

DETAILS

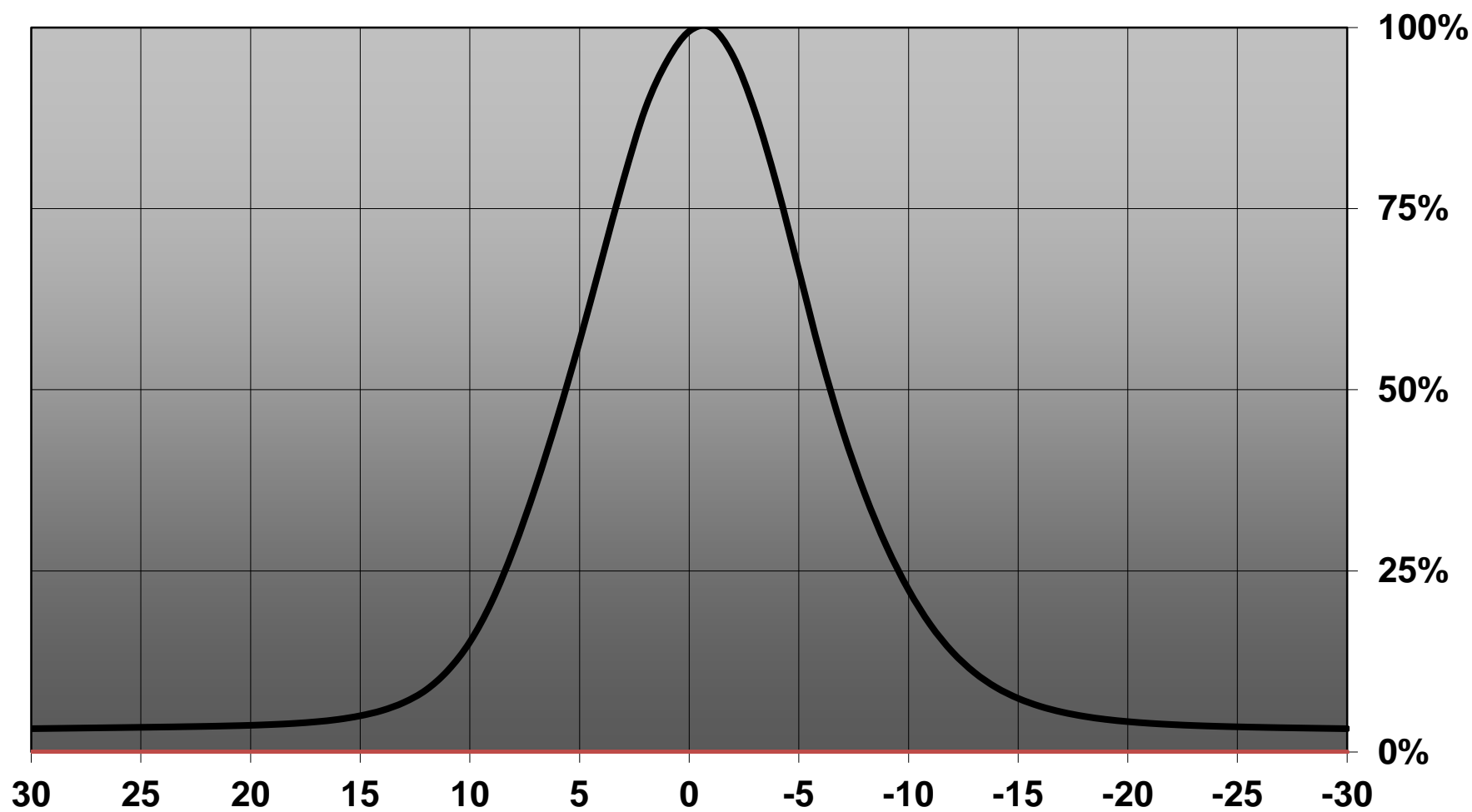
Product Number	C12476_MIRELLA-50-S
Family	Mirella
Type	Reflector
Color	metal
Diameter	49,9 mm
Height	24 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue
Status	production ready
ROHS Compliant	Yes
Date Updated	8/03/2016



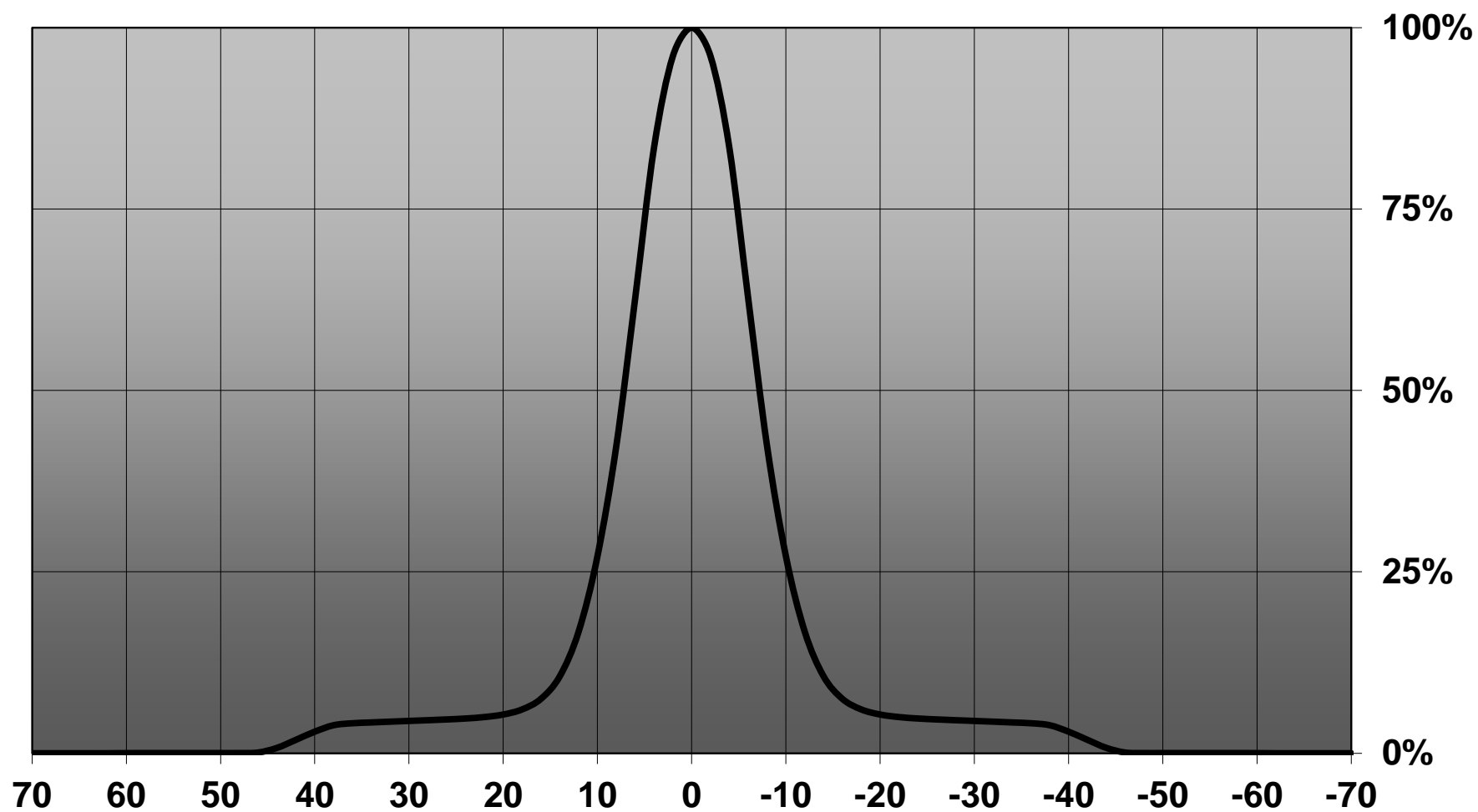
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		
	Angle	Beam	ciency	cd/lm	Connector
Duris P10	sim: 11	Spot	sim: 91 %	sim: 12.200-	
Soleriq S9	sim: 19	Spot	sim: 91 %	sim: 4.400 -	
CXA/B 13xx	12 deg	Spot	87 %	9.500	-
BXRA LS	13 deg	Spot	89 %	8.600	-
CLL01x	14 deg	Spot	-	sim: 0.000	-
COB 4W	14 deg	Spot	91 %	6.700	-
XHP50	14 deg	Spot	92 %	7.200	-
CLU700	15 deg	Spot	90 %	6.200	-
Duris S10	15 deg	Spot	89 %	6.500	-
SLE G5 LES6	15 deg	Spot	89 %	6.780	-
CXA/B 15xx	16 deg	Spot	93 %	5.100	-
MHD-E/G	16 deg	Spot	94 %	5.000	-
Mini Zenigata (GW5BM)	17 deg	Spot	92 %	4.800	-
LUXEON S1000	17 deg	Spot	-	sim: 0.000	-
MT-G2	17 deg	Spot	92 %	5.500	-
Mini Zenigata (GW6BM)	17 deg	Spot	91 %	4.800	-
NSCxL036A	17 deg	Spot	88 %	5.600	-
STARK SLE PURE G3 LES10	17 deg	Spot	88 %	5.000	-
XHP70	17 deg	Spot	90 %	5.500	-
ZC4/6	18 deg	Spot	88 %	4.800	-
CLL02x/CLU02x (LES10)	20 deg	Spot	93 %	sim: 0.000	-
NSBxL066A/NFCxL036B	20 deg	Spot	90 %	4.000	-
LUXEON CoB 1202/1203	20 deg	Spot	89 %	3.900	-
CLU710	20 deg	Spot	90 %	3.700	-
CXM-9	21 deg	Spot	90 %	3.600	-

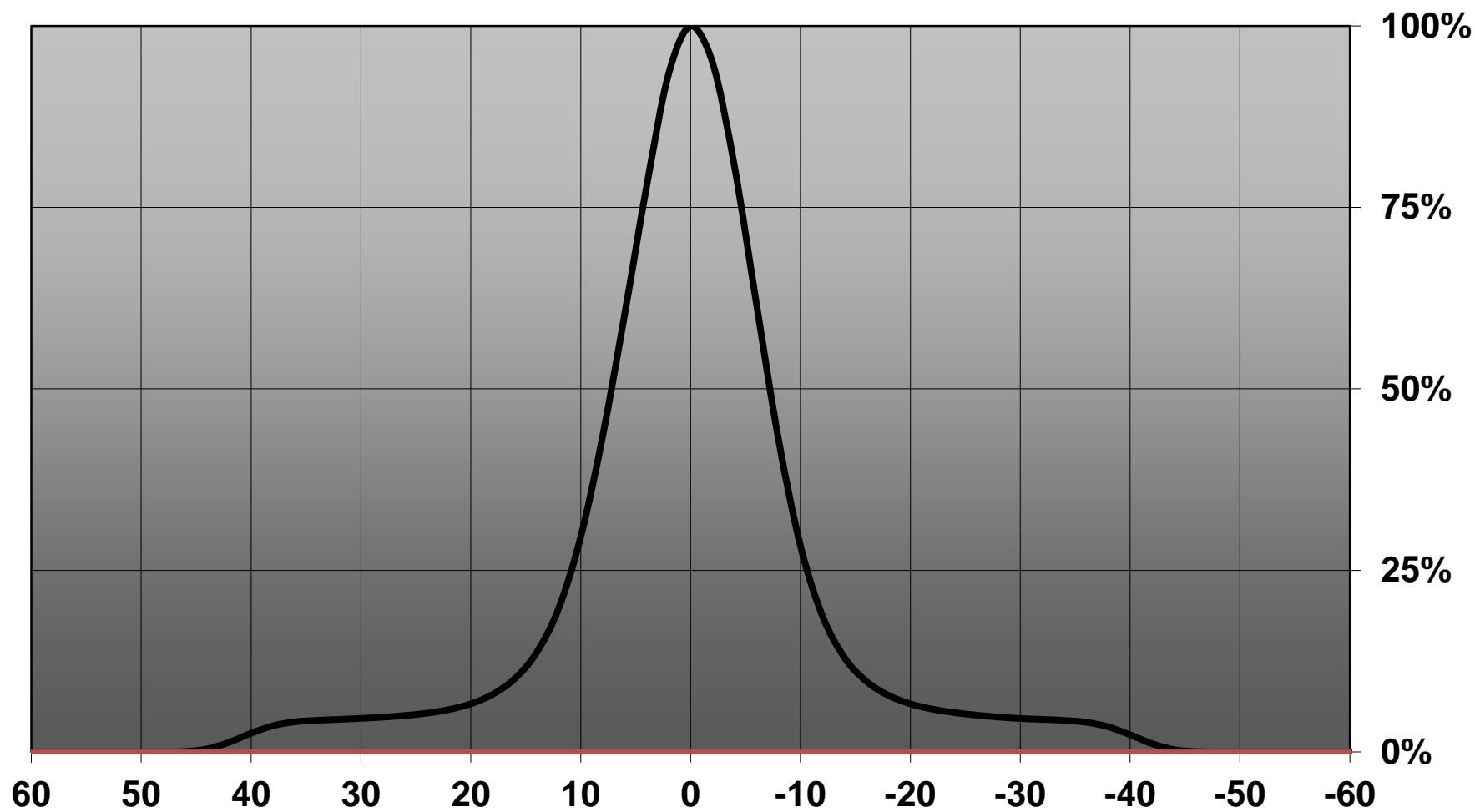
Relative intensity of C12476_MIRELLA-50-S_(CXA1304)



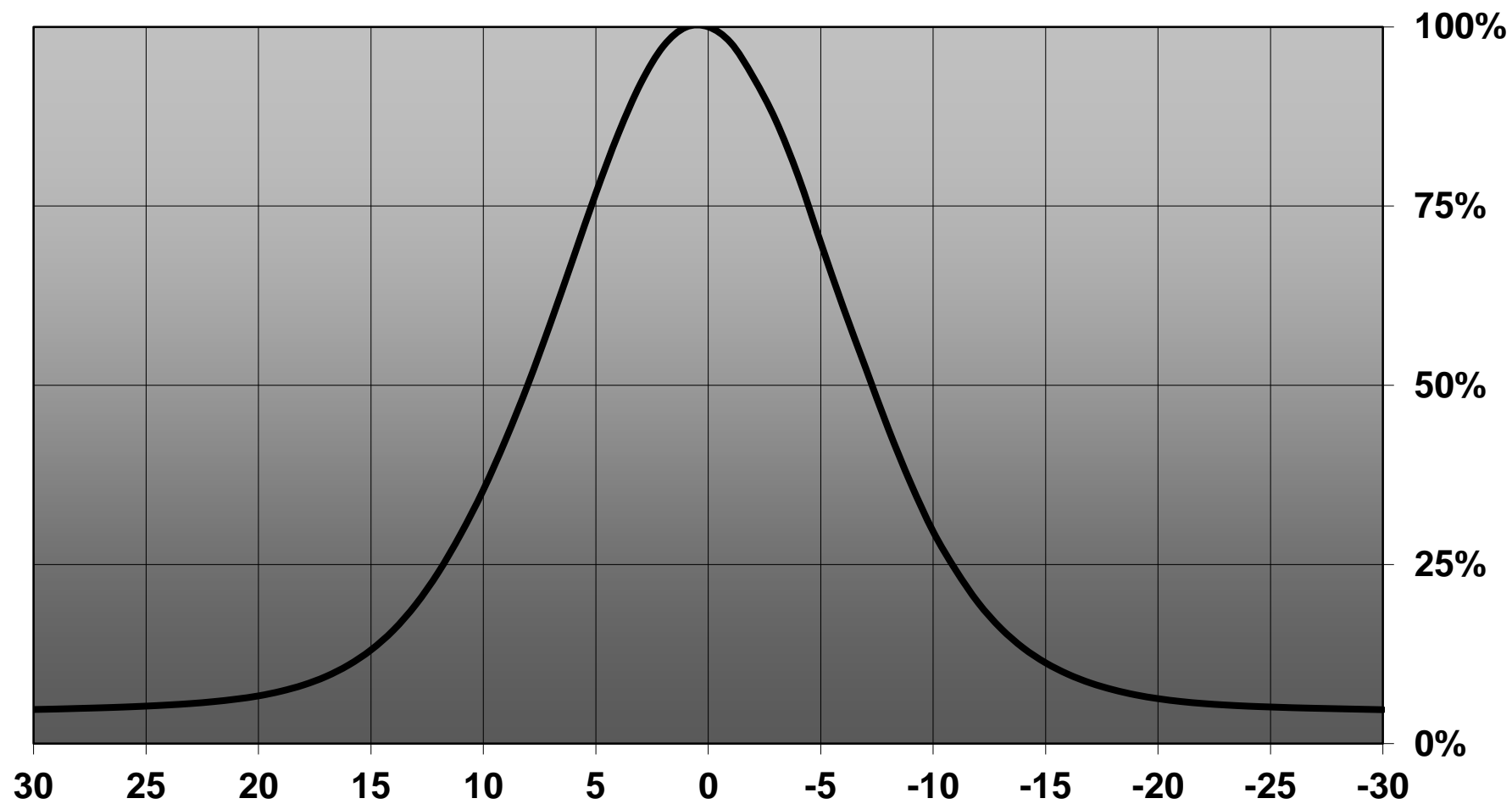
Relative intensity of C12476_Mirella_50-S_(CLL010)



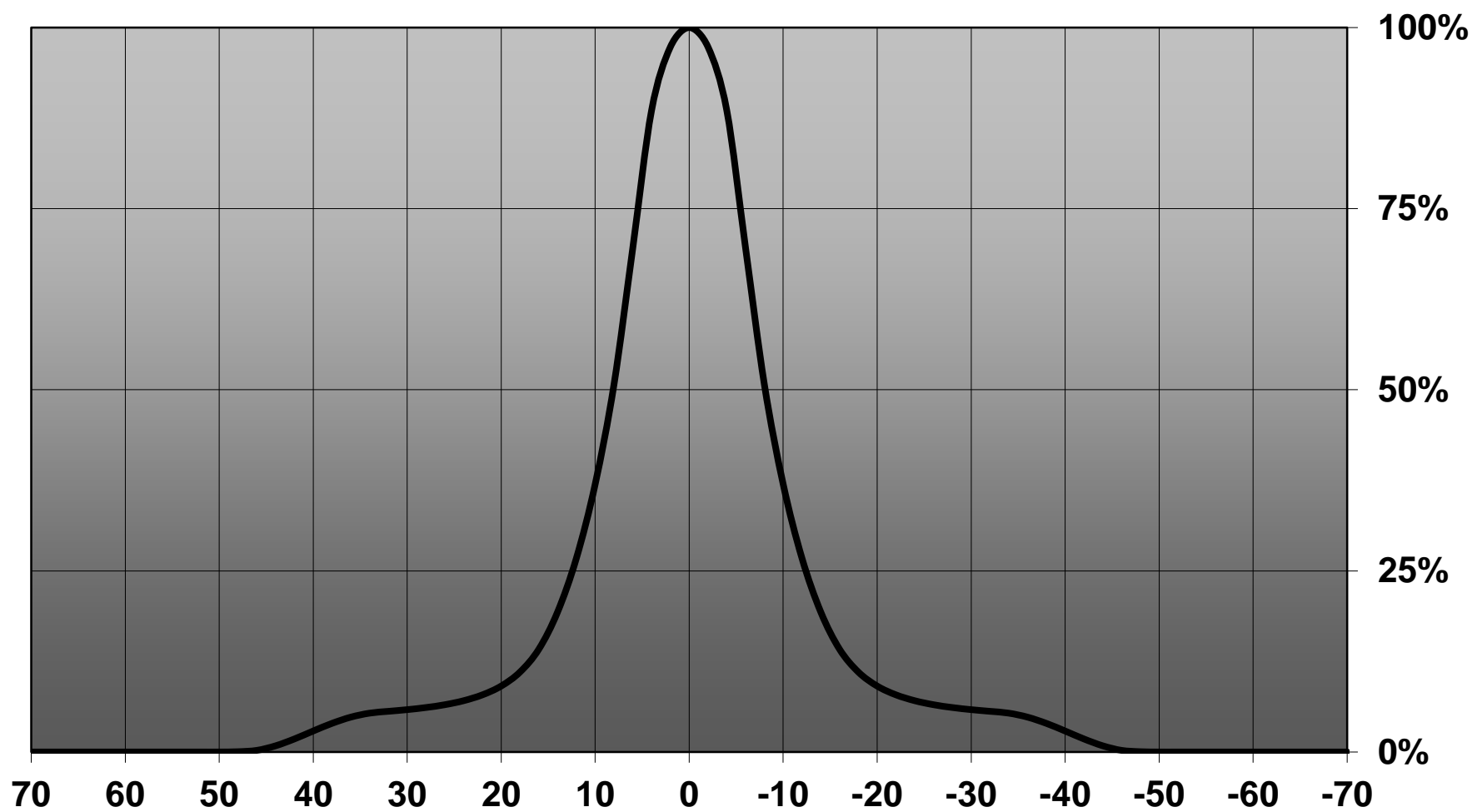
Relative intensity of Mirella-S-4WLG



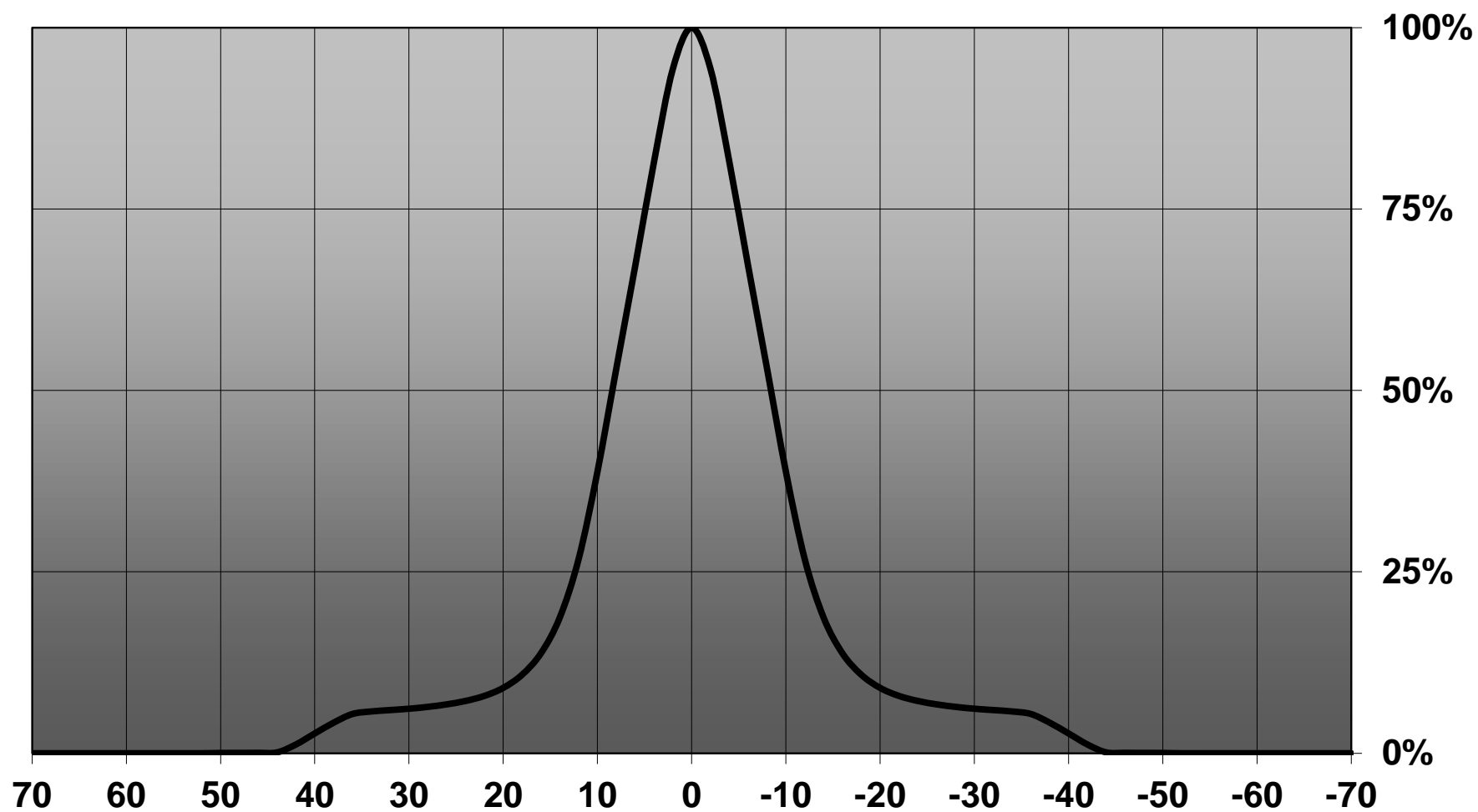
Relative intensity of C12476_MIRELLA-50-S_(Duris_S10)



