PRODUCT DATASHEET
Flare series
last update 25/8/2014

DETAILS

Product Number	CA13057_FLARE-MINI-AD
Family	Flare
Type	Assembly
Color	clear
Diameter	16 mm
Height	9,1 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape
Status	ready
ROHS Comliant	Yes
Date Updated	25/03/2013

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-E2	90+16 deg	Oval	94 %	1.400	-
Oslon Square EC	92+21 deg	Oval	94 %	1.100	-
LUXEON A	92+20 deg	Oval	94 %	1.100	-
XP-G2	95+21 deg	Oval	94 %	1.100	-
Z5M1/Z5M2	99+22 deg	Oval	94 %	1.100	-
LH351Z	99+24 deg	Oval	94 %	1.100	-
XB-D	100+16 deg	Oval	93 %	1.200	-
NVSxx19A	100+20 deg	Oval	94 %	1.100	-
XP-G	100+20 deg	Oval	94 %	1.100	-
H35C1 (LEMWA33)	100+20 deg	Oval	93 %	1.100	-
XT-E	104+19 deg	Oval	94 %	1.100	-
XP-L	111+28 deg	Oval	94 %	0.820	-

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24240 SALO, Finland

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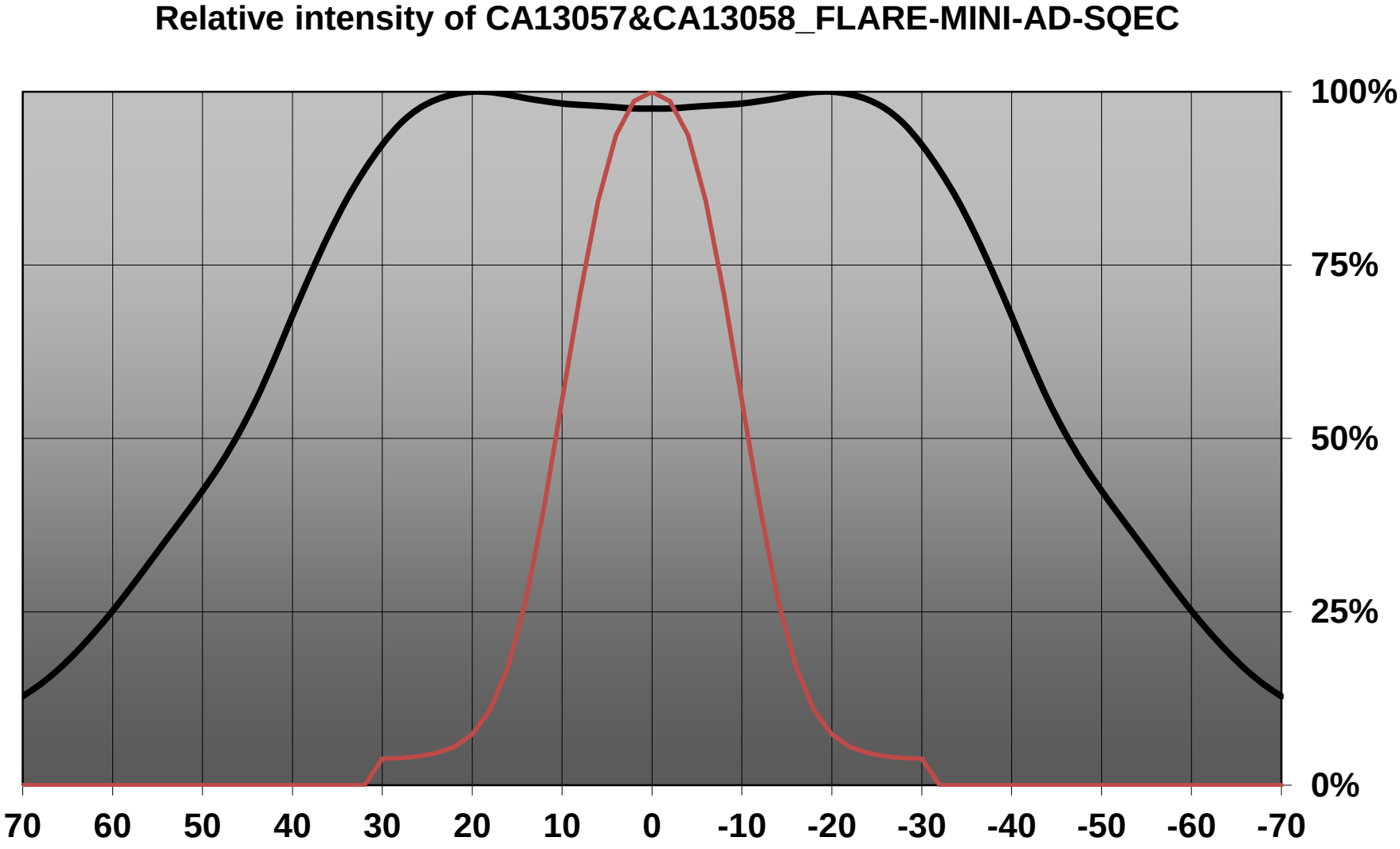
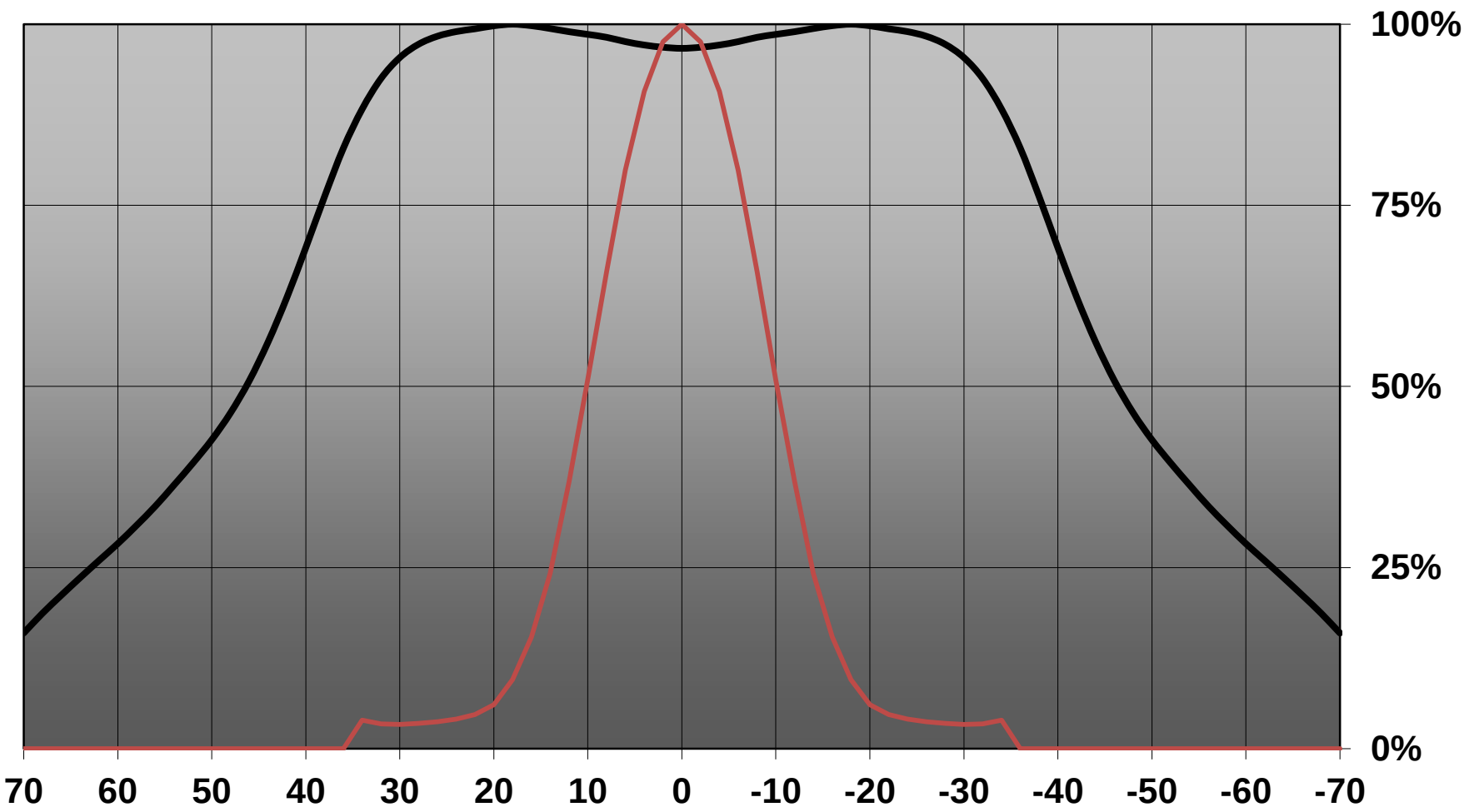
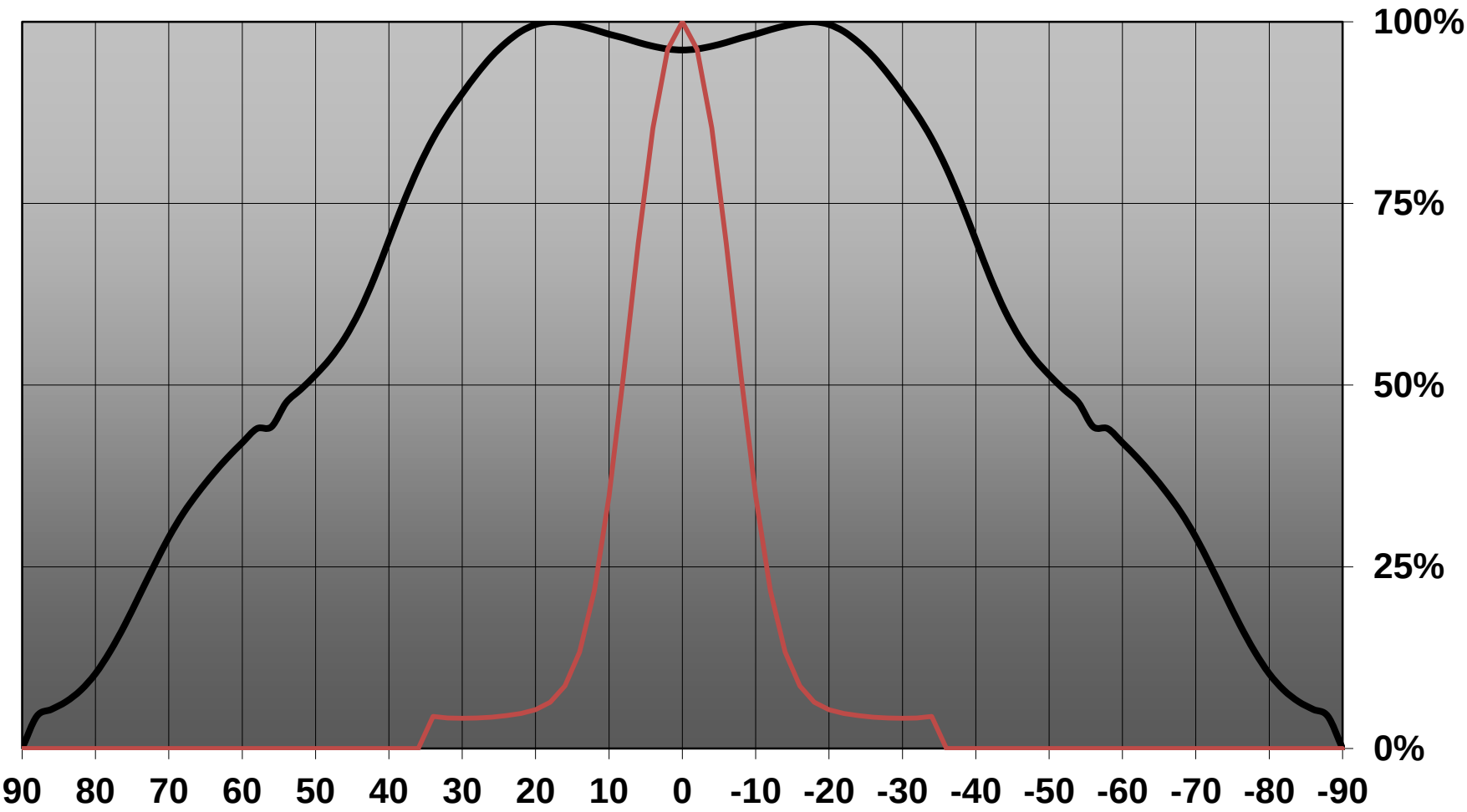
email: ledil@ledil.com
FAX: +358-2-733 8001

