

## DETAILS

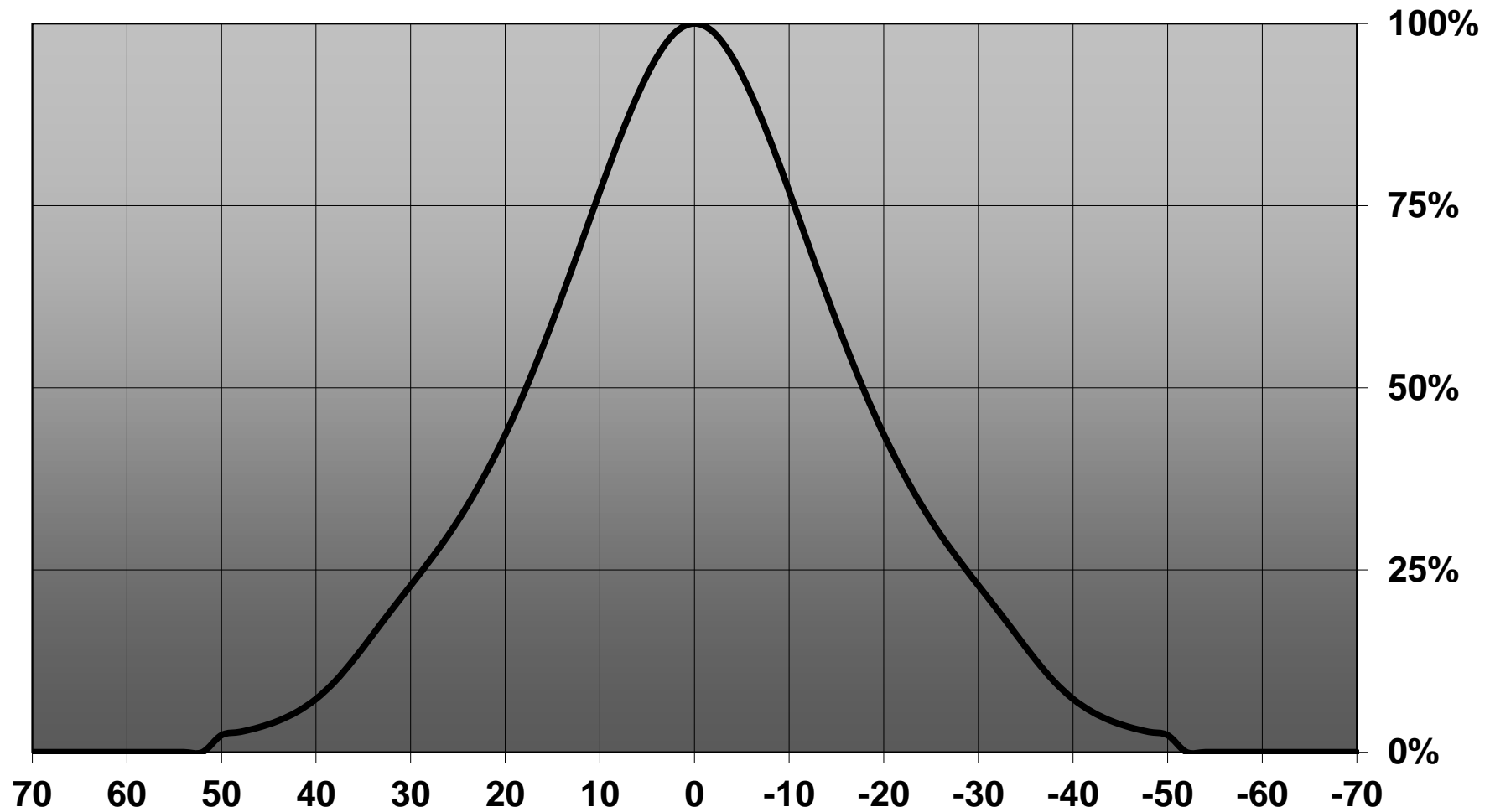
<b>Product Number</b>	CN12487_MIRELLA-50-M-PIN-DL
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	23,9 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	27/06/2013

## OPTICAL PROPERTIES

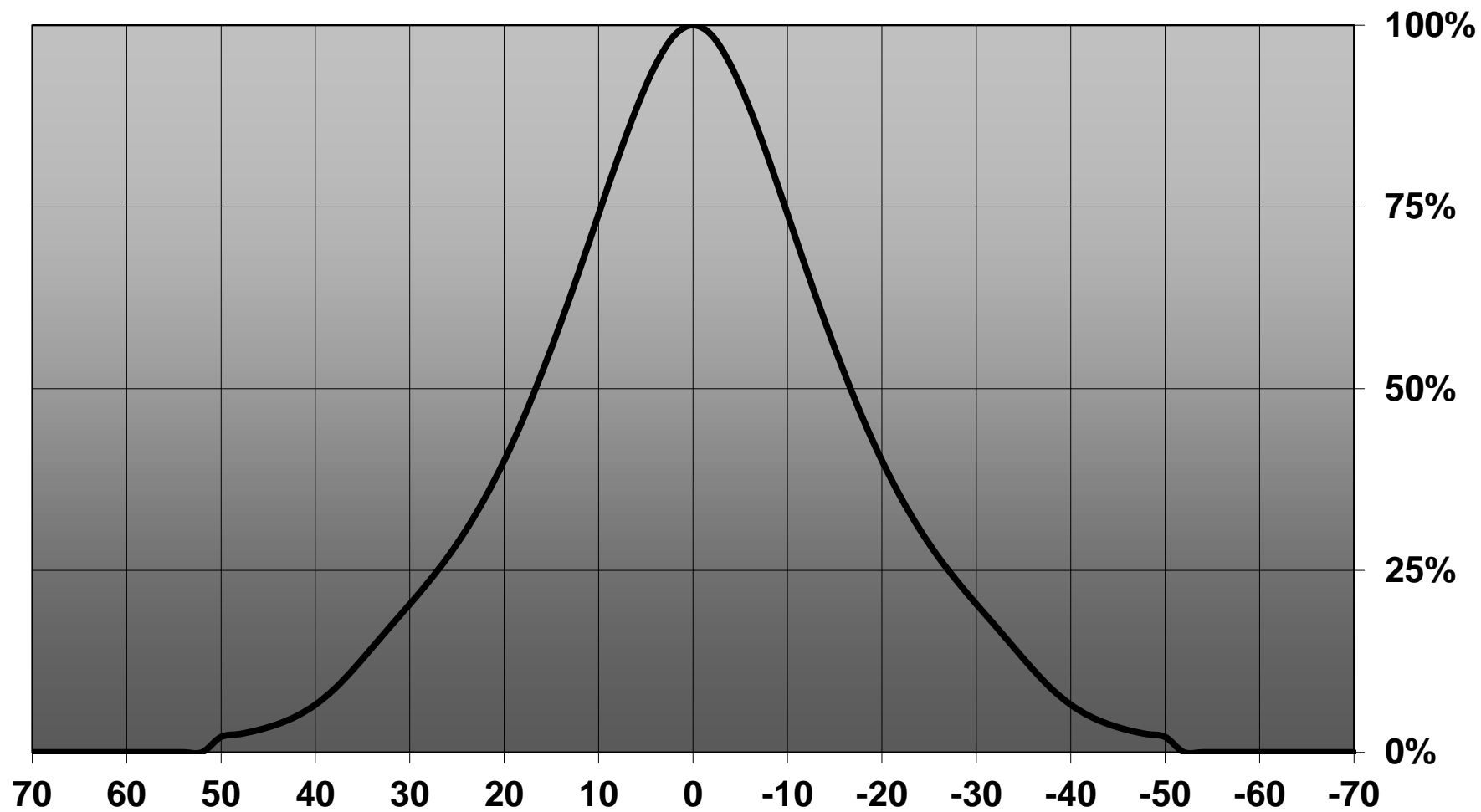
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
SM4	35 deg	Medium	78 %	1.650	-
XM-L	35 deg	Medium	80 %	1.500	-
XP-G	34 deg	Medium	81 %	1.620	-
XT-E	32 deg	Medium	78 %	1.780	-
XP-G2	30 deg	Medium	83 %	2.000	-
XM-L2	33 deg	Medium	82 %	1.900	-
MHB-A	35 deg	Medium	83 %	1.820	-
XHP50	32 deg	Medium	86 %	1.800	-
LUXEON A	34 deg	Medium	80 %	1.640	-
LUXEON M/MX	38 deg	Medium	81 %	1.500	-
LUXEON MZ	27 deg	Medium	84 %	2.400	-
NS9x383	32 deg	Medium	83 %	1.700	-
Oslon Square EC	32 deg	Medium	79 %	1.700	-
Duris S8	28 deg	Medium	84 %	2.200	-
Duris P10	sim: 31	Medium	sim: 88 %	sim: 2.360	-



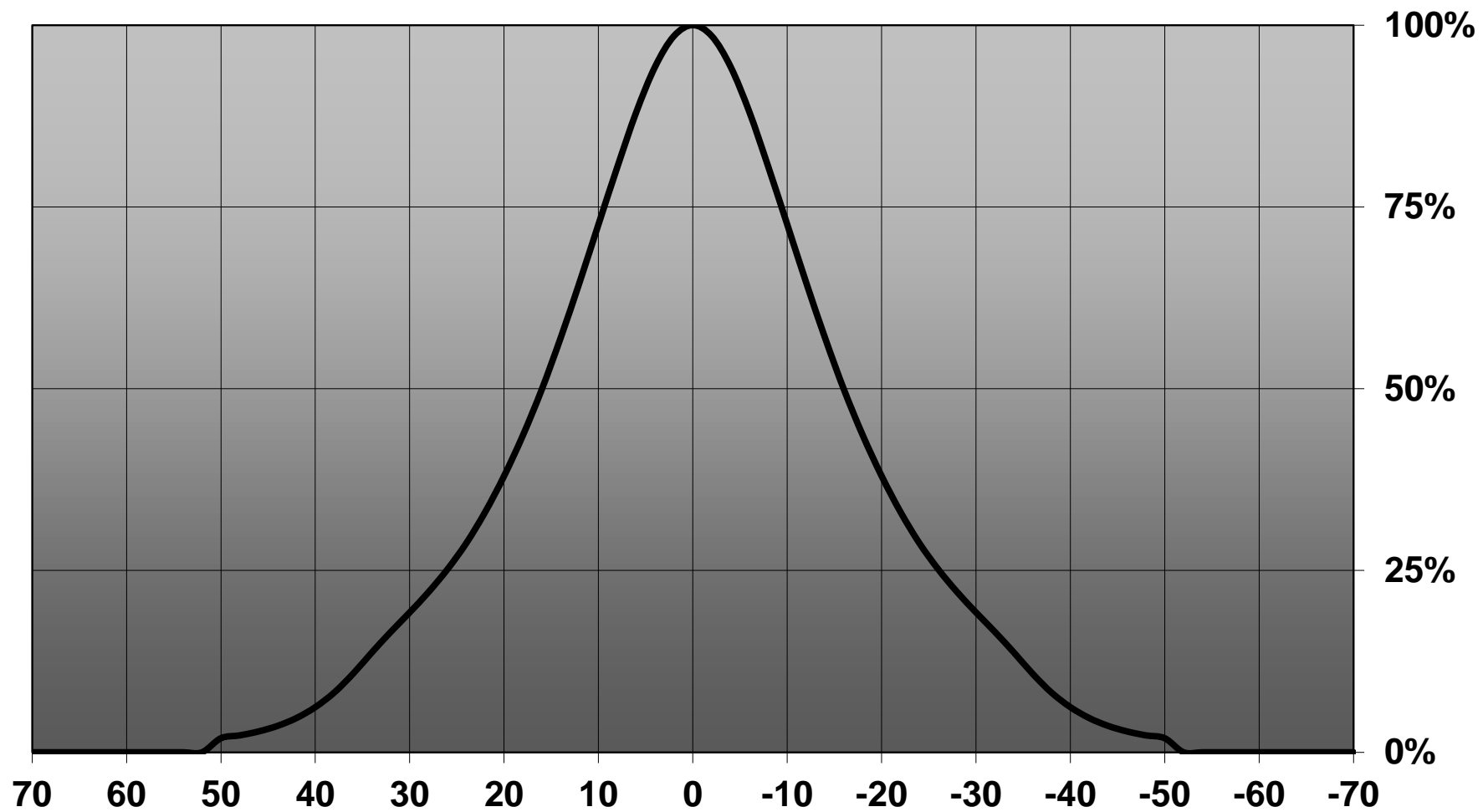
Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(XM-L)



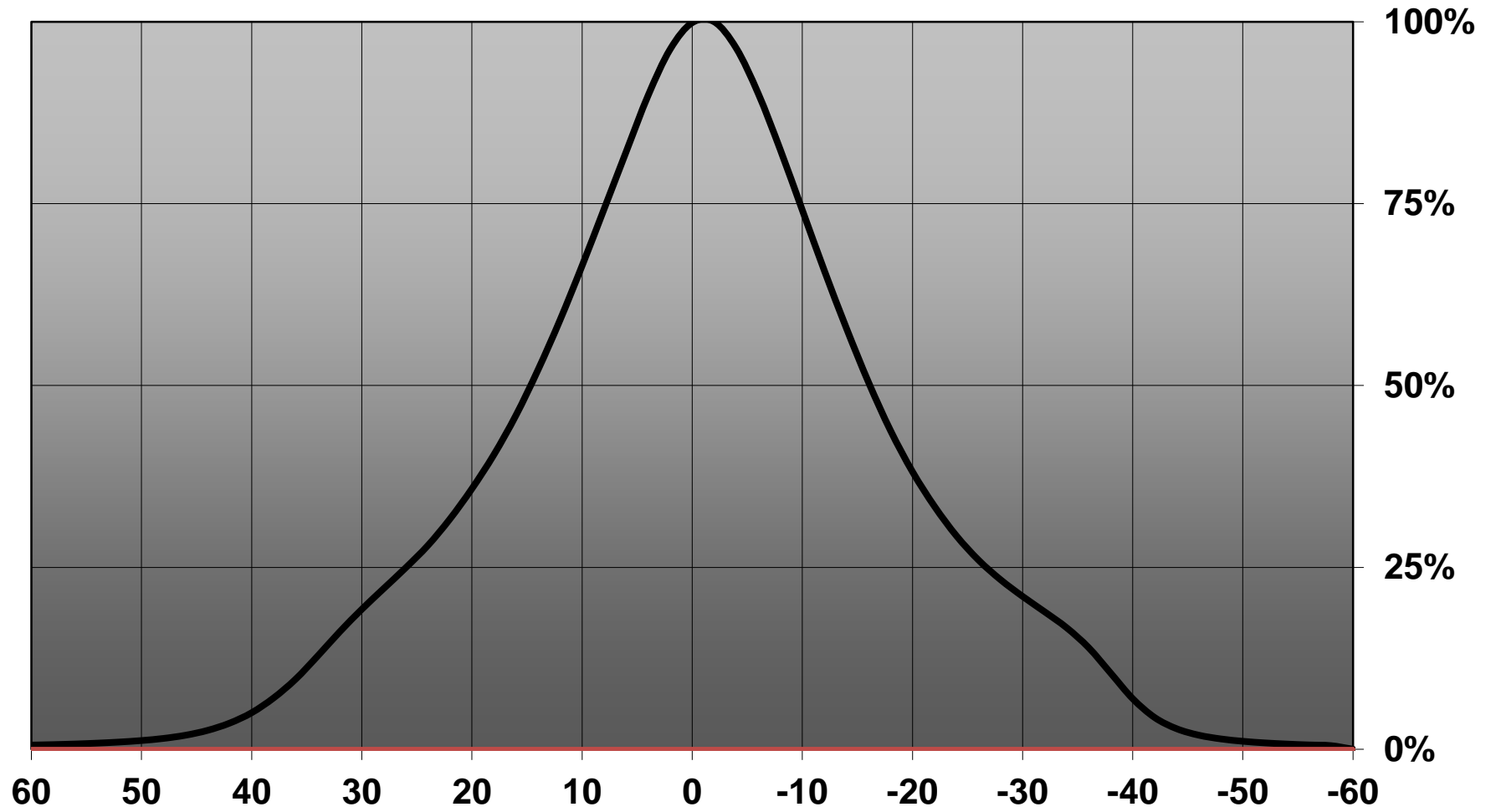
Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(XP-G)



