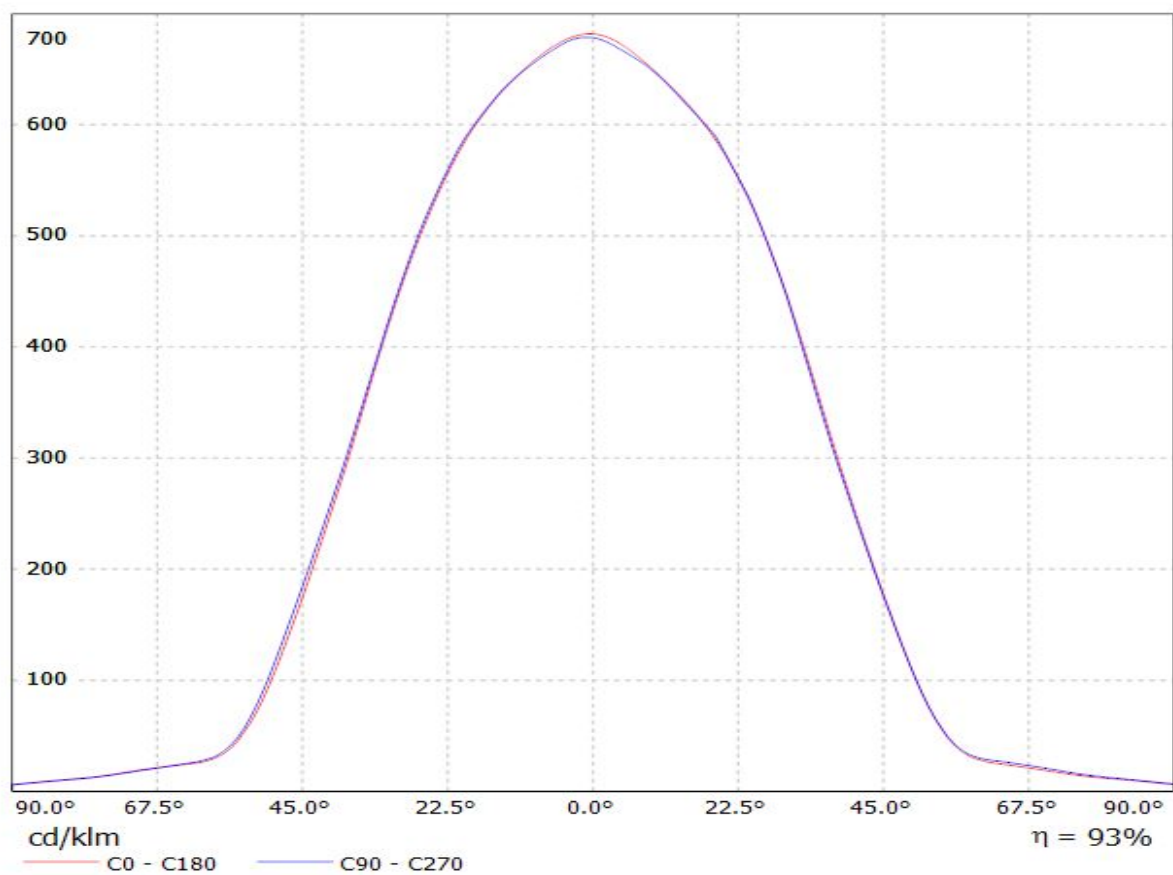


Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA25)
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U)_872.554lm@250mA_CCT=3000K_P=8.53567W_I=249.8mA



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA3590)

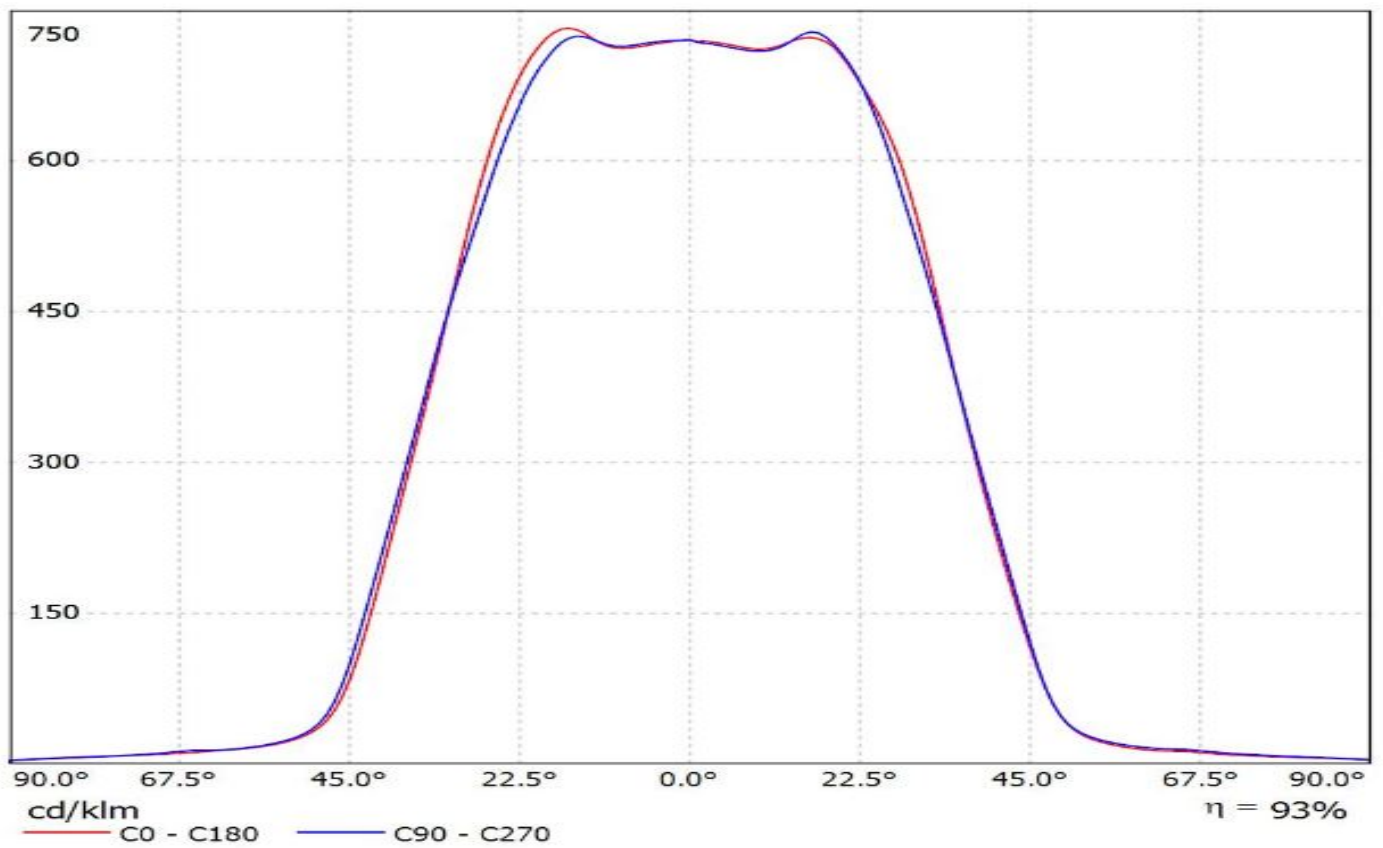
Lamps: 1 x Cree_CXA3590_(CXA3590-30F-BD-R0H-0002)_2639.65lm@250mA_CCT=3000K_P=16.3039W_I=249.8mA



Ledil FN14074_STELLA-HB_(CoB_1211)_(431_Typ_L3) / LDC (Linear)

