Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

PRODUCT DATASHEET
Mirella series
last update 1/11/2016

DETAILS

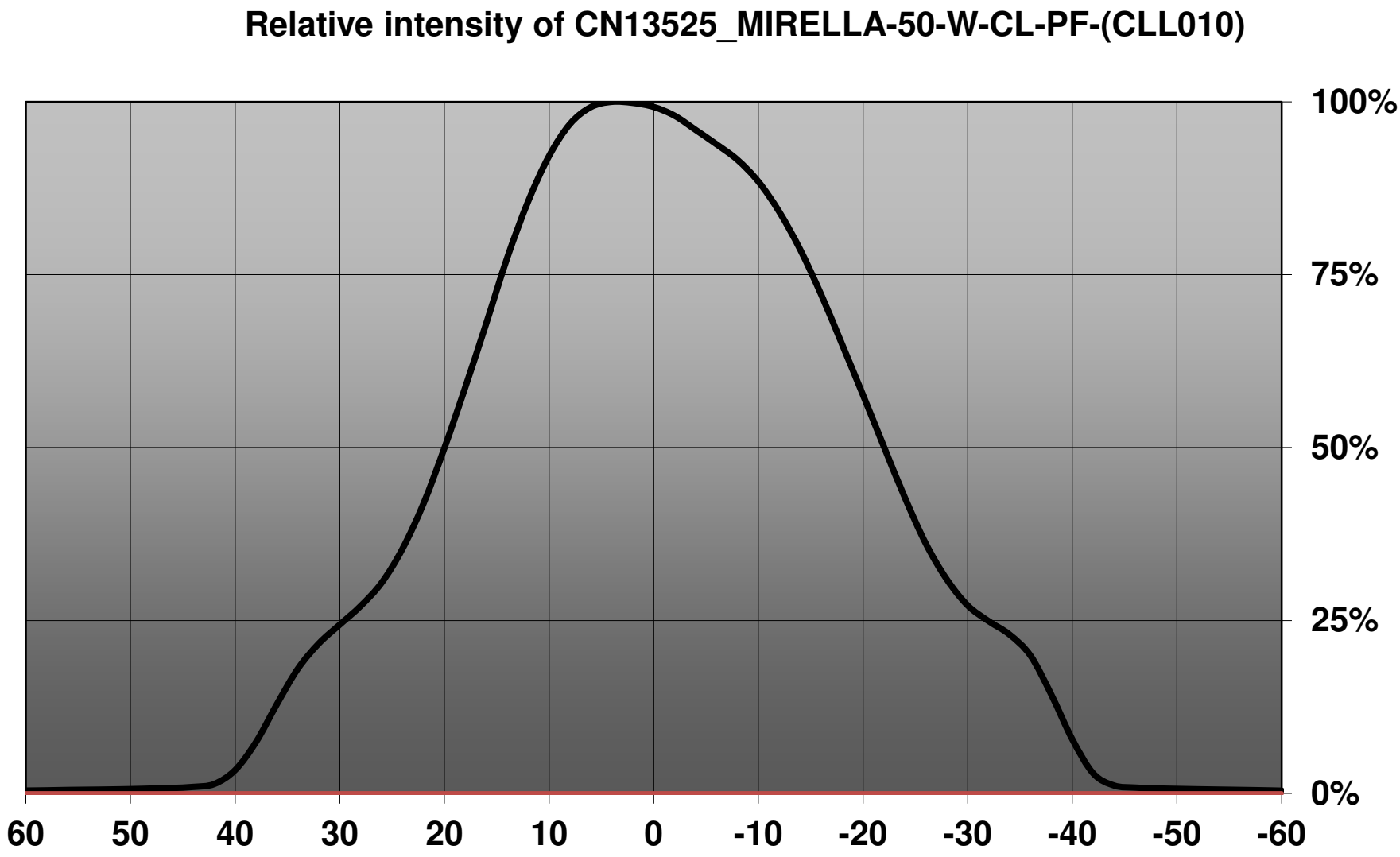
Product Number	CN13525_MIRELLA-50-W-CL-PF
Family	Mirella
Type	RefPack
Color	metal
Diameter	49,9 mm
Height	25,5 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue, screw
Status	production ready
ROHS Comliant	Yes
Date Updated	1/11/2016

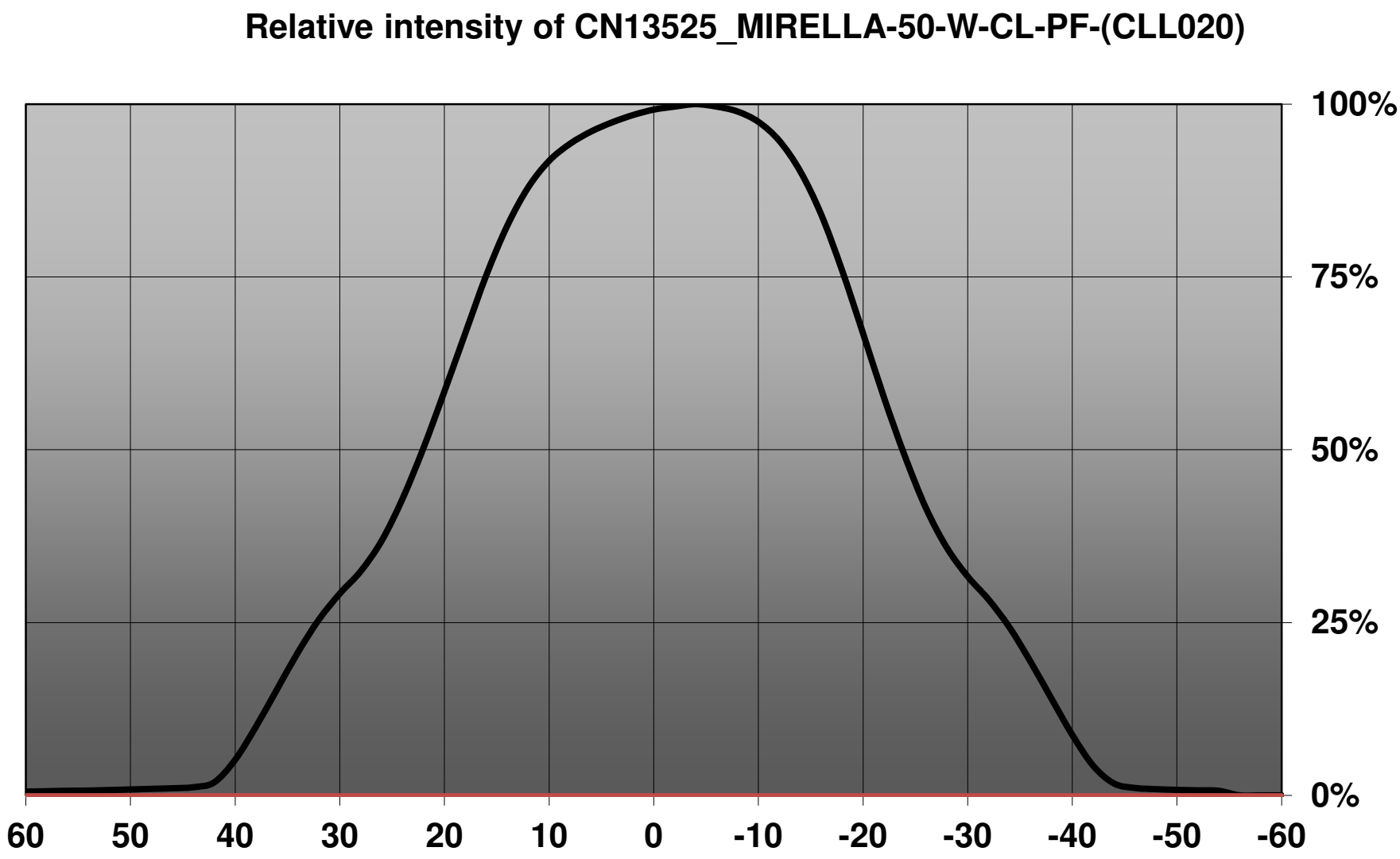
OPTICAL PROPERTIES

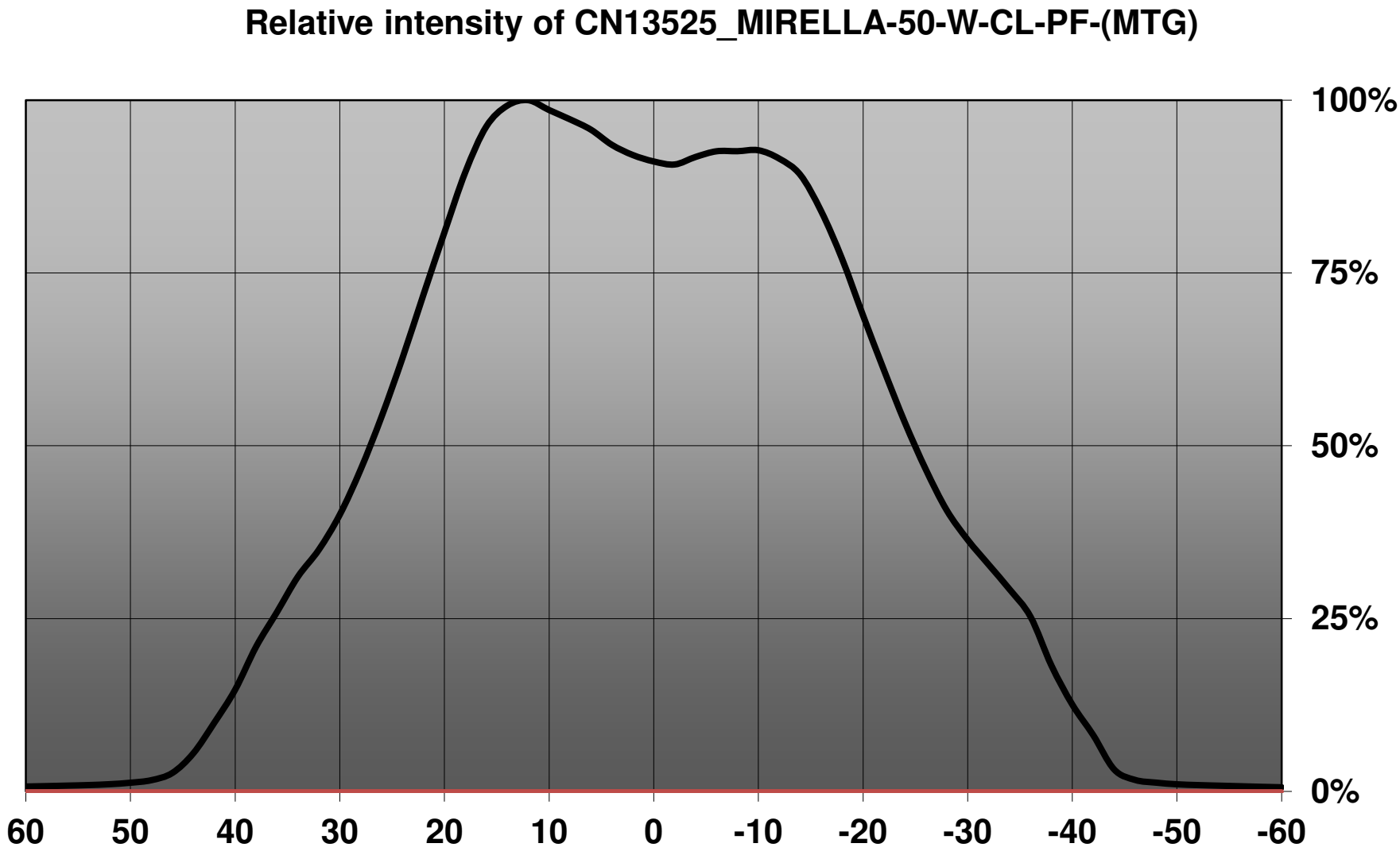
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
CLL01x	42 deg	Wide	86 %	1.400	-
CLL02x/CLU02x (LES10)	46 deg	Wide	86 %	1.500	-
CLU700/701	34 deg	Wide	81 %	1.800	-
MT-G	52 deg	Wide	86 %	1.200	-
MT-G2	50 deg	Wide	87 %	1.200	-
XHP50	39 deg	Wide	81 %	1.500	-
XHP70	42 deg	Wide	81 %	1.300	-
MHD-E/G	44 deg	Wide	84 %	1.300	-
COB 4W	40 deg	Wide	83 %	1.600	-
CXM-9	48 deg	Wide	83 %	1.200	-
Duris S10	43 deg	Wide	sim: 82 %	sim: 1.500	LEDiL: LEDiL
Soleriq S9	sim: 52	Wide	sim: 85 %	sim: 1.100	-
ZC4/6	46 deg	Wide	80 %	1.300	-
Mini Zenigata (GW6BM)	46 deg	Wide	81 %	1.300	-

