

DETAILS

Product Number	CA12764_FLARE-MINI-A
Family	Flare
Type	Assembly
Color	clear
Diameter	16 mm
Height	9,1 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape
Status	production ready
ROHS Compliant	Yes
Date Updated	5/10/2015

OPTICAL PROPERTIES

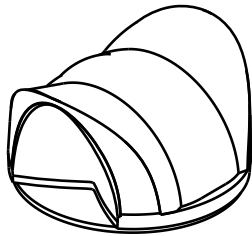
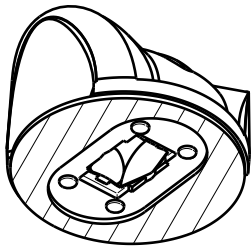
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
XP-E	113+20 deg	REC-class	94 %	0.900	-
XB-D	130+21 deg	REC-class	94 %	0.800	-
XP-G	114+22 deg	REC-class	94 %	0.800	-
XT-E	124+22 deg	REC-class	94 %	0.700	-
XP-E2	92+12 deg	REC-class	94 %	2.000	-
XP-G2	94+19 deg	REC-class	94 %	1.300	-
XP-L	114+25 deg	REC-class	91 %	0.790	-
XHP35 HD	sim: 31+96	REC-class	sim: 93 %	sim: 0.890	-
XHP35 HI	sim: 20+92	REC-class	sim: 94 %	sim: 1.300	-
XP-L2	100+28 deg	REC-class	94 %	0.840	-
H35C1 (LEMWA33)	96+18 deg	REC-class	94 %	1.320	-
LUXEON Rebel ES	110+19 deg	REC-class	94 %	0.900	-
LUXEON C	sim: 11+84	REC-class	sim: 92 %	sim: 1.600	-
NCSxx19A	112+20 deg	REC-class	94 %	0.900	-
NCSxx19B	95+15 deg	REC-class	94 %	1.600	-
Oslon Square PC	116+22 deg	REC-class	94 %	0.800	-
Oslon SSL 80	84+12 deg	REC-class	93 %	2.000	-
Oslon SSL 150	106+11 deg	REC-class	93 %	1.700	-
LH351Z	95+19 deg	REC-class	94 %	1.500	-



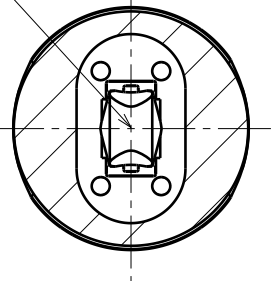
D C B A

4

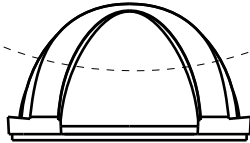
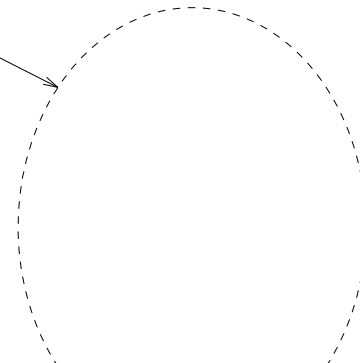
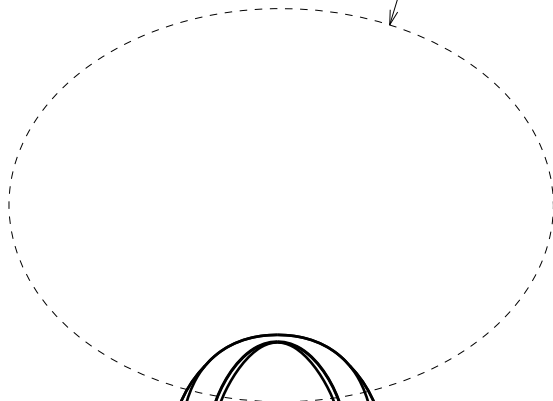
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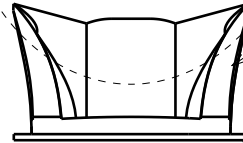
Led center position



Beam direction



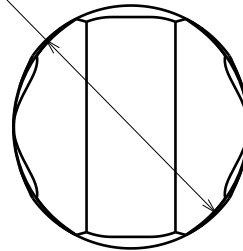
9.1



Lens

Tape 0.4mm

Ø16



3

3

2

2

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-A Assy

DRAWN BY

jk

DATE

20151005

CHECKED BY

DATE

SIZE

A4

DRAWING NUMBER

CA12764

REV

DESIGNED BY

pl

DATE

27.02.2012

SCALE

2:1

WEIGHT 1,2 g

SHEET

1/1

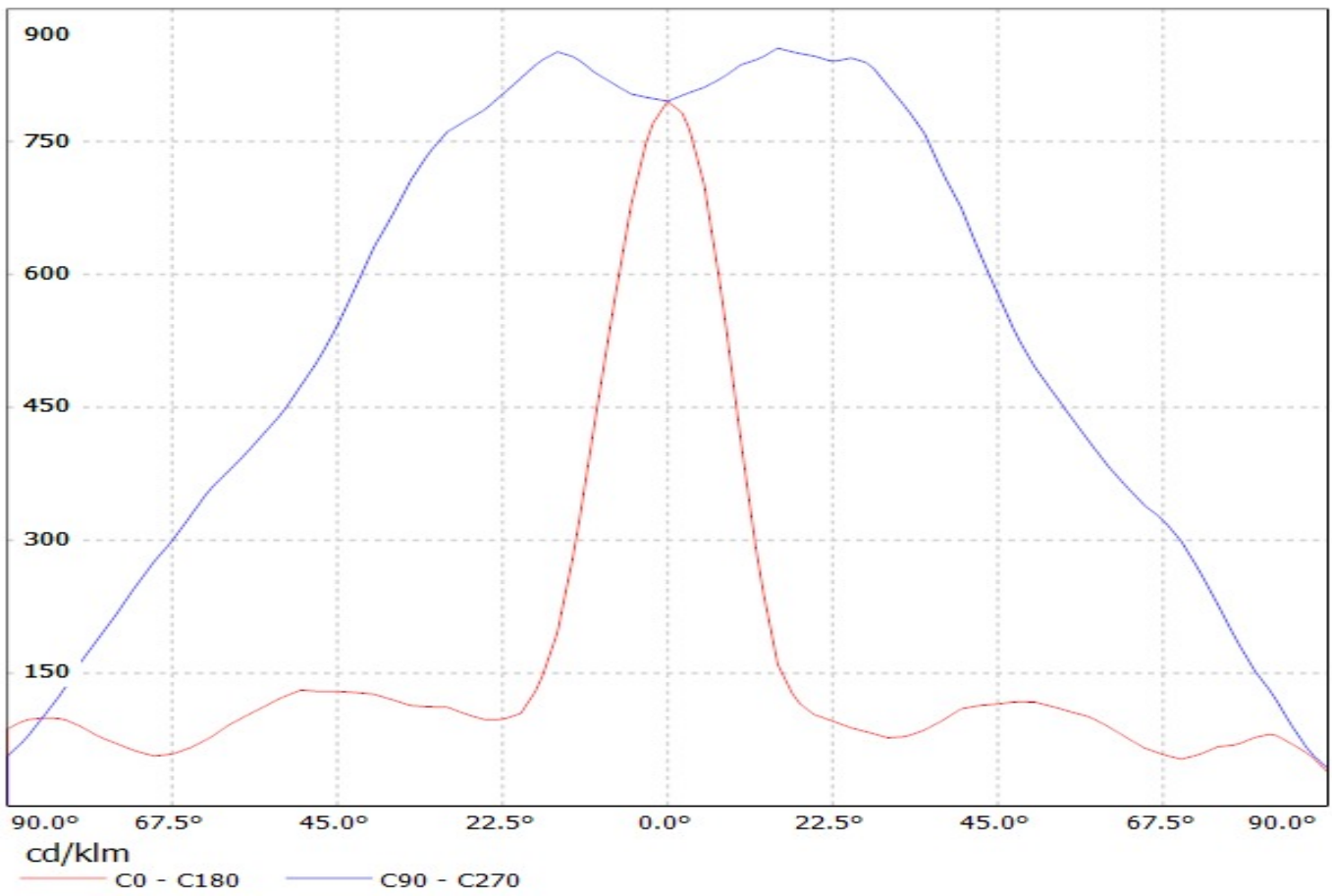
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1

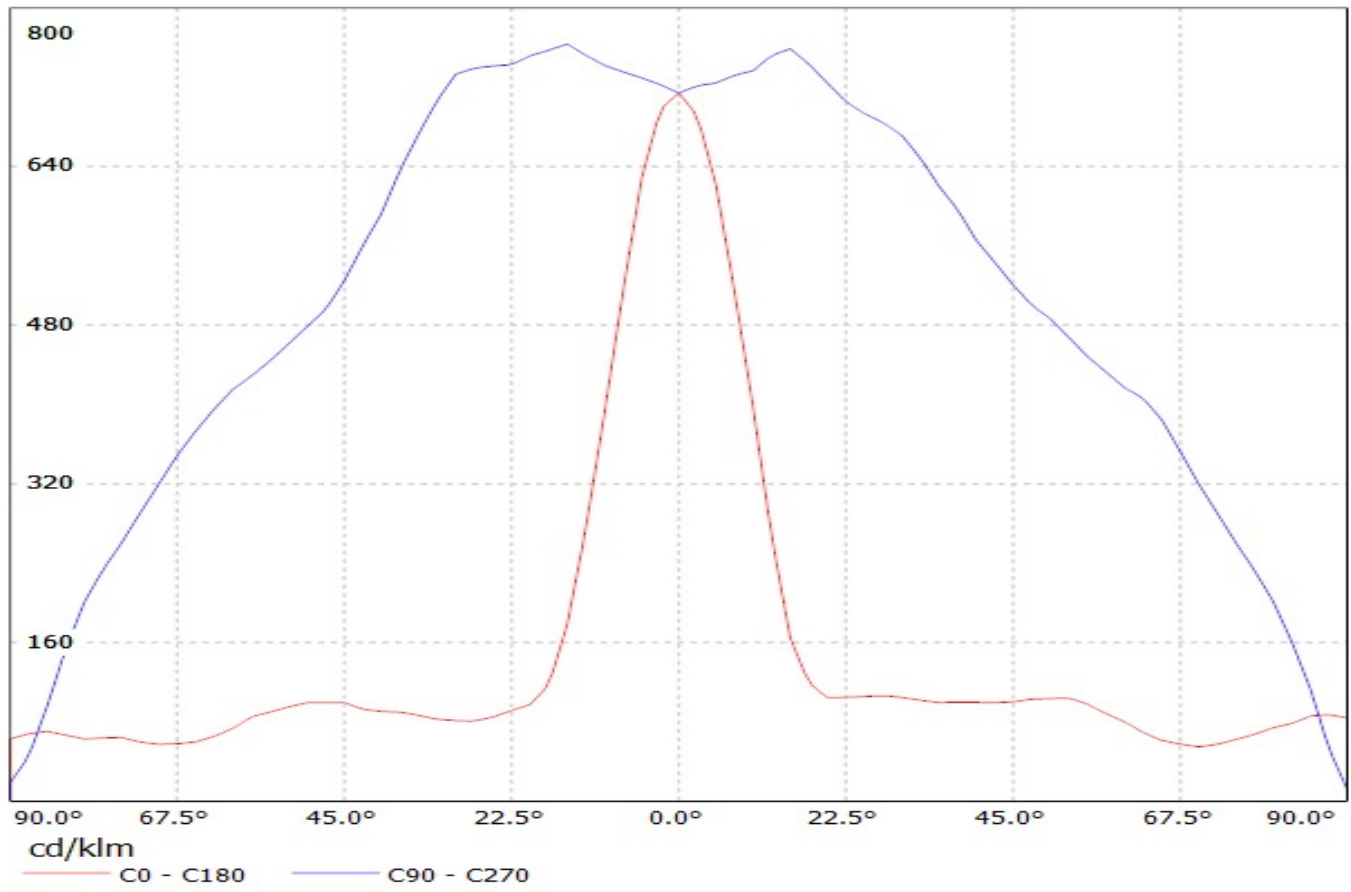
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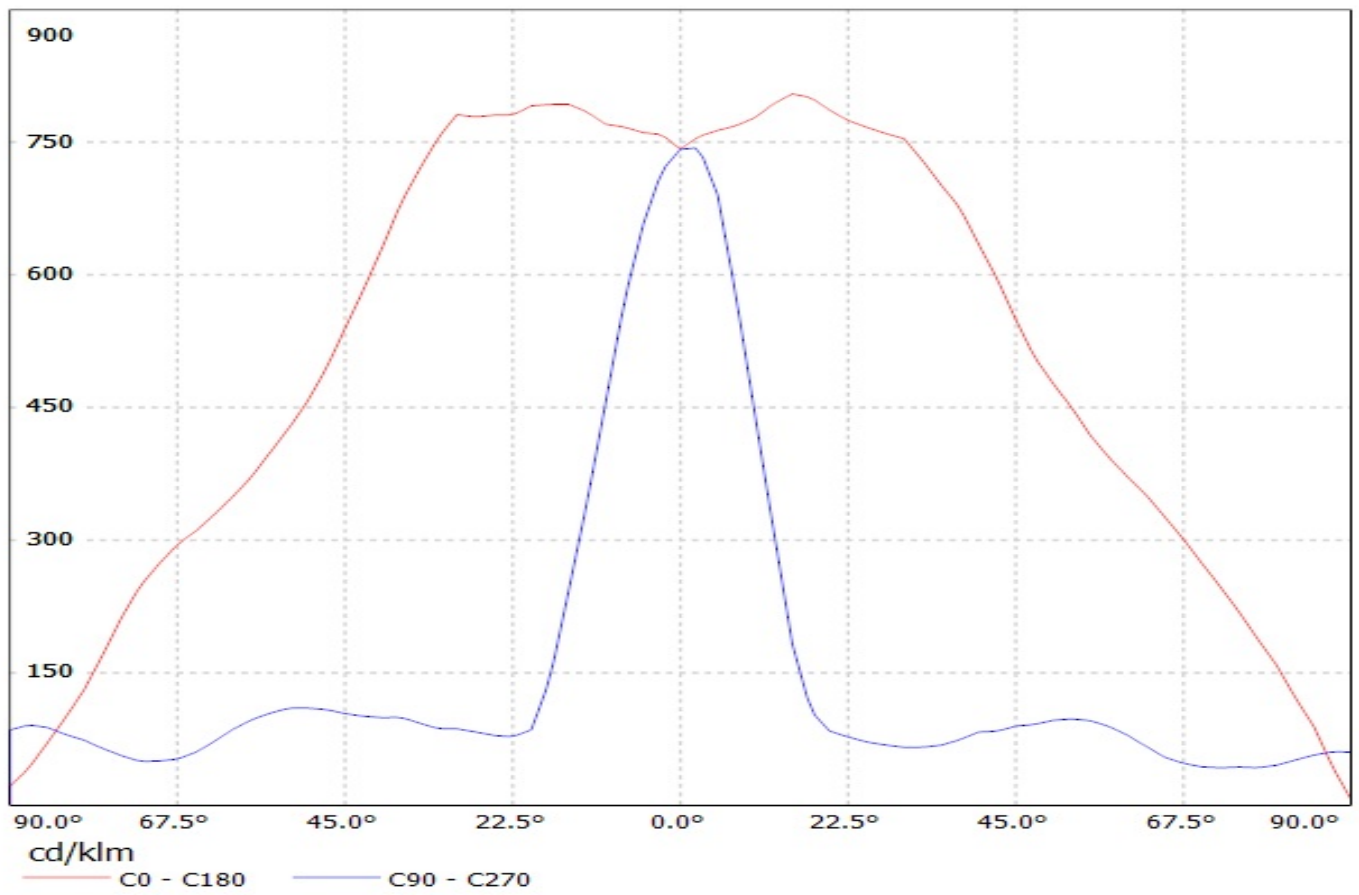
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XP-E 76lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-E 76lm @ 250mA



