

## DETAILS

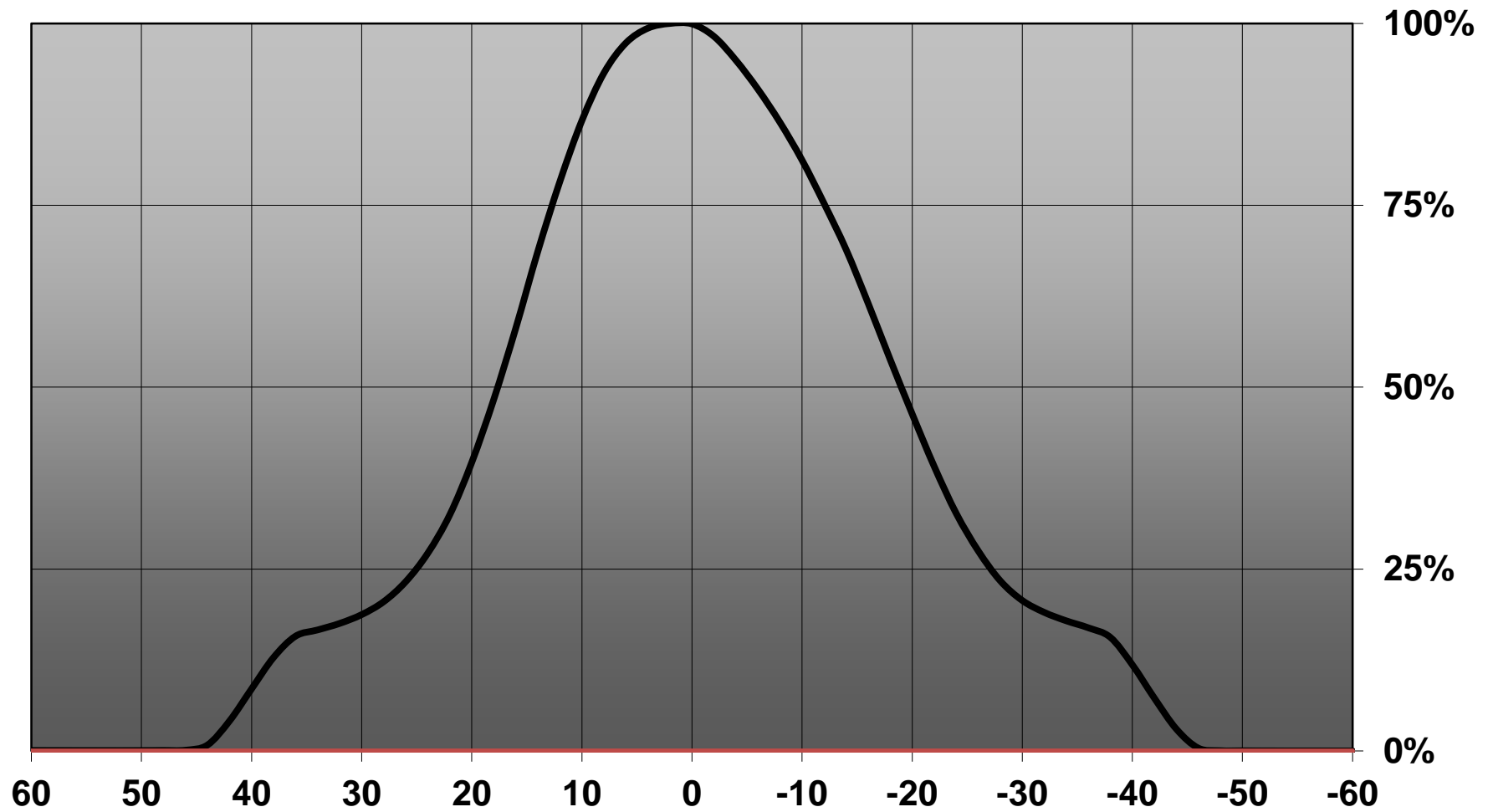
<b>Product Number</b>	CN13129_MIRELLA-50-W-PF
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	24,8 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	glue, screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	31/10/2016



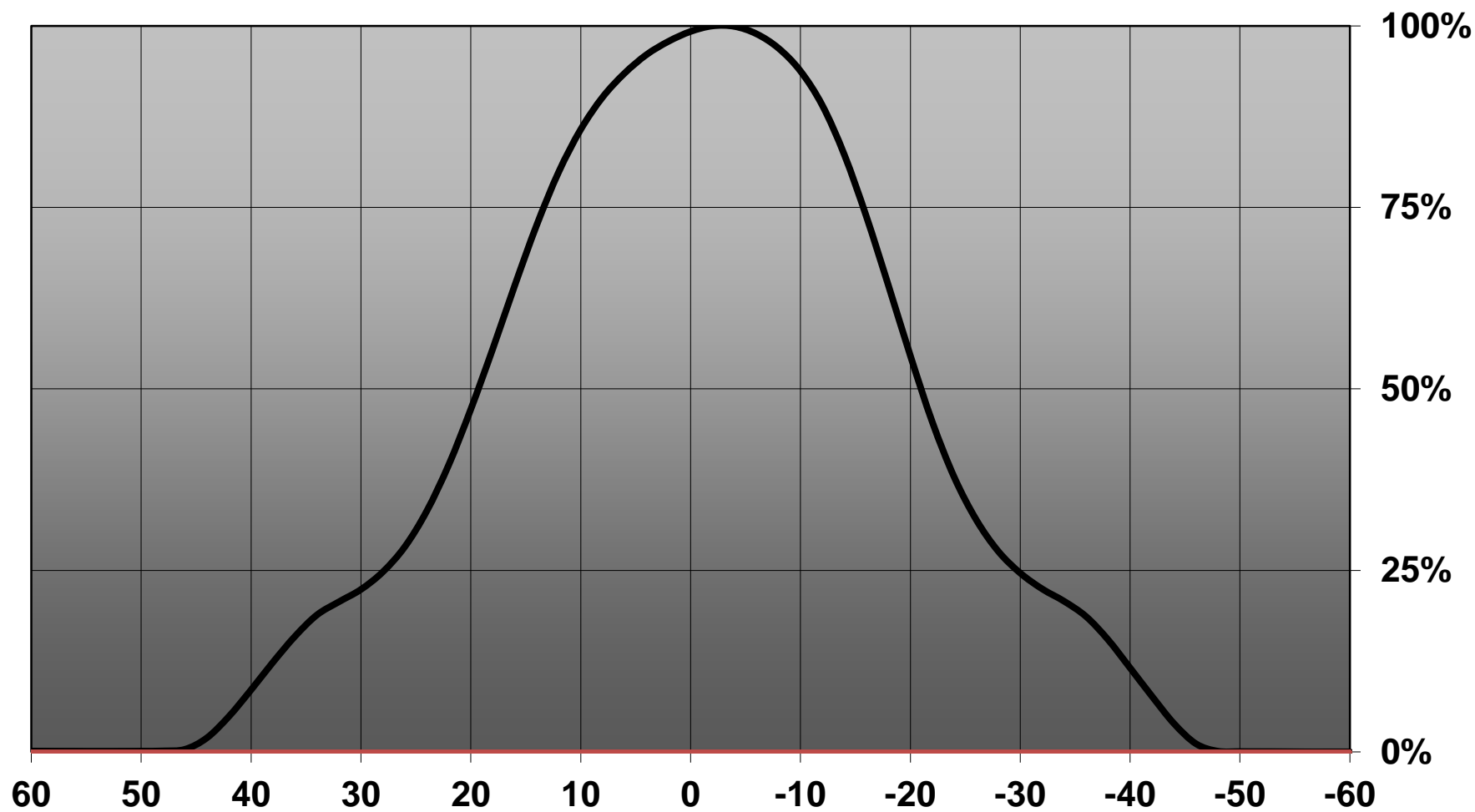
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
CLL01x	36 deg	Wide	90 %	1.800	-
CLL02x/CLU02x (LES10)	41 deg	Wide	90 %	1.800	-
CLU700/701	33 deg	Wide	88 %	1.900	-
MT-G	48 deg	Wide	90 %	1.400	-
MT-G2	46 deg	Wide	91 %	0.800	-
MK-R	30 deg	Wide	85 %	2.100	-
XHP70	39 deg	Wide	86 %	1.500	-
XHP50	33 deg	Wide	87 %	1.800	-
MHD-E/G	38 deg	Wide	89 %	1.500	-
COB 4W	38 deg	Wide	89 %	1.700	-
CXM-6	36 deg	Wide	85 %	1.800	-
CXM-7	38 deg	Wide	86 %	1.600	-
CXM-9	44 deg	Wide	88 %	1.300	-
Duris S10	38 deg	Wide	87 %	1.700	LEDiL: LEDiL
Soleriq S9	sim: 46	Wide	sim: 91 %	sim: 1.400	LEDiL: LEDiL
ZC4/6	42 deg	Wide	86 %	1.400	-
Mini Zenigata (GW6BM)	38 deg	Wide	88 %	1.500	-
SLE G5 LES6	35 deg	Wide	88 %	1.760	LEDiL: LEDiL
SLE G5 LES11	45 deg	Wide	87 %	1.320	LEDiL: LEDiL

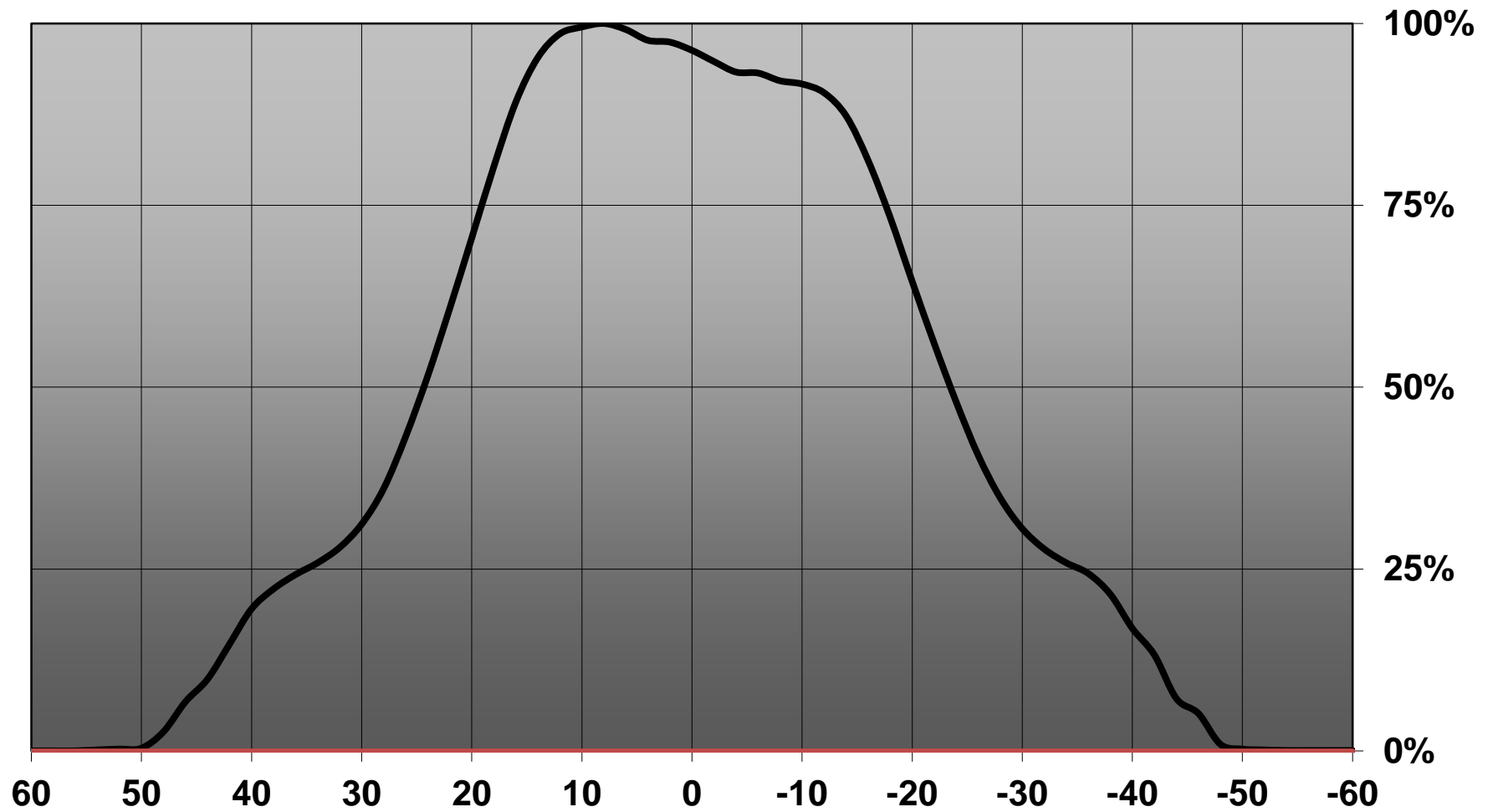
Relative intensity of CN13129\_MIRELLA-50-W-PF-(CLL010)



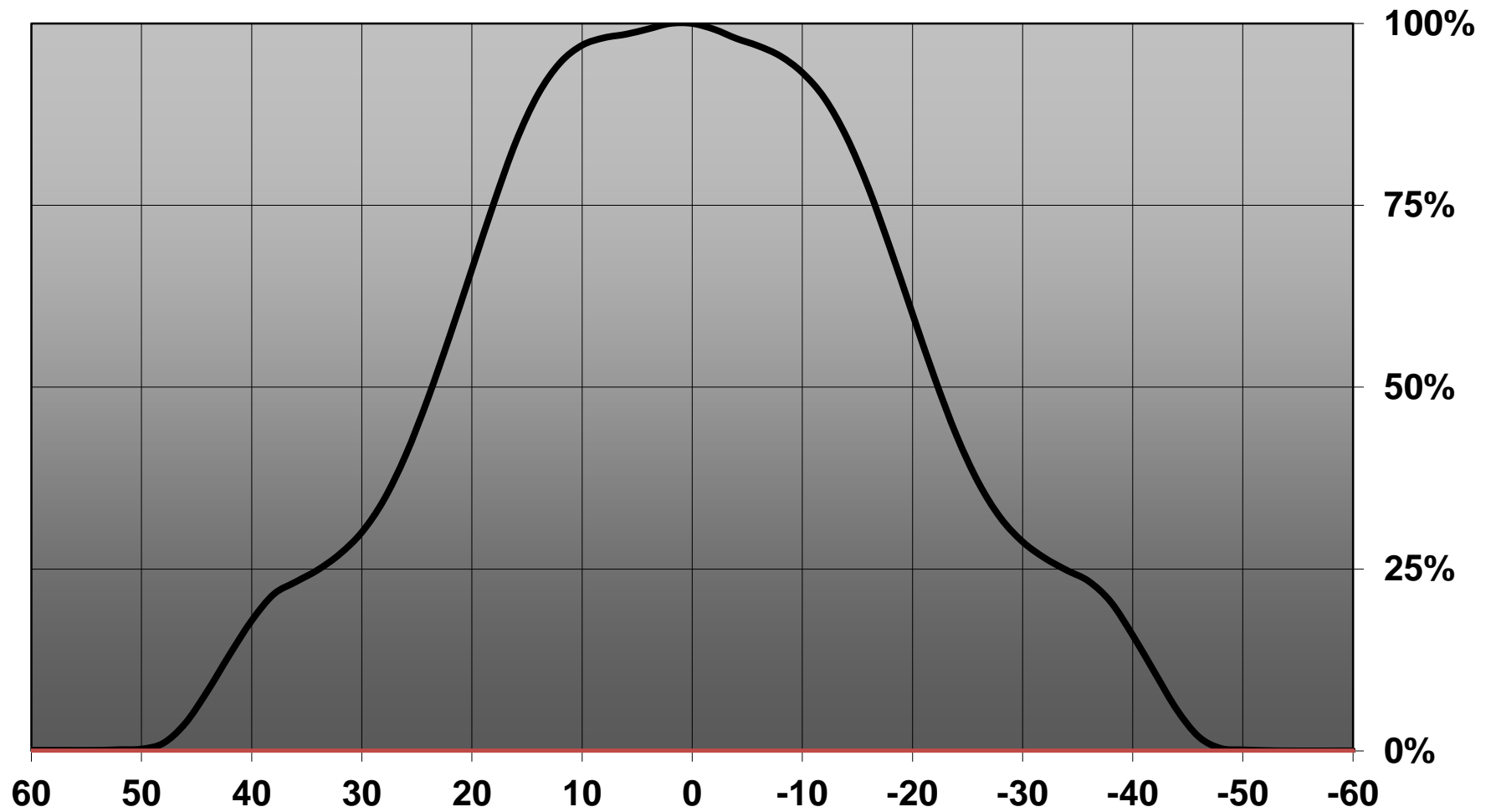
Relative intensity of CN13129\_MIRELLA-50-W-PF-(CLL020)



