

## DETAILS

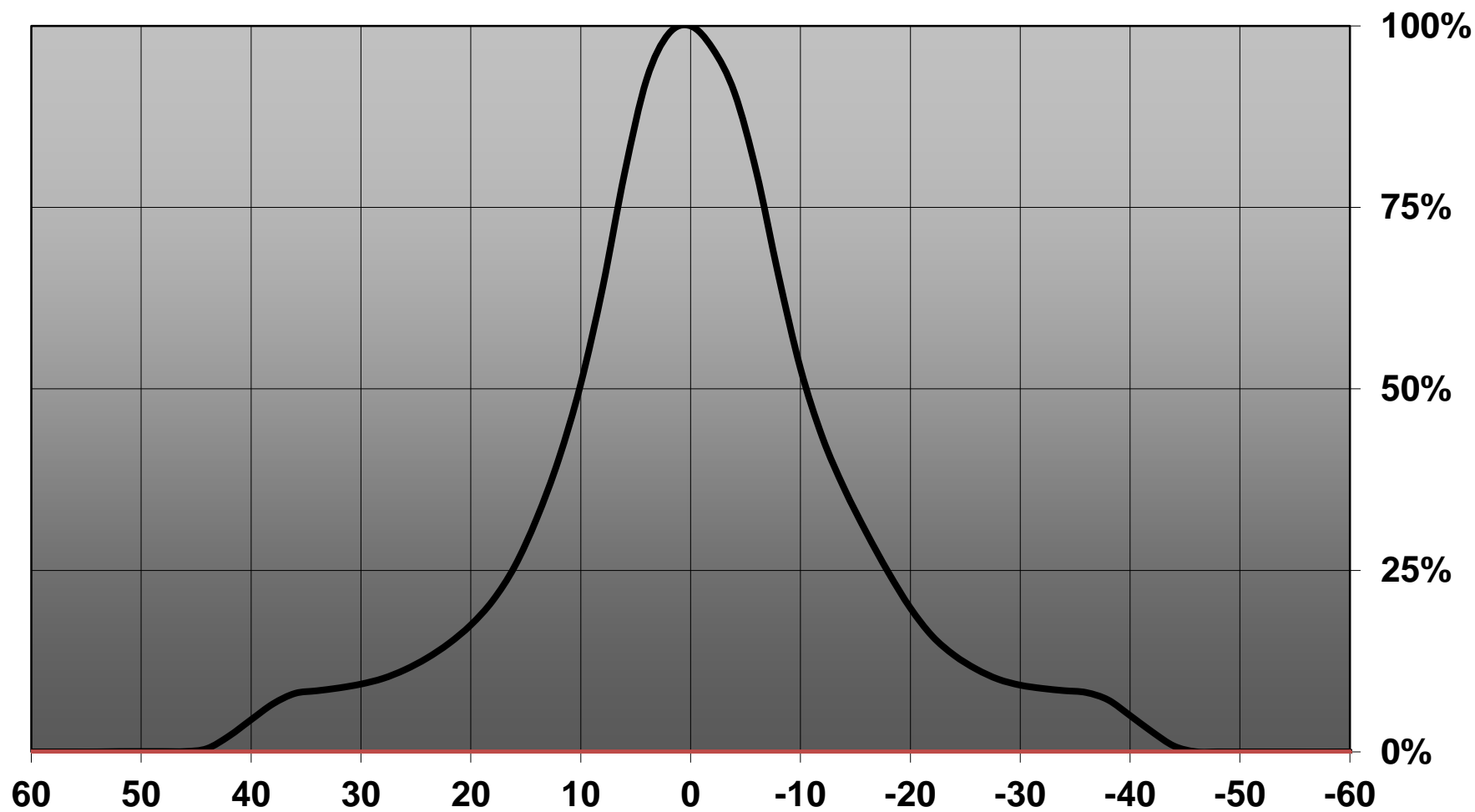
<b>Product Number</b>	CN13128_MIRELLA-50-M-PF
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	24,8 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	PC
<b>Fastening</b>	screw, glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/04/2016



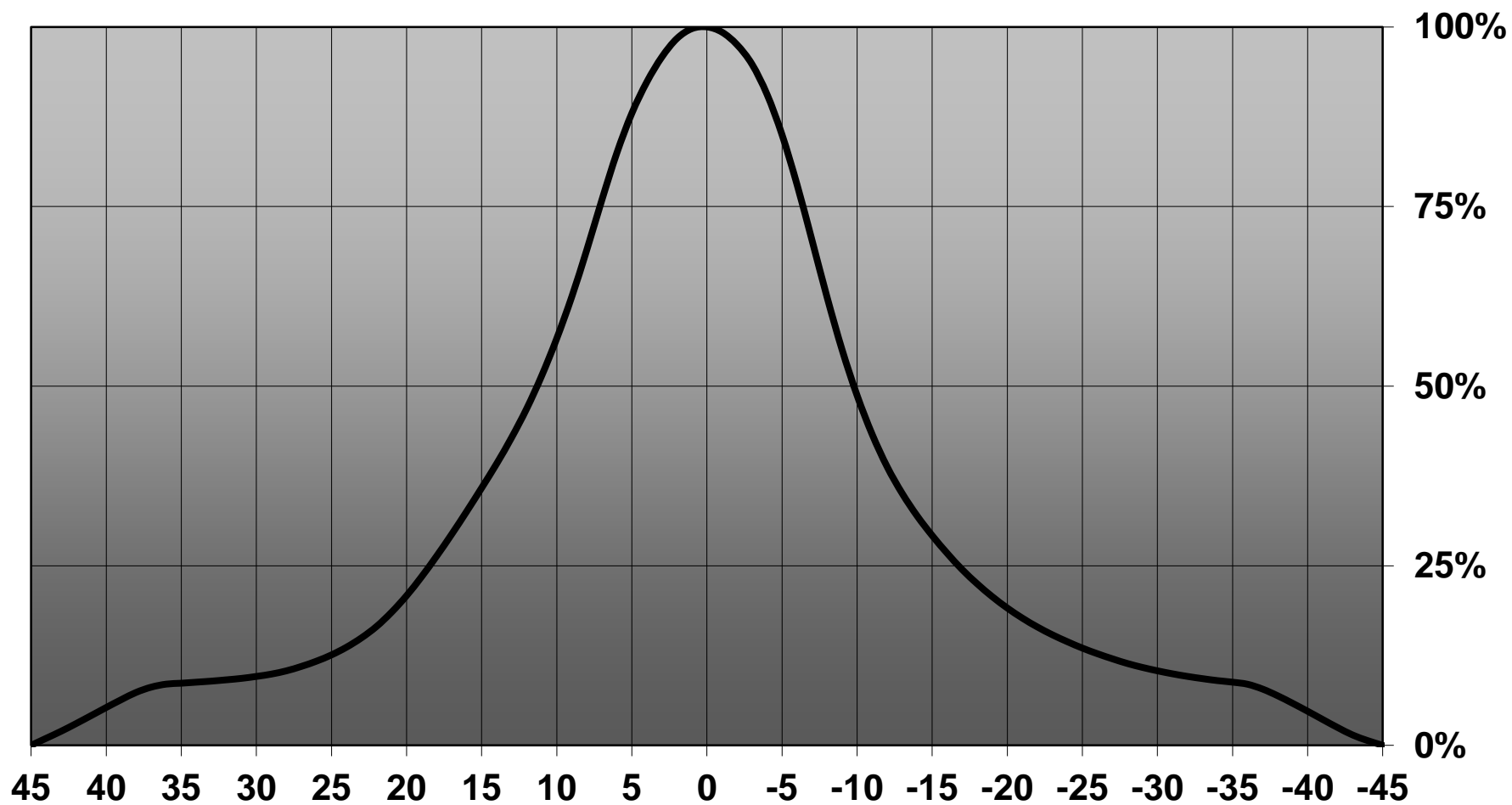
## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Soleriq S9	sim: 27	Medium	sim: 91 %	sim: 2.700	LEDiL: LEDiL
XHP50	18 deg	Medium	88 %	3.600	-
CLU700	19 deg	Medium	87 %	3.900	-
CLL01x	20 deg	Medium	90 %	3.100	-
SLE G5 LES6	20 deg	Medium	89 %	3.520	LEDiL: LEDiL
Duris S10	21 deg	Medium	87 %	3.400	LEDiL: LEDiL
COB 4W	23 deg	Medium	90 %	3.600	-
CXM-6	23 deg	Medium	85 %	3.100	-
MHD-E/G	23 deg	Medium	91 %	2.800	-
XHP70	24 deg	Medium	87 %	2.800	-
Mini Zenigata (GW6BM)	25 deg	Medium	90 %	2.700	-
MT-G2	25 deg	Medium	90 %	2.600	-
CLL02x/CLU02x (LES10)	26 deg	Medium	91 %	3.000	-
ZC4/6	26 deg	Medium	87 %	2.800	-
CXM-7	26 deg	Medium	86 %	2.700	-
MT-G	28 deg	Medium	91 %	2.600	-
CXM-9	30 deg	Medium	89 %	2.200	-
SLE G5 LES11	31 deg	Medium	88 %	2.100	LEDiL: LEDiL

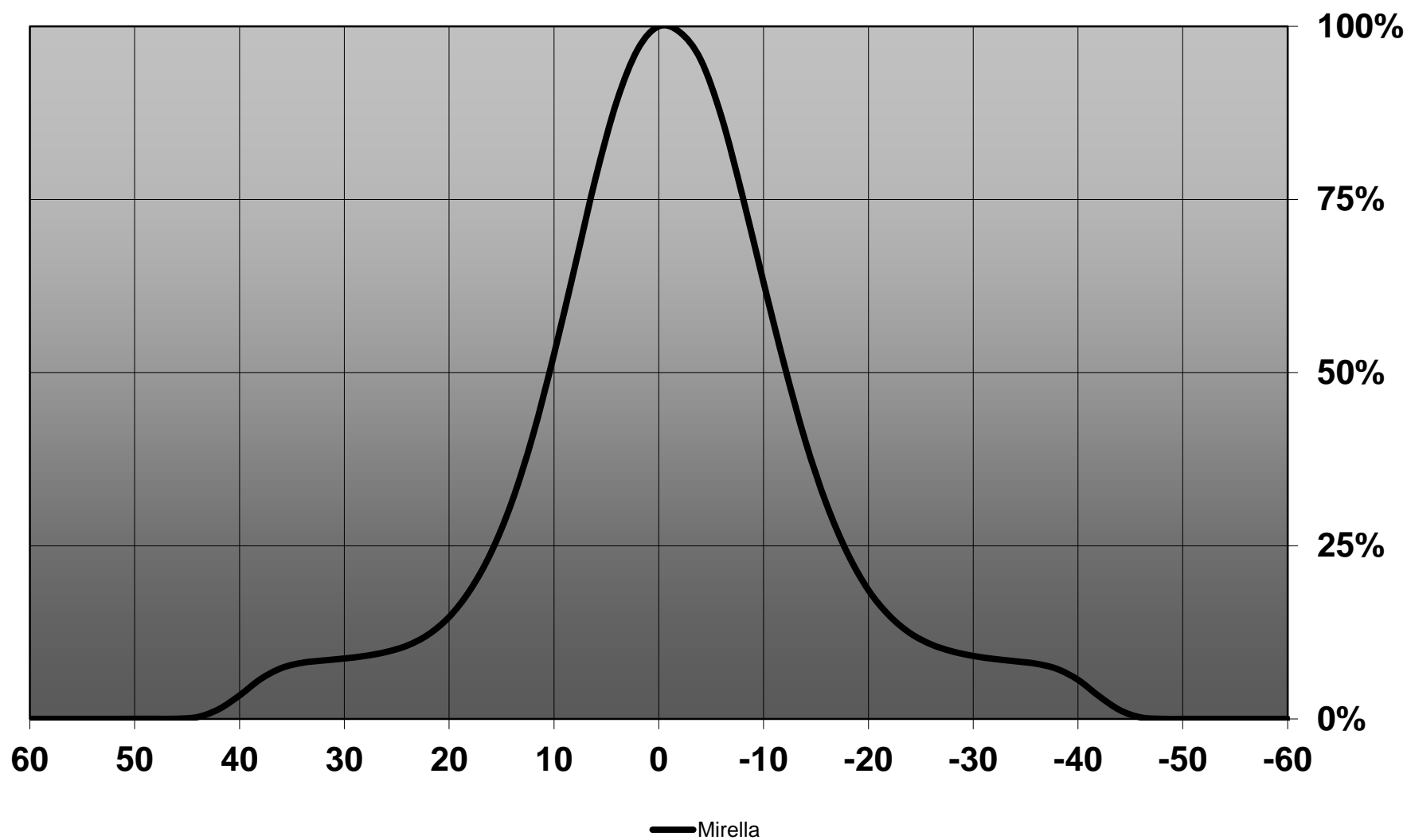
Relative intensity of CN13128\_MIRELLA-50-M-PF-(CLL010)



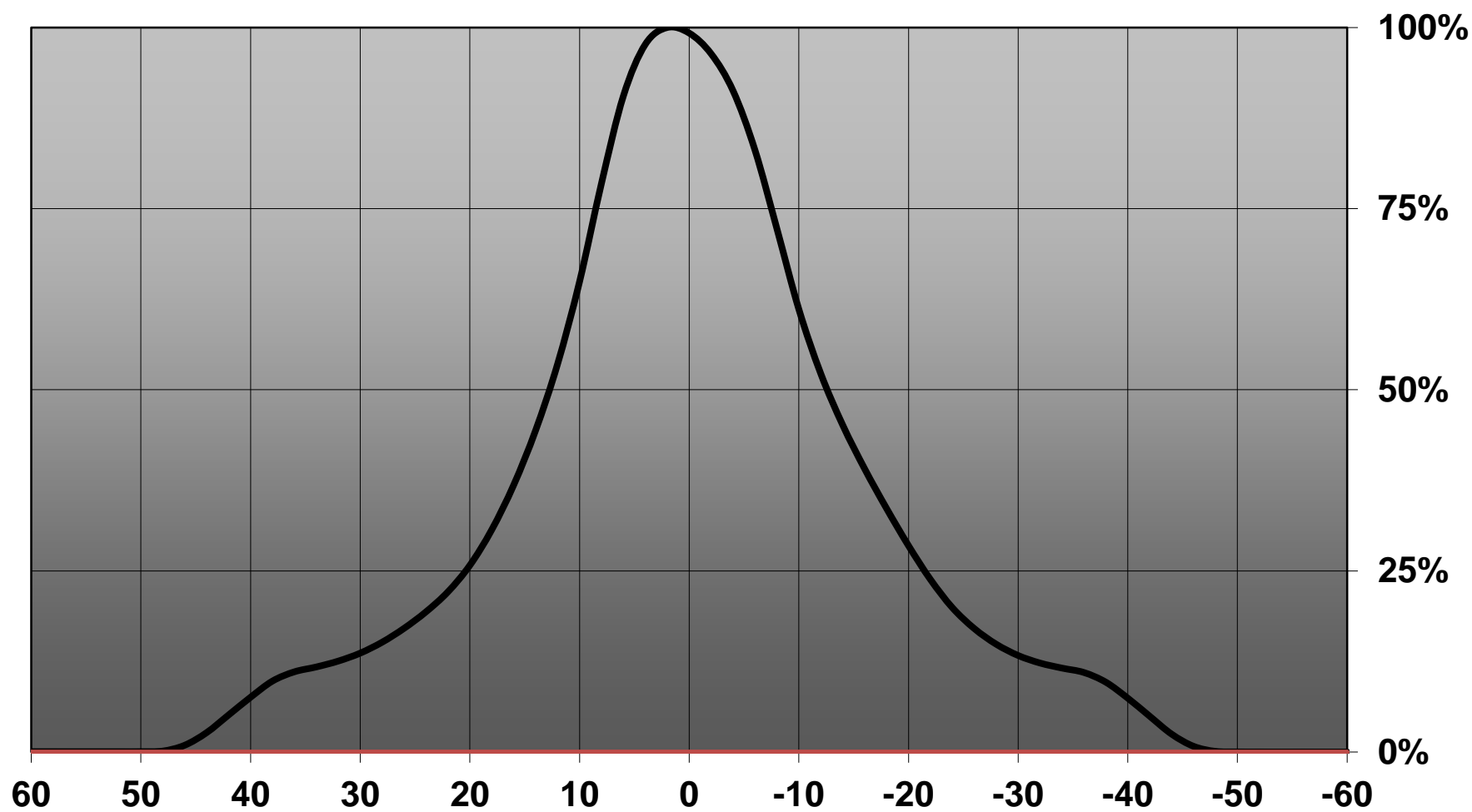
**Relative intensity of CN13128\_MIRELLA-50-M-PF\_(Duris\_S10)**



