PRODUCT DATASHEET
Lisa2 series
last update 19/9/2014

DETAILS



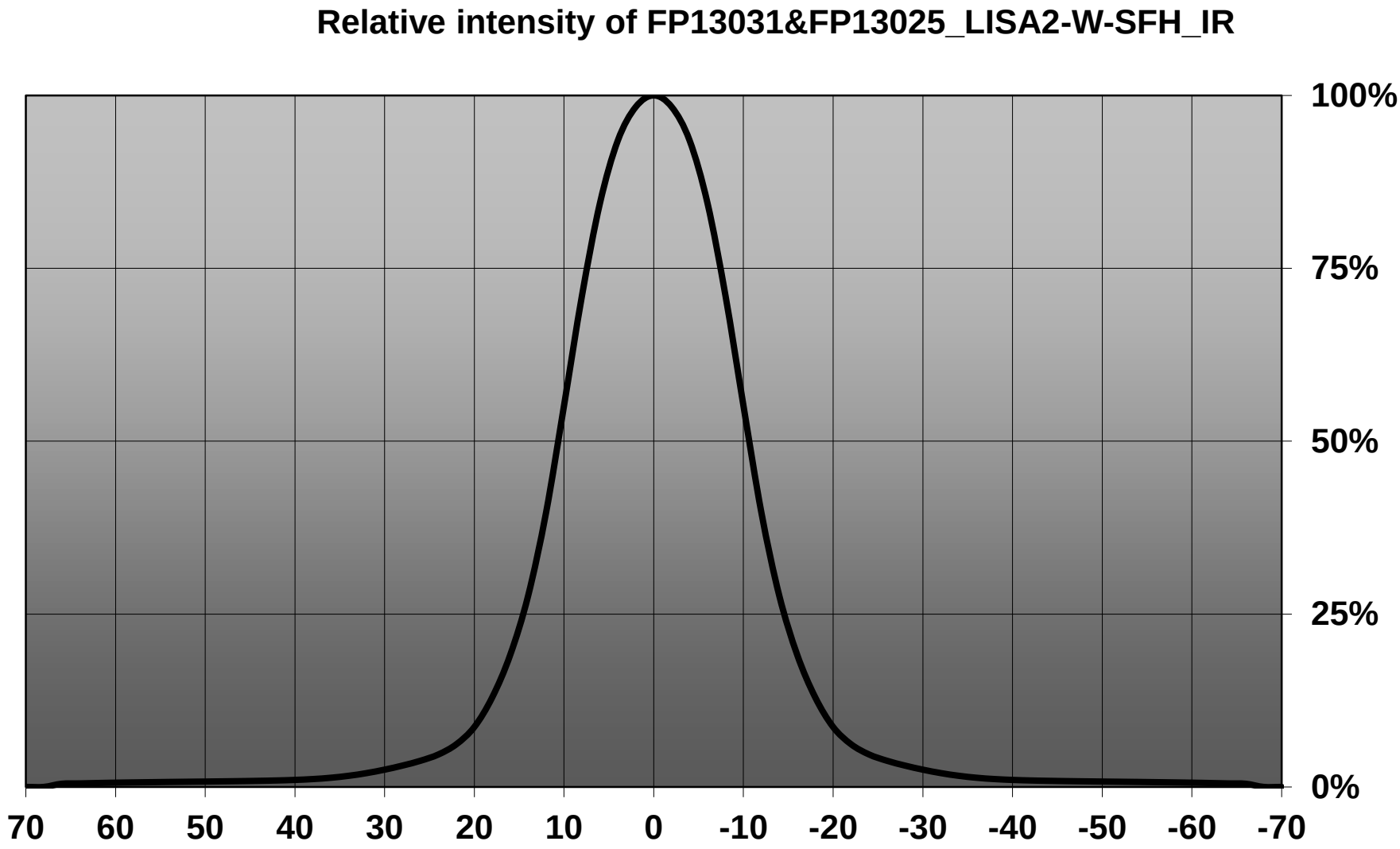
Product Number	FP13031_LISA2-W-CLIP
Family	Lisa2
Type	Assembly
Color	black
Diameter	9.9 mm
Height	6.8 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	clips, glue
Status	ready
ROHS Comliant	Yes
Date Updated	18/08/2014

