

DETAILS

Product Number	CN12485_MIRELLA-50-W-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	3/10/2012

OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
BXRA LS	43 deg	Wide	82 %	1.300	-
CLL01x	50 deg	Wide	-	-	-
CLL02x/CLU02x (LES10)	48 deg	Wide	82 %	-	-
CLU720/721	53 deg	Wide	79 %	0.890	-
CLU710/711	50 deg	Wide	79 %	0.960	-
CLU700/701	47 deg	Wide	82 %	1.100	-
CLL02x/CLU02x (LES10)	50 deg	Wide	83 %	1.090	-
MT-G2	52 deg	Wide	83 %	1.100	-
CXA/B 15xx	50 deg	Wide	87 %	1.100	-
CXA/B 13xx	43 deg	Wide	81 %	1.400	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	52 deg	Wide	82 %	1.200	-
XHP50	48 deg	Wide	85 %	1.100	-
XHP70	54 deg	Wide	84 %	1.000	-
MHD-E/G	52 deg	Wide	87 %	1.000	-
COB 4W	44 deg	Wide	83 %	1.300	-
LUXEON S1000	41 deg	Wide	-	-	-
LUXEON CoB 1202/1203	50 deg	Wide	84 %	1.200	-
CXM-9	49 deg	Wide	83 %	1.100	-
COB L-Type (LES 9)	48 deg	Wide	83 %	1.200	-
NSCxL036A	46 deg	Wide	83 %	1.300	-
Soleriq S13	57 deg	Wide	81 %	1.000	-
Duris S10	49 deg	Wide	79 %	1.100	-
Soleriq S9	sim: 51	Wide	sim: 85 %	sim: 1.100	-
ZC4/6	48 deg	Wide	81 %	1.200	-
Mini Zenigata (GW5BM)	45 deg	Wide	84 %	1.260	-





PRODUCT DATASHEET

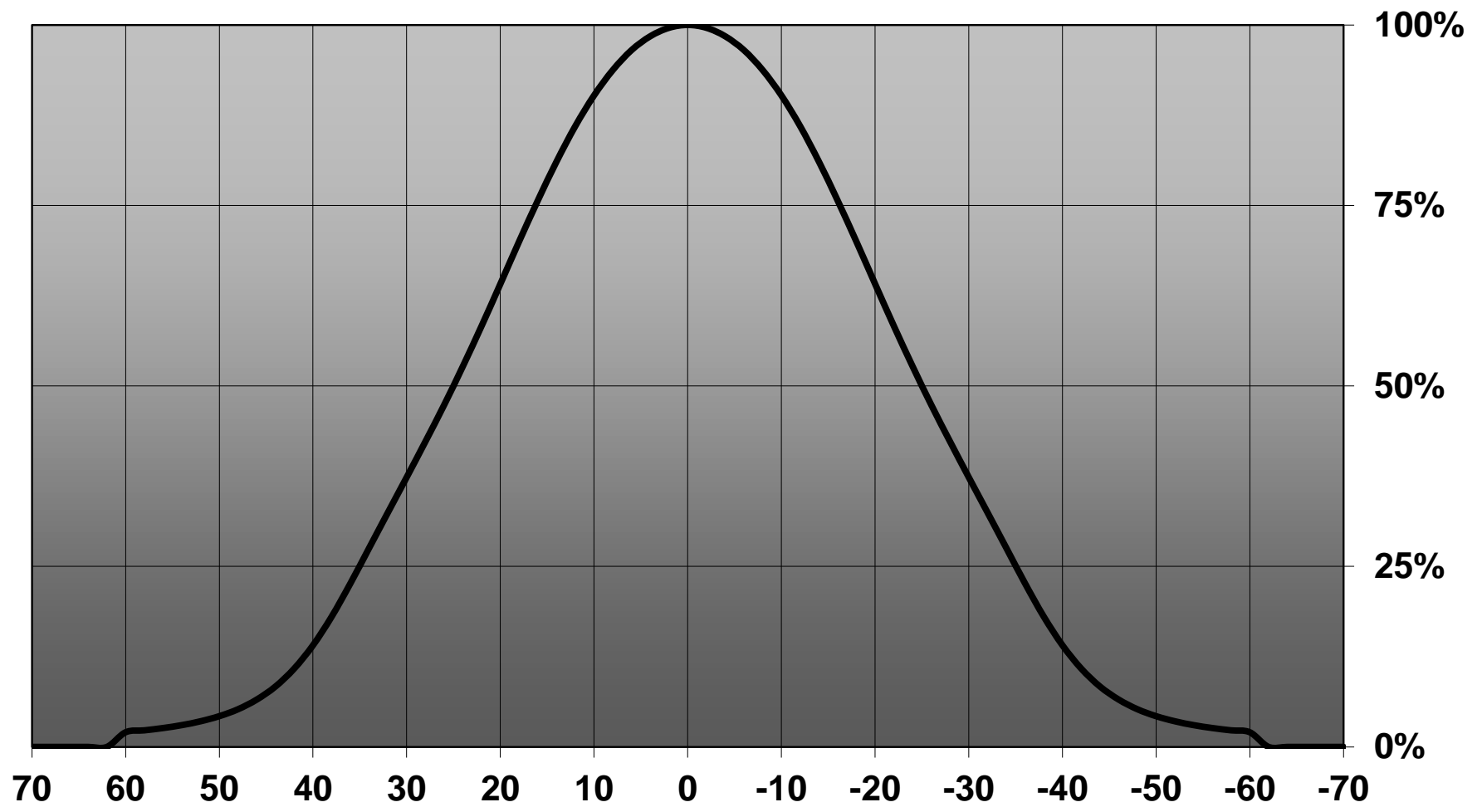
Mirella series

last update 3/10/2012

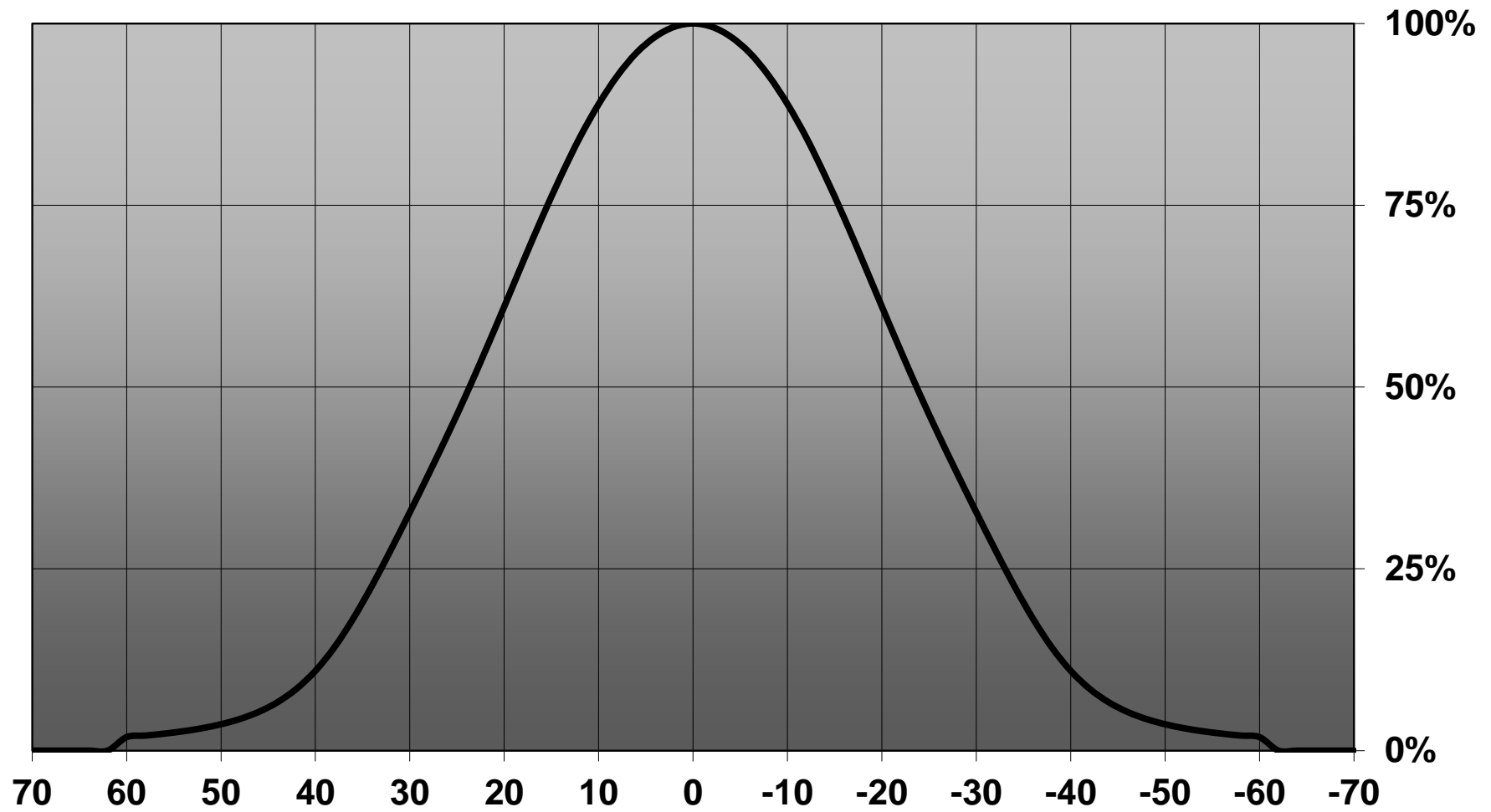
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
Mini Zenigata (GW6BM)	45 deg	Wide	81 %	1.100	-
STARK SLE PURE G3 LES10	44 deg	Wide	82 %	1.400	-

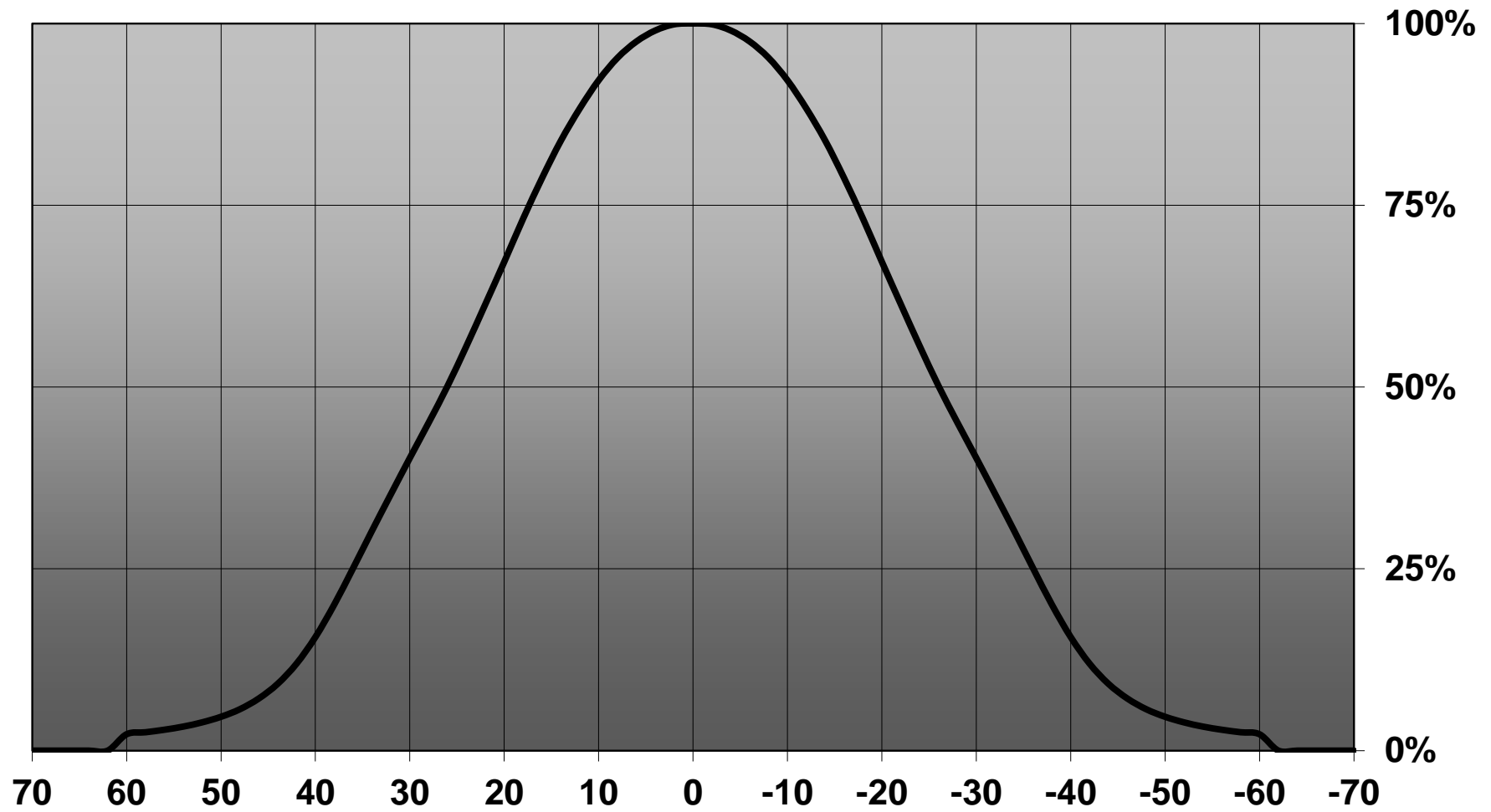
Relative intensity of CN12485_MIRELLA-50-W-DL_(CLL010)



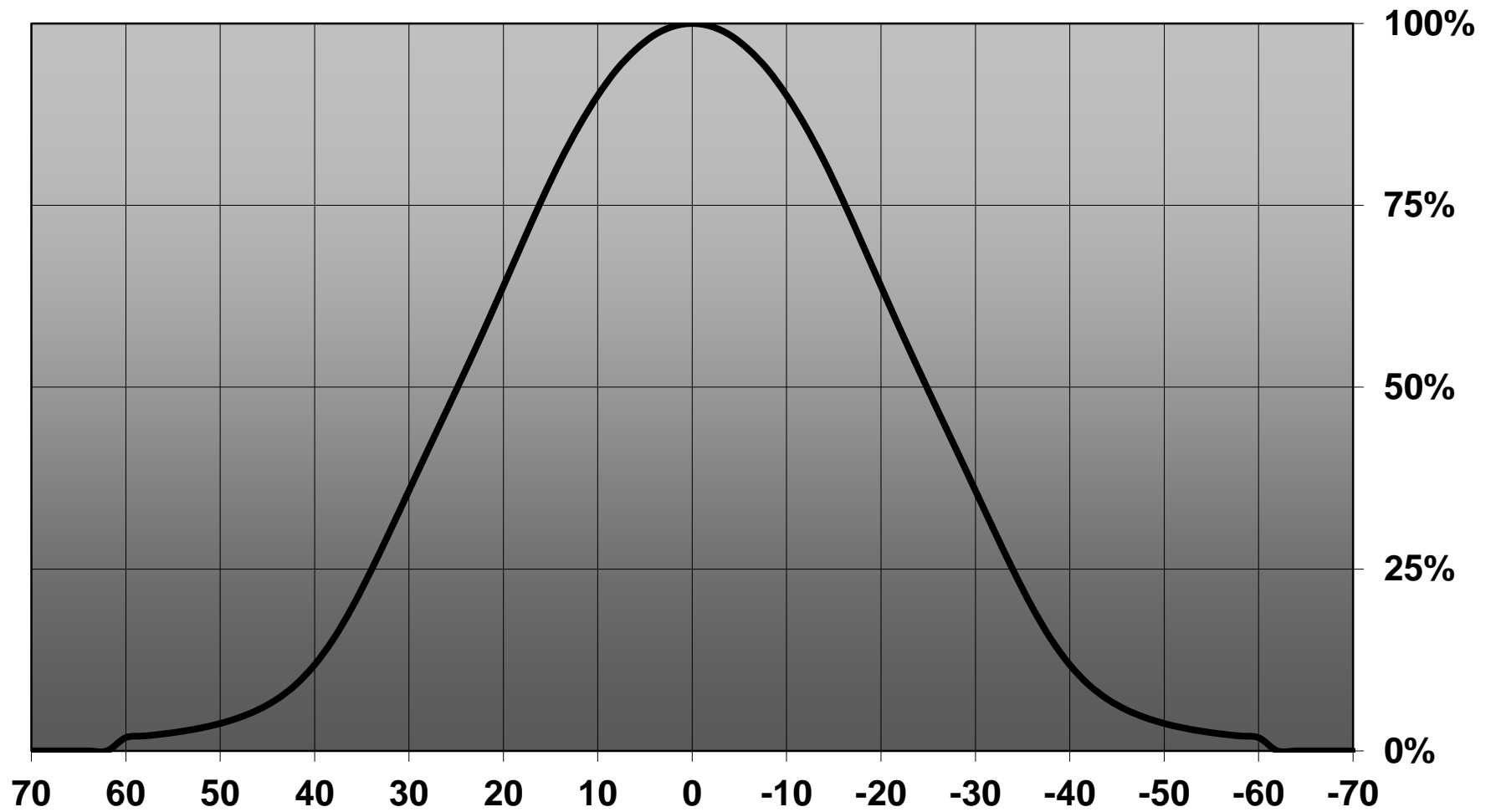
Relative intensity of CN12485_MIRELLA-50-W-DL_(CLL020)



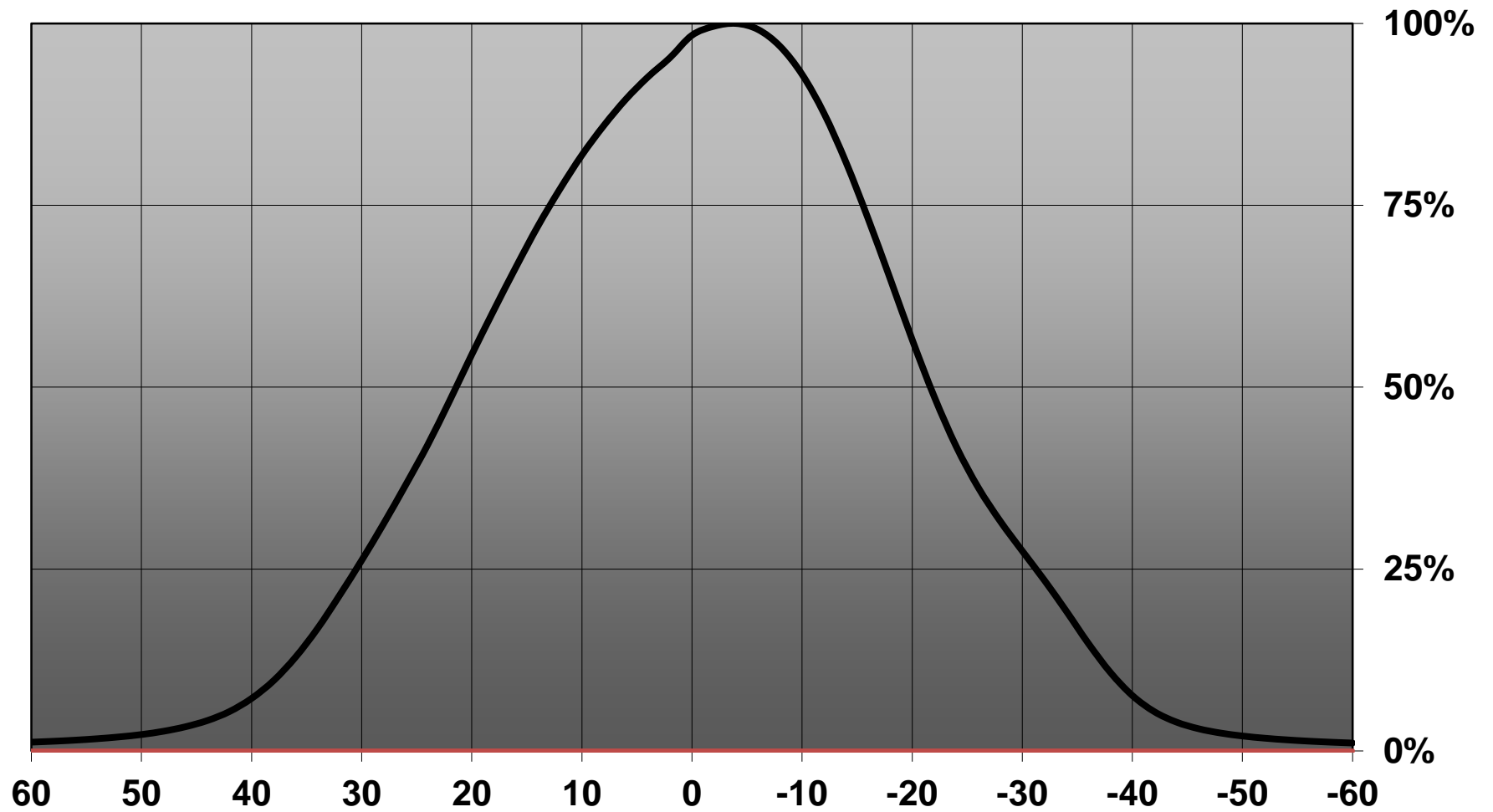
Relative intensity of CN12485_MIRELLA-50-W-DL_(MTG_Gen_II)



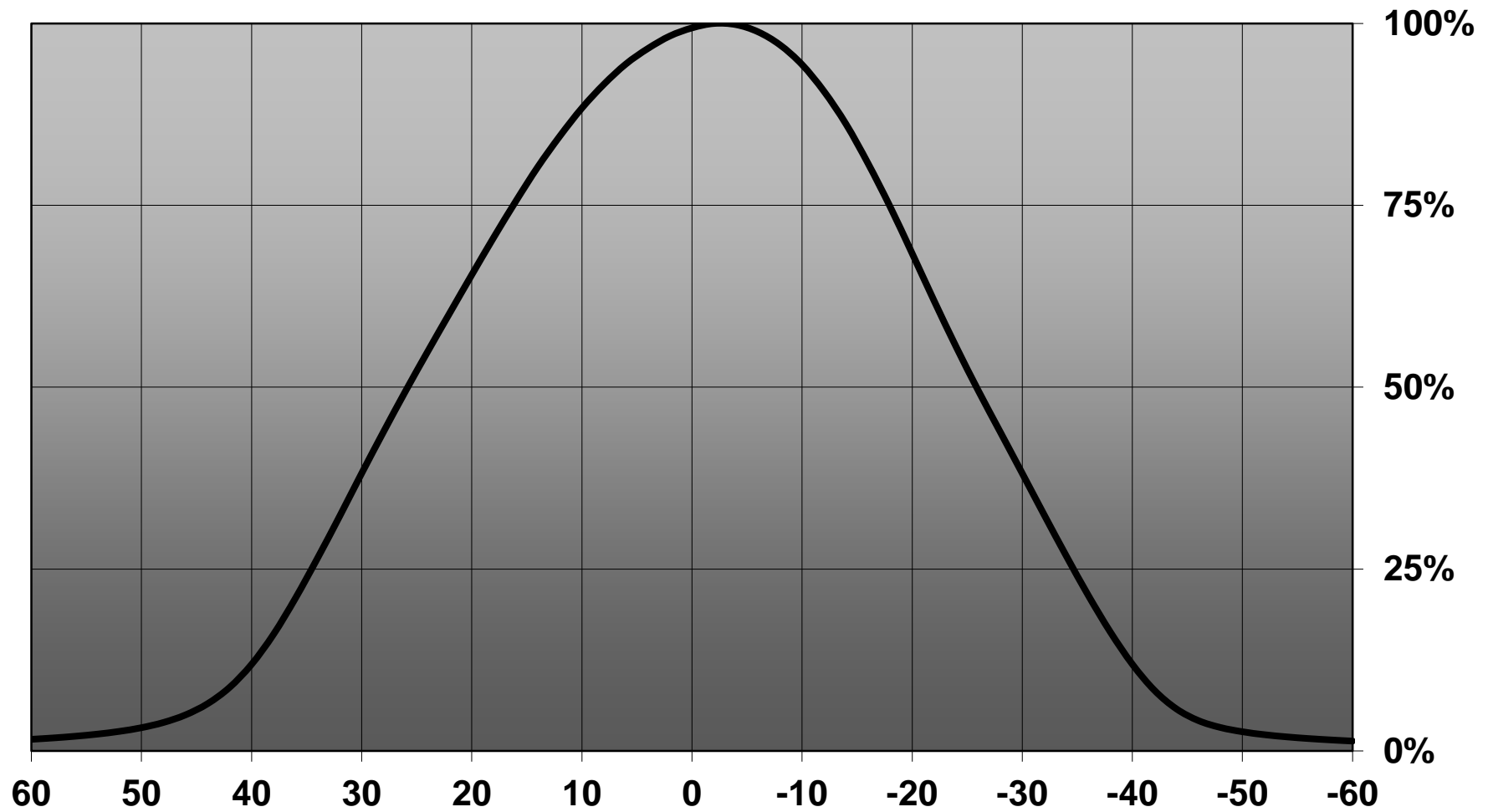
Relative intensity of CN12485_MIRELLA-50-W-DL



