

DETAILS

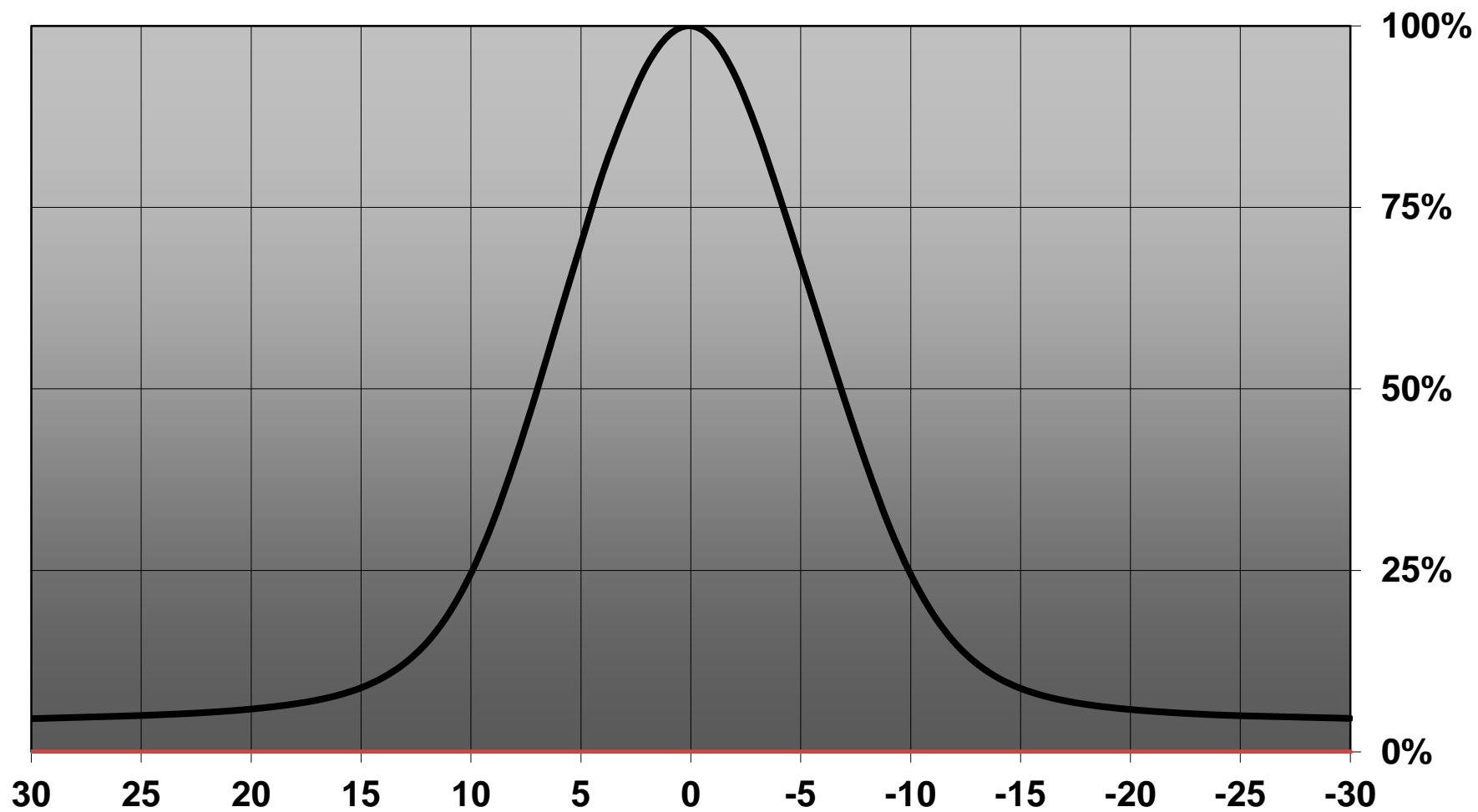
Product Number	CN13517_MIRELLA-50-S-CL
Family	Mirella
Type	RefPack
Color	metal
Diameter	49,9 mm
Height	23,9 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue
Status	production ready
ROHS Compliant	Yes
Date Updated	1/11/2016



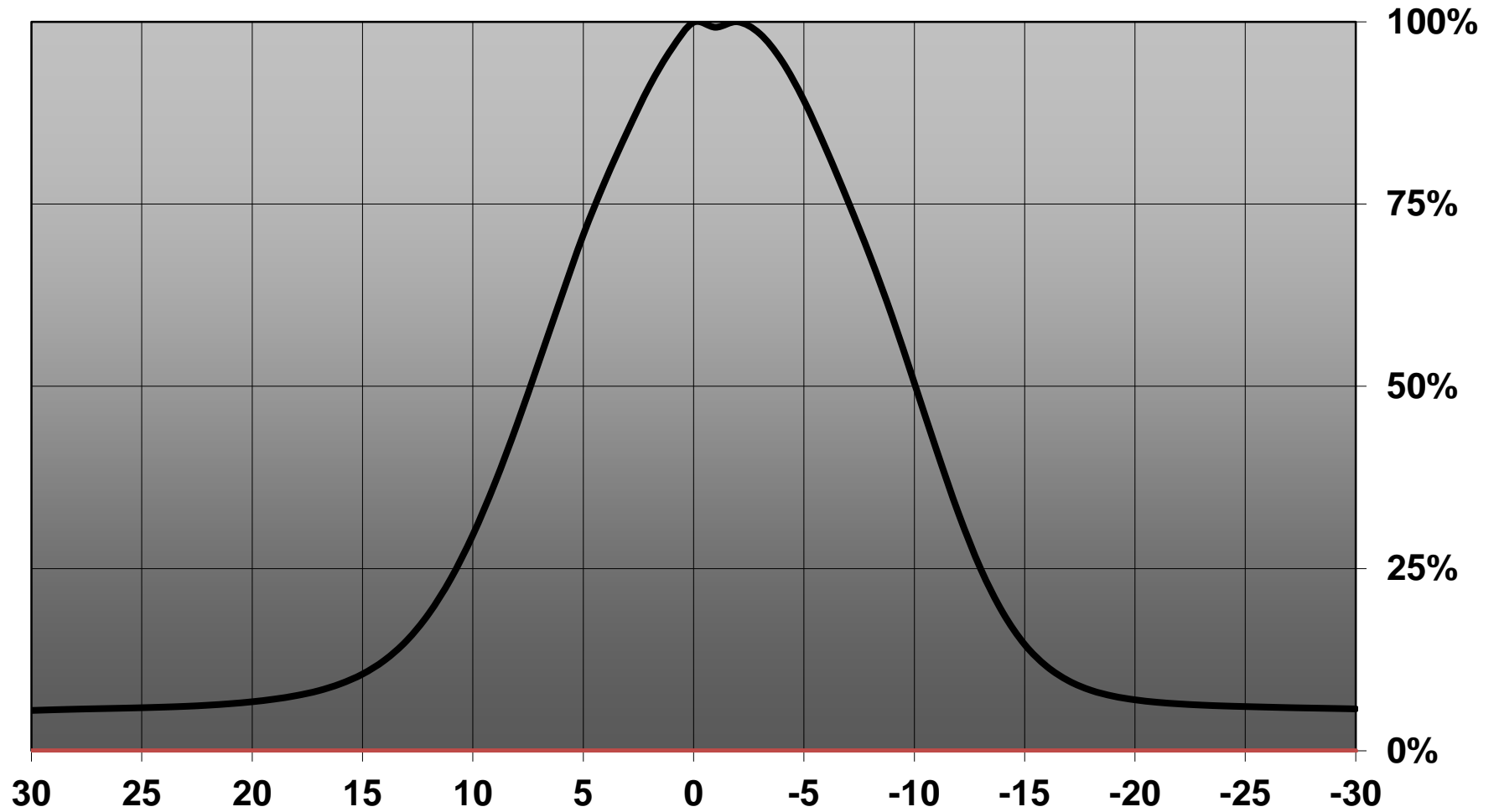
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
BXRA LS	14 deg	Spot	84 %	6.700	-
CLL01x	17 deg	Spot	84 %	5.500	-
CLL02x/CLU02x (LES10)	19 deg	Spot	84 %	3.600	-
CLU720/721	25 deg	Spot	85 %	2.500	-
CLU710/711	20 deg	Spot	85 %	3.400	-
CLU700/701	15 deg	Spot	85 %	5.900	-
CXA/B 15xx	19 deg	Spot	84 %	4.300	-
MT-G2	18 deg	Spot	85 %	4.700	-
CXA/B 13xx	12 deg	Spot	82 %	8.500	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	25 deg	Spot	83 %	2.900	-
XHP50	14 deg	Spot	86 %	6.200	-
XHP70	18 deg	Spot	86 %	4.800	-
MHD-E/G	18 deg	Spot	89 %	4.200	-
COB 4W	15 deg	Spot	85 %	6.300	-
LUXEON S1000	14 deg	Spot	84 %	5.500	-
LUXEON CoB 1202/1203	21 deg	Spot	86 %	3.600	-
COB L-Type (LES 9)	22 deg	Spot	87 %	3.700	-
NSCxL036A	17 deg	Spot	84 %	5.000	-
Soleriq S13	28 deg	Spot	82 %	2.300	-
Duris S10	15 deg	Spot	83 %	6.700	-
Soleriq S9	sim: 20	Spot	sim: 87 %	sim: 3.900	-
ZC4/6	19 deg	Spot	82 %	4.300	-
STARK SLE PURE G3 LES10	18 deg	Spot	82 %	4.700	-

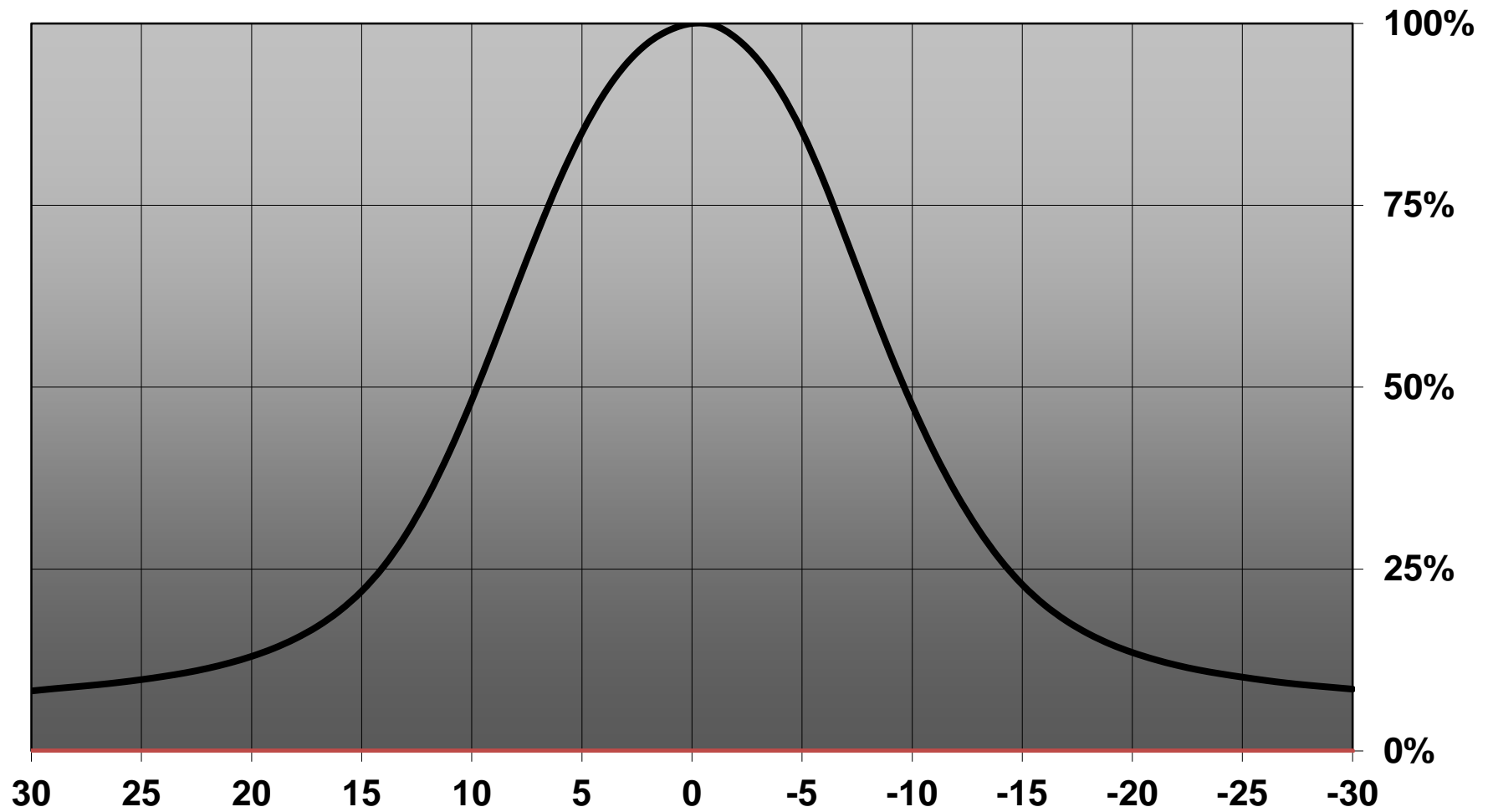
Relative intensity of CN13517_MIRELLA-50-S-CL-(LS)



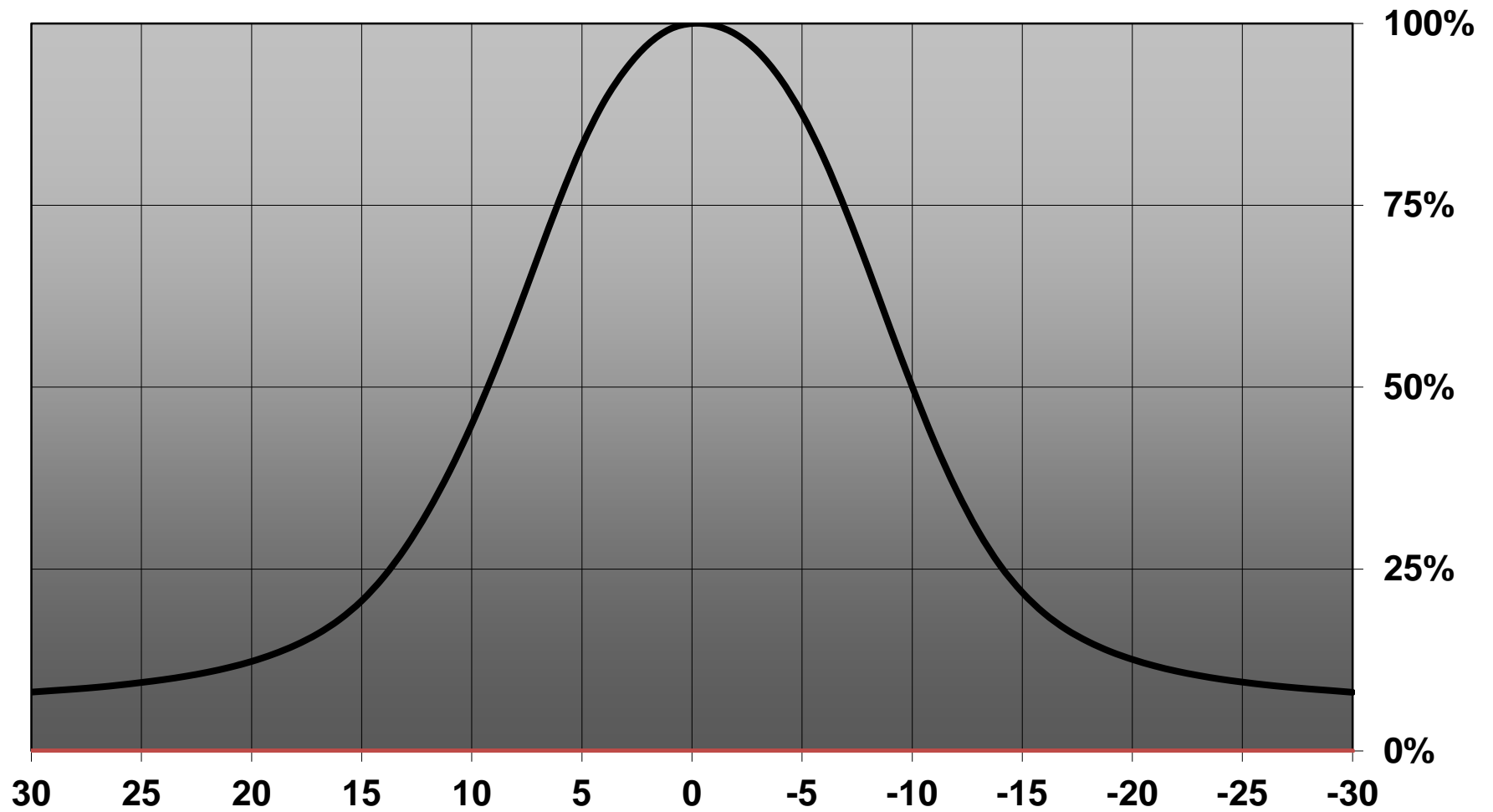
Relative intensity of CN13517_MIRELLA-50-S-CL-(CLL010)



