

DETAILS

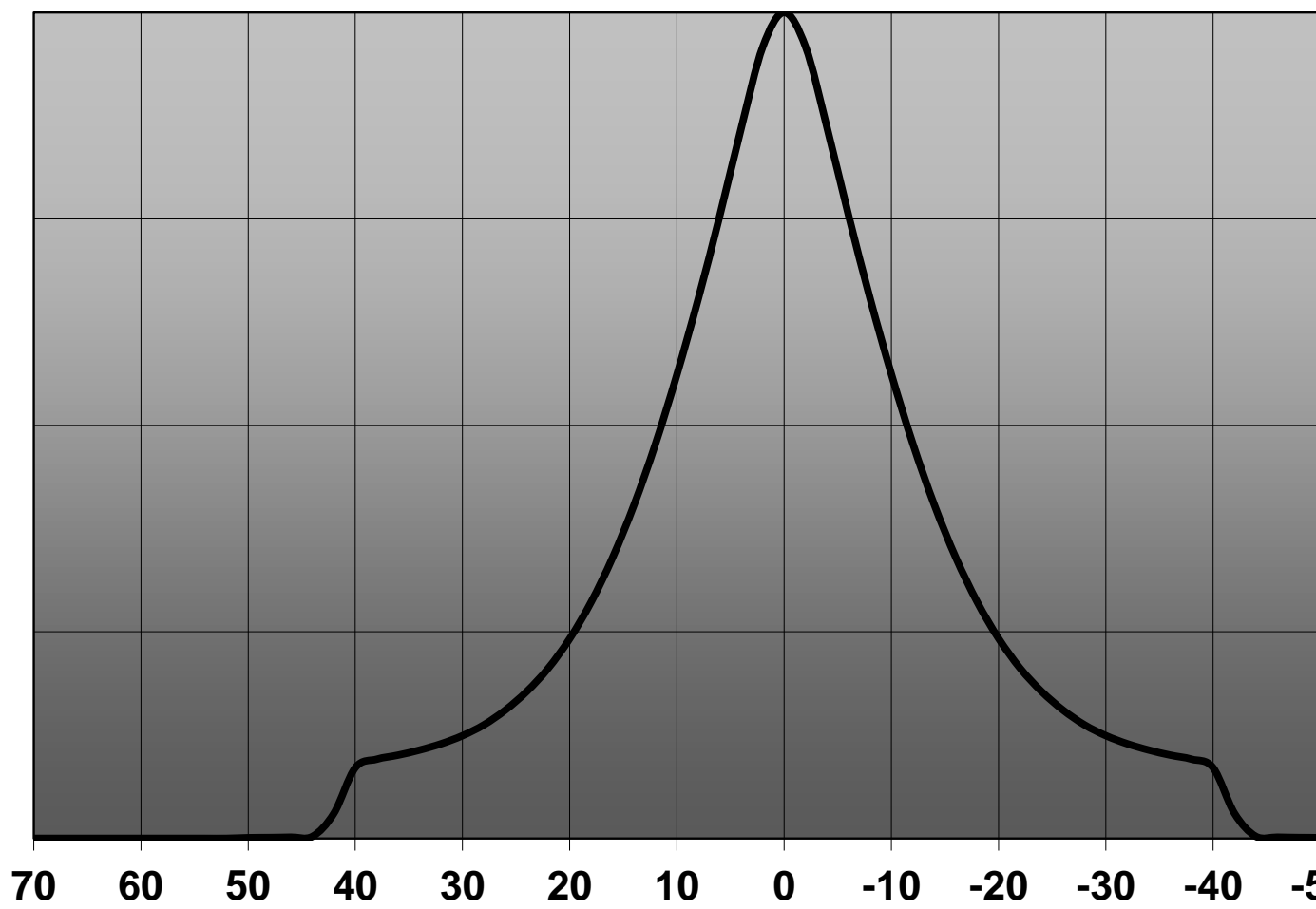
| | |
|------------------------|-------------------------|
| Product Number | C12481_MIRELLA-50-M-PIN |
| Family | Mirella |
| Type | Reflector |
| Color | metal |
| Diameter | 49,9 mm |
| Height | 23,9 mm |
| Style | round |
| Optic Material | PC |
| Holder Material | |
| Fastening | pin |
| Status | ready |
| ROHS Compliant | Yes |
| Date Updated | 18/07/2014 |



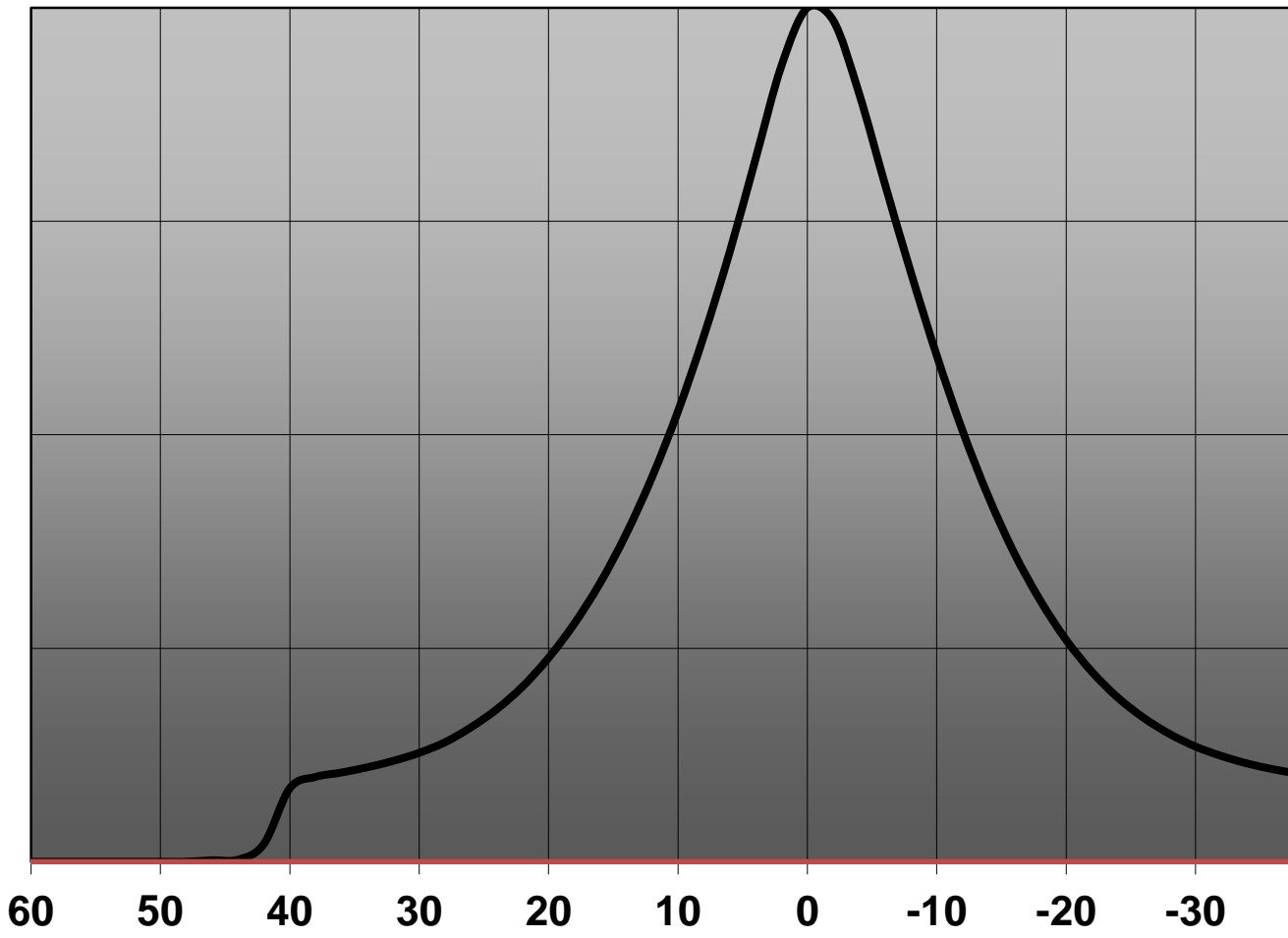
OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | connector |
|-----------------|---------------|------------|------------|-------|-----------|
| LUXEON MZ | 20 degrees | | 88 % | 4.000 | - |
| XM-L2 | 22 degrees | | 91 % | 3.100 | - |
| LUXEON A | 22 degrees | | 87 % | 3.400 | - |
| XP-G2 | 22 degrees | | 88 % | 2.900 | - |
| Oslon Square EC | 22 degrees | | 84 % | 3.400 | - |
| Duris S8 | 22 degrees | | 88 % | 3.200 | - |
| XT-E | 23 degrees | | 85 % | 3.400 | - |
| XM-L | 24 degrees | | 89 % | 2.900 | - |
| XP-G | 24 degrees | | 86 % | 3.300 | - |
| LUXEON M | 24 degrees | | 87 % | 2.630 | - |
| NS9x383 | 24 degrees | | 88 % | 2.450 | - |

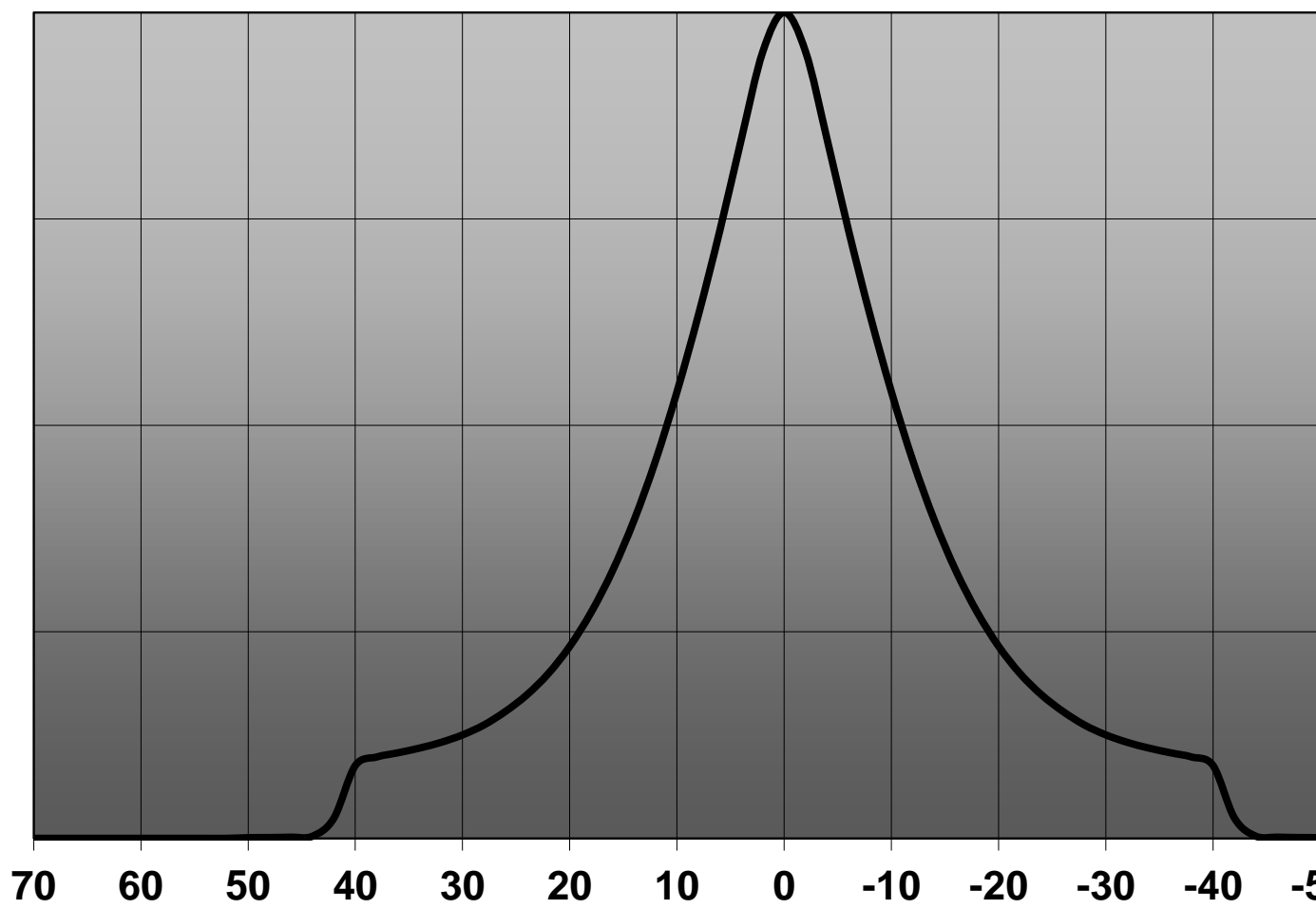
Relative intensity of C12481_Mirella_50-M-PIN_(L