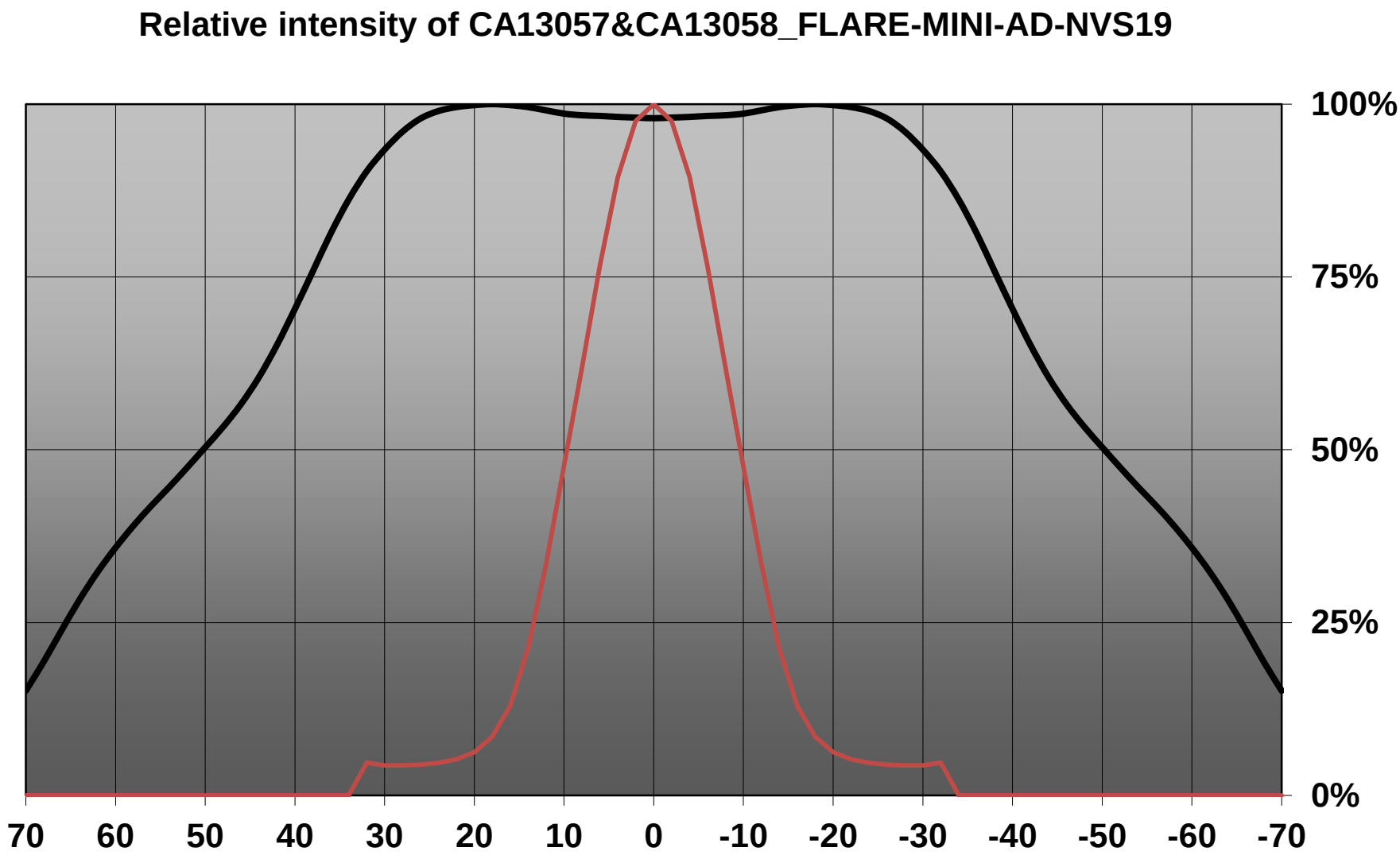

Relative intensity of CA13057&CA13058_FLARE-MINI-AD-SQEC
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

Relative intensity of CA13057&CA13058_FLARE-MINI-AD-LuxA

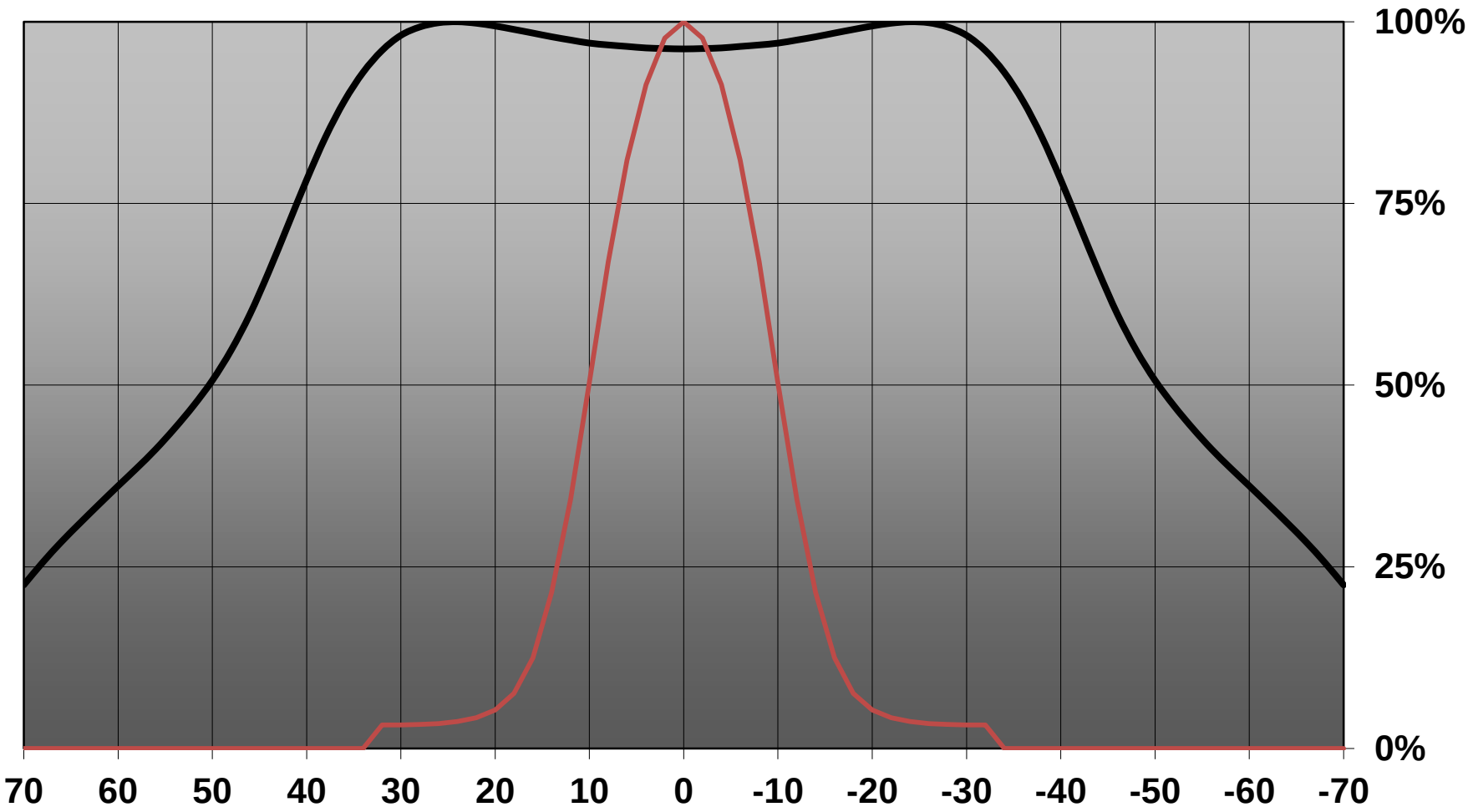


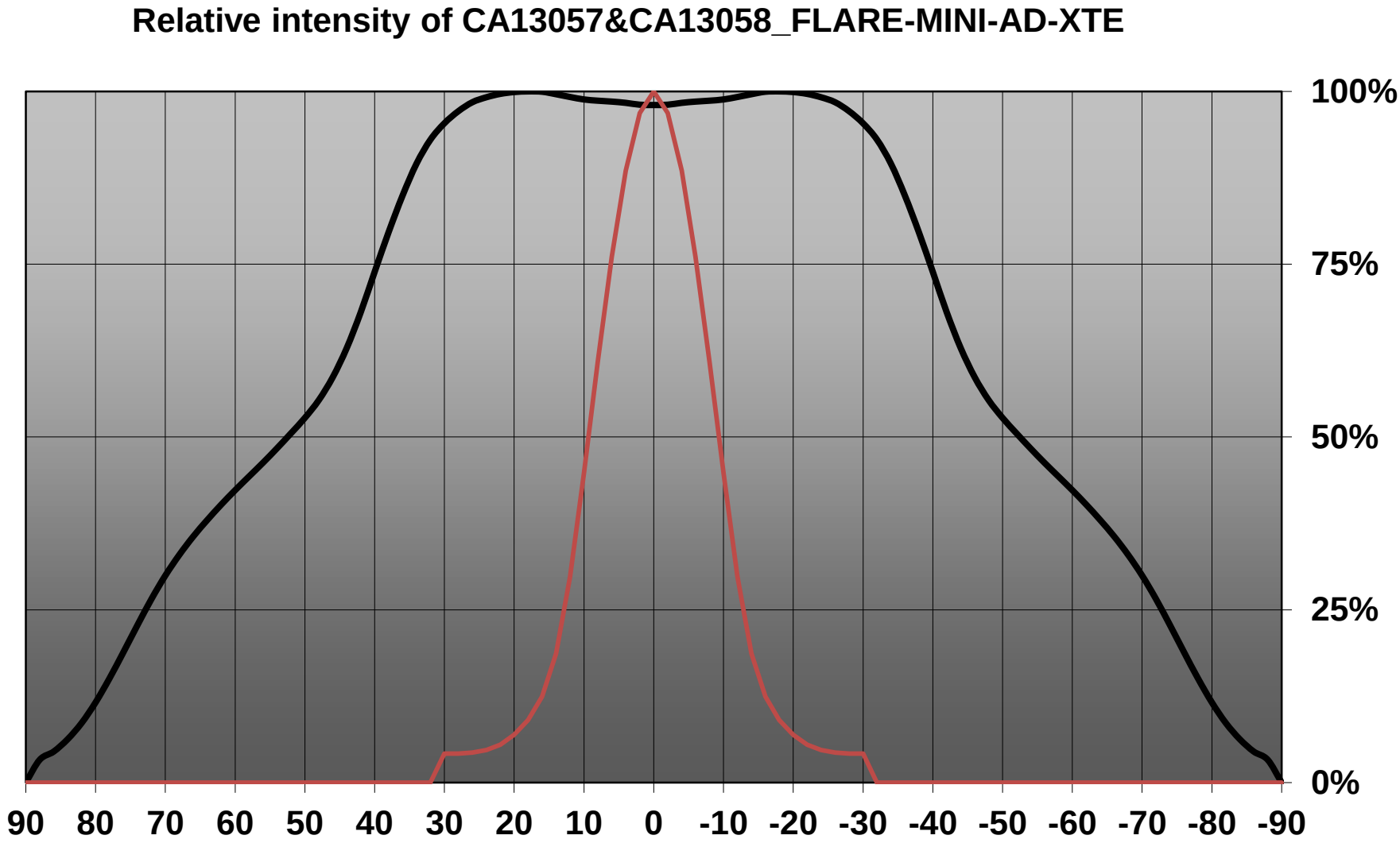
Relative intensity of CA13057&CA13058_FLARE-MINI-AD-XBD

