

## DETAILS

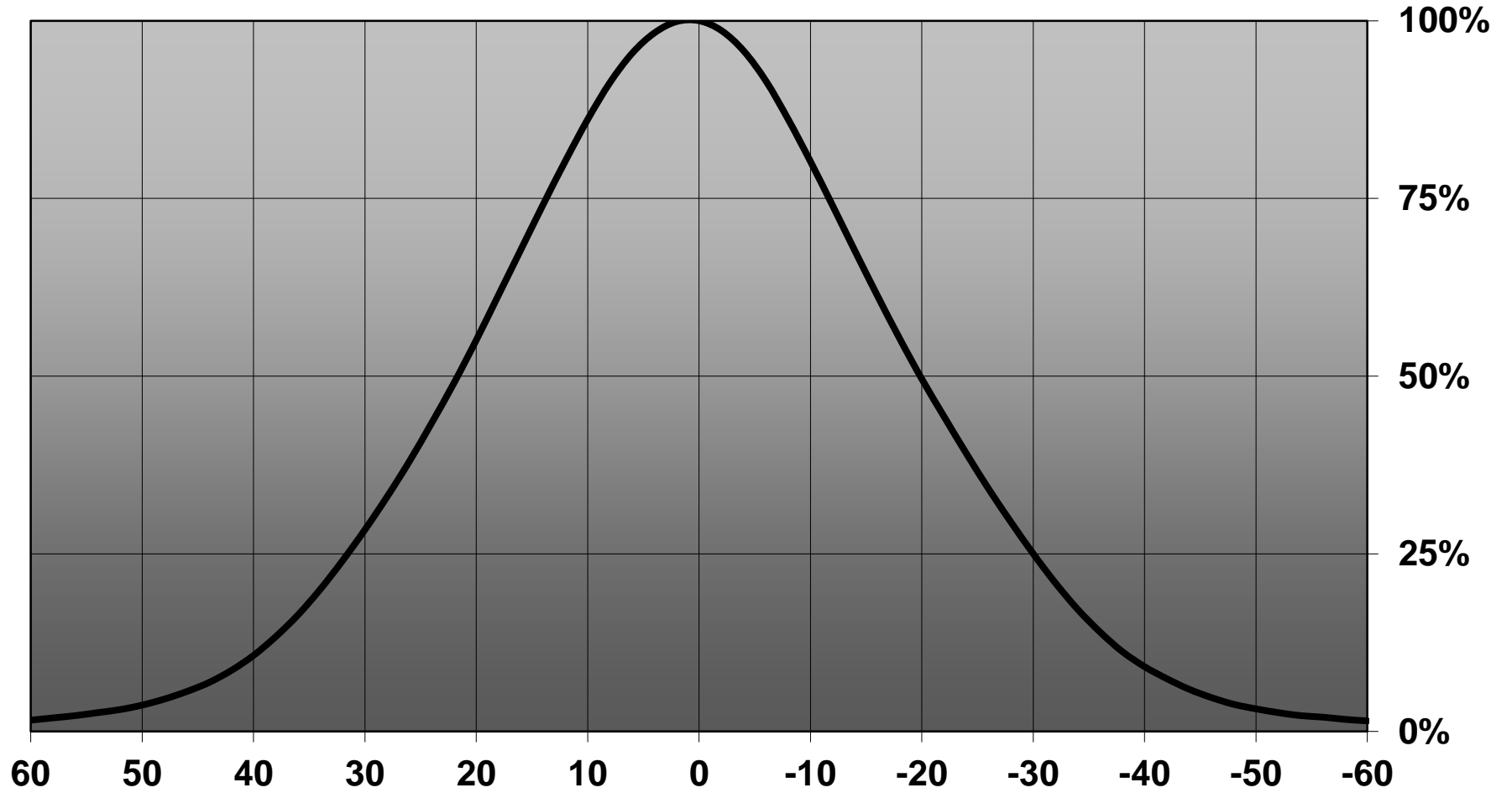
<b>Product Number</b>	CN13907_MIRELLA-50-W-PF-RZL
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	25,6 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	screw, socket
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	2/11/2016



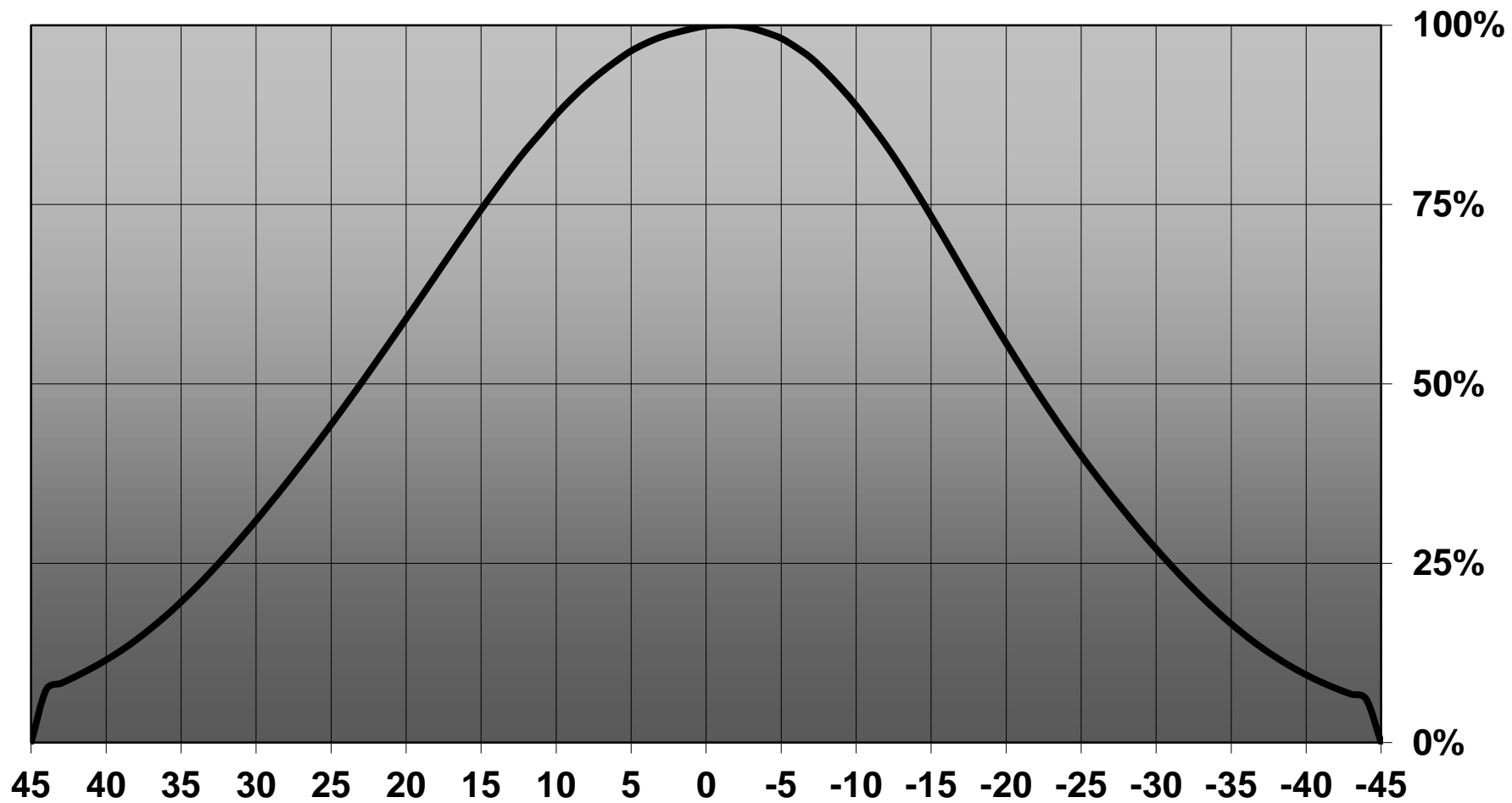
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
CLL02x/CLU02x (LES10)	46 deg	Wide	-	0.700	-
CLU700/701	42 deg	Wide	81 %	1.300	-
XM-L RGB	41 deg	Wide	80 %	1.300	-
XHP50	38 deg	Wide	80 %	1.300	-
XHP70	44 deg	Wide	79 %	1.200	-
MHD-E/G	45 deg	Wide	82 %	1.100	-
XQ-E HI RGBW	42 deg	Wide	87 %	1.380	-
LUXEON Z RGB	36 deg	Wide	79 %	1.500	-
CXM-9	48 deg	Wide	80 %	1.100	-
Ostar-SMT RGB	37 deg	Wide	81 %	1.500	-
Duris S10	45 deg	Wide	80 %	1.300	LEDiL: LEDiL
OSTAR Stage (S2WP)	36 deg	Wide	83 %	1.600	LEDiL: LEDiL
Soleriq S9	sim: 50	Wide	sim: 85 %	sim: 1.200	-

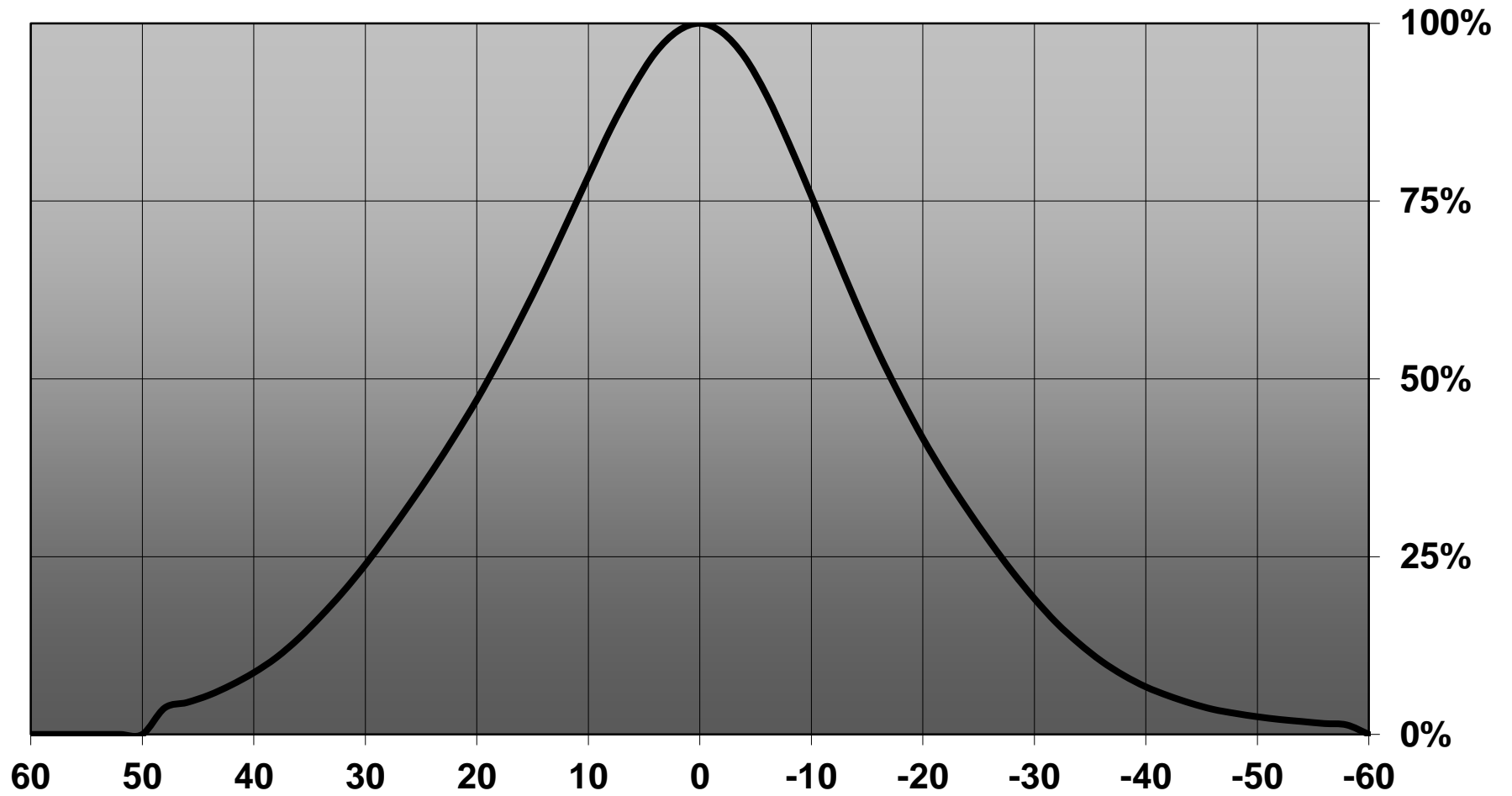
Relative intensity of CN13907\_MIRELLA-50-W-PF-RZL\_(XQ-E\_HI\_RGBW)



