

## DETAILS

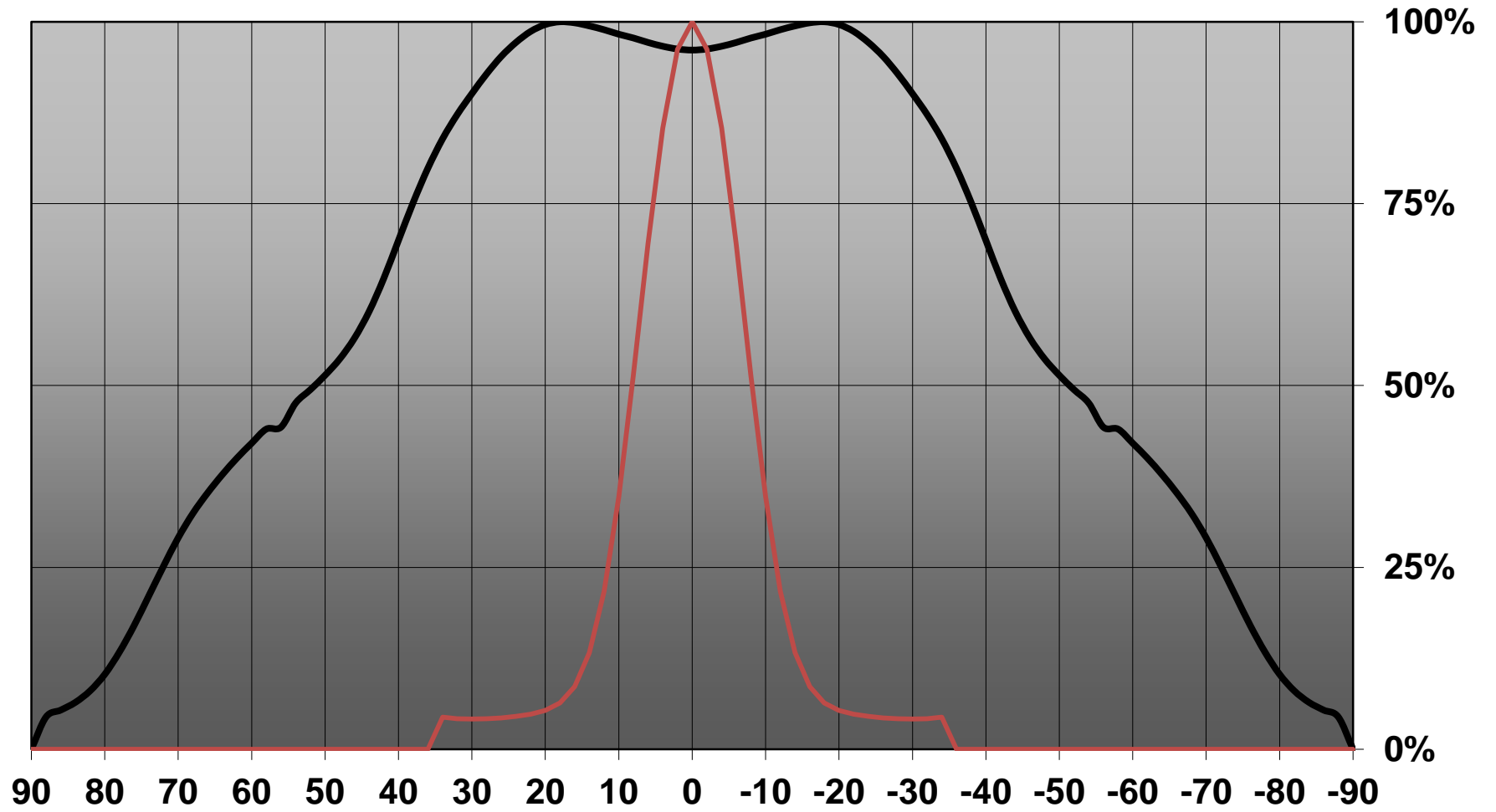
|                        |                       |
|------------------------|-----------------------|
| <b>Product Number</b>  | CA13057_FLARE-MINI-AD |
| <b>Family</b>          | Flare                 |
| <b>Type</b>            | Assembly              |
| <b>Color</b>           | clear                 |
| <b>Diameter</b>        | 16 mm                 |
| <b>Height</b>          | 9,1 mm                |
| <b>Style</b>           | round                 |
| <b>Optic Material</b>  | PMMA                  |
| <b>Holder Material</b> |                       |
| <b>Fastening</b>       | tape                  |
| <b>Status</b>          | production ready      |
| <b>ROHS Compliant</b>  | Yes                   |
| <b>Date Updated</b>    | 5/10/2015             |



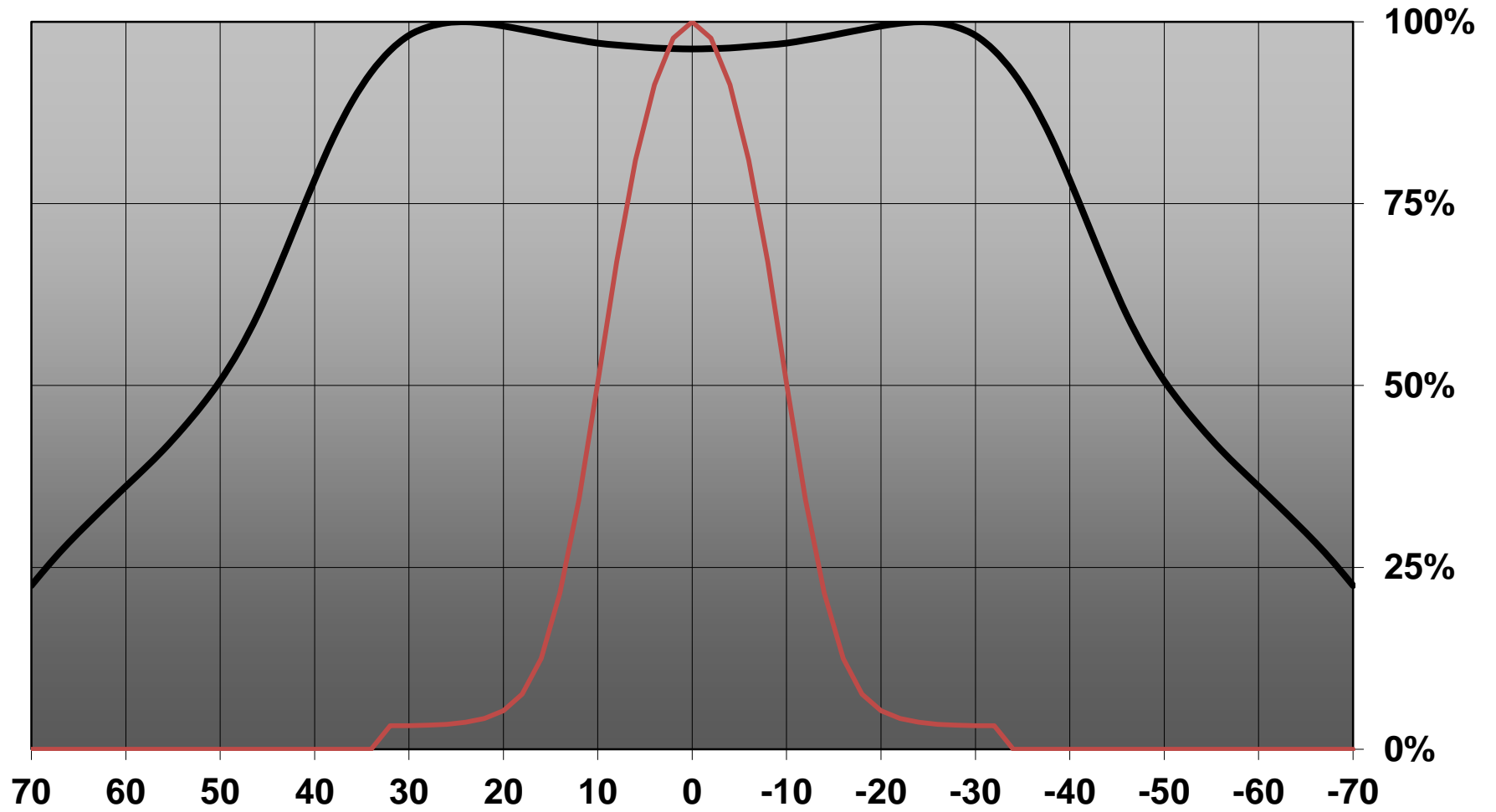
## OPTICAL PROPERTIES

| LED             | Viewing    | Light | Effi-     |            | Connector |
|-----------------|------------|-------|-----------|------------|-----------|
|                 | Angle      | Beam  | ciency    | cd/lm      |           |
| XB-D            | 100+16 deg | Oval  | 93 %      | 1.200      | -         |
| XP-G            | 100+20 deg | Oval  | 94 %      | 1.100      | -         |
| XT-E            | 104+19 deg | Oval  | 94 %      | 1.100      | -         |
| XP-E2           | 90+16 deg  | Oval  | 94 %      | 1.400      | -         |
| XP-G2           | 95+21 deg  | Oval  | 94 %      | 1.100      | -         |
| XP-L            | 111+28 deg | Oval  | 94 %      | 0.820      | -         |
| XHP35 HD        | sim: 97+29 | Oval  | sim: 92 % | sim: 0.850 | -         |
| XHP35 HI        | sim: 96+21 | Oval  | sim: 94 % | sim: 1.200 | -         |
| XP-L2           | 102+29 deg | Oval  | 94 %      | 0.770      | -         |
| H35C1 (LEMWA33) | 100+20 deg | Oval  | 93 %      | 1.100      | -         |
| LUXEON A        | 92+20 deg  | Oval  | 94 %      | 1.100      | -         |
| LUXEON C        | sim: 13+86 | Oval  | sim: 93 % | sim: 1.570 | -         |
| NVSxx19A        | 100+20 deg | Oval  | 94 %      | 1.100      | -         |
| Oslon Square EC | 92+21 deg  | Oval  | 94 %      | 1.100      | -         |
| LH351Z          | 99+24 deg  | Oval  | 94 %      | 1.100      | -         |
| Z5M1/Z5M2       | 99+22 deg  | Oval  | 94 %      | 1.100      | -         |

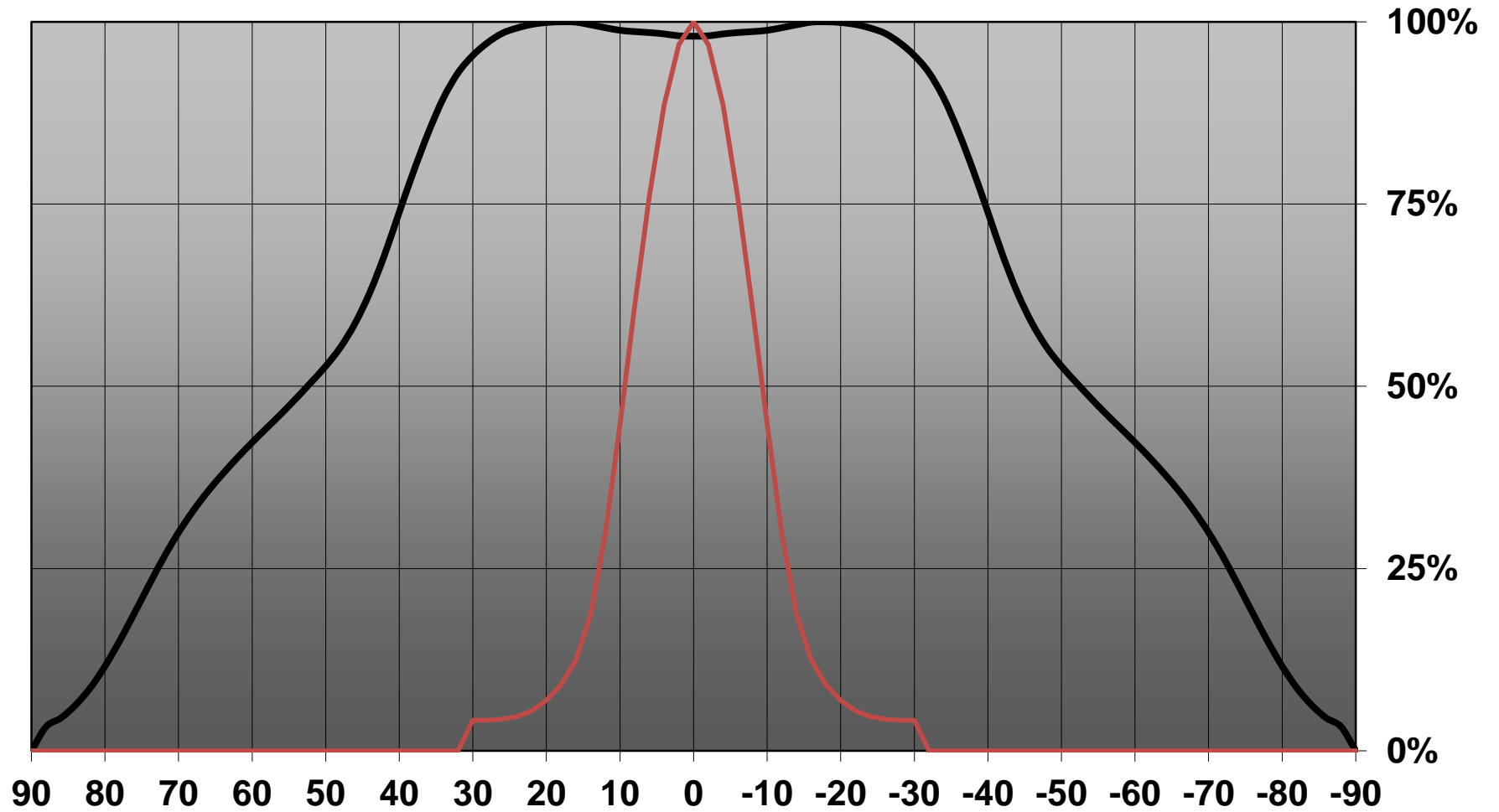
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