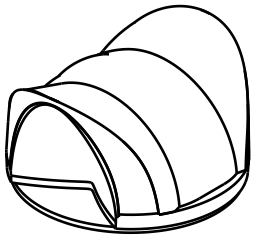


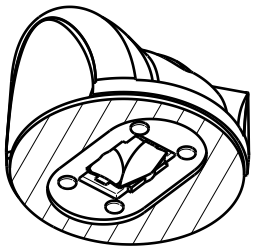

Relative intensity of CA13057&CA13058_FLARE-MINI-AD-NVS19
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

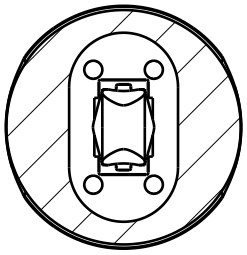
Relative intensity of CA13057&CA13058_FLARE-MINI-AD-XPG

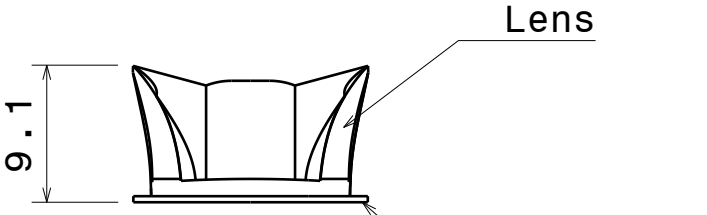


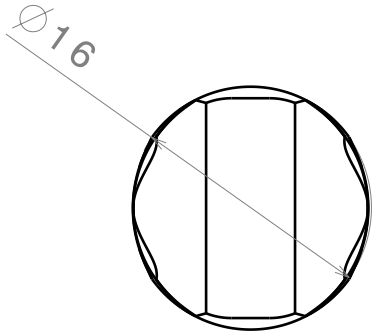

Relative intensity of CA13057&CA13058_FLARE-MINI-AD-XTE
100%
75%
50%
25%
0%
90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90











Material:
Lens: PMMA
Tape: PU Foam

Tolerances for dimensions:
0-20mm tolerance value +-0.1mm
21-45mm tolerance value +-0.2mm
46-90mm tolerance value +-0.3mm
91-100mm tolerance value +-0.4mm
101-mm tolerance value +-0.5mm

Note:
Must use external positioning
over light source.

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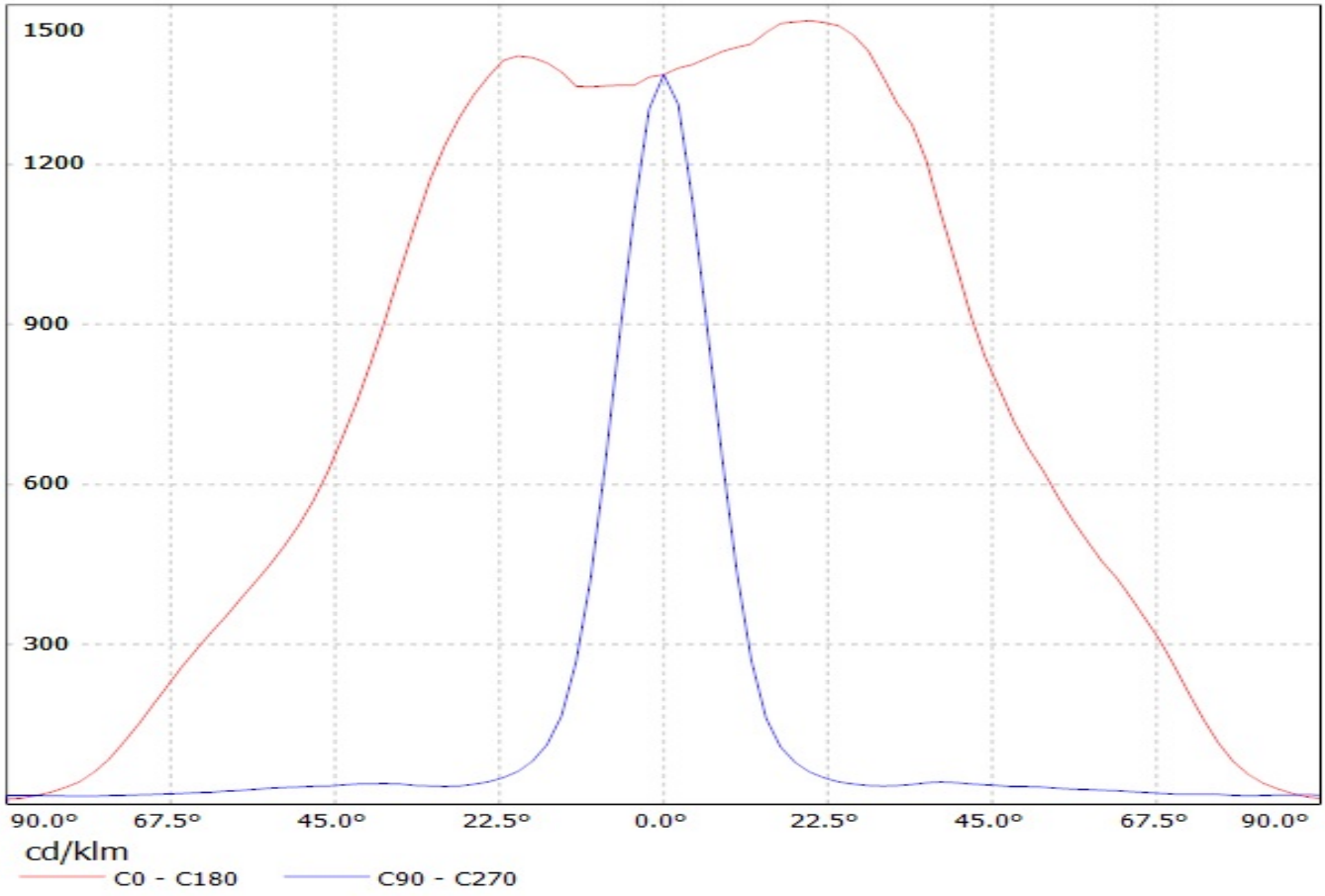
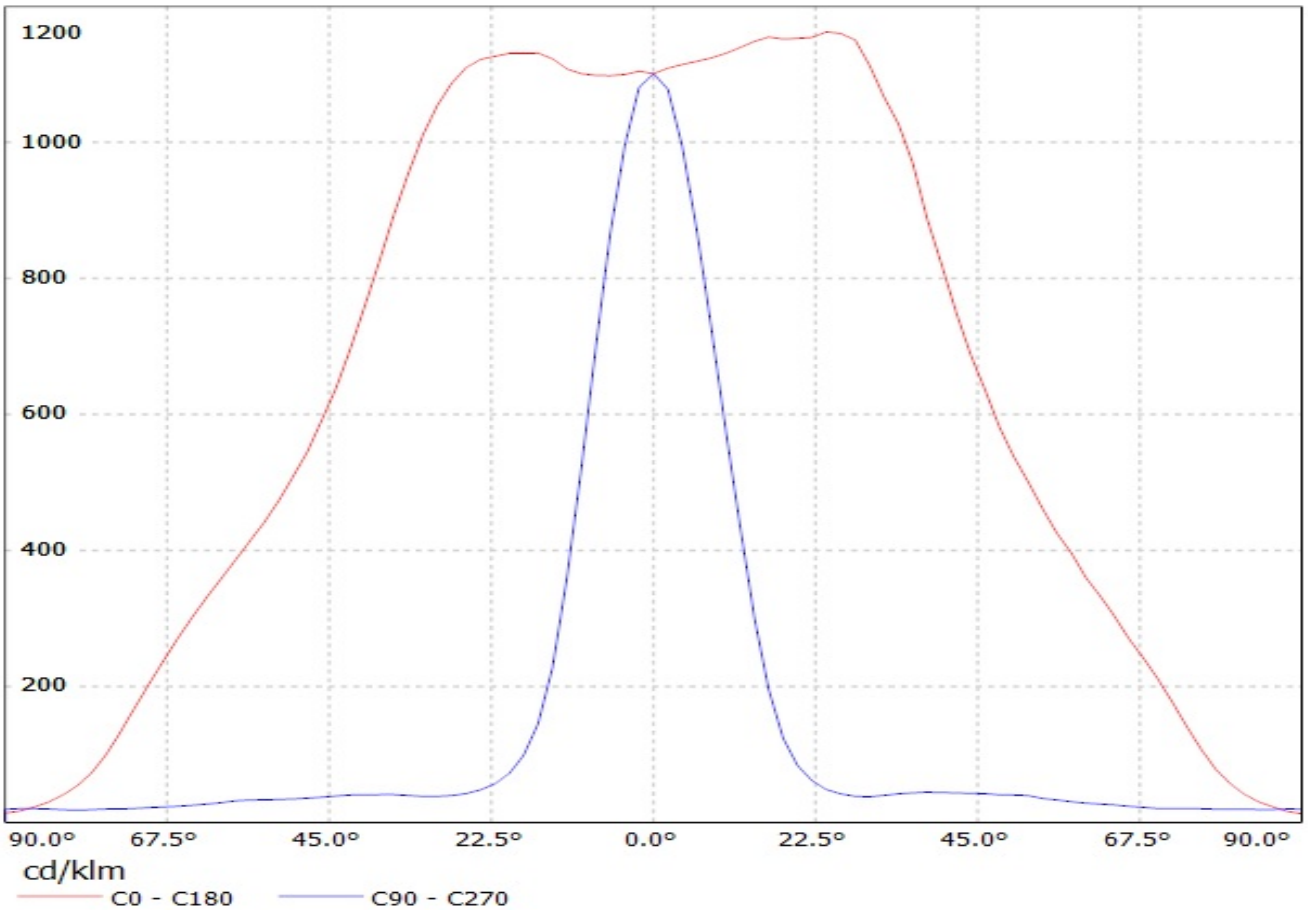
DRAWN BY: pv	DATE: 03.04.2012	DRAWING TITLE: Datasheet Flare-Mini-AD Assy			
CHECKED BY: pl	DATE: 02.04.2012	SIZE: A4	DRAWING NUMBER: CA13057		REV: 1
DESIGNED BY: pl	DATE: 27.02.2012	SCALE: 2:1	WEIGHT(g):		SHEET: 1/1