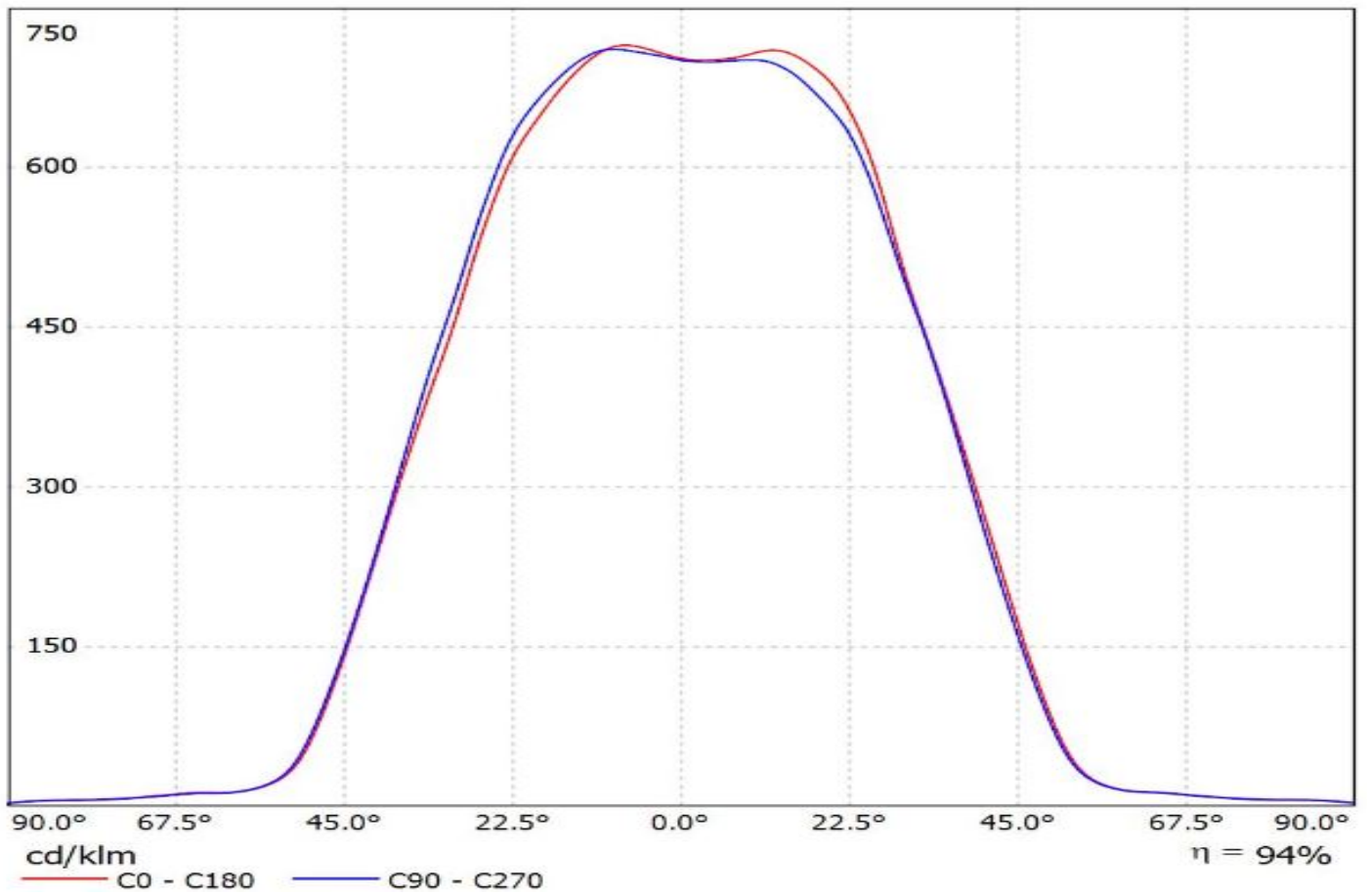
Luminaire: Ledil FN14074_STELLA-HB_(CoB_1211)_(431_Typ_L3)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-2790-1211)_952.748lm@250mA_P=8W_I=0.25A

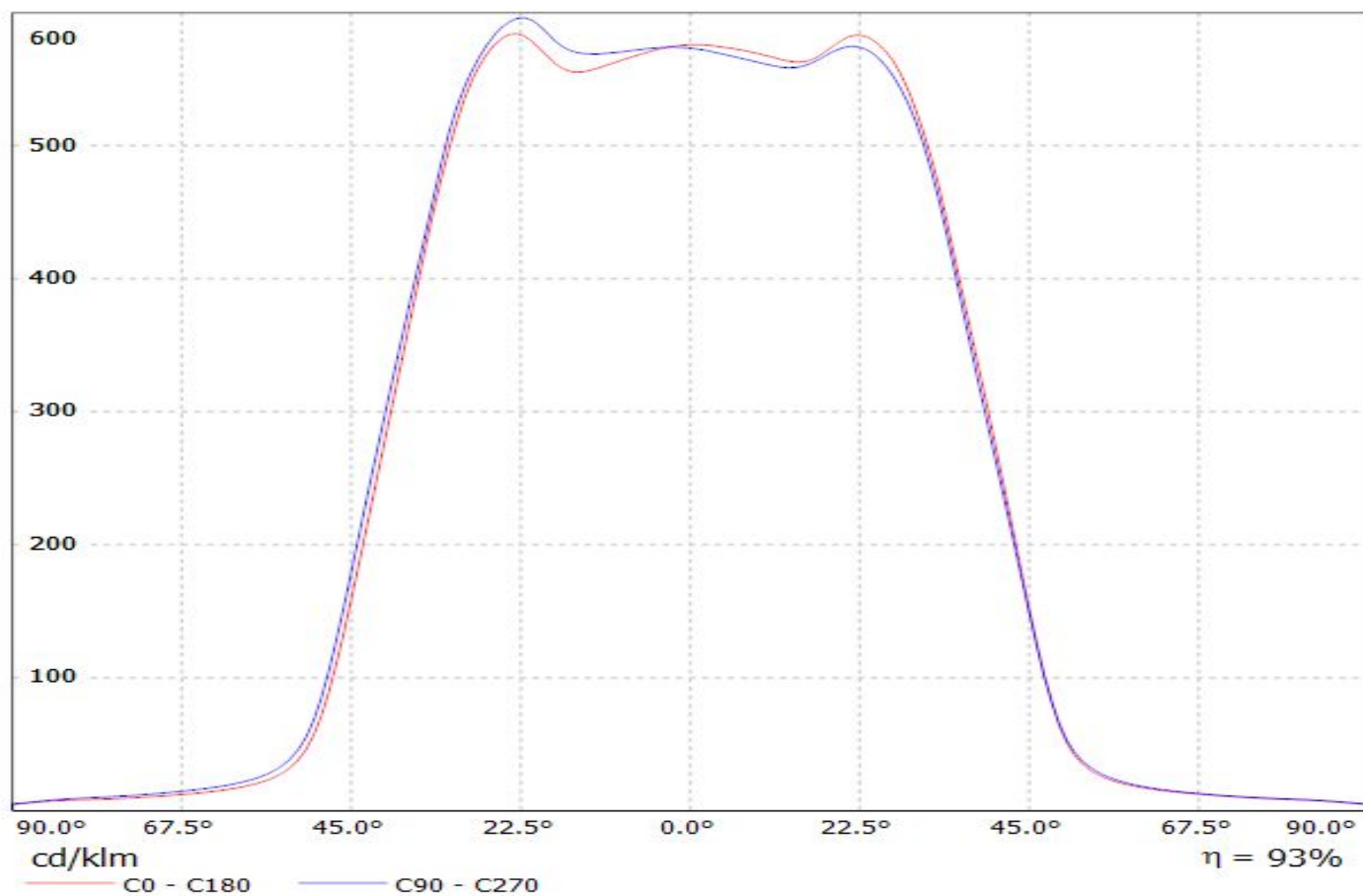


Luminaire: Ledil FN14074_STELLA-HB_(CoB_1216)

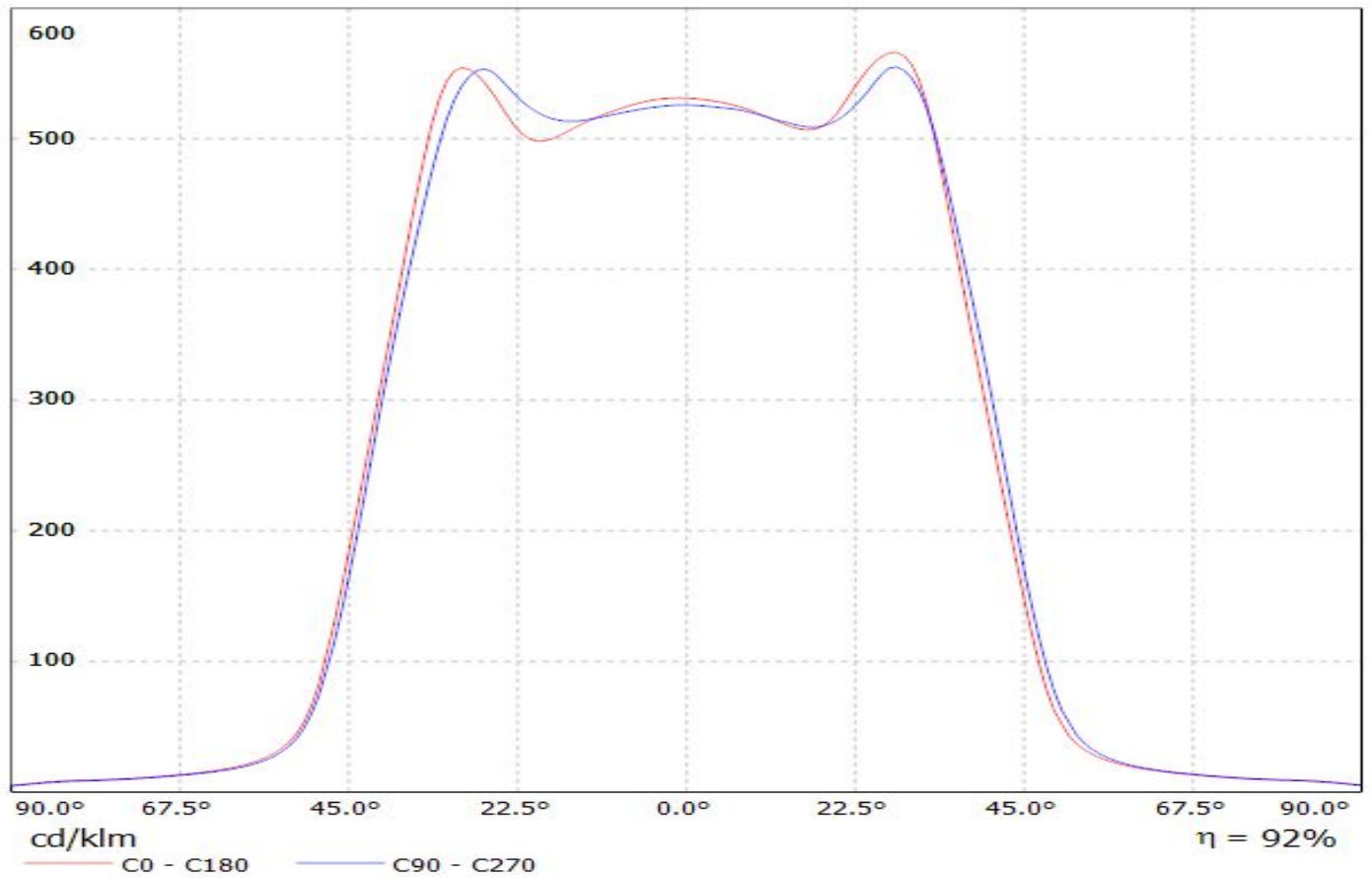
Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1468.12lm@250mA_P=7.9868W_I=0.25A