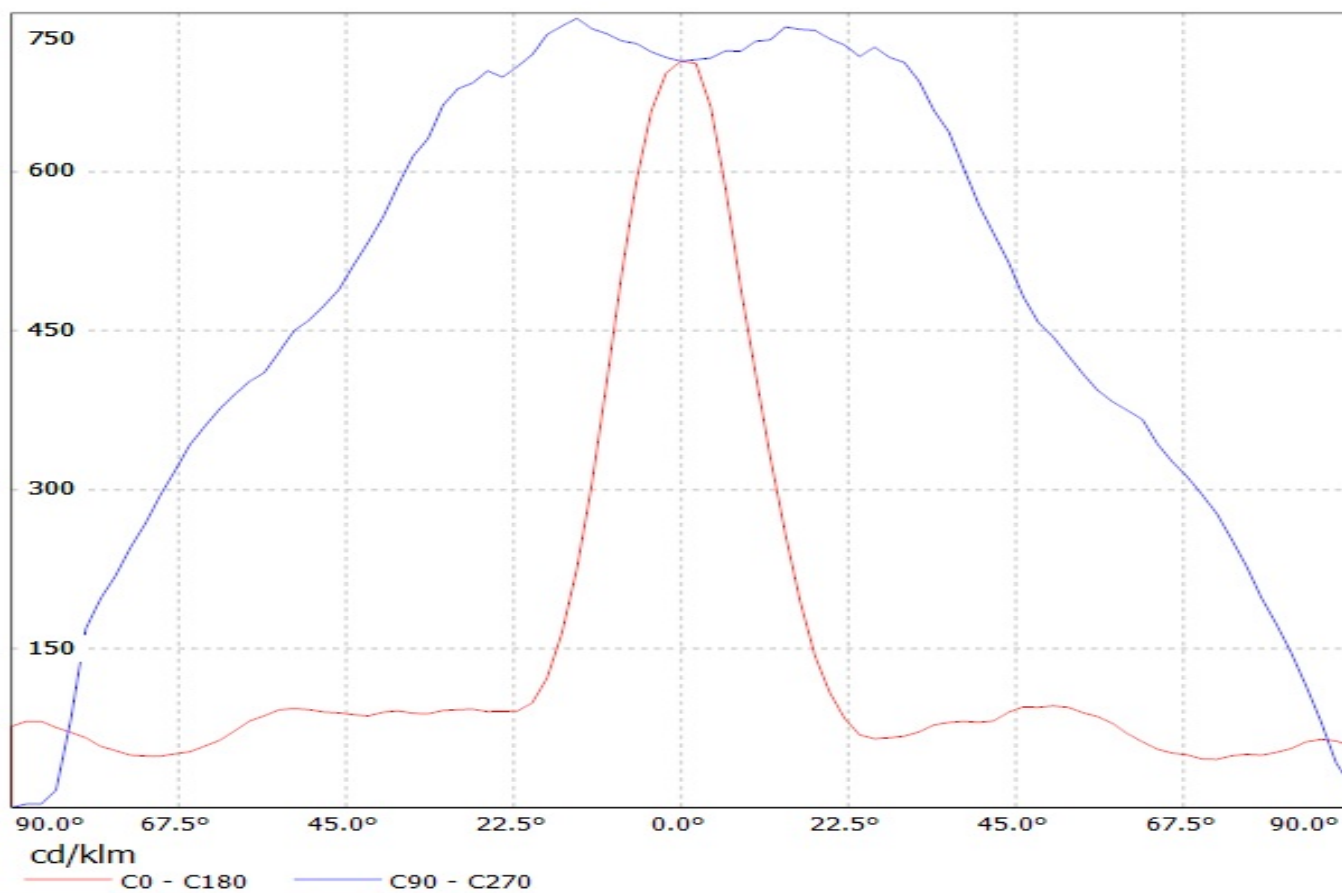
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%
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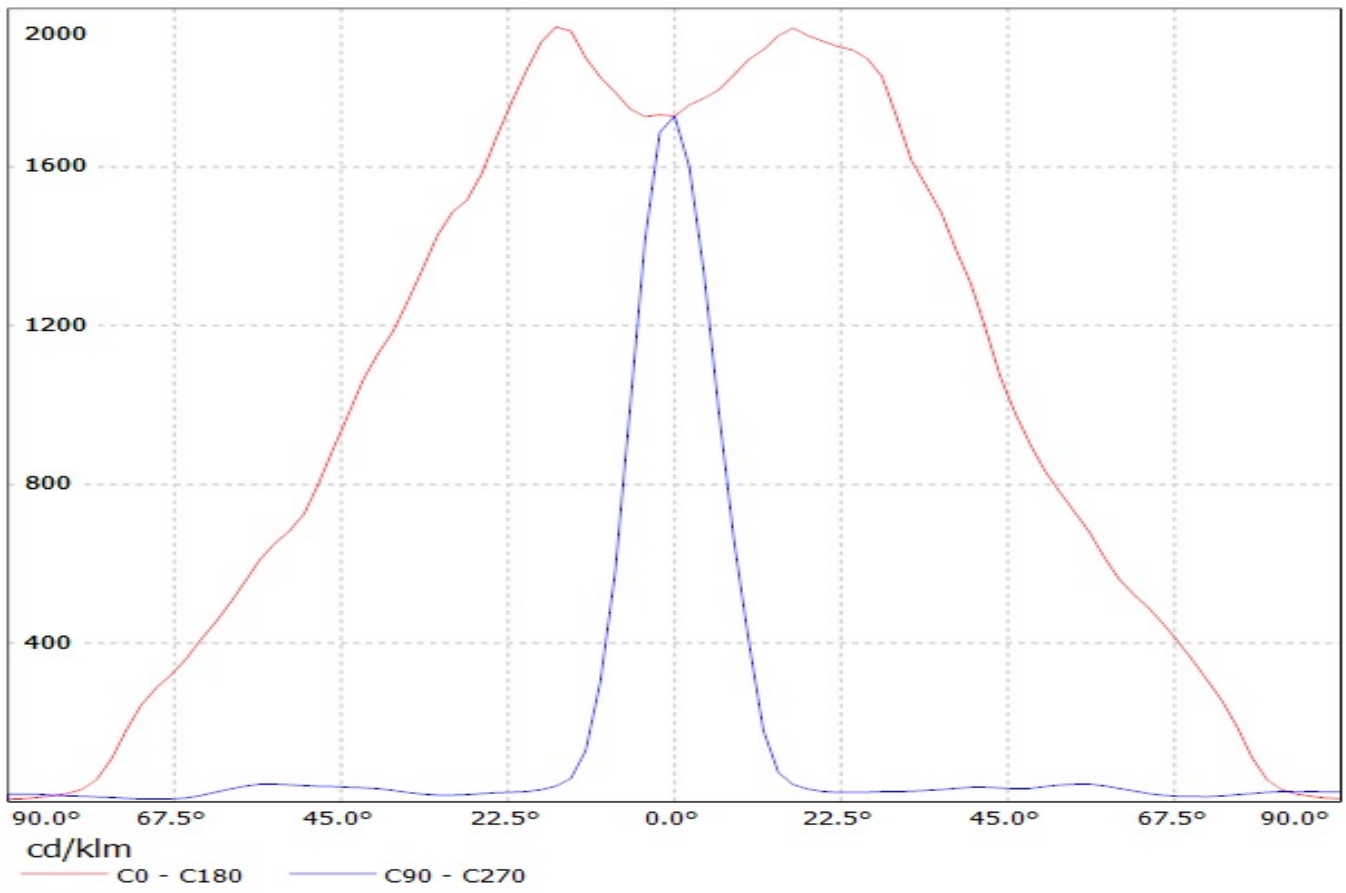
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XP-G 87lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G 87lm @ 250mA



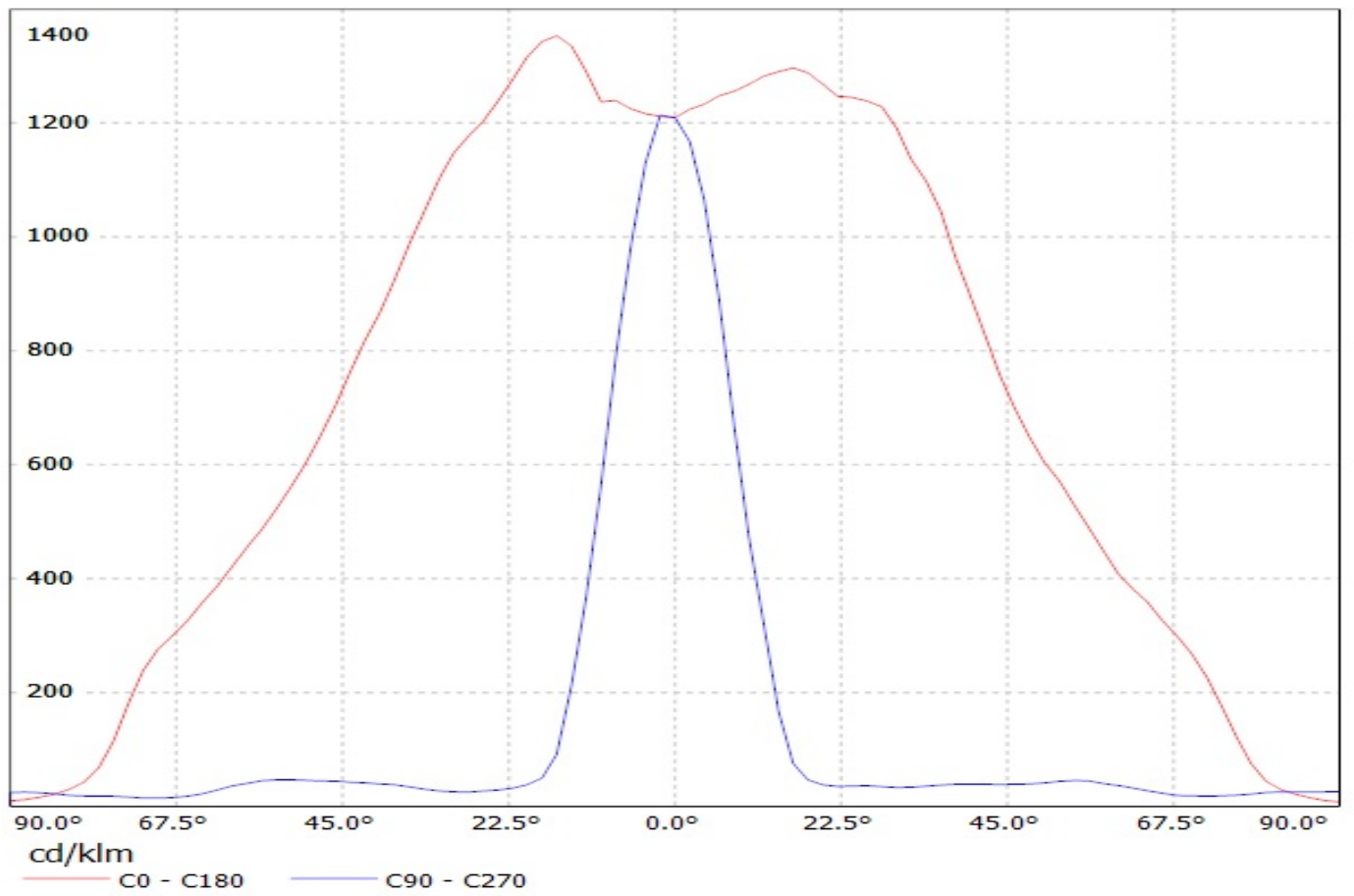
Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Cree XT-E 86lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 86lm @ 250mA



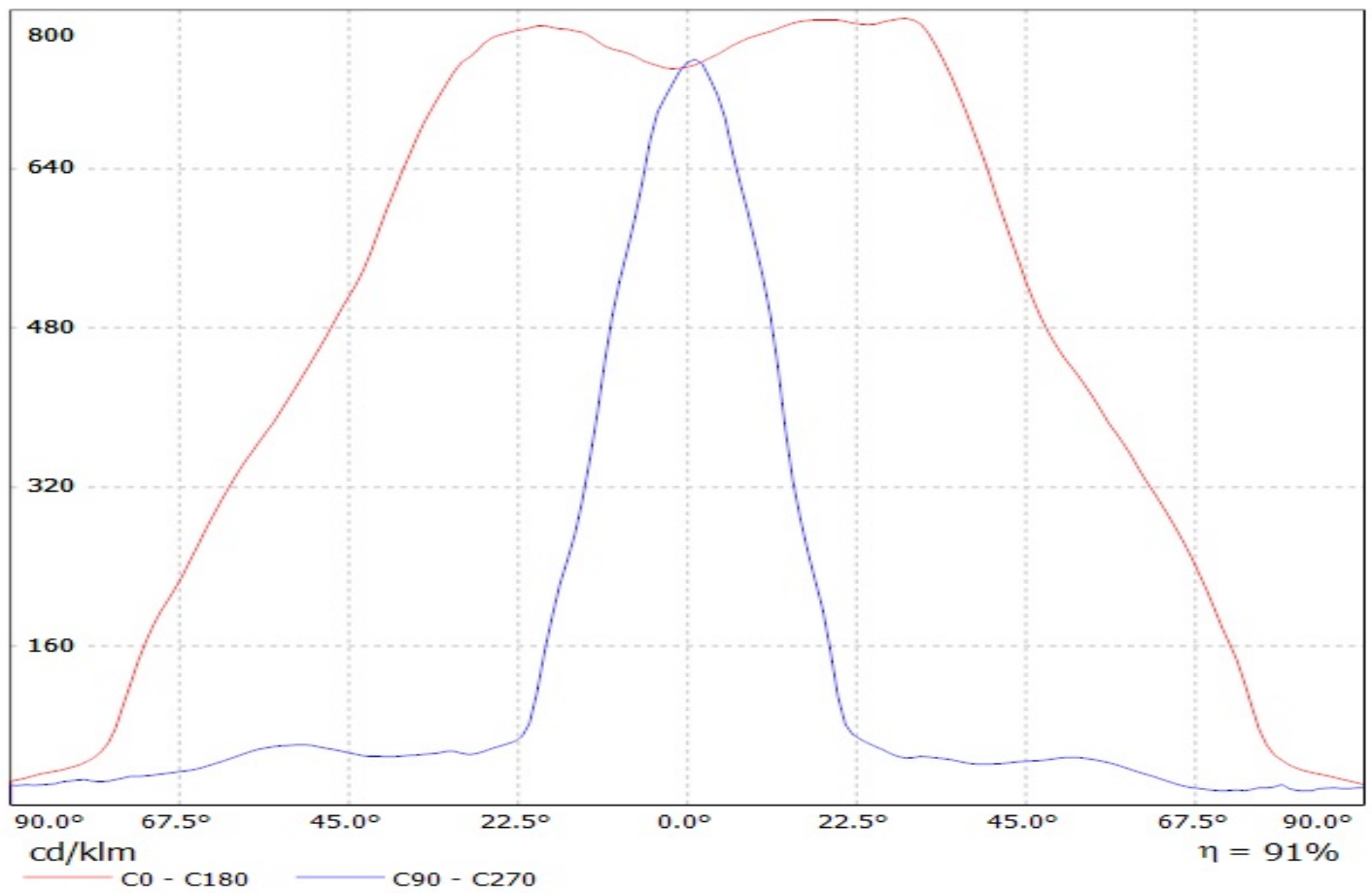
Luminaire: Ledil oy CA12764_FLARE-MINI-A (Cree XP-E2 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-E2 92lm @ 250mA



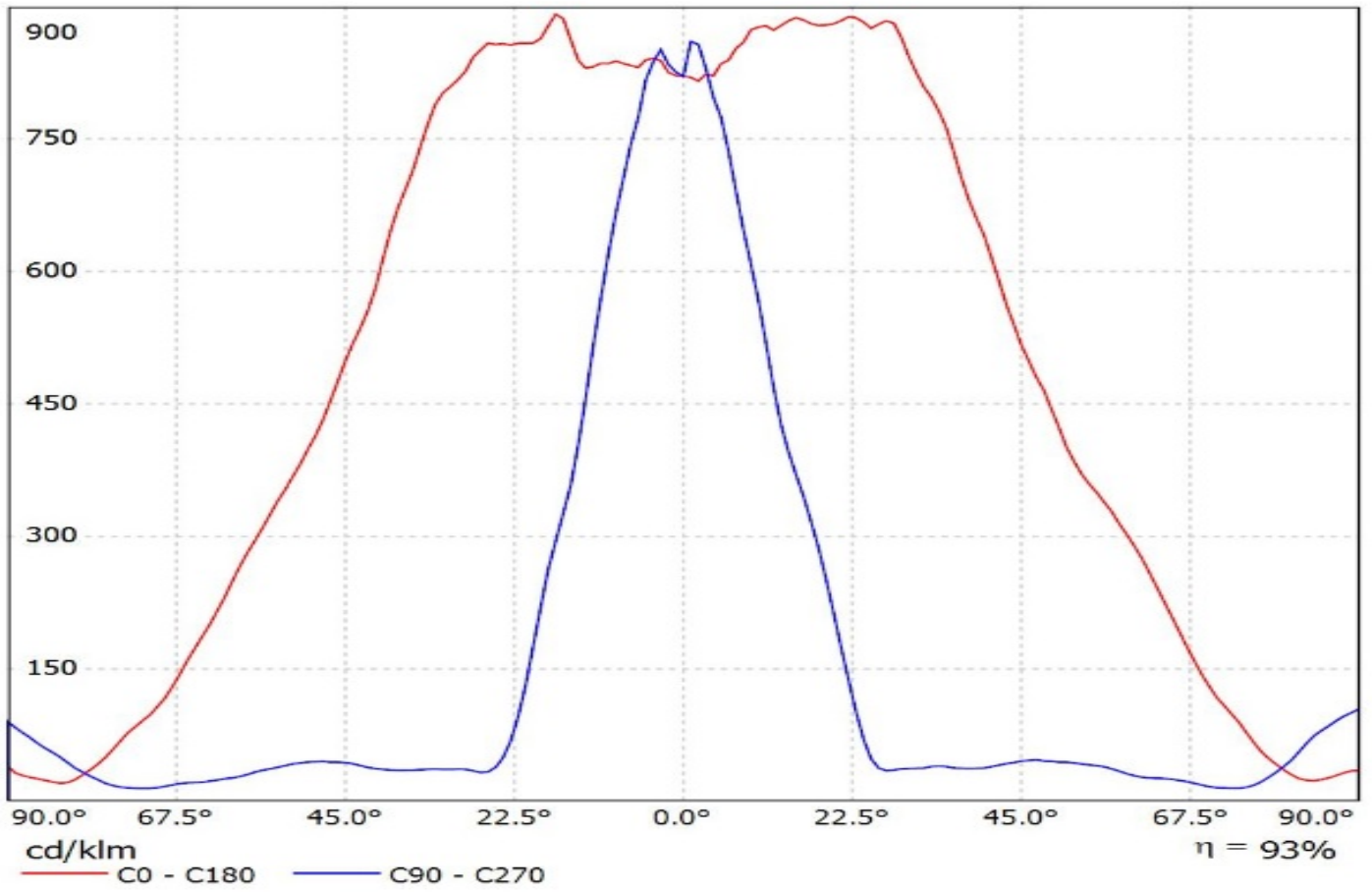
Luminaire: Ledil Oy CA12764_FLARE-MINI-A (CREE XP-G2 (99 lm @ 250 mA)) Efficiency=94%
Lamps: 1 x CREE XP-G2 (99 lm @ 250 mA)