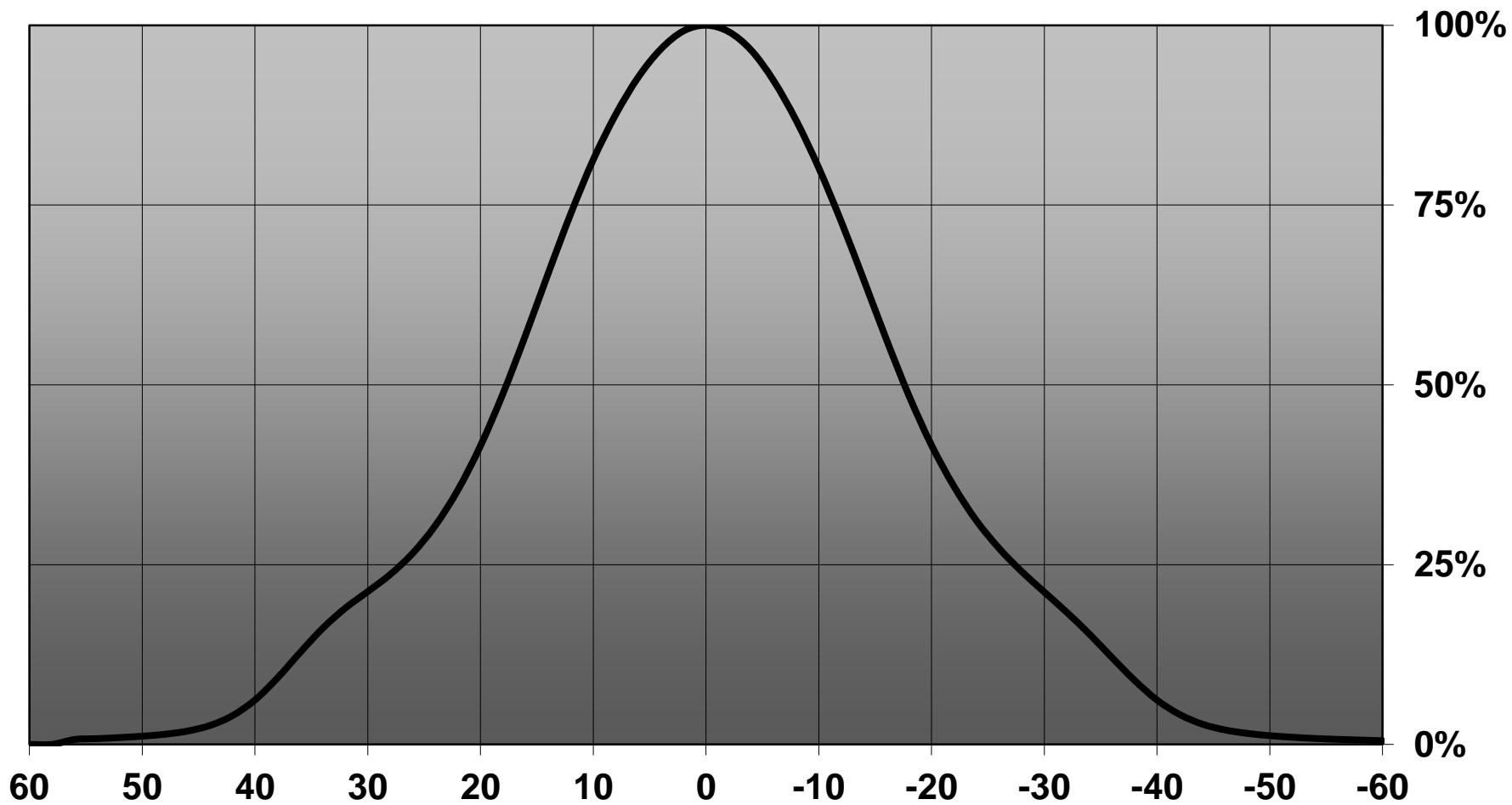
Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(XT-E)



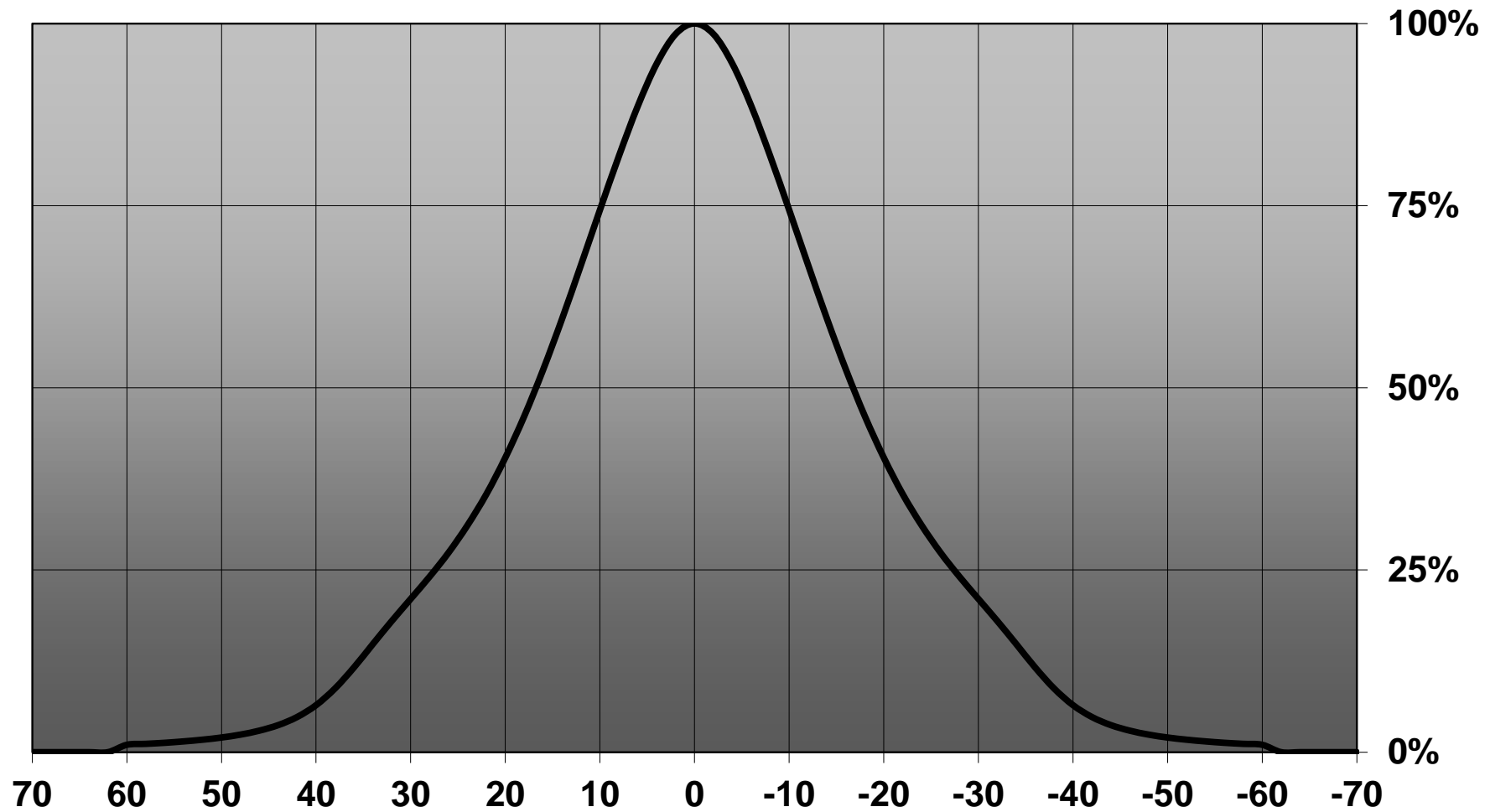
Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL-(XPG2)



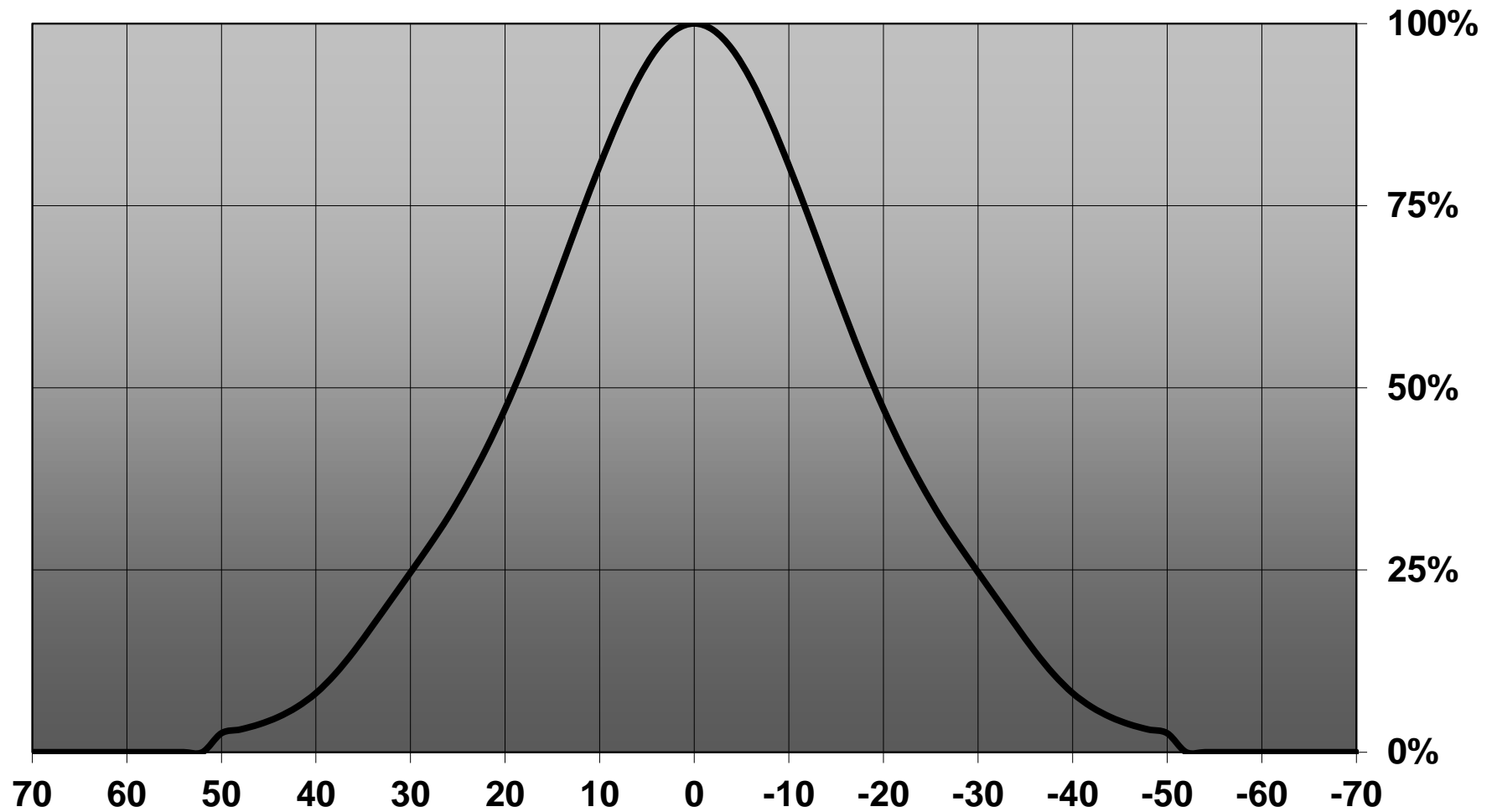
Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(MH-B)



Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(LUXEON A)

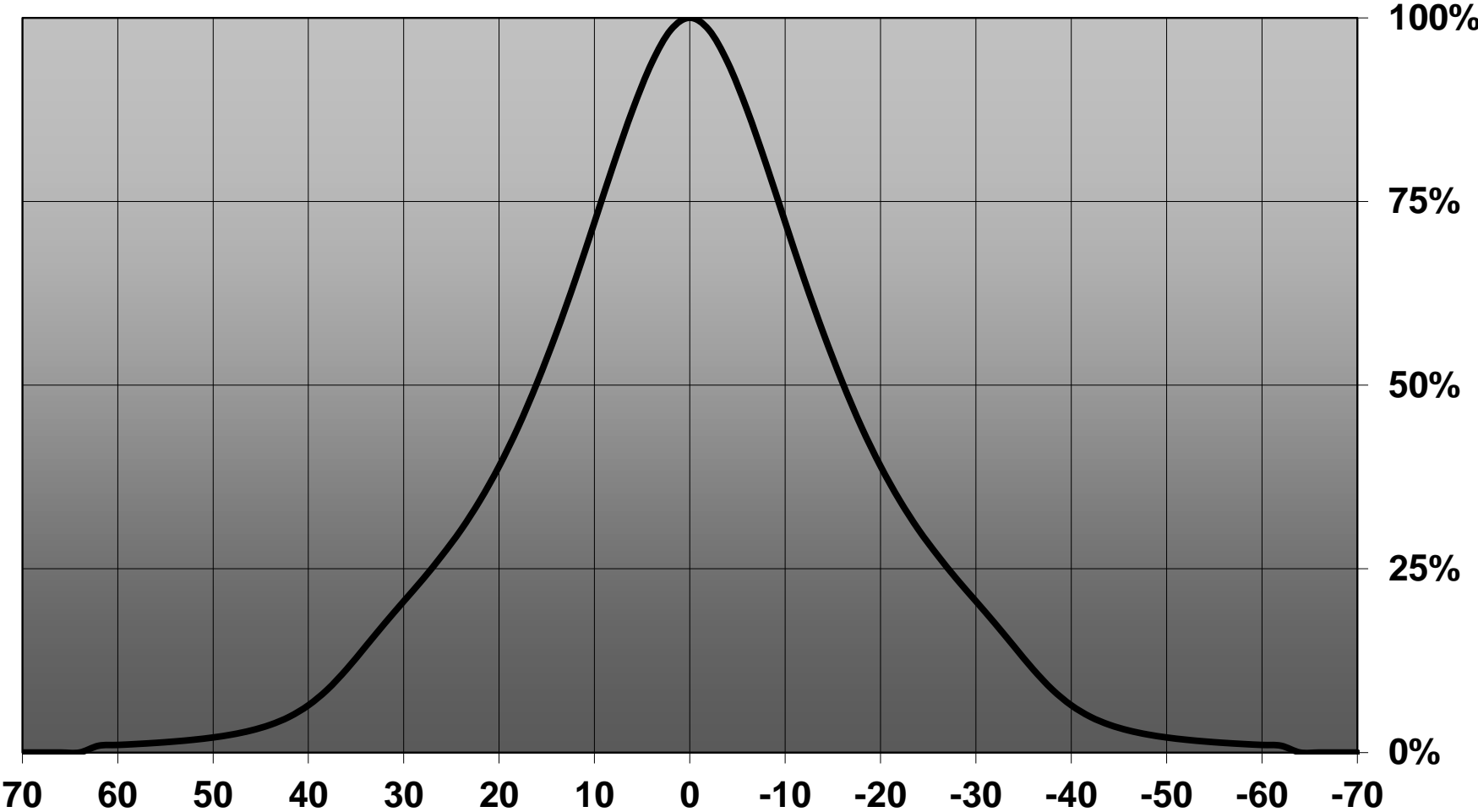


Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(LUXEON M)