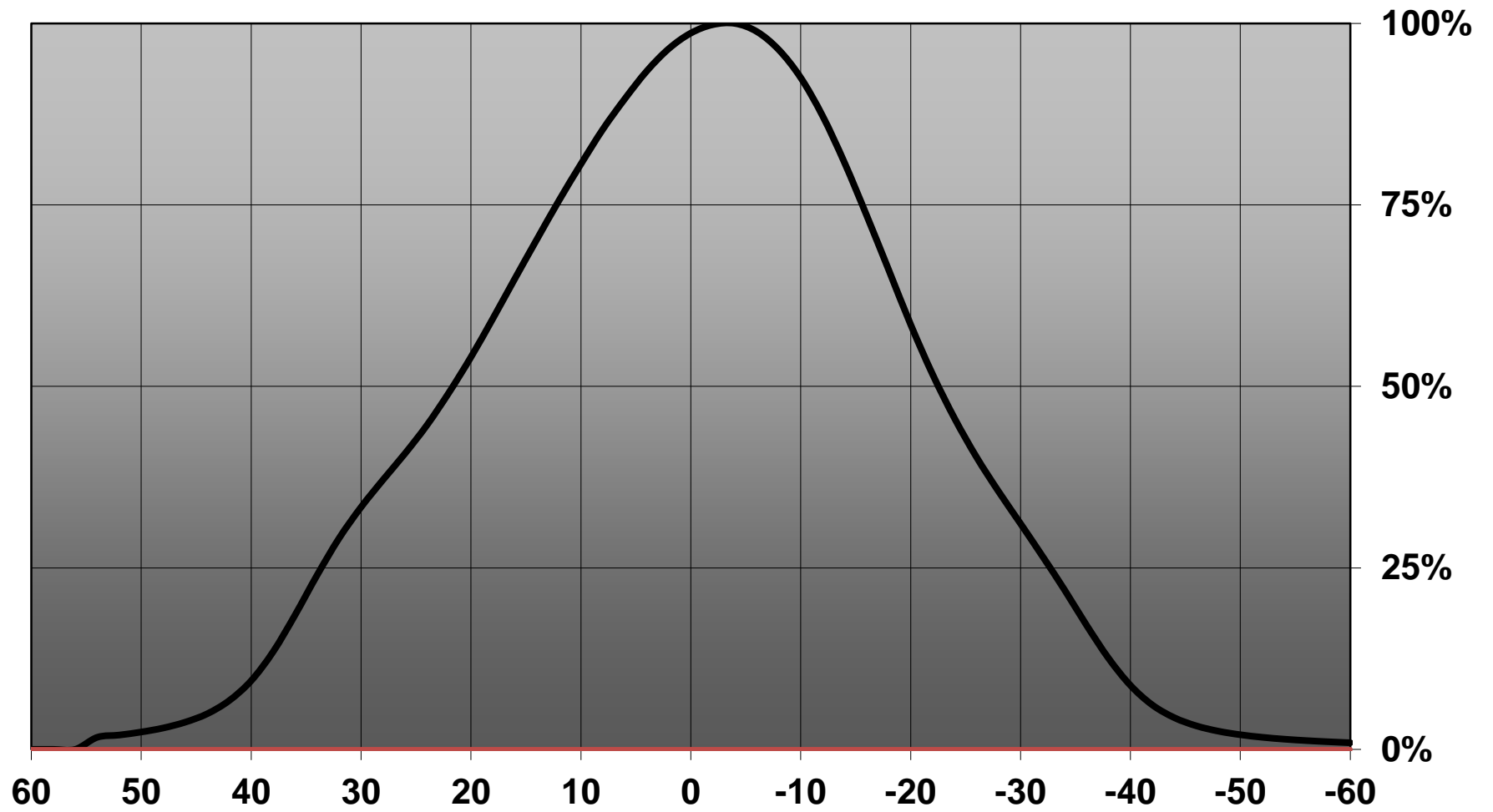
Relative intensity of CN12485_MIRELLA-50-W-DL_(CXA1304)



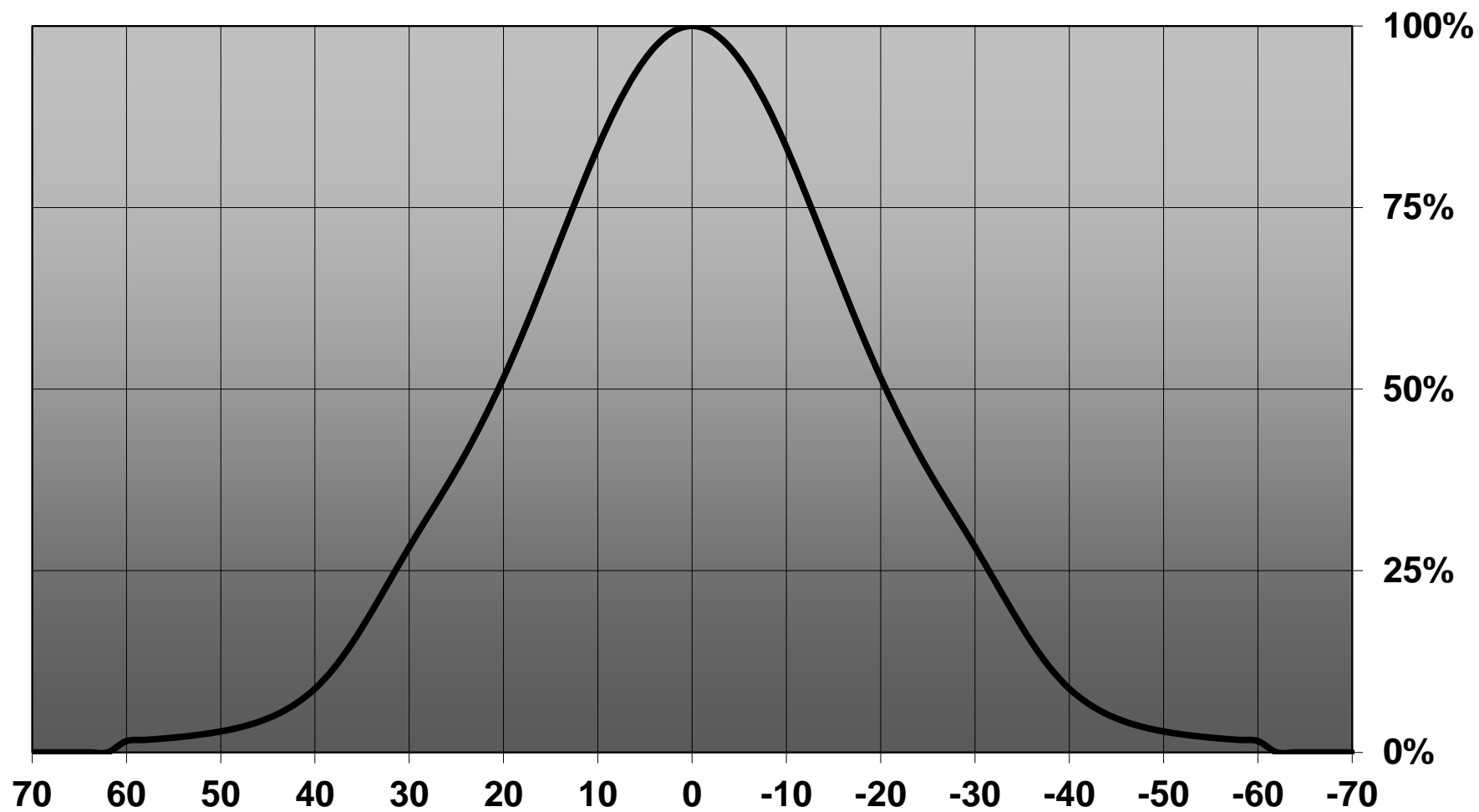
Relative intensity of CN12485_MIRELLA-50-W-DL_(CXA1816)



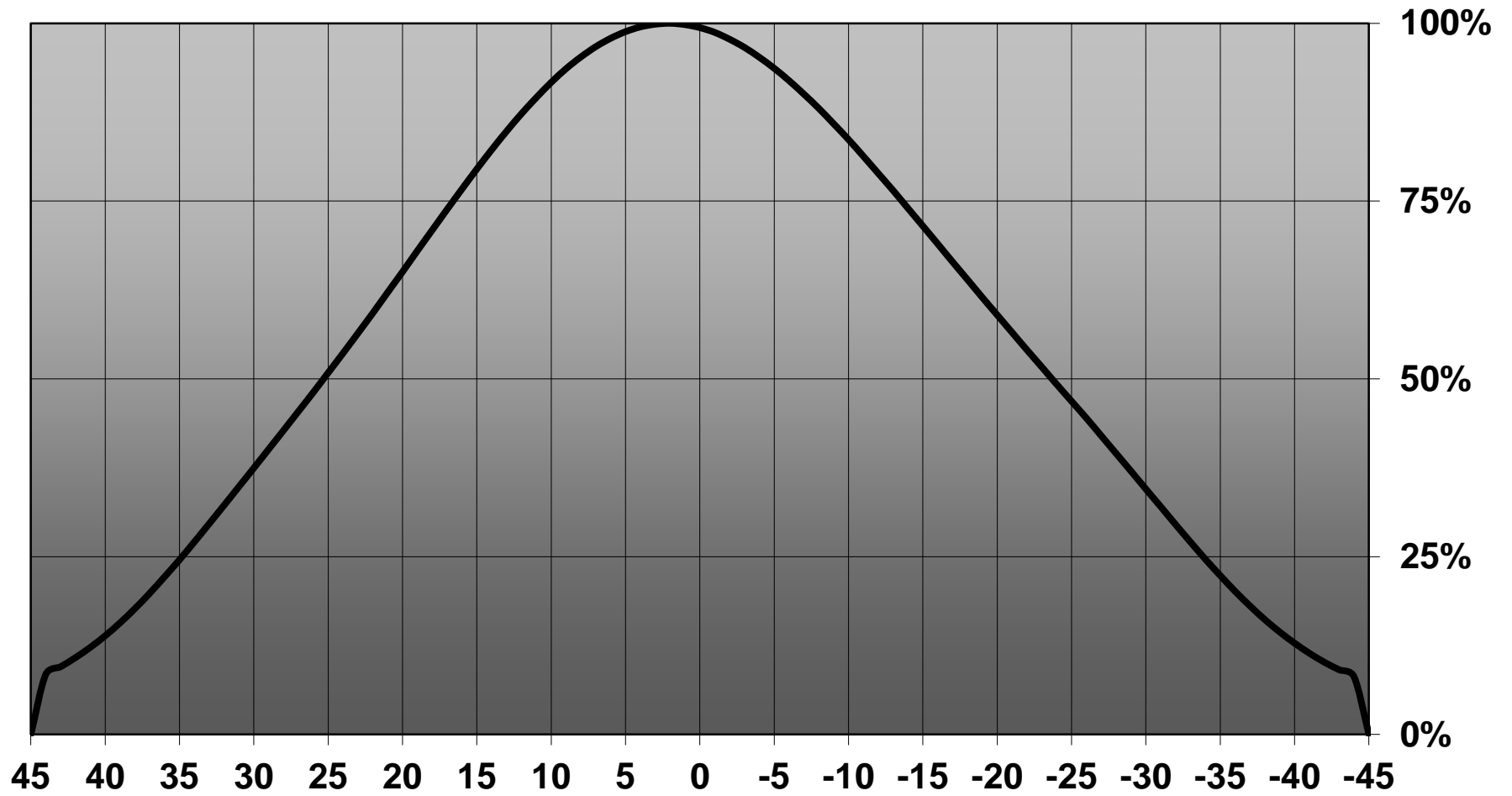
Relative intensity of Mirella-W-DL-4WLG



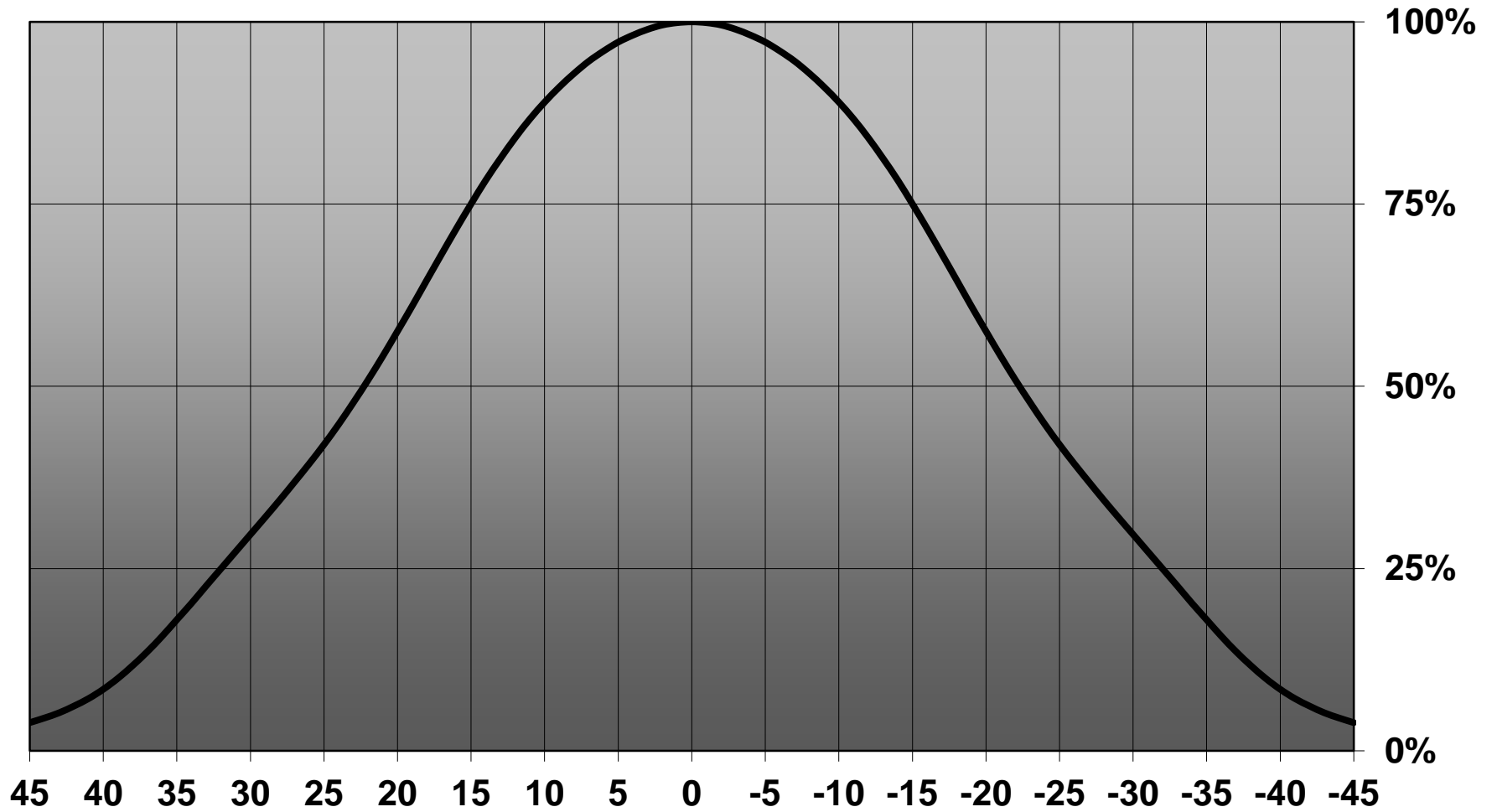
Relative intensity of CN12485_MIRELLA-50-W-DL_(Luxeon_S)

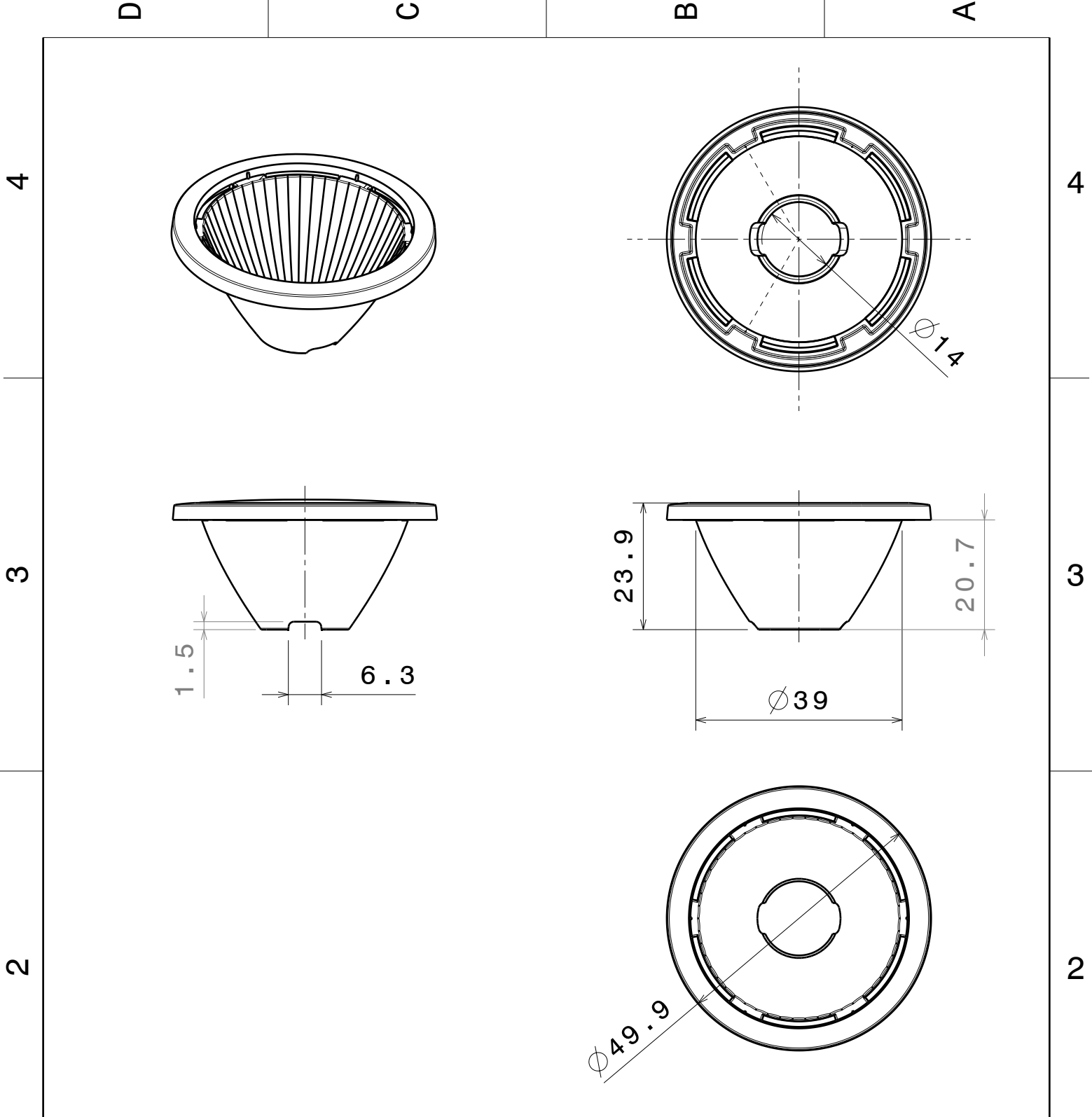


Relative intensity of CN12485_MIRELLA-50-W-DL_(Duris_S10)



Relative intensity of CN12485_MIRELLA-50-W-DL_(MiniZenigata)





Material: PC, metal plated

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Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE

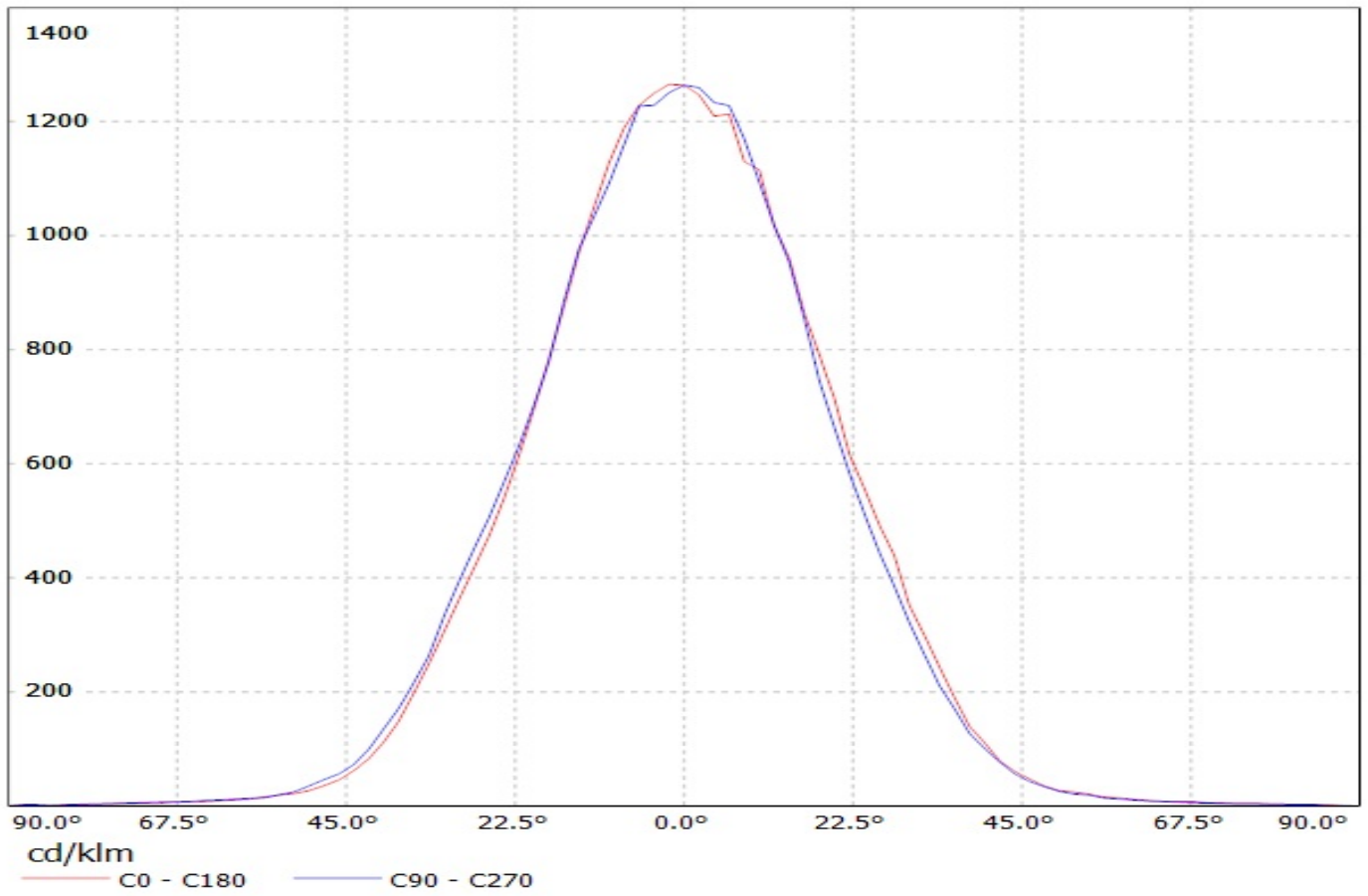
Datasheet Mirella reflector

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

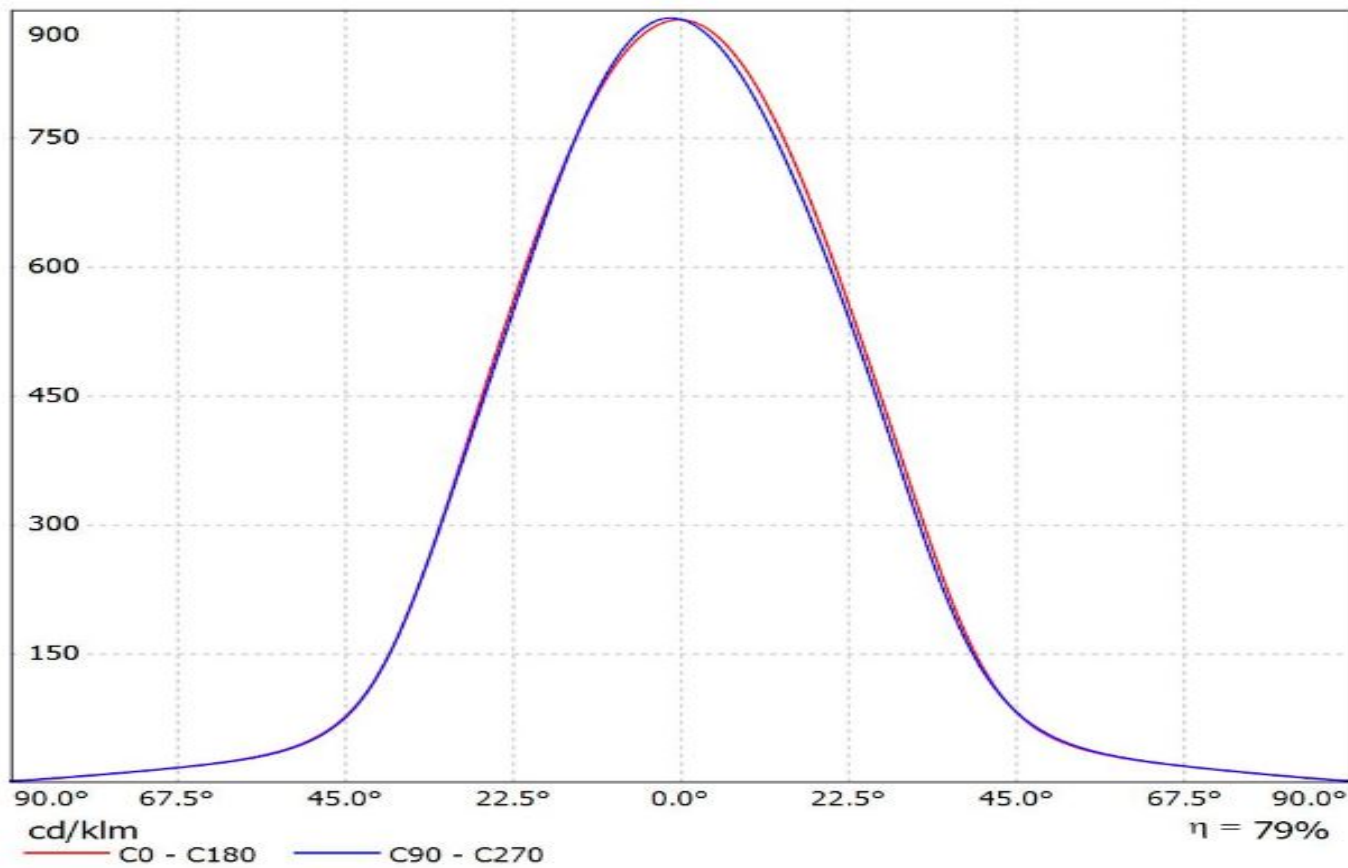
D

A

Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (Bridgelux LS 170lm @ 250mA) Efficiency=82%
Lamps: 1 x Bridgelux LS 170lm @ 250mA