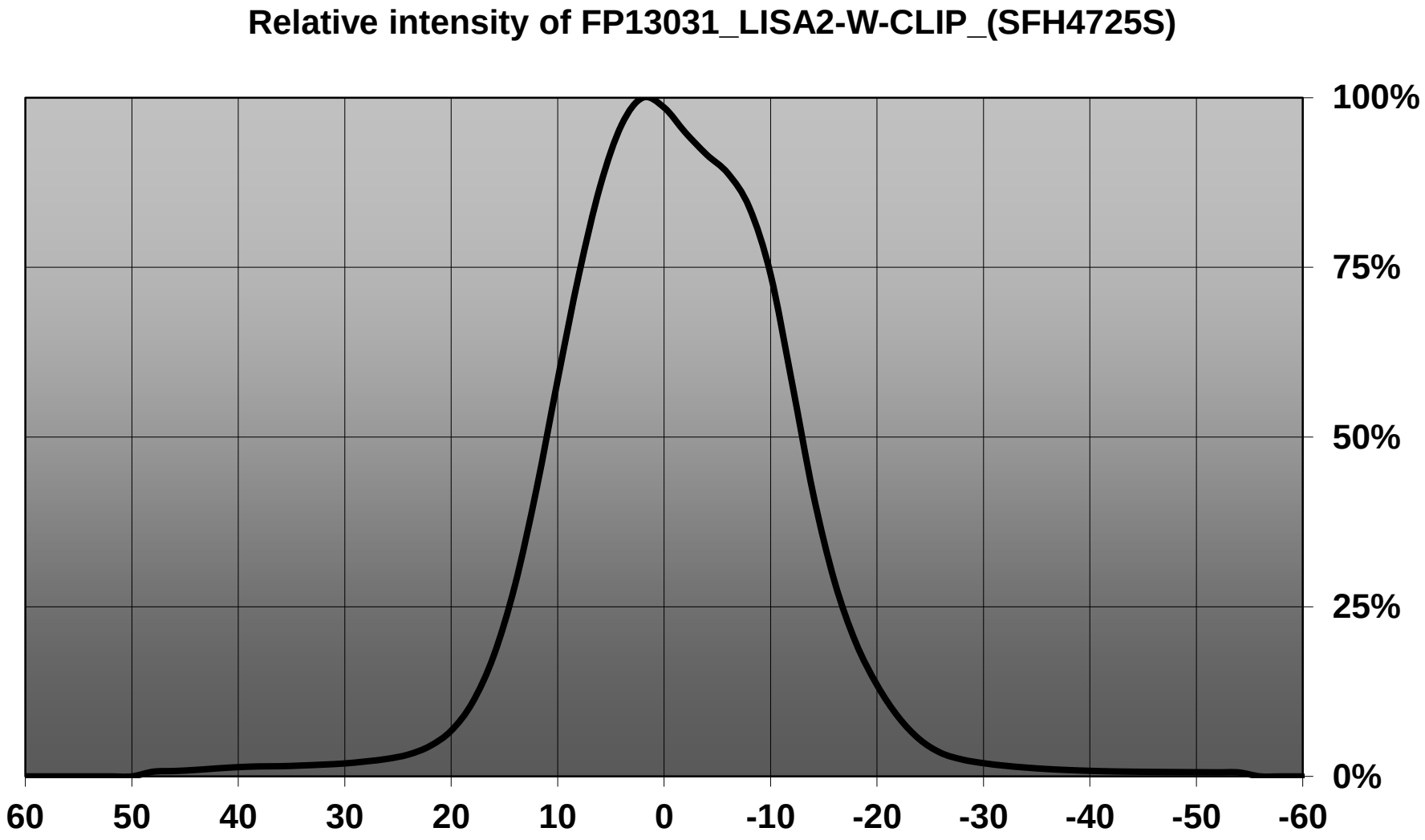
OPTICAL PROPERTIES

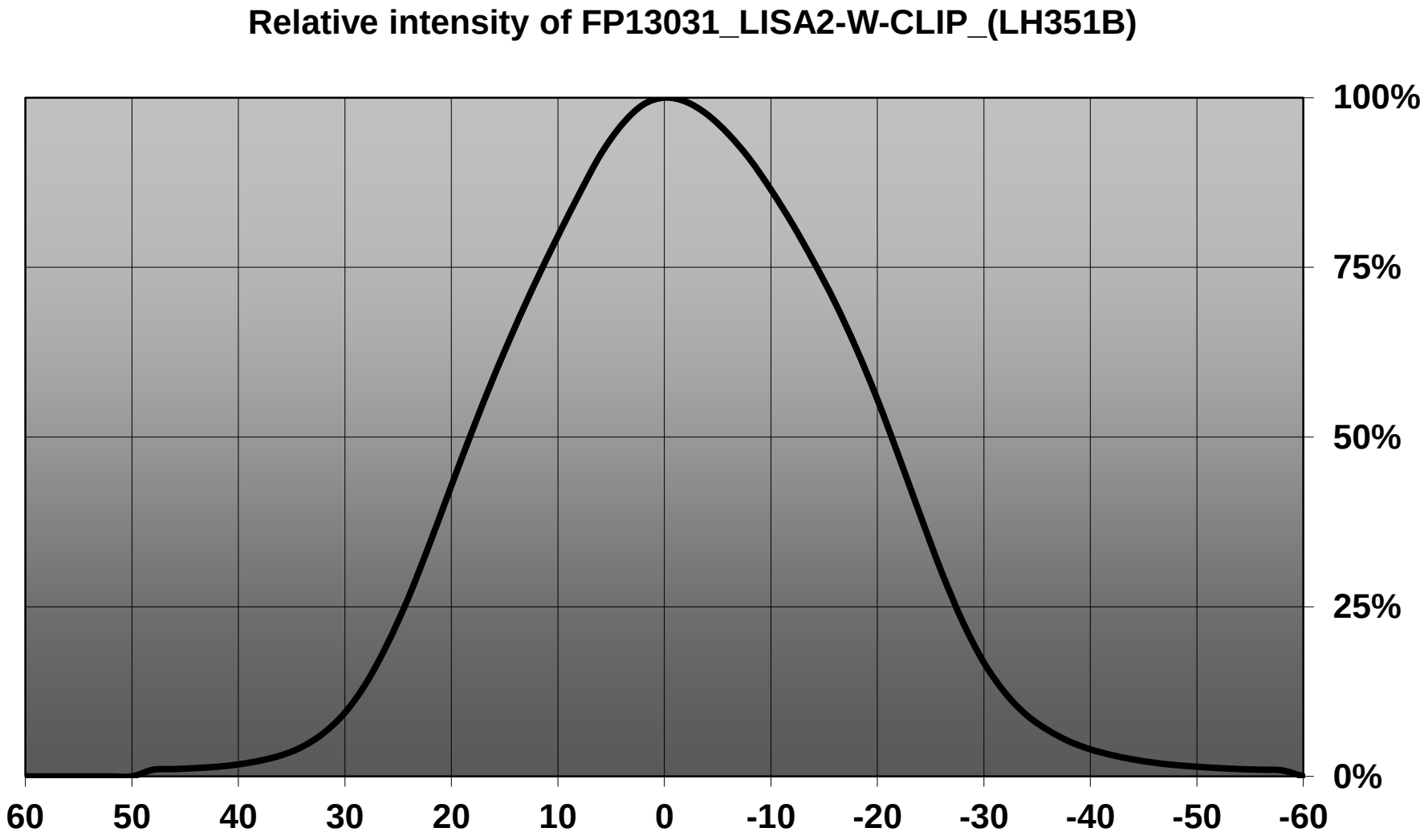
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
LUXEON H50-2	sim: 30	Wide	sim: 89 %	sim: 2.800	-
SFH 4715S (IR)	22 deg	Wide	-	sim: 0.000	-
SFH4725s (IR)	24 deg	Wide	-	sim: 0.000	-
XT-E	32 deg	Wide	84 %	2.200	-
NCSxx19B	34 deg	Wide	84 %	2.600	-
LUXEON TX	34 deg	Wide	88 %	2.500	-
XP-G2	36 deg	Wide	88 %	2.200	-
LUXEON T	36 deg	Wide	86 %	2.000	-
LH351Z	38 deg	Wide	88 %	2.100	-
H35C1 (LEMWA33)	40 deg	Wide	88 %	2.000	-
LH351B	40 deg	Wide	88 %	1.920	-

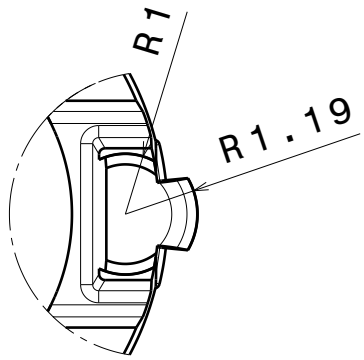
Ledil Oy
Salorankatu 10
24240 SALO, Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

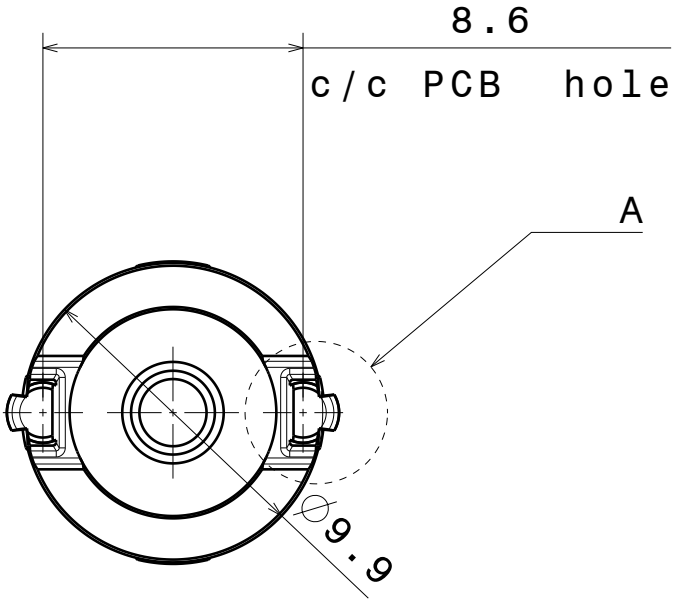

Relative intensity of FP13031&FP13025_LISA2-W-SFH_IR
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70


Relative intensity of FP13031_LISA2-W-CLIP_(SFH4725S)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

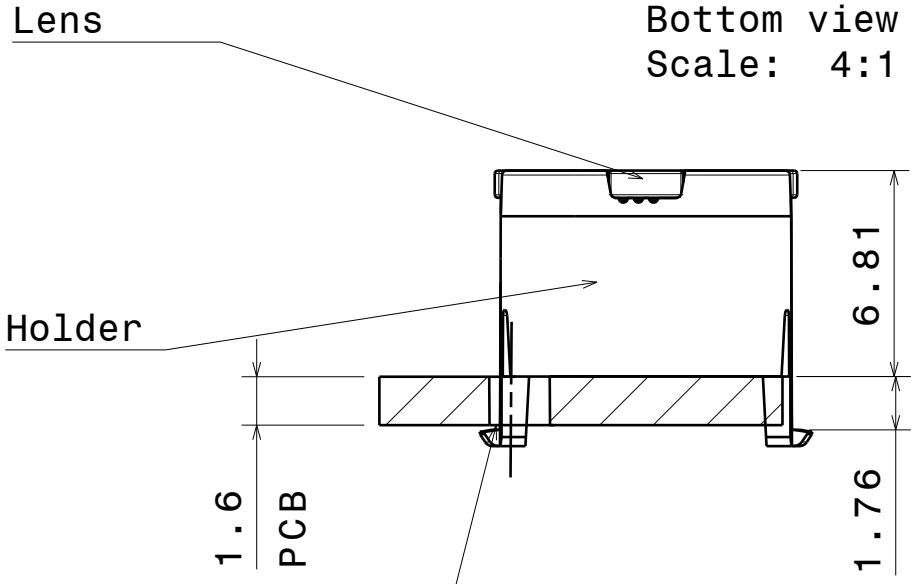

Relative intensity of FP13031_LISA2-W-CLIP_(LH351B)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60



