

DETAILS

Product Number	CN12483_MIRELLA-50-S-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 Compliant	Yes
Date Updated	31/10/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
BXRA LS	18 deg	Spot	83 %	4.000	-
CLL01x	20 deg	Spot	-	-	-
CLU720/721	30 deg	Spot	82 %	1.800	-
CLU710/711	26 deg	Spot	83 %	2.100	-
CLU700/701	21 deg	Spot	84 %	3.100	-
CLL02x/CLU02x (LES10)	28 deg	Spot	82 %	2.130	-
MT-G2	20 deg	Spot	85 %	3.700	-
CXA/B 15xx	20 deg	Spot	90 %	3.100	-
CXA/B 13xx	15 deg	Spot	81 %	5.400	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	26 deg	Spot	83 %	2.600	-
XHP50	17 deg	Spot	85 %	4.100	-
XHP70	19 deg	Spot	86 %	4.000	-
MHD-E/G	20 deg	Spot	88 %	3.300	-
COB 4W	17 deg	Spot	86 %	4.400	-
LUXEON S1000	21 deg	Spot	-	-	-
LUXEON CoB 1202/1203	23 deg	Spot	85 %	3.100	-
CXM-9	24 deg	Spot	84 %	2.700	-
COB L-Type (LES 9)	23 deg	Spot	86 %	3.200	-
NSCxL036A	19 deg	Spot	84 %	4.200	-
Soleriq S13	30 deg	Spot	83 %	2.100	-
Duris S10	20 deg	Spot	81 %	3.400	-
Soleriq S9	sim: 21	Spot	sim: 86 %	sim: 3.400	-
ZC4/6	21 deg	Spot	83 %	3.400	-
Mini Zenigata (GW5BM)	20 deg	Spot	86 %	3.500	-
Mini Zenigata (GW6BM)	20 deg	Spot	84 %	3.200	-





PRODUCT DATASHEET

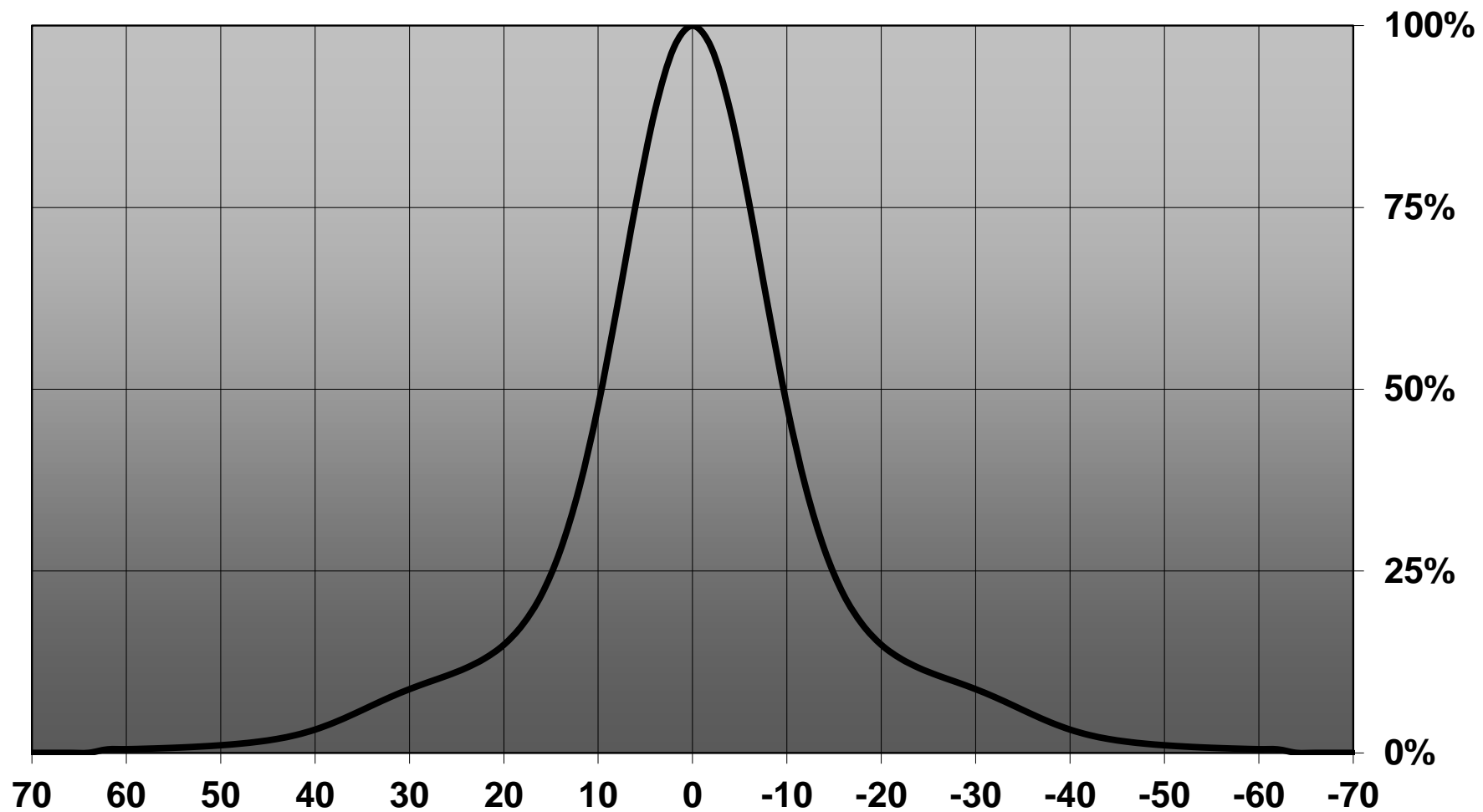
Mirella series

last update 31/10/2016

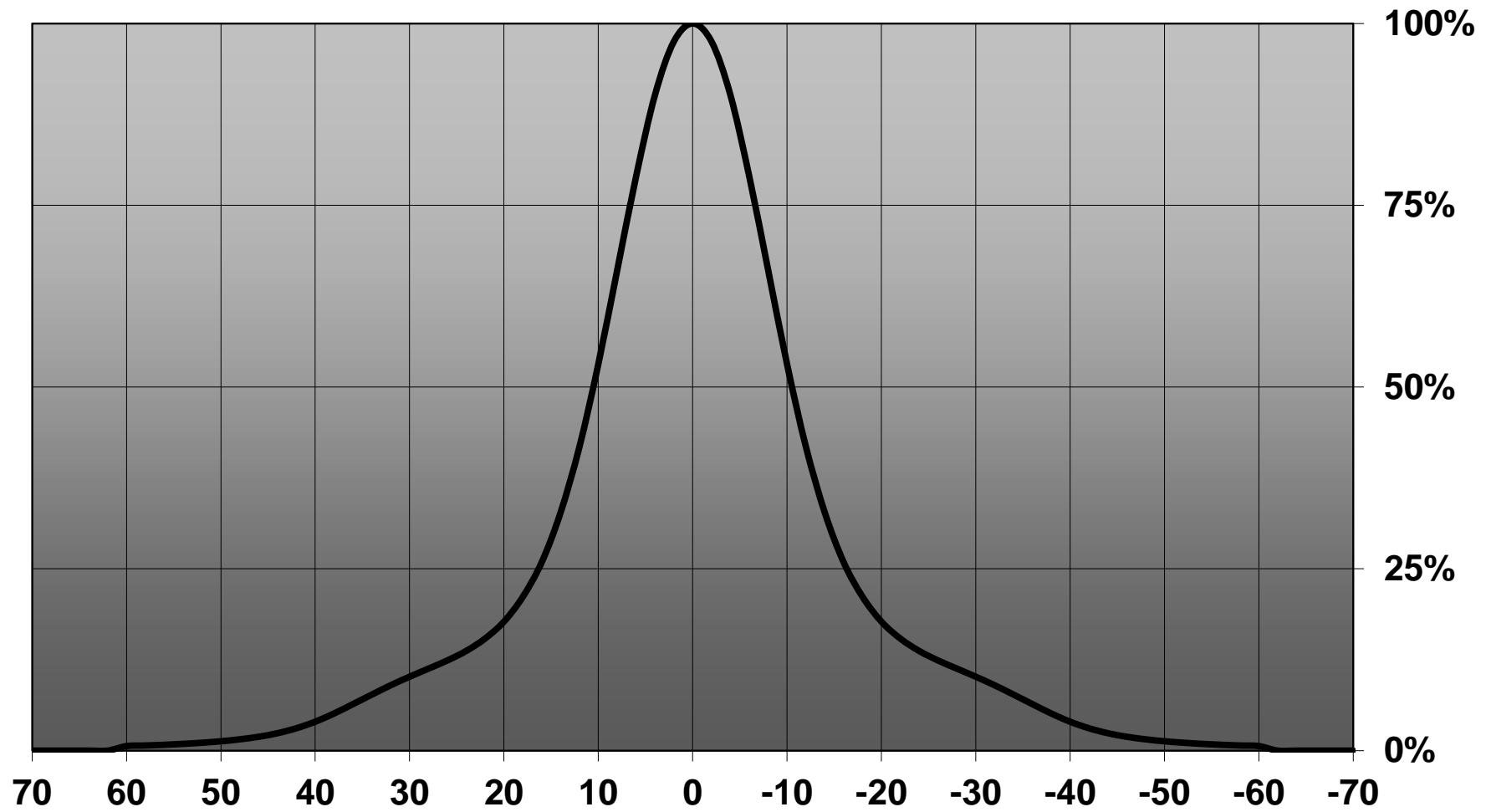
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
STARK SLE PURE G3 LES10	20 deg	Spot	83 %	3.800	-

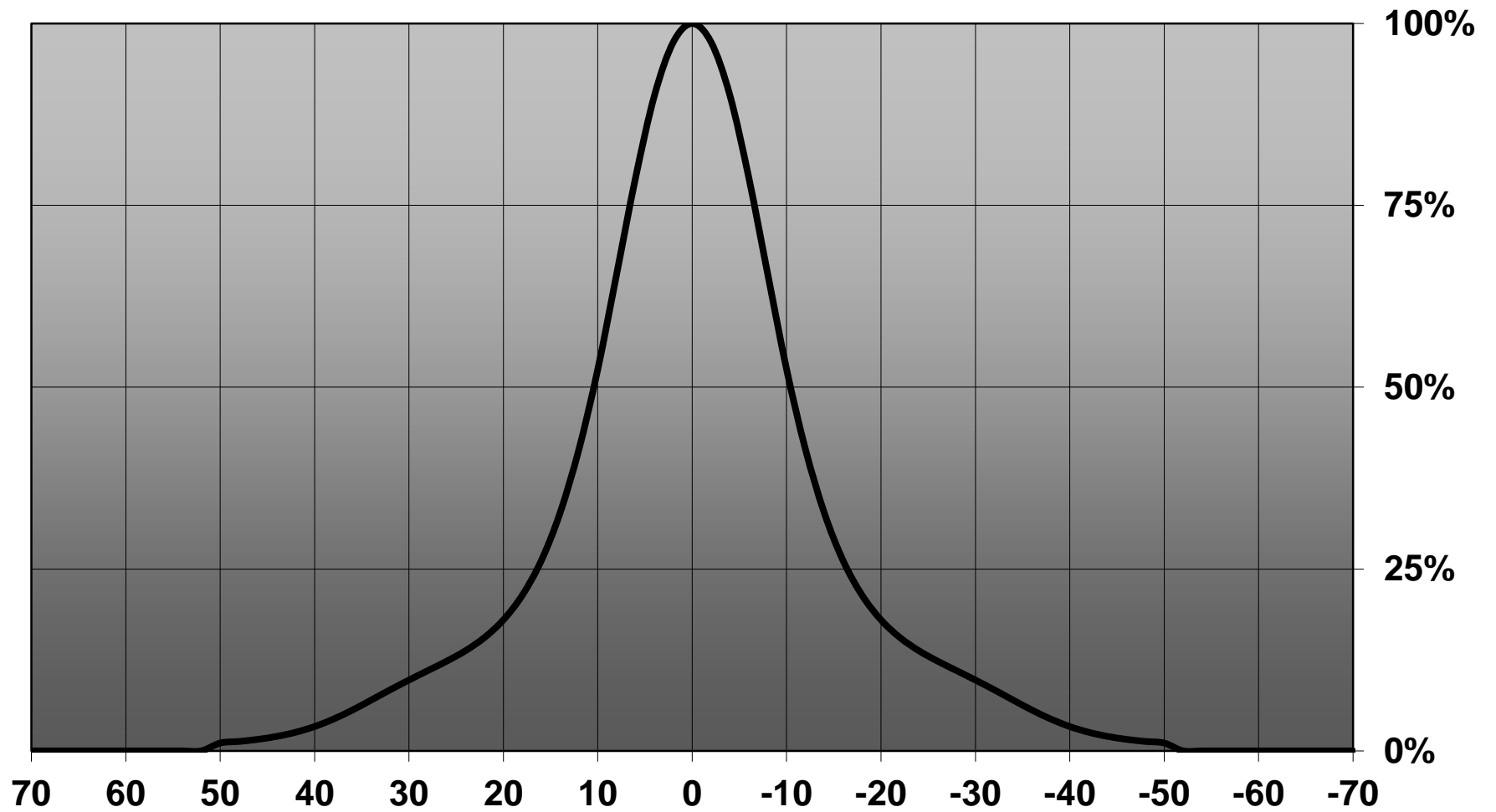
Relative intensity of CN12483_MIRELLA-50-S-DL_(CLL010)



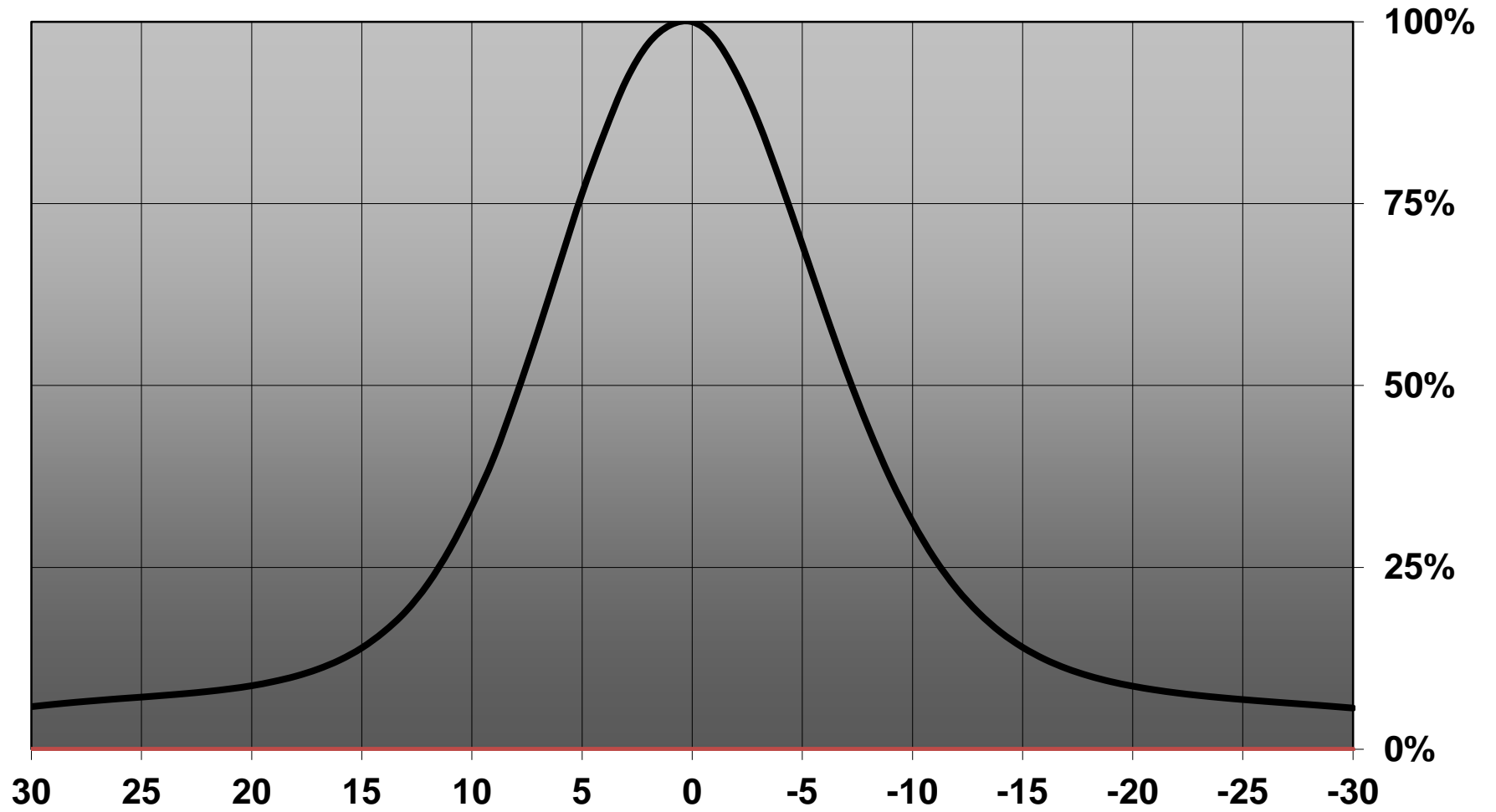
Relative intensity of CN12483_MIRELLA-50-S-DL_(MTG_Gen_II)



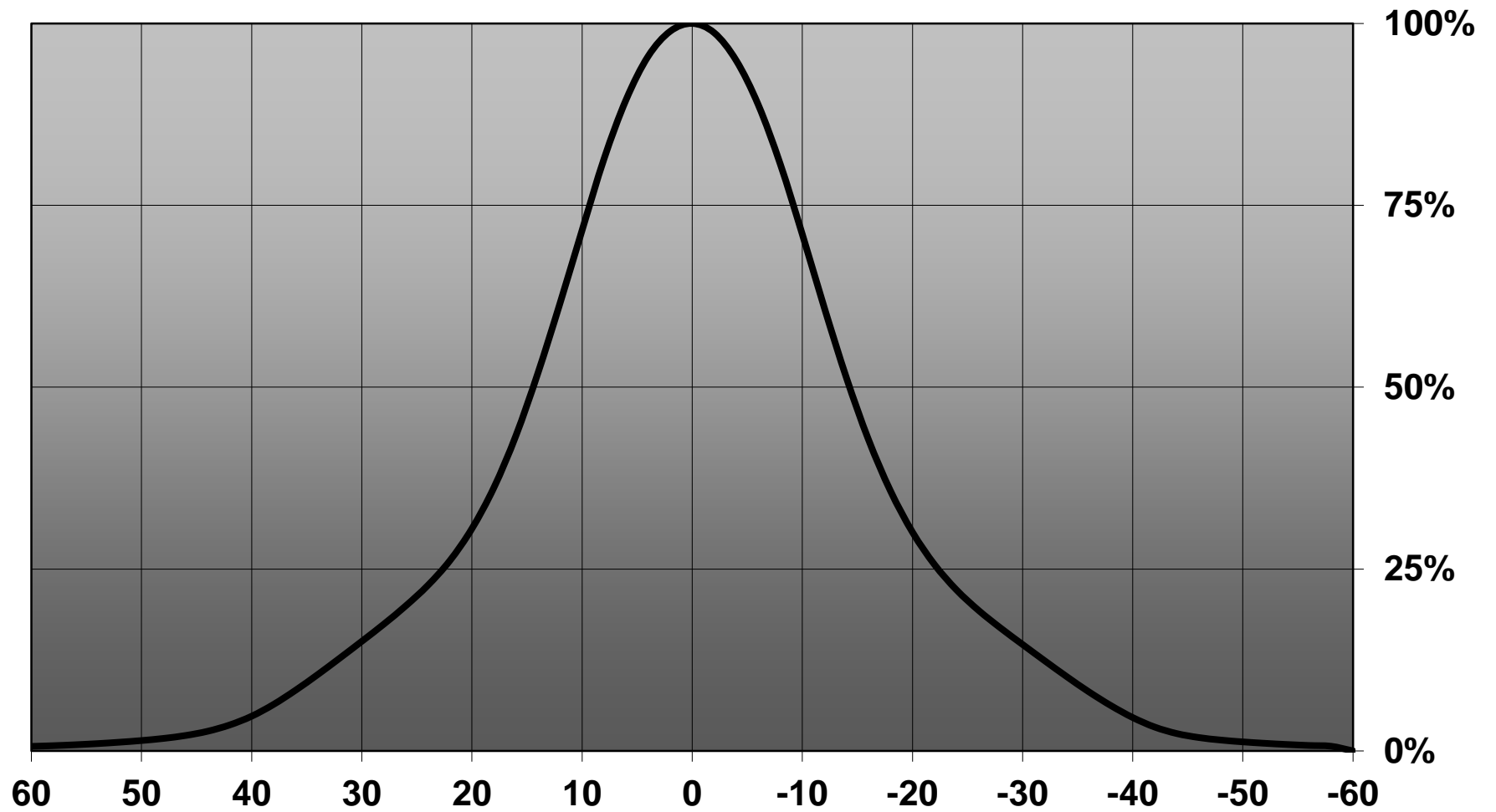
Relative intensity of CN12483_MIRELLA-50-S-DL



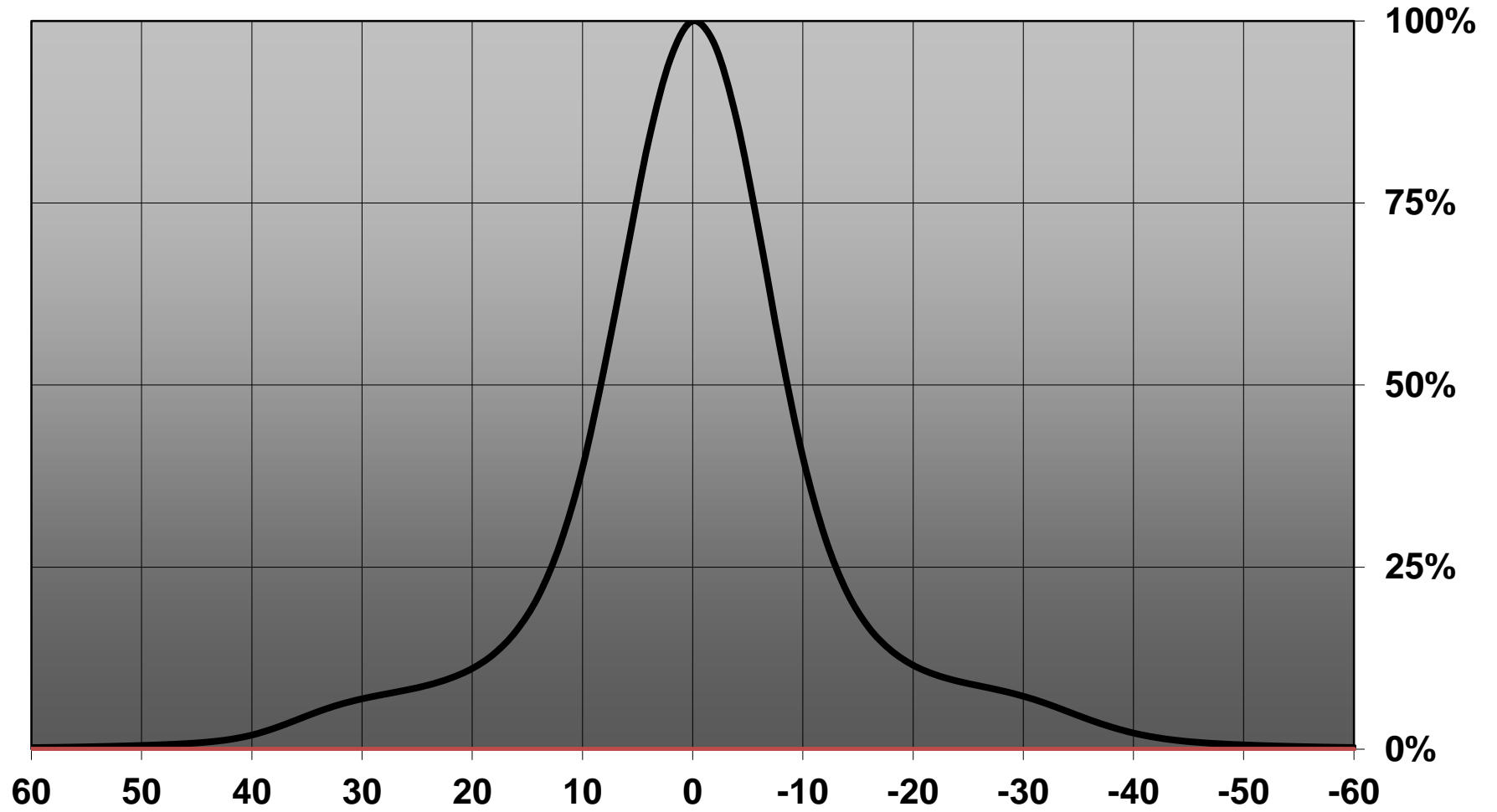
Relative intensity of CN12483_MIRELLA-50-S-DL_(CXA1304)