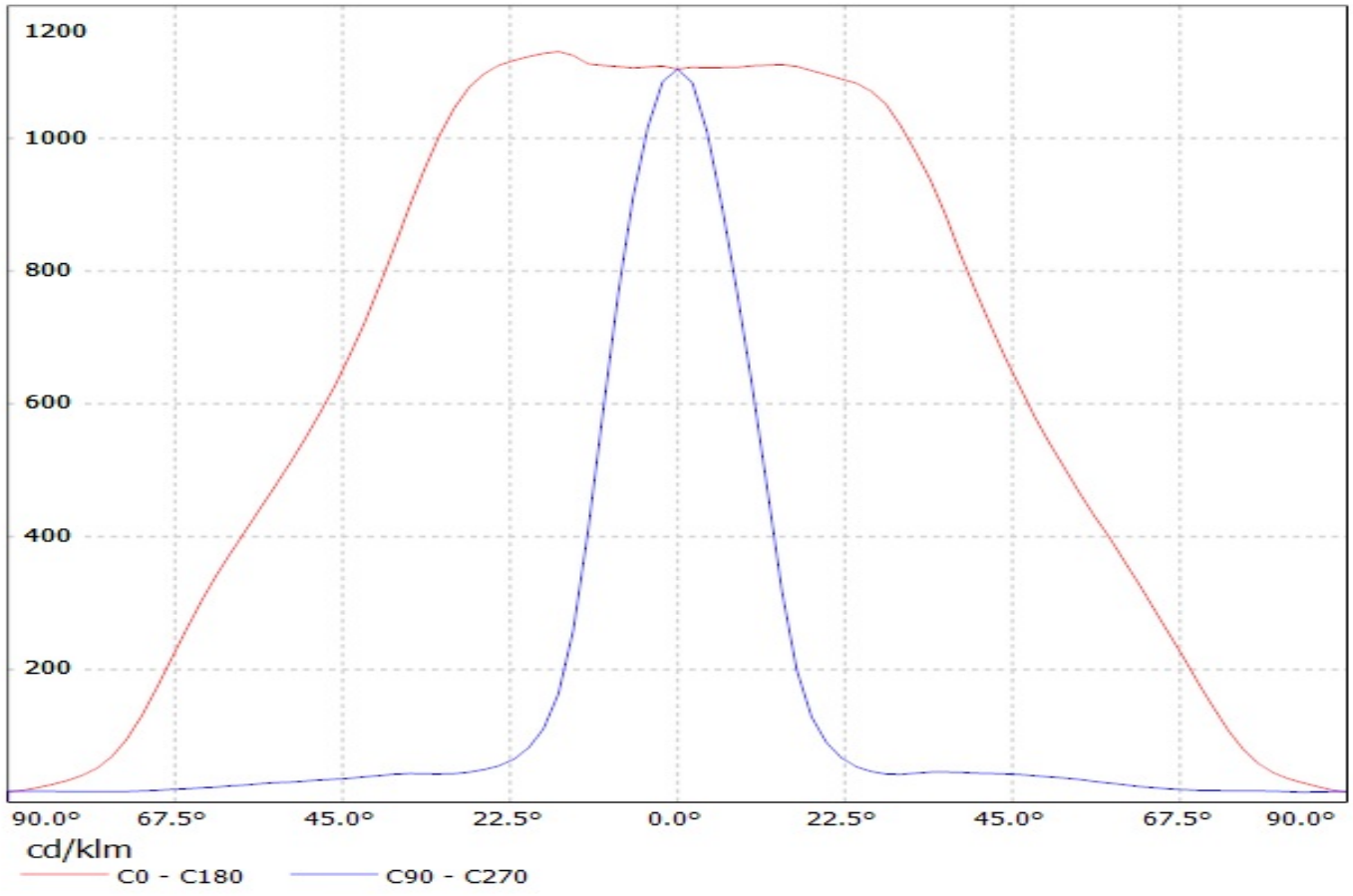
Luminaire: Ledil Oy CA13057_FLARE-MINI-AD (CREE XP-E2 92 lm & 250 mA) Efficiency=94%
Lamps: 1 x CREE XP-E2 92 lm & 250 mA



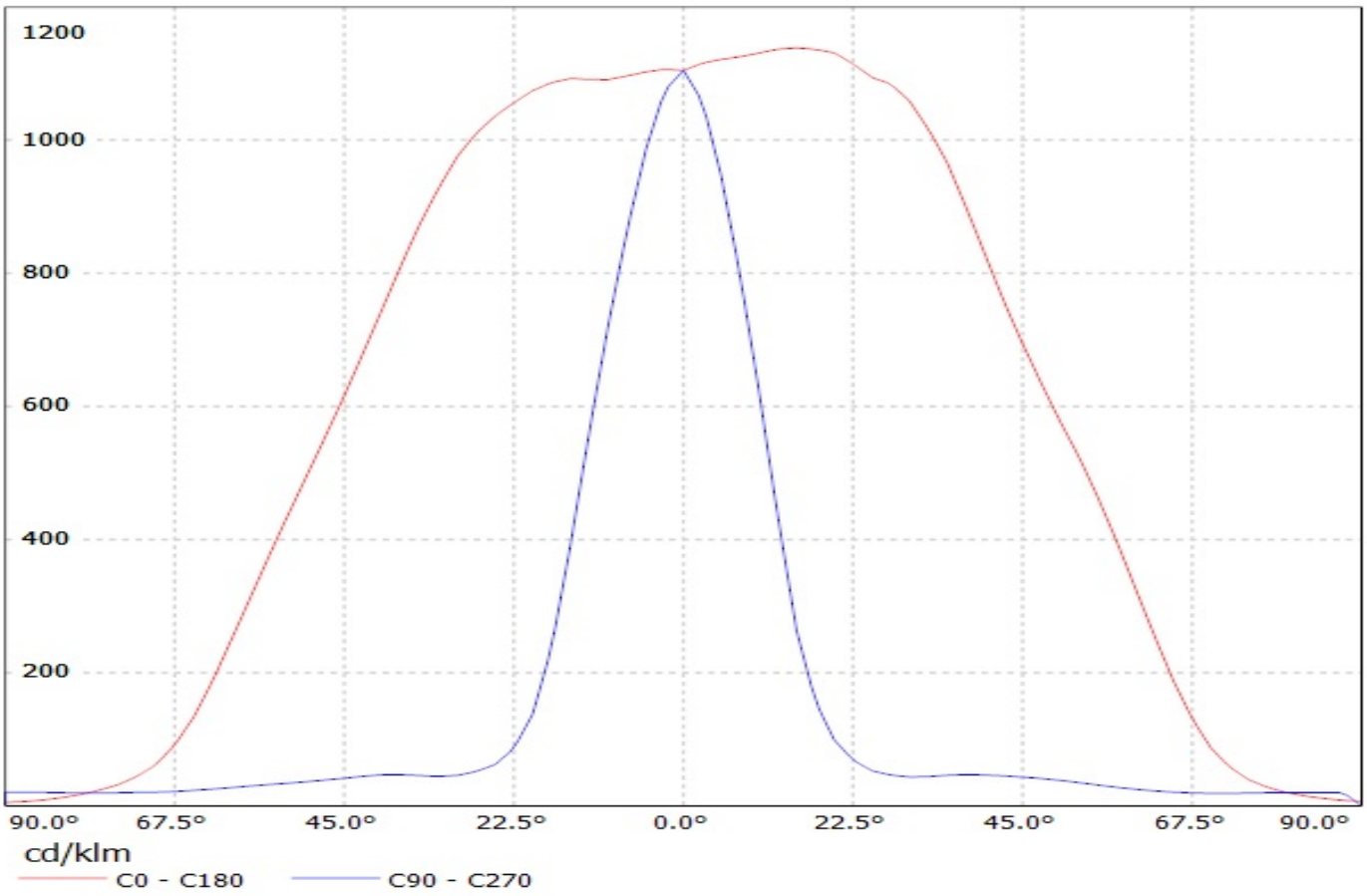
Luminaire: Ledil Oy CA13057_FLARE-MINI-AD (CREE XP-G2 99 lm @ 250 mA) Efficiency=94%
Lamps: 1 x CREE XP-G2 99 lm @ 250 mA



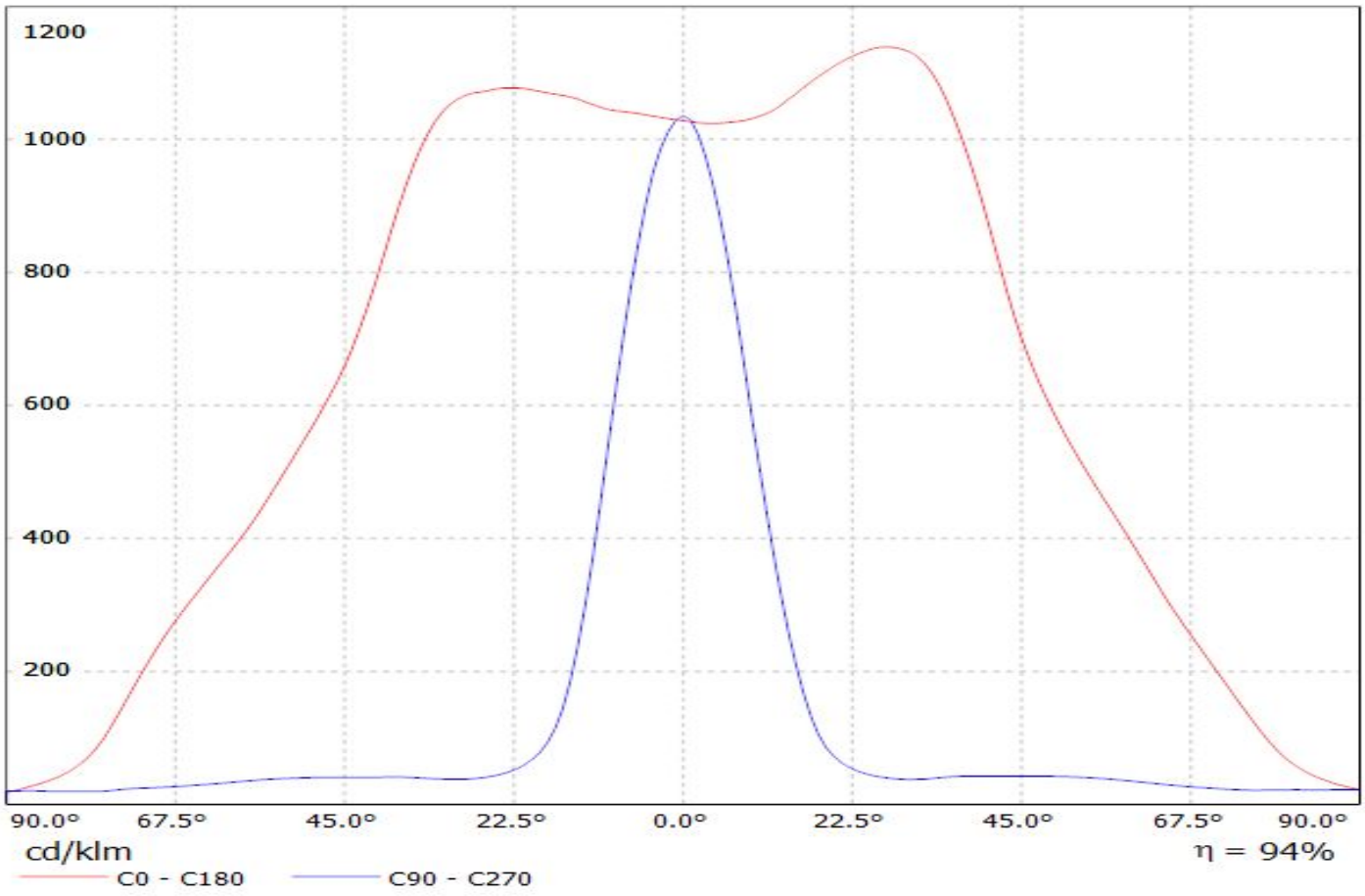
Luminaire: LEDil Oy CA13057_FLARE-MINI-AD_(Z5M1) Efficiency=94%
Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