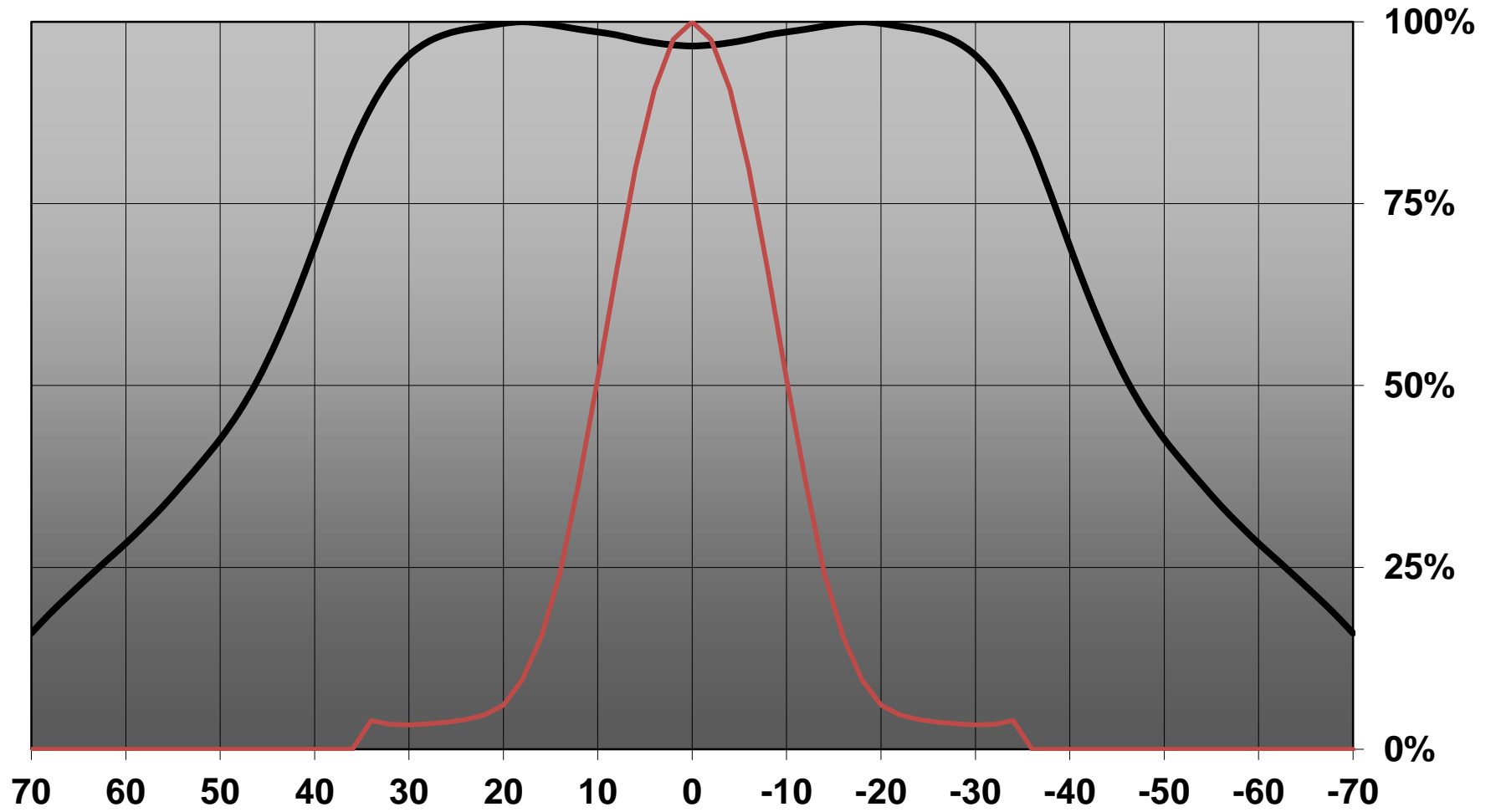
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XPG



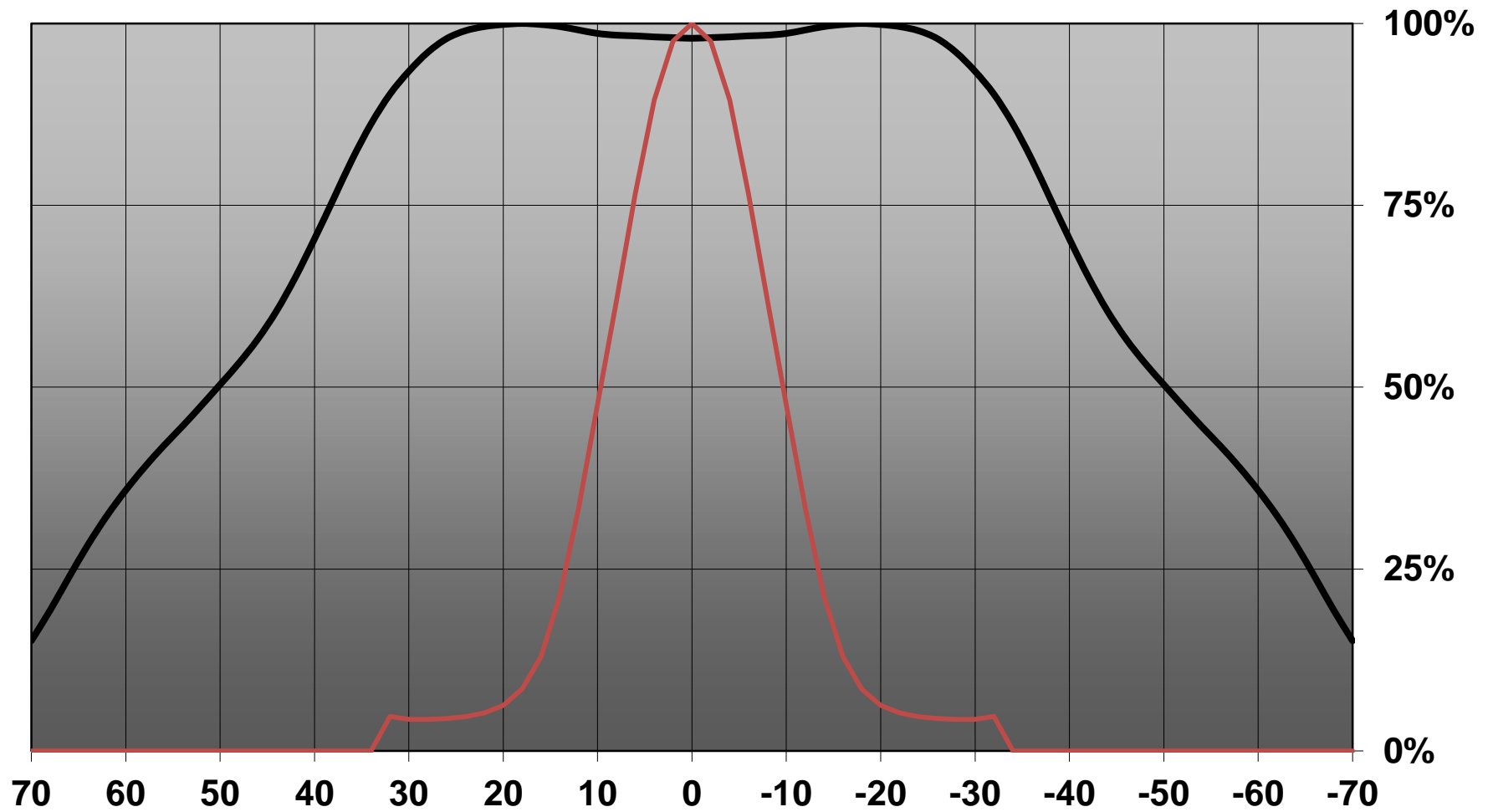
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XTE



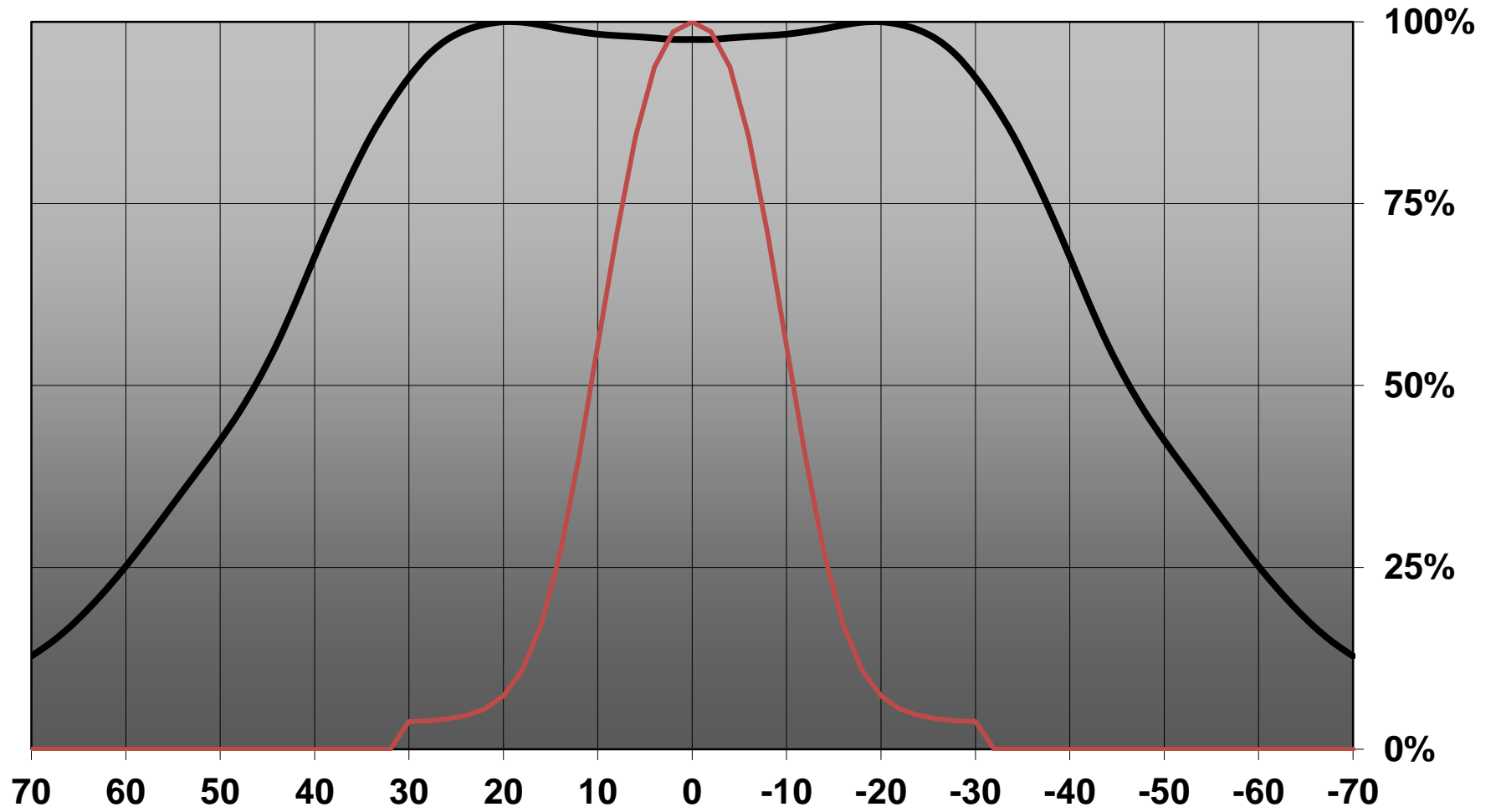
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-LuxA



Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-NVS19



Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-SQEC

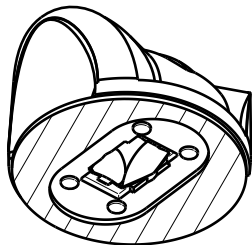
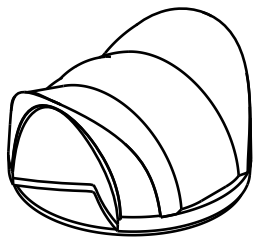


D

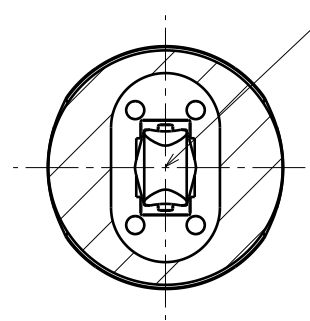
C

B

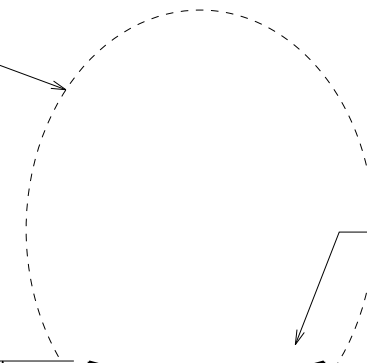
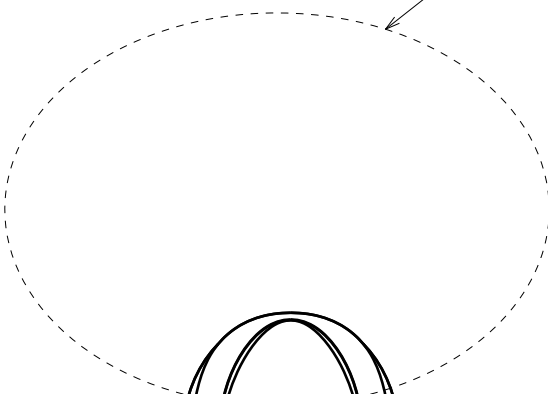
A



Led center position



Beam direction

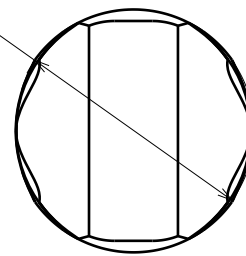


Lens

9.1

Tape 0.4mm

Ø16



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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or communicated without  
our written agreement.



Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

DRAWING TITLE

Datasheet Flare-Mini-AD Assy

DRAWN BY

jk

DATE

20151005

CHECKED BY

DATE

SIZE

A4

DRAWING NUMBER

CA13057

REV

DESIGNED BY

pl

DATE

27.02.2012

SCALE

2:1

WEIGHT

1,3 g

SHEET

1/1

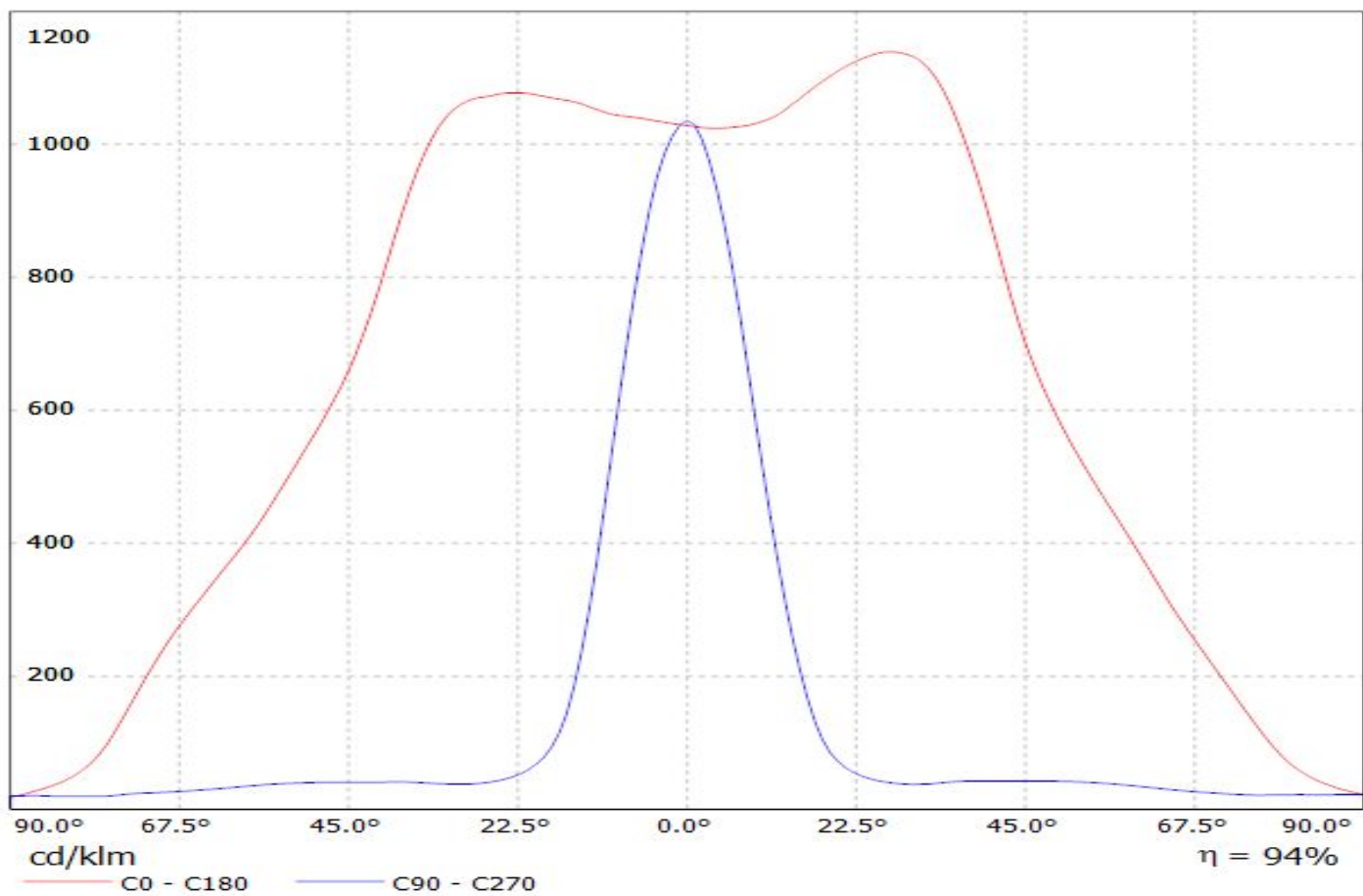
D

A

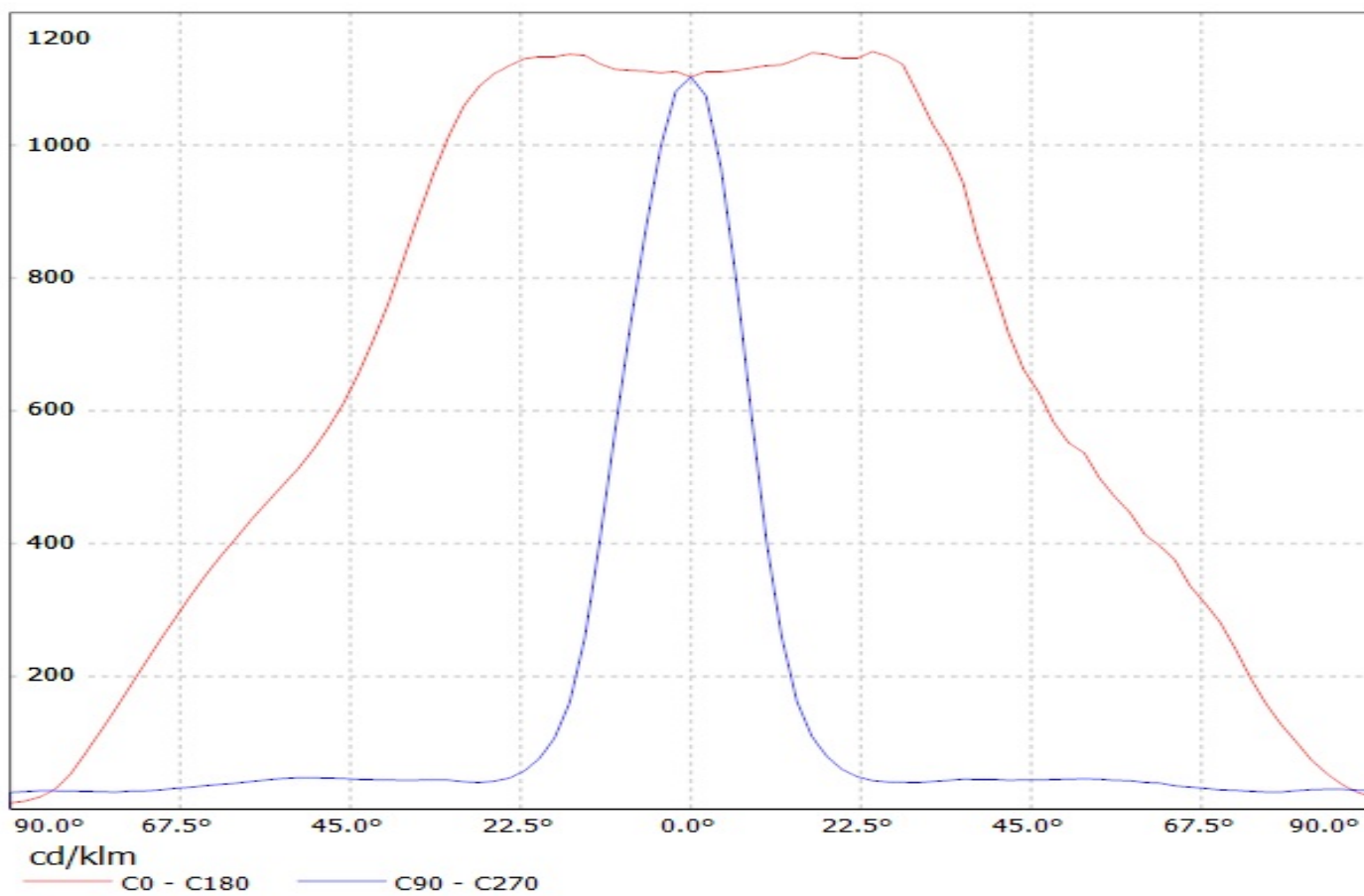


Luminaire: LEDiL Oy CA13057\_FLARE-MINI-AD\_(XP-G)

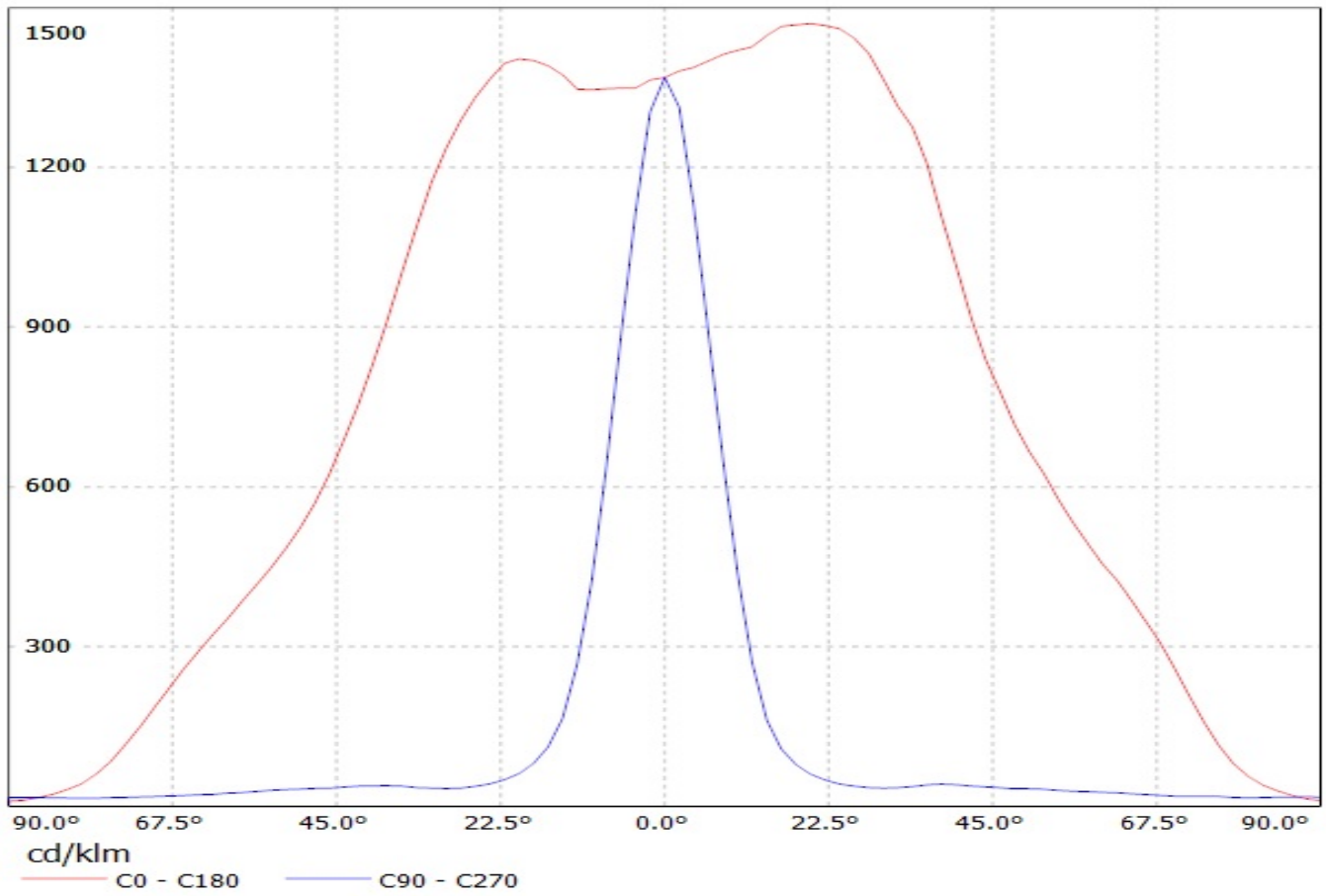
Lamps: 1 x Cree\_XP-G\_(XPGWHT-L1-CWPI-00BE7)\_67.23lm@250mA\_P=0.771066W\_I=249.9mA



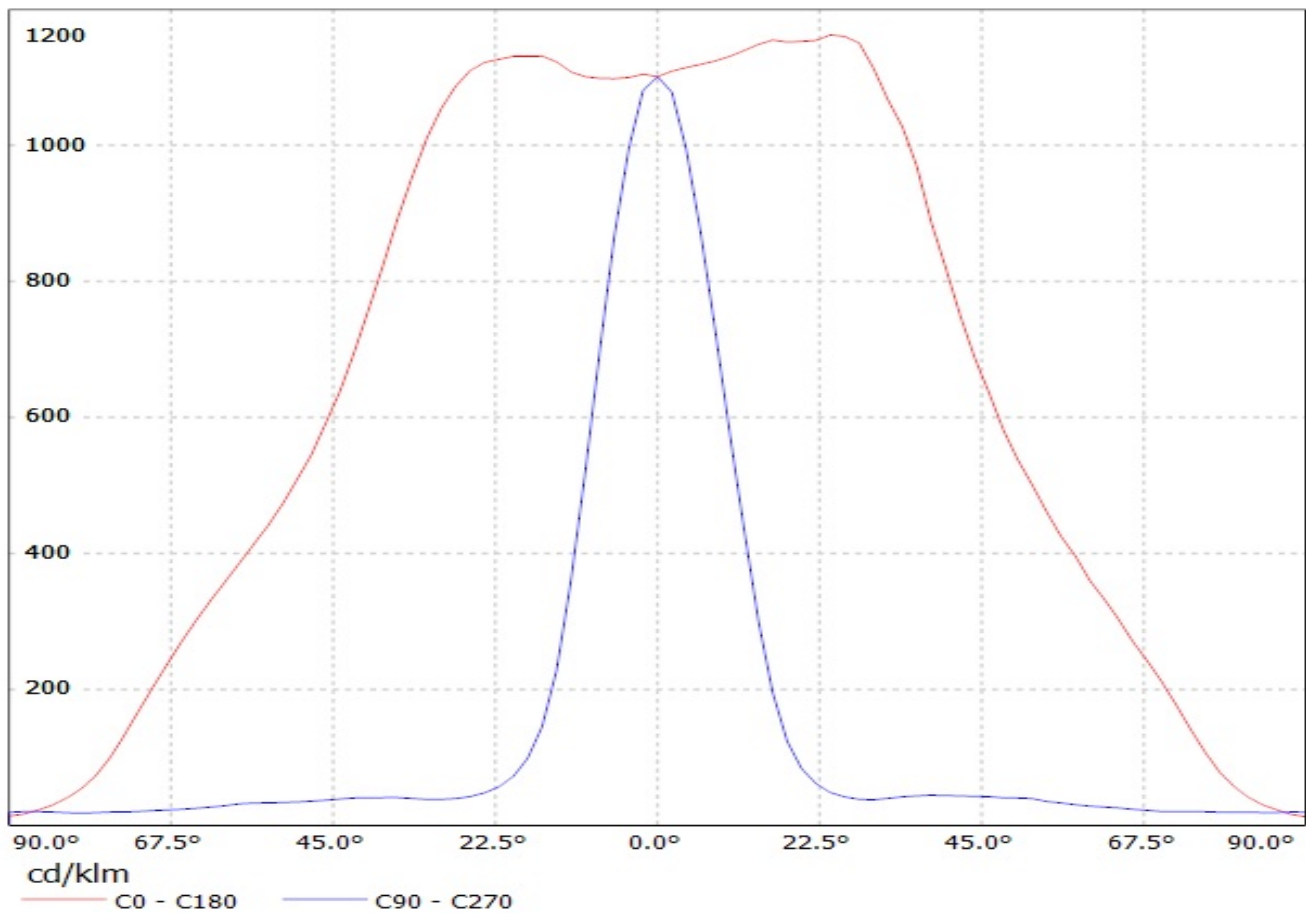
Luminaire: Ledil Oy CA13058\_FLARE-MINI-AD-PIN (Cree XT-E 98lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XT-E 98lm @ 250mA