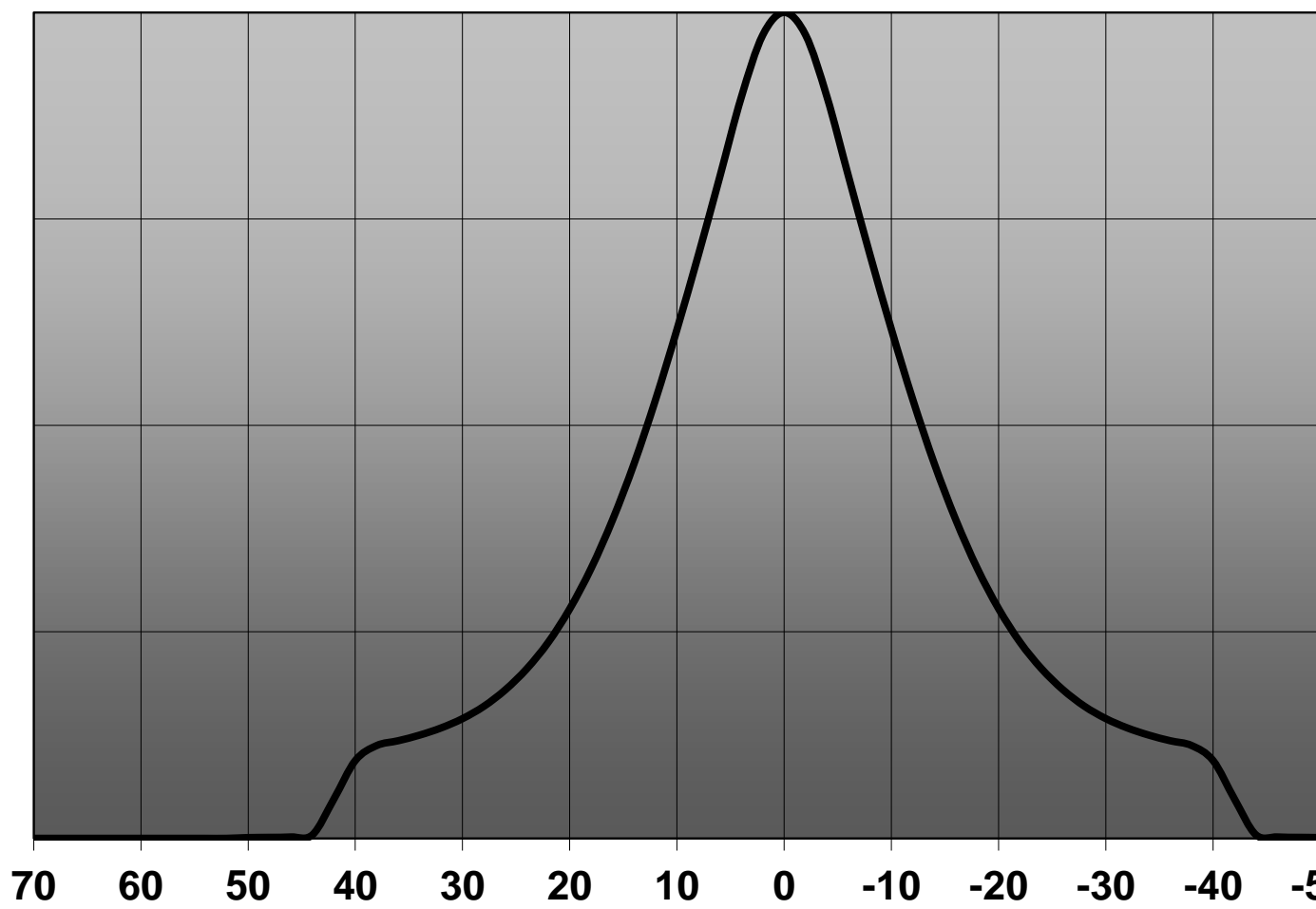
Relative intensity of C12481_MIRELLA-50-M-F



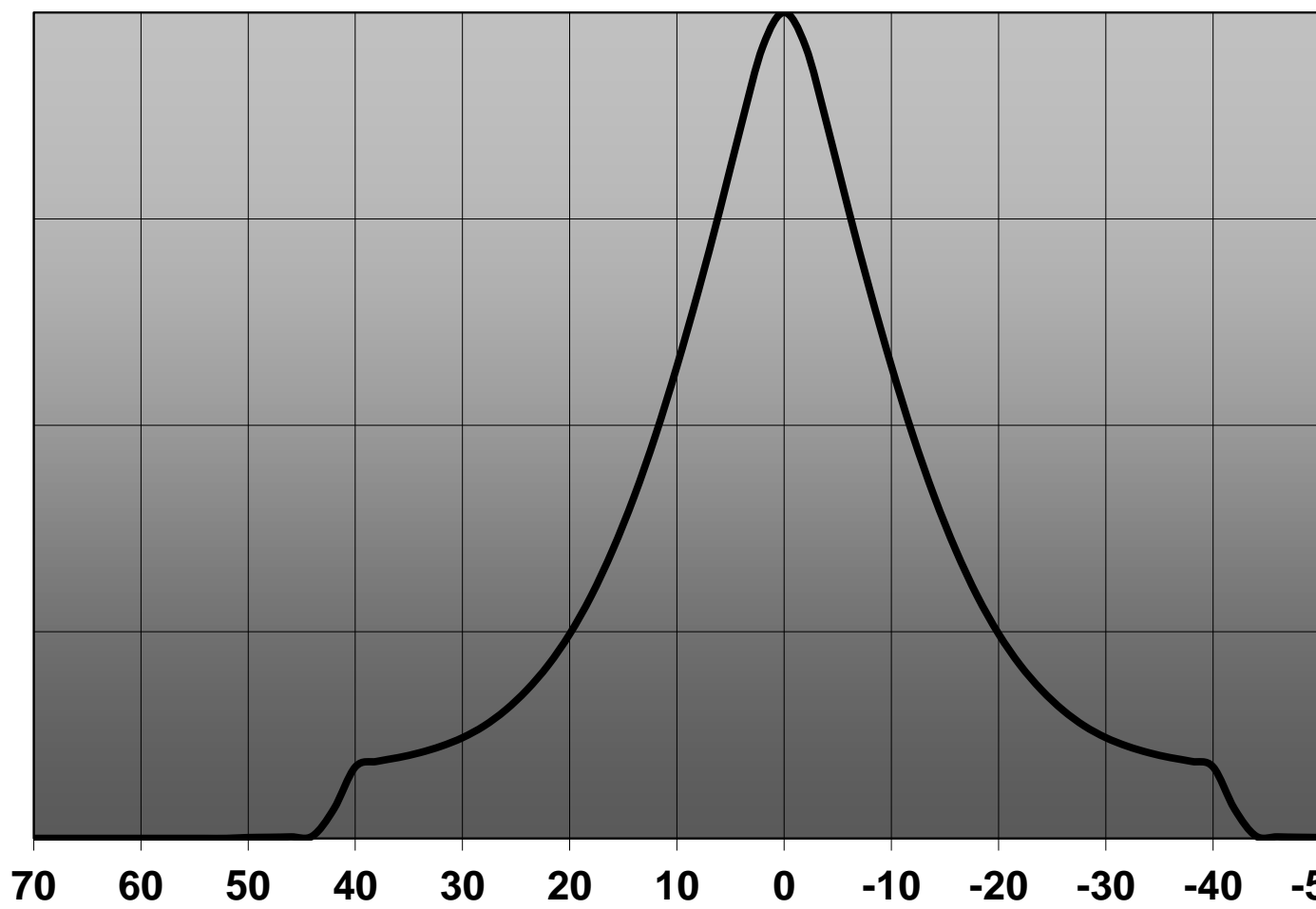
Relative intensity of C12481_Mirella_50-M-PIN_(C



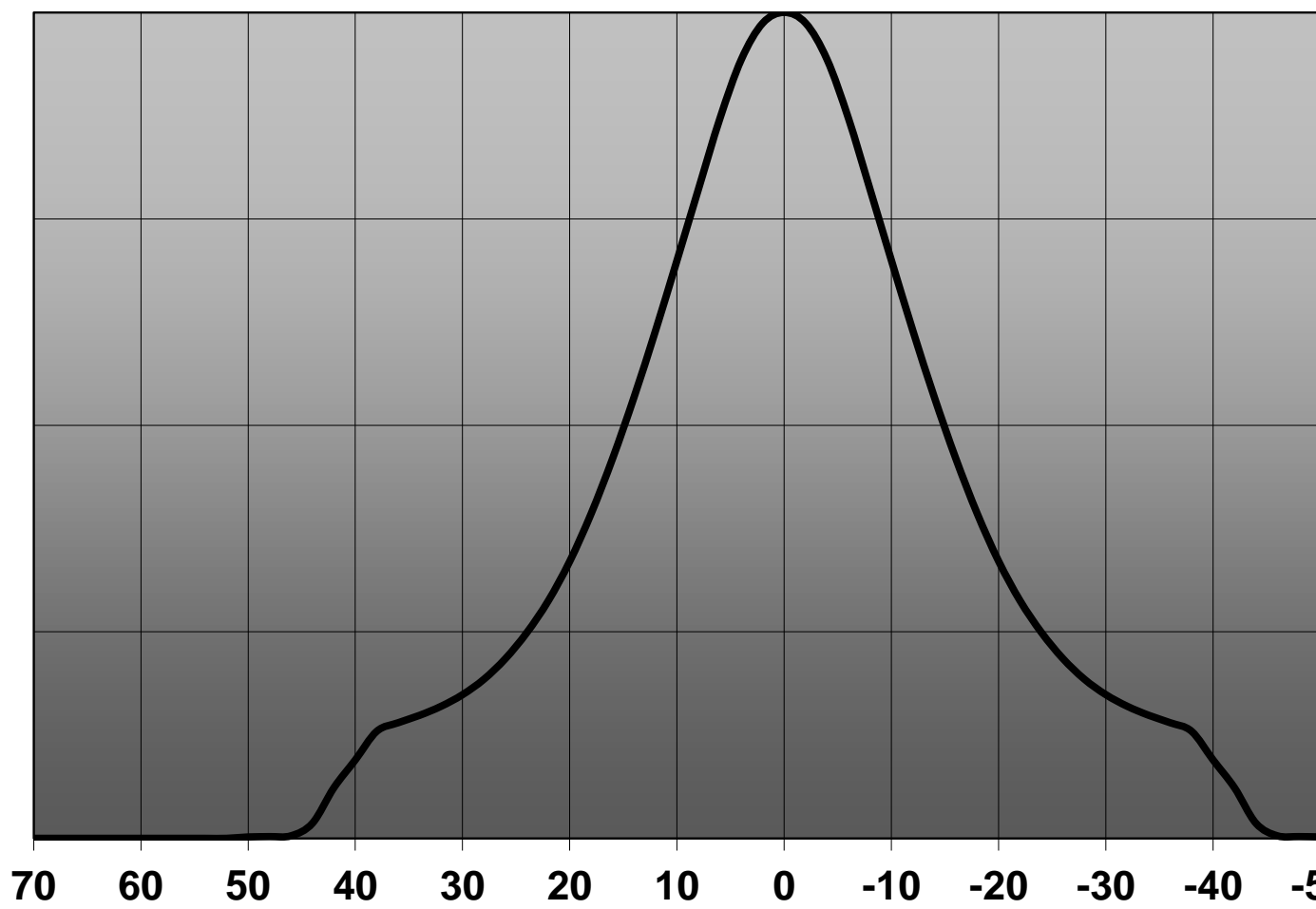
Relative intensity of C12481_Mirella_50-M-PIN_()



Relative intensity of C12481_Mirella_50-M-PIN_(X)