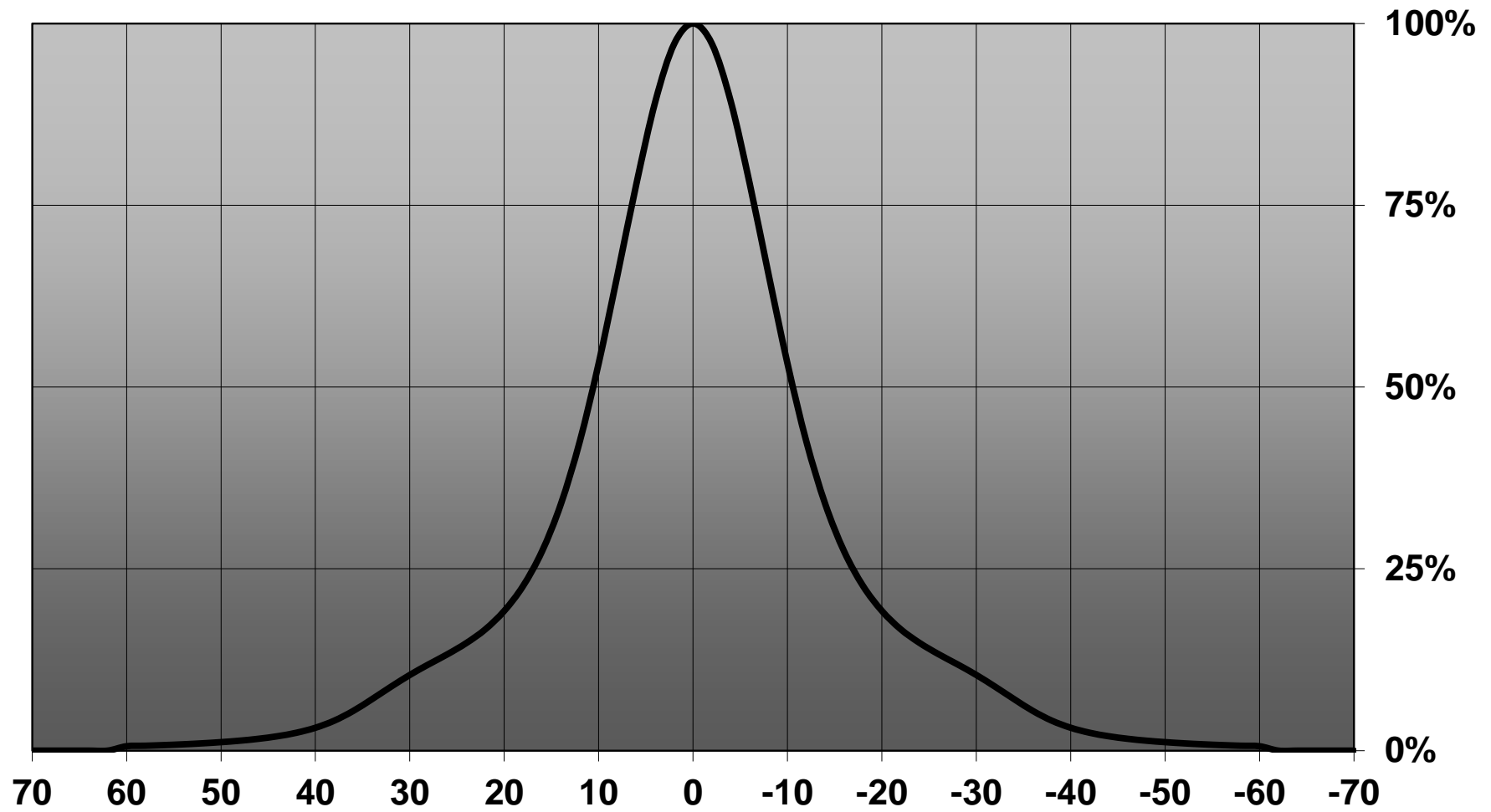
Relative intensity of CN12483_MIRELLA-50-S-DL_(CXA1816)



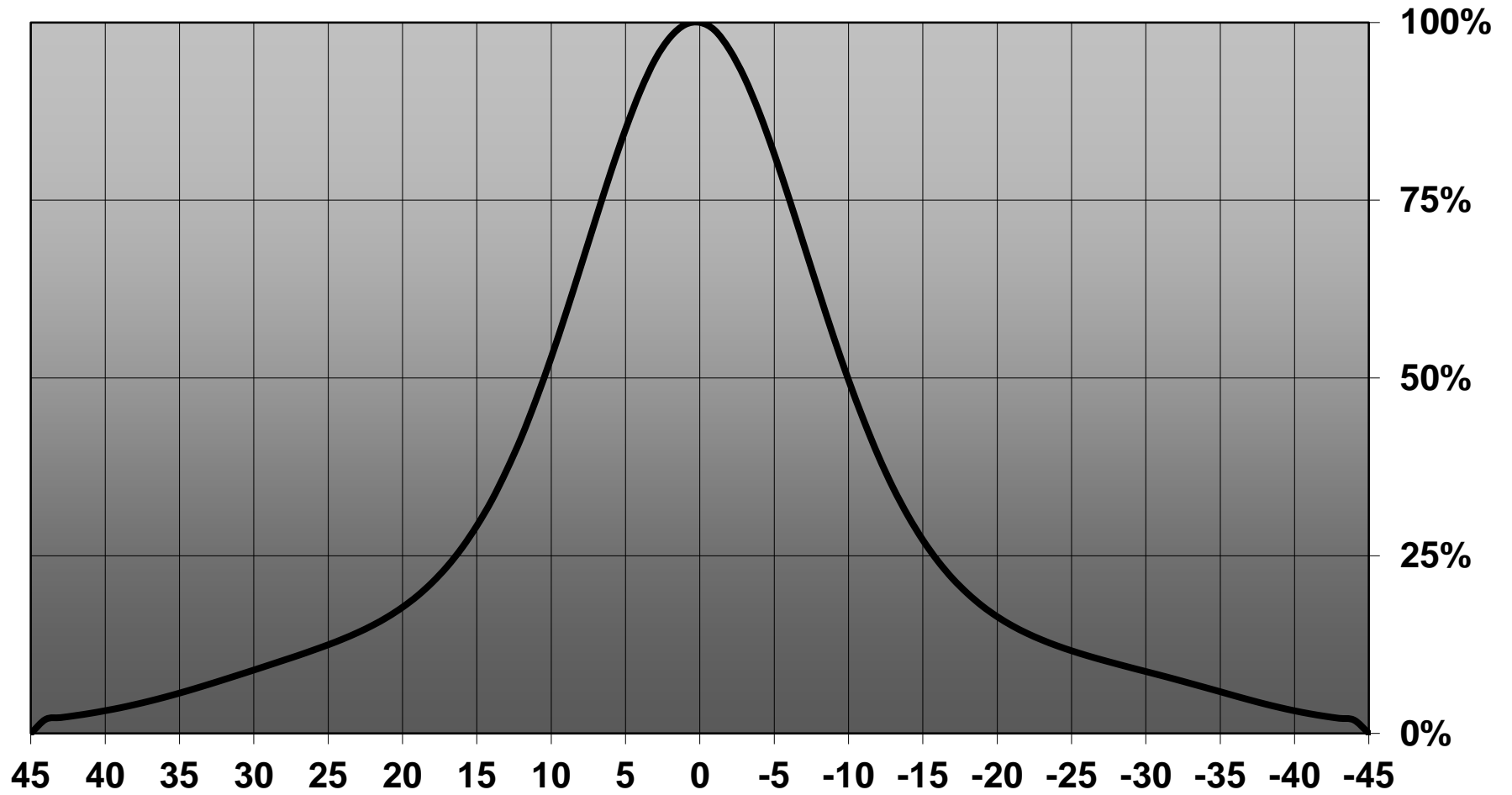
Relative intensity of Mirella-S-DL-4WLG

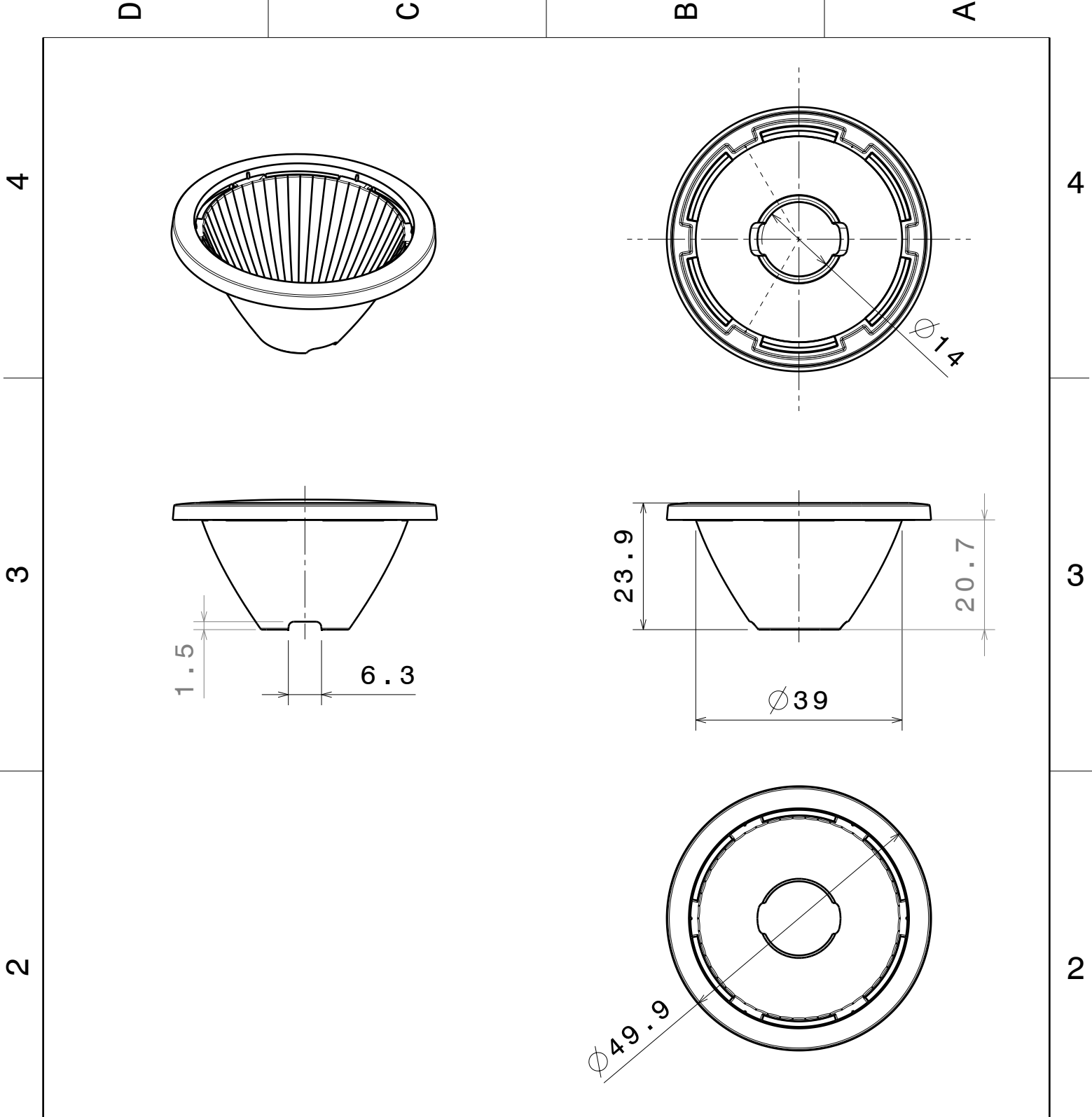


Relative intensity of CN12483_MIRELLA-50-S-DL_(Luxeon_S)



Relative intensity of CN12483_MIRELLA-50-S-DL_(Duris_S10)





Material: PC, metal plated

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Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE

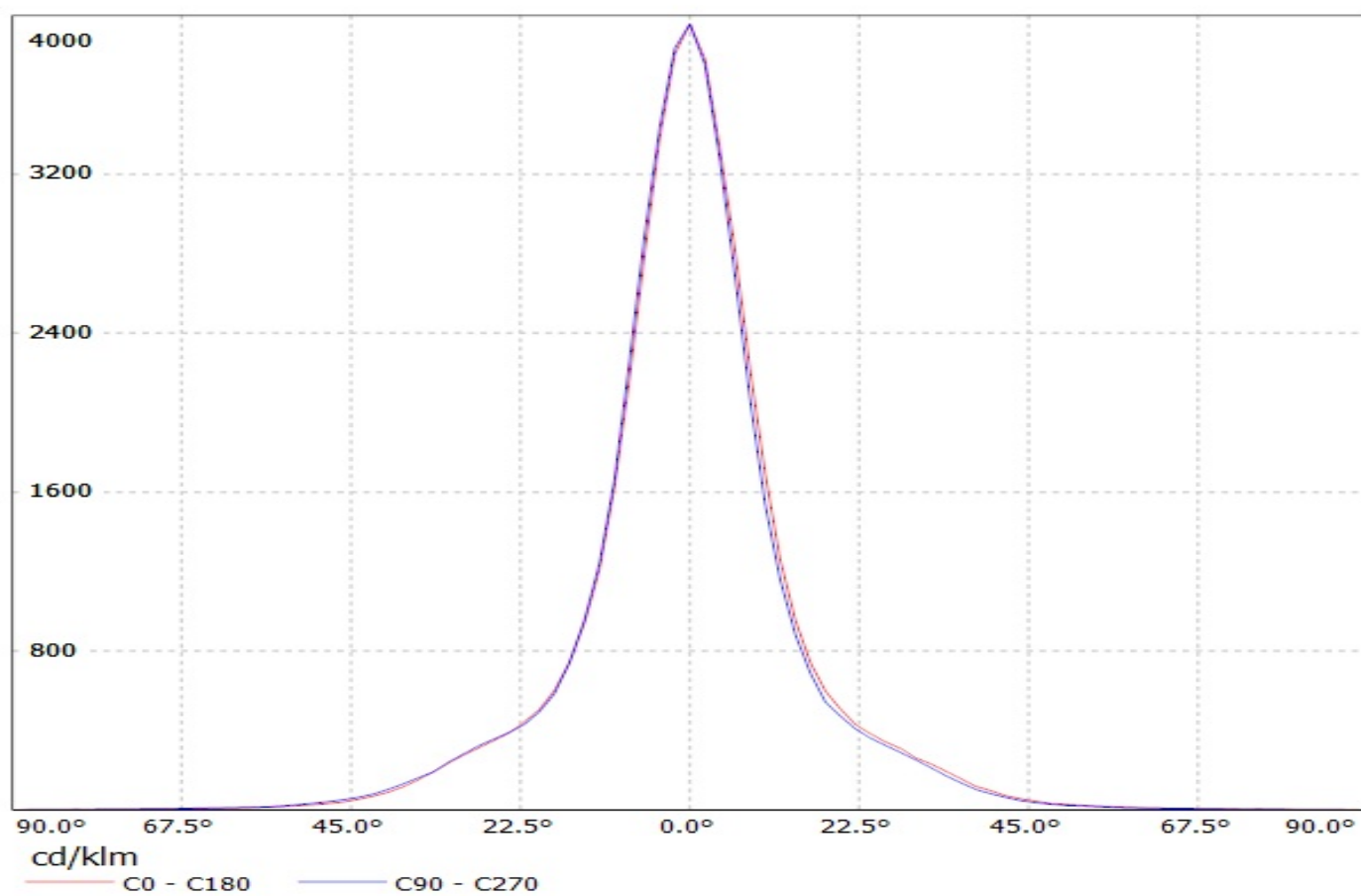
Datasheet Mirella reflector

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

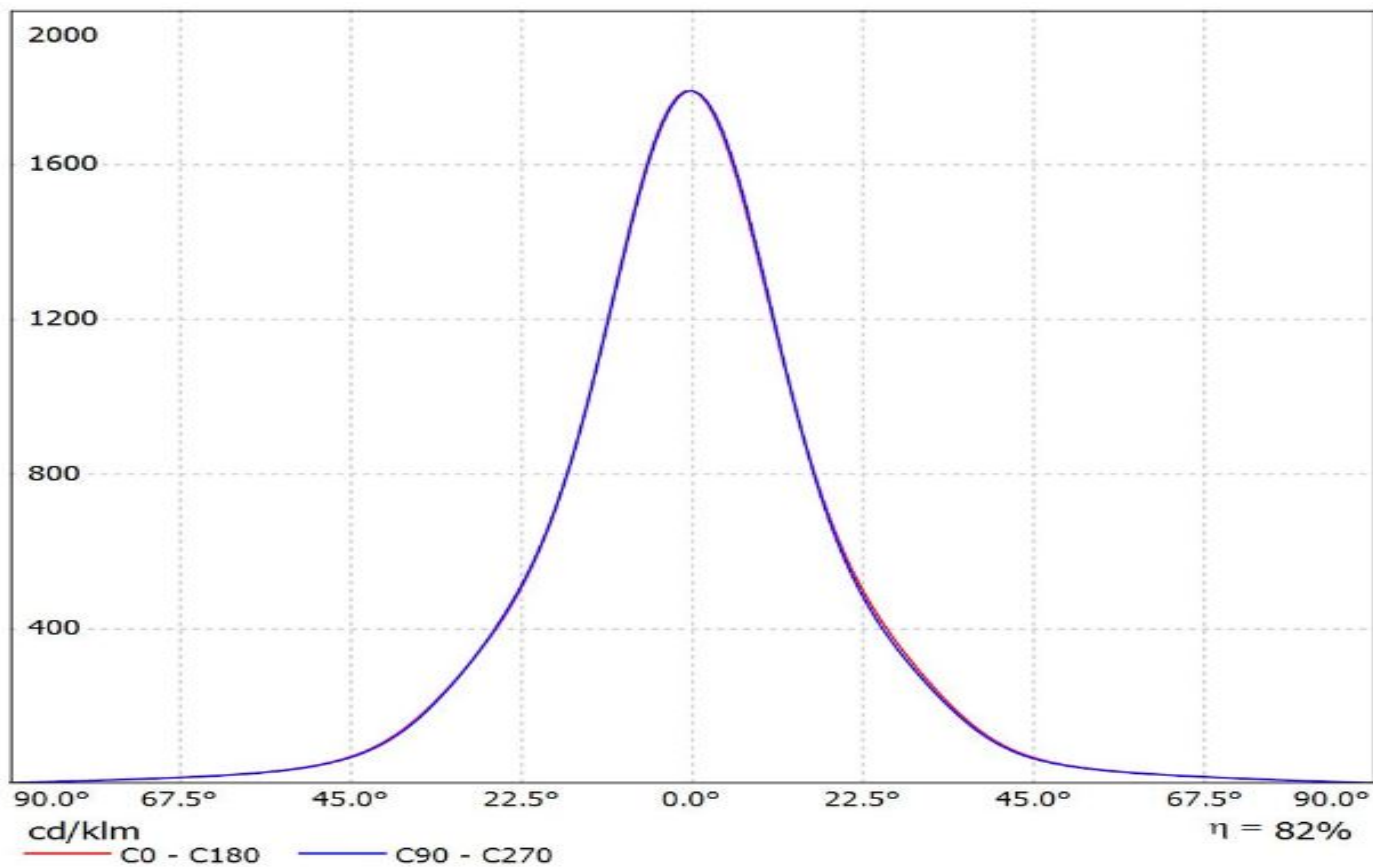
D

A

Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL (Bridgelux LS 170lm @ 250mA) Efficiency=83%
Lamps: 1 x Bridgelux LS 170lm @ 250mA

