



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



## DETAILS

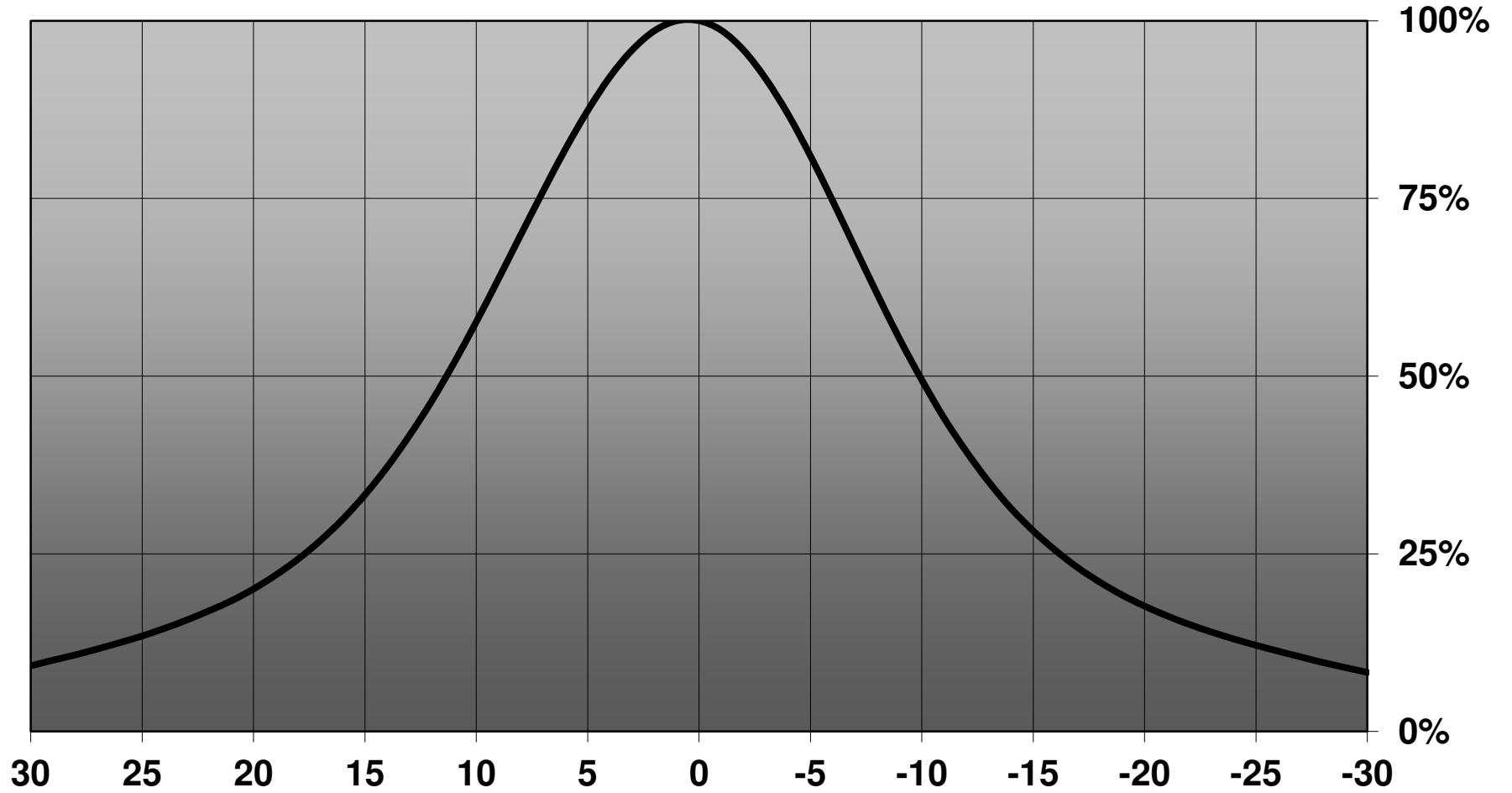
<b>Product Number</b>	CN13905_MIRELLA-50-S-PF-RZL
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	25,6 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	screw, socket
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	2/11/2016



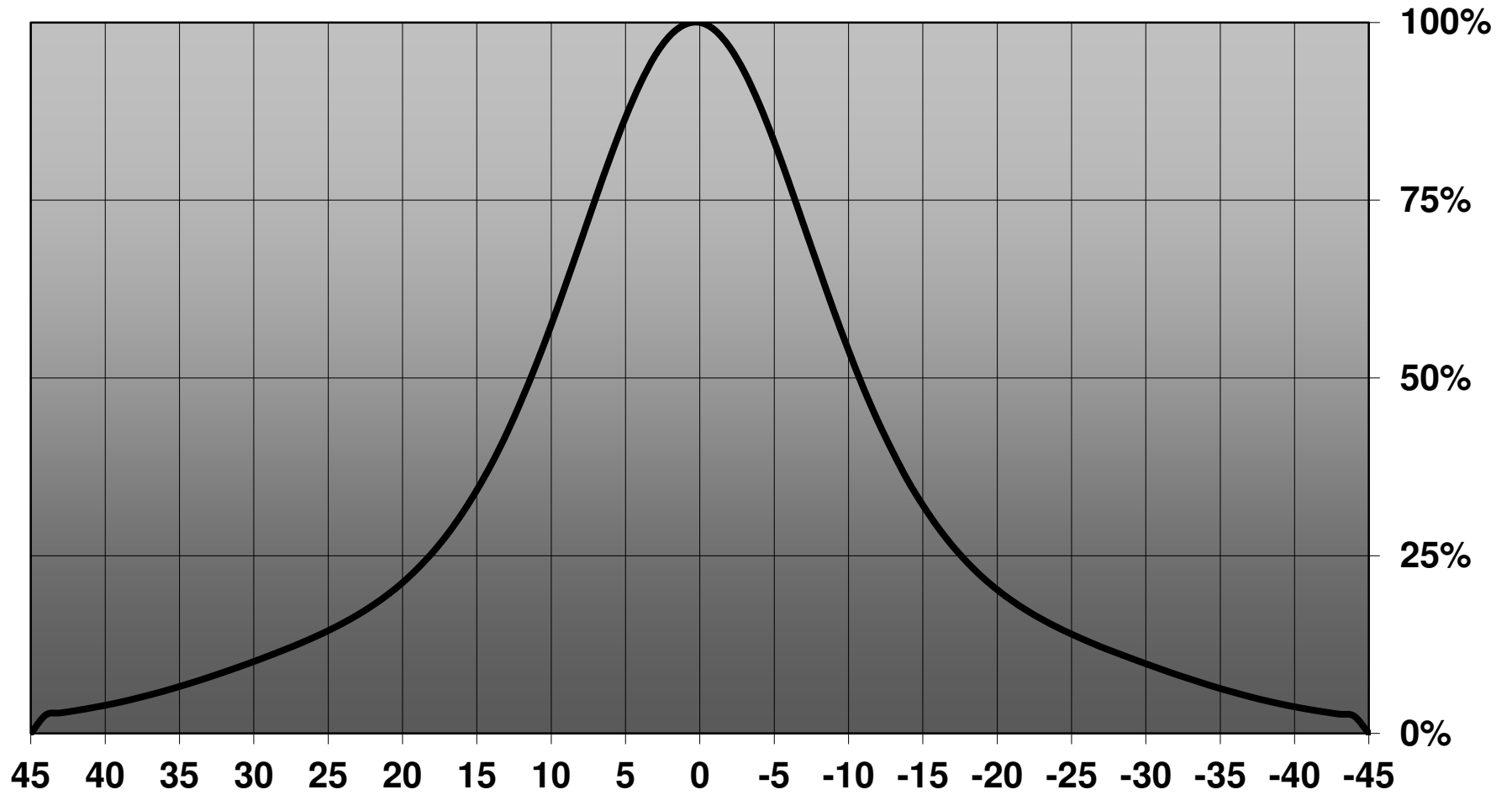
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
CLL02x/CLU02x (LES10)	25 deg	Spot	-	1.500	-
CLU700/701	23 deg	Spot	82 %	2.500	-
XM-L RGB	22 deg	Spot	80 %	3.060	-
XHP50	22 deg	Spot	81 %	2.600	-
XHP70	24 deg	Spot	81 %	2.400	-
MHD-E/G	24 deg	Spot	84 %	2.300	-
XQ-E HI RGBW	21 deg	Spot	86 %	3.140	-
LUXEON Z RGB	21 deg	Spot	78 %	3.200	-
CXM-9	30 deg	Spot	81 %	1.800	-
Ostar-SMT RGB	20 deg	Spot	82 %	3.400	-
Duris S10	22 deg	Spot	82 %	3.000	LEDiL: LEDiL
OSTAR Stage (S2WP)	21 deg	Spot	83 %	3.340	LEDiL: LEDiL

