

DETAILS

Product Number	C13012_FLARE-MAXI-D
Family	Flare
Type	Lens
Color	clear
Diameter	33,9 + 33,3 mm
Height	16,7 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	glue, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	8/01/2018



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L	110+15 deg	REC-class	94 %	1.700	-
XP-G	115+15 deg	REC-class	94 %	1.900	-
XT-E	117+14 deg	REC-class	94 %	1.900	-
MK-R	100+23 deg	REC-class	92 %	1.200	-
XP-G2	106+14 deg	REC-class	94 %	2.000	-
XM-L2	101+17 deg	REC-class	94 %	1.900	-
XP-L	119+16 deg	REC-class	94 %	1.480	-
XHP50	104+19 deg	REC-class	92 %	1.300	-
XHP70	104+28 deg	REC-class	92 %	0.940	-
XP-L2	107+16 deg	REC-class	94 %	1.500	-
XHP50.2	sim: 92+20	REC-class	sim: 94 %	sim: 1.530	-
LUXEON M/MX	102+25 deg	REC-class	94 %	1.400	-
LUXEON A	104+12 deg	REC-class	94 %	2.100	-
LUXEON Rebel ES	104+13 deg	REC-class	94 %	2.000	-
LUXEON T	102+13 deg	REC-class	92 %	1.800	-
LUXEON H50-2	sim: 10+65	REC-class	sim: 92 %	sim: 3.300	-
LUXEON MZ	101+16 deg	REC-class	94 %	1.900	-
LUXEON TX	103+13 deg	REC-class	93 %	2.060	-
NVSxx19B/NVSxx19C	116+13 deg	REC-class	94 %	1.700	-
NS9x383	110+16 deg	REC-class	93 %	1.500	-
NCSxx19B	107+13 deg	REC-class	94 %	2.100	-
NWSx229A	117+15 deg	REC-class	92 %	1.600	-
NV4x144A	111+20 deg	REC-class	89 %	0.600	-
Oslon Square EC	99+14 deg	REC-class	94 %	2.000	-
Oslon Square PC	104+12 deg	REC-class	94 %	2.000	-



PRODUCT DATASHEET

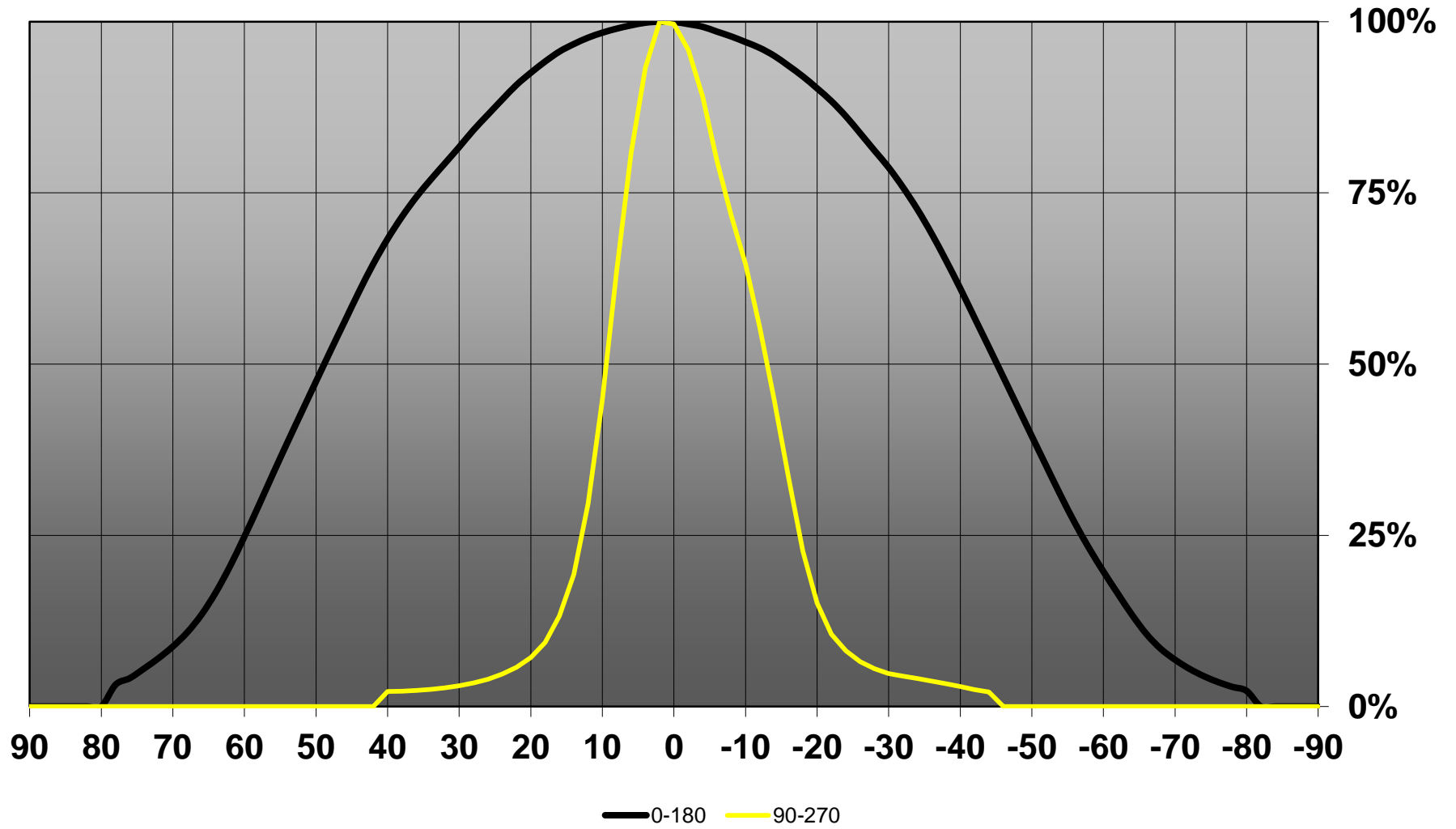
Flare series

last update 8/1/2018

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Oslo SSL 150	128+13 deg	REC-class	94 %	2.000	-
Duris S10	92+20 deg	REC-class	93 %	1.600	-
OSCONIQ P 7070	sim: 86+18	REC-class	sim: 92 %	sim: 1.740	-
LH351Z	98+13 deg	REC-class	94 %	2.200	-
Z5M1/Z5M2	104+14 deg	REC-class	94 %	2.100	-
Z8Y22P	117+13 deg	REC-class	94 %	1.600	-

Relative intensity of C13012_FLARE-MAXI-D_(Duris_S10)



D

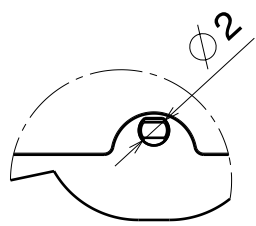
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B

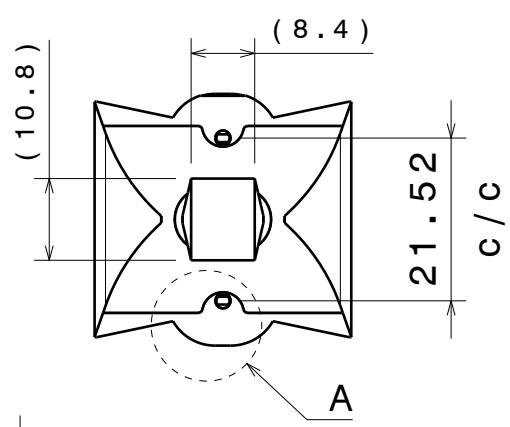
A

4

4

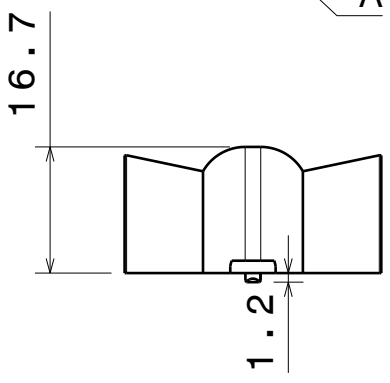
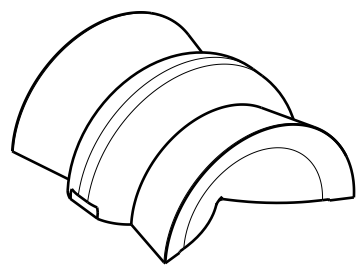


Detail A
Scale: 2:1



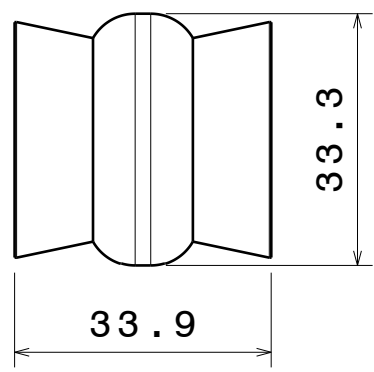
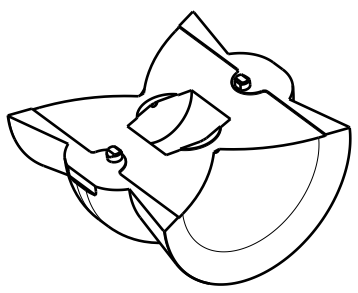
3

3



2

2



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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Datasheet FLARE-MAXI-D Lens

DRAWN BY
ah
DATE
7.11.2013

CHECKED BY
pv
DATE
7.11.2013

DESIGNED BY
hh
DATE
6.4.2012

SIZE A4 **DRAWING NUMBER** C13012 **REV** 1

SCALE 1:1 **WEIGHT (g)** **SHEET** 1/1

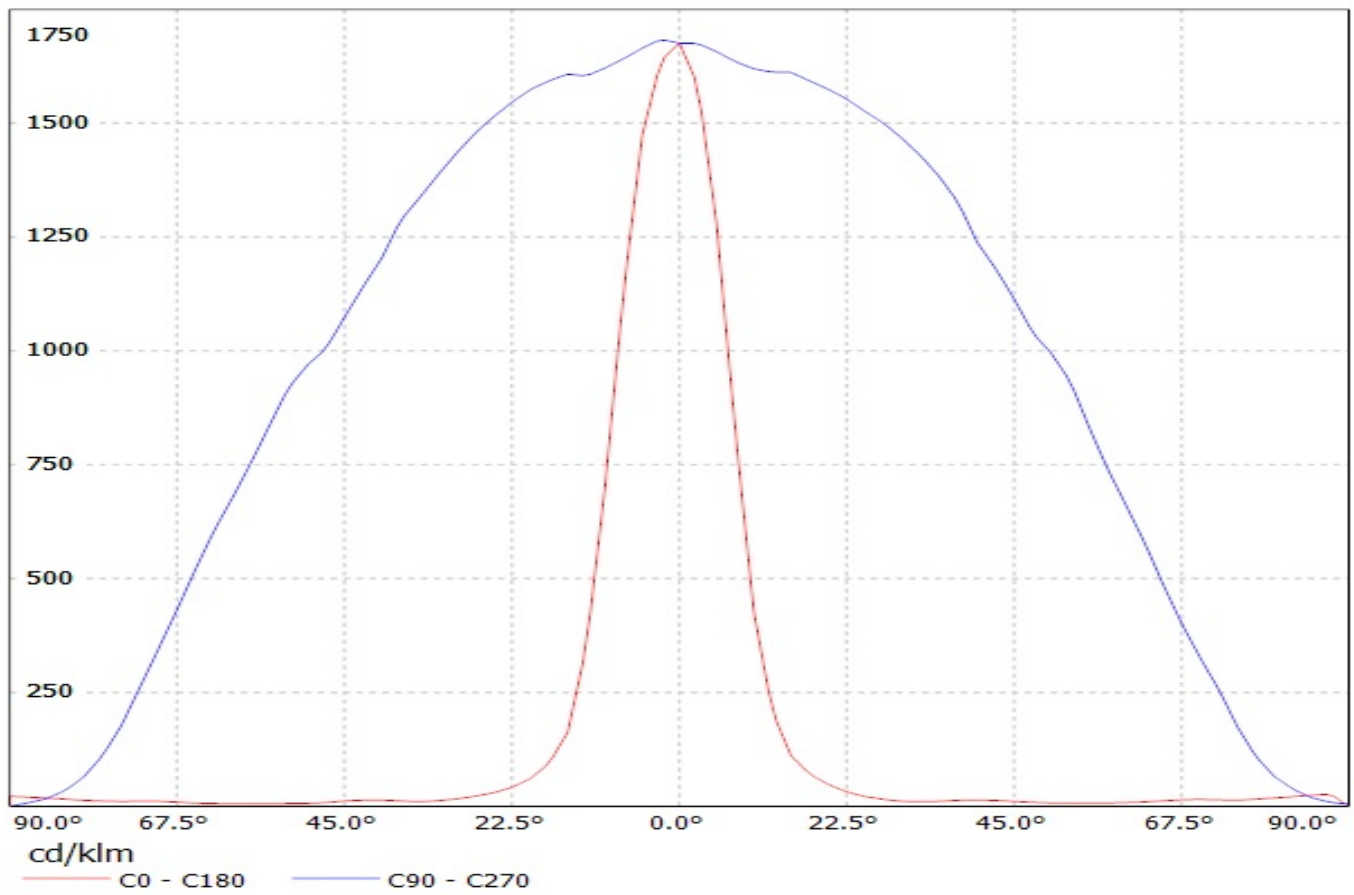
D

A

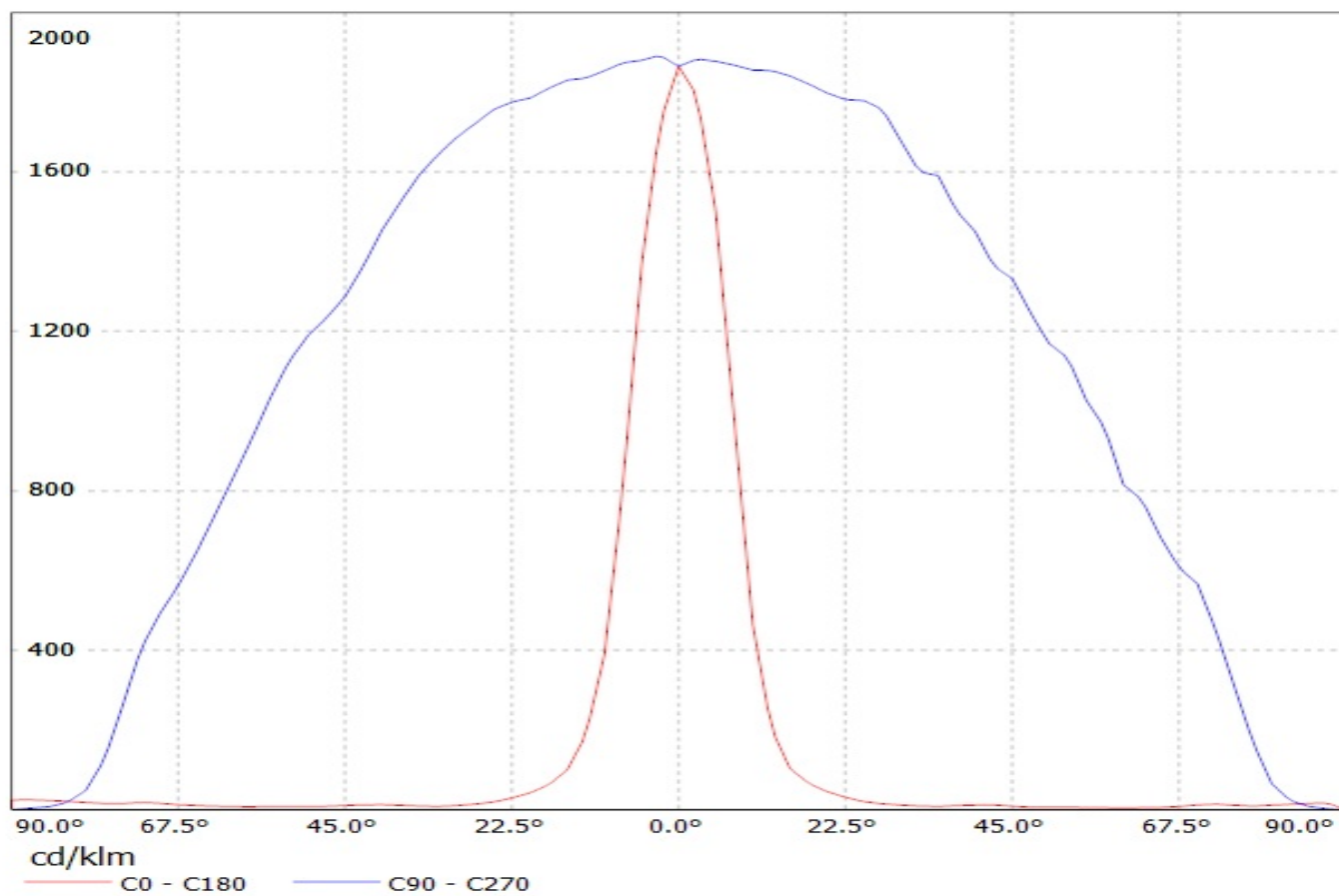
1

1

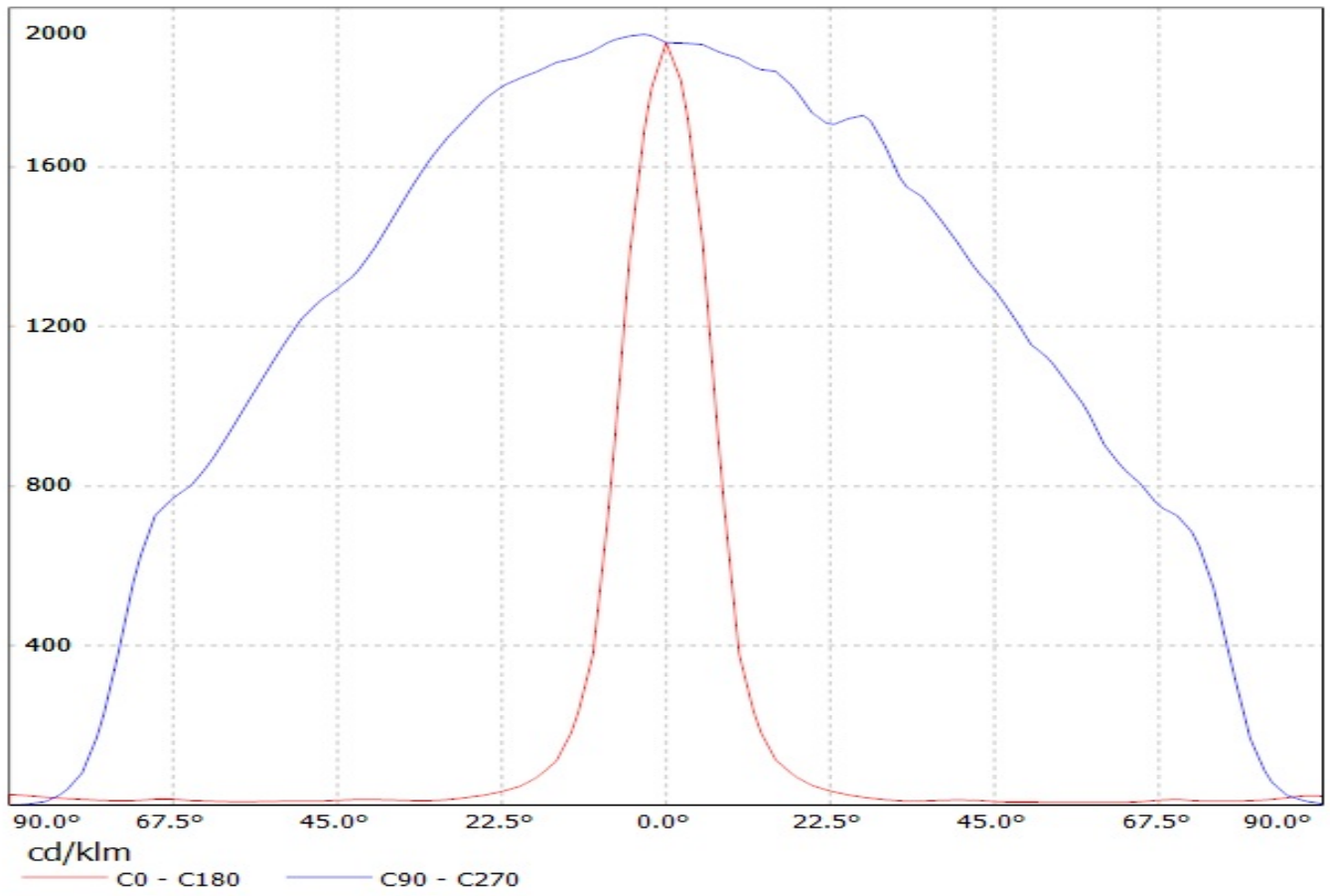
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XM-L 97lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XM-L 97lm @ 250mA



Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XP-G 70lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G 70lm @ 250mA

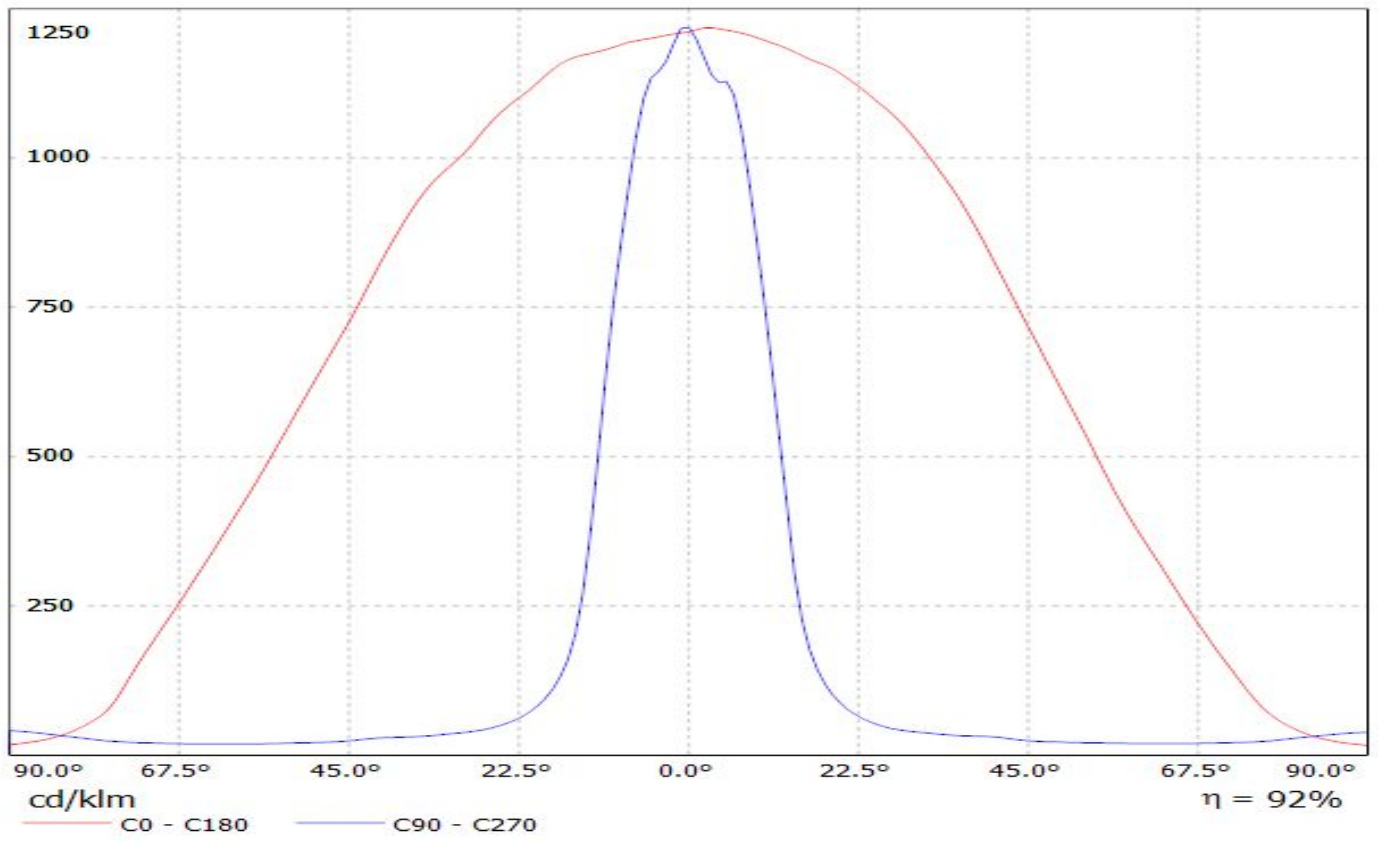


Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XT-E 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 98lm @ 250mA

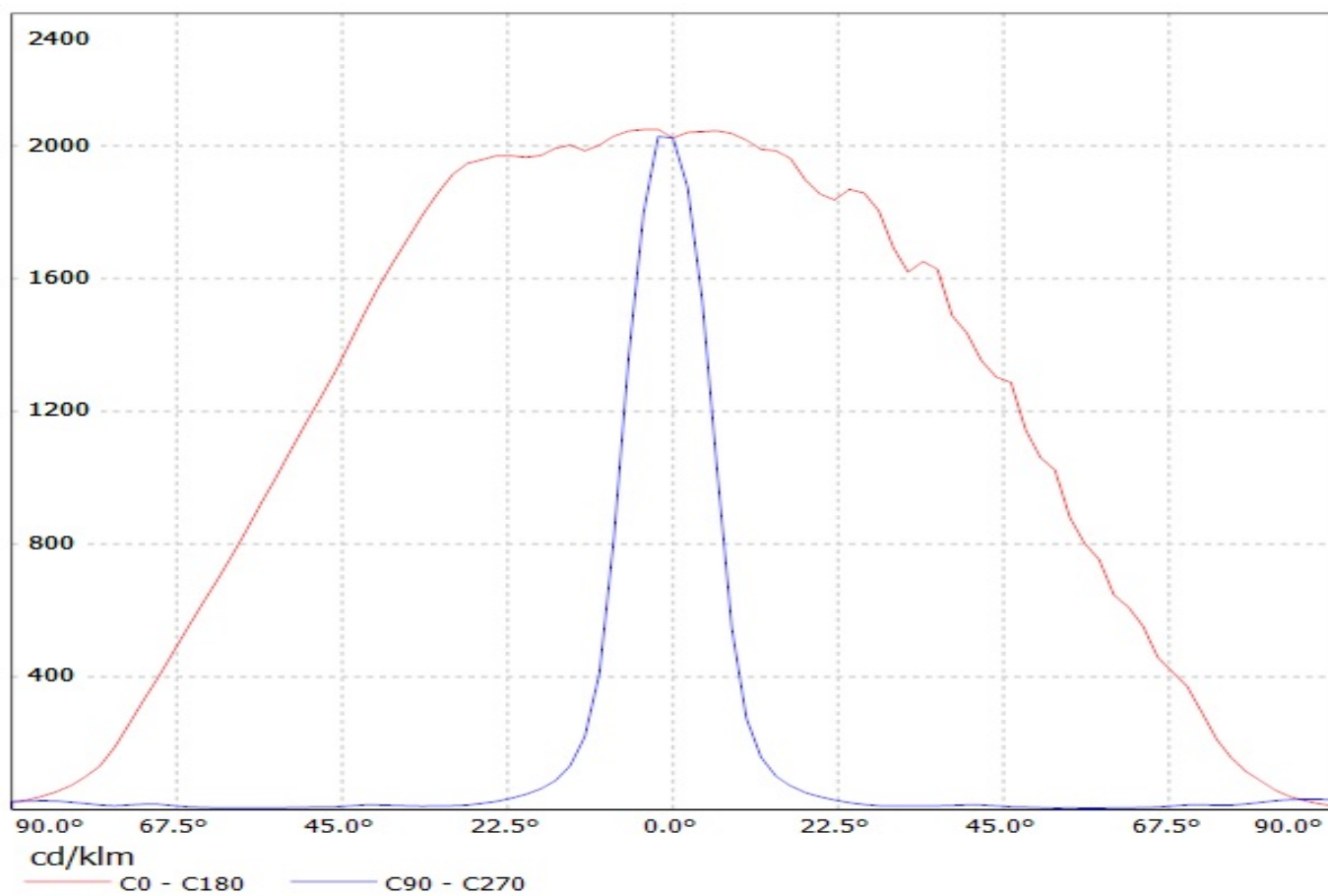


LEDiL Oy C13012_FLARE-MAXI-D_(MKR) Eff.92.2% / LDC (Linear)

