PRODUCT DATASHEET
Mirella series
last update 31/10/2016

DETAILS

Product Number	CN12484_MIRELLA-50-M-DL
Family	Mirella
Type	RefPack
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	31/10/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
BXRA LS	35 deg	Medium	83 %	1.600	-
CLL01x	39 deg	Medium	-	-	-
CLU720/721	38 deg	Medium	82 %	1.400	-
CLU710/711	35 deg	Medium	81 %	1.500	-
CLU700/701	29 deg	Medium	84 %	2.200	-
CLL02x/CLU02x (LES10)	35 deg	Medium	82 %	1.650	-
MT-G2	38 deg	Medium	83 %	1.700	-
CXA/B 15xx	34 deg	Medium	89 %	1.700	-
CXA/B 13xx	26 deg	Medium	80 %	2.400	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	39 deg	Medium	83 %	1.600	-
XHP50	33 deg	Medium	86 %	1.800	-
XHP70	36 deg	Medium	87 %	1.700	-
MHD-E/G	37 deg	Medium	88 %	1.500	-
COB 4W	29 deg	Medium	85 %	2.400	-
LUXEON S1000	28 deg	Medium	-	-	-
LUXEON CoB 1202/1203	35 deg	Medium	85 %	1.900	-
CXM-9	34 deg	Medium	85 %	1.700	-
COB L-Type (LES 9)	34 deg	Medium	84 %	1.900	-
NSCxL036A	32 deg	Medium	85 %	2.100	-
Soleriq S13	39 deg	Medium	81 %	1.500	-
Duris S10	32 deg	Medium	81 %	1.900	-
Soleriq S9	sim: 35	Medium	sim: 85 %	sim: 1.900	-
ZC4/6	32 deg	Medium	83 %	2.100	-
Mini Zenigata (GW6BM)	30 deg	Medium	83 %	1.900	-
STARK SLE PURE G3 LES10	31 deg	Medium	82 %	2.100	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector

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24240 SALO, Finland

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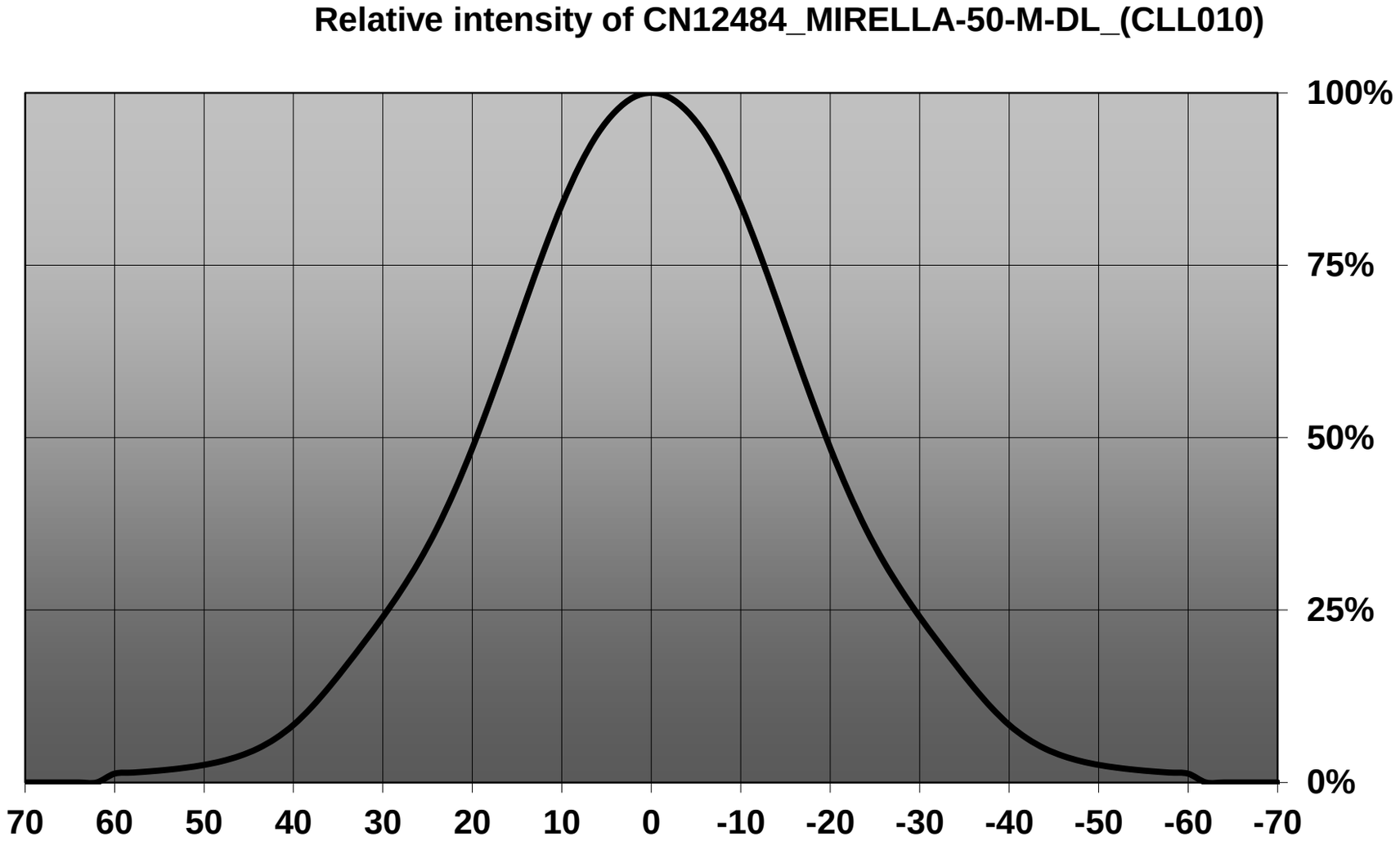
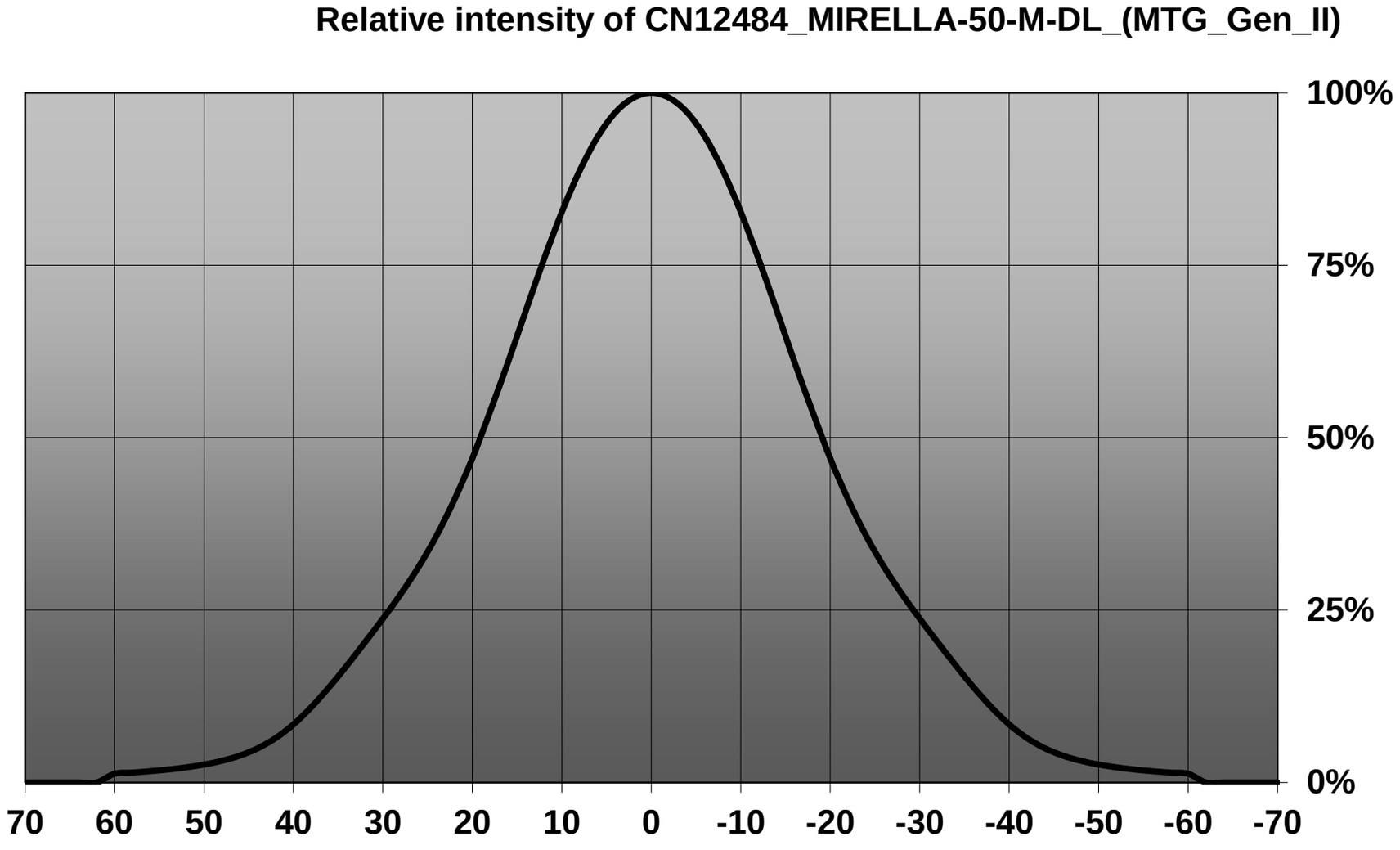

Relative intensity of CN12484_MIRELLA-50-M-DL_(CLL010)
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70


Relative intensity of CN12484_MIRELLA-50-M-DL_(MTG_Gen_II)
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75%
50%
25%
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30
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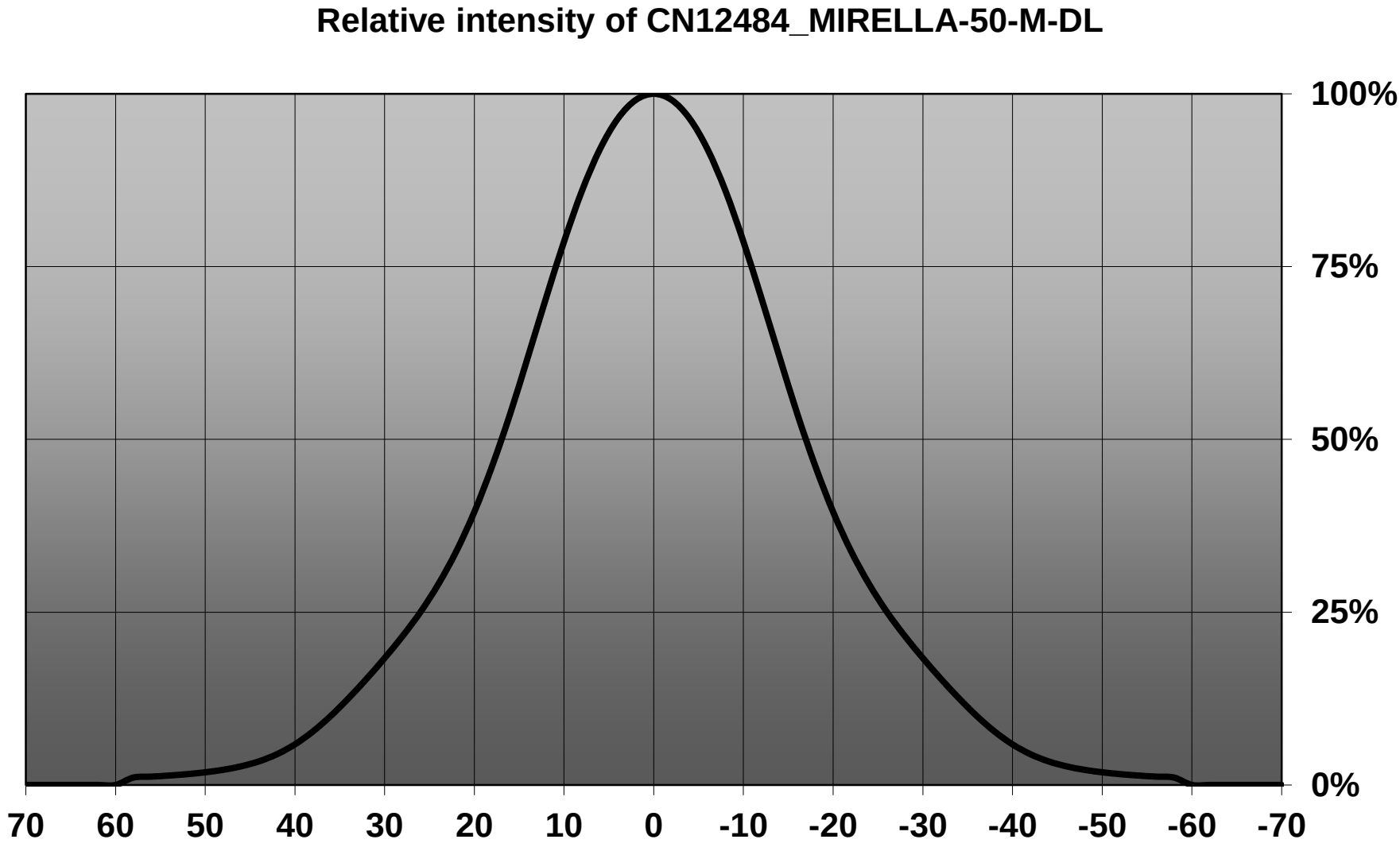
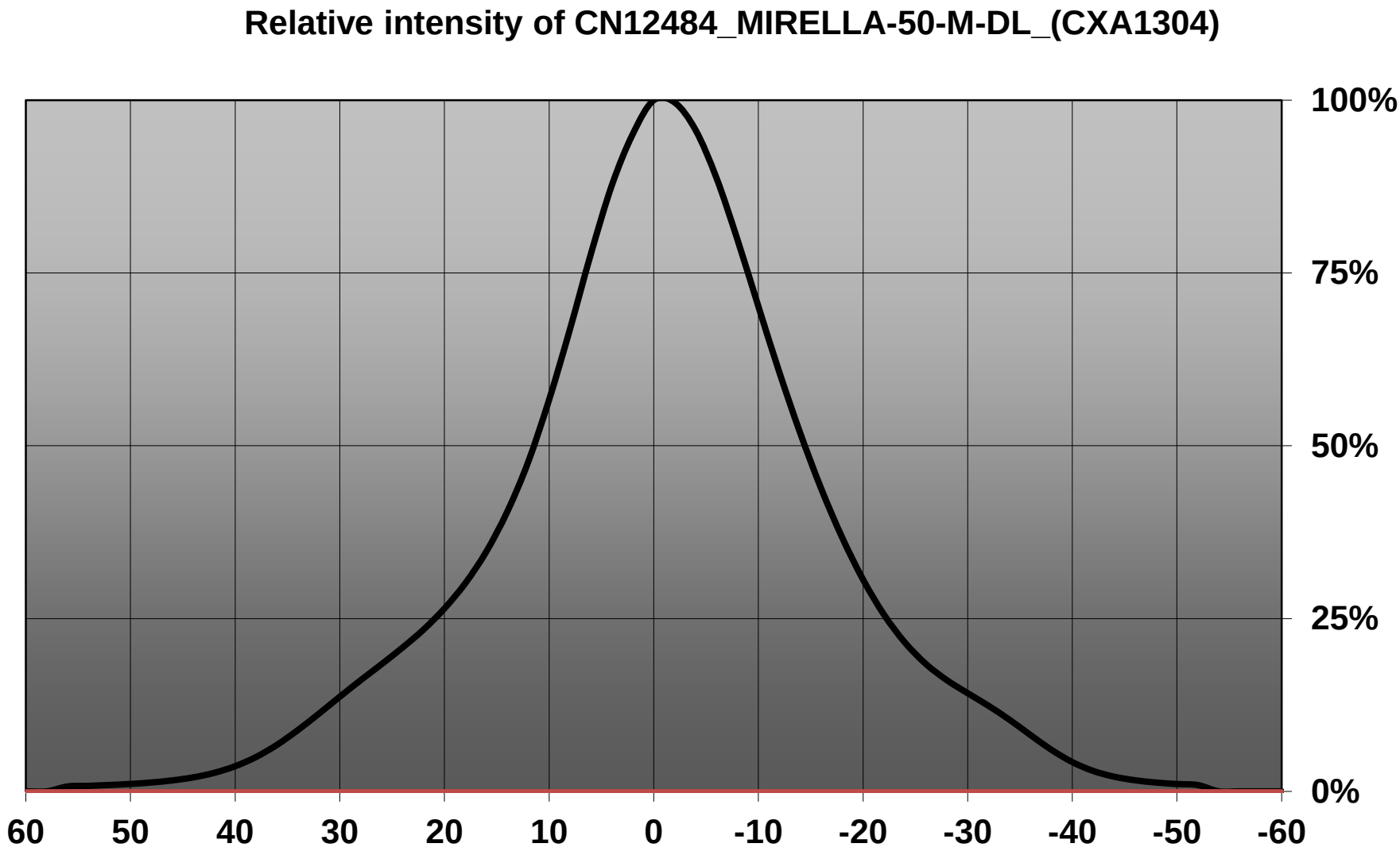
0
-10
-20
-30
-40
-50
-60
-70


Relative intensity of CN12484_MIRELLA-50-M-DL
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70


Relative intensity of CN12484_MIRELLA-50-M-DL_(CXA1304)
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50
40
30
20
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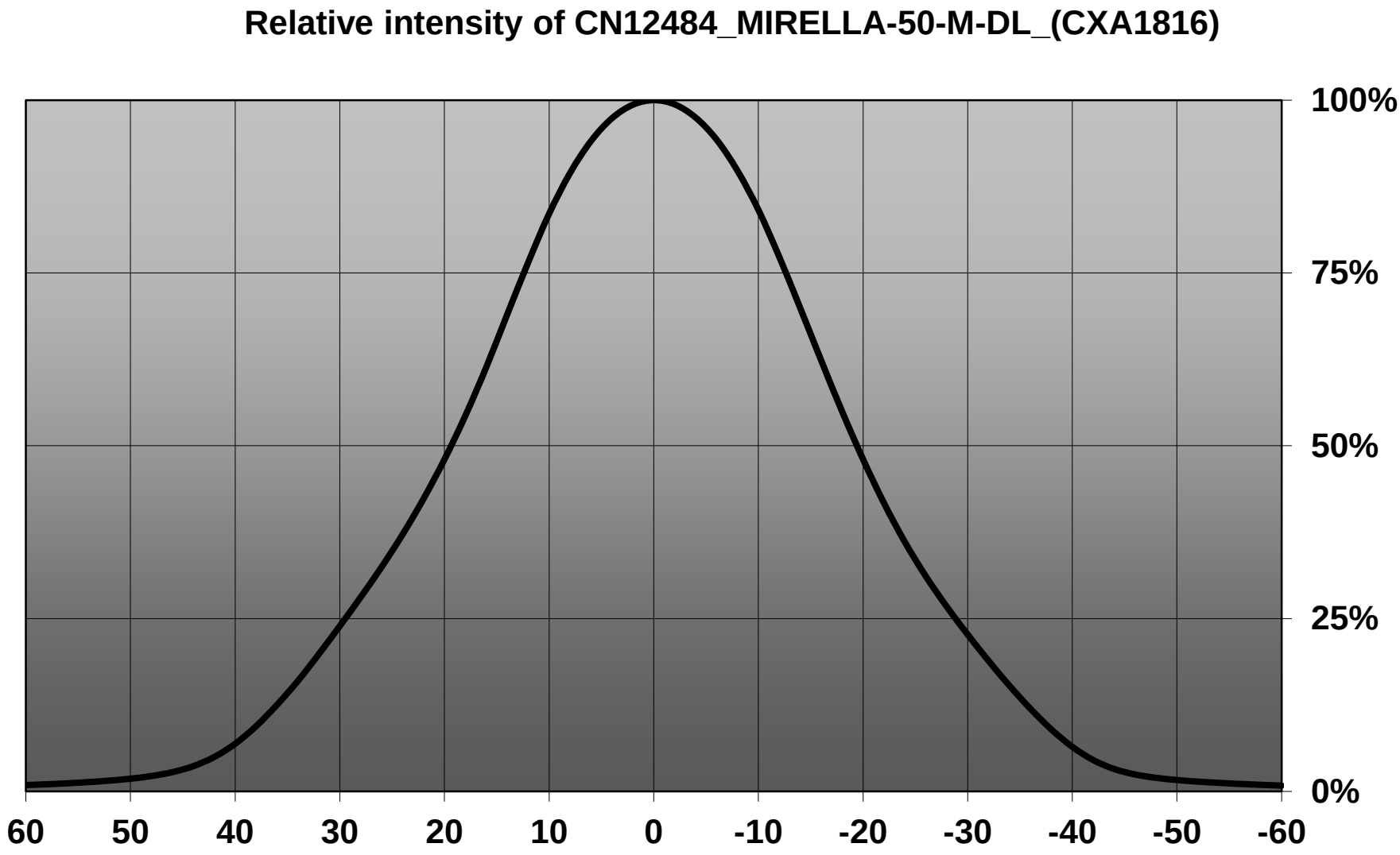
-10
-20
-30
-40
-50
-60