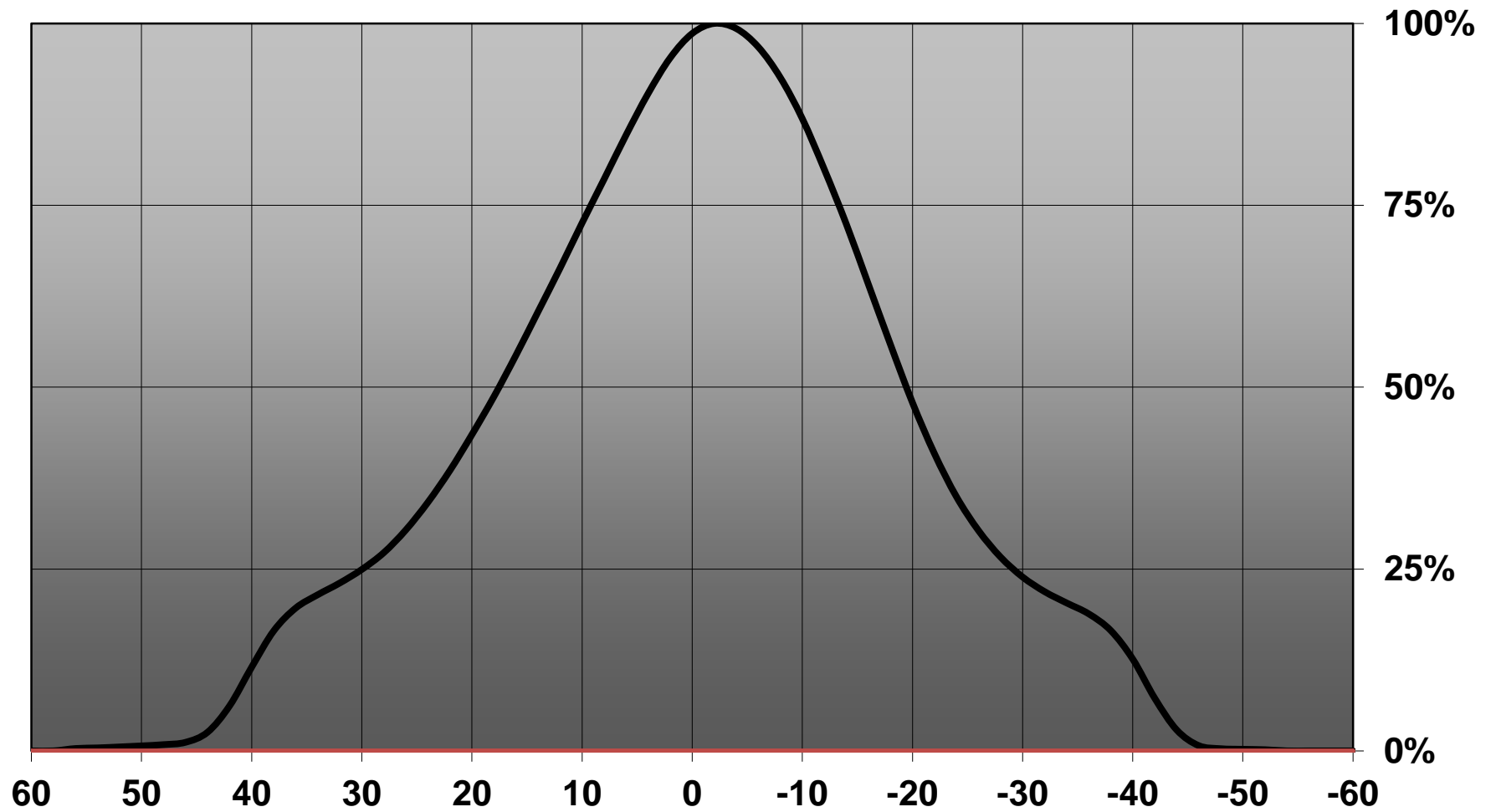
Relative intensity of CN13129\_MIRELLA-50-W-PF-(MTG)



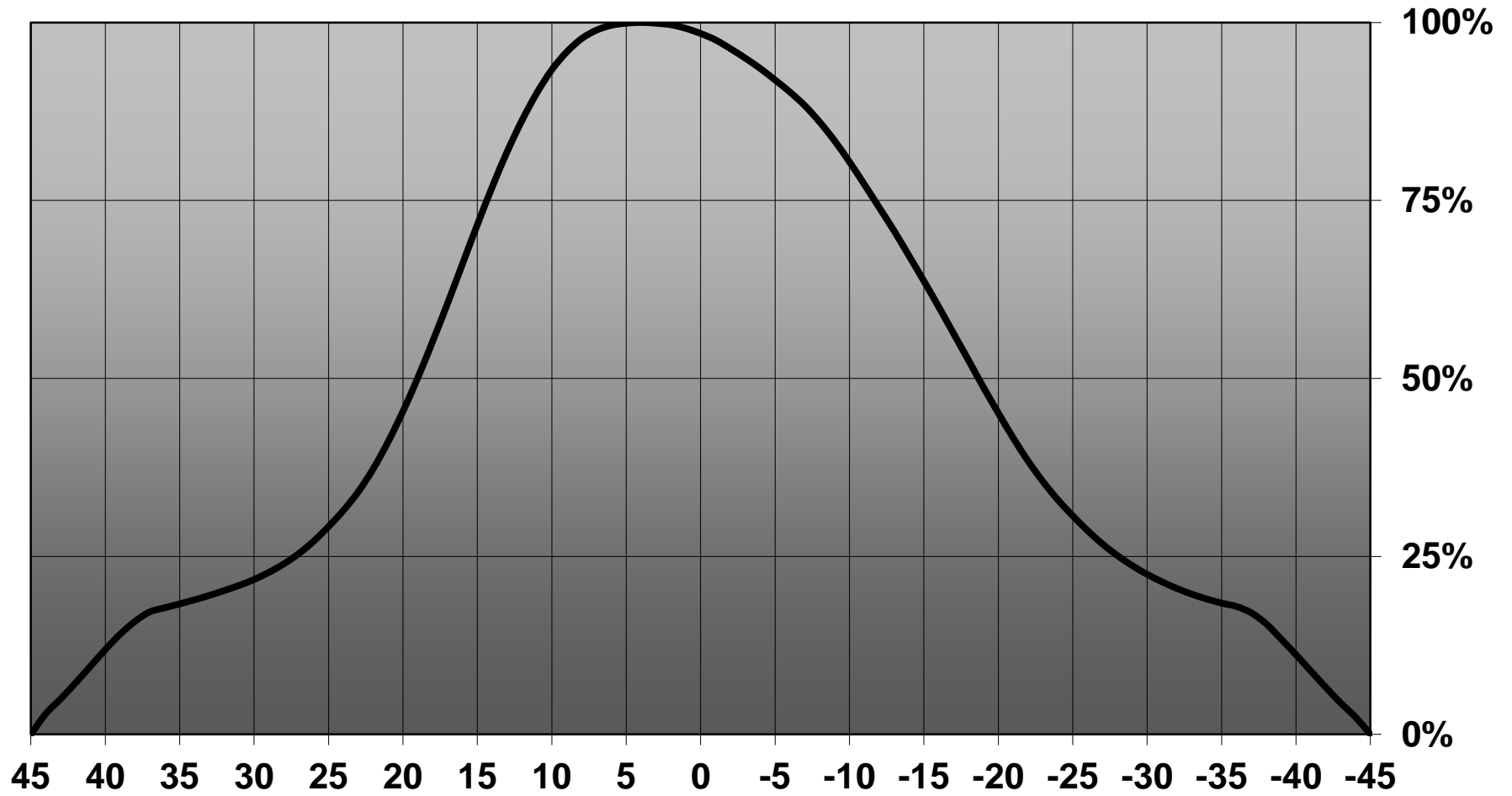
Relative intensity of CN13129\_MIRELLA-50-W-PF-(MTG2)



### Relative intensity of Mirella-W-4WLG



Relative intensity of CN13129\_MIRELLA-50-W-PF\_(Duris\_S10)



D

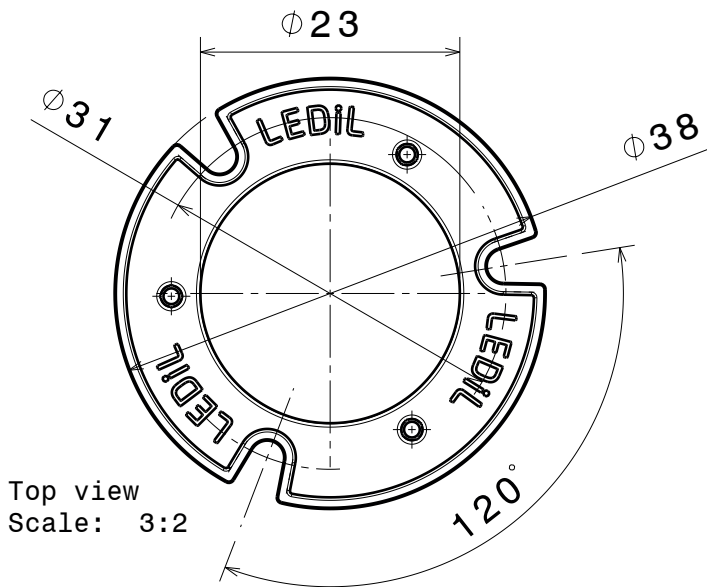
C

B

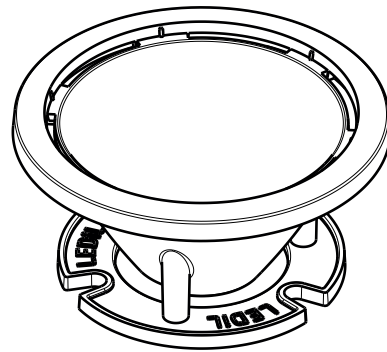
A

4

4



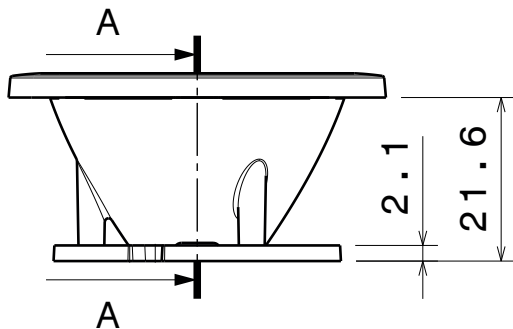
Top view  
Scale: 3:2



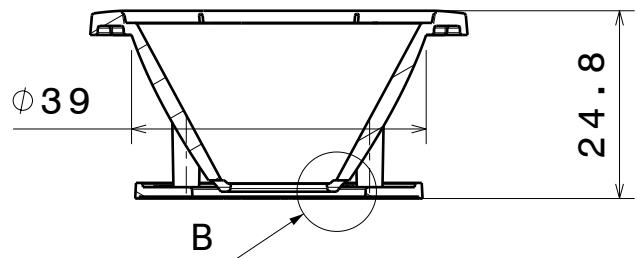
Isometric view

3

3



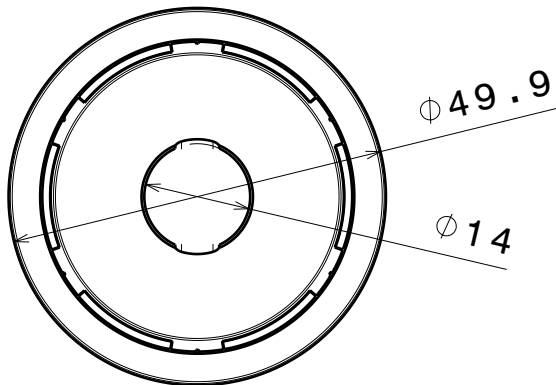
Front view



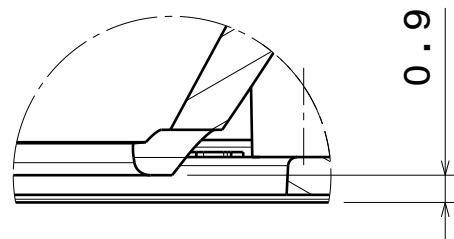
Section view A-A

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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or communicated without  
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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