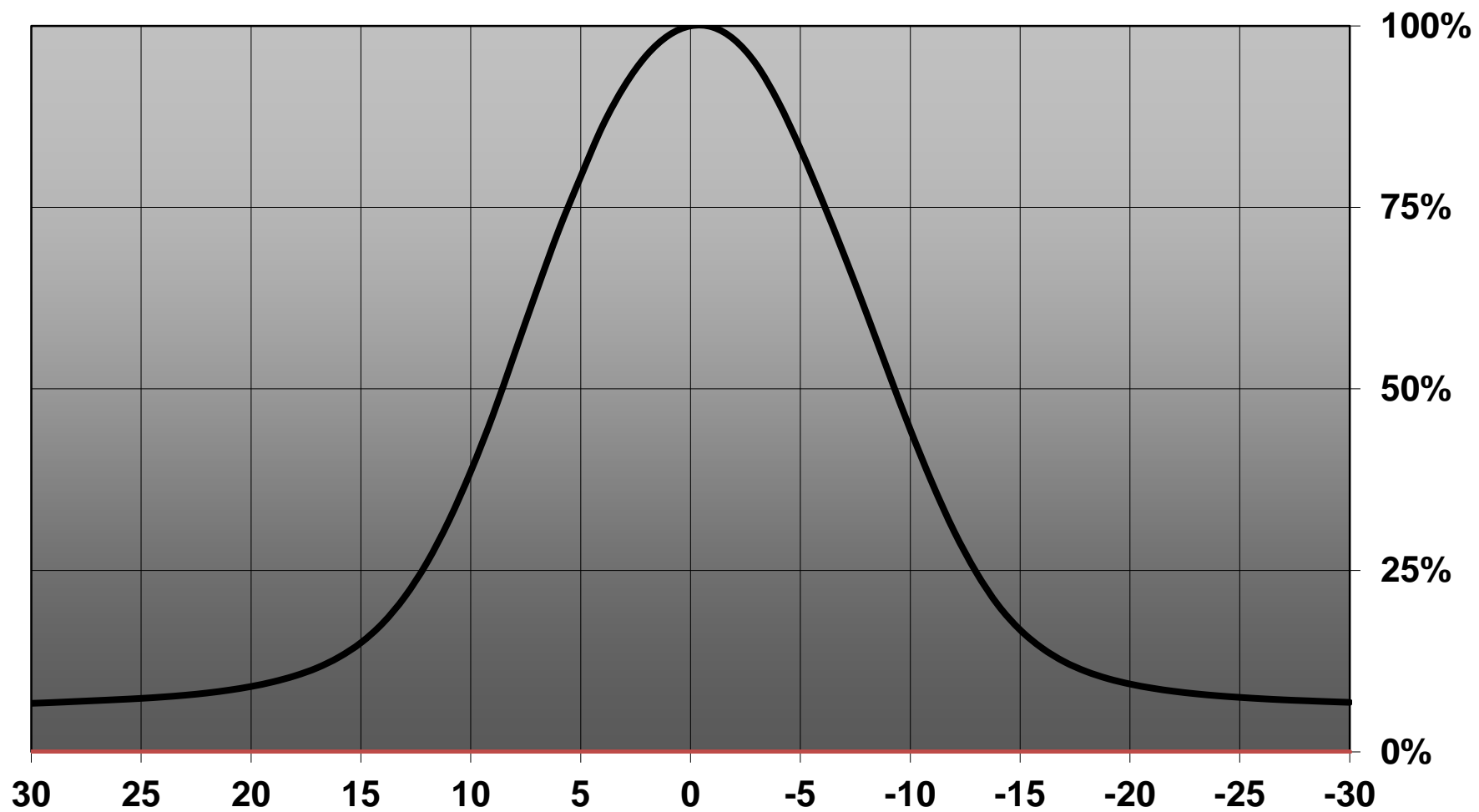
Relative intensity of CN13517_MIRELLA-50-S-CL-(CLL020)



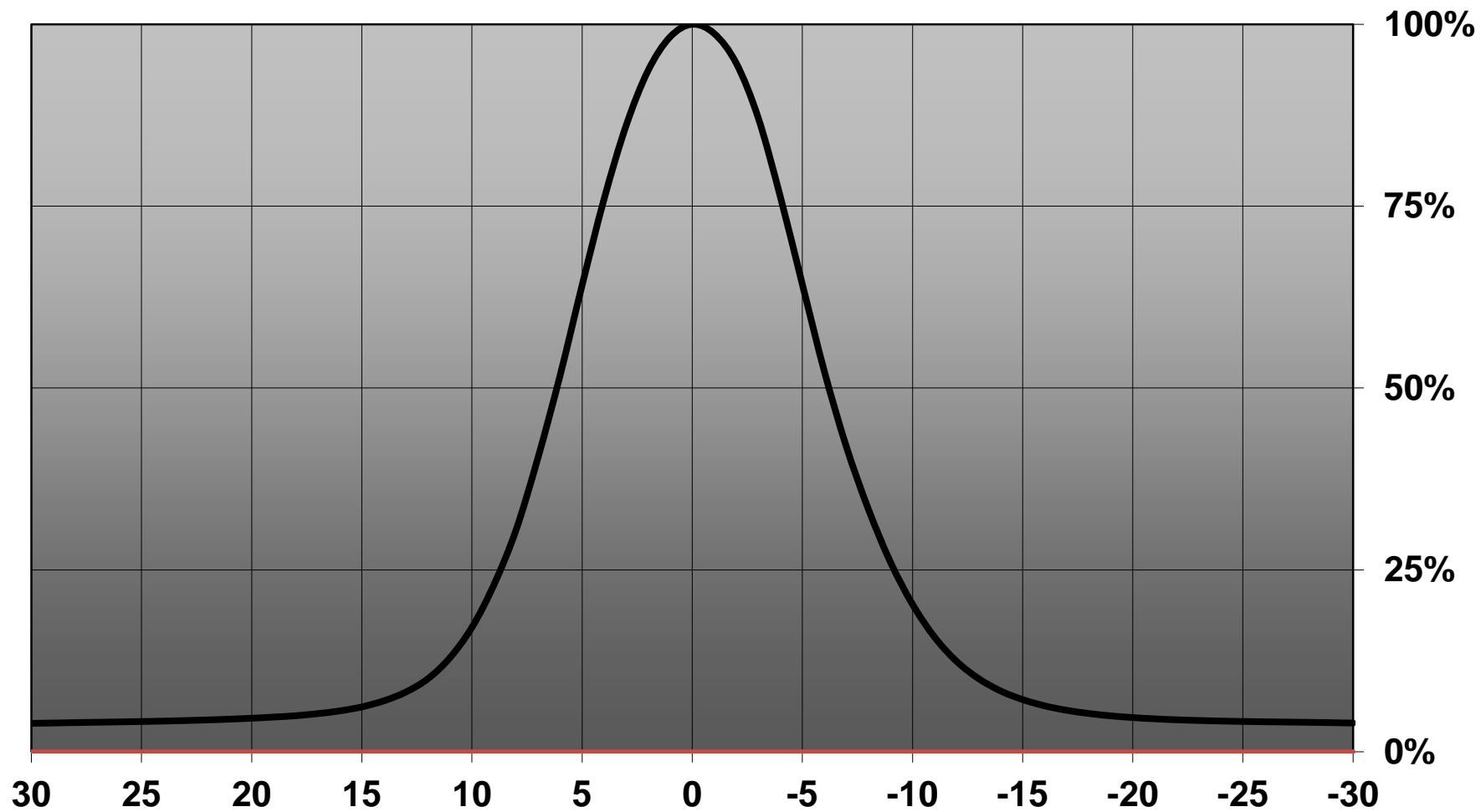
Relative intensity of CN13517_MIRELLA-50-S-CL-(CXA15)



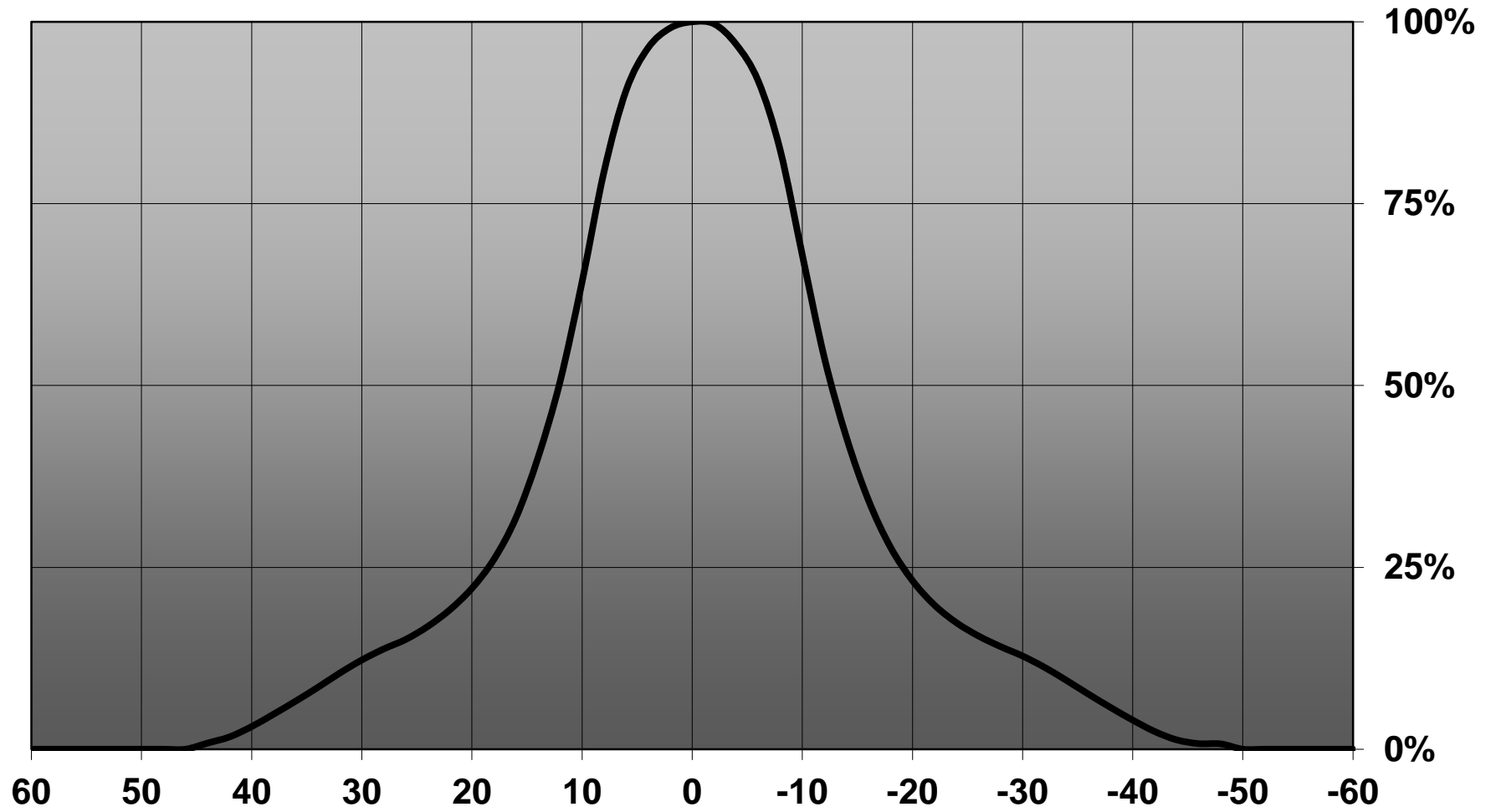
Relative intensity of CN13517_MIRELLA-50-S-CL-(MTG2)



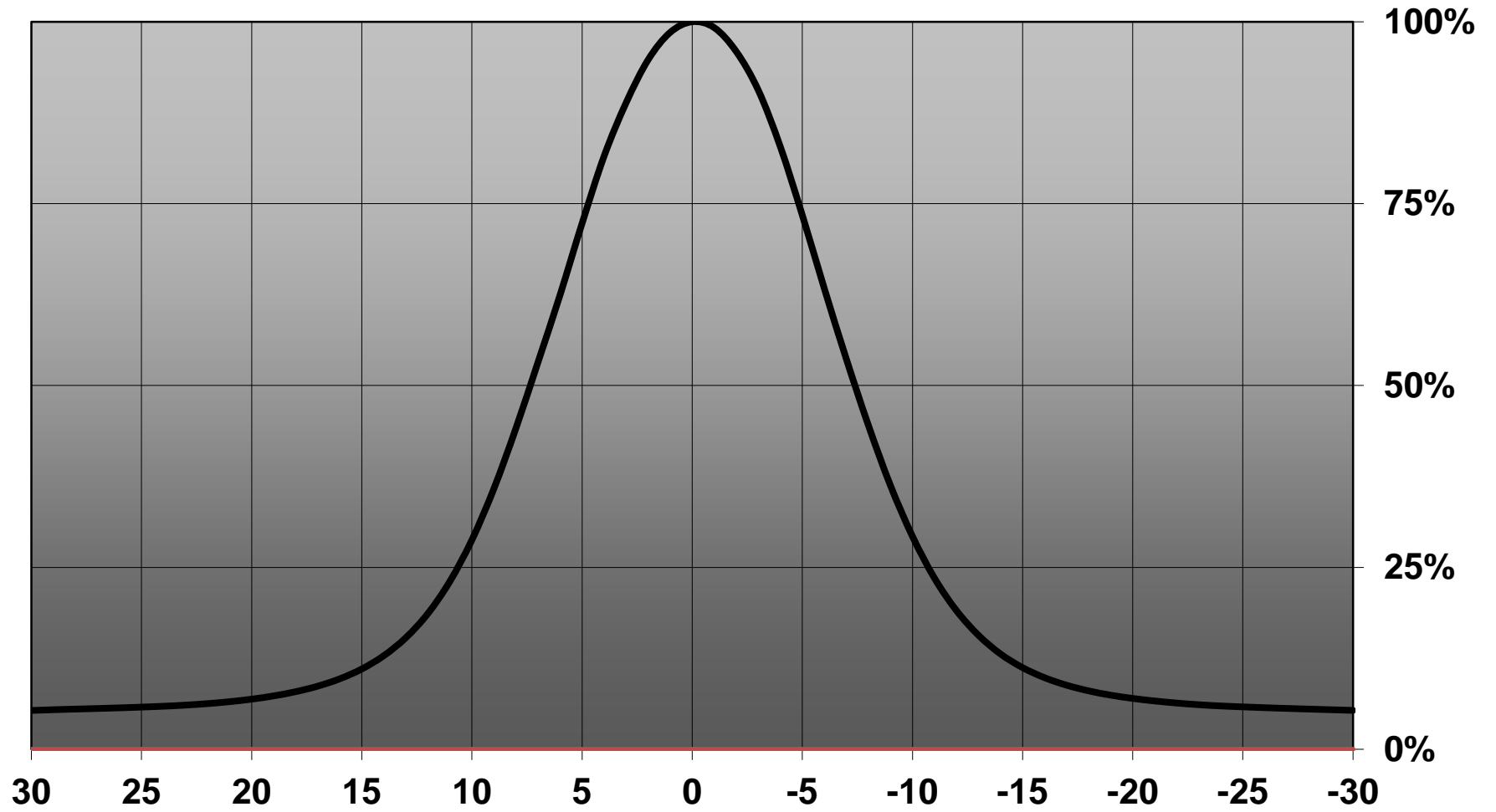
Relative intensity of CN13517_MIRELLA-50-S-CL_(CXA1304)



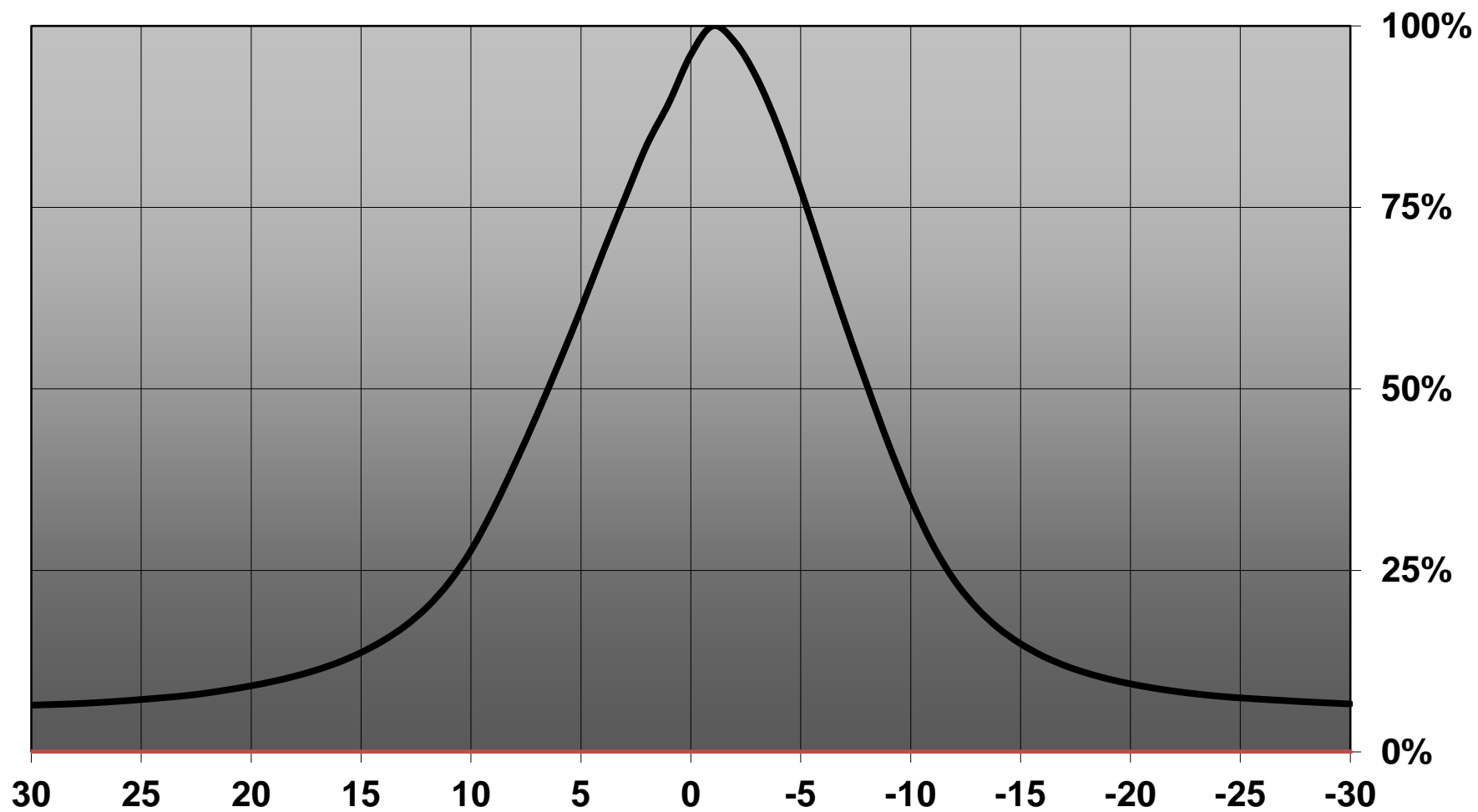
Relative intensity of CN13517_MIRELLA-50-S-CL_(CXA1816)