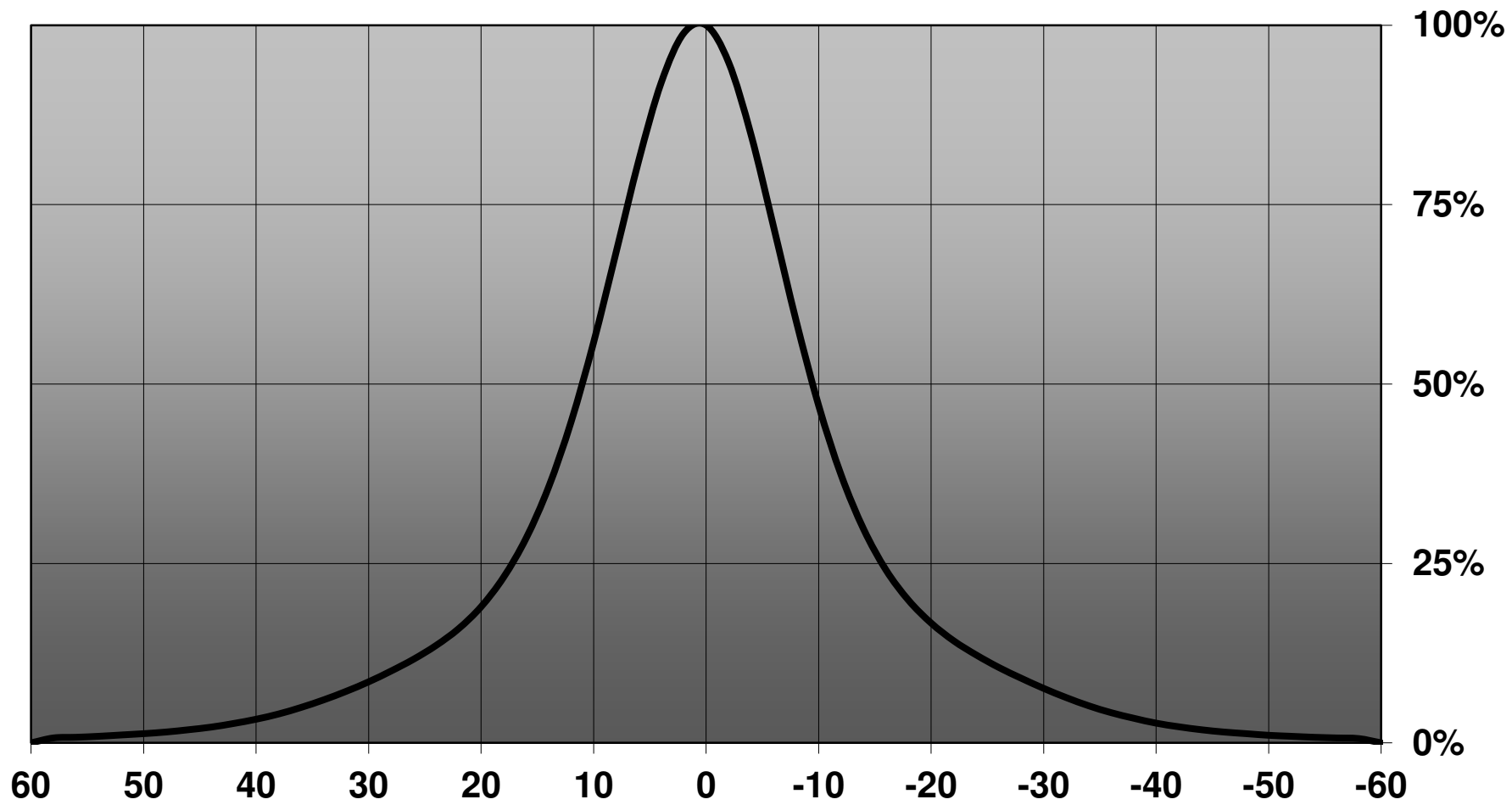
Relative intensity of CN13905\_MIRELLA-50-S-PF-RZL\_(XQ-E\_HI\_RGBW)



Relative intensity of CN13905\_MIRELLA-50-S-PF-RZL\_(Duris\_S10)



Relative intensity of CN13905\_MIRELLA-50-S-PF-RZL\_(Osram\_Stage\_S2WP)



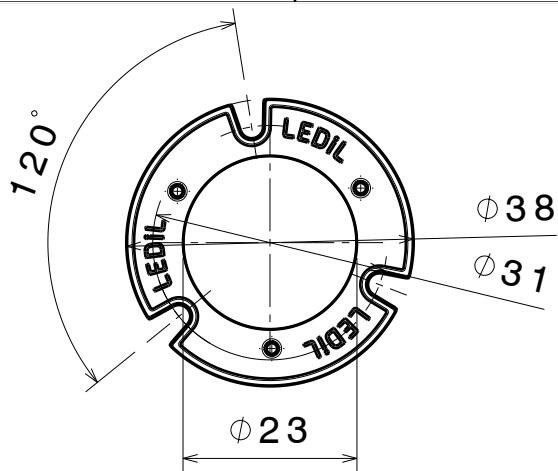
D

C

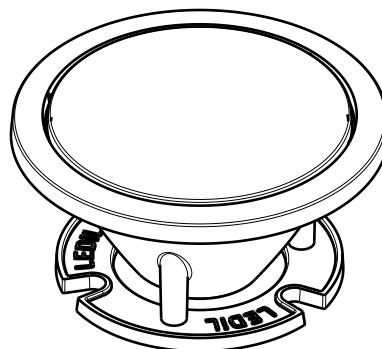
B

A

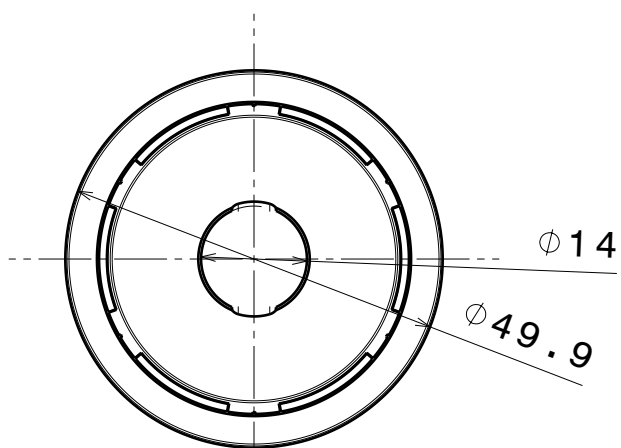
NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.  
[http://www.delo.de/fileadmin/datasheet/DELO-PUR\\_9895\\_\(TIDB-GB\).pdf](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)



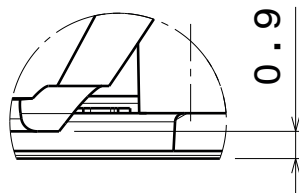
Front view



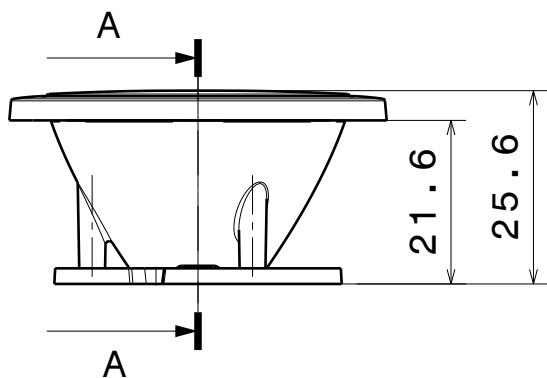
Isometric view



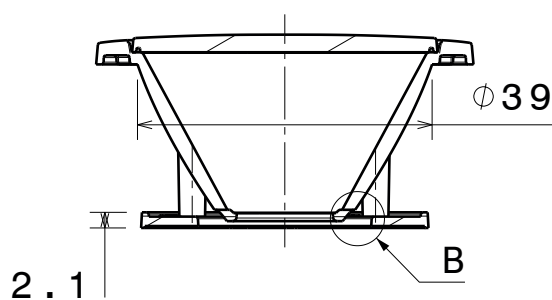
Top view



Detail B



Front view



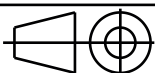
Section view A-A

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

This drawing is the property  
 of LEDiL Oy. It may not be  
 reproduced, copied or  
 communicated without a written  
 agreement with LEDiL Oy.