Relative intensity of CN13907\_MIRELLA-50-W-PF-RZL\_(Duris\_S10)



Relative intensity of CN13907\_MIRELLA-50-W-PF-RZL\_(Osram\_Stage\_S2WP)



D

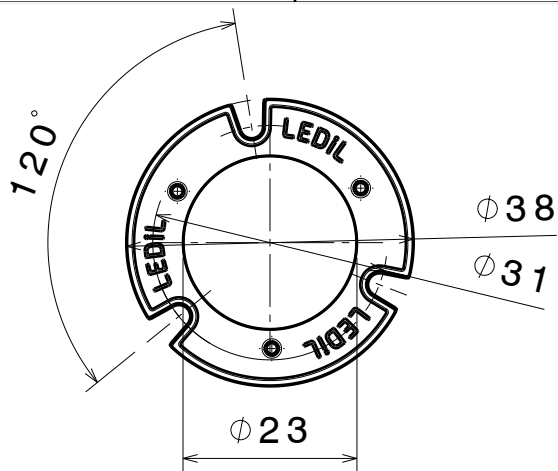
C

B

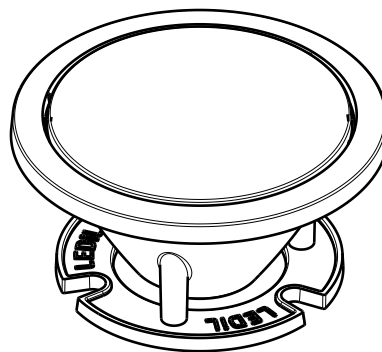
A

NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.

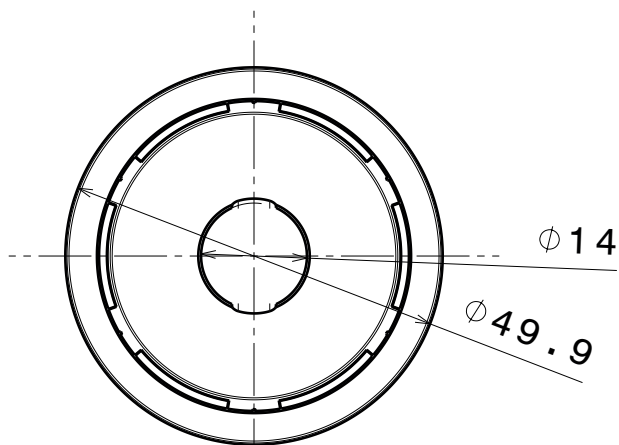
[http://www.delo.de/fileadmin/datasheet/DELO-PUR\\_9895\\_\(TIDB-GB\).pdf](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)



