

DETAILS

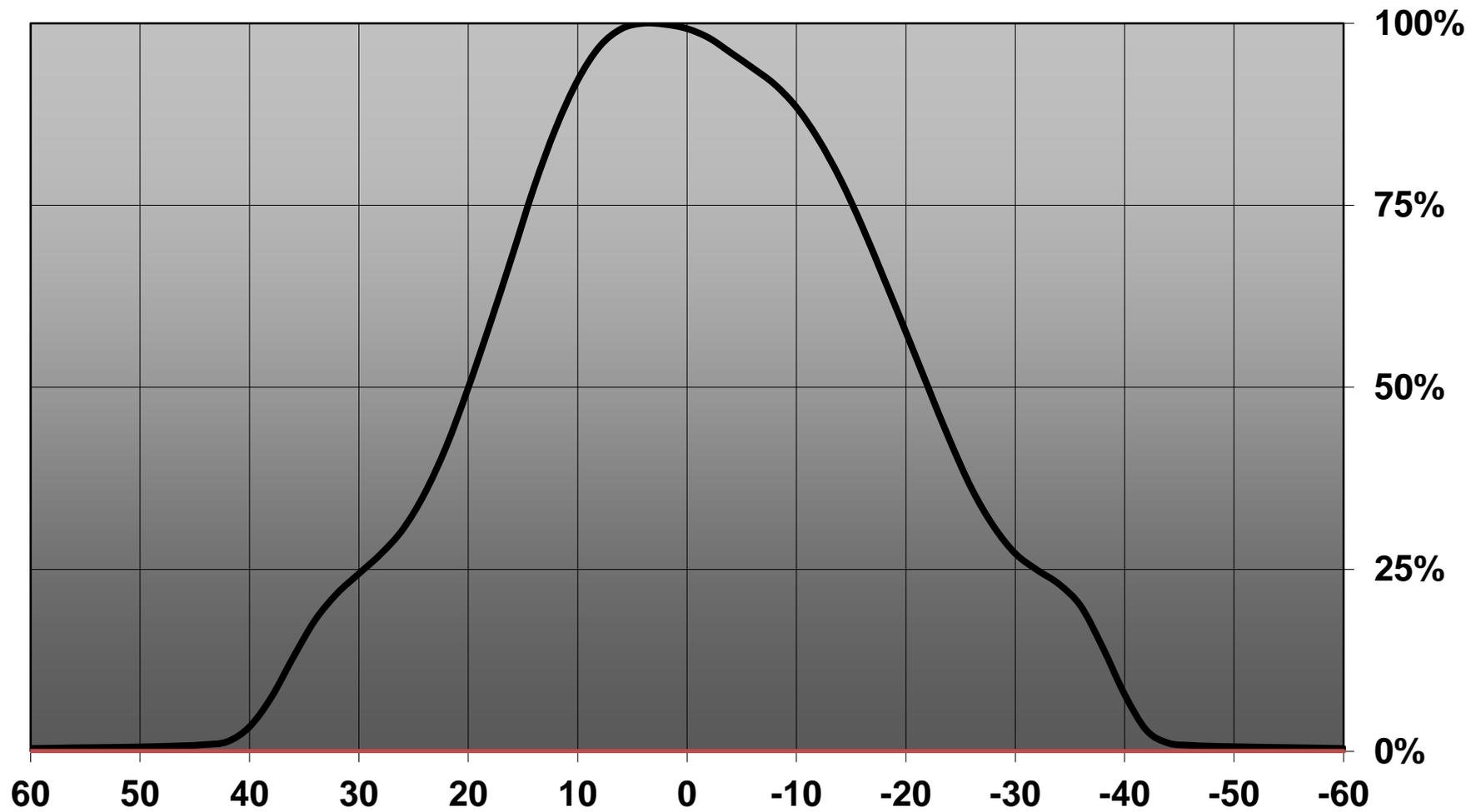
Product Number	CN13525_MIRELLA-50-W-CL-PF
Family	Mirella
Type	RefPack
Color	metal
Diameter	49,9 mm
Height	25,5 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	1/11/2016



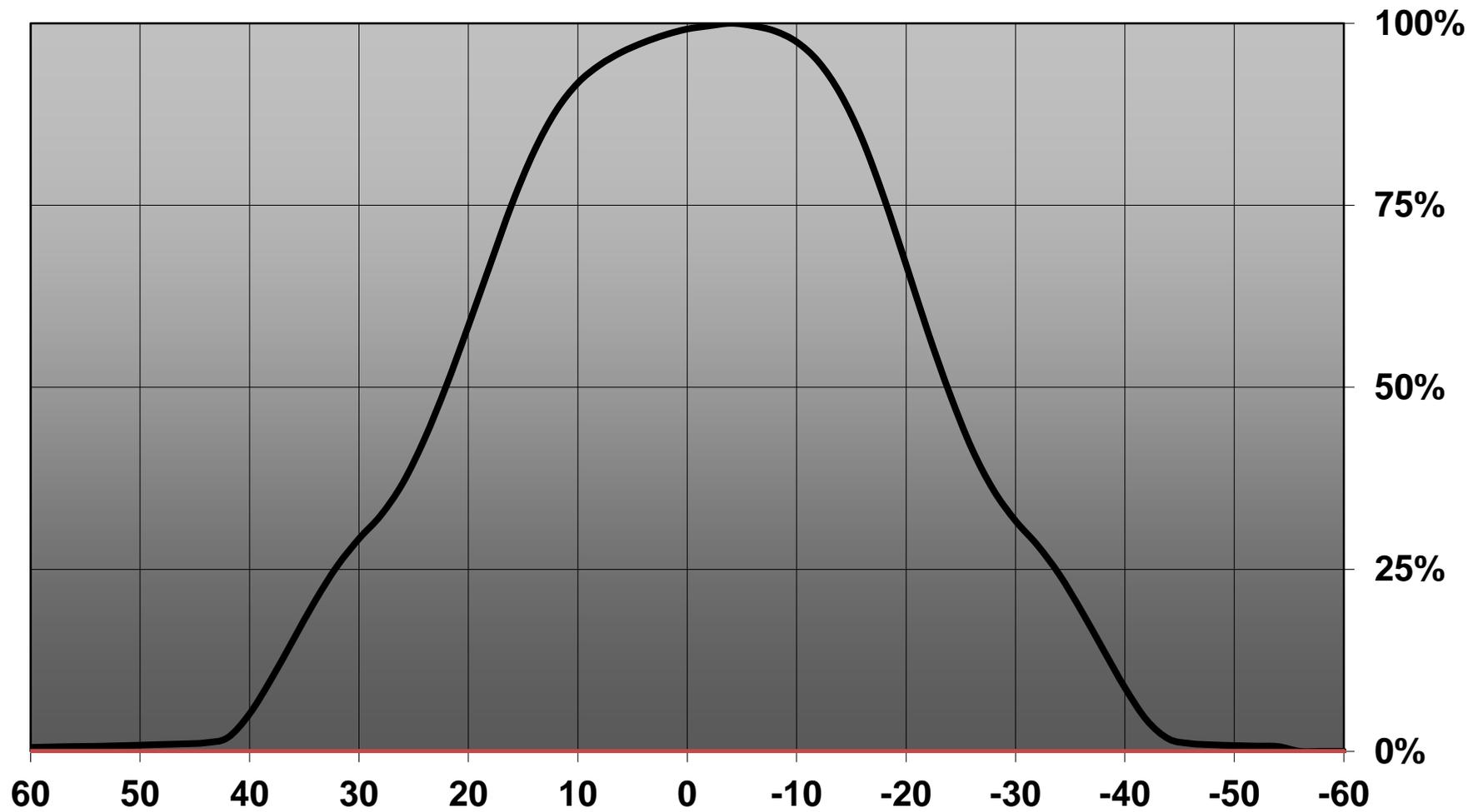
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
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	-

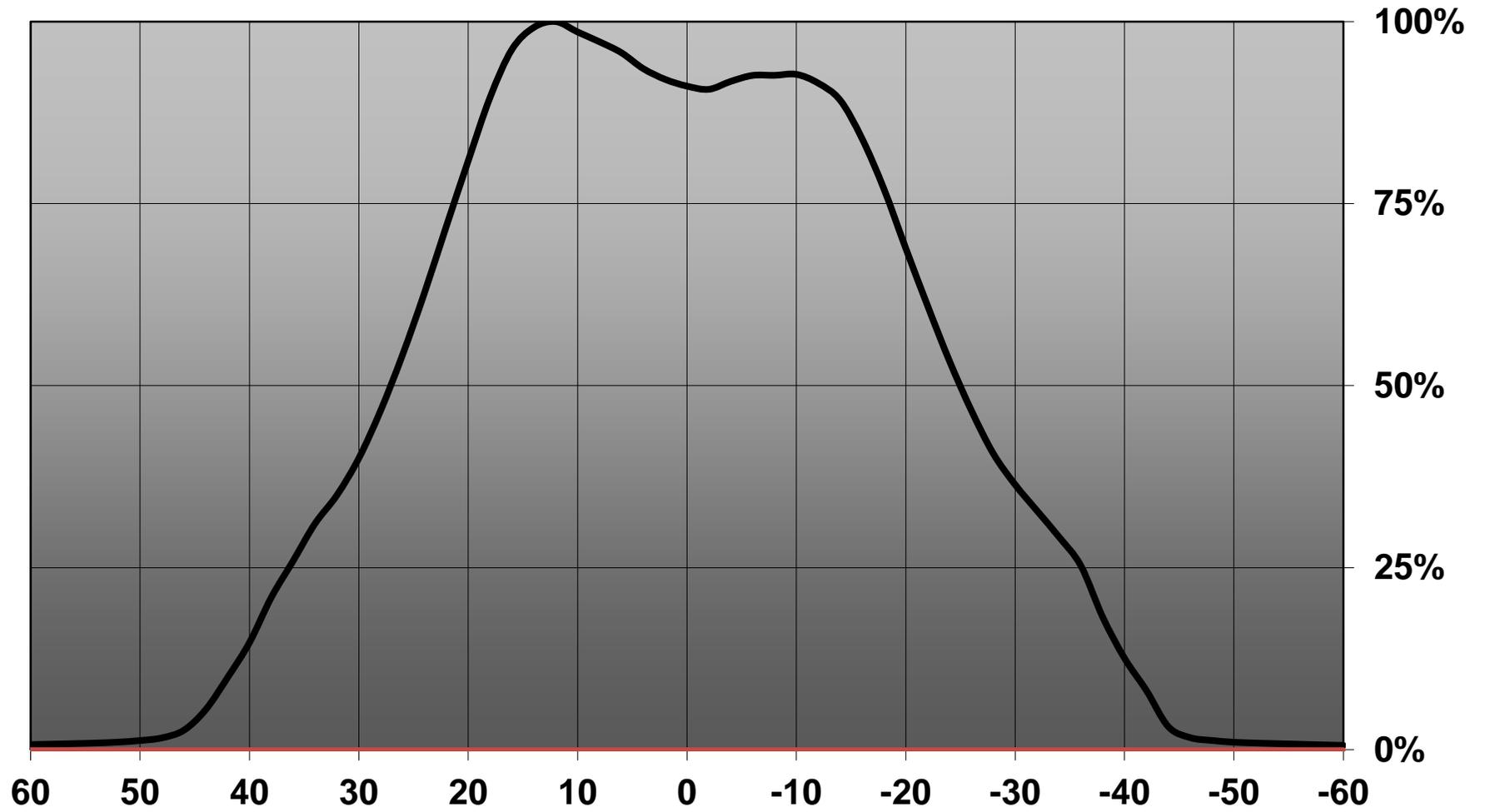
Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(CLL010)