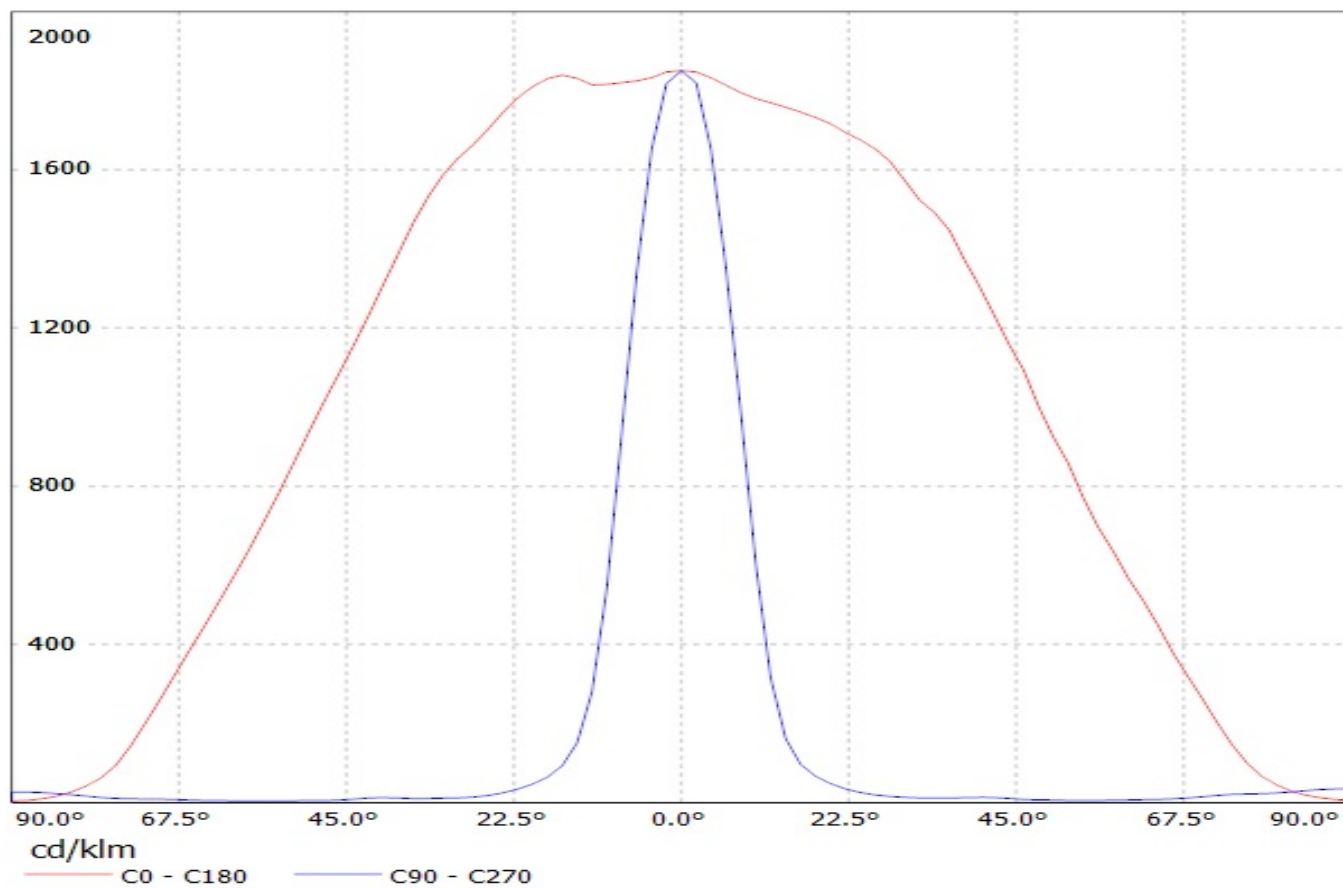
Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(MKR) Eff.92.2%
Lamps: 1 x CREE_MKR (368.505lm@250mA)



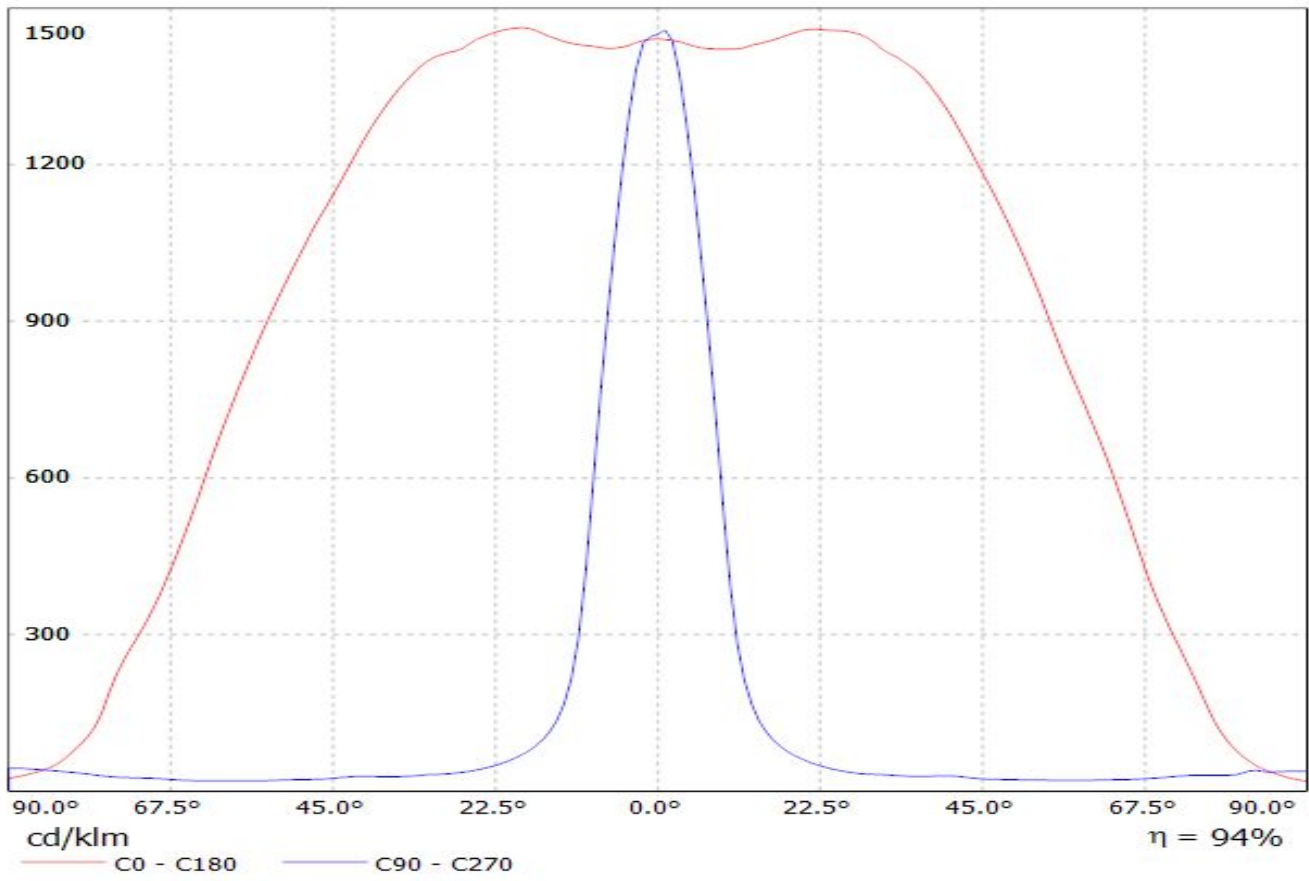
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XP-G2 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G2 98lm @ 250mA CCT=6596K P=0,75W I=250mA



Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(XM-L2) Efficiency=94%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

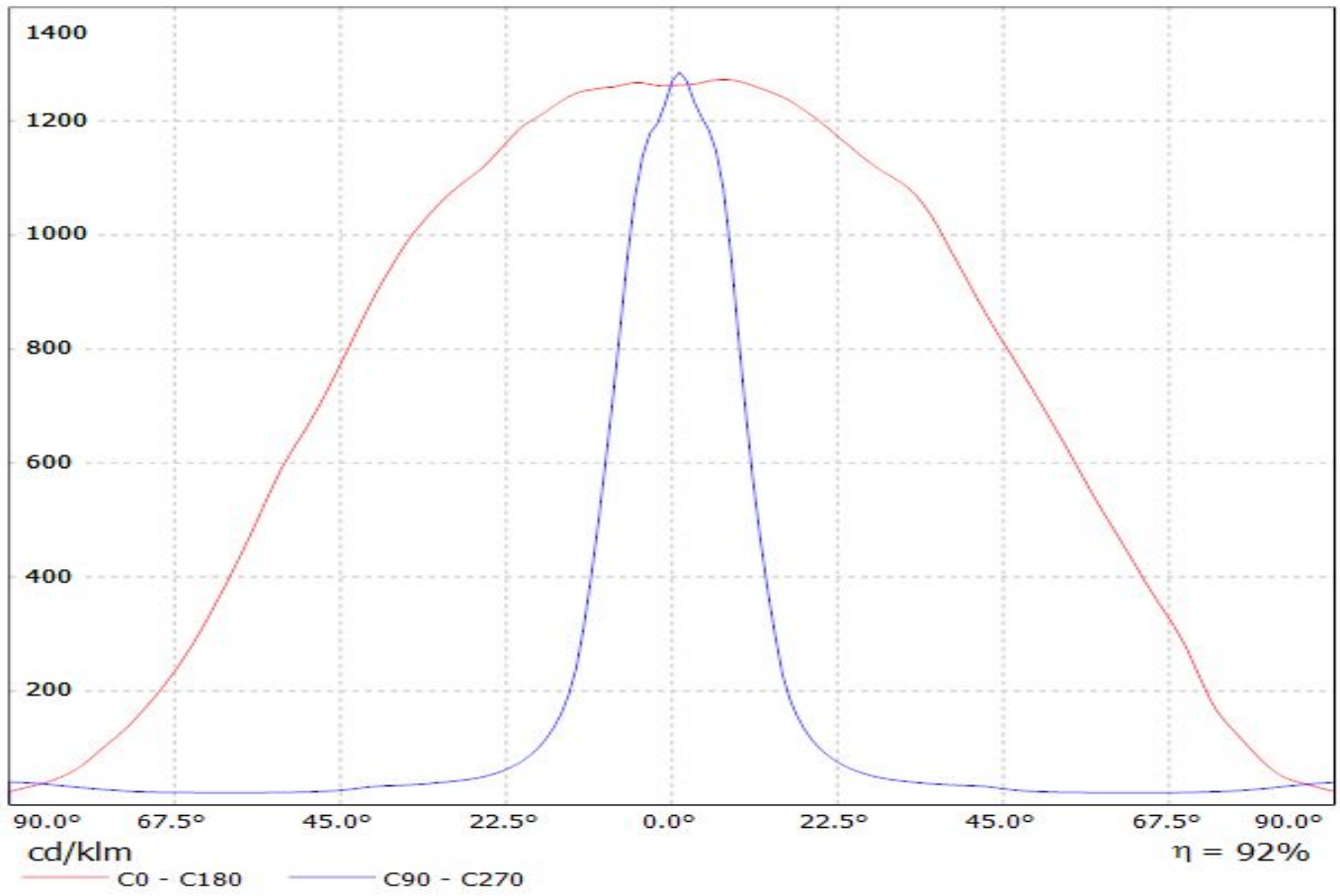


Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(XP-L)
Lamps: 1 x Cree_XP-L_130lm@250mA_P=0.73723W_I=249.9mA

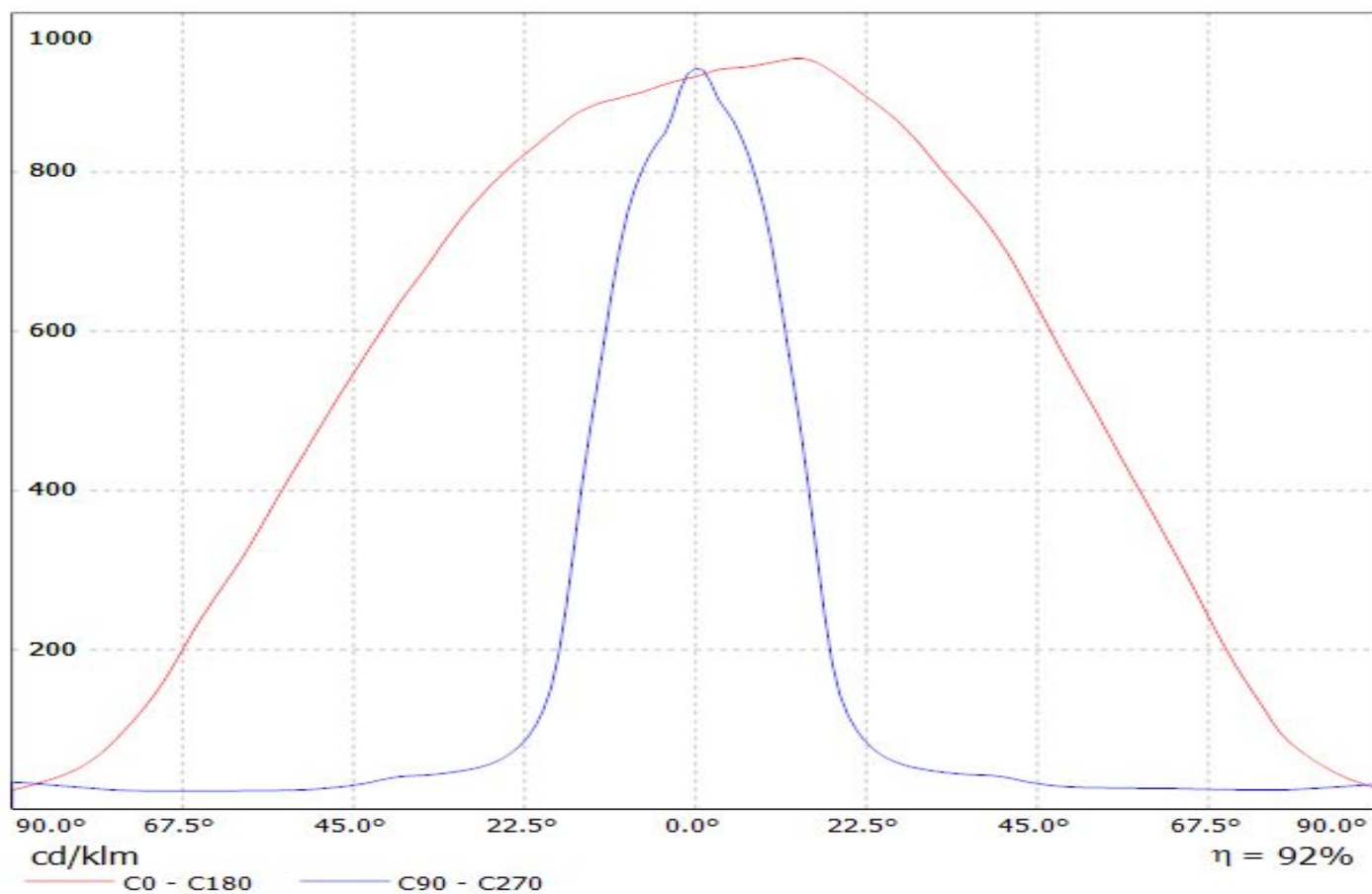


Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(CREE_XHP50_COOL_WHITE)

Lamps: 1 x CREE_XHP50_COOL_WHITE_242.068lm@250mA_CCT=COOLWHITE_I=02499mA_P=1.42958

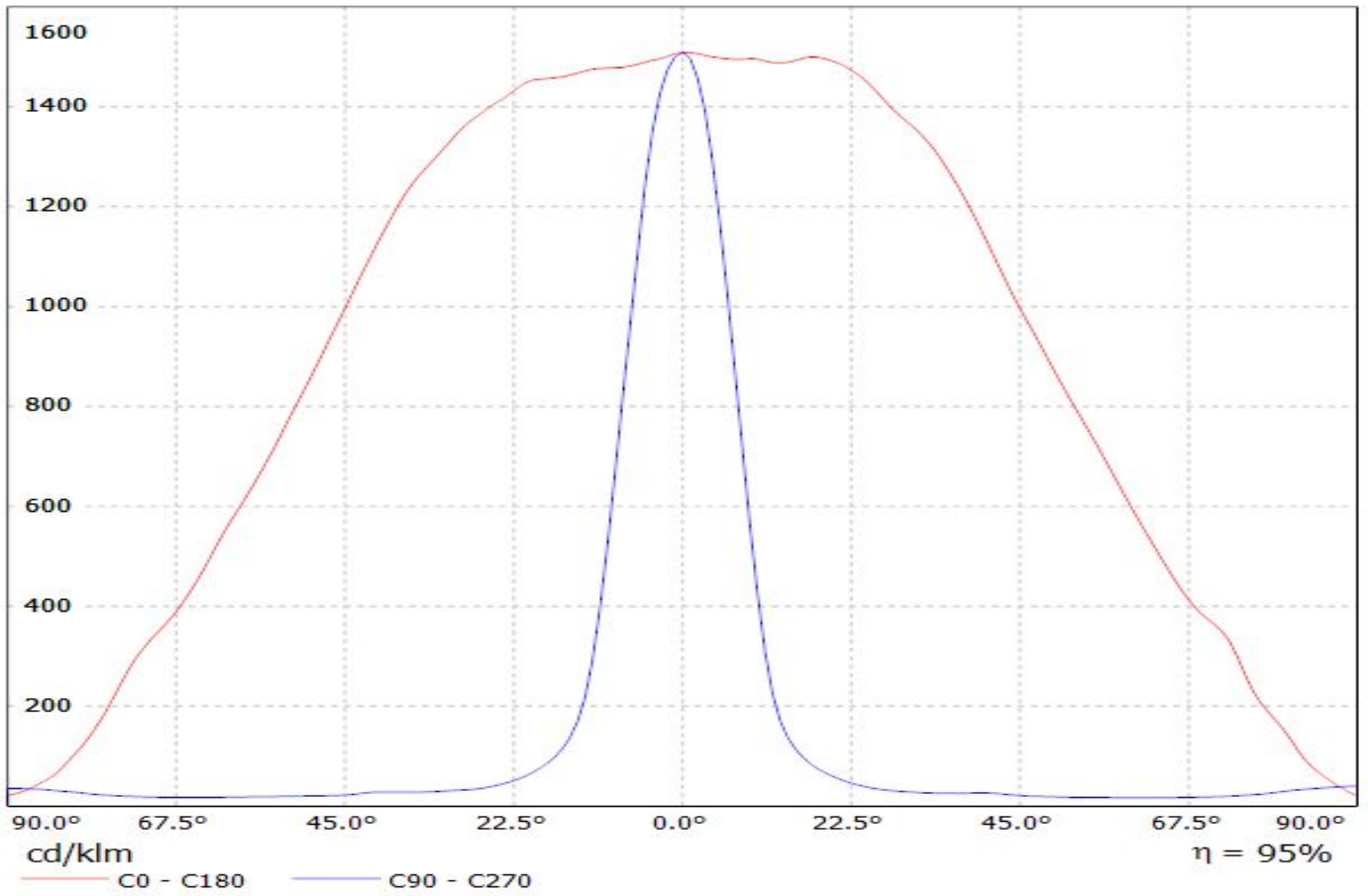


Luminaire: EVERFINE C13012_FLARE-MAXI-D (CREE_XHP70)
Lamps: 1 x CREE_XHP70_288.639lm@250mA_P=2.69892W_J=0.2499A



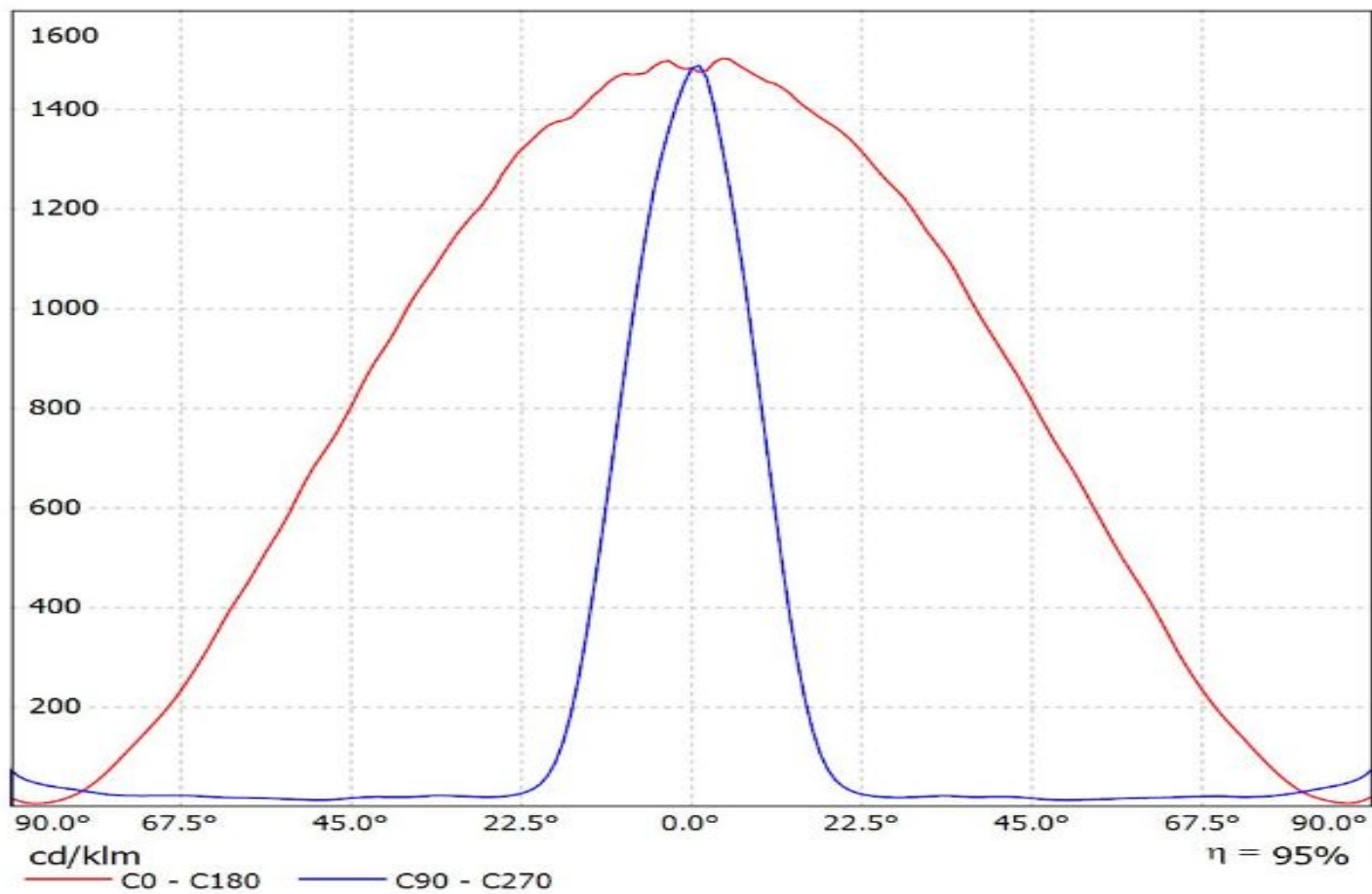
Luminaire: Ledil C13012_FLARE-MAXI-D_(XP-L2)

Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.75lm@250mA_P=0.721375W_I=0.25A