DRAWING TITLE

Mechanical drawing

DRAWN BY

as

DATE

28.8.2012

MIRELLA-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

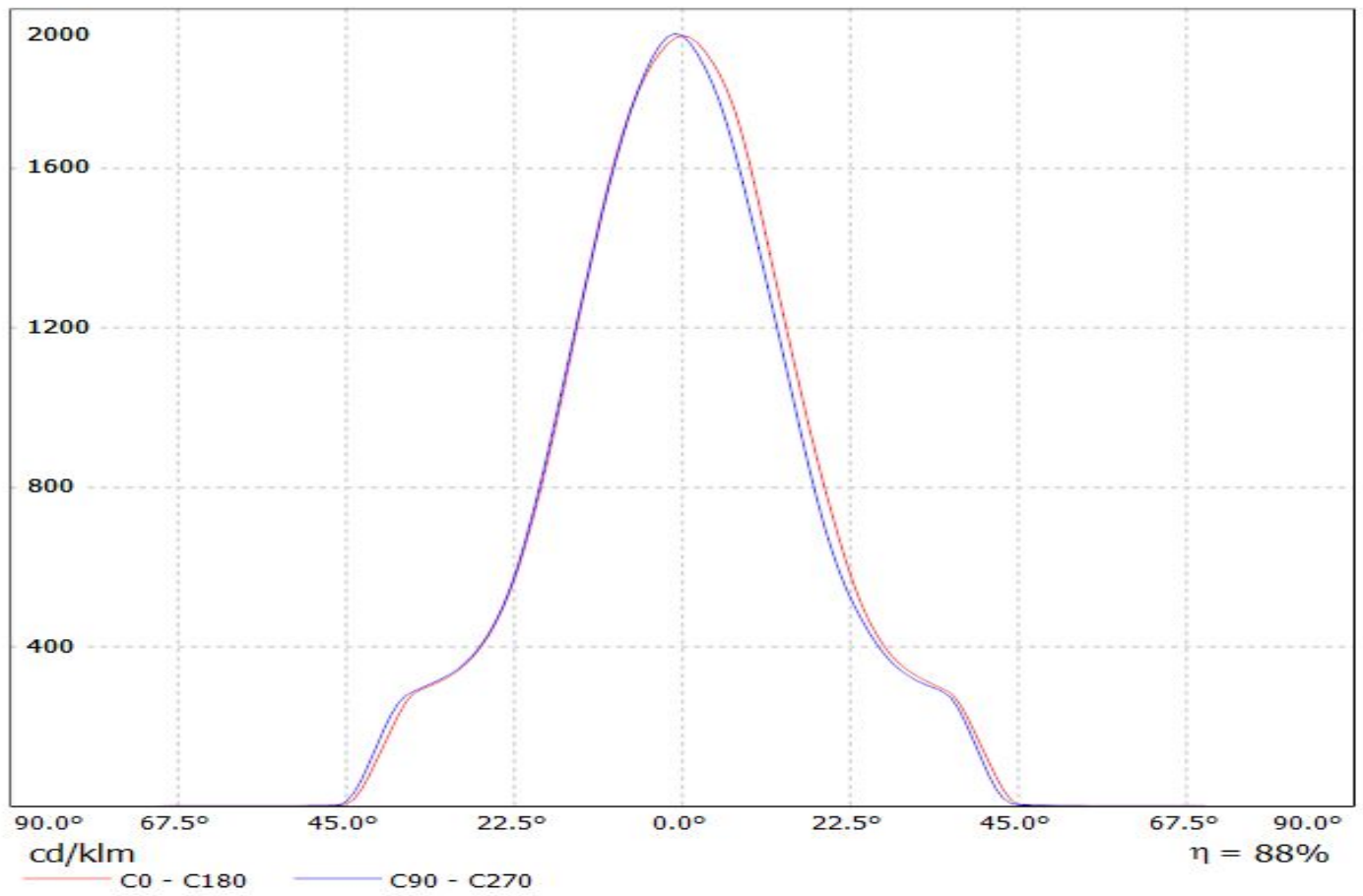
1

1

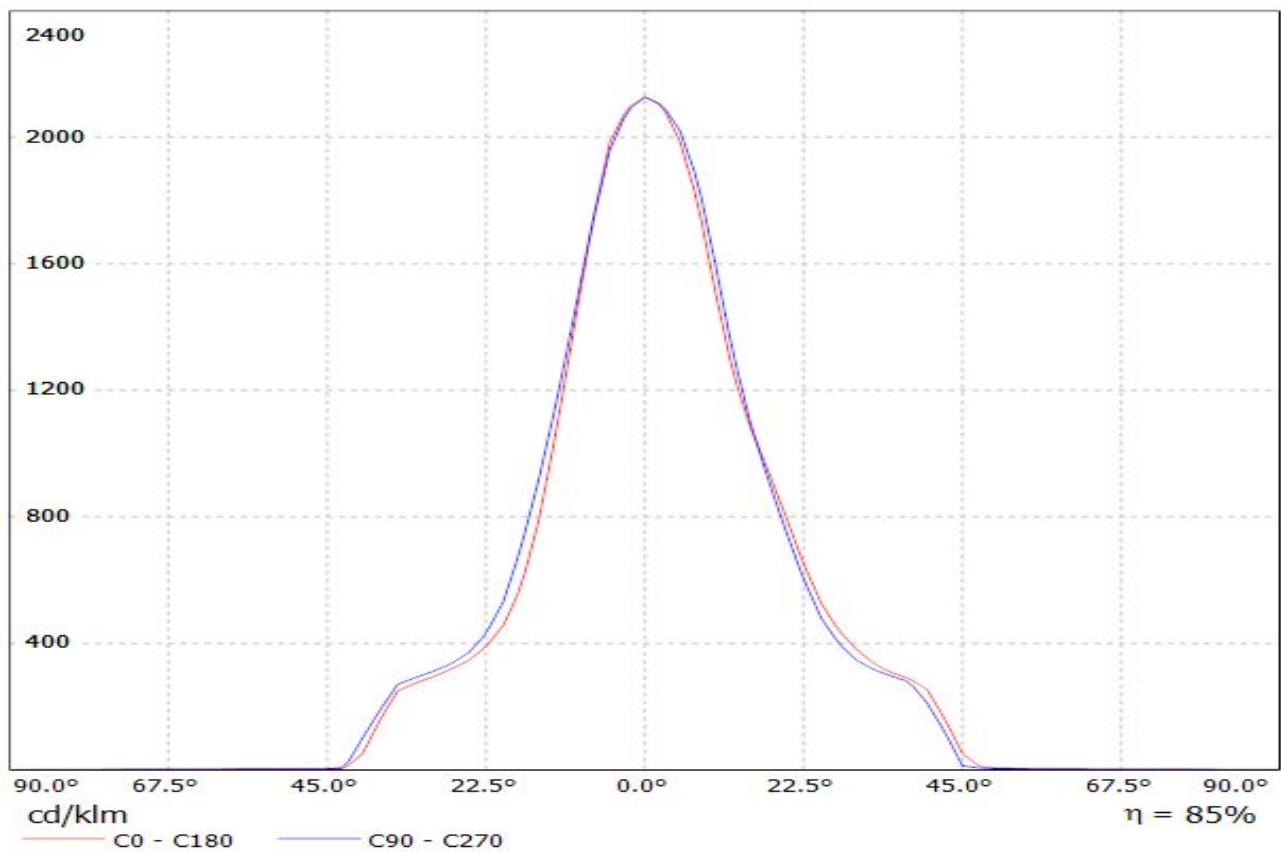


Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(CLU700)

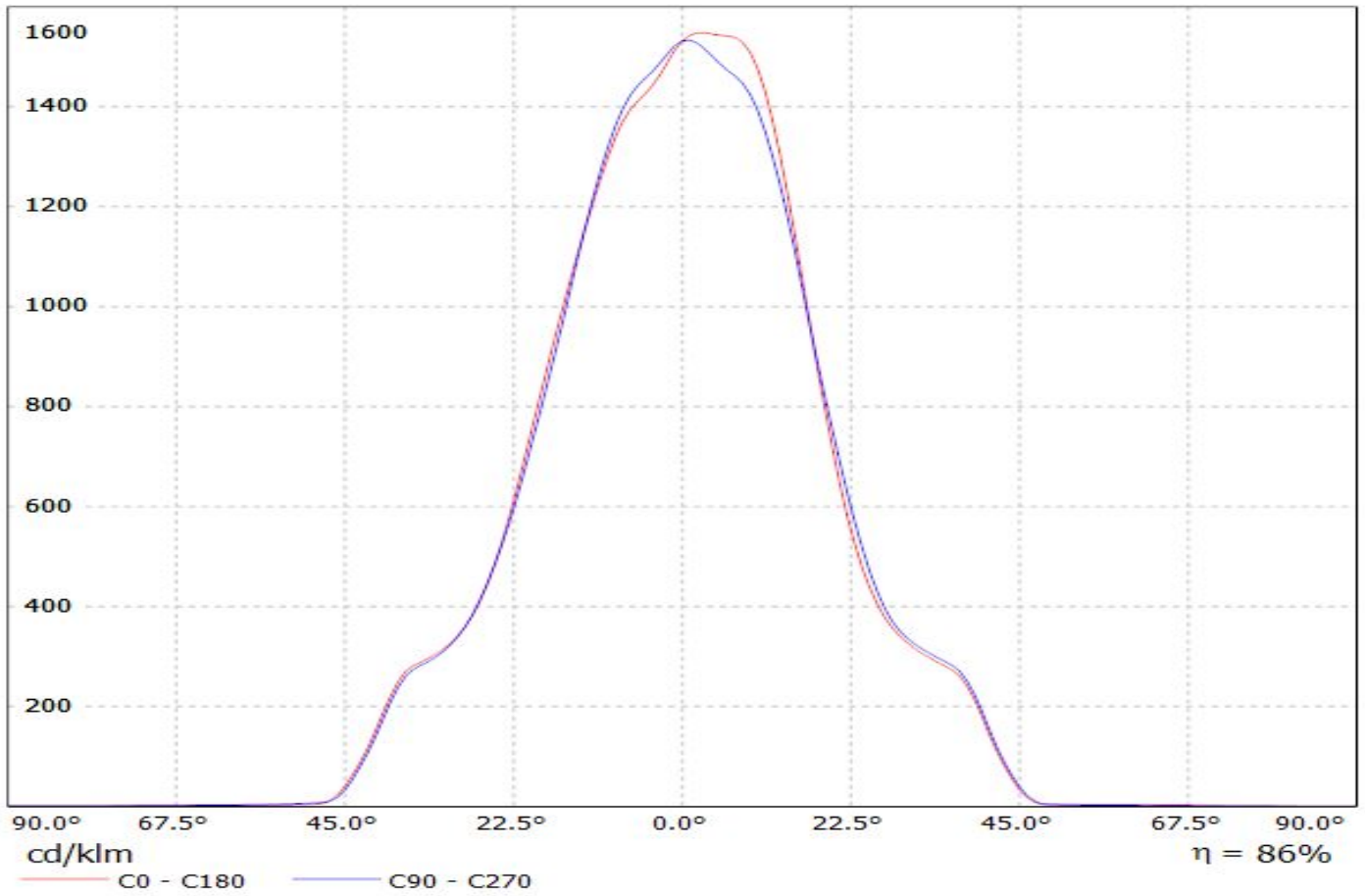
Lamps: 1 x Citizen\_CLU700\_C13083\_PF-SOCKET\_394.785lm@100mA\_P=2.92999W\_I=0.1044A



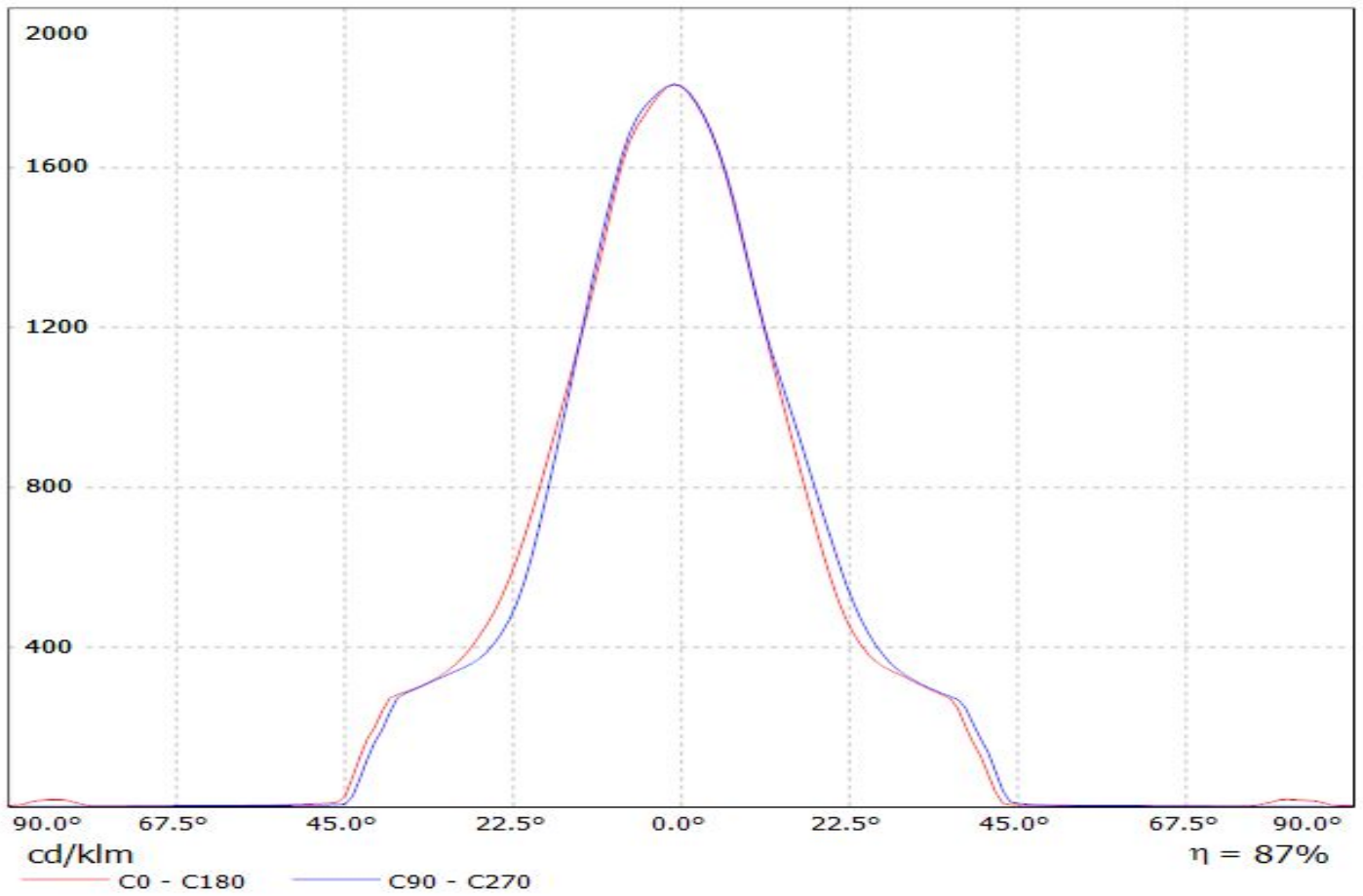
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(MK-R) Eff.85.3%  
Lamps: 1 x CREE\_MK-R\_358.348lm@250mA\_P=2.84311W\_I=249.9mA



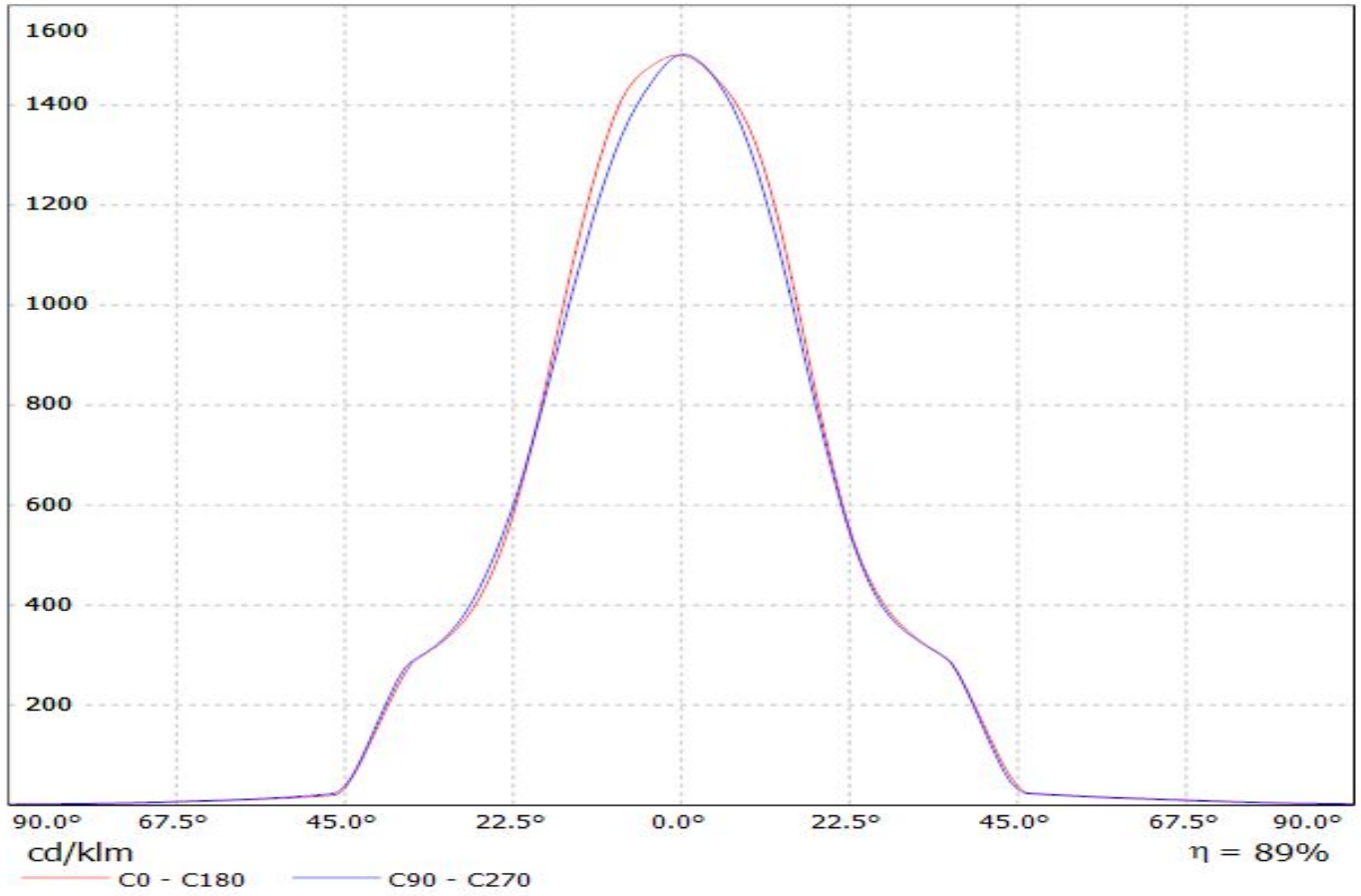
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A



