

## DETAILS

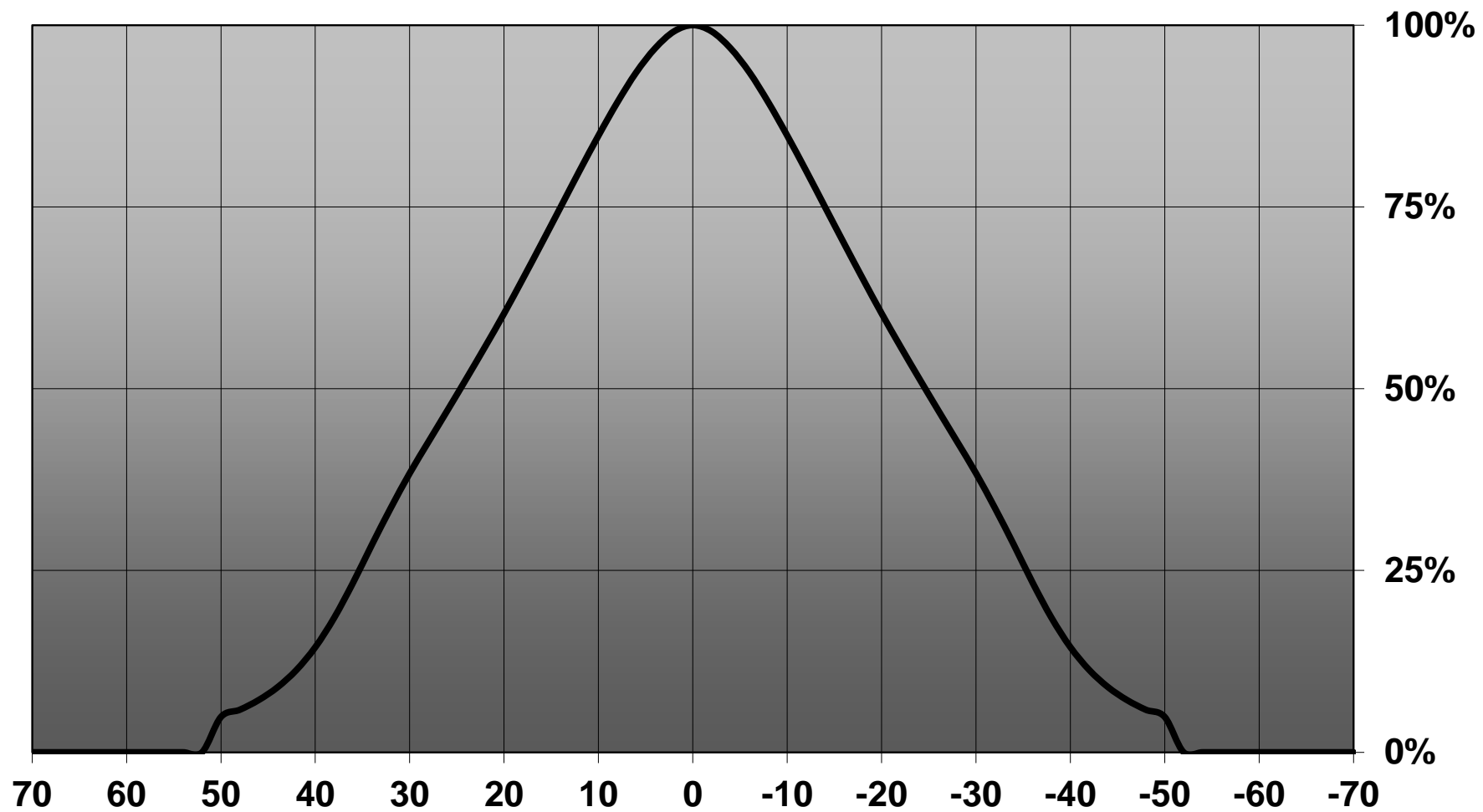
<b>Product Number</b>	CN12488_MIRELLA-50-W-PIN-DL
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	23,9 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	24/06/2013

## OPTICAL PROPERTIES

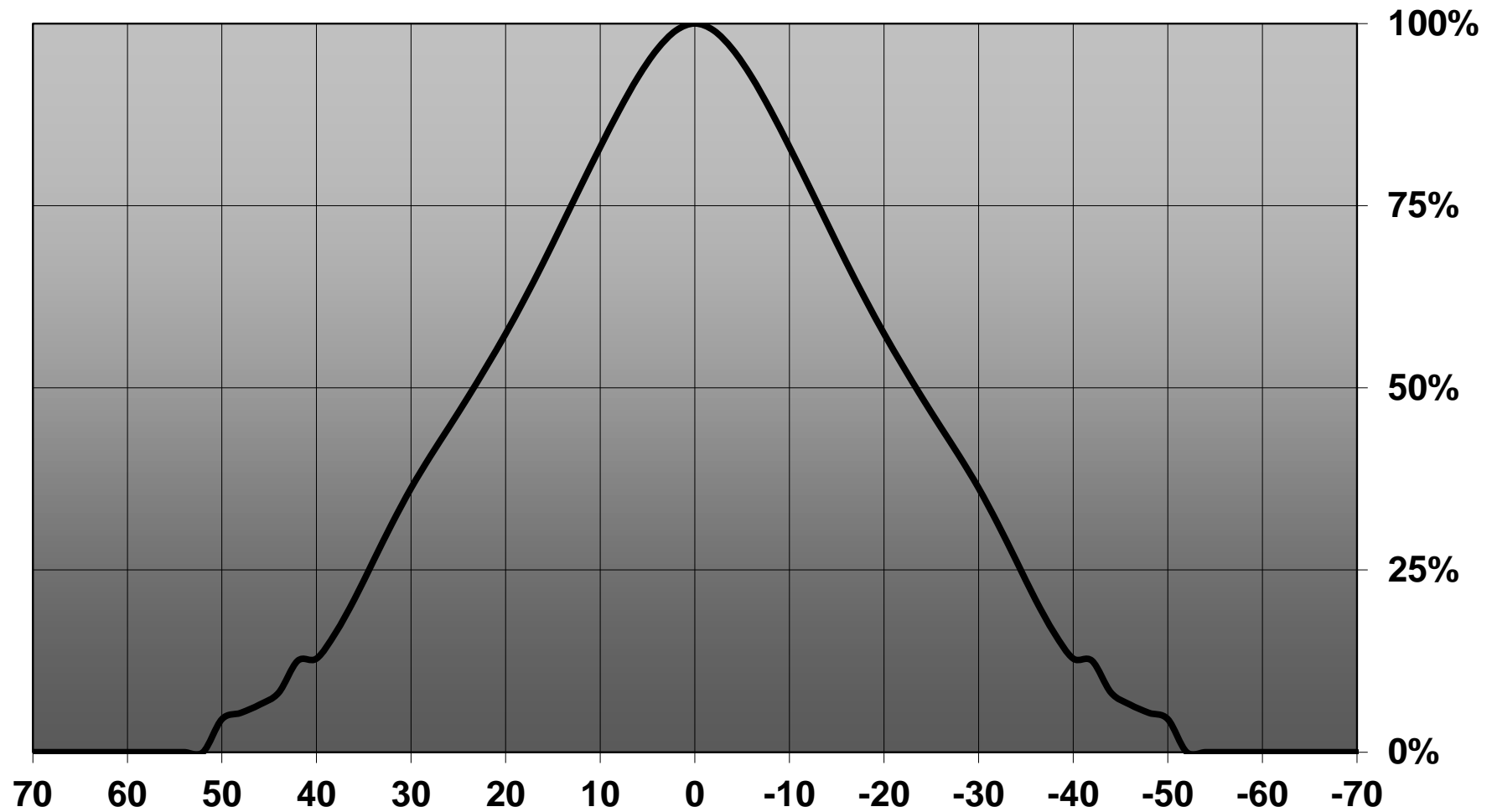
LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
SM4	49 deg	Wide	77 %	1.080	-
XM-L	46 deg	Wide	80 %	1.000	-
XP-G	50 deg	Wide	80 %	1.050	-
XT-E	46 deg	Wide	77 %	0.950	-
XP-G2	45 deg	Wide	83 %	1.300	-
XM-L2	49 deg	Wide	81 %	1.100	-
MHB-A/B	51 deg	Wide	82 %	1.170	-
XHP50	51 deg	Wide	84 %	1.100	-
LUXEON A	48 deg	Wide	80 %	1.030	-
LUXEON M/MX	54 deg	Wide	80 %	0.980	-
LUXEON MZ	40 deg	Wide	82 %	1.500	-
NS9x383	46 deg	Wide	83 %	1.150	-
Oslon Square EC	50 deg	Wide	79 %	1.060	-
Duris S8	44 deg	Wide	83 %	1.300	-
Duris P10	sim: 50	Wide	sim: 87 %	sim: 1.200	-



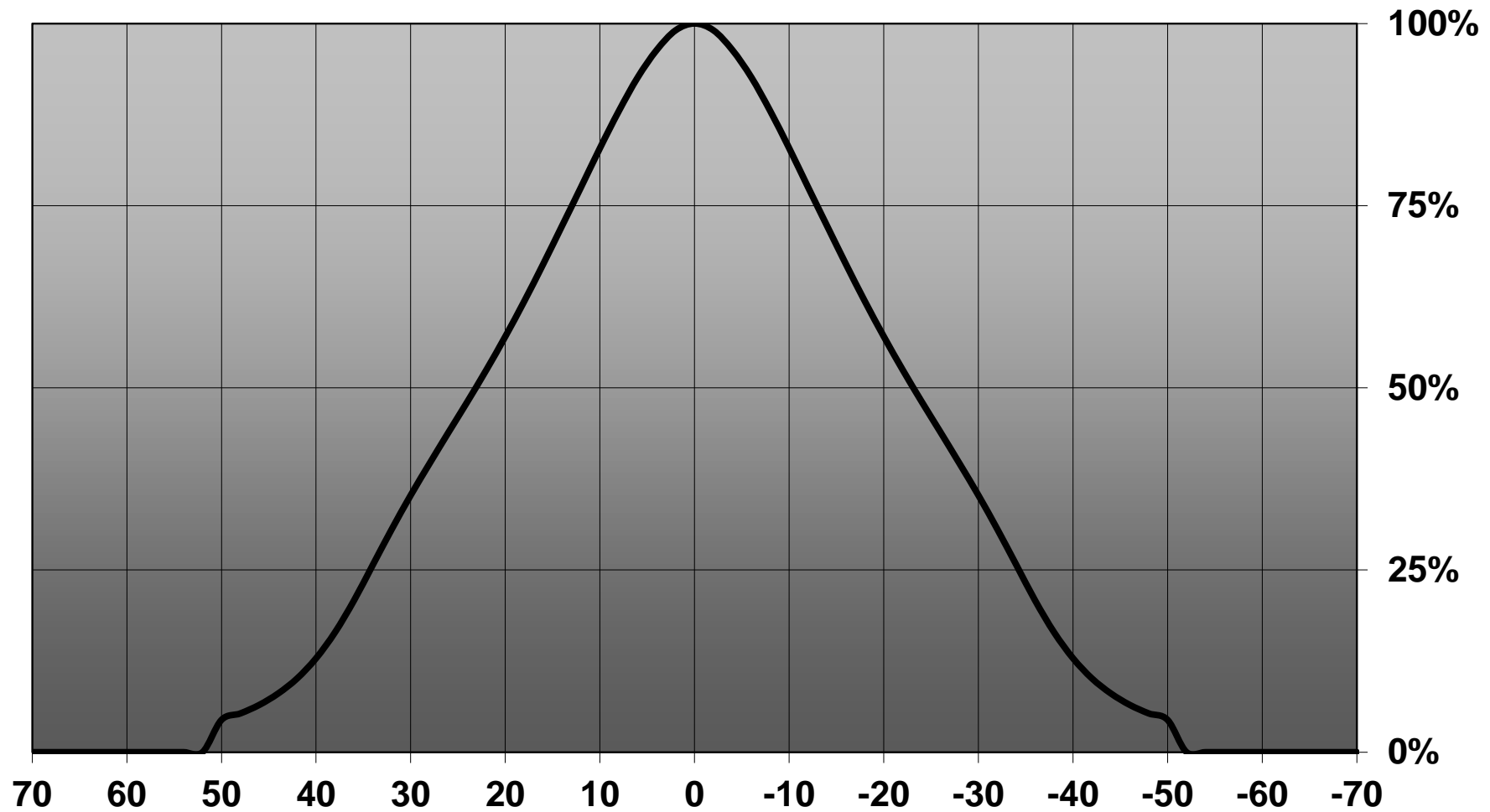
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(XM-L)



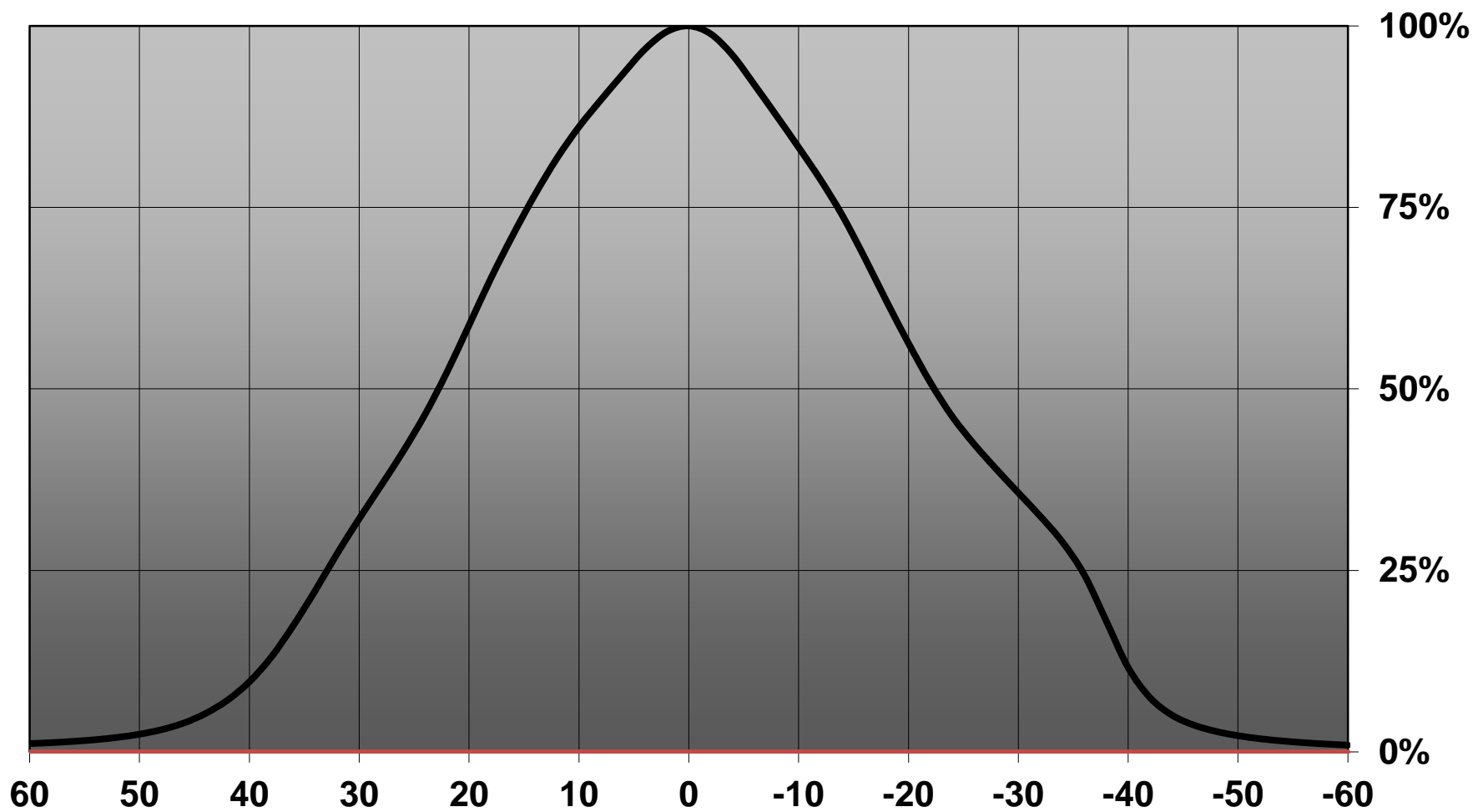
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(XP-G)