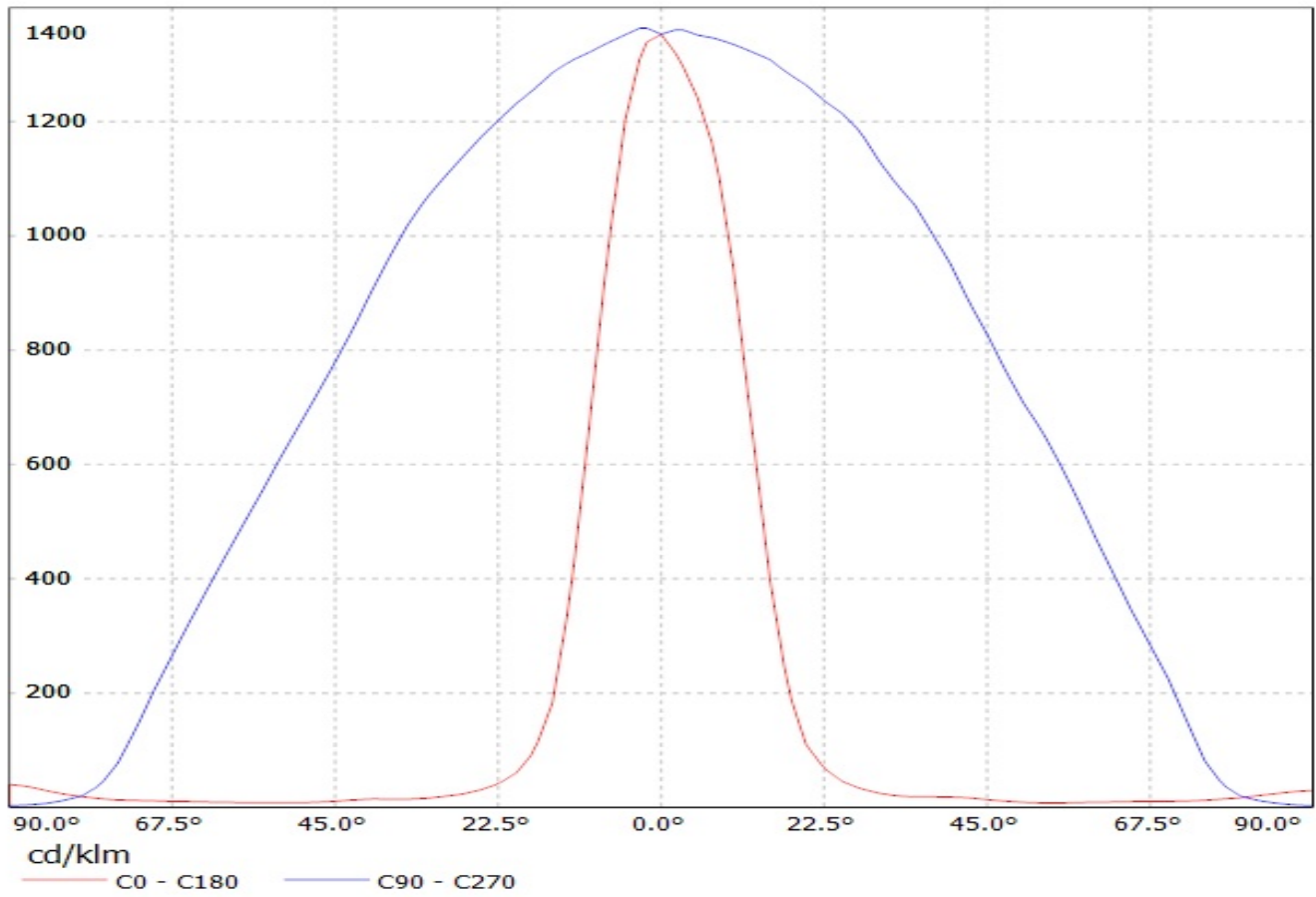


Luminaire: Ledil Oy C13012_FLARE-MAXI-D_(XHP50_2)_SIMULATED

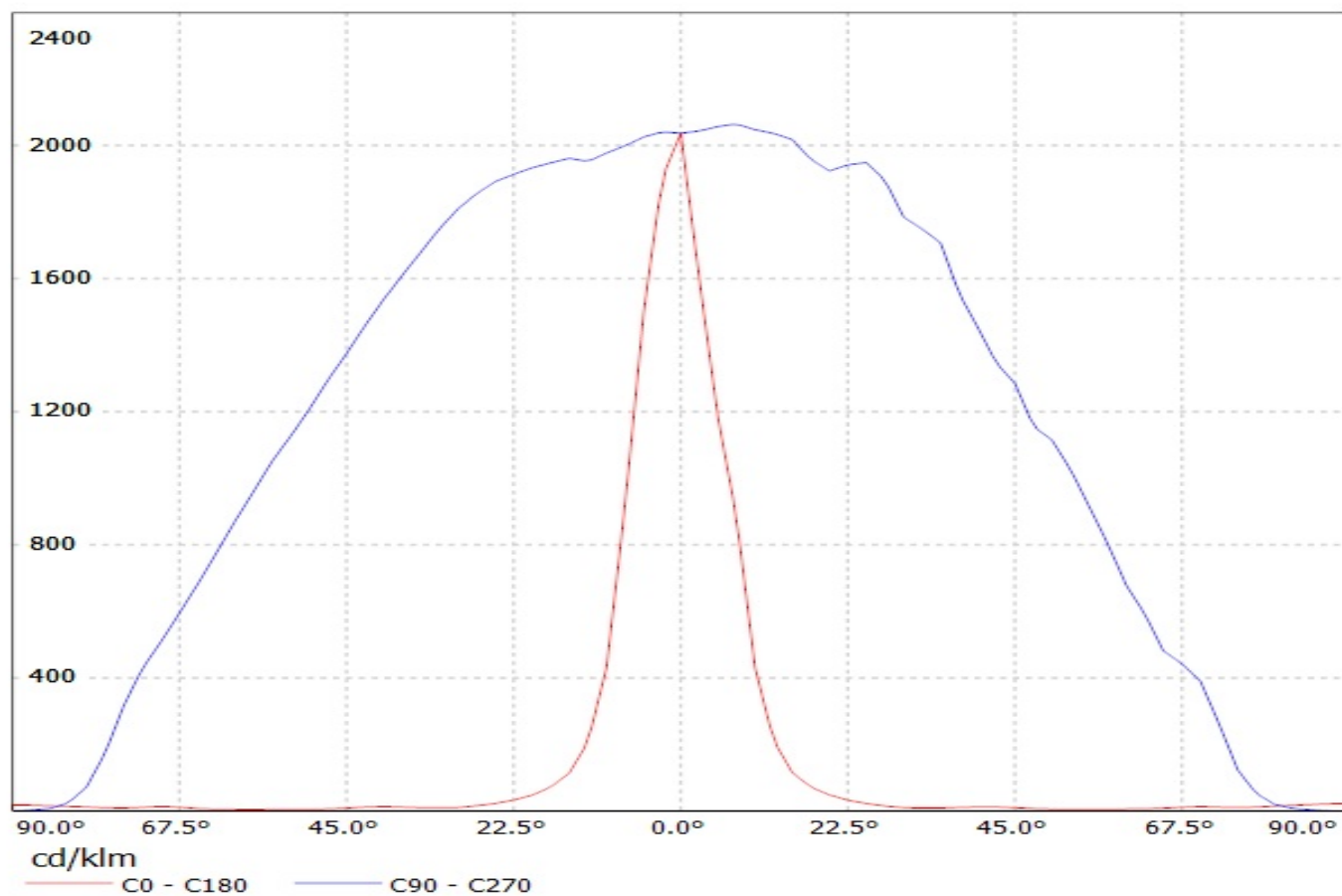
Lamps: 1 x Cree XHP50.2



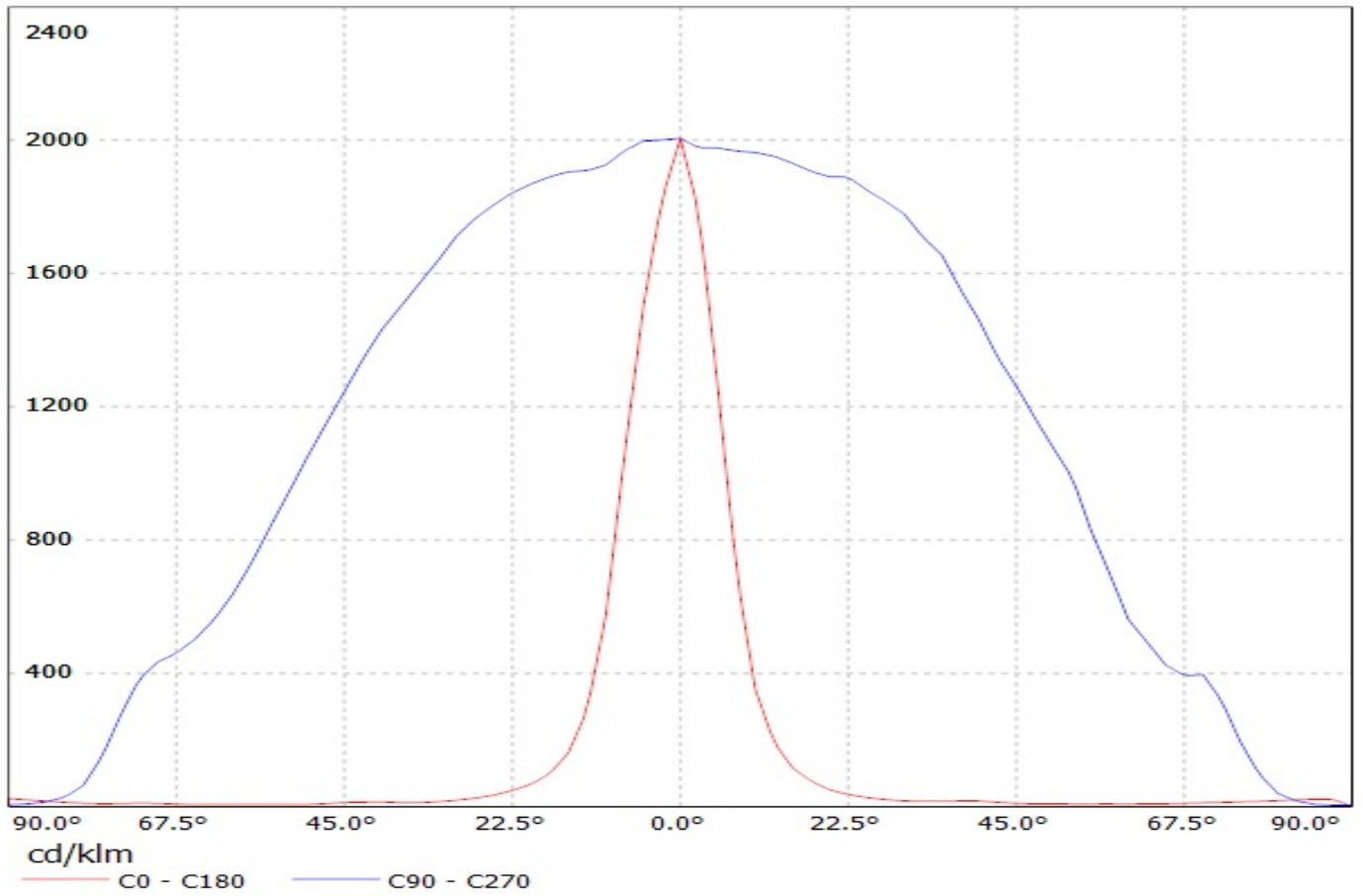
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Luxeon M 342lm @250mA) Efficiency=94%
Lamps: 1 x Luxeon M 342lm @250mA



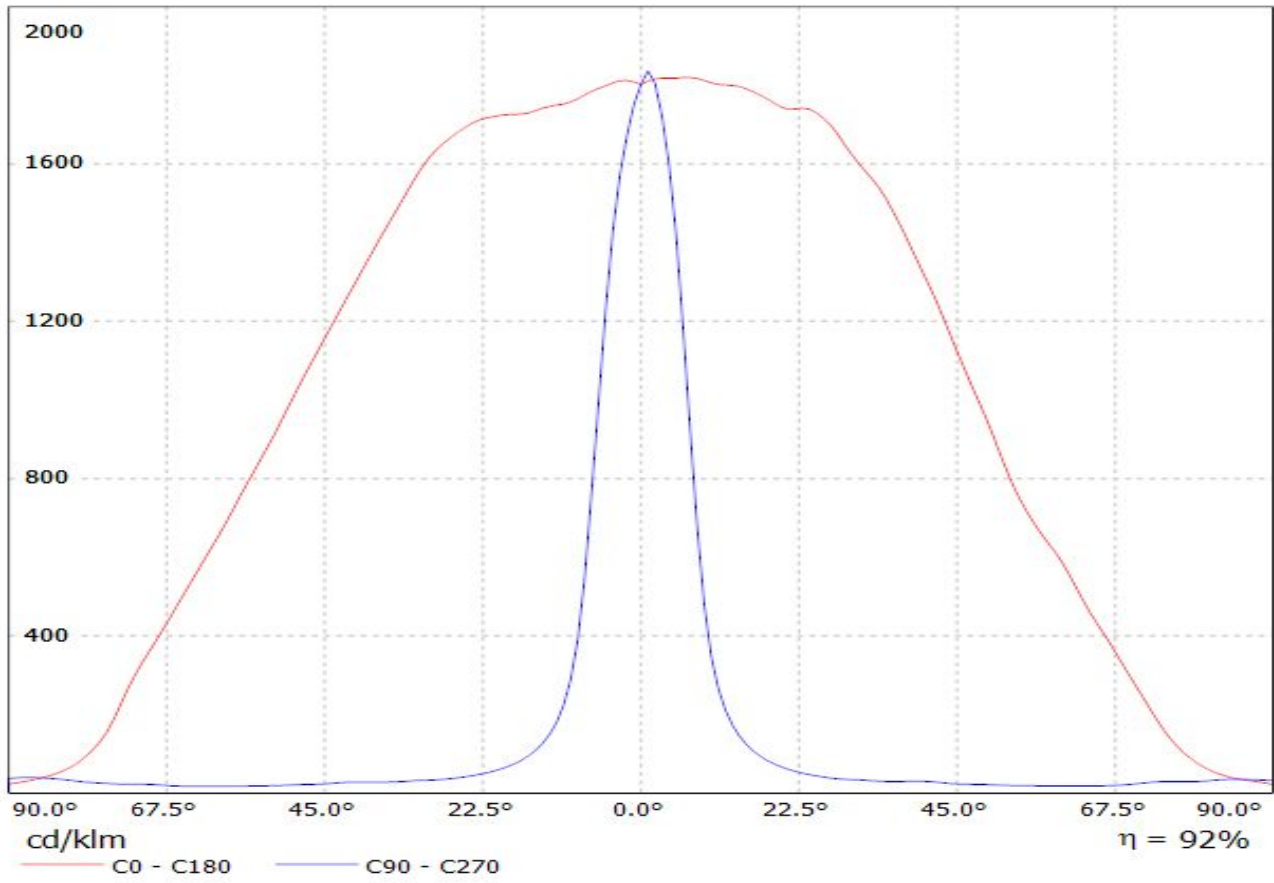
Luminaire: Ledil oy C13012_FLARE-MAXI-D (Luxeon A 64lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon A 64lm @ 250mA



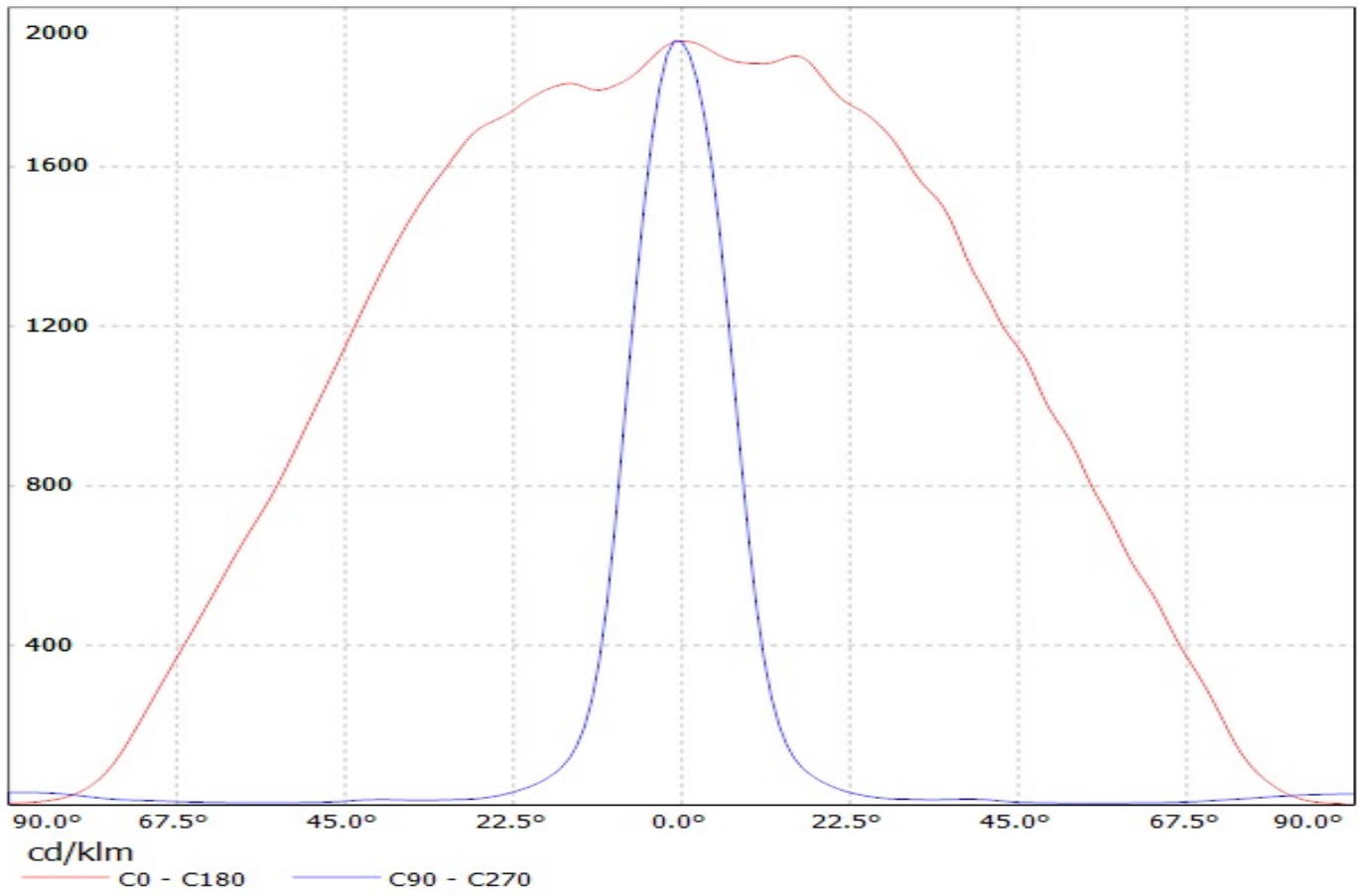
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Luxeon RE-ES 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon RE-ES 92lm @ 250mA



Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(LUXEON_T) Eff.92.0%
Lamps: 1 x LUXEON T (74lm@250mA)

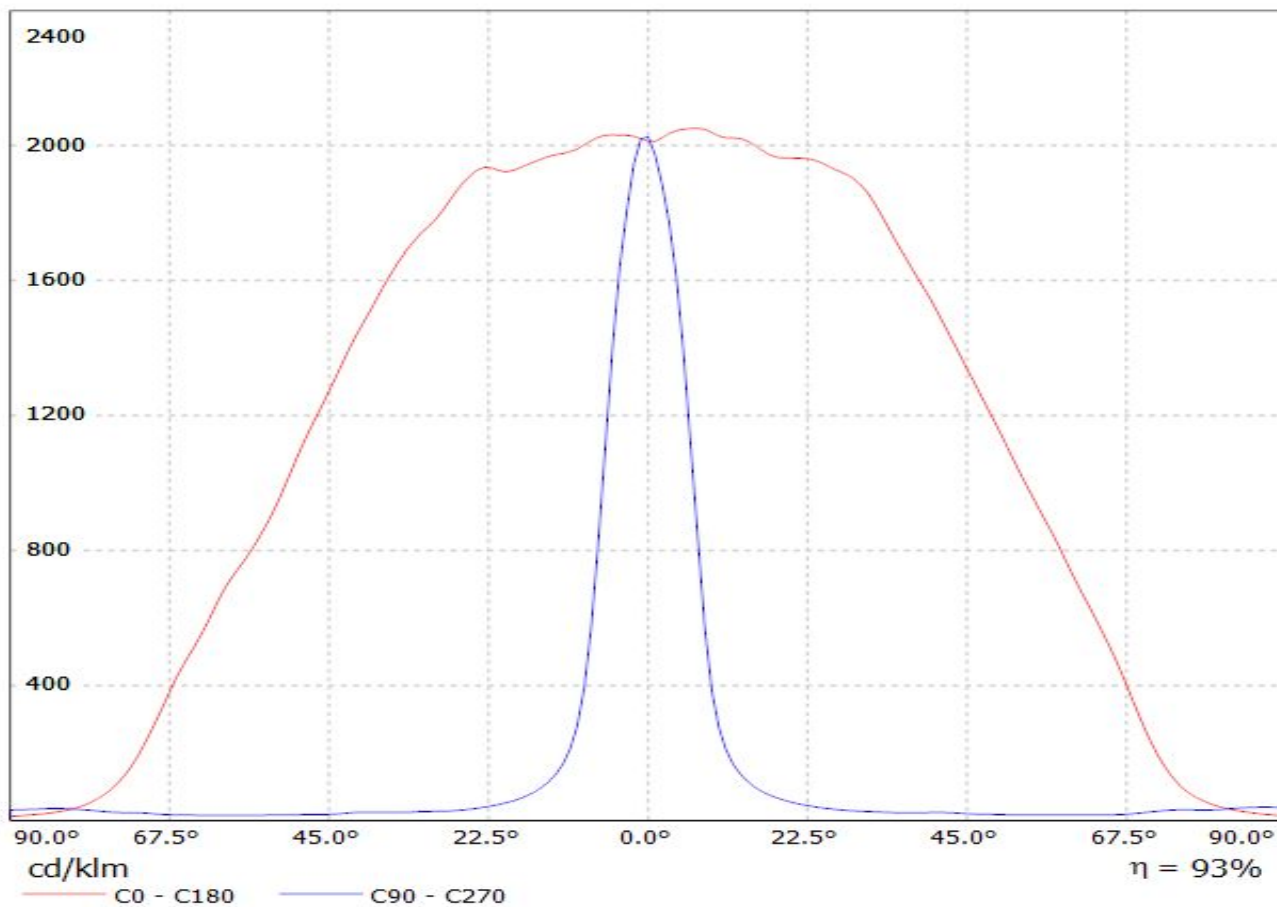


Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Luxeon_MZ) Efficiency=94%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

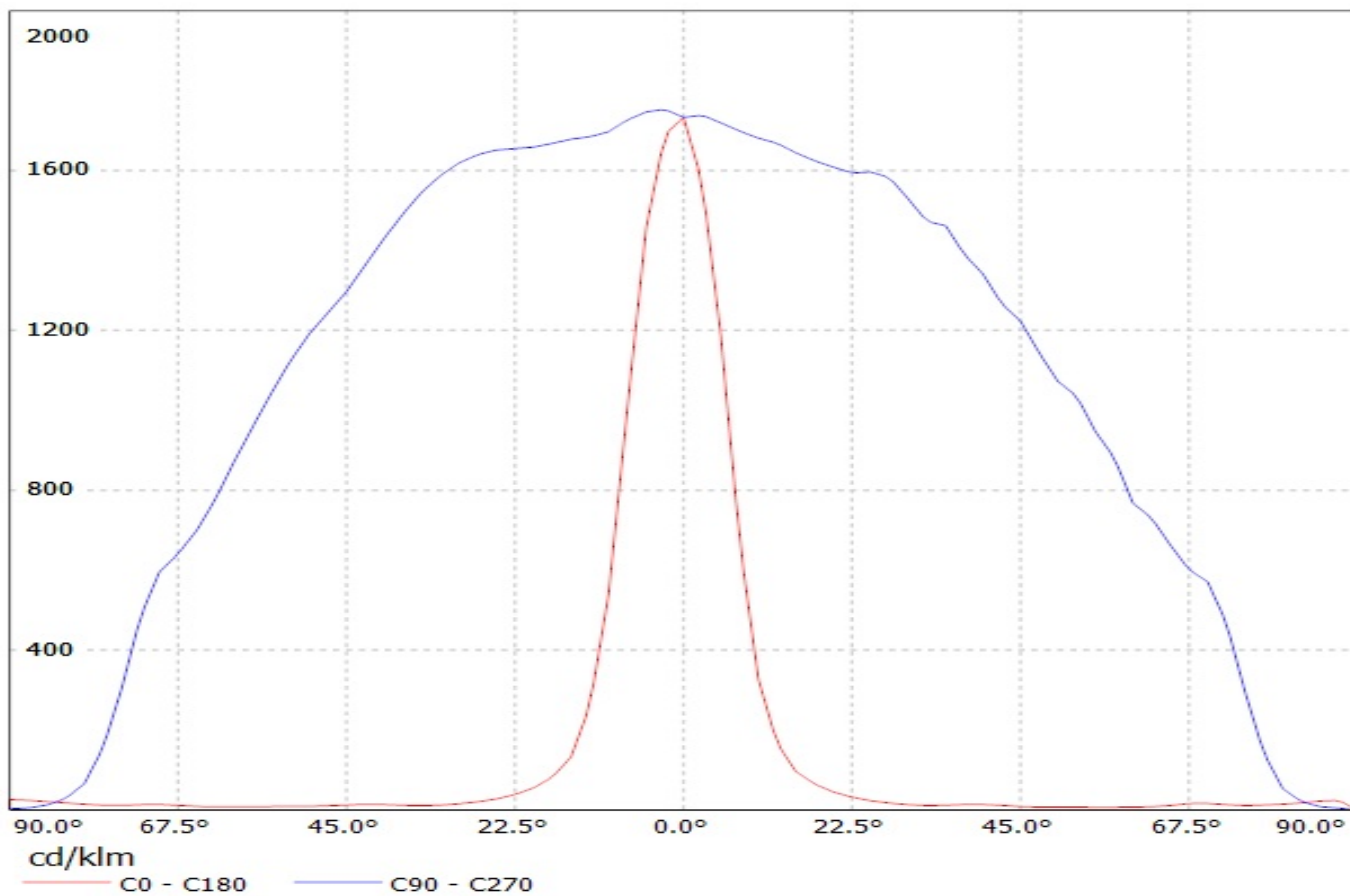


Luminaire: LEDiL Oy C13012_FLARE-MAXI-D (Luxeon_TX)

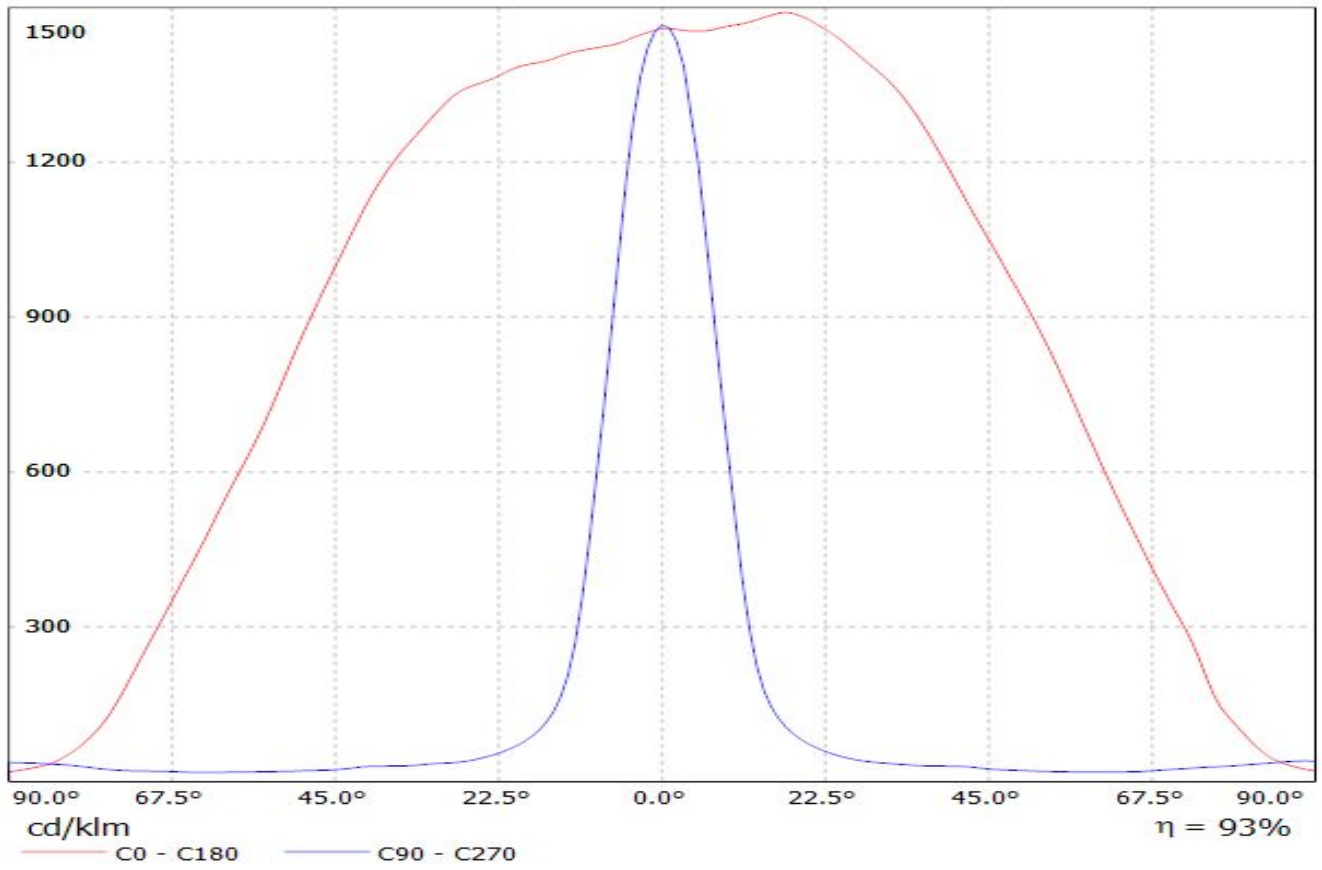
Lamps: 1 x Luxeon_TX_(L1T2-3585)_80.1801lm@250mA_CCT=3500K_P=0.731482W_I=249.9mA



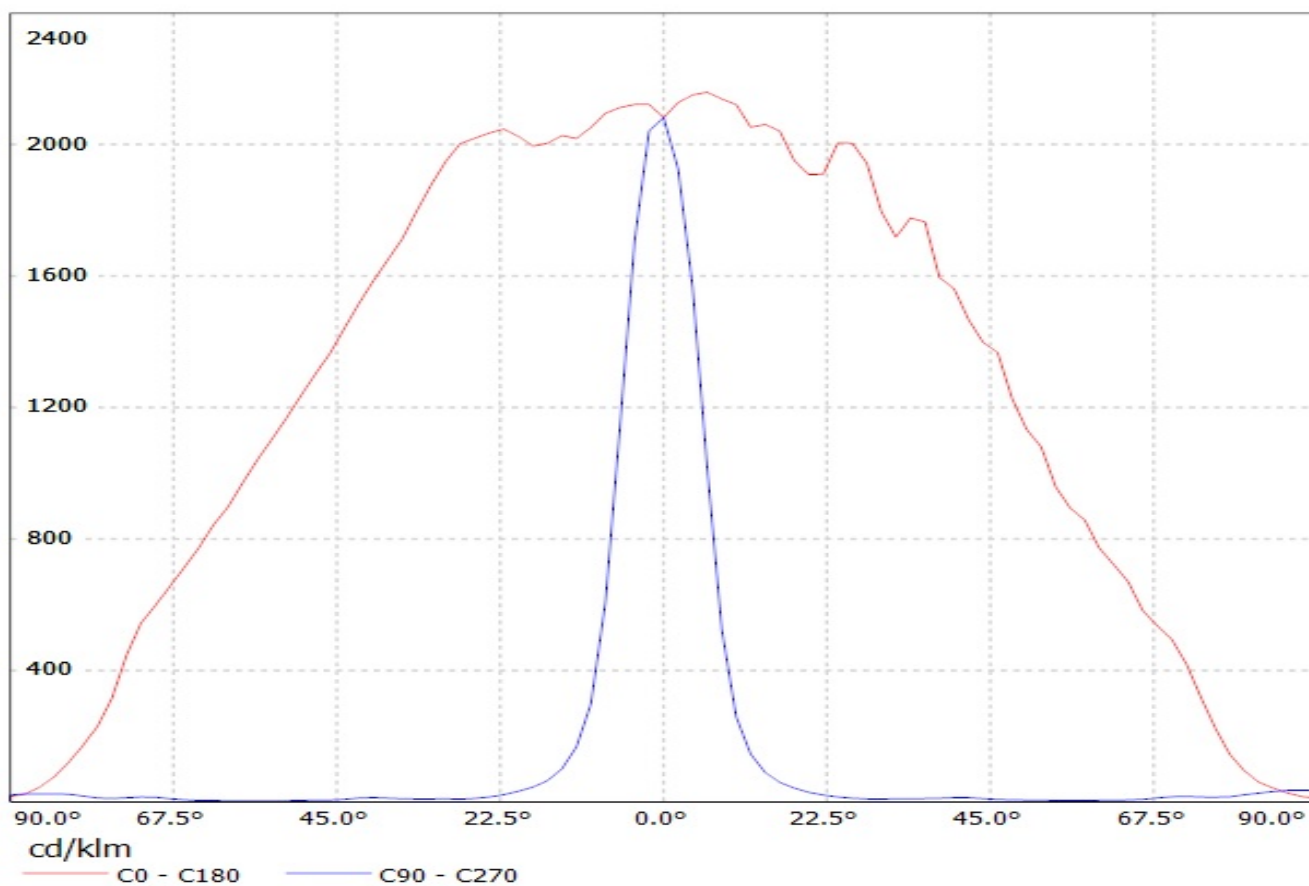
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Nichia 219B 103lm @ 250mA) Efficiency=94%
Lamps: 1 x Nichia 219B 103lm @ 250mA