Detail A
Scale: 8:1



Bottom view
Scale: 4:1



Front view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

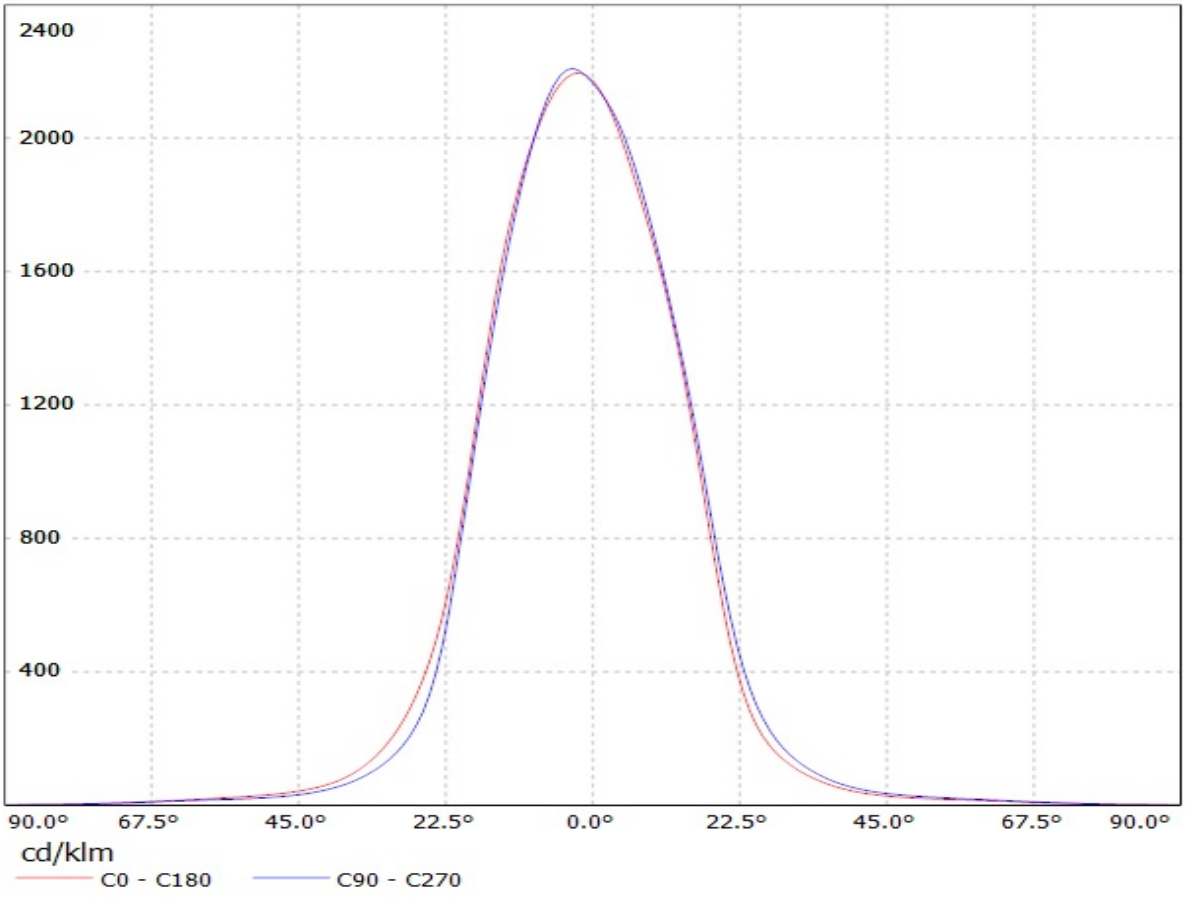
Note:
Take tolerances into account when specifying holes for PCB

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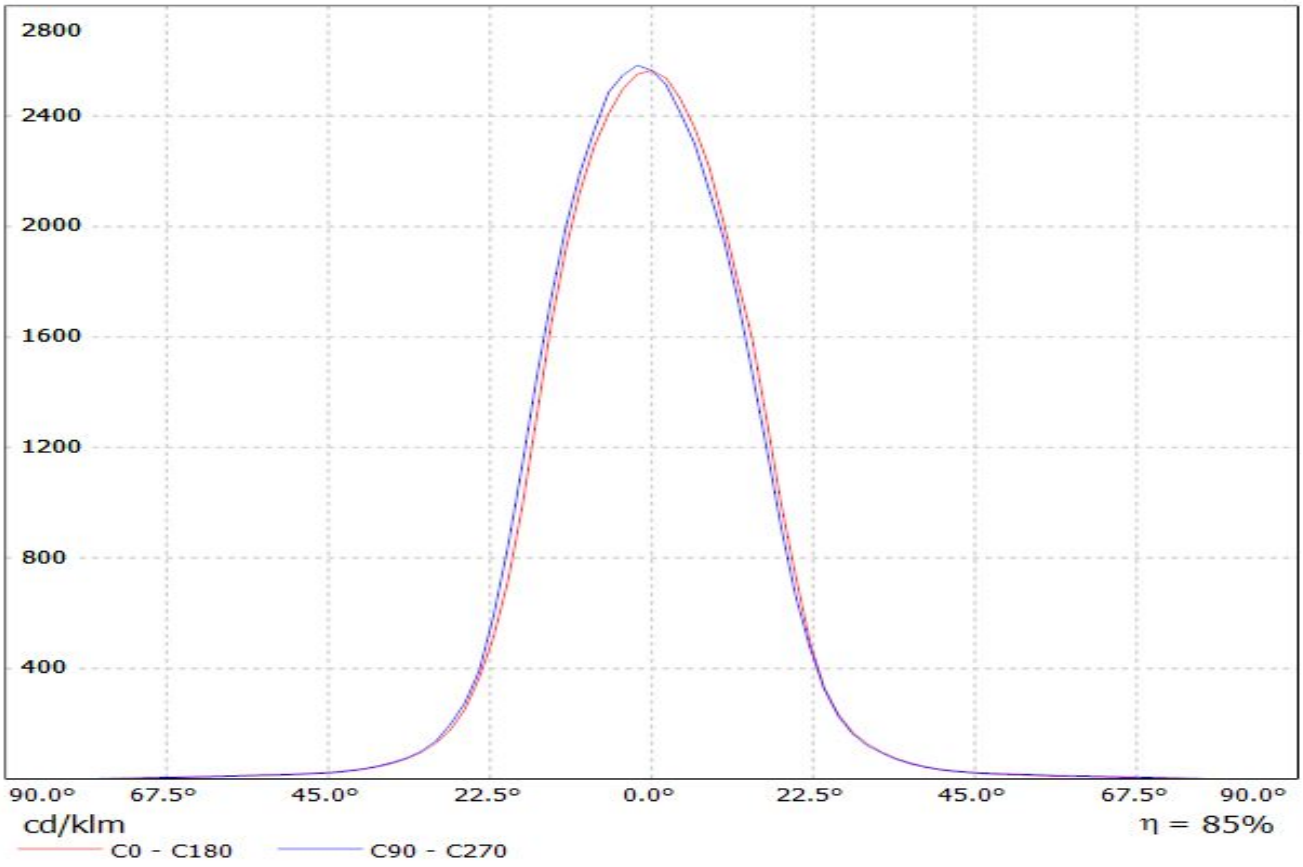
Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWN BY: pl	DATE: 20.06.2012	DRAWING TITLE: Datasheet Lisa2-clip16-XT series Assy			
CHECKED BY: sn	DATE: 20.7.2011	SIZE: A4	DRAWING NUMBER:		REV: 1
DESIGNED BY: pl	DATE: 20.06.2012	SCALE: 4:1	WEIGHT(g):		SHEET: 1/1

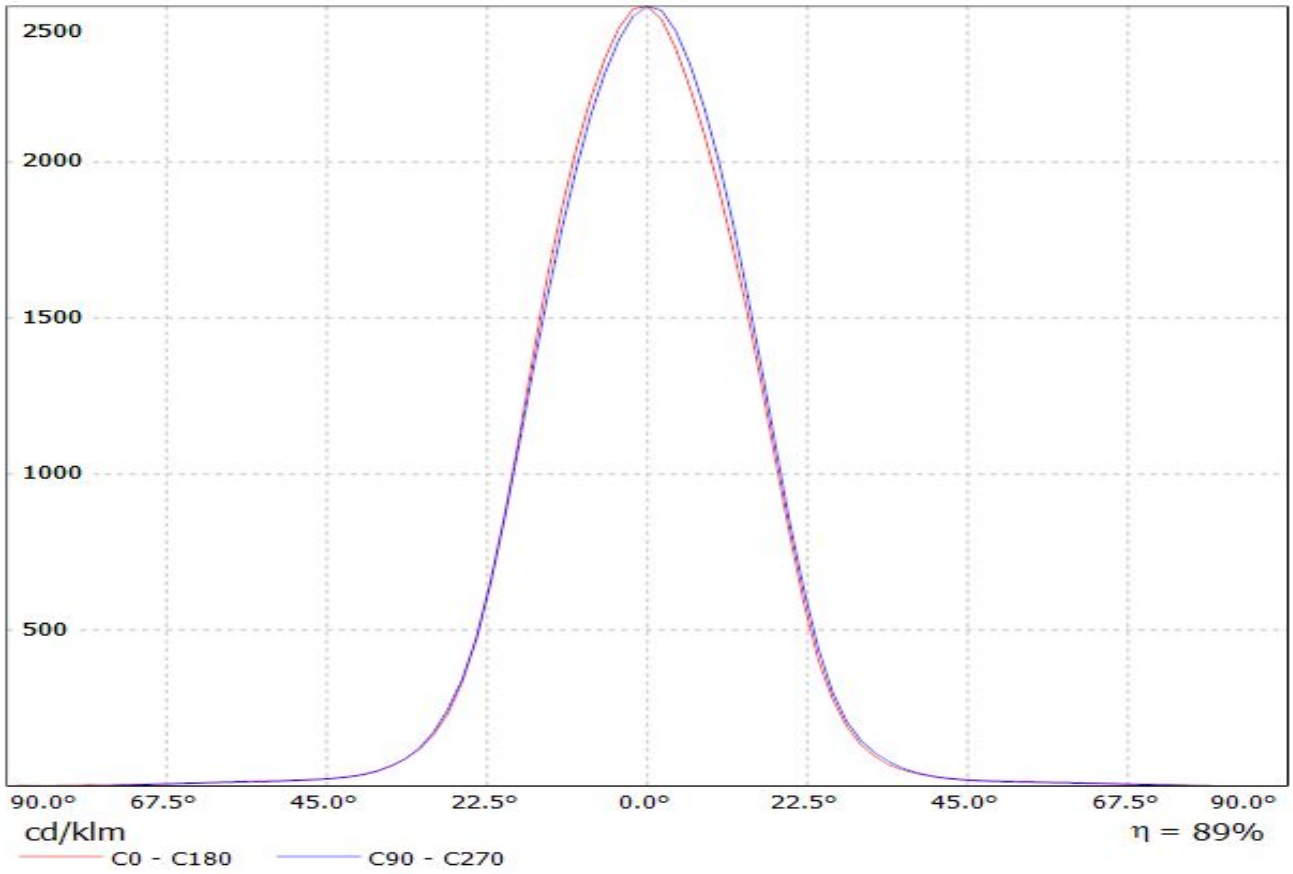
Luminaire: LEDIL OY FP13025_LISA2-W-PIN & FP13031_LISA2-W-CLIP-XTE (Cree XT-E 98lm @ 250mA) Efficiency=84%
Lamps: 1 x CREE XT-E (98.9lm)