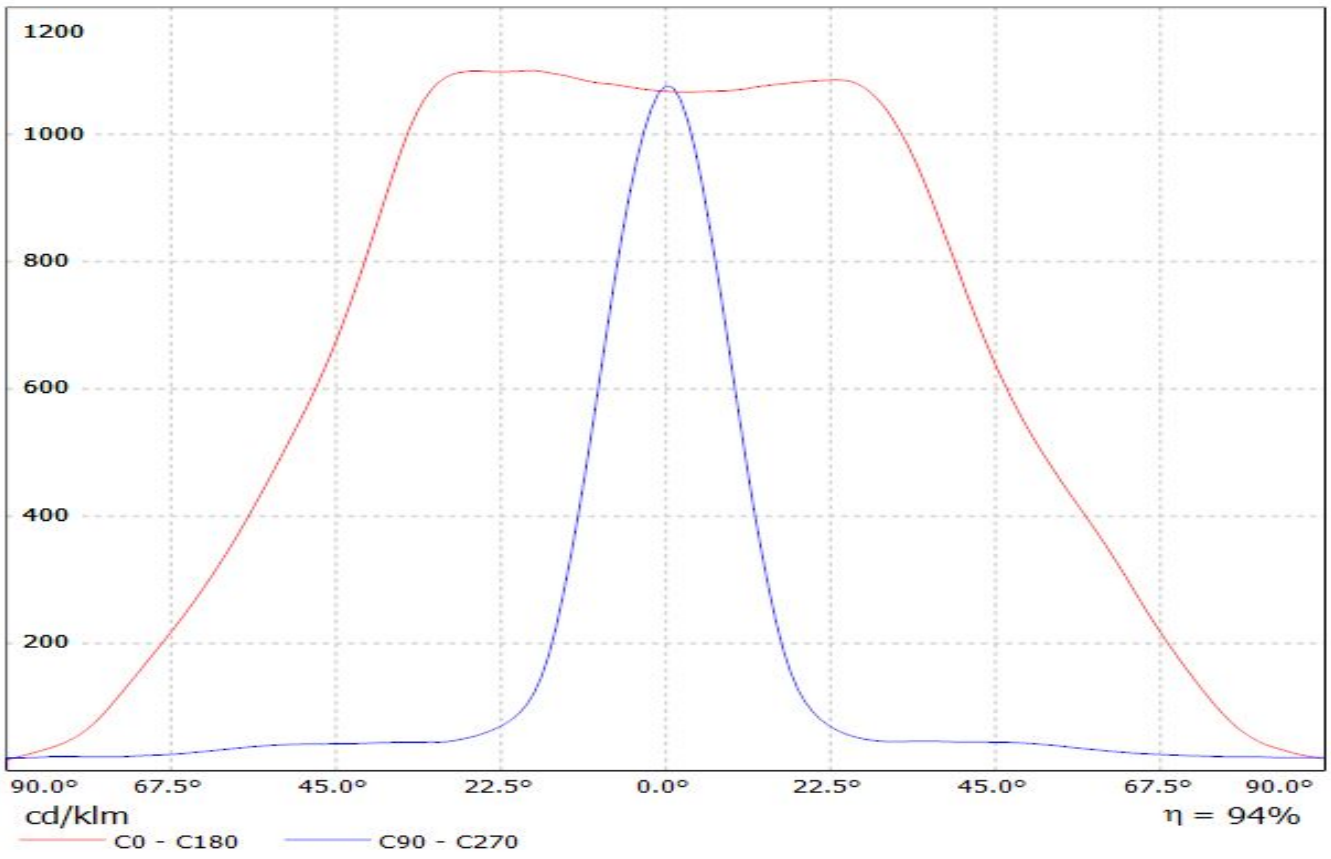
Luminaire: Ledil Oy CA13057_FLARE-MINI-AD_(LH351Z) Efficiency=94%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



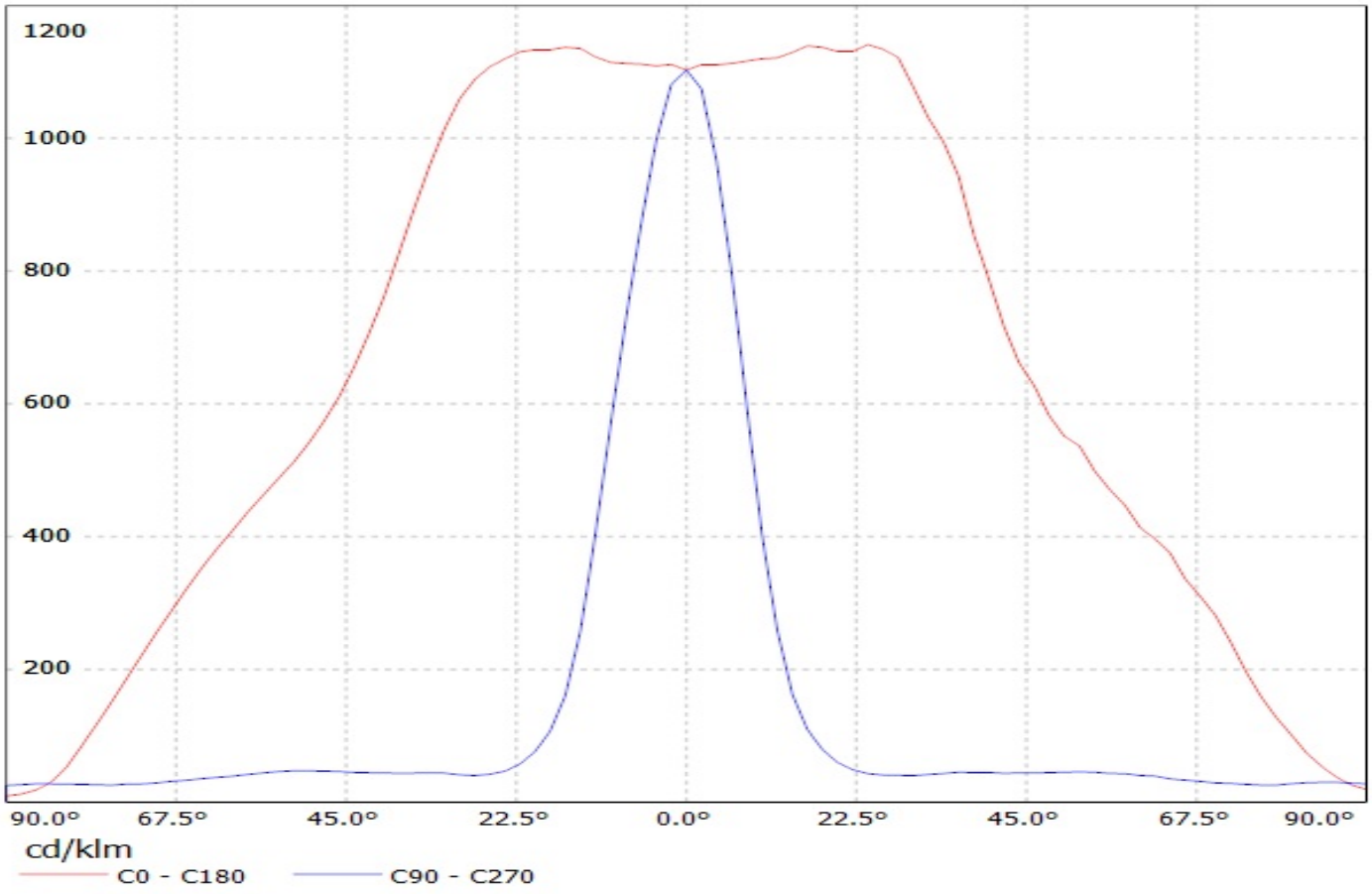
Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(XP-G)
Lamps: 1 x Cree_XP-G_(XPGWHT-L1-CWPI-00BE7)_67.23lm@250mA_P=0.771066W_I=249.9mA



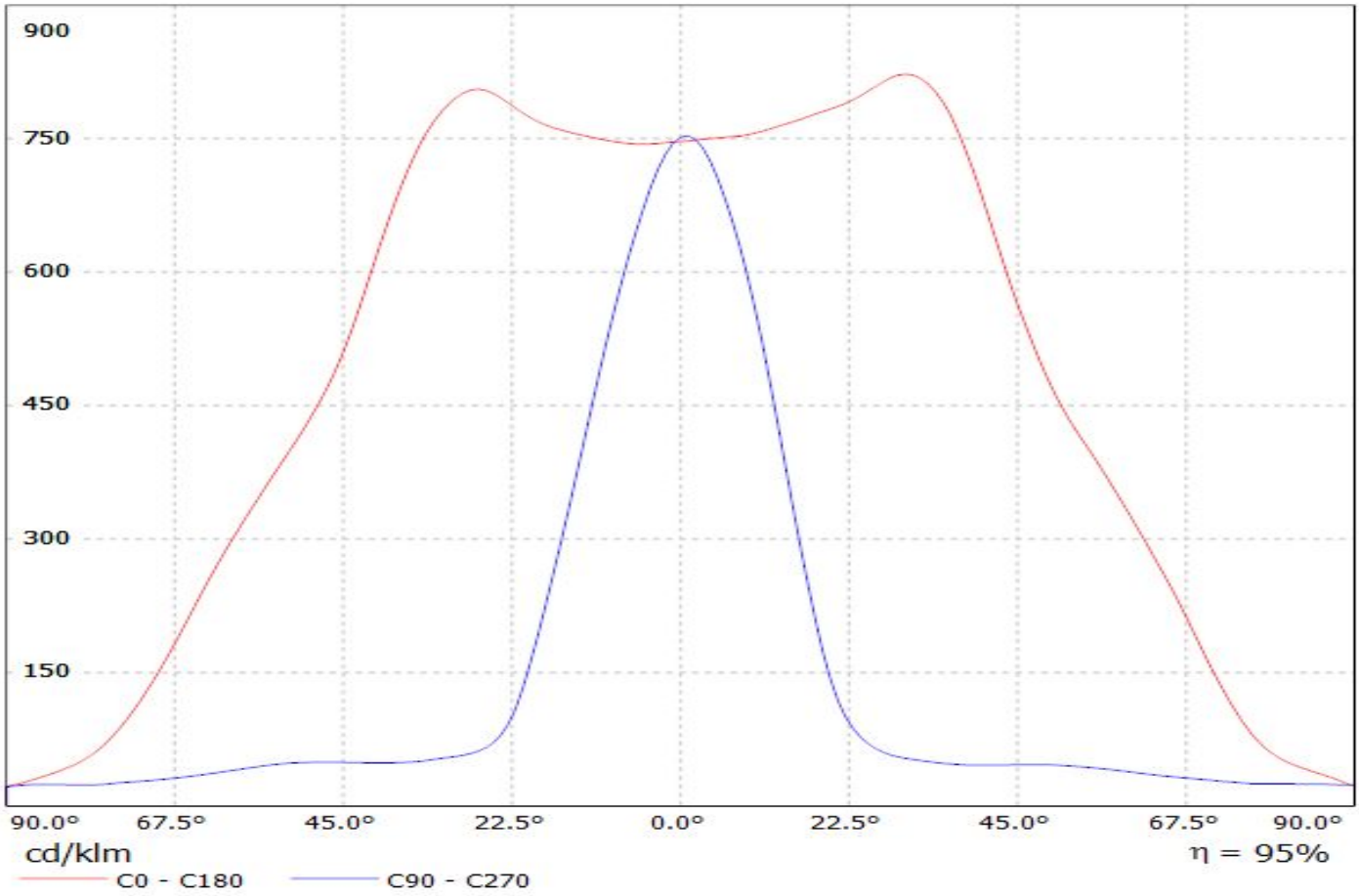
Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(LG-3535-CERAMIC-GEN2) Eff.93%
Lamps: 1 x LG-3535-CERAMIC-GEN2_116.256lm@250mA_P=0.754973W_CCT=6235K_I=249.9mA