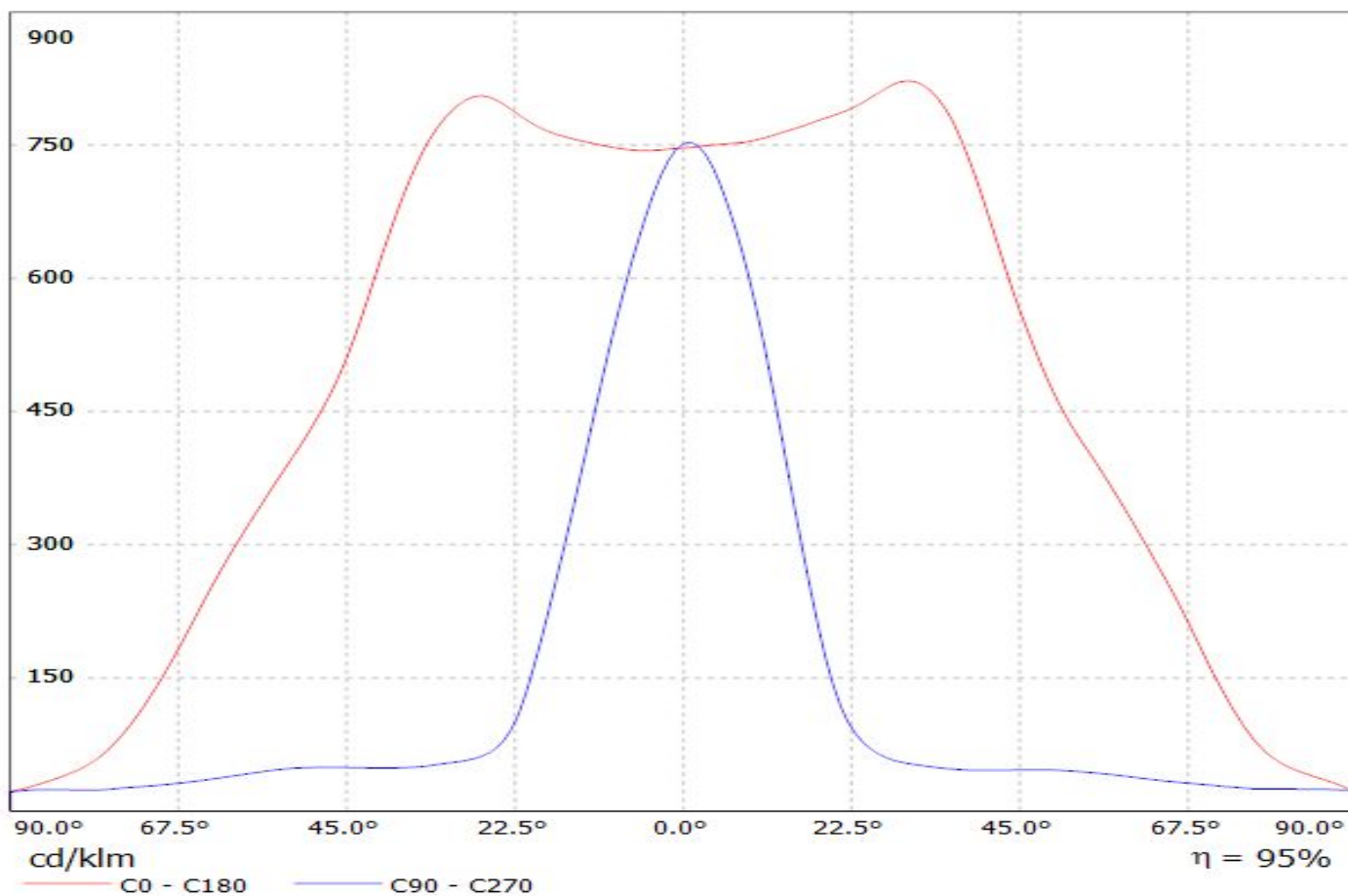
Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD (CREE XP-E2 92 lm & 250 mA) Efficiency=94%  
Lamps: 1 x CREE XP-E2 92 lm & 250 mA



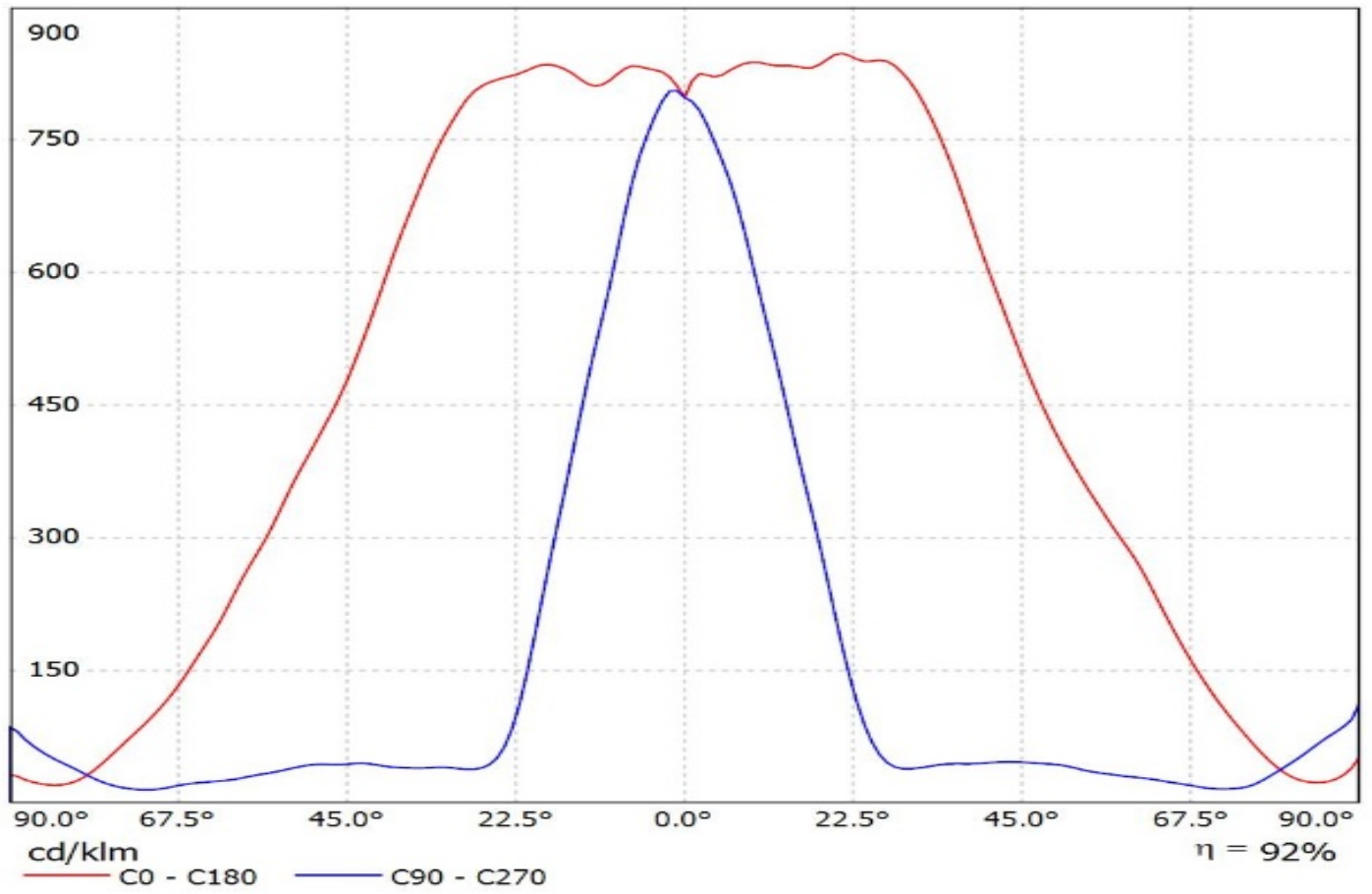
Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD (CREE XP-G2 99 lm @ 250 mA) Efficiency=94%  
Lamps: 1 x CREE XP-G2 99 lm @ 250 mA



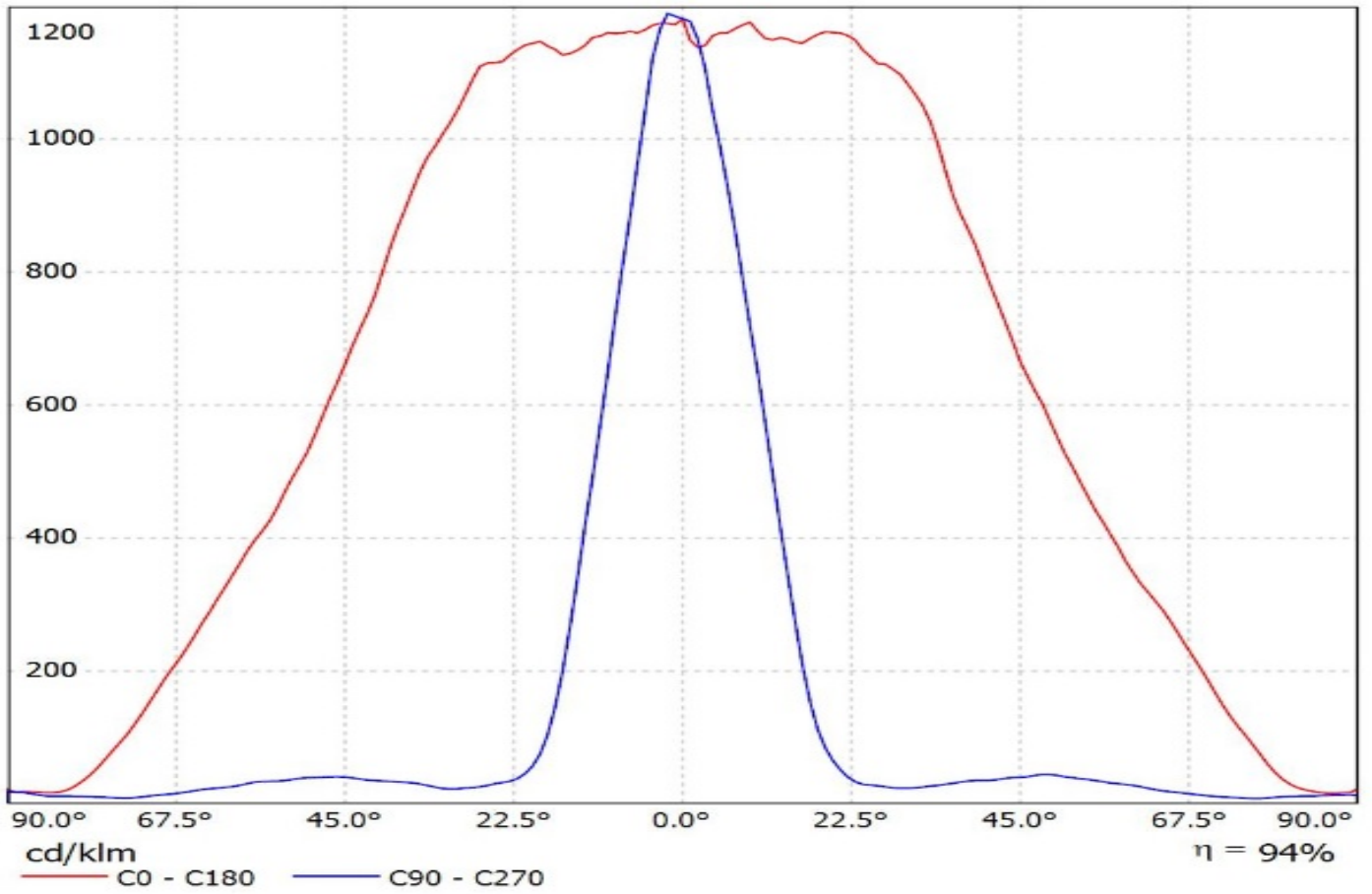
Luminaire: LEDiL Oy CA13057\_FLARE-MINI-AD\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.168lm@250mA\_P=0.73818W\_I=249.9mA



Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD\_(XHP35\_HD)\_SIMULATED  
Lamps: 1 x Cree XHP35 HD