**Relative intensity of CN12487\_MIRELLA-50-M-PIN-DL\_(OSLON-SQ-EC)**

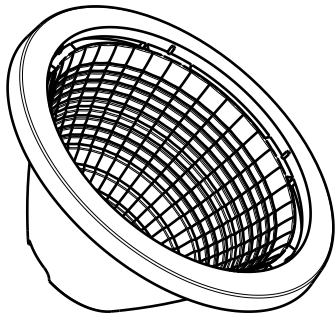


D

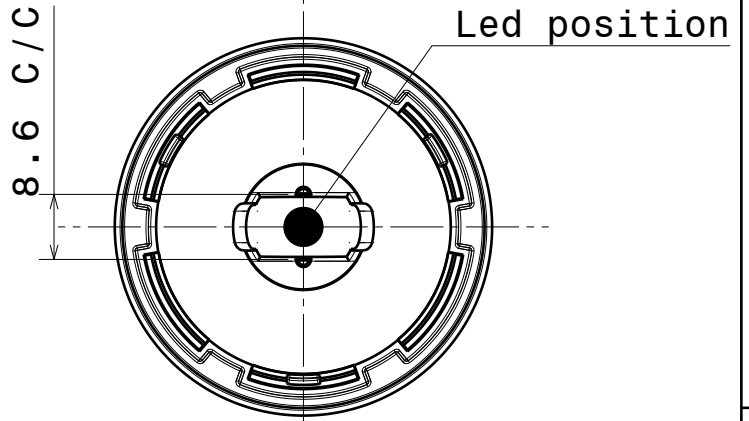
C

B

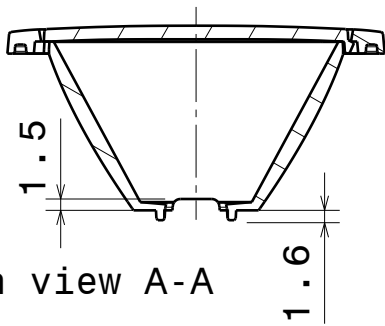
A



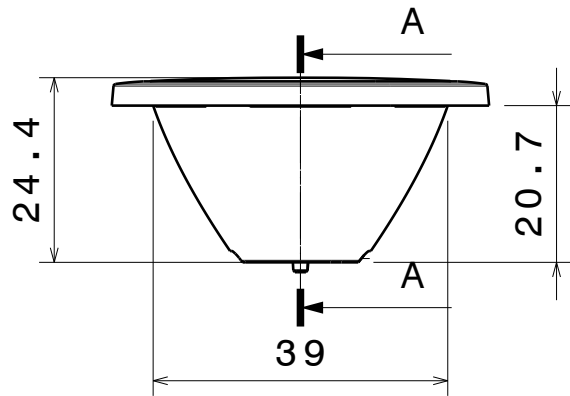
Isometric view



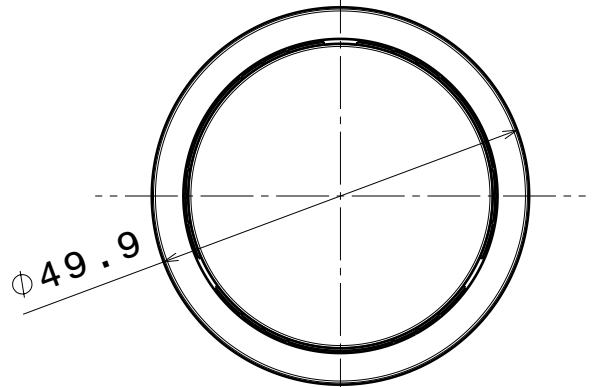
Botto view



Section view A-A



Front view



Top view

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  
**Datasheet\_Mirella\_pin**

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

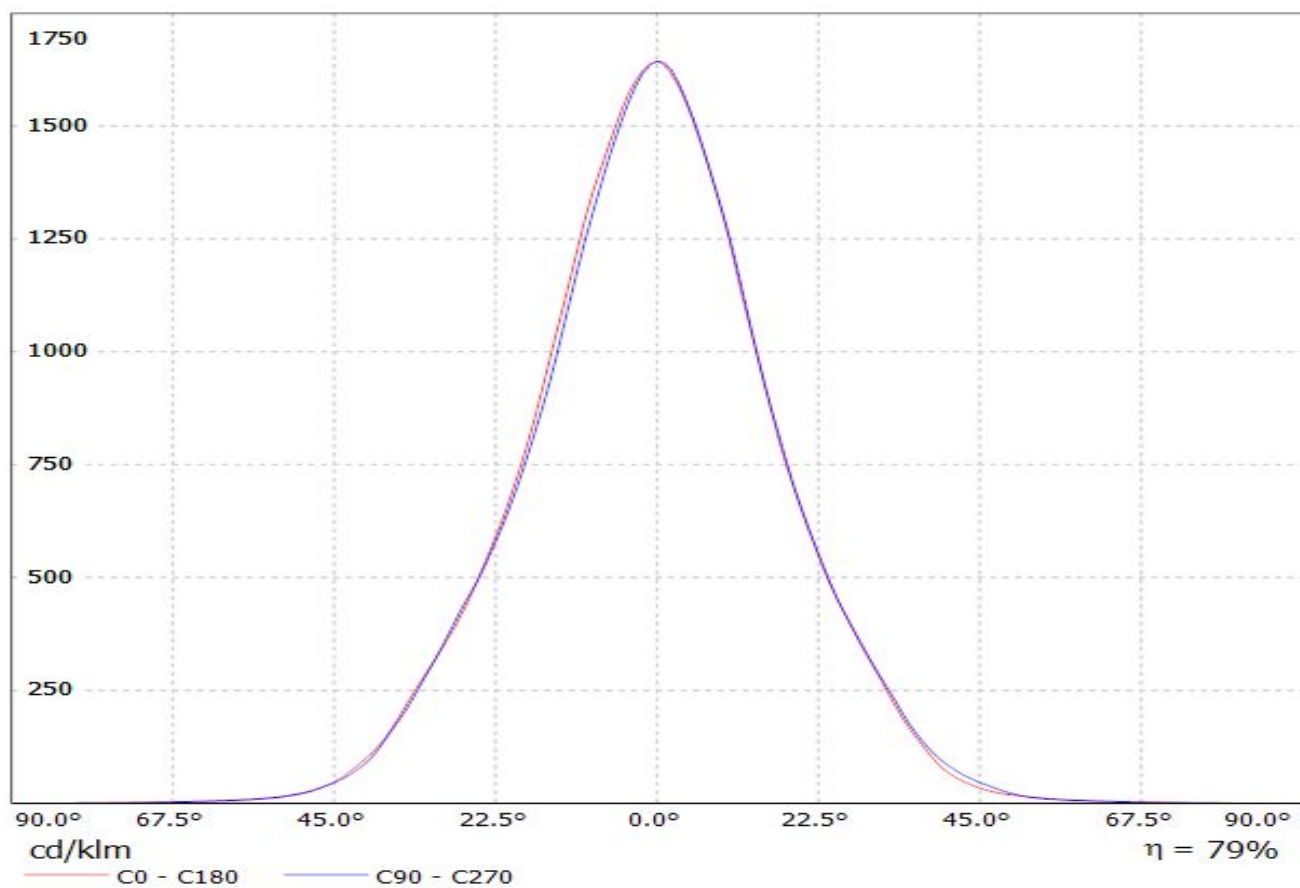
SIZE	PART NUMBER		
A4	-		

SCALE	1:1	WEIGHT	-	SHEET	1/1
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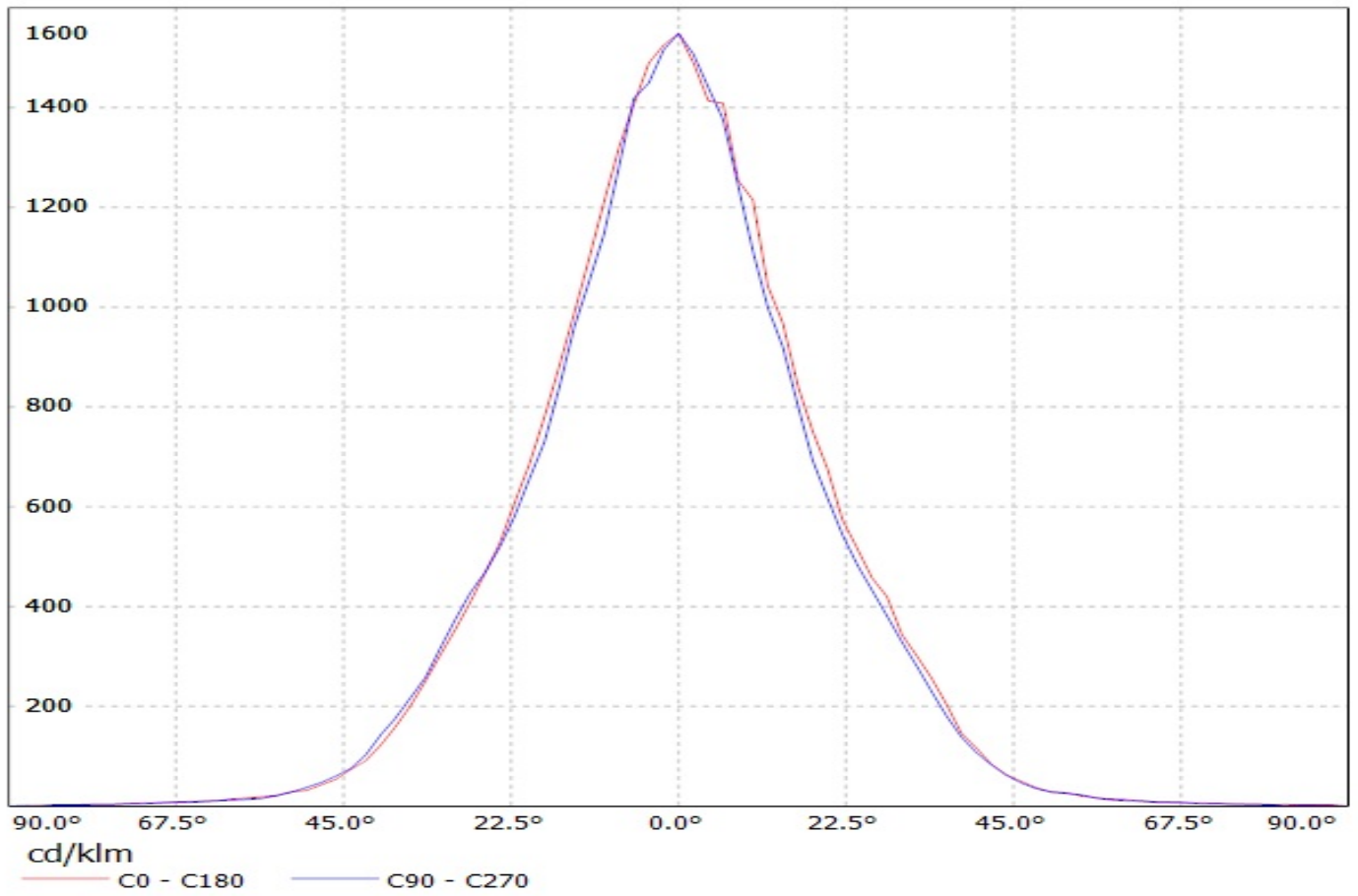
D

A

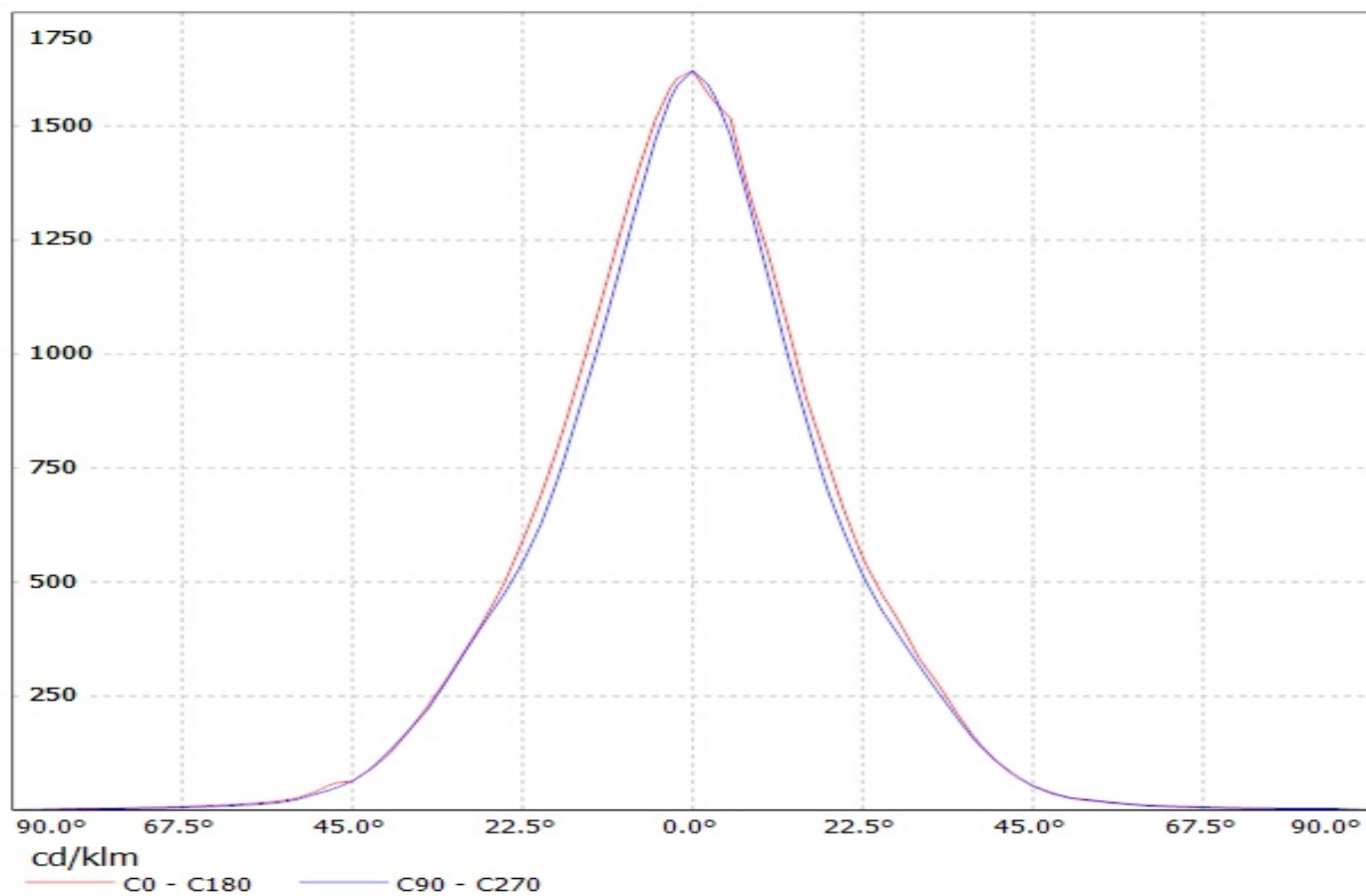
Luminaire: LEDi L CN12487\_MIRELLA-50-M-PIN-DL\_(SM4) Eff.78%  
Lamps: 1 x Bridgelux SM4 (259lm@250mA)