Relative intensity of CN12484_MIRELLA-50-M-DL_(CXA1816)
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50%
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0%
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50
40
30
20
10
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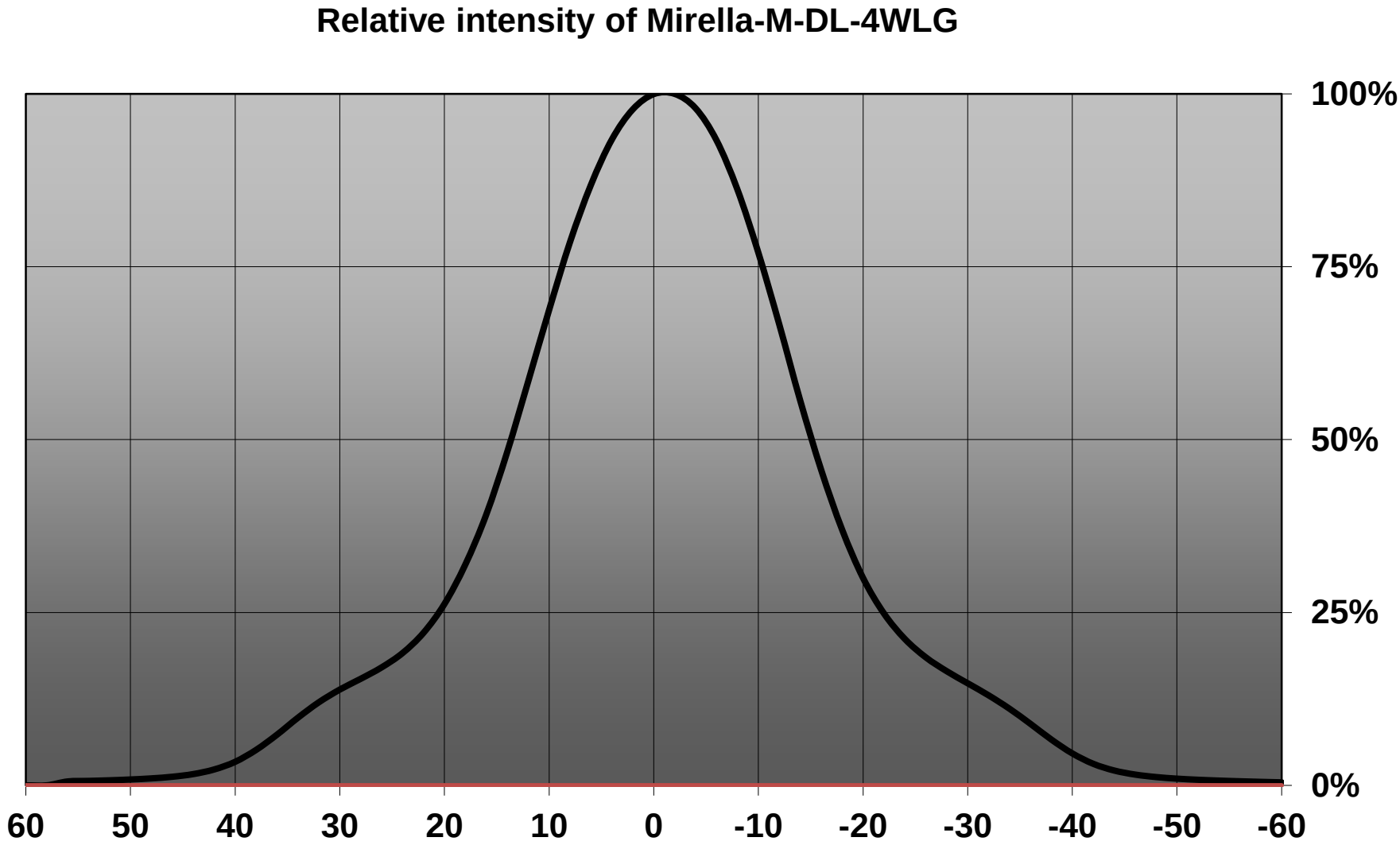
-10
-20
-30
-40
-50
-60


Relative intensity of Mirella-M-DL-4WLG
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50%
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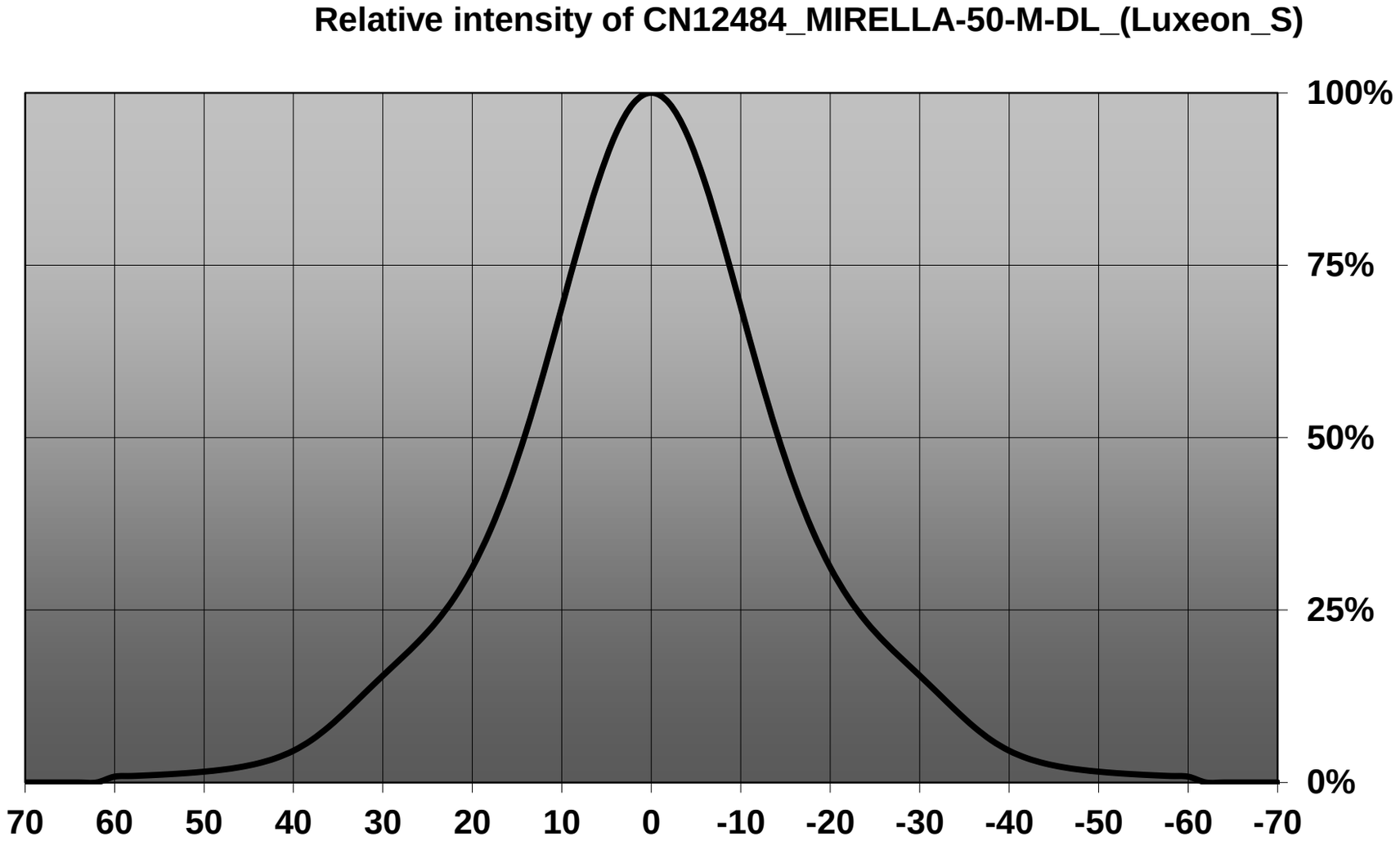
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60


Relative intensity of CN12484_MIRELLA-50-M-DL_(Luxeon_S)
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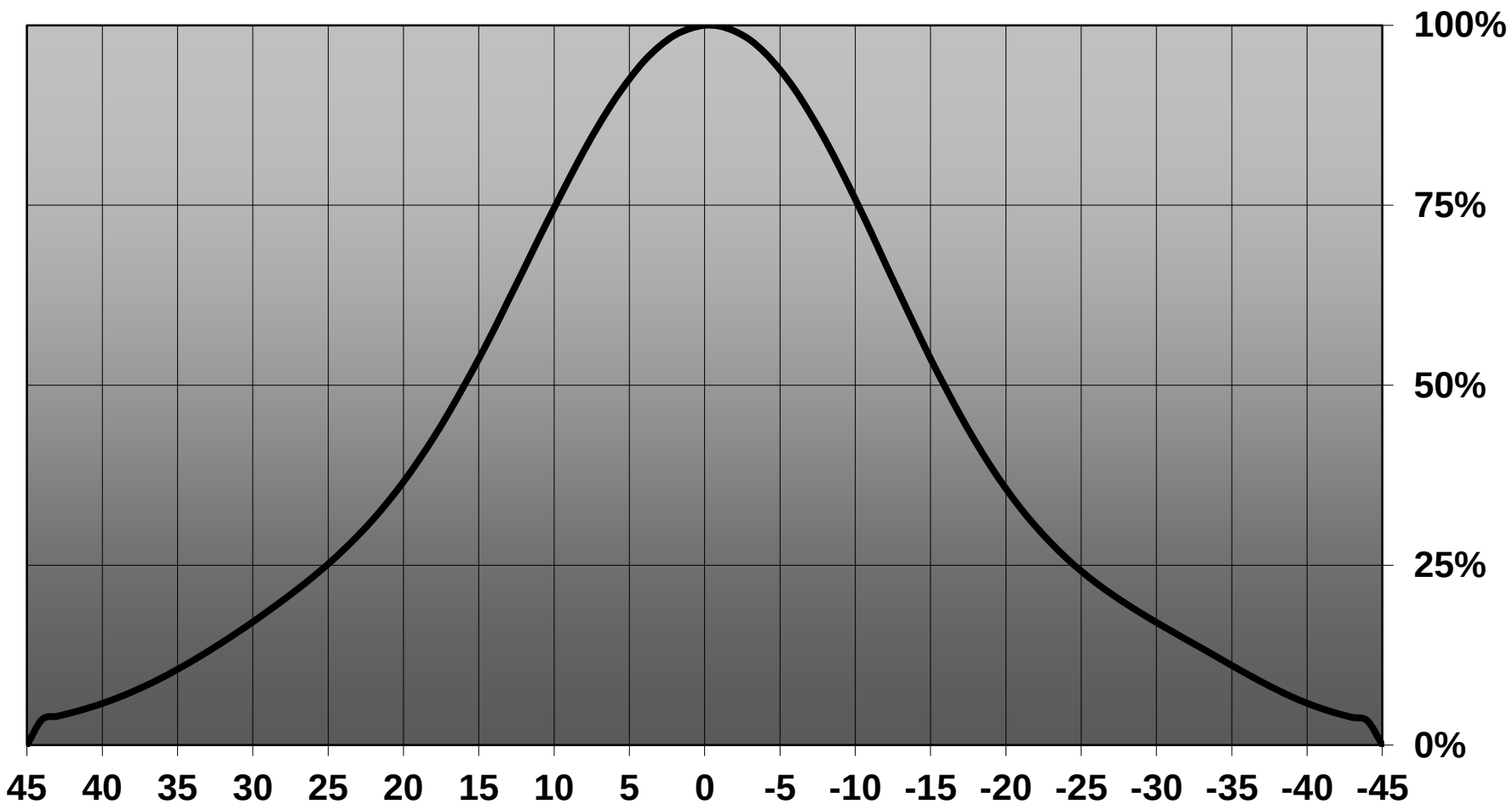
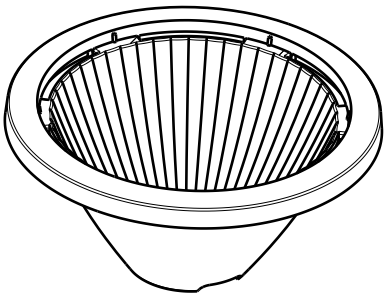
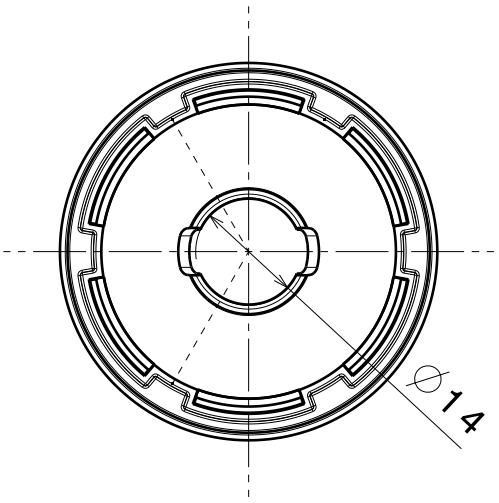
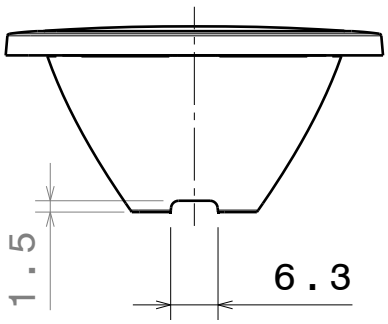
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

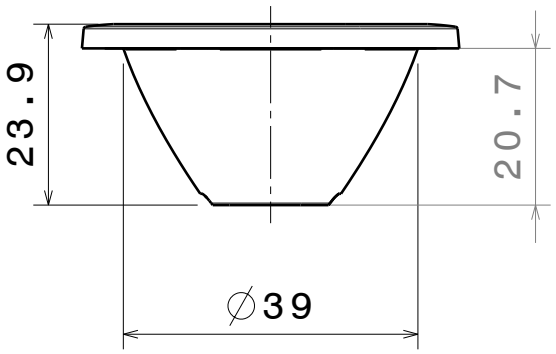
Relative intensity of CN12484_MIRELLA-50-M-DL_(Duris_S10)

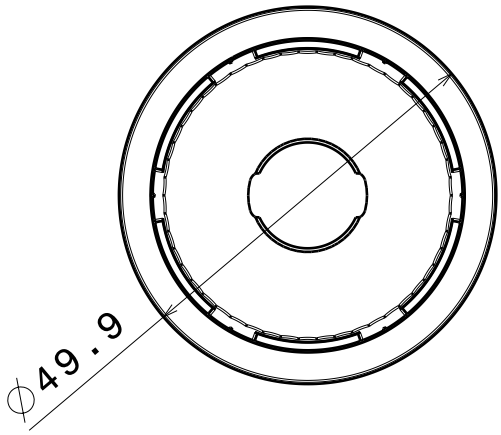










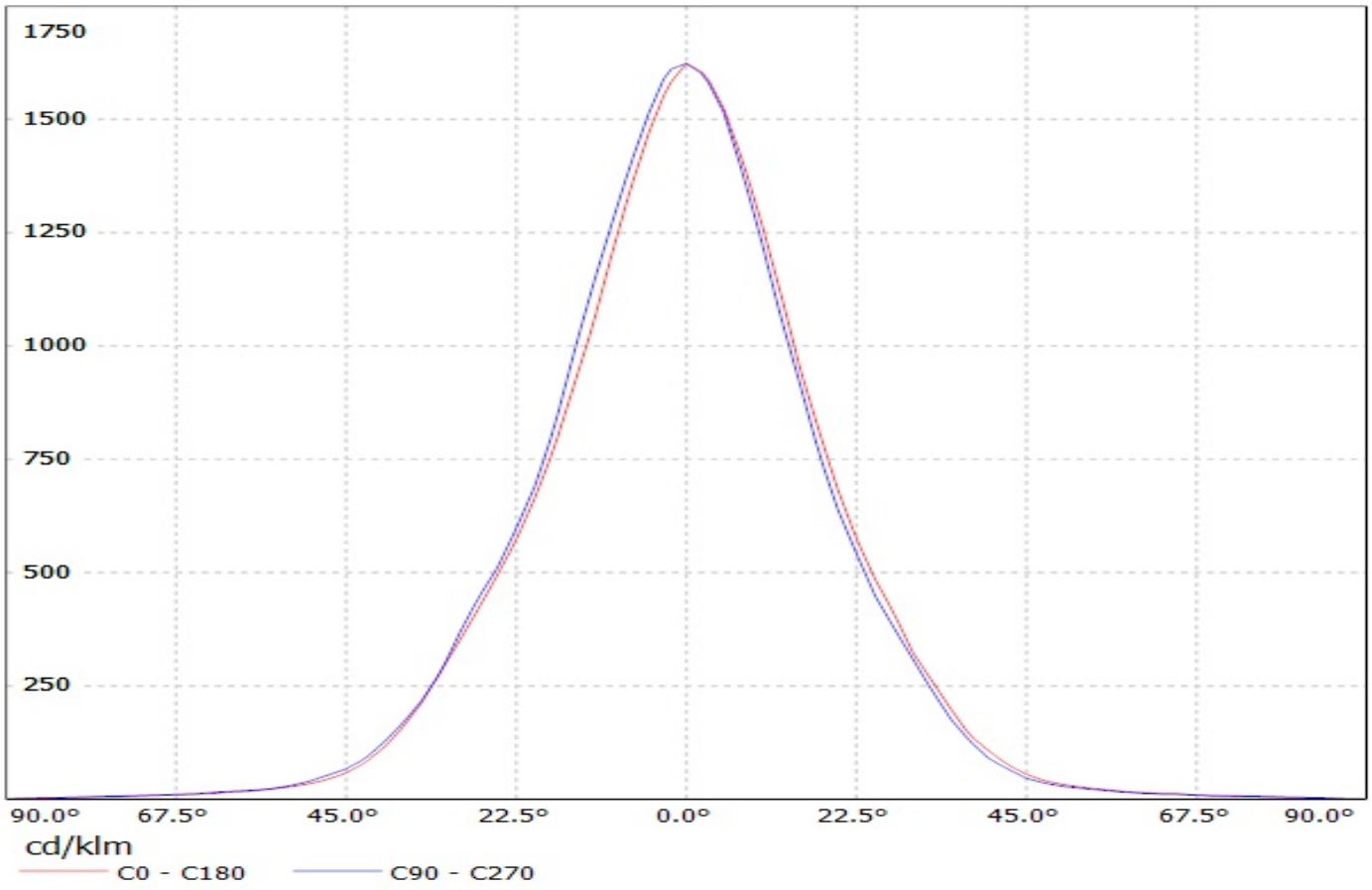


Material: PC, metal plated

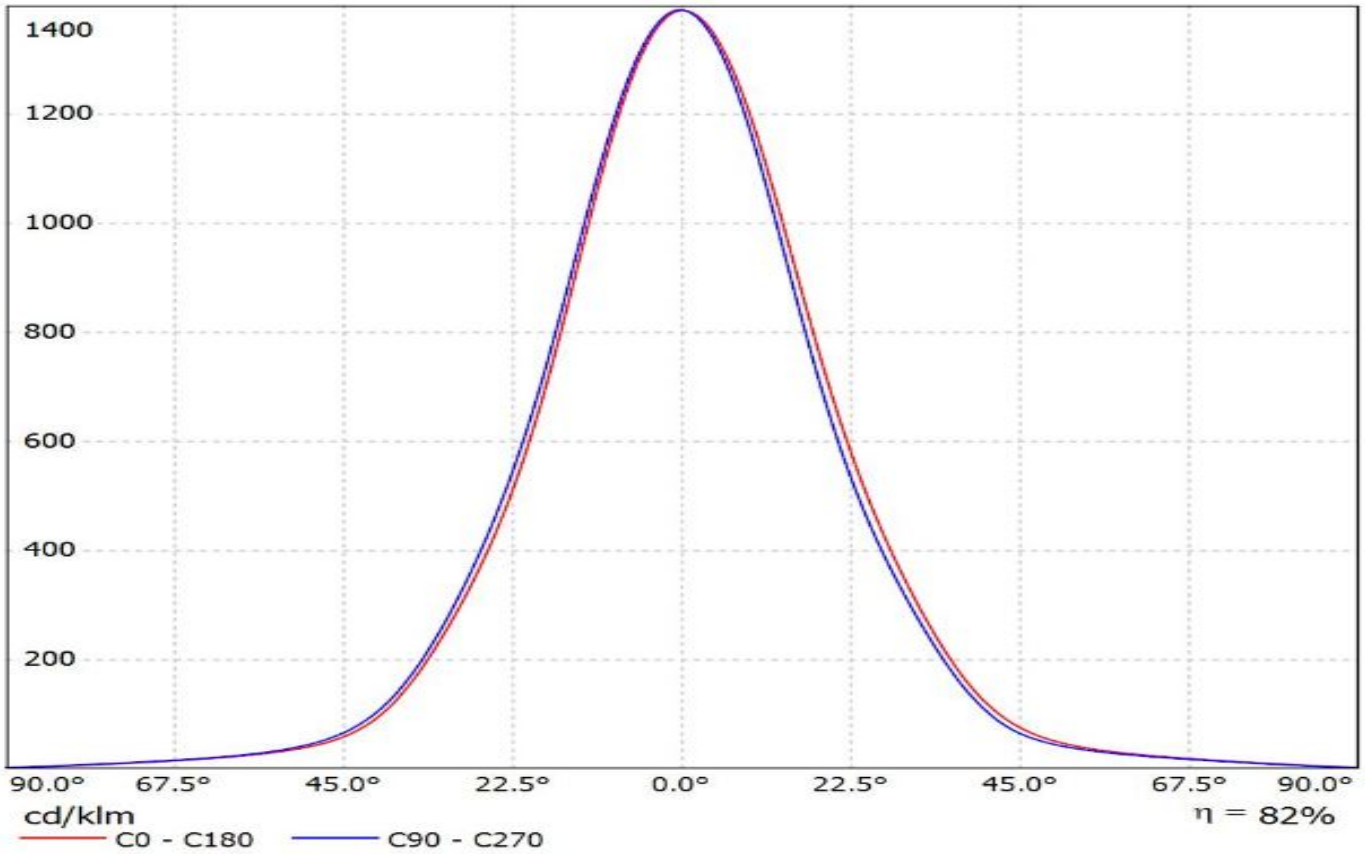
Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