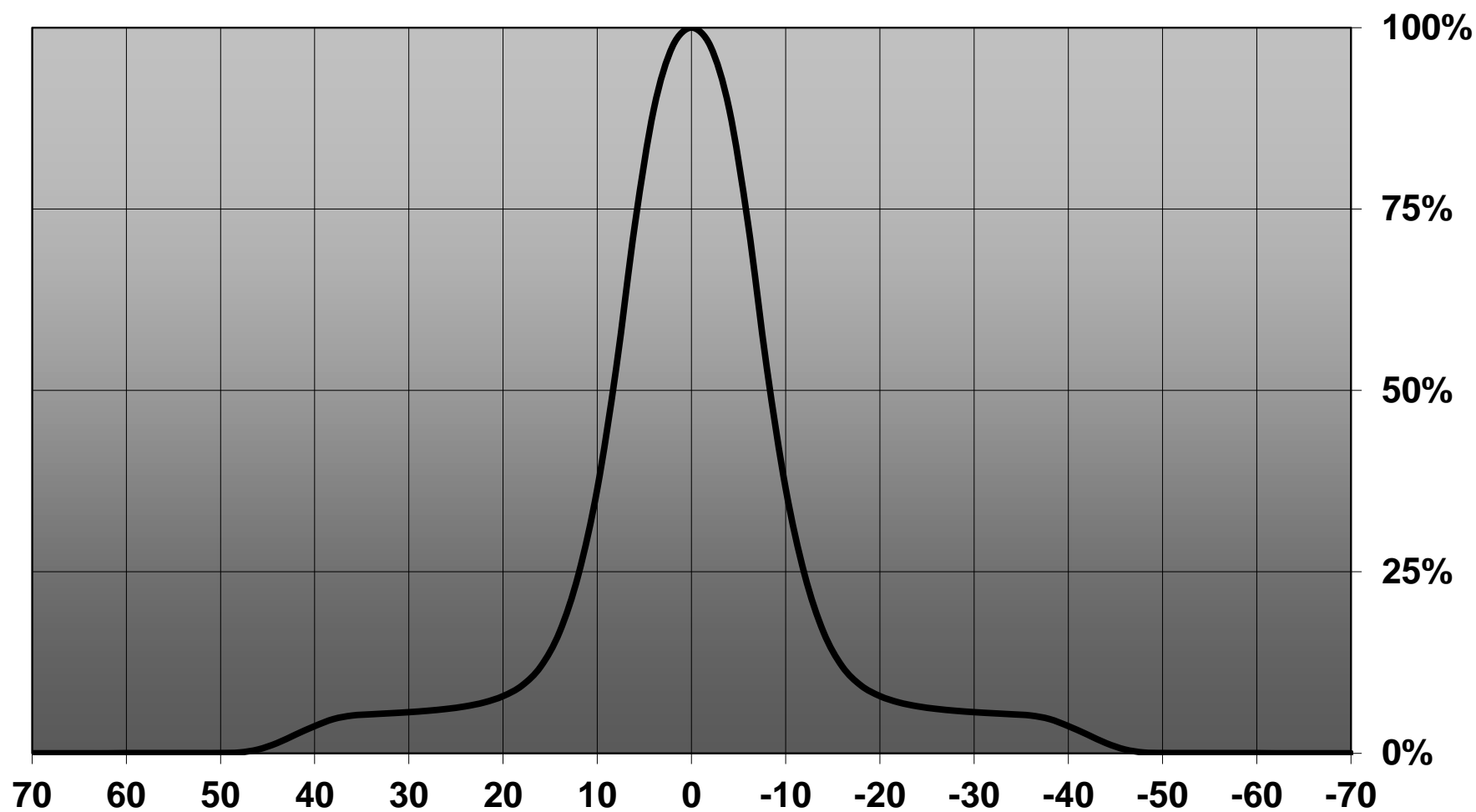
Relative intensity of C12476_MIRELLA-50-S



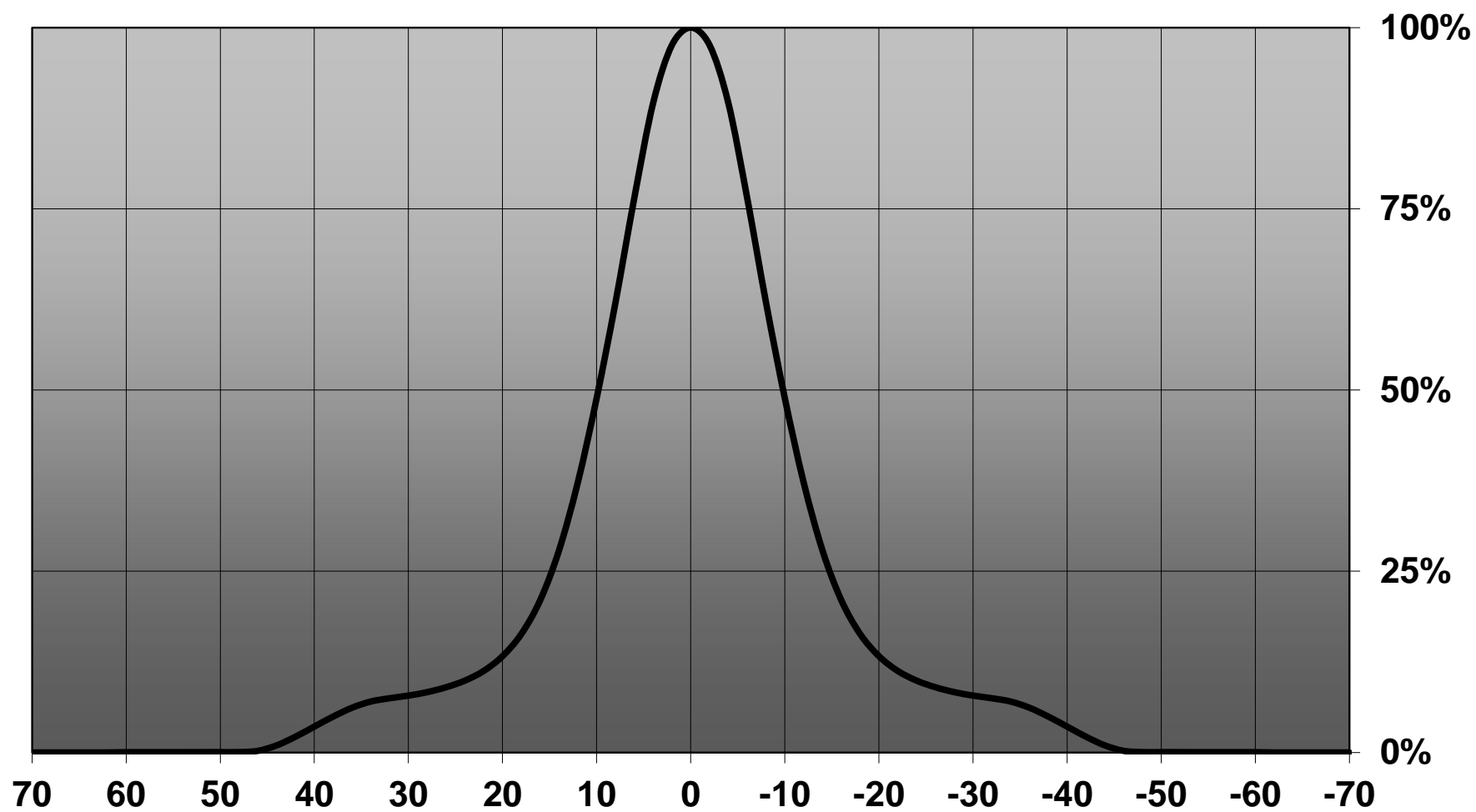
Relative intensity of C12476_Mirella_50-S_(Luxeon_S)



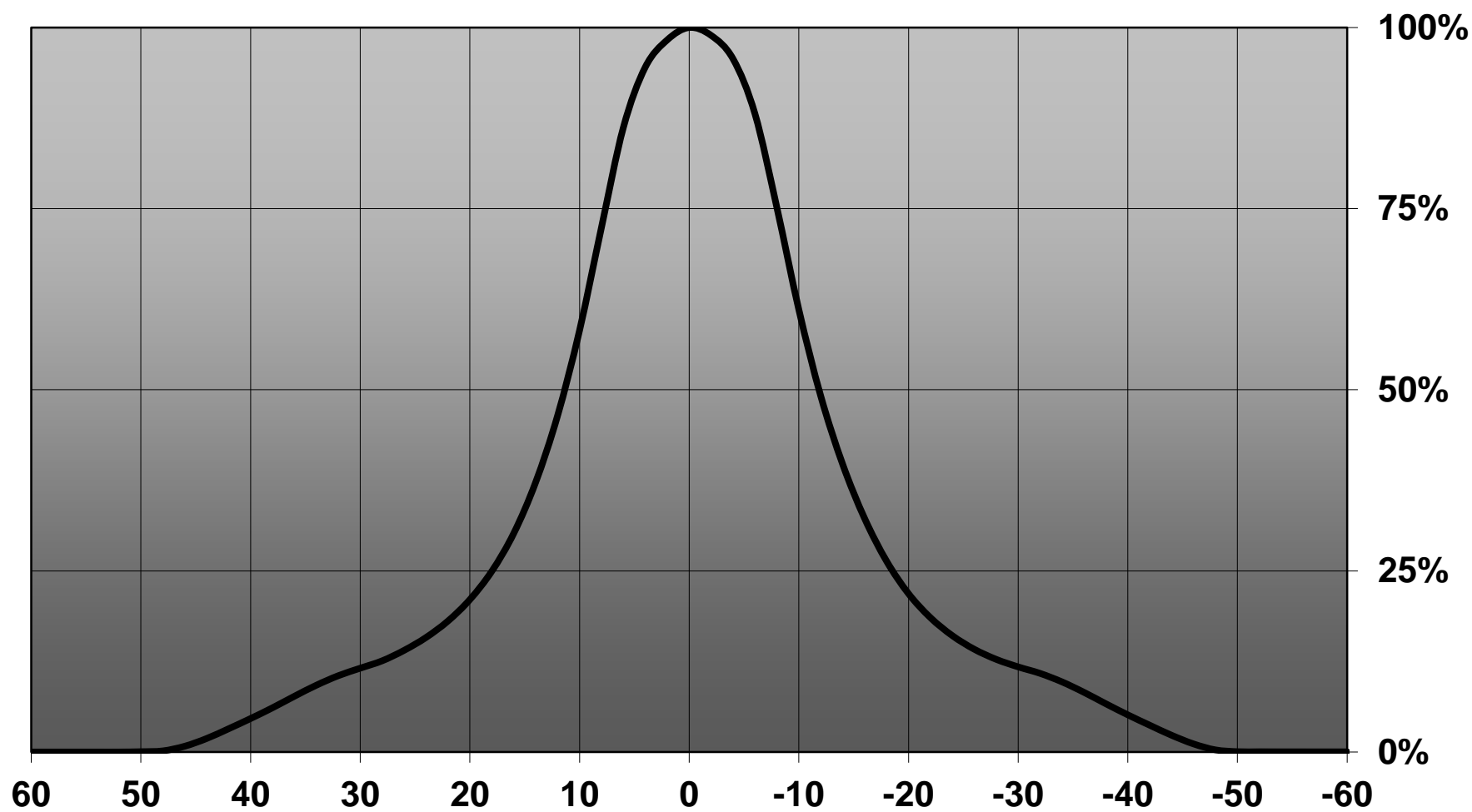
Relative intensity of C12476_Mirella_50-S_(MTG_Gen_II)



Relative intensity of C12476_Mirella_50-S_(CLL020)



Relative intensity of C12476_MIRELLA-50-S_(CXA1816)

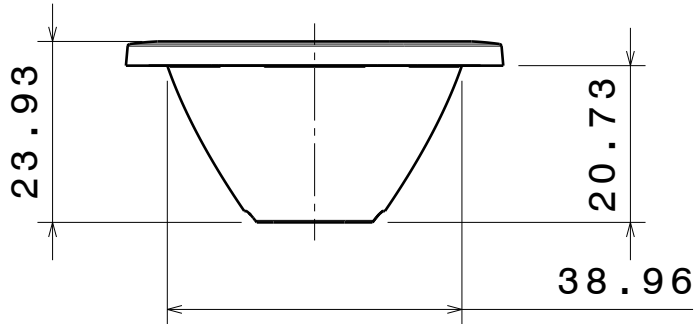


D

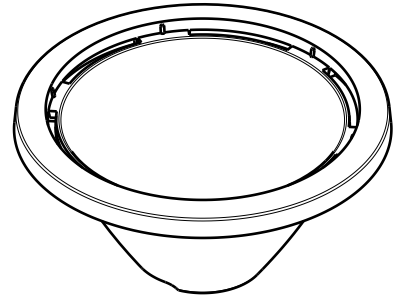
C

B

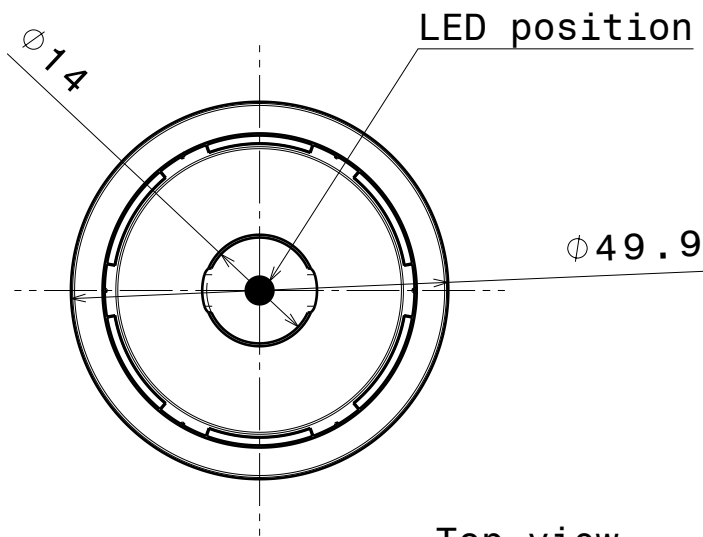
A



Front view



Isometric view



Top view

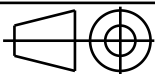
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12476	MIRELLA-50-S	PC	metal

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

C12476_MIRELLA-50-S

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

C12476

SCALE

1:1

WEIGHT

4,49 g

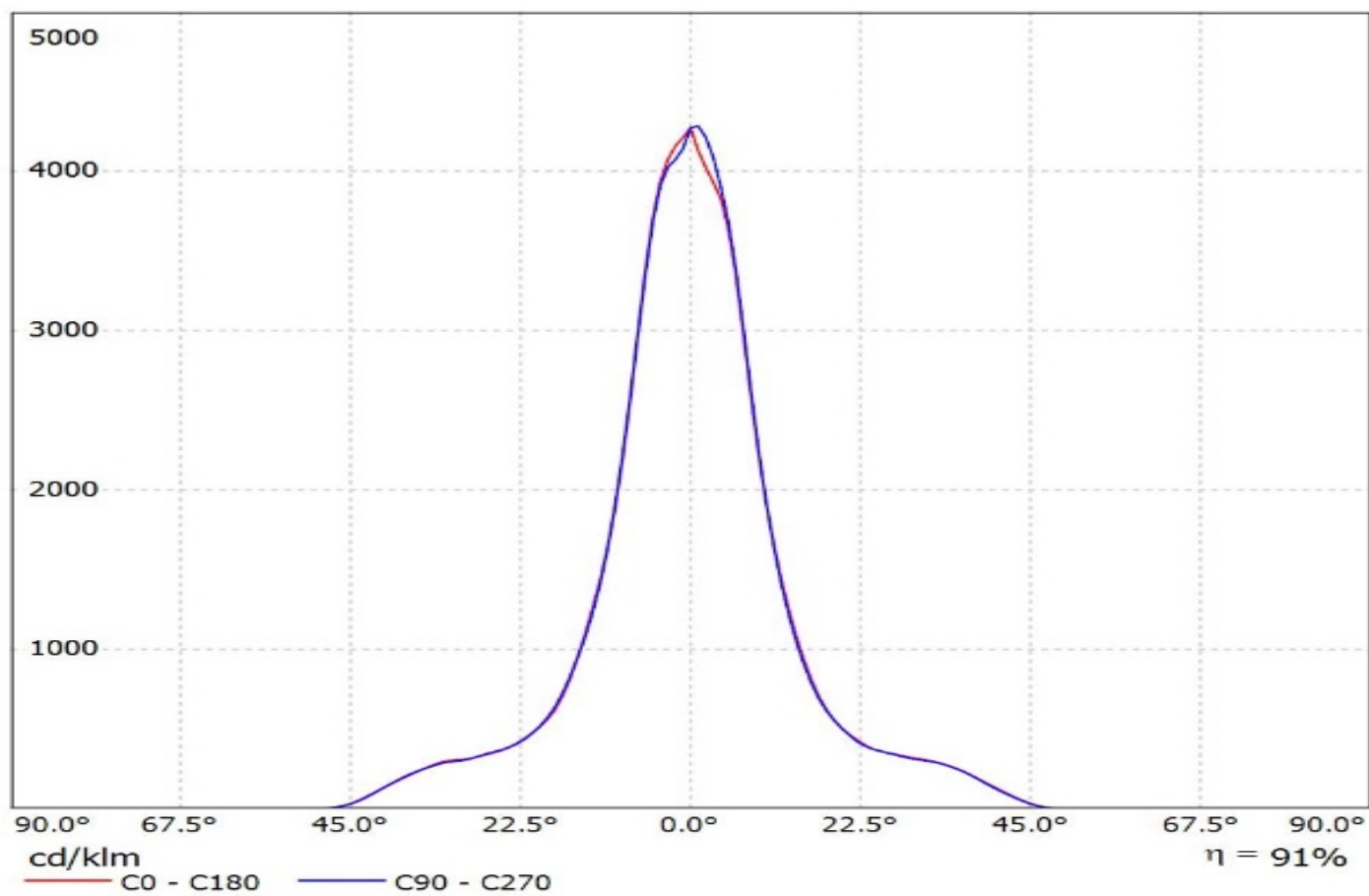
SHEET

1 / 1

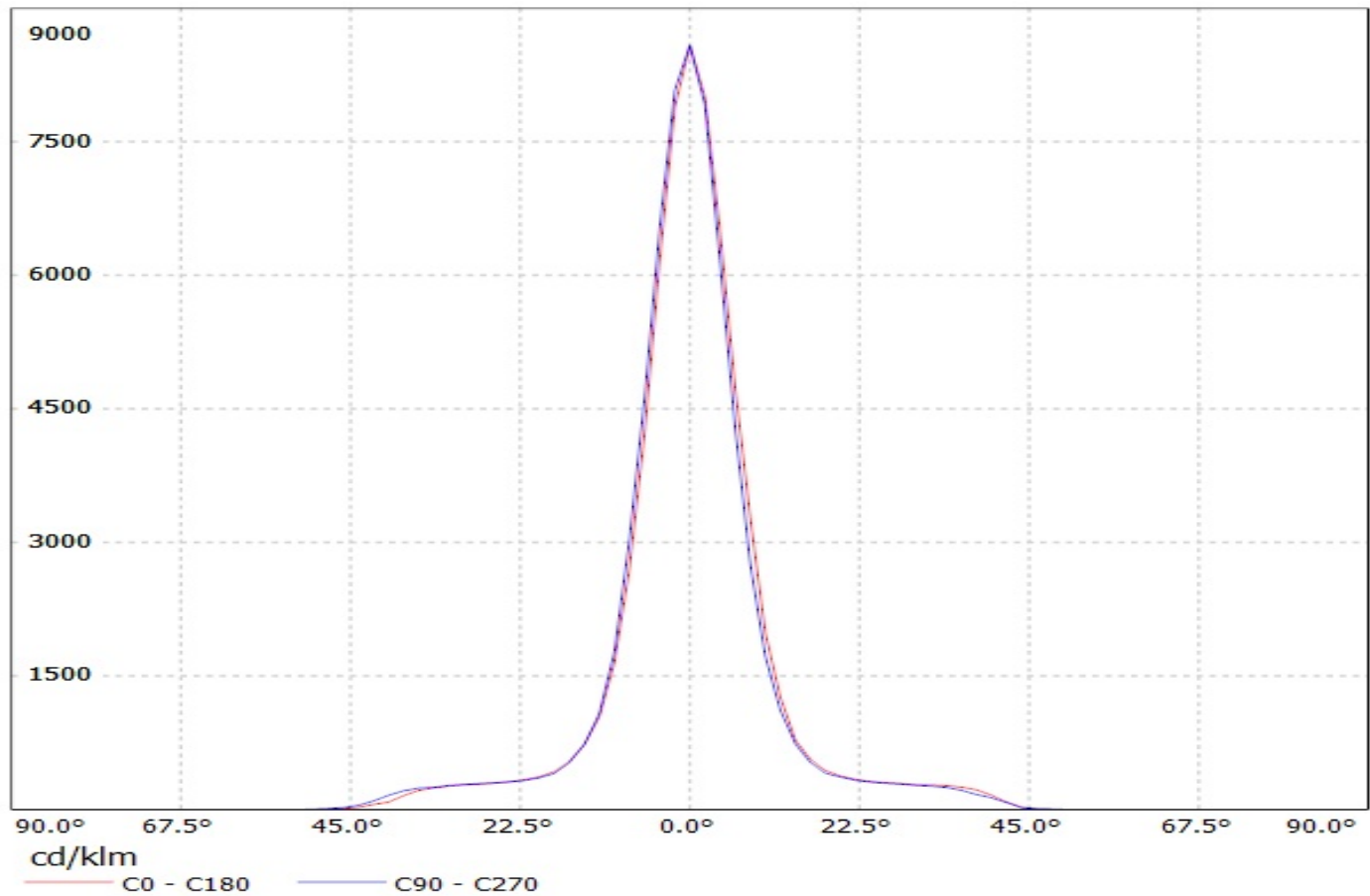
D

A

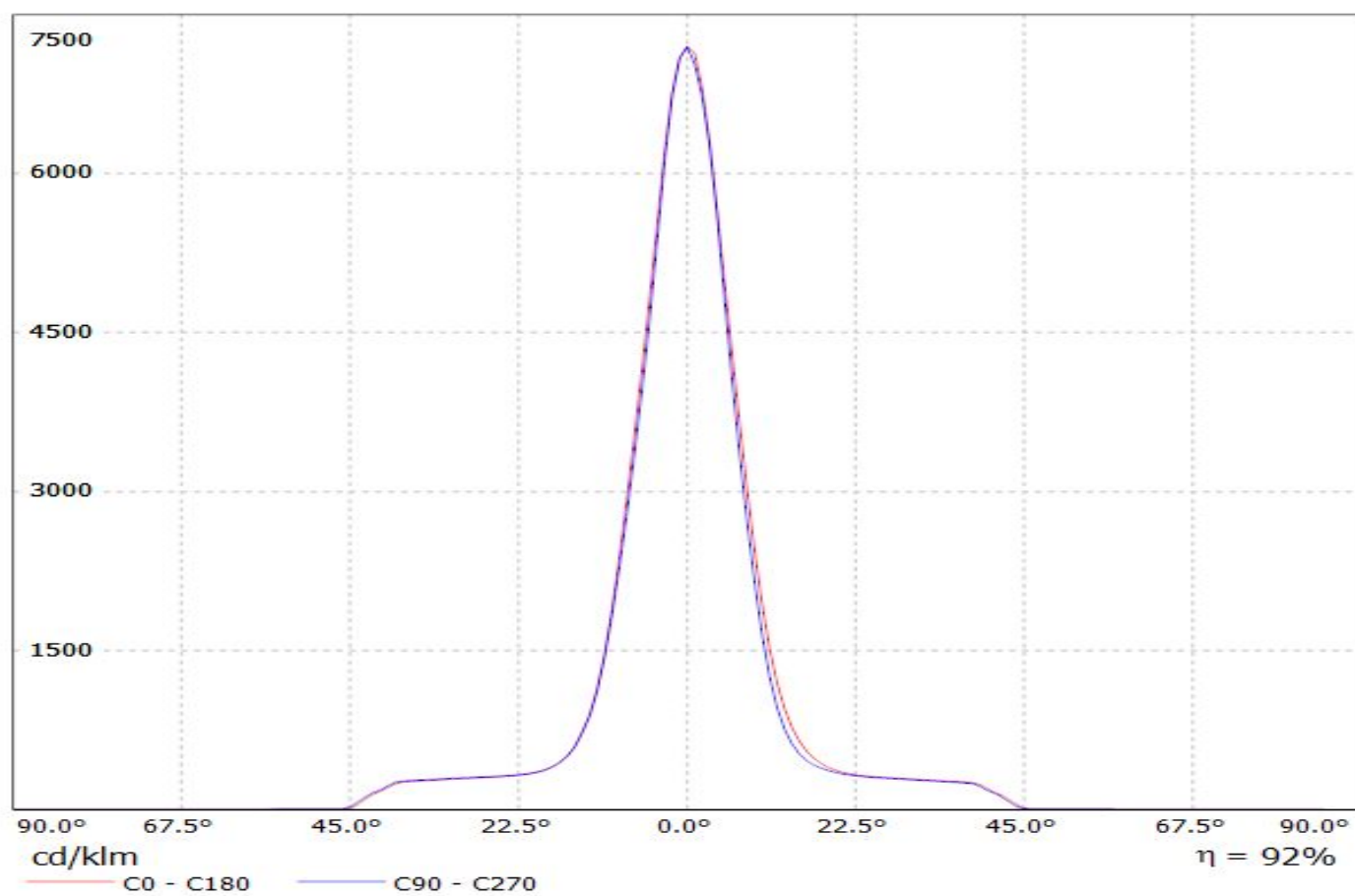
Luminaire: Ledil Oy C12476_MIRELLA-50-S_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