SIZE PART NUMBER

A4

-

SCALE 1:1 WEIGHT

-

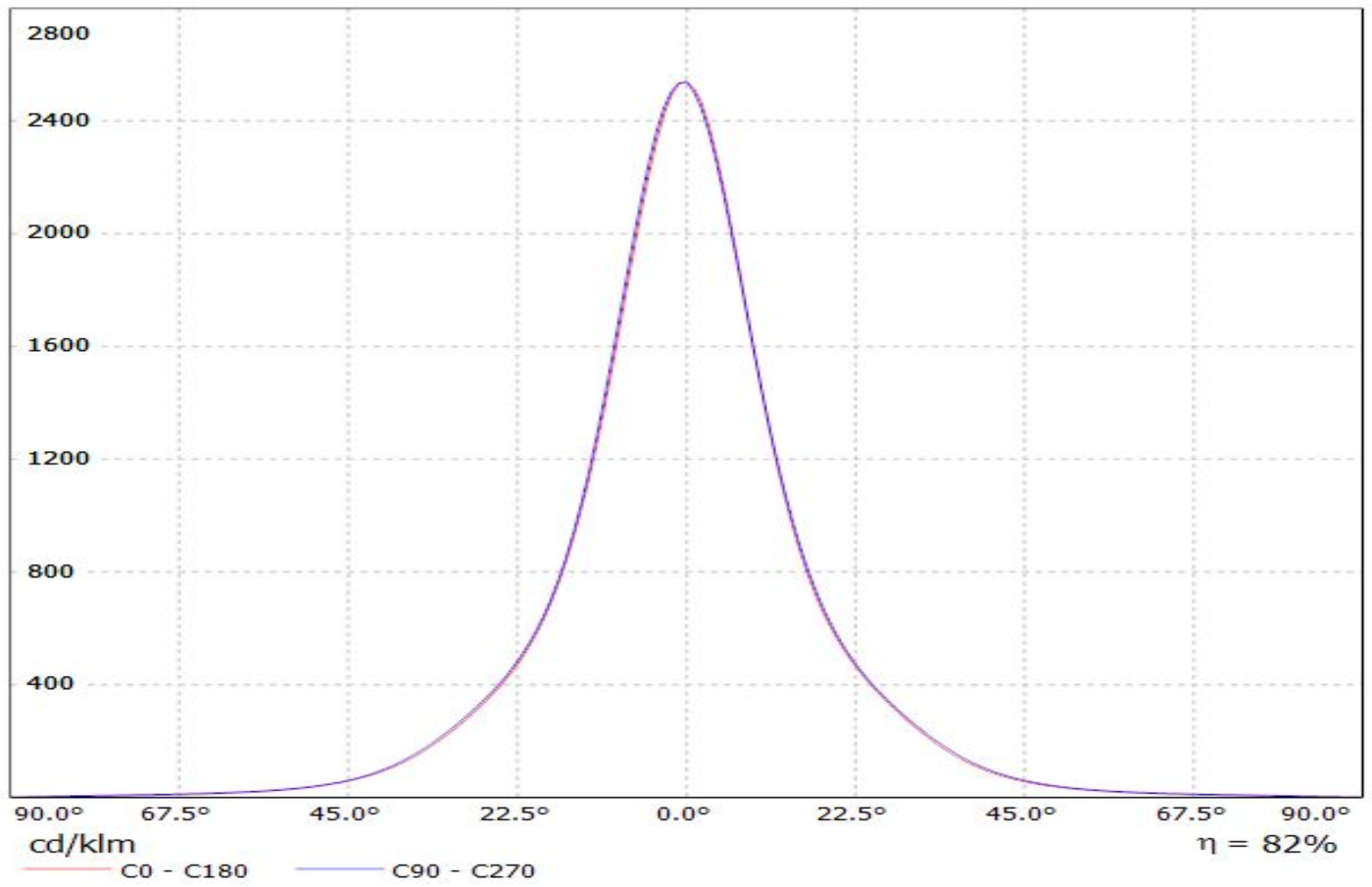
SHEET 1/1

D

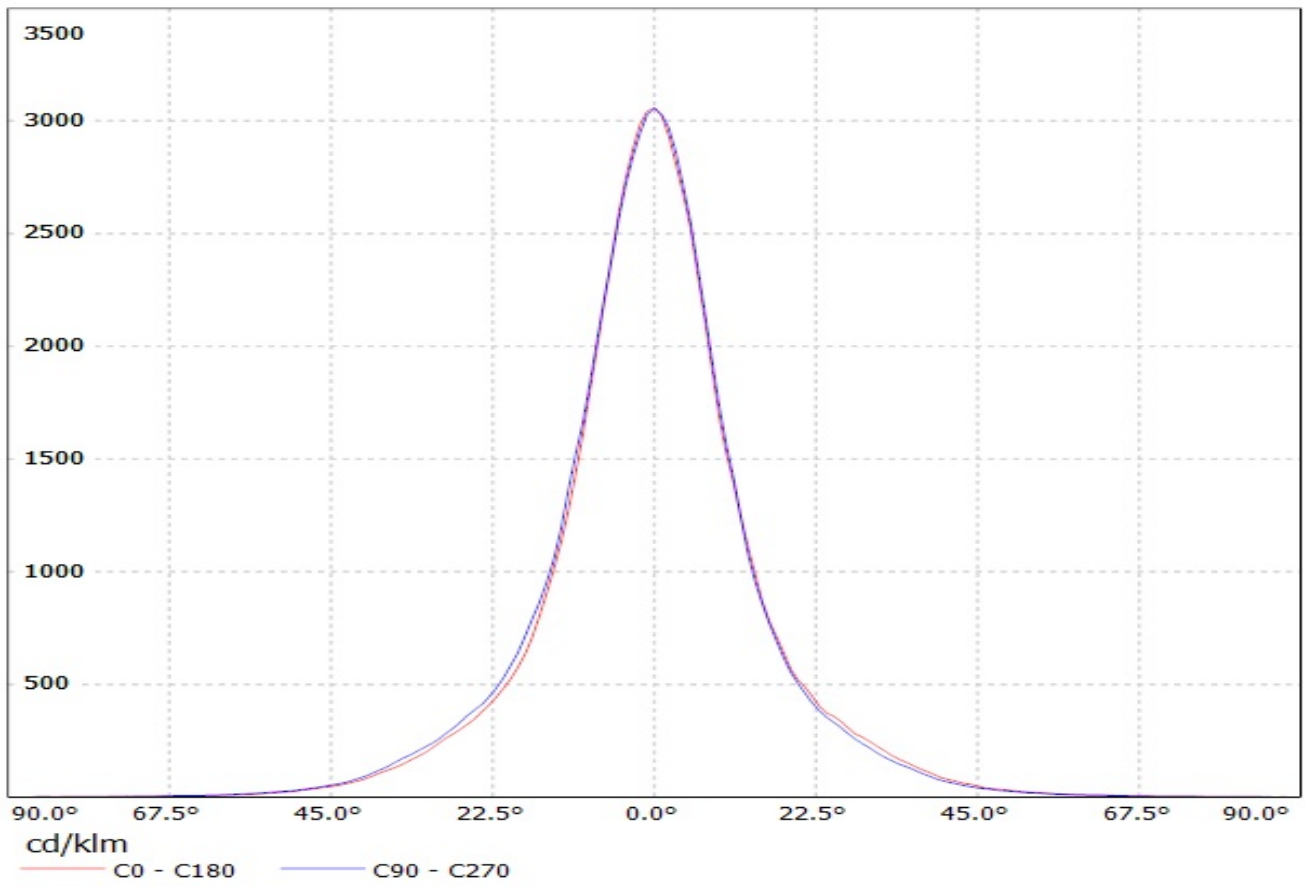
A

Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CLU700)

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

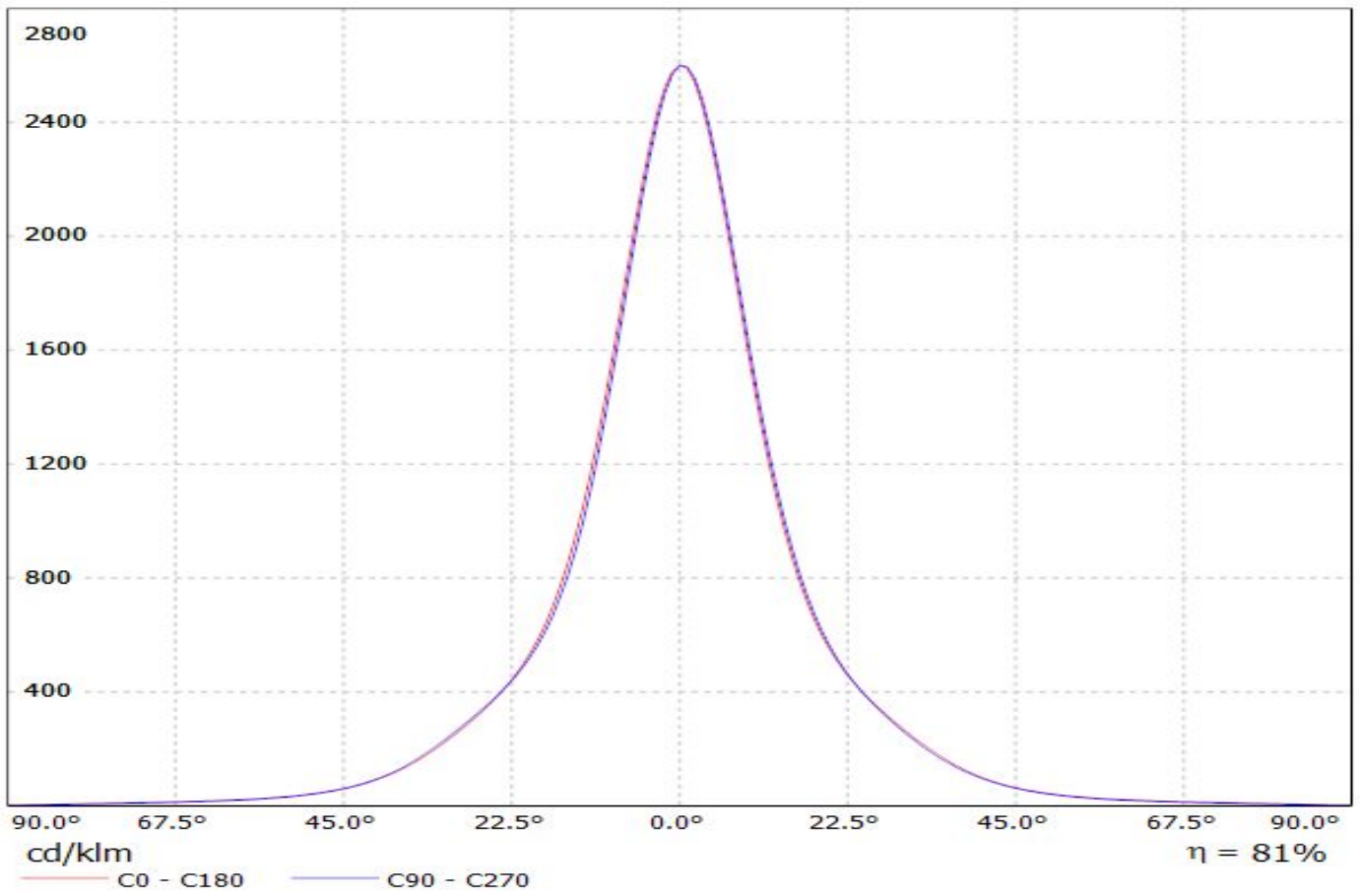


Luminaire: Ledil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(XM-L\_RGB) Efficiency=80%  
Lamps: 1 x Cree XM-L RGB (206lm @ 250mA) CCT= P=2.8W I=250mA