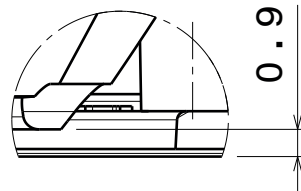
Front view



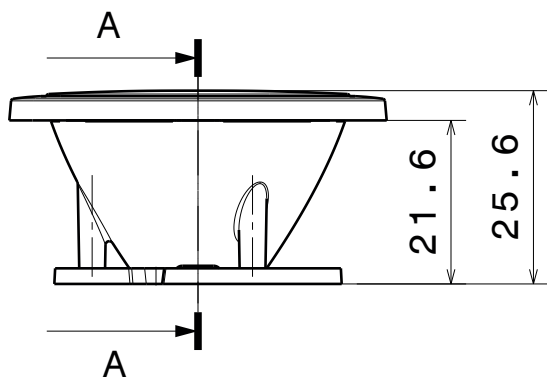
Isometric view



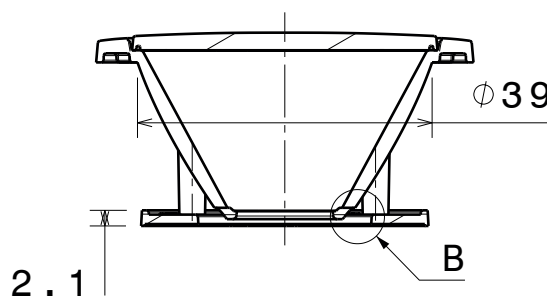
Top view



Detail B



Front view



Section view A-A

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

MIRELLA-PF-RZL Datasheet

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SIZE PART NUMBER

A4

-

SCALE 1:1 WEIGHT

-

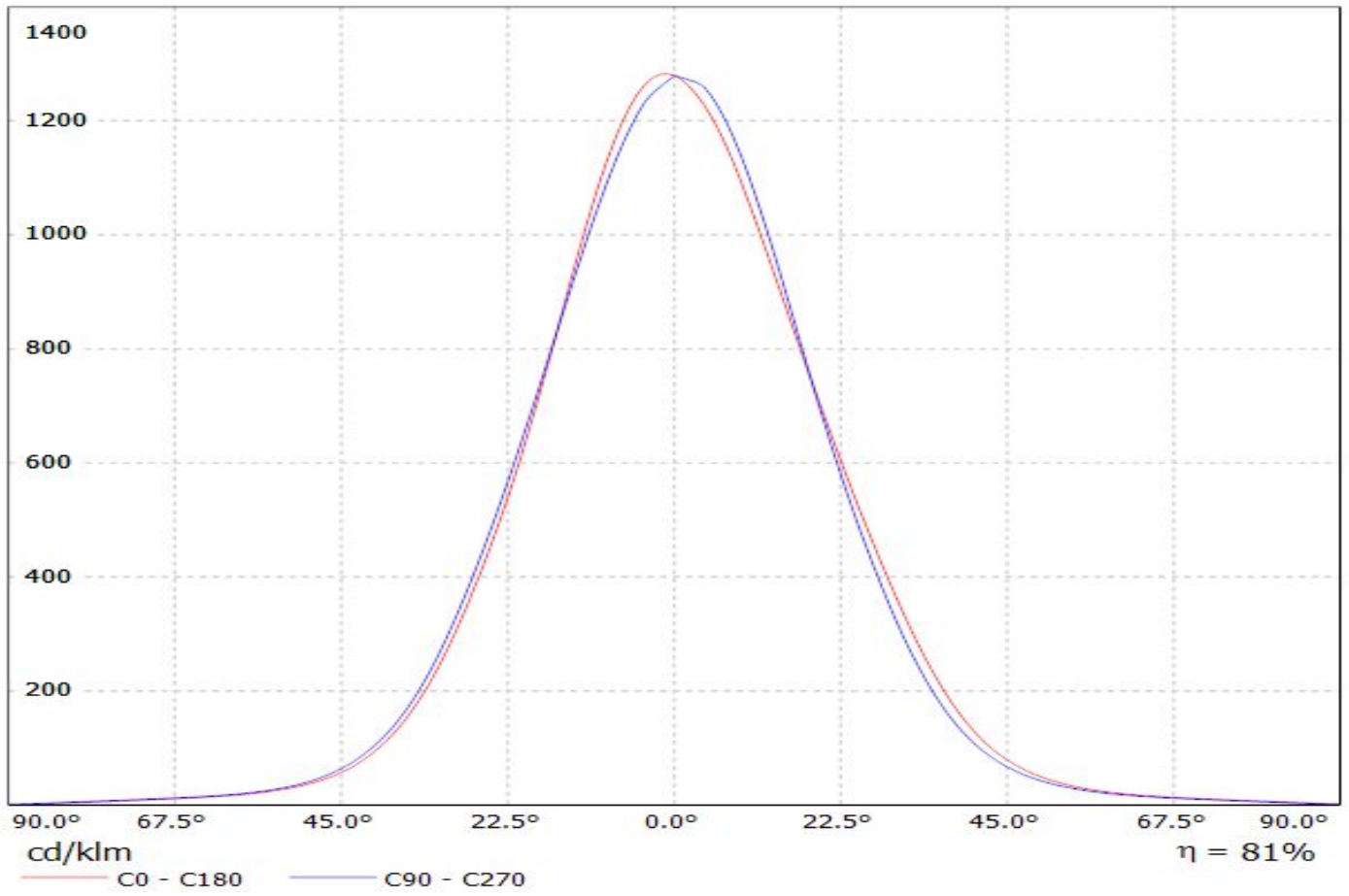
SHEET 1/1

D

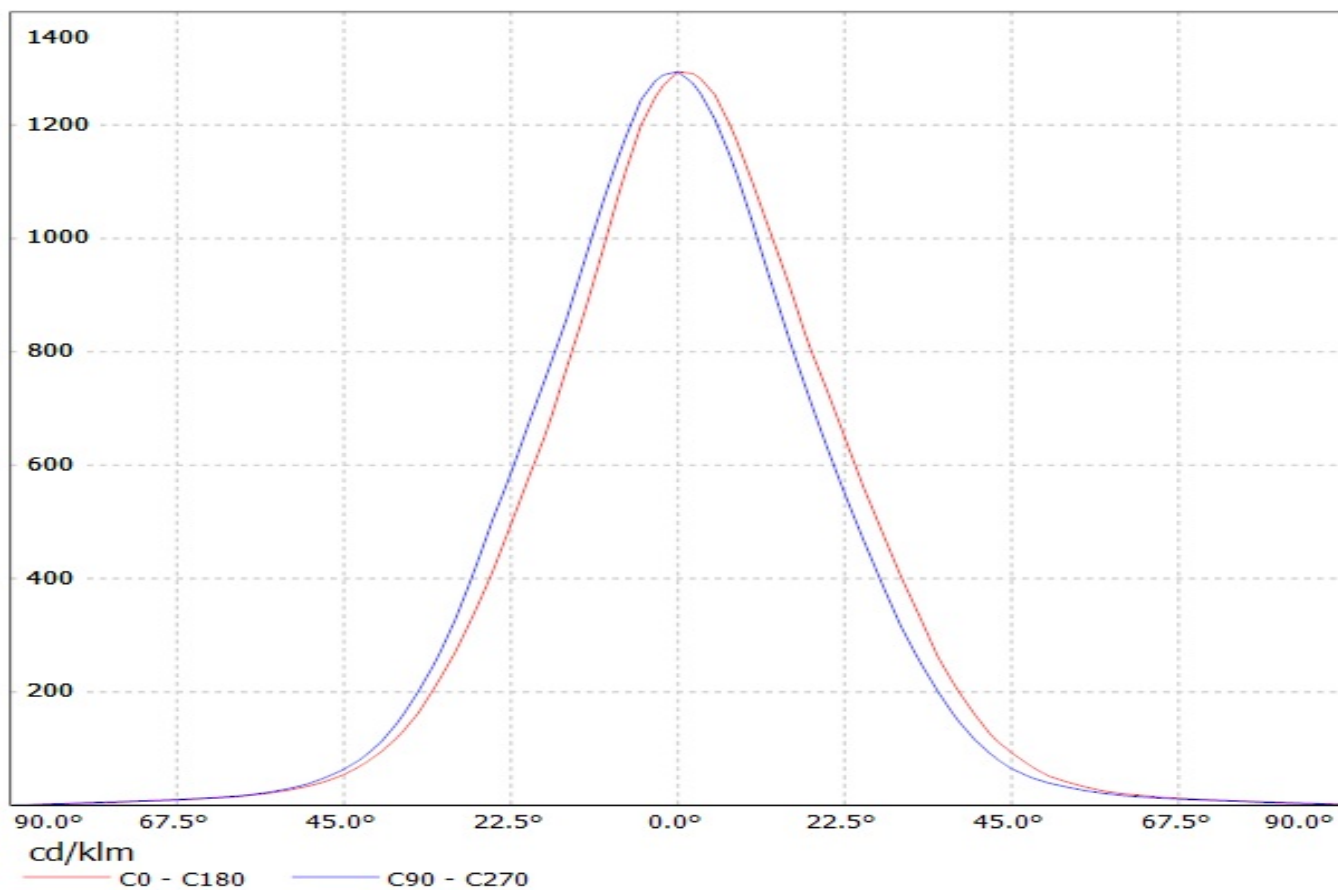
A

Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CLU700)

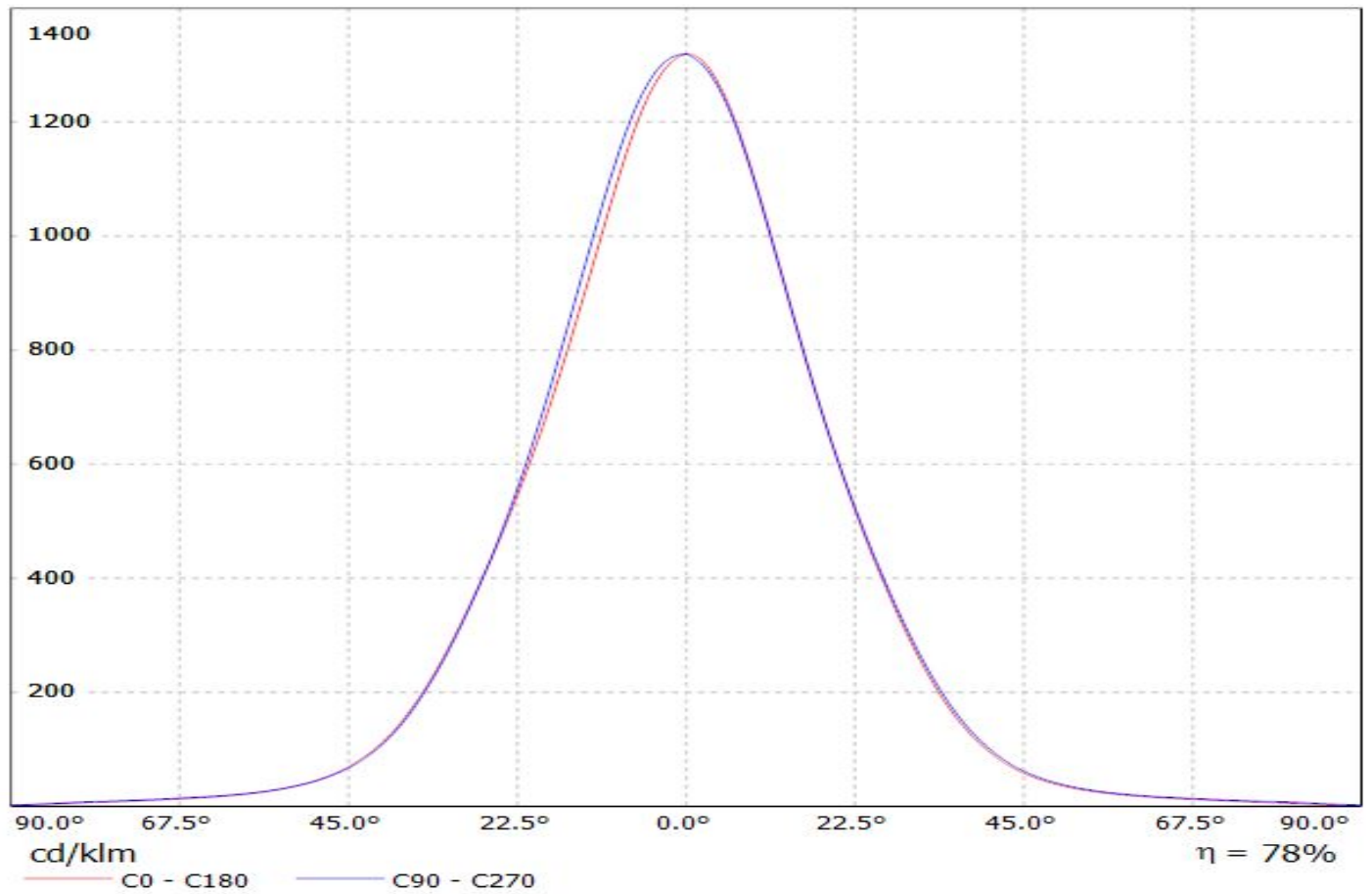
Lamps: 1 x Citizen\_CLU700\_(C13083\_PF-SOCKET)\_384.09lm@100mA\_P=2.90608W\_I=0.1044A



Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(XM-L\_RGB) Efficiency=80%  
Lamps: 1 x Cree XM-L RGB (206lm @ 250mA) CCT= P=2.8W I=250mA