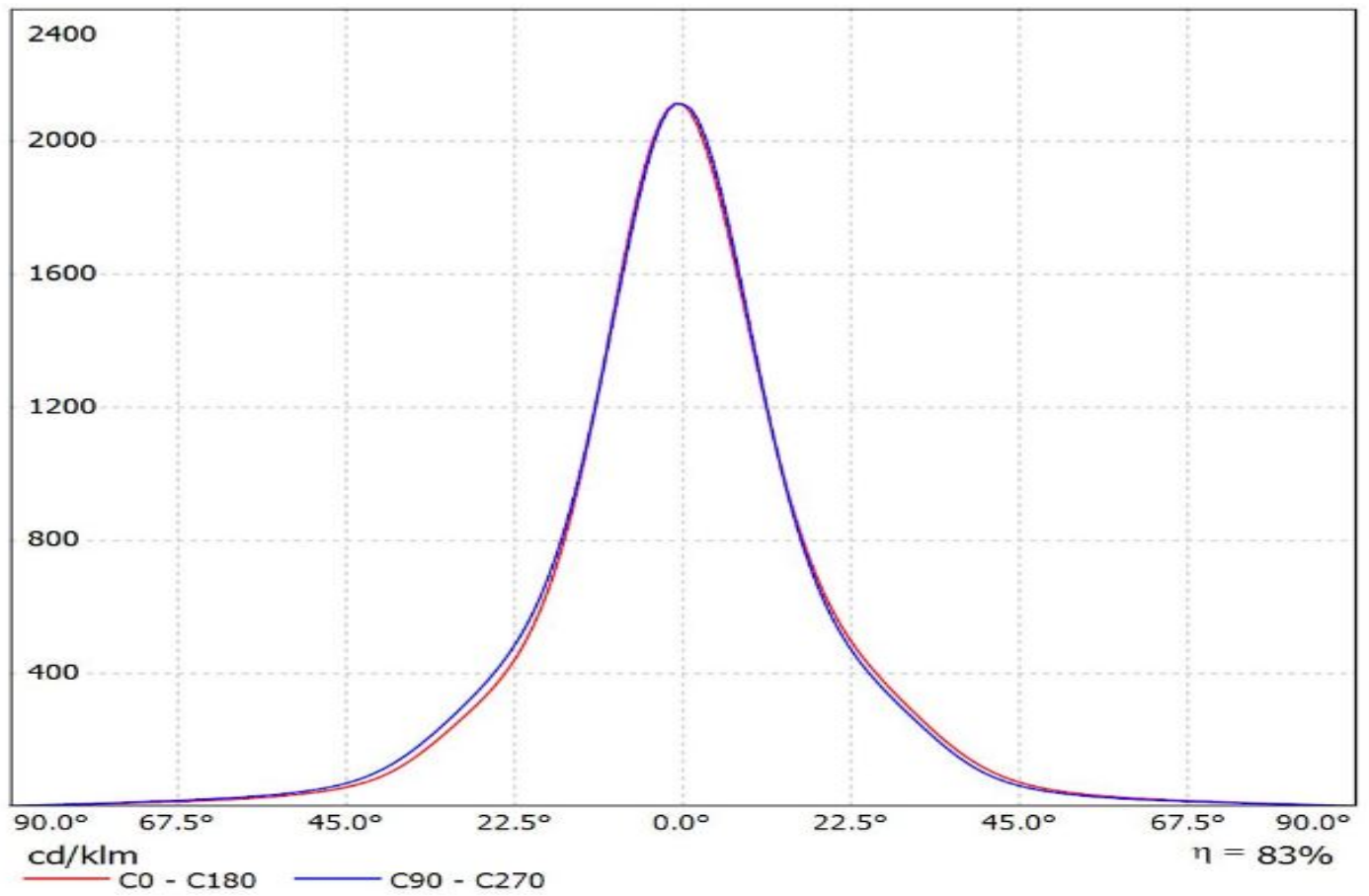


Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



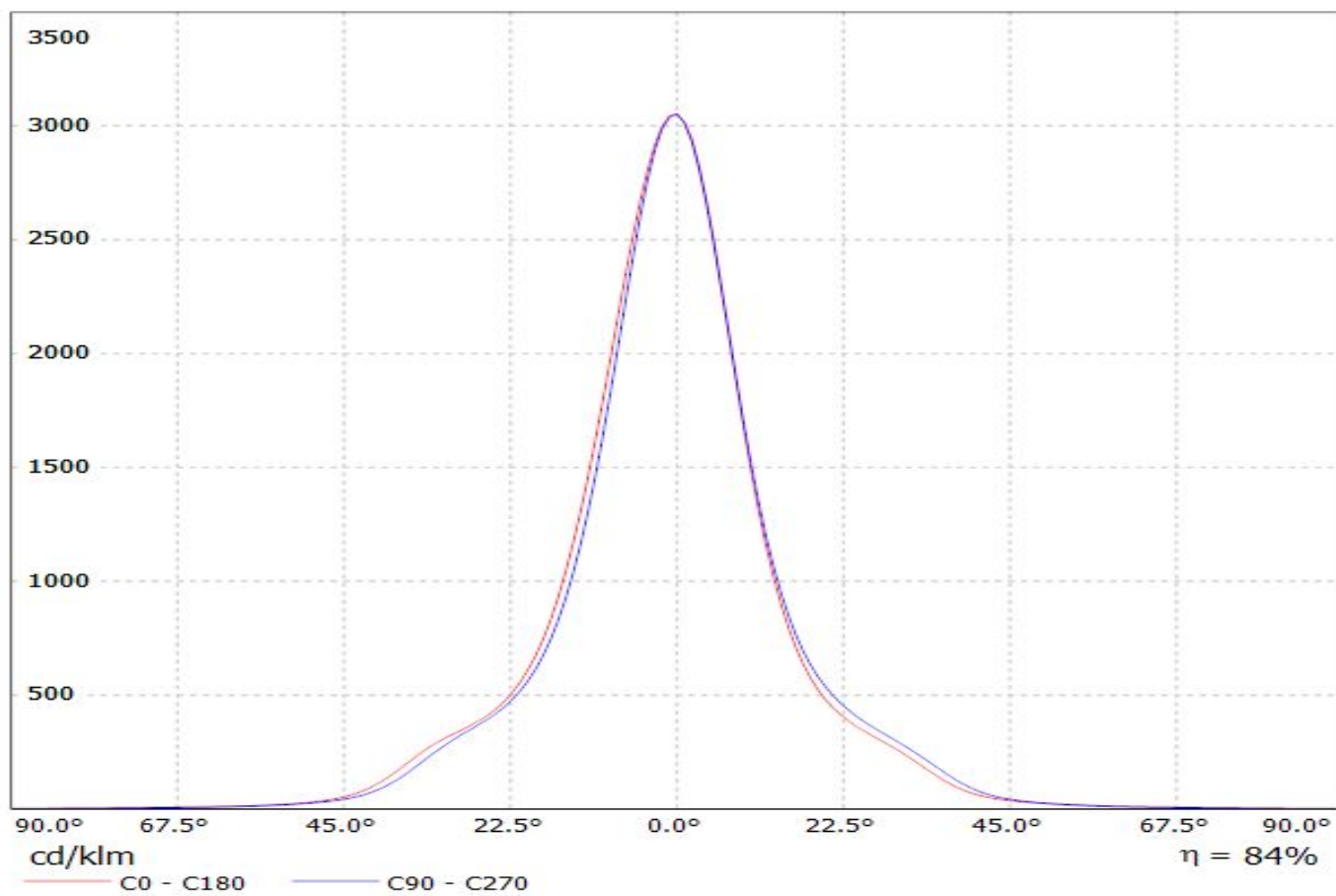
Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(CLU710)

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

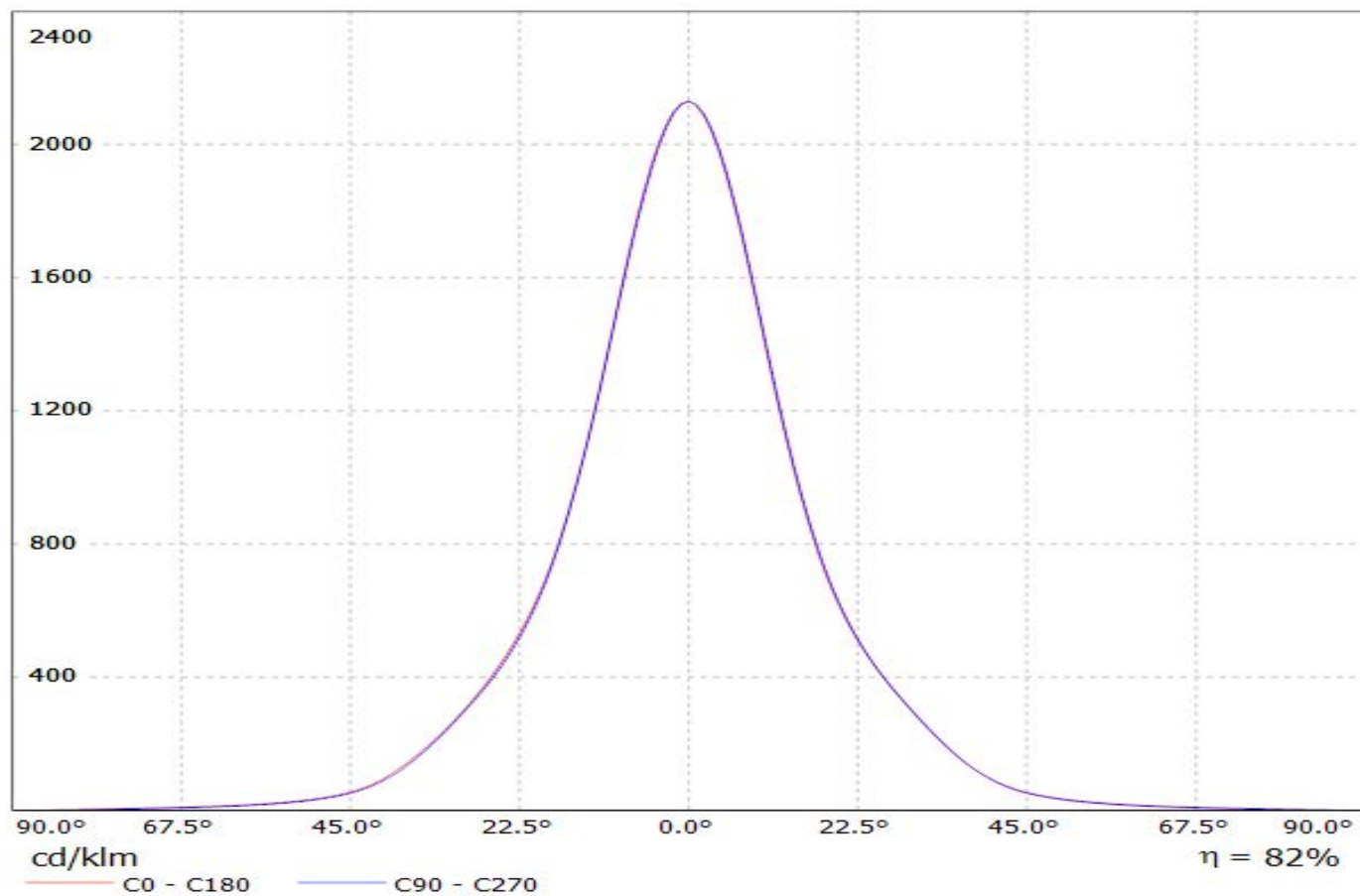


Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CLU700)

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



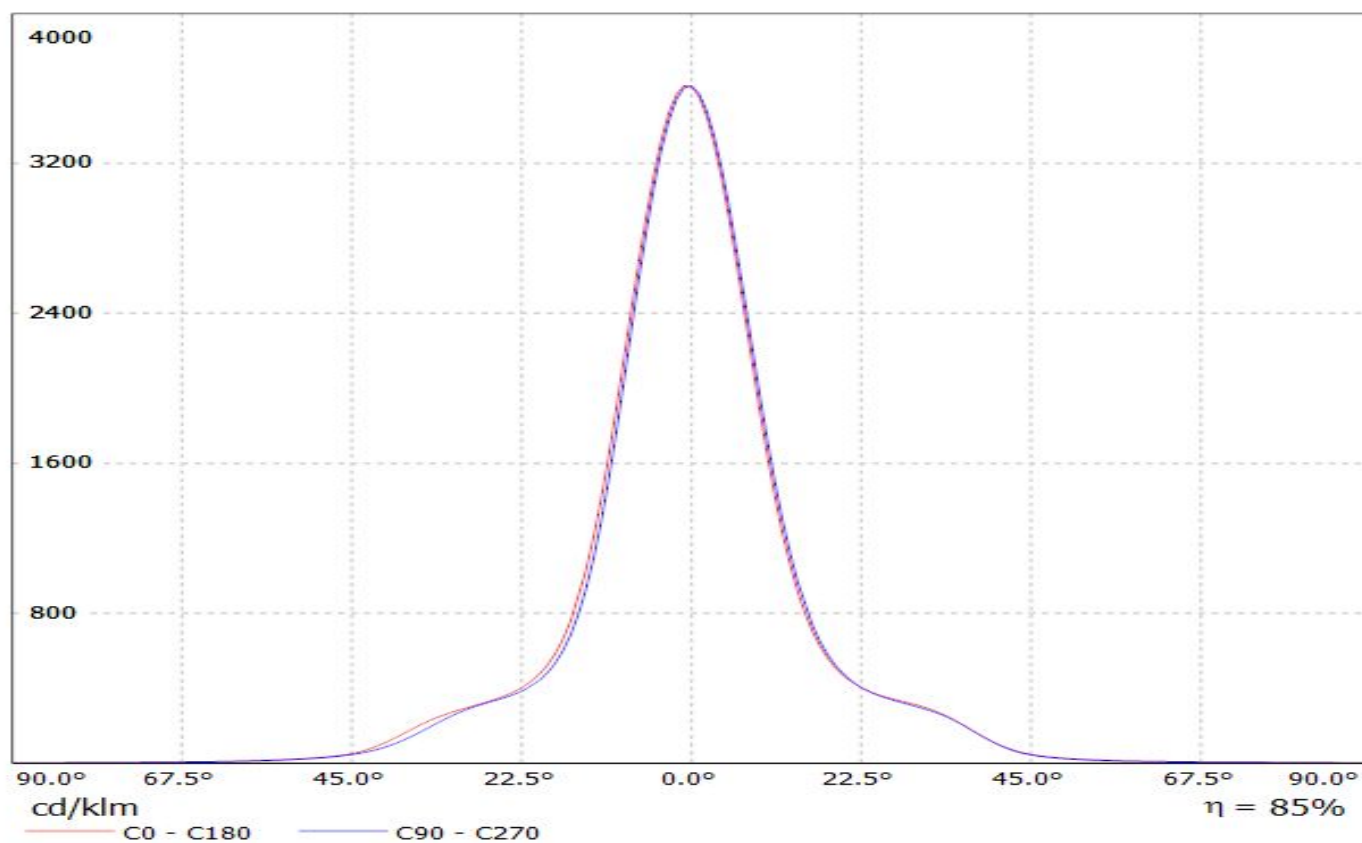
Luminaire: Ledil Oy
Lamps: 1 x CN12483_MIRELLA-50-S-DL_(CLL028)



LEDiL Oy CN12483_MIRELLA-50-S-DL_(MT-G2) Eff.85.4% / LDC (Linear)

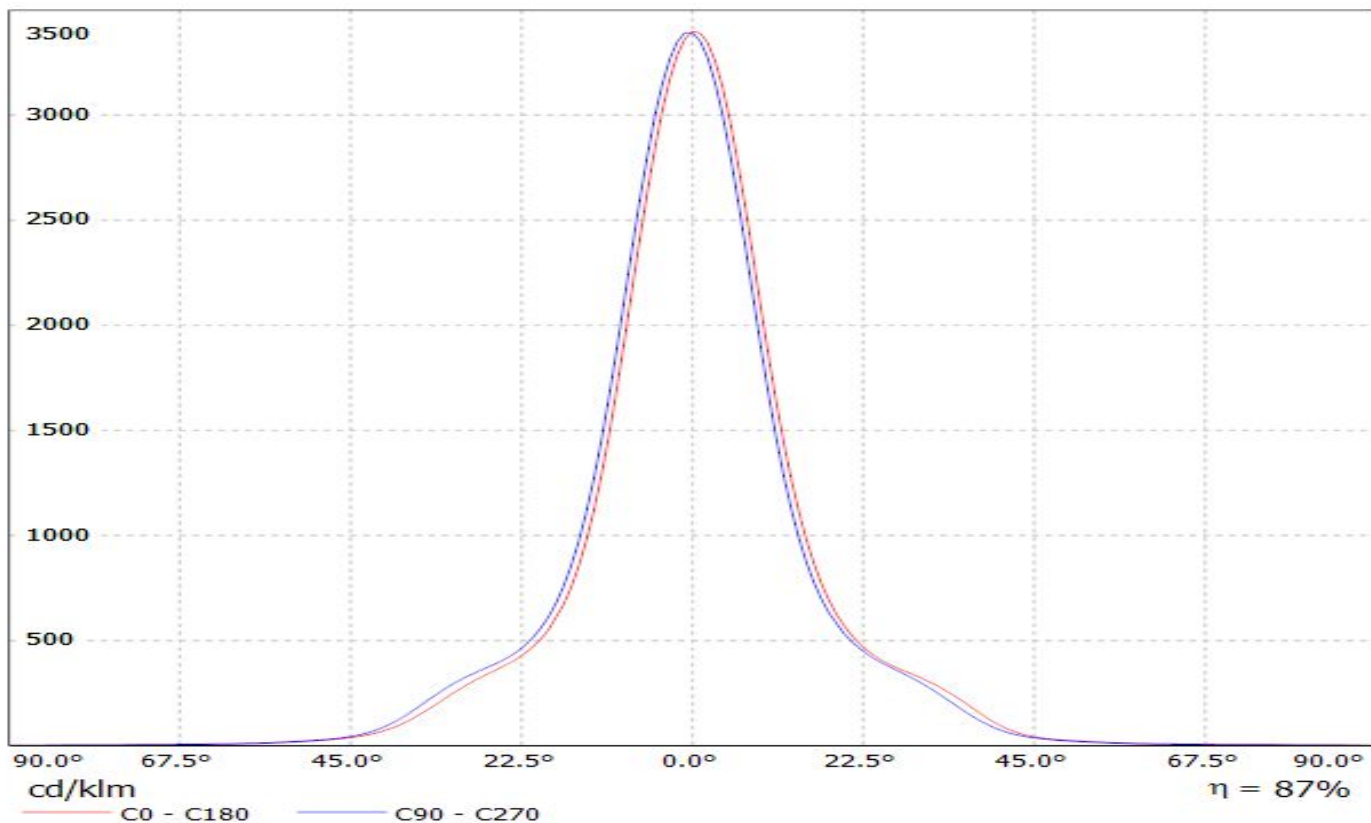
Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(MT-G2) Eff.85.4%

Lamps: 1 x MT-G2 (171lm@250mA)

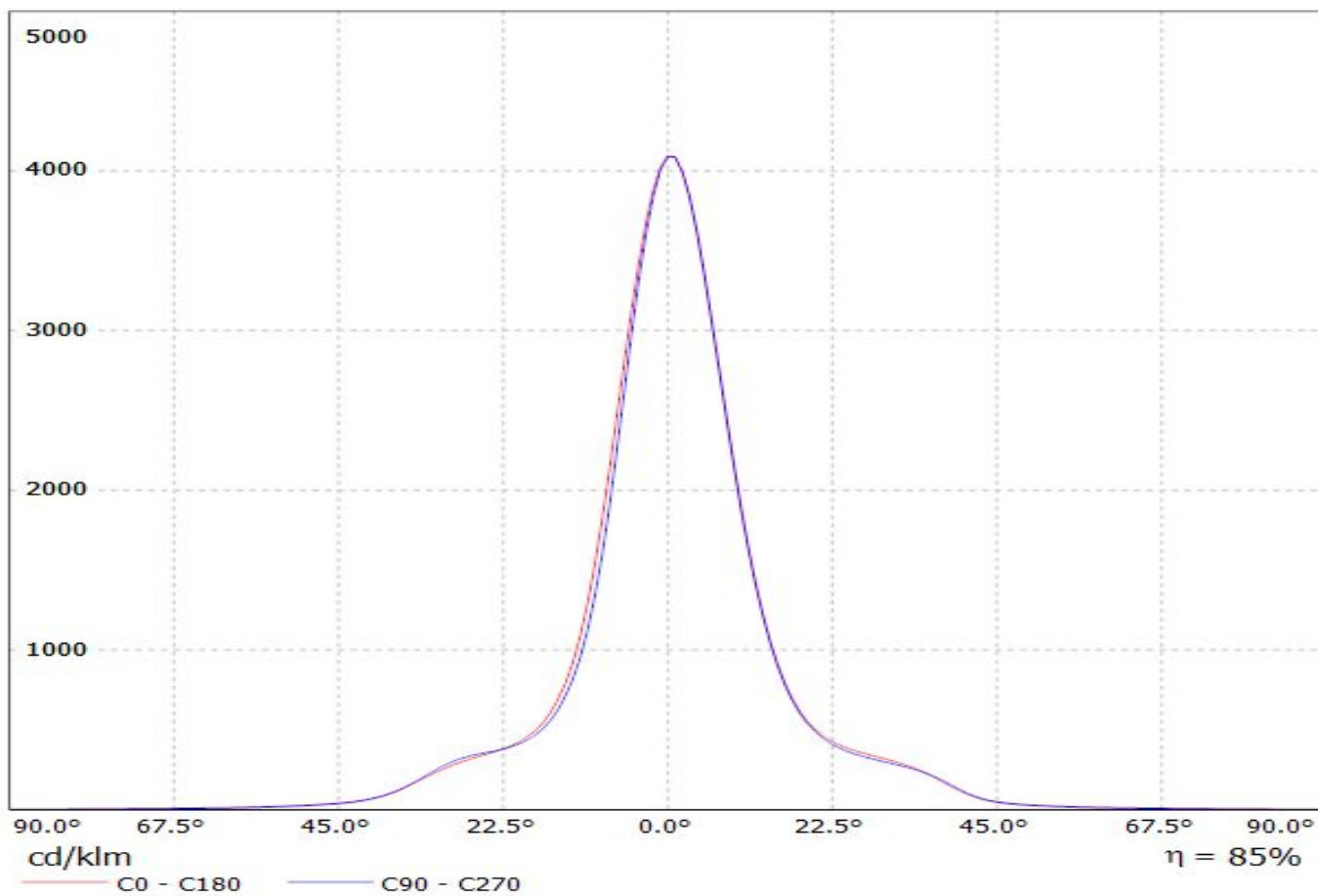


LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXA1507) Eff.86.9% / LDC (Linear)

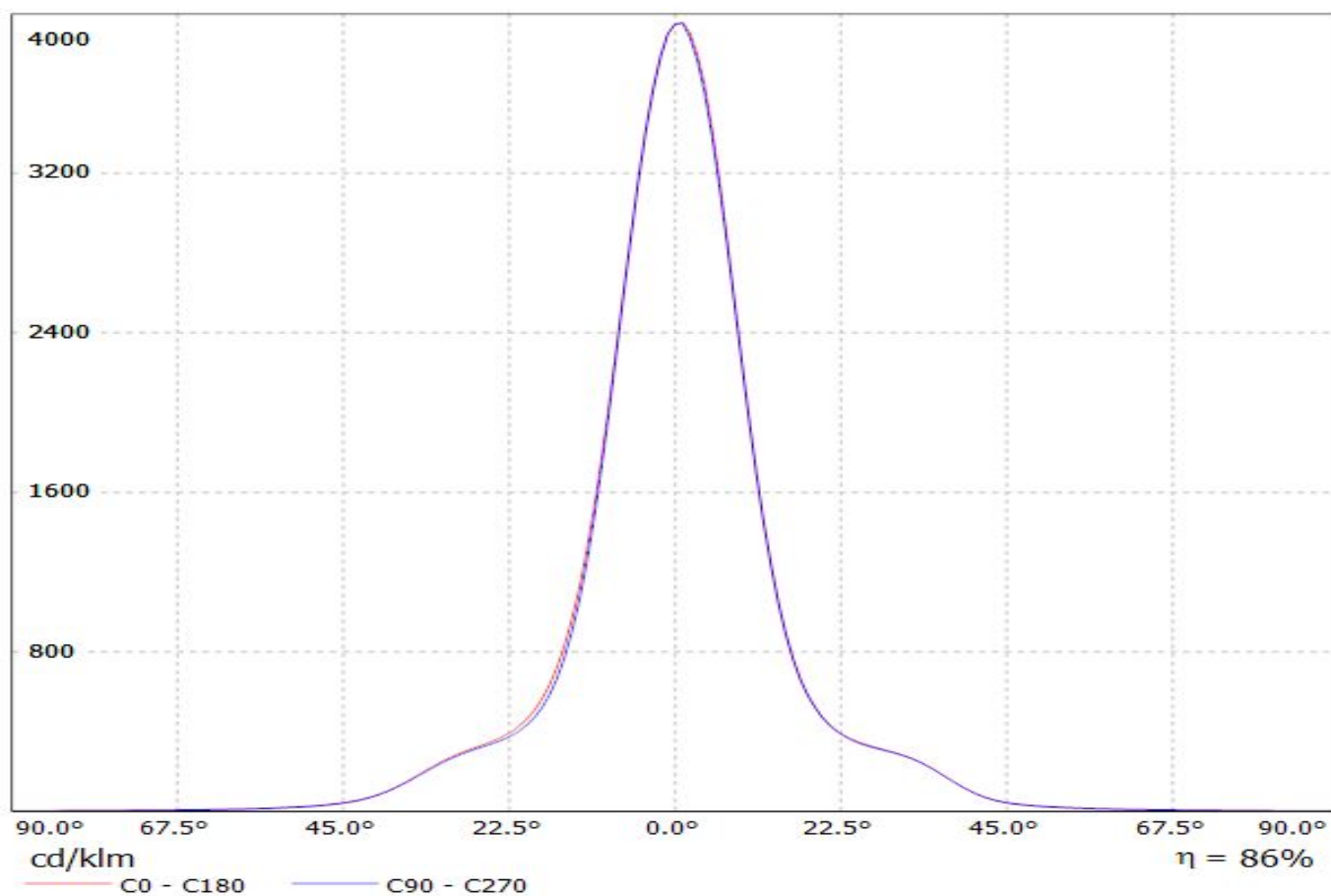
Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXA1507) Eff.86.9%
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA