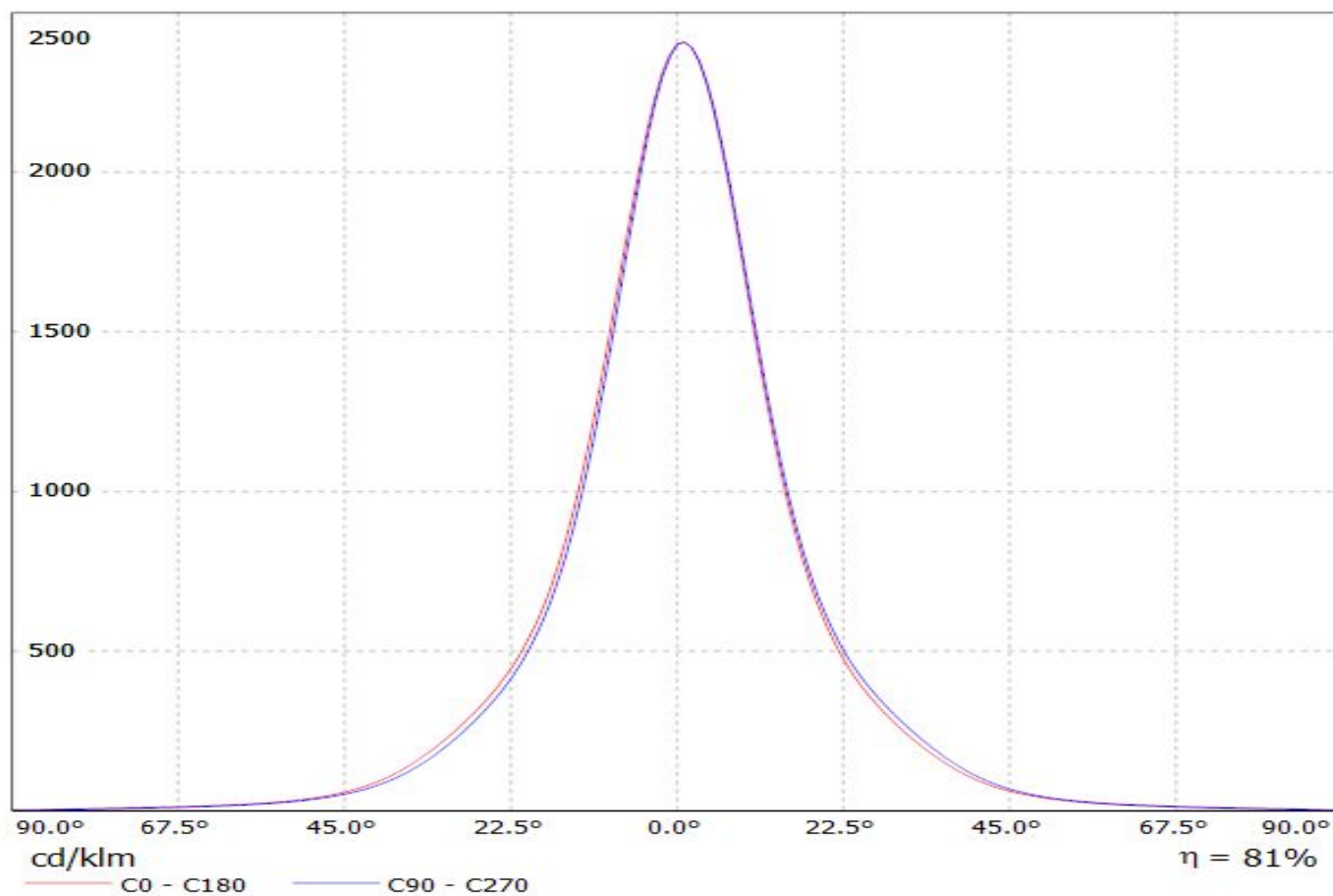




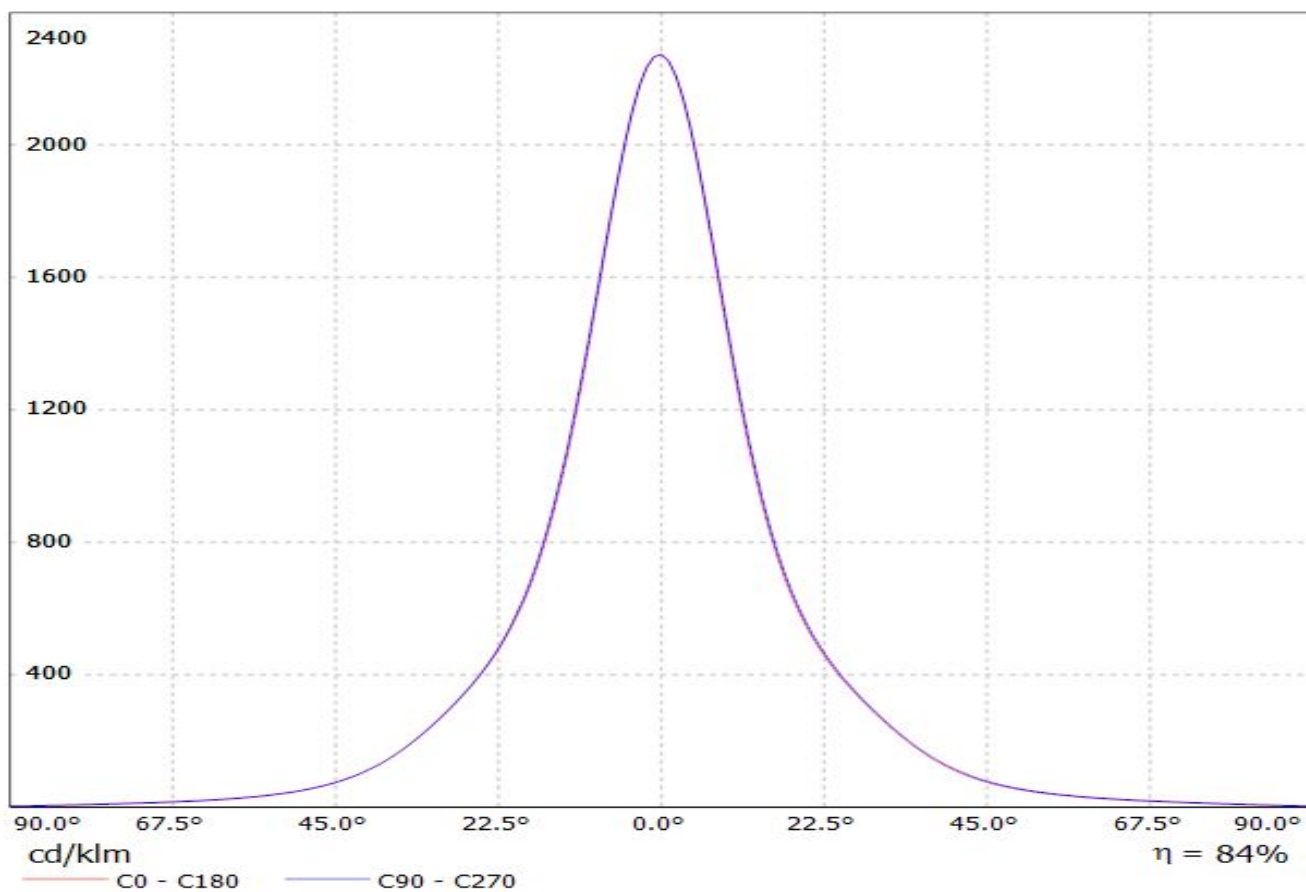
Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_I=0.2499A



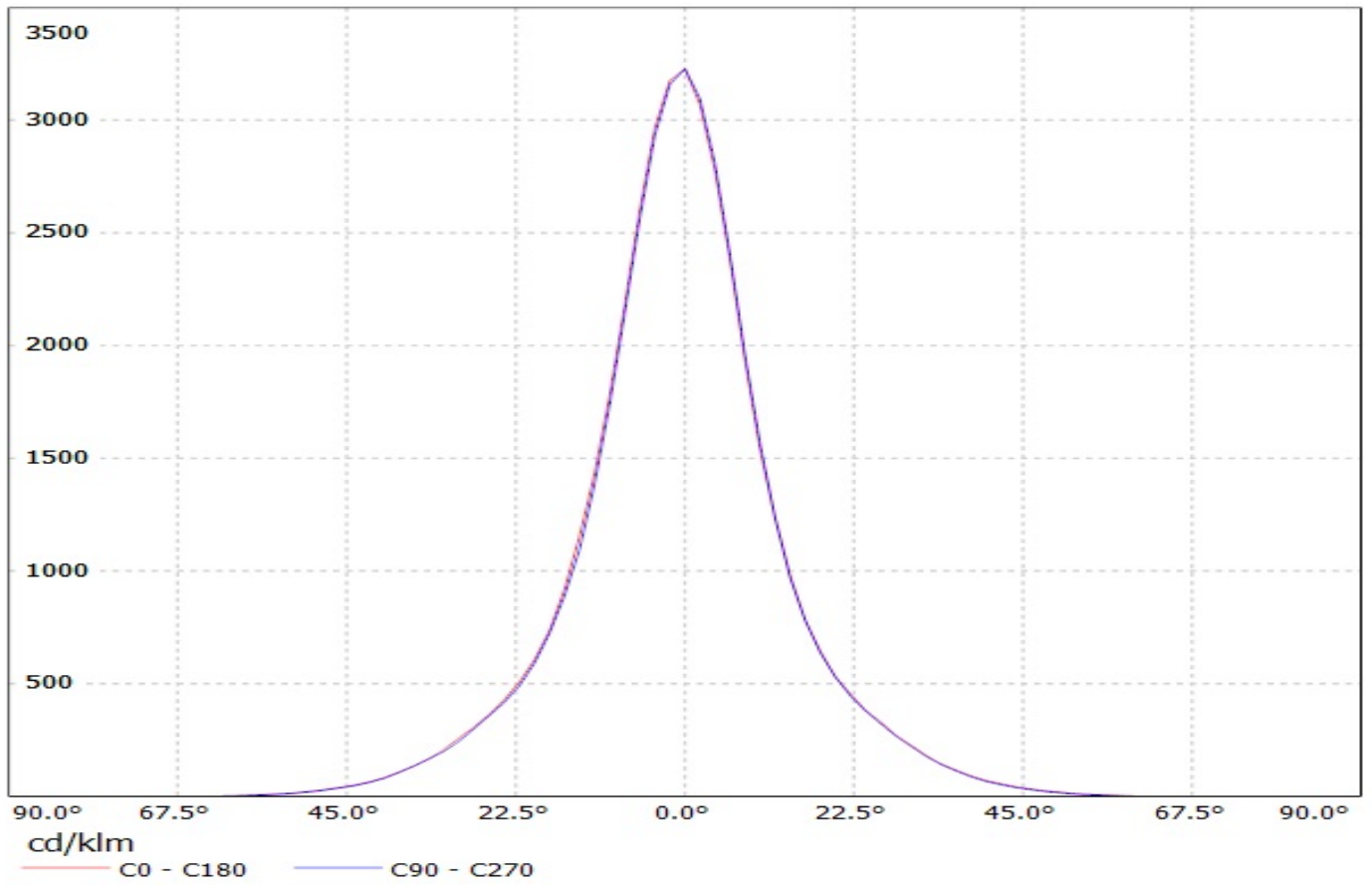
Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CREE\_XHP70)  
Lamps: 1 x CREE\_XHP70\_260.212lm@250mA\_P=1.383W\_I=0.2499A



