

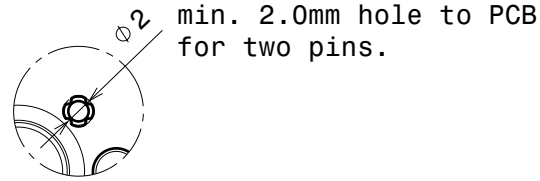
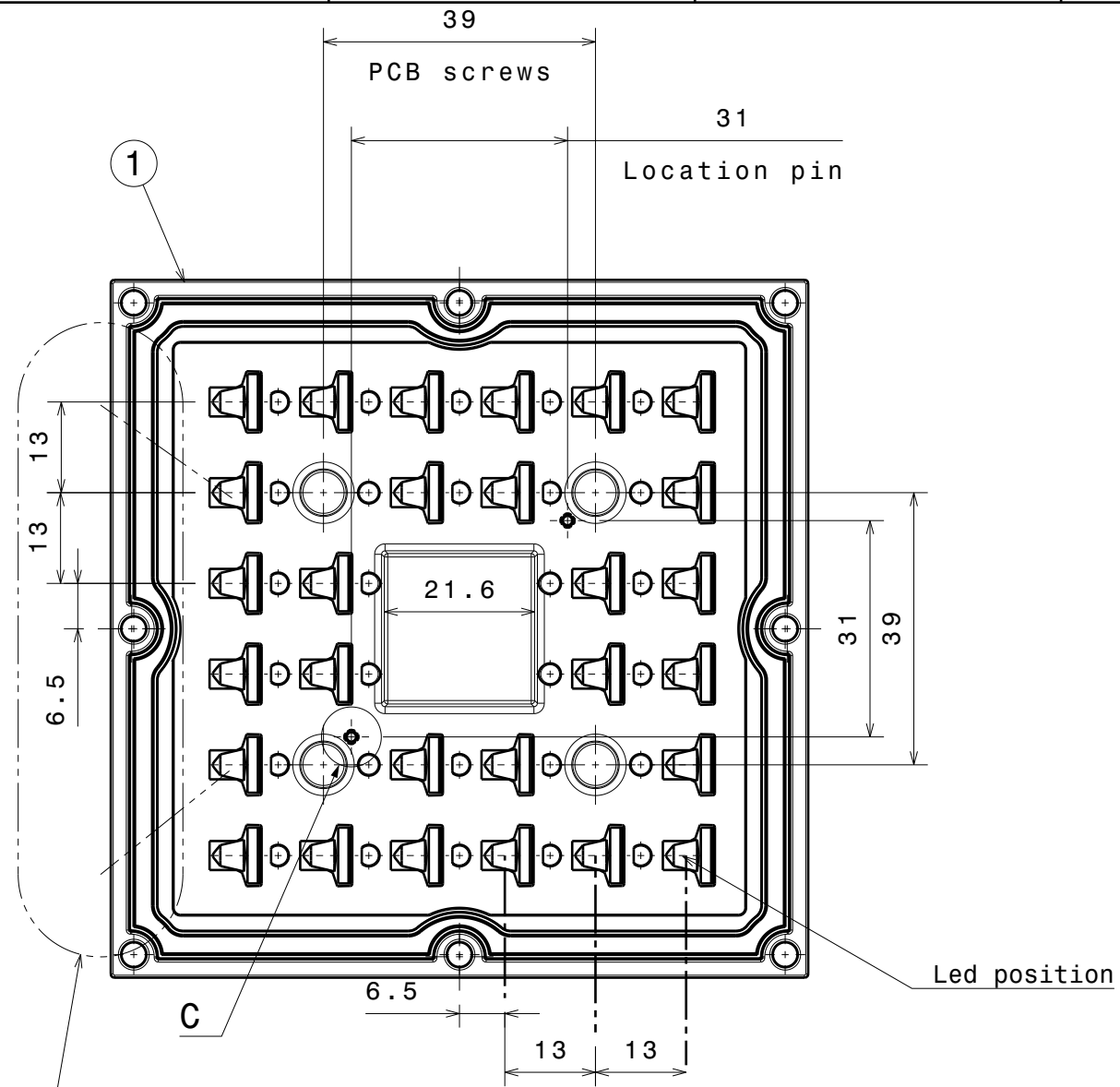
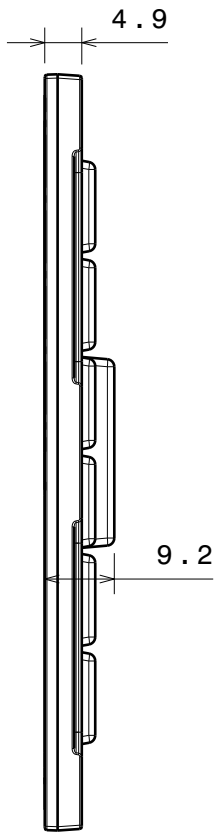
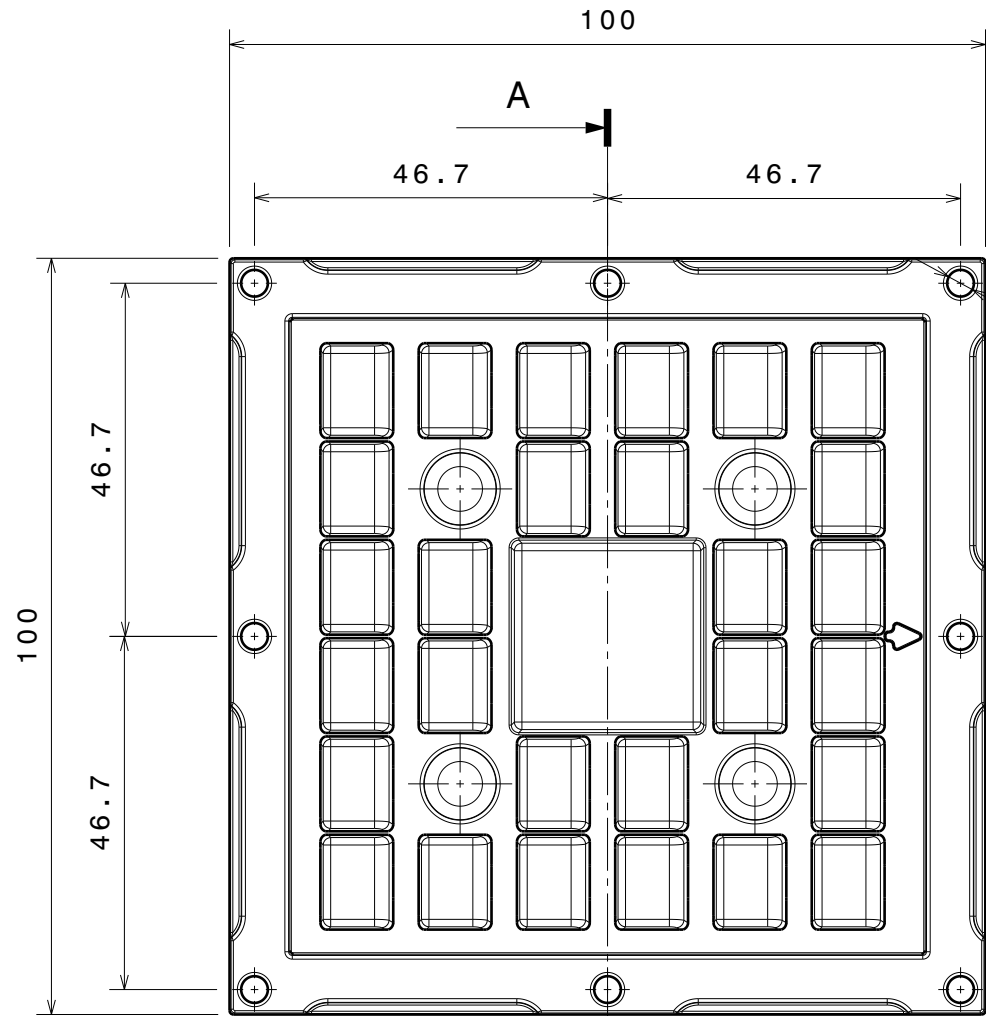
DETAILS

| | |
|------------------------|----------------------------|
| Product Number | CS16102_STRADELLA-IP-28-T3 |
| Family | Stradella |
| Type | Lens |
| Color | clear |
| Diameter | 100 x 100 mm |
| Height | mm |
| Style | square |
| Optic Material | PMMA |
| Holder Material | |
| Fastening | pin, screw |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 11/12/2017 |



