

## DETAILS

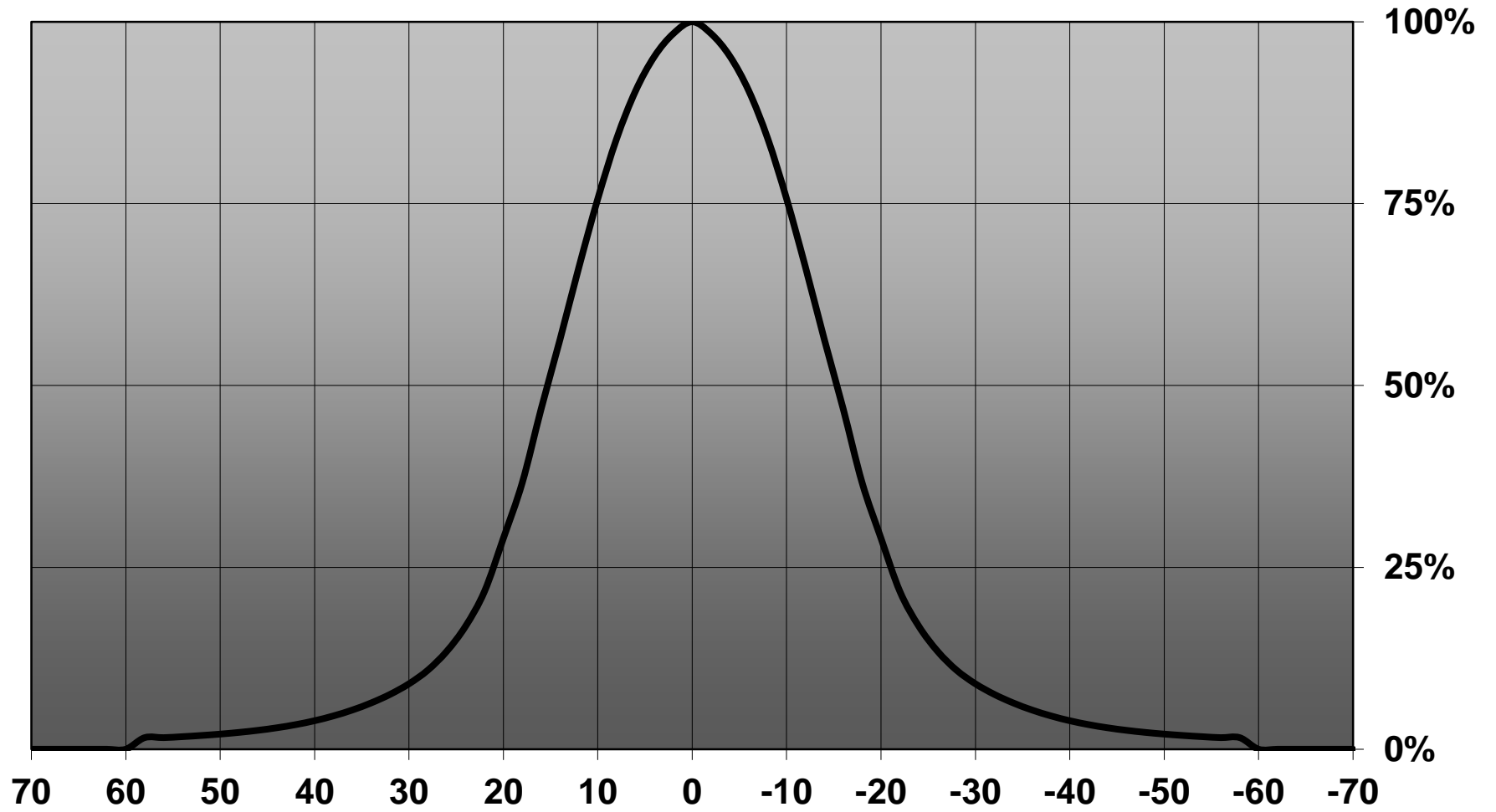
<b>Product Number</b>	C11700_SANDRA-12-W
<b>Family</b>	Sandra
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	67 mm
<b>Height</b>	11.1 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, glue
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	6/05/2014



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
LUXEON Rebel	sim:	Wide	-	-	-
Double Dome (GM2BB)	sim:	Wide	-	-	-
XP-E	26 deg	Wide	83 %	3.000	-
NCSxx19A	29 deg	Wide	87 %	2.200	-
NVSxx19A	30 deg	Wide	87 %	2.400	-
Oslon SSL 80	30 deg	Wide	90 %	2.600	-
LUXEON Rebel ES	30 deg	Wide	90 %	2.000	-
XP-G	34 deg	Wide	91 %	2.200	-
Z5	36 deg	Wide	-	-	-