Relative intensity of C12481_Mirella_50-M-PIN_(L

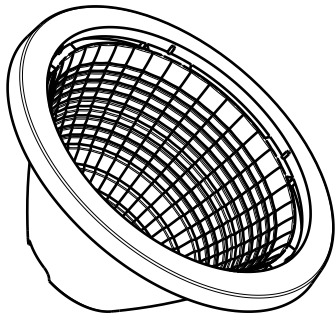


D

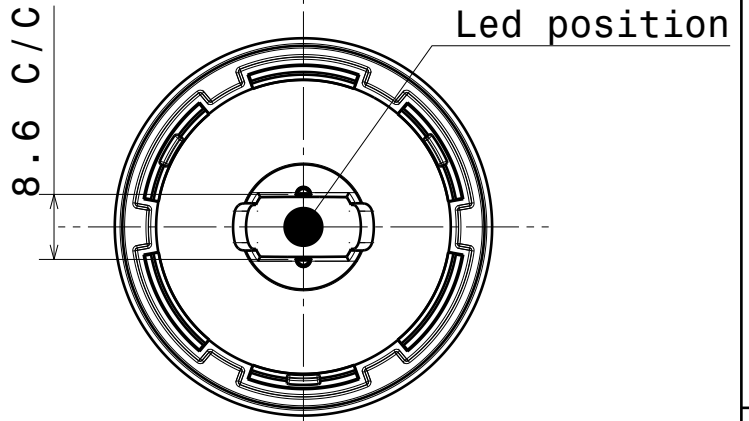
C

B

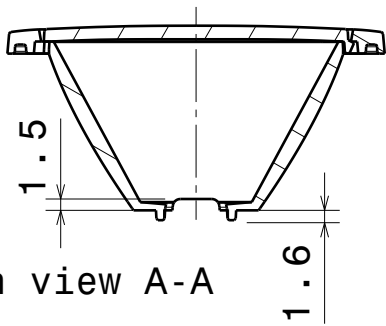
A



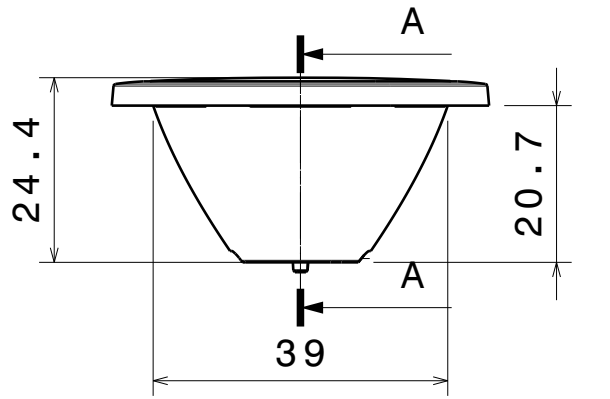
Isometric view



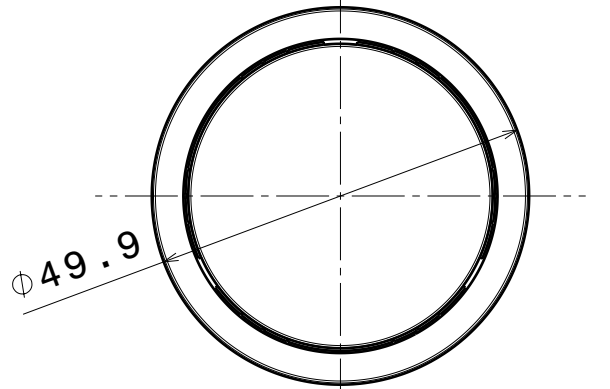
Bottom view



Section view A-A



Front view



Top view

4

4

3

3

2

2

1

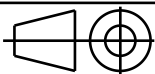
1

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 Up to 30mm class F, otherwise class M.
 According to DIN ISO 2768-2
 Form and position: class K



Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Datasheet_Mirella_pin

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

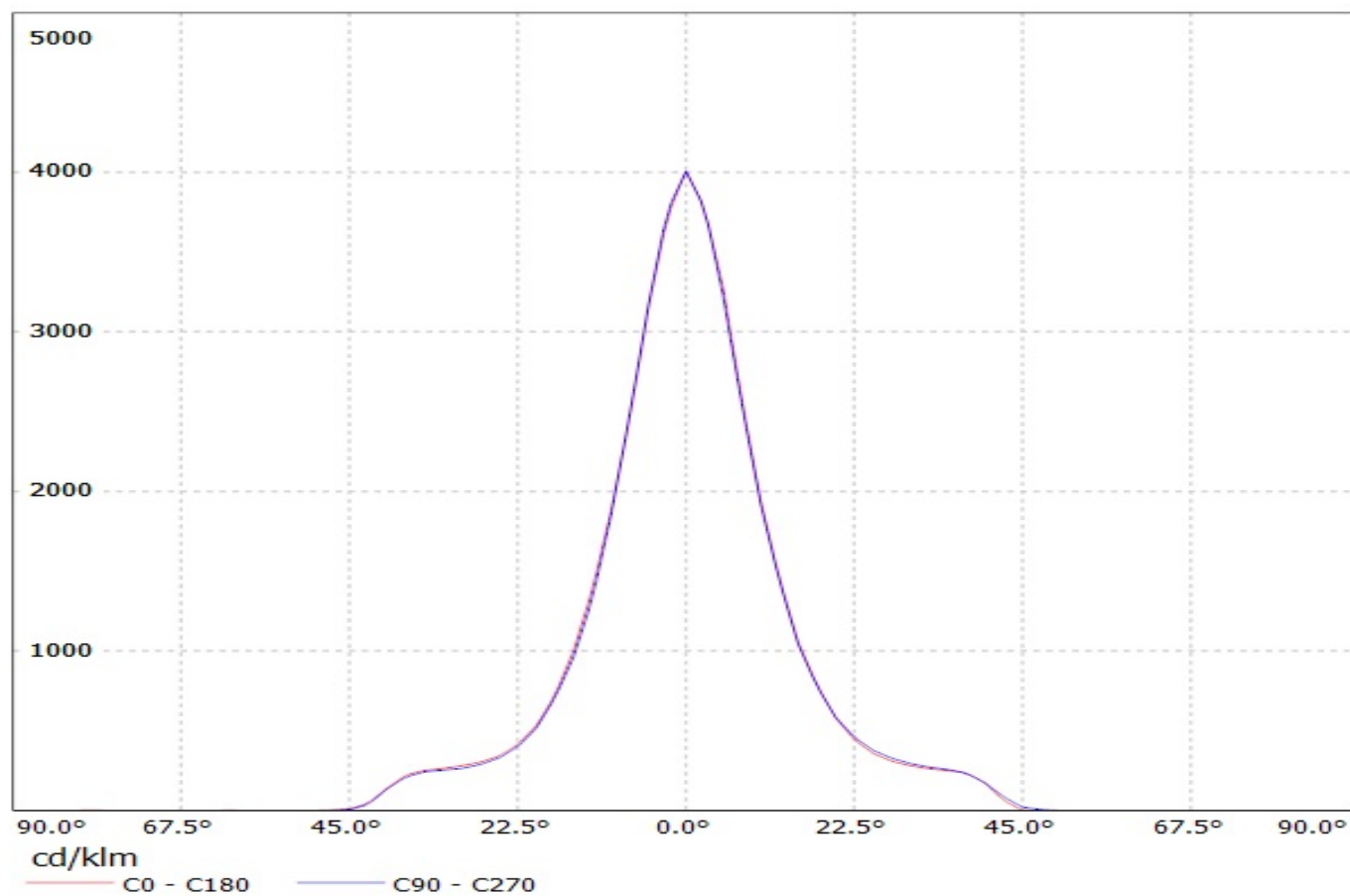
| | |
|------|-------------|
| SIZE | PART NUMBER |
| A4 | - |

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

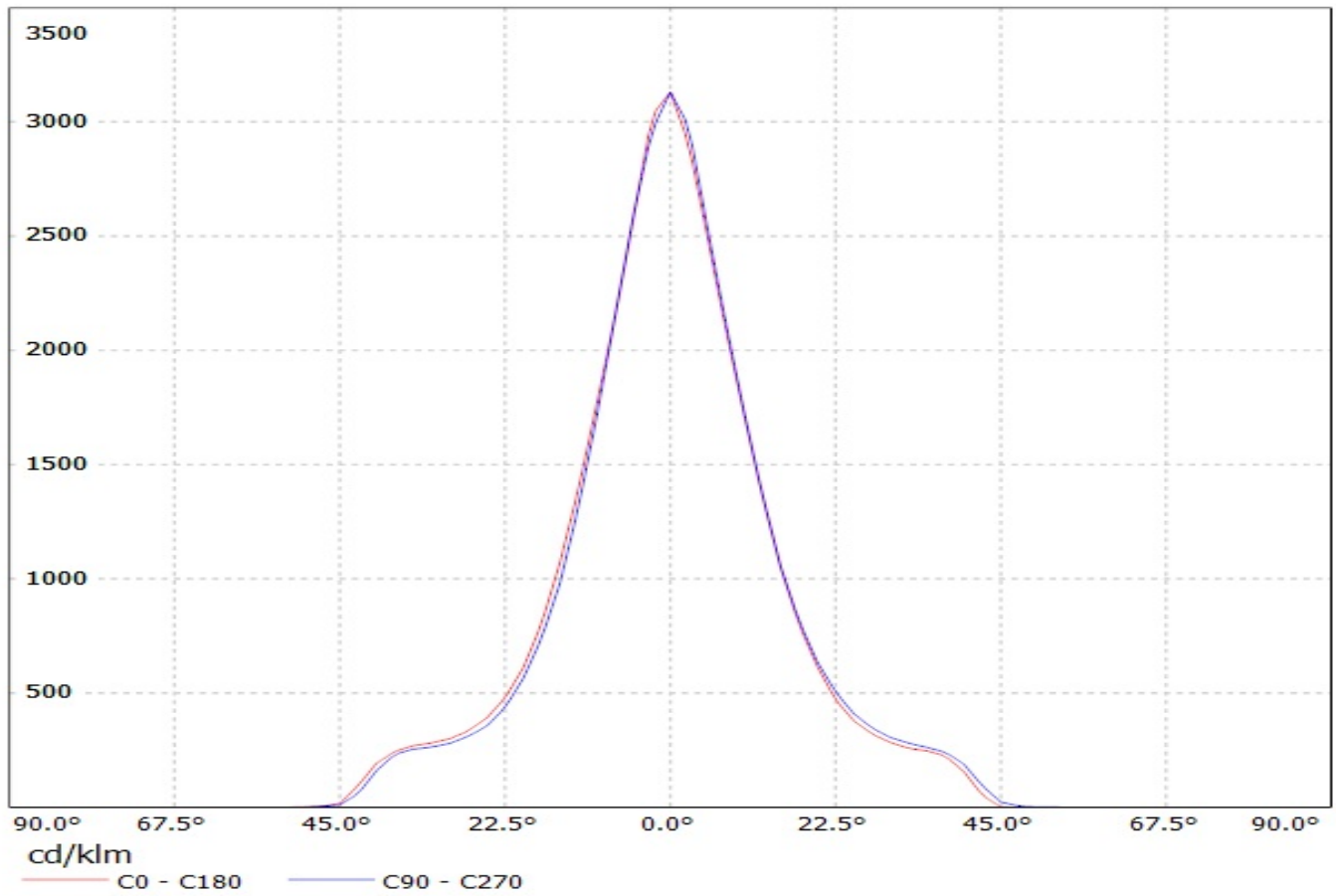
D

A

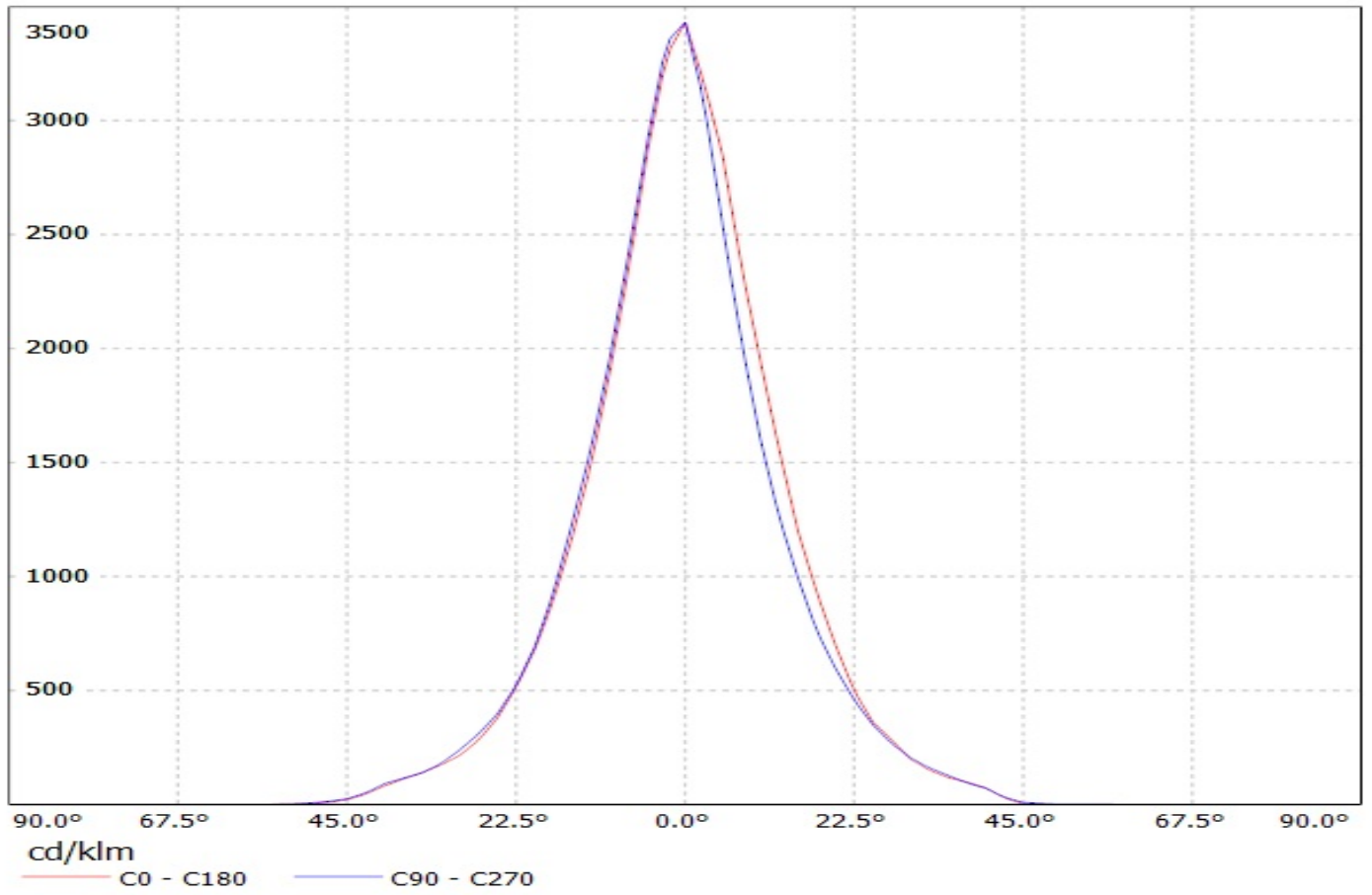
Luminaire: LEDil OY C12480_MIRELLA-50-S-PIN_(Luxeon_MZ) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