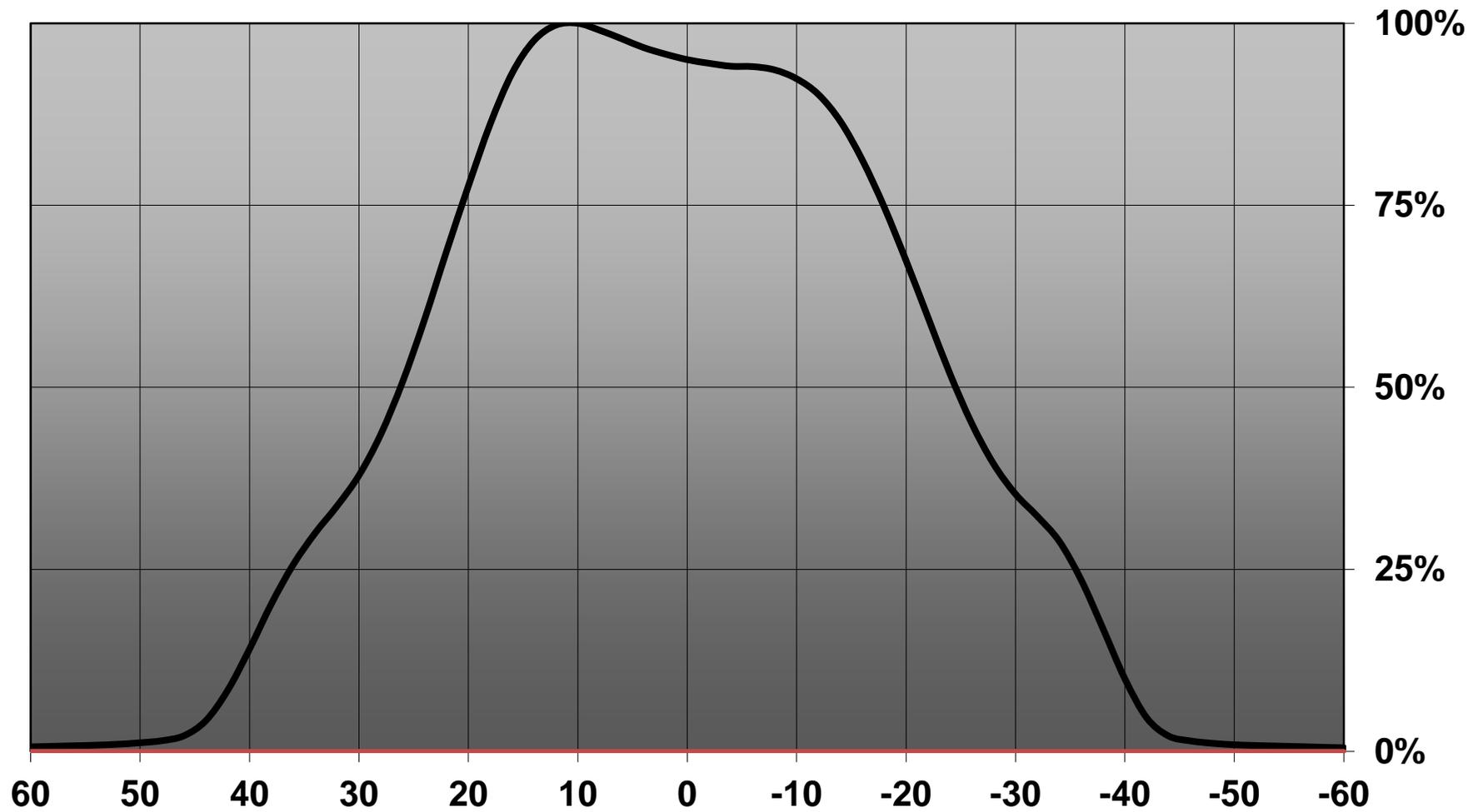
Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(CLL020)



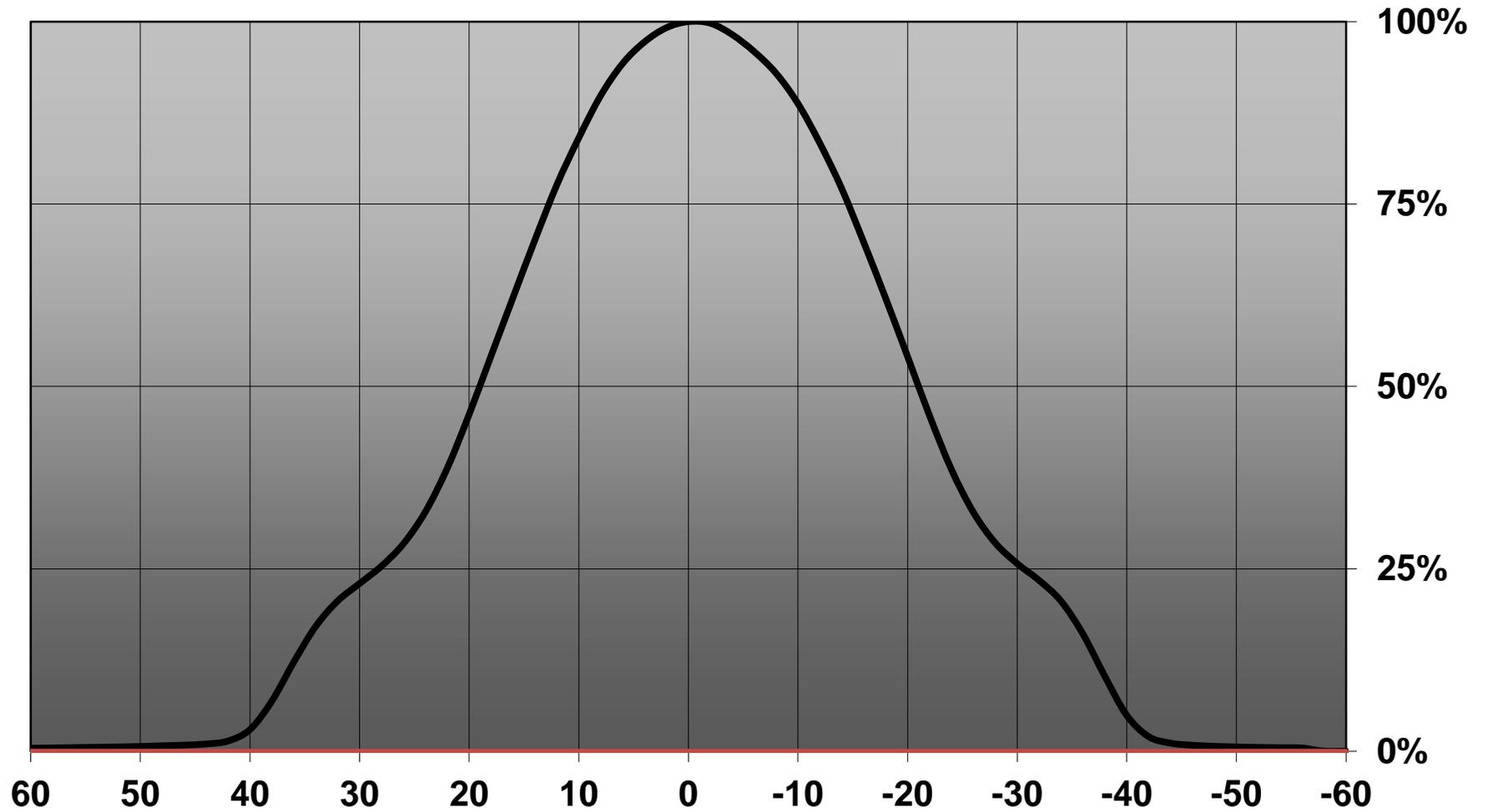
Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(MTG)



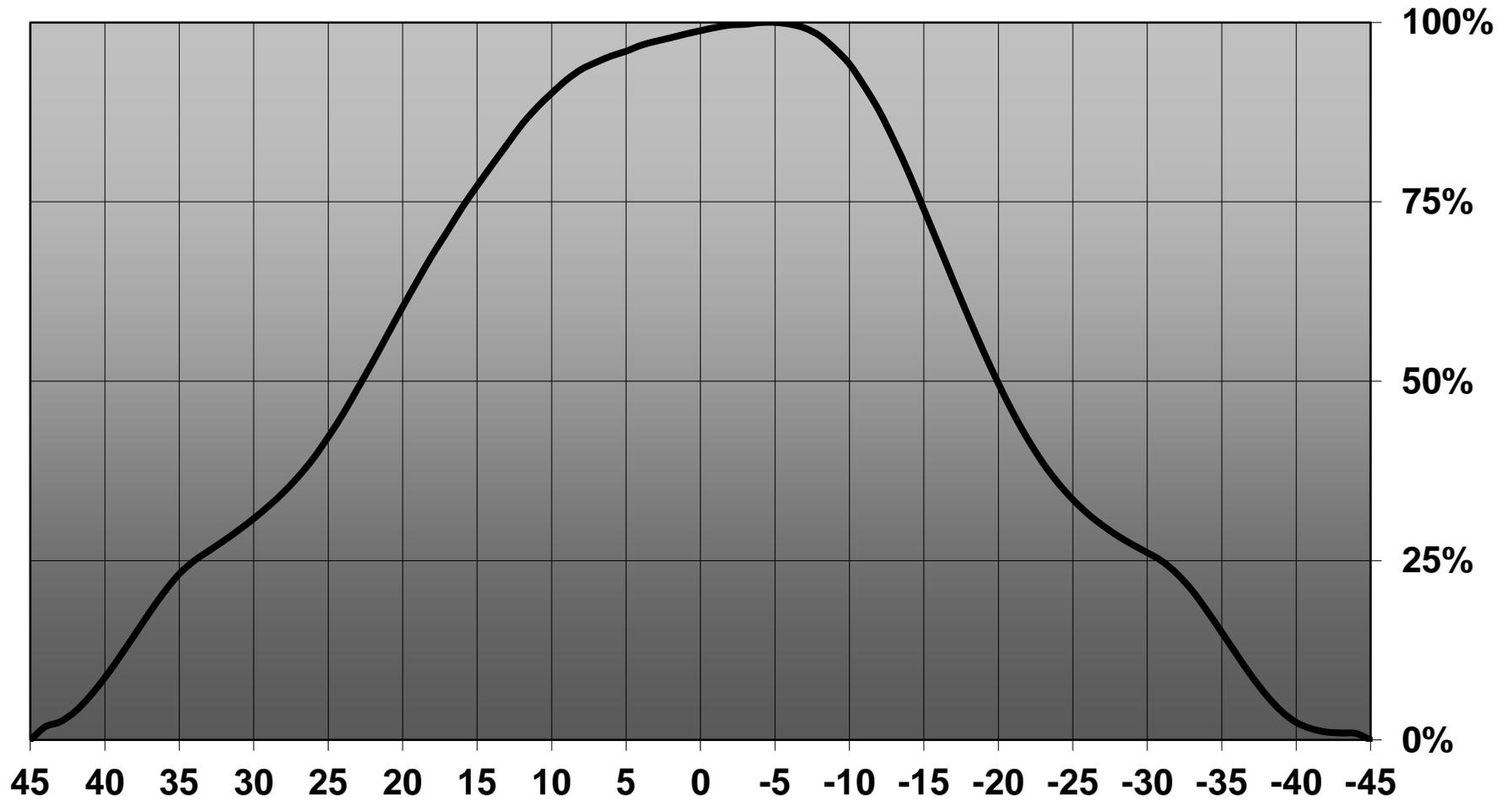
Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(MTG2)