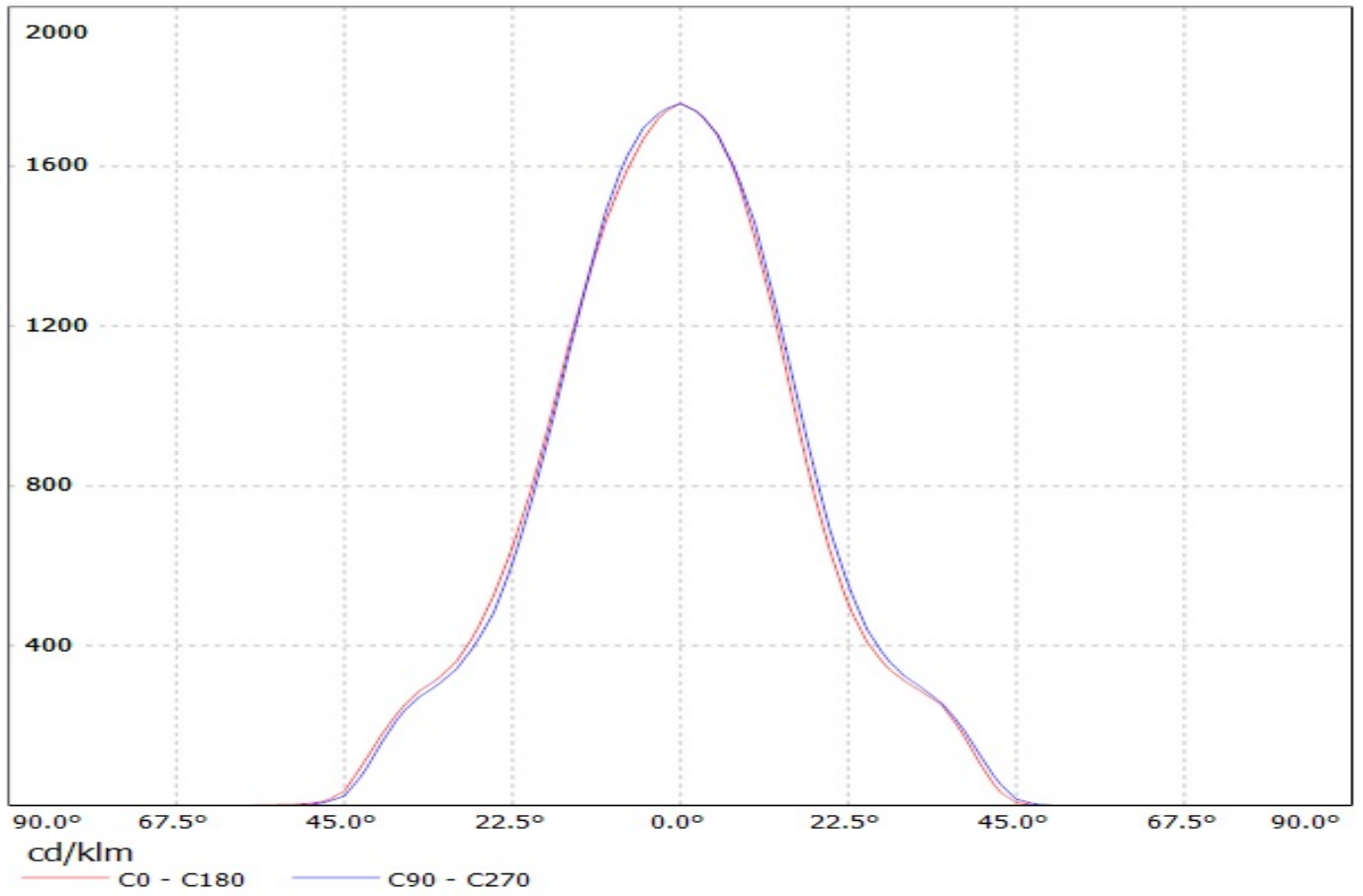
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(Cree\_XHP50\_WW)  
Lamps: 1 x Cree\_XHP50\_WW\_196.271lm@250mA\_P=1.39897W\_I=0.2499A



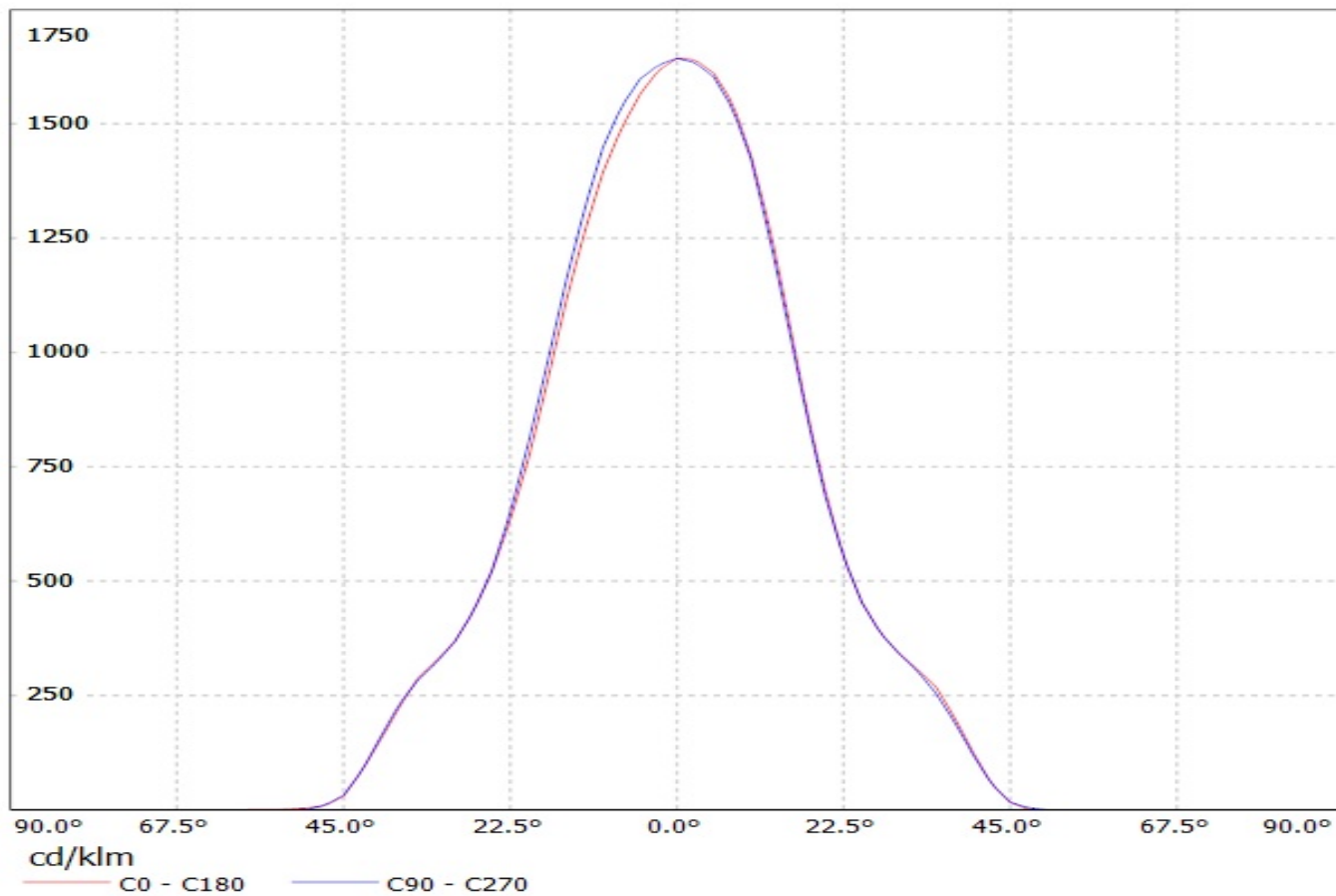
Luminaire: Ledil CN13129\_MIRELLA-50-W-PF\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(CXM-6) Efficiency=85%  
Lamps: 1 x Luminus XNOVA CXM-6 (437lm @ 120mA) CCT=3200K P=4.2W I=120mA

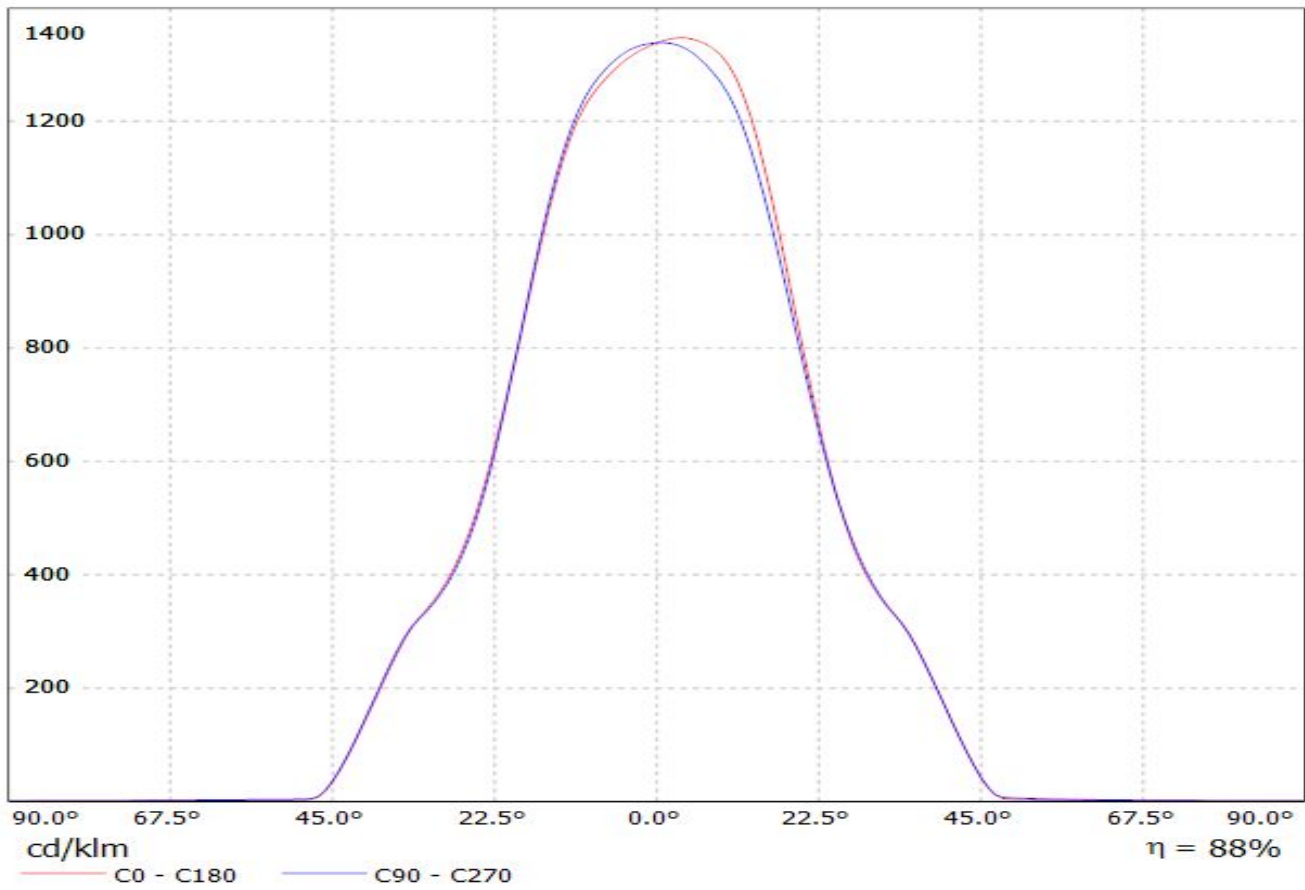


Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(CXM-7) Efficiency=86%  
Lamps: 1 x Luminus XNOVA CXM-7 (522lm @ 160mA) CCT=2900K P=5.6W I=160mA



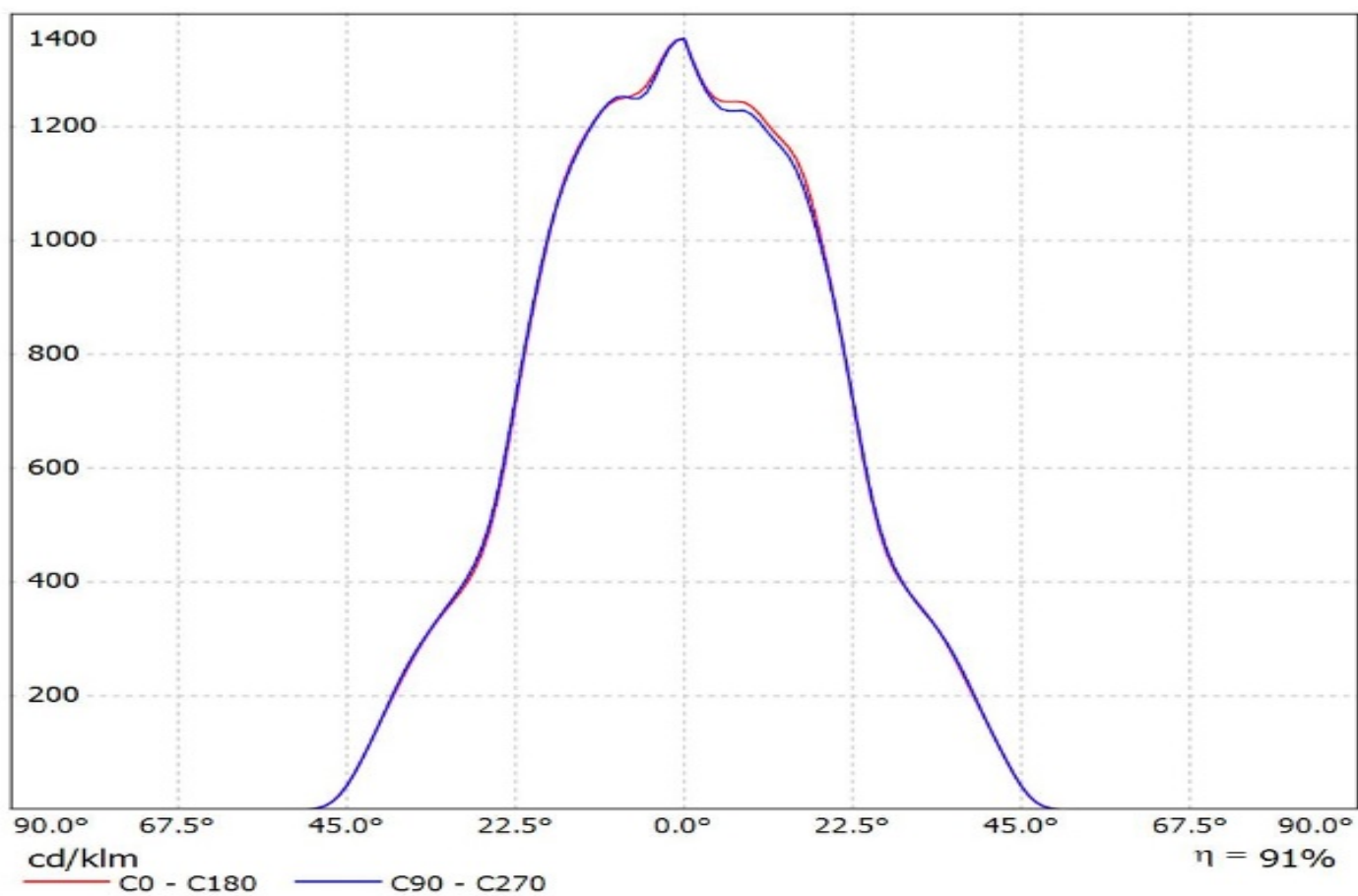
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(CXM-9)

Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_974.297lm@240mA\_P=8.2836W\_I=240mA