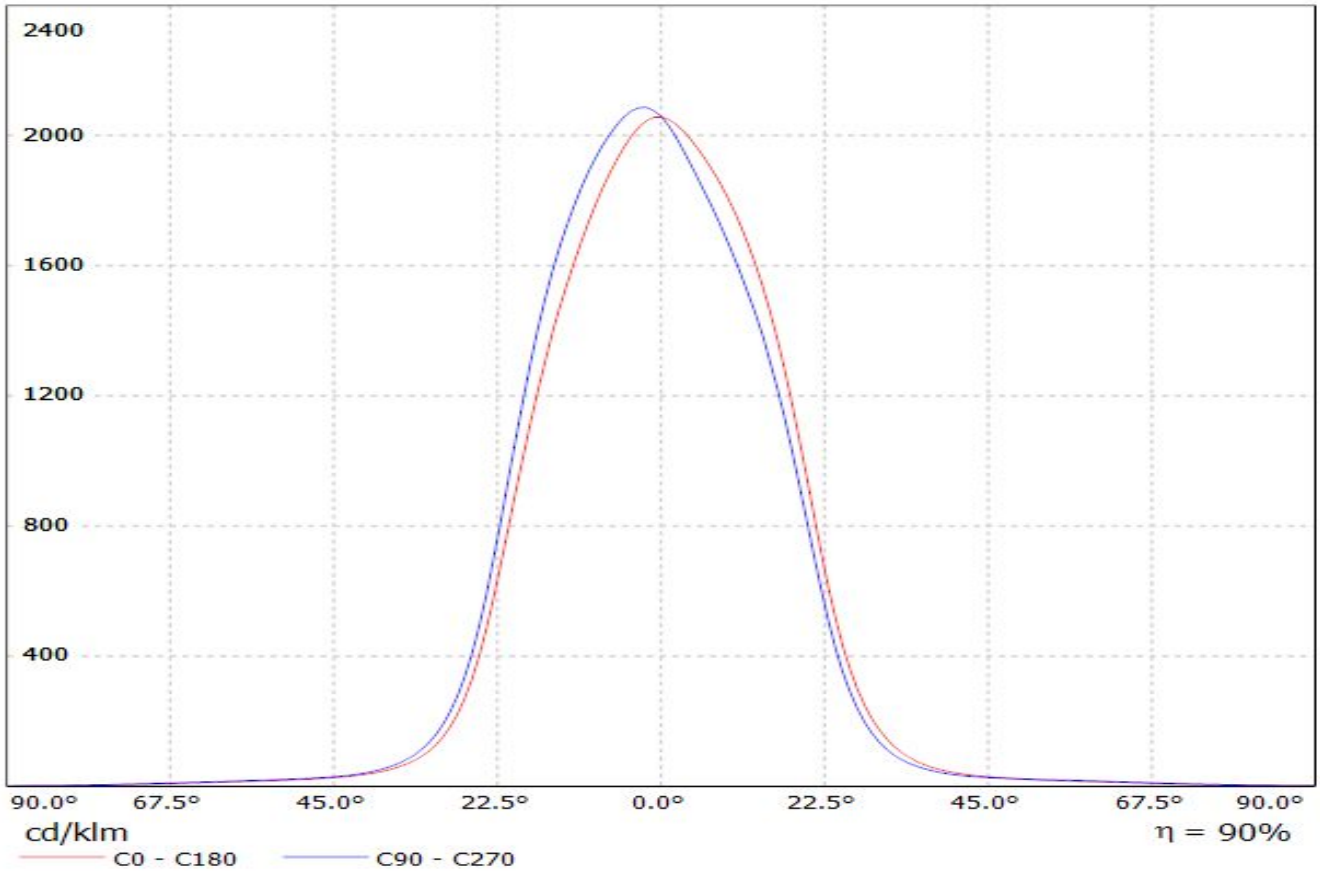
Luminaire: Ledil Oy FP13025&FP13031_LISA2-W Eff. 84%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



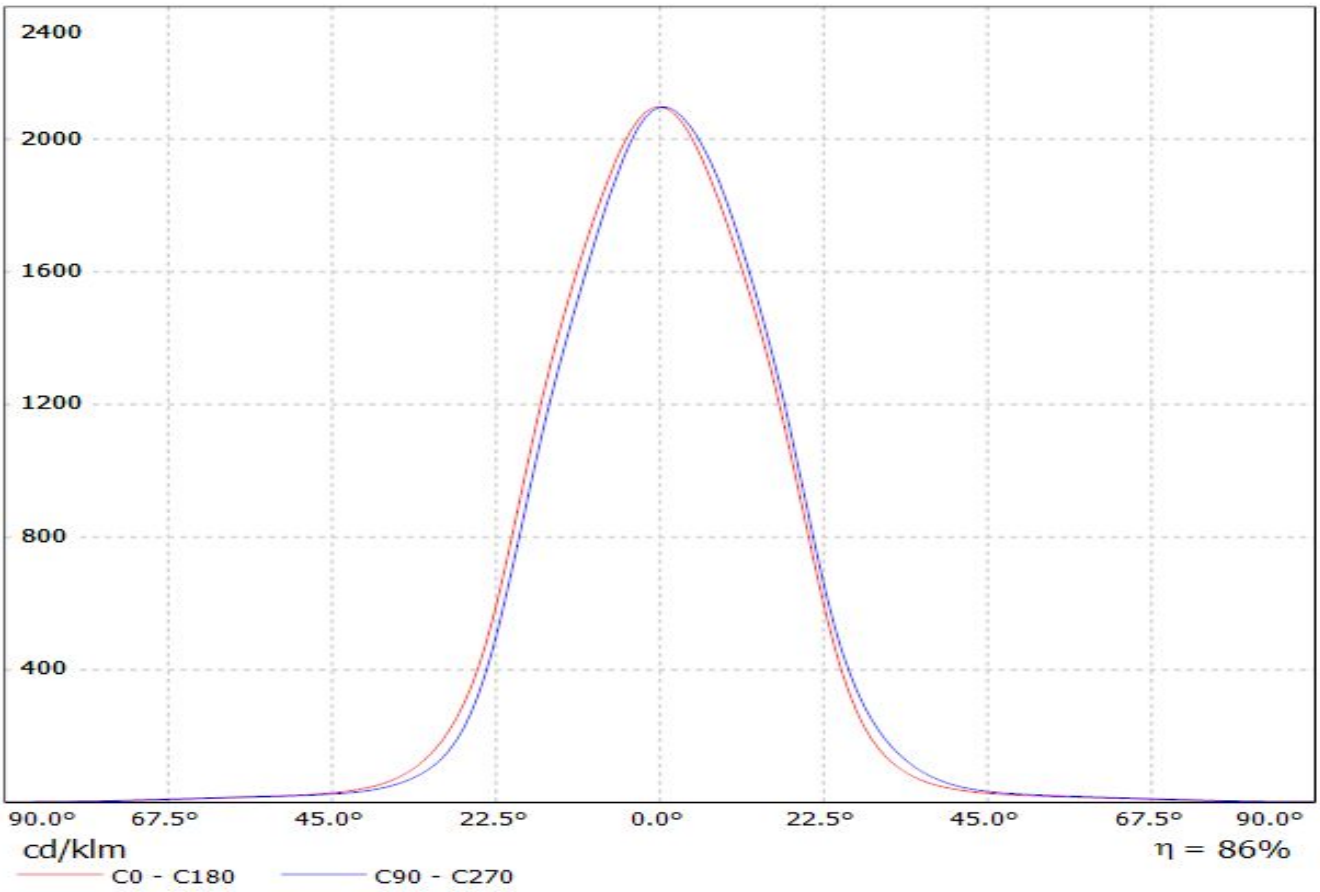
Luminaire: Ledil Oy FP13031_LISA2-W-CLIP_(Luxeon_TX) Efficiency=88%
Lamps: 1 x Luxeon TX (L1T2-3585) 82lm @ 250mA CCT= P=0.73W I=250mA