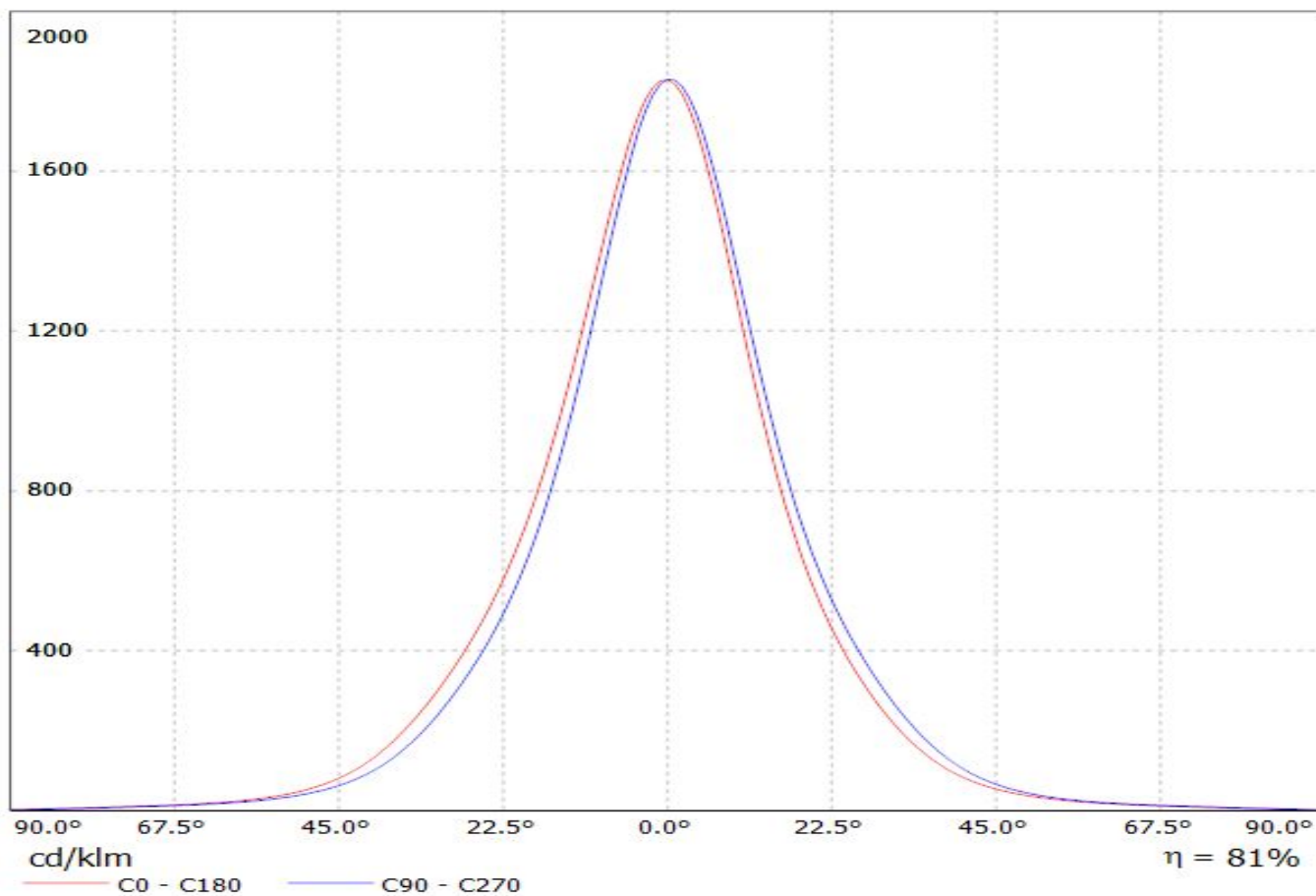
Luminaire: Ledil CN13905\_MIRELLA-50-S-PF-RZL\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



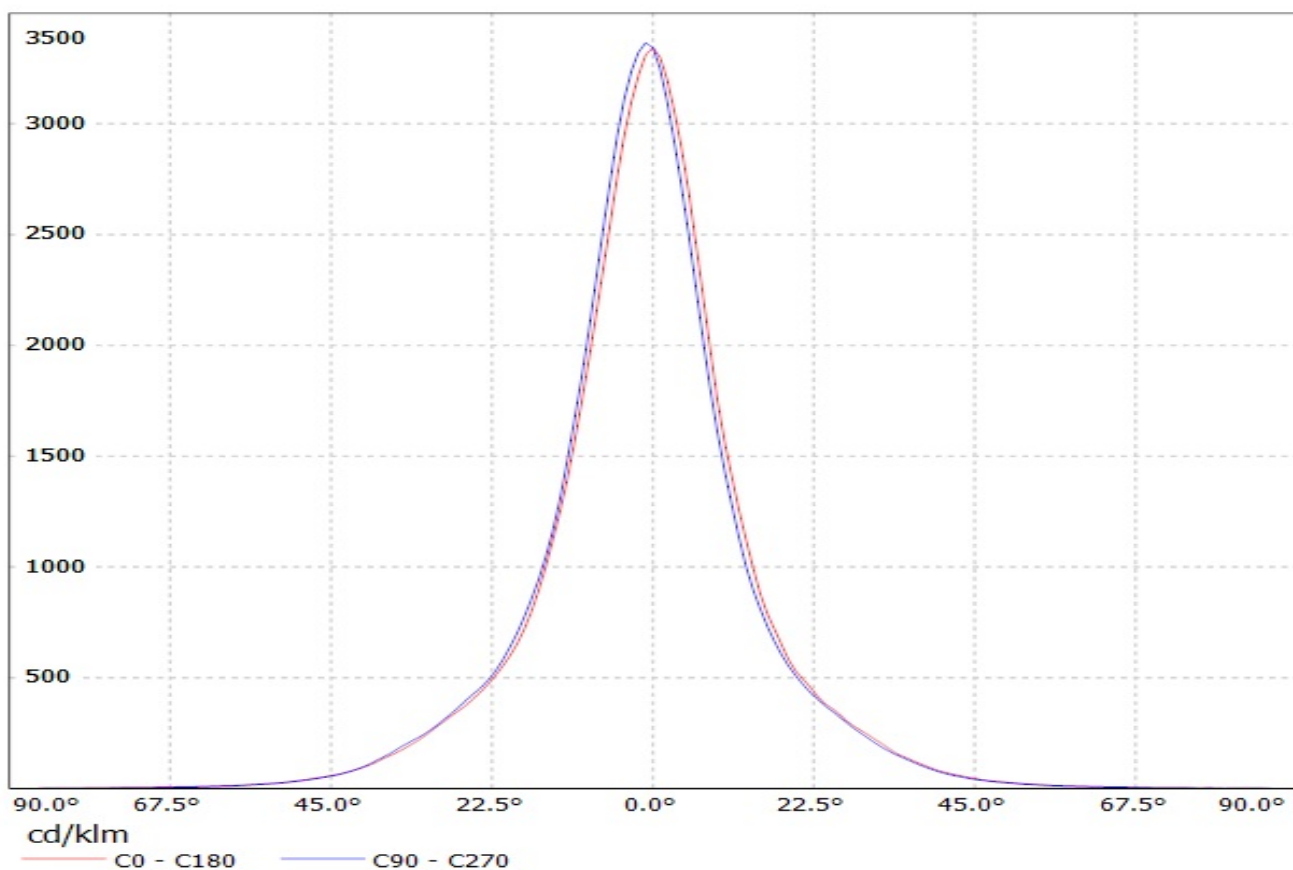
Luminaire: LEDil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(Luxeon\_Z\_RGB) Efficiency=78%  
Lamps: 1 x Philips Lumileds Luxeon RGB (164lm @ 250mA) P=2.6W I=250mA



Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CXM-9)  
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_962.046lm@240mA\_P=8.29334W\_I=240mA