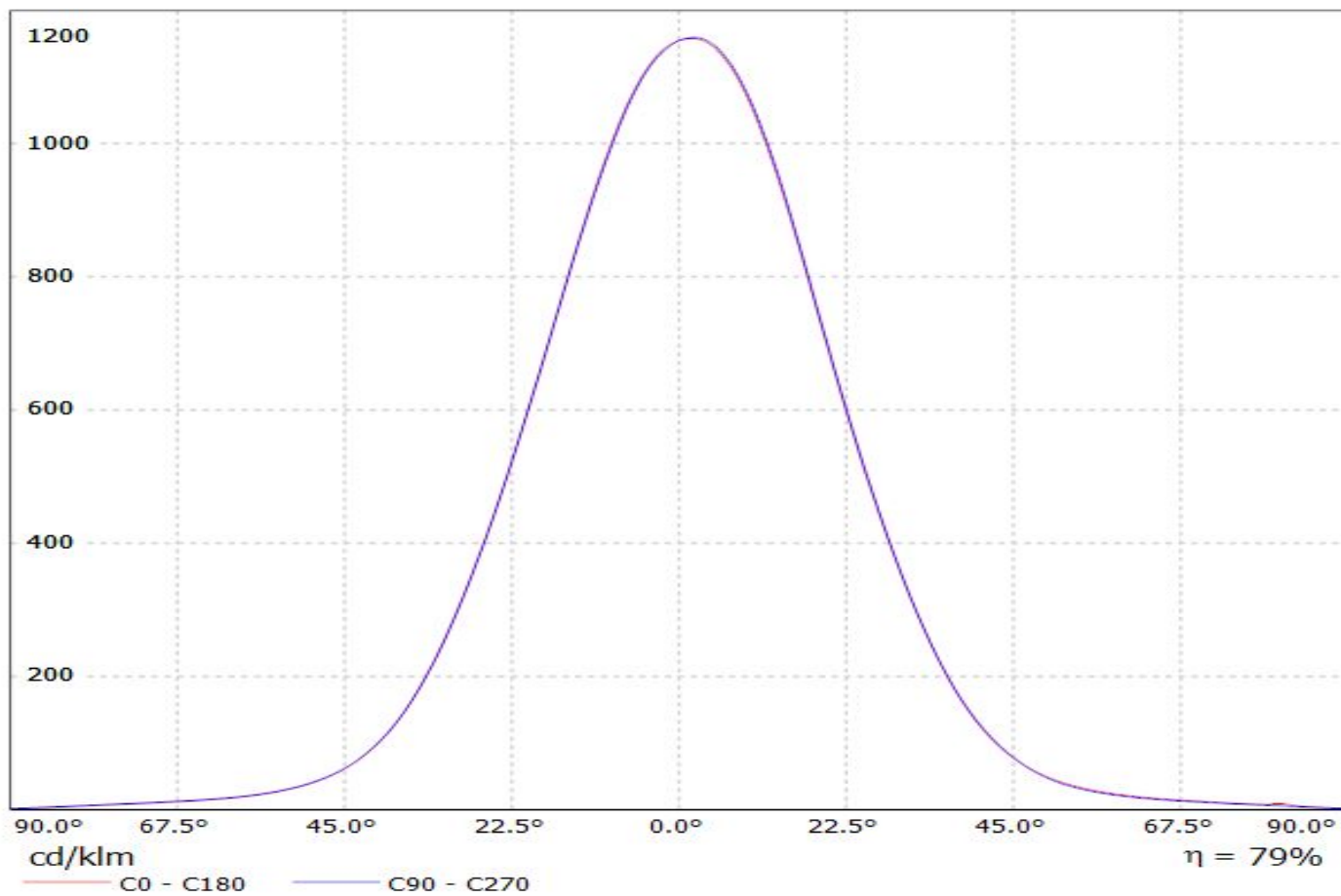


Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_I=0.2499A

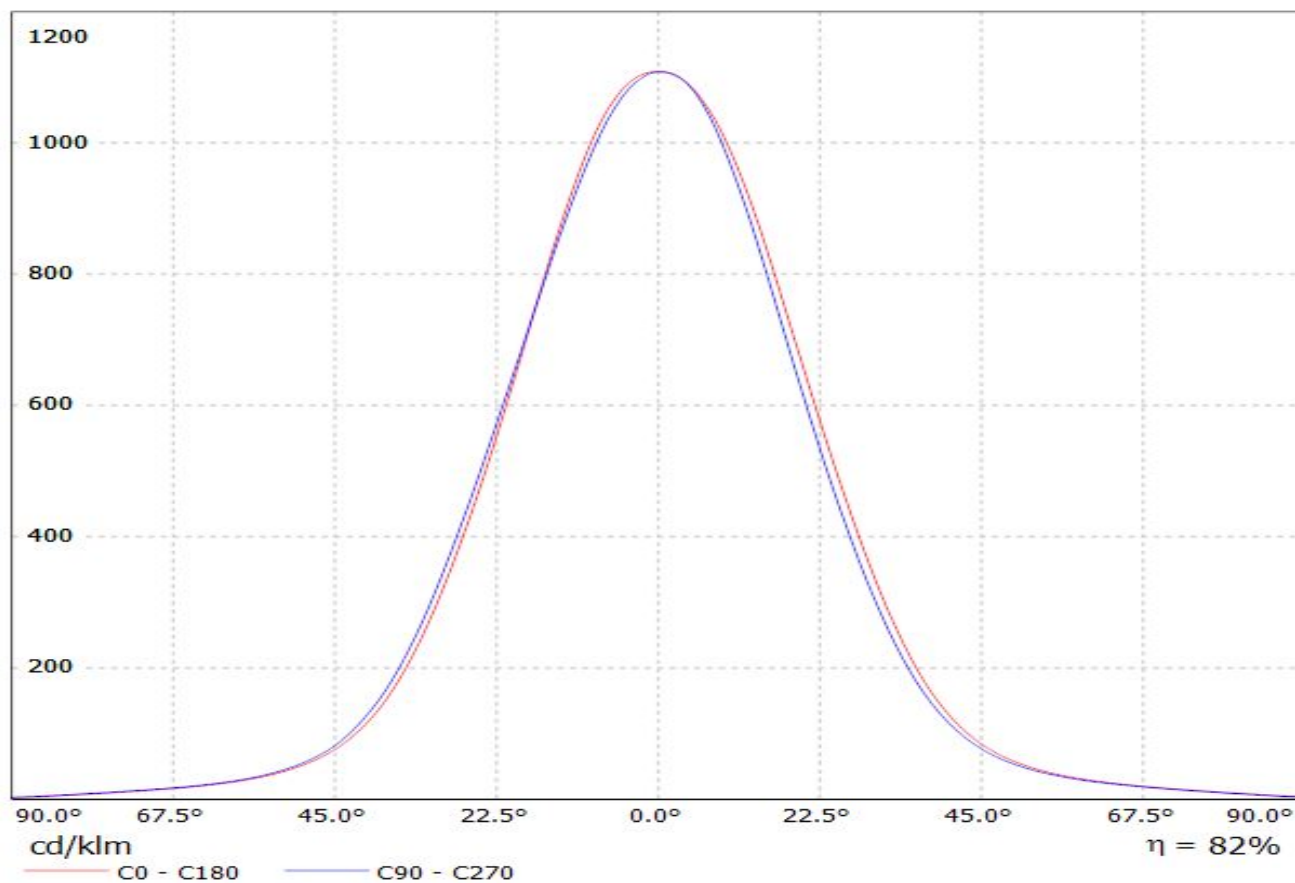




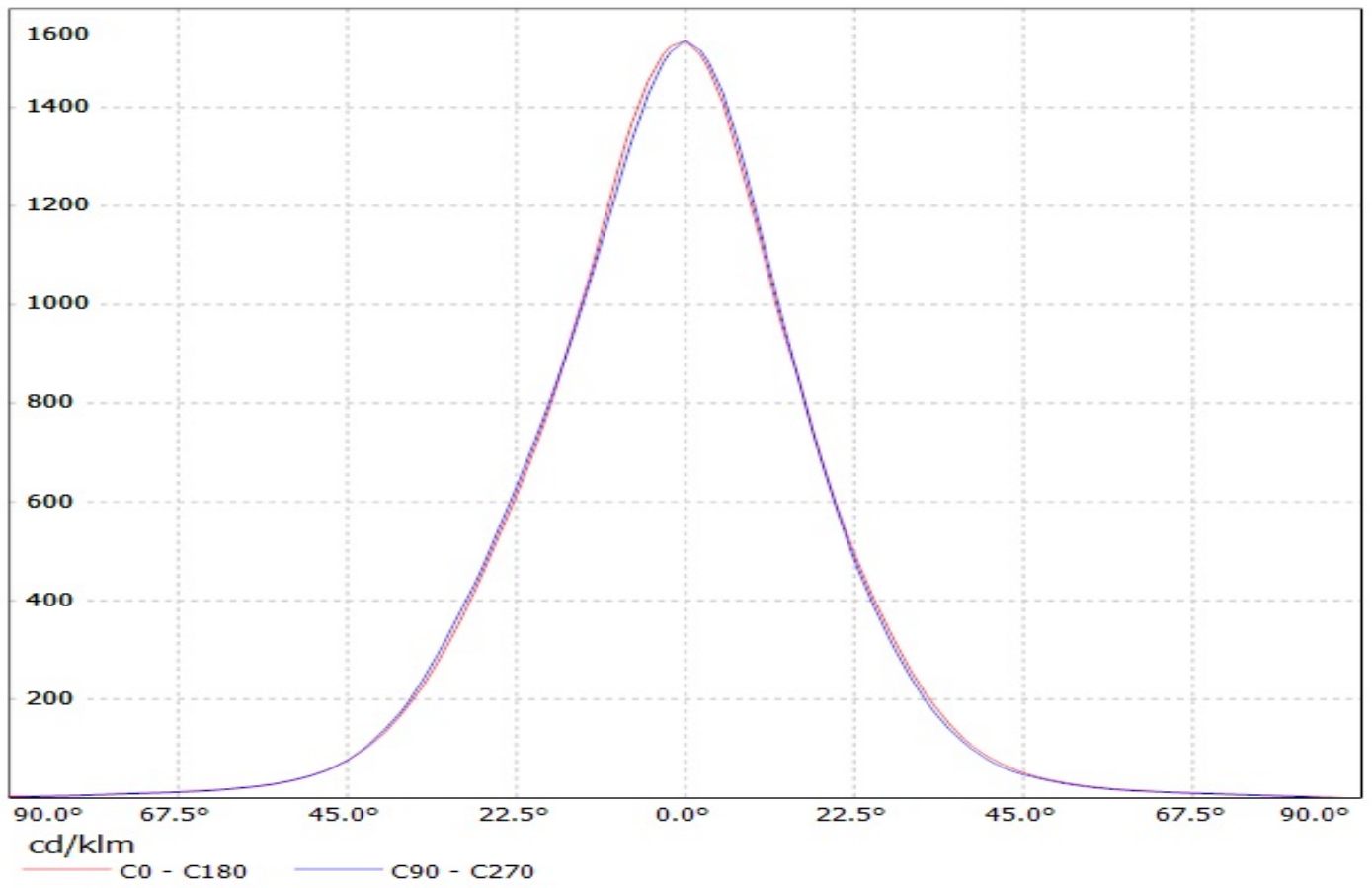
Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CREE\_XHP70)  
Lamps: 1 x CREE\_XHP70\_260.212lm@250mA\_P=1.383W\_I=0.2499A



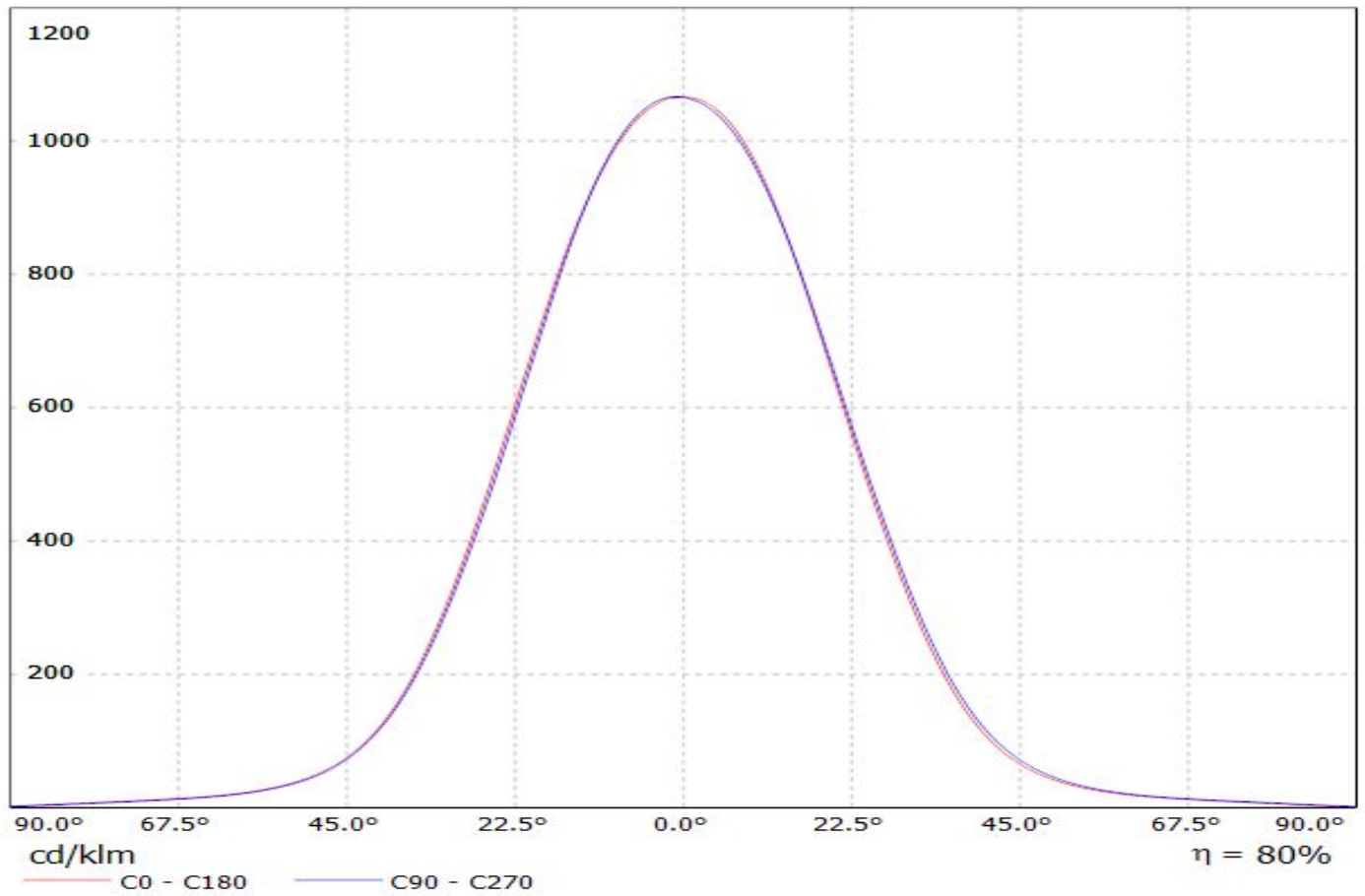
Luminaire: Ledil CN13907\_MIRELLA-50-W-PF-RZL\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