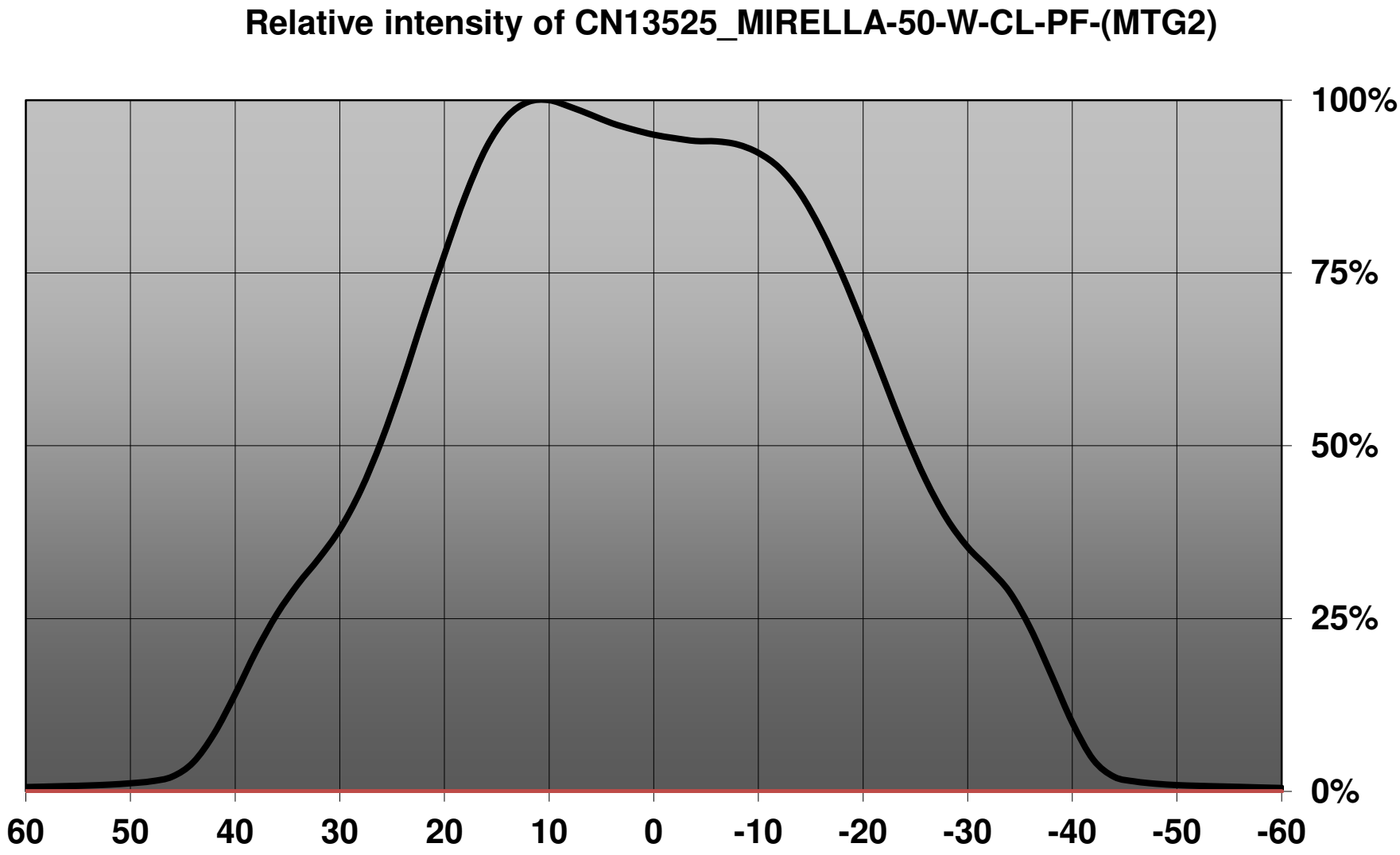
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

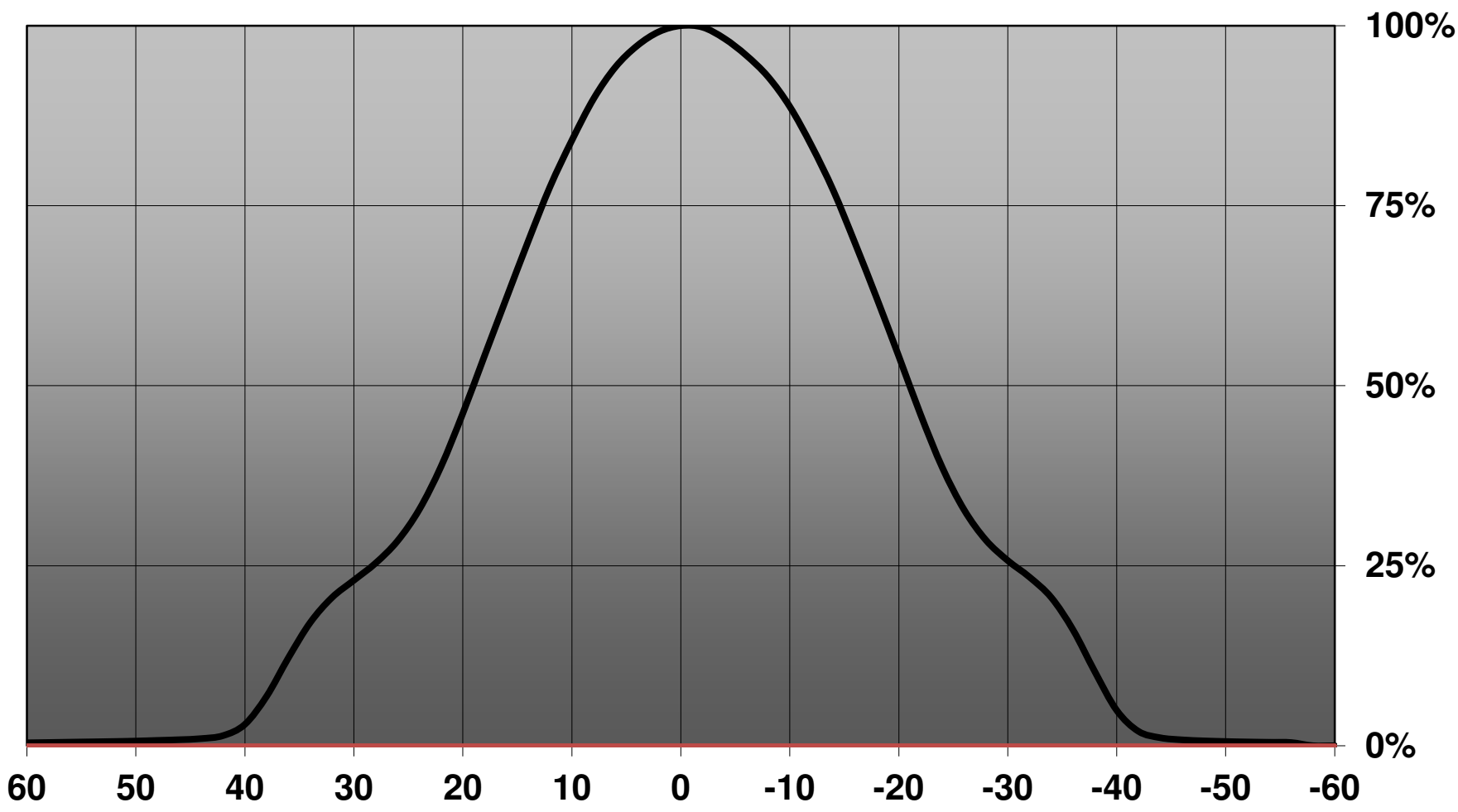

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(CLL010)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