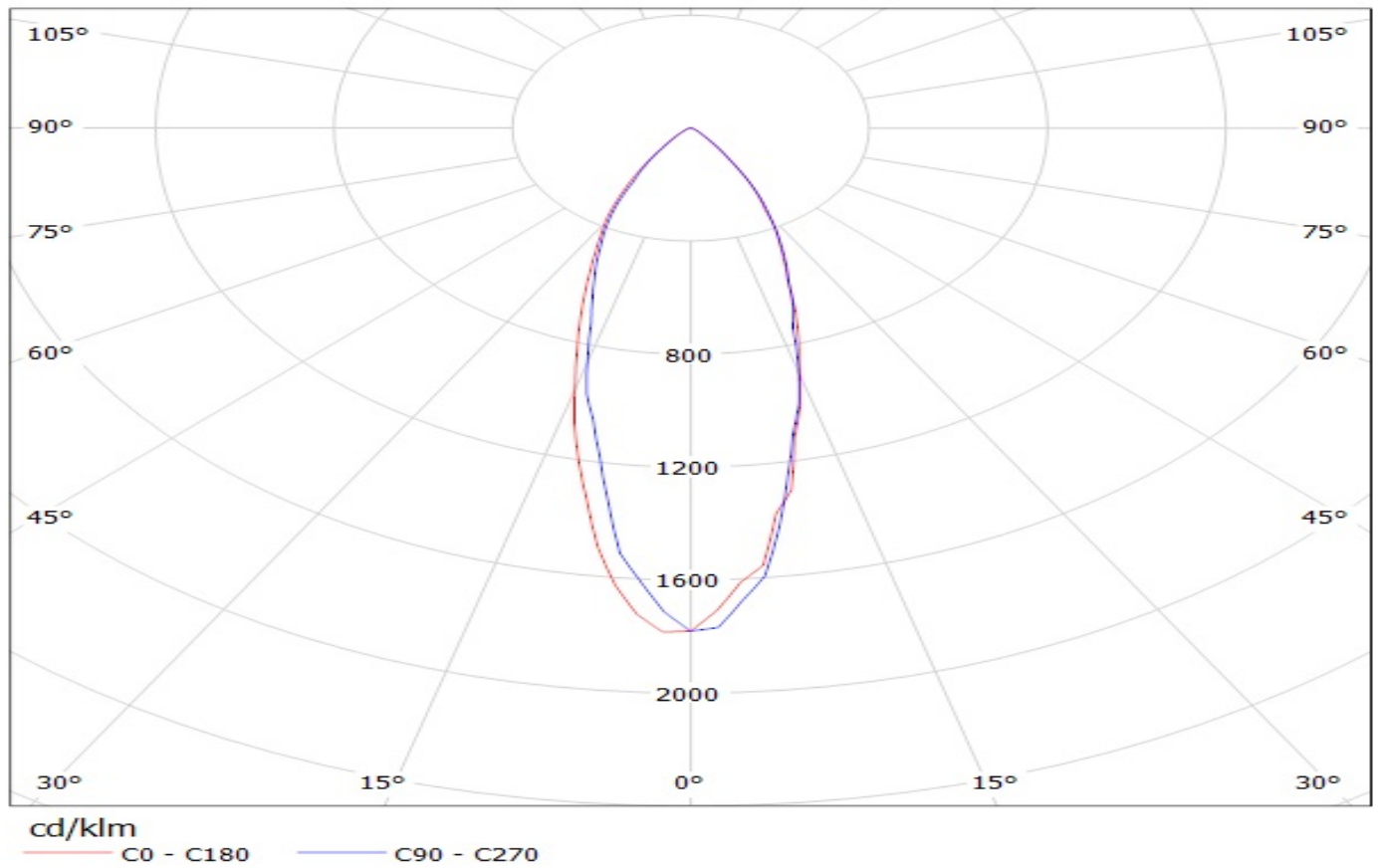
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Cree XM-L 111lm @ 250mA) Efficiency=80%  
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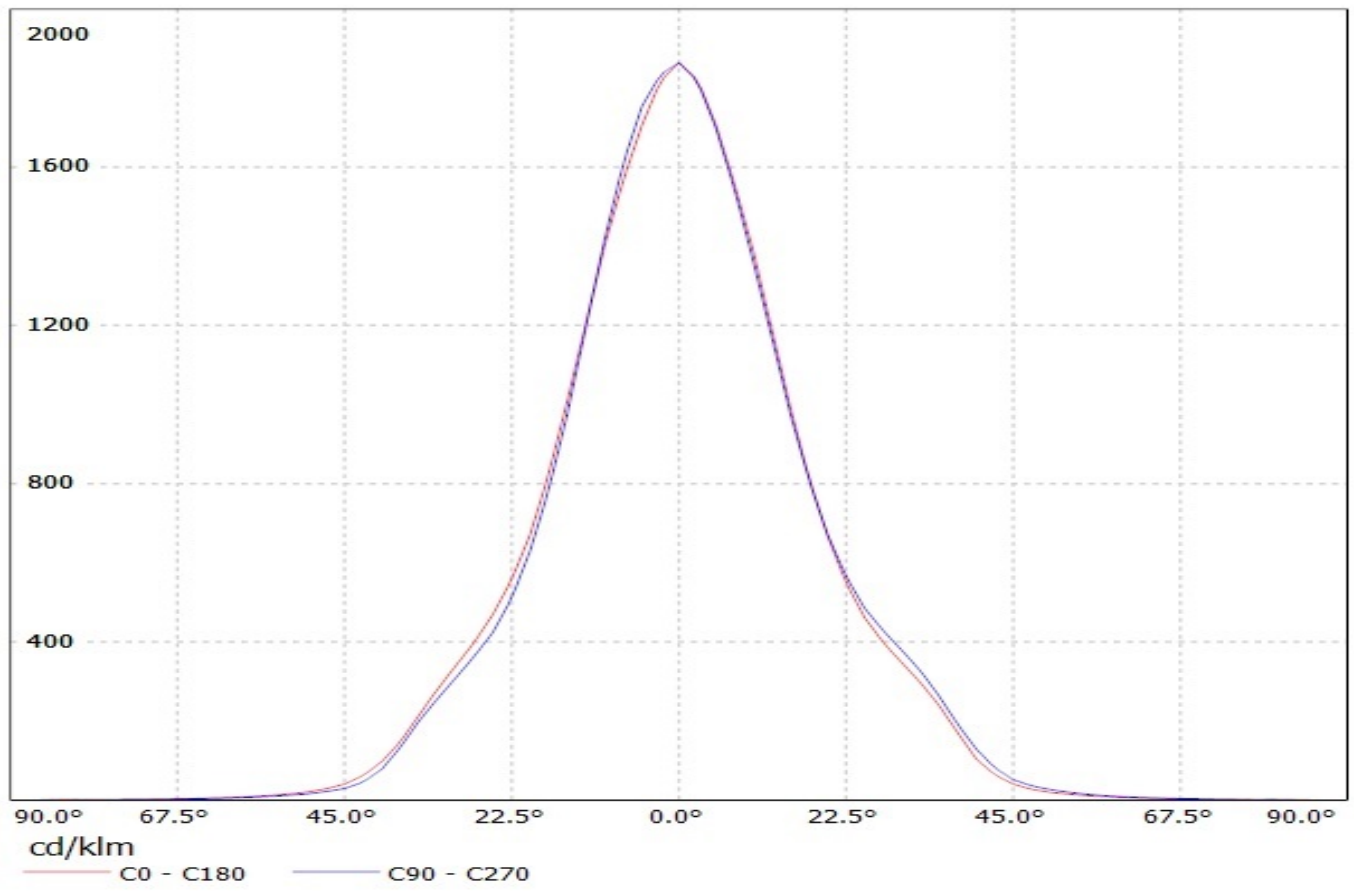
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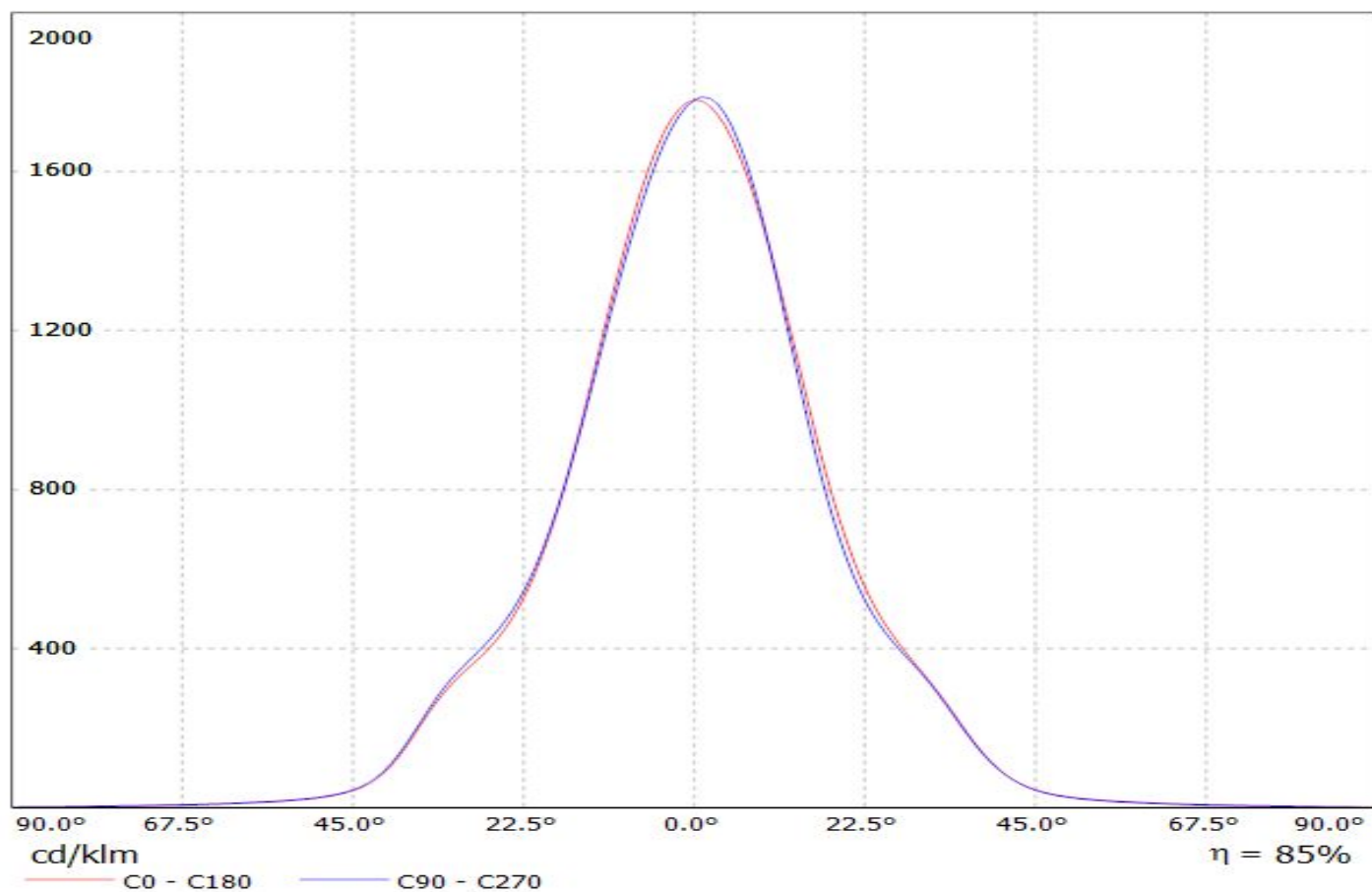
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Lamps: 1 x Cree XT-E 113lm @ 250mA



Luminaire: LEDil Oy CN12487\_MIRELLA-50-M-PIN-DL\_(XM-L2) Efficiency=82%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA

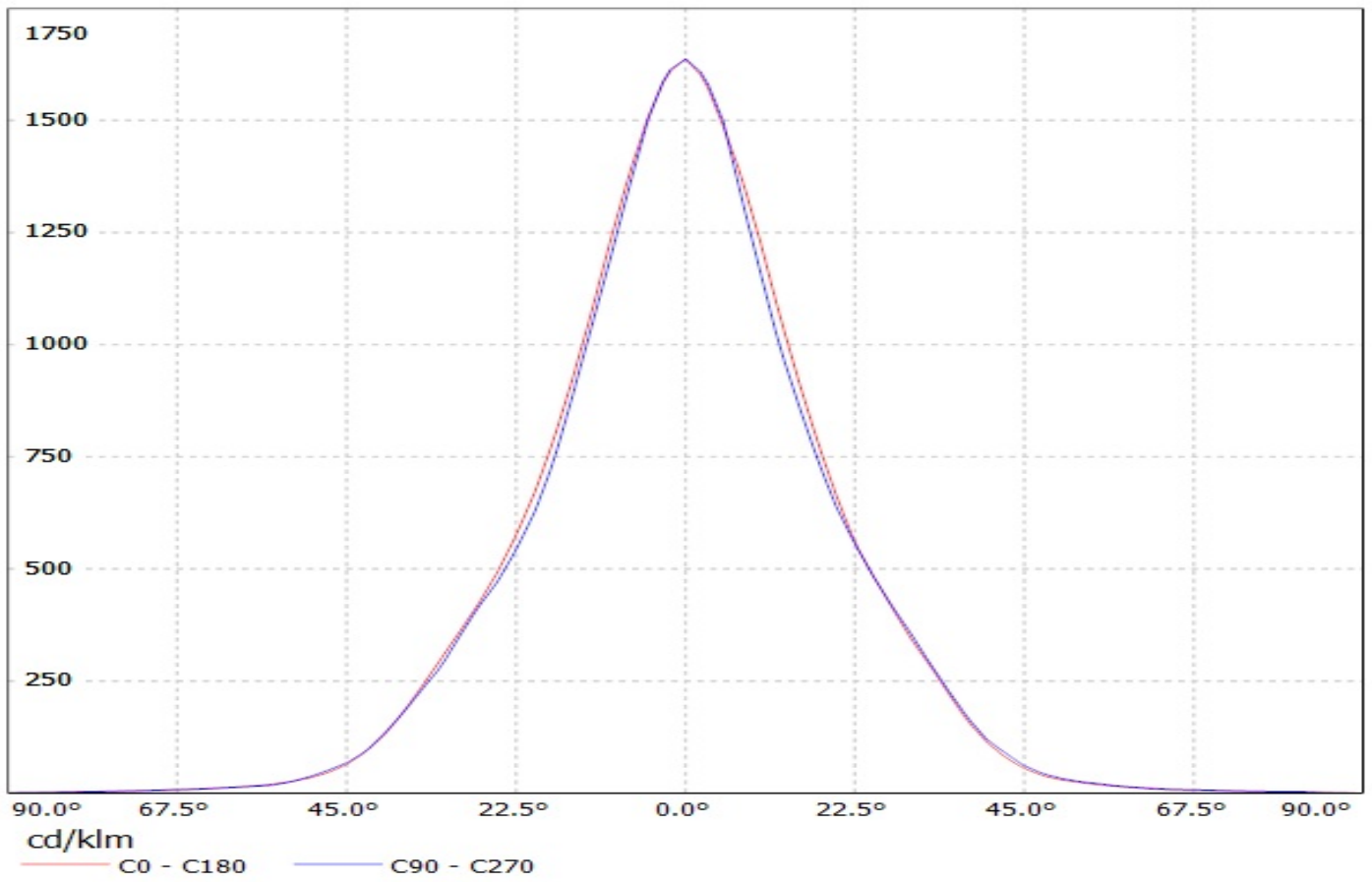


Luminaire: LEDiL Oy CN12487\_MIRELLA-50-M-PIN-DL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.491lm@250mA\_P=1.39994W\_I=0.2499A