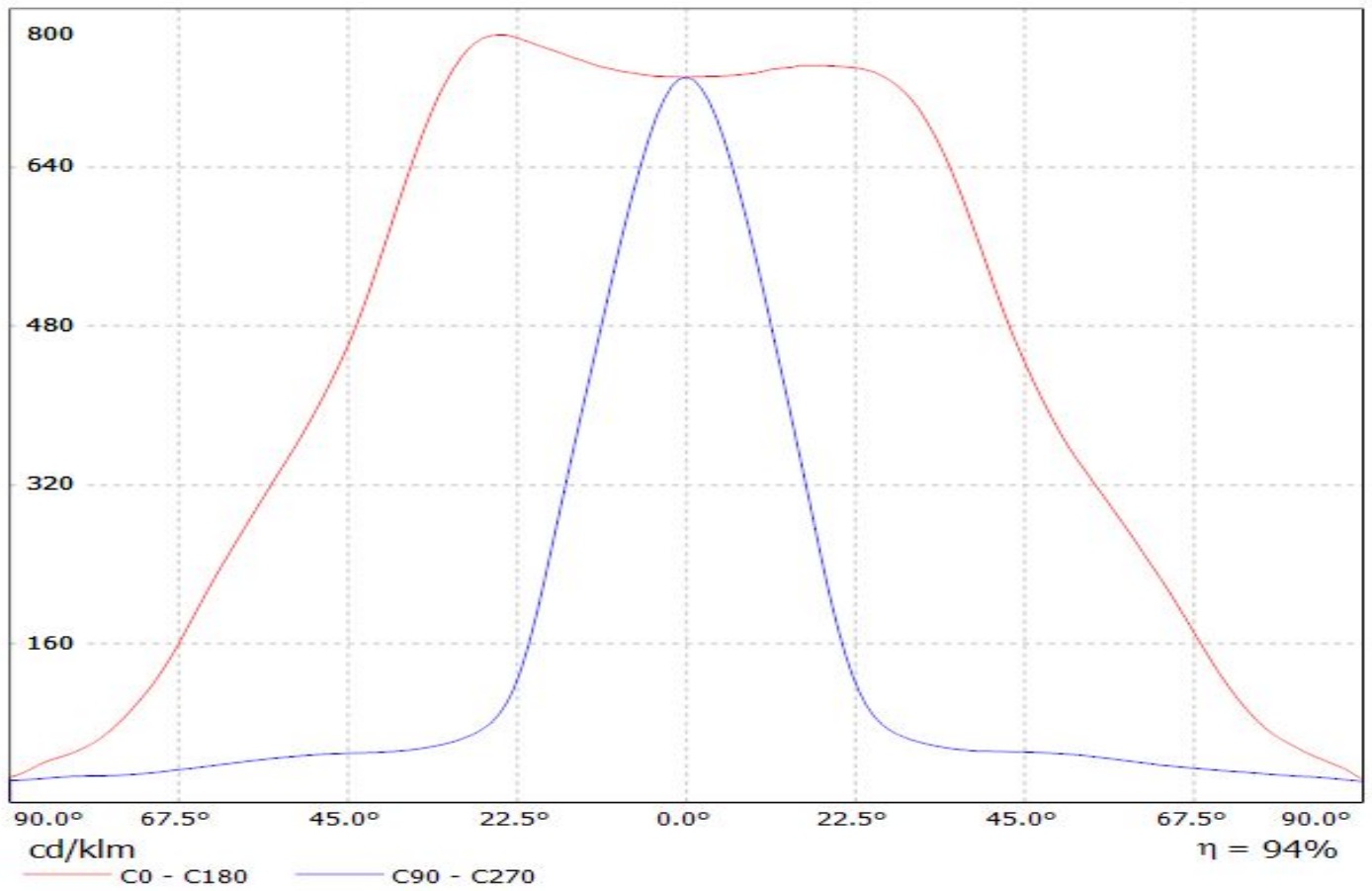


Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI



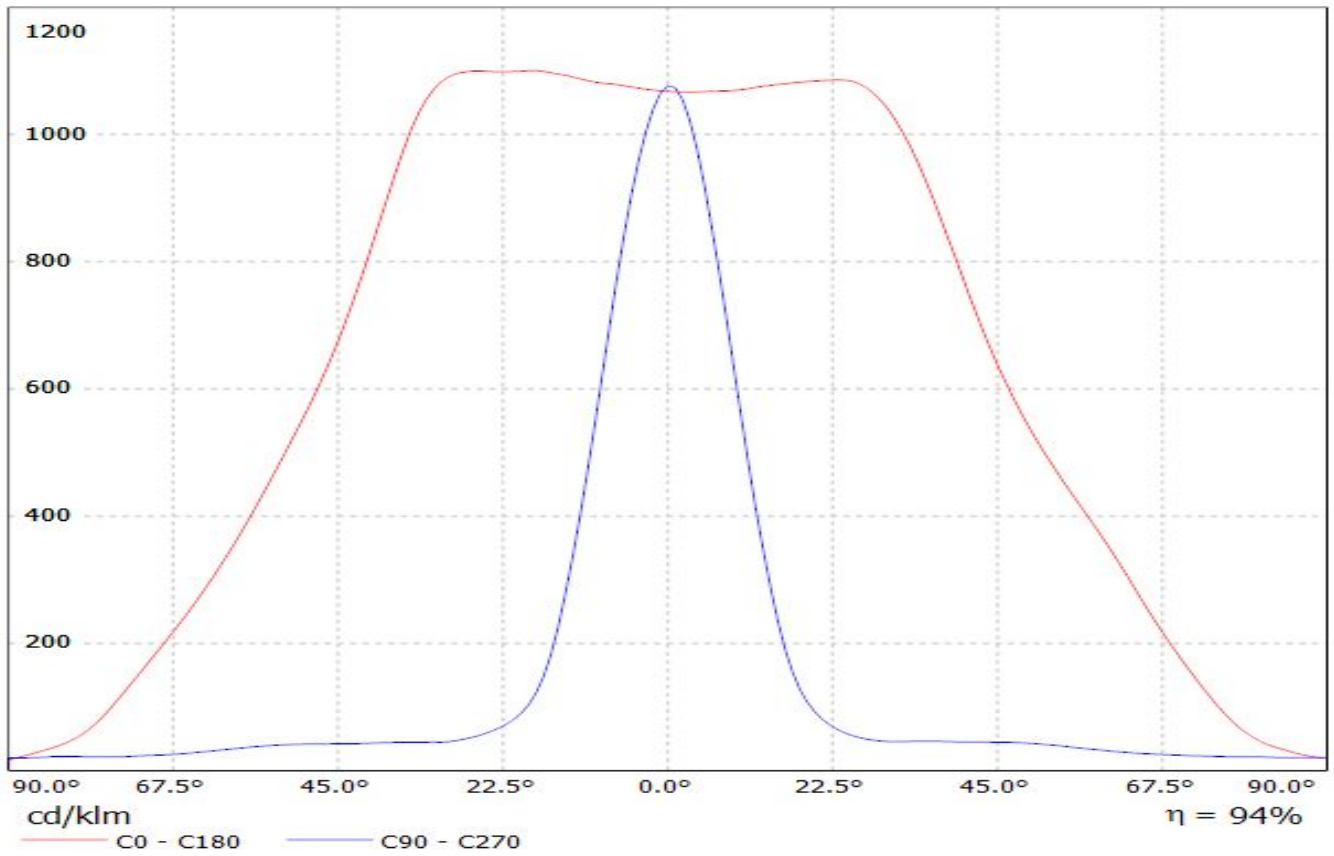
Luminaire: Ledil CA13057\_FLARE-MINI-AD\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.505lm@250mA\_P=0.72165W\_I=0.25A

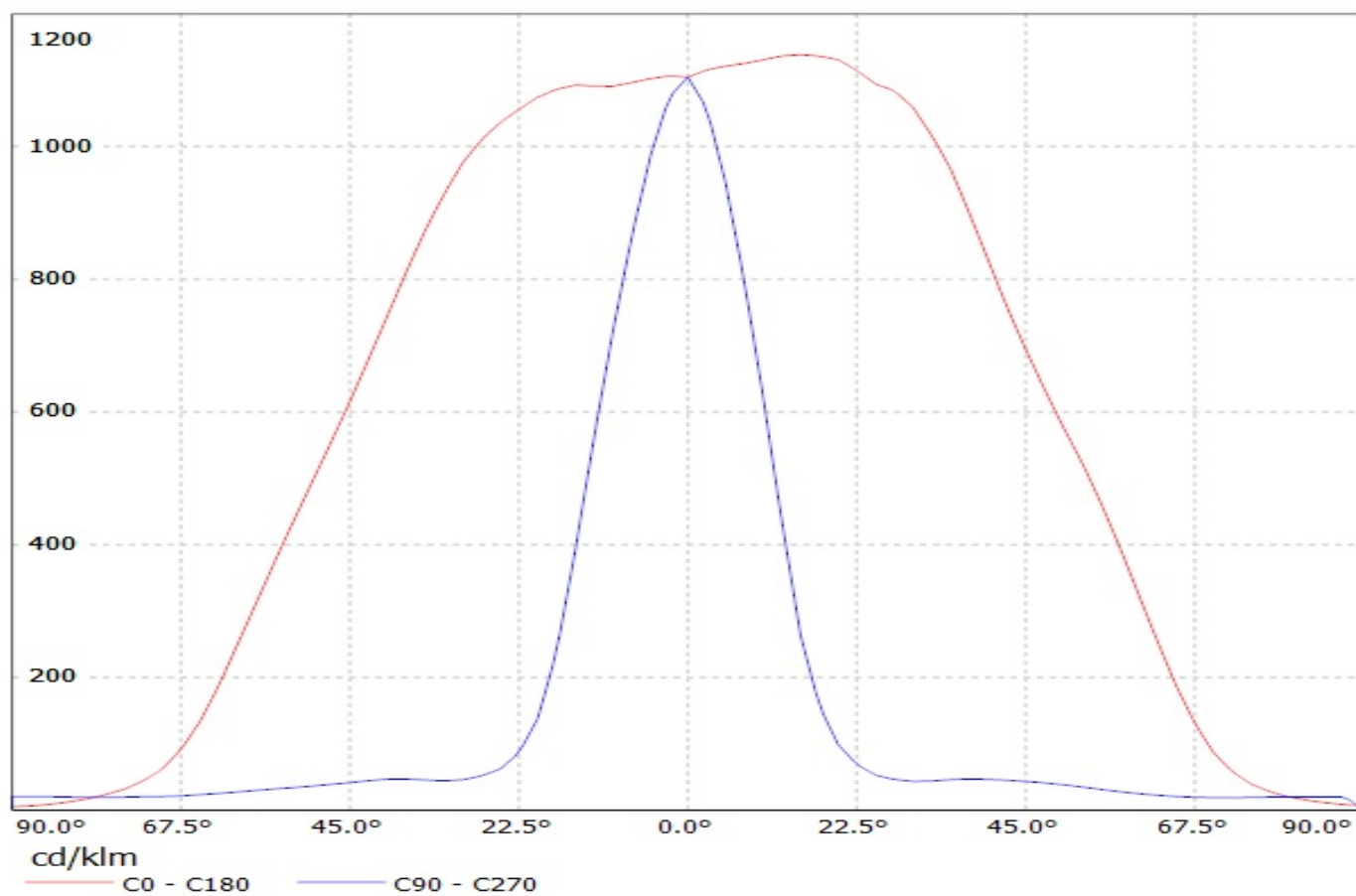




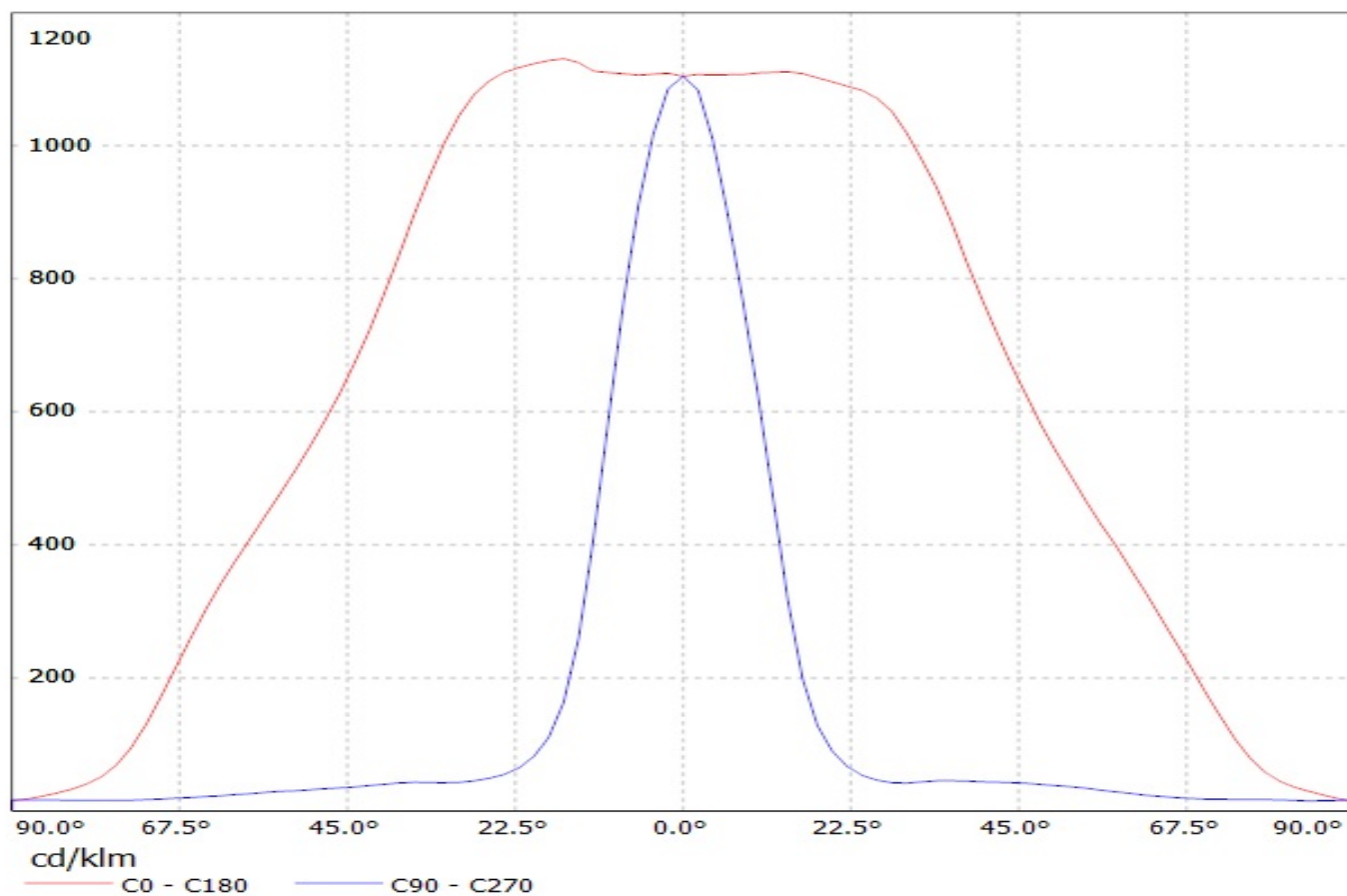
Luminaire: LEDiL Oy CA13057\_FLARE-MINI-AD\_(LG-3535-CERAMIC-GEN2) Eff.93%  
Lamps: 1 x LG-3535-CERAMIC-GEN2\_116.256lm@250mA\_P=0.754973W\_CCT=6235K\_I=249.9mA



Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD\_(LH351Z) Efficiency=94%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

