PRODUCT DATASHEET
Lisa series
last update 14/10/2016

DETAILS



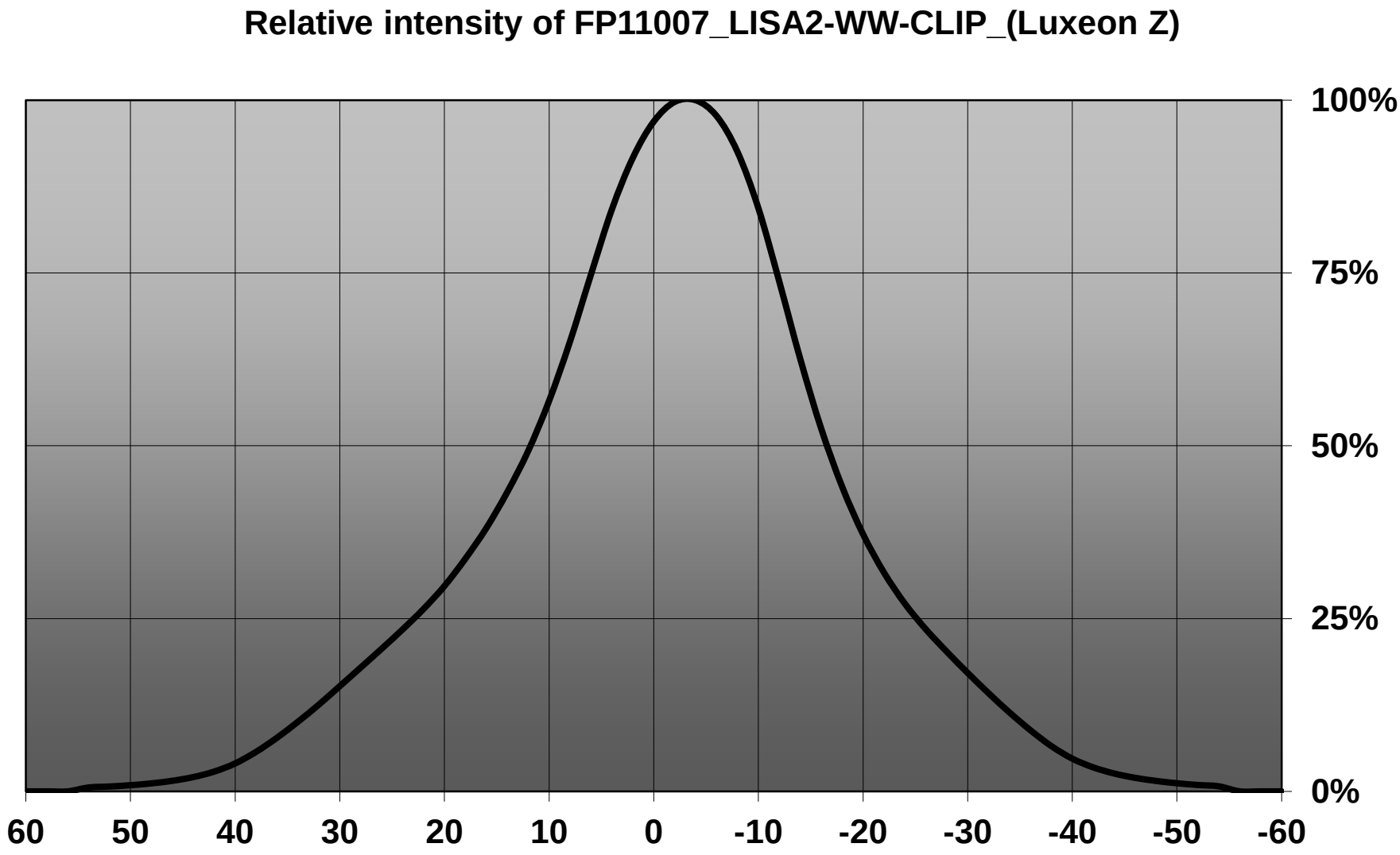
Product Number	FP11077_LISA2-WW-CLIP
Family	Lisa
Type	Assembly
Color	black
Diameter	9,9 mm
Height	6,8 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	glue, clips
Status	production ready
ROHS Comliant	Yes
Date Updated	14/10/2016