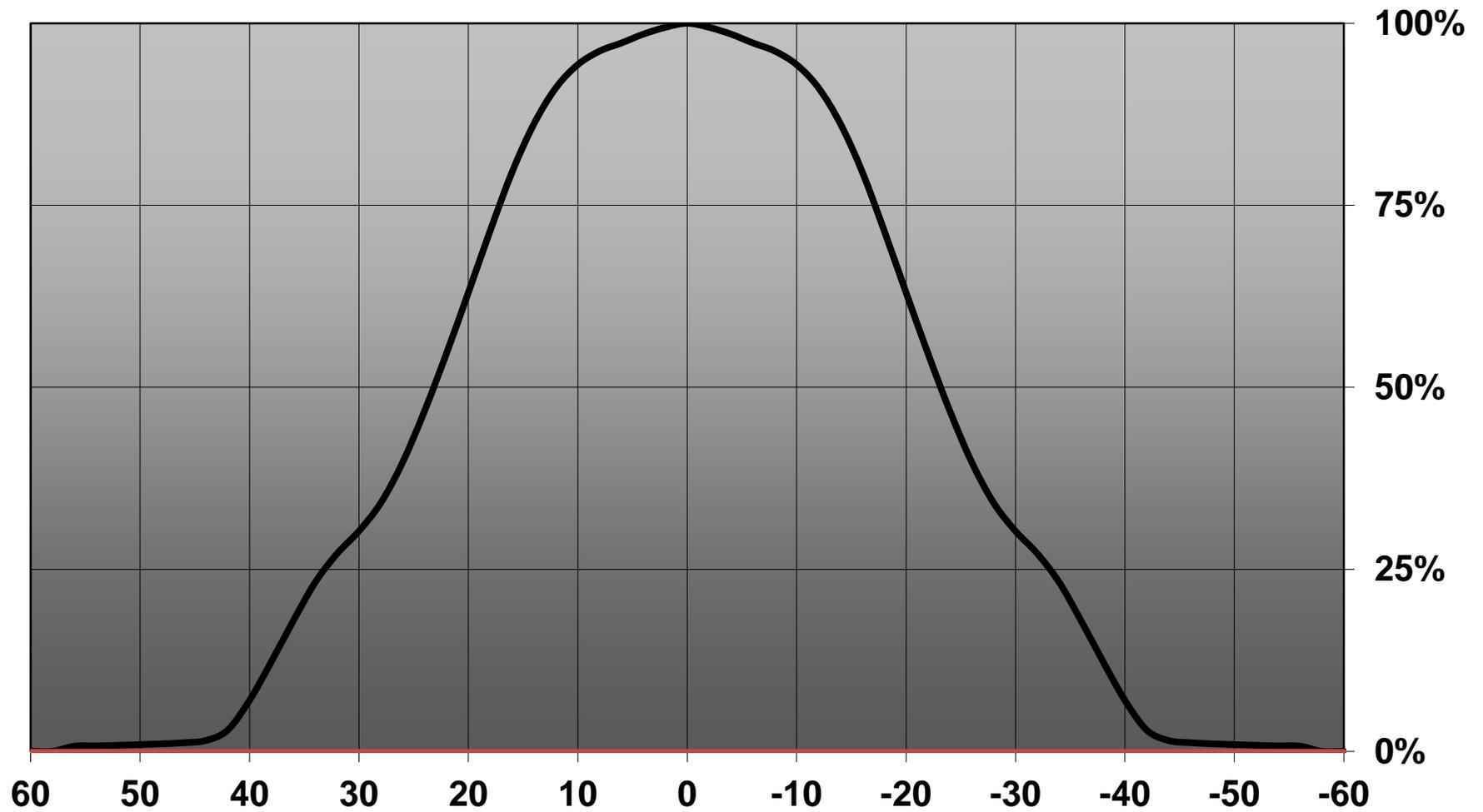
Relative intensity of CN13525_MIRELLA-50-W-CL-PF-(LG4W)



Relative intensity of CN13525_MIRELLA-50-W-CL-PF_(Duris_S10)



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



D

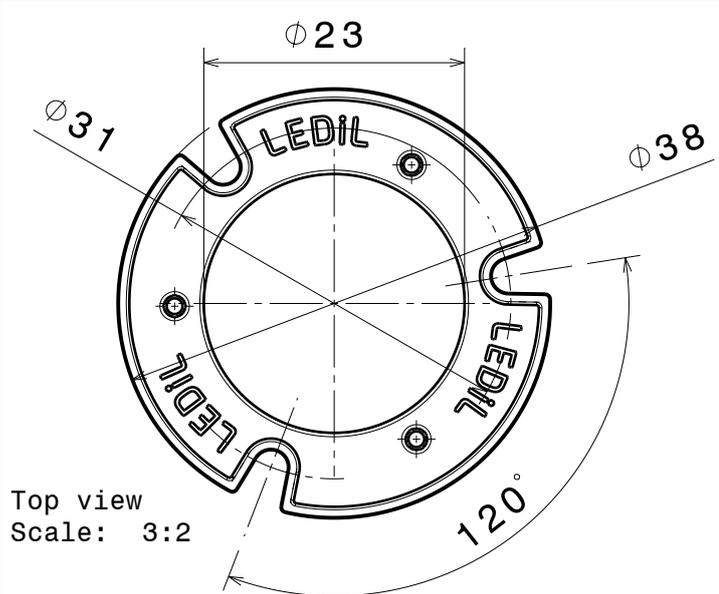
C

B

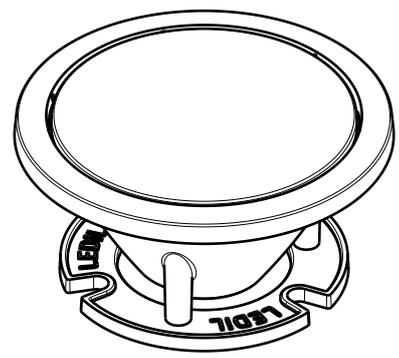
A

4

4



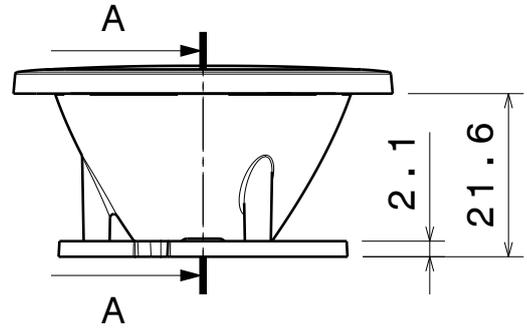
Top view
Scale: 3:2



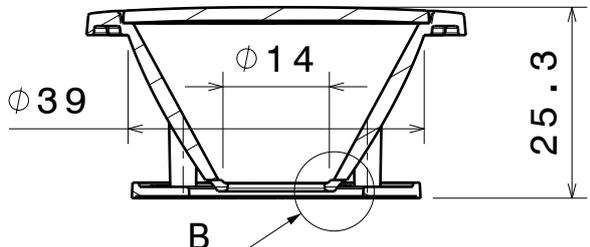
Isometric view

3

3



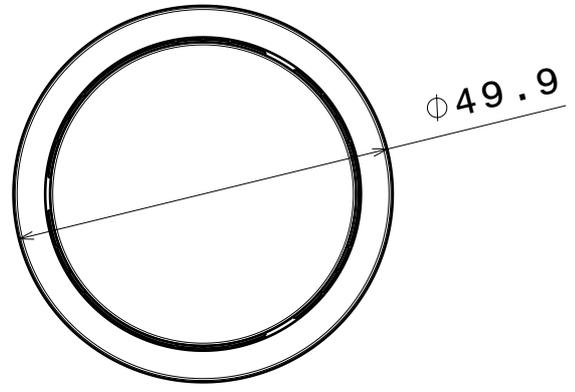
Front view



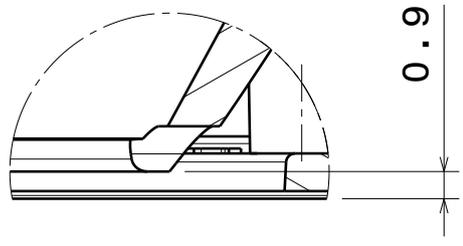
Section view A-A

2

2



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](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)

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Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE Mechanical drawing