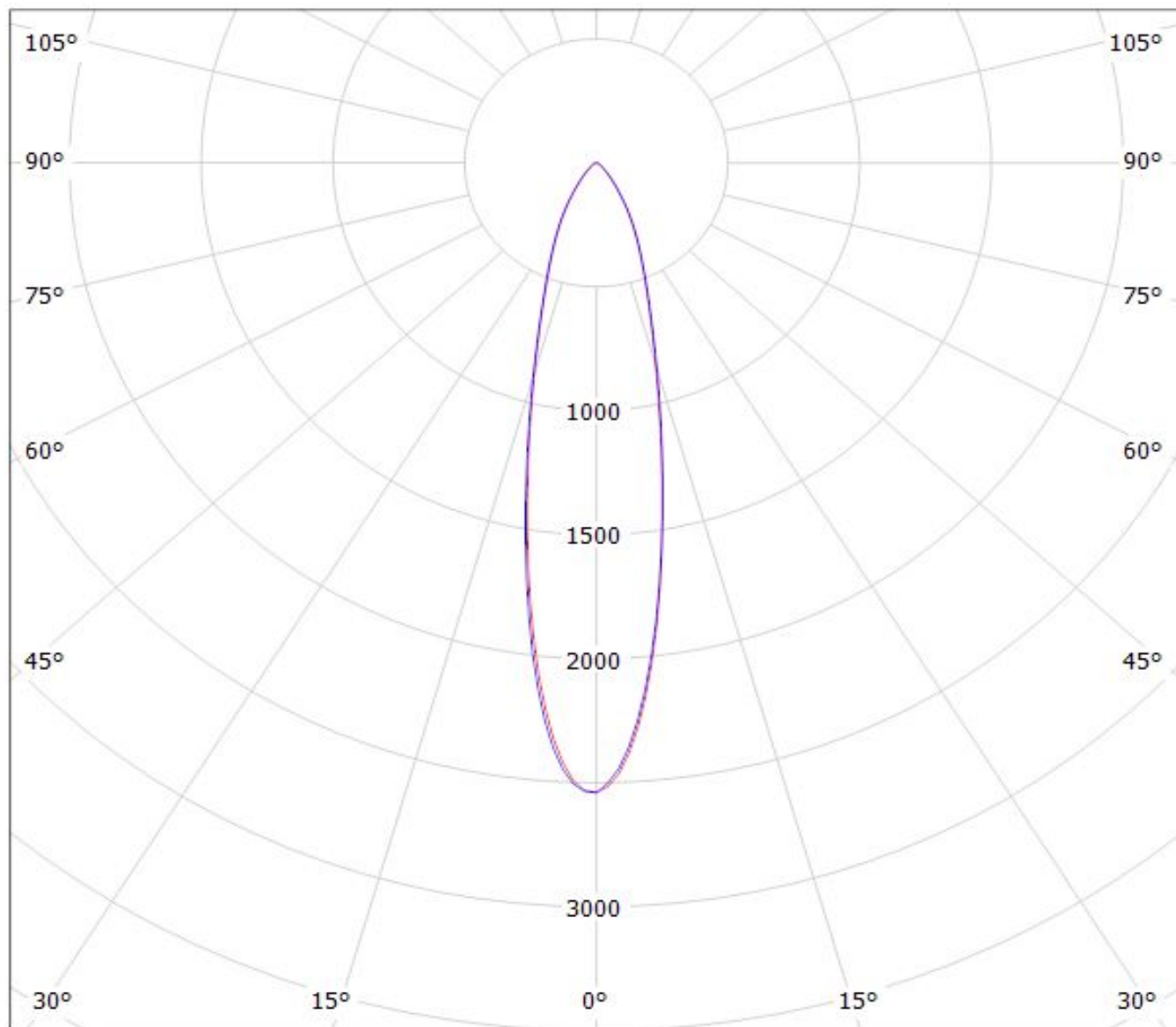


Luminaire: Ledil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(Ostar-SMT\_RGB) Efficiency=82%  
Lamps: 1 x Osram Ostar-SMT RGB (164lm @ 250mA) CCT= P=3.0W I=250mA



Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CLU700)

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



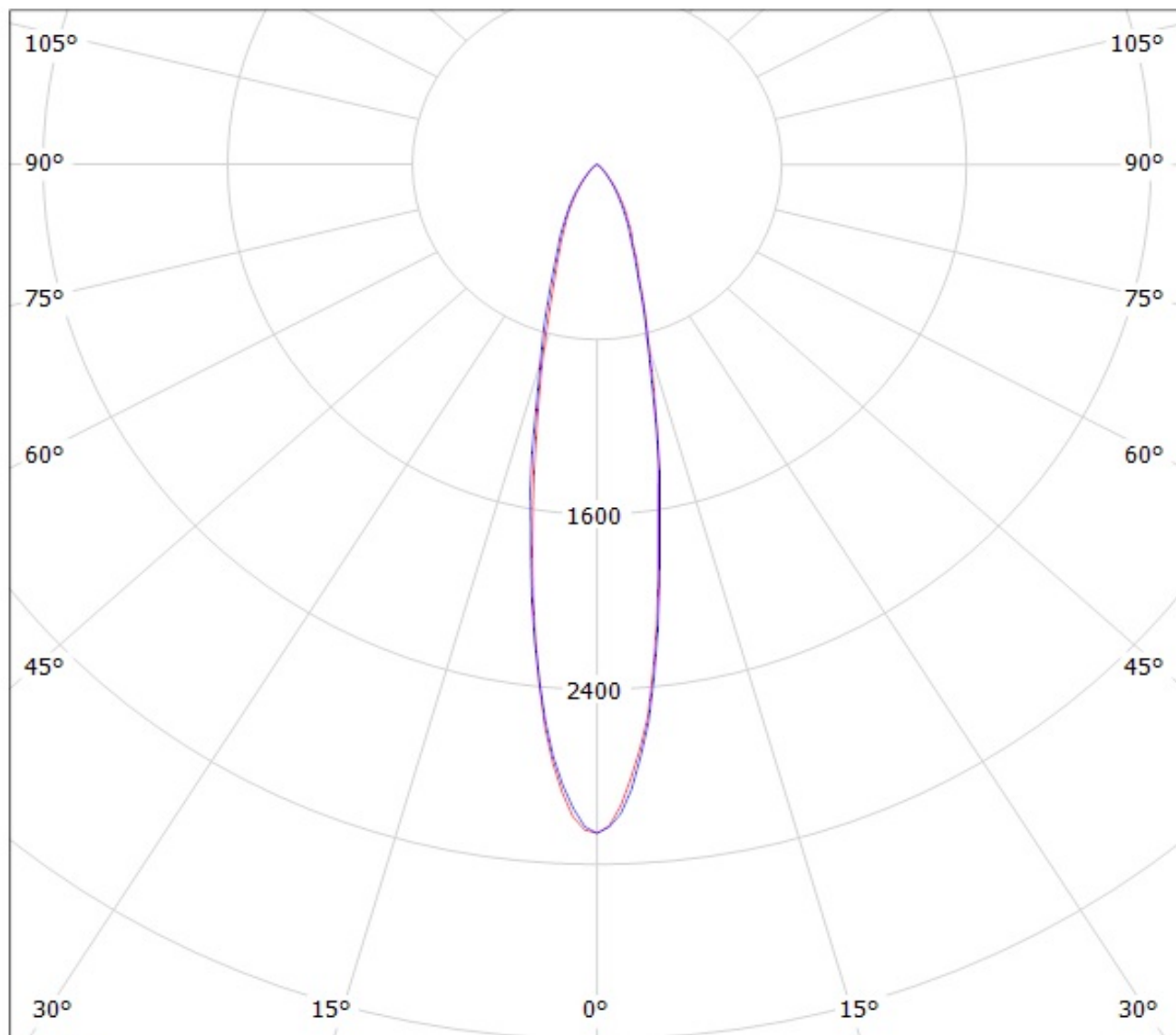
cd/klm

— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: Ledil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(XM-L\_RGB) Efficiency=80%  
Lamps: 1 x Cree XM-L RGB (206lm @ 250mA) CCT= P=2.8W I=250mA