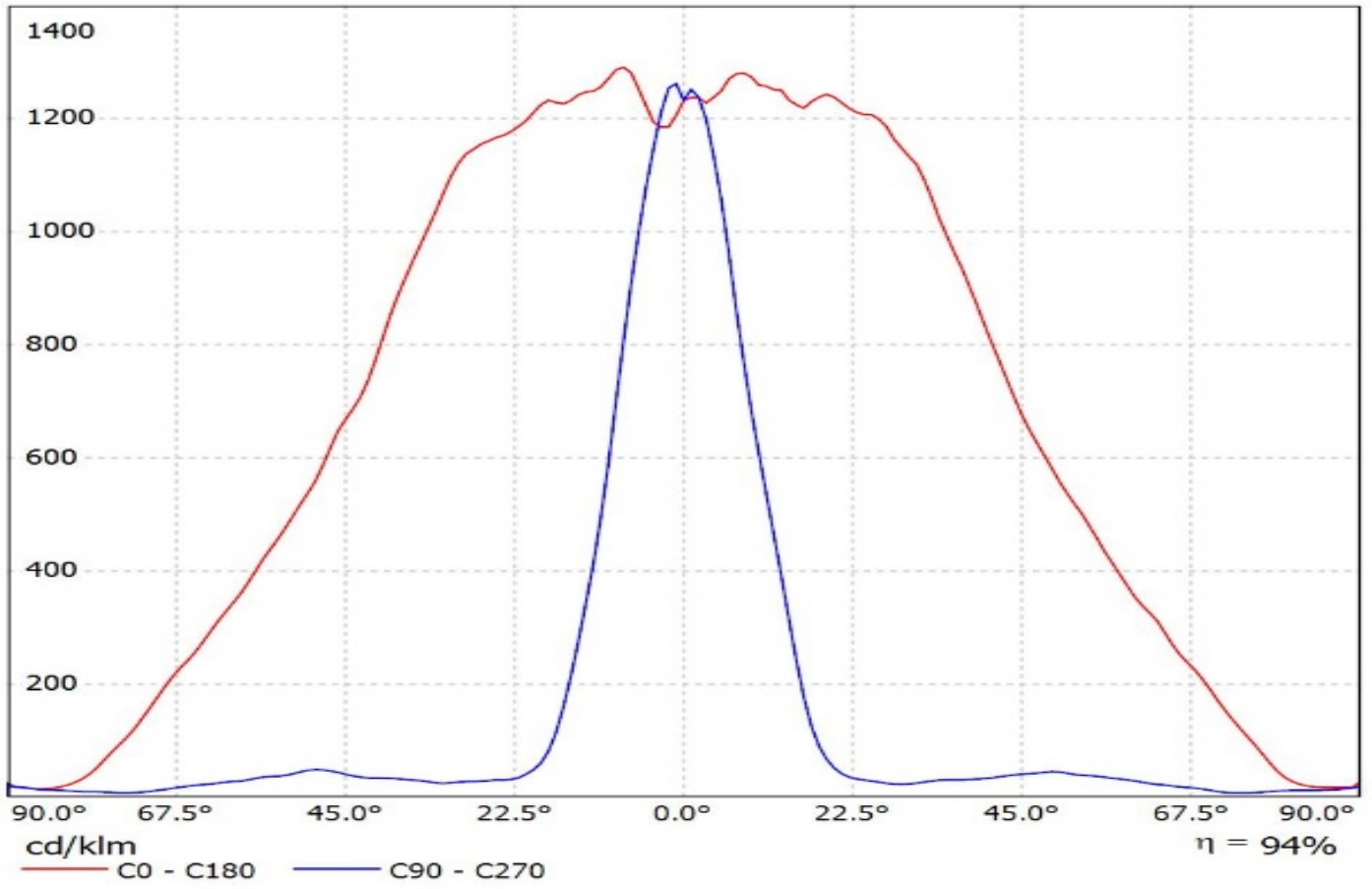
Luminaire: LEDiL Oy CA12764_FLARE-MINI-A_(XP-L)
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



Luminaire: Ledil Oy CA12764_FLARE-MINI-A_(XHP35_HD)_SIMULATED
Lamps: 1 x Cree XHP35 HD

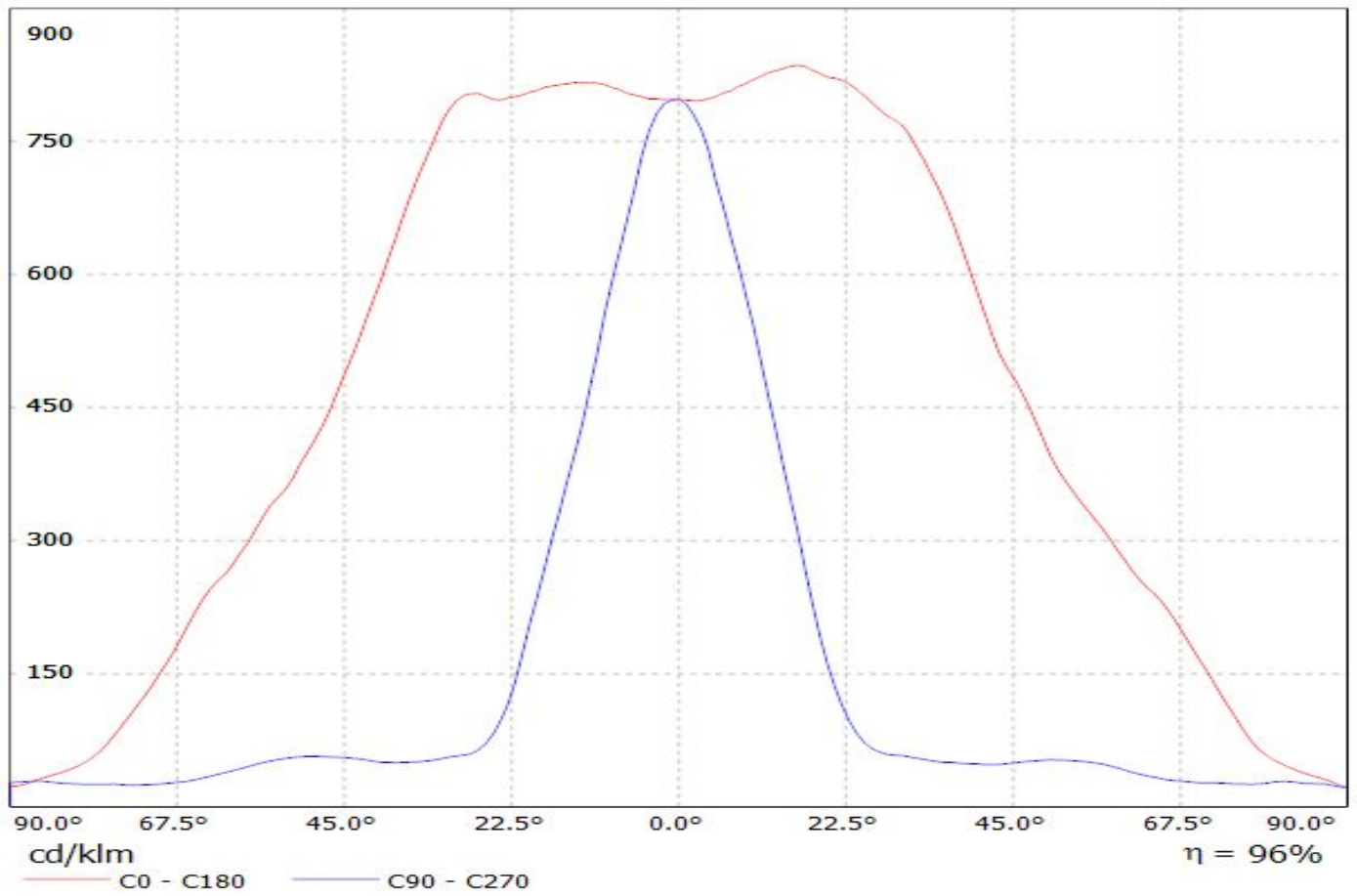


Luminaire: Ledil Oy CA12764_FLARE-MINI-A_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI

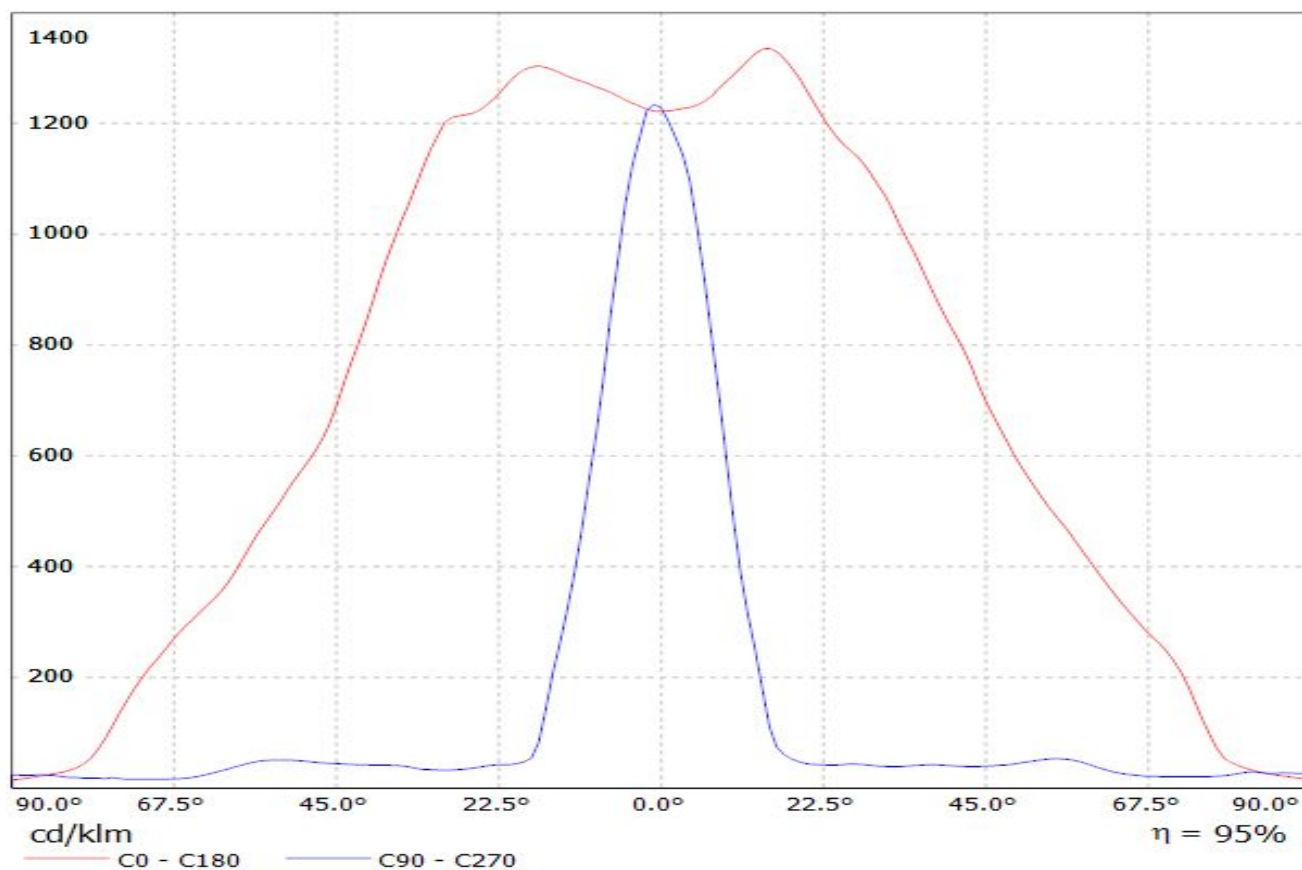


Luminaire: Ledil CA12764_FLARE-MINI-A_(XP-L2)

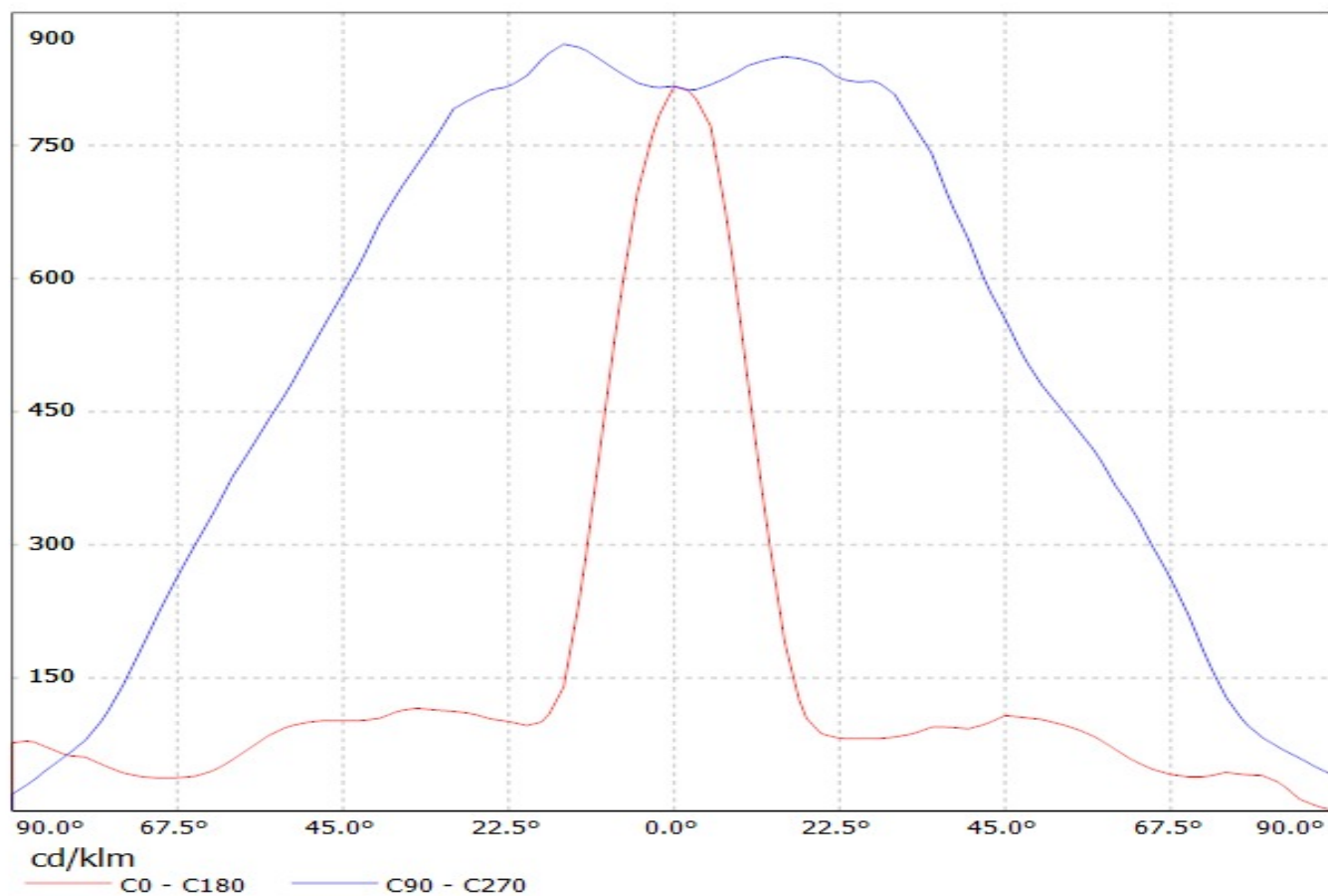
Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.505lm@250mA_P=0.72165W_I=0.25A



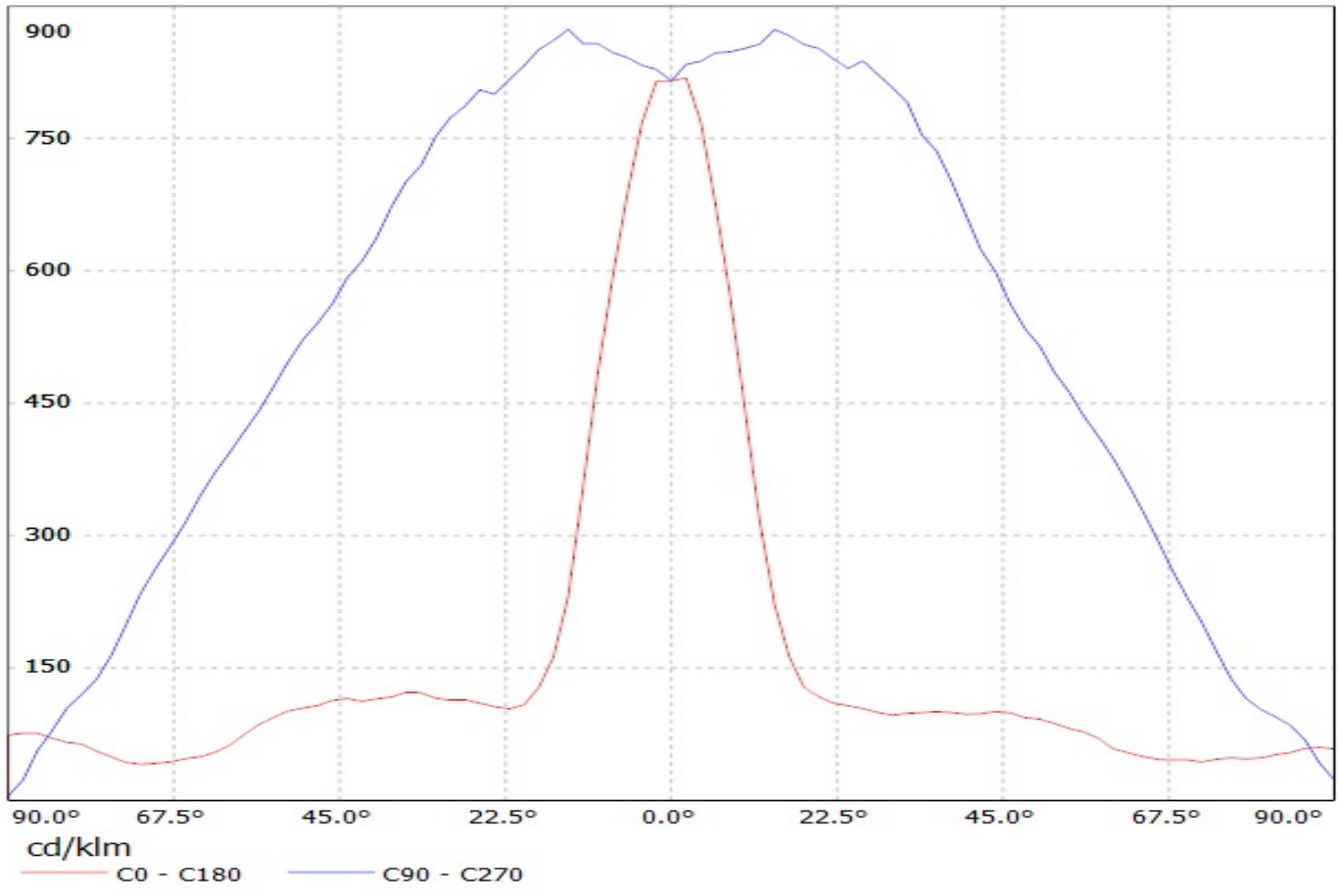
Luminaire: LEDiL Oy CA12764_FLARE-MINI-A_(LG-3535-CERAMIC-GEN2) Eff 94%
Lamps: 1 x LG-3535-CERAMIC-GEN2_116.256lm@250mA_P=0.754973W_CCT=6235K_I=249.9mA