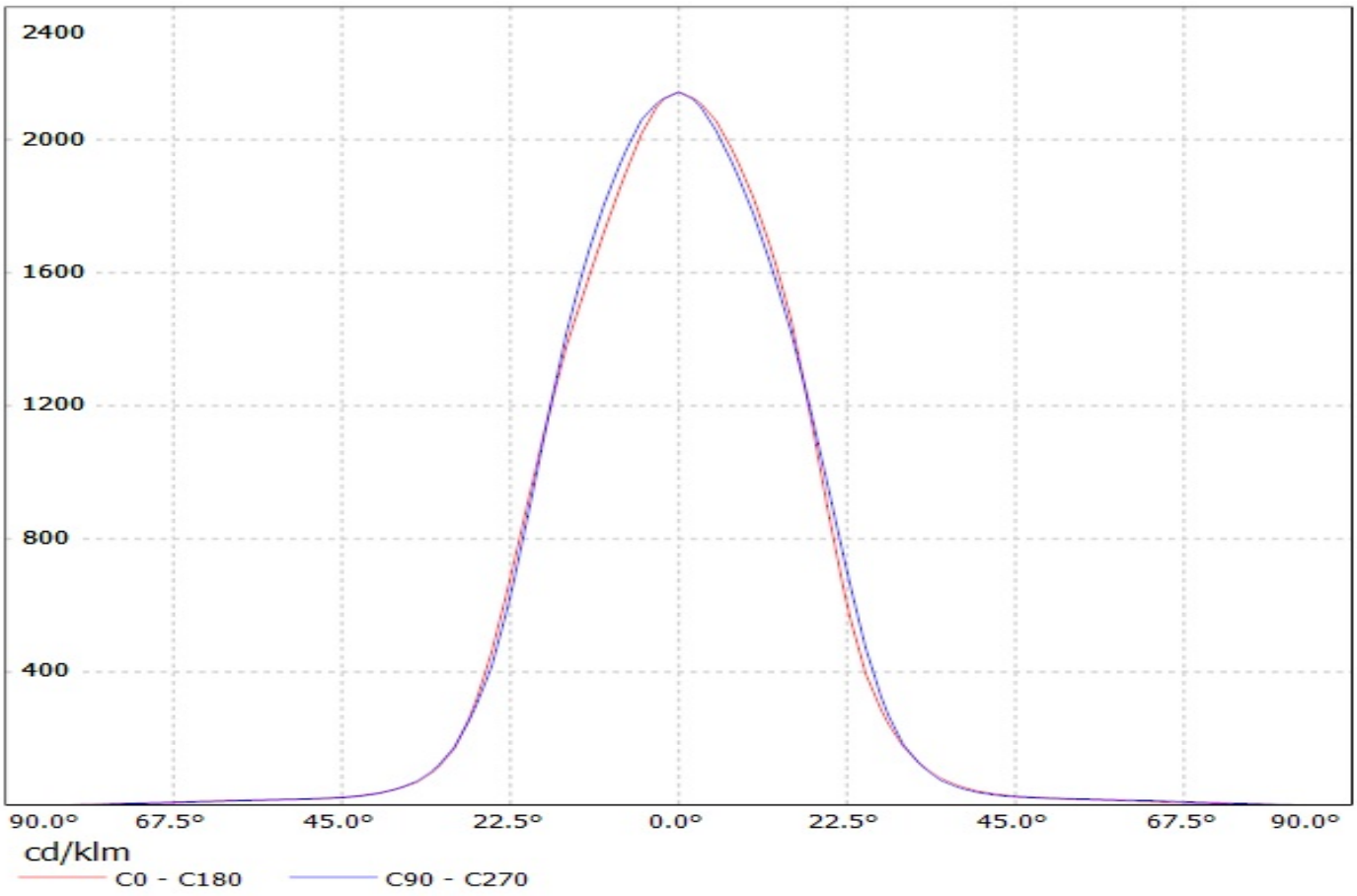
Luminaire: LEDiL Oy FP13025&FP13031_LISA2-W_(PIN&CLIP)_(XP-G2) Eff.88%
Lamps: 1 x Cree_(XP-G2) 104lm@250mA CCT=6600K P=0.76W I=250mA



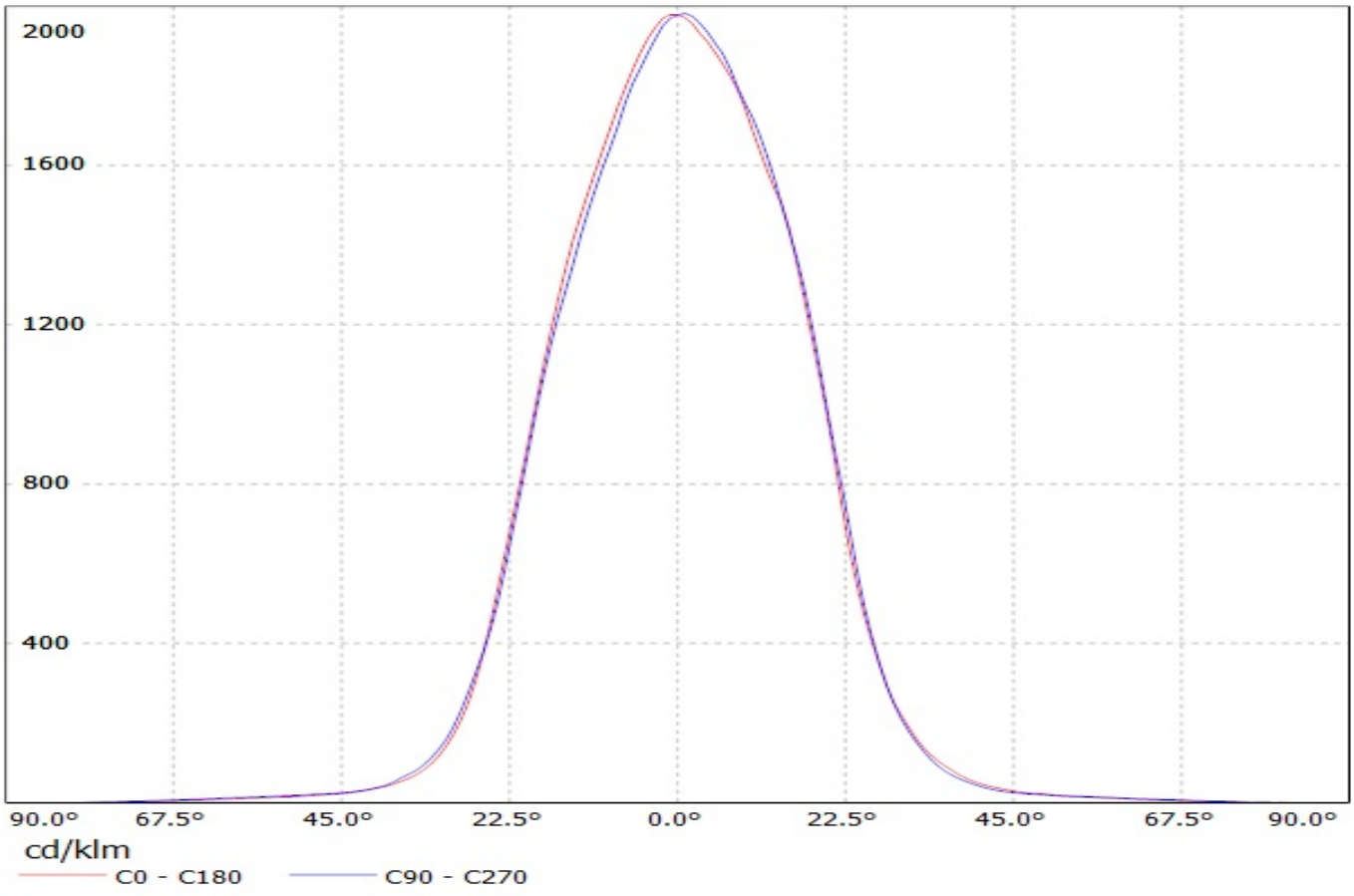
Luminaire: LEDiL Oy FP13031 & FP13025_LISA2-W_(CLIP/PIN) Eff.86.1%
Lamps: 1 x LUXEON_T (74lm@250mA)