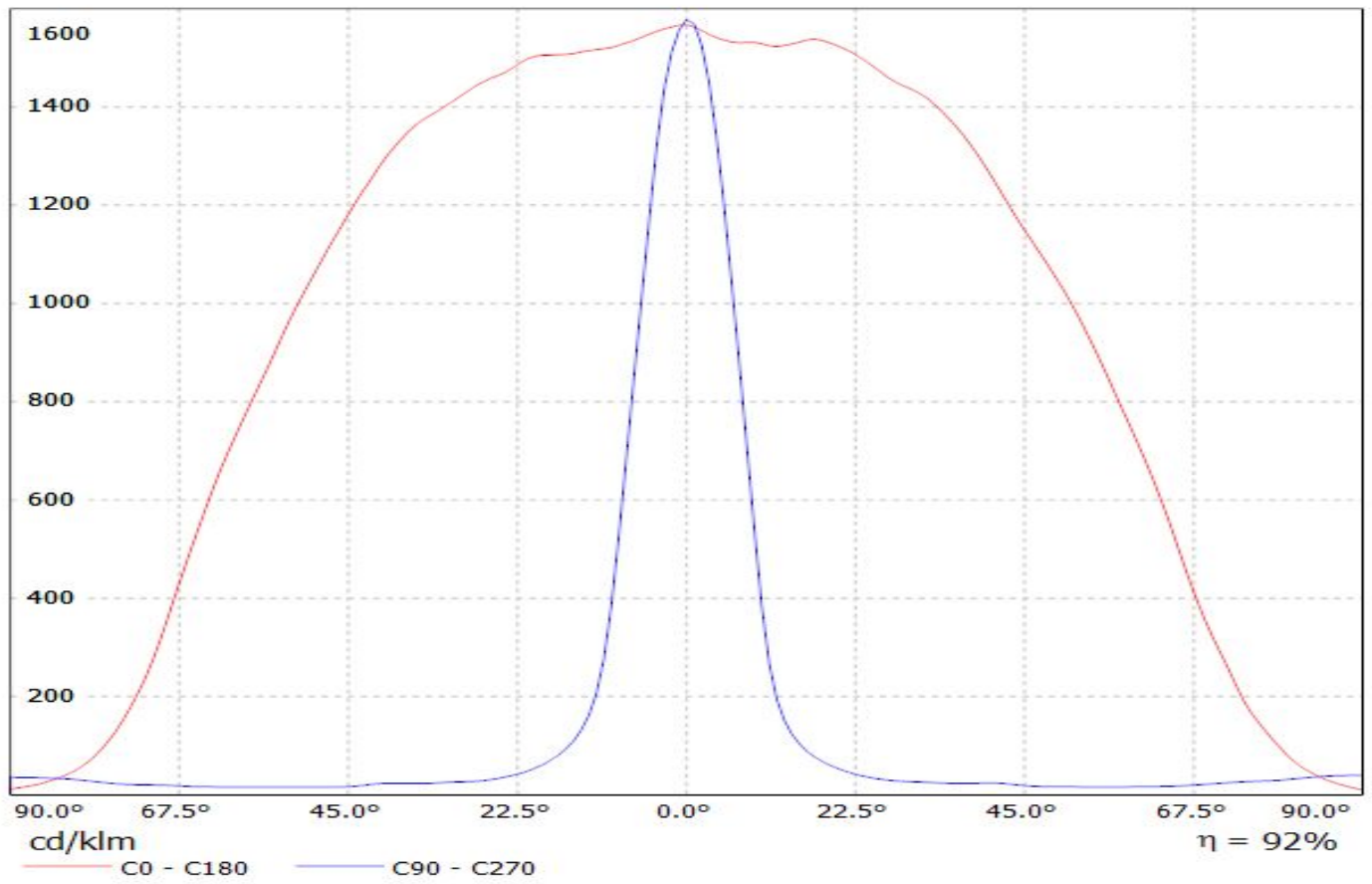
Luminaire: LEDiL Oy C13012_FLARE-MAXI-D Eff.93.2%
Lamps: 1 x Nichia NS9x383(107.656lm@250mA)



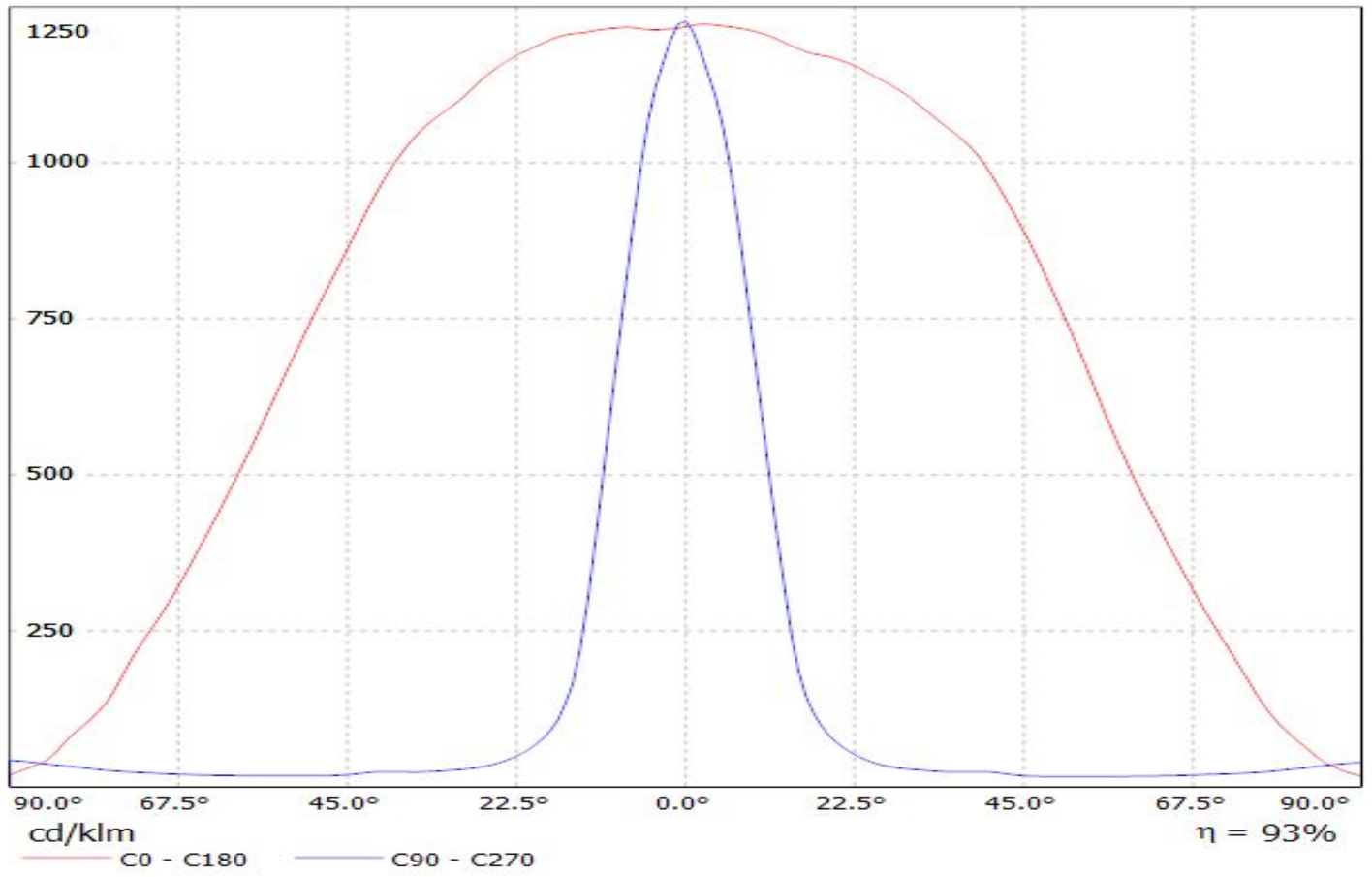
Luminaire: Ledil Oy C13012_FLARE-MAXI-D_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NSCxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



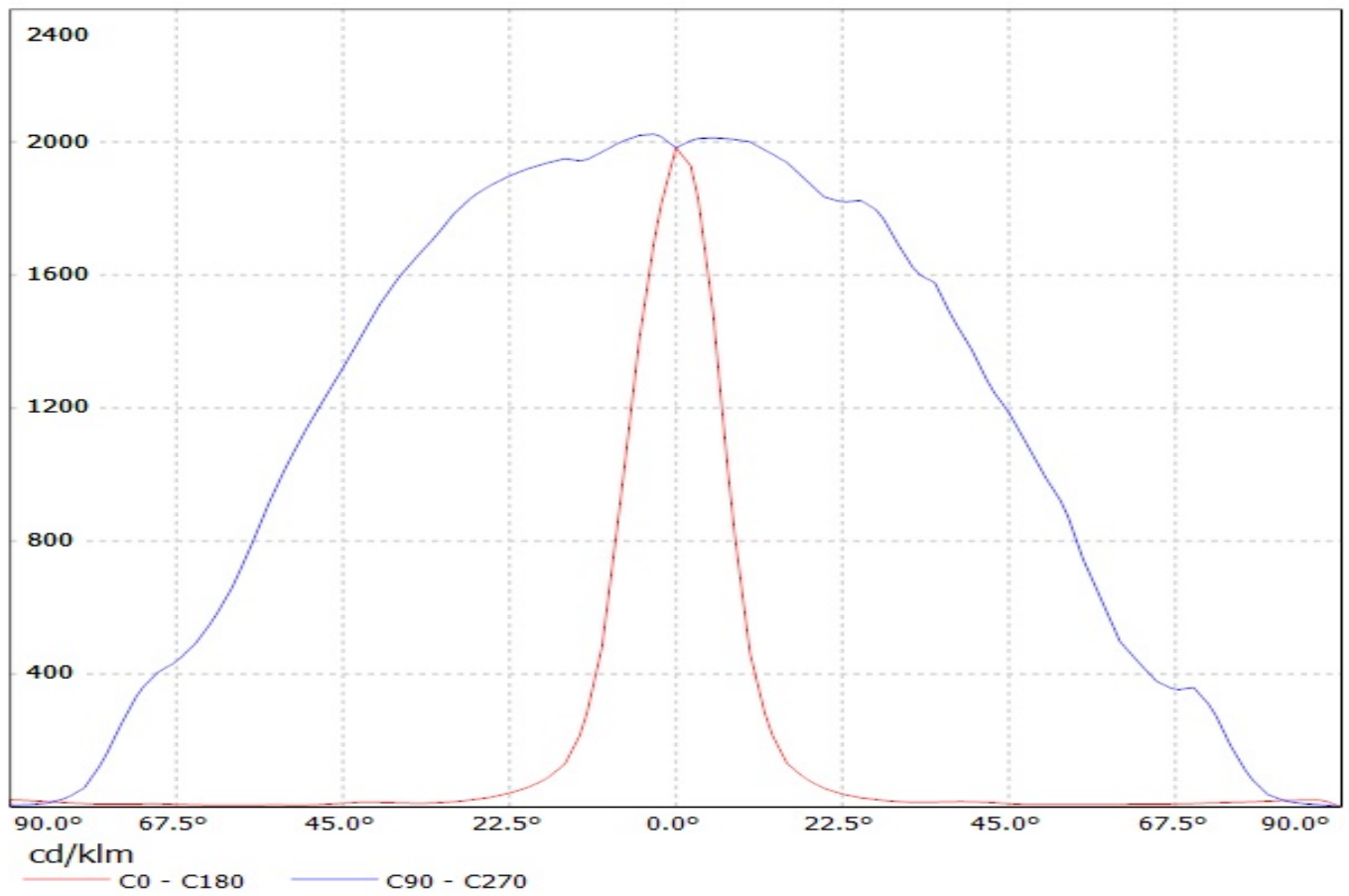
Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(NWSL229AE)
Lamps: 1 x Nichia_NWSL229AE_120.54lm@250mA_P=0.7128W_I=0.250A



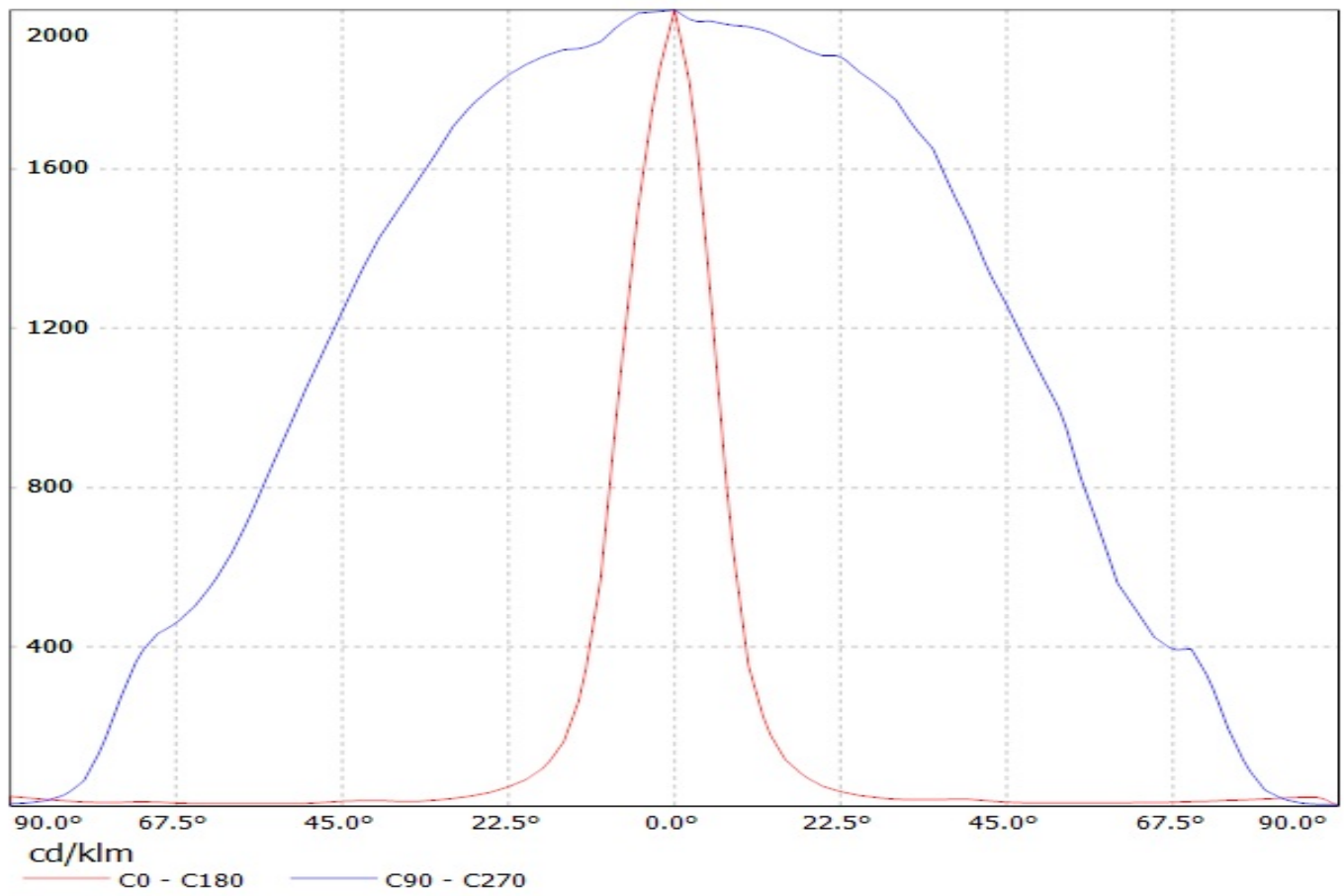
Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(Nichia_NV4x144A)
Lamps: 1 x Nichia_NV4x144A_478.709lm@250mA_P=2.8097W_I=0.250A



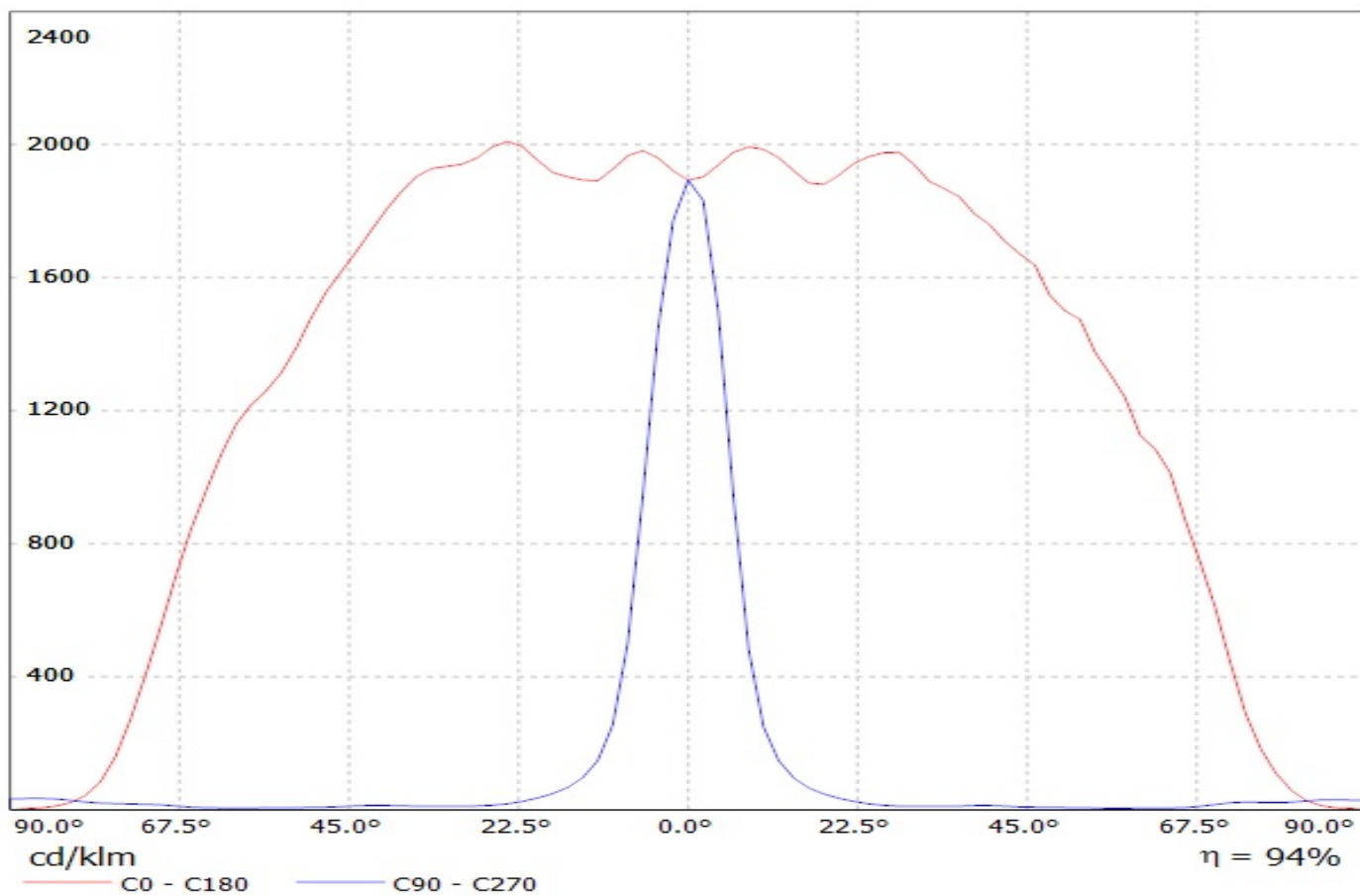
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Osam Square EC 66lm @250mA) Efficiency=94%
Lamps: 1 x Osam Square EC 66lm @250mA



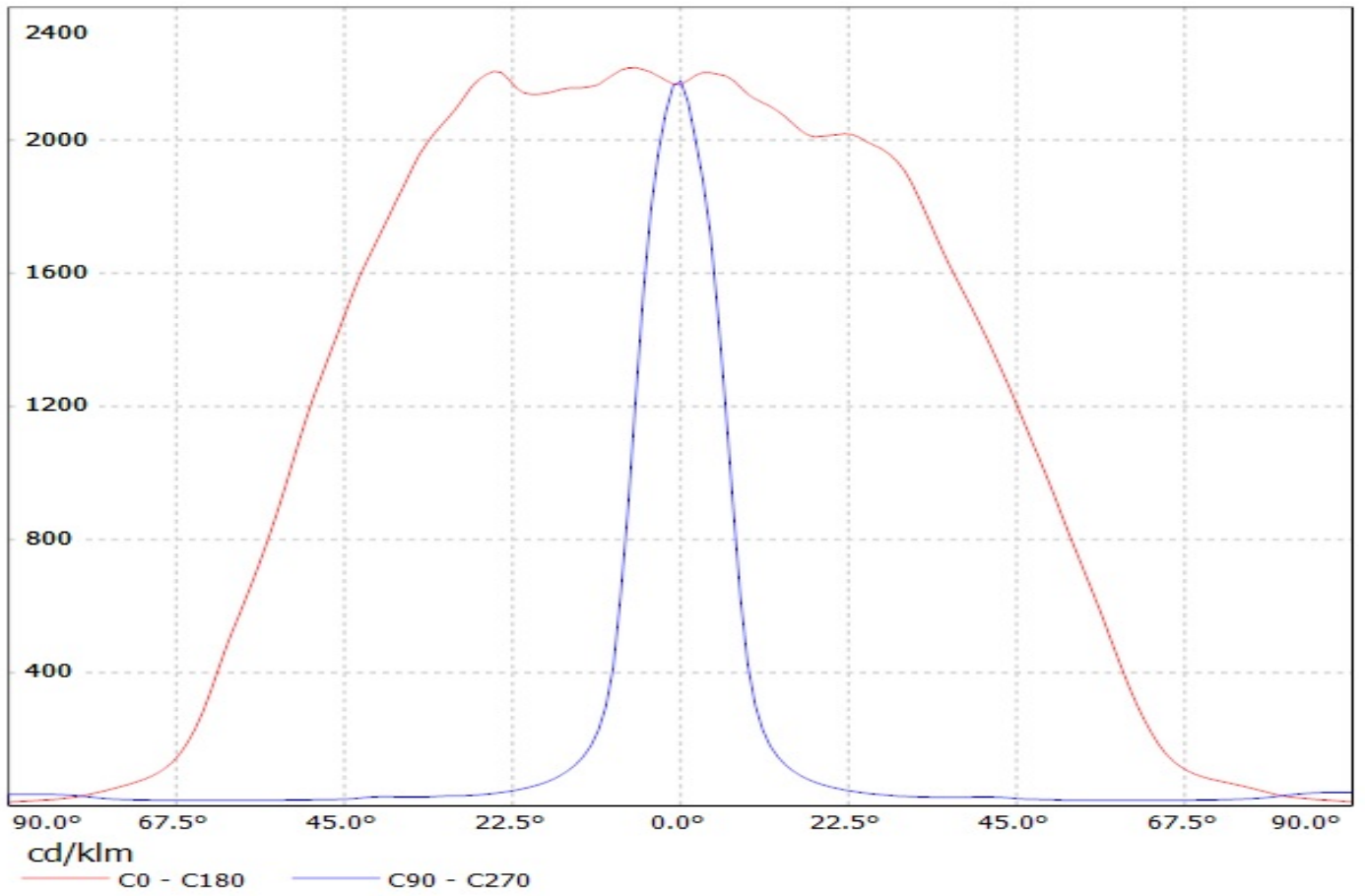
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Osram Square PC 88lm @ 250mA) Efficiency=94%
Lamps: 1 x Osram Square PC 88lm @ 250mA



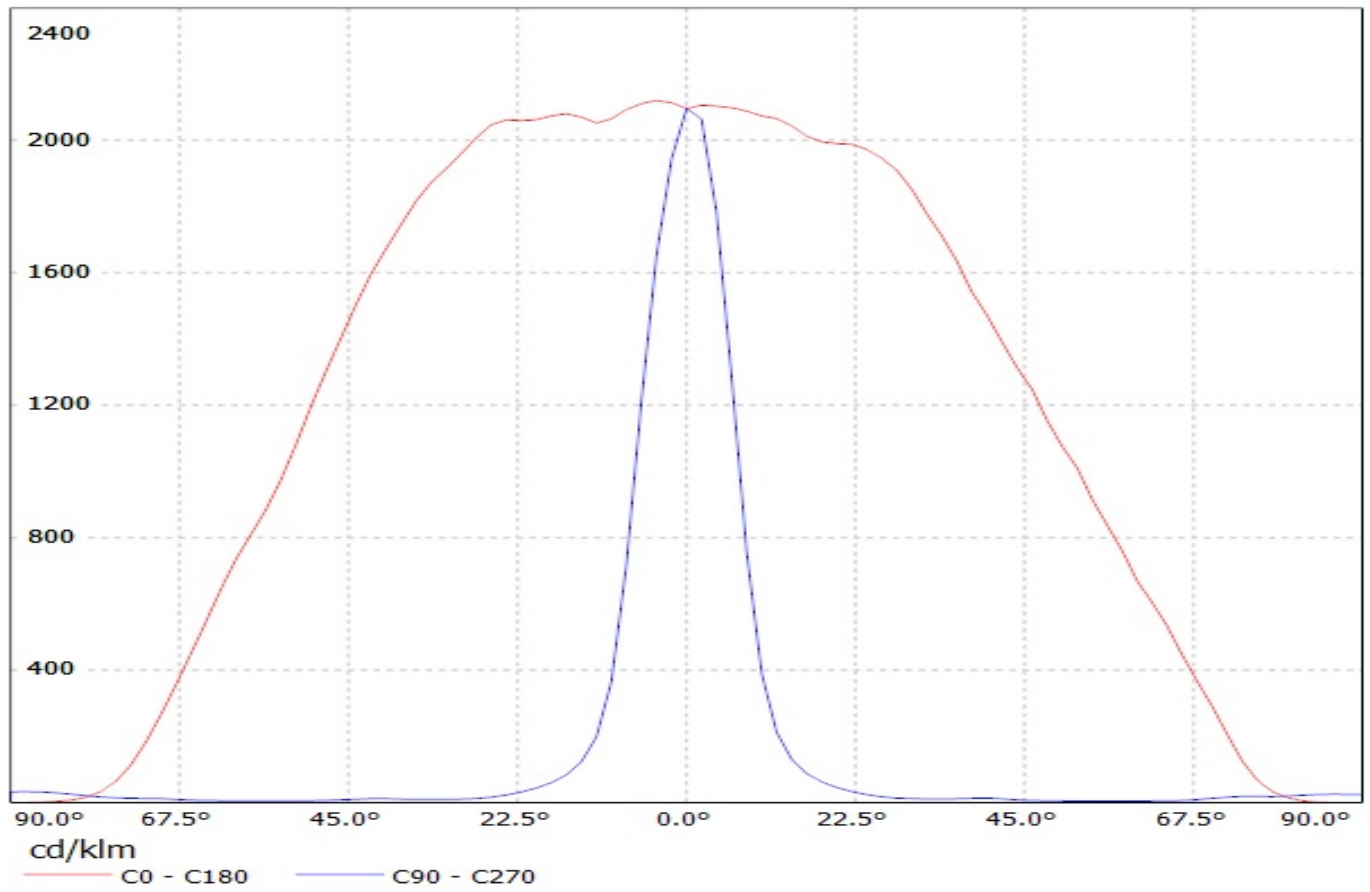
Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Oslon_SSL_150)
Lamps: 1 x Osram Oslon SSL 150 (78.52lm @ 250mA) P=0.7W I=250mA



Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(LH351Z) Eff.94.1%
Lamps: 1 x SAMSUNG_LH351Z_90.8111lm@250mA_P=0.748076W_I=249.9mA

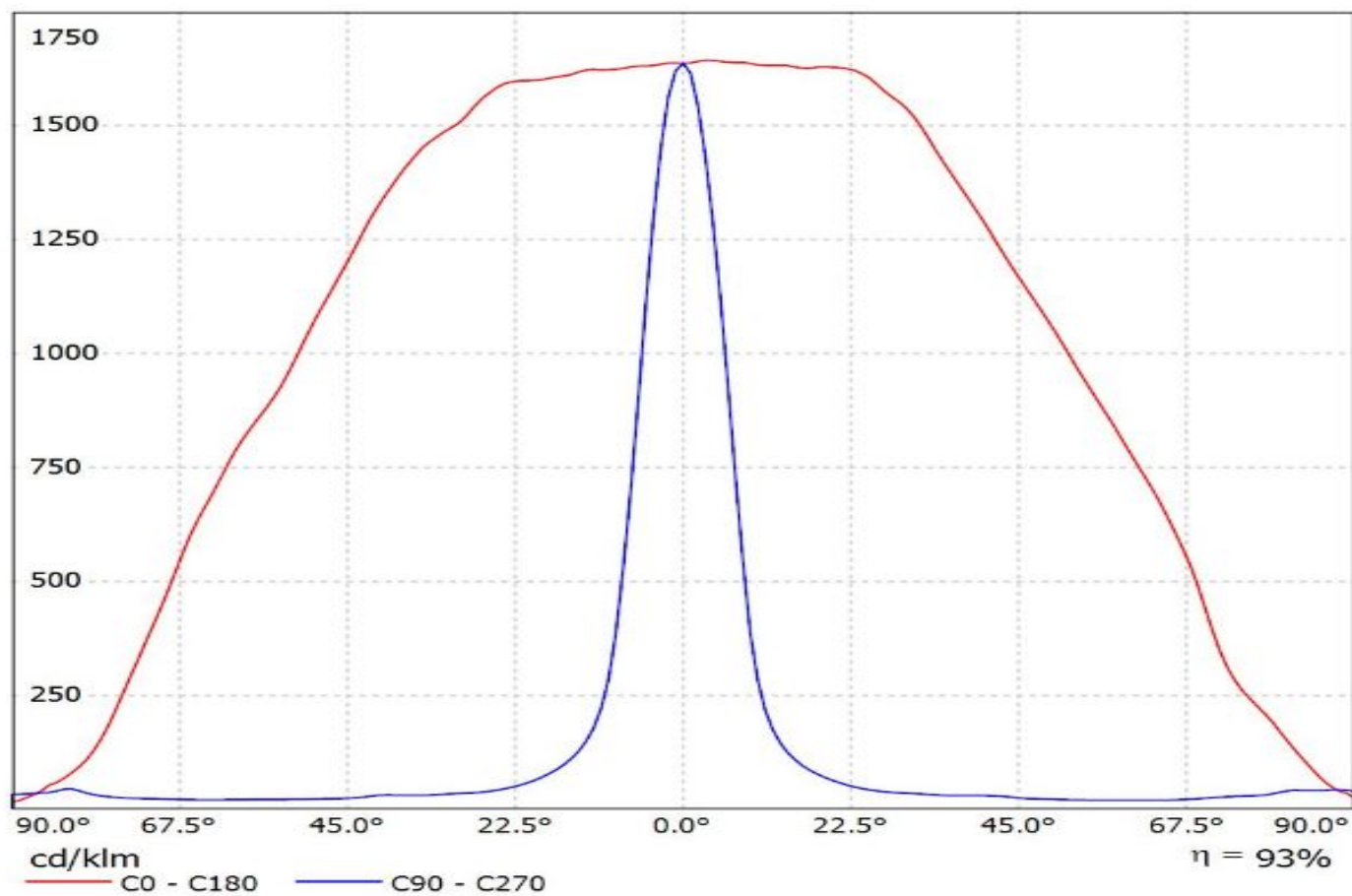


Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Z5M1) Efficiency=94%
Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA

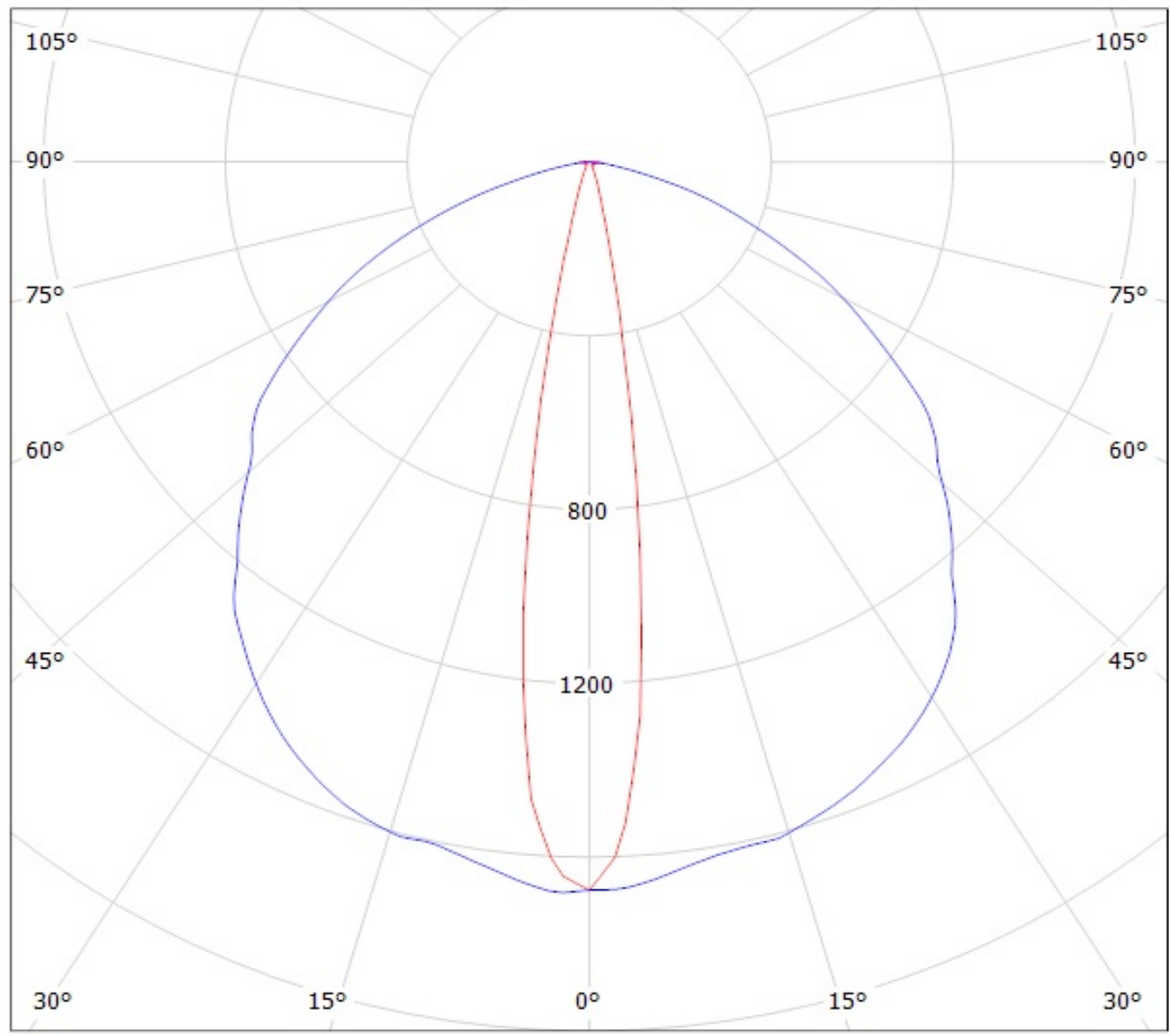


Luminaire: Ledil C13012_FLARE-MAXI-D_(Z8Y22P)

Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A



Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XM-L 97lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XM-L 97lm @ 250mA

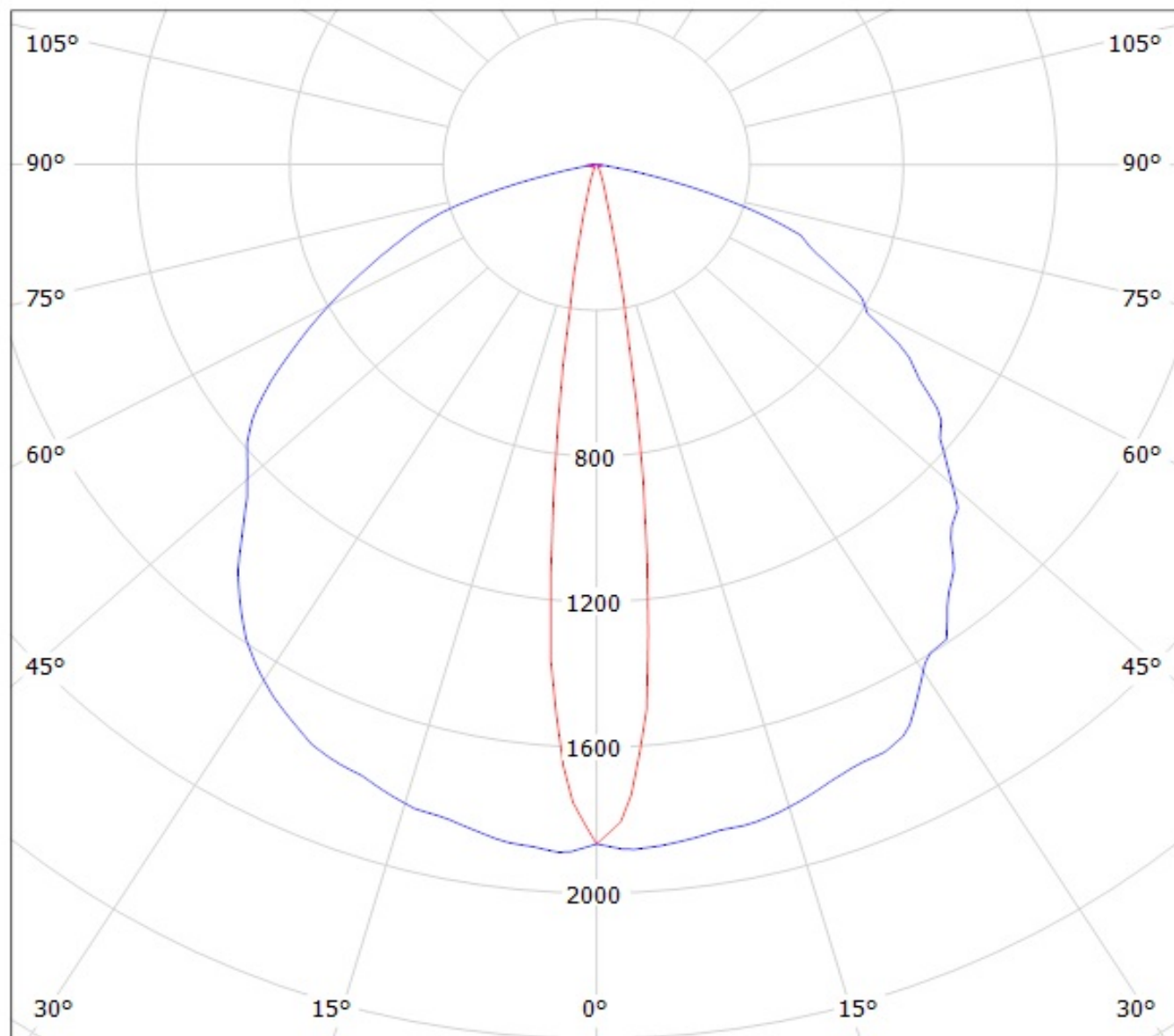


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XP-G 70lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G 70lm @ 250mA

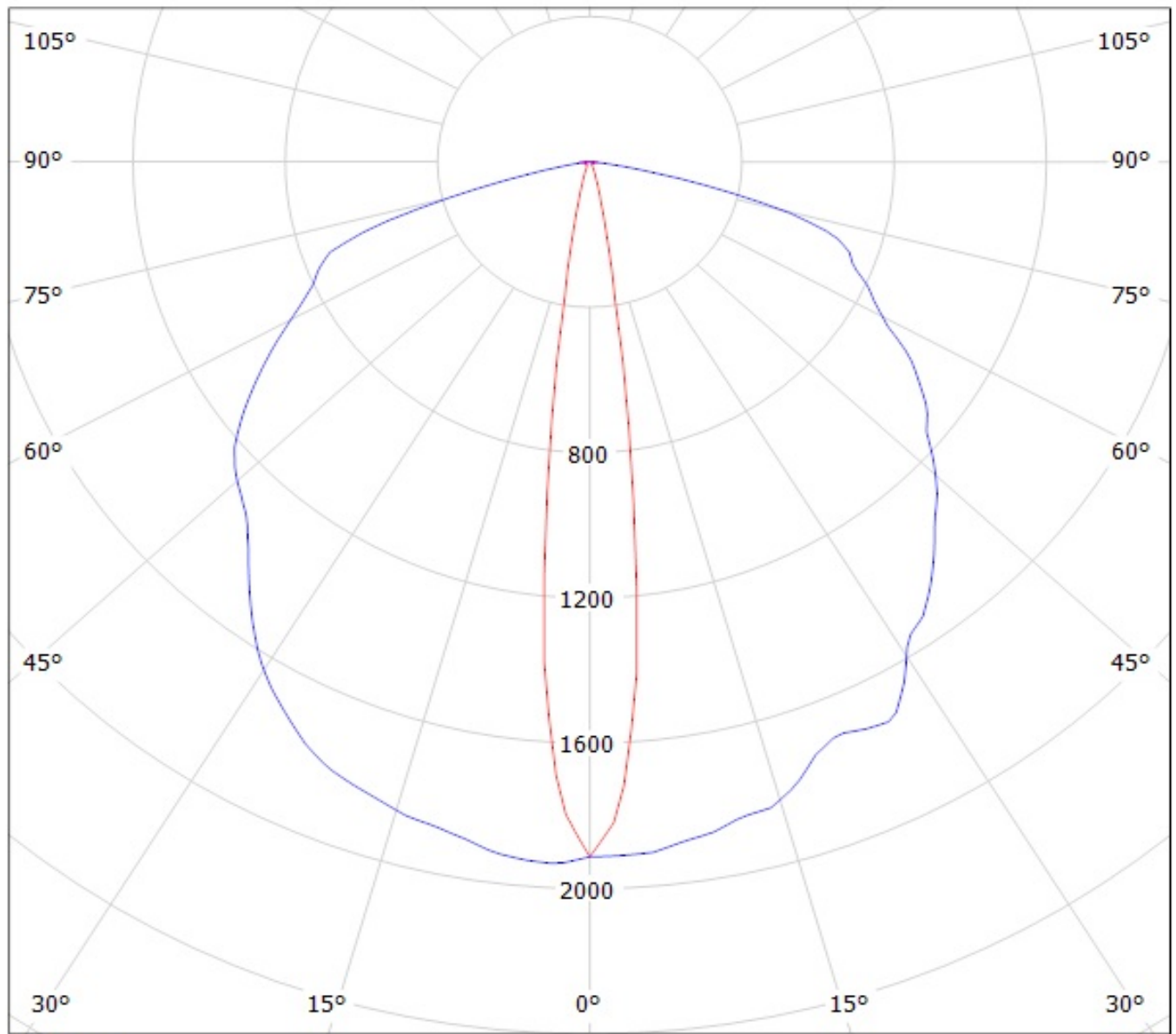


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XT-E 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm

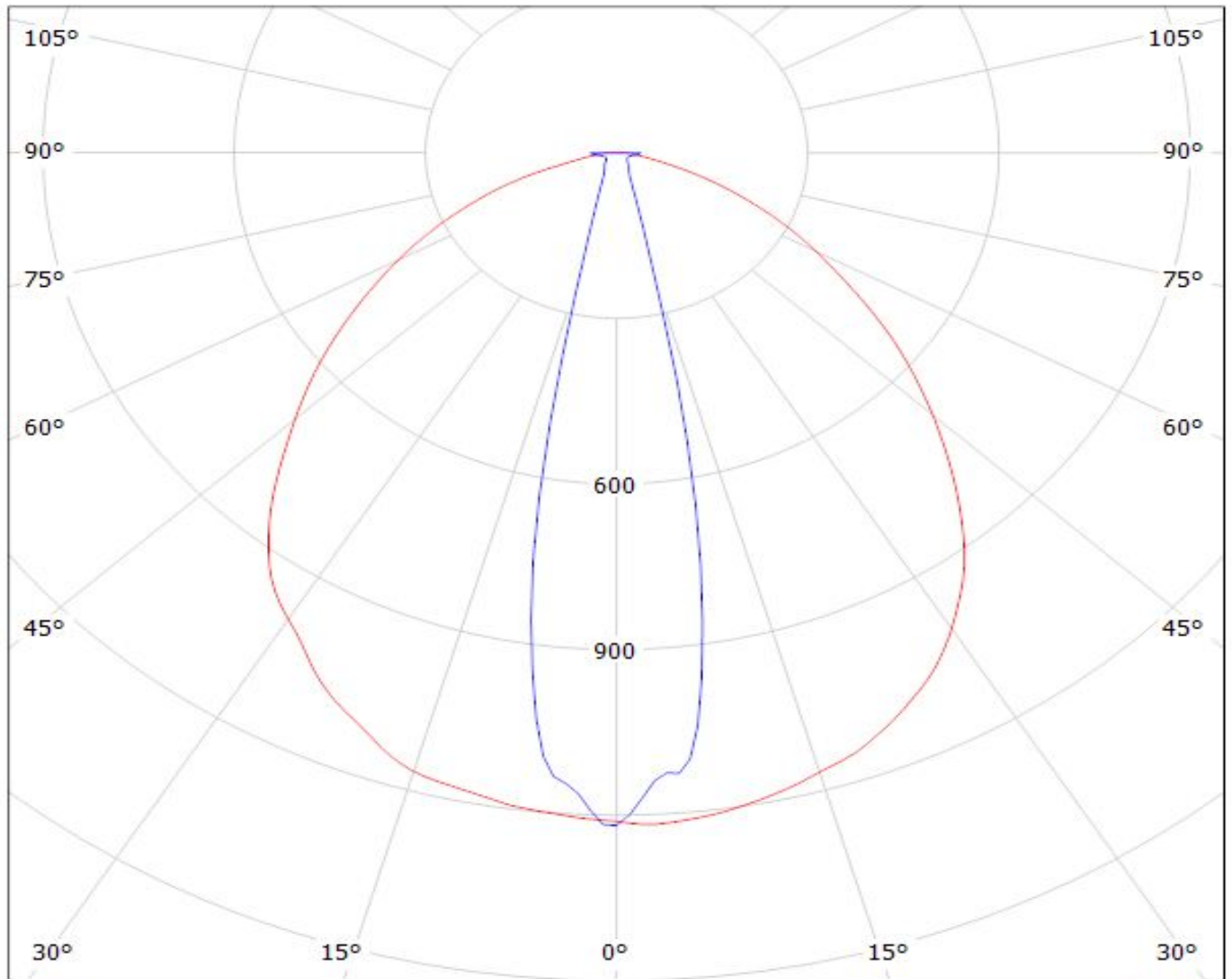
— C0 - C180

— C90 - C270

LEDiL Oy C13012_FLARE-MAXI-D_(MKR) Eff.92.2% / LDC (Polar)

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(MKR) Eff.92.2%

Lamps: 1 x CREE_MKR (368.505lm@250mA)



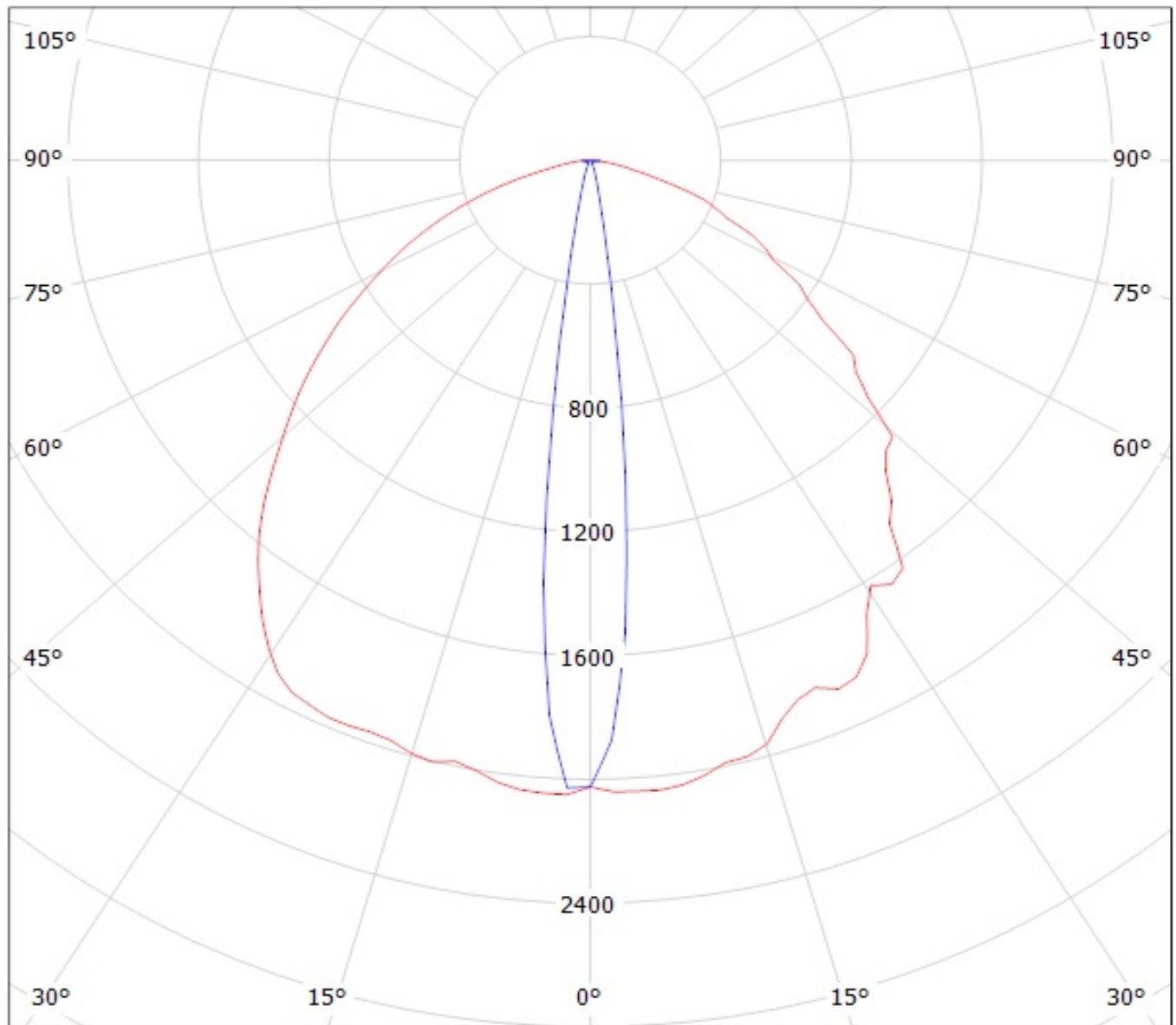
cd/klm

$\eta = 92\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Cree XP-G2 98lm @ 250mA) Efficiency=94%
Lamps: 1 x Cree XP-G2 98lm @ 250mA CCT=6596K P=0,75W I=250mA