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXM-18) Eff.92.8%
Lamps: 1 x LUMINUS_XNOVA_CXM-18_897.842lm@250mA_P=8.12425W_I=249.9mA

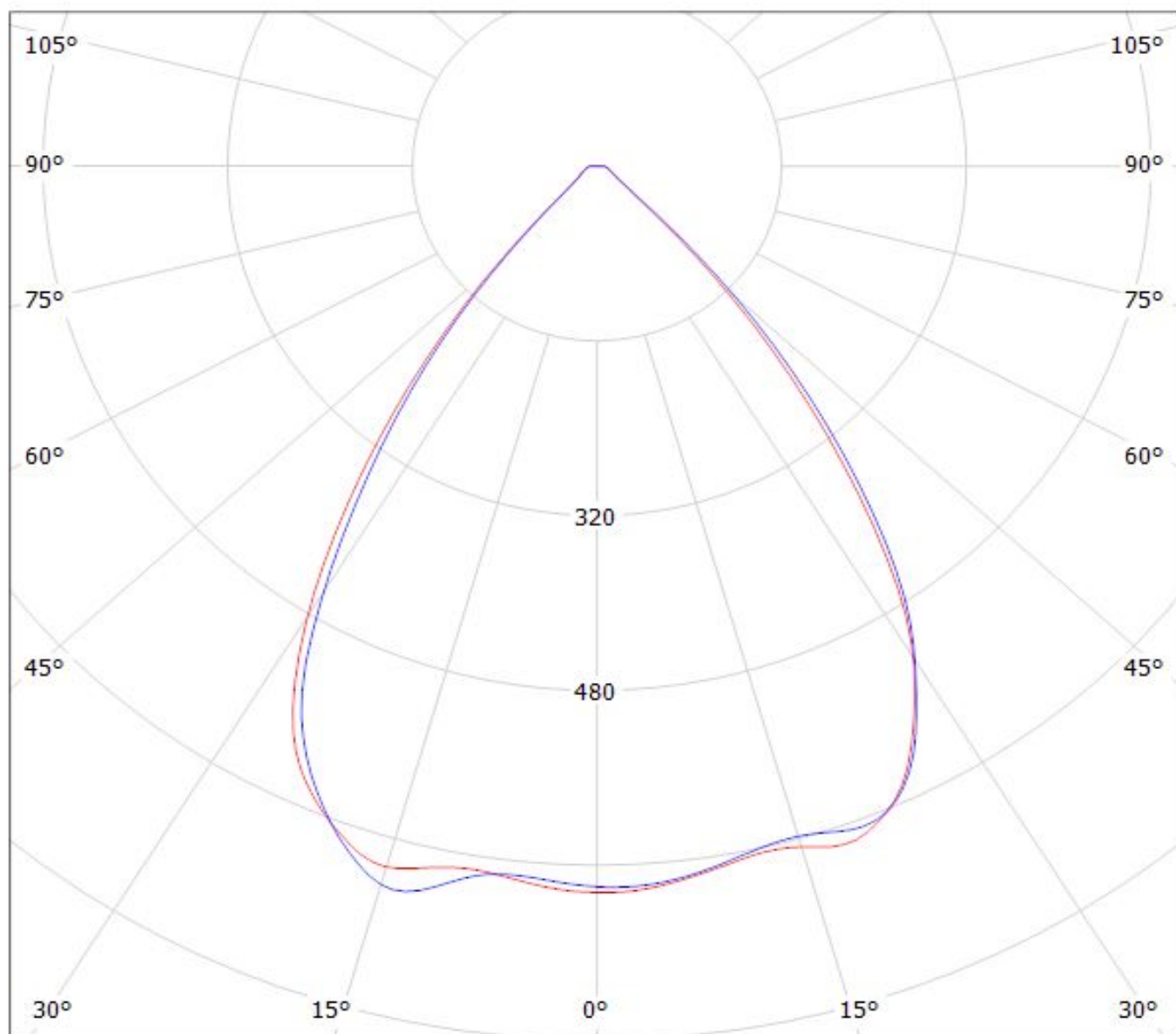


Luminaire: LEDiL Oy FN14074_STELLA-HB_(SOLERIQ_S19) Eff.92.3%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1401.57lm@250mA_CCT=3000K_P=10.4274W_I=249.8mA