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

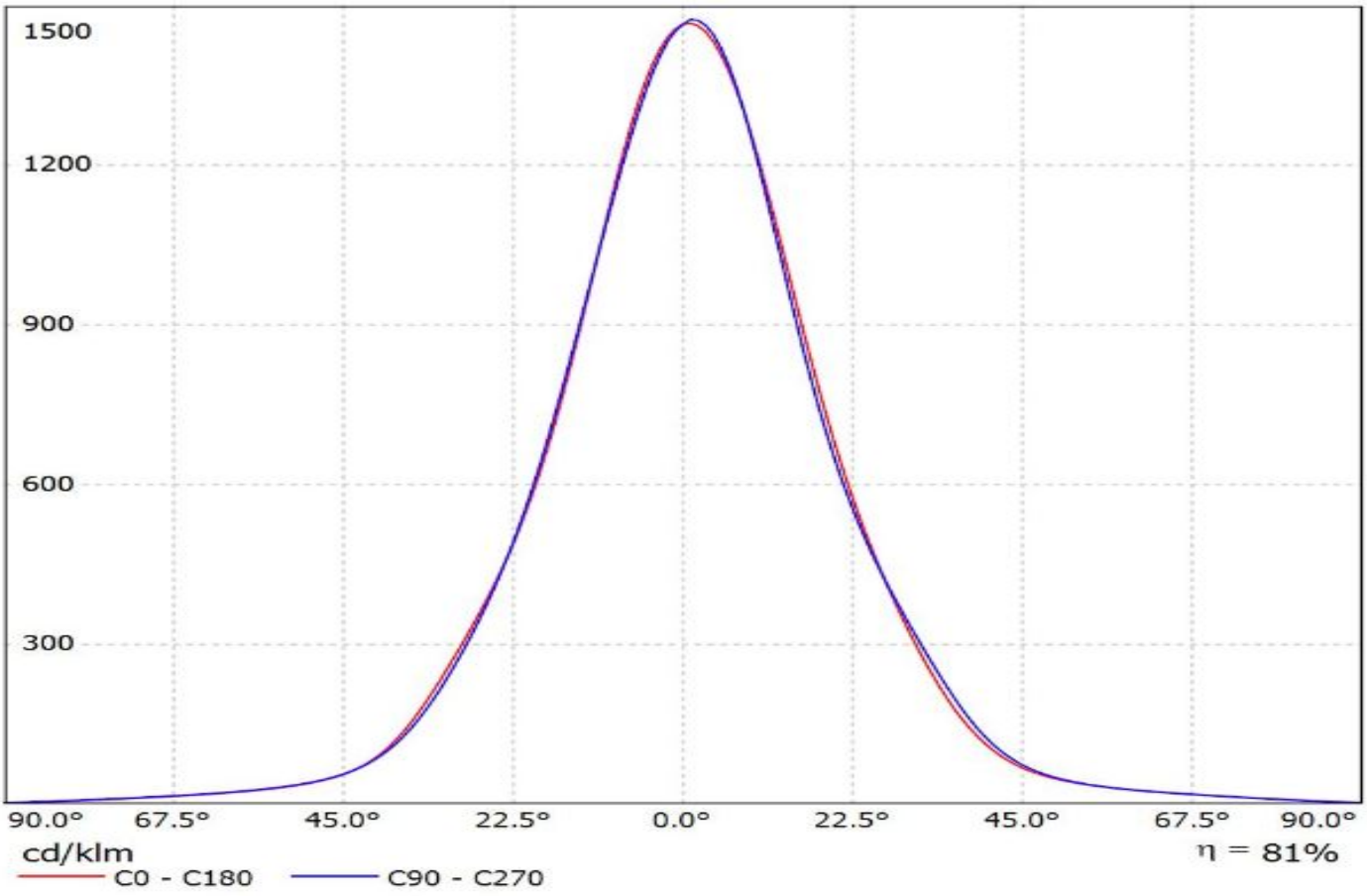
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (Bridgelux LS 170lm @ 250mA) Efficiency=83%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



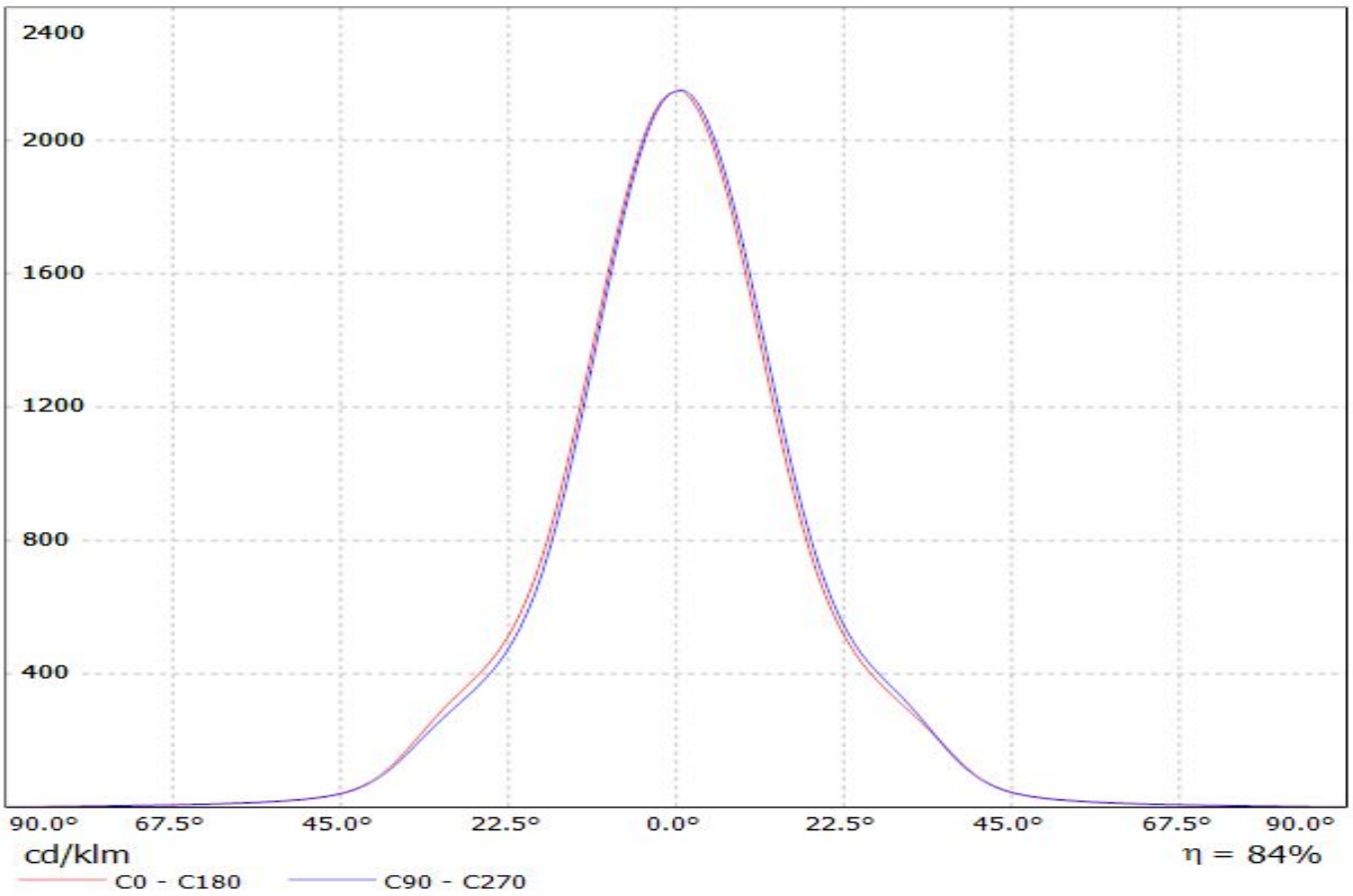
Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



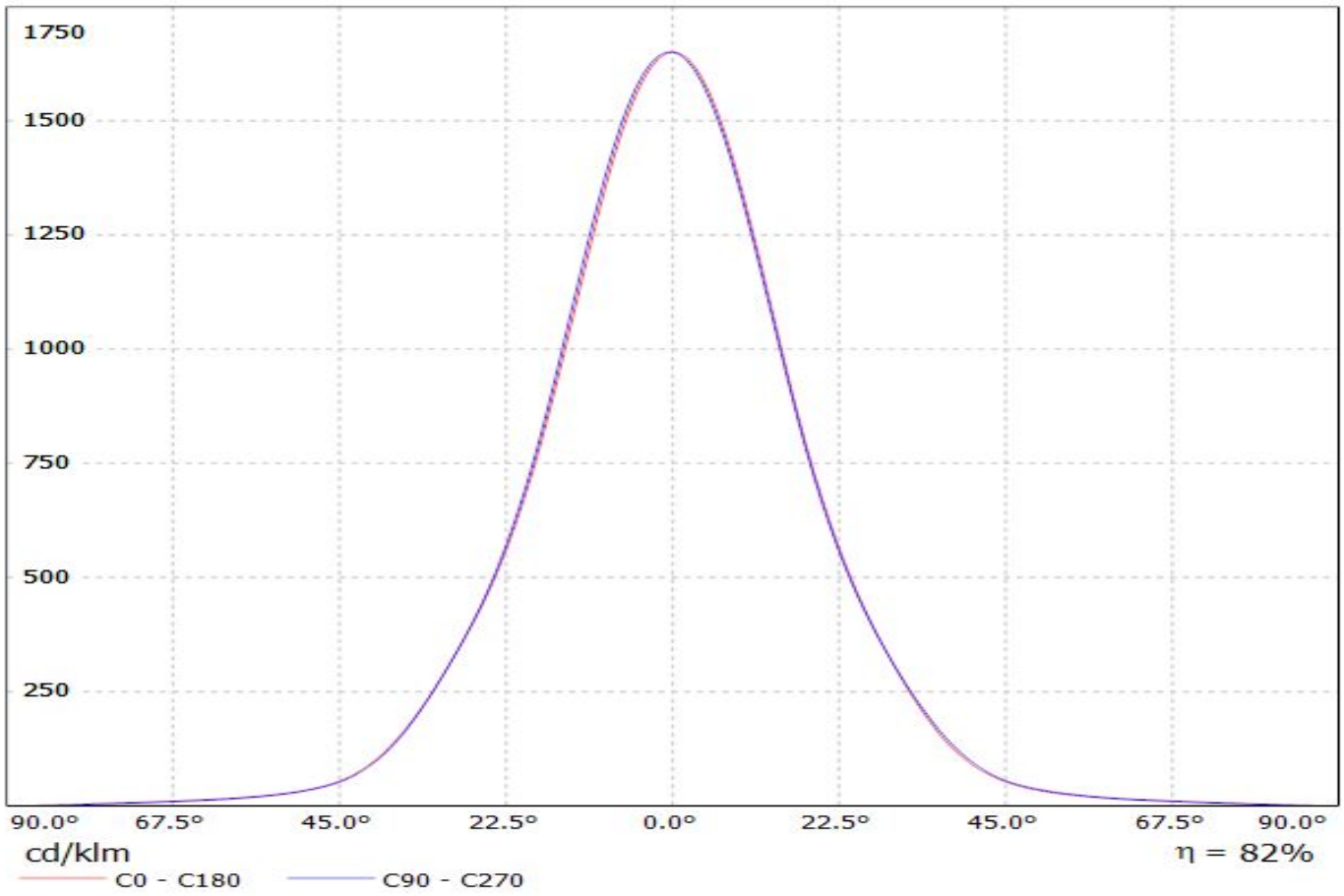
Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CLU700)
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A

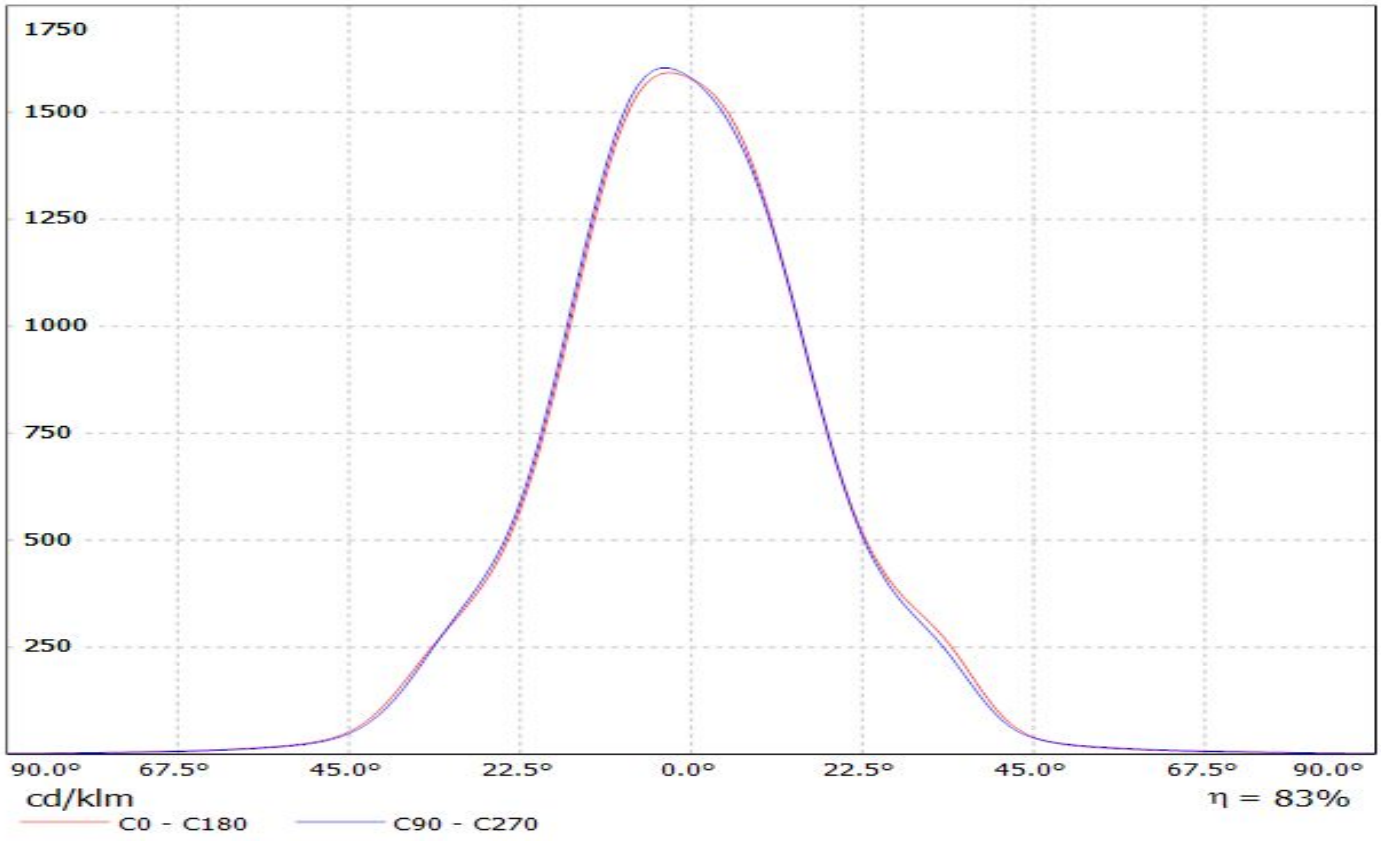


Luminaire: Ledil Oy
Lamps: 1 x CN12484_MIRELLA-50-M-DL_(CLL028)



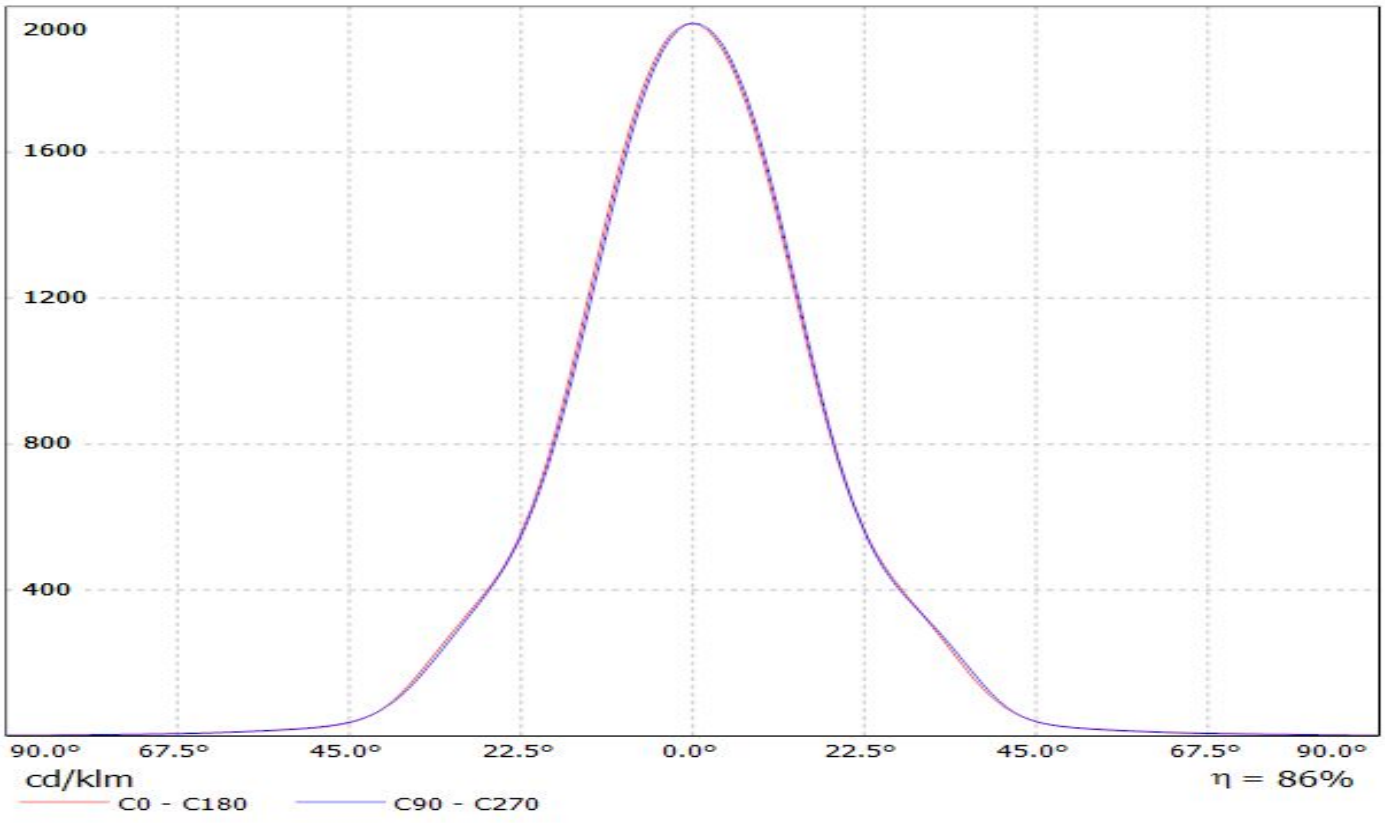
LEDiL Oy CN12484_MIRELLA-50-M-DL_(MT-G2) Eff.83.1% / LDC (Linear)

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(MT-G2) Eff.83.1%
Lamps: 1 x MT-G2 (165.381lm@250mA)

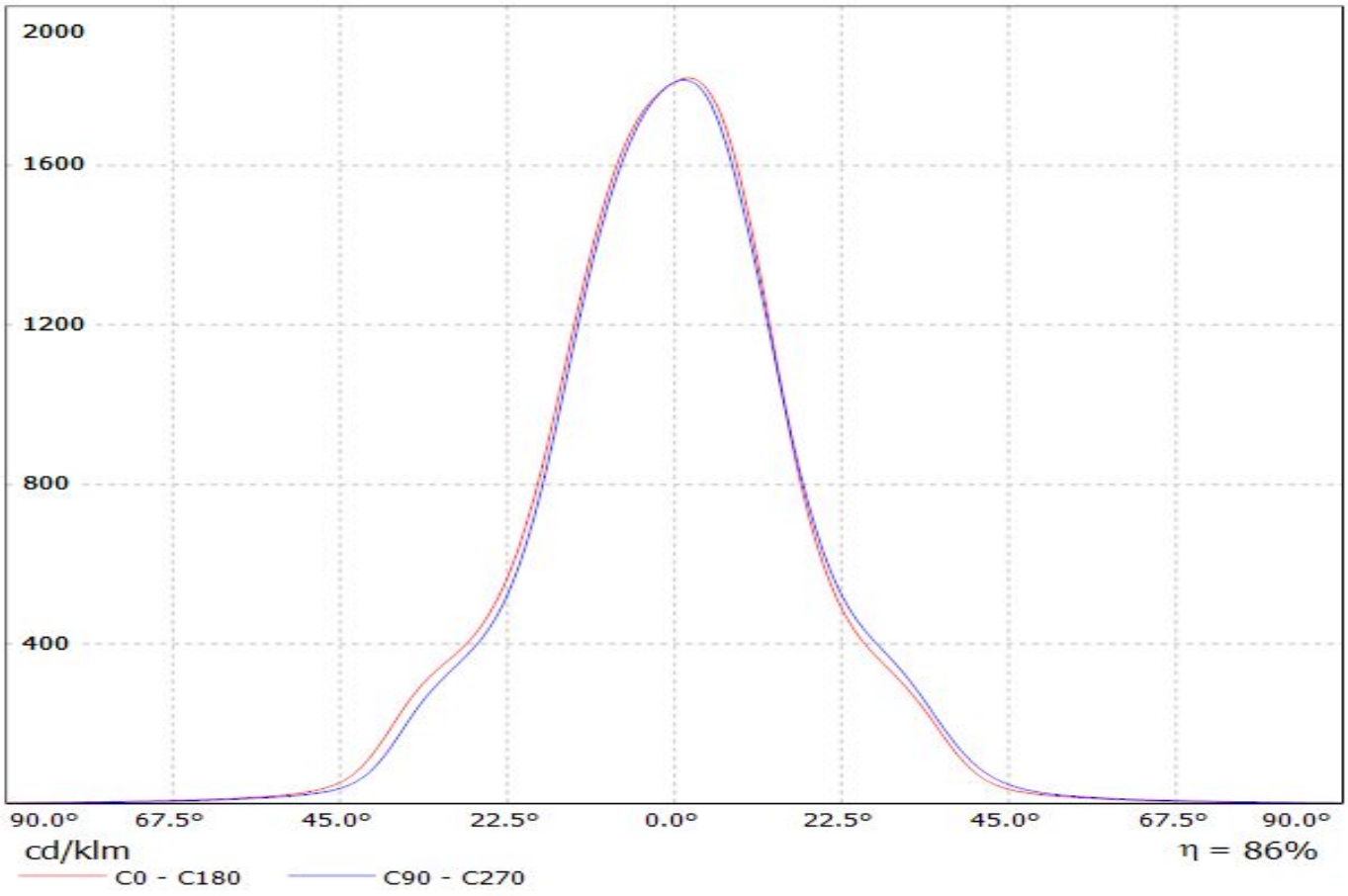


LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXA1507) Eff.86.0% / LDC (Linear)