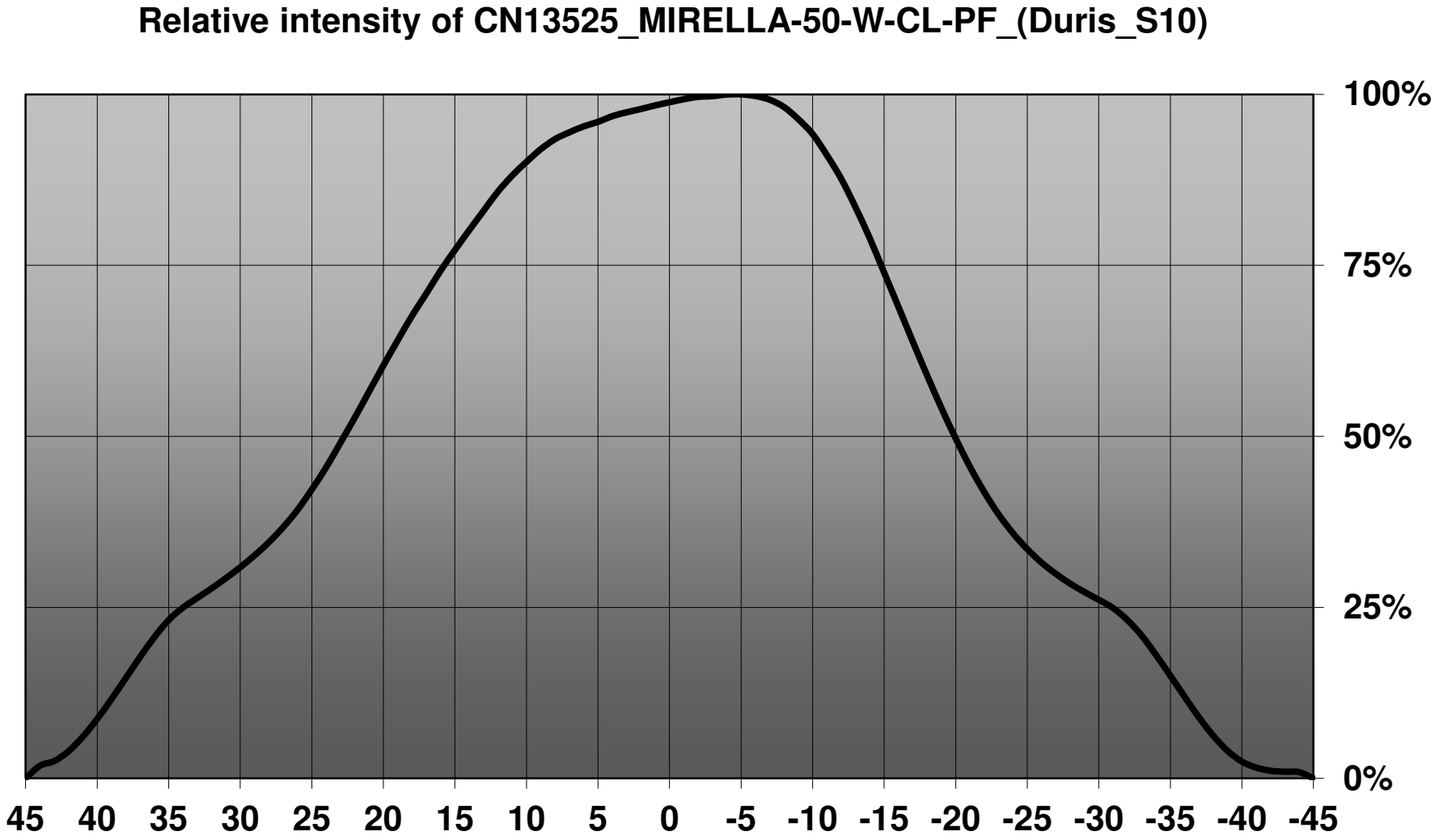

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(CLL020)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

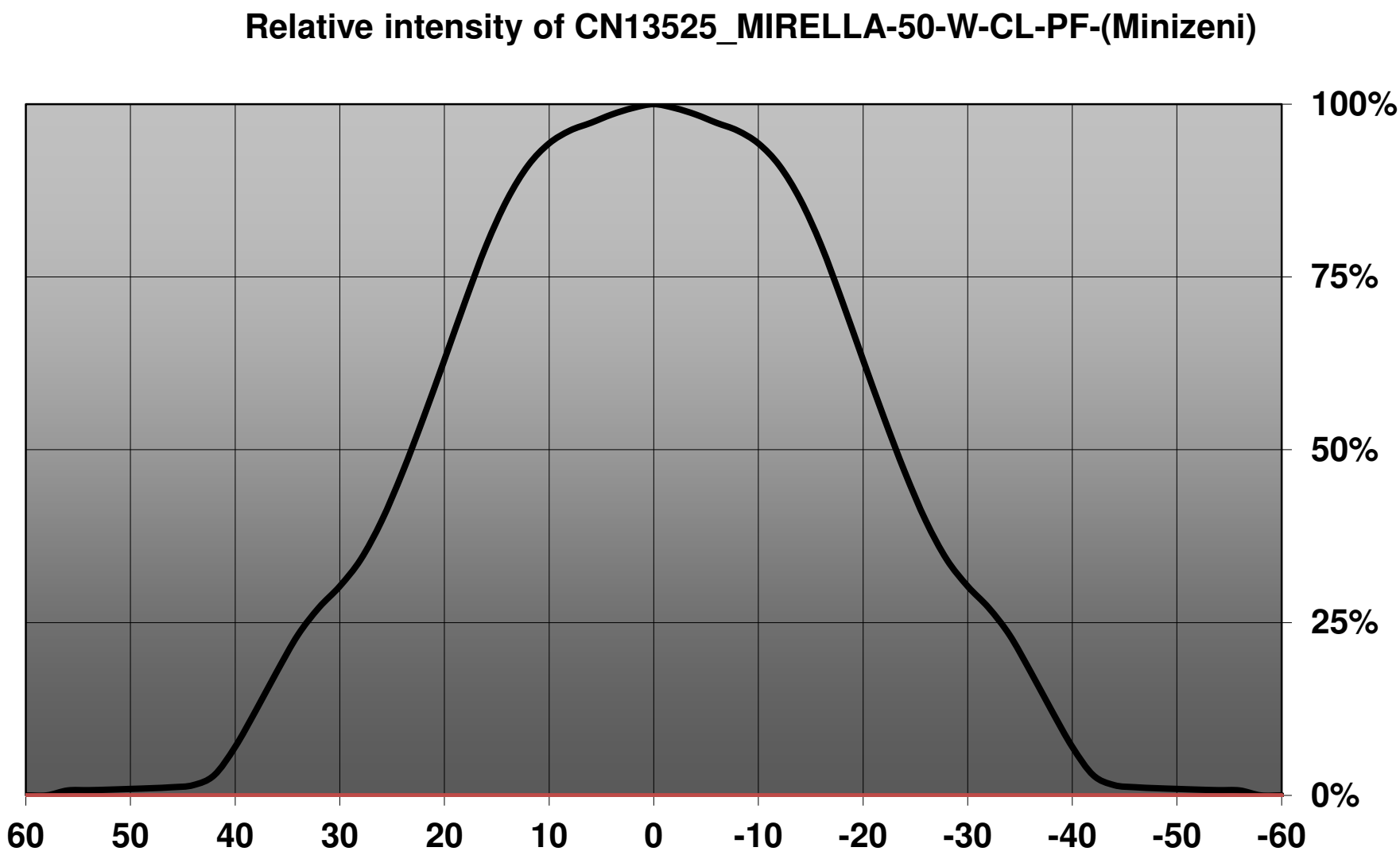

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(MTG)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

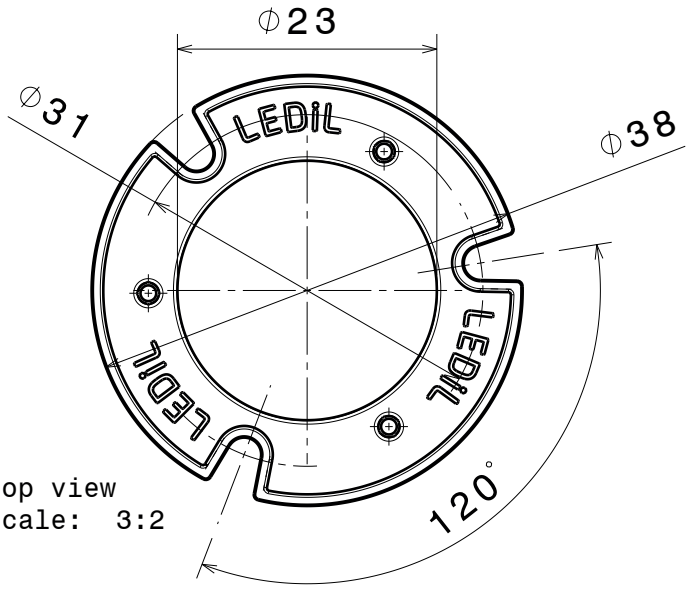

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(MTG2)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(LG4W)

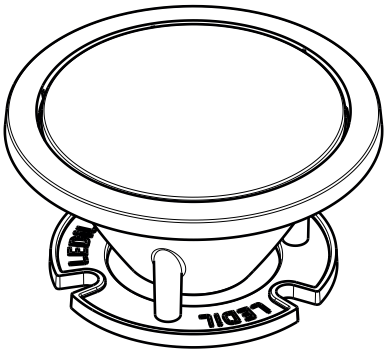



Relative intensity of CN13525_MIRELLA-50-W-CL-PF_(Duris_S10)
100%
75%
50%
25%
0%
45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45

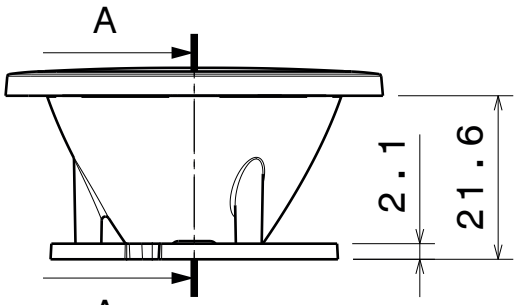

Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(Minizeni)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60



