

DETAILS

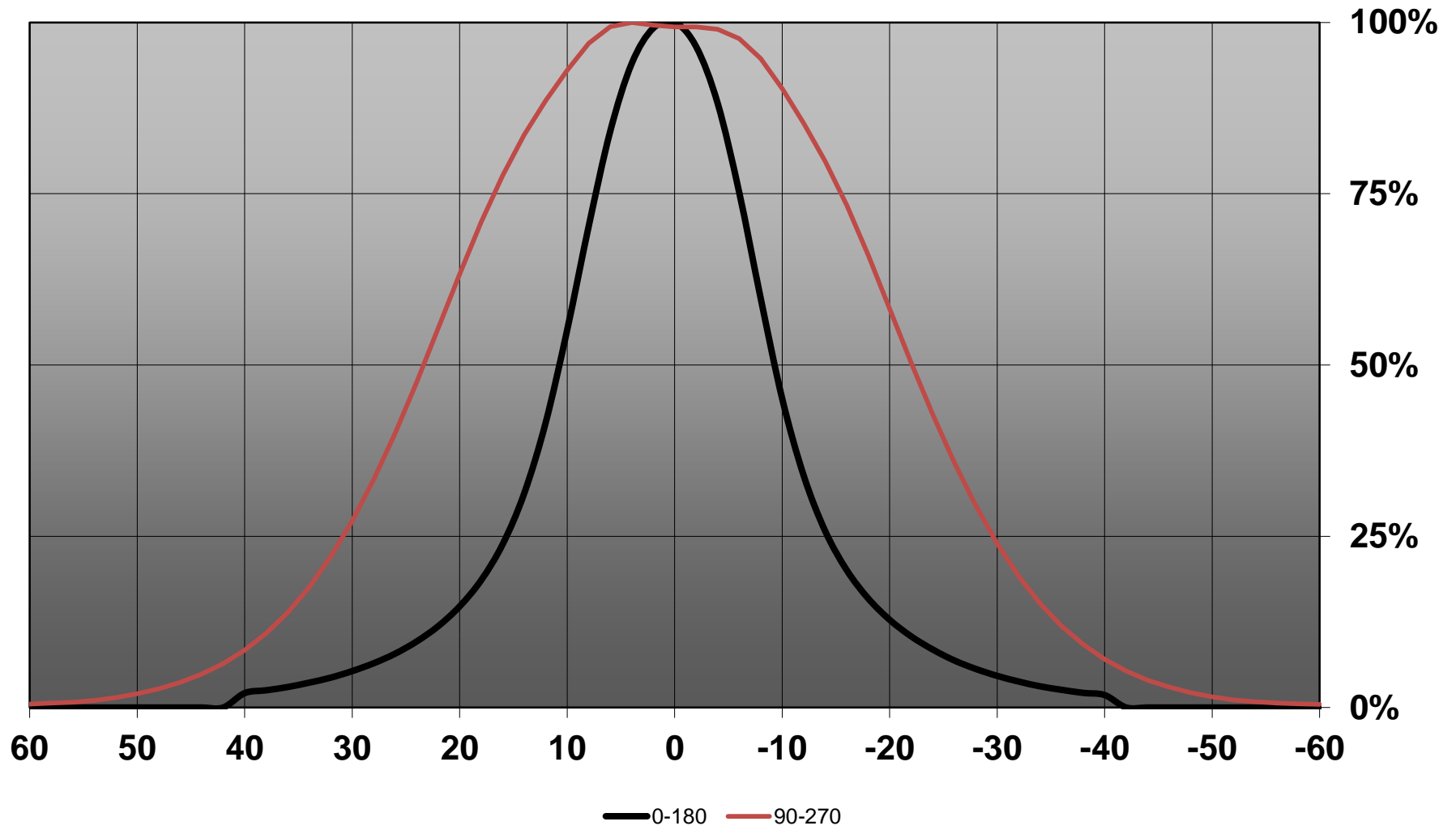
Product Number	CA13726_VERONICA-SQ-O
Family	Veronica
Type	Assembly
Color	clear
Diameter	22,5 + 22,5 mm
Height	12,2 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, tape
Status	production ready
ROHS Compliant	Yes
Date Updated	5/12/2013



