PRODUCT DATASHEET
Mirella series
last update 11/2/2015

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 Comliant	Yes
Date Updated	11/02/2015

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
BXRA LS	27 deg	Medium	89 %	2.800	-
CLL01x	29 deg	Medium	-	3.200	-
CLU710/711	26 deg	Medium	90 %	2.600	-
CLU720/721	31 deg	Medium	90 %	2.000	-
CLU700/701	22 deg	Medium	90 %	3.500	-
CLL02x/CLU02x (LES10)	30 deg	Medium	88 %	2.370	-
MT-G	31 deg	Medium	91 %	2.122	-
MT-G2	30 deg	Medium	90 %	2.300	-
CXA/B 15xx	28 deg	Medium	92 %	2.500	-
CXA/B 13xx	20 deg	Medium	85 %	3.700	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	34 deg	Medium	88 %	2.000	-
XHP50	25 deg	Medium	91 %	2.600	-
XHP70	30 deg	Medium	91 %	2.300	-
MHD-E/G	30 deg	Medium	93 %	2.100	-
COB 4W	23 deg	Medium	90 %	3.600	-
LUXEON S1000	22 deg	Medium	-	-	-
LUXEON CoB 1202/1203	29 deg	Medium	89 %	2.400	-
CXM-9	29 deg	Medium	90 %	2.300	-
COB L-Type (LES 9)	29 deg	Medium	90 %	2.400	-
NSCxL036A	26 deg	Medium	88 %	2.800	-
NFMW48xA	21 deg	Medium	82 %	3.300	-
Soleriq S13	35 deg	Medium	87 %	1.800	-
Duris S10	24 deg	Medium	88 %	3.300	-
Duris P10	sim: 25	Medium	sim: 91 %	sim: 3.000	-
Soleriq S9	sim: 31	Medium	sim: 91 %	sim: 2.300	-

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24240 SALO, Finland

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FAX: +358-2-733 8001

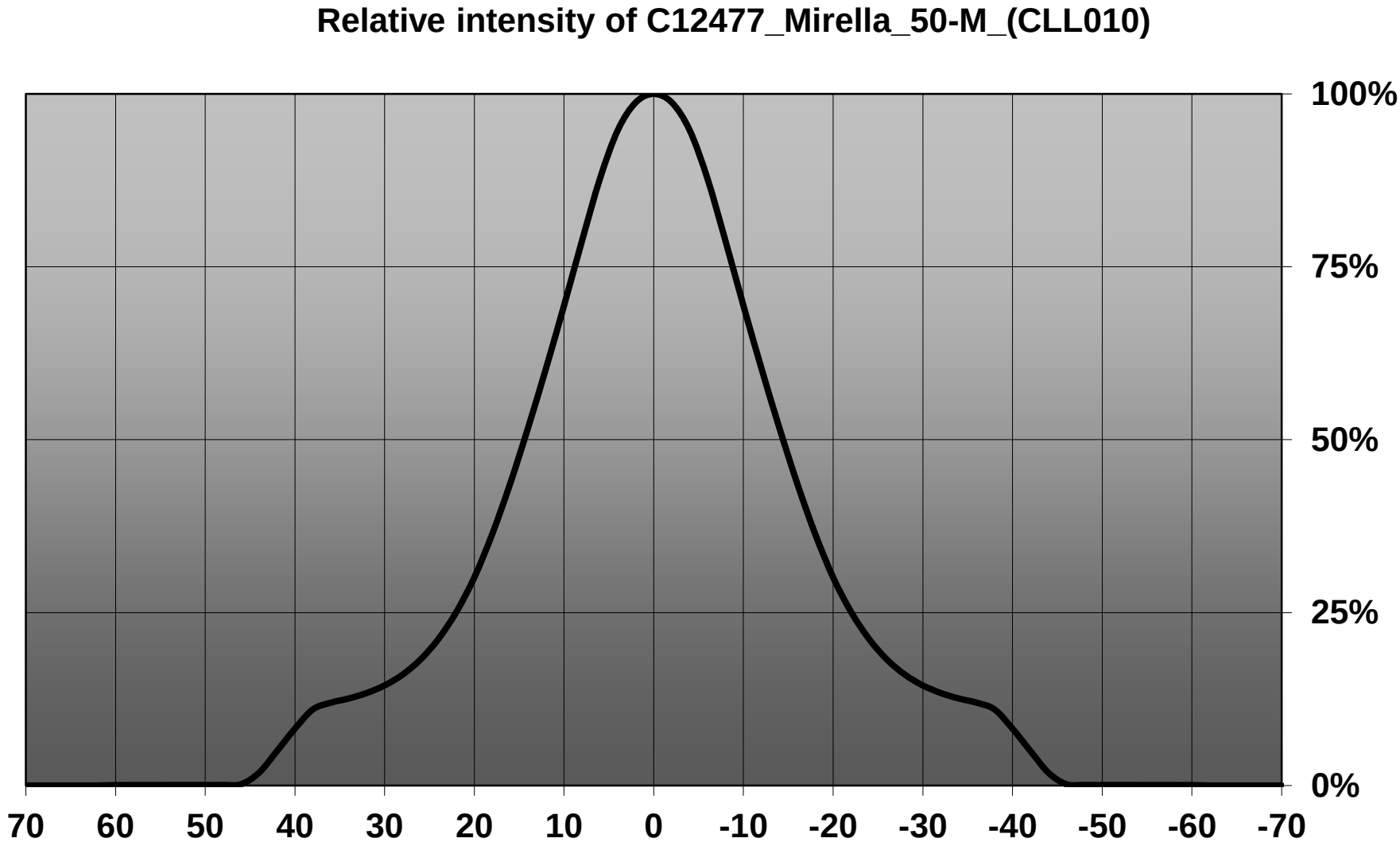
PRODUCT DATASHEET
Mirella series
last update 11/2/2015

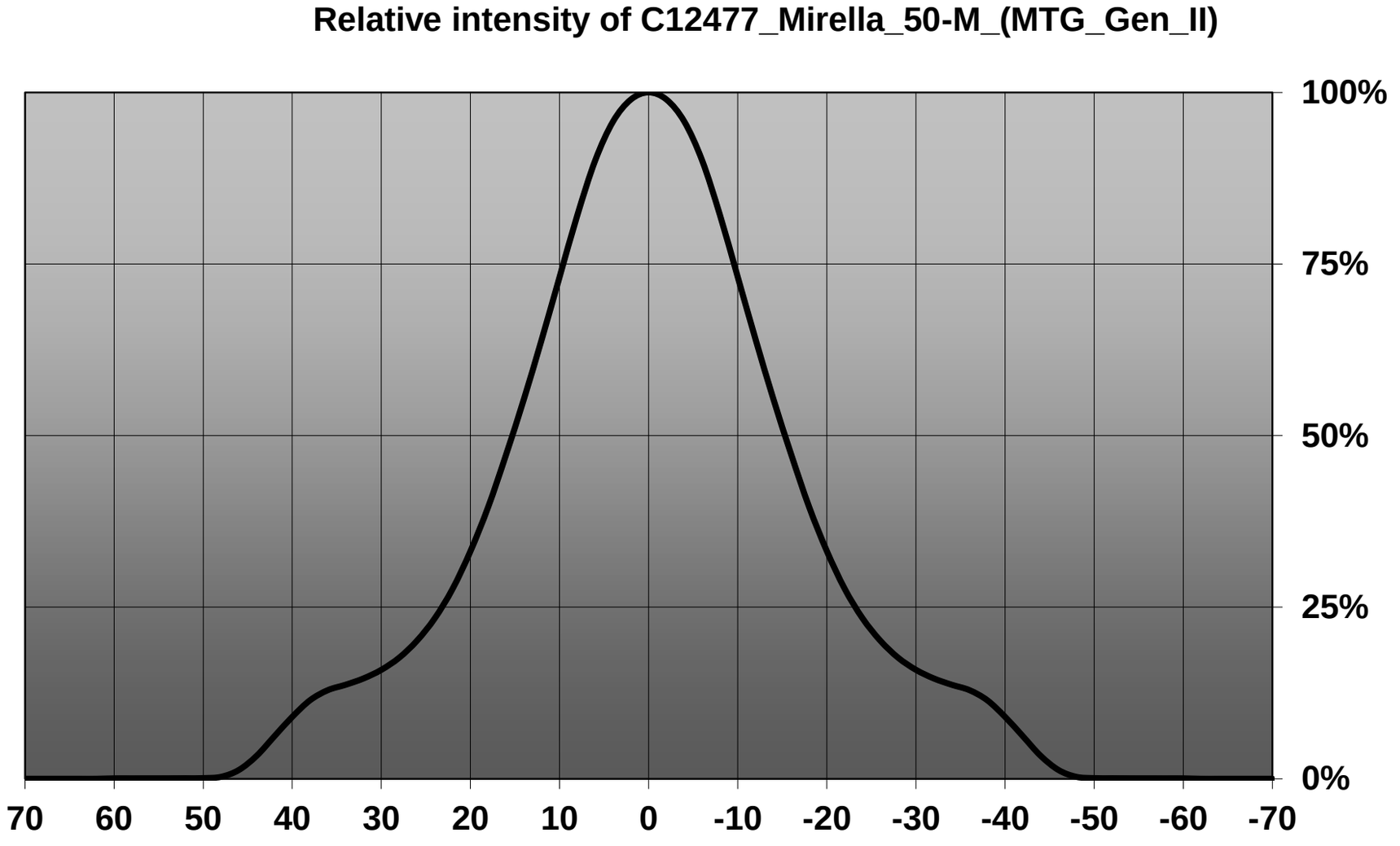
OPTICAL PROPERTIES

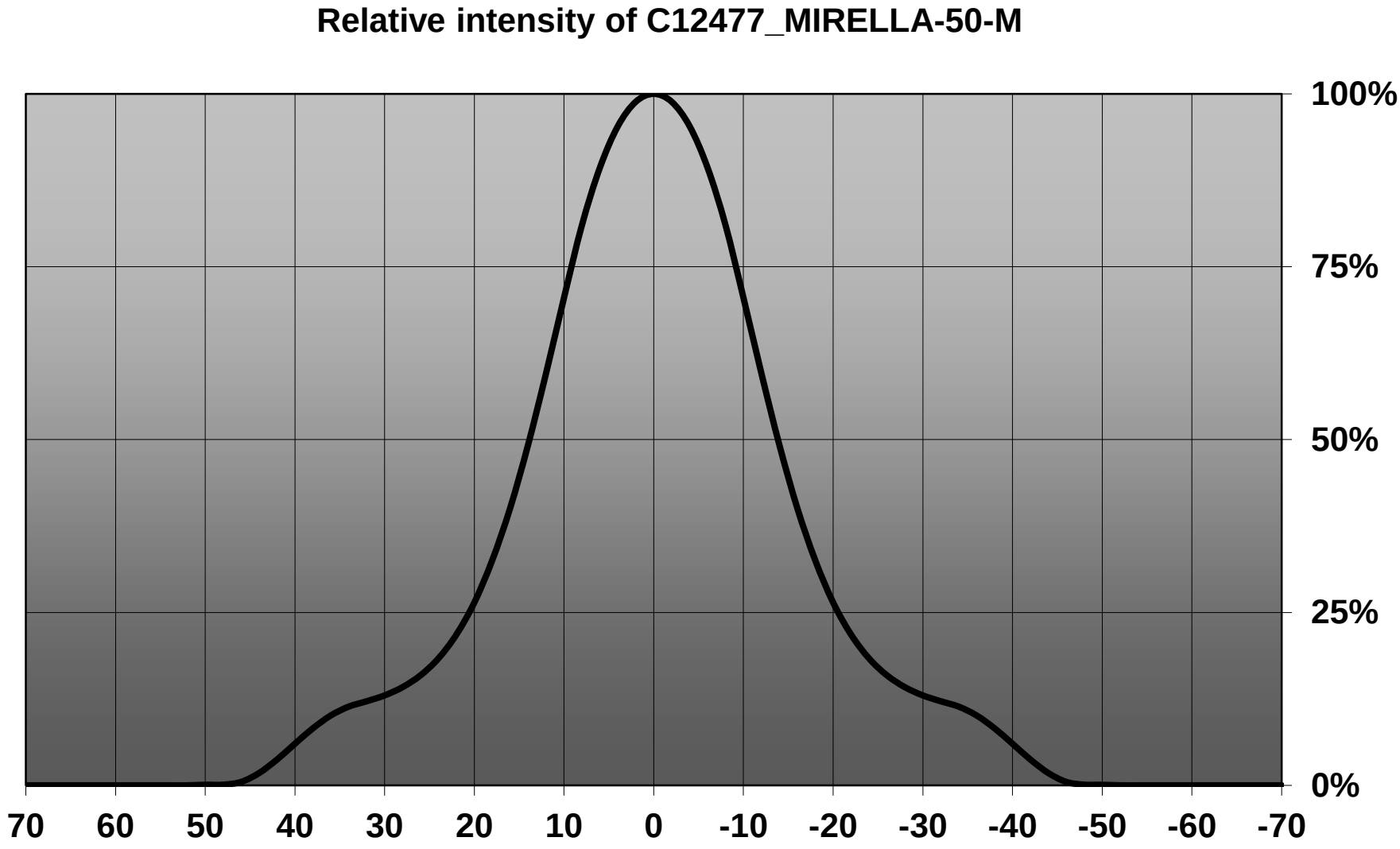
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
Soleriq P9	19 deg	Medium	86 %	3.400	Bender Wirth: 461 Typ L1
ZC4/6	26 deg	Medium	87 %	2.800	-
Mini Zenigata (GW5BM)	29 deg	Medium	90 %	2.700	-
Mini Zenigata (GW6BM)	25 deg	Medium	90 %	2.700	-
STARK SLE PURE G3 LES10	26 deg	Medium	86 %	2.700	-
SLE G5 LES6	21 deg	Medium	89 %	3.560	-
SLE G5 LES11	30 deg	Medium	89 %	2.210	-

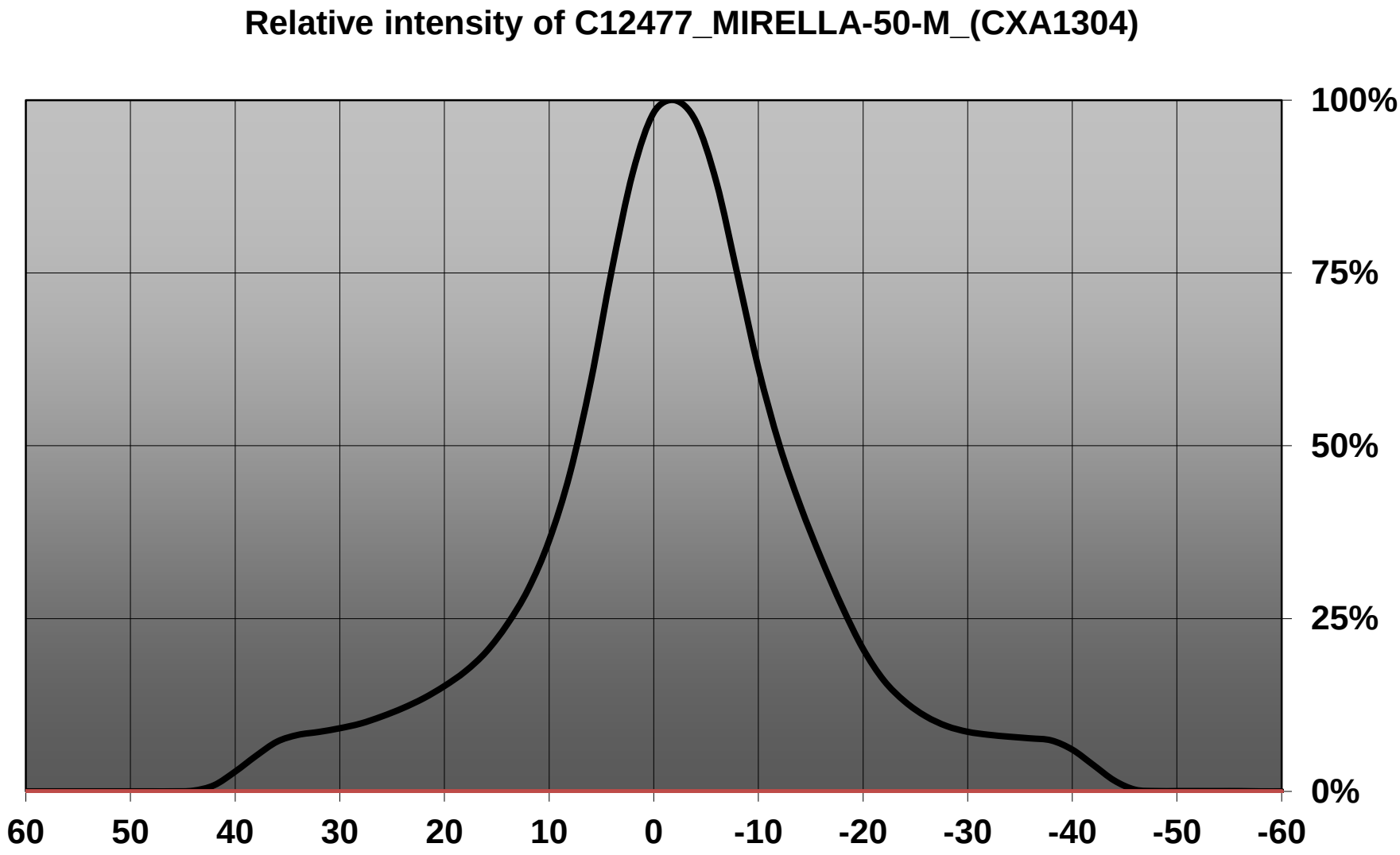
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Salorankatu 10
24240 SALO, Finland

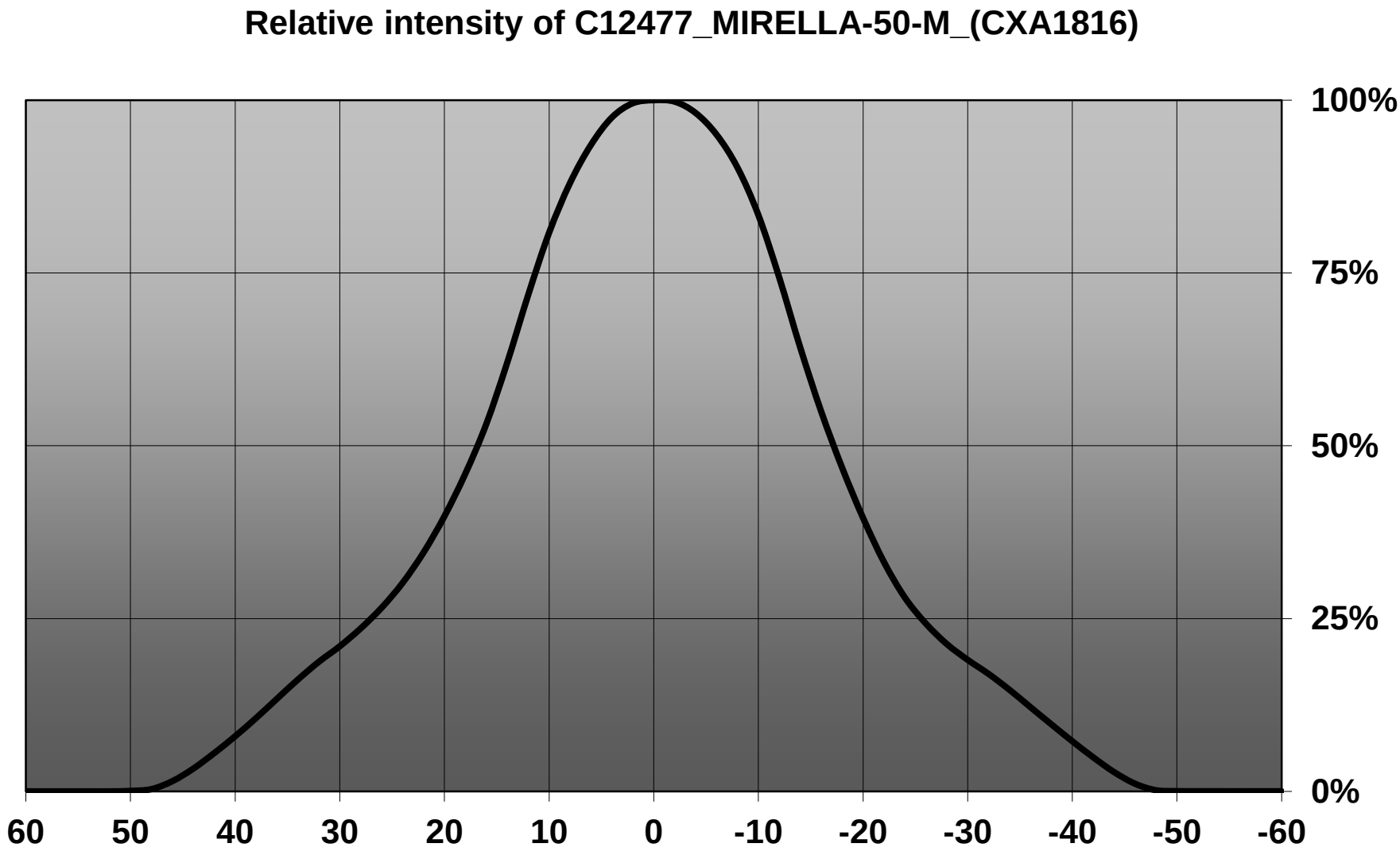
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

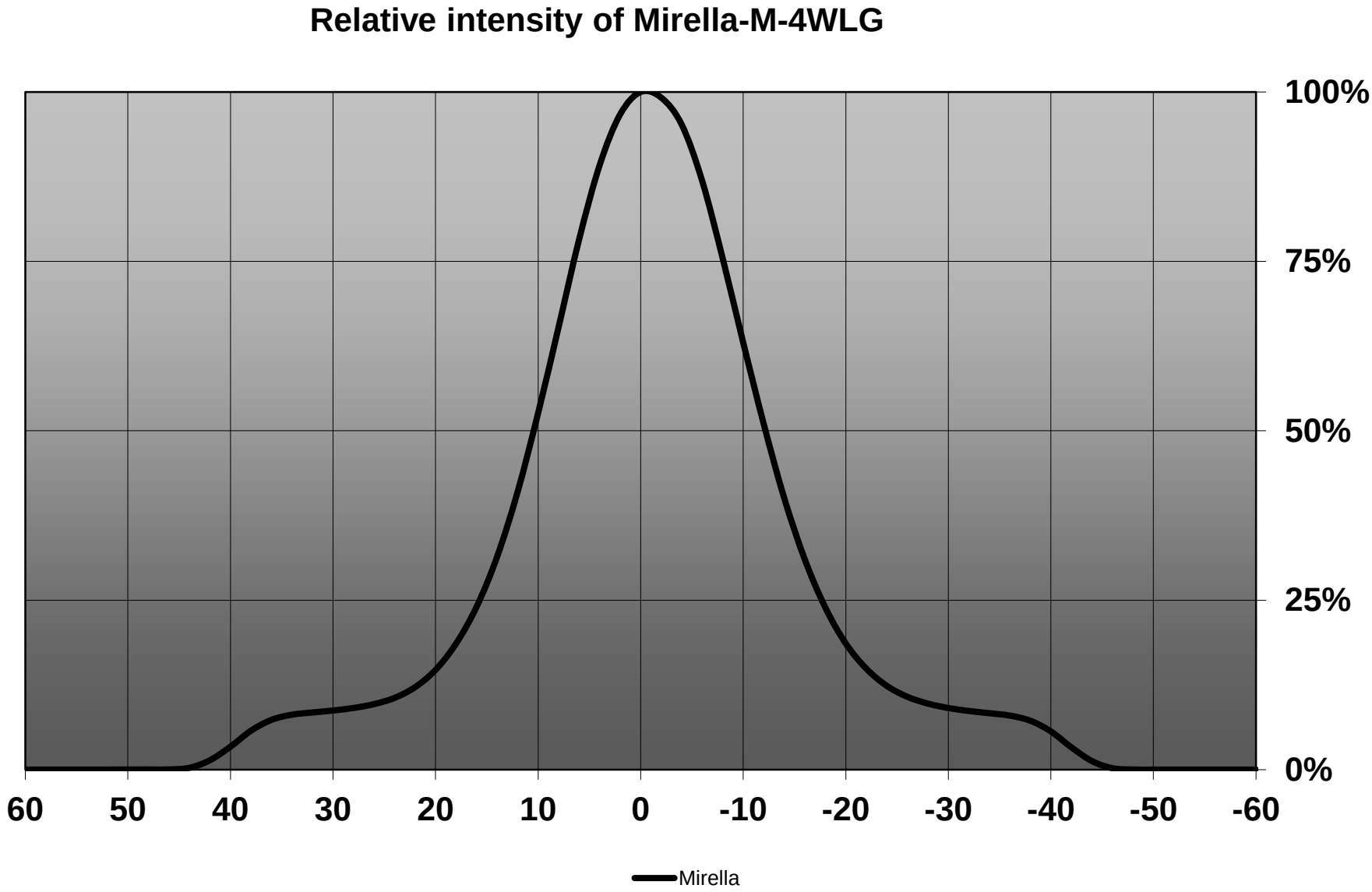

Relative intensity of C12477_Mirella_50-M_(CLL010)
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

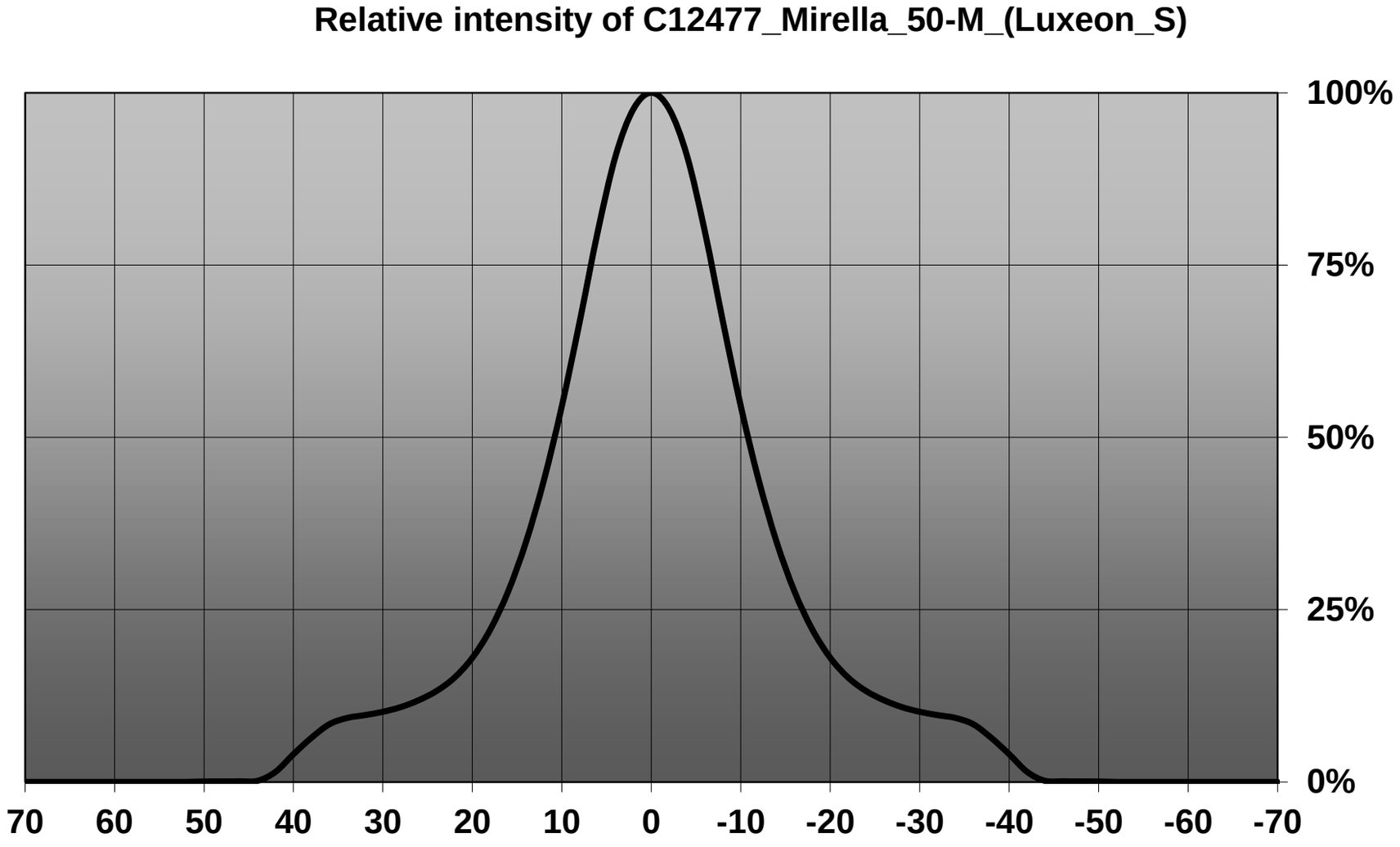

Relative intensity of C12477_Mirella_50-M_(MTG_Gen_II)
100%
75%
50%
25%
0%
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60
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40
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20
10
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-10
-20
-30
-40
-50
-60
-70