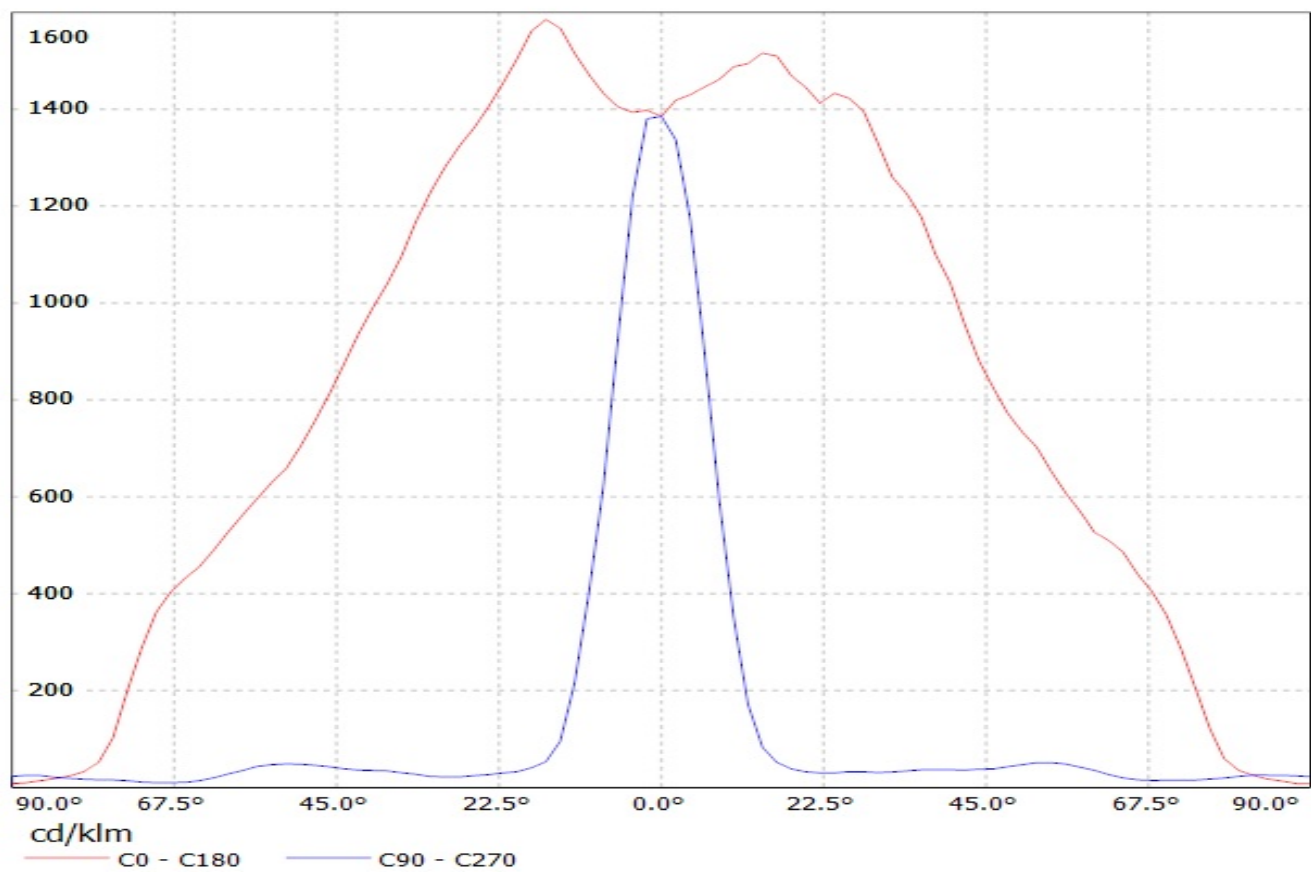
Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Luxeon Rebel ES 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon Rebel ES 92lm @ 250mA



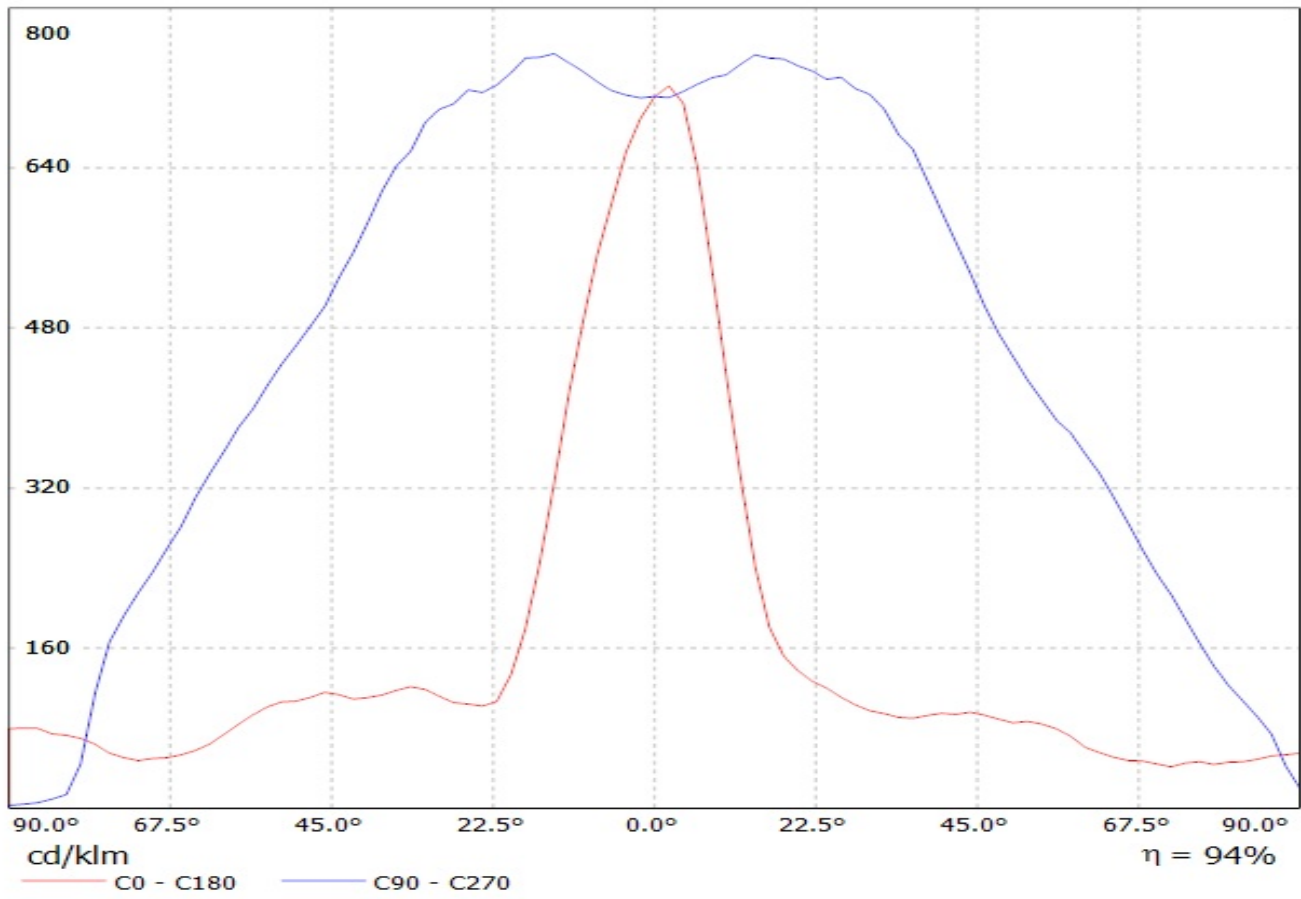
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Nichia NCS19 95lm @ 250mA) Efficiency=94%
Lamps: 1 x Nichia NCS19 95lm @ 250mA



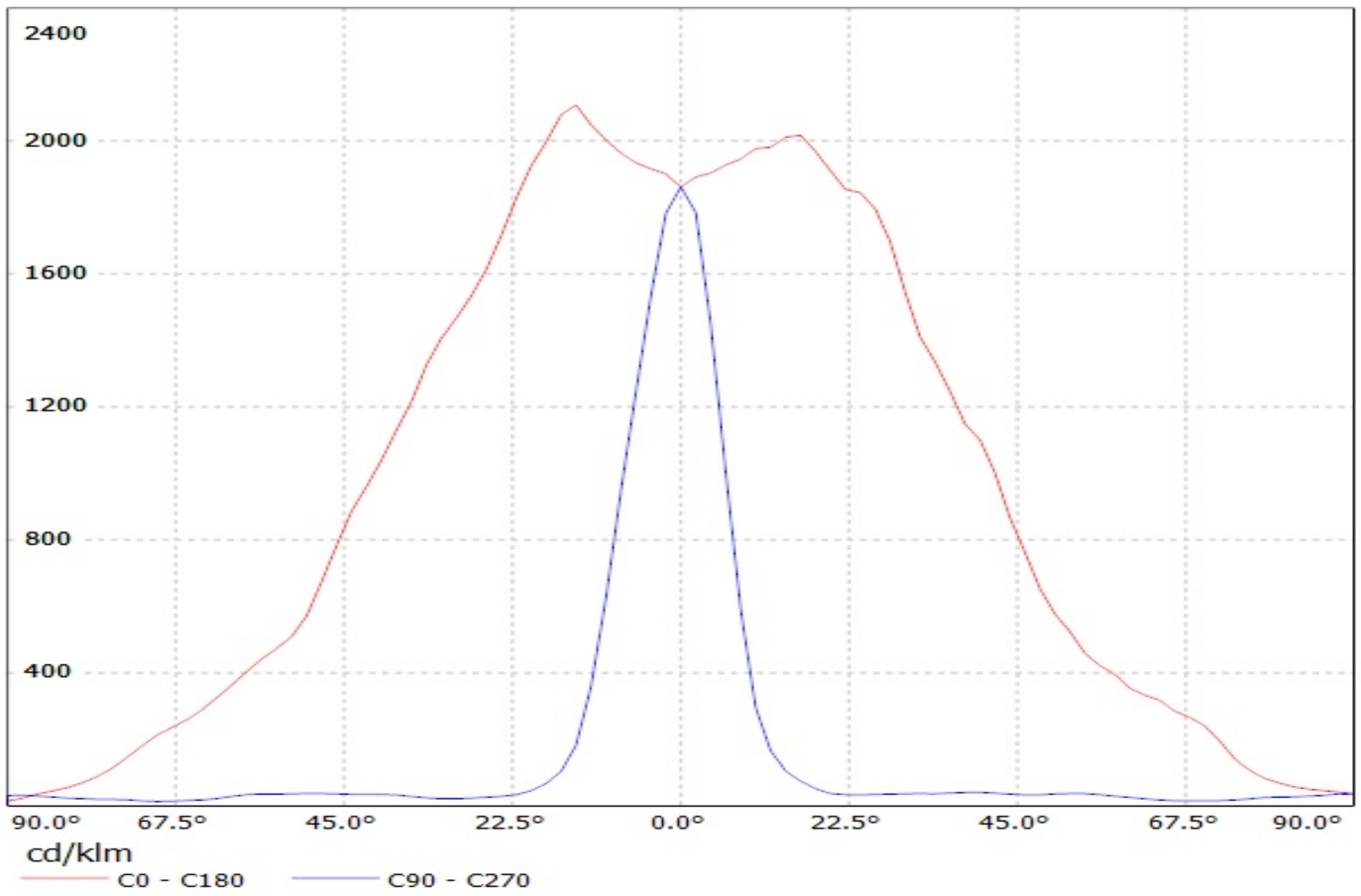
Luminaire: Ledil Oy CA12838_Flare_Mini-A-Pin_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.1lm @ 250mA CCT=3000K P=0.8W I=250mA



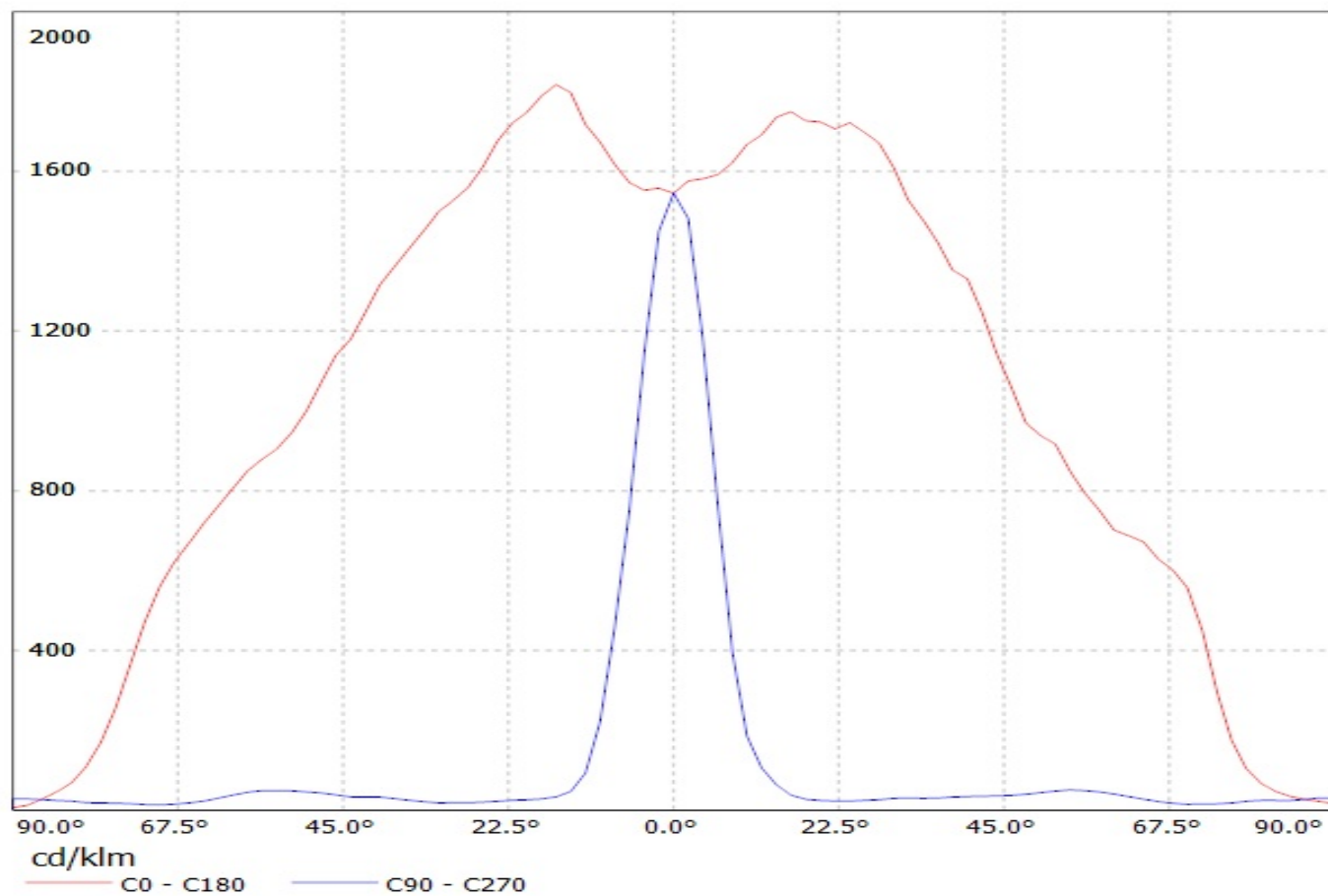
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Osram Square PC 88lm @ 250mA) Efficiency=94%
Lamps: 1 x Osram Square PC 88lm @ 250mA



Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Osram OSL80 84lm @ 250mA) Efficiency=93%
Lamps: 1 x Osram OSL80 84lm @ 250mA

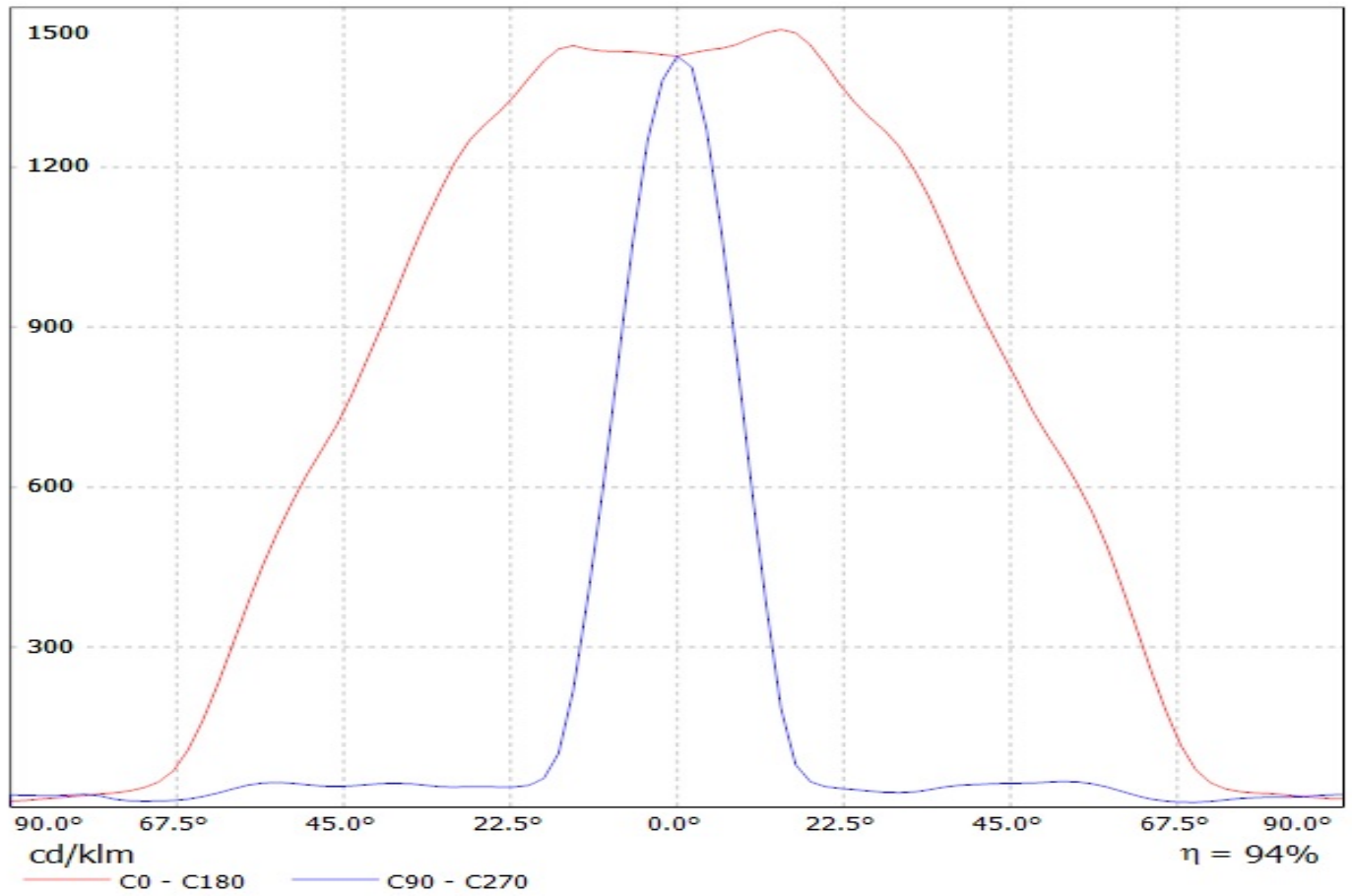


Luminaire: Ledil Oy C12763/C12837_FLARE-MINI-A (Osram OSL150 95lm @ 250mA) Efficiency=93%
Lamps: 1 x Osram OSL150 95lm @ 250mA