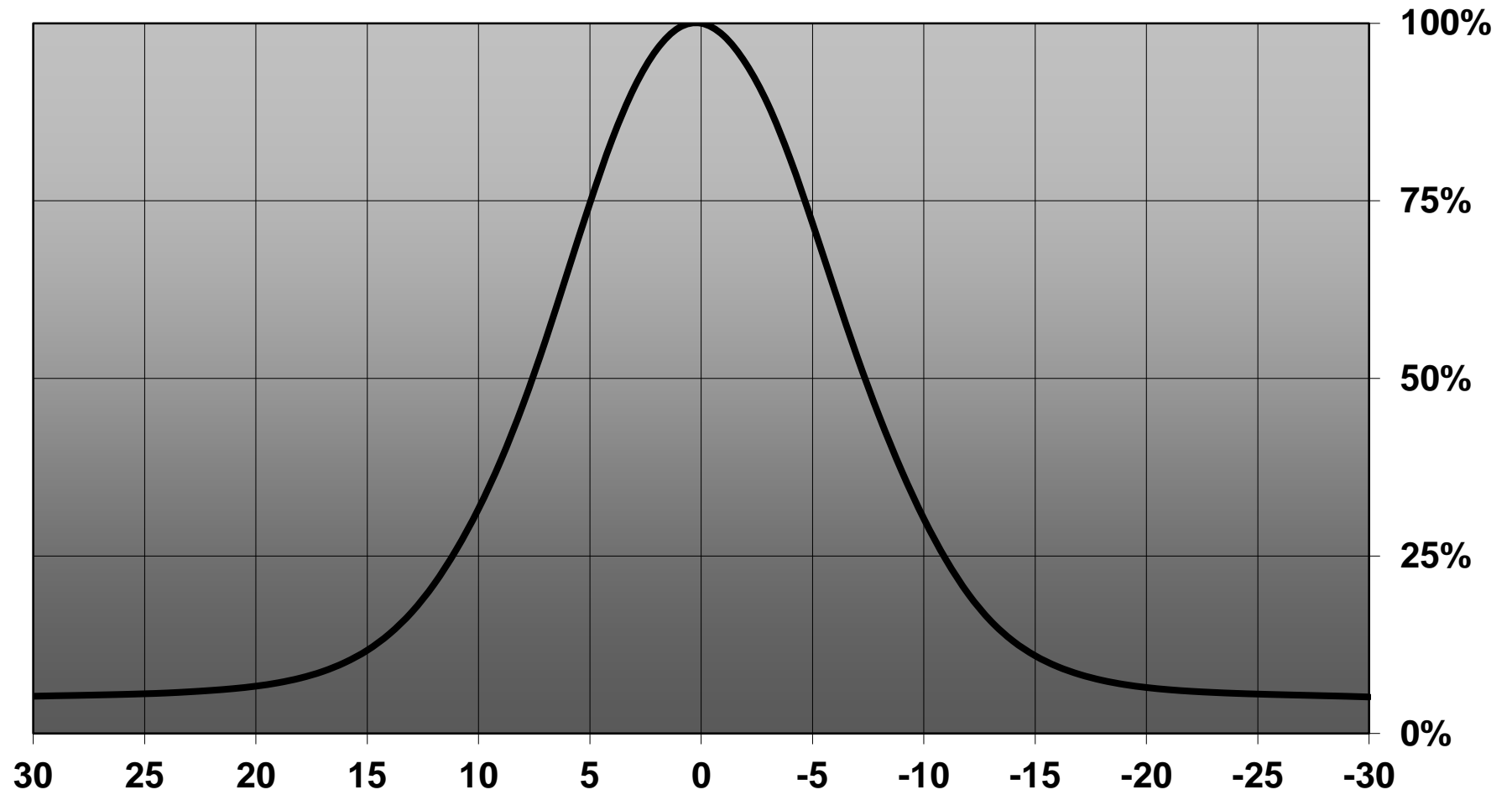
Relative intensity of CN13517_MIRELLA-50-S-CL-(COB-4W)



Relative intensity of CN13517_MIRELLA-50-S-CL-(LuxS)

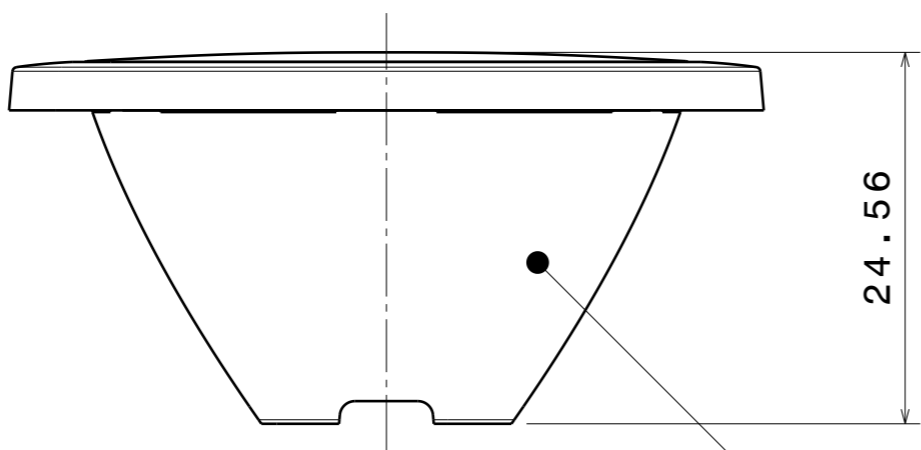


Relative intensity of CN13517_MIRELLA-50-S-CL_(Duris_S10)



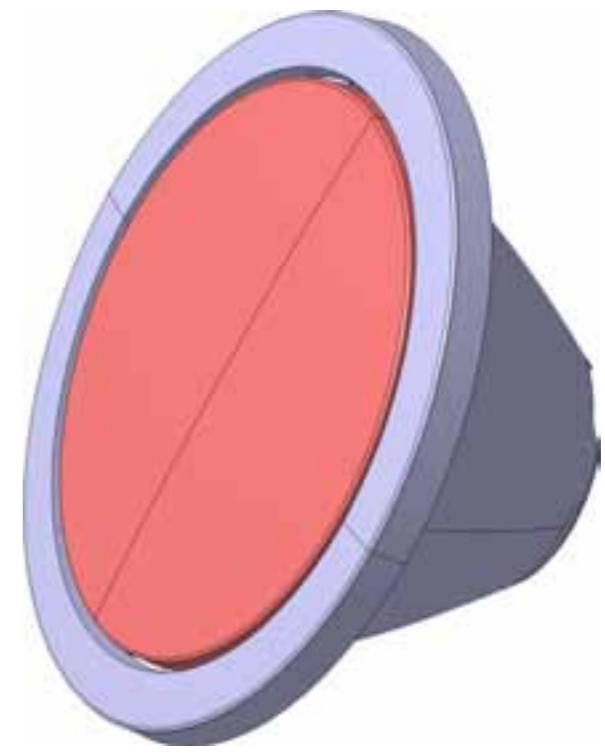
H G F E D C B A

4



Front view

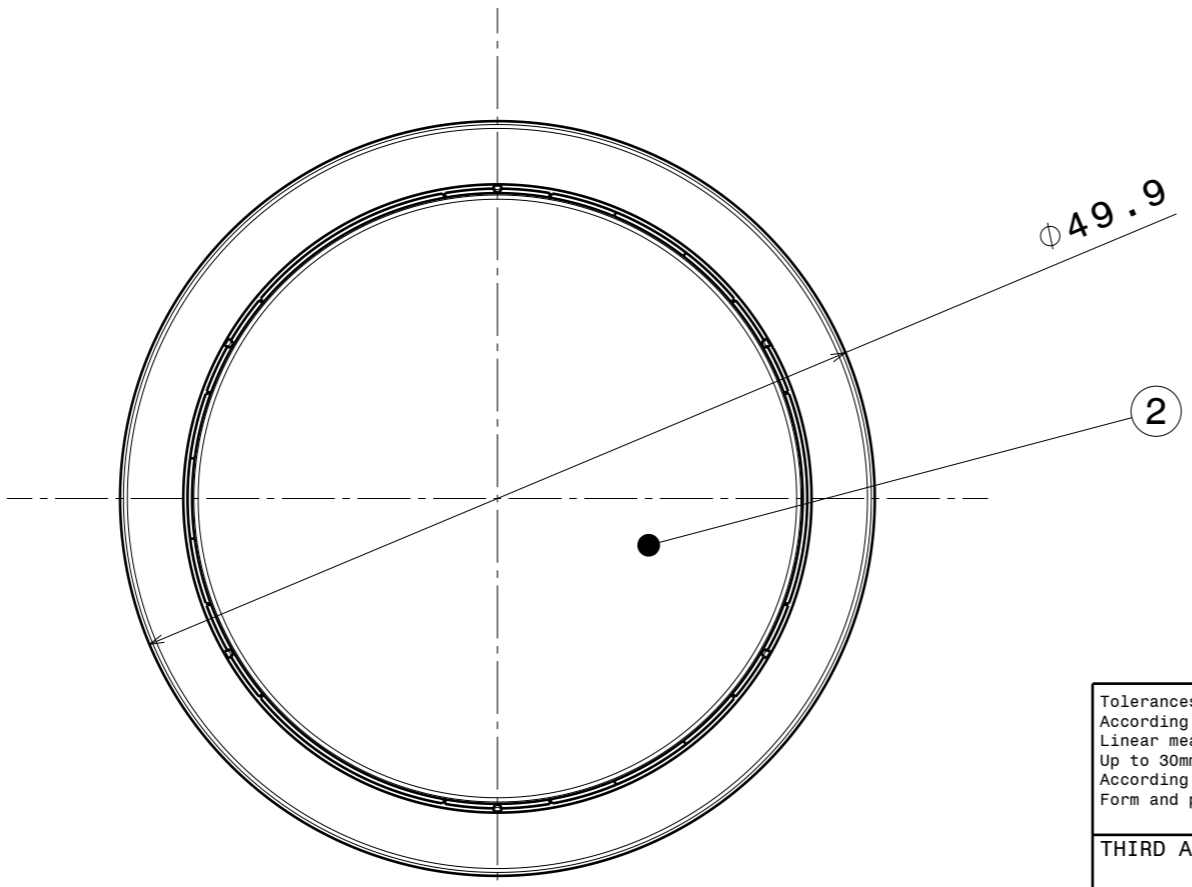
1



Isometric view

3

2



Top view

2

INDEX	PART NO	DESCRIPTION	MATERIAL
1	C12476	MIRELLA-50-S	PC
2	C13333	MIRELLA-CL	PC

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 Up to 30mm class M, otherwise 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
Datasheet_C13333_MIRELLA-CL

This drawing is the property
 of LEDiL Oy. It may not be
 reproduced, copied or
 communicated without a written
 agreement with LEDiL Oy."

SIZE	PART NUMBER		
A3	-		

SCALE	2:1	WEIGHT	(g)	SHEET	1/1
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H G B A

4

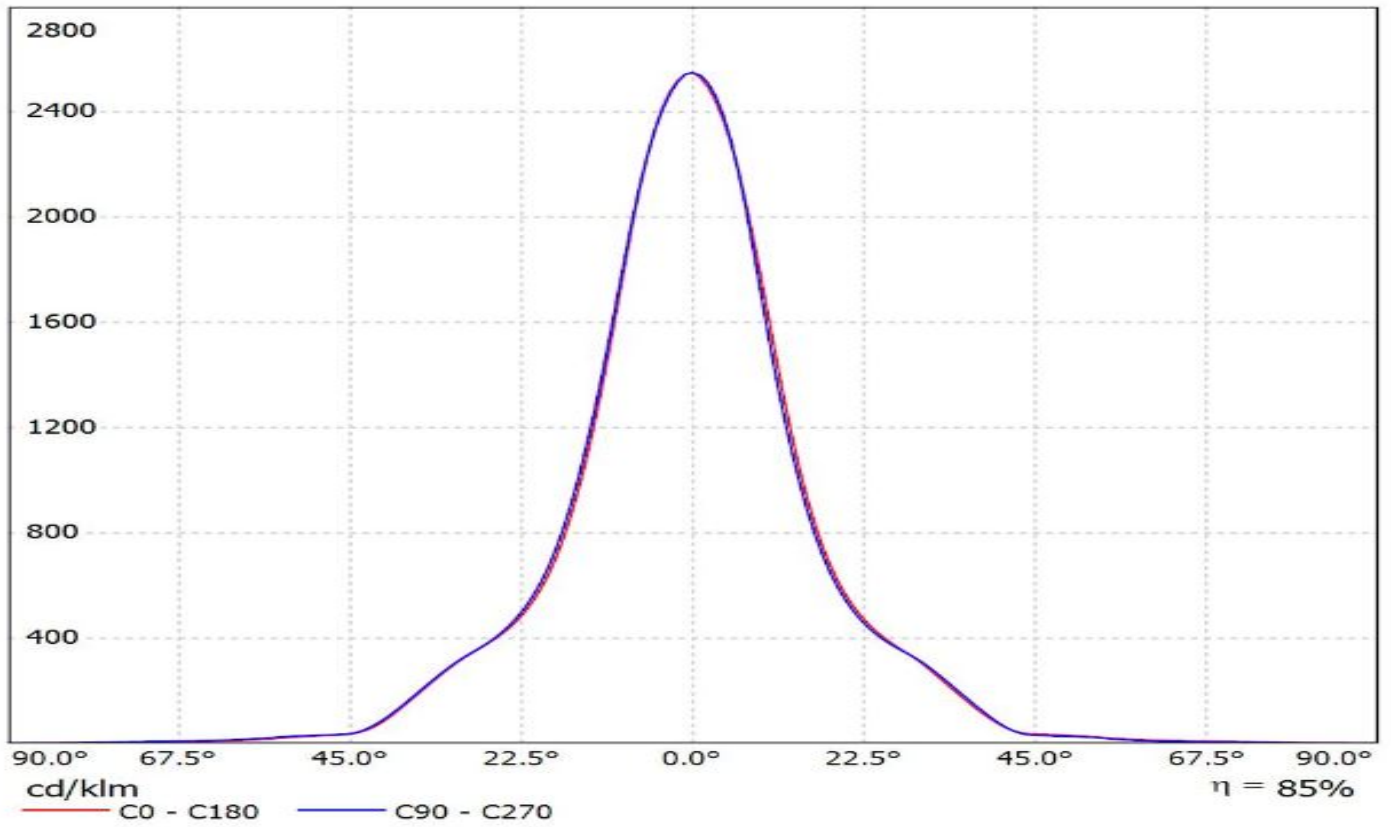
3

2

1

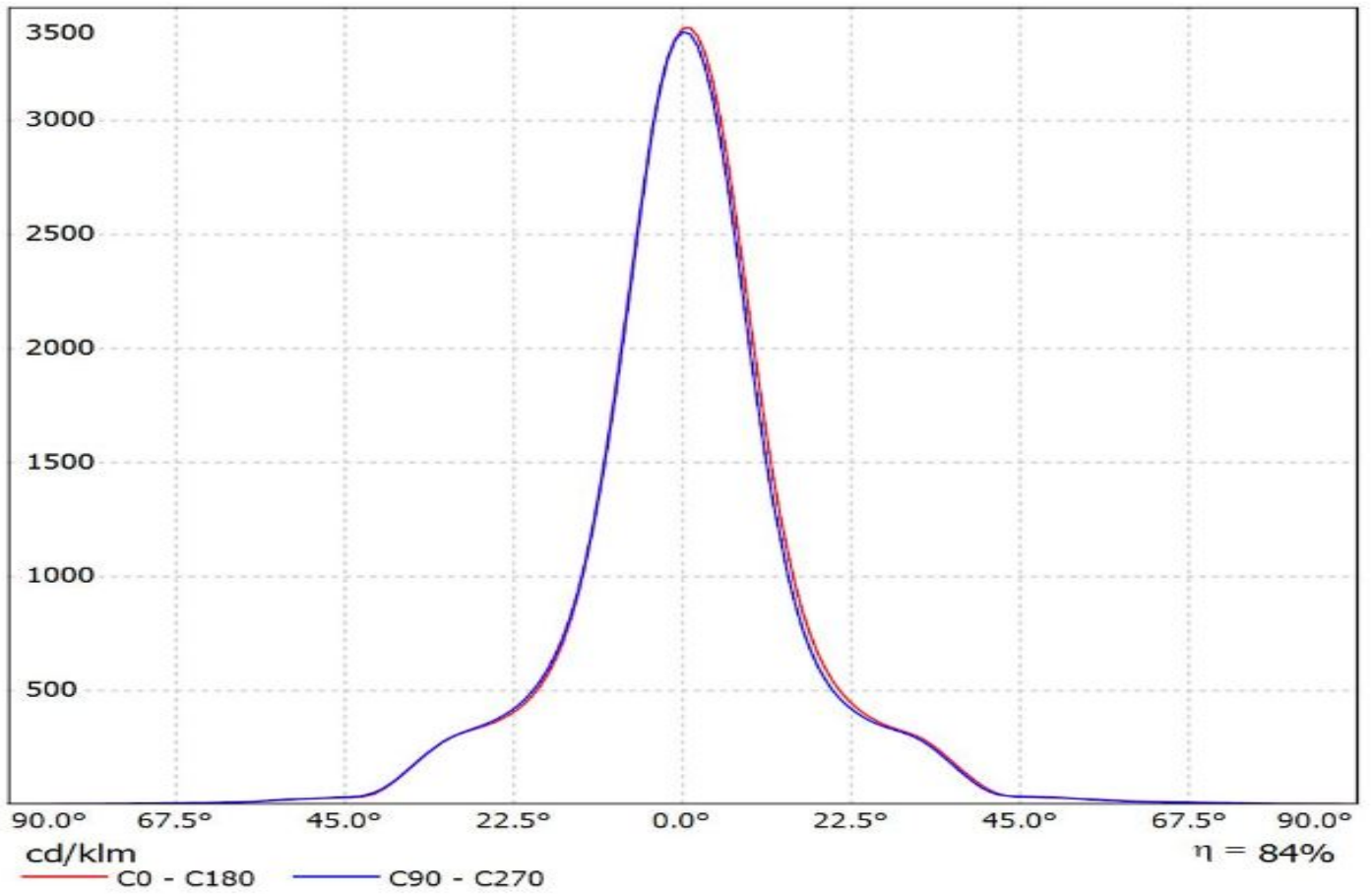
Ledil CN13517_MIRELLA-50-S-CL_(CLU720) / LDC (Linear)

Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



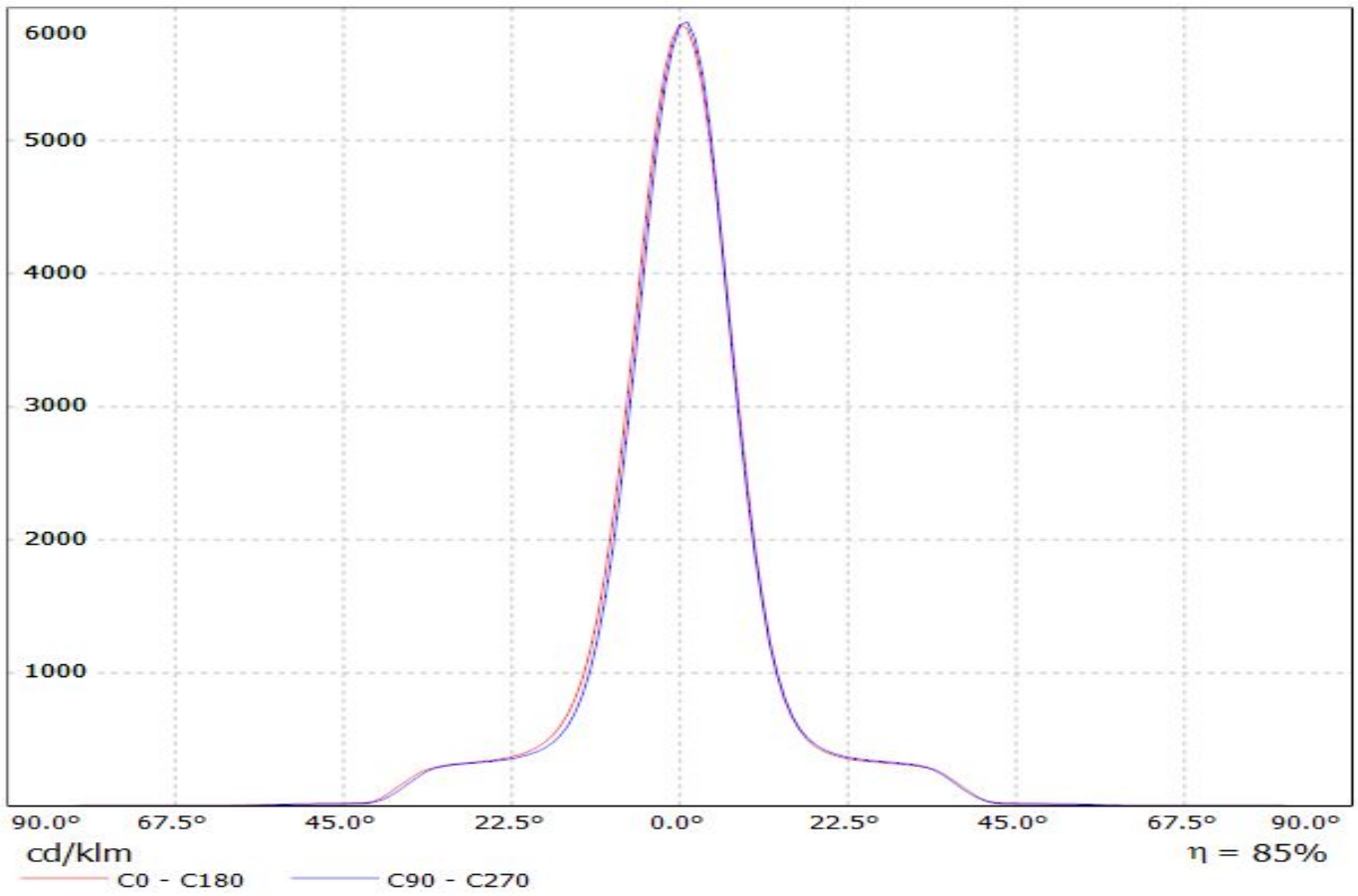
Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(CLU710)

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

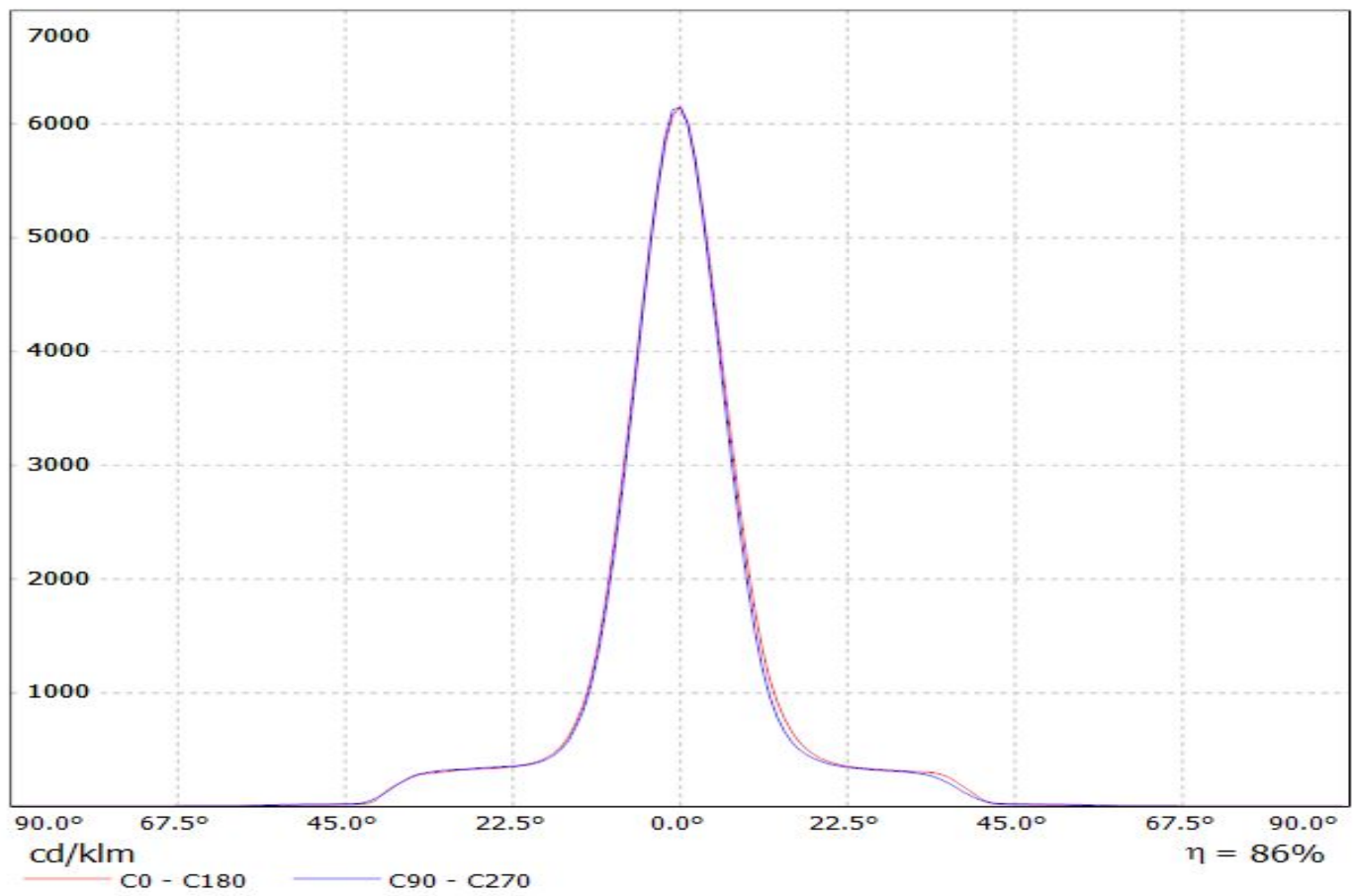


Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(CLU700)

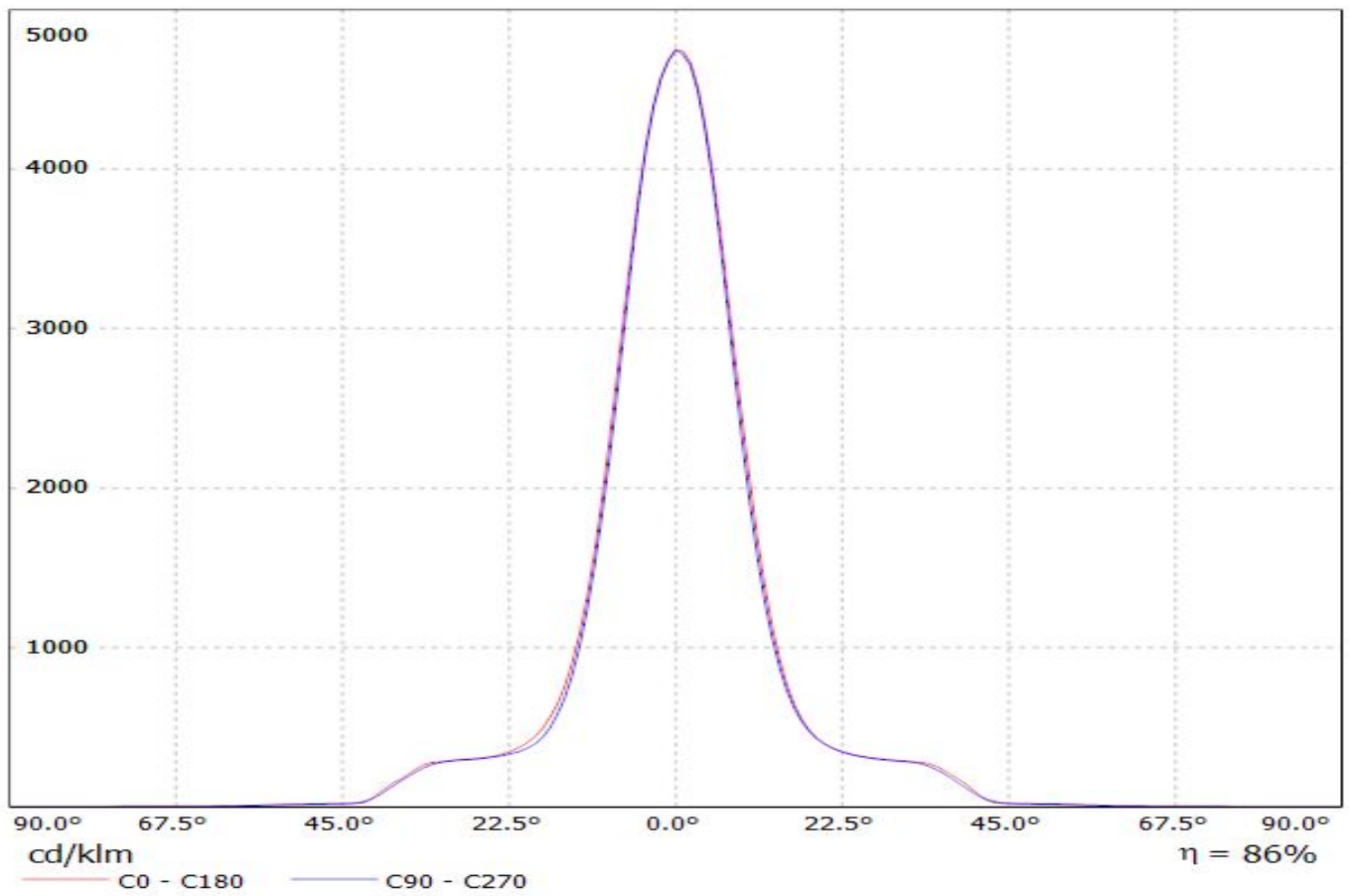
Lamps: 1 x CITIZEN_CLU700_(CLU700-100-2B8-273M2G1)_380.605lm@250mA_P=2.8002W_I=0.1001A



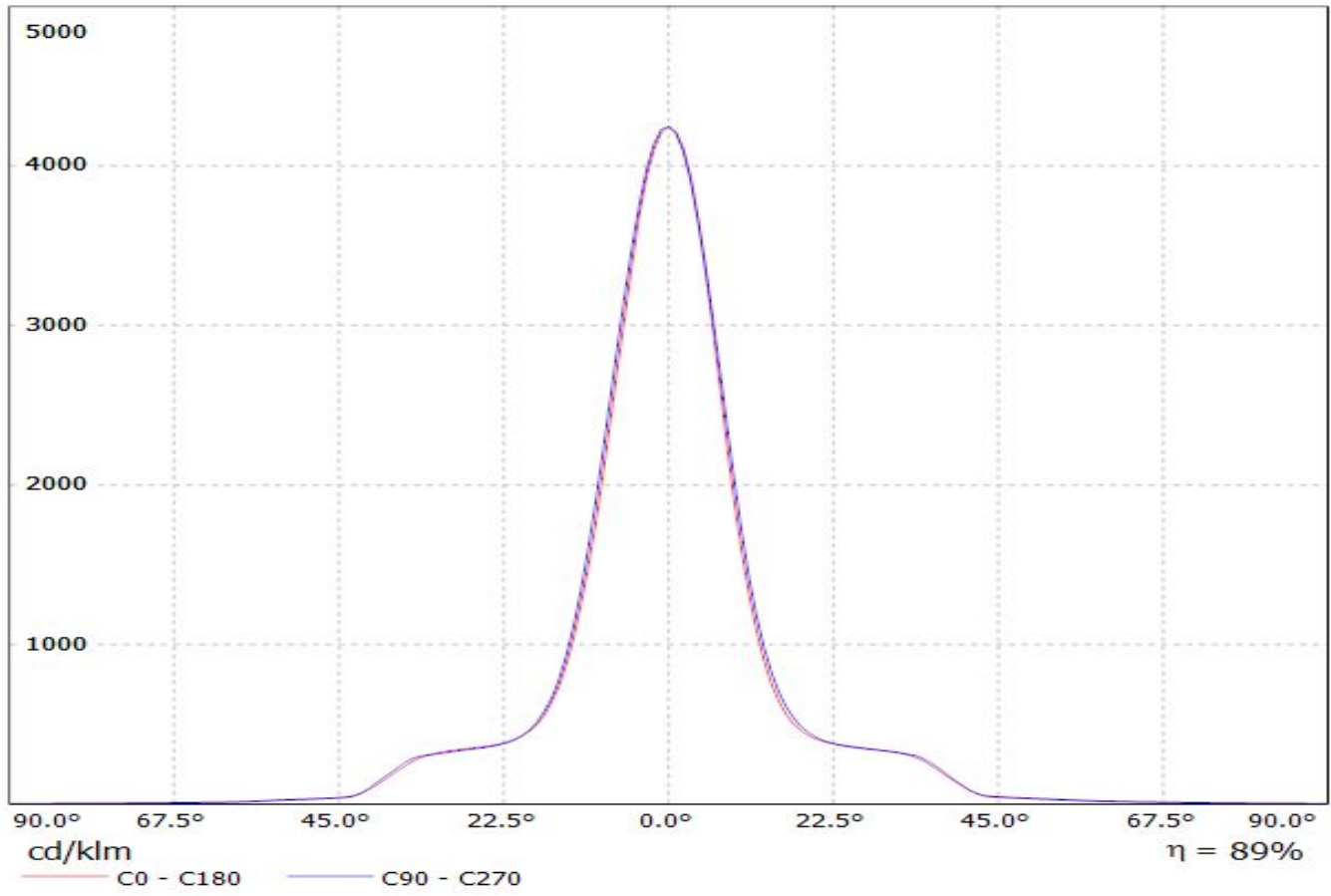
Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A



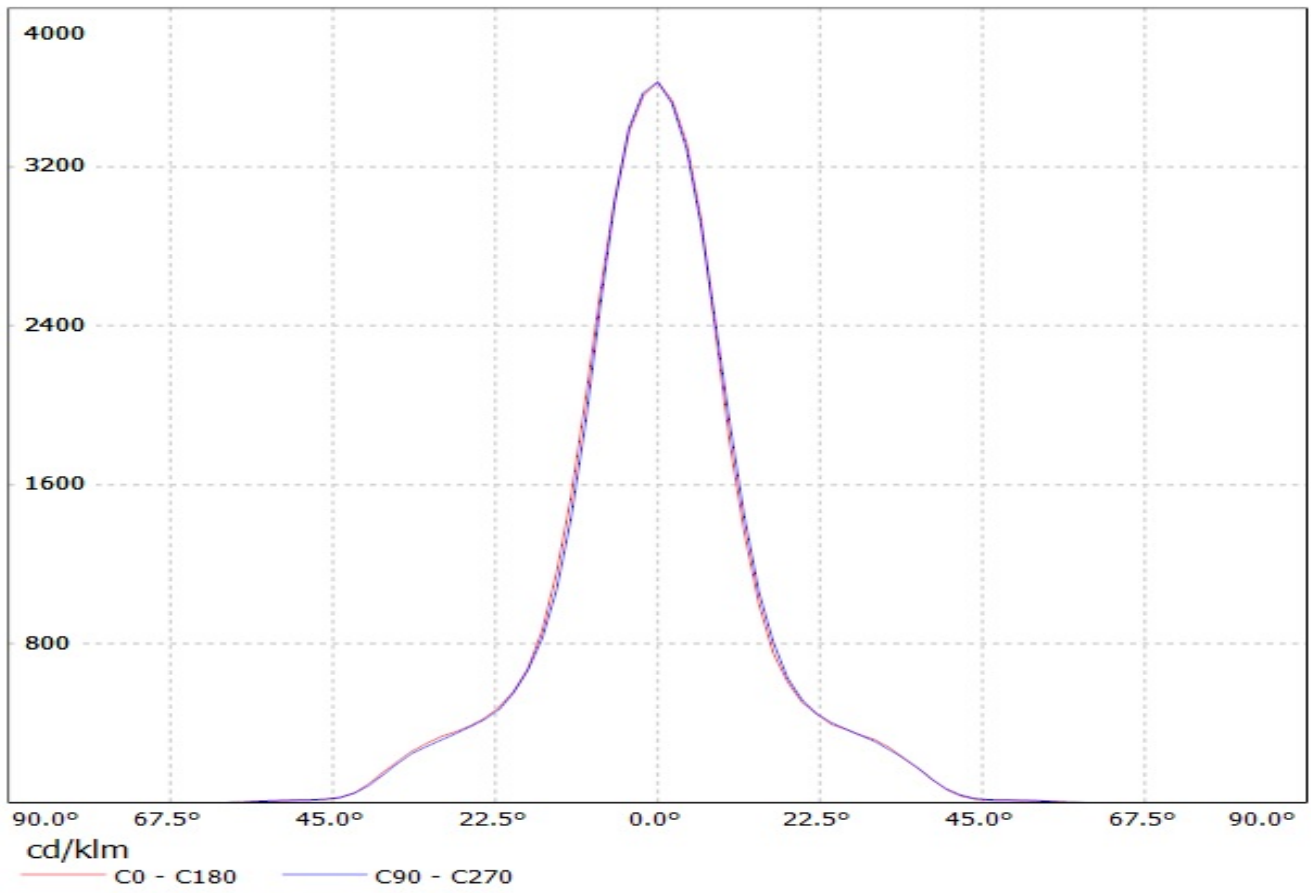
Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A