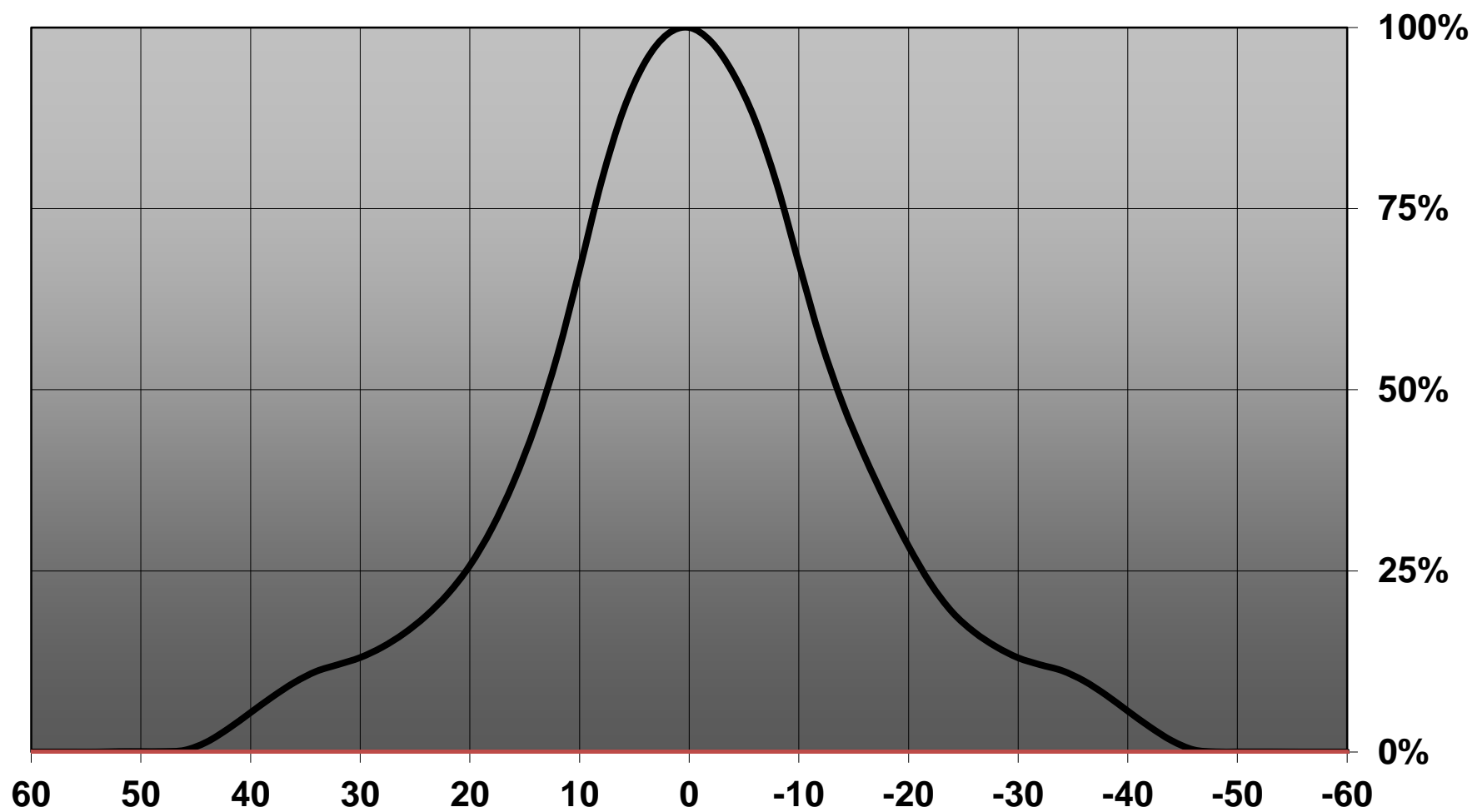
**Relative intensity of Mirella-M-4WLG**



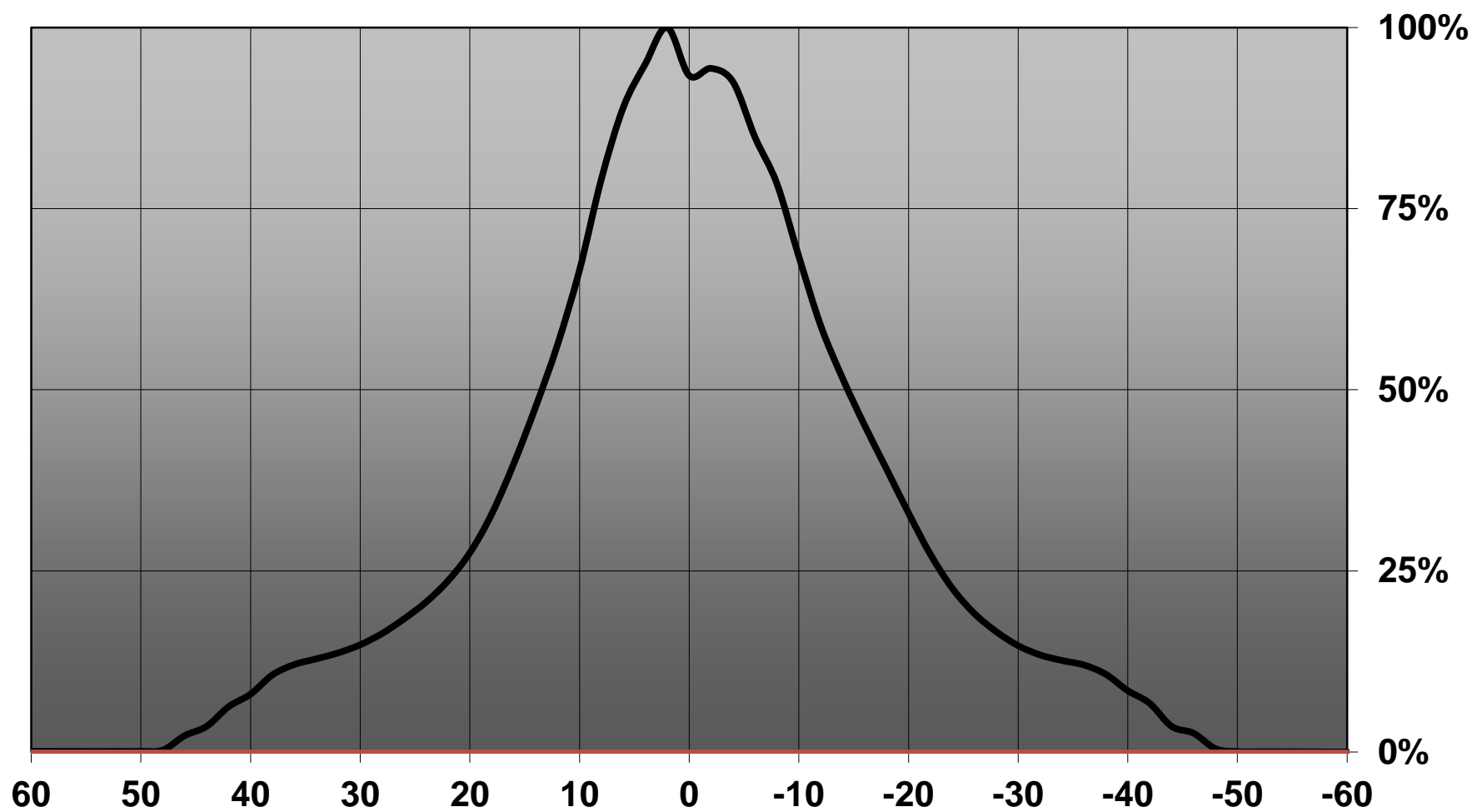
Relative intensity of CN13128\_MIRELLA-50-M-PF-(MTG2)



Relative intensity of CN13128\_MIRELLA-50-M-PF-(CLL020)



Relative intensity of CN13128\_MIRELLA-50-M-PF-(MTG)



D

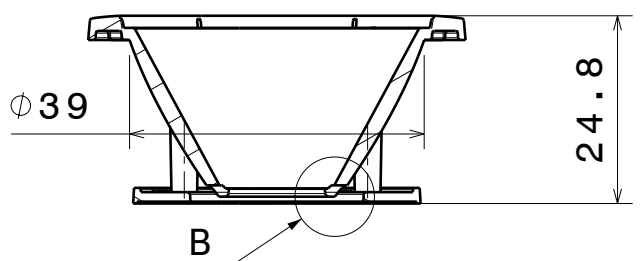
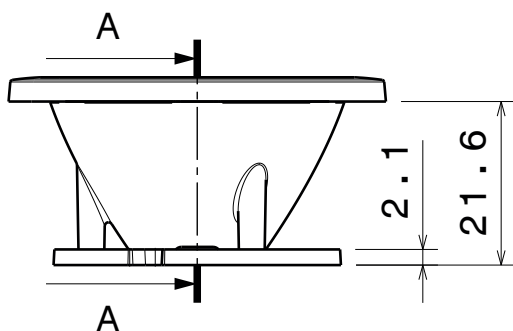
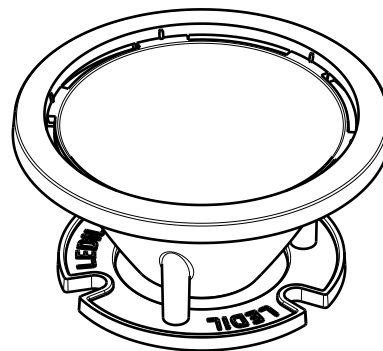
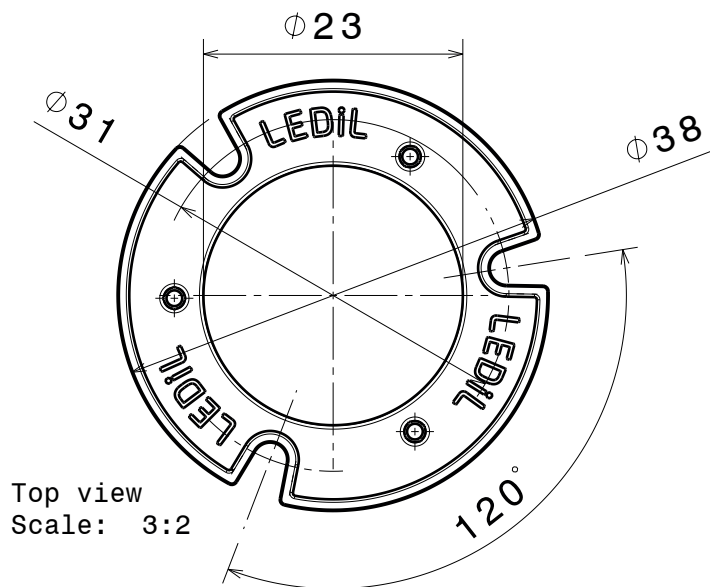
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B

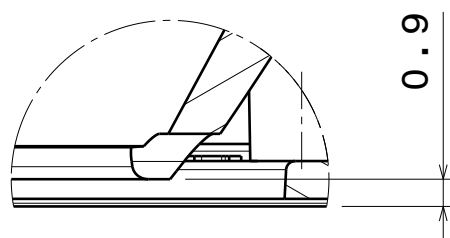
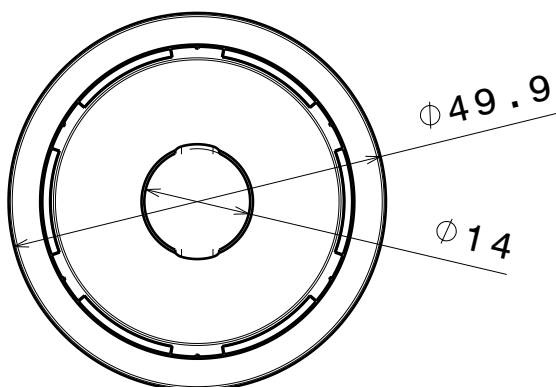
A