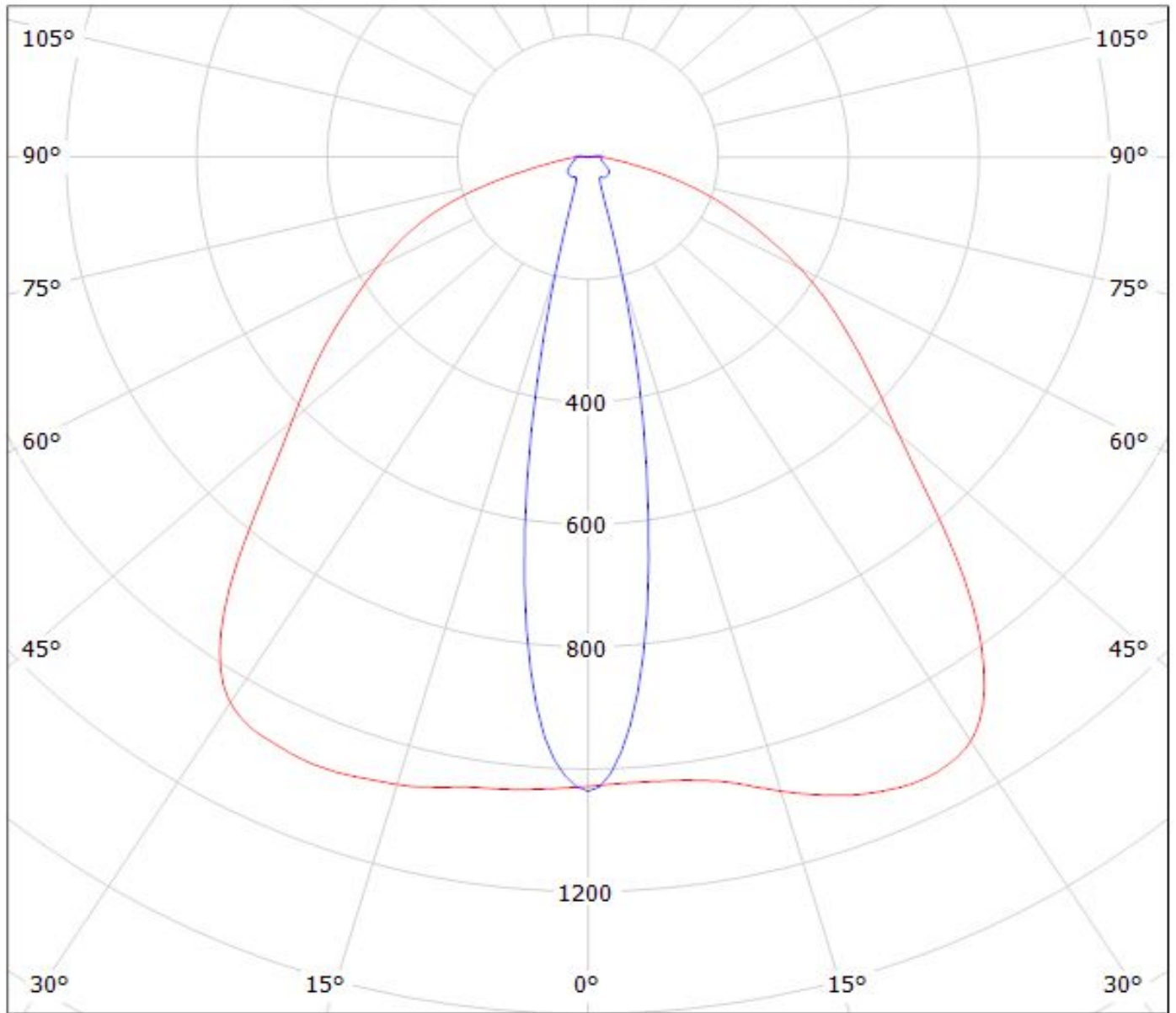


Luminaire: LEDil Oy CA13057\_FLARE-MINI-AD\_(Z5M1) Efficiency=94%  
Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



Luminaire: LEDiL Oy CA13057\_FLARE-MINI-AD\_(XP-G)

Lamps: 1 x Cree\_XP-G\_(XPGWHT-L1-CWPI-00BE7)\_67.23lm@250mA\_P=0.771066W\_I=249.9mA



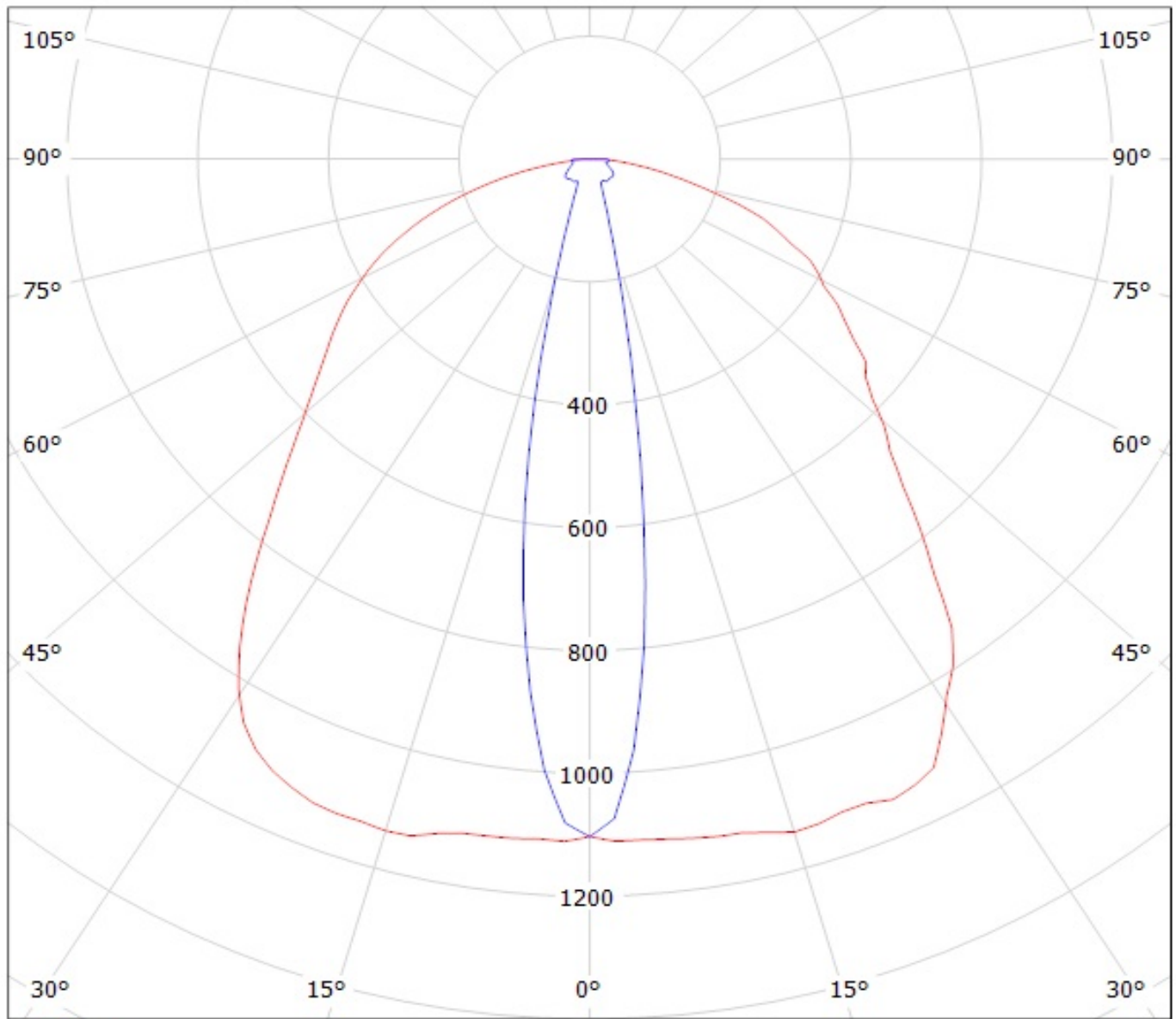
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

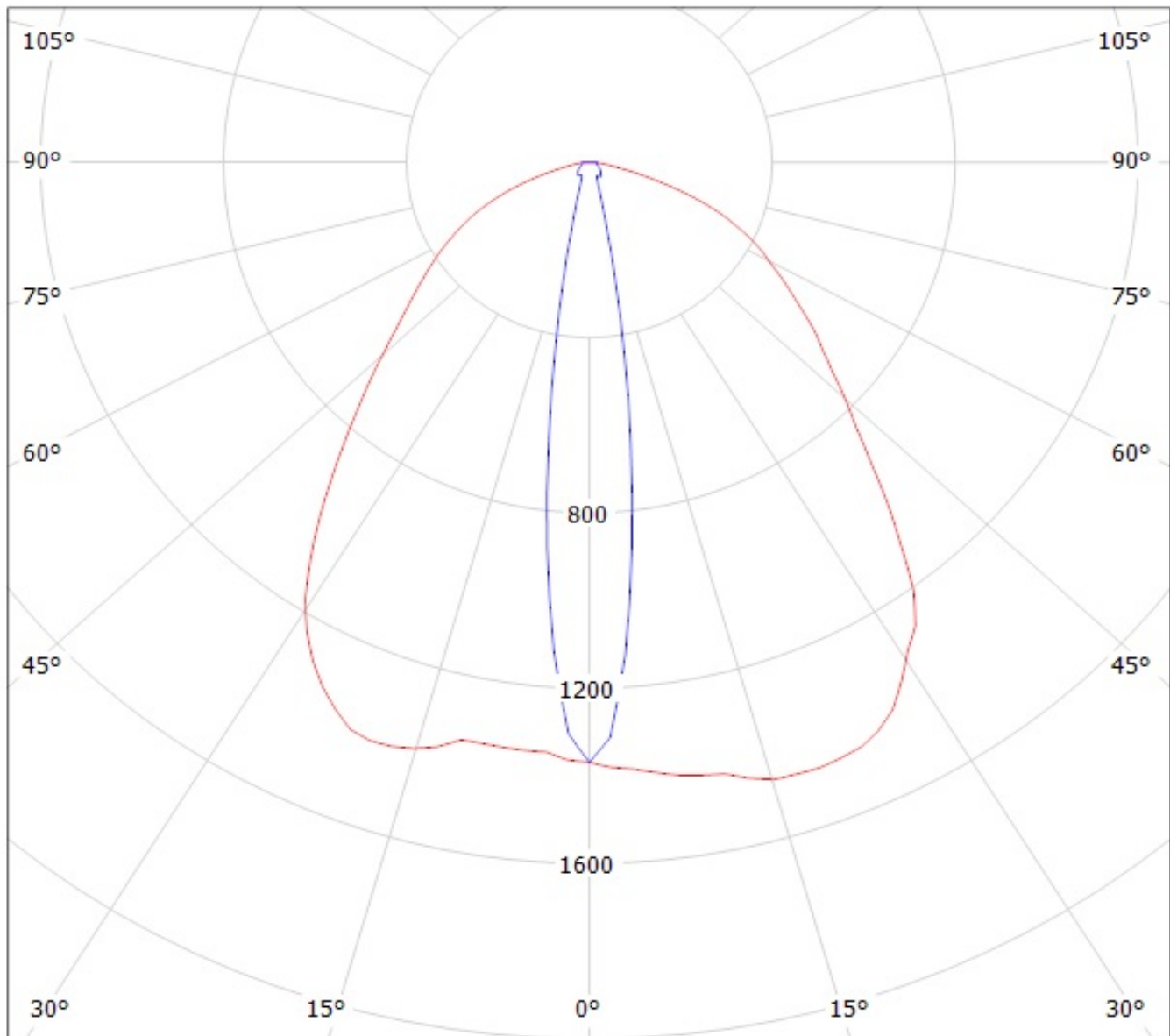
Luminaire: Ledil Oy CA13058\_FLARE-MINI-AD-PIN (Cree XT-E 98lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

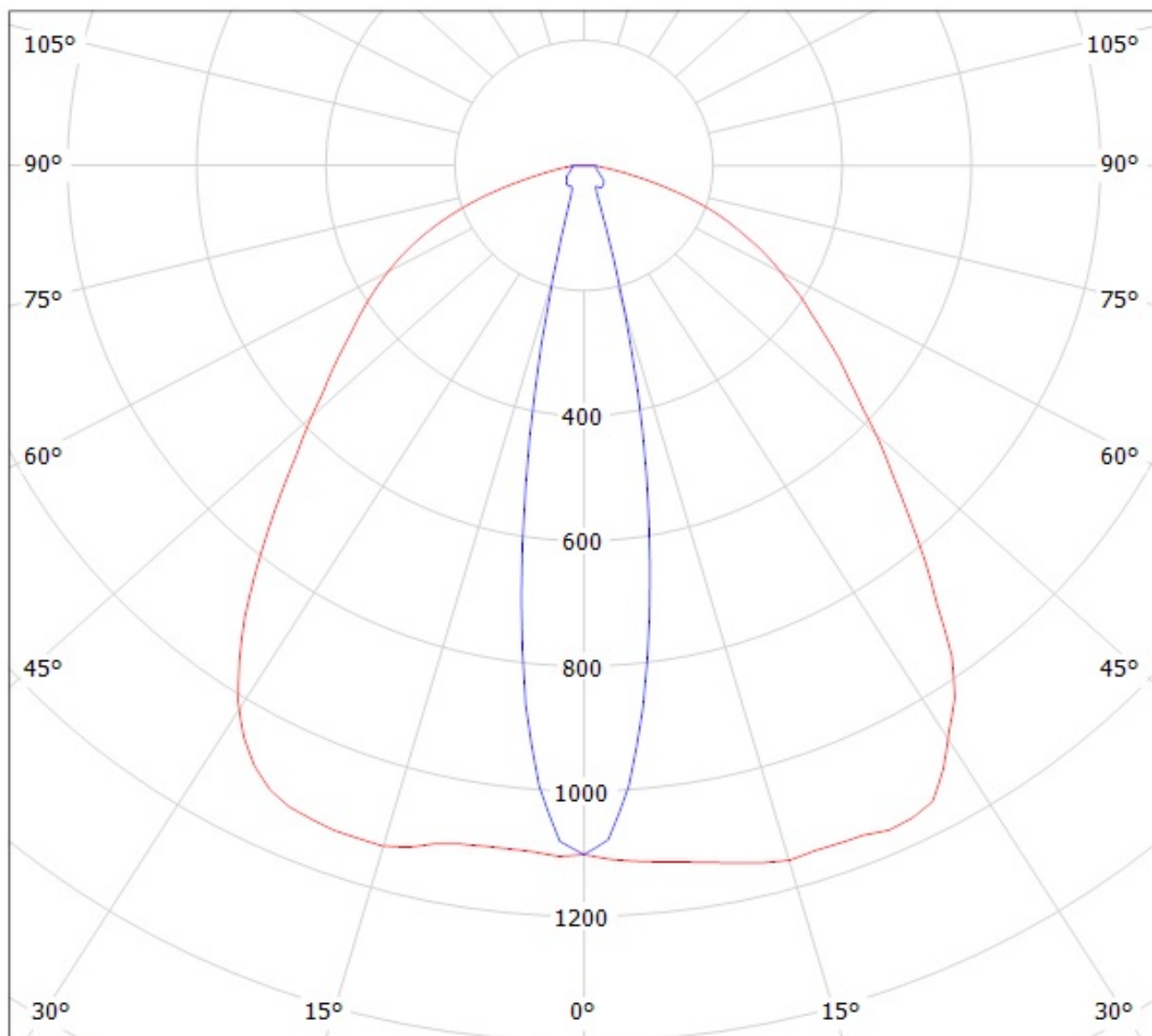
Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD (CREE XP-E2 92 lm & 250 mA) Efficiency=94%  
Lamps: 1 x CREE XP-E2 92 lm & 250 mA