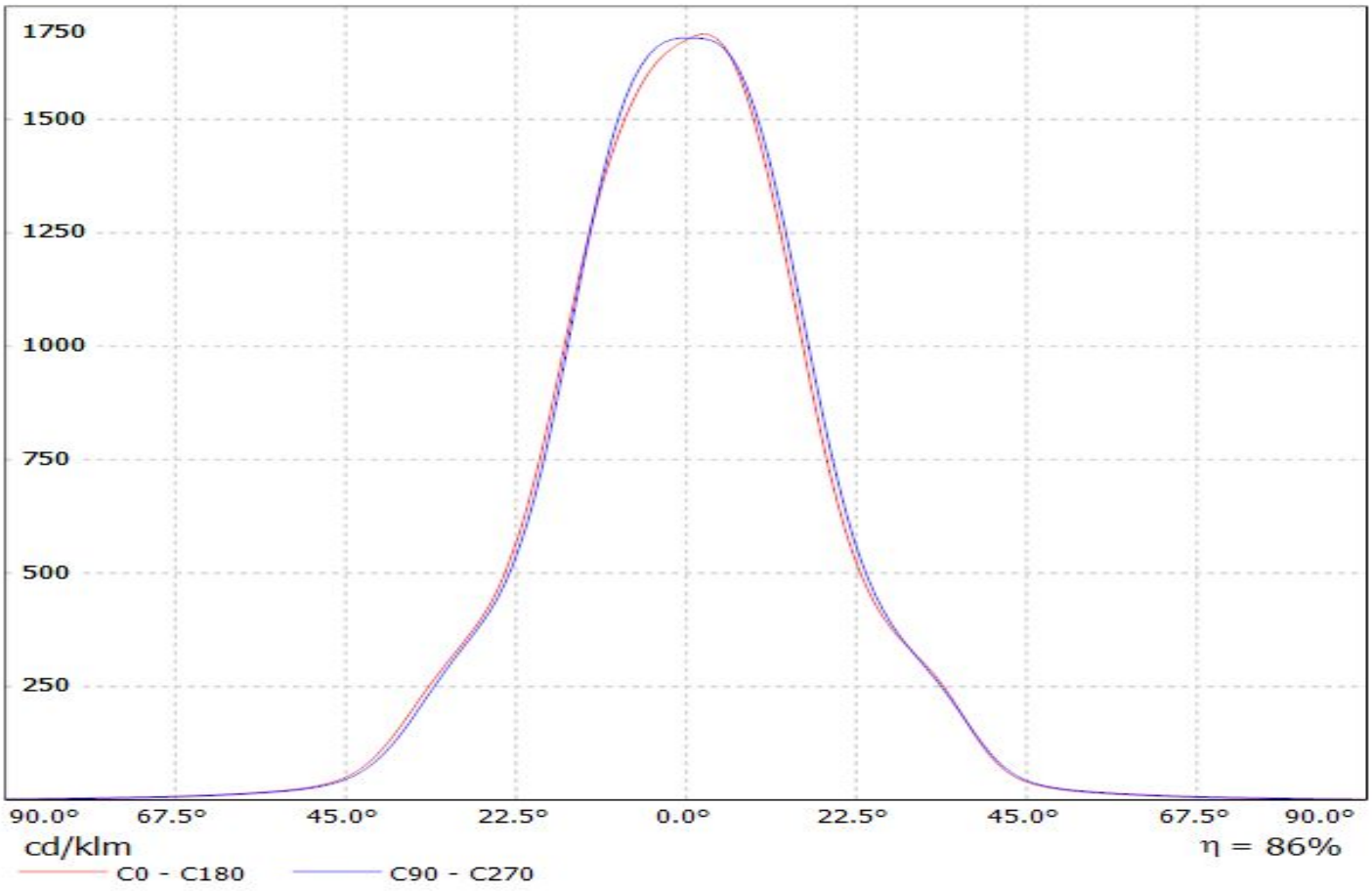
Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXA1507) Eff.86.0%
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA



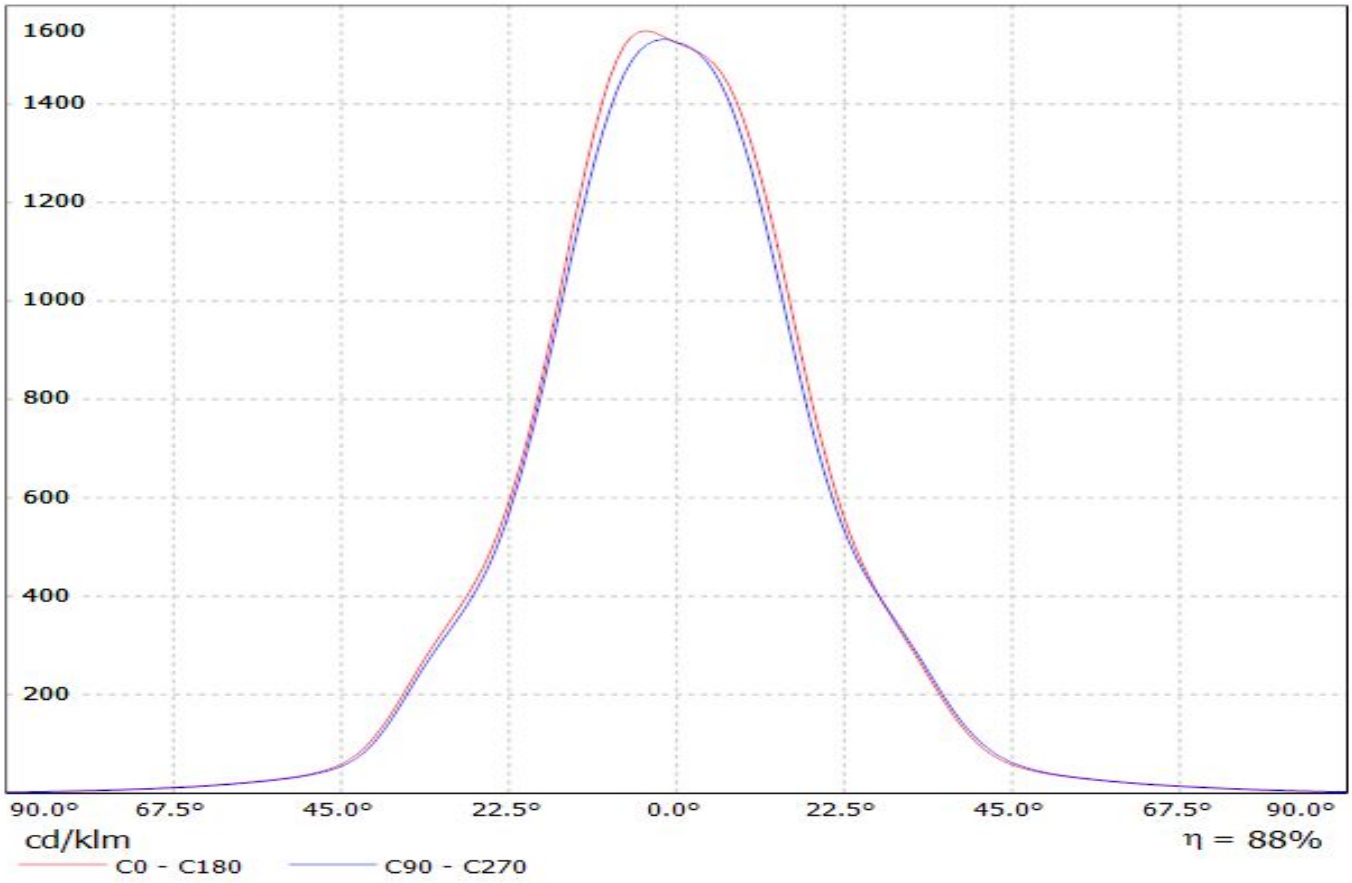
Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A



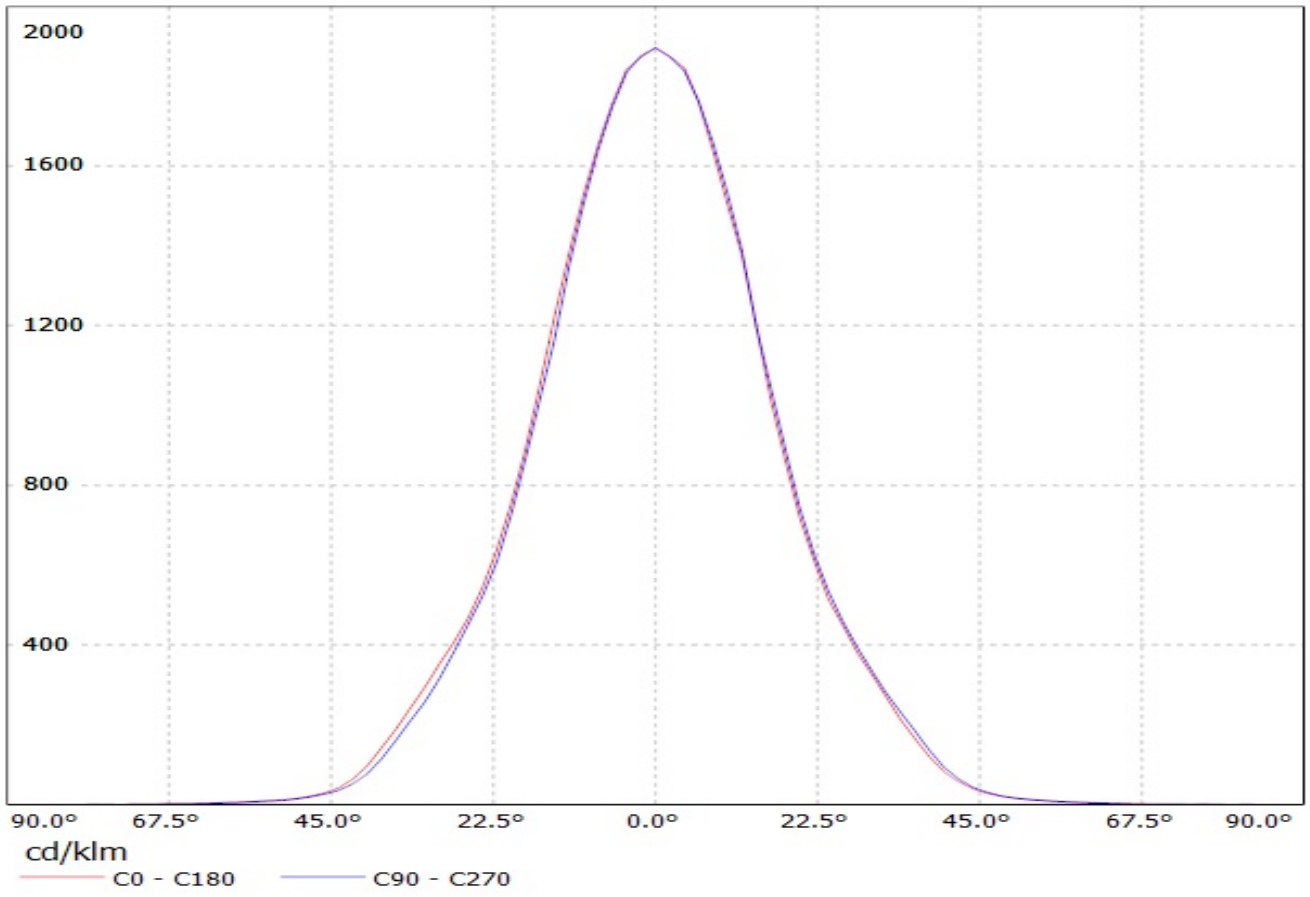
Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



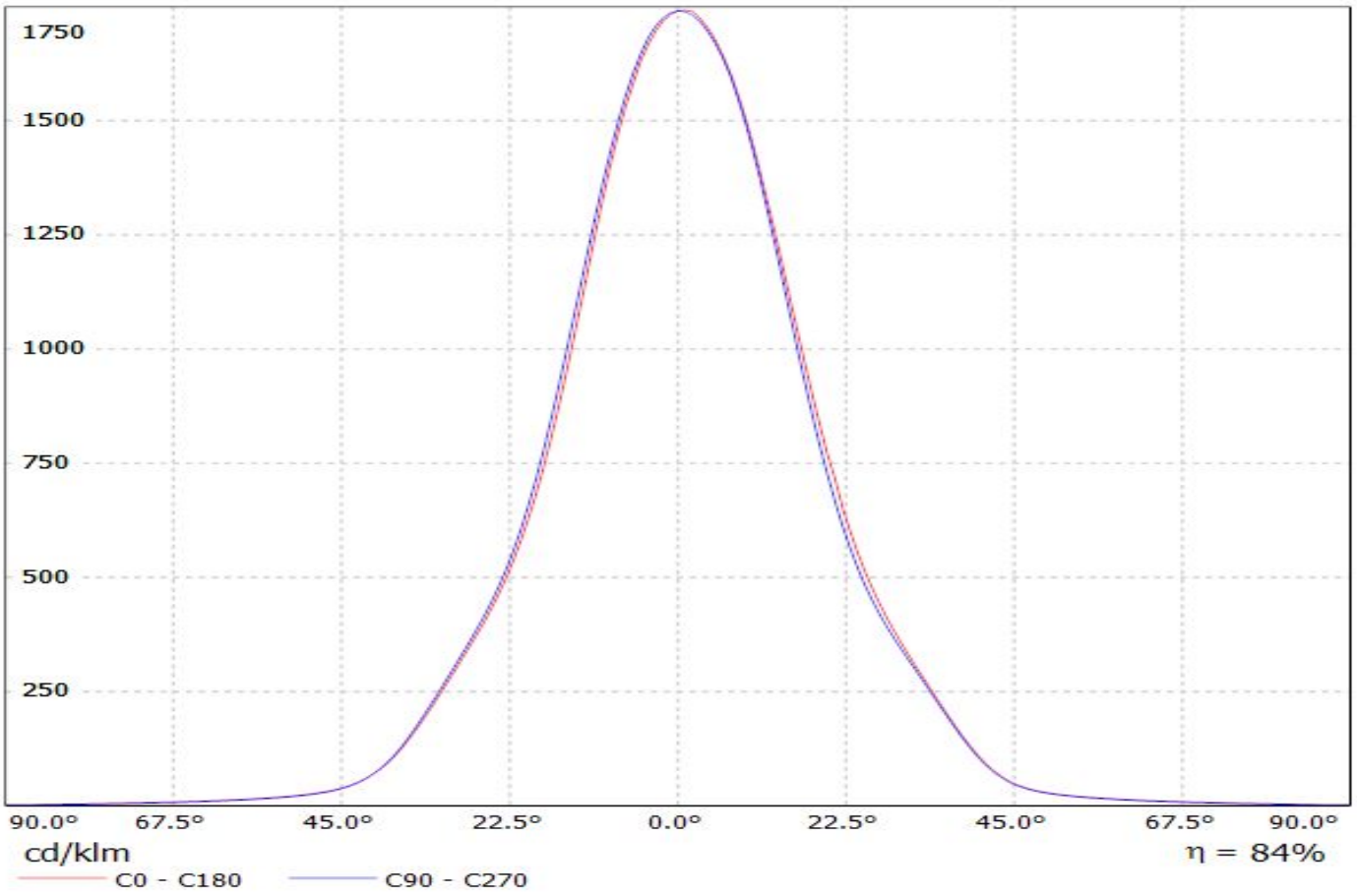
Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



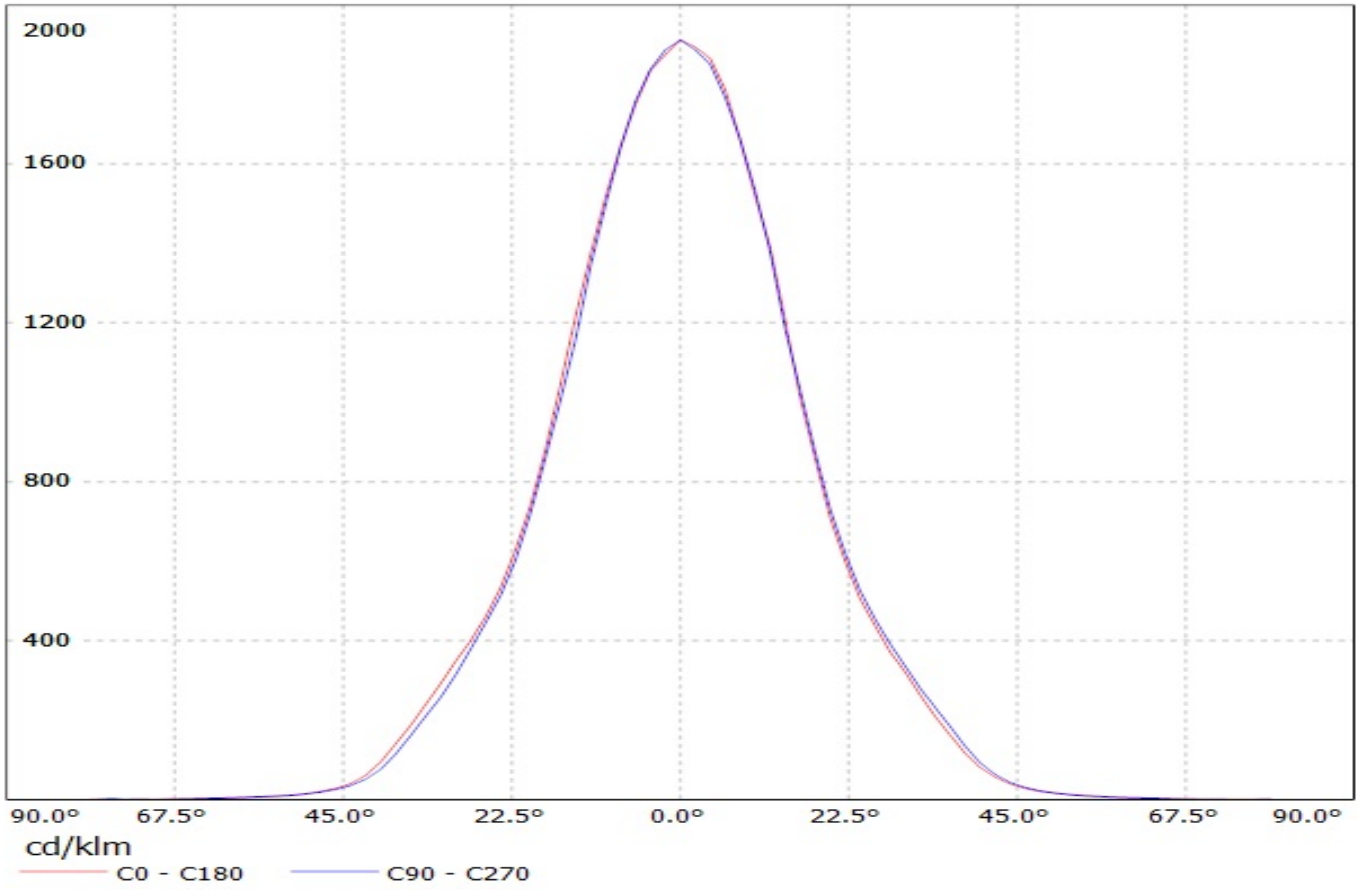
Luminaire: Ledil oy CN12484_MIRELLA-50-M-DL_(Luxeon_CoB_1203) Efficiency=85%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



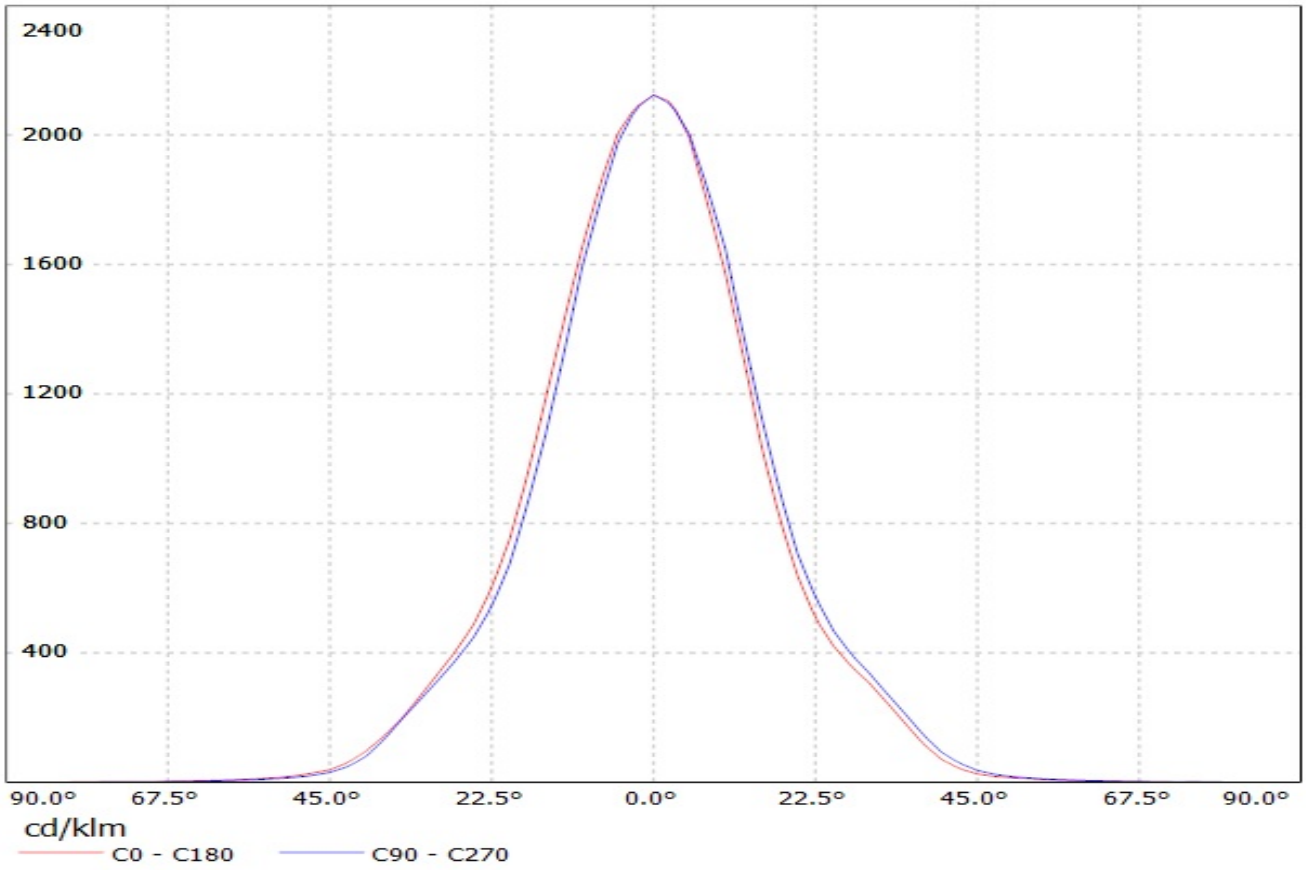
Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.083lm@240mA_P=8.27544W_I=240mA



