PRODUCT DATASHEET
Mirella series
last update 31/10/2016

DETAILS



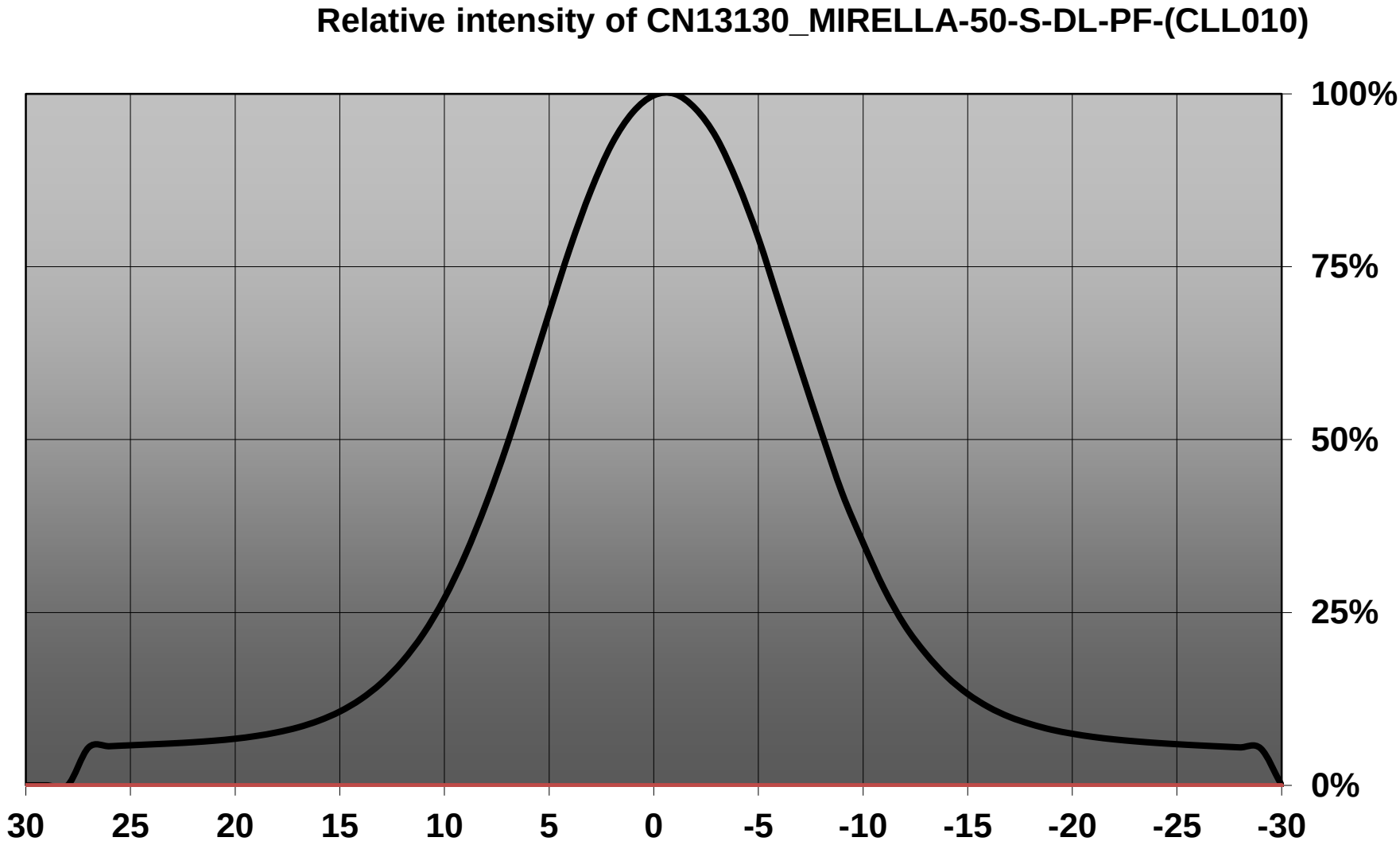
Product Number	CN13130_MIRELLA-50-S-DL-PF
Family	Mirella
Type	RefPack
Color	metal
Diameter	49,9 mm
Height	25,5 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue, screw
Status	production ready
ROHS Comliant	Yes
Date Updated	31/10/2016

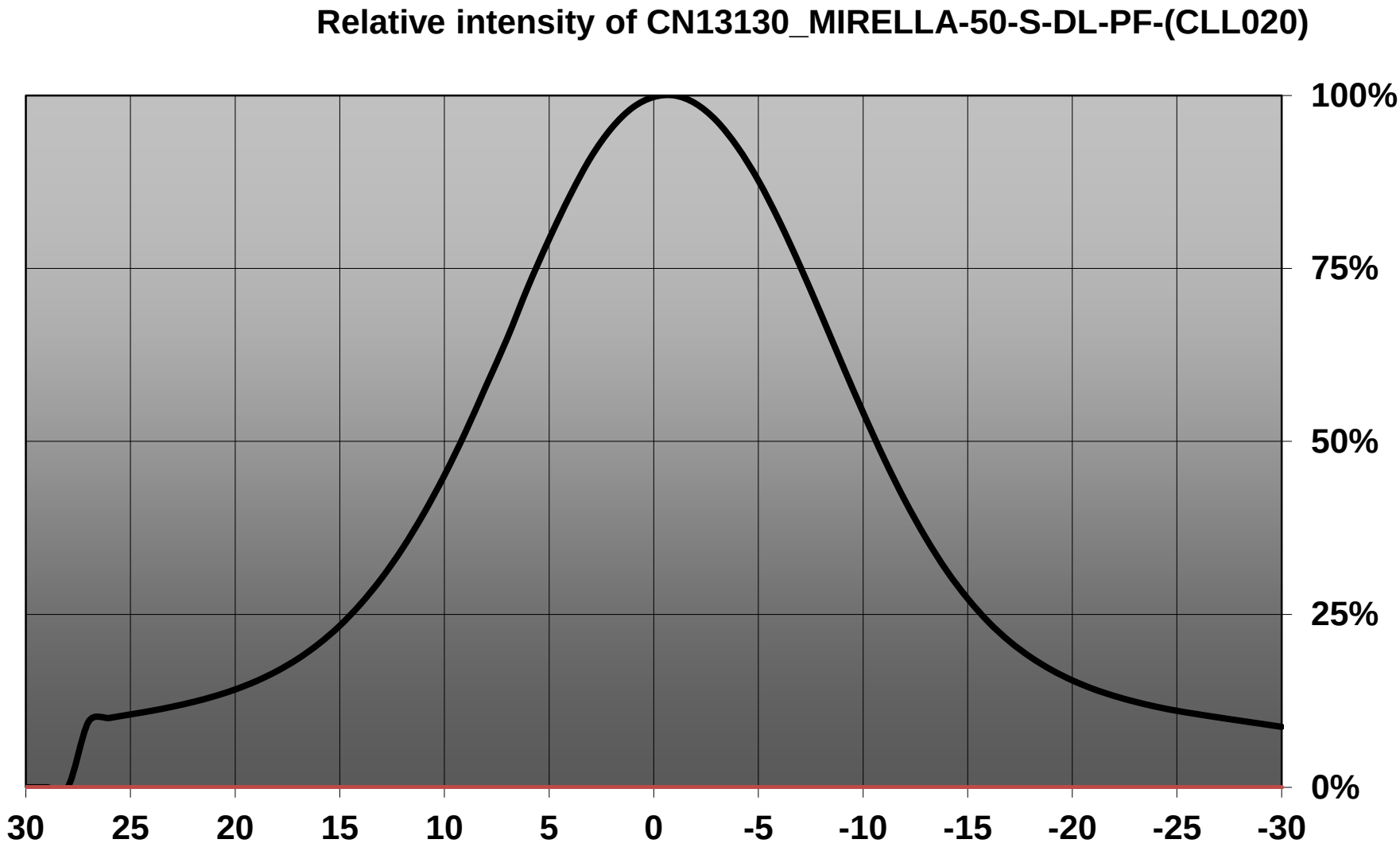
OPTICAL PROPERTIES

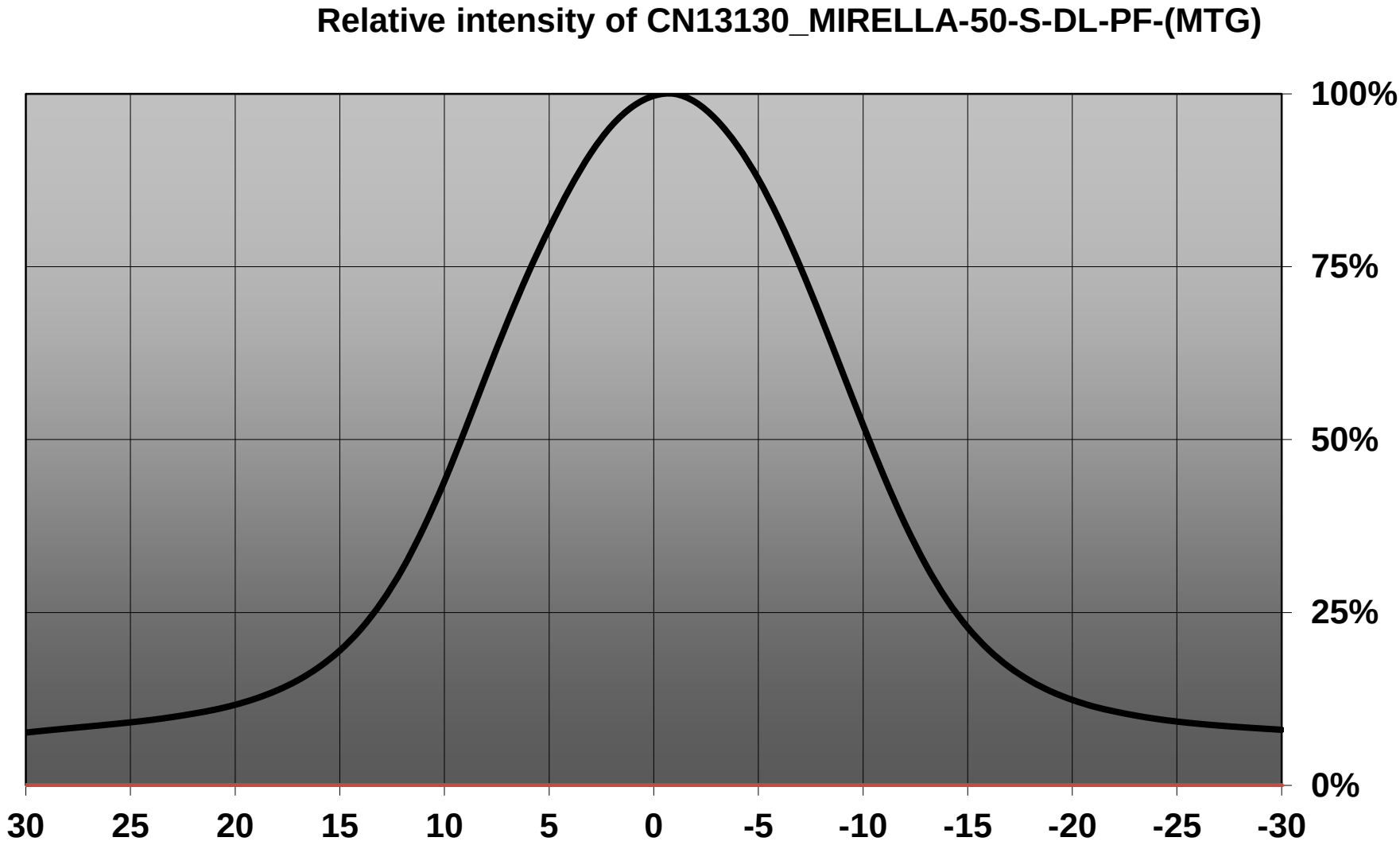
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
CLL01x	15 deg	Spot	84 %	5.800	-
CLL02x/CLU02x (LES10)	20 deg	Spot	83 %	4.200	-
CLU700/701	17 deg	Spot	82 %	4.000	-
MT-G	19 deg	Spot	85 %	4.400	-
MT-G2	18 deg	Spot	85 %	4.600	-
MK-R	15 deg	Spot	82 %	4.900	-
XHP50	15 deg	Spot	85 %	5.300	-
XHP70	17 deg	Spot	84 %	4.300	-
MHD-E/G	17 deg	Spot	87 %	4.100	-
COB 4W	14 deg	Spot	86 %	4.400	-
CXM-9	23 deg	Spot	86 %	2.900	-
Duris S10	18 deg	Spot	80 %	3.600	LEDiL: LEDiL
Duris S8	sim: 14	Spot	sim: 90 %	sim: 7.400	-
Soleriq S9	sim: 24	Spot	sim: 86 %	sim: 2.900	LEDiL: LEDiL
ZC4/6	21 deg	Spot	83 %	3.400	-
Mini Zenigata (GW6BM)	20 deg	Spot	84 %	3.200	-