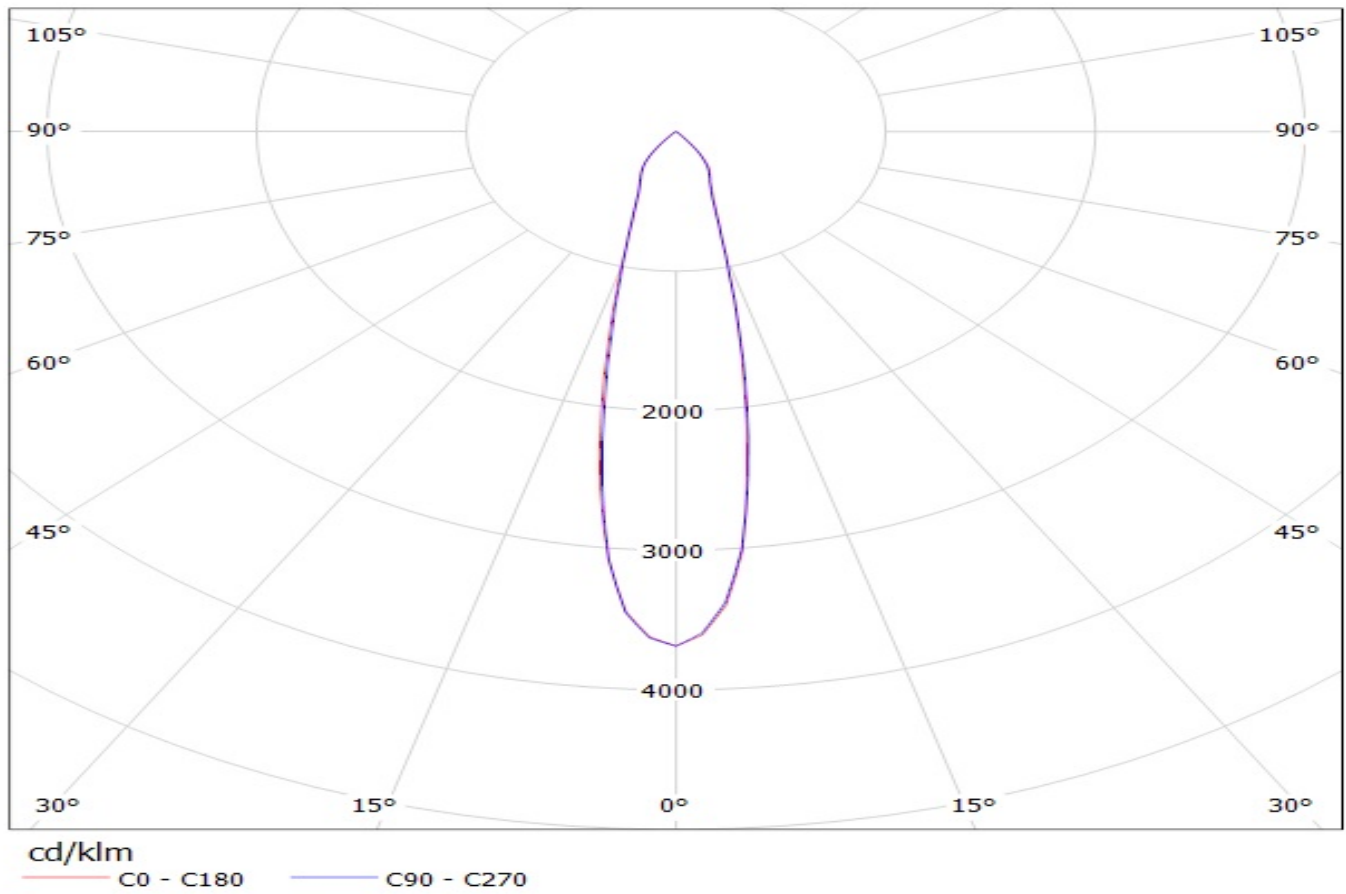
Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



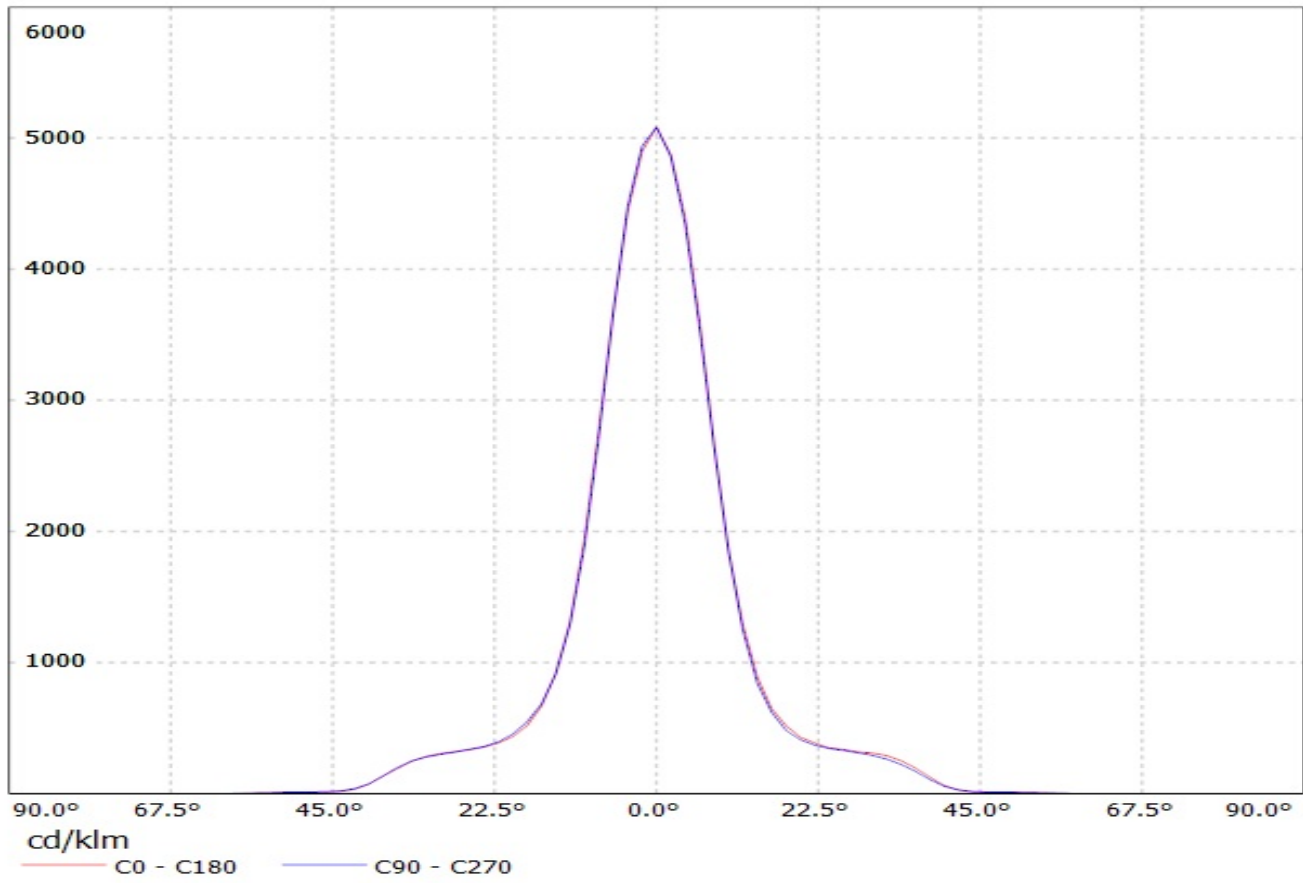
Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL_(Luxeon_CoB_1203) Efficiency= 86%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P= 8.7W I= 250mA



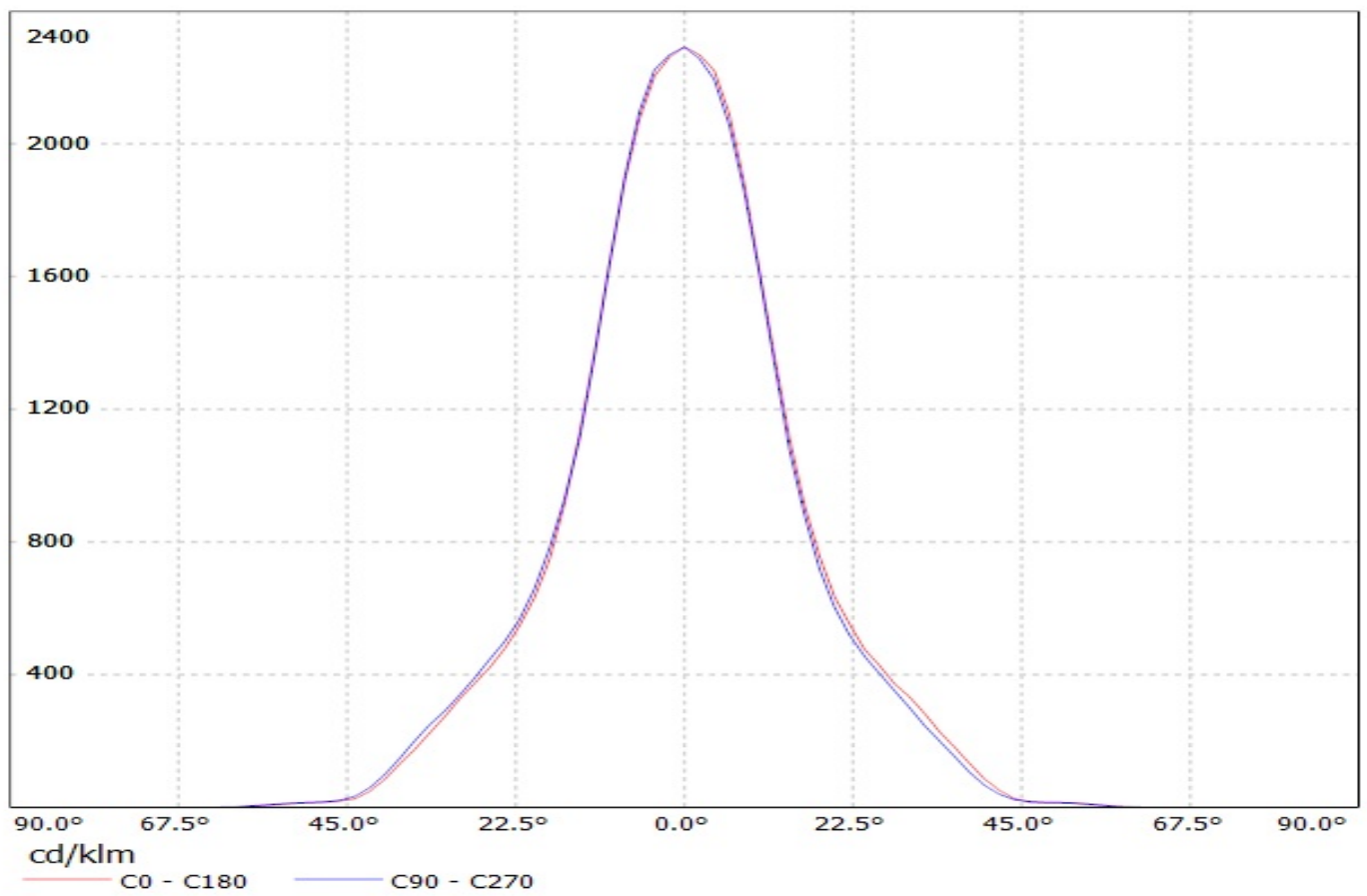
Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL (NSBxL066A 930lm @ 250mA) Efficiency=87%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



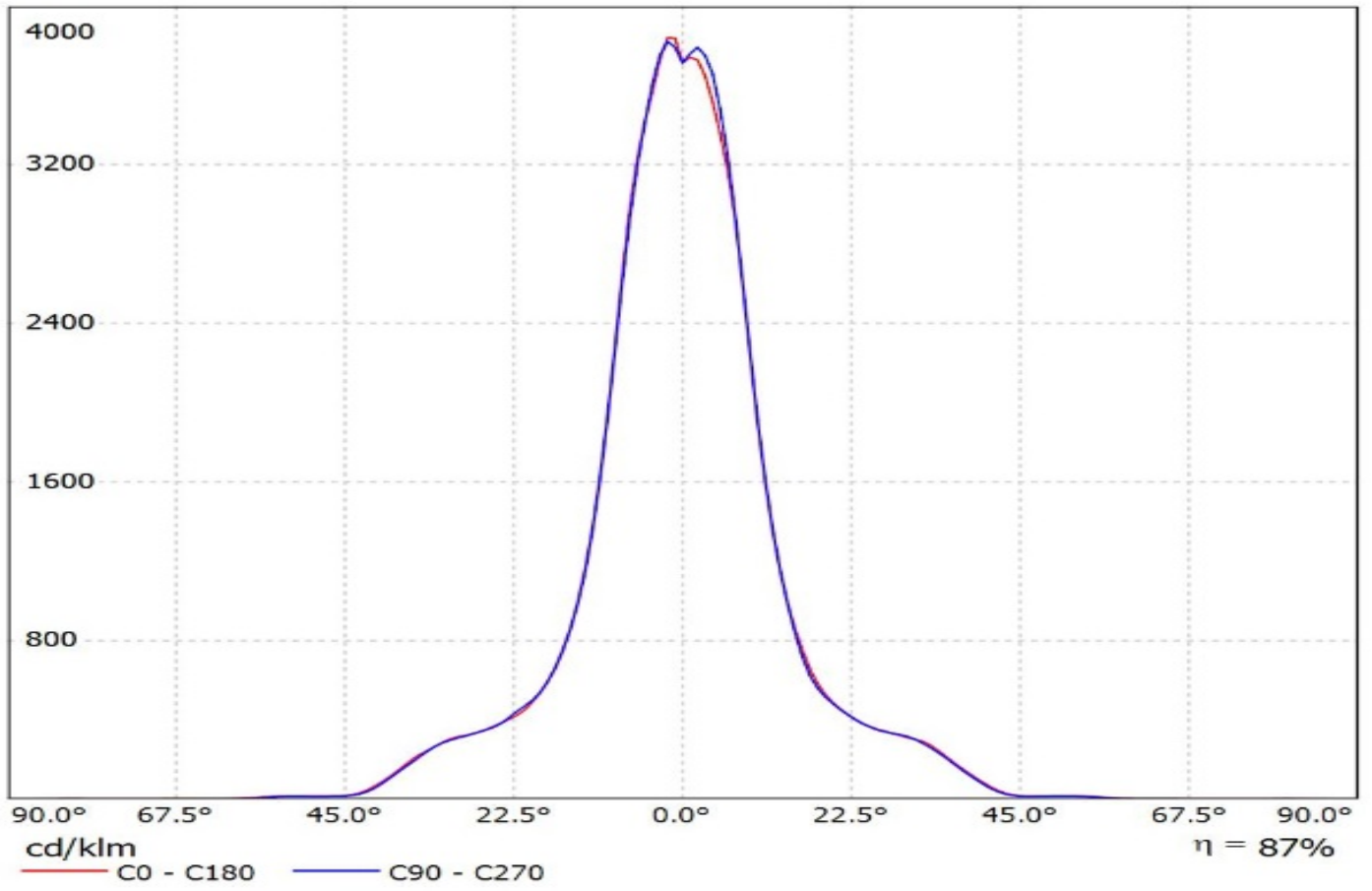
Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=84%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



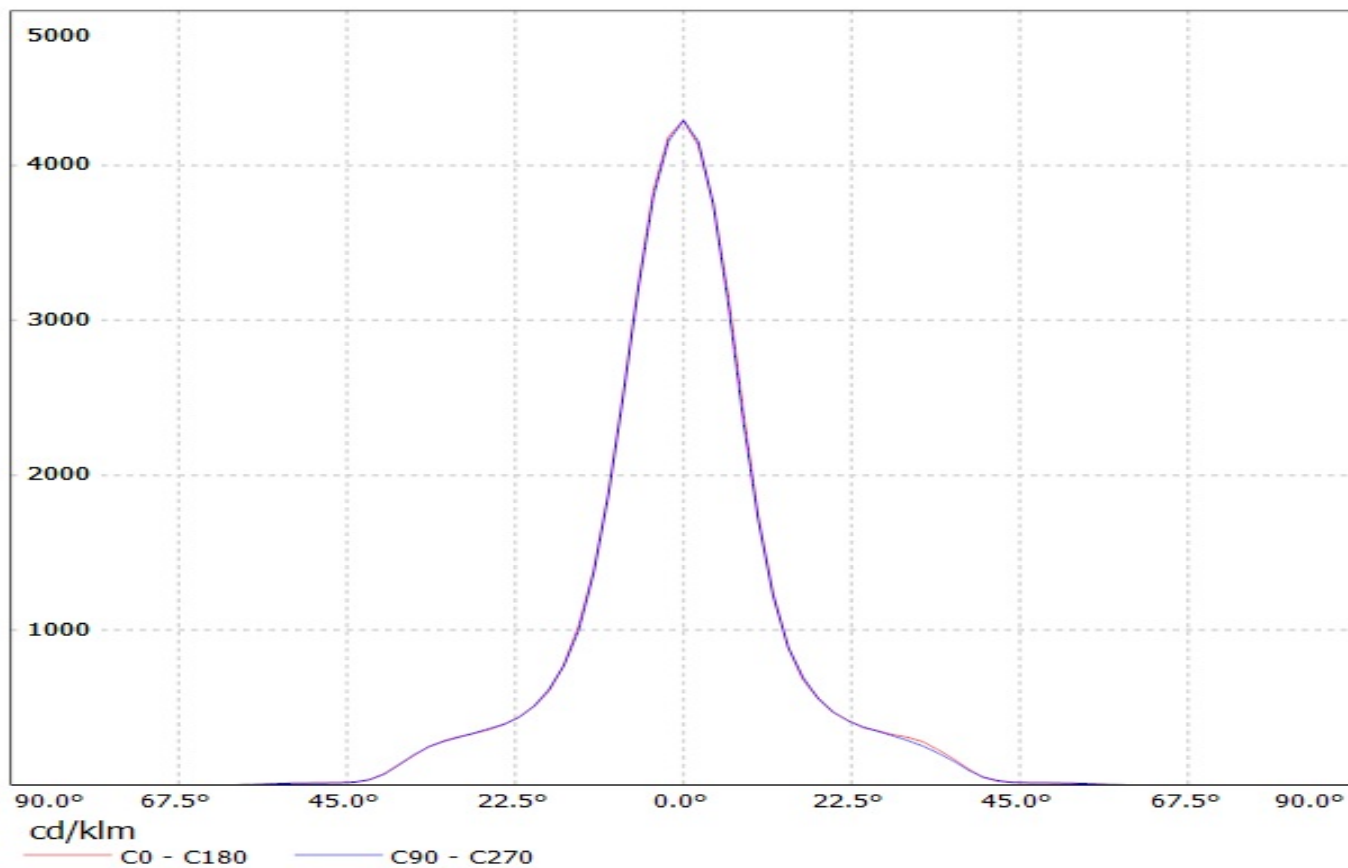
Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL_(Soleriq_S13) Efficiency=82%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA



