

DETAILS

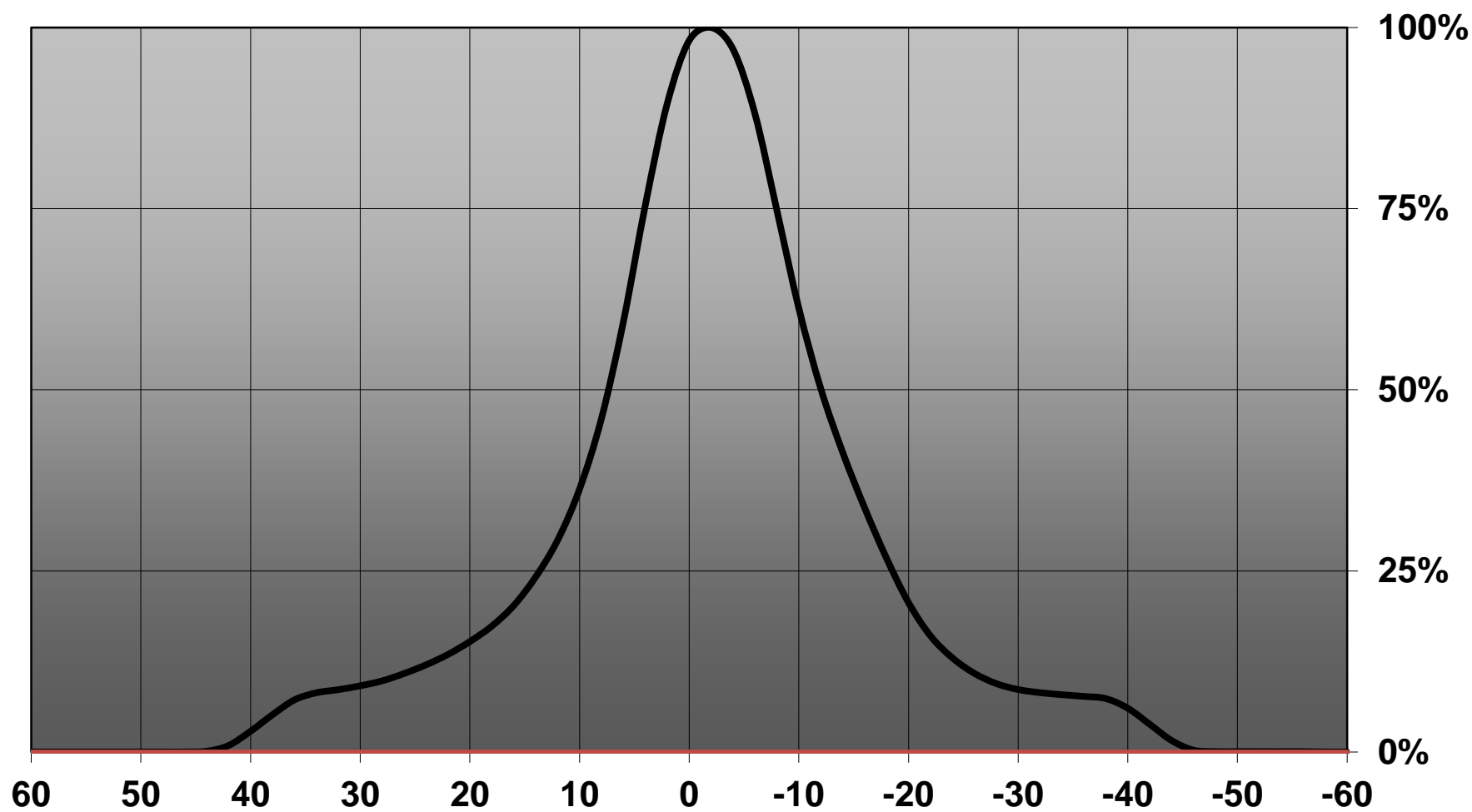
| | |
|------------------------|---------------------|
| Product Number | C12477_MIRELLA-50-M |
| Family | Mirella |
| Type | Reflector |
| Color | metal |
| Diameter | 49,9 mm |
| Height | 23,9 mm |
| Style | round |
| Optic Material | PC |
| Holder Material | |
| Fastening | glue |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 8/03/2016 |



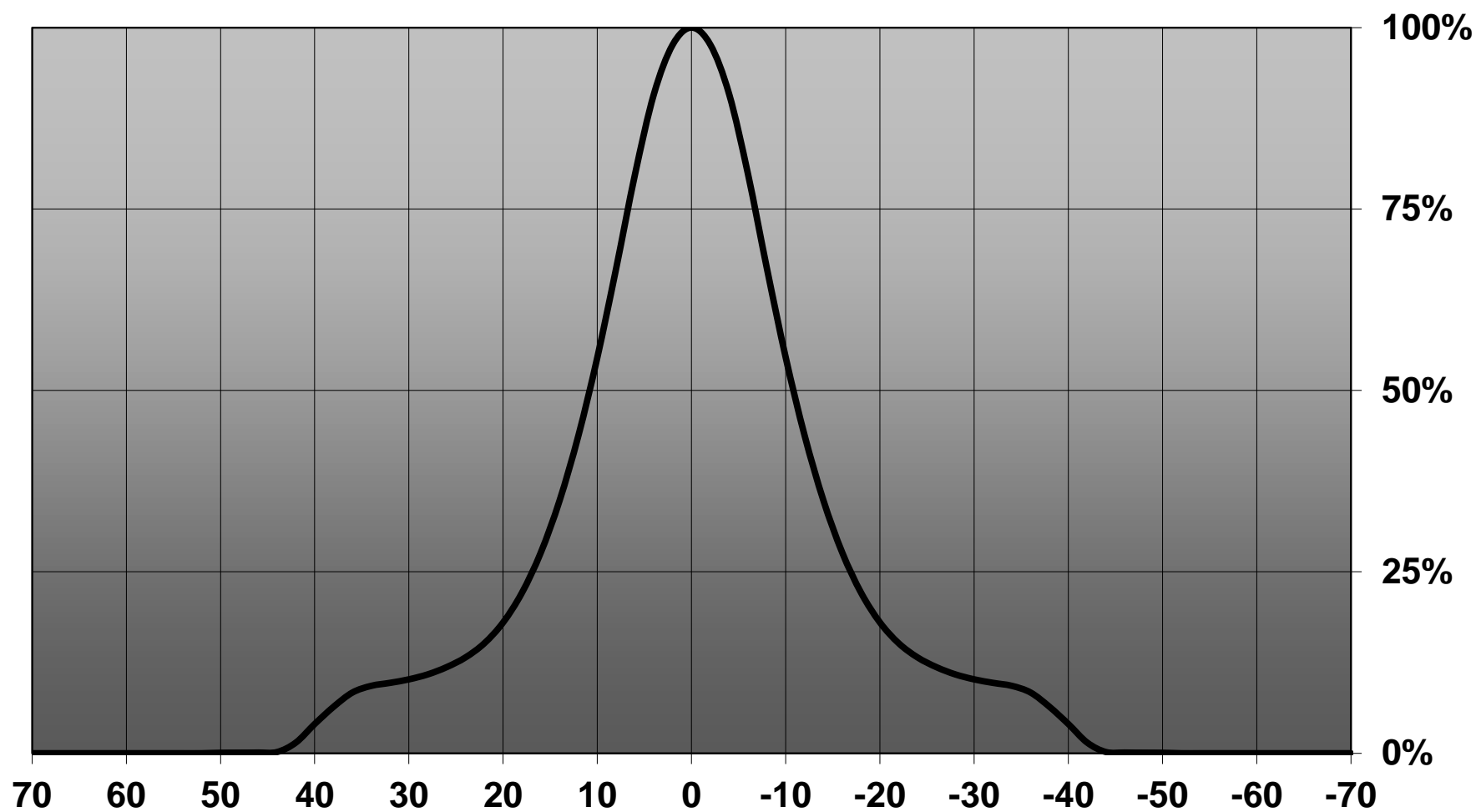
OPTICAL PROPERTIES

| LED | Viewing | Light | Effi- | | |
|-------------------------|---------|--------|-----------|------------|-----------|
| | Angle | Beam | ciency | cd/lm | Connector |
| Duris P10 | sim: 25 | Medium | sim: 91 % | sim: 3.000 | - |
| Soleriq S9 | sim: 31 | Medium | sim: 91 % | sim: 2.300 | - |
| CXA/B 13xx | 20 deg | Medium | 85 % | 3.700 | - |
| SLE G5 LES6 | 21 deg | Medium | 89 % | 3.560 | - |
| LUXEON S1000 | 22 deg | Medium | - | sim: 0.000 | - |
| CLU700 | 22 deg | Medium | 90 % | 3.500 | - |
| COB 4W | 23 deg | Medium | 90 % | 3.600 | - |
| Duris S10 | 24 deg | Medium | 88 % | 3.300 | - |
| Mini Zenigata (GW6BM) | 25 deg | Medium | 90 % | 2.700 | - |
| XHP50 | 25 deg | Medium | 91 % | 2.600 | - |
| NSCxL036A | 26 deg | Medium | 88 % | 2.800 | - |
| ZC4/6 | 26 deg | Medium | 87 % | 2.800 | - |
| STARK SLE PURE G3 LES10 | 26 deg | Medium | 86 % | 2.700 | - |
| CLU710 | 26 deg | Medium | 90 % | 2.600 | - |
| BXRA LS | 27 deg | Medium | 89 % | 2.800 | - |
| CXA/B 15xx | 28 deg | Medium | 92 % | 2.500 | - |
| CLL01x | 29 deg | Medium | - | 3.200 | - |
| Mini Zenigata (GW5BM) | 29 deg | Medium | 90 % | 2.700 | - |
| NSBxL066A/NFCxL036B | 29 deg | Medium | 90 % | 2.400 | - |
| LUXEON CoB 1202/1203 | 29 deg | Medium | 89 % | 2.400 | - |
| CXM-9 | 29 deg | Medium | 90 % | 2.300 | - |
| MT-G2 | 30 deg | Medium | 90 % | 2.300 | - |
| XHP70 | 30 deg | Medium | 91 % | 2.300 | - |
| MHD-E/G | 30 deg | Medium | 93 % | 2.100 | - |
| SLE G5 LES11 | 30 deg | Medium | 89 % | 2.210 | - |

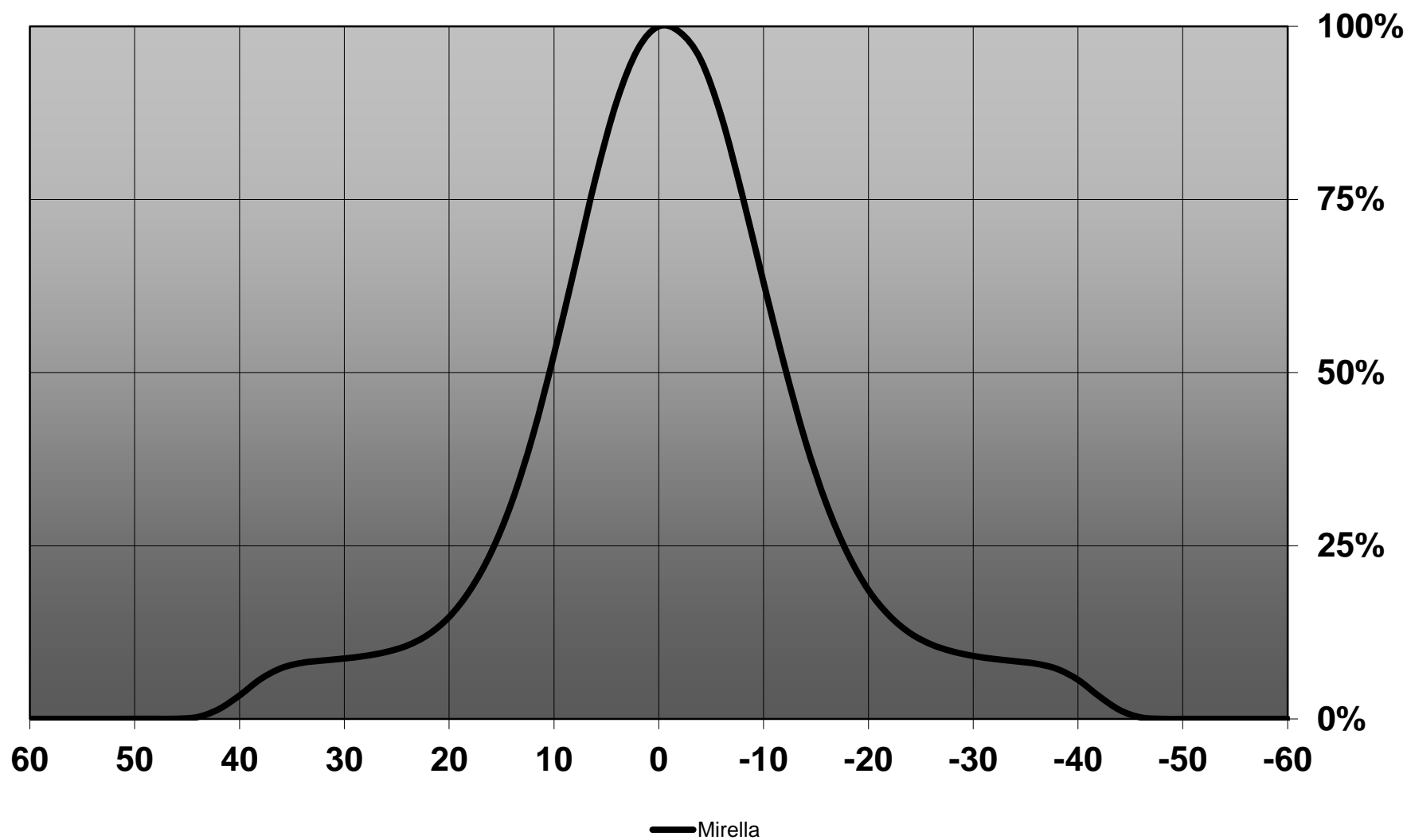
Relative intensity of C12477_MIRELLA-50-M_(CXA1304)



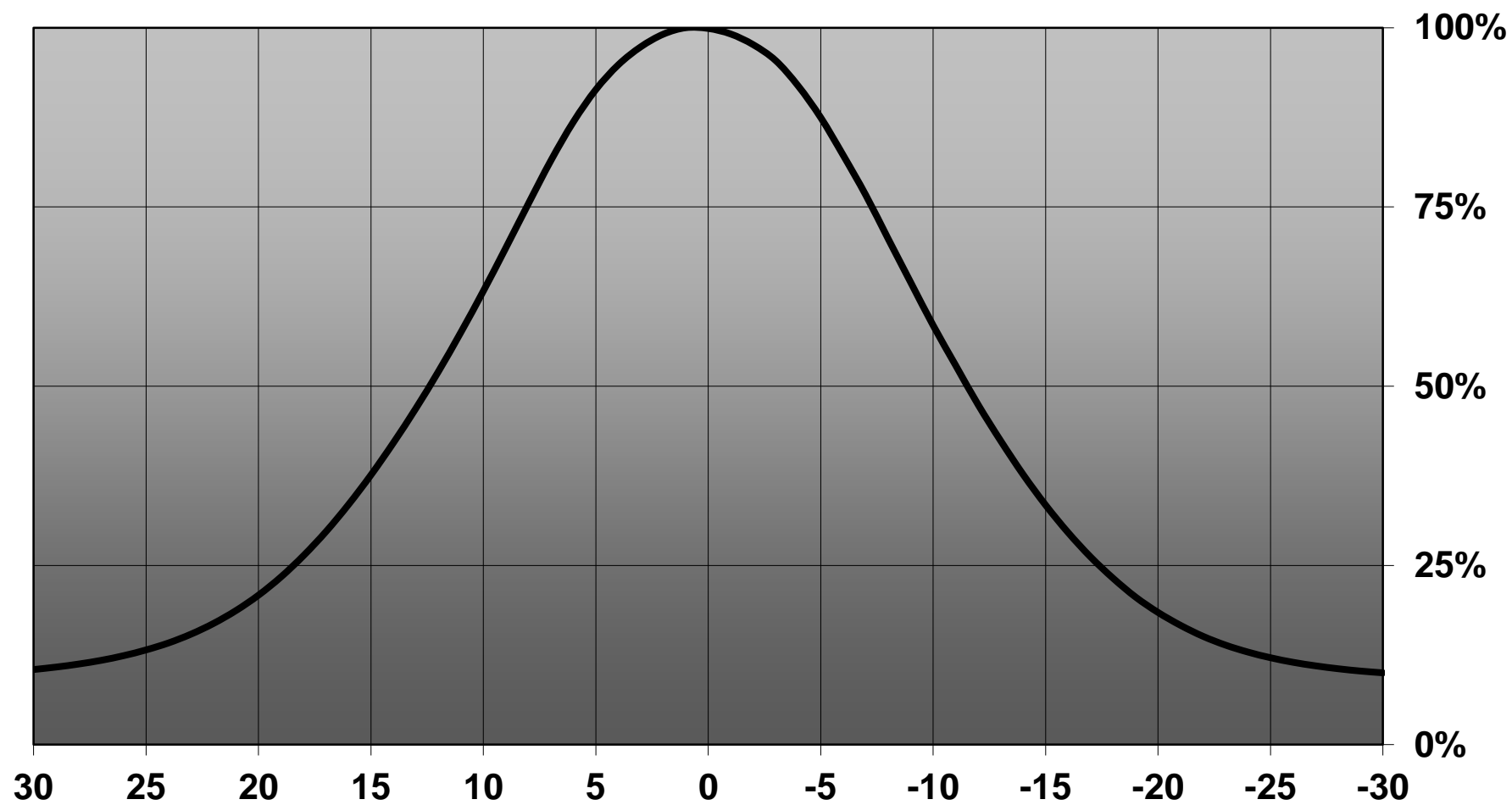
Relative intensity of C12477_Mirella_50-M_(Luxeon_S)



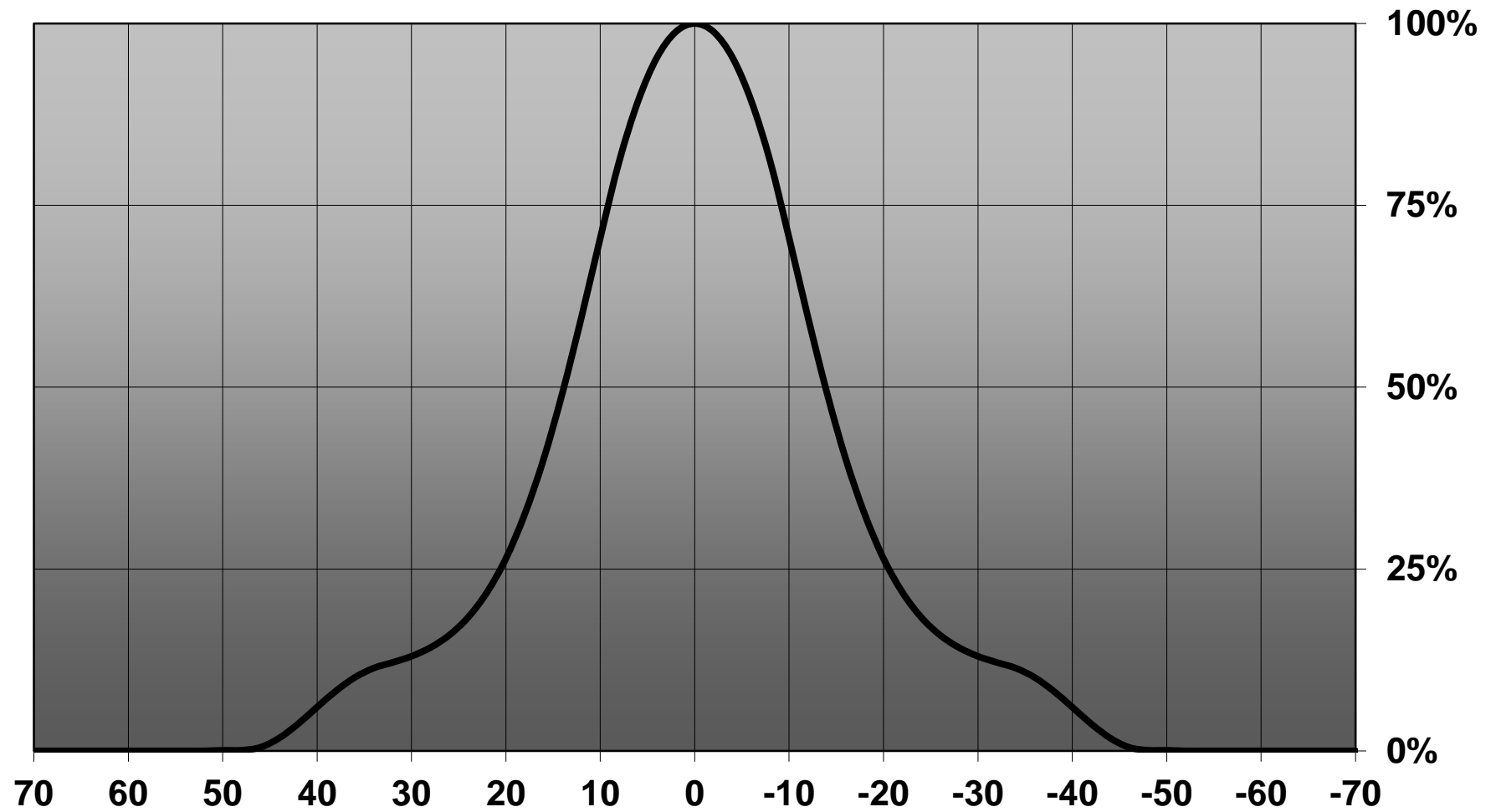
Relative intensity of Mirella-M-4WLG



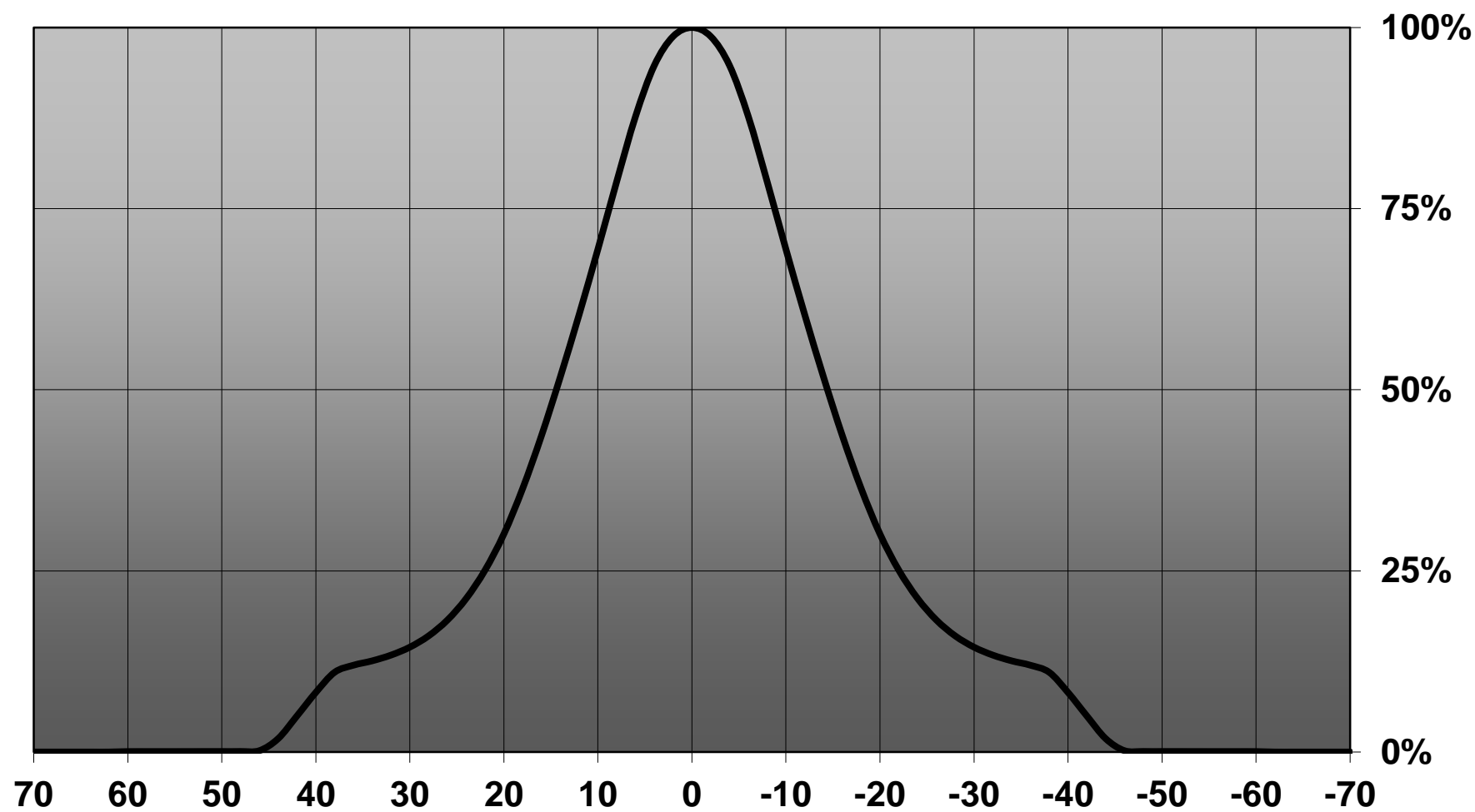
Relative intensity of C12477_MIRELLA-50-M_(Duris_S10)