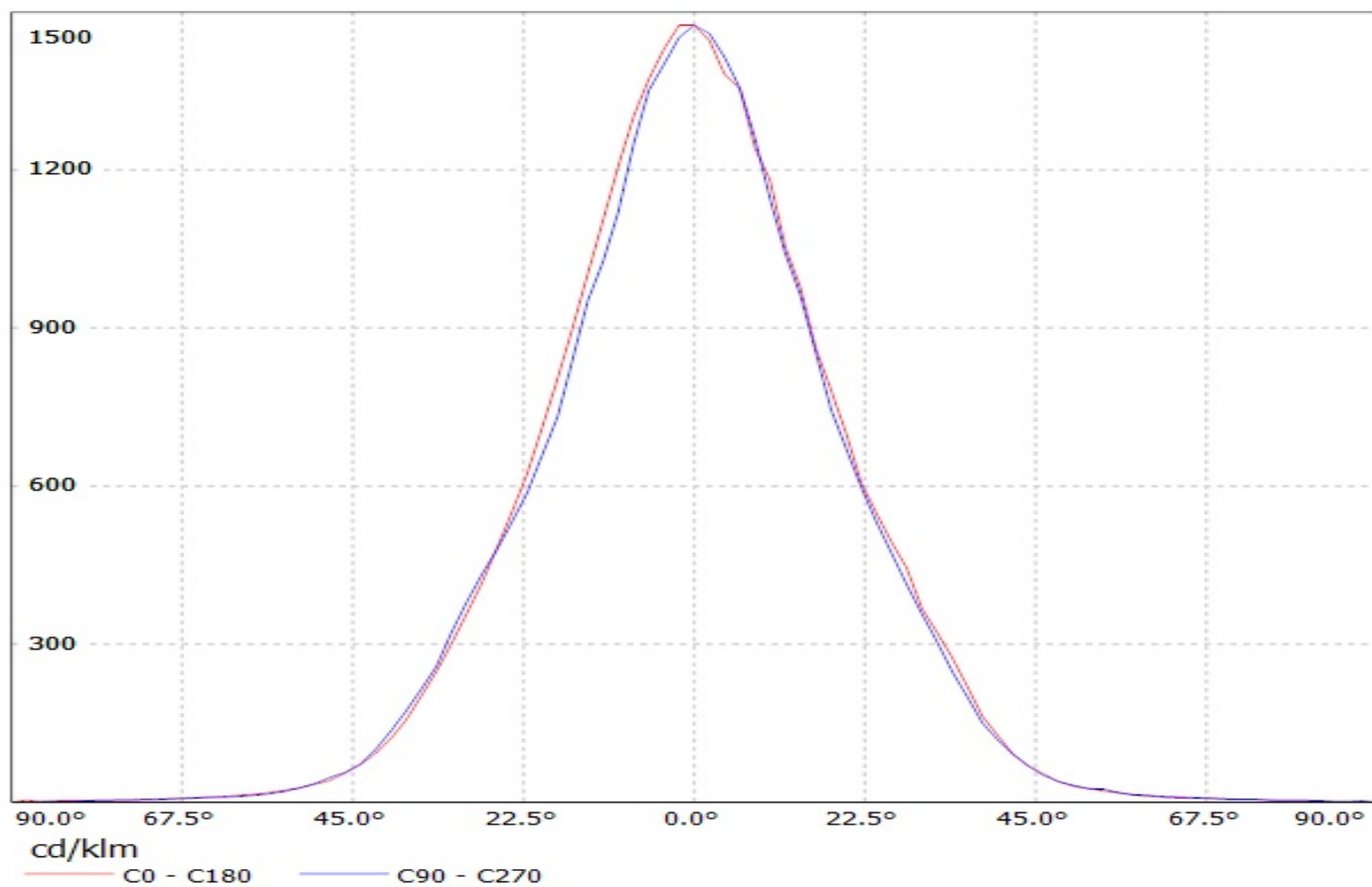




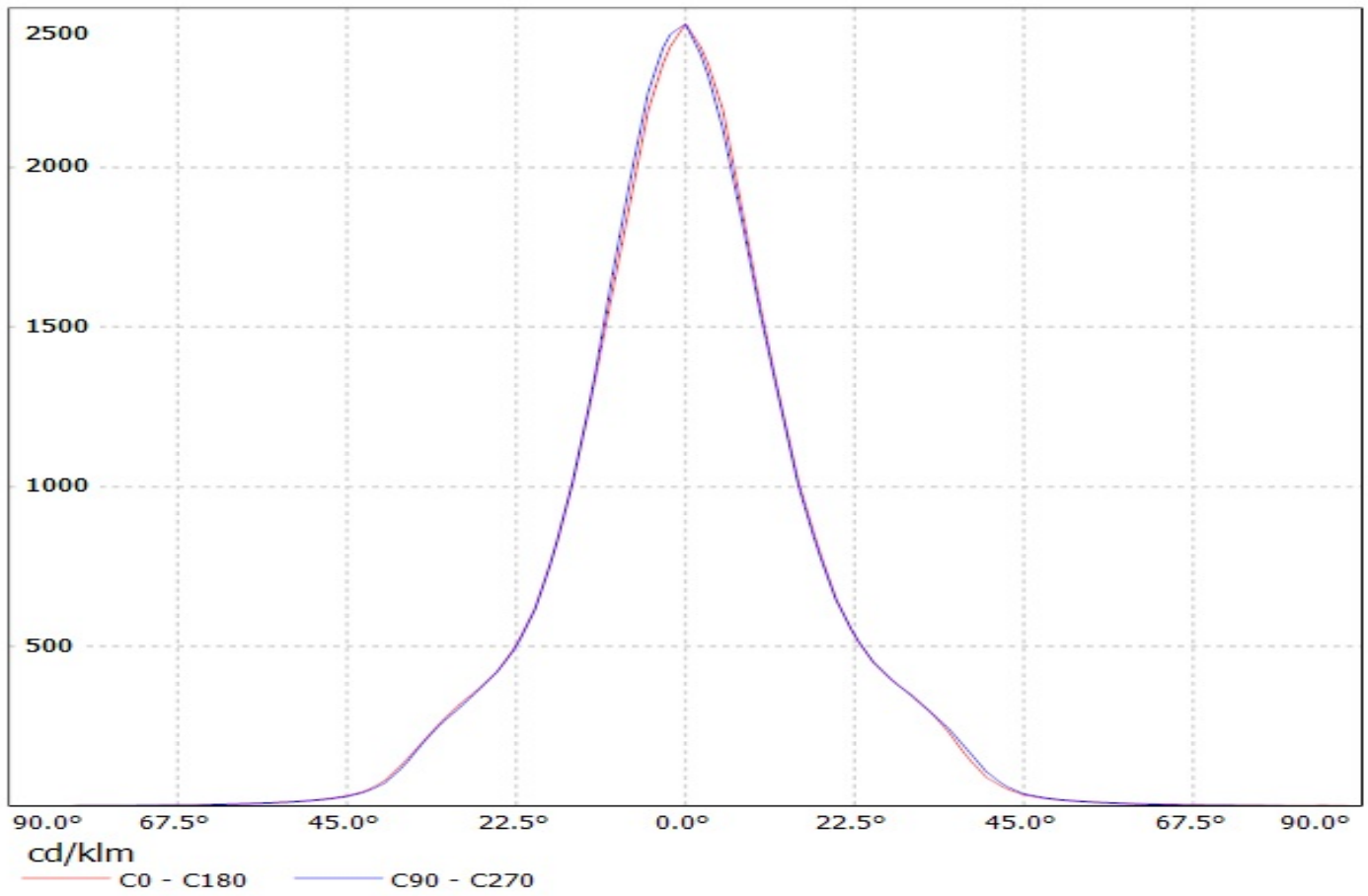
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Luxeon A 70lm @ 250mA) Efficiency=80%  
Lamps: 1 x Luxeon A 70lm @ 250mA



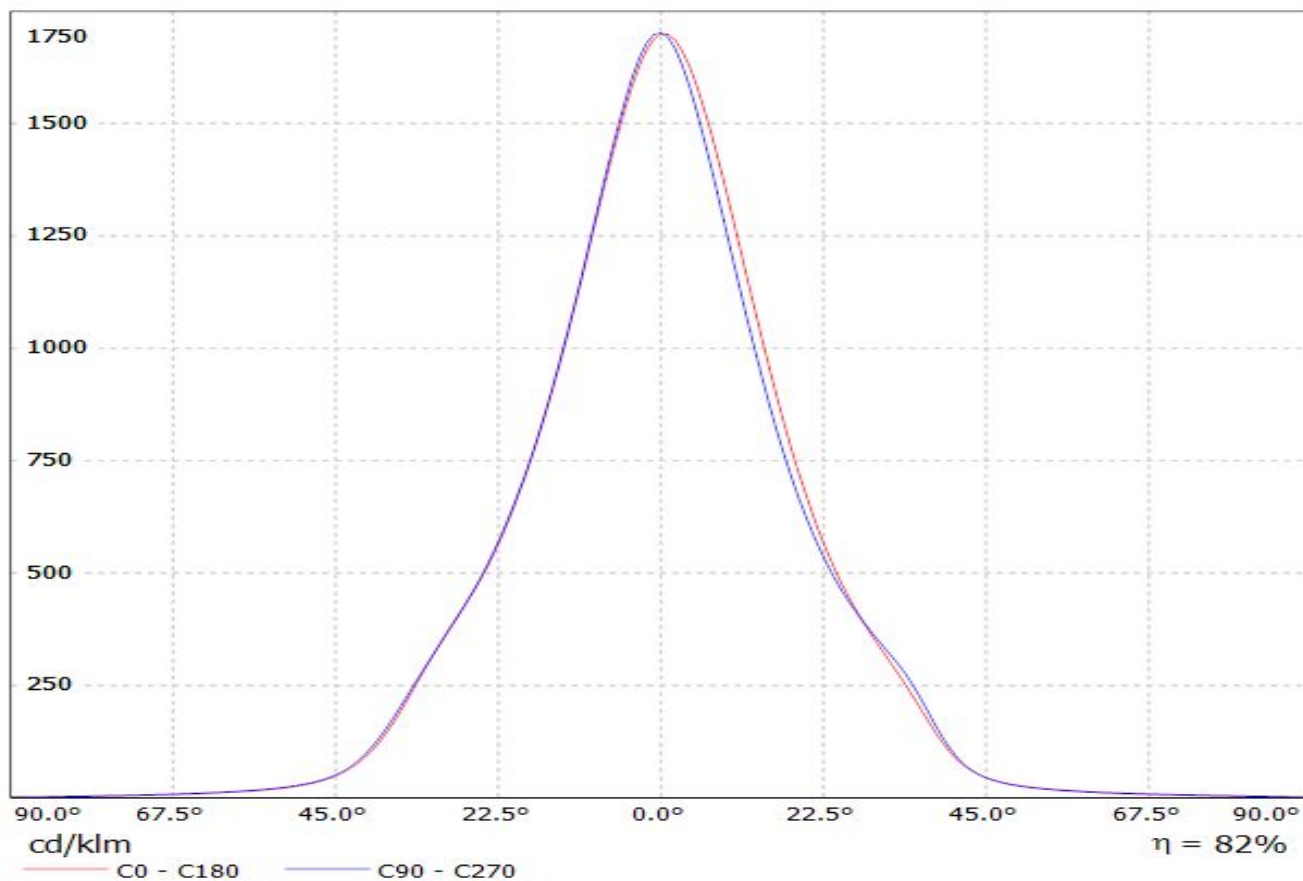
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Luxeon M 362lm @ 250mA) Efficiency=81%  
Lamps: 1 x Luxeon M 362lm @ 250mA



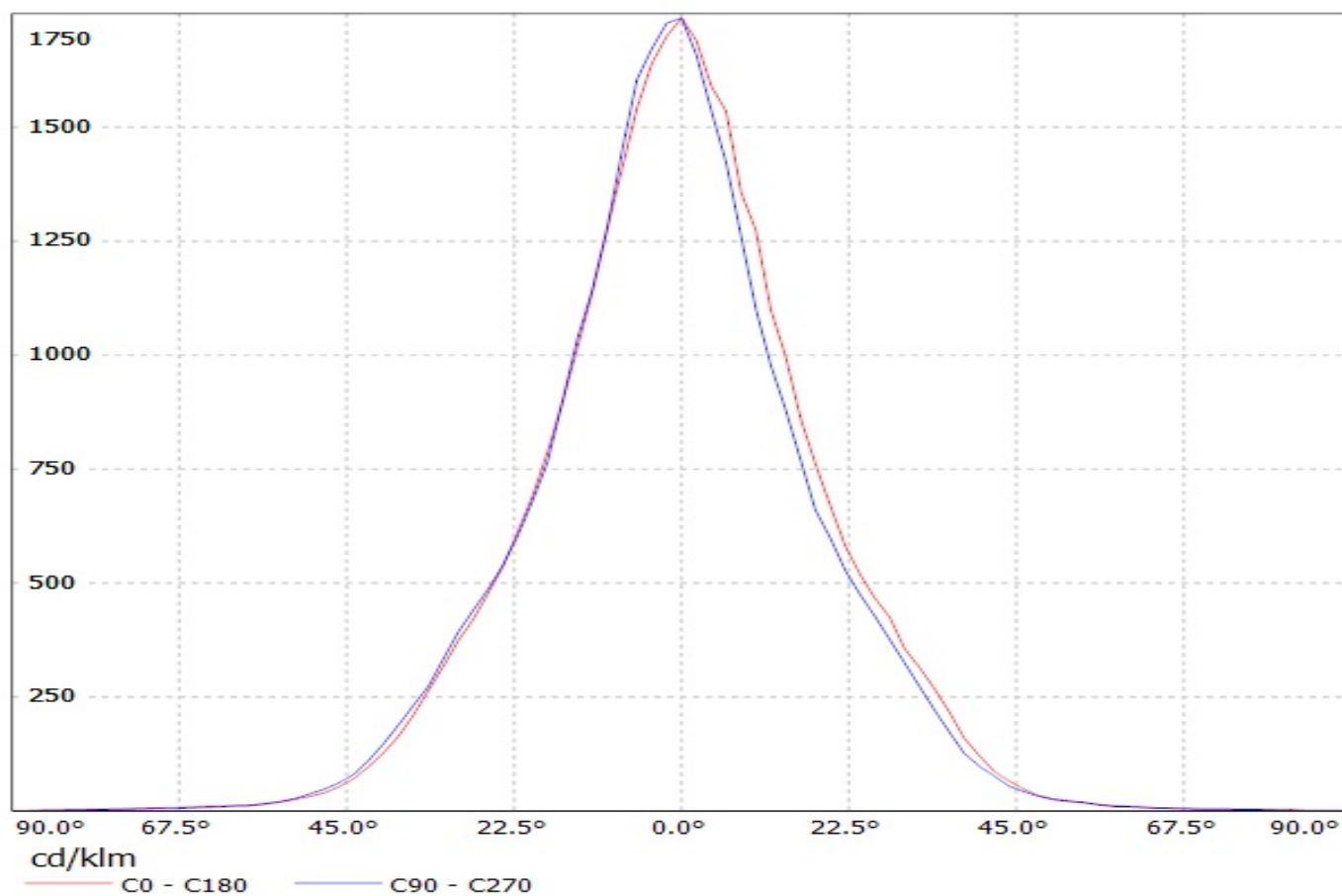
Luminaire: LEDil Oy CN12486\_MIRELLA-50-S-PIN-DL\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



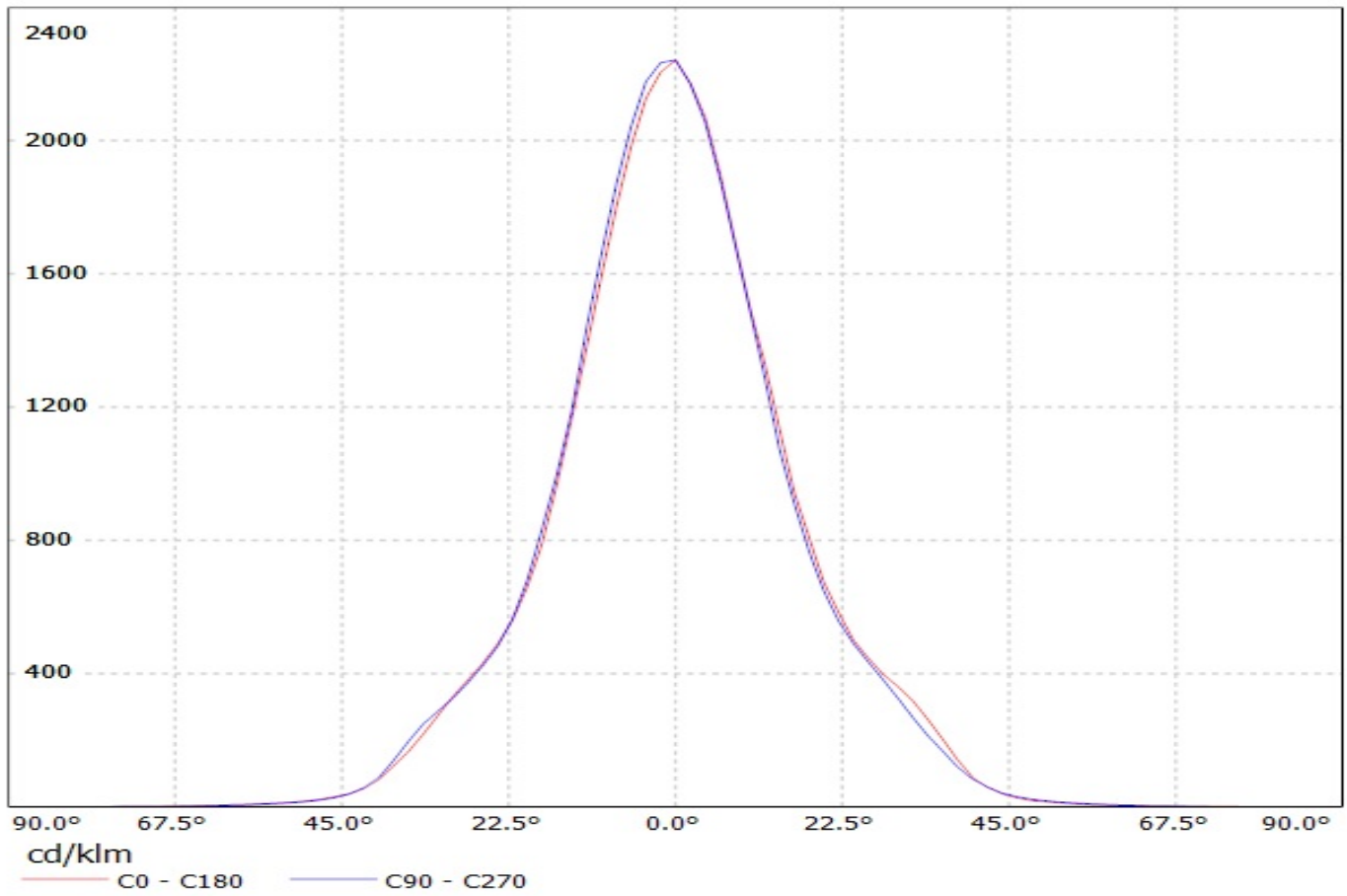
Luminaire: LEDiL Oy CN12487\_MIRELLA-50-M-PIN-DL\_(NS9x383) Eff. 82,5%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