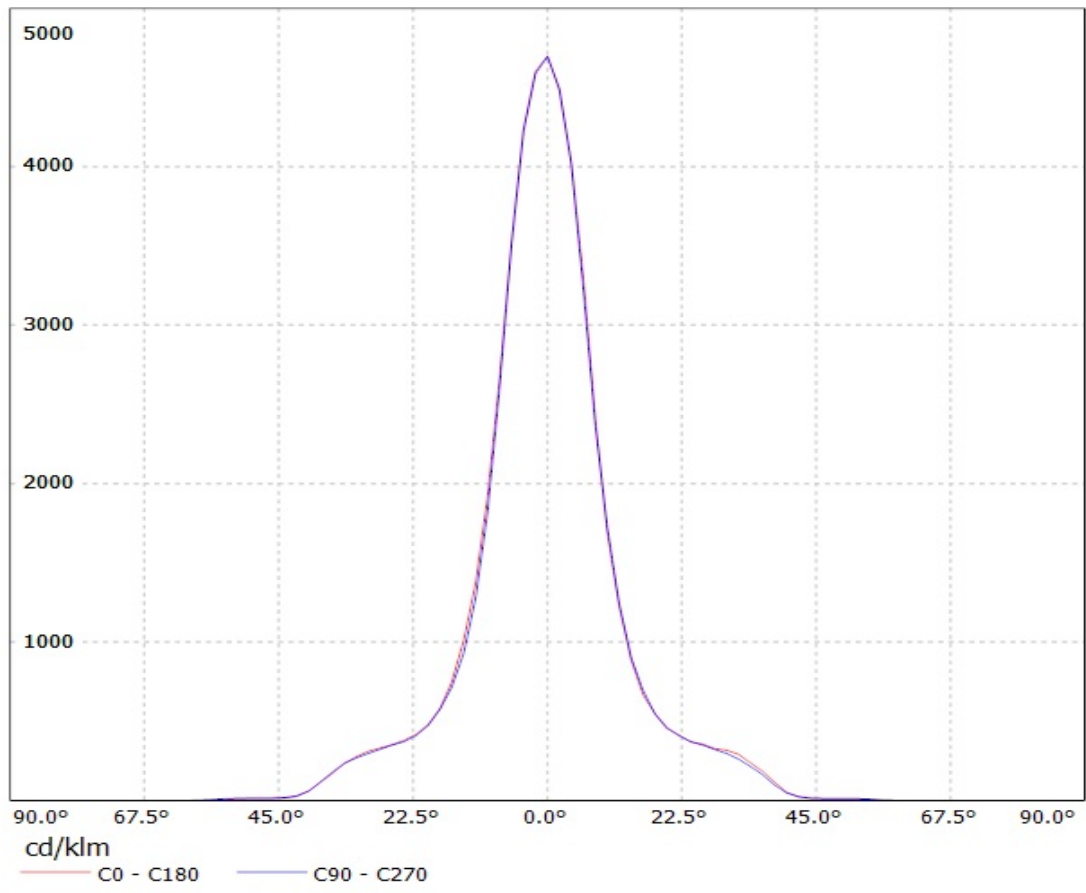
Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL_(ZC6) Efficiency=82%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA

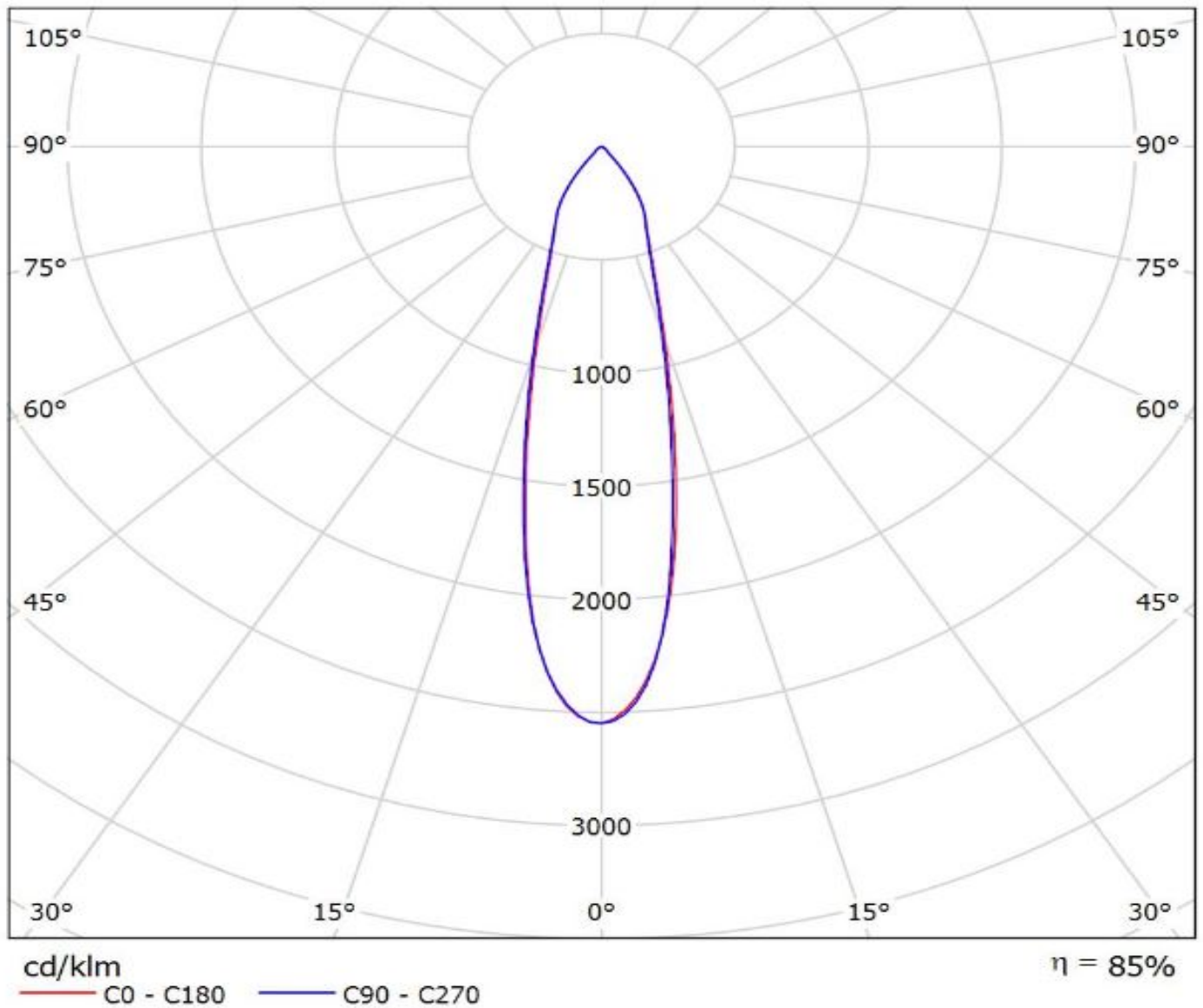


Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL (Stark_SLE_G3_LES10) Efficiency=82%
Lamps: 1 x Tridonic Stark SLE G3 LES10 (STARK-SLE-PURE-G3-10-1000-830-CLA) 453lm @ 250mA CCT=3000K P=4.3W I=250mA



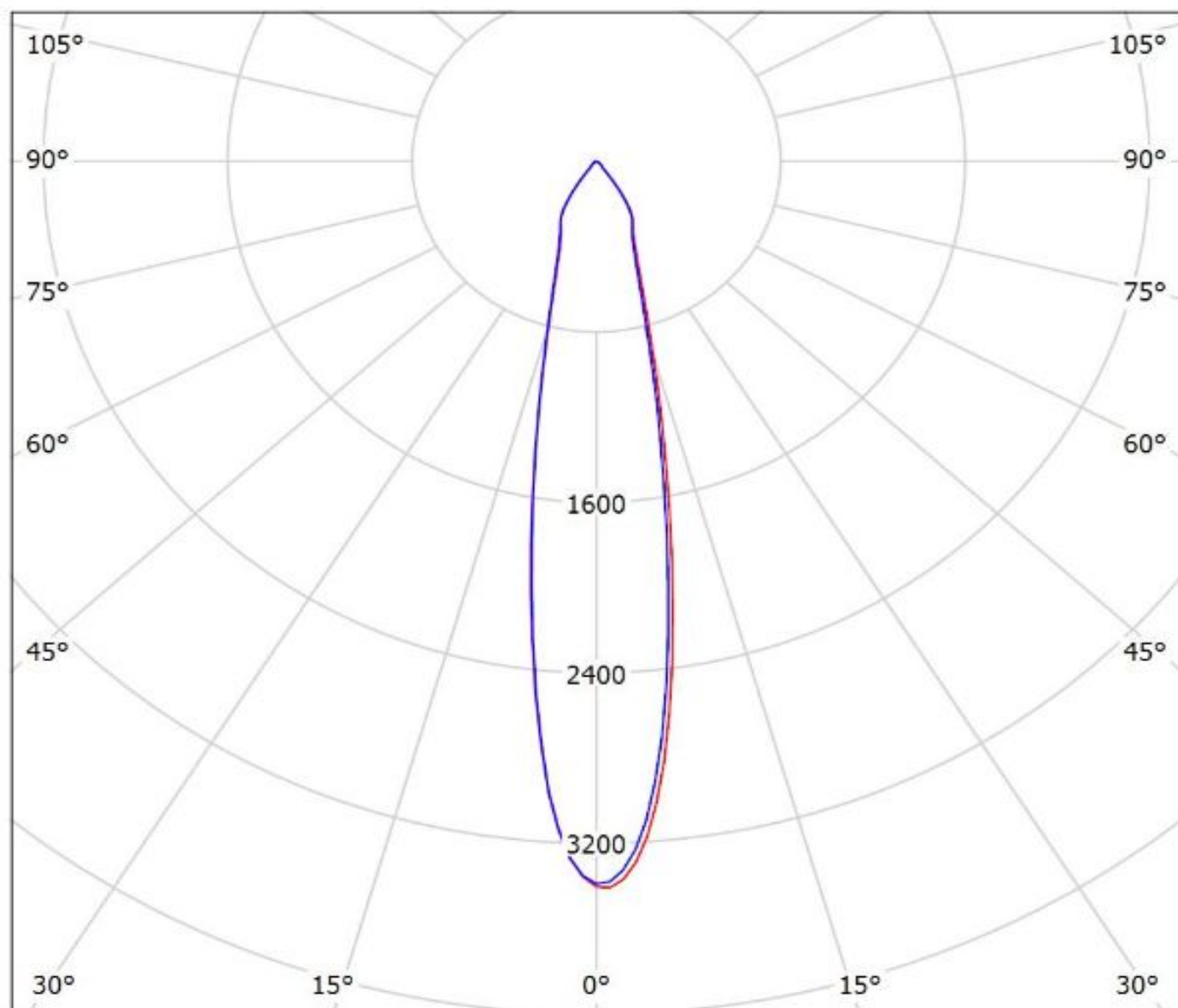
Ledil CN13517_MIRELLA-50-S-CL_(CLU720) / LDC (Polar)

Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(CLU710)

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



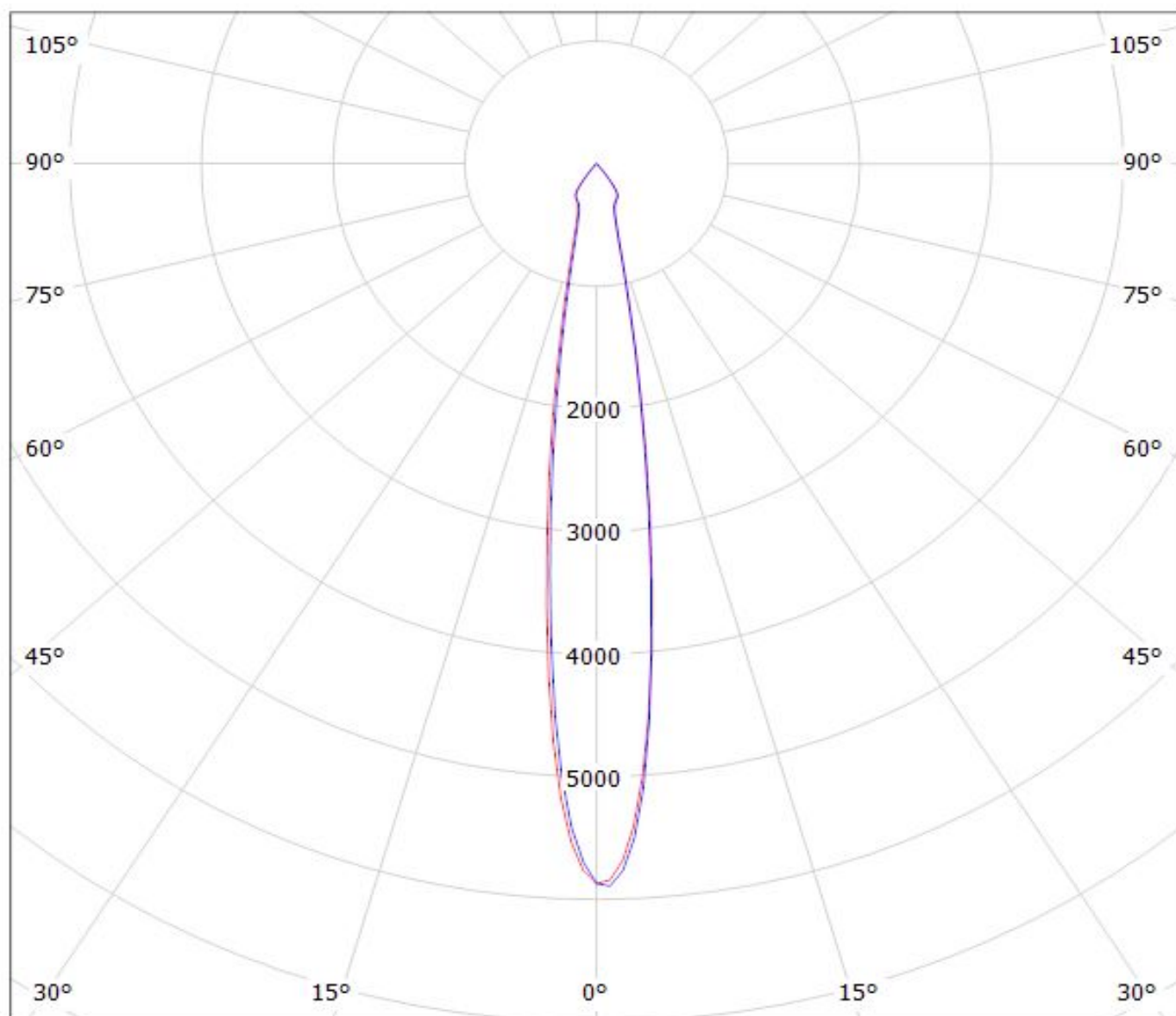
cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(CLU700)

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



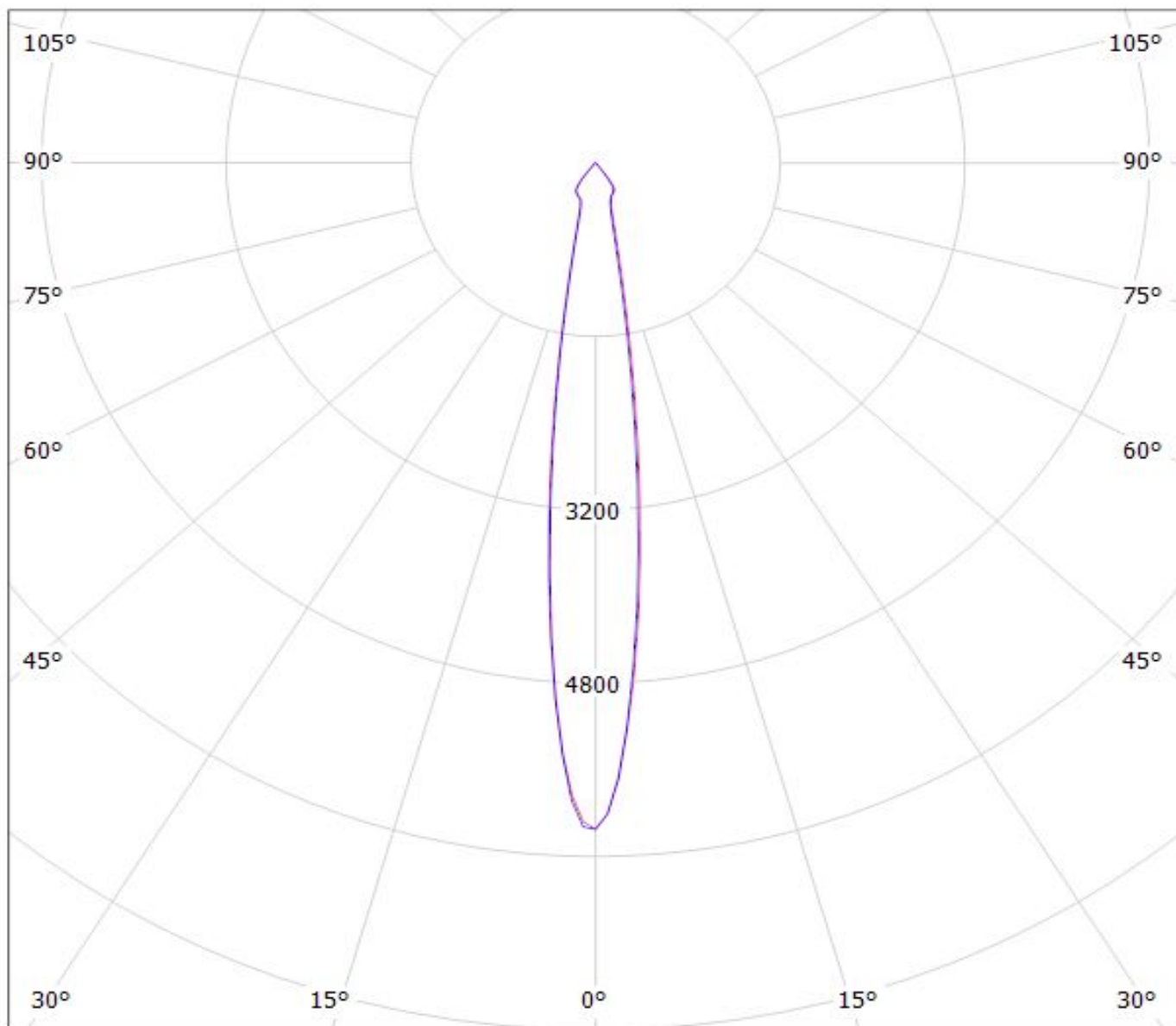
cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(CREE_XHP50_WARM_WHITE)