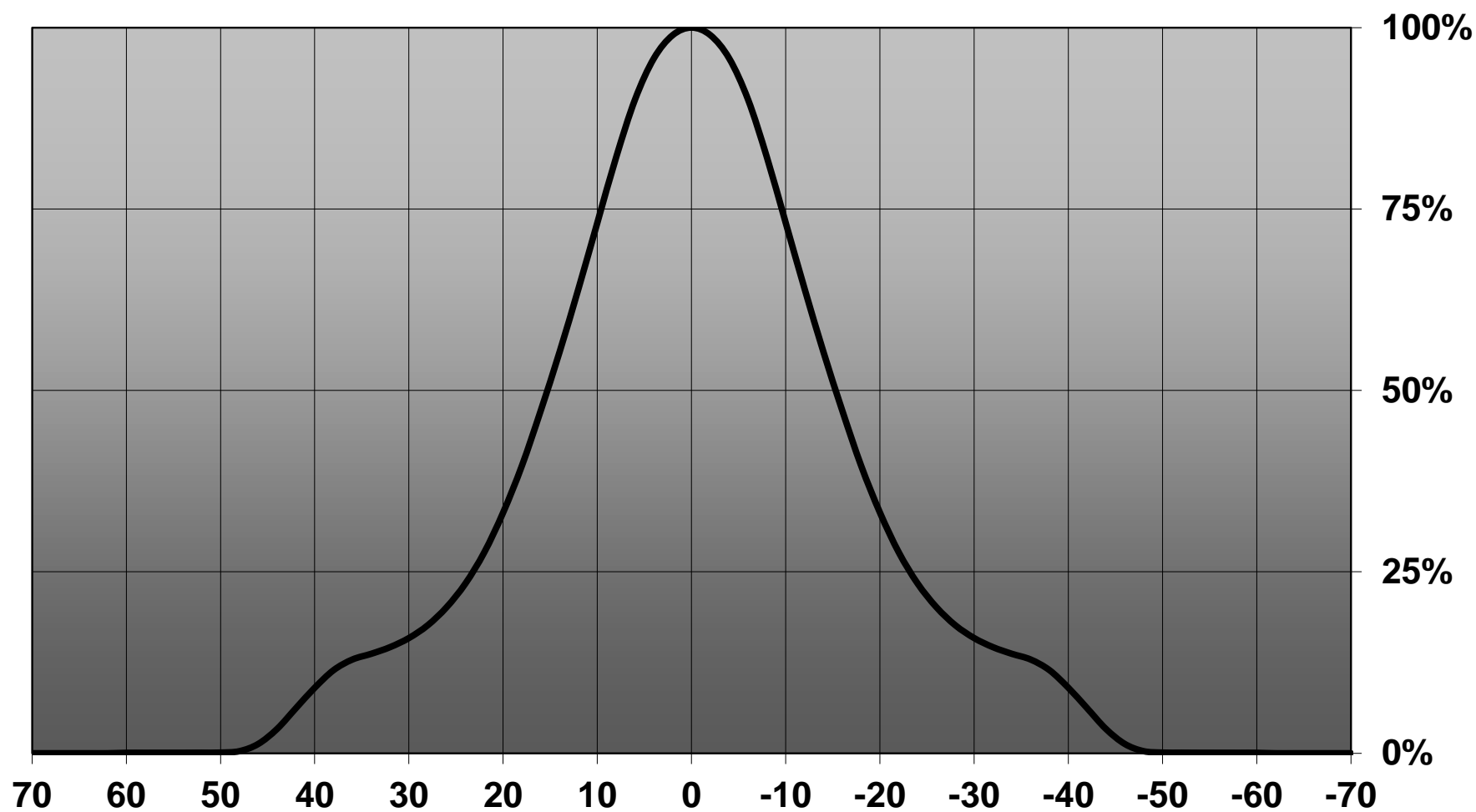
Relative intensity of C12477_MIRELLA-50-M



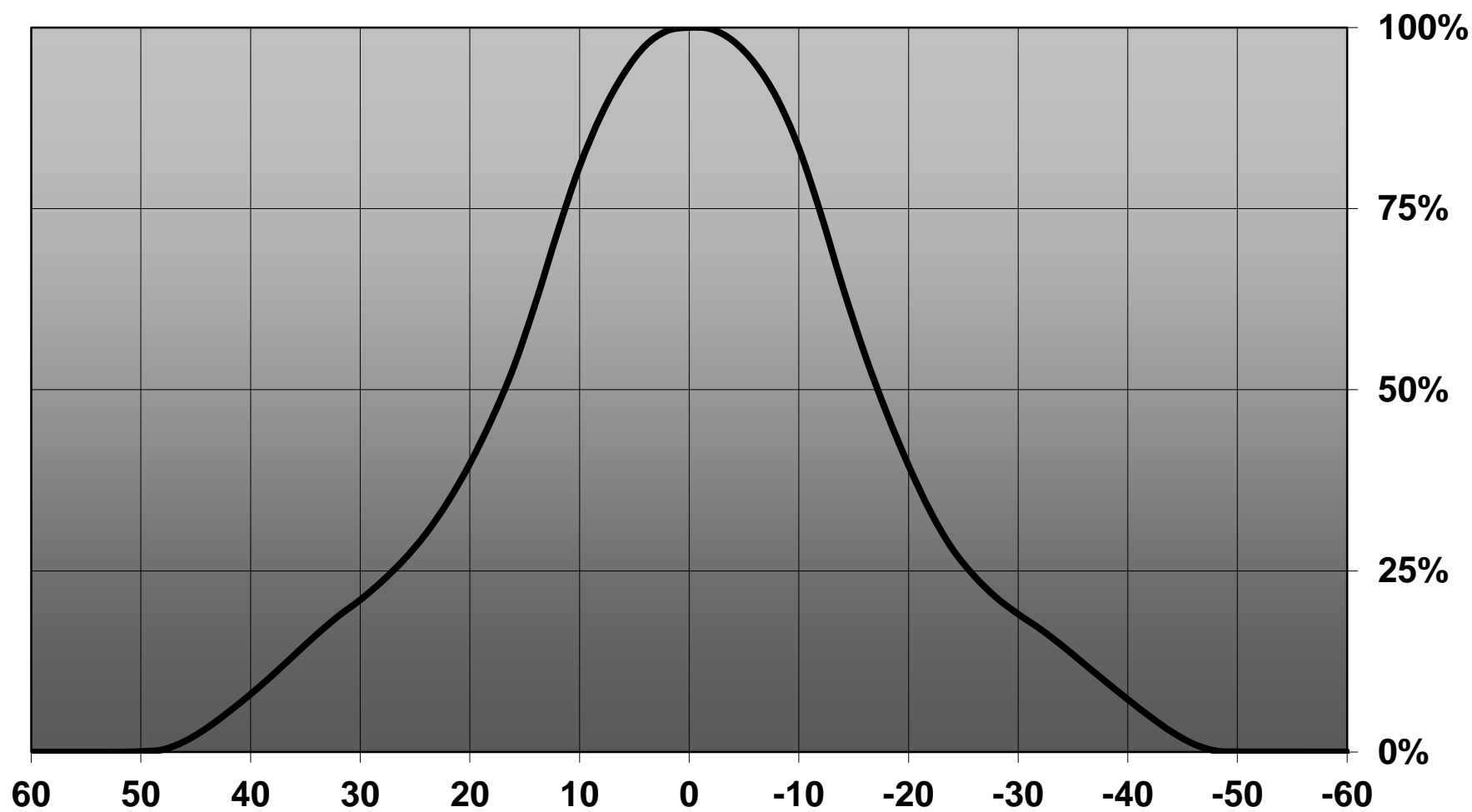
Relative intensity of C12477_Mirella_50-M_(CLL010)



Relative intensity of C12477_Mirella_50-M_(MTG_Gen_II)



Relative intensity of C12477_MIRELLA-50-M_(CXA1816)

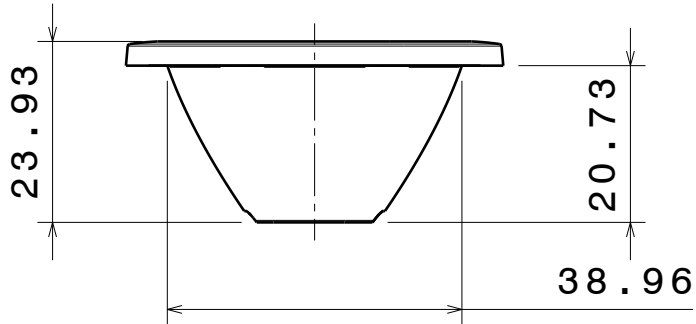


D

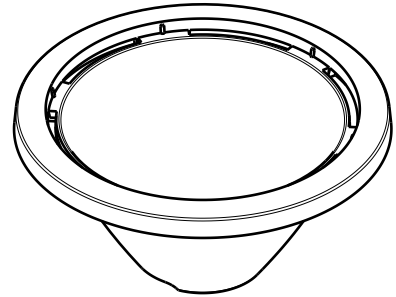
C

B

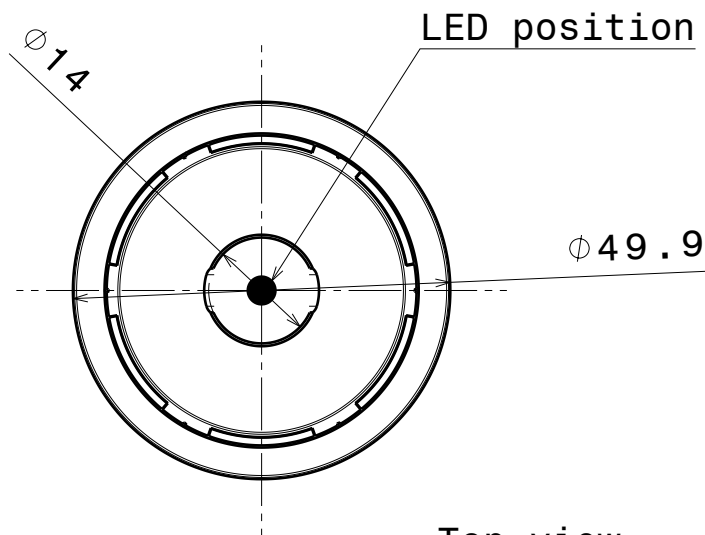
A



Front view



Isometric view



Top view

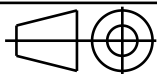
| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|--------------|----------|--------|
| 1 | C12477 | MIRELLA-50-M | PC | metal |

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: 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

C12477_MIRELLA-50-M

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

SIZE

A4

PART NUMBER

C12477

SCALE

1:1

WEIGHT

4,35 g

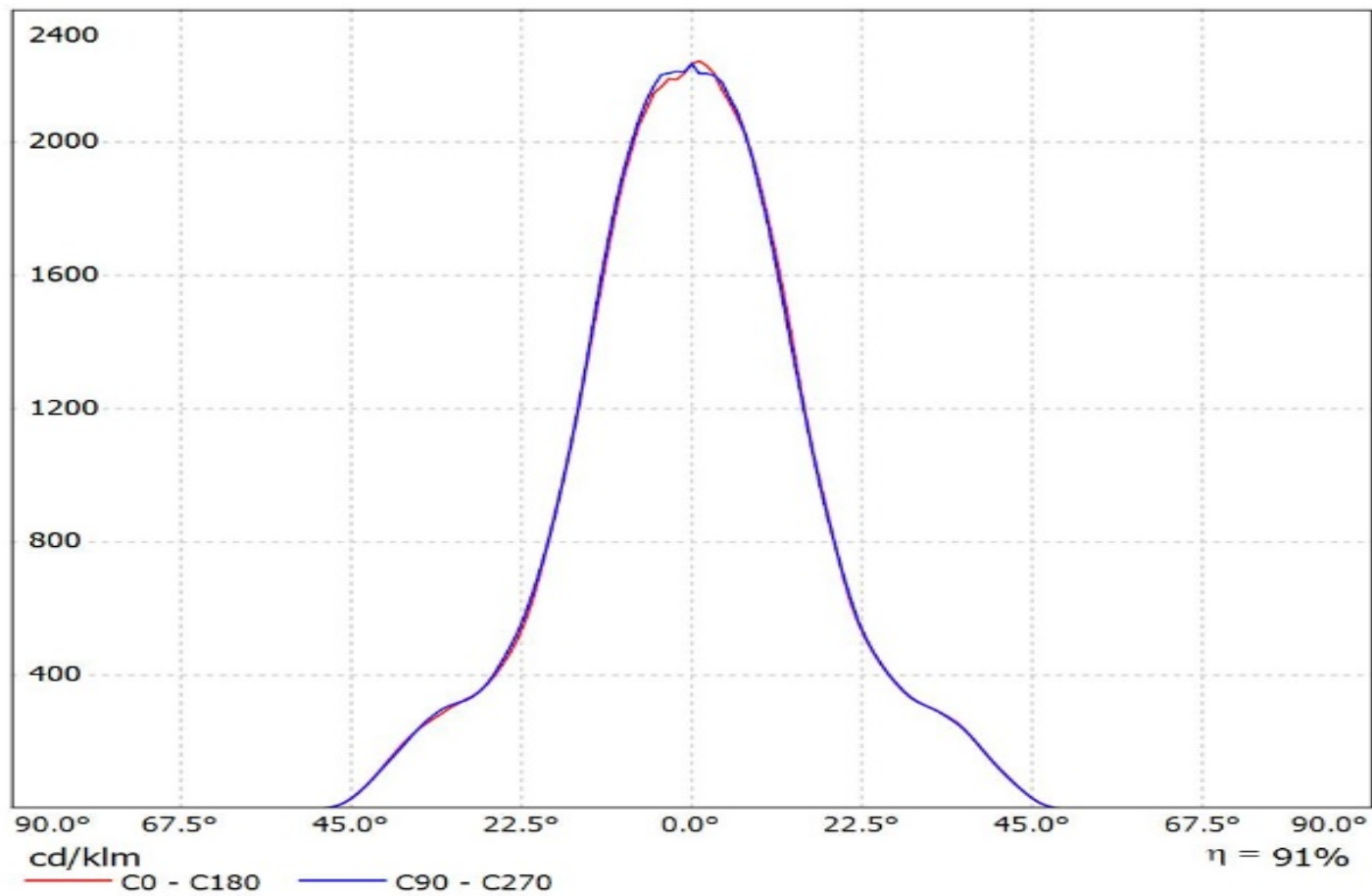
SHEET

1/1

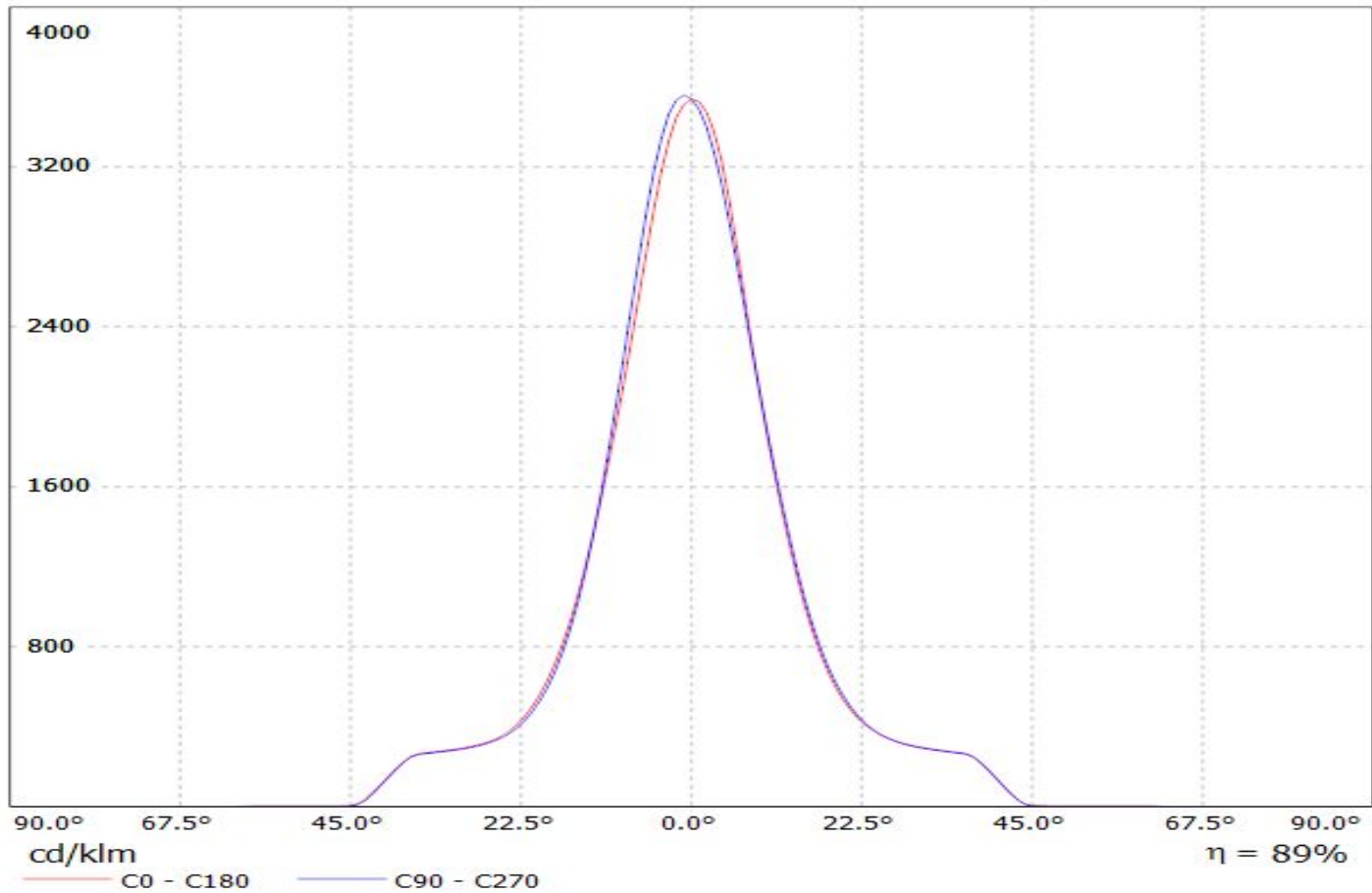
D

A

Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

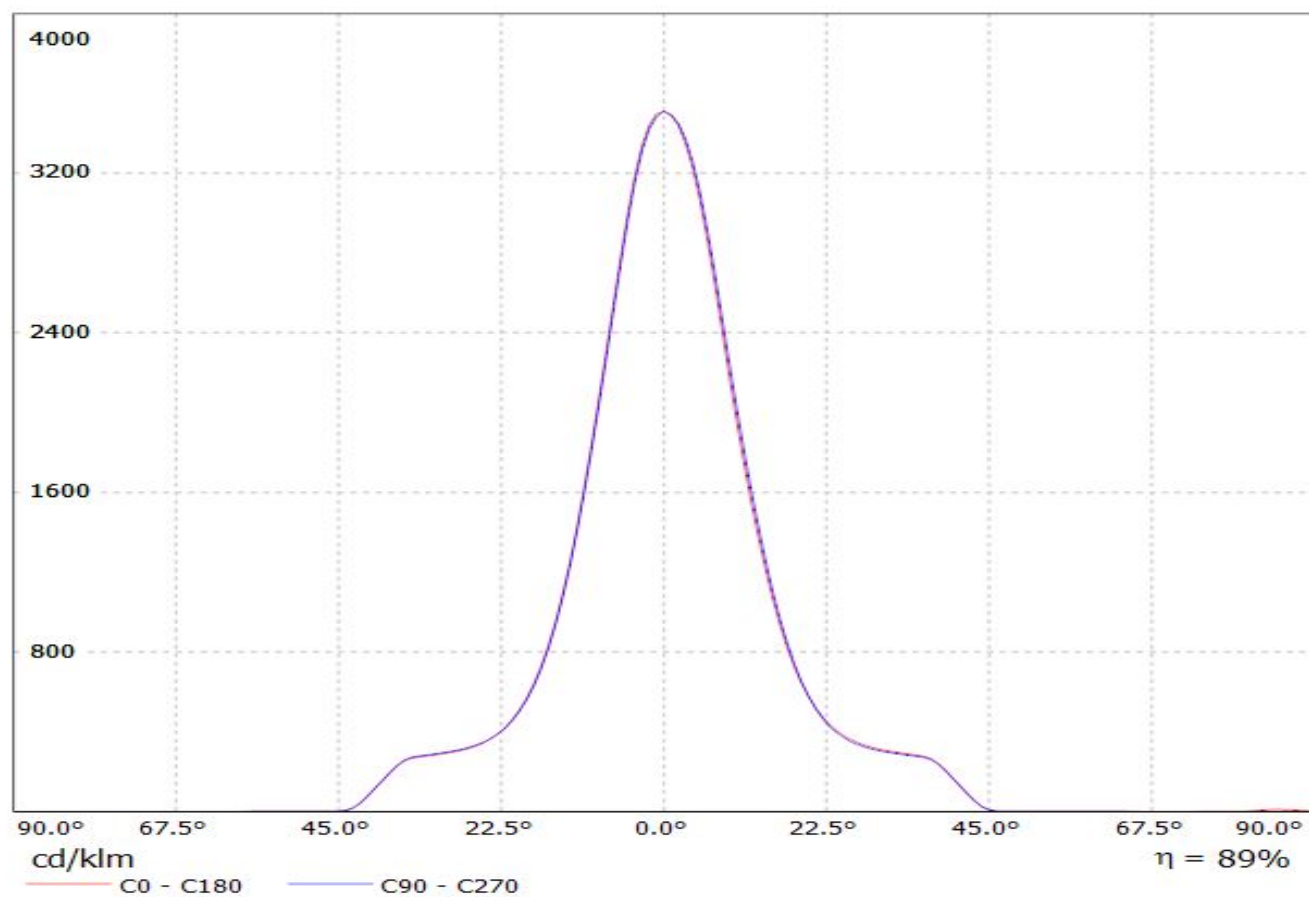


Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_470.59lm@100mA_P=3.3748W_I=0.100A

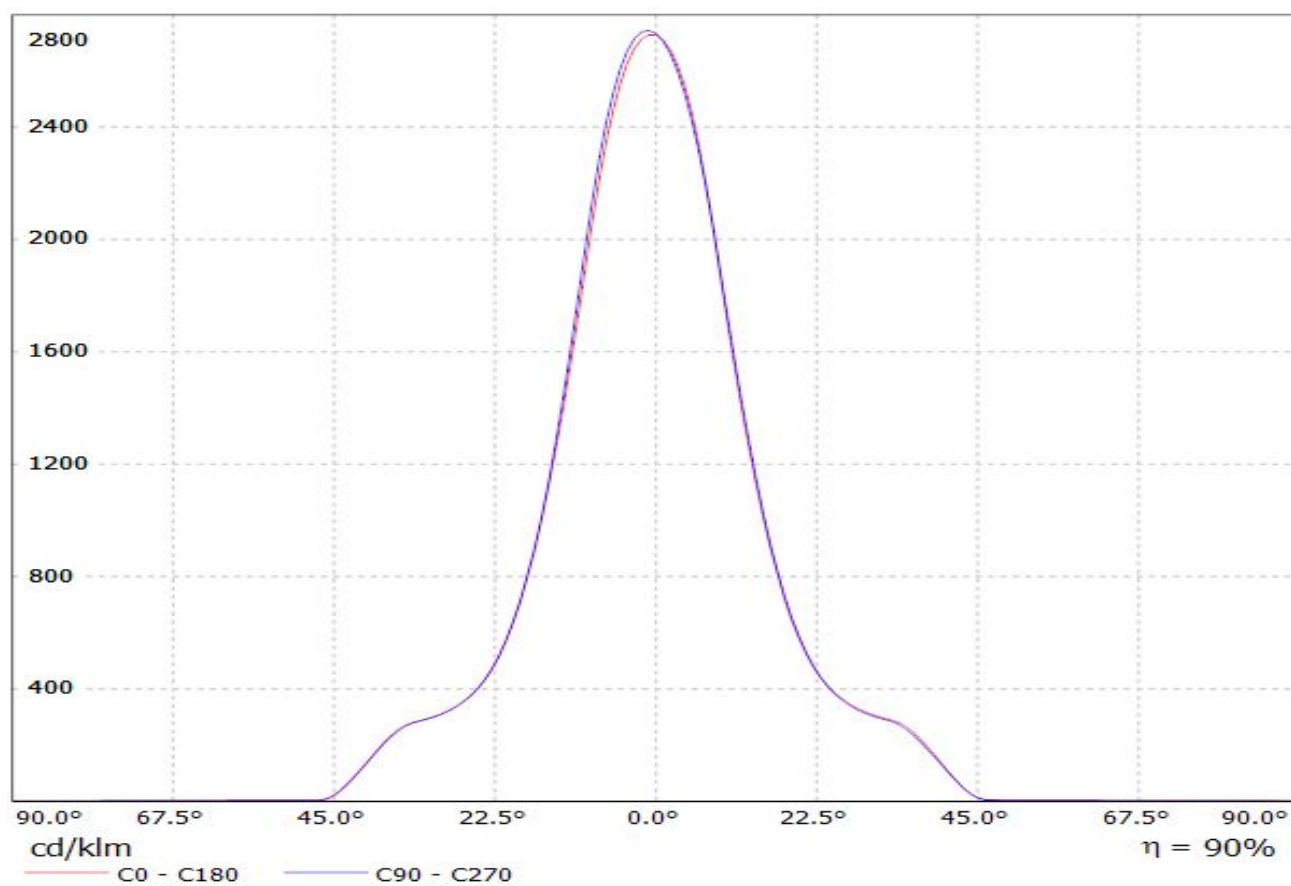


Luminaire: LEDiL Oy C12477_MIRELLA-50-M (CLU700)