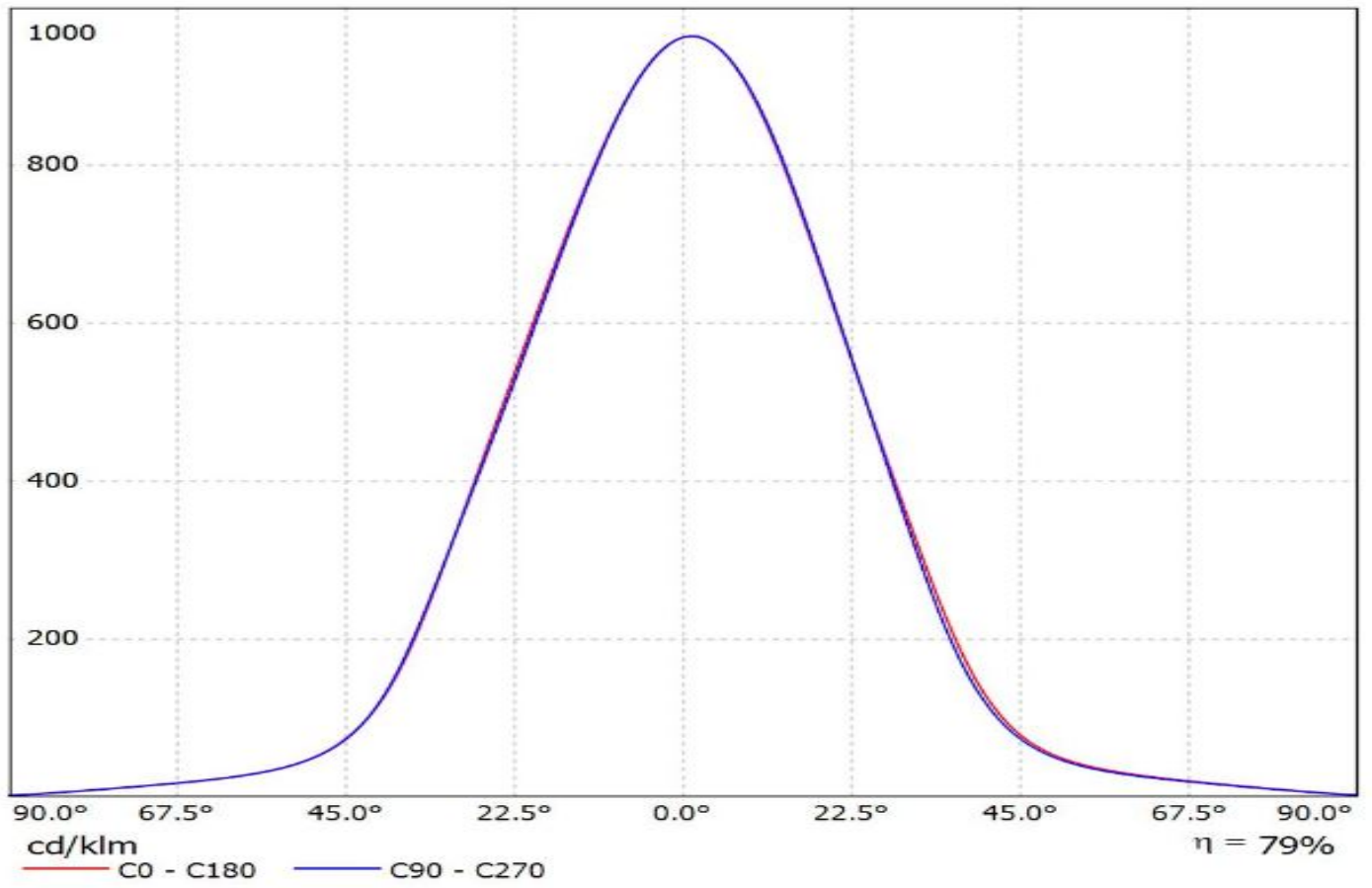


Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



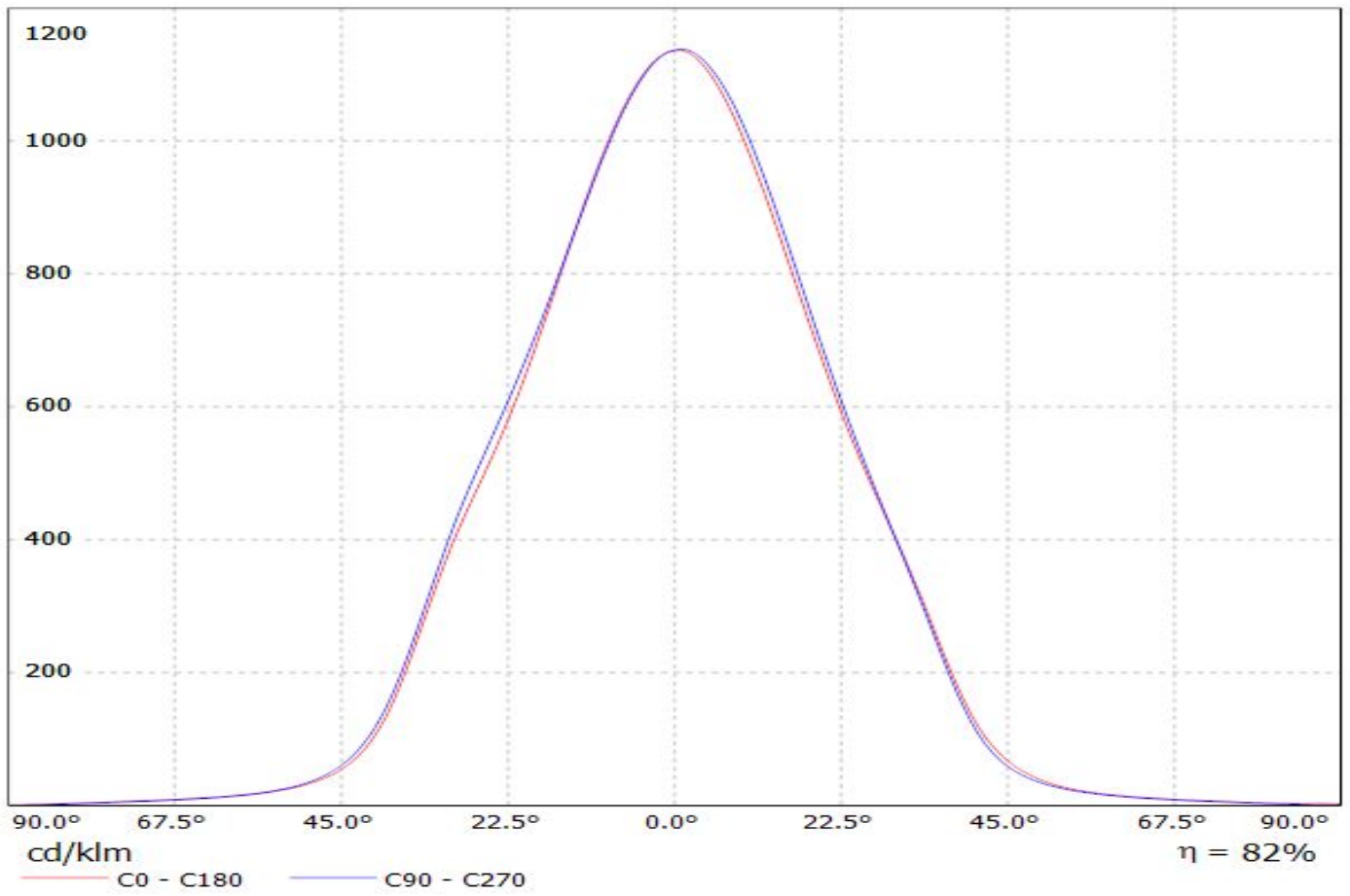
Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(CLU710)

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

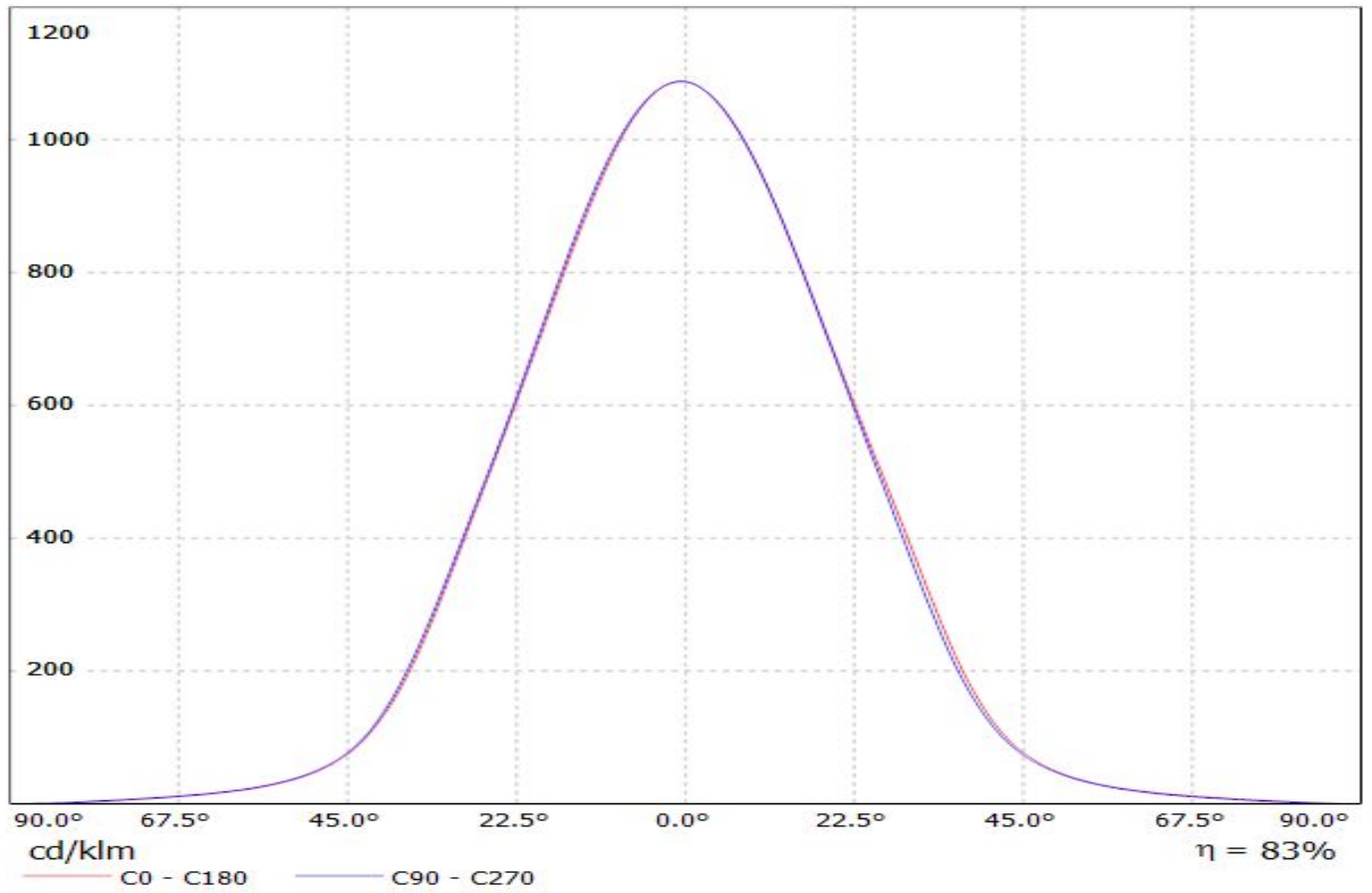


Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CLU700)

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

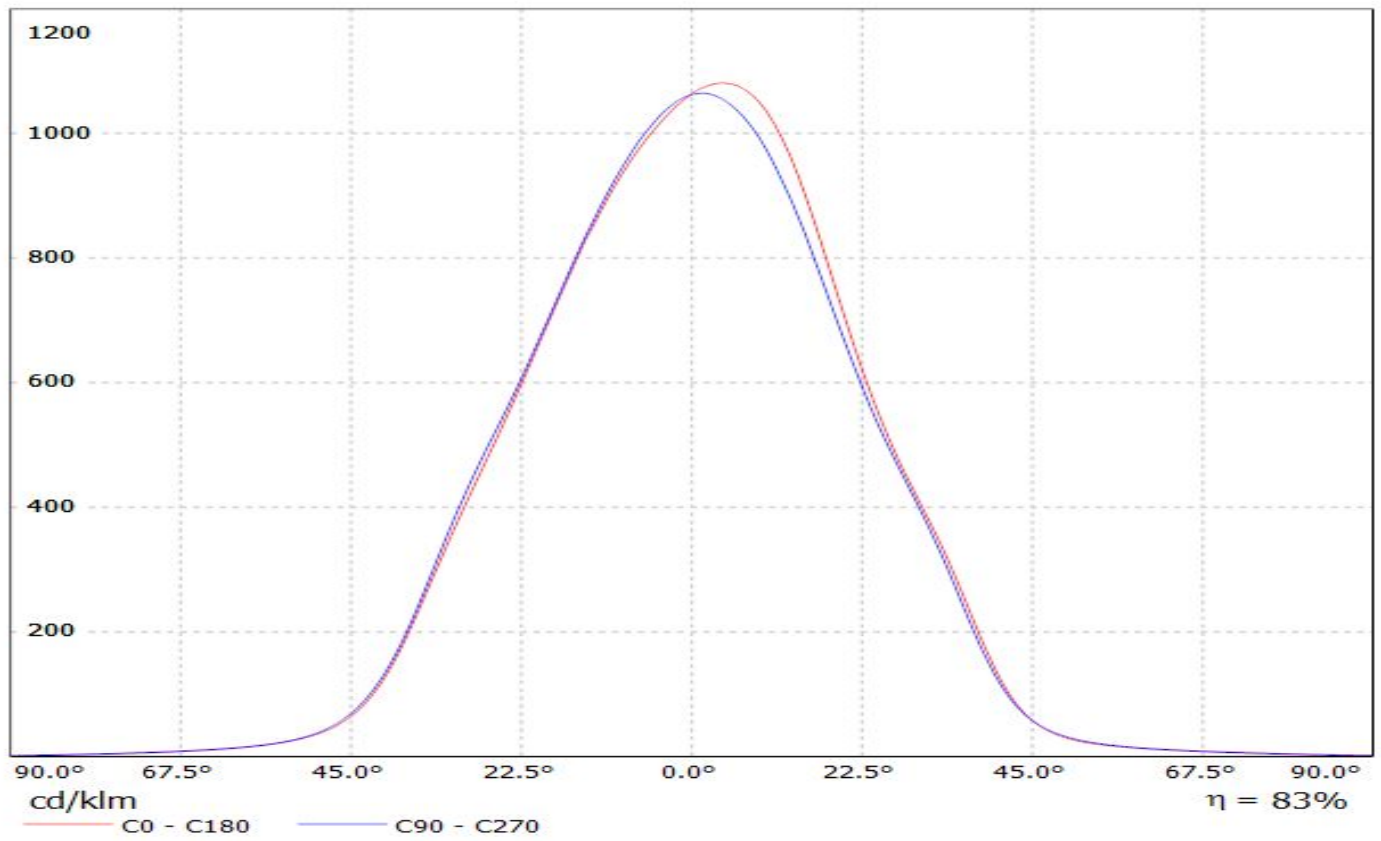


Luminaire: Ledil Oy
Lamps: 1 x CN12485_MIRELLA-50-W-DL_(CLL028)



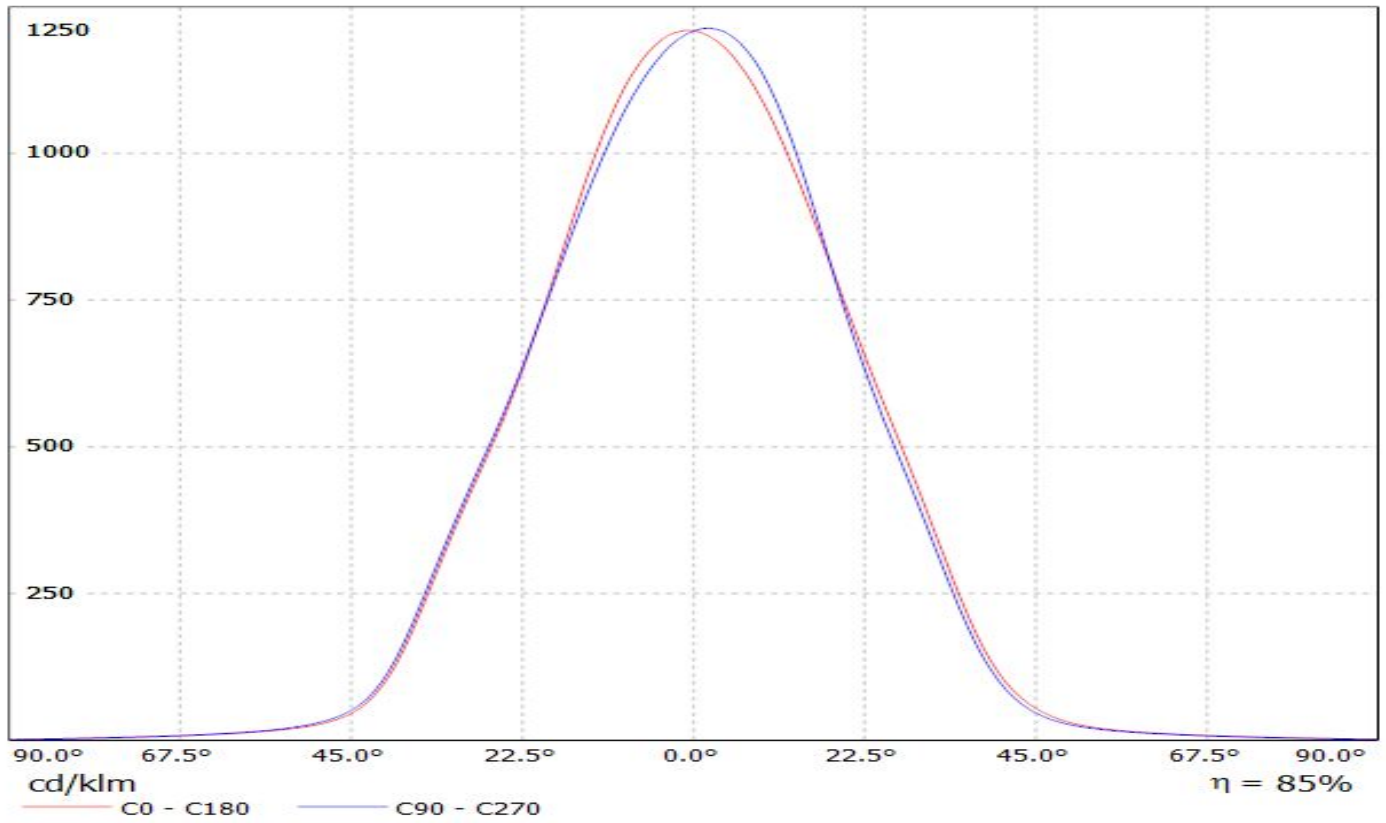
LEDiL Oy CN12485_MIRELLA-50-W-DL_(MT-G2) Eff.83.2% / LDC (Linear)

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(MT-G2) Eff.83.2%
Lamps: 1 x MT-G2 (170lm@250mA)

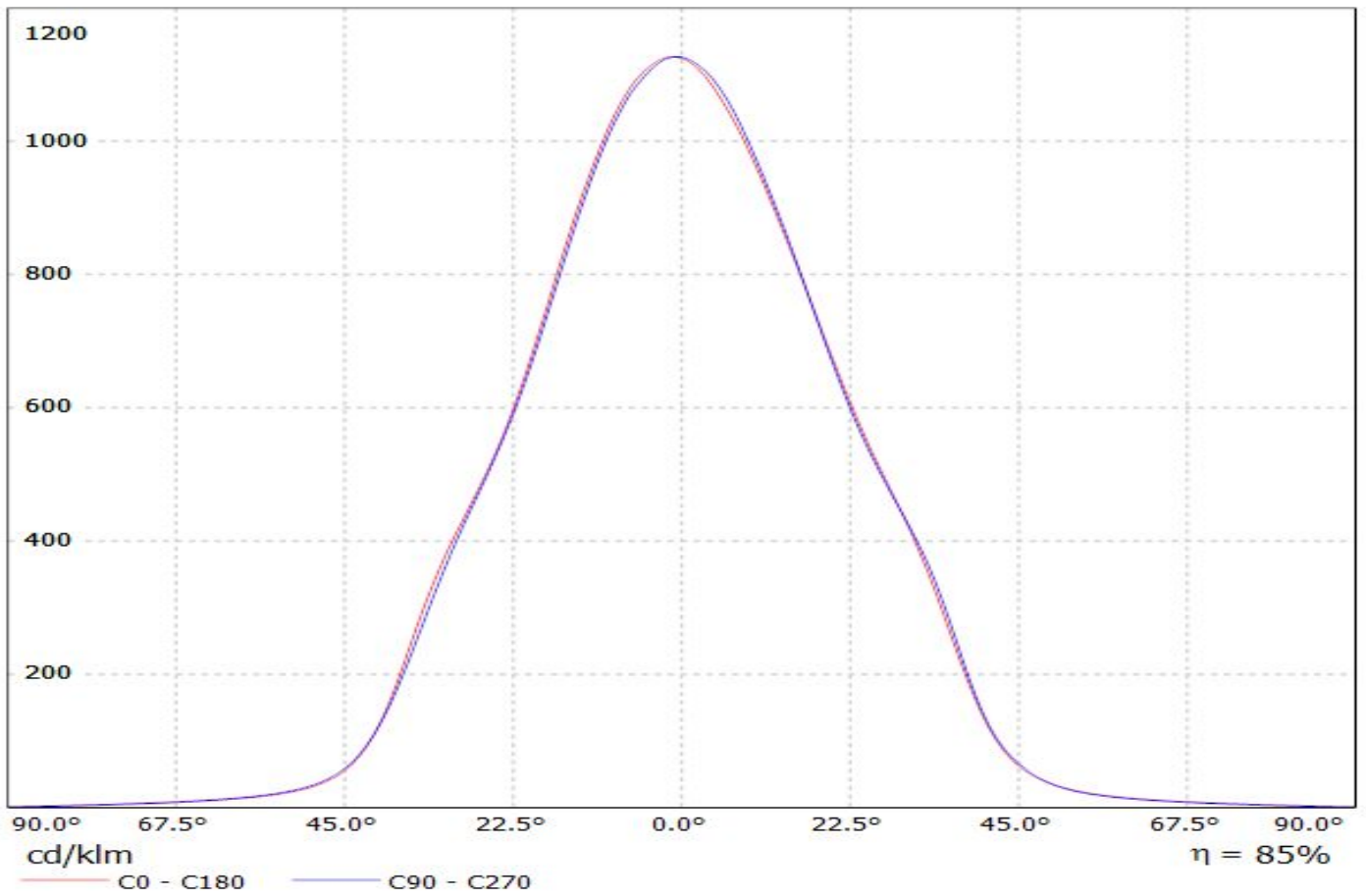


LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXA1507) Eff.84.8% / LDC (Linear)