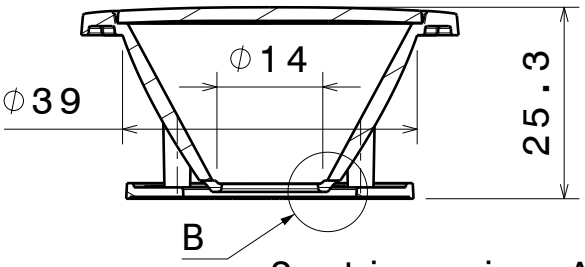
Top view
Scale: 3:2



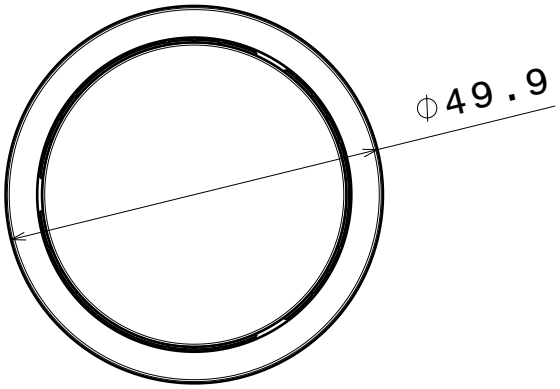
Isometric view



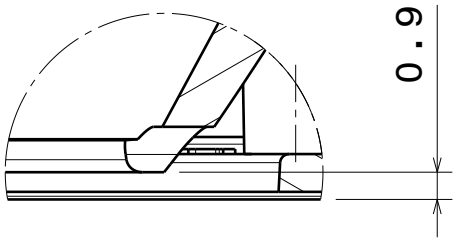
Front view



Section view A-A



Top view



Detail B

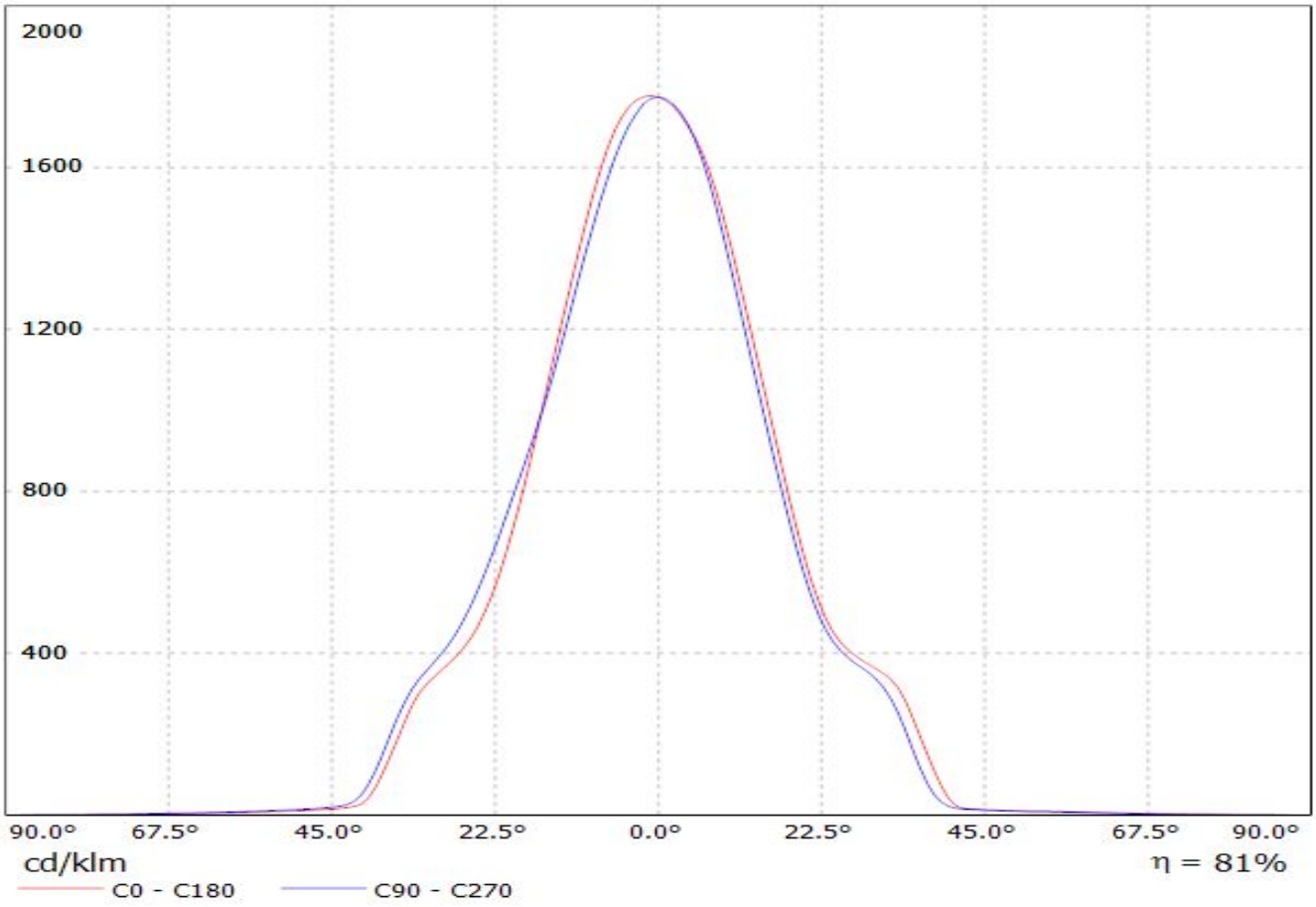
NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.
http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

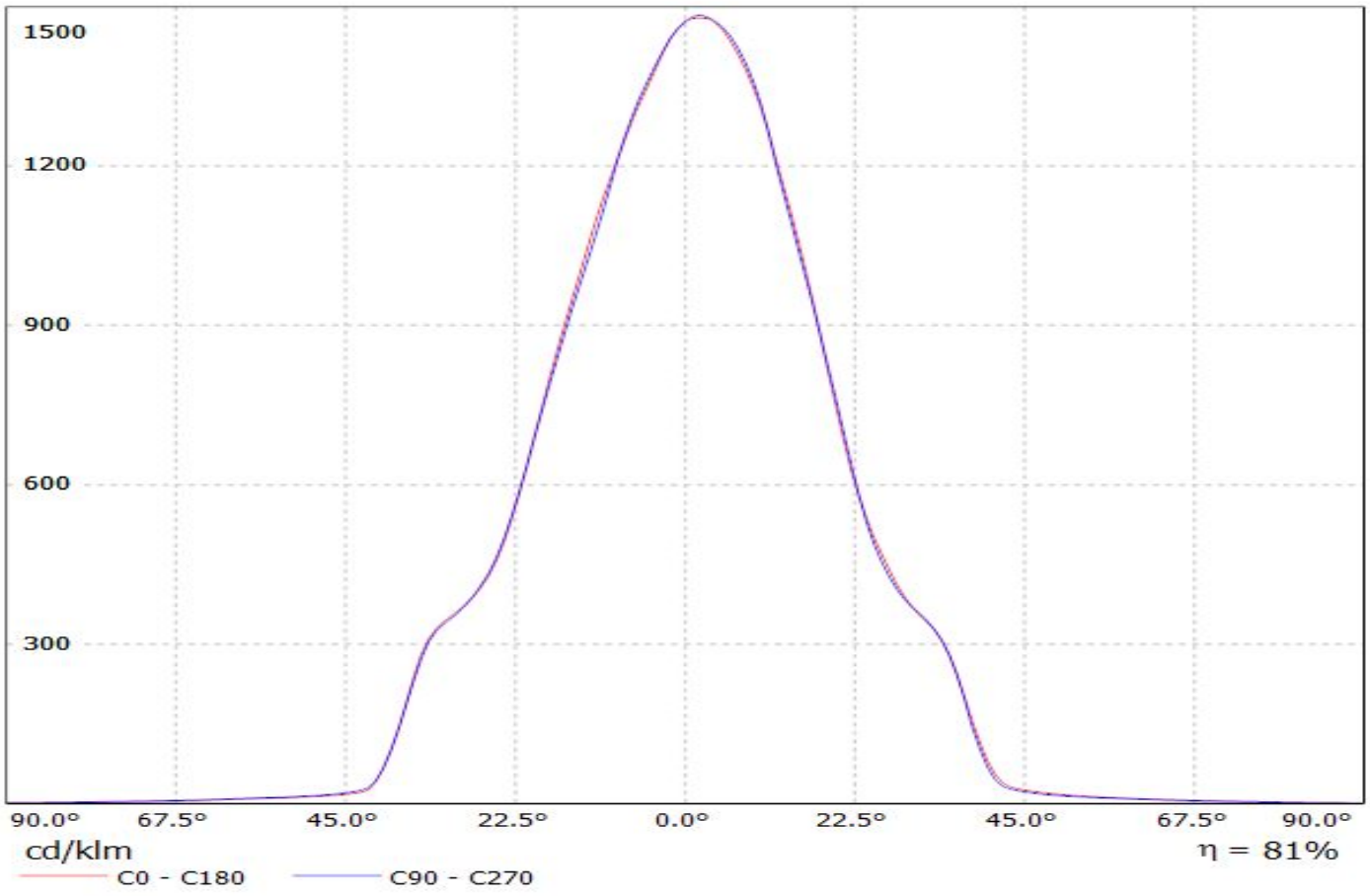
DRAWN BY: as	DATE: 28.8.2012	DRAWING TITLE: Mechanical drawing			
CHECKED BY: vs	DATE: 28.8.2012	SIZE: A4			REV: 001
DESIGNED BY: as	DATE: -	SCALE: 1:1	WEIGHT: -		SHEET: 1/1

MIRELLA-DL-PF

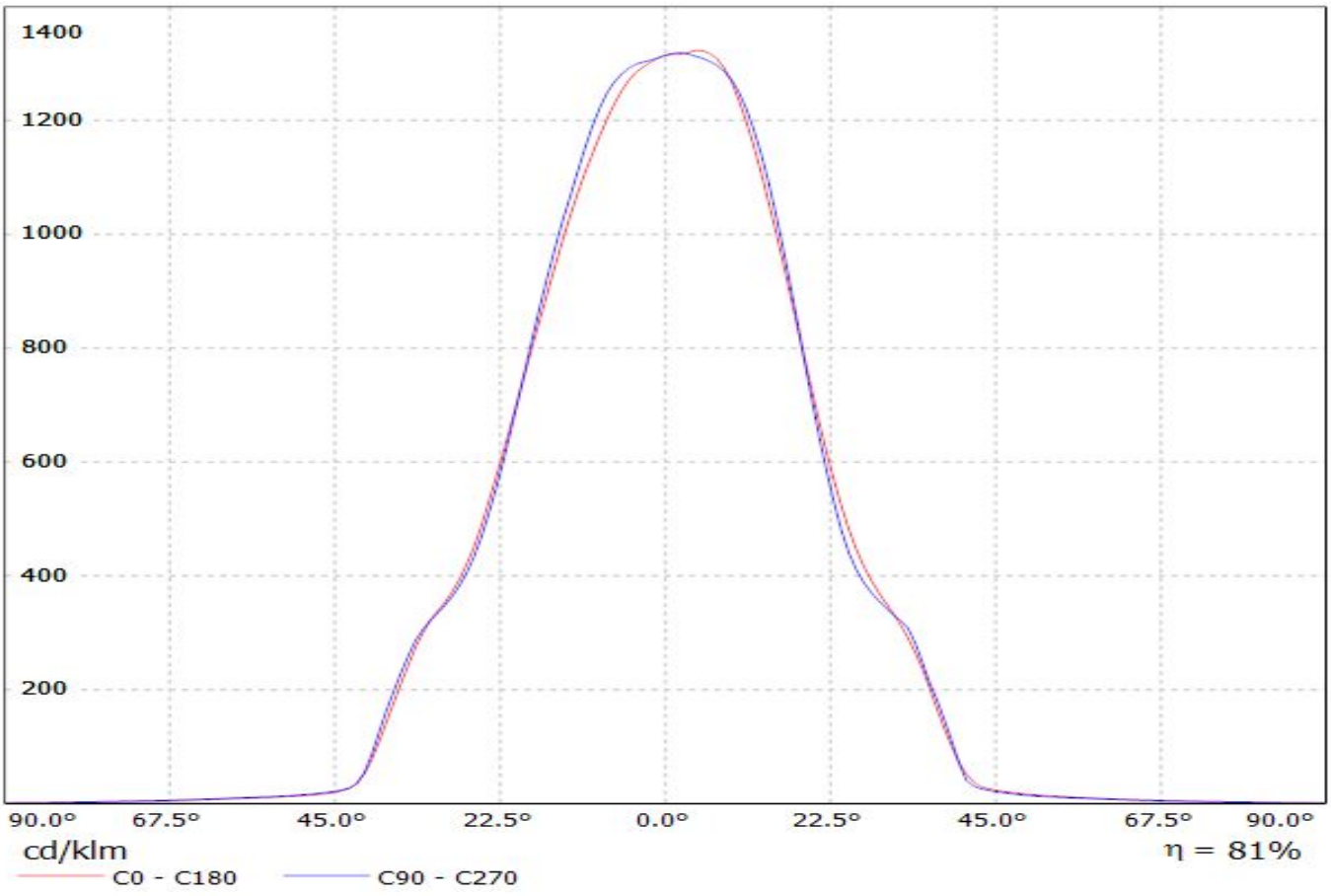
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CLU700)
Lamps: 1 x Citizen_CLU700_C13083_PF-SOCKET_394.785lm@100mA_P=2.92999W_I=0.1044A