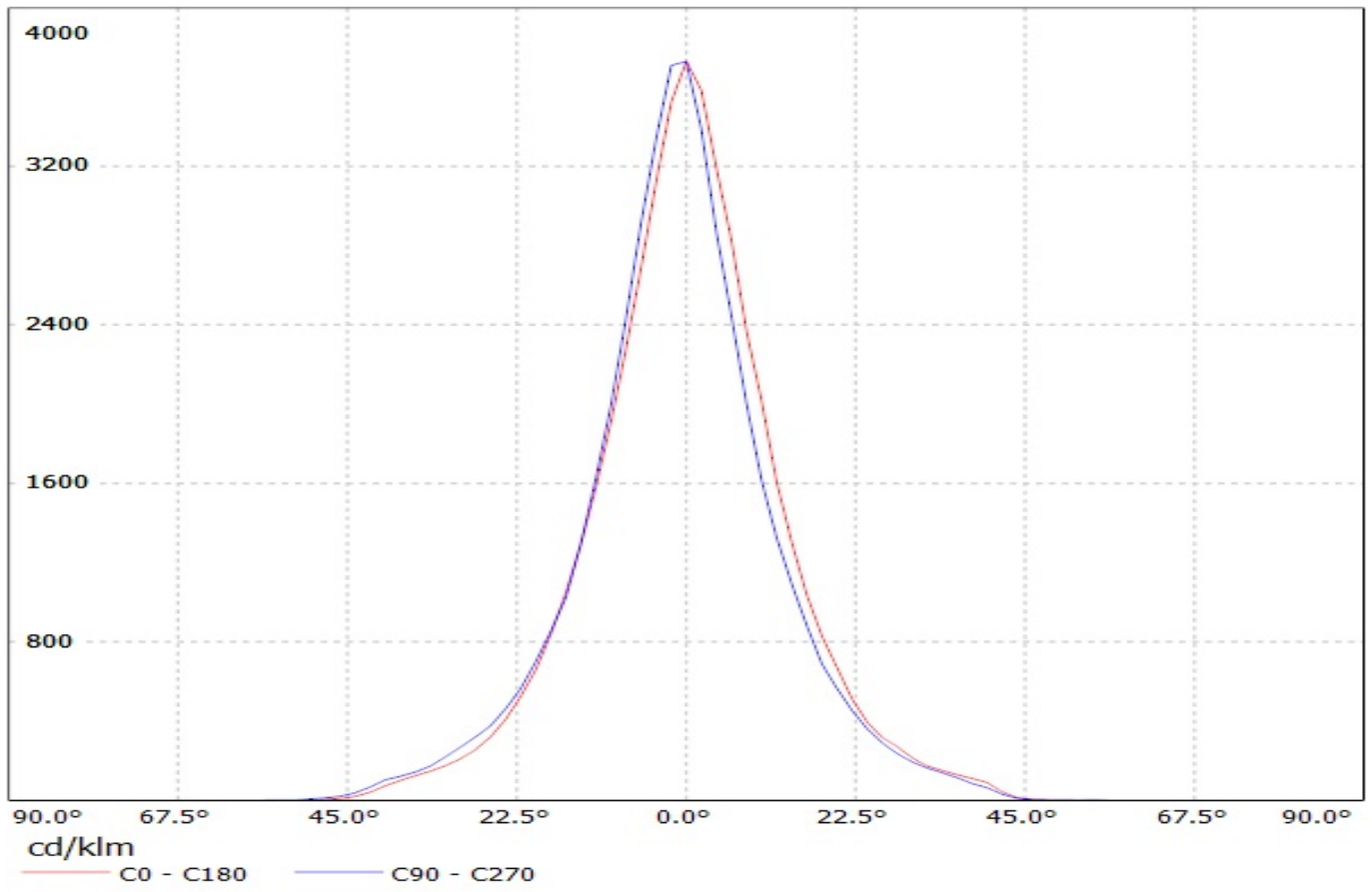
Luminaire: Ledil Oy C12481_MIRELLA-50-M-PIN (Cree XM-L2 100lm @ 250mA) Efficiency=91%
Lamps: 1 x Cree XM-L2 100lm @ 250mA



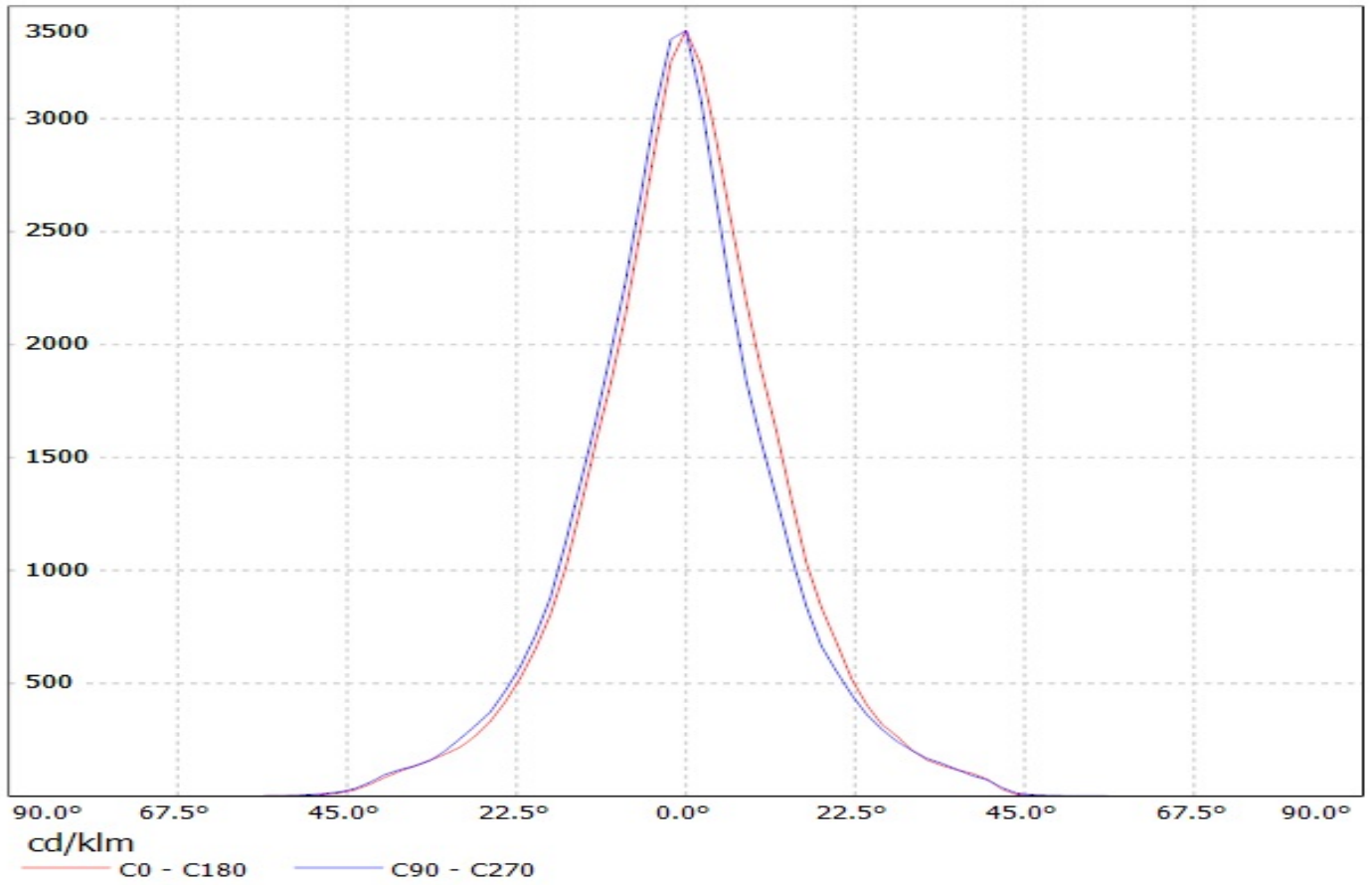
Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Luxeon A 70lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon A 70lm @ 250mA



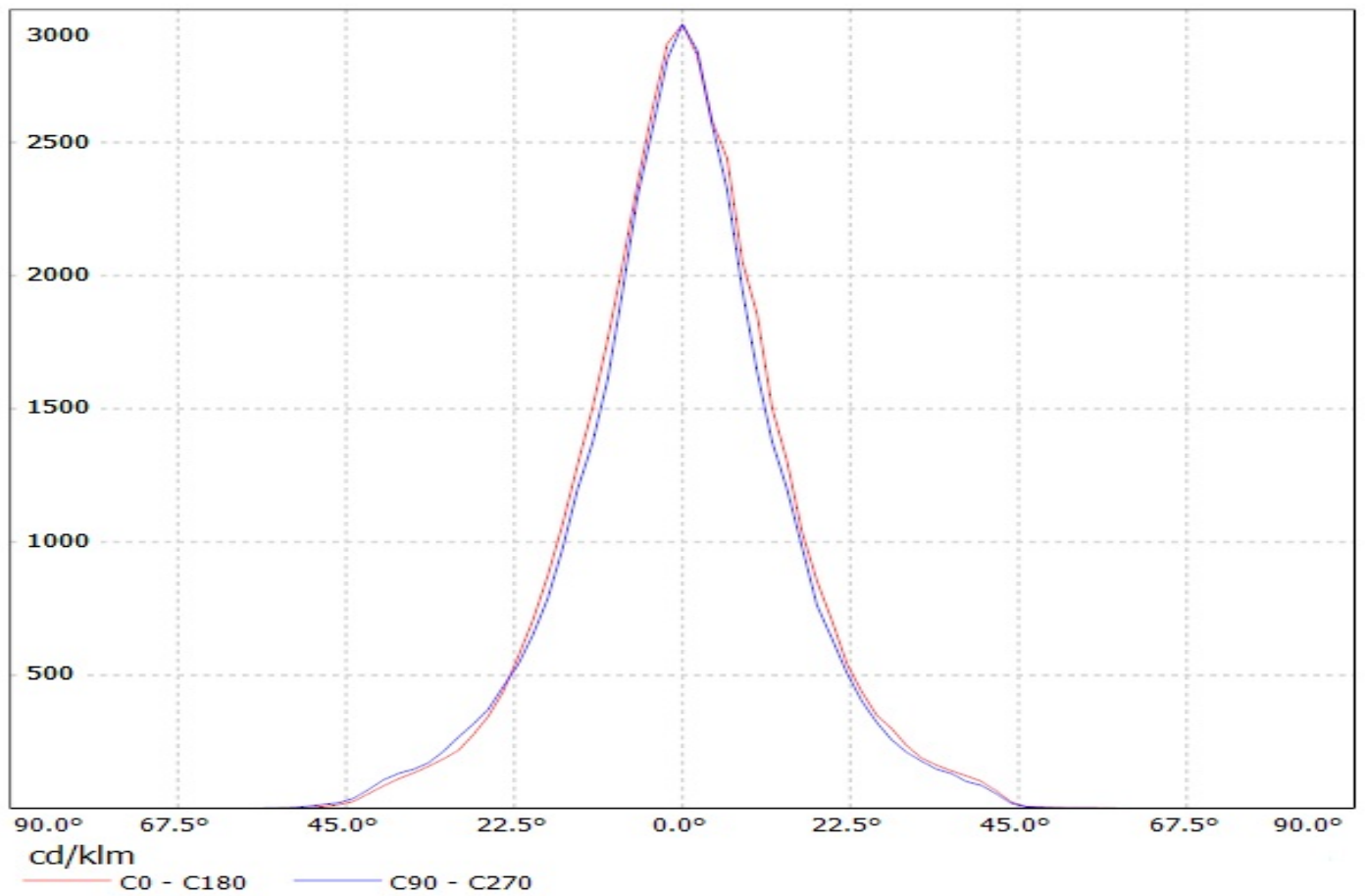
Luminaire: Ledil Oy 12481_Mirella_50-M-PIN (Osram Square EC 78lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 78lm @ 250mA