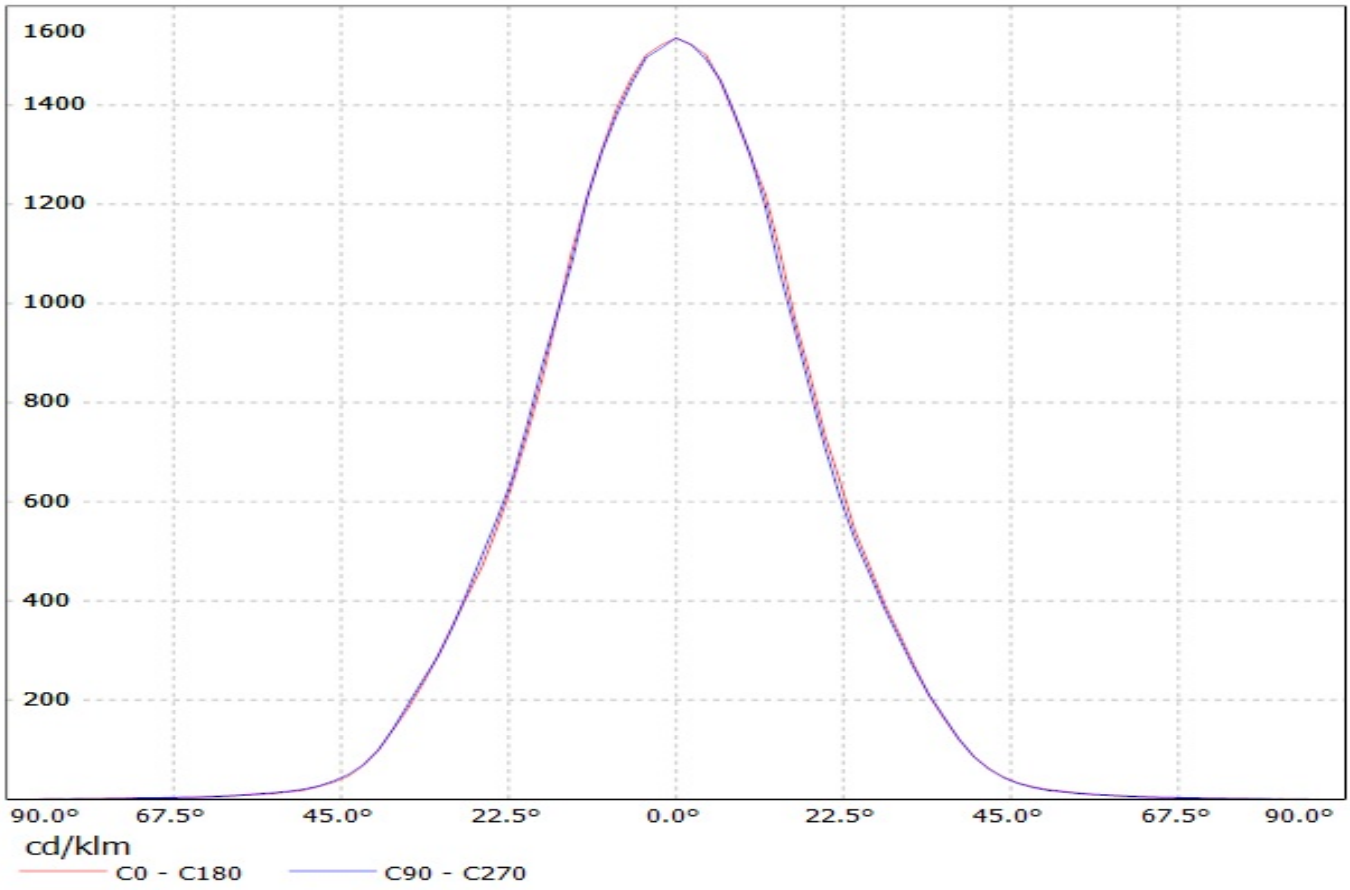
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (NSBxL066A 930lm @ 250mA) Efficiency=84%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



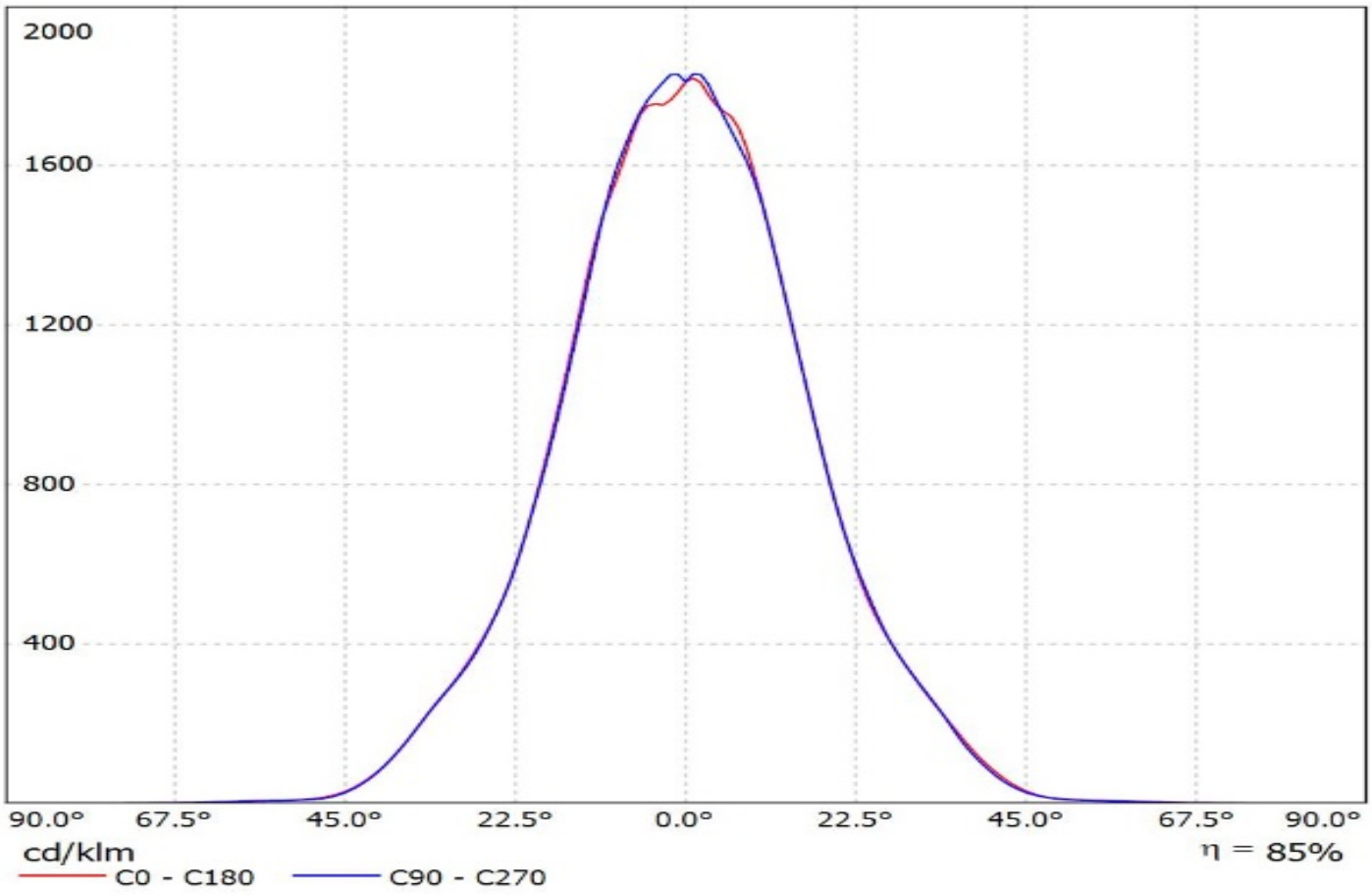
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=85%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



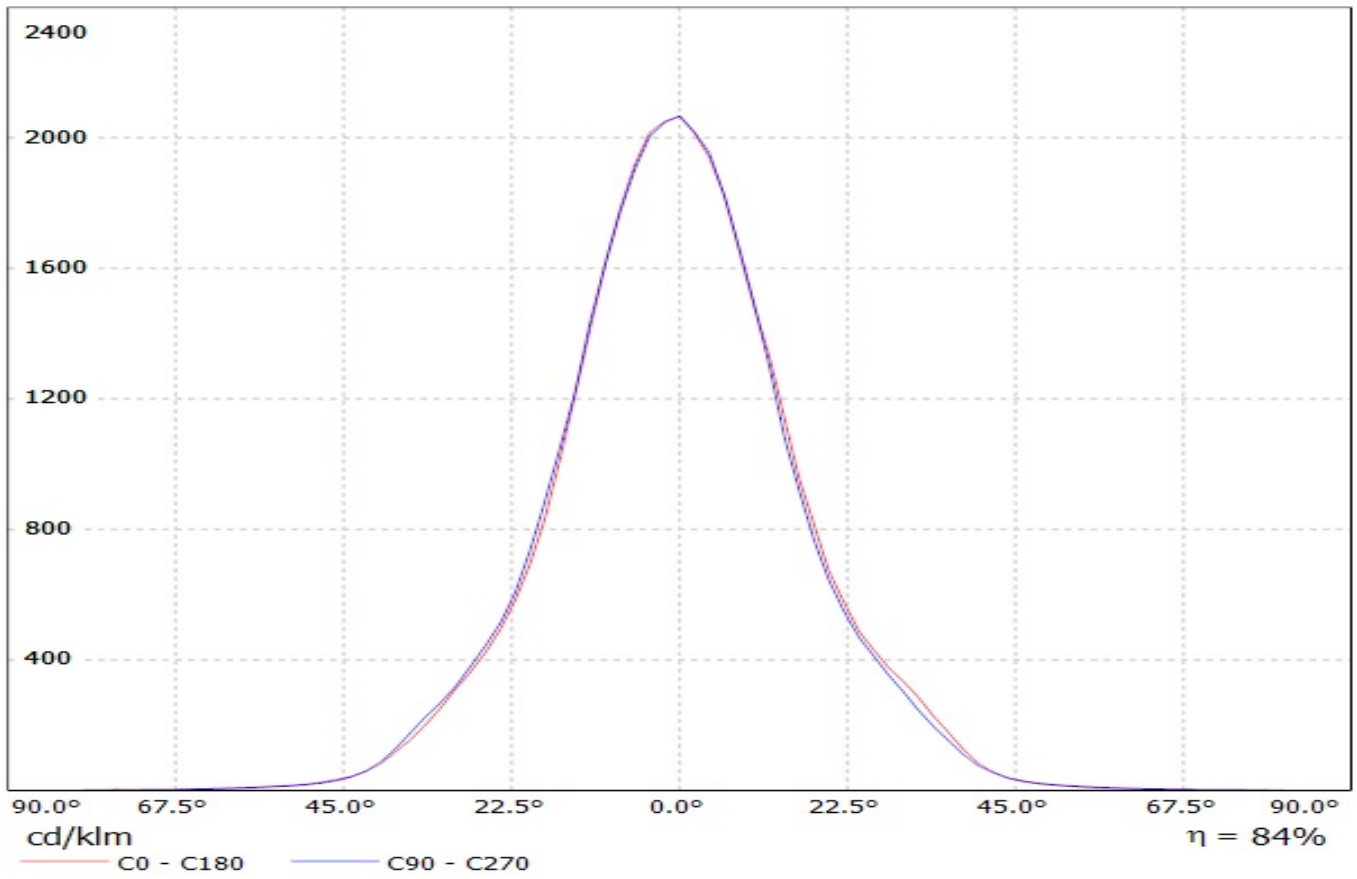
Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(Soleriq_S13) Efficiency=81%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



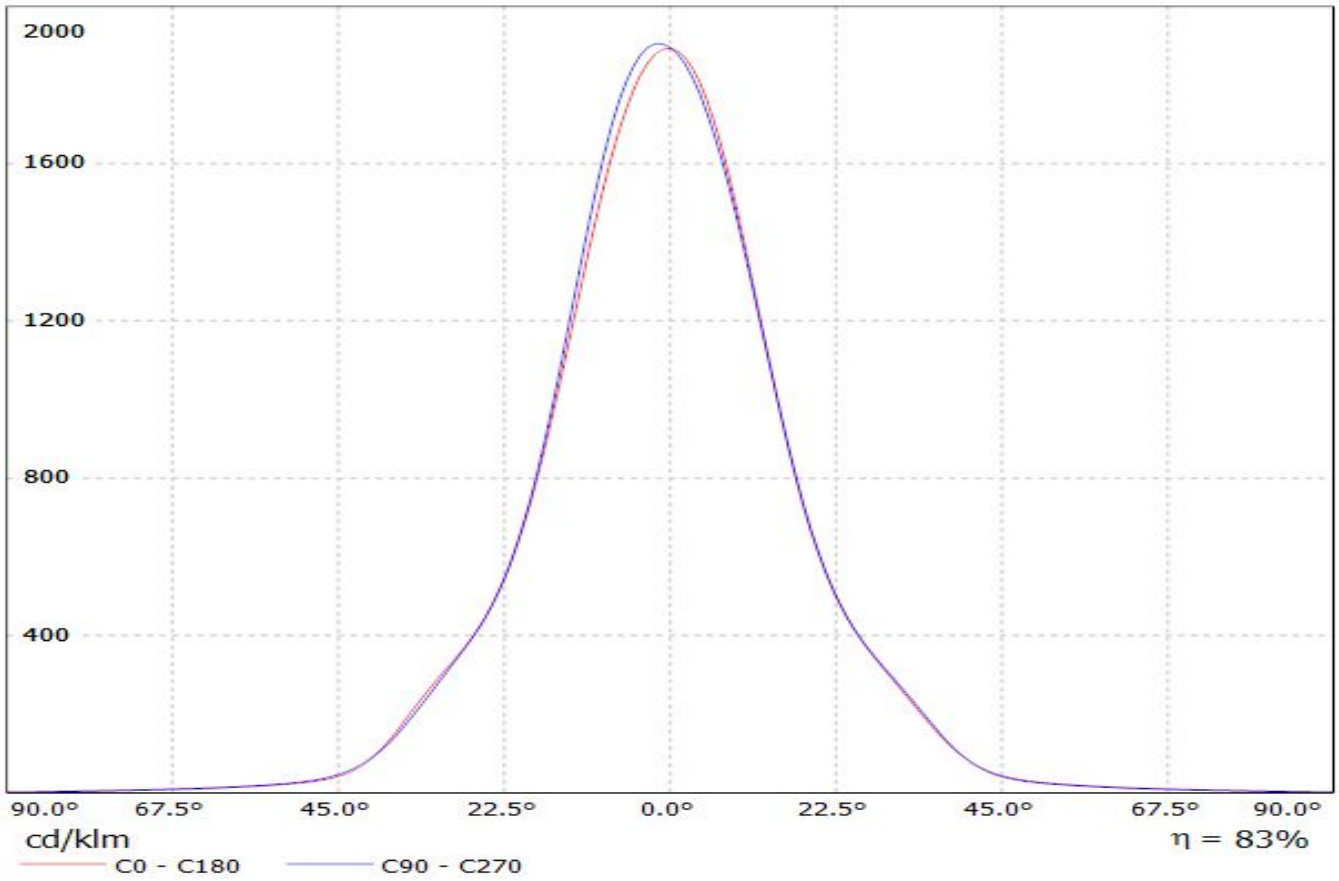
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



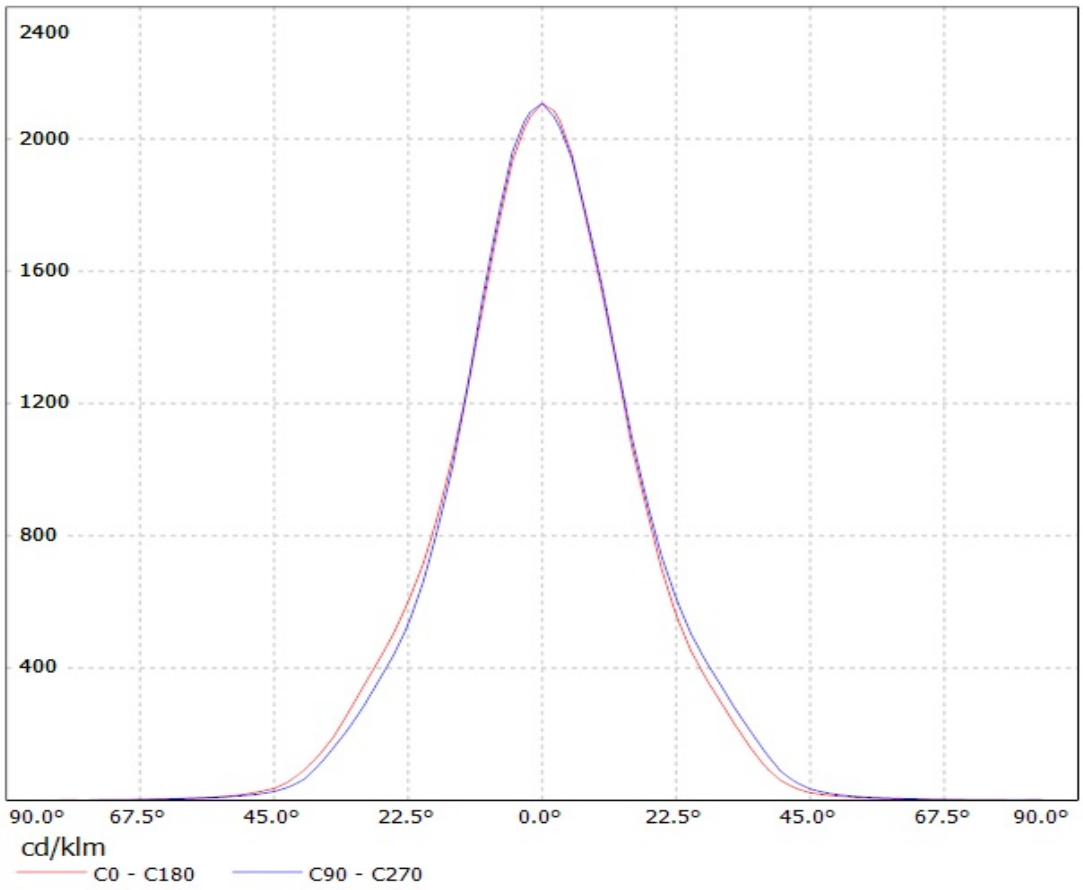
Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



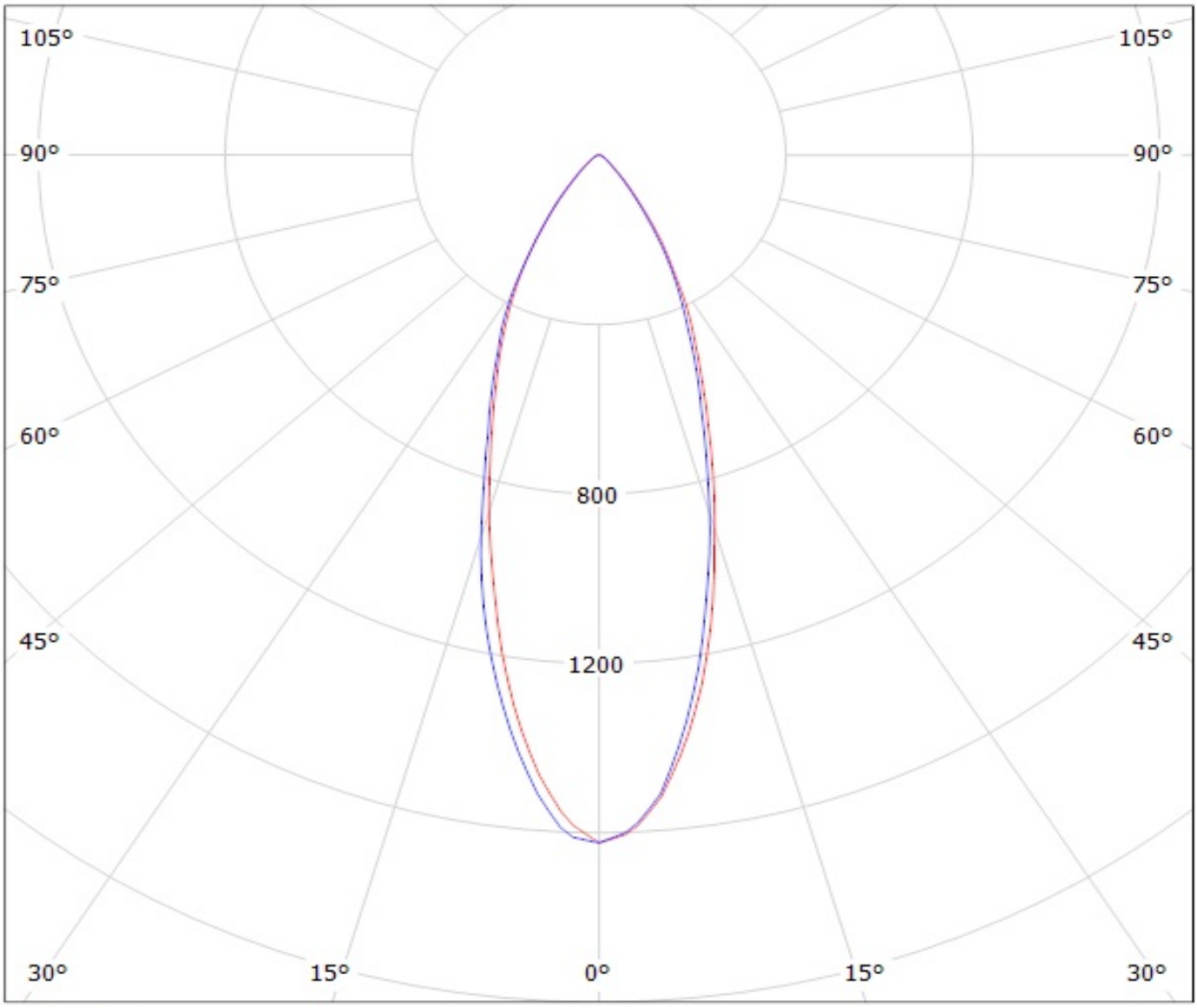
Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(Mini_Zenigata) Eff.83.3%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