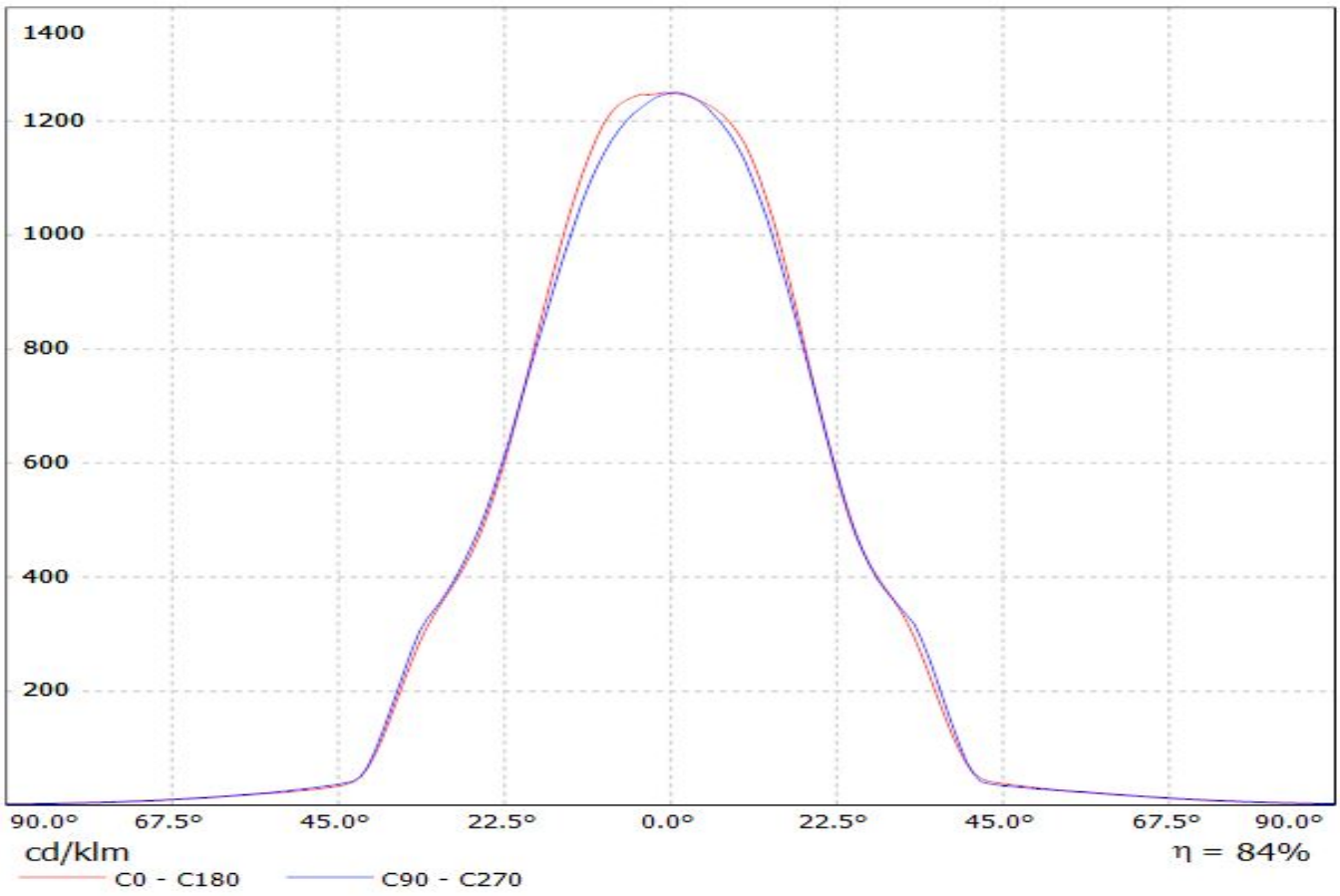
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_195.088lm@250mA_P=1.40004W_I=0.2499A



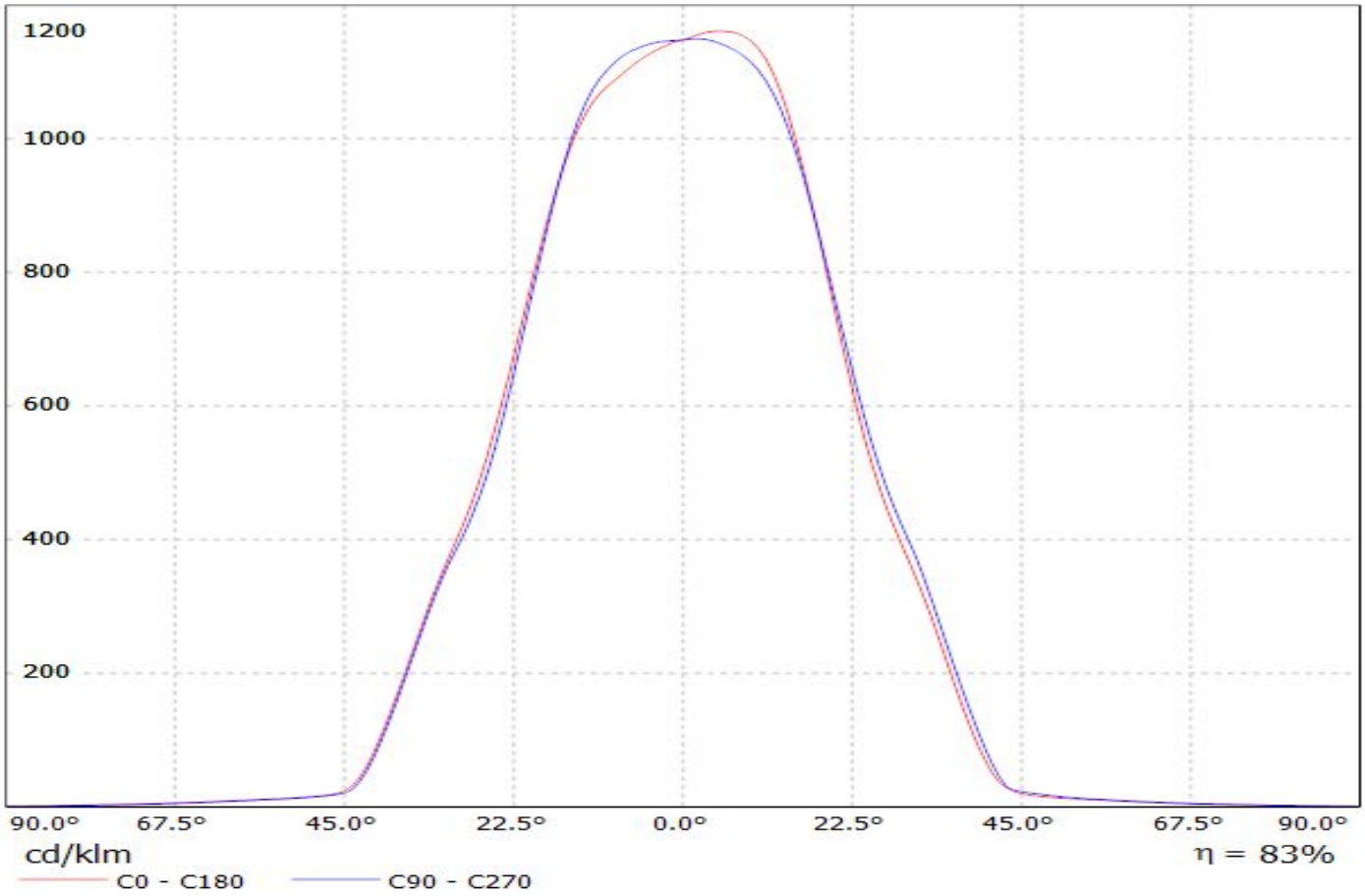
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.212lm@250mA_P=1.383W_I=0.2499A



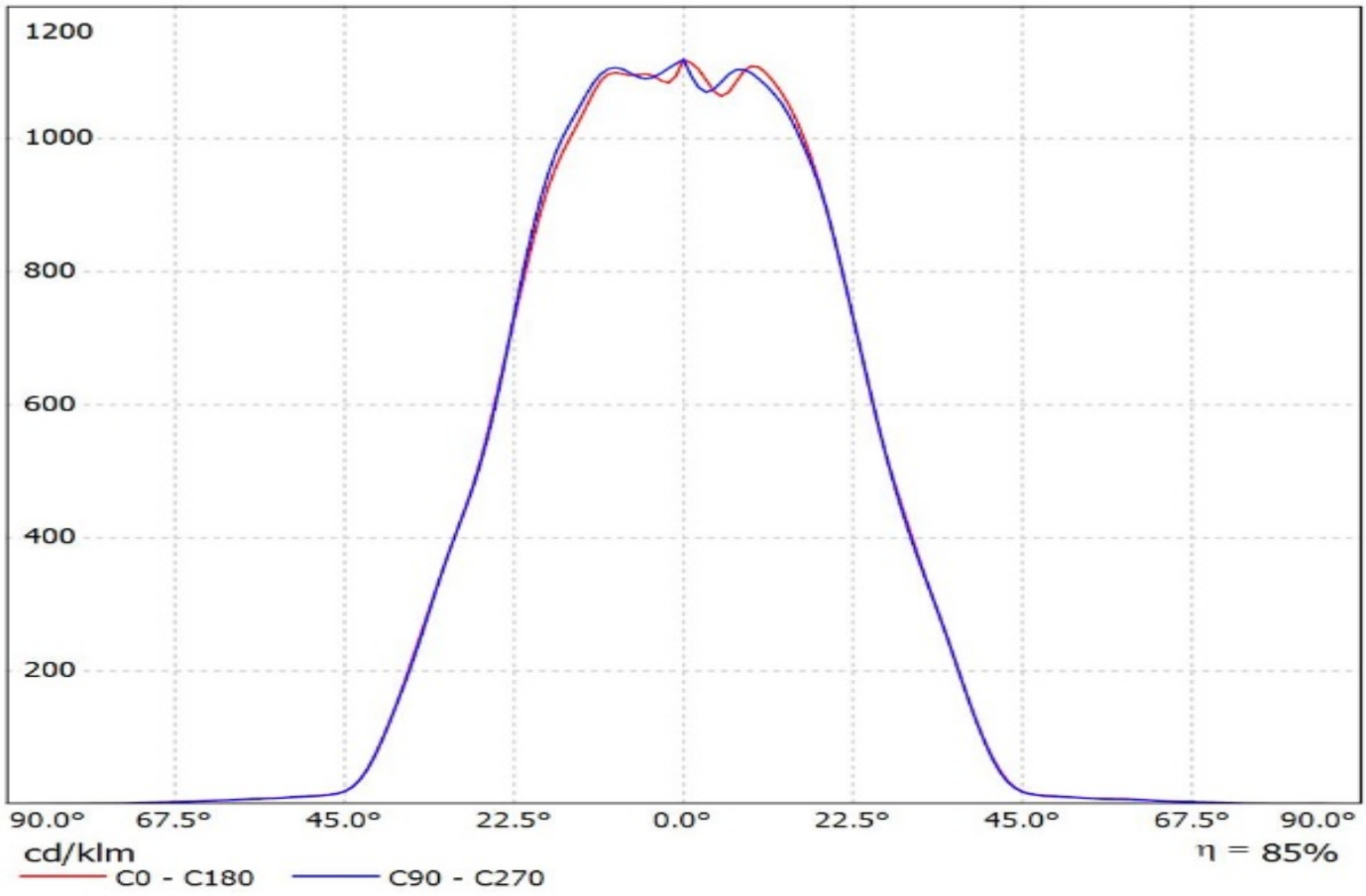
Luminaire: Ledil CN13525_MIRELLA-50-W-CL-PF_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