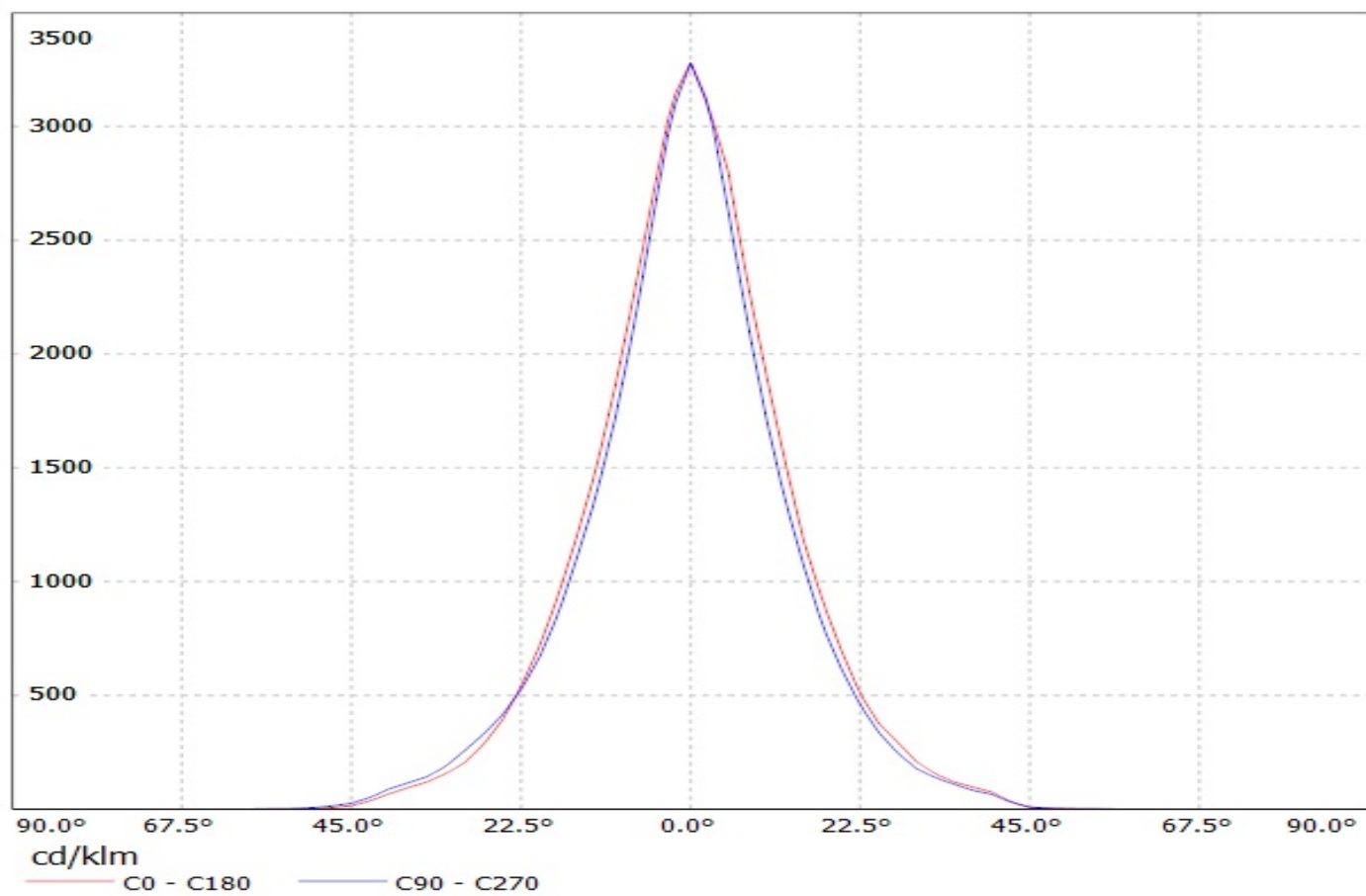
Luminaire: Ledil Oy C12481_MIRELLA-50-M-PIN (Cree XT-E) Efficiency=85%
Lamps: 1 x Cree XT-E 113lm @ 250mA



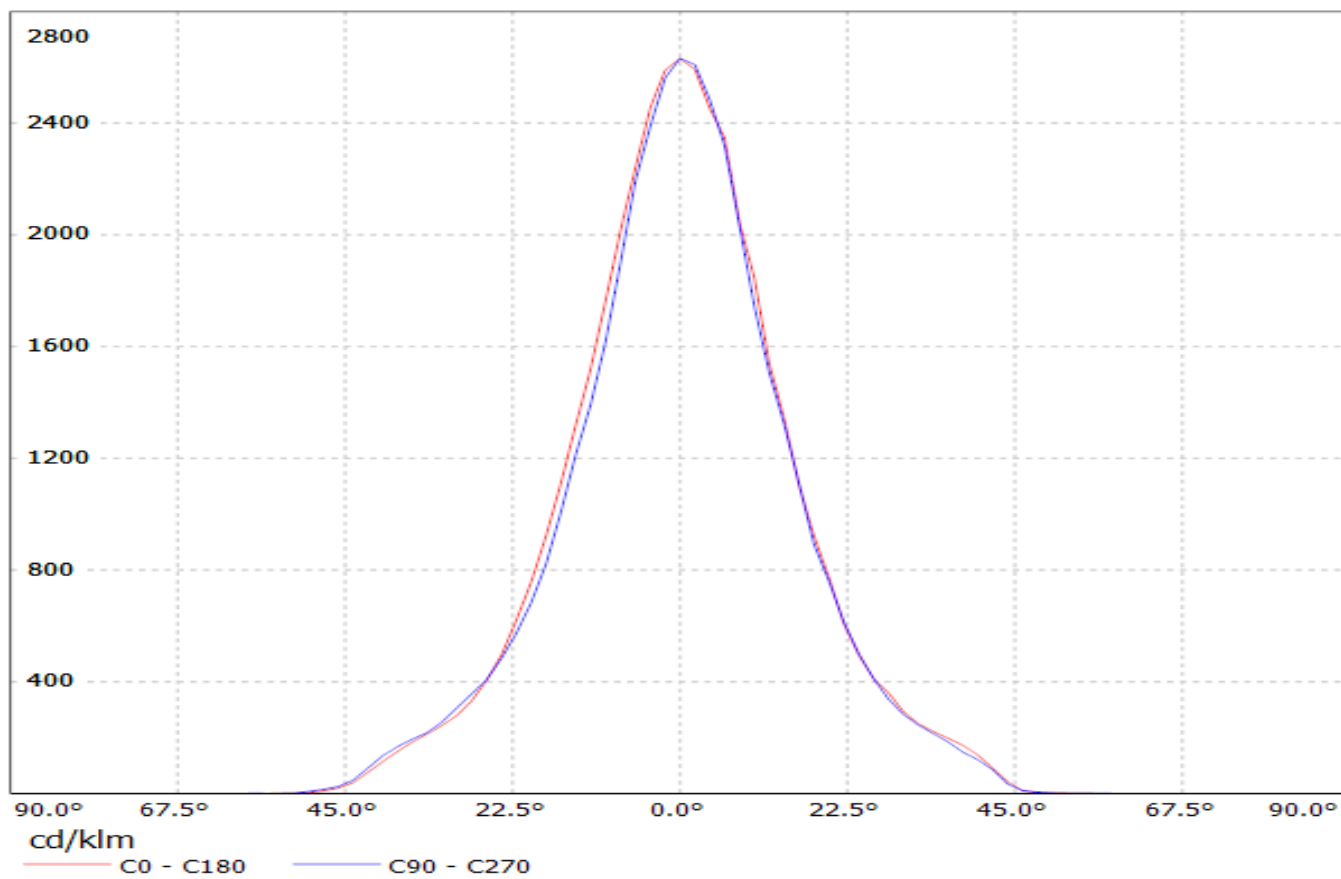
Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Cree XM-L 111lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XM-L 111lm @ 250mA



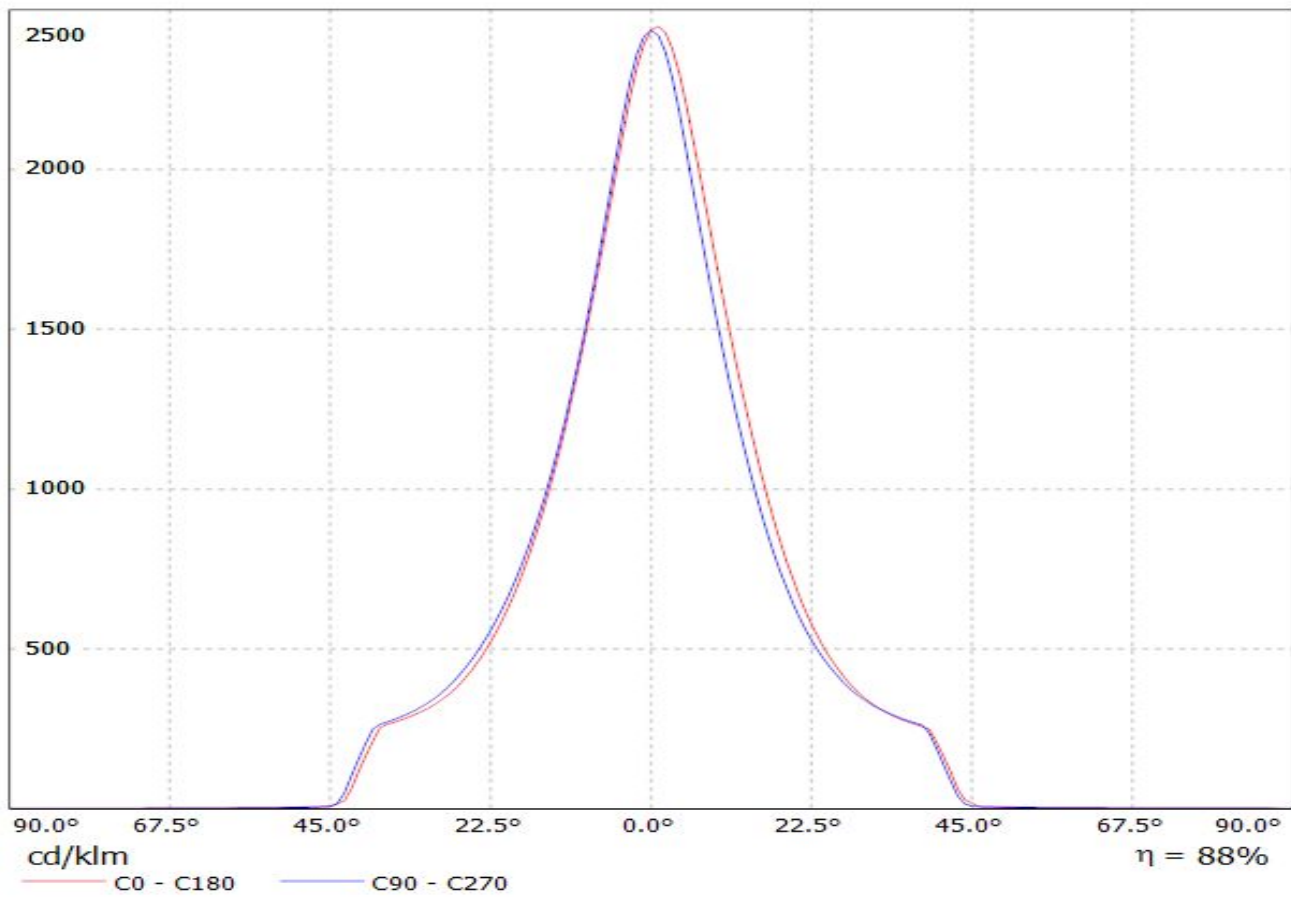
Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Cree XP-G 92lm @ 250mA) Efficiency=86%
Lamps: 1 x Cree XP-G 92lm @ 250mA