Luminaire: LEDiL Oy FN14074_STELLA-HB_(VERO18) Eff.93%

Lamps: 1 x VERO18_(BXRC30E4000F)_904.503lm@250mA P=6.79928W I=249.9mA

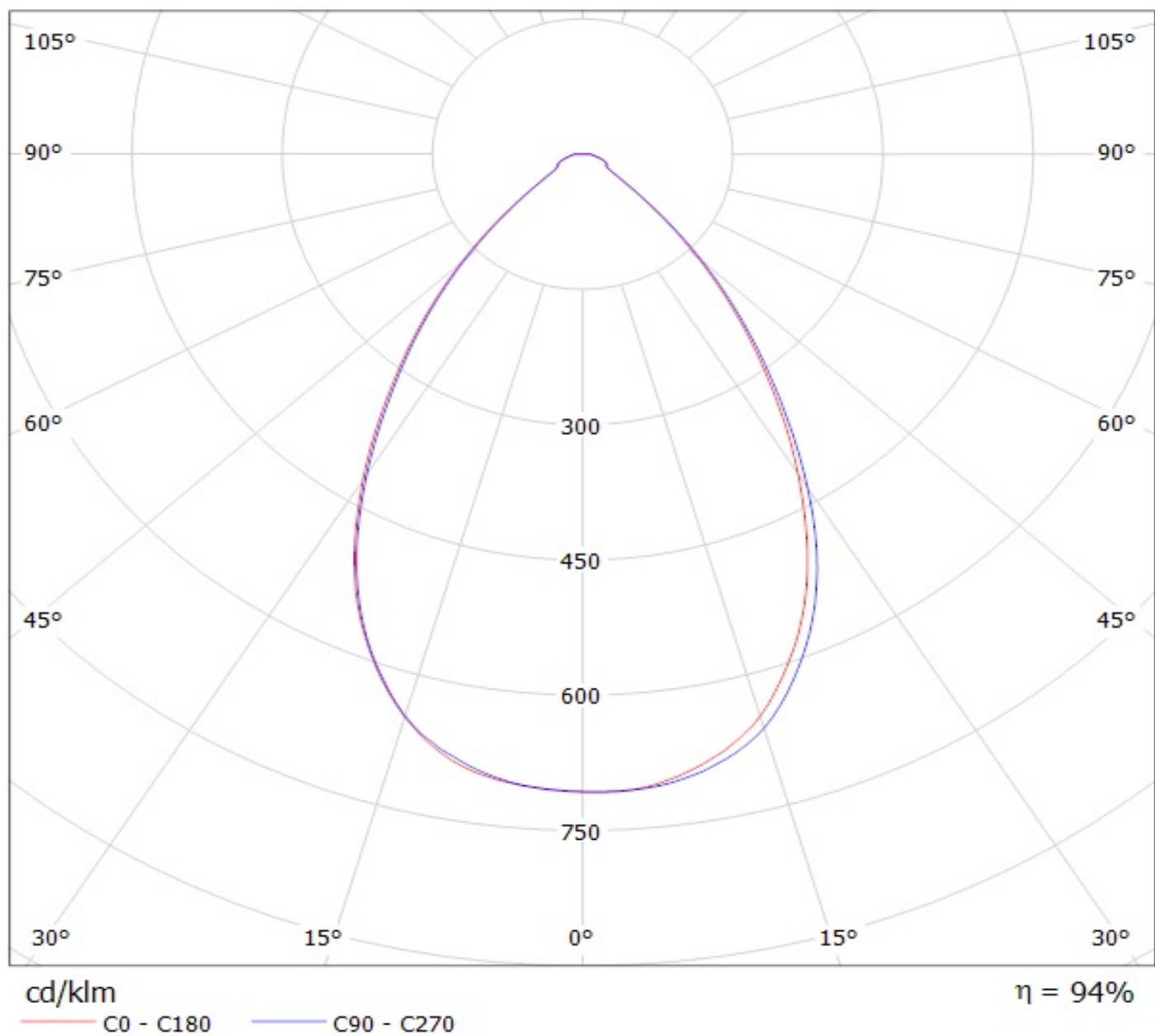


cd/klm

— C0 - C180 — C90 - C270

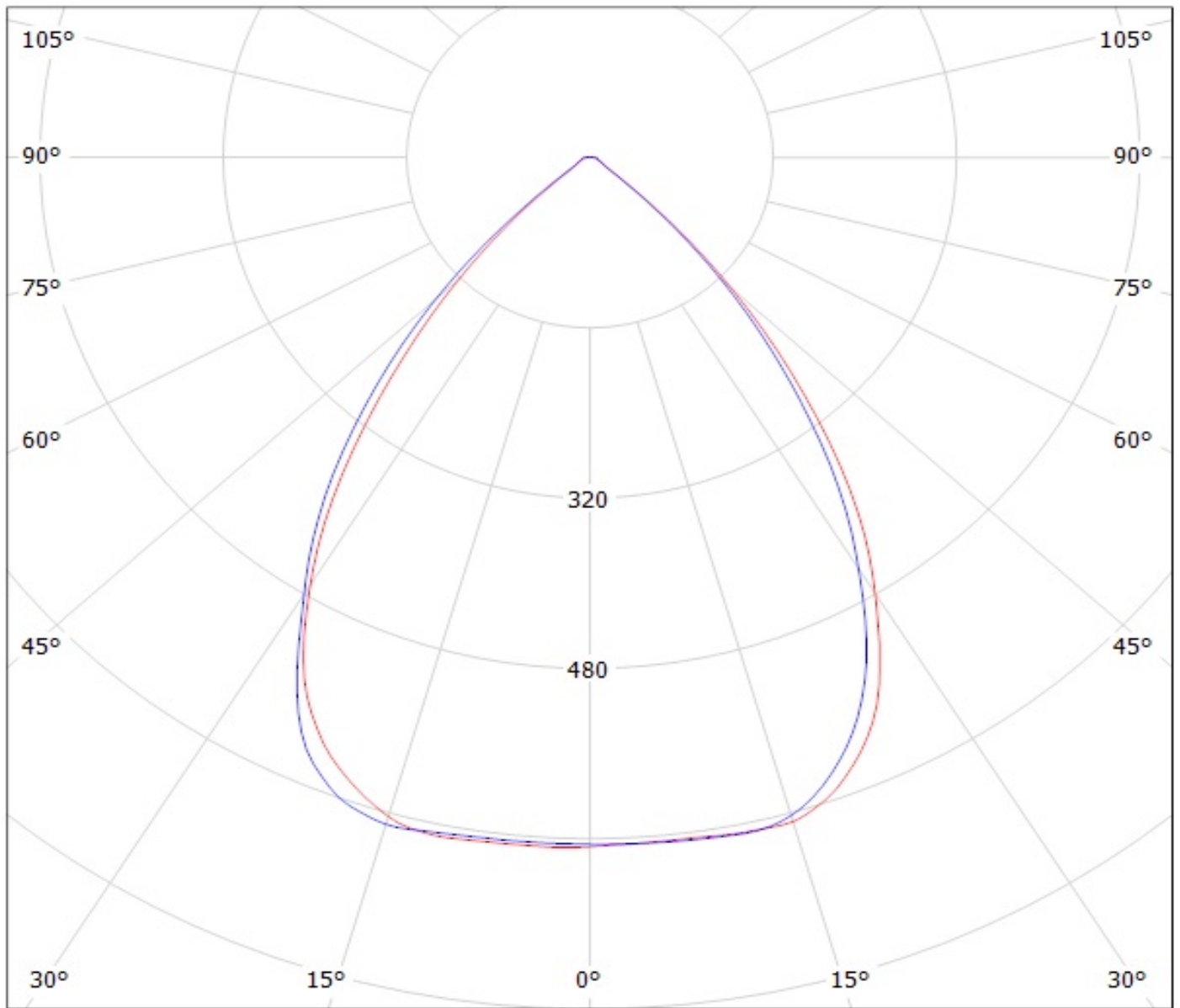
$\eta = 93\%$

Luminaire: LEDiL Oy FN14074_STELLA-HB_(VERO29)
Lamps: 1 x Bridgelux_VERO29_(BXRC-50C10K0-L-04)
_568.615lm@100mA_CCT=4910K_P=3.4015W_I=100.1mA



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLU046)

Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



cd/klm

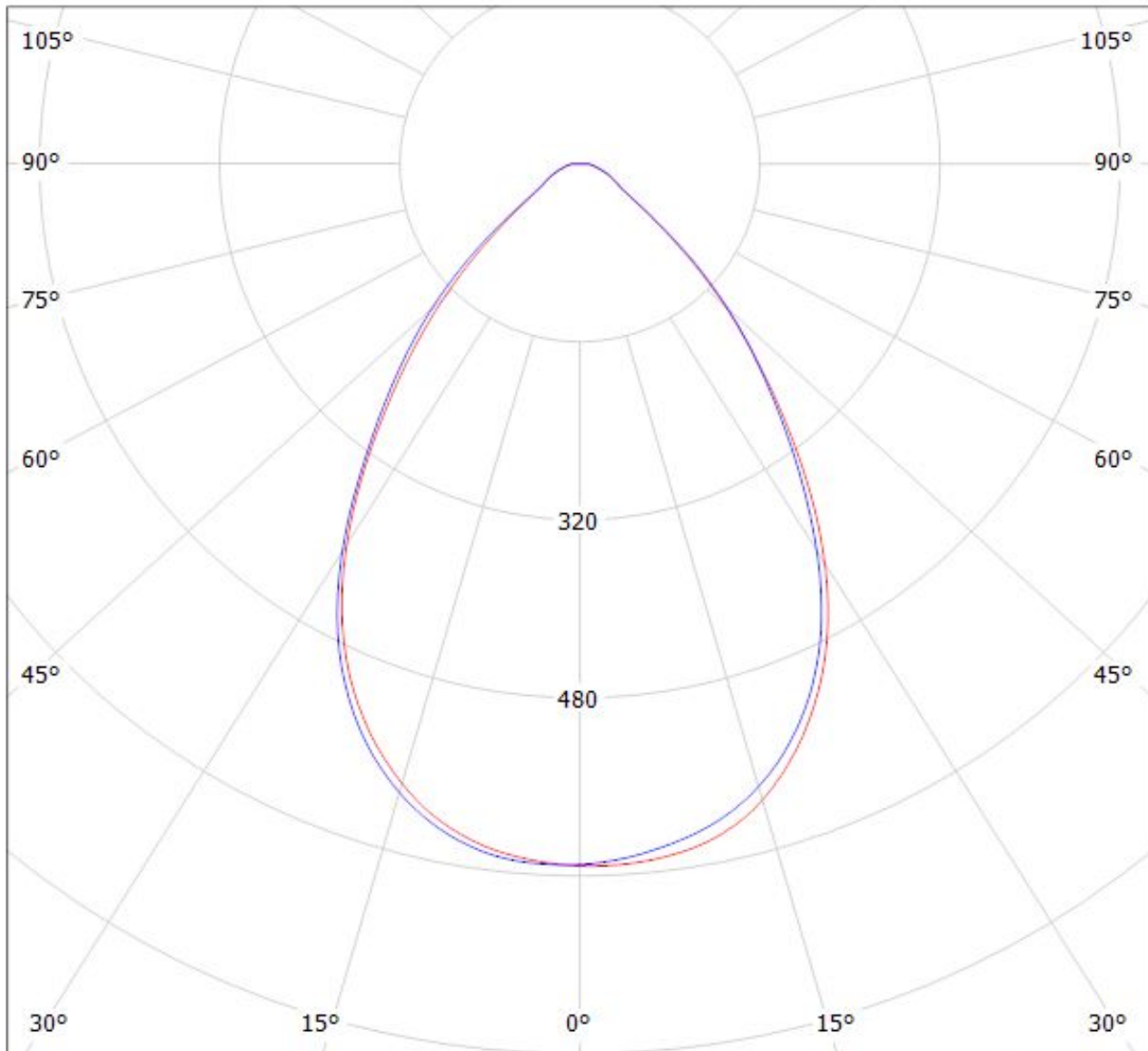
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLL050) Eff.92.5%