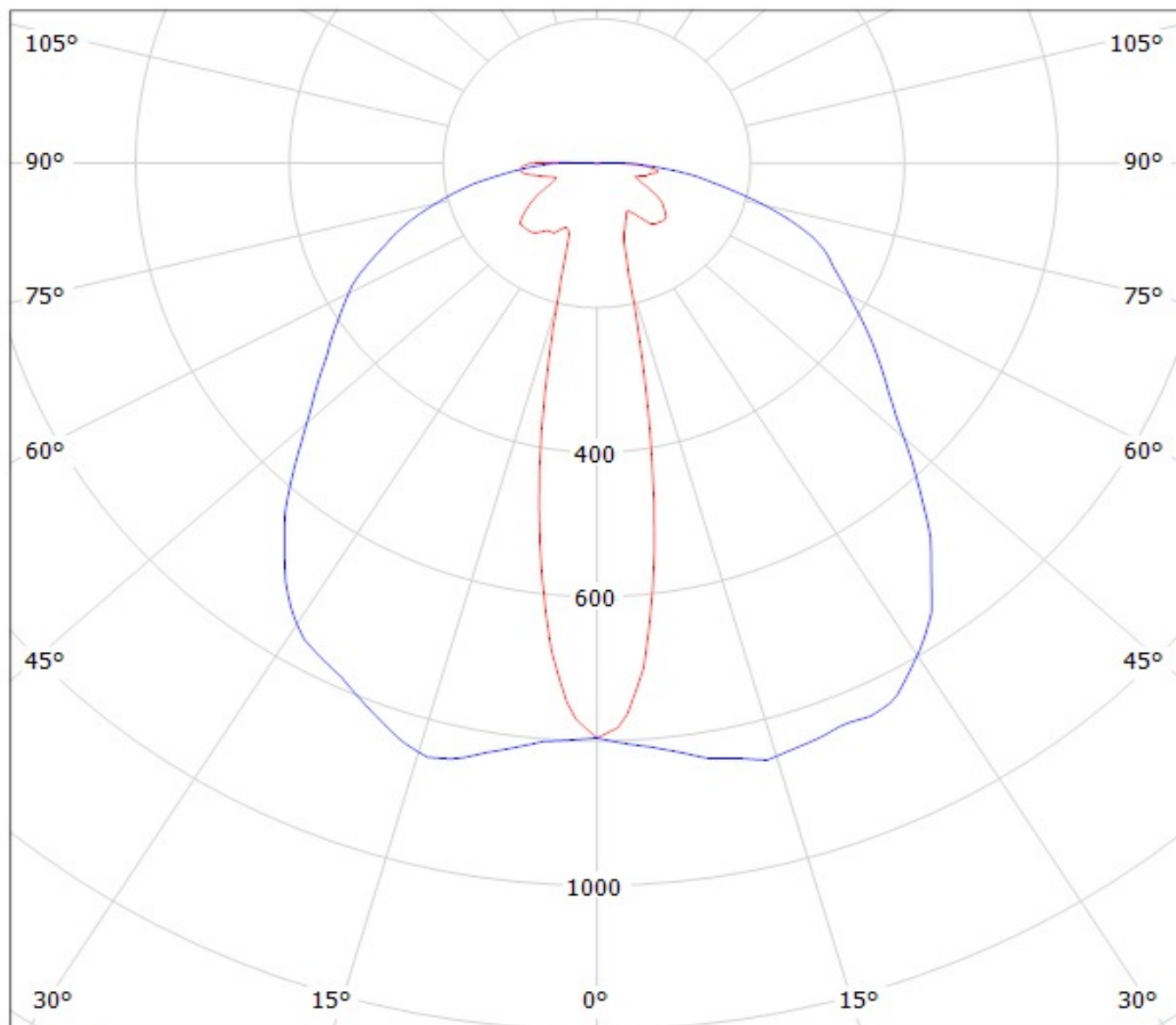


Luminaire: LEDil Oy CA12764_FLARE-MINI-A_(LH351Z)

Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XP-E 76lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-E 76lm @ 250mA

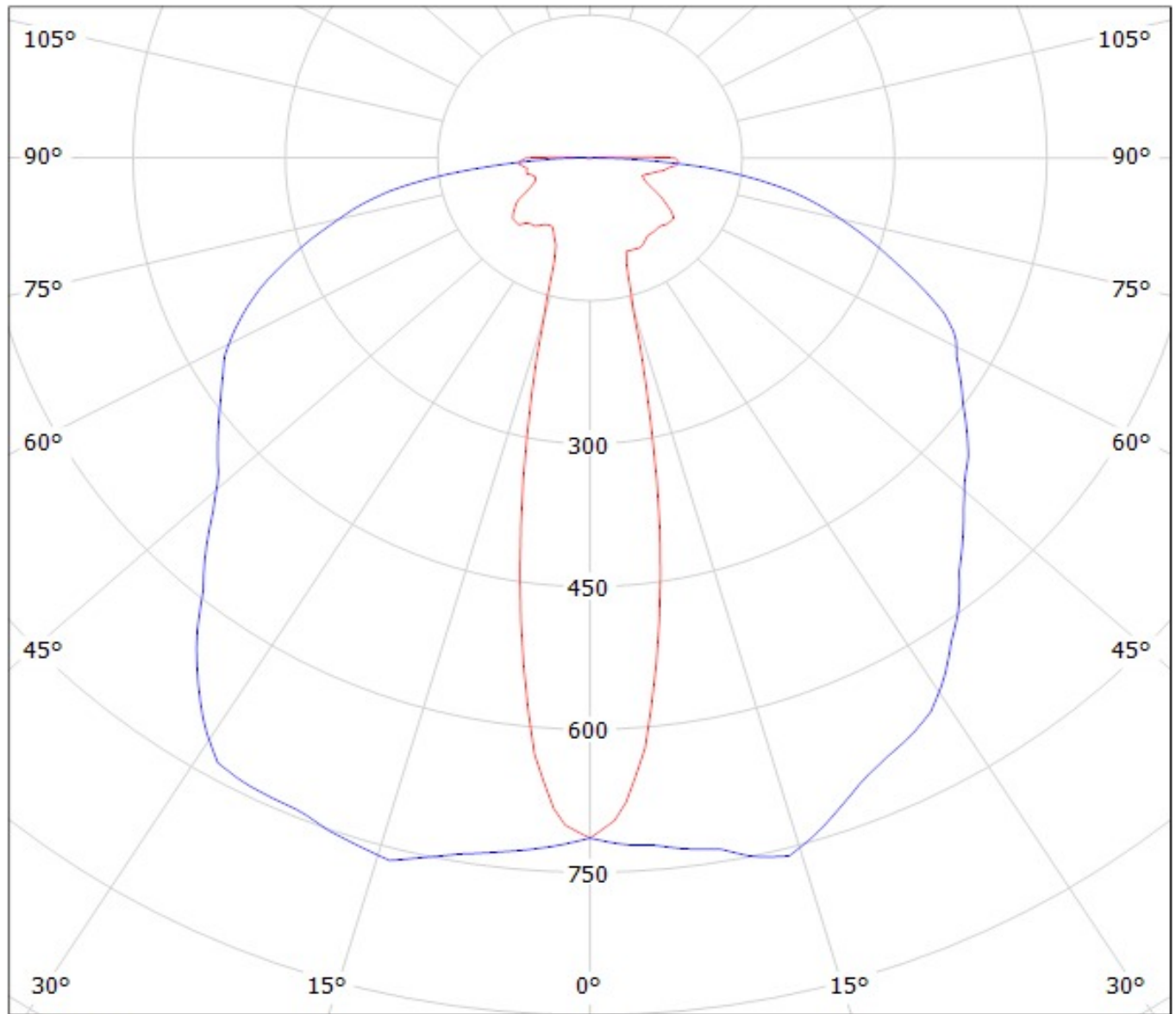


cd/klm

— C0 - C180

— C90 - C270

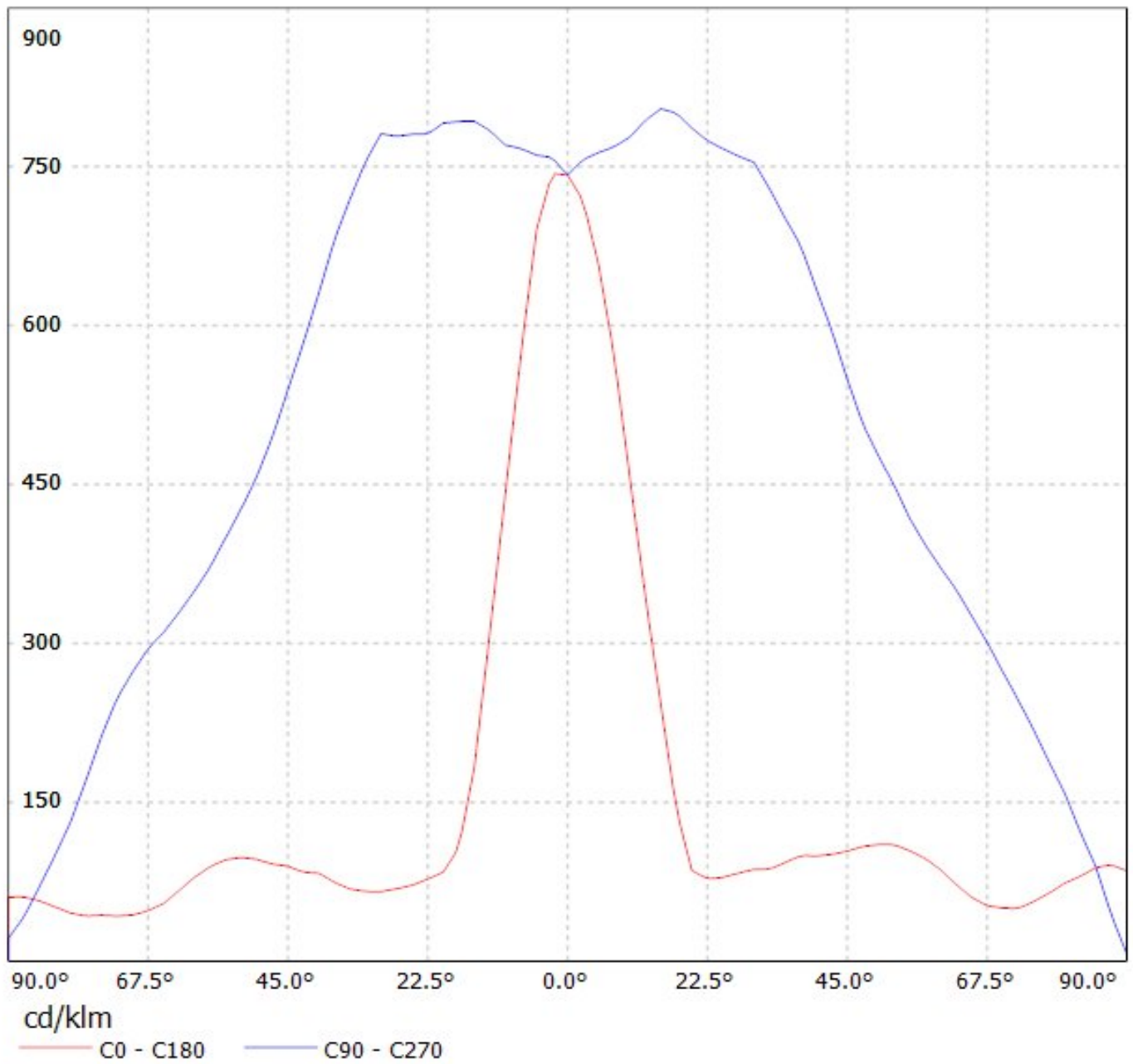
Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XB-D 94lm @ 250mA



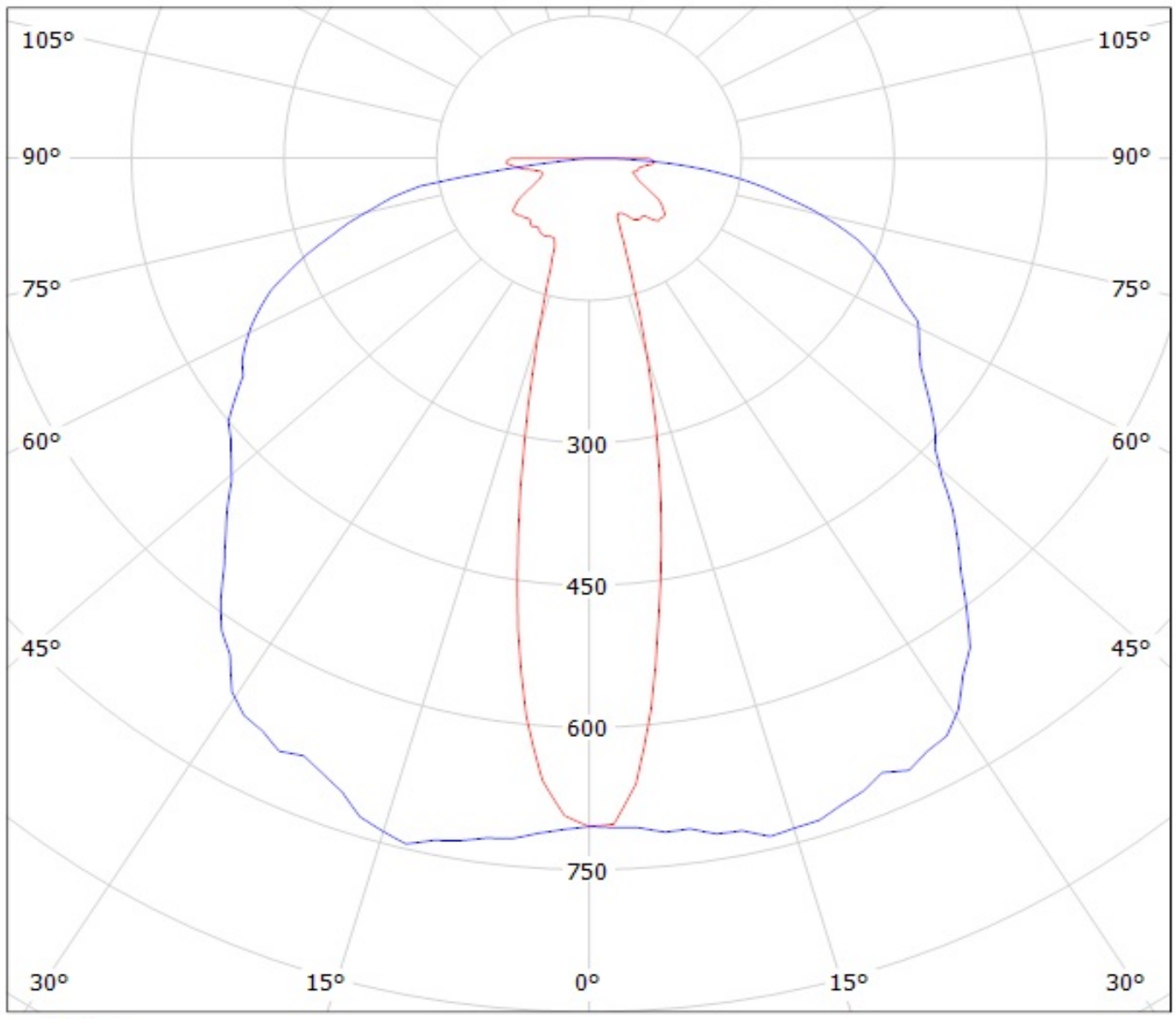
cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Cree XP-G 87lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G 87lm @ 250mA