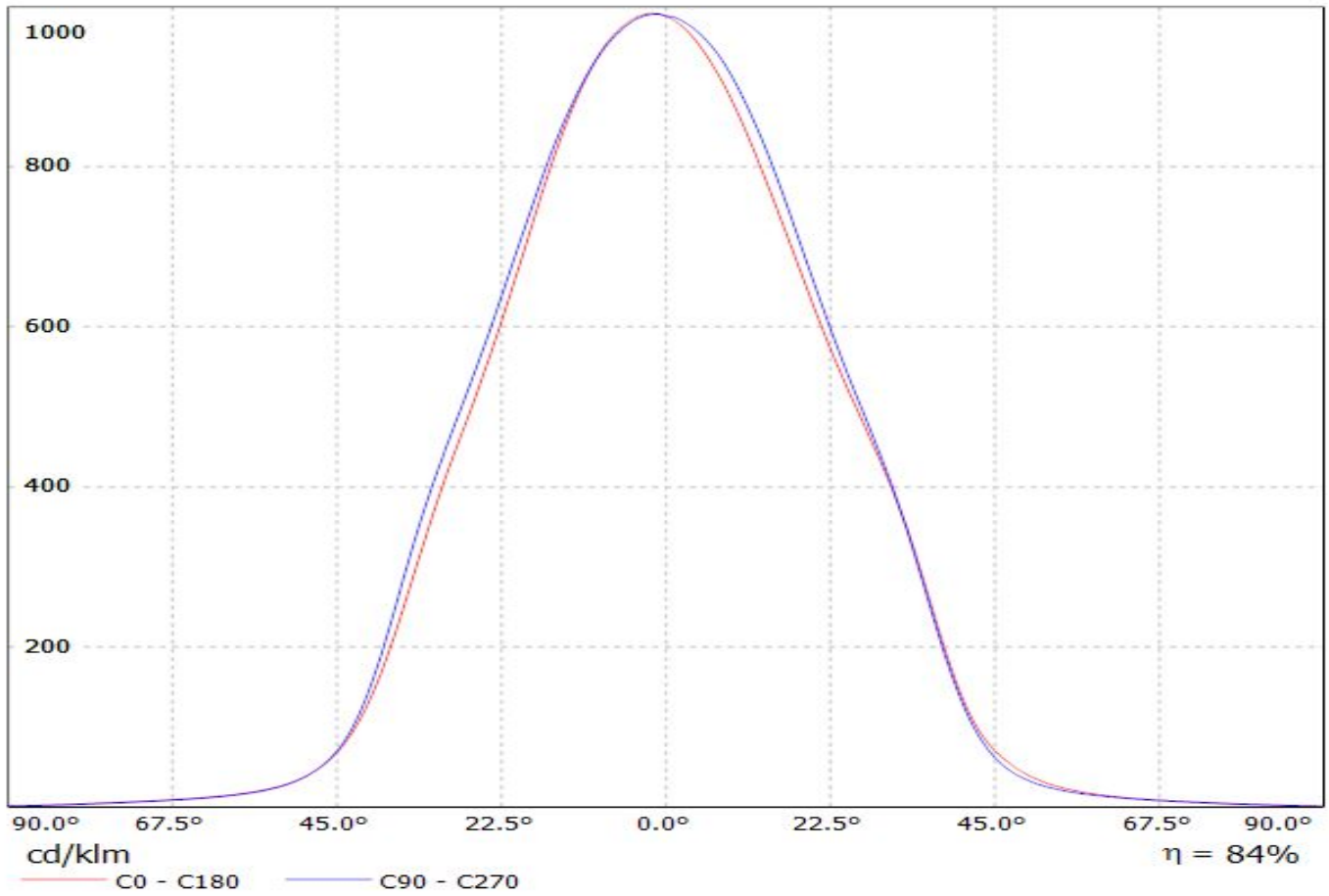
Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXA1507) Eff.84.8%
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA



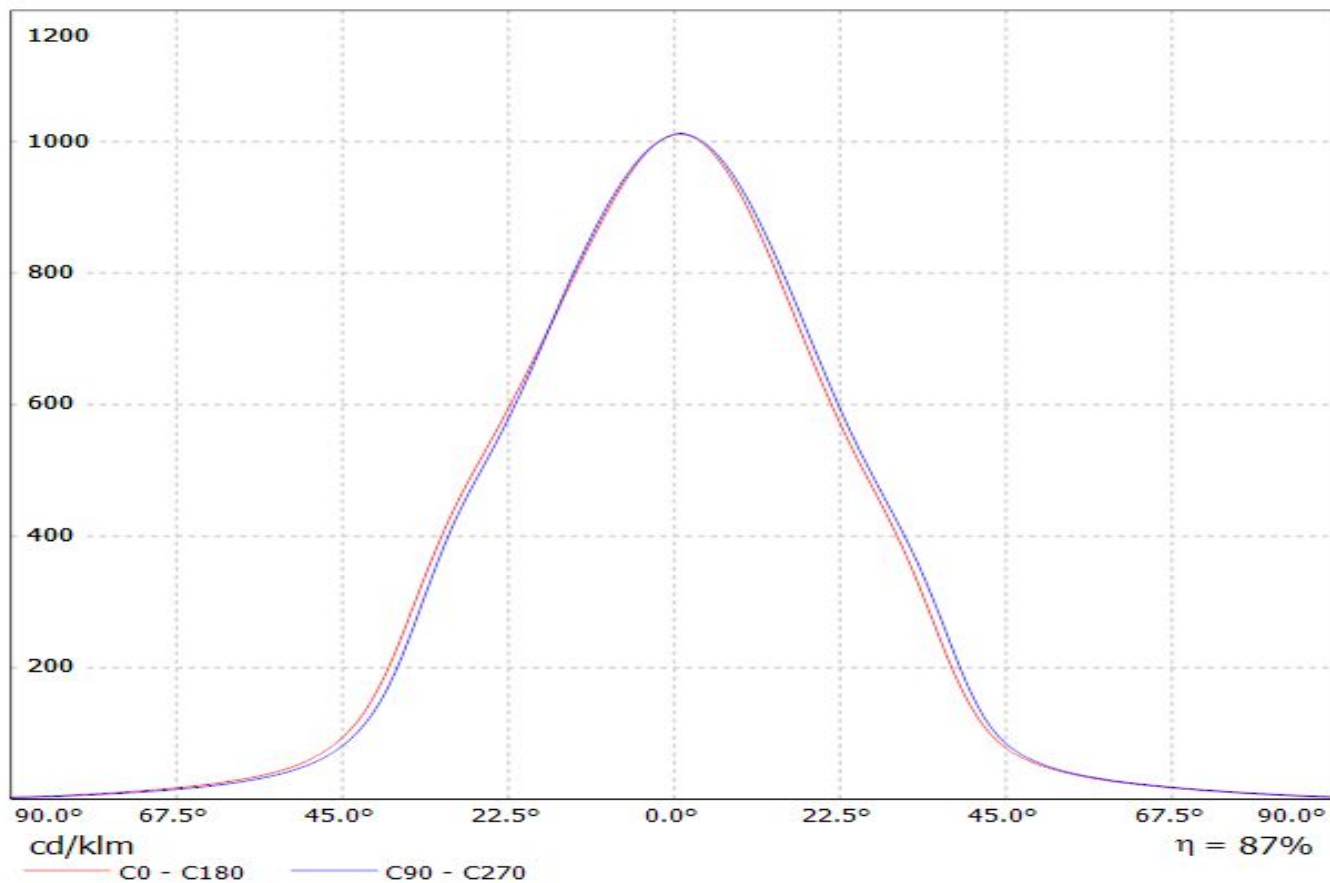
Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A



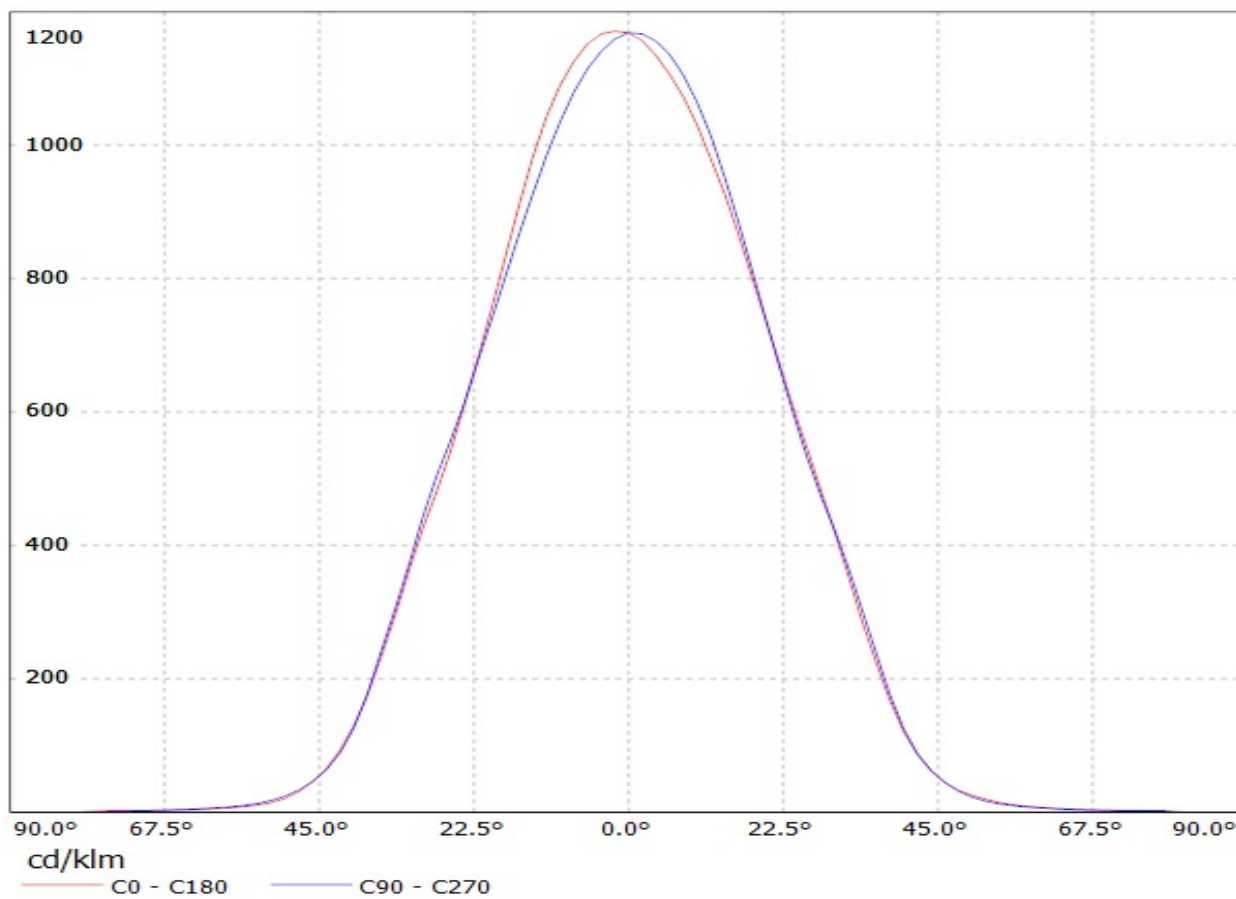
Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A

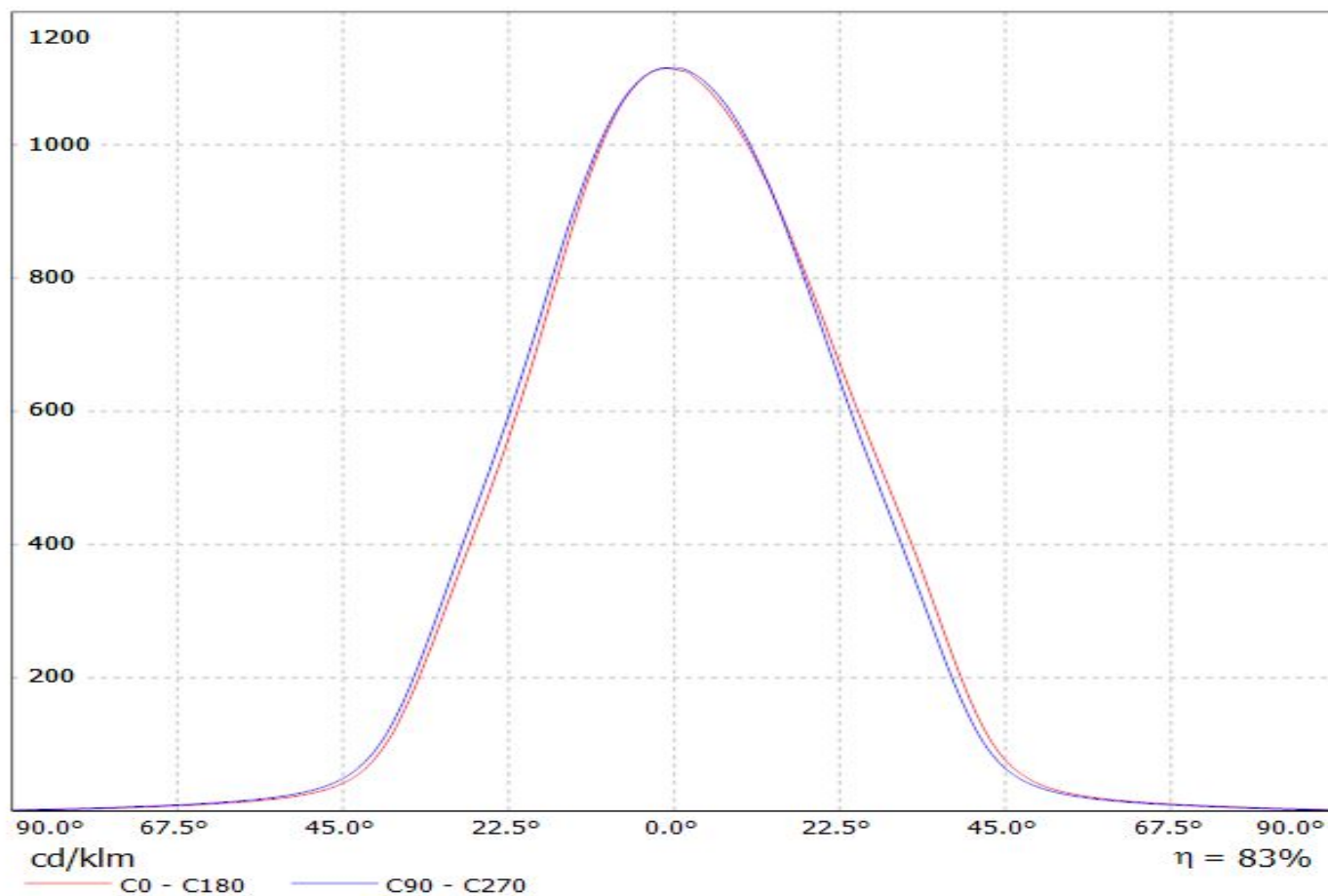


Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL_(Luxeon_CoB_1203) Efficiency=84%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA

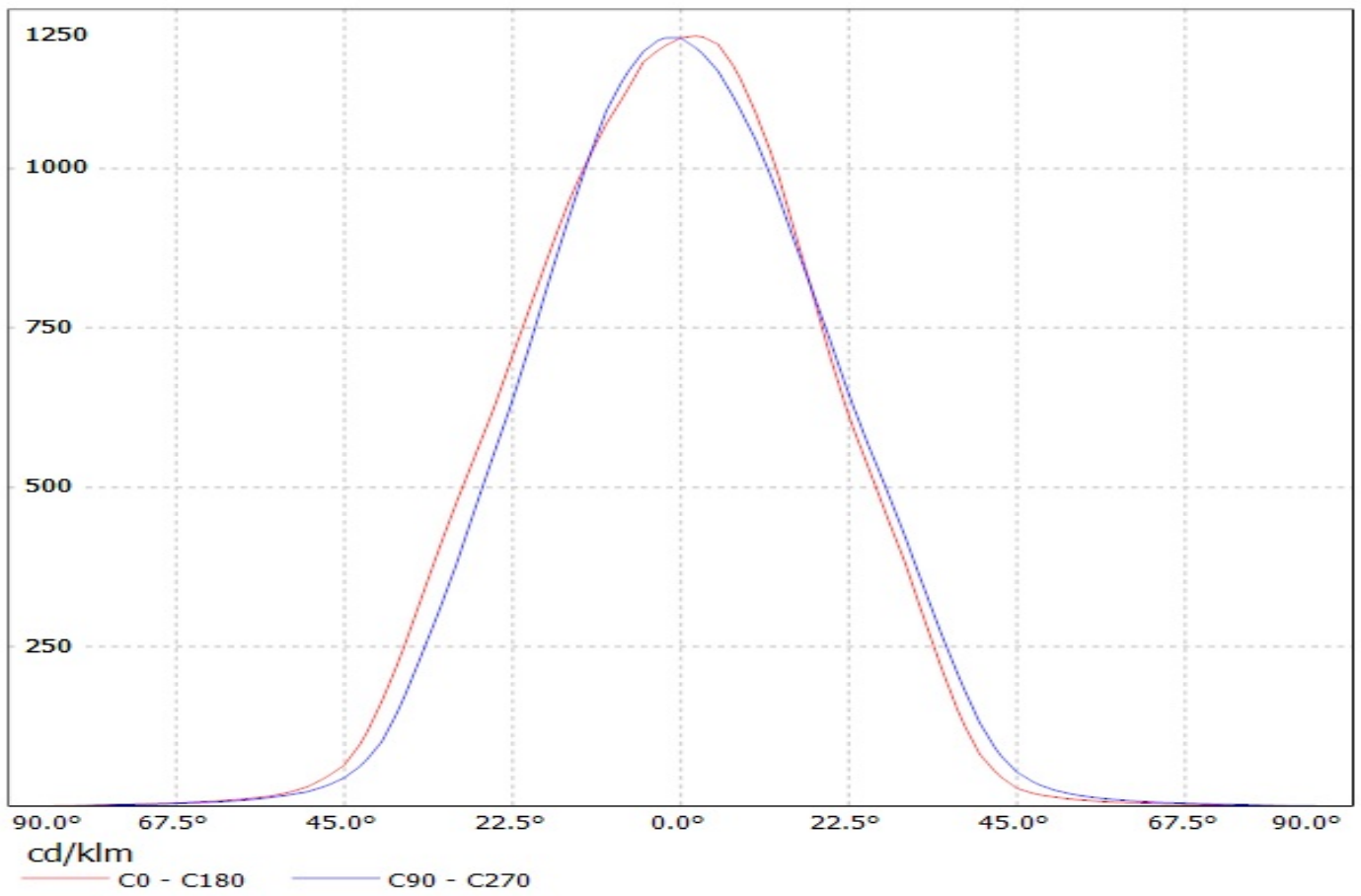


Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXM-9)

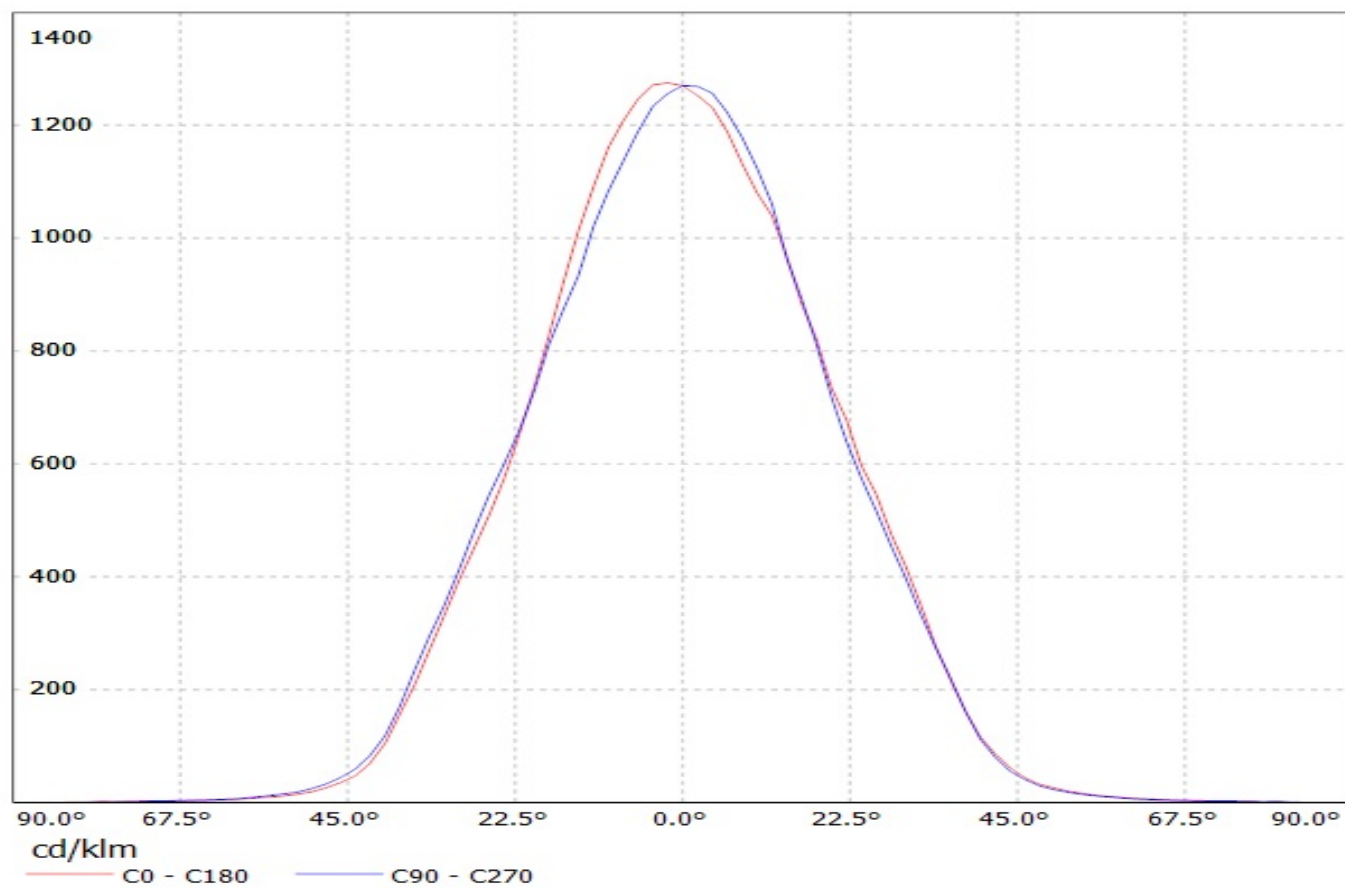
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.083lm@240mA_P=8.27544W_I=240mA