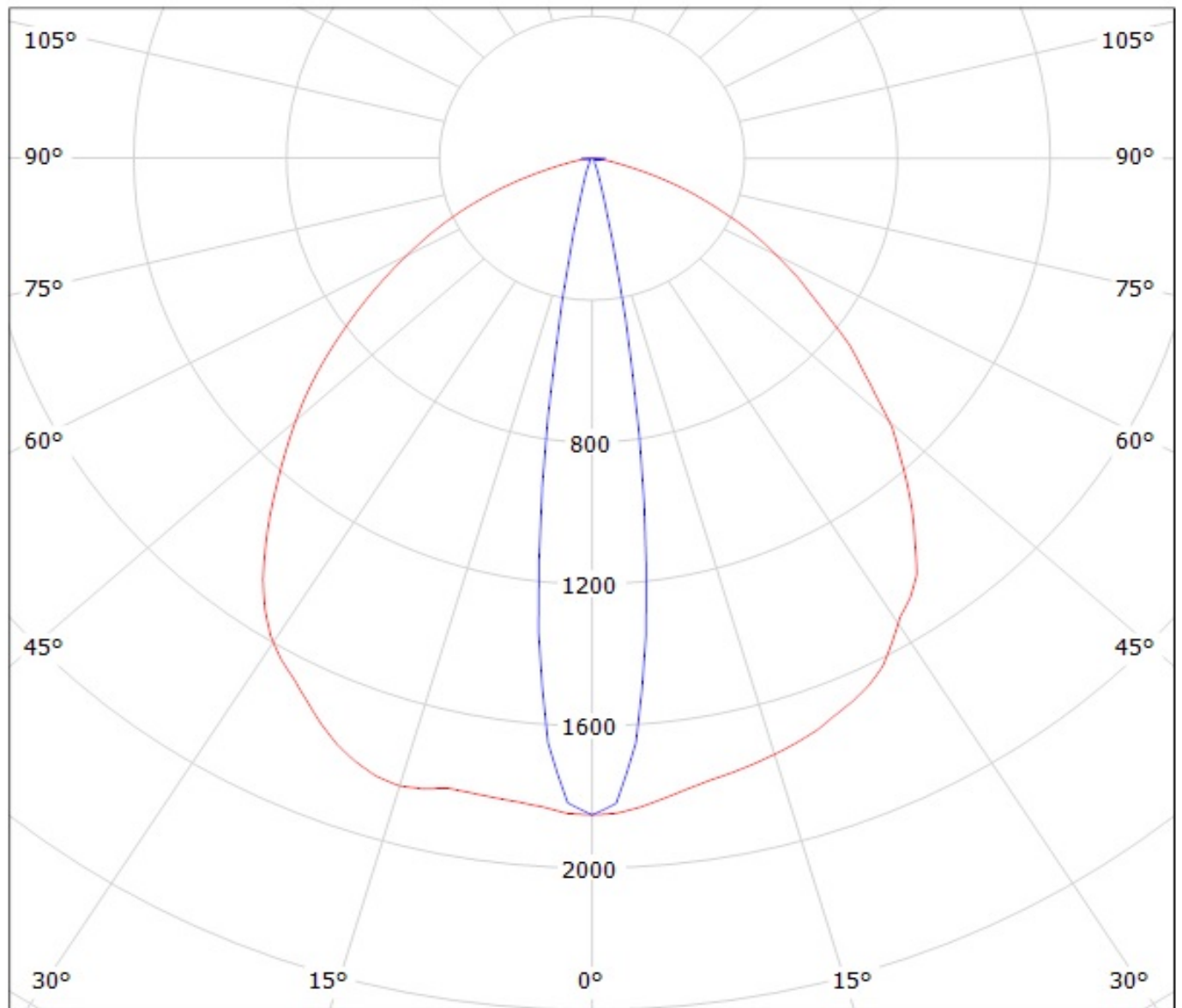


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(XM-L2) Efficiency=94%

Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

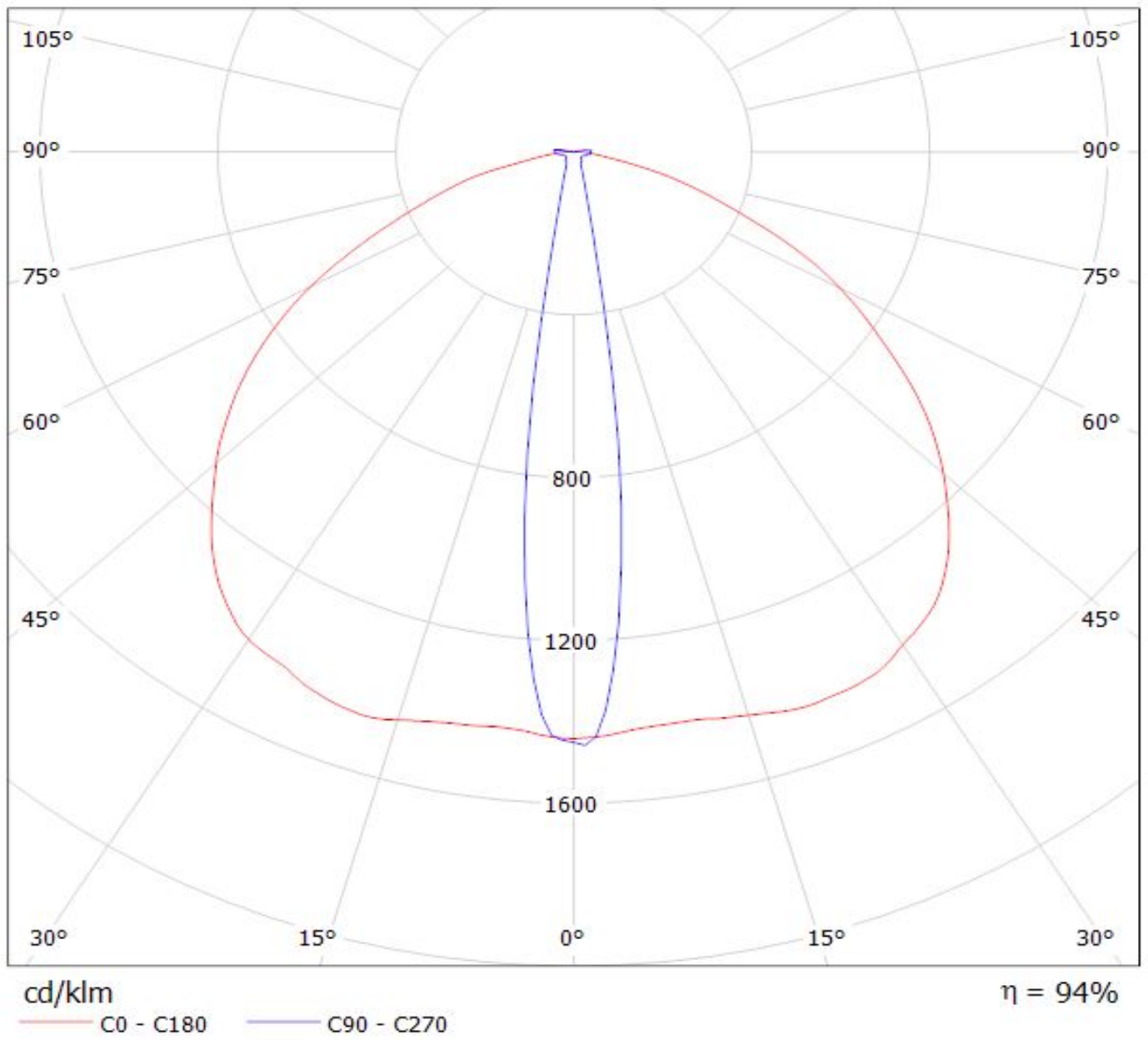


cd/klm

— C0 - C180

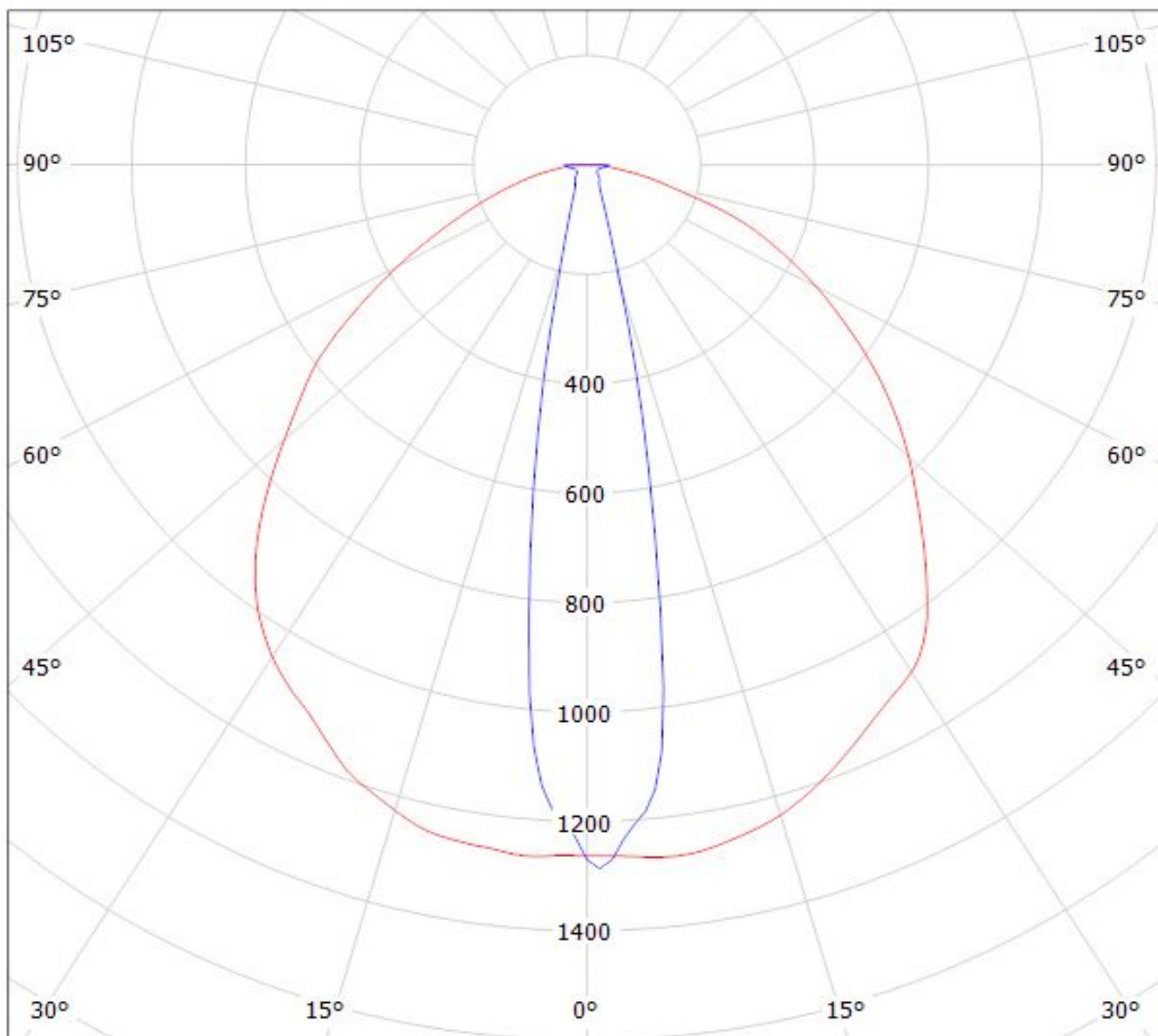
— C90 - C270

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(XP-L)
Lamps: 1 x Cree_XP-L_130lm@250mA_P=0.73723W_I=249.9mA



Luminaire: LEDiL Oy C13012 FLARE-MAXI-D (CREE_XHP50_COOL_WHITE)

Lamps: 1 x CREE_XHP50_COOL_WHITE_242.068lm@250mA_CCT=COOLWHITE_I=02499mA_P=1.42958



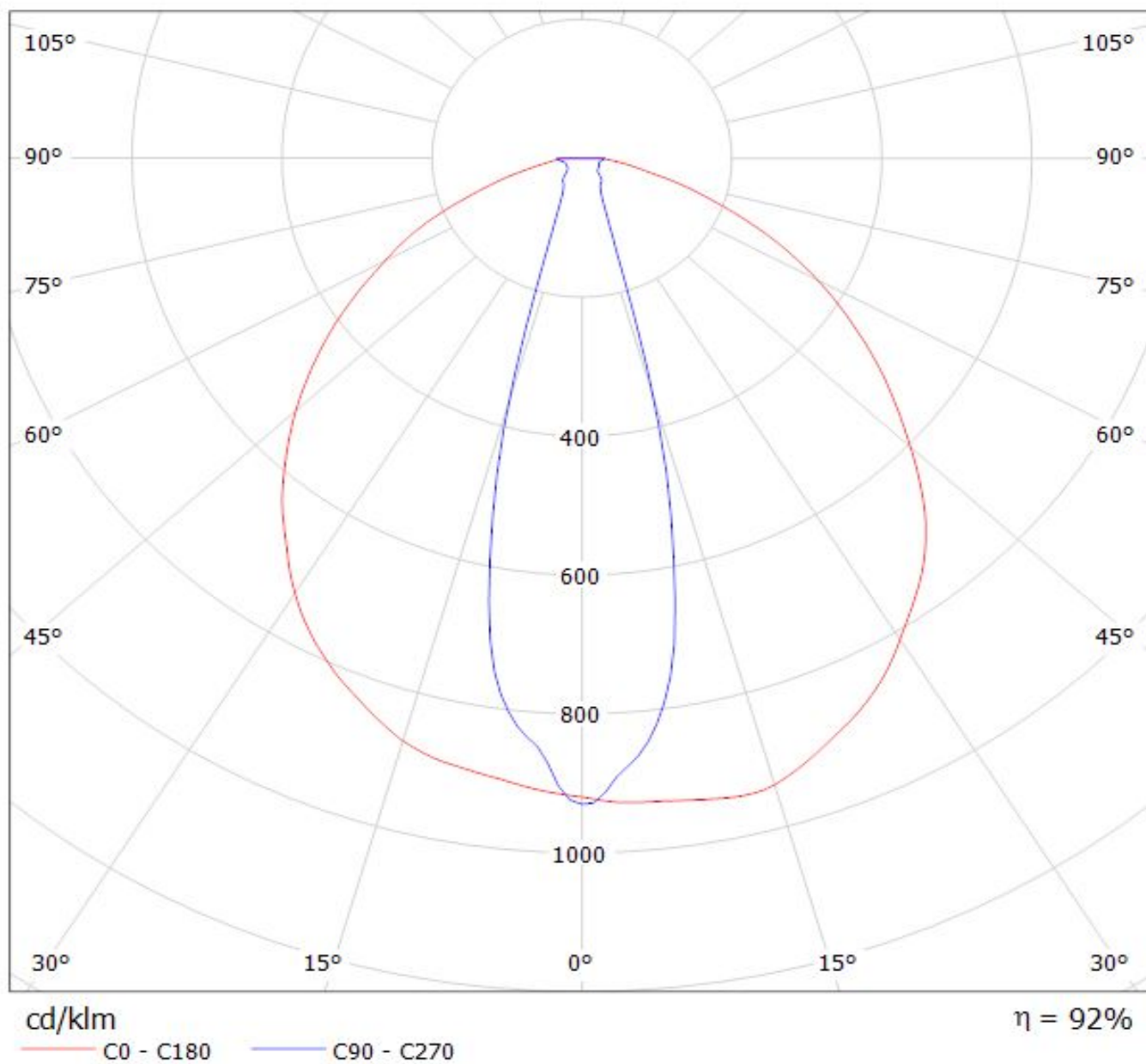
cd/klm

— C0 - C180

— C90 - C270

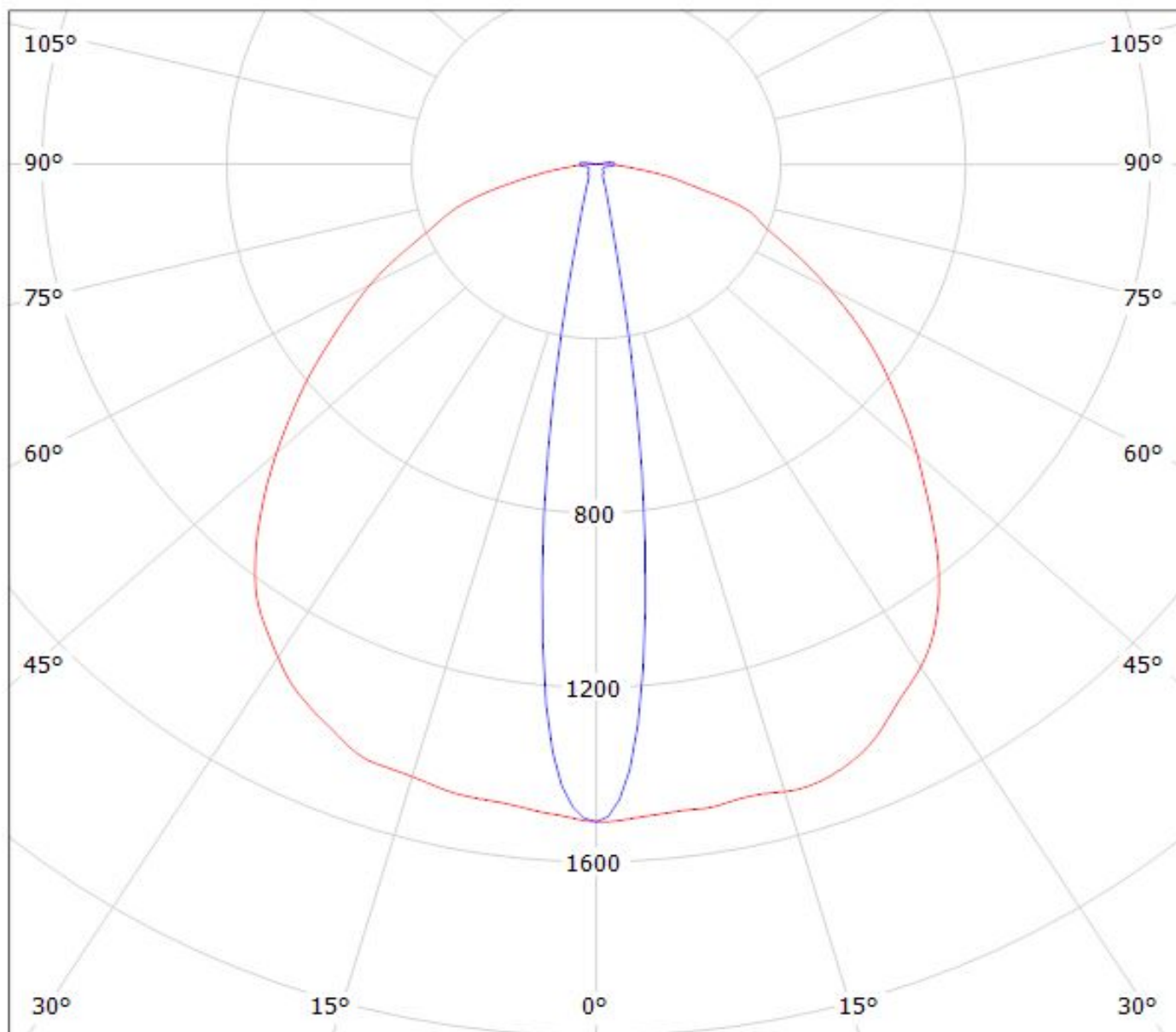
$\eta = 92\%$

Luminaire: EVERFINE C13012_FLARE-MAXI-D_(CREE_XHP70)
Lamps: 1 x CREE_XHP70_288.639lm@250mA_P=2.69892W_I=0.2499A



Luminaire: Ledil C13012_FLARE-MAXI-D_(XP-L2)

Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.75lm@250mA_P=0.721375W_I=0.25A



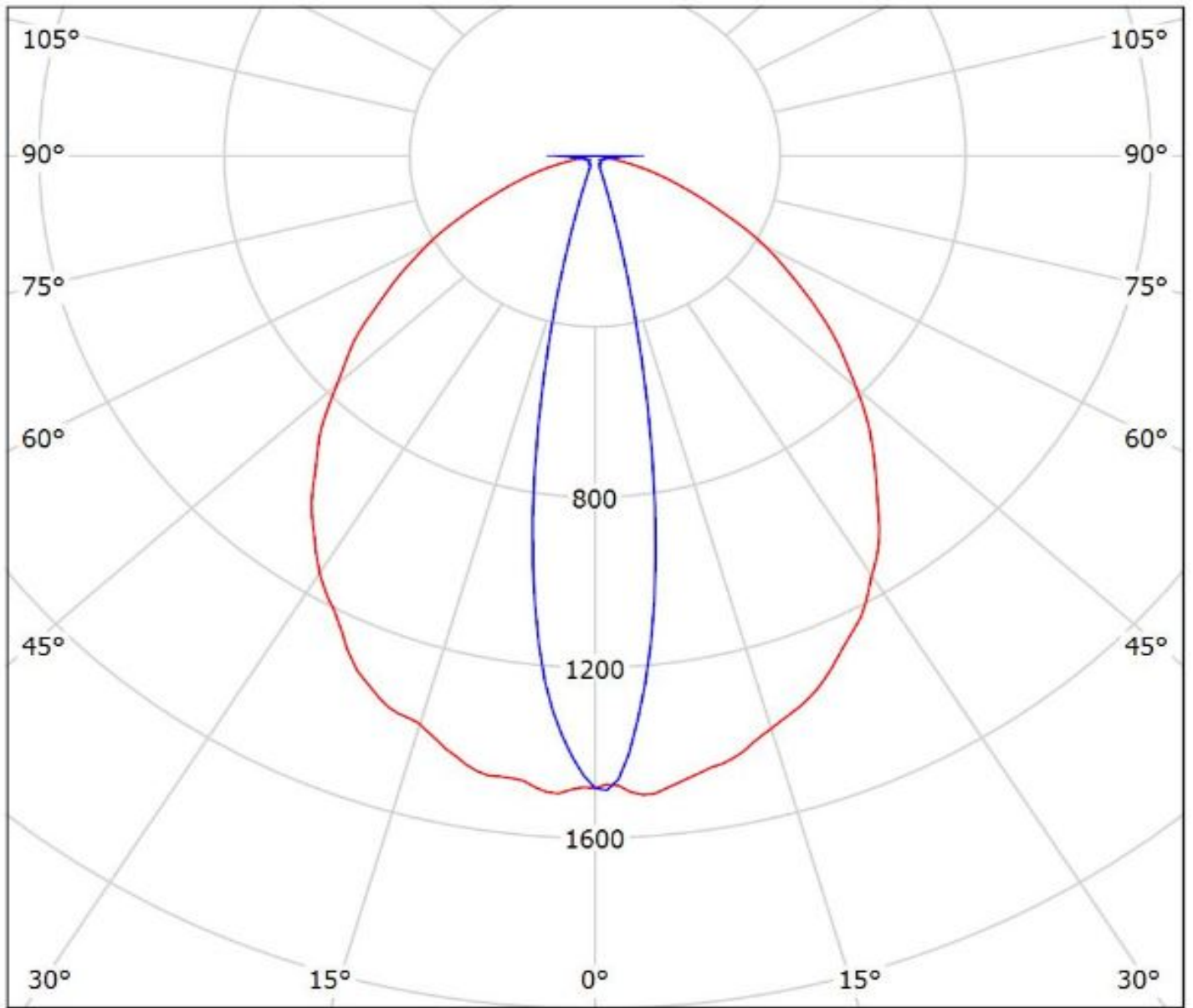
cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy C13012_FLARE-MAXI-D_(XHP50_2)_SIMULATED
Lamps: 1 x Cree XHP50.2

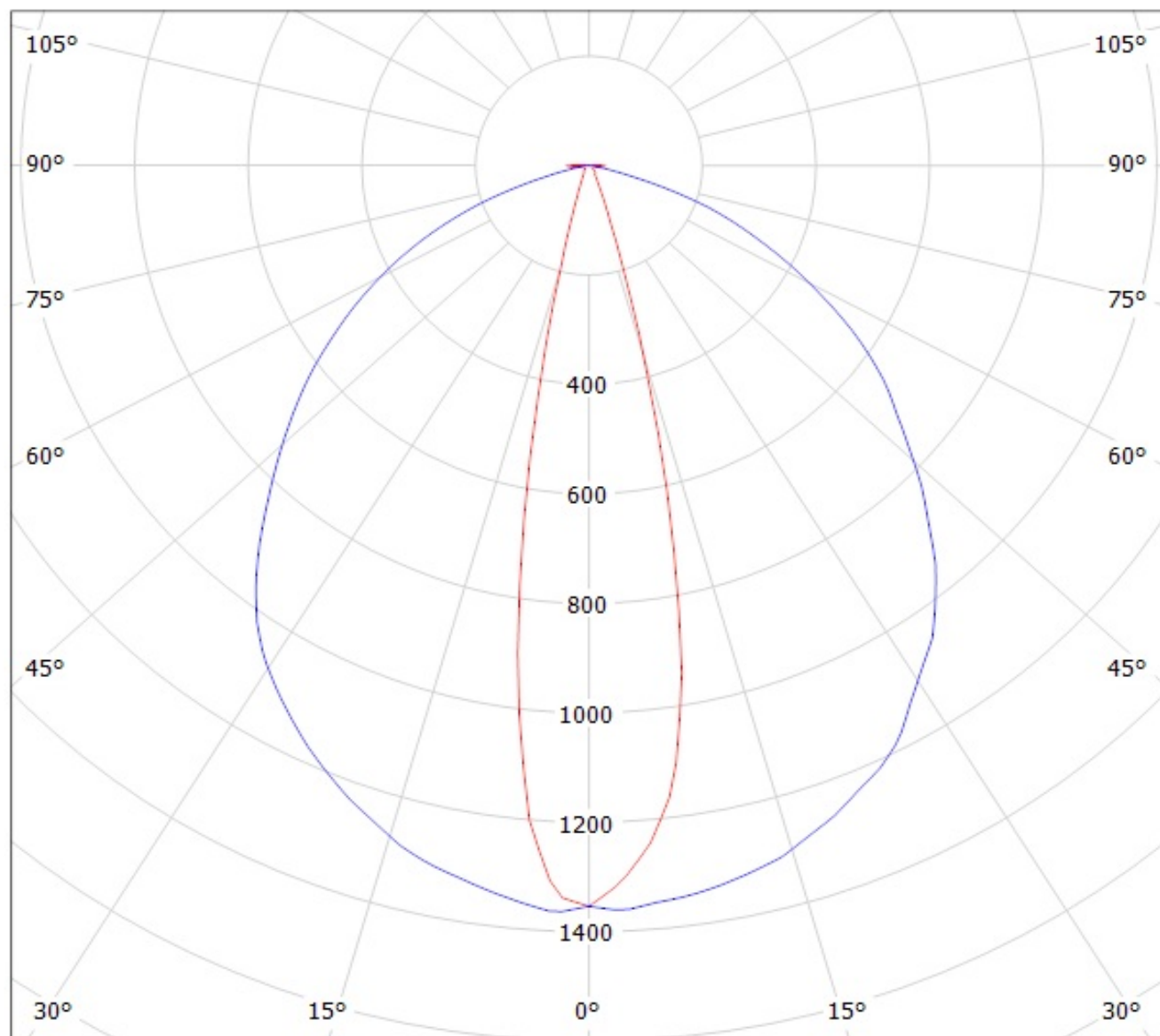


cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Luxeon M 342lm @250mA) Efficiency=94%
Lamps: 1 x Luxeon M 342lm @250mA

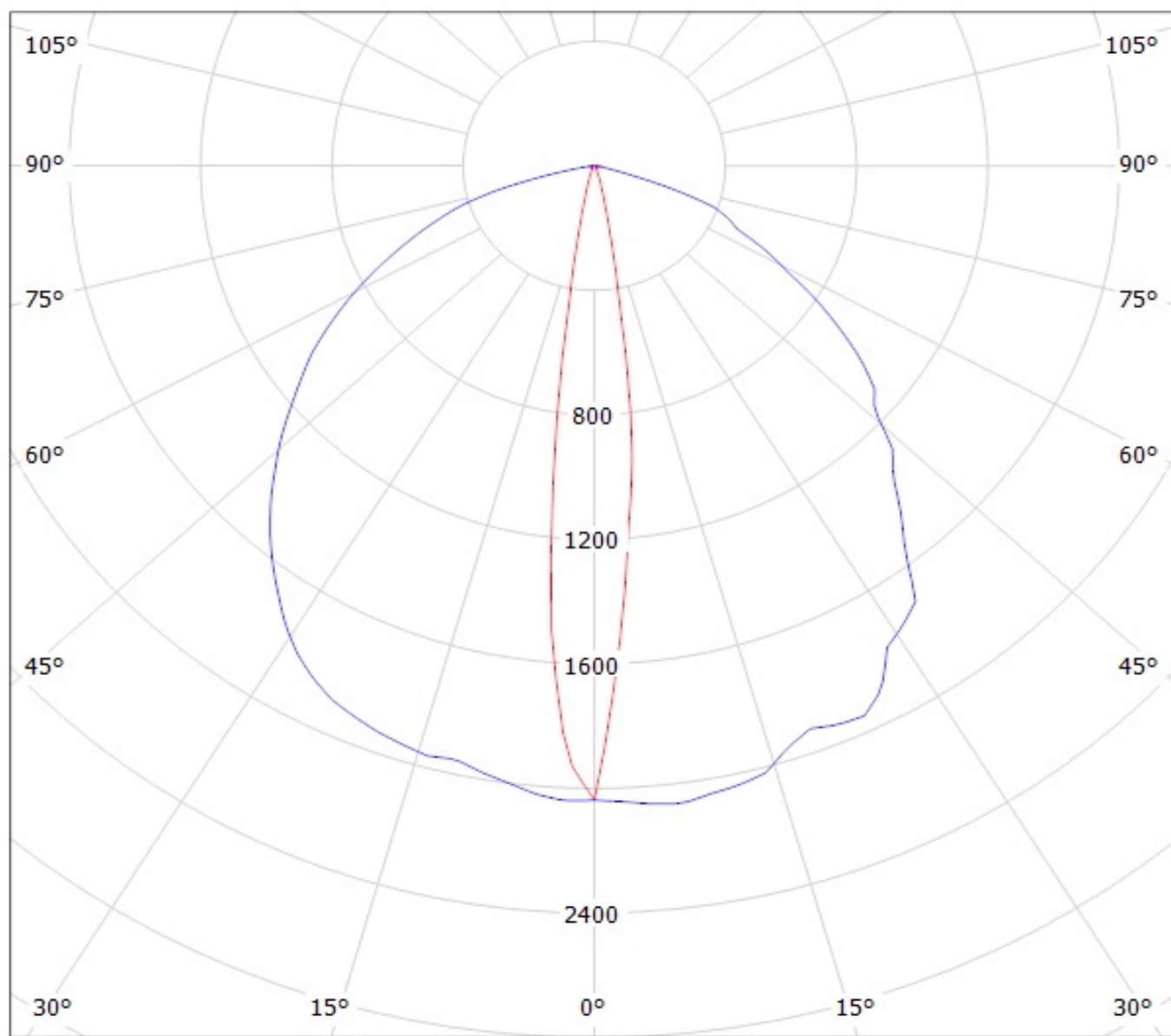


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil oy C13012_FLARE-MAXI-D (Luxeon A 64lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon A 64lm @ 250mA