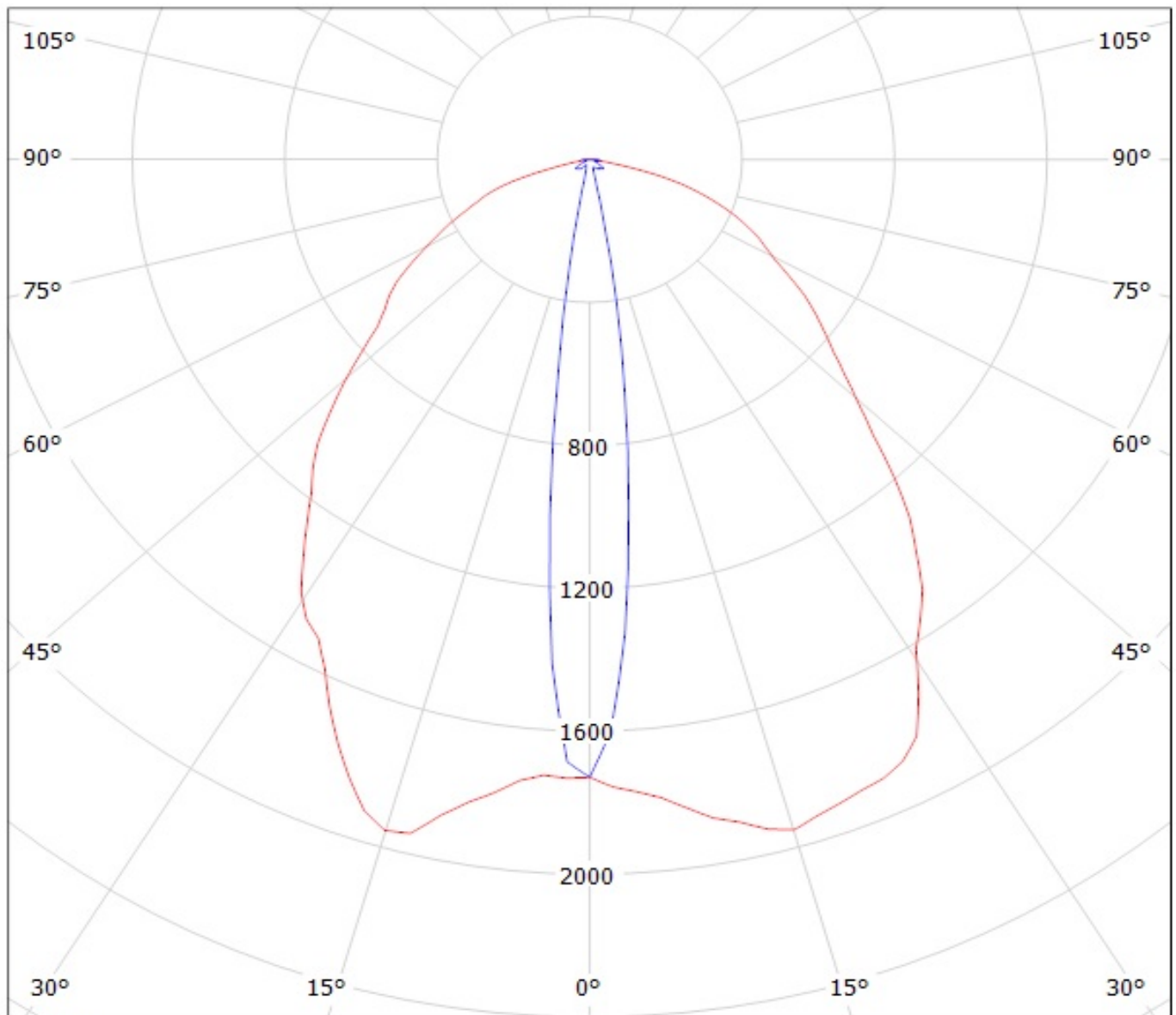


Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Cree XT-E 86lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 86lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: Ledil oy CA12764_FLARE-MINI-A (Cree XP-E2 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-E2 92lm @ 250mA

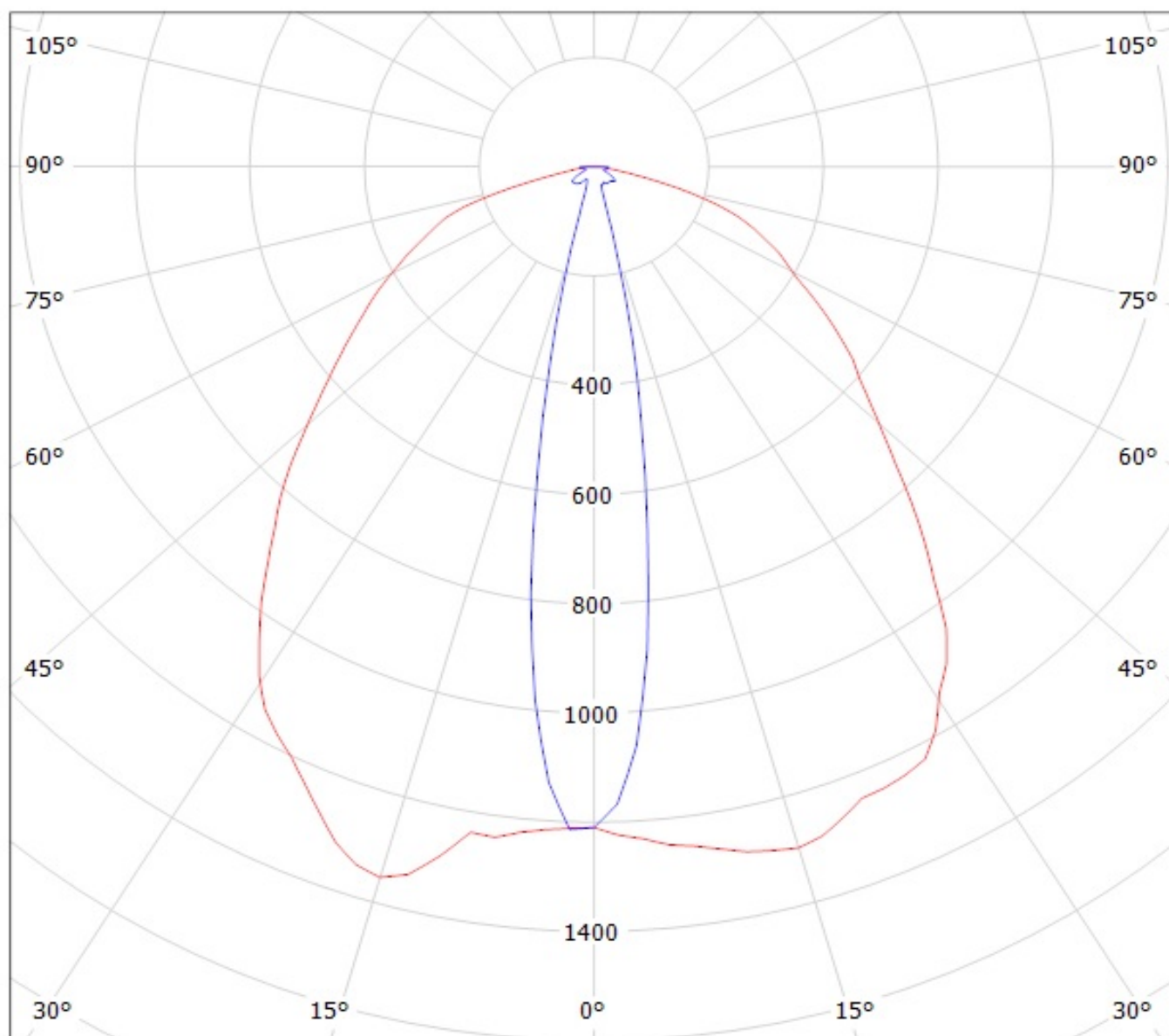


cd/klm

— C0 - C180

— C90 - C270

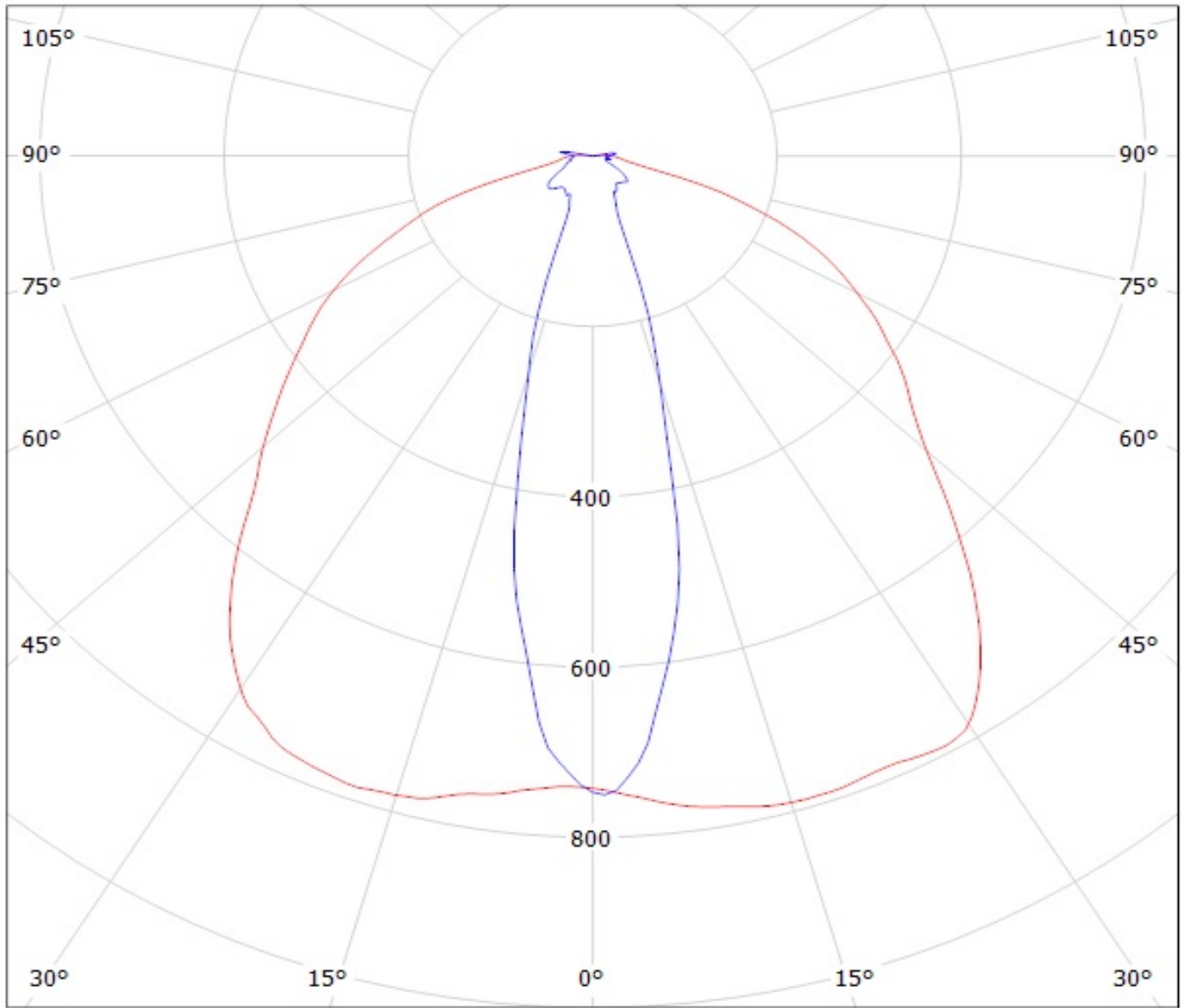
Luminaire: Ledil Oy CA12764_FLARE-MINI-A (CREE XP-G2 (99 lm @ 250 mA)) Efficiency=94%
Lamps: 1 x CREE XP-G2 (99 lm @ 250 mA)



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA12764_FLARE-MINI-A_(XP-L)
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA

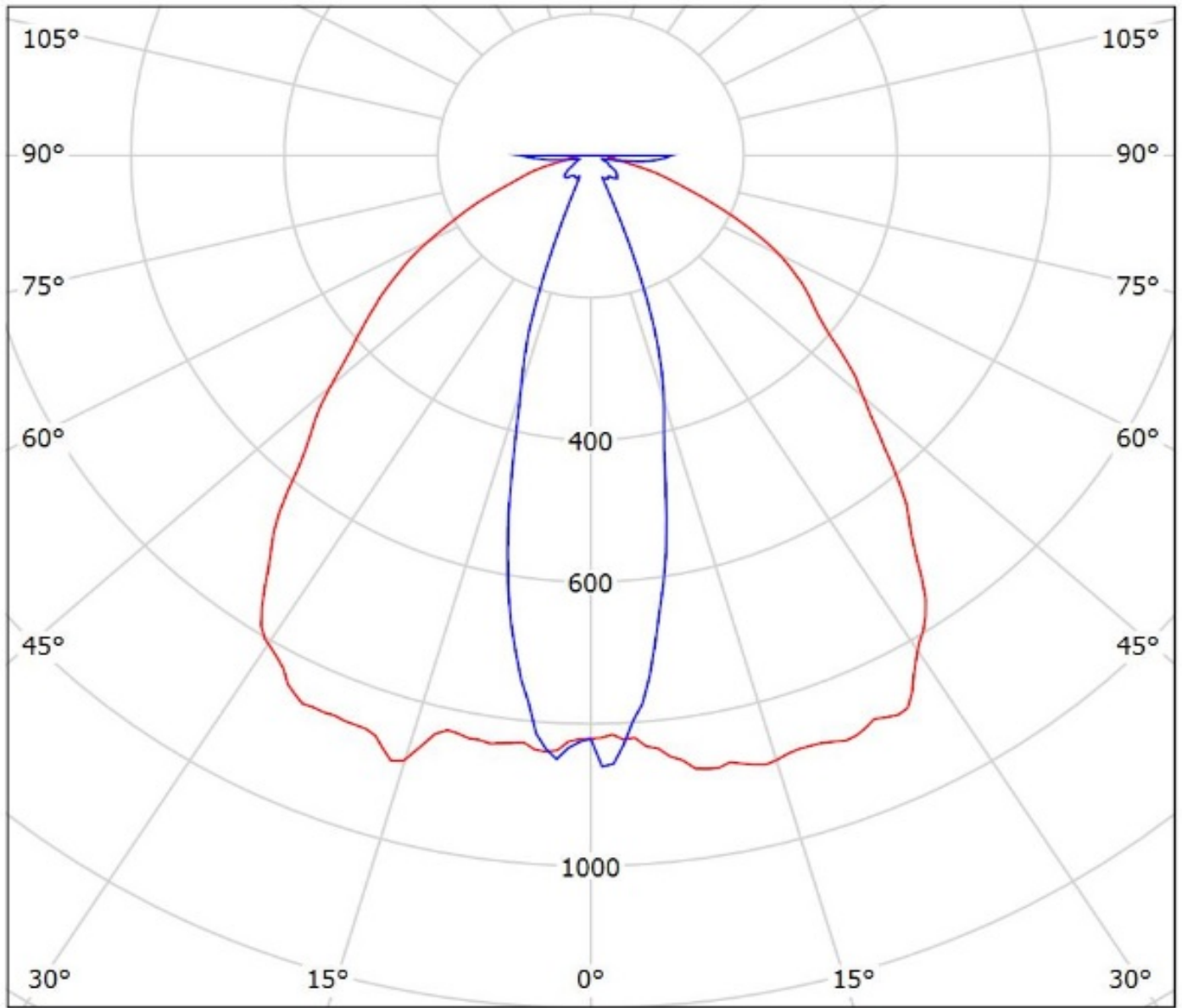


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CA12764_FLARE-MINI-A_(XHP35_HD)_SIMULATED
Lamps: 1 x Cree XHP35 HD

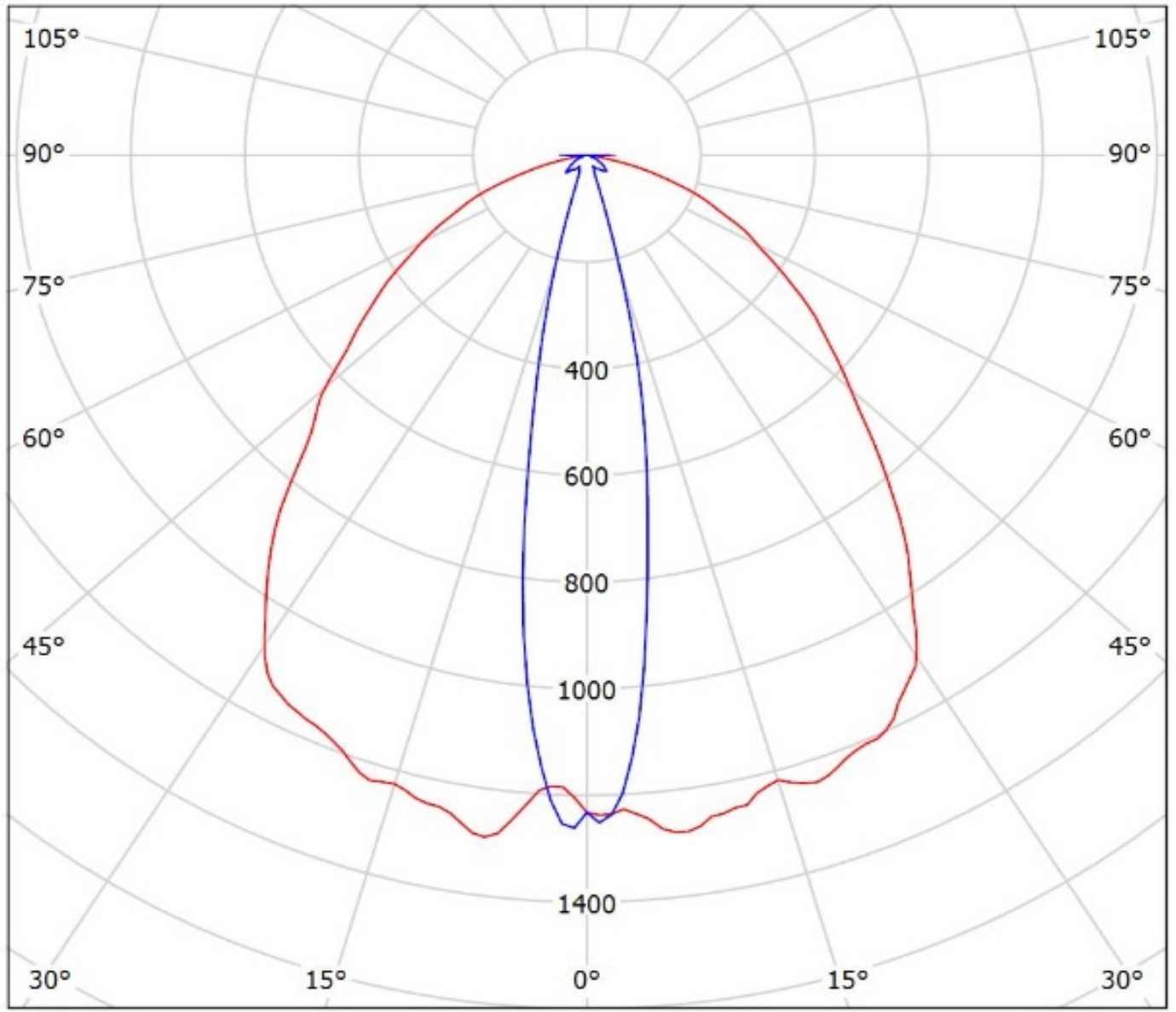


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy CA12764_FLARE-MINI-A_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI

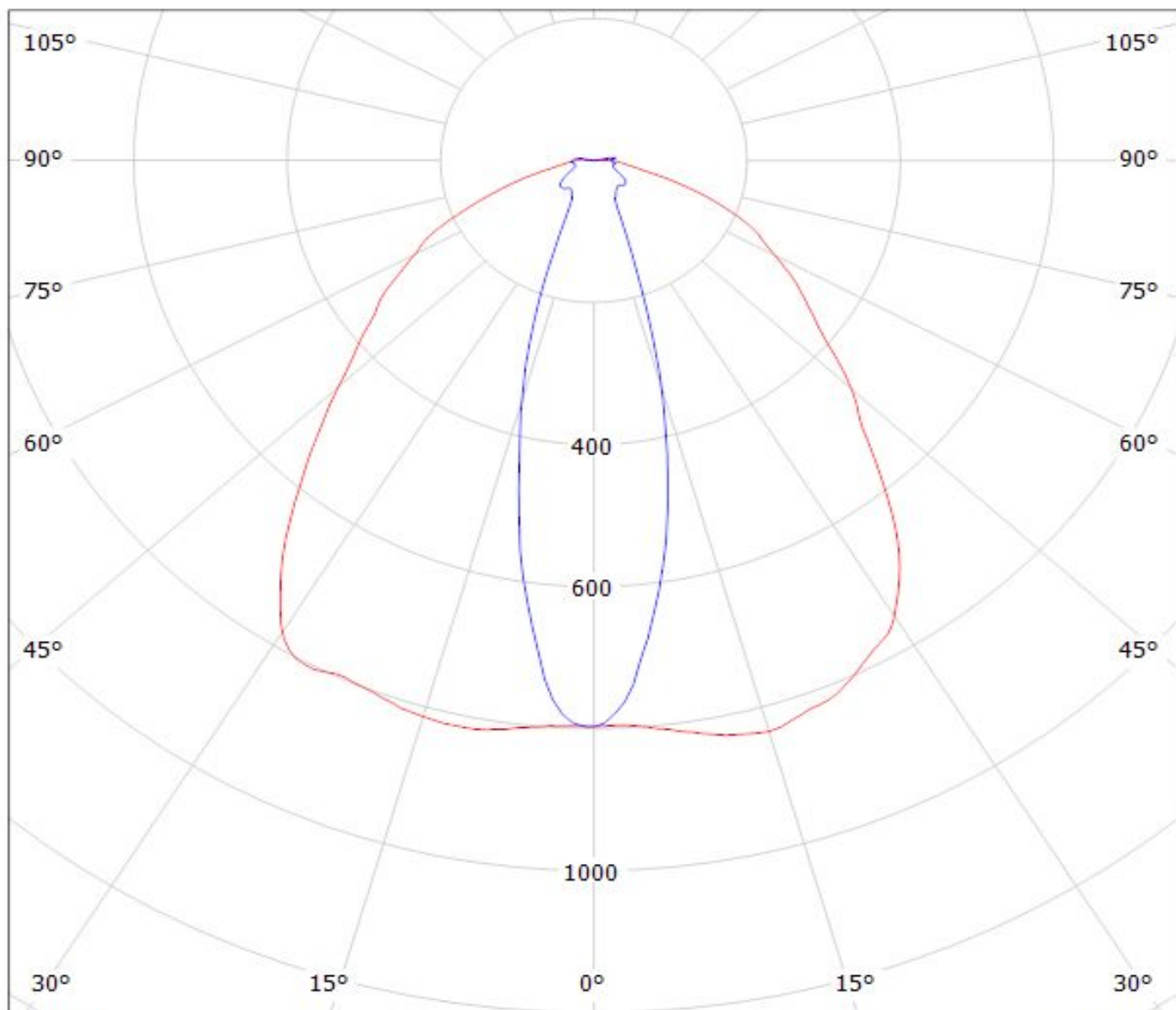


cd/klm
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil CA12764_FLARE-MINI-A_(XP-L2)

Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.505lm@250mA_P=0.72165W_I=0.25A



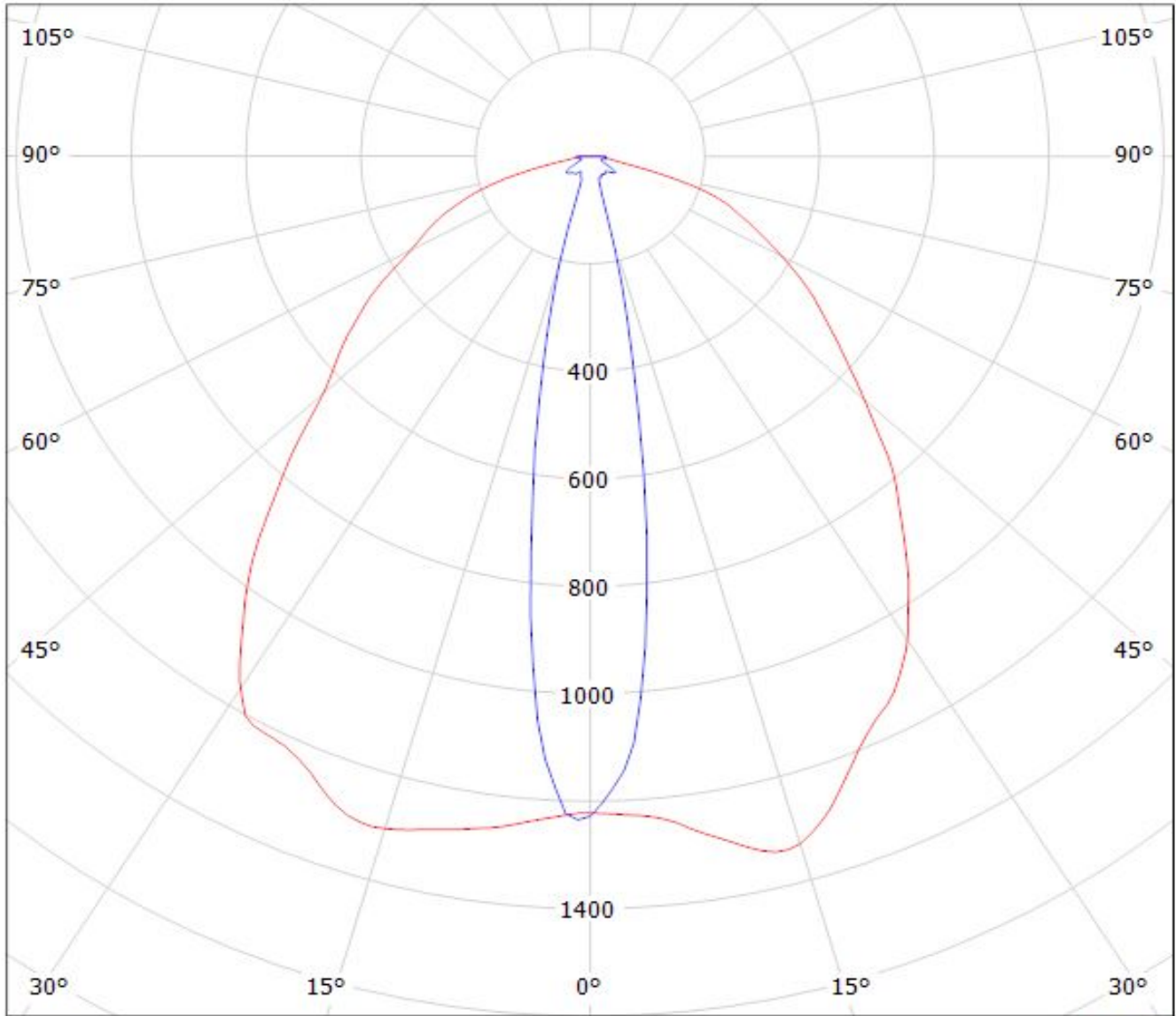
cd/klm

— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy CA12764_FLARE-MINI-A_(LG-3535-CERAMIC-GEN2) Eff.94%
Lamps: 1 x LG-3535-CERAMIC-GEN2_116.256lm@250mA_P=0.754973W_CCT=6235K_I=249.9mA

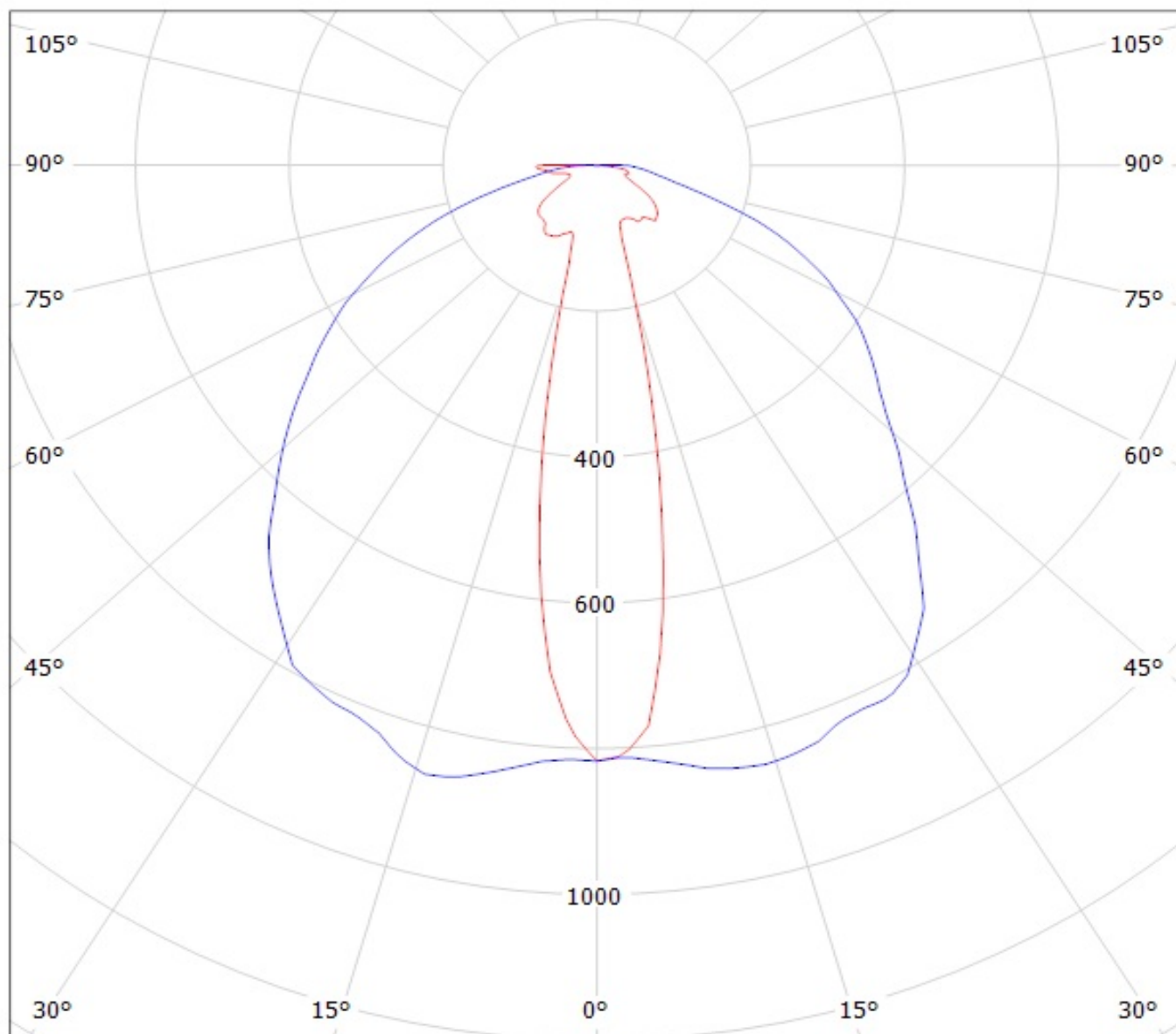


cd/klm

$\eta = 95\%$

— C0 - C180 — C90 - C270

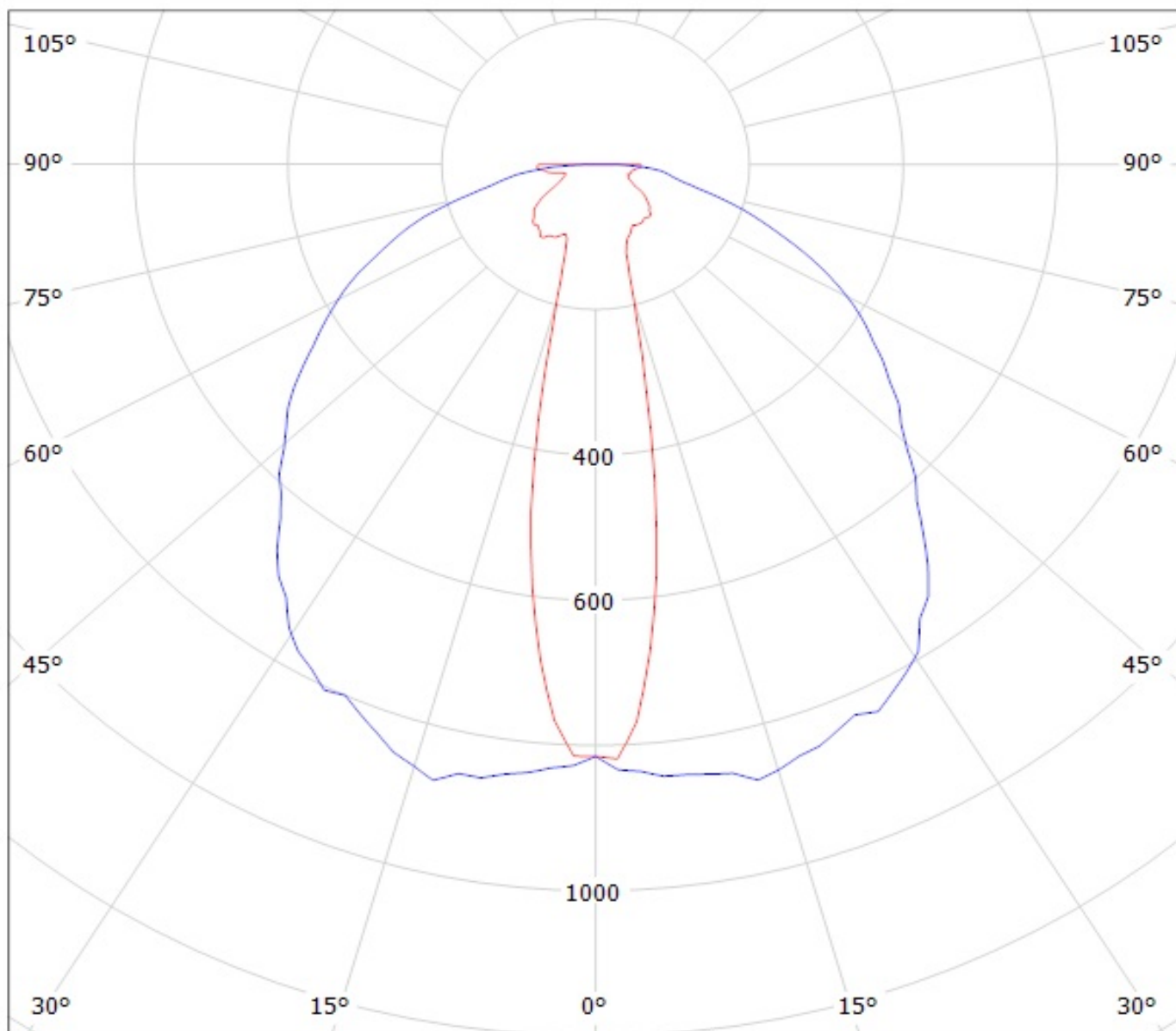
Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Luxeon Rebel ES 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon Rebel ES 92lm @ 250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Nichia NCS19 95lm @ 250mA) Efficiency=94%
Lamps: 1 x Nichia NCS19 95lm @ 250mA