Luminaire: Ledil Oy C12476_MIRELLA-50-S (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA

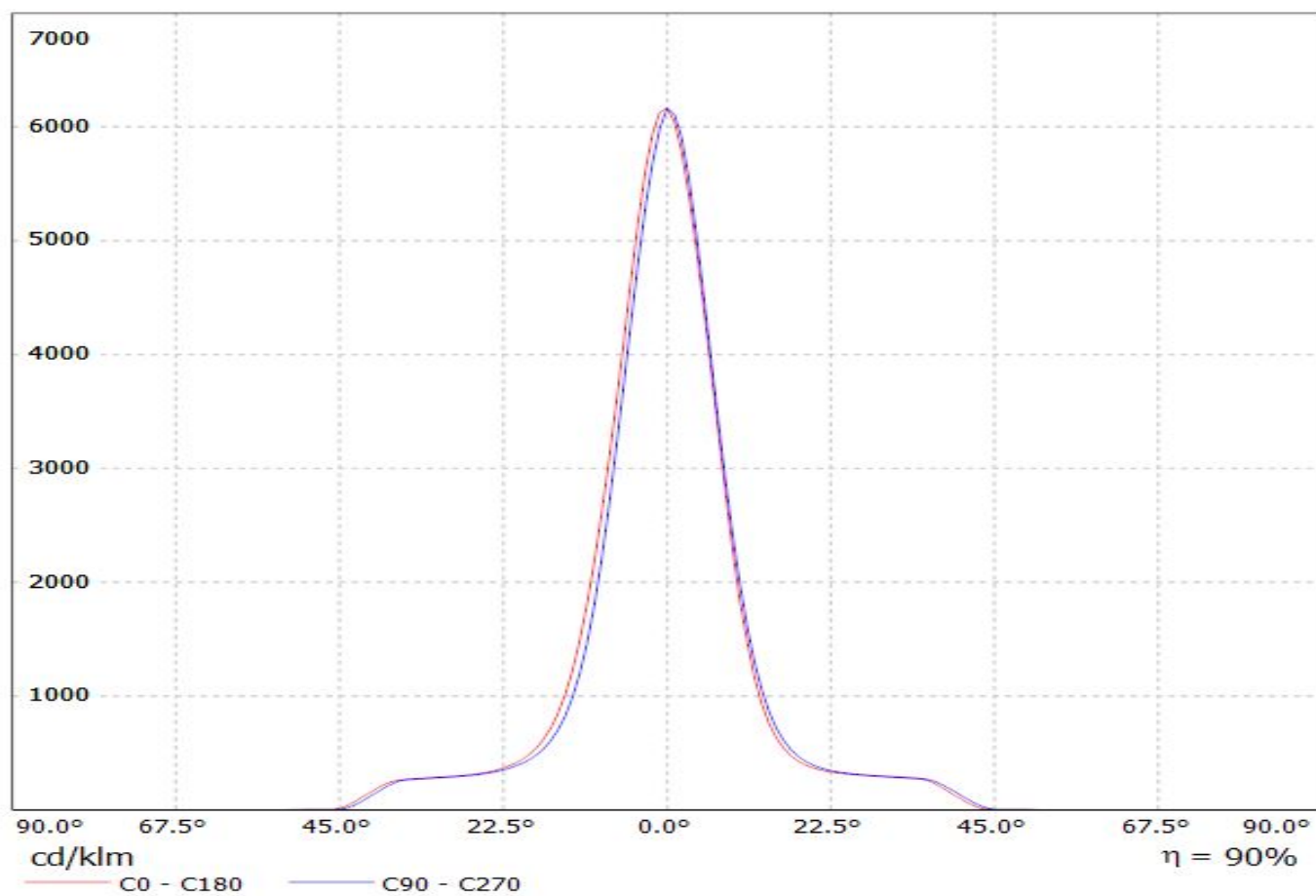


Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(Cree_XHP50_WW)
Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A

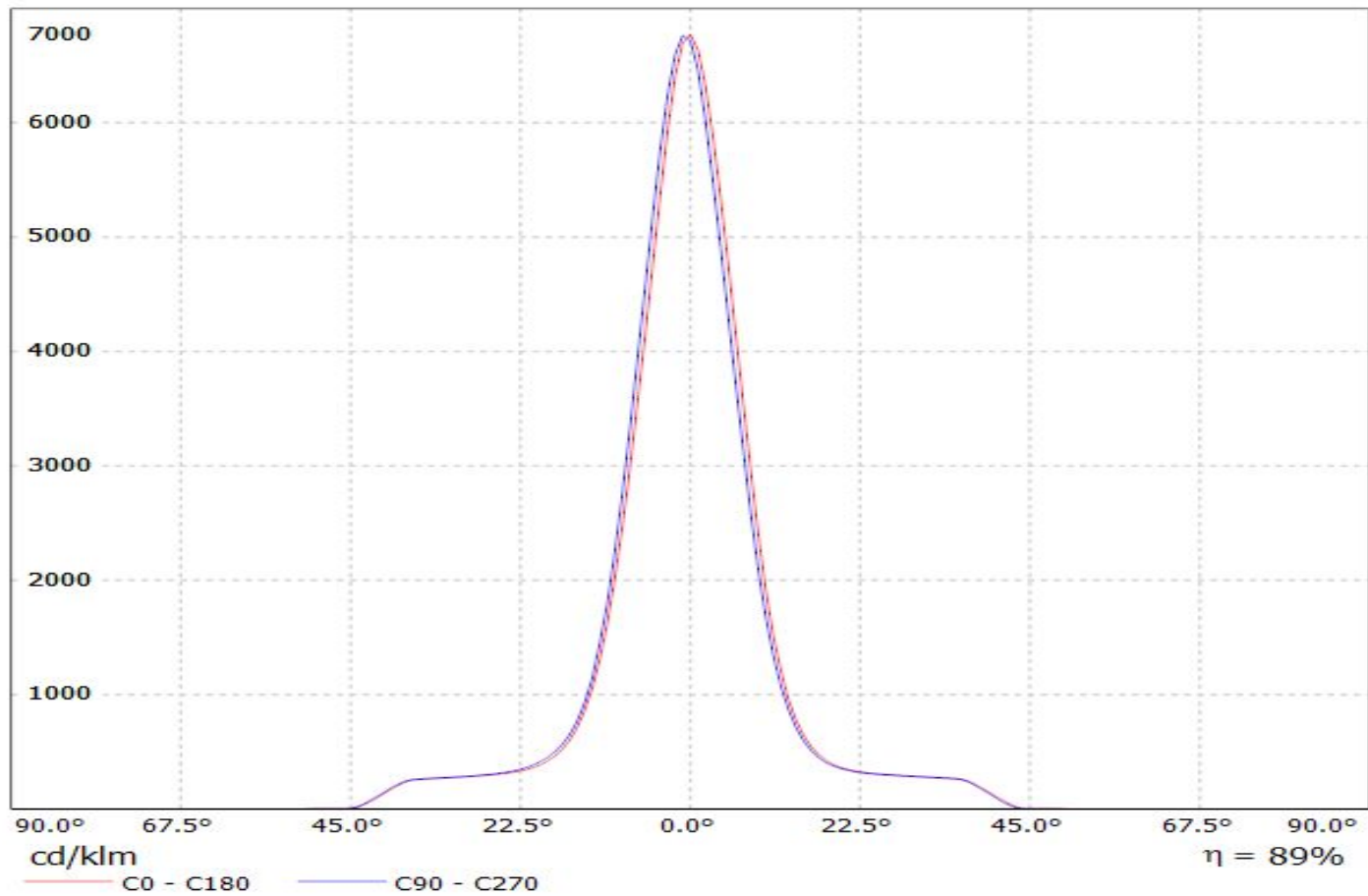


Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CLU700)

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



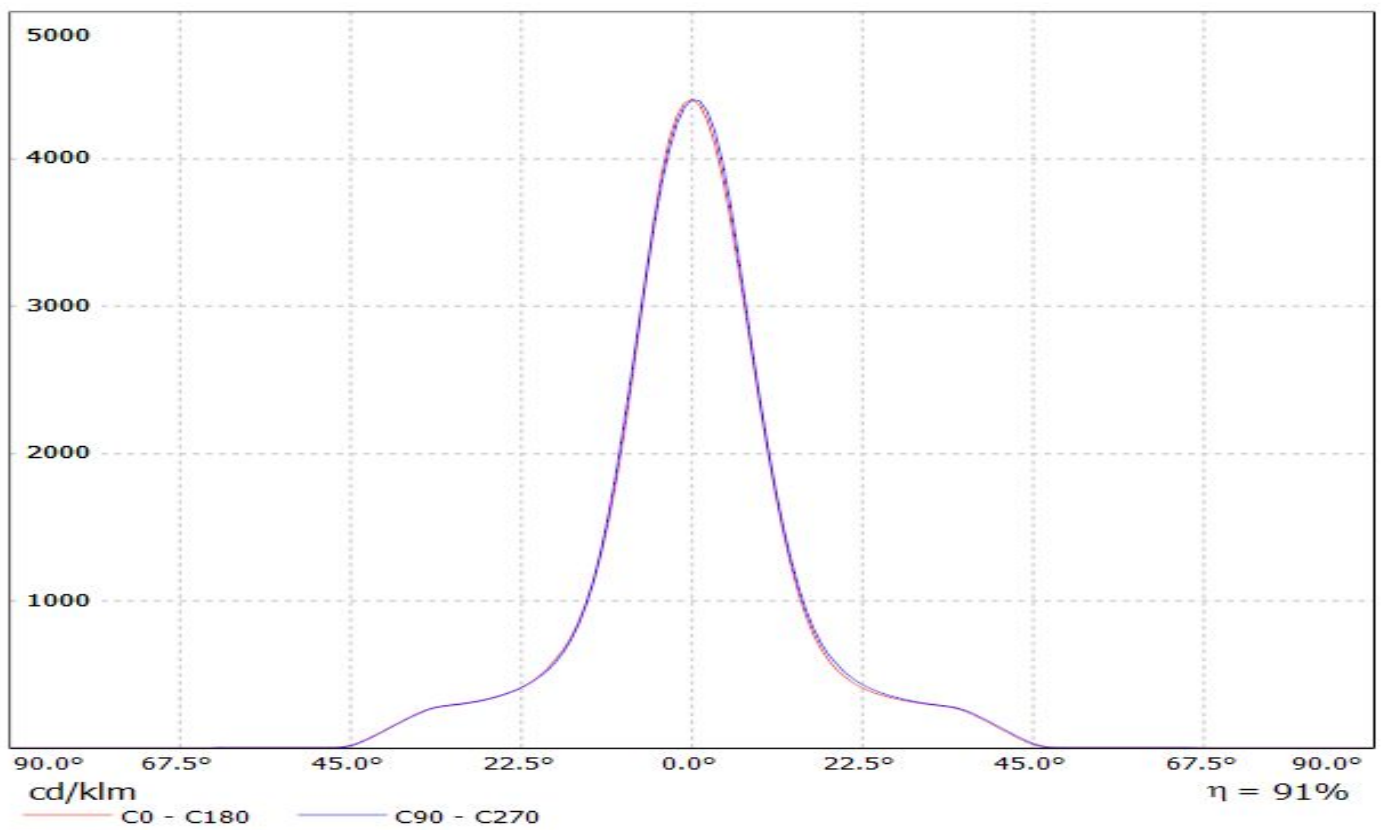
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_470.59lm@100mA_P=3.3748W_I=0.100A



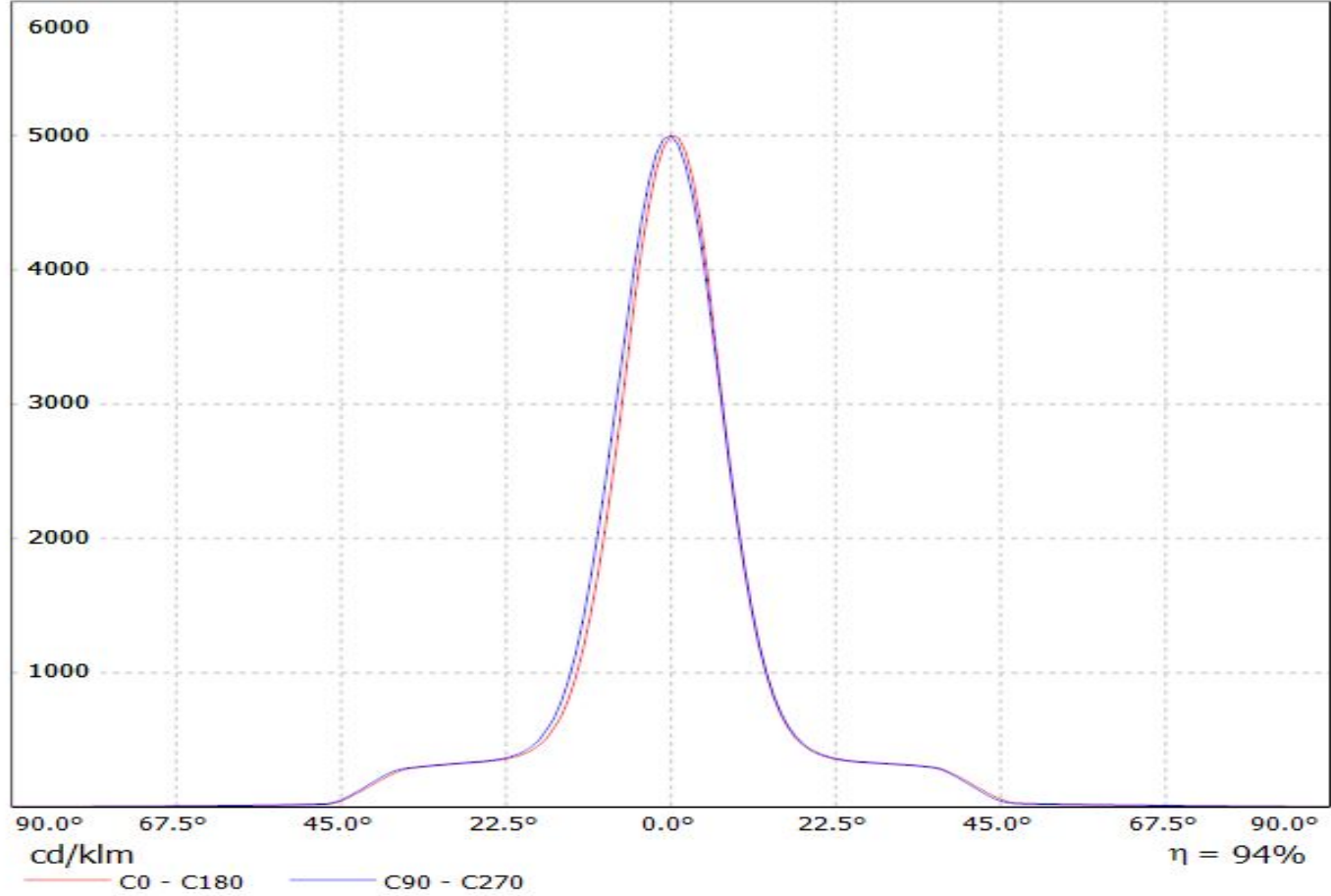
LEDiL Oy C12476_MIRELLA-50-S_(CXA1507) Eff.91.6% / LDC (Linear)

Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CXA1507) Eff.91.6%

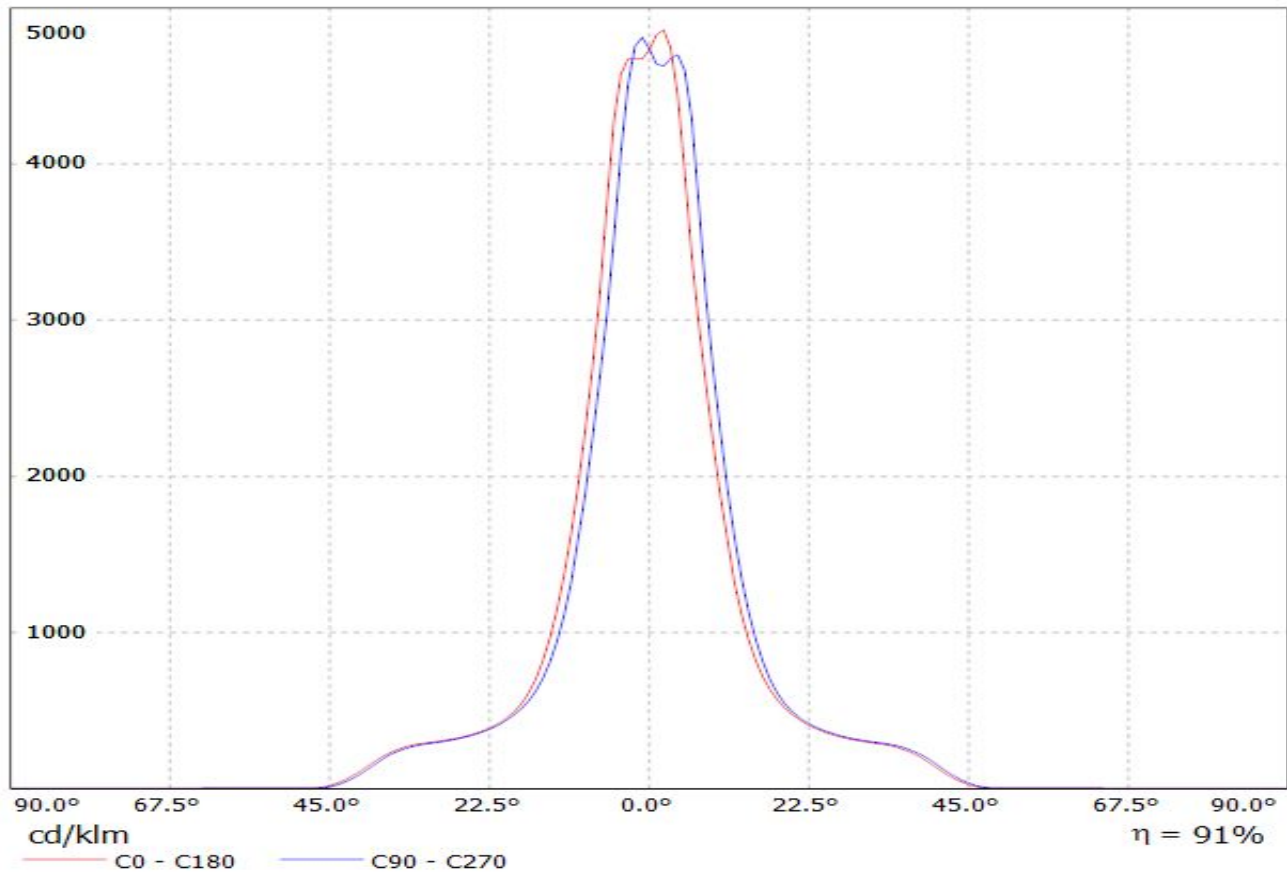
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W
I=54.5mA



Luminaire: Ledil C12476_MIRELLA-50-S_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



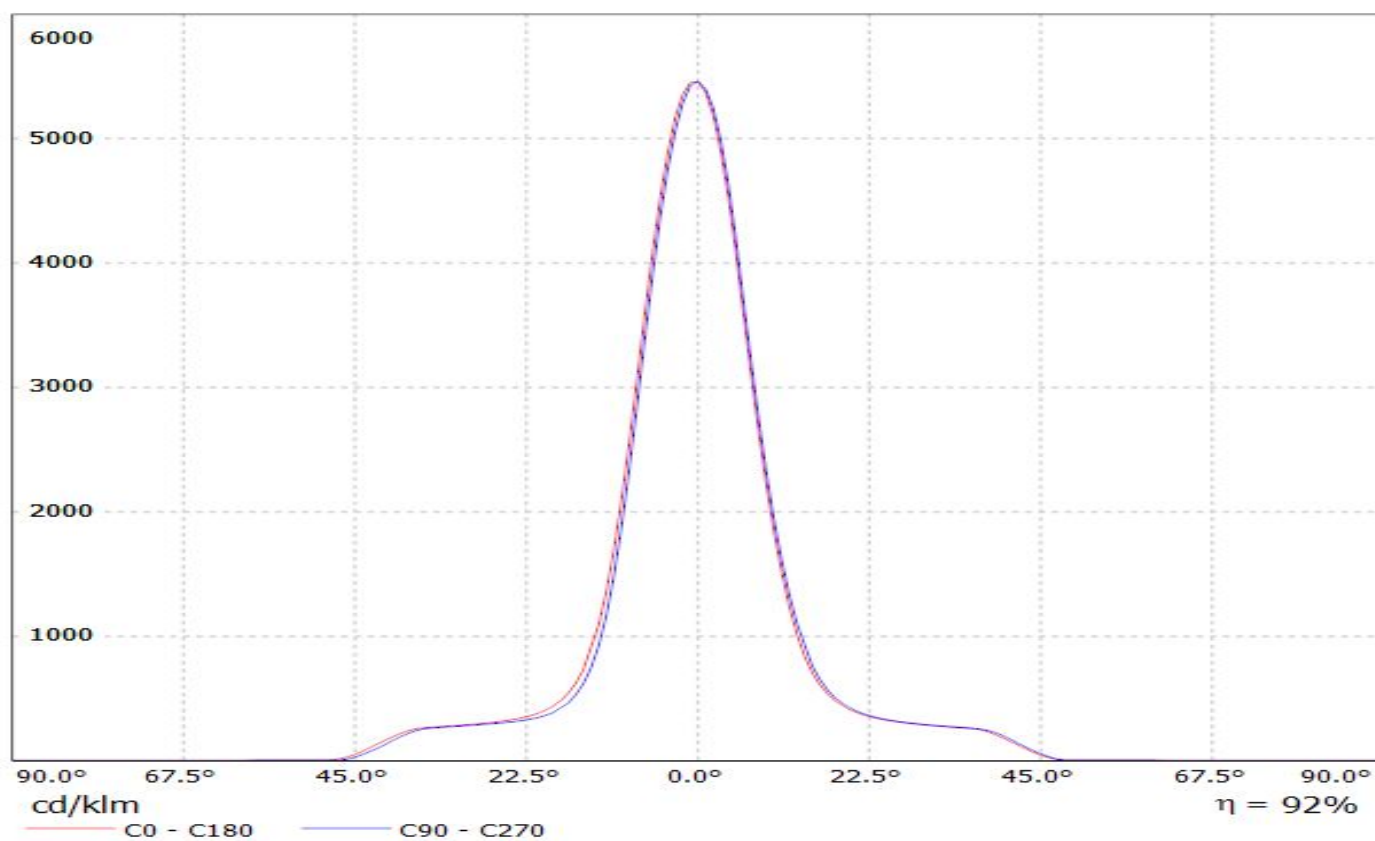
Luminaire: LEDIL OY C12476_MIRELLA-50-S_(MiniZenigata) Eff.91.6%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



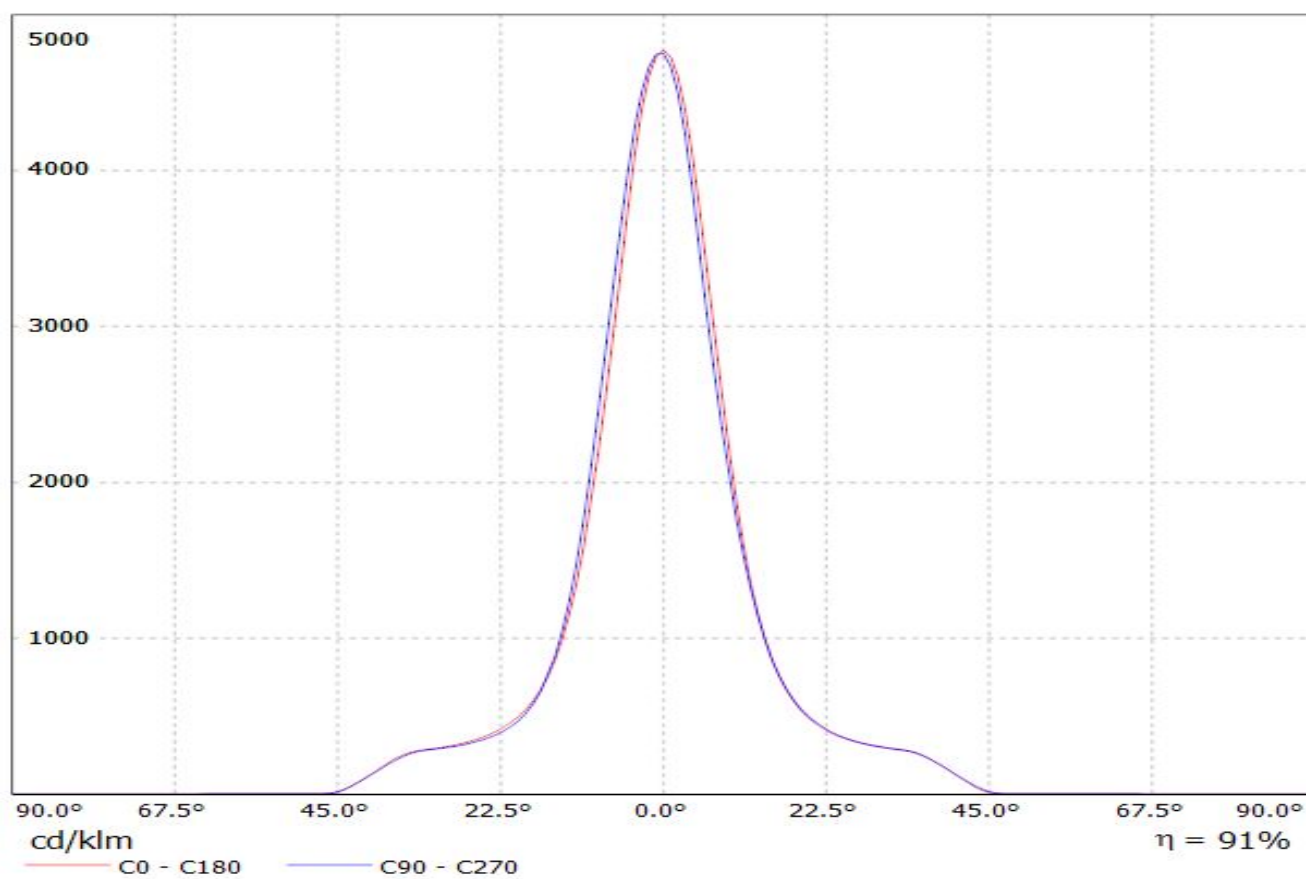
LEDiL Oy C12476_MIRELLA-50-S_(MT-G2) Eff.92.1% / LDC (Linear)

Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(MT-G2) Eff.92.1%

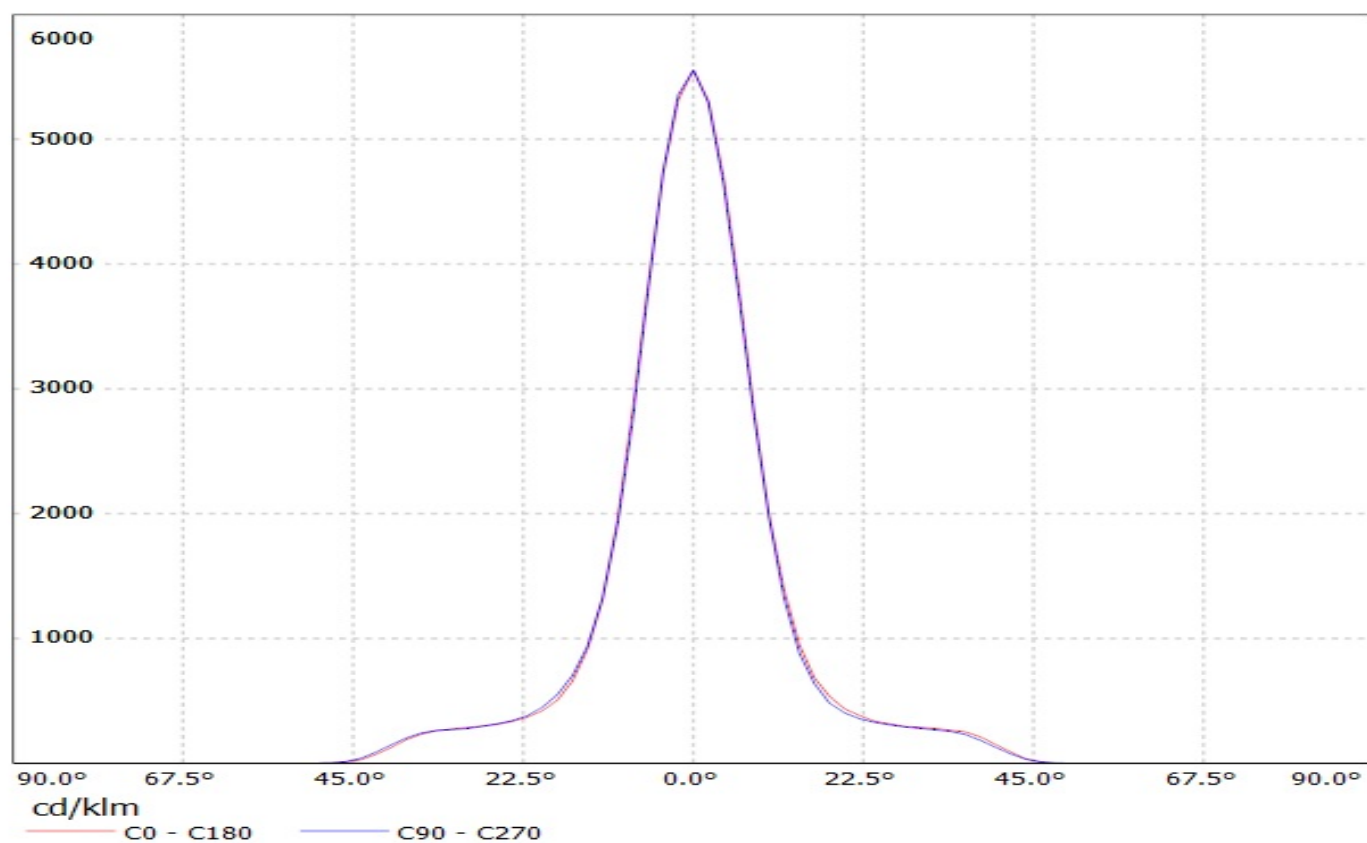
Lamps: 1 x MT-G2 (168lm@250mA)



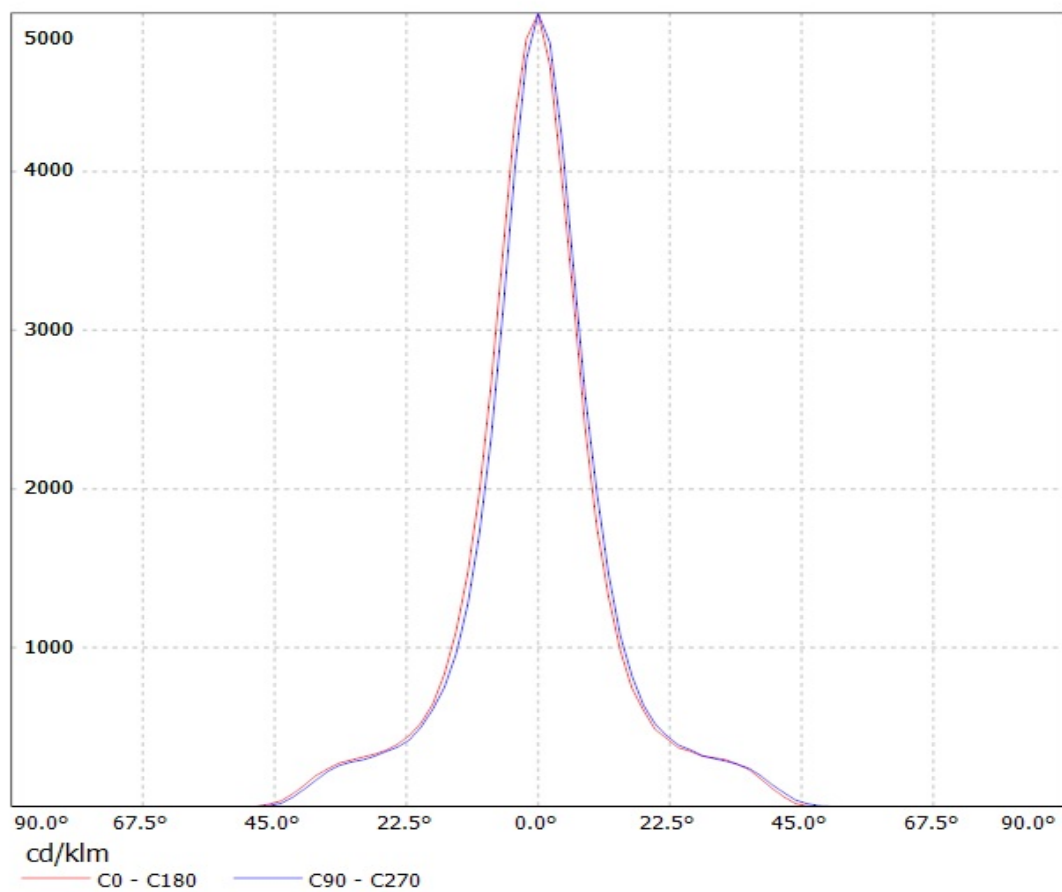
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(Mini_Zenigata) Eff.91.1%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



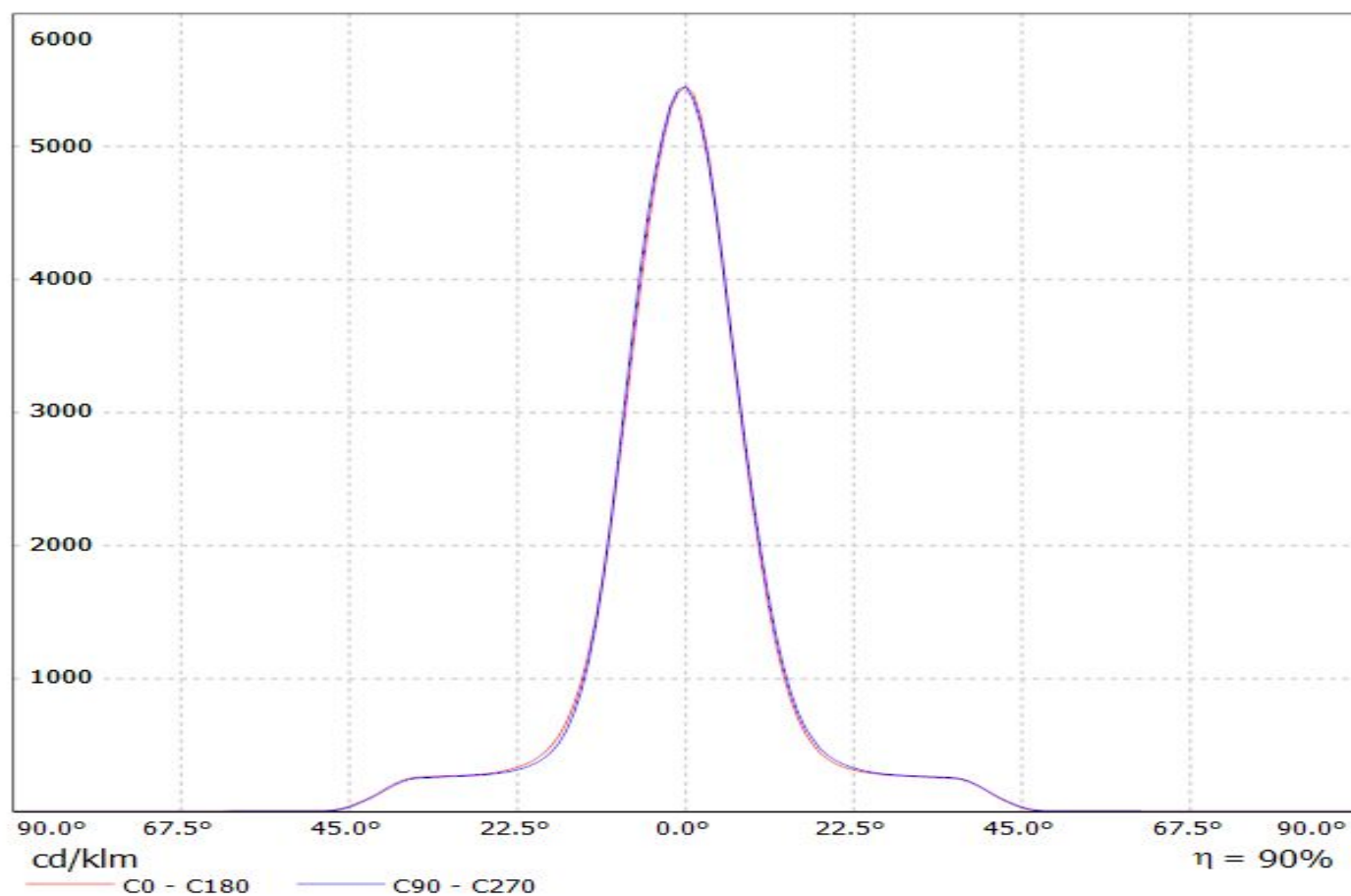
Luminaire: Ledil Oy C12476_MIRELLA-50-S (Nichia NSCXL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCXL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



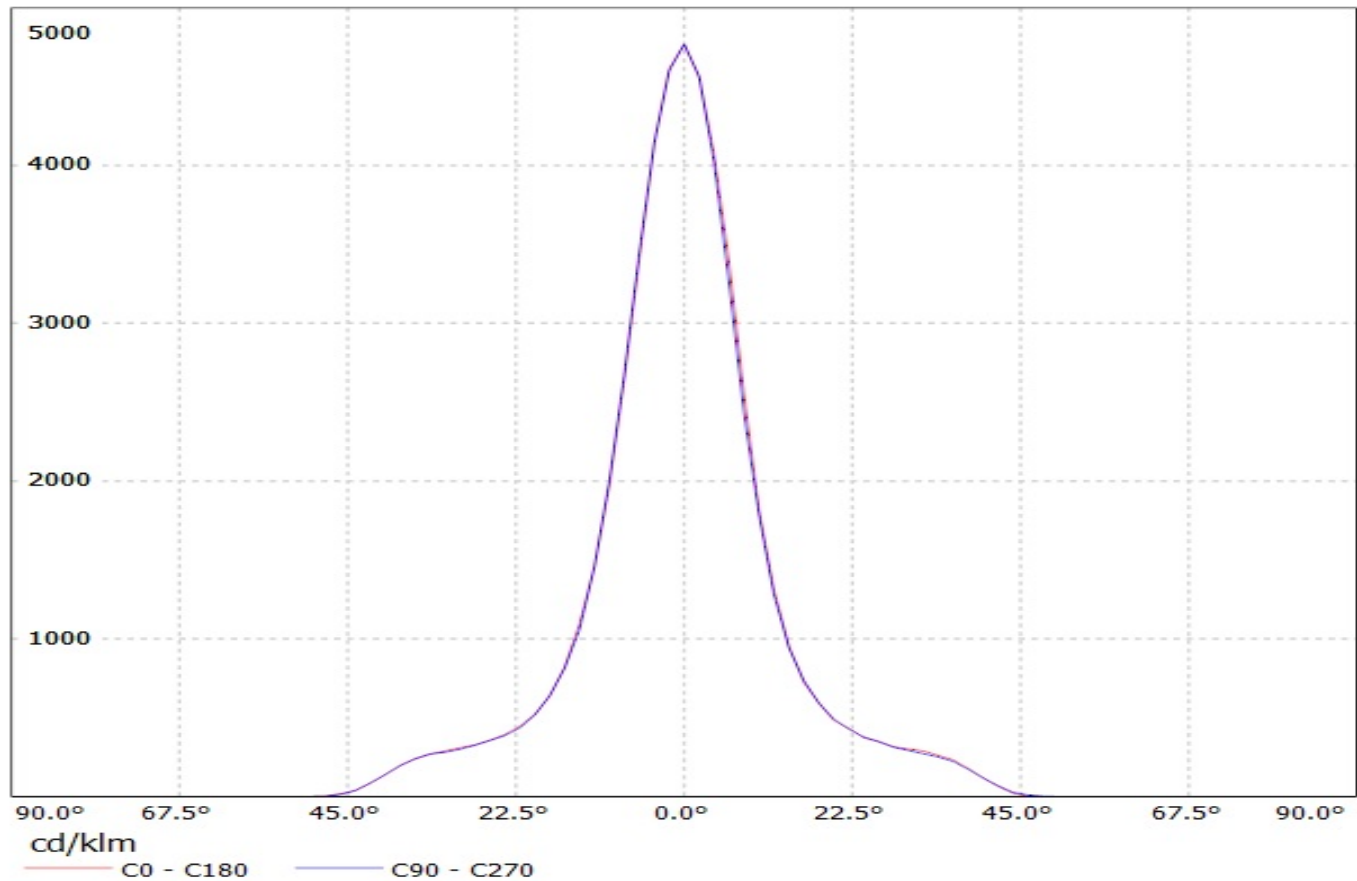
Luminaire: LEDil Oy C12476_MIRELLA-50-S_(Stark_SLE_G3_LES10) Efficiency=88%
Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA



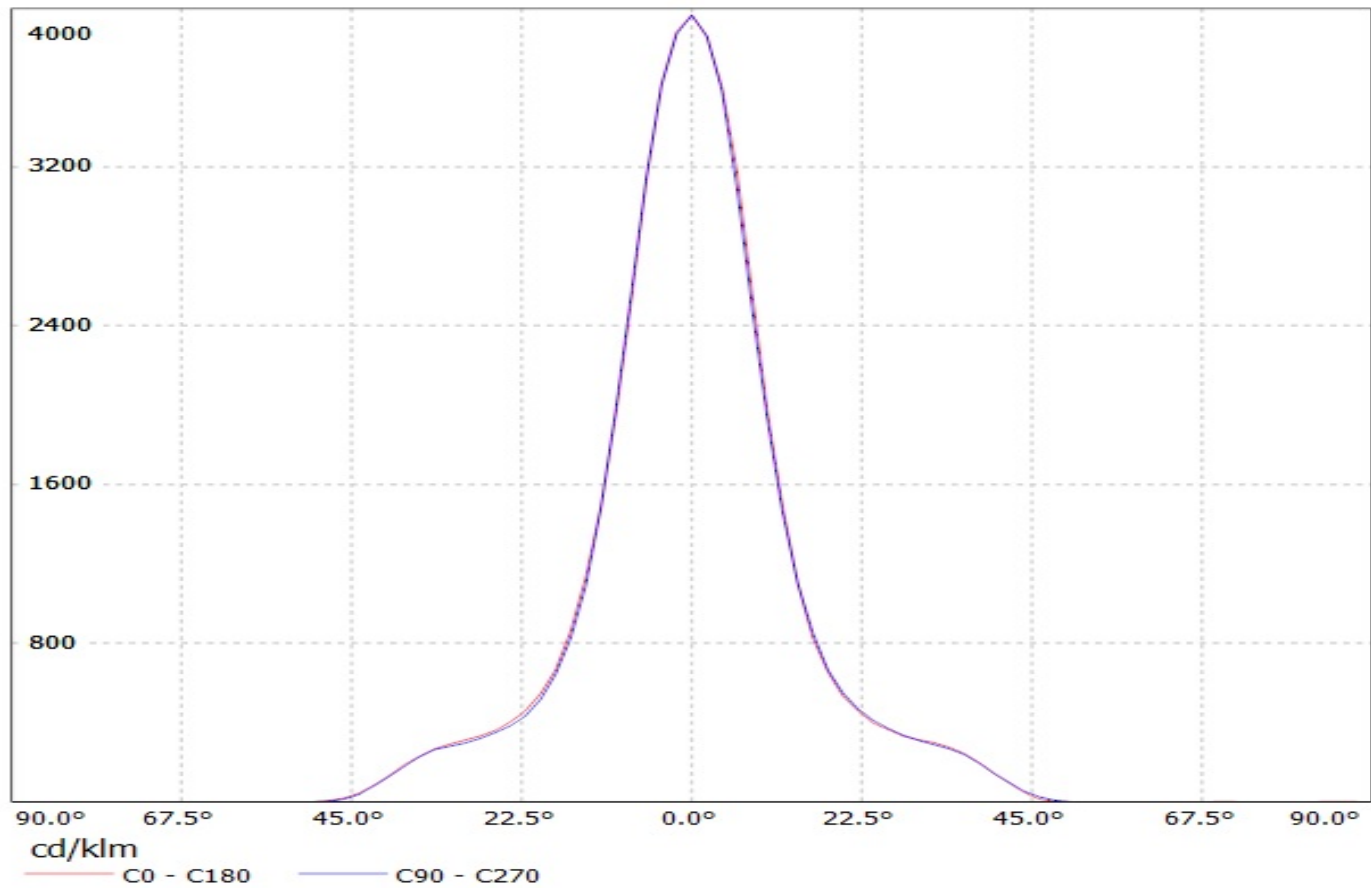
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.549lm@250mA_P=1.38255W_I=0.2499A



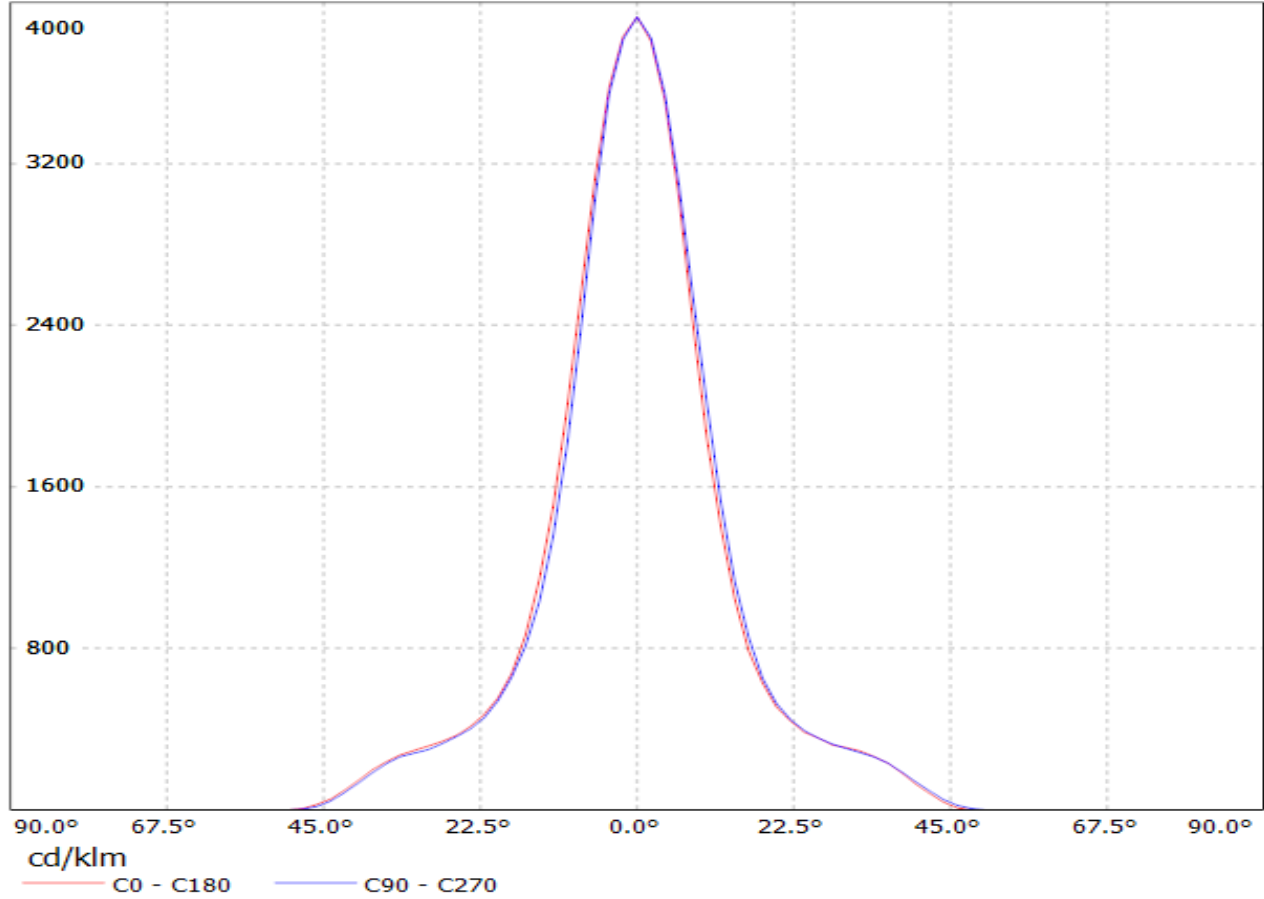
Luminaire: LEDil Oy C12476_MIRELLA-50-S_(ZC6) Efficiency=88%
Lamps: 1 x Seoul ZC6 (SDW81F1c) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: Ledil Oy C12476_MIRELLA-50-S (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA