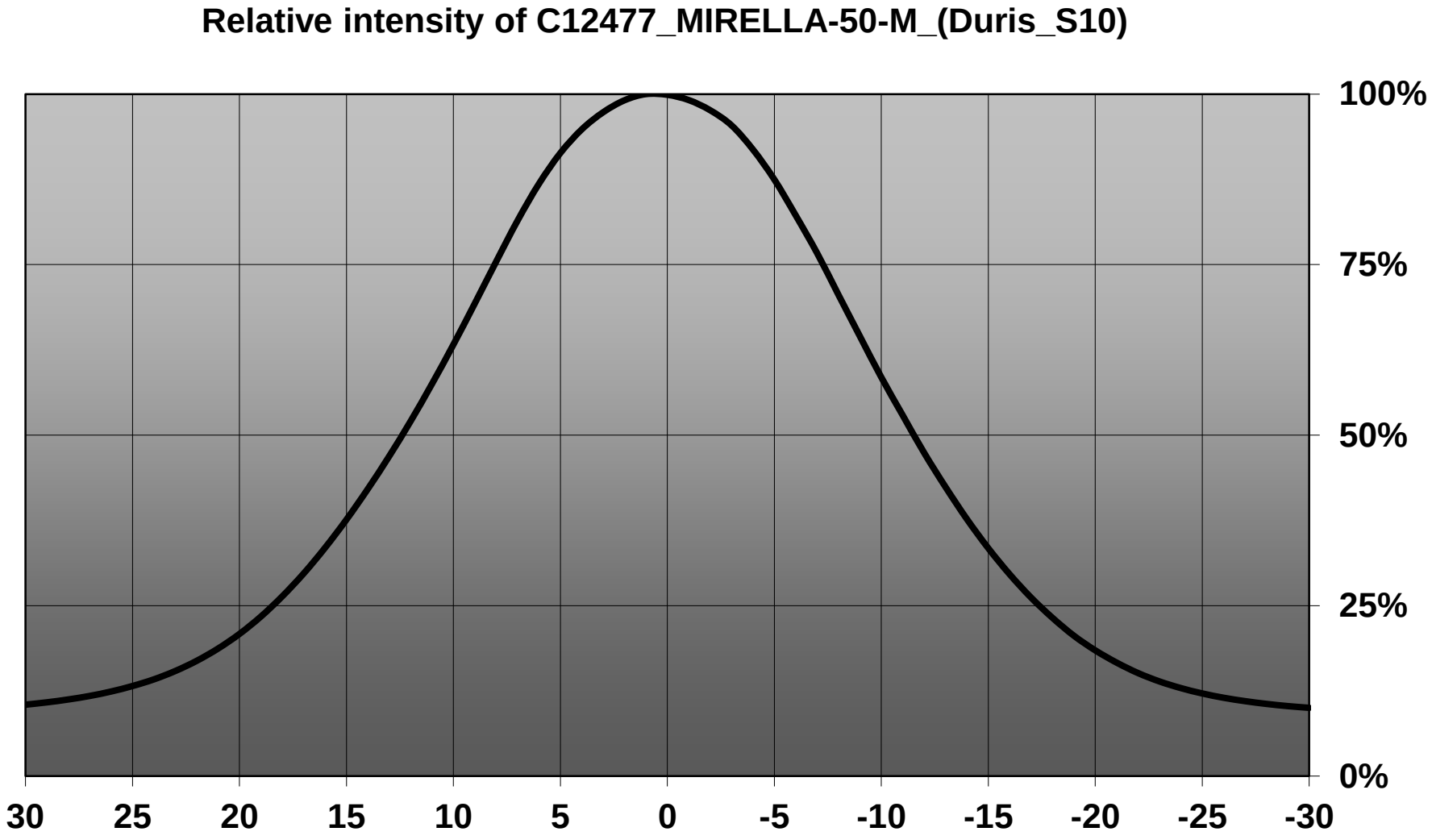

Relative intensity of C12477_MIRELLA-50-M
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50%
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-10
-20
-30
-40
-50
-60
-70

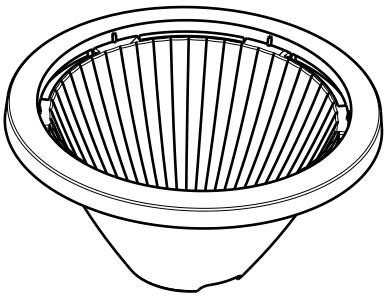

Relative intensity of C12477_MIRELLA-50-M_(CXA1304)
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-60

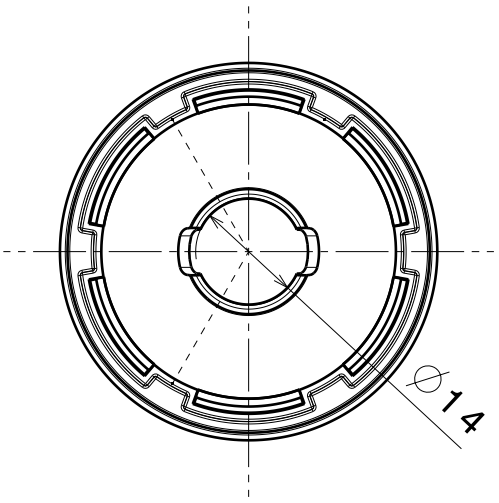

Relative intensity of C12477_MIRELLA-50-M_(CXA1816)
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-30
-40
-50
-60

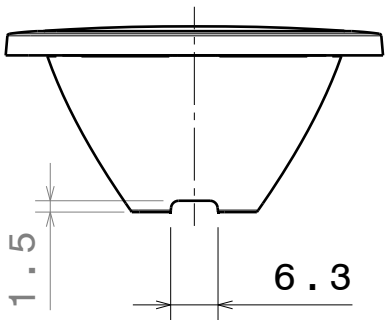

Relative intensity of Mirella-M-4WLG
100%
75%
50%
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50
40
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20
10
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-10
-20
-30
-40
-50
-60
Mirella

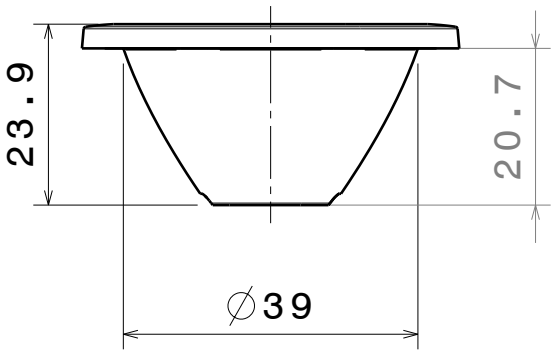

Relative intensity of C12477_Mirella_50-M_(Luxeon_S)
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75%
50%
25%
0%
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60
50
40
30
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10
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-10
-20
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-40
-50
-60
-70

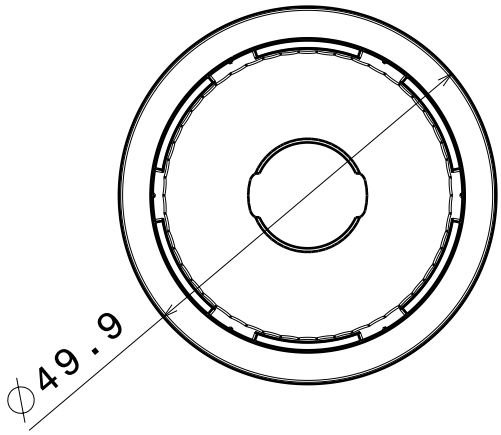

Relative intensity of C12477_MIRELLA-50-M_(Duris_S10)
100%
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0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30











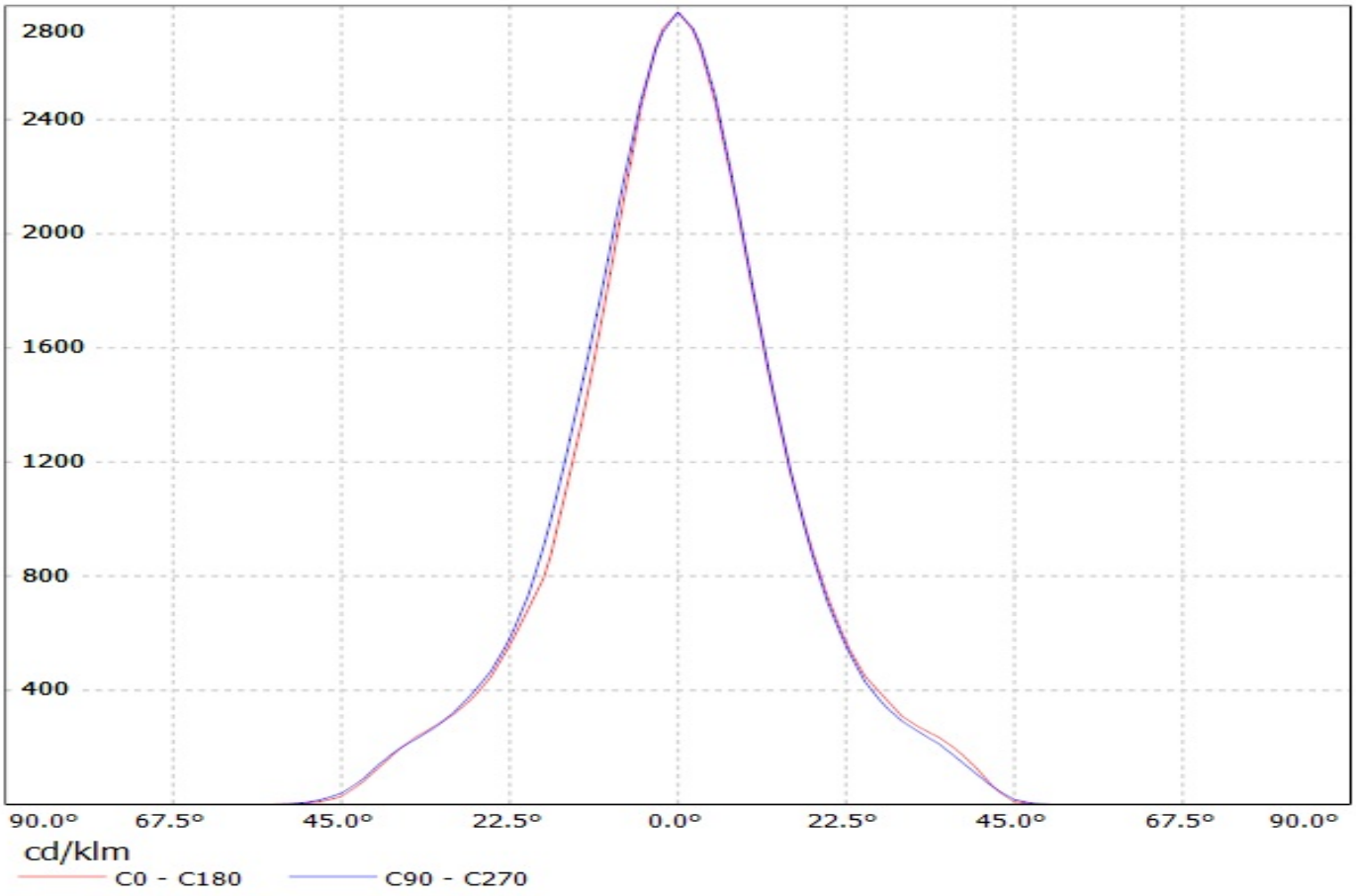
Material: PC, metal plated

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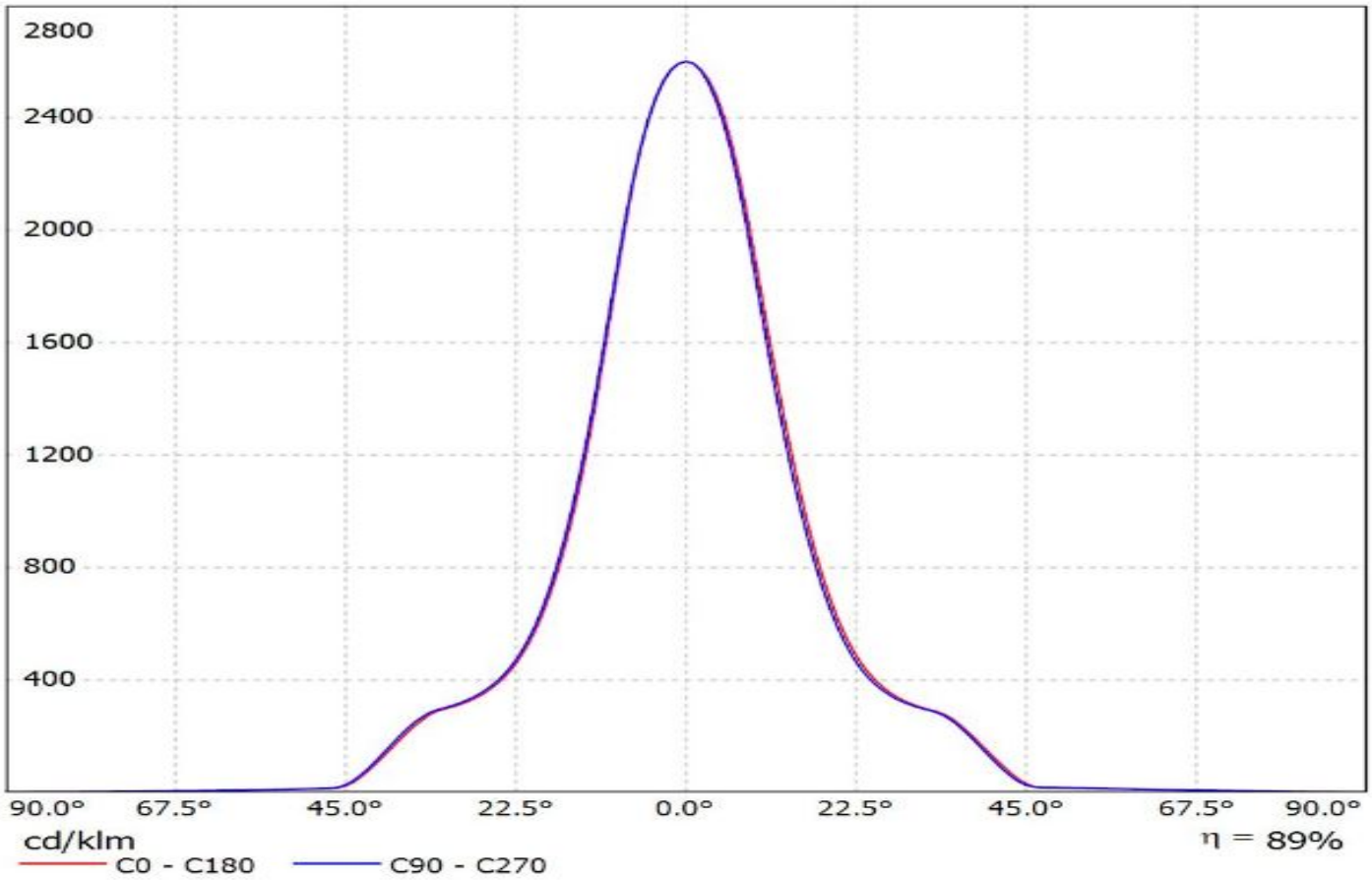
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Salorankatu 10
FIN-24240 SALO
Finland

DRAWN BY: pl	DATE: 25.11.2011	DRAWING TITLE: Datasheet Mirella reflector		
CHECKED BY	DATE	SIZE: A4	DRAWING NUMBER	REV: 1
DESIGNED BY: pl	DATE: 25.11.2011	SCALE: 1:1	WEIGHT(g)	SHEET: 1/1

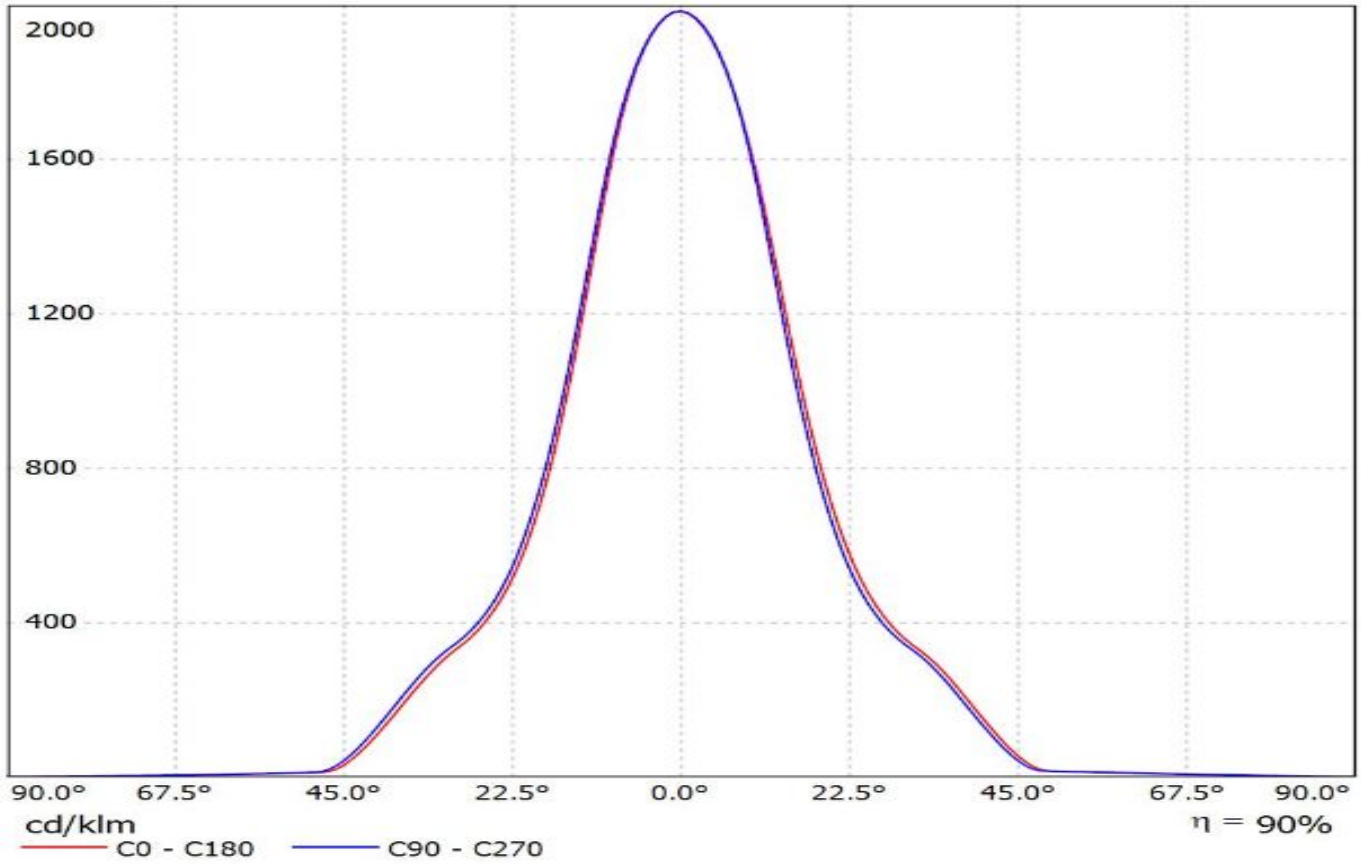
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



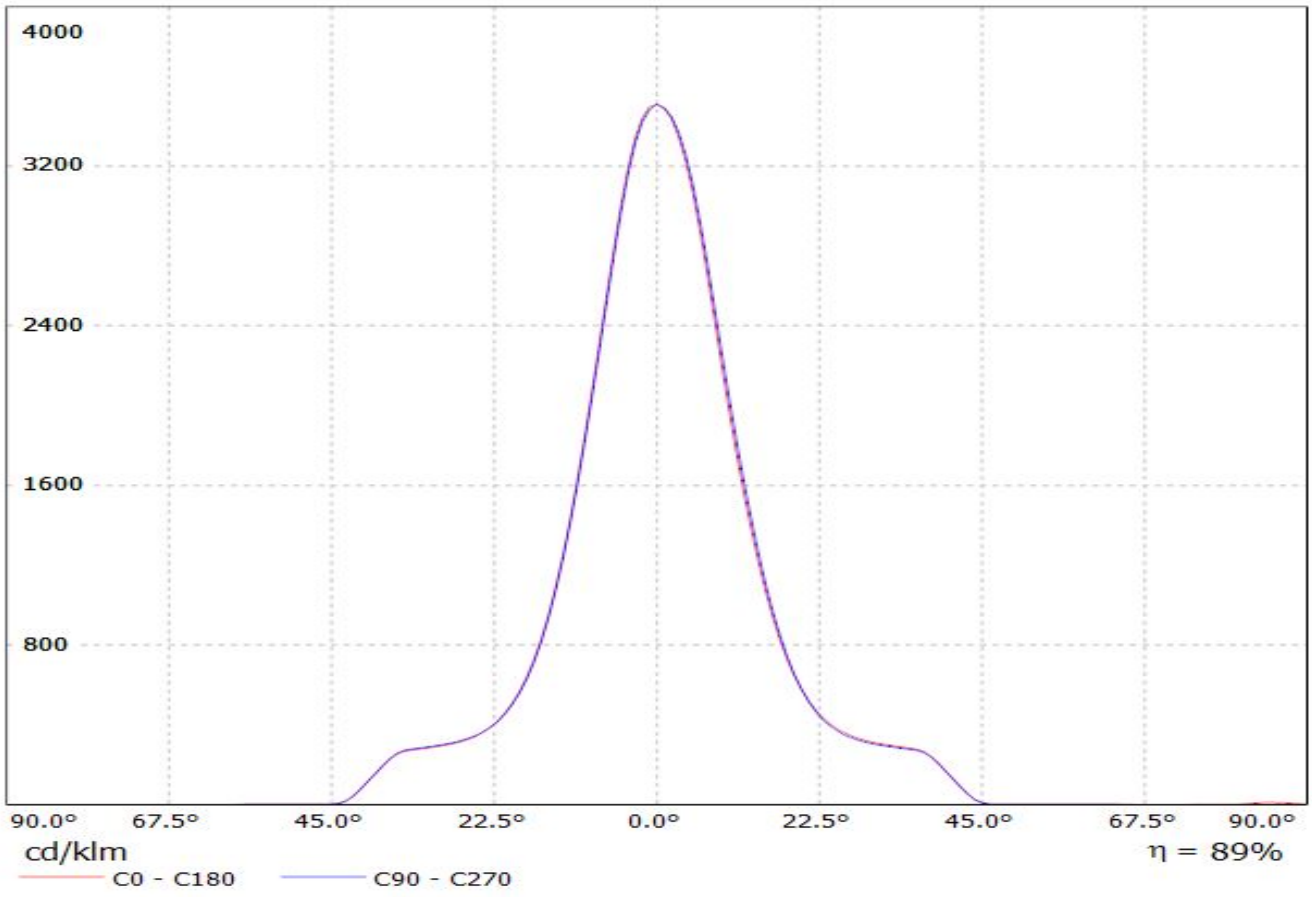
Luminaire: Ledil C12477_MIRELLA-50-M_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



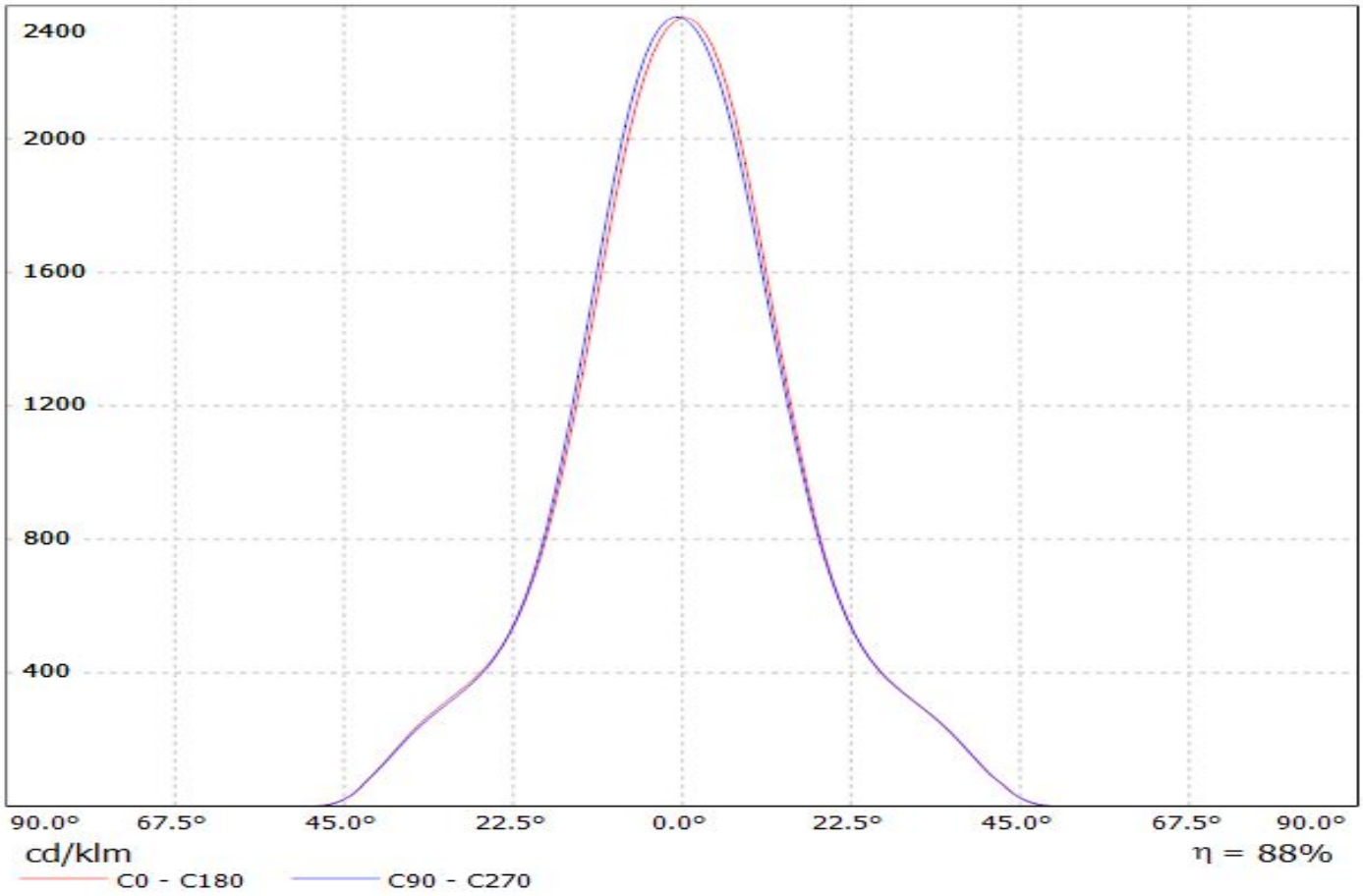
Luminaire: Ledil C12477_MIRELLA-50-M_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