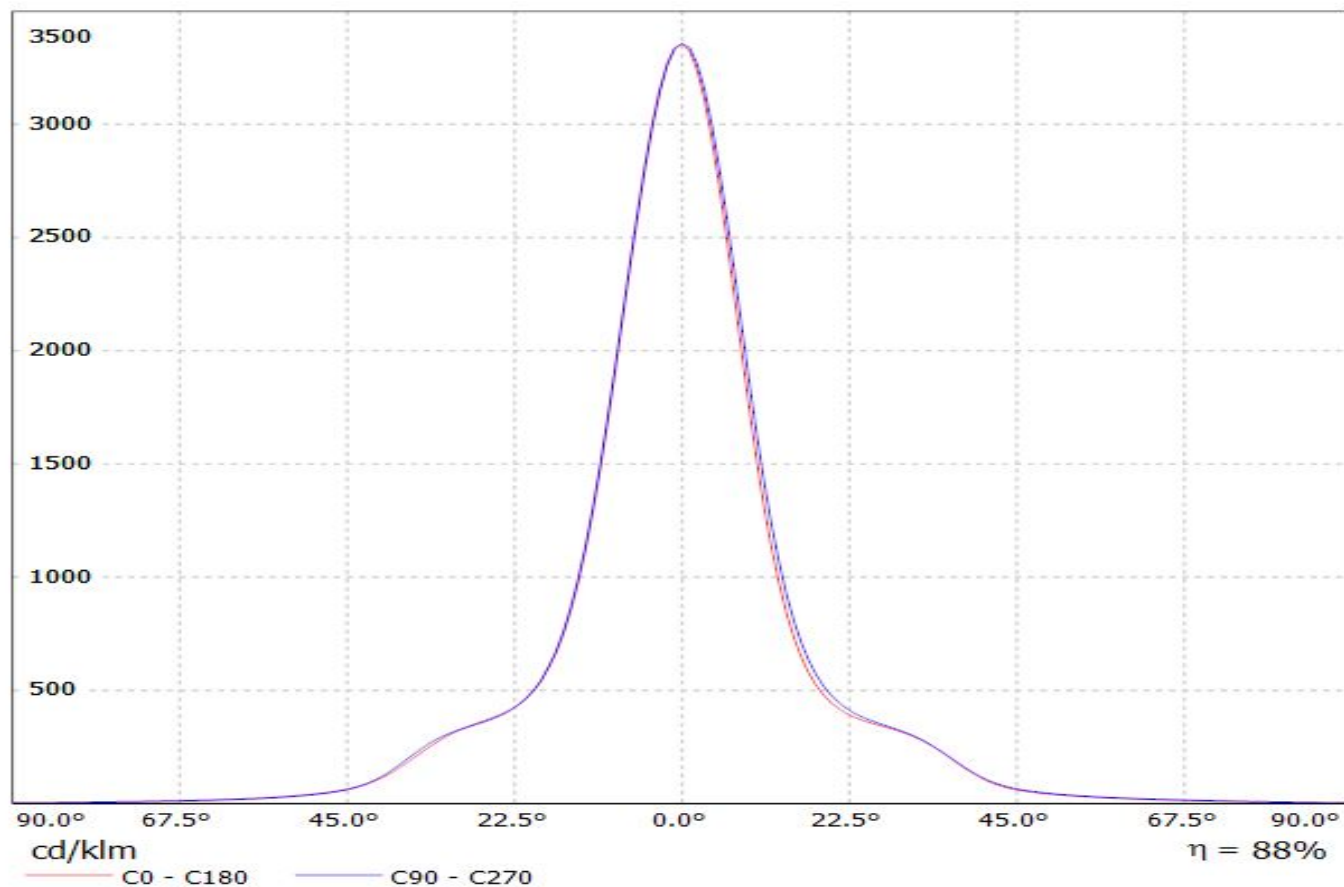
Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_195.126lm@250mA_P=1.39922W_I=0.2499A



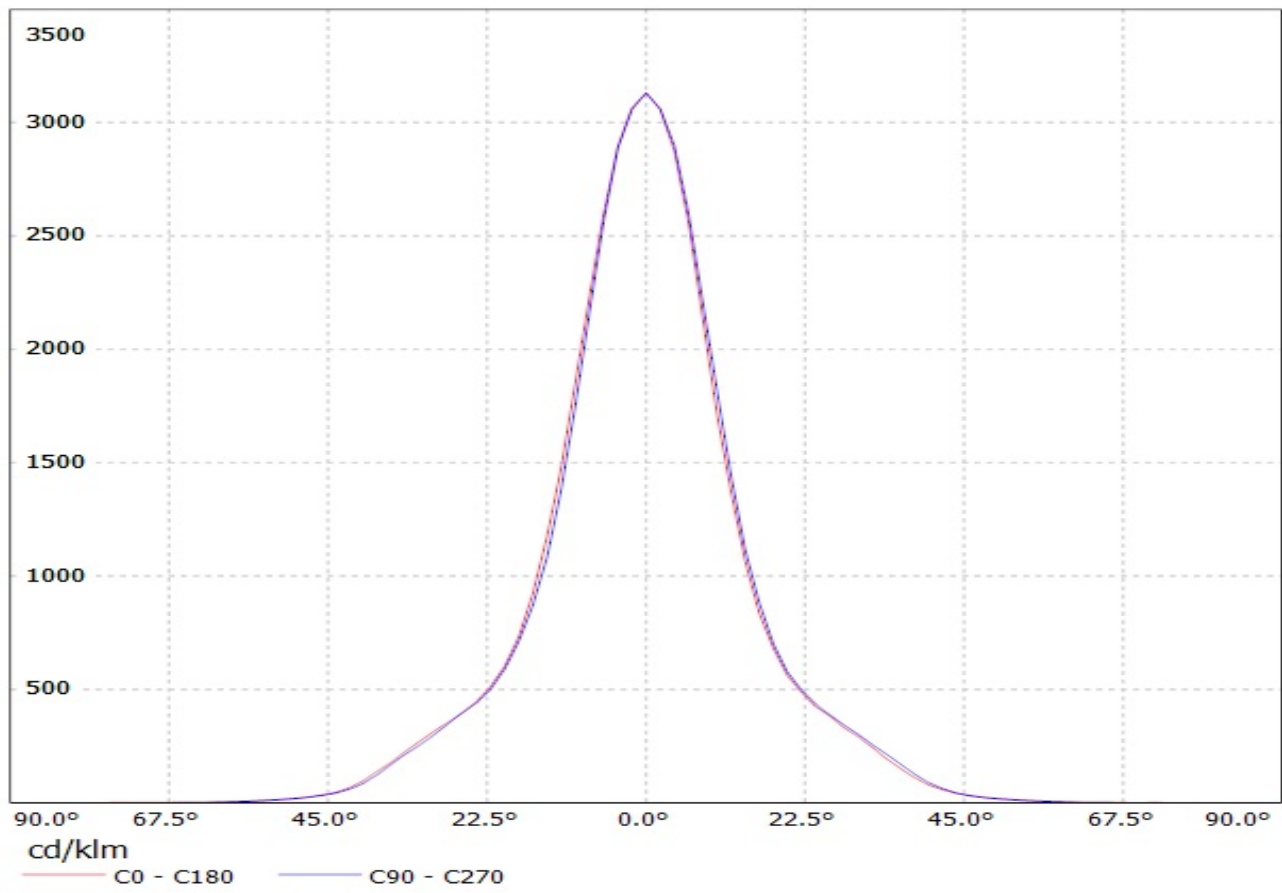
Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A

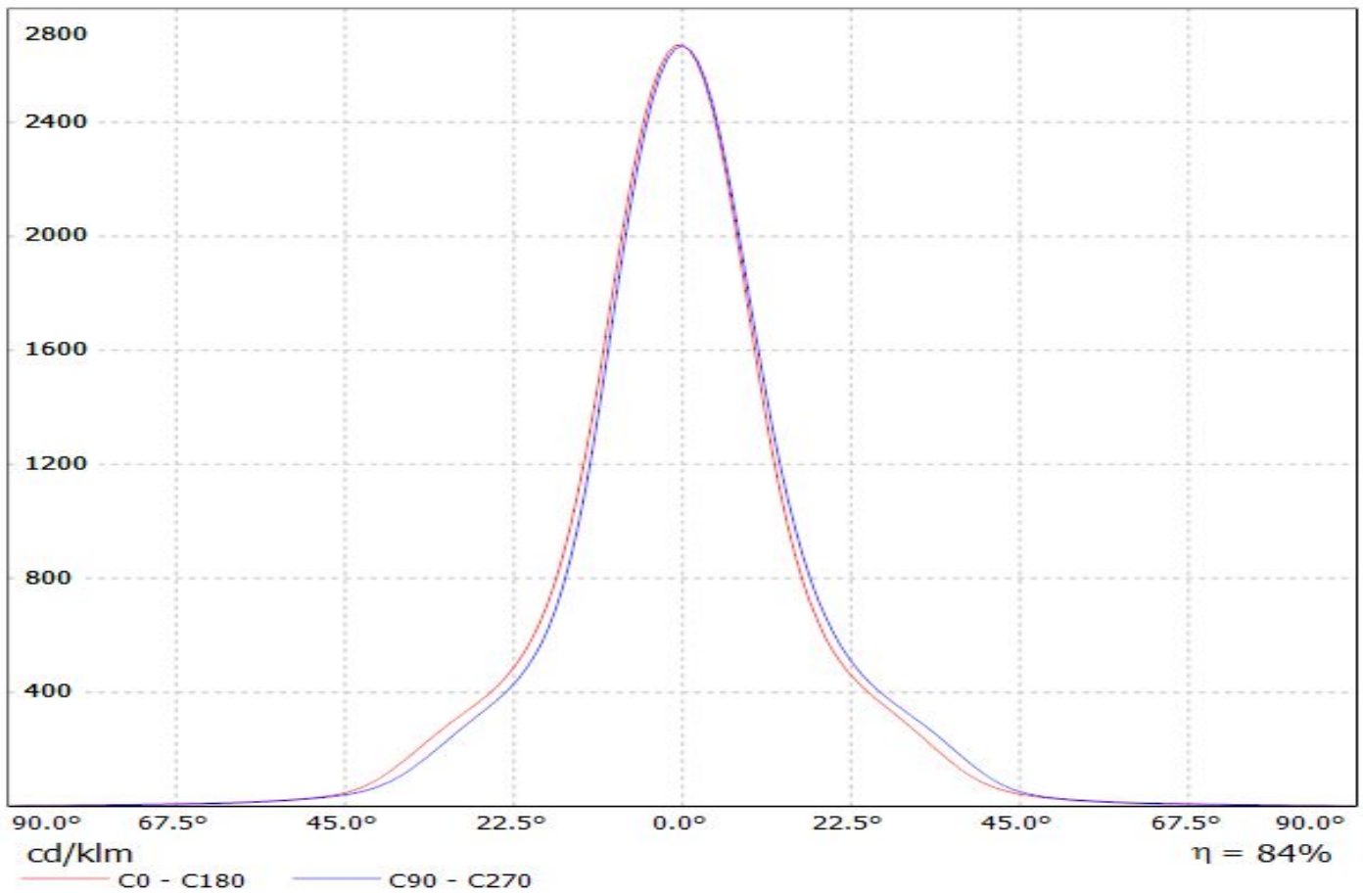


Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL_(Luxeon_CoB_1203) Efficiency= 85%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I= 250mA

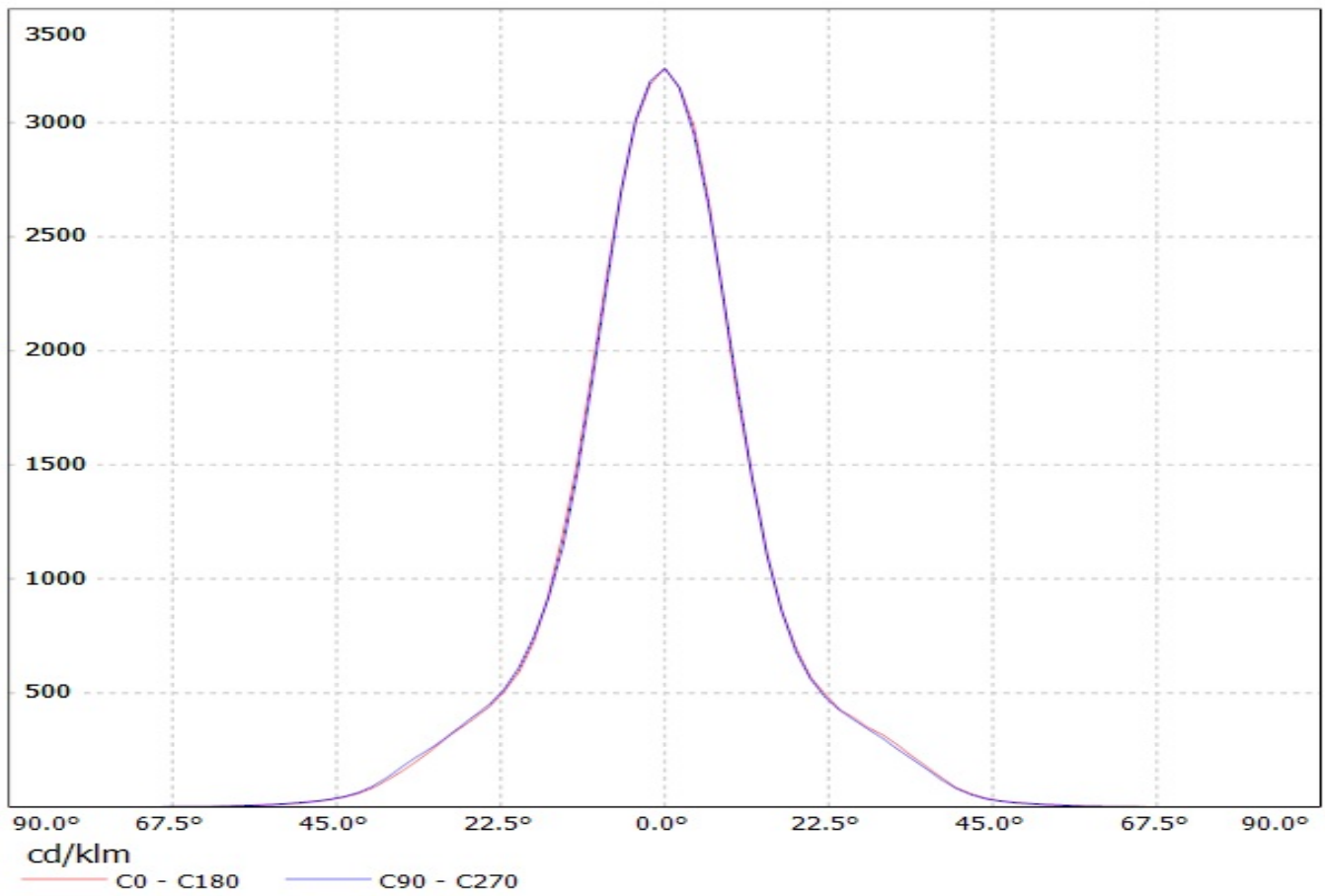


Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXM-9)

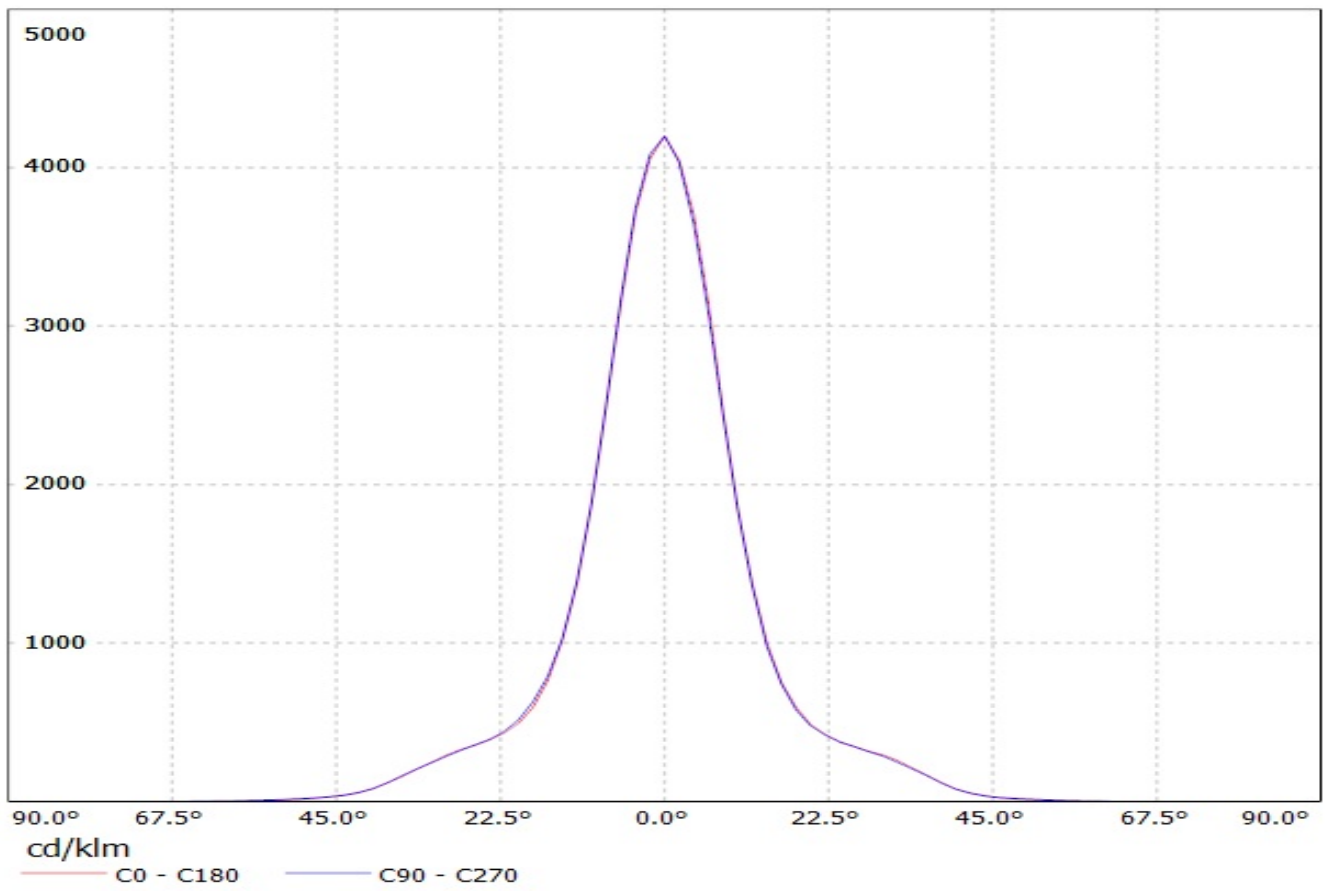
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.083lm@240mA_P=8.27544W_I=240mA



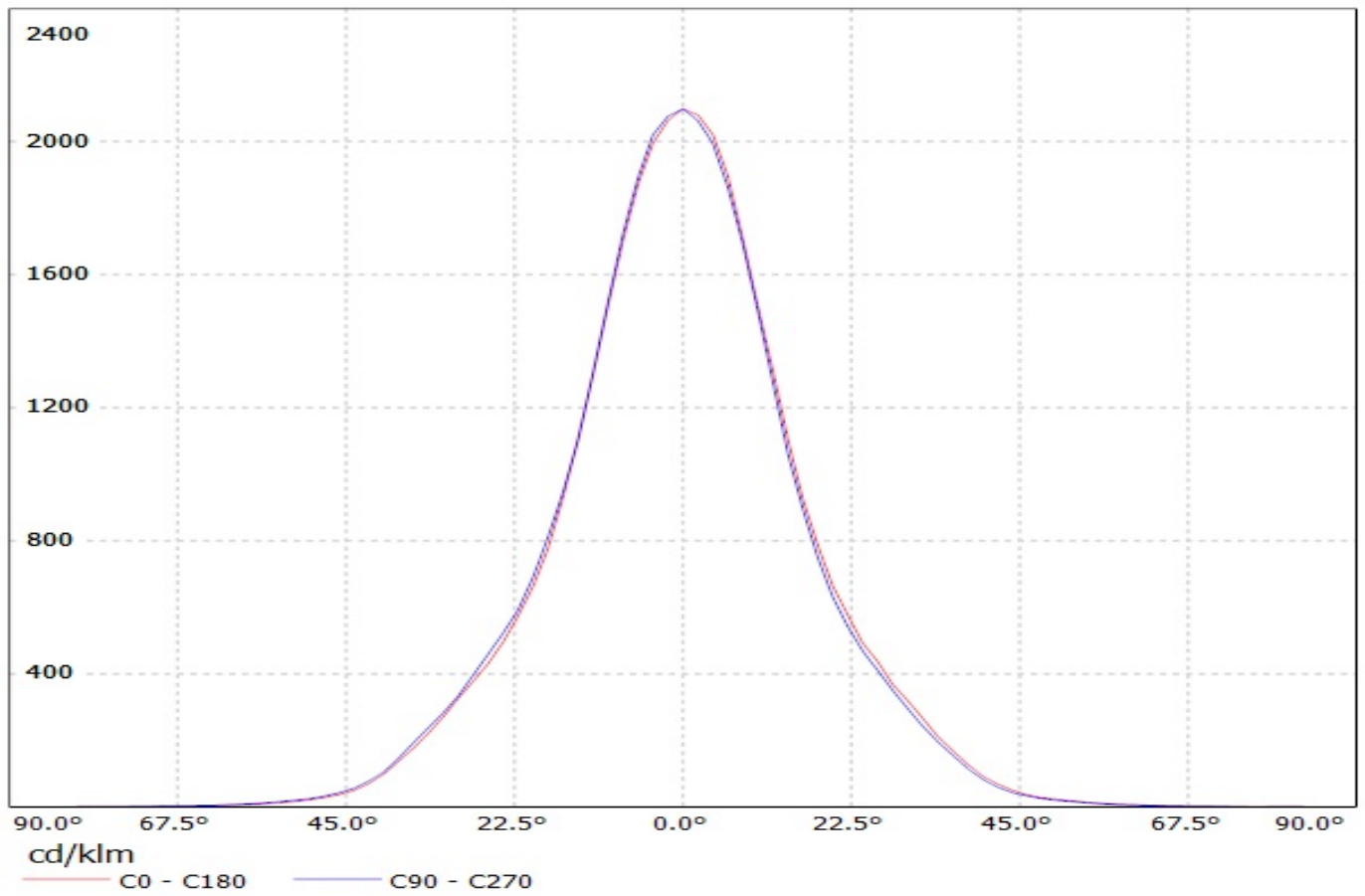
Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL (NSBxL066A 930lm @ 250mA) Efficiency=86%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