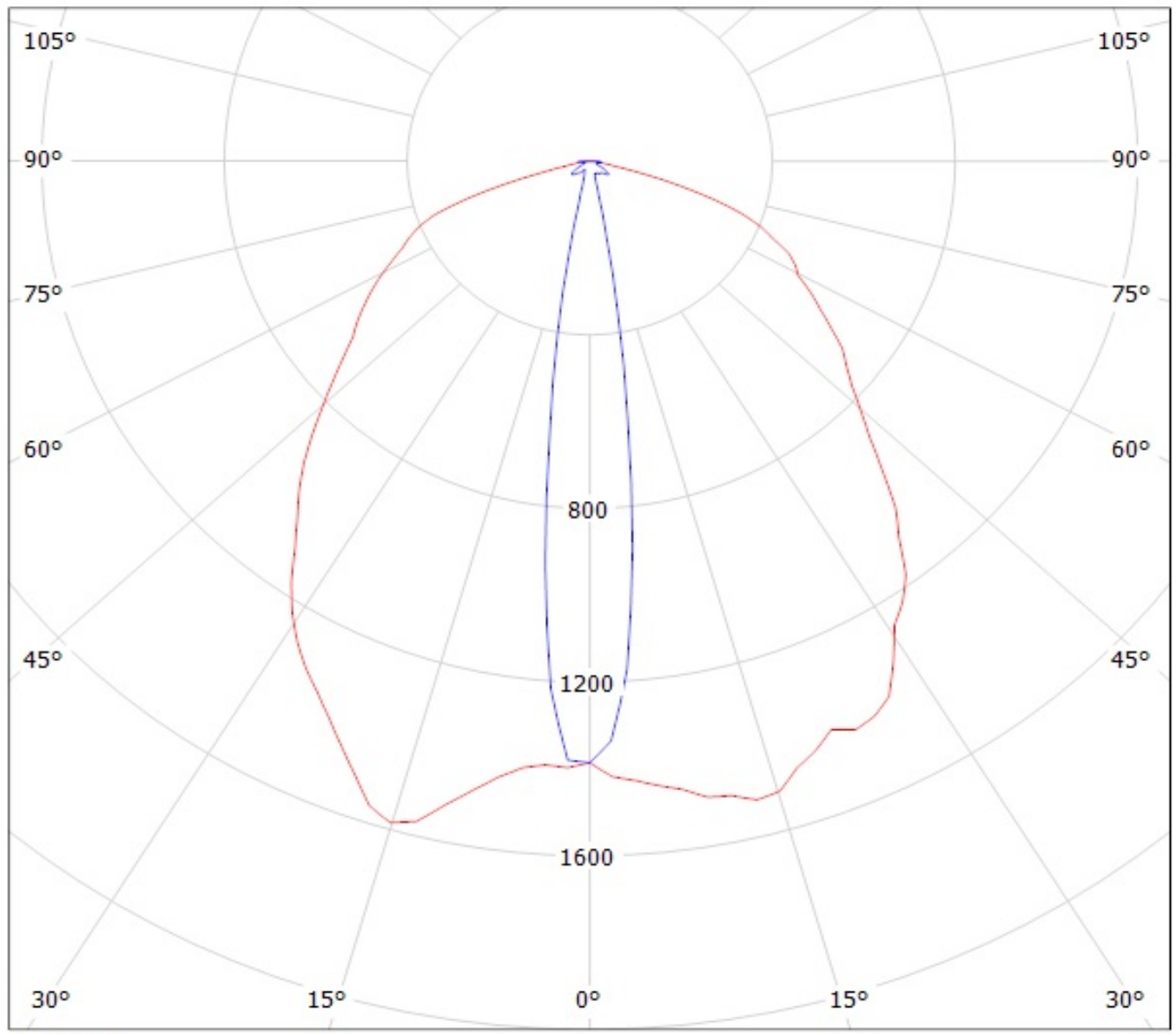


cd/klm

— C0 - C180

— C90 - C270

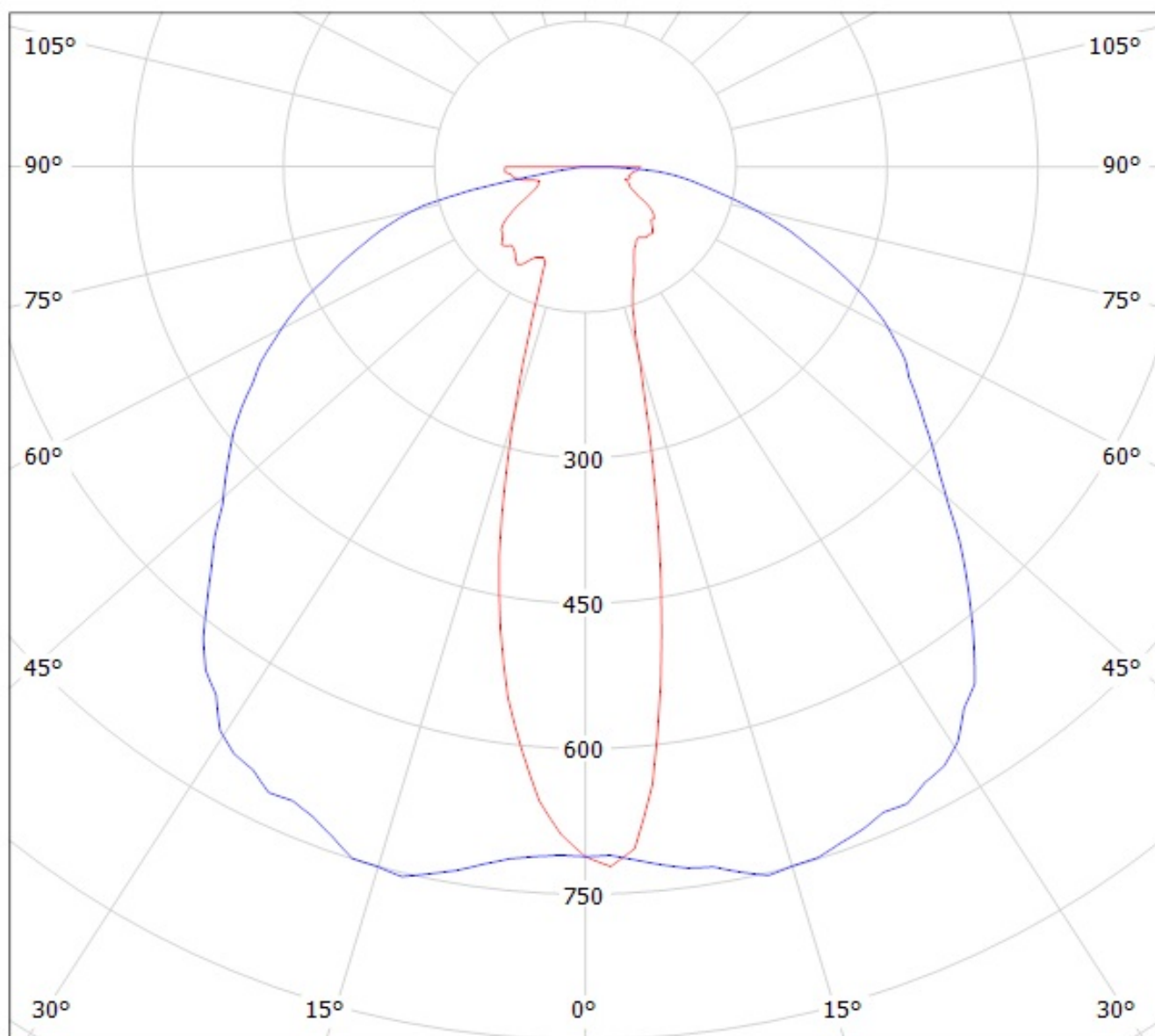
Luminaire: Ledil Oy CA12838_Flare_Mini-A-Pin_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.1lm @ 250mA CCT=3000K P=0.8W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA12764&CA12838_FLARE-MINI-A (Osram Square PC 88lm @ 250mA) Efficiency=94%
Lamps: 1 x Osram Square PC 88lm @ 250mA

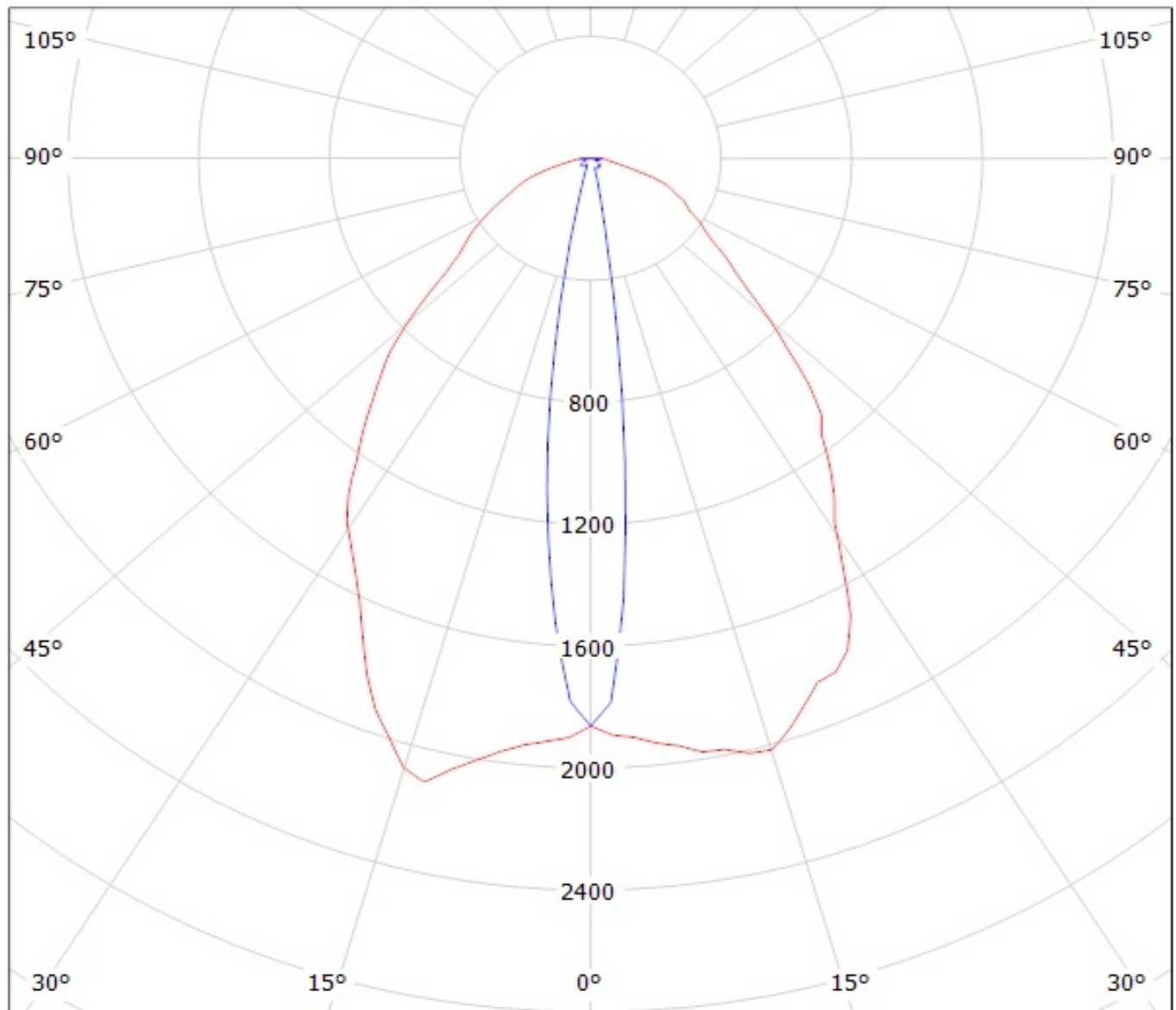


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12764/CA12838_FLARE-MINI-A (Osram OSL80 84lm @ 250mA) Efficiency=93%
Lamps: 1 x Osram OSL80 84lm @ 250mA

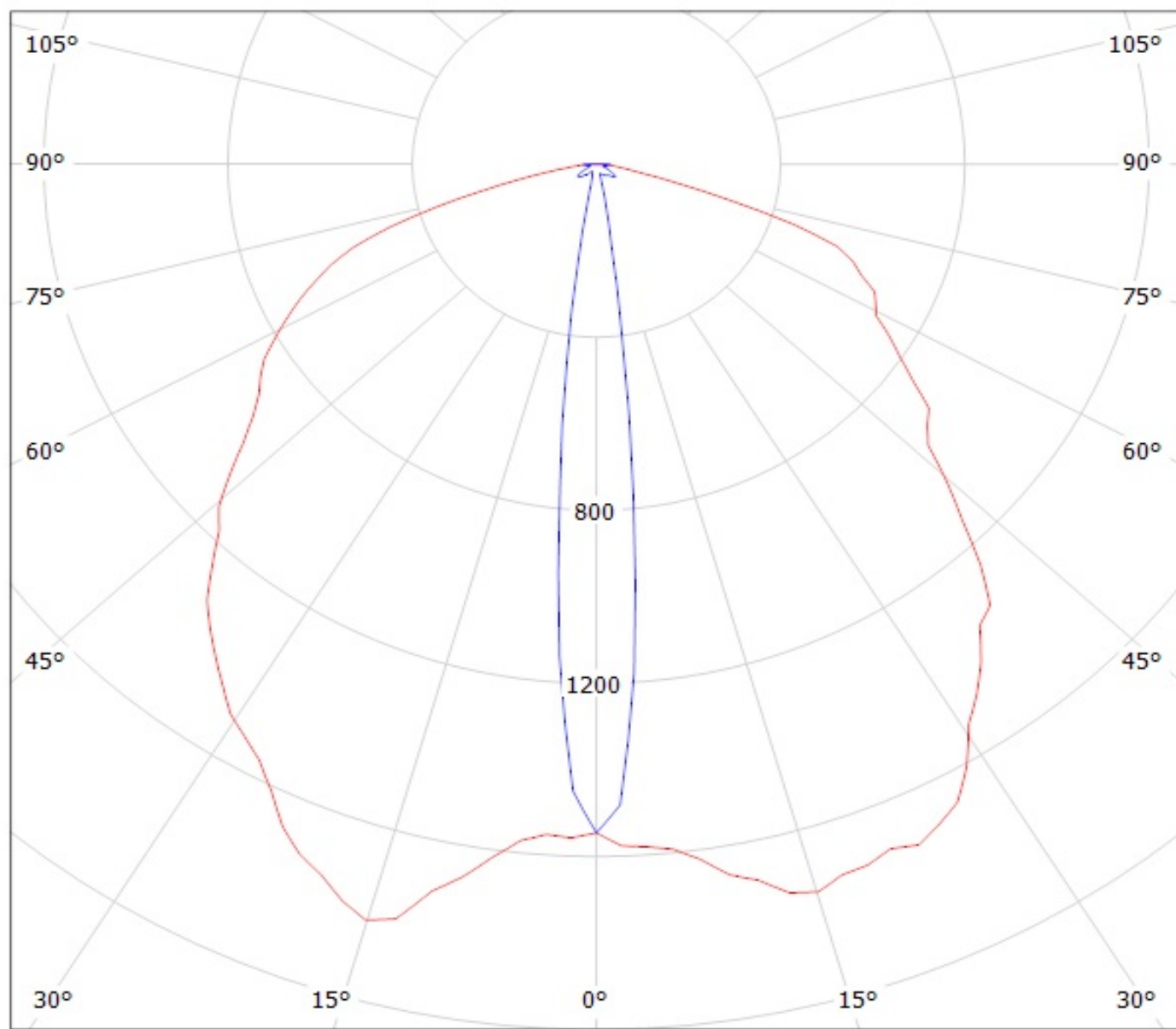


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C12763/C12837_FLARE-MINI-A (Osram OSL150 95lm @ 250mA) Efficiency=93%
Lamps: 1 x Osram OSL150 95lm @ 250mA



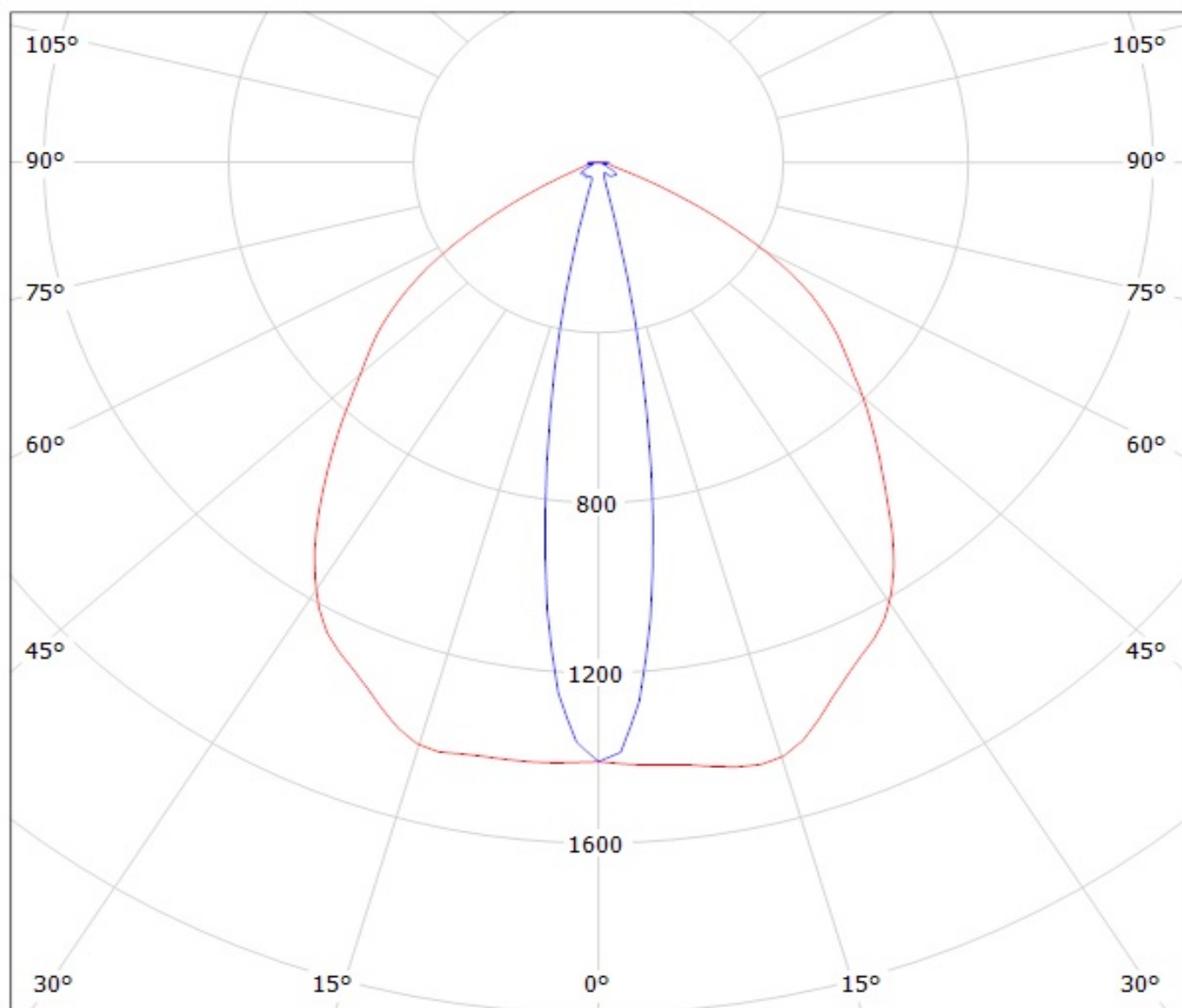
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA12764_FLARE-MINI-A_(LH351Z)

Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

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.