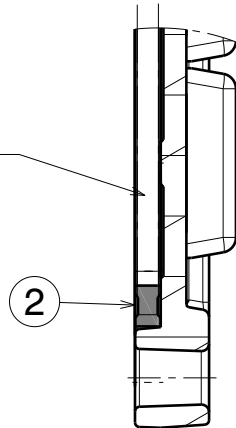
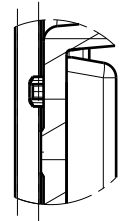
OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|-------------------|----------------|---------------|------------|------------|-----------|
| XT-E | Asymmetric deg | Streetligh... | 94 % | 0.600 | - |
| XP-G3 | sim: Asymmetri | Streetligh... | sim: 90 % | sim: 0.400 | - |
| J Series 3030 | sim: Asymmetri | Streetligh... | sim: 93 % | sim: 0.680 | - |
| LUXEON 3030 2D | Asymmetric deg | Streetligh... | 94 % | 0.780 | - |
| NF2x757G | sim: Asymmetri | Streetligh... | sim: 94 % | sim: 0.660 | - |
| Duris S5 (2 chip) | Asymmetric deg | Streetligh... | 94 % | 0.680 | - |
| Oslon SSL 150 | sim: Asymmetri | Streetligh... | sim: 91 % | sim: 0.660 | - |



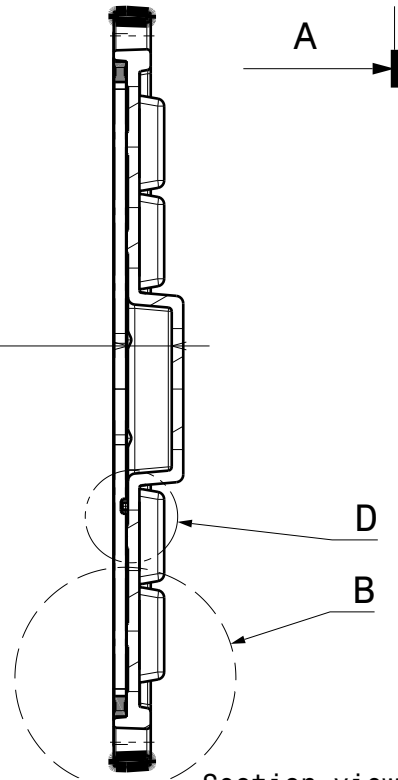
Detail C
Scale: 2:1

Detail D
Scale: 2:1



Detail B
Scale: 2:1

Typical space for component
5.8



Section view A-A
Scale: 1:1

PCB space inside seal 81x 81mm

| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|--------------------|----------|--------|
| 1 | C16101 | STRADELLA-IP-28-T3 | PMMA | clear |
| 2 | C15900 | STRADELLA-28-SEAL | Silicone | |

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

FIRST ANGLE PROJECTION:

DRAWING TITLE
CS16102_STRADELLA-IP-28-T3

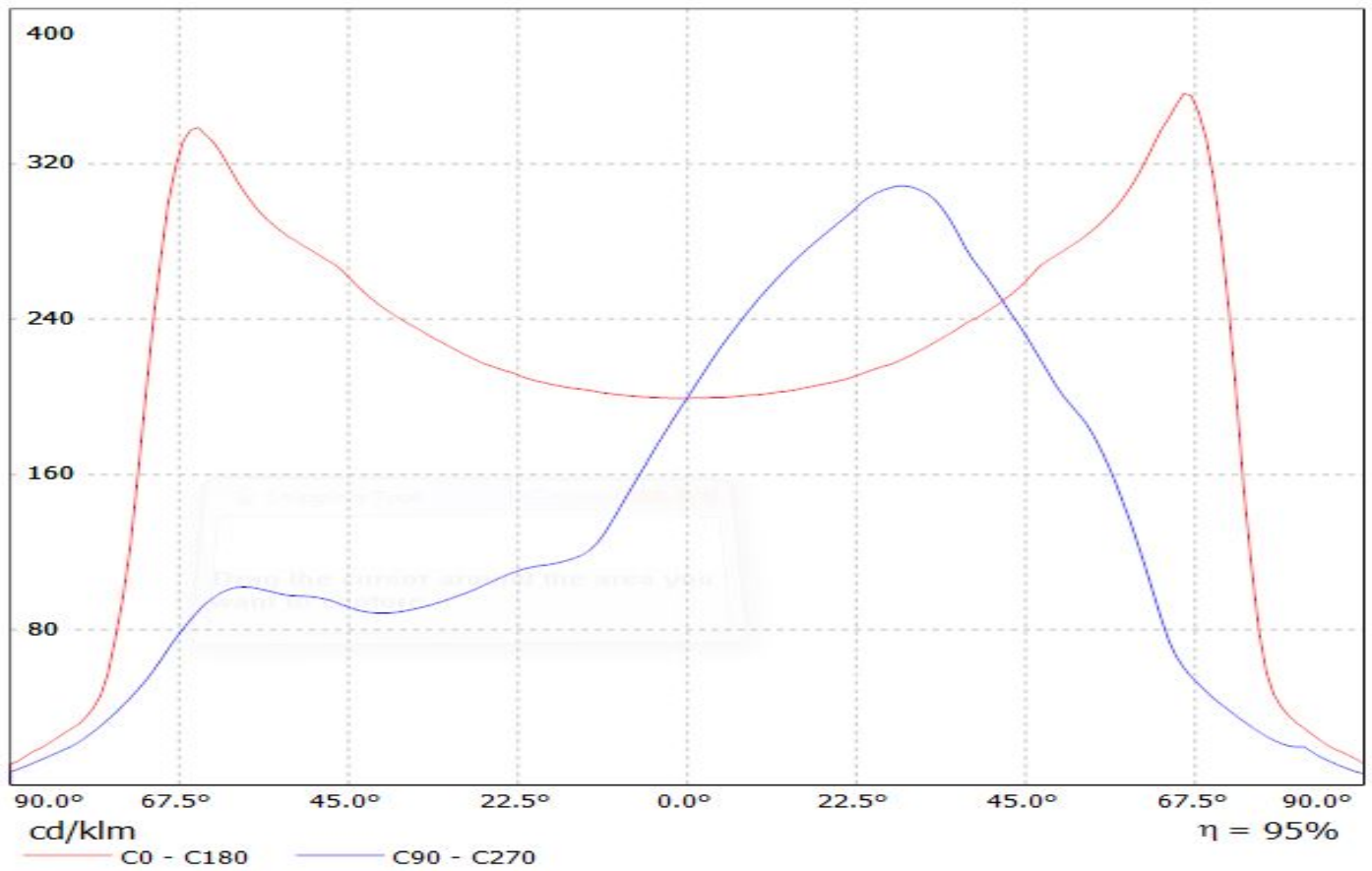
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SIZE: **A3** PART NUMBER: **Mechanical Drawing**