cd/klm

— C0 - C180    — C90 - C270

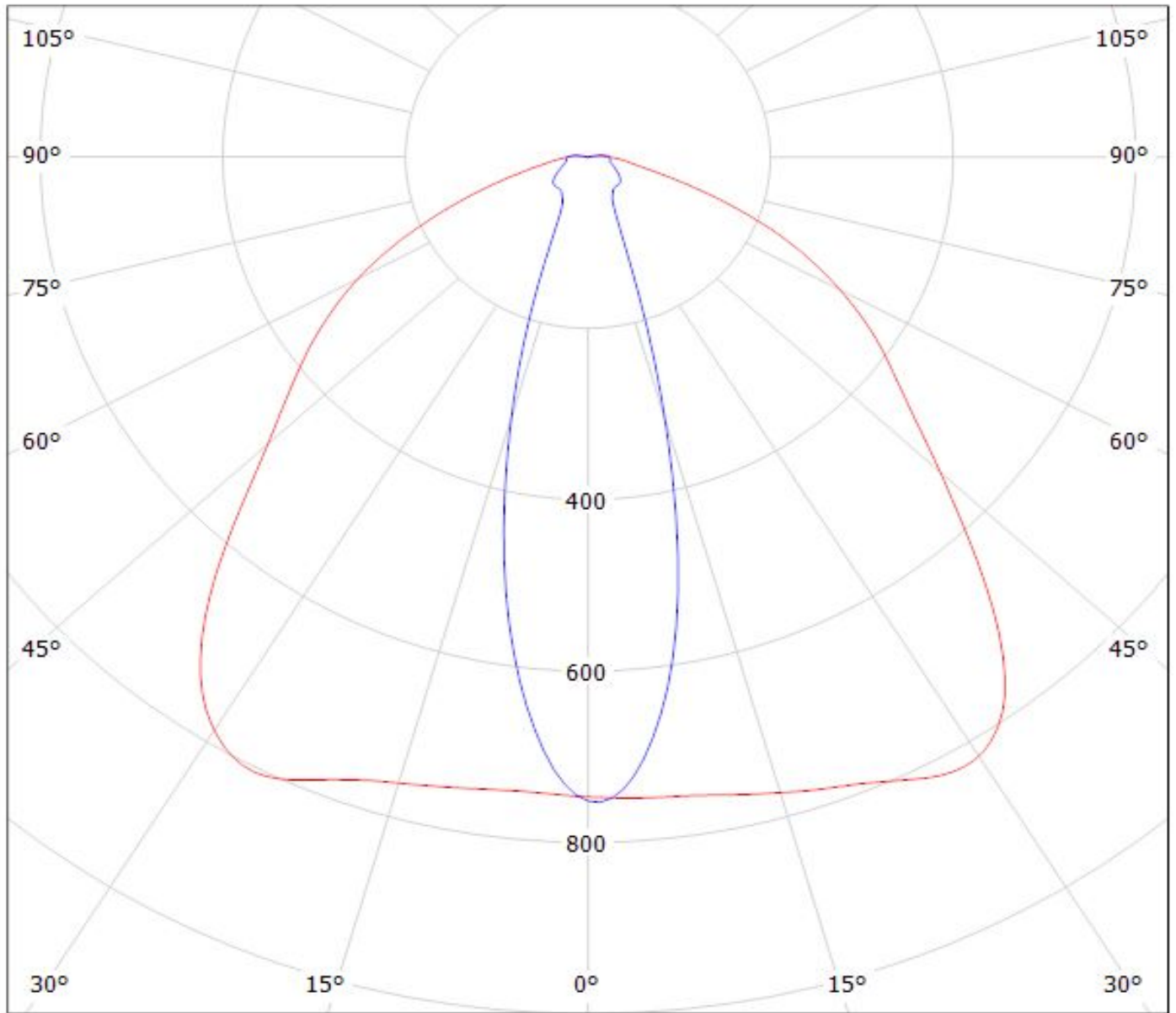
Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD (CREE XP-G2 99 lm @ 250 mA) Efficiency=94%  
Lamps: 1 x CREE XP-G2 99 lm @ 250 mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CA13057\_FLARE-MINI-AD\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.168lm@250mA\_P=0.73818W\_I=249.9mA



cd/klm

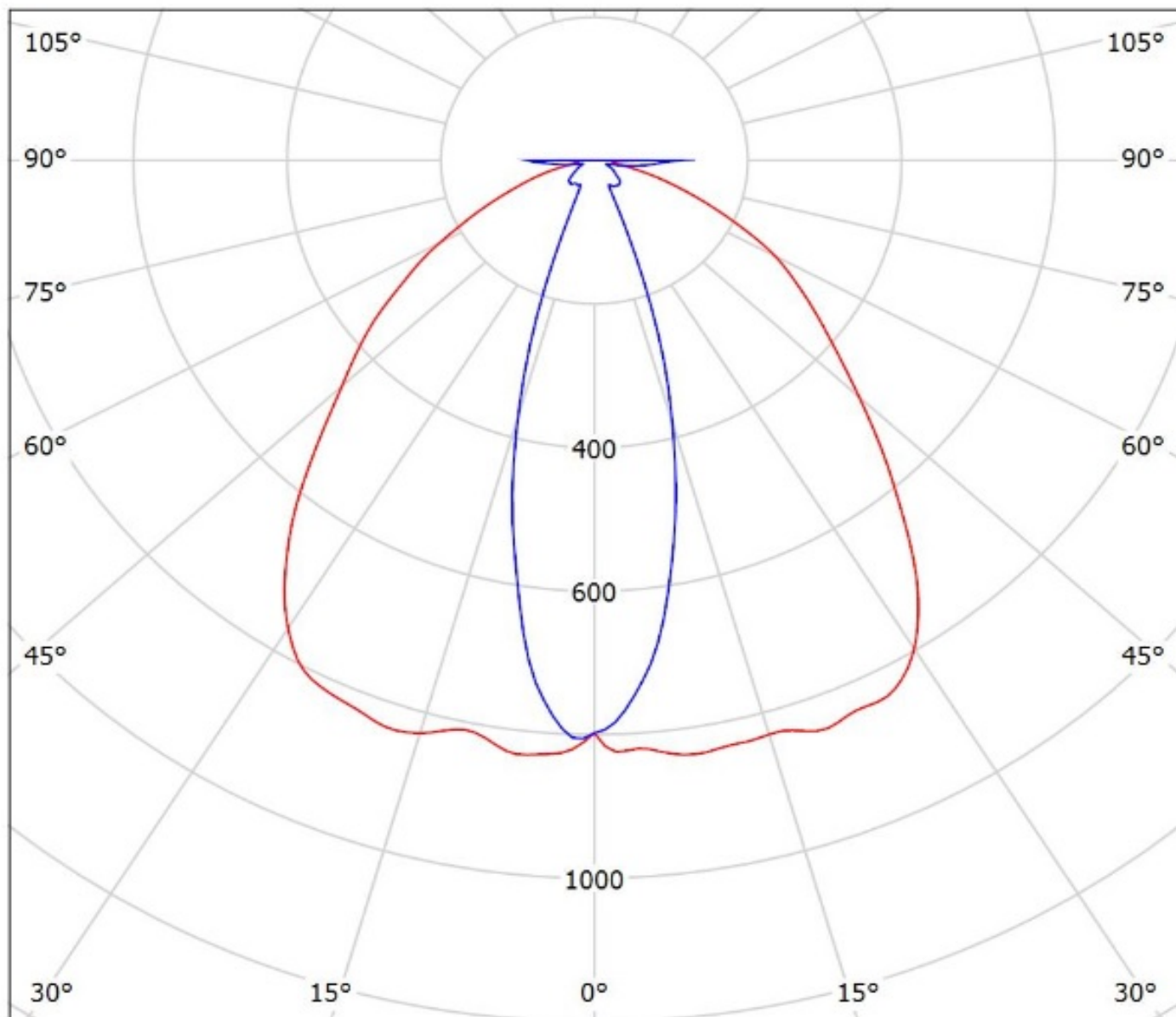
— C0 - C180

— C90 - C270

$\eta = 95\%$



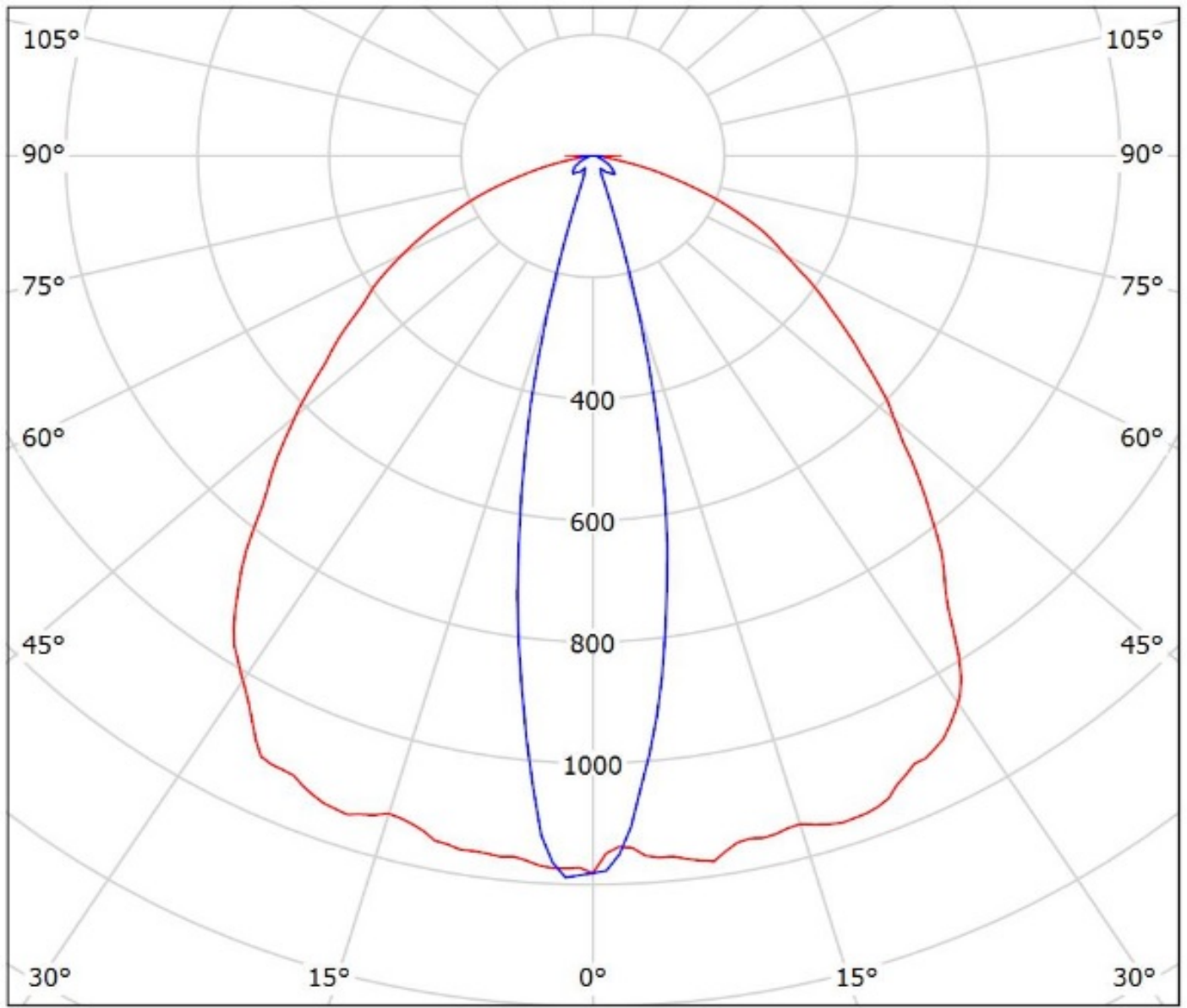
Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD\_(XHP35\_HD)\_SIMULATED  
Lamps: 1 x Cree XHP35 HD



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CA13057\_FLARE-MINI-AD\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI

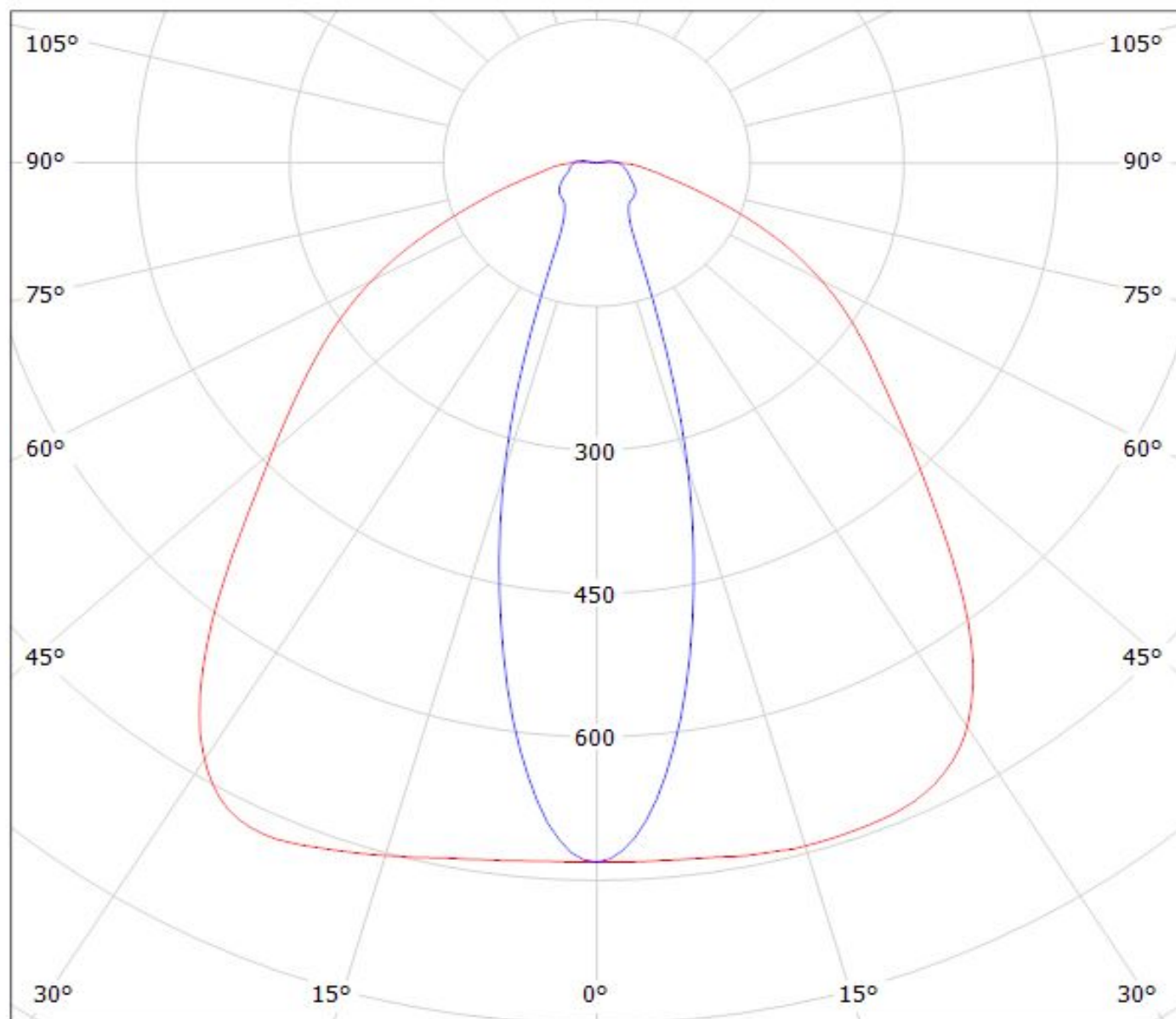


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil CA13057\_FLARE-MINI-AD\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.505lm@250mA\_P=0.72165W\_I=0.25A

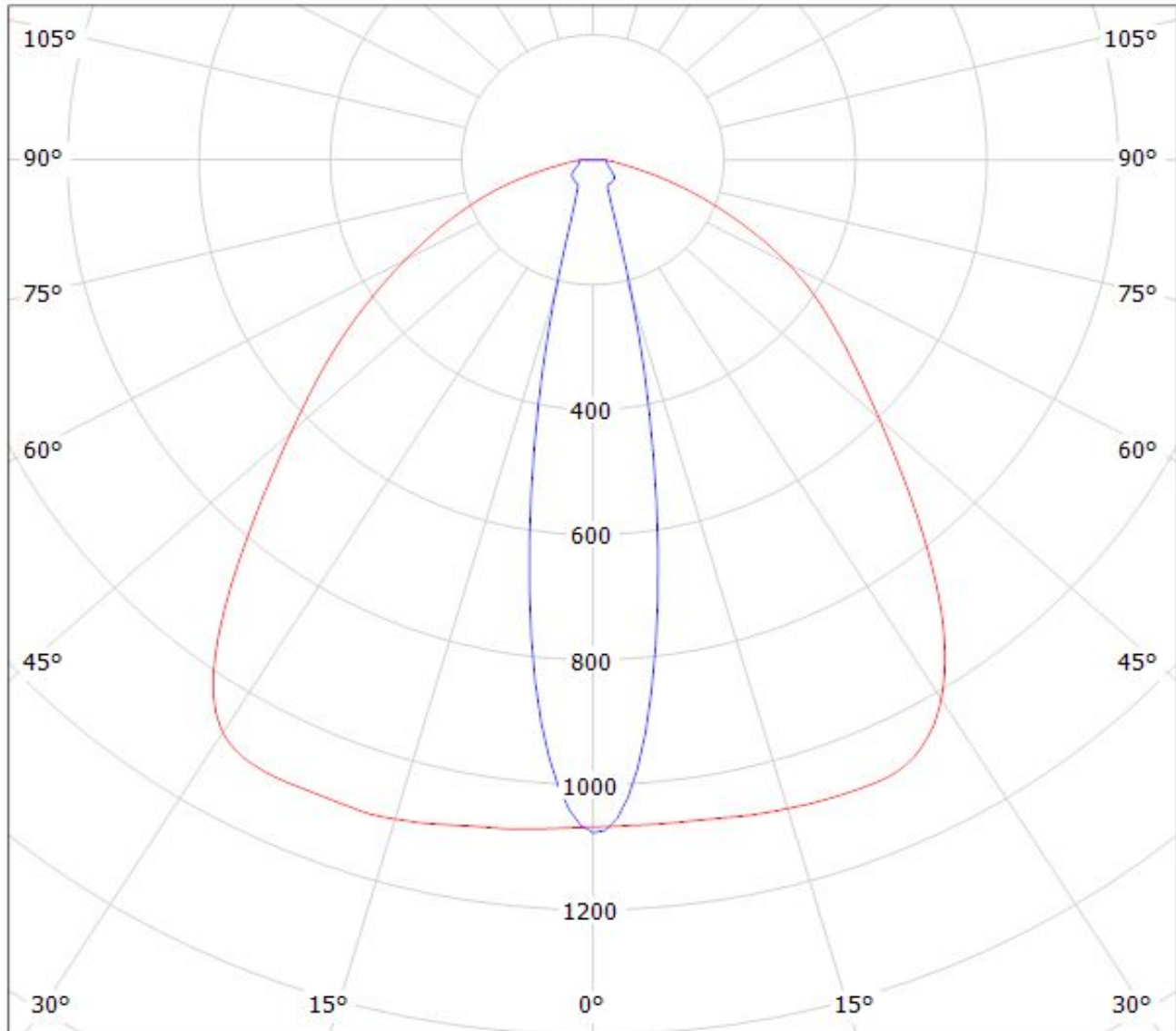


cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

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

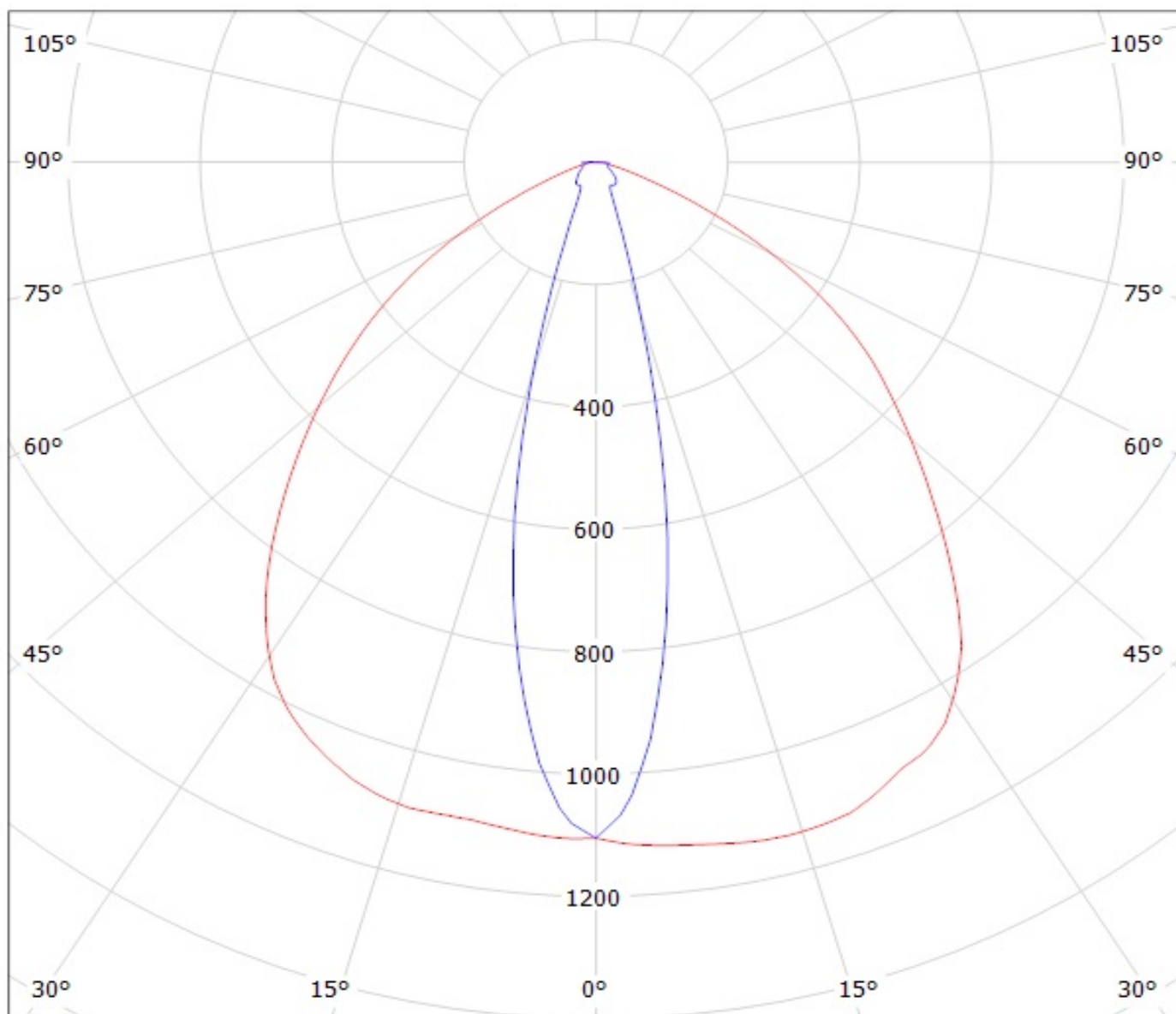


cd/klm

$\eta = 94\%$

— C0 - C180    — C90 - C270

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



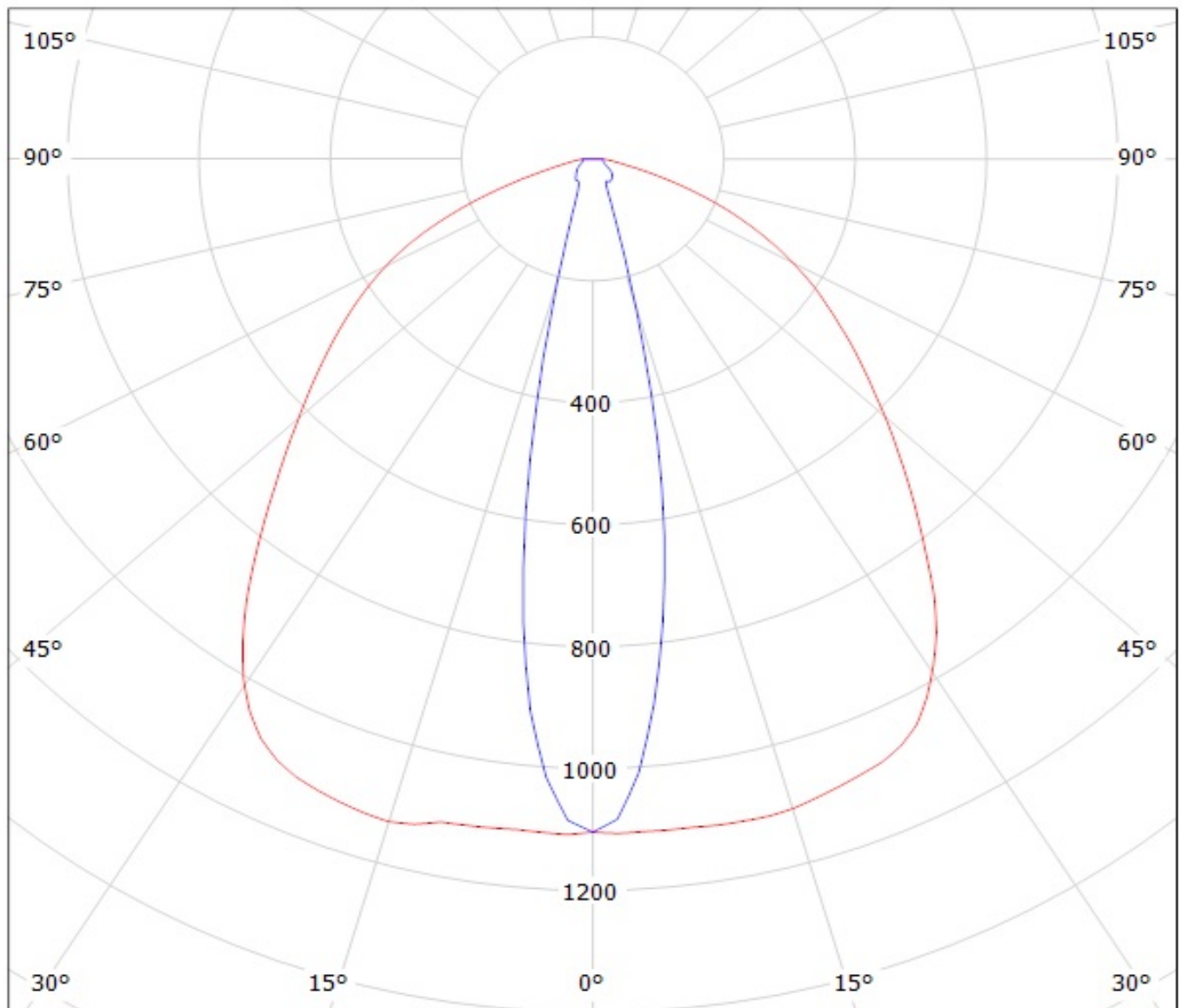
cd/klm

— C0 - C180

— C90 - C270

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



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.**