

DETAILS

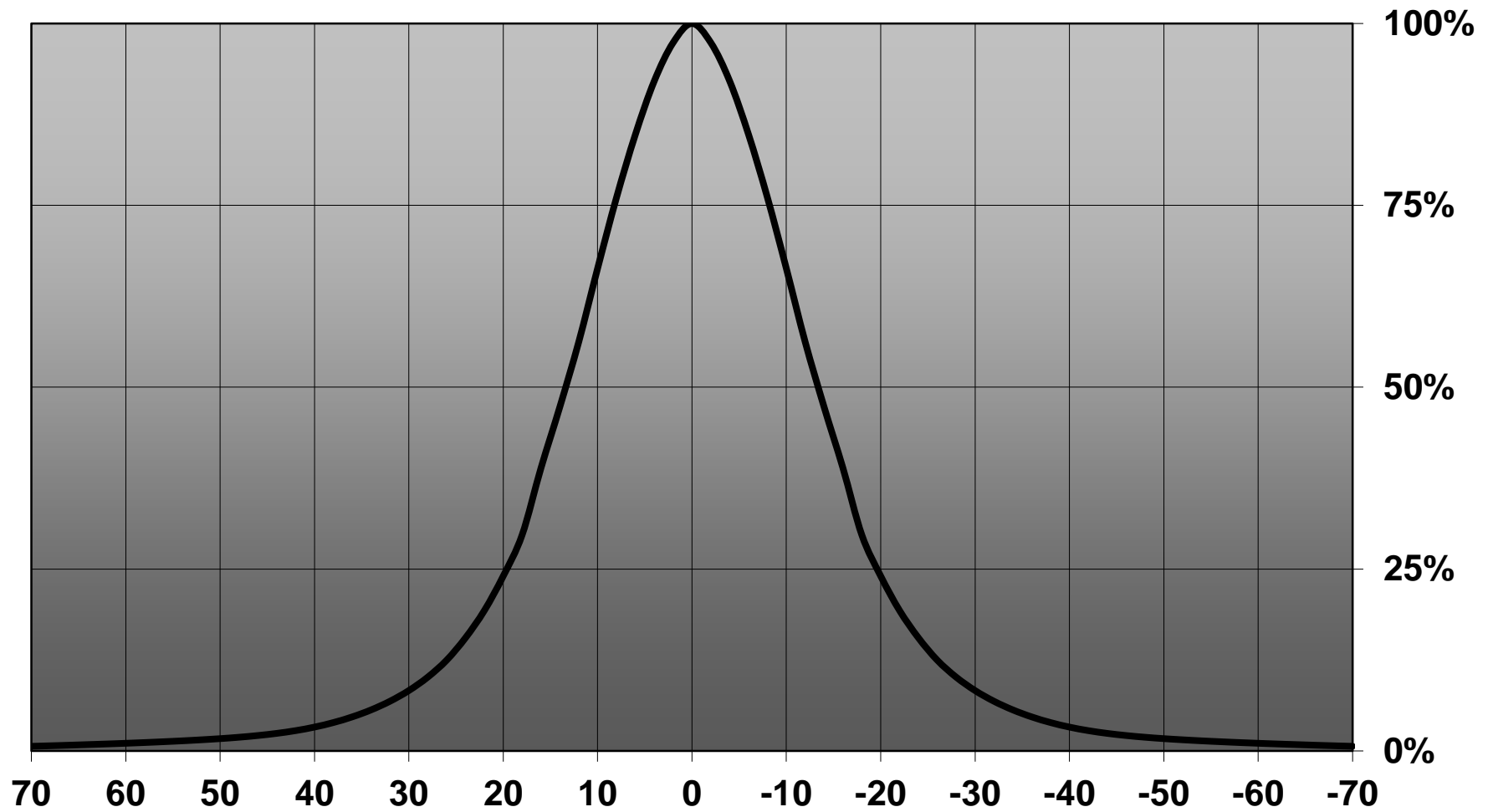
Product Number	C11814_SANDRA-12-M
Family	Sandra
Type	Lens array
Color	clear
Diameter	67 mm
Height	11.1 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	ready
ROHS Compliant	Yes
Date Updated	15/02/2013



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON Rebel	sim:	Medium	-	-	-
Double Dome (GM2BB)	sim:	Medium	-	-	-
LUXEON Rebel ES	26 deg	Medium	-	2.100	-
NCSxx19A	27 deg	Medium	86 %	2.400	-
Z5	28 deg	Medium	-	-	-
Oslon SSL 80	28 deg	Medium	90 %	2.700	-
XP-G	28 deg	Medium	91 %	2.500	-
XP-E	30 deg	Medium	84 %	2.100	-
NVSxx19A	30 deg	Medium	86 %	2.300	-