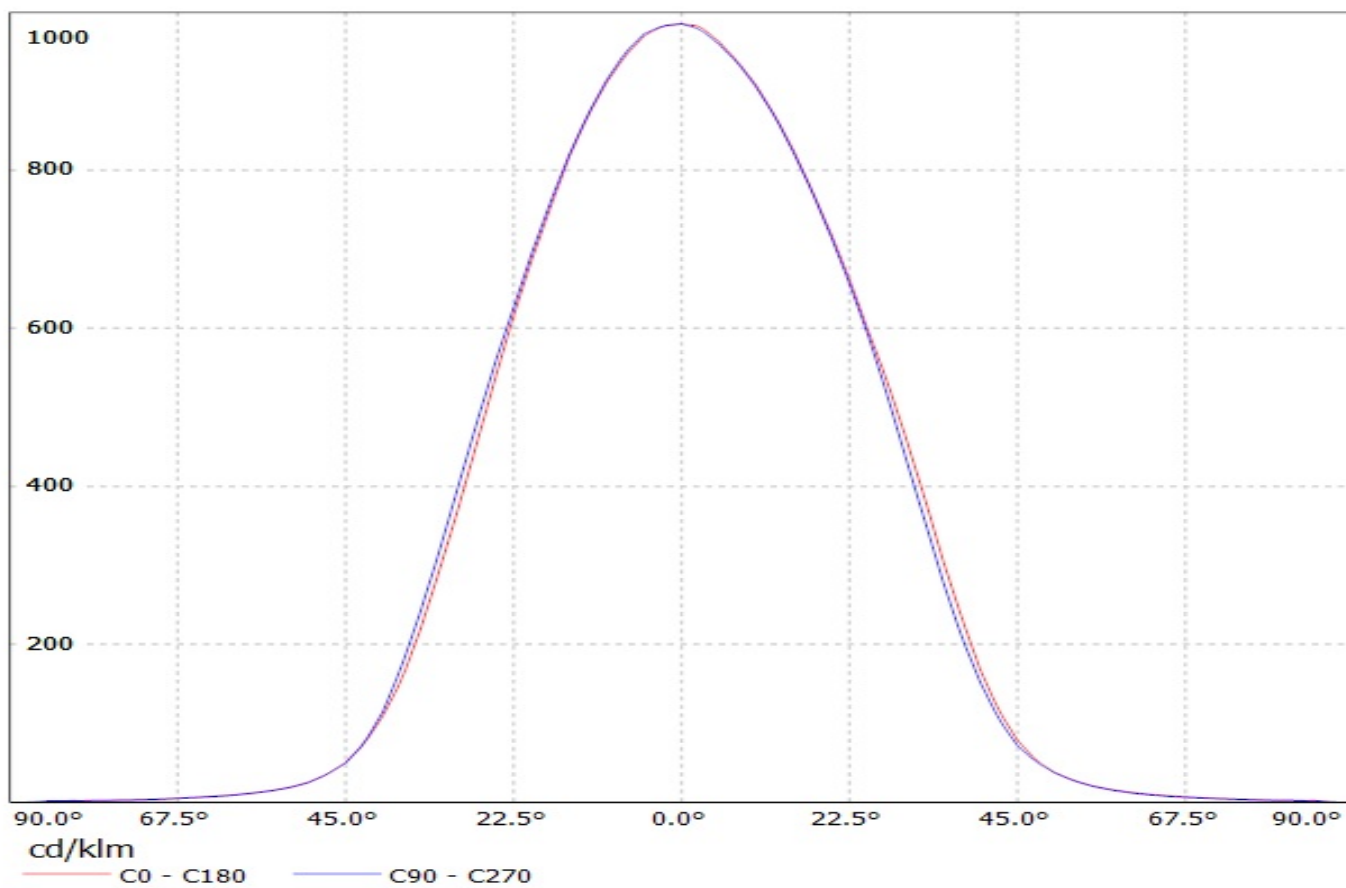
Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (NSBxL066A 930lm @ 250mA) Efficiency=83%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



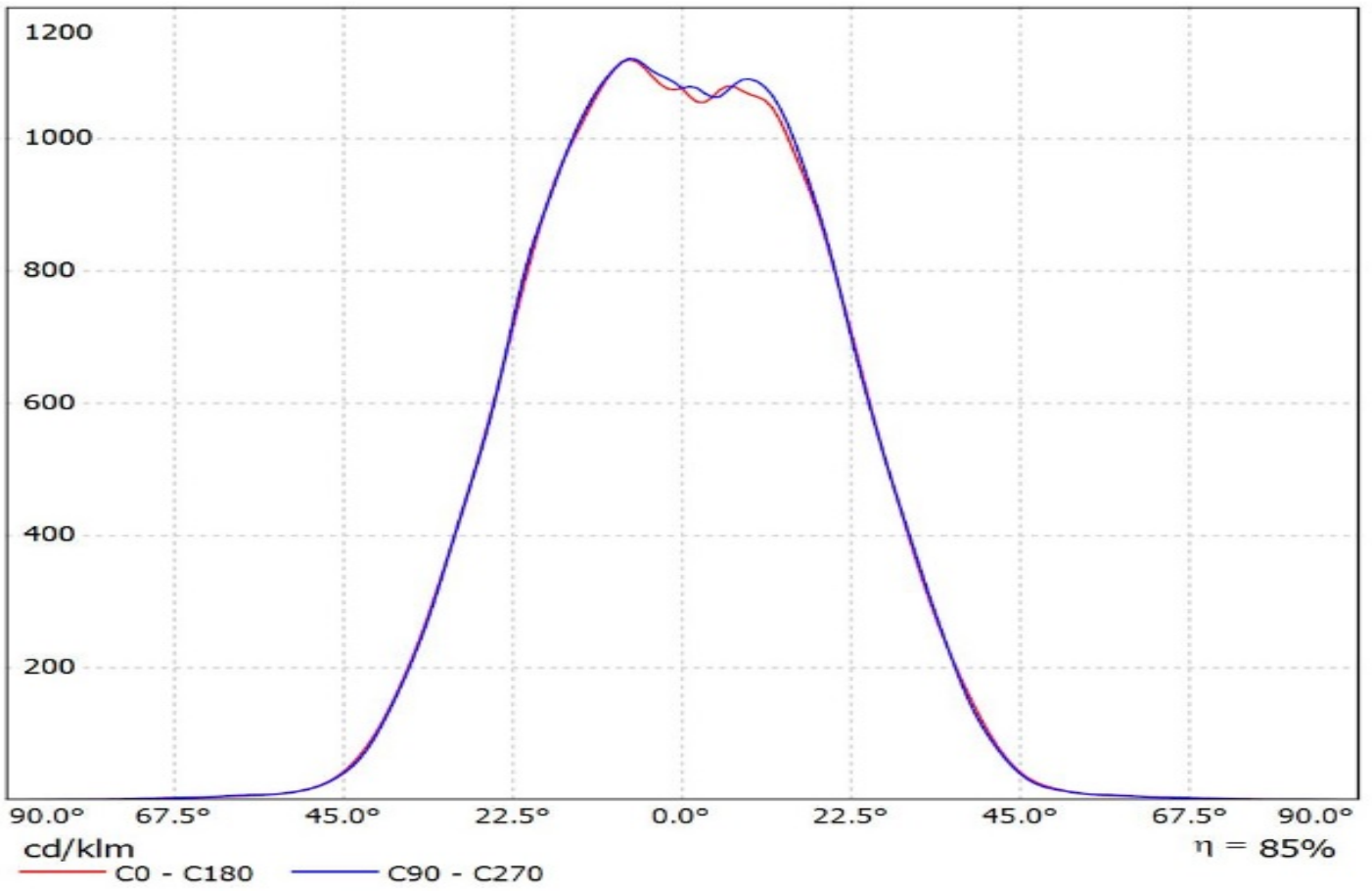
Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=83%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



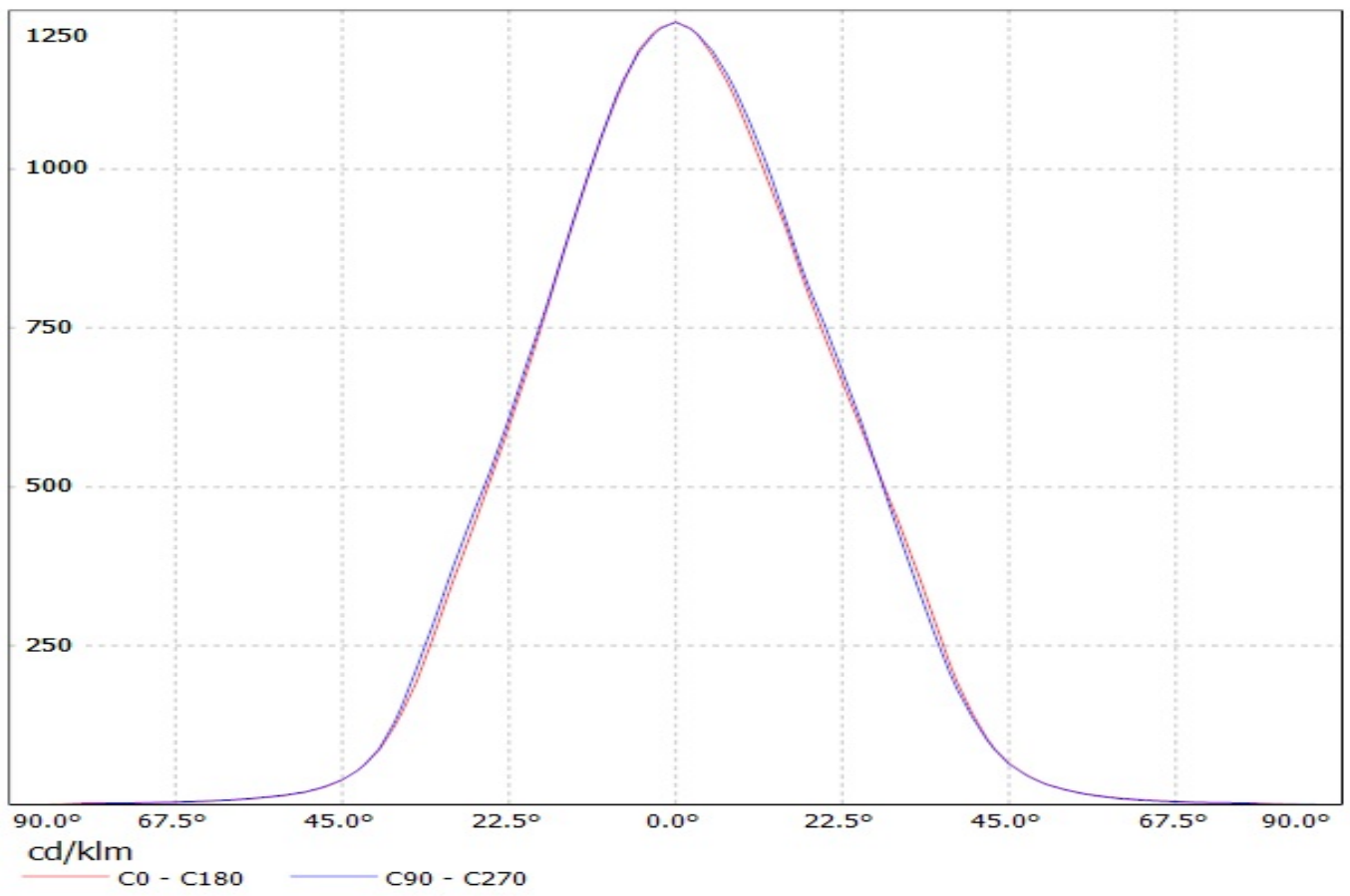
Luminaire: LEDil Oy CN12485_MIRELLA-50-W-DL_(Soleriq-S13) Efficiency=81%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



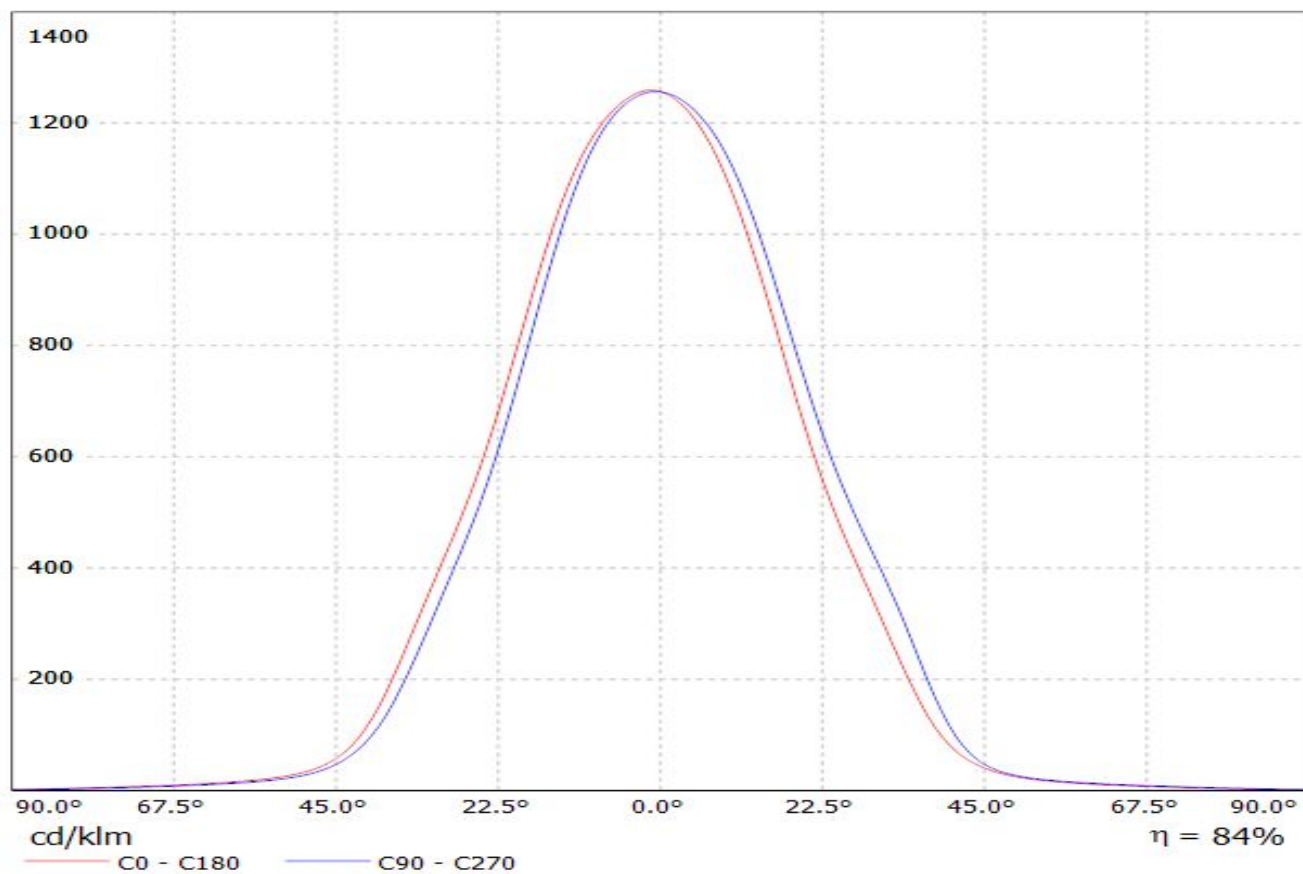
Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



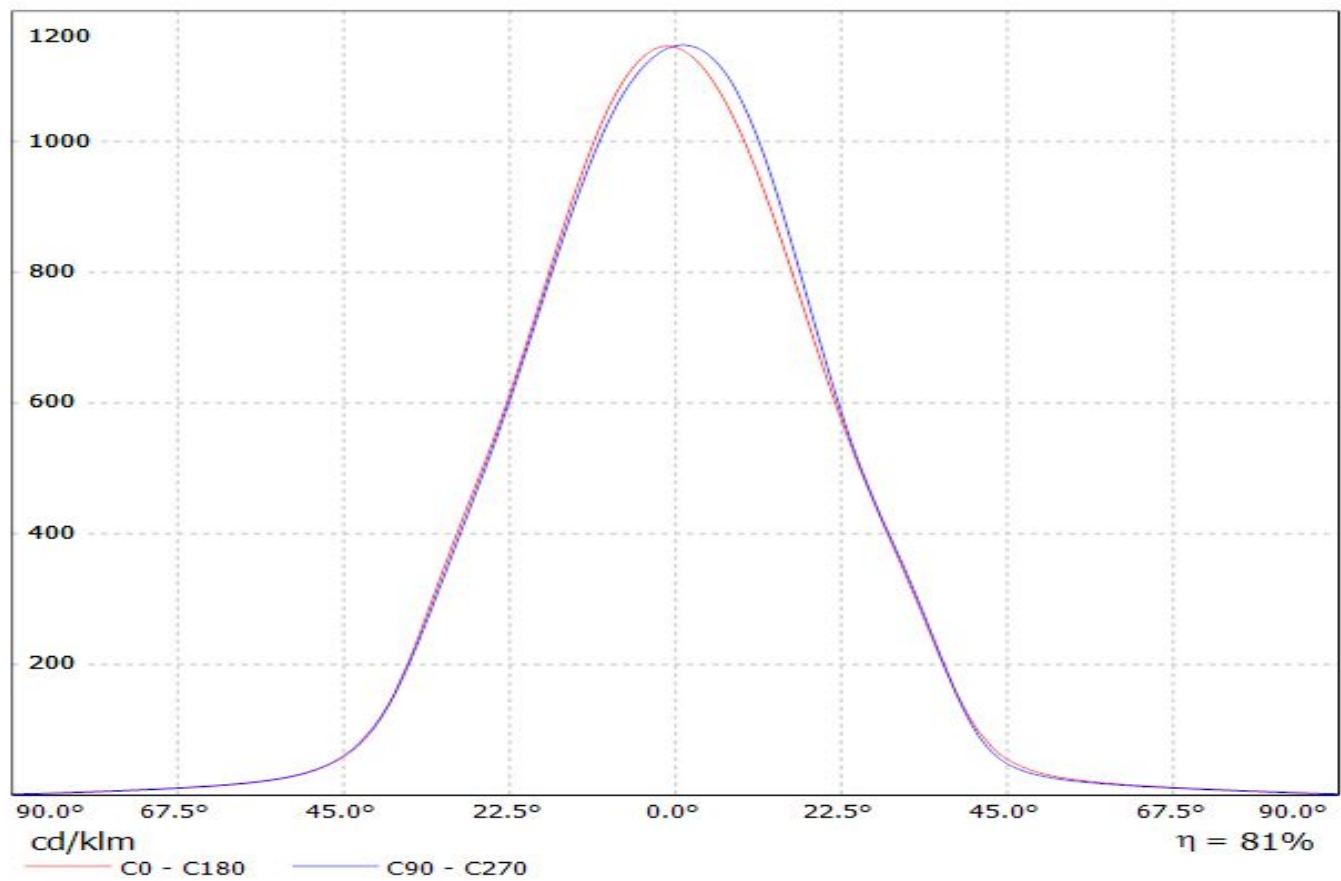
Luminaire: LEDil Oy CN12485_MIRELLA-50-W-DL_(ZC6) Efficiency=81%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



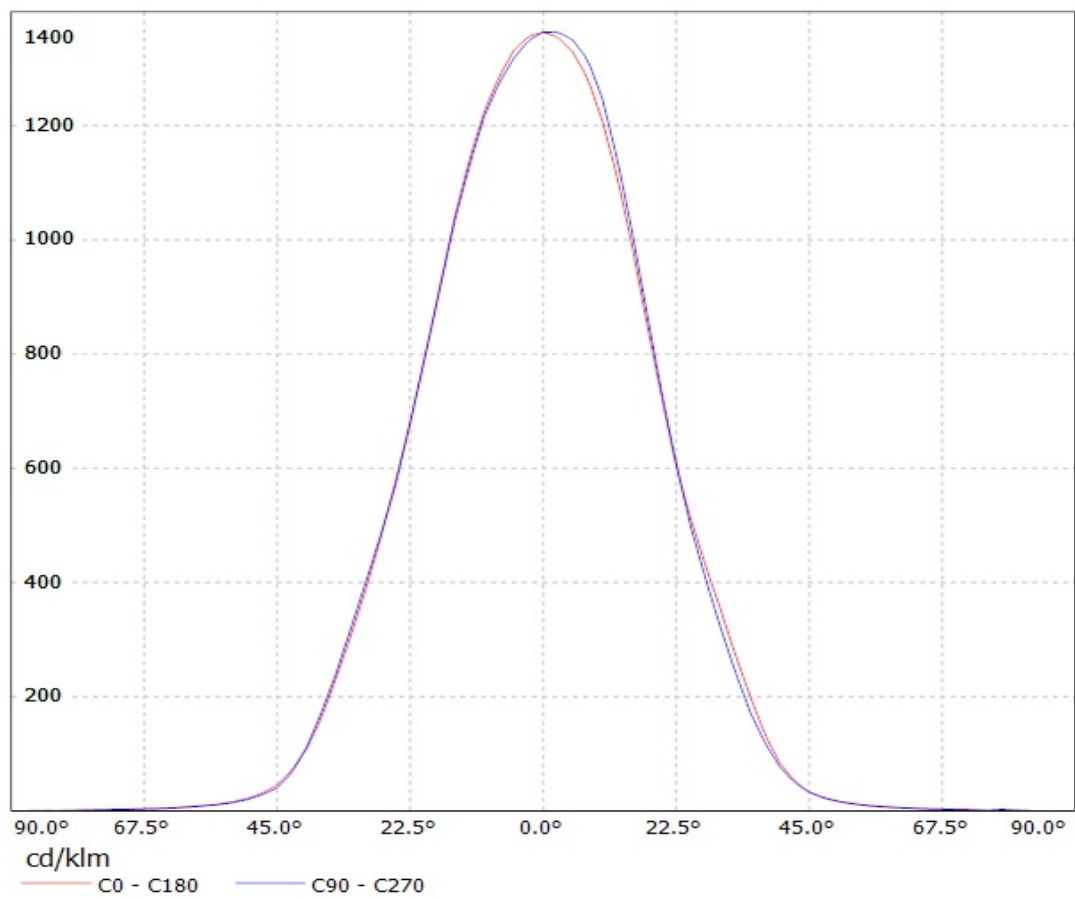
Luminaire: LEDIL OY CN12485_MIRELLA-50-W-DL_(MiniZenigata) Eff.83.6%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)



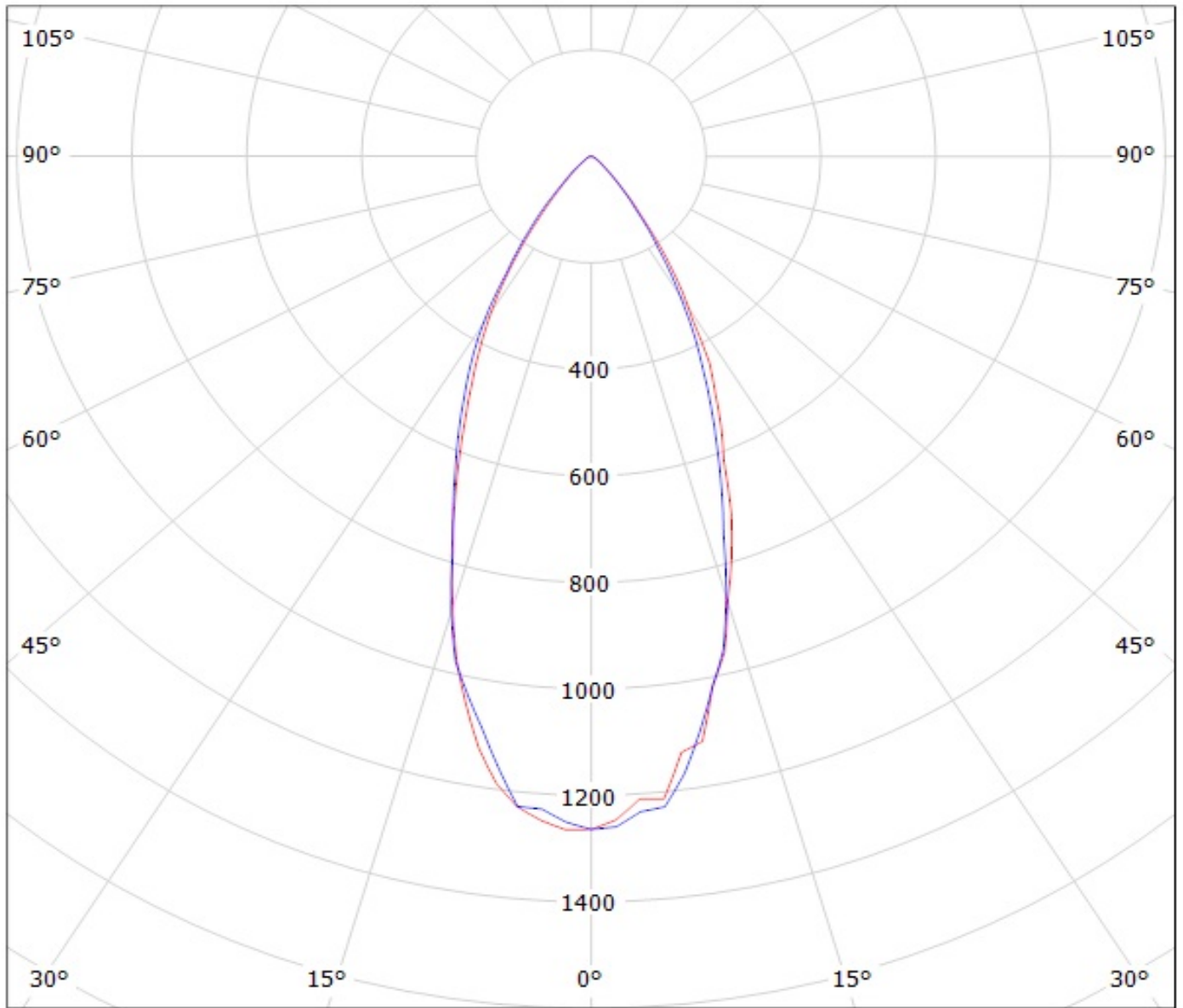
Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(Mini_Zenigata) Eff.81.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