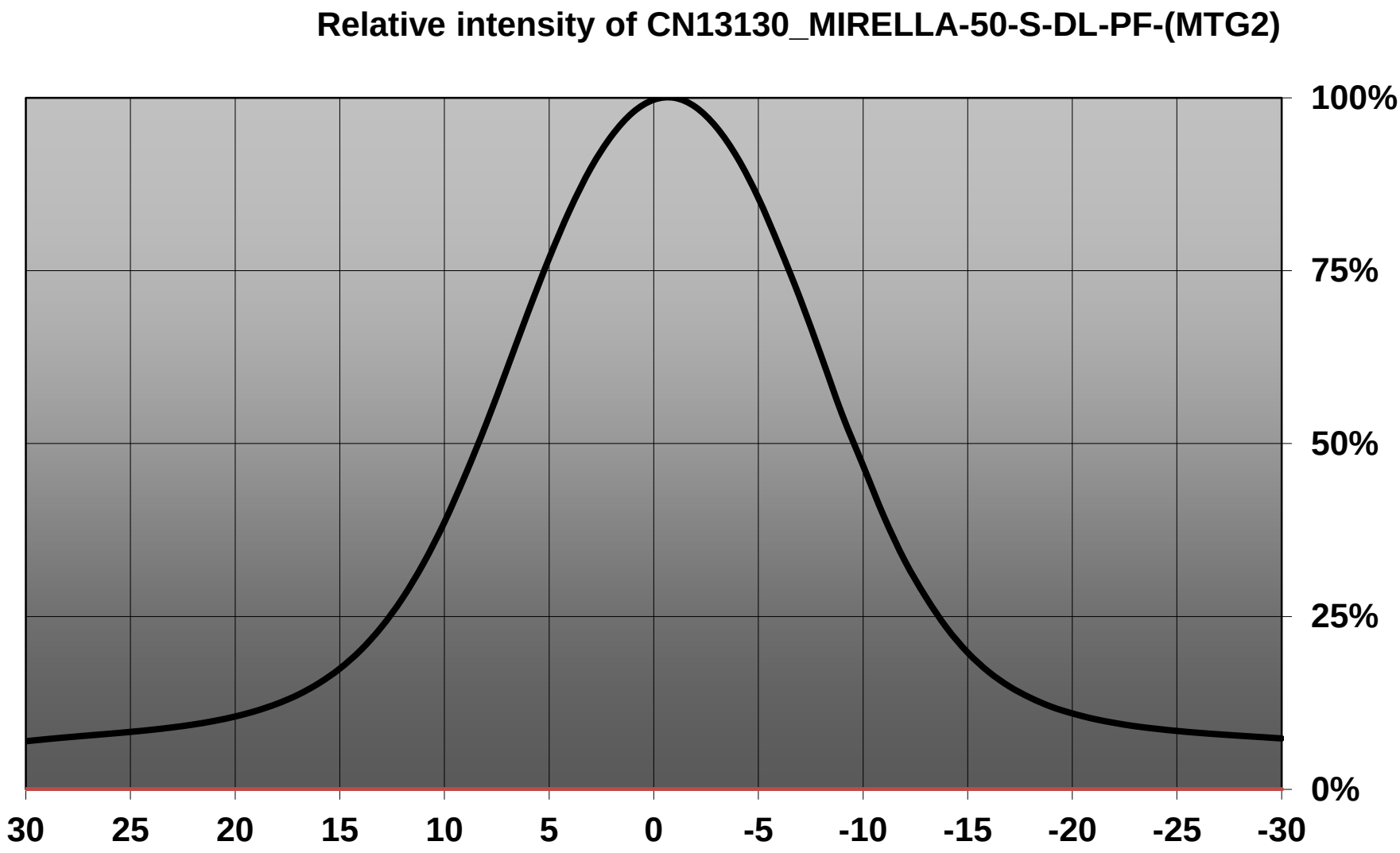
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

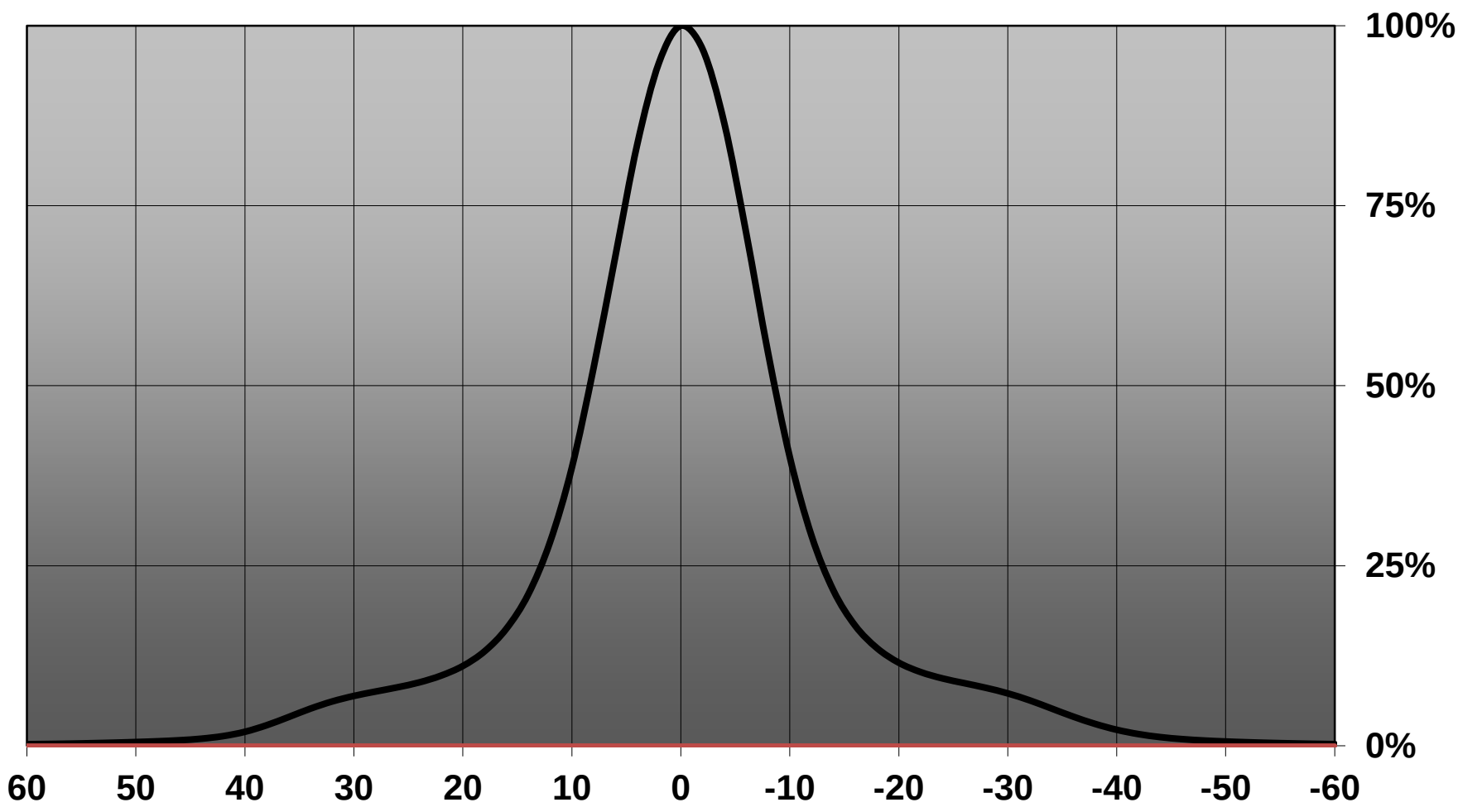

Relative intensity of CN13130_MIRELLA-50-S-DL-PF-(CLL010)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

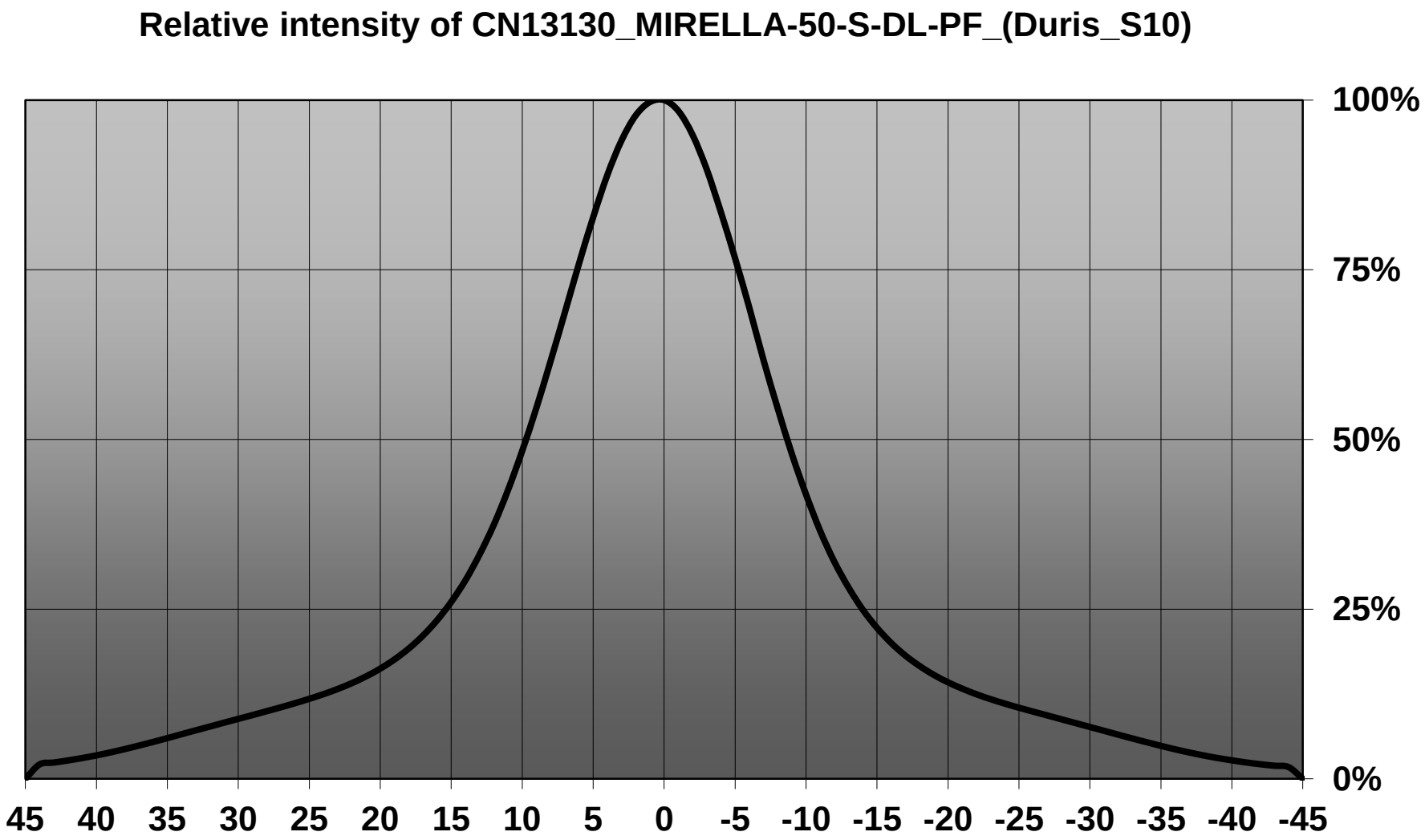

Relative intensity of CN13130_MIRELLA-50-S-DL-PF-(CLL020)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

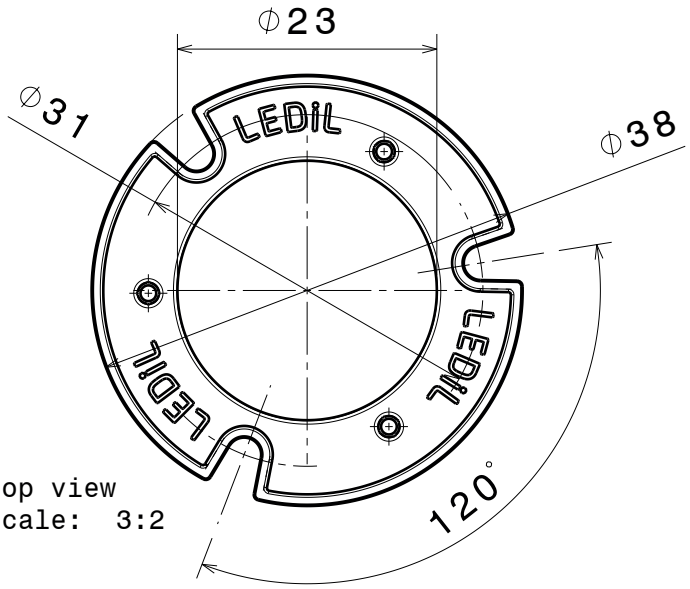

Relative intensity of CN13130_MIRELLA-50-S-DL-PF-(MTG)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30


Relative intensity of CN13130_MIRELLA-50-S-DL-PF-(MTG2)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

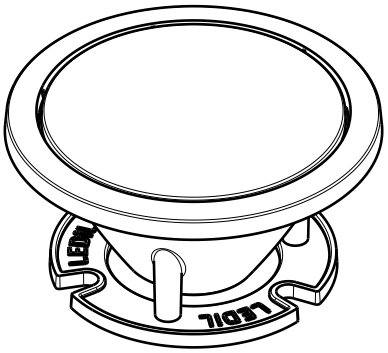
Relative intensity of Mirella-S-DL-4WLG



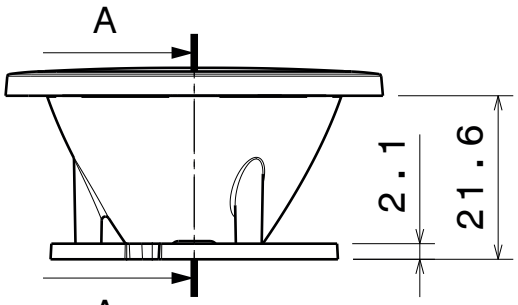

Relative intensity of CN13130_MIRELLA-50-S-DL-PF_(Duris_S10)
100%
75%
50%
25%
0%
45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45