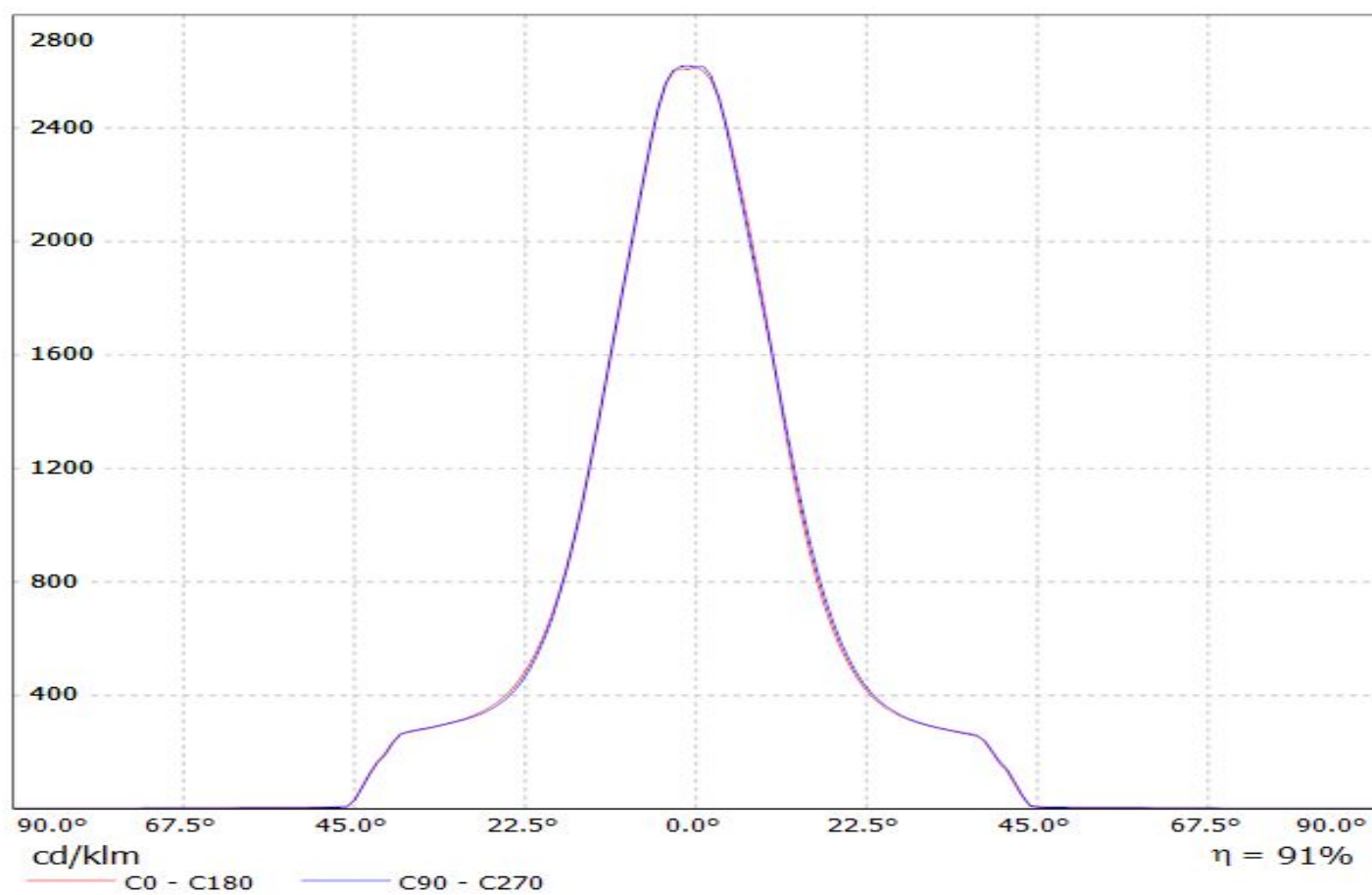
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A



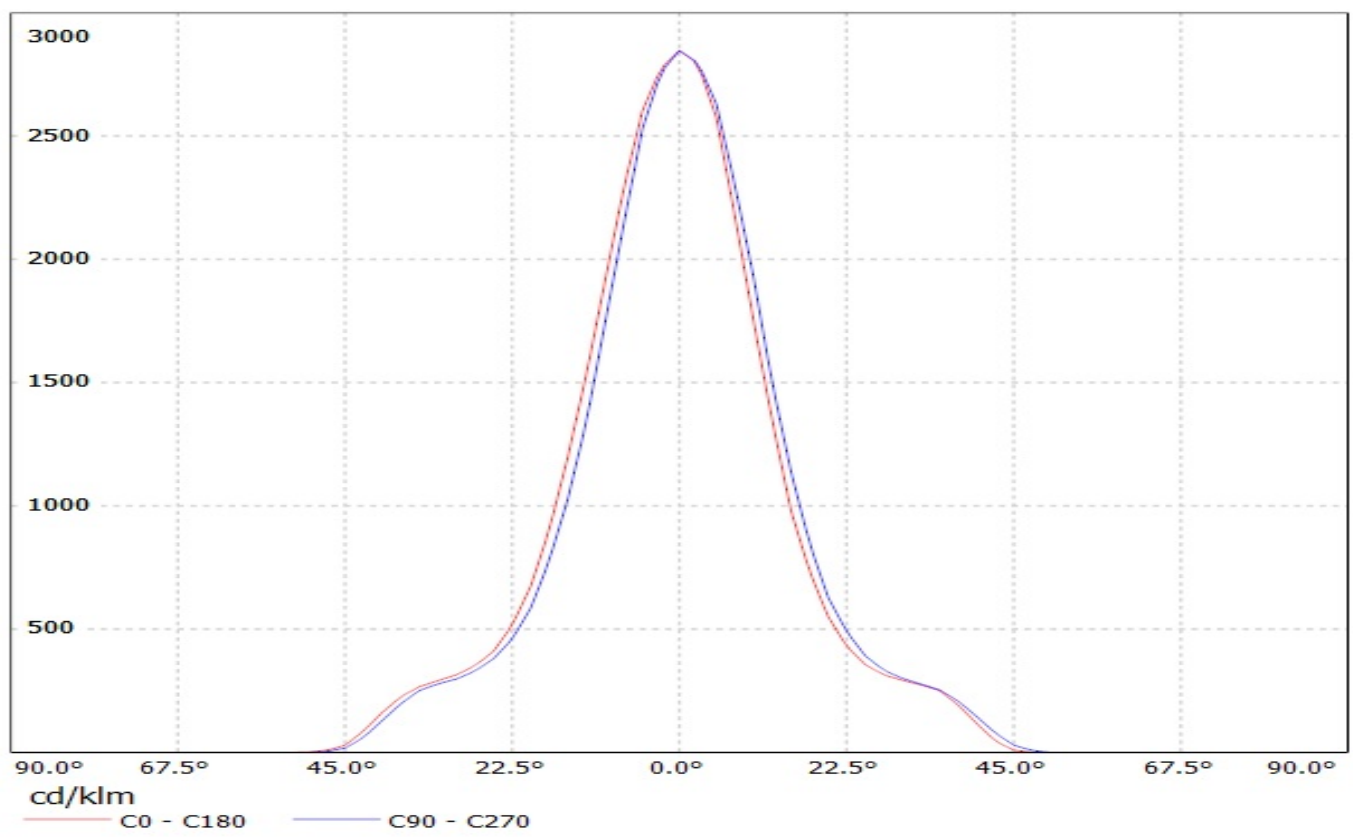
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Mini_Zenigata) Eff.89.6%
Lamps: 1 x Mini_Zenigata (GW6BM) (803.772lm@250mA)



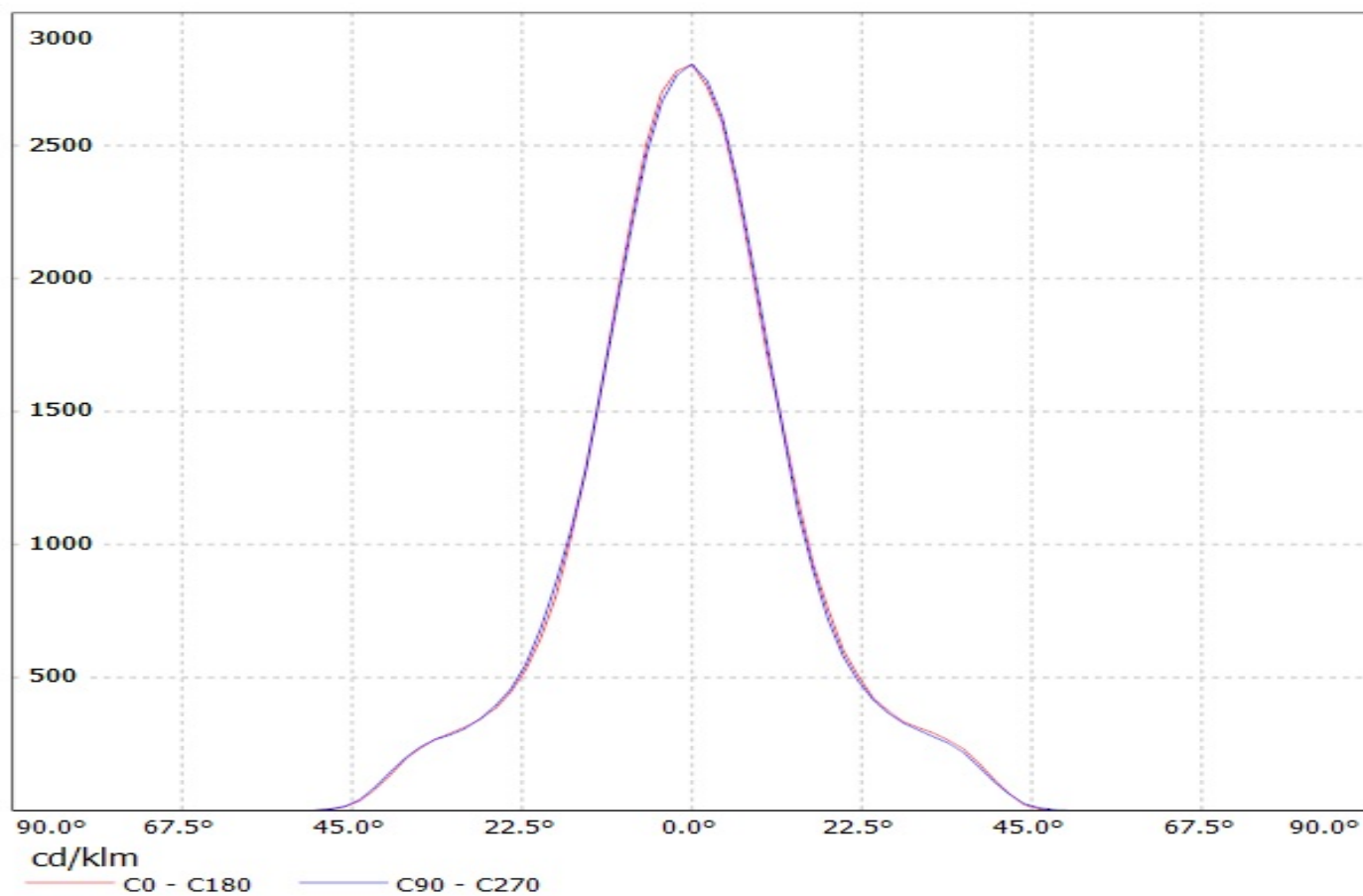
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP50_WW)
Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A



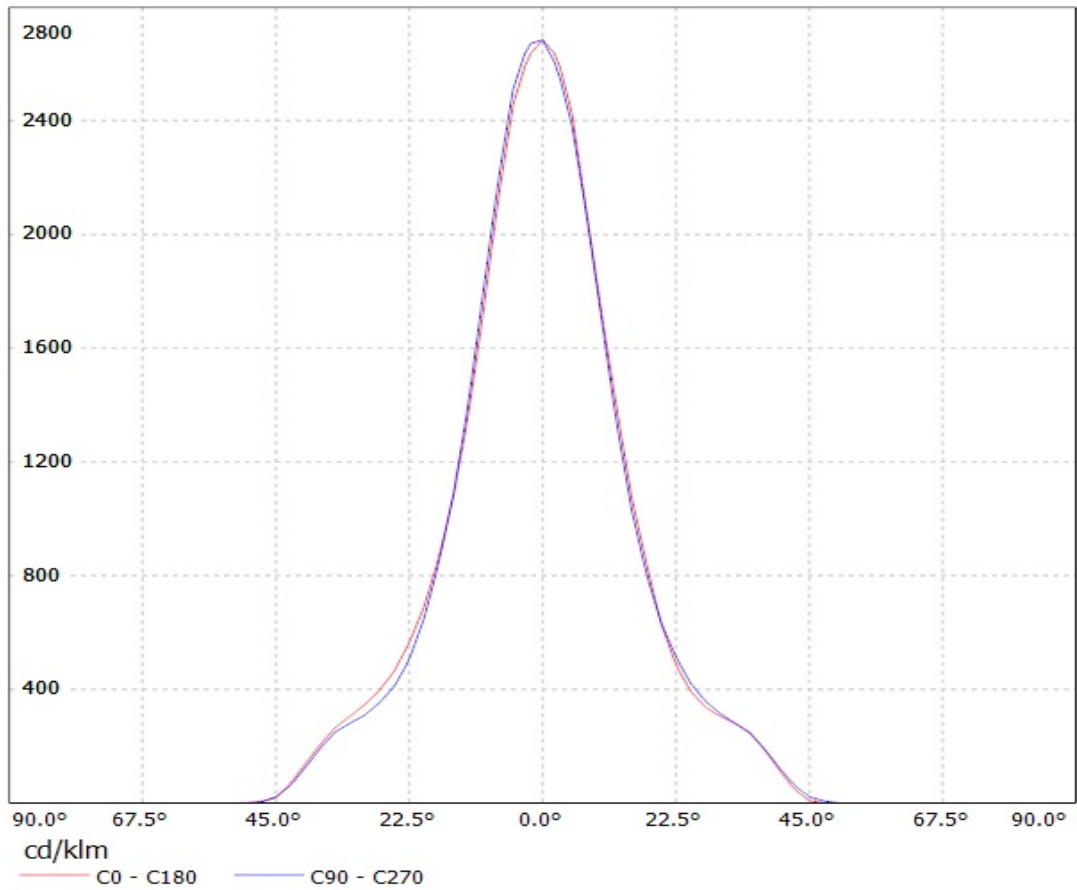
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



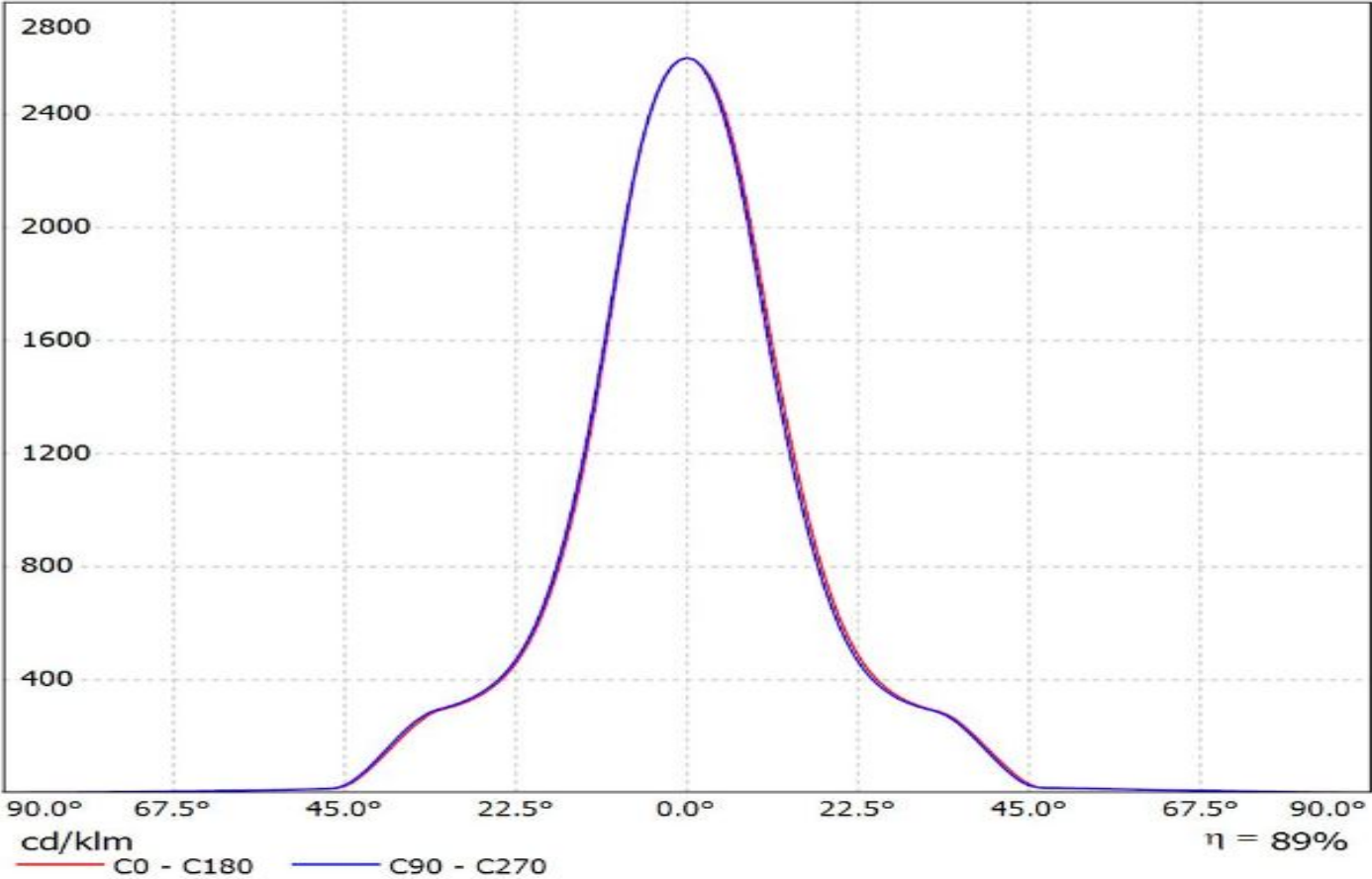
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(ZC6) Efficiency=87%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



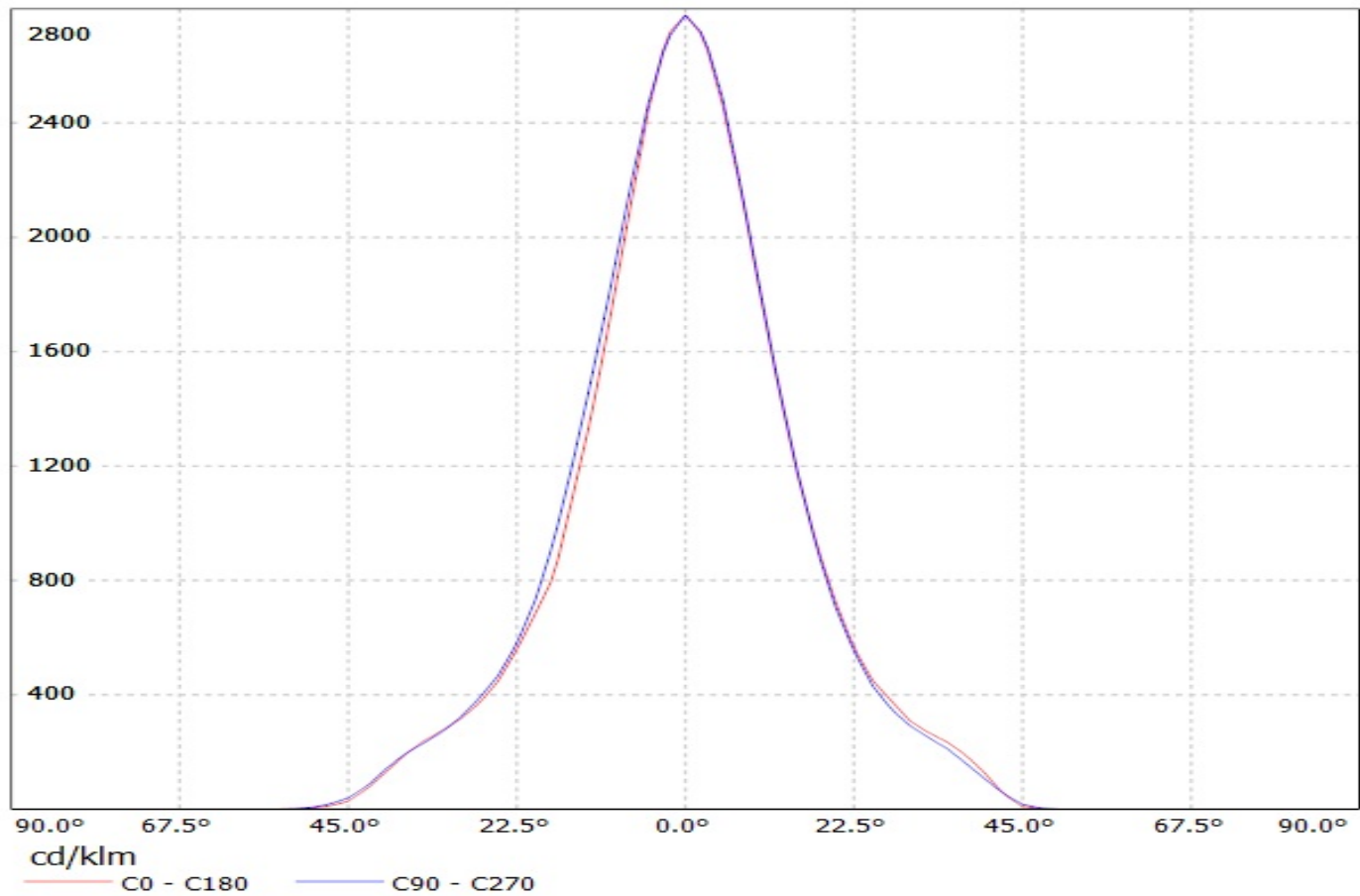
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Stark_SLE_G3_LES10) Efficiency=86%
Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA



Luminaire: Ledil C12477_MIRELLA-50-M_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



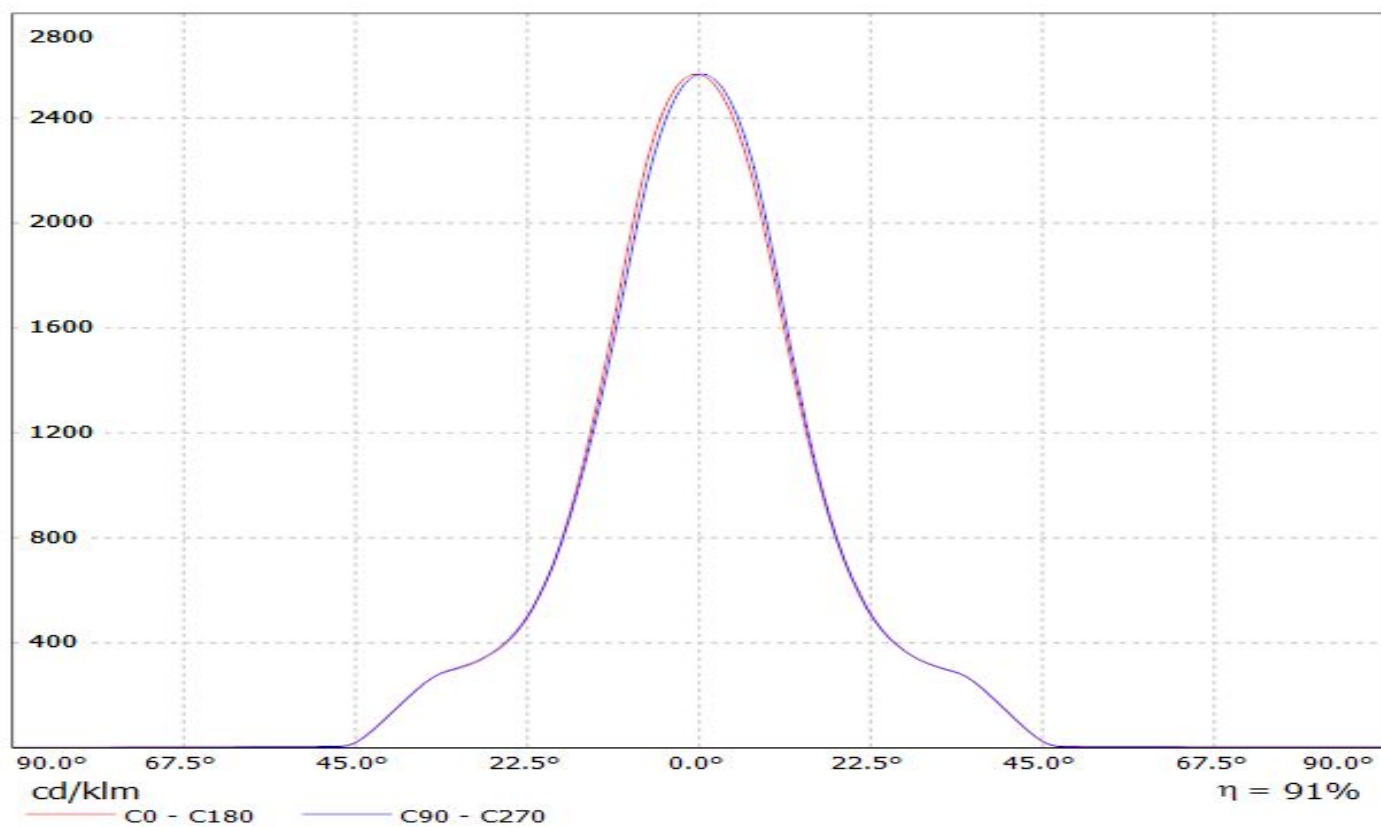
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



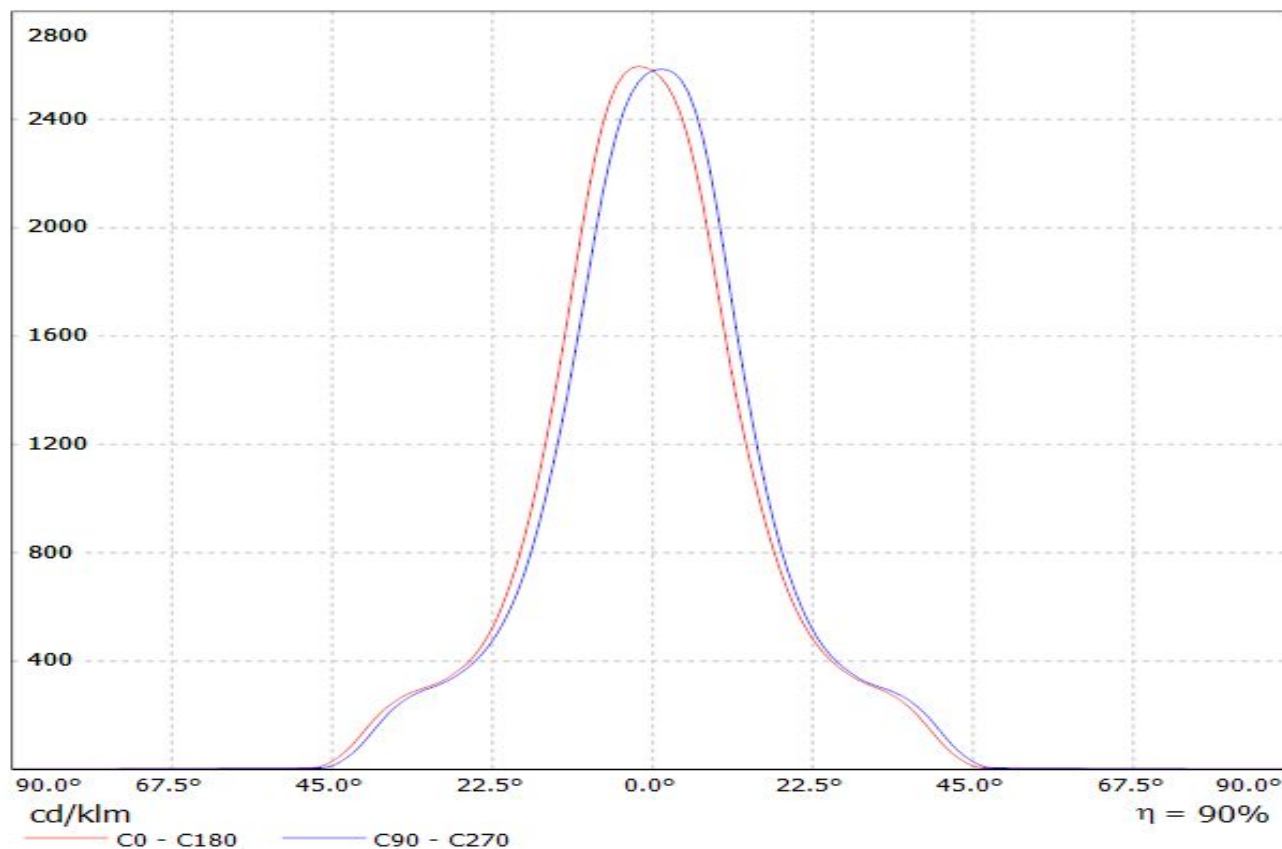
LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8% / LDC (Linear)

Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8%

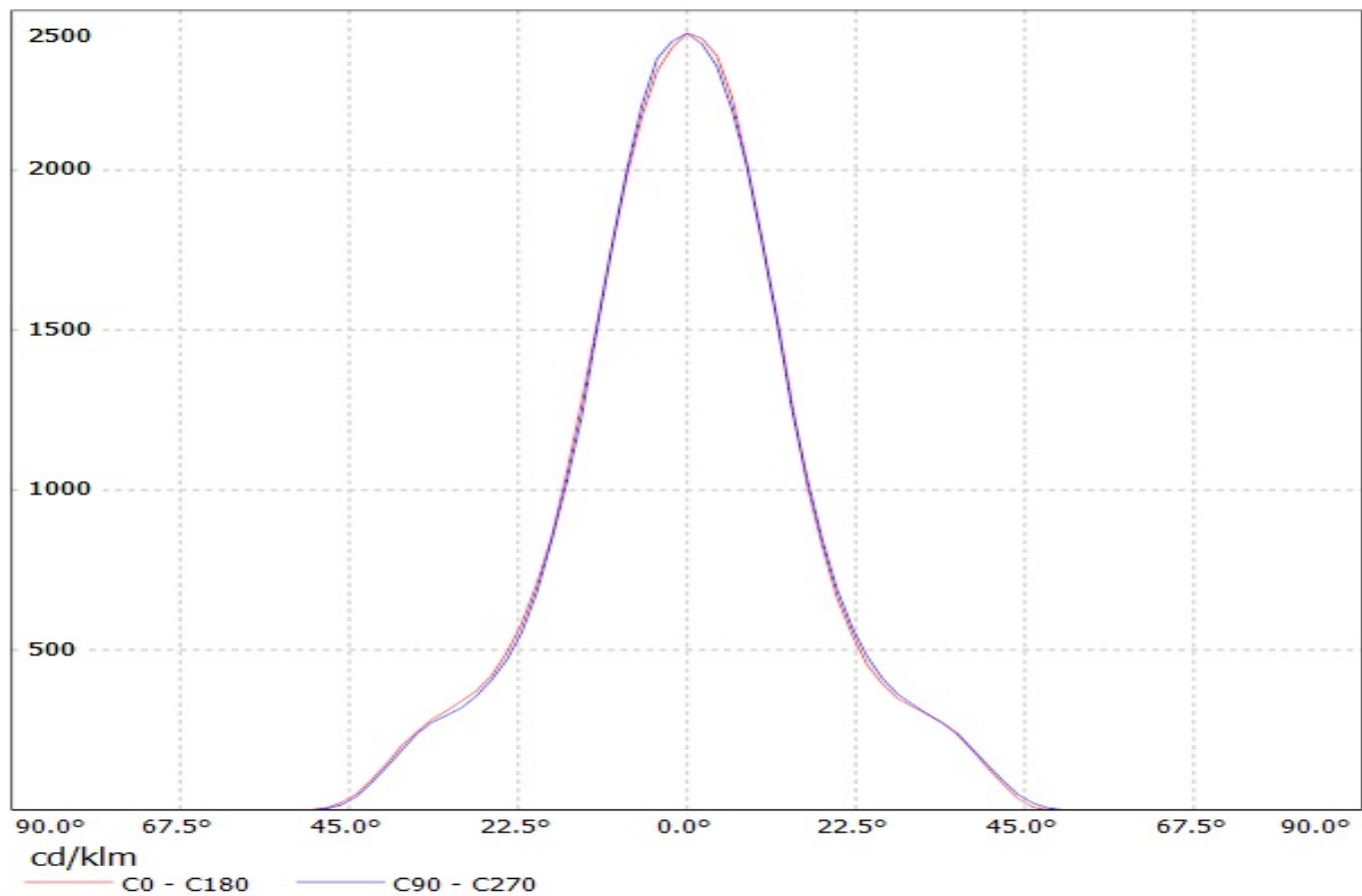
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W
I=54.5mA



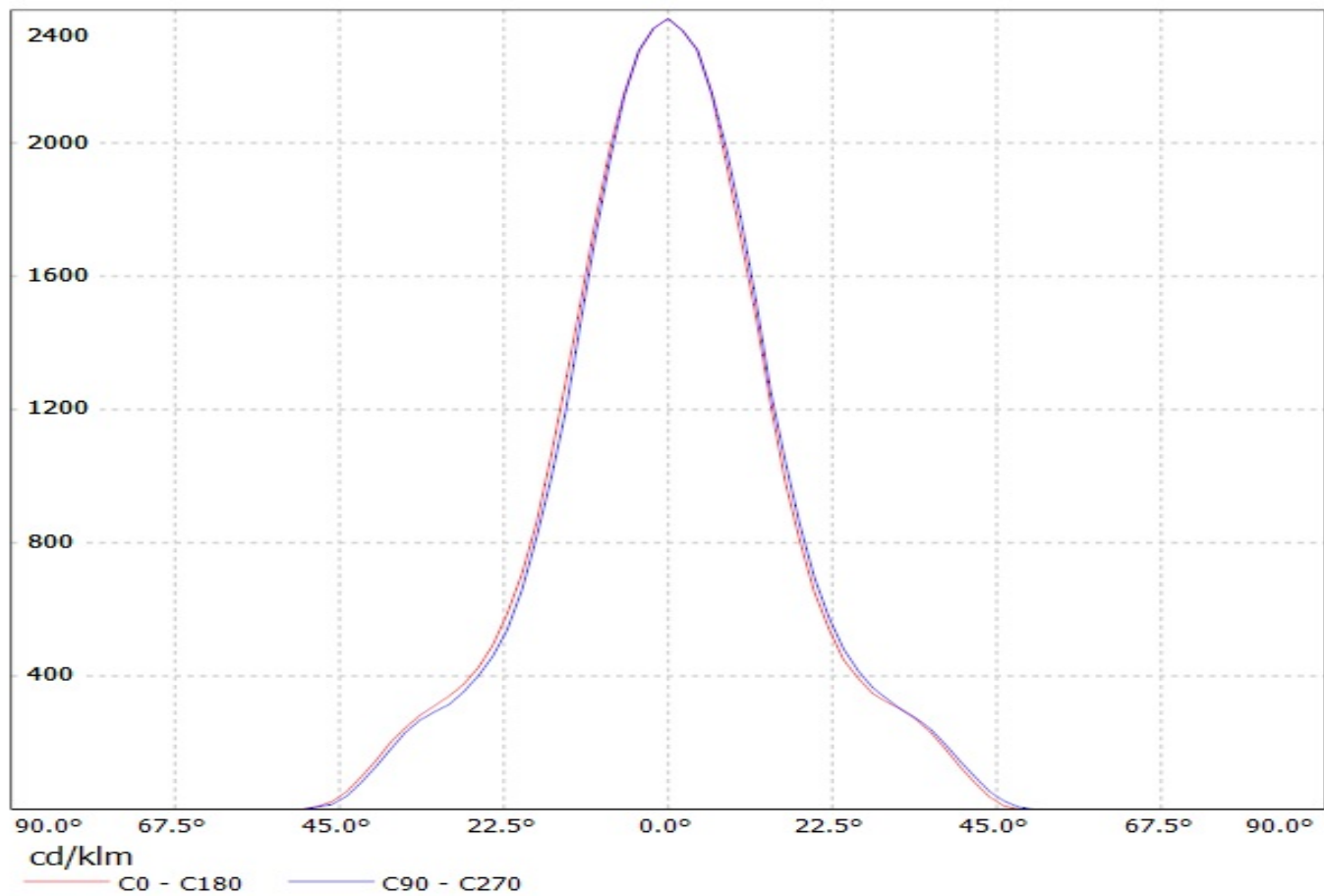
Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MiniZenigata) Eff.90.1%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



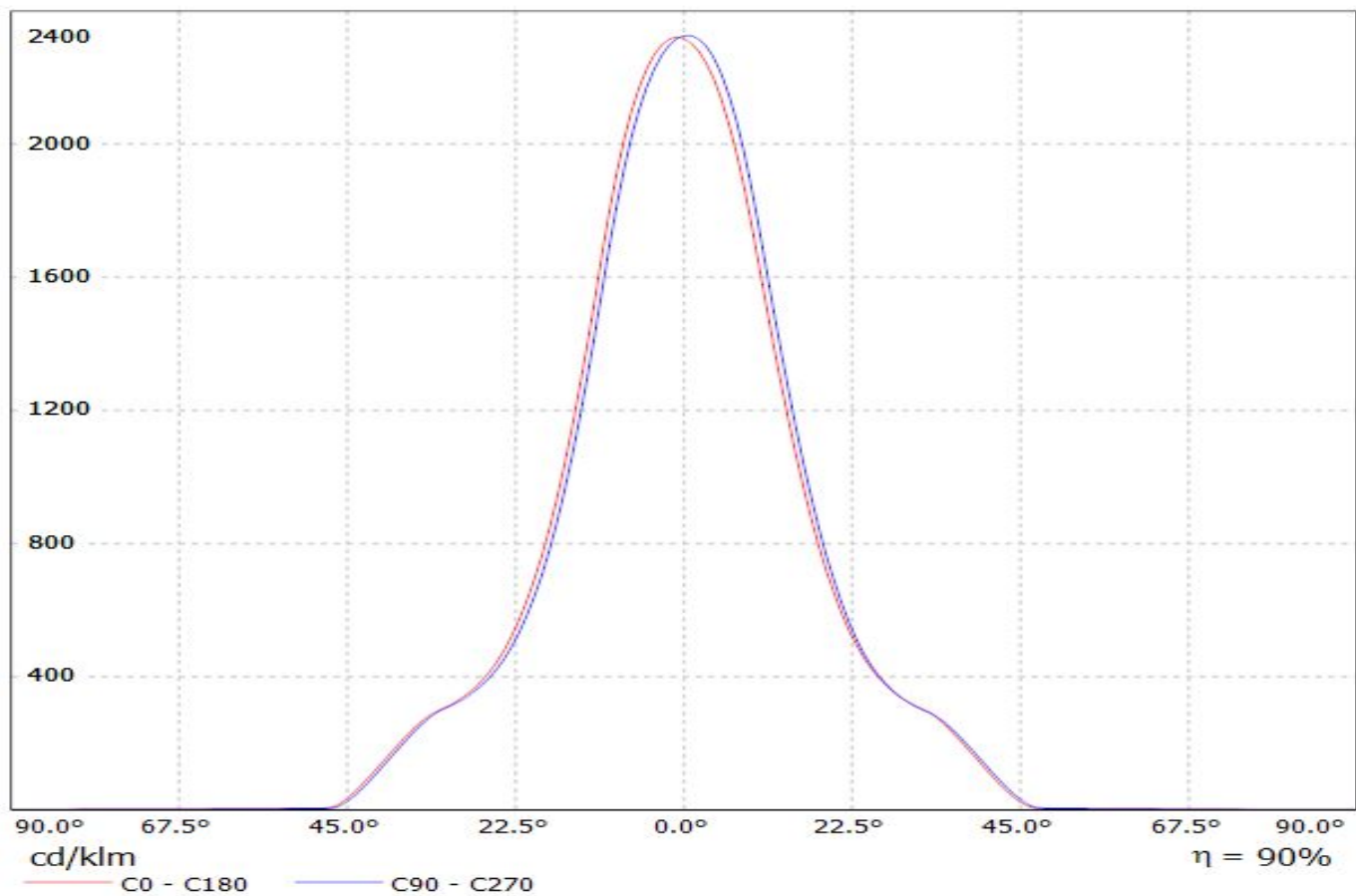
Luminaire: Ledil Oy C12477_MIRELLA-50-M (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Luxeon_CoB_1203) Efficiency=89%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



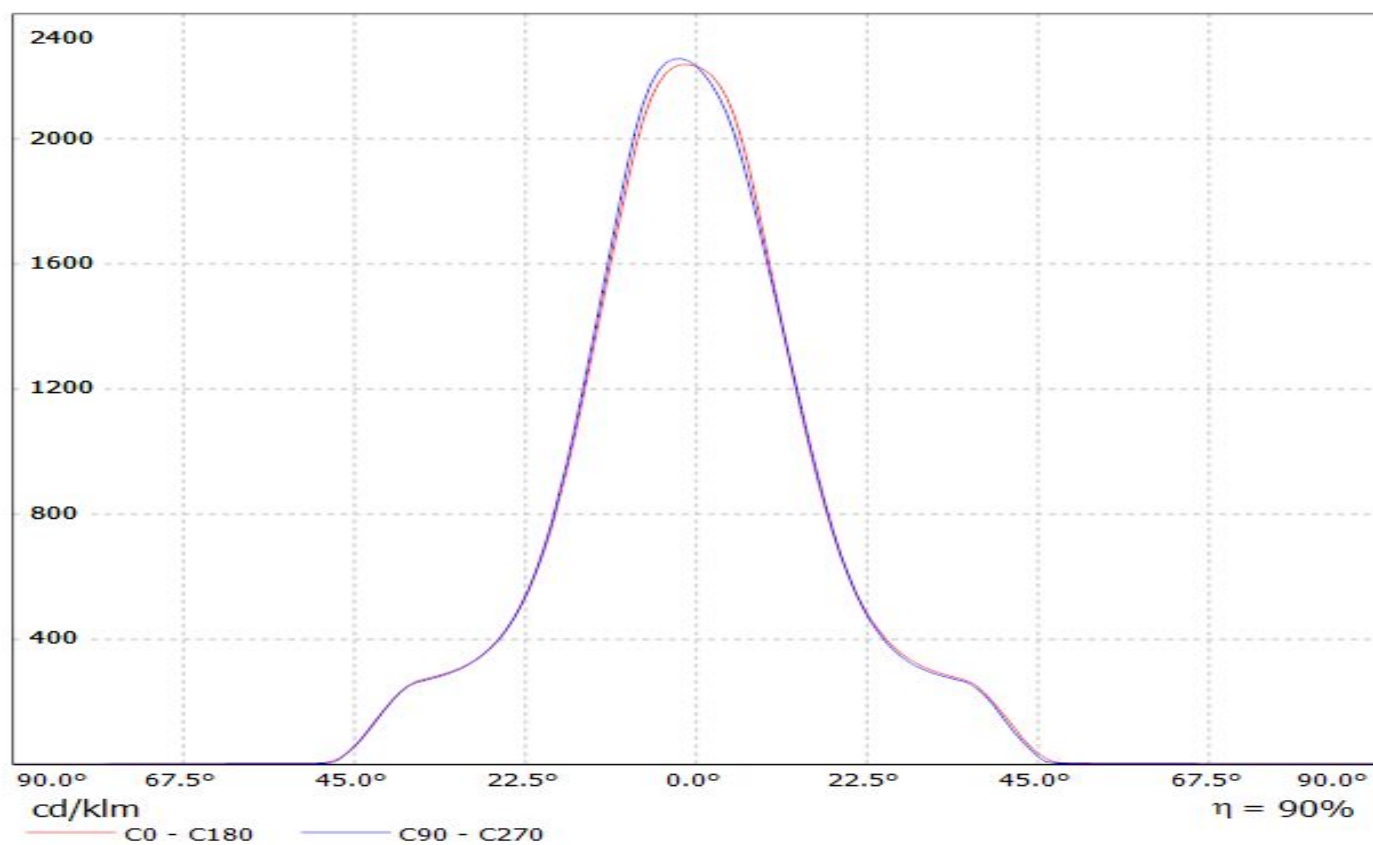
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_977.302lm@240mA_P=8.28264W_I=240mA



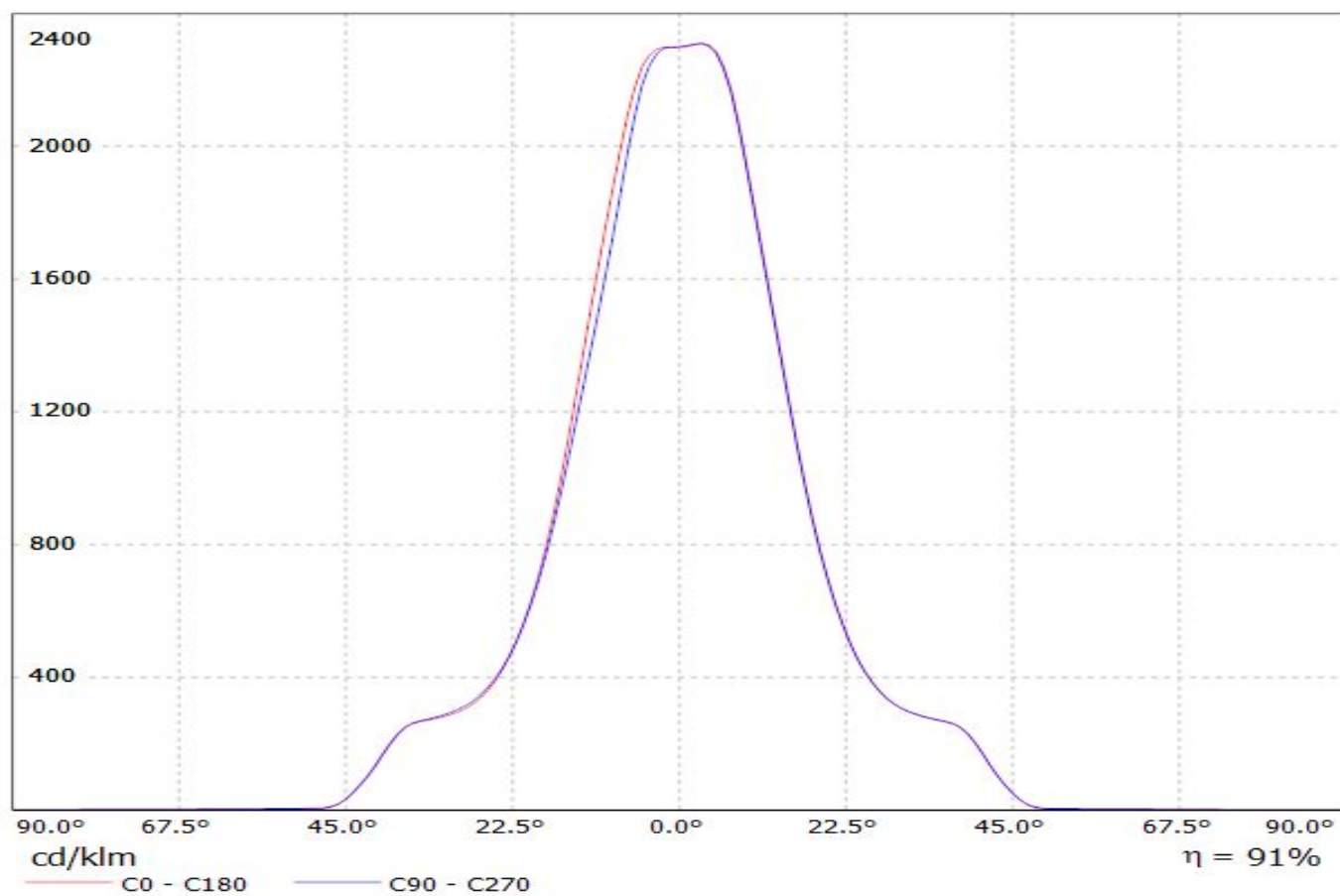
LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4% / LDC (Linear)

Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4%

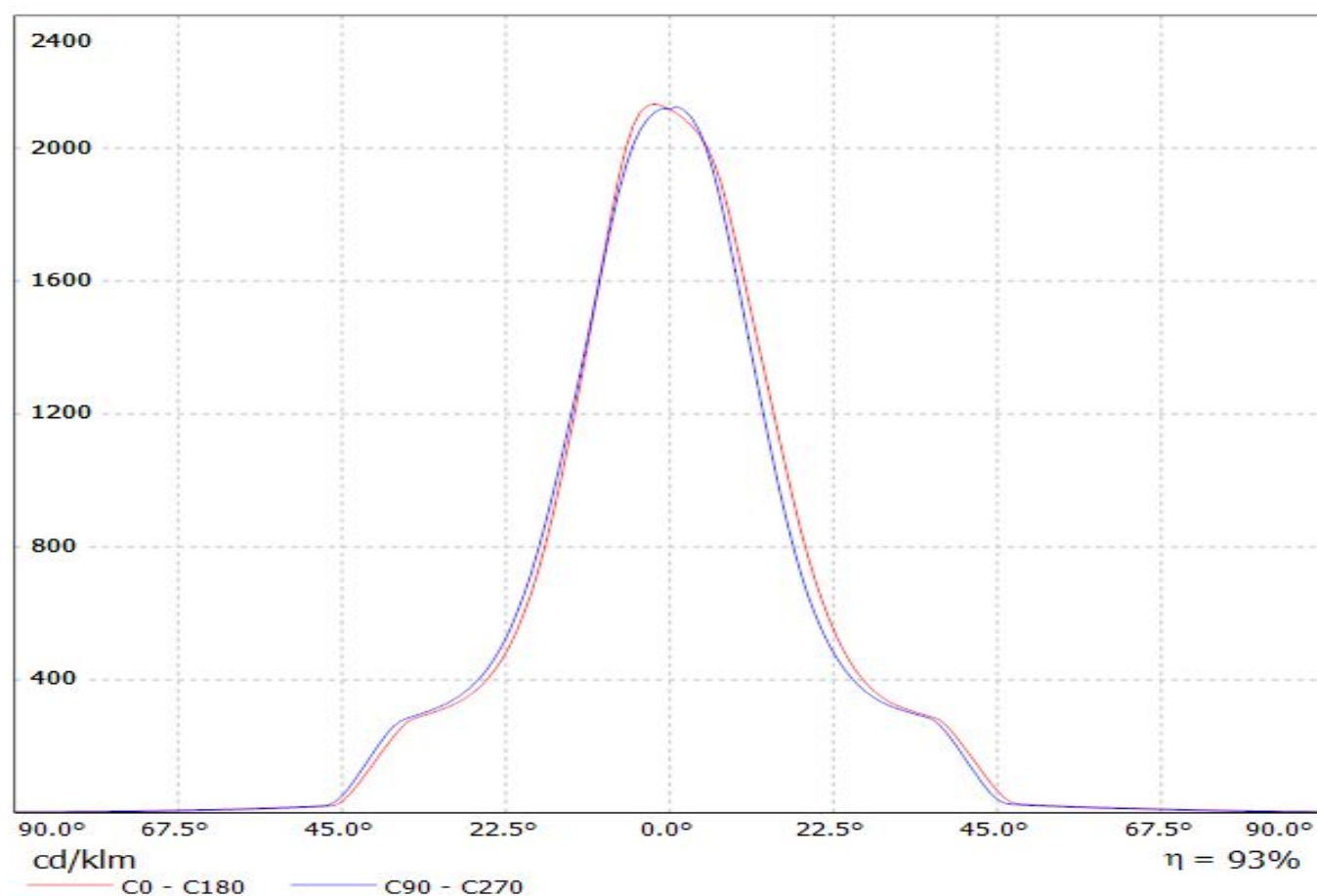
Lamps: 1 x MT-G2 (169lm@250mA)



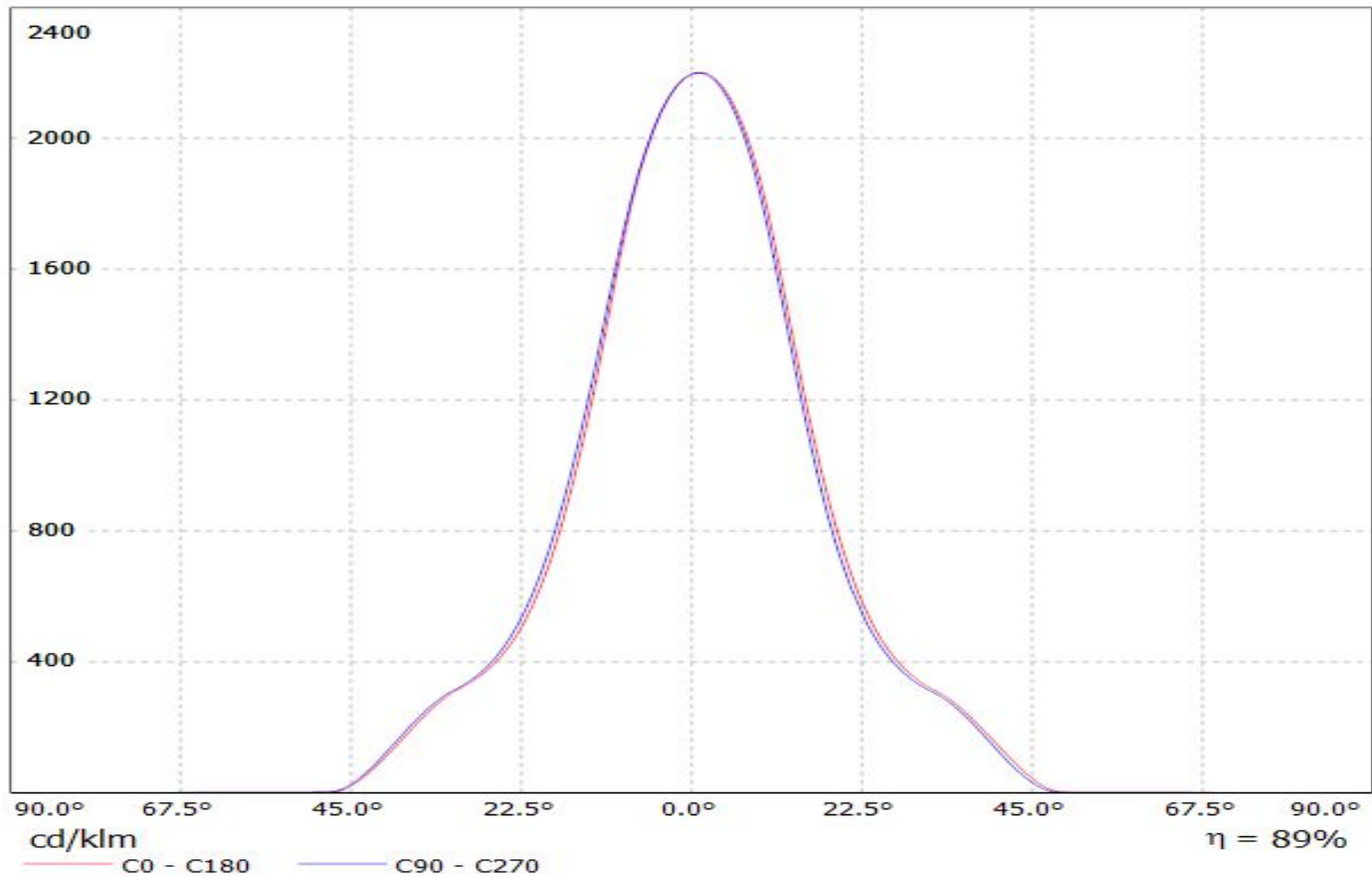
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