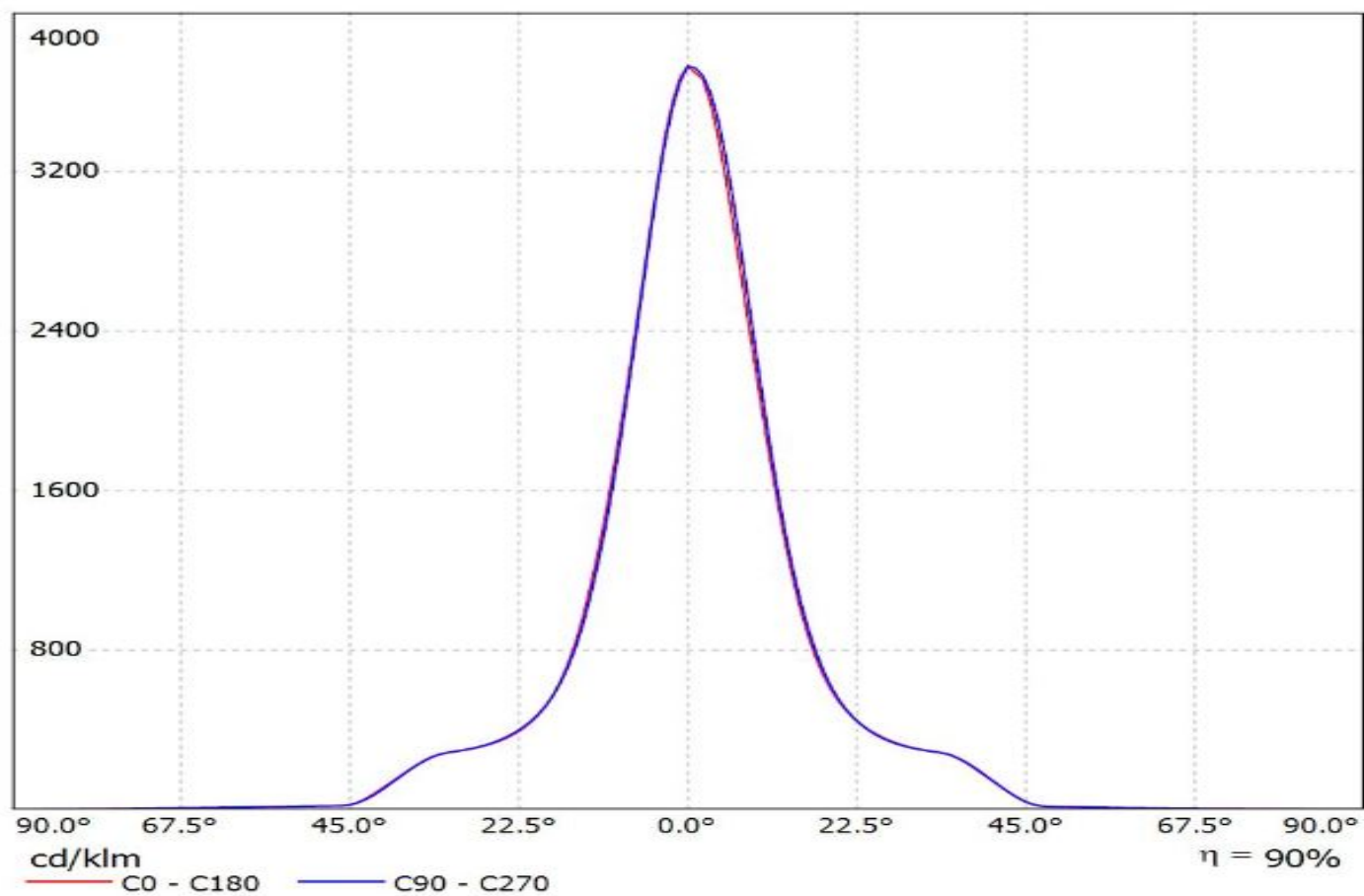


Luminaire: Ledil Oy C12476_MIRELLA-50-S_(Luxeon_CoB_1203) Efficiency= 89%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8,7W I=250mA



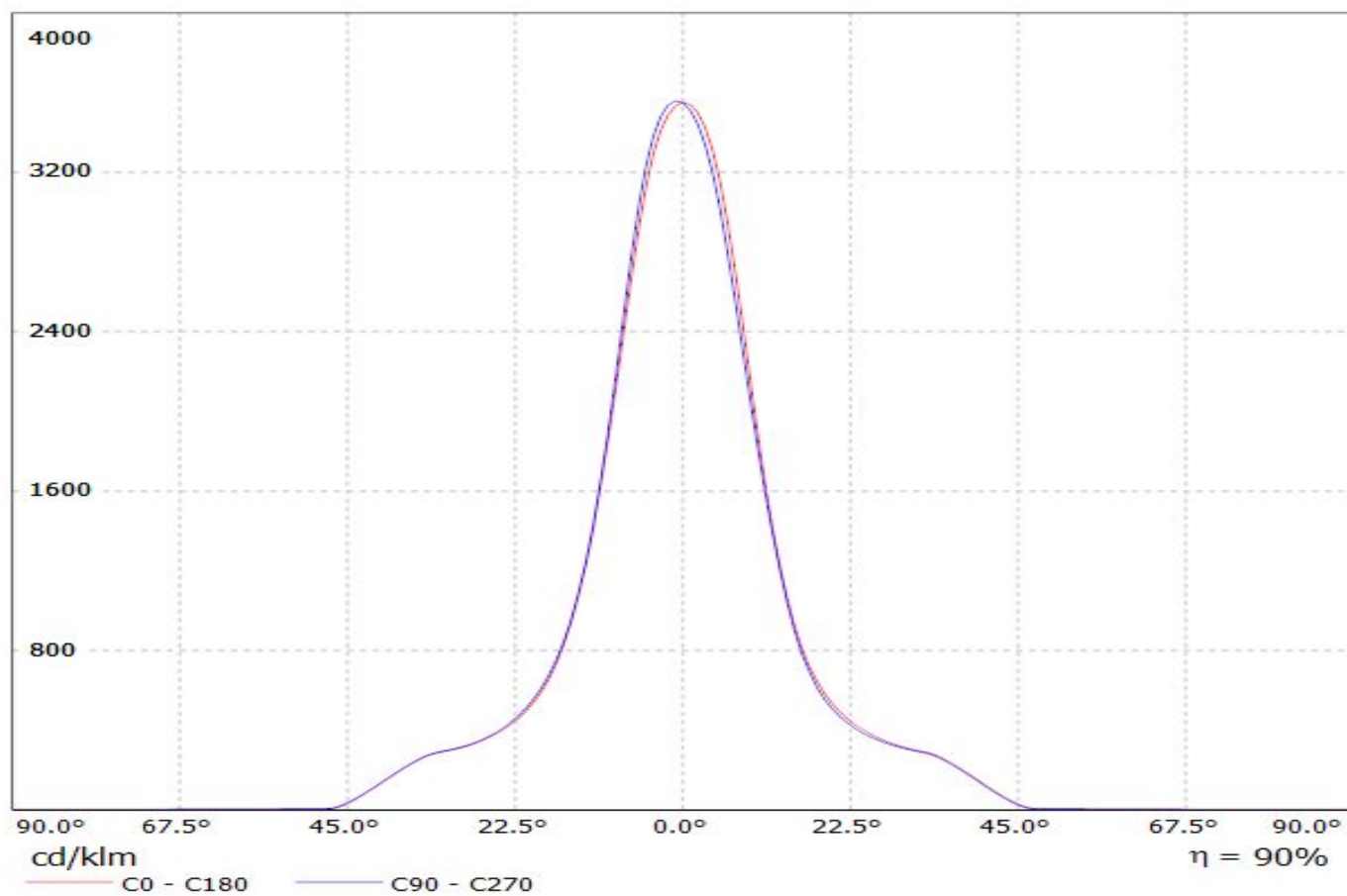
Luminaire: Ledil C12476_MIRELLA-50-S_(CLU710)

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

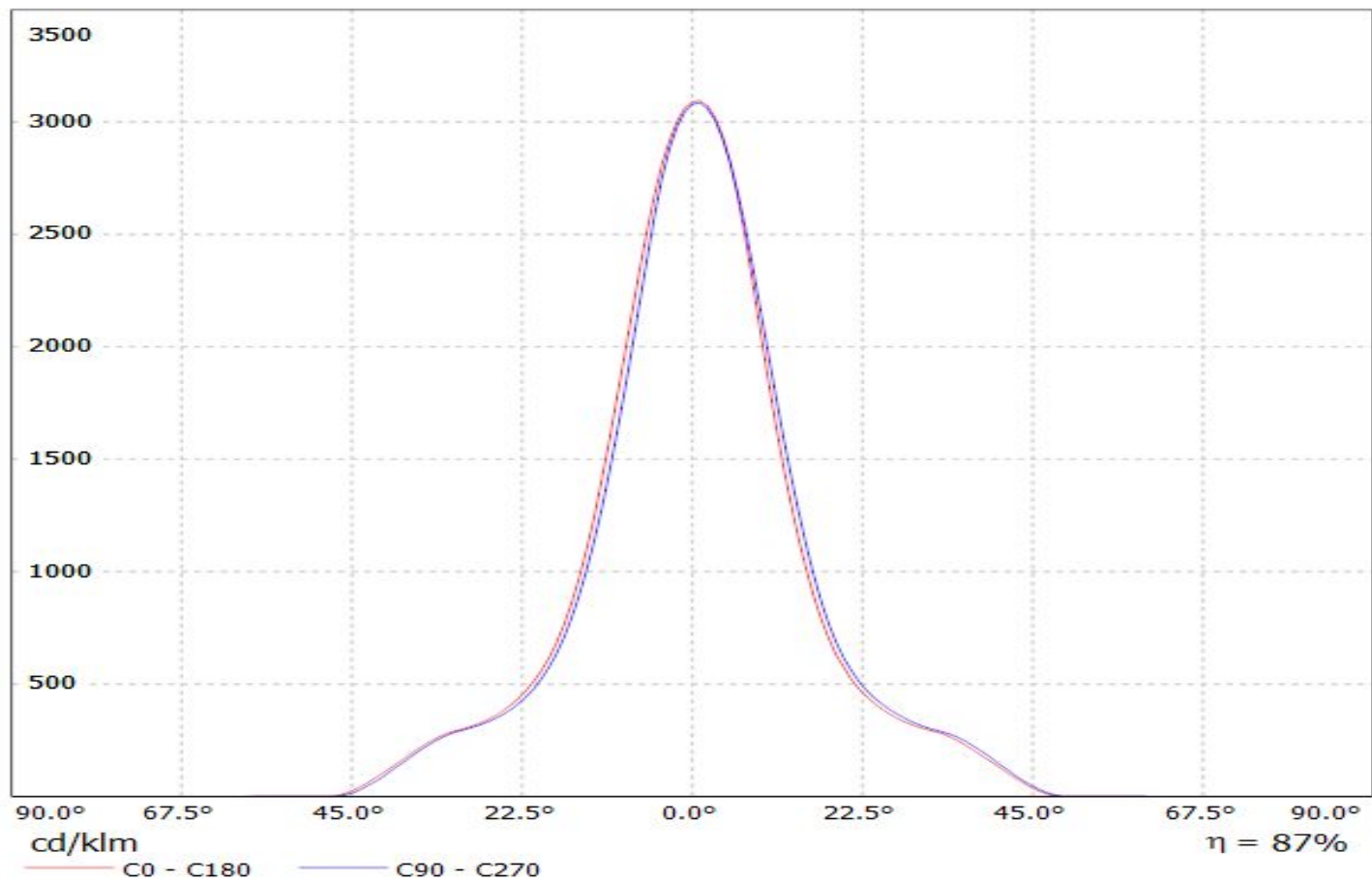


Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CXM-9)

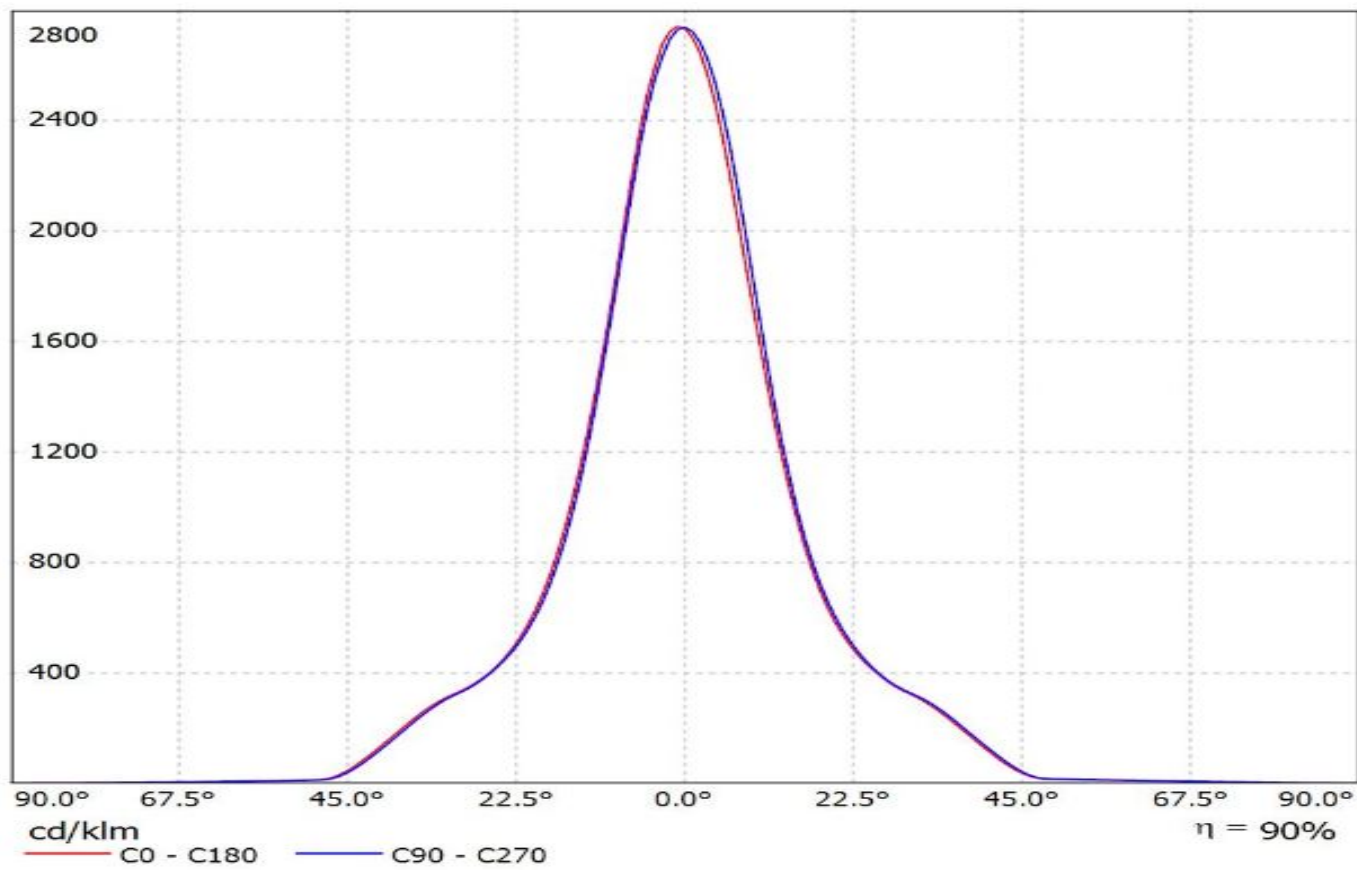
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_977.302lm@240mA_P=8.28264W_I=240mA



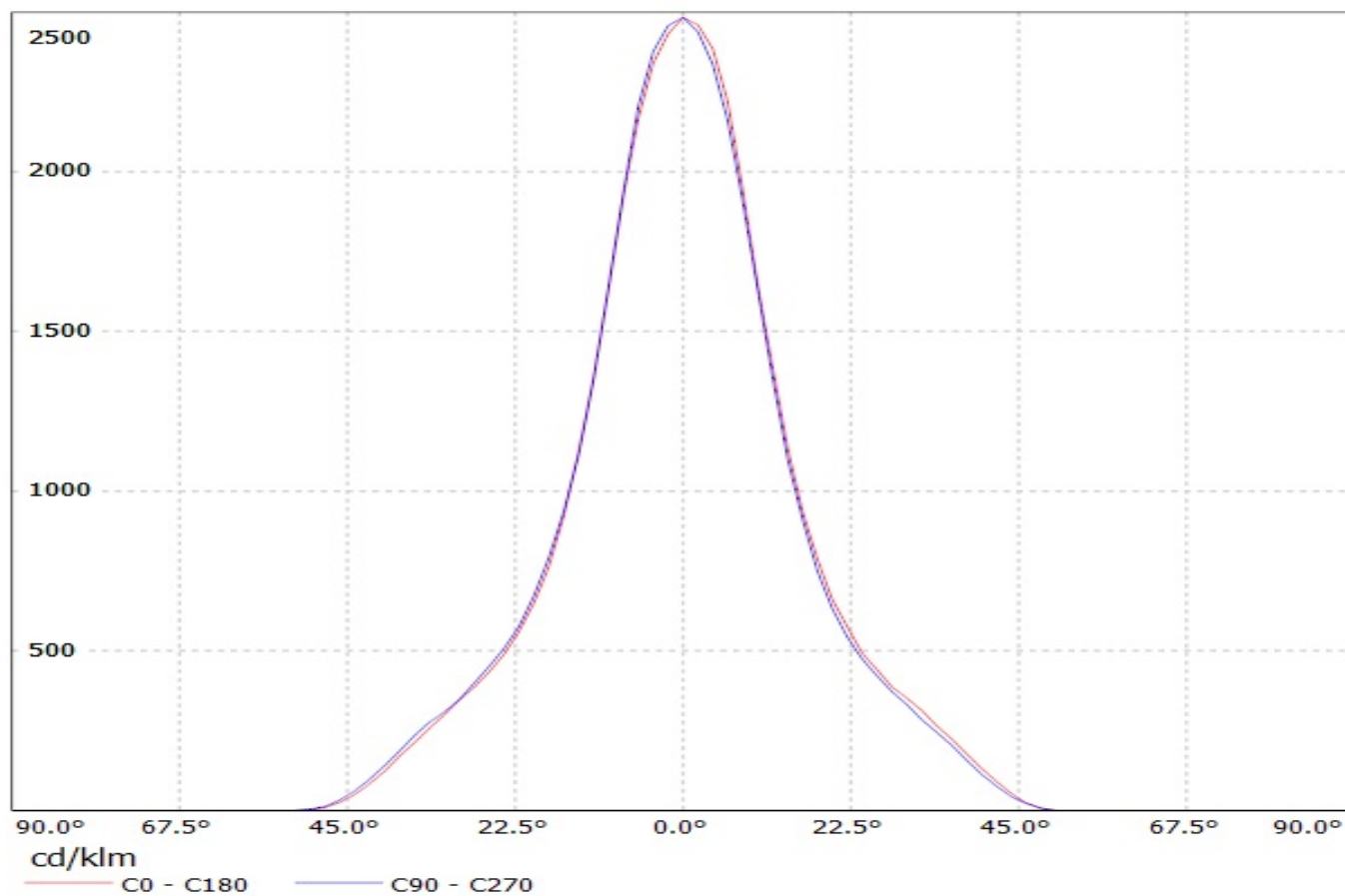
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1168.86lm@250mA_P=8.3243W_I=0.250A



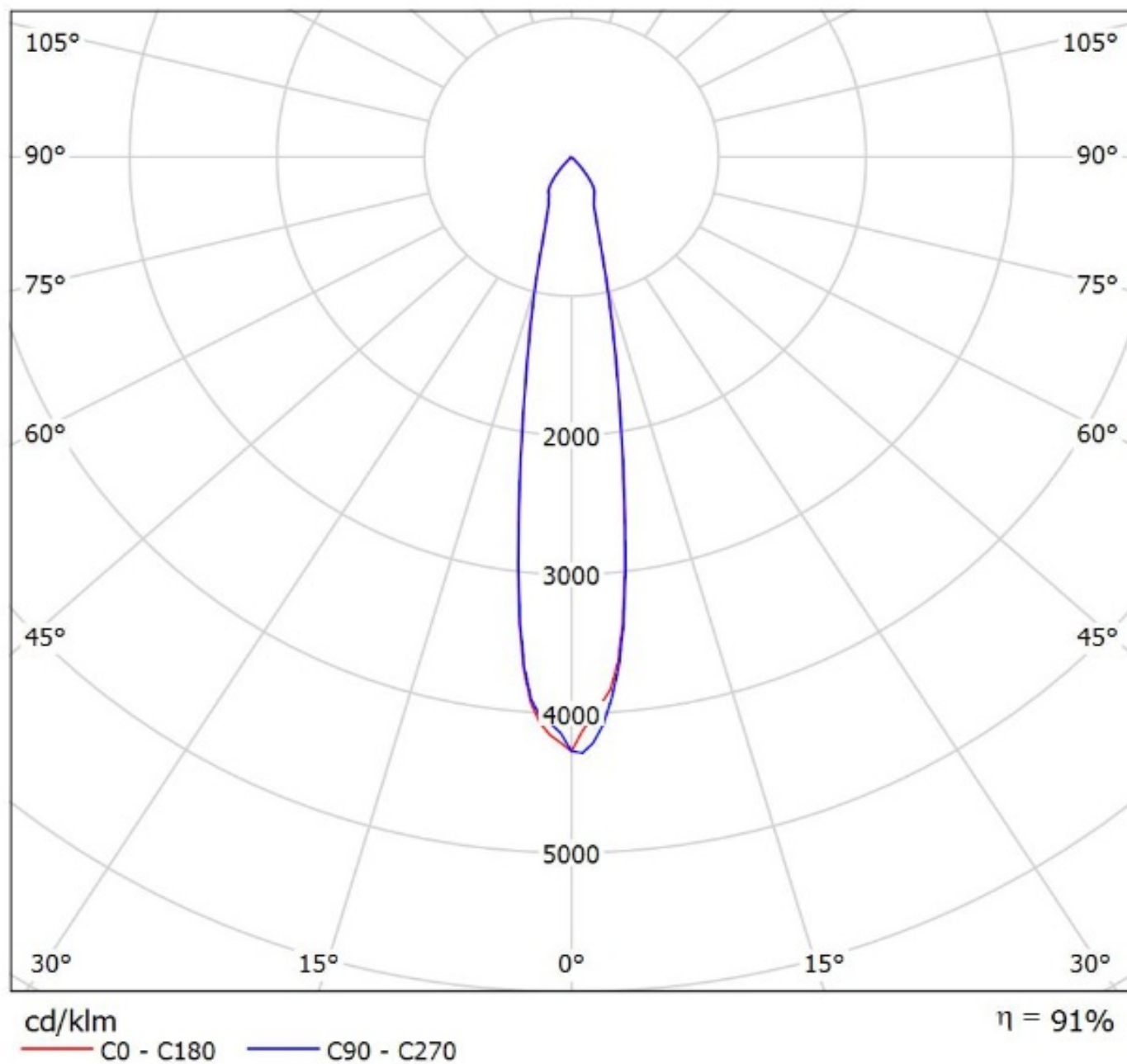
Luminaire: Ledil C12476_MIRELLA-50-S_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



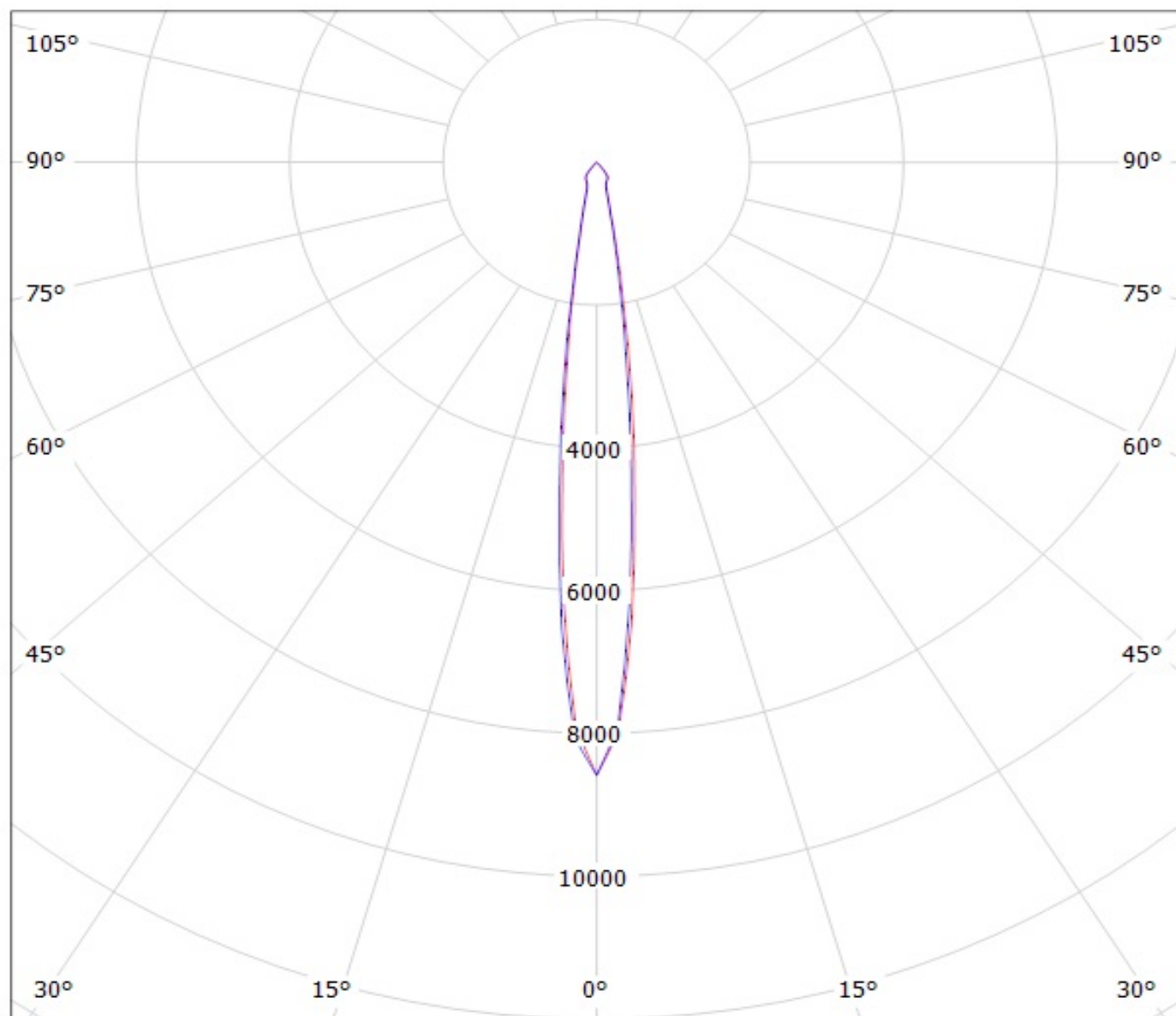
Luminaire: LEDil Oy C12476_MIRELLA-50-S_(Soleriq_S13) Efficiency=87%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