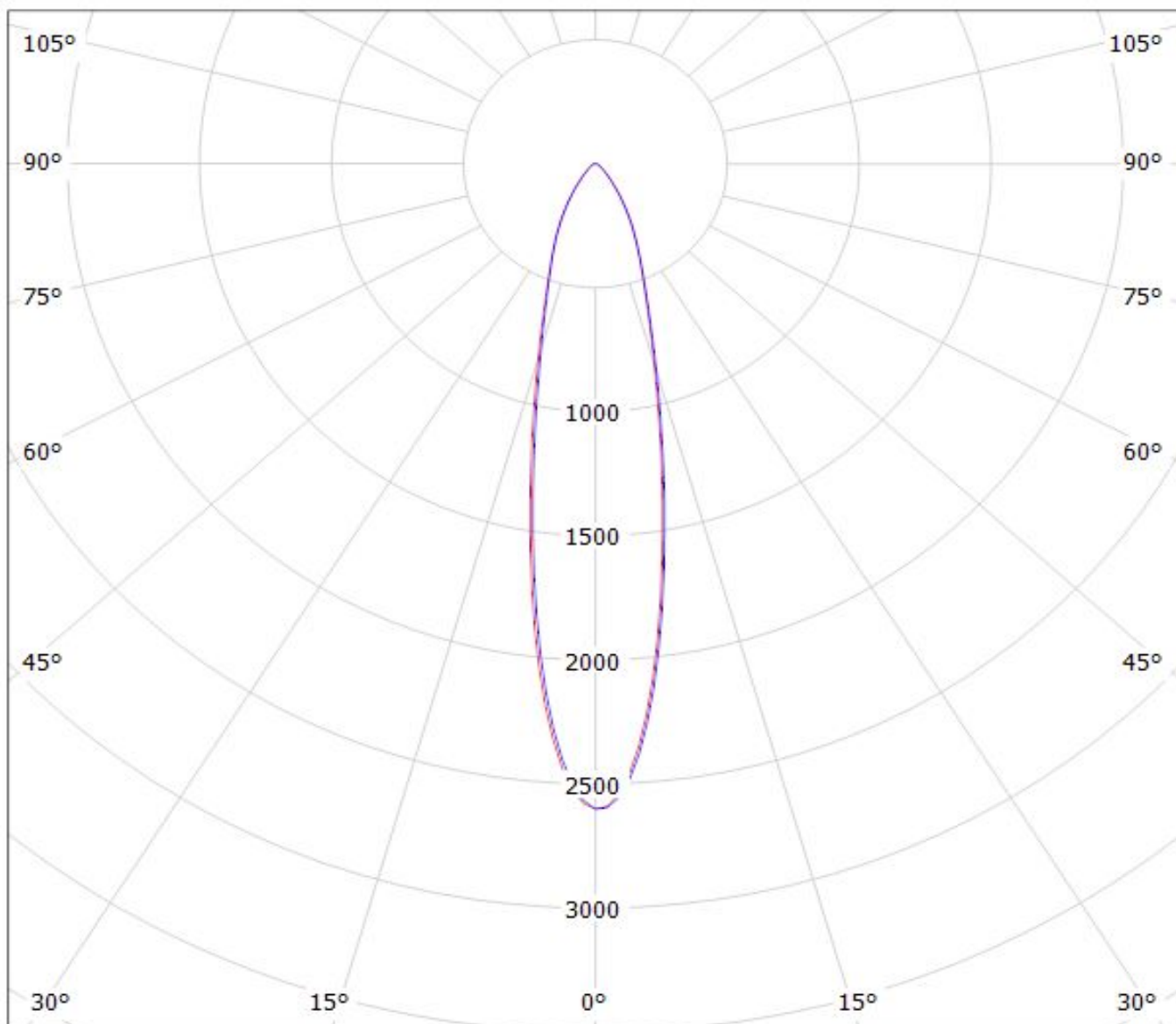


cd/klm

— C0 - C180    — C90 - C270



Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_I=0.2499A

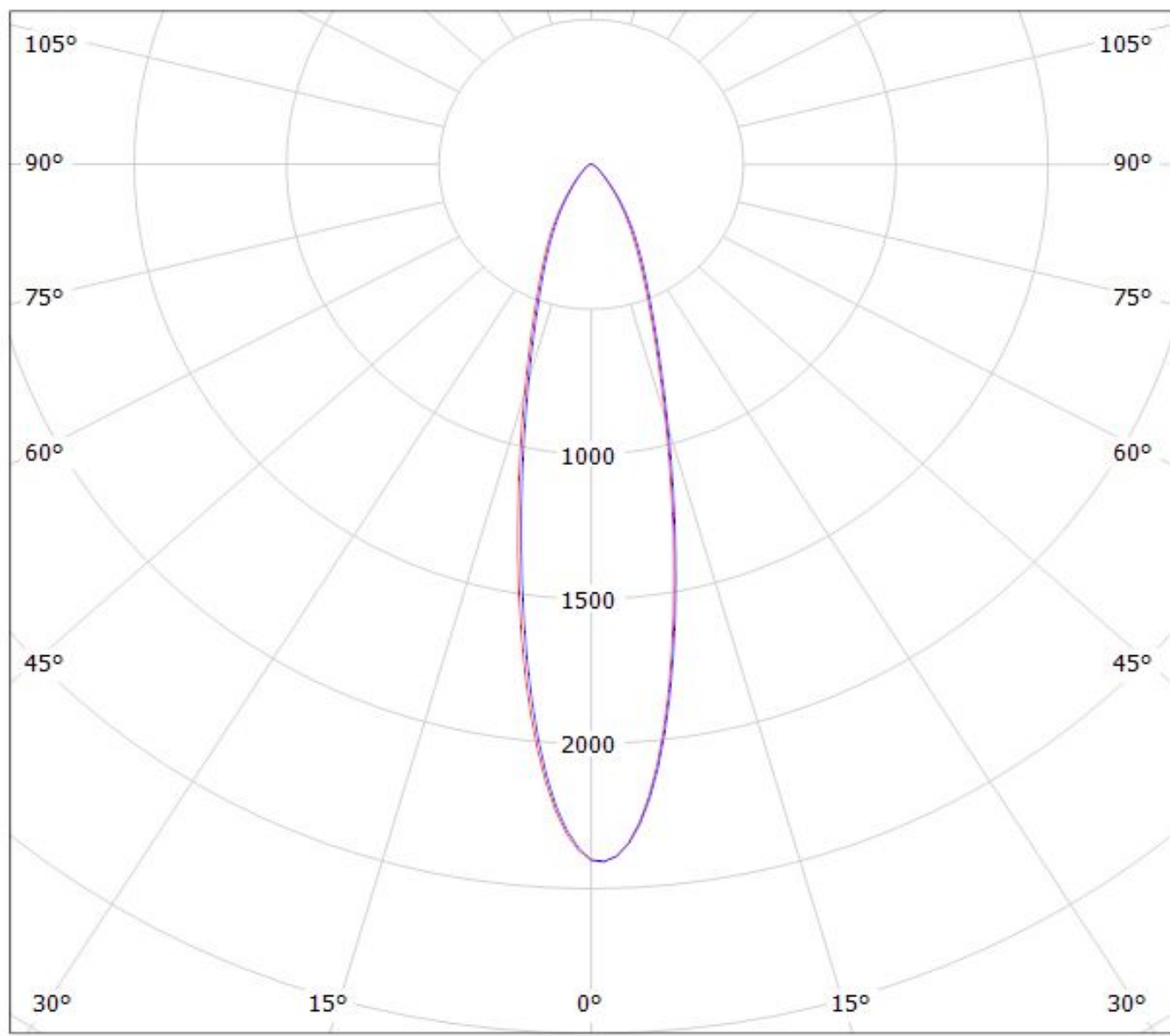


cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

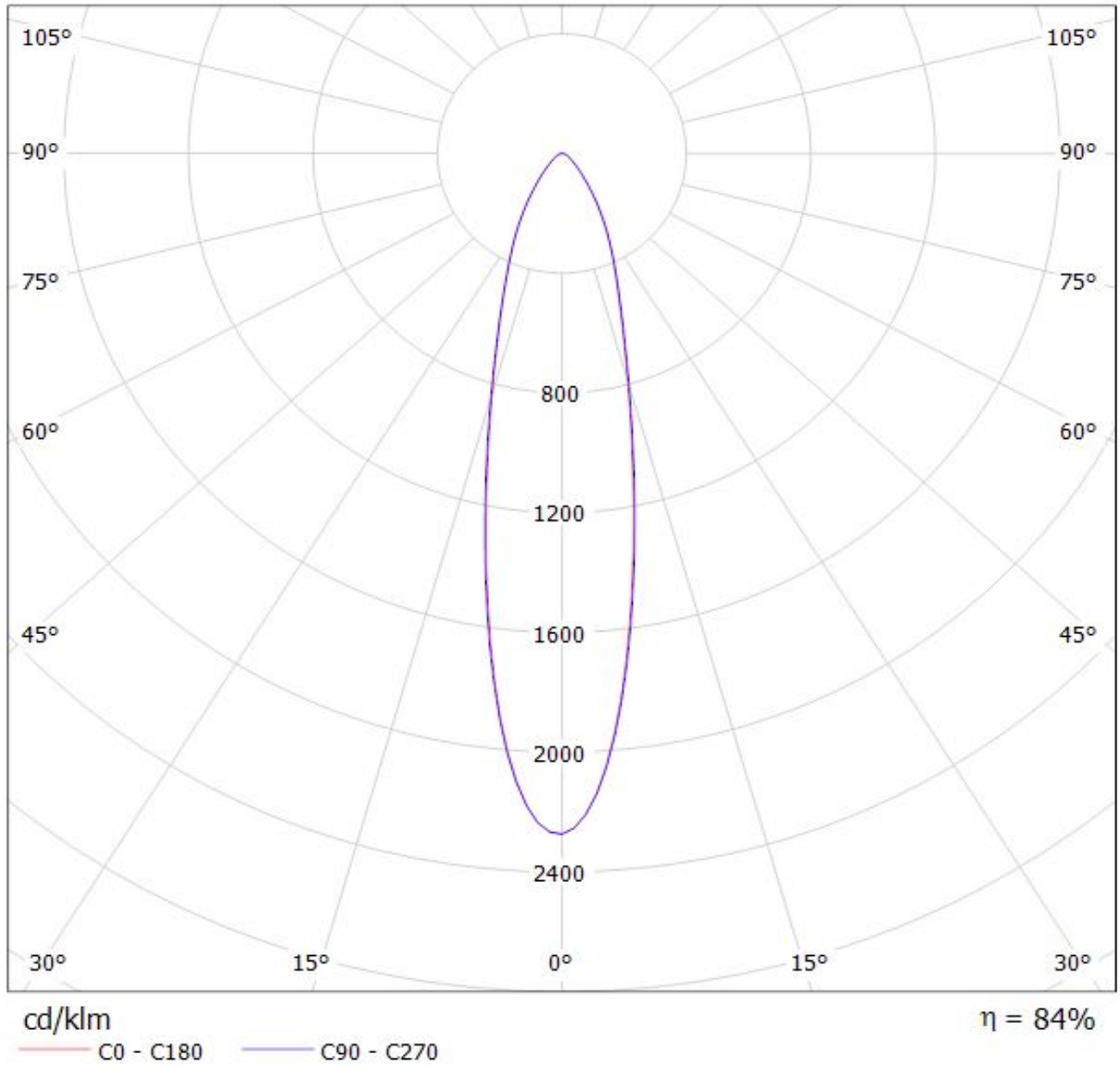
Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CREE\_XHP70)  
Lamps: 1 x CREE\_XHP70\_260.212lm@250mA\_P=1.383W\_I=0.2499A