Lamps: 1 x CREE_XHP50_WARM_WHITE_194.925lm@250mA_P=1.39897W_I=0.2499A



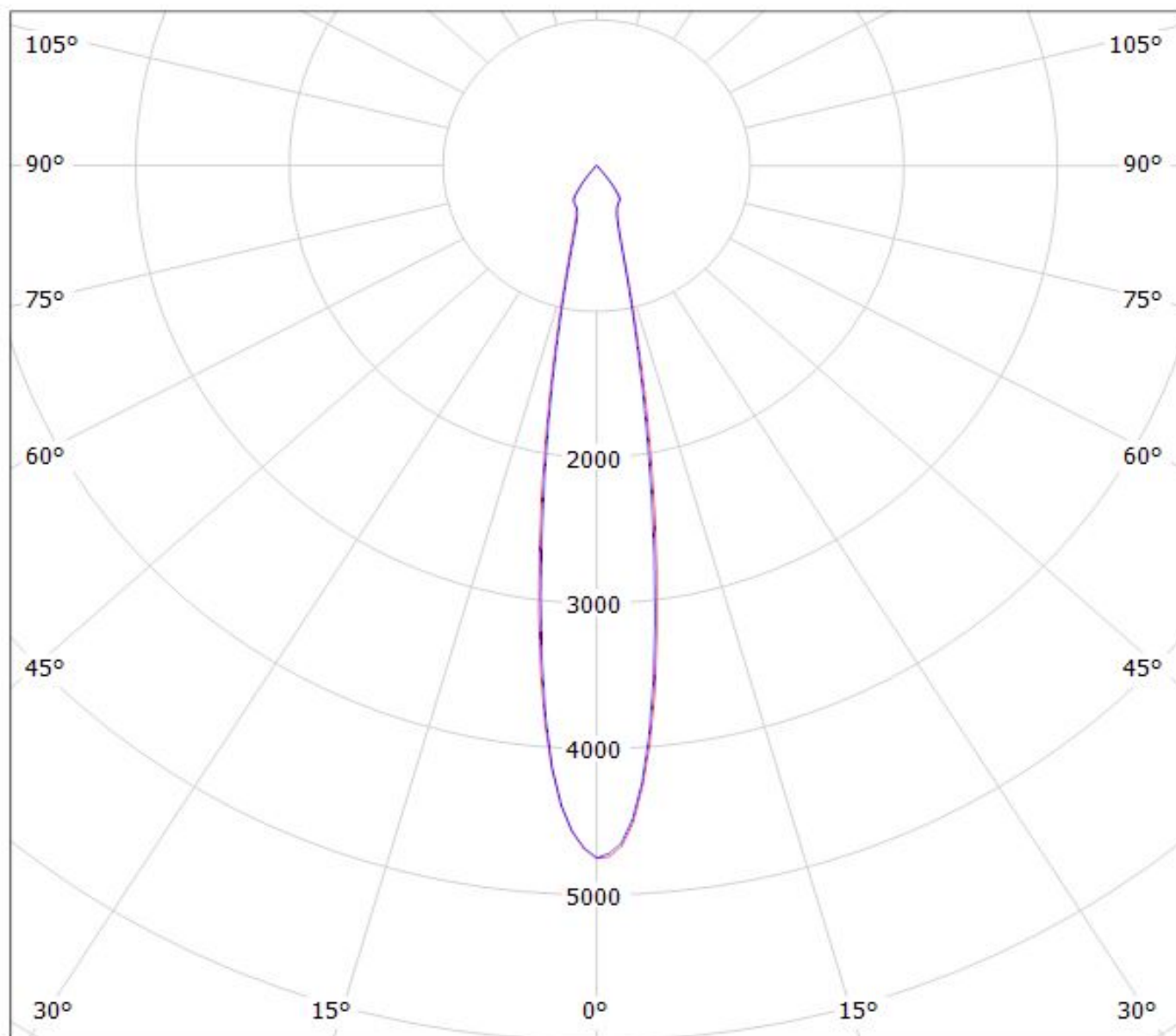
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy CN13517_MIRELLA-50-S-CL_(Cree_XHP70)
Lamps: 1 x Cree_XHP70_258.083lm@250mA_P=1.38117W_I=0.2499A

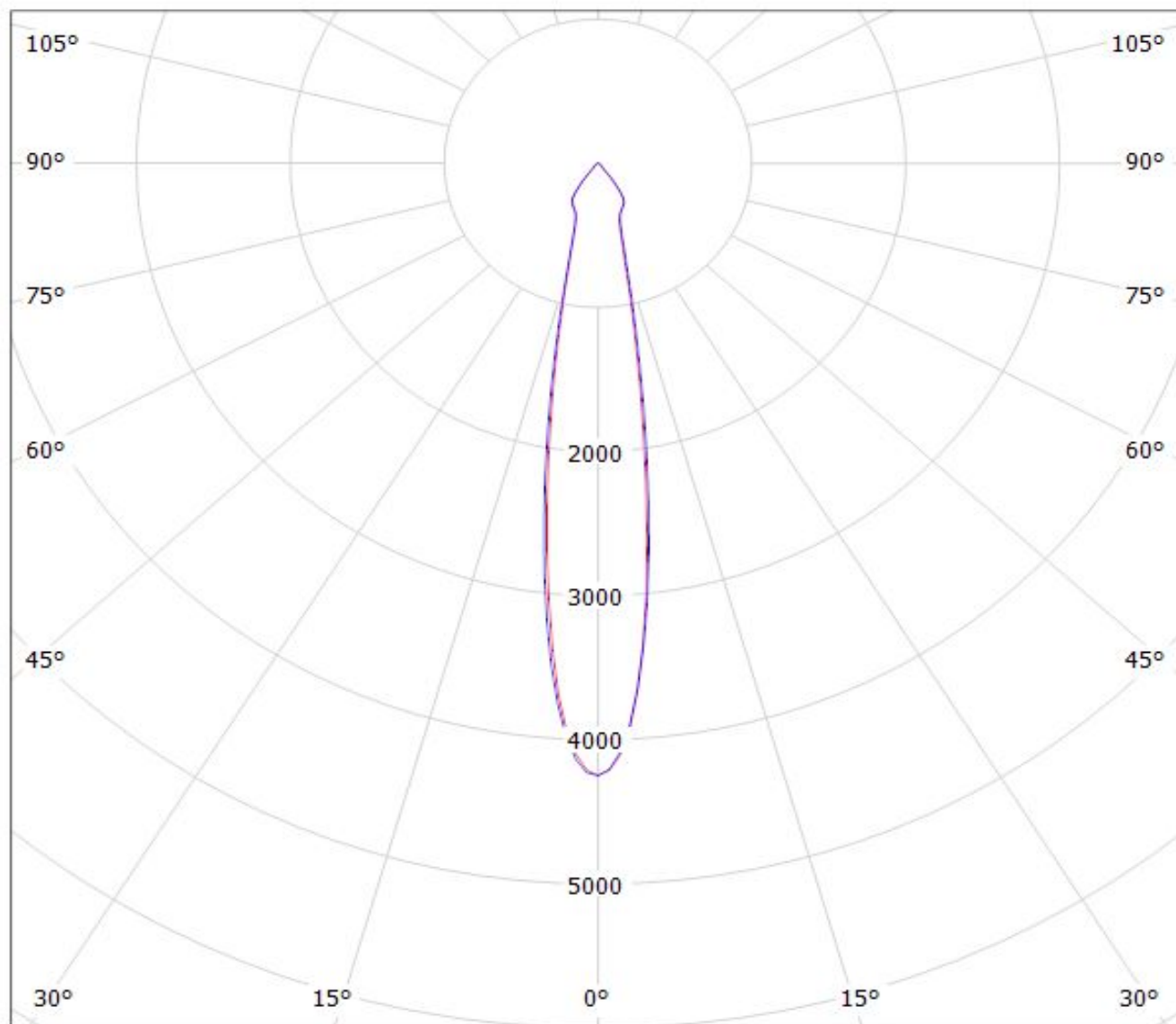


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil CN13517_MIRELLA-50-S-CL_(MHD-G)
Lamps: 1 x Cree MHD-G_528.649lm@100mA_P=3.0W_I=0.100A



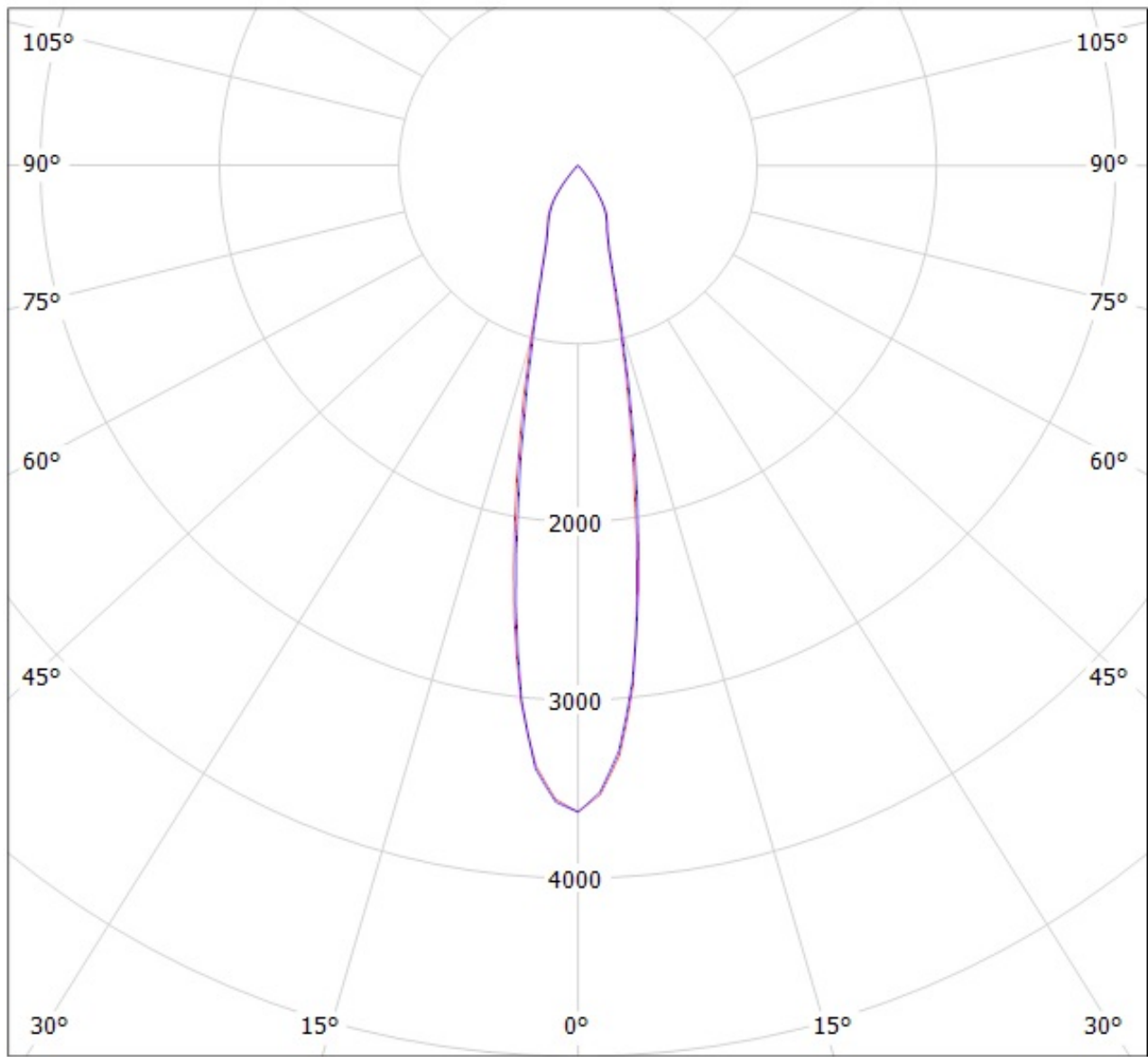
cd/klm

$\eta = 89\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL_(Luxeon_CoB_1203) Efficiency= 86%
Lamps: 1 x Luxeon Cob 1203 (LHC1-3080-1203) 824lm @ 250mA CCT=3000K P= 8.7W I= 250mA