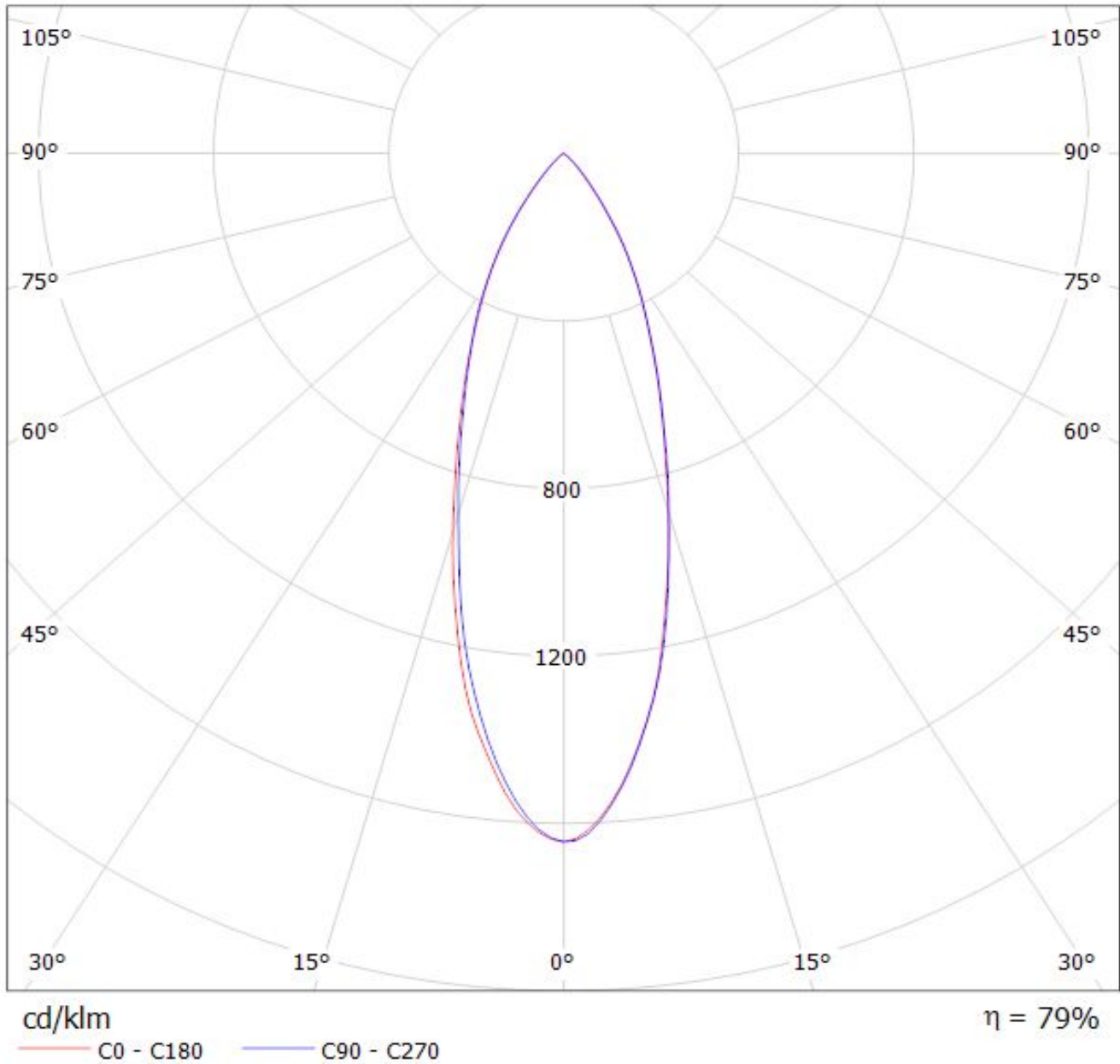
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Osram Square EC 78lm @ 250mA) Efficiency=79%  
Lamps: 1 x Osram Square EC 78lm @ 250mA



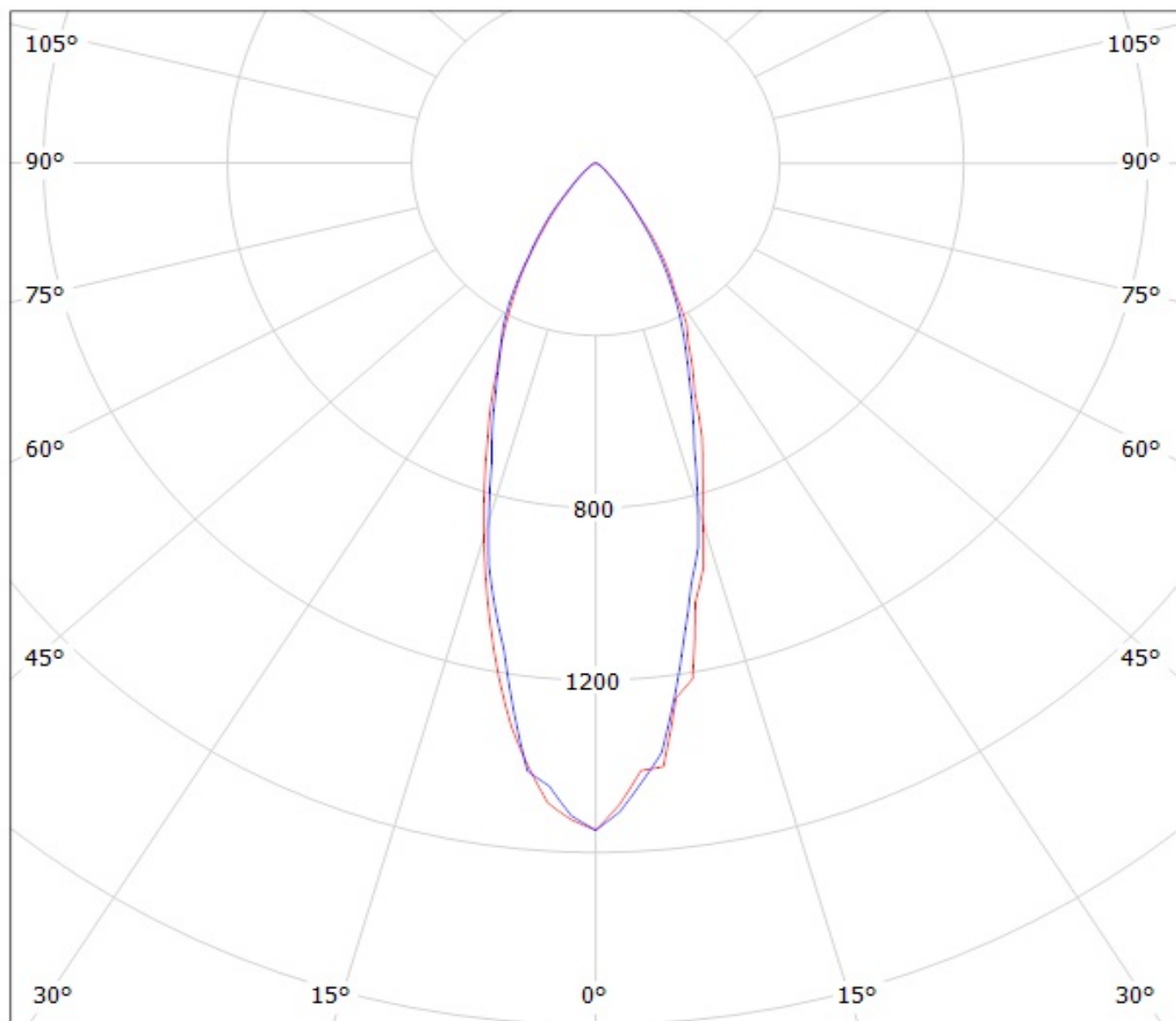
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Osram Duris S8 190lm @ 100mA) Efficiency=84%  
Lamps: 1 x Osram Duris S8 190lm @ 100mA (GWP9LMS1.EC) CCT=2857K P=1,8W I=100mA



Luminaire: LEDi L CN12487\_MIRELLA-50-M-PIN-DL\_(SM4) Eff.78%  
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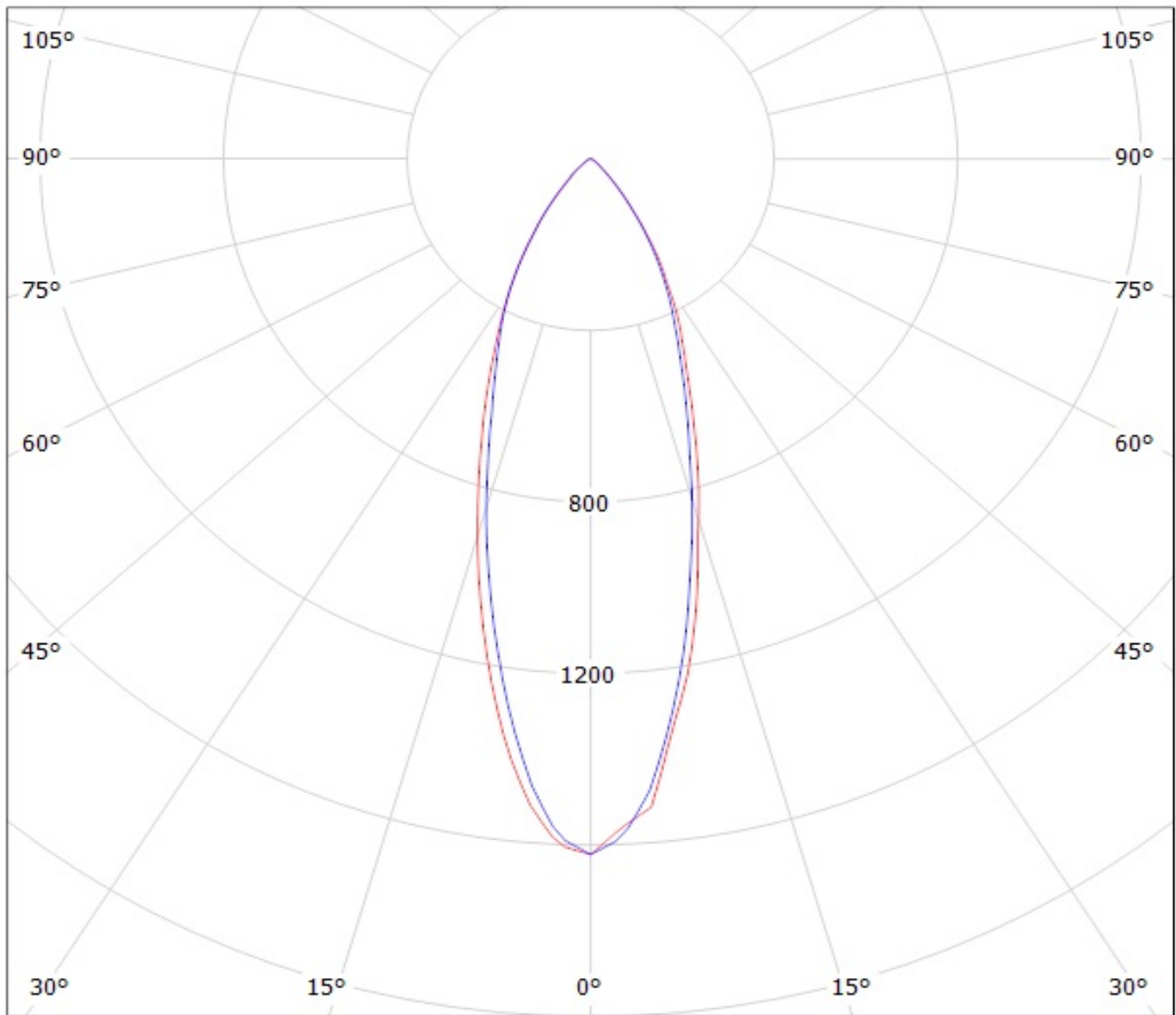
cd/klm