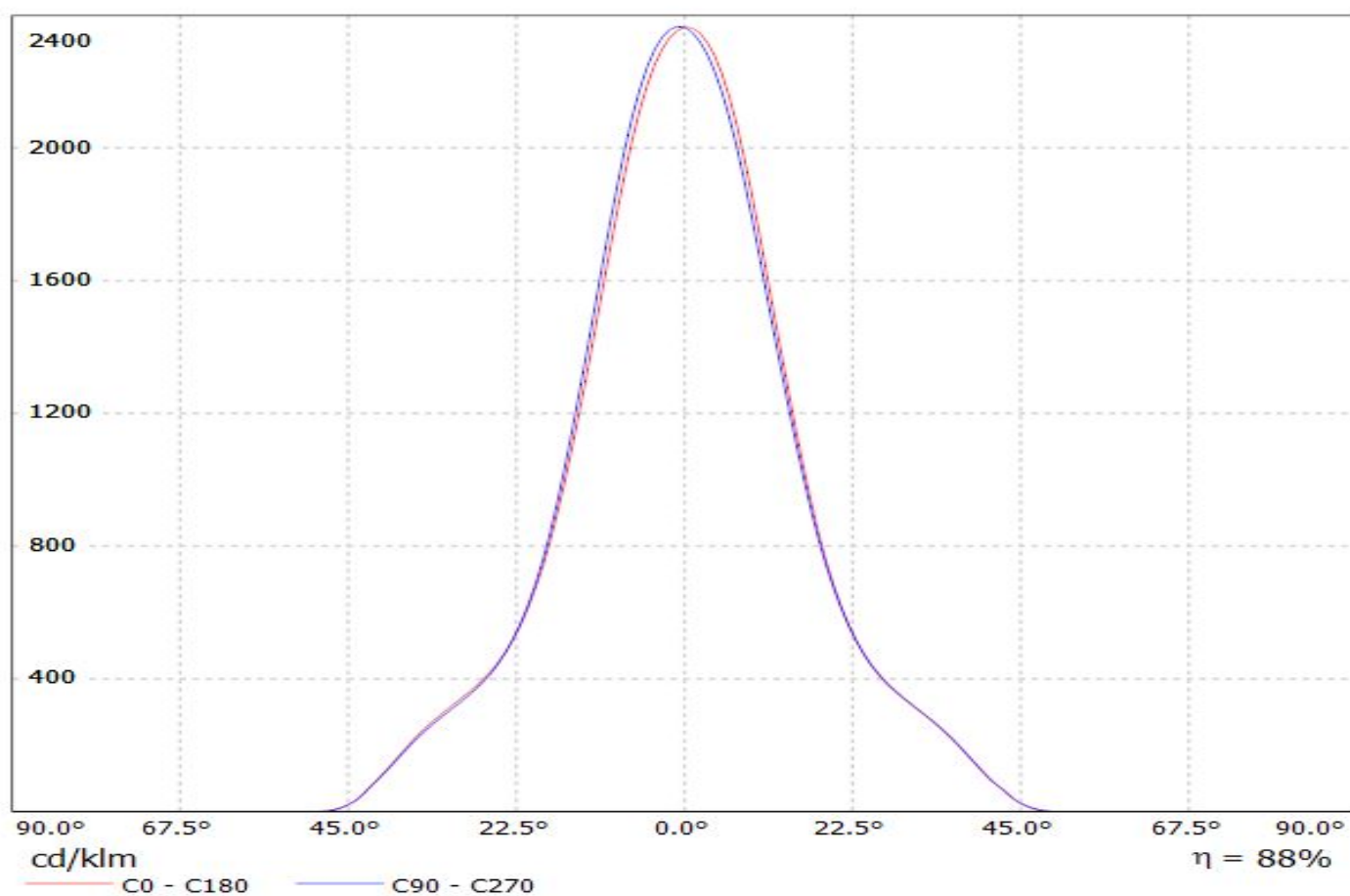
Luminaire: Ledil C12477_MIRELLA-50-M_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1168.86lm@250mA_P=8.3243W_I=0.250A



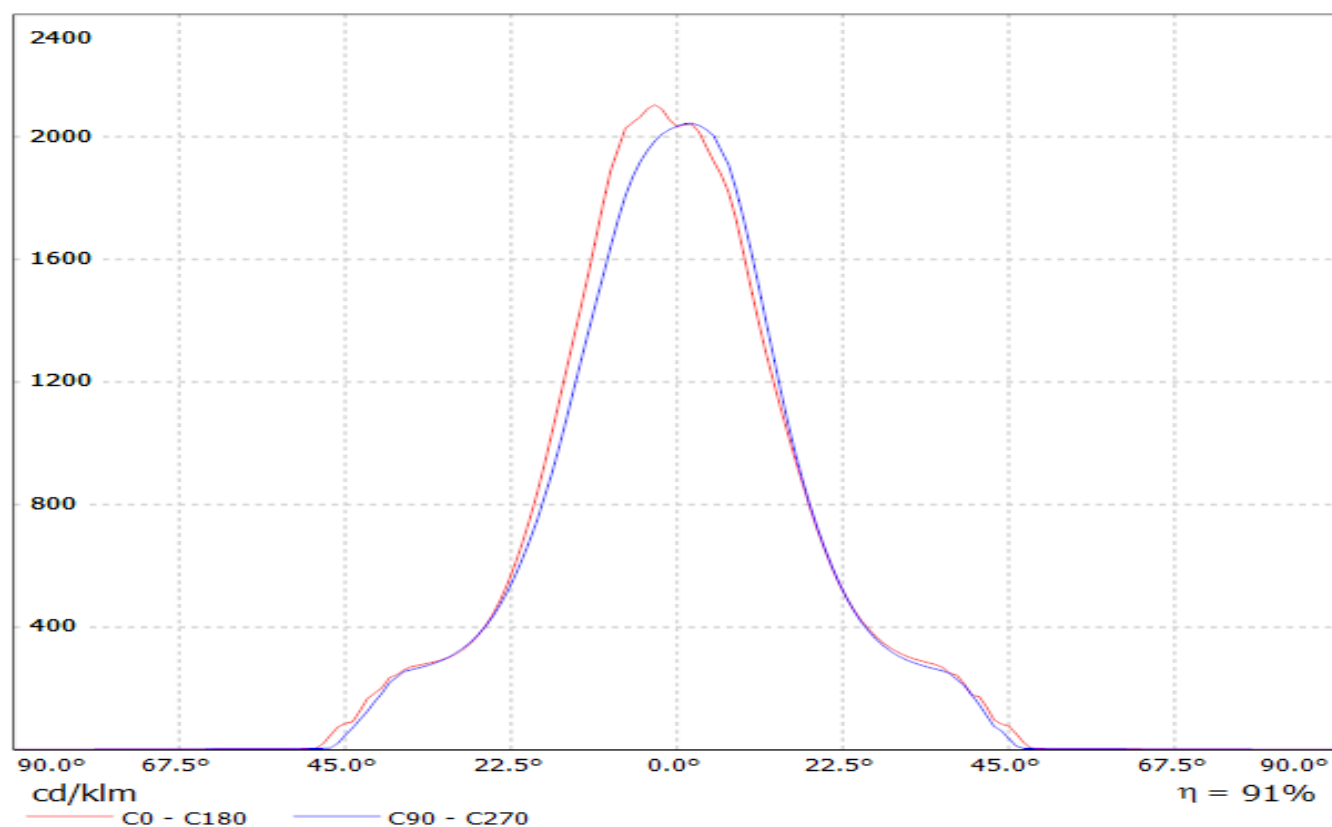
Luminaire: Ledil Oy
Lamps: 1 x C12477_MIRELLA-50-M_(CLL028)



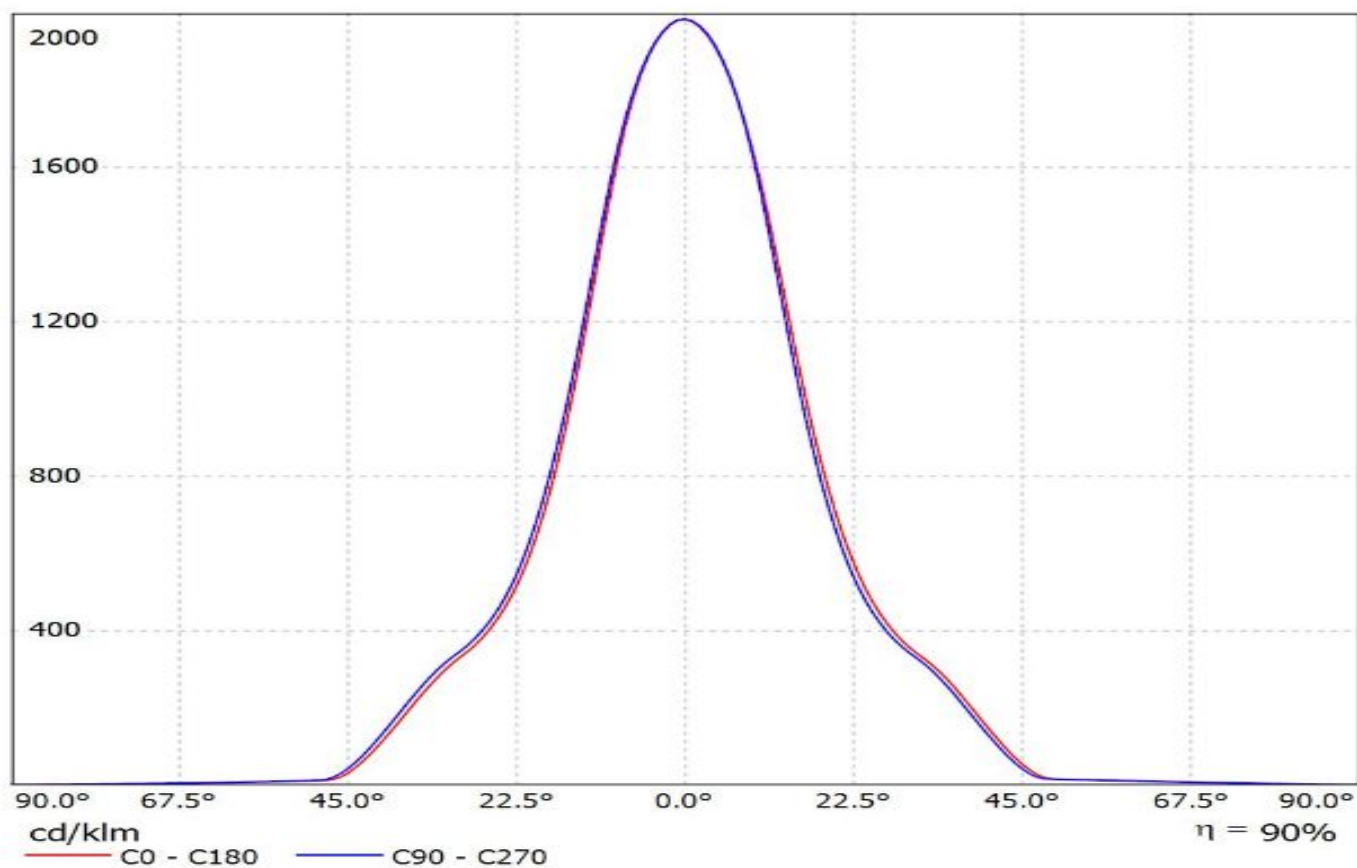
LEDIL OY C12477_MIRELLA-50-M_(MT-G) / LDC (Linear)

Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MT-G)

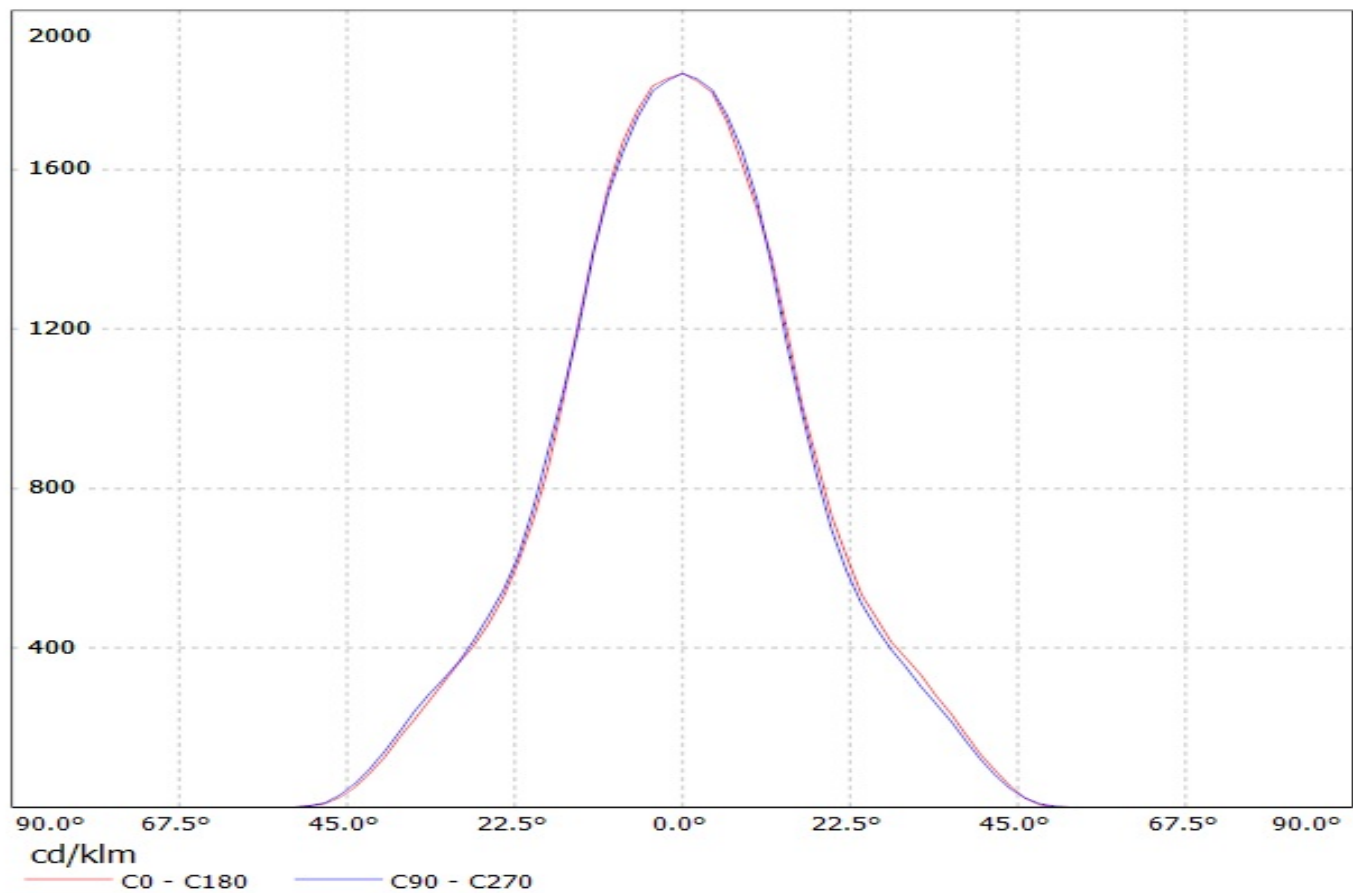
Lamps: 1 x MT-G (777.7lm)



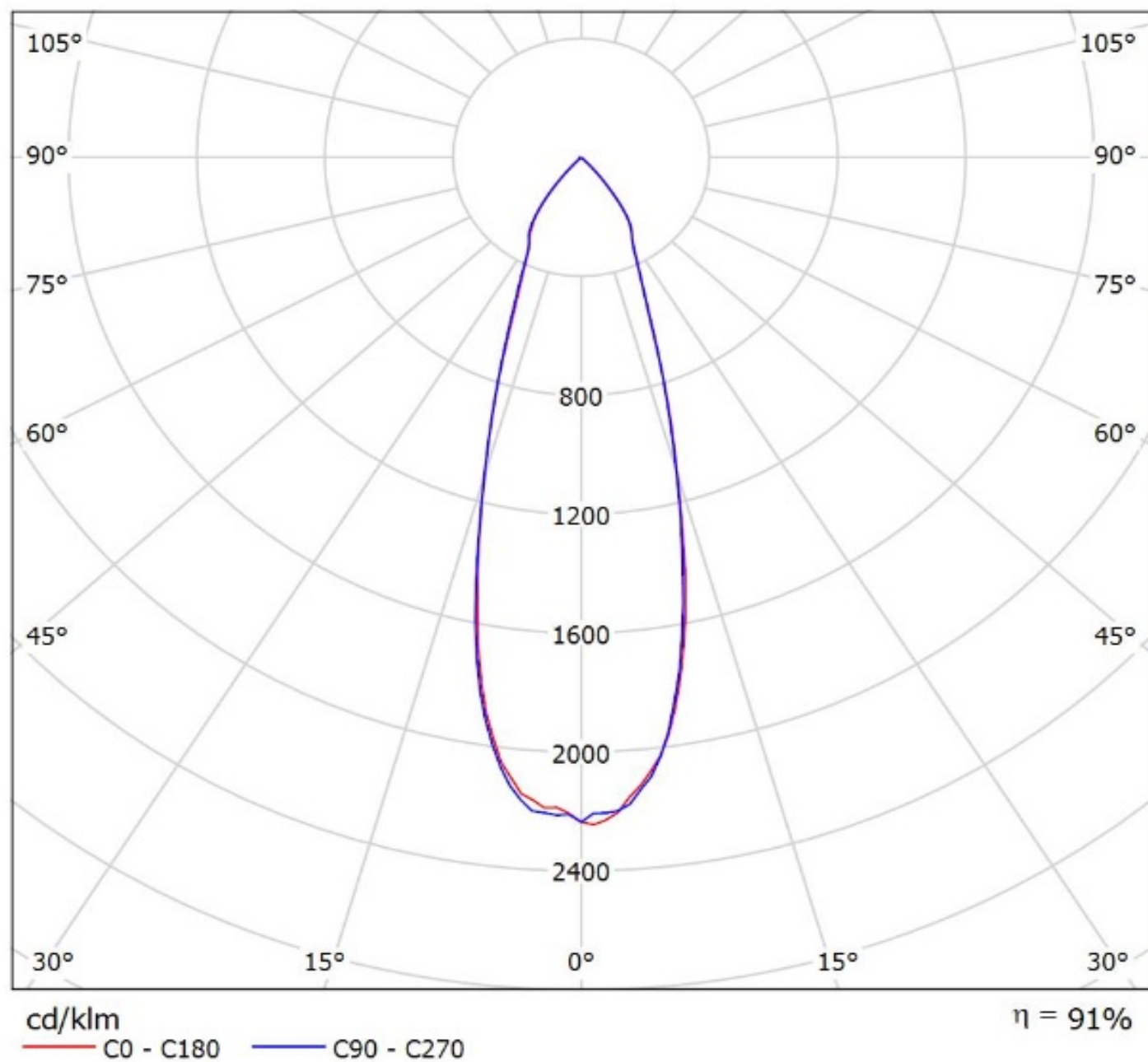
Luminaire: Ledil C12477_MIRELLA-50-M_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



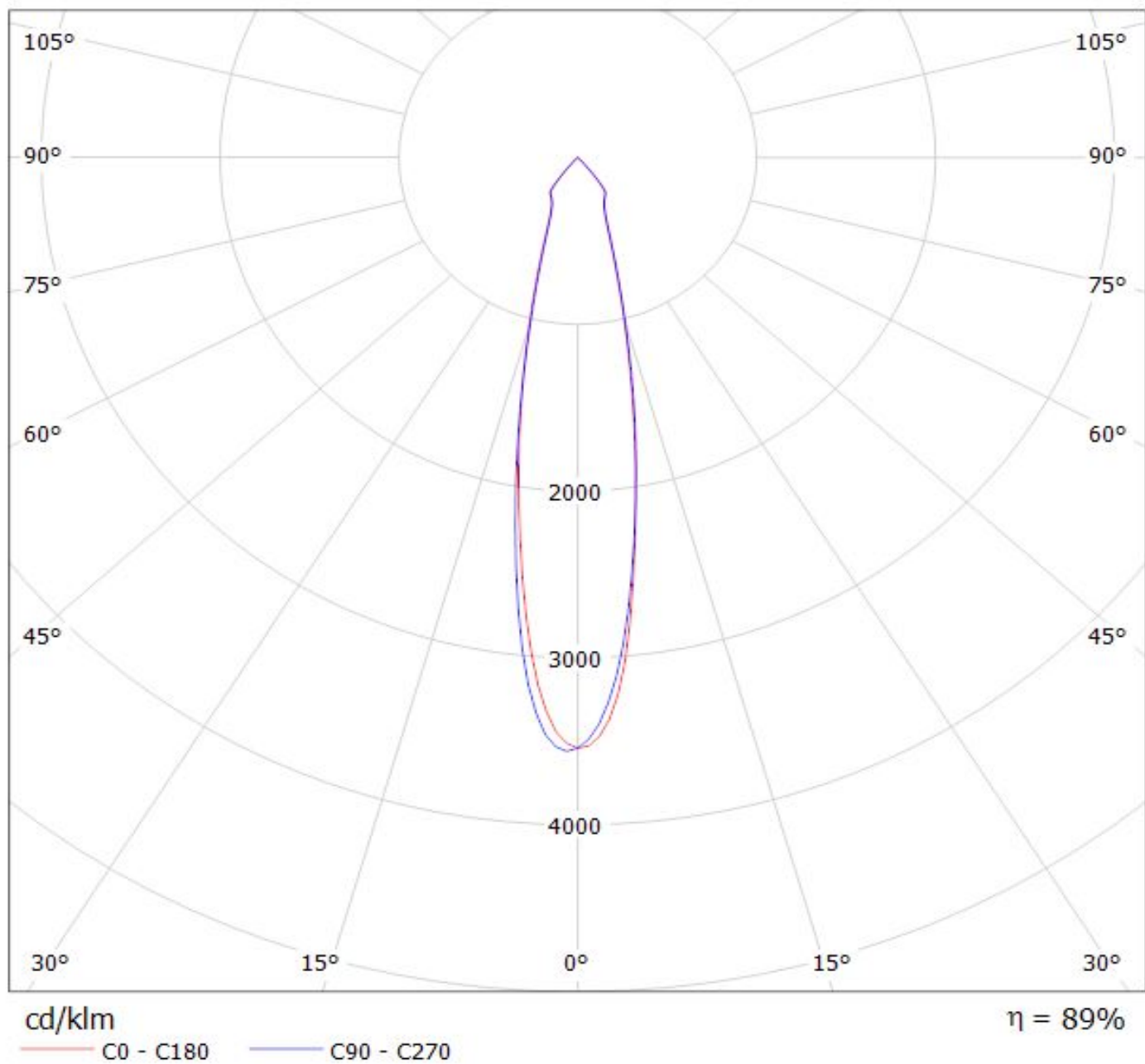
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Soleriq_S13) Efficiency=87%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

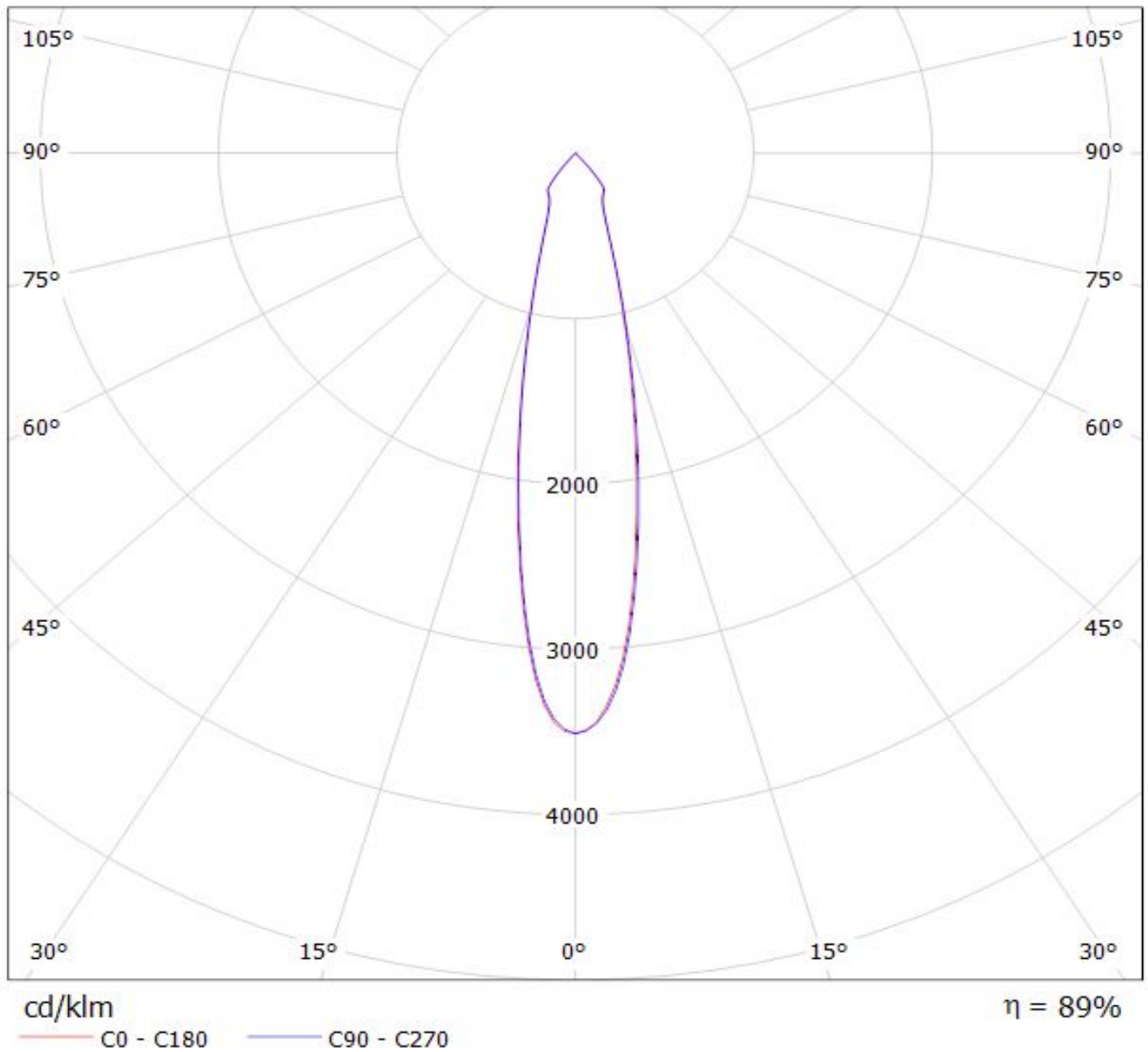


Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_470.59lm@100mA_P=3.3748W_I=0.100A