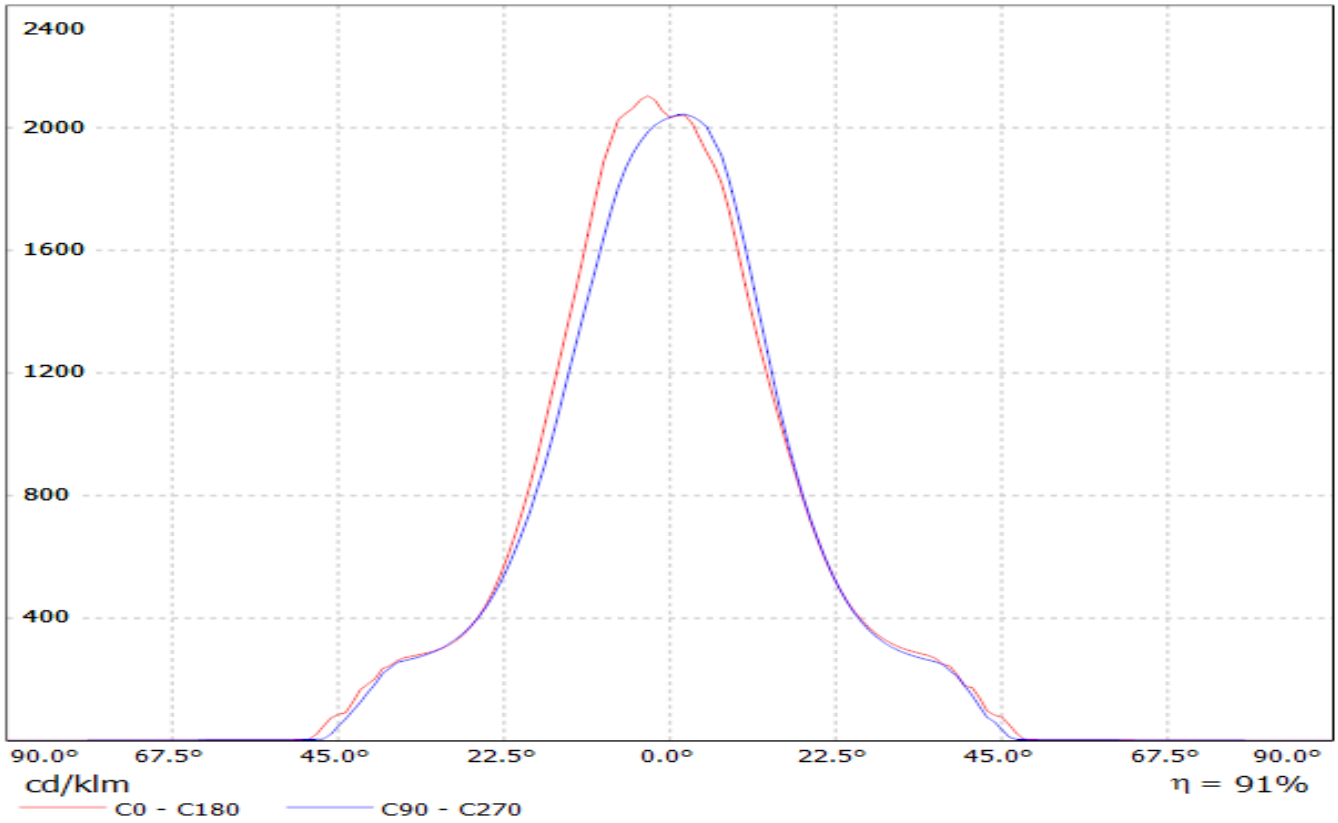
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CLU700)
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A



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

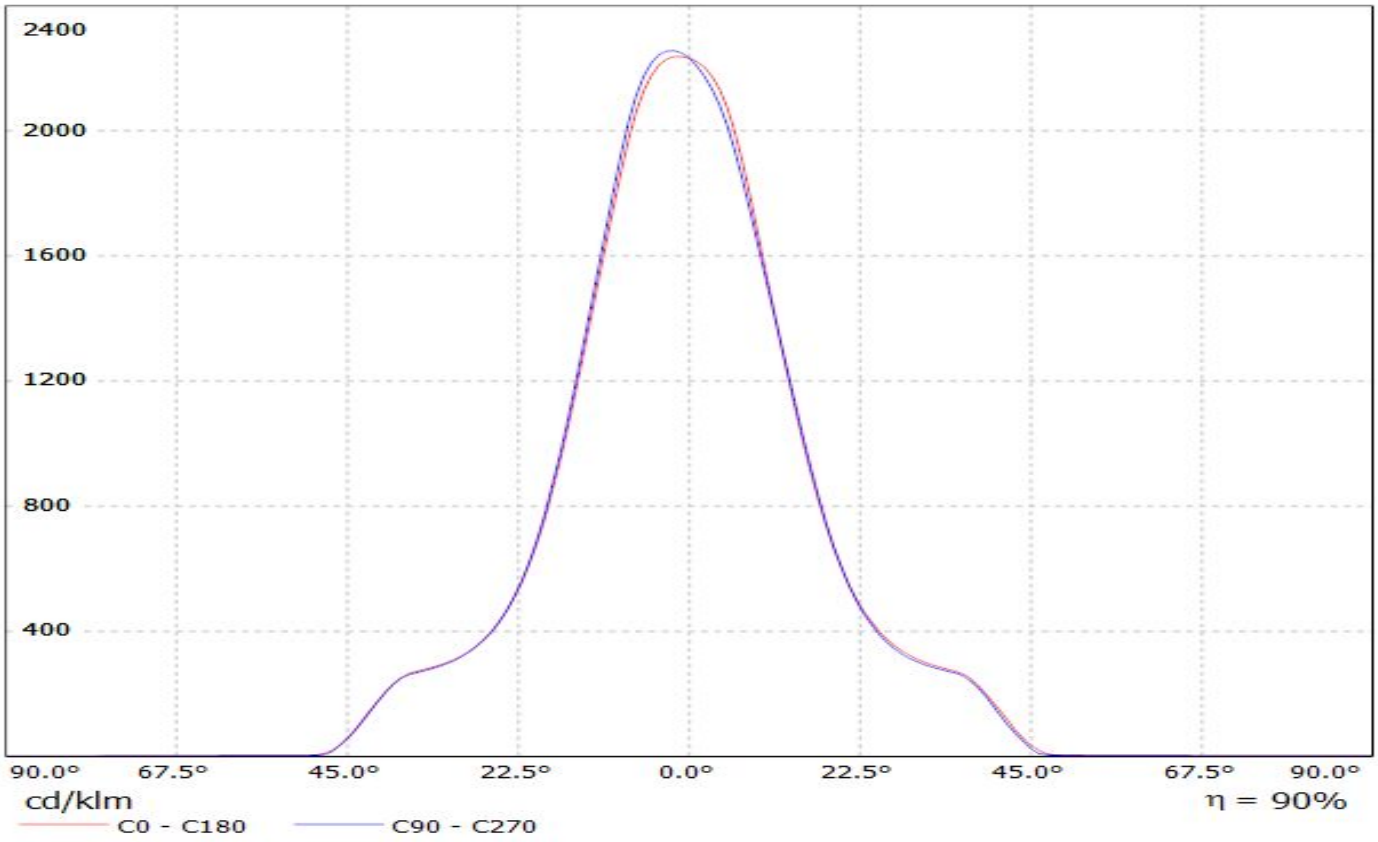


Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MT-G)
Lamps: 1 x MT-G (777.7lm)



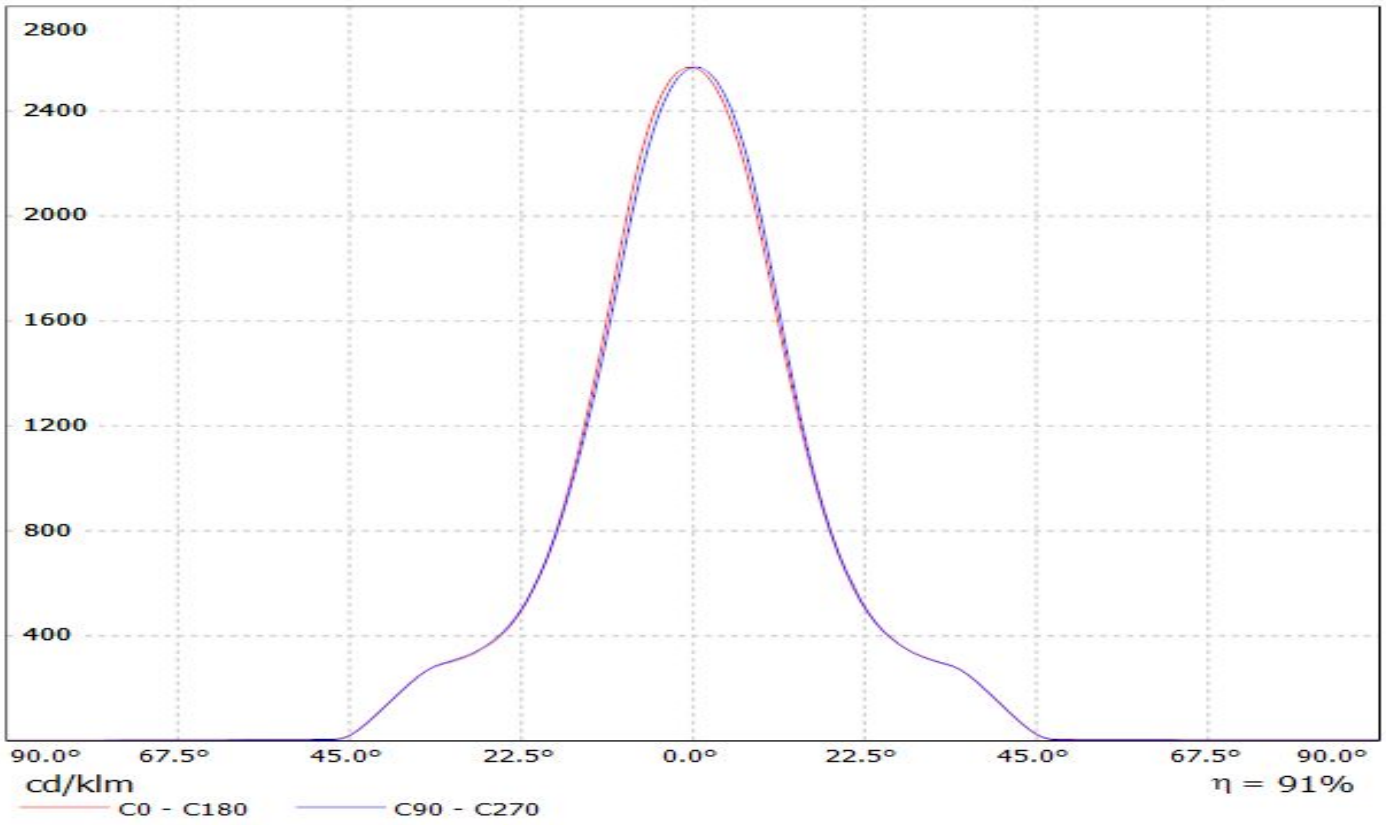
LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4% / LDC (Linear)

Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(MT-G2) Eff.90.4%
Lamps: 1 x MT-G2 (169lm@250mA)

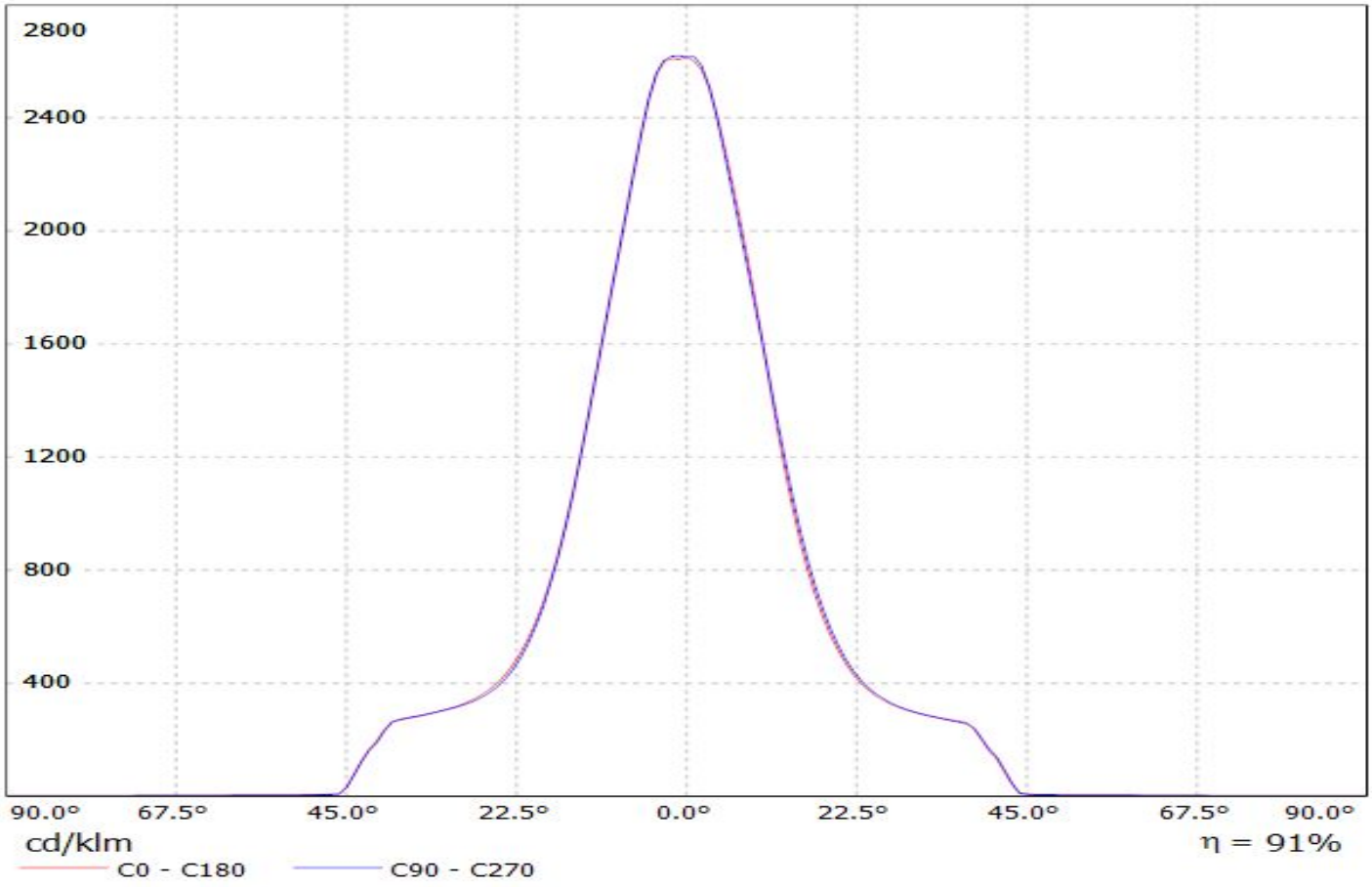


LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8% / LDC (Linear)

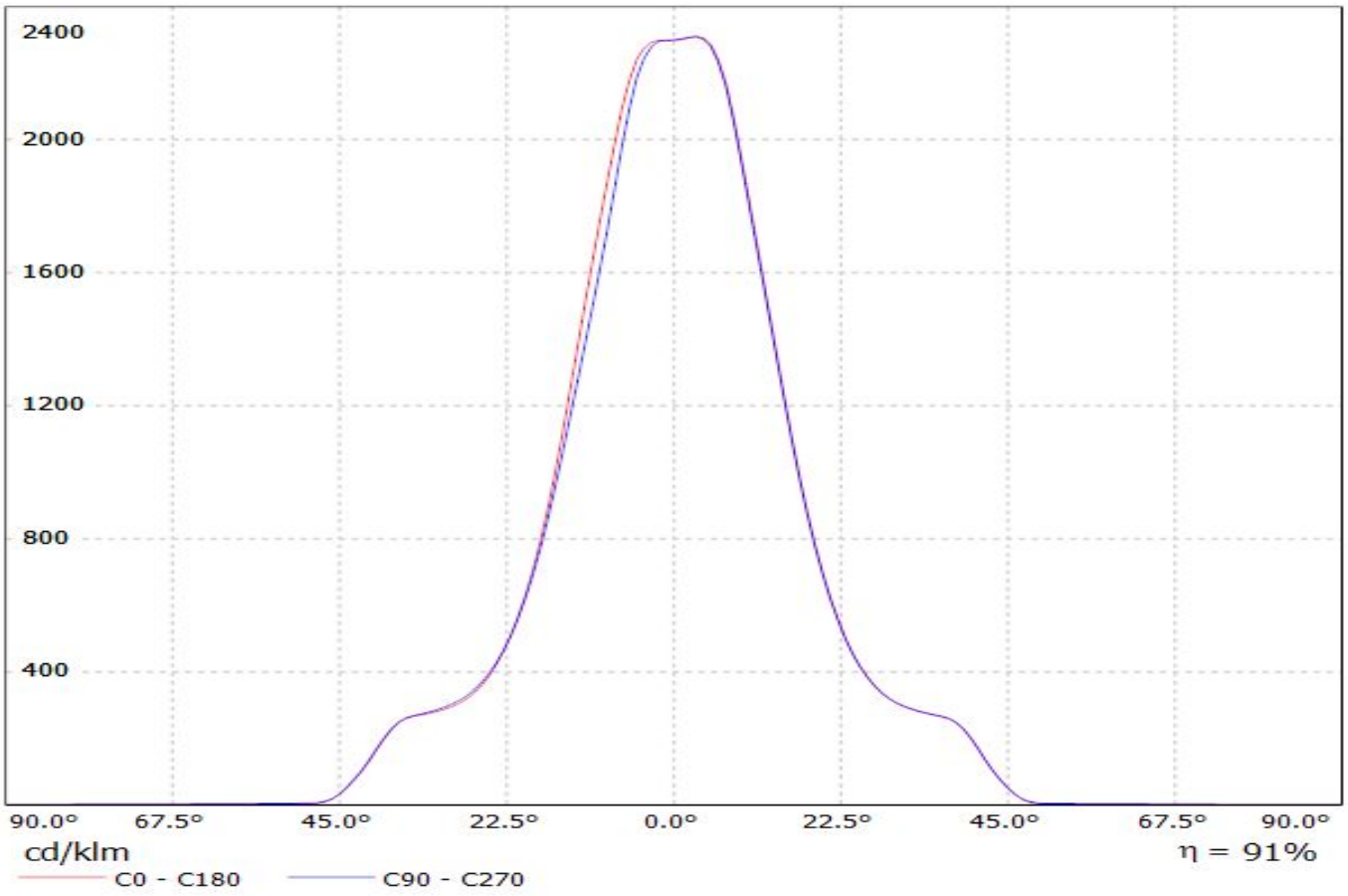
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXA1507) Eff.90.8%
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA



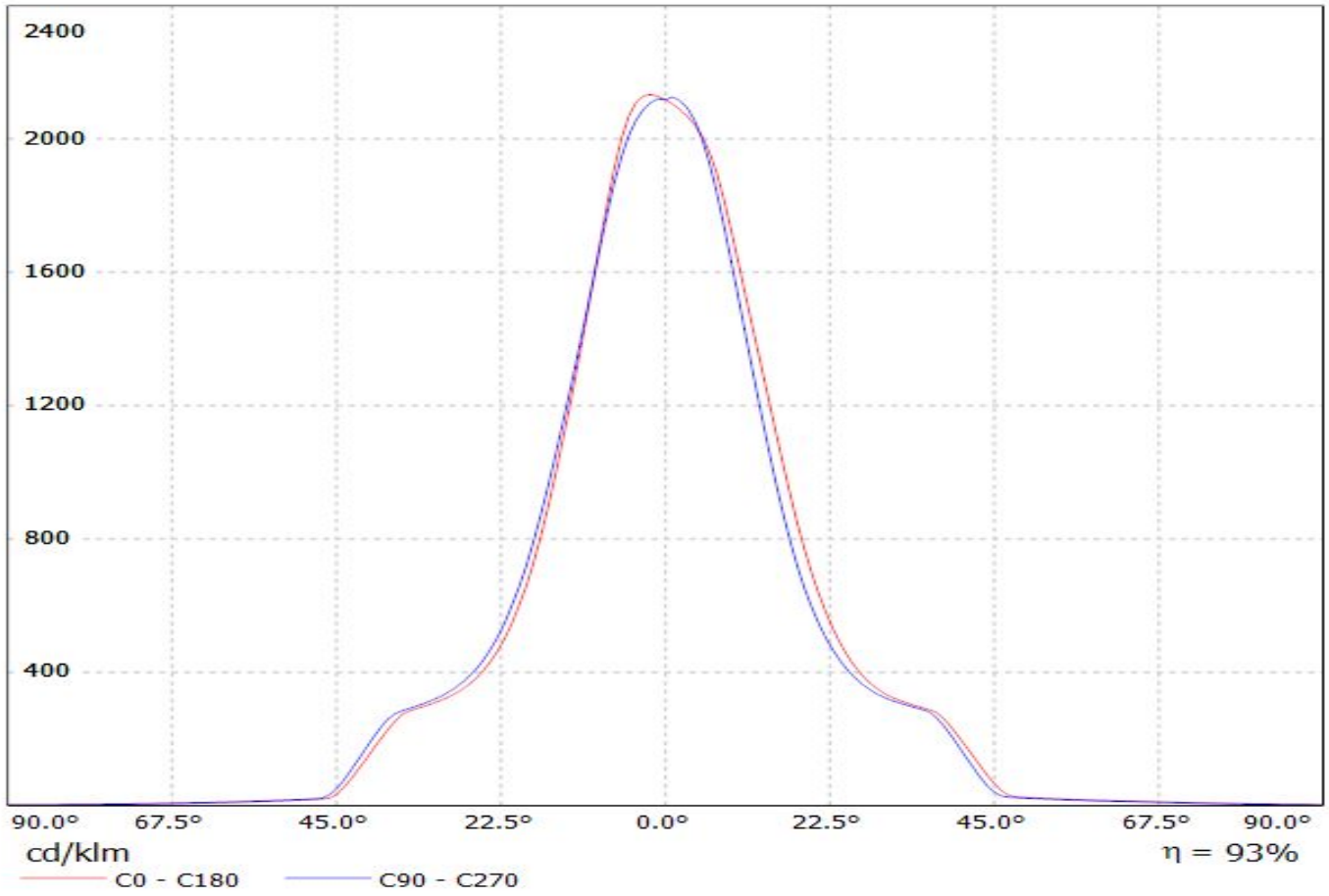
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP50_WW)
Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A



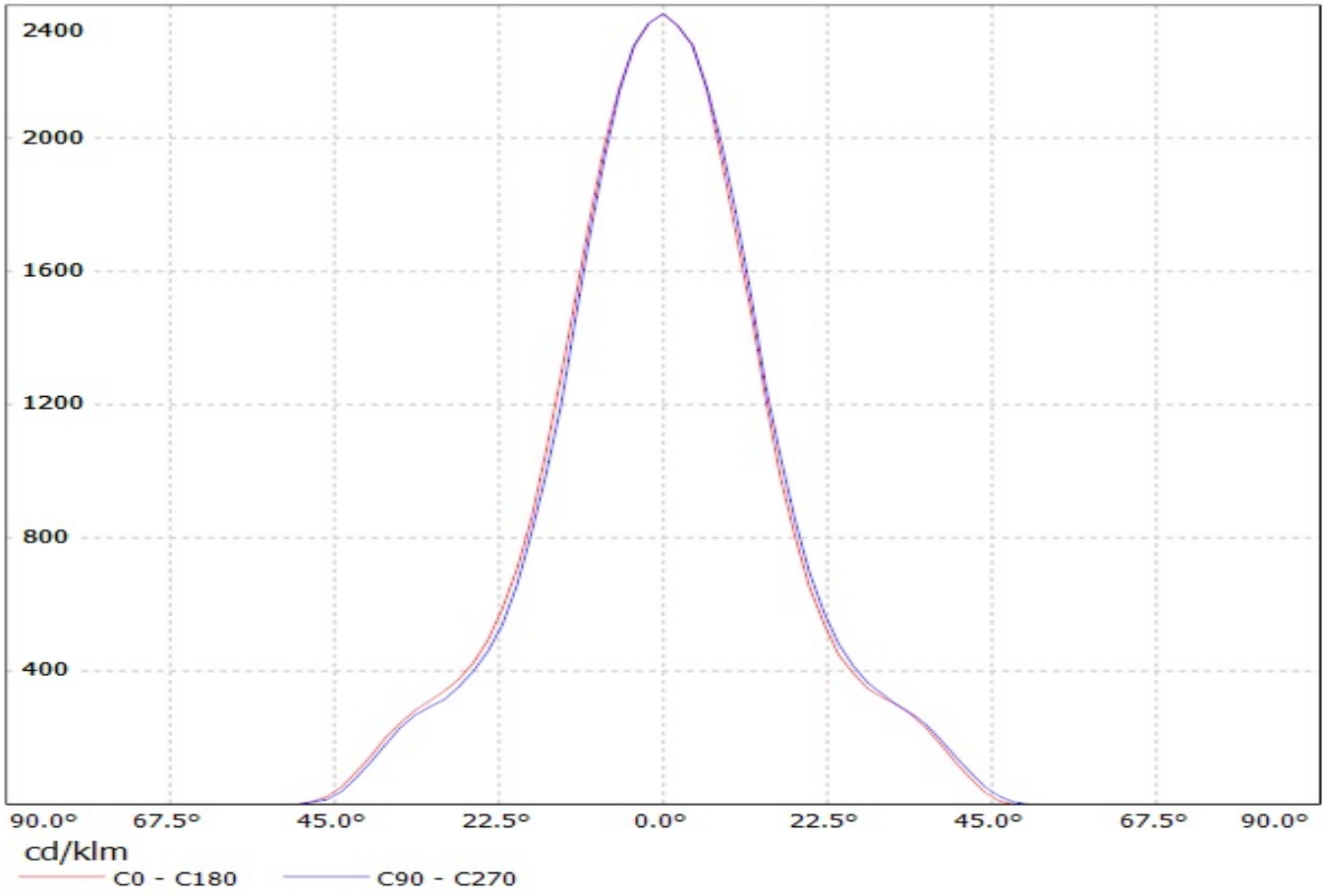
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



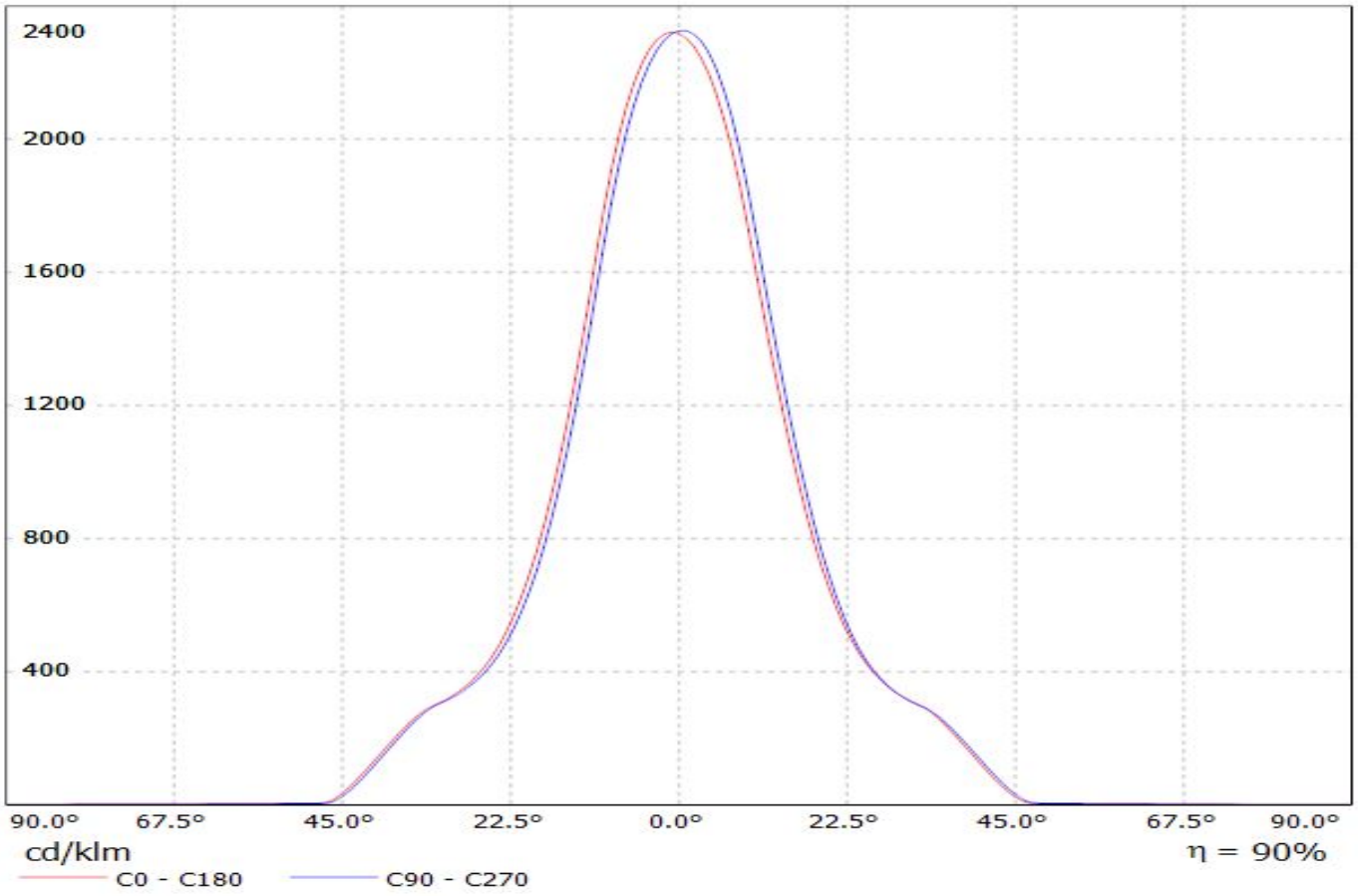
Luminaire: Ledil C12477_MIRELLA-50-M_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