4

4



3



2

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

Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

DRAWING TITLE

Mechanical drawing

DRAWN BY

DATE

as

28.8.2012

CHECKED BY

DATE

VS

28.8.2012

DESIGNED BY

DATE

as

-

SIZE

A4

SCALE

1:1

WEIGHT

-

REV

001

SHEET

1/1

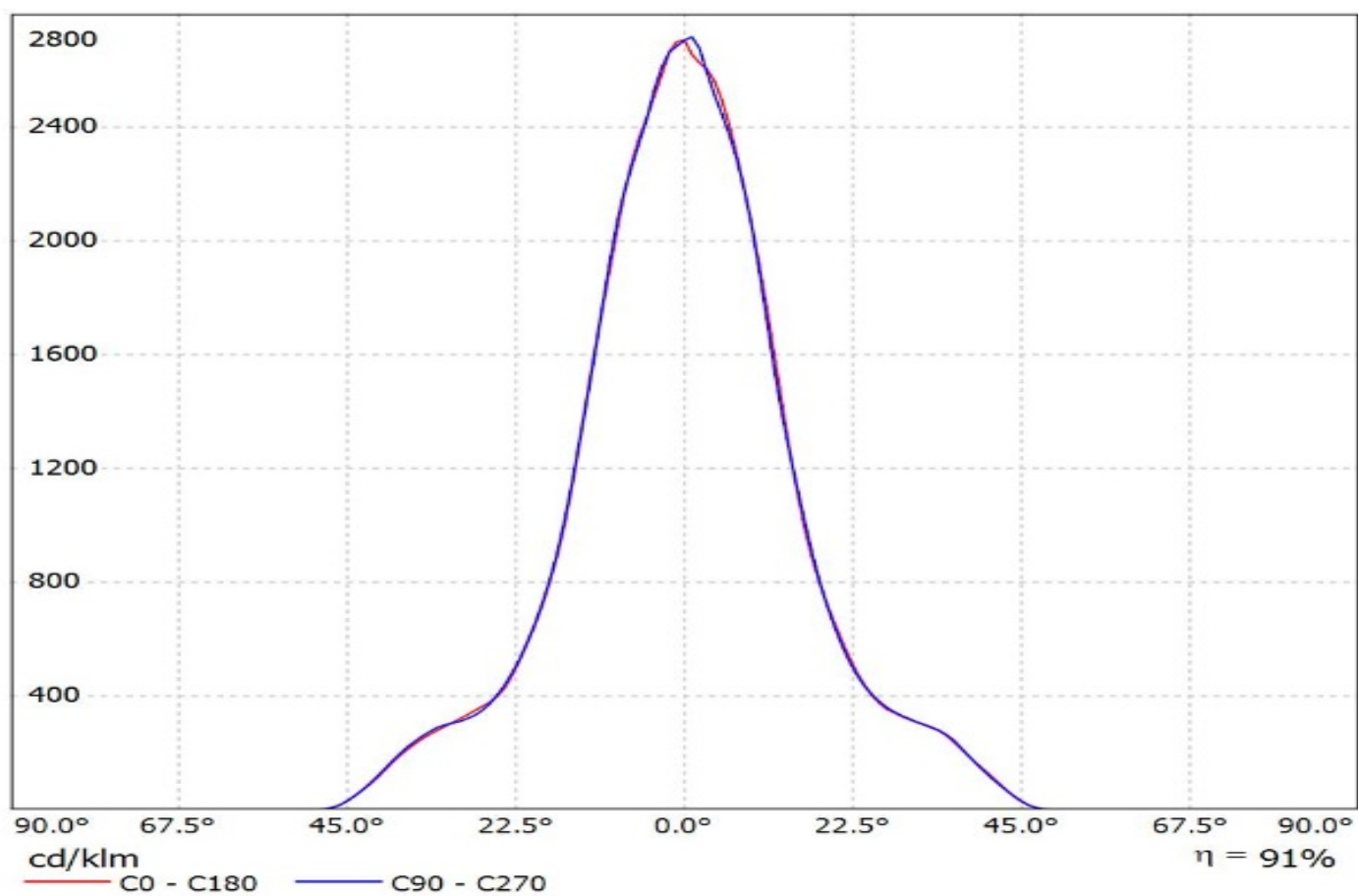
D

A

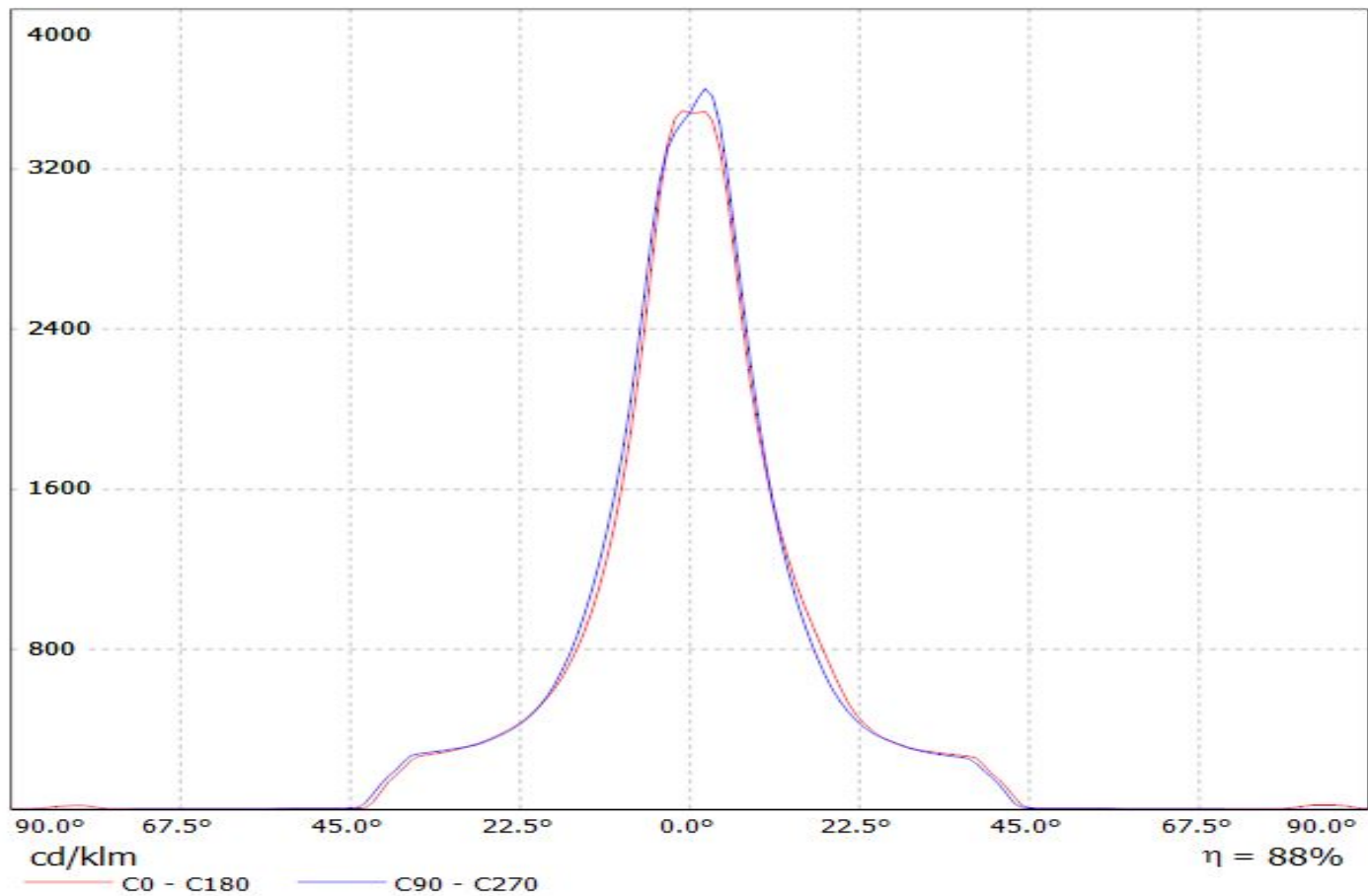
1



Luminaire: Ledil Oy CN13128\_MIRELLA-50-M-PF\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAJFB3.EM)

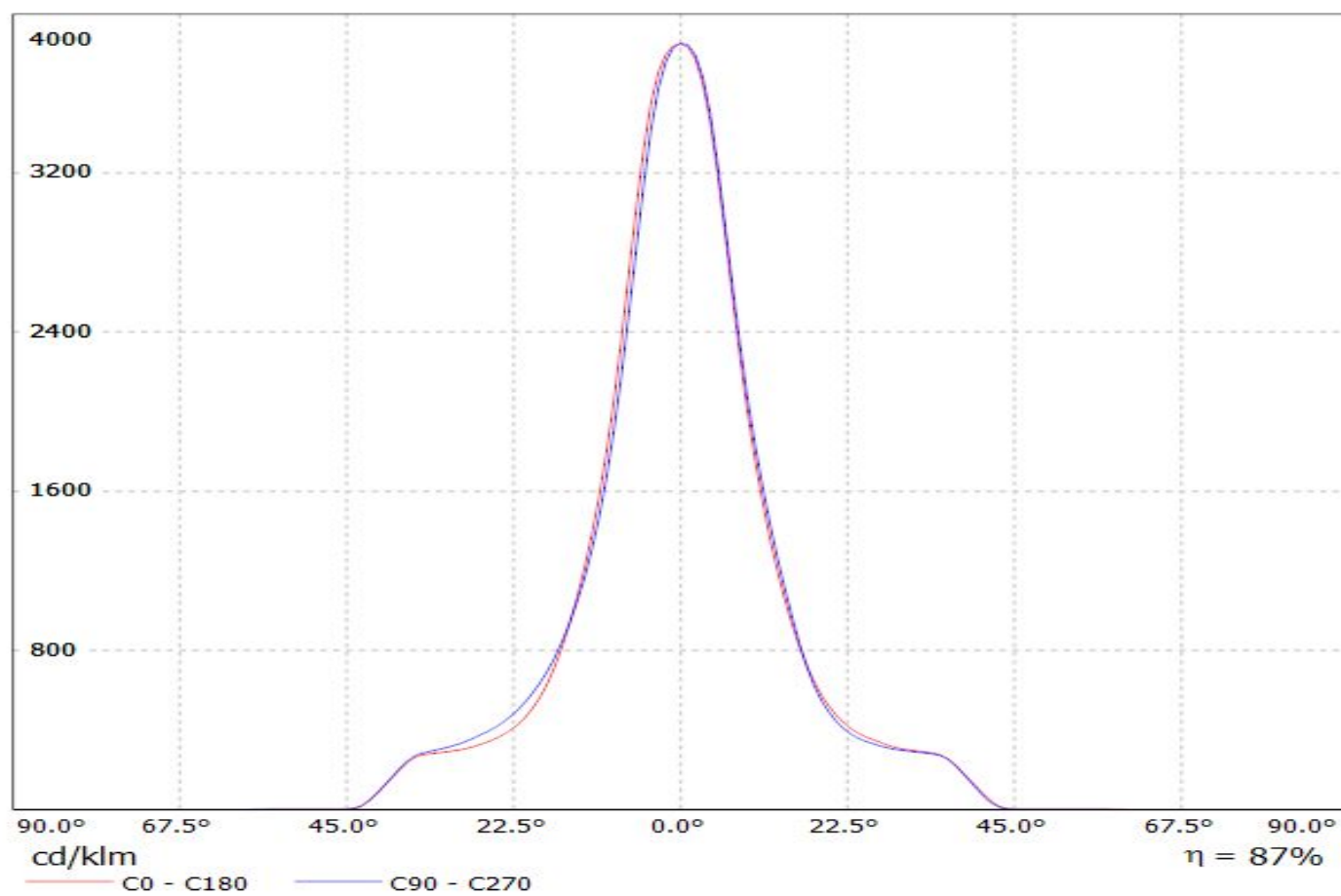


Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(Cree\_XHP50\_WW)  
Lamps: 1 x Cree\_XHP50\_WW\_196.271lm@250mA\_P=1.39897W\_I=0.2499A

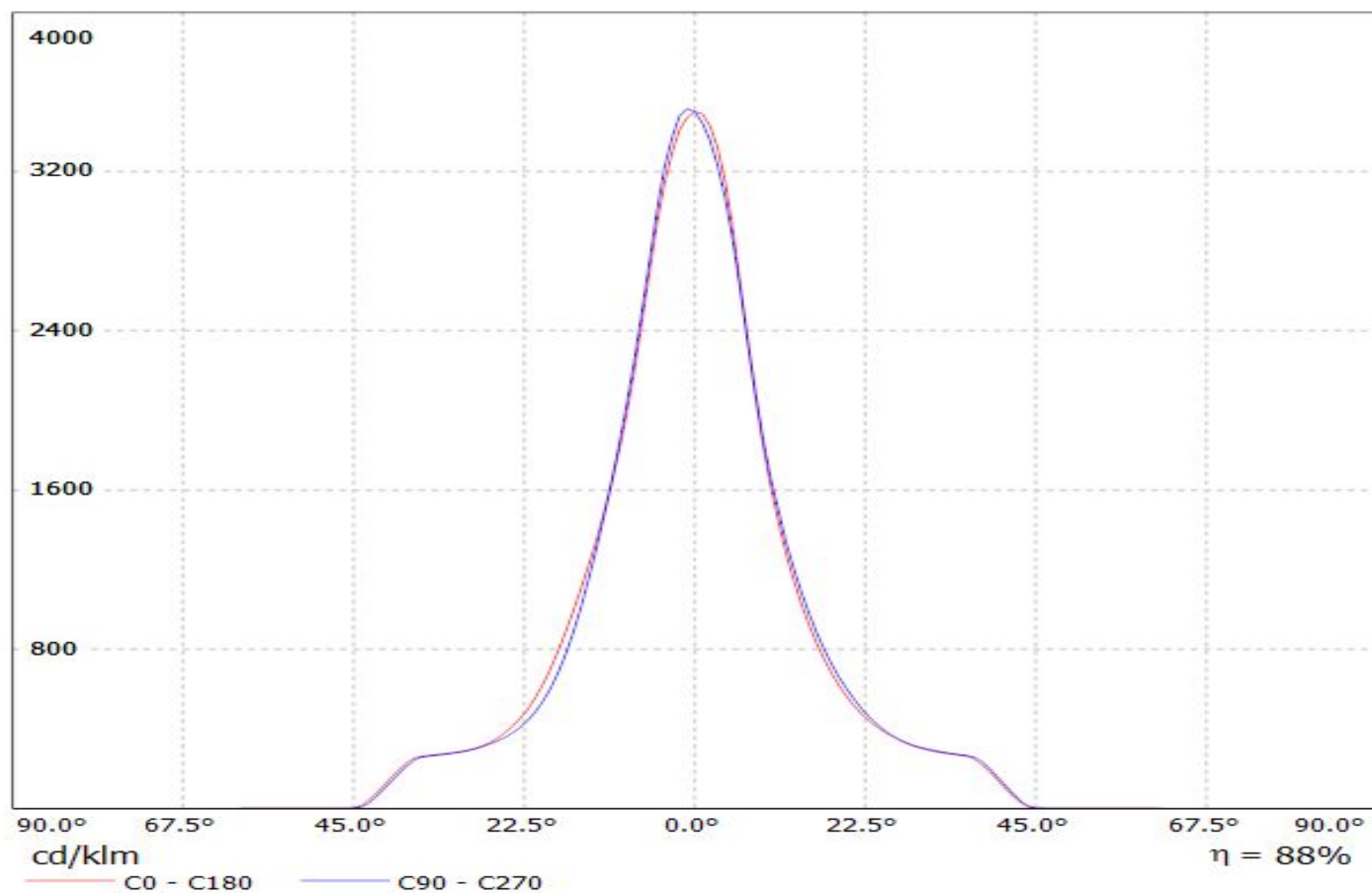


Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(CLU700)