# Relative intensity of C11700\_SANDRA-12-W-RE-ES

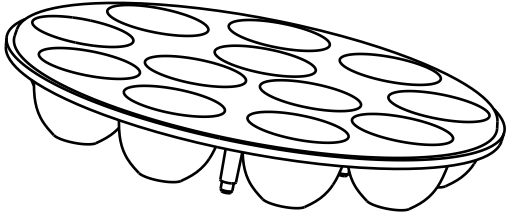


D

C

B

A



Isometric view  
Scale: 1:1

4

4

3

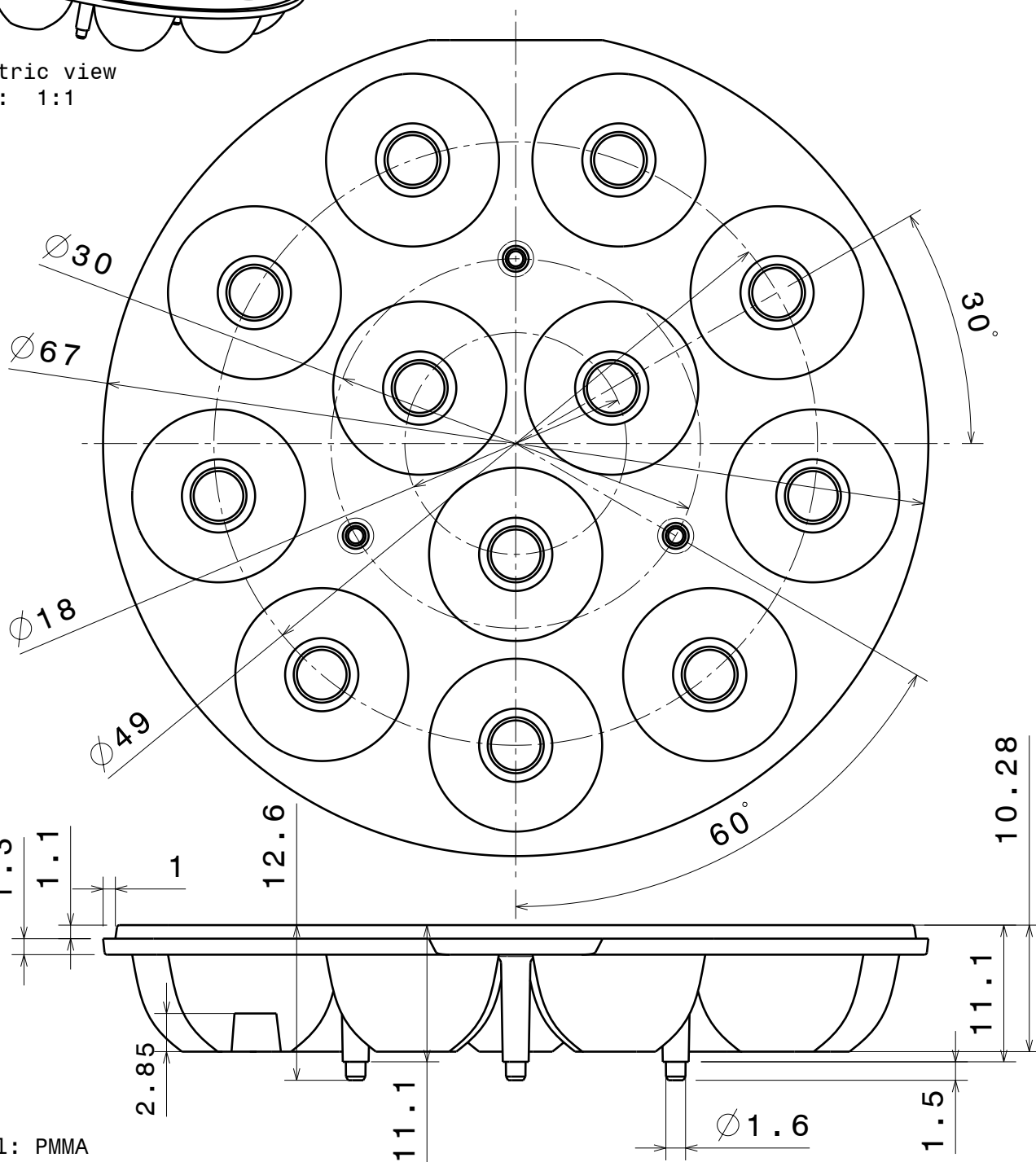
3

2

2

1

1



Material: PMMA

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Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