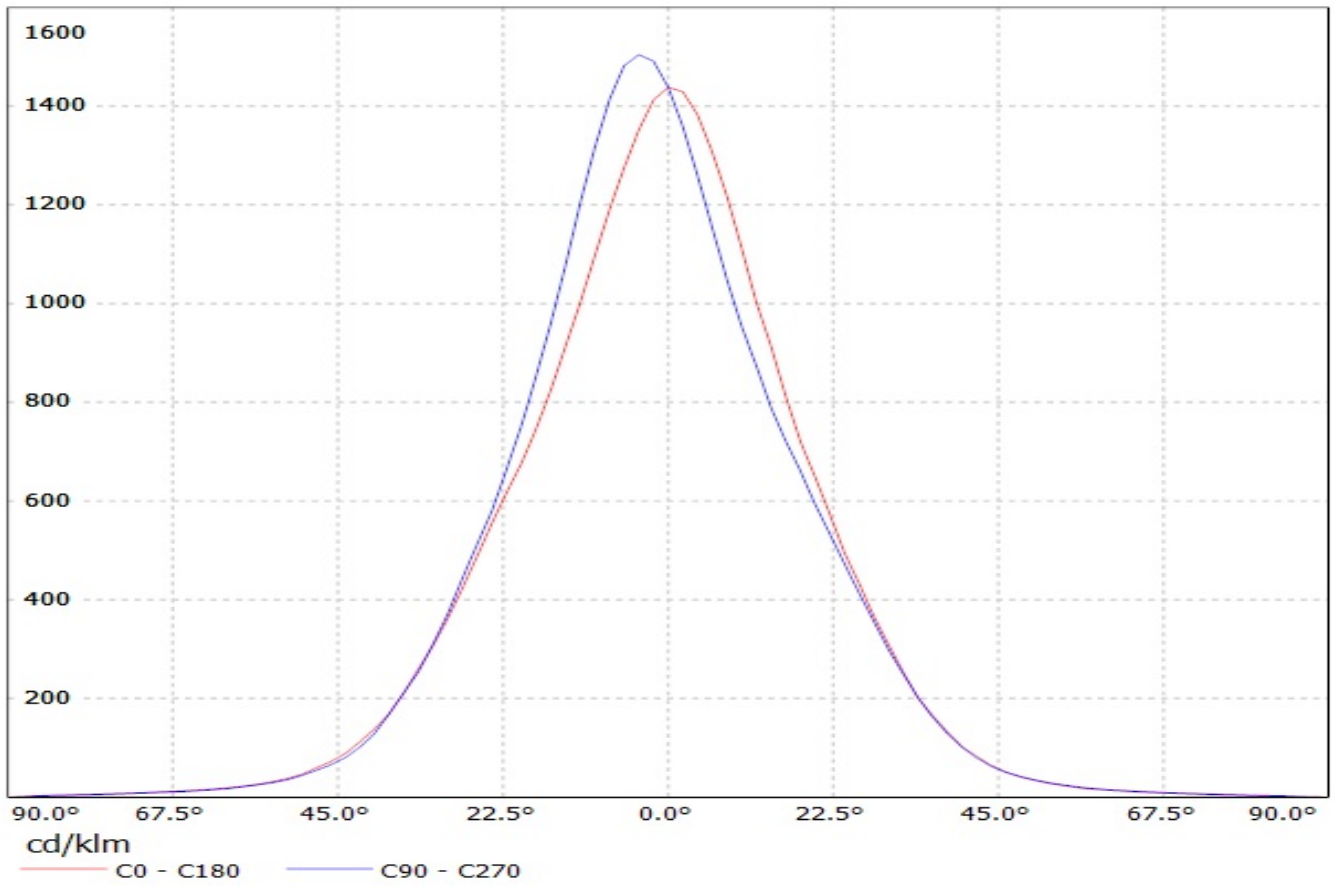
Luminaire: LEDil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Luxeon\_Z\_RGB) Efficiency=79%  
Lamps: 1 x Philips Lumileds Luzeon RGB (164lm @ 250mA) P=2.6W I=250mA



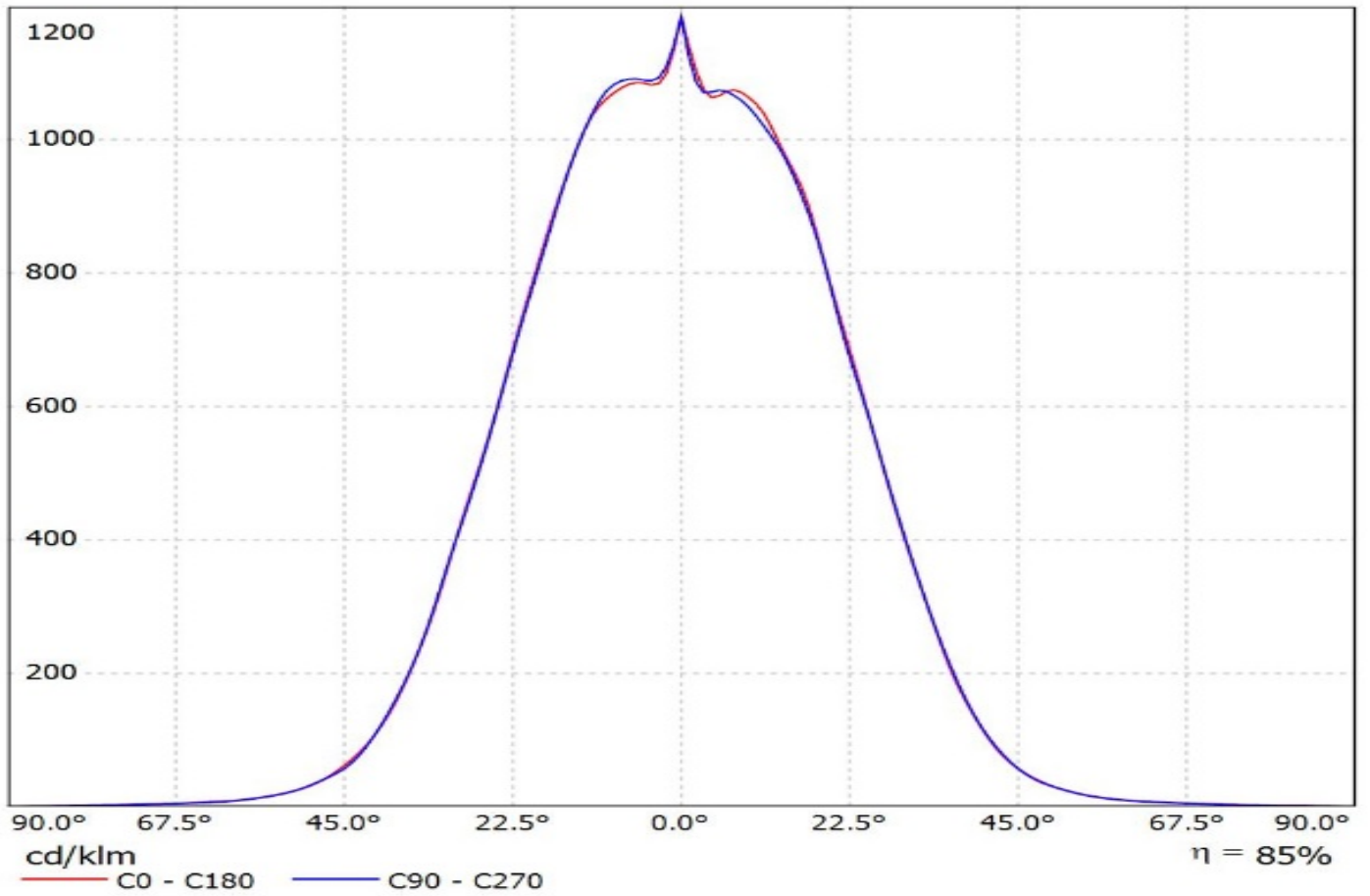
Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CXM-9)  
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_962.046lm@240mA\_P=8.29334W\_I=240mA



Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Ostar-SMT\_RGB) Efficiency=81%  
Lamps: 1 x Osram Ostar-SMT RGB (164lm @ 250mA) CCT= P=3.0W I=250mA

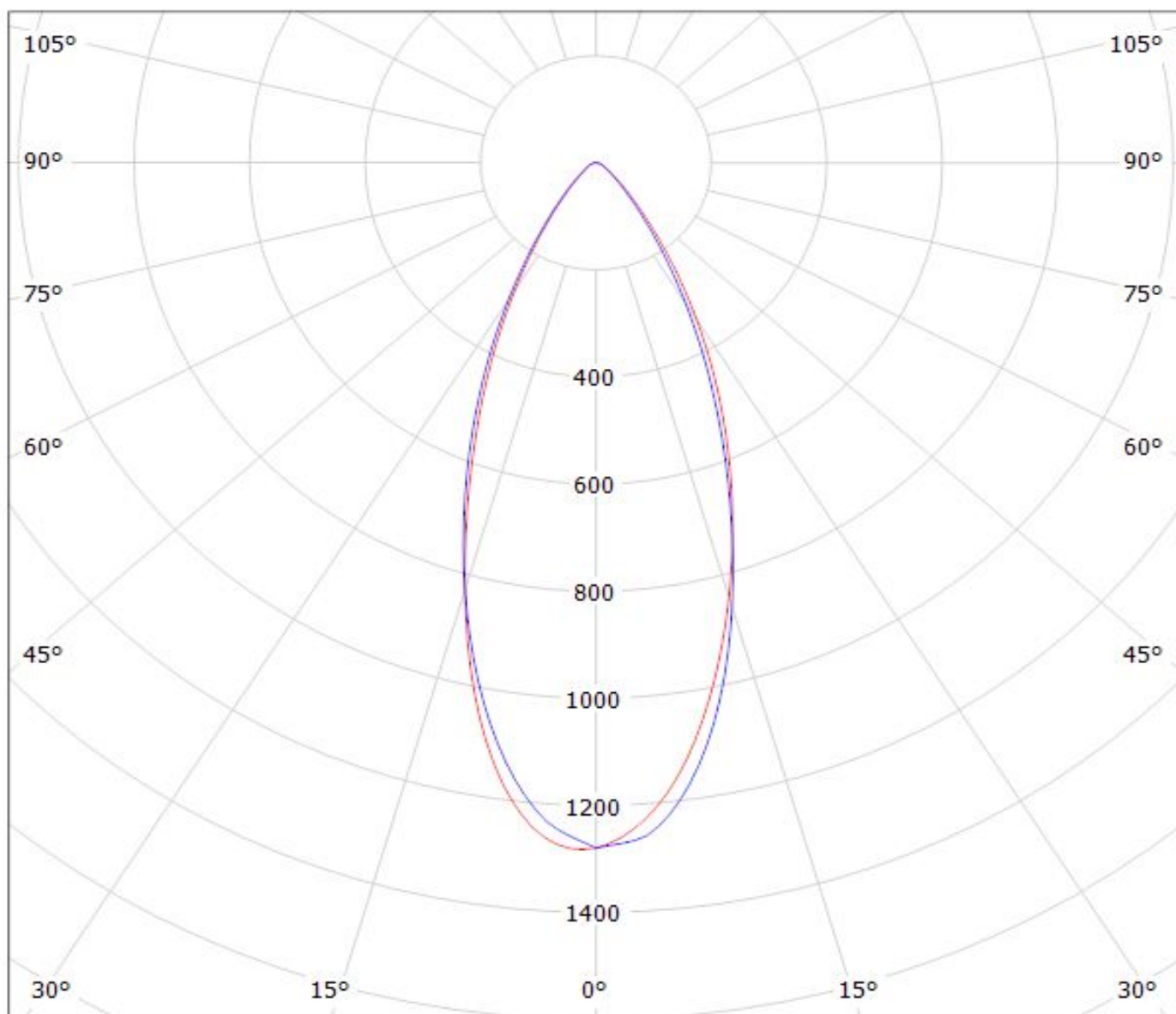


Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_(C13083\_PF-SOCKET)\_384.09lm@100mA\_P=2.90608W\_I=0.1044A