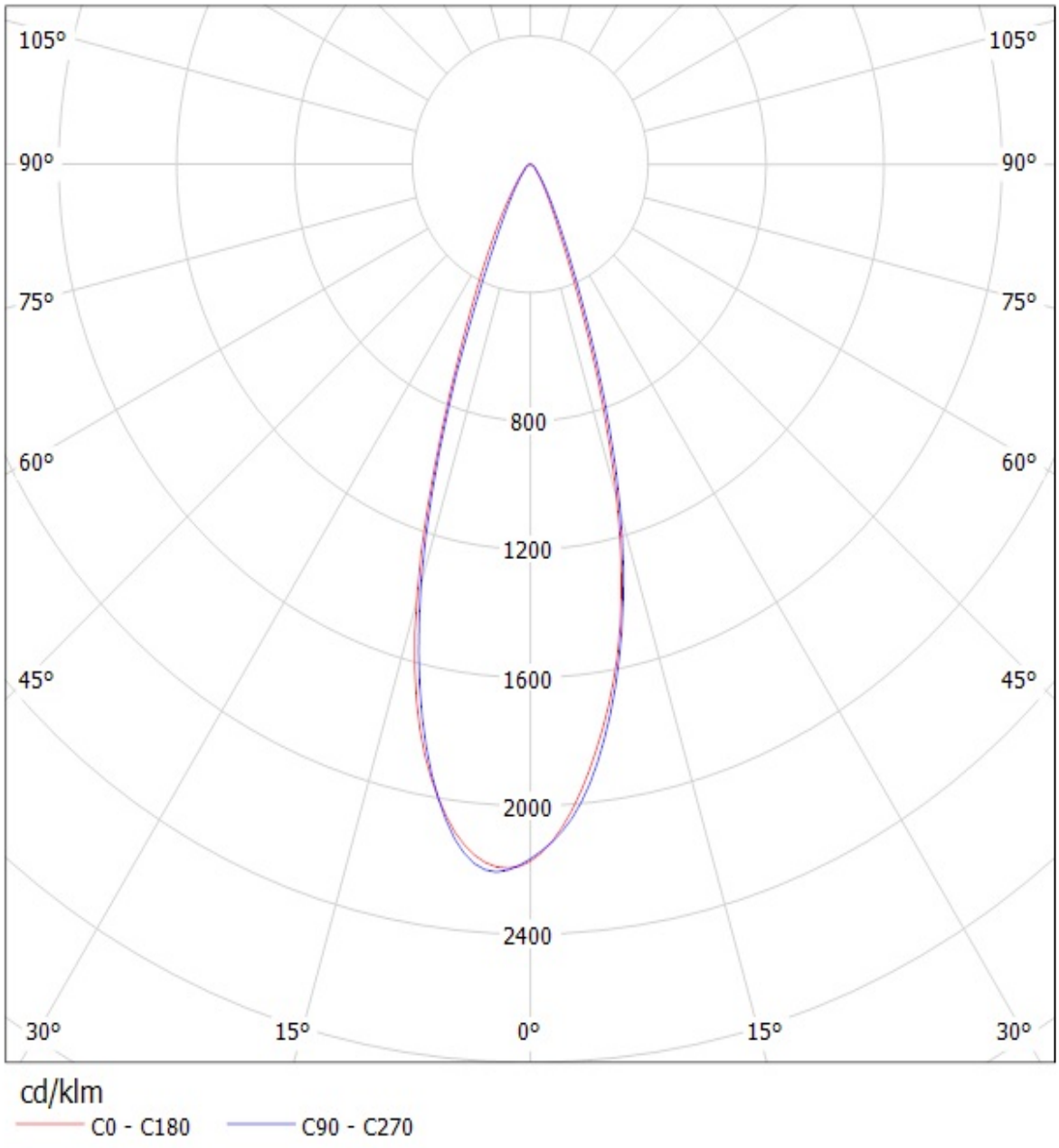
Luminaire: Ledil Oy FP13031_LISA2-W-CLIP_(LH351Z) Efficiency=88%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



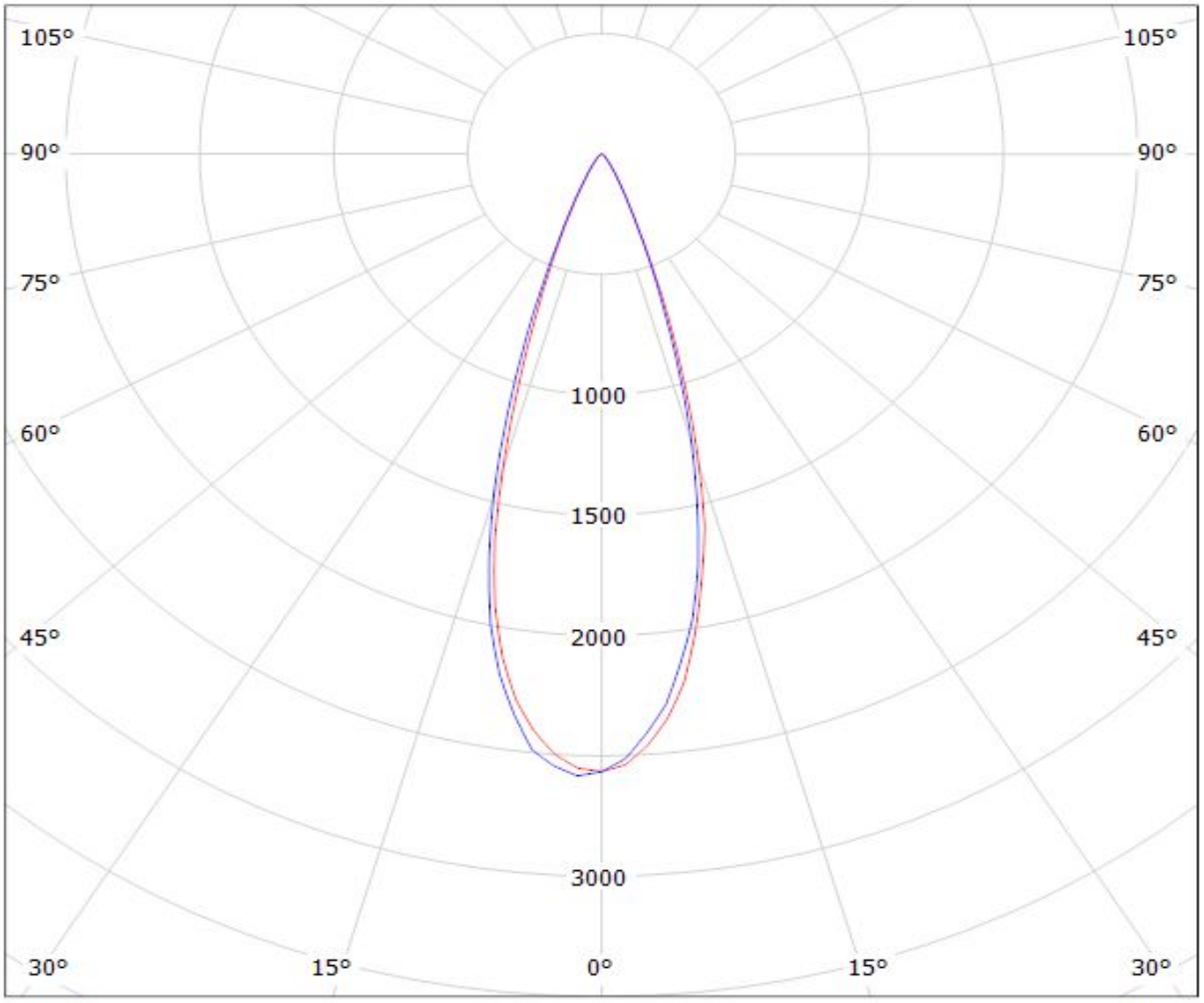
Luminaire: Ledil Oy FP13031_LISA2-W-CLIP_(3535_Ceramic_gen2) Efficiency=88%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA