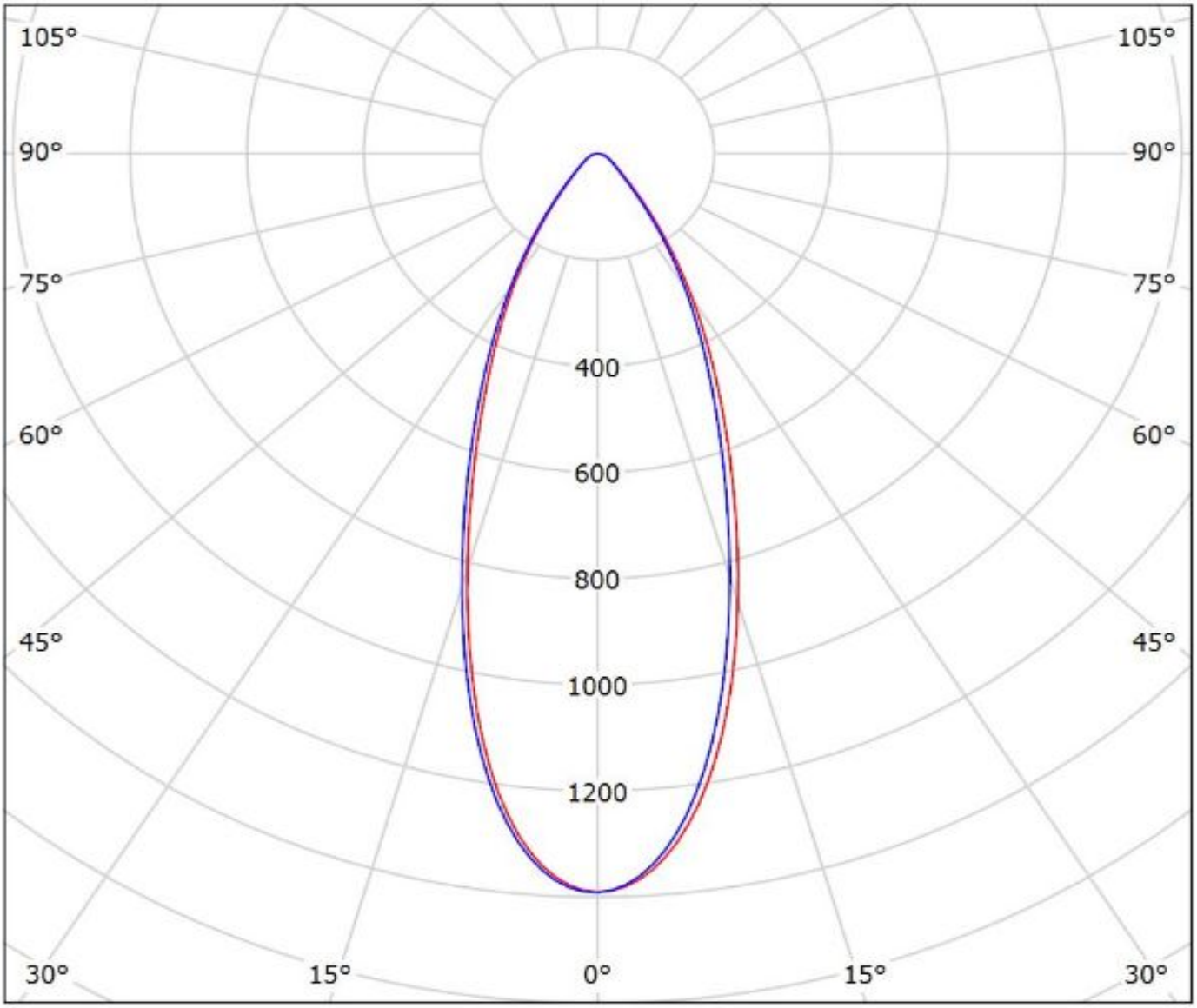
Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(Stark_SLE_G3_LES10) Efficiency=82%
Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA



Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (Bridgelux LS 170lm @ 250mA) Efficiency=83%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A

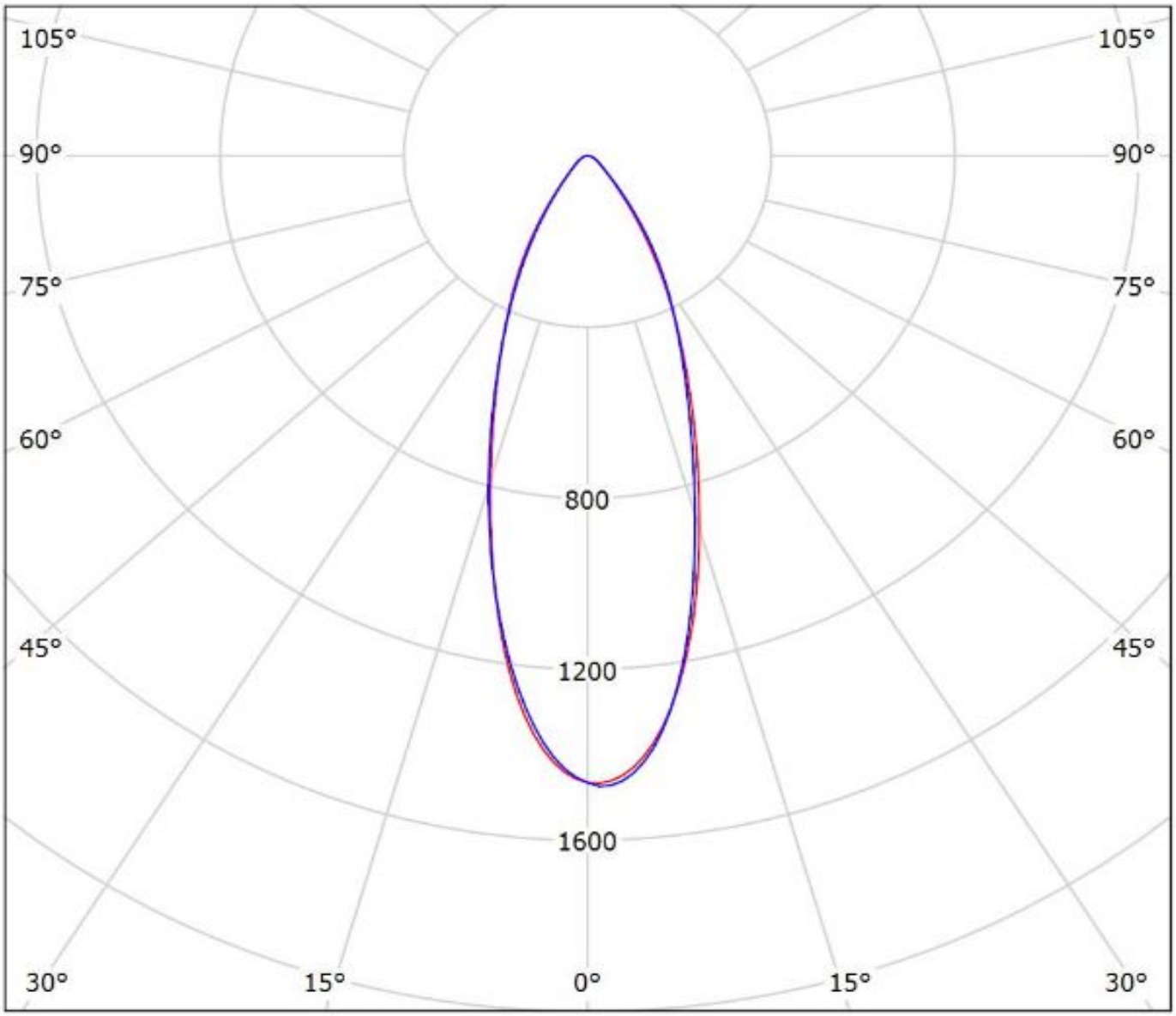


cd/klm

η = 82%

C0 - C180 C90 - C270

Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A

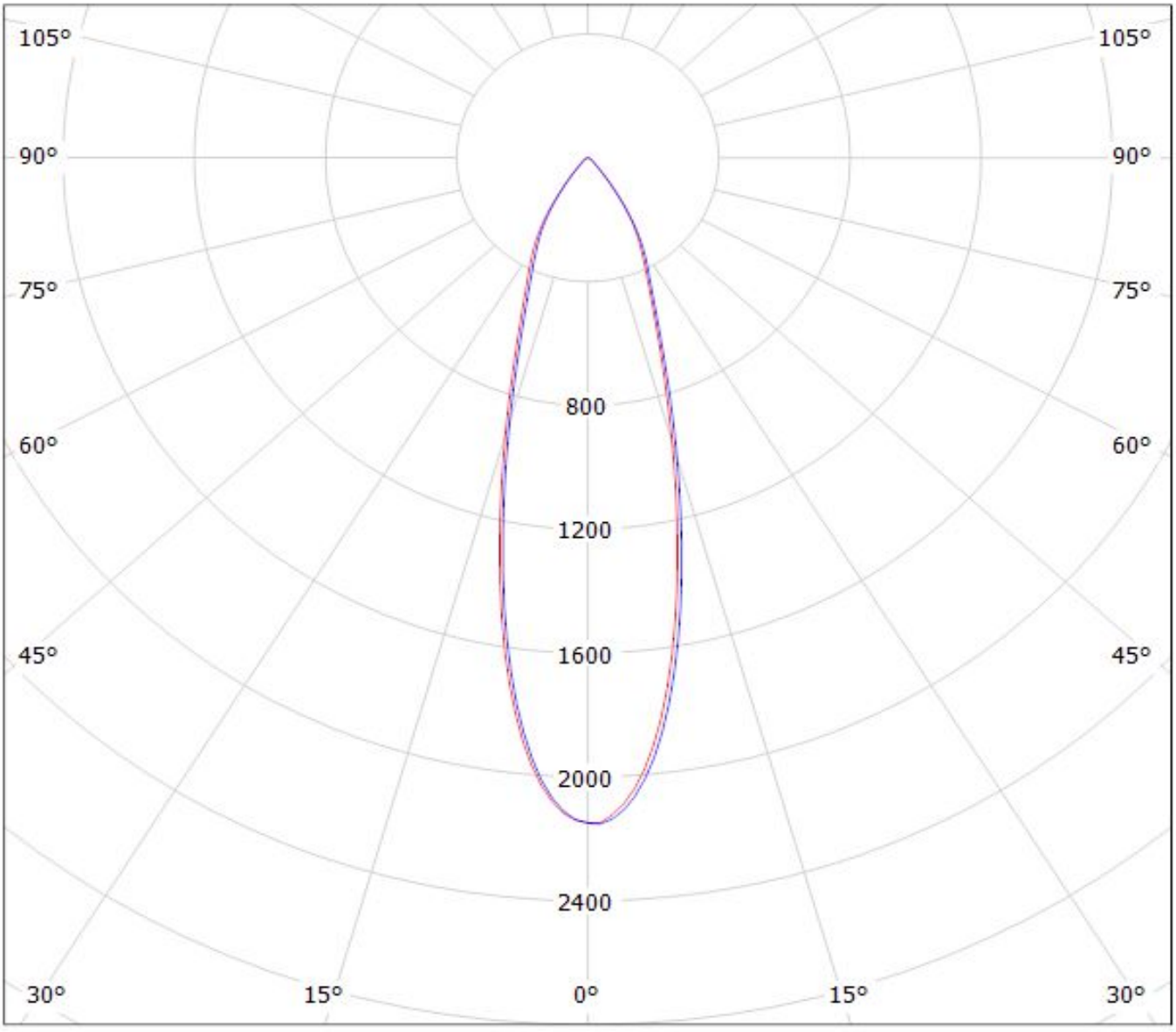


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CLU700)
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A

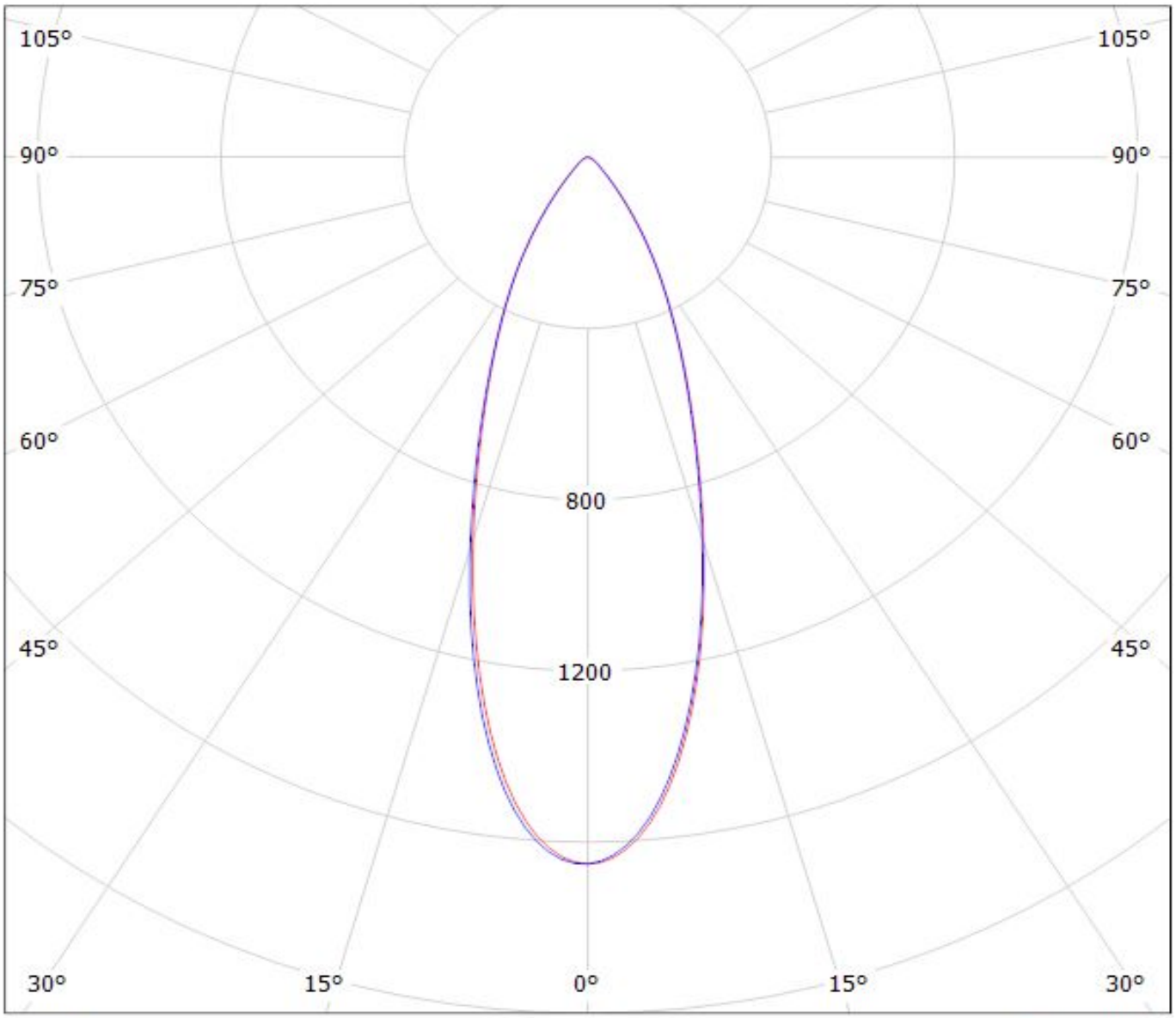


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: Ledil Oy
Lamps: 1 x CN12484_MIRELLA-50-M-DL_(CLL028)



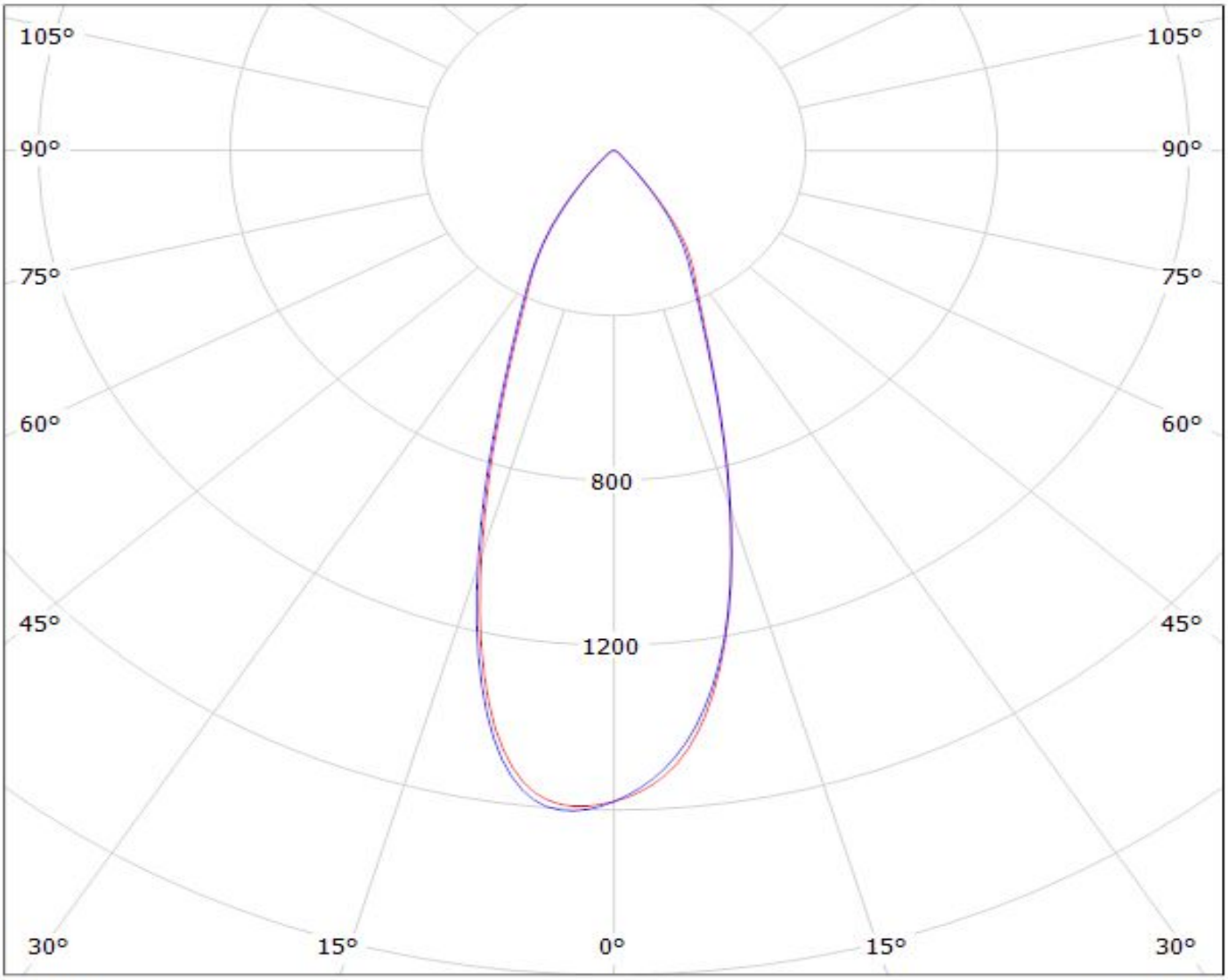
cd/klm

η = 82%

C0 - C180 C90 - C270

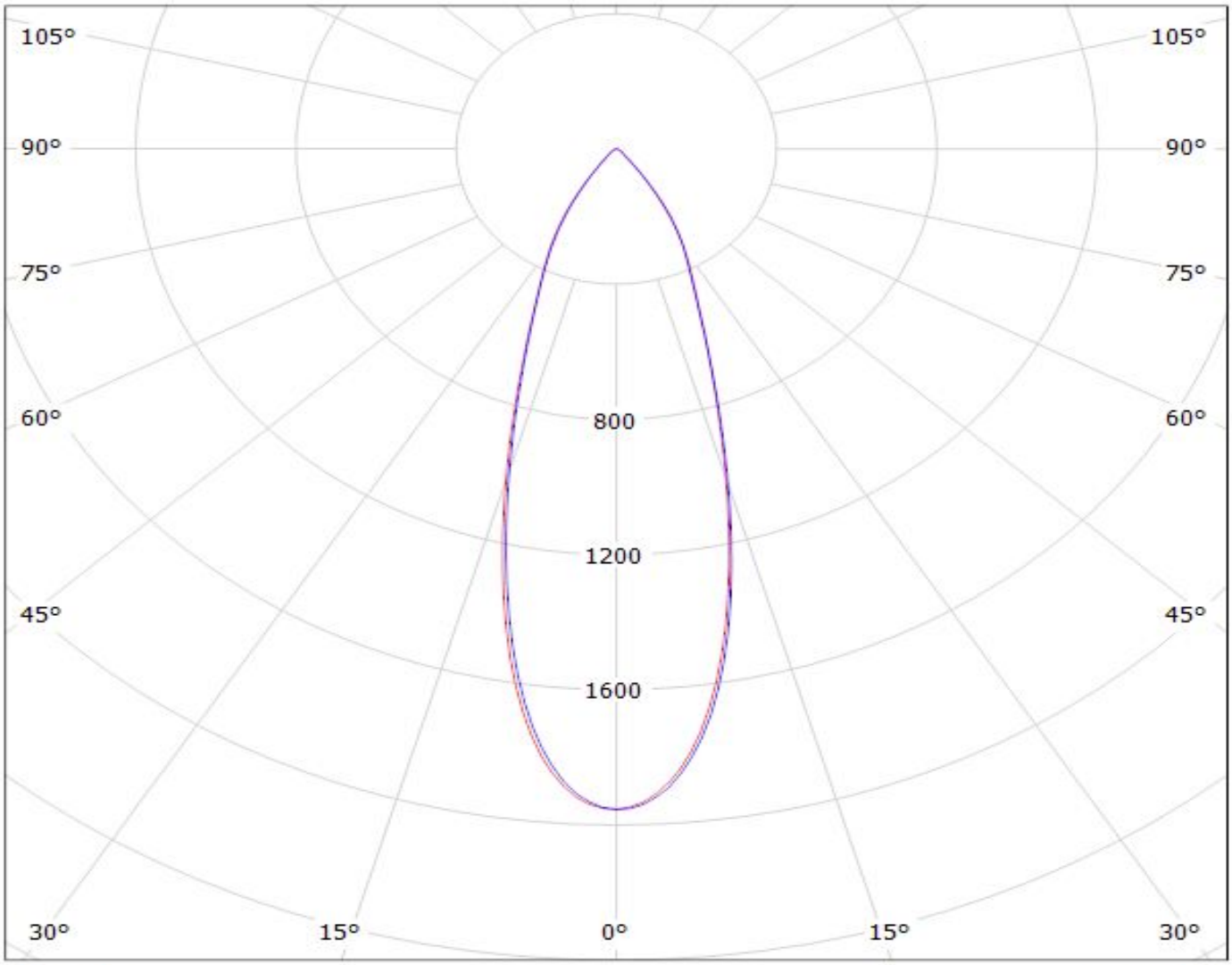
LEDiL Oy CN12484_MIRELLA-50-M-DL_(MT-G2) Eff.83.1% / LDC (Polar)

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(MT-G2) Eff.83.1%
Lamps: 1 x MT-G2 (165.381lm@250mA)



LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXA1507) Eff.86.0% / LDC (Polar)

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXA1507) Eff.86.0%
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA