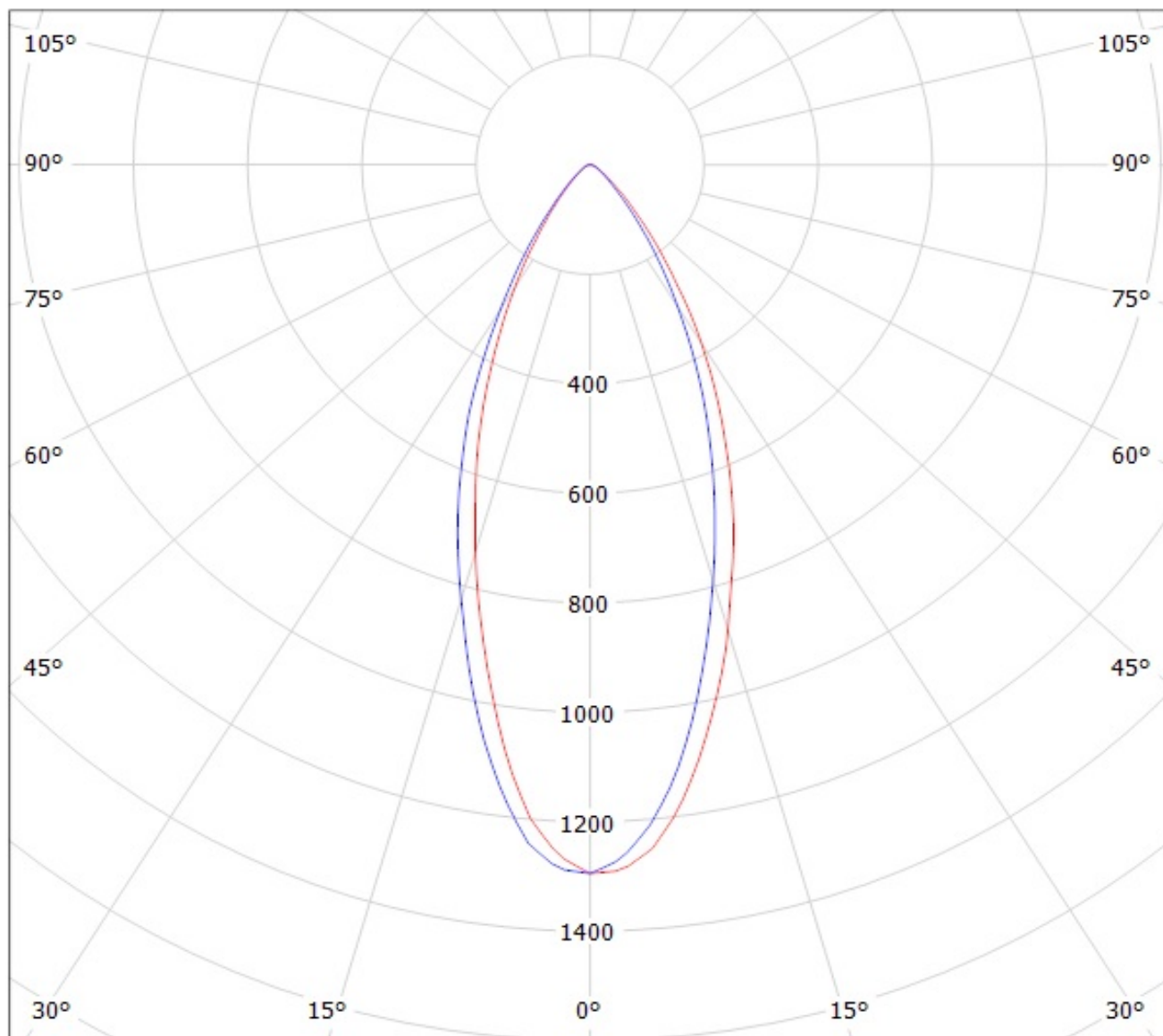
cd/klm

— C0 - C180

— C90 - C270

$\eta = 81\%$

Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(XM-L\_RGB) Efficiency=80%  
Lamps: 1 x Cree XM-L RGB (206lm @ 250mA) CCT= P=2.8W I=250mA