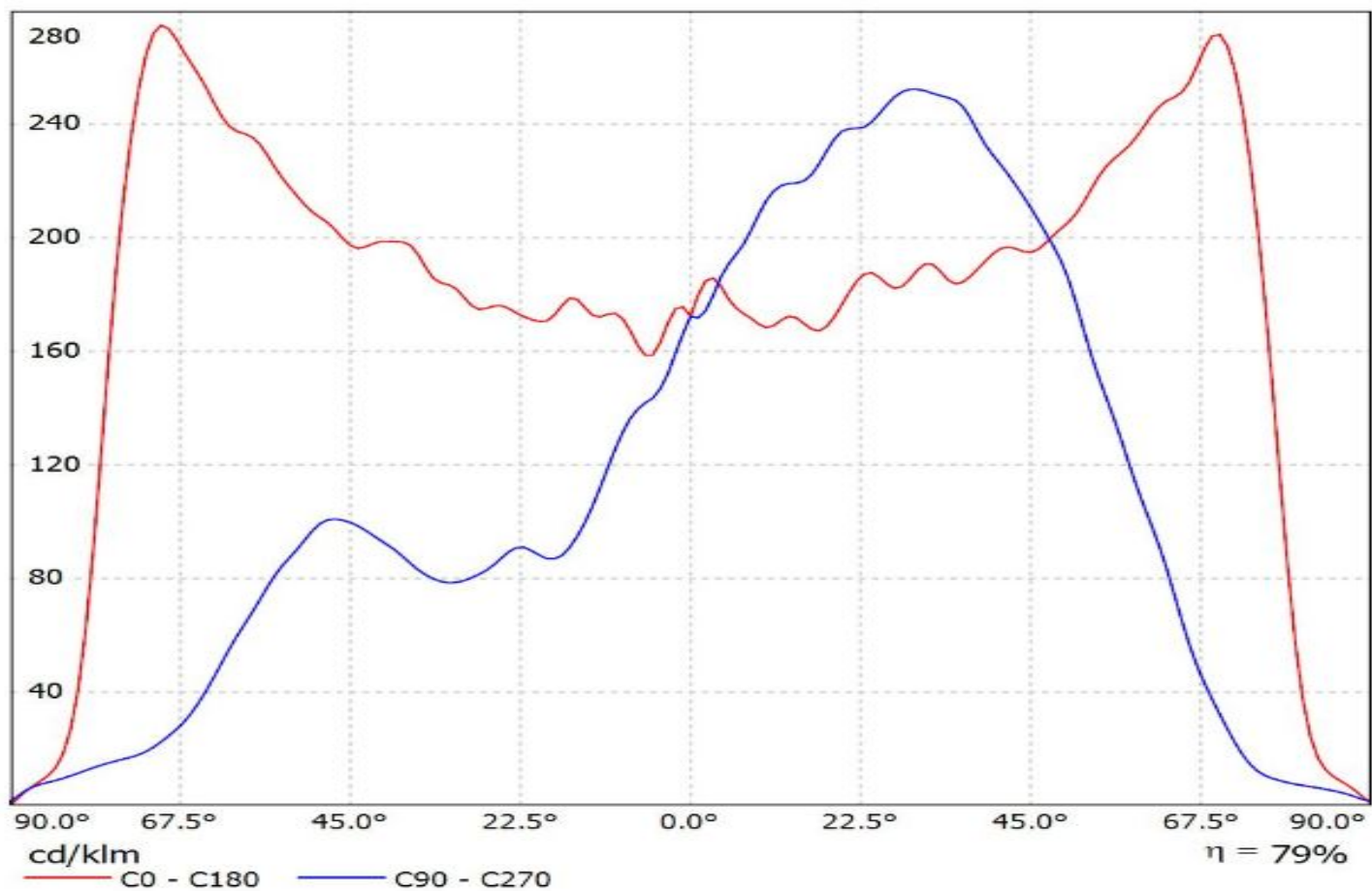
SCALE: 1:1 WEIGHT: SHEET: 1/1

Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(XT-E)

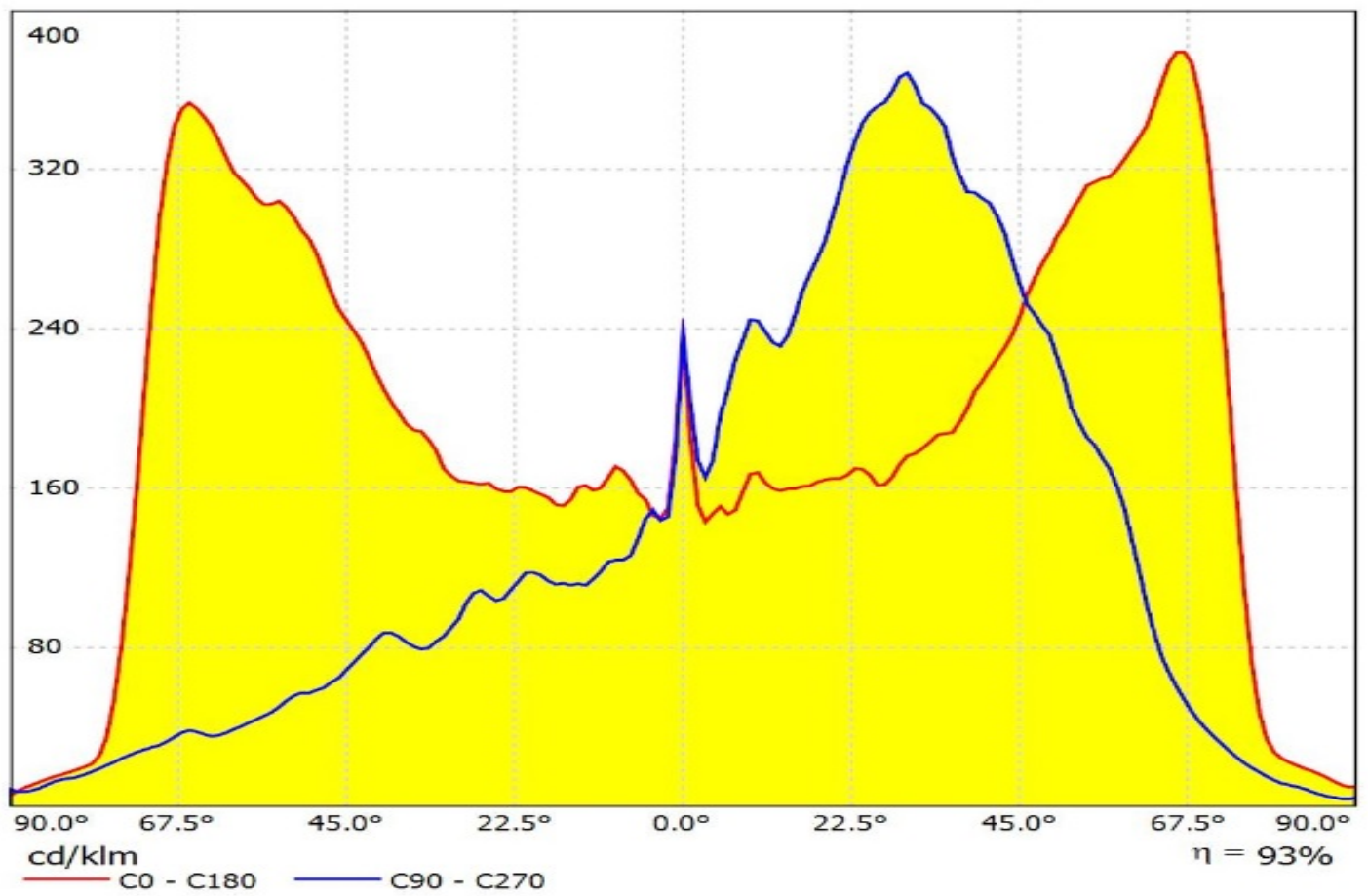
Lamps: 1 x Cree_XT-E_Stradella-28_1805.68lm@250mA_P=9.51344W_U=38.069V



Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3

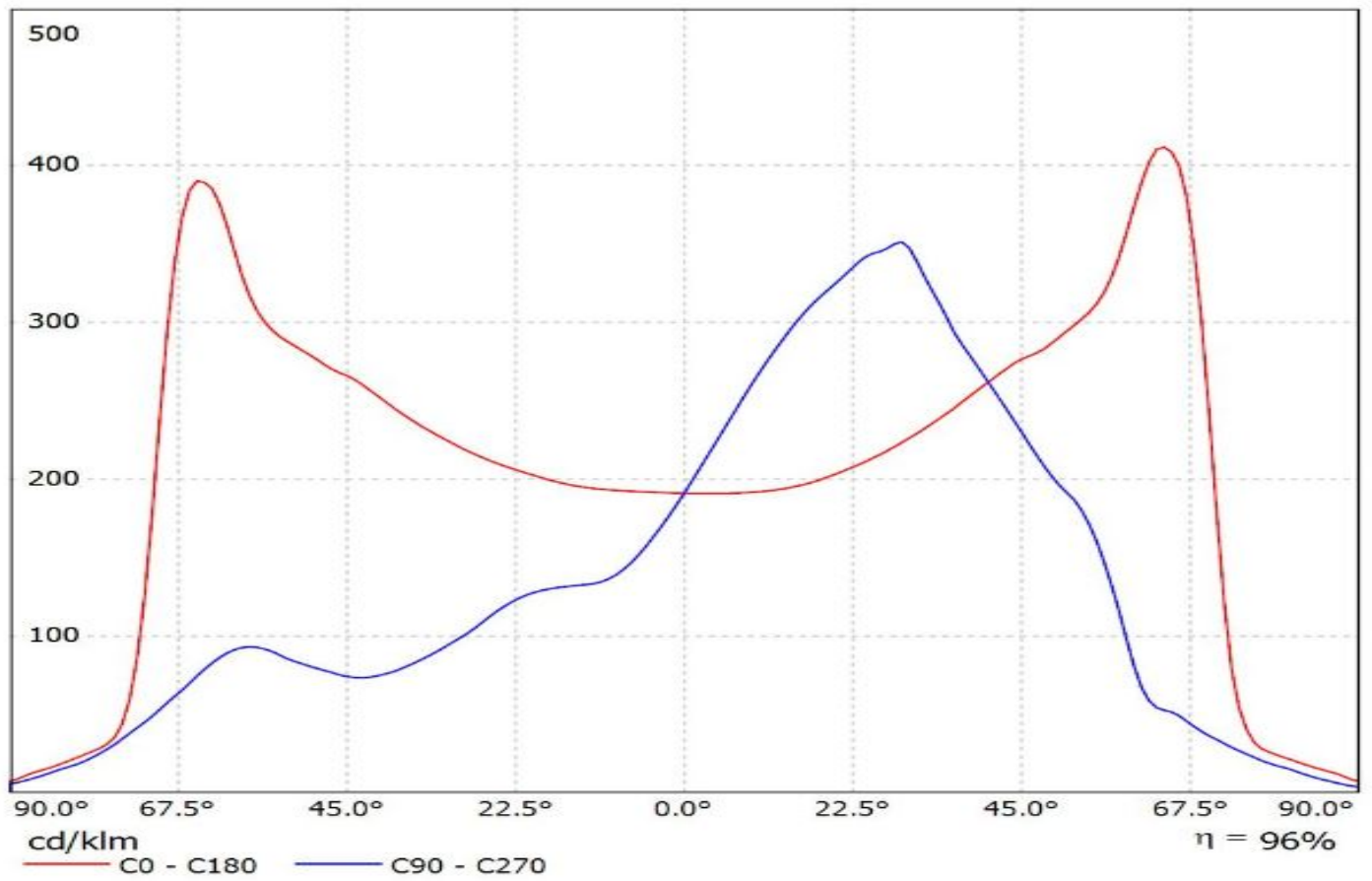


Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(J_Series_3030_-_JK3030_3V)_SIMULATED
Lamps: 1 x Cree JK3030 3V



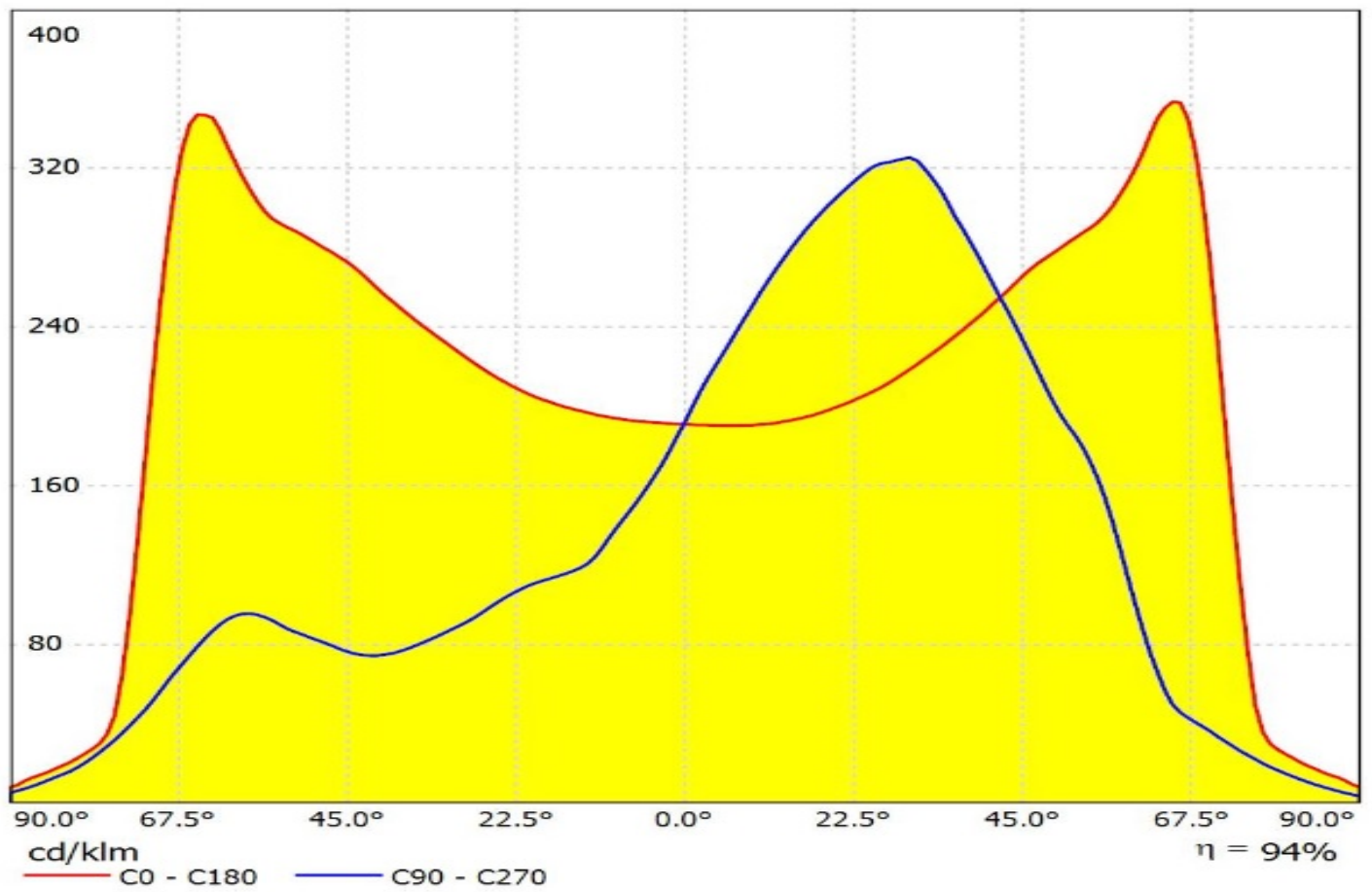
Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(Luxeon_3030_2D)

Lamps: 1 x Lumileds_Luxeon_3030_2D_1132.31lm@240mA_P=9.57624W_U=39.901V



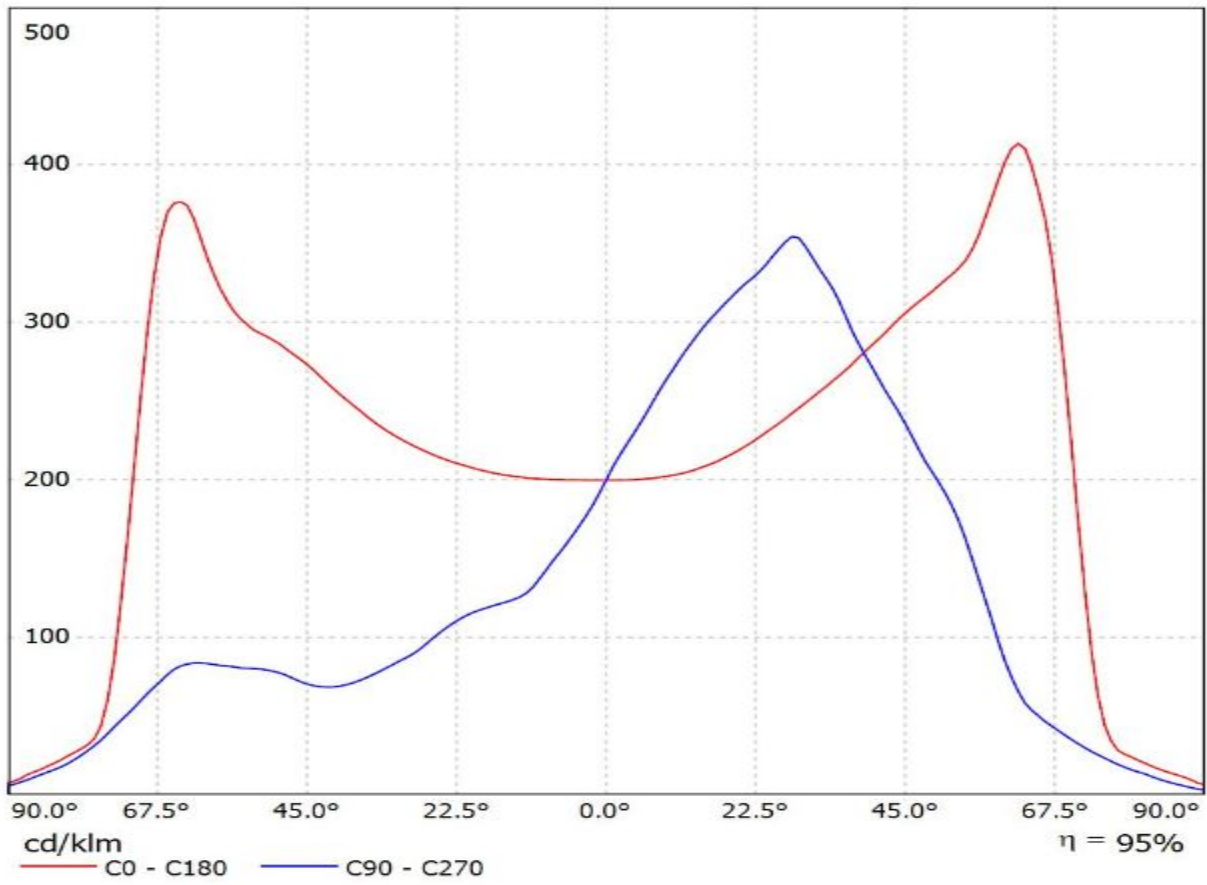
Luminaire: LEDiL Oy CS16102_STRADELLA-IP-28-T3_(NF2x757G)