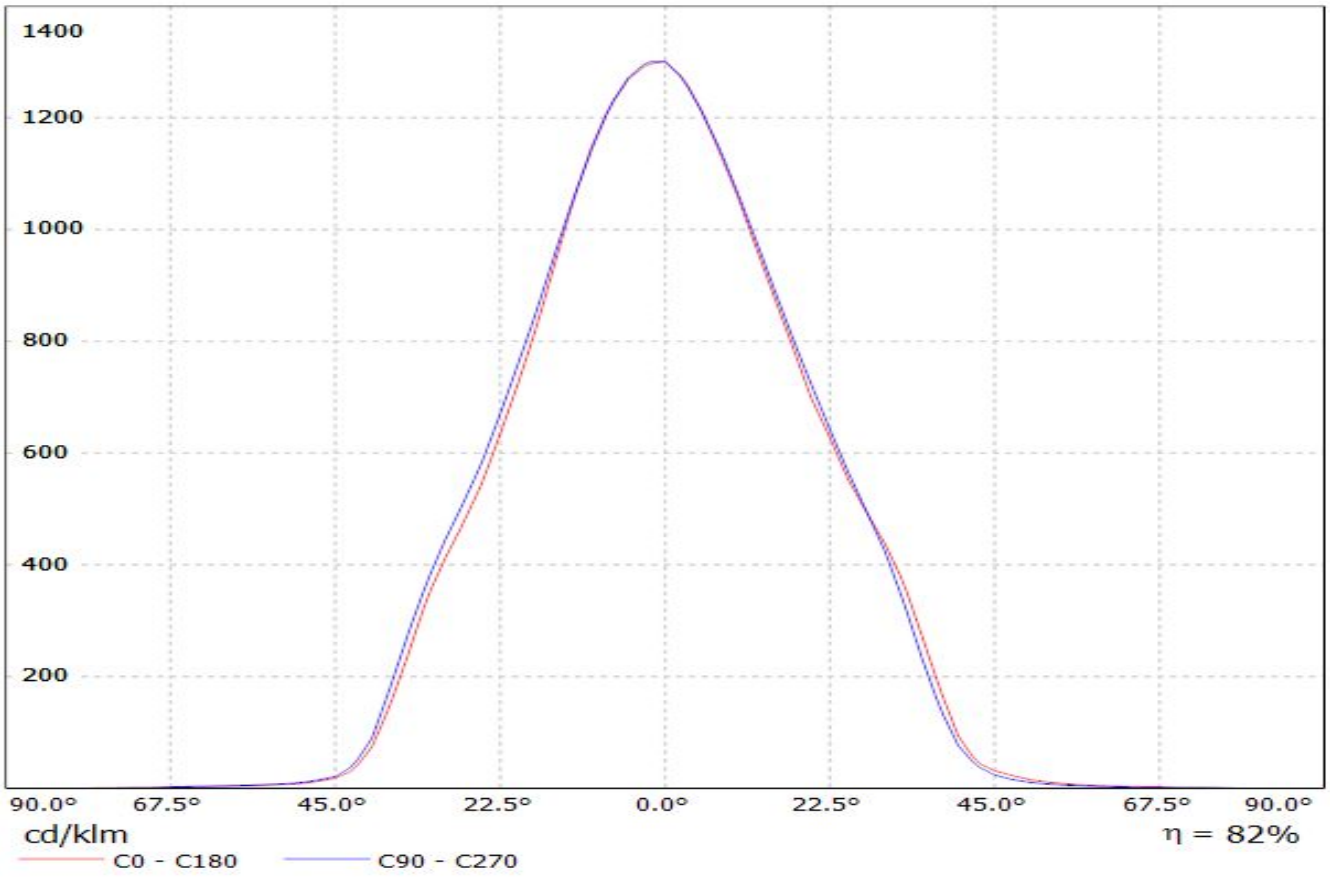
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_962.046lm@240mA_P=8.29334W_I=240mA



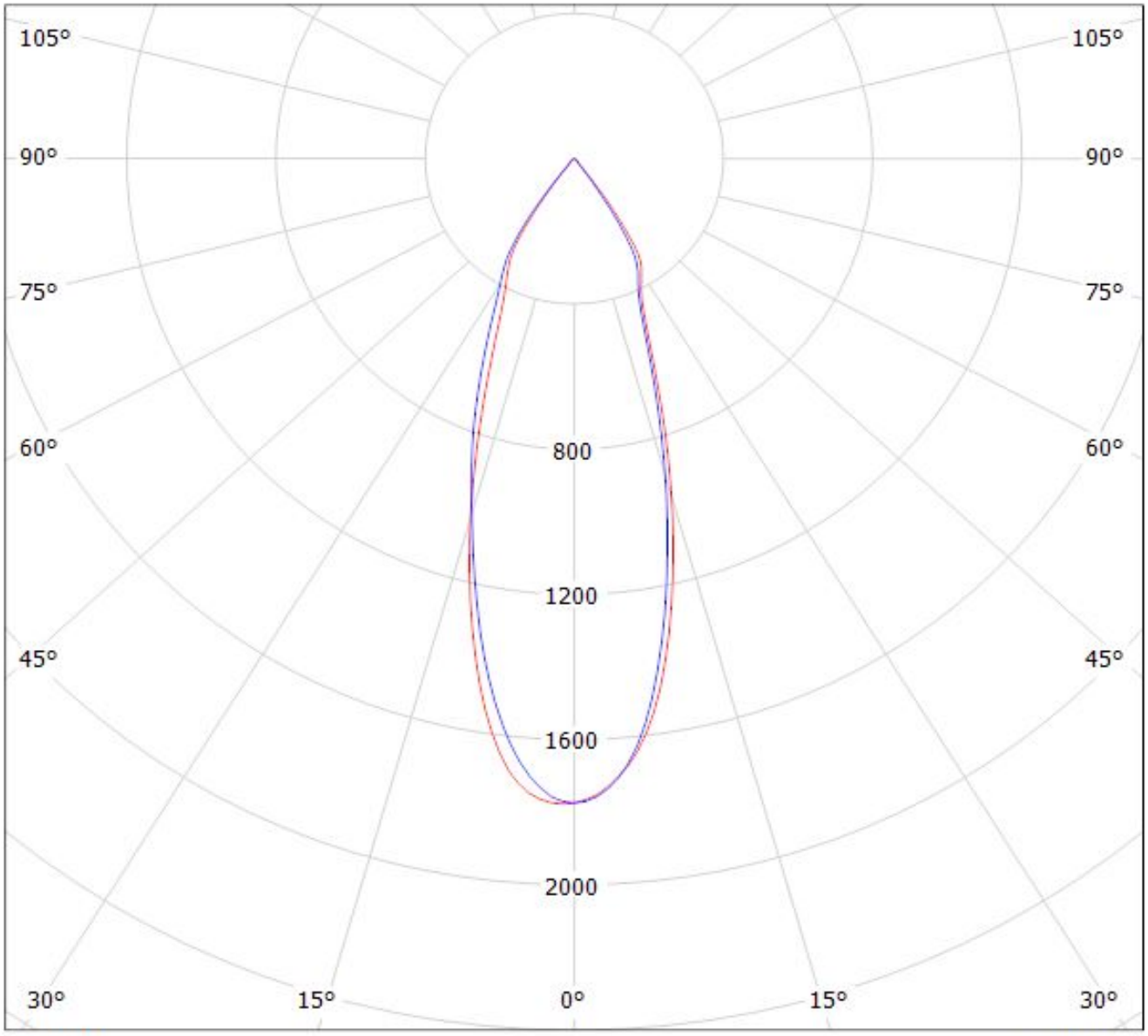
Luminaire: Ledil Oy CN13525_MIRELLA-50-W-CL-PF_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDil Oy CN13525_MIRELLA-50-W-CL-PF_(ZC6) Efficiency=80%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CLU700)
Lamps: 1 x Citizen_CLU700_C13083_PF-SOCKET_394.785lm@100mA_P=2.92999W_I=0.1044A