DRAWN BY
as

DATE
28.8.2012

MIRELLA-DL-PF

CHECKED BY
VS

DATE
28.8.2012

SIZE
A4

REV
001

DESIGNED BY
as

DATE
-

SCALE 1:1

WEIGHT -

SHEET 1/1

D

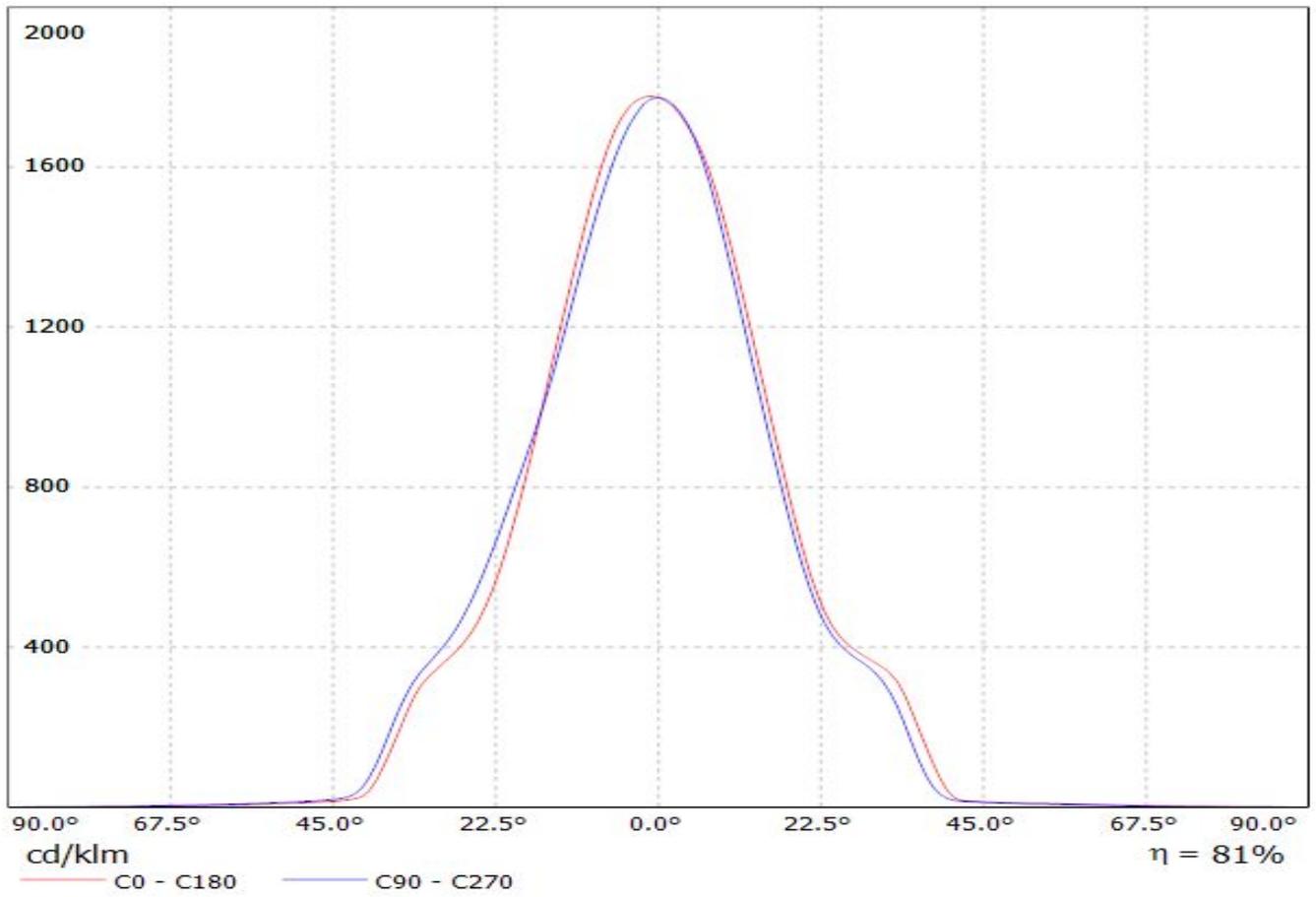
A

1

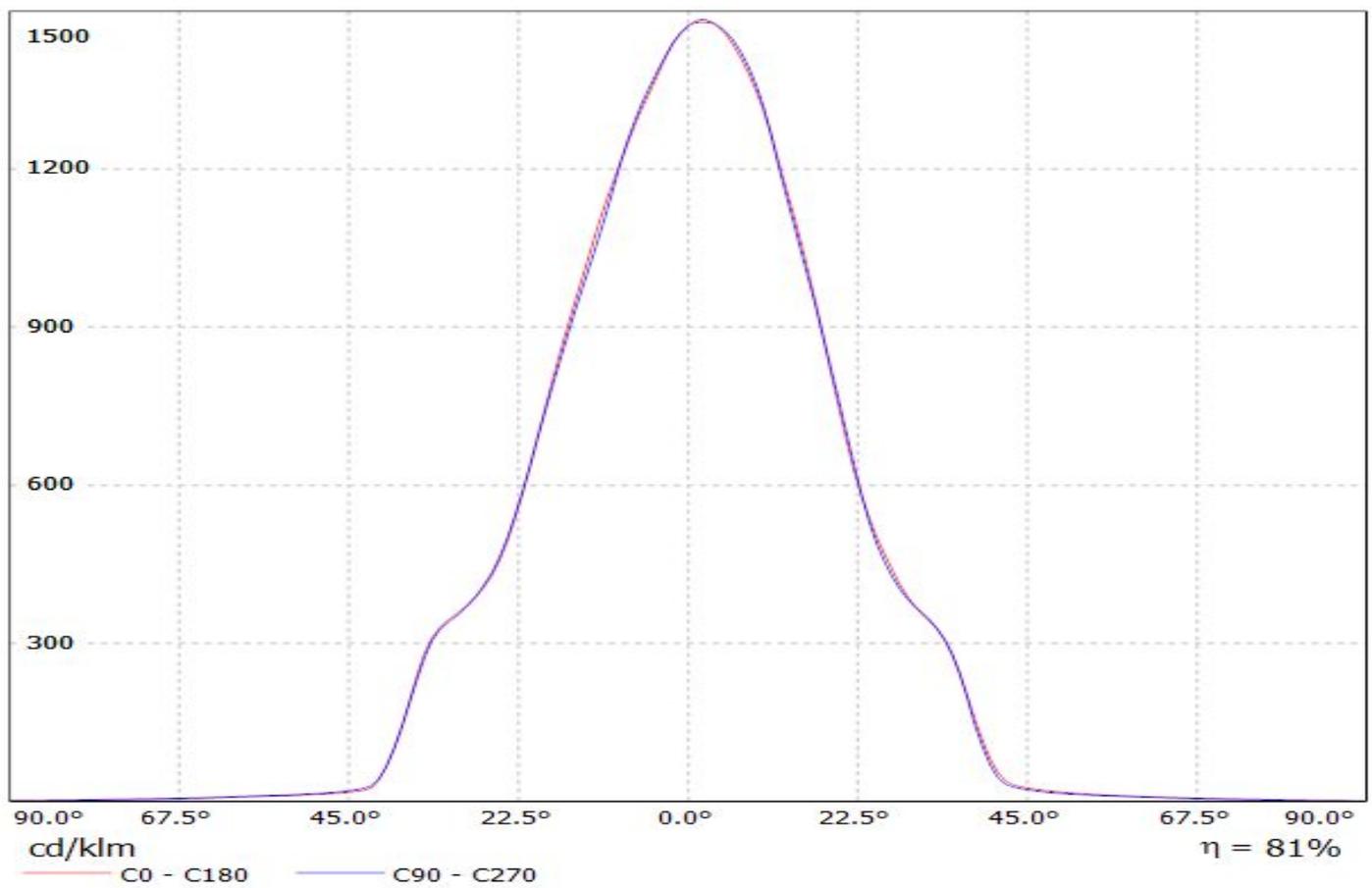
1

Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CLU700)

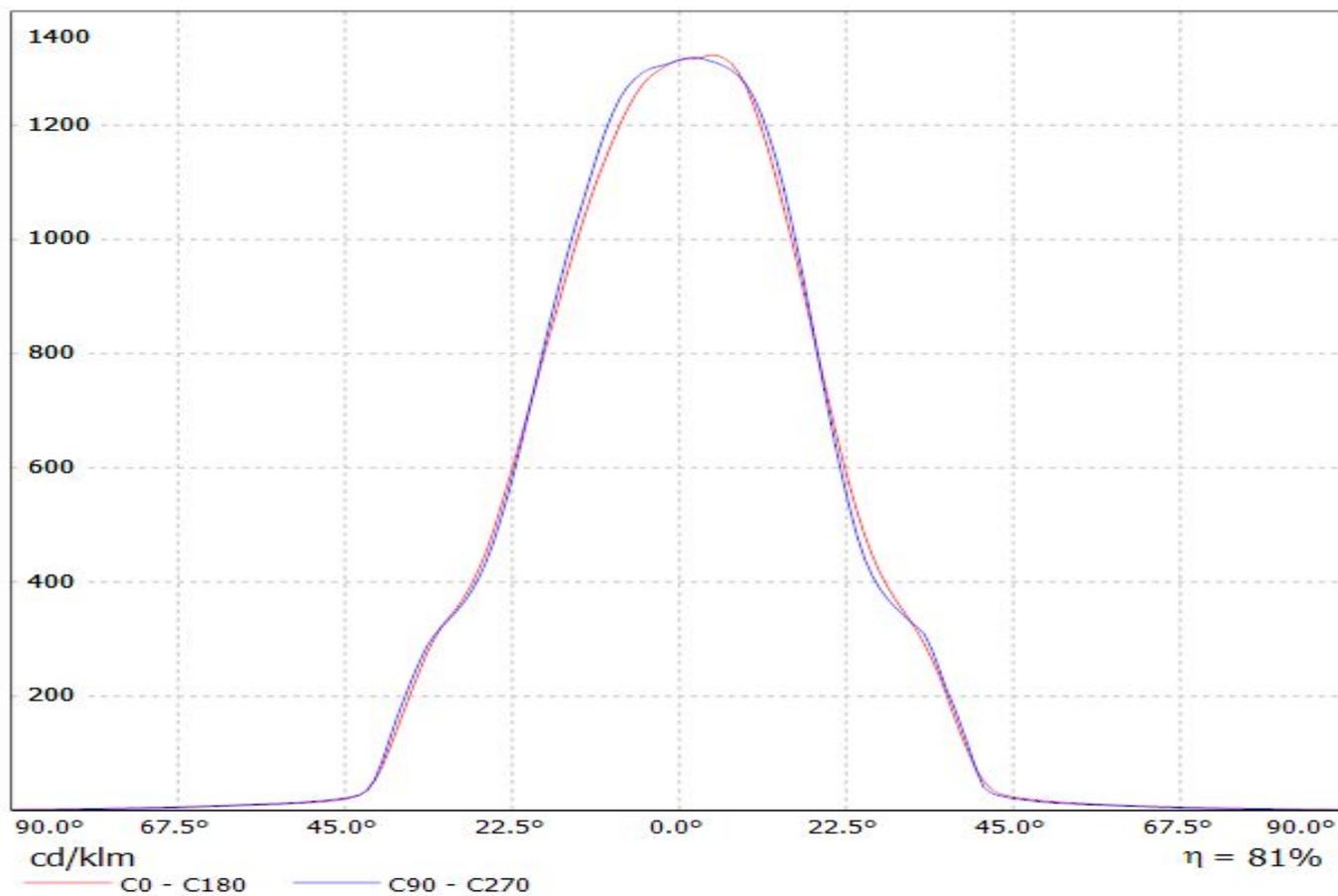
Lamps: 1 x Citizen_CLU700_C13083_PF-SOCKET_394.785lm@100mA_P=2.92999W_I=0.1044A