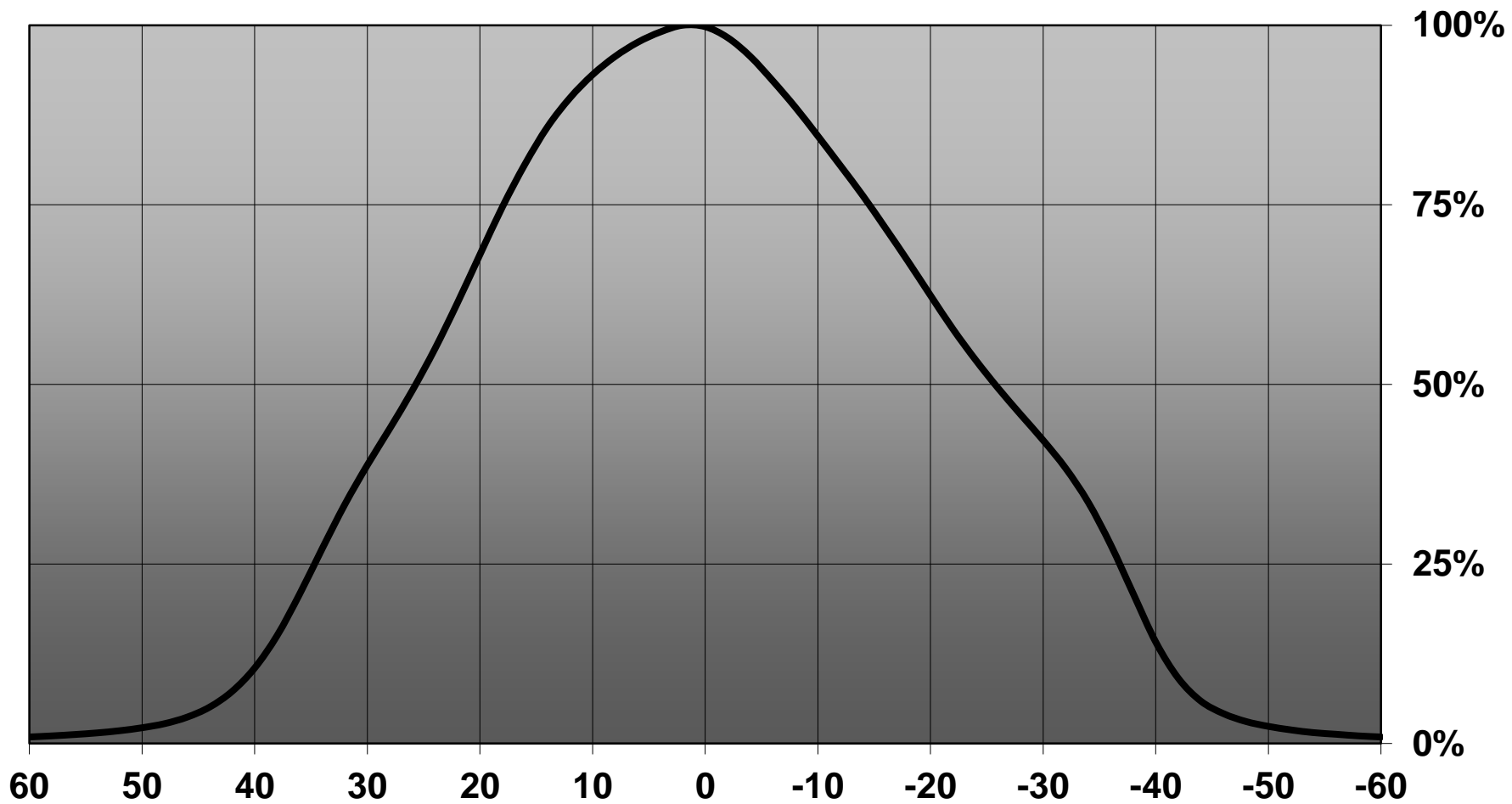
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(XT-E)



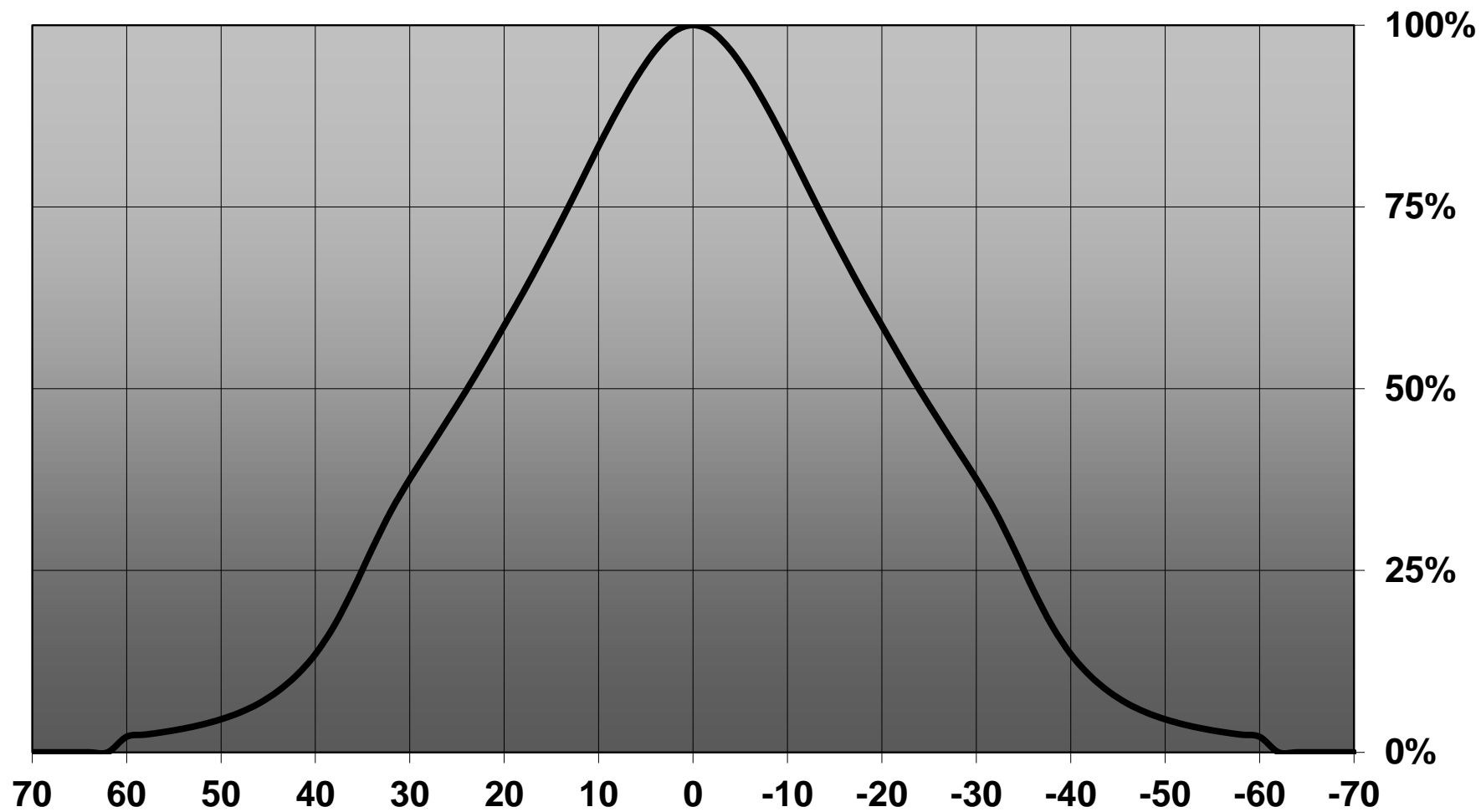
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL-(XPG2)



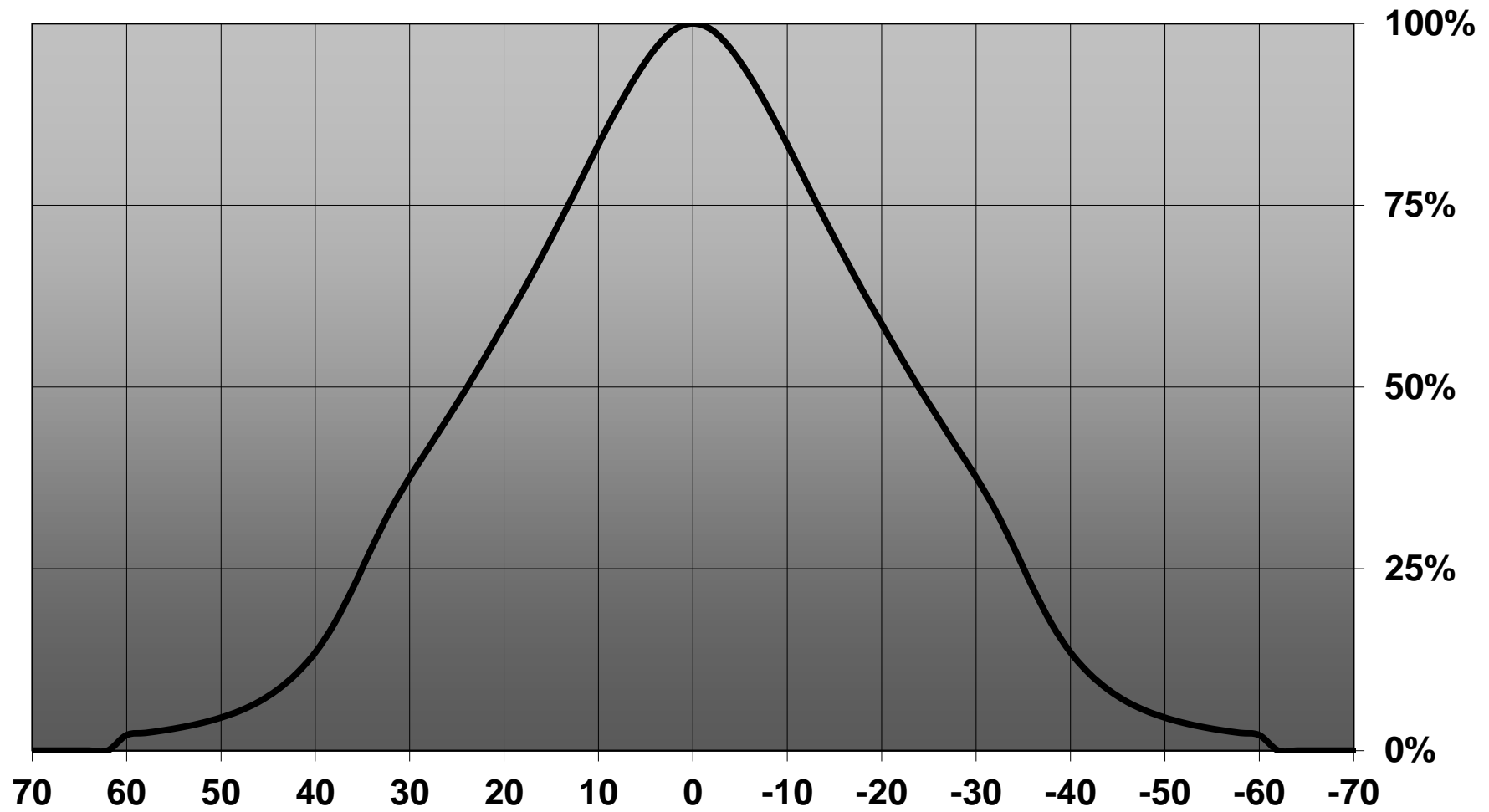
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(MH-B)



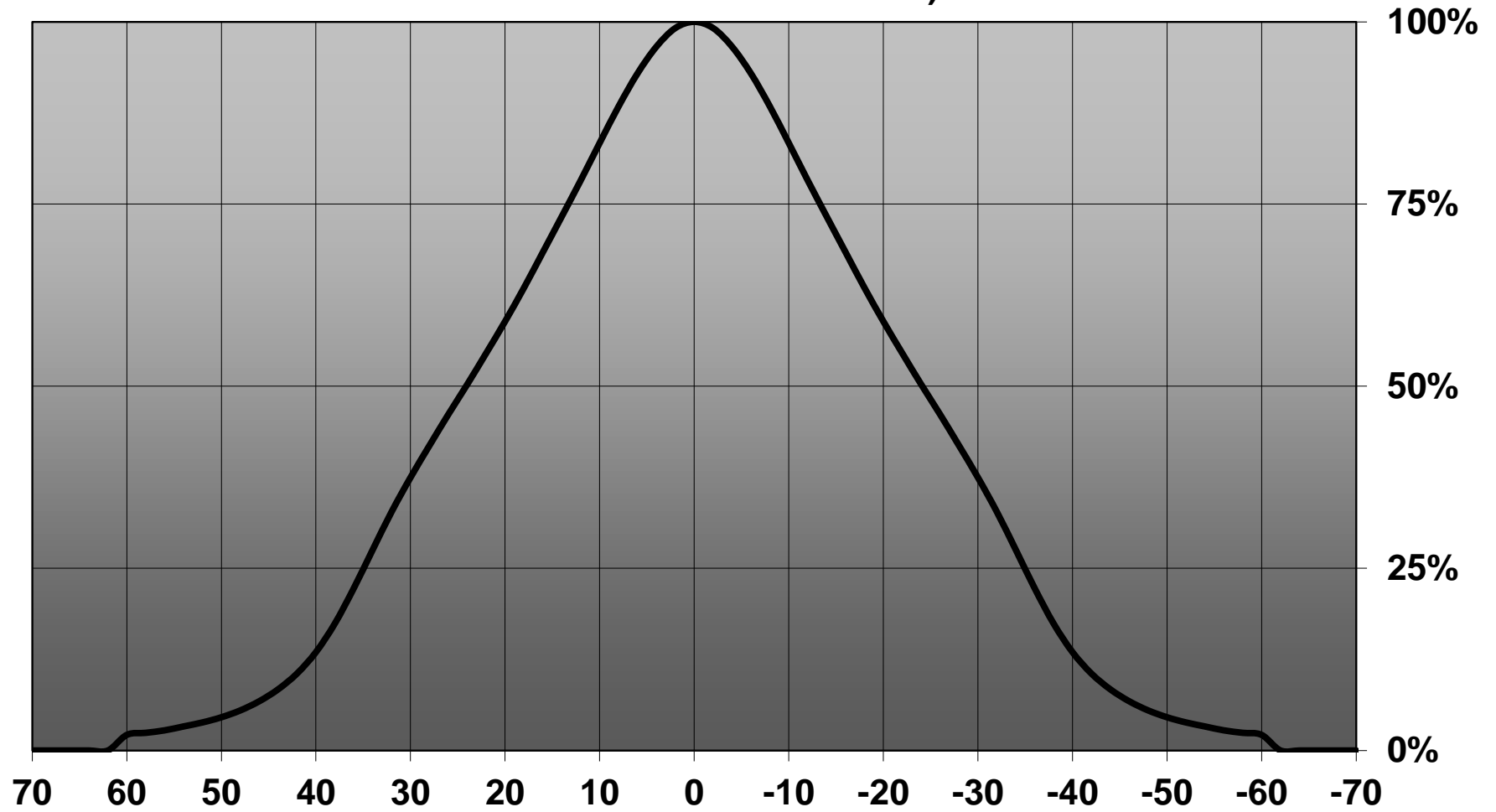
Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(LUXEON A)



Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(LUXEON A)



Relative intensity of CN12488\_MIRELLA-50-W-PIN-DL\_(OSLON-SQ-EC)

