

DETAILS

| | |
|------------------------|---------------------|
| Product Number | F14112_FLORENCE-Z60 |
| Family | Florence |
| Type | Lens |
| Color | clear |
| Diameter | 286 x 61 mm |
| Height | 8,5 mm |
| Style | rectang |
| Optic Material | PMMA |
| Holder Material | |
| Fastening | screw |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 21/08/2017 |

OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|--|---------------|------------|------------|------------|-----------|
| 5630 (ASMU-LWG0-NxxE) | 60 deg | Very Wide | 91 % | 0.780 | - |
| TRIDINO R3 8x0 1100 1ft HV | 57 deg | Very Wide | 88 % | 0.820 | - |
| XH-B/G | 43 deg | Very Wide | 87 % | 0.860 | - |
| LG 5630 | 59 deg | Very Wide | 90 % | 0.790 | - |
| LG 6030 | 61 deg | Very Wide | 89 % | 0.733 | - |
| LG 7030 | sim: 65 | Very Wide | - | sim: 0.810 | - |
| LUXEON 3535 2D | 57 deg | Very Wide | 89 % | 0.822 | - |
| LUXEON 3030 2D | 57 deg | Very Wide | 88 % | 0.830 | - |
| LUXEON XR-3535L (L202 - xxxx033C30691) | 59 deg | Very Wide | 93 % | 0.830 | - |
| LUXEON 3535L HE | 58 deg | Very Wide | 93 % | 0.800 | - |
| MP-2016 | 58 deg | Very Wide | 91 % | 0.830 | - |
| NF2x757D | 58 deg | Very Wide | 92 % | 0.847 | - |
| NF2x757G | sim: 62 | Very Wide | sim: 91 % | sim: 0.800 | - |
| NVSxE21A | sim: 70 | Very Wide | sim: 87 % | sim: 0.680 | - |
| Duris S5 (Single chip) | 58 deg | Very Wide | 89 % | 0.820 | - |
| Duris E5 | 59 deg | Very Wide | 89 % | 0.800 | - |
| PLG2-BAR-1100-xxx-280x55-DC | 57 deg | Very Wide | 88 % | 0.810 | - |
| Duris S2 | 55 deg | Very Wide | 90 % | 0.760 | - |
| Duris E 2835 | sim: 50 | Very Wide | sim: 92 % | sim: 0.950 | - |
| Oslon Square Gen3 | 56 deg | Very Wide | 93 % | 0.810 | - |
| Fortimo LED Line 1ft 650lm 8x0 3R xV2/58deg | 58 deg | Very Wide | 90 % | 0.790 | - |
| Fortimo LED Line 1ft 1100lm xx0 3R xV2/61deg | 61 deg | Very Wide | 89 % | 0.733 | - |
| Fortimo LED Line 1ft 2000lm 8xx 3R HV263 deg | 263 deg | Very Wide | 93 % | 0.700 | - |
| LM231 A/B | 56 deg | Very Wide | 89 % | 0.880 | - |
| LM561B | 59 deg | Very Wide | 86 % | 0.770 | - |





PRODUCT DATASHEET

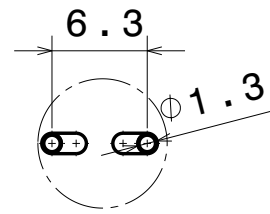
Florence series

last update 21/8/2017

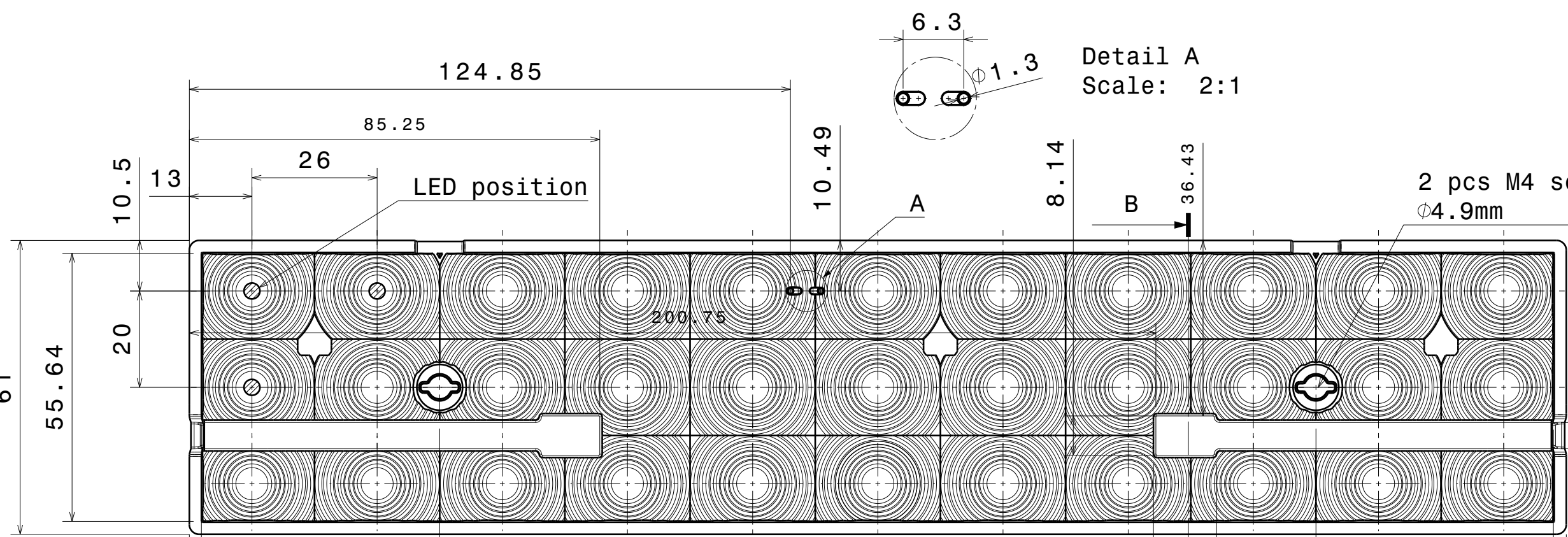
OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|-------------------------------|---------------|------------|------------|------------|-----------|
| LM362A | 59 deg | Very Wide | 85 % | 0.766 | - |
| LT-R286A | 58 deg | Very Wide | 93 % | 0.810 | - |
| LM561B Plus | 59 deg | Very Wide | 93 % | 0.800 | - |
| LM561C | 59 deg | Very Wide | 93 % | 0.800 | - |
| LM28xB Series | sim: 66 | Very Wide | sim: 94 % | sim: 0.810 | - |
| SEOUL 5630C | sim: 67 | Very Wide | sim: 91 % | sim: 0.760 | - |
| SEOUL 5630D | sim: 65 | Very Wide | sim: 91 % | sim: 0.840 | - |
| Z8Y22 | sim: 62 | Very Wide | sim: 93 % | sim: 0.750 | - |
| STARK LLE-55-280-1650 CLASSIC | 59 deg | Very Wide | 91 % | 0.780 | - |

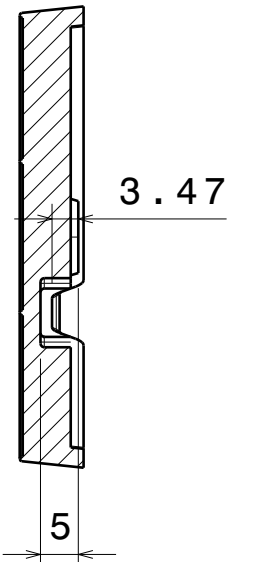
H G F E D C B A



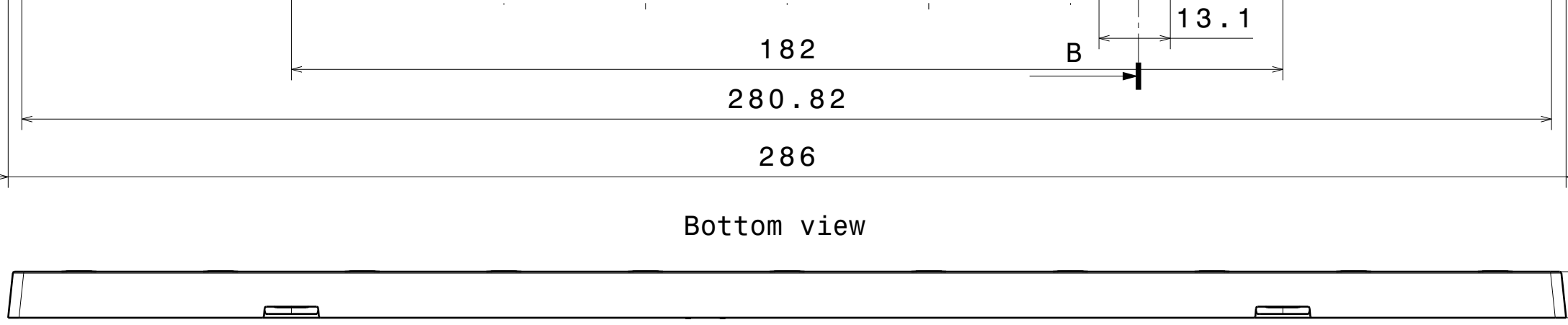
Detail A
Scale: 2:1



2 pcs M4 screws
Ø4.9mm



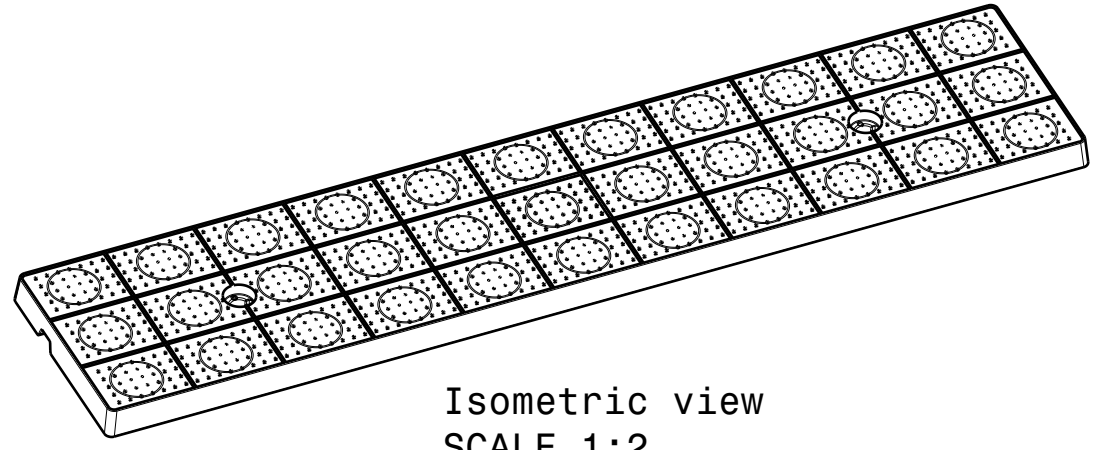
Section view B-B
Scale: 1:1



Bottom view



Front view



Isometric view
SCALE 1:2

| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|--------------|----------|--------|
| 1 | F14112 | FLORENCE-Z60 | PMMA | |

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 LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
F14112_FLORENCE-Z60

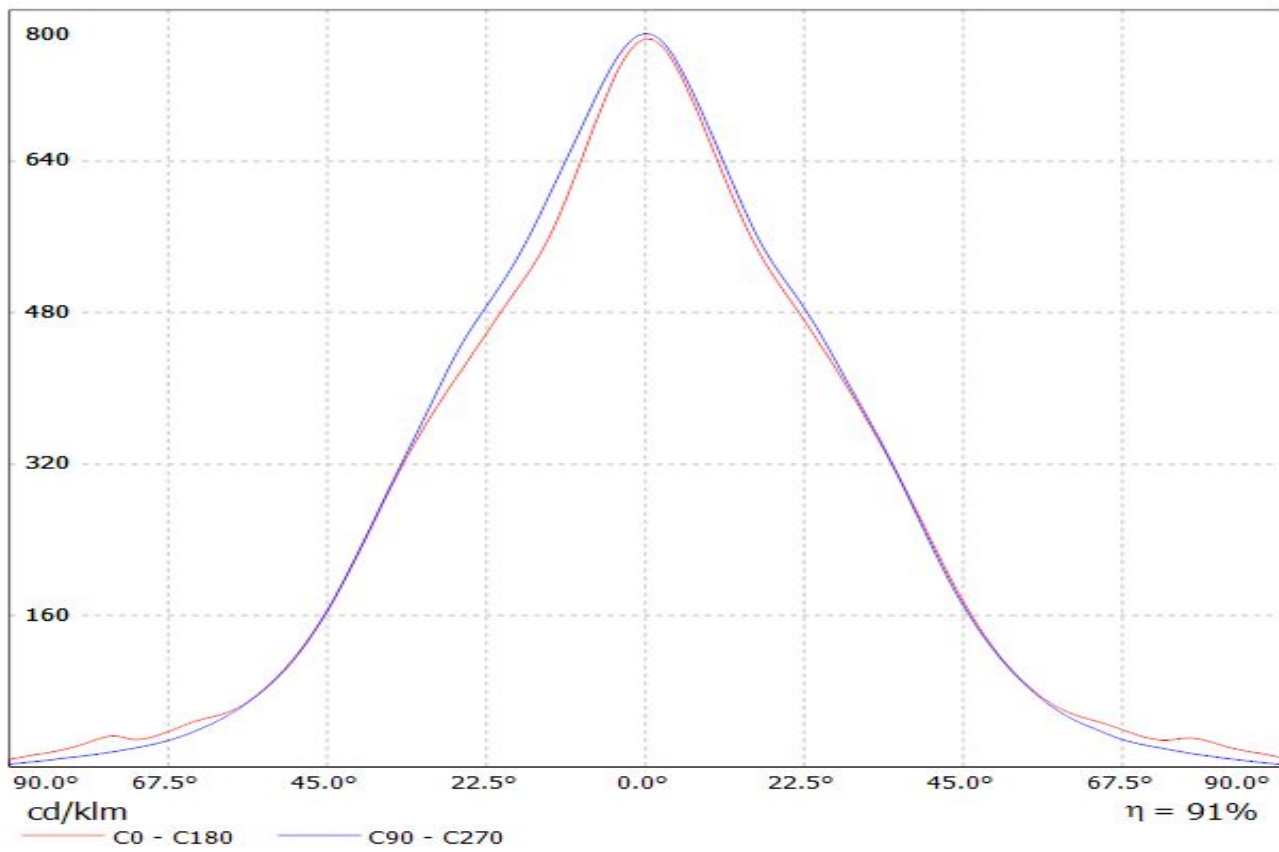
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

| SIZE | PART NUMBER |
|------|-------------|
| A3 | F14112 |

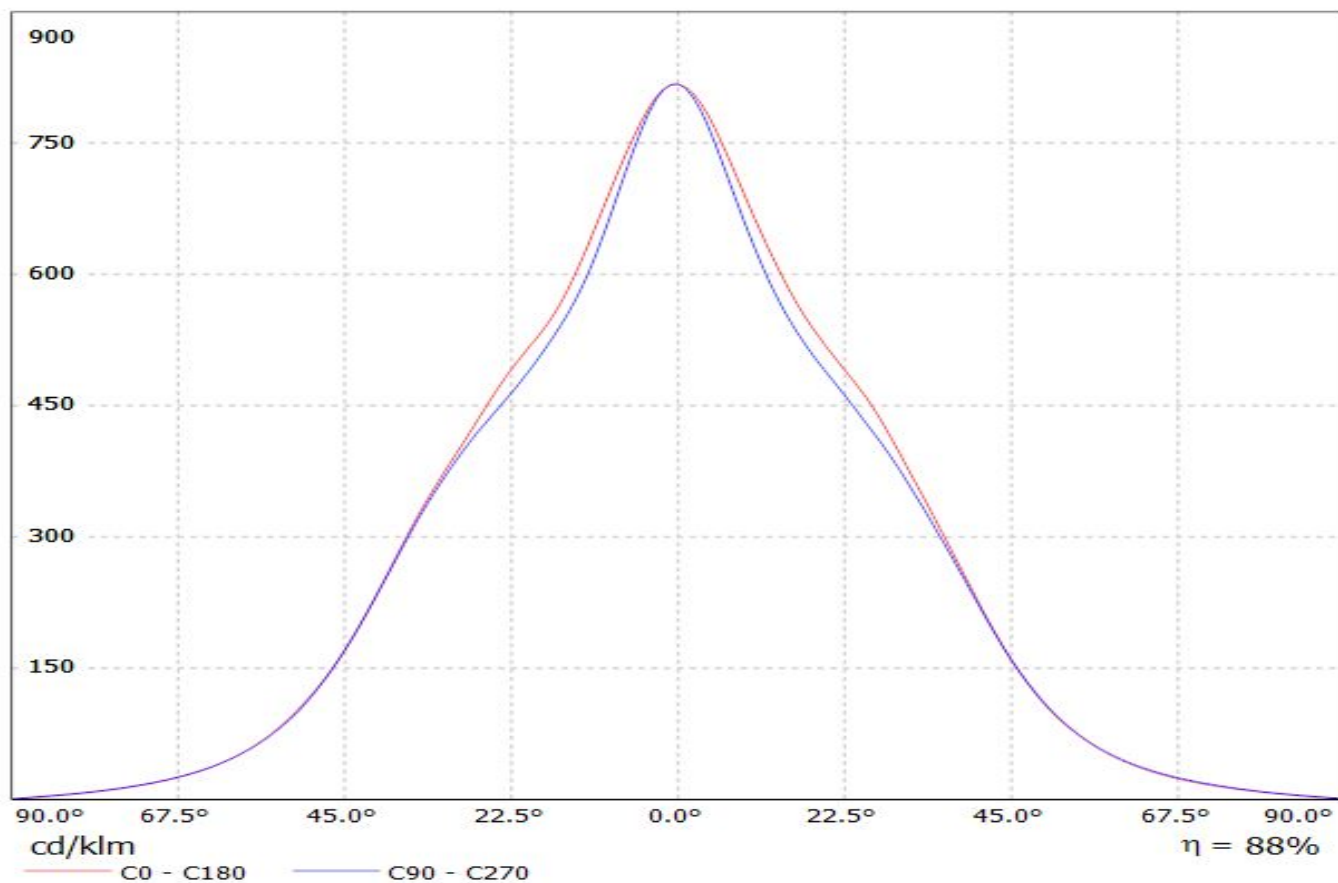
| SCALE | 1:1 | WEIGHT | 88 g | SHEET | 1/1 |
|-------|-----|--------|------|-------|-----|
|-------|-----|--------|------|-------|-----|

H G B A

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

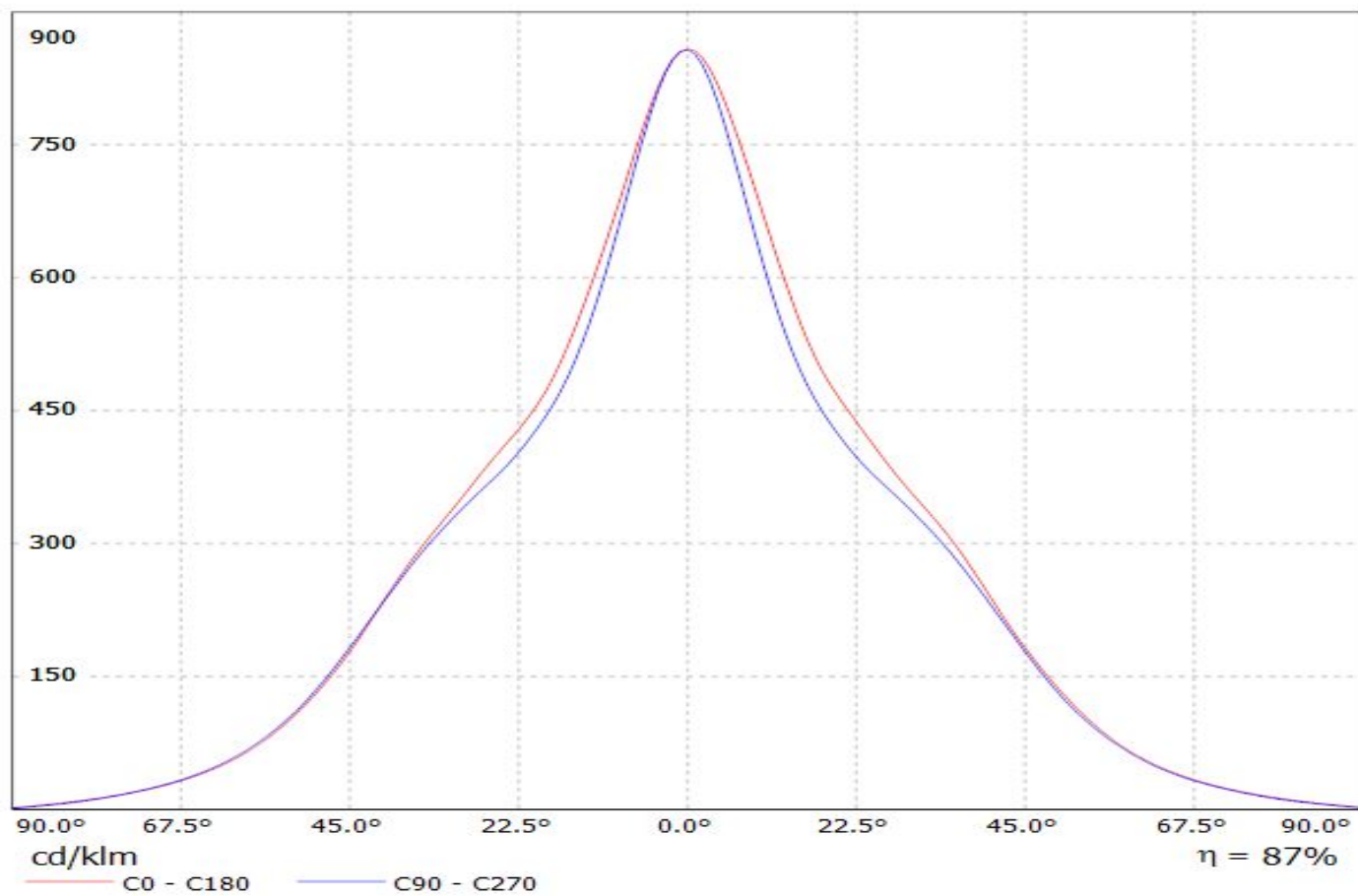


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronic sin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A



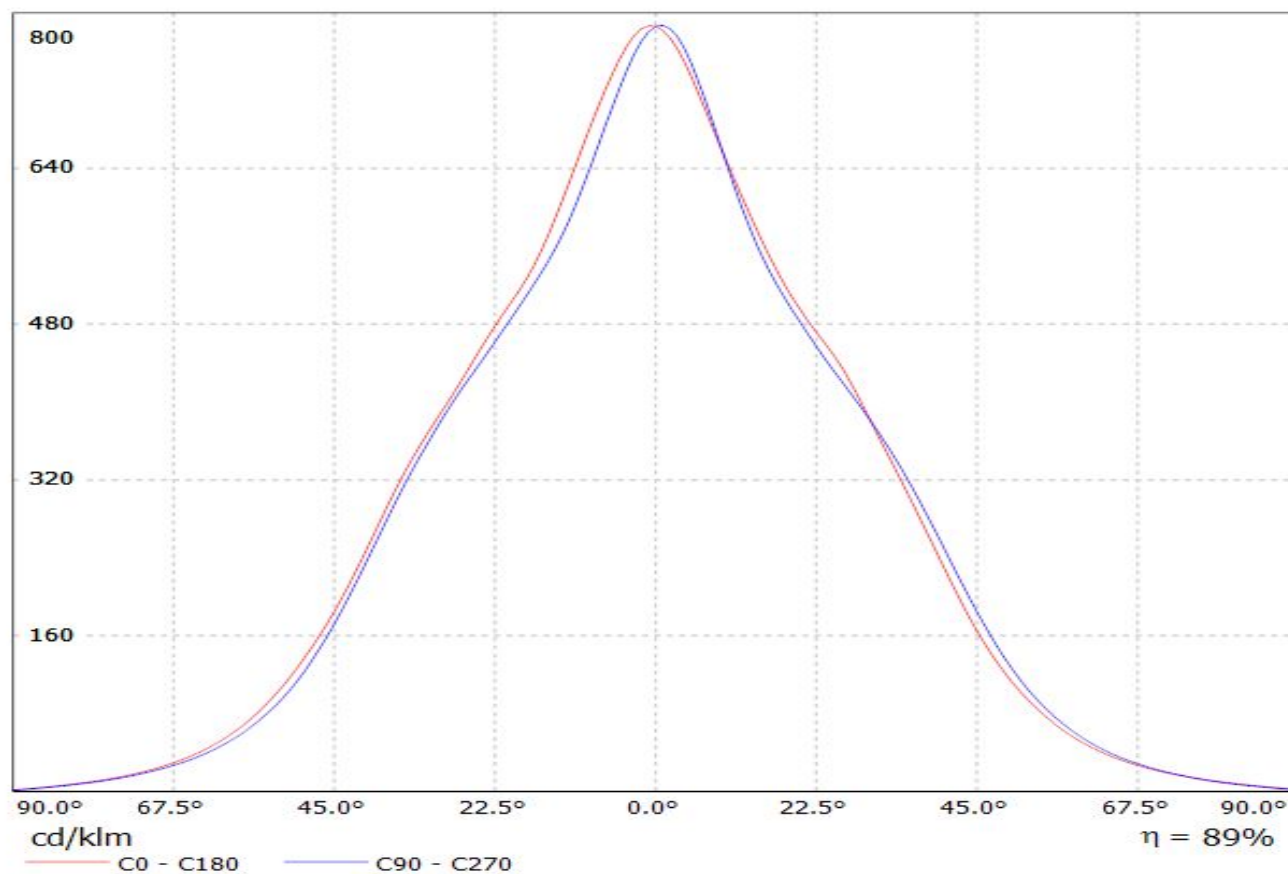
Luminaire: LEDiL Oy F14112_Florence-Z60_(XH-G) Eff.87.4%

Lamps: 1 x CREE_XH-G_(XHGAWT-0-7B4-J30-0H-0001)_1055.65lm@250mA_P=8.1195W_I=249.8mA

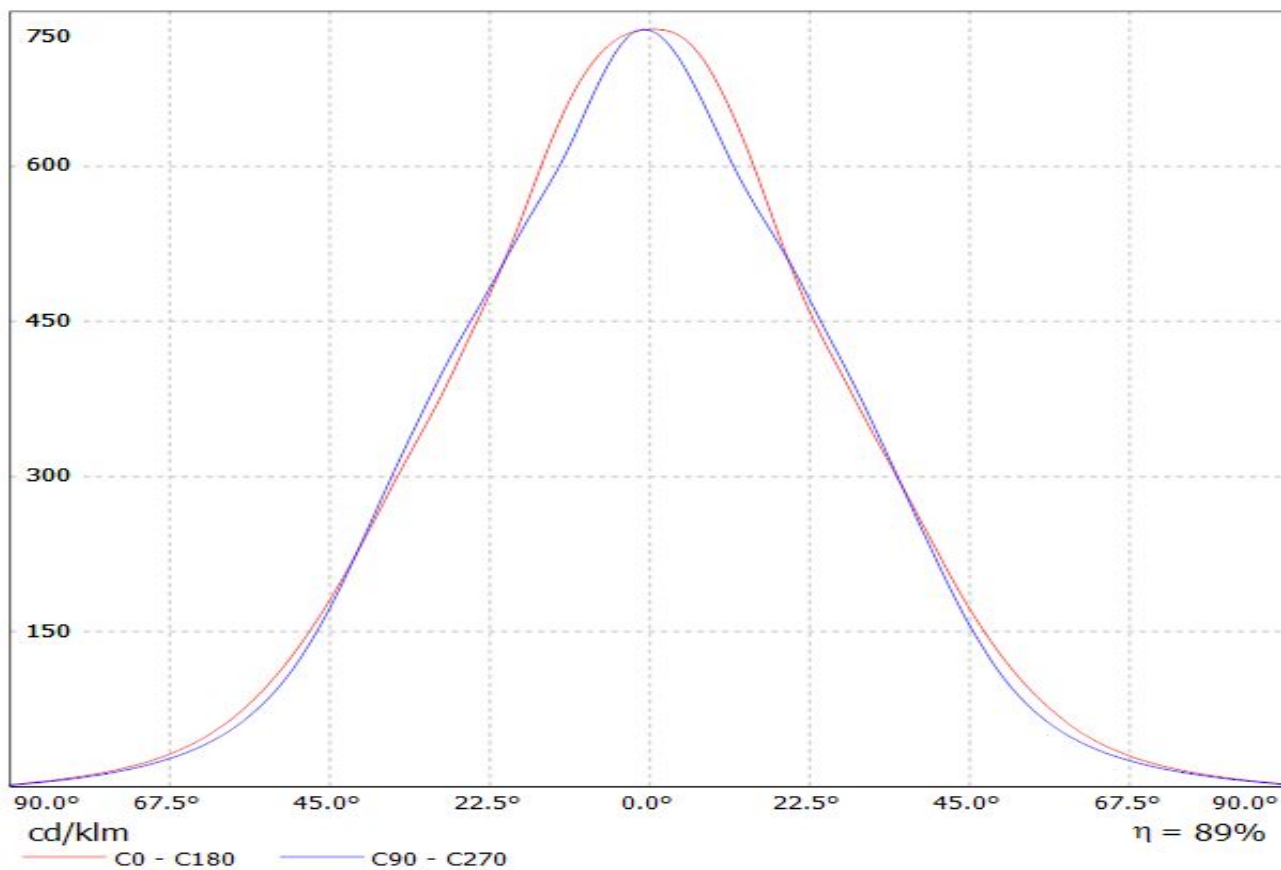


Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

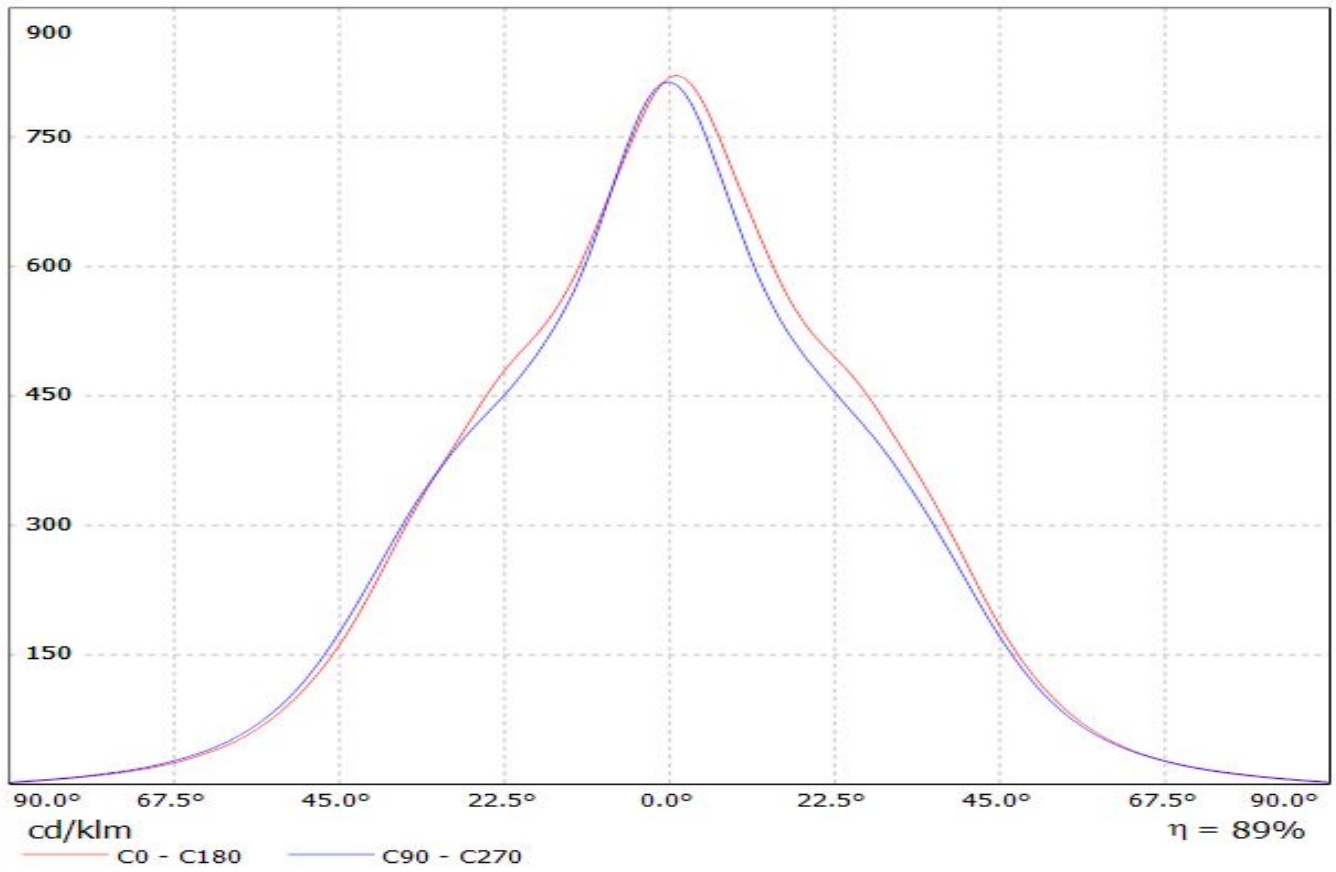
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1011.03lm@250mA P=8.41224W I=250.7mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LG_6030) Eff 89.0%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA

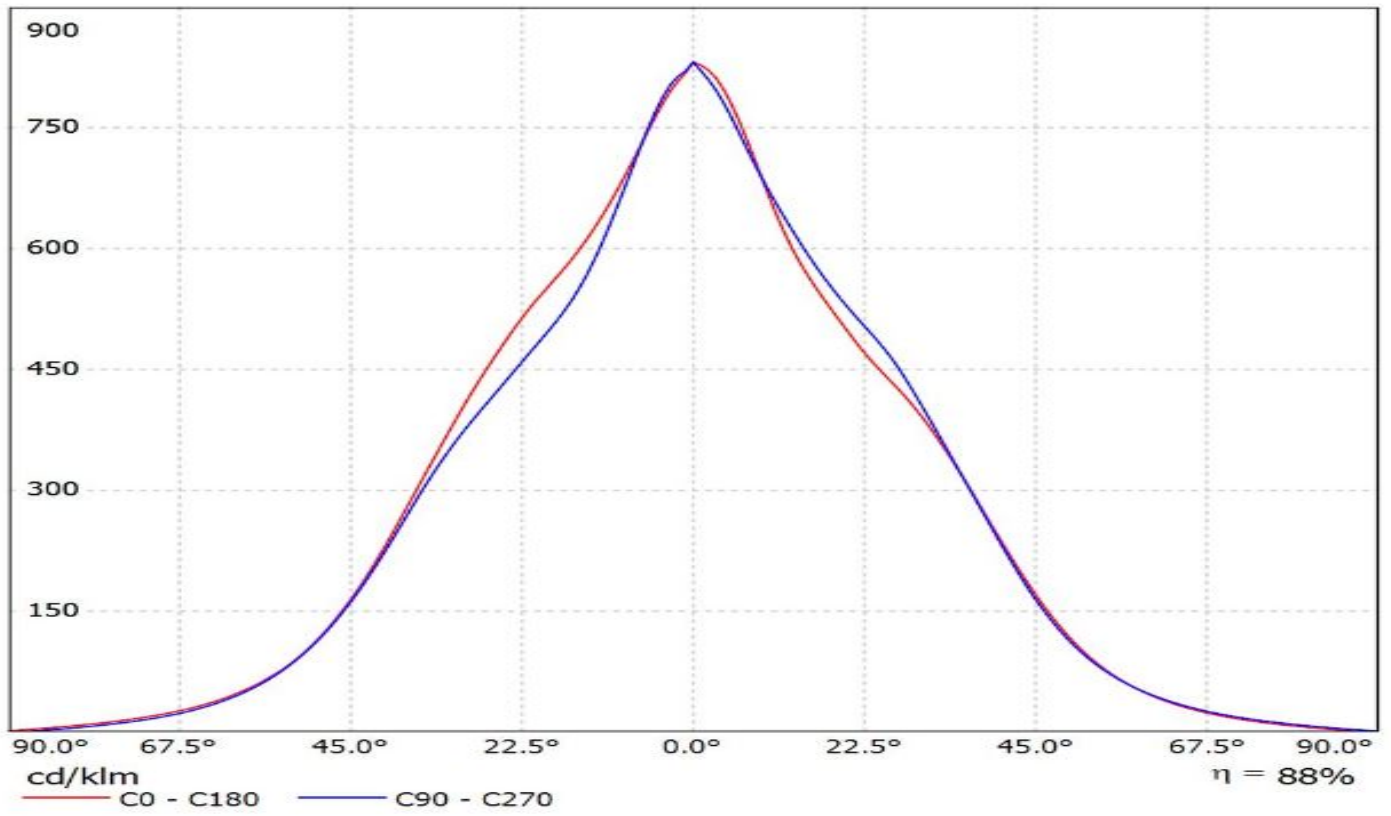


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LUXEON_3535_2D) Eff.88.8%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA



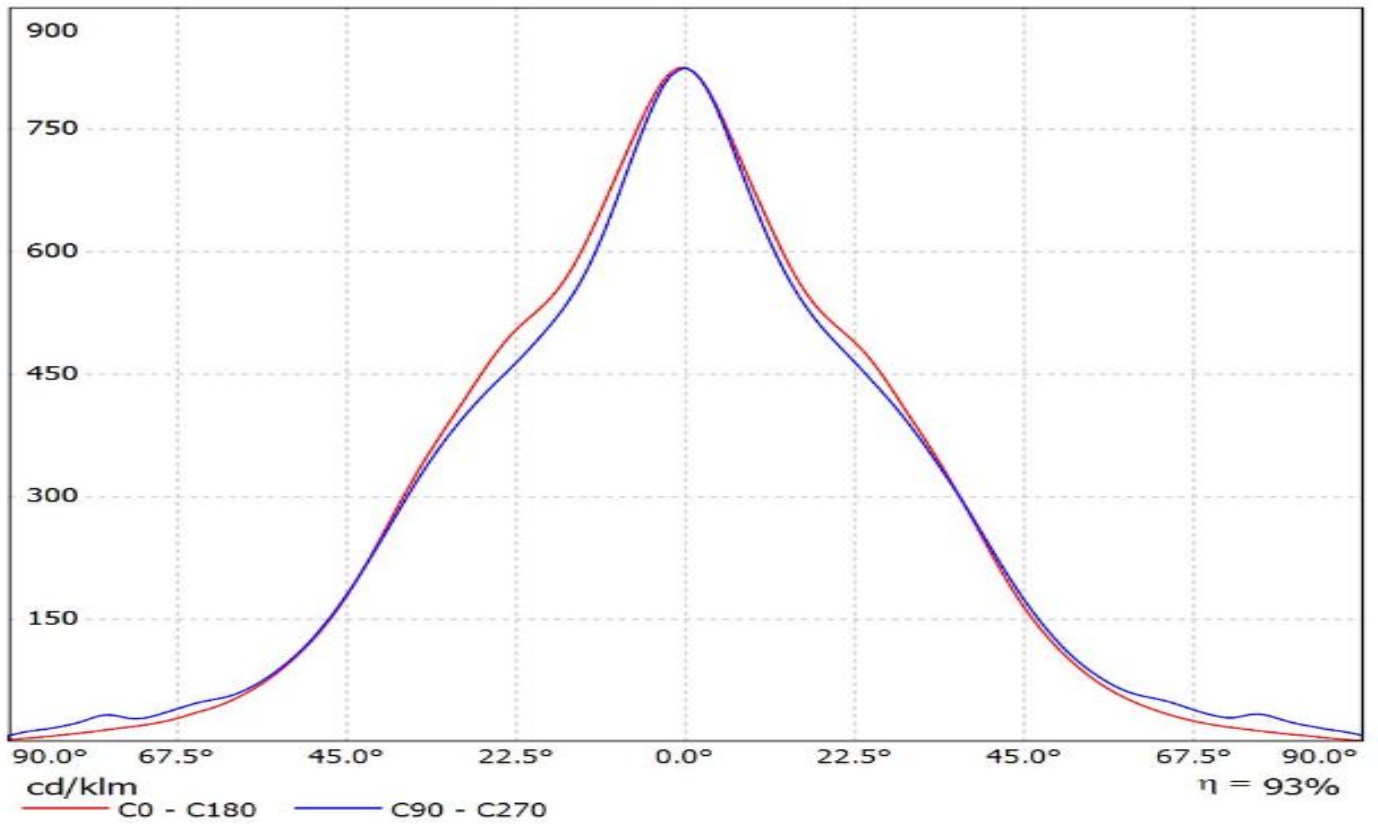
Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A

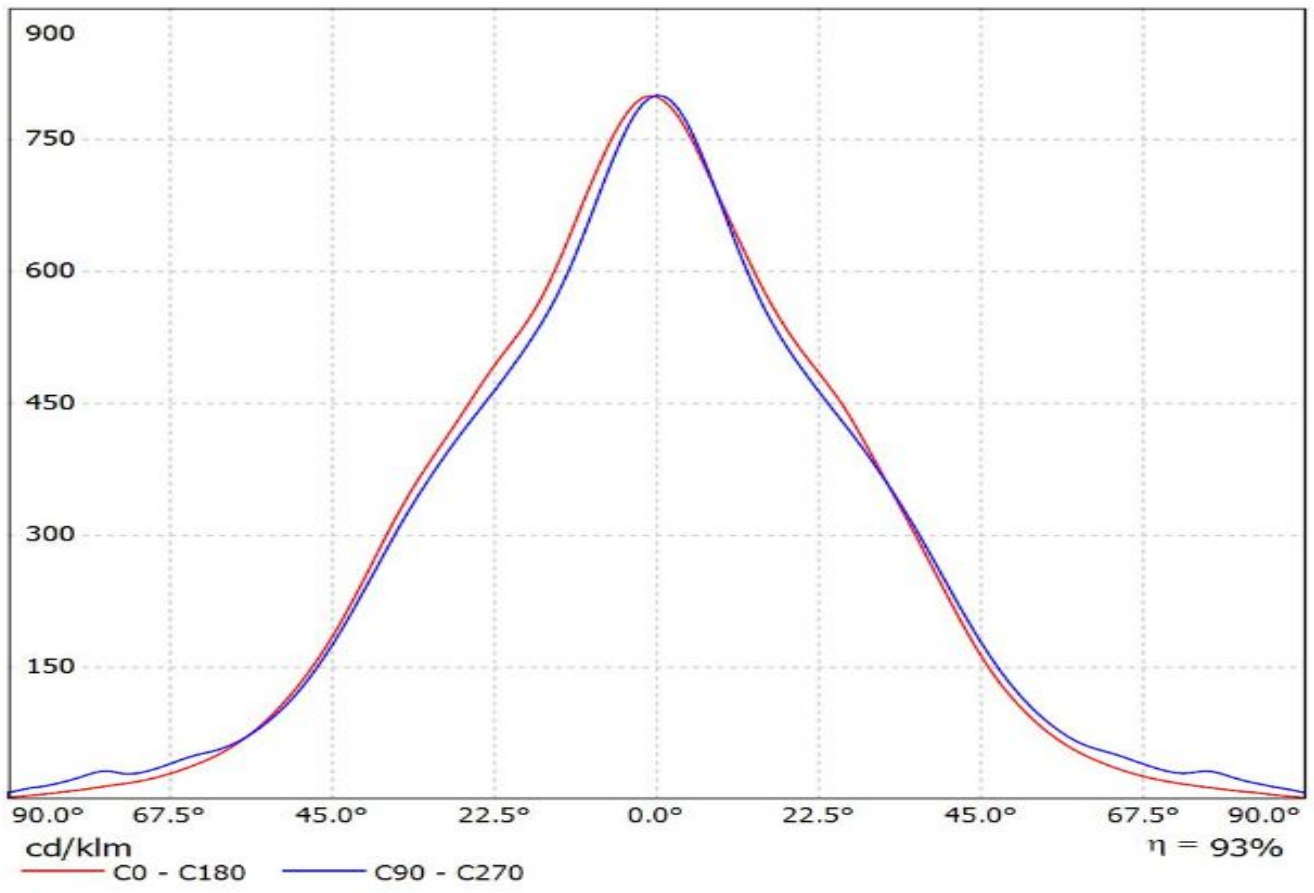


Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



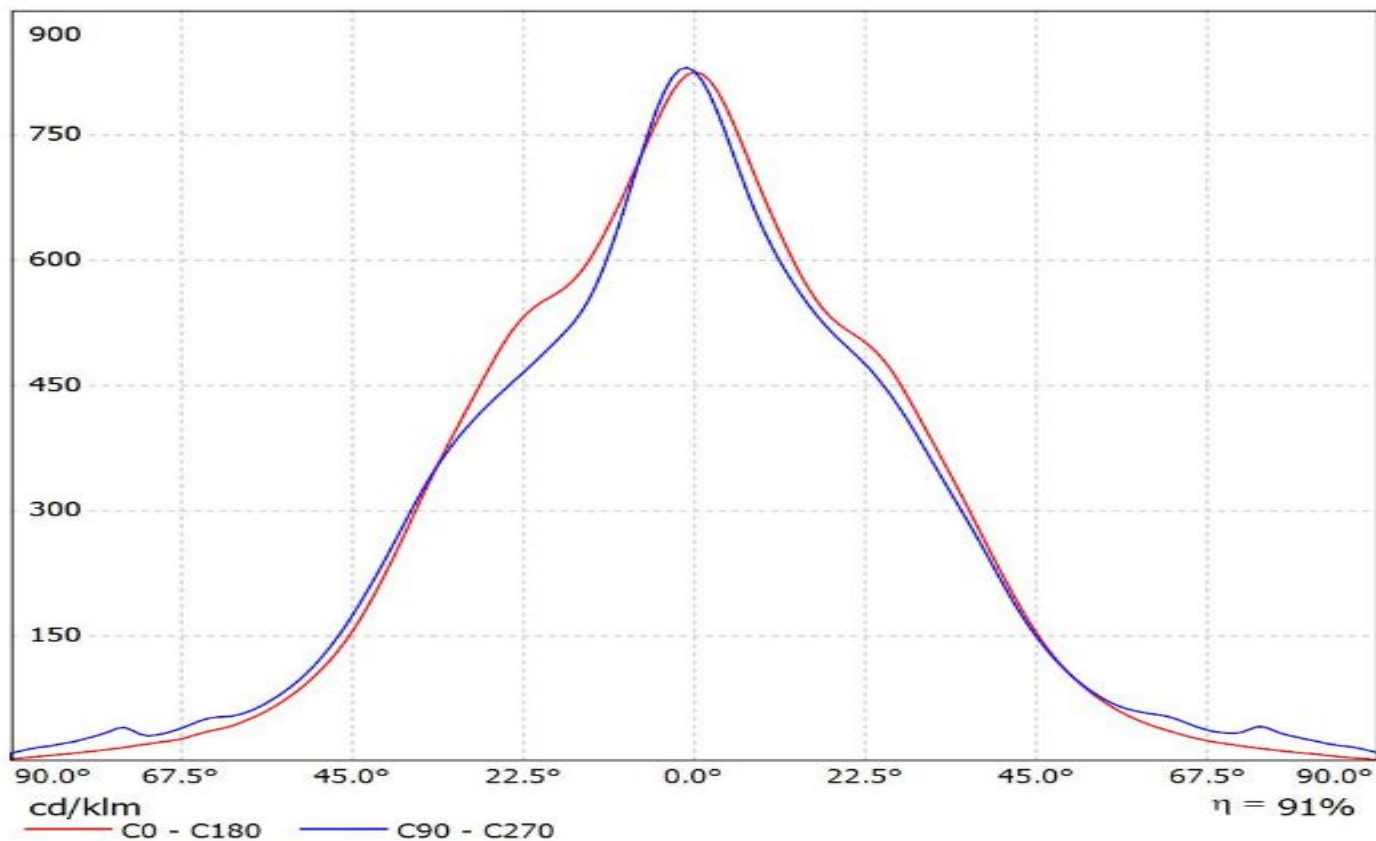
Luminaire: Ledil F14112_FLORENCE-Z60 (Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A



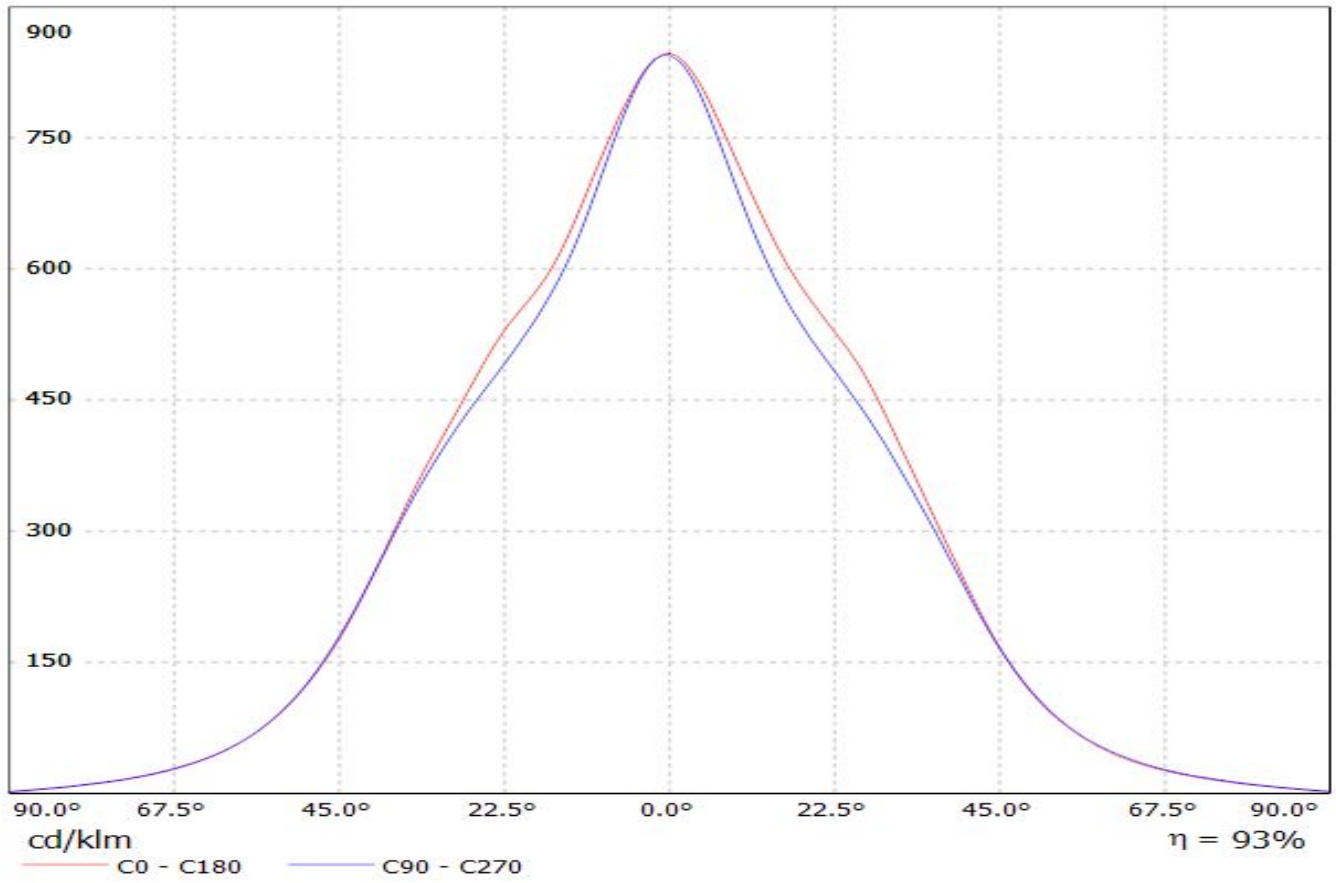
Ledil F14112_FLORENCE-Z60_(MP-2016) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(MP-2016)

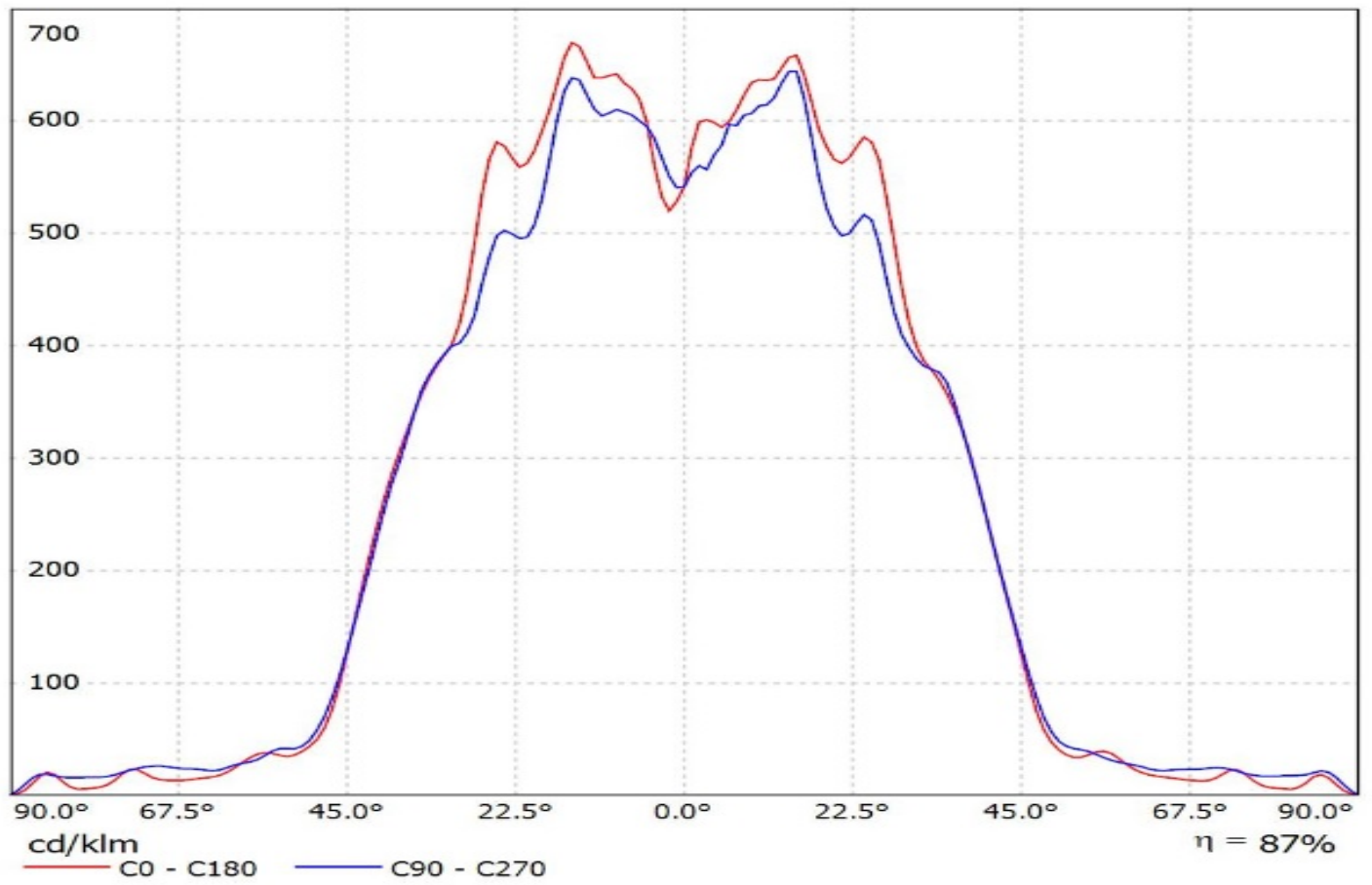
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



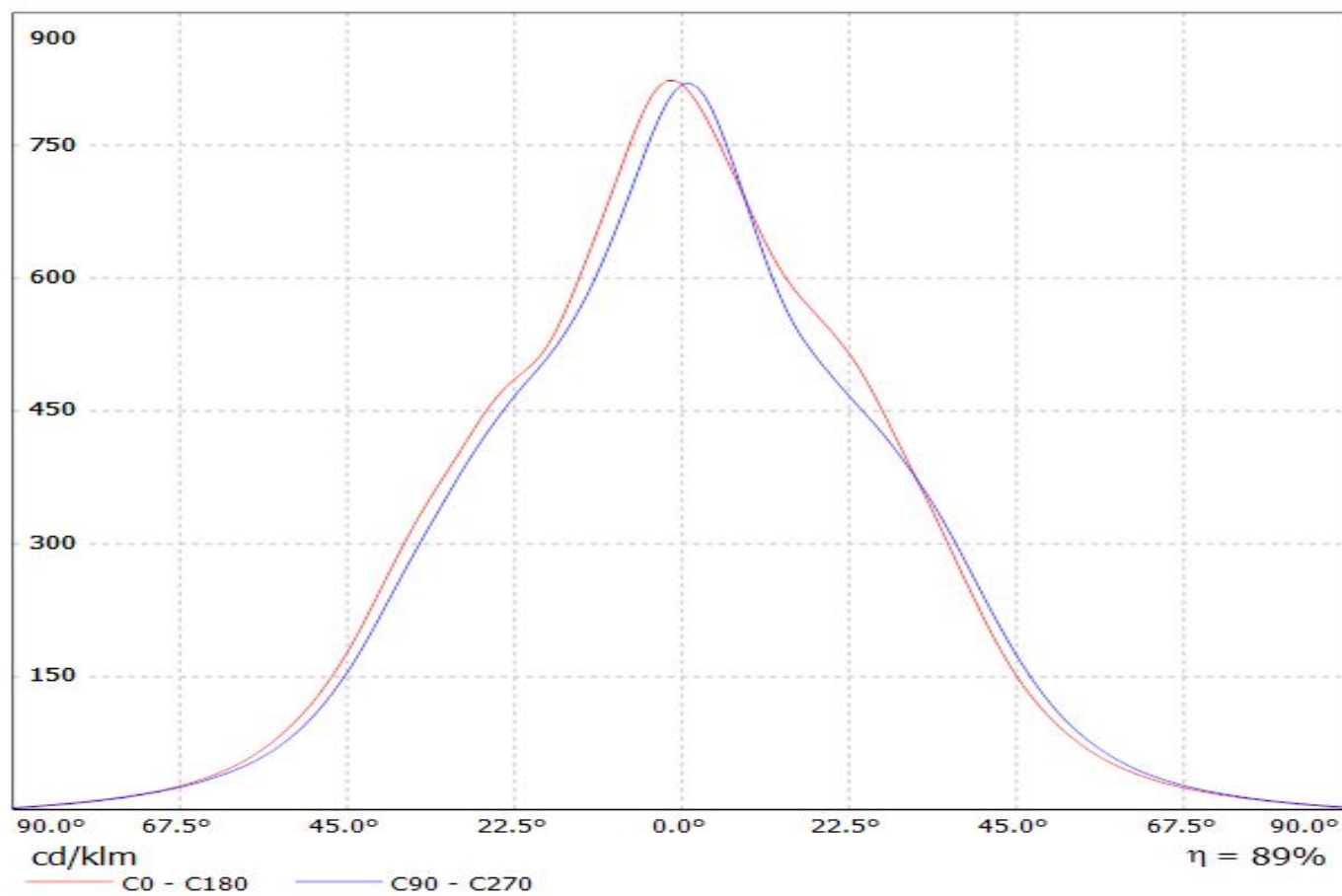
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Nichia757)
Lamps: 1 x NICHIA_757 (NT2W757DRT) 1387lm@150mA