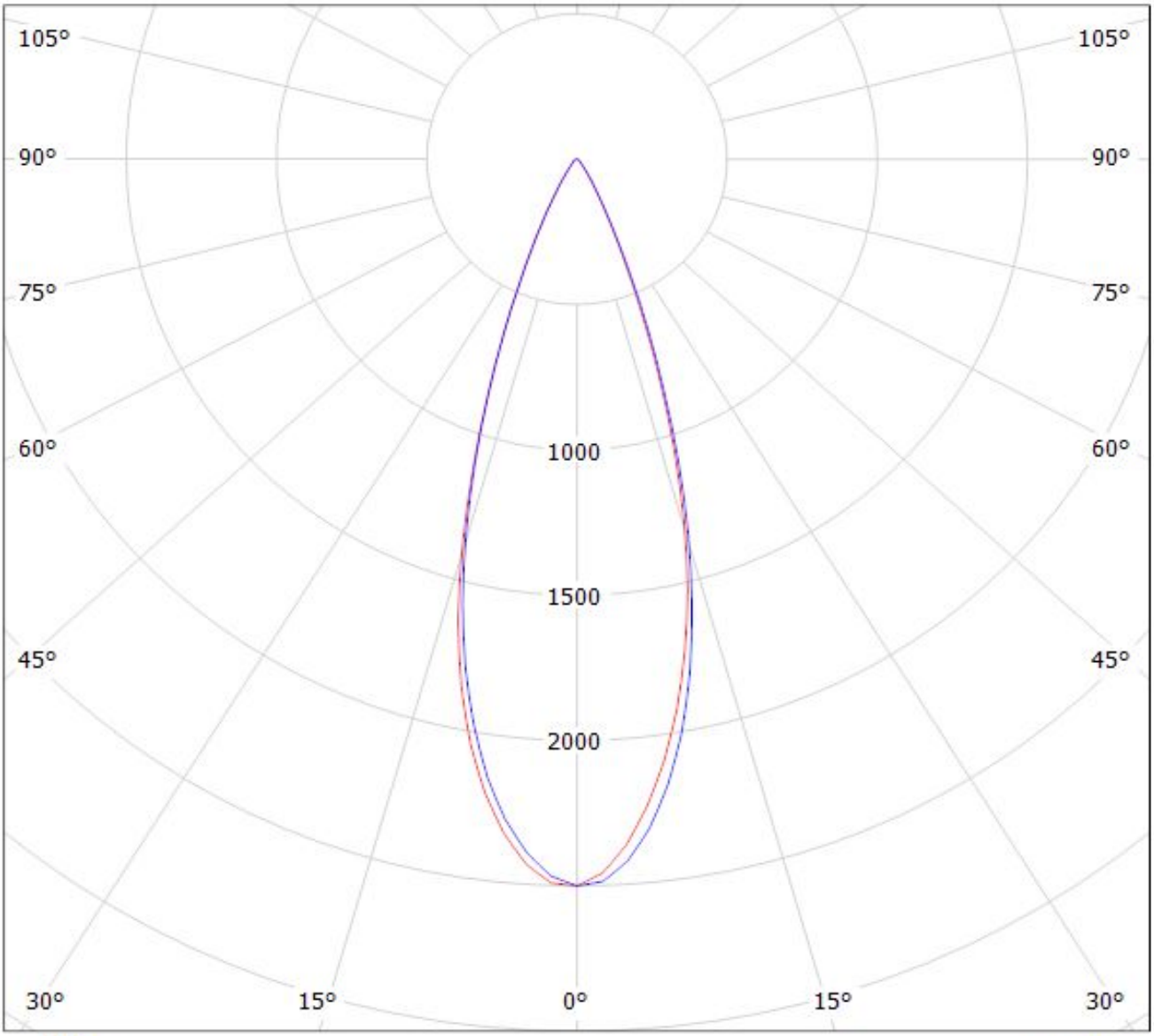
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Lamps: 1 x CREE XT-E (98.9lm)



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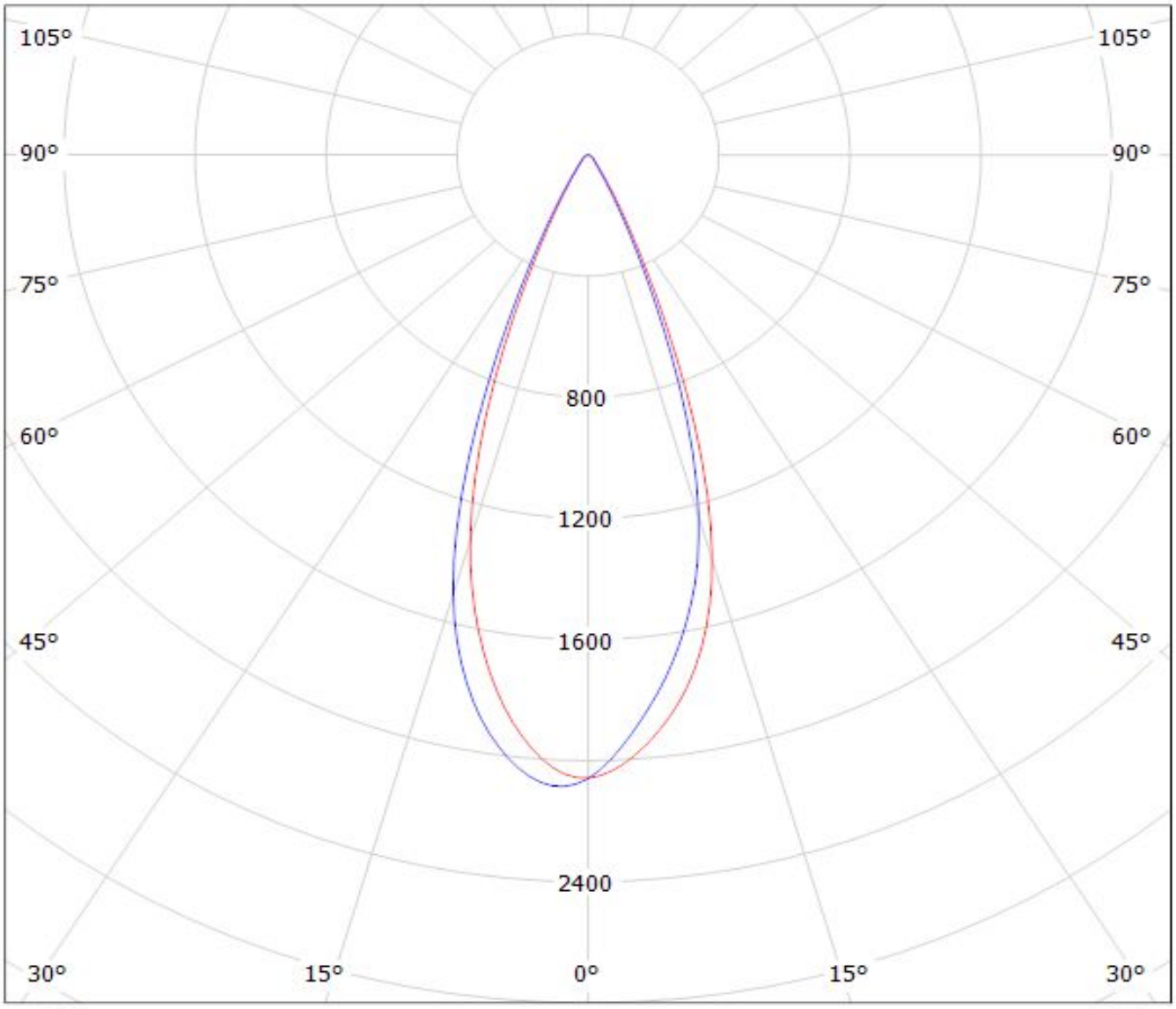


cd/klm

η = 89%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FP13025&FP13031_LISA2-W_(PIN&CLIP)_(XP-G2) Eff.88%
Lamps: 1 x Cree_(XP-G2) 104lm@250mA CCT=6600K P=0.76W I=250mA

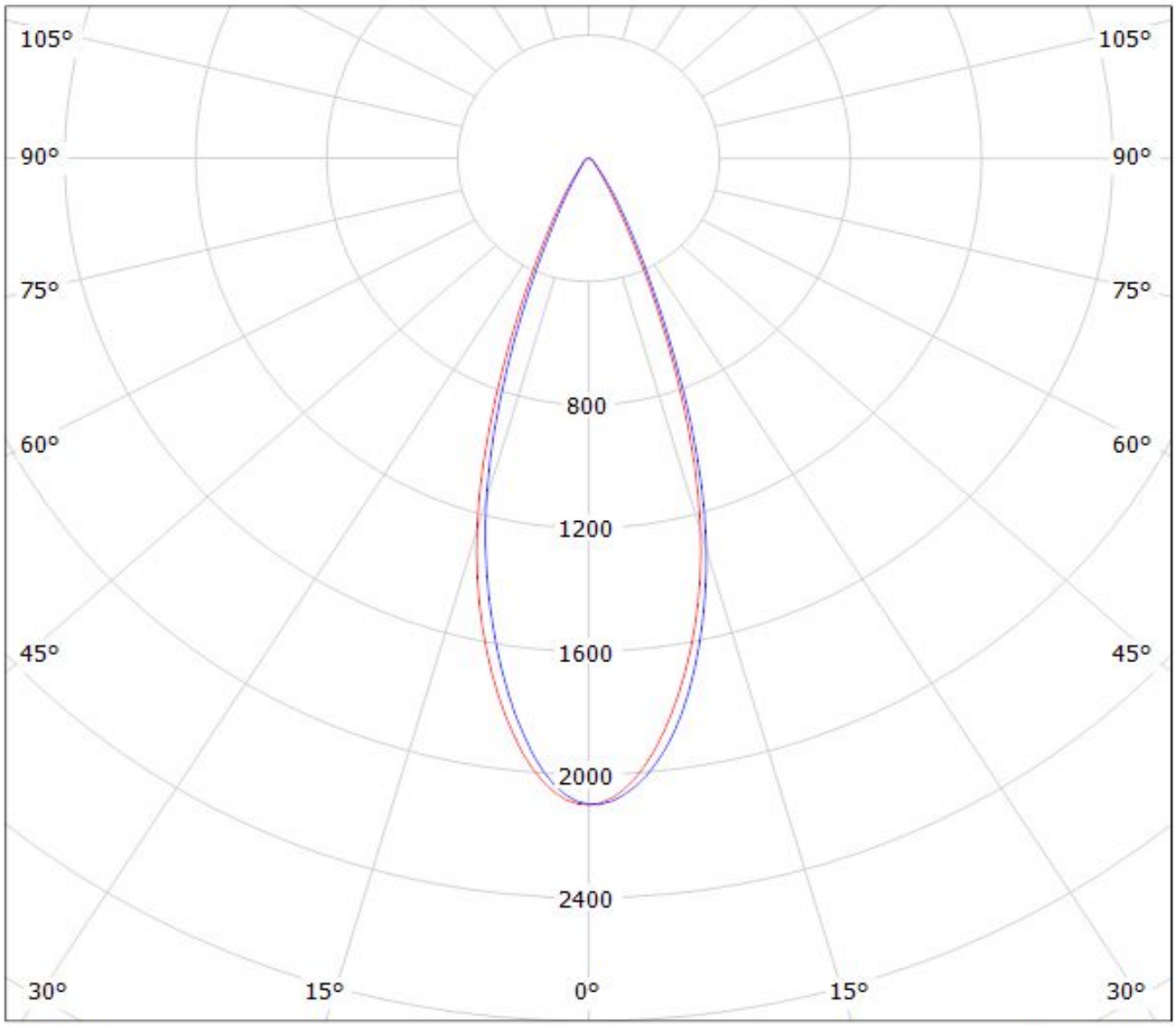


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FP13031 & FP13025_LISA2-W_(CLIP/PIN) Eff.86.1%
Lamps: 1 x LUXEON_T (74lm@250mA)