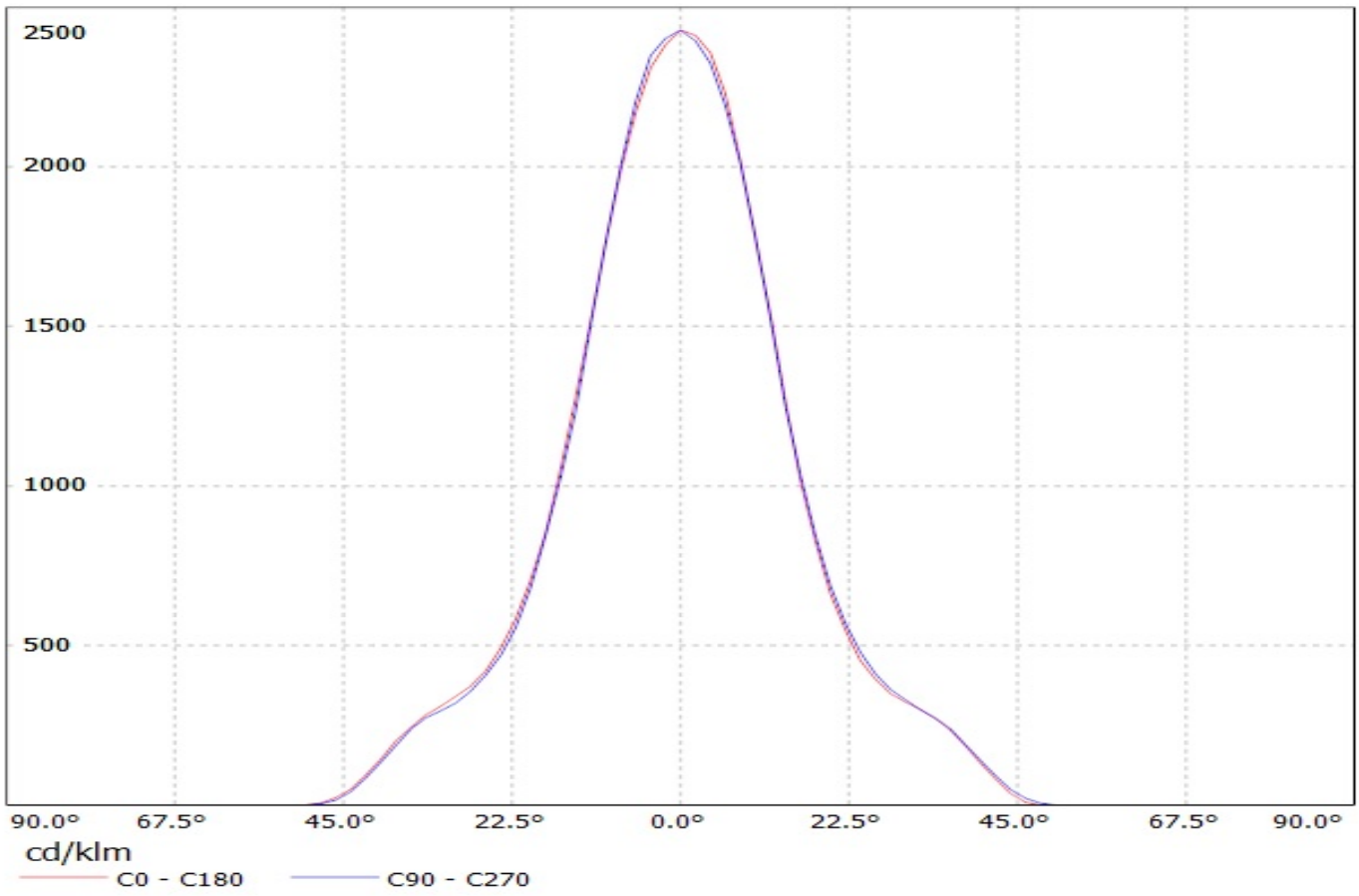
Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Luxeon_CoB_1203) Efficiency=89%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



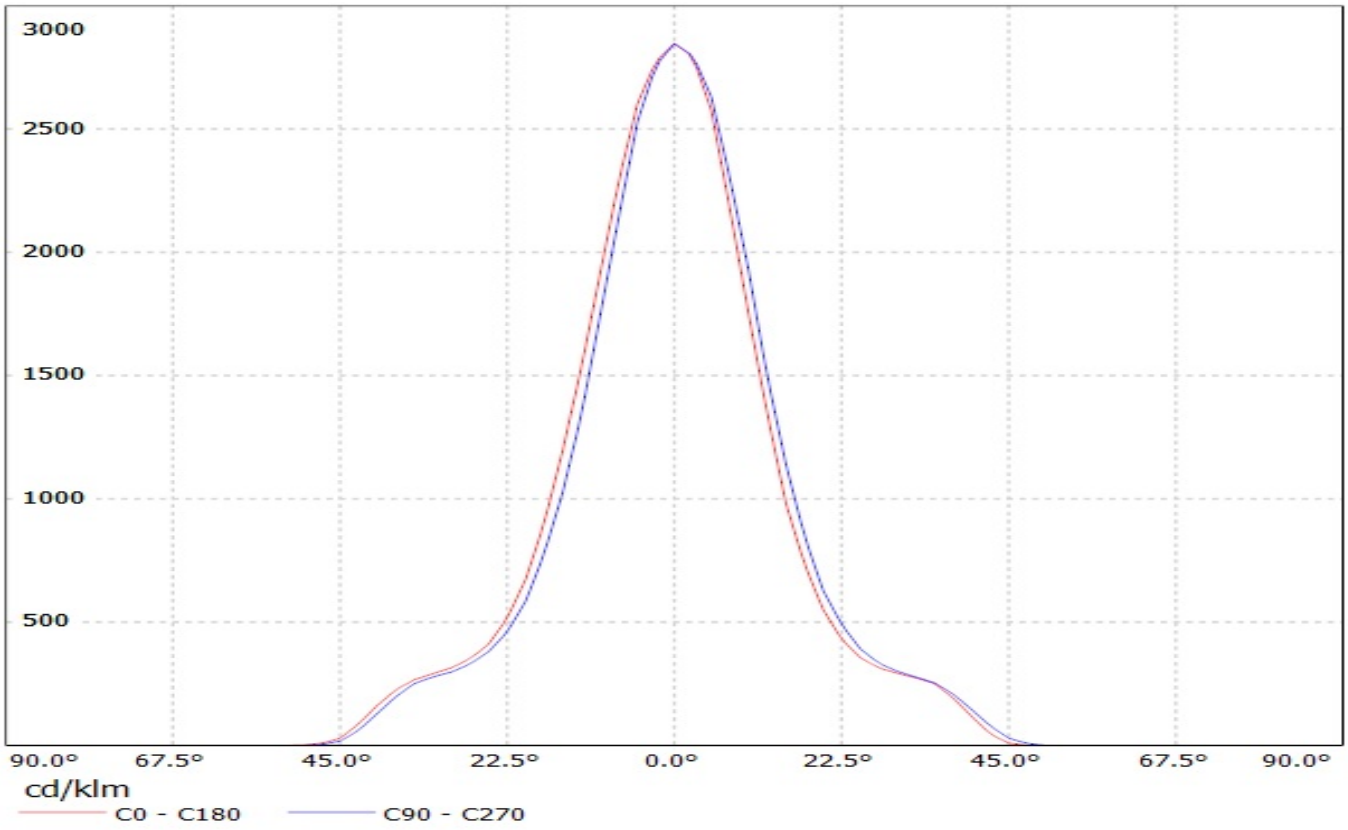
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_977.302lm@240mA_P=8.28264W_I=240mA



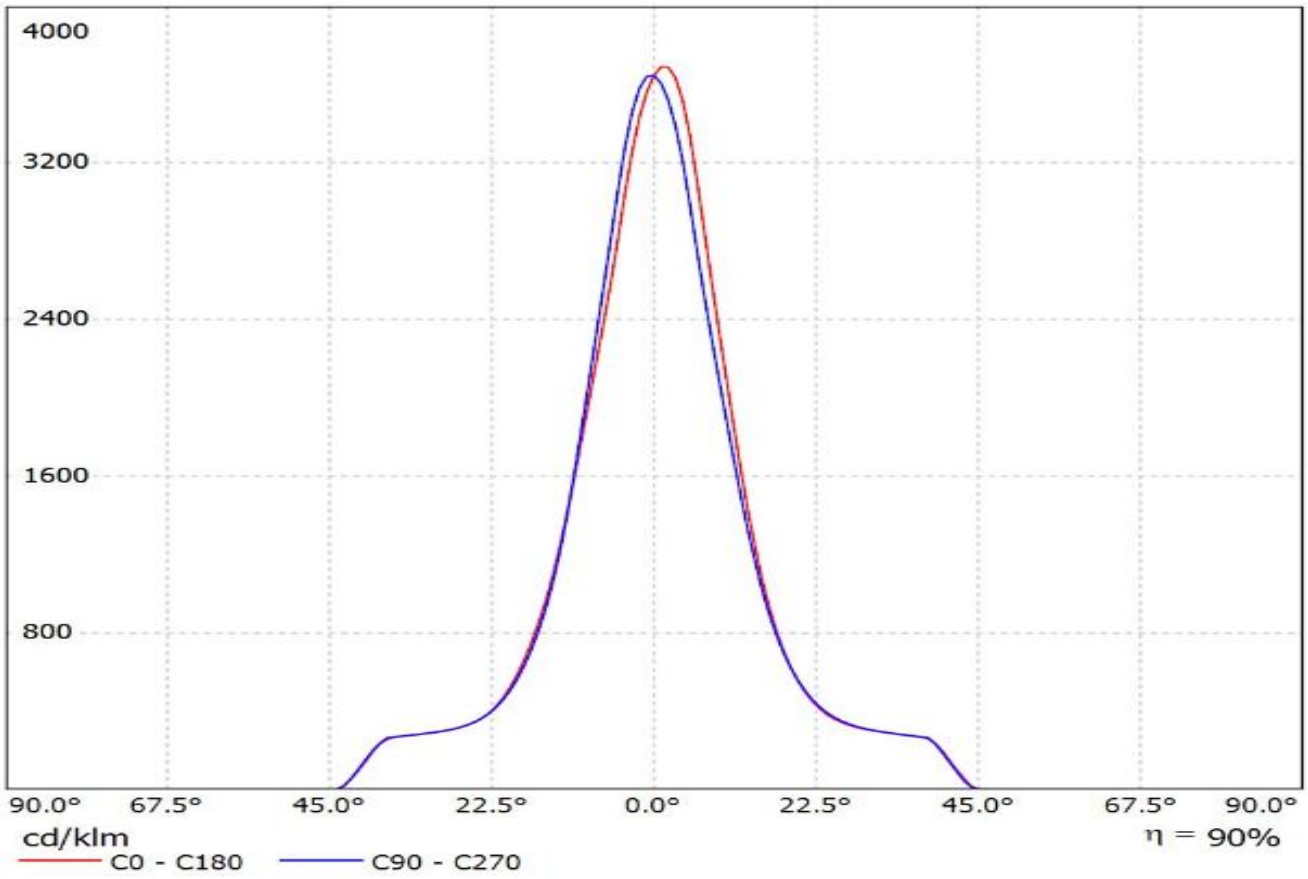
Luminaire: Ledil Oy C12477_MIRELLA-50-M (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



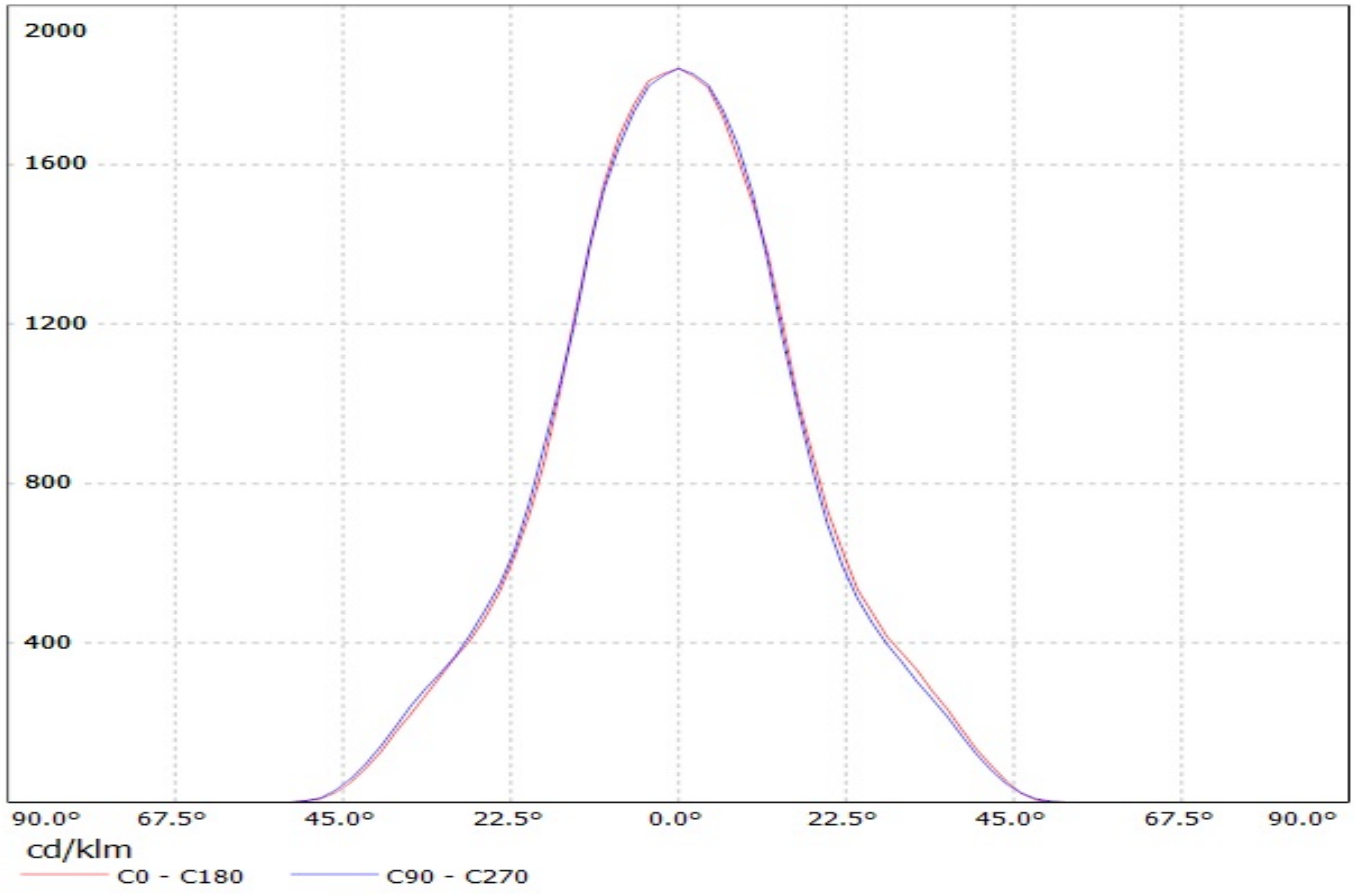
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



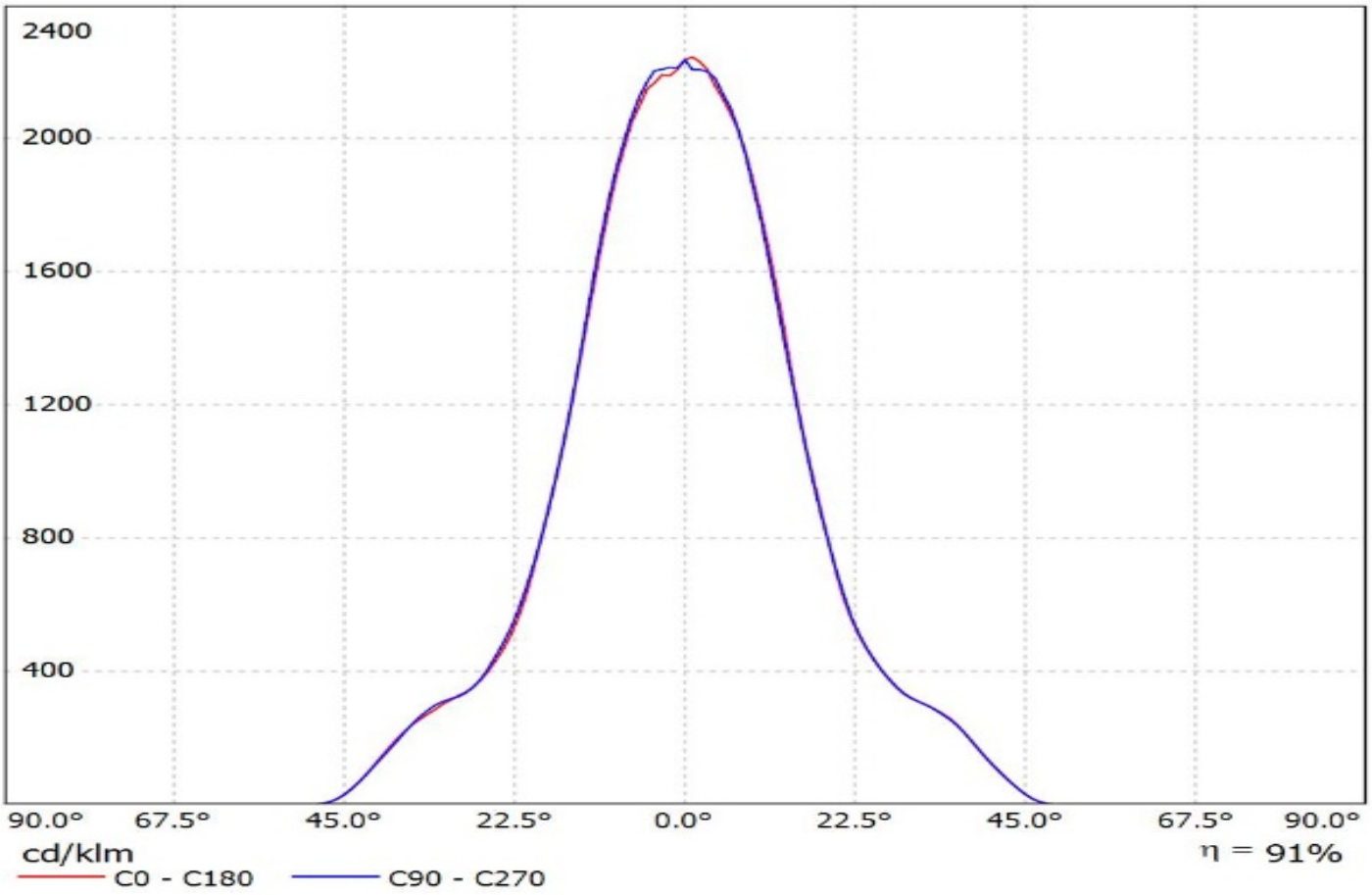
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(NFMX48xAR_14chip)
Lamps: 1 x Nichia_NFMX48xAR_14chip_(NFMW488AR)_557.972lm@100mA_P=4.0701W_I=0.100A



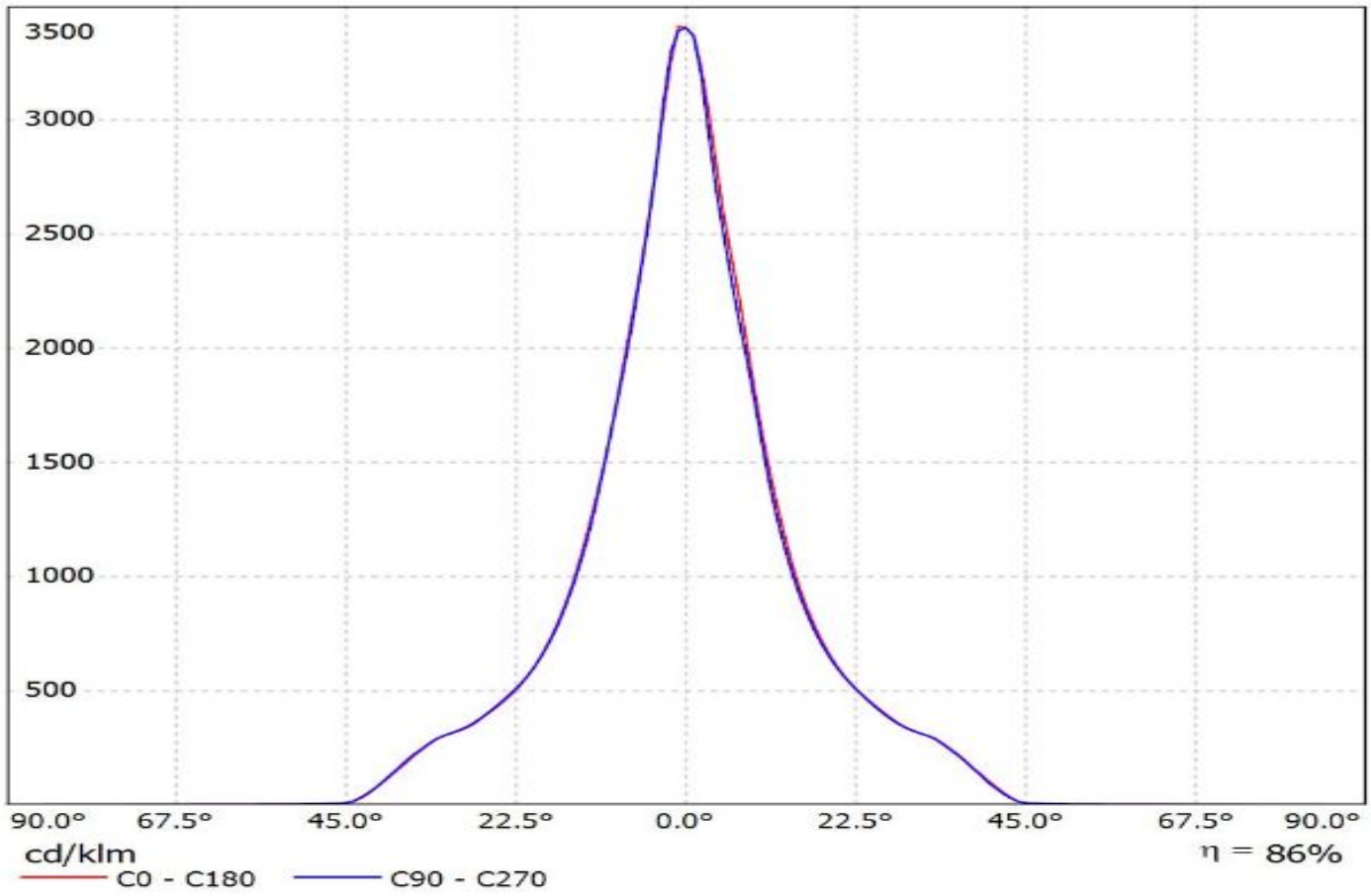
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Soleriq_S13) Efficiency=87%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



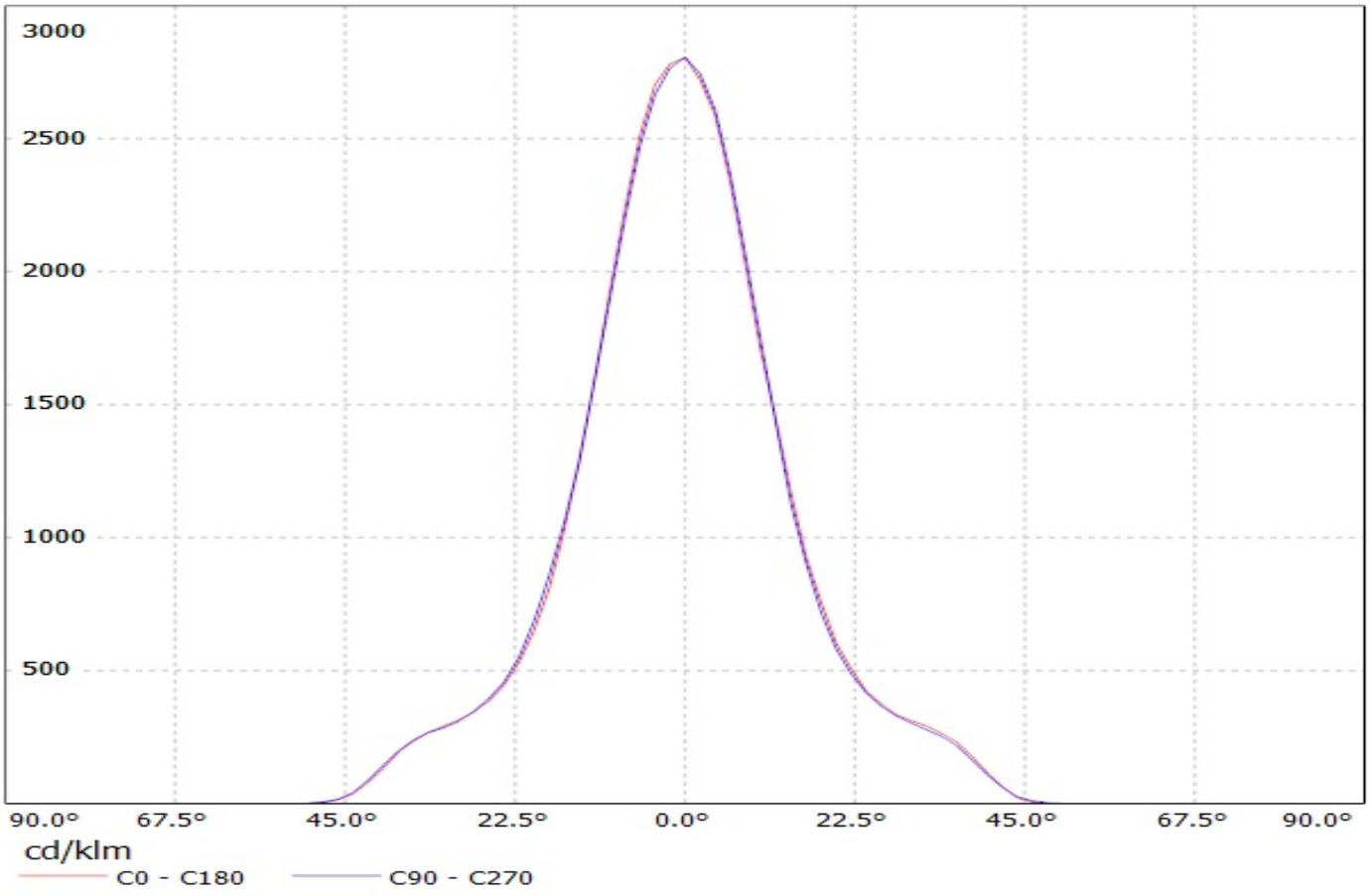
Luminaire: Ledil Oy C12477_MIRELLA-50-M_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