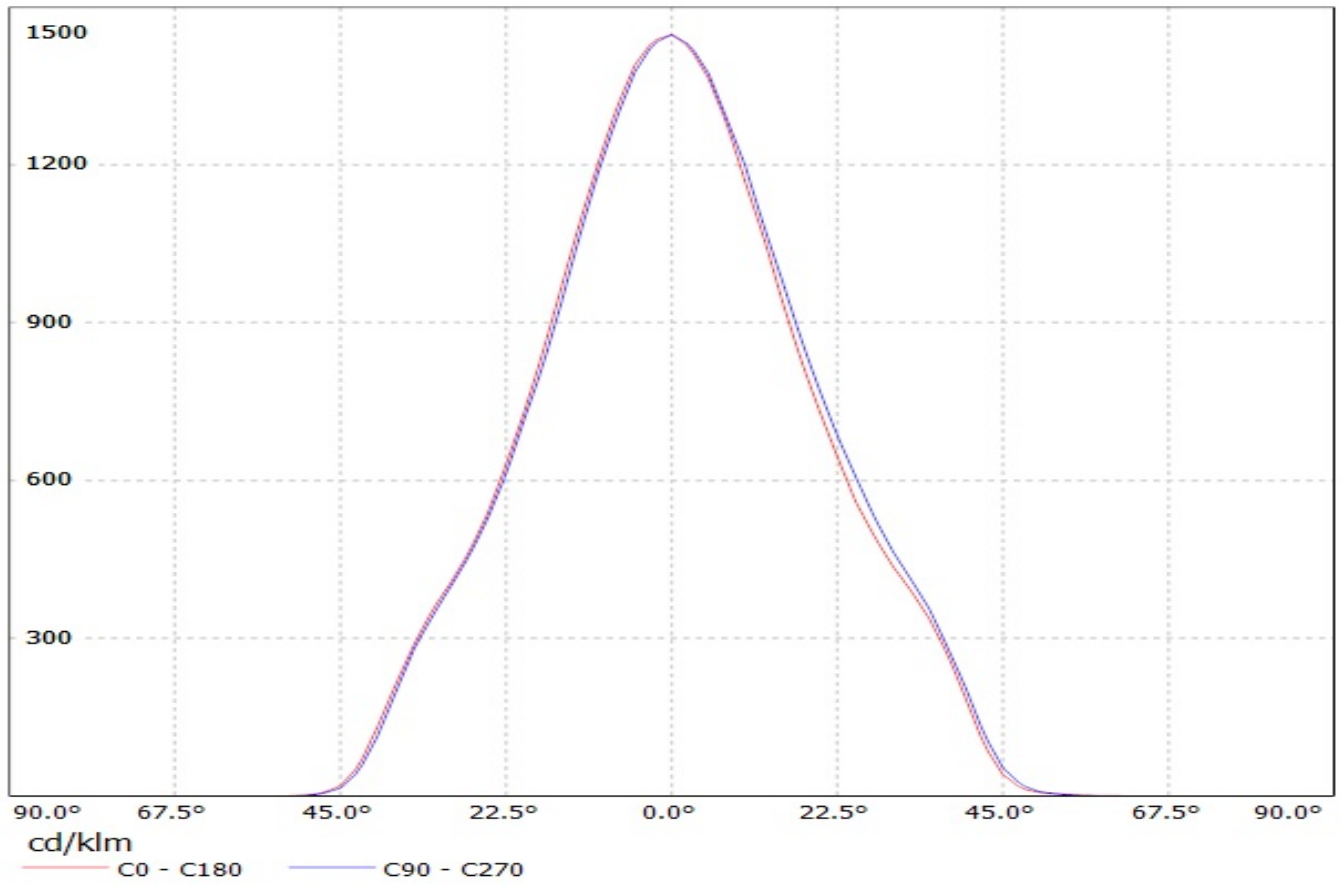




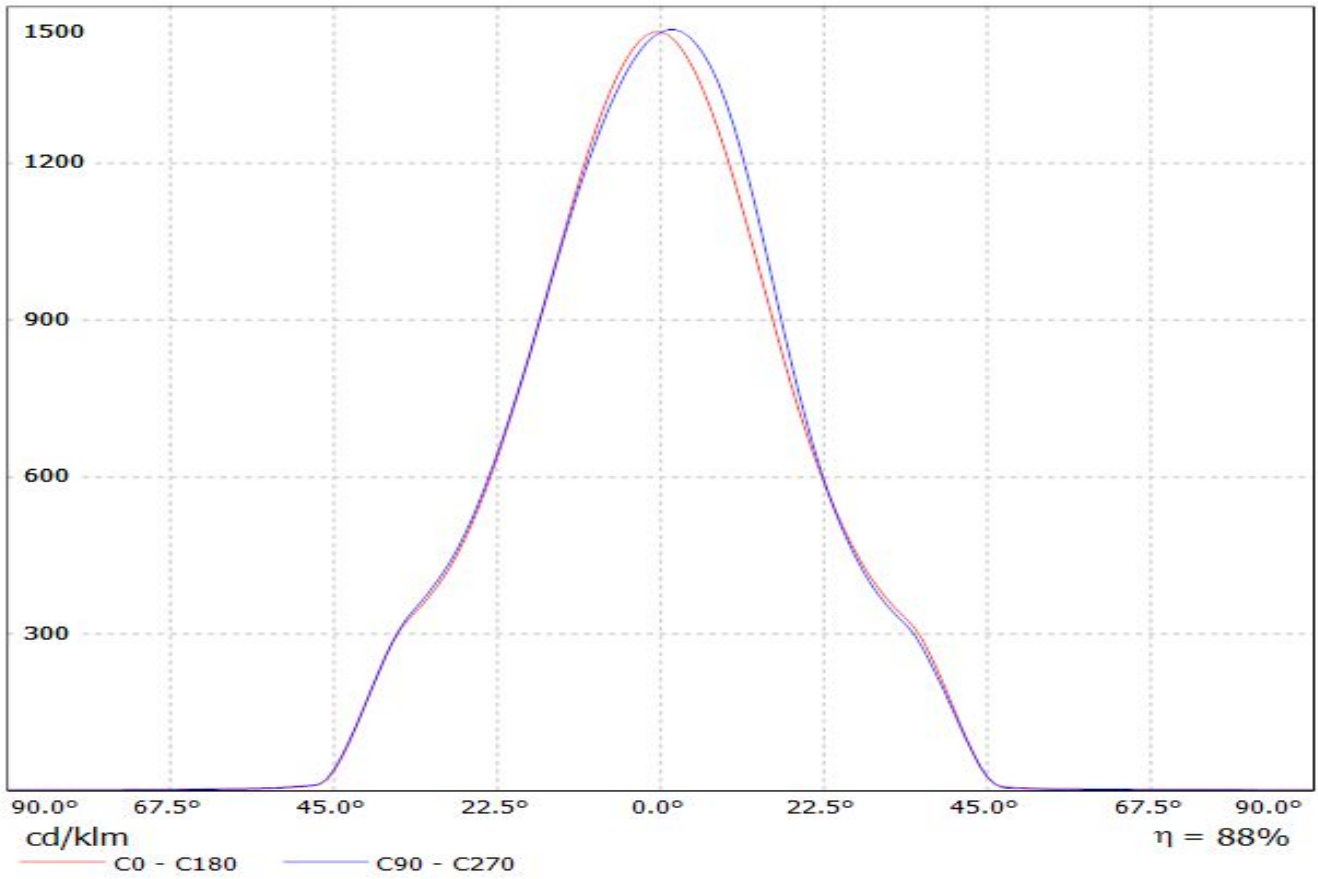
Luminaire: Ledil Oy CN13129\_MIRELLA-50-W-PF\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)



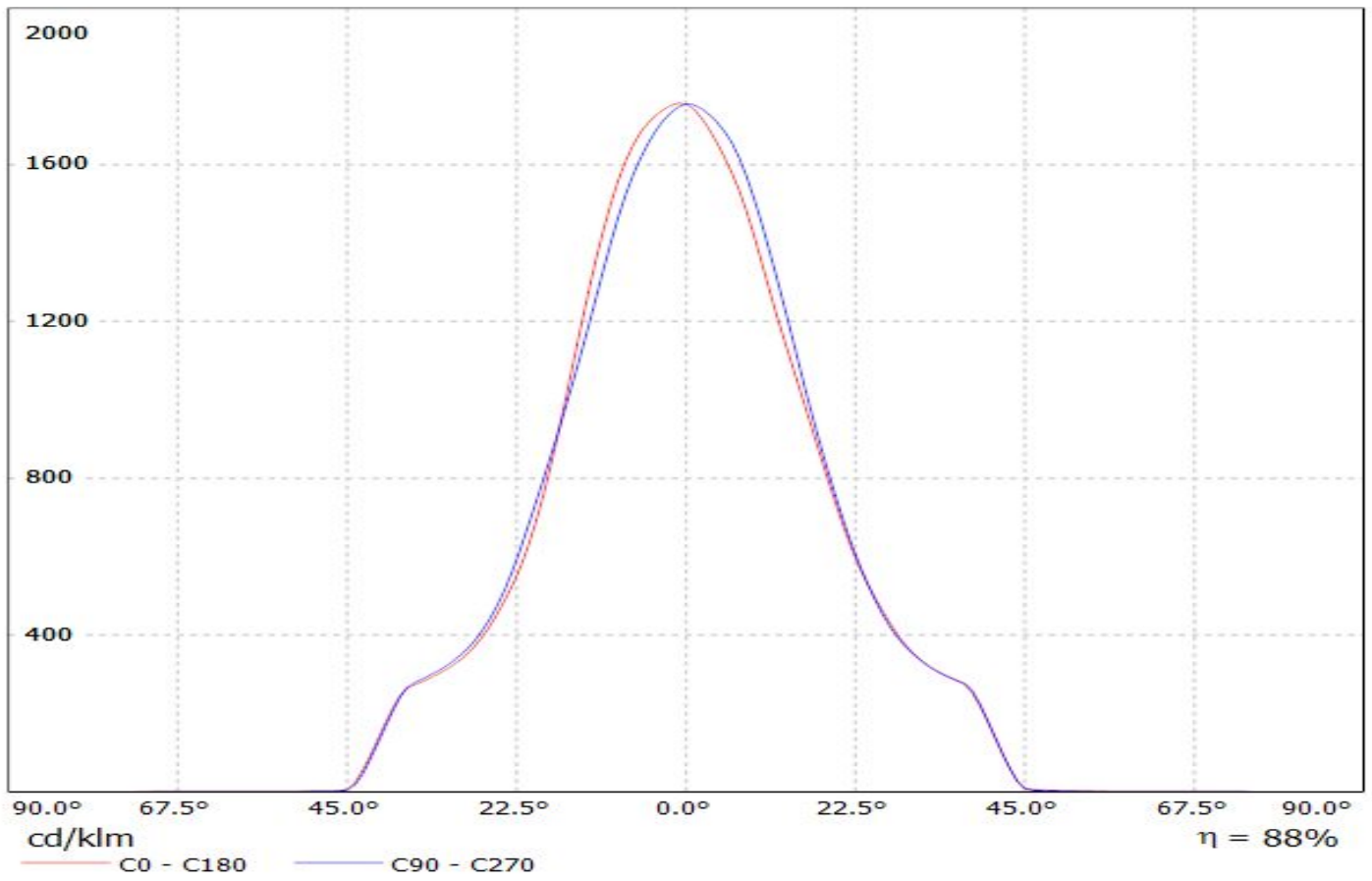
Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(ZC6) Efficiency=86%  
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



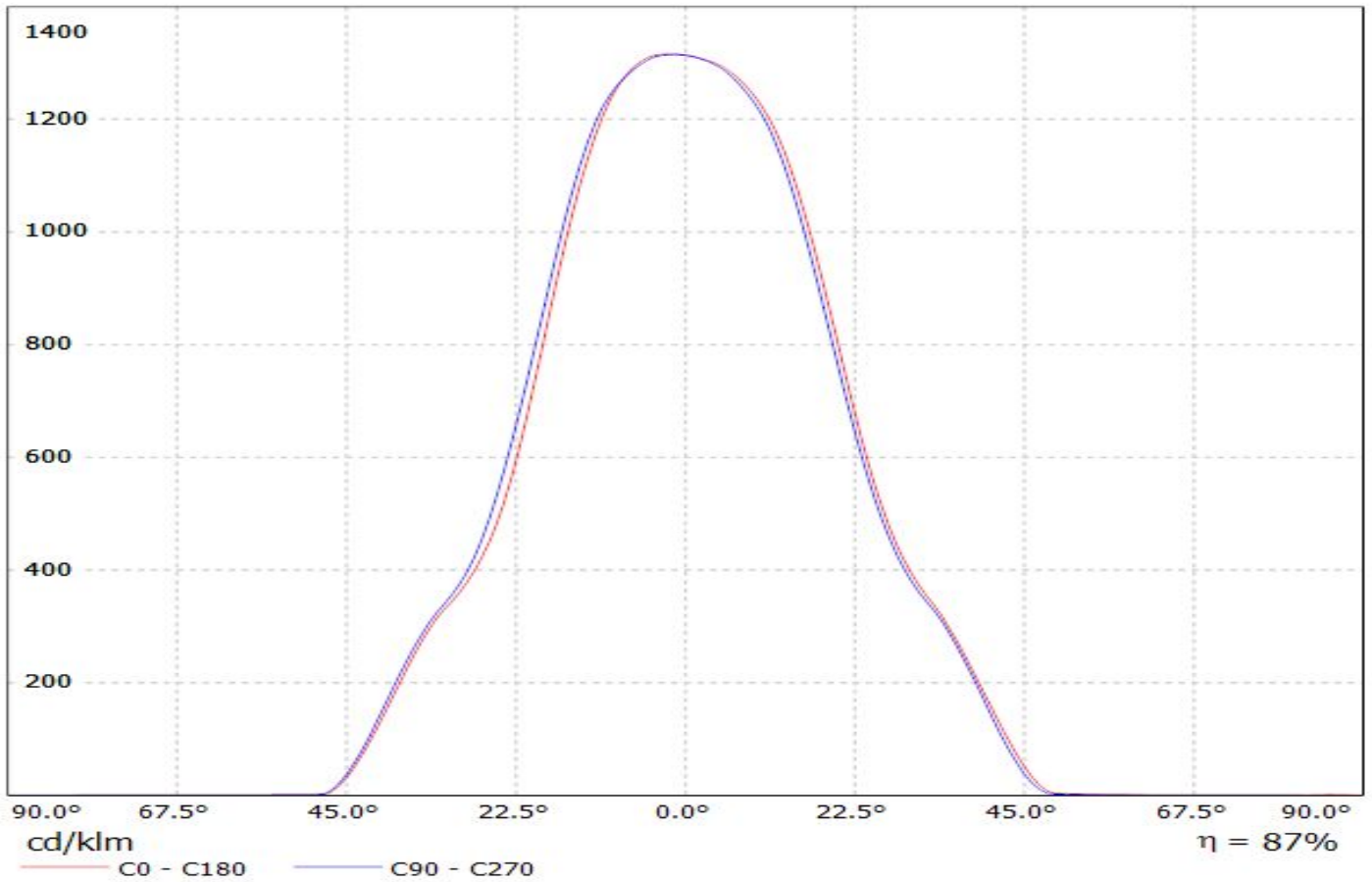
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(Mini\_Zenigata\_GW6BM) Eff.87.7%  
Lamps: 1 x Mini\_Zenigata\_GW6BM (803.772lm@250mA)



Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(SLE-G5\_LES-6)\_C13083\_PF-SOCKET  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A

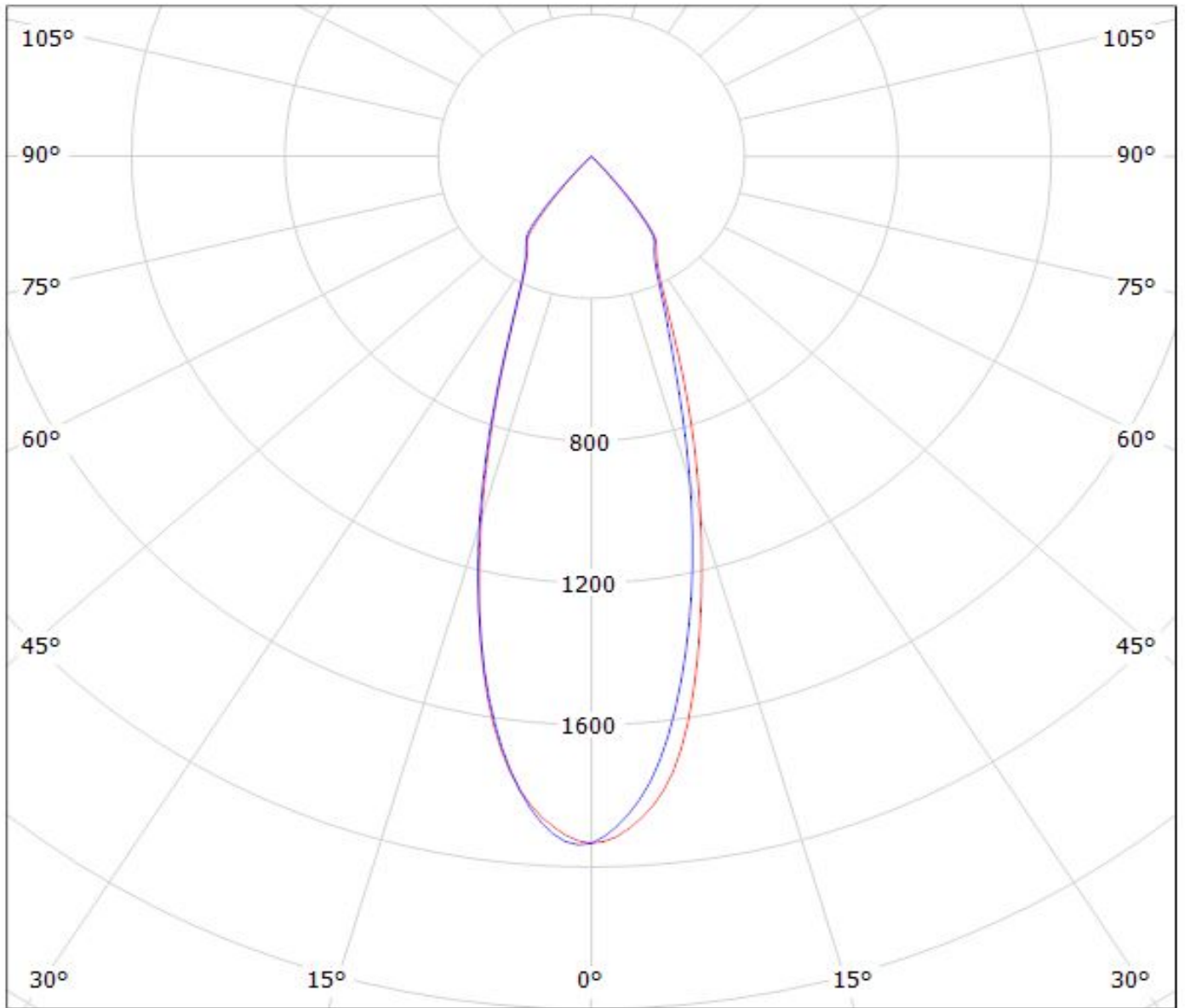


Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(SLE-G5\_LES-11)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1166.25lm@250mA\_P=8.3218W\_I=0.250A



Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_C13083\_PF-SOCKET\_394.785lm@100mA\_P=2.92999W\_I=0.1044A



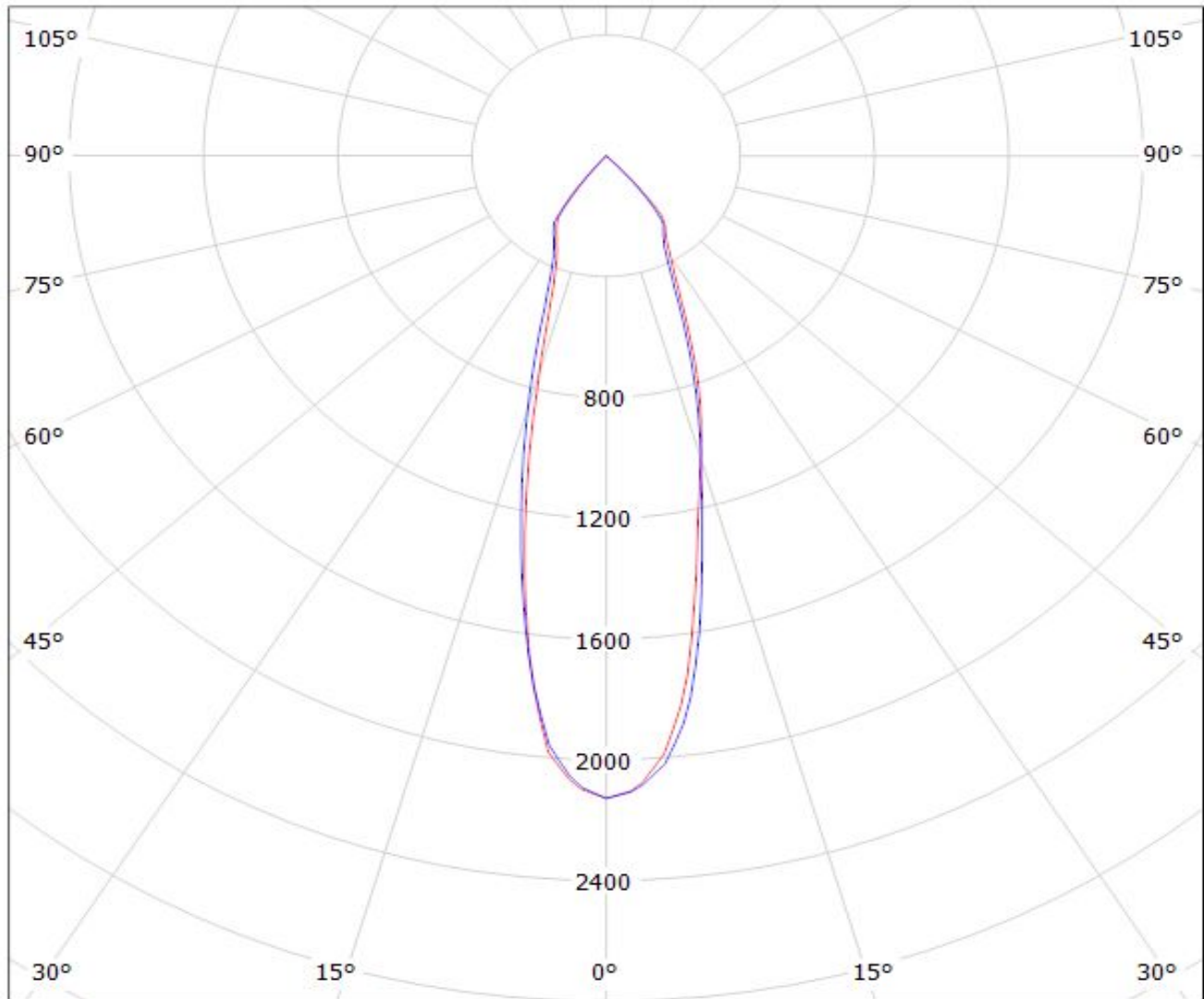
cd/klm

$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(MK-R) Eff.85.3%  
Lamps: 1 x CREE\_MK-R\_358.348lm@250mA\_P=2.84311W\_I=249.9mA