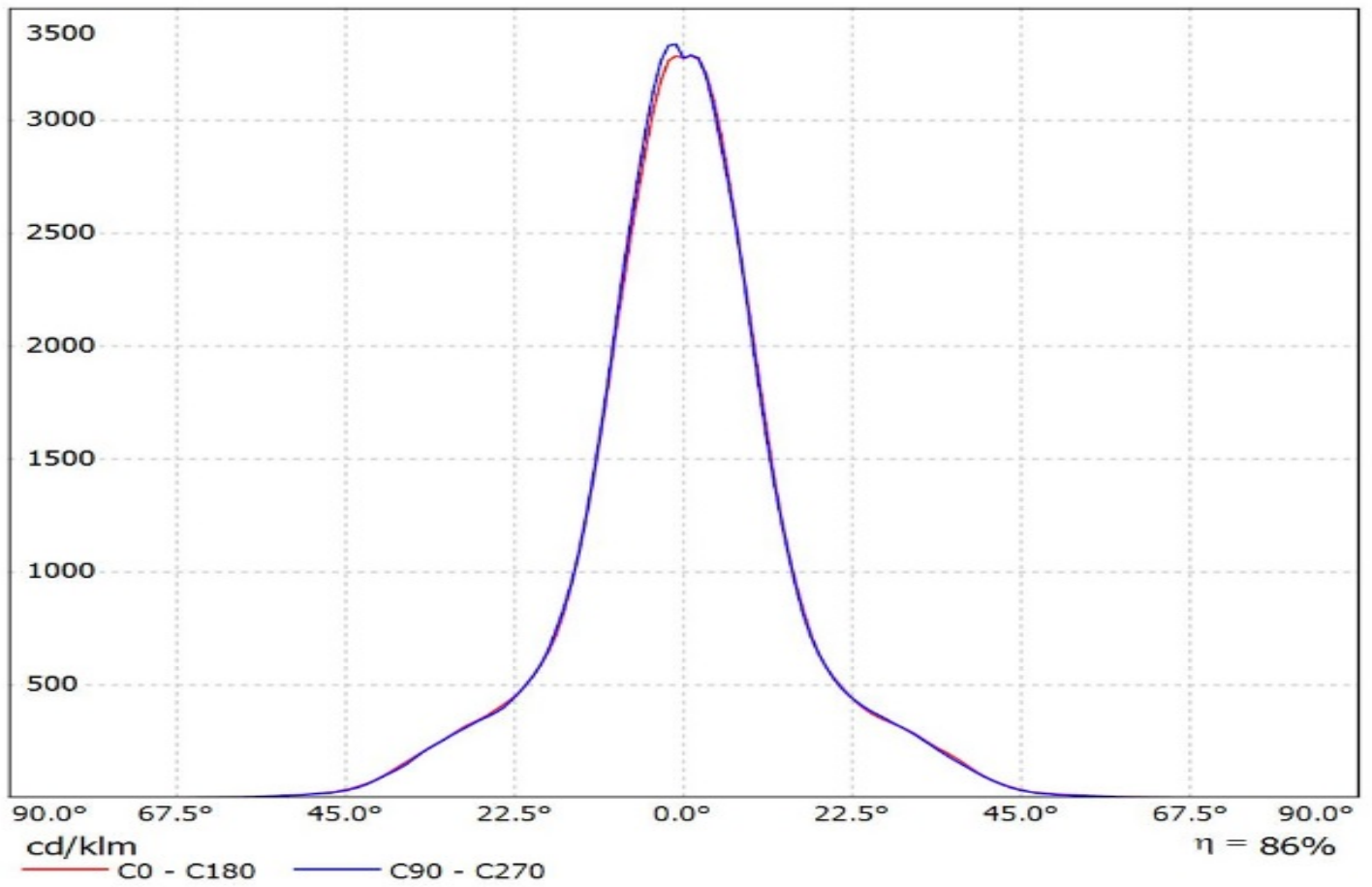
Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=84%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



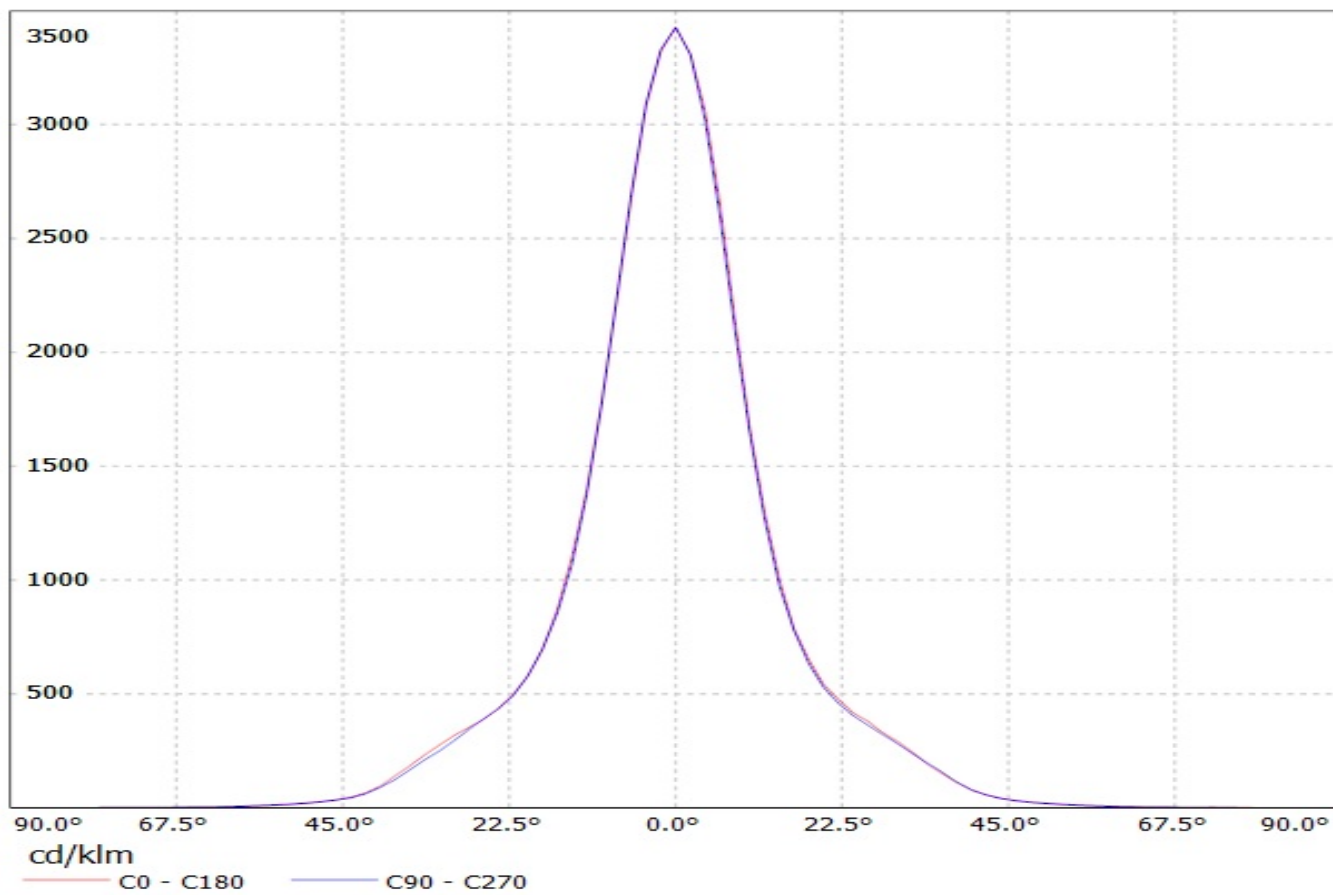
Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(Soleriq_S13) Efficiency=83%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



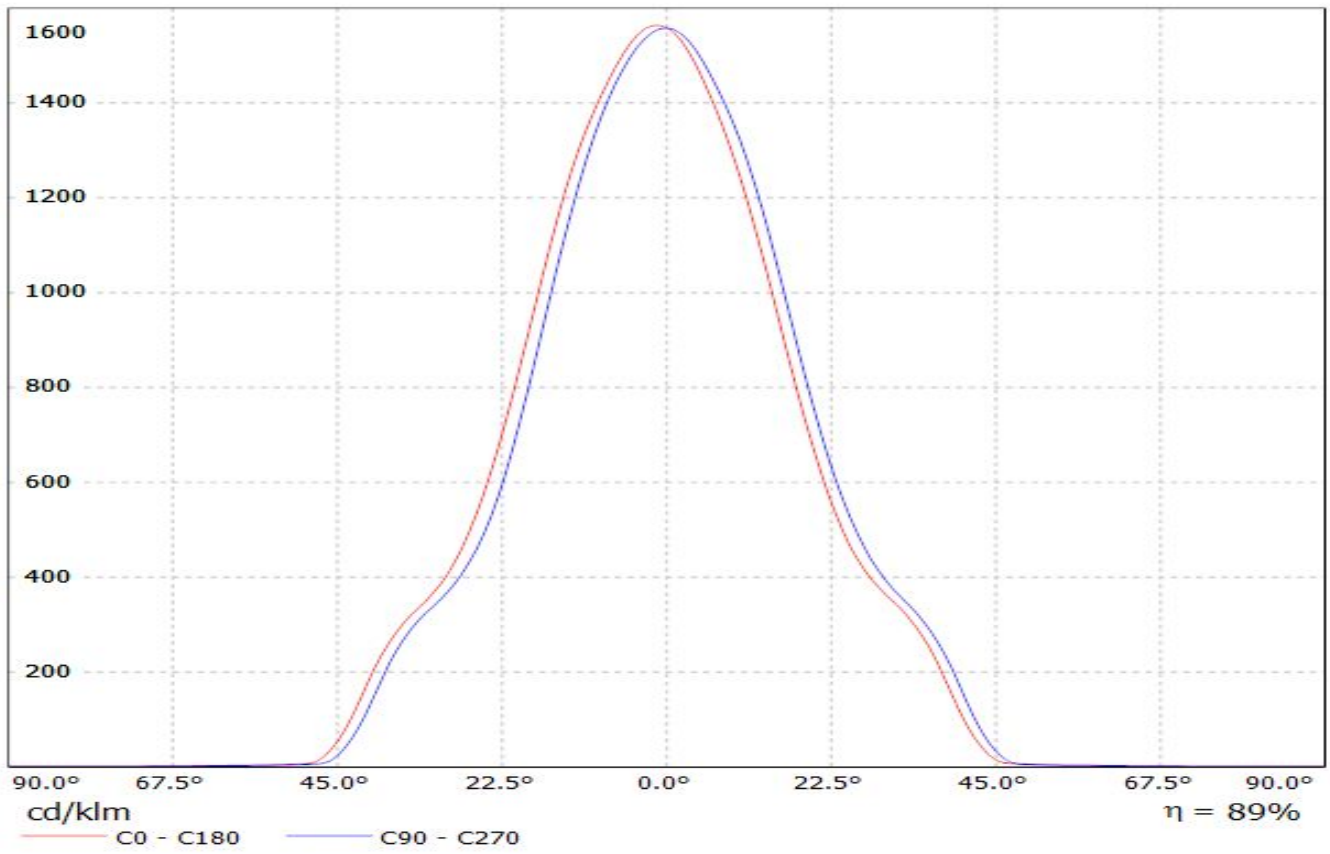
Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



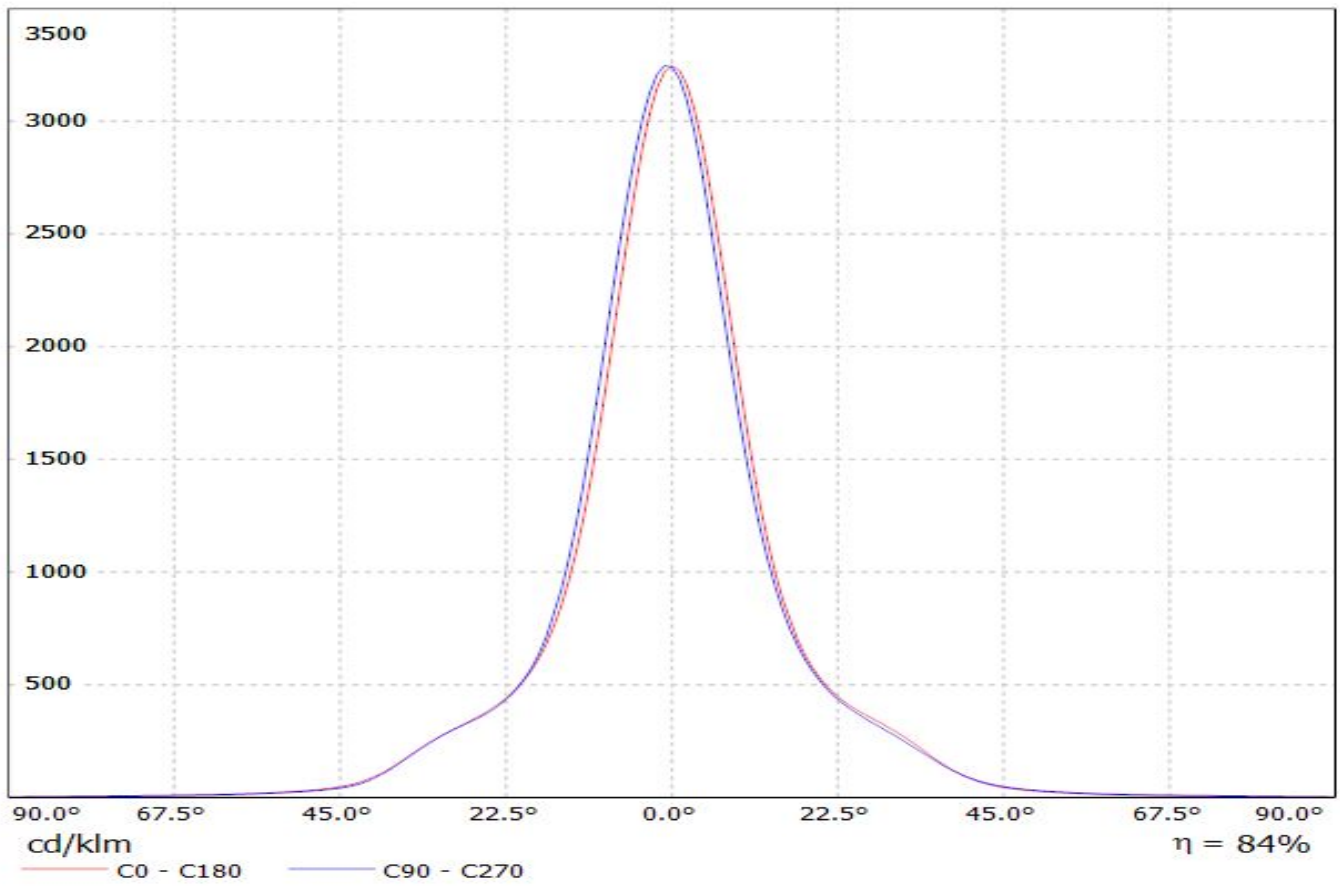
Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



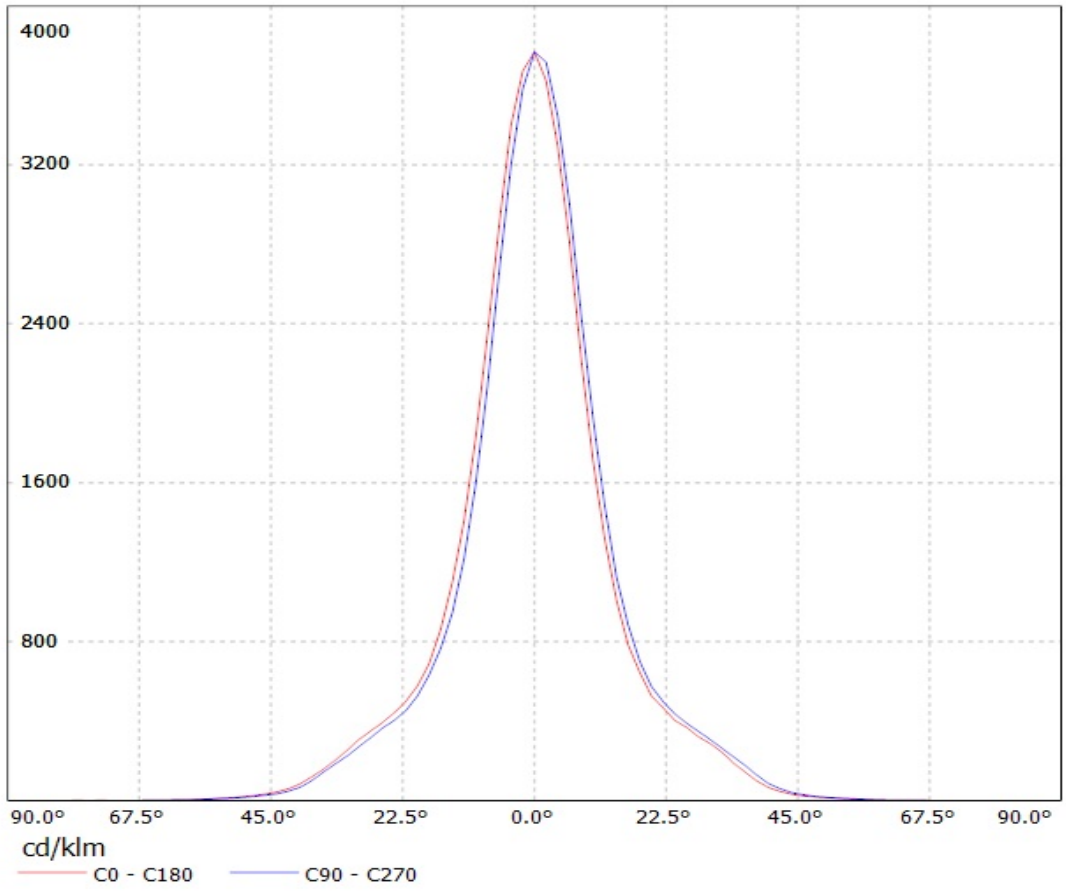
Luminaire: LEDIL OY C12478_MIRELLA-50-W_(MiniZenigata) Eff.88.9%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



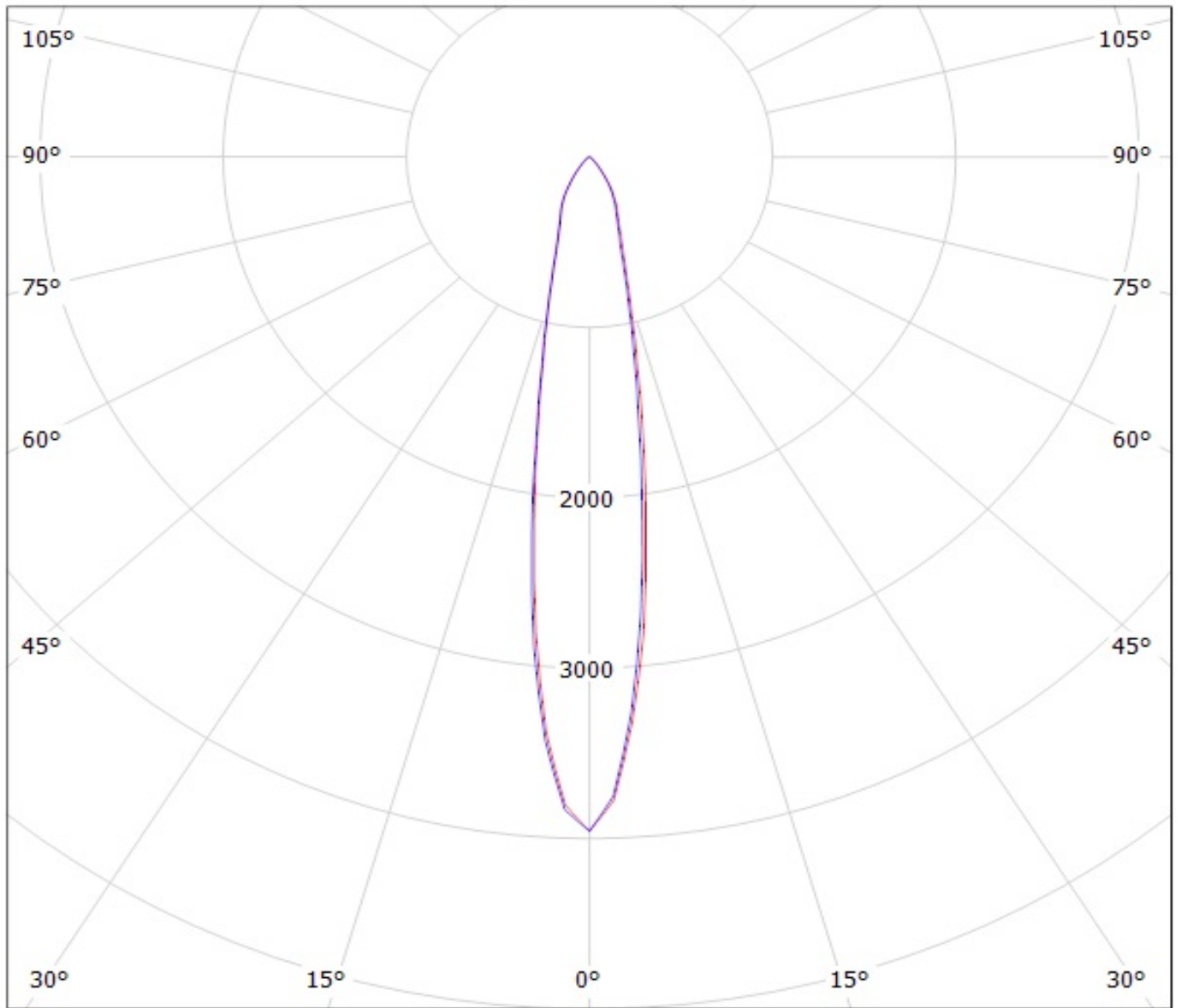
Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(Mini_Zenigata) Eff.84.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(Stark_SLE_G3_LES10) Efficiency=83%
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 CN12483_MIRELLA-50-S-DL (Bridgelux LS 170lm @ 250mA) Efficiency=83%
Lamps: 1 x Bridgelux LS 170lm @ 250mA