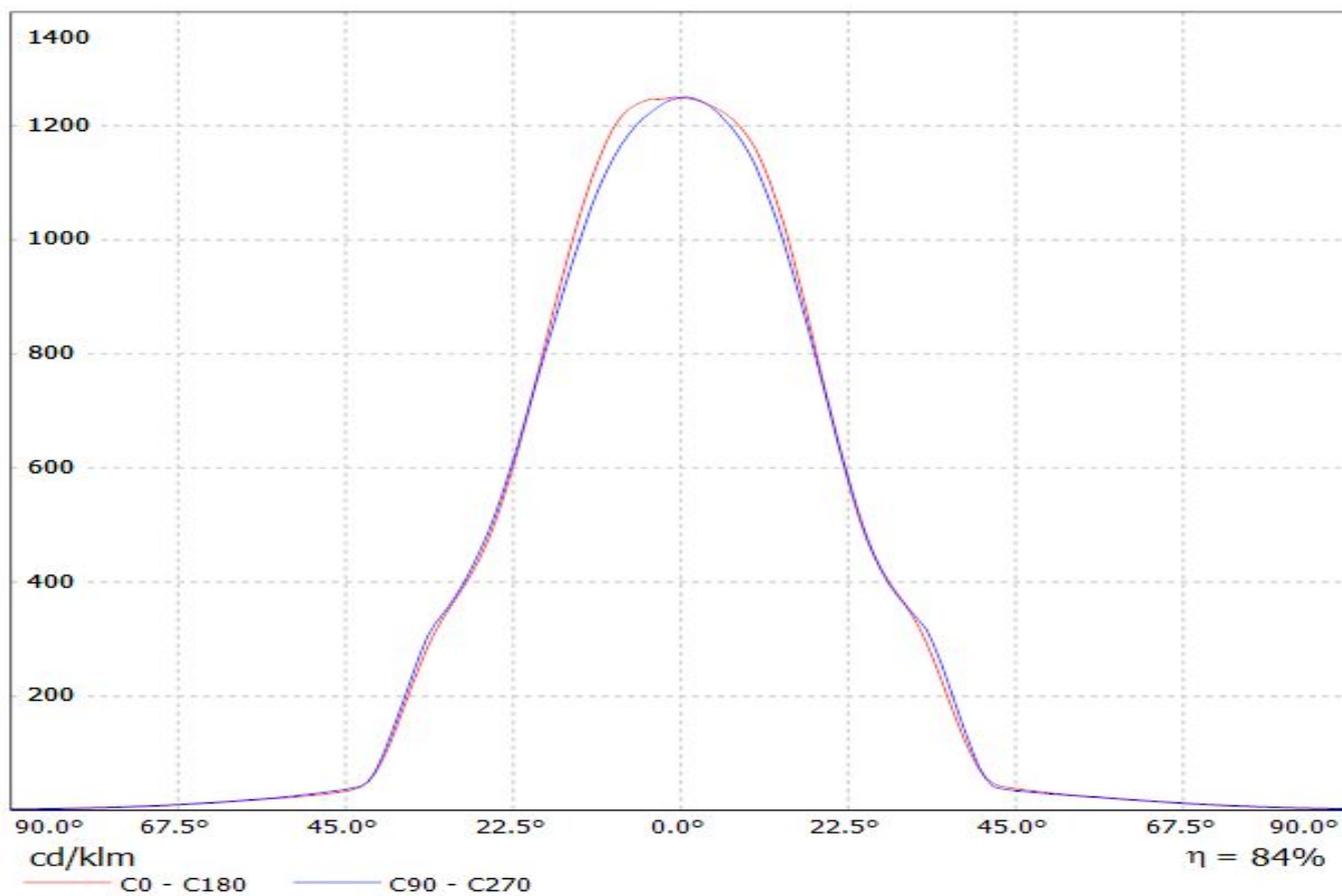
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP50_WARM_WHITE)
Lamps: 1 x CREE_XHP50_WARM_WHITE_195.088lm@250mA_P=1.40004W_I=0.2499A



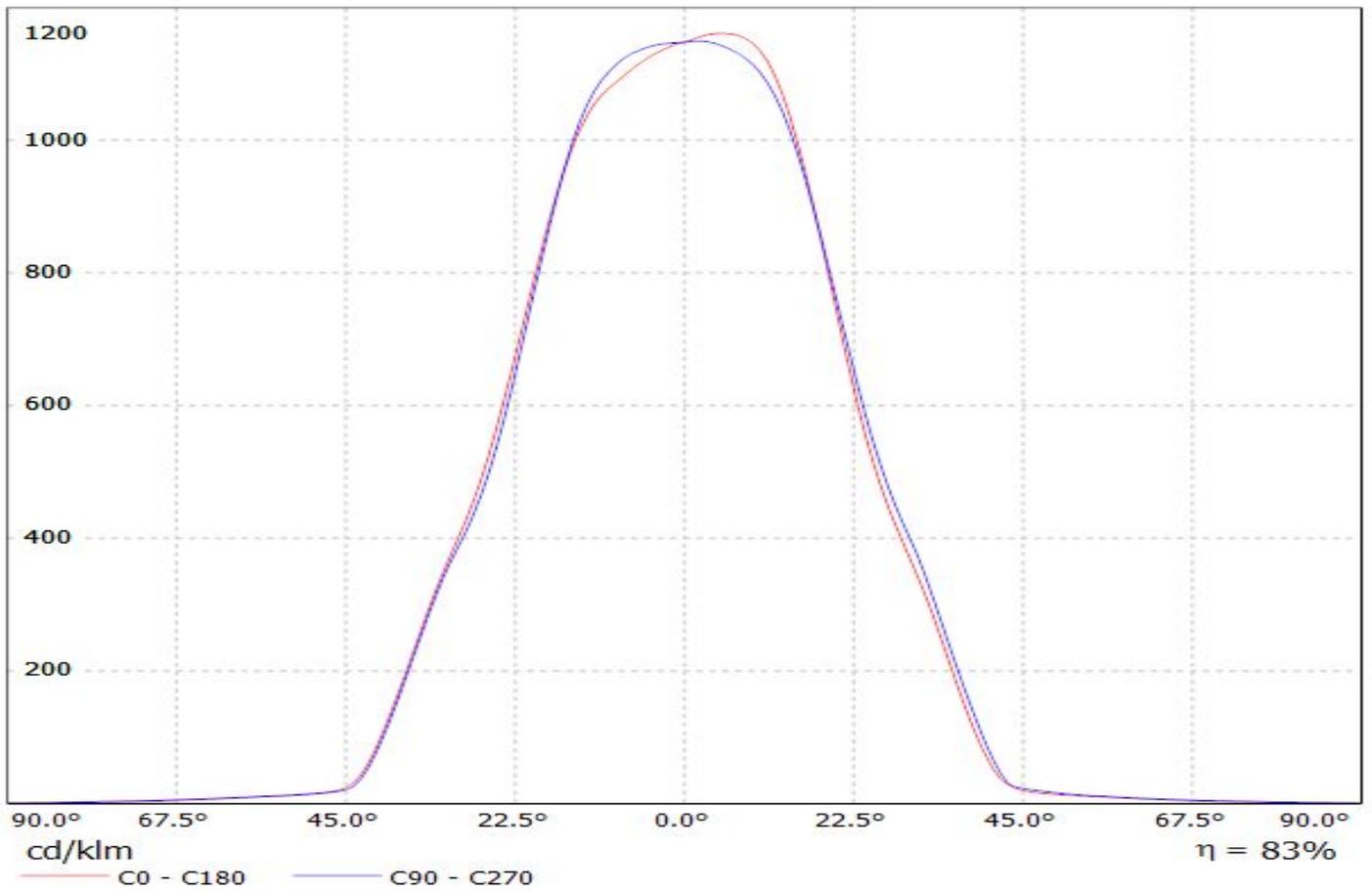
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_260.212lm@250mA_P=1.383W_I=0.2499A



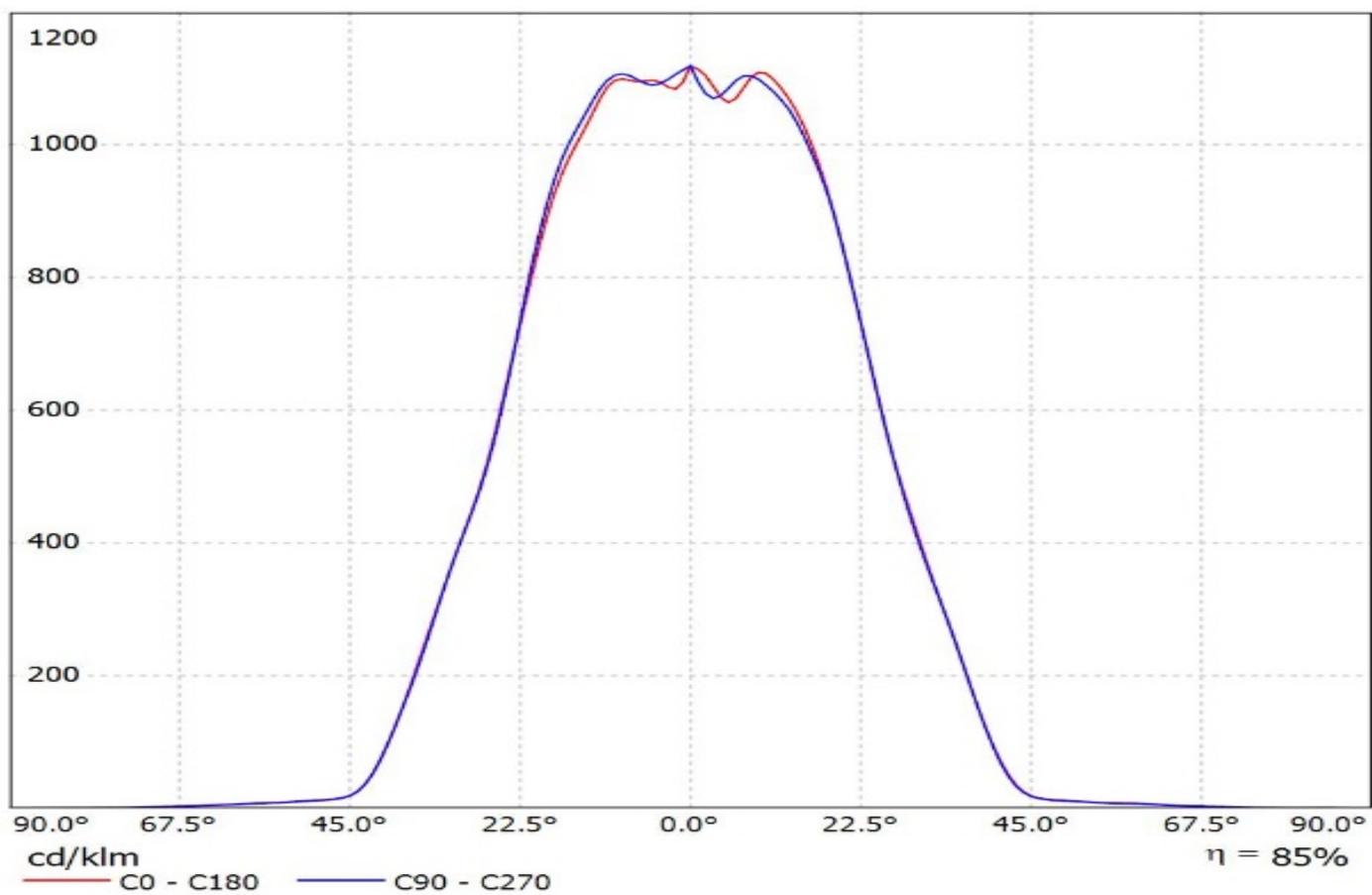
Luminaire: Ledil CN13525_MIRELLA-50-W-CL-PF_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