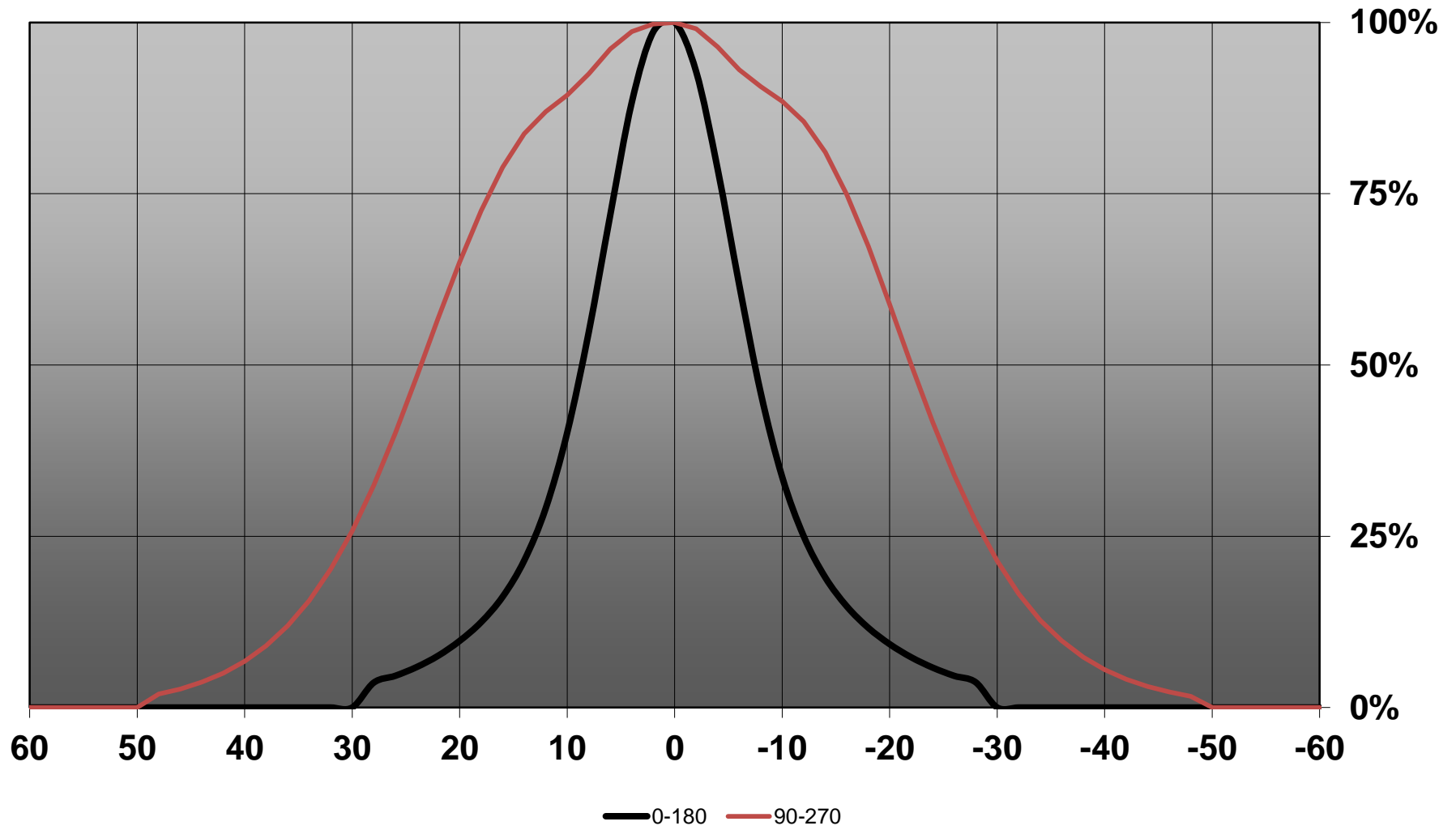
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L	47+20 deg	Oval	80 %	2.300	-
XP-G2	47+14 deg	Oval	80 %	2.940	-
XT-E	47+16 deg	Oval	79 %	2.800	-
XP-E2	46+12 deg	Oval	80 %	3.500	-
XM-L2	47+20 deg	Oval	80 %	2.300	-
XB-H	45+16 deg	Oval	77 %	2.700	-
XHP35 HD	45+20 deg	Oval	73 %	2.130	-
XHP35 HI	46+16 deg	Oval	75 %	2.700	-
XP-L	sim: 53+16	Oval	sim: 86 %	sim: 2.500	-
XP-L2	45+20 deg	Oval	86 %	1.900	-
LUXEON Rebel	47+15 deg	Oval	80 %	3.000	-
LUXEON Rebel ES	47+17 deg	Oval	80 %	2.700	-
LUXEON T	47+17 deg	Oval	80 %	2.800	-
LUXEON M/MX	45+28 deg	Oval	76 %	1.600	-
LUXEON MZ	47+23 deg	Oval	73 %	2.000	-
LUXEON TX	46+16 deg	Oval	77 %	2.800	-
NVSxx19B/NVSxx19C	47+18 deg	Oval	80 %	2.600	-
NWSx229A	20+45 deg	Oval	74 %	2.000	-
Oslon Square EC	47+17 deg	Oval	79 %	2.800	-
Oslon Square Gen3	sim: 56+12	Oval	sim: 88 %	sim: 3.500	-
Duris P10	sim: 49+25	Oval	sim: 84 %	sim: 1.800	-
LH351Z	47+15 deg	Oval	78 %	2.800	-
Z8Y22P	45+18 deg	Oval	86 %	2.200	-