Relative intensity of C11814_SANDRA-12-M-RE-ES

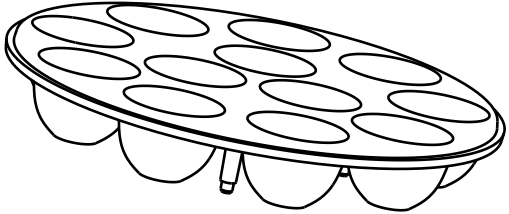


D

C

B

A



Isometric view
Scale: 1:1

4

4

3

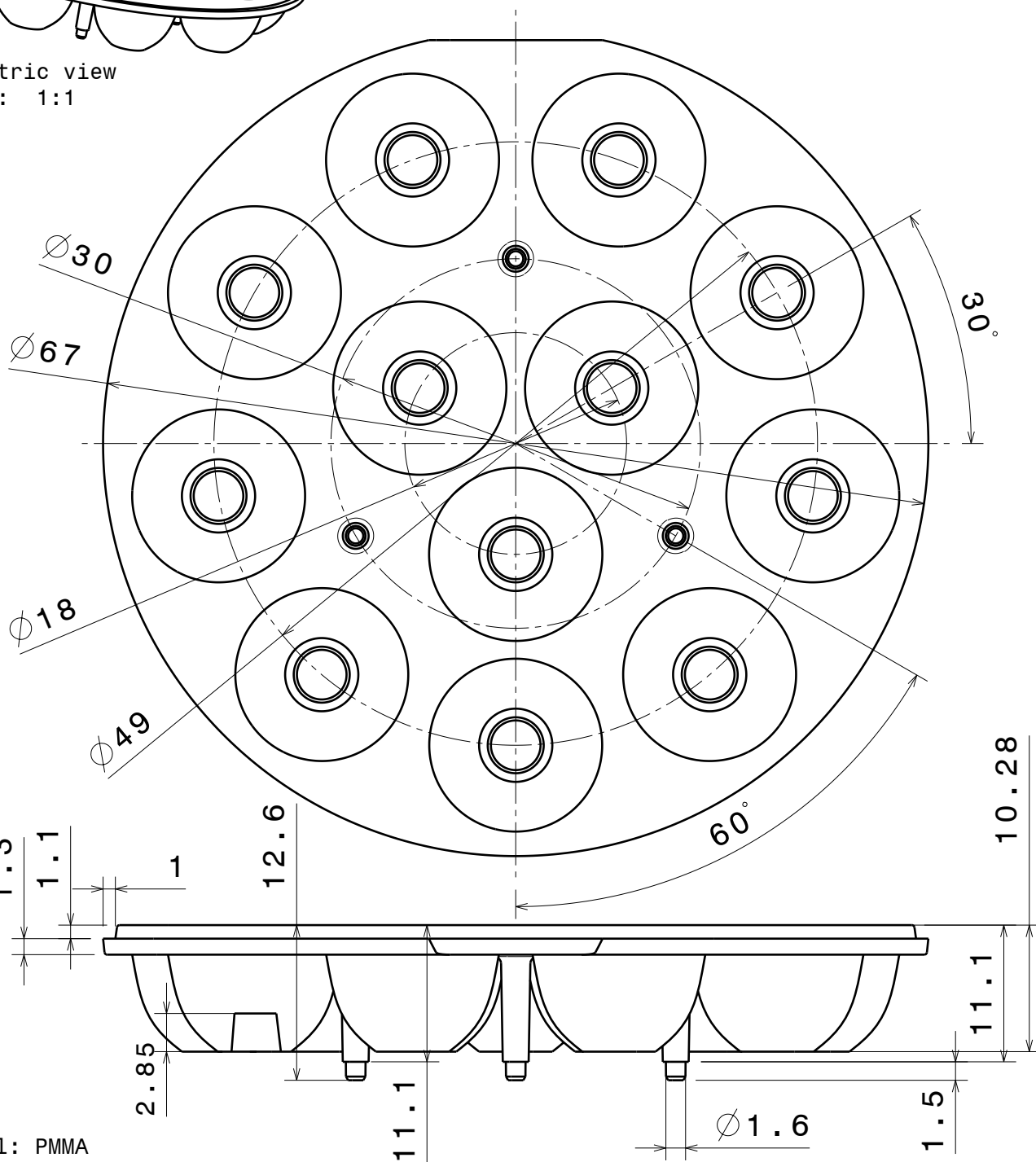
3

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