Lamps: 1 x CITIZEN_CLL050_(1825A1-50KL1A1)_1941.51lm@250mA_CCT=5000K_P=11.9872W_I=249.8mA



cd/klm

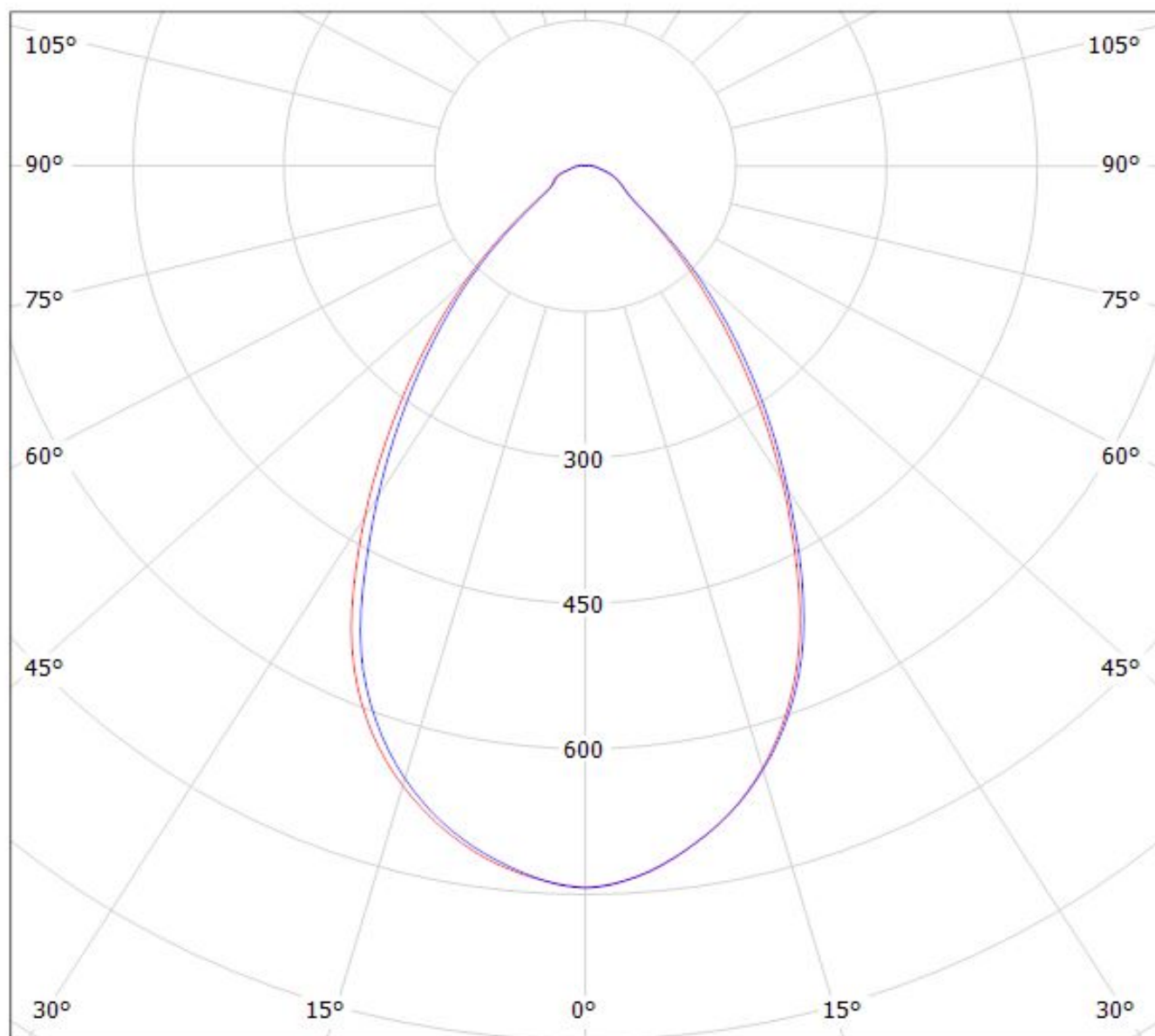
— C0 - C180

— C90 - C270

η = 92%

Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLL050)

Lamps: 1 x CLL050+_B+W_458_Typ_L4_1471.17lm@250mA_P=12.0411W_I=250mA



cd/klm

— C0 - C180

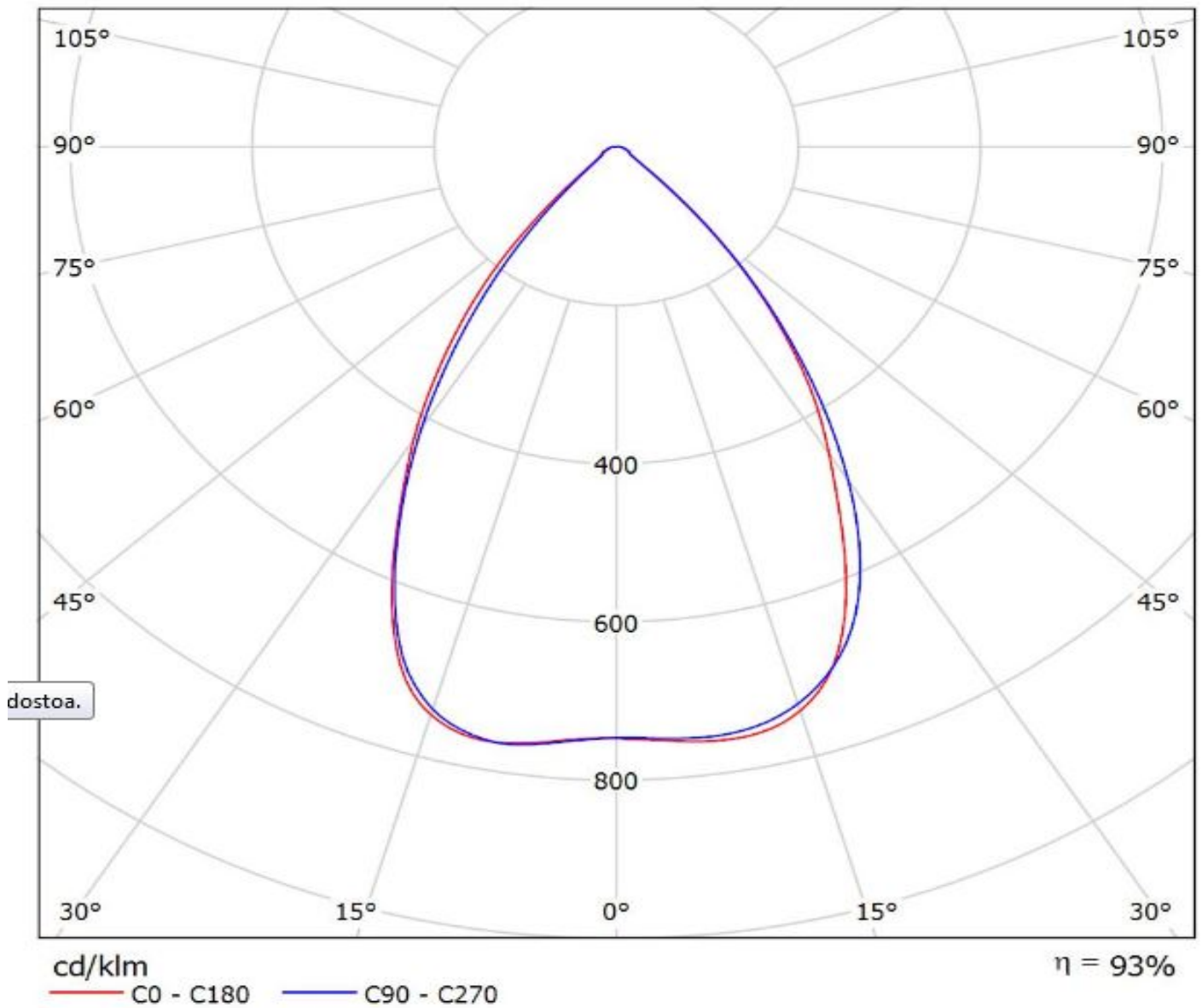
— C90 - C270

$\eta = 94\%$

Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3) / LDC (Polar)