Lamps: 1 x Nichia_NF2x757G_(NF2L757GRT-V1)_1005.33lm@150mA_P=5.81972W_U=38.824V

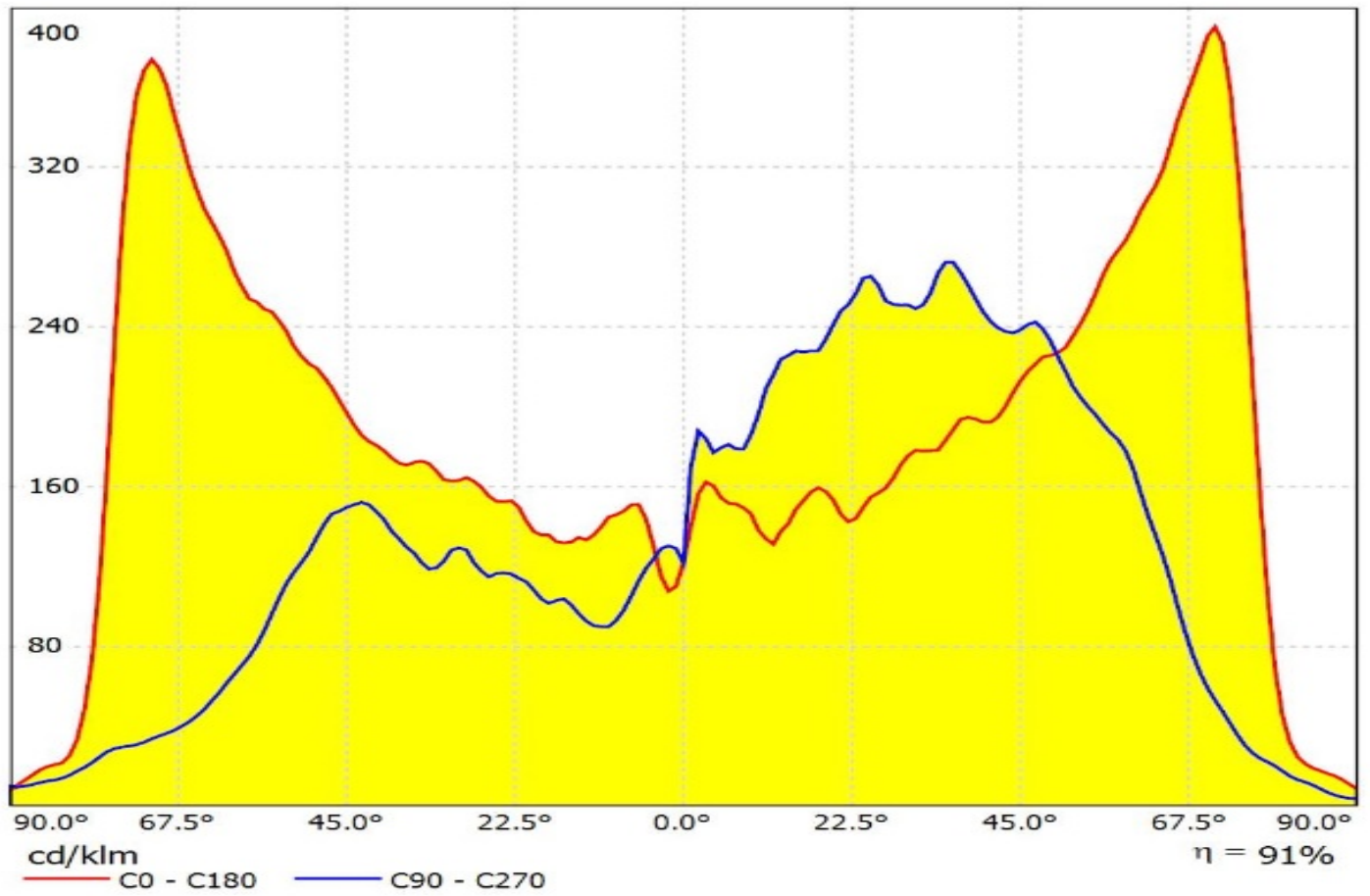


Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(Duris_S5)

Lamps: 1 x Osram_Duris_S5_Stradella28_(GW_PSLR32.EM-JQJS-A333-1)_786.457lm@250mA_P=4.90979W_η=0.250A

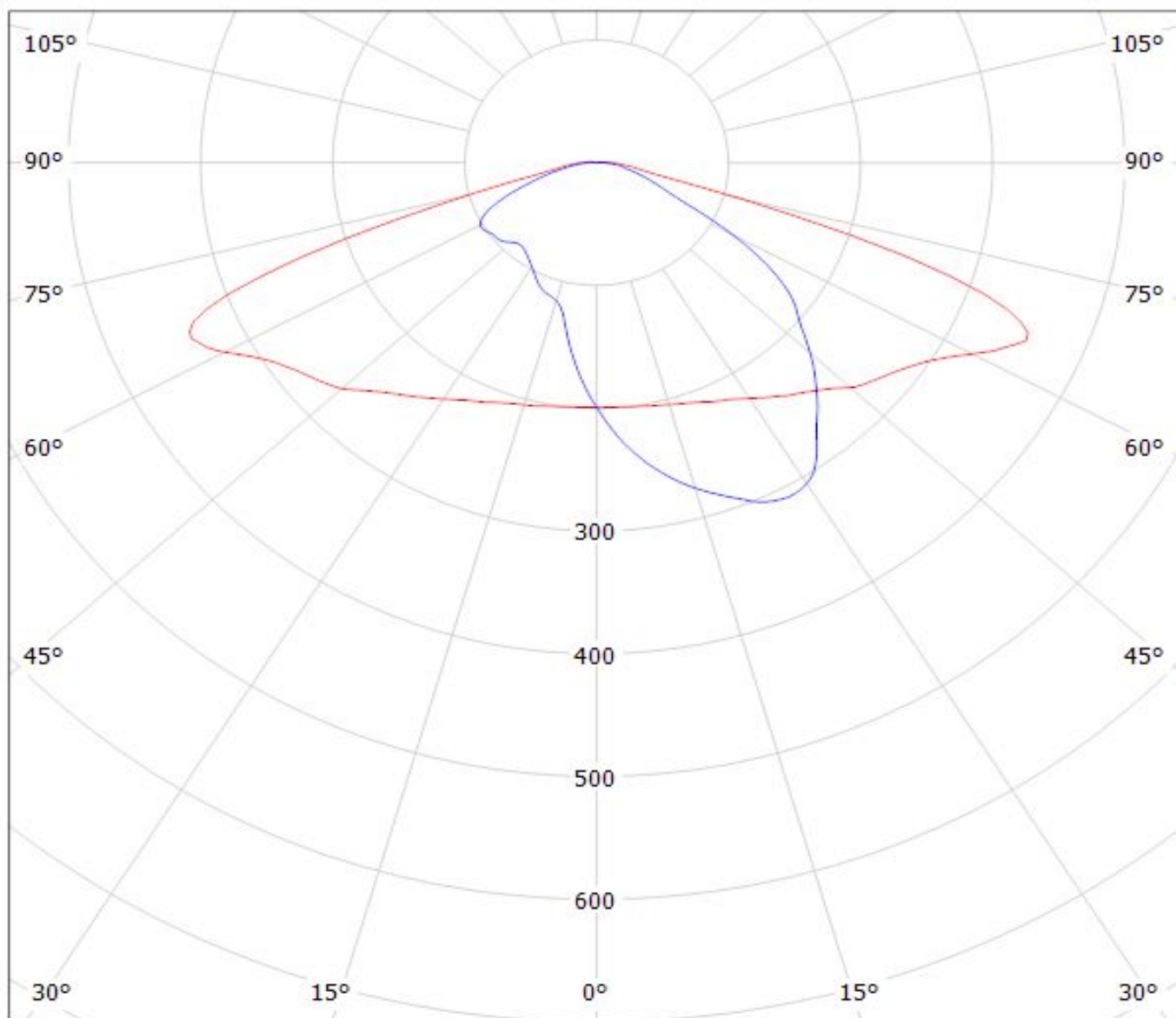


Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(Oslon_SSL_150)_SIMULATED
Lamps: 1 x Osram Oslon SSL 150 - GW CSHPM1.PM



Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(XT-E)

Lamps: 1 x Cree_XT-E_Stradella-28_1805.68lm@250mA_P=9.51344W_U=38.069V



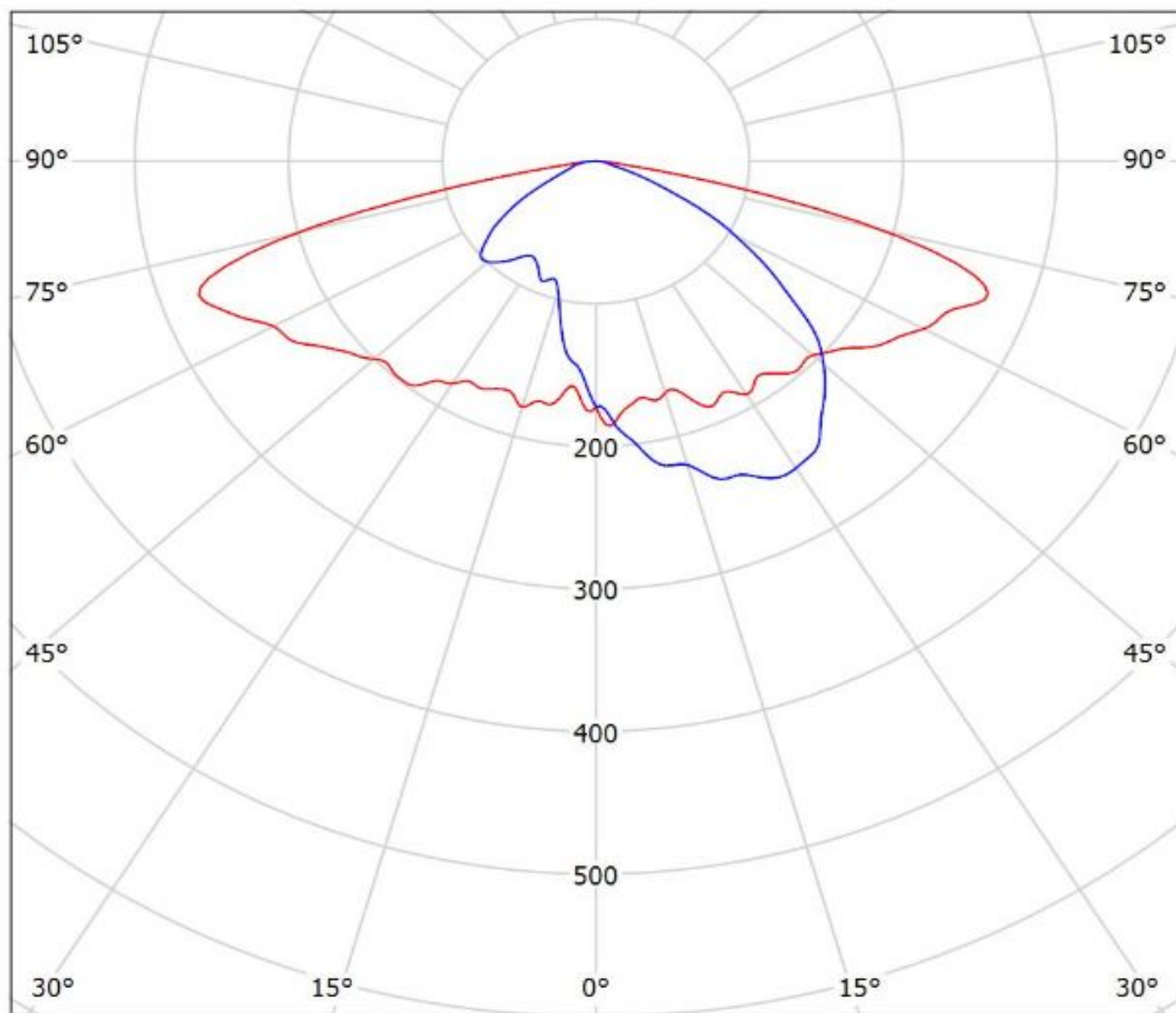
cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$

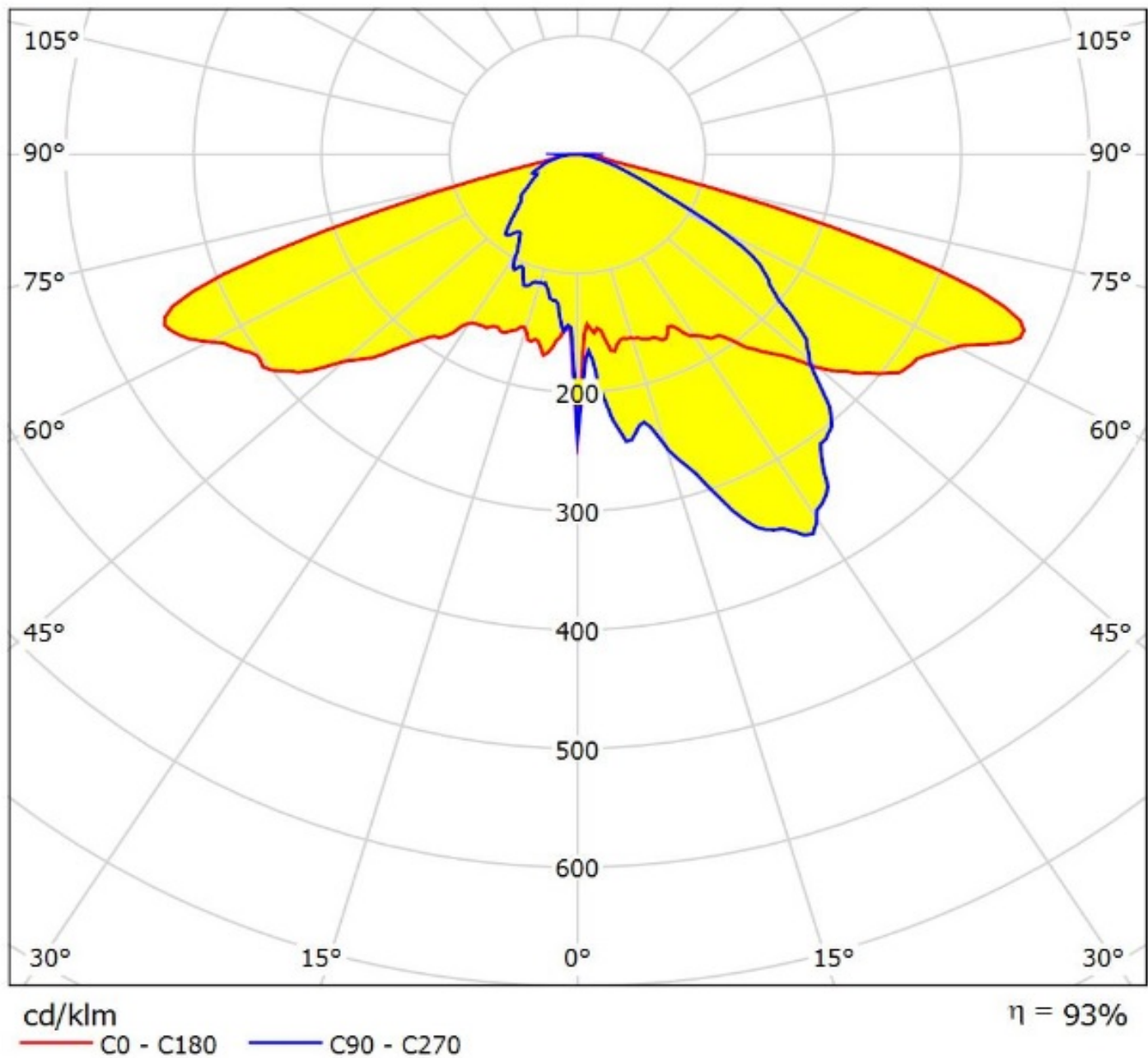
Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