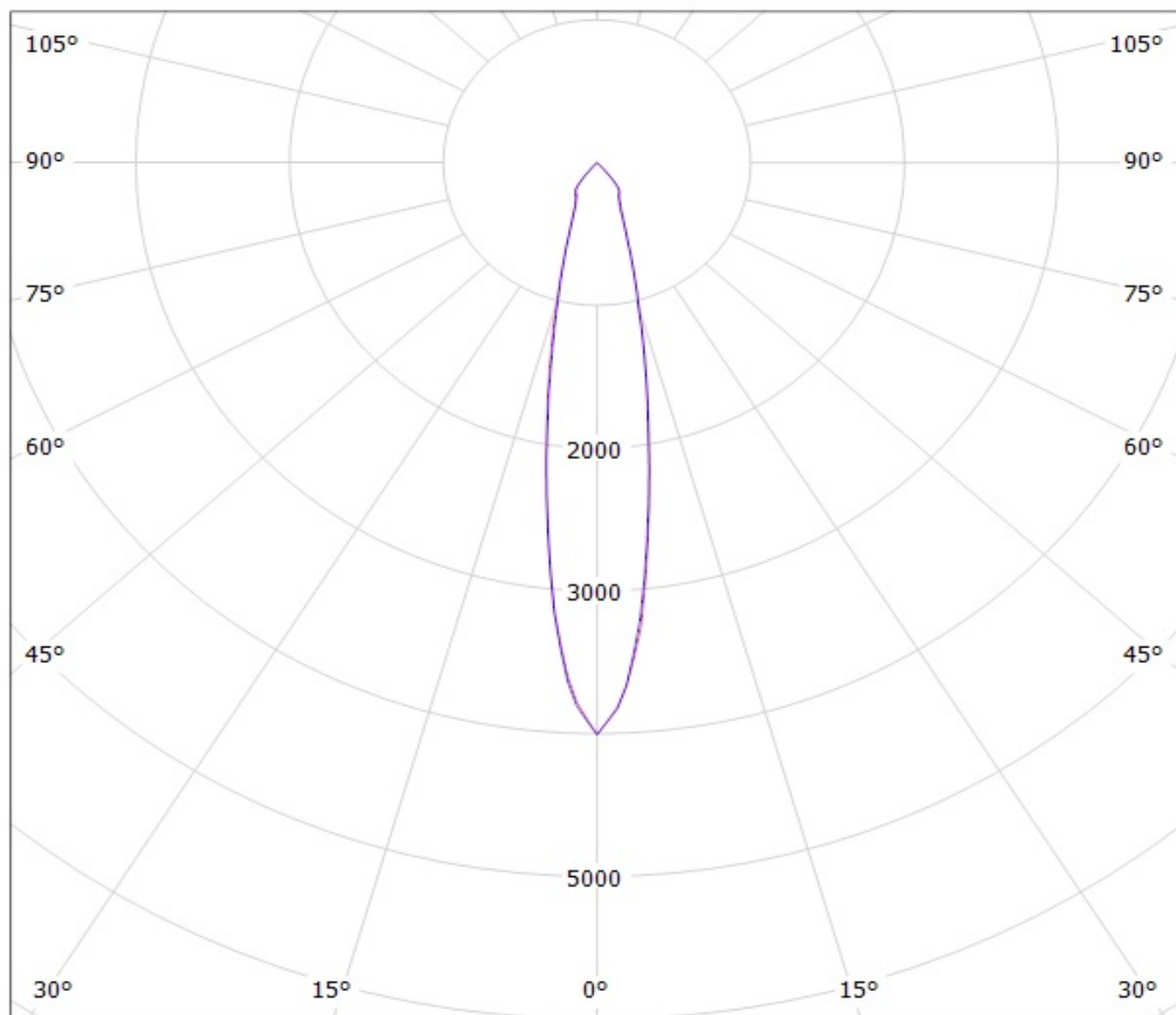
Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Luxeon M 362lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: LEDiL Oy C12481_MIRELLA-50-M-PIN_(NS9x383) Eff. 88,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: LEDil OY C12480_MIRELLA-50-S-PIN_(Luxeon_MZ) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

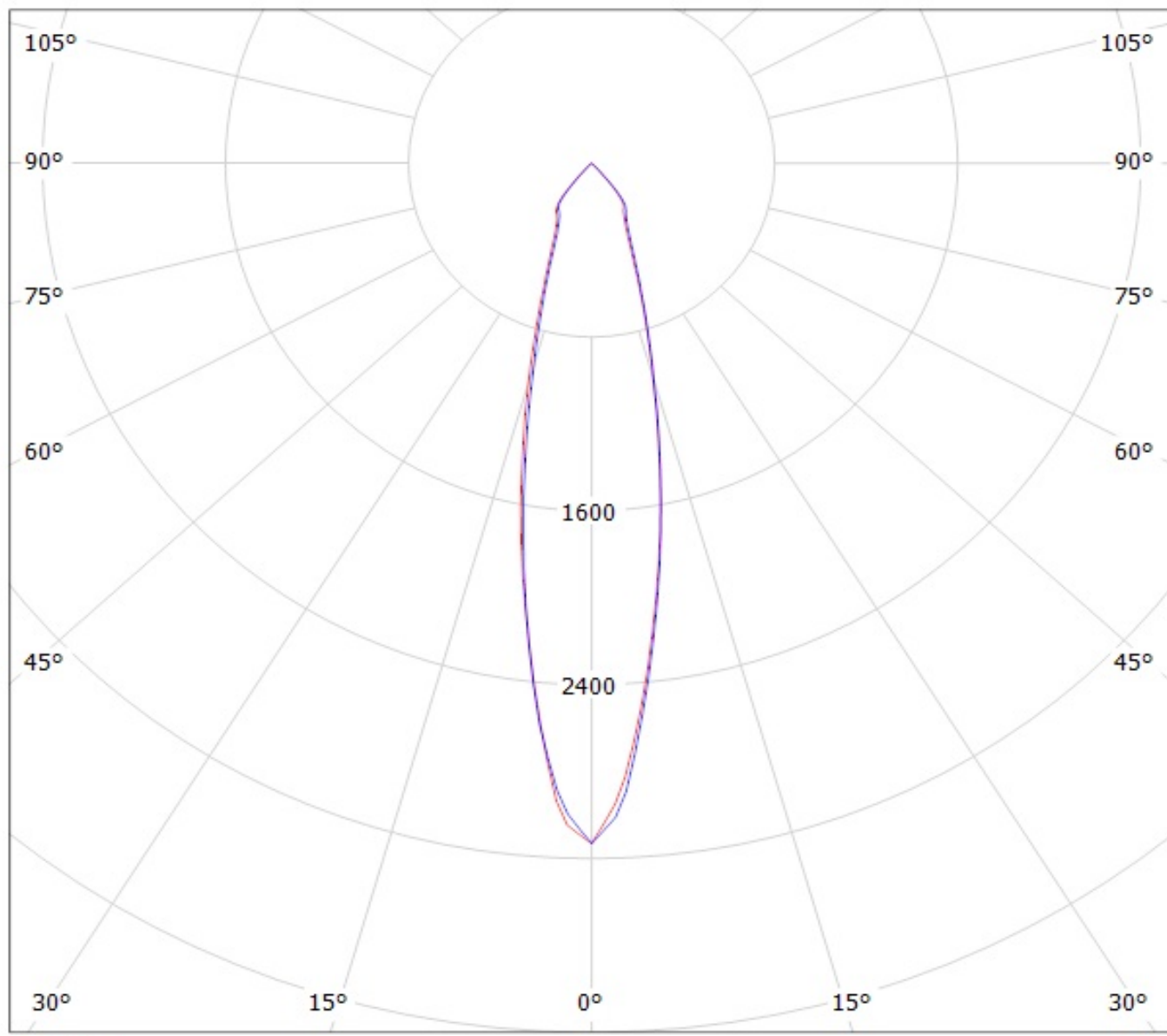


cd/klm

— C0 - C180

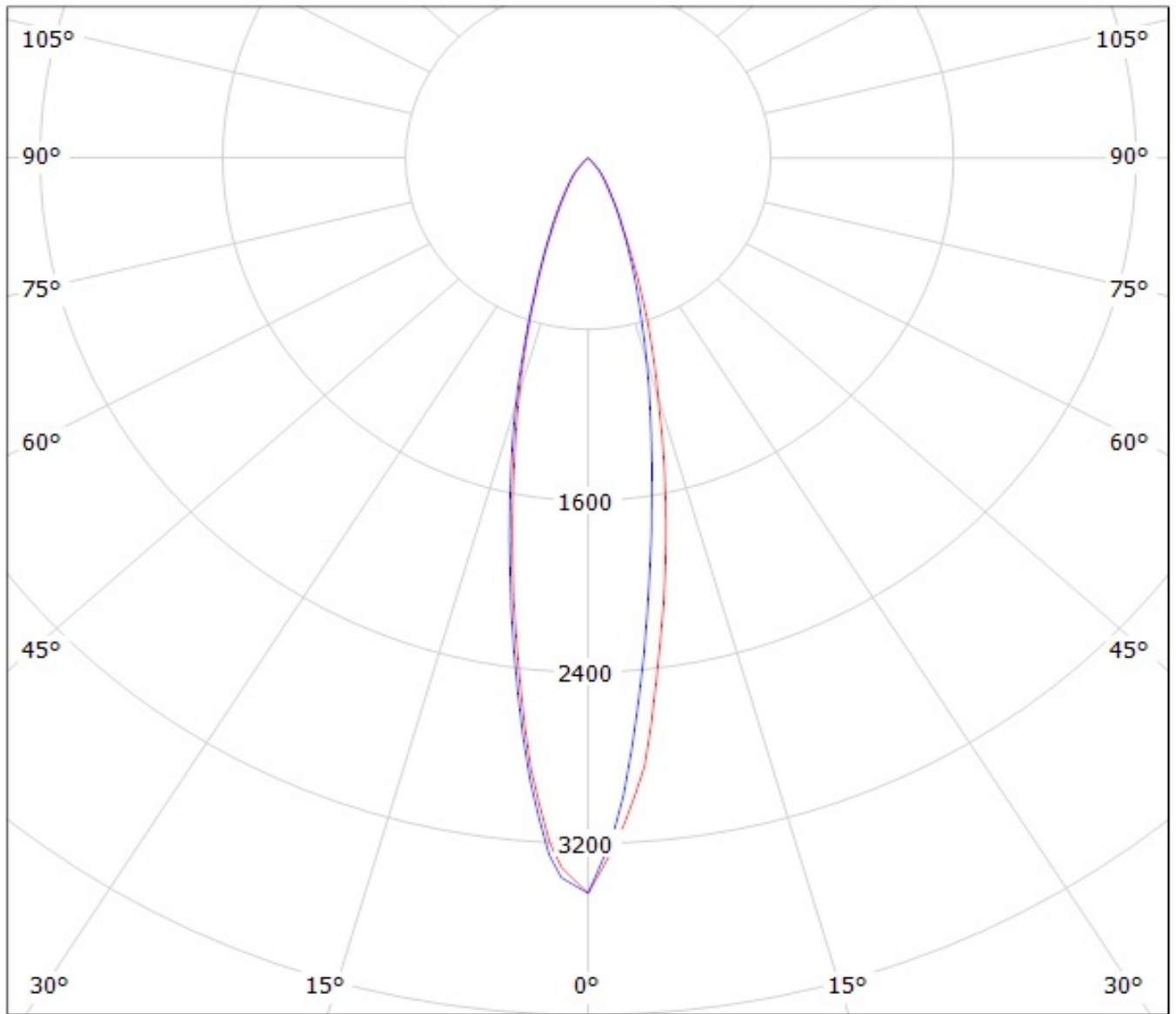
— C90 - C270

Luminaire: Ledil Oy C12481_MIRELLA-50-M-PIN (Cree XM-L2 100lm @ 250mA) Efficiency=91%
Lamps: 1 x Cree XM-L2 100lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Luxeon A 70lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon A 70lm @ 250mA