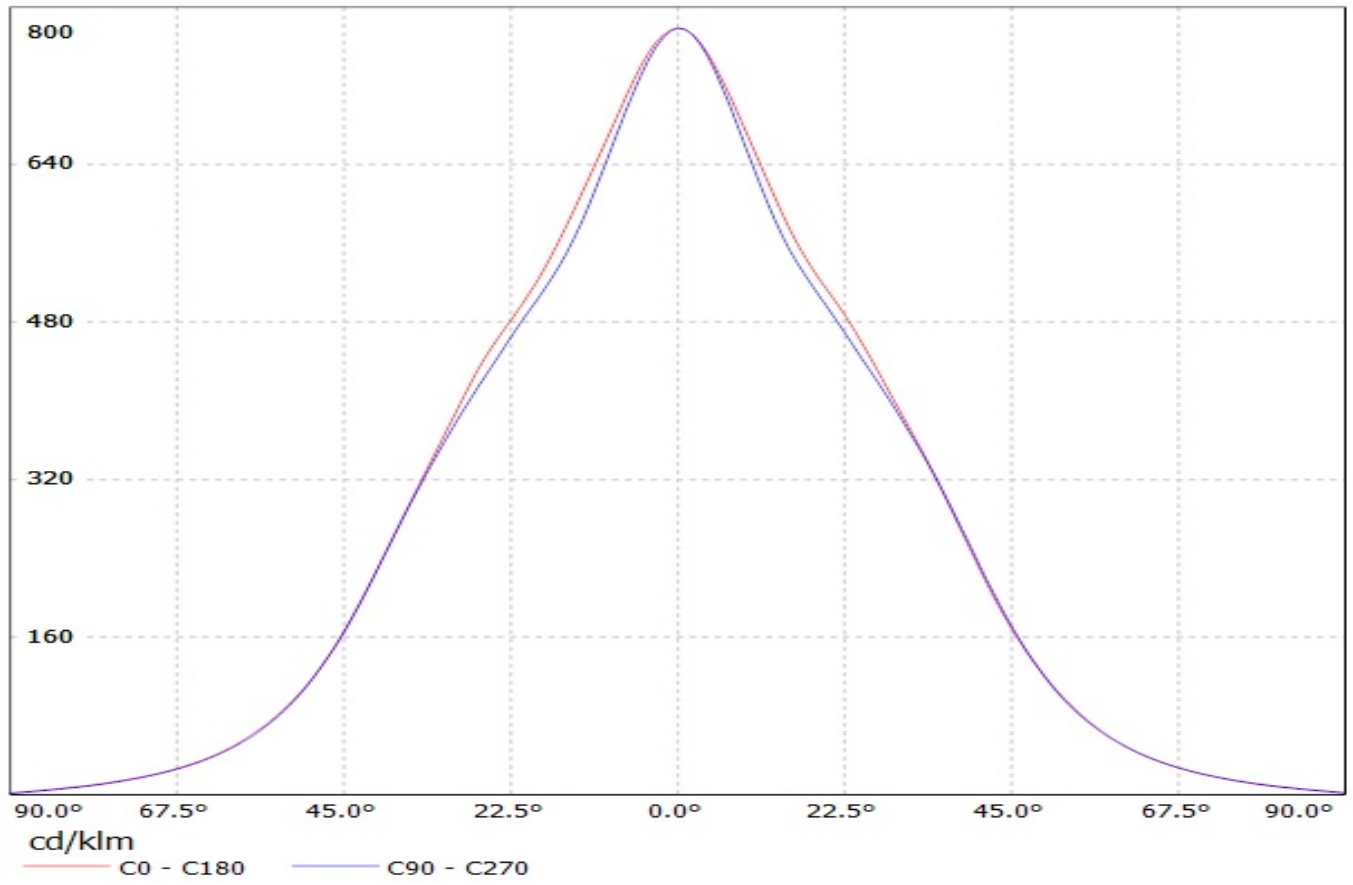
Luminaire: Ledil Oy F14112_FLORENCE-Z60_NVSLE21A_SIMULATED
Lamps: 1 x NICHIA NVSLE21A



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_S5) Eff.88.8%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

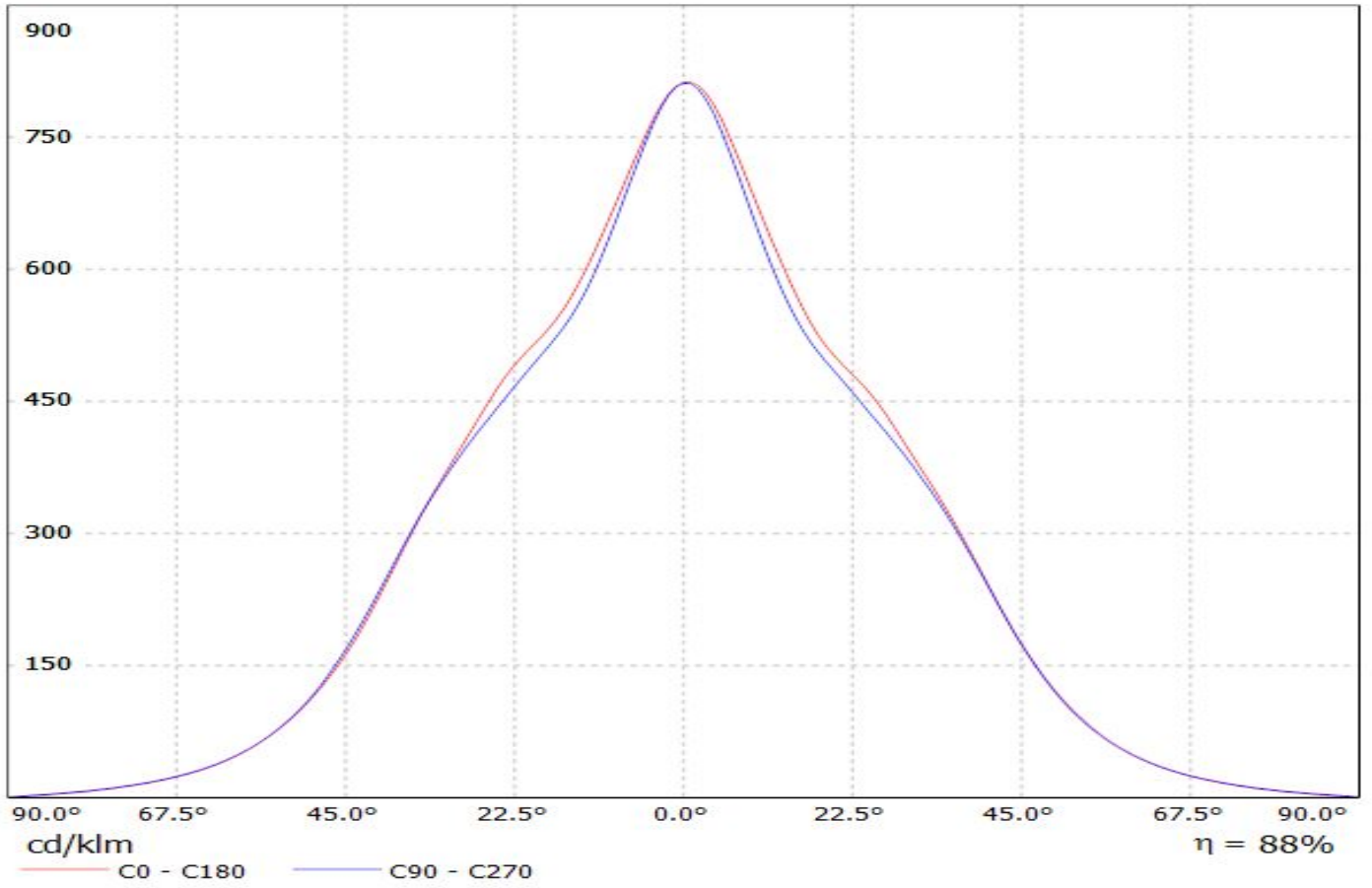


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_E5) Eff. 89%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA

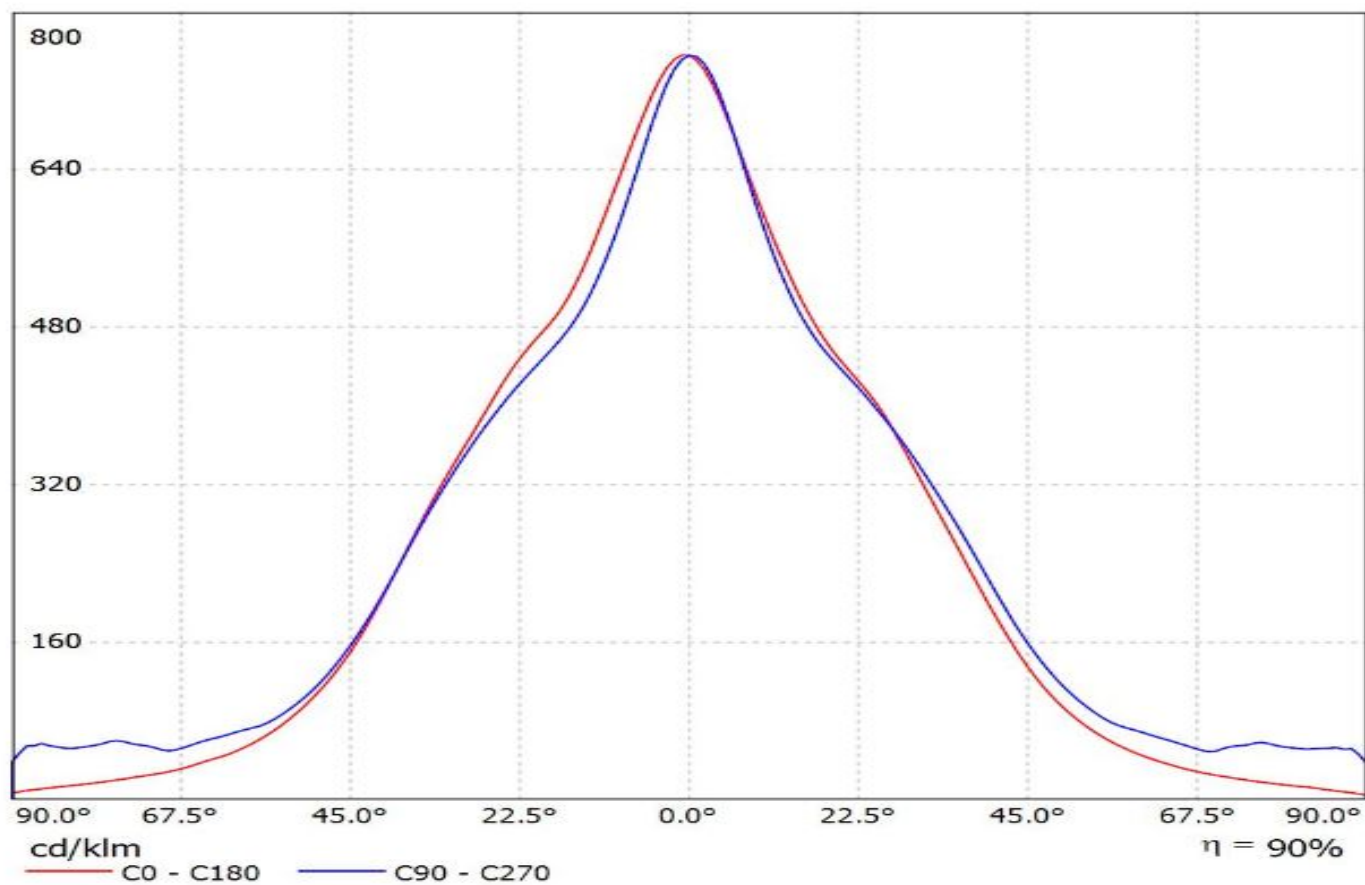


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Osram_PLG2-BAR)

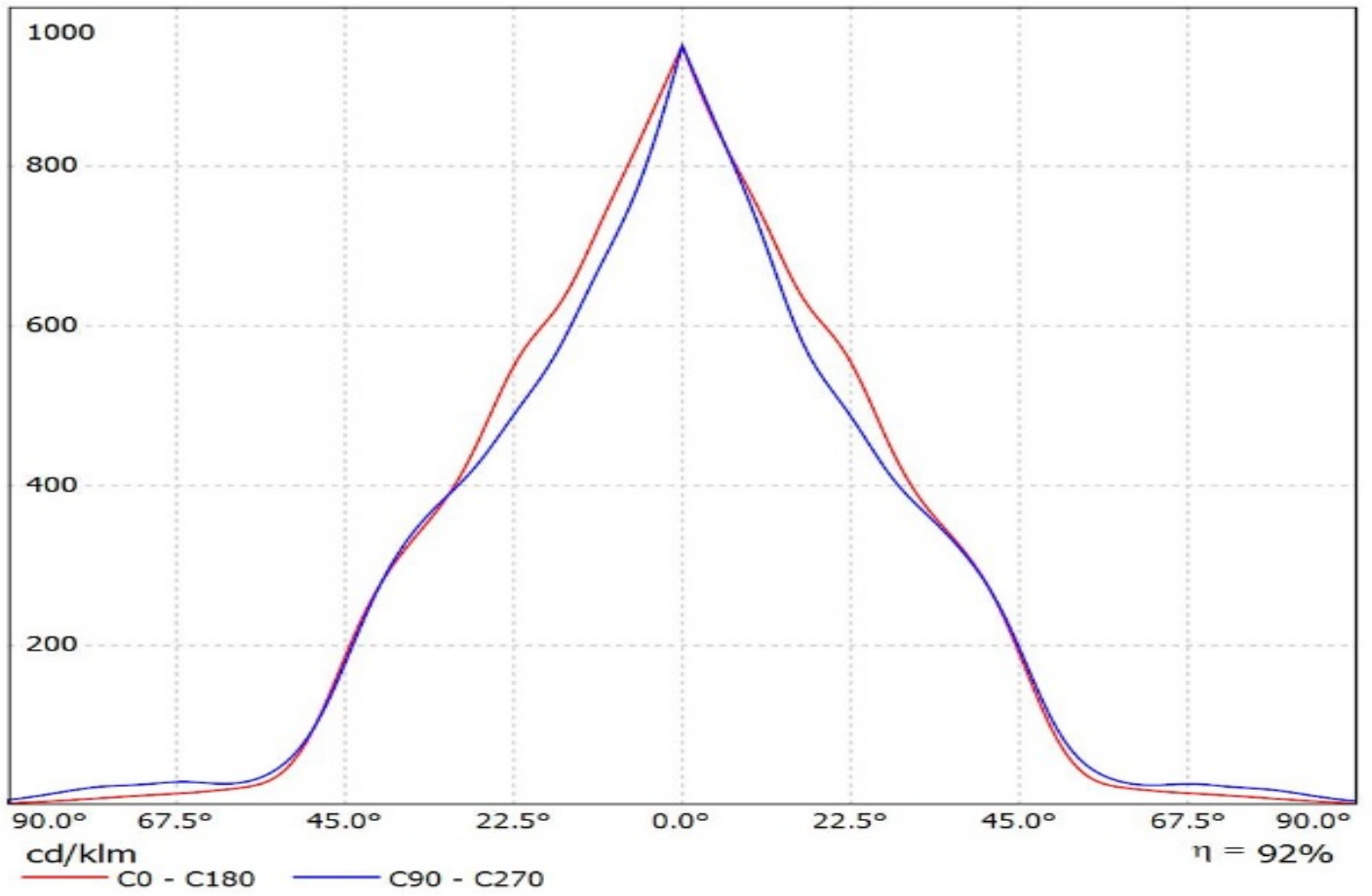
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A



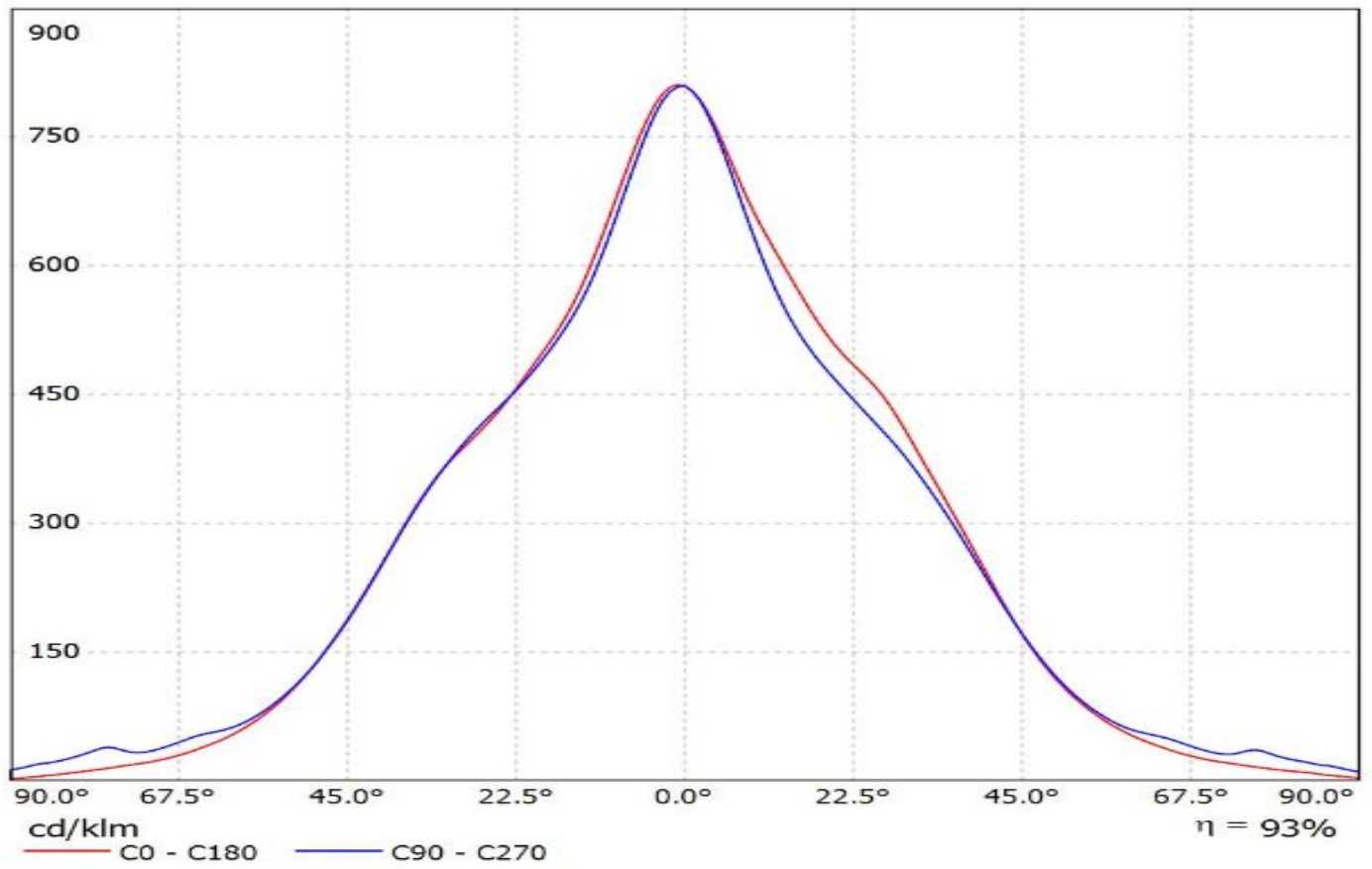
Luminaire: Ledil F14112_FLORENCE-Z60_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW_SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A



Luminaire: Ledil Oy F14112_FLORENCE-Z60_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM

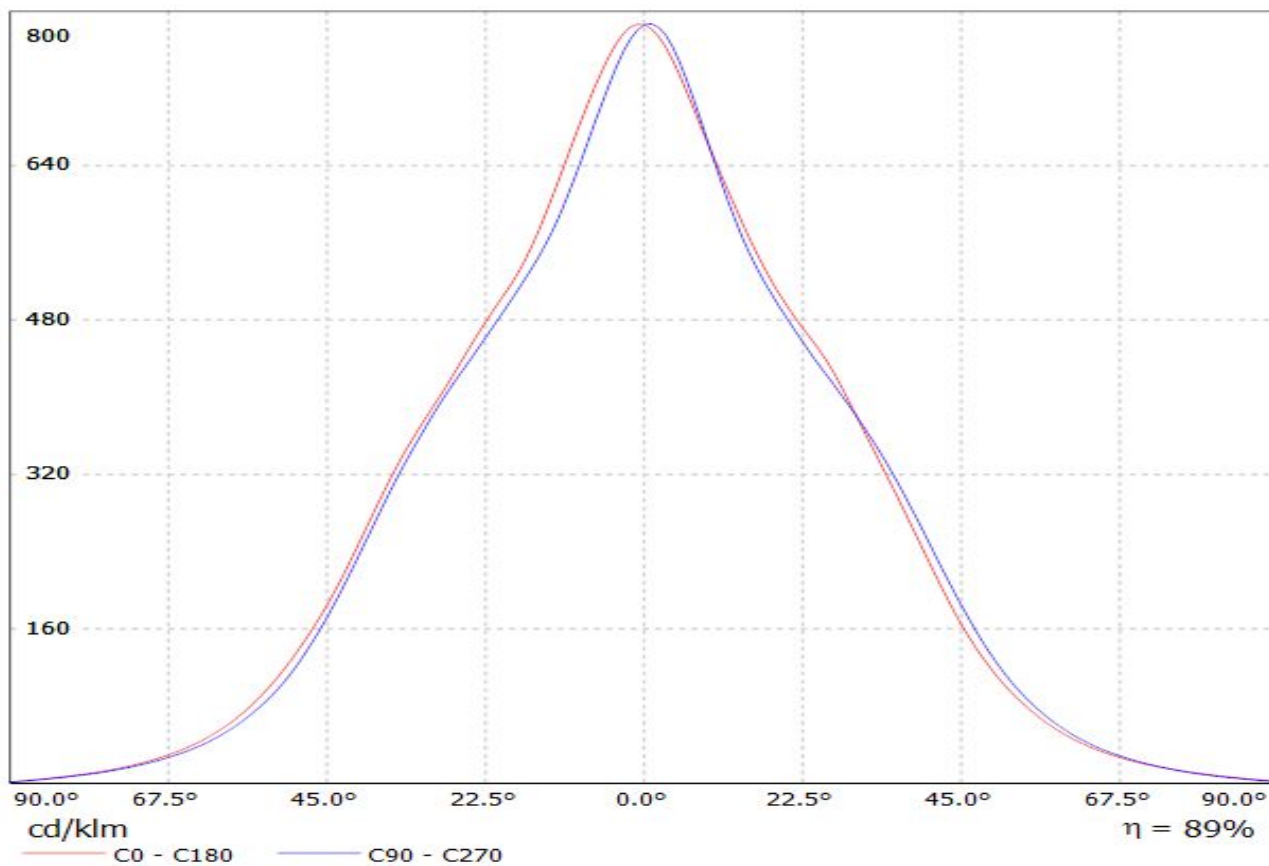


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A

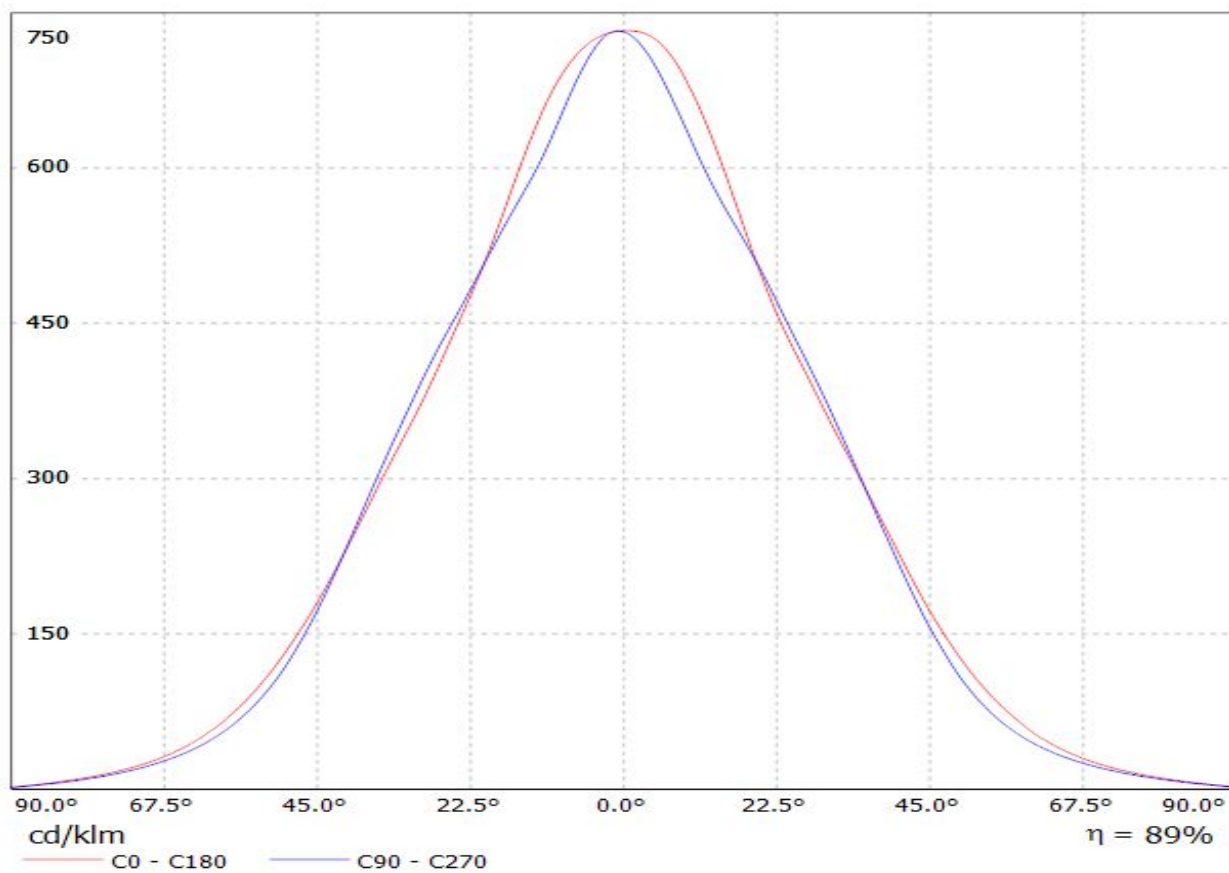


Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

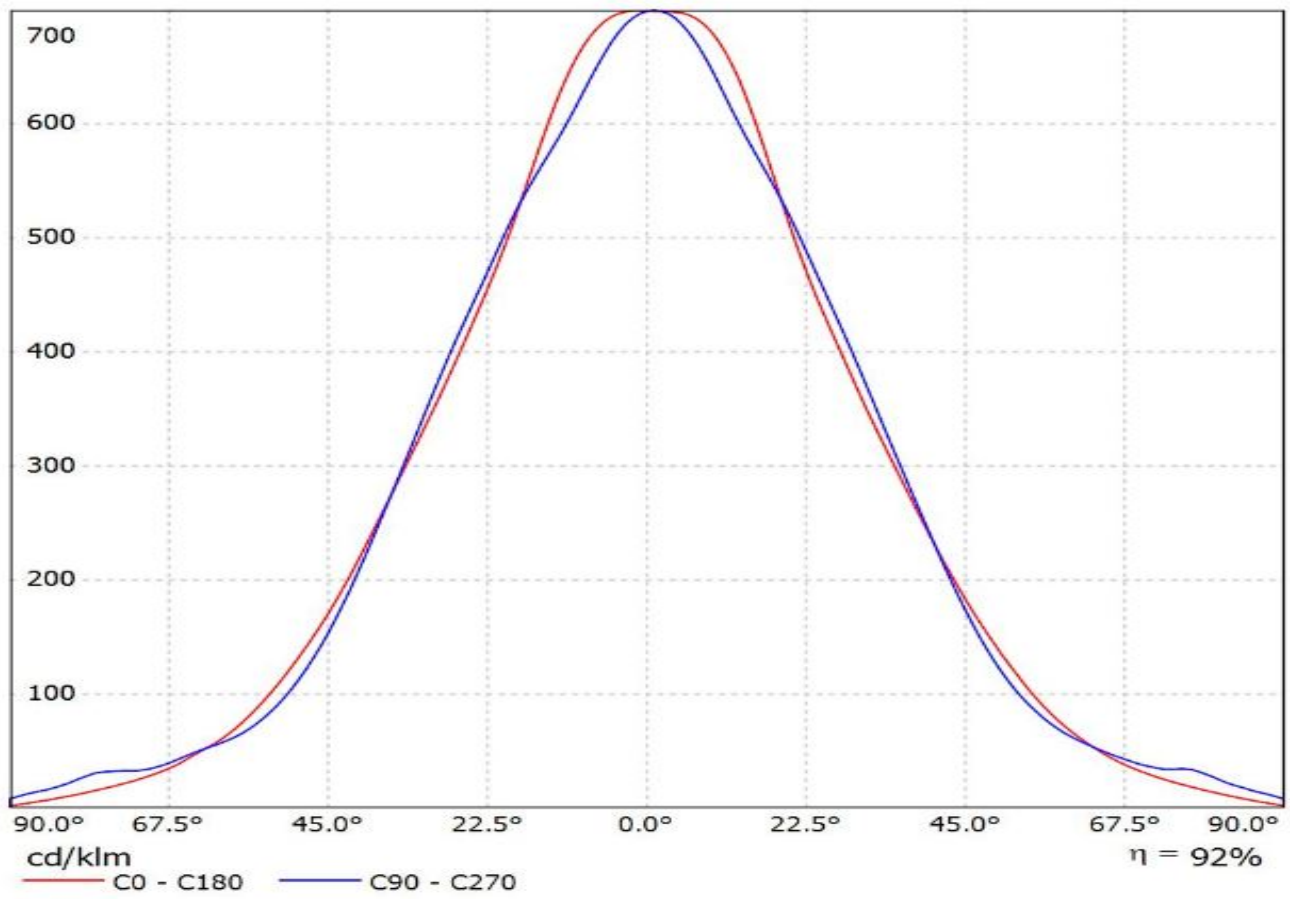
Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1011.03lm@250mA P=8.41224W I=250.7mA



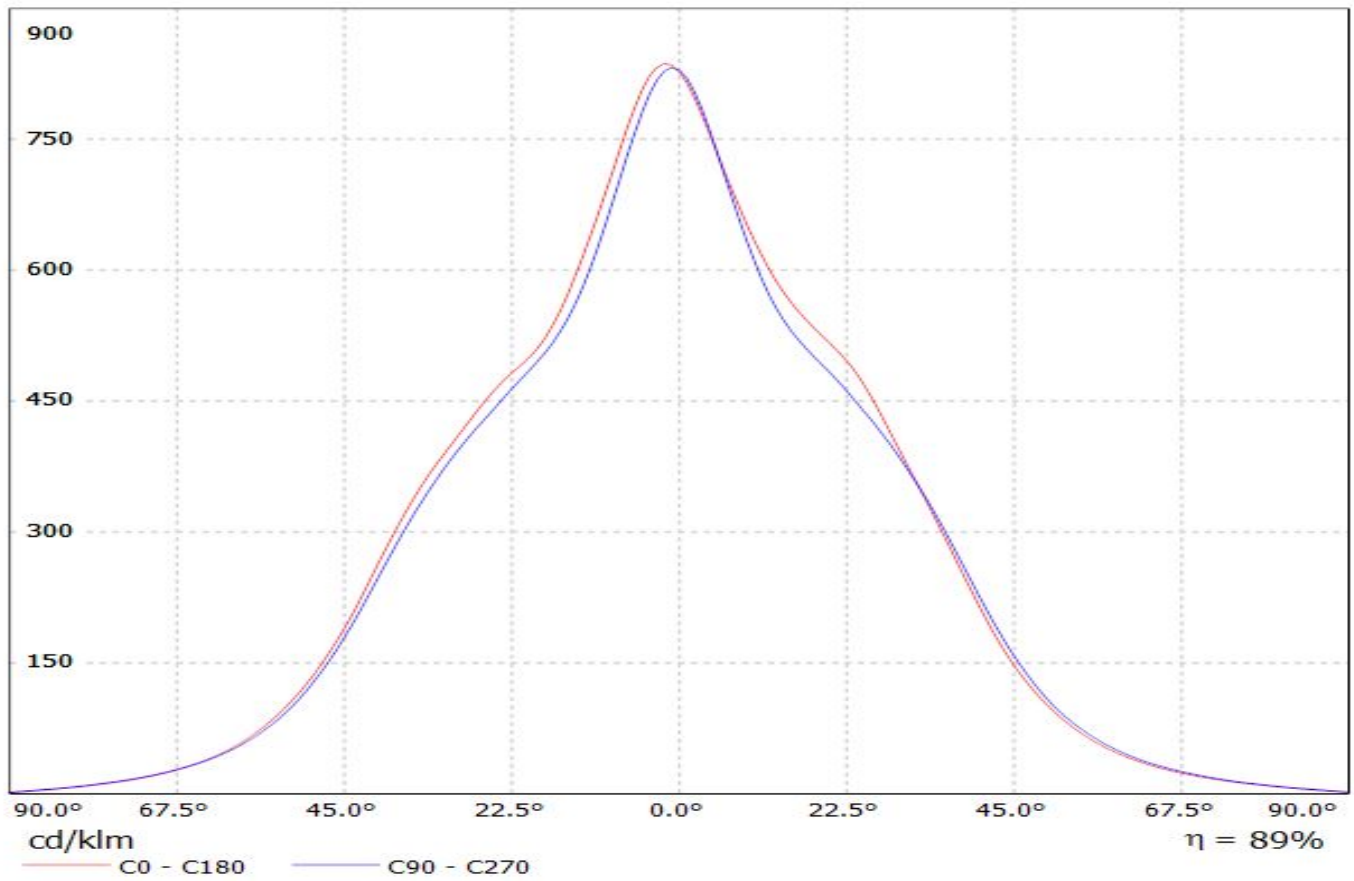
Luminaire: LEDiL Oy F14112_FLORENCE-Z60 Eff.89.0%
Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