Luminaire: LEDil Oy CN12485_MIRELLA-50-W-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



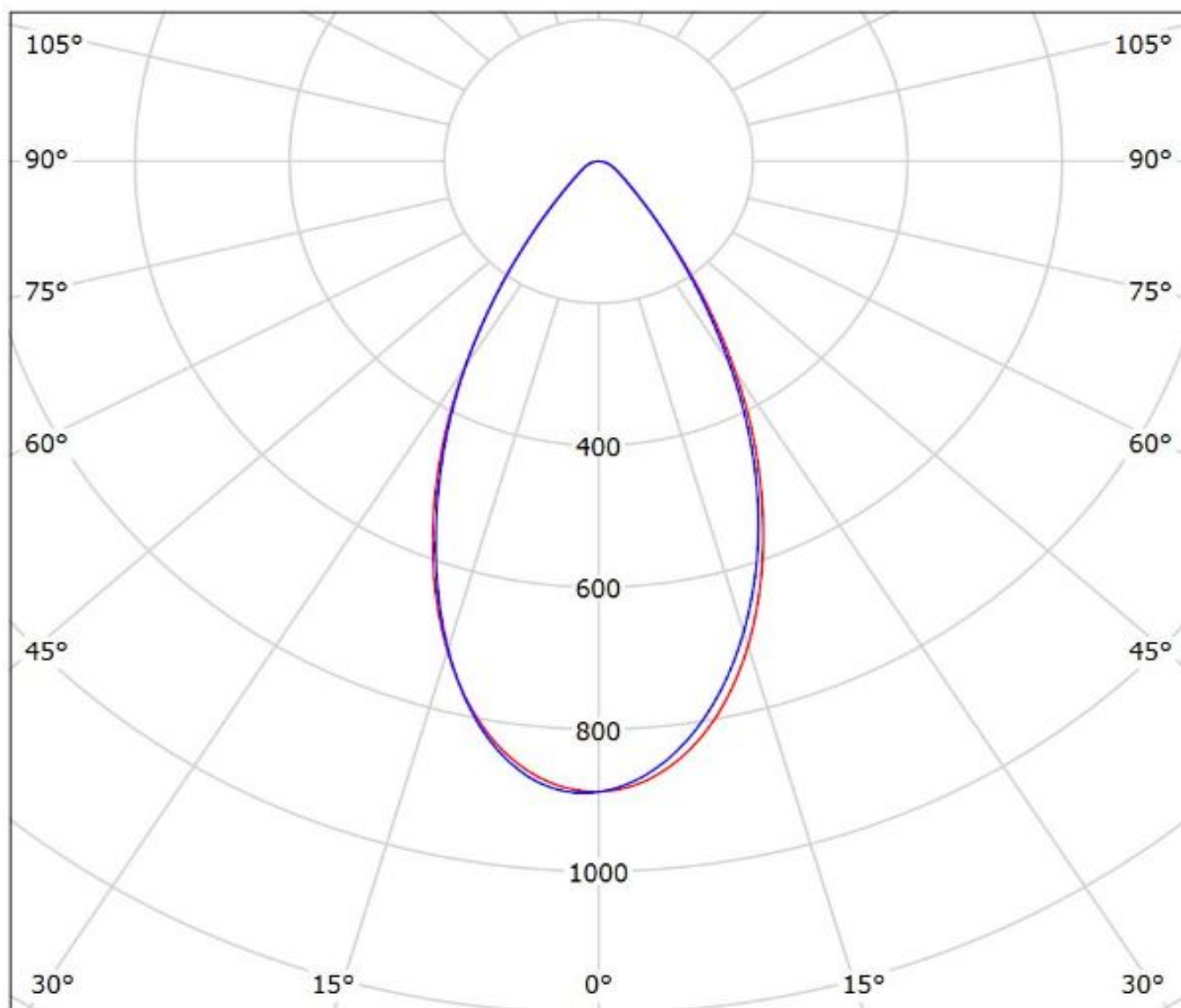
Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (Bridgelux LS 170lm @ 250mA) Efficiency=82%
Lamps: 1 x Bridgelux LS 170lm @ 250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
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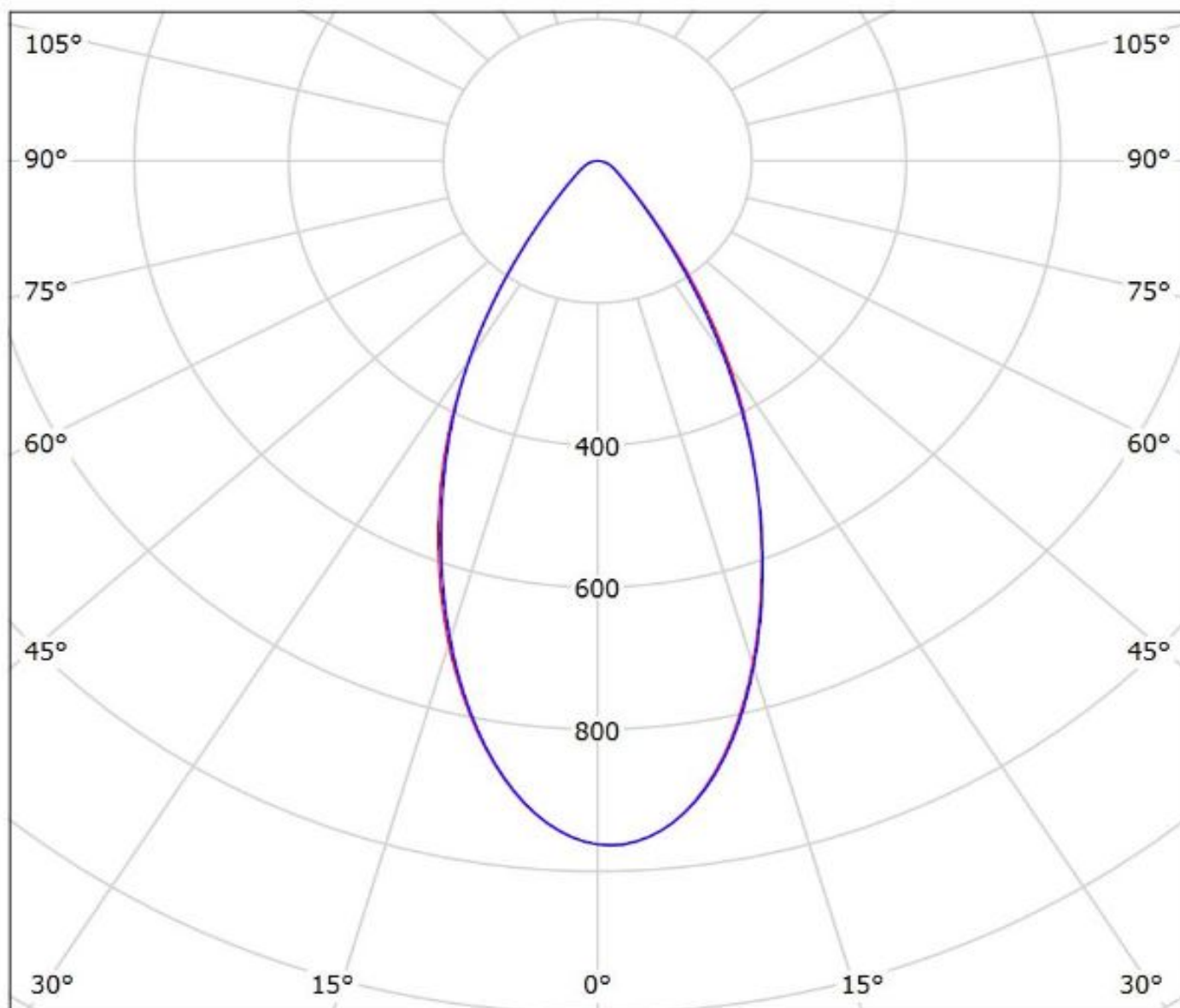


cd/klm
— C0 - C180 — C90 - C270

$\eta = 79\%$

Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(CLU710)

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



cd/klm

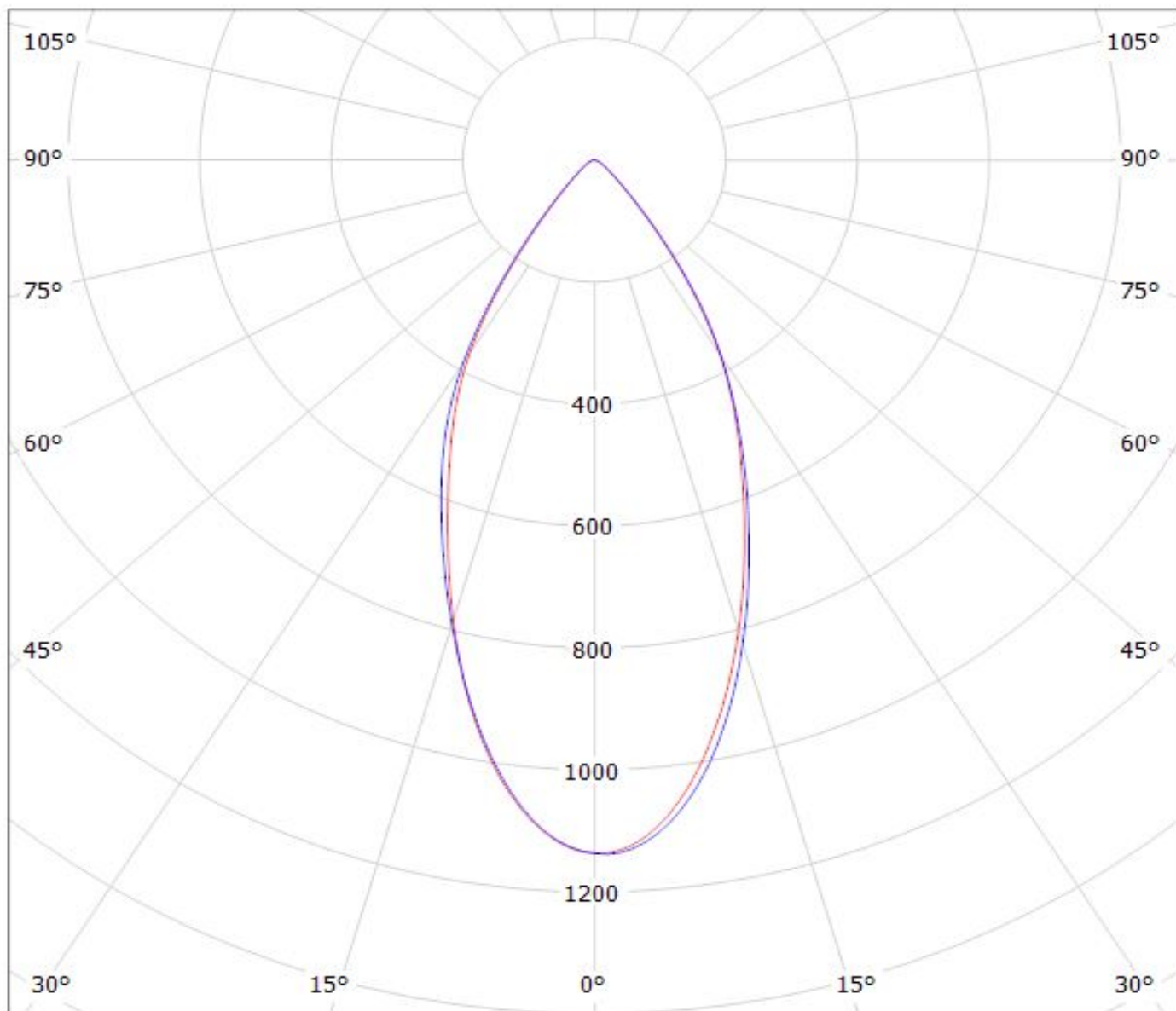
— C0 - C180

— C90 - C270

$\eta = 79\%$

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CLU700)

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



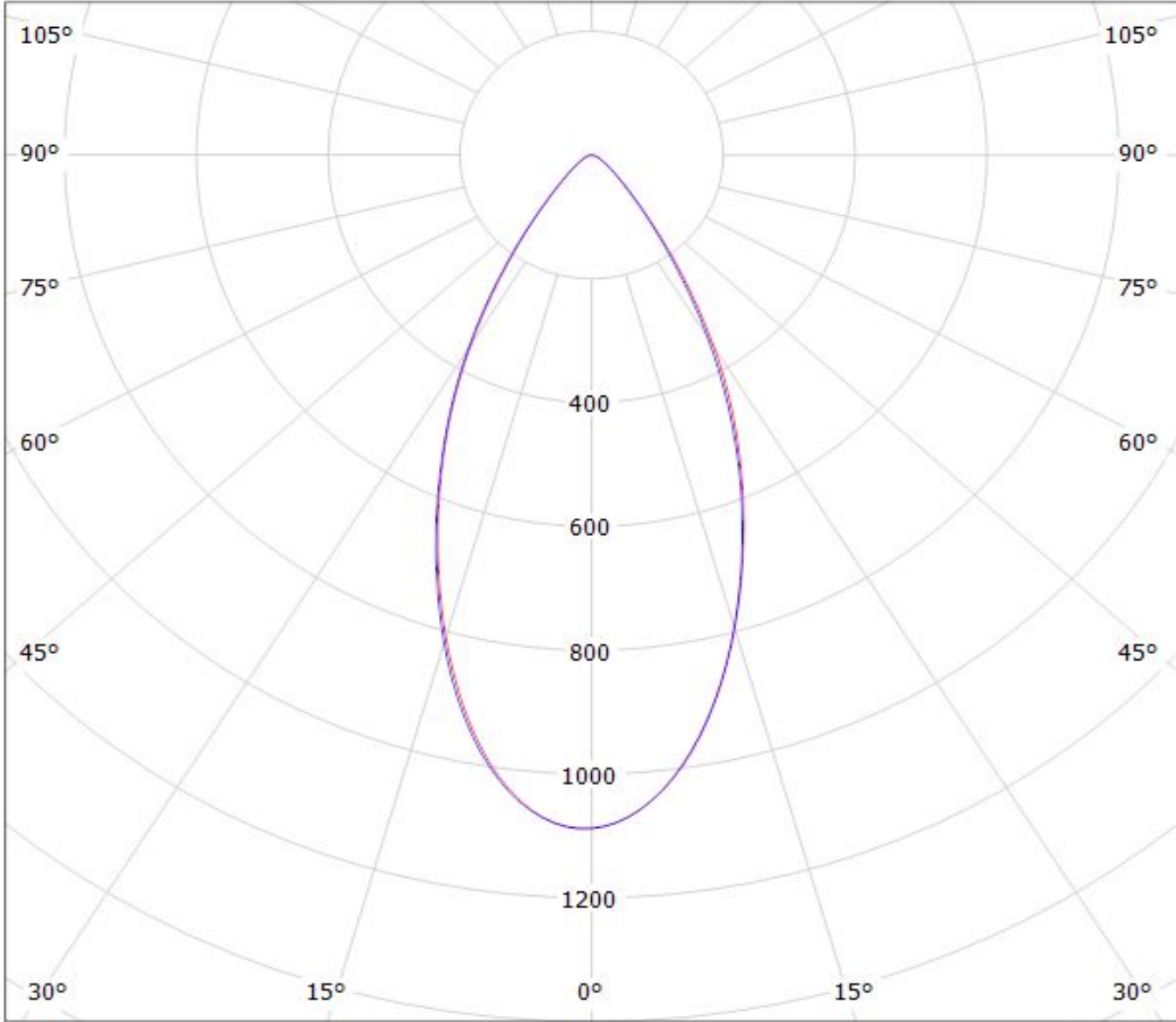
cd/klm

— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: Ledil Oy
Lamps: 1 x CN12485_MIRELLA-50-W-DL_(CLL028)



$\eta = 83\%$

cd/klm

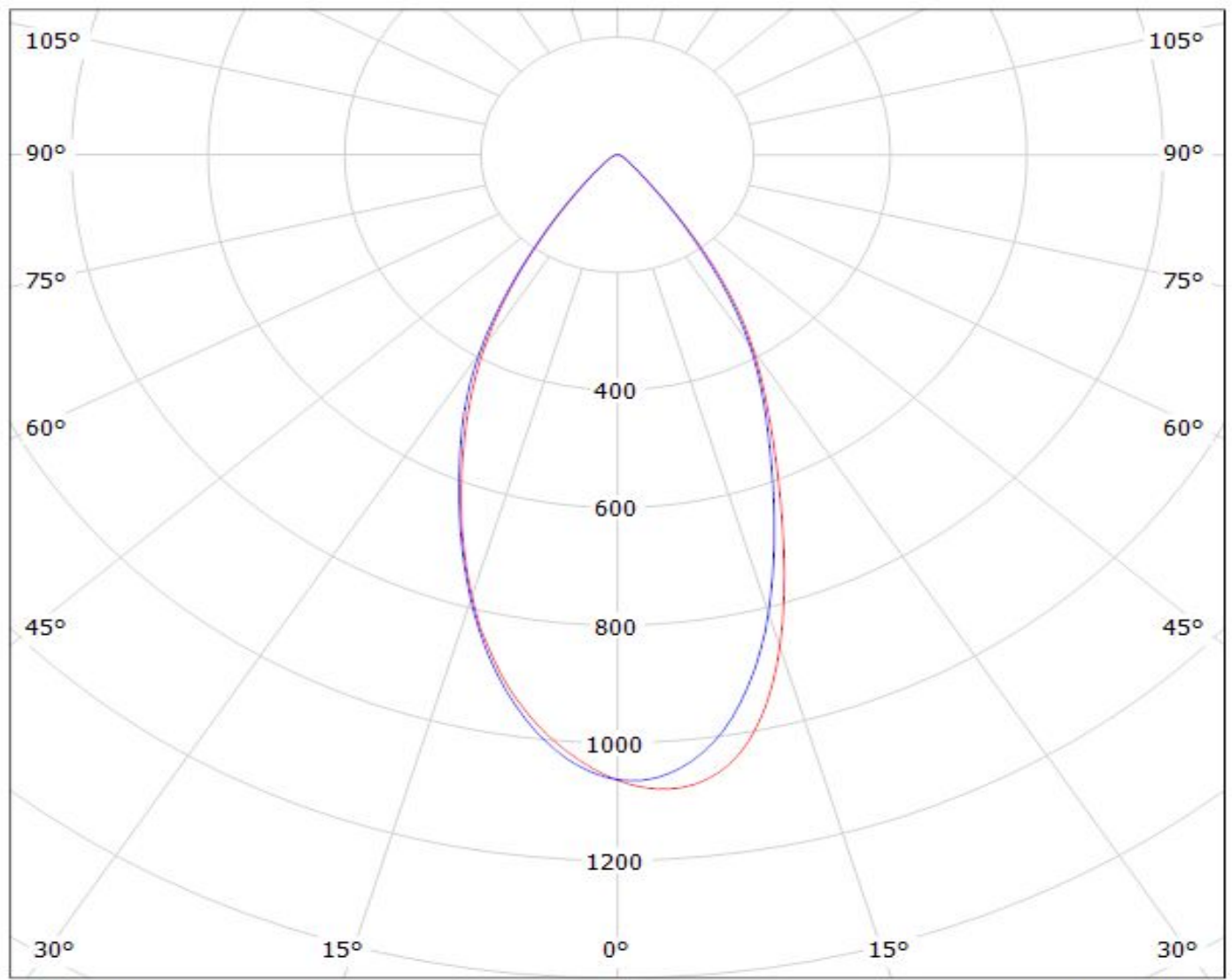
— C0 - C180

— C90 - C270

LEDiL Oy CN12485_MIRELLA-50-W-DL_(MT-G2) Eff.83.2% / LDC (Polar)

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(MT-G2) Eff.83.2%

Lamps: 1 x MT-G2 (170lm@250mA)



cd/klm

— C0 - C180

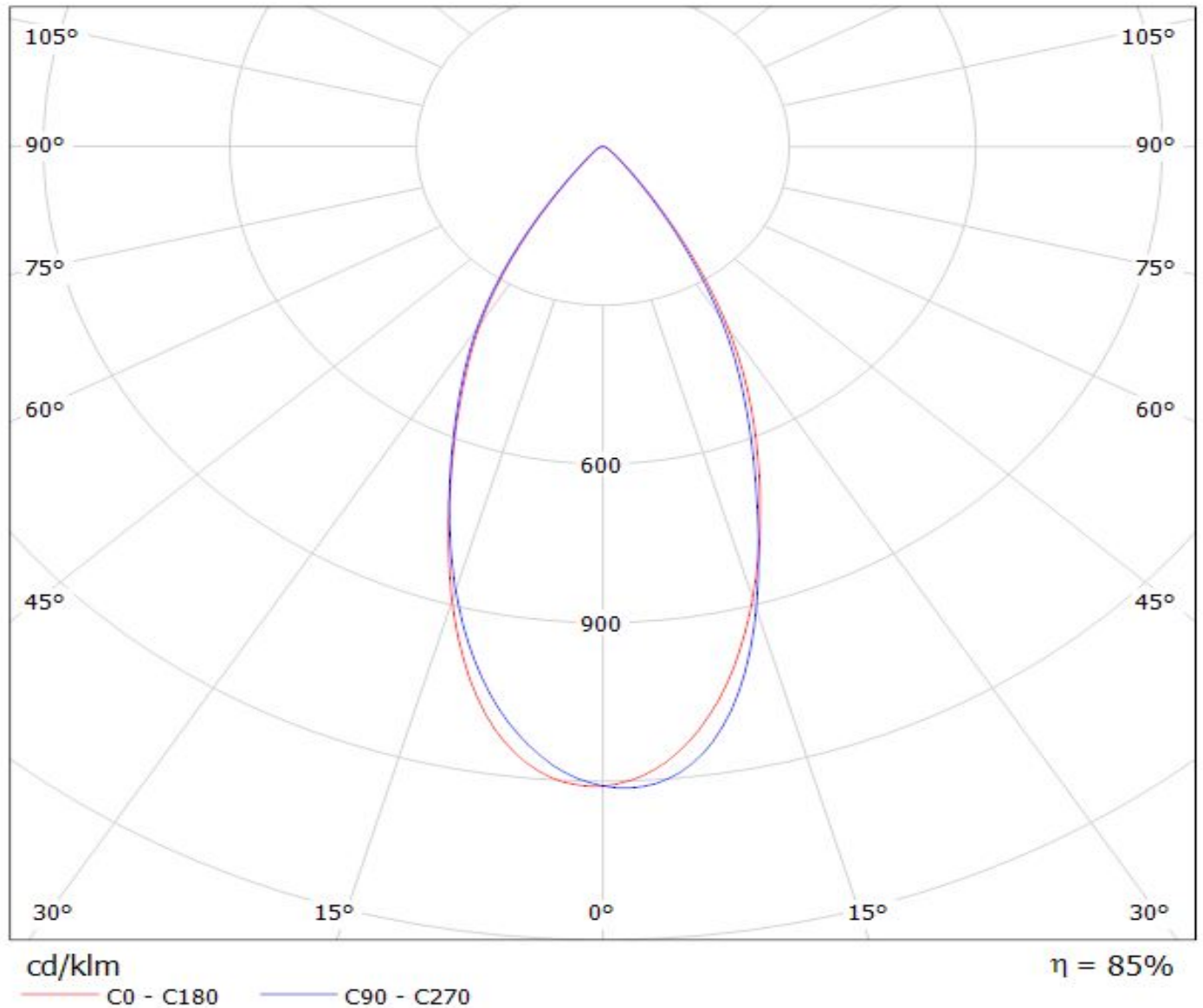
— C90 - C270

$\eta = 83\%$

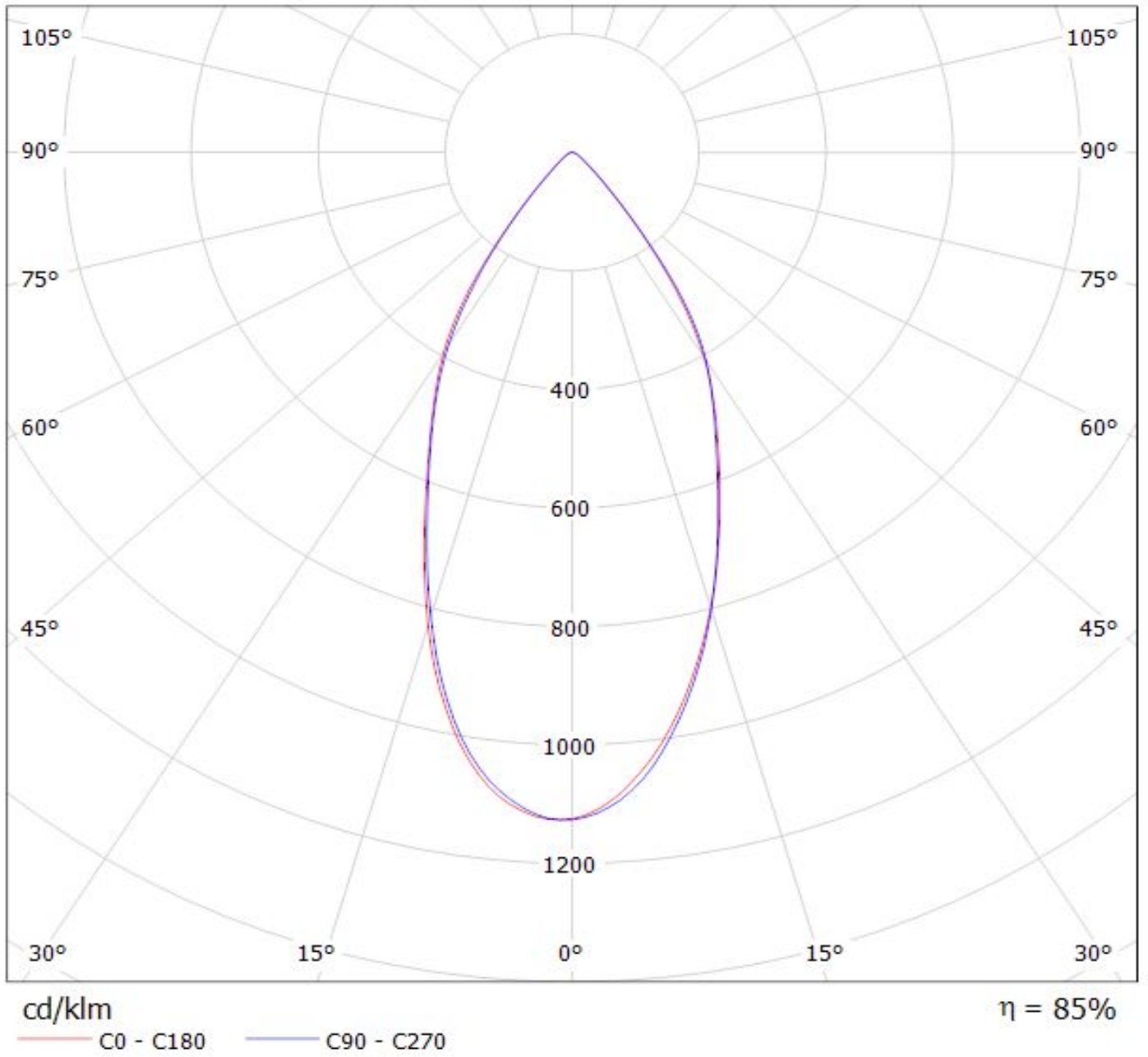
LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXA1507) Eff.84.8% / LDC (Polar)