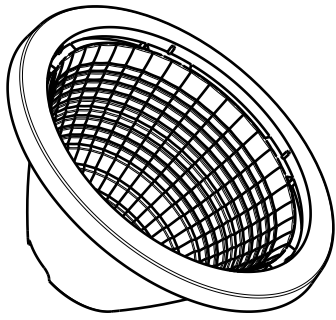


D

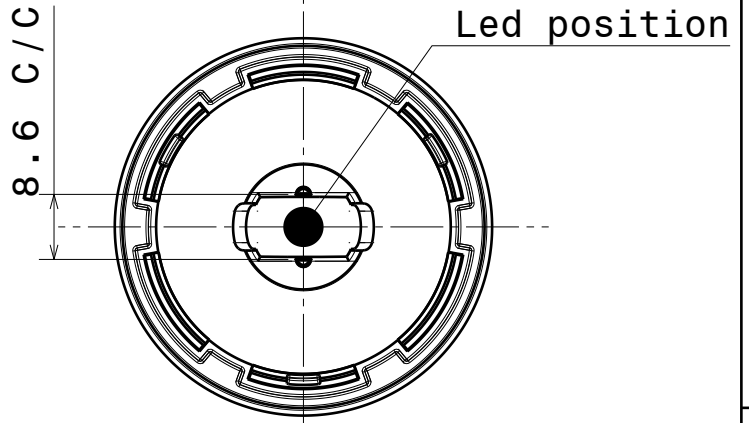
C

B

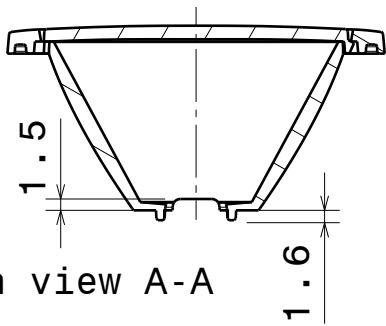
A



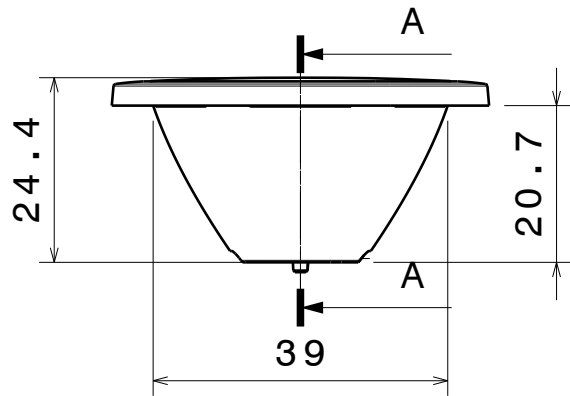
Isometric view



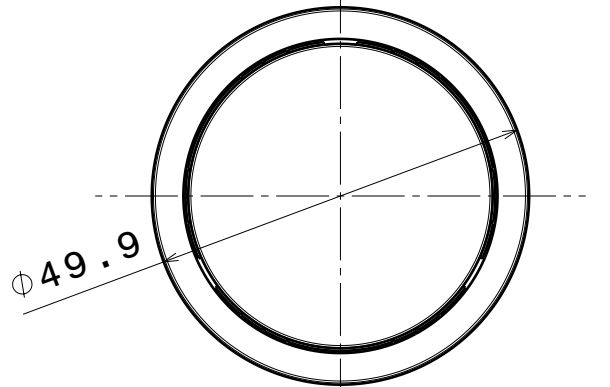
Botto view



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**

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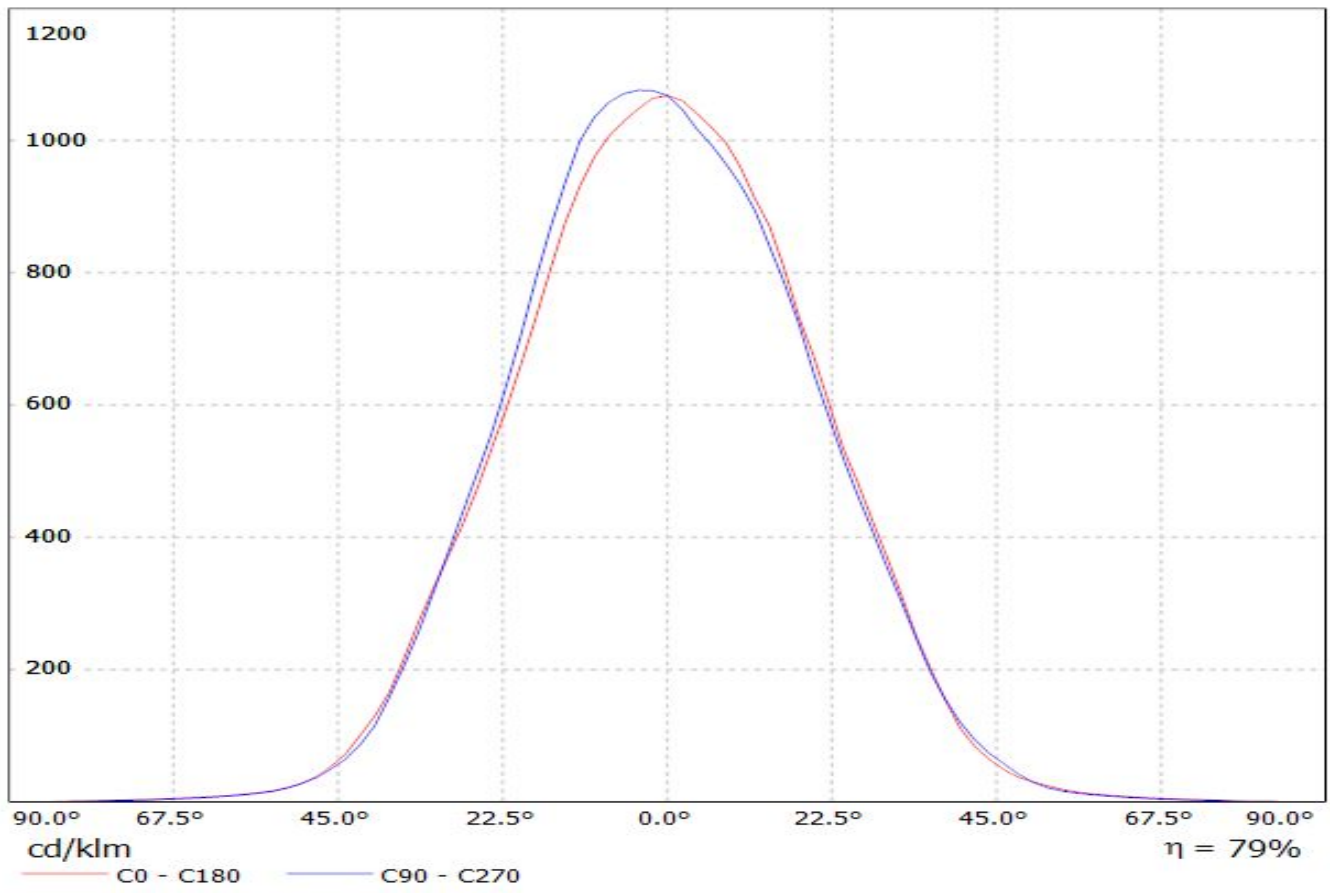
SIZE	PART NUMBER		
A4	-		

SCALE	1:1	WEIGHT	-	SHEET	1/1
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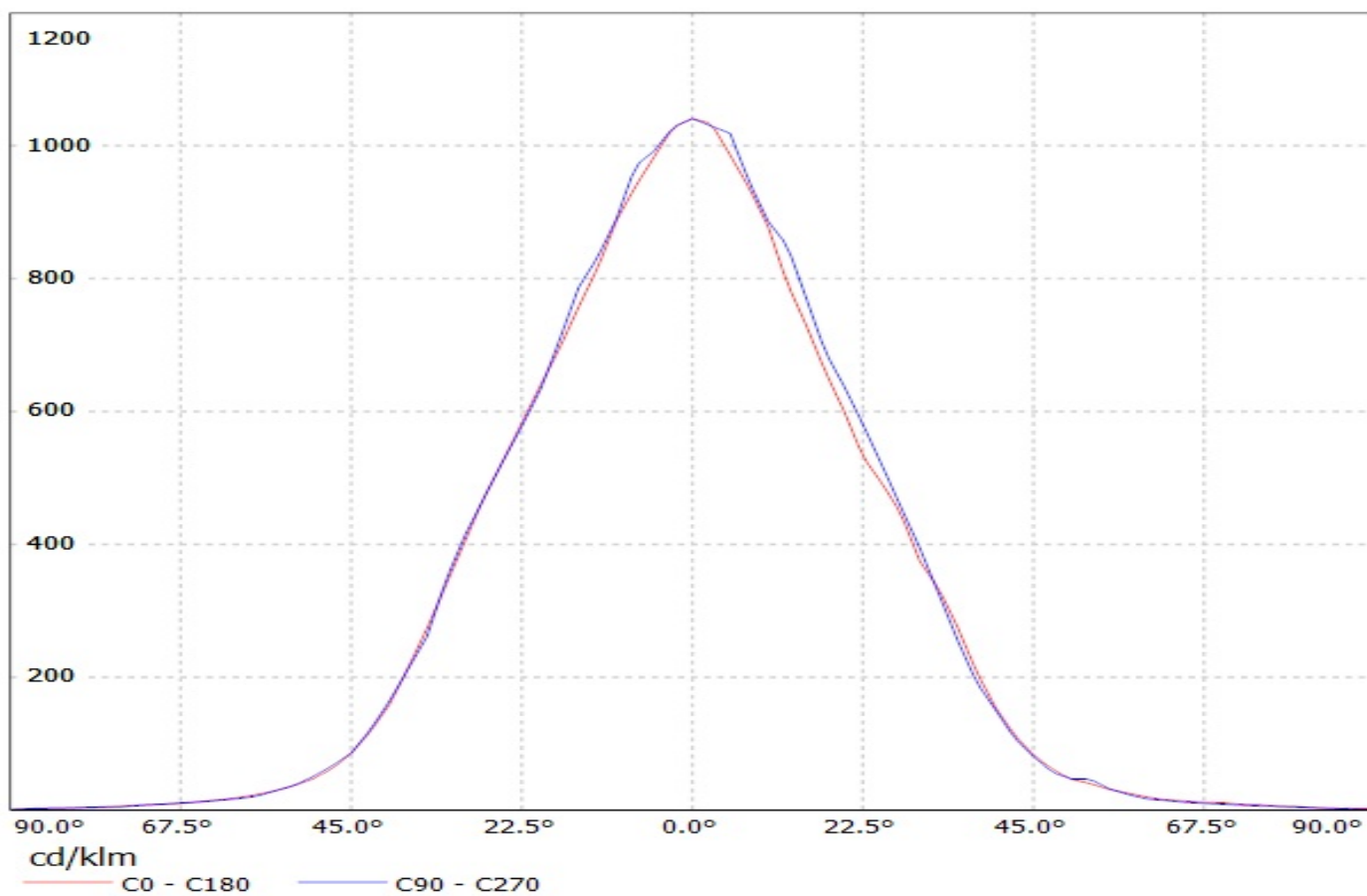
D

A

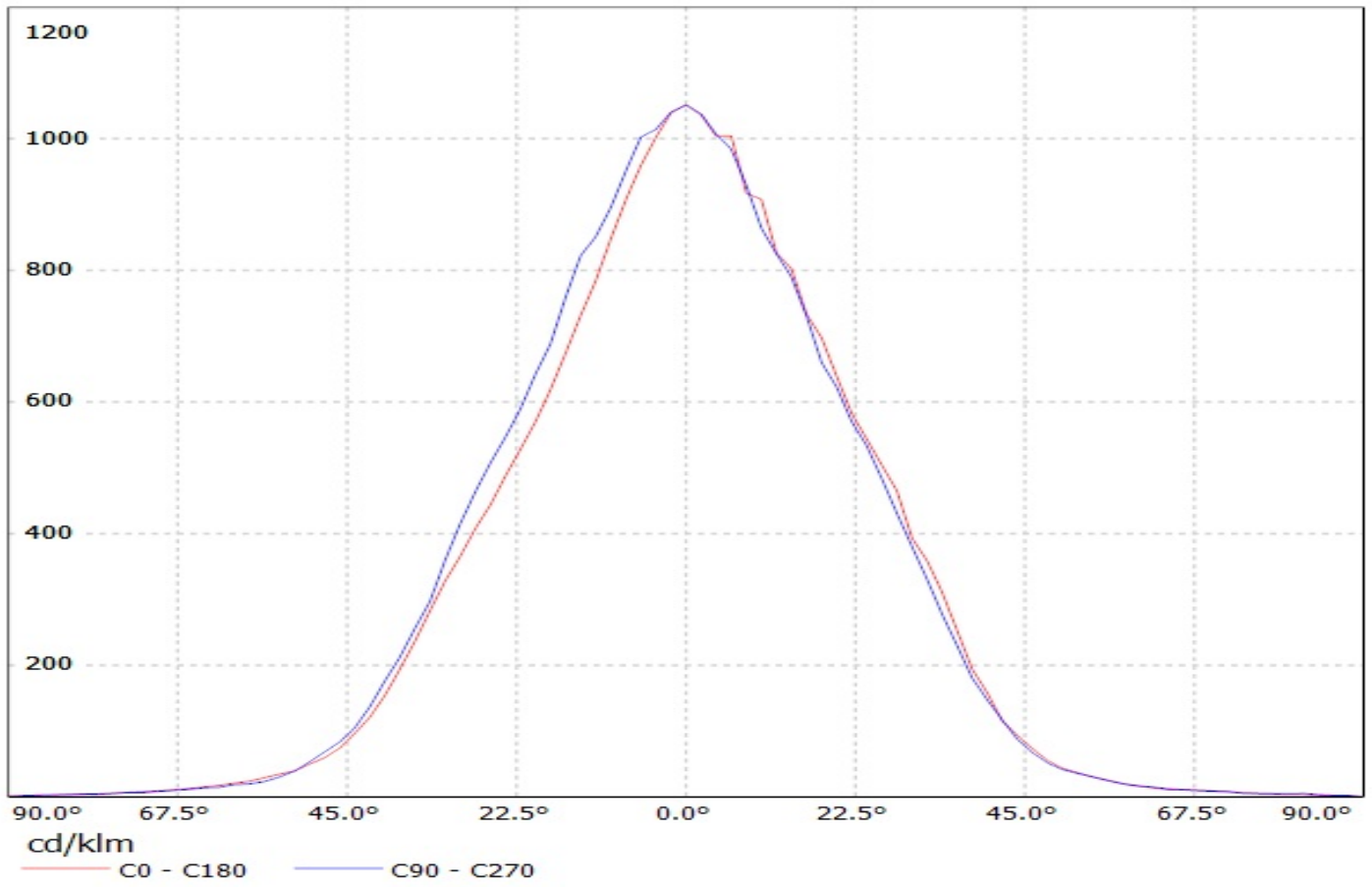
Luminaire: LEDiL CN12488\_MIRELLA-50-W-PIN-DL\_(SM4) Eff. 77%  
Lamps: 1 x Bridgelux SM4 (259lm@250mA)