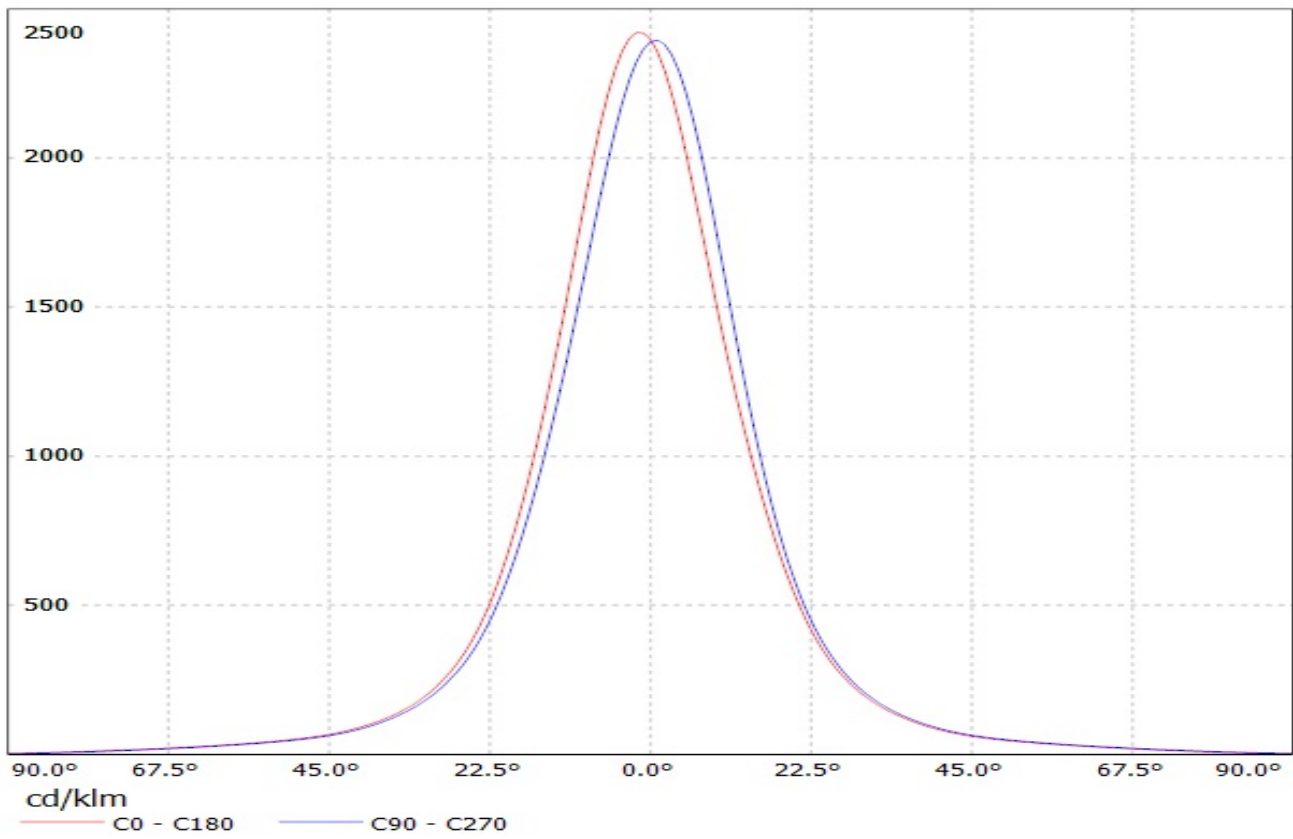
DESIGNED BY
hh
DATE
27.08.2010

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

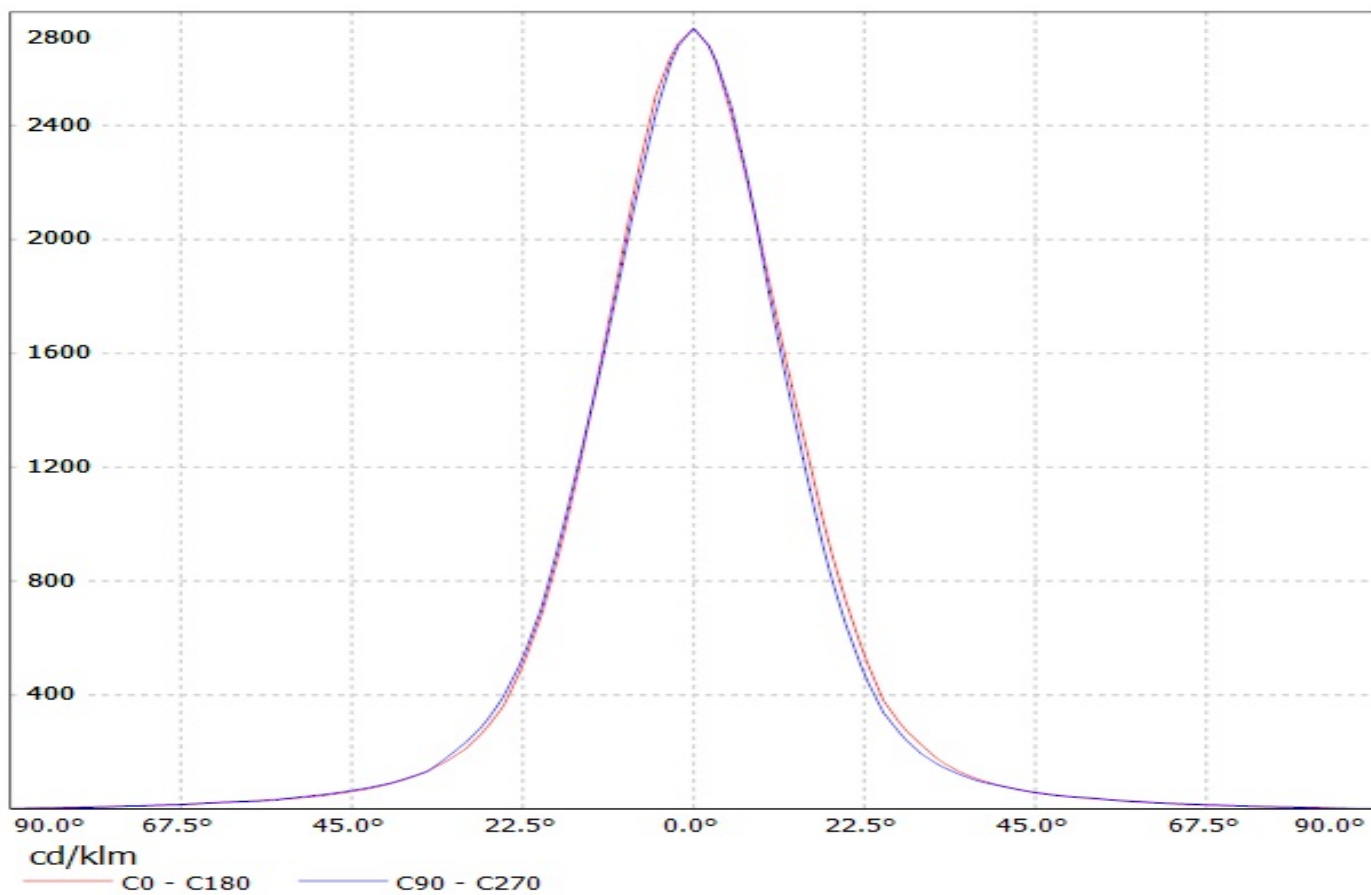
D

A

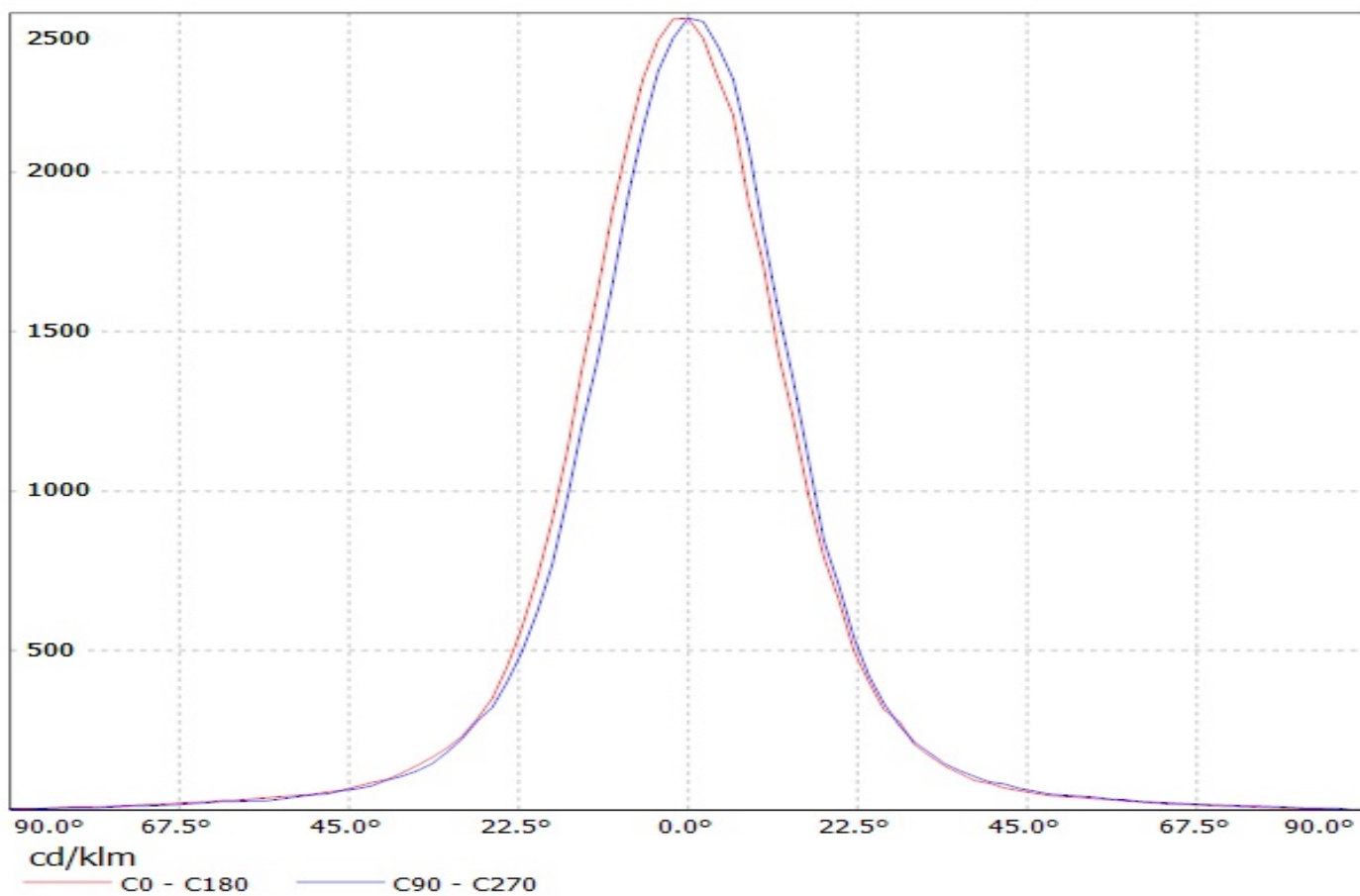
Luminaire: LEDIL OY C11814_SANDRA-12-M (NCS19) Efficiency=86%