DRAWING TITLE  
**Datasheet Sandra-12 series lens**

DRAWN BY  
ah  
DATE  
31.12.2012

CHECKED BY  
DATE  
SIZE  
A4

DRAWING NUMBER  
-  
REV  
1

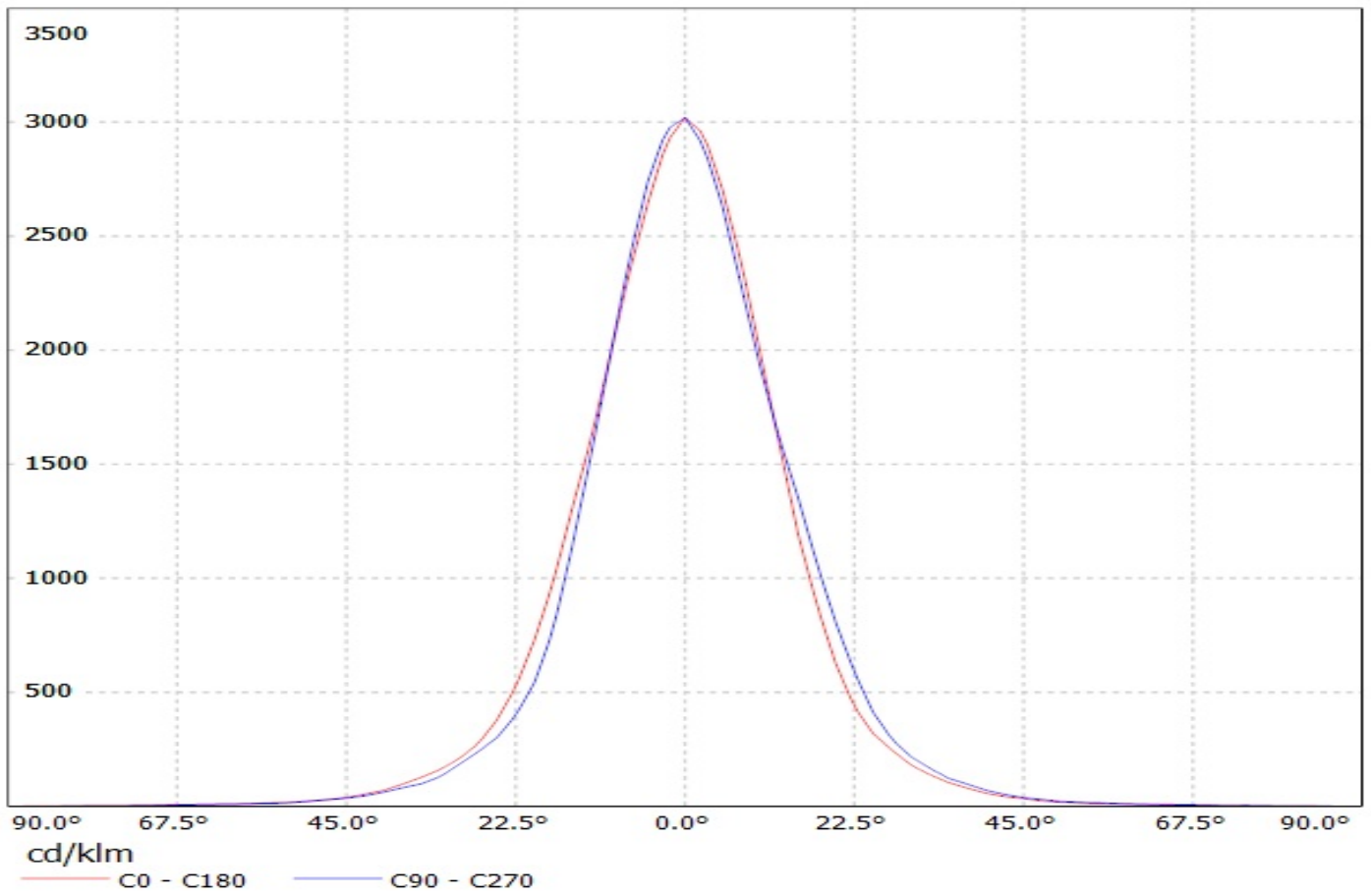
DESIGNED BY  
hh  
DATE  
27.08.2010

SCALE  
2:1  
WEIGHT (g)  
SHEET  
1/1

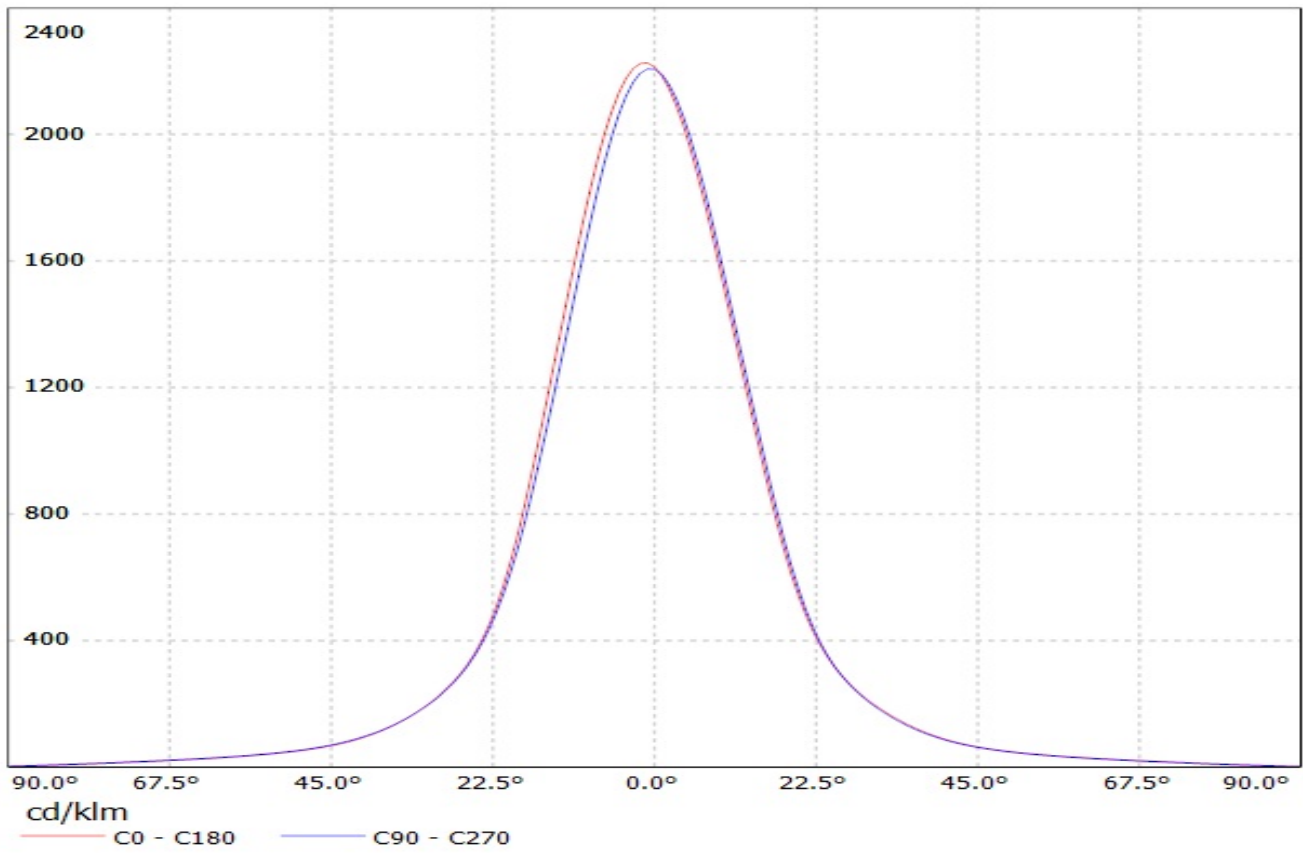
D