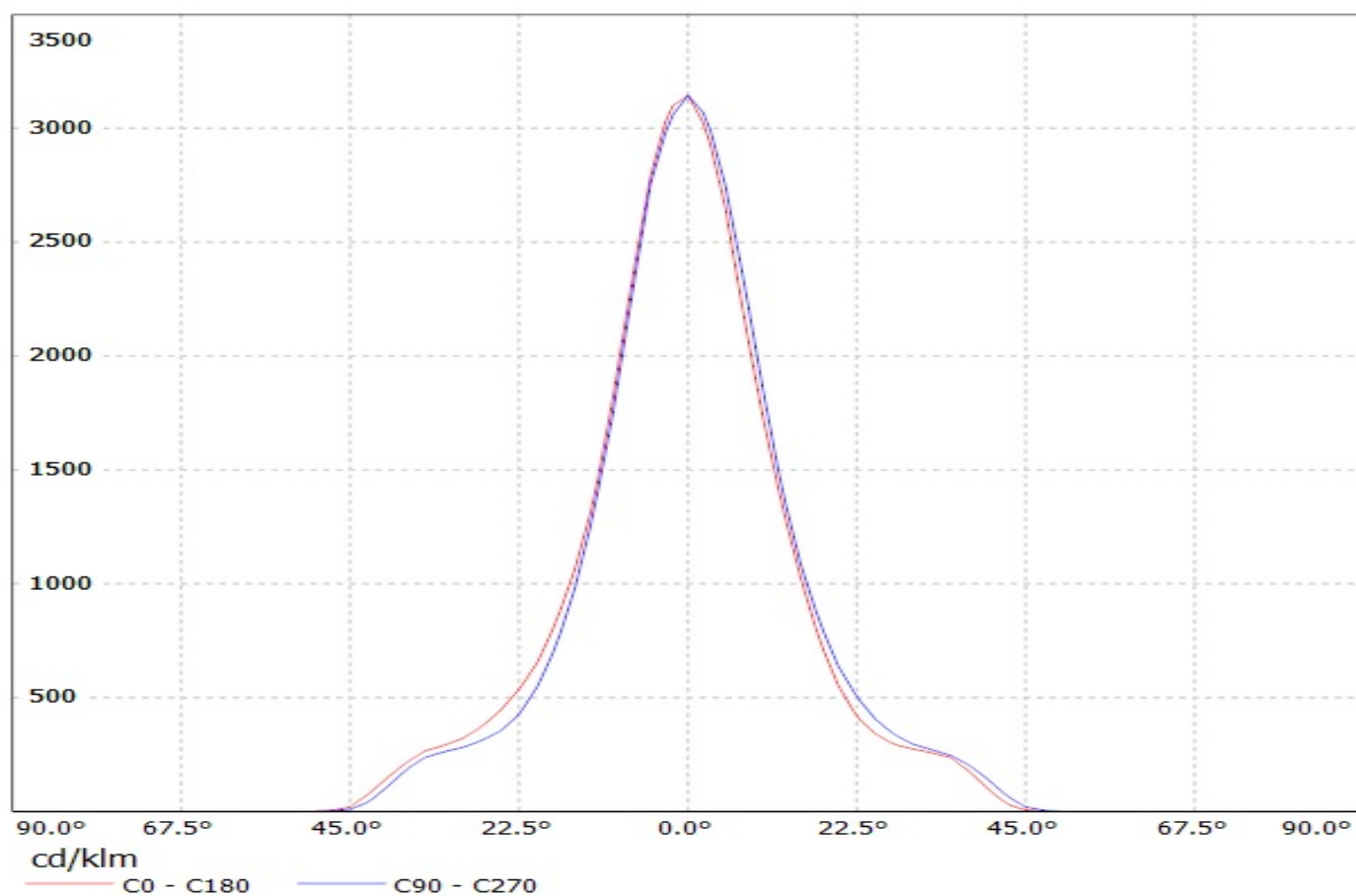
Lamps: 1 x Citizen\_CLU700\_C13083\_PF-SOCKET\_394.785lm@100mA\_P=2.92999W\_I=0.1044A



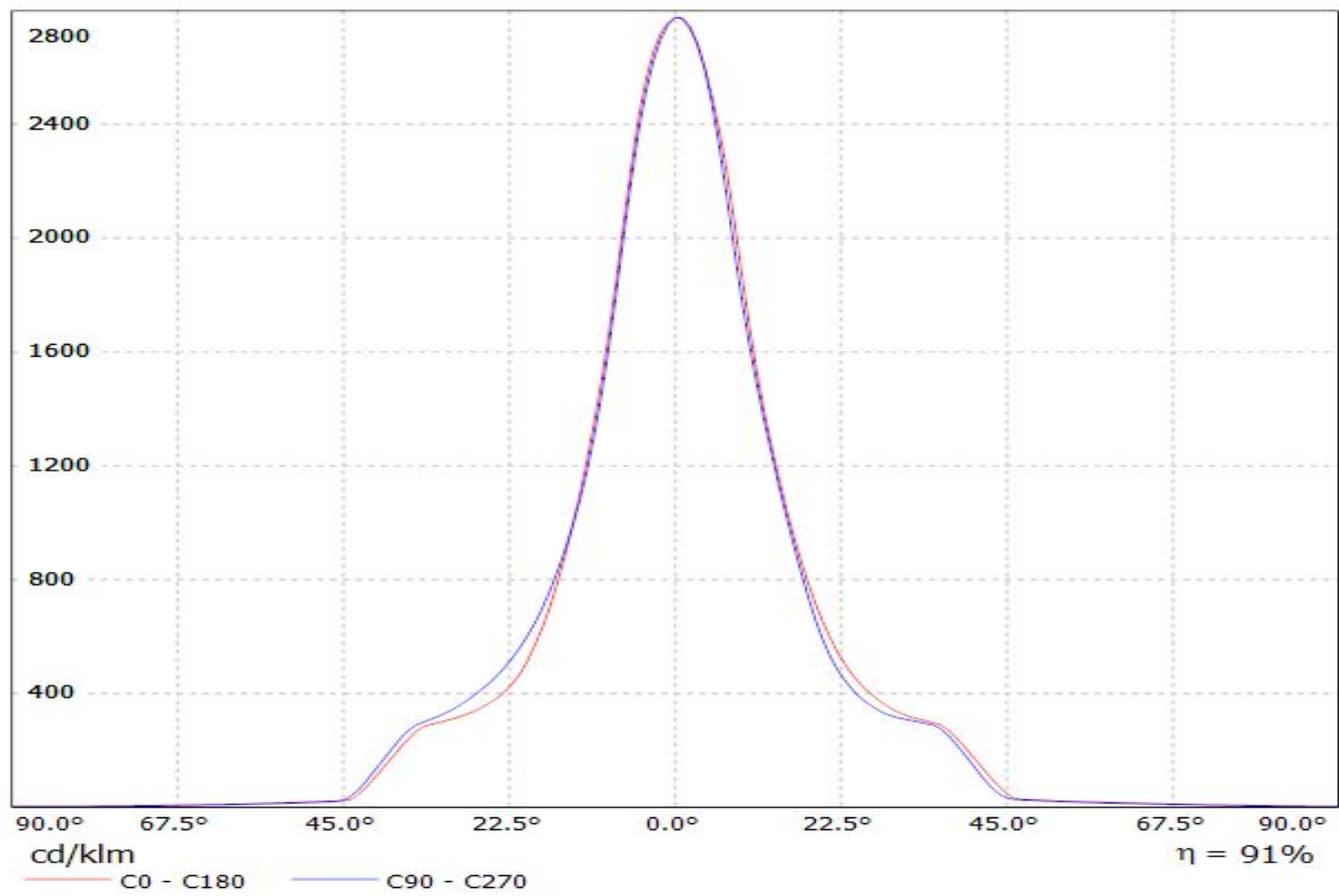
Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(SLE-G5\_LES-6)\_(C13083\_PF-SOCKET)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A



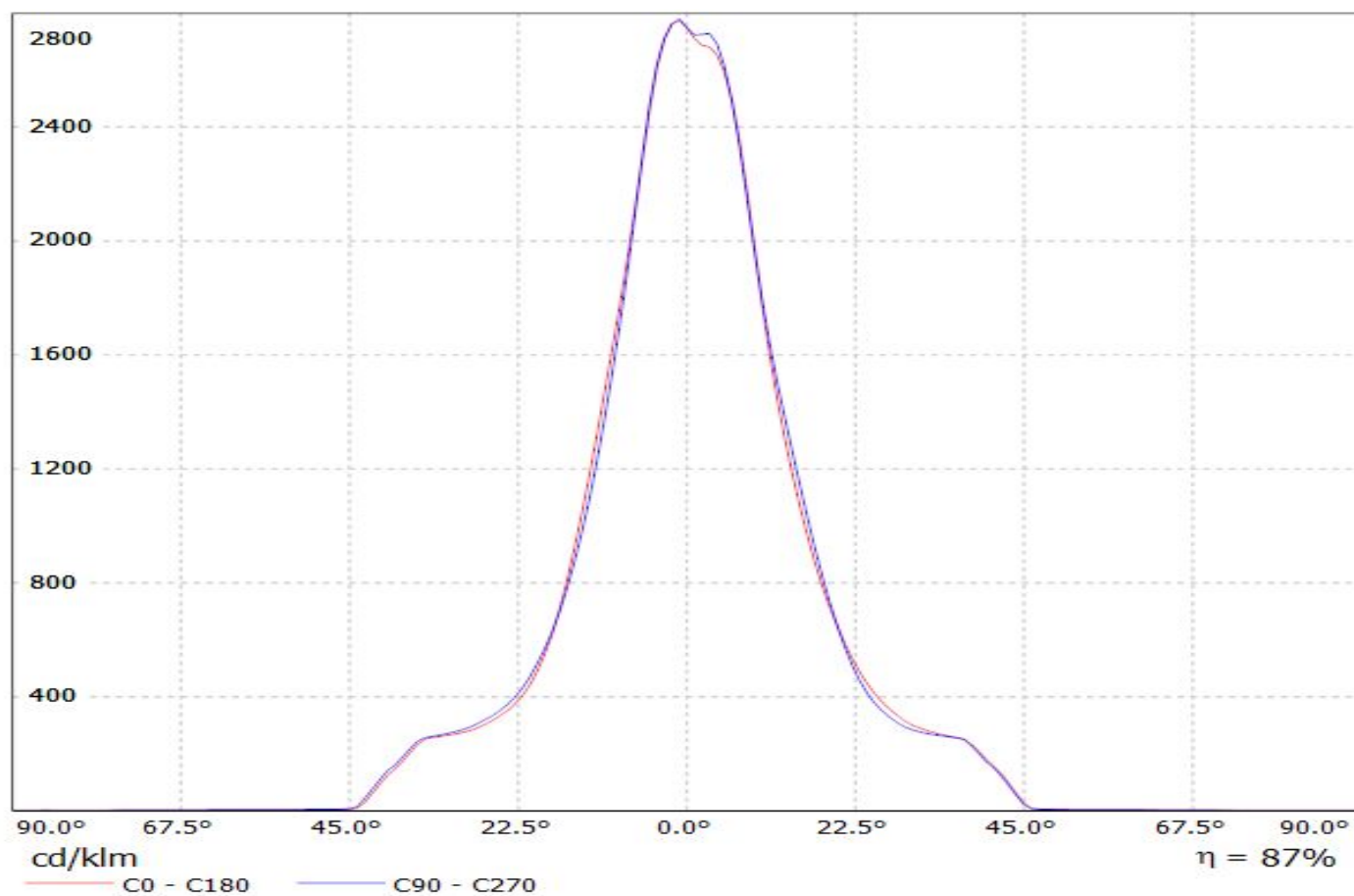
Luminaire: LEDil Oy CN13128\_MIRELLA-50-M-PF\_(CXM-6) Efficiency=85%  
Lamps: 1 x Luminus XNOVA CXM-6 (437lm @ 120mA) CCT=3200K P=4.2W I=120mA



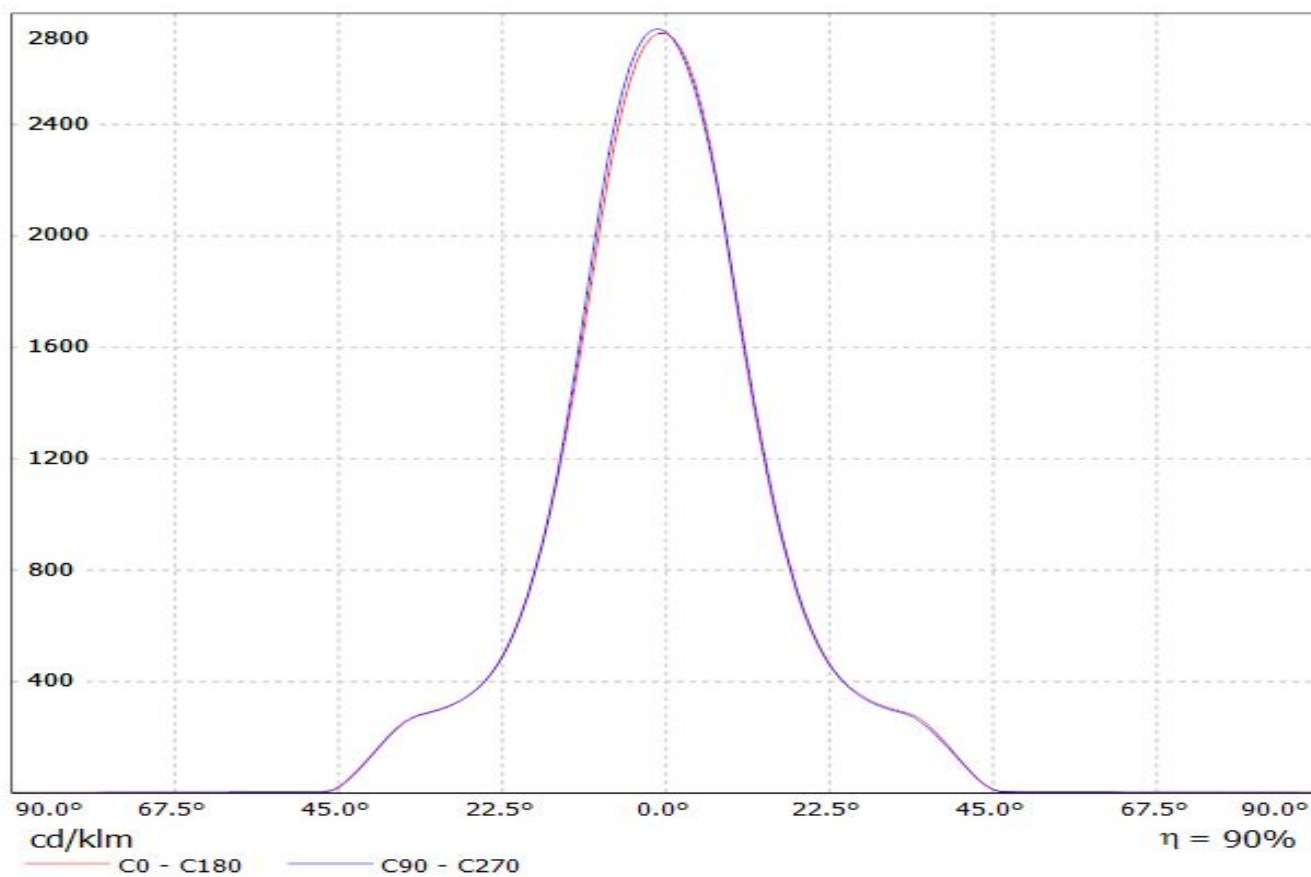
Luminaire: Ledil CN13128\_MIRELLA-50-M-PF\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A