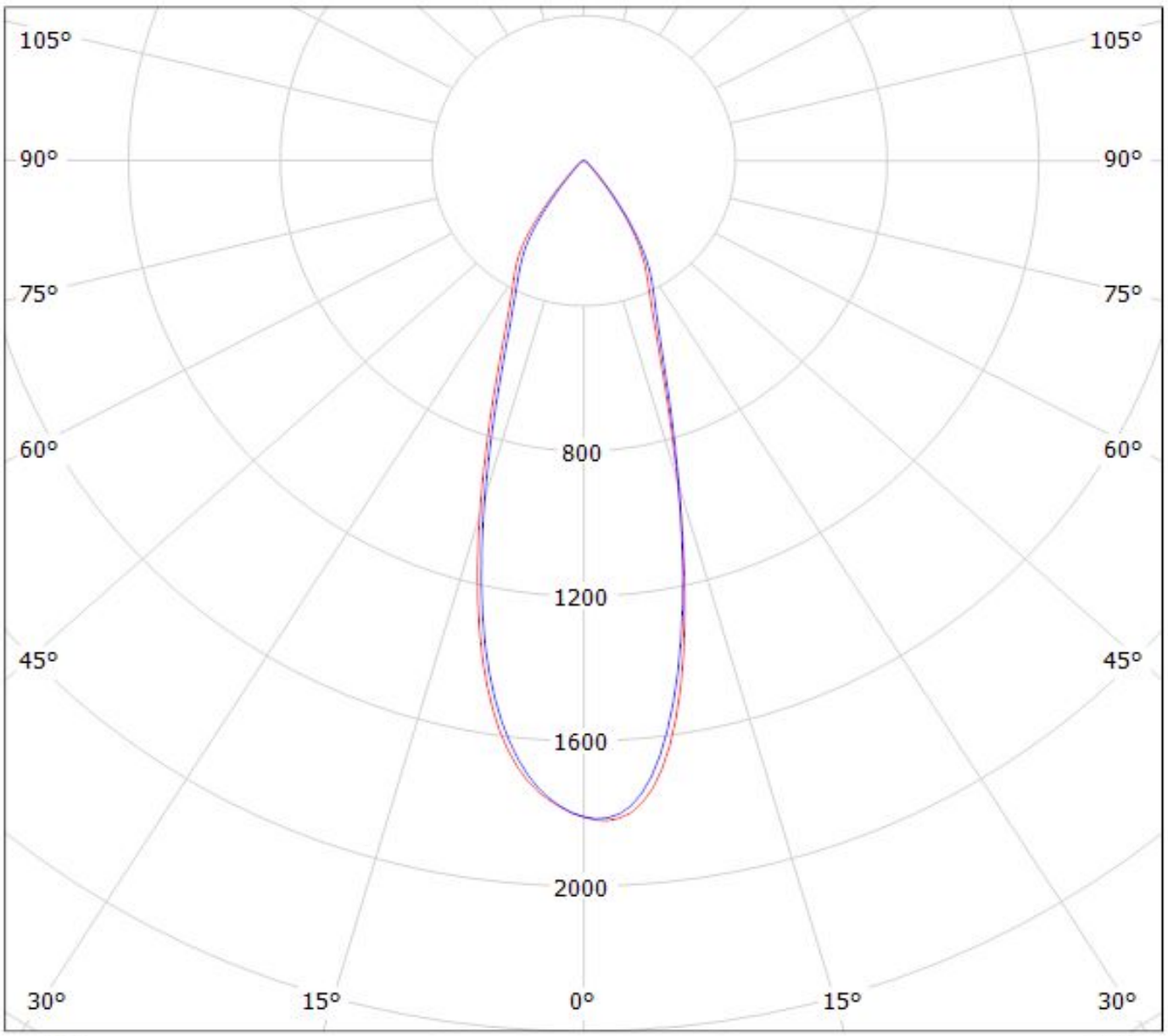


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A

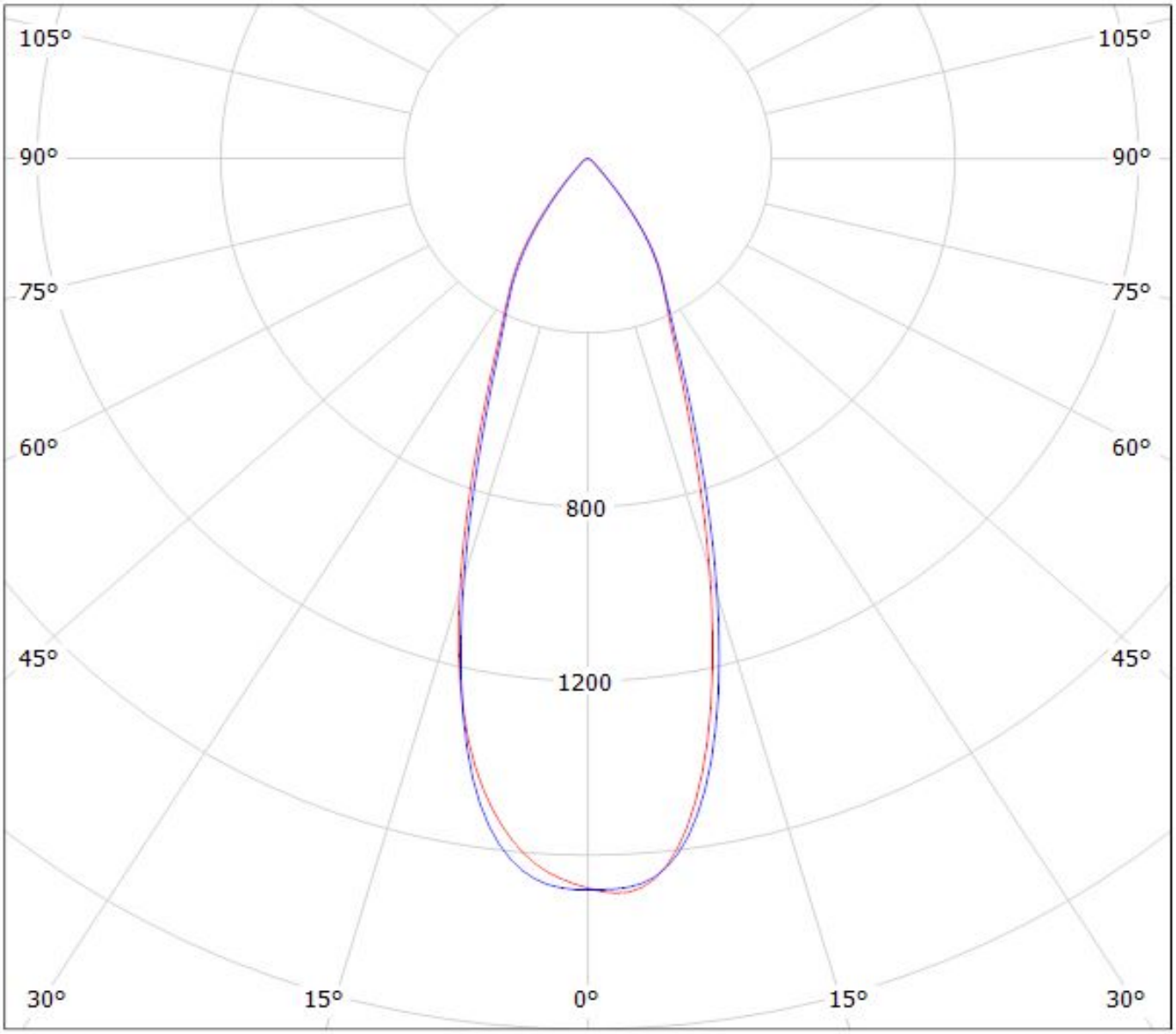


cd/klm

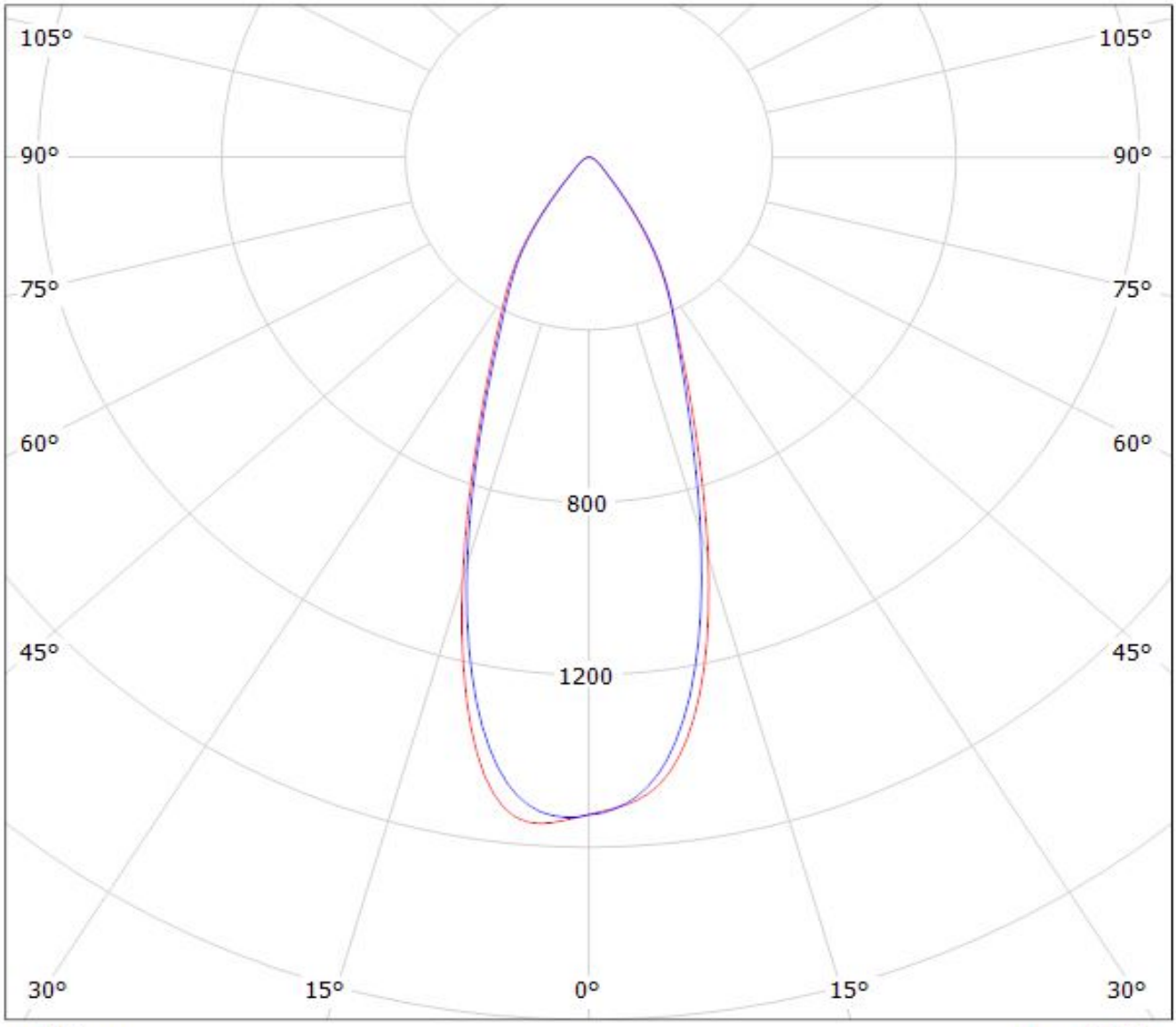
η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



Luminaire: Ledil CN12484_MIRELLA-50-M-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A

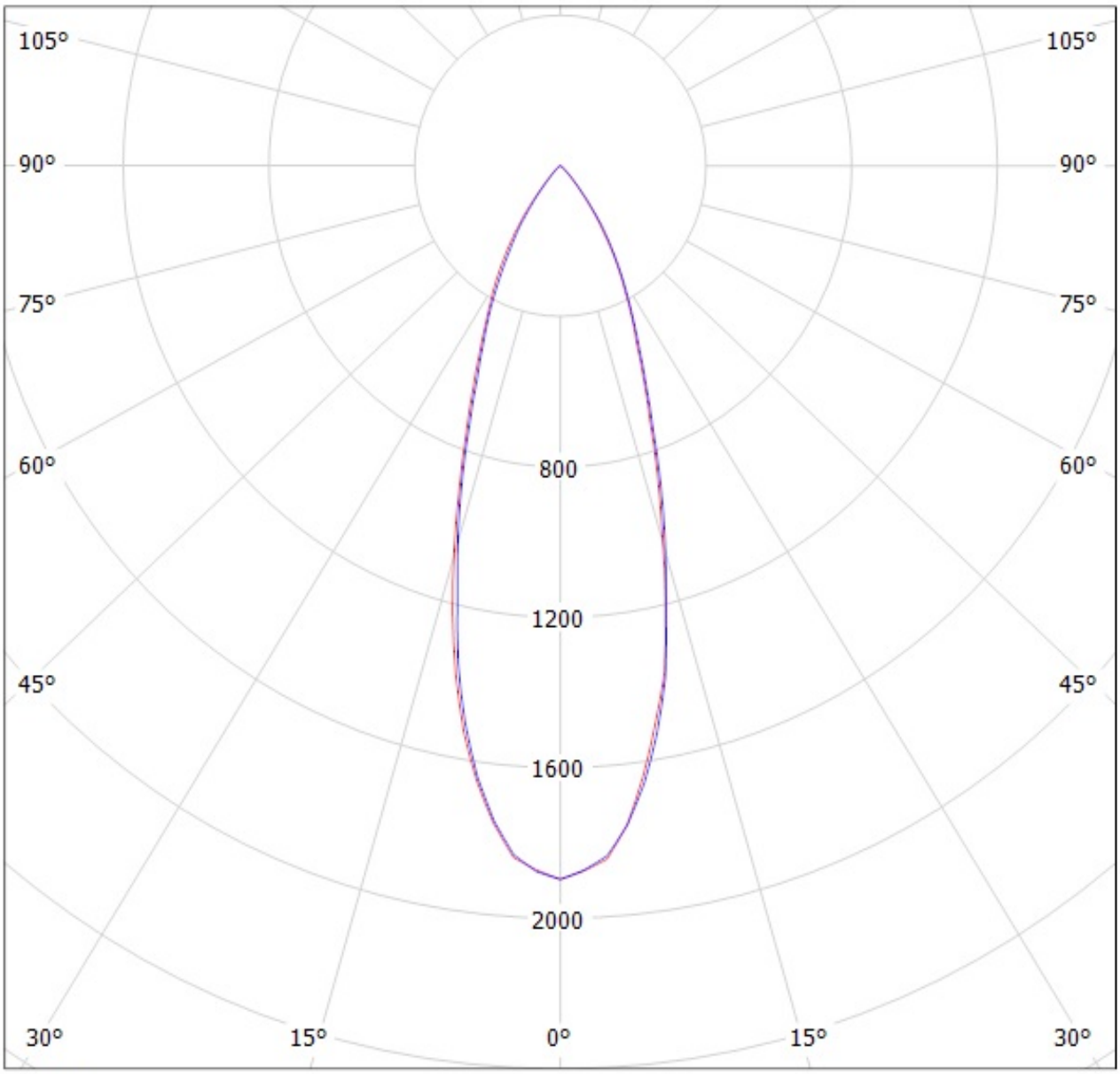


cd/klm

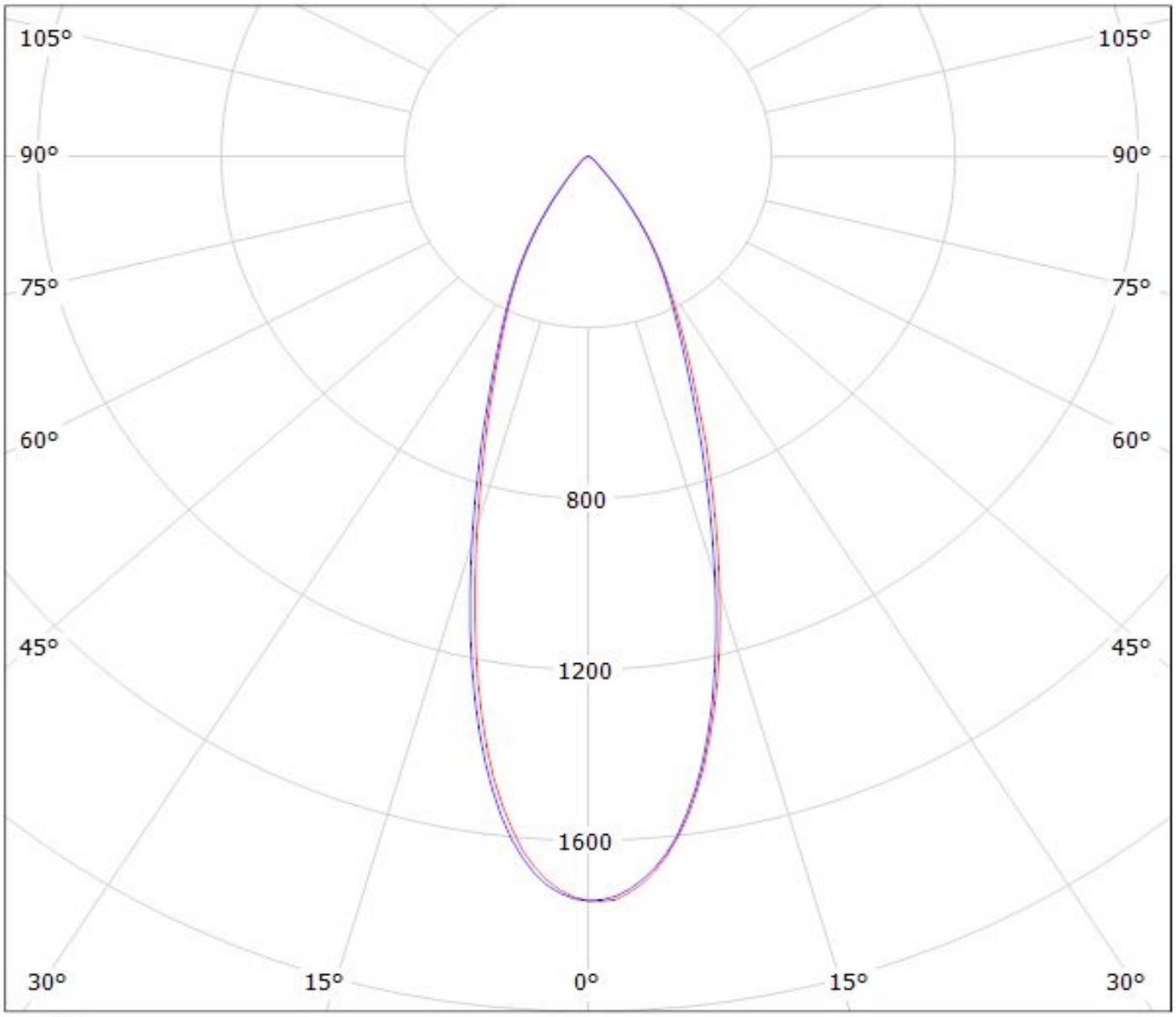
η = 88%

C0 - C180 C90 - C270

Luminaire: Ledil oy CN12484_MIRELLA-50-M-DL_(Luxeon_CoB_1203) Efficiency=85%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.083lm@240mA_P=8.27544W_I=240mA

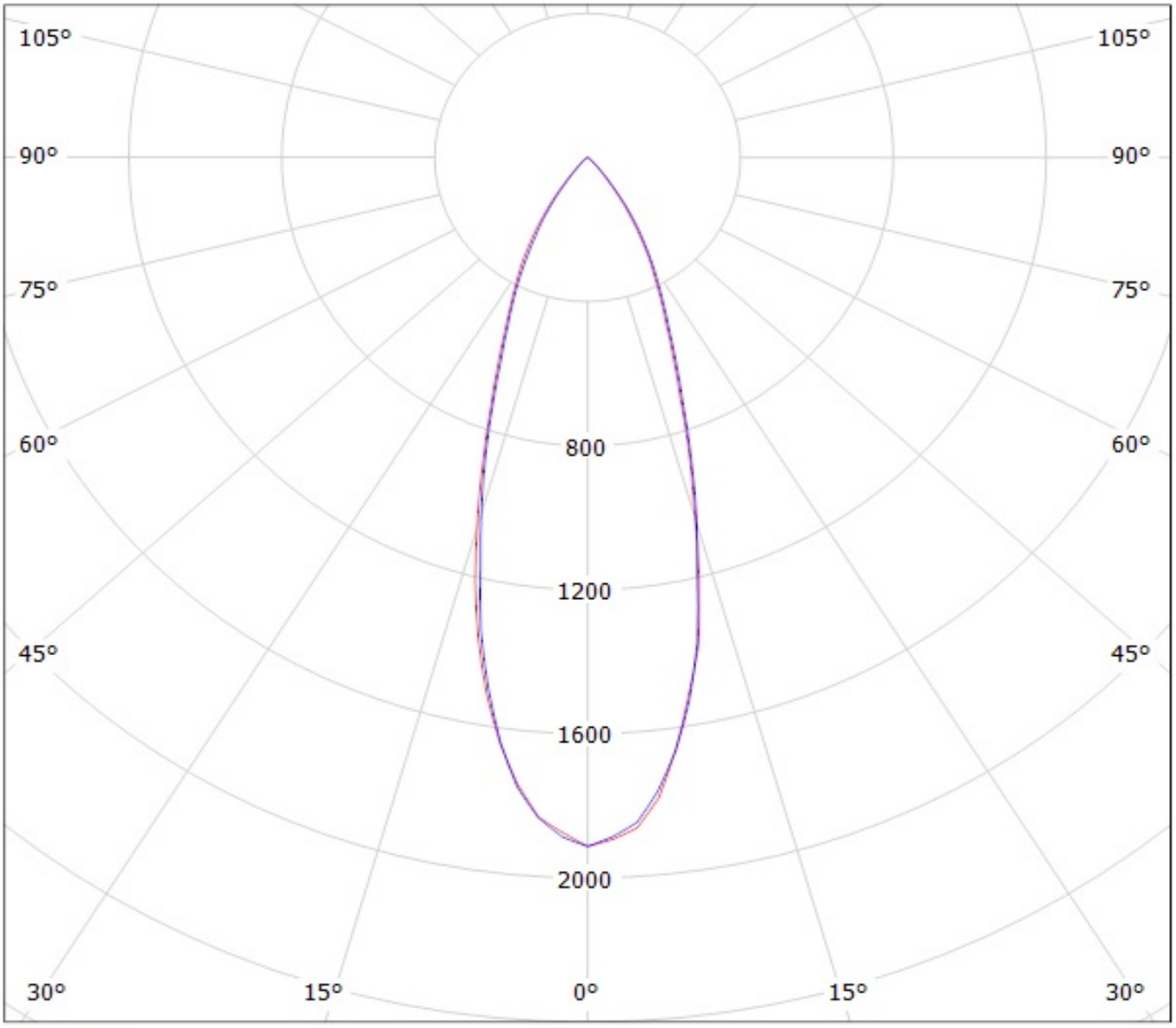


cd/klm

η = 84%

C0 - C180 C90 - C270

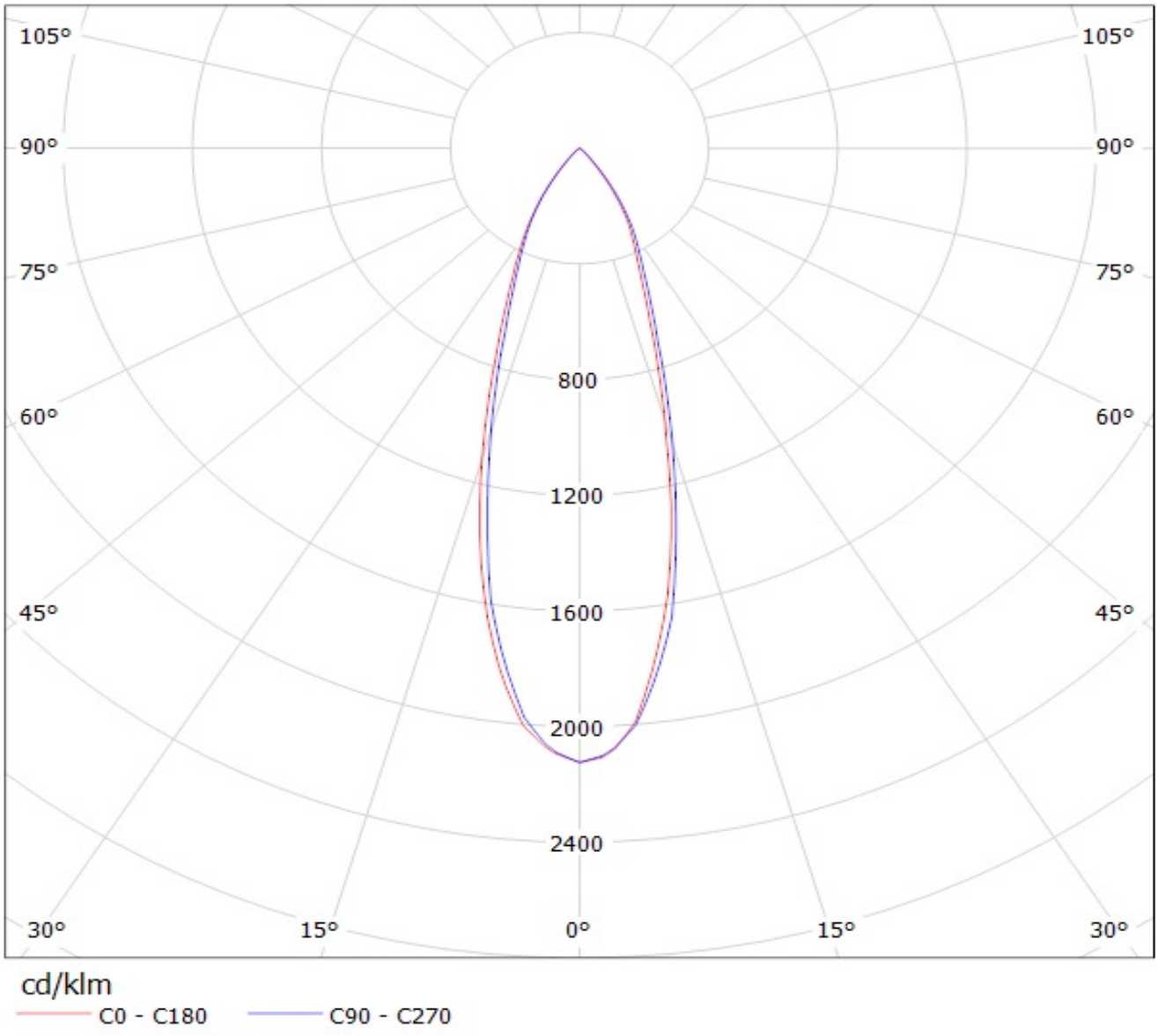
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (NSBxL066A 930lm @ 250mA) Efficiency=84%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