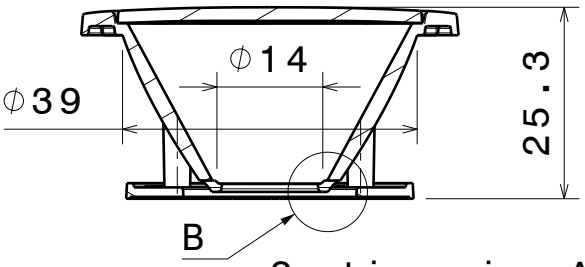
Top view
Scale: 3:2



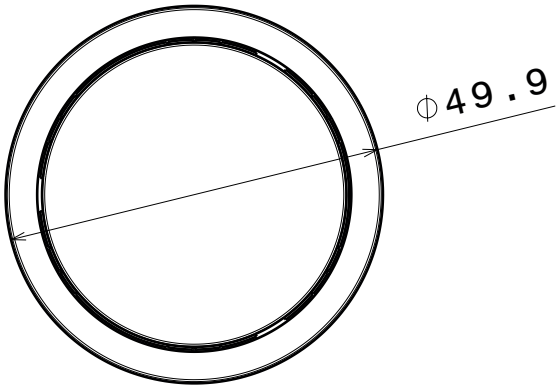
Isometric view



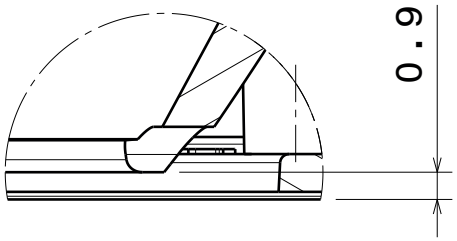
Front view



Section view A-A



Top view



Detail B

NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.
http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf

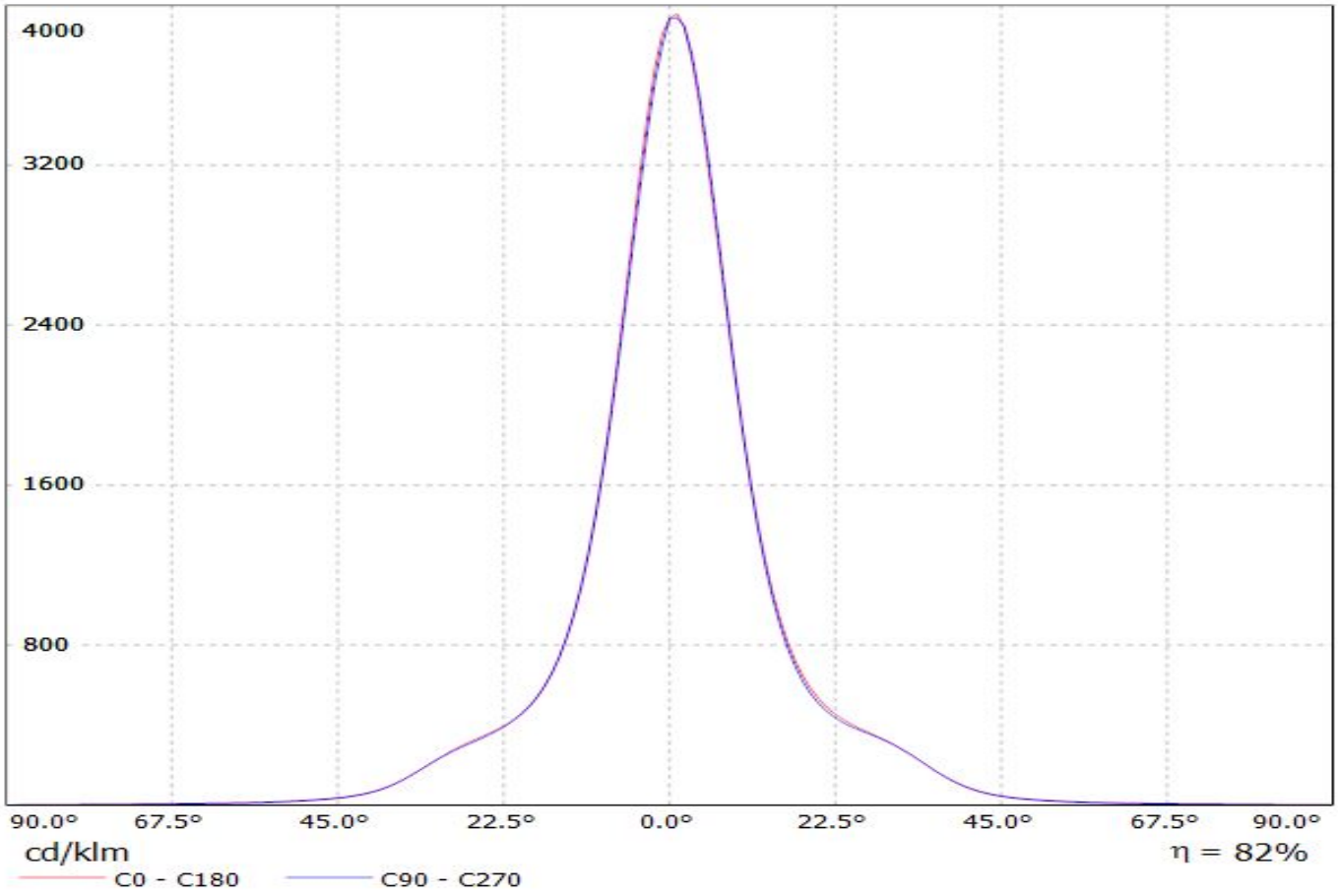
This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

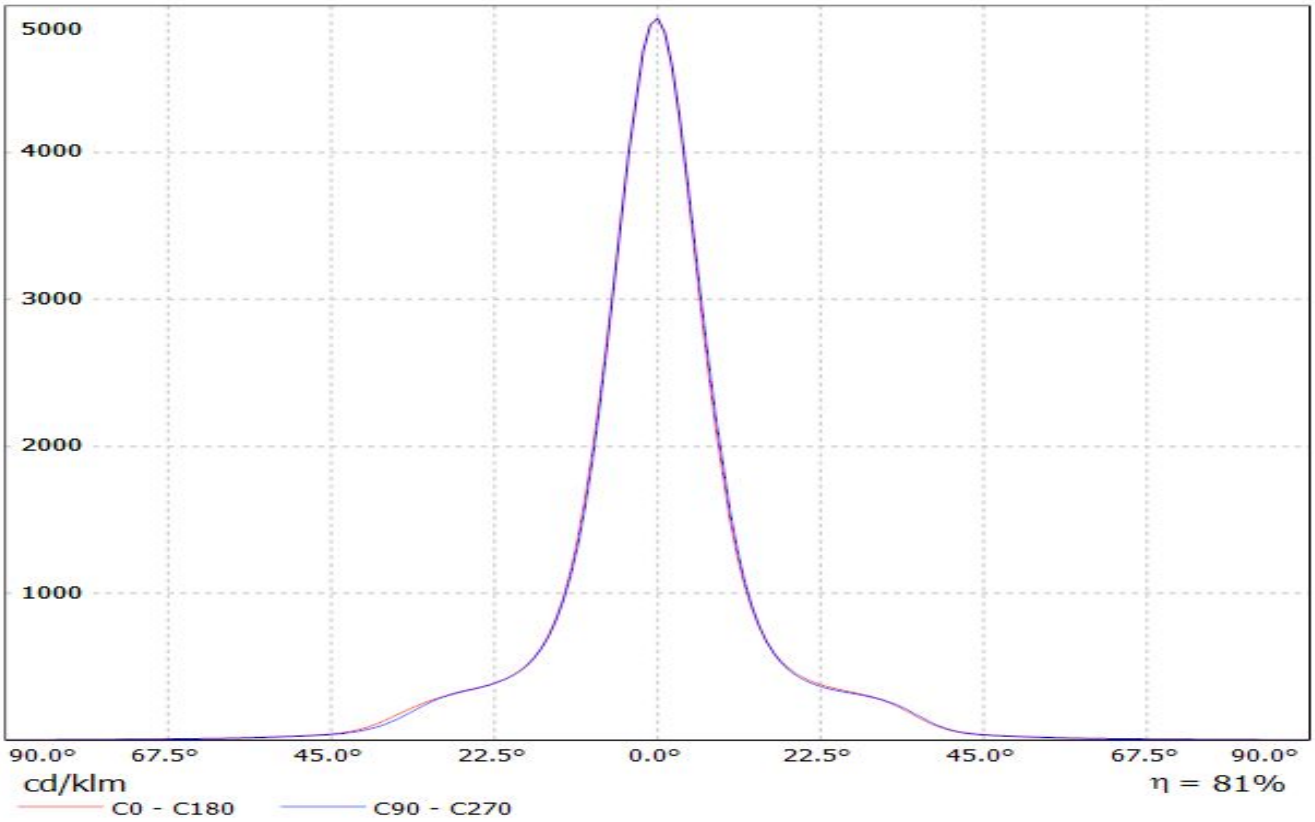
DRAWN BY: as	DATE: 28.8.2012	DRAWING TITLE: Mechanical drawing			
CHECKED BY: vs	DATE: 28.8.2012	SIZE: A4			REV: 001
DESIGNED BY: as	DATE: -	SCALE: 1:1	WEIGHT: -		SHEET: 1/1

MIRELLA-DL-PF

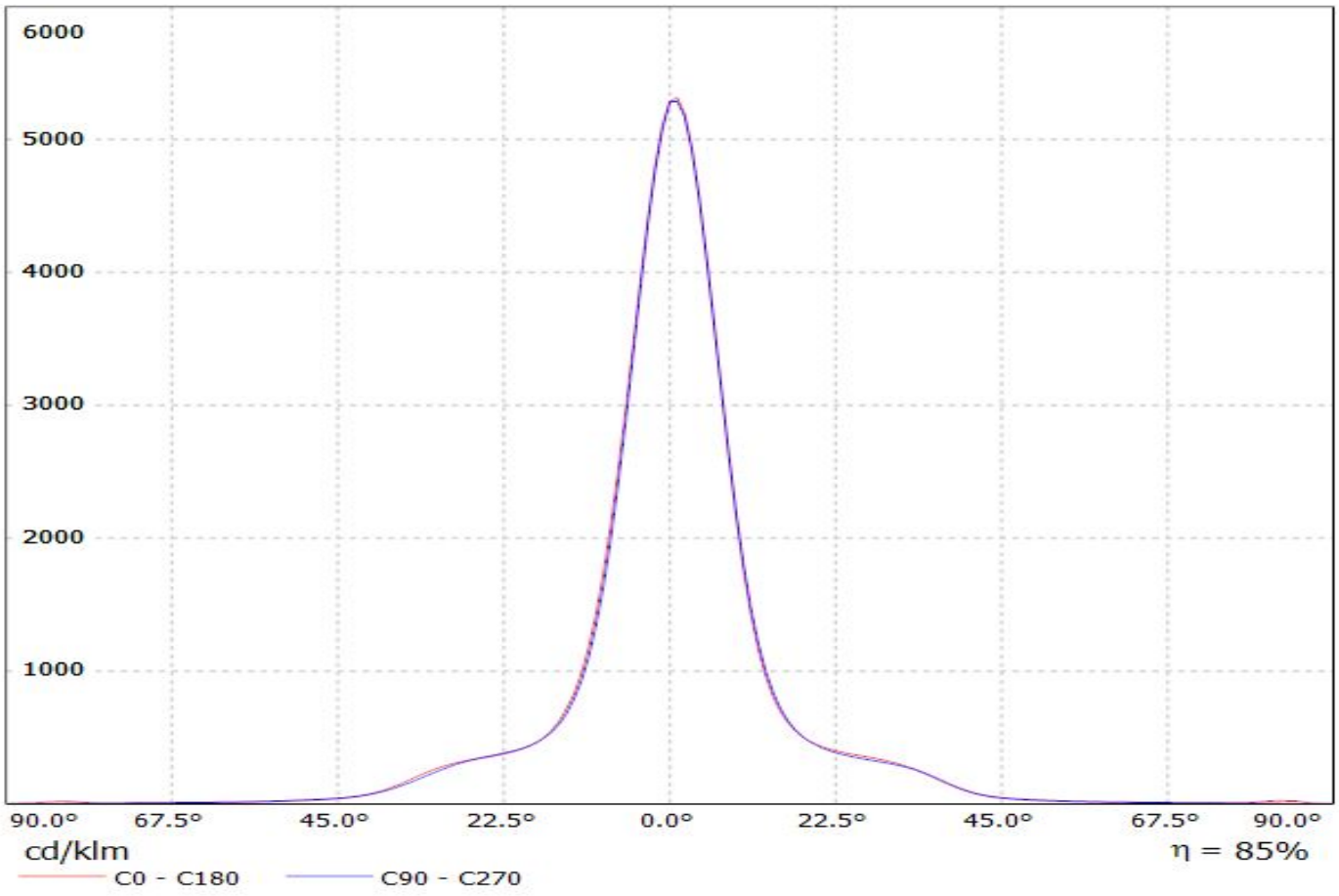
Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CLU700)
Lamps: 1 x Citizen_CLU700_C13083_PF-SOCKET_394.785lm@100mA_P=2.92999W_I=0.1044A