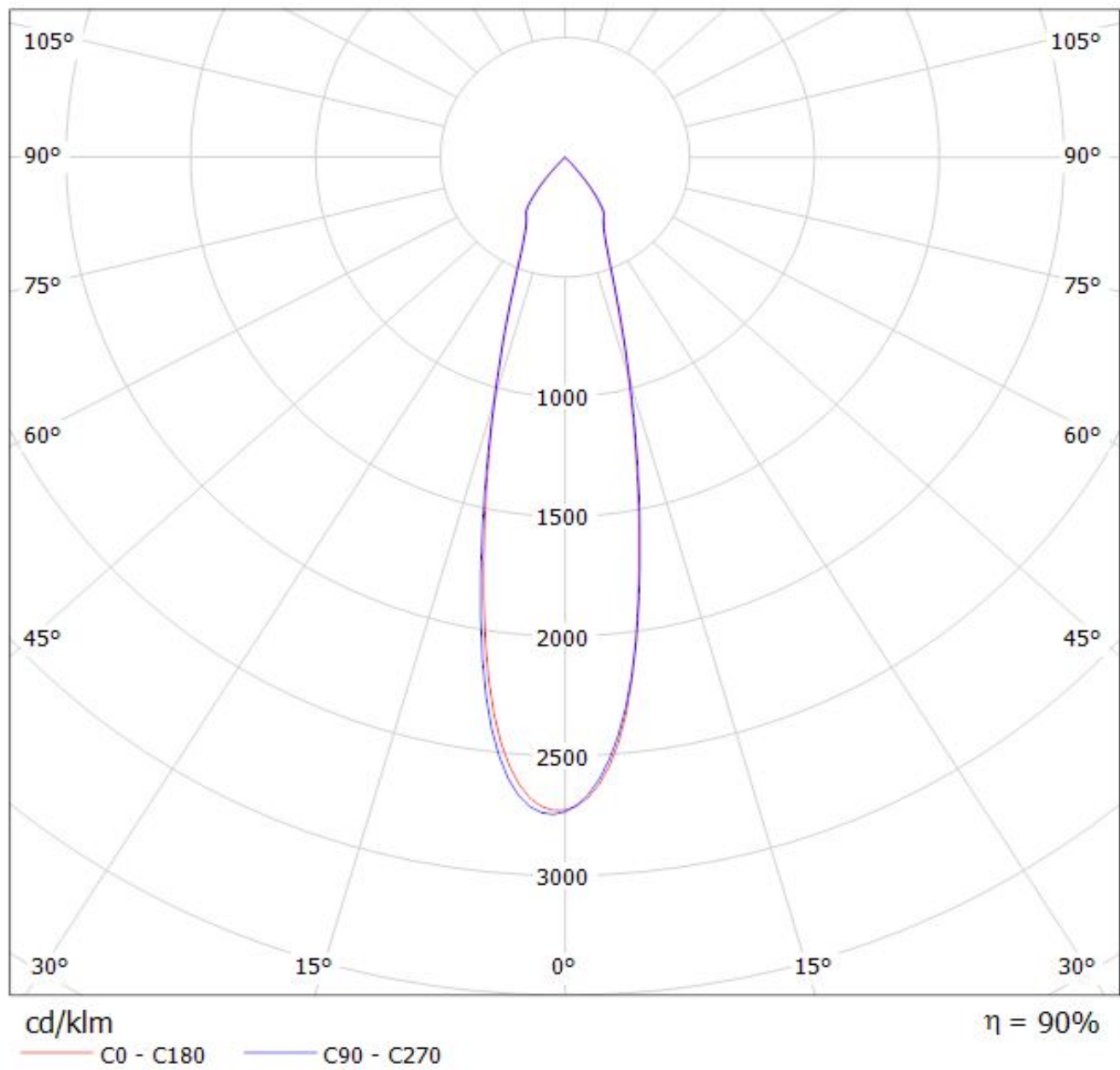


Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CLU700)

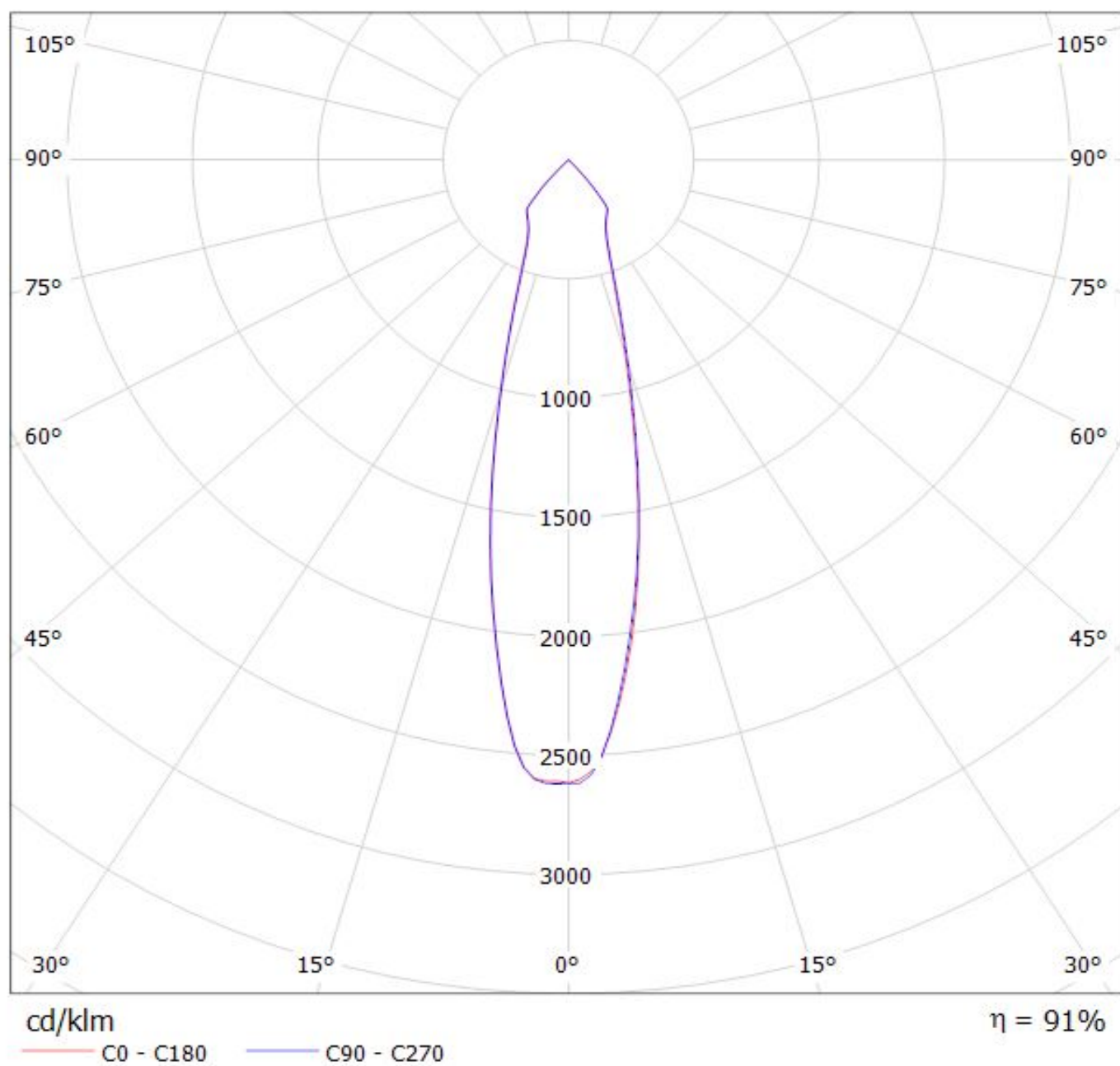
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A



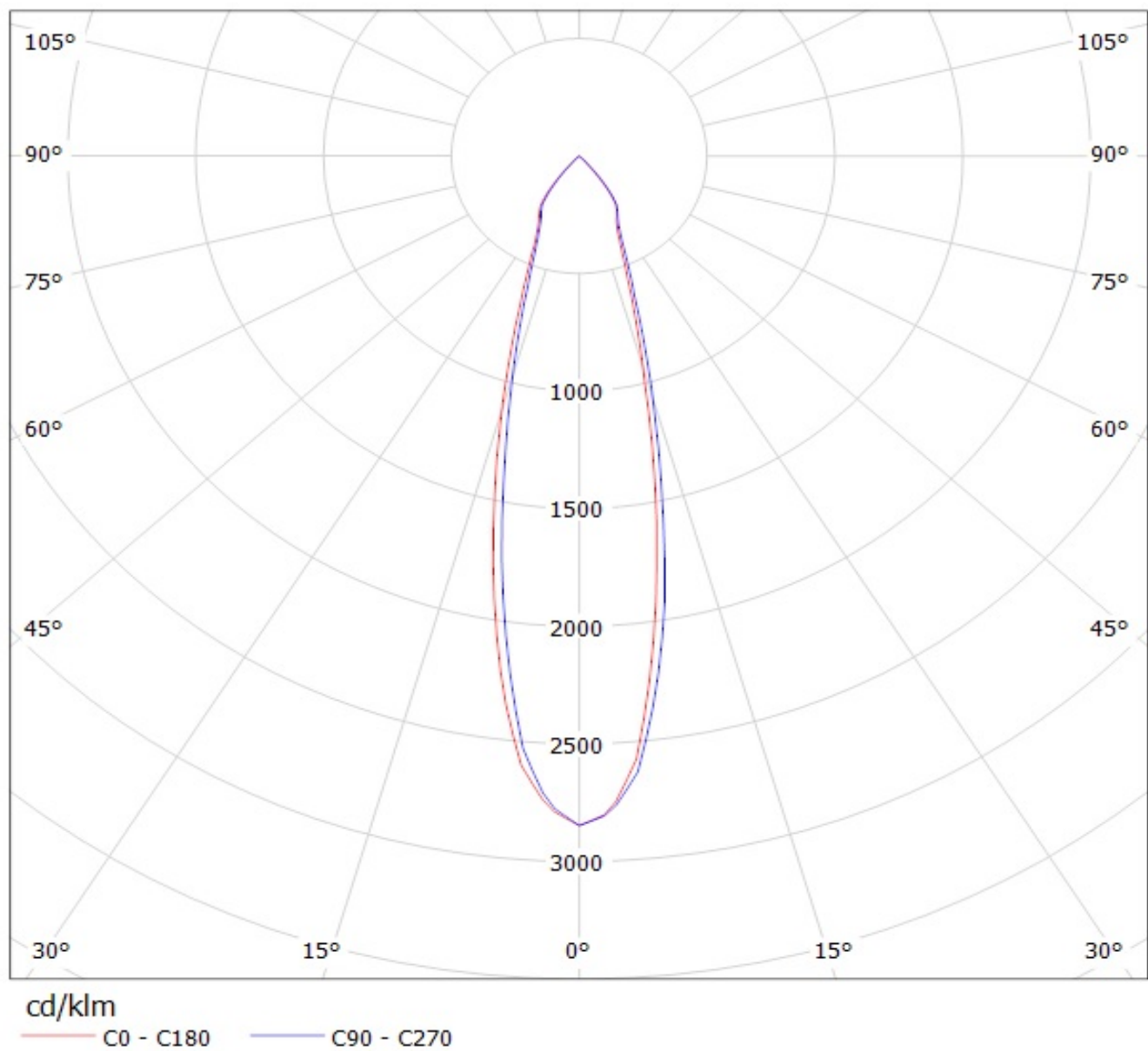
Luminaire: LEDiL Oy C12477_MIRELLA-50-M (Mini_Zenigata) Eff.89.6%
Lamps: 1 x Mini_Zenigata (GW6BM) (803.772lm@250mA)



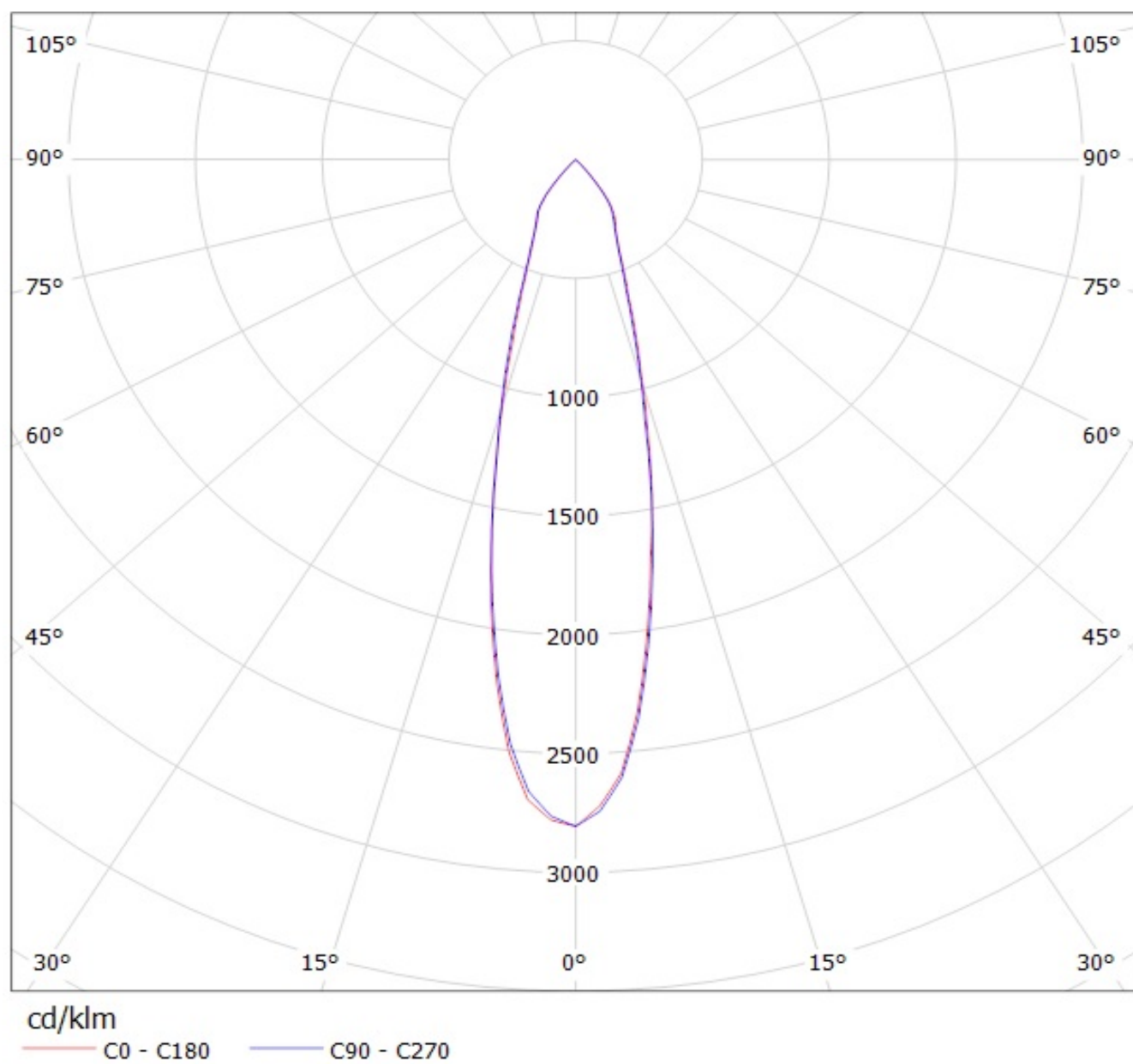
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP50_WW)
Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A



Luminaire: Ledil Oy C12477_MIRELLA-50-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

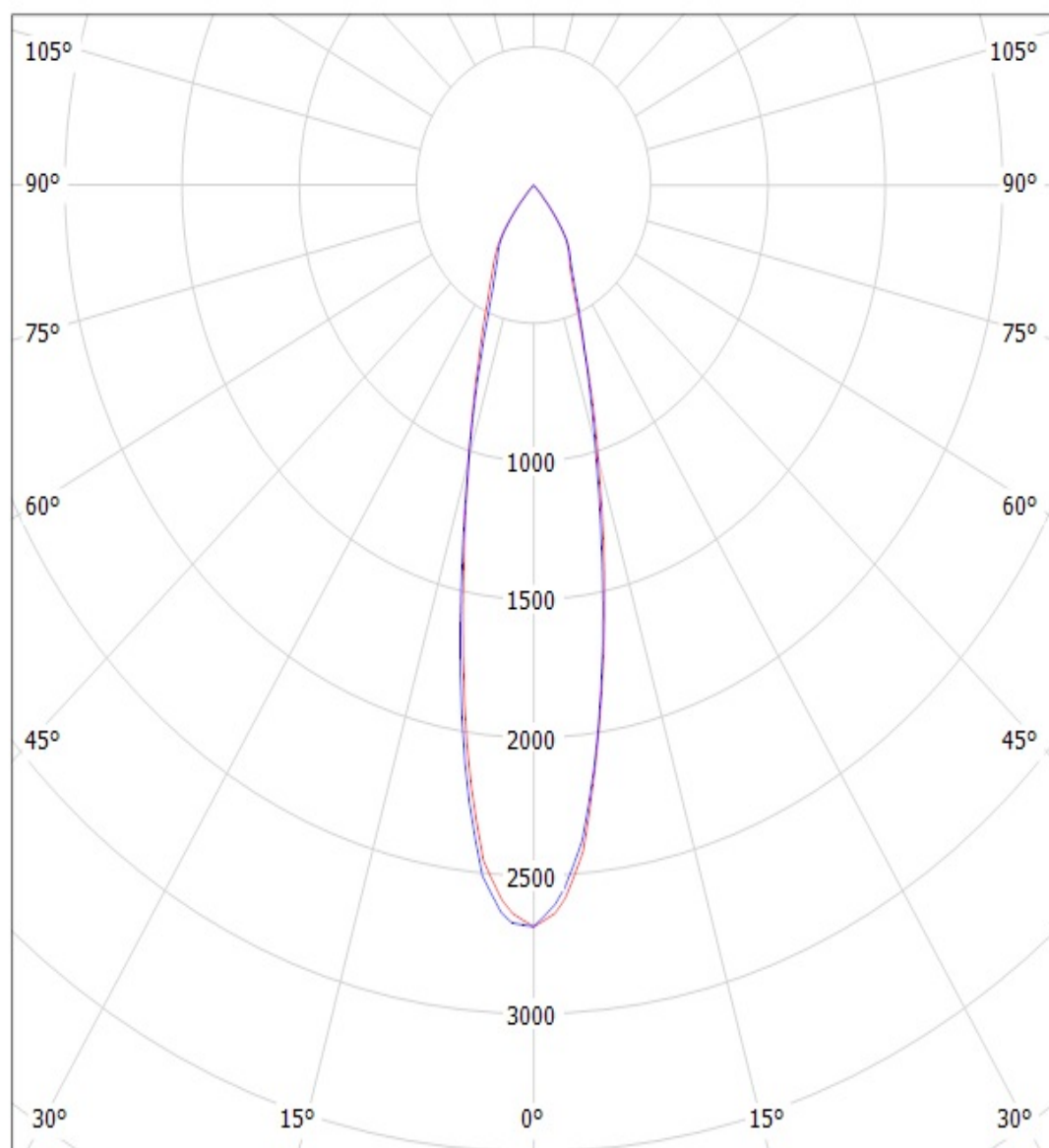


Luminaire: LEDil Oy C12477_MIRELLA-50-M_(ZC6) Efficiency=87%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Stark_SLE_G3_LES10) Efficiency=86%

Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA

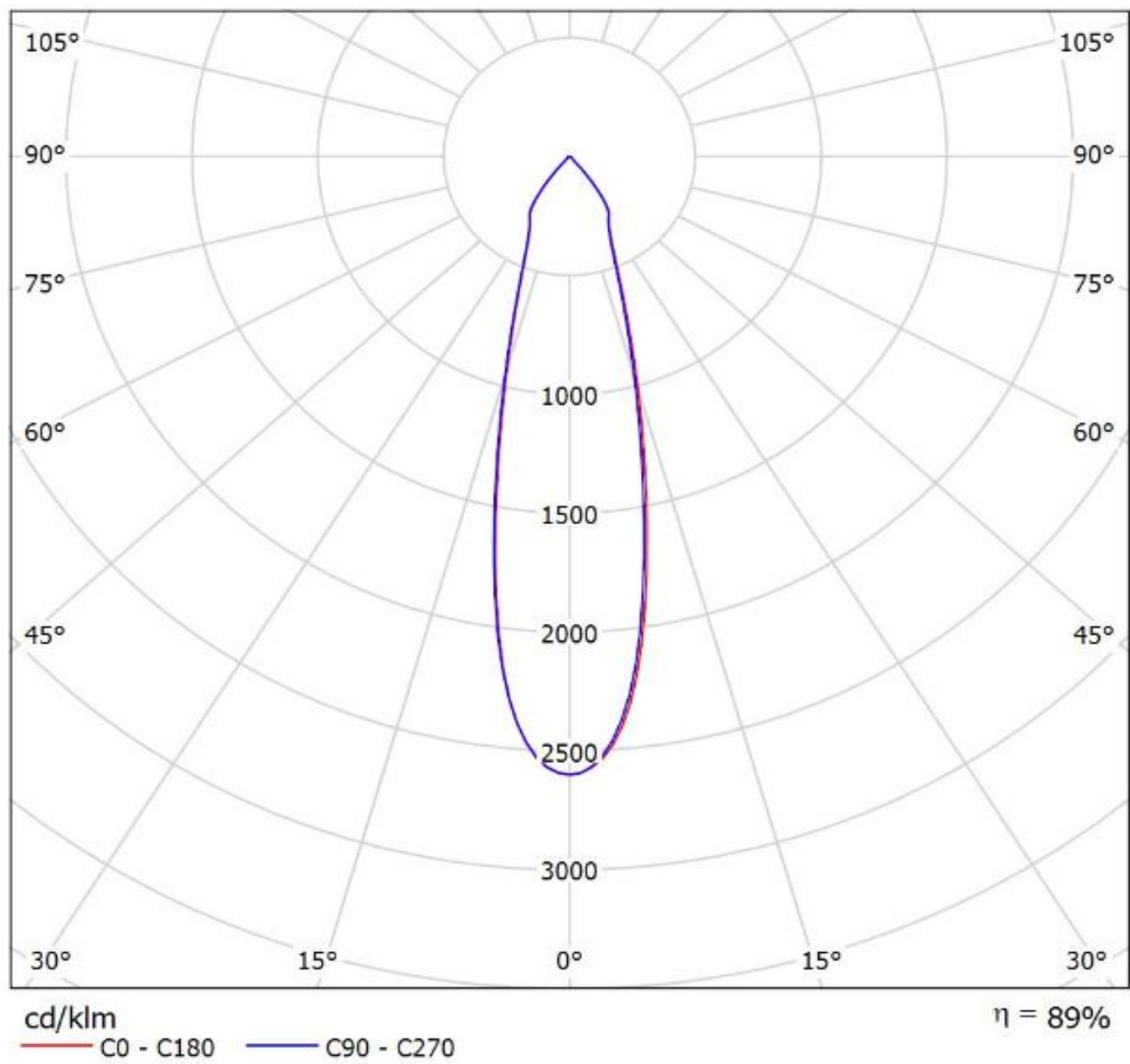


cd/klm

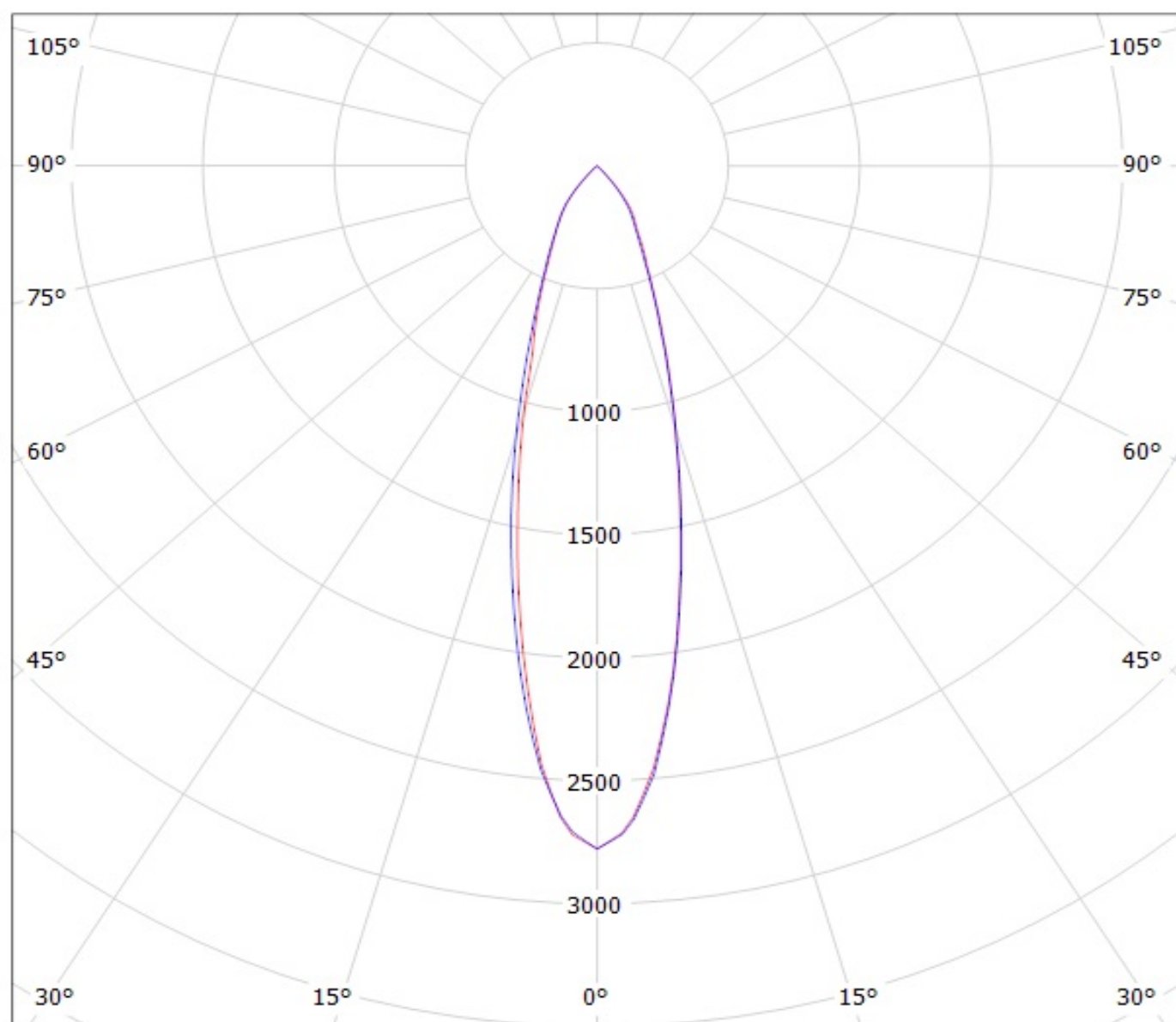
— C0 - C180

— C90 - C270

Luminaire: Ledil C12477_MIRELLA-50-M_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