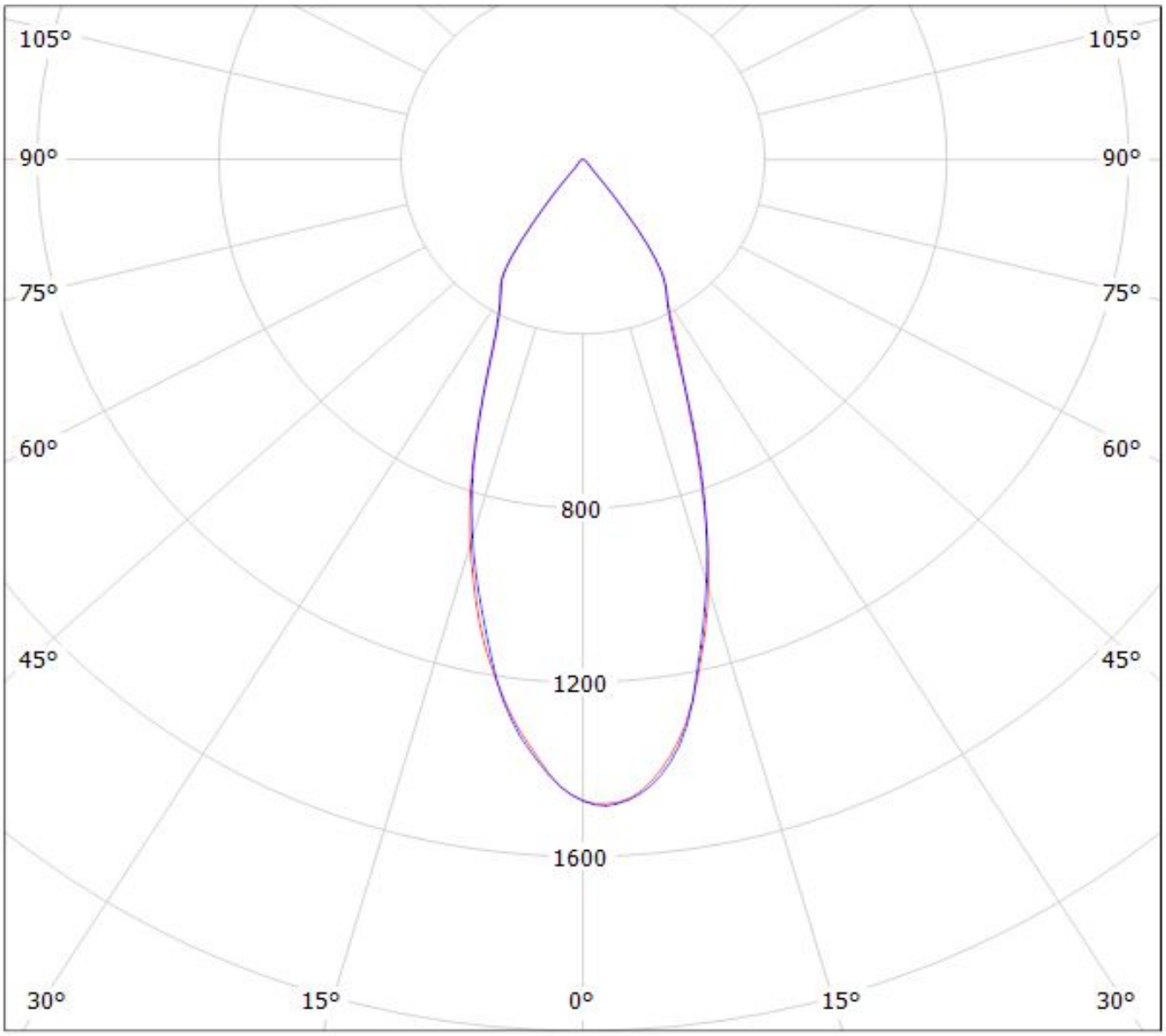


cd/klm

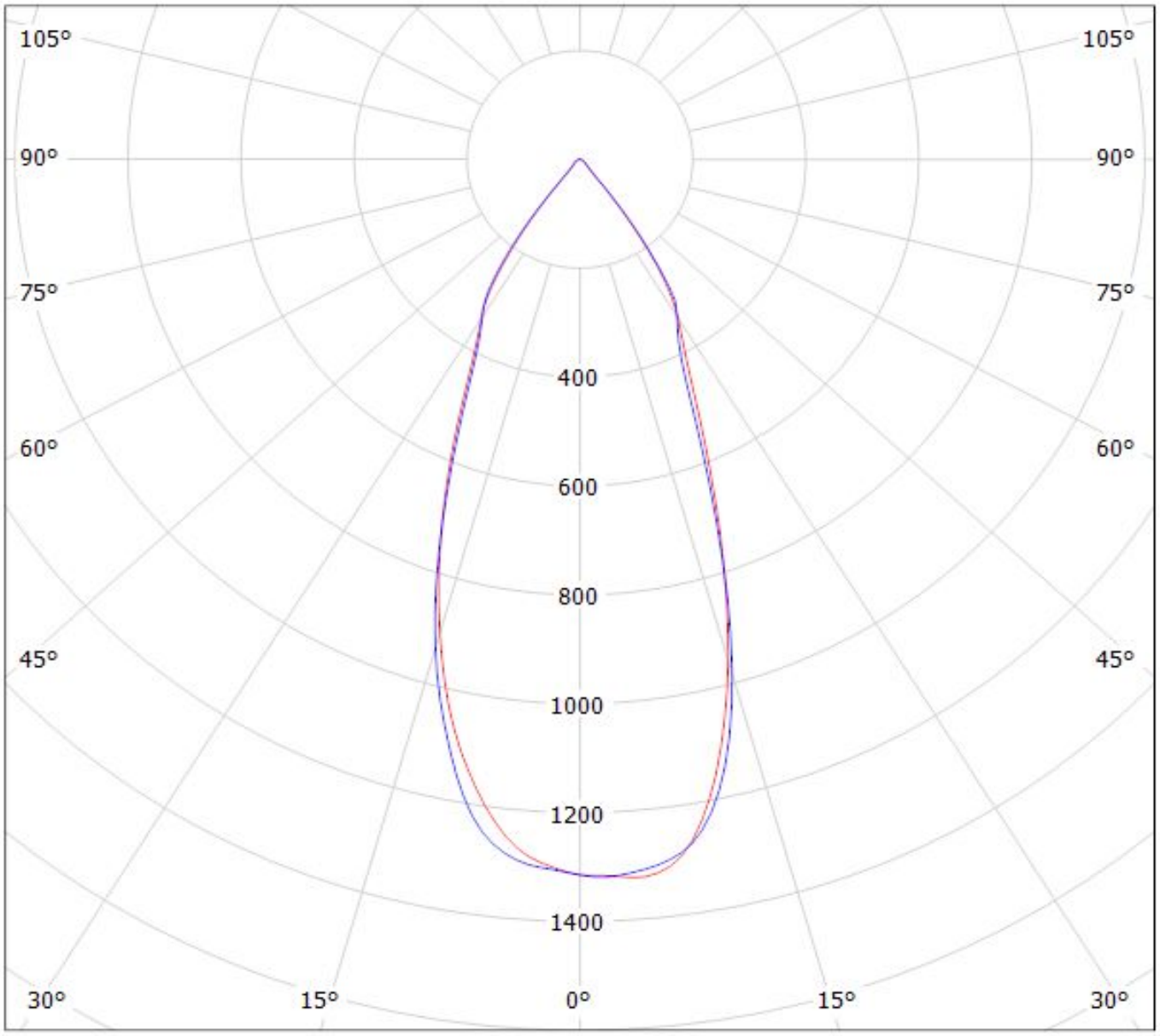
η = 81%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_195.088lm@250mA_P=1.40004W_I=0.2499A



Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.212lm@250mA_P=1.383W_I=0.2499A

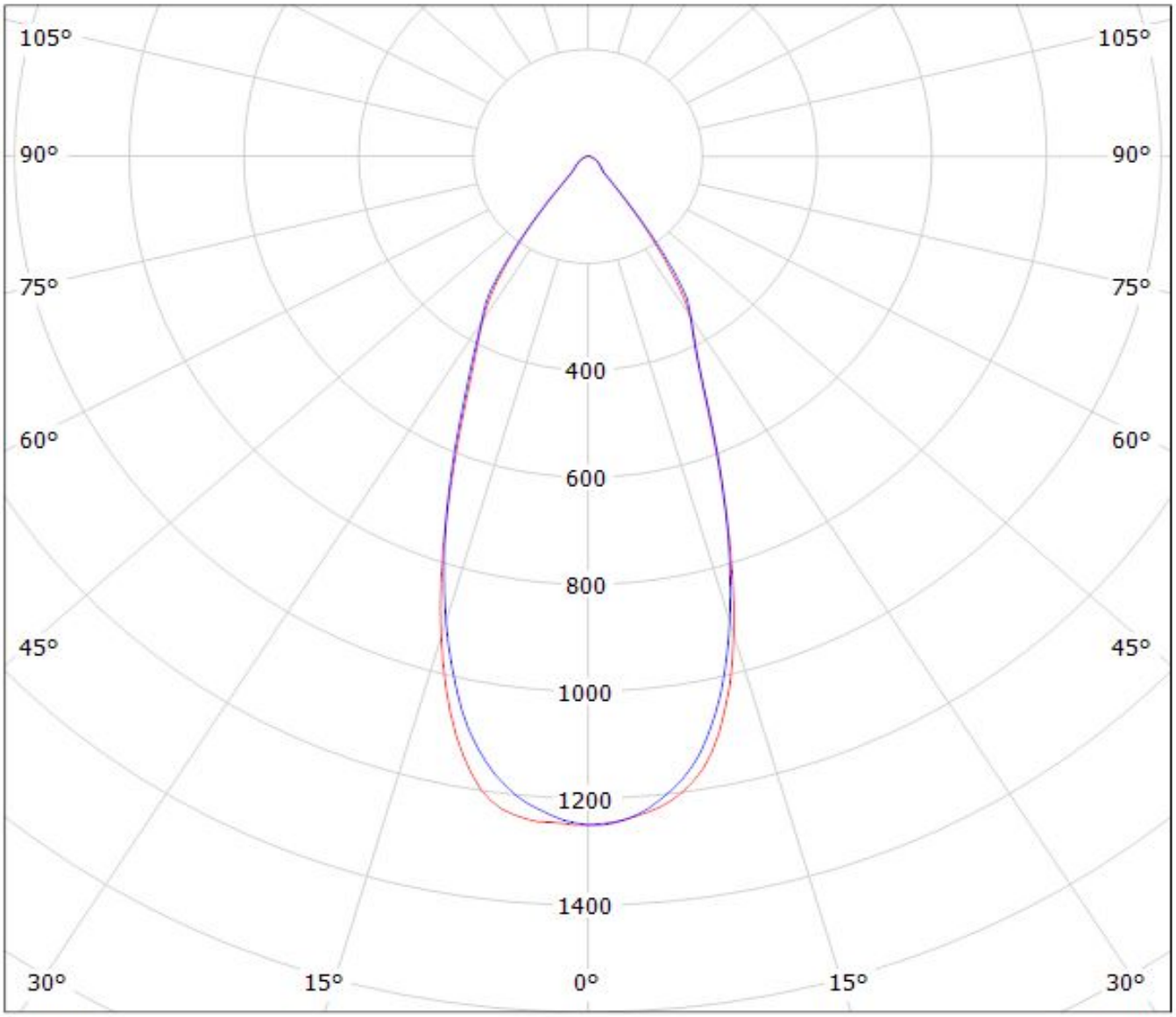


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: Ledil CN13525_MIRELLA-50-W-CL-PF_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A