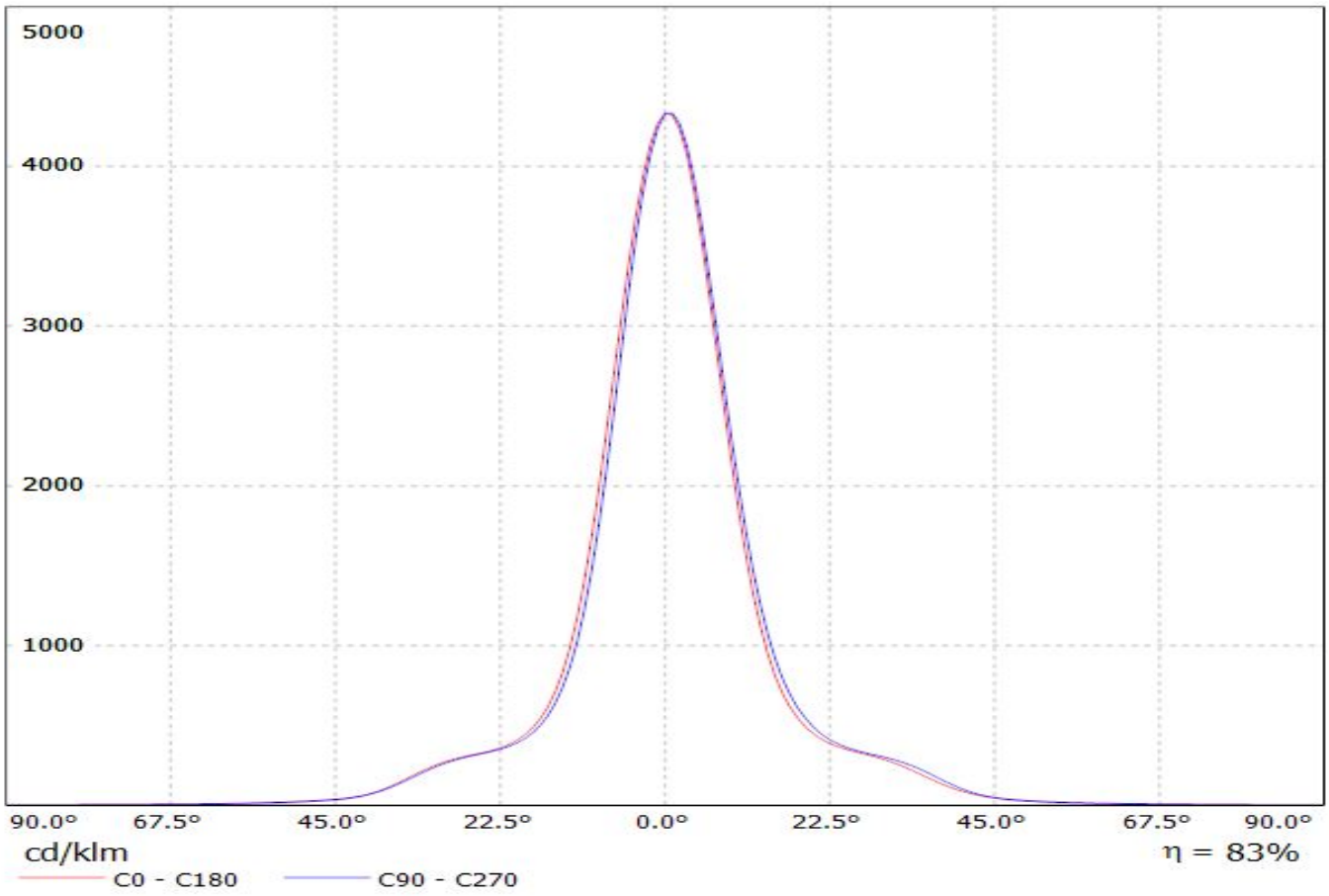
Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(MK-R) Eff.82%
Lamps: 1 x CREE_MK-R_358.348lm@250mA_P=2.84311W_I=249.9mA



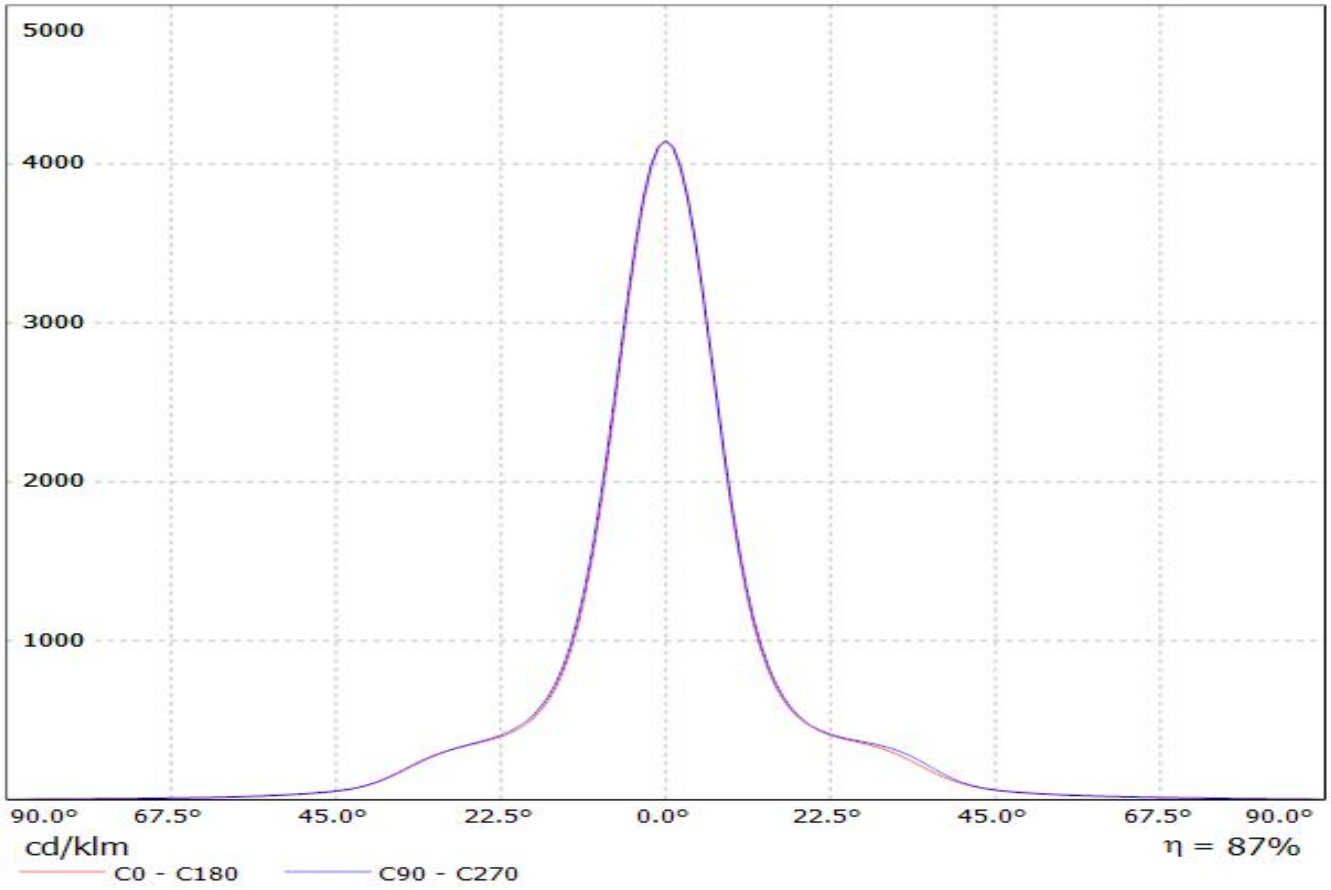
Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.142lm@250mA_P=1.39939W_I=0.2499A



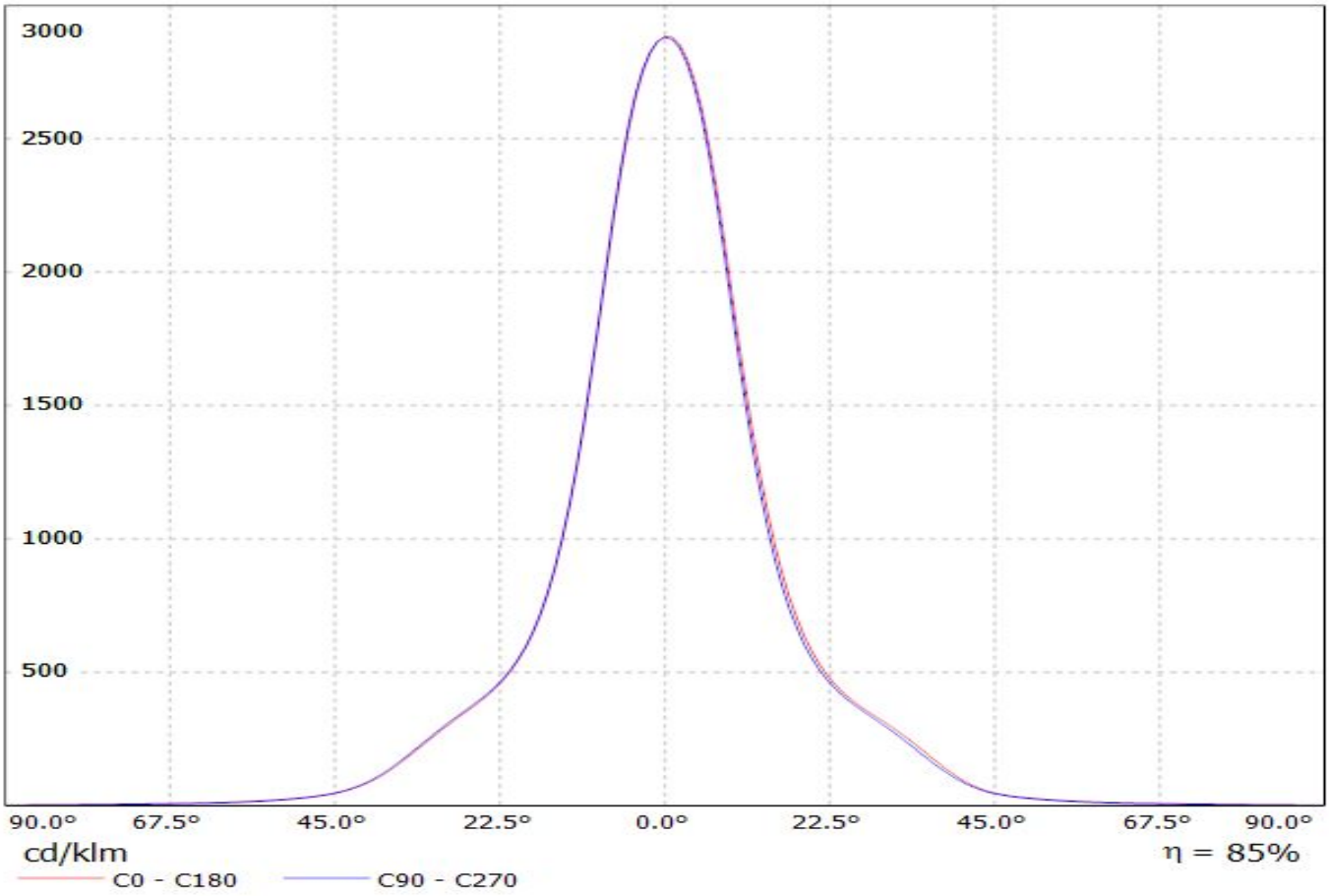
Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.212lm@250mA_P=1.383W_I=0.2499A