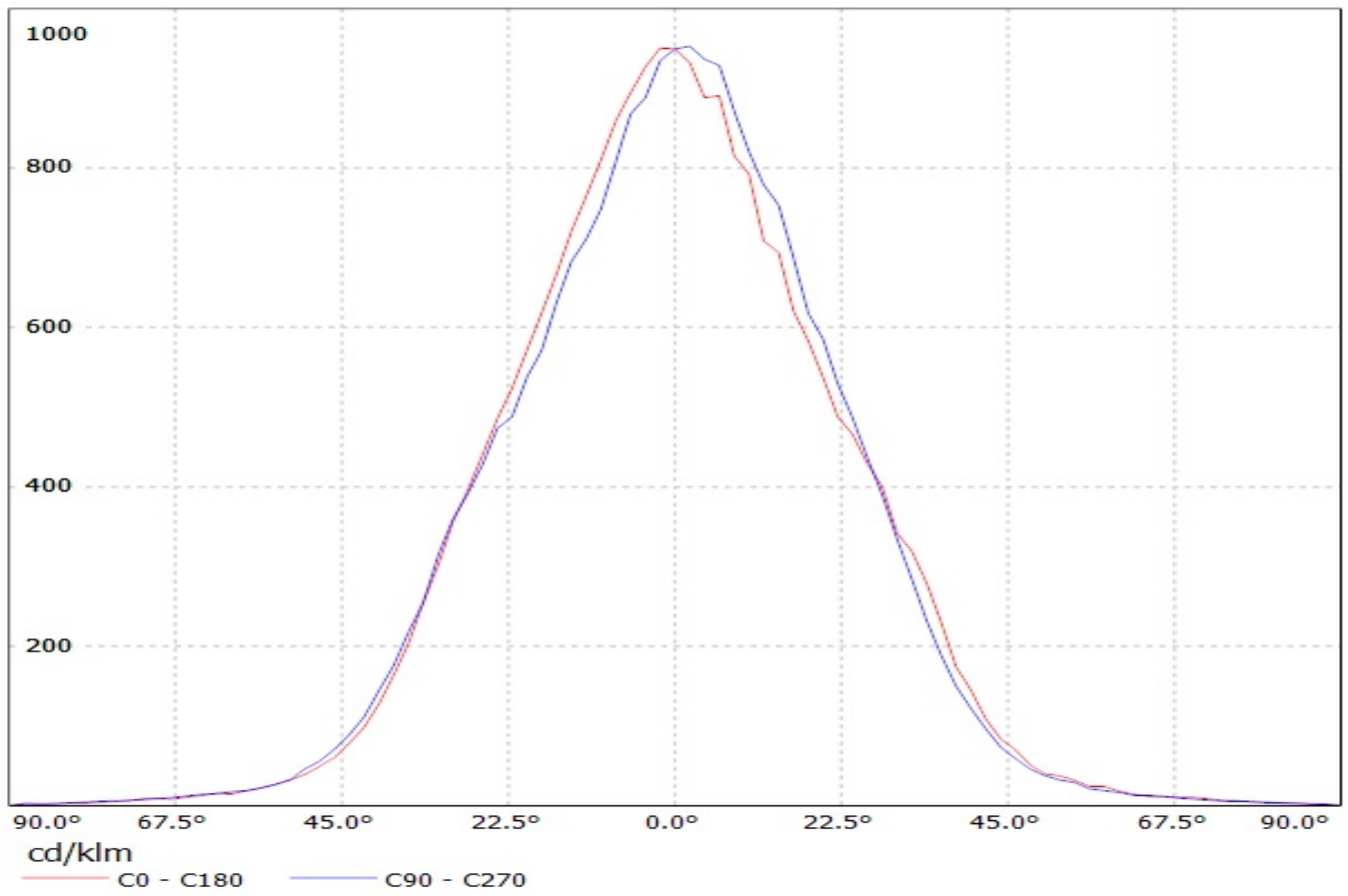
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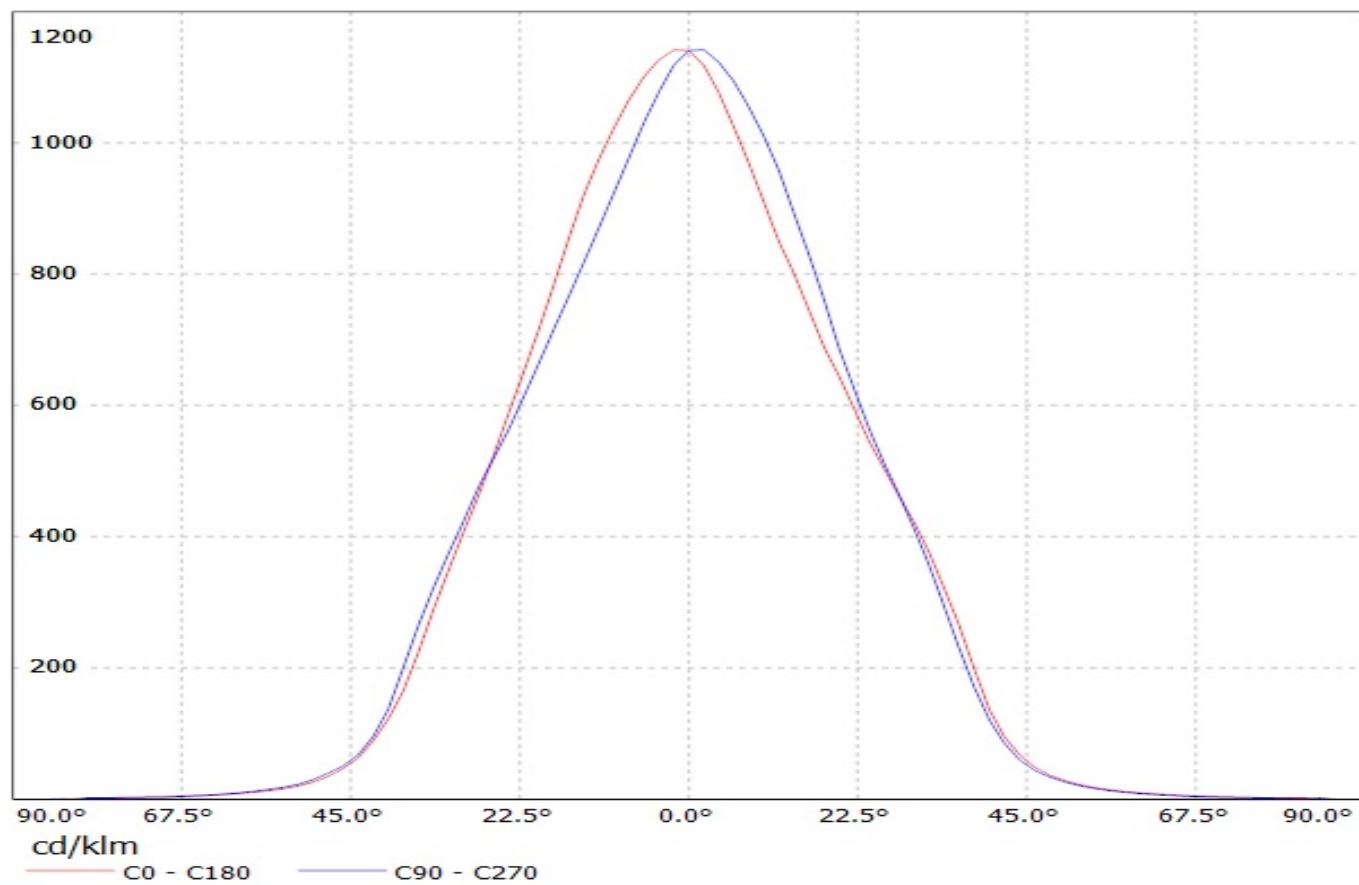
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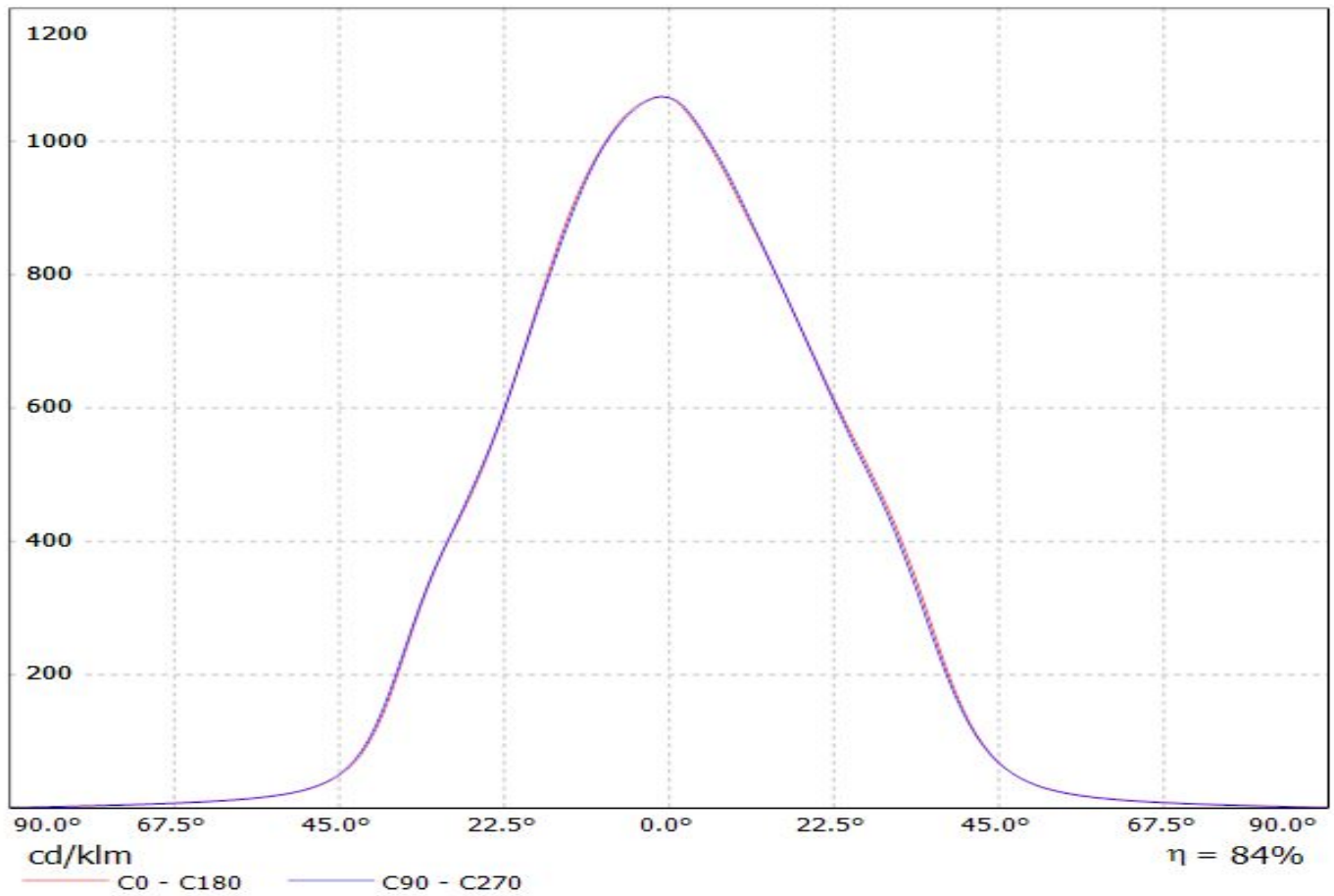
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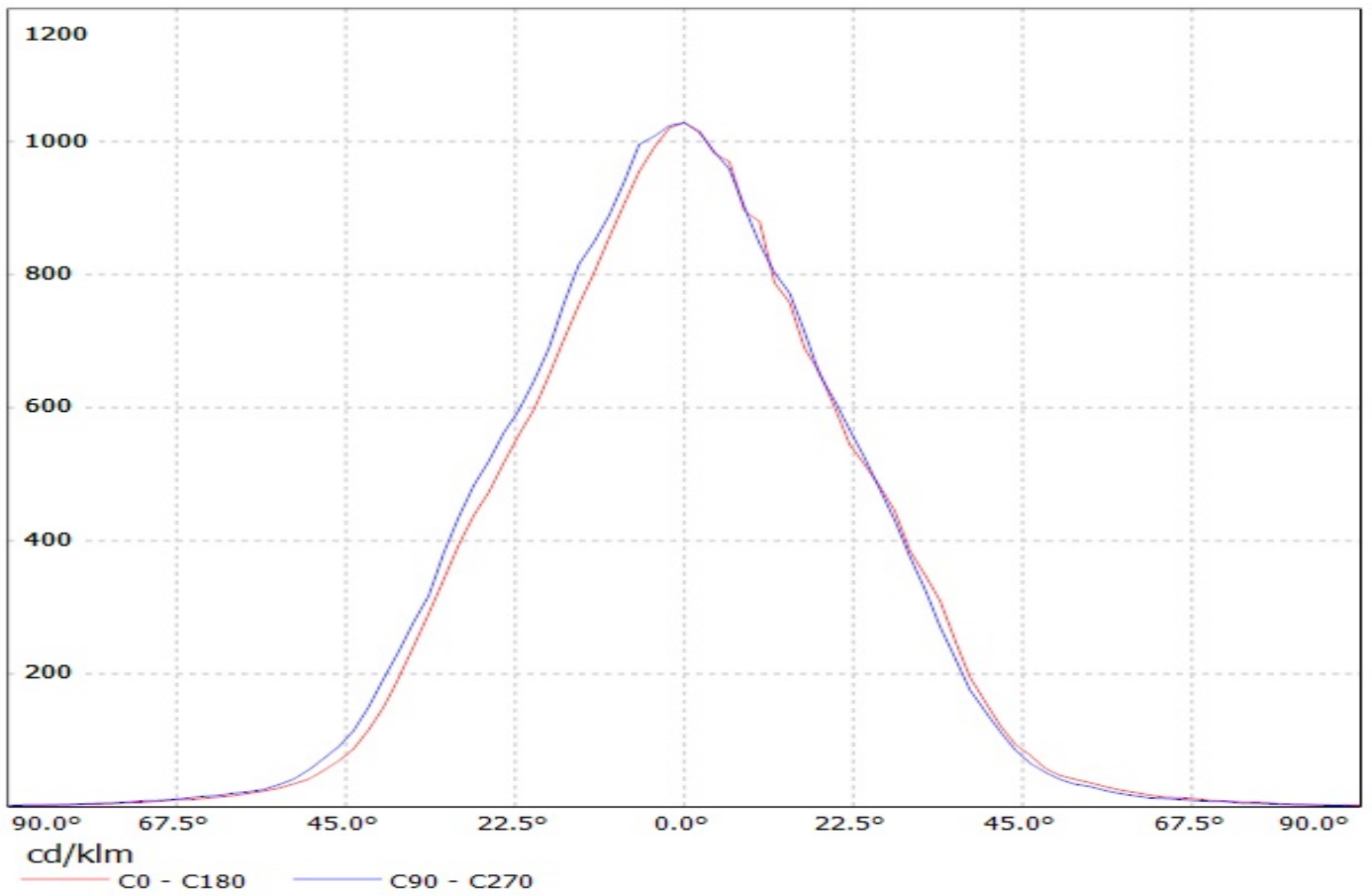
Luminaire: LEDil Oy CN12488\_MIRELLA-50-W-PIN-DL\_(XM-L2) Efficiency=81%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA



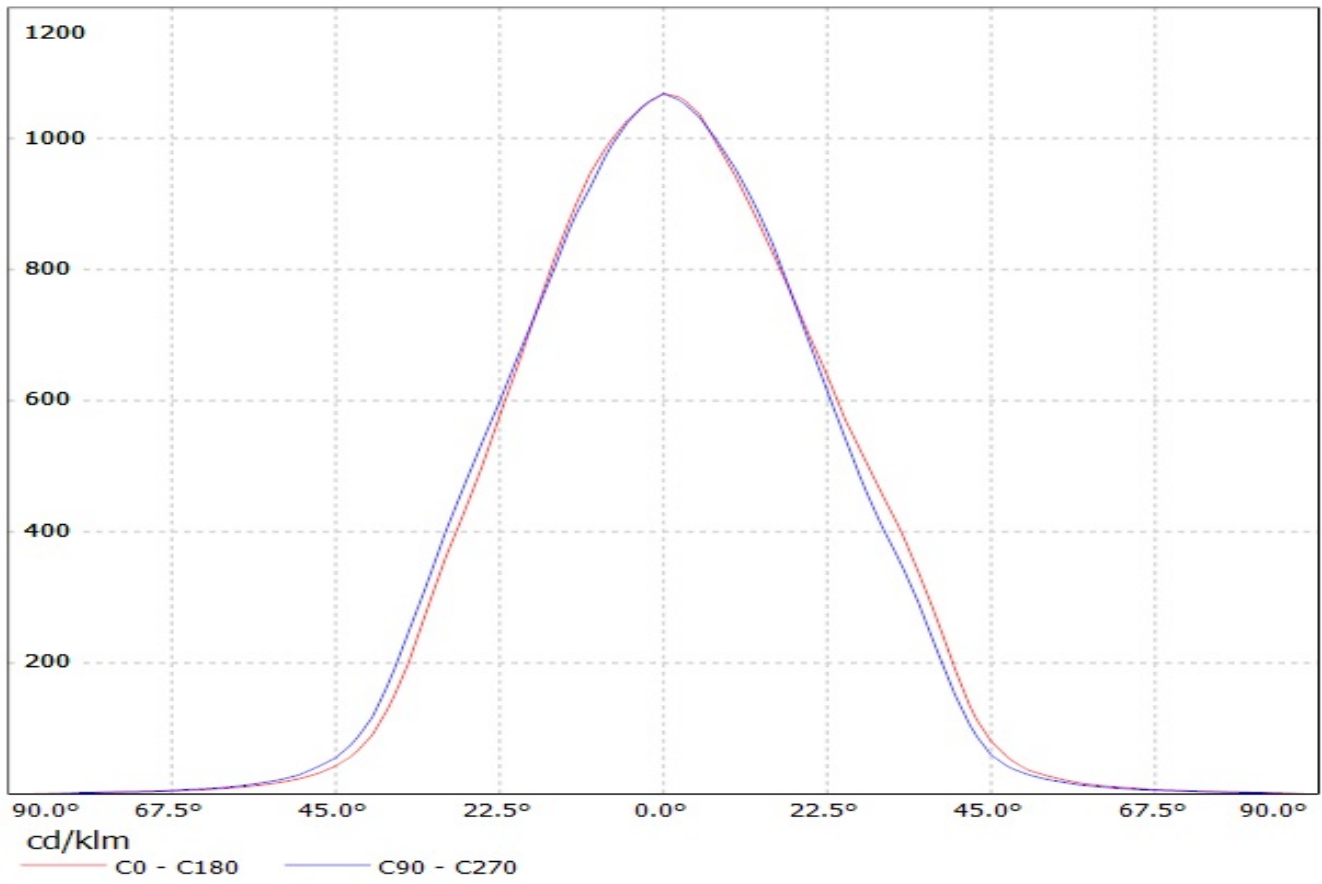
Luminaire: LEDiL Oy CN12488\_MIRELLA-50-W-PIN-DL\_(CREE\_XHP50\_WARM\_WHITE)  
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.49lm@250mA\_P=1.39994W\_I=0.2499A



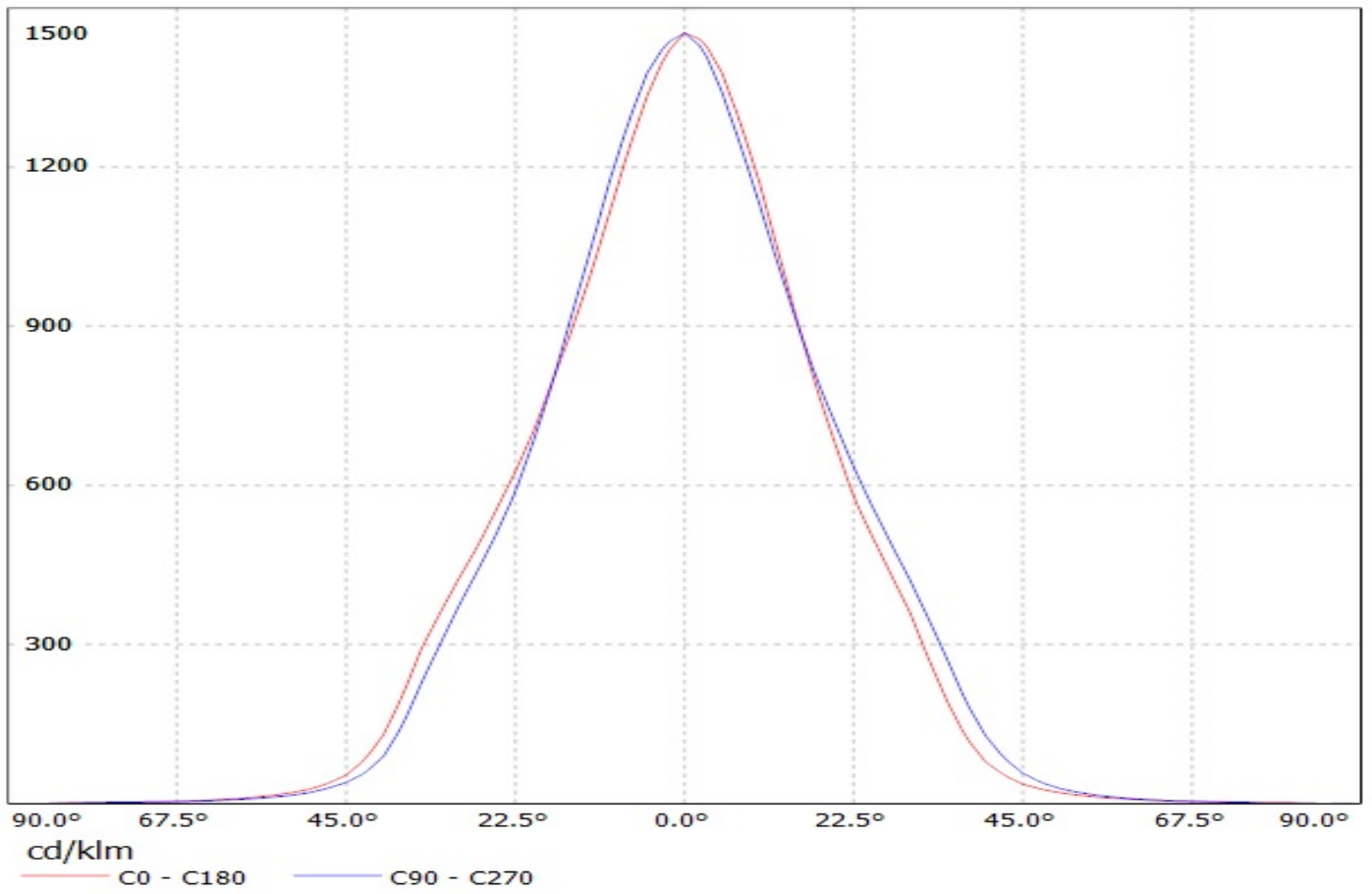
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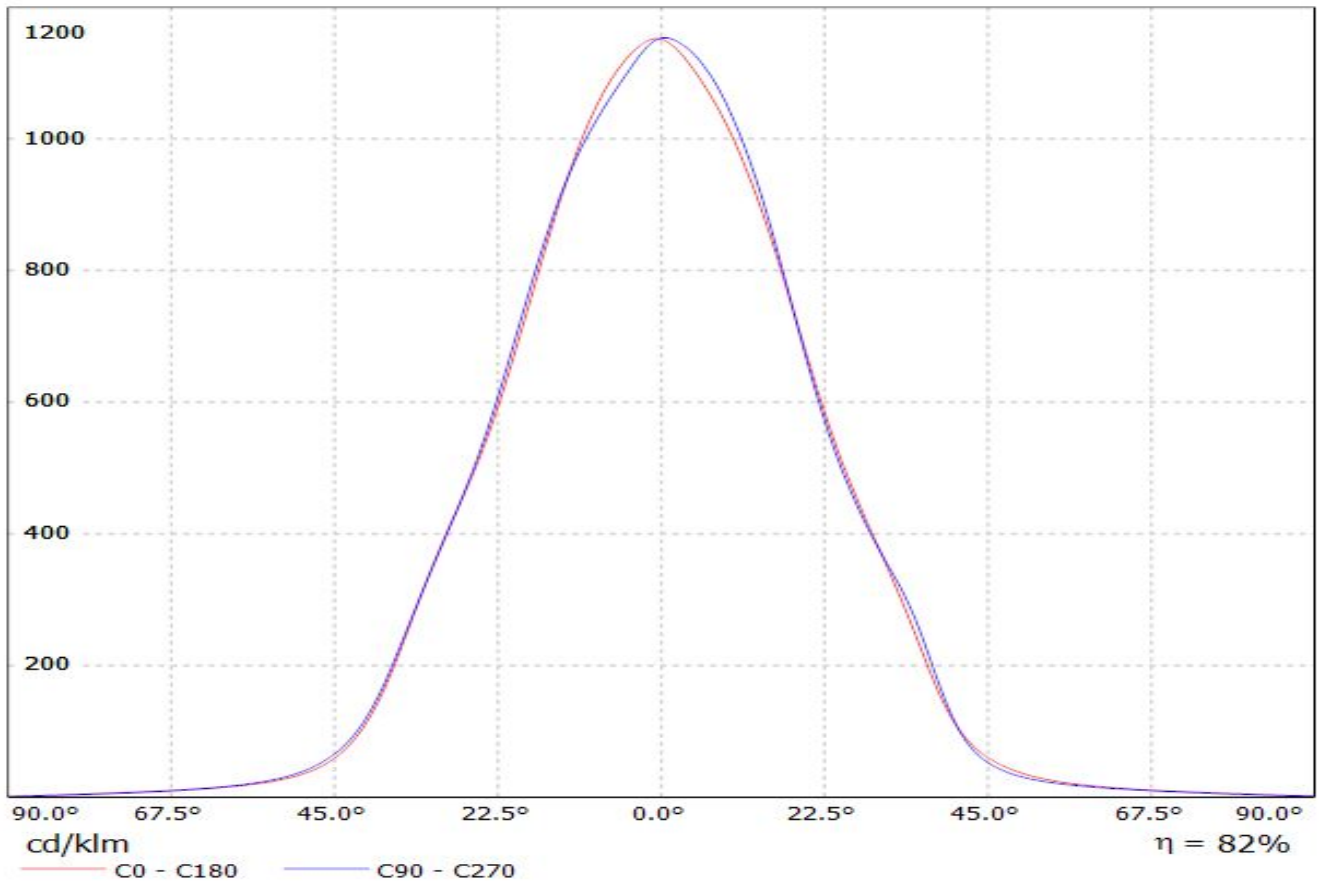
Luminaire: Ledil Oy CN12488\_MIRELLA-50-W-PIN-DL\_(Luxeon\_M) Efficiency=80%  
Lamps: 1 x Philips Lumileds Luxeon M (347lm @ 250mA) CCT=4100K P=2.7W I=250mA



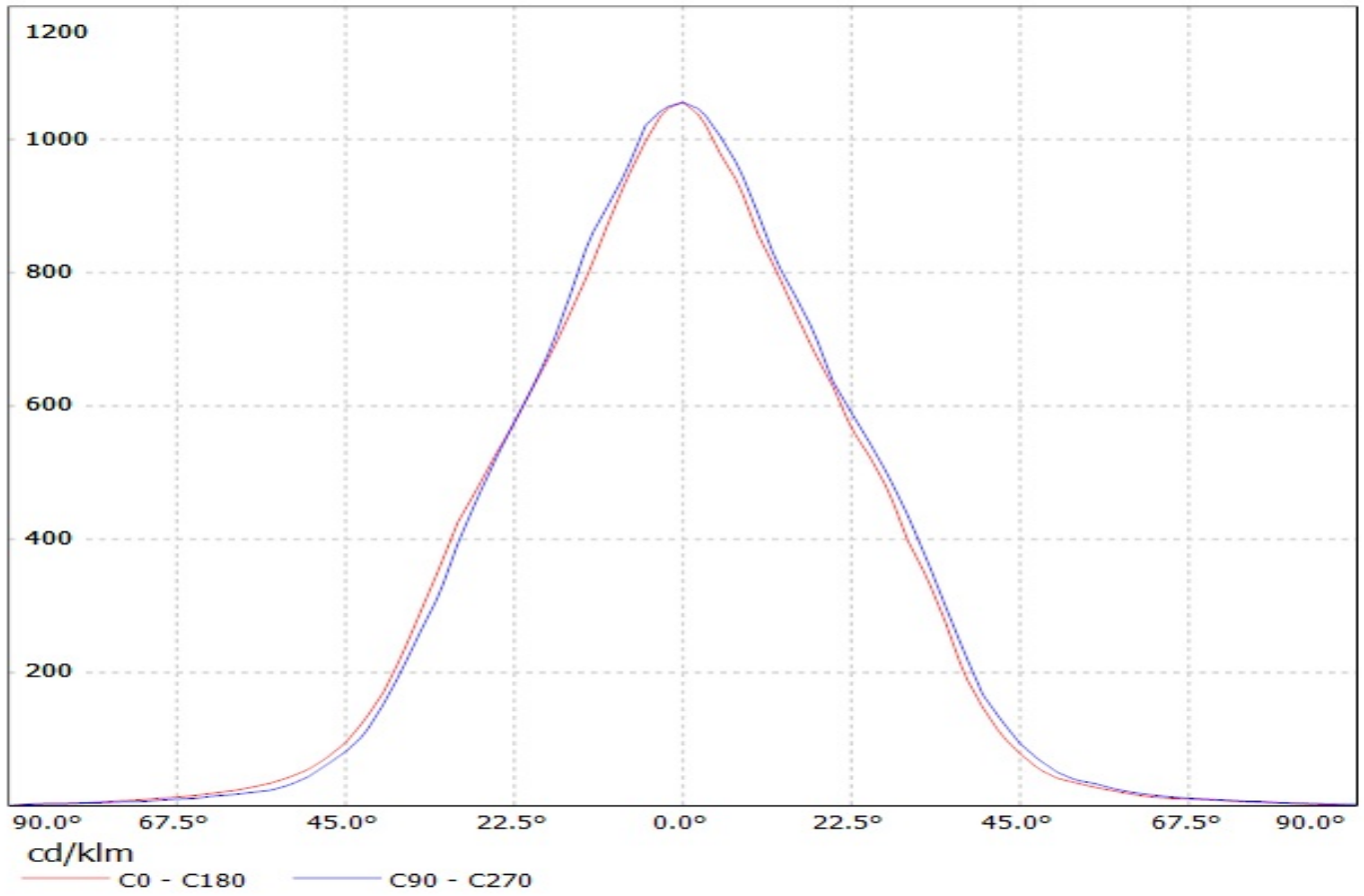
Luminaire: LEDil Oy CN12488\_MIRELLA-50-W-PIN-DL\_(Luxeon\_MZ) Efficiency=82%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