A

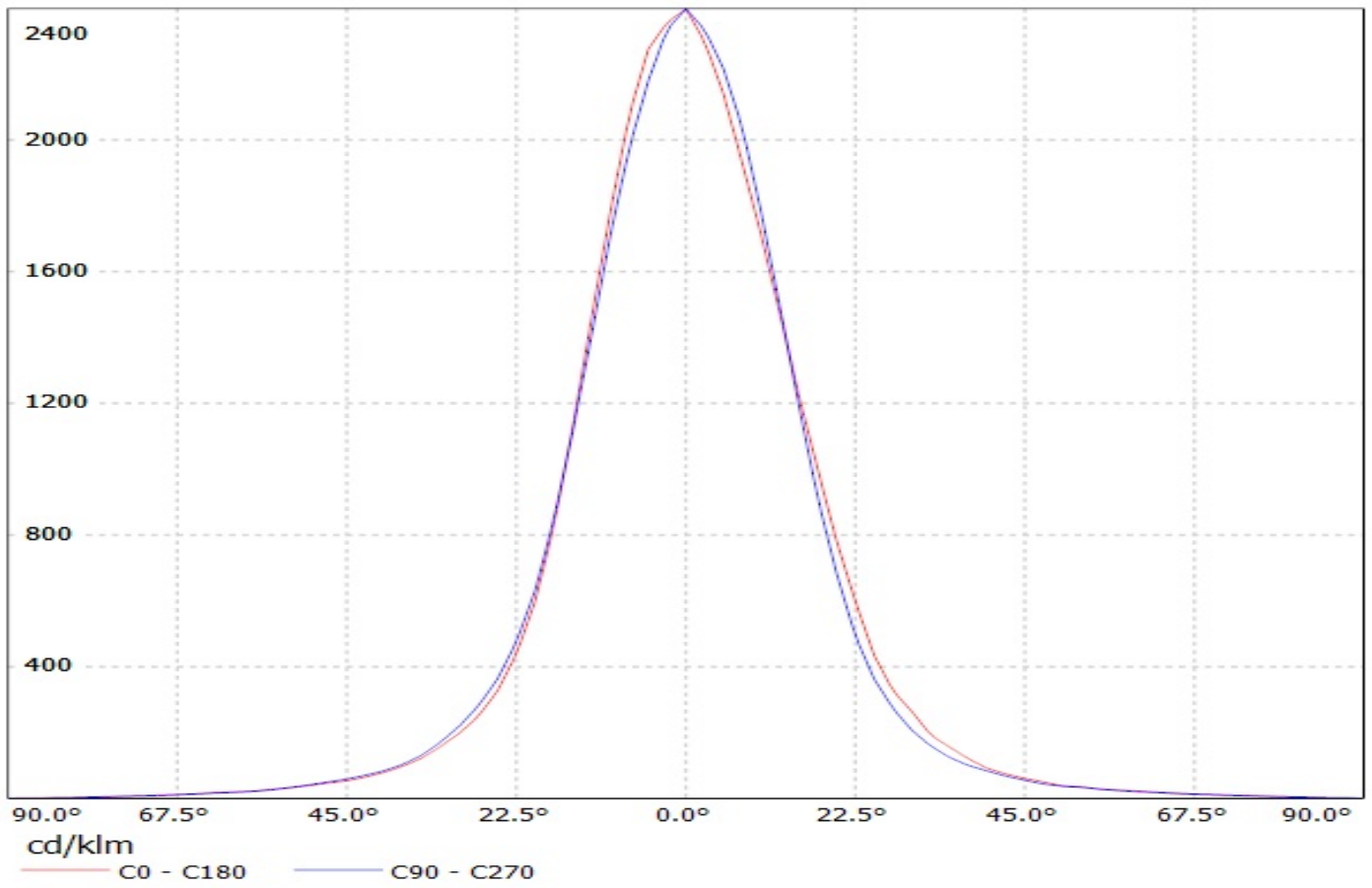
Luminaire: Ledil Oy C11700\_SANDRA-12-W (Cree XP-E 817lm@ 250mA) Efficiency=83%  
Lamps: 1 x Cree XP-E 817lm@ 250mA



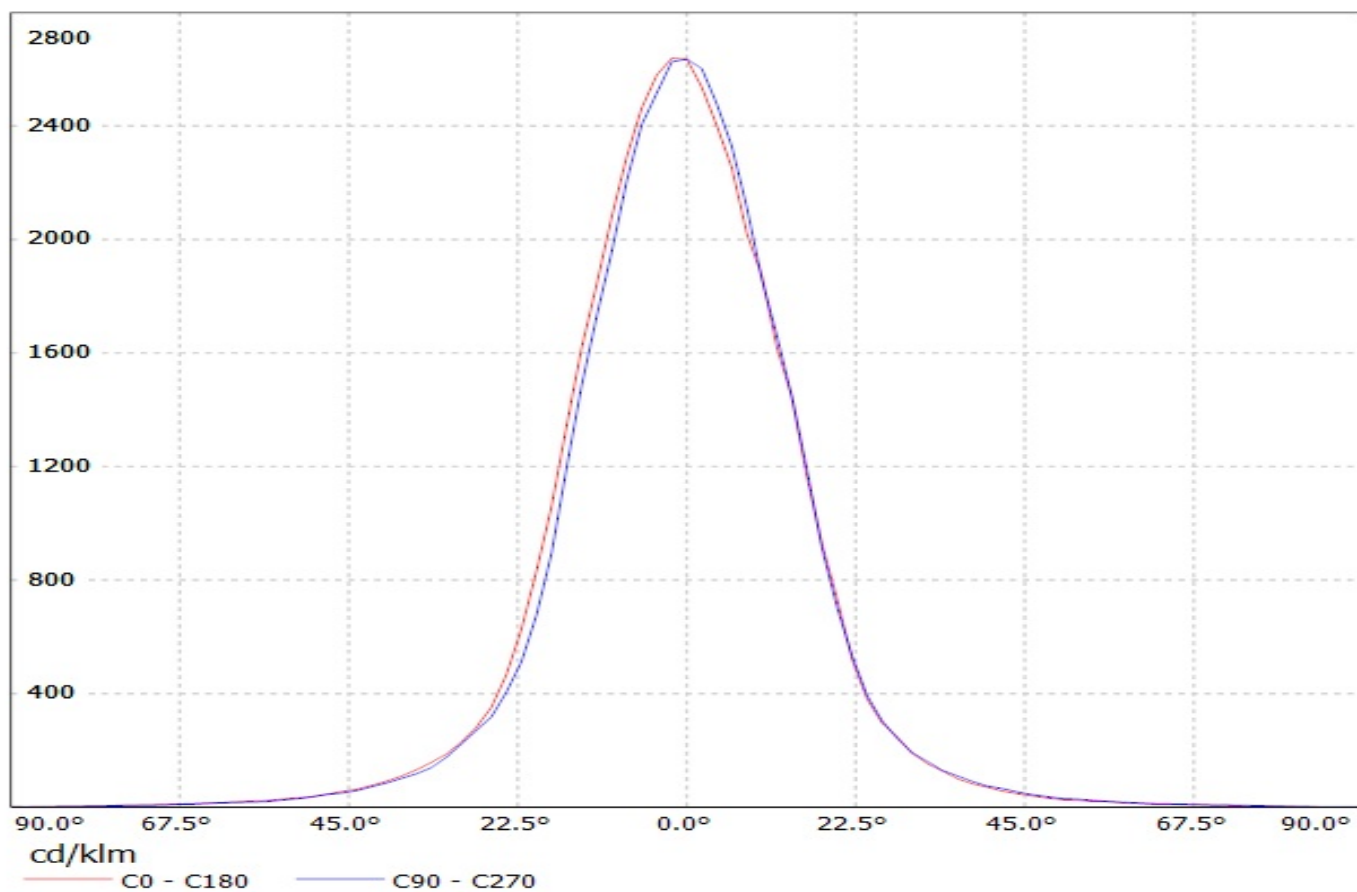
Luminaire: LEDIL OY C11700\_SANDRA-12-W (NCS19) Efficiency=87%  
Lamps: 1 x Nichia NCS19 (565lm@250mA)