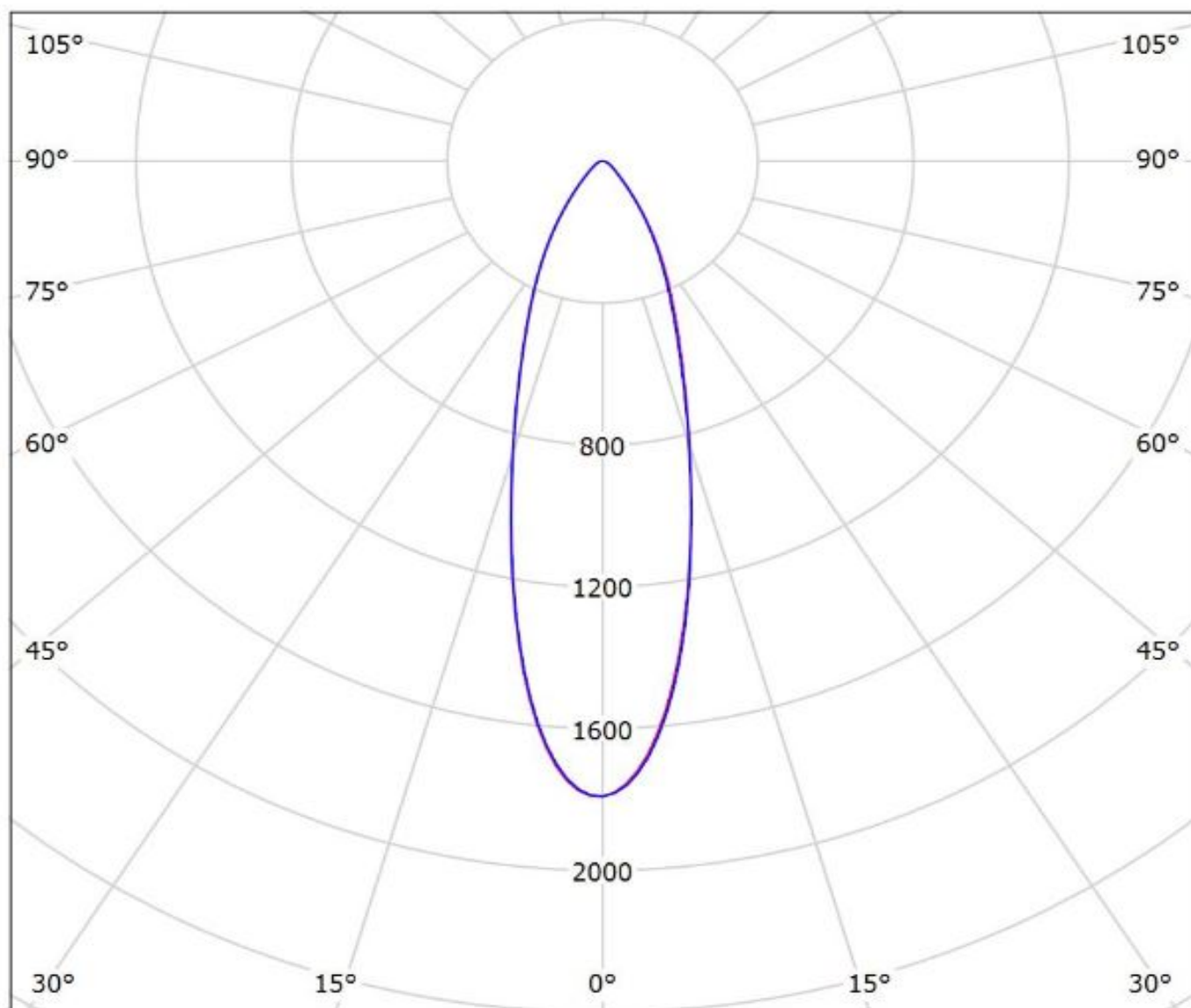


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



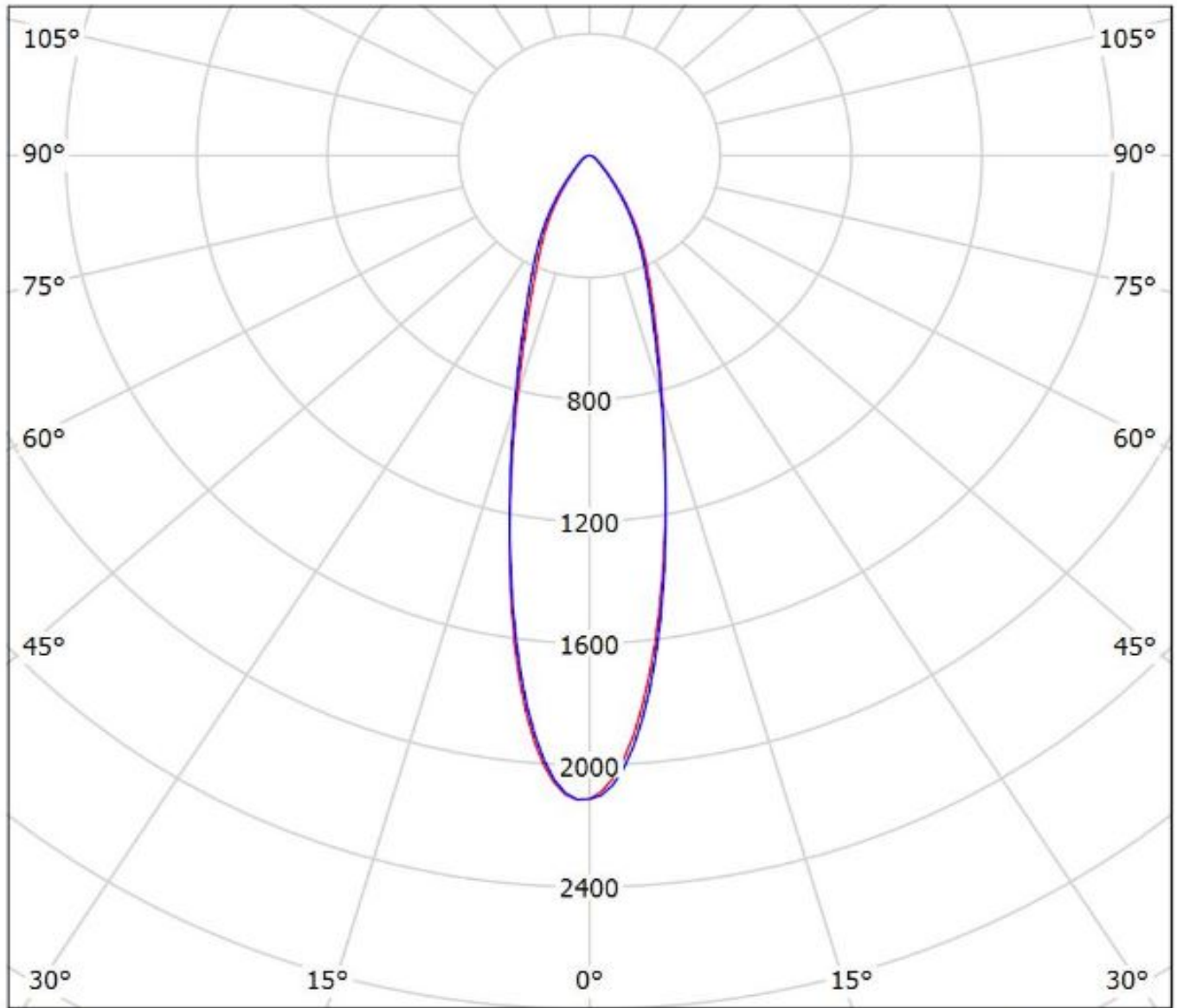
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(CLU710)

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



cd/klm

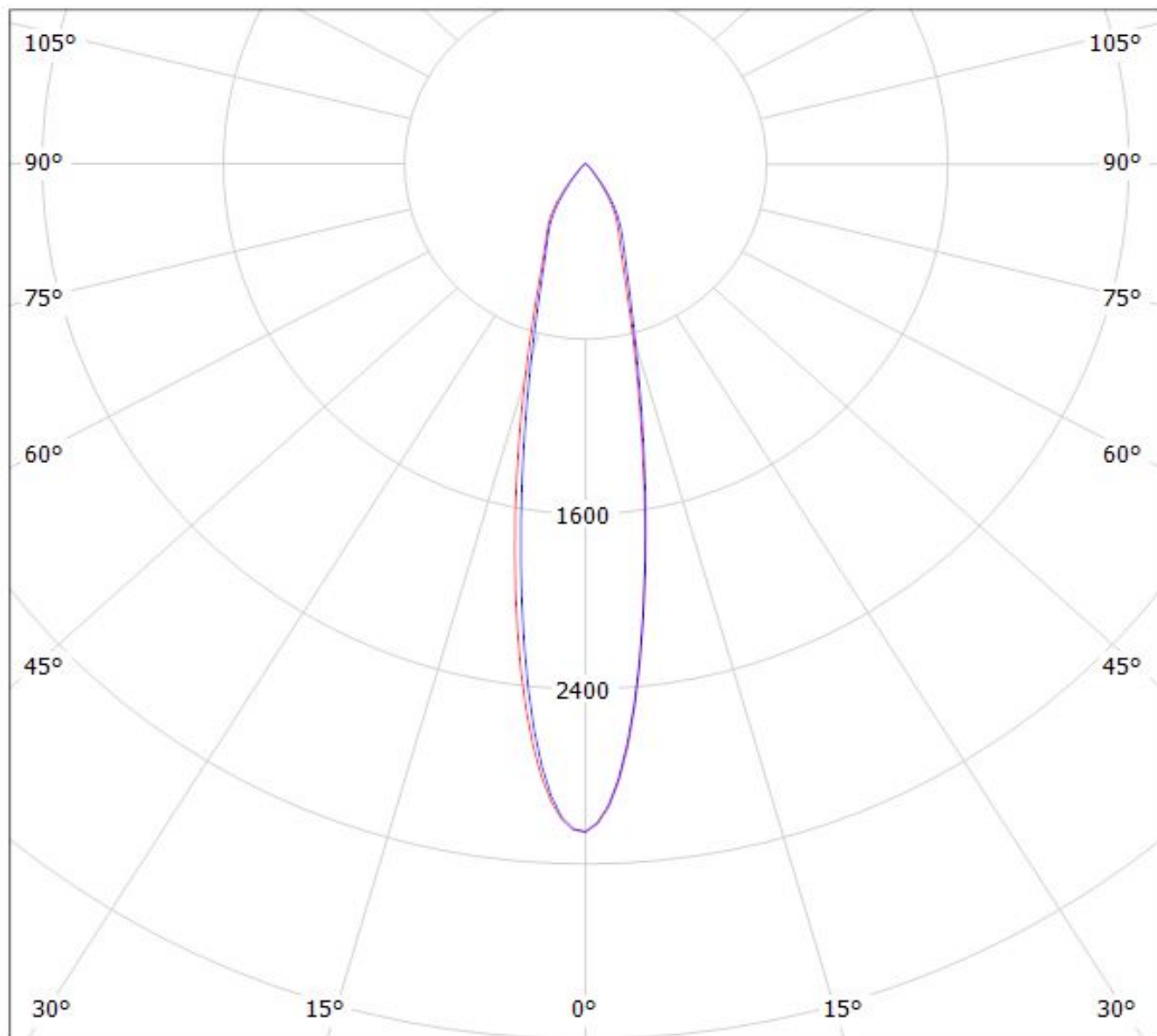
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CLU700)

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



cd/klm

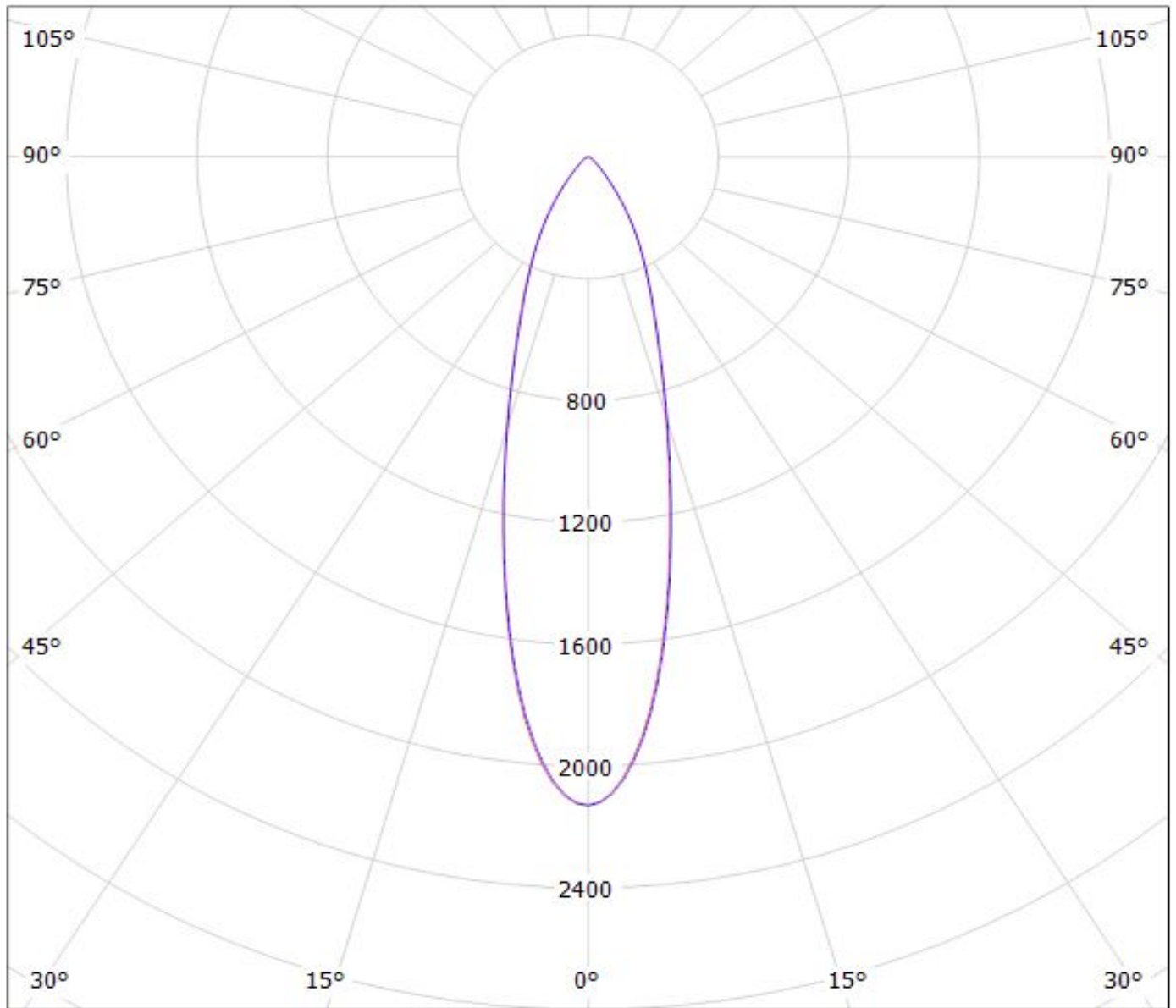
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: Ledil Oy

Lamps: 1 x CN12483_MIRELLA-50-S-DL_(CLL028)



cd/klm

— C0 - C180

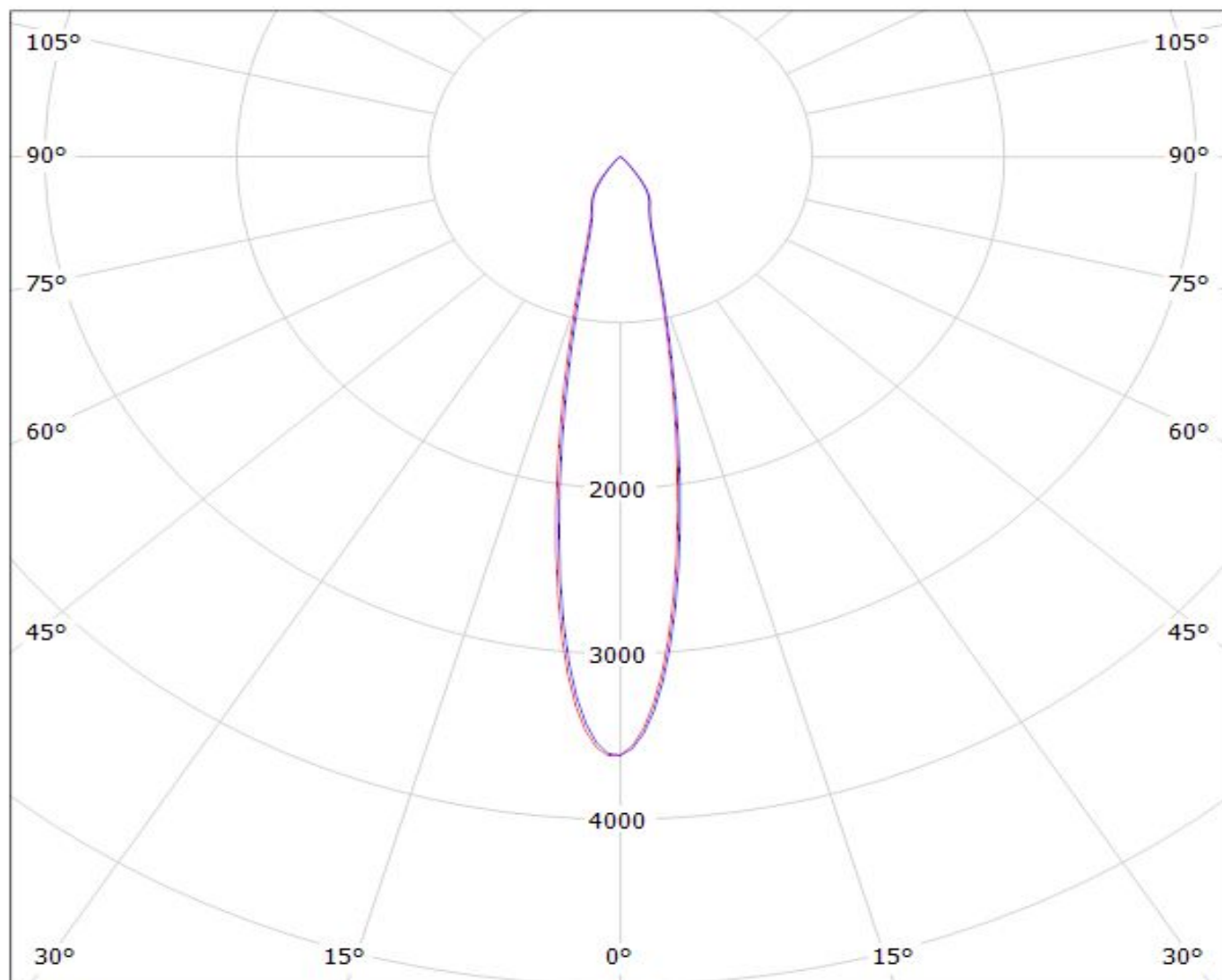
— C90 - C270

$\eta = 82\%$

LEDiL Oy CN12483_MIRELLA-50-S-DL_(MT-G2) Eff.85.4% / LDC (Polar)

Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(MT-G2) Eff.85.4%

Lamps: 1 x MT-G2 (171lm@250mA)



cd/klm

— C0 - C180

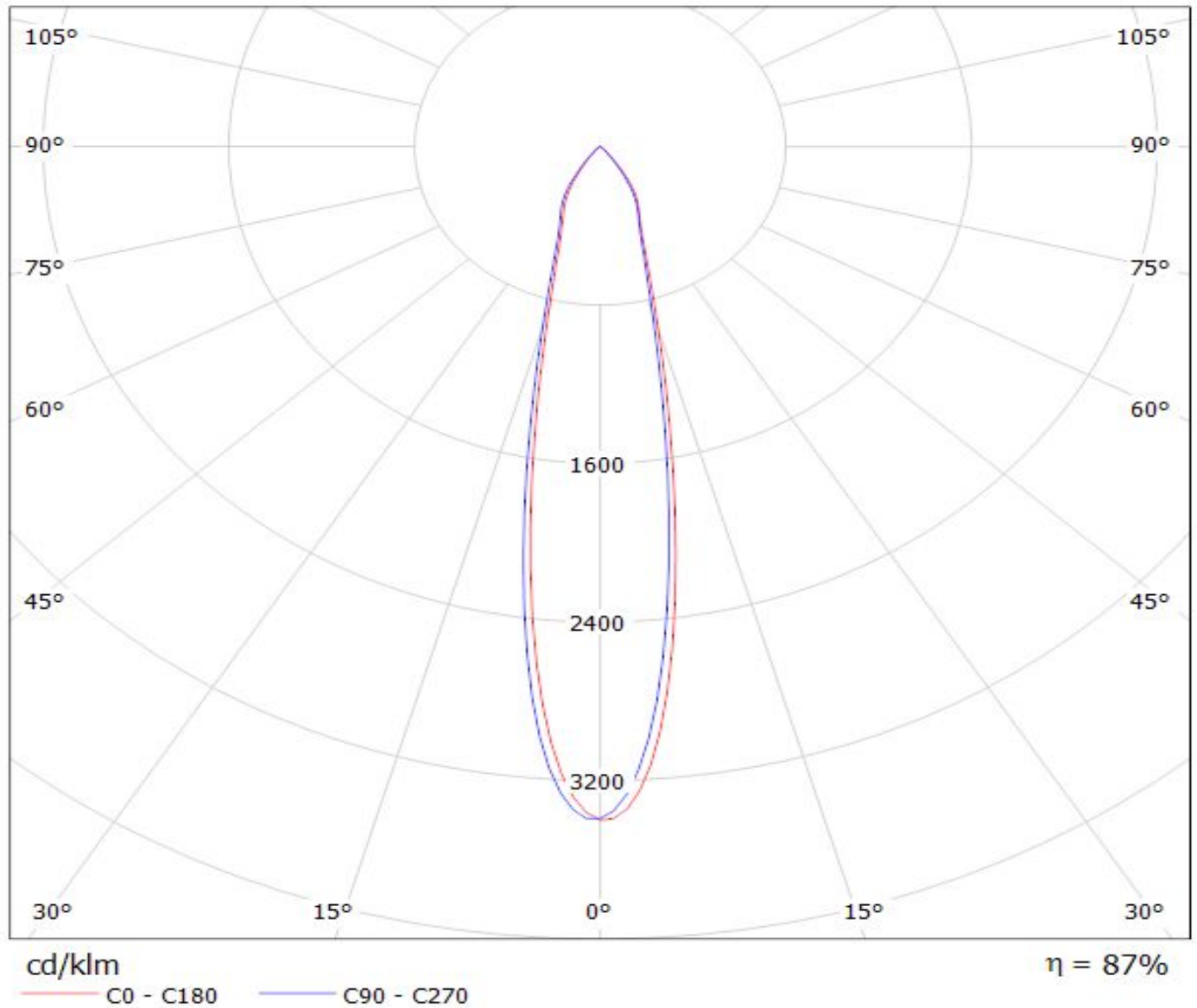
— C90 - C270

$\eta = 85\%$

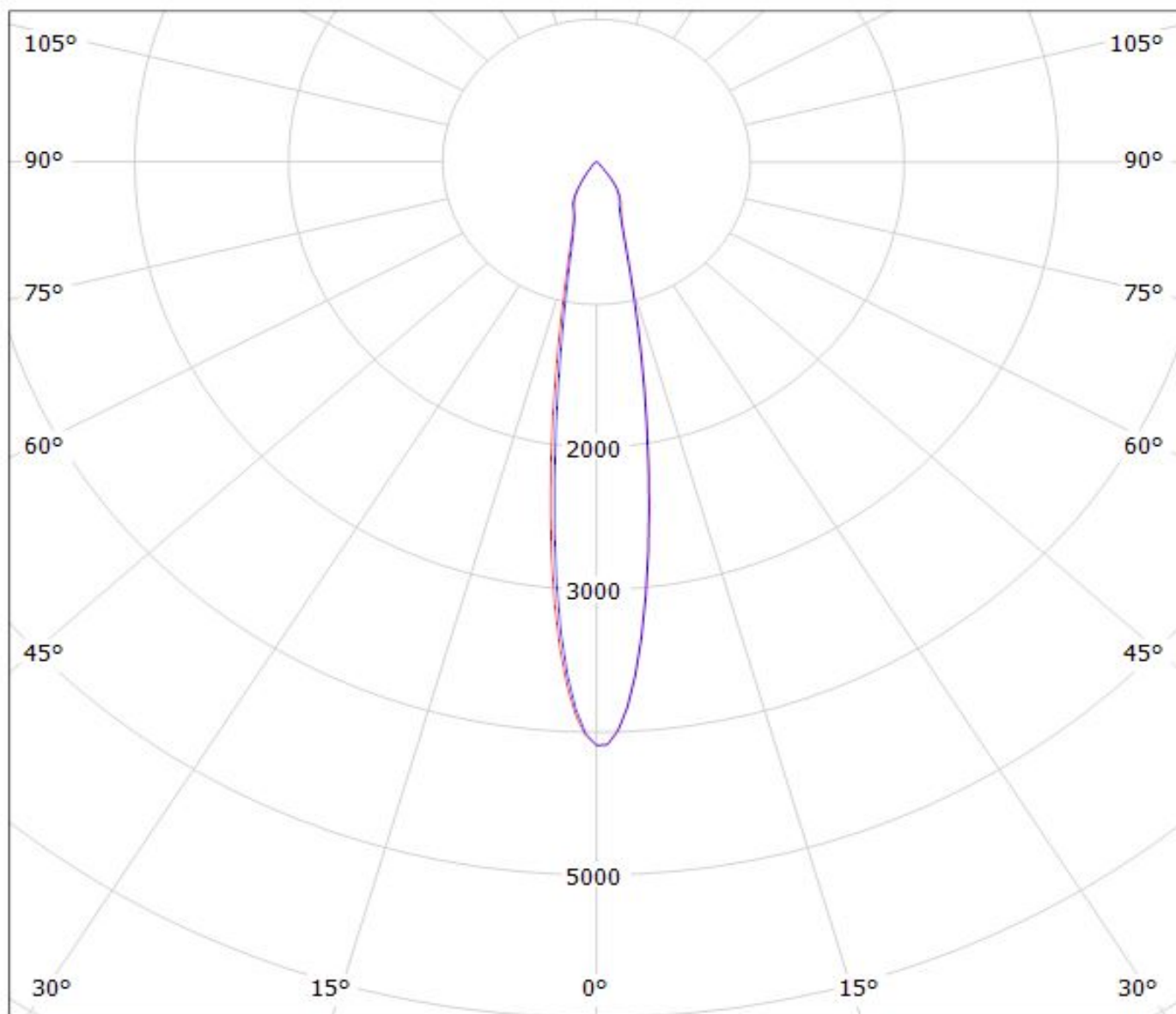
LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXA1507) Eff.86.9% / LDC (Polar)

Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXA1507) Eff.86.9%

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



Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_195.126lm@250mA_P=1.39922W_I=0.2499A



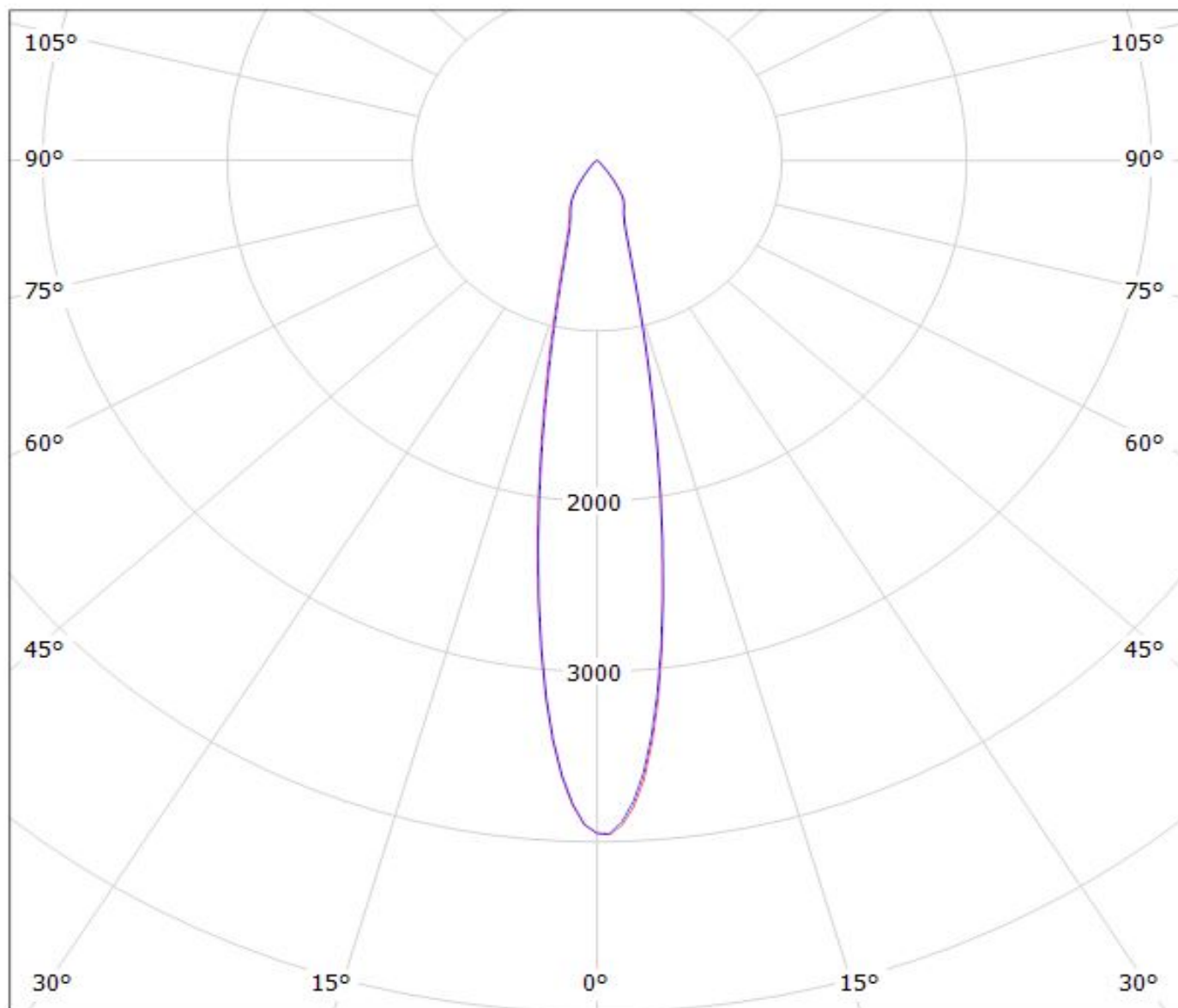
cd/klm

— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A

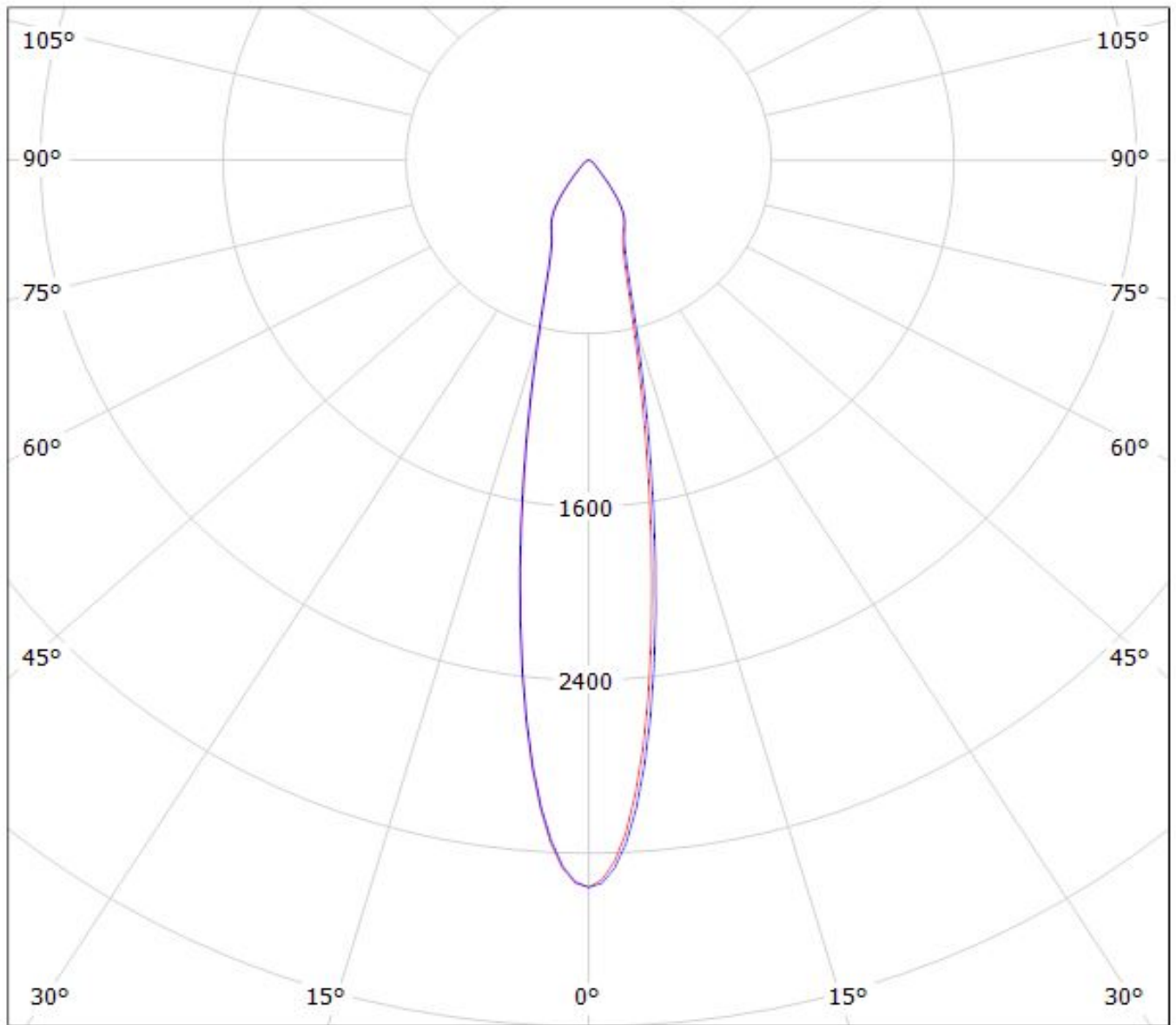


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil CN12483_MIRELLA-50-S-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



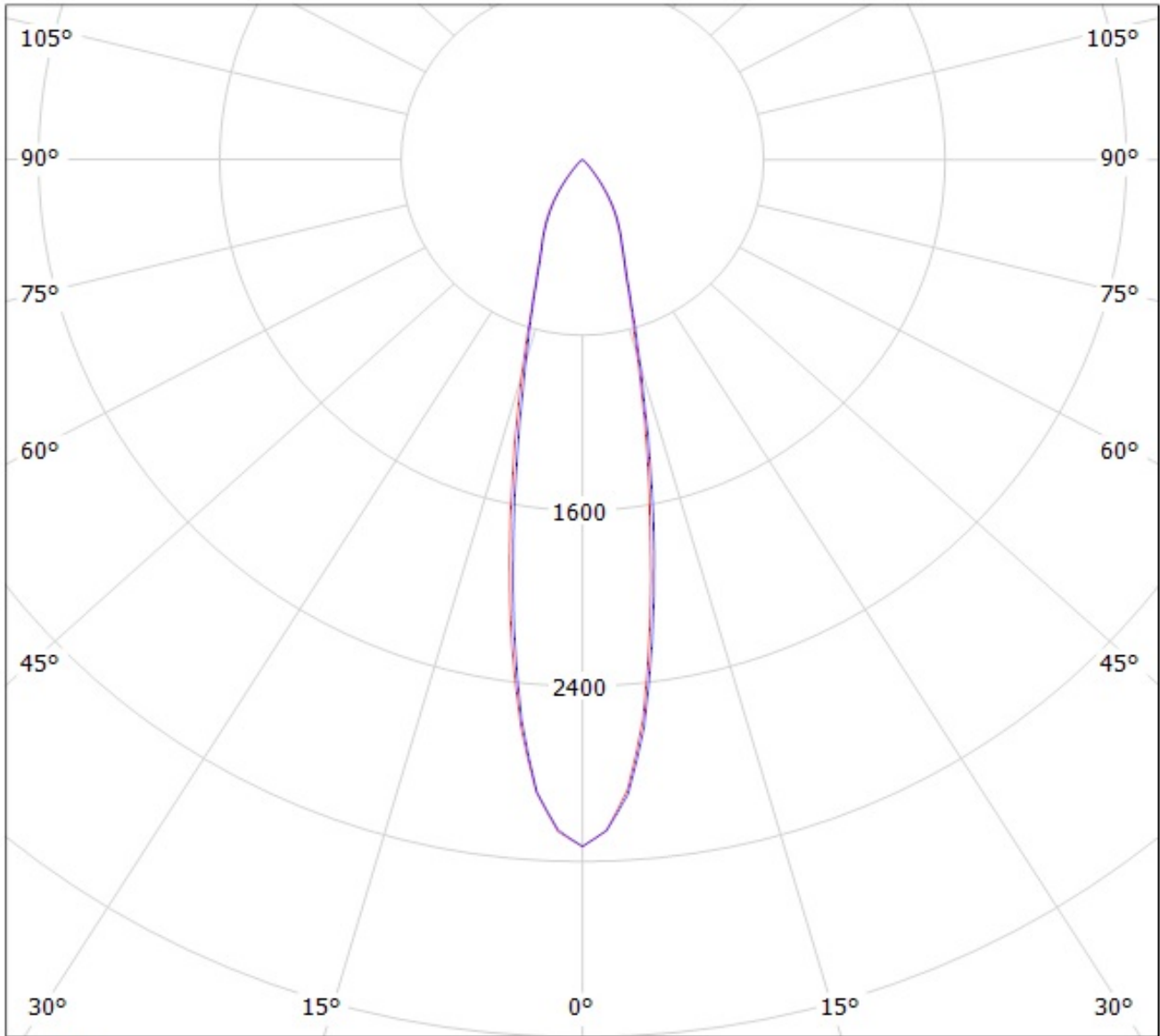
cd/klm

$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL_(Luxeon_CoB_1203) Efficiency= 85%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I= 250mA



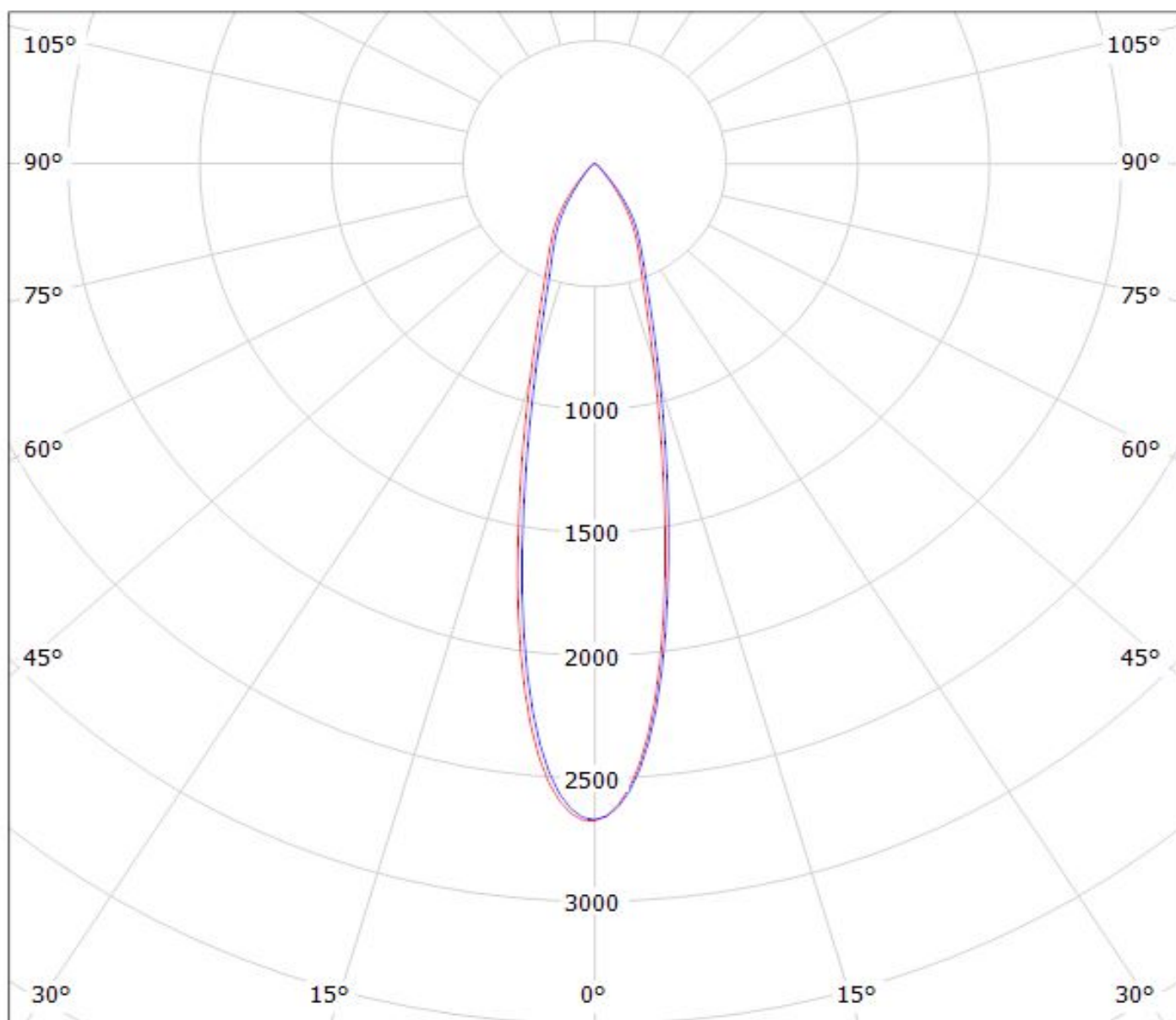
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(CXM-9)

Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.083lm@240mA_P=8.27544W_I=240mA



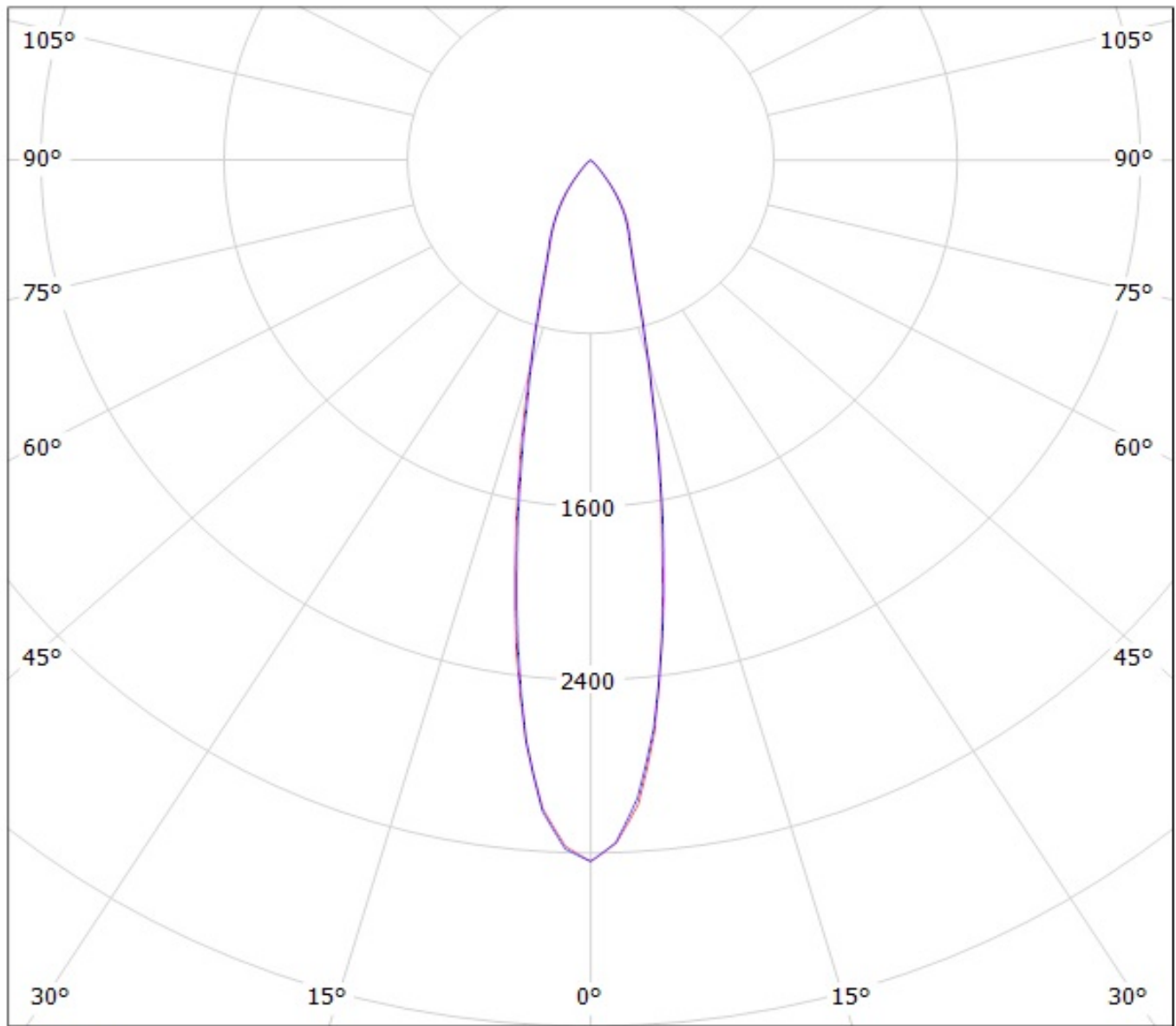
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL (NSBxL066A 930lm @ 250mA) Efficiency=86%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBL066AE) CCT=3536K P=7,75W I=250mA

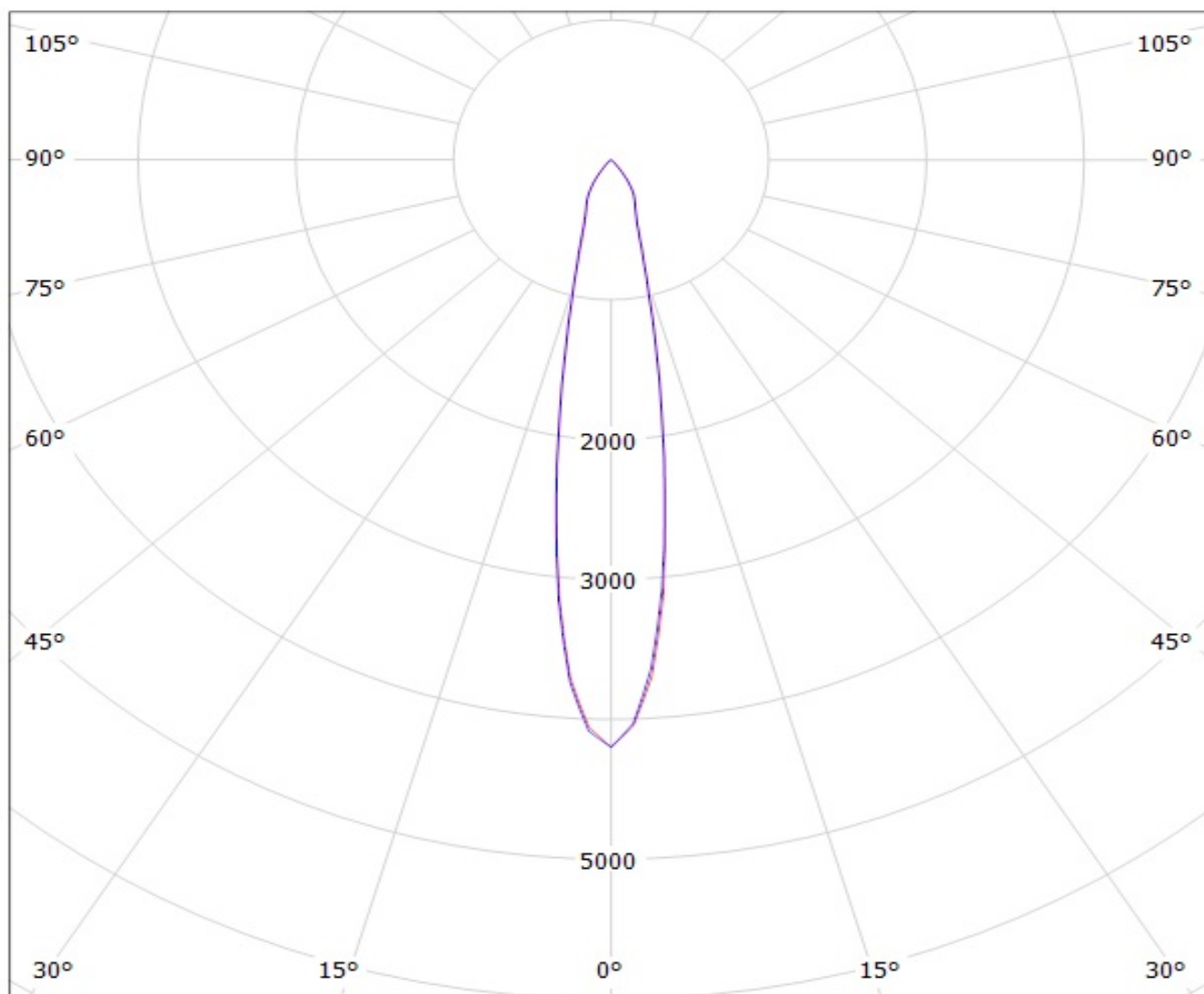


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=84%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