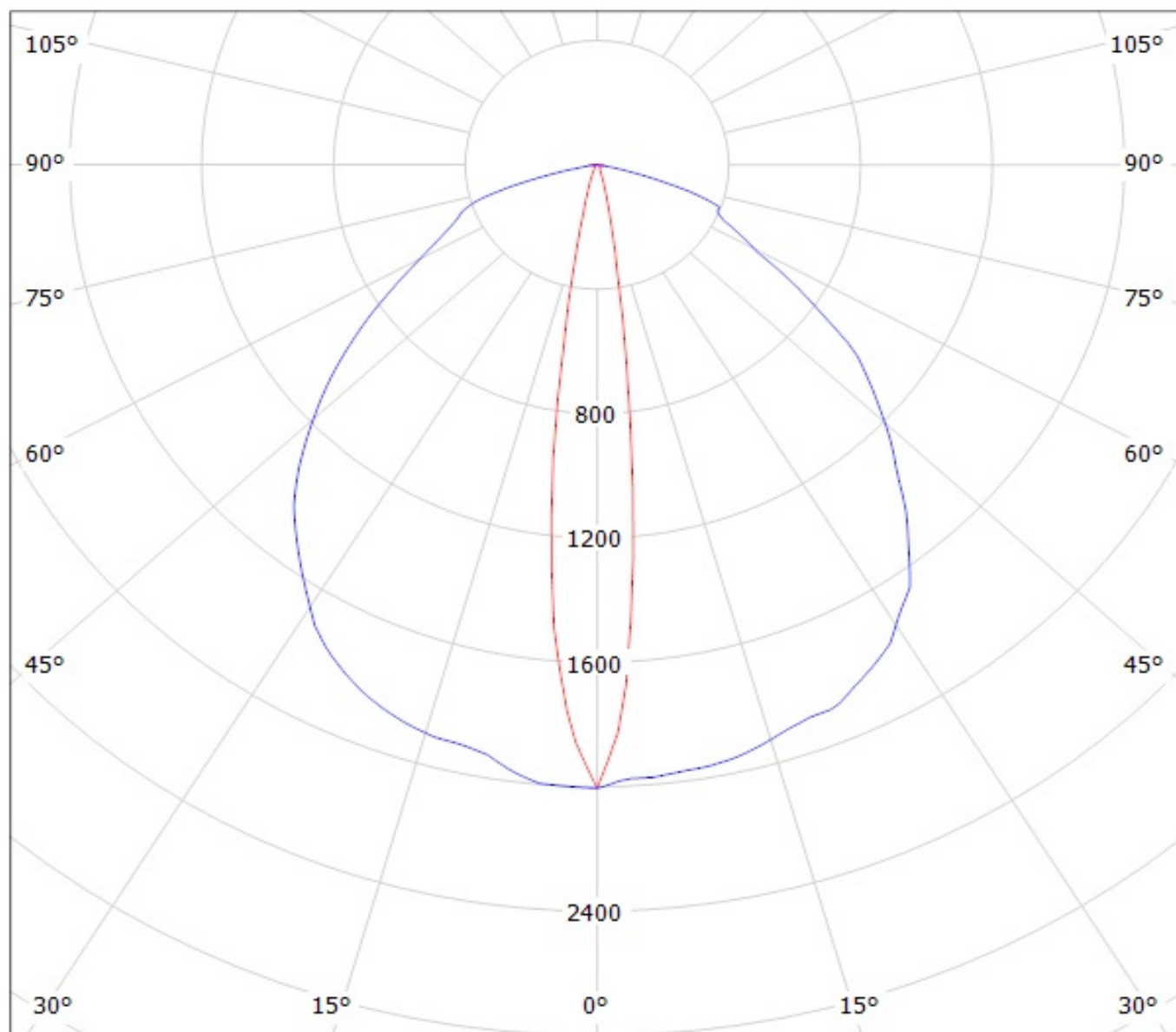


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Luxeon RE-ES 92lm @ 250mA) Efficiency=94%
Lamps: 1 x Luxeon RE-ES 92lm @ 250mA

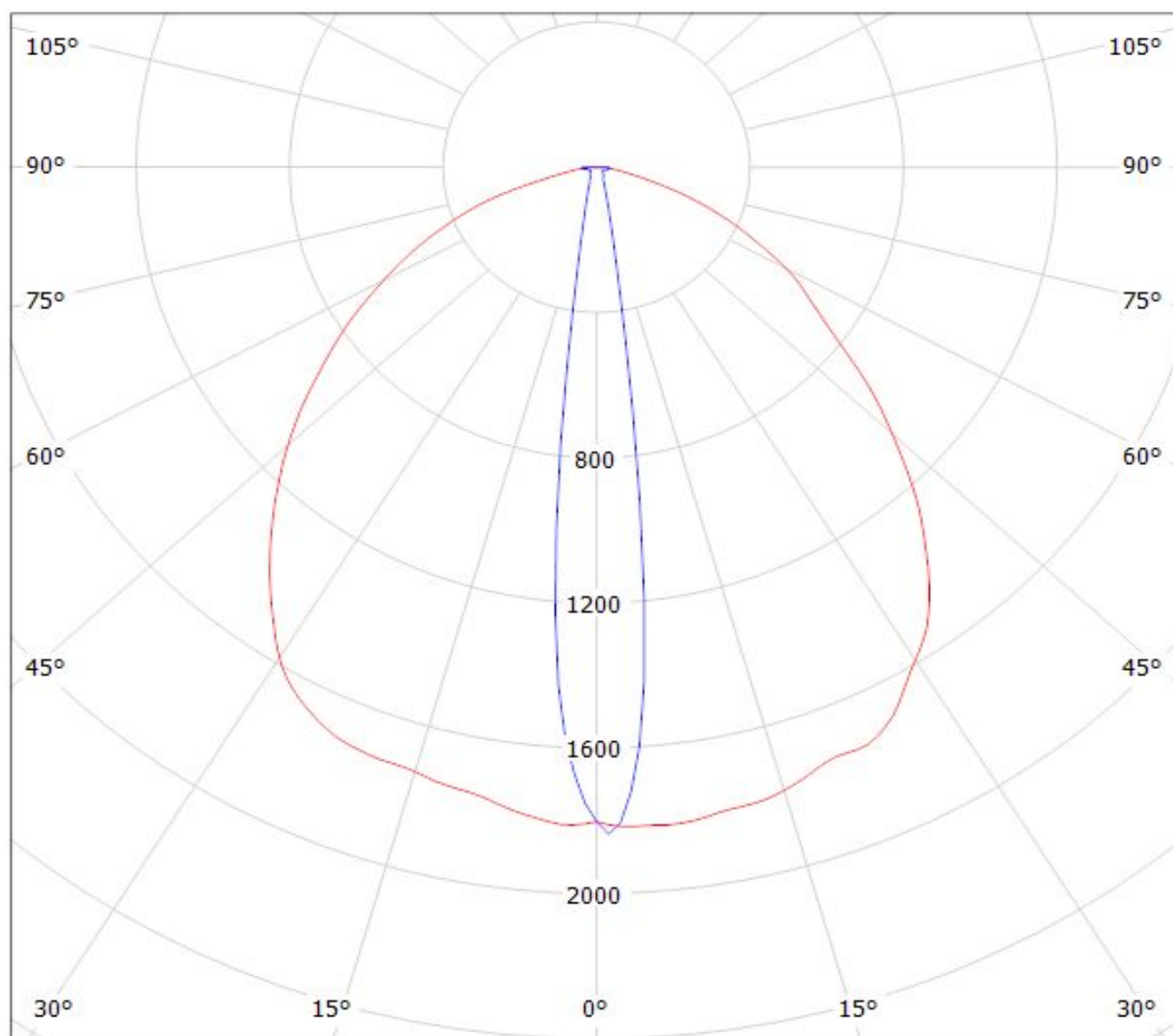


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(LUXEON_T) Eff.92.0%
Lamps: 1 x LUXEON T (74lm@250mA)

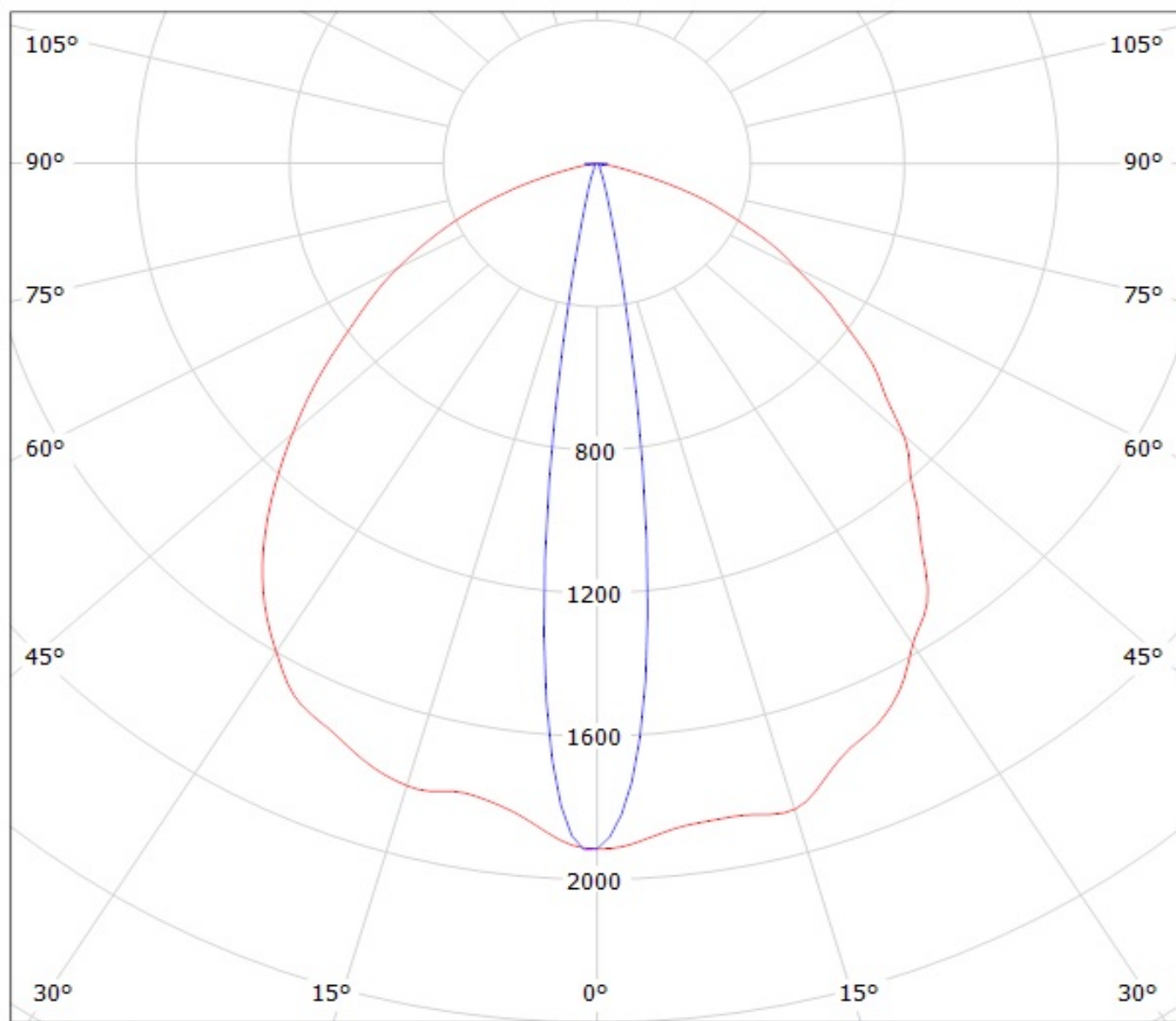


cd/klm

$\eta = 92\%$

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Luxeon_MZ) Efficiency=94%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



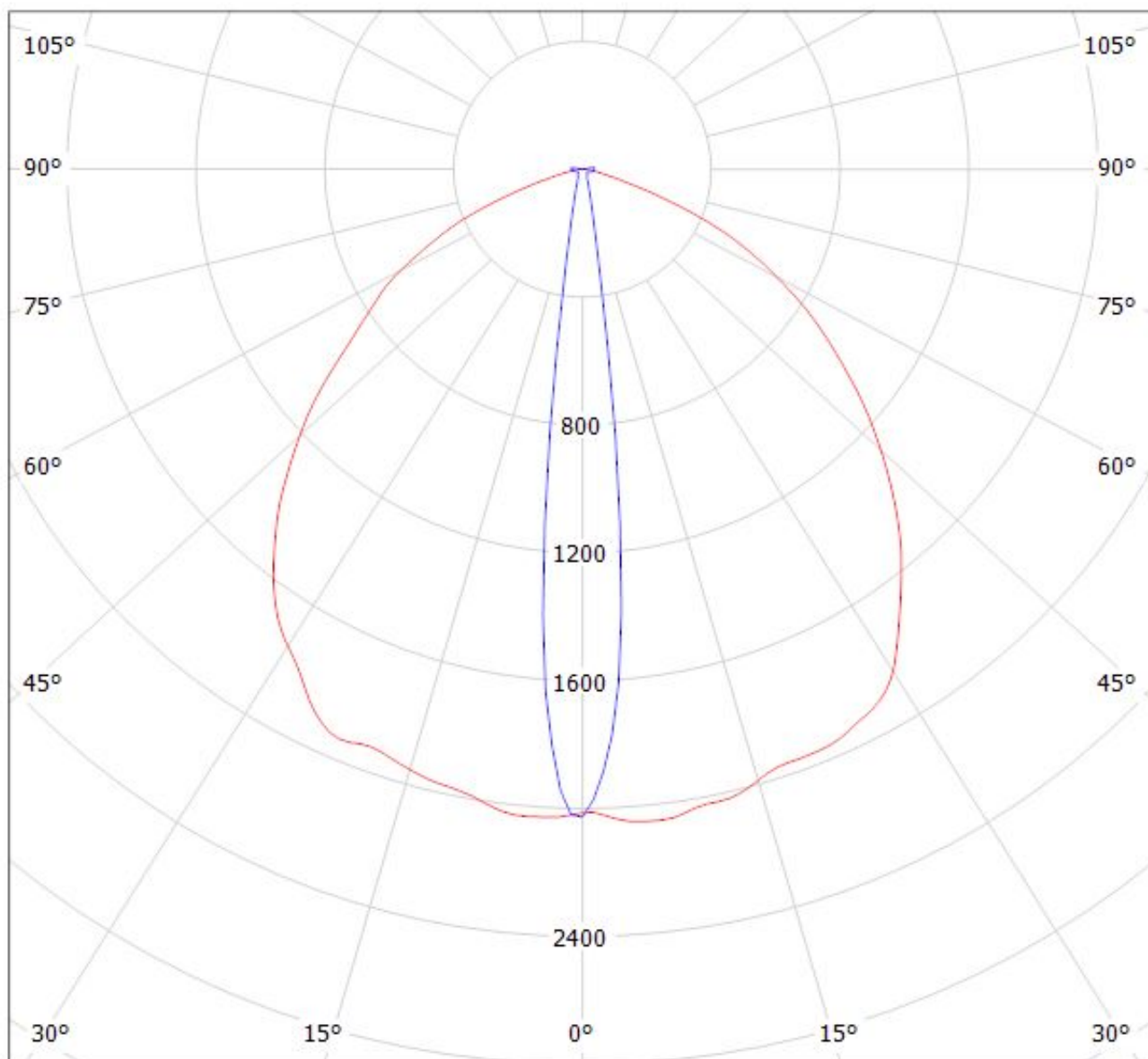
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(Luxeon_TX)

Lamps: 1 x Luxeon_TX_(L1T2-3585)_80.1801lm@250mA_CCT=3500K_P=0.731482W_I=249.9mA

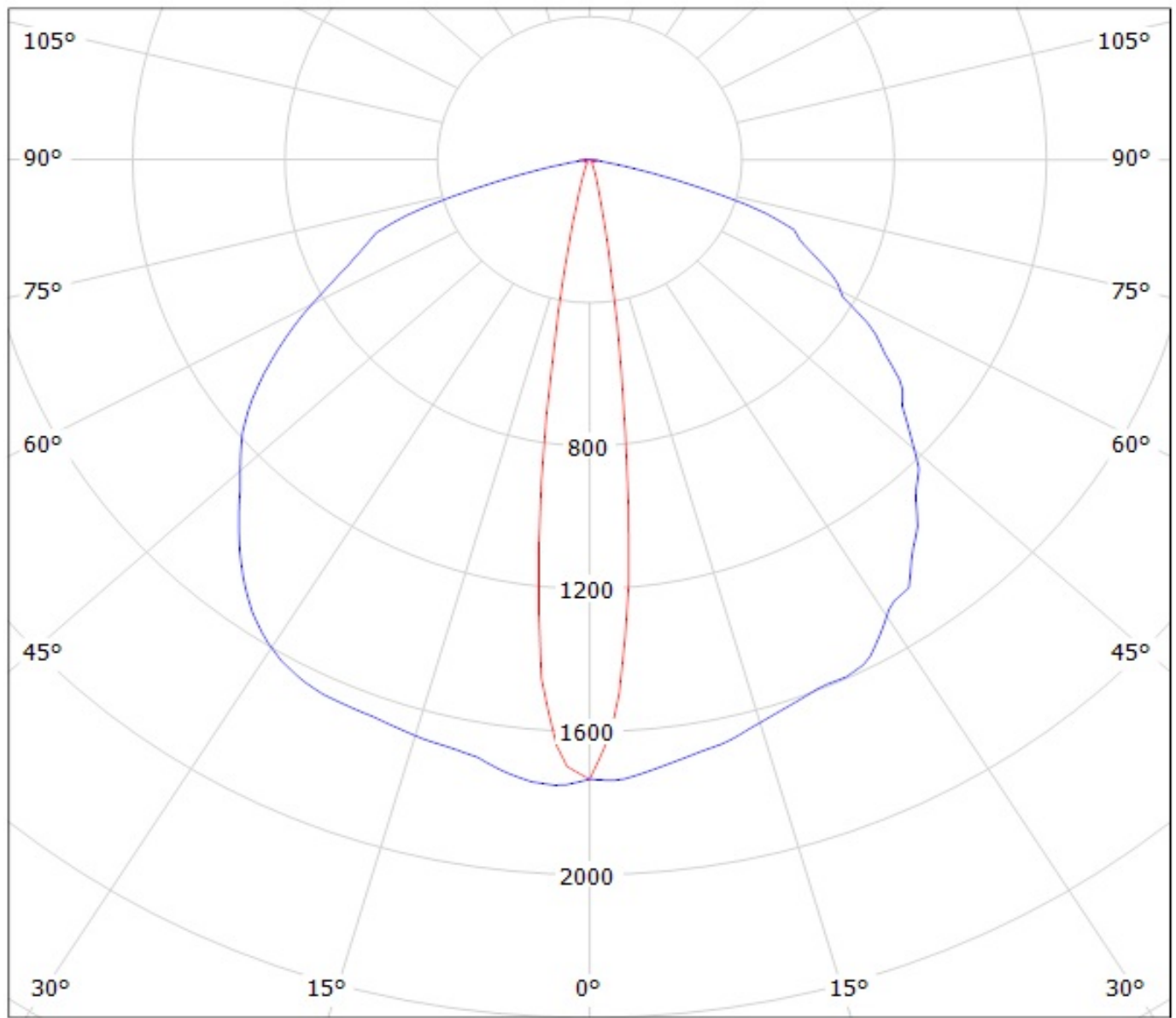


cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Nichia 219B 103lm @ 250mA) Efficiency=94%
Lamps: 1 x Nichia 219B 103lm @ 250mA

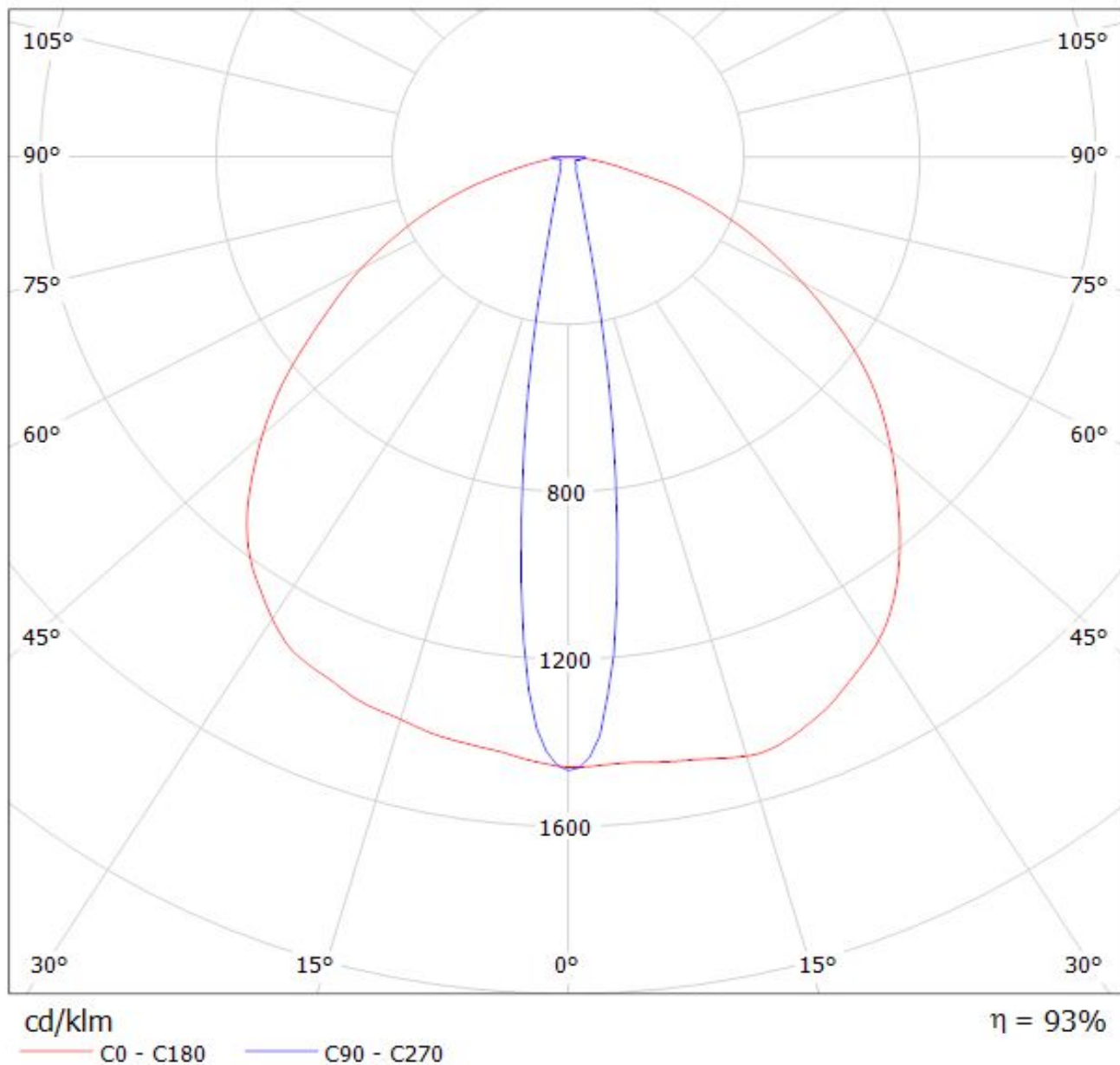


cd/klm

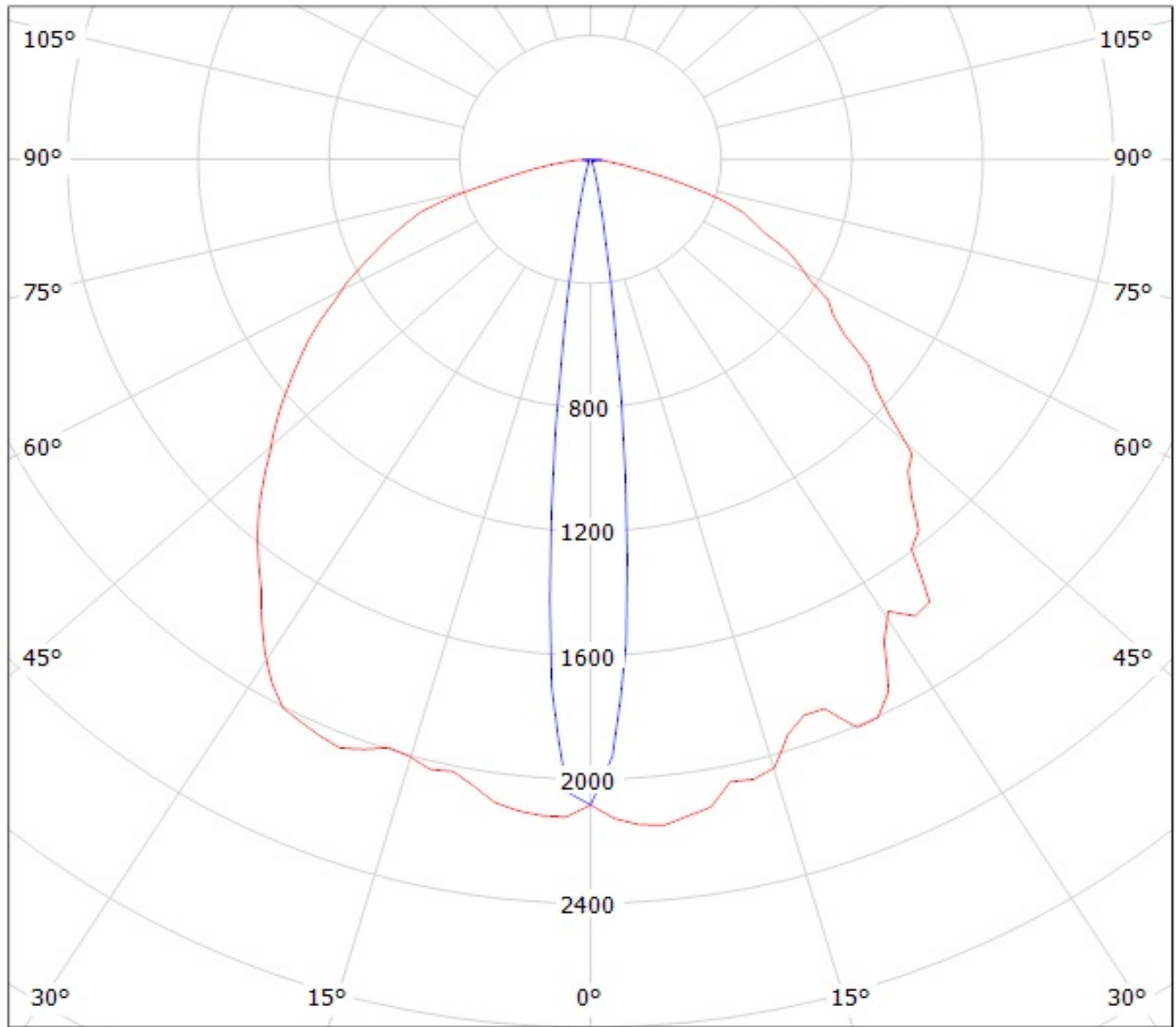
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D Eff.93.2%
Lamps: 1 x Nichia NS9x383(107.656lm@250mA)



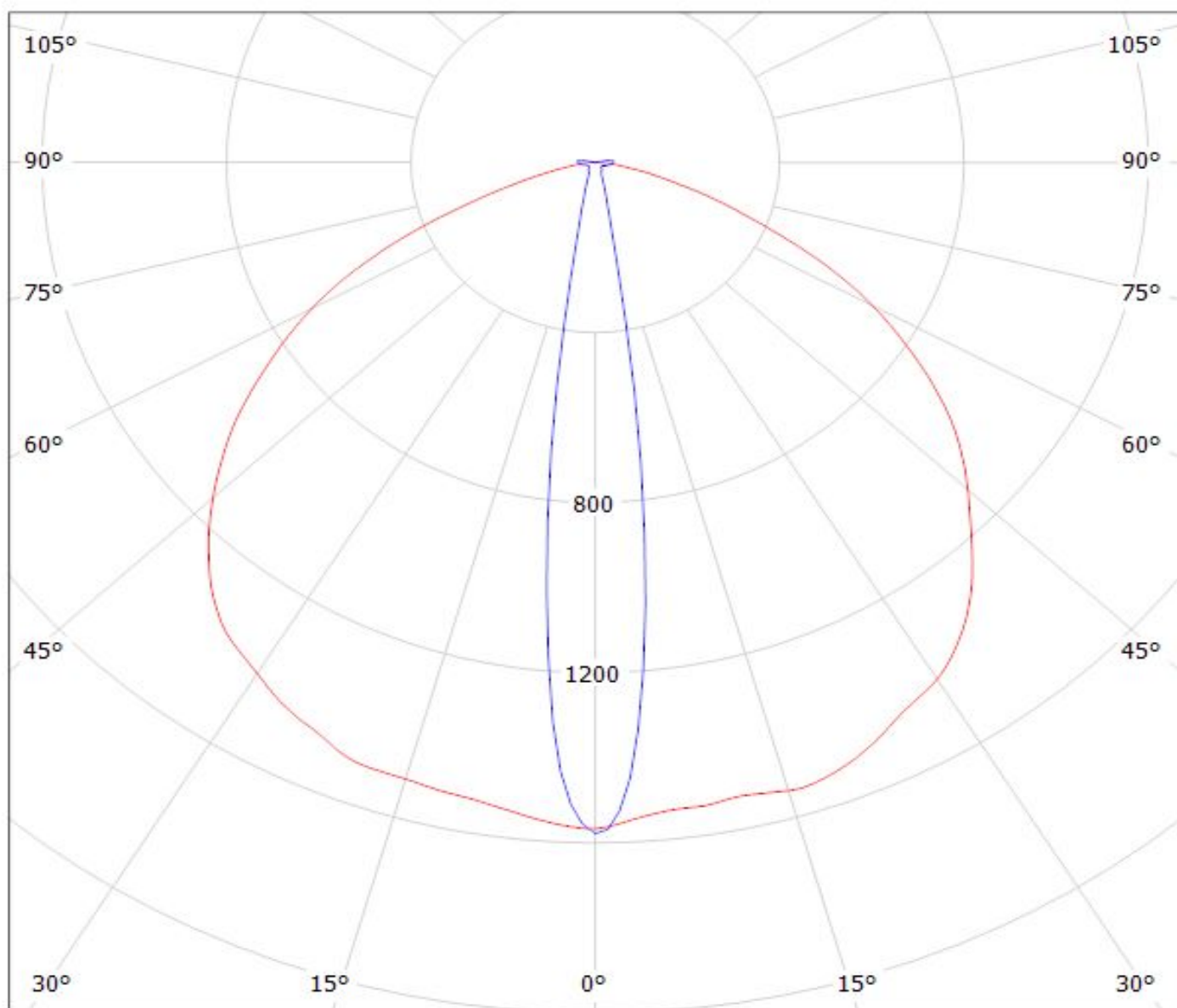
Luminaire: Ledil Oy C13012_FLARE-MAXI-D_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NSCxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(NWSL229AE)