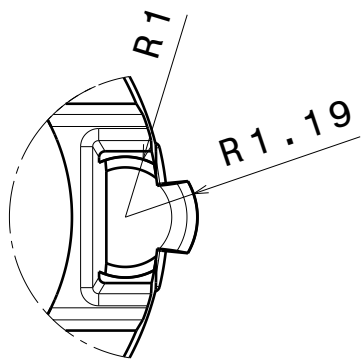
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-E	42 deg	Very Wide	91 %	1.300	-
XP-G	54 deg	Very Wide	90 %	0.900	-
XQ-E	sim: 72	Very Wide	sim: 90 %	sim: 0.700	-
XQ-E HI	sim: 27	Very Wide	sim: 89 %	sim: 2.300	-
LUXEON Z	28 deg	Very Wide	87 %	2.260	-
LUXEON Z ES	35 deg	Very Wide	88 %	1.800	-

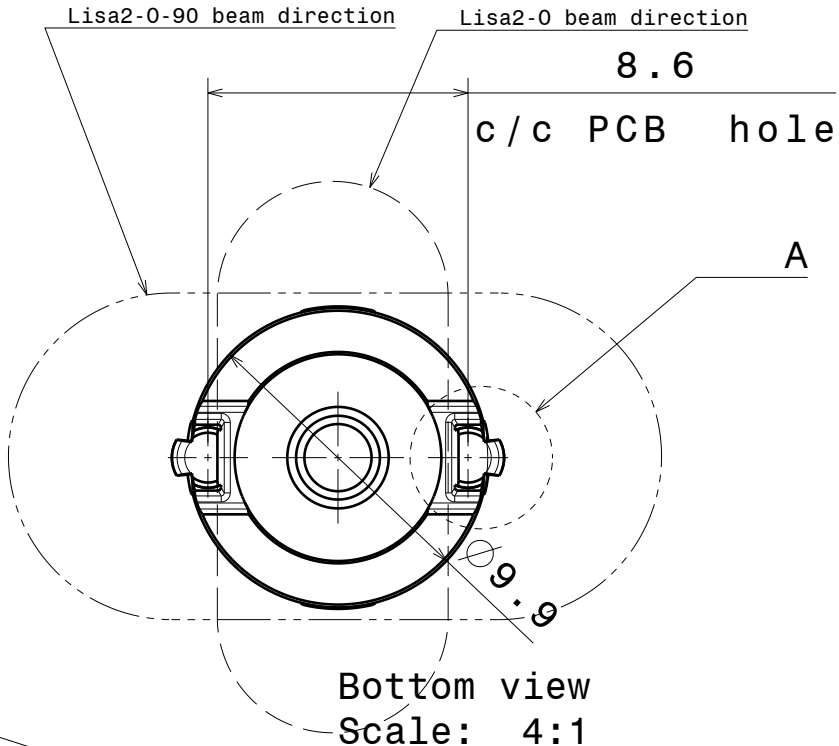
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

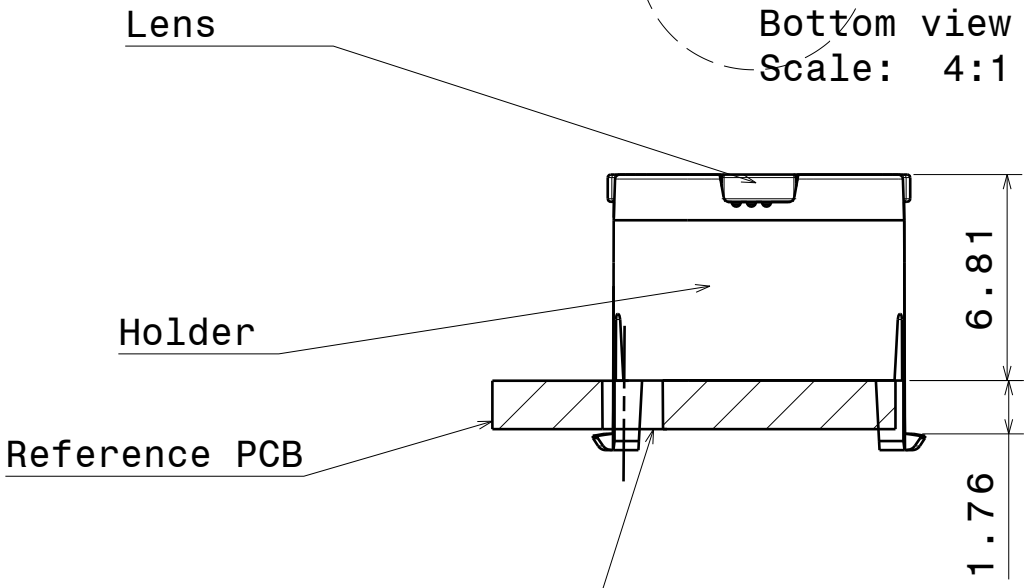

Relative intensity of FP11007_LISA2-WW-CLIP_(Luxeon Z)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60