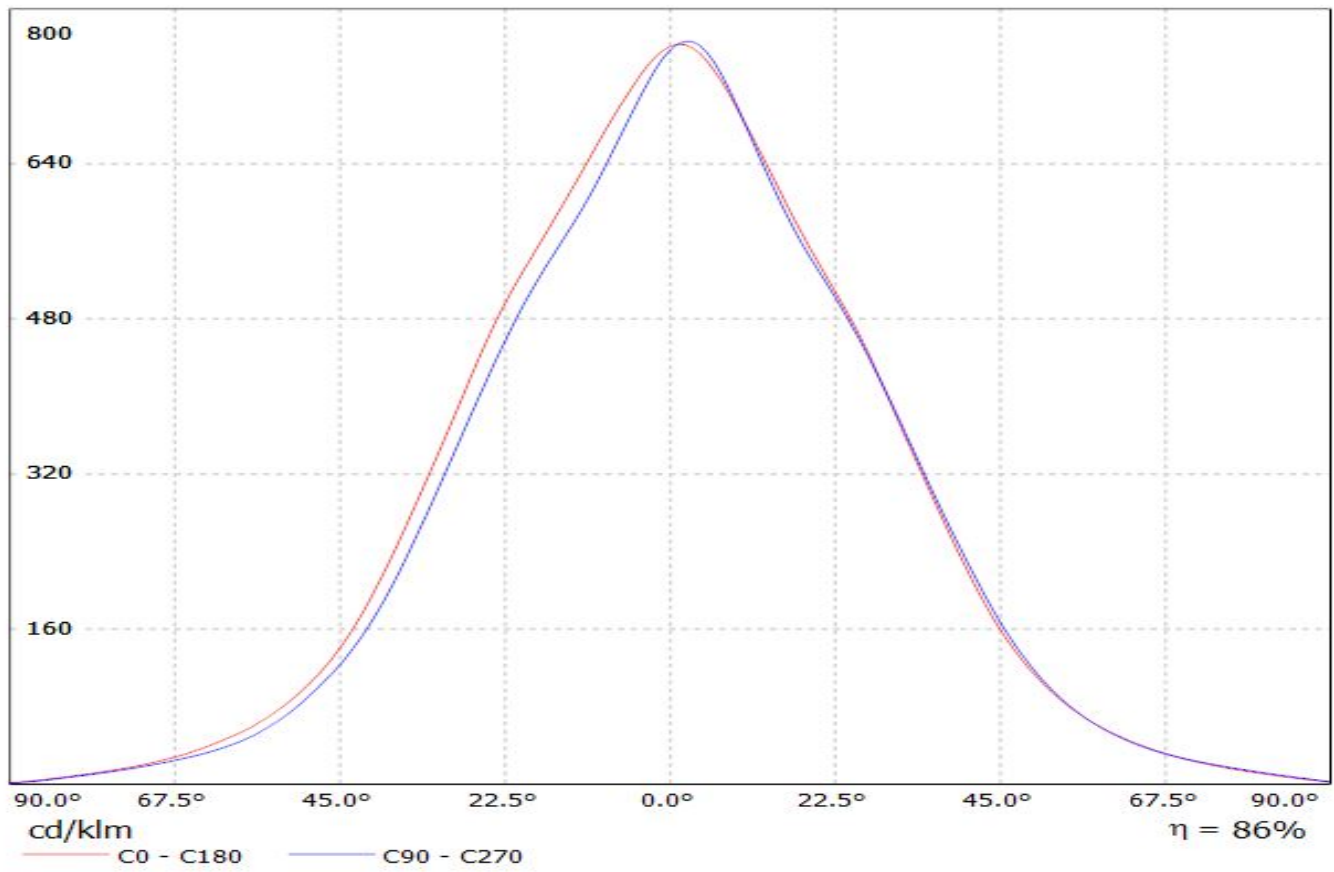
Luminaire: Ledil F14112_FLORENCE-Z60_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



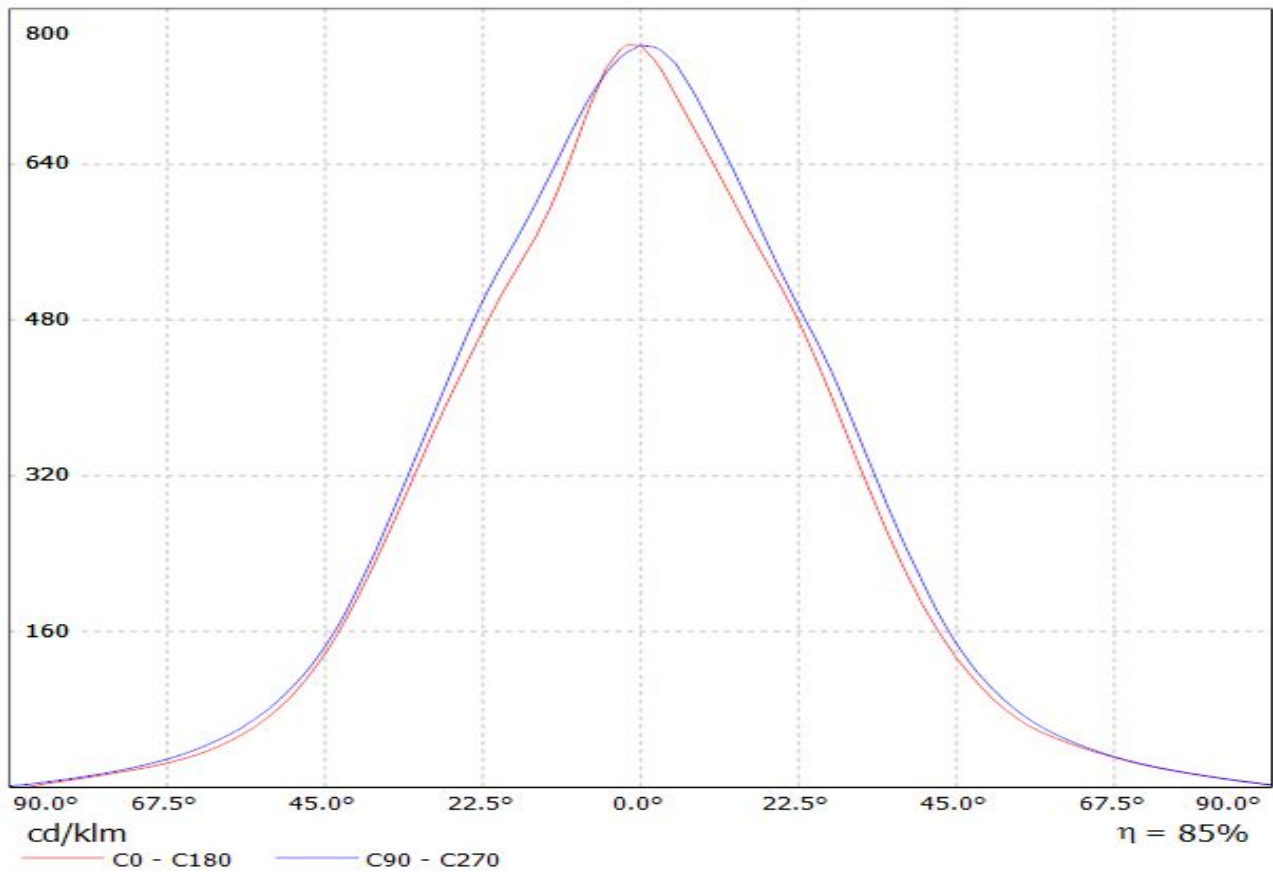
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LM231B) Eff.88.8%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA



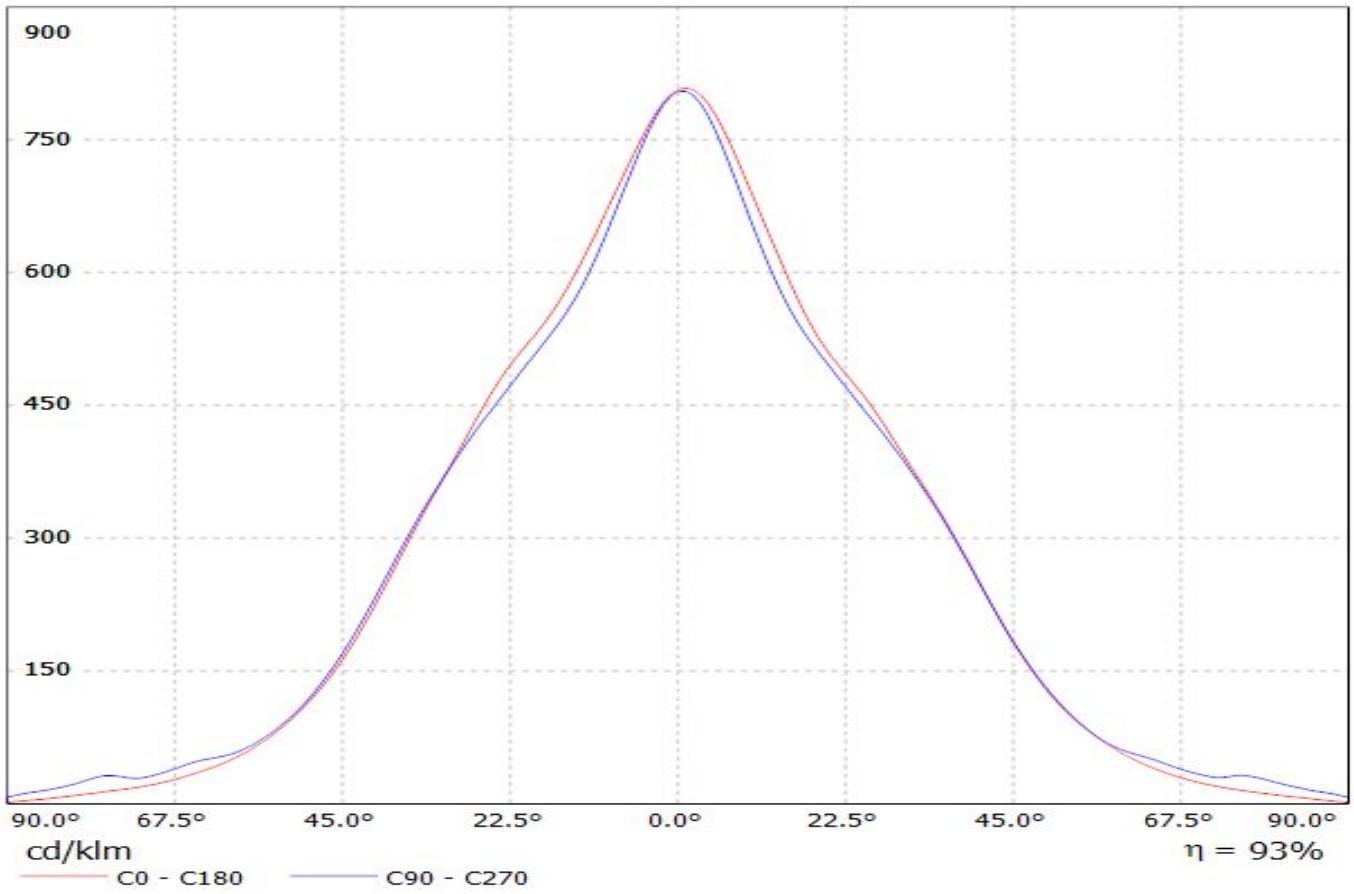
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM362A)
Lamps: 1 x SAMSUNG_LM362A 1387lm@200mA P:12W

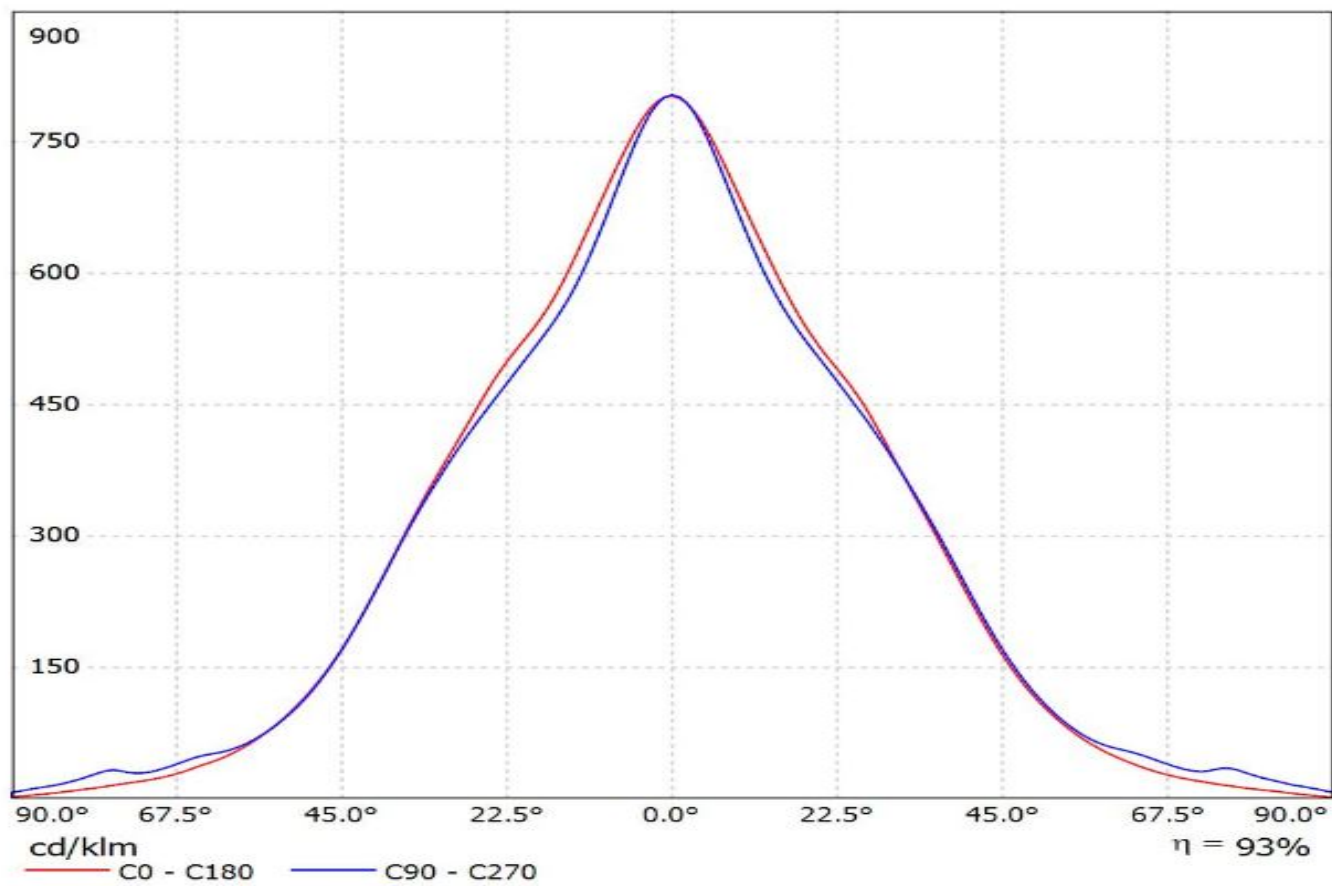


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A

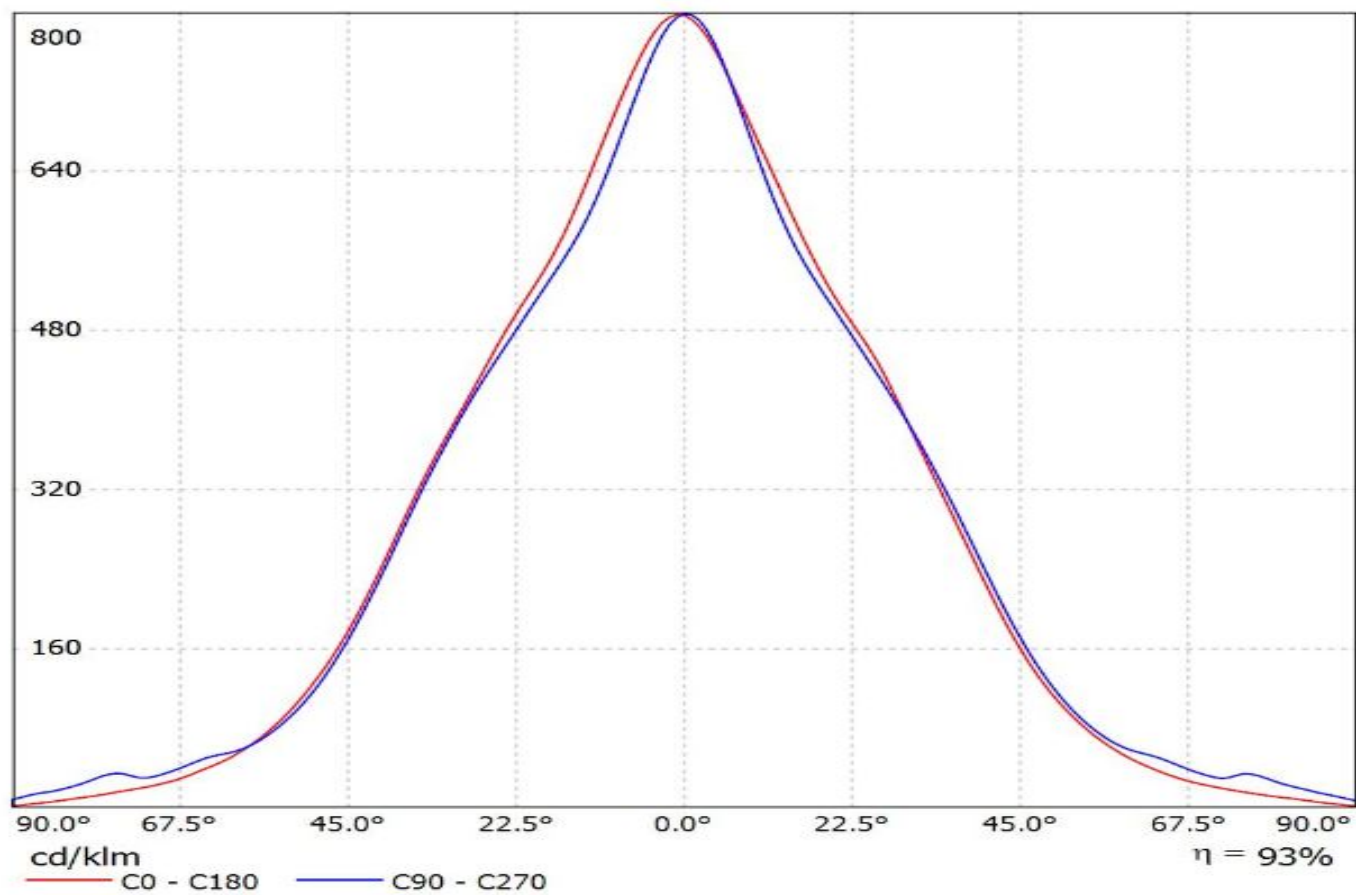


Luminaire: Ledil F14112_FLORENCE-Z60_(LM561B PLUS)

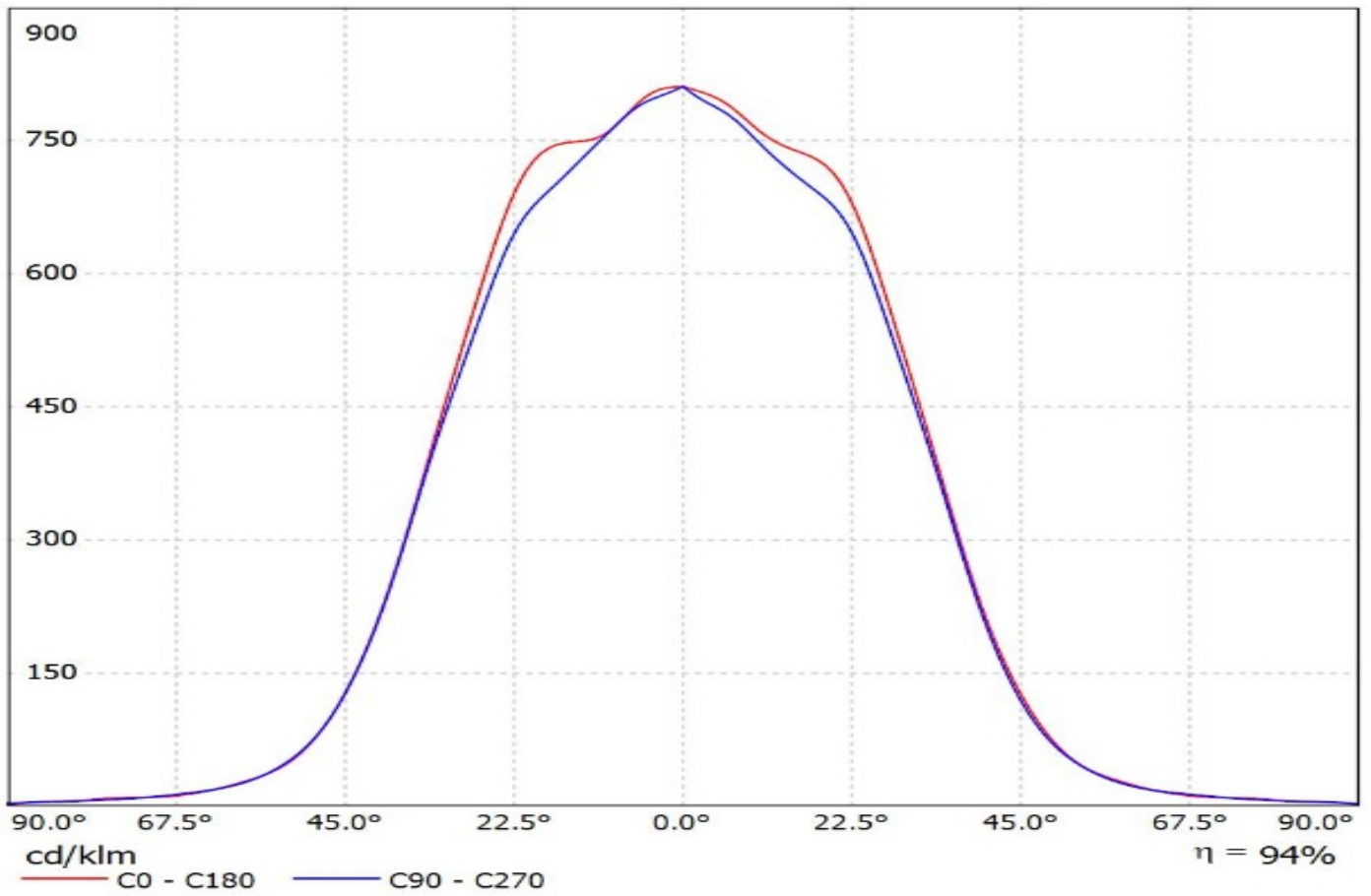
Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A



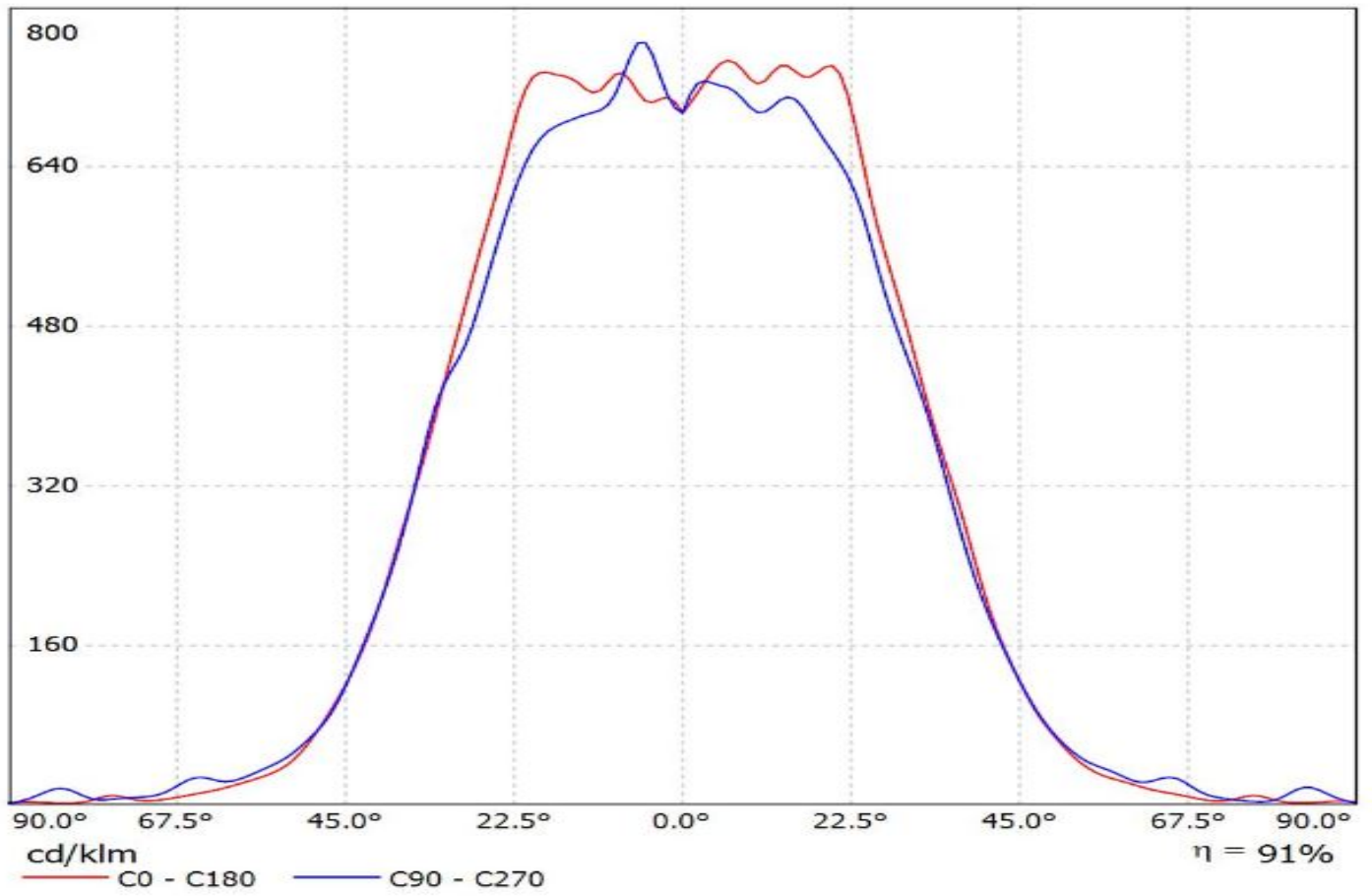
Luminaire: Ledil F14112_FLORENCE-Z60_(LM561C)
Lamps: 1 x Samsung LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A



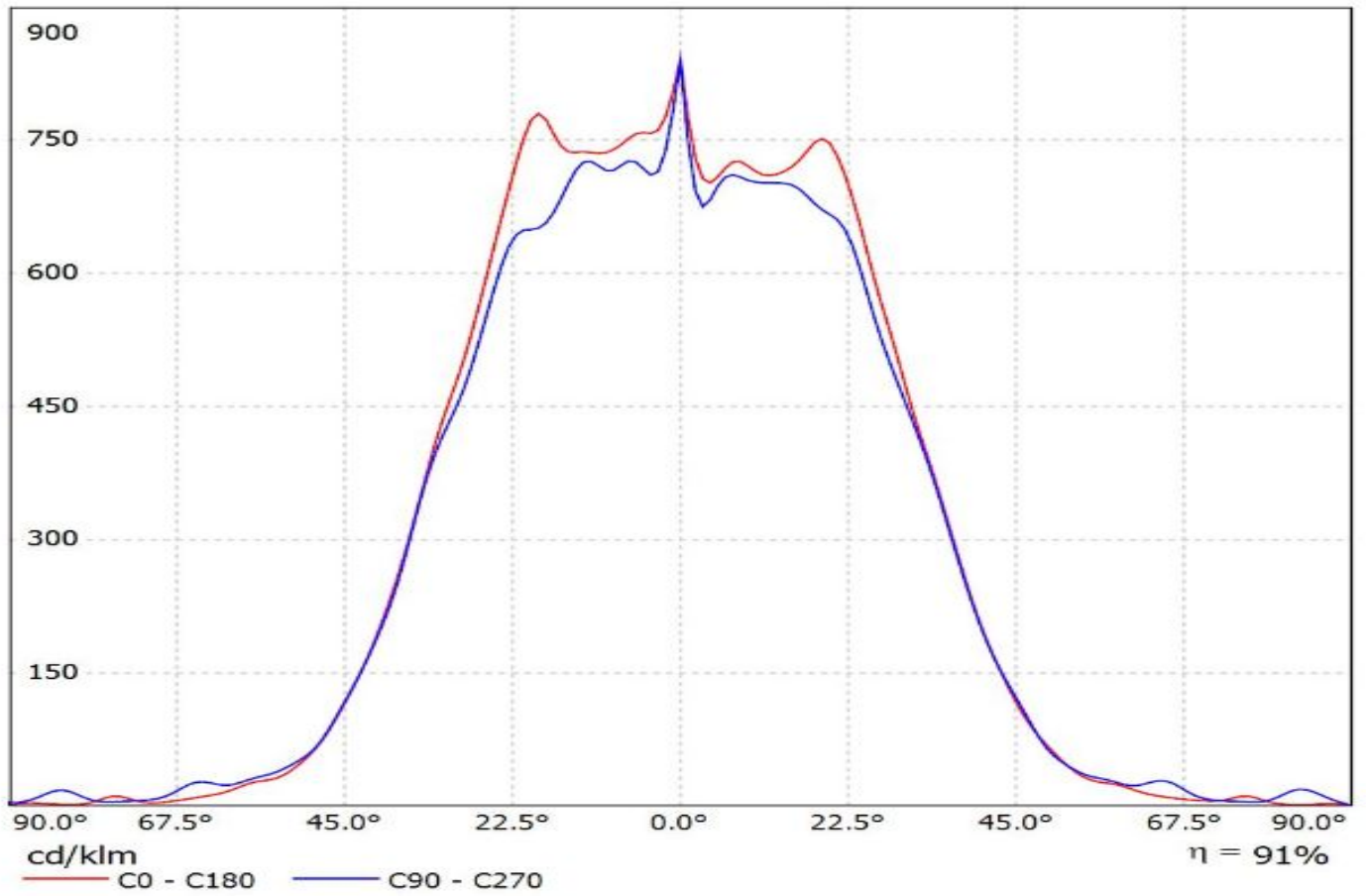
Luminaire: Ledil Oy F14112_FLORENCE-Z60_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B