cd/klm
— C0 - C180 — C90 - C270

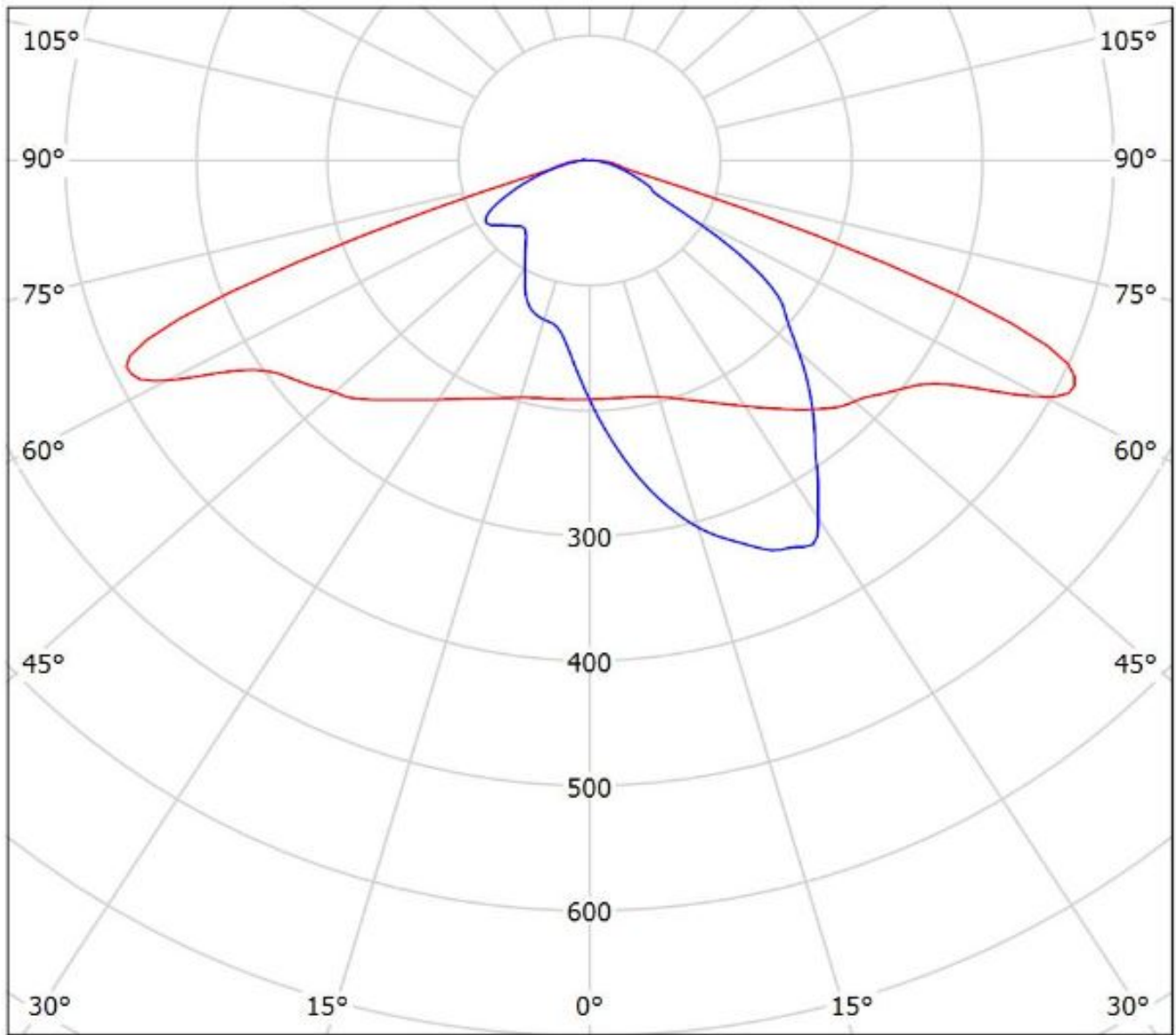
$\eta = 79\%$

Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(J_Series_3030_-_JK3030_3V)_SIMULATED
Lamps: 1 x Cree JK3030 3V



Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(Luxeon_3030_2D)

Lamps: 1 x Lumileds_Luxeon_3030_2D_1132.31lm@240mA_P=9.57624W_U=39.901V



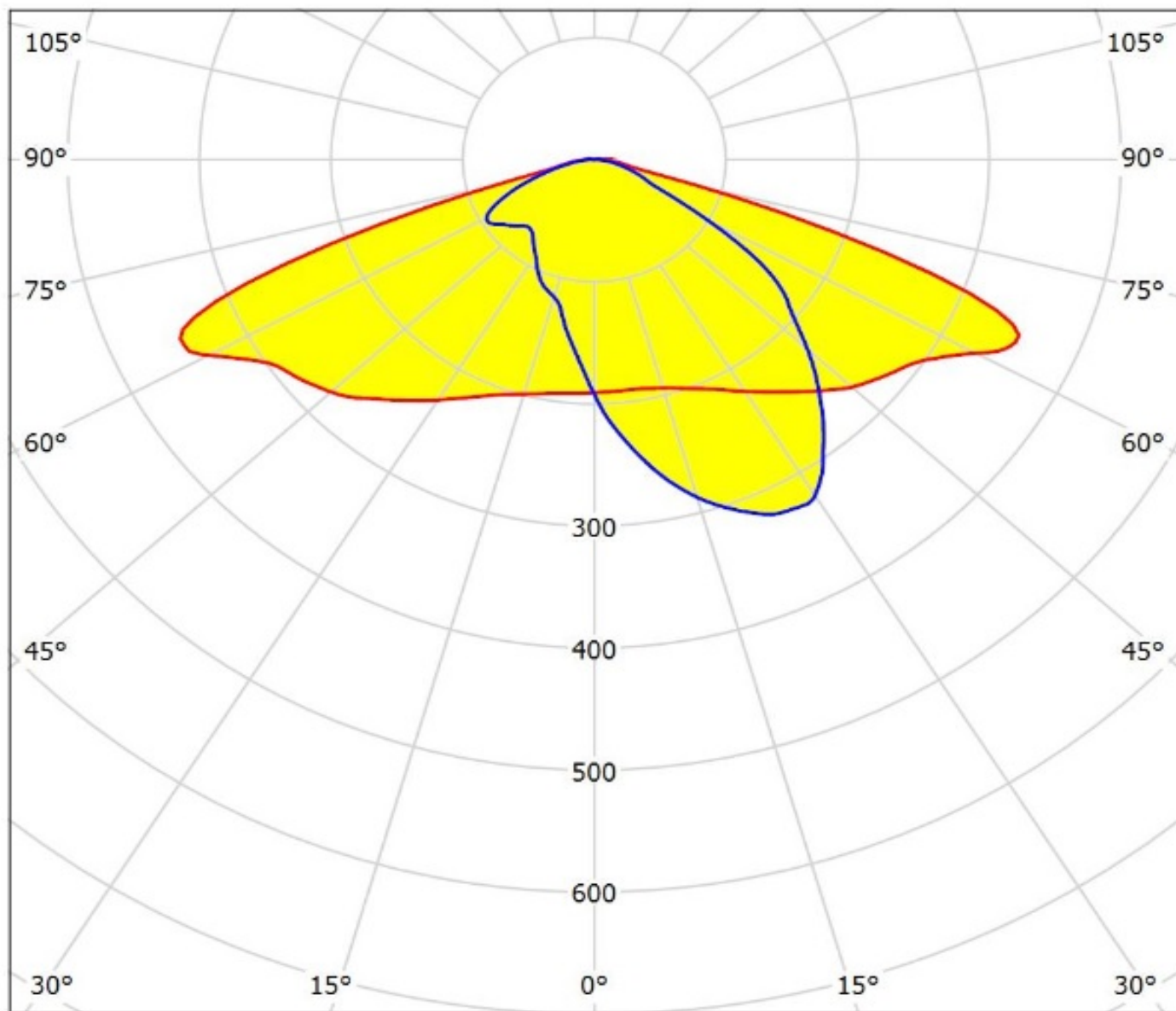
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy CS16102_STRADELLA-IP-28-T3_(NF2x757G)