Lamps: 1 x Nichia NCS19 (565lm@250mA)



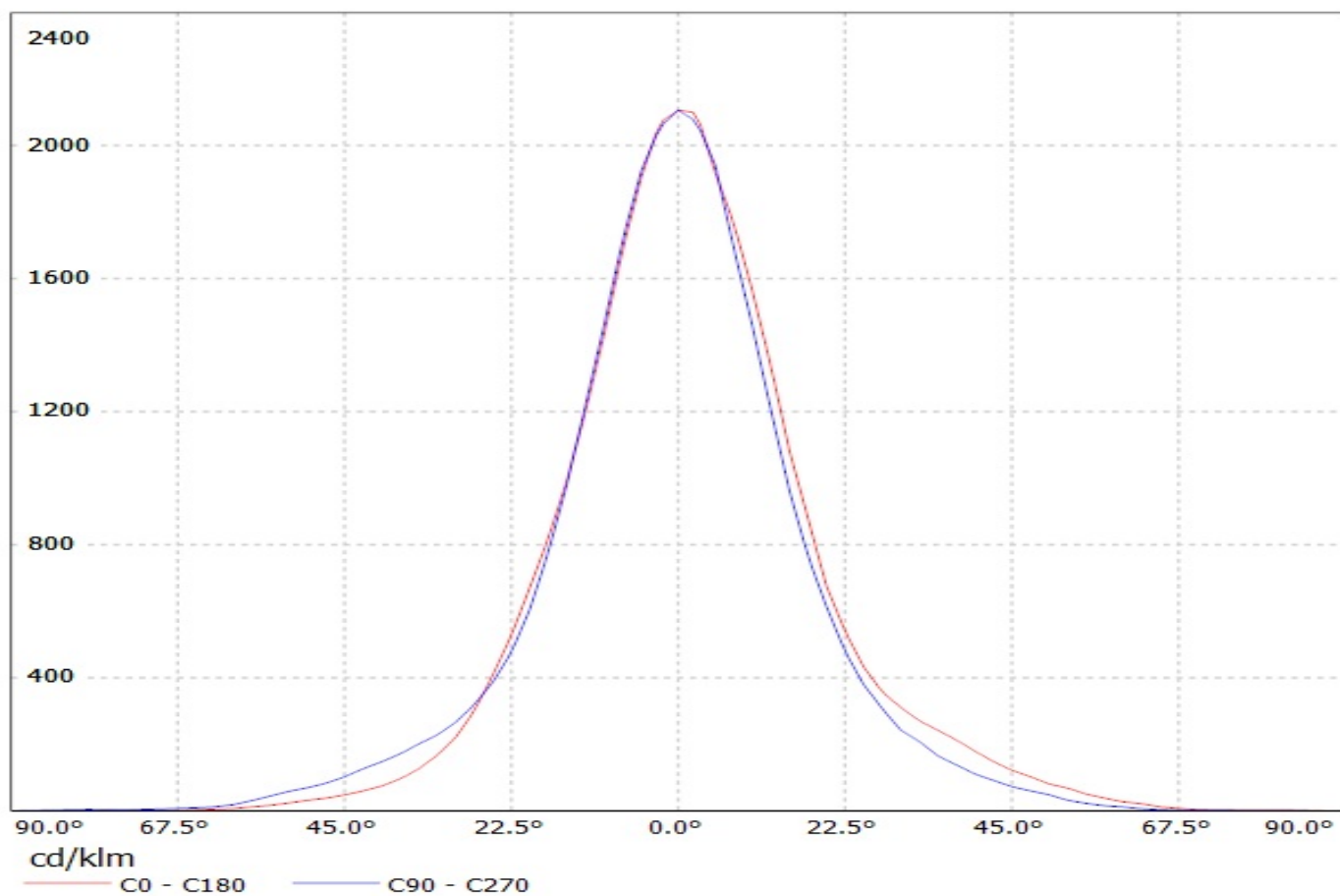
Luminaire: Ledil Oy C11814_SANDRA-12-M (Osram Oslon 80deg 968lm @ 250mA) Efficiency=90%
Lamps: 1 x Osram Oslon 80deg 968lm @ 250mA