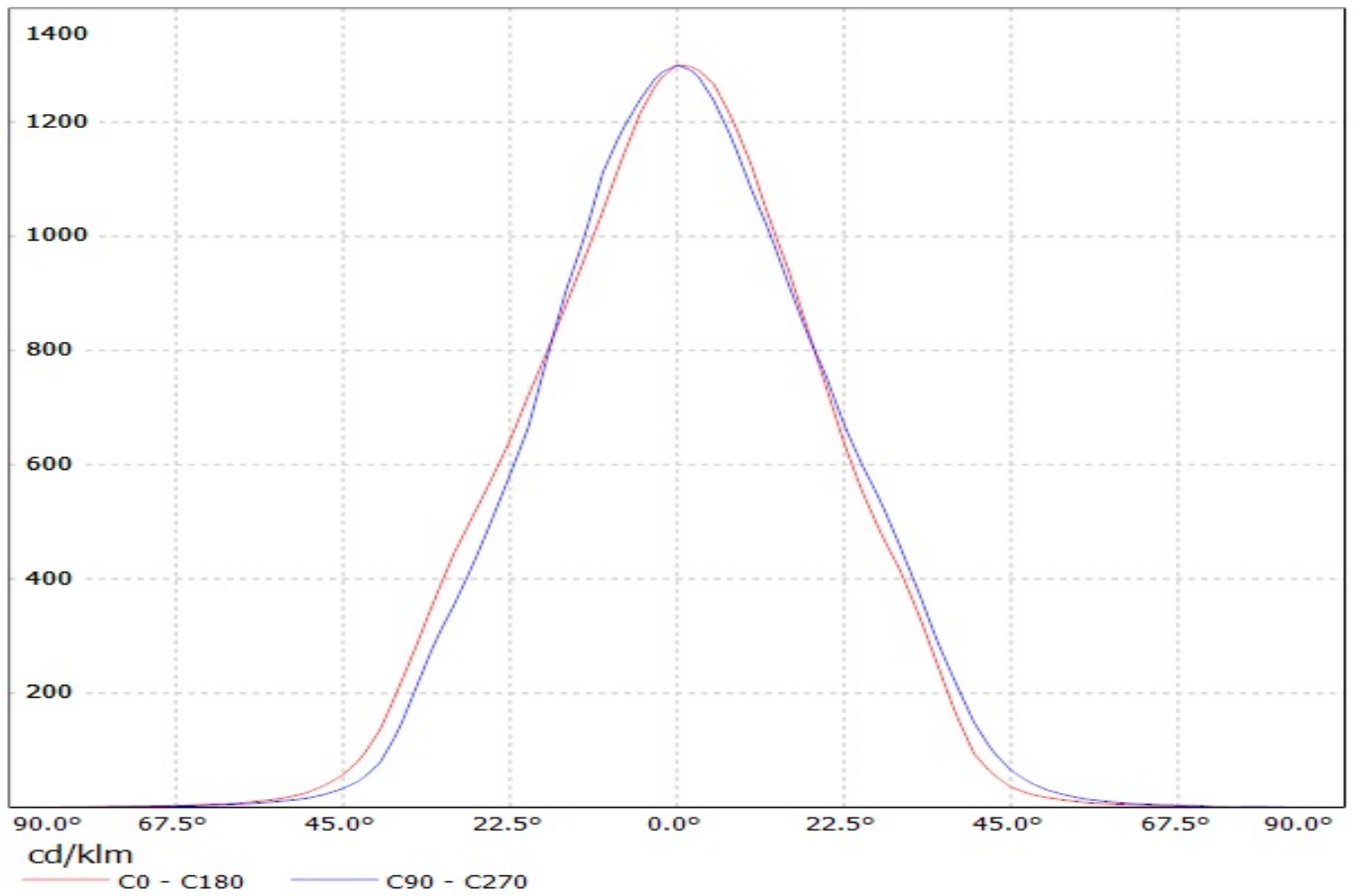
Luminaire: LEDiL Oy CN12488\_MIRELLA-50-W-PIN-DL\_(NS9x383) Eff. 82,5%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



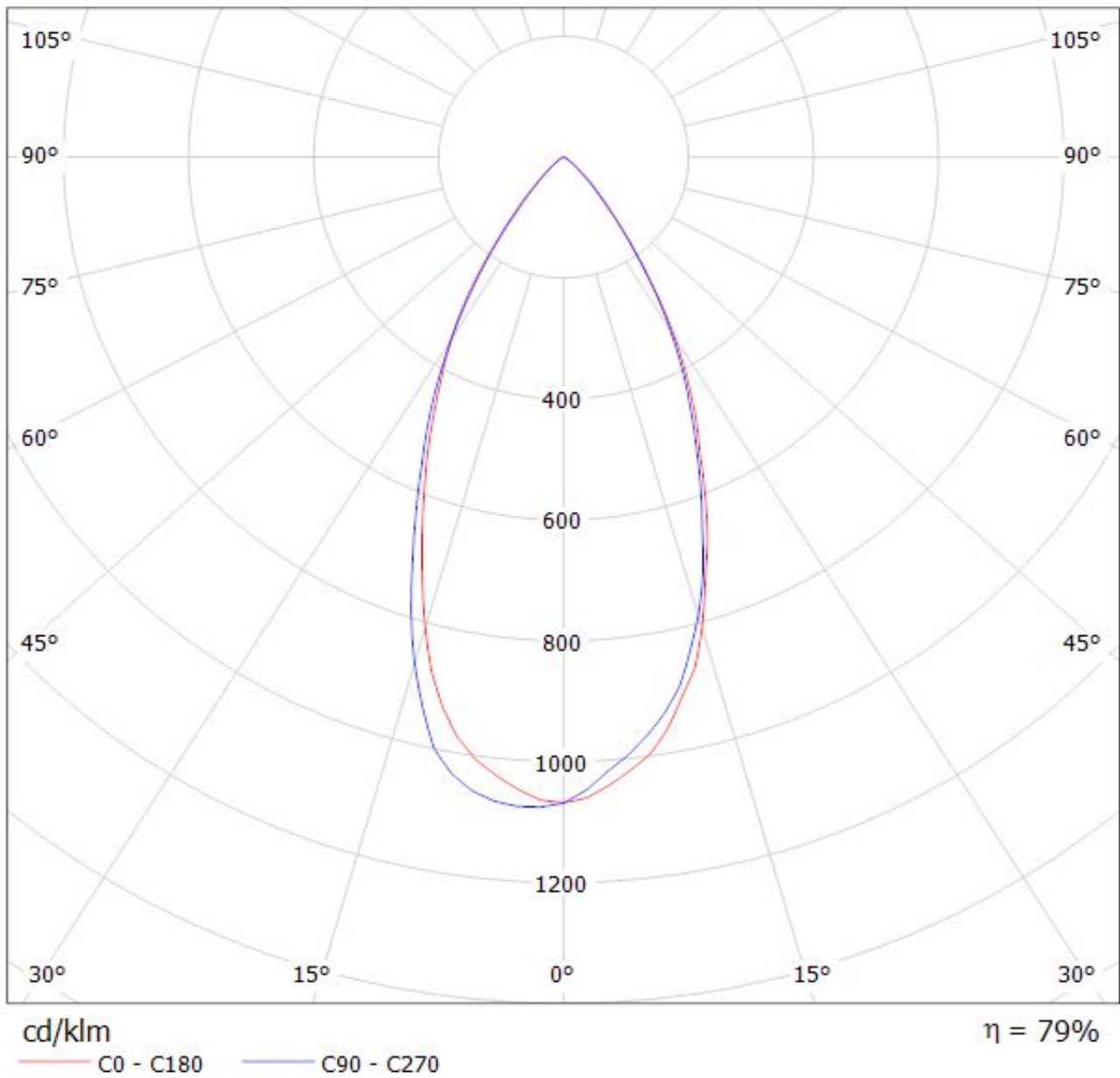
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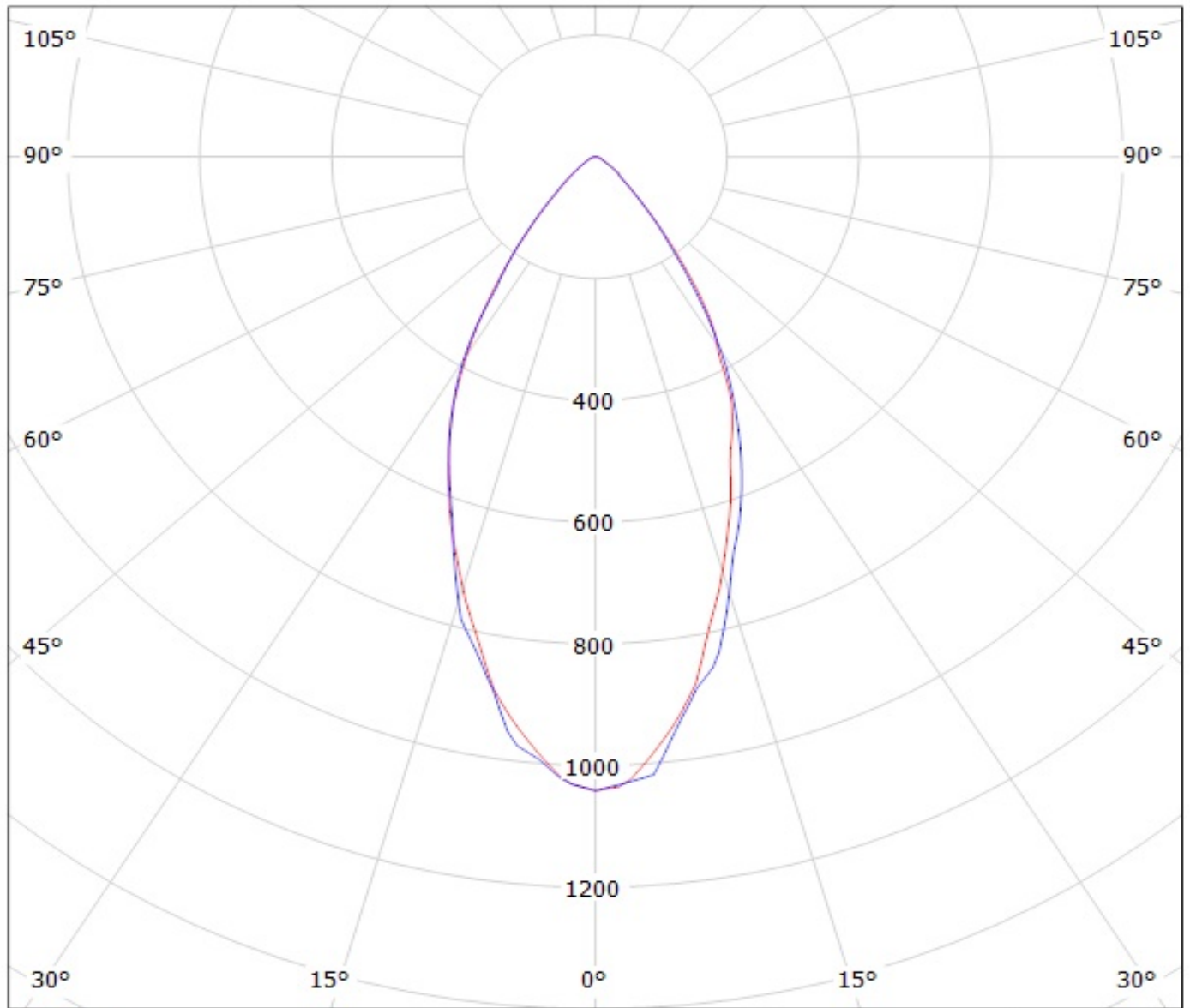
Luminaire: Ledil Oy CN12488\_MIRELLA-50-W-PIN-DL (Osram Duris S8 190lm @ 100mA) Efficiency=83%  
Lamps: 1 x Osram Duris S8 190lm @ 100mA (GWP9LMS1.EC) CCT=2857K P=1,8W I=100mA



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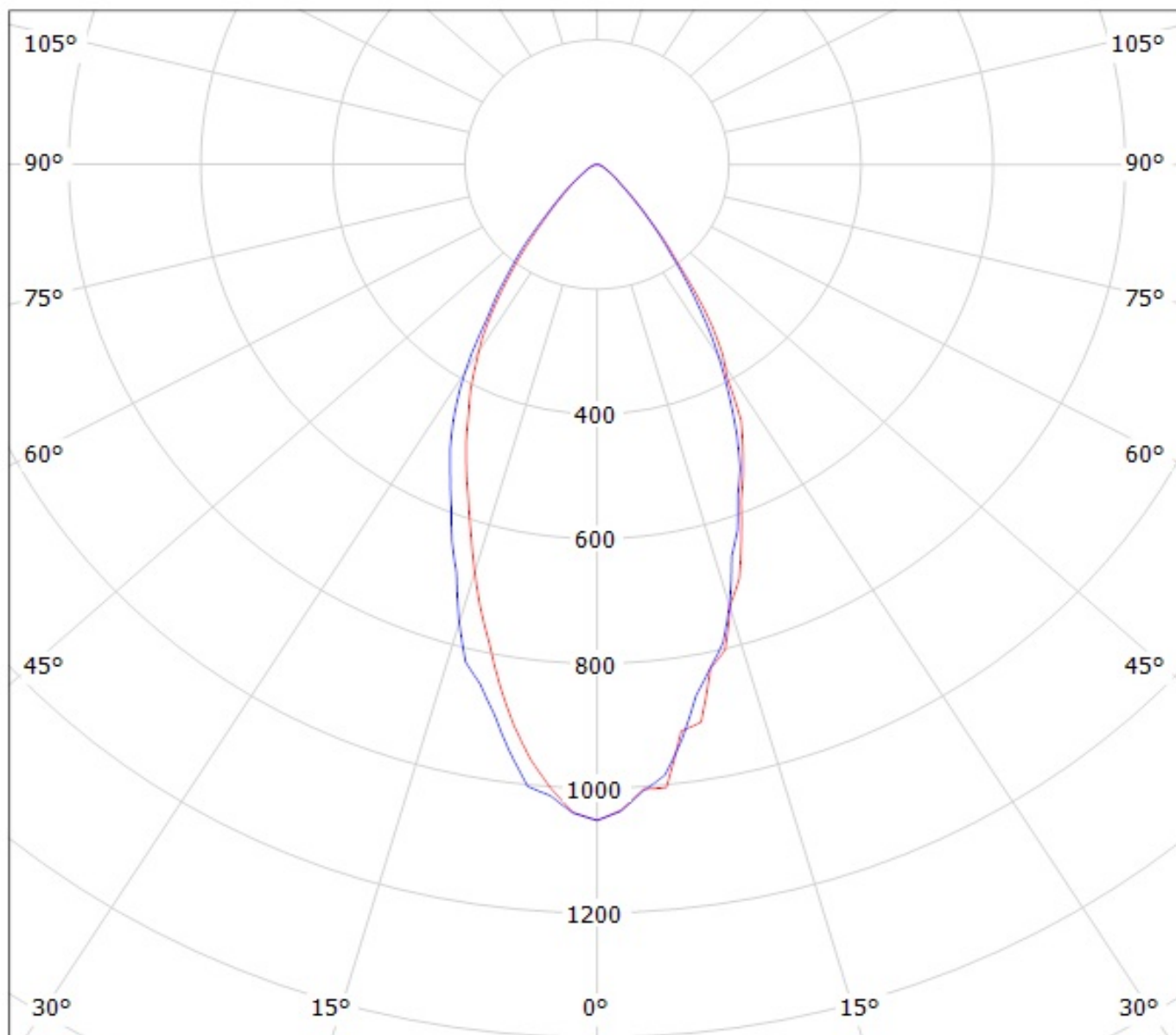


cd/klm

— C0 - C180

— C90 - C270

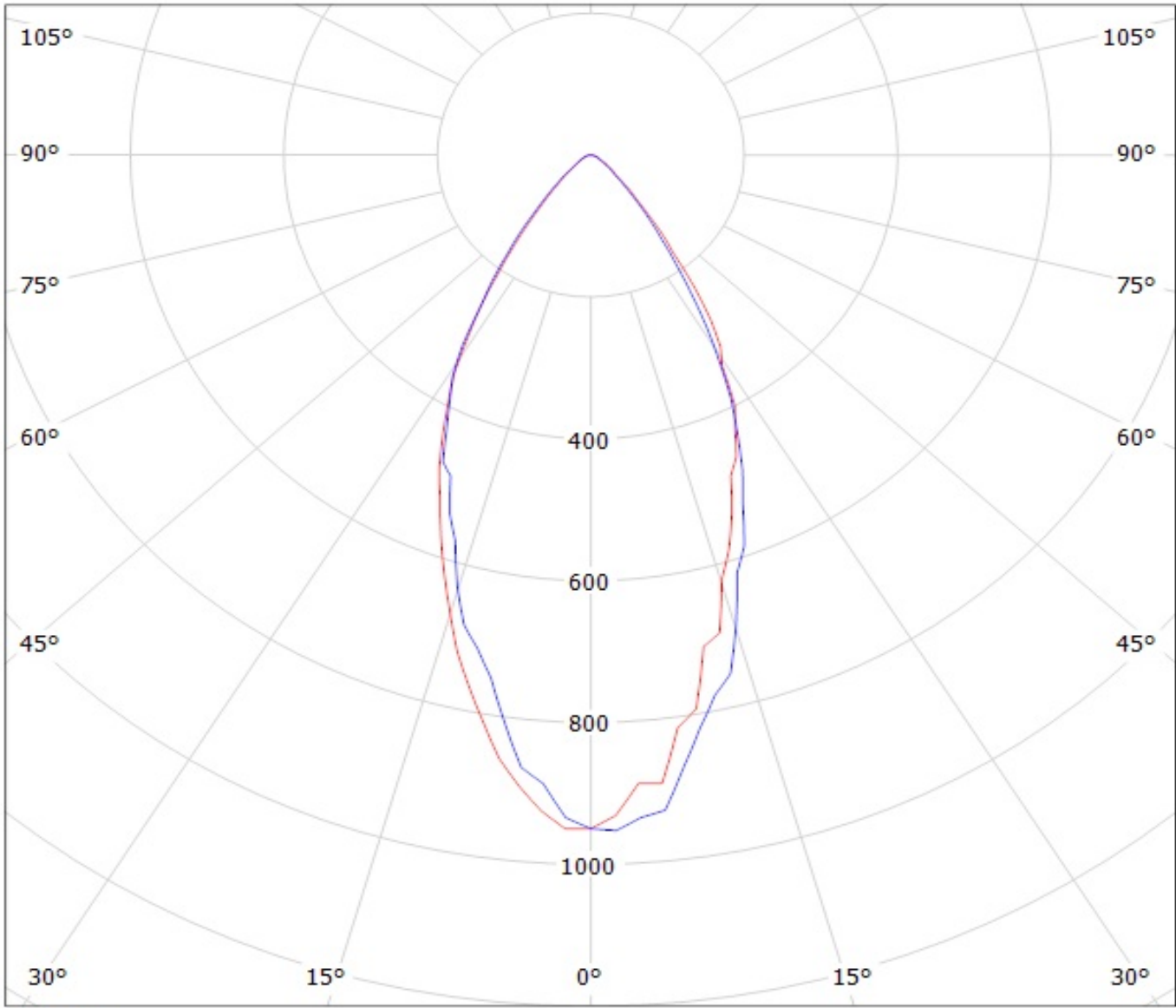
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cd/klm

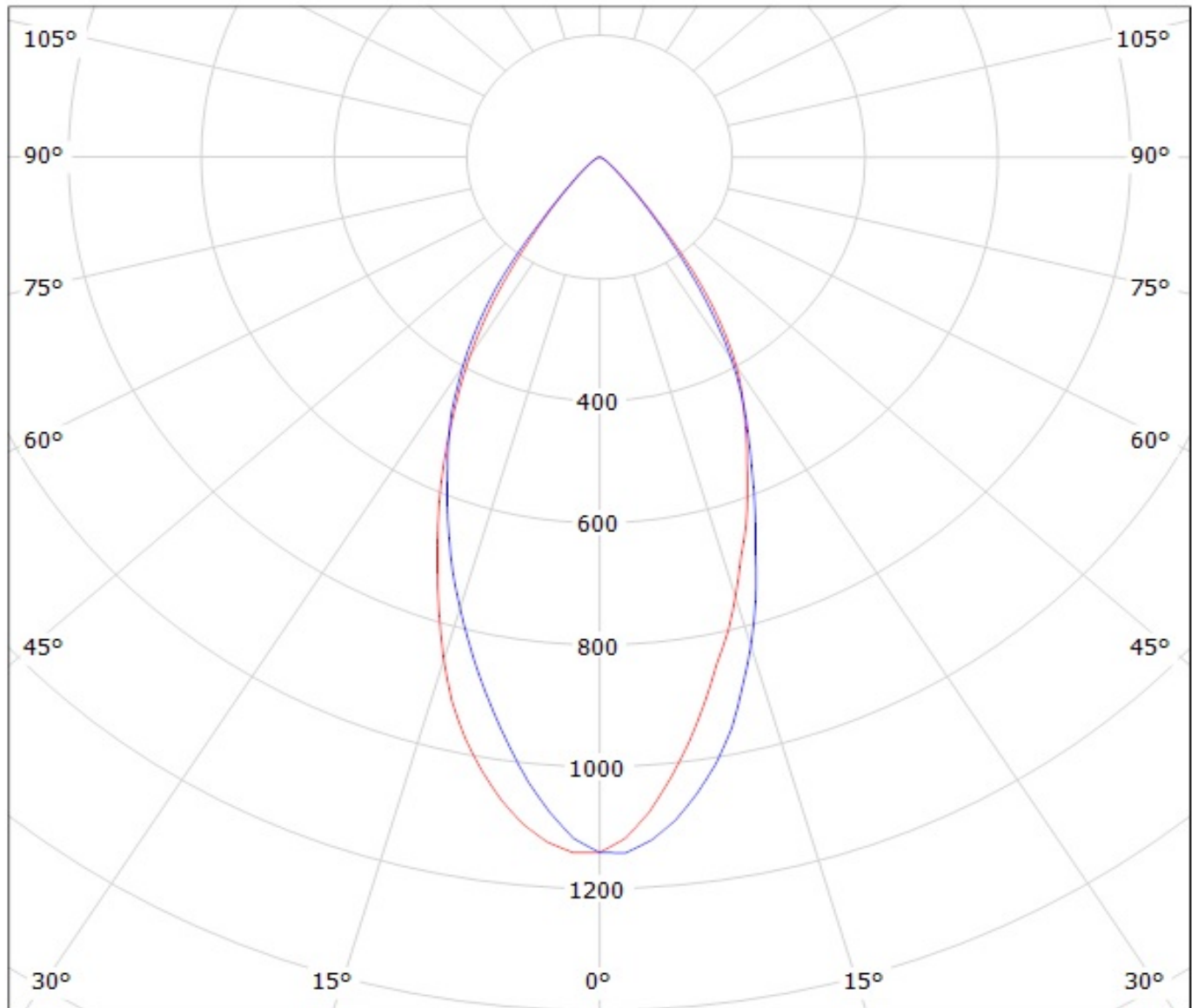
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cd/klm  
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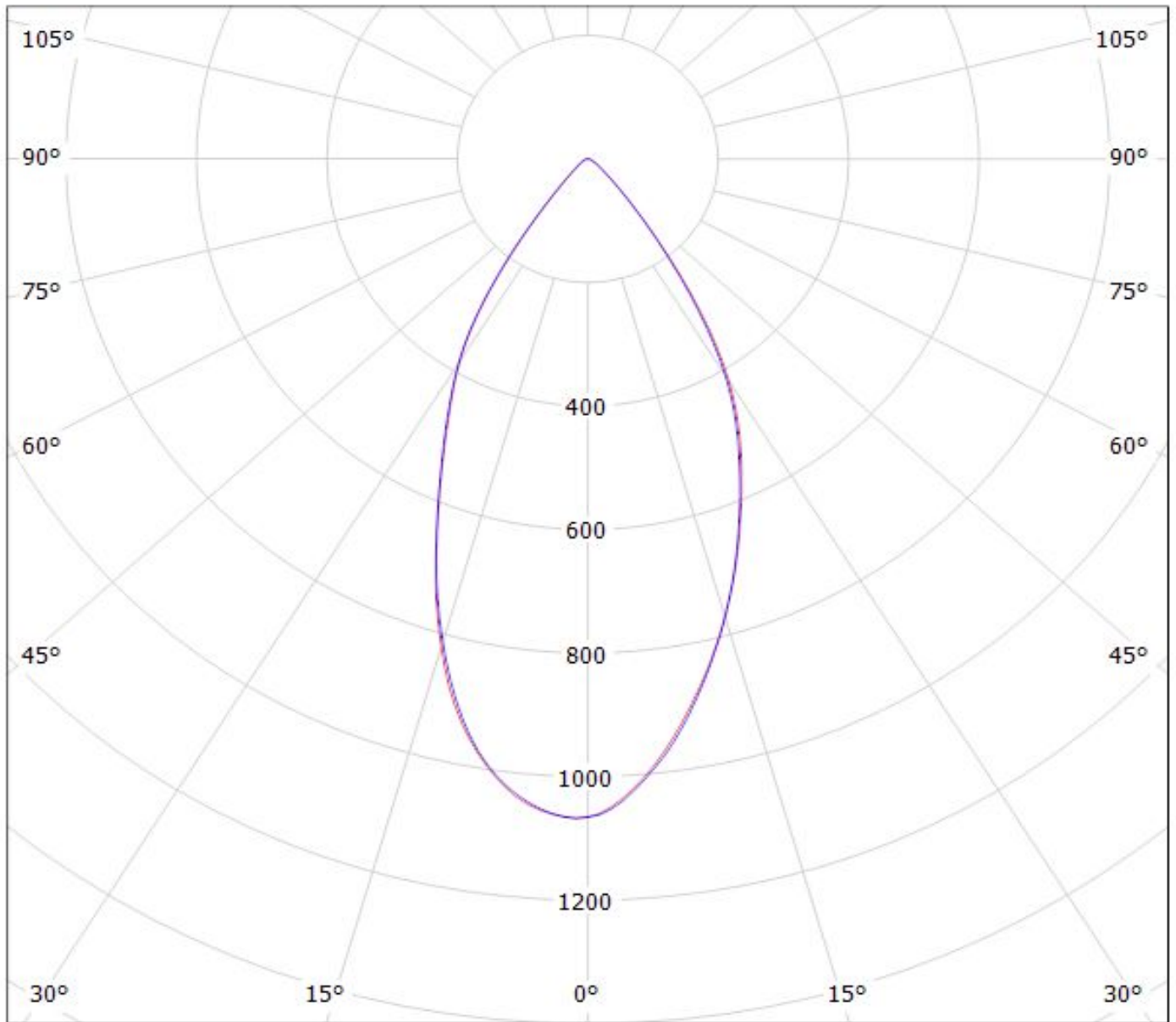


cd/klm

— C0 - C180

— C90 - C270

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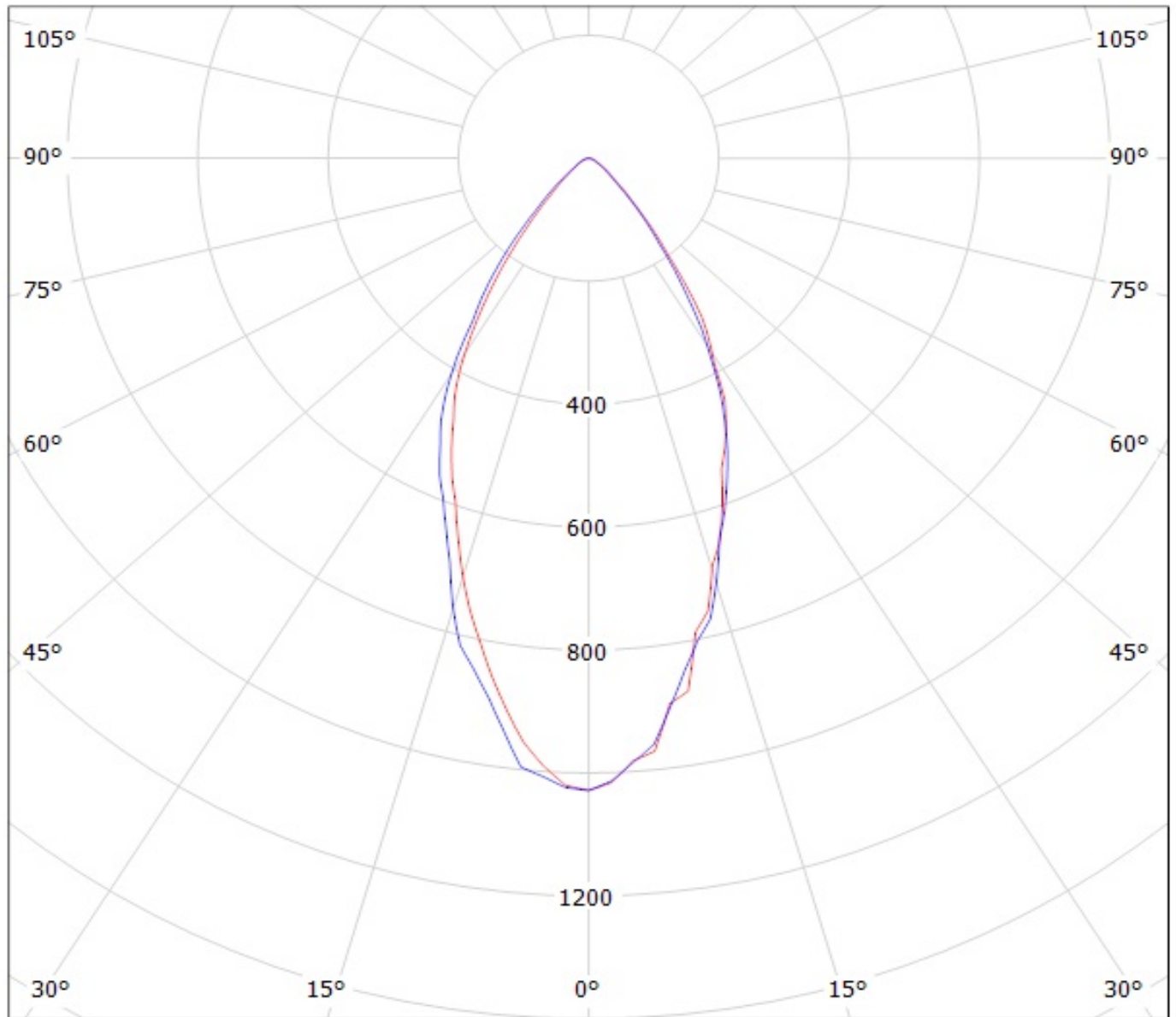


cd/klm

$\eta = 84\%$

— C0 - C180    — C90 - C270

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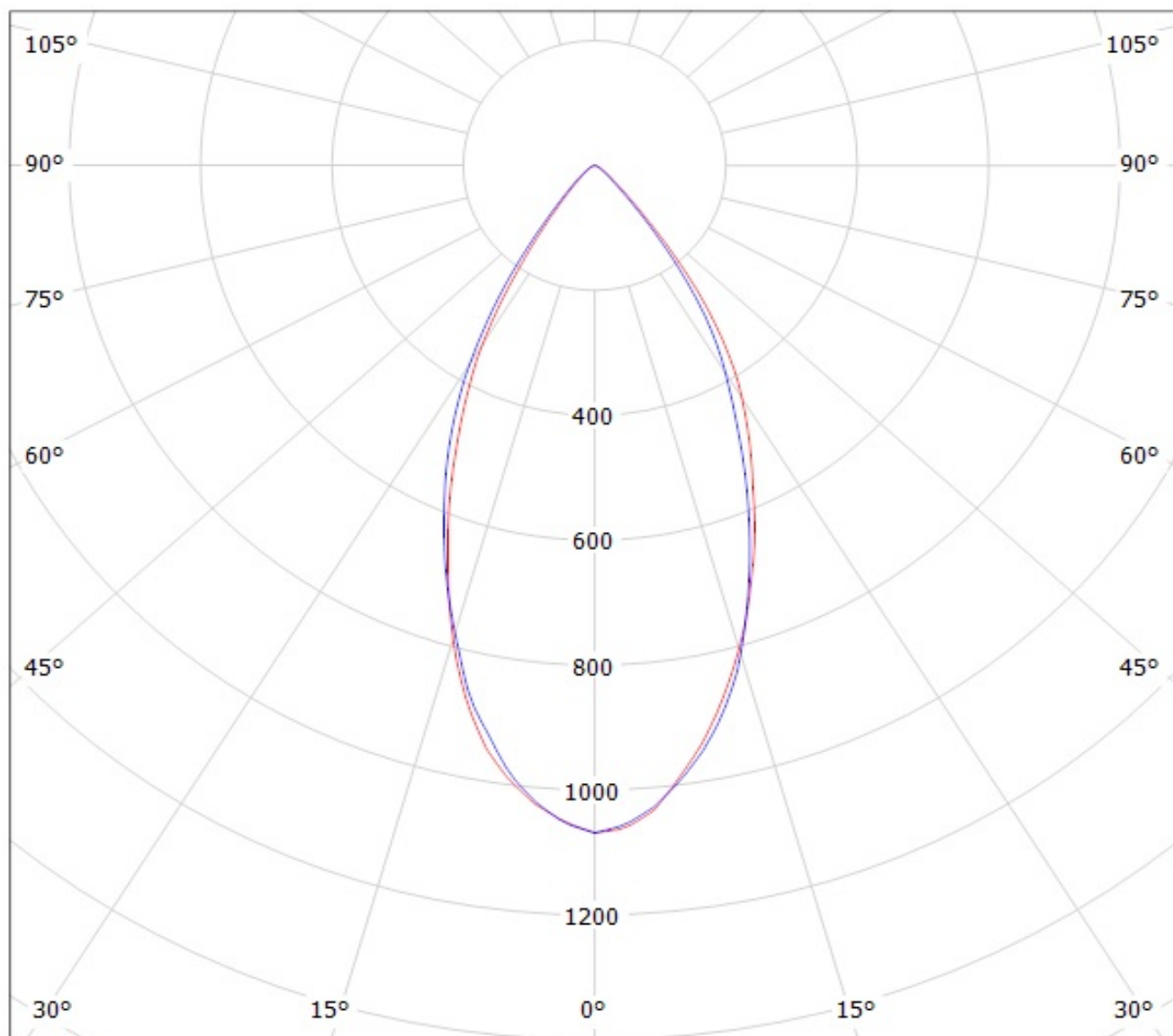


cd/klm

— C0 - C180

— C90 - C270

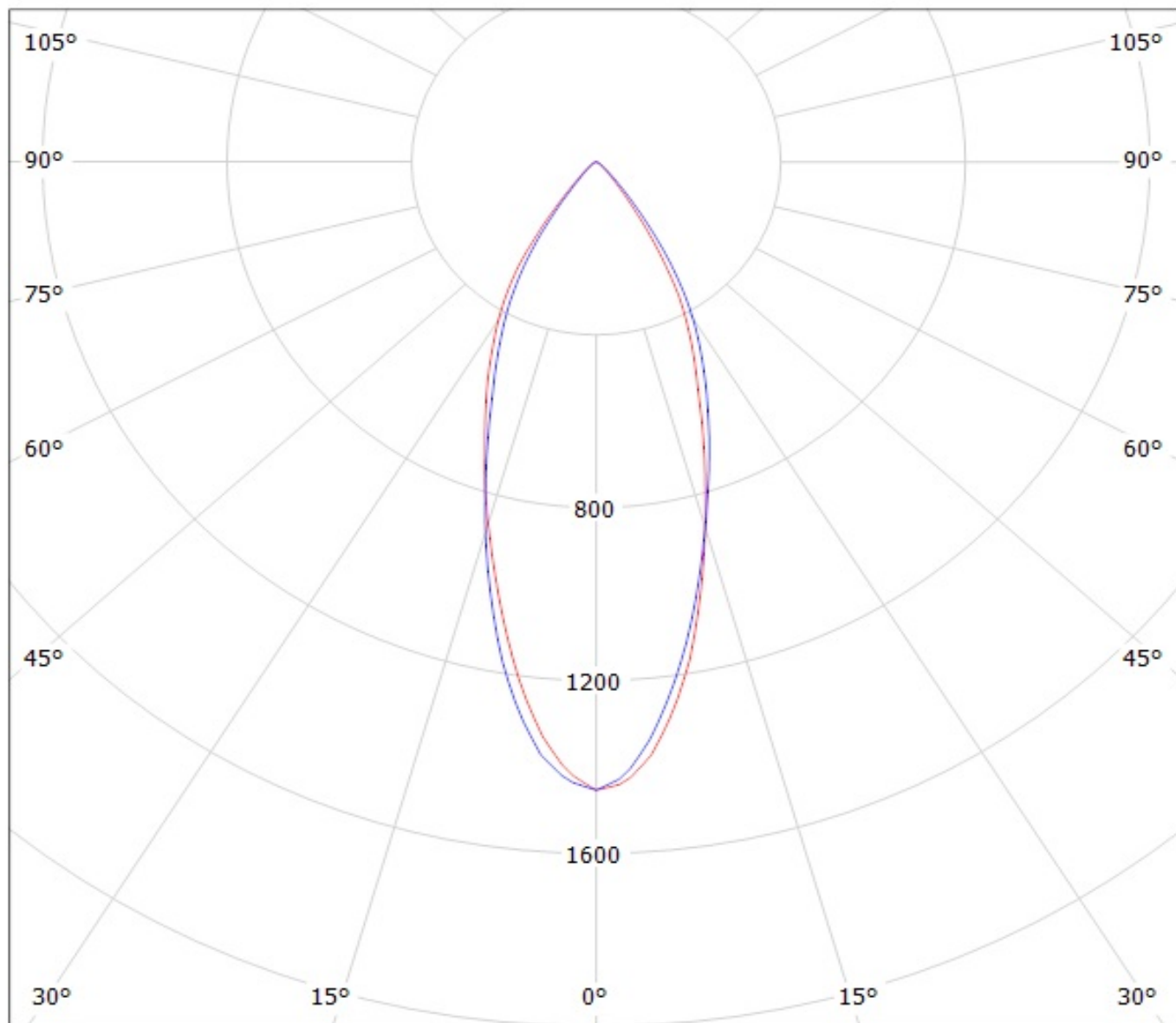
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cd/klm

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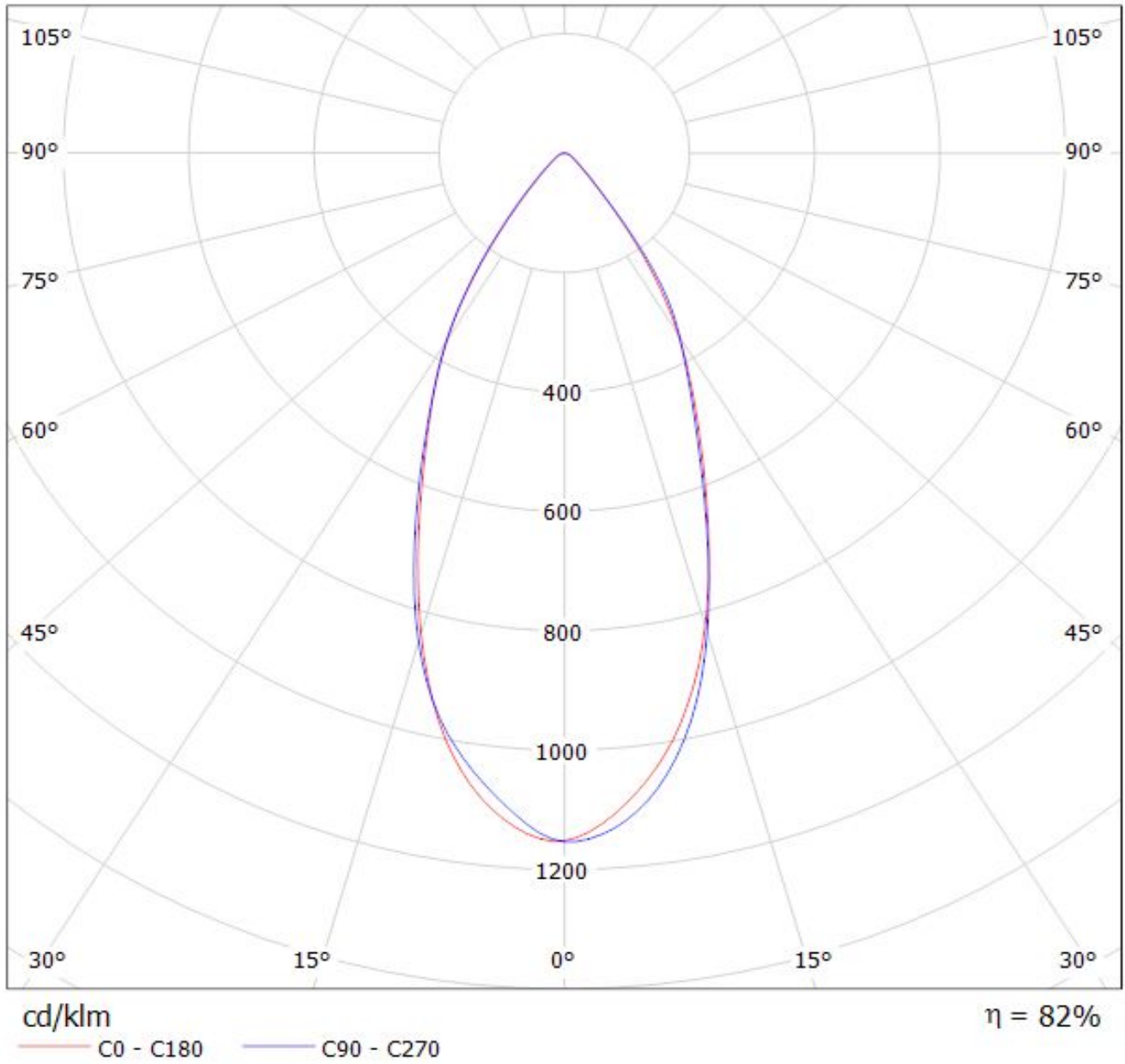


cd/klm

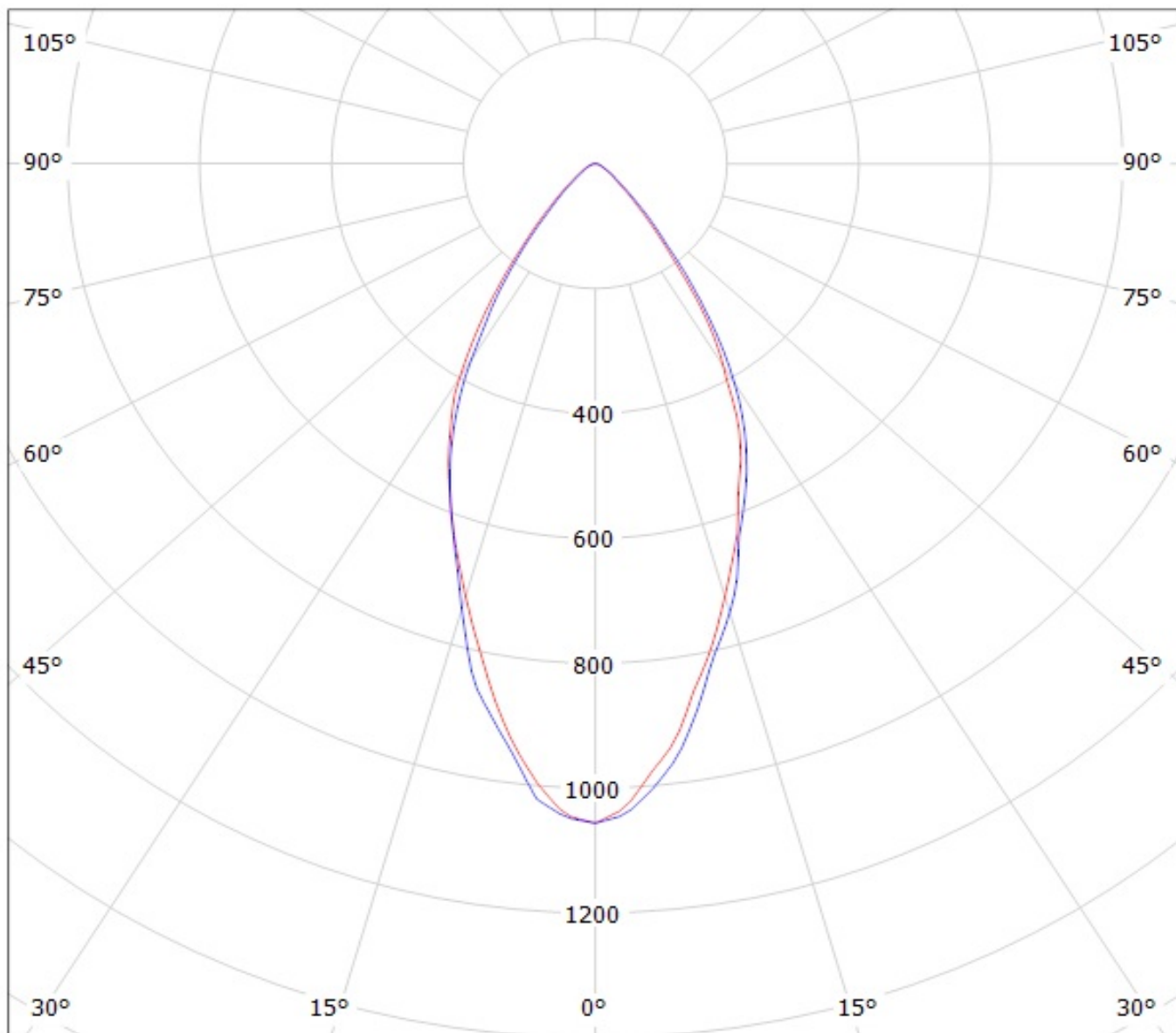
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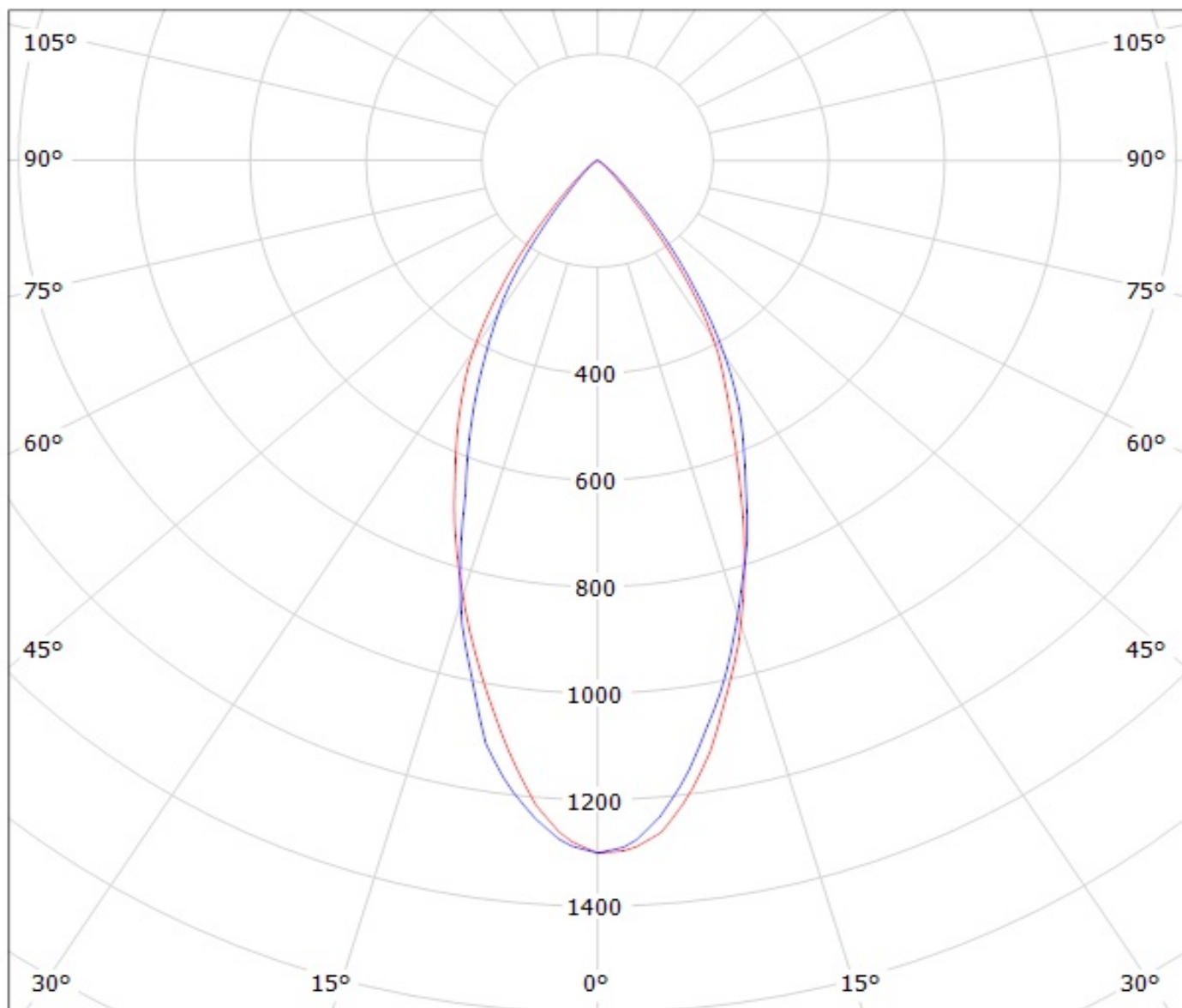


cd/klm

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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.**