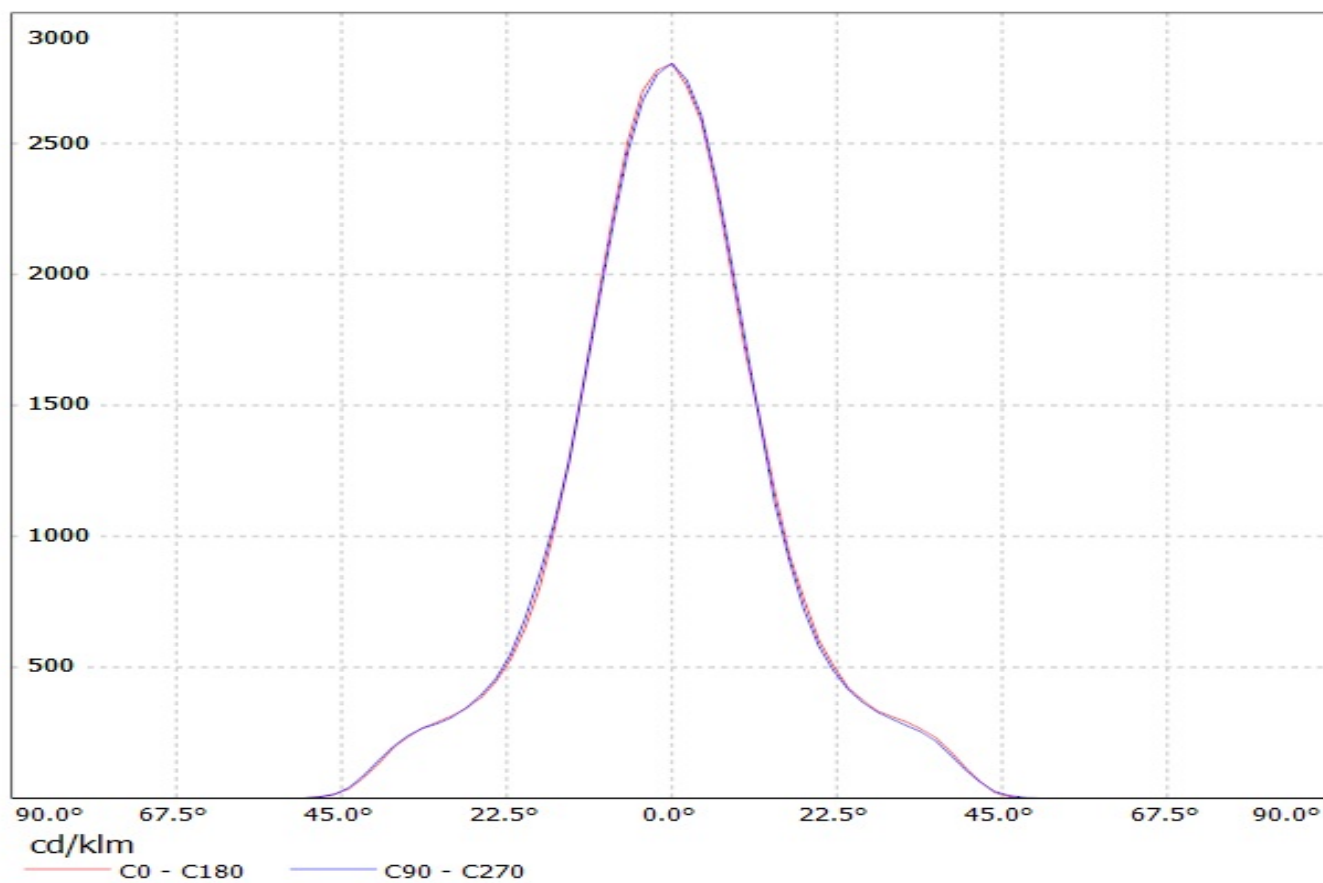


Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(Mini\_Zenigata\_GW6BM) Eff.89.6%  
Lamps: 1 x Mini\_Zenigata\_GW6BM (803.772lm@250mA)

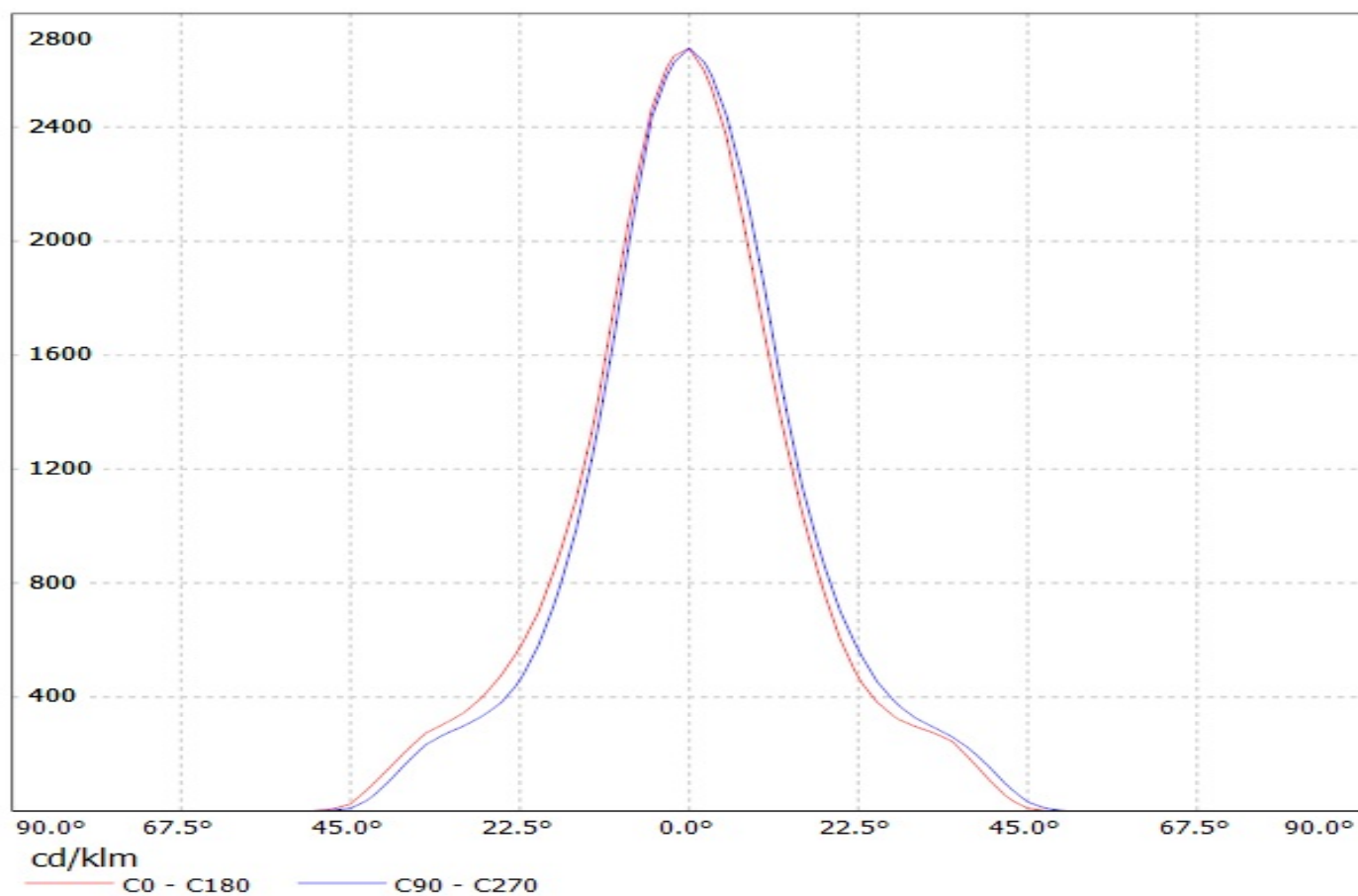




Luminaire: LEDil Oy CN13128\_MIRELLA-50-M-PF\_(ZC6) Efficiency=87%  
Lamps: 1 x Seoul ZC6 (SDW81F1C) 422lm @ 100mA CCT=3100K P=3.4W I=100mA

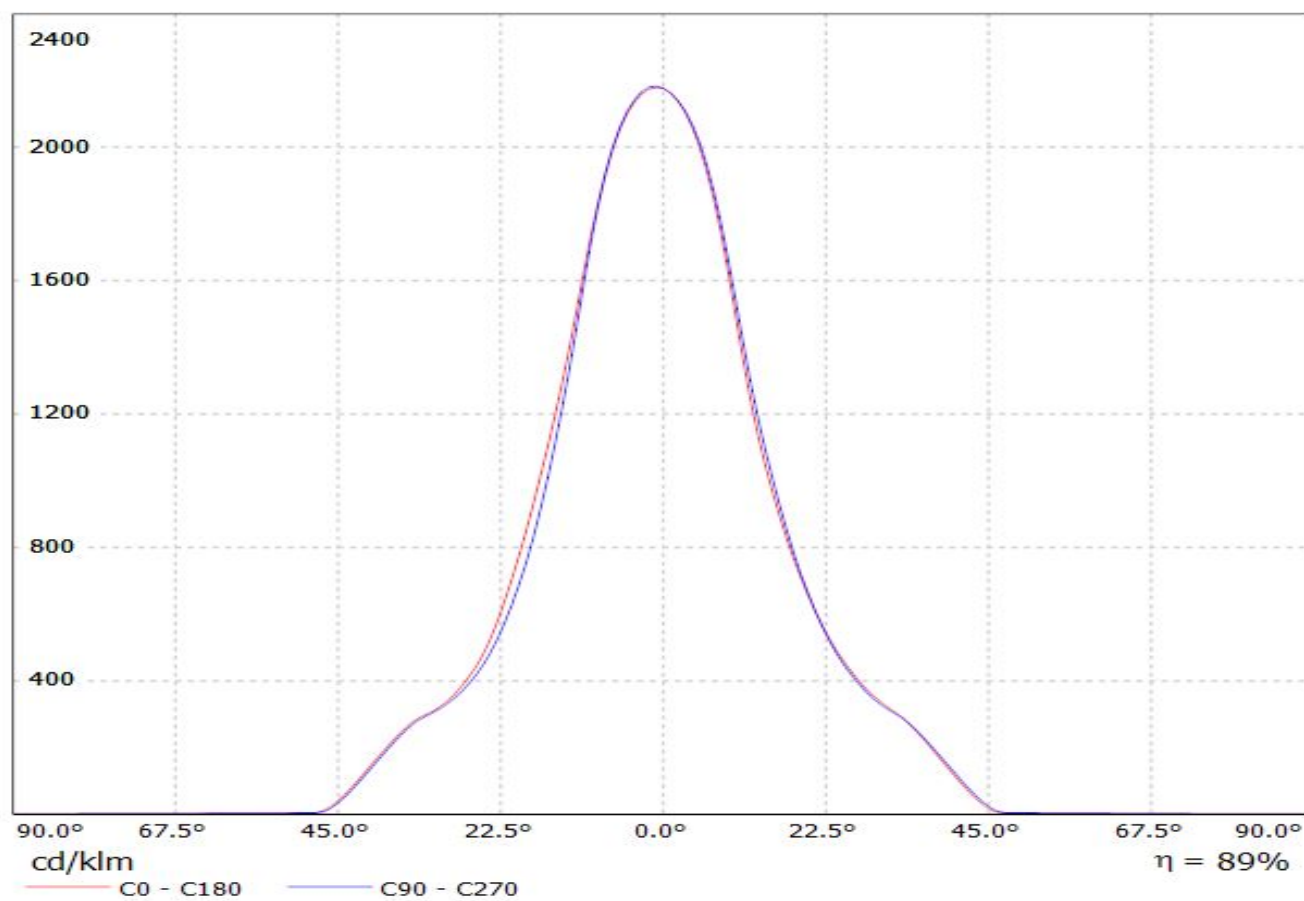


Luminaire: LEDil Oy CN13128\_MIRELLA-50-M-PF\_(CXM-7) Efficiency=86%  
Lamps: 1 x Luminus XNOVA CXM-7 (522lm @ 160mA) CCT=2900K P=5.6W I=160mA

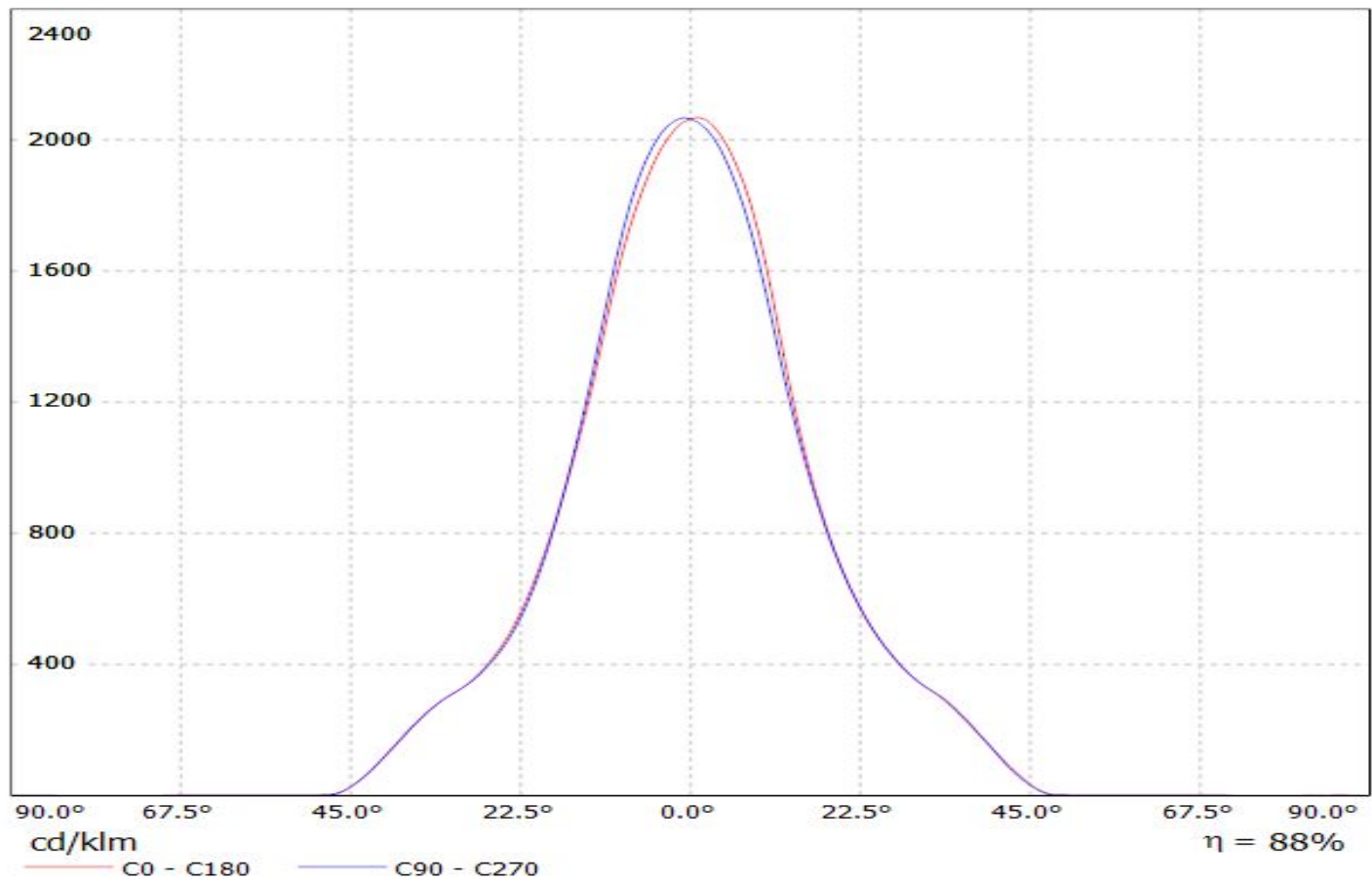


Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(CXM-9)