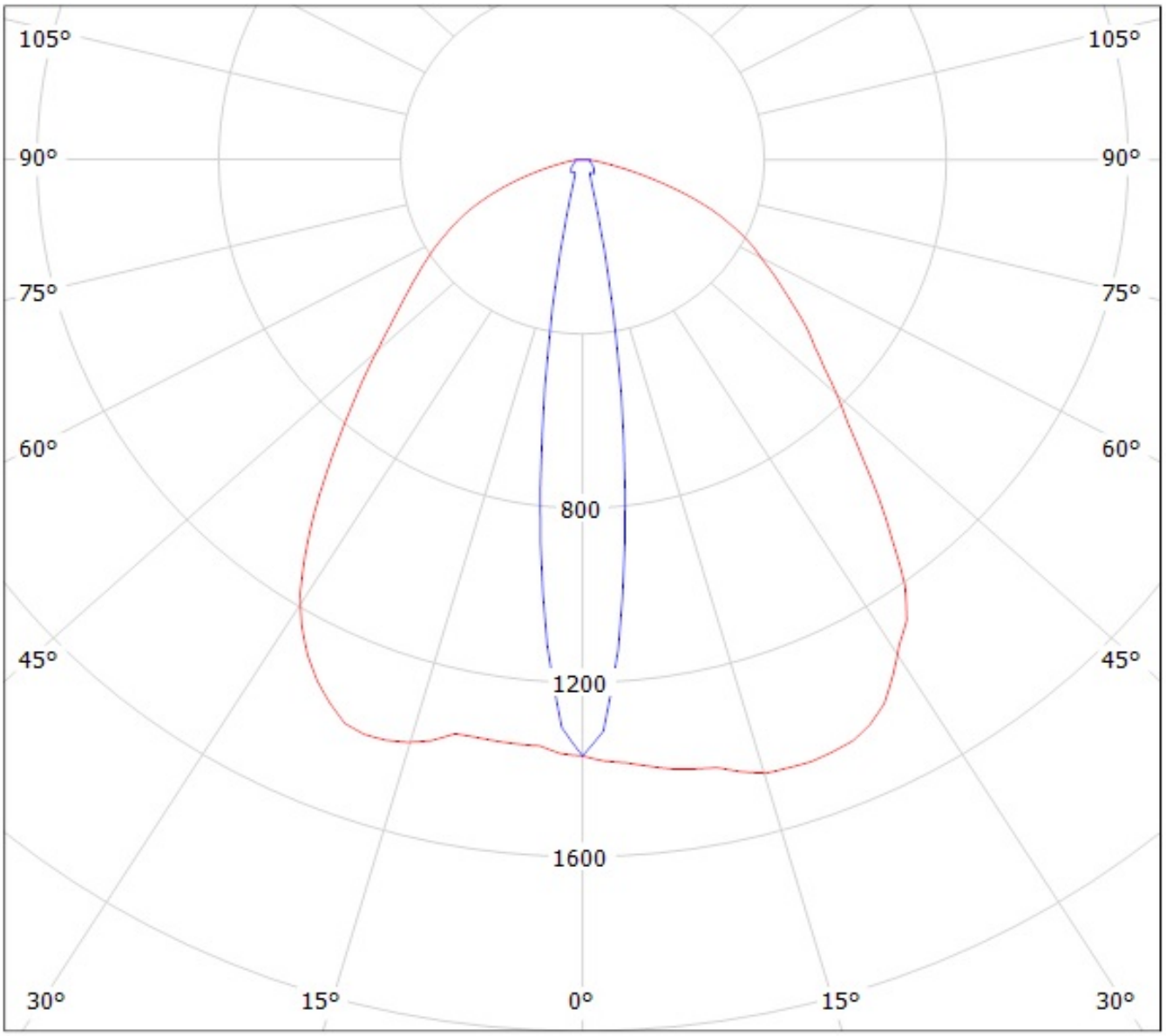
Luminaire: Ledil Oy CA13058_FLARE-MINI-AD-PIN (Cree XT-E 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 98lm @ 250mA



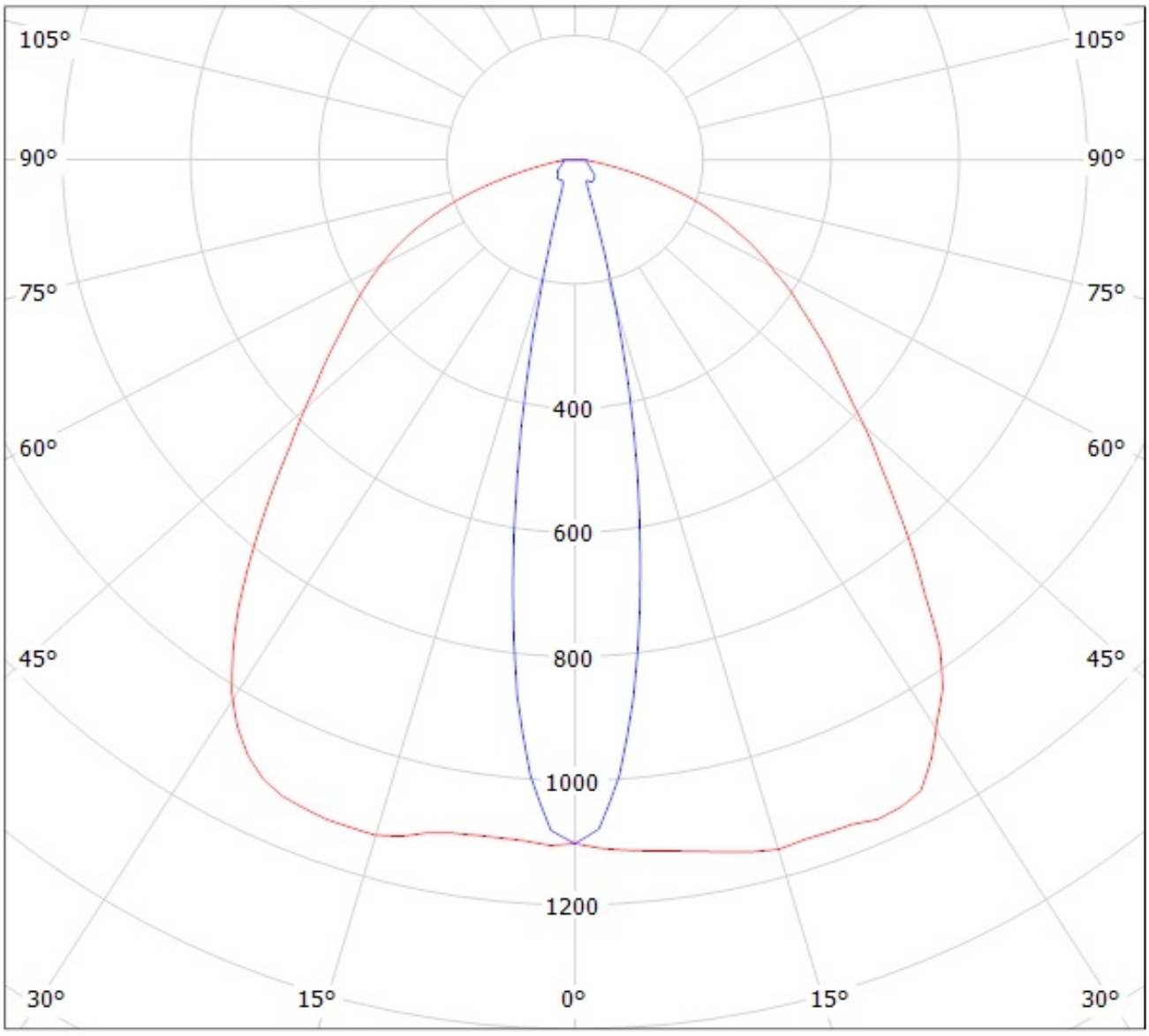
Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(XP-L)
Lamps: 1 x Cree_XP-L_125.168lm@250mA_P=0.73818W_I=249.9mA