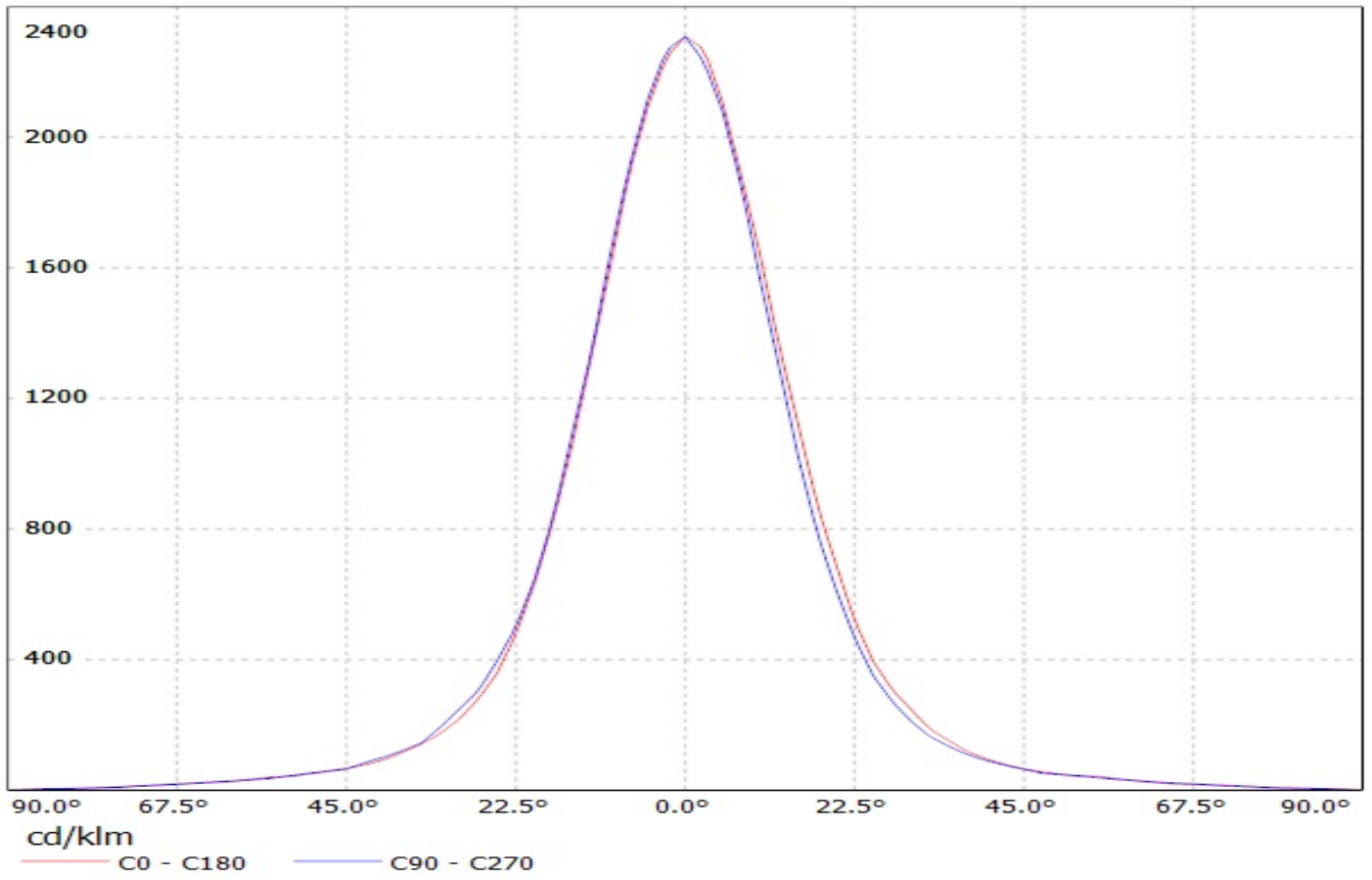
Luminaire: Ledil Oy C11814 SANDRA-12-M (Cree XP-G 1145lm @ 250mA) Efficiency=91%
Lamps: 1 x Cree XP-G 1145lm @ 250mA