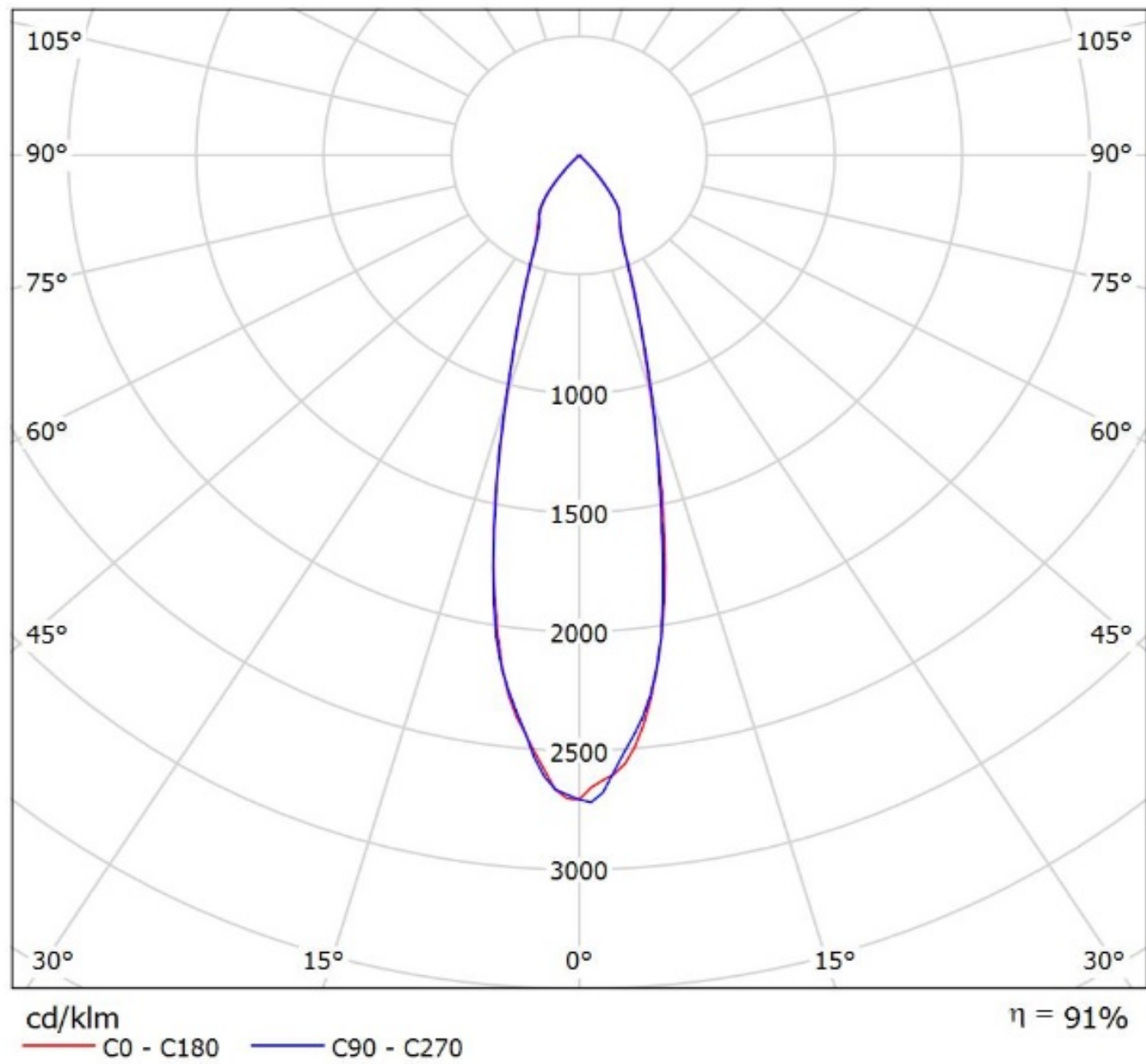
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_974.297lm@240mA\_P=8.2836W\_I=240mA



Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(SLE-G5\_LES-11)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1166.25lm@250mA\_P=8.3218W\_I=0.250A

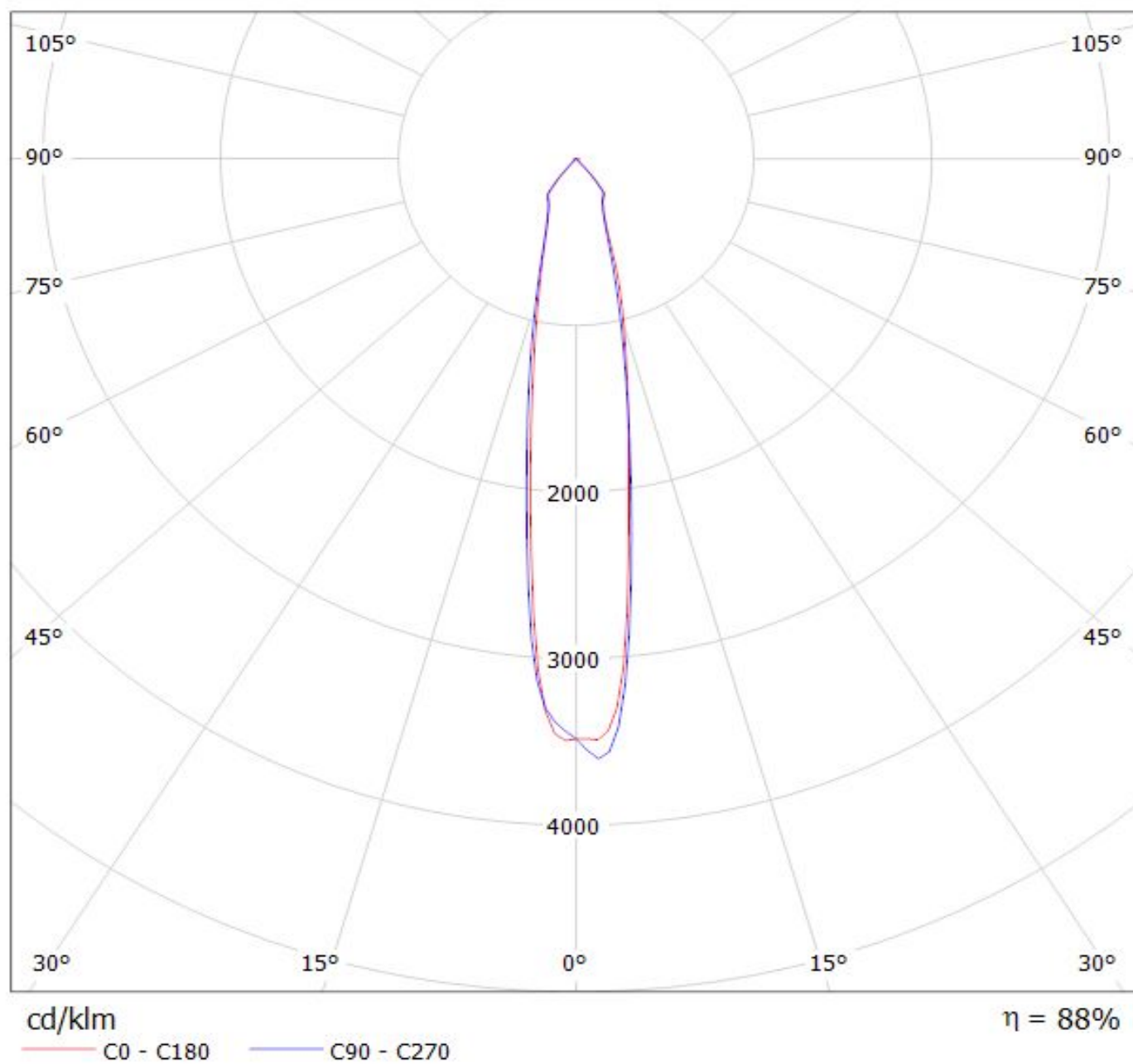


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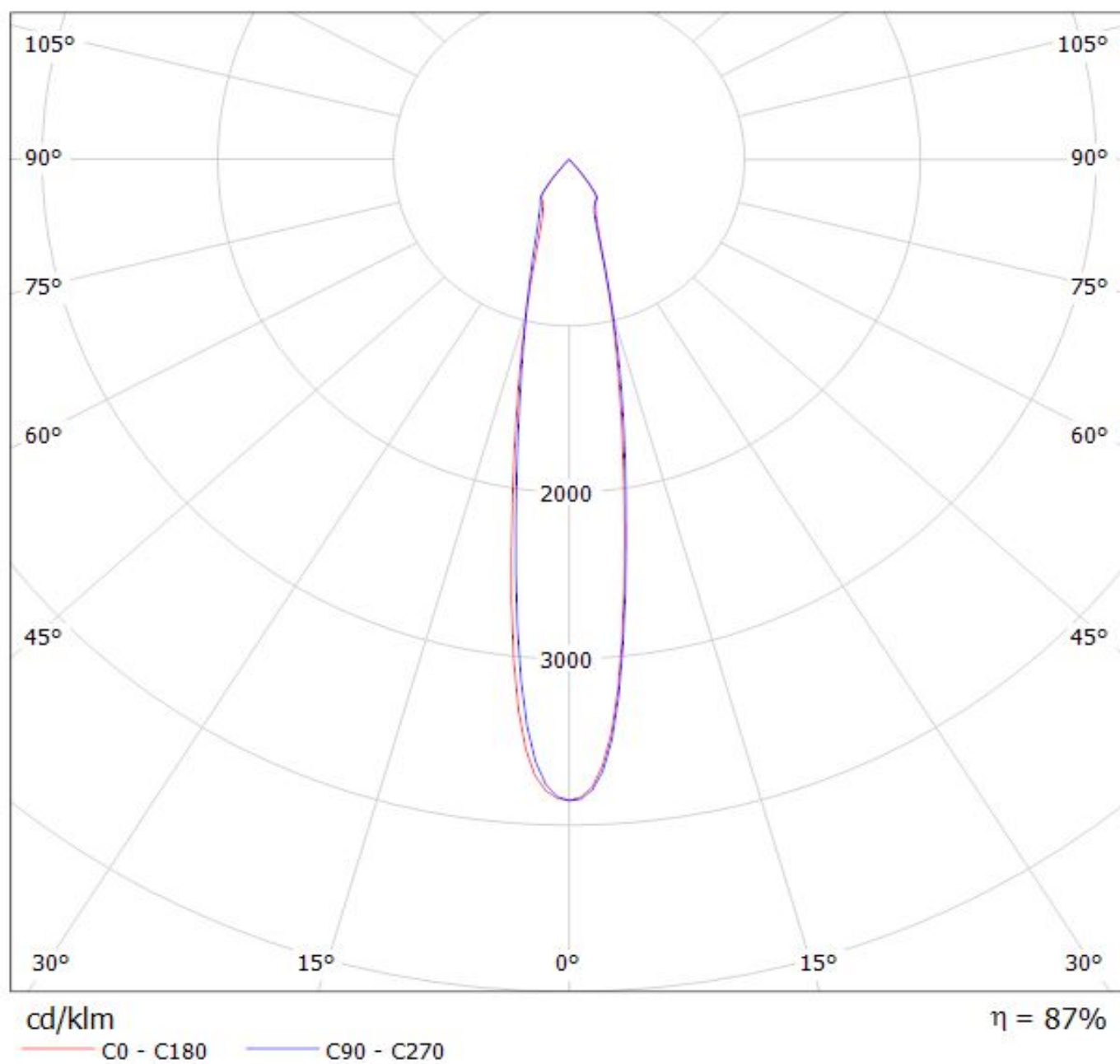
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Lamps: 1 x Cree\_XHP50\_WW\_196.27lm@250mA\_P=1.39897W\_I=0.2499A



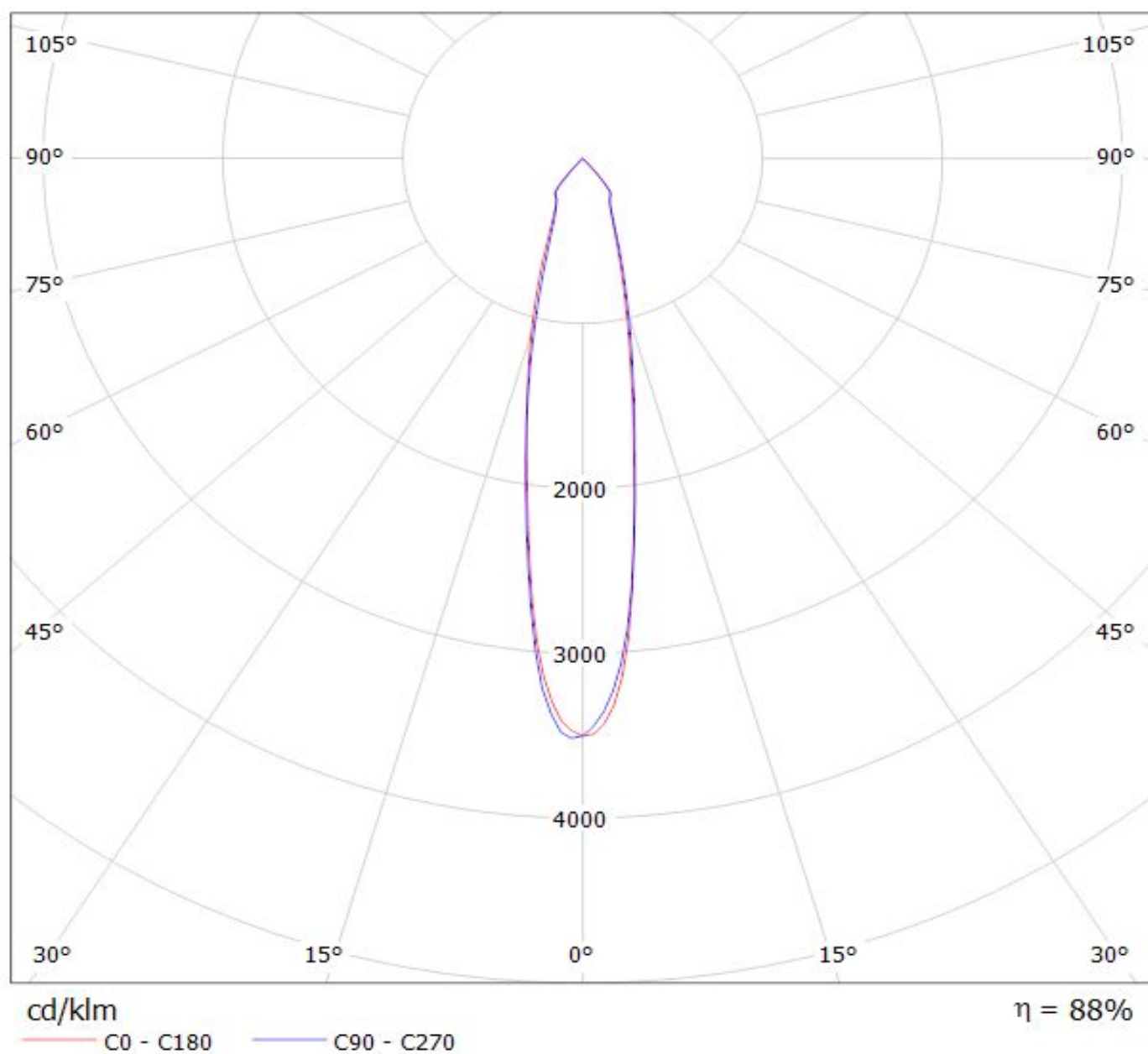
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Lamps: 1 x Citizen\_CLU700\_C13083\_PF-SOCKET\_394.785lm@100mA\_P=2.92999W\_I=0.1044A