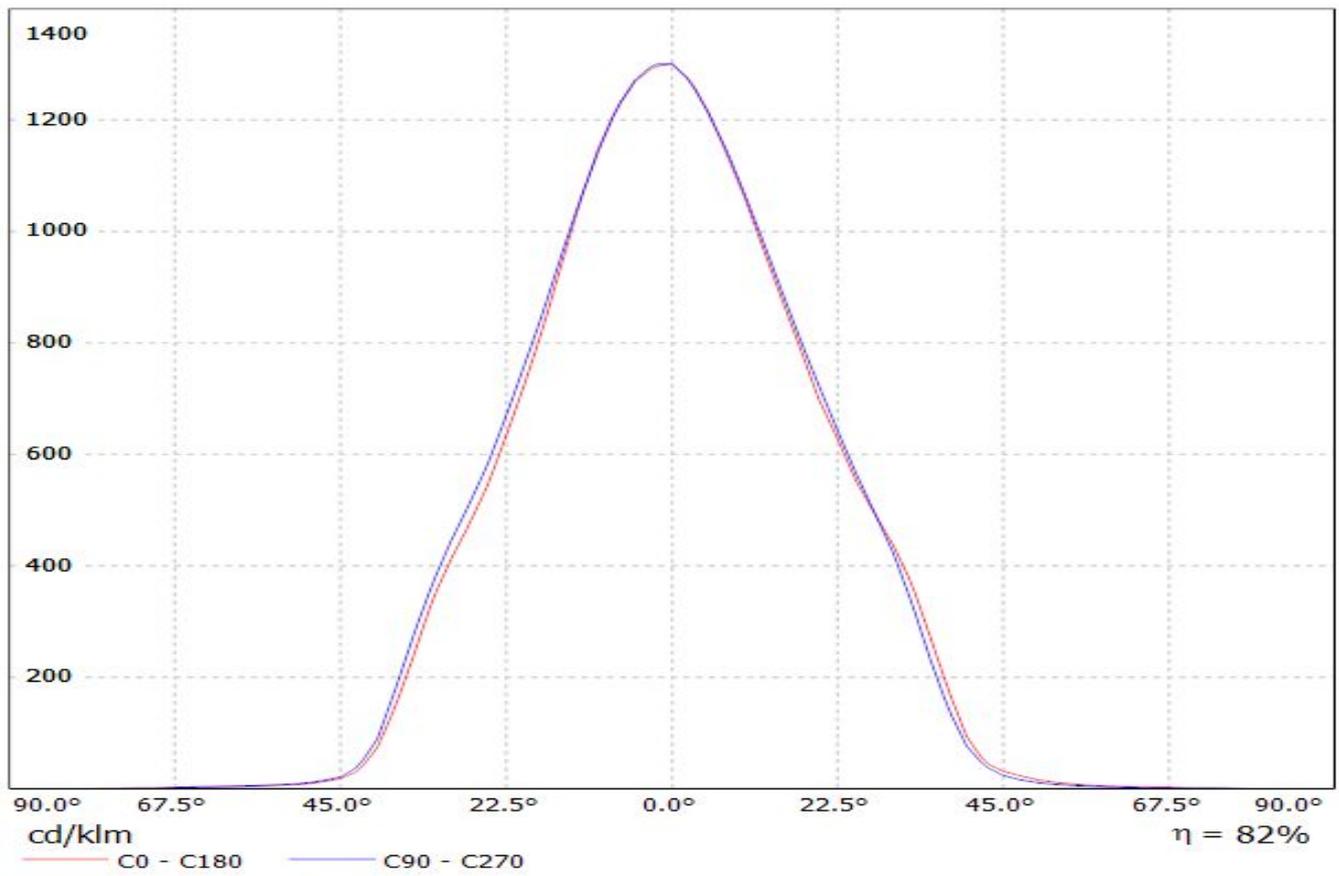
Luminaire: LEDiL Oy CN13525_MIRELLA-50-W-CL-PF_(CXM-9)
Lamps: 1 x Luminus_XNOVA_CXM-9_962.046lm@240mA_P=8.29334W_I=240mA



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

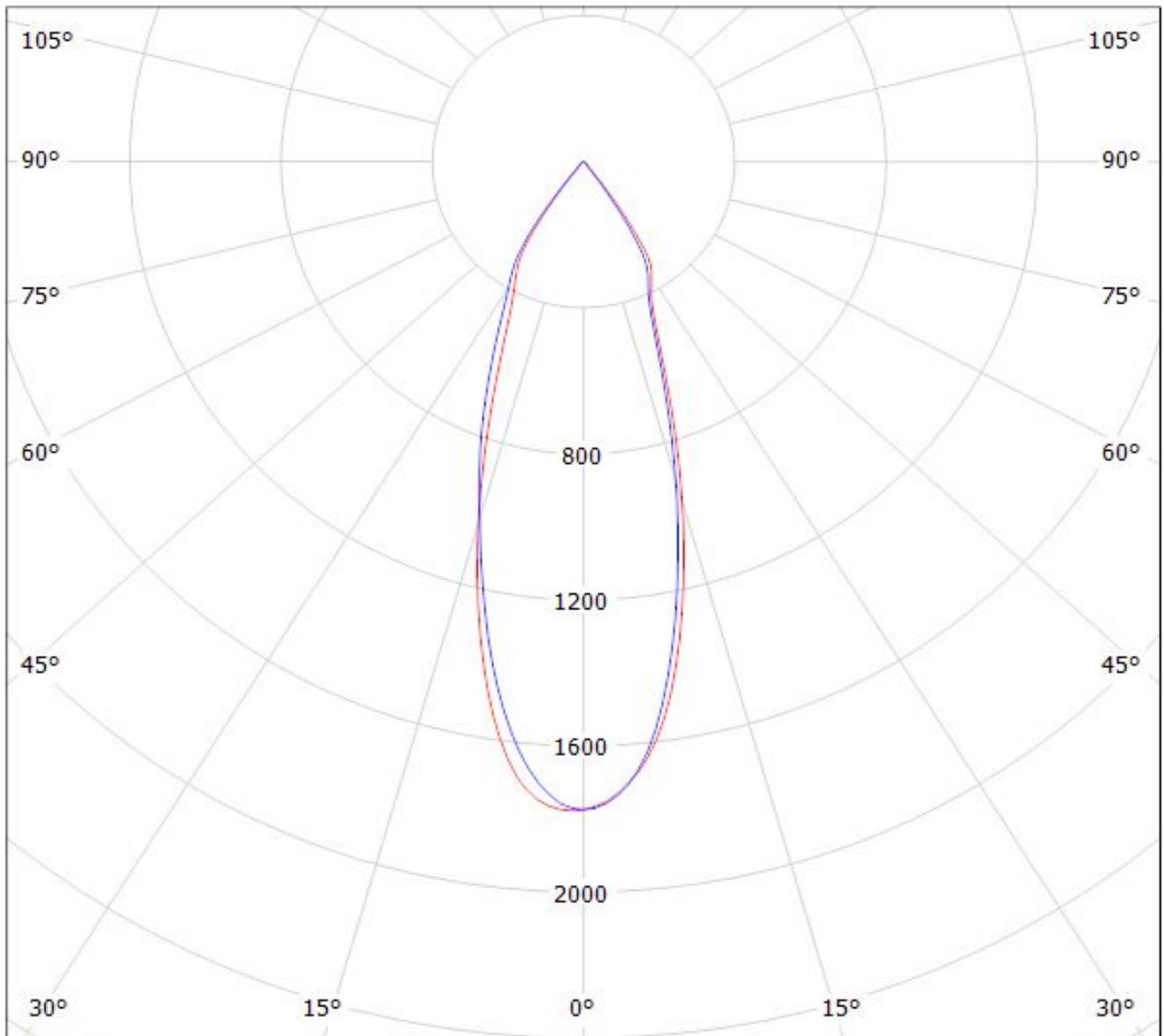


Luminaire: LEDil Oy CN13525_MIRELLA-50-W-CL-PF_(ZC6) Efficiency=80%
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