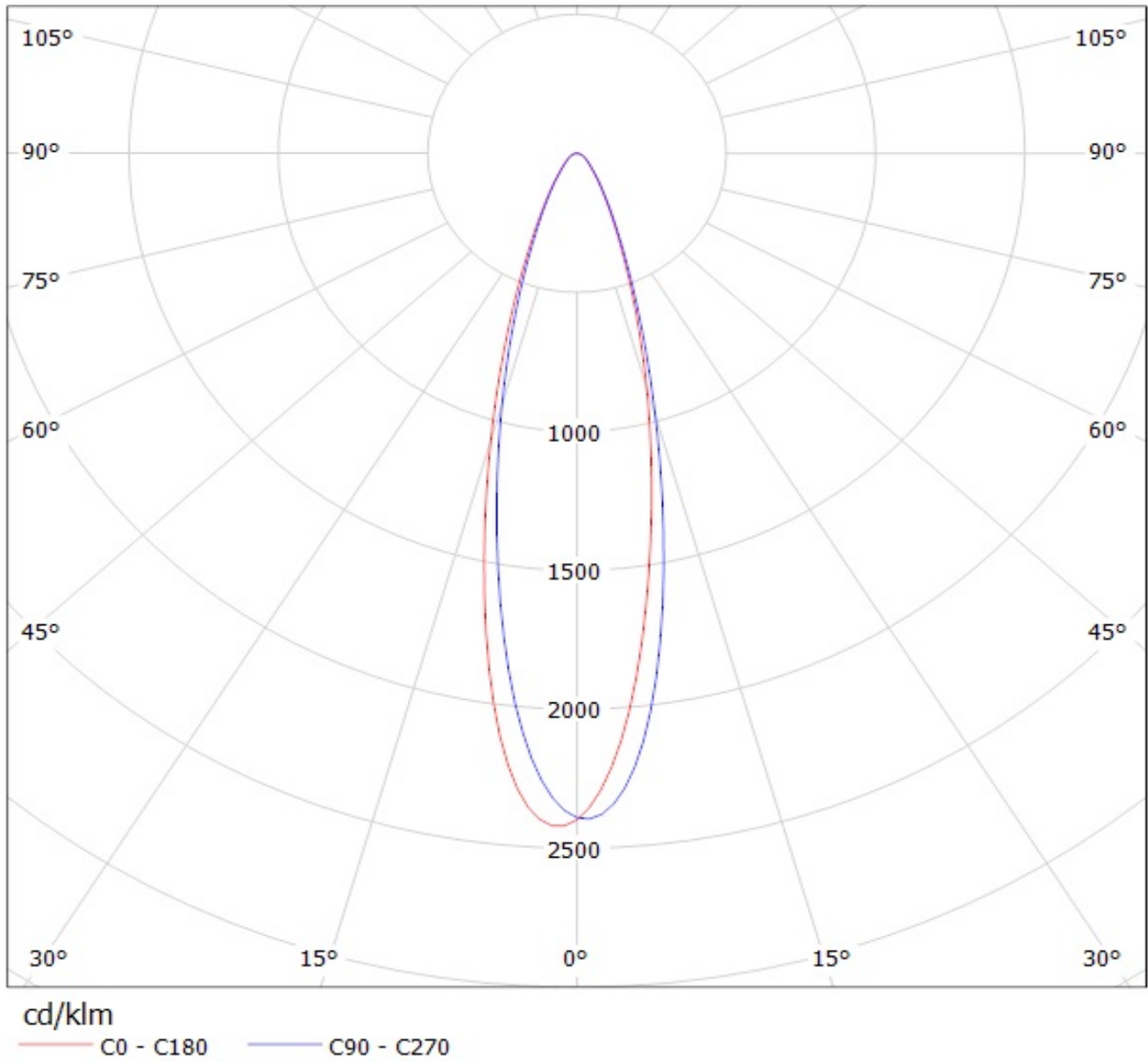
Luminaire: Ledil Oy C11814_SANDRA-12-M (Cree XP-E 817lm @ 250mA) Efficiency=84%
Lamps: 1 x Cree XP-E 817lm @ 250mA



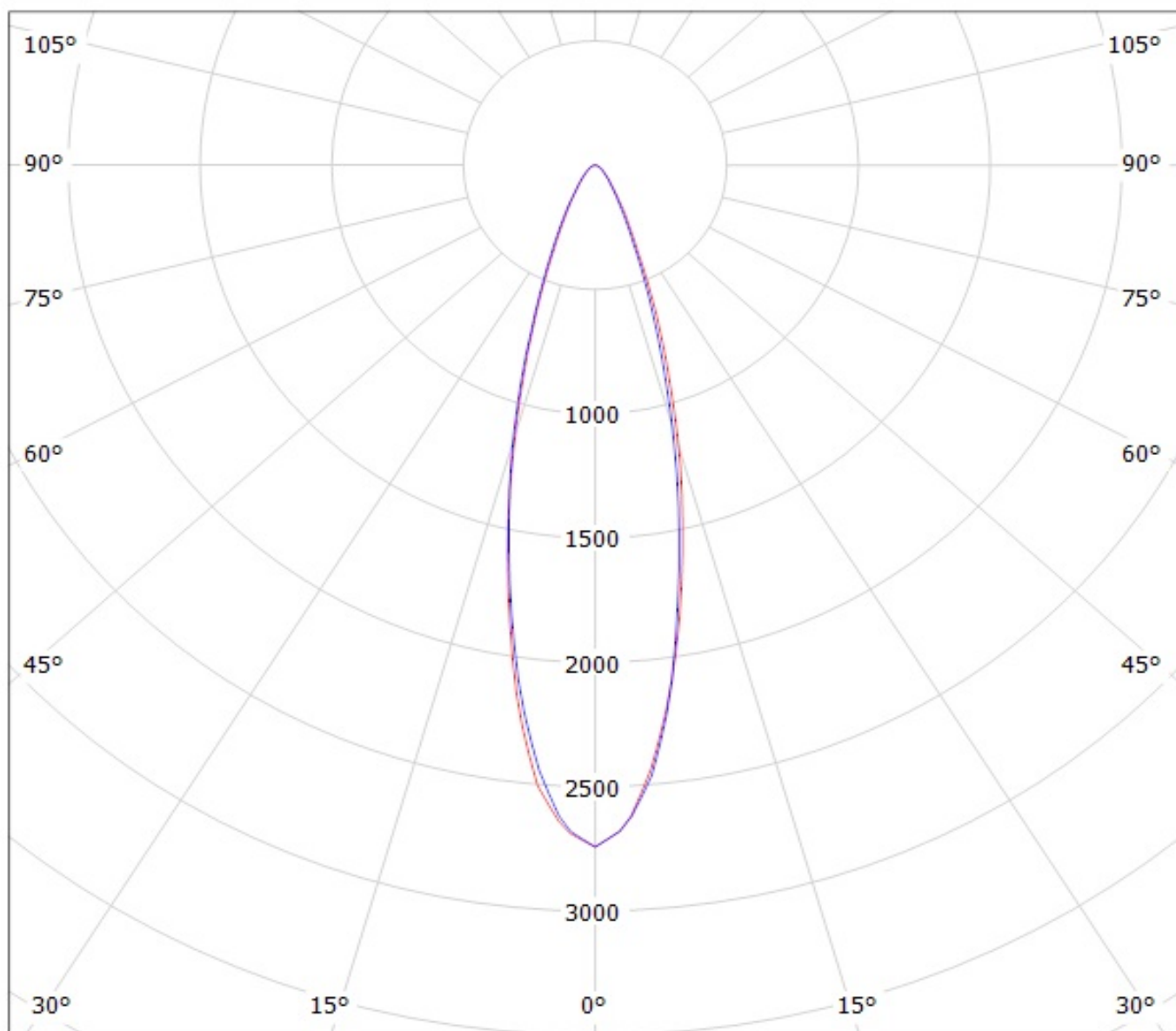
Luminaire: Ledil Oy C11814_SANDRA-12-M (Nichia NVS19 1075lm @ 250mA) Efficiency=86%
Lamps: 1 x Nichia NVS19 1075lm @ 250mA