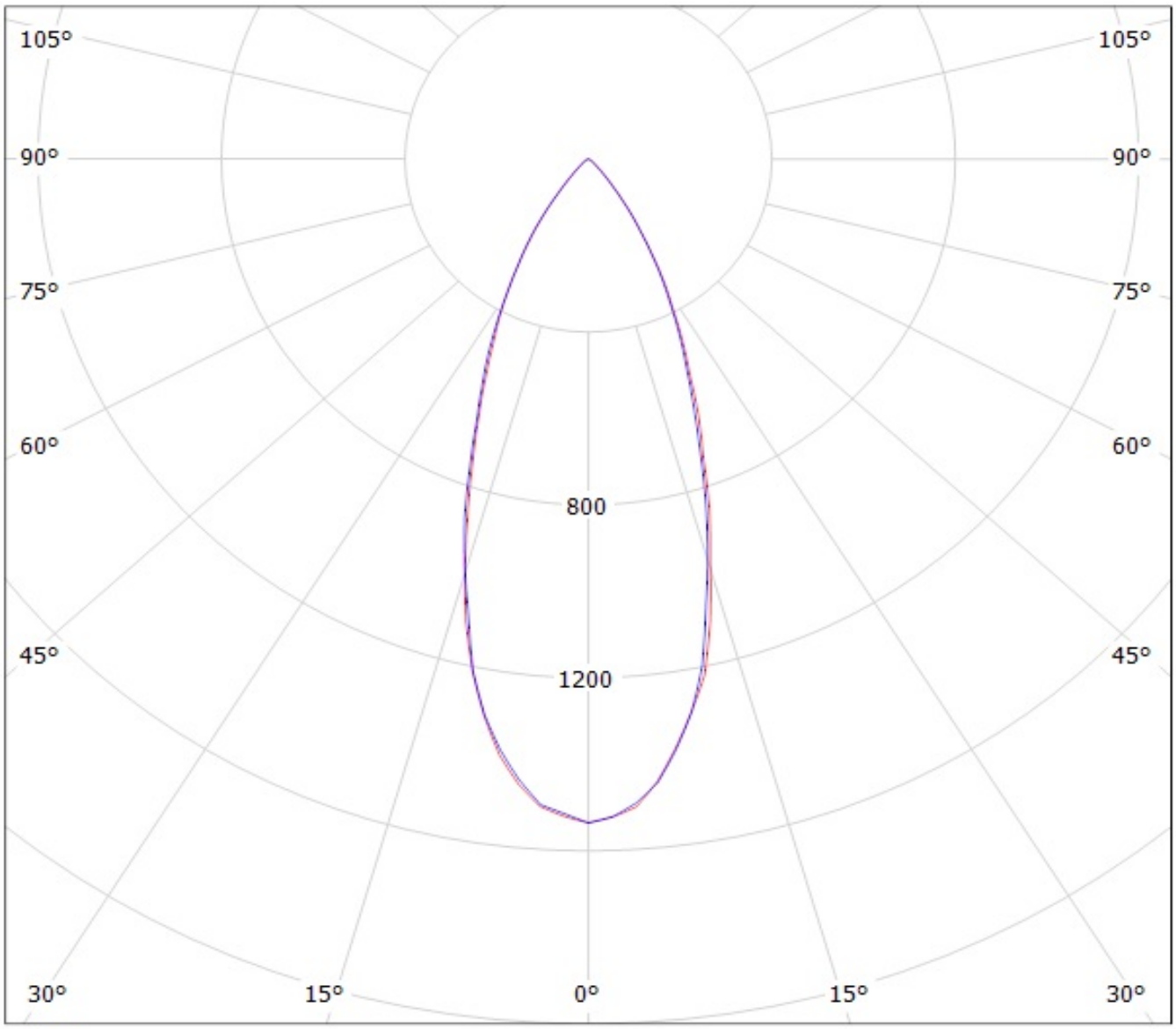
cd/klm

C0 - C180 C90 - C270

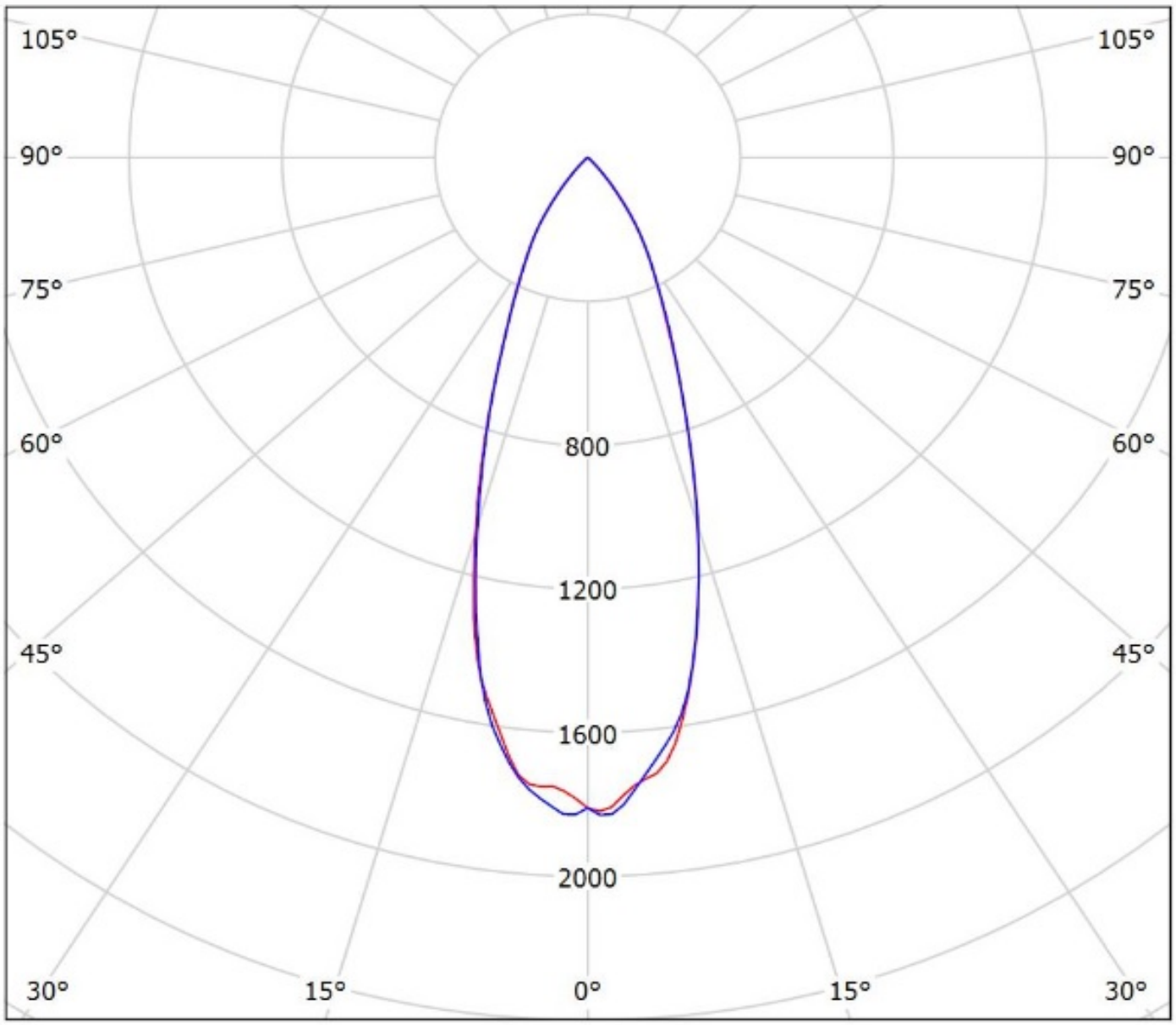
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=85%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



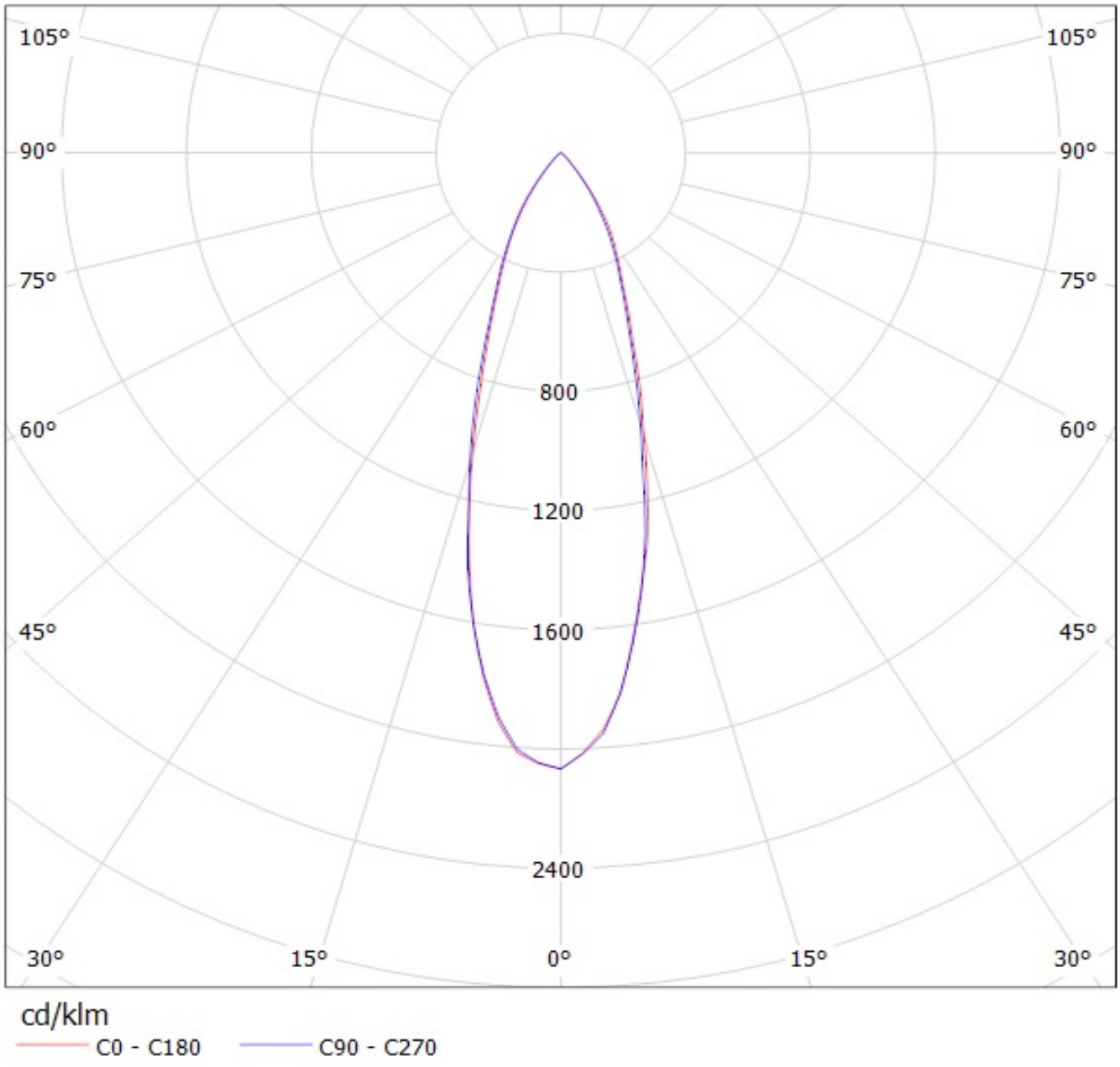
Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(Soleriq_S13) Efficiency=81%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



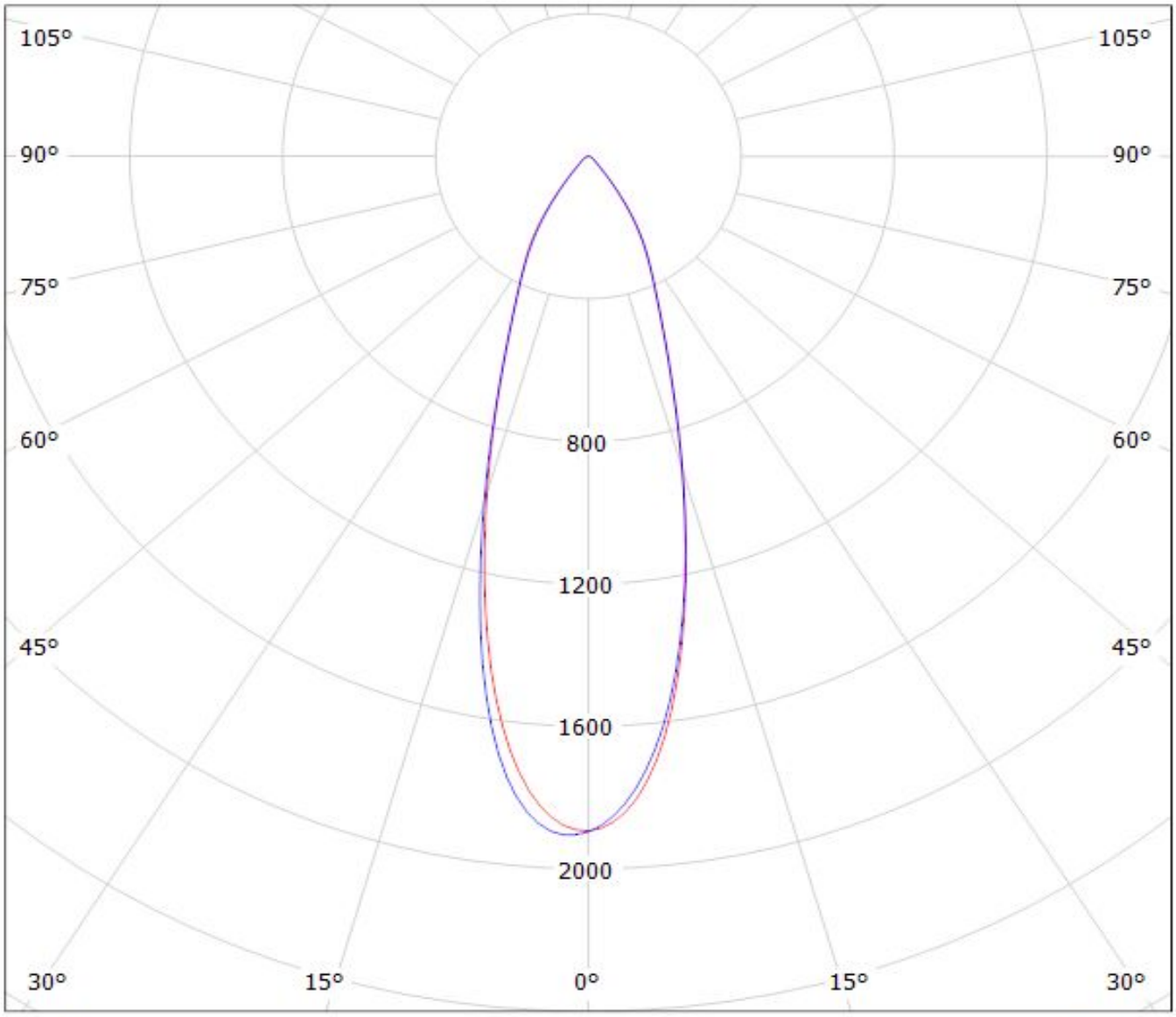
Luminaire: Ledil Oy CN12484_MIRELLA-50-M-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



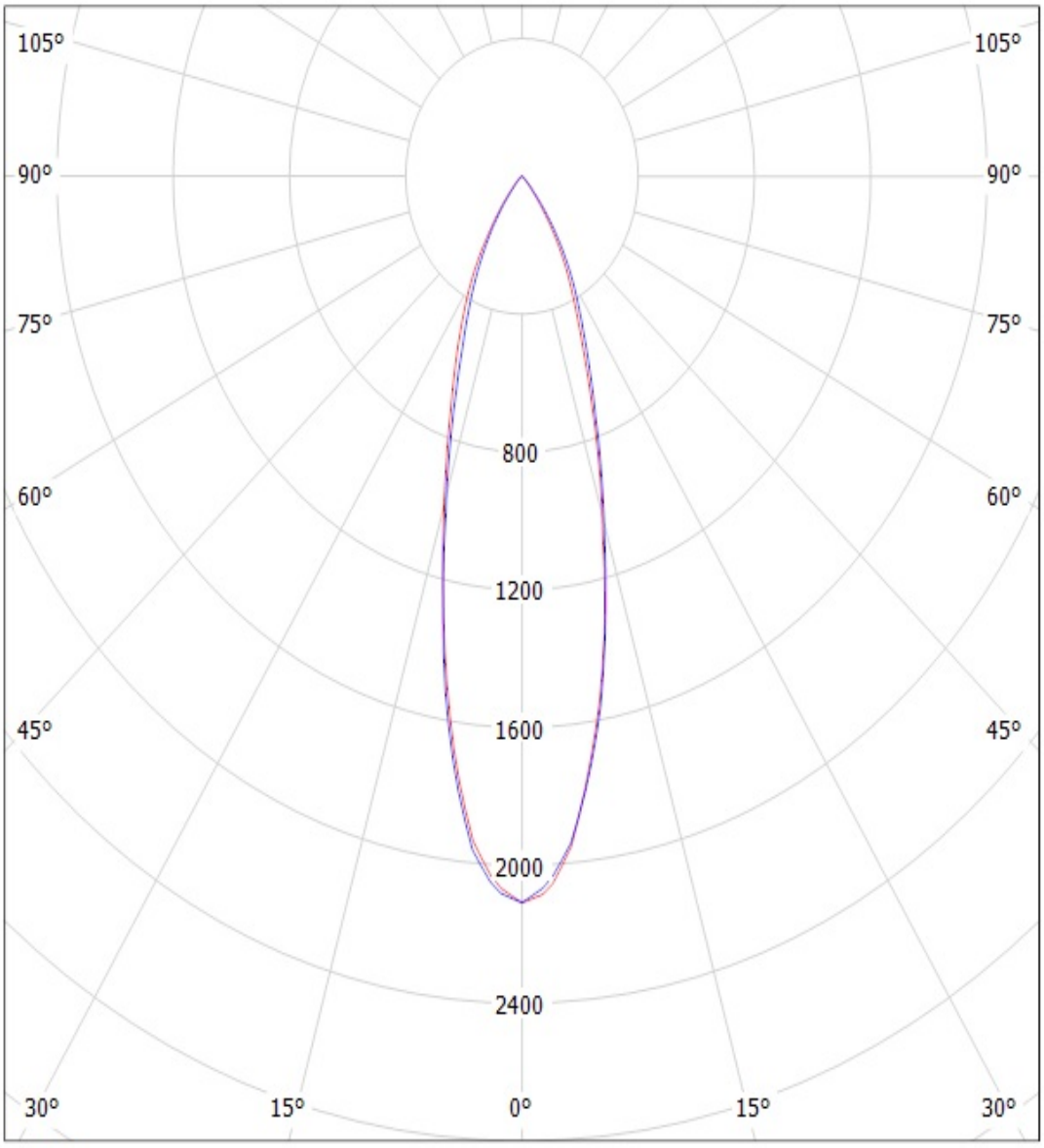
Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: LEDiL Oy CN12484_MIRELLA-50-M-DL_(Mini_Zenigata) Eff.83.3%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



Luminaire: LEDil Oy CN12484_MIRELLA-50-M-DL_(Stark_SLE_G3_LES10) Efficiency=82%
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

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.