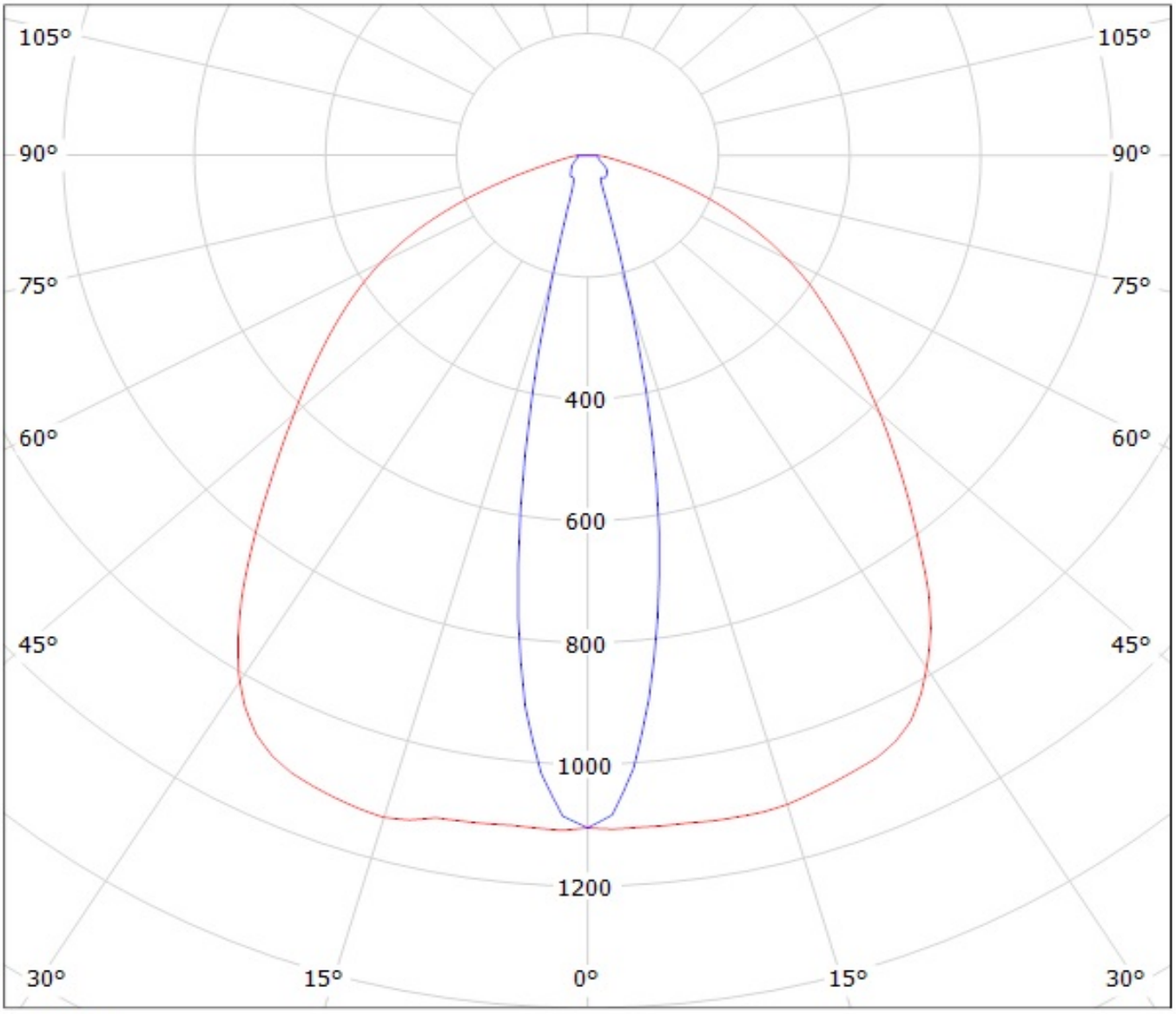
Luminaire: Ledil Oy CA13057_FLARE-MINI-AD (CREE XP-E2 92 lm & 250 mA) Efficiency=94%
Lamps: 1 x CREE XP-E2 92 lm & 250 mA



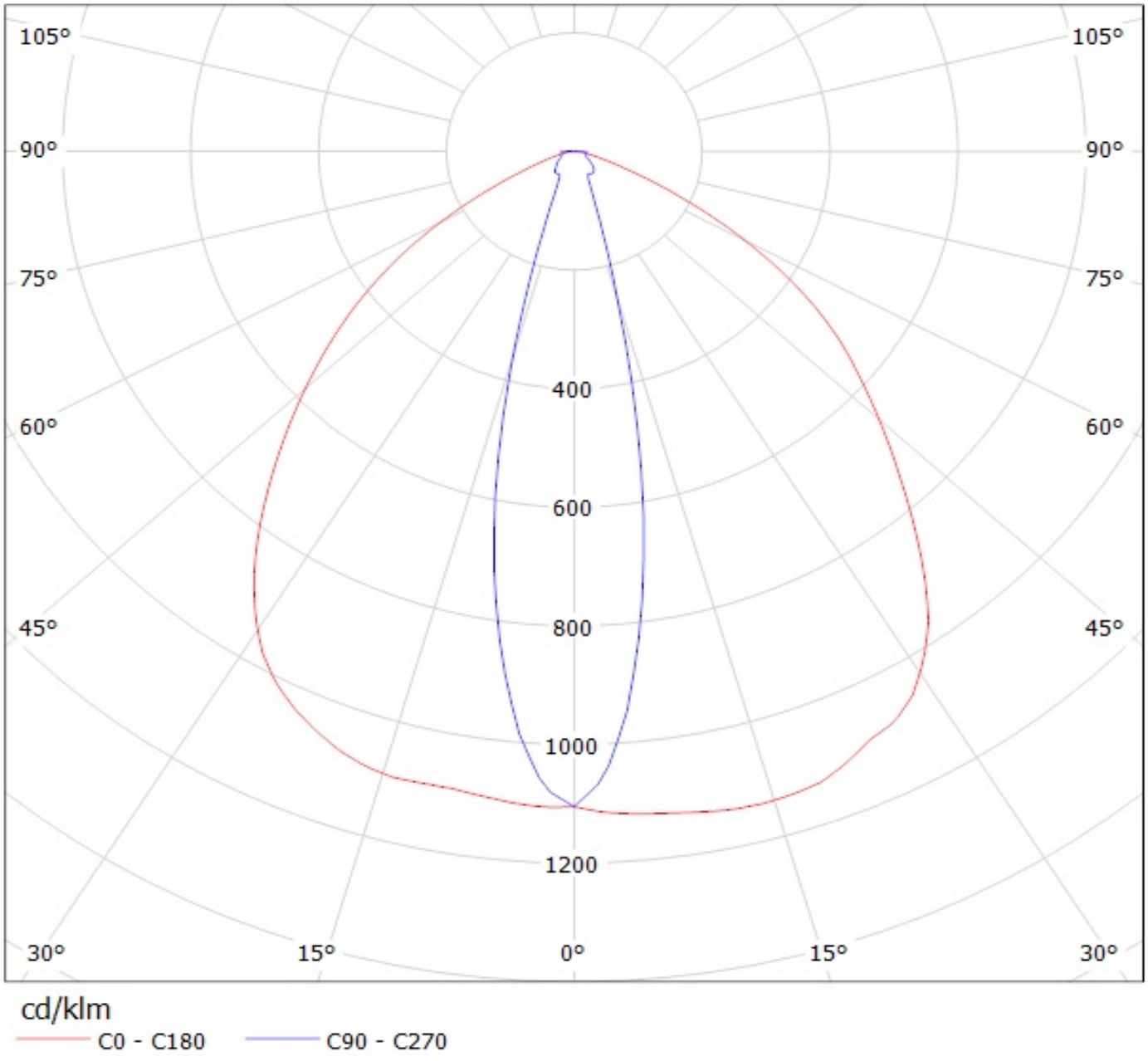
Luminaire: Ledil Oy CA13057_FLARE-MINI-AD (CREE XP-G2 99 lm @ 250 mA) Efficiency=94%
Lamps: 1 x CREE XP-G2 99 lm @ 250 mA



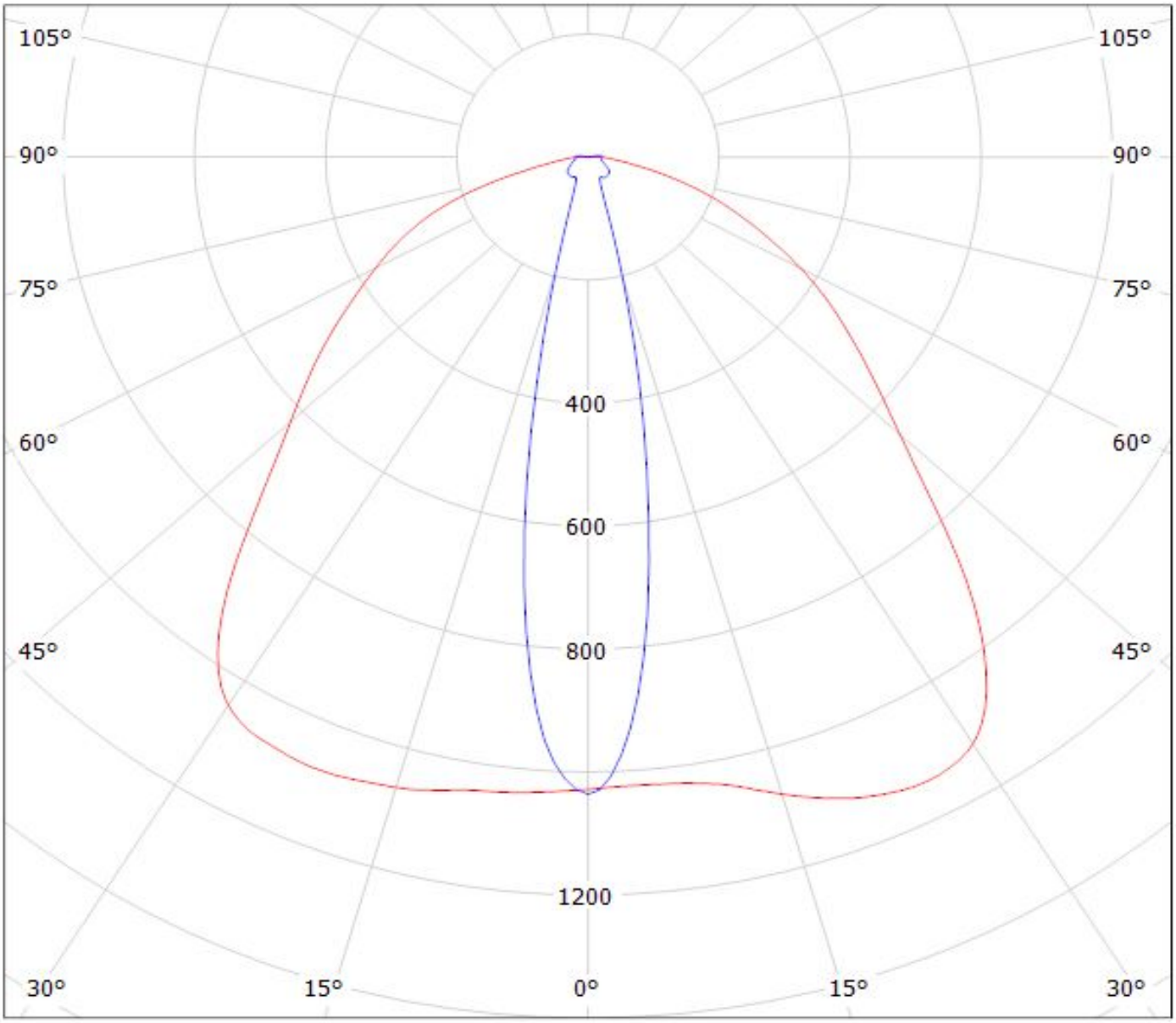
Luminaire: LEDil Oy CA13057_FLARE-MINI-AD_(Z5M1) Efficiency=94%
Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



Luminaire: Ledil Oy CA13057_FLARE-MINI-AD_(LH351Z) Efficiency=94%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(XP-G)
Lamps: 1 x Cree_XP-G_(XPGWHT-L1-CWPI-00BE7)_67.23lm@250mA_P=0.771066W_I=249.9mA