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Lamps: 1 x Nichia NCS19 (565lm@250mA)



Luminaire: Ledil Oy C11814_SANDRA-12-M (Osram Oslon 80deg 968lm @ 250mA) Efficiency=90%
Lamps: 1 x Osram Oslon 80deg 968lm @ 250mA

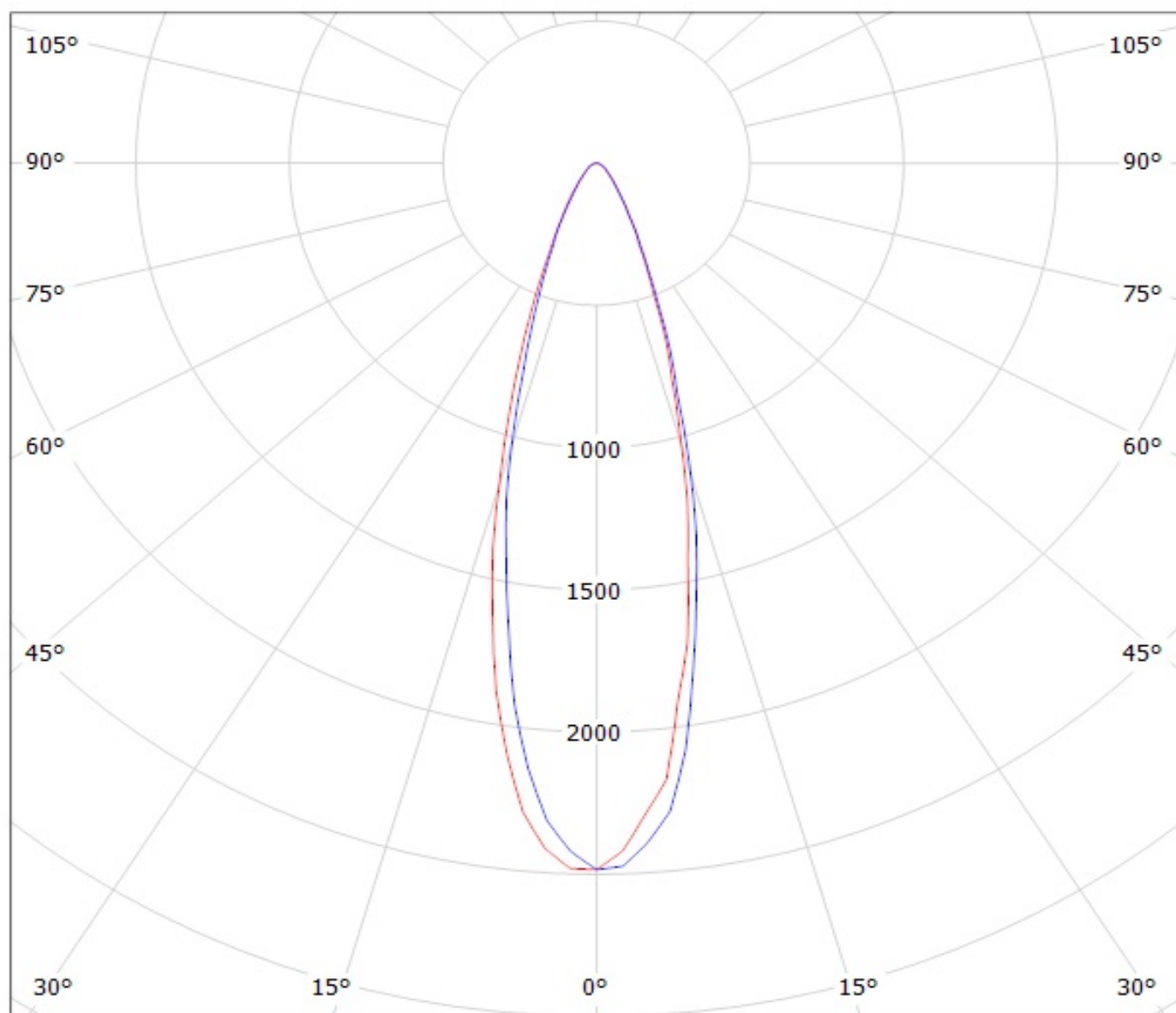


cd/klm

— C0 - C180

— C90 - C270

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