Relative intensity of CA13726_VERONICA-SQ-O_(XHP35_HD)



Relative intensity of CA13726_VERONICA-SQ-O_(XPH35_HI)



D

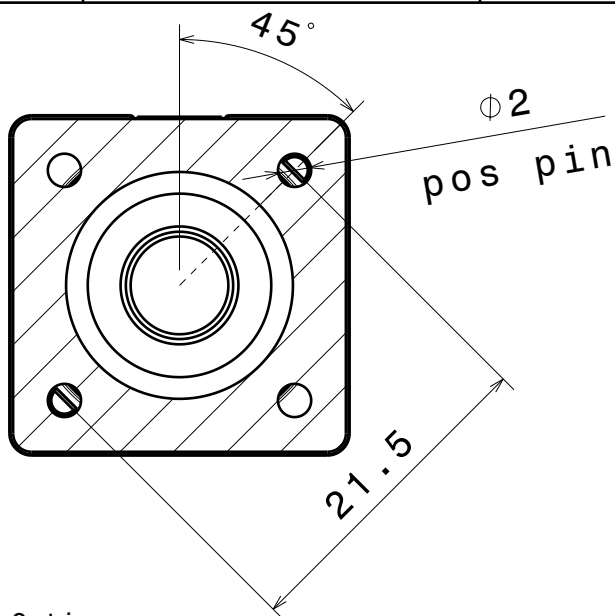
C

B

A

4

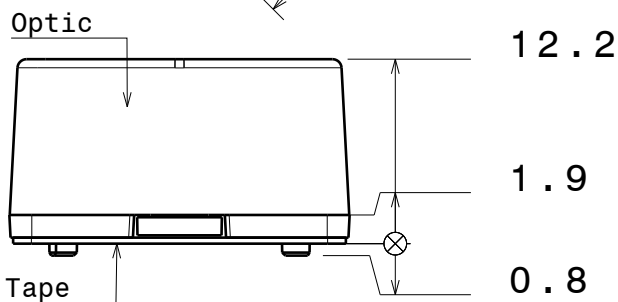
Bottom view



4

3

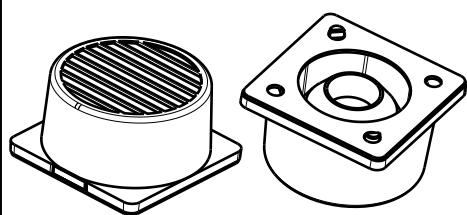
Front view



3

2

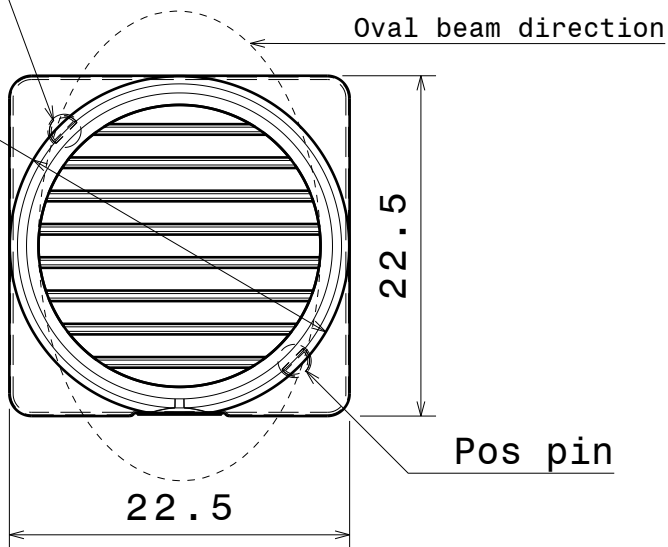
Top view



Pos pin

 $\varnothing 22.4$

Oval beam direction



2

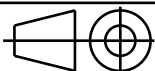
INDEX	DESCRIPTION	MATERIAL	COLOUR
1	VERONICA-SQ	PMMA / PU 2-sided adhesive foam tape	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

VERONICA-SQ

This drawing is the property
of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy."

SIZE PART NUMBER

A4

SCALE 1:1 WEIGHT