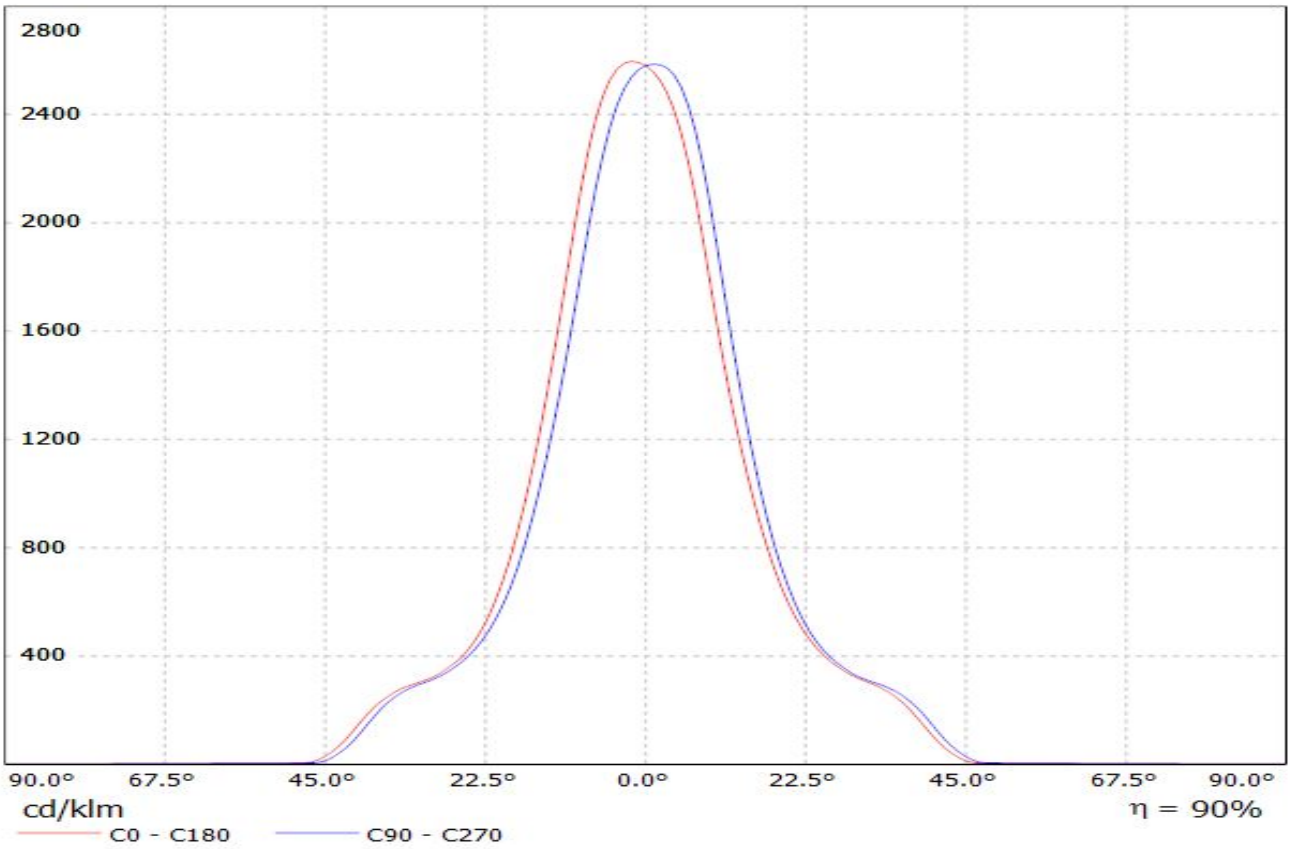
Luminaire: LEDiL Oy CN13918_MIRELLA-50-S-PF-VERO13_(Soleriq P9+461 Typ L1)
Lamps: 1 x Soleriq P9+461 Typ L1_881.86lm@250mA_P=6.96846W_I=250mA



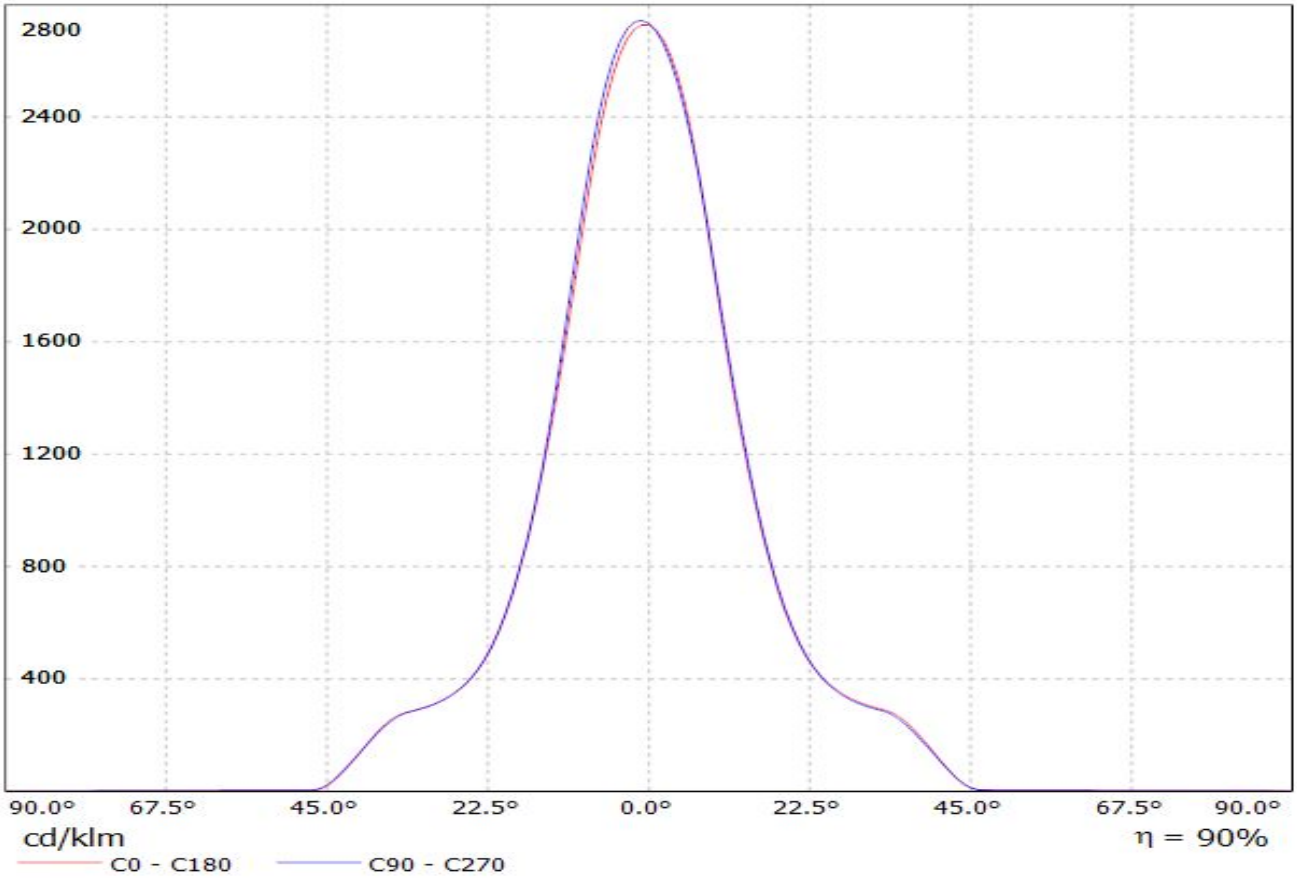
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(ZC6) Efficiency=87%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



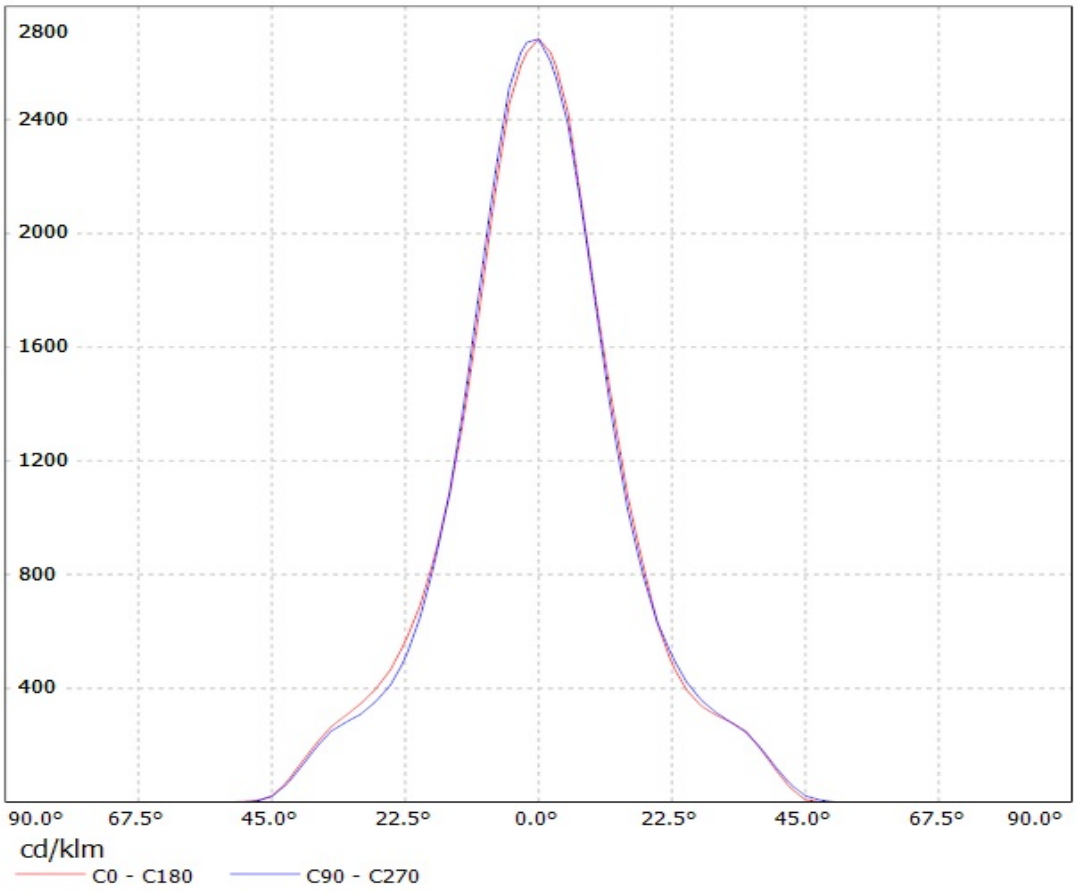
Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MiniZenigata) Eff.90.1%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



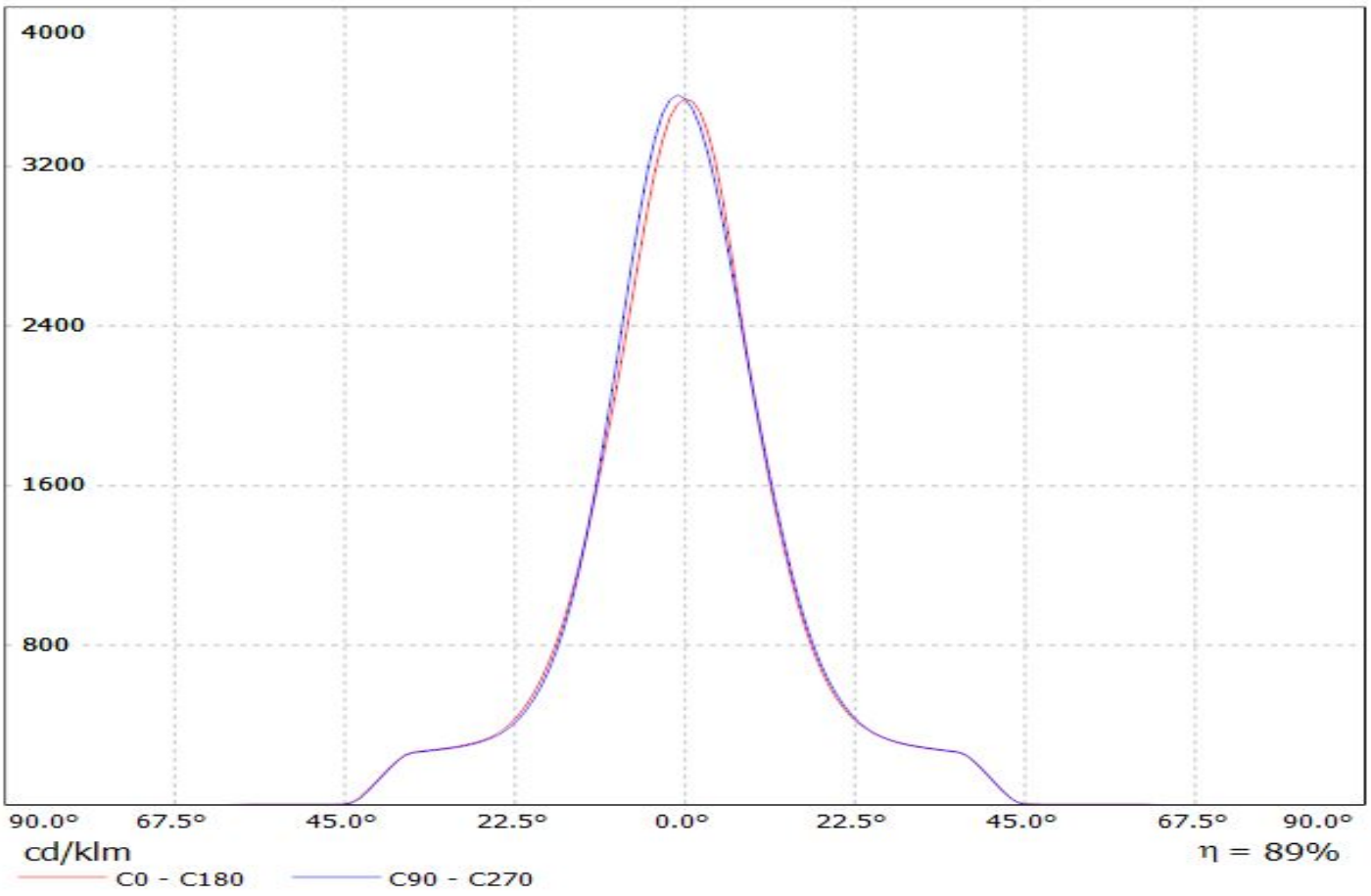
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(Mini_Zenigata) Eff.89.6%
Lamps: 1 x Mini_Zenigata (GW6BM) (803.772lm@250mA)



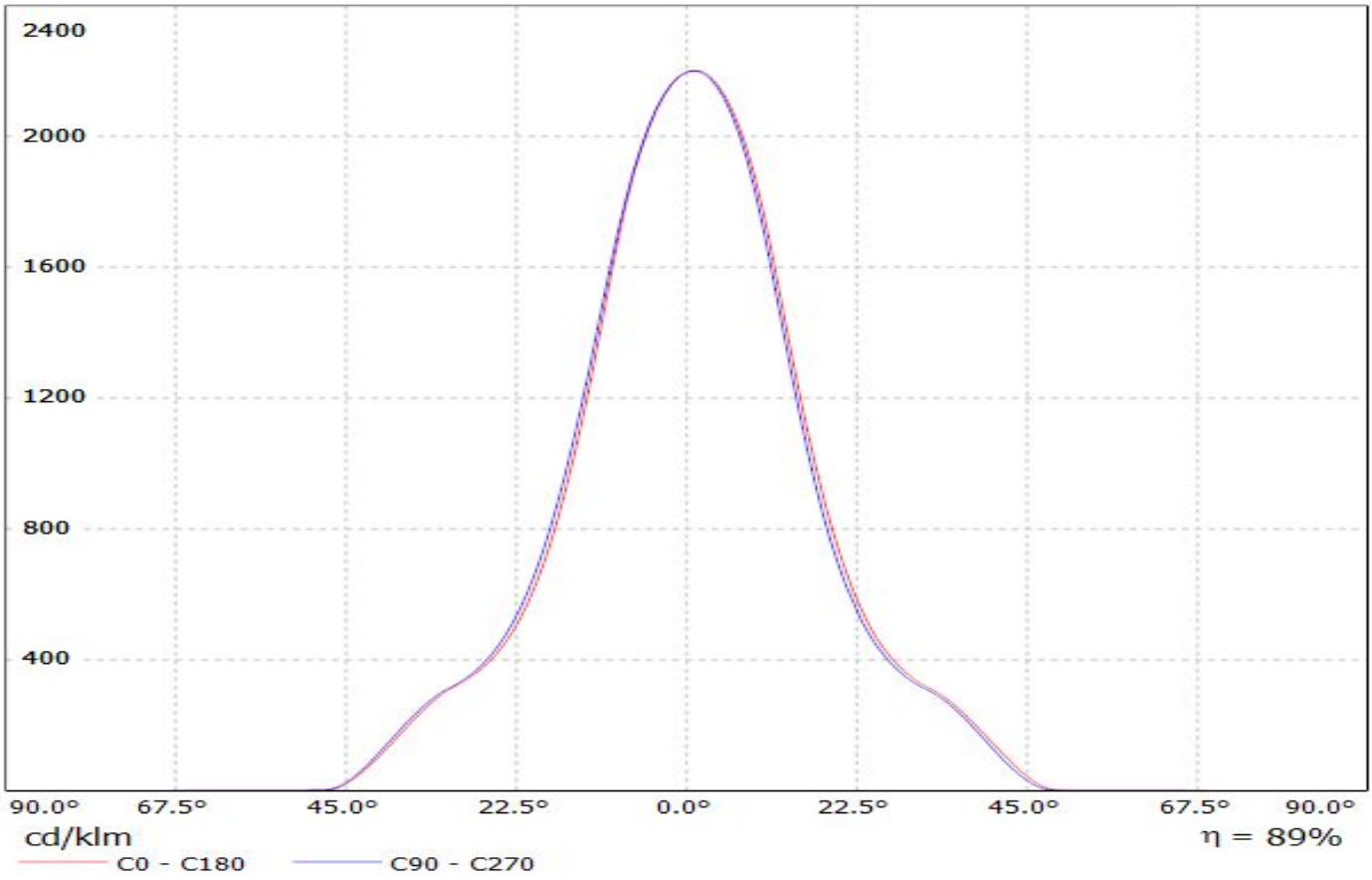
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Stark_SLE_G3_LES10) Efficiency=86%
Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA



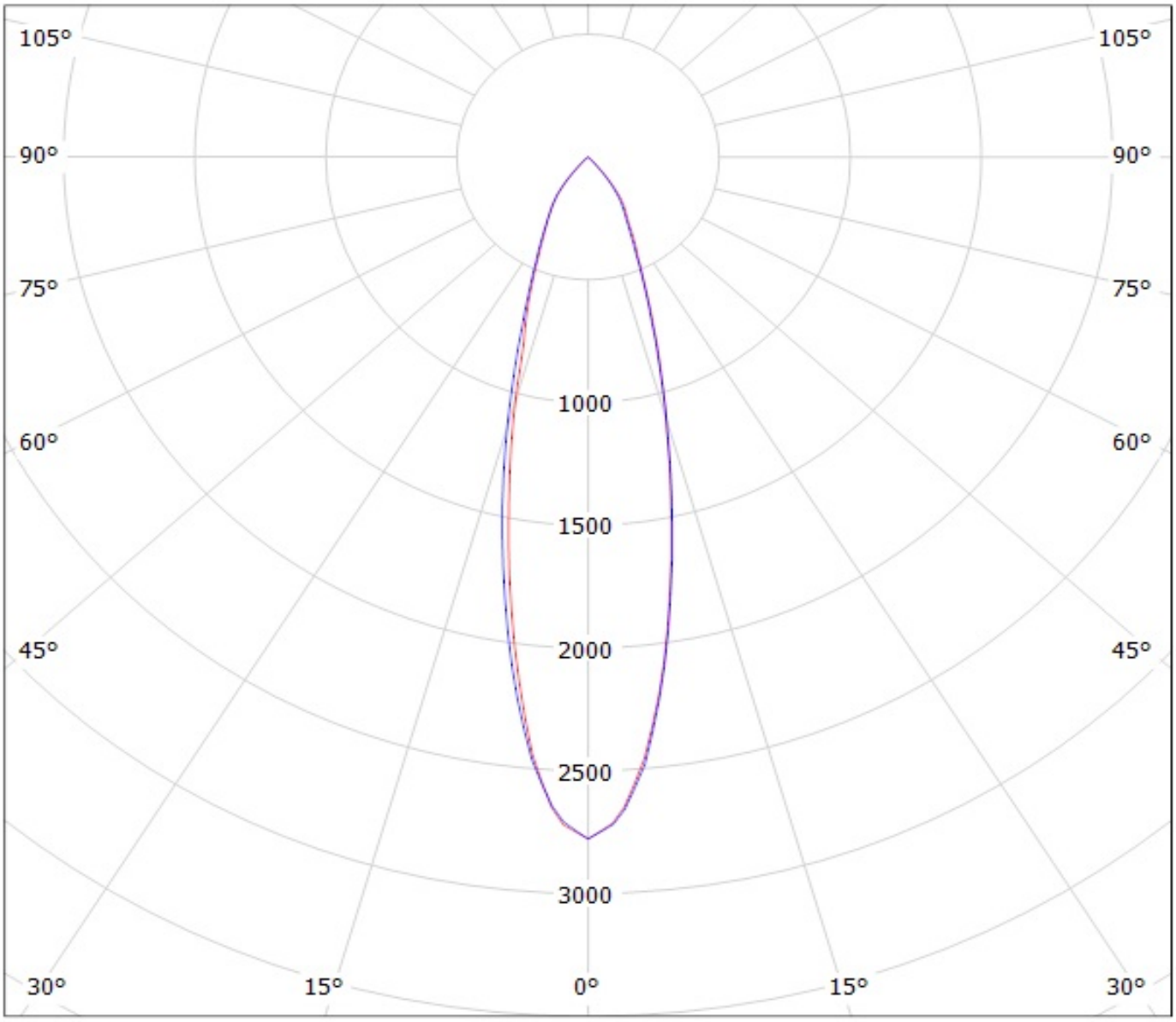
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_470.59lm@100mA_P=3.3748W_I=0.100A



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



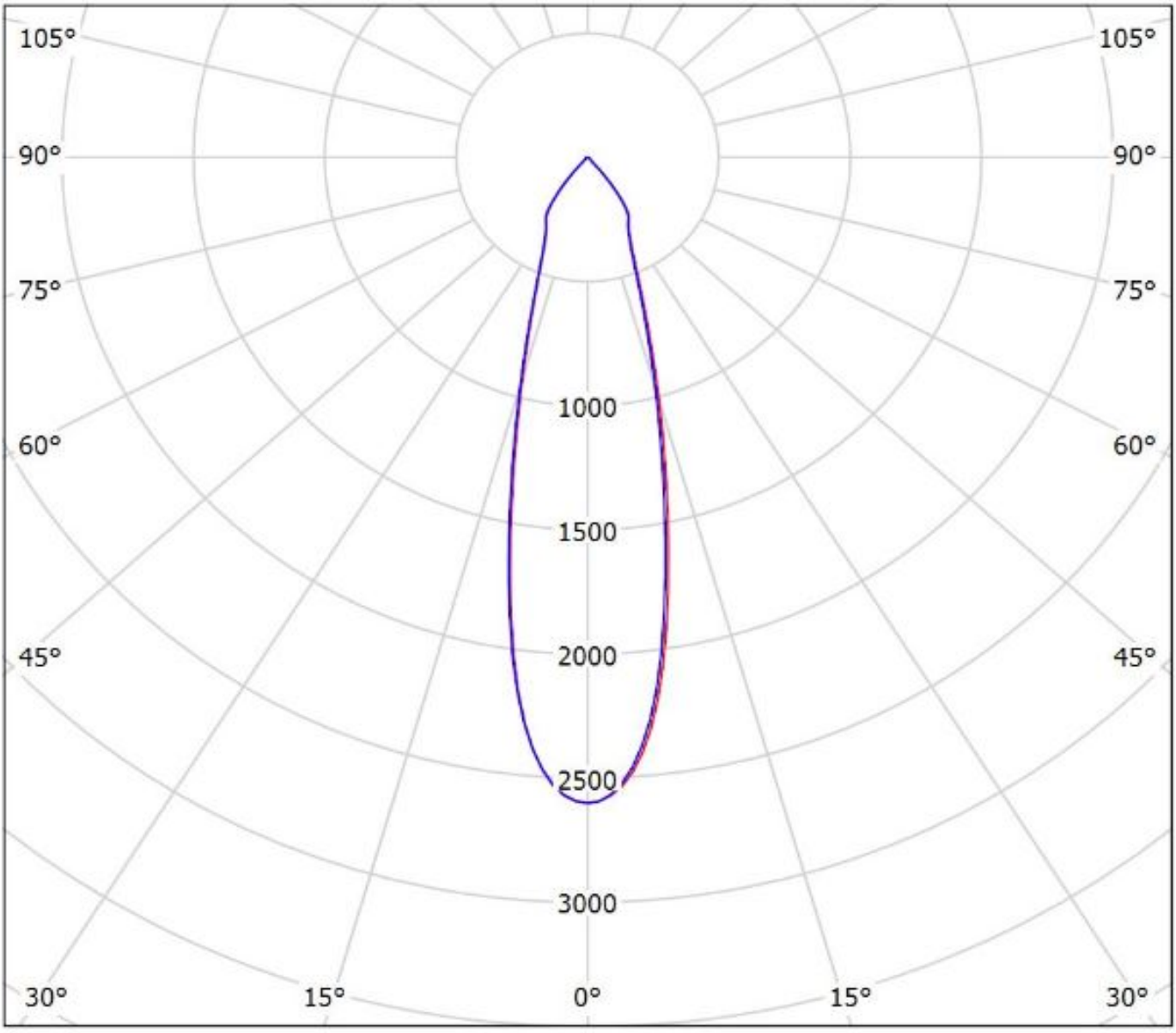
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Bridgelux LS 170lm @ 250mA) Efficiency=89%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