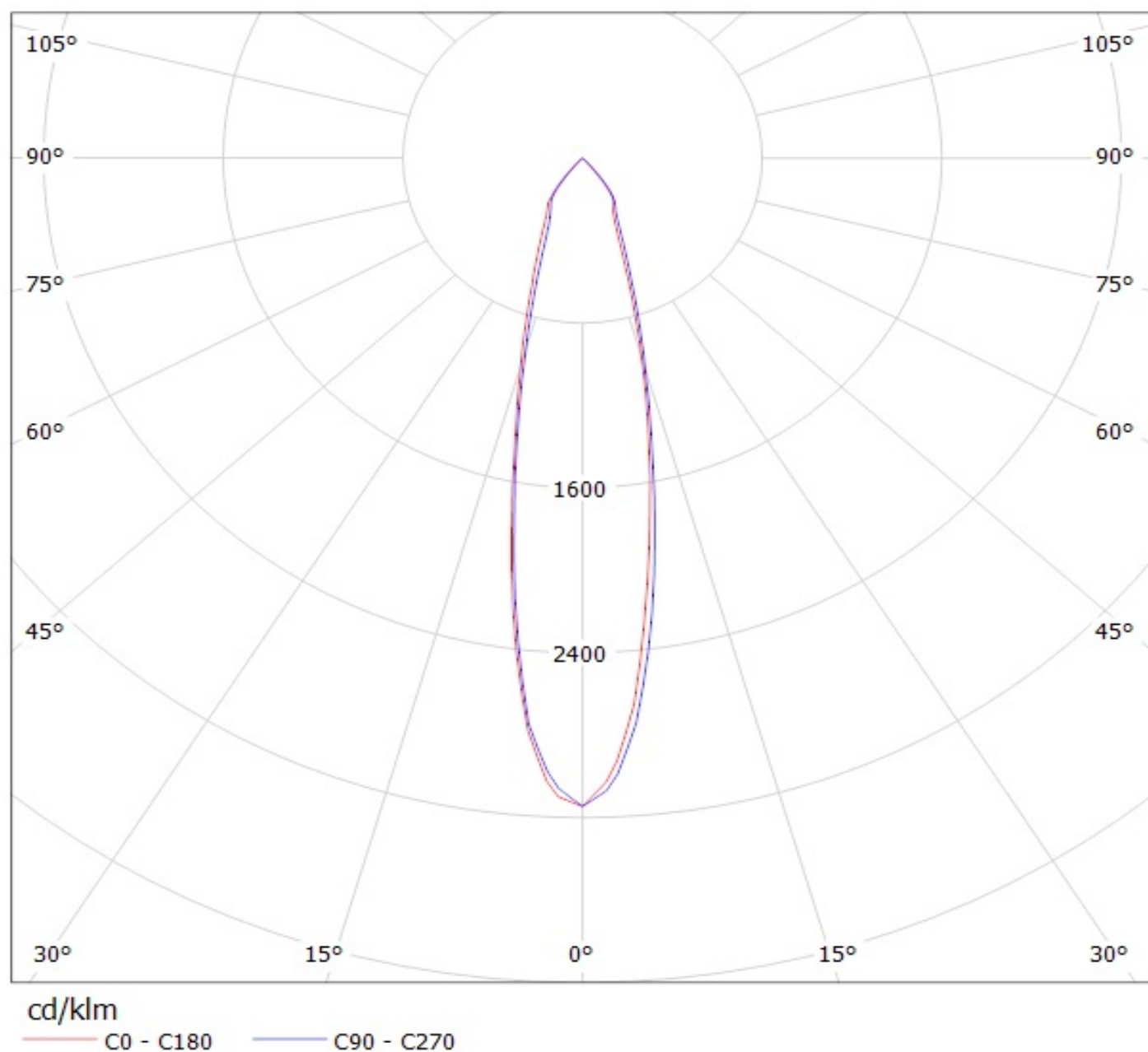


Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(SLE-G5\_LES-6)\_(C13083\_PF-SOCKET)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A

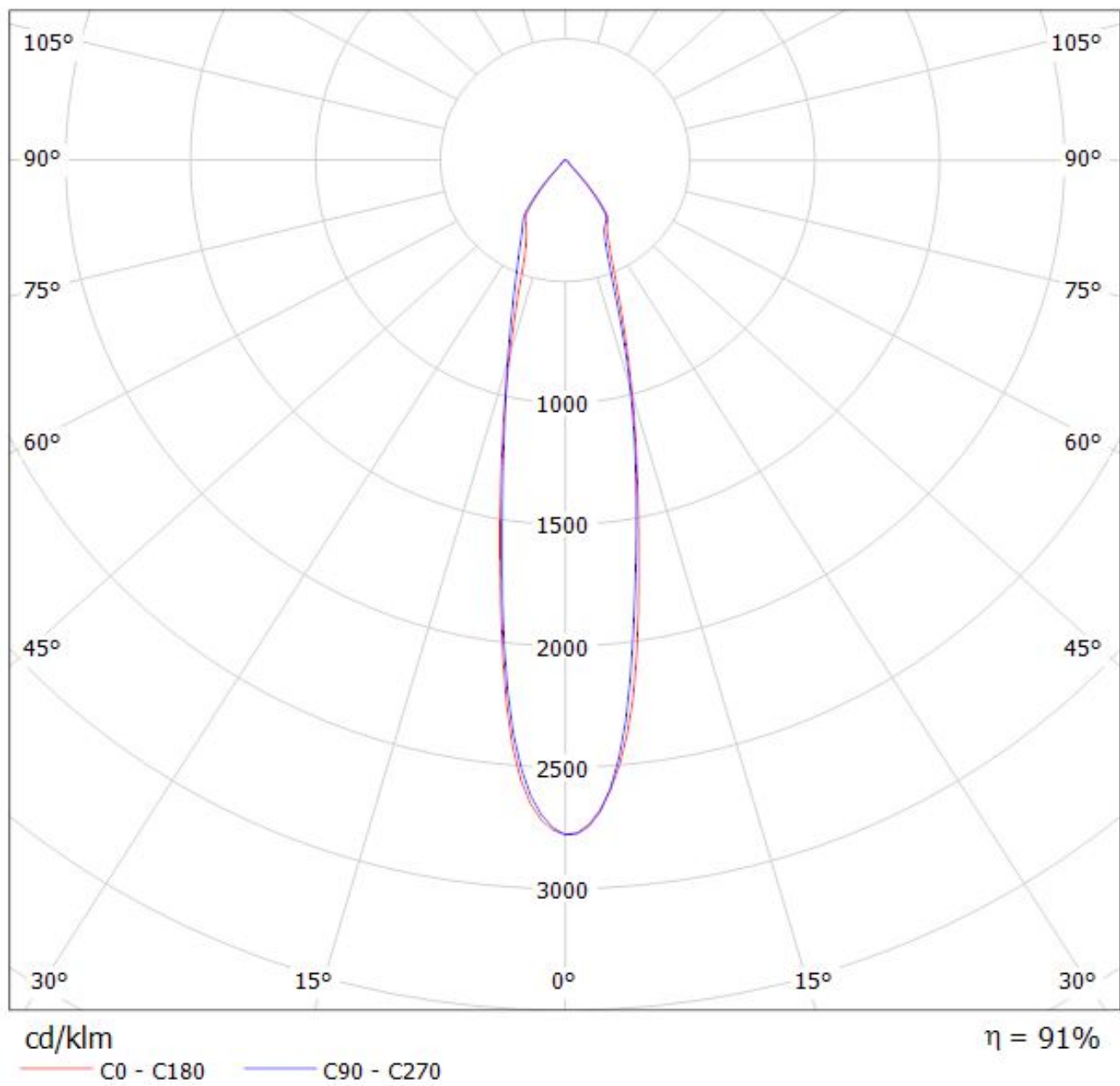




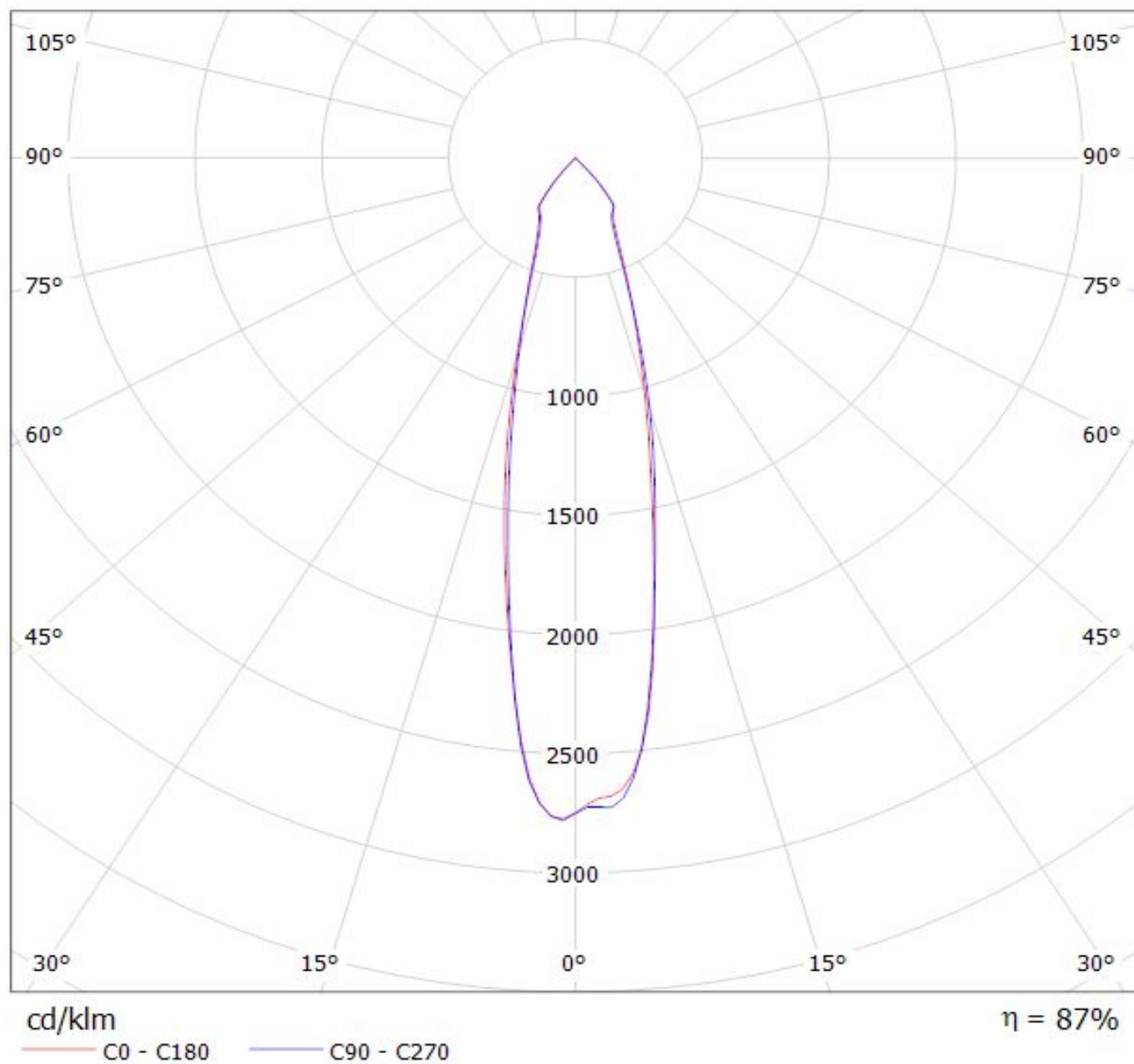
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Lamps: 1 x Luminus XNOVA CXM-6 (437lm @ 120mA) CCT=3200K P=4.2W I=120mA



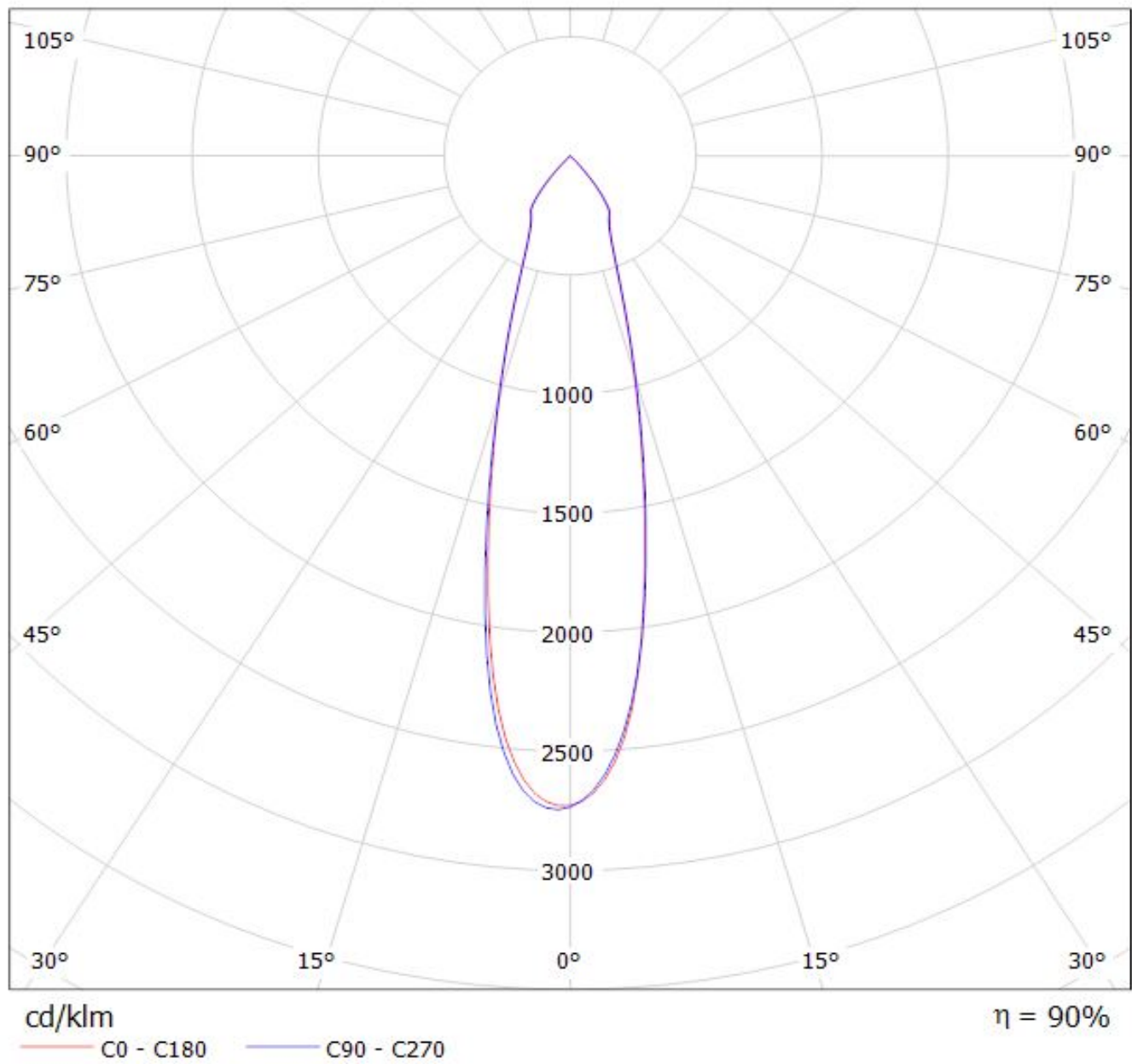
Luminaire: Ledil CN13128\_MIRELLA-50-M-PF\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_η=0.100A