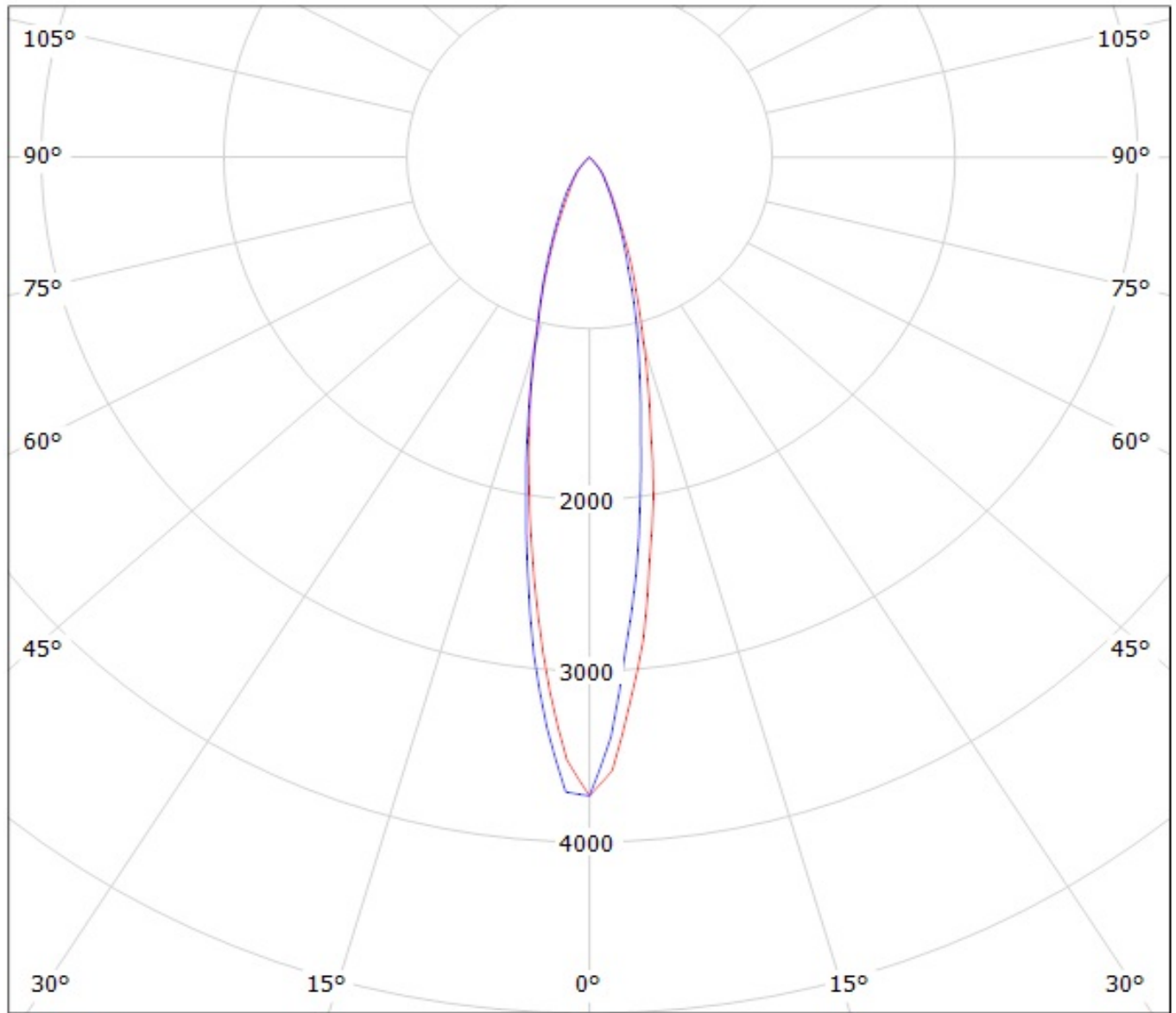


cd/klm

— C0 - C180

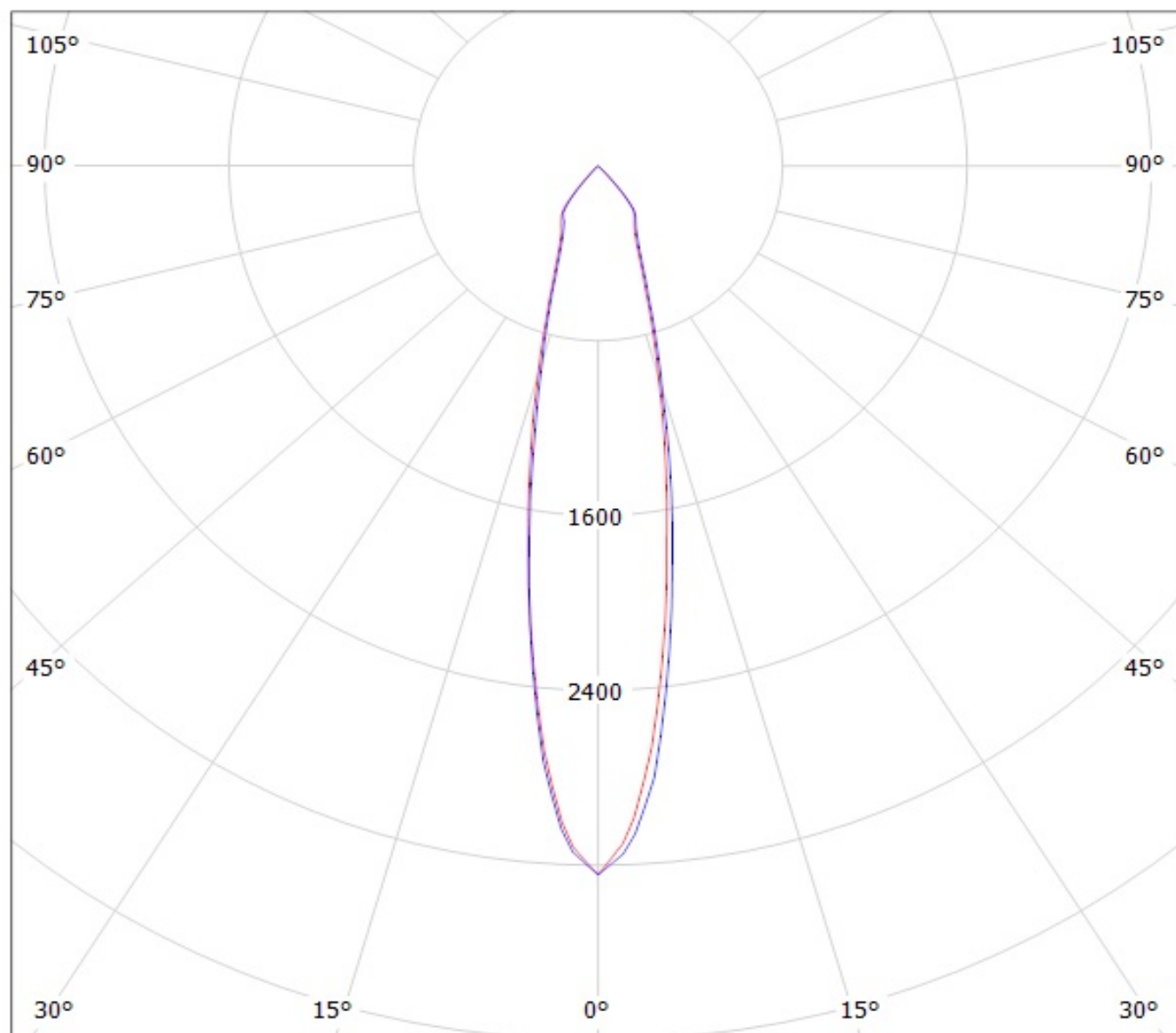
— C90 - C270

Luminaire: Ledil Oy 12481_Mirella_50-M-PIN (Osram Square EC 78lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 78lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

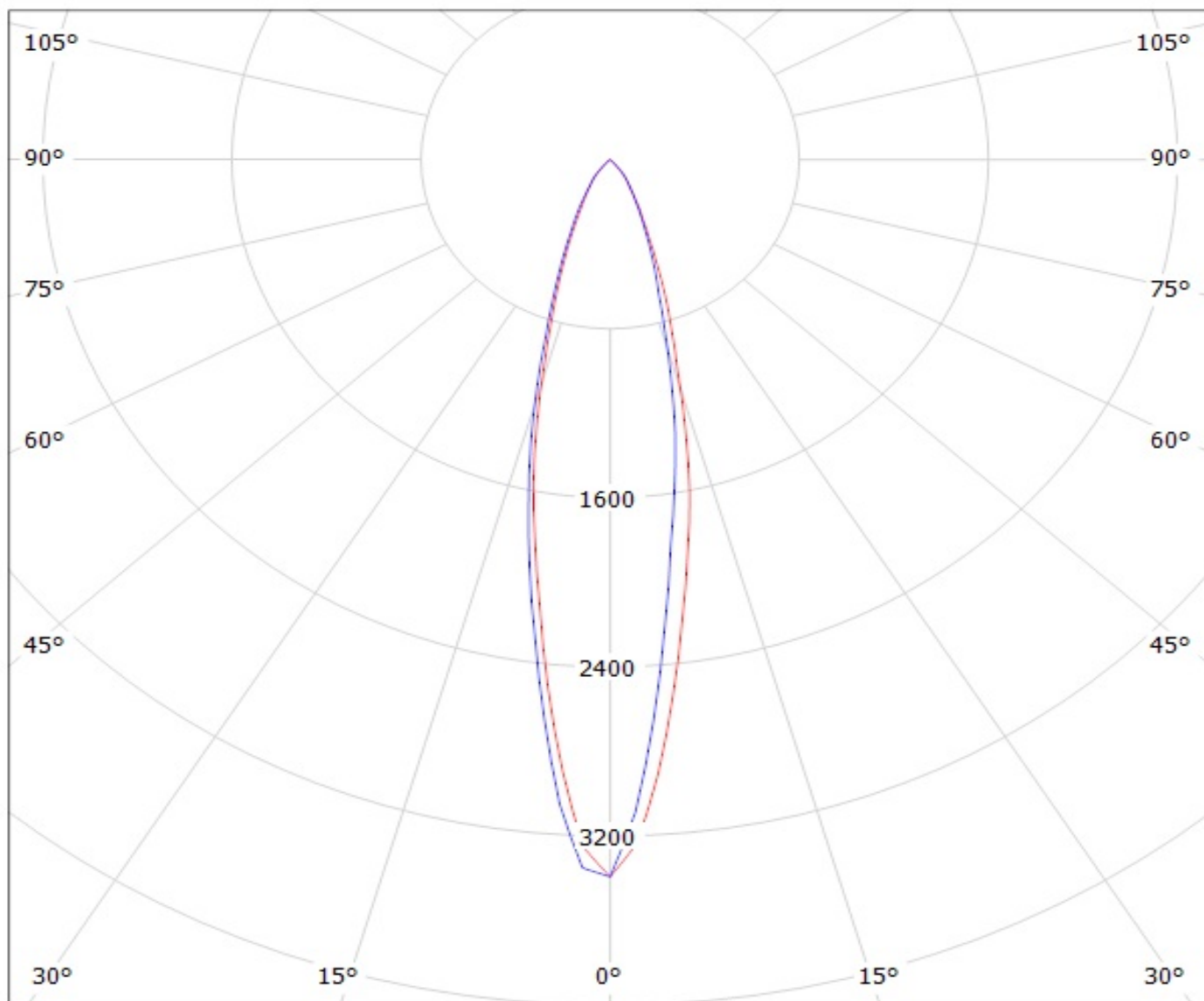
Luminaire: Ledil Oy C12481_MIRELLA-50-M-PIN (Osram Duris S8 190lm @ 100mA) Efficiency=84%
Lamps: 1 x Osram Duris S8 190lm @ 100mA (GWP9LMS1.EC) CCT=2857K P=1,8W I=100mA



cd/klm

— C0 - C180 — C90 - C270

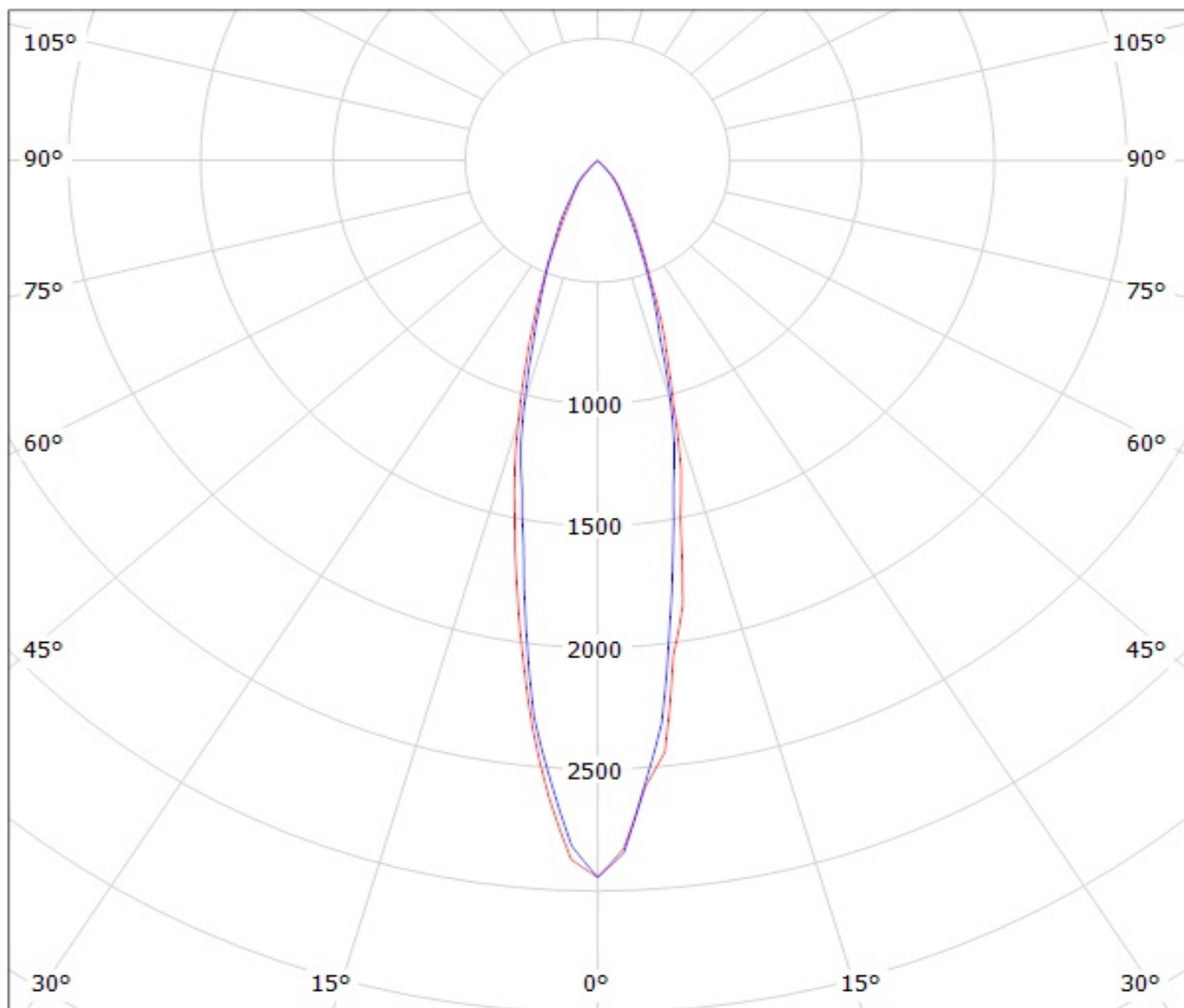
Luminaire: Ledil Oy C12481_MIRELLA-50-M-PIN (Cree XT-E) Efficiency=85%
Lamps: 1 x Cree XT-E 113lm @ 250mA