Detail A
Scale: 8:1



Bottom view
Scale: 4:1



Front view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

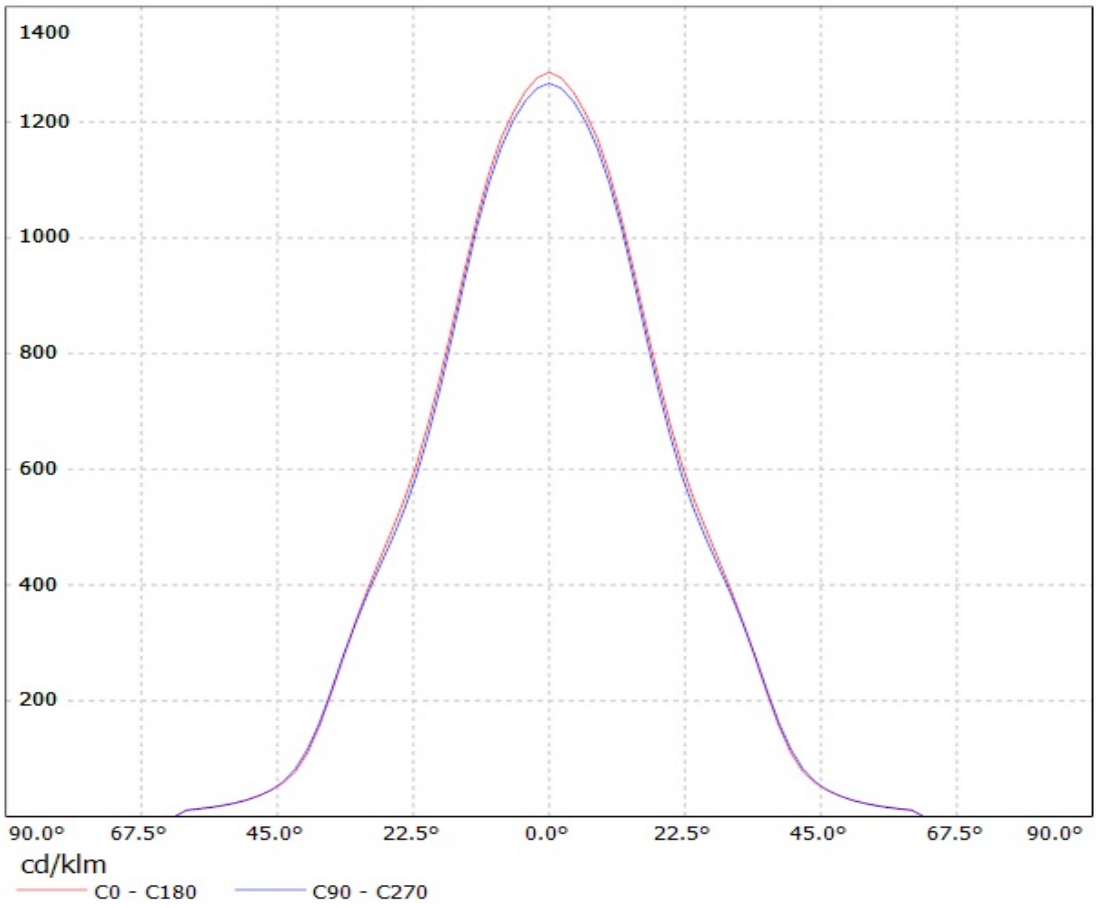
Note:
Take tolerances into account when specifying positioning holes for PCB