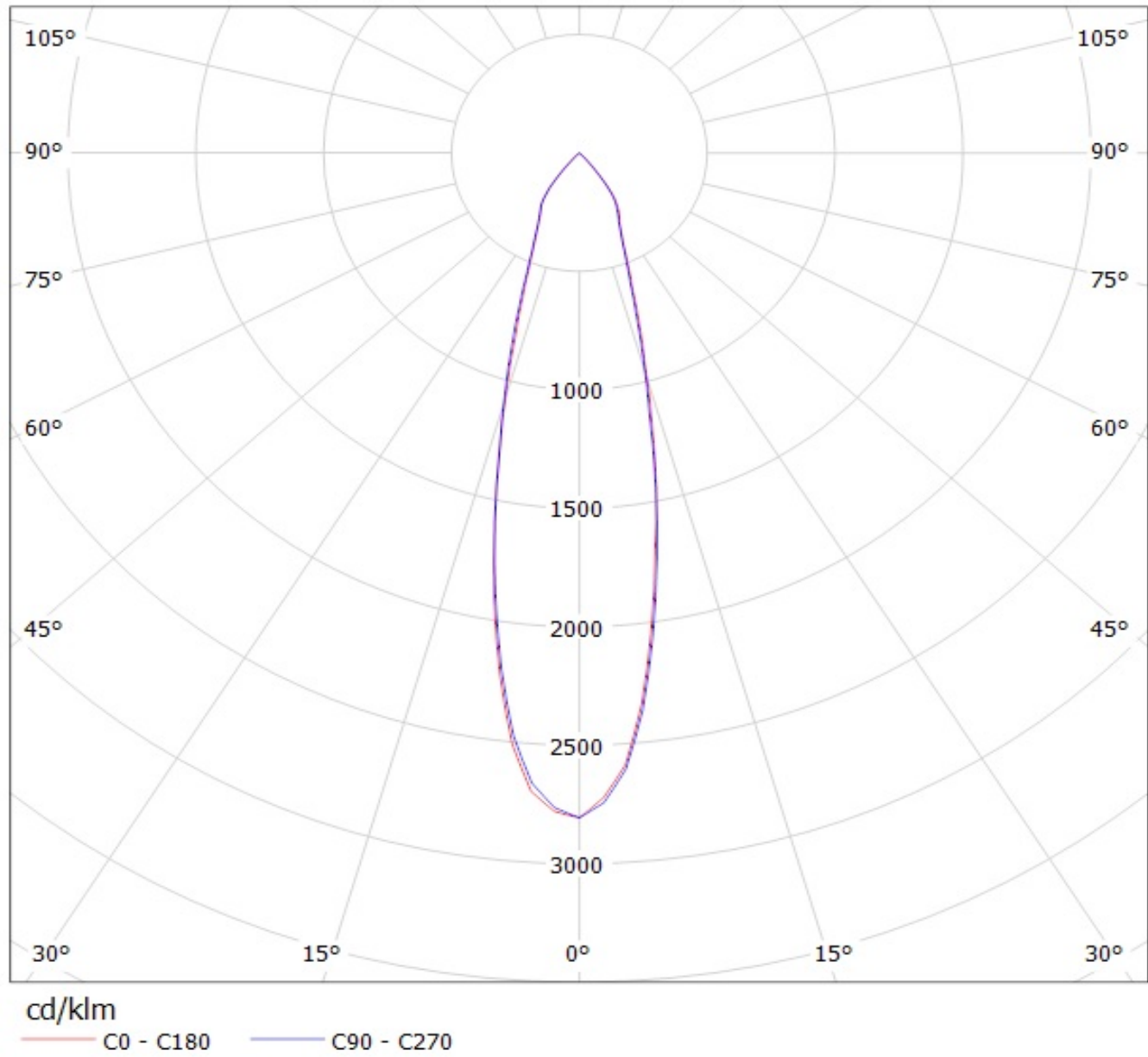
Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_261.339lm@250mA\_P=1.3827W\_I=0.2499A



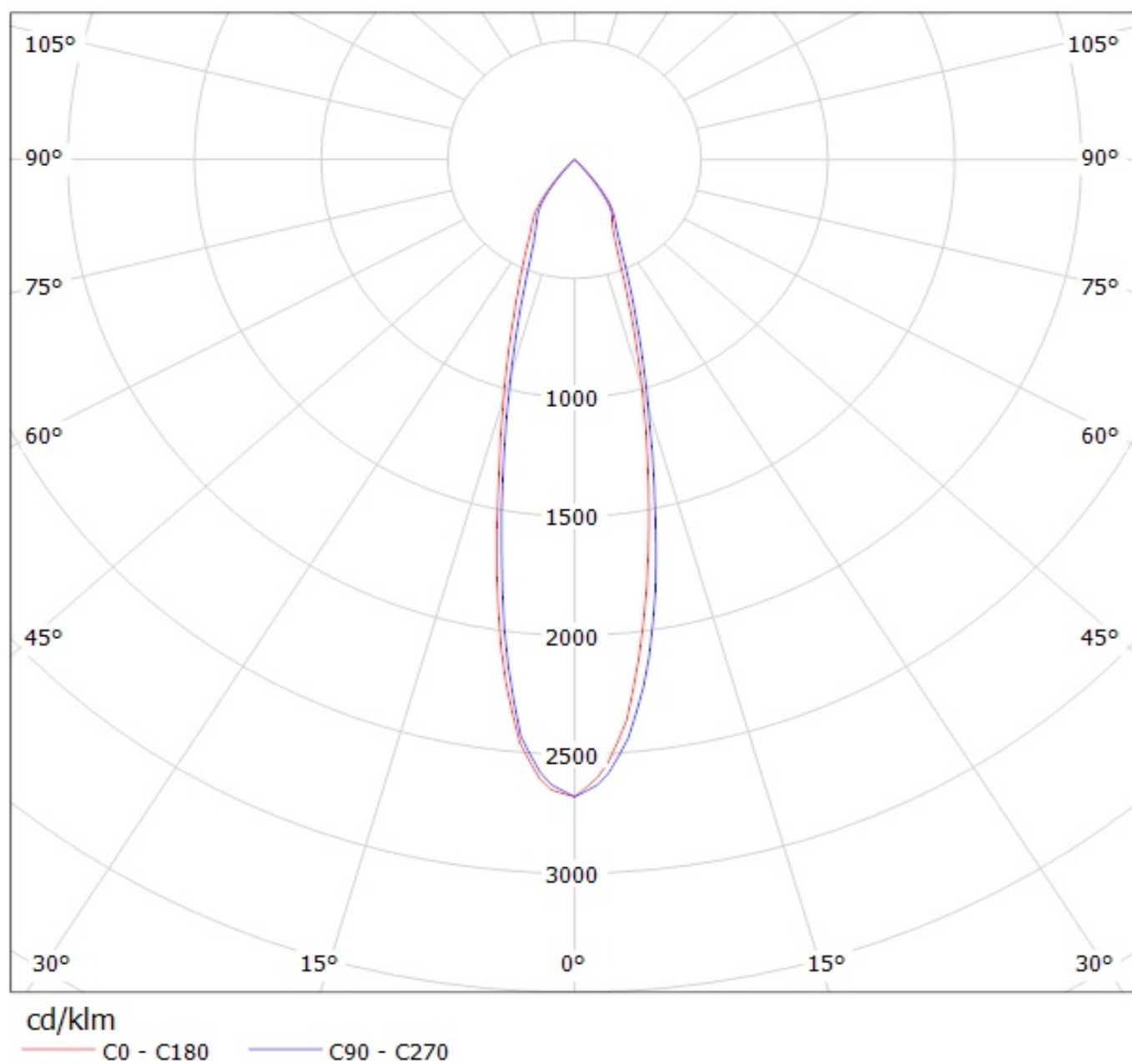
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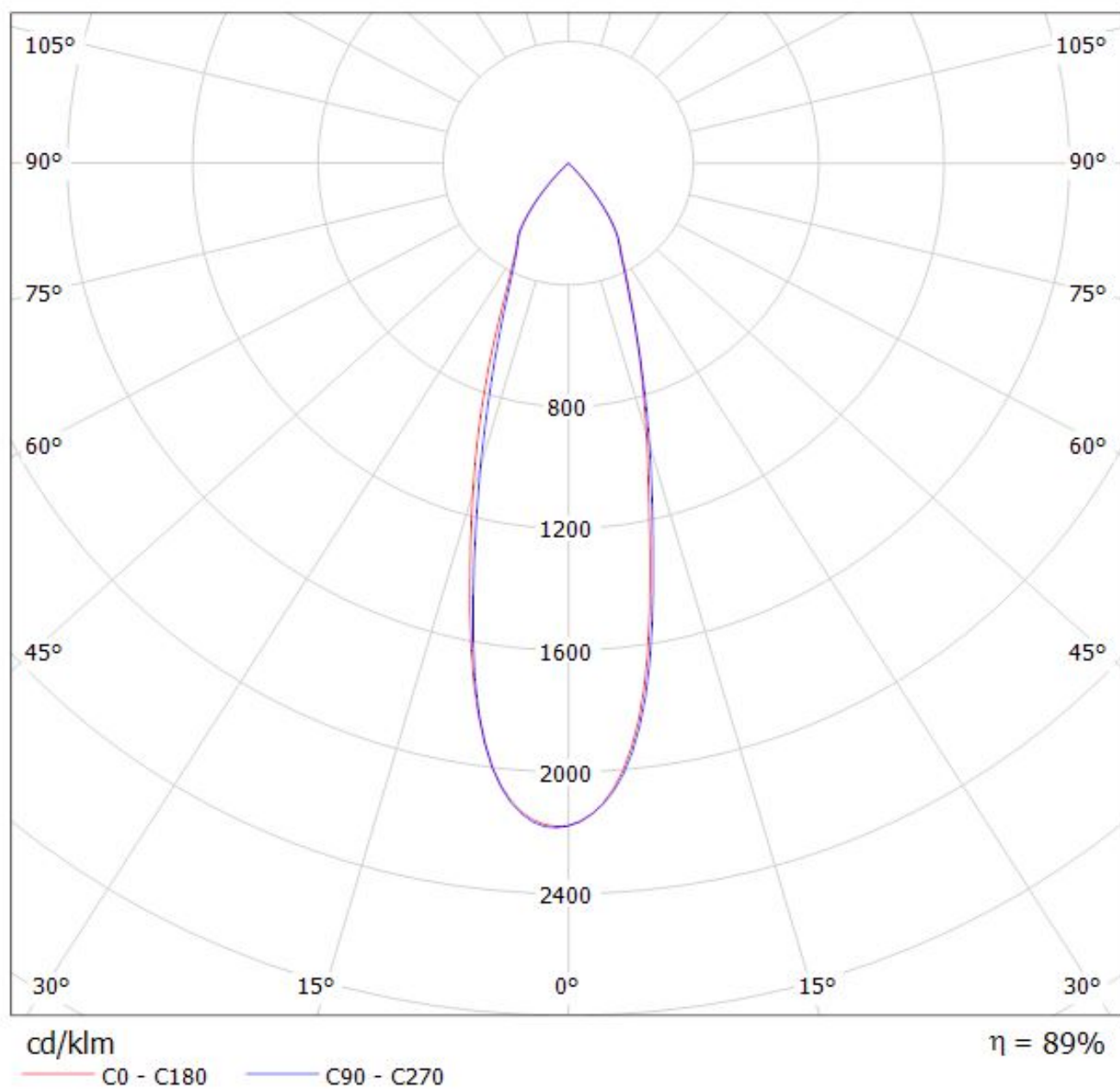
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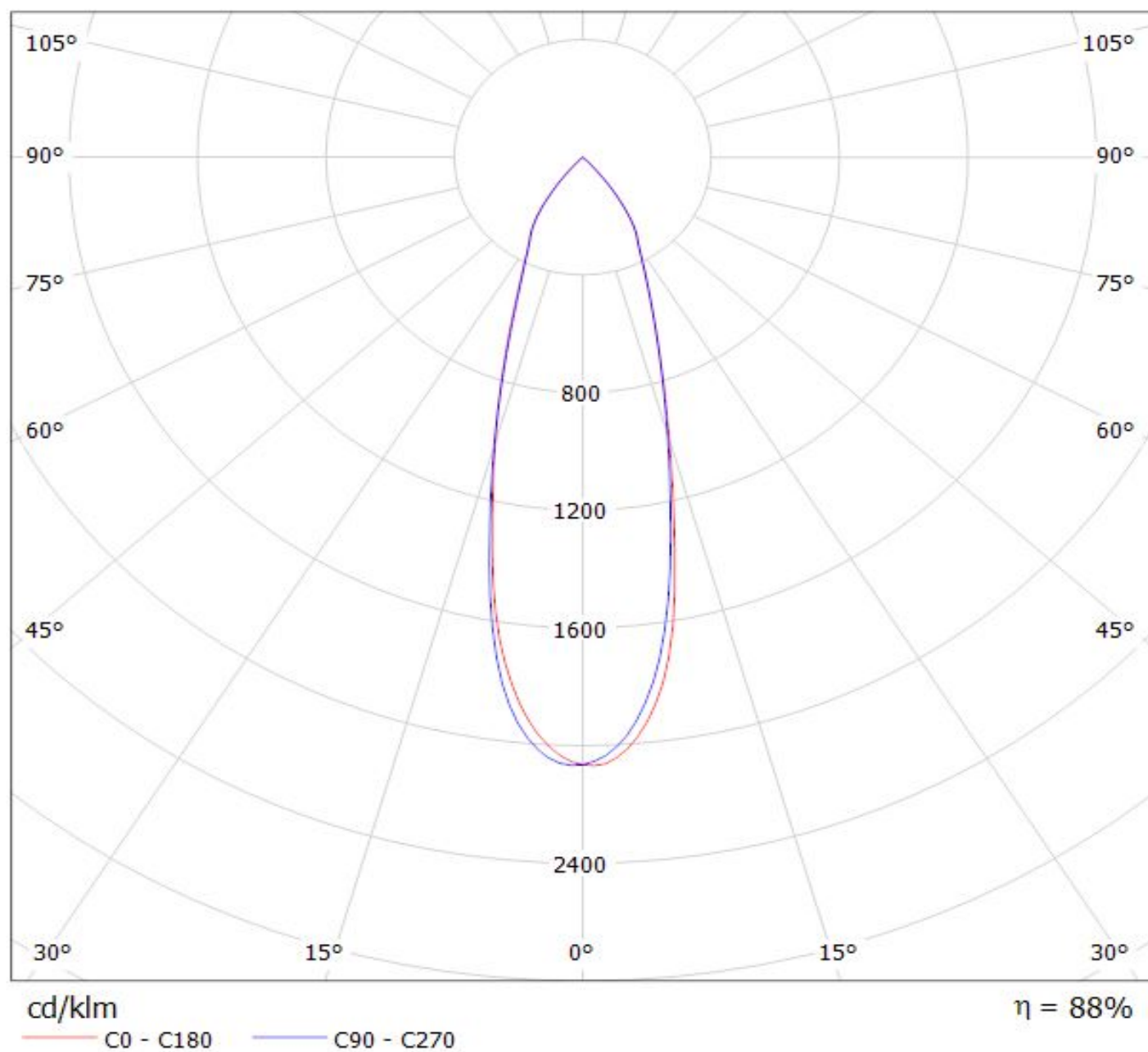
Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(CXM-9)

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



Luminaire: LEDiL Oy CN13128\_MIRELLA-50-M-PF\_(SLE-G5\_LES-11)

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





**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.