cd/klm

— C0 - C180 — C90 - C270

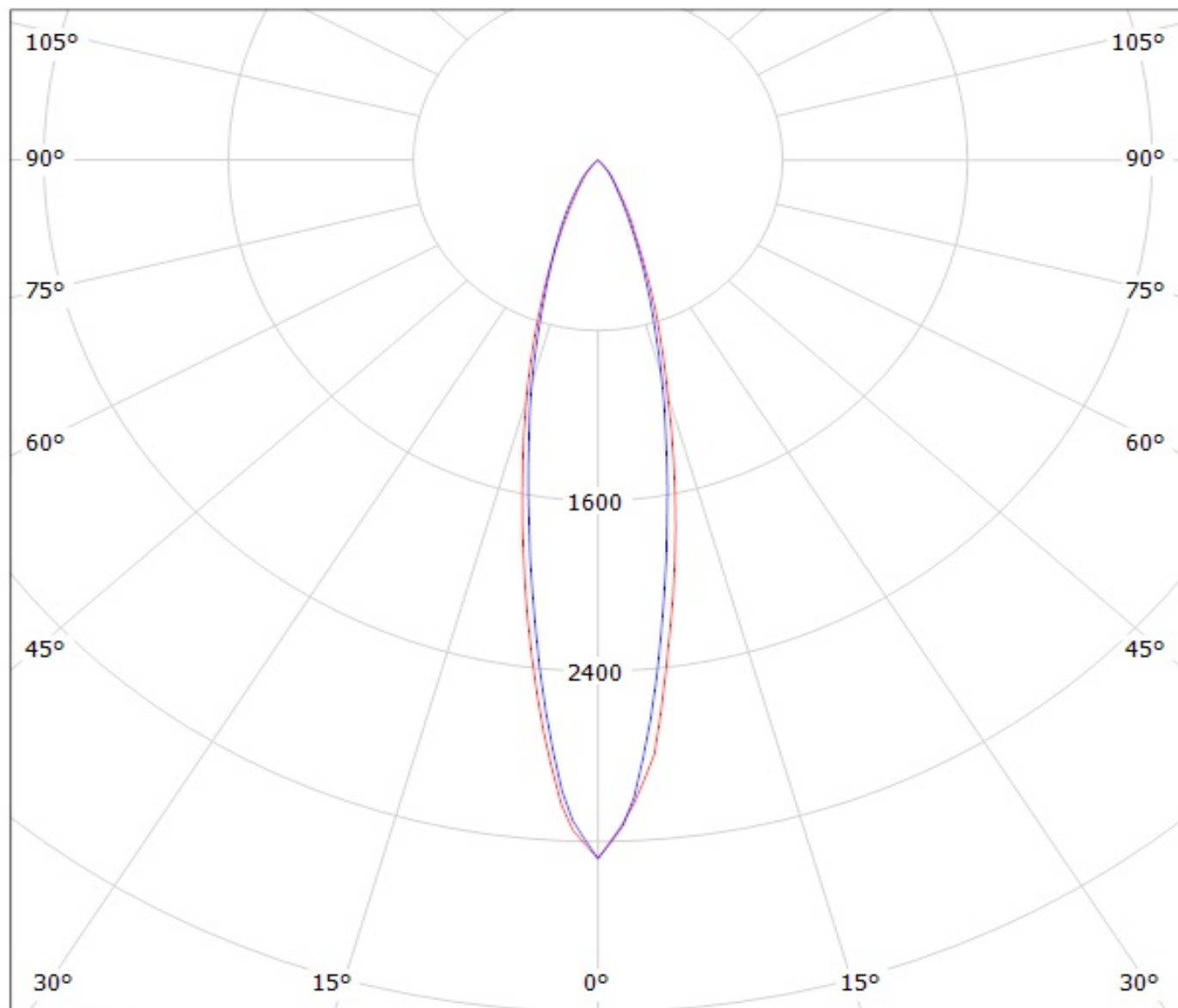
Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Cree XM-L 111lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XM-L 111lm @ 250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C12481_Mirella_50-M-PIN (Cree XP-G 92lm @ 250mA) Efficiency=86%
Lamps: 1 x Cree XP-G 92lm @ 250mA

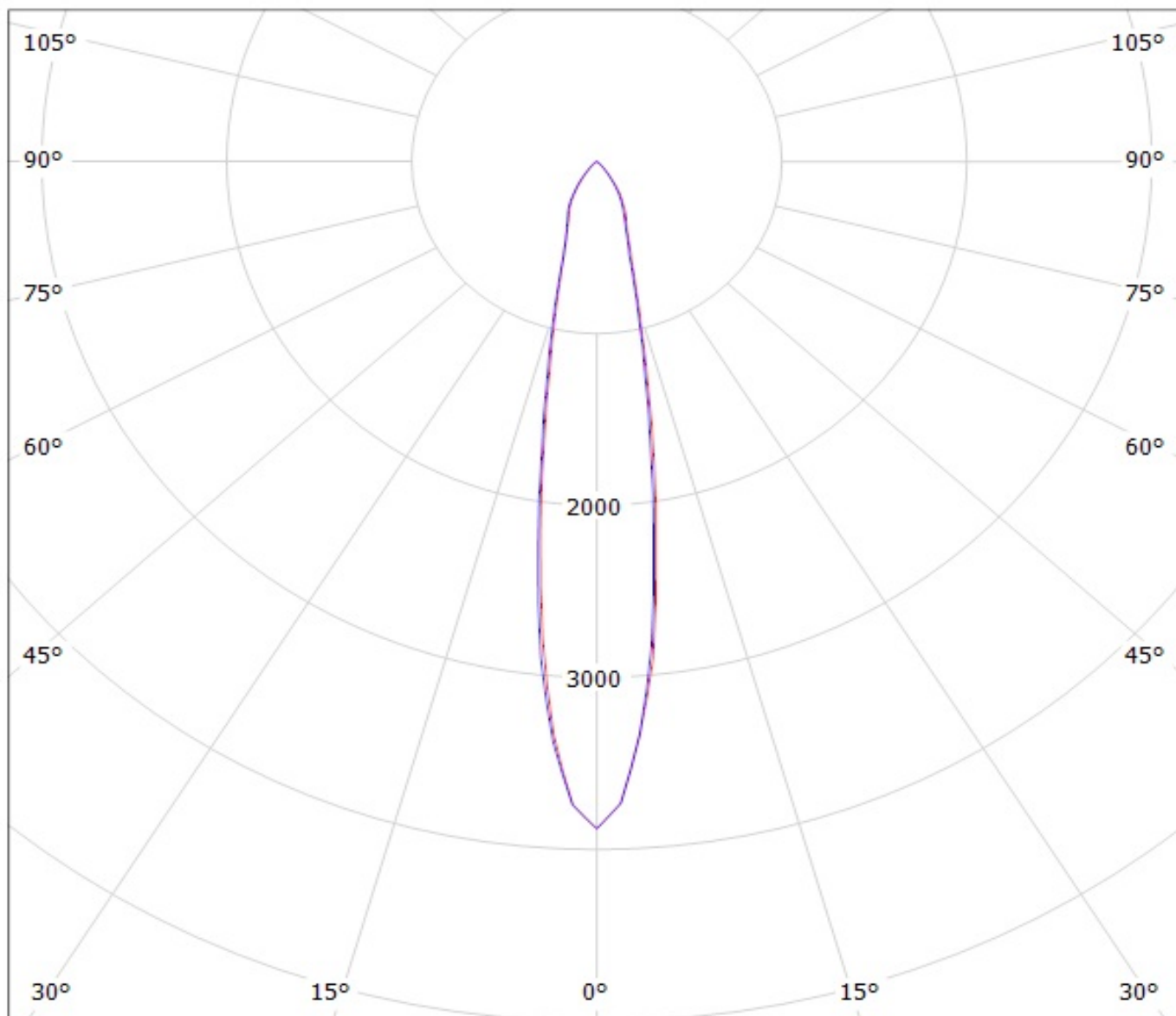


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12486_MIRELLA-50-S-PIN-DL (Luxeon M 362lm @ 250mA) Efficiency=83%
Lamps: 1 x Luxeon M 362lm @ 250mA

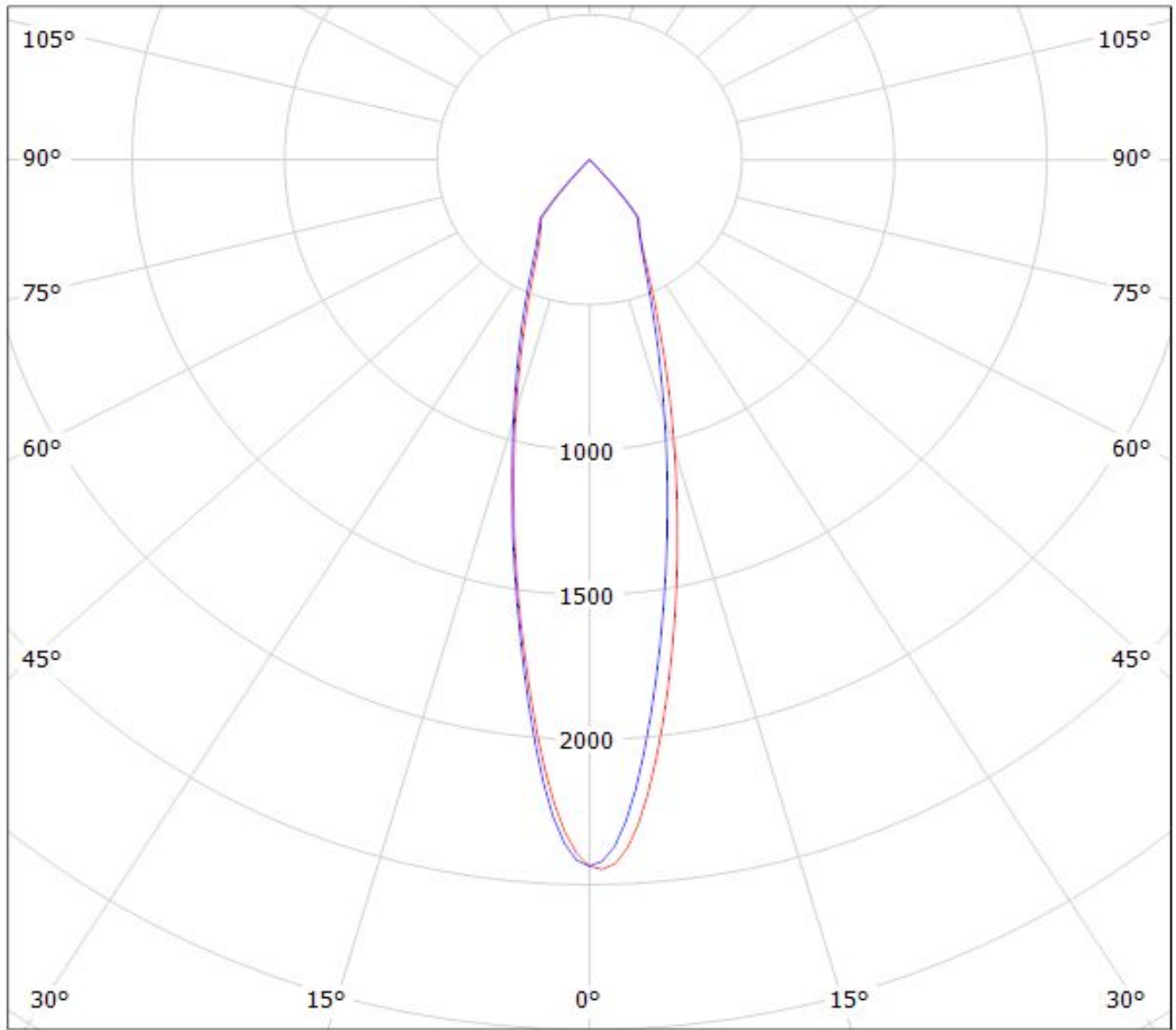


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12481_MIRELLA-50-M-PIN_(NS9x383) Eff. 88,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

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.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).