cd/klm

C0 - C180 C90 - C270

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

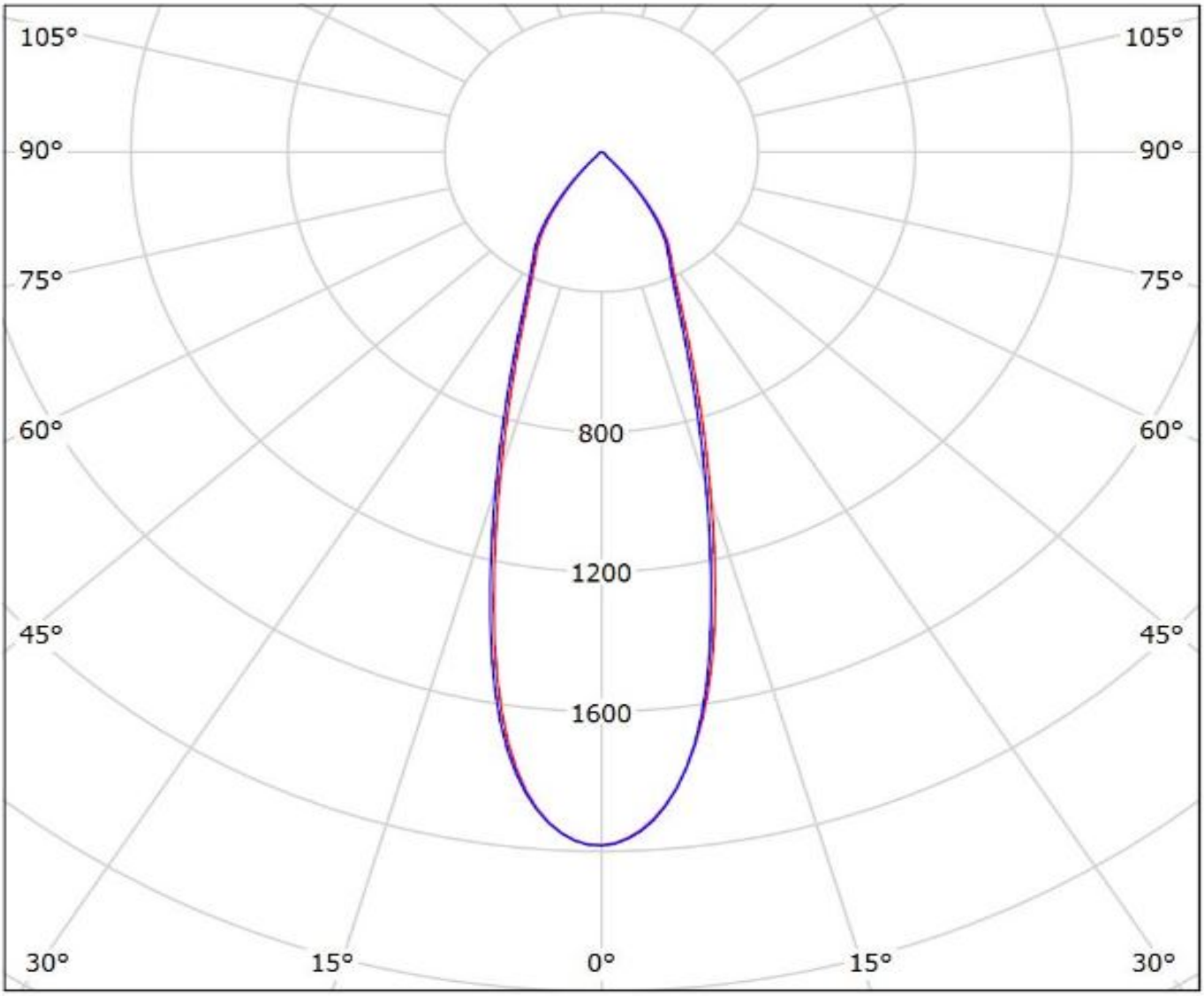


cd/klm

η = 89%

C0 - C180 C90 - C270

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

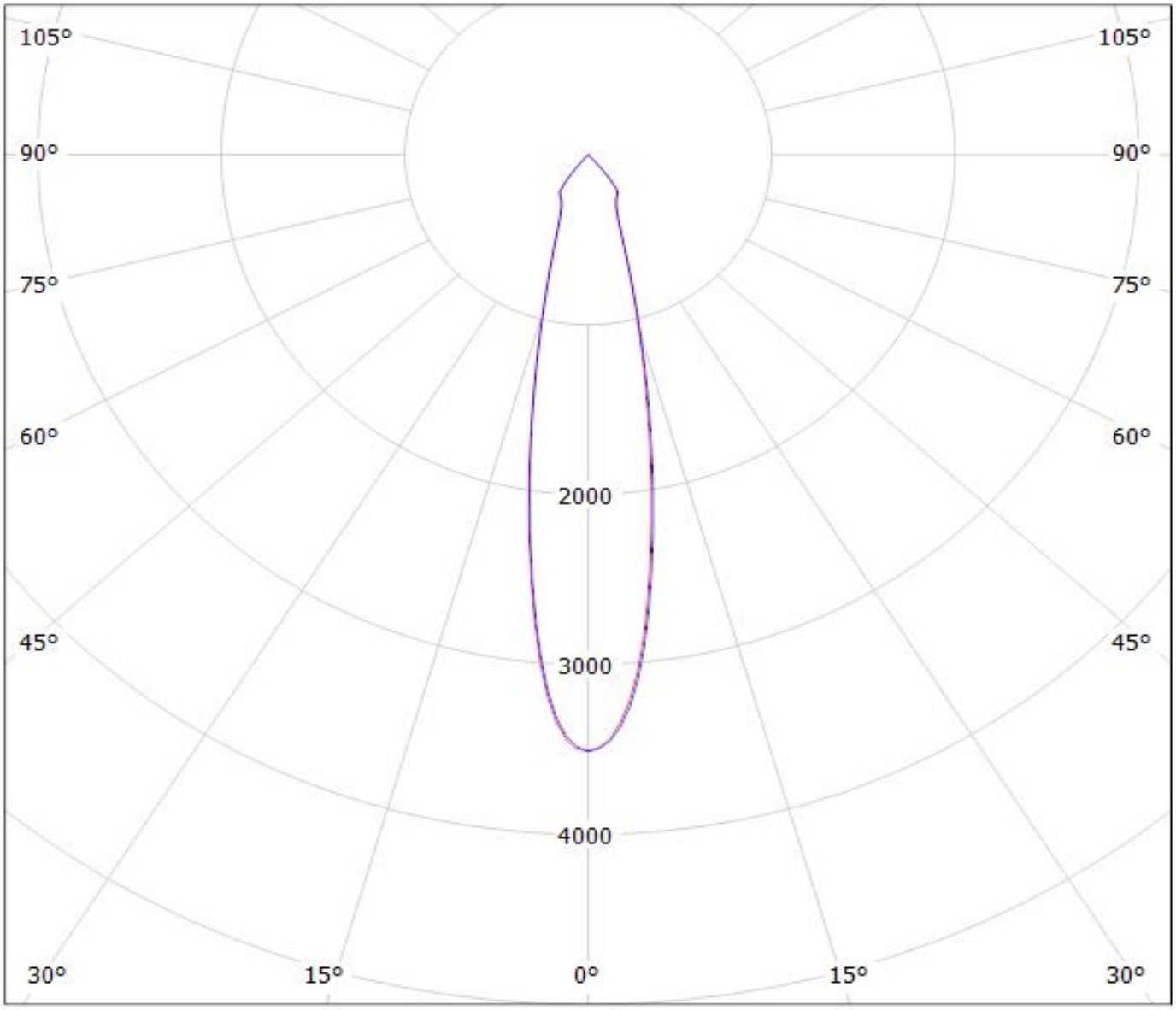


cd/klm

η = 90%

C0 - C180 C90 - C270

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

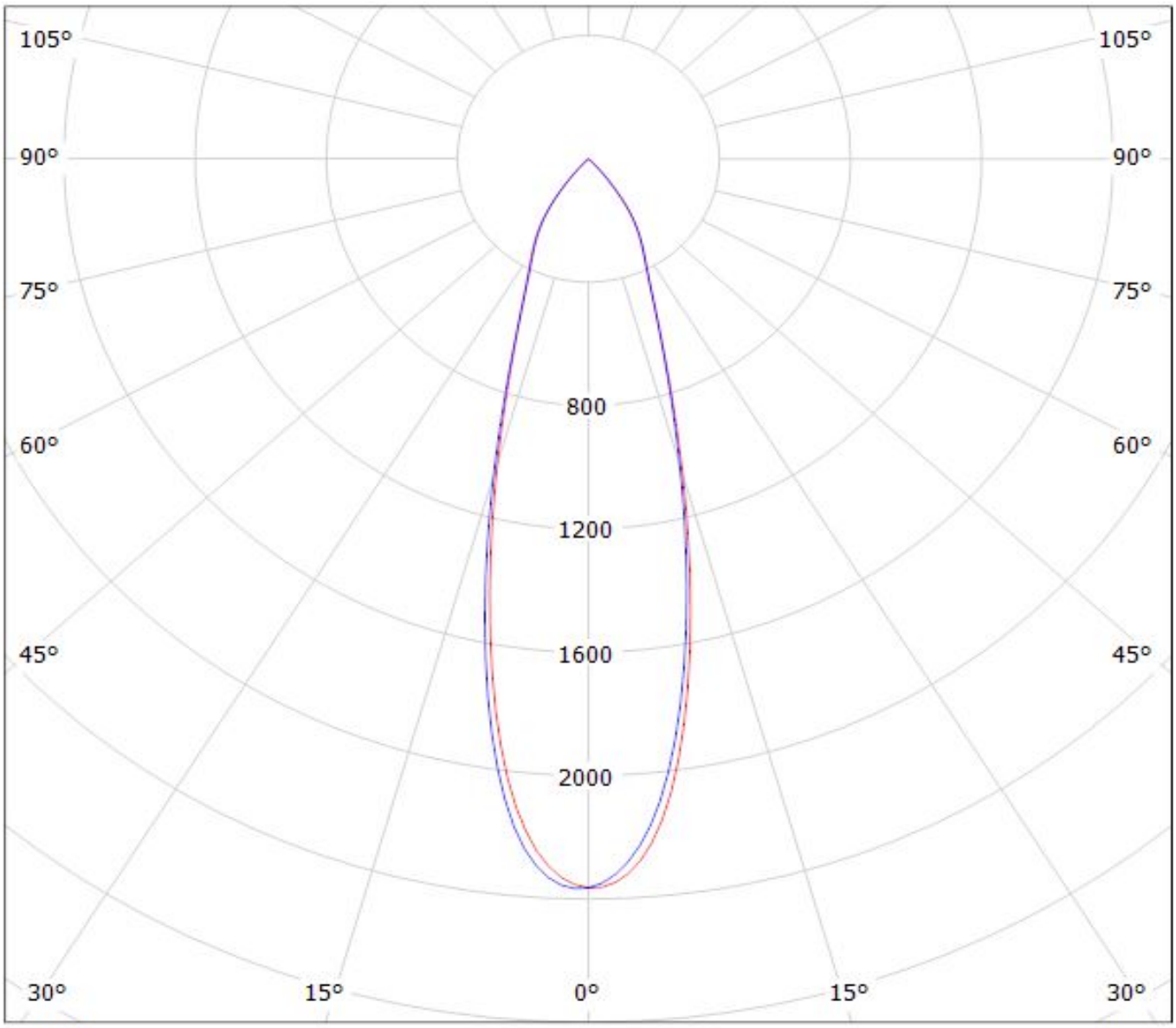


cd/klm

η = 89%

C0 - C180 C90 - C270

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

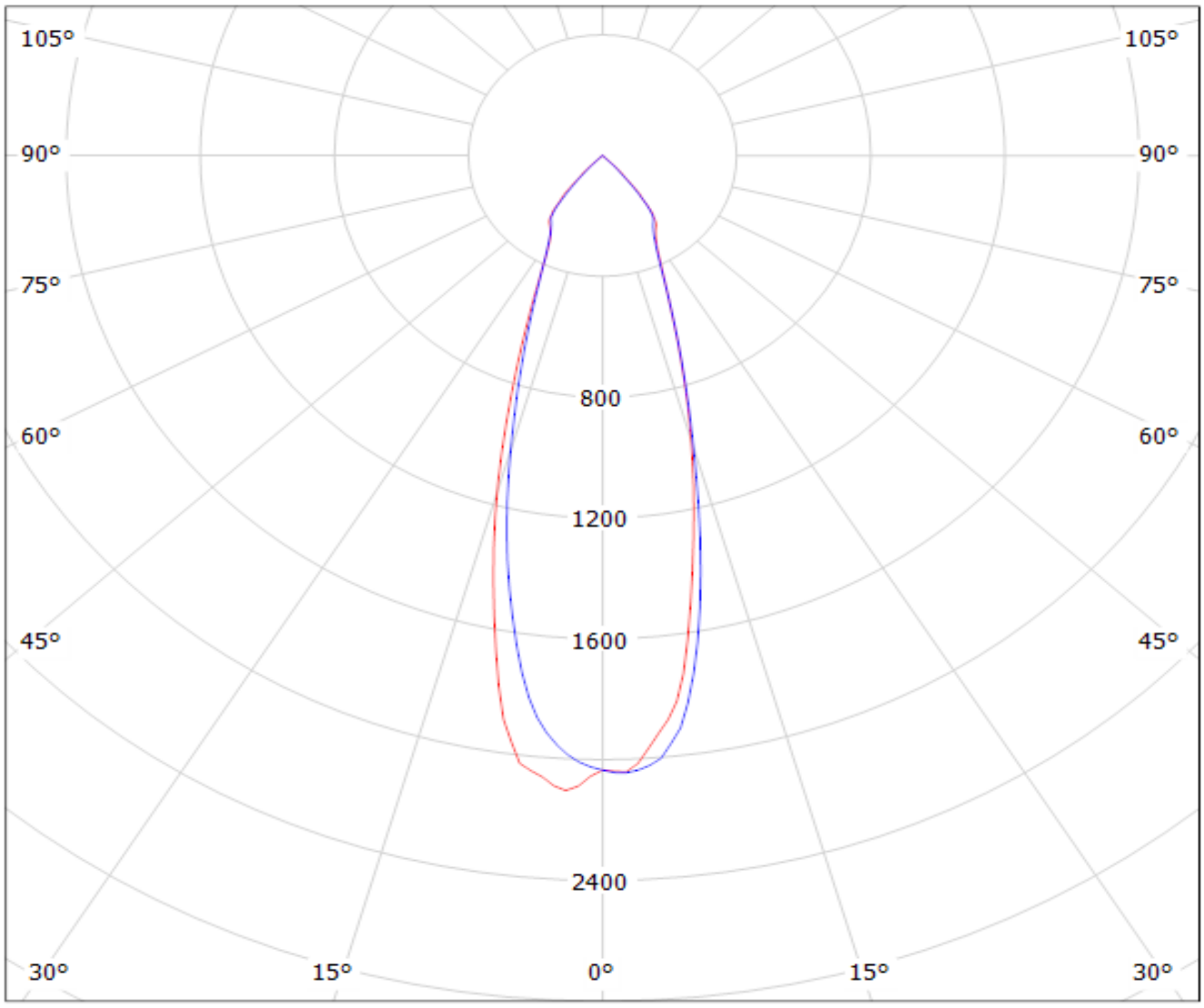


cd/klm

η = 88%

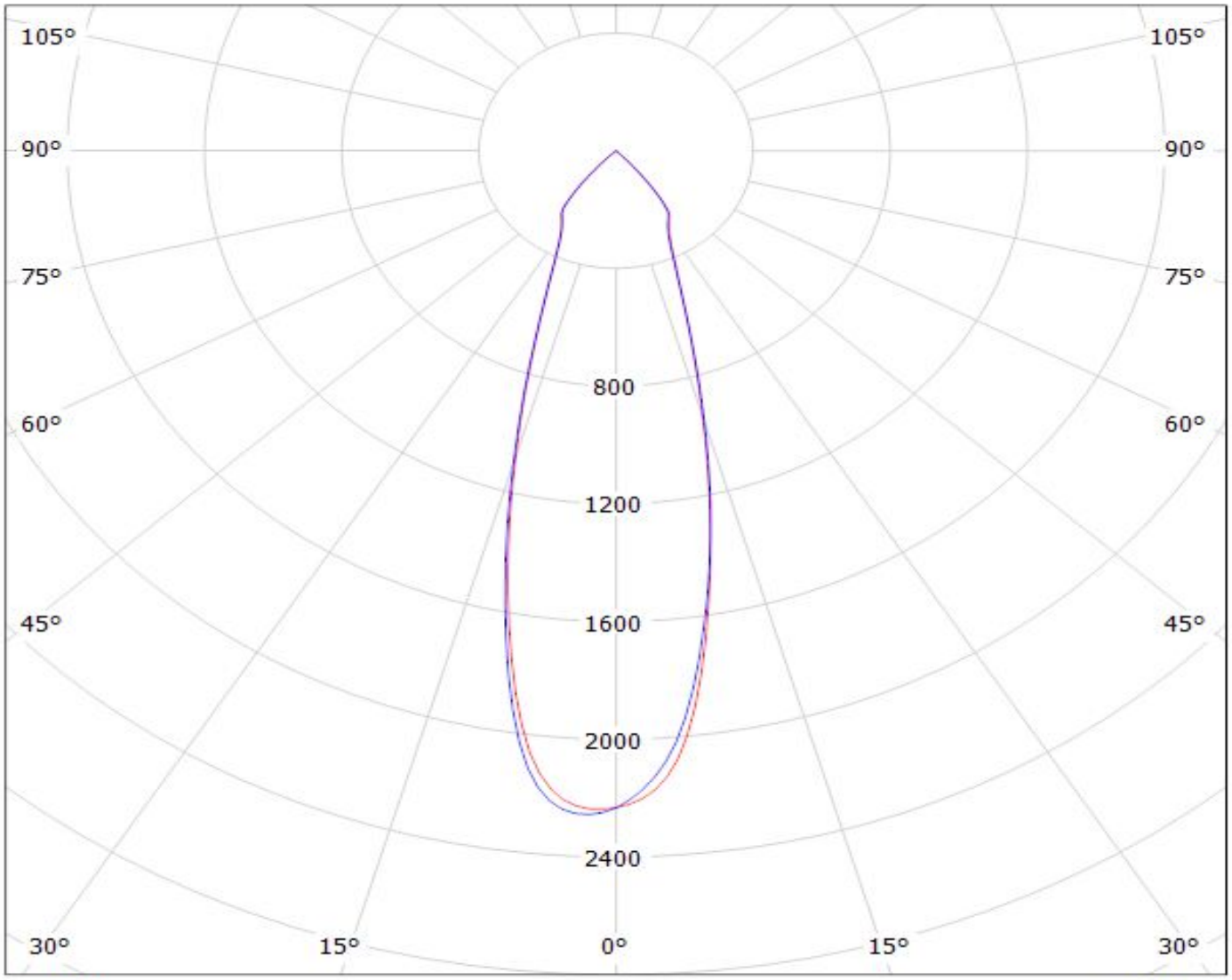
C0 - C180 C90 - C270

Luminaire: LEDIL OY C12477_MIRELLA-50-M_(MT-G)
Lamps: 1 x MT-G (777.7lm)



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)



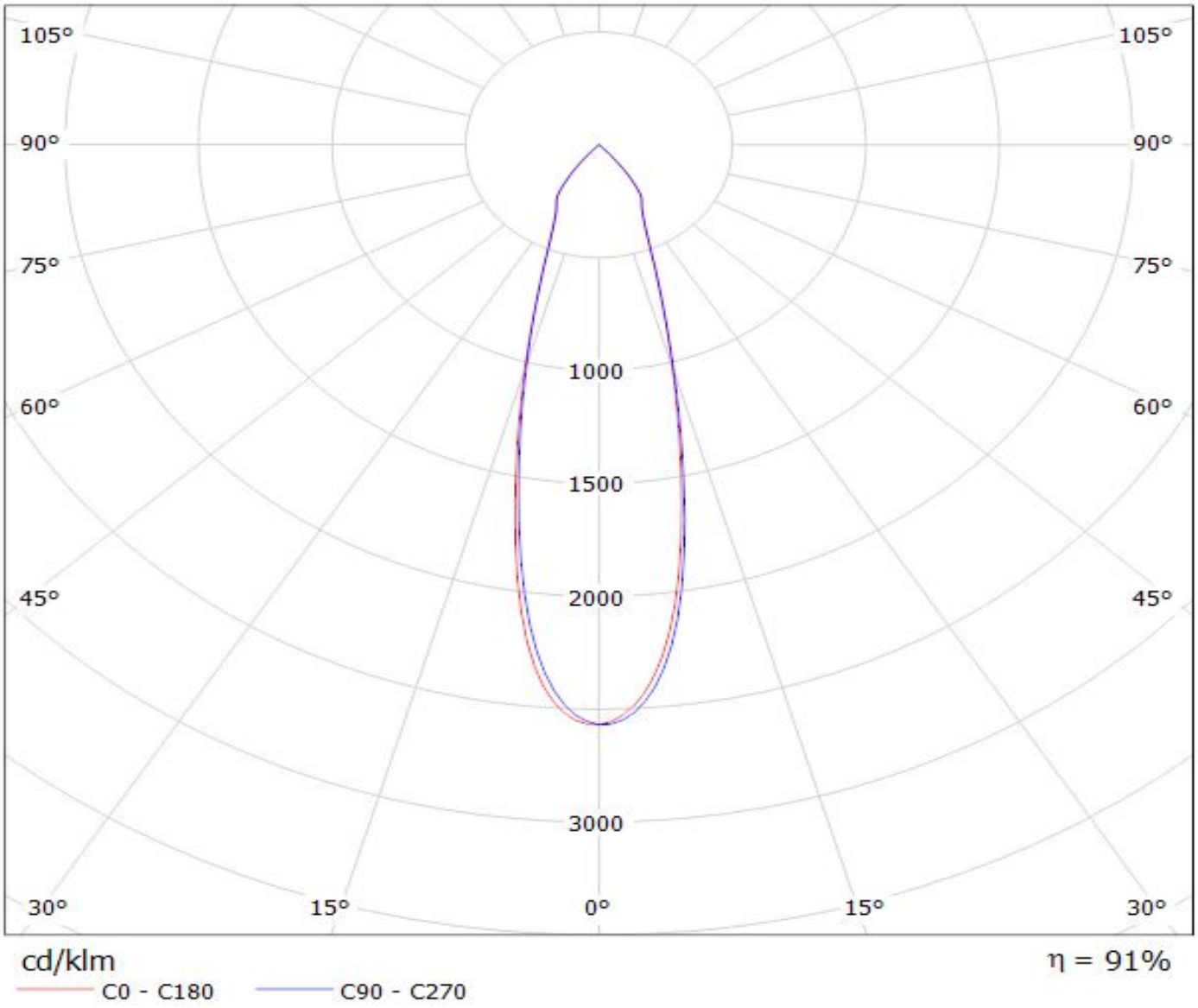
cd/klm

η = 90%

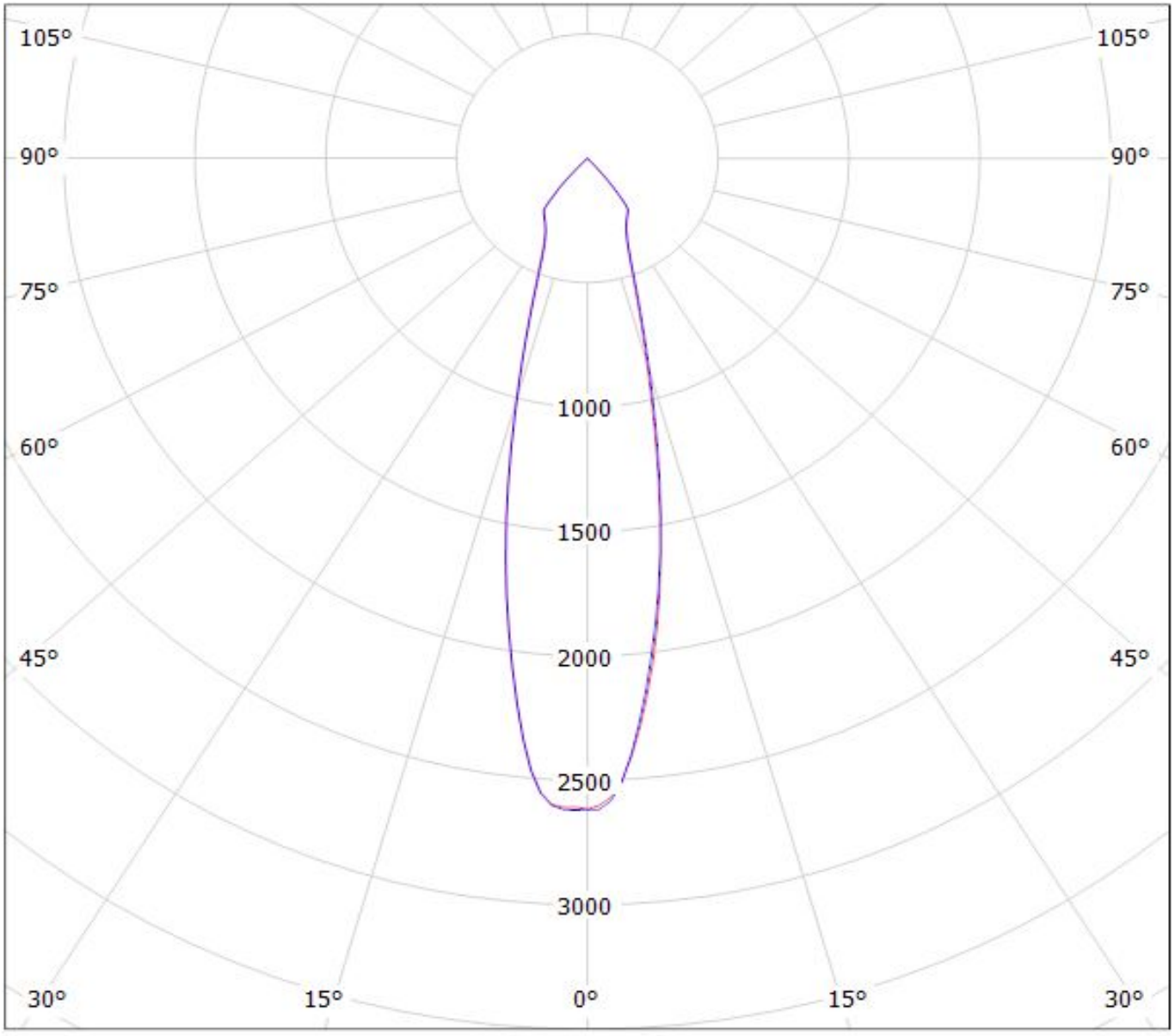
C0 - C180 C90 - C270

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_(Cree_XHP50_WW)
Lamps: 1 x Cree_XHP50_WW_196.271lm@250mA_P=1.39897W_I=0.2499A