Luminaire: Ledil Oy F14112_FLORENCE-Z60_SEOUL_5630_C_SIMULATED
Lamps: 1 x SEOUL 5630 C

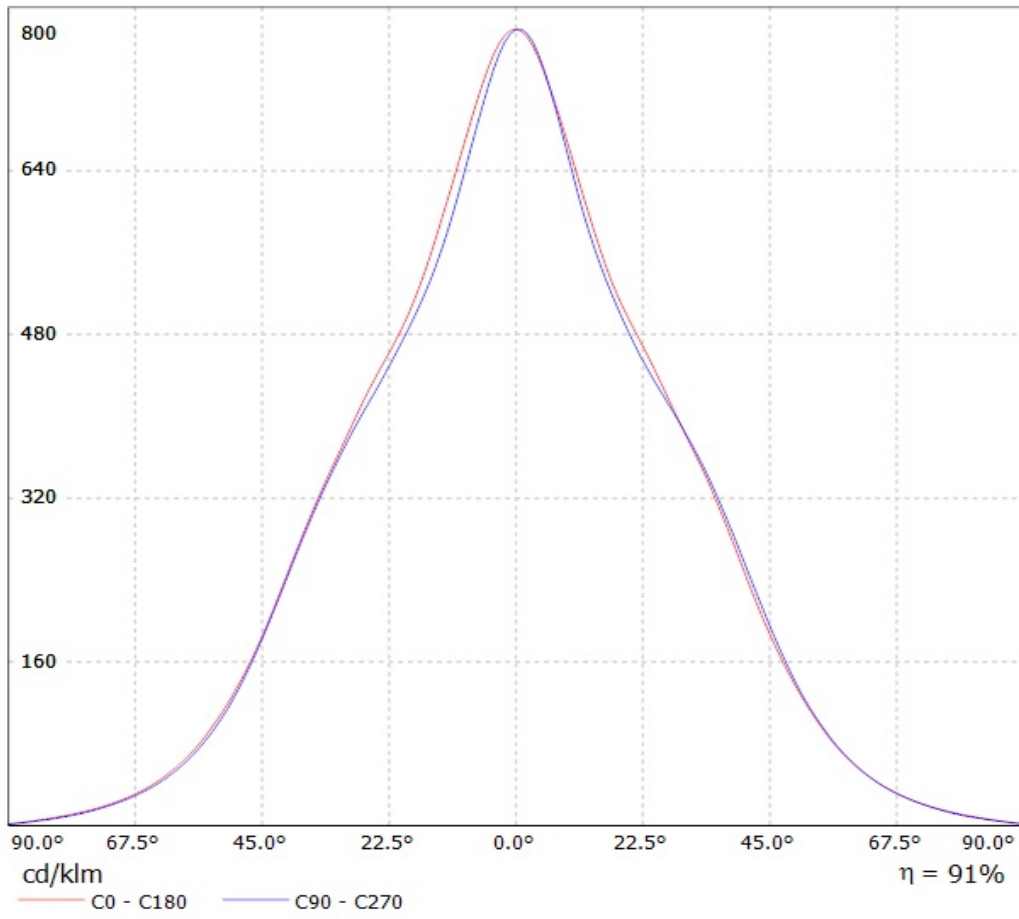


Luminaire: Ledil Oy F14112_FLORENCE-Z60_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D

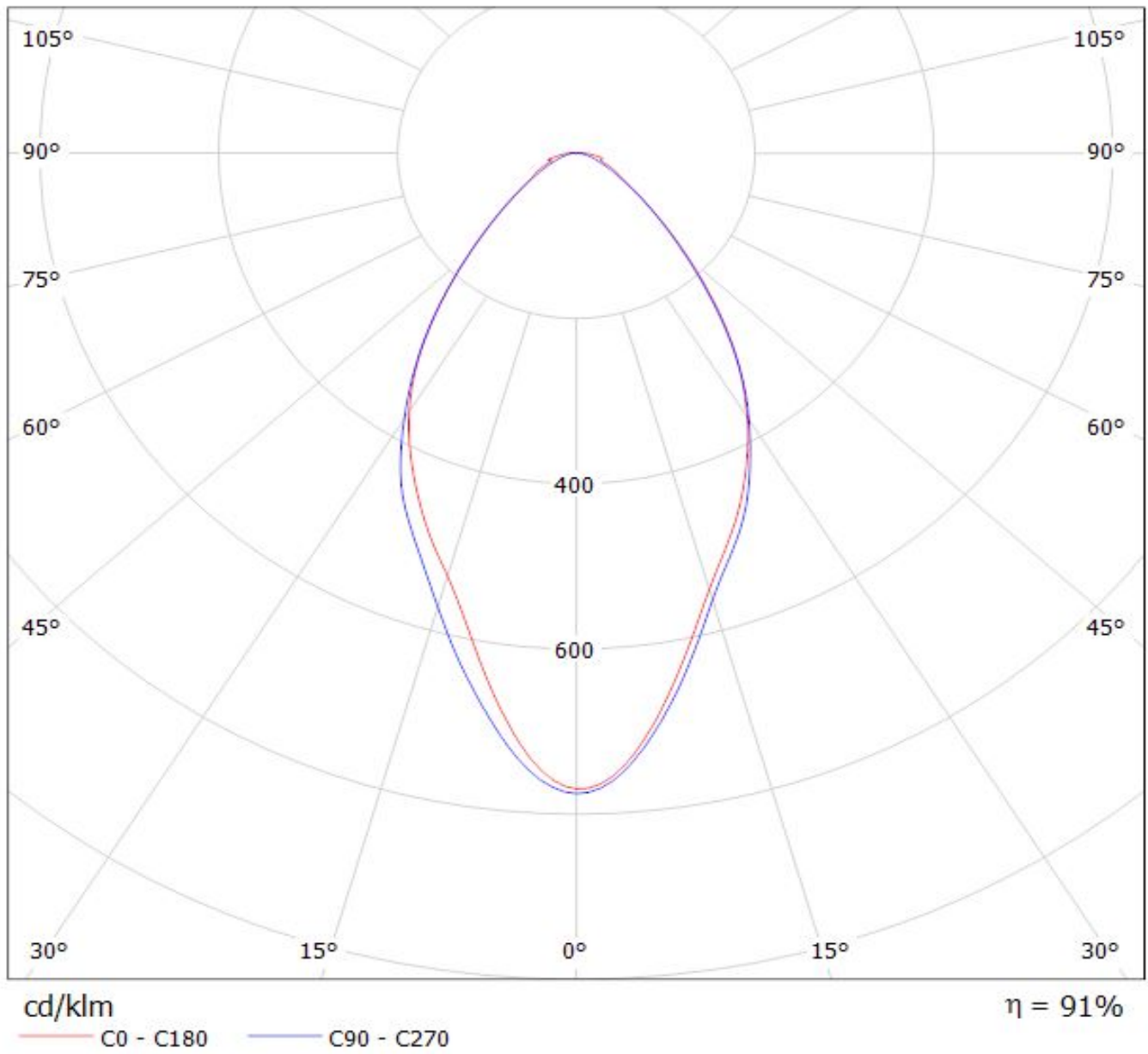


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LLE-55-280-1650)

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

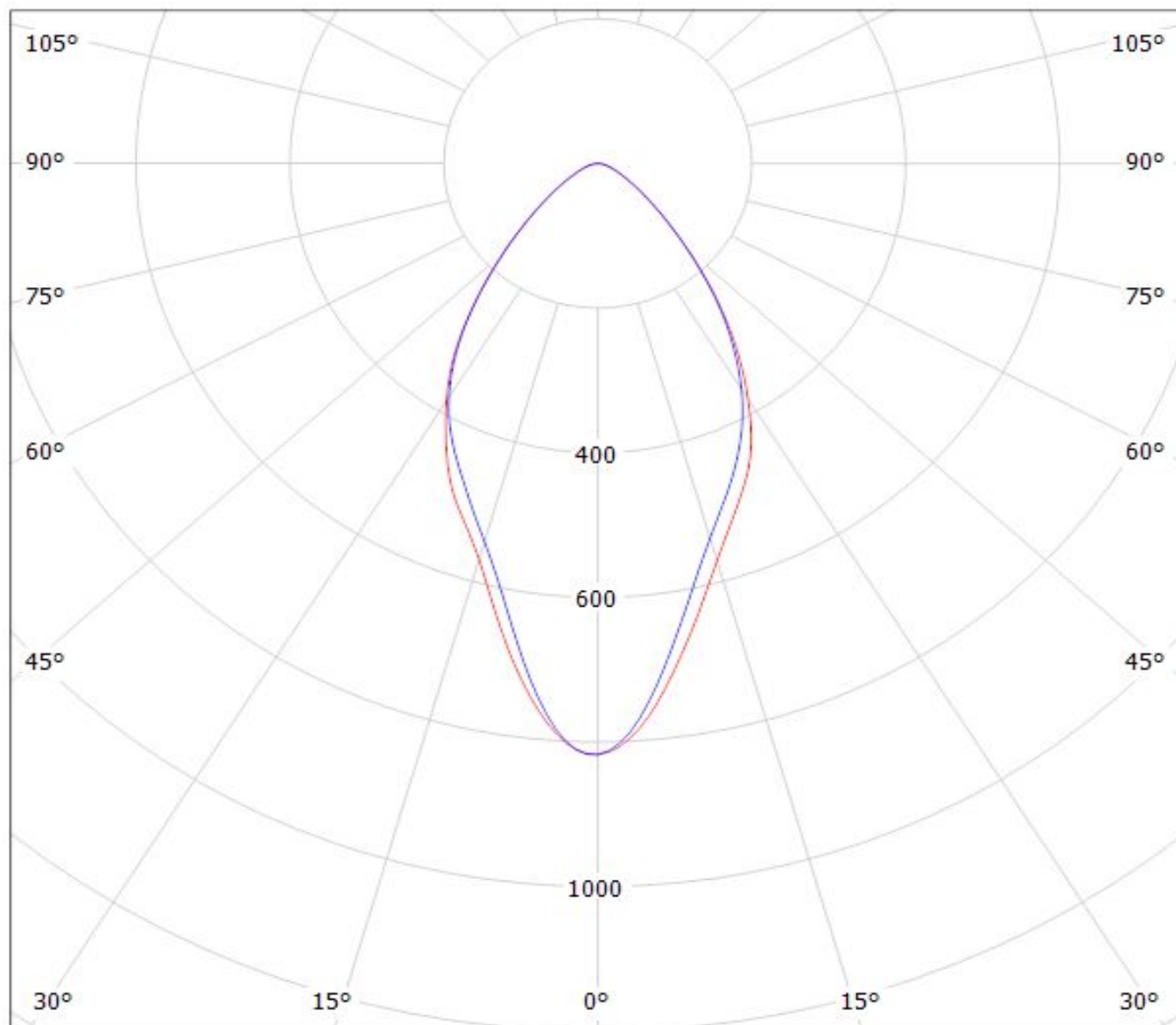


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(TRIDINO-R3)_GS

Lamps: 1 x Comet_Electronic sin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A



cd/klm

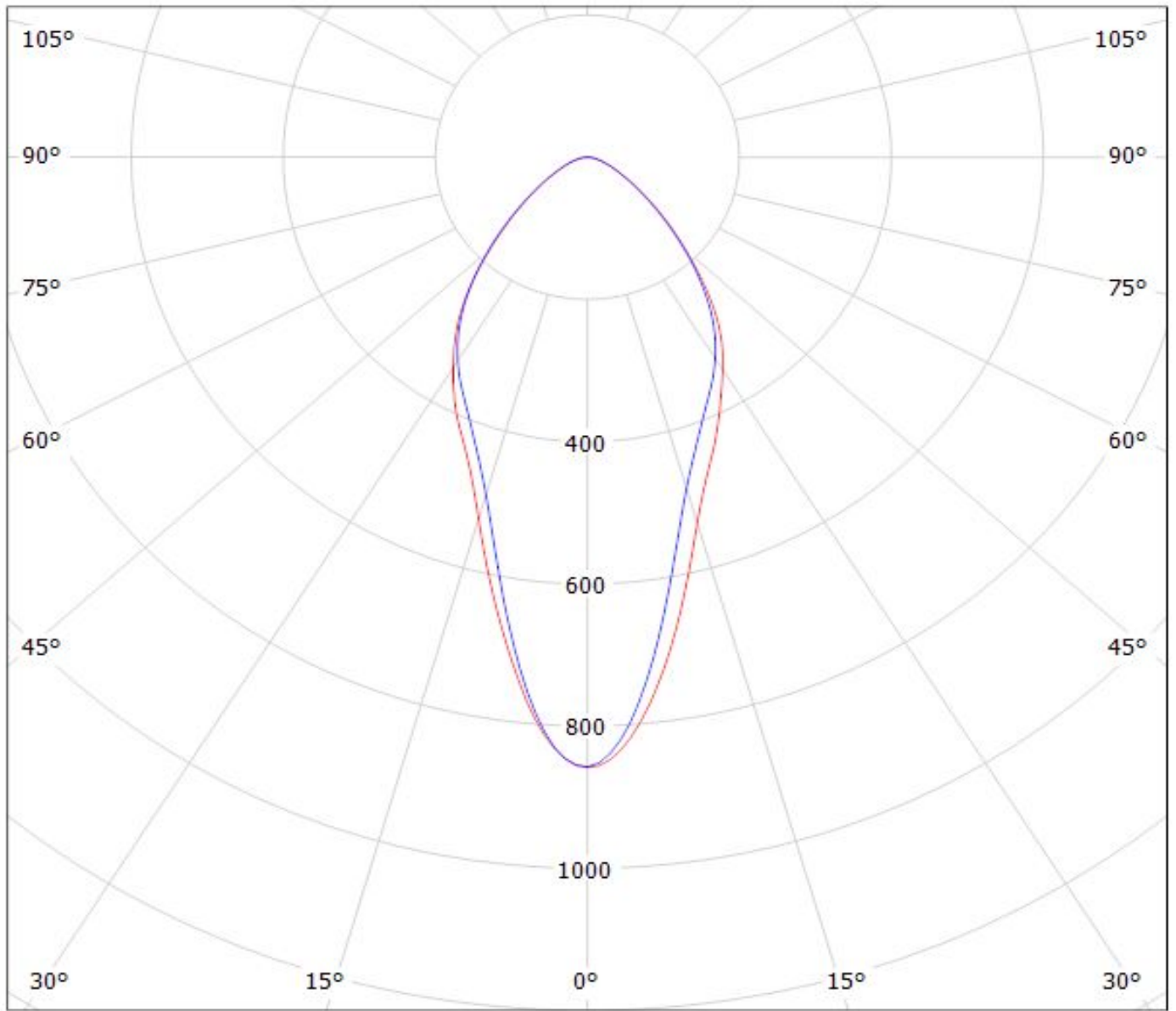
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy F14112_Florence-Z60_(XH-G) Eff.87.4%

Lamps: 1 x CREE_XH-G_(XHGAWT-0-7B4-J30-0H-0001)_1055.65lm@250mA_P=8.1195W_I=249.8mA



cd/klm

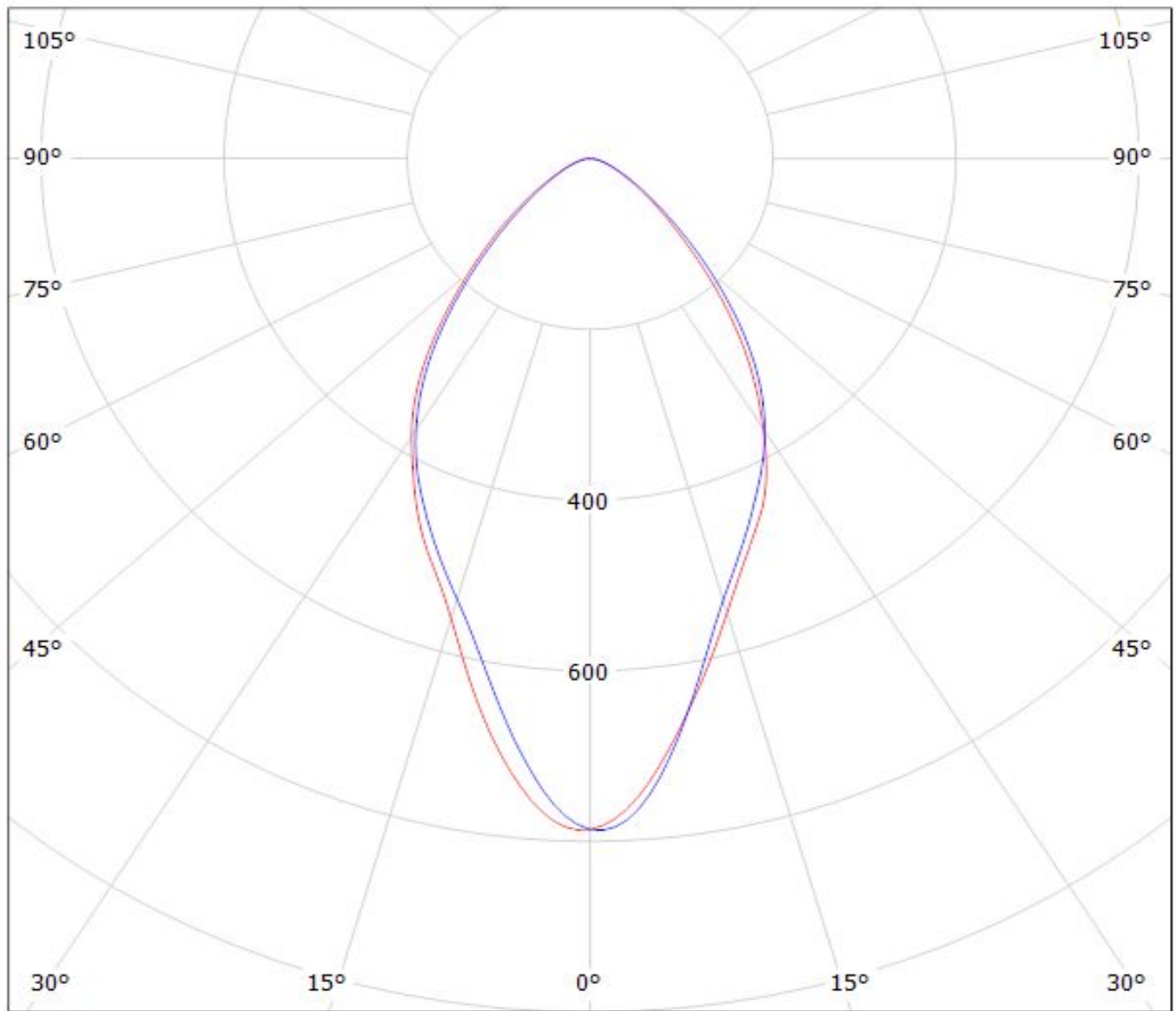
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1011.03lm@250mA P=8.41224W I=250.7mA



cd/klm

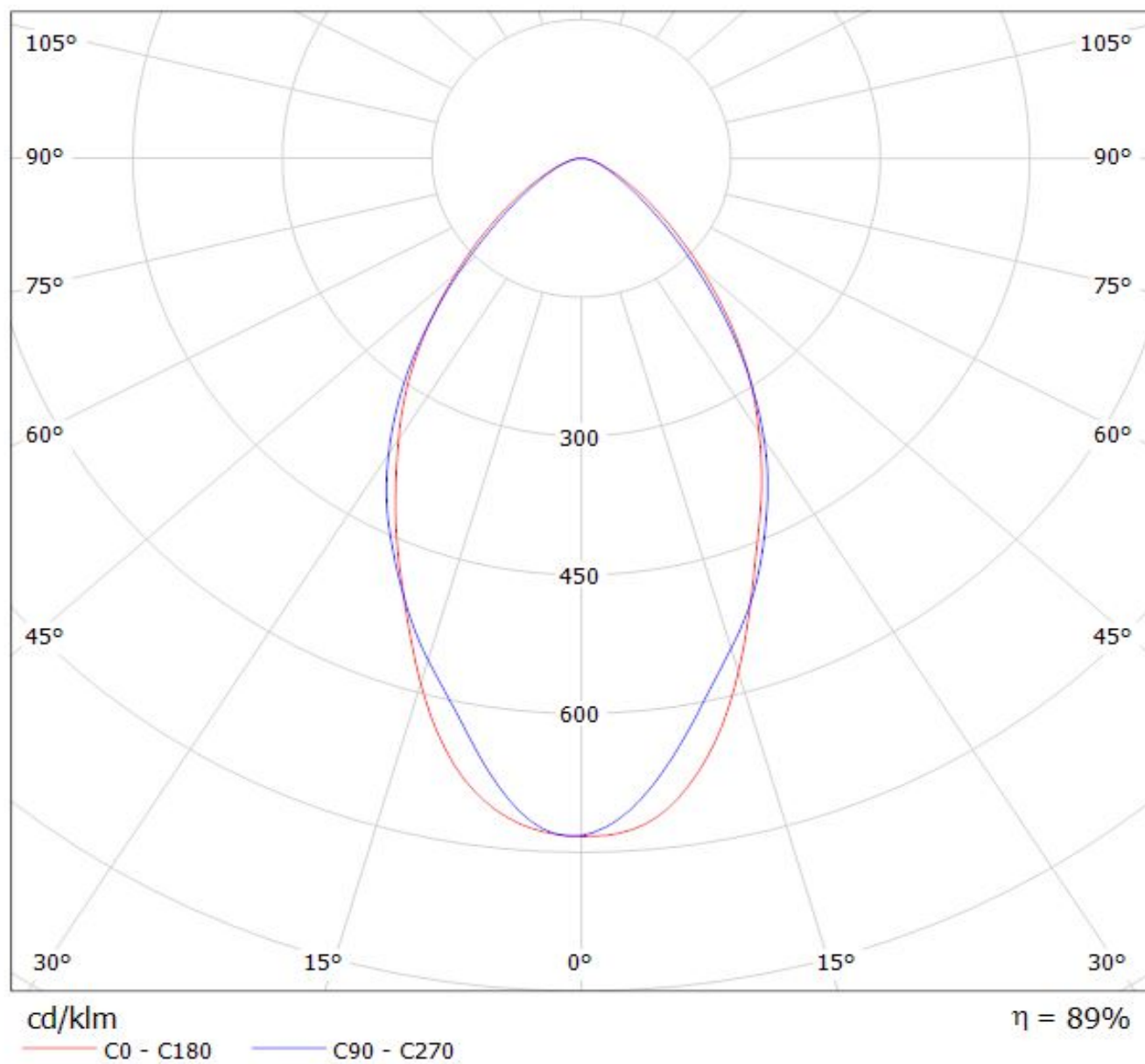
— C0 - C180

— C90 - C270

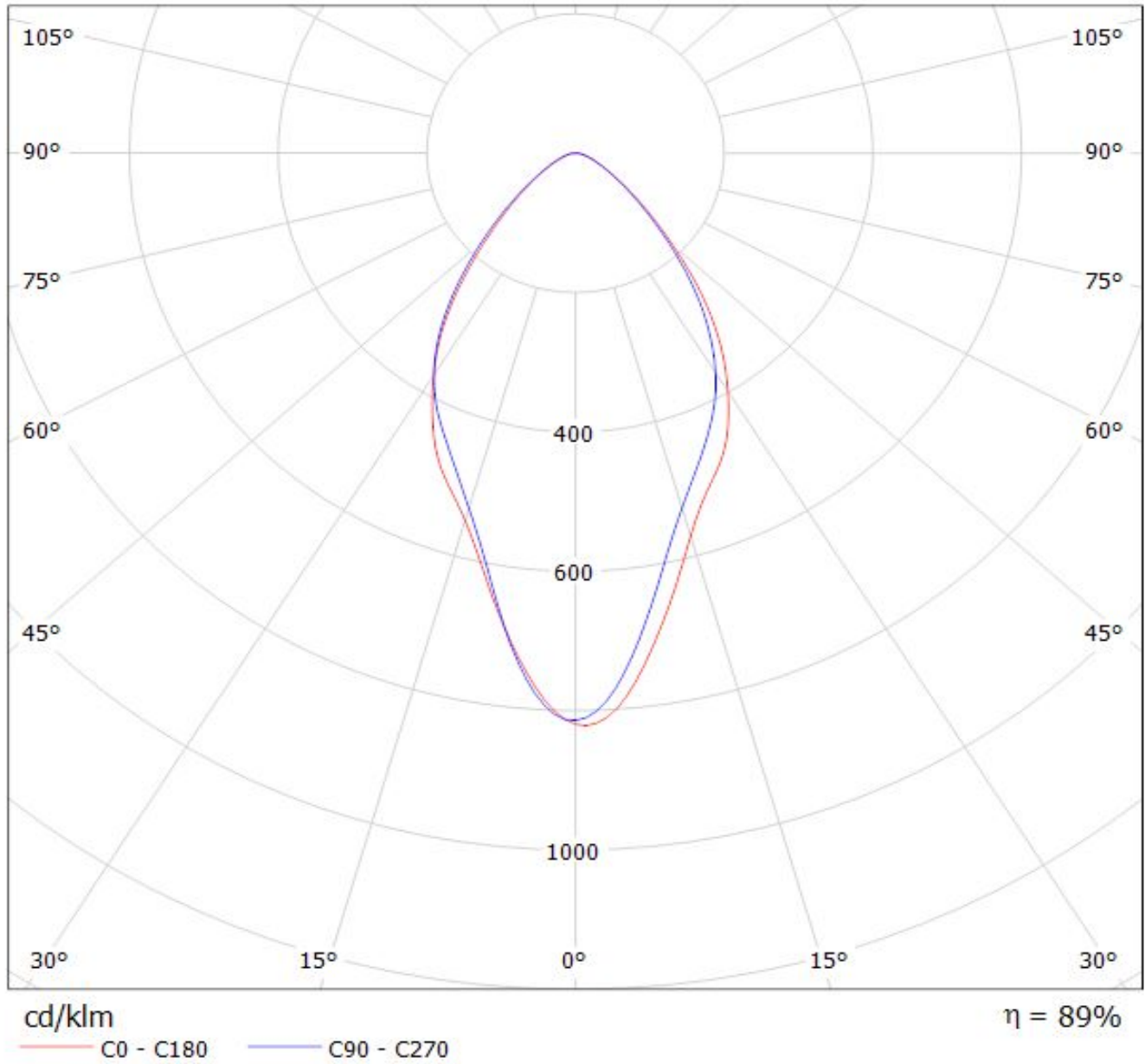
$\eta = 89\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LG_6030) Eff.89.0%

Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LUXEON_3535_2D) Eff.88.8%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA

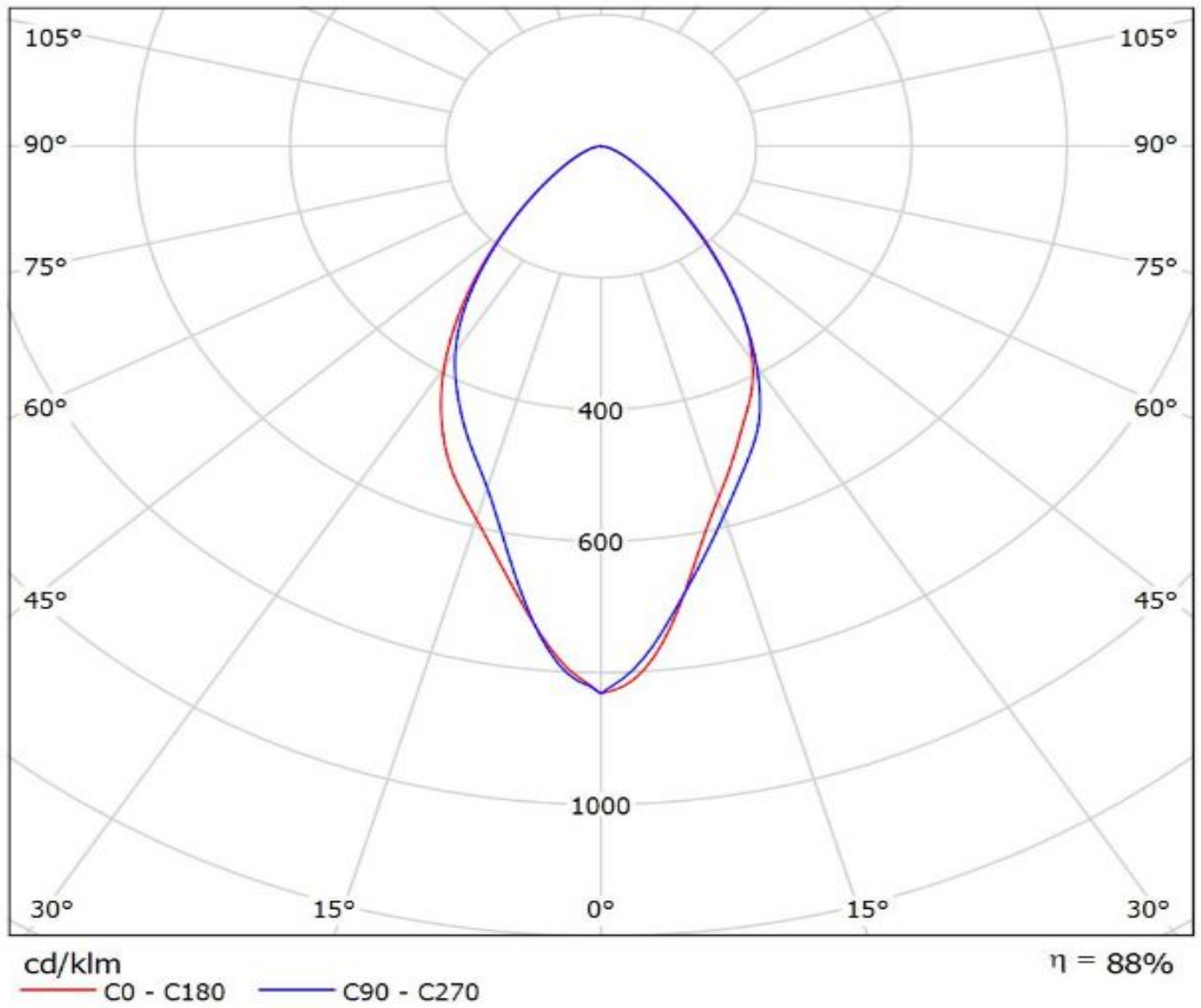


Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D)