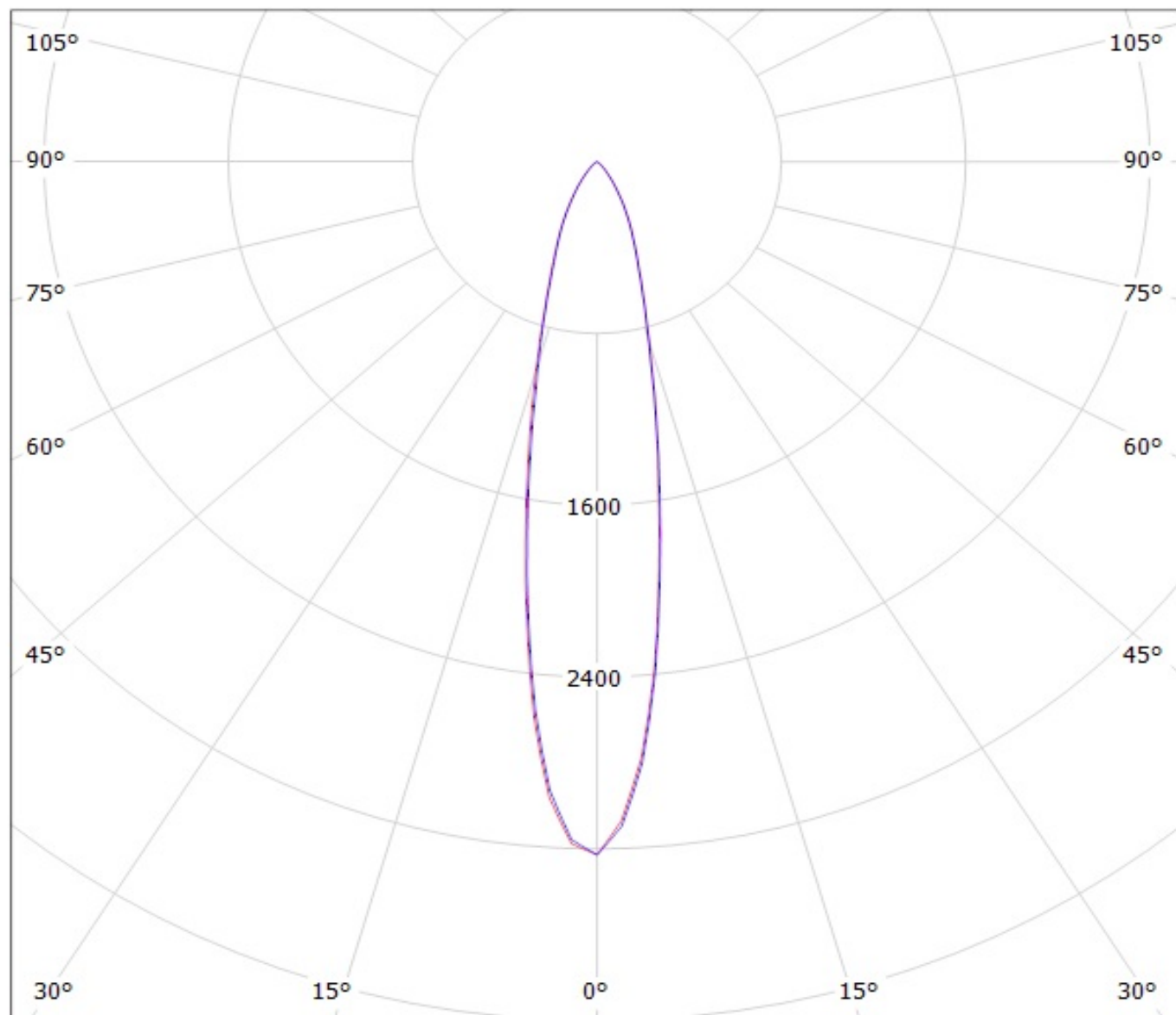
cd/klm  
— C0 - C180 — C90 - C270

$\eta = 81\%$

Luminaire: Ledil CN13905\_MIRELLA-50-S-PF-RZL\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



Luminaire: LEDil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(Luxeon\_Z\_RGB) Efficiency=78%  
Lamps: 1 x Philips Lumileds Luxeon RGB (164lm @ 250mA) P=2.6W I=250mA



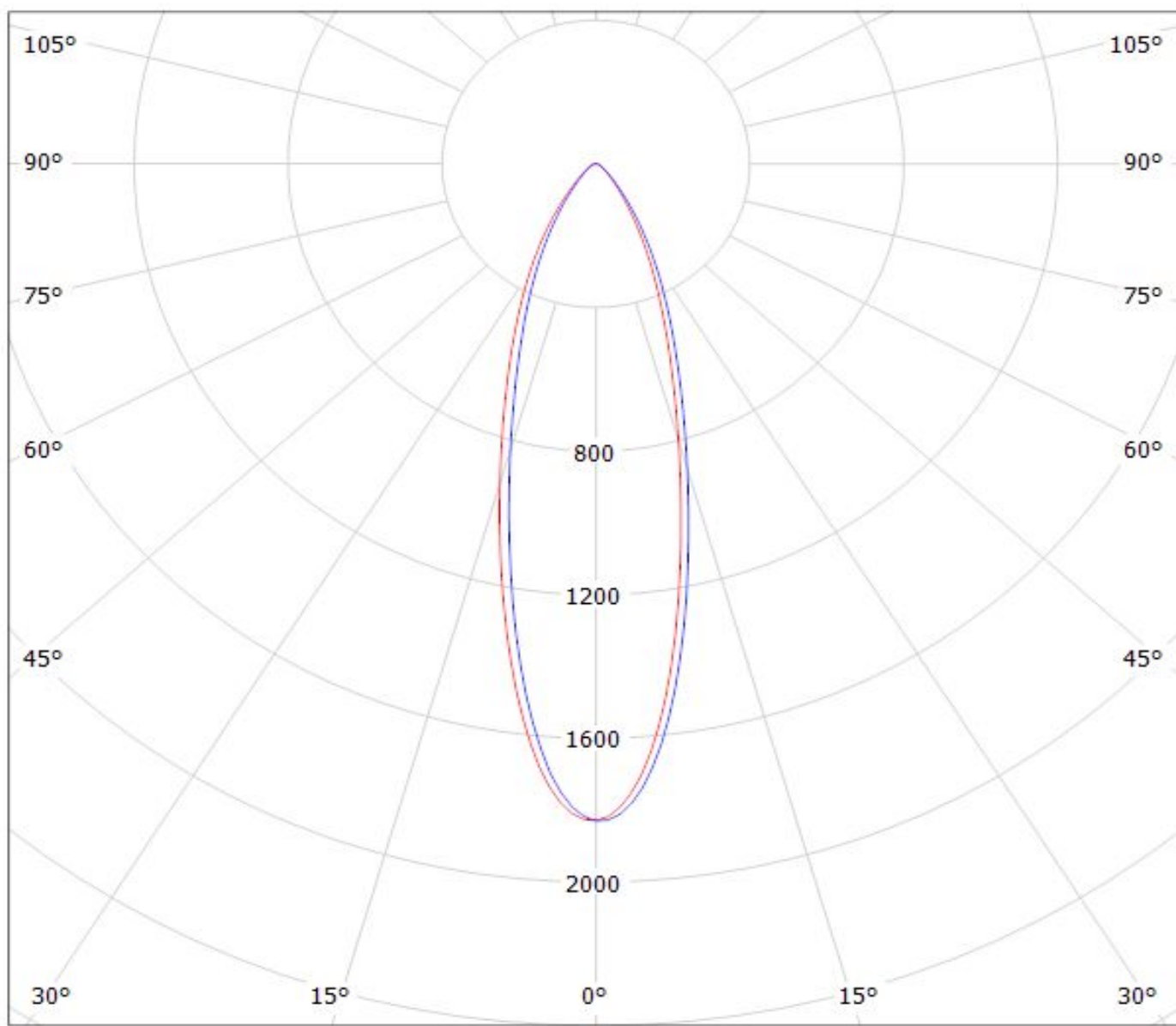
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN13905\_MIRELLA-50-S-PF-RZL\_(CXM-9)

Lamps: 1 x Luminus\_XNOVA\_CXM-9\_962.046lm@240mA\_P=8.29334W\_I=240mA



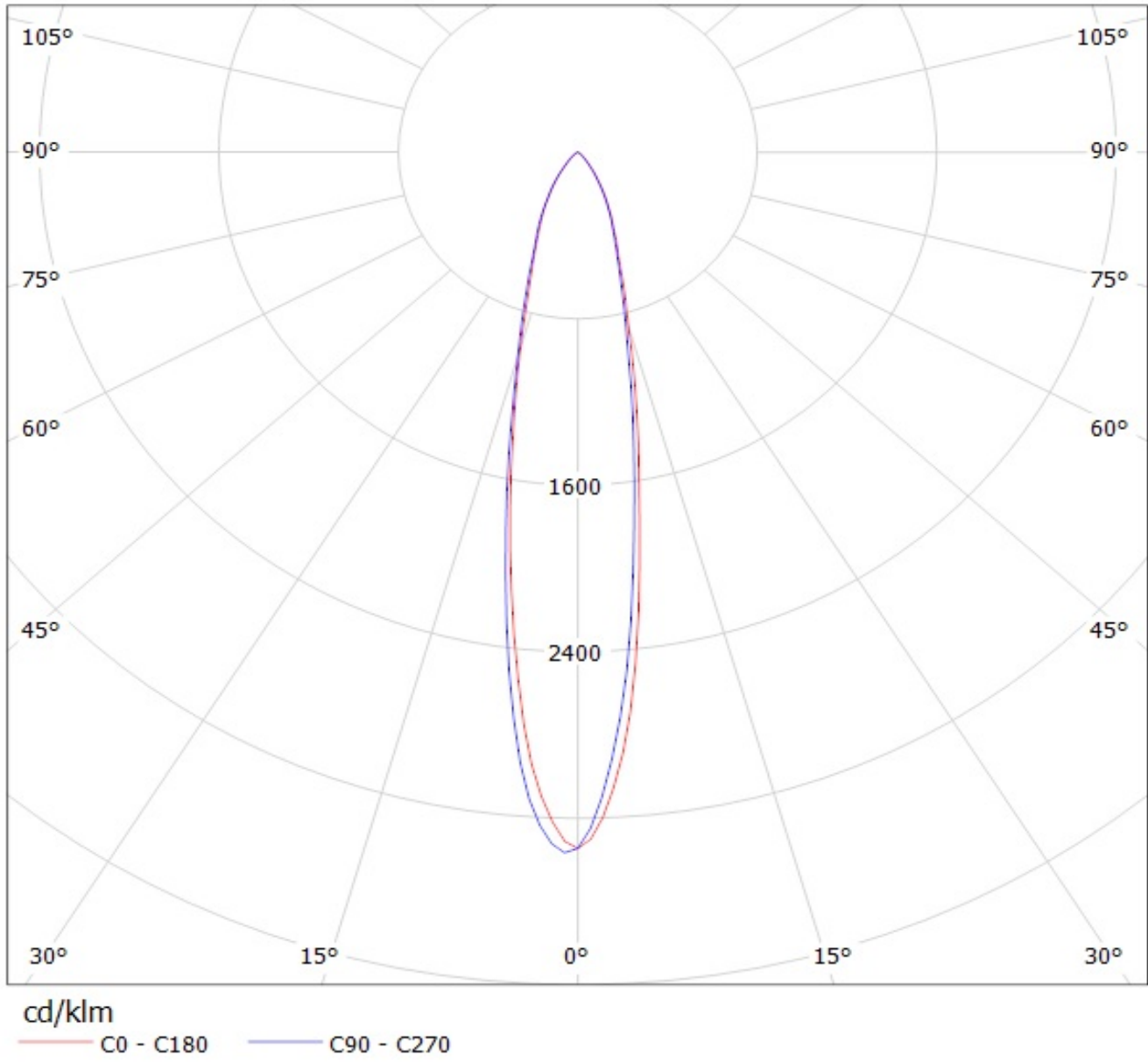
cd/klm

— C0 - C180

— C90 - C270

$\eta = 81\%$

Luminaire: Ledil Oy CN13905\_MIRELLA-50-S-PF-RZL\_(Ostar-SMT\_RGB) Efficiency=82%  
Lamps: 1 x Osram Ostar-SMT RGB (164lm @ 250mA) CCT= P=3.0W I=250mA



**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.