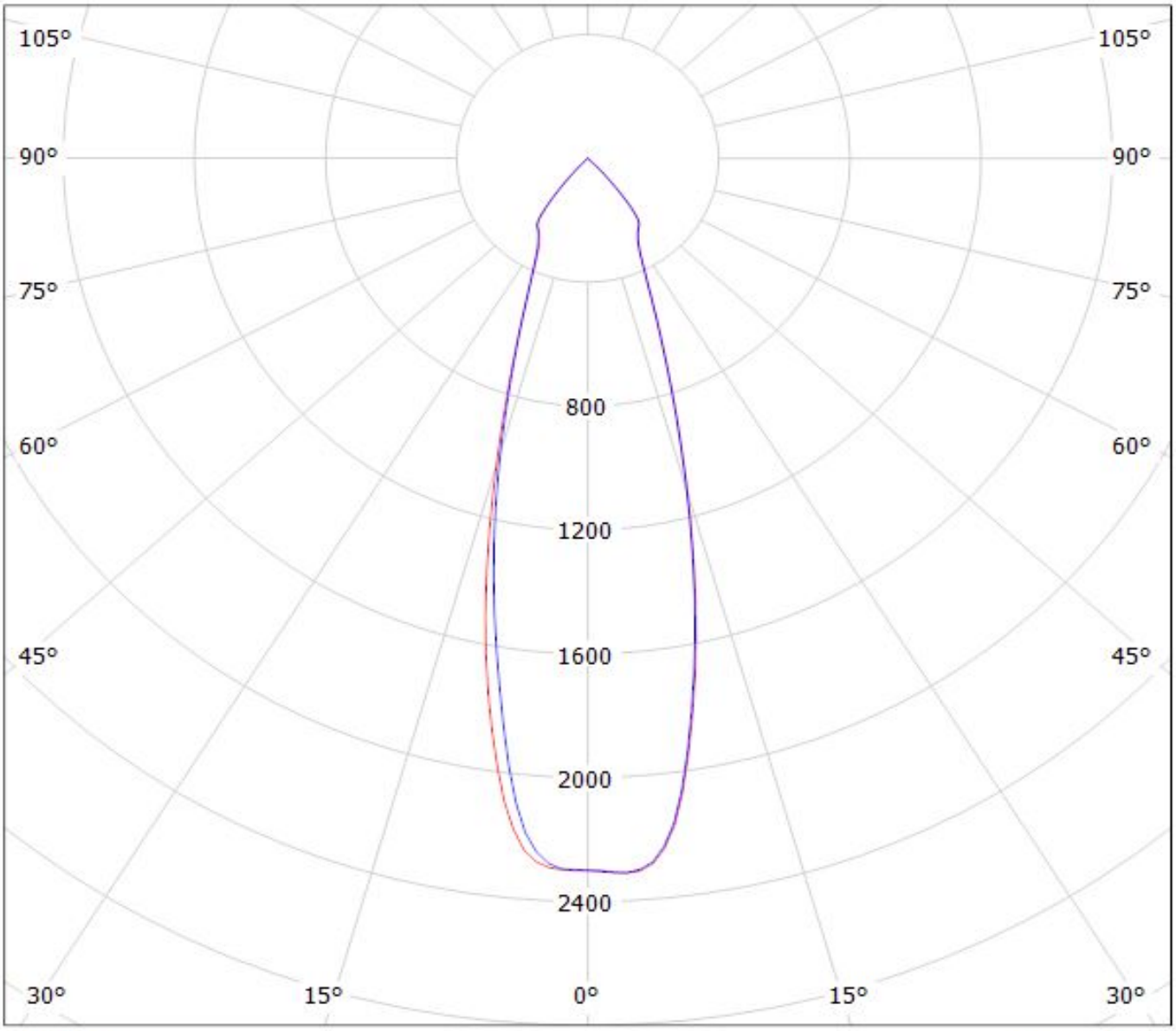


cd/klm

η = 91%

C0 - C180 C90 - C270

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

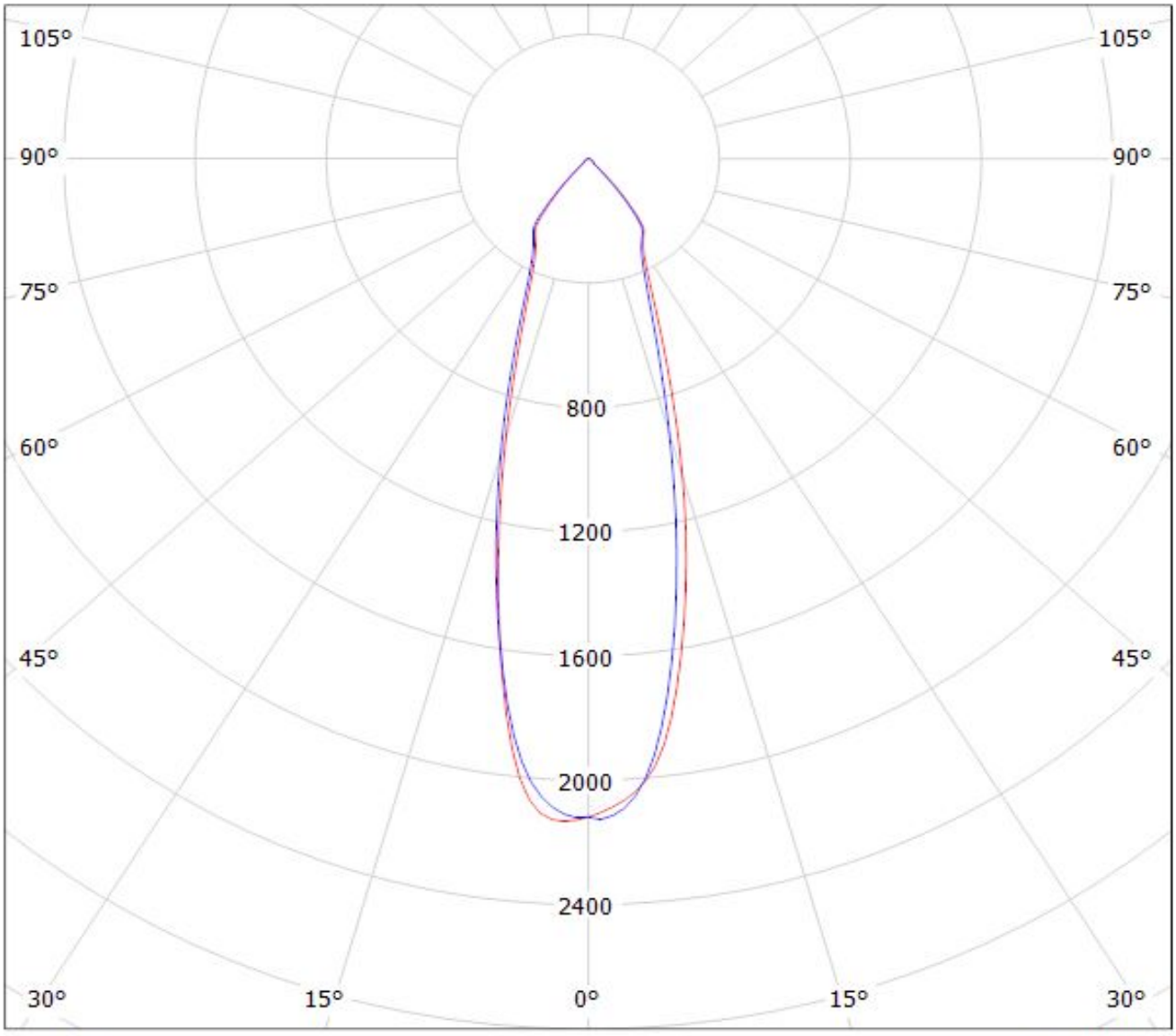


cd/klm

η = 91%

C0 - C180 C90 - C270

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

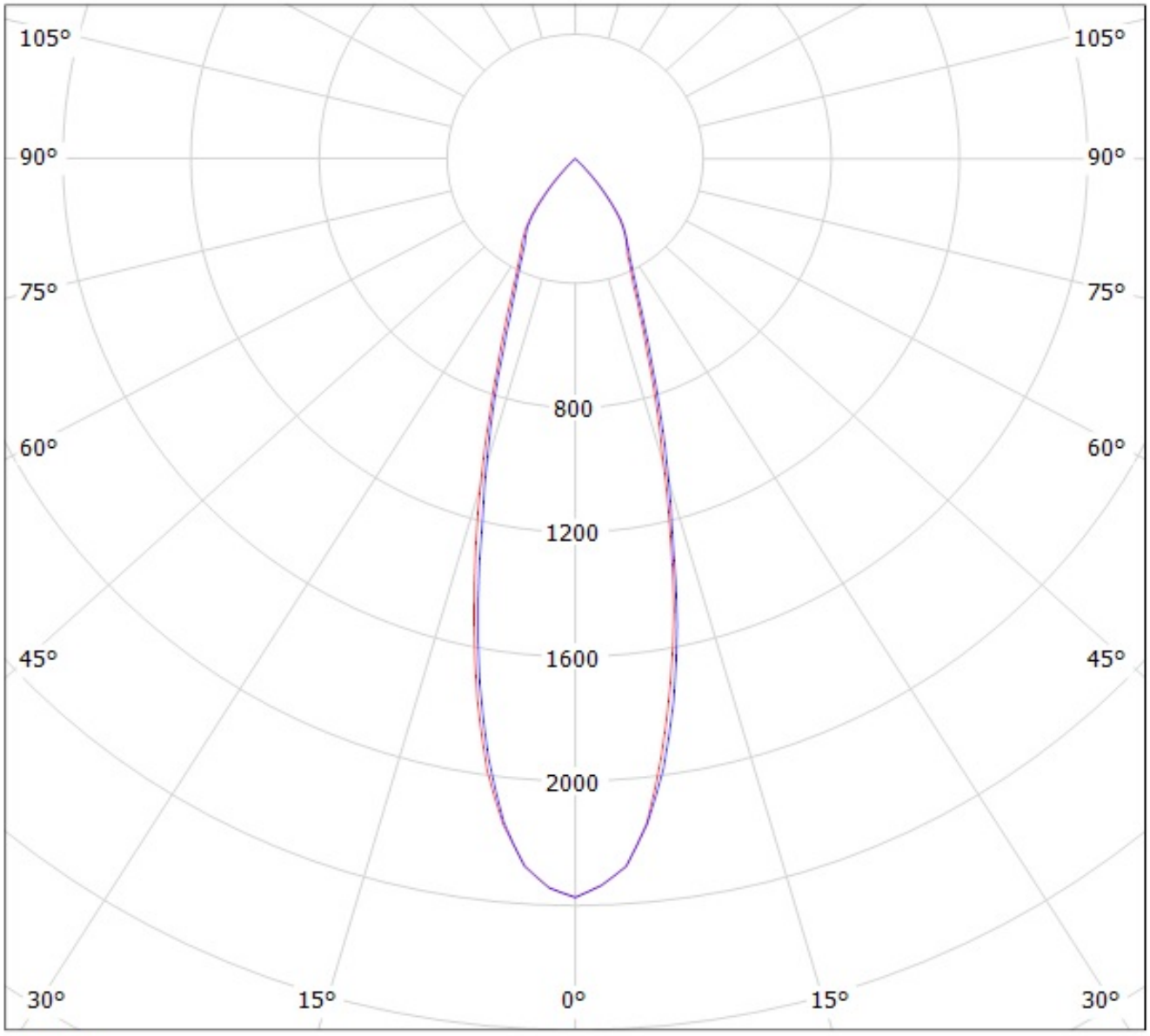


cd/klm

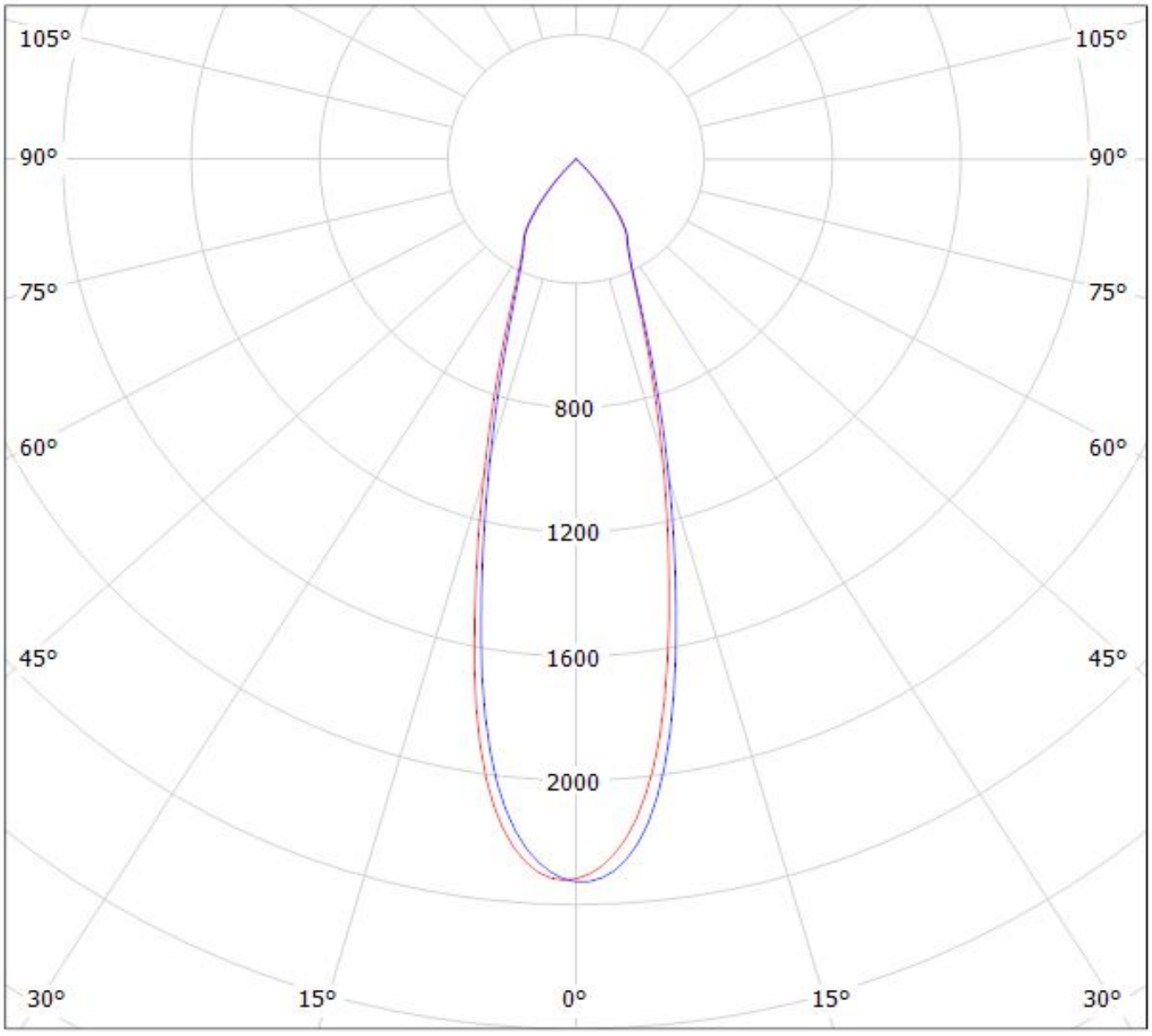
η = 93%

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

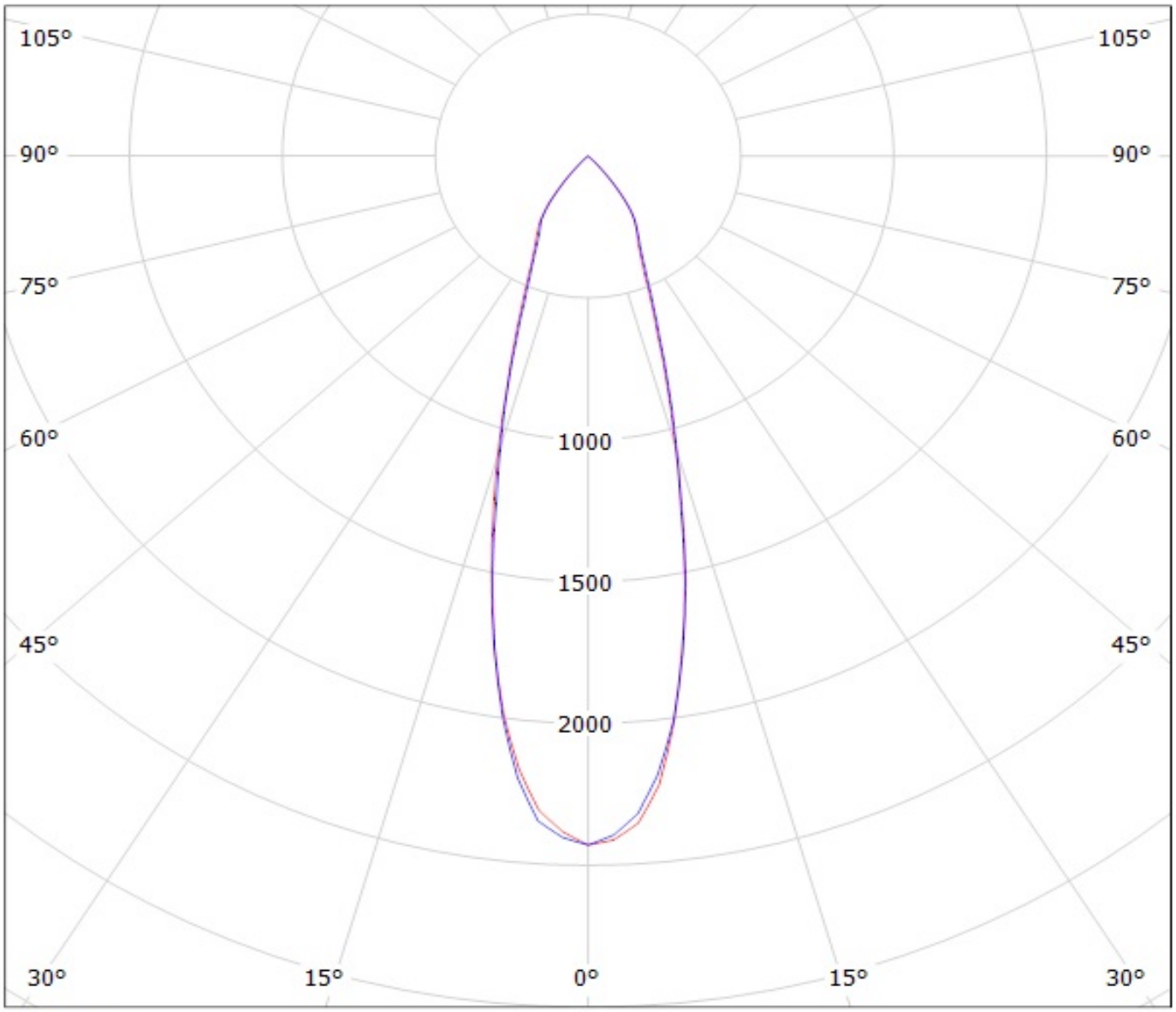


cd/klm

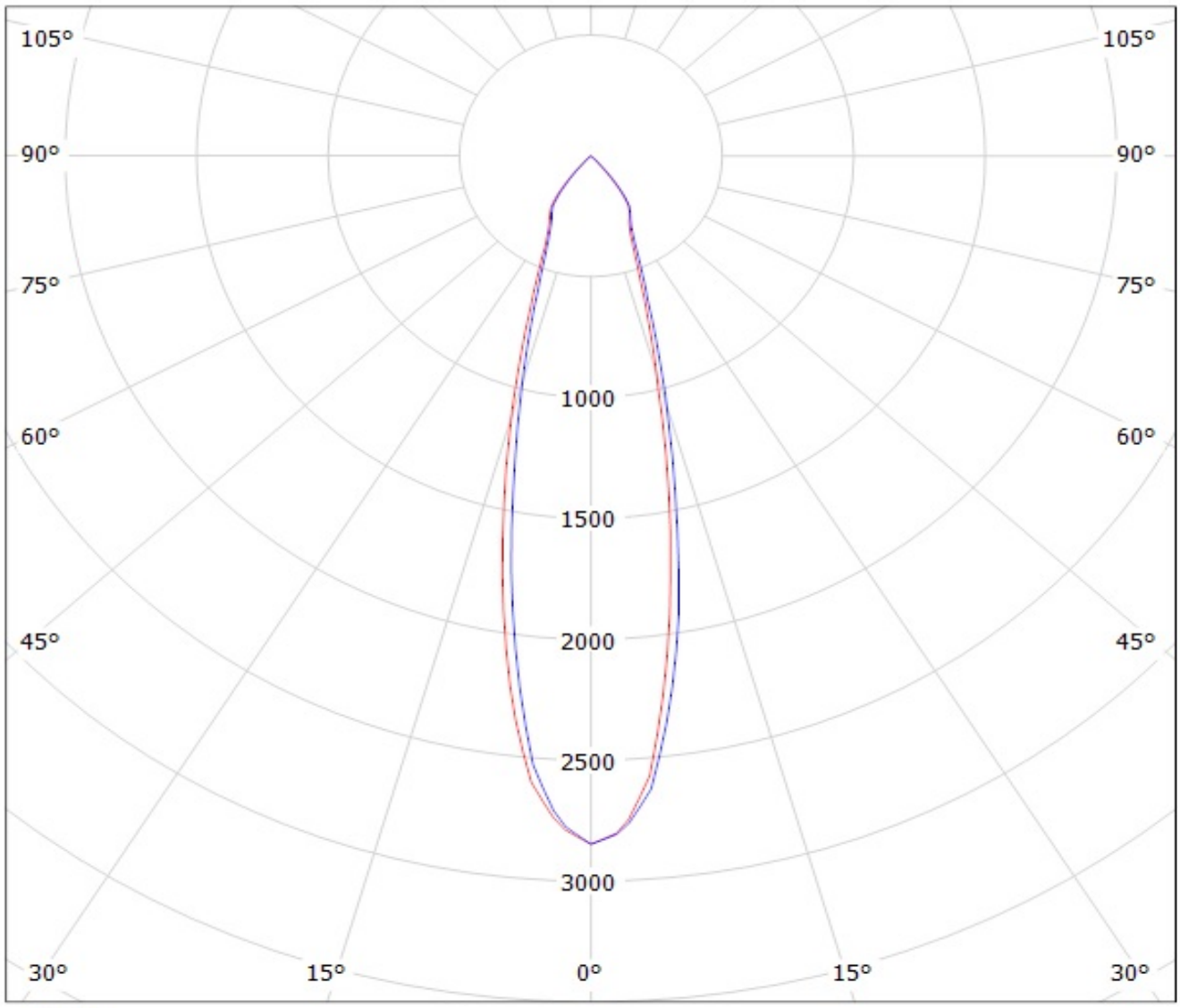
η = 90%

C0 - C180 C90 - C270

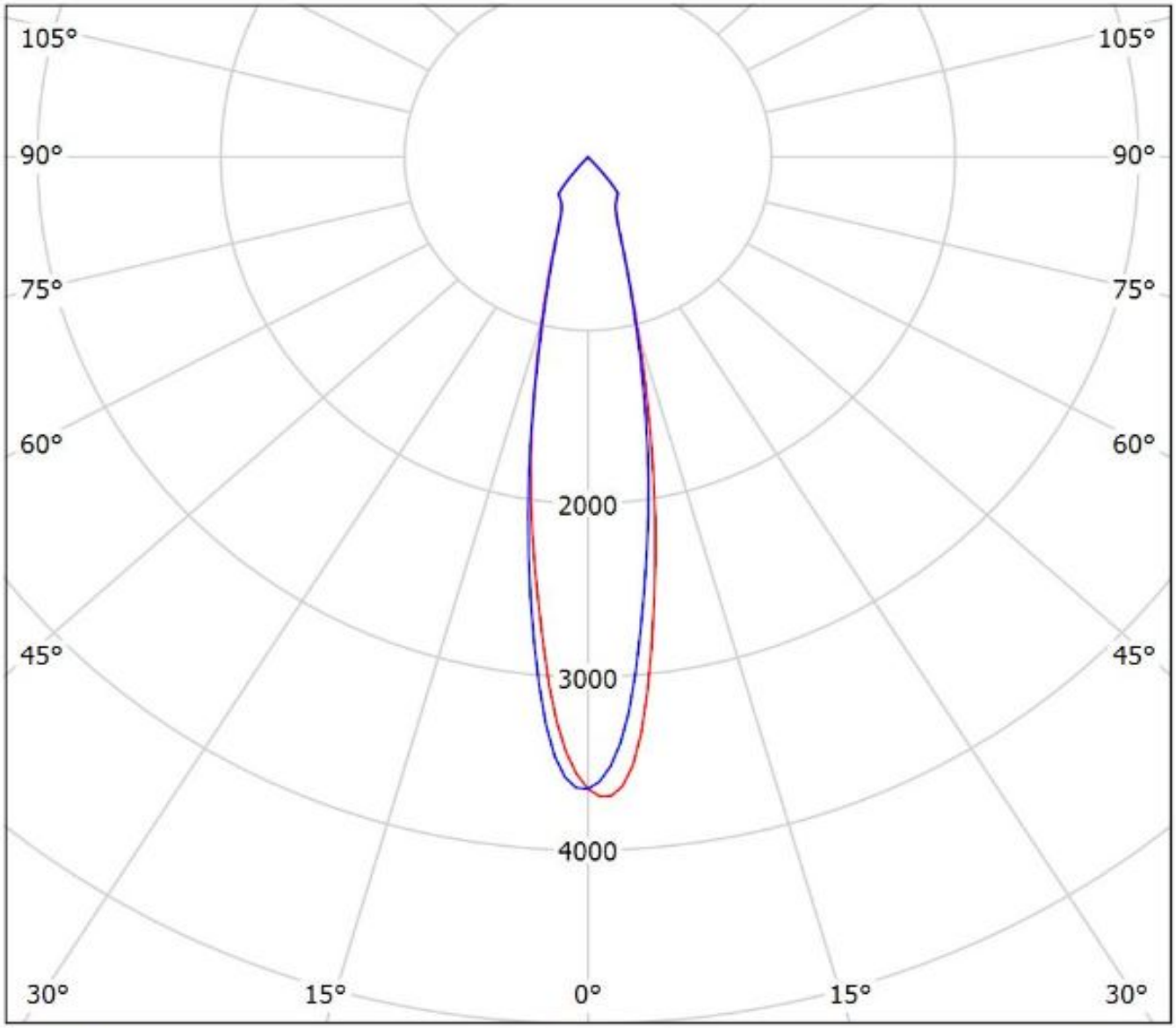
Luminaire: Ledil Oy C12477_MIRELLA-50-M (NSBxL066A 930lm @ 250mA) Efficiency=90%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



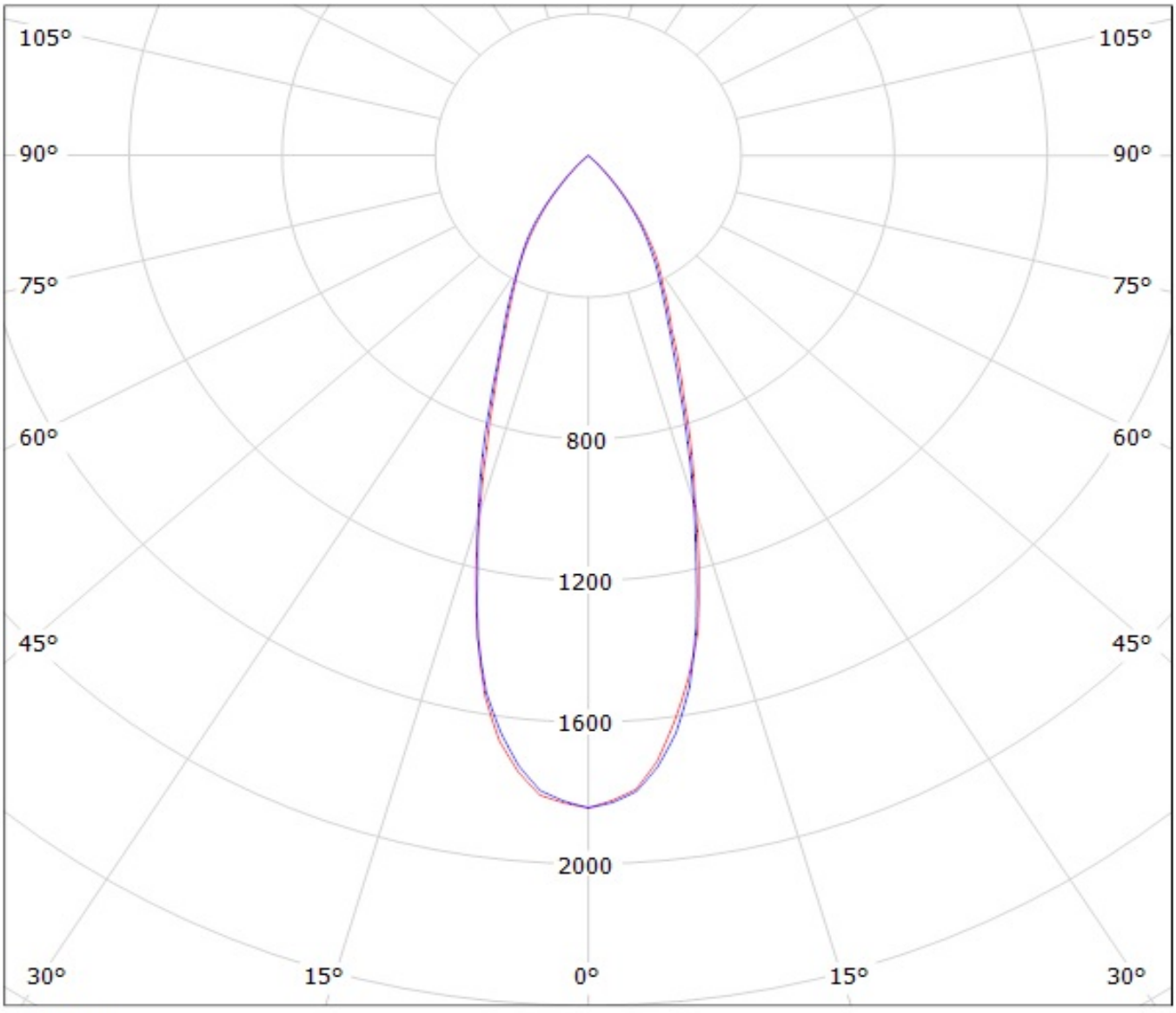
Luminaire: Ledil Oy C12477_MIRELLA-50-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



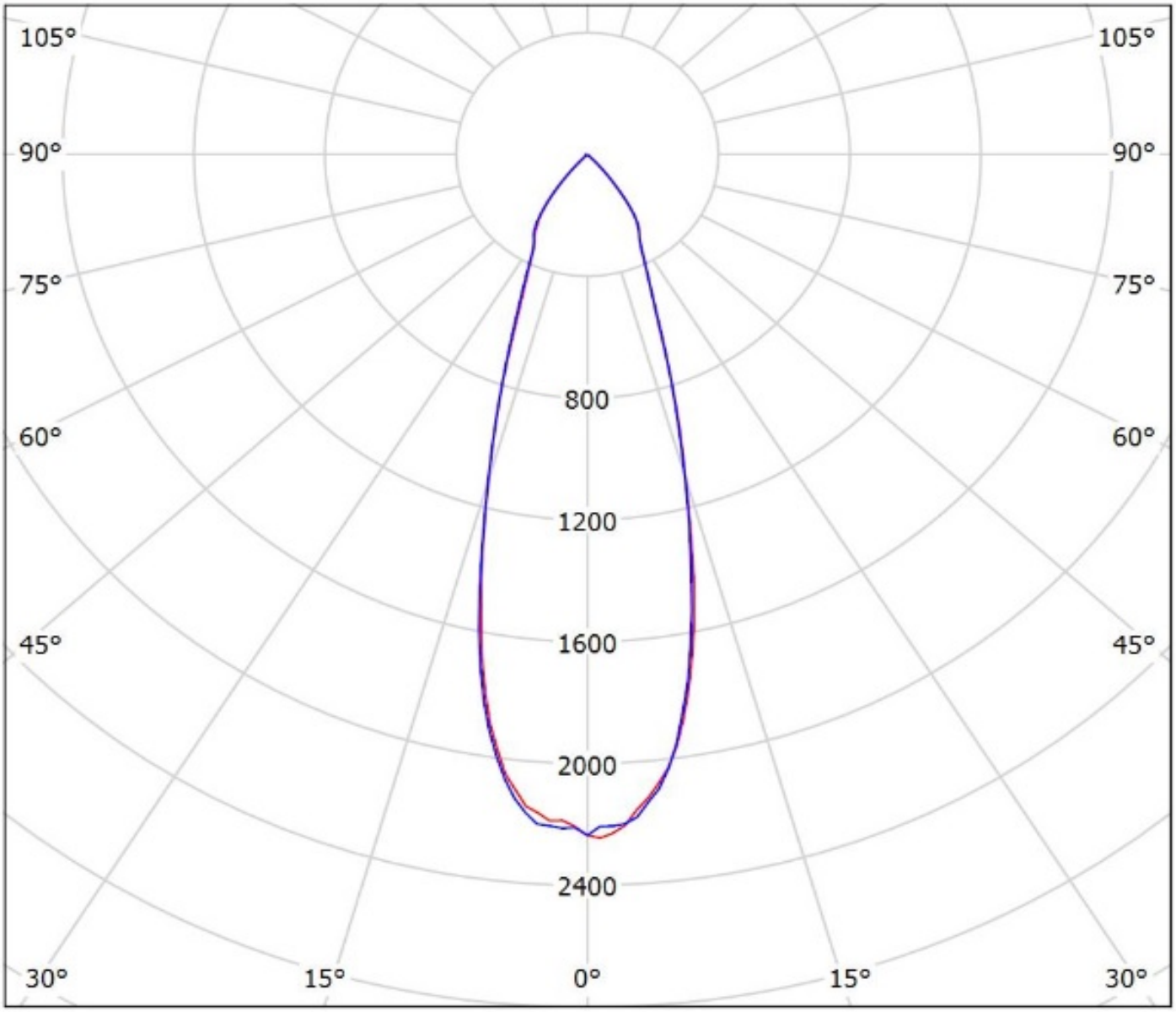
Luminaire: LEDiL Oy C12477_MIRELLA-50-M_(NFMX48xAR_14chip)
Lamps: 1 x Nichia_NFMX48xAR_14chip_(NFMW488AR)_557.972lm@100mA_P=4.0701W_I=0.100A