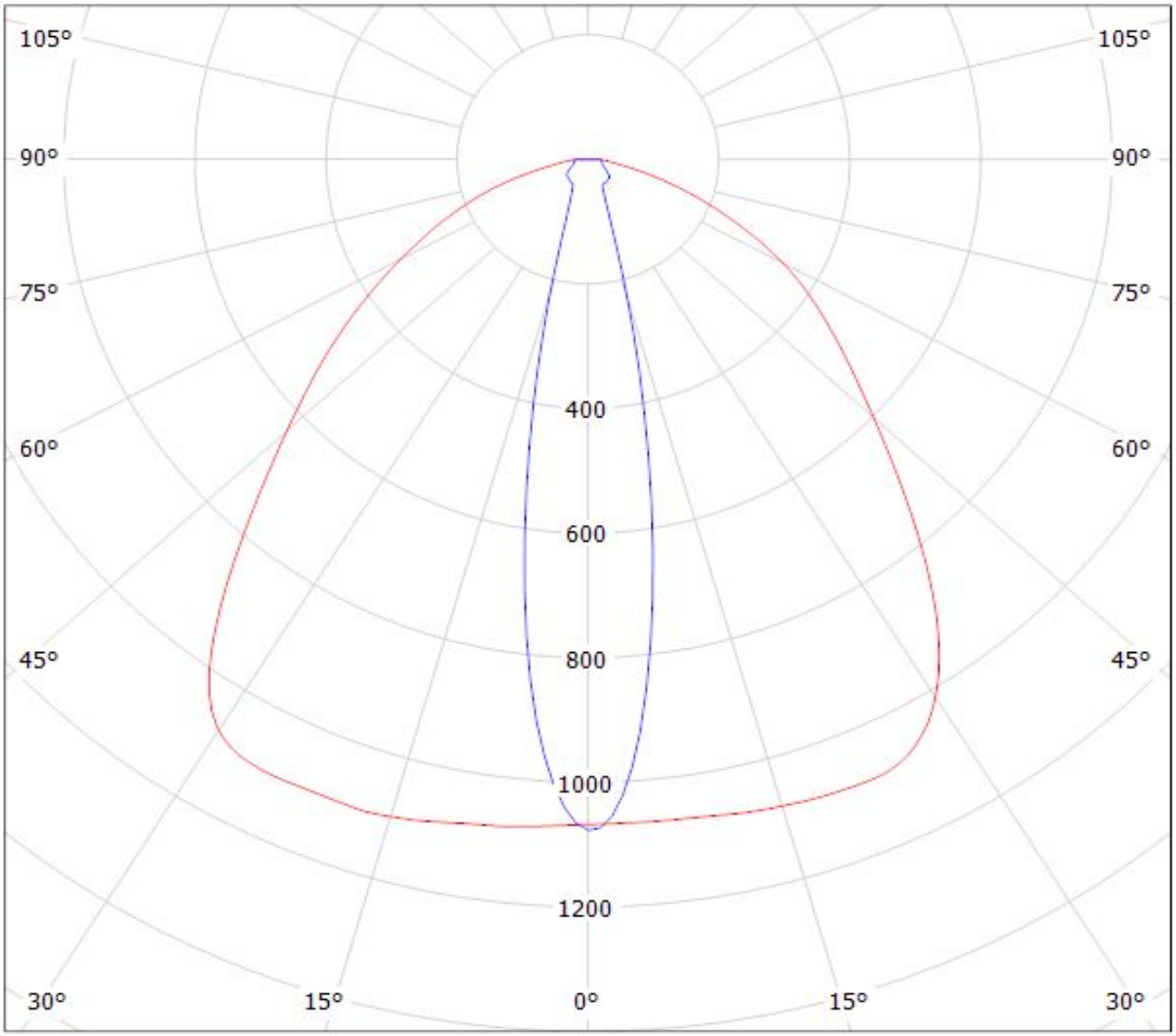


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(LG-3535-CERAMIC-GEN2) Eff.93%
Lamps: 1 x LG-3535-CERAMIC-GEN2_116.256lm@250mA_P=0.754973W_CCT=6235K_I=249.9mA

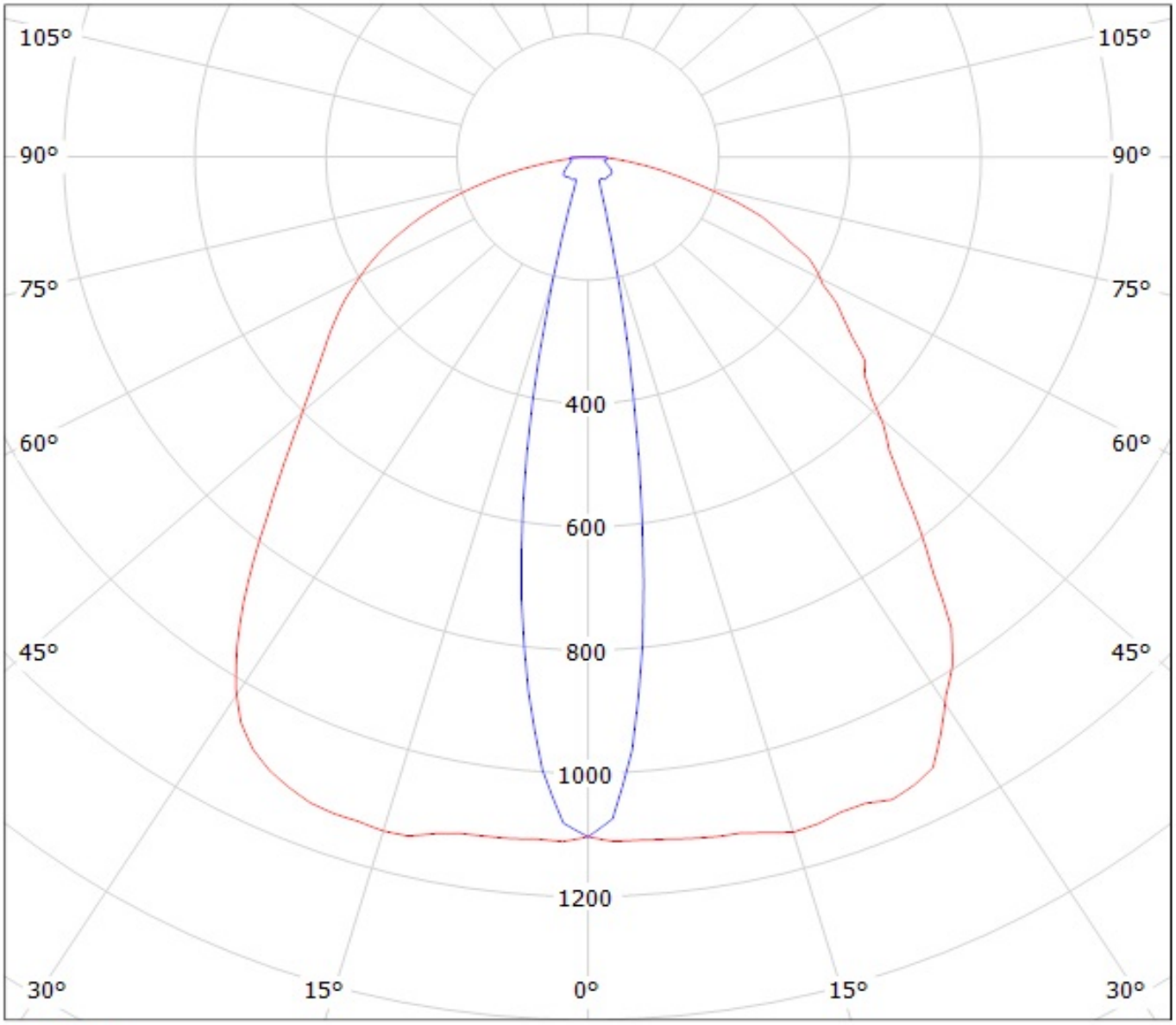


cd/klm

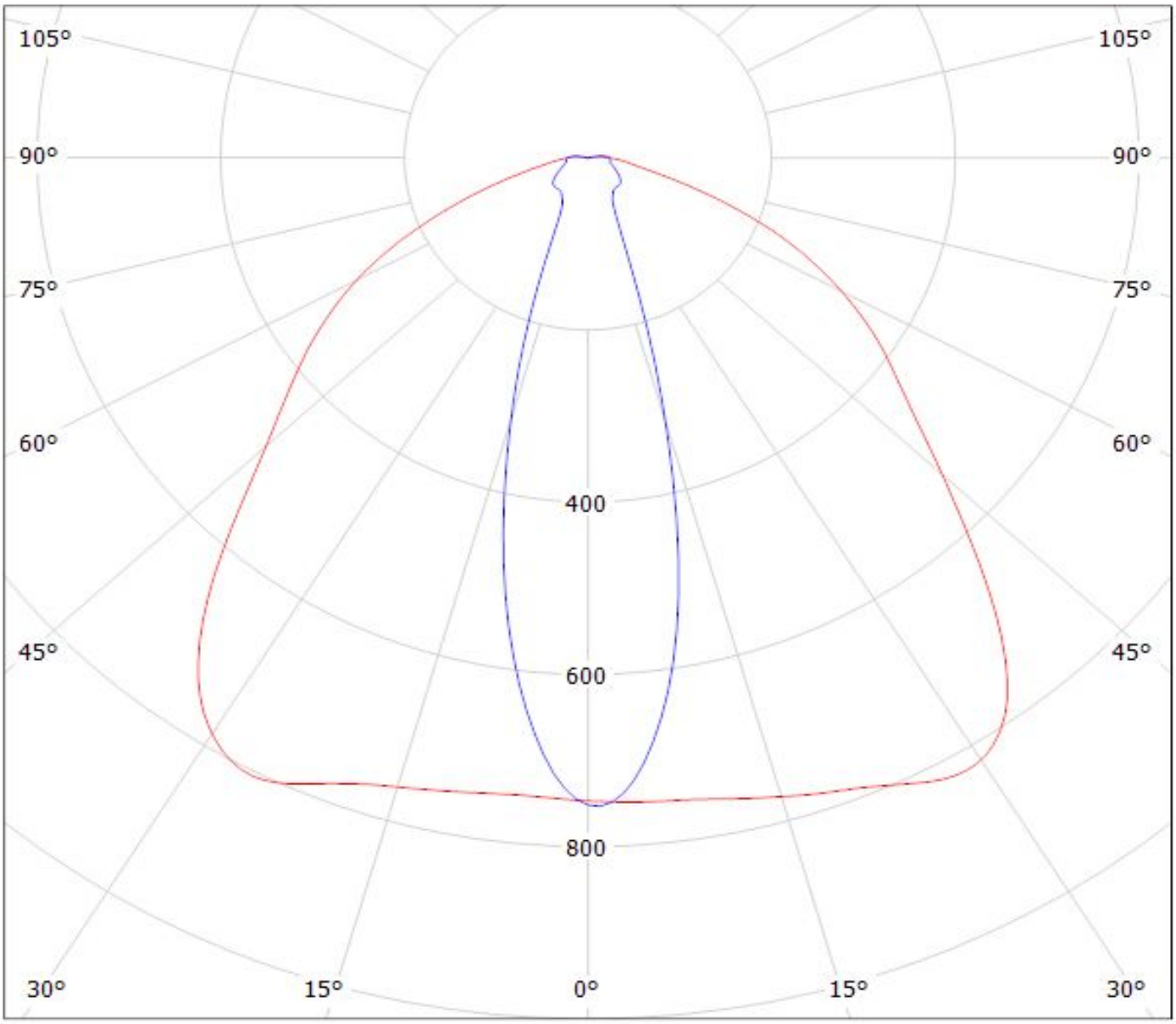
η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA13058_FLARE-MINI-AD-PIN (Cree XT-E 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 98lm @ 250mA



Luminaire: LEDiL Oy CA13057_FLARE-MINI-AD_(XP-L)
Lamps: 1 x Cree_XP-L_125.168lm@250mA_P=0.73818W_I=249.9mA



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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.