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



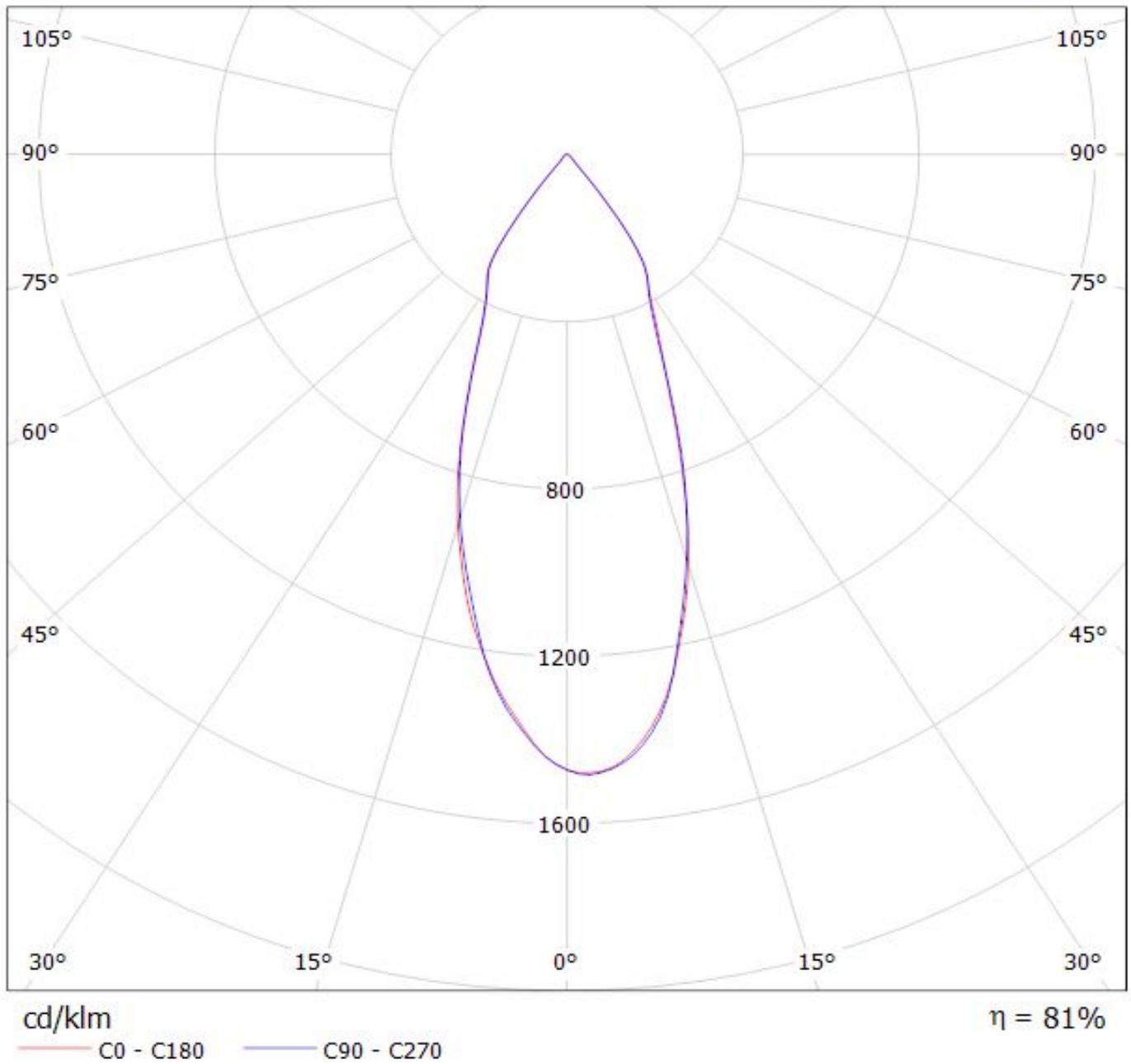
cd/klm

— C0 - C180

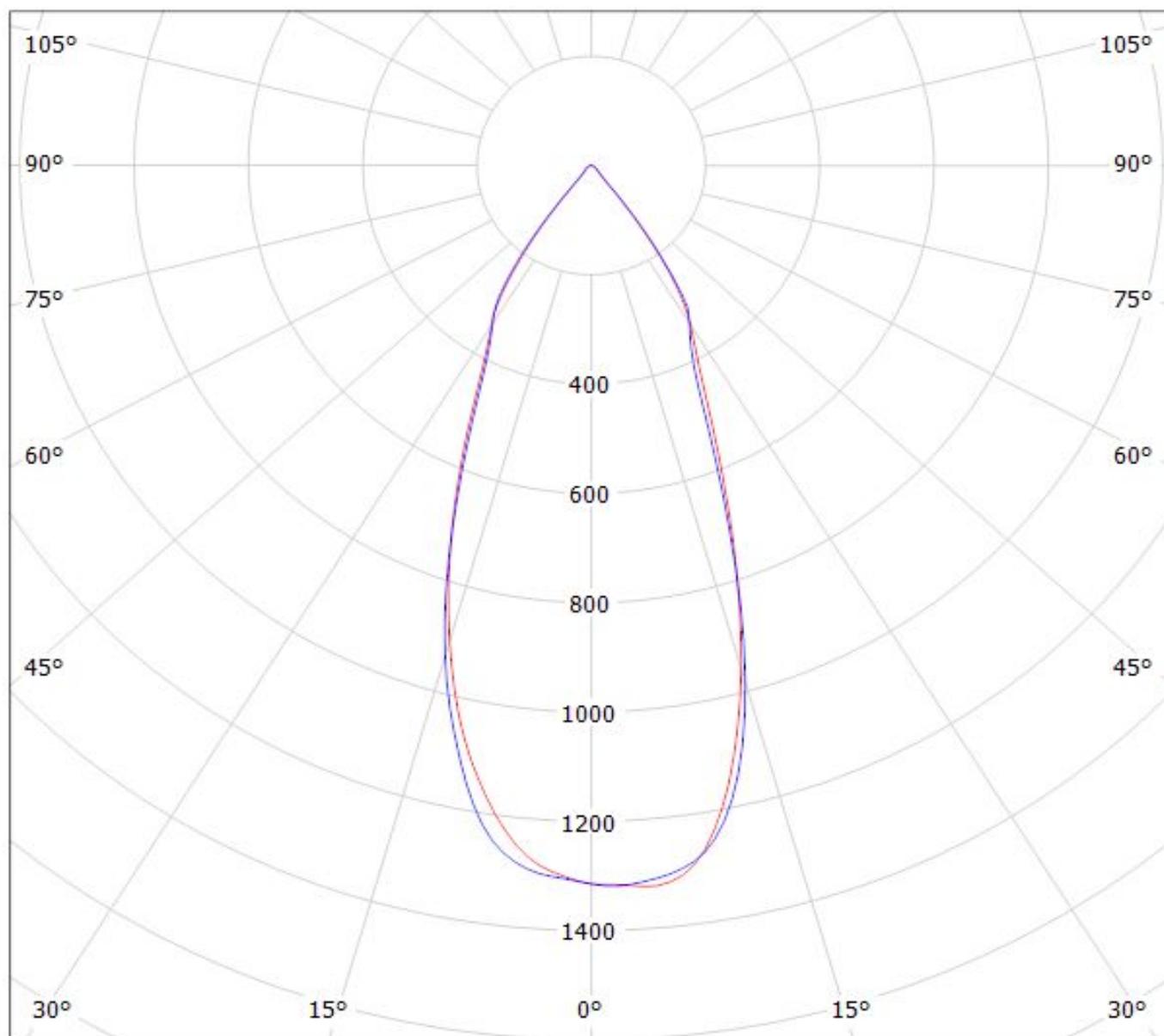
— C90 - C270

$\eta = 81\%$

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

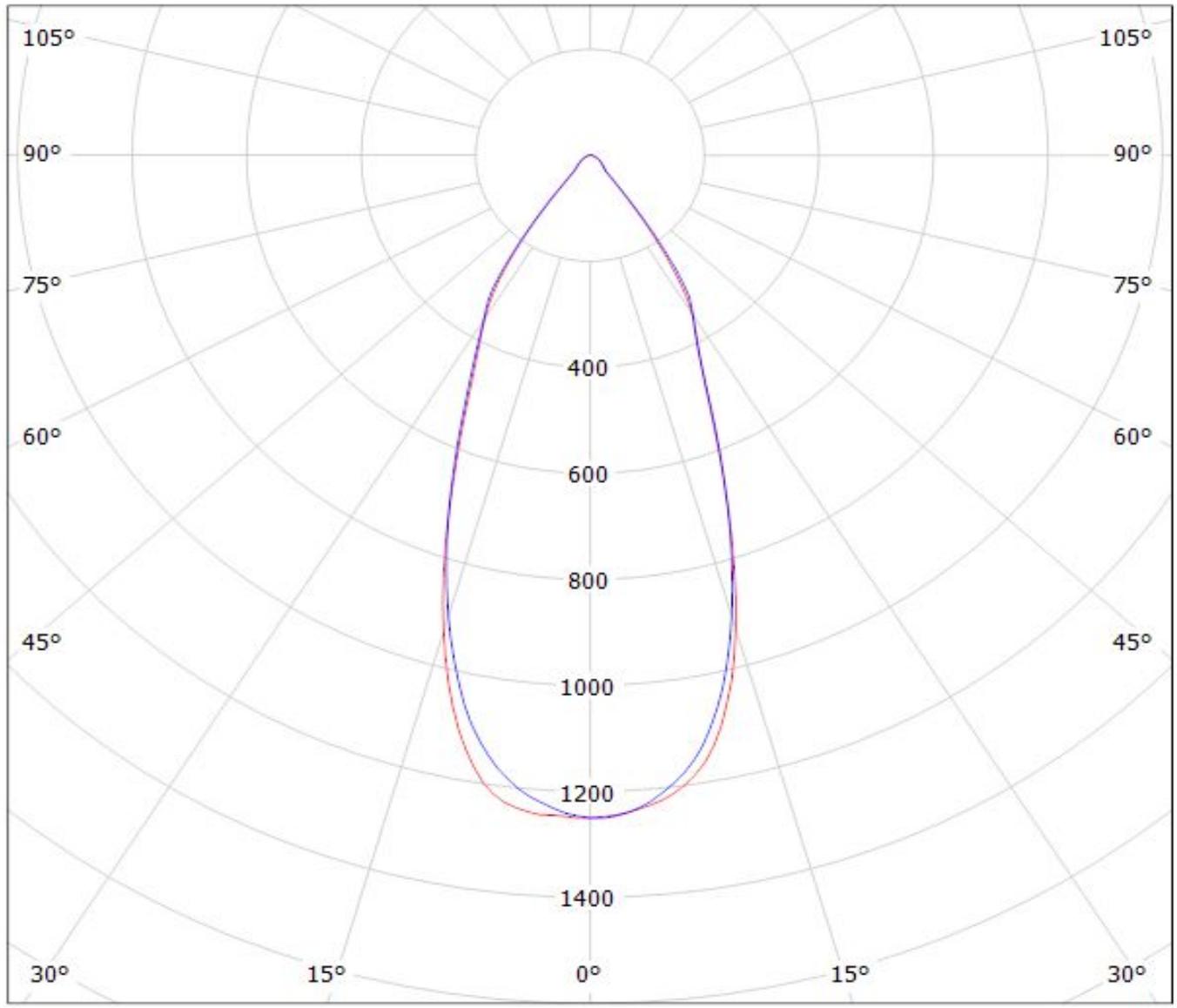


cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

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