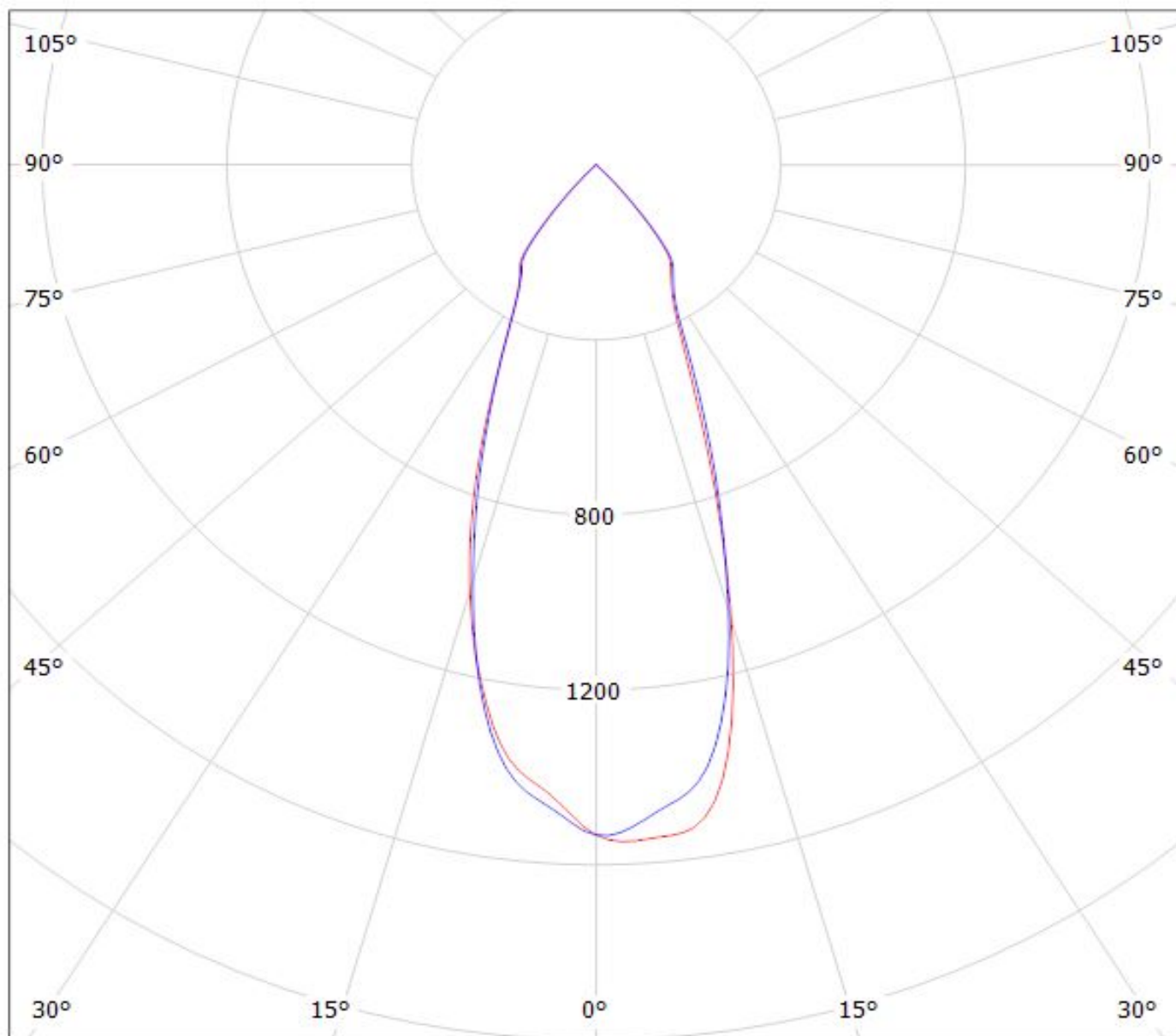
cd/klm

— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A



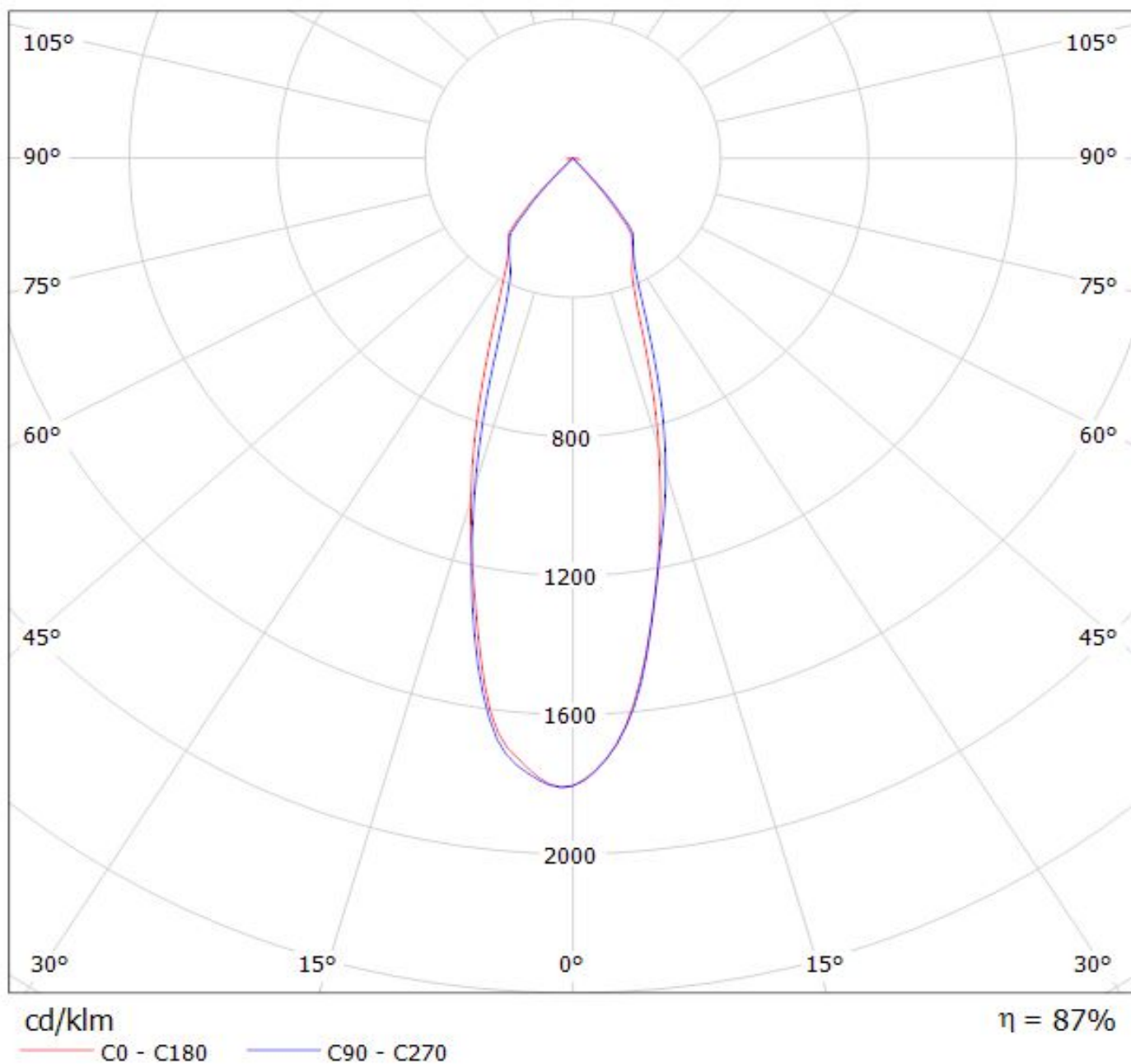
cd/klm

— C0 - C180    — C90 - C270

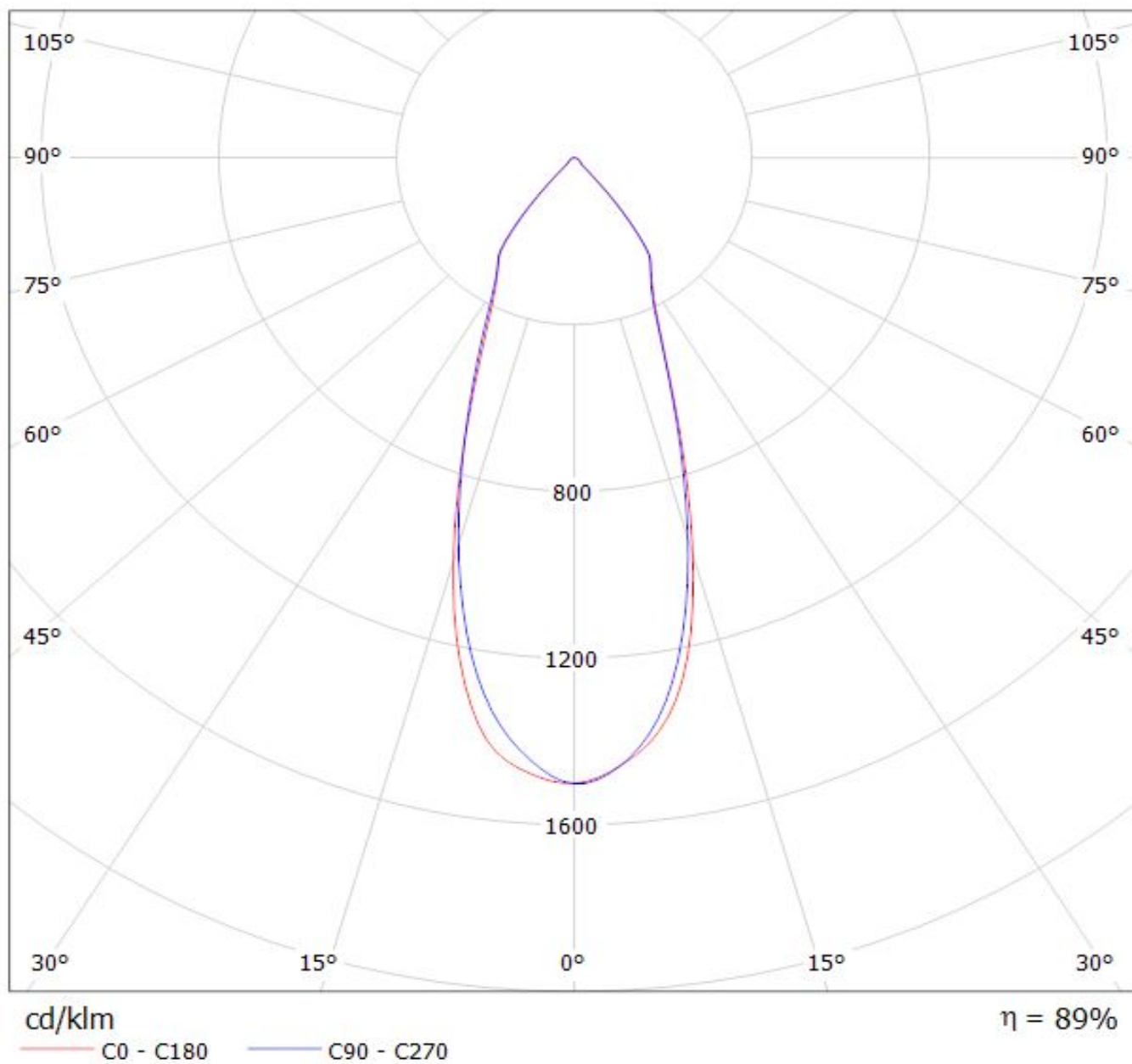
$\eta = 86\%$



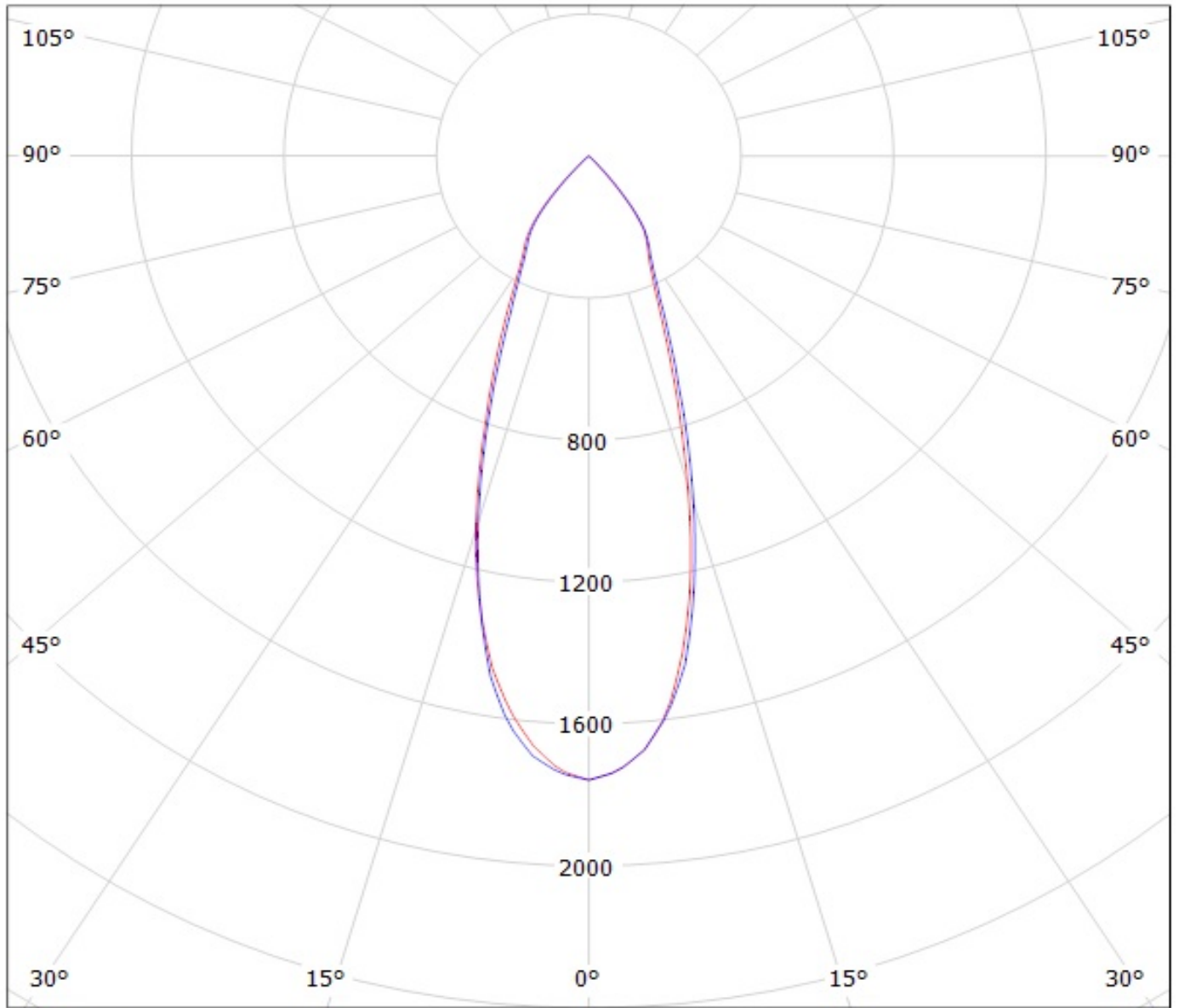
Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(Cree\_XHP50\_WW)  
Lamps: 1 x Cree\_XHP50\_WW\_196.271lm@250mA\_P=1.39897W\_l=0.2499A



Luminaire: Ledil CN13129\_MIRELLA-50-W-PF\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



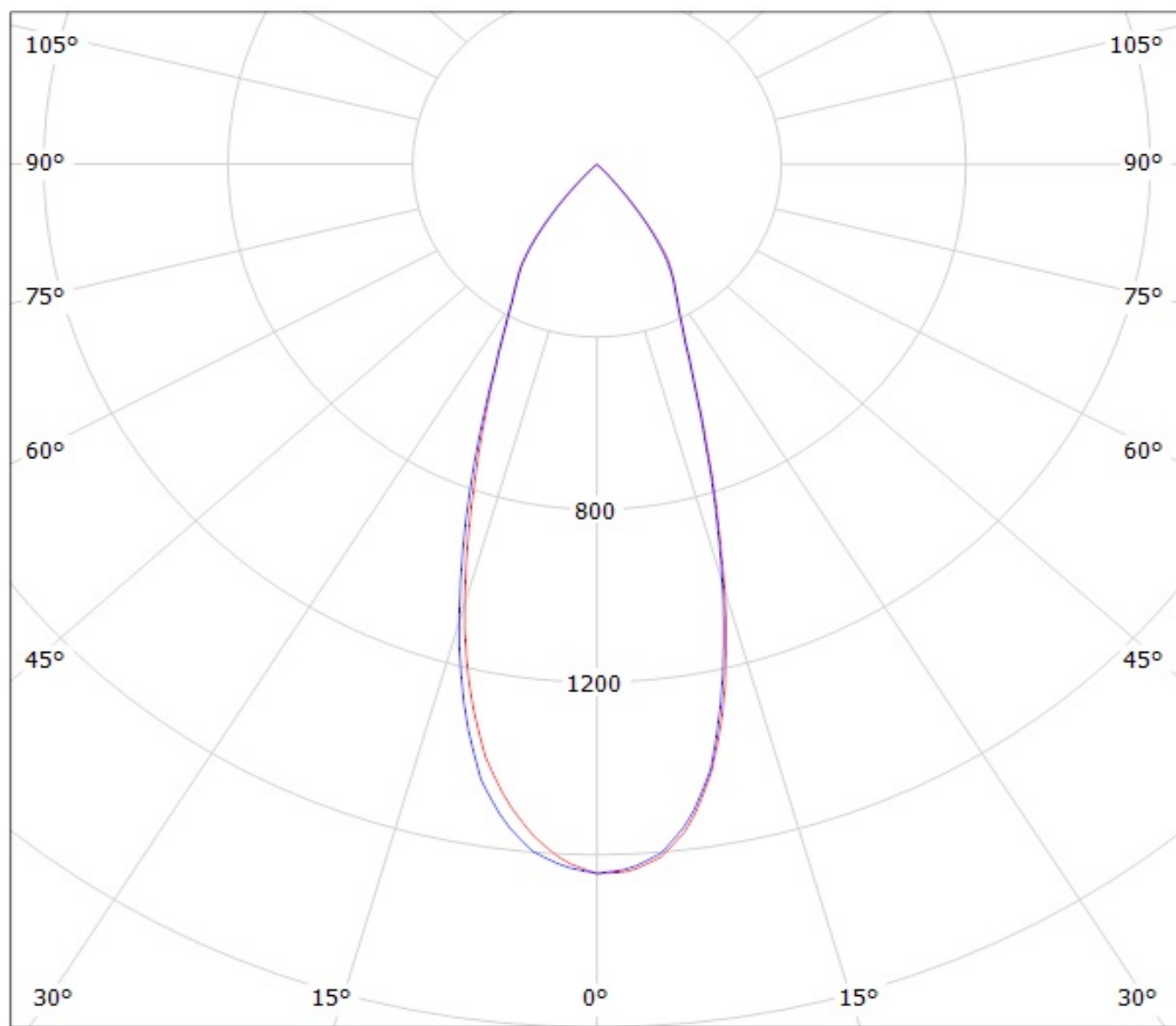
Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(CXM-6) Efficiency=85%  
Lamps: 1 x Luminus XNOVA CXM-6 (437lm @ 120mA) CCT=3200K P=4.2W I=120mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(CXM-7) Efficiency=86%  
Lamps: 1 x Luminus XNOVA CXM-7 (522lm @ 160mA) CCT=2900K P=5.6W I=160mA

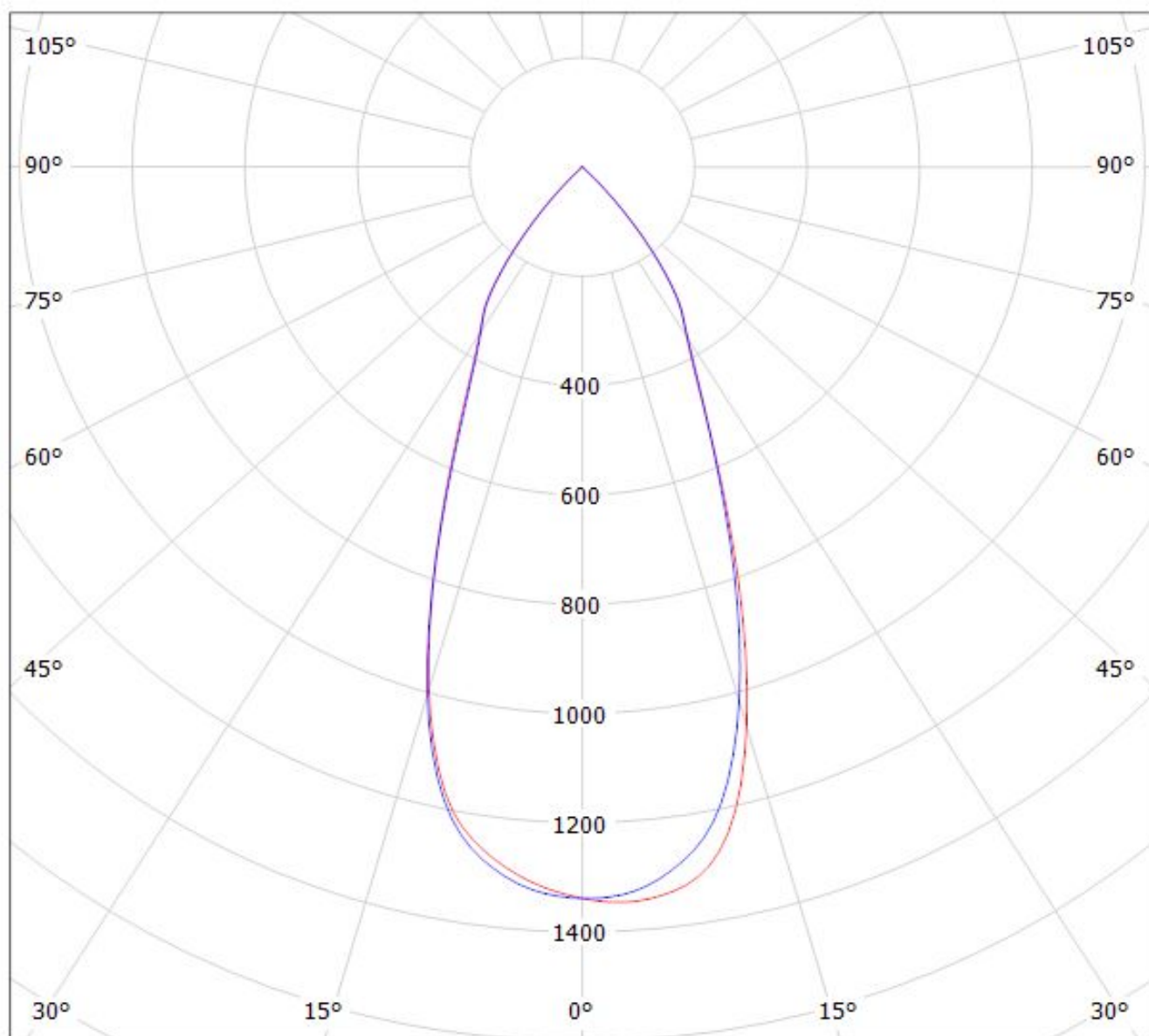


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(CXM-9)

Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_974.297lm@240mA\_P=8.2836W\_I=240mA



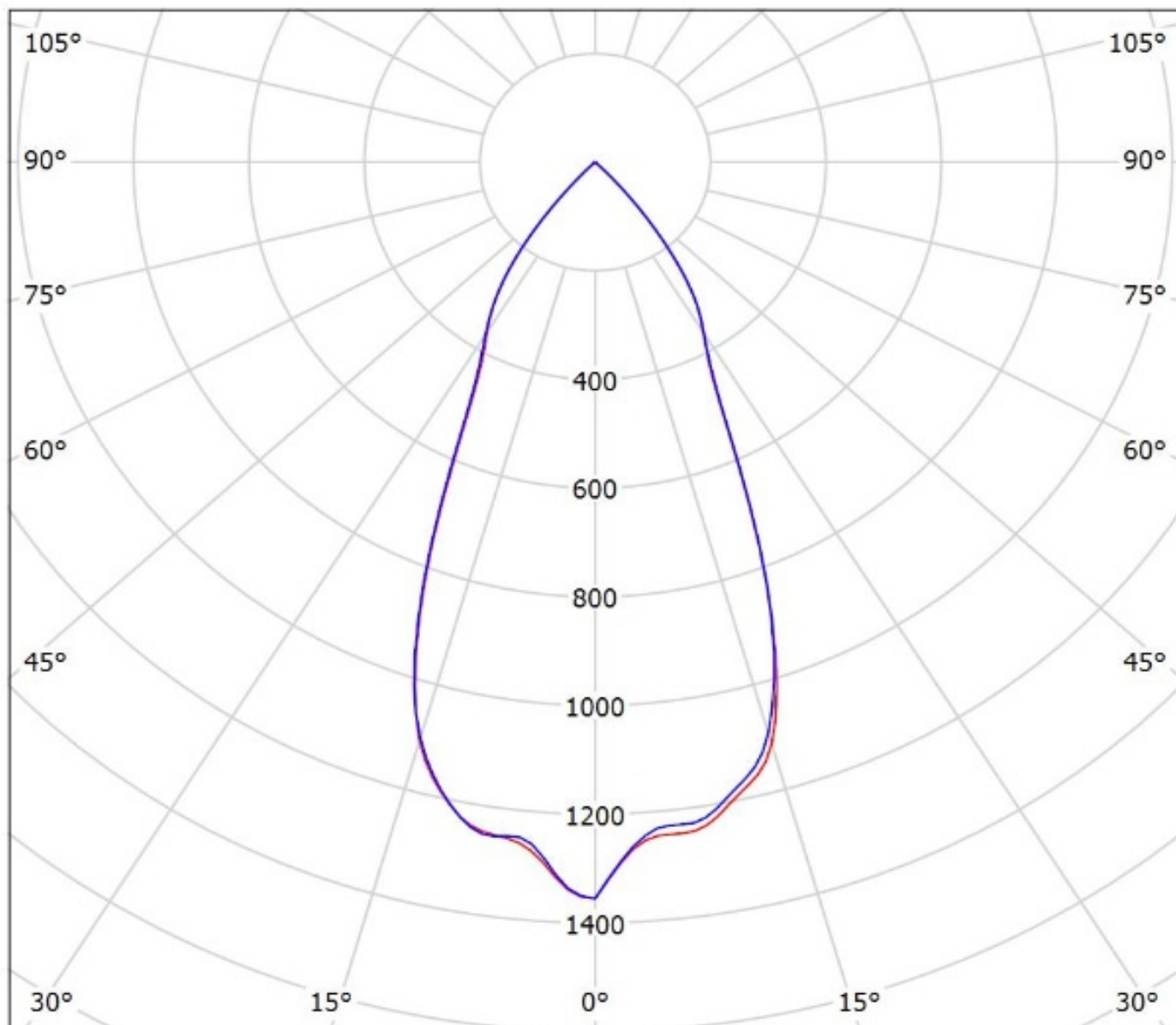
cd/klm

$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN13129\_MIRELLA-50-W-PF\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