Luminaire: Ledil Oy C12476_MIRELLA-50-S_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



Luminaire: Ledil Oy C12476_MIRELLA-50-S (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



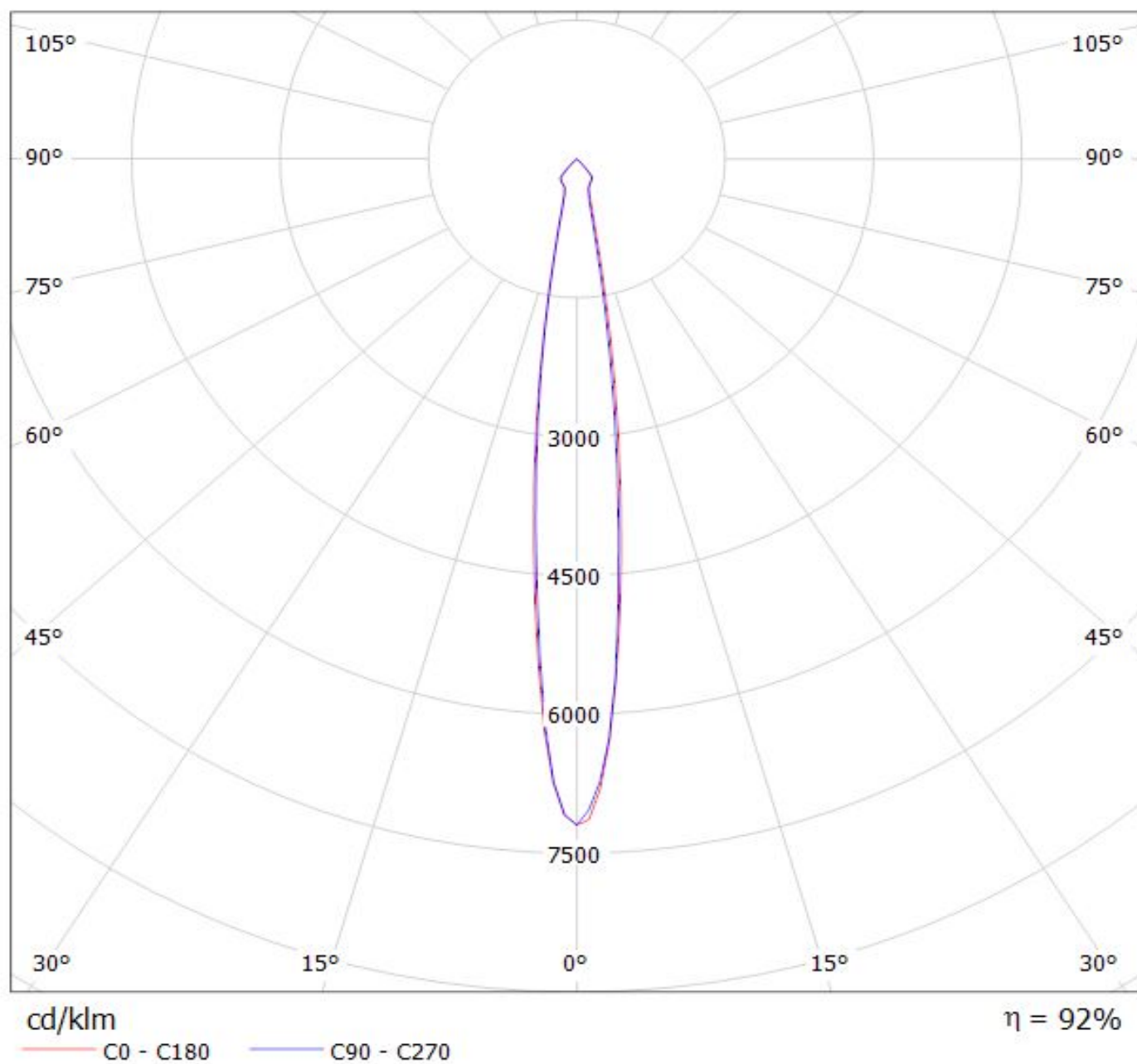
cd/klm

— C0 - C180

— C90 - C270

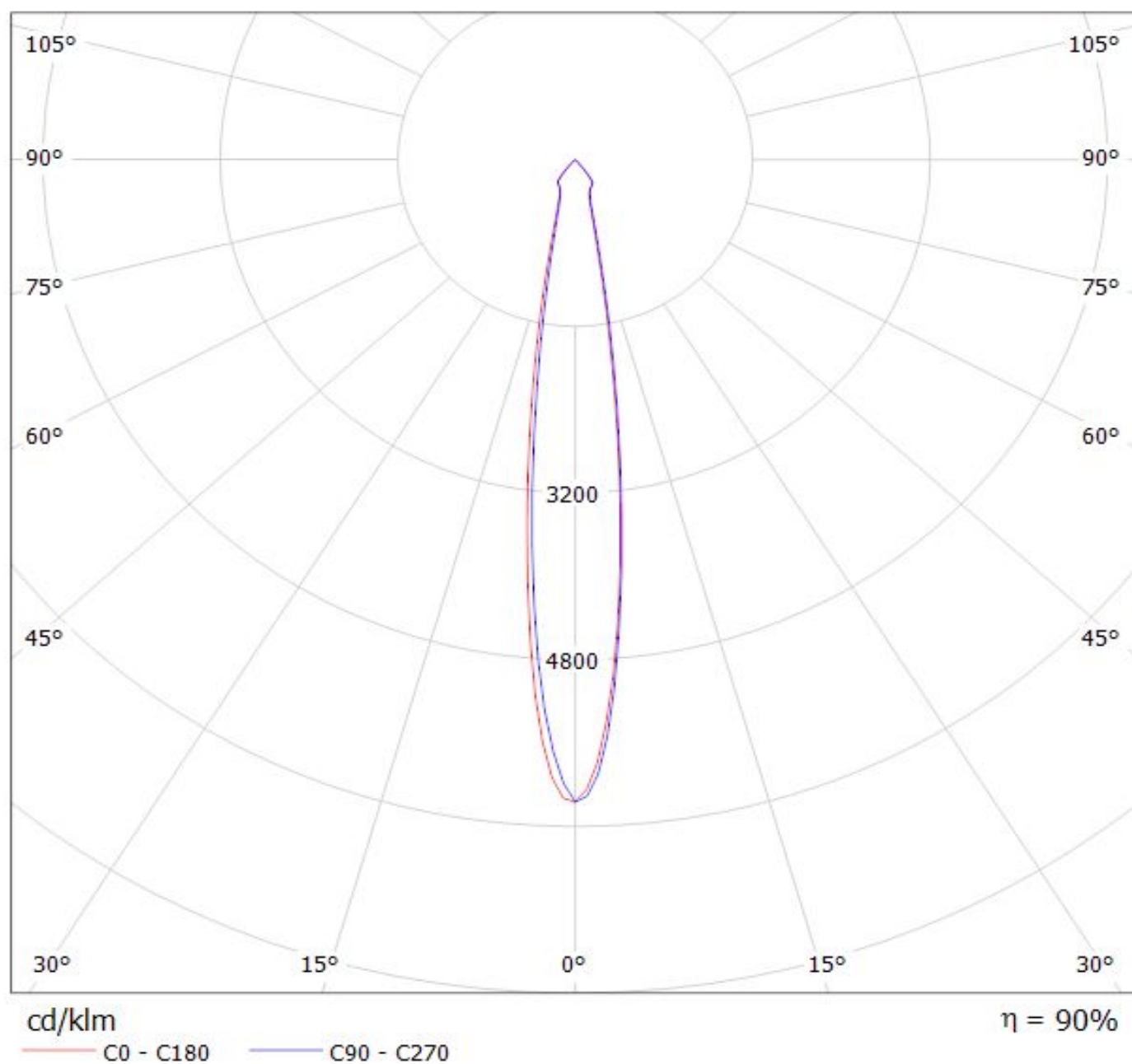
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(Cree_XHP50_WW)

Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A



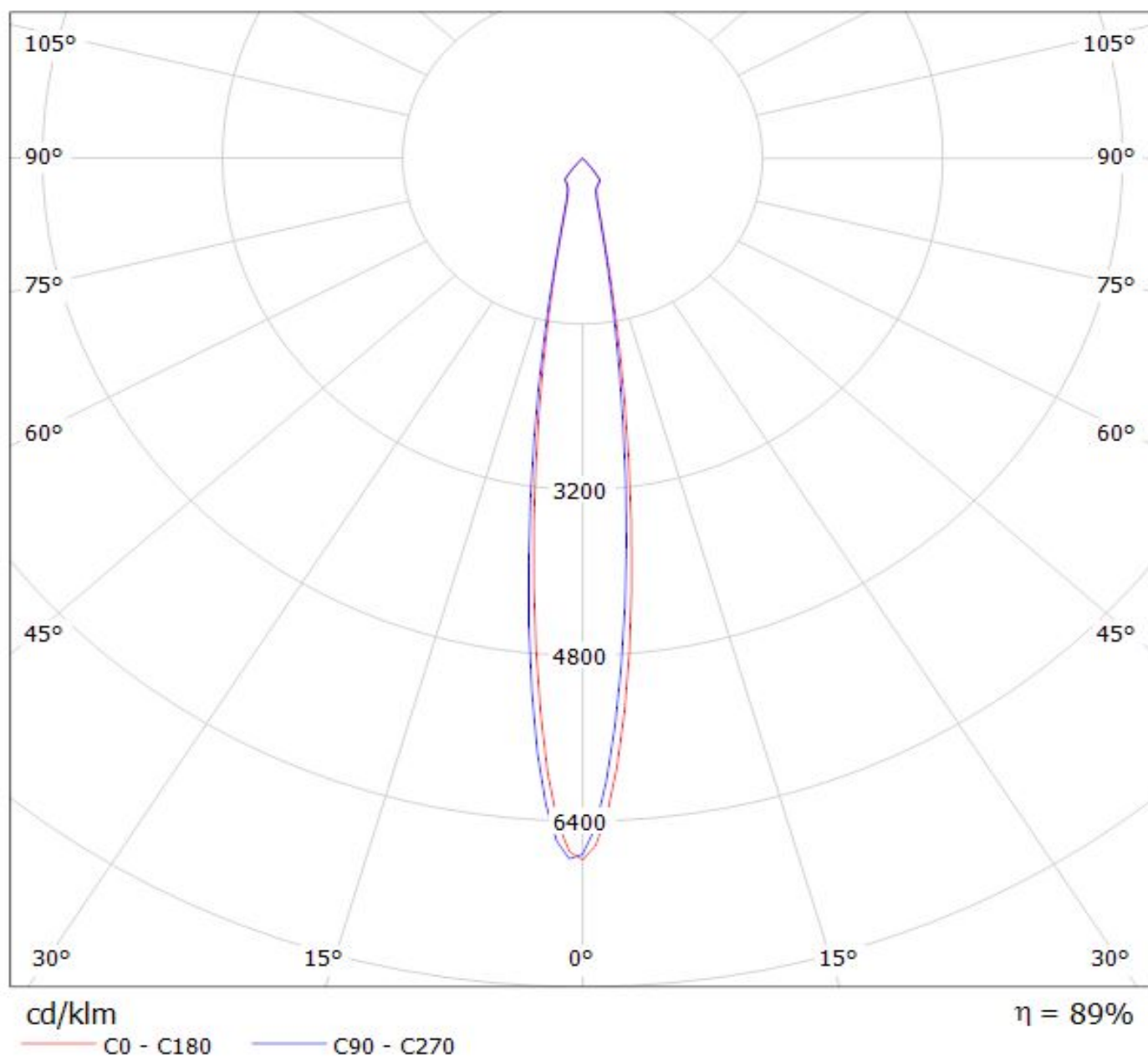
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CLU700)

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



Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(SLE-G5_LES-6)

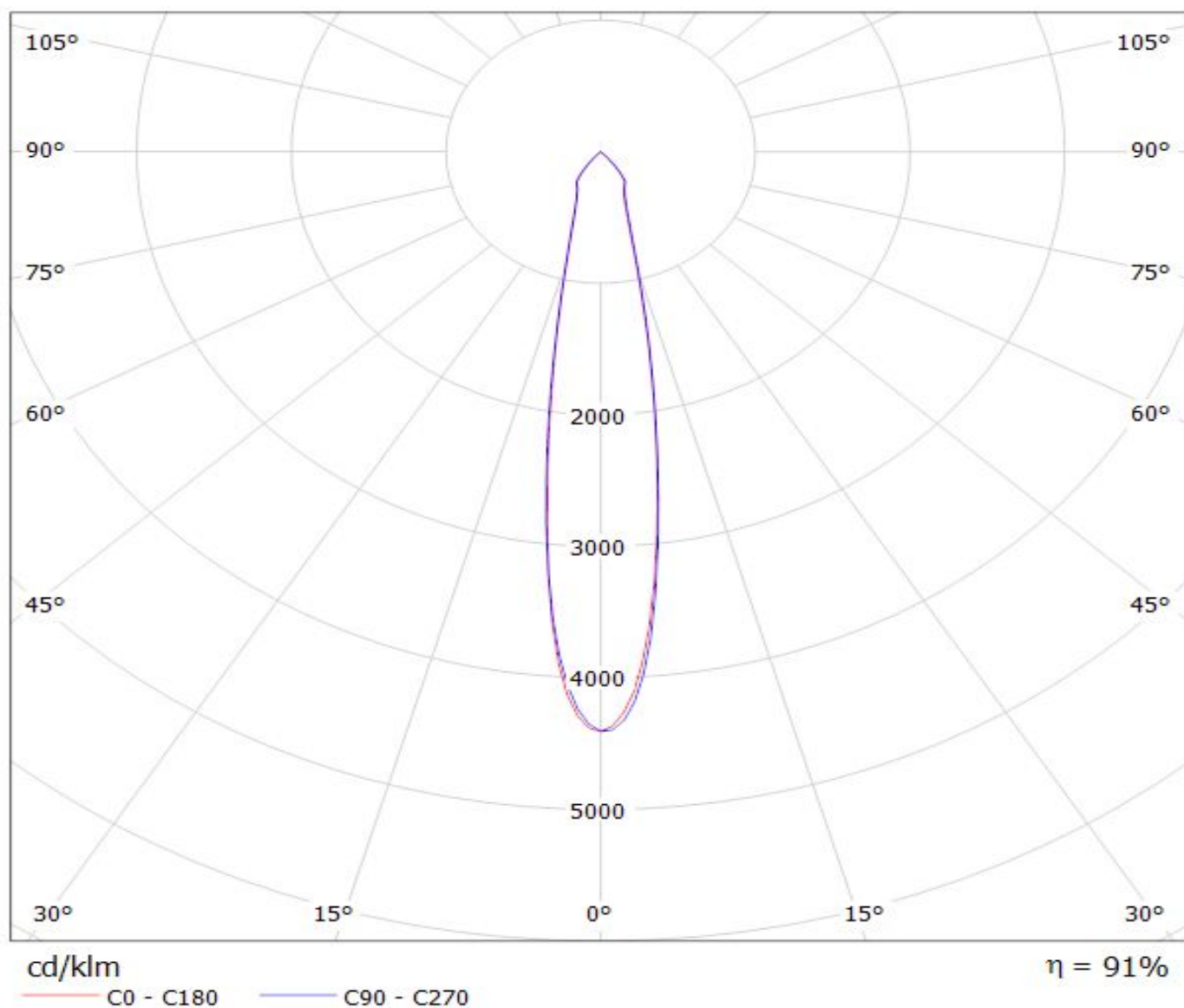
Lamps: 1 x Tridonic_SLE-G5_LES-6_470.59lm@100mA_P=3.3748W_I=0.100A



LEDiL Oy C12476_MIRELLA-50-S_(CXA1507) Eff.91.6% / LDC (Polar)

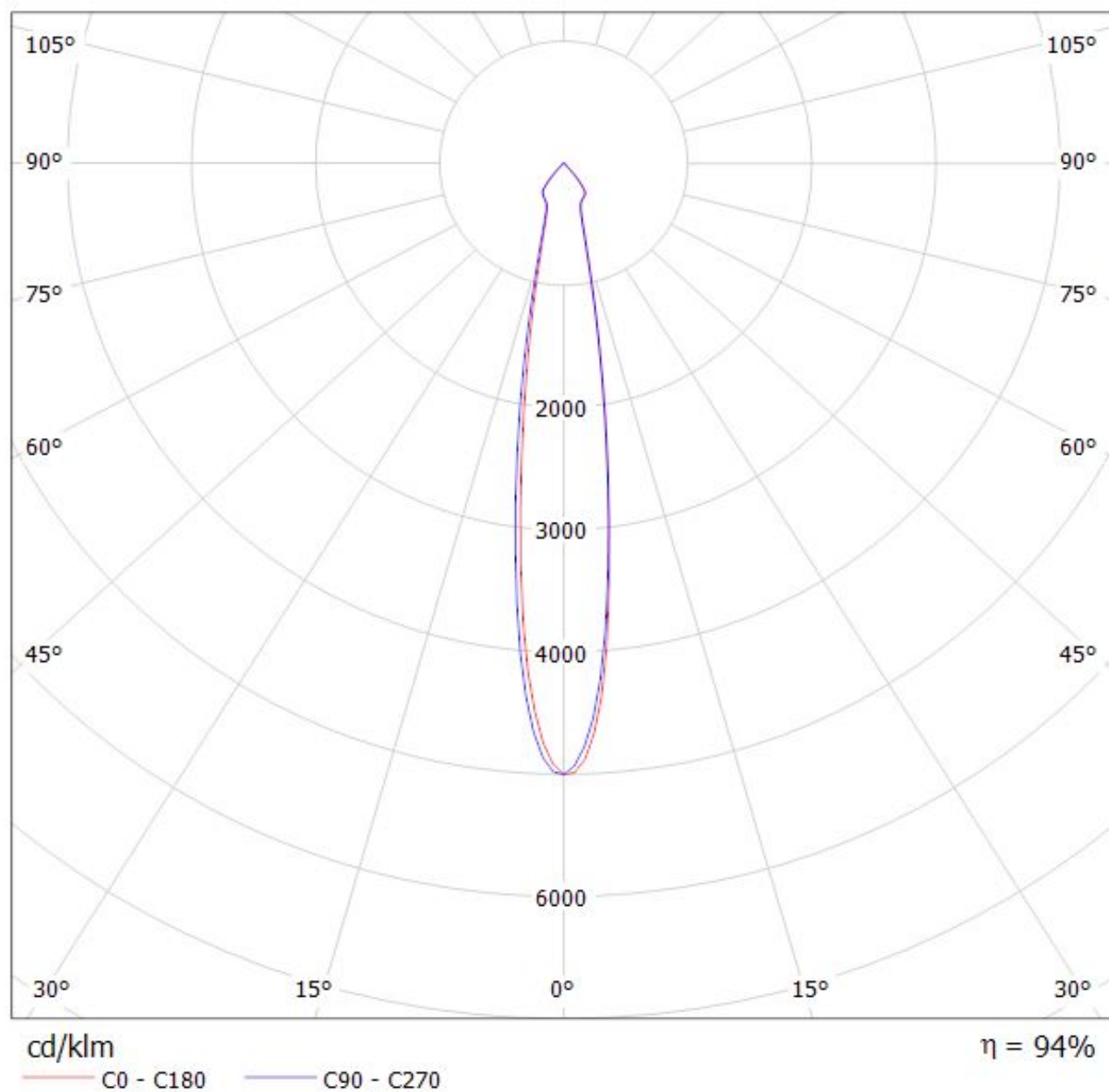
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CXA1507) Eff.91.6%

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

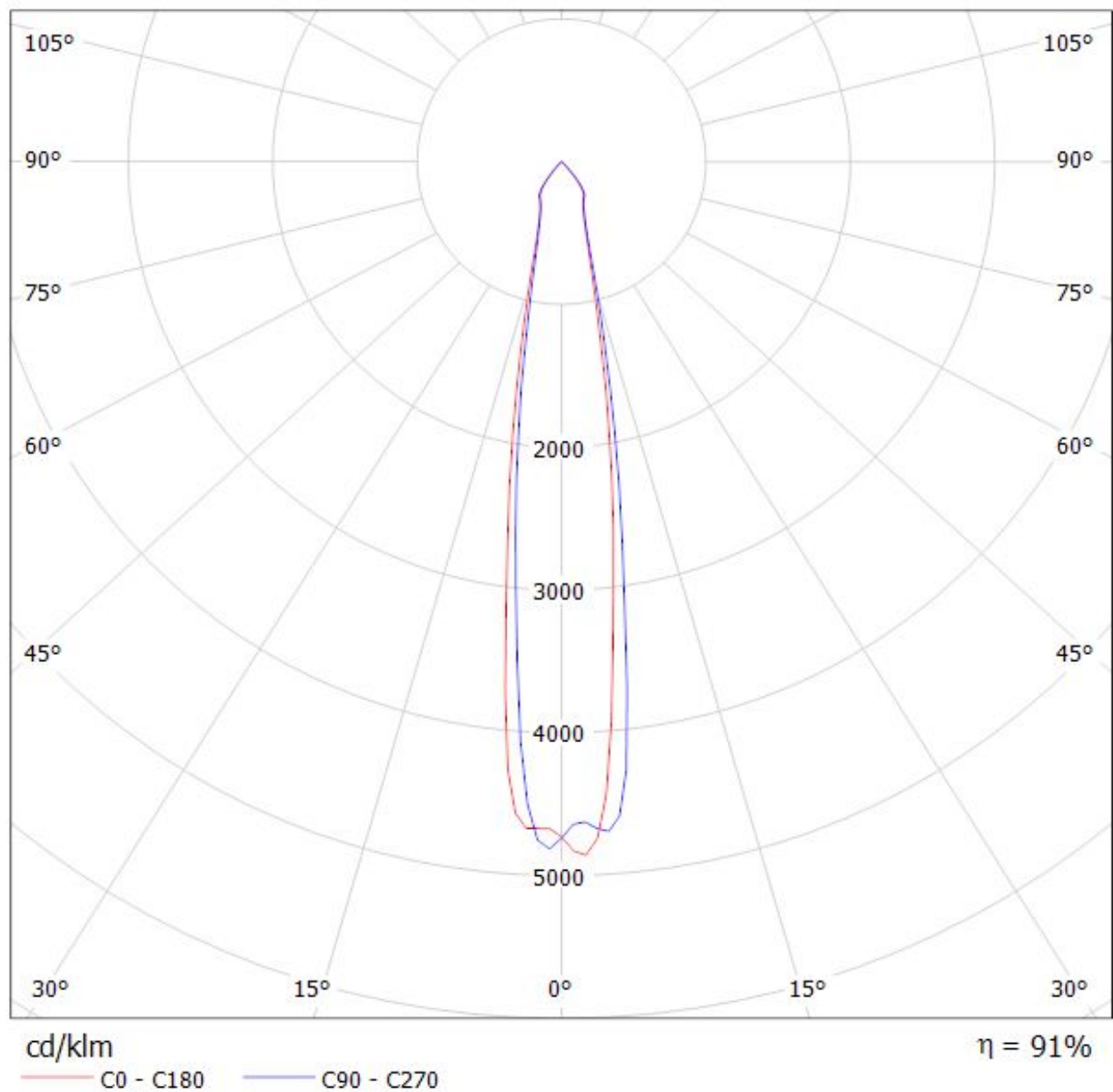


Luminaire: Ledil C12476_MIRELLA-50-S_(MHD-G)

Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



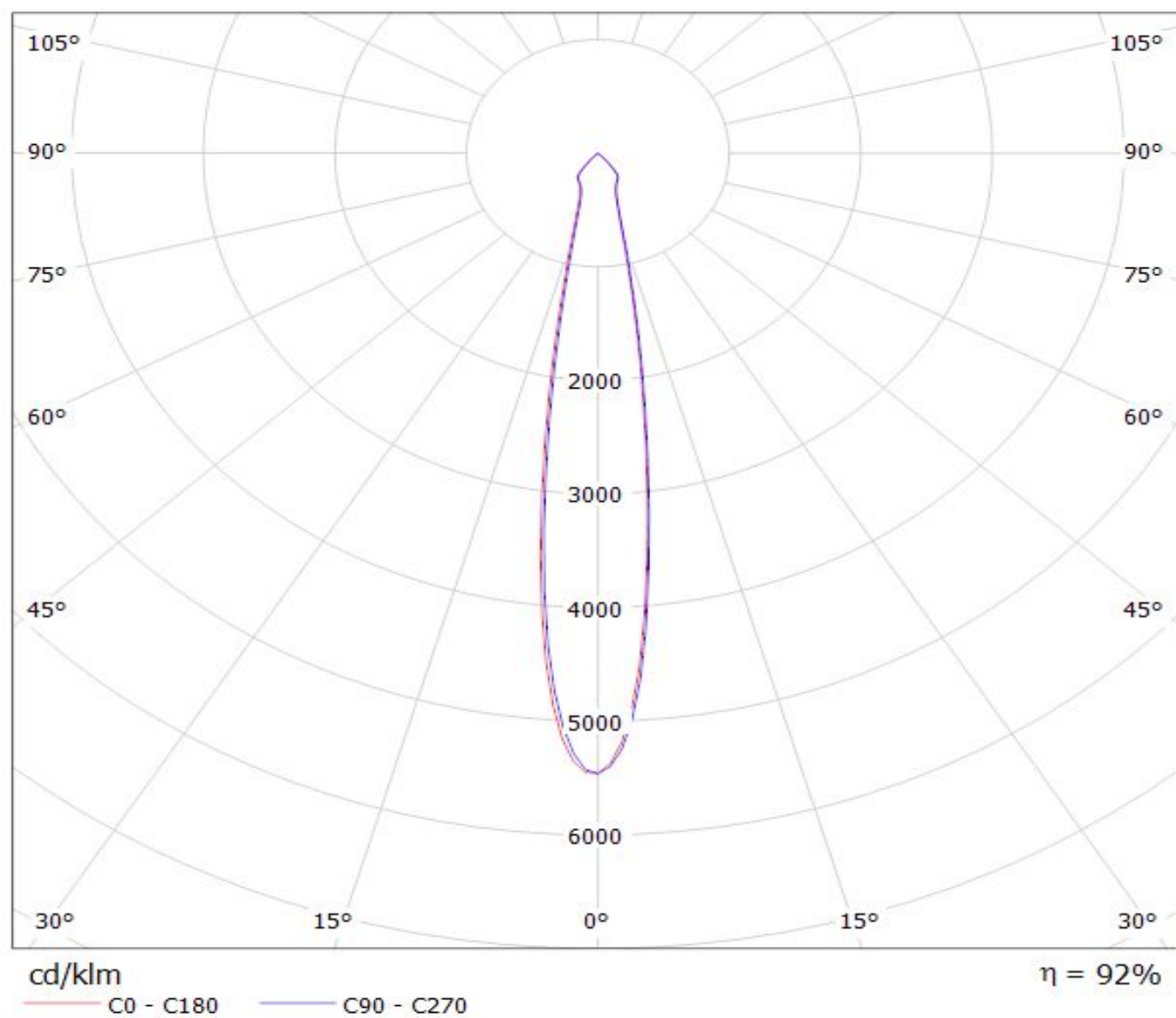
Luminaire: LEDIL OY C12476_MIRELLA-50-S_(MiniZenigata) Eff.91.6%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



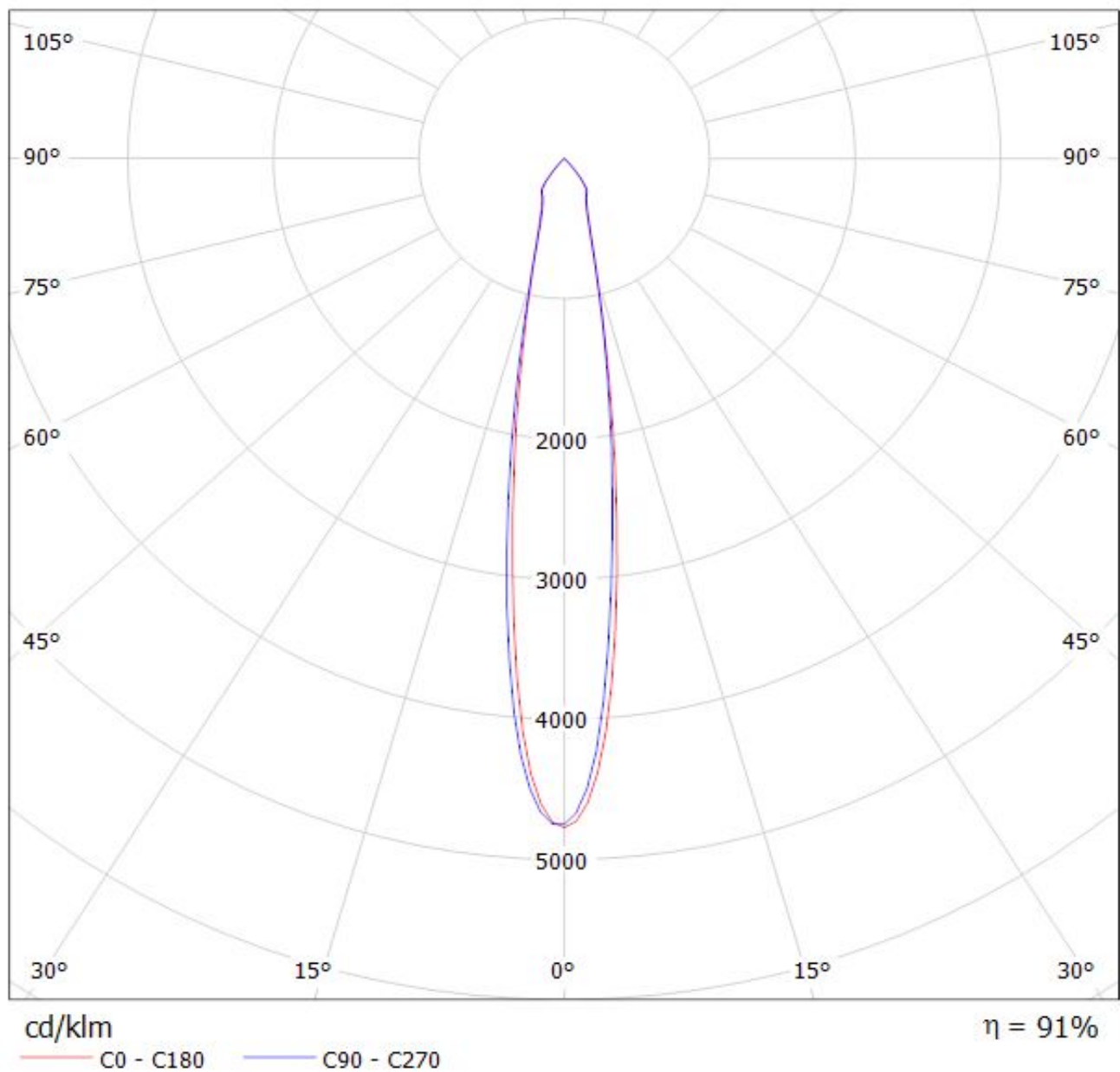
LEDiL Oy C12476_MIRELLA-50-S_(MT-G2) Eff.92.1% / LDC (Polar)

Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(MT-G2) Eff.92.1%

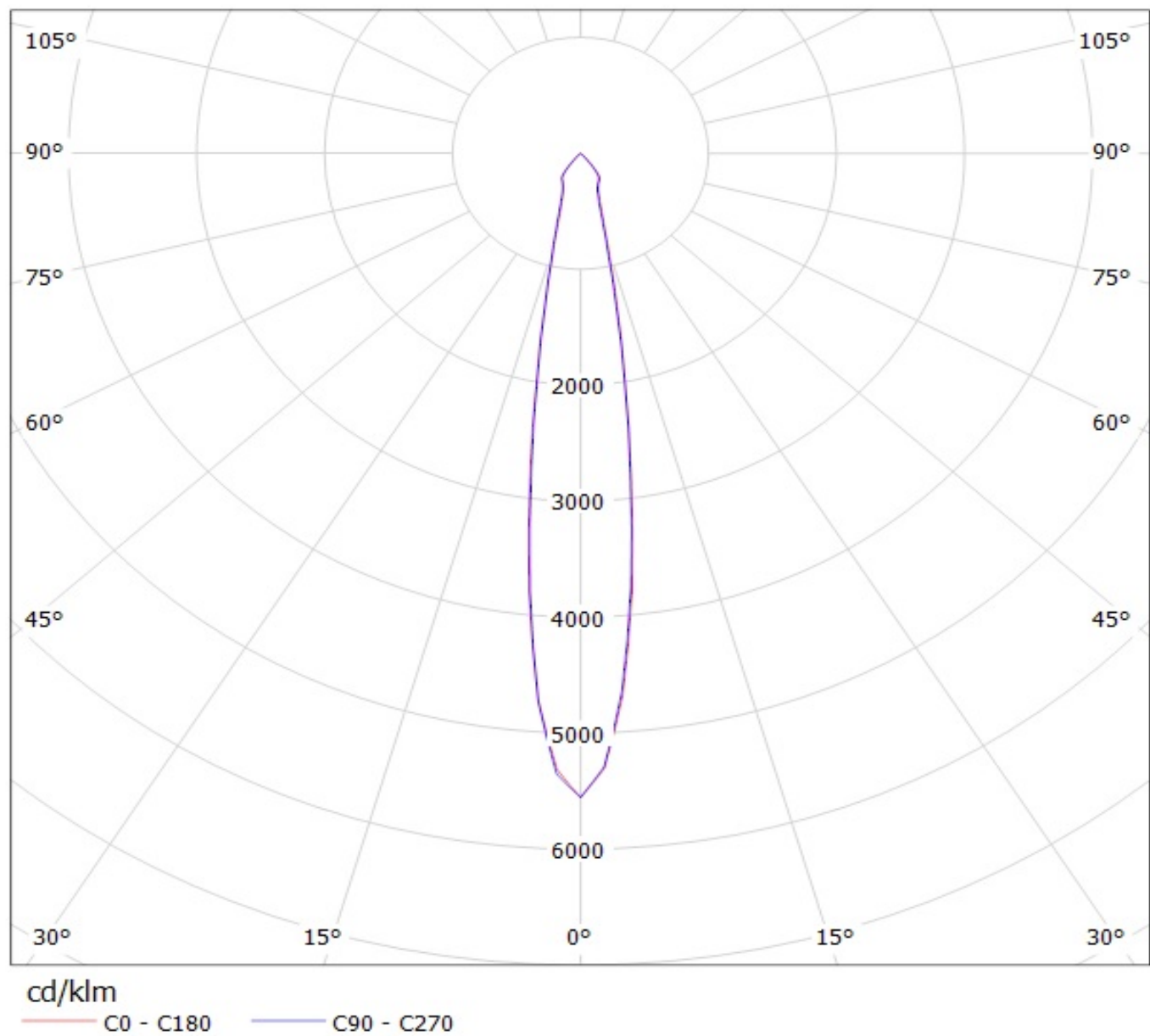
Lamps: 1 x MT-G2 (168lm@250mA)



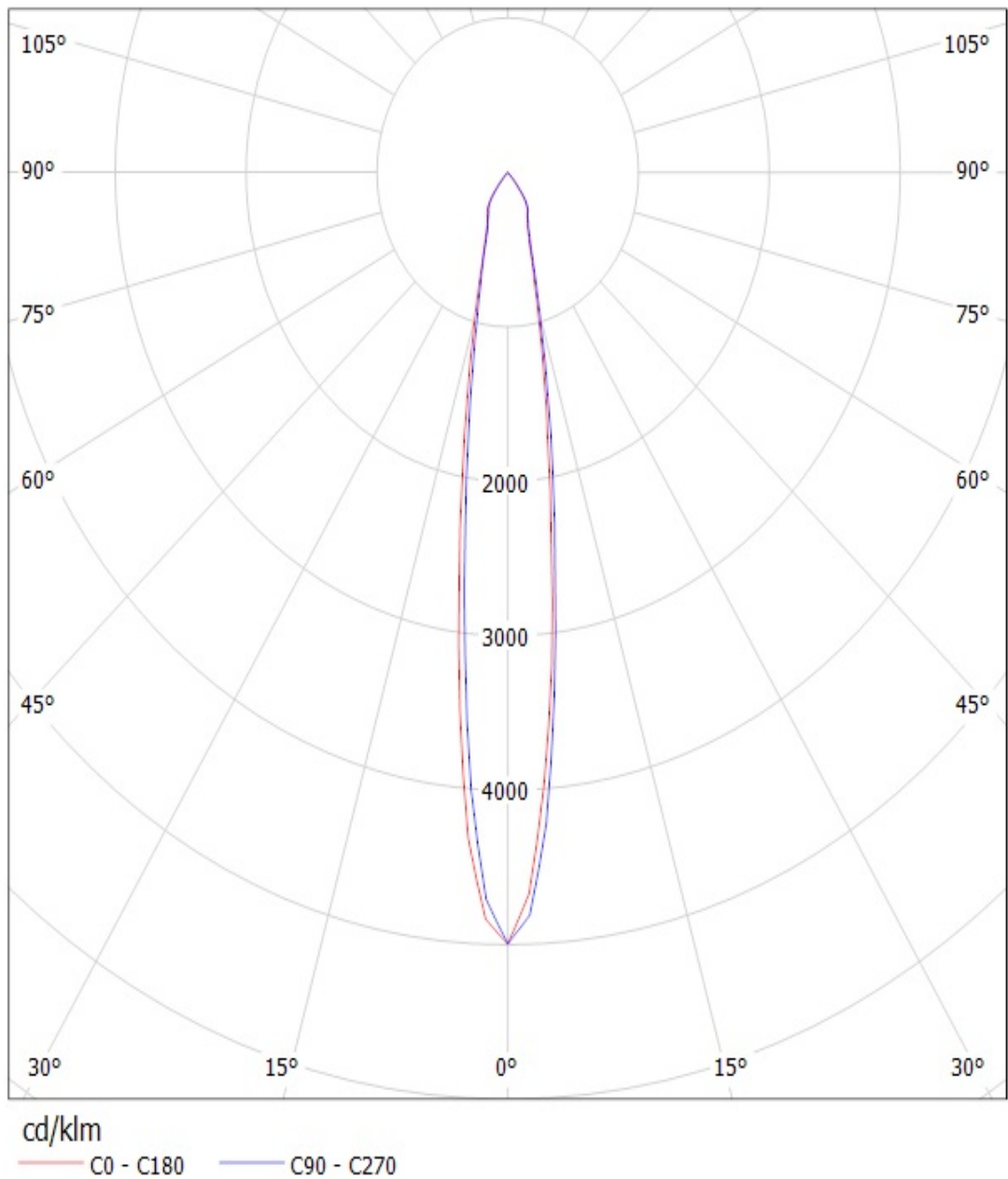
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(Mini_Zenigata) Eff.91.1%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



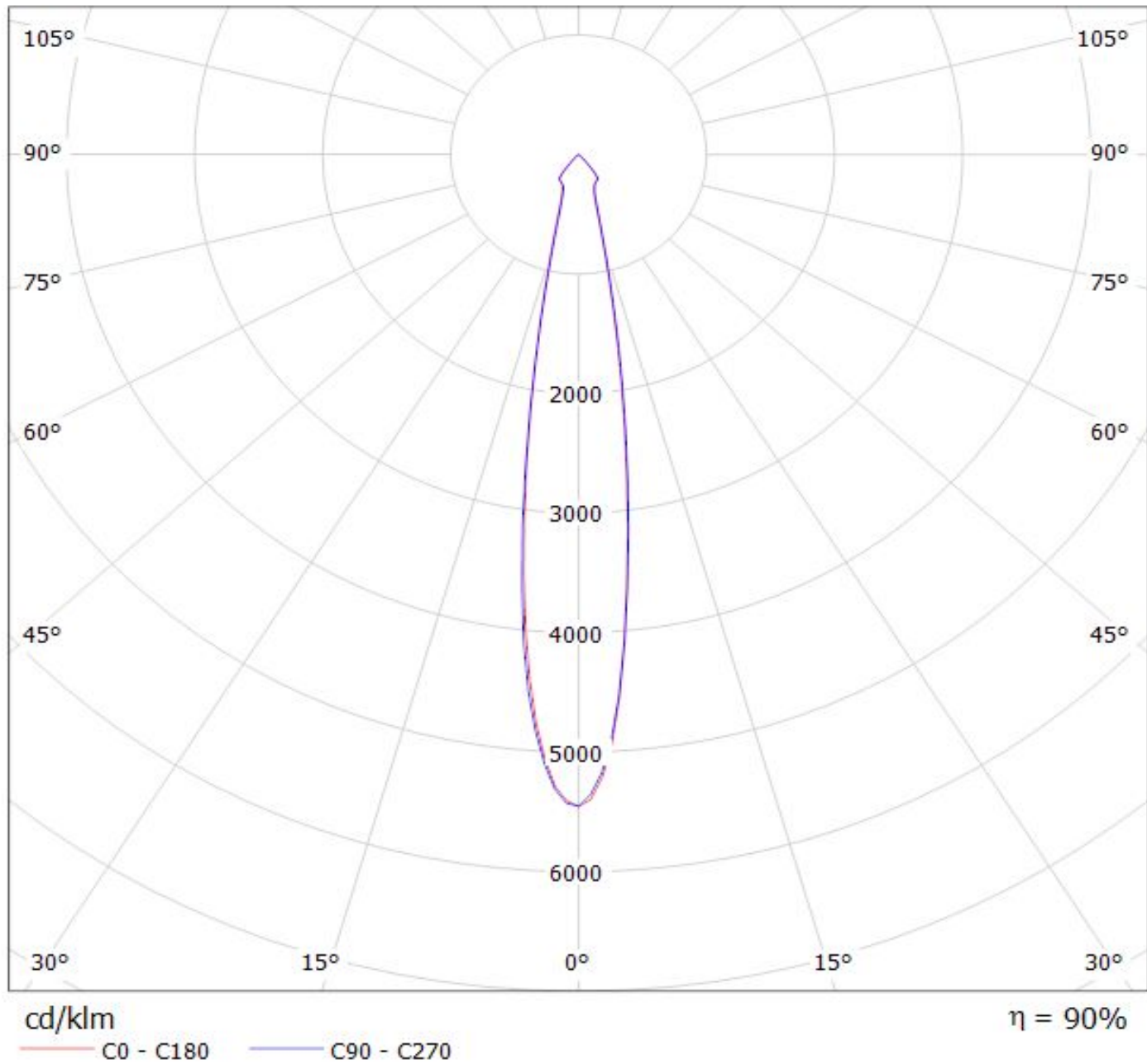
Luminaire: Ledil Oy C12476_MIRELLA-50-S (Nichia NSCXL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCXL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



Luminaire: LEDil Oy C12476_MIRELLA-50-S_(Stark_SLE_G3_LES10) Efficiency=88%
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

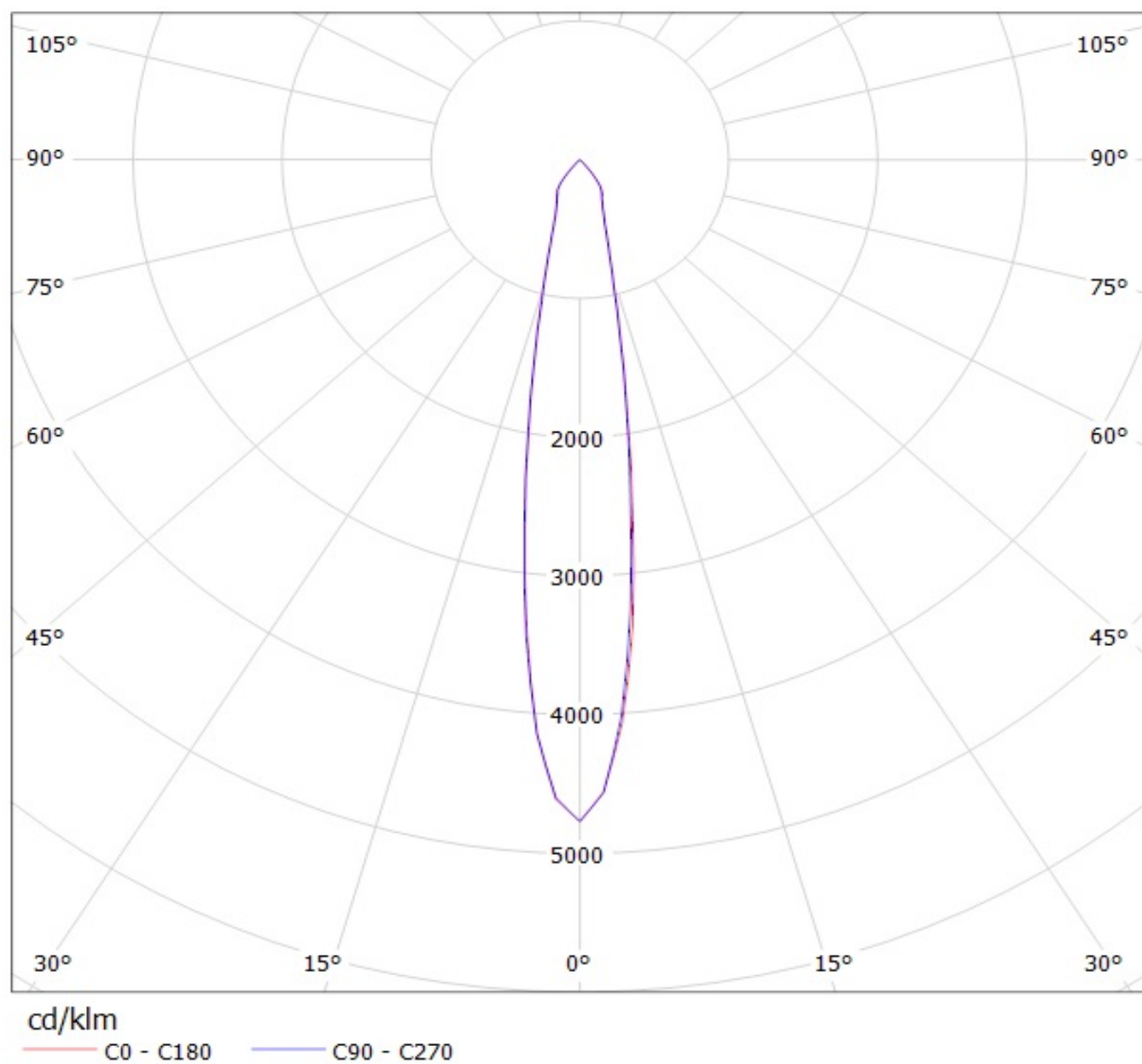


Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.549lm@250mA_P=1.38255W_I=0.2499A