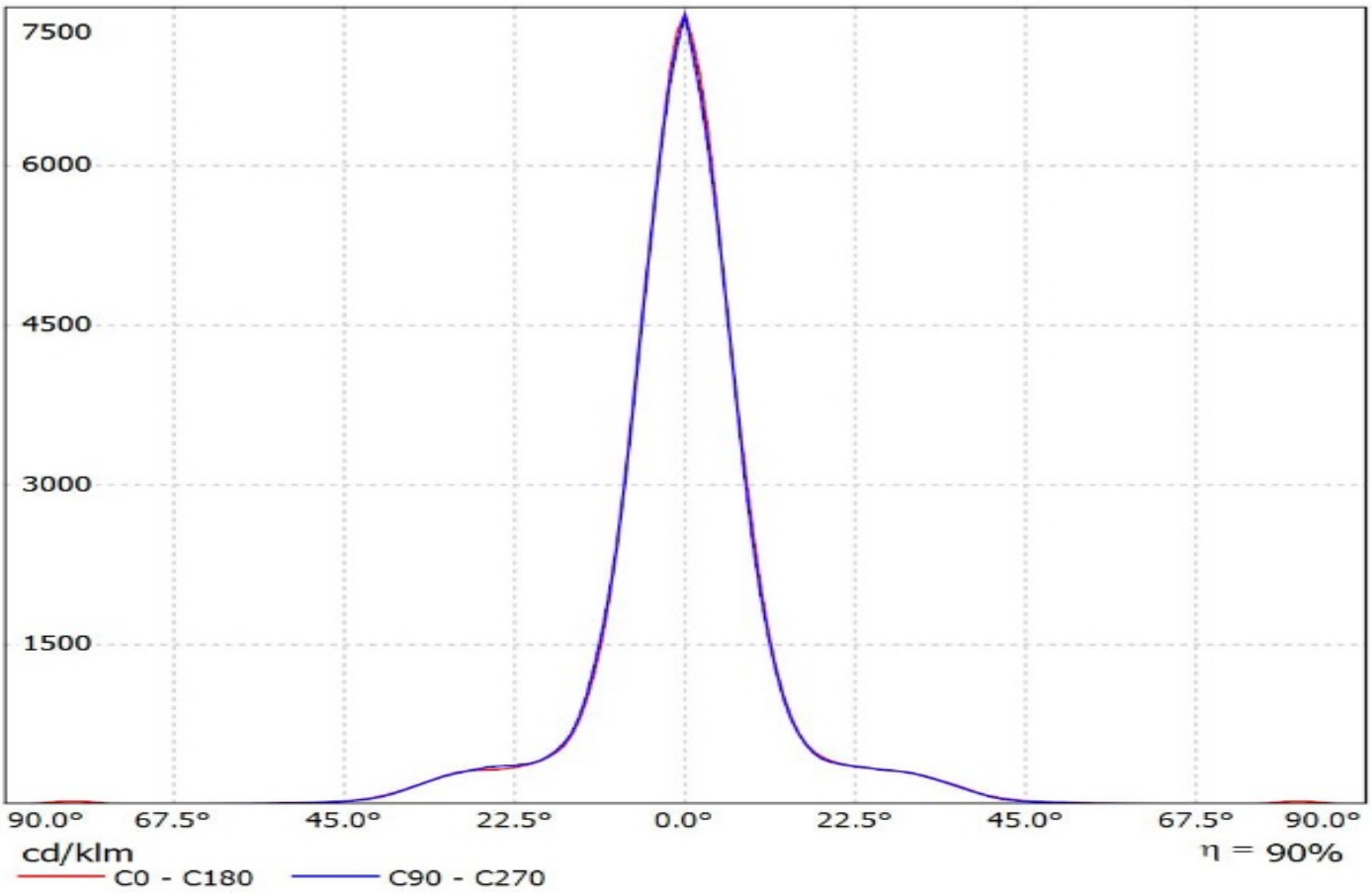
Luminaire: Ledil CN13130_MIRELLA-50-S-DL-PF_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



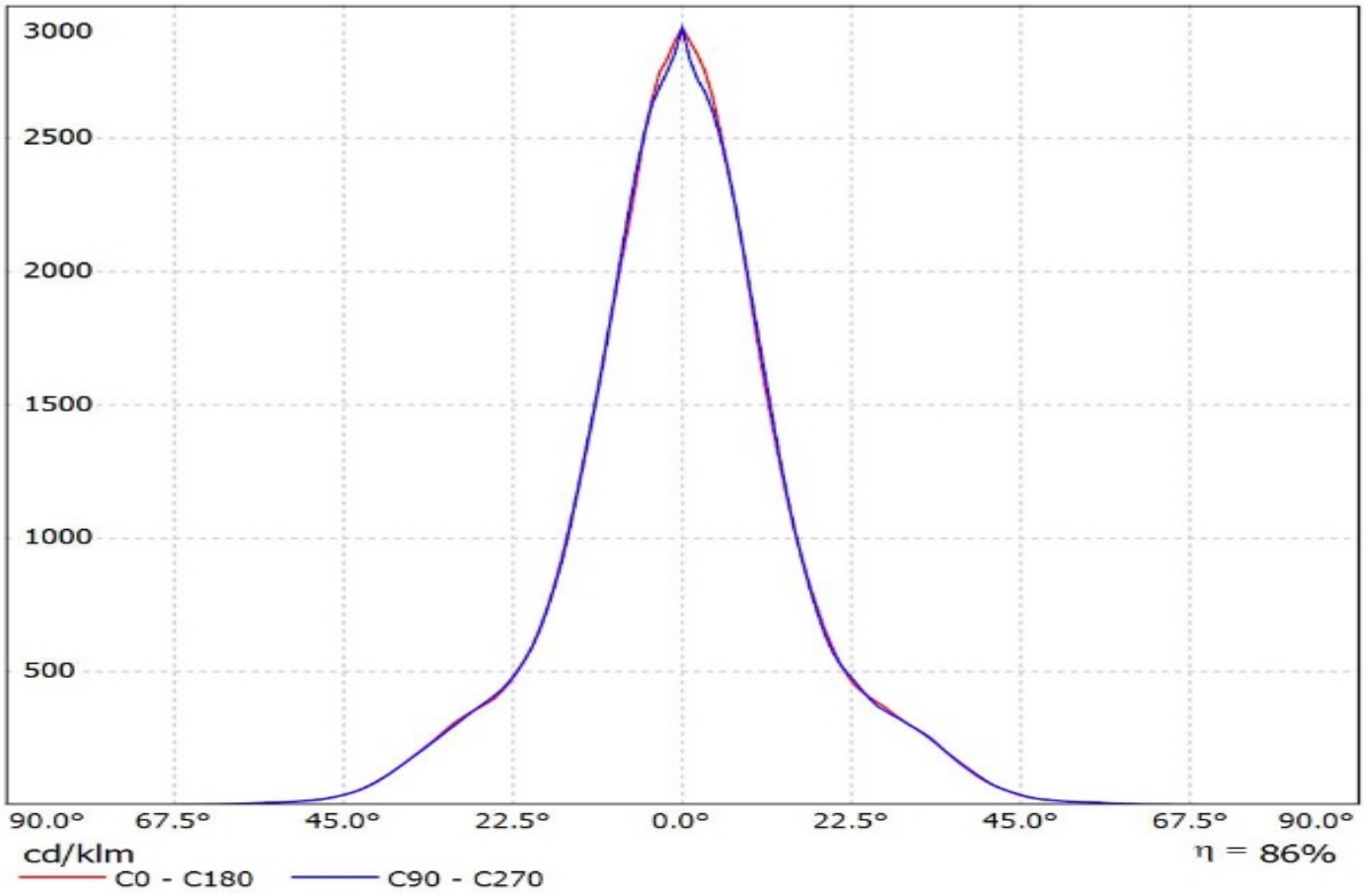
Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.297lm@240mA_P=8.2836W_I=240mA



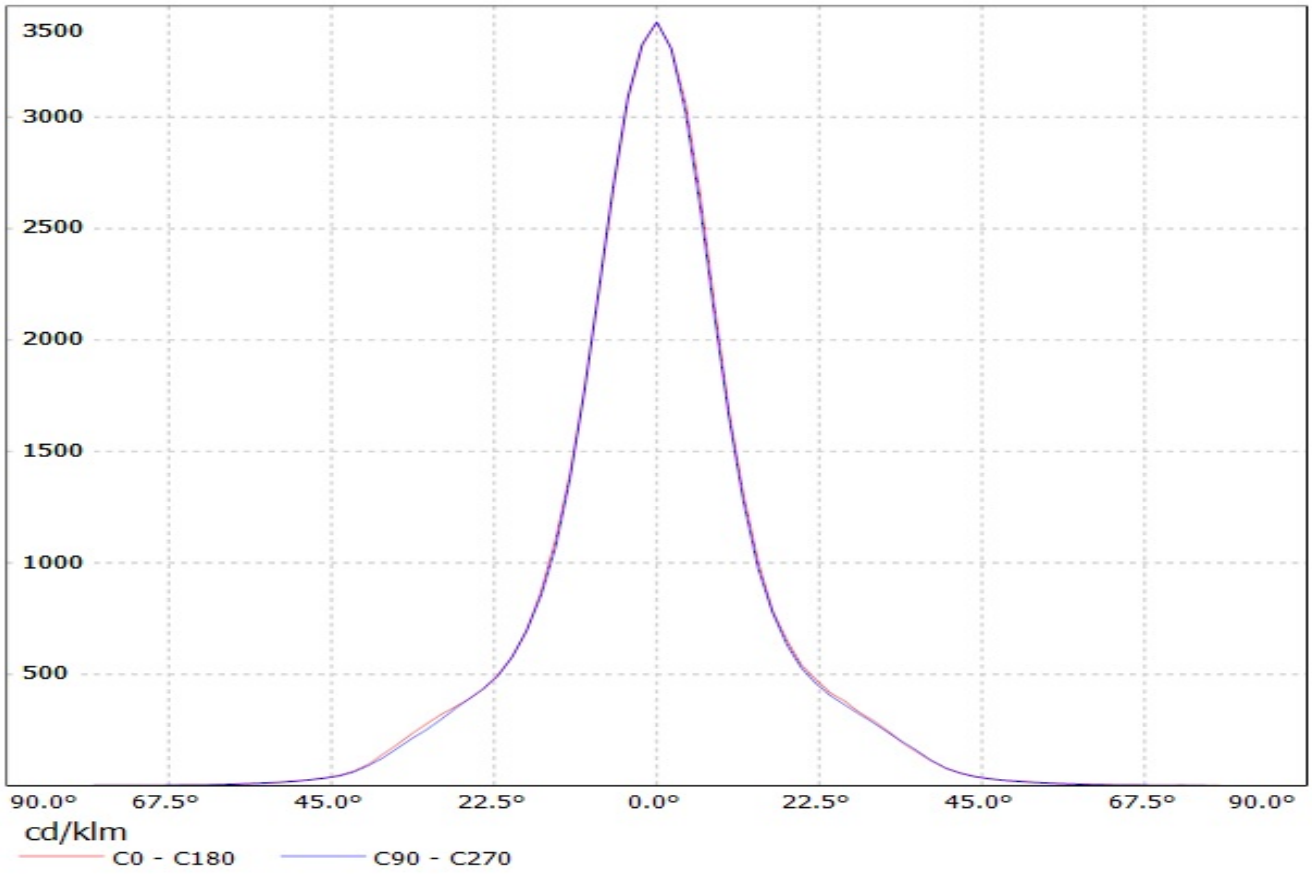
Luminaire: Ledil Oy CN13130_MIRELLA-50-S-DL-PF_(Duris_S8)_SIMULATED
Lamps: 1 x Osram Duris S8



Luminaire: Ledil Oy CN13130_MIRELLA-50-S-DL-PF_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

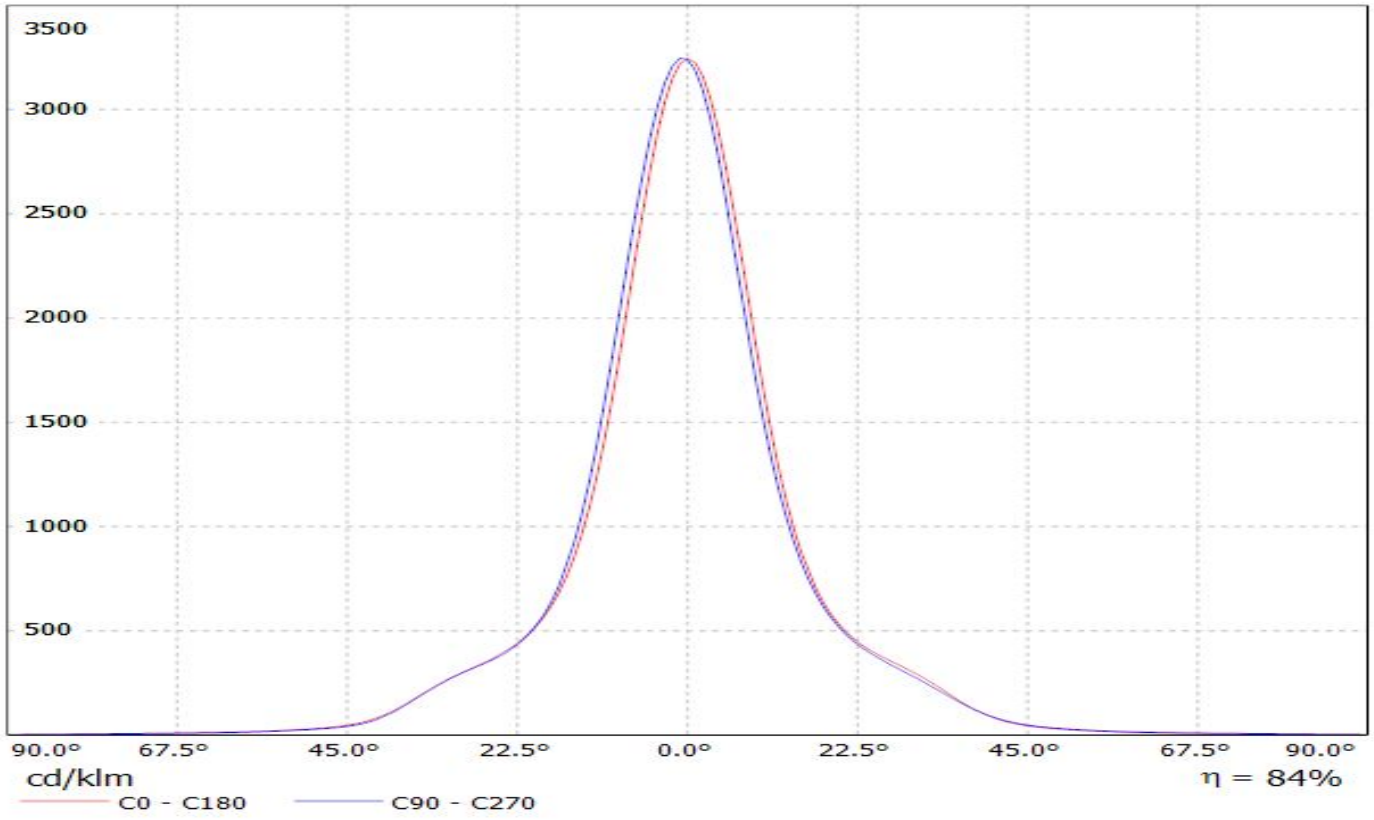


Luminaire: LEDil Oy CN13130_MIRELLA-50-S-DL-PF_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA

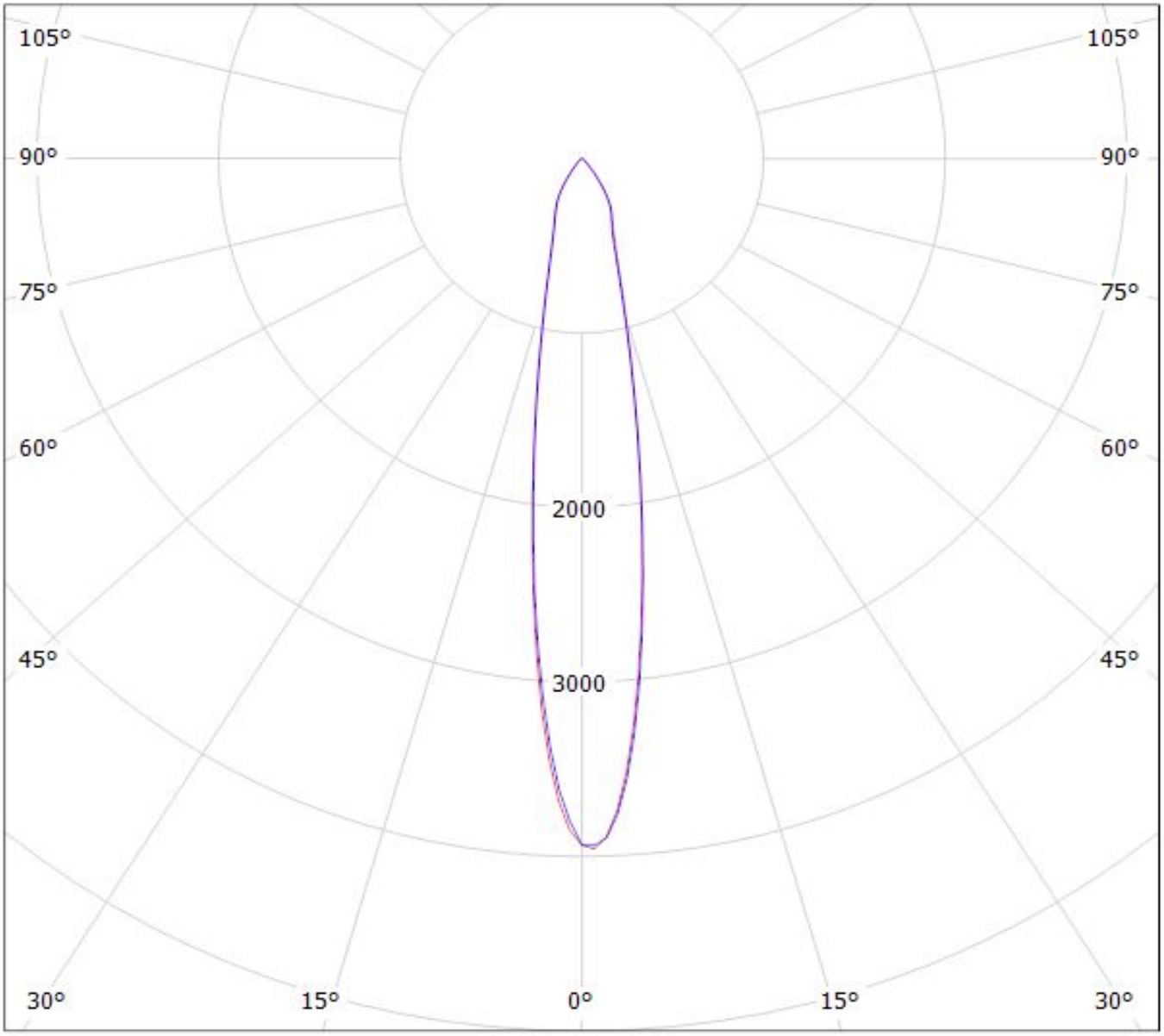


LEDiL Oy CN12483_MIRELLA-50-S-DL_(Mini_Zenigata) Eff.84.2% / LDC (Linear)

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



Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CLU700)
Lamps: 1 x Citizen_CLU700_C13083_PF-SOCKET_394.785lm@100mA_P=2.92999W_I=0.1044A

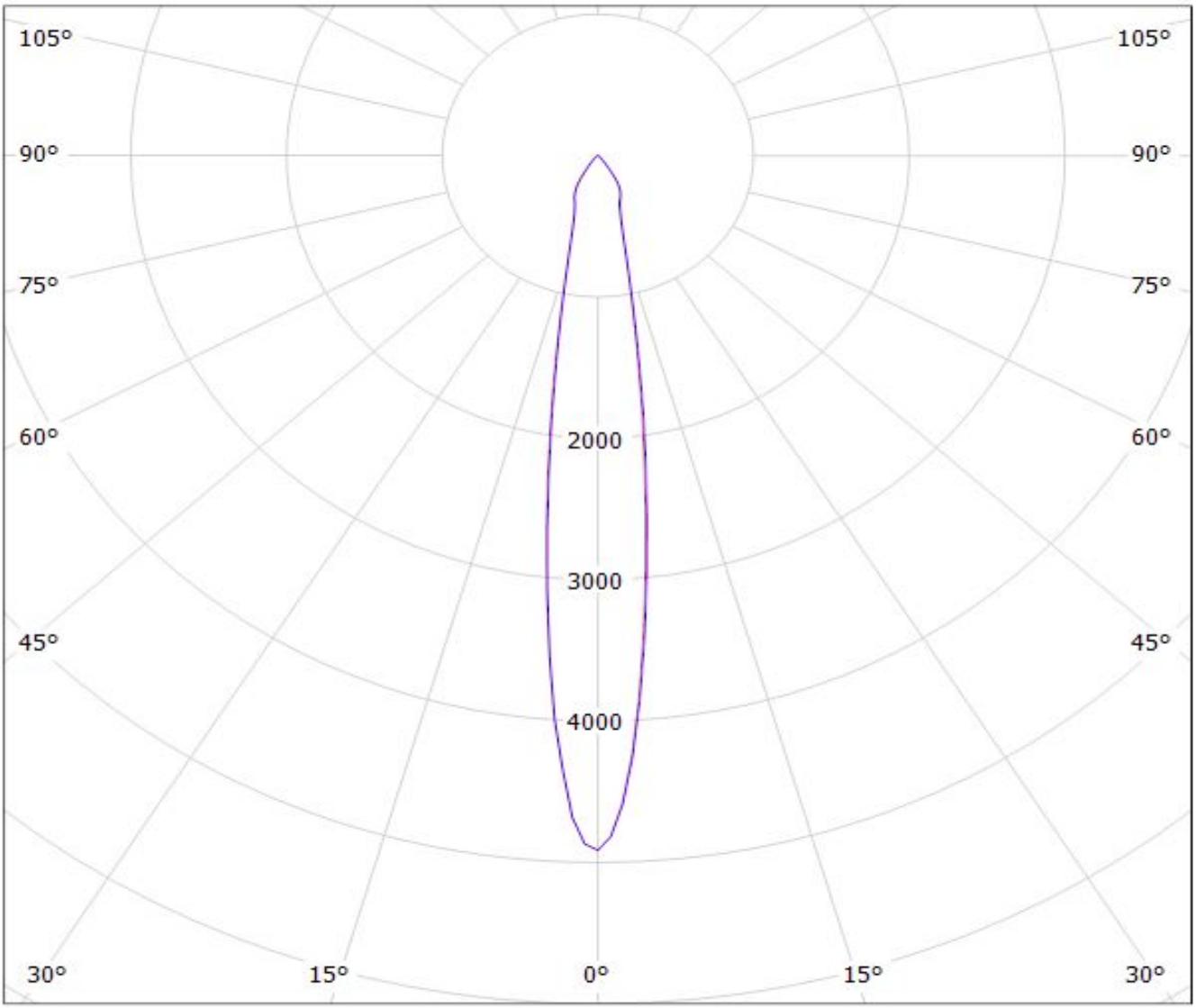


cd/klm

η = 82%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(MK-R) Eff.82%
Lamps: 1 x CREE_MK-R_358.348lm@250mA_P=2.84311W_I=249.9mA

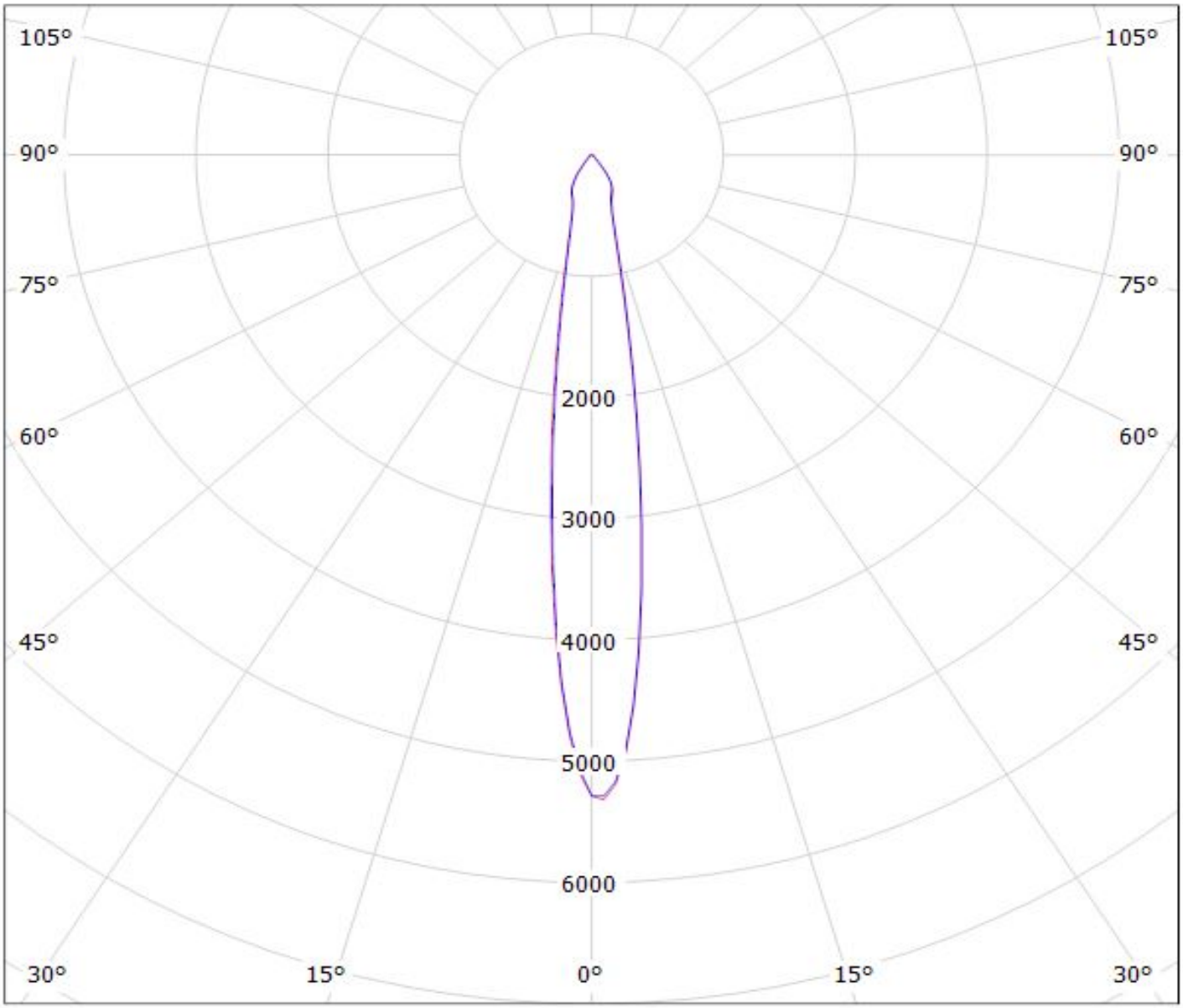


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_194.142lm@250mA_P=1.39939W_I=0.2499A