Luminaire: Ledil Oy C12477_MIRELLA-50-M (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



cd/klm

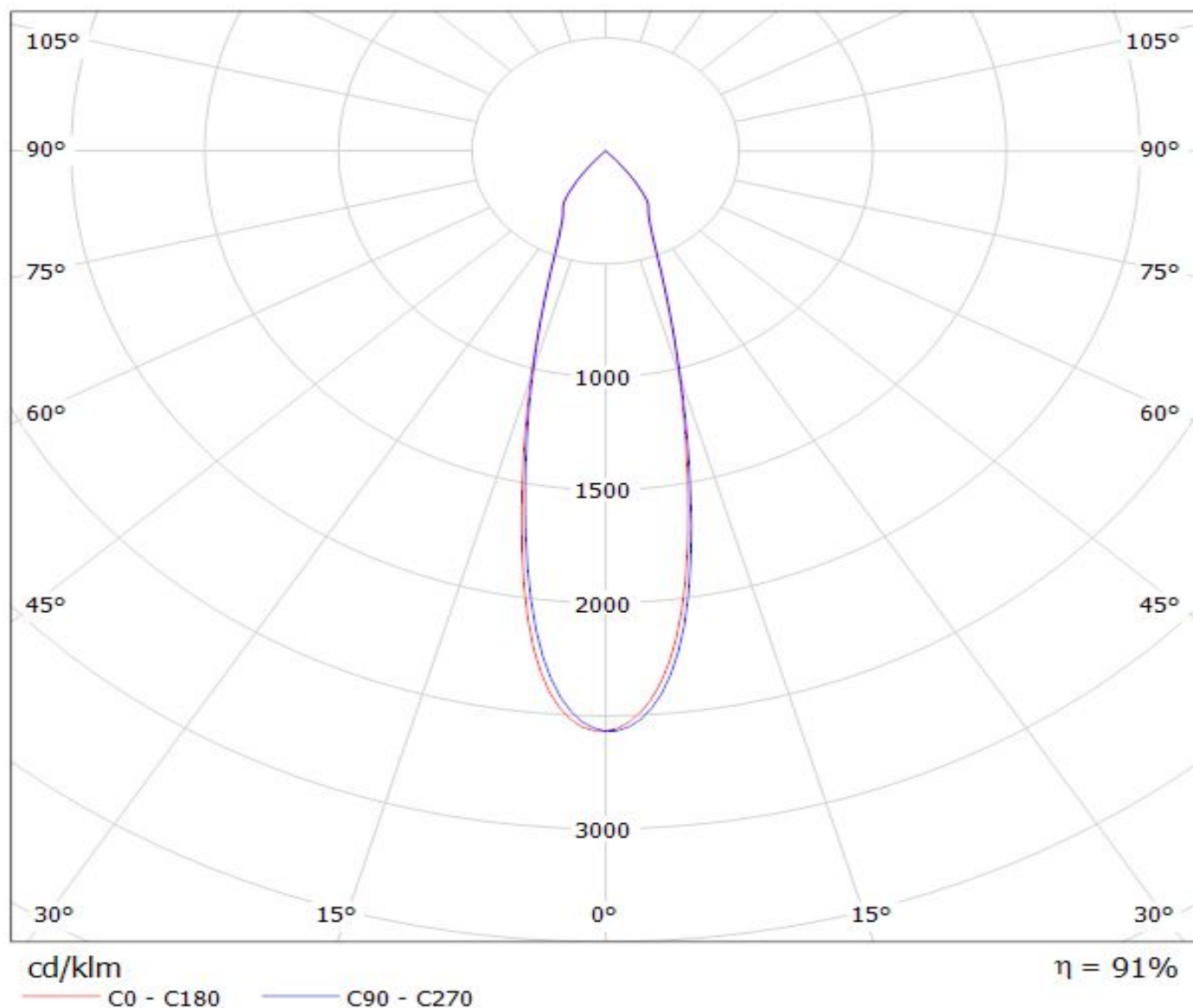
— C0 - C180

— C90 - C270

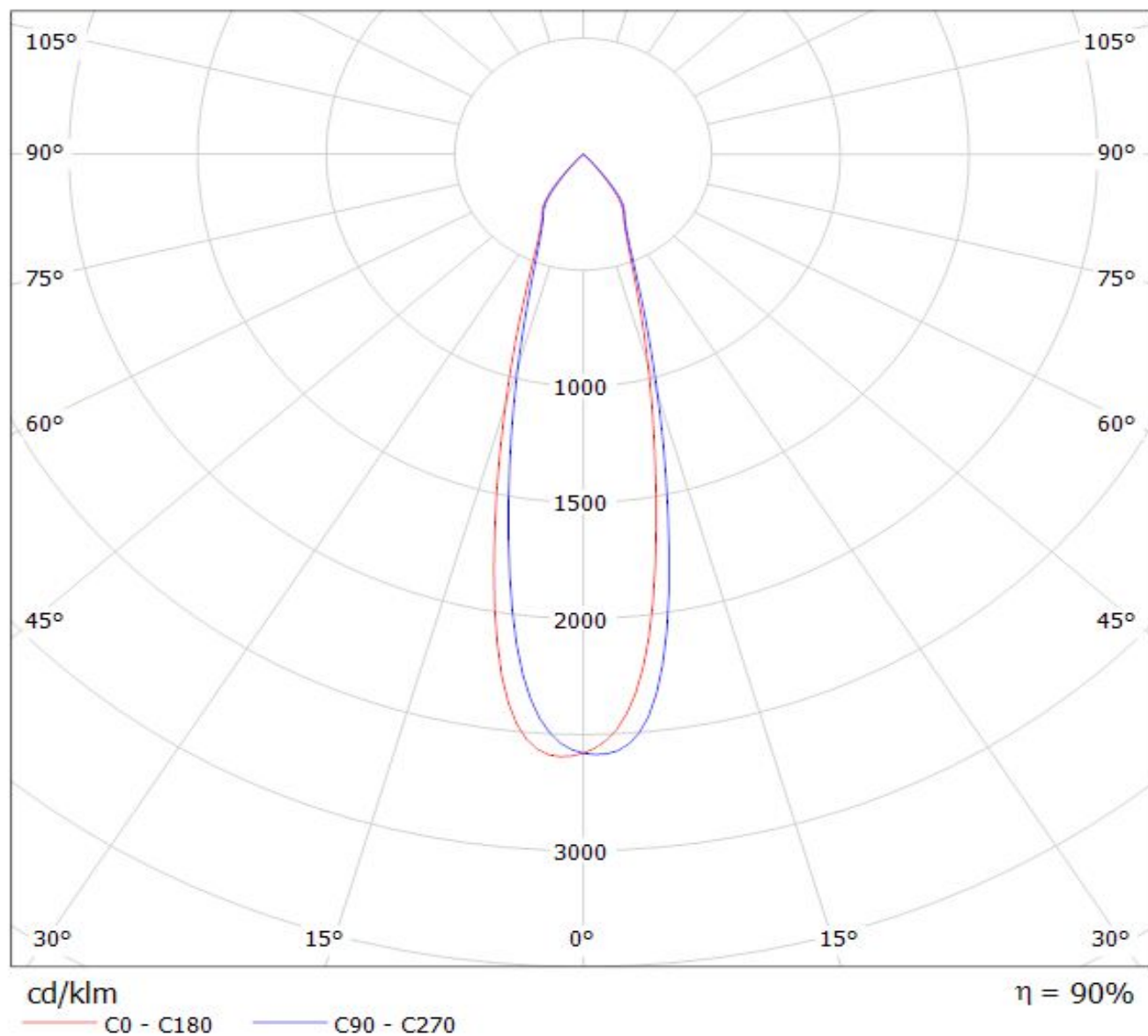
LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8% / LDC (Polar)

Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8%

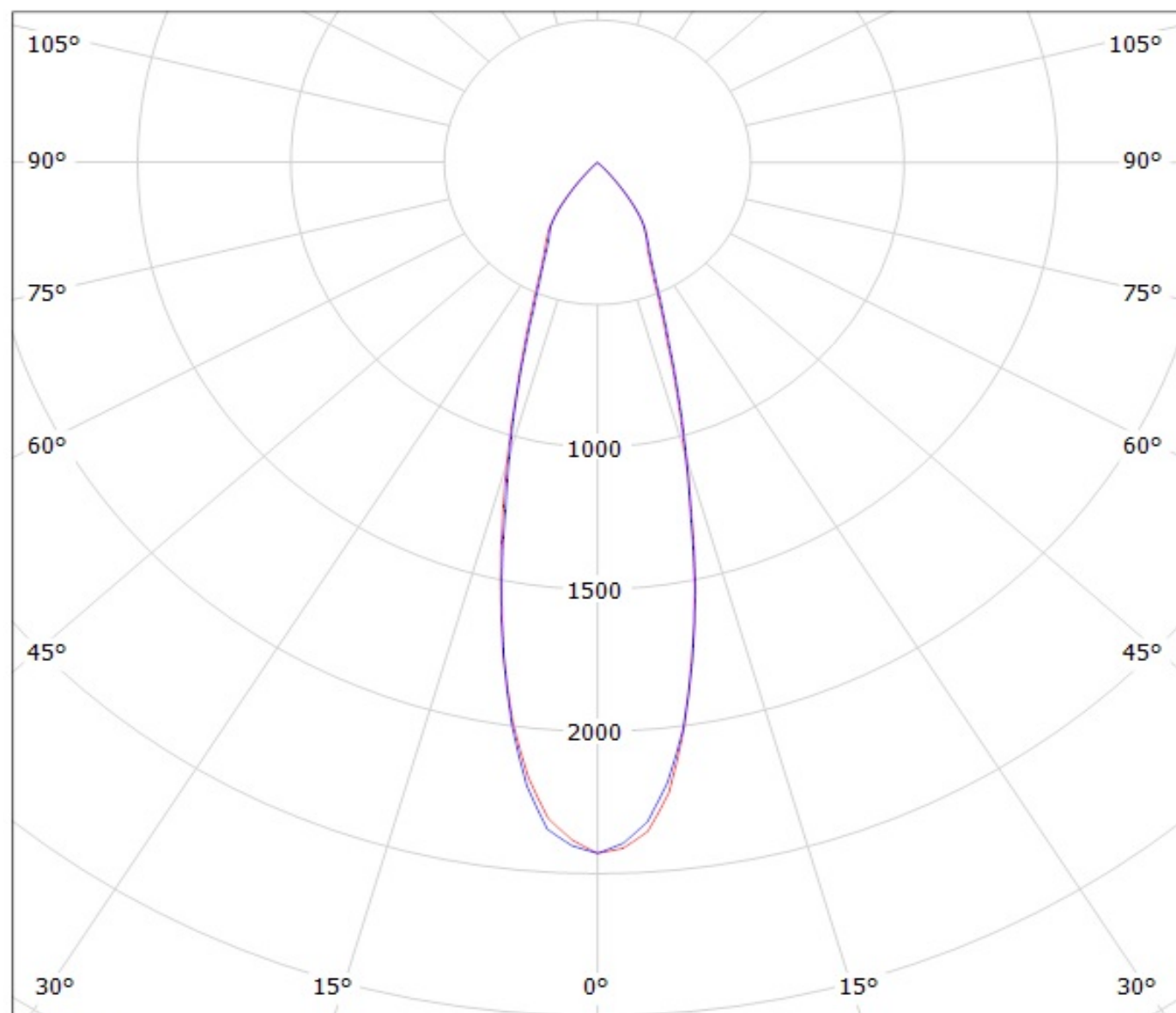
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W
I=54.5mA



Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MiniZenigata) Eff.90.1%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



Luminaire: Ledil Oy C12477_MIRELLA-50-M (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA

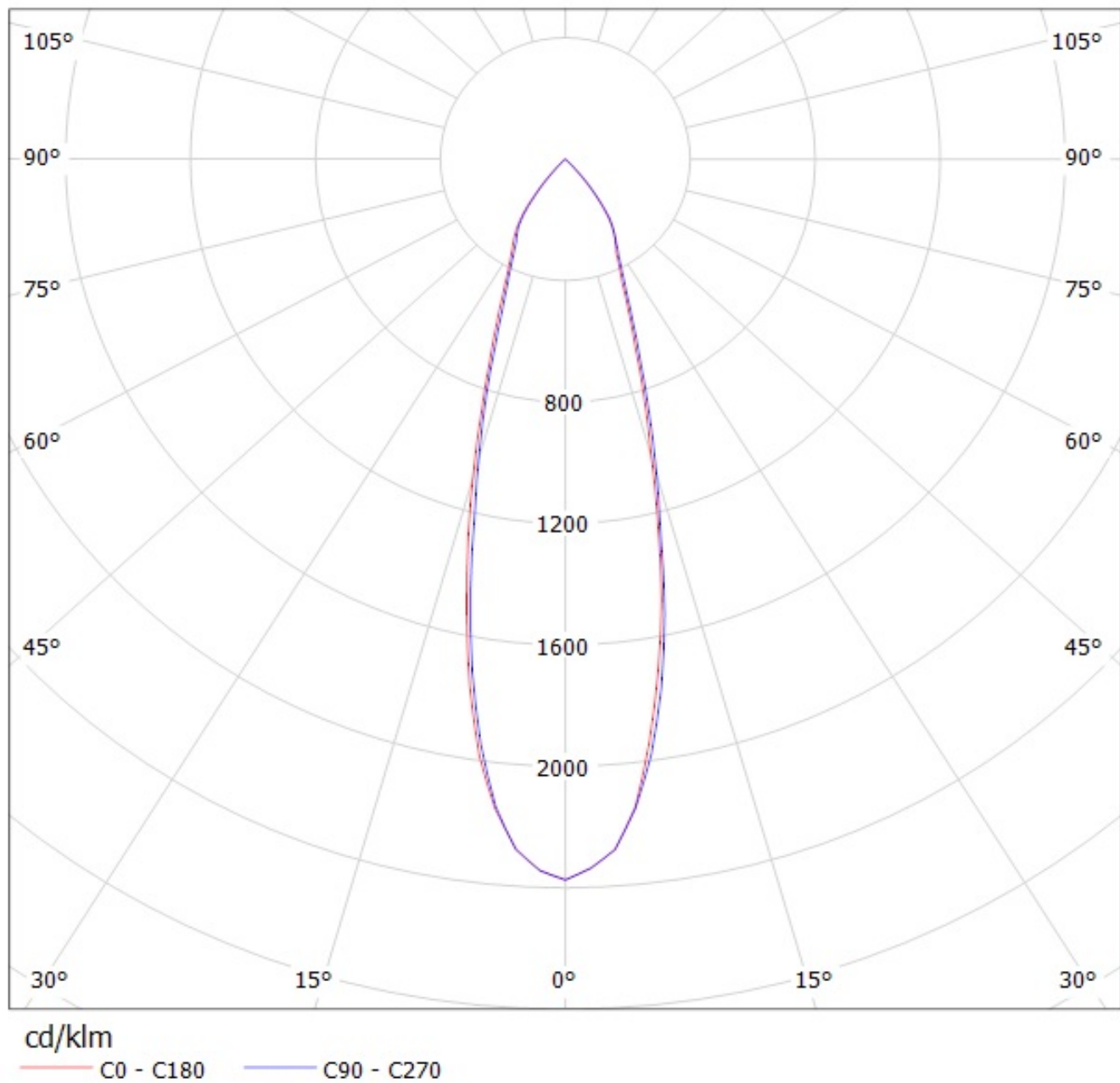


cd/klm

— C0 - C180

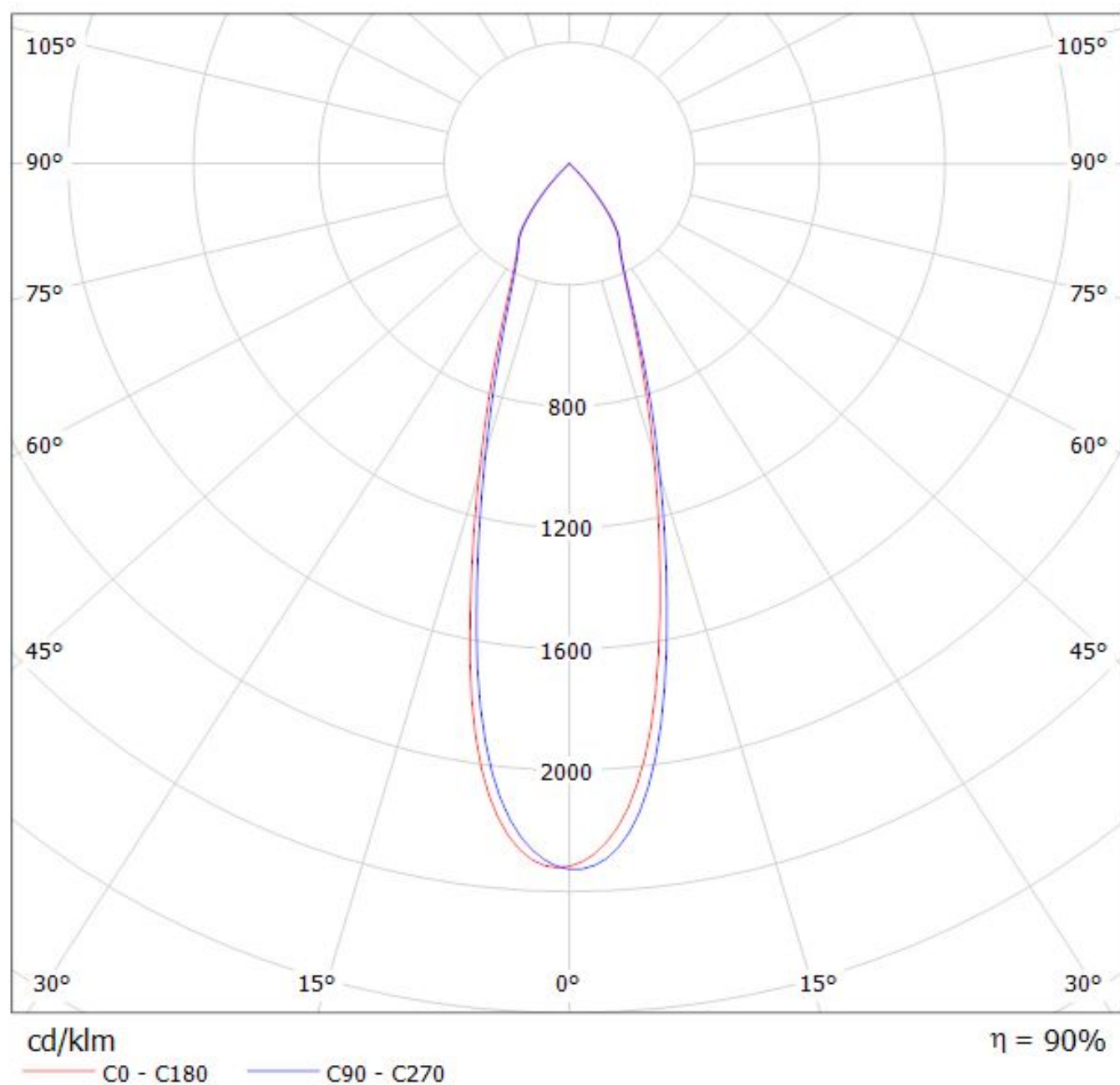
— C90 - C270

Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Luxeon_CoB_1203) Efficiency=89%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXM-9)

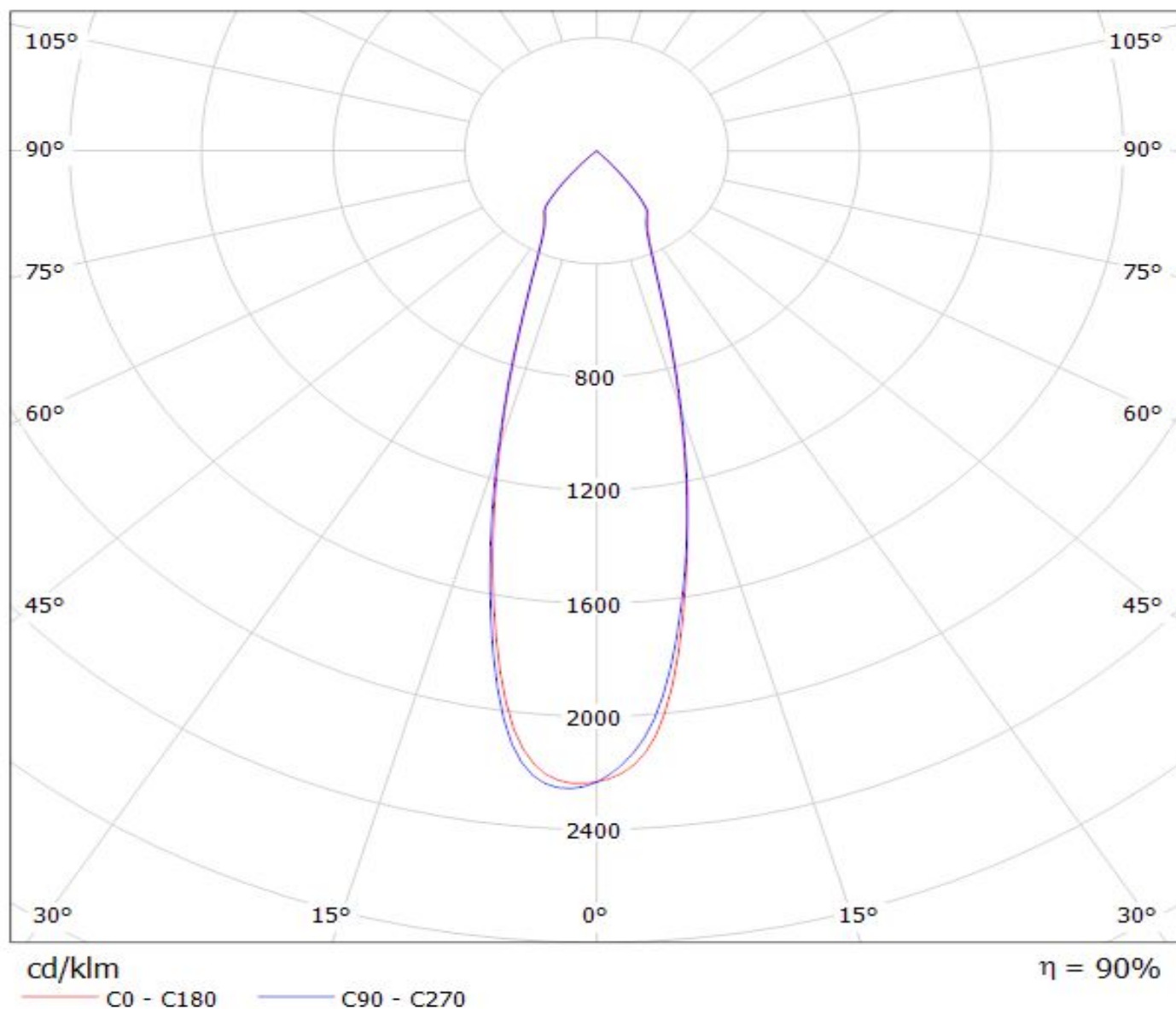
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_977.302lm@240mA_P=8.28264W_I=240mA



LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4% / LDC (Polar)