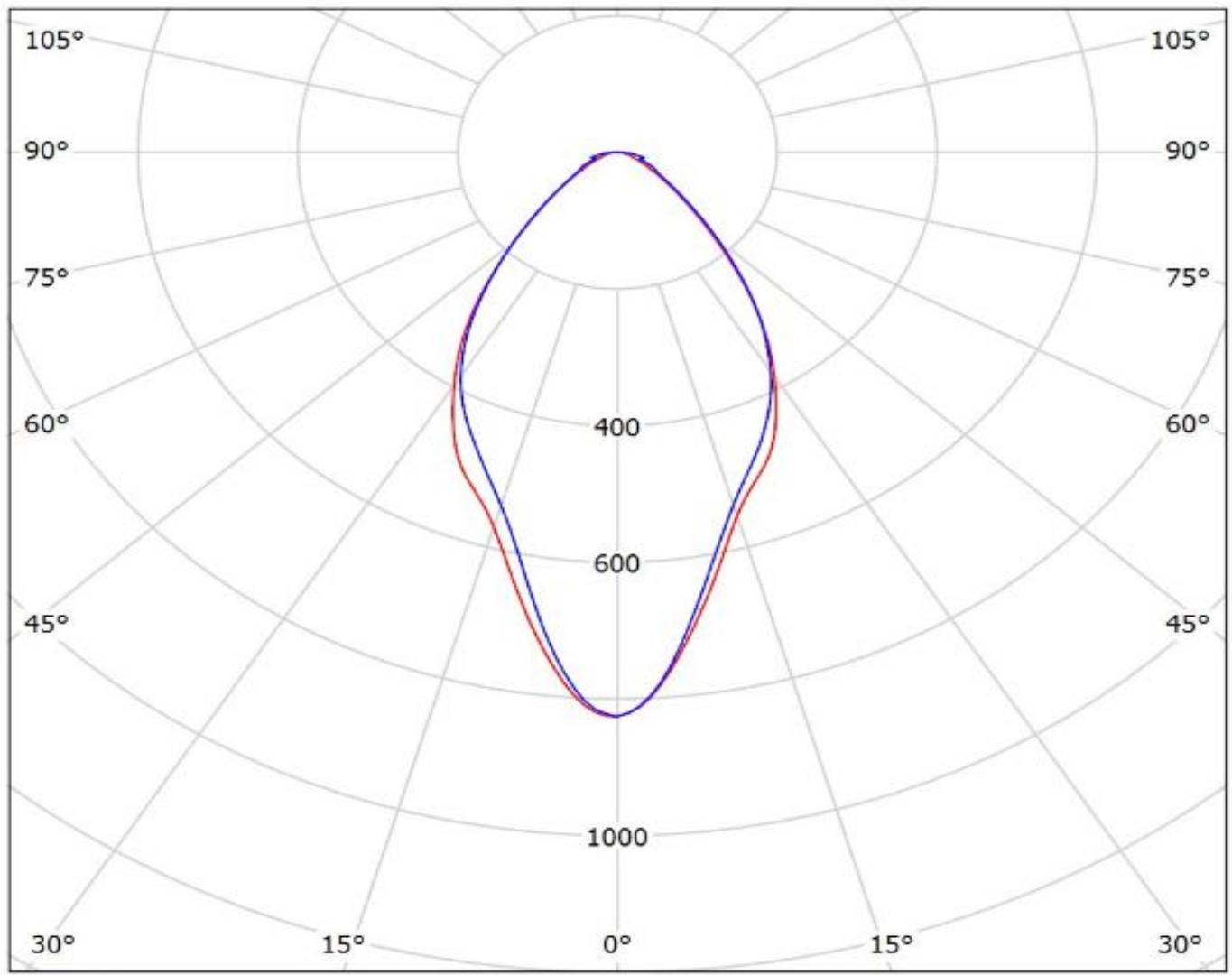
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)

_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L) / LDC (Polar)

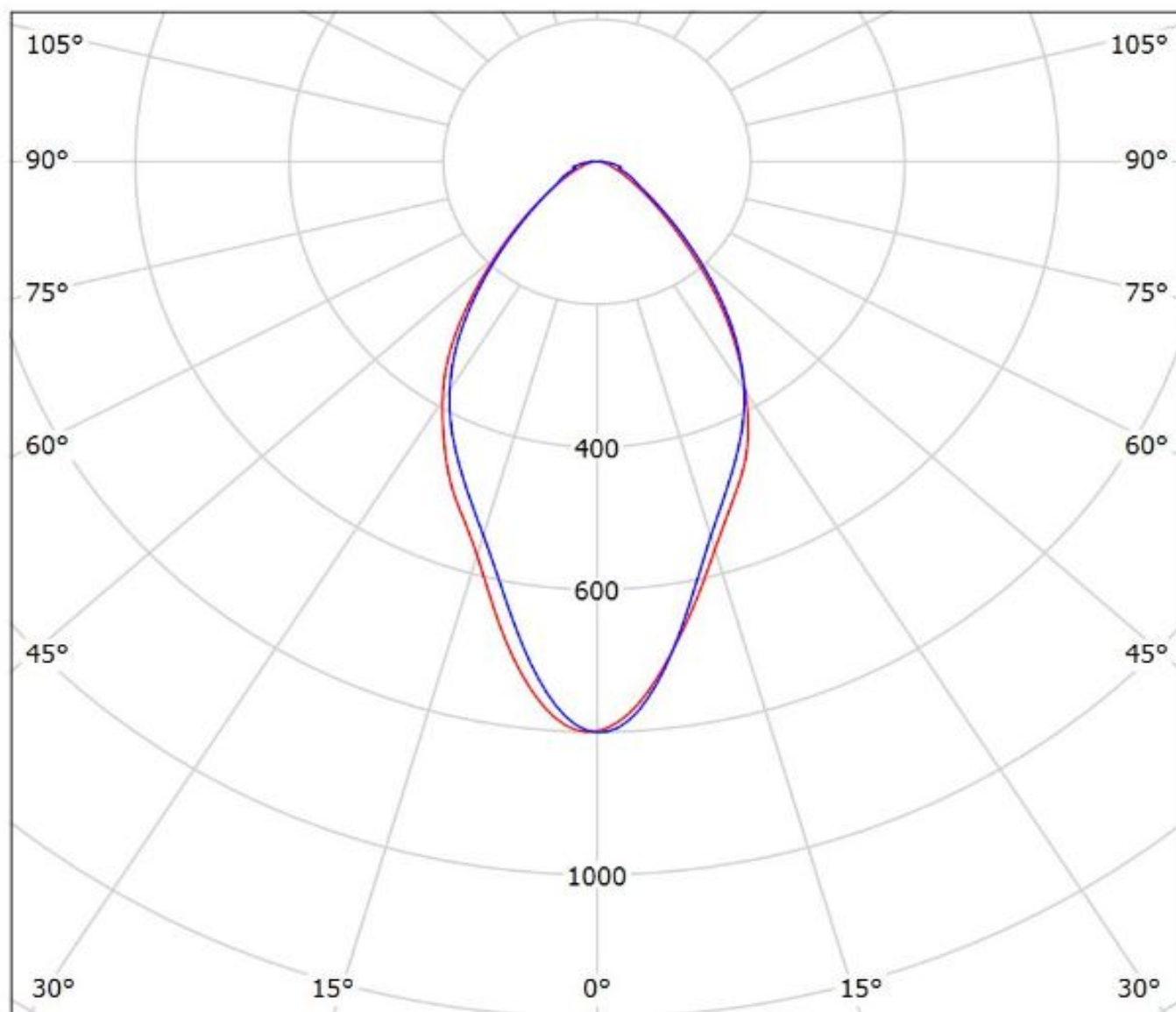
Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



cd/klm
— C0 - C180 — C90 - C270

η = 93%

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A



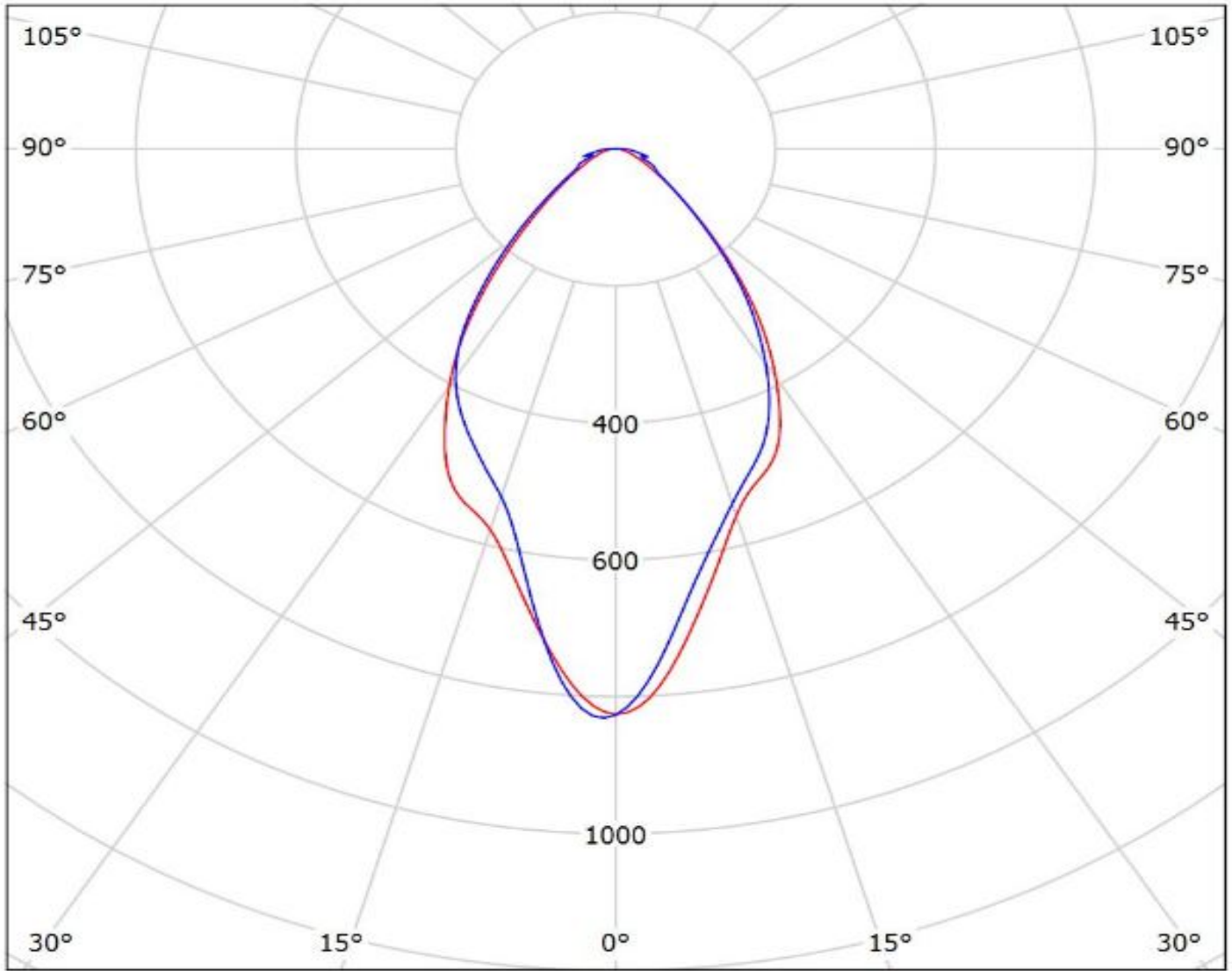
cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

Ledil F14112_FLORENCE-Z60_(MP-2016) / LDC (Polar)

Luminaire: Ledil F14112_FLORENCE-Z60_(MP-2016)

Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_l=0.18A

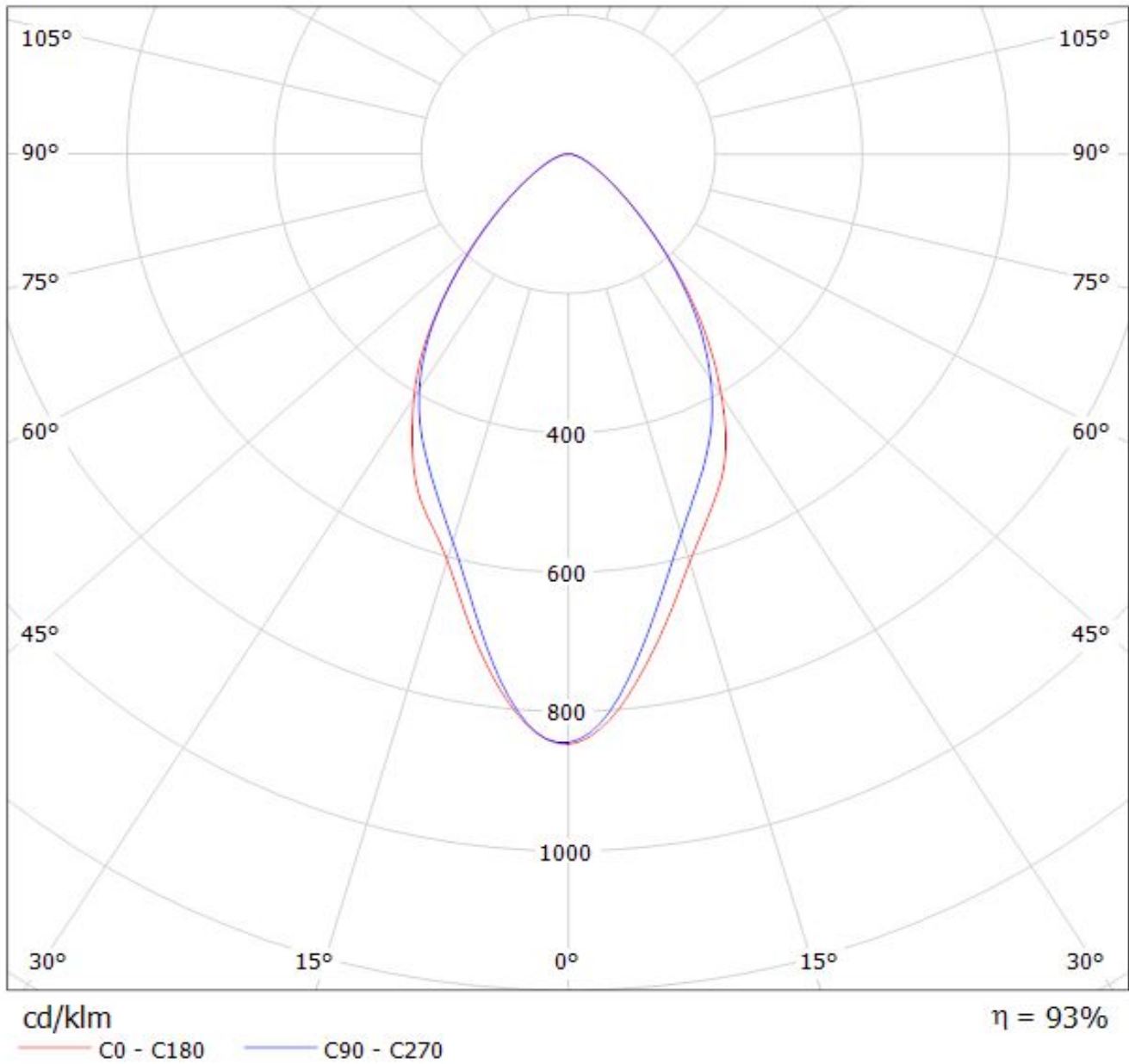


cd/klm

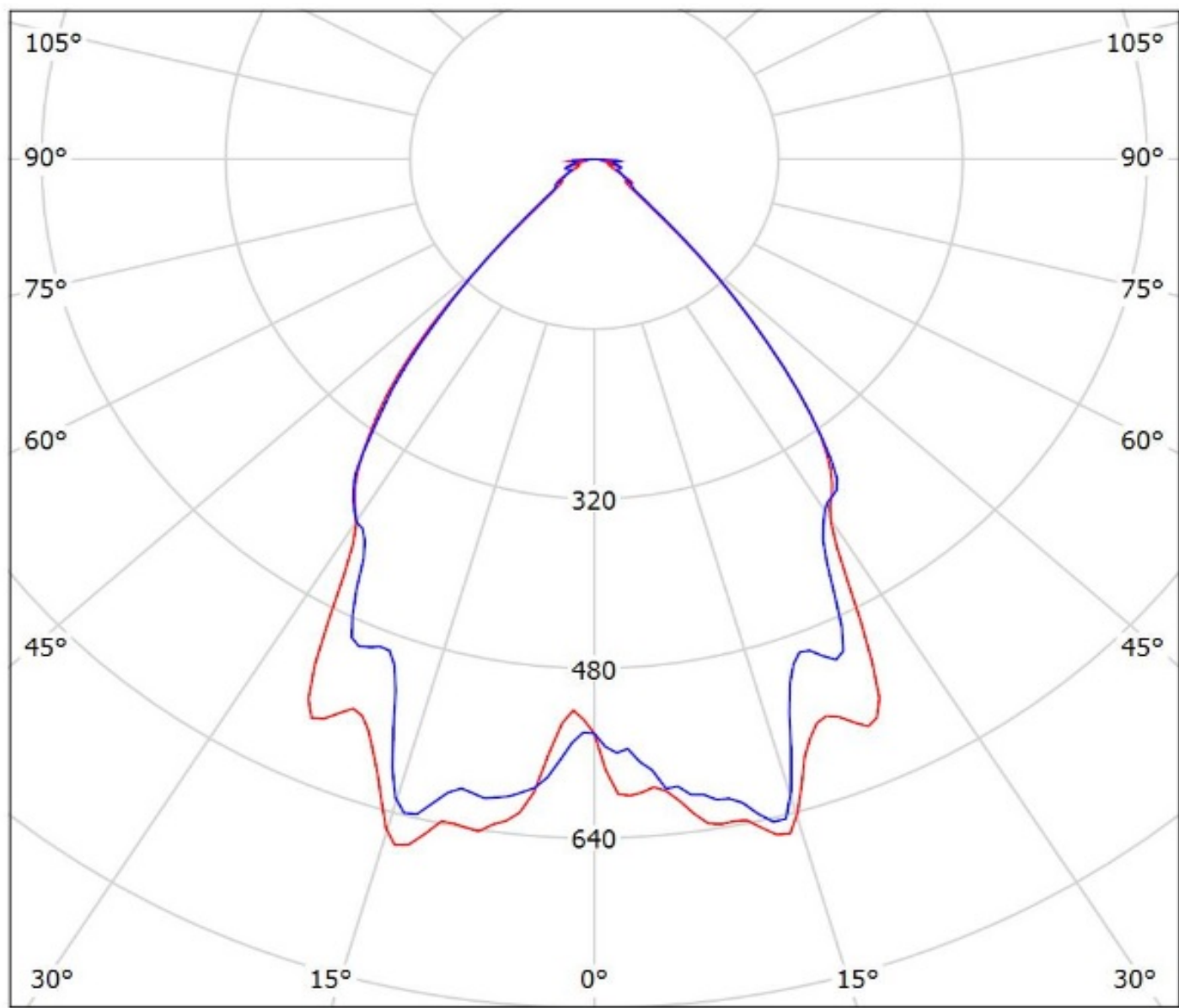
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Nichia757)
Lamps: 1 x NICHIA_757 (NT2W757DRT) 1387lm@150mA



Luminaire: Ledil Oy F14112_FLORENCE-Z60_NVSLE21A_SIMULATED
Lamps: 1 x NICHIA NVSLE21A

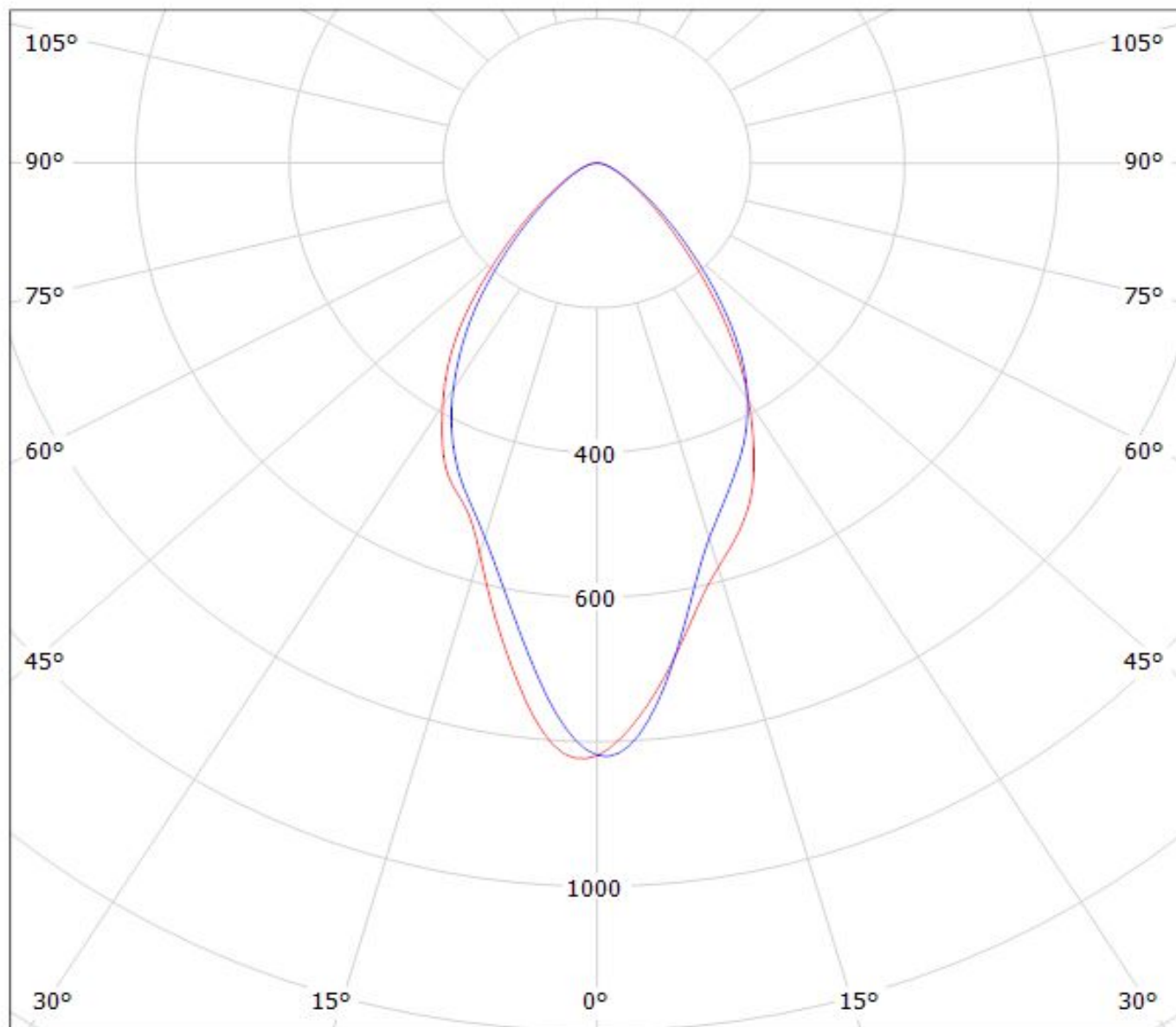


cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_S5) Eff.88.8%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

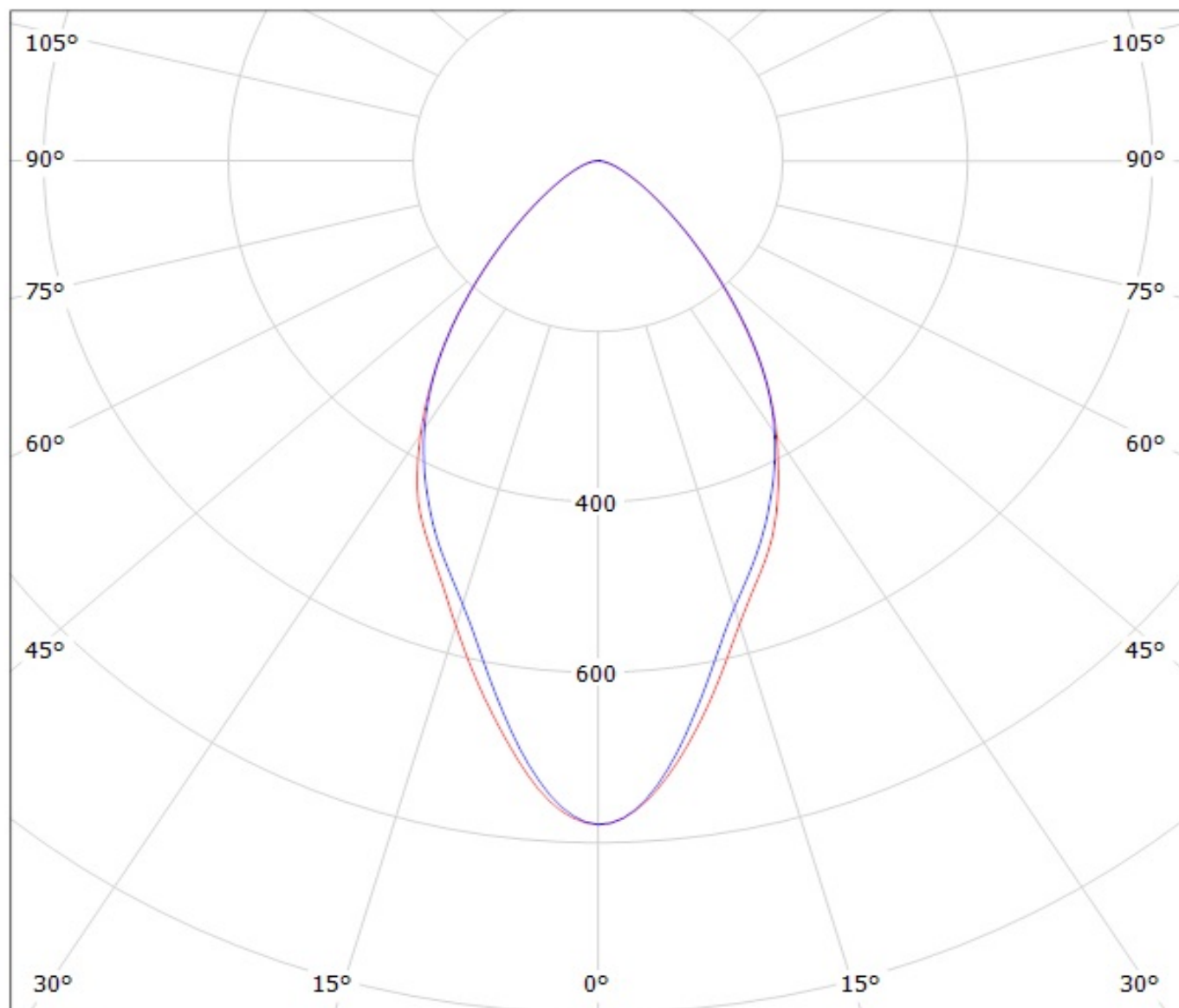


cd/klm

$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_E5) Eff. 89%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA

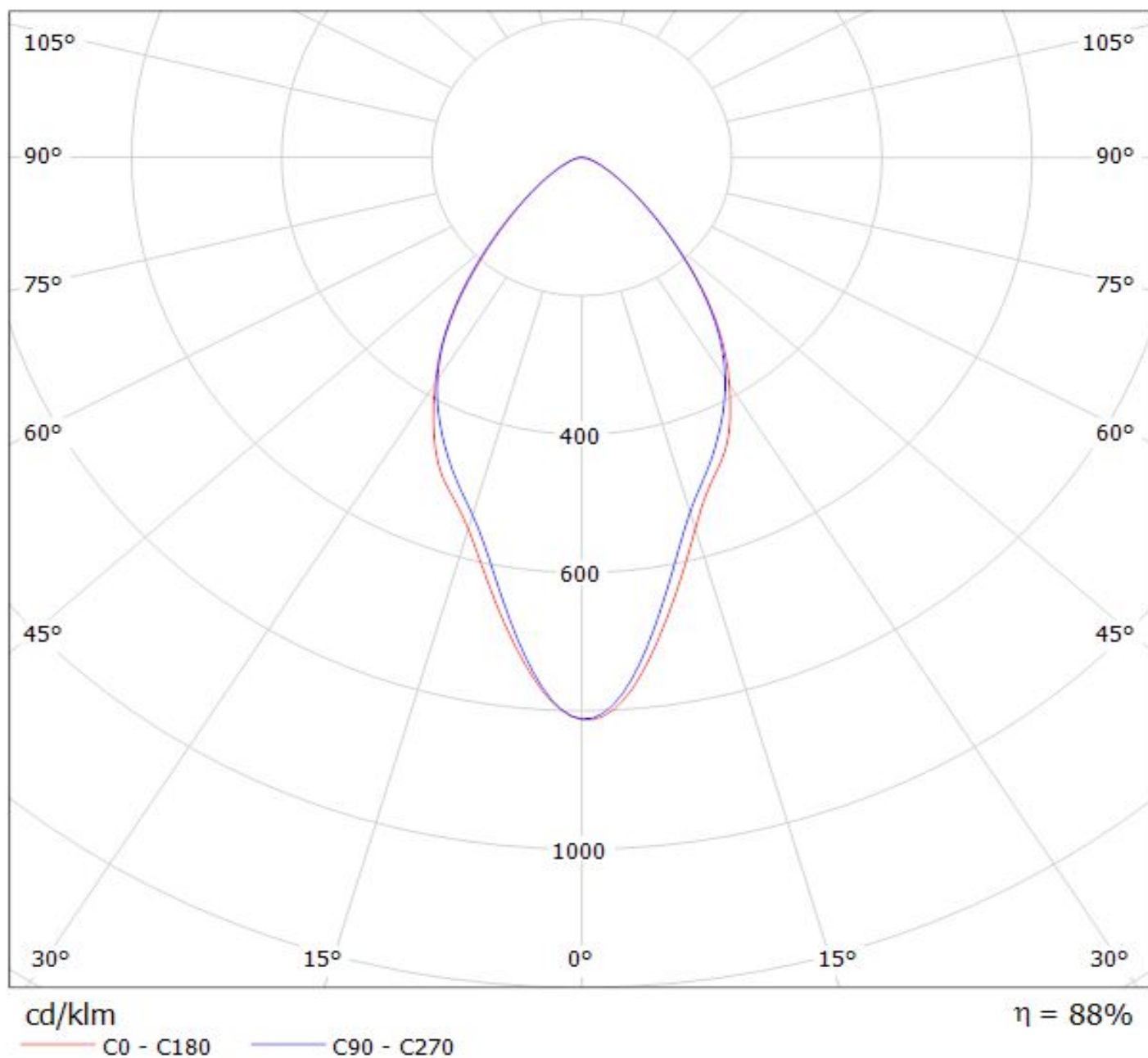


cd/klm

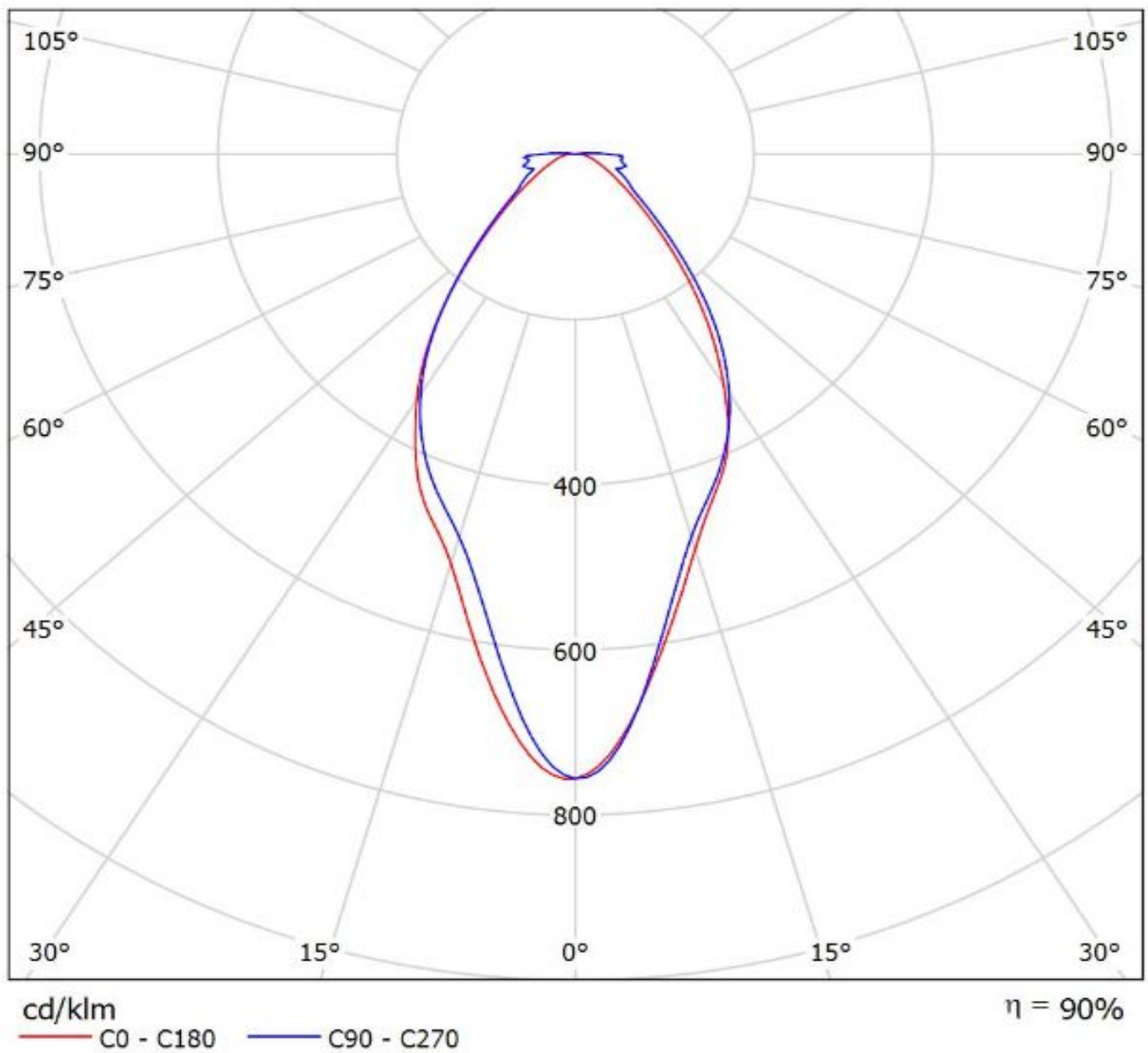
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Osram_PLG2-BAR)

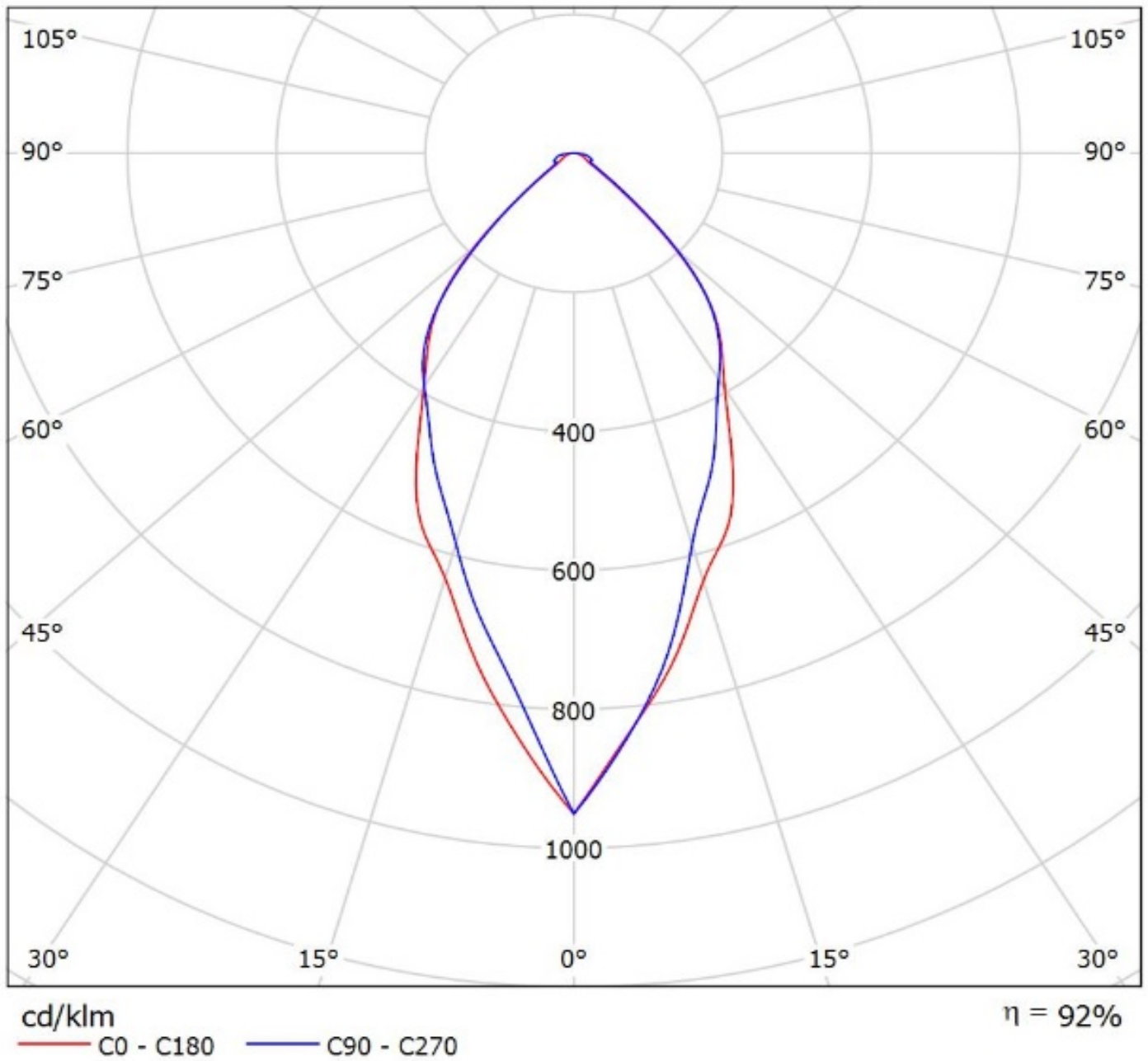
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A



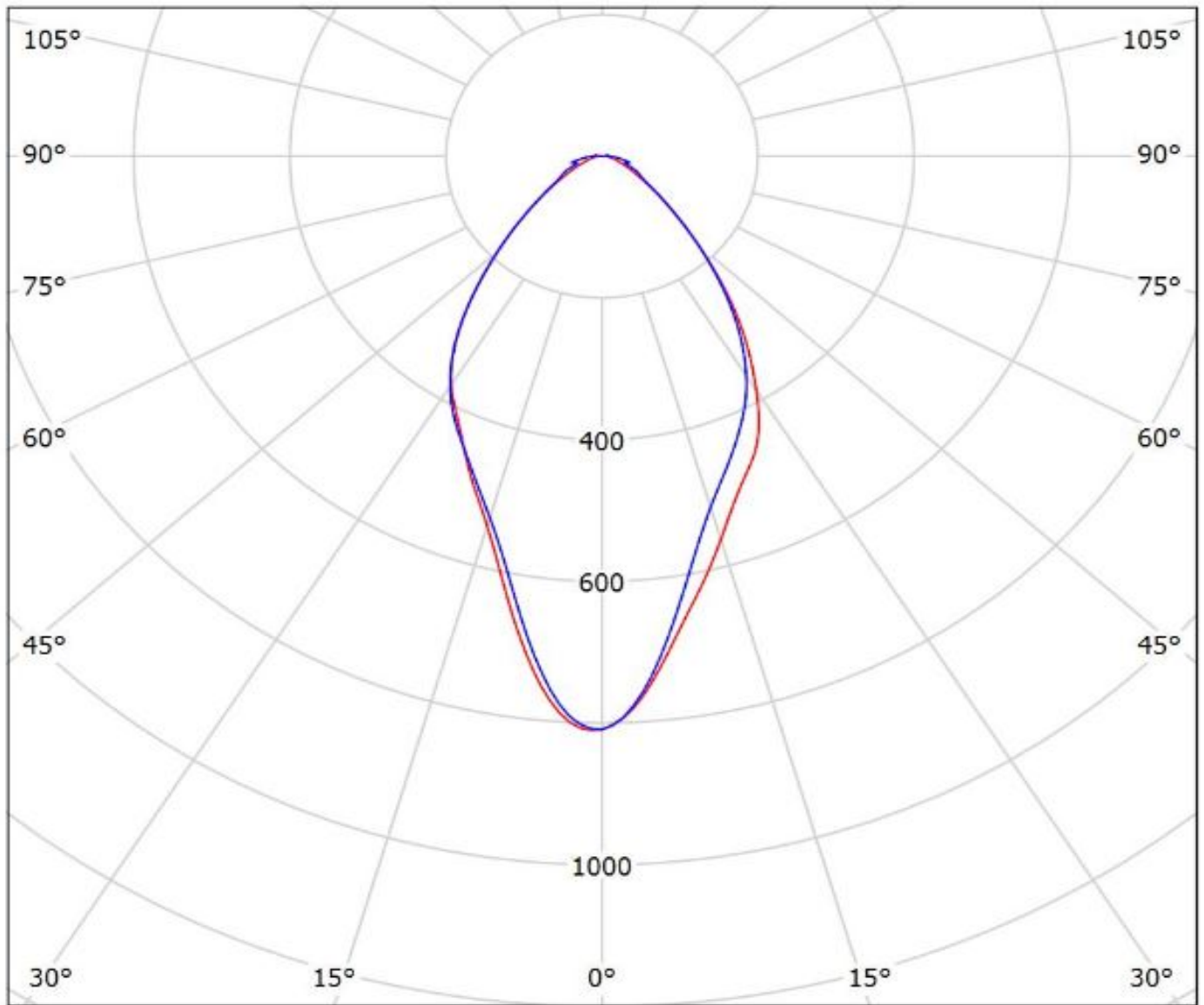
Luminaire: Ledil F14112_FLORENCE-Z60_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A



Luminaire: Ledil Oy F14112_FLORENCE-Z60_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A



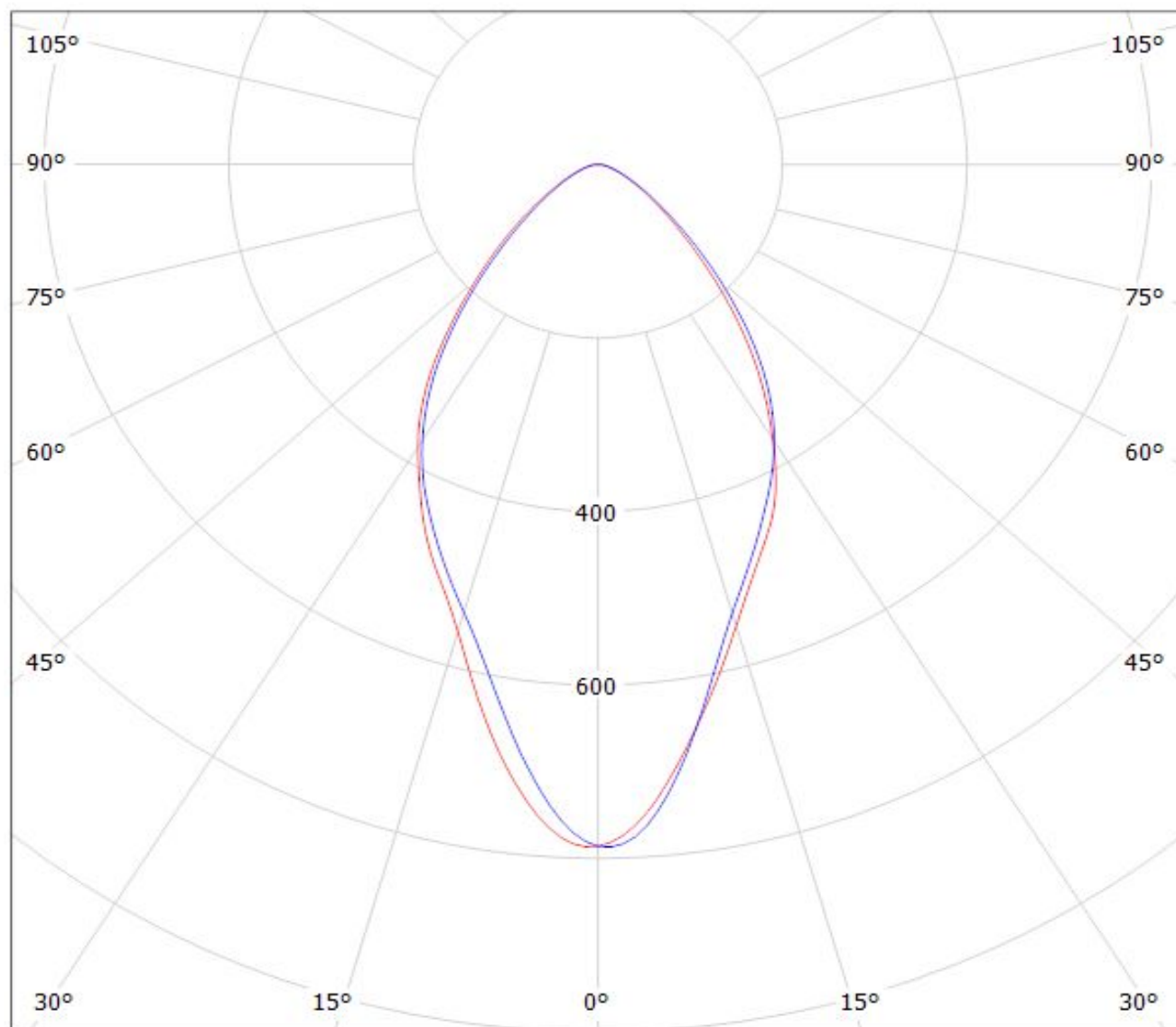
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1011.03lm@250mA P=8.41224W I=250.7mA



cd/klm

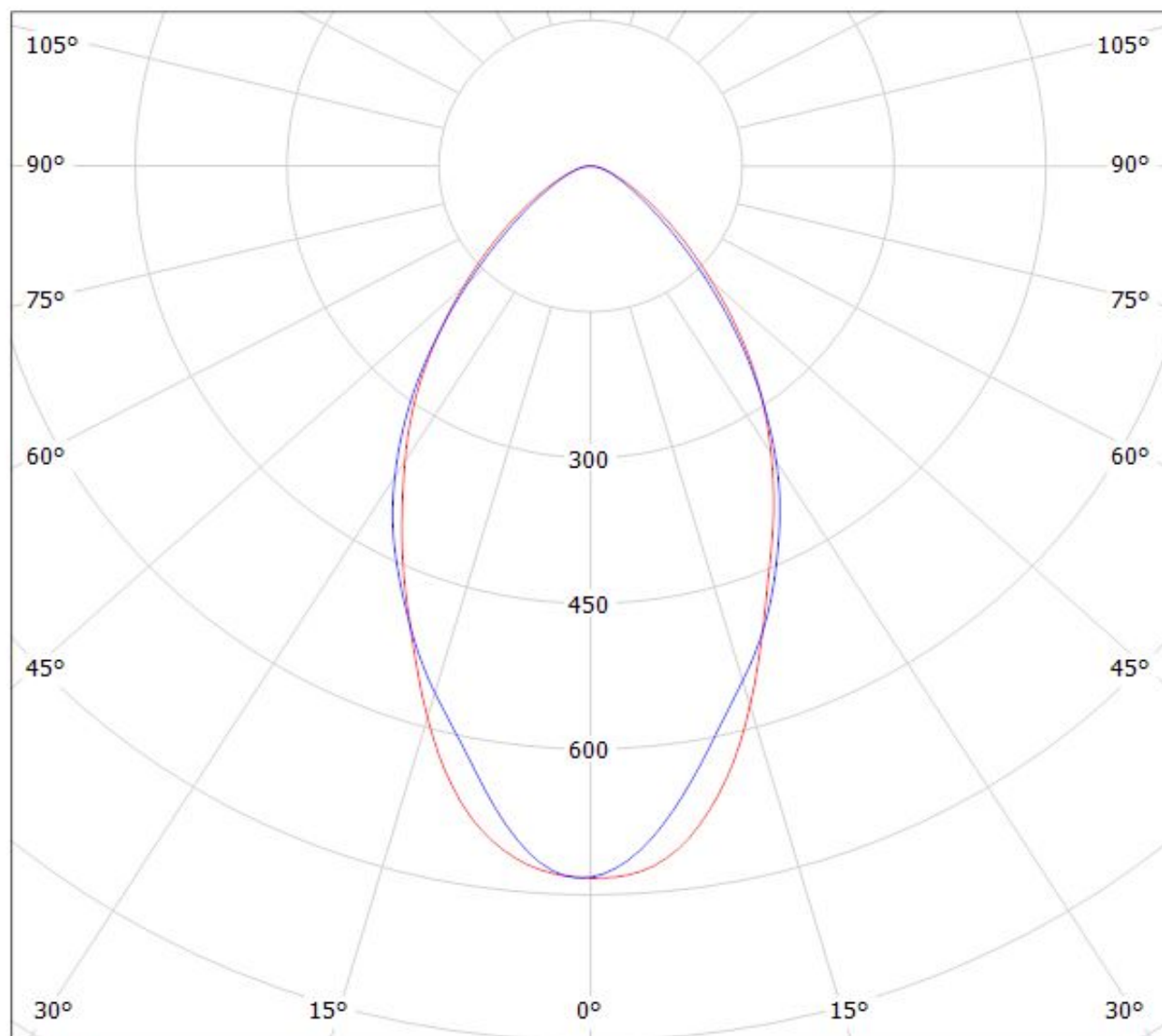
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60 Eff.89.0%

Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



cd/klm

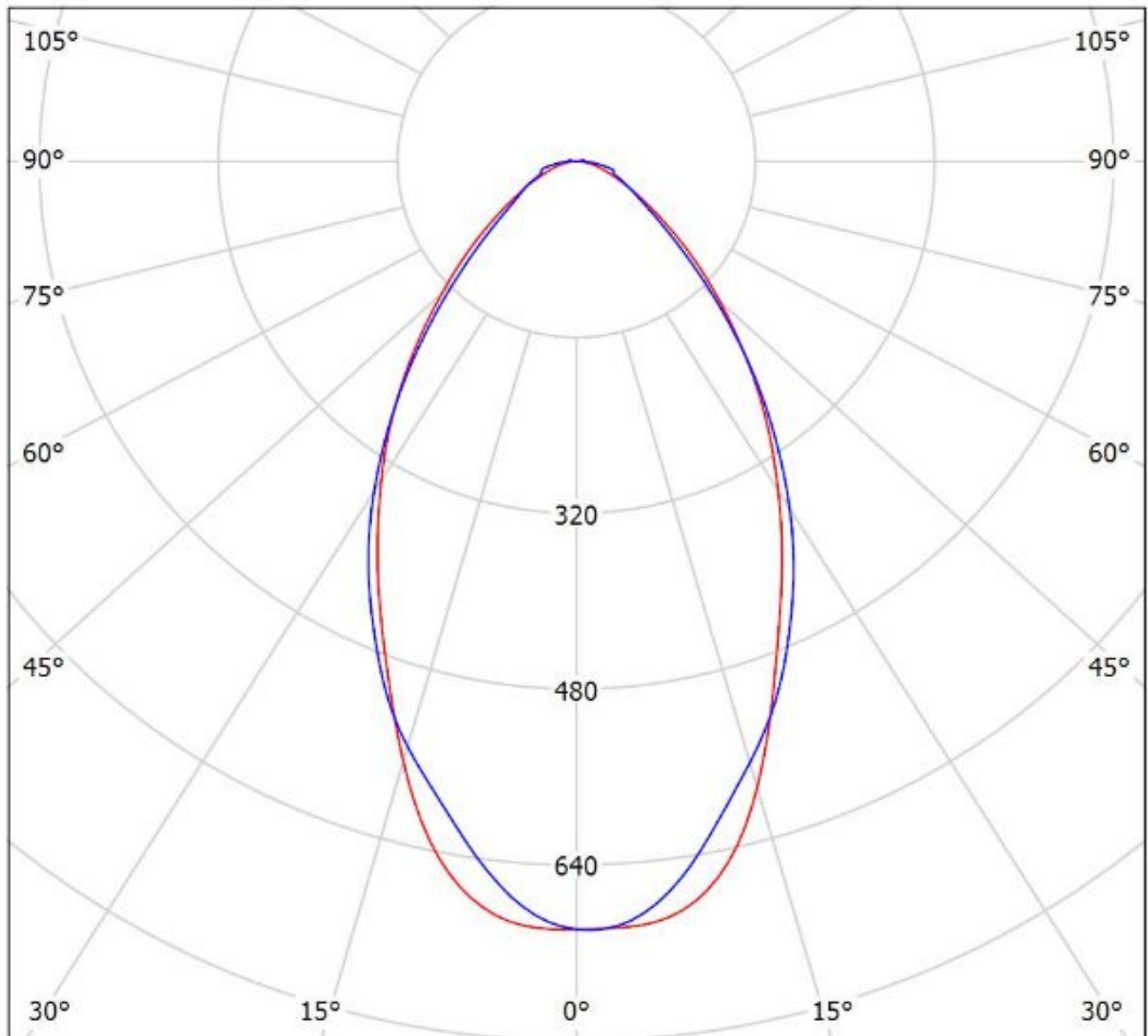
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)

Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



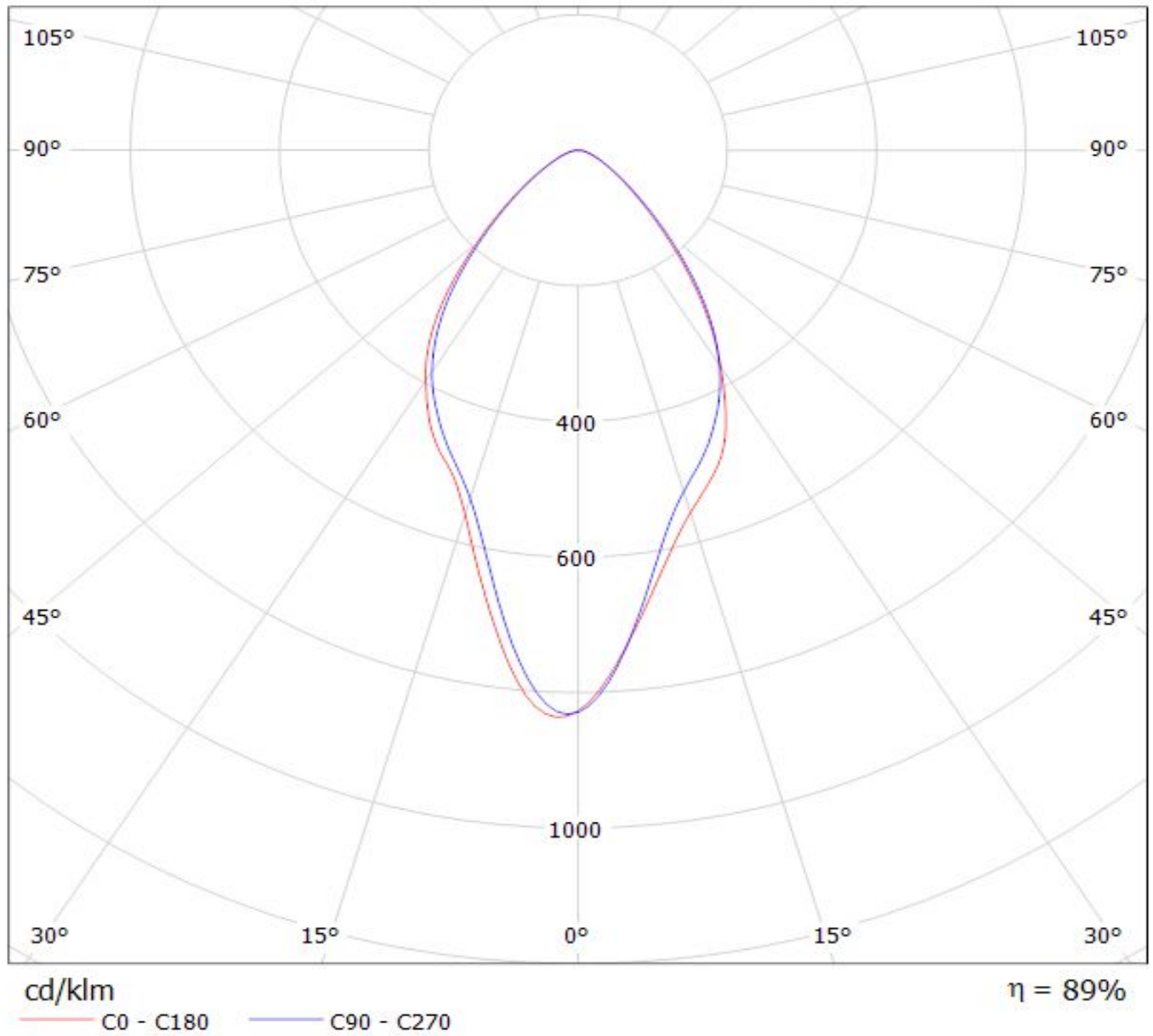
cd/klm

— C0 - C180

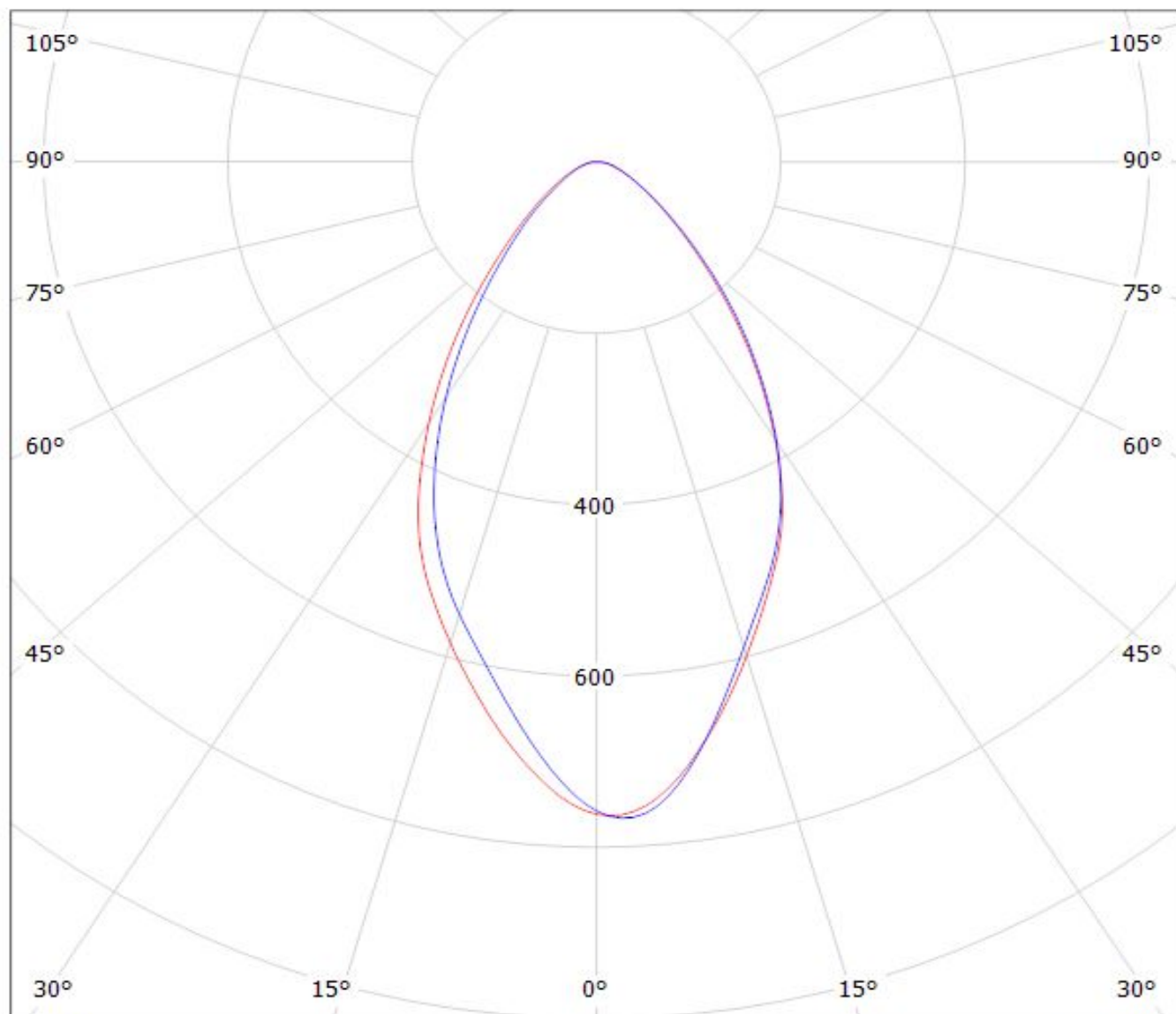
— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LM231B) Eff.88.8%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