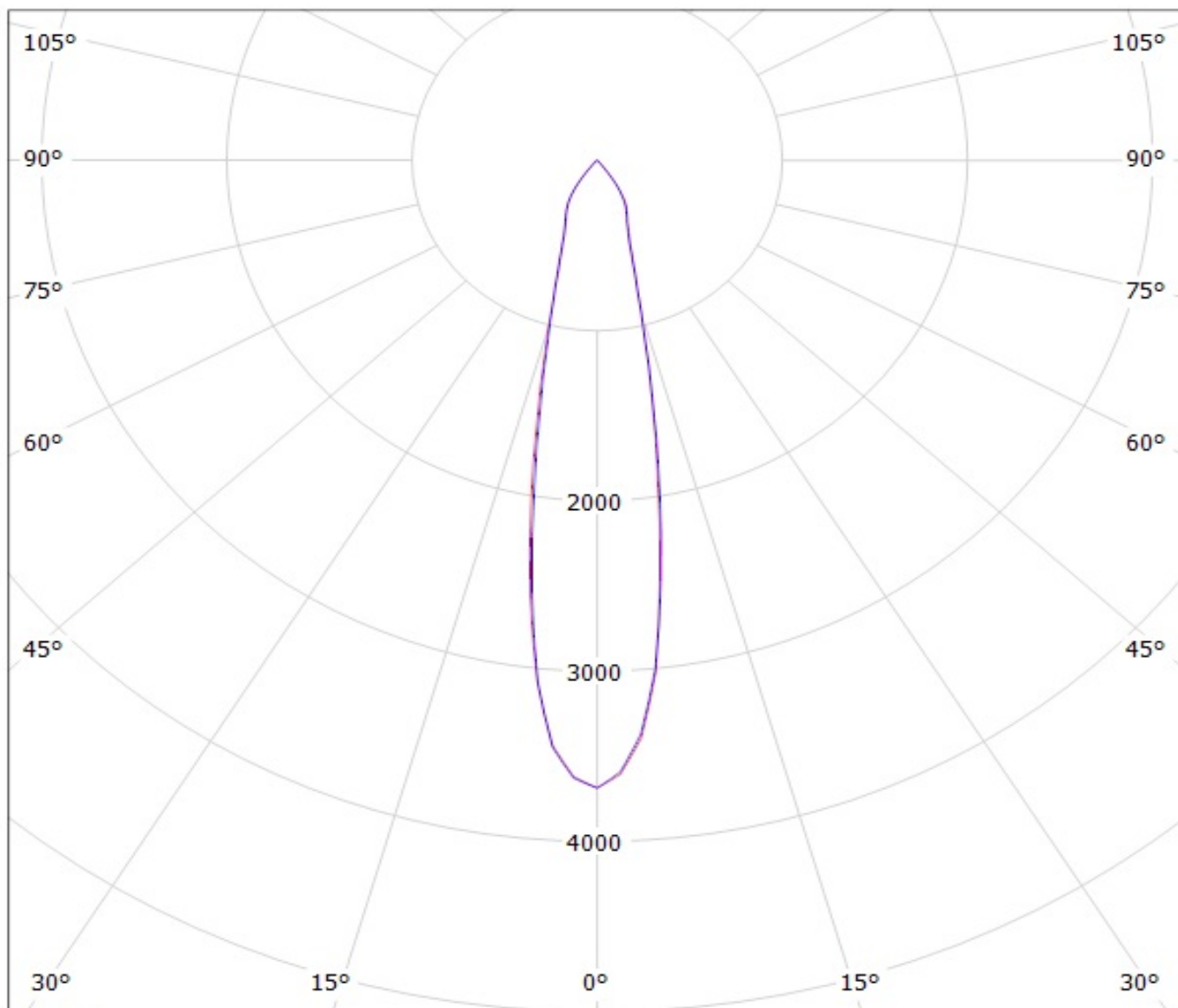


cd/klm

— C0 - C180

— C90 - C270

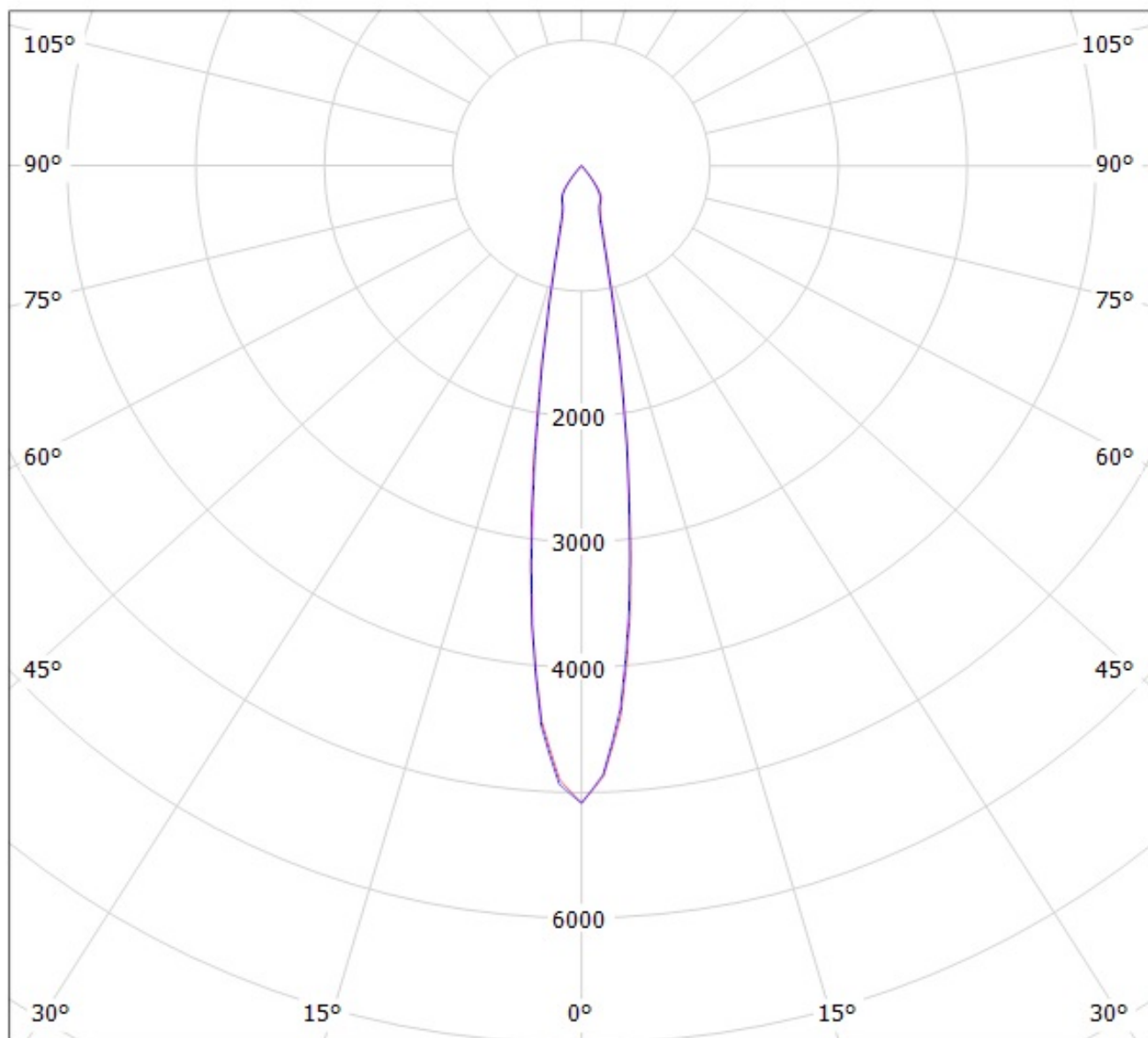
Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL (NSBxL066A 930lm @ 250mA) Efficiency=87%
Lamps: 1 x NSBxL066A 930lm @ 250mA (NSBLL066AE) CCT=3536K P=7,75W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL (Nichia NSCxL036A 434lm @ 100mA) Efficiency=84%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

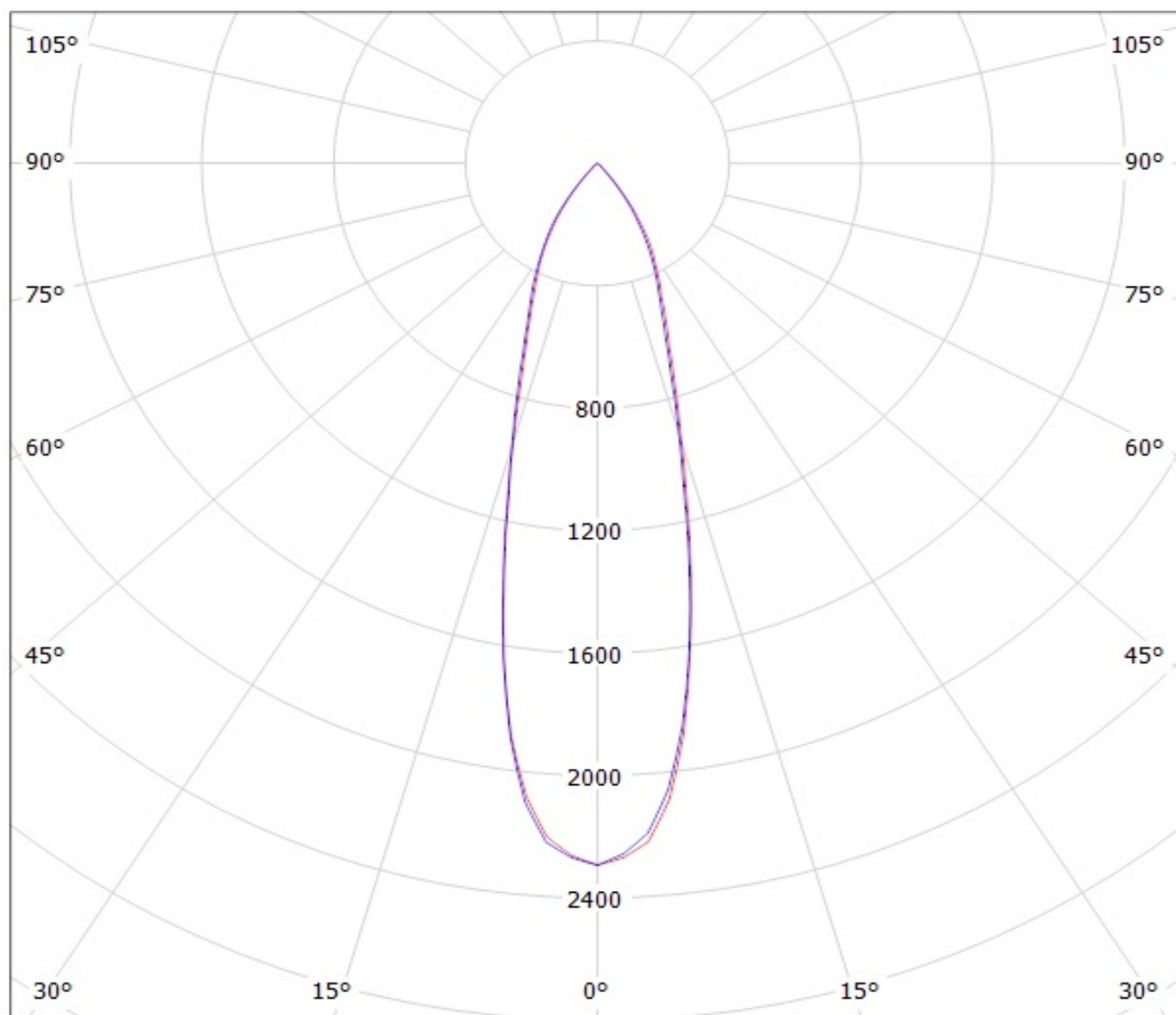


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL_(Soleriq_S13) Efficiency=82%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 832lm @ 250mA CCT=3100K P=7.4W I=250mA

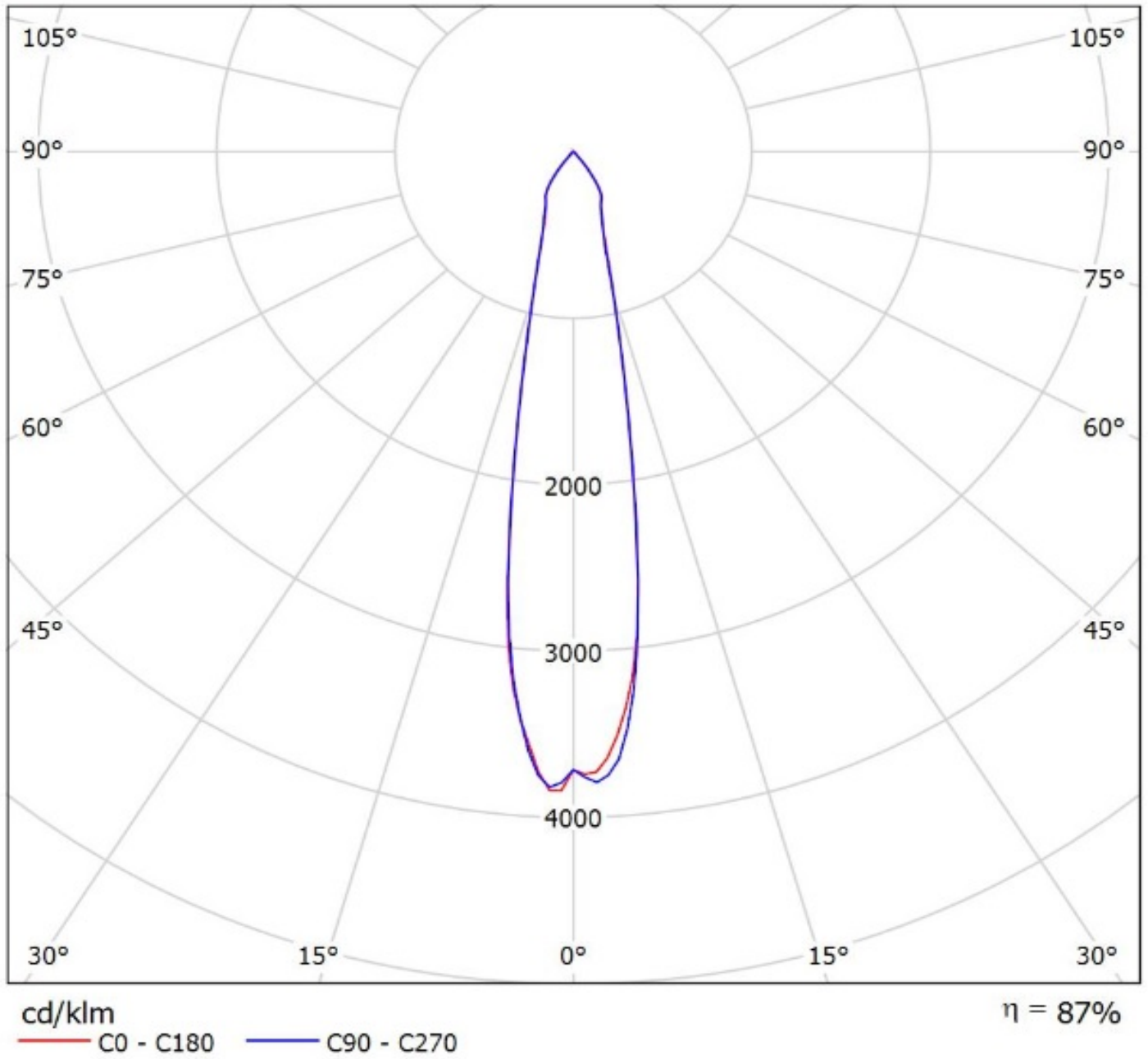


cd/klm

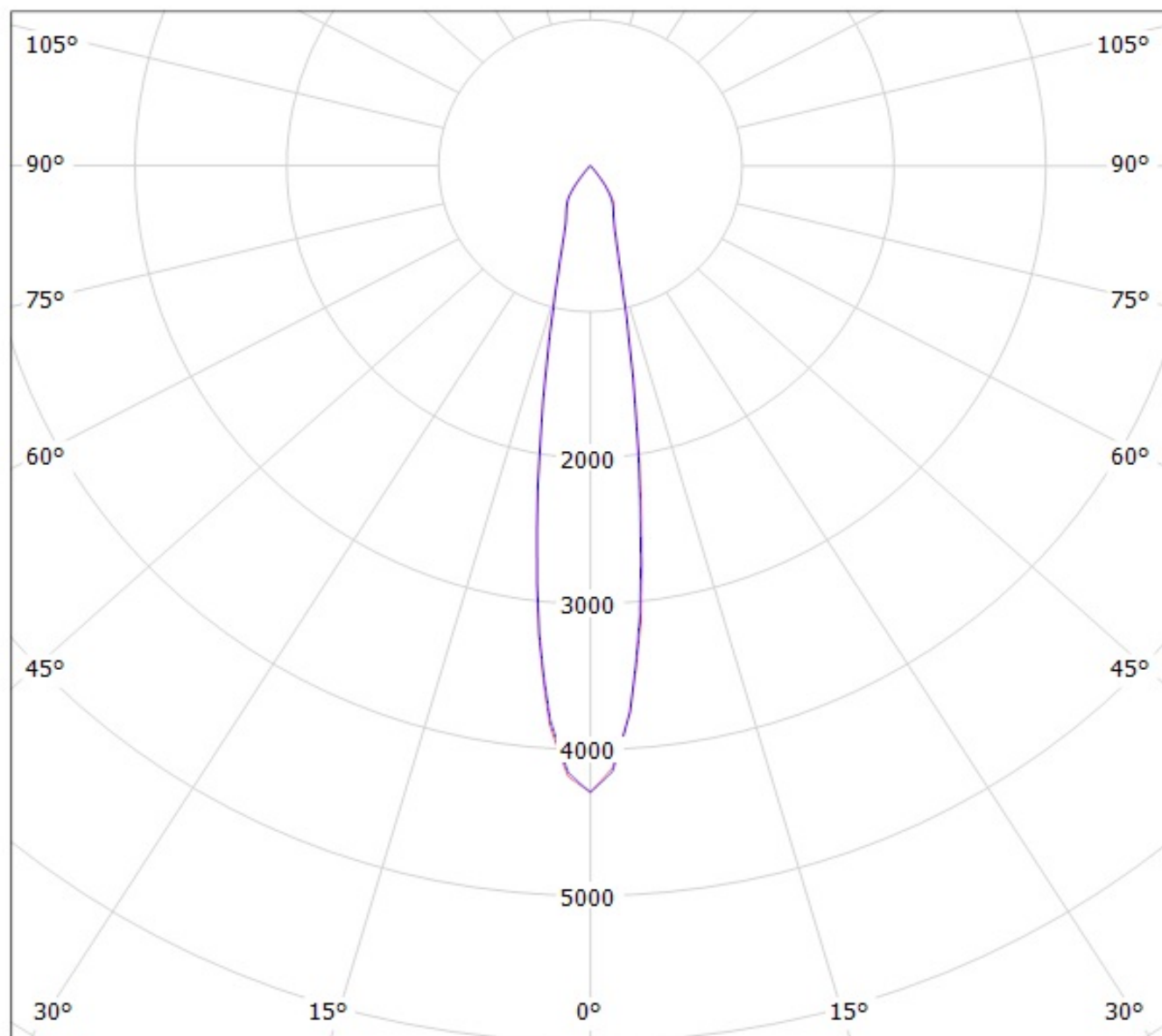
— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN13517_MIRELLA-50-S-CL_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL_(ZC6) Efficiency=82%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



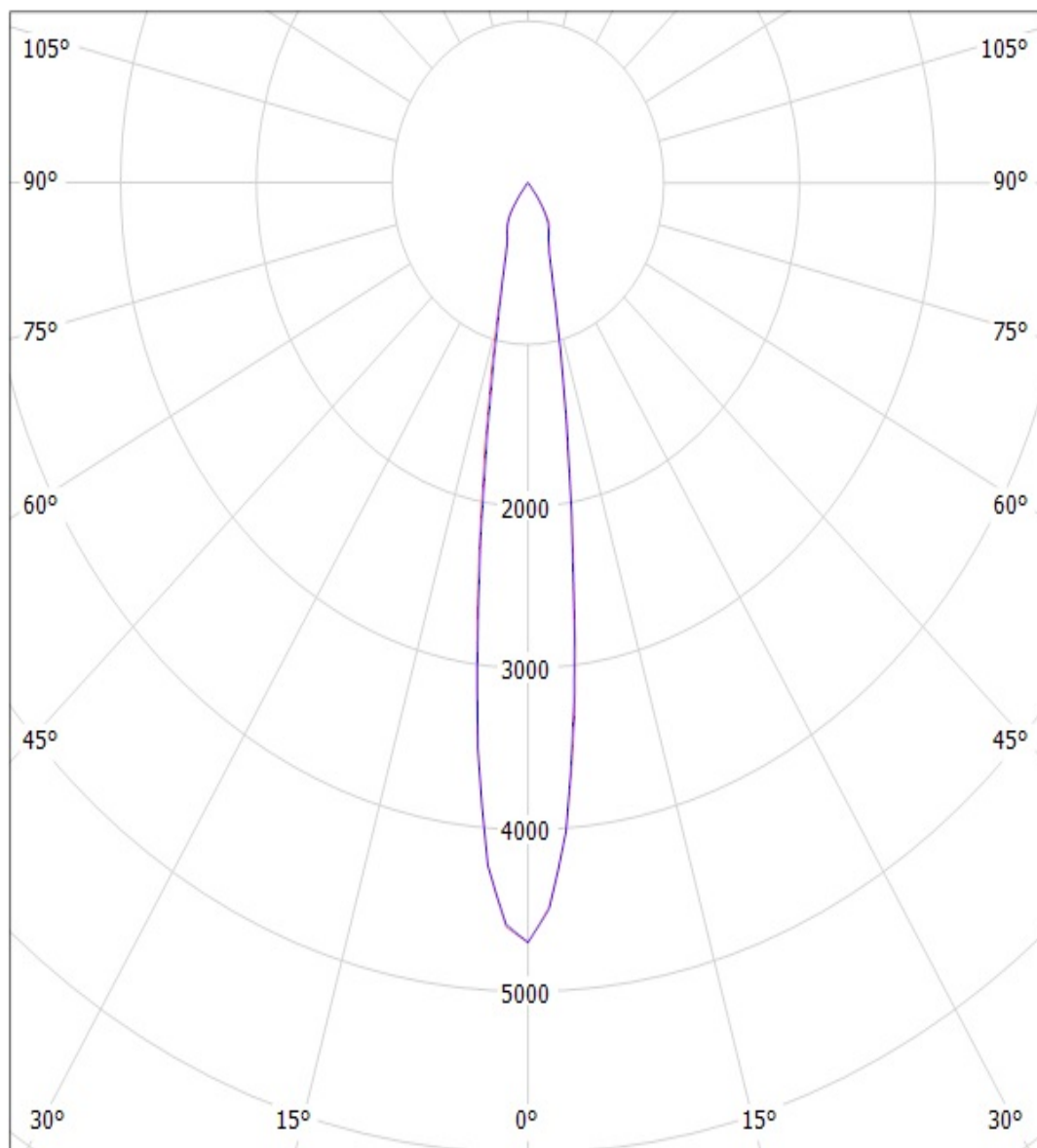
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CN13517_MIRELLA-50-S-CL (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.