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXA1507) Eff.84.8%

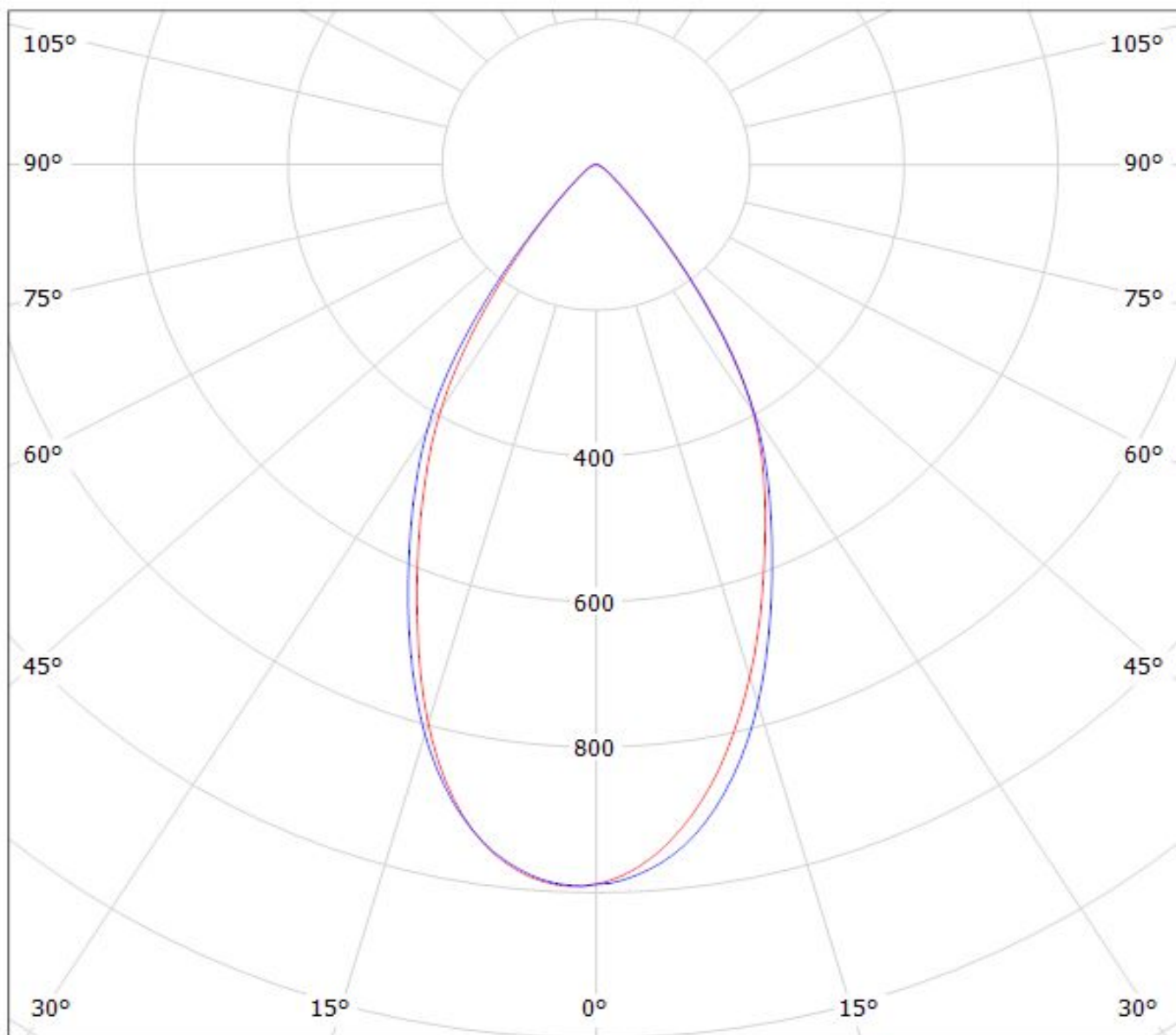
Lamps: 1 x CREE_CXA1507 (CXA1507-30F-F2-N0A-00000) 238.378lm@50mA CCT=3000K P=1.8506W I=54.5mA



Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A



Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



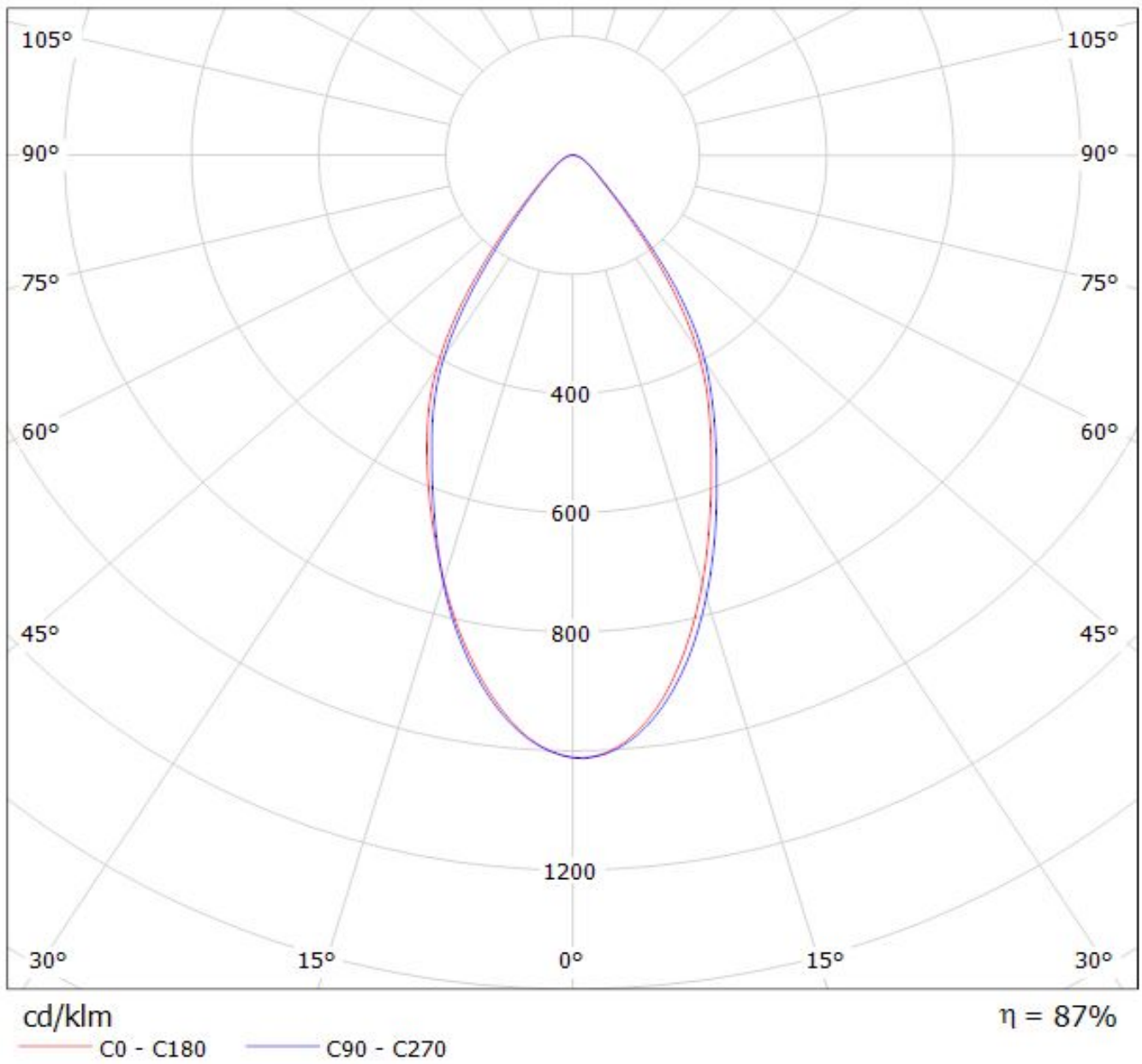
cd/klm

— C0 - C180

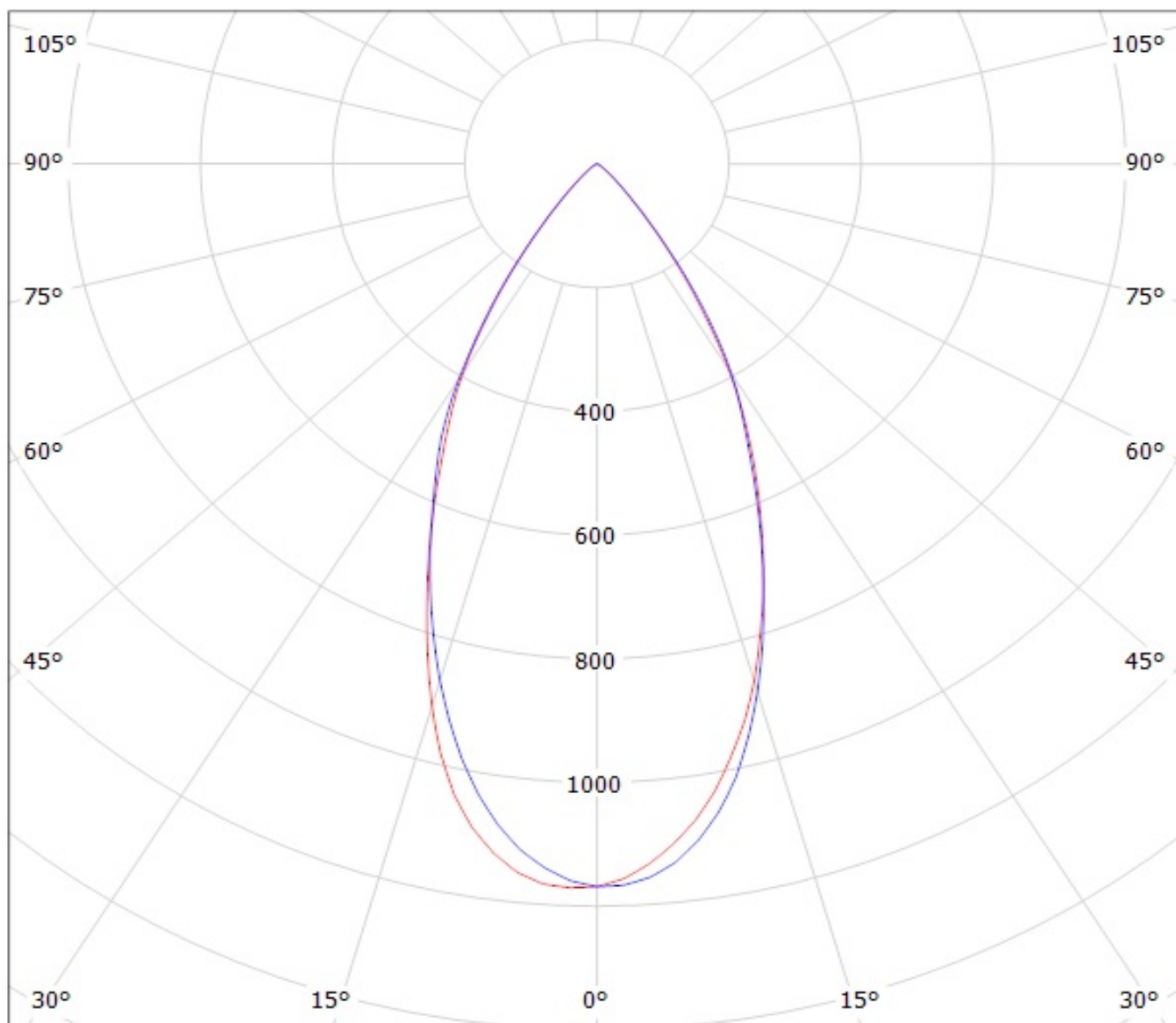
— C90 - C270

$\eta = 84\%$

Luminaire: Ledil CN12485_MIRELLA-50-W-DL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL_(Luxeon_CoB_1203) Efficiency=84%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P=8.7W I=250mA



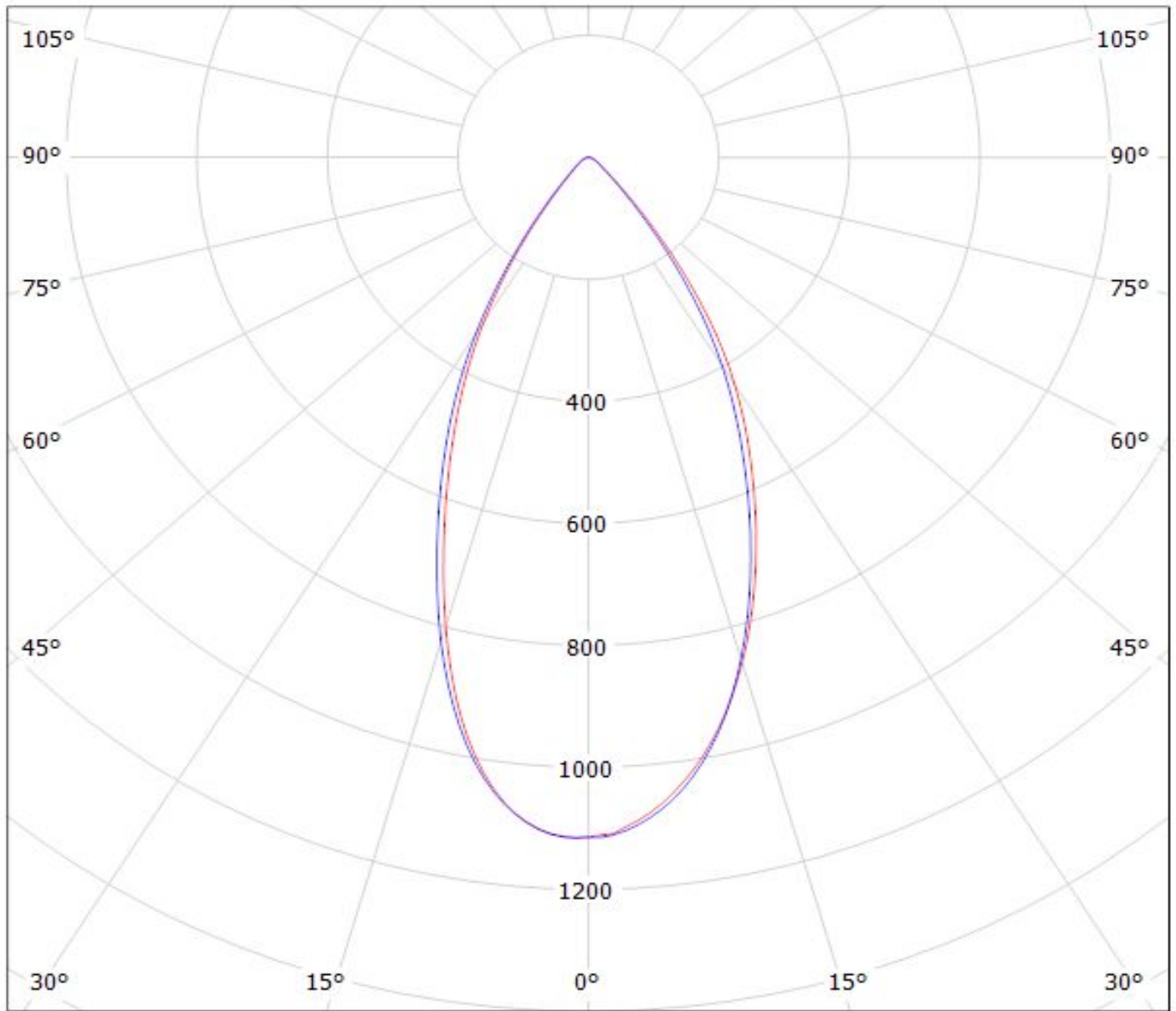
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(CXM-9)

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



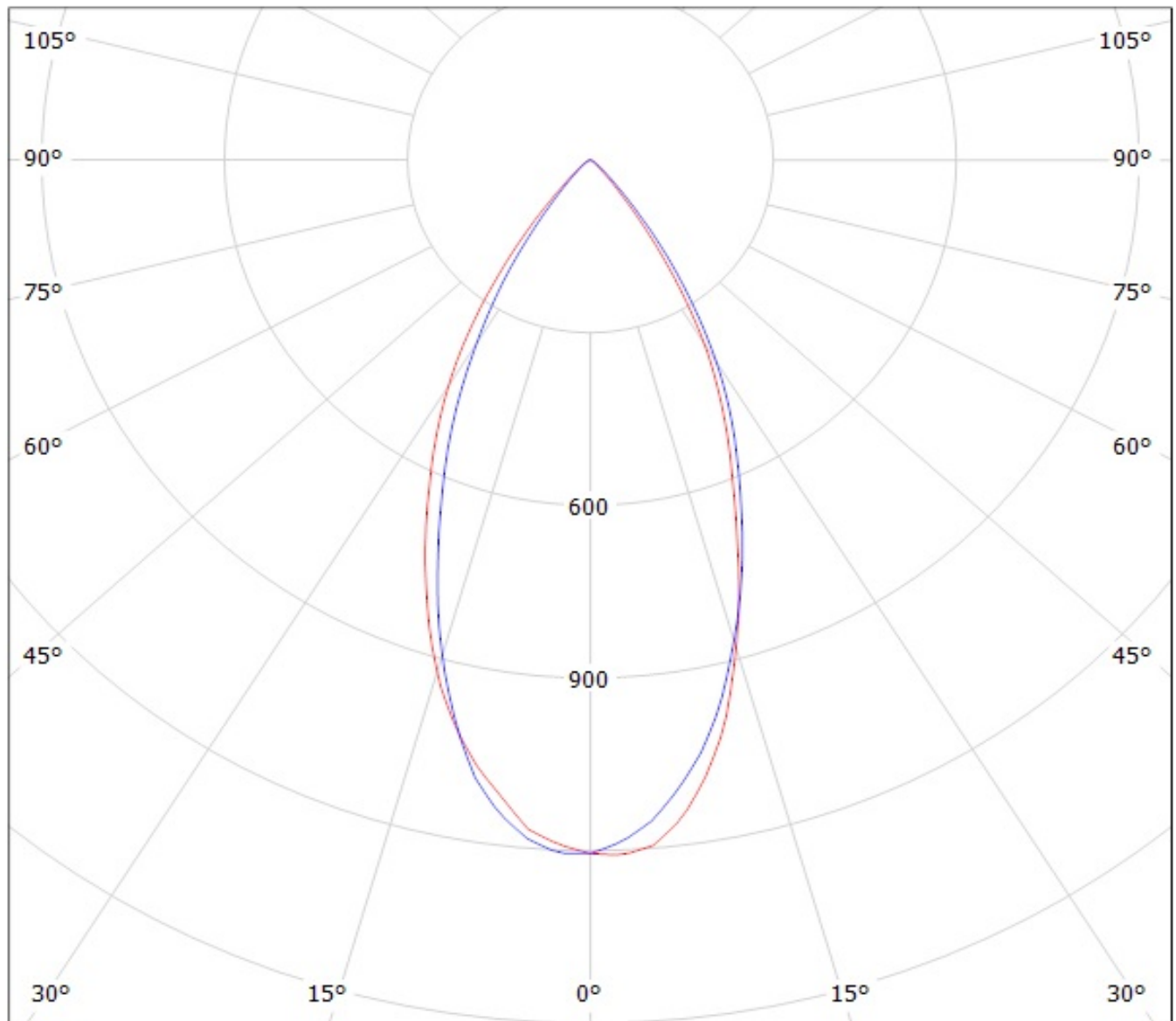
cd/klm

$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (NSBxL066A 930lm @ 250mA) Efficiency=83%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA

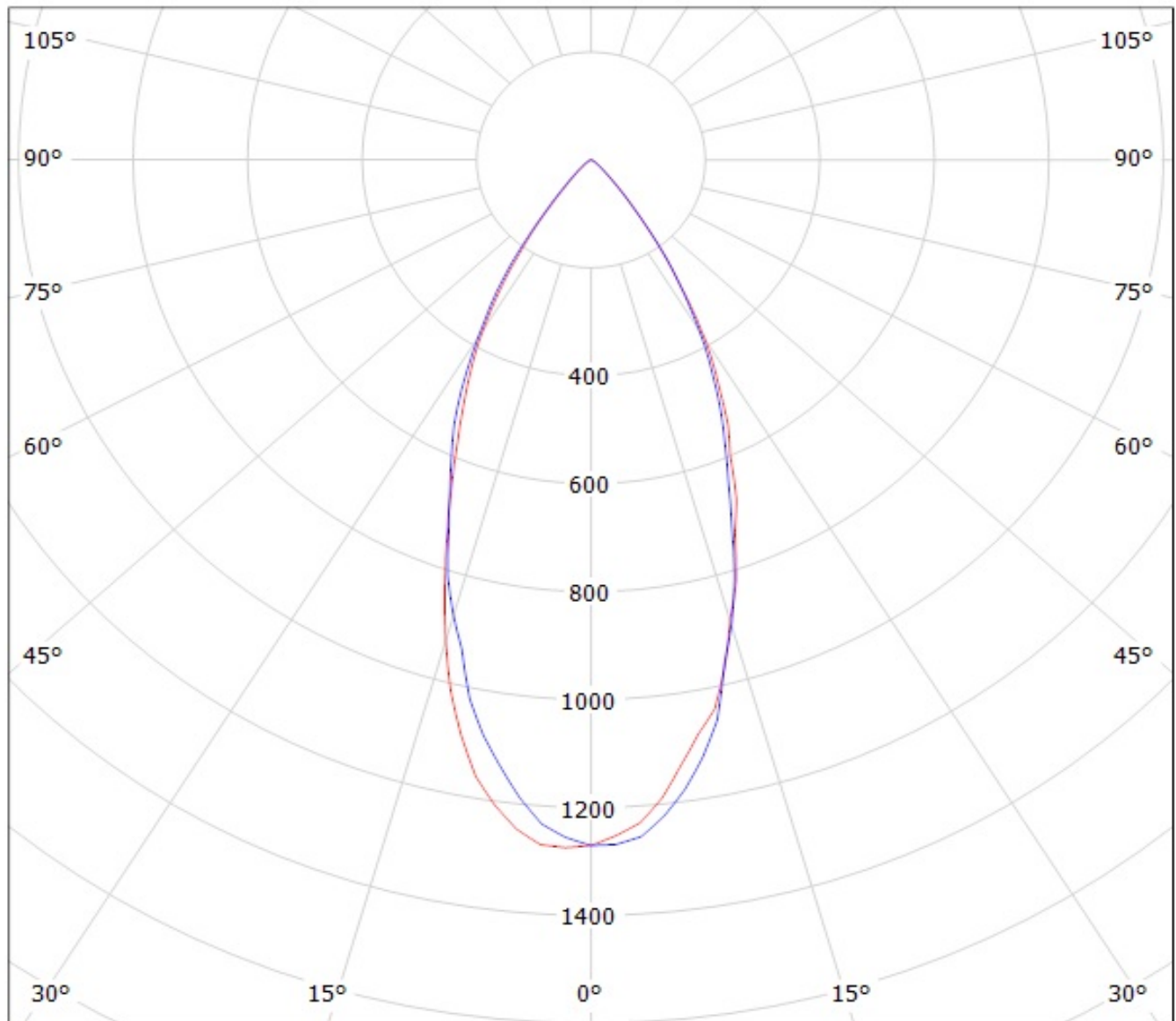


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=83%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