— C0 - C180

— C90 - C270

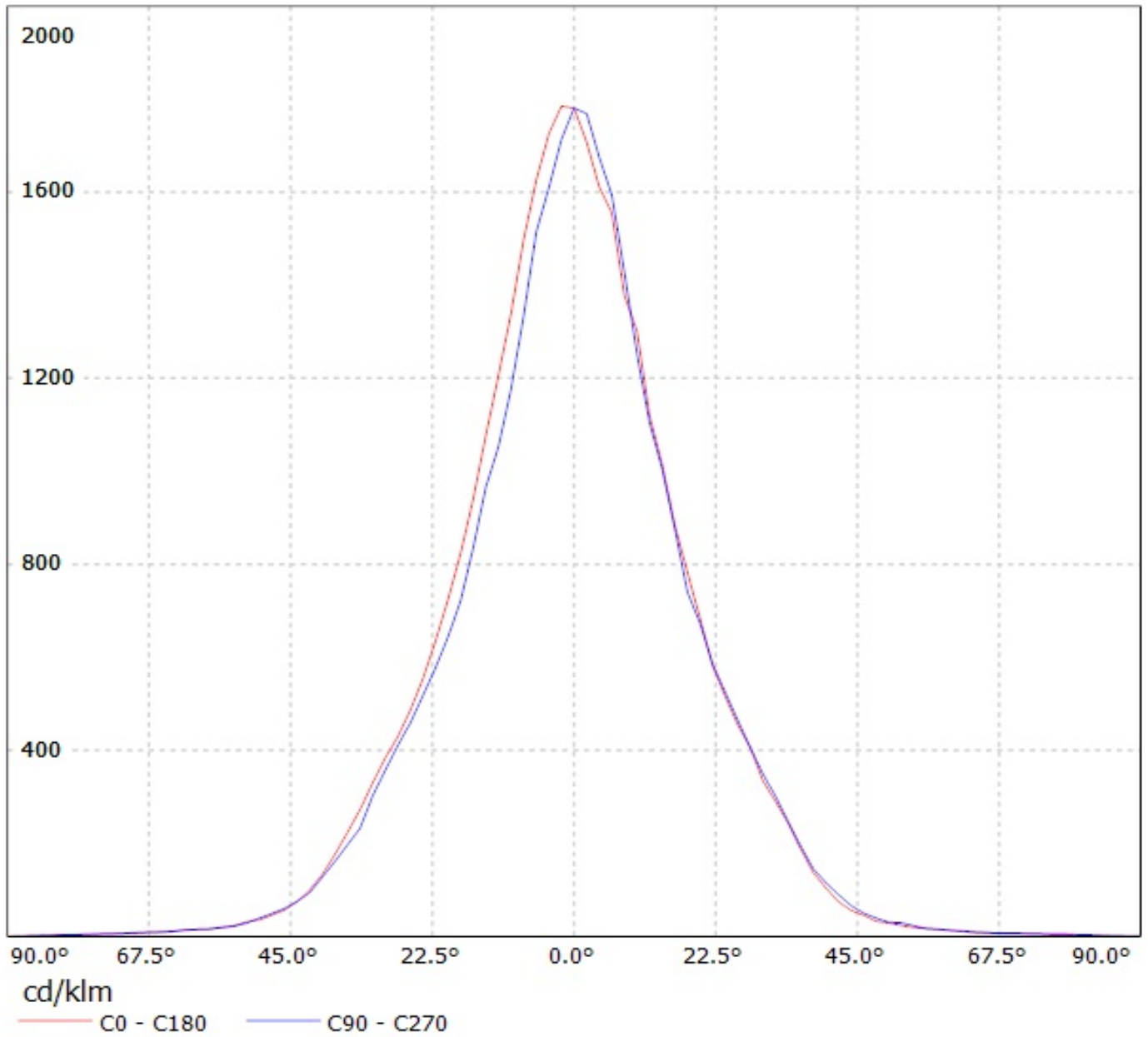


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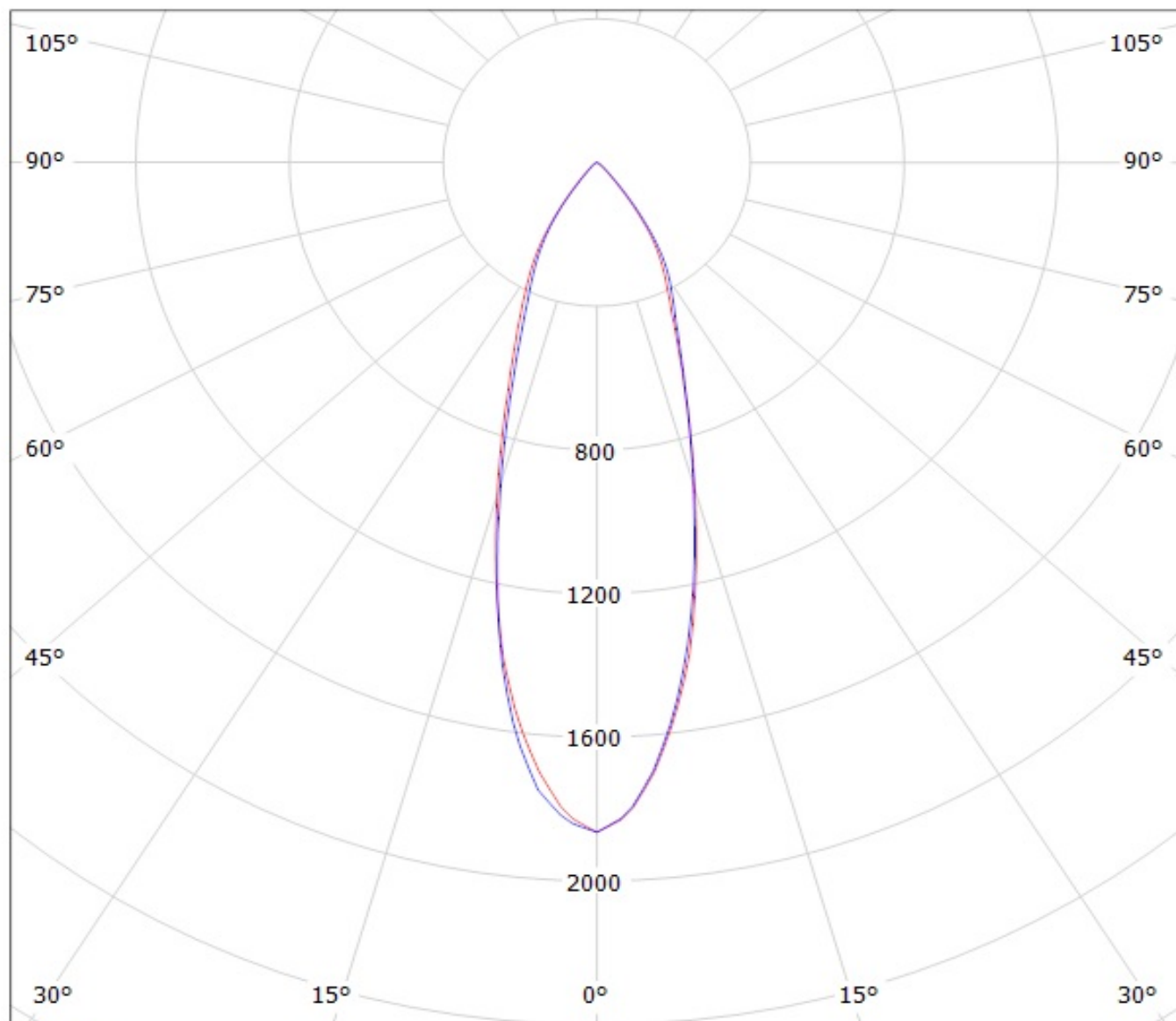


cd/klm  
— C0 - C180    — C90 - C270

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Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA

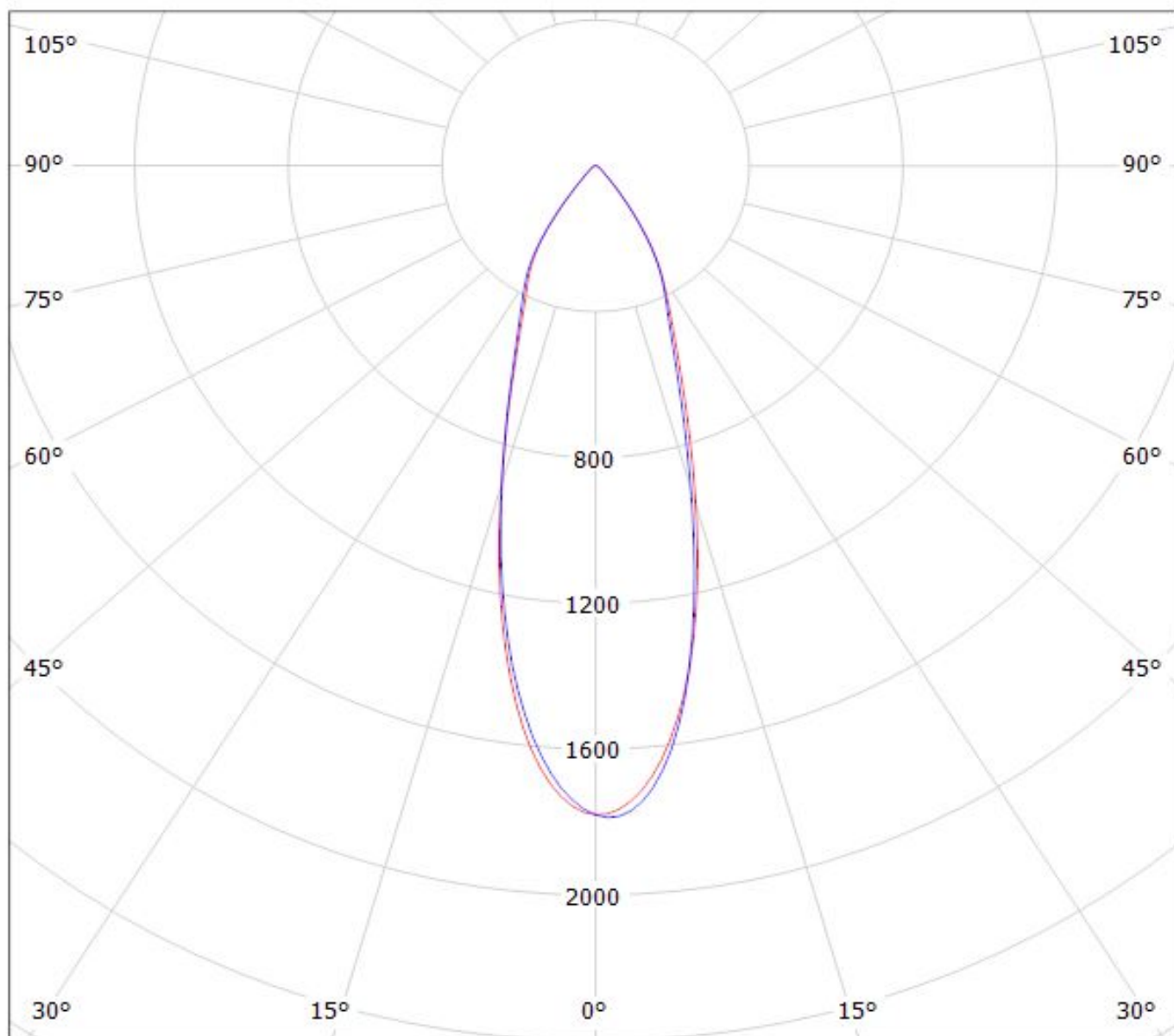


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN12487\_MIRELLA-50-M-PIN-DL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.491lm@250mA\_P=1.39994W\_I=0.2499A

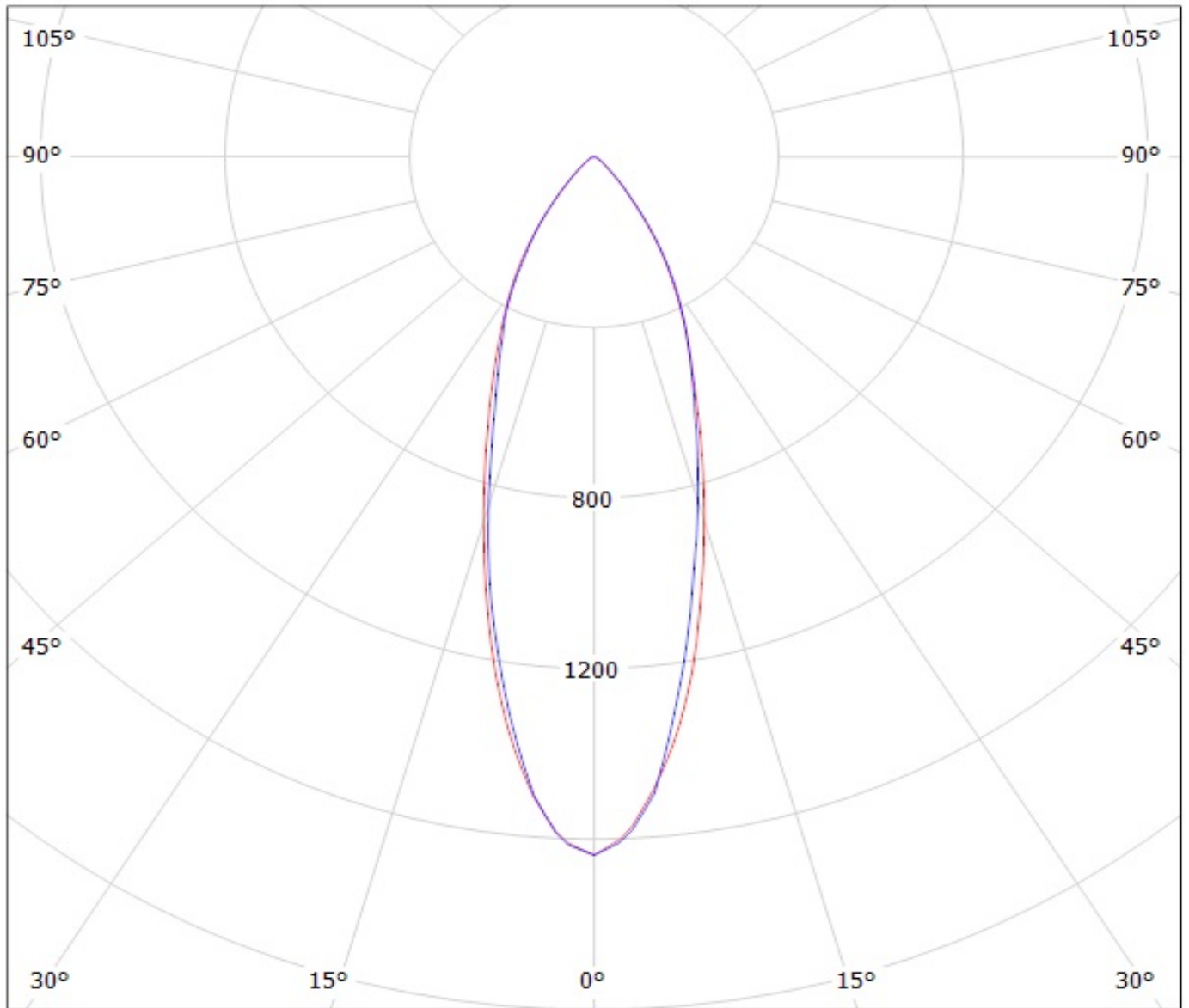


cd/klm

— C0 - C180    — C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Luxeon A 70lm @ 250mA) Efficiency=80%  
Lamps: 1 x Luxeon A 70lm @ 250mA