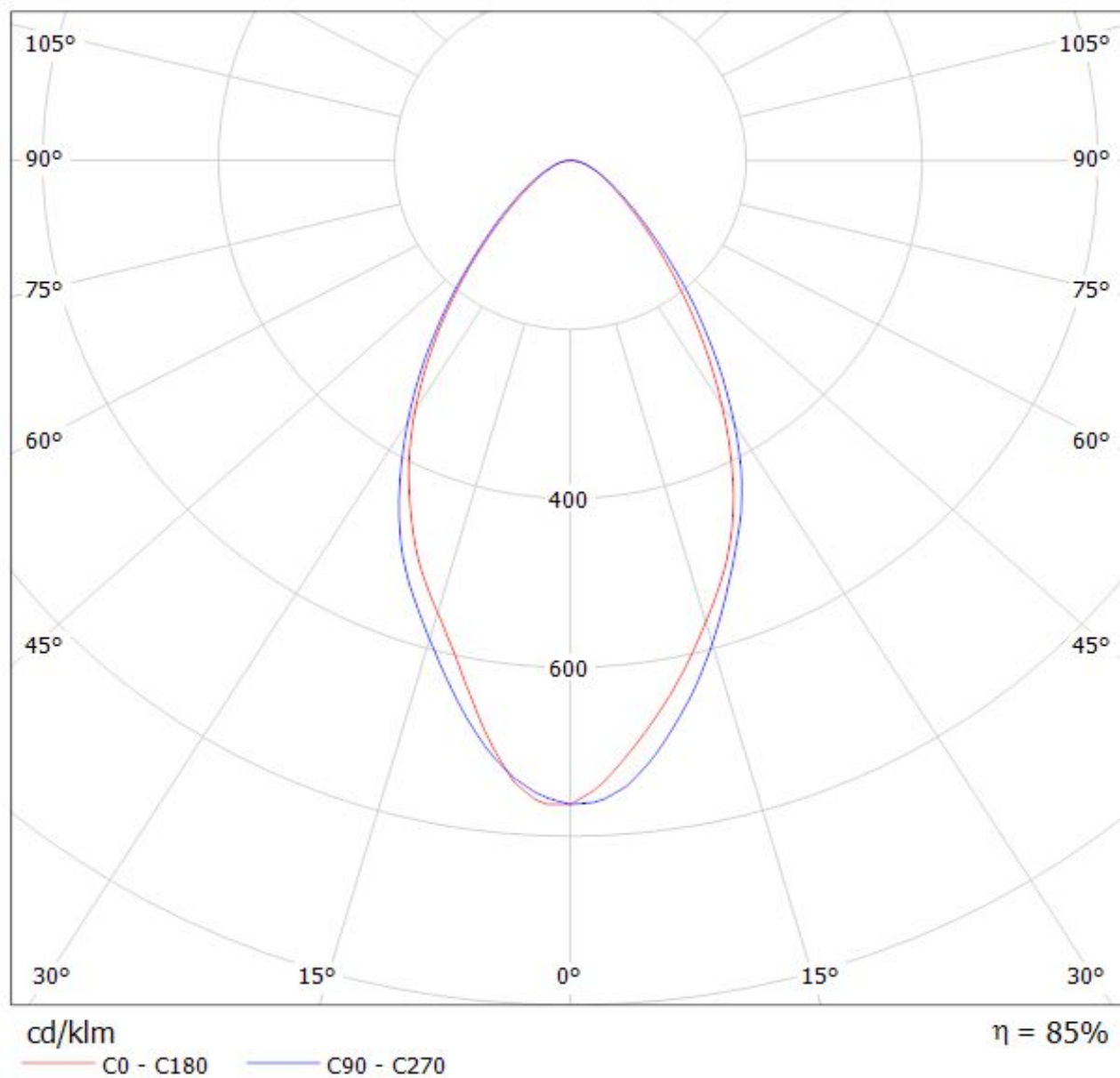
cd/klm

$\eta = 86\%$

— C0 - C180 — C90 - C270

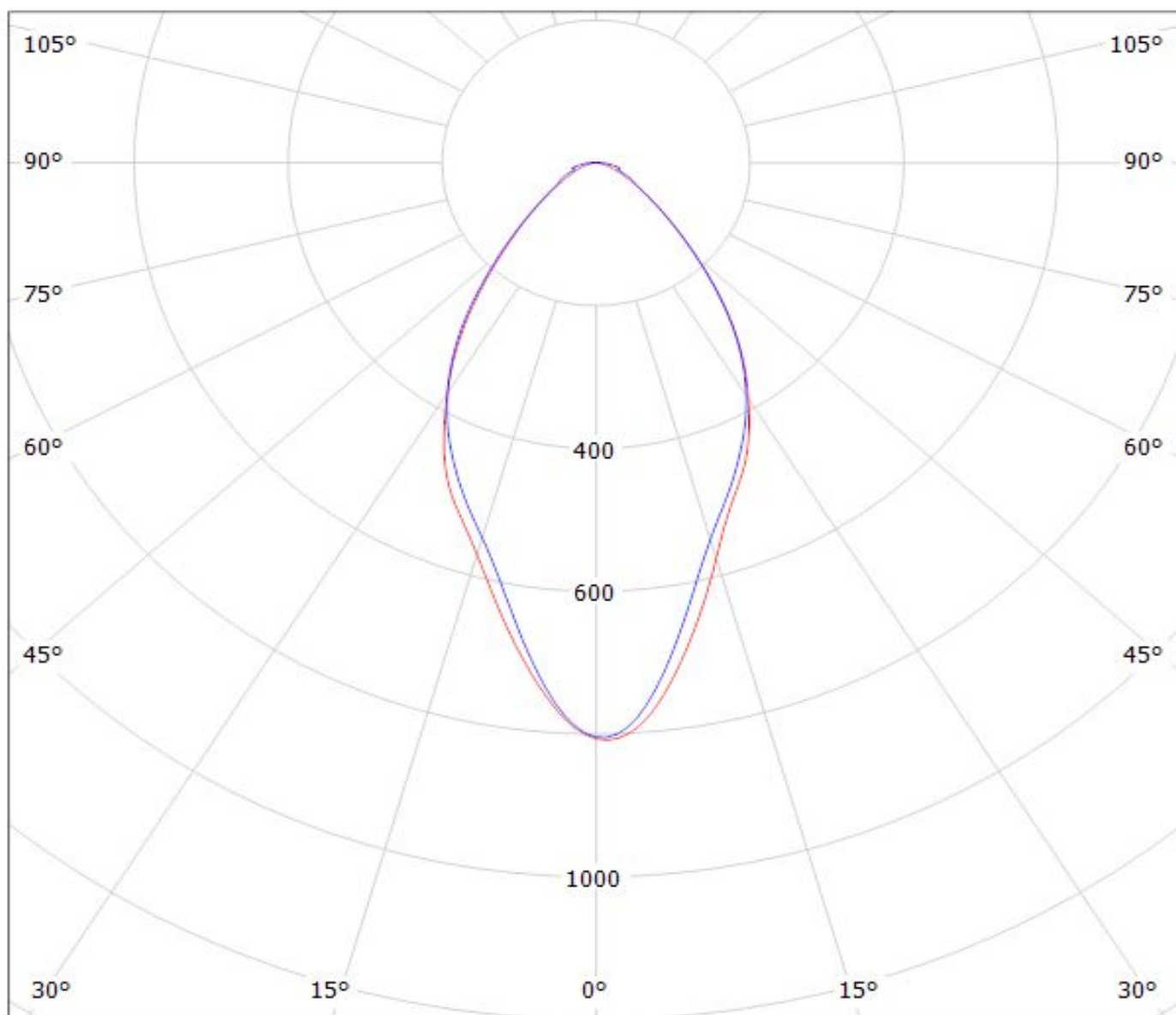
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM362A)

Lamps: 1 x SAMSUNG_LM362A 1387lm@200mA P:12W



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LT-R286A)

Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A



cd/klm

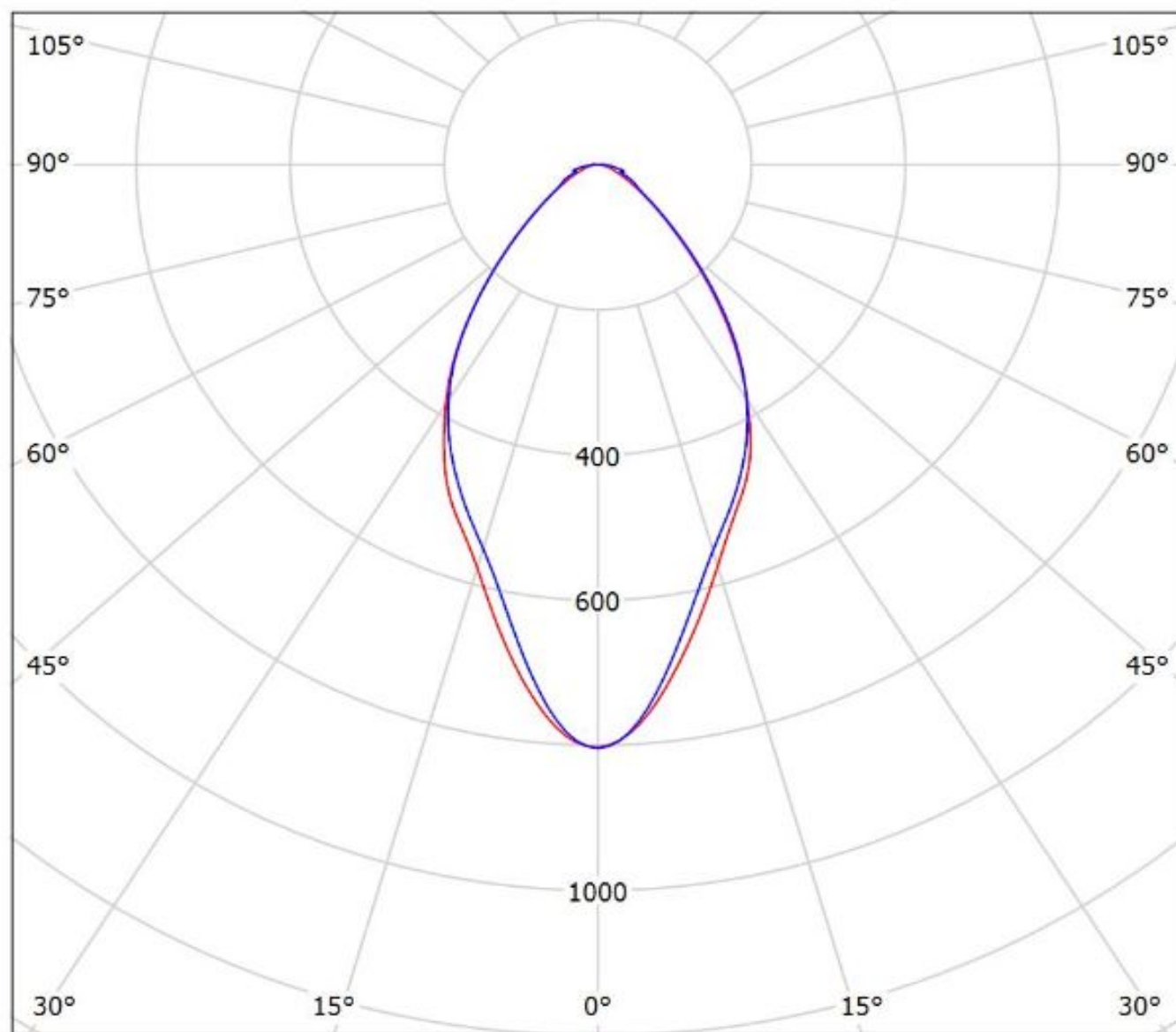
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(LM561B PLUS)

Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A

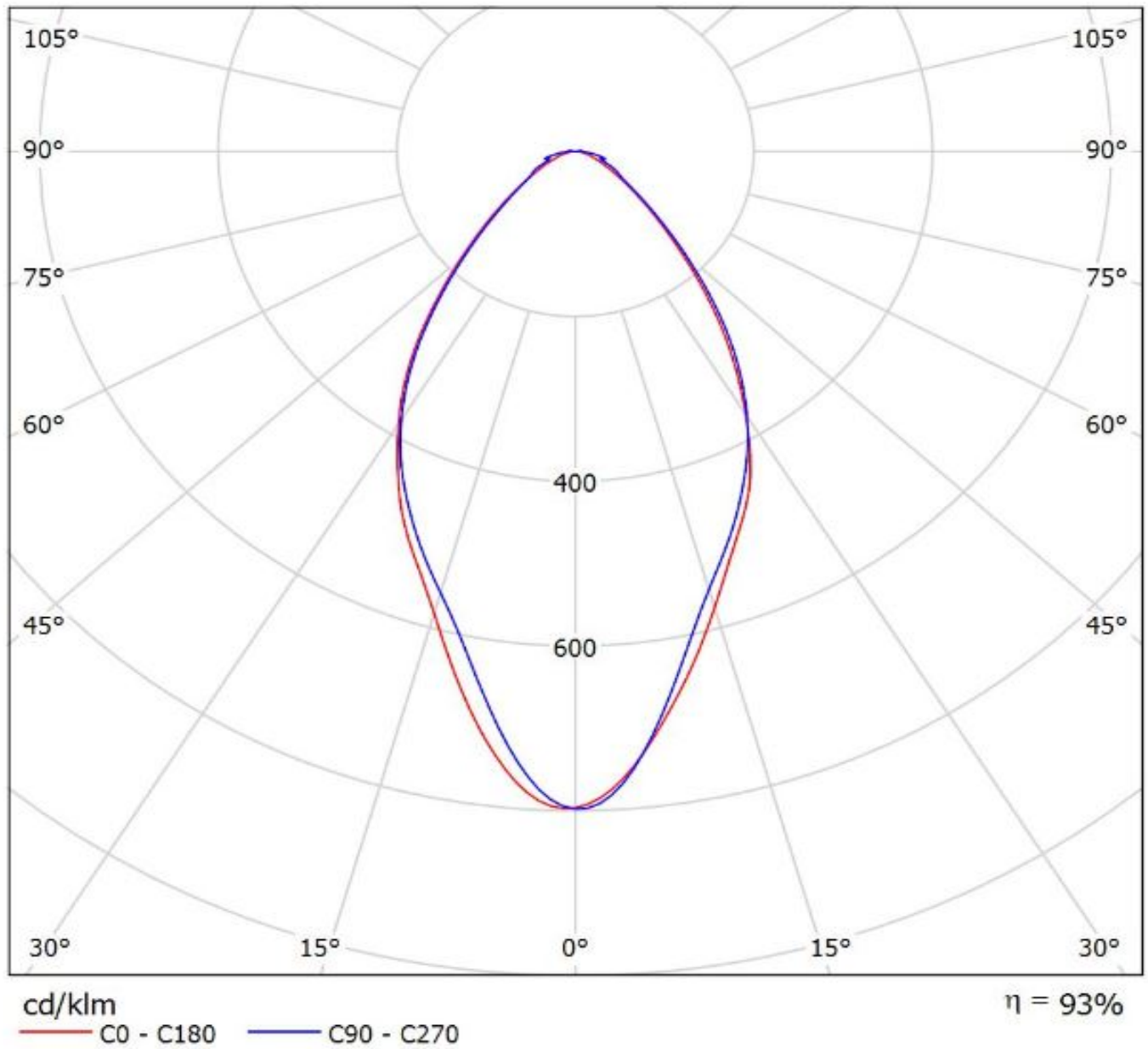


cd/klm

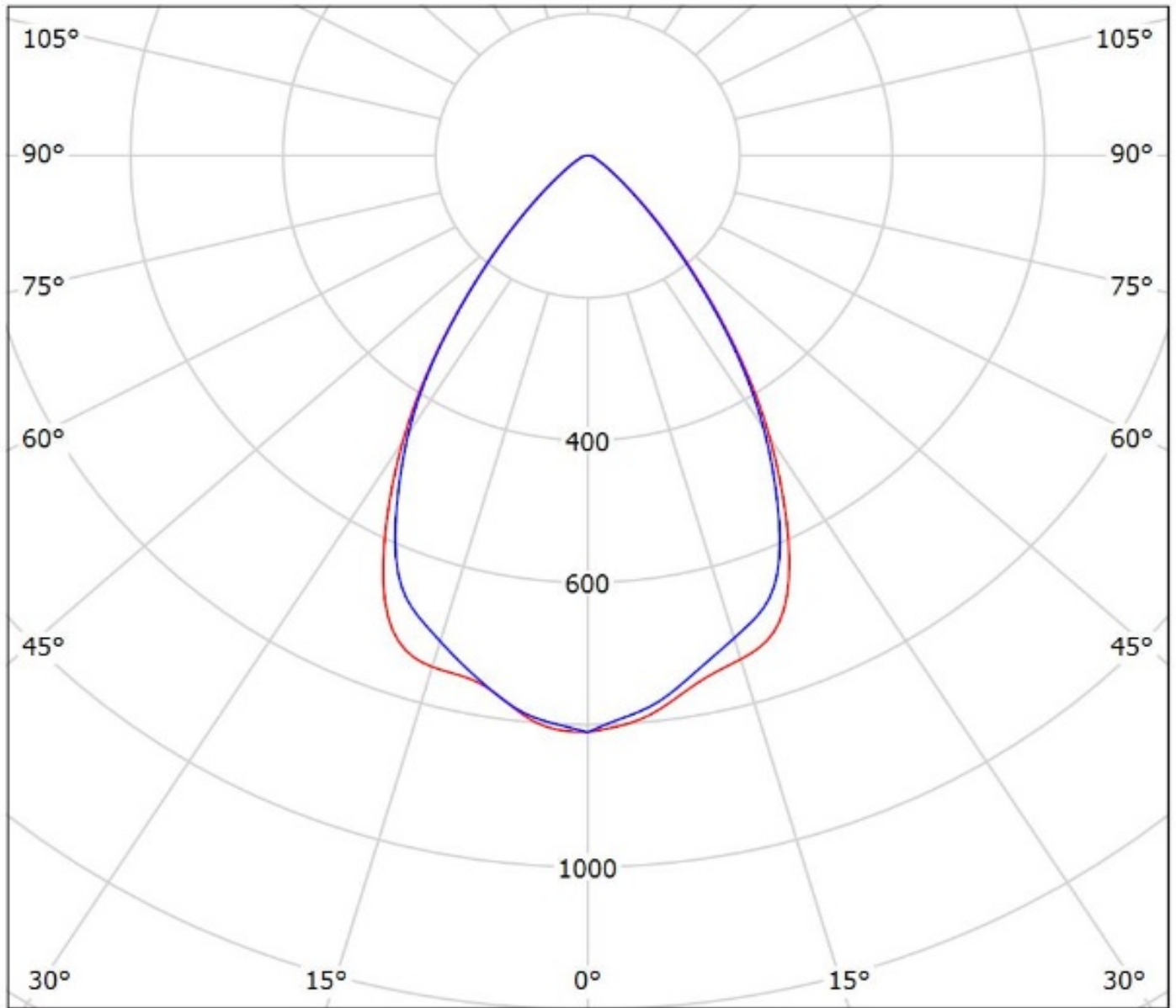
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(LM561C)
Lamps: 1 x Samsung LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A



Luminaire: Ledil Oy F14112_FLORENCE-Z60_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B

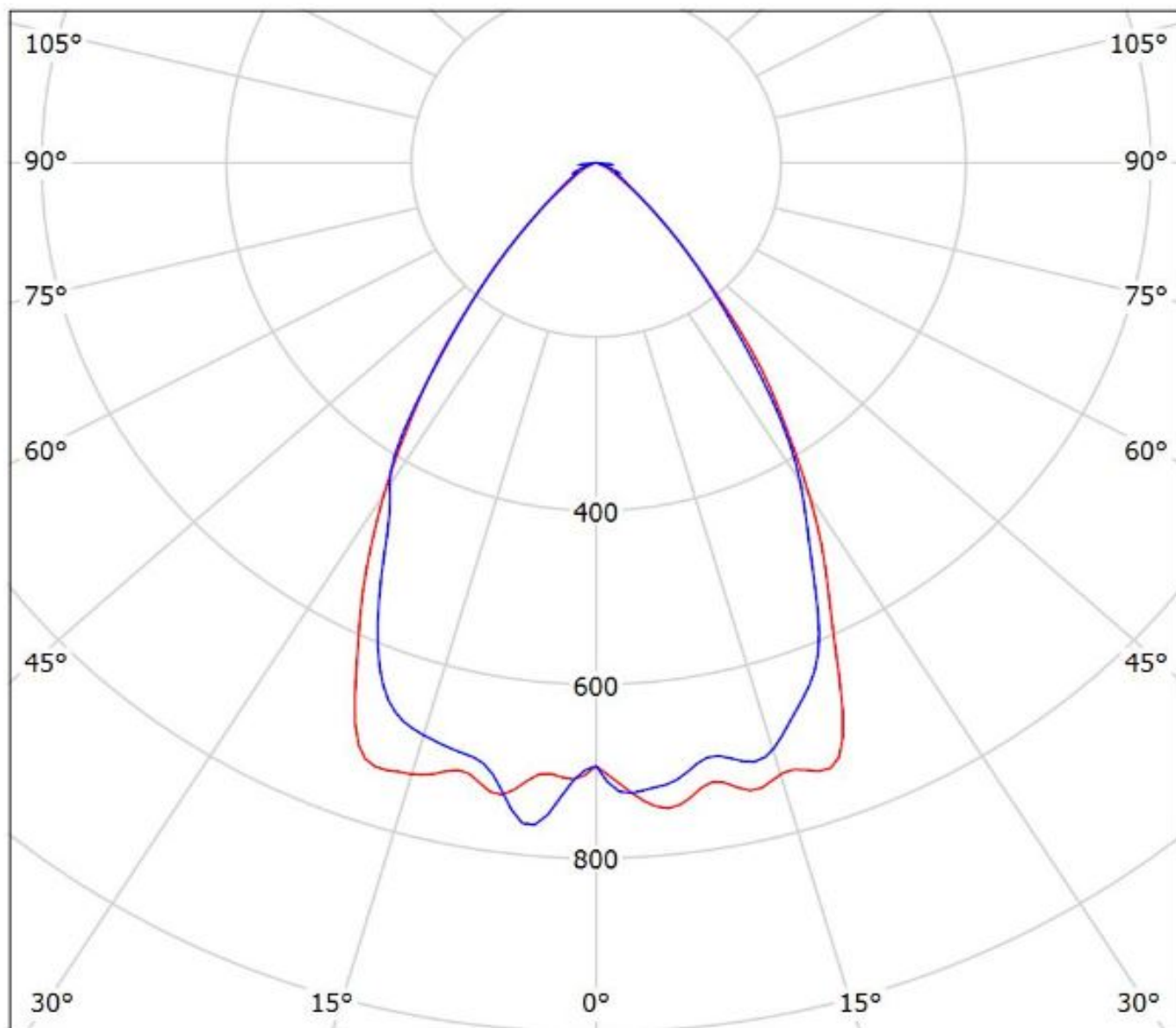


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy F14112_FLORENCE-Z60_SEOUL_5630_C_SIMULATED
Lamps: 1 x SEOUL 5630 C

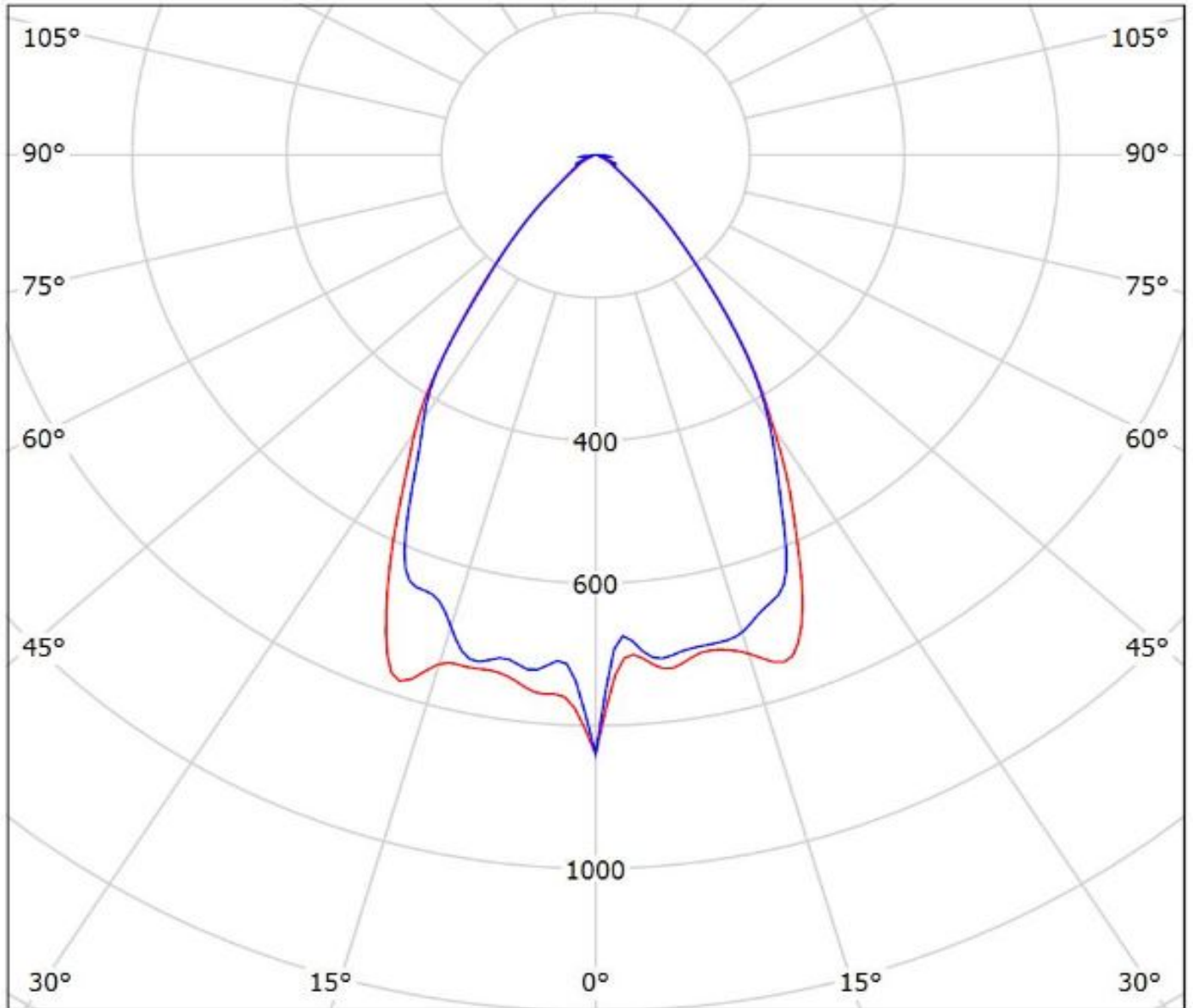


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy F14112_FLORENCE-Z60_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D

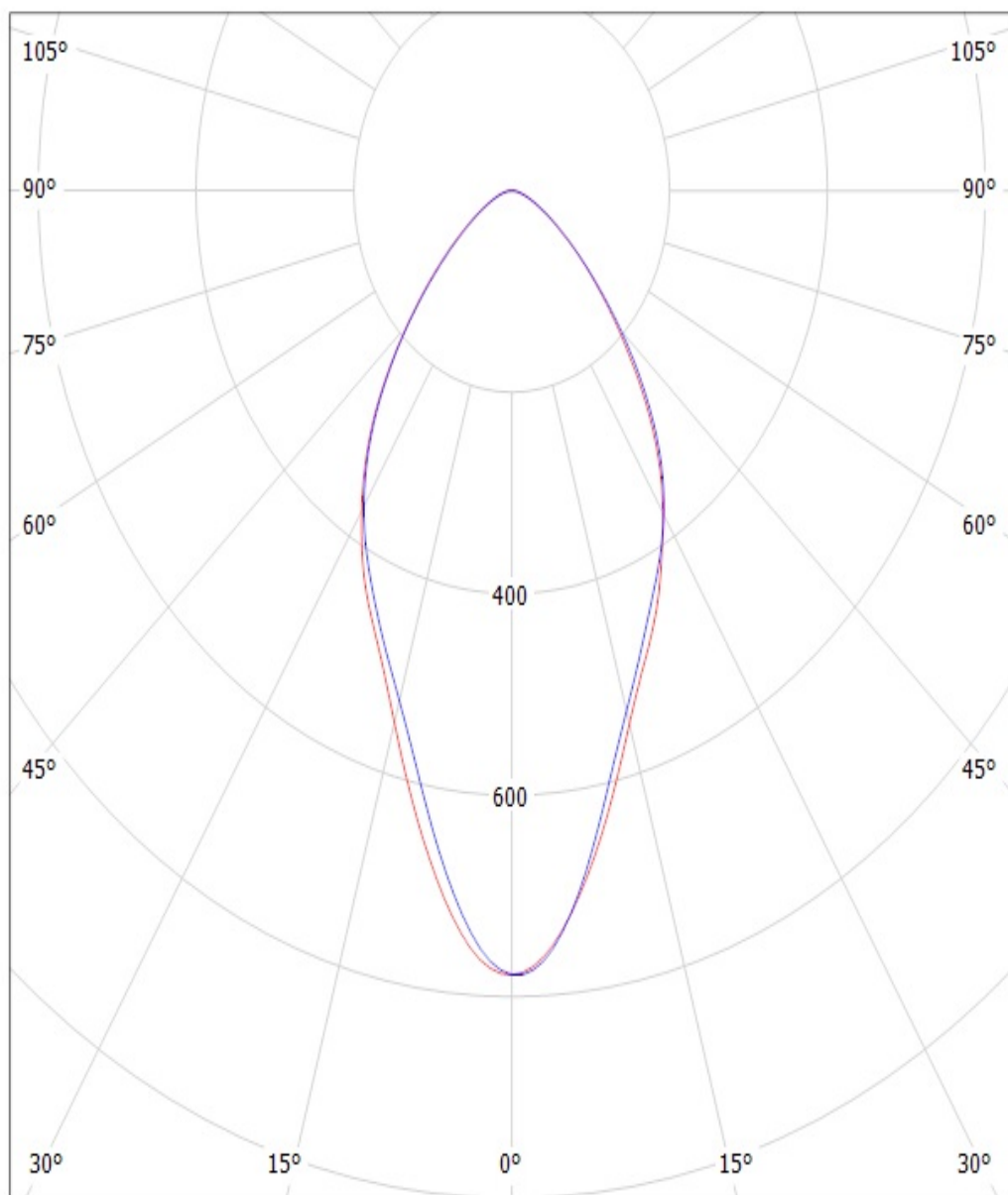


cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(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



cd/klm

$\eta = 91\%$

— 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.