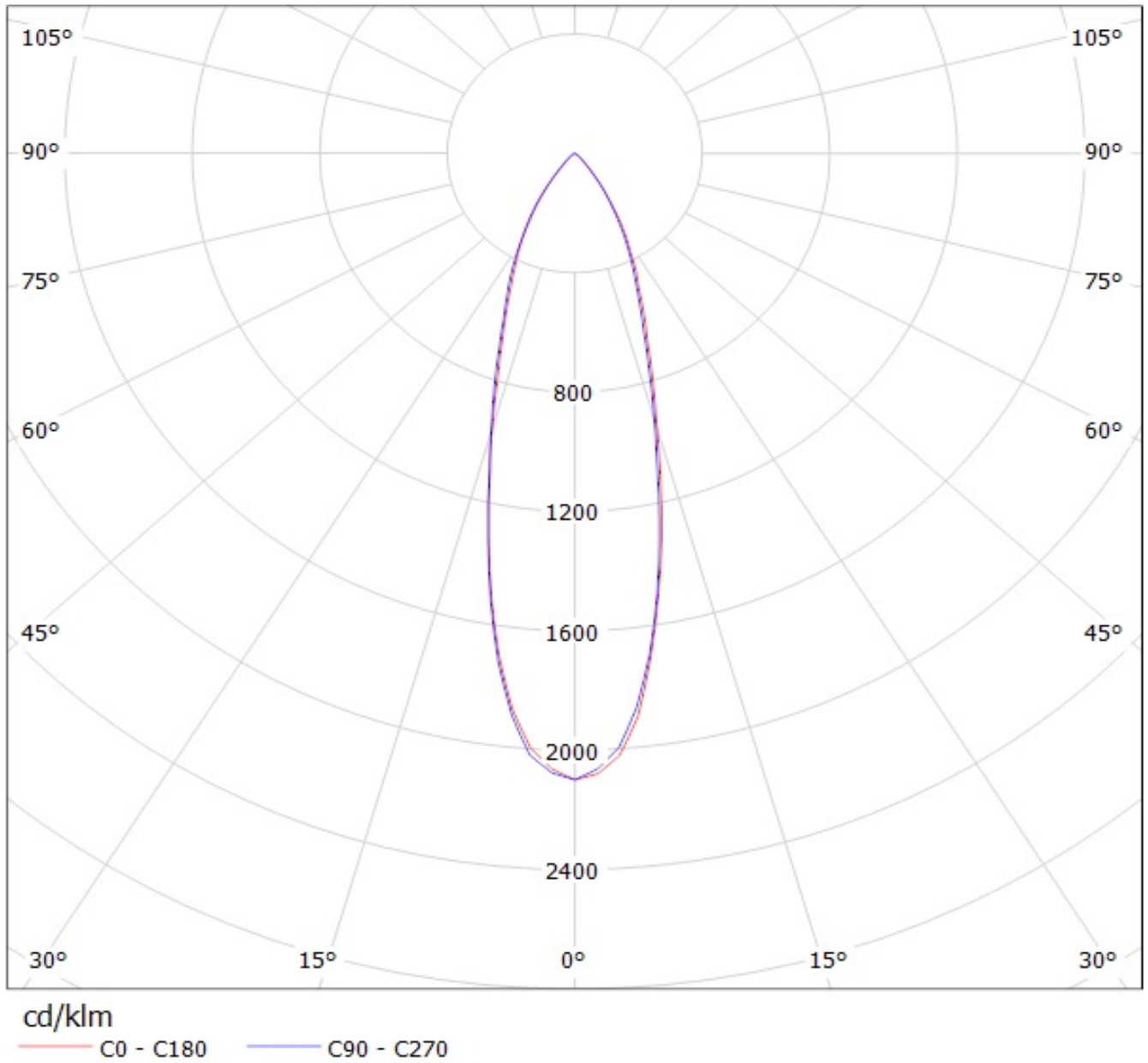


cd/klm

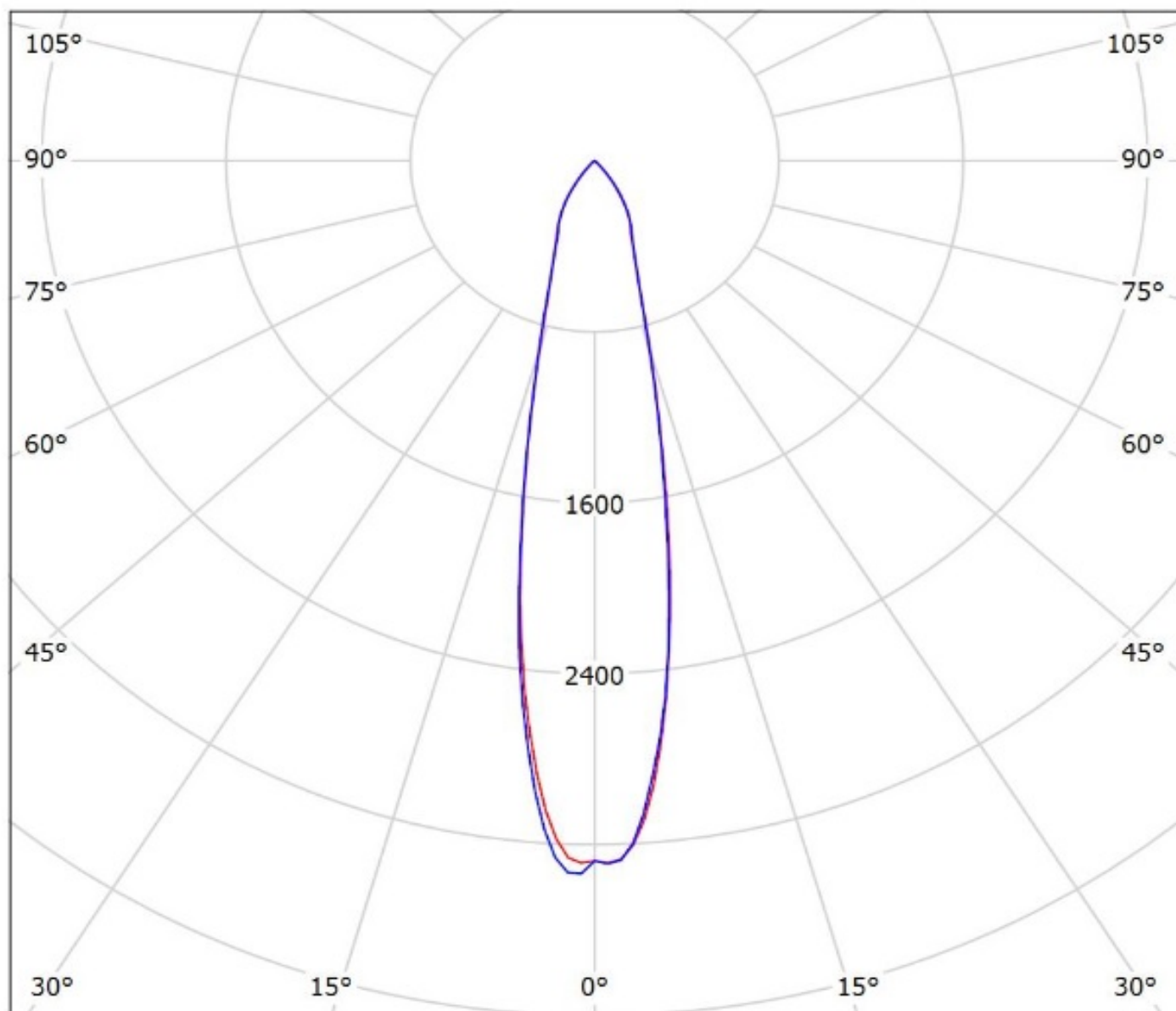
— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(Soleriq_S13) Efficiency=83%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



Luminaire: Ledil Oy CN12483_MIRELLA-50-S-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

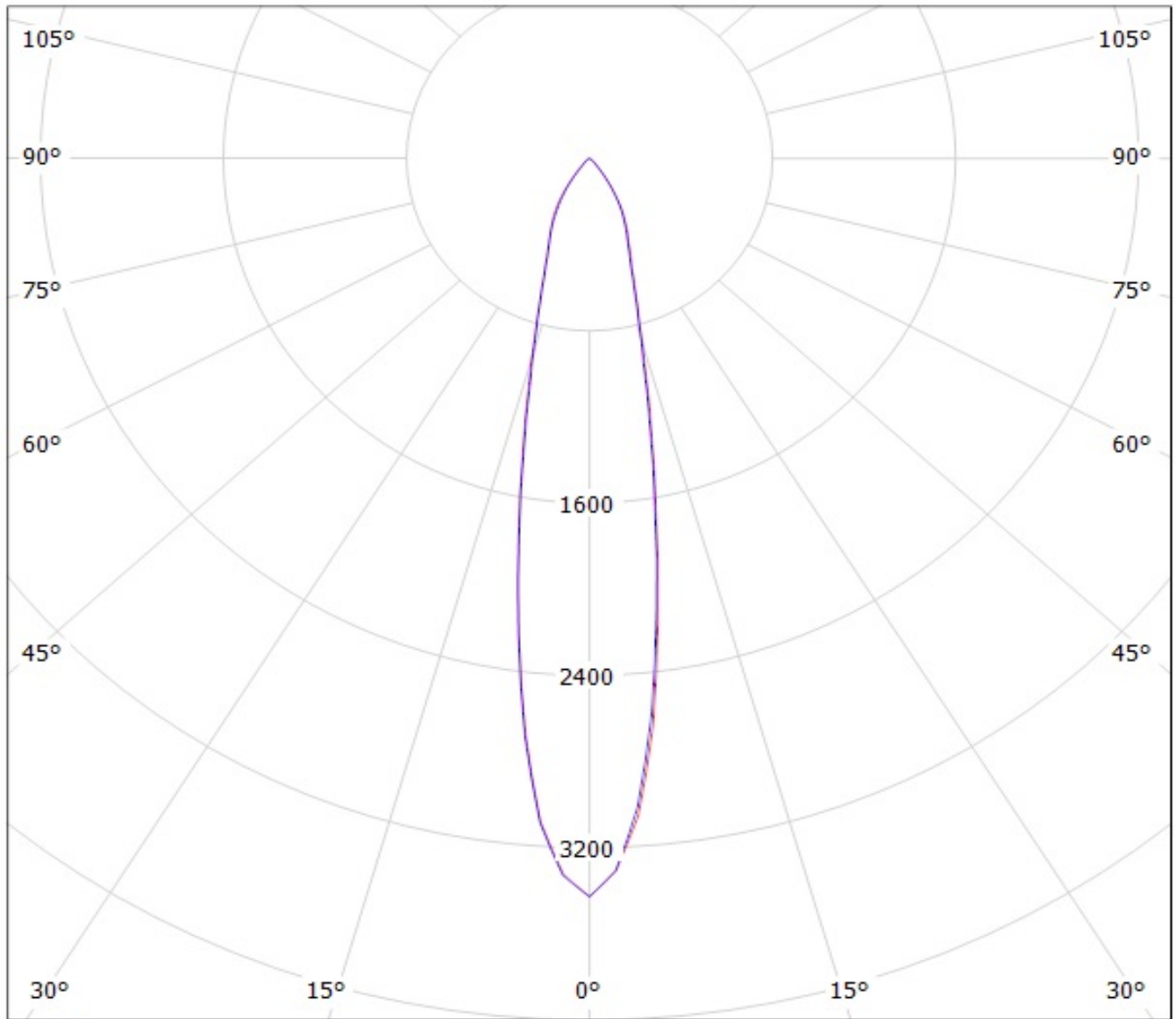


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA

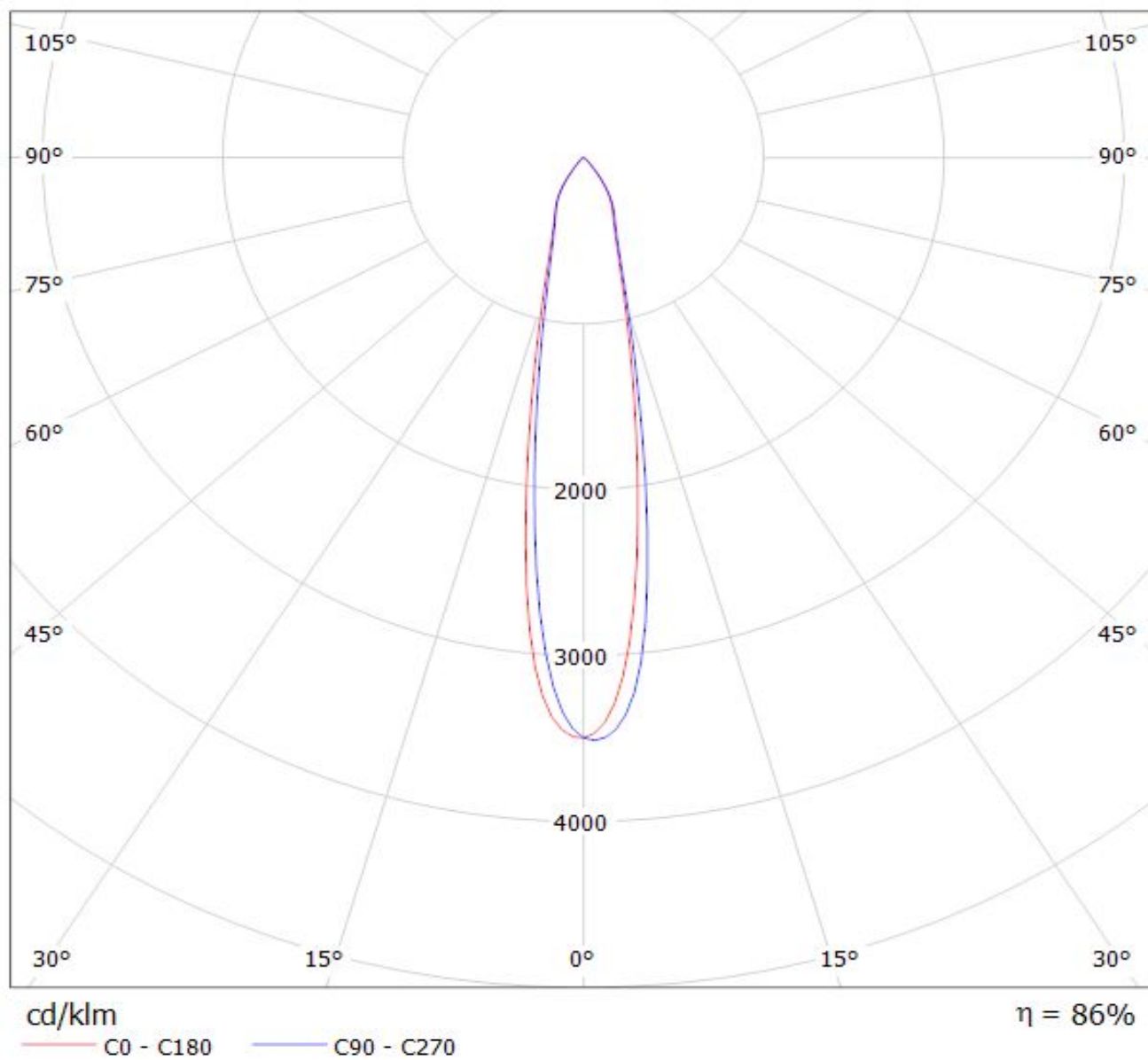


cd/klm

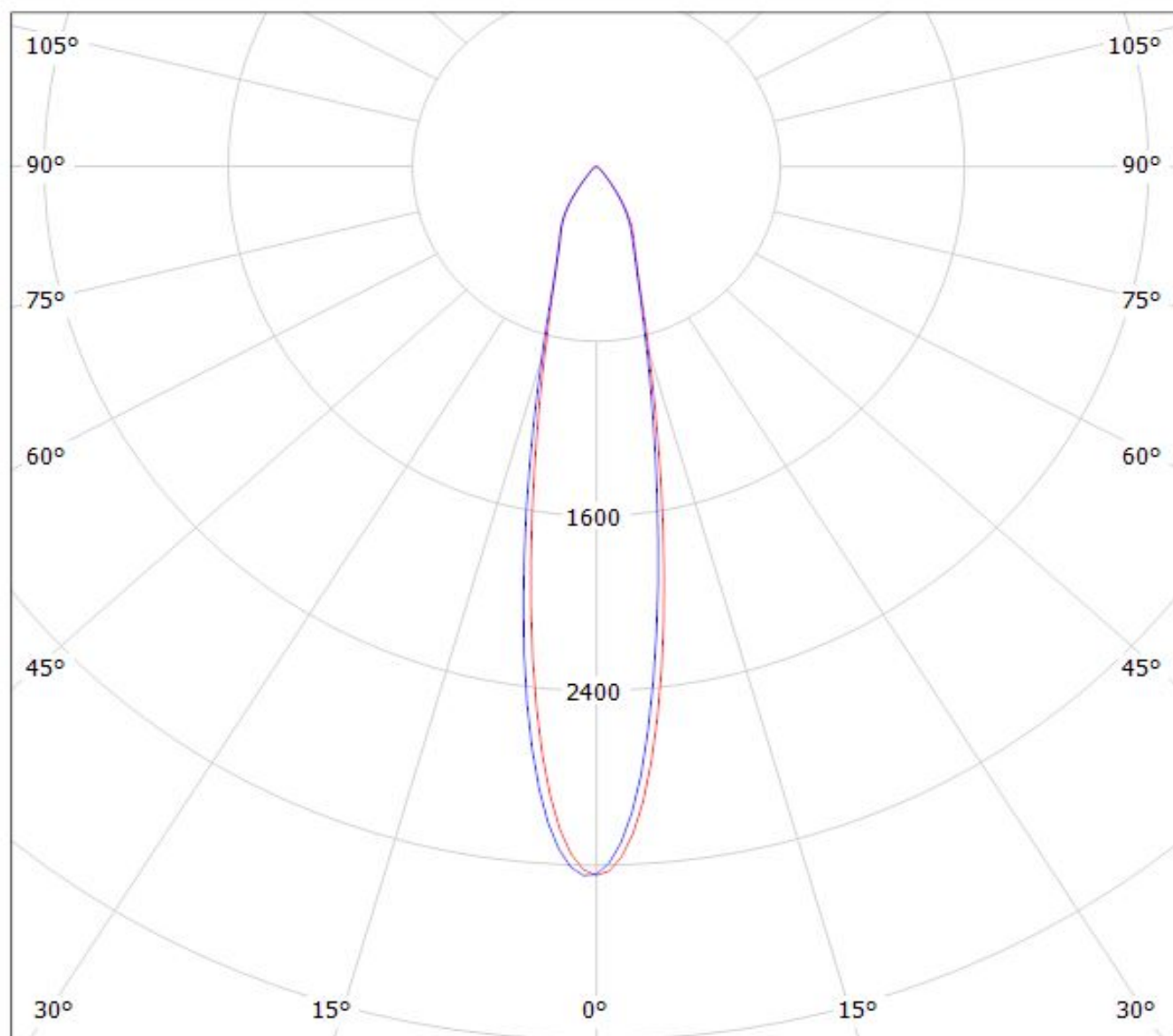
— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CN12483_MIRELLA-50-S-DL_(MiniZenigata) Eff.86.1%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



Luminaire: LEDiL Oy CN12483_MIRELLA-50-S-DL_(Mini_Zenigata) Eff.84.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



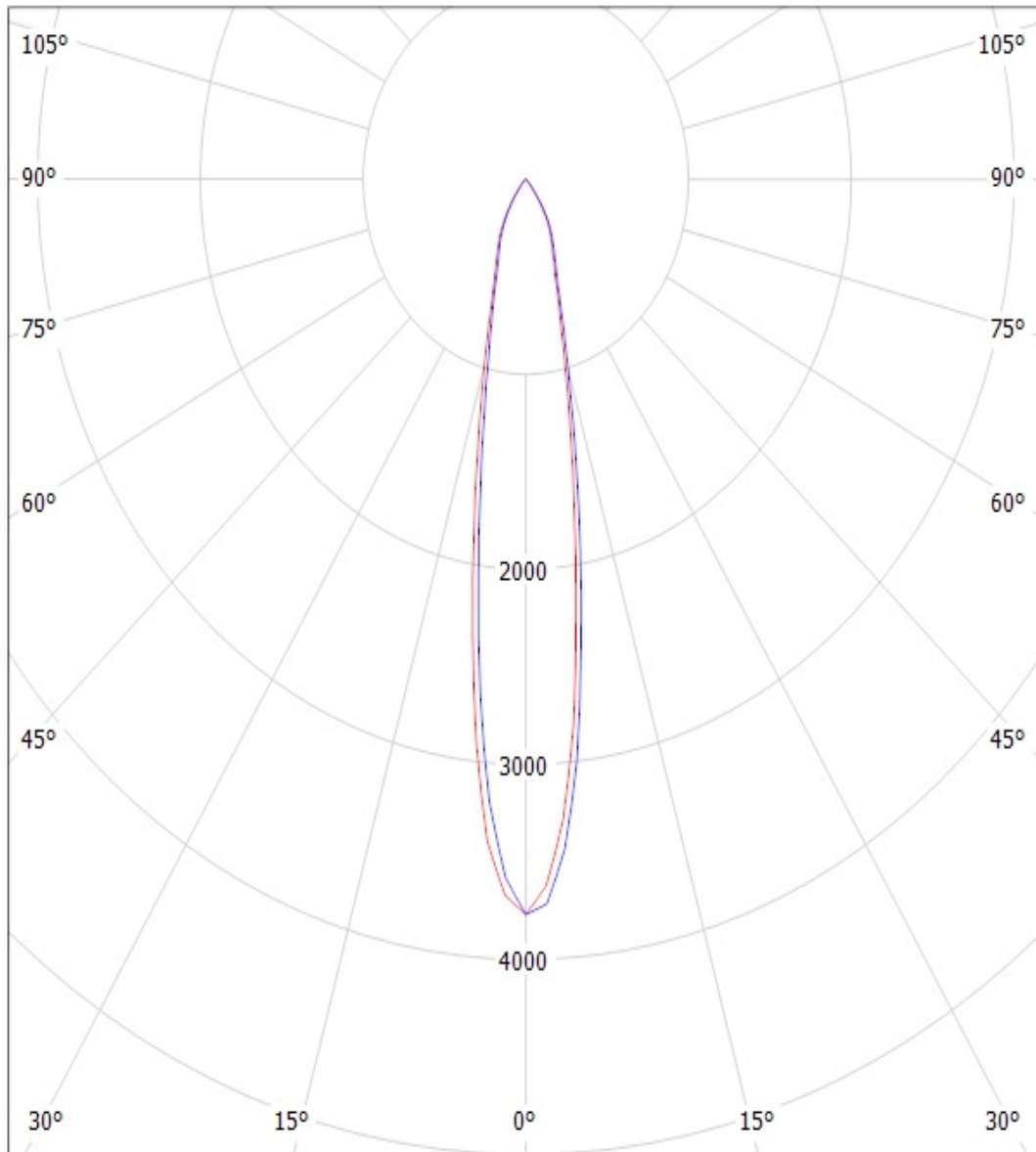
cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CN12483_MIRELLA-50-S-DL_(Stark_SLE_G3_LES10) Efficiency=83%

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.