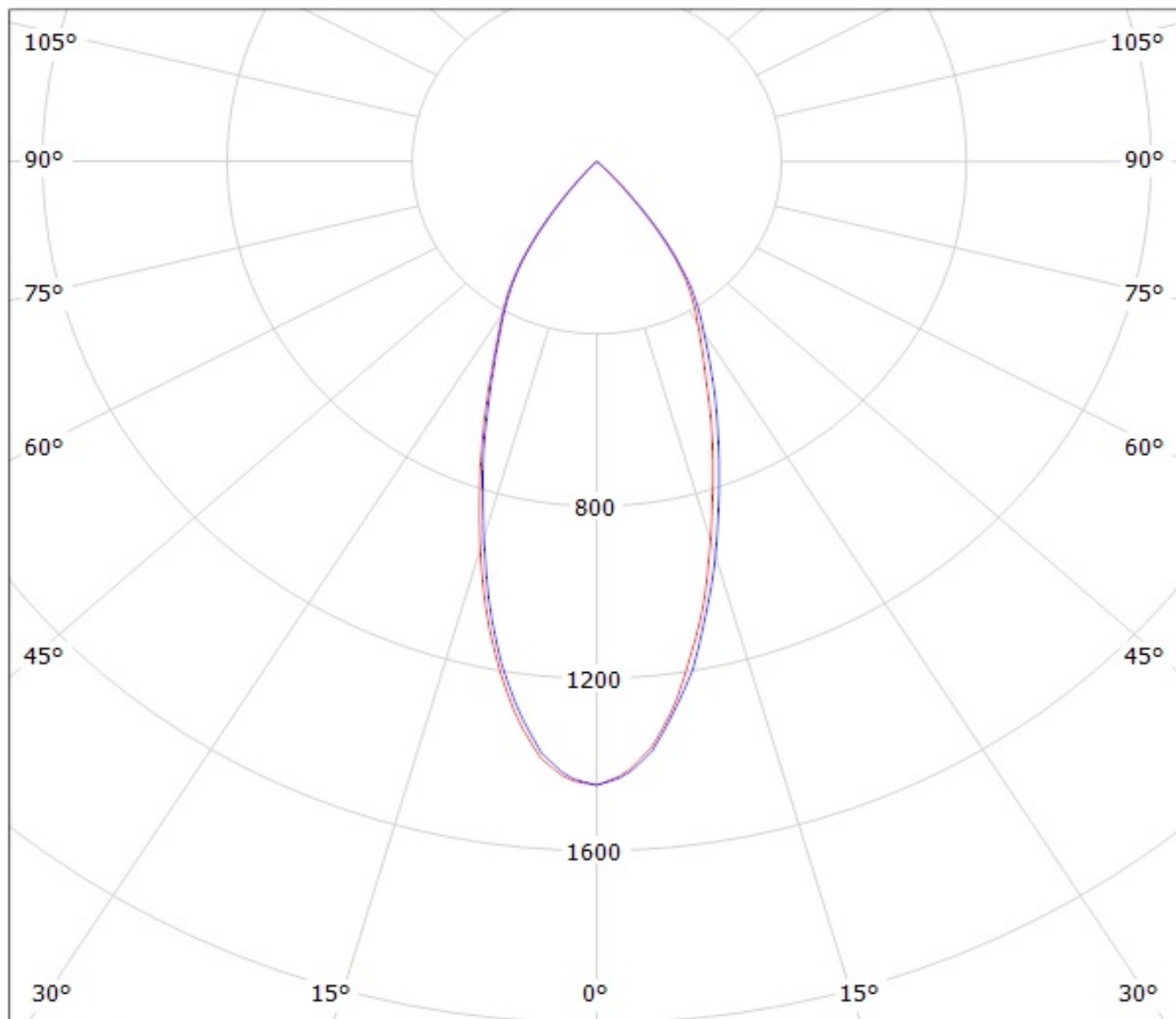


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

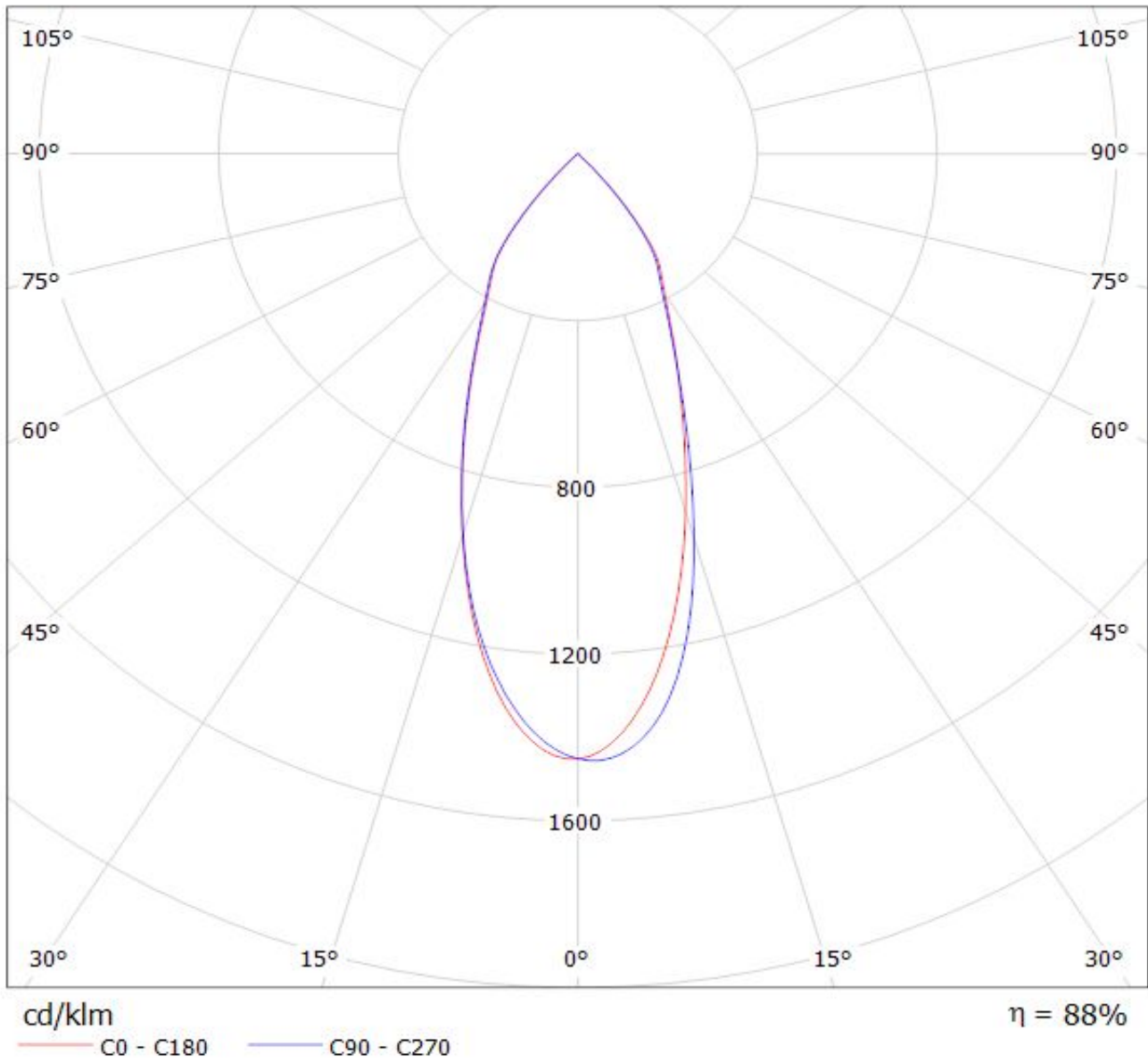
Luminaire: LEDil Oy CN13129\_MIRELLA-50-W-PF\_(ZC6) Efficiency=86%  
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA



cd/klm

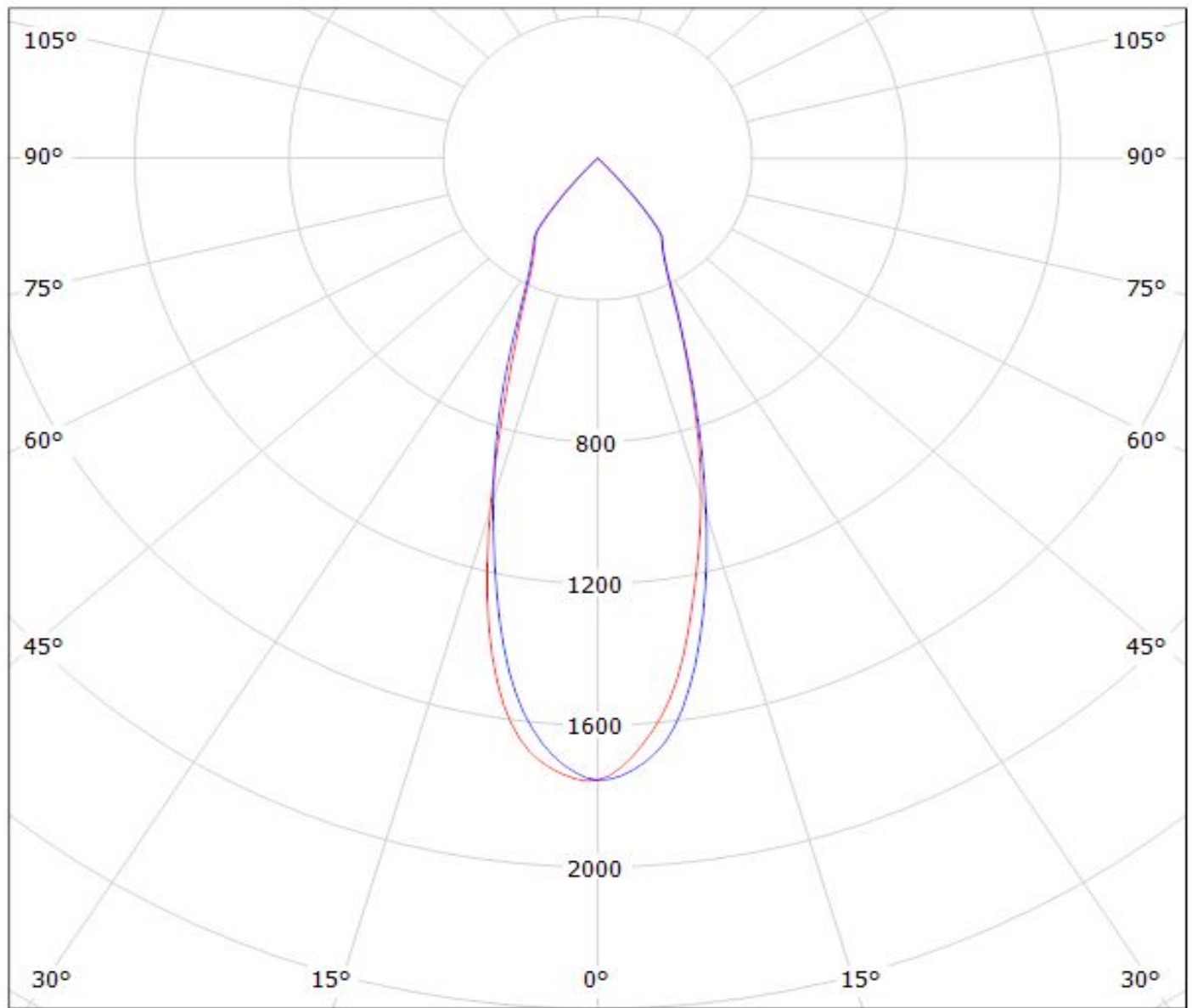
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF (Mini\_Zenigata\_GW6BM) Eff.87.7%  
Lamps: 1 x Mini\_Zenigata\_GW6BM (803.772lm@250mA)





Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(SLE-G5\_LES-6)\_ (C13083\_PF-SOCKET)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A



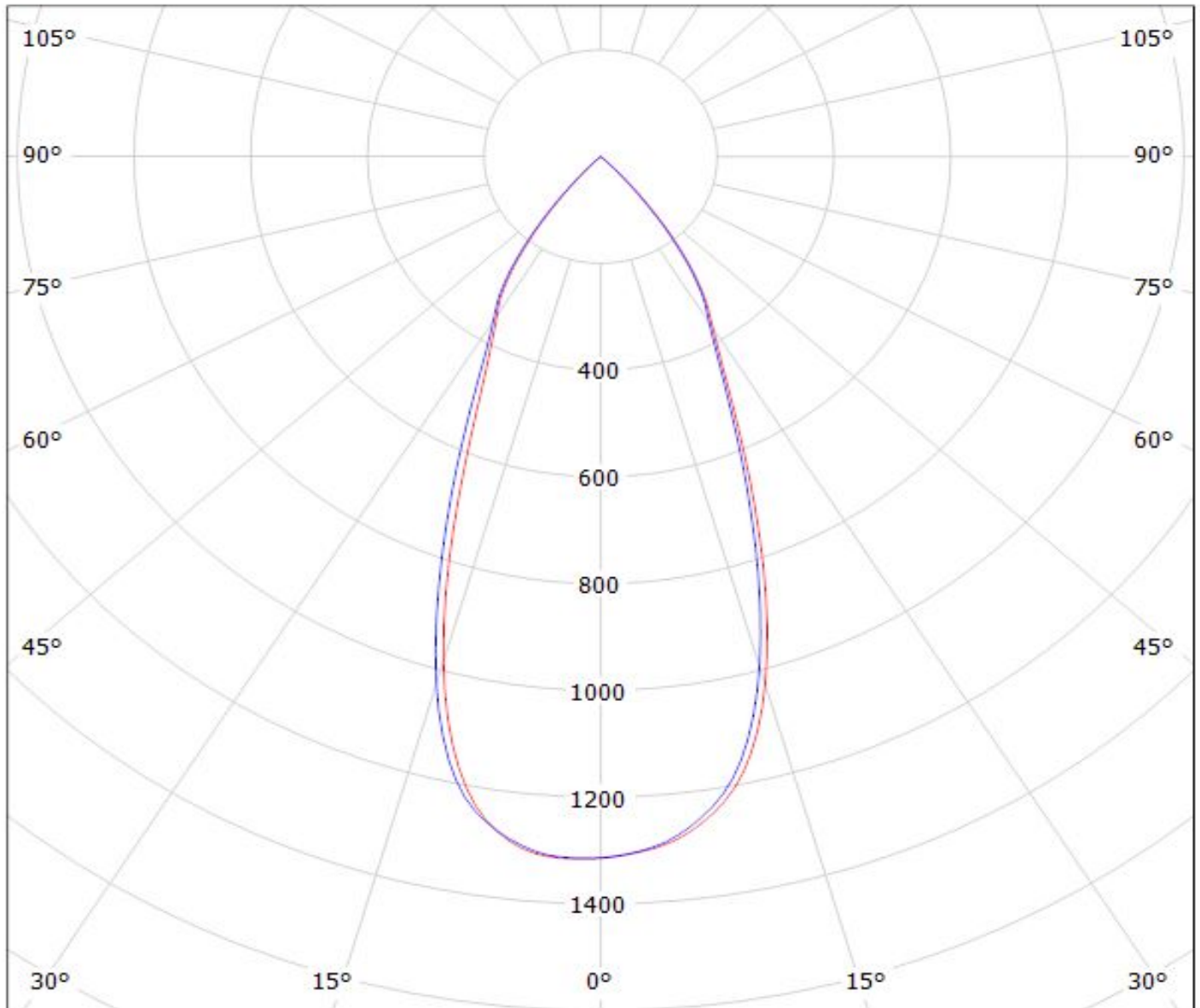
cd/klm

— C0 - C180    — C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN13129\_MIRELLA-50-W-PF\_(SLE-G5\_LES-11)

Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1166.25lm@250mA\_P=8.3218W\_I=0.250A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

**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.