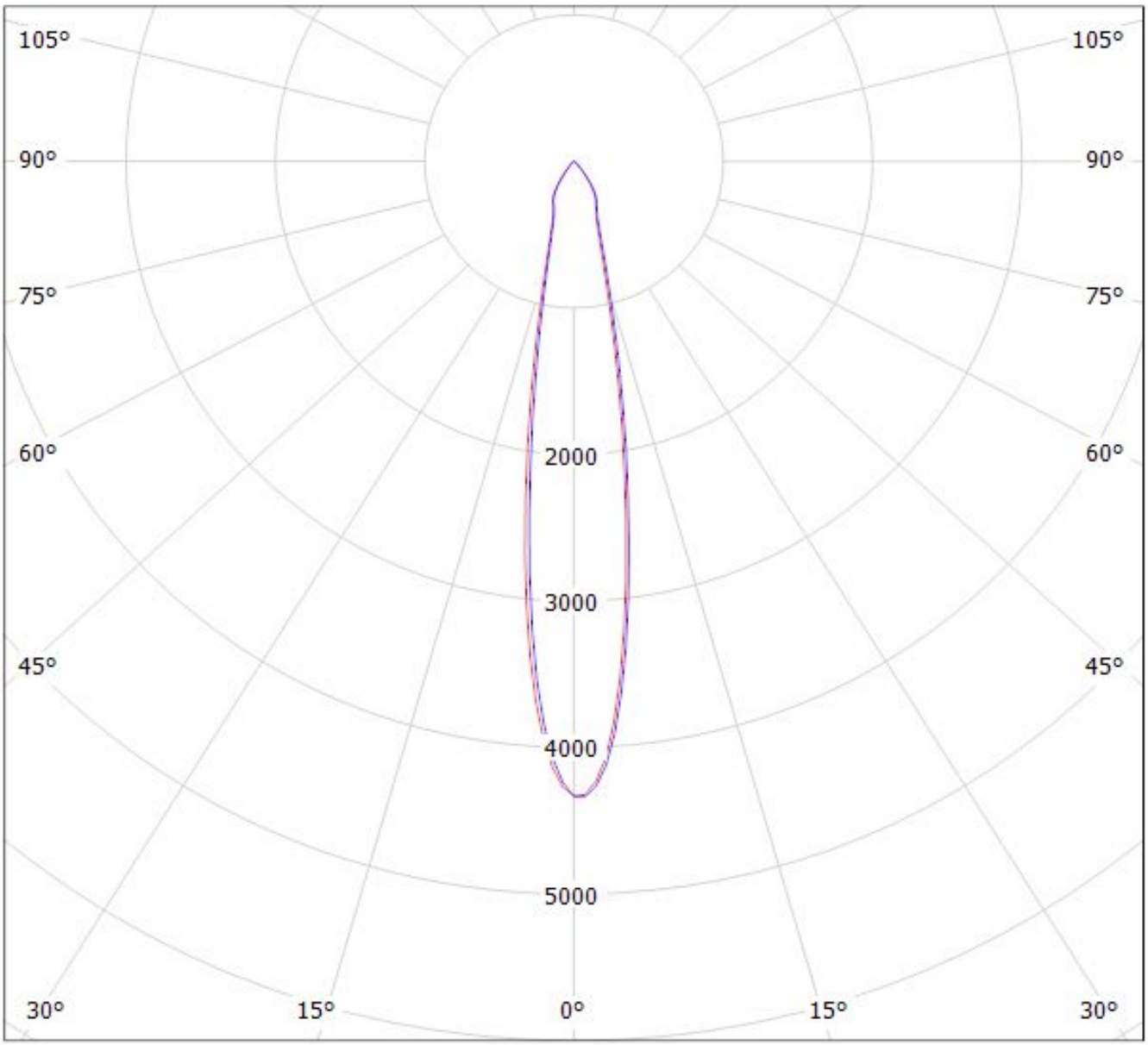


cd/klm

η = 85%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.212lm@250mA_P=1.383W_I=0.2499A

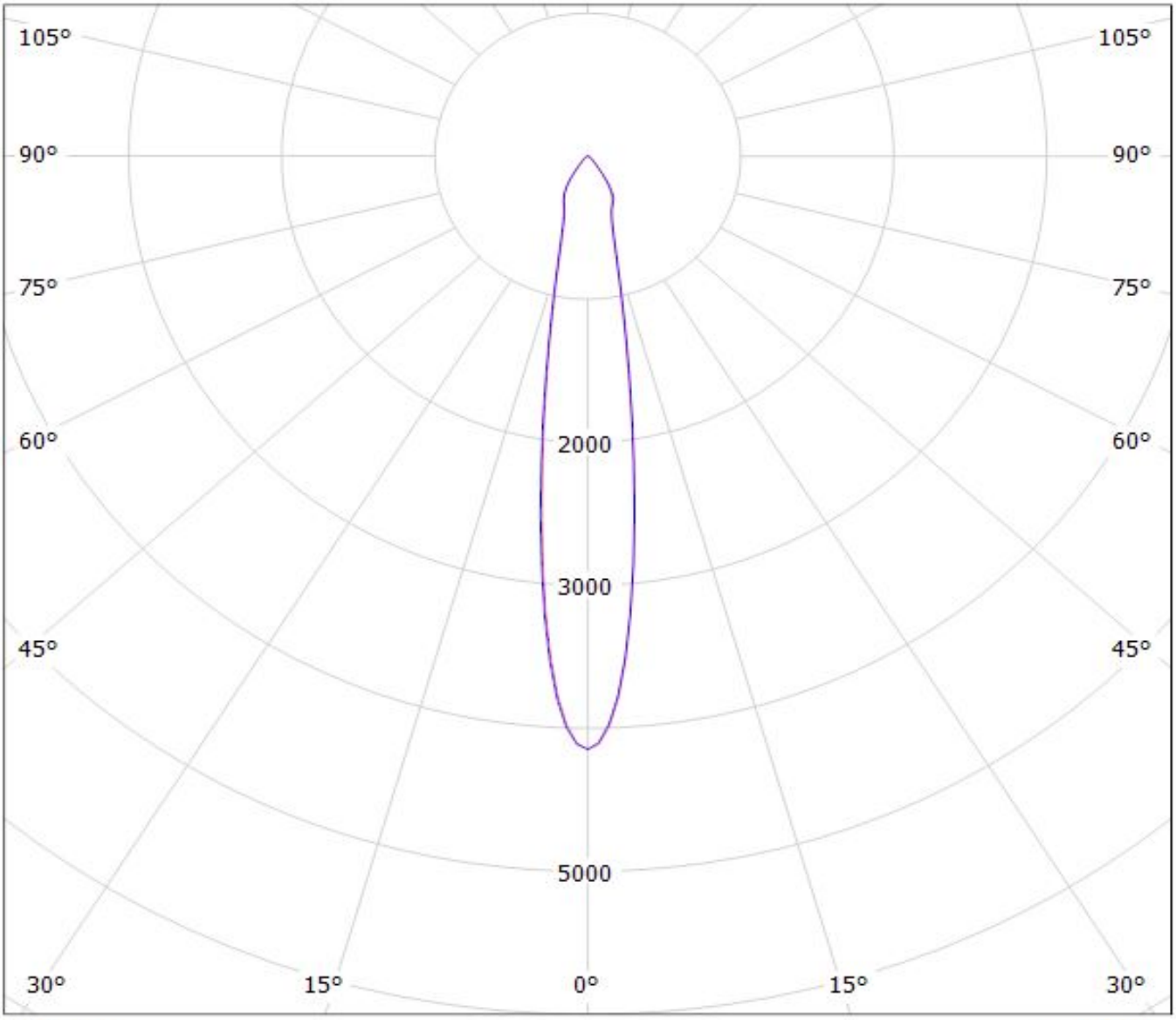


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: Ledil CN13130_MIRELLA-50-S-DL-PF_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A

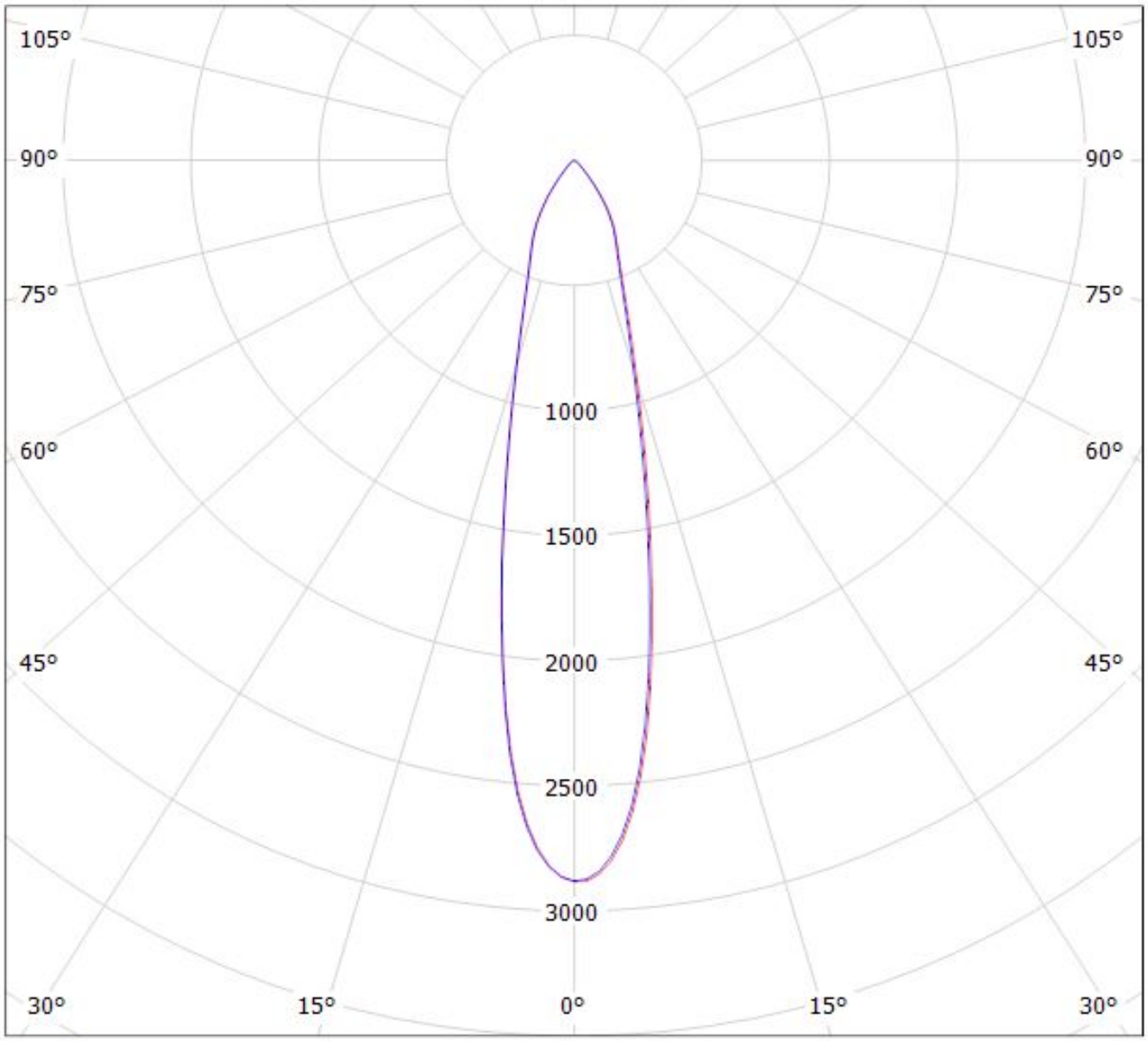


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_974.297lm@240mA_P=8.2836W_I=240mA