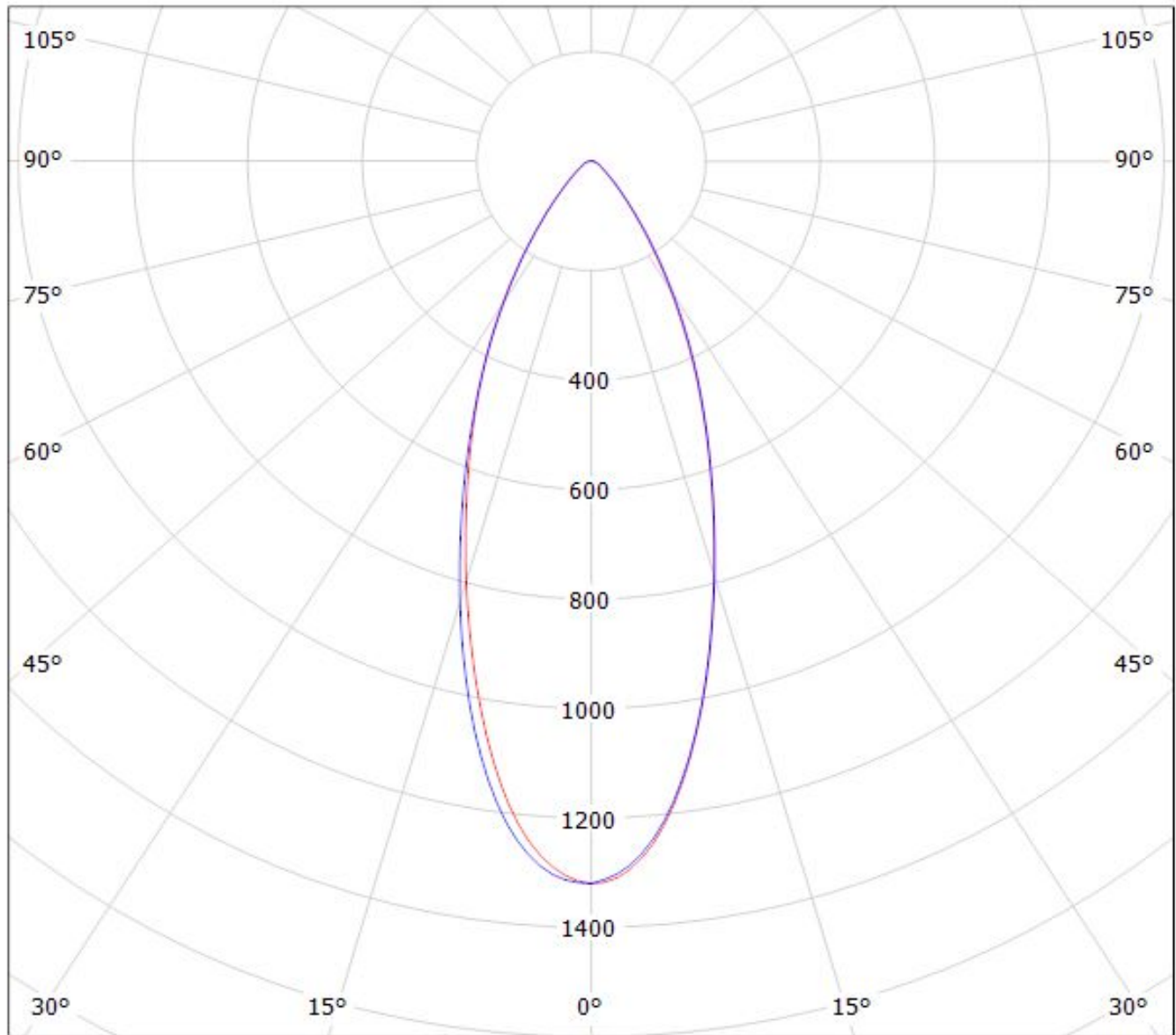
cd/klm

— C0 - C180

— C90 - C270



Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_I=0.2499A



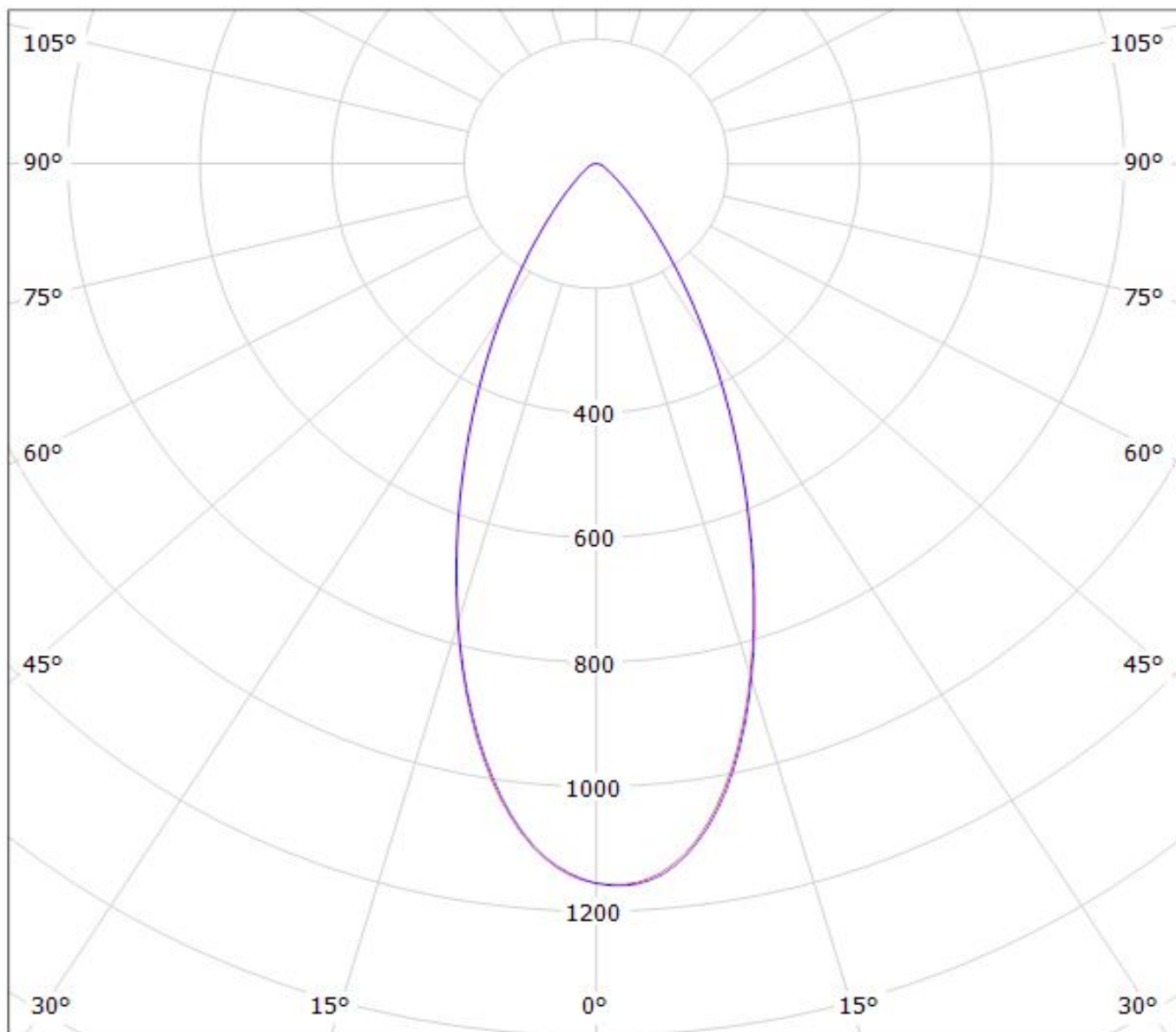
cd/klm

— C0 - C180

— C90 - C270

$\eta = 78\%$

Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CREE\_XHP70)  
Lamps: 1 x CREE\_XHP70\_260.212lm@250mA\_P=1.383W\_I=0.2499A



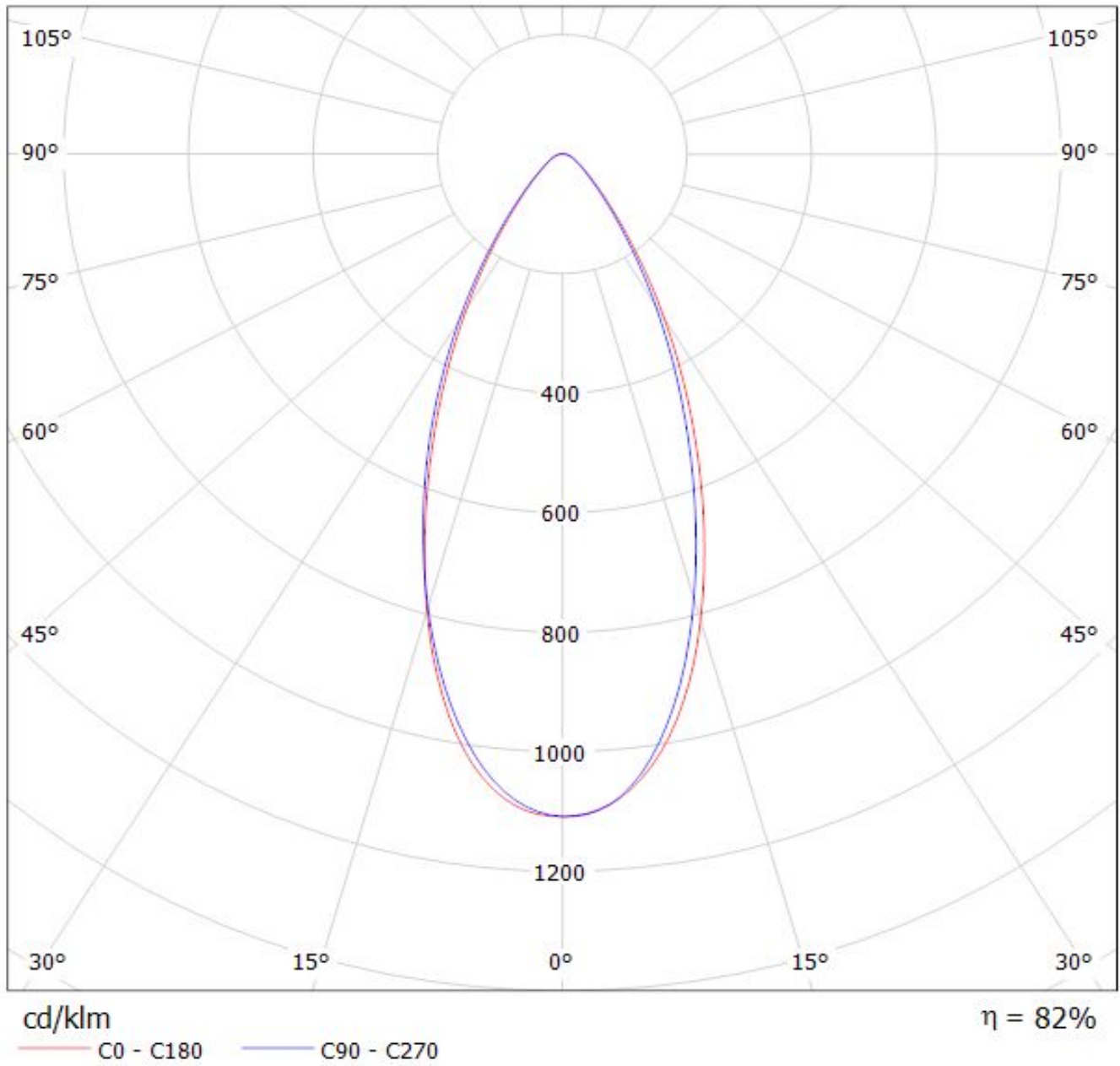
cd/klm

— C0 - C180

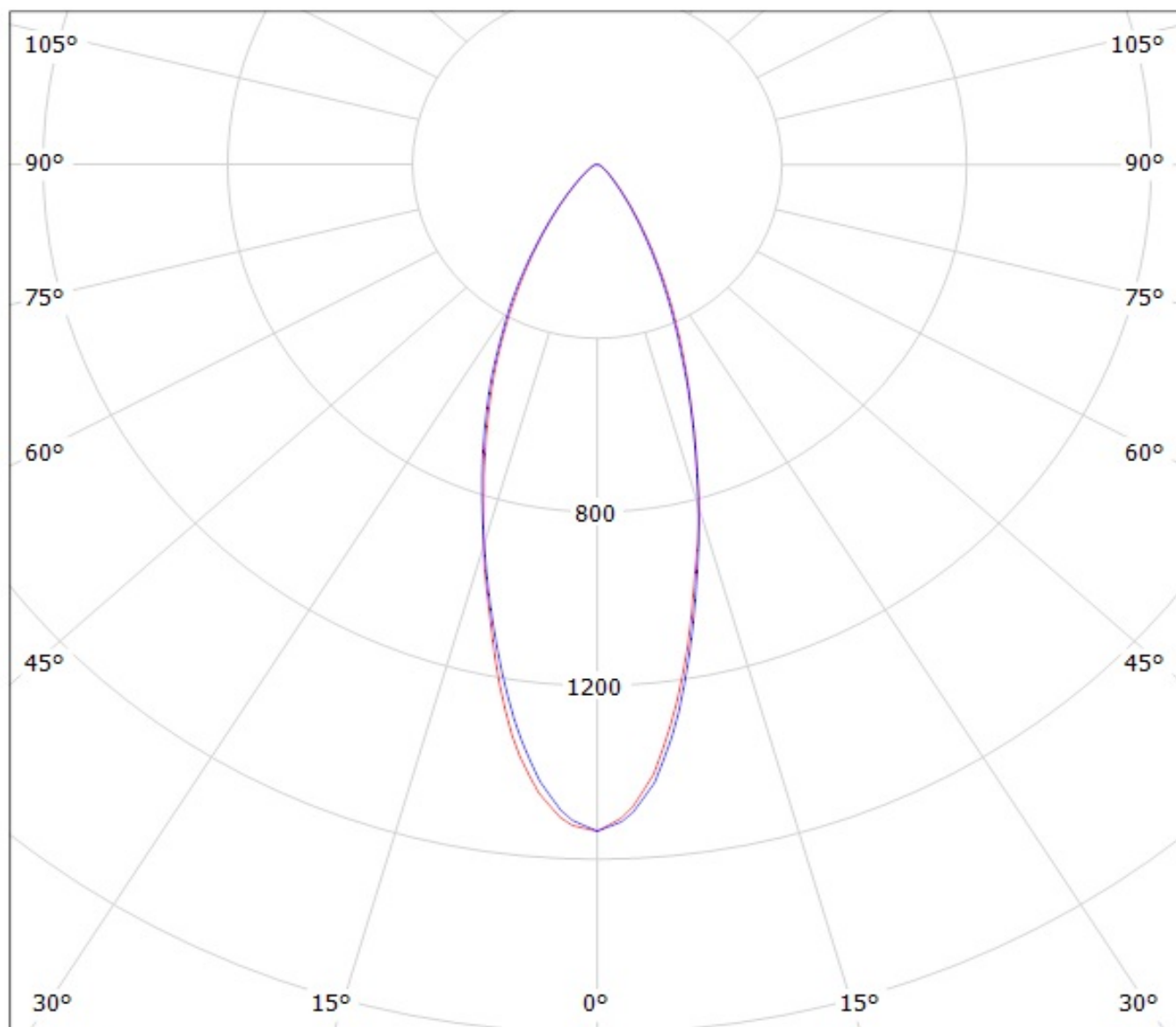
— C90 - C270

$\eta = 79\%$

Luminaire: Ledil CN13907\_MIRELLA-50-W-PF-RZL\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



Luminaire: LEDil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Luxeon\_Z\_RGB) Efficiency=79%  
Lamps: 1 x Philips Lumileds Luzeon RGB (164lm @ 250mA) P=2.6W I=250mA