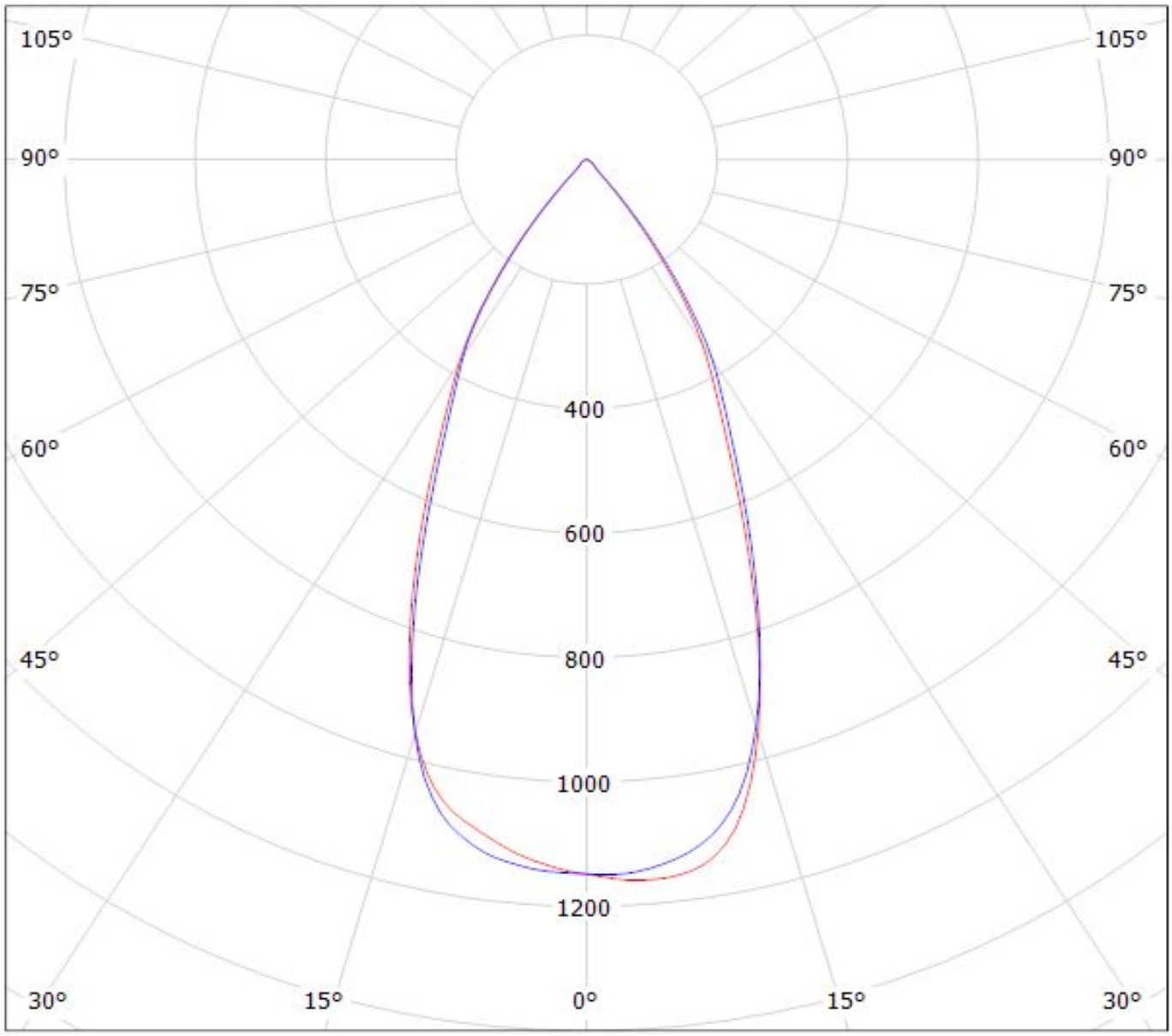


cd/klm

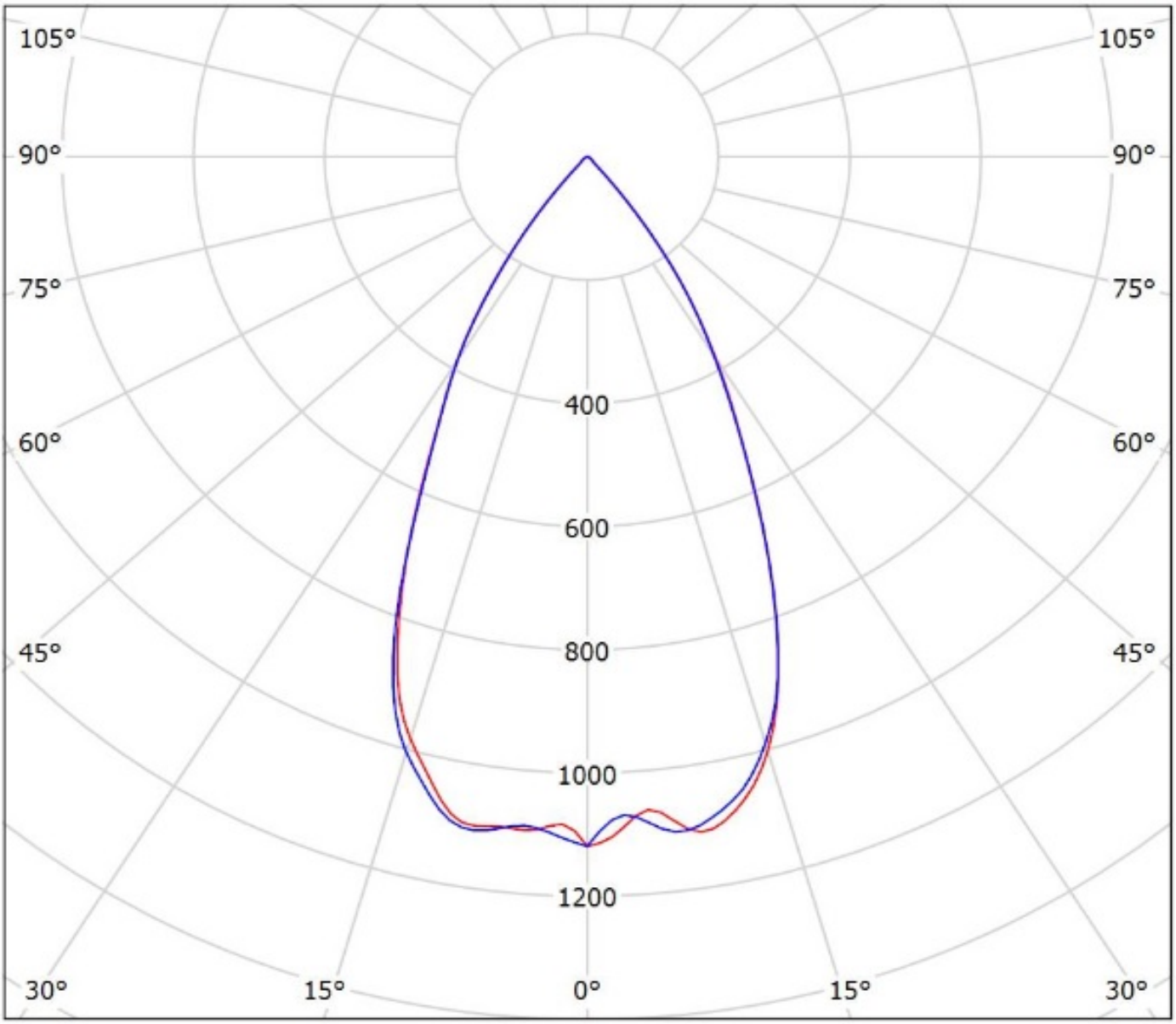
η = 84%

C0 - C180 C90 - C270

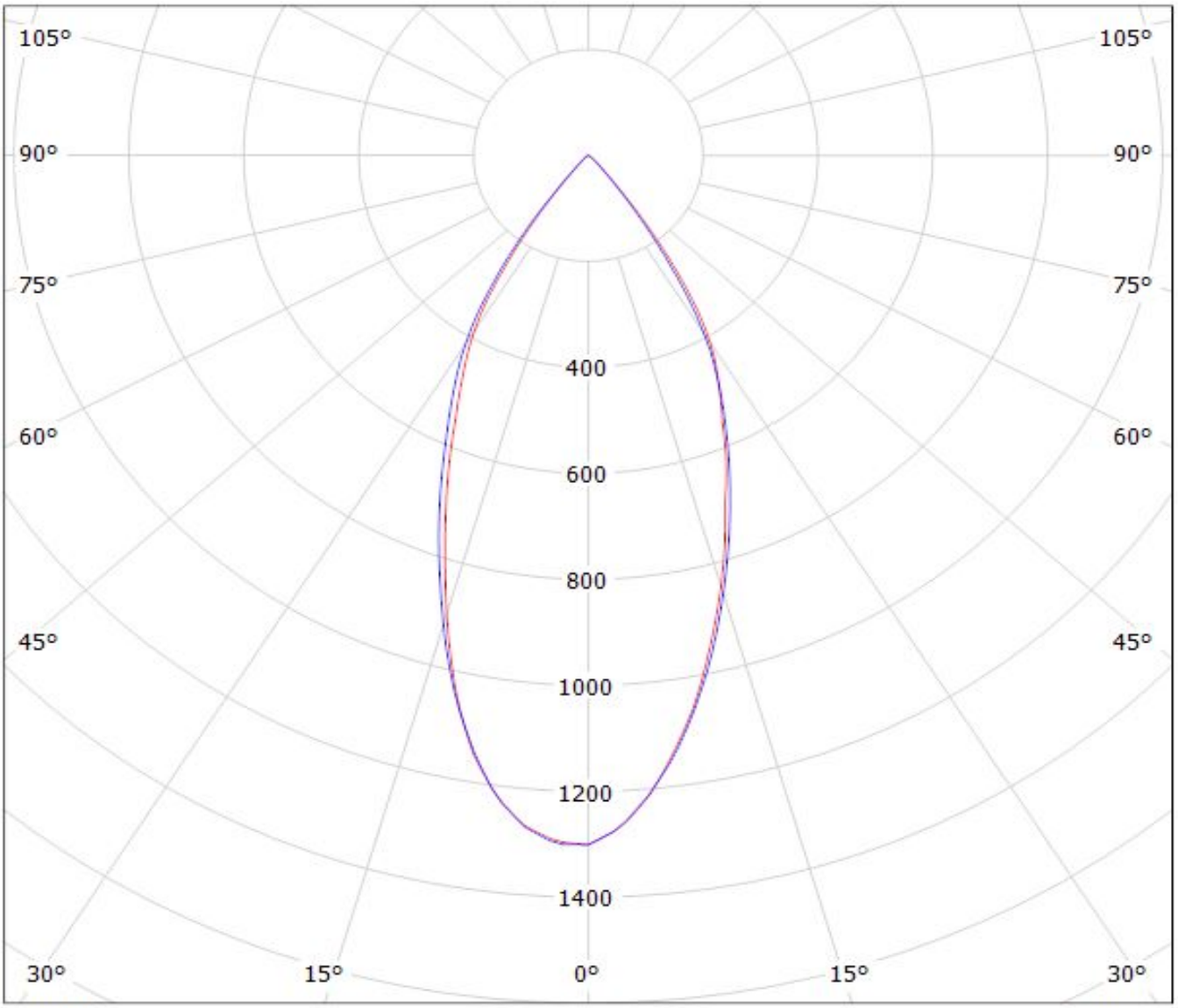
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_962.046lm@240mA_P=8.29334W_I=240mA



Luminaire: Ledil Oy CN13525_MIRELLA-50-W-CL-PF_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDil Oy CN13525_MIRELLA-50-W-CL-PF_(ZC6) Efficiency=80%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



cd/klm

η = 82%

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.