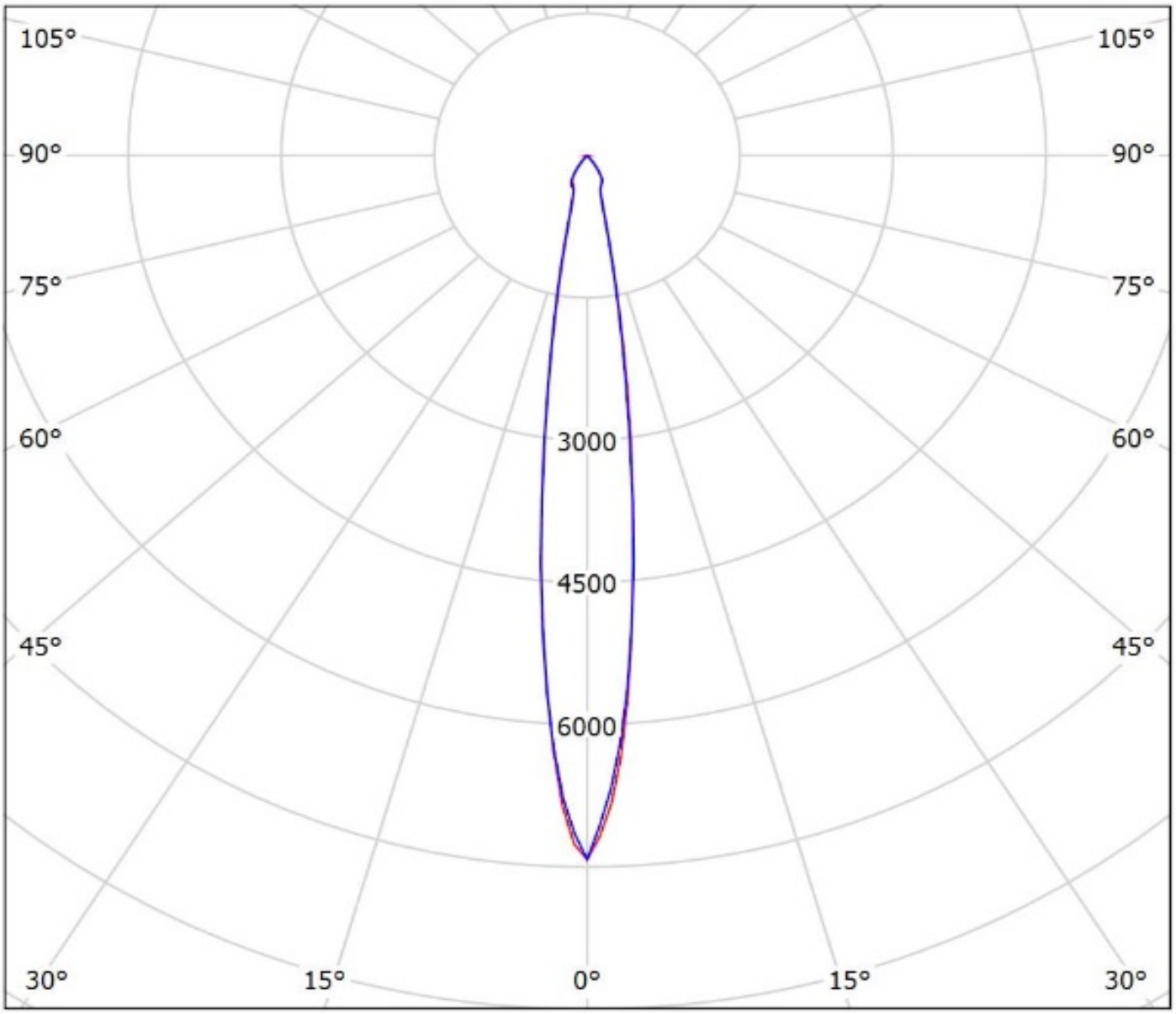


cd/klm

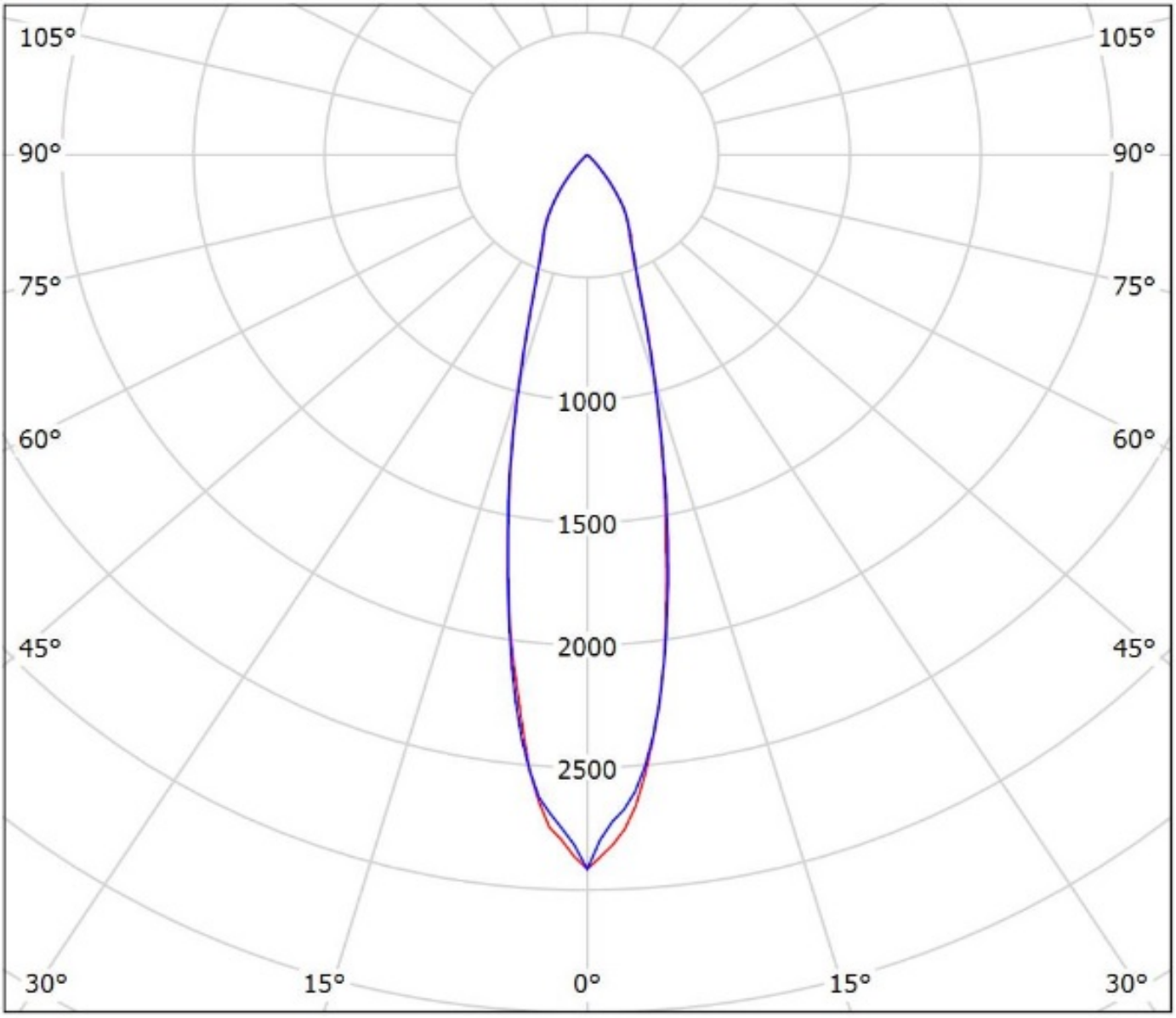
η = 85%

C0 - C180 C90 - C270

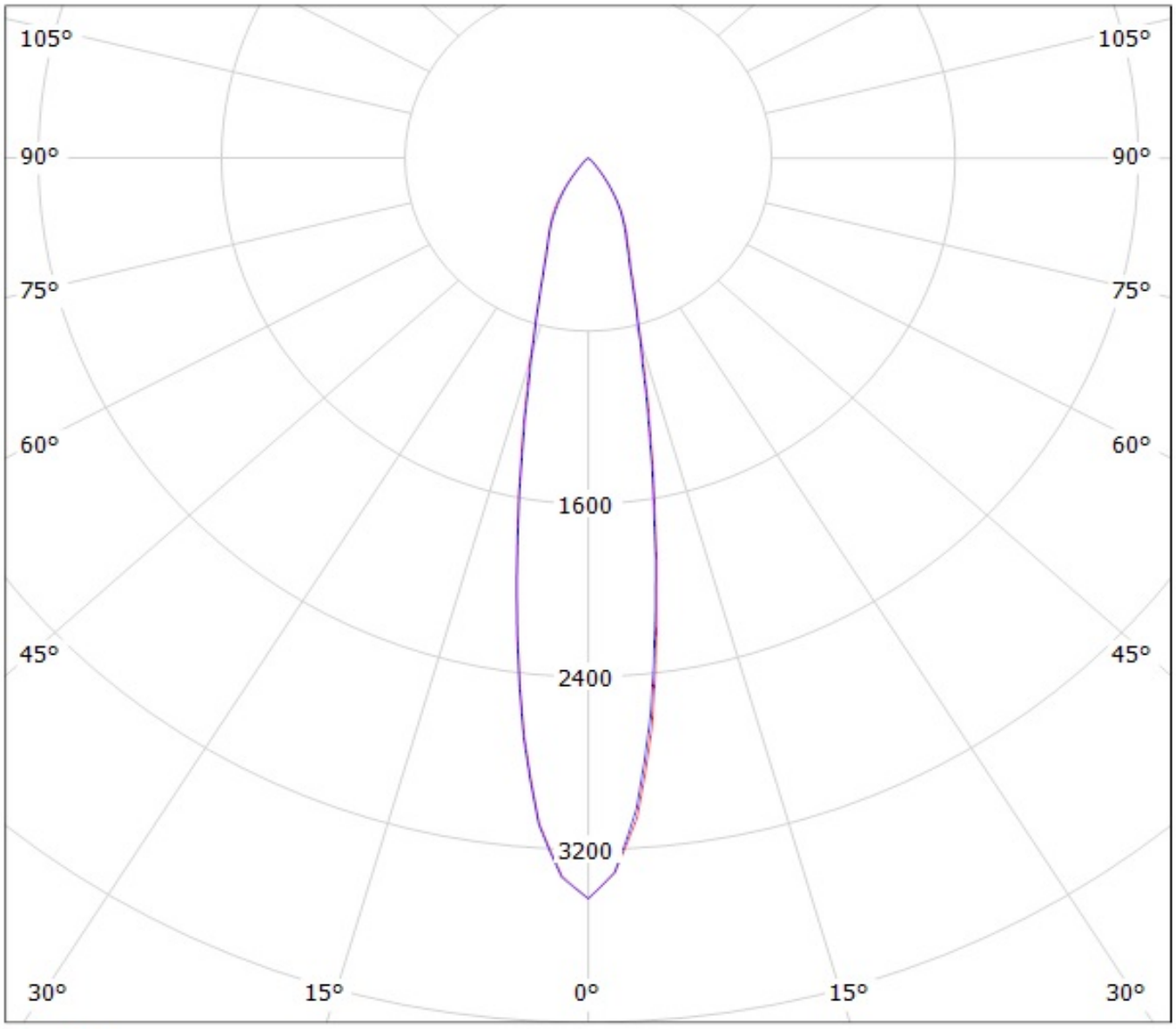
Luminaire: Ledil Oy CN13130_MIRELLA-50-S-DL-PF_(Duris_S8)_SIMULATED
Lamps: 1 x Osram Duris S8



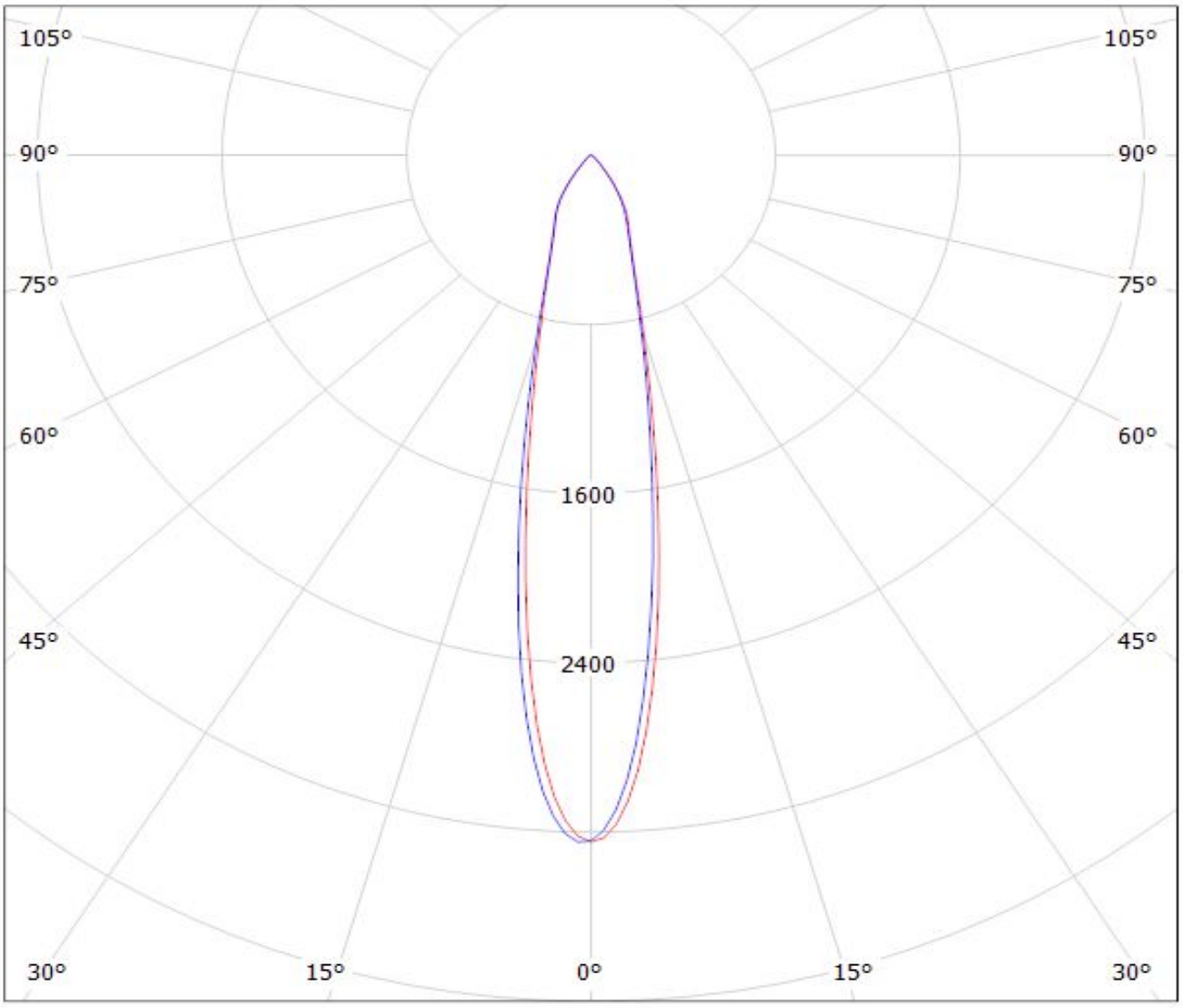
Luminaire: Ledil Oy CN13130_MIRELLA-50-S-DL-PF_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



Luminaire: LEDil Oy CN13130_MIRELLA-50-S-DL-PF_(ZC6) Efficiency=83%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: LEDiL Oy CN13130_MIRELLA-50-S-DL-PF_(Mini_Zenigata_GW6BM) Eff.84.2%
Lamps: 1 x Mini_Zenigata_GW6BM (803.772lm@250mA)



cd/klm

η = 84%

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.