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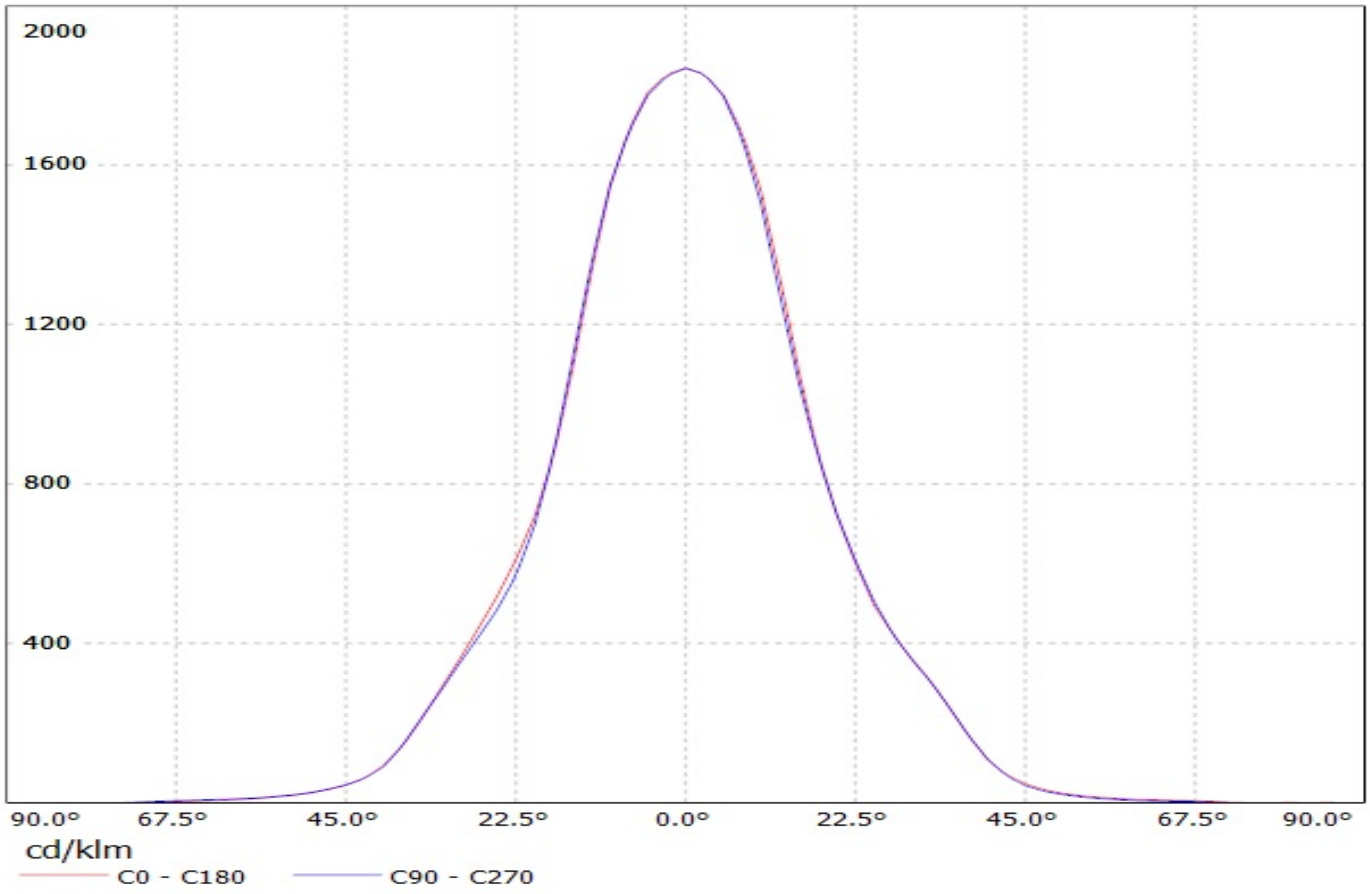
Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWN BY: ah	DATE: 20.7.2011	DRAWING TITLE: Datasheet Lisa2-clip16-XP series Assy		
CHECKED BY: sn	DATE: 20.7.2011	SIZE: A4	DRAWING NUMBER	REV: 2
DESIGNED BY: hh	DATE: 19.10.2009	SCALE: 4:1	WEIGHT(g)	SHEET: 1/1