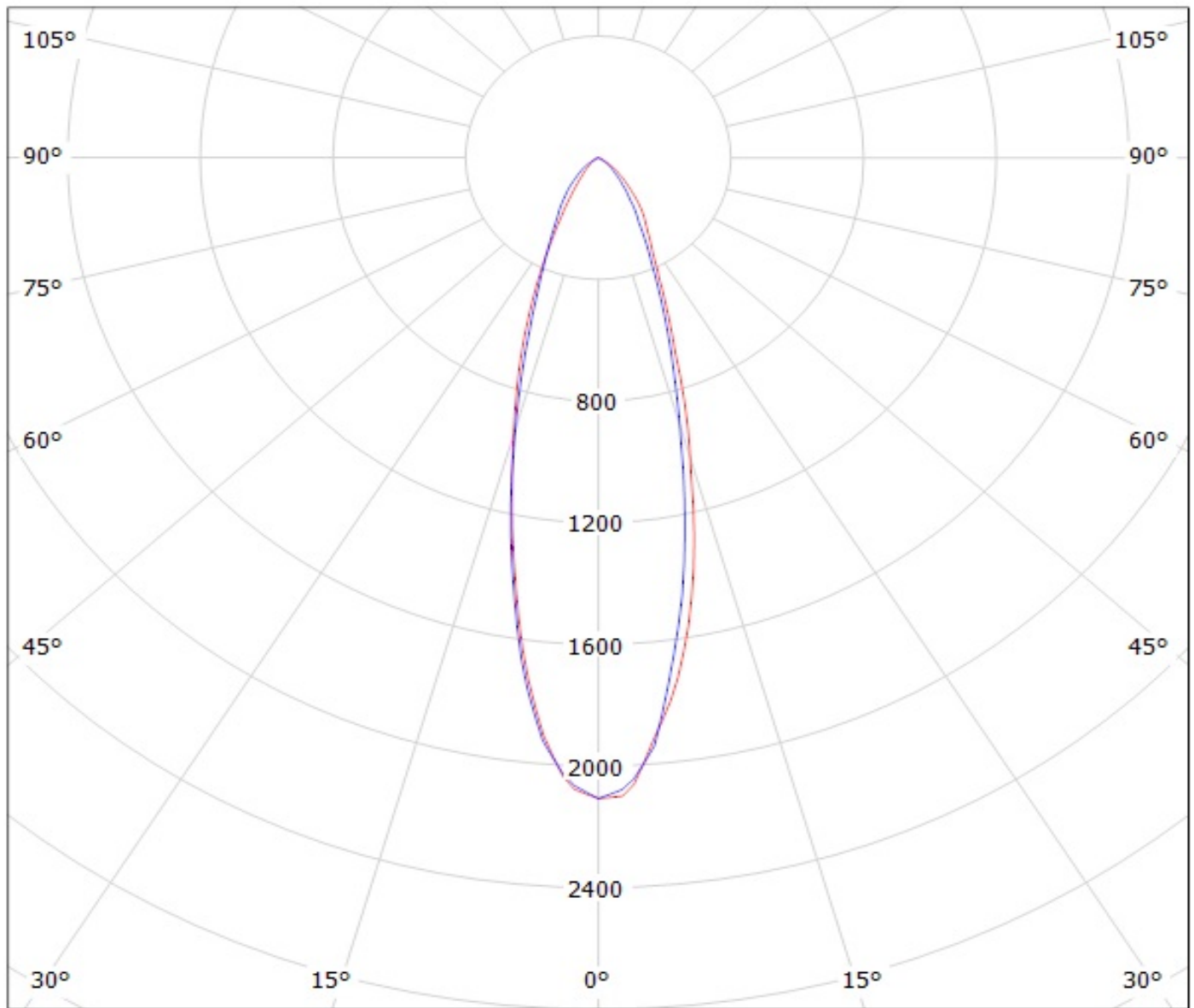


cd/klm

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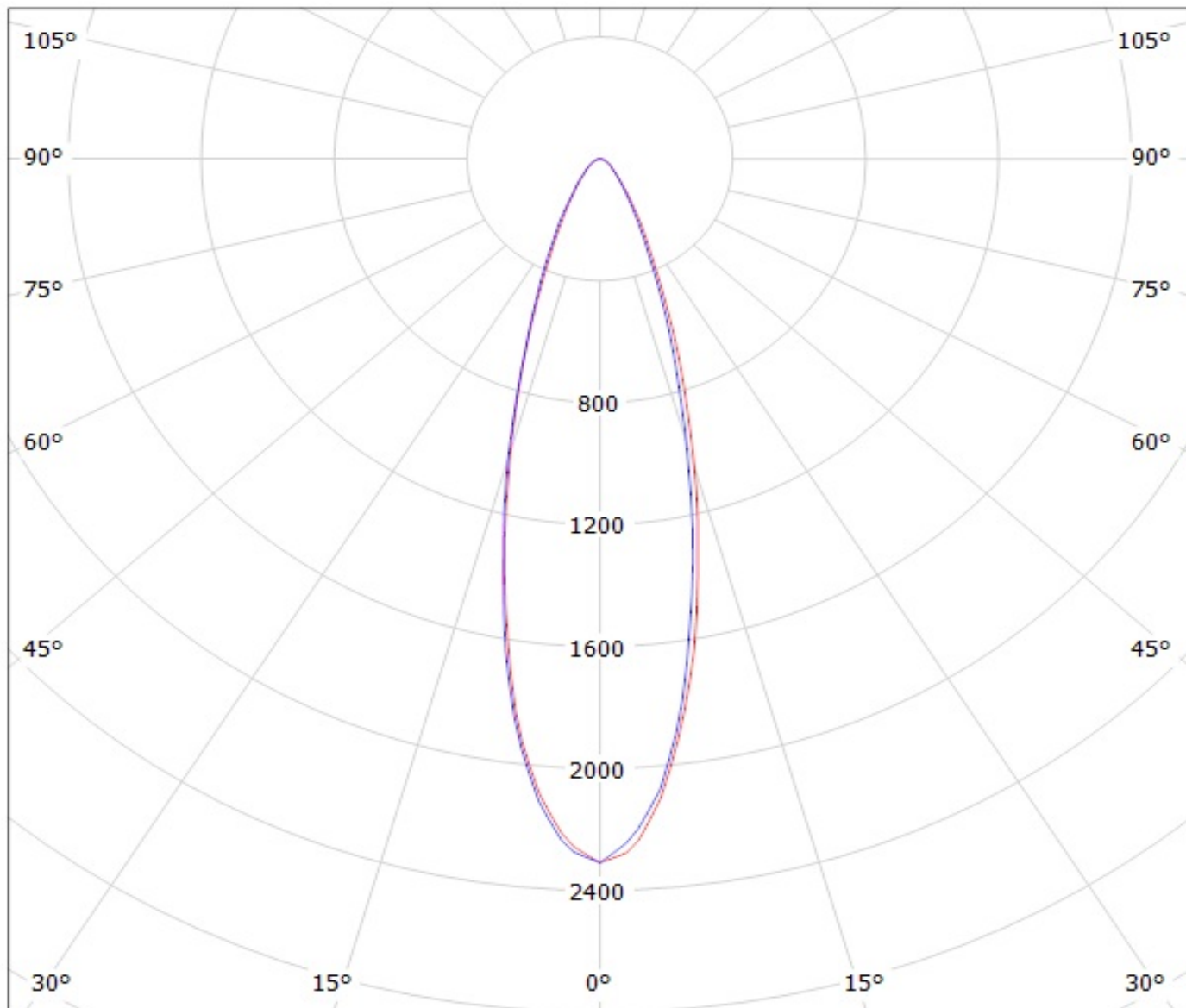


cd/klm

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— C90 - C270

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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.