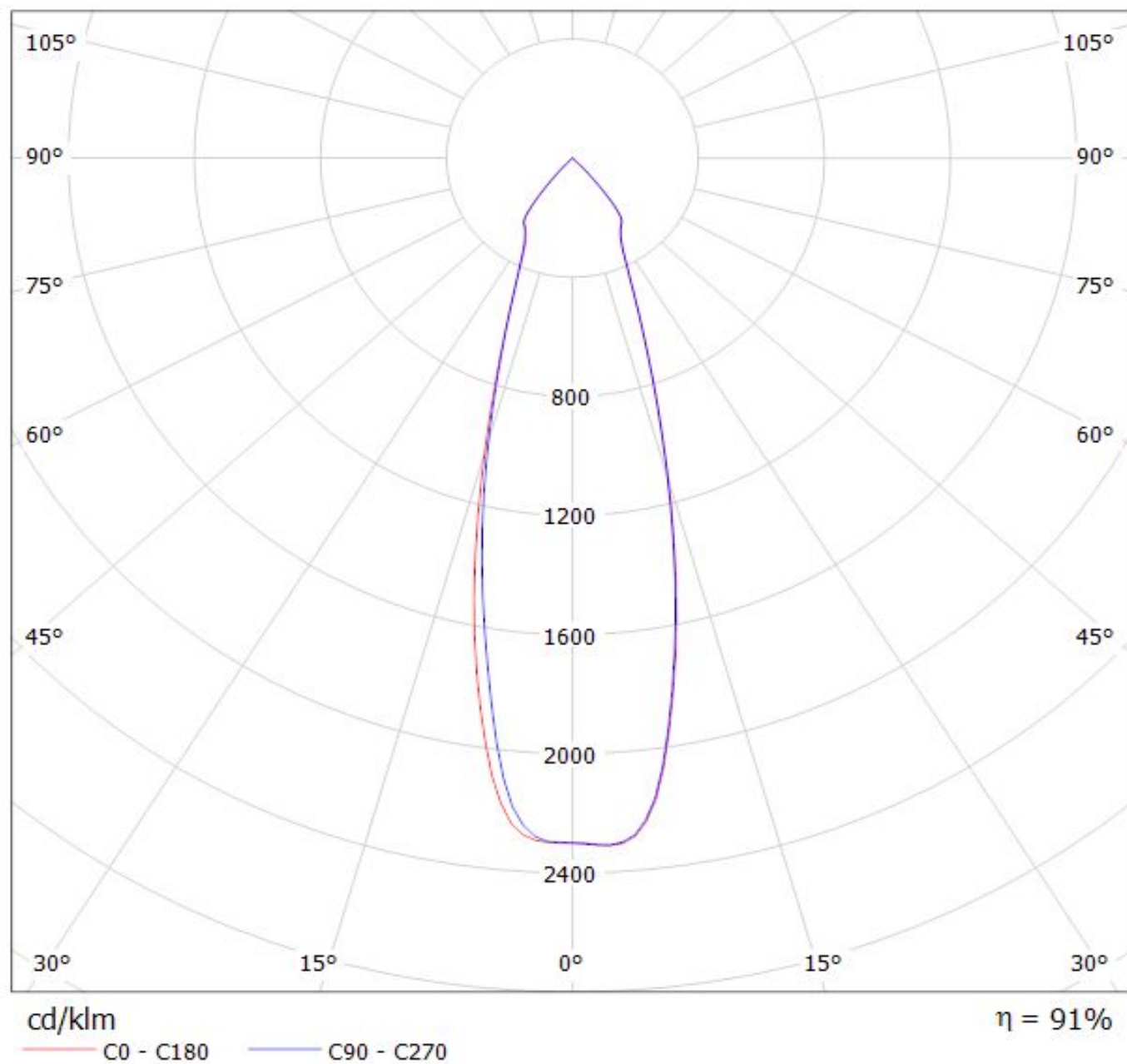
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4%

Lamps: 1 x MT-G2 (169lm@250mA)

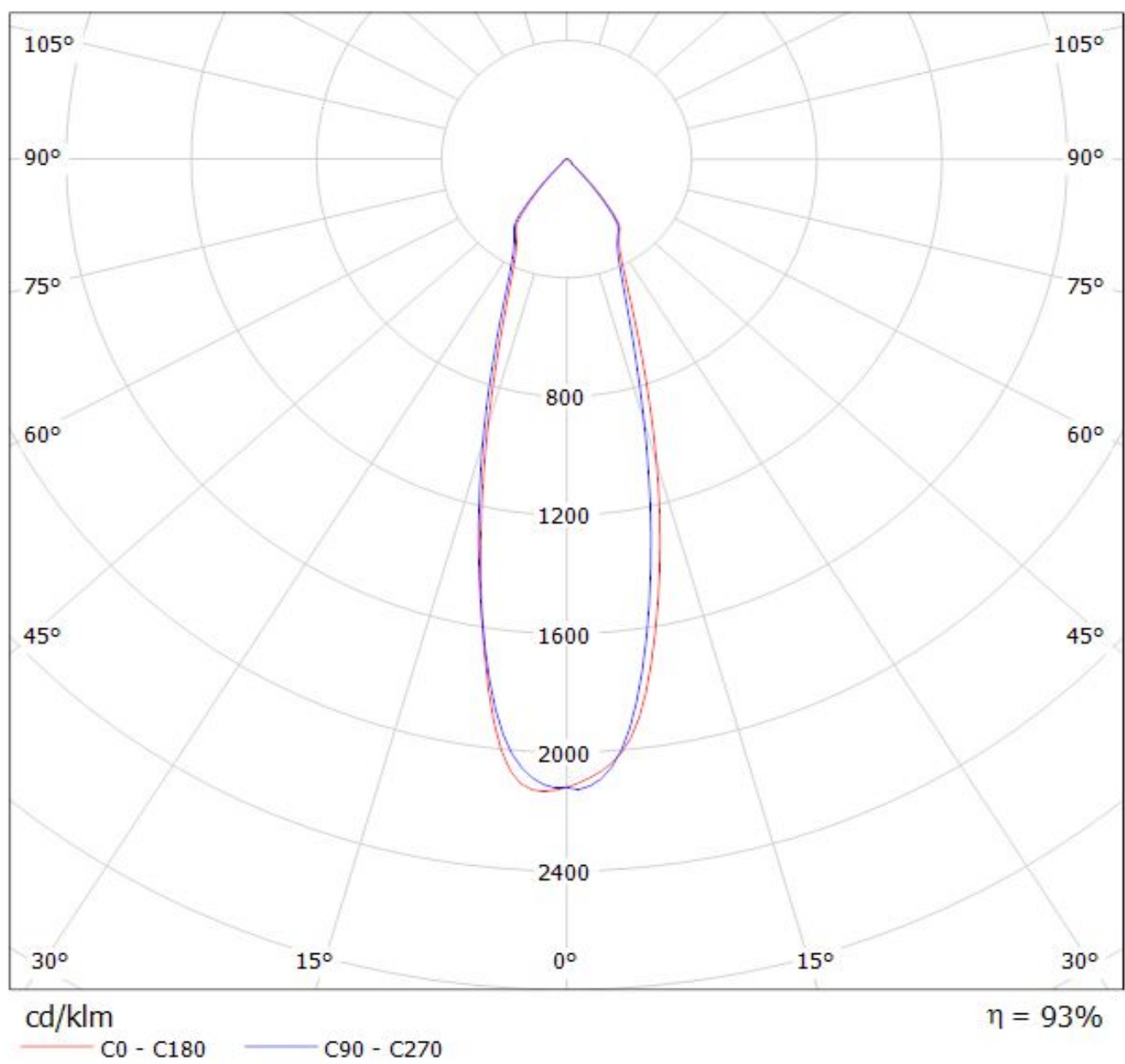


Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP70)

Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A

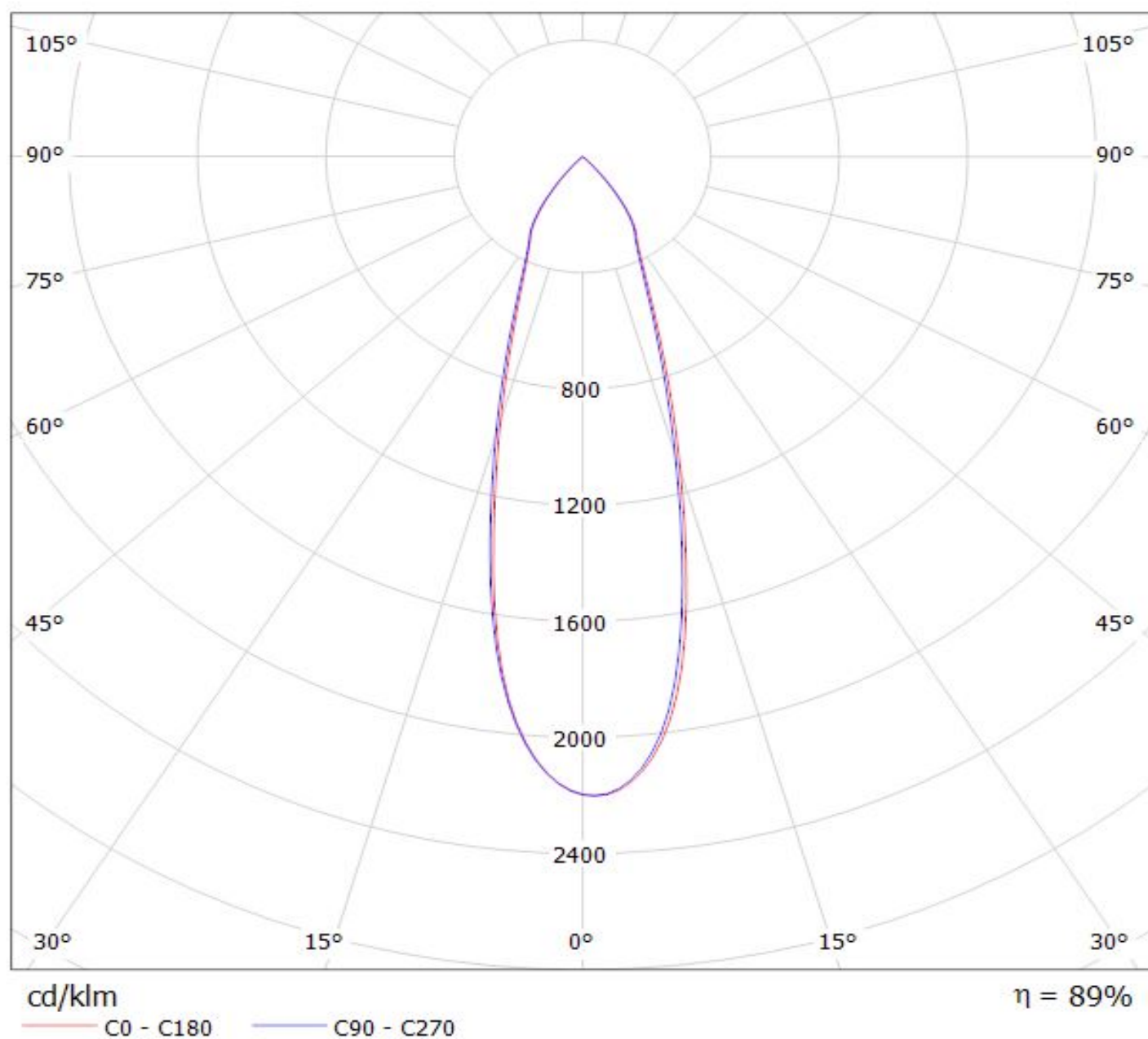


Luminaire: Ledil C12477_MIRELLA-50-M_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A

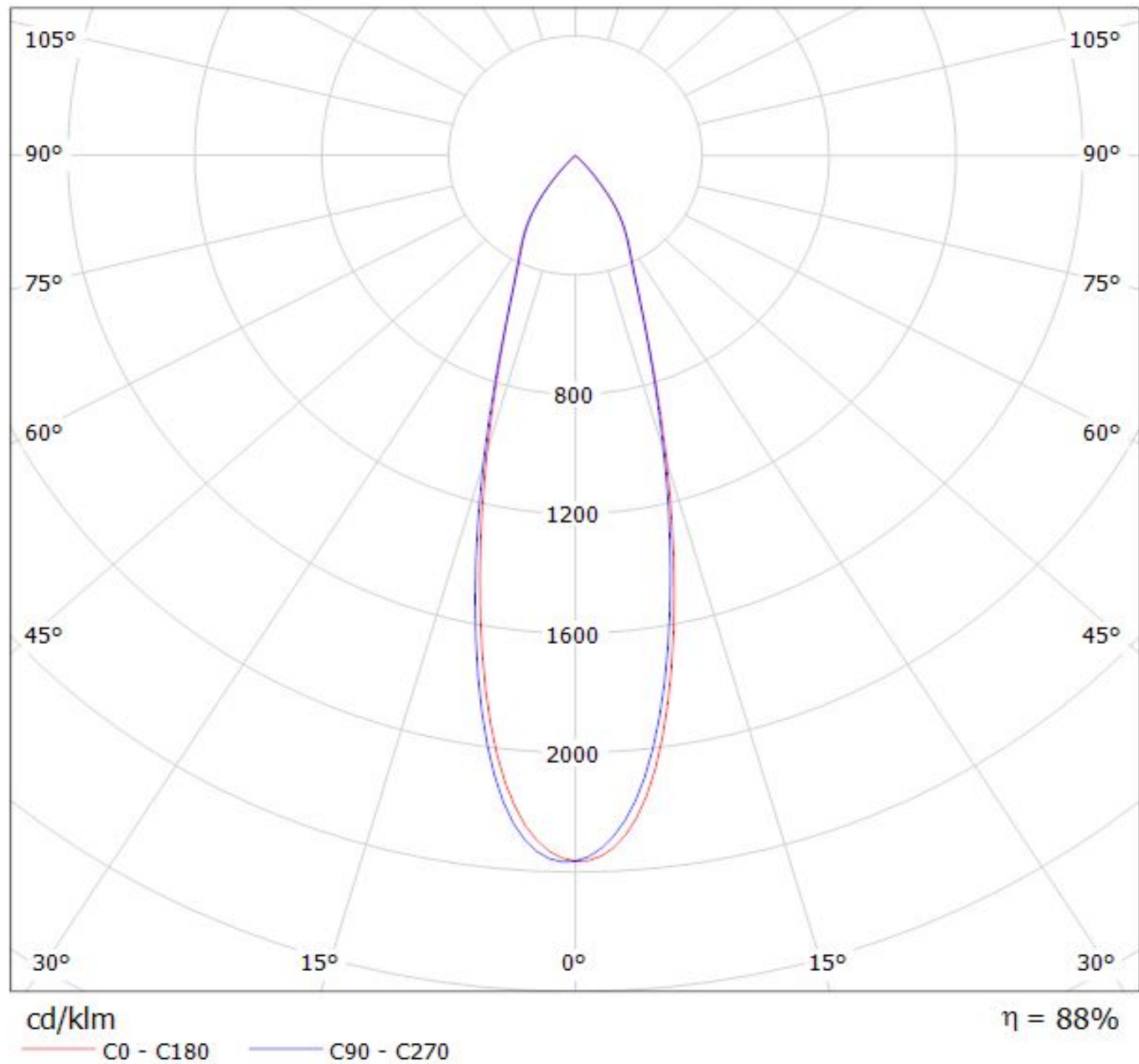


Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(SLE-G5_LES-11)

Lamps: 1 x Tridonic_SLE-G5_LES-11_1168.86lm@250mA_P=8.3243W_I=0.250A



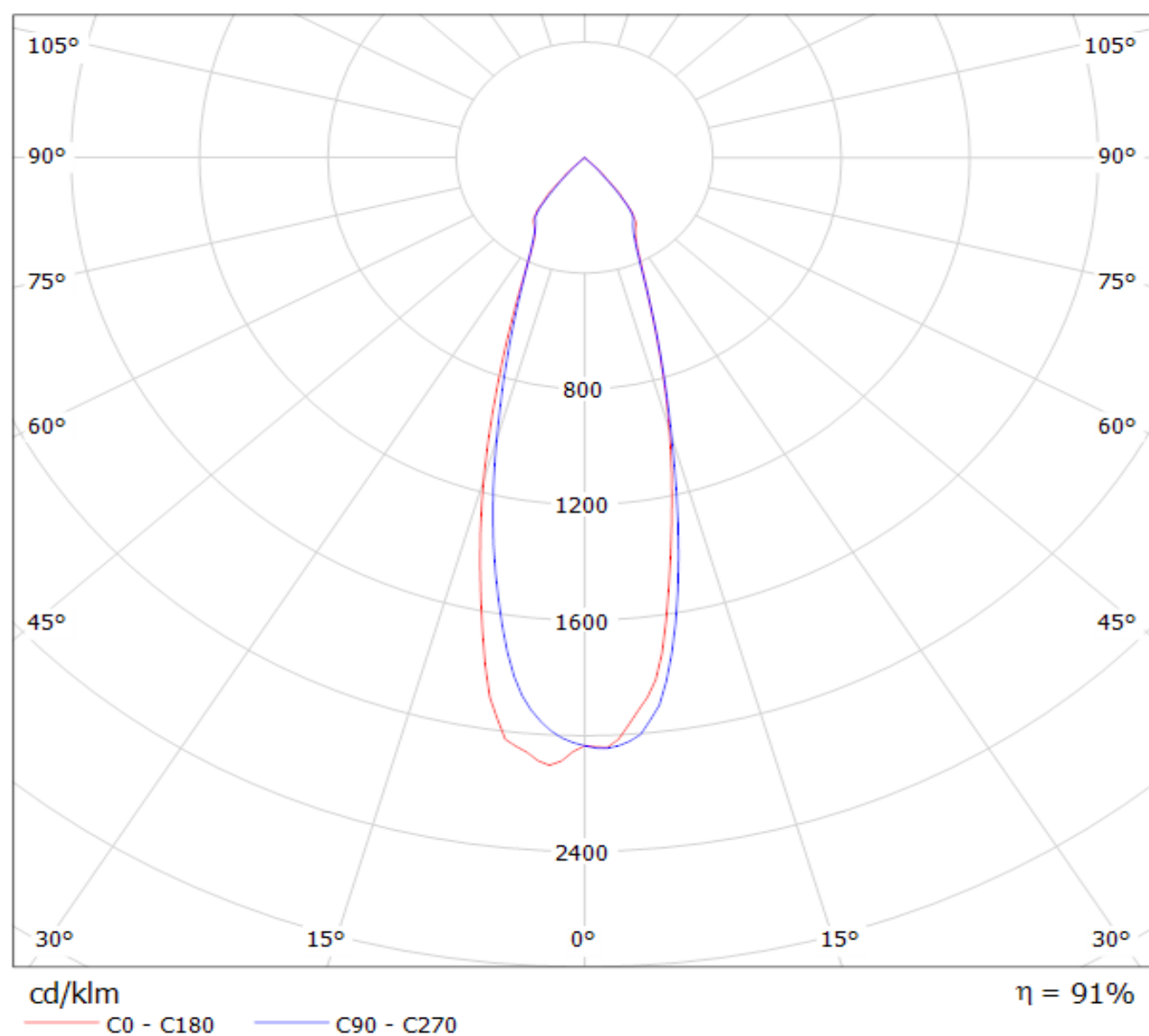
Luminaire: Ledil Oy
Lamps: 1 x C12477_MIRELLA-50-M_(CLL028)



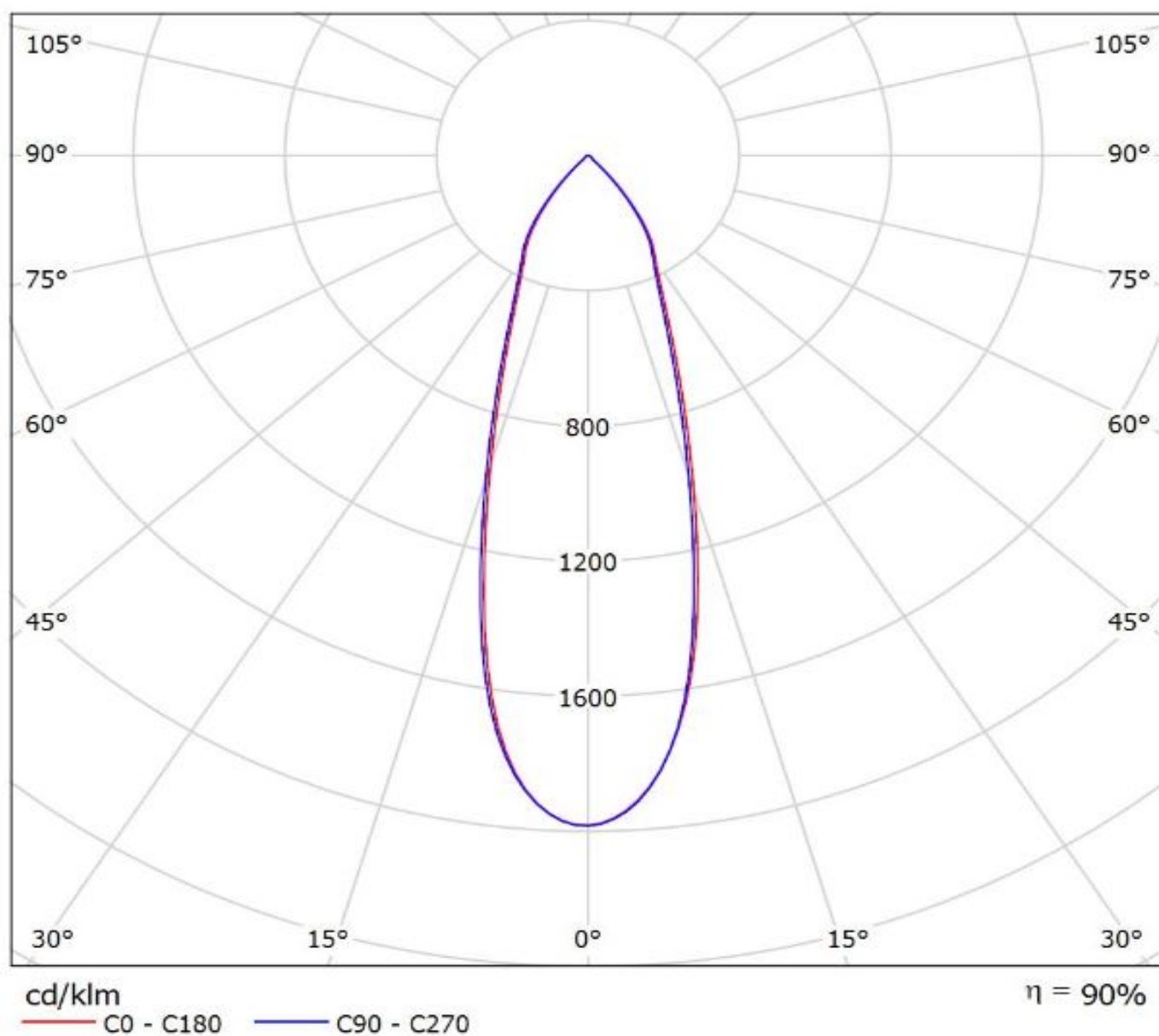
LEDIL OY C12477_MIRELLA-50-M_(MT-G) / LDC (Polar)

Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MT-G)

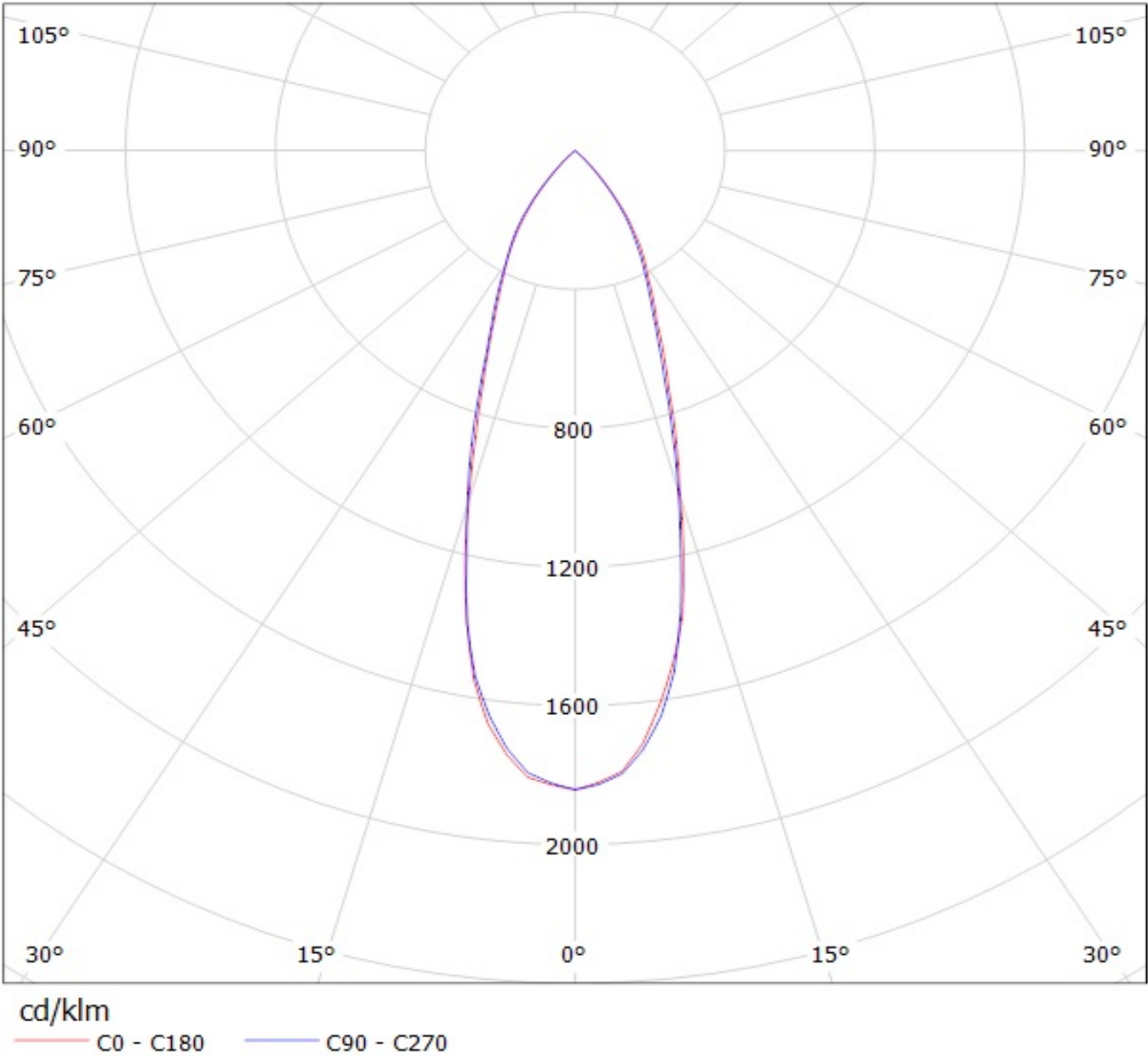
Lamps: 1 x MT-G (777.7lm)



Luminaire: Ledil C12477_MIRELLA-50-M_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Soleriq_S13) Efficiency=87%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

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.

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.