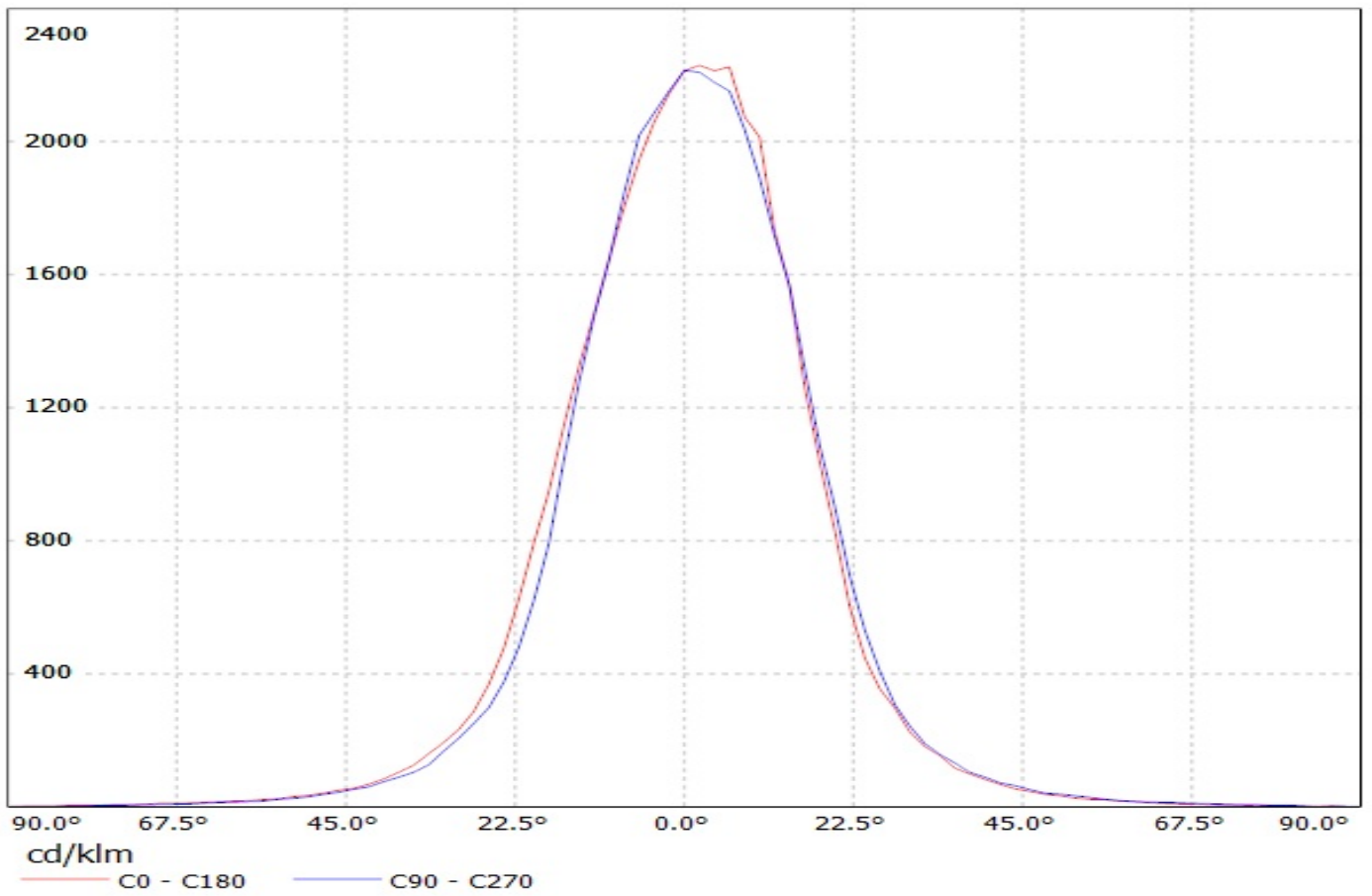
Luminaire: Ledil Oy C11700 SANDRA-12-W (Nichia NVS19 1075lm @ 250mA) Efficiency=87%  
Lamps: 1 x Nichia NVS19 1075lm @ 250mA



Luminaire: Ledil Oy C11700\_SANDRA-12-W (Osram Oslon 80deg 968lm @ 250mA) Efficiency=90%  
Lamps: 1 x Osram Oslon 80deg 968lm @ 250mA