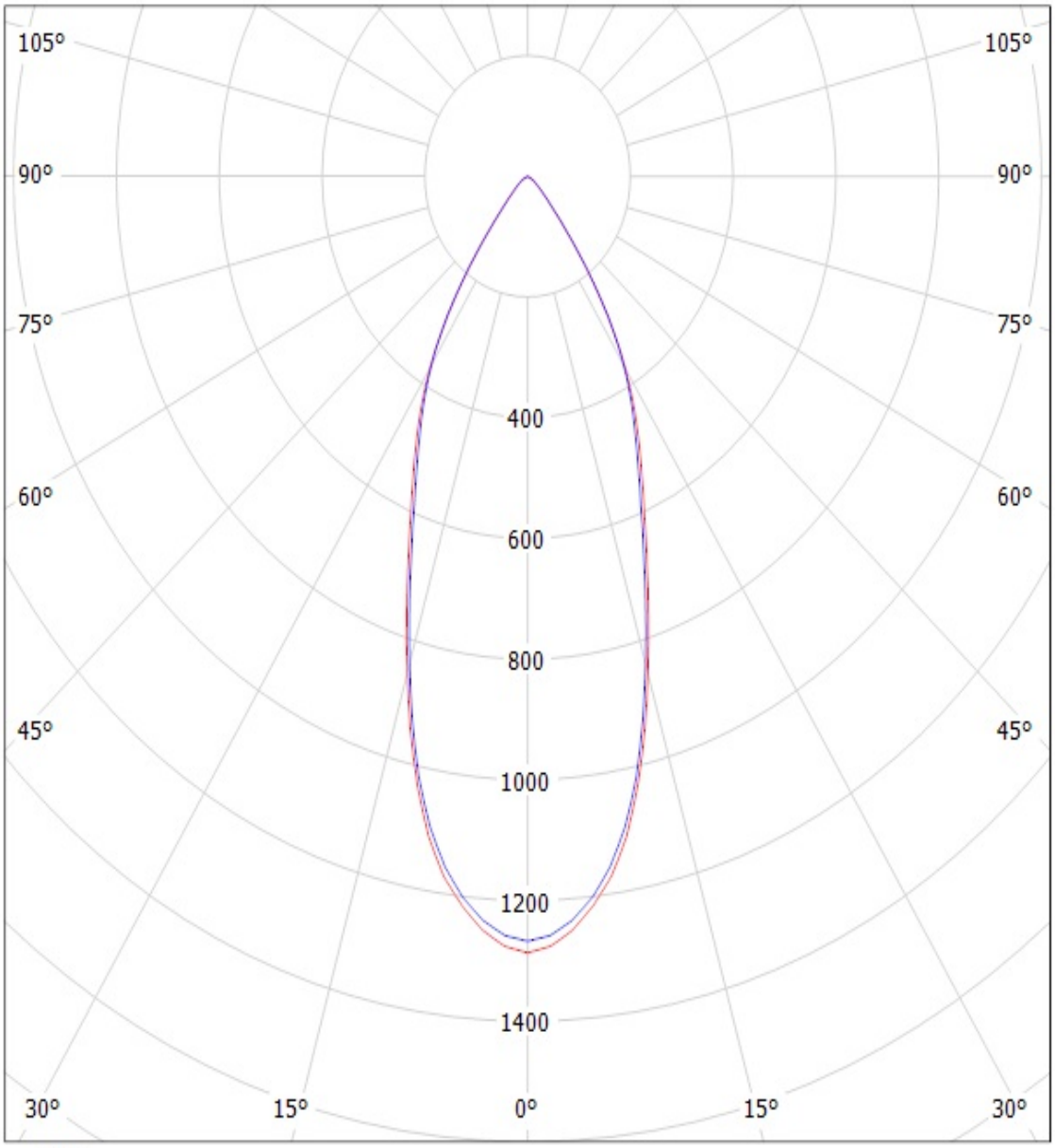
Luminaire: Ledil Oy FA10997_Lisa2-WW-Pin/FP11077_LISA2-WW-CLIP-XP FA10997_Lisa2-WW-Pin/FP11077_LISA2-WW-CLIP-XP
Lamps: 1 x cree xp-e white



Luminaire: LEDil Oy FP11077_LISA2-WW-CLIP_(Luxeon_Z_ES) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon Z ES (LXZ2-3090) 50.4lm @ 250mA CCT=3200K P=0.7 I=250mA