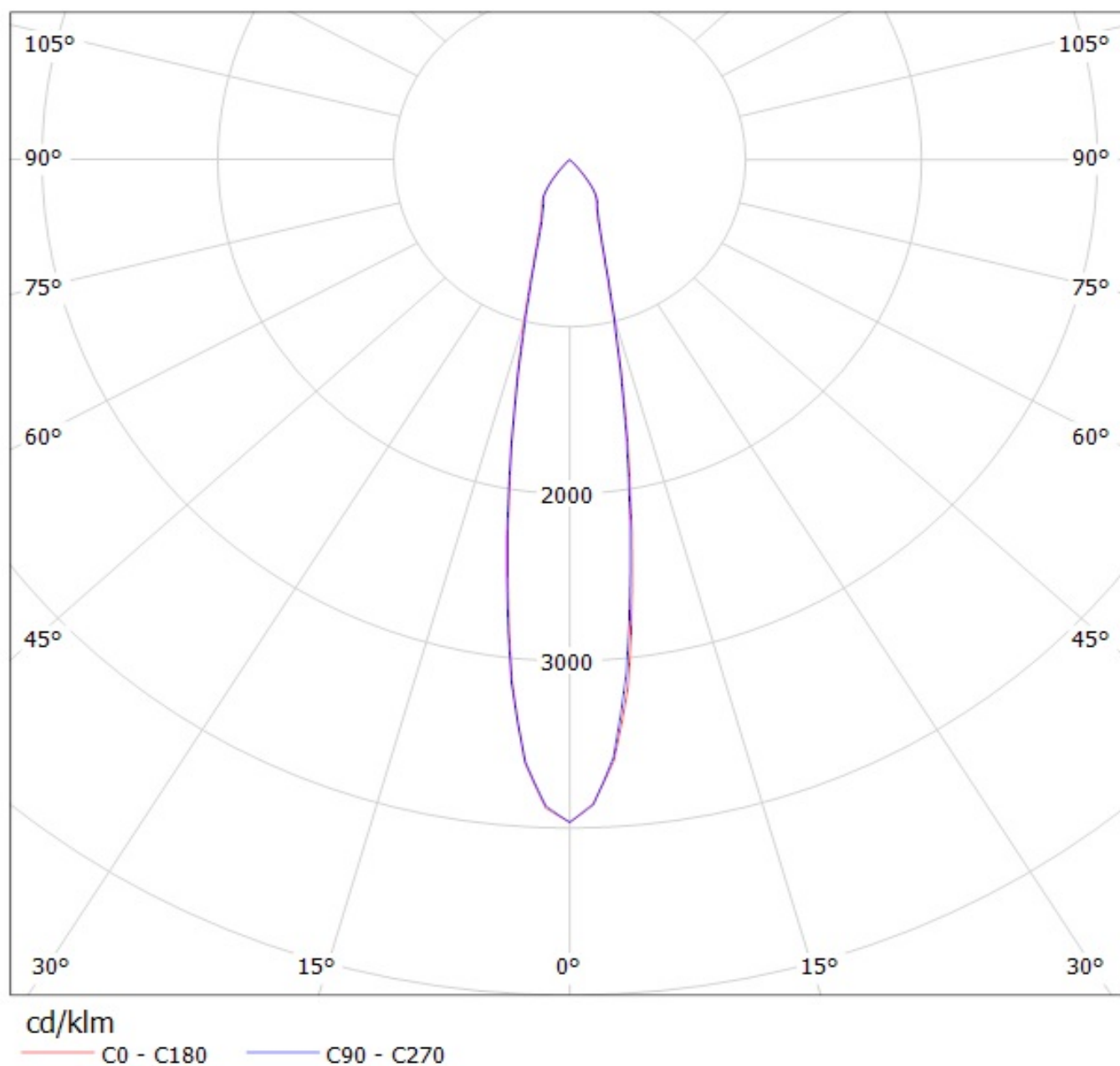


Luminaire: LEDil Oy C12476_MIRELLA-50-S_(ZC6) Efficiency=88%

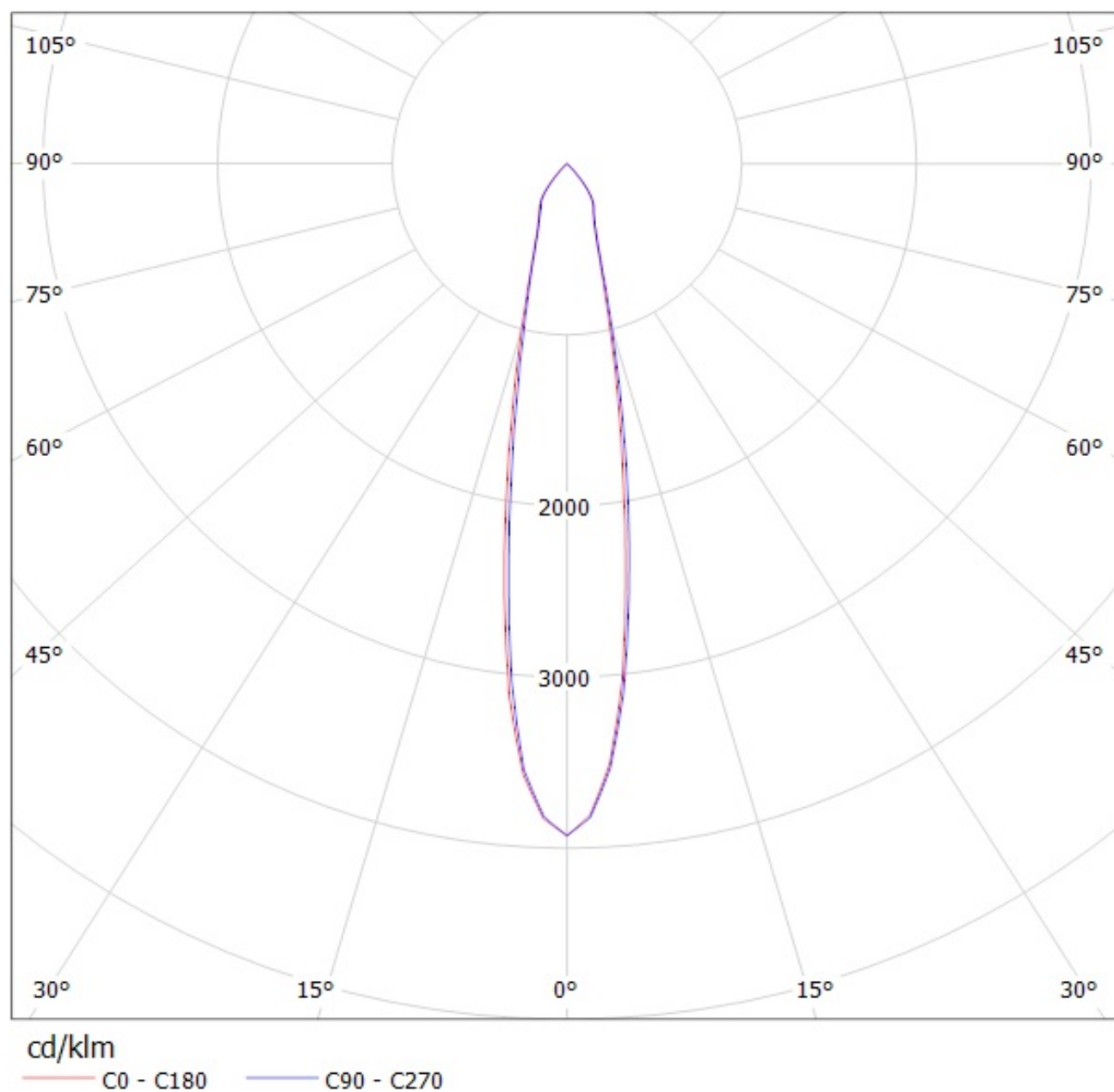
Lamps: 1 x Seoul ZC6 (SDW81F1c) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: Ledil Oy C12476_MIRELLA-50-S (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBL066AE) CCT=3536K P=7,75W I=250mA

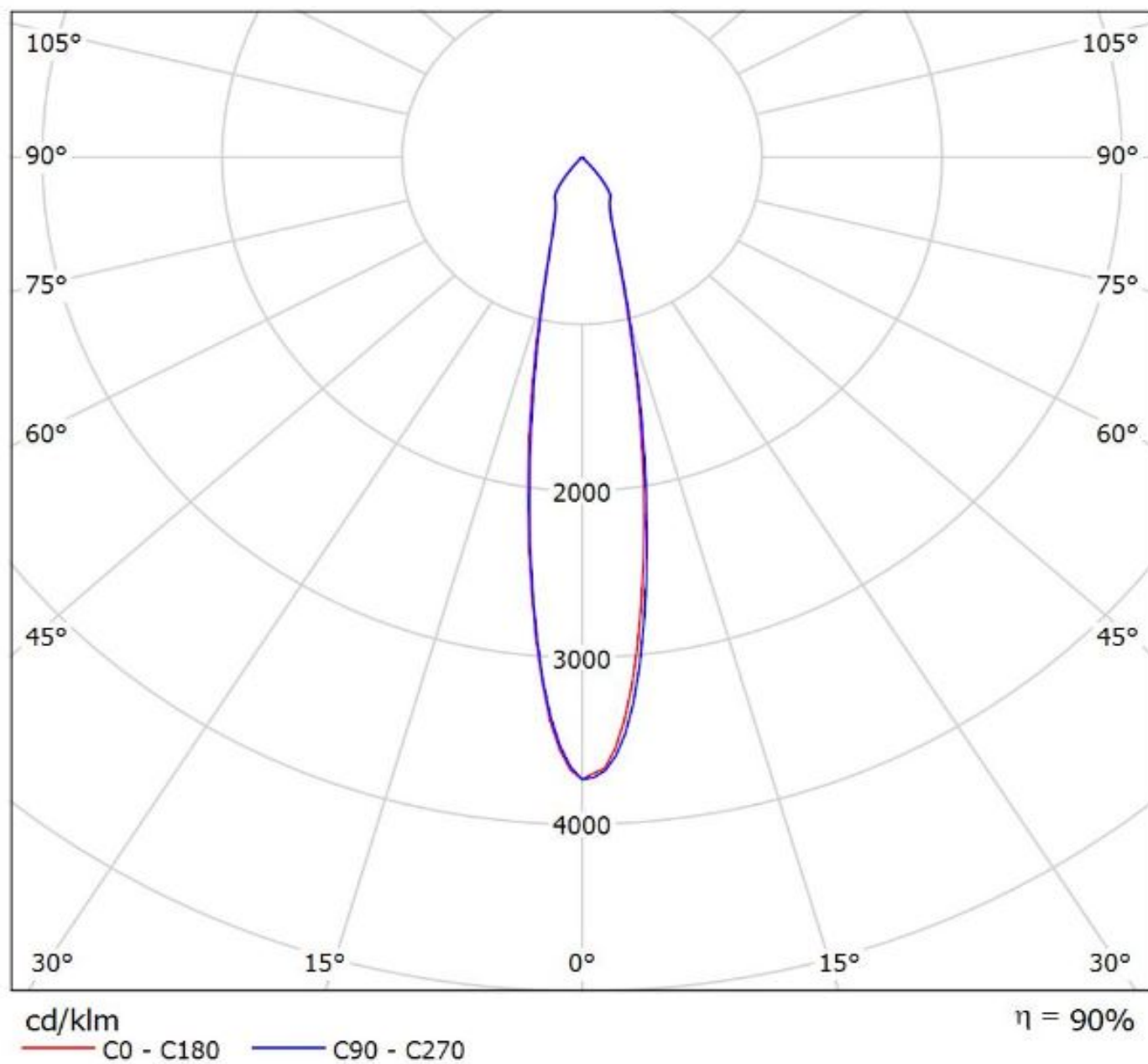


Luminaire: Ledil Oy C12476_MIRELLA-50-S_(Luxeon_CoB_1203) Efficiency= 89%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8,7W I=250mA

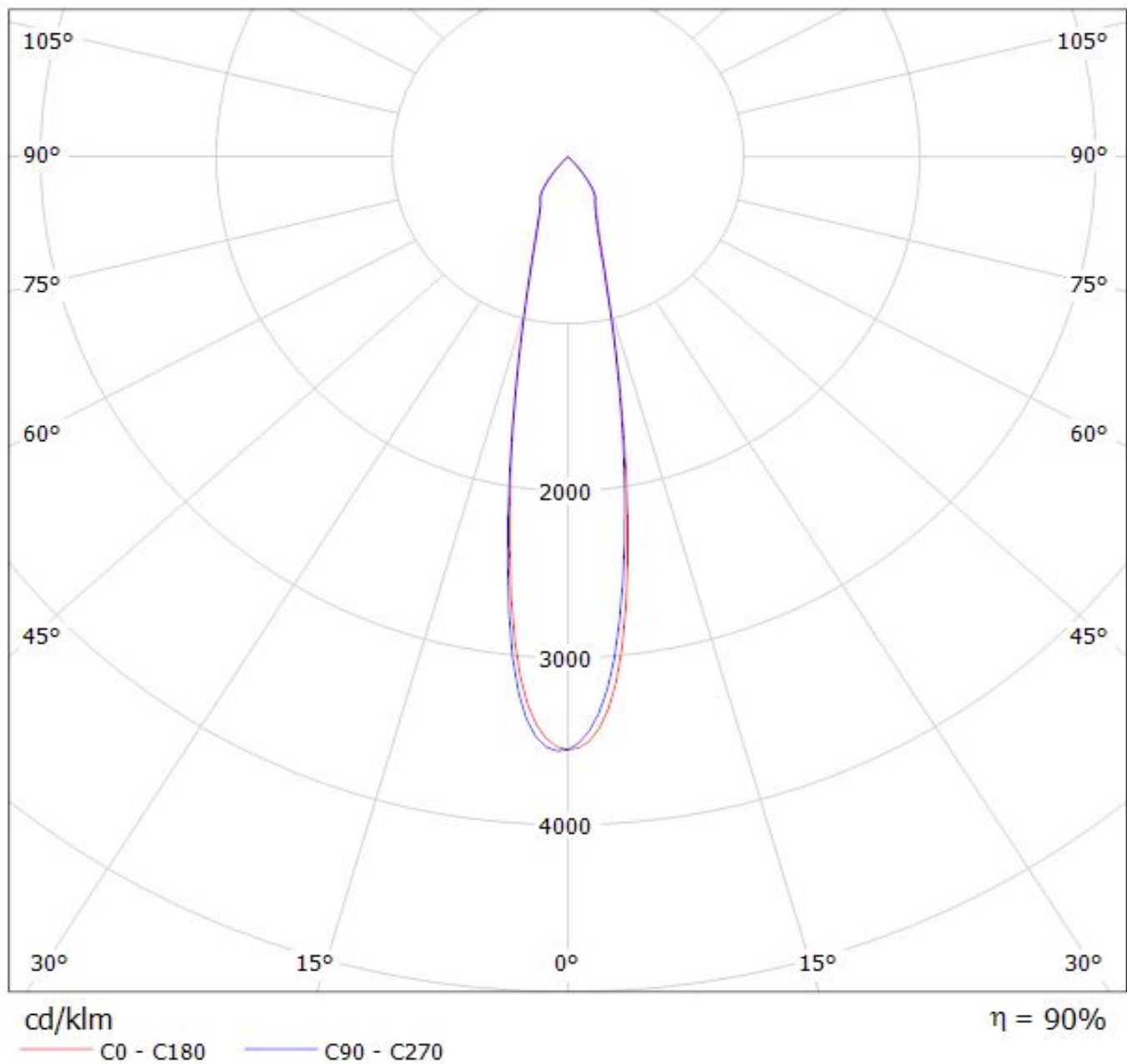


Luminaire: Ledil C12476_MIRELLA-50-S_(CLU710)

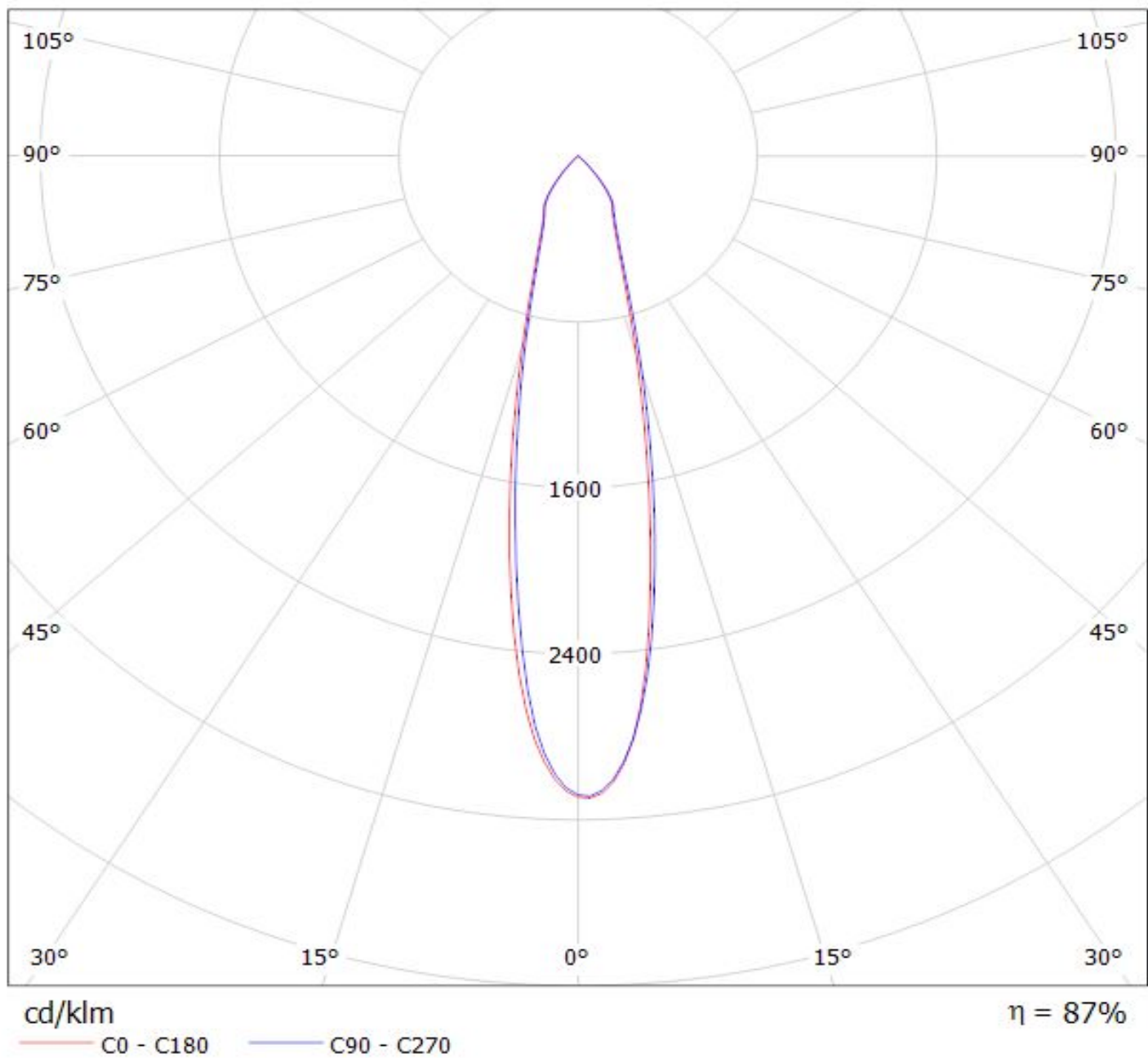
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



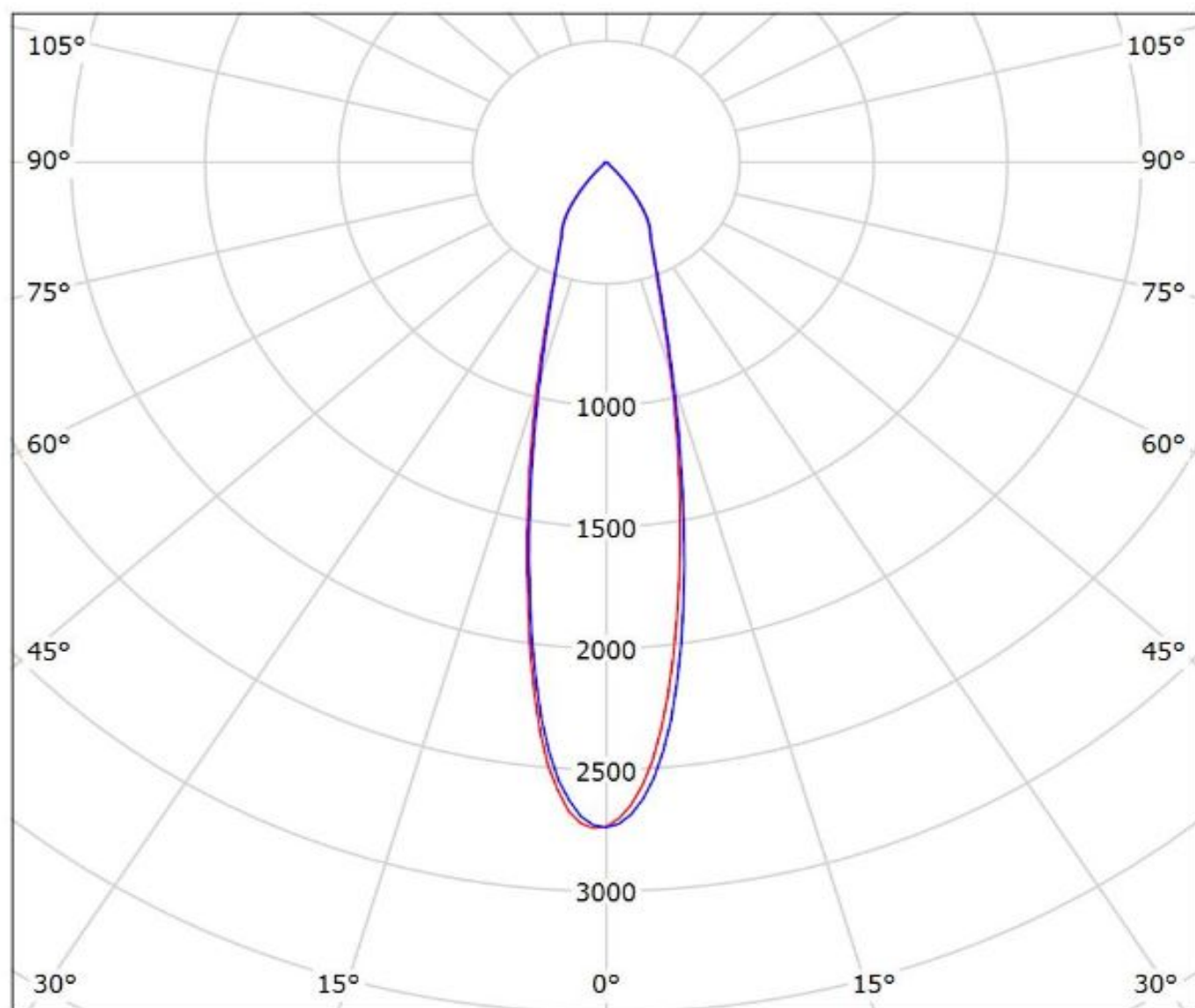
Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_977.302lm@240mA_P=8.28264W_I=240mA



Luminaire: LEDiL Oy C12476_MIRELLA-50-S_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1168.86lm@250mA_P=8.3243W_I=0.250A



Luminaire: Ledil C12476_MIRELLA-50-S_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



cd/klm

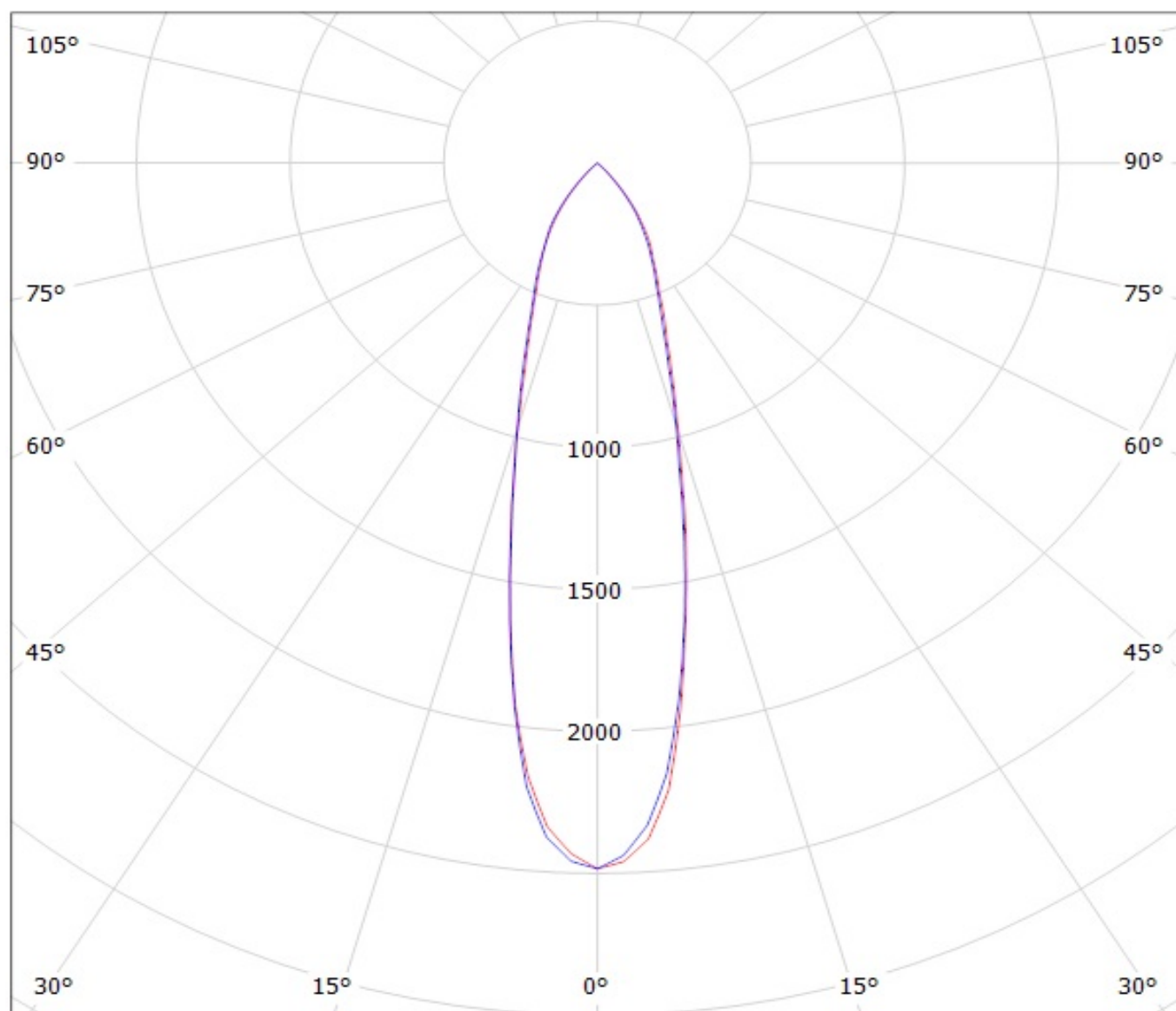
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: LEDil Oy C12476_MIRELLA-50-S_(Soleriq_S13) Efficiency=87%

Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



cd/klm

— 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.
- 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.