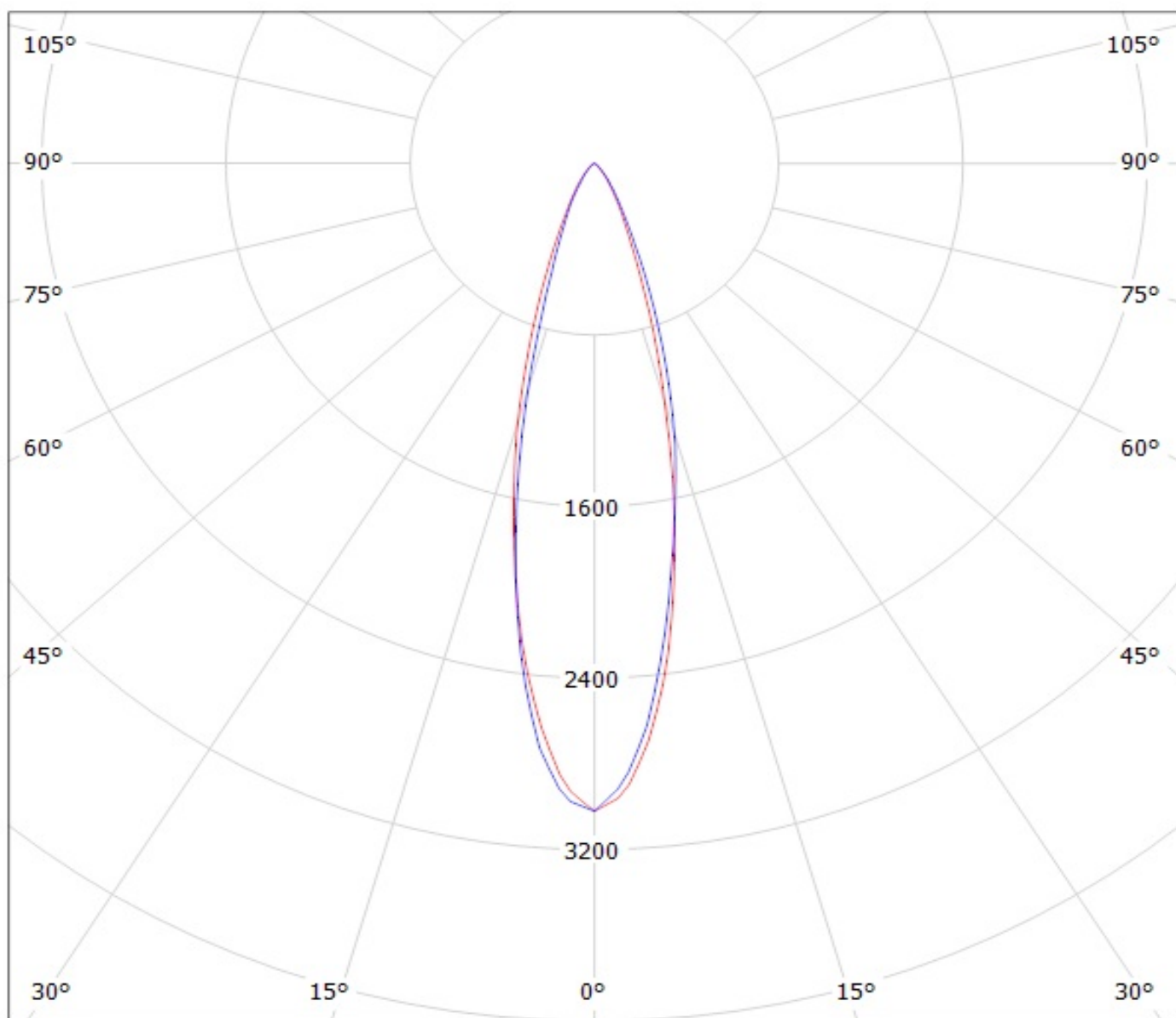


Luminaire: Ledil Oy C11700\_SANDRA-12-W (Cree XP-G 1145lm @ 250mA) Efficiency=91%  
Lamps: 1 x Cree XP-G 1145lm @ 250mA





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Lamps: 1 x Cree XP-E 817lm@ 250mA