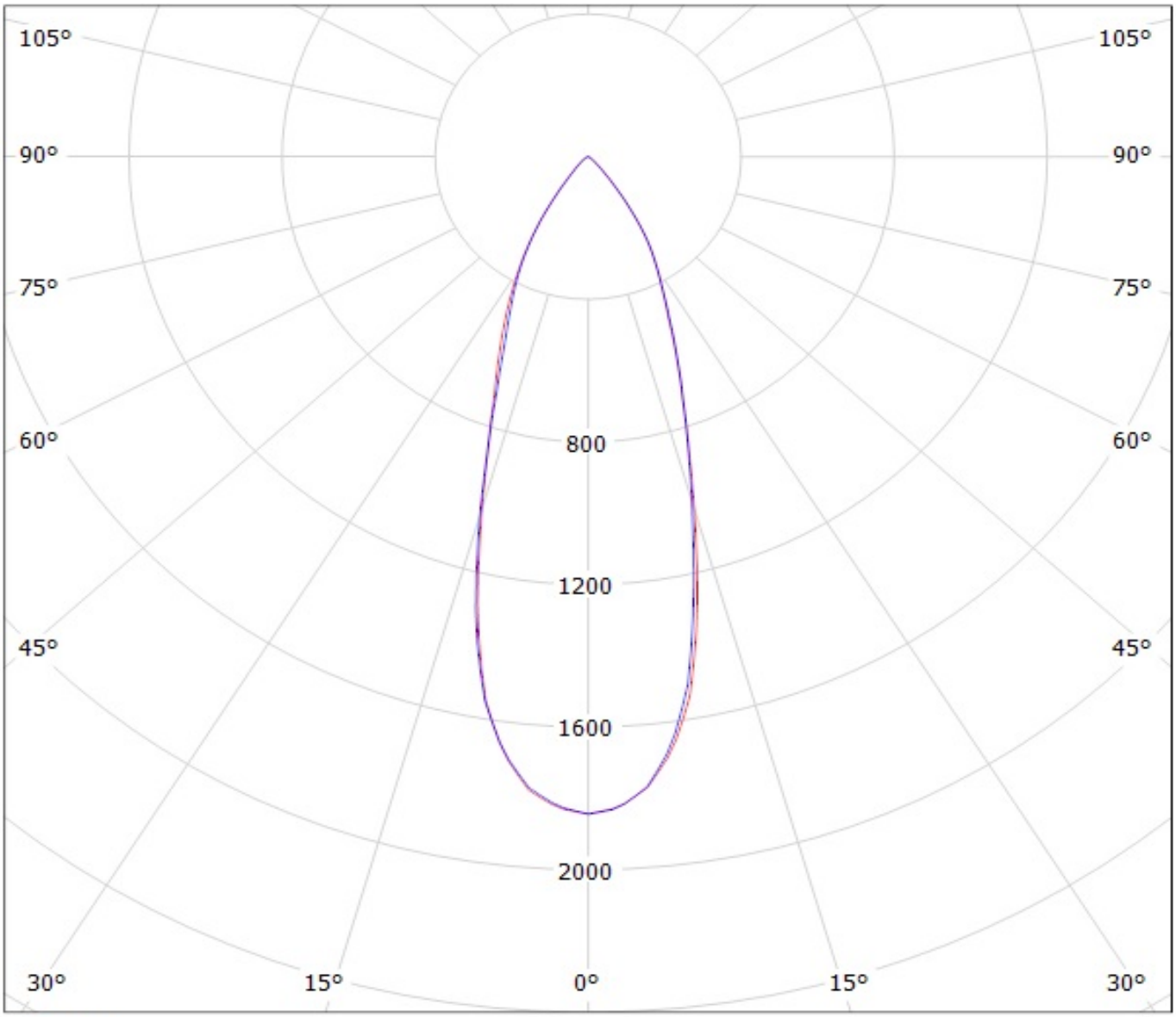
Luminaire: Ledil Oy FA10997_Lisa2-WW-Pin/FP11077_LISA2-WW-CLIP-XP FA10997_Lisa2-WW-Pin/FP11077_LISA2-WW-CLIP-XP
Lamps: 1 x cree xp-e white



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDil Oy FP11077_LISA2-WW-CLIP_(Luxeon_Z_ES) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon Z ES (LXZ2-3090) 50.4lm @ 250mA CCT=3200K P=0.7 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.