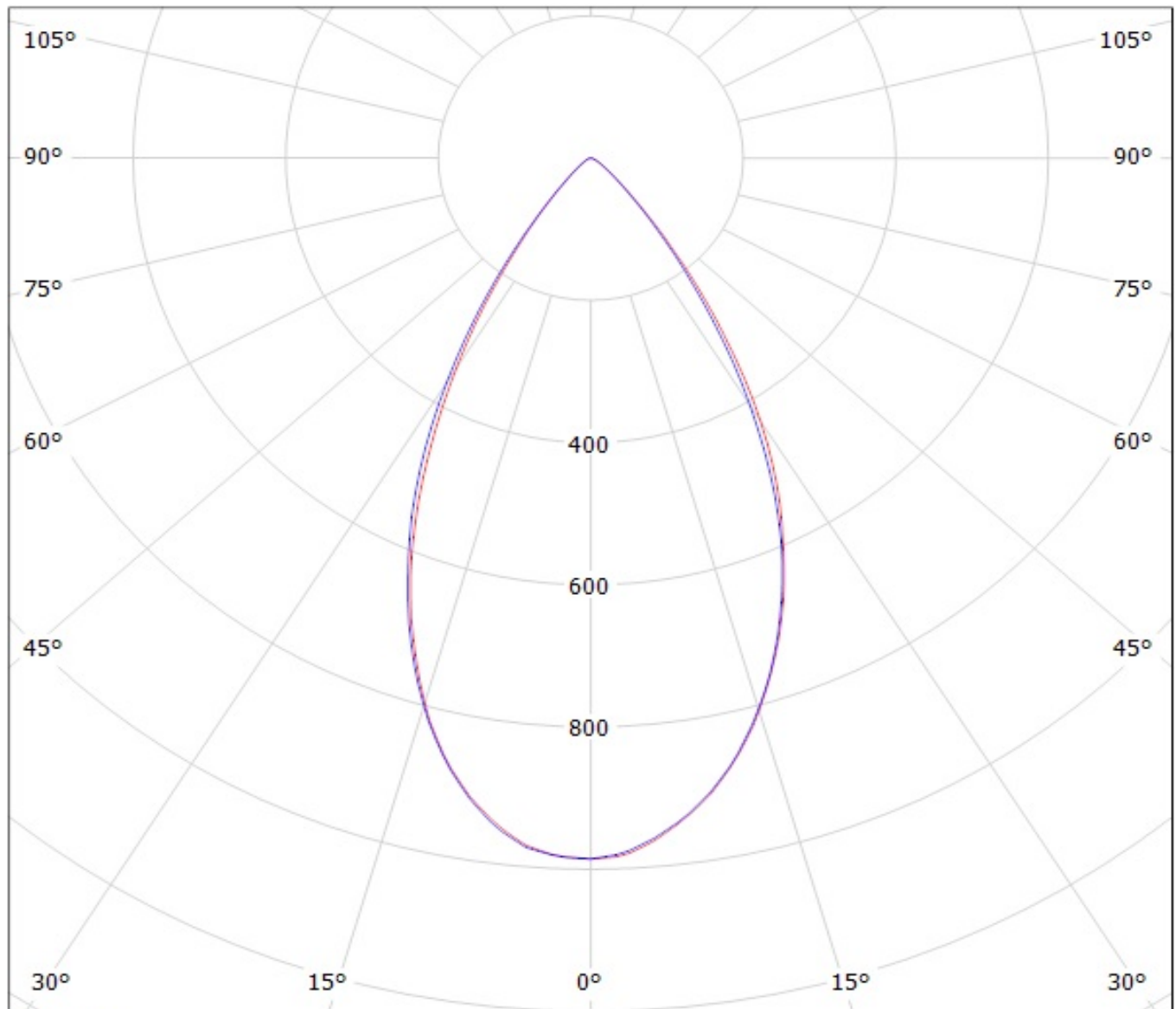


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CN12485_MIRELLA-50-W-DL_(Soleriq-S13) Efficiency=81%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA

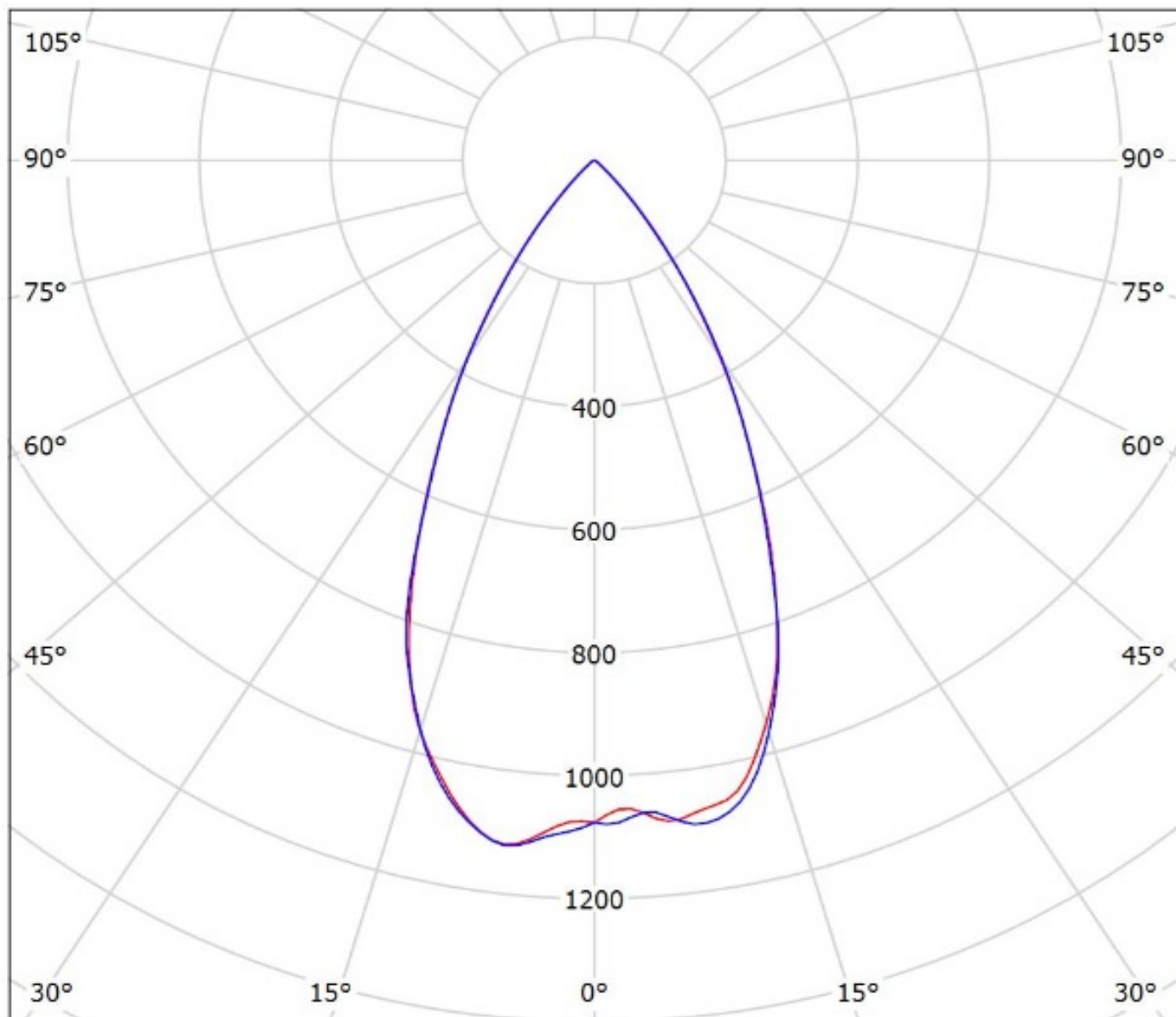


cd/klm

— C0 - C180

— C90 - C270

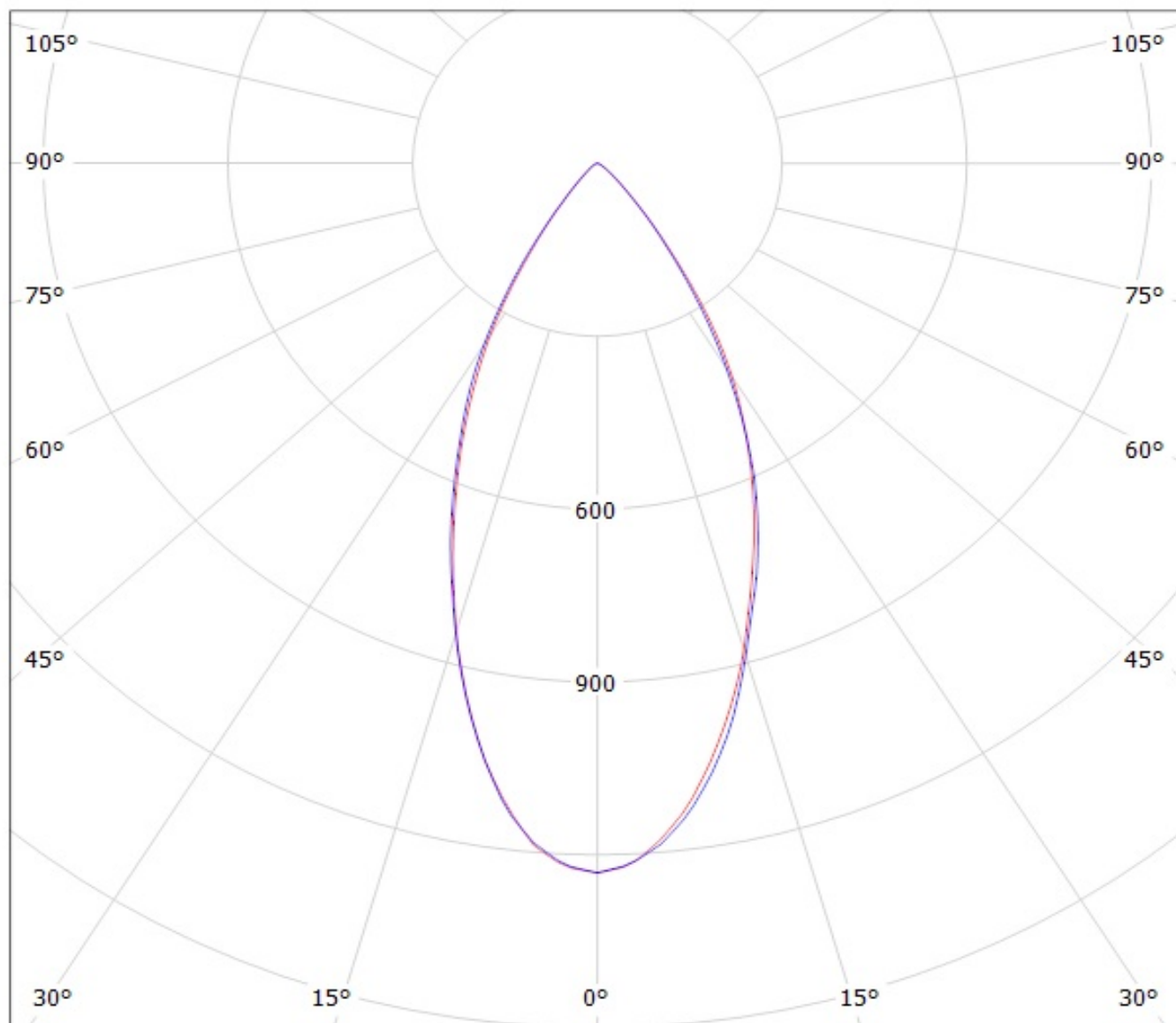
Luminaire: Ledil Oy CN12485_MIRELLA-50-W-DL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



cd/klm
— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: LEDil Oy CN12485_MIRELLA-50-W-DL_(ZC6) Efficiency=81%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA

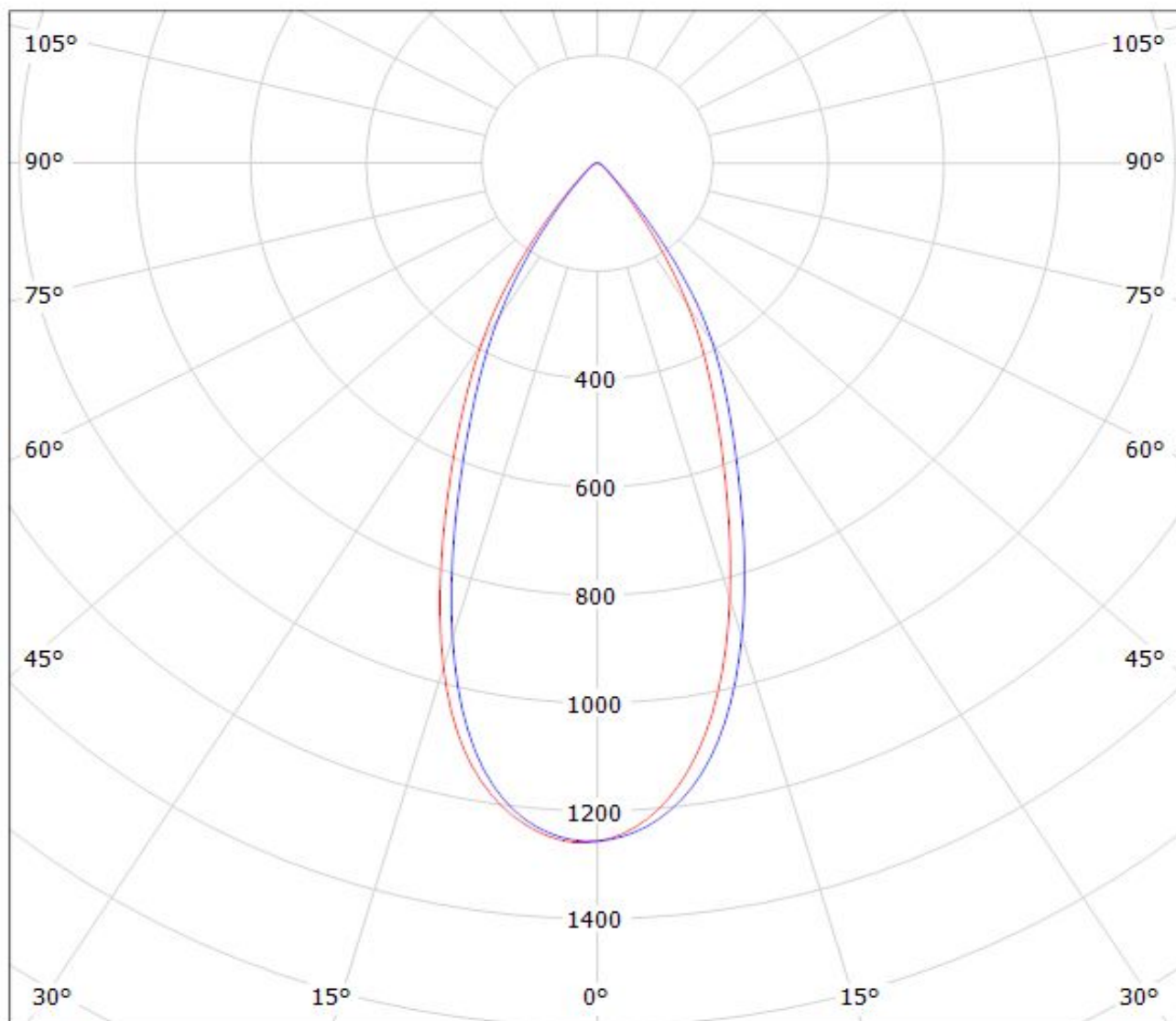


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CN12485_MIRELLA-50-W-DL_(MiniZenigata) Eff.83.6%
Lamps: 1 x Mini Zenigata (387.5lm@250mA)

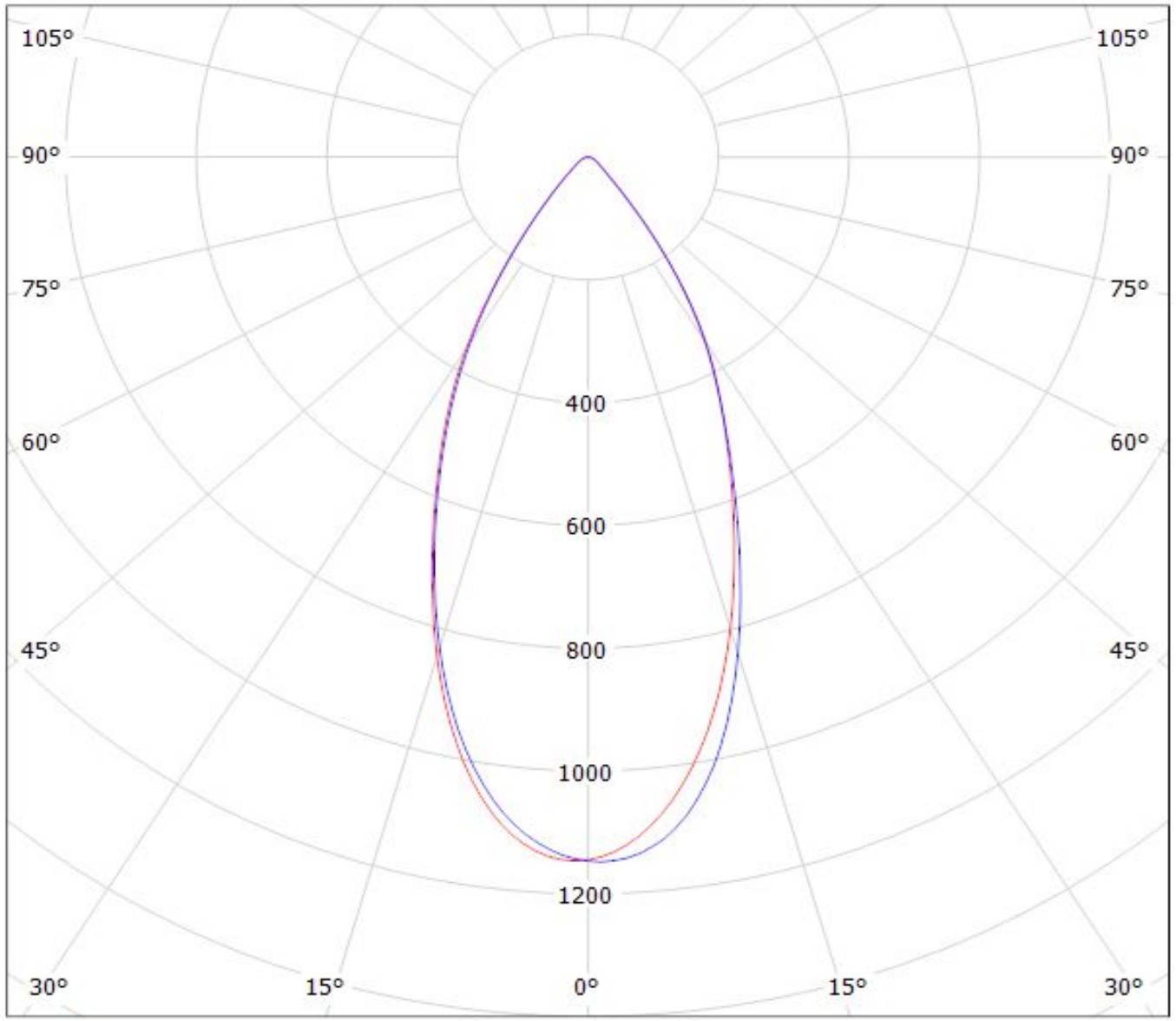


cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN12485_MIRELLA-50-W-DL_(Mini_Zenigata) Eff.81.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



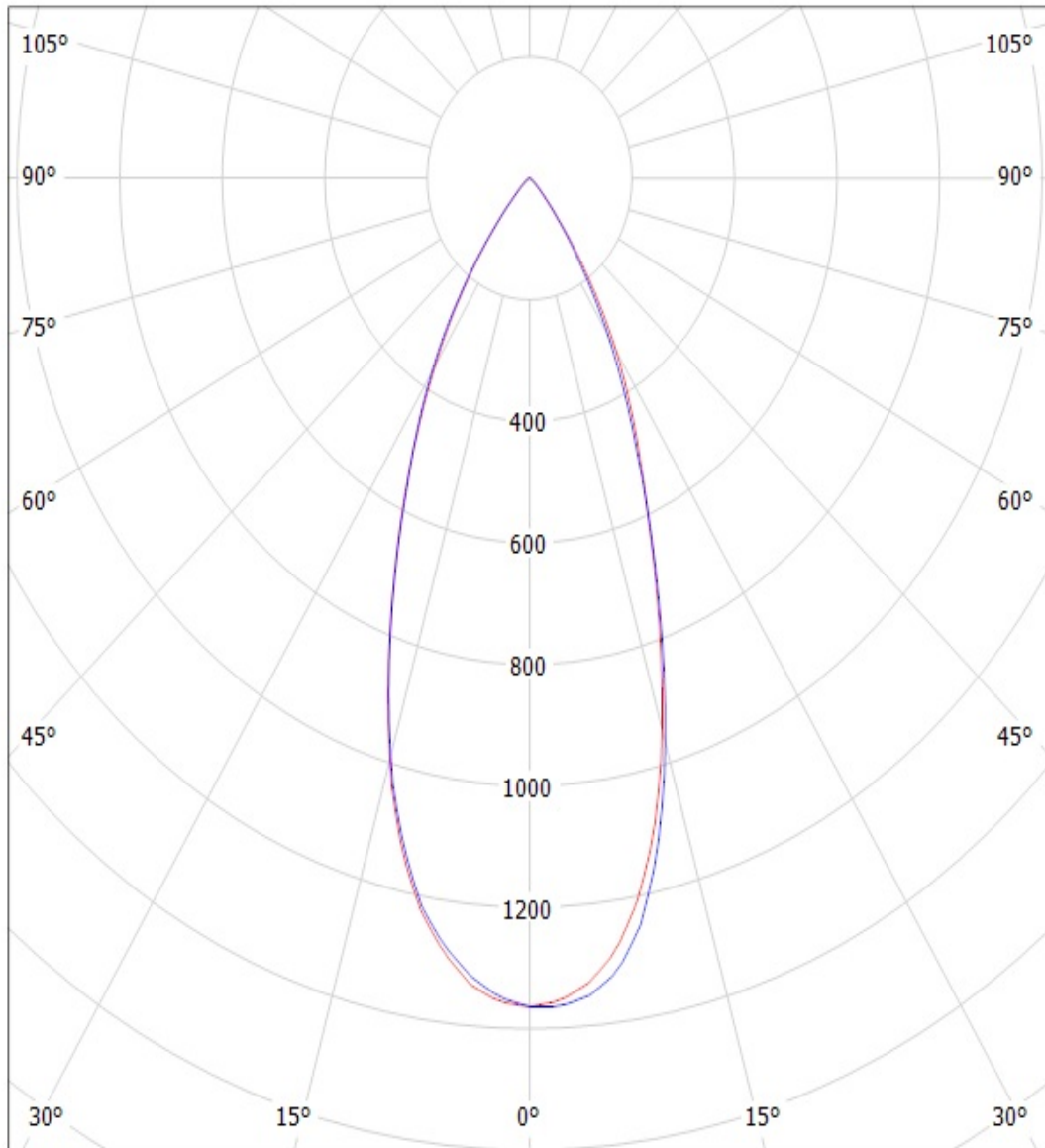
cd/klm

$\eta = 81\%$

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CN12485_MIRELLA-50-W-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.