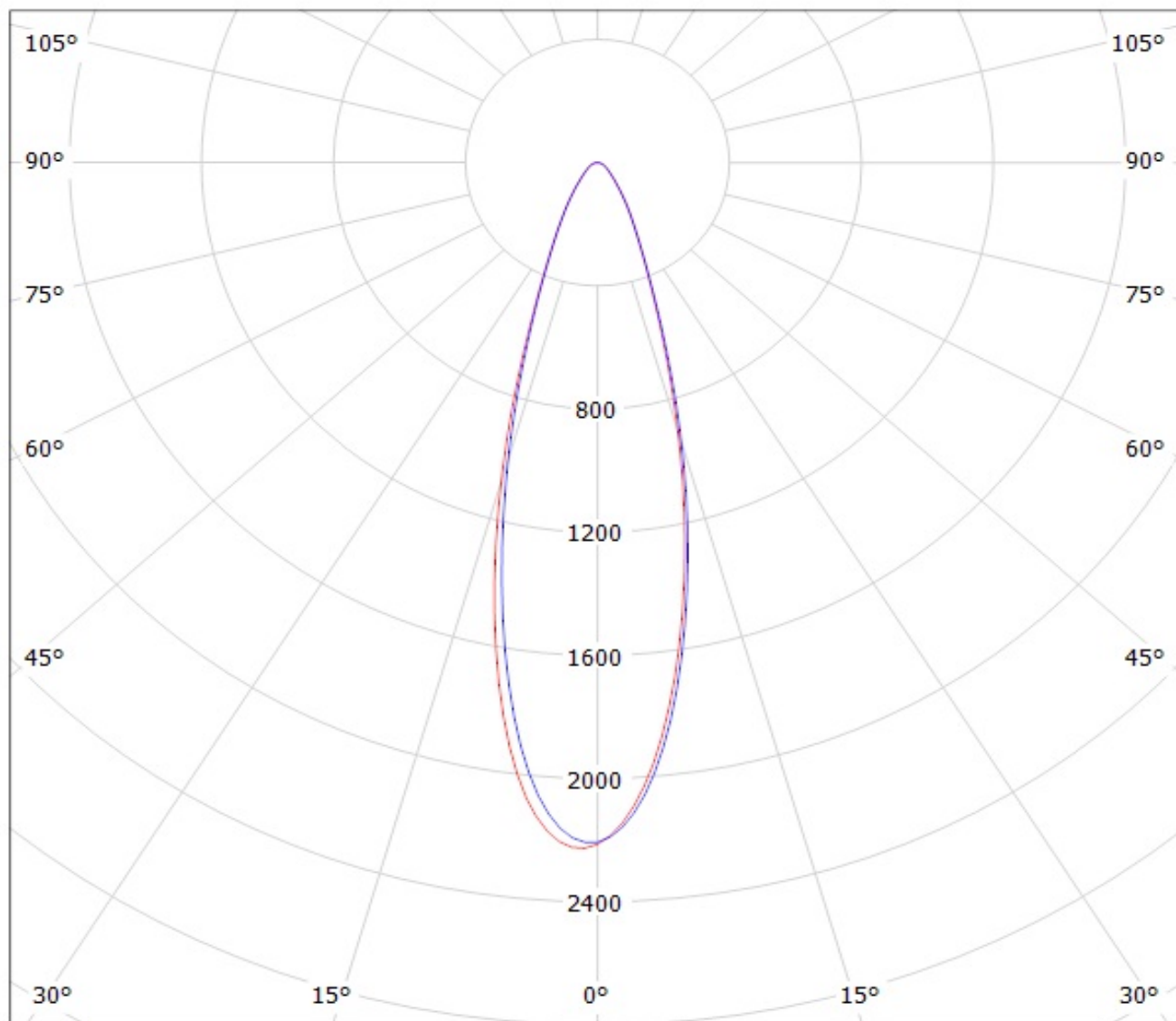
cd/klm

— C0 - C180

— C90 - C270

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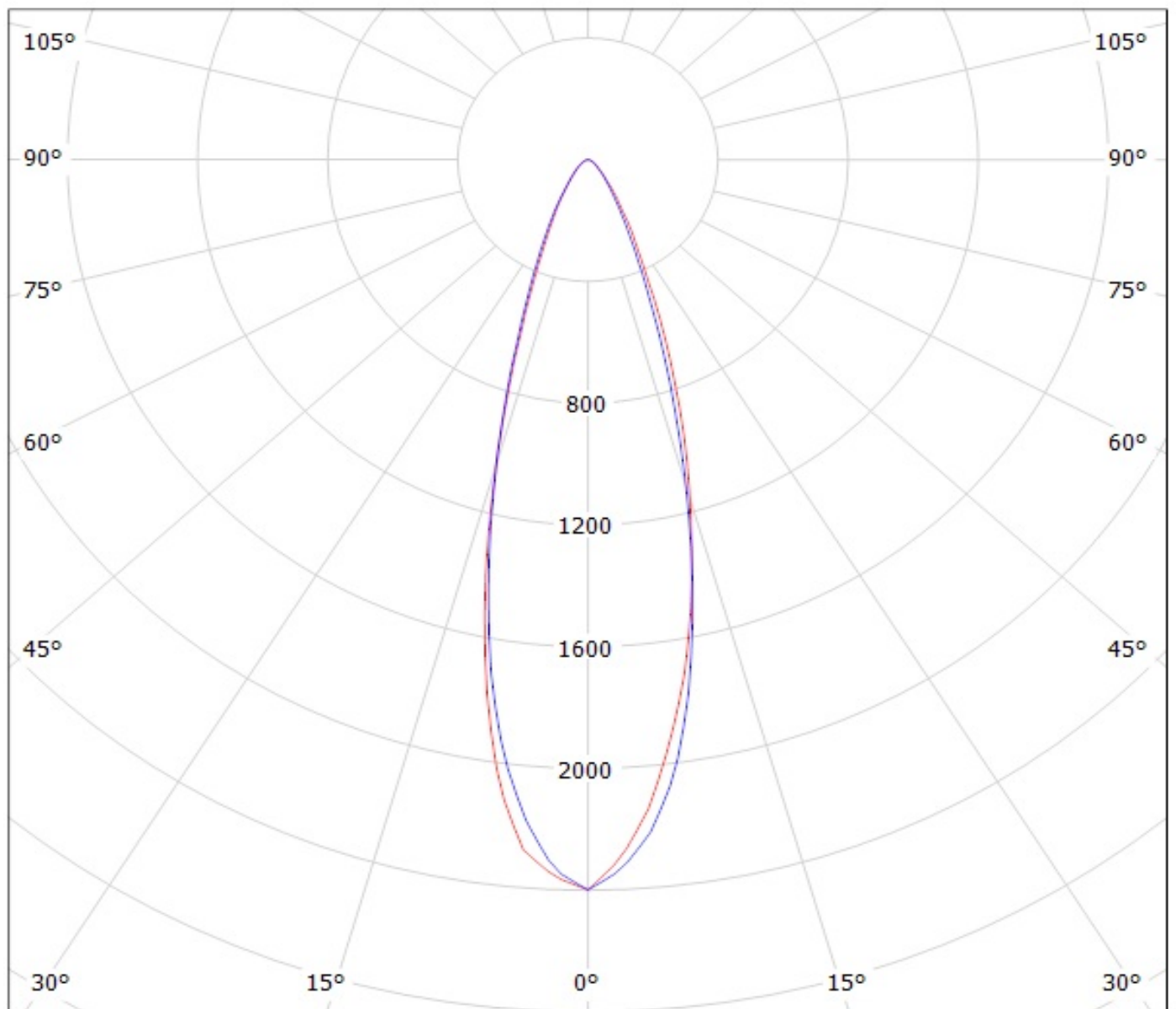