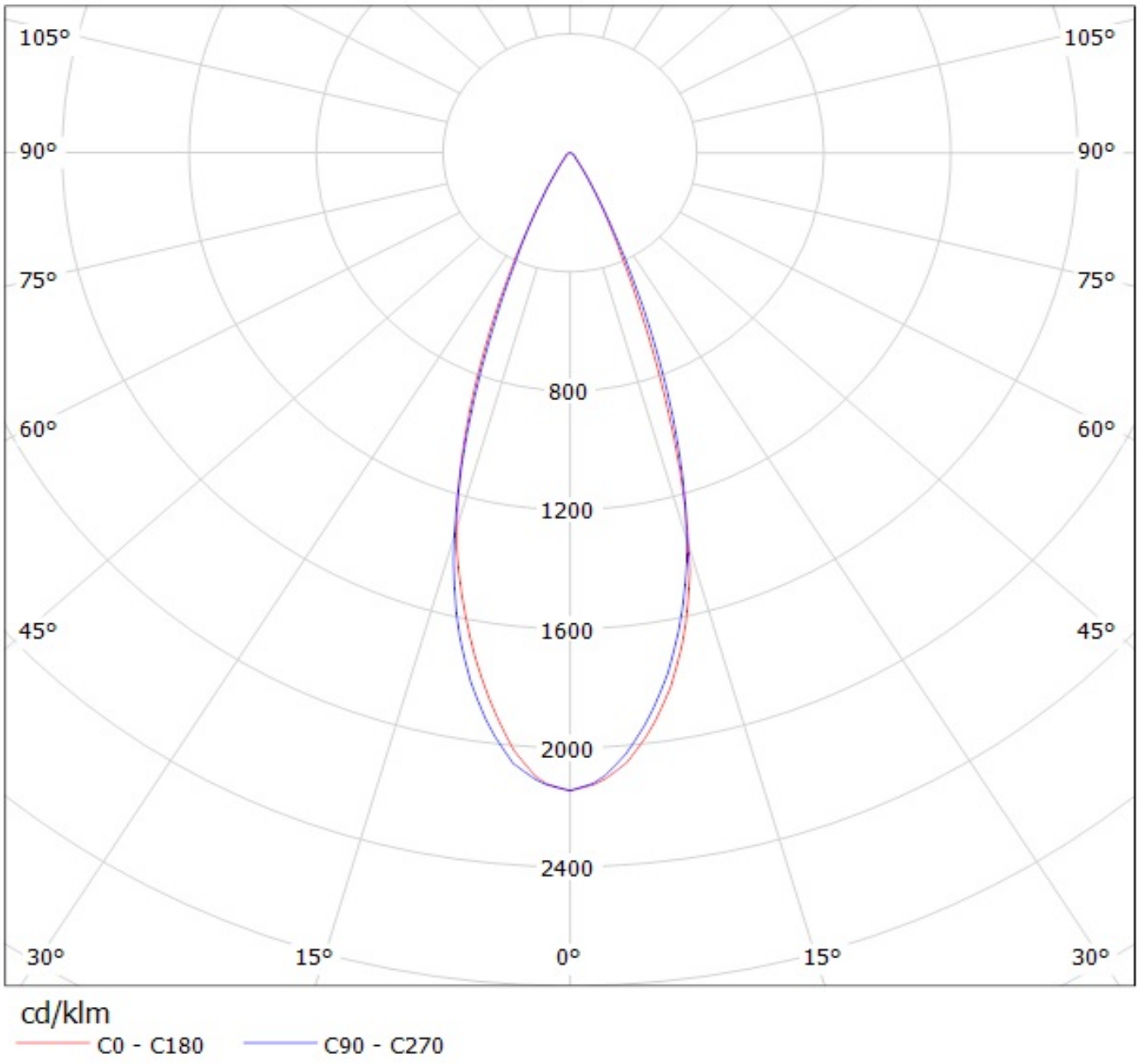


cd/klm

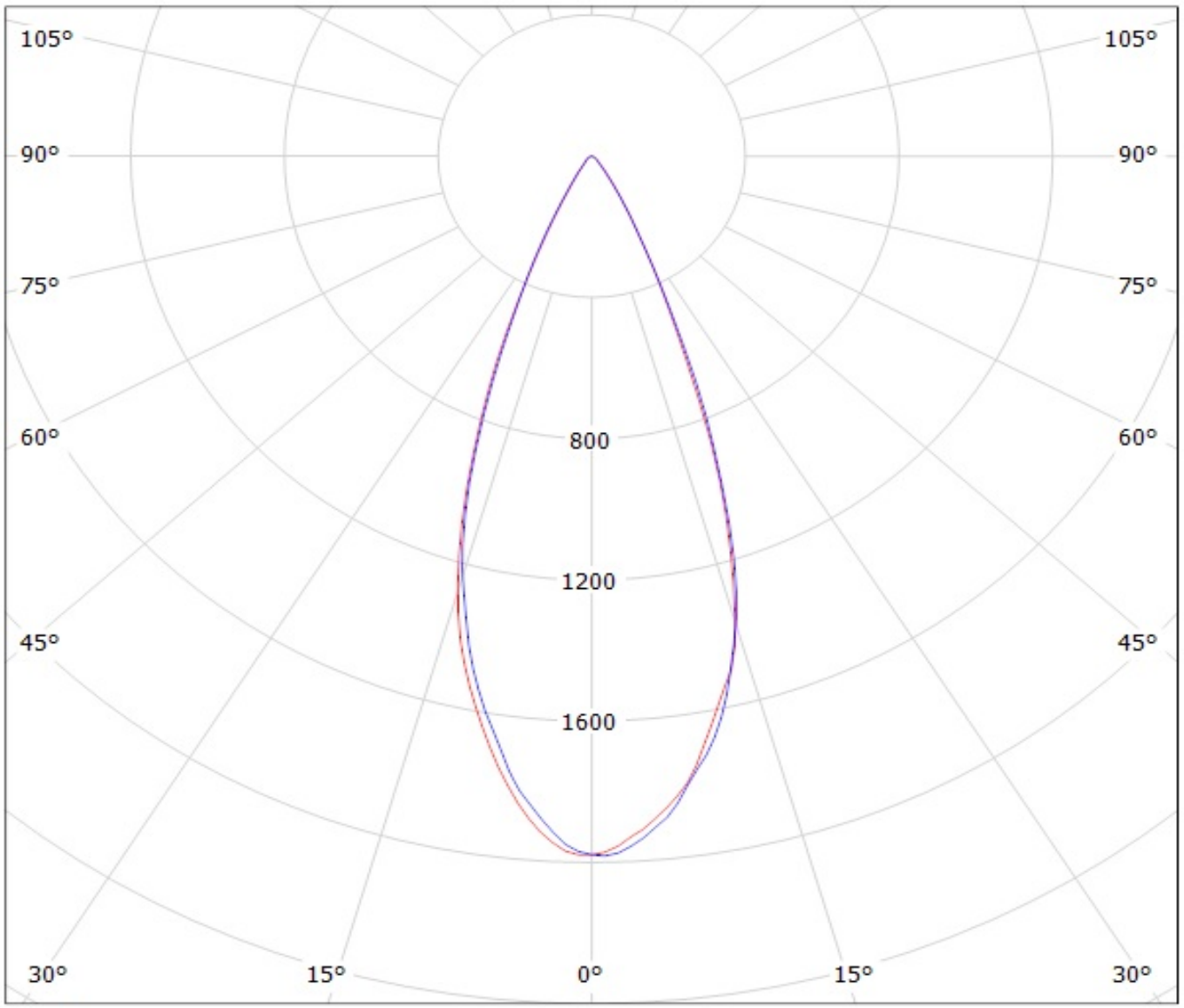
η = 86%

C0 - C180 C90 - C270

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Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W 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.