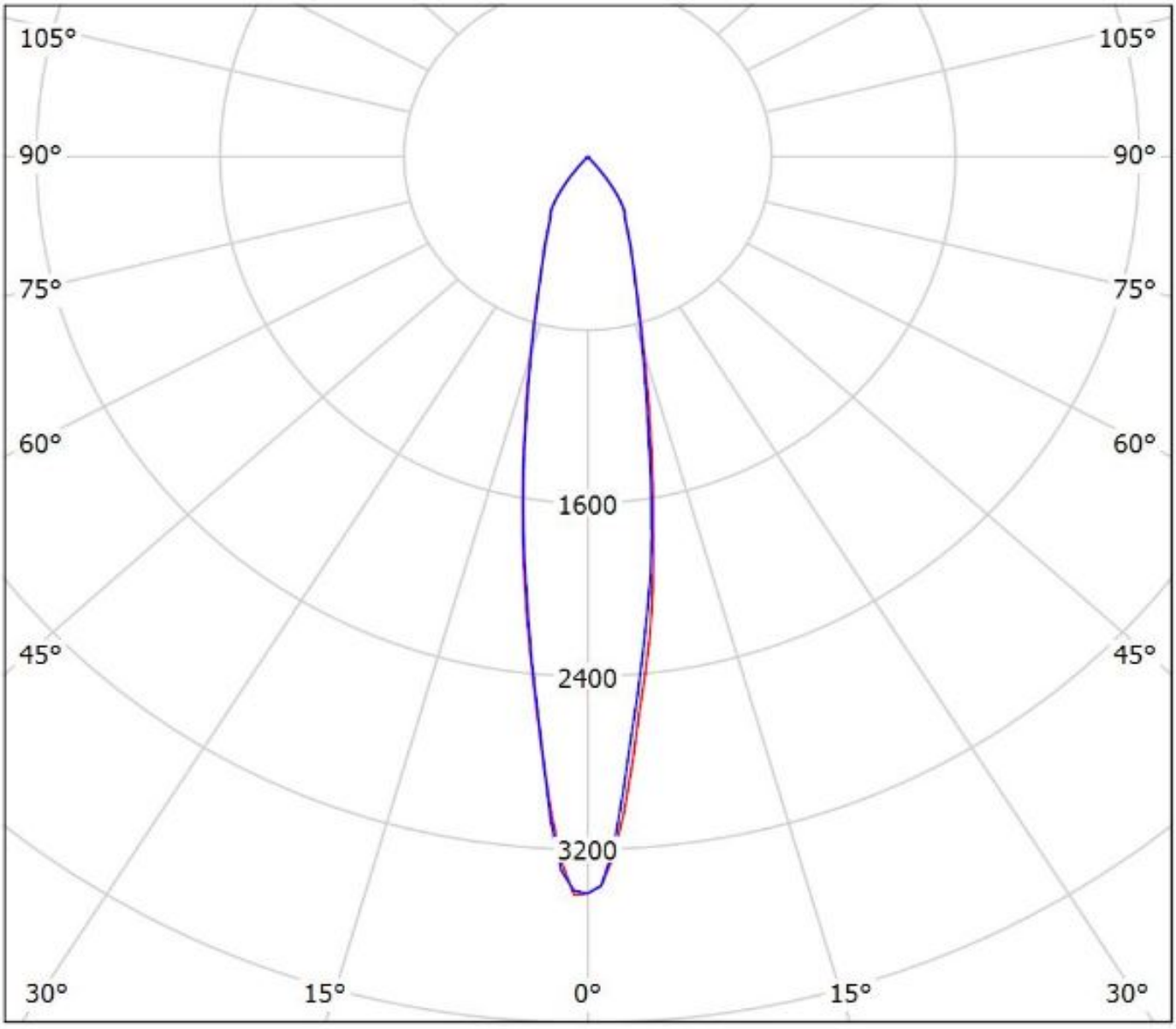
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(Soleriq_S13) Efficiency=87%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



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



Luminaire: LEDiL Oy CN13918_MIRELLA-50-S-PF-VERO13_(Soleriq P9+461 Typ L1)
Lamps: 1 x Soleriq P9+461 Typ L1_881.86lm@250mA_P=6.96846W_I=250mA

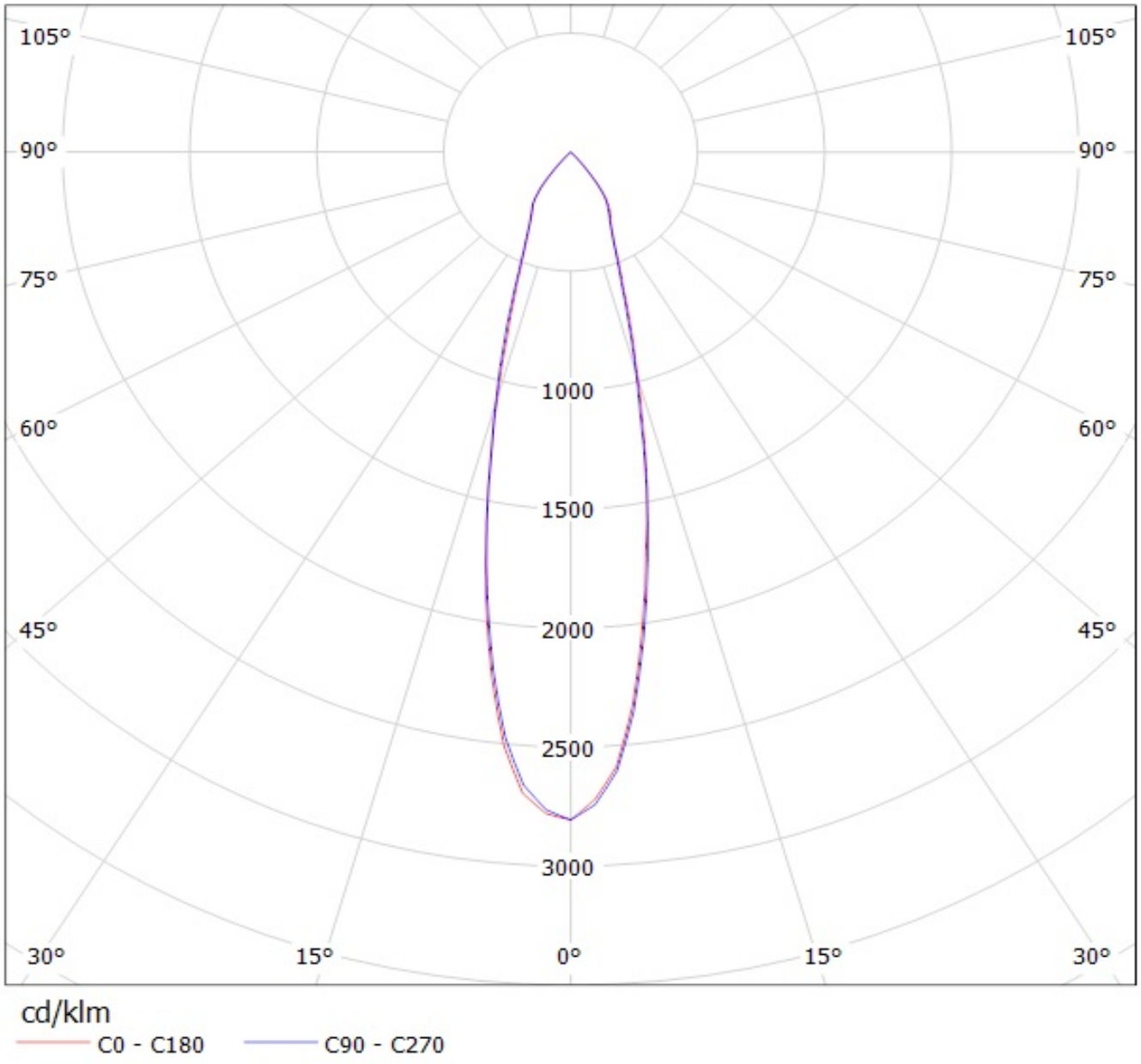


cd/klm

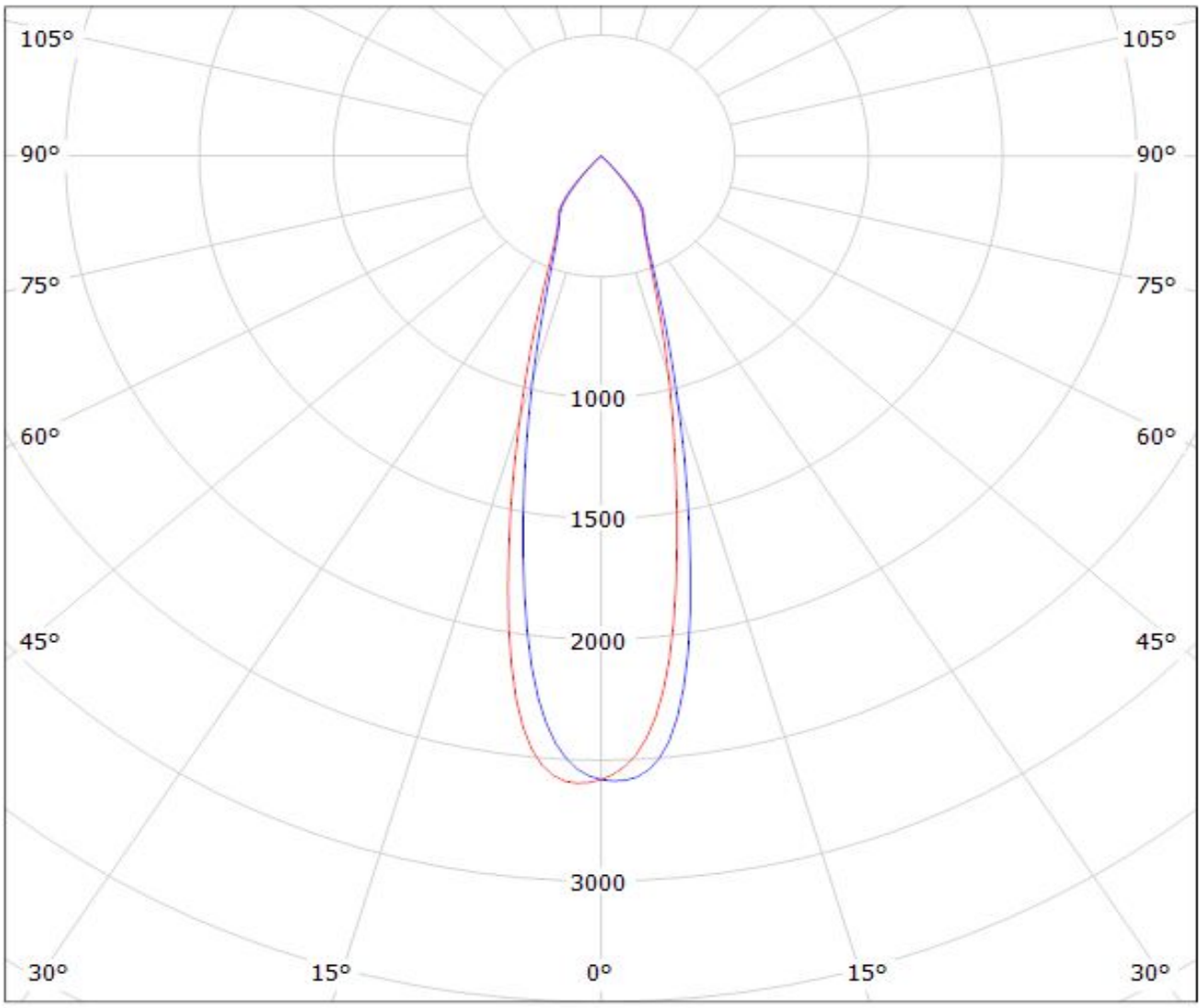
η = 86%

C0 - C180 C90 - C270

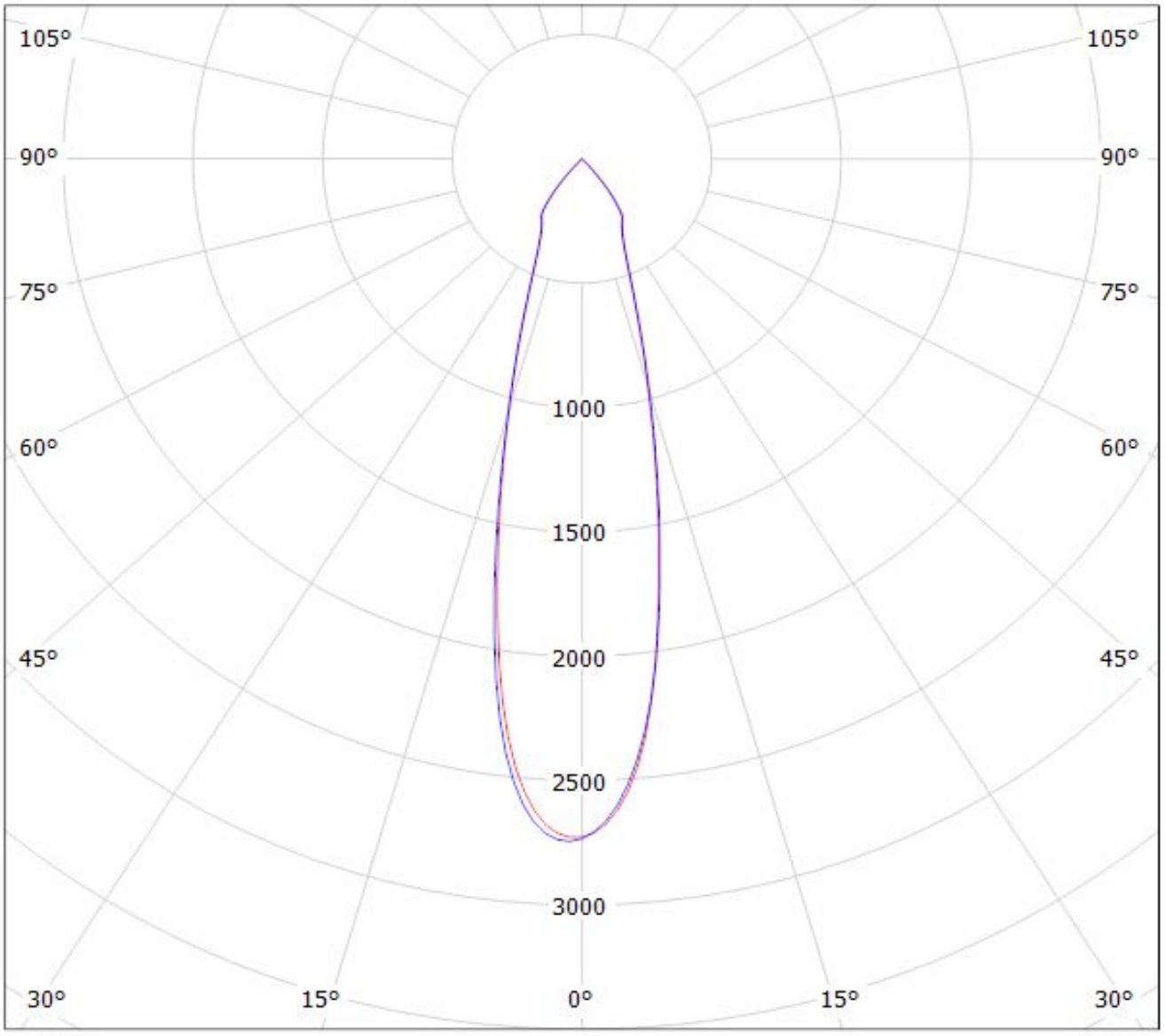
Luminaire: LEDil Oy C12477_MIRELLA-50-M_(ZC6) Efficiency=87%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



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



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

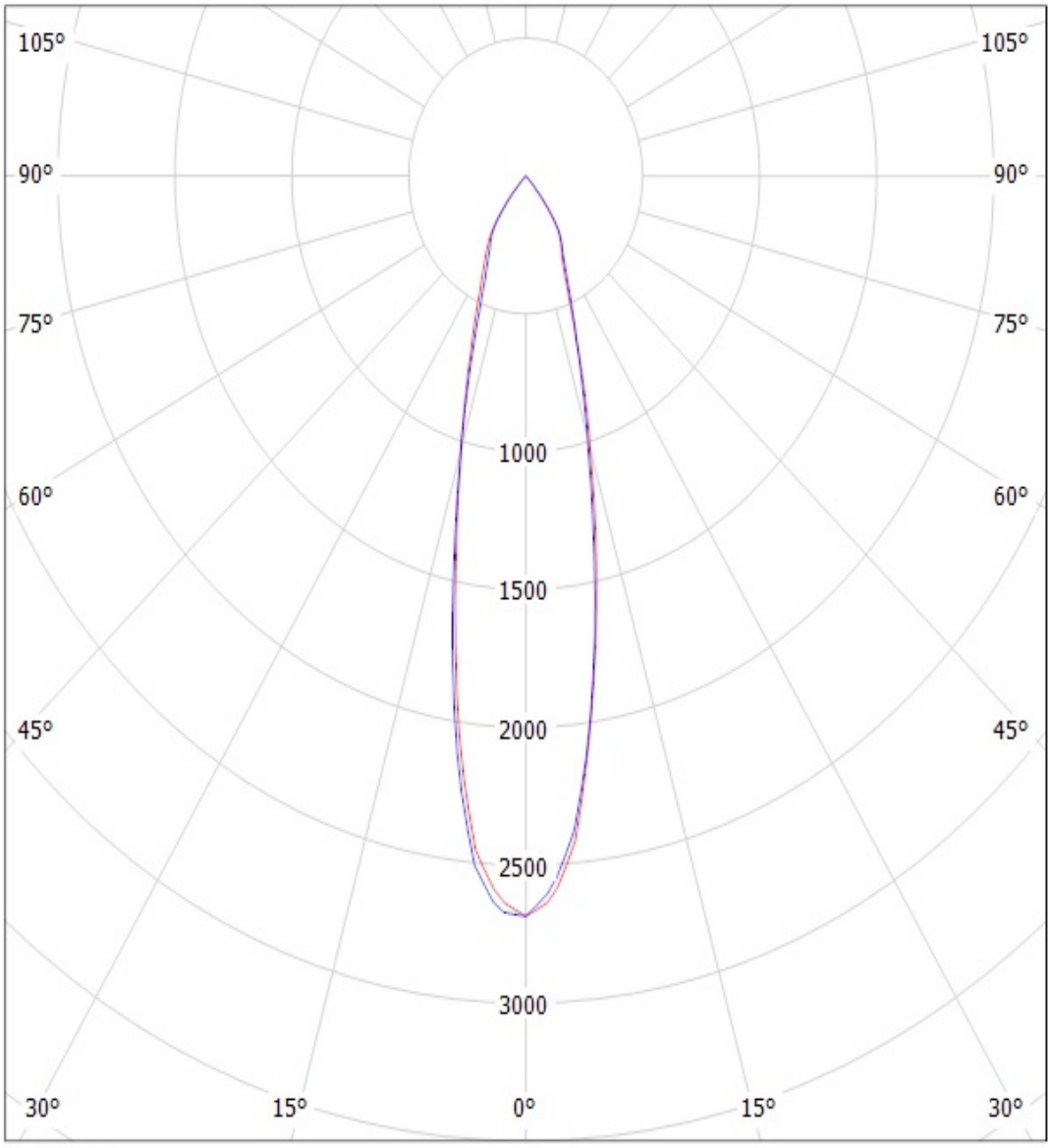


cd/klm

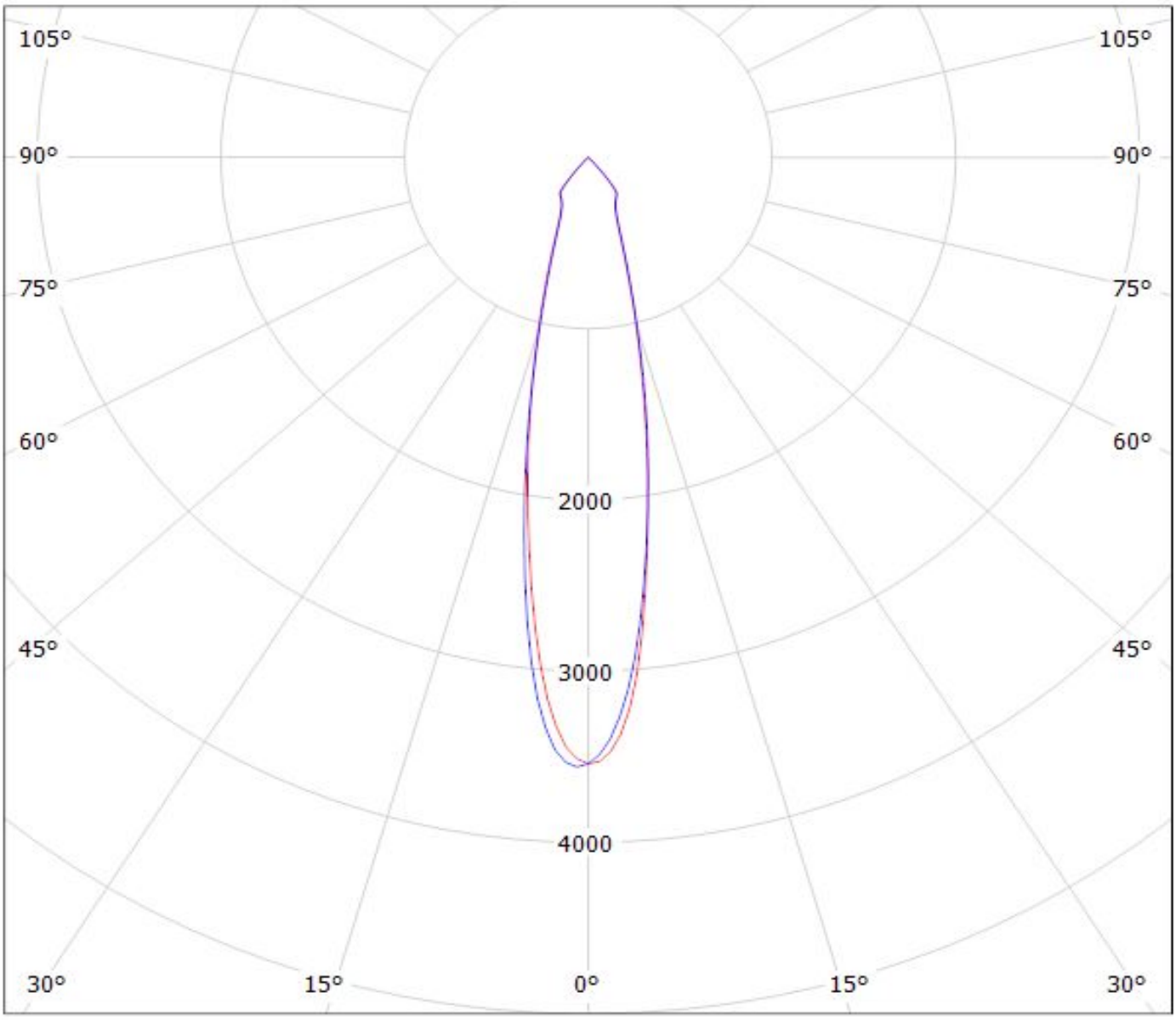
η = 90%

C0 - C180 C90 - C270

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 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

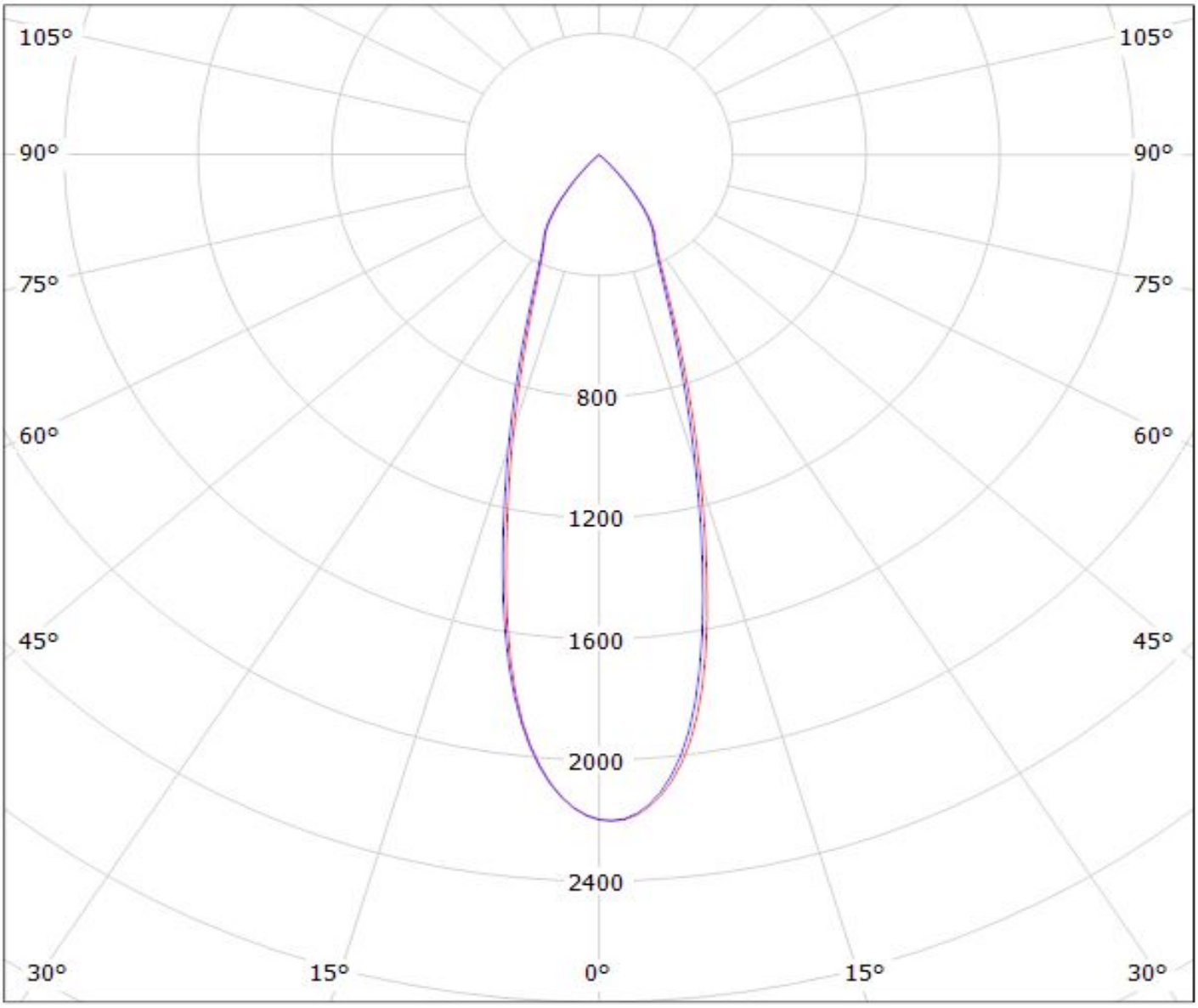


cd/klm

η = 89%

C0 - C180 C90 - C270

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



cd/klm

η = 89%

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.

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.