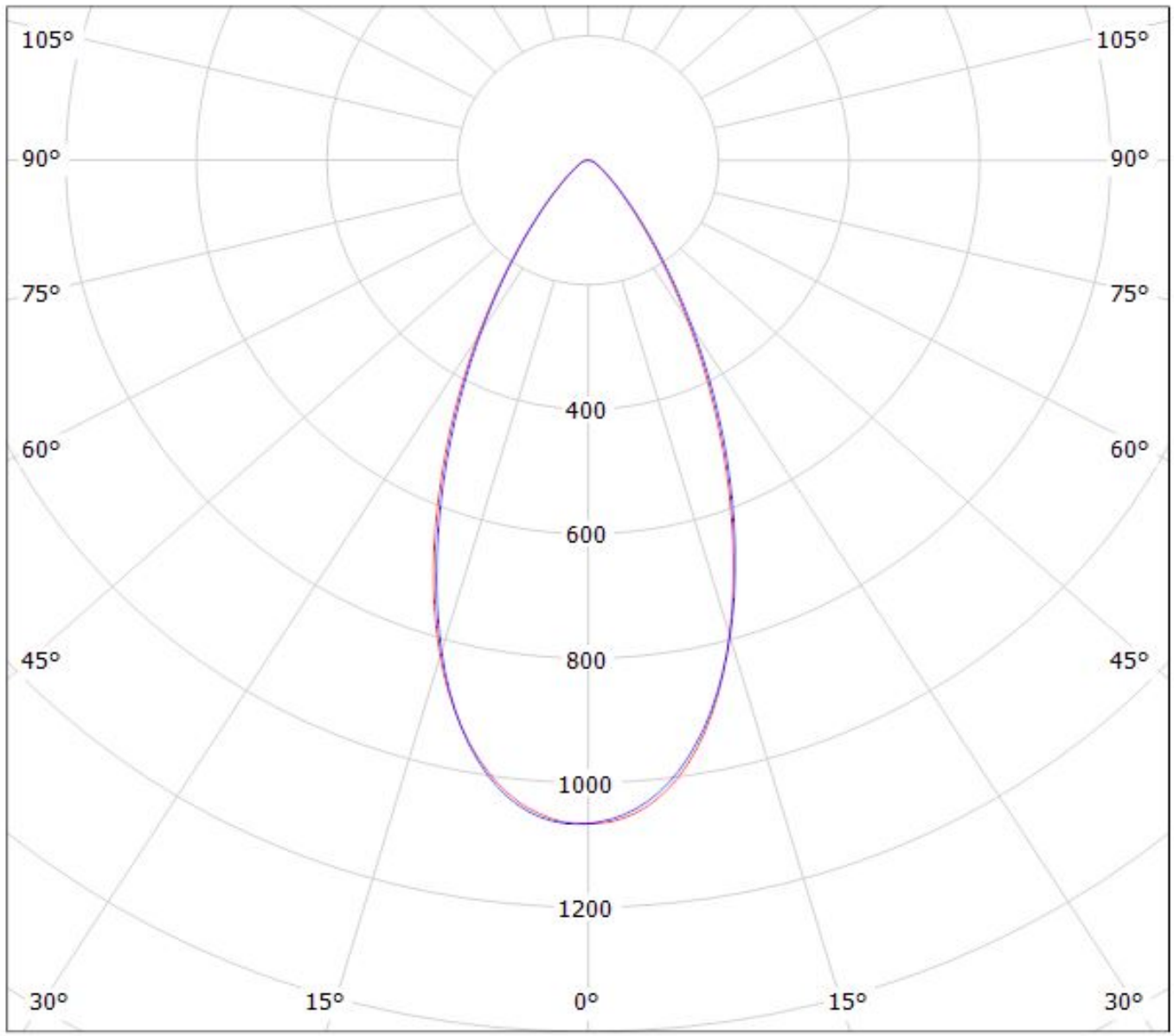
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN13907\_MIRELLA-50-W-PF-RZL\_(CXM-9)

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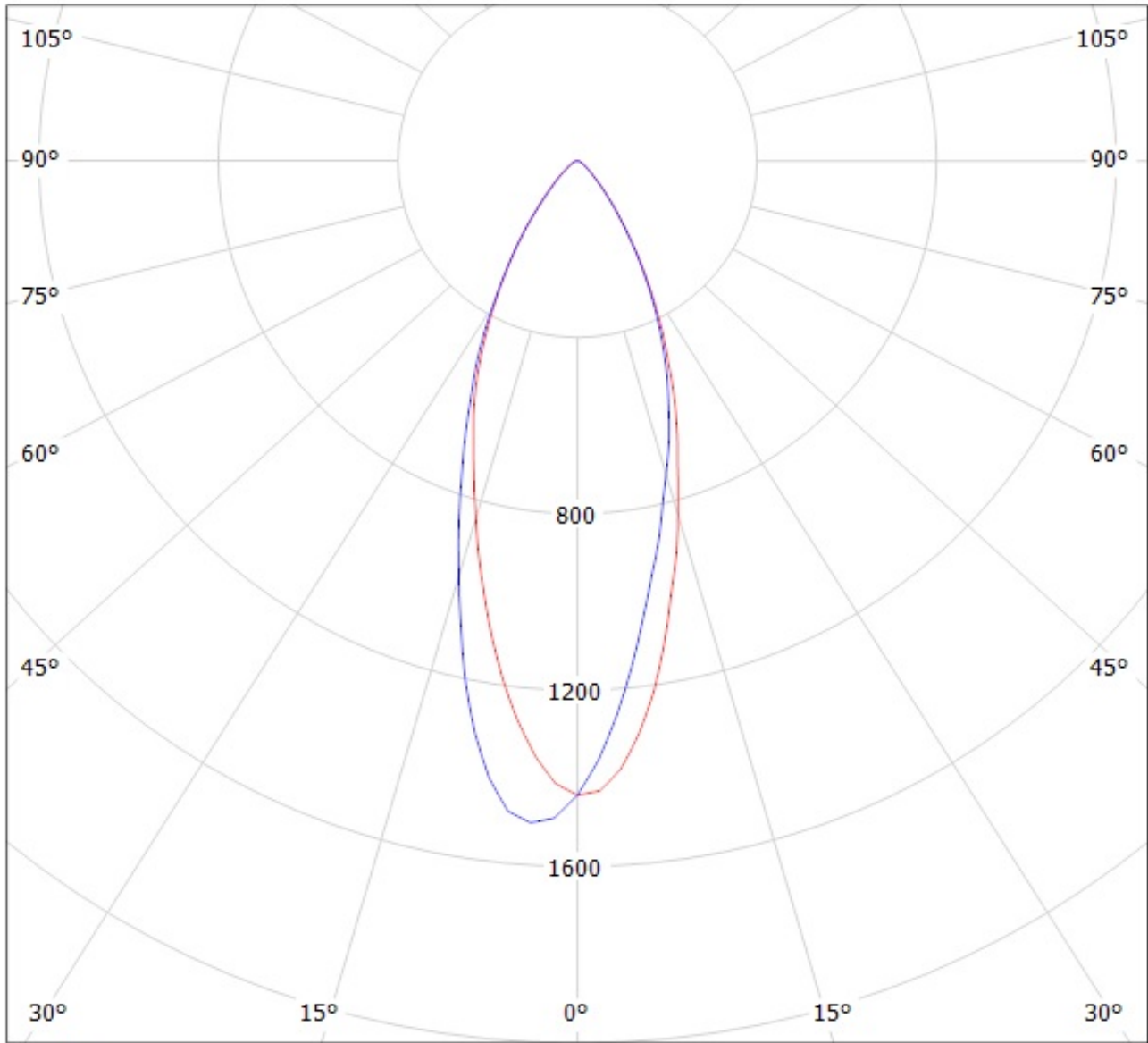


cd/klm

— C0 - C180    — C90 - C270

$\eta = 80\%$

Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Ostar-SMT\_RGB) Efficiency=81%  
Lamps: 1 x Osram Ostar-SMT RGB (164lm @ 250mA) CCT= P=3.0W I=250mA

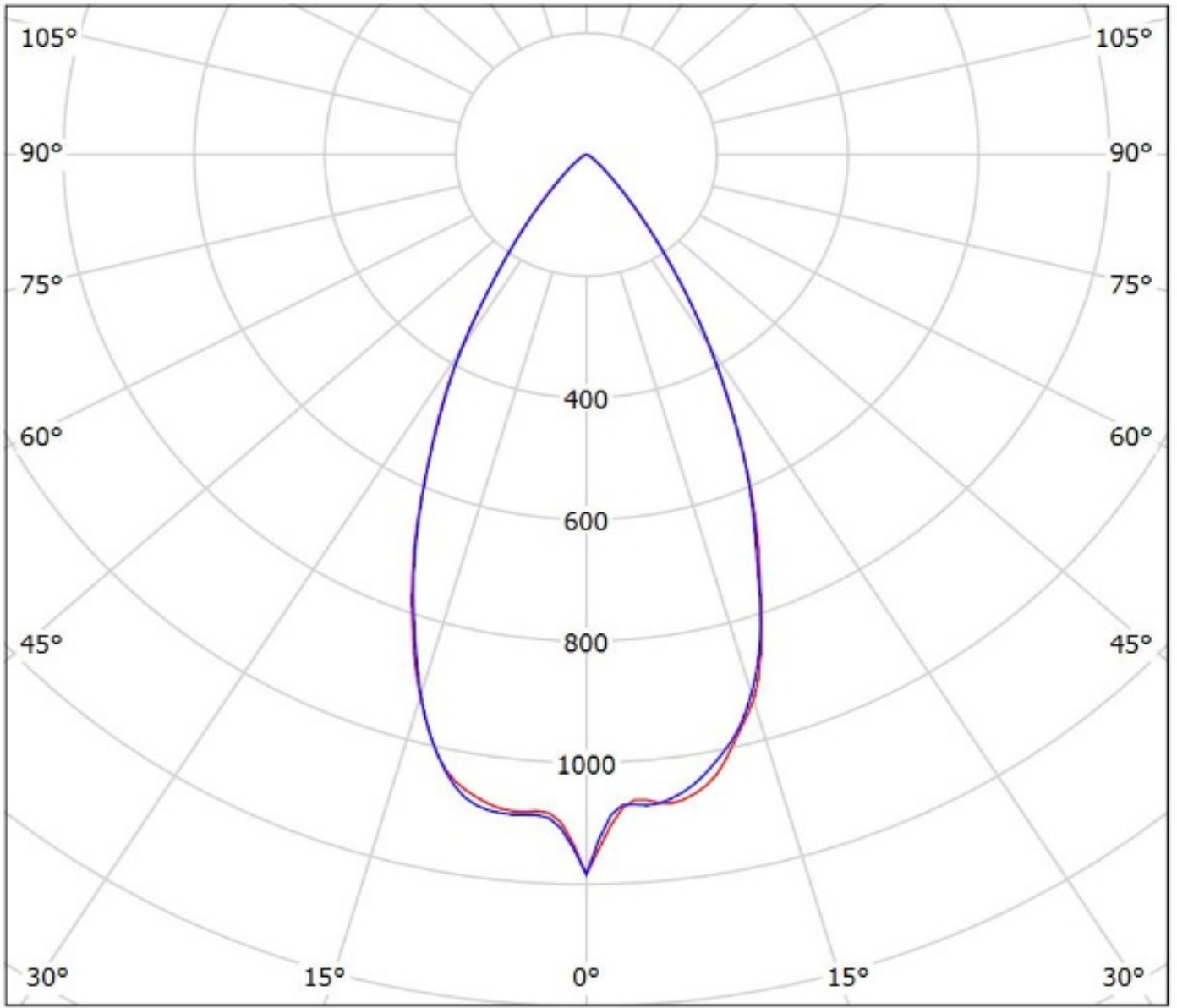


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN13907\_MIRELLA-50-W-PF-RZL\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 85\%$

**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.