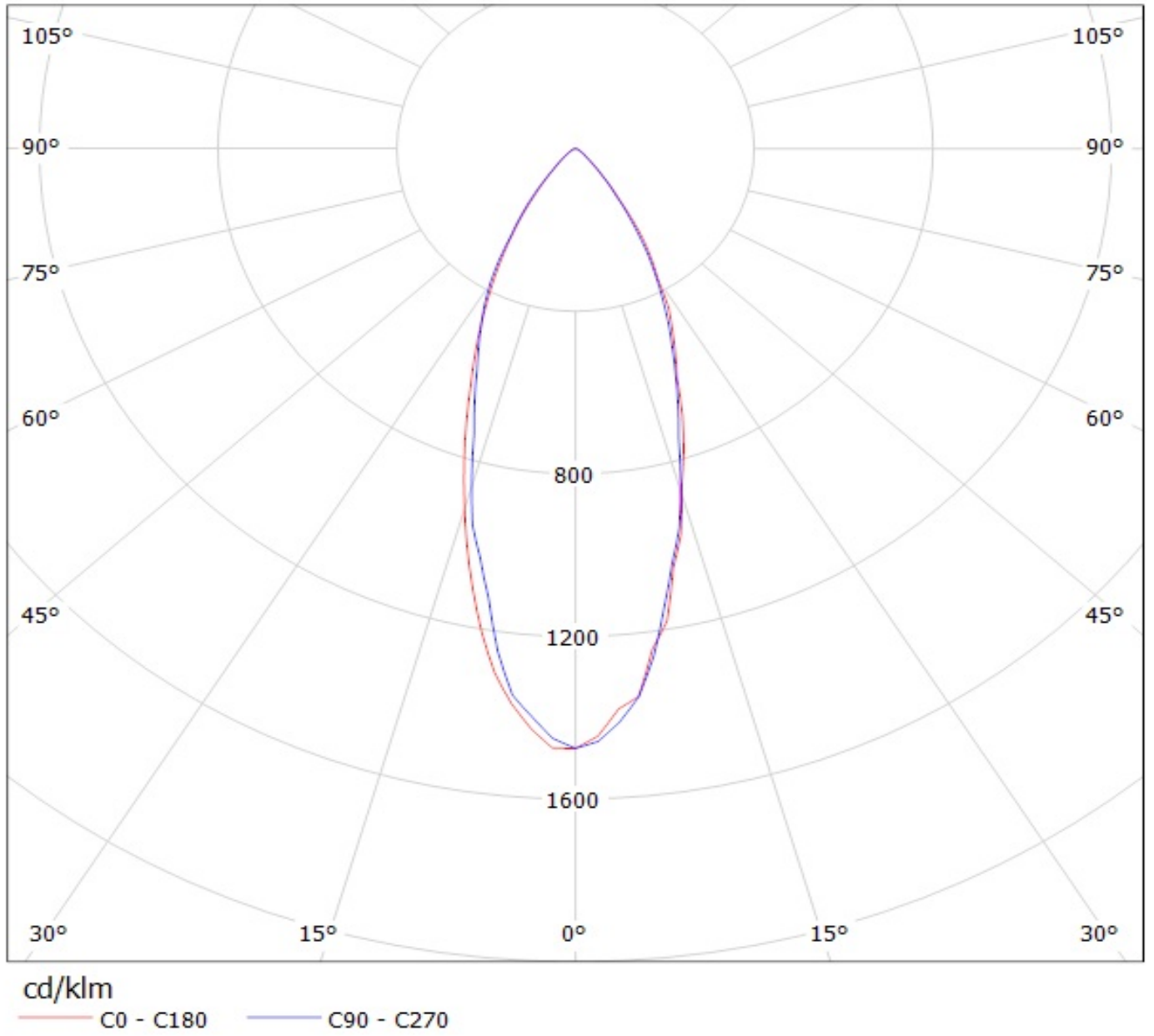


cd/klm

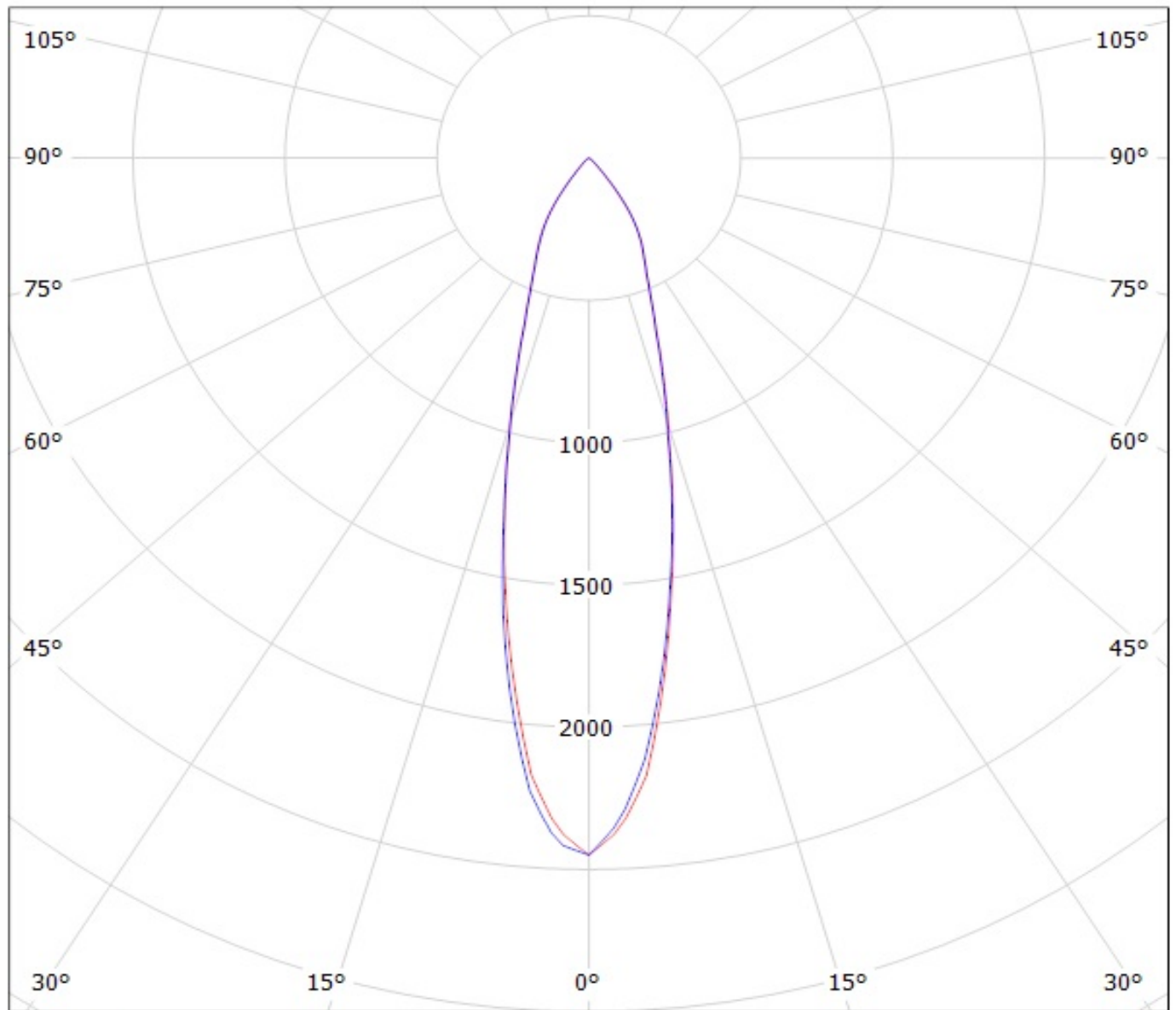
— C0 - C180

— C90 - C270

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Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: LEDil Oy CN12486\_MIRELLA-50-S-PIN-DL\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

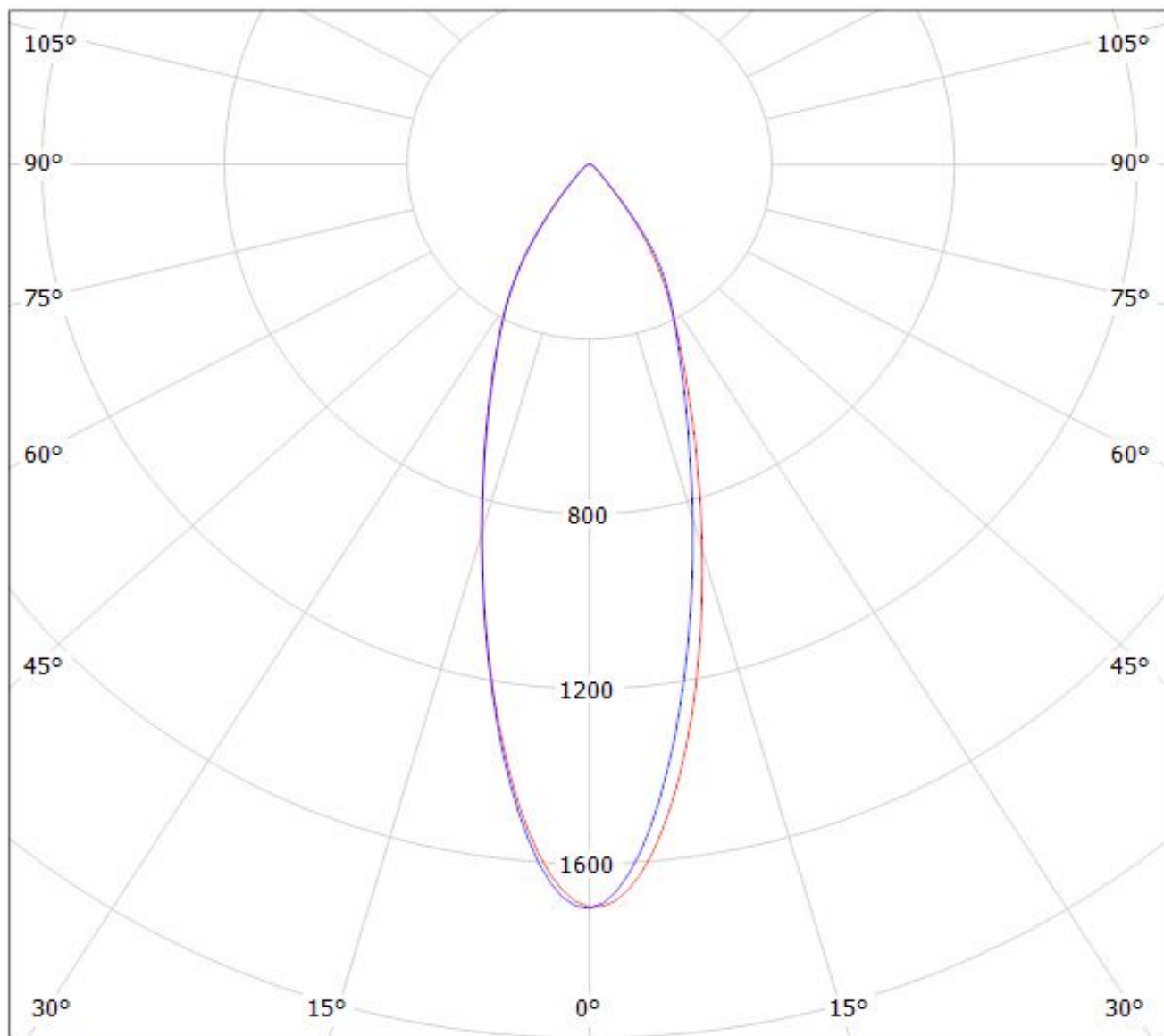


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CN12487\_MIRELLA-50-M-PIN-DL\_(NS9x383) Eff. 82,5%

Lamps: 1 x Nichia NS9x383 (105lm@250mA)



cd/klm

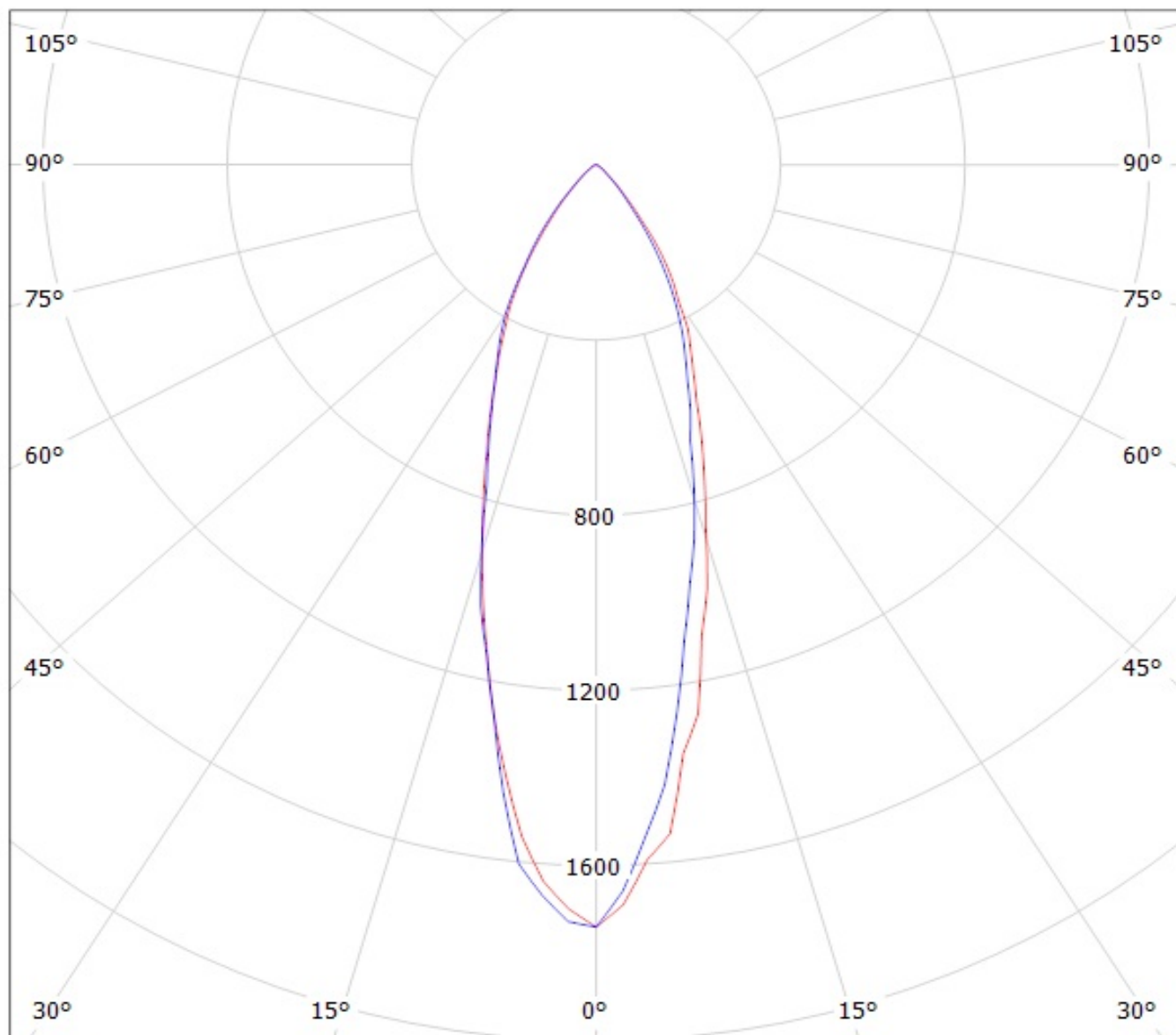
— C0 - C180

— C90 - C270

$\eta = 82\%$



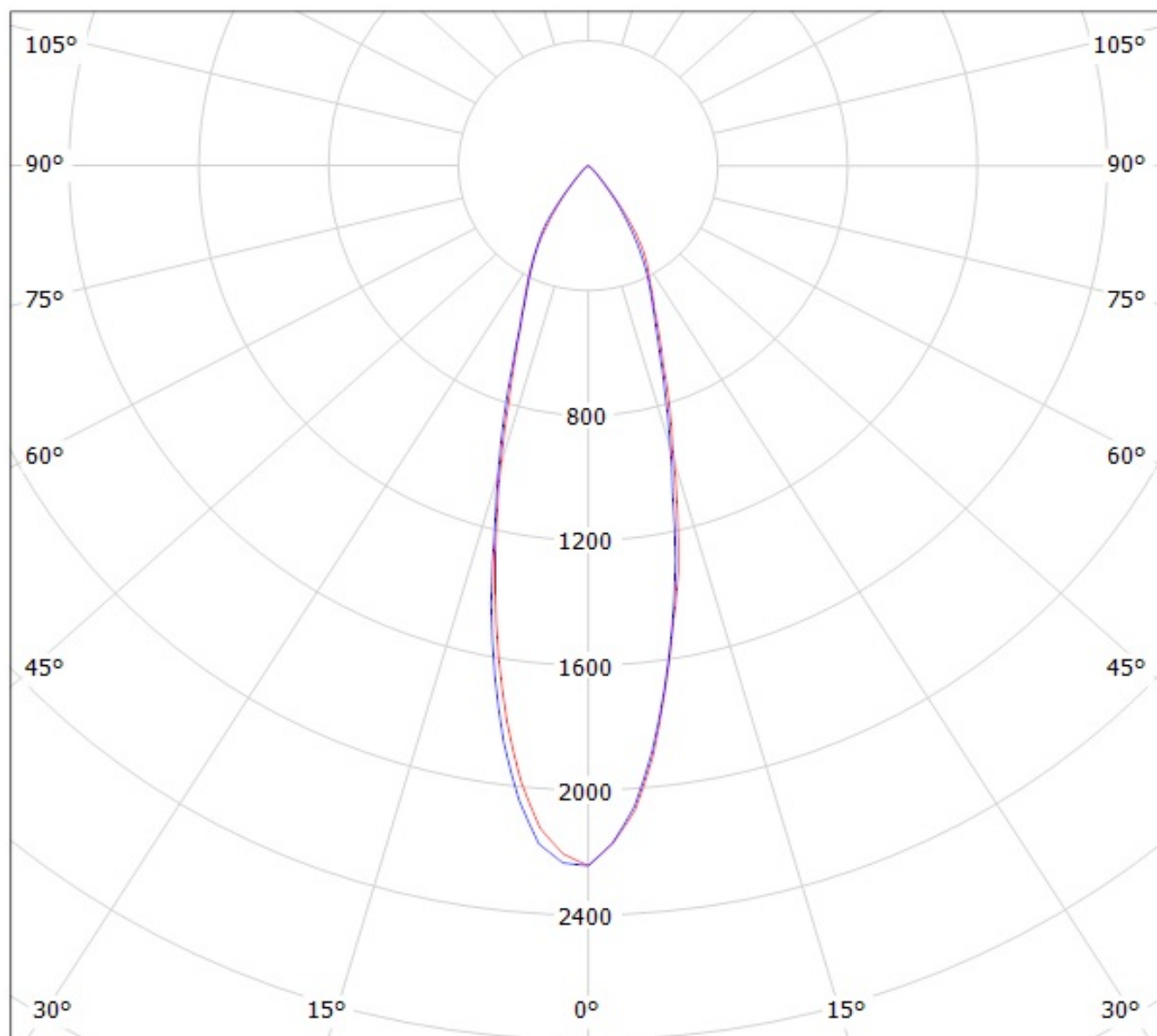
Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Osram Square EC 78lm @ 250mA) Efficiency=79%  
Lamps: 1 x Osram Square EC 78lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CN12487\_MIRELLA-50-M-PIN-DL (Osram Duris S8 190lm @ 100mA) Efficiency=84%  
Lamps: 1 x Osram Duris S8 190lm @ 100mA (GWP9LMS1.EC) CCT=2857K P=1,8W I=100mA



cd/klm

— C0 - C180

— C90 - C270

**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.**