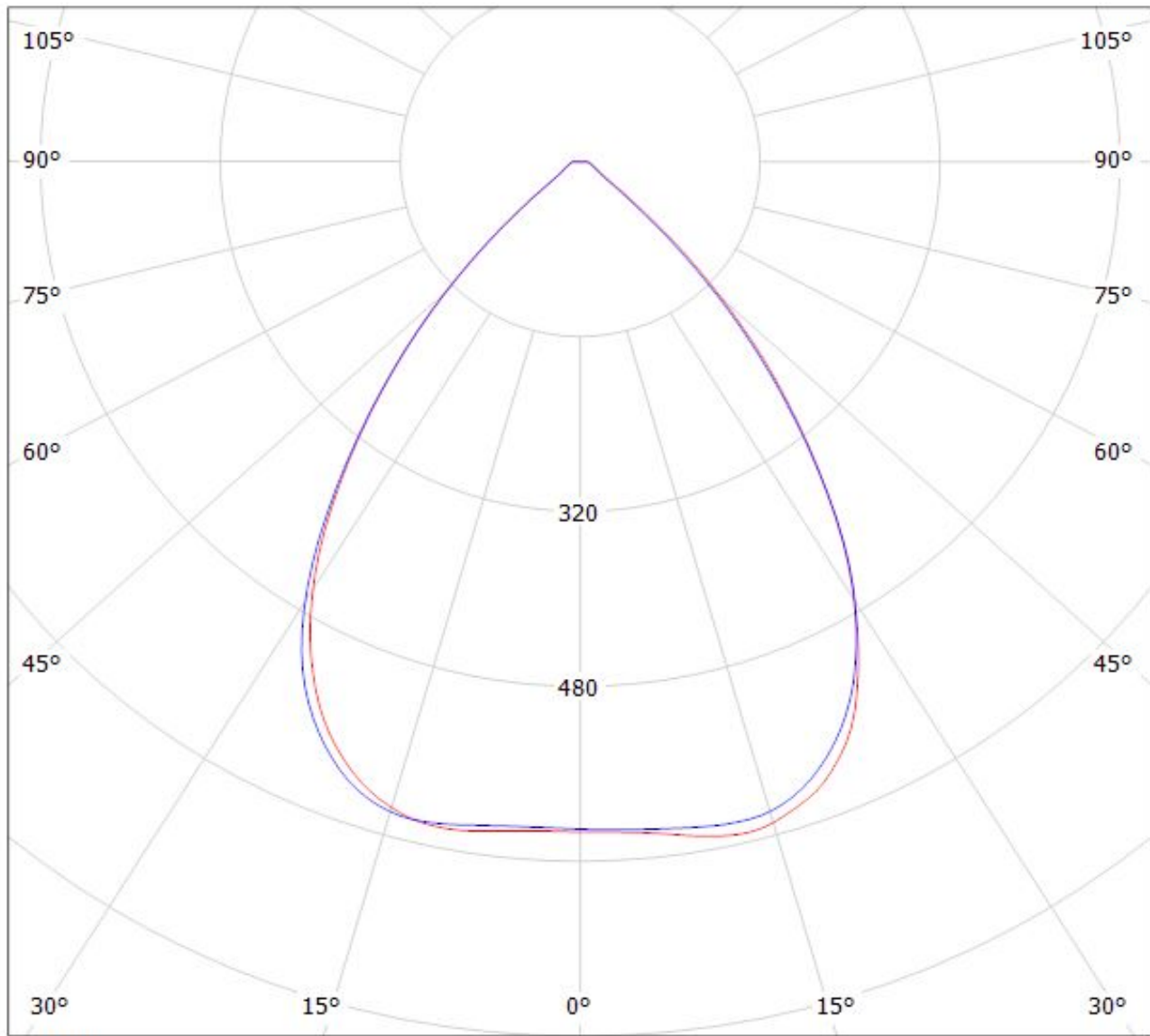
Luminaire: Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1334.99lm@250mA_P=8.16W_I=0.25A



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA3050)

Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1369.14lm@250mA_CCT=5000K_P=8.14498W_I=249.8mA



cd/klm

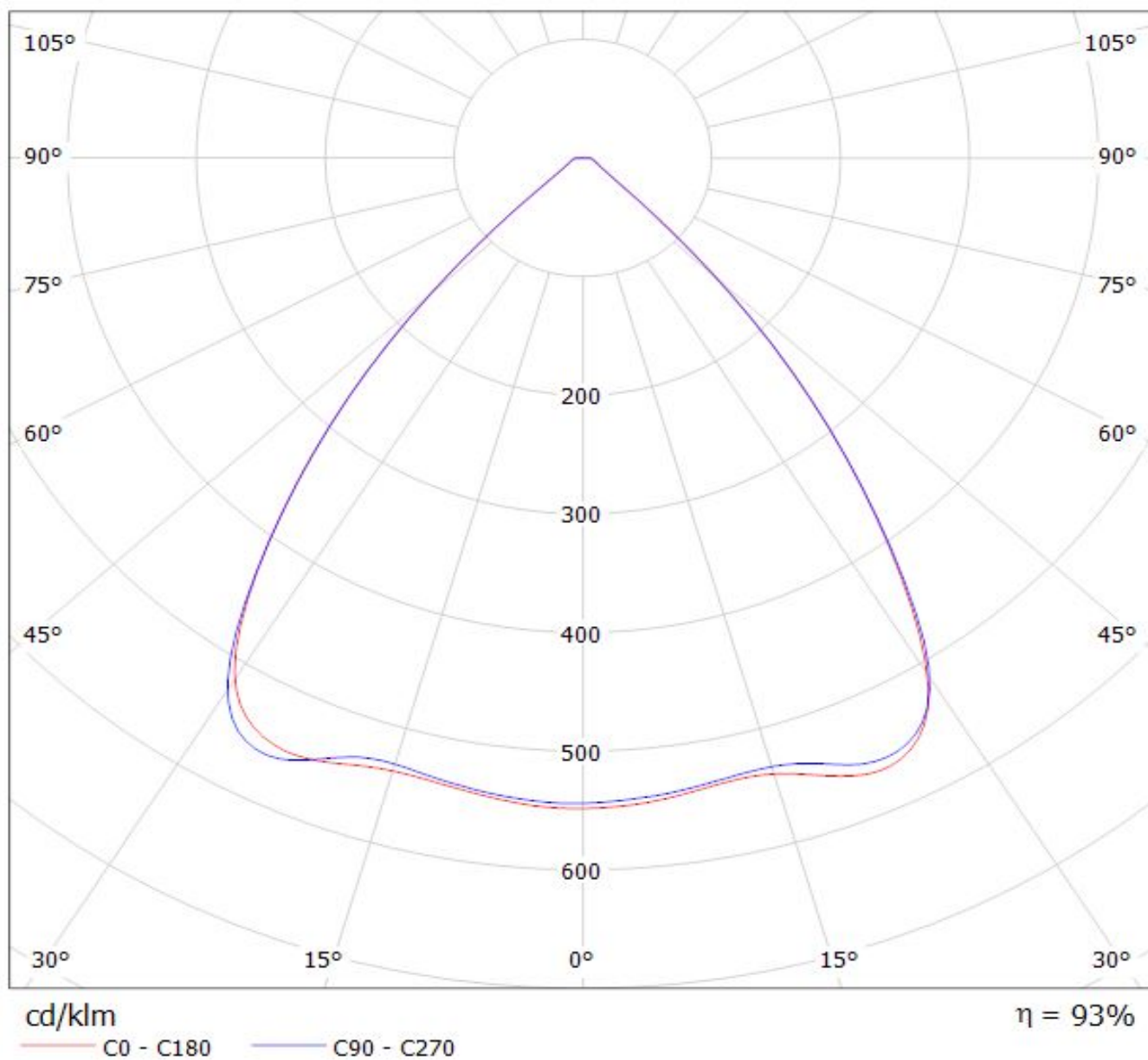
— C0 - C180

— C90 - C270

$\eta = 93\%$

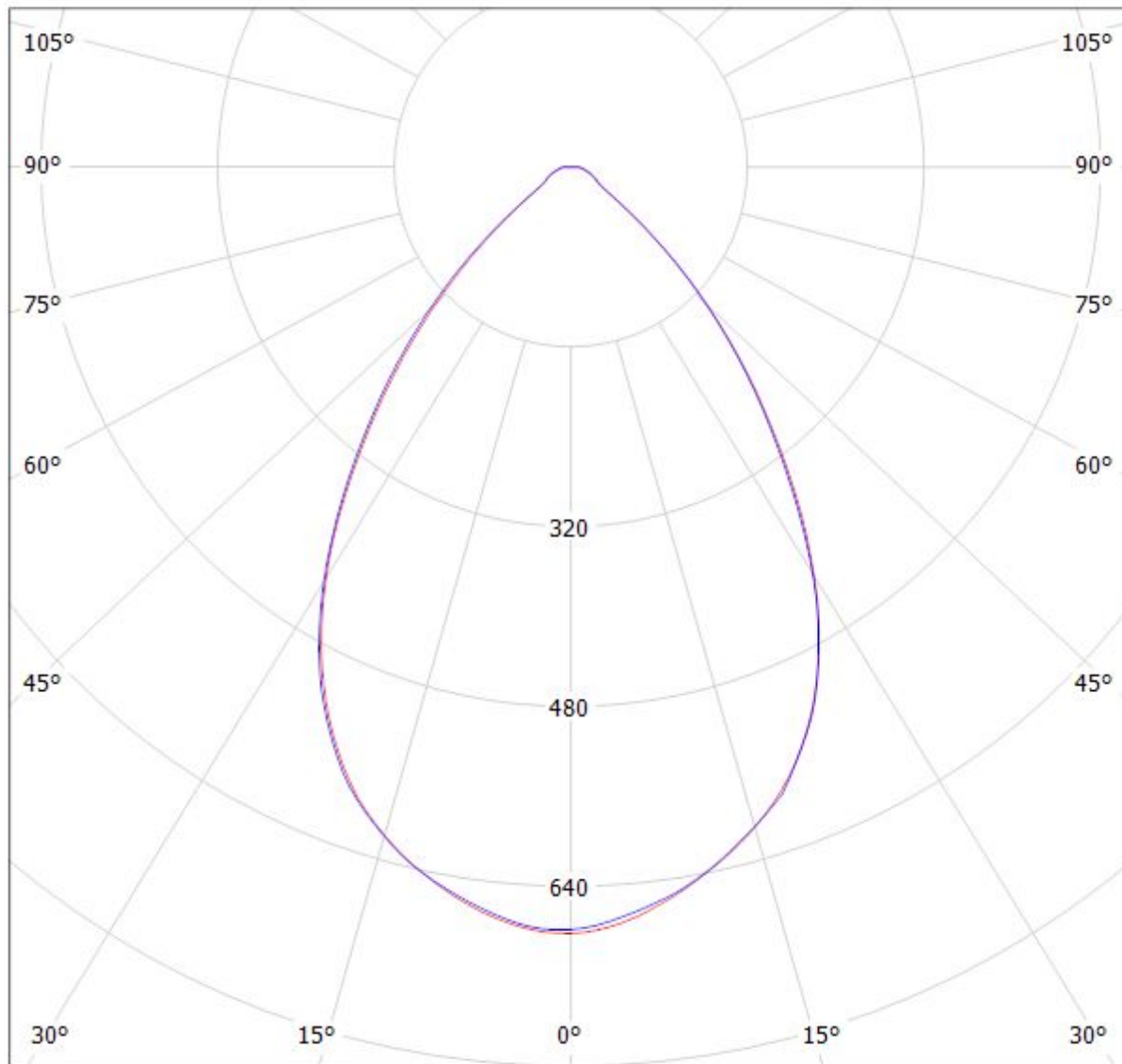
Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA25)

Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U)_872.554lm@250mA_CCT=3000K_P=8.53567W_I=249.8mA



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXA3590)

Lamps: 1 x Cree_CXA3590_(CXA3590-30F-BD-R0H-0002)_2639.65lm@250mA_CCT=3000K_P=16.3039W_I=249.8mA



cd/klm

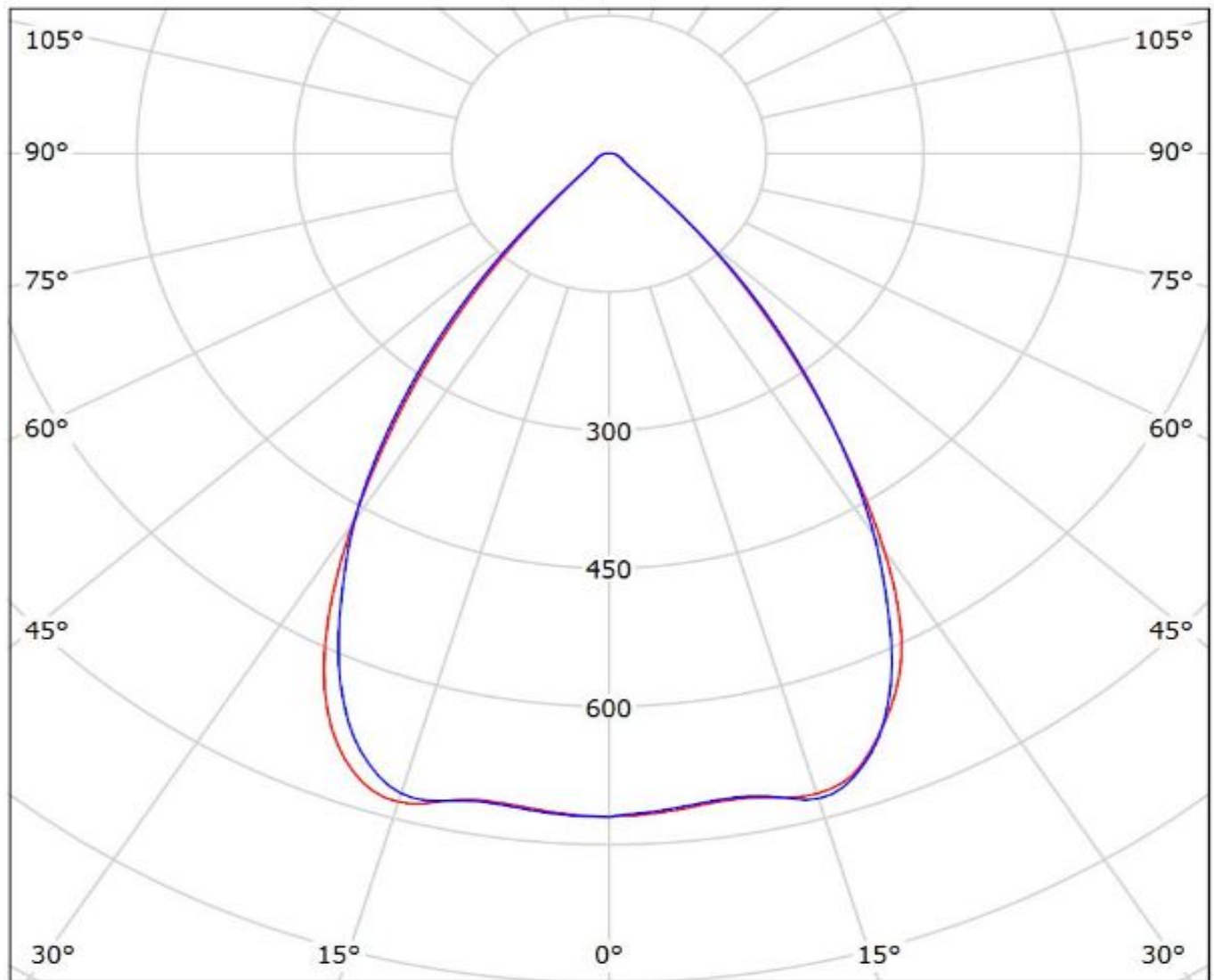
— C0 - C180 — C90 - C270

$\eta = 93\%$

Ledil FN14074_STELLA-HB_(CoB_1211)_(431_Typ_L3) / LDC (Polar)

Luminaire: Ledil FN14074_STELLA-HB_(CoB_1211)_(431_Typ_L3)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-2790-1211)_952.748lm@250mA_P=8W_I=0.25A



cd/klm

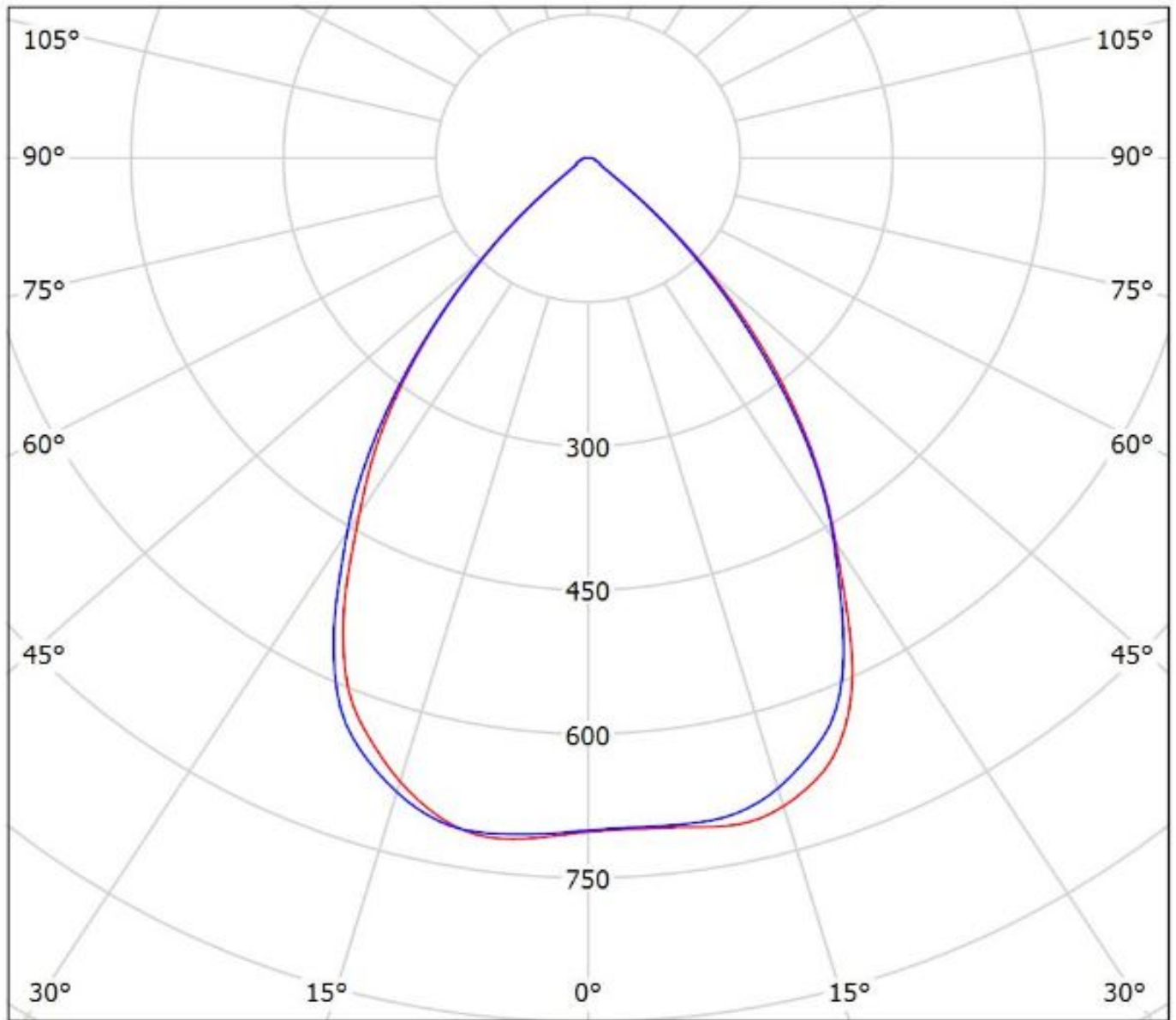
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil FN14074_STELLA-HB_(CoB_1216)

Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1468.12lm@250mA_P=7.9868W_I=0.25A



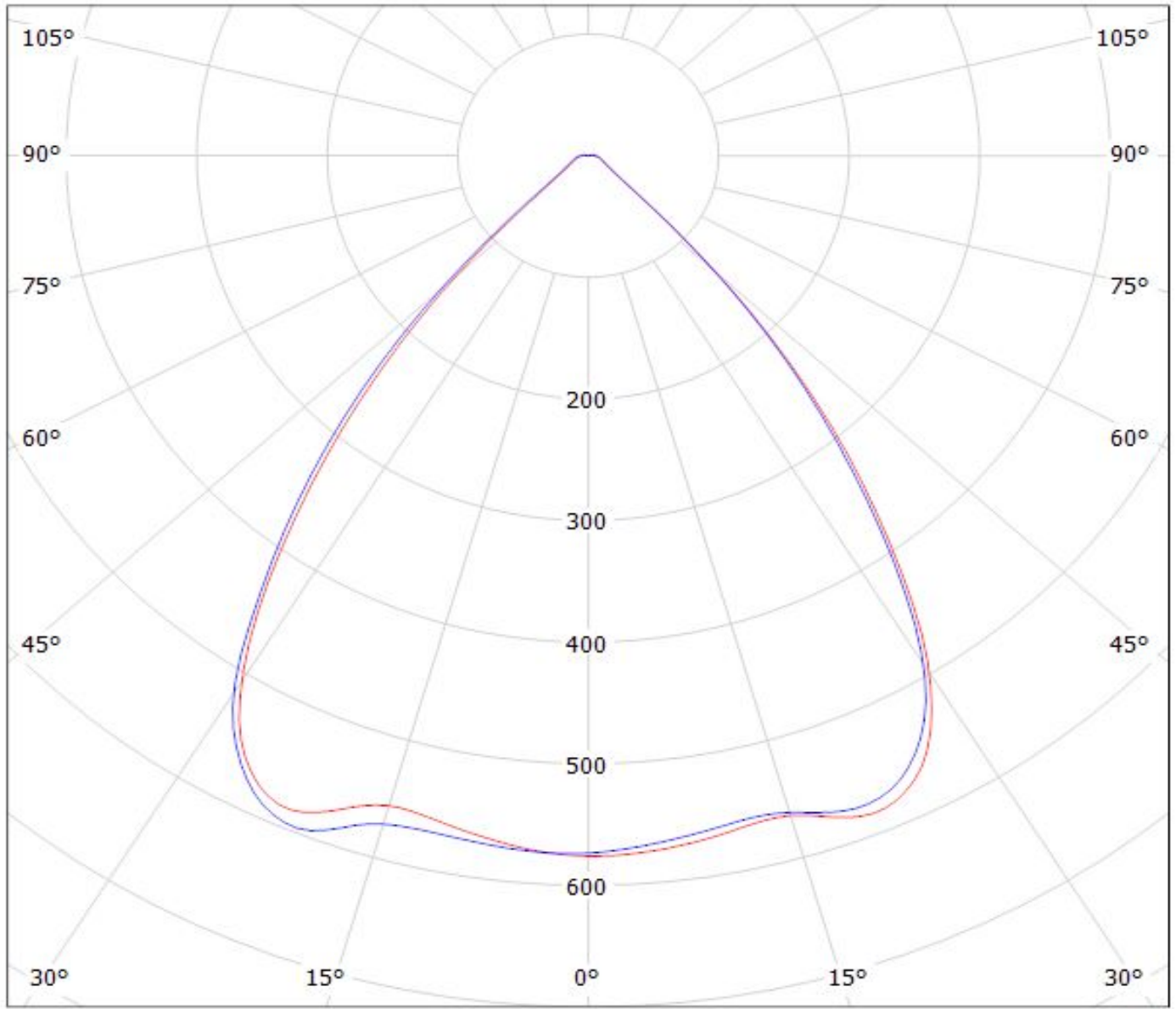
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy FN14074_STELLA-HB_(CXM-18) Eff.92.8%

Lamps: 1 x LUMINUS_XNOVA_CXM-18_897.842lm@250mA_P=8.12425W_I=249.9mA



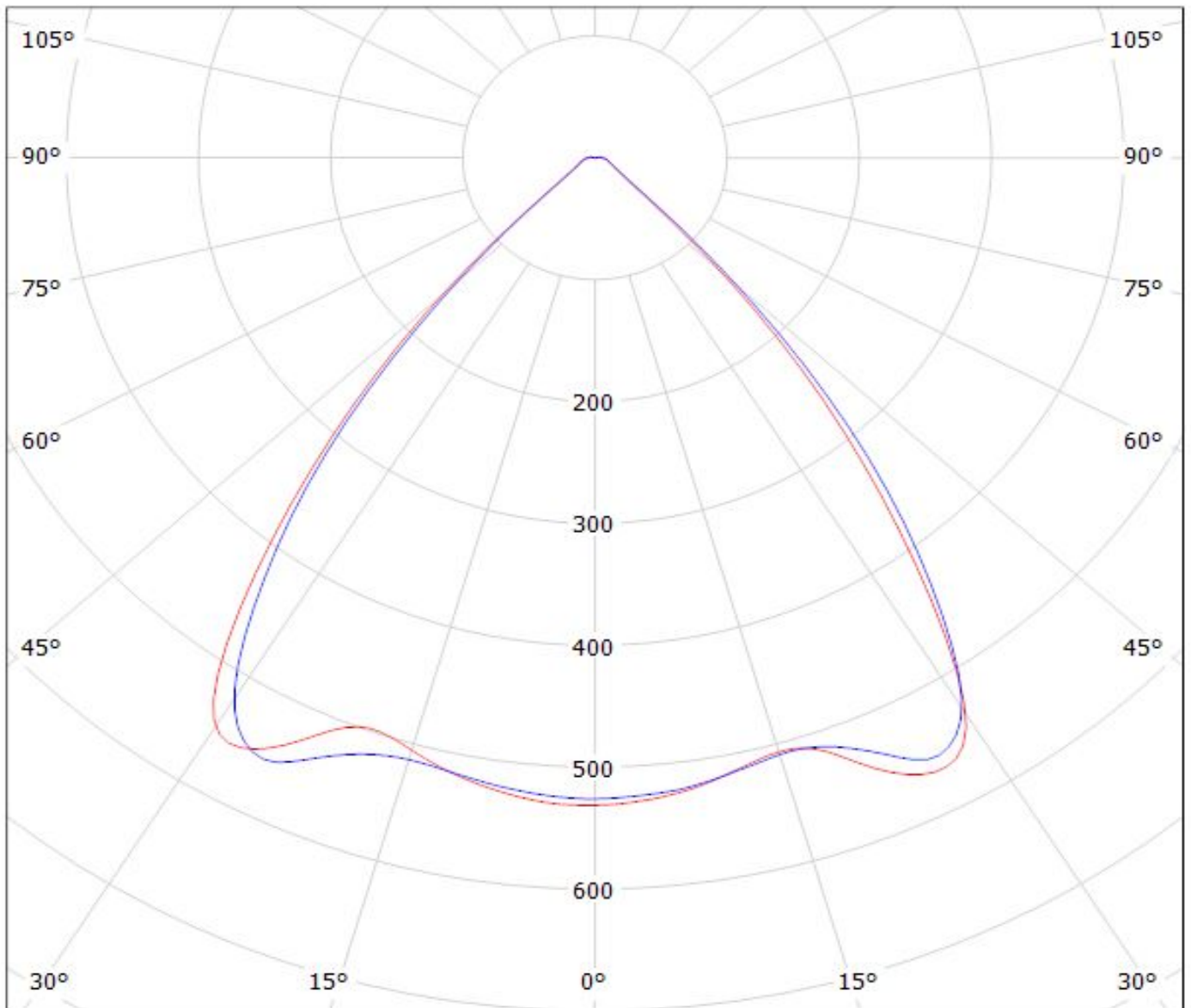
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FN14074_STELLA-HB_(SOLERIQ_S19) Eff.92.3%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1401.57lm@250mA_CCT=3000K_P=10.4274W_I=249.8mA



cd/klm

$\eta = 92\%$

— C0 - C180 — C90 - C270

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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.