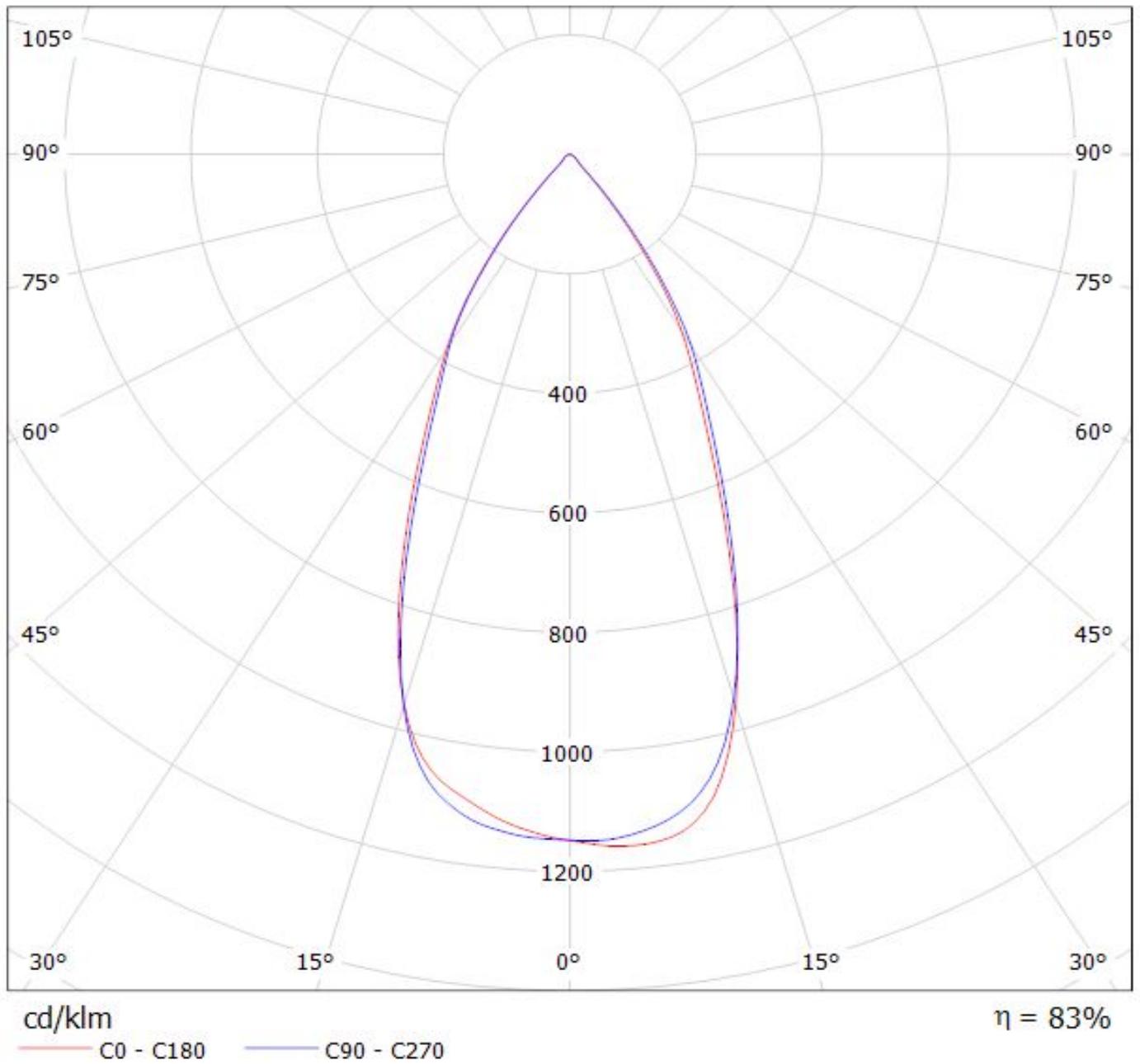


cd/klm

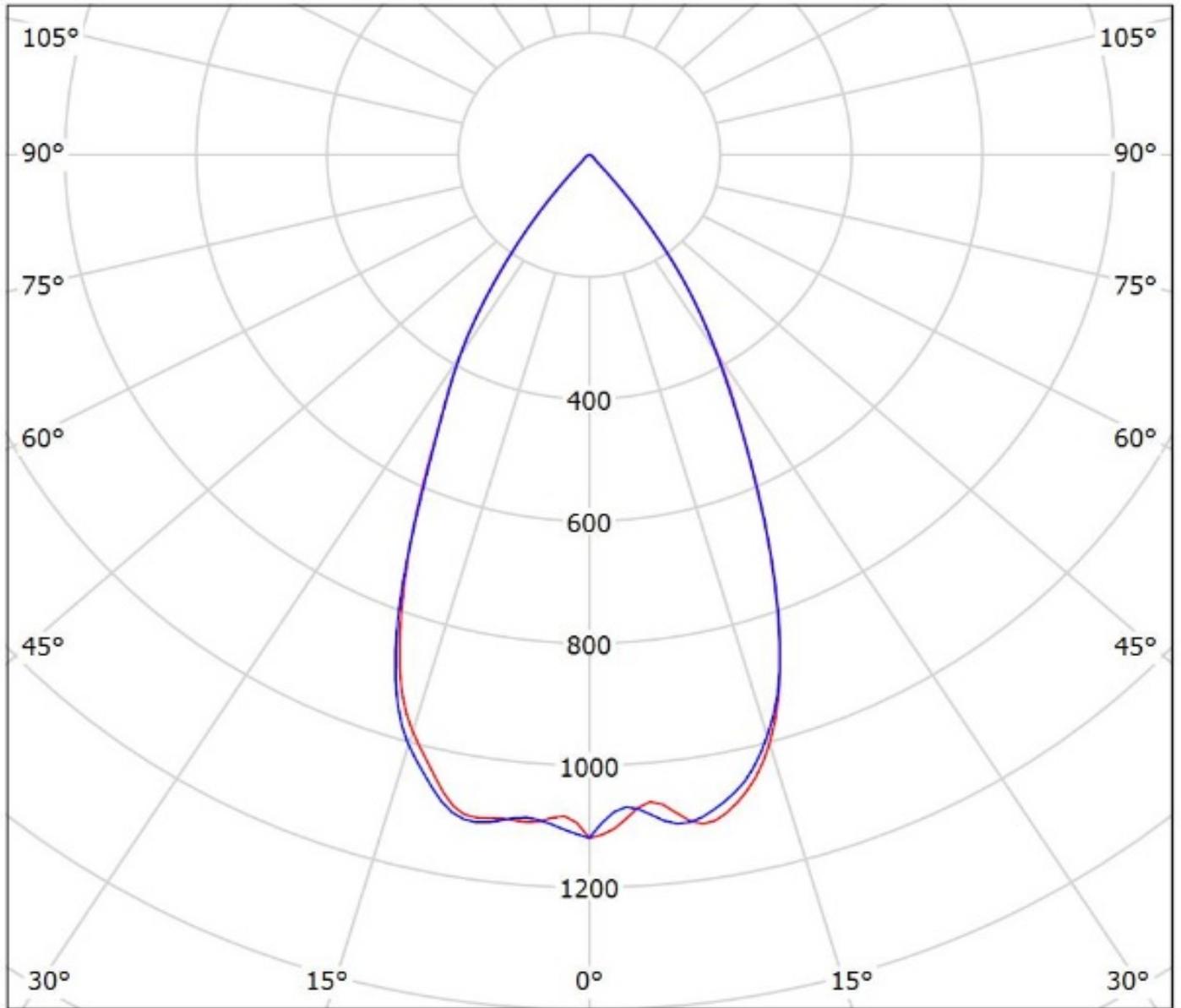
— C0 - C180 — C90 - C270

$\eta = 84\%$

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)

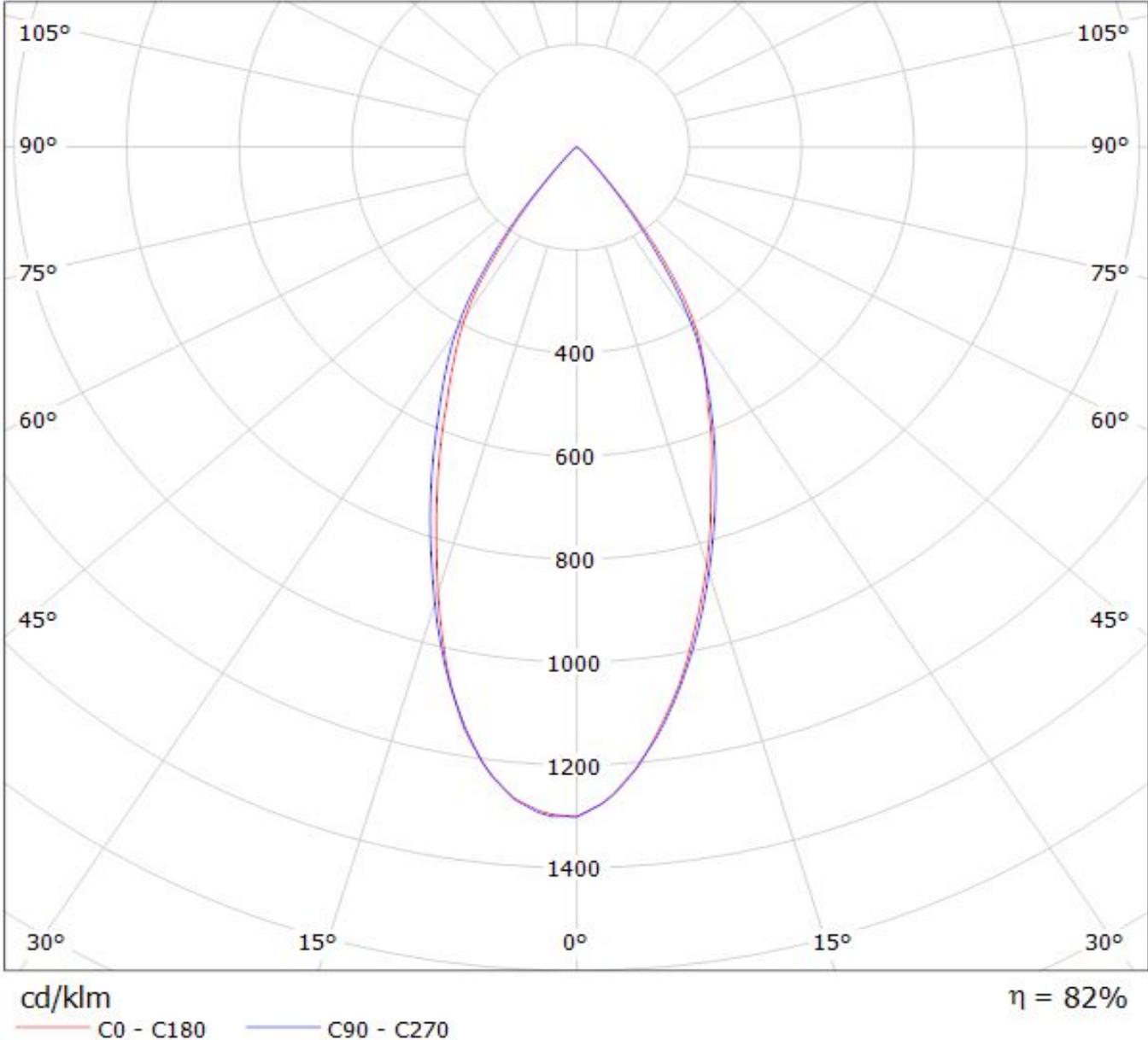


cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

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



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.