Lamps: 1 x Nichia_NF2x757G_(NF2L757GRT-V1)_1005.33lm@150mA_P=5.81972W_U=38.824V



cd/klm

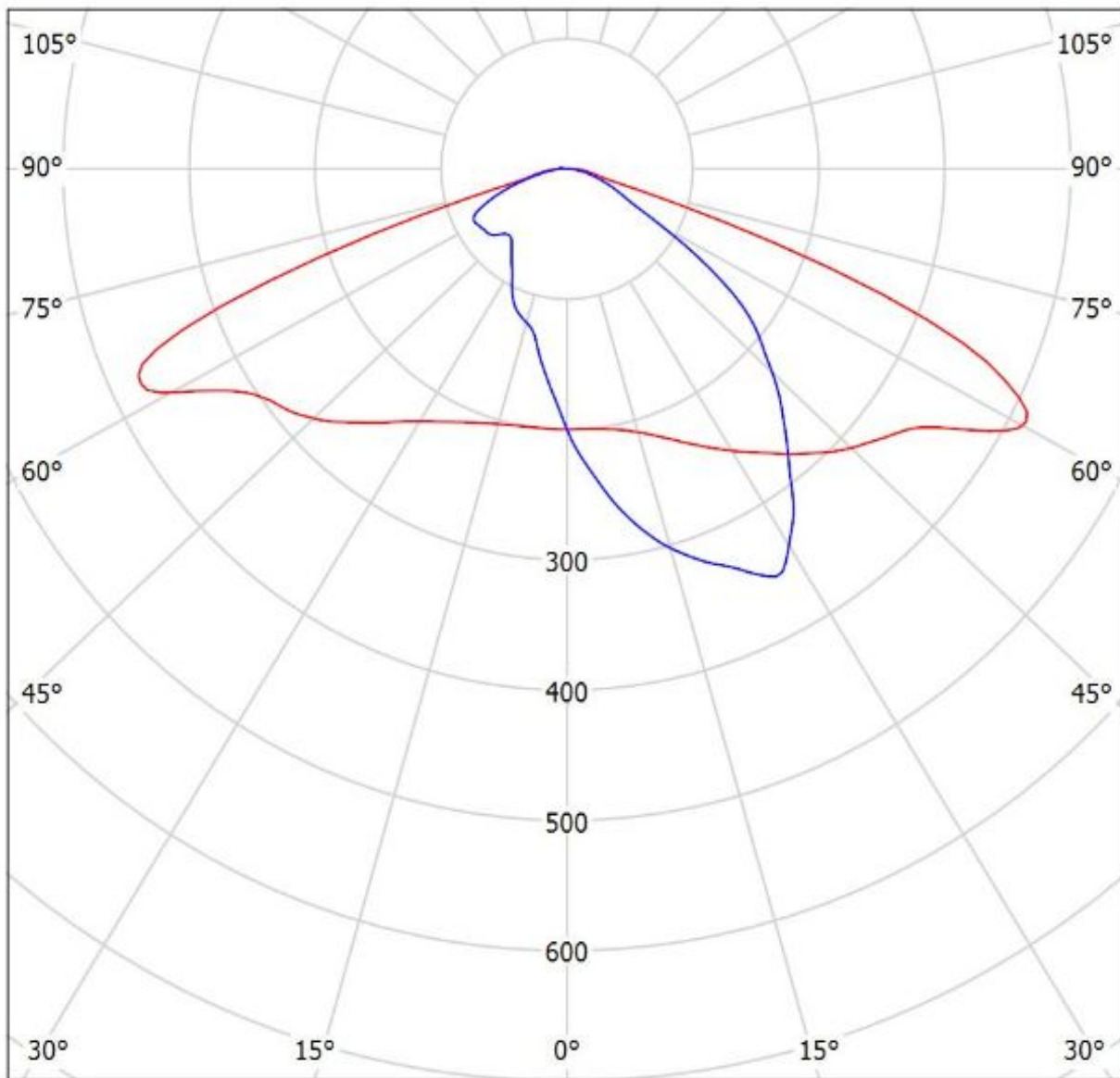
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil CS16102_STRADELLA-IP-28-T3_(Duris_S5)

Lamps: 1 x Osram_Duris_S5_Stradella28_(GW_PSLR32.EM-JQJS-A333-1)_786.457lm@250mA_P=4.90979W_I=0.250A

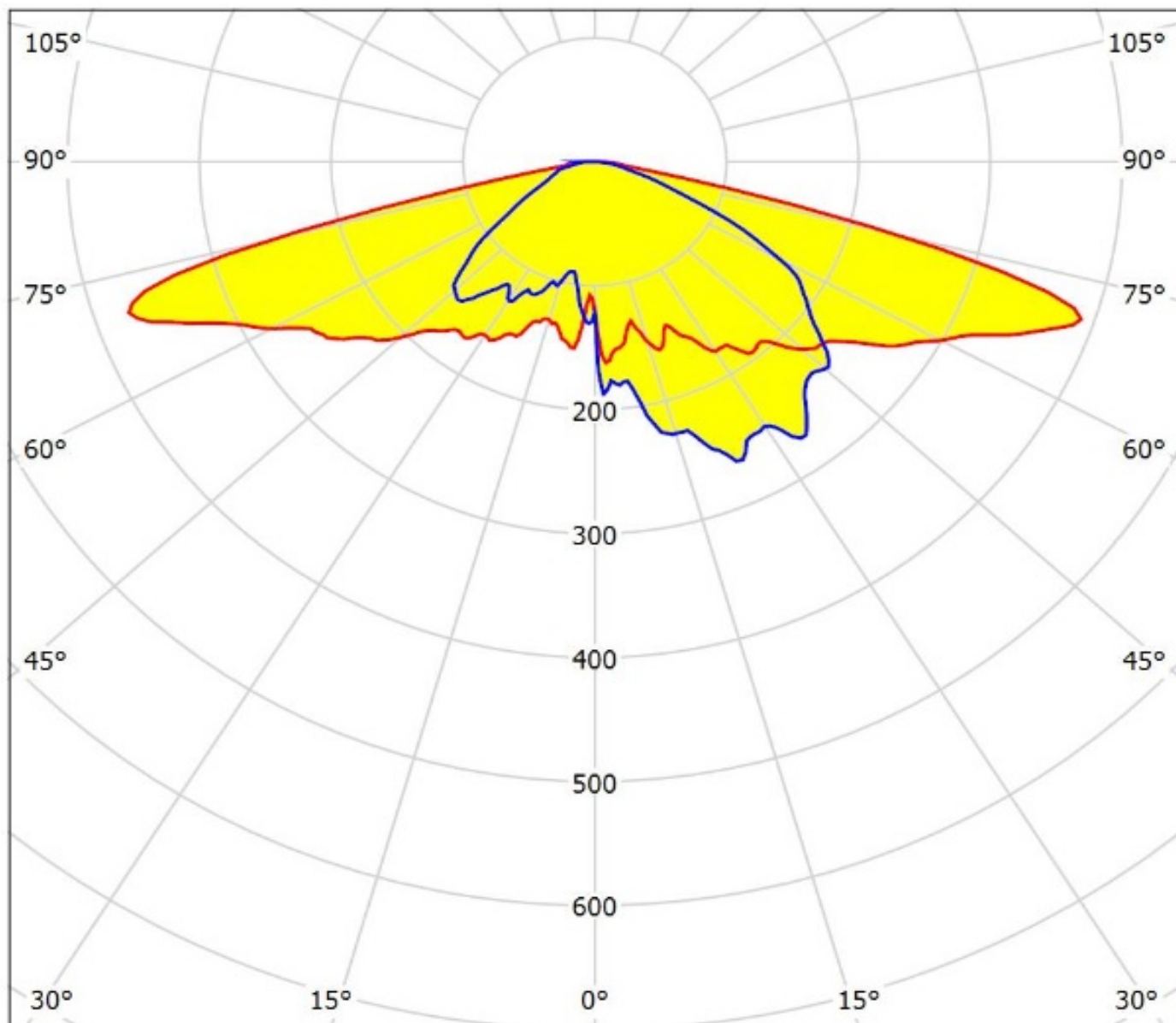


cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy CS16102_STRADELLA-IP-28-T3_(Oslon_SSL_150)_SIMULATED
Lamps: 1 x Osram Oslon SSL 150 - GW CSHPM1.PM



cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

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.