Lamps: 1 x Nichia_NWSL229AE_120.54lm@250mA_P=0.7128W_I=0.250A

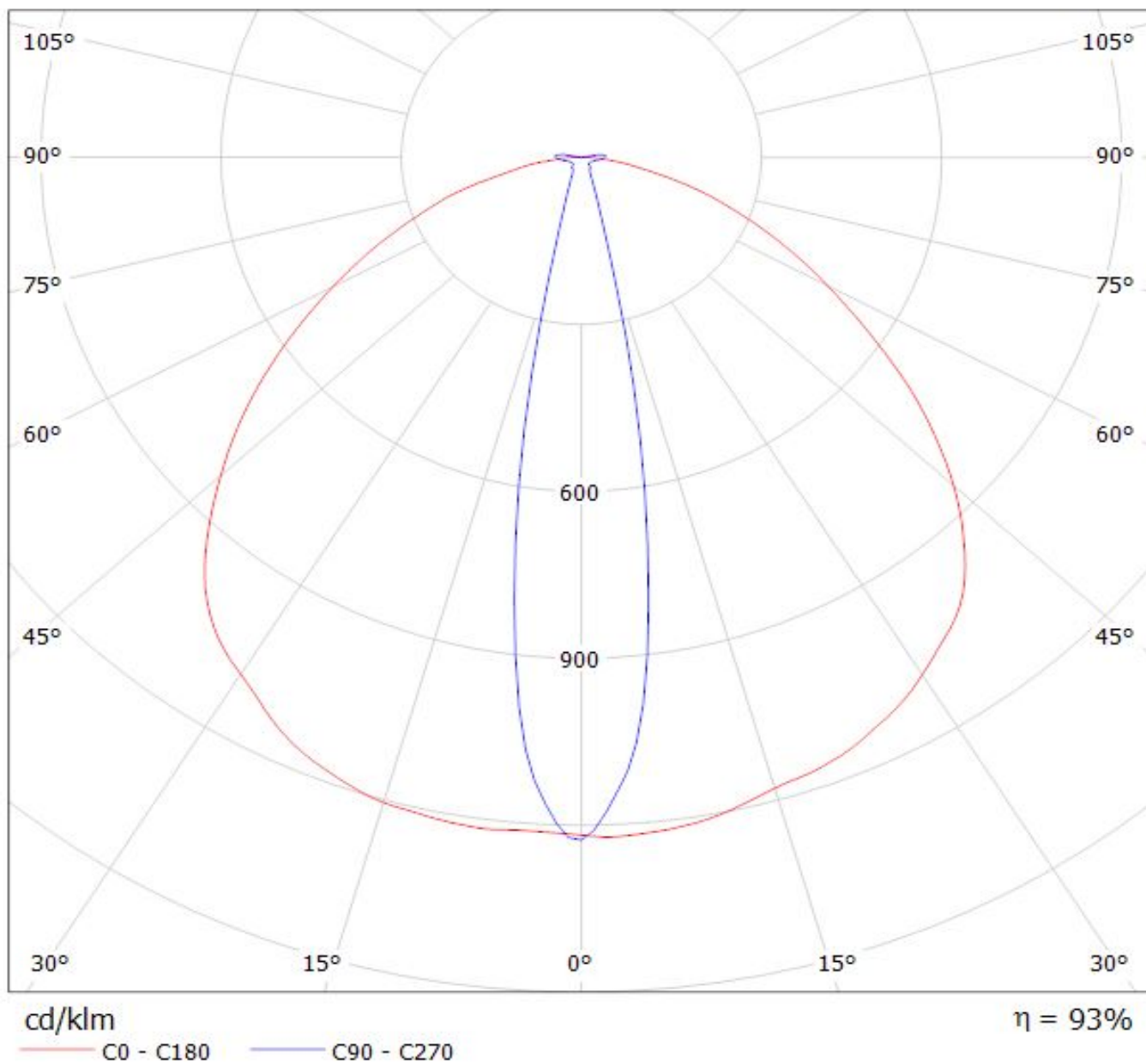


cd/klm

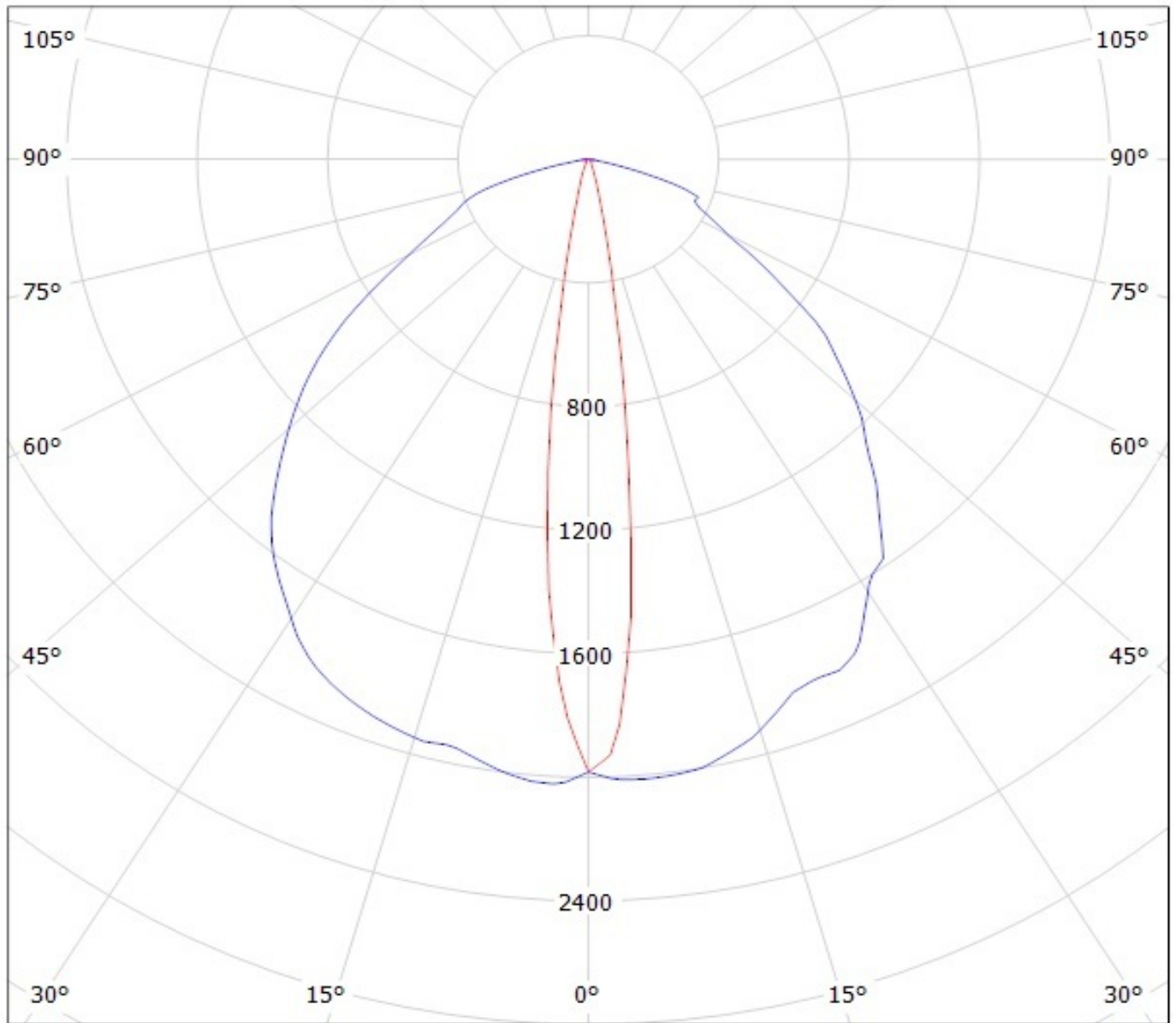
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(Nichia_NV4x144A)
Lamps: 1 x Nichia_NV4x144A_478.709lm@250mA_P=2.8097W_I=0.250A



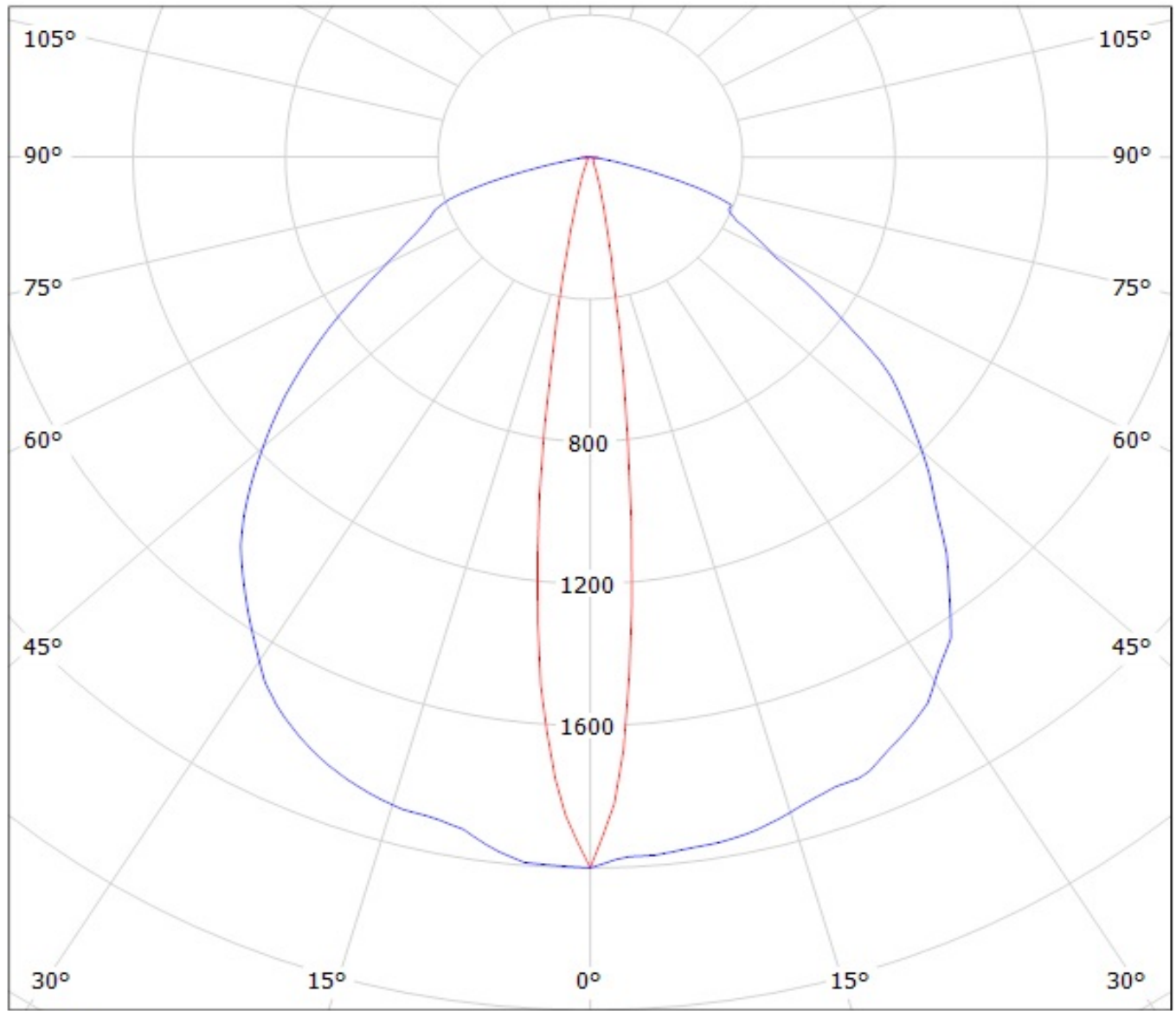
Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Osam Square EC 66lm @250mA) Efficiency=94%
Lamps: 1 x Osam Square EC 66lm @250mA



cd/klm

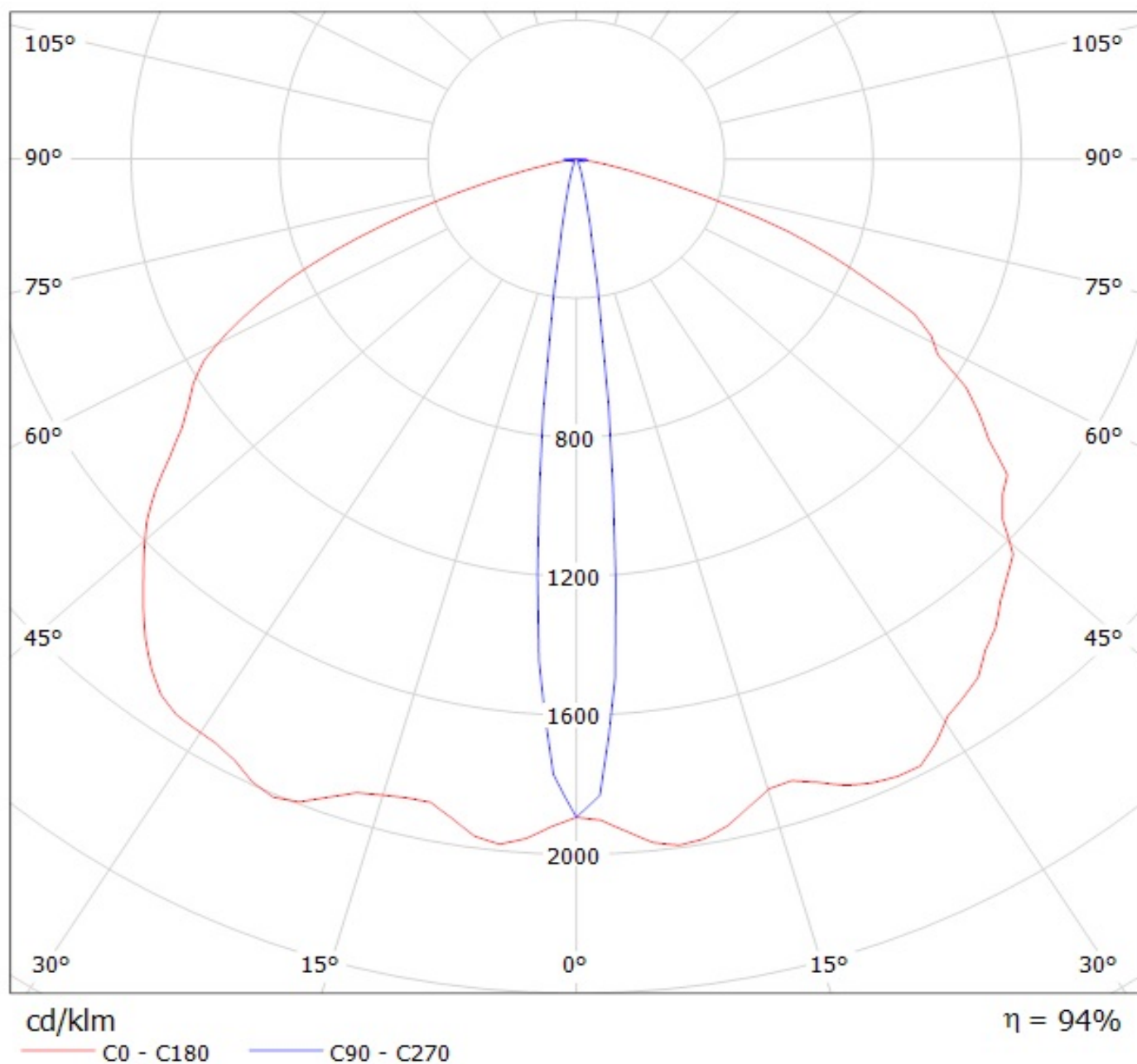
— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C13012_FLARE-MAXI-D (Osram Square PC 88lm @ 250mA) Efficiency=94%
Lamps: 1 x Osram Square PC 88lm @ 250mA

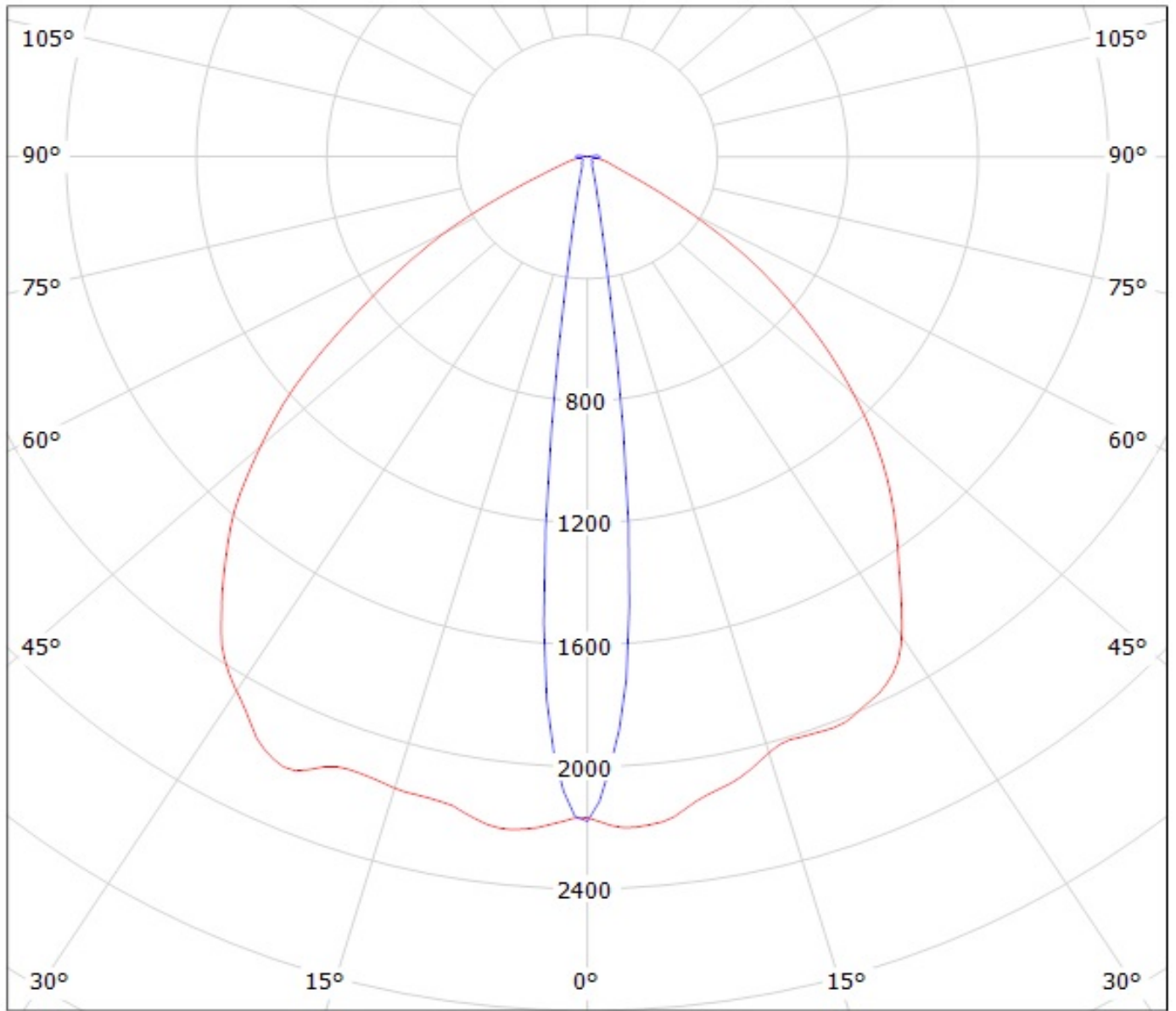


cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Oslon_SSL_150)
Lamps: 1 x Osram Oslon SSL 150 (78.52lm @ 250mA) P=0.7W I=250mA



Luminaire: LEDiL Oy C13012_FLARE-MAXI-D_(LH351Z) Eff.94.1%
Lamps: 1 x SAMSUNG_LH351Z_90.8111lm@250mA_P=0.748076W_I=249.9mA



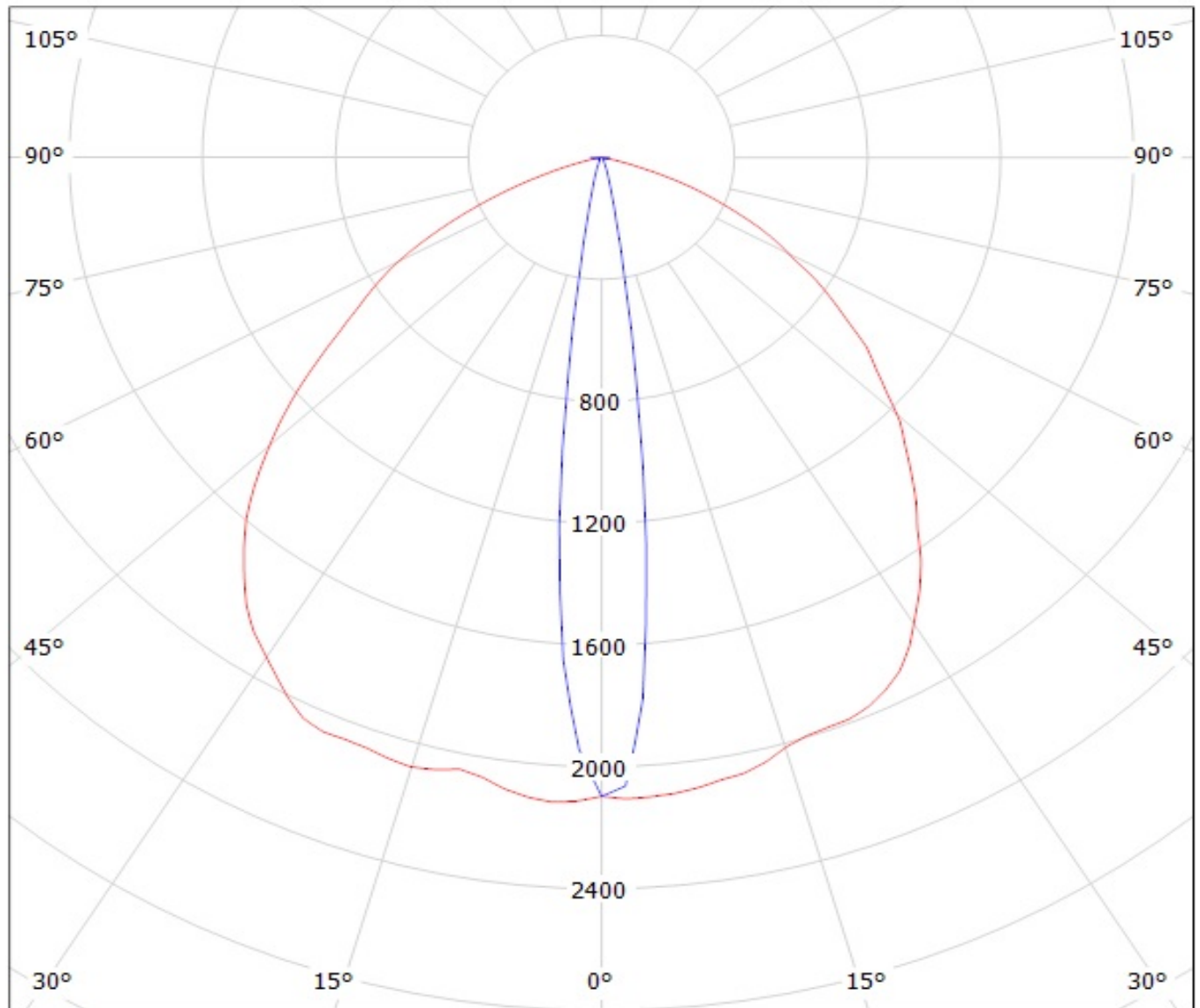
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13012_FLARE-MAXI-D_(Z5M1) Efficiency=94%

Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



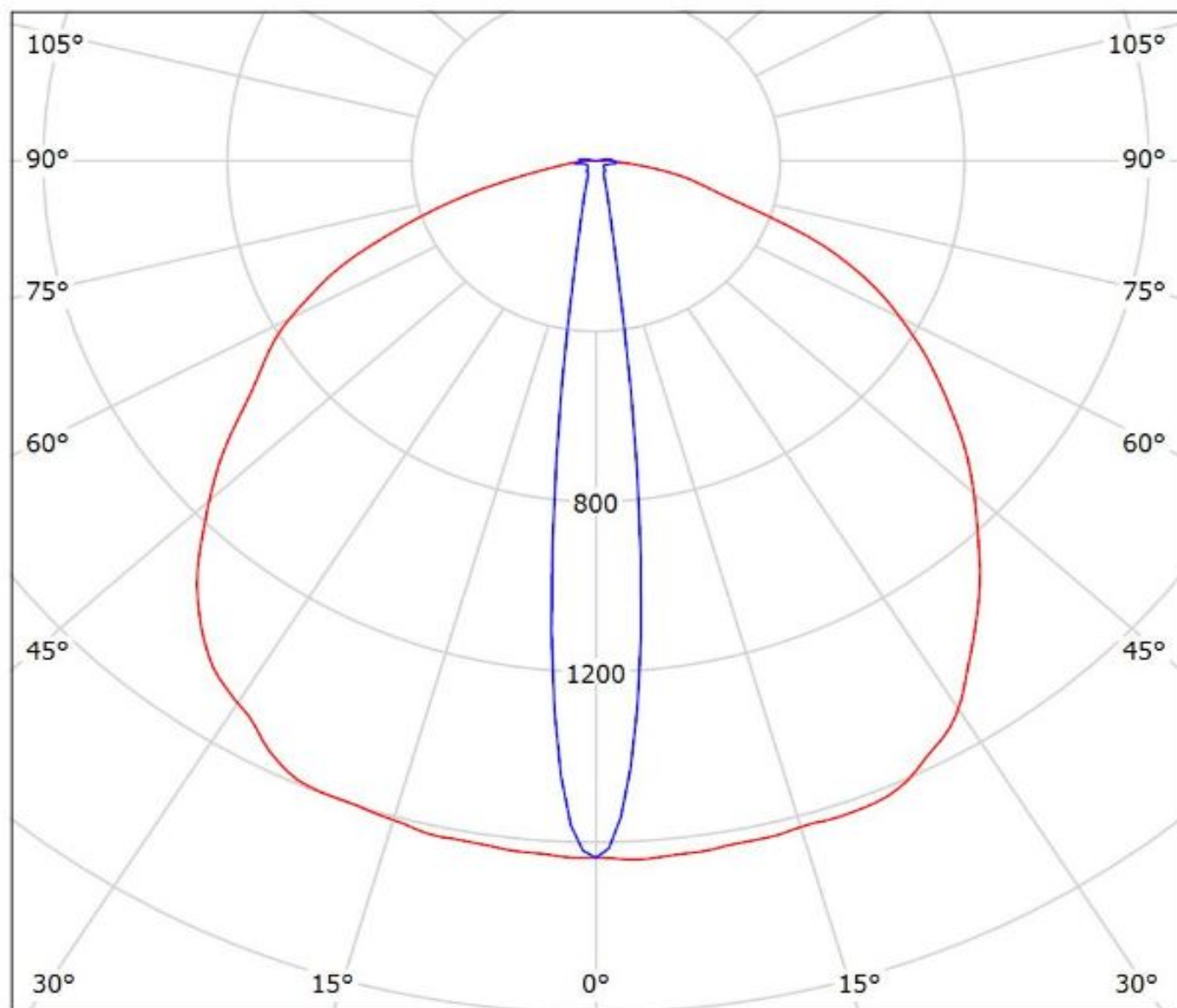
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil C13012_FLARE-MAXI-D_(Z8Y22P)

Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

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.