cd/klm

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— C90 - C270

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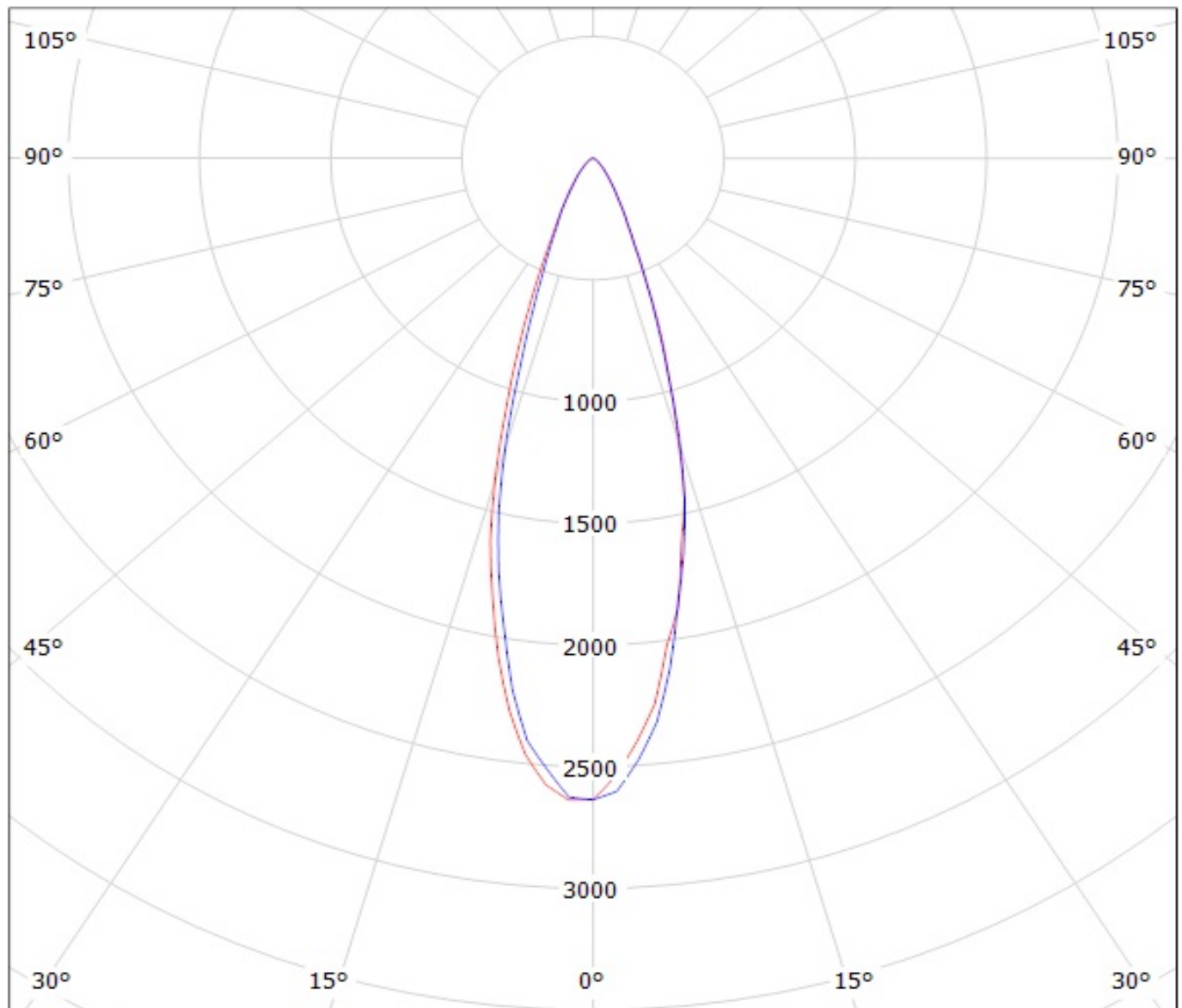


cd/klm

— C0 - C180

— C90 - C270

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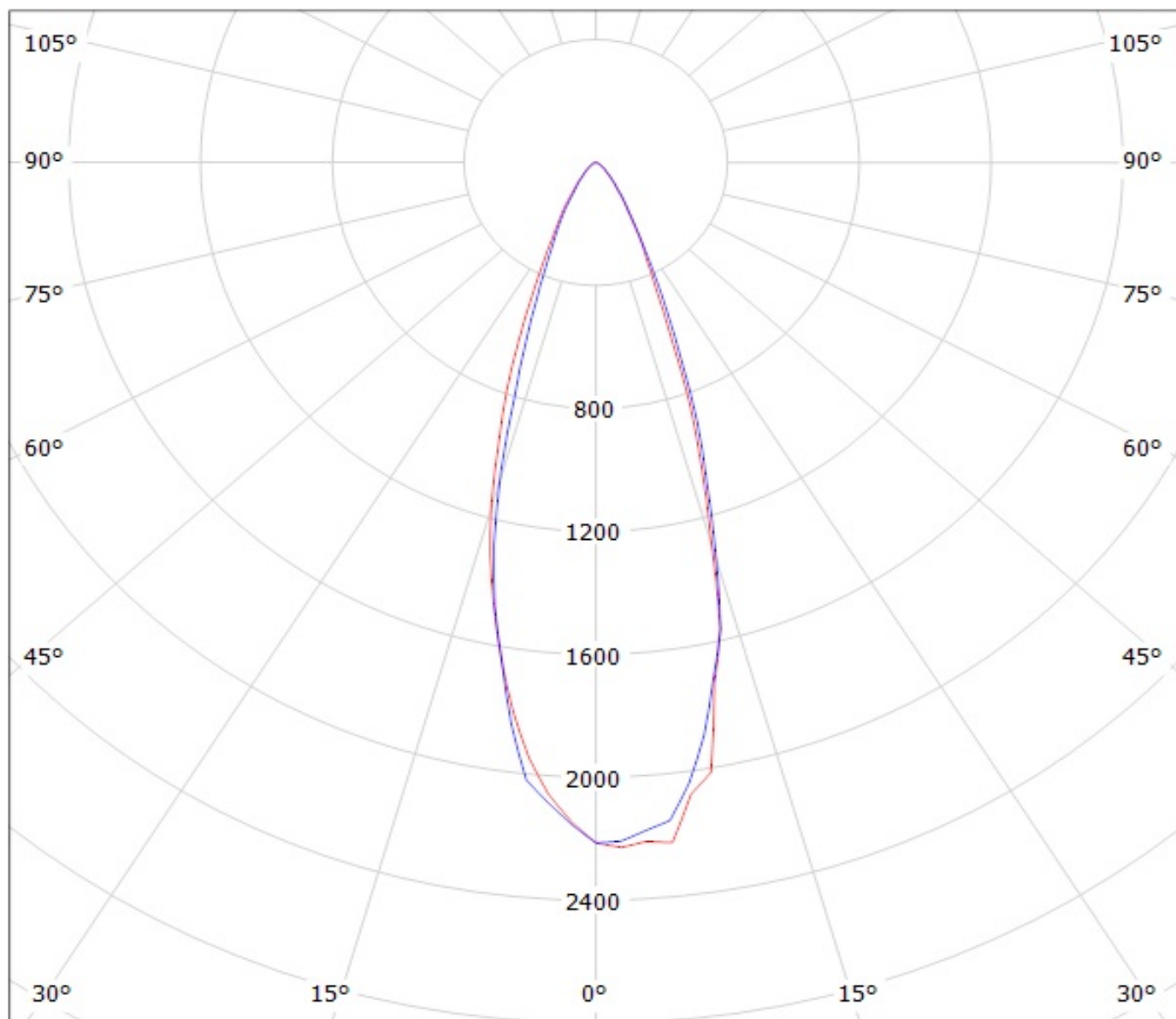


cd/klm

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— C90 - C270

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Lamps: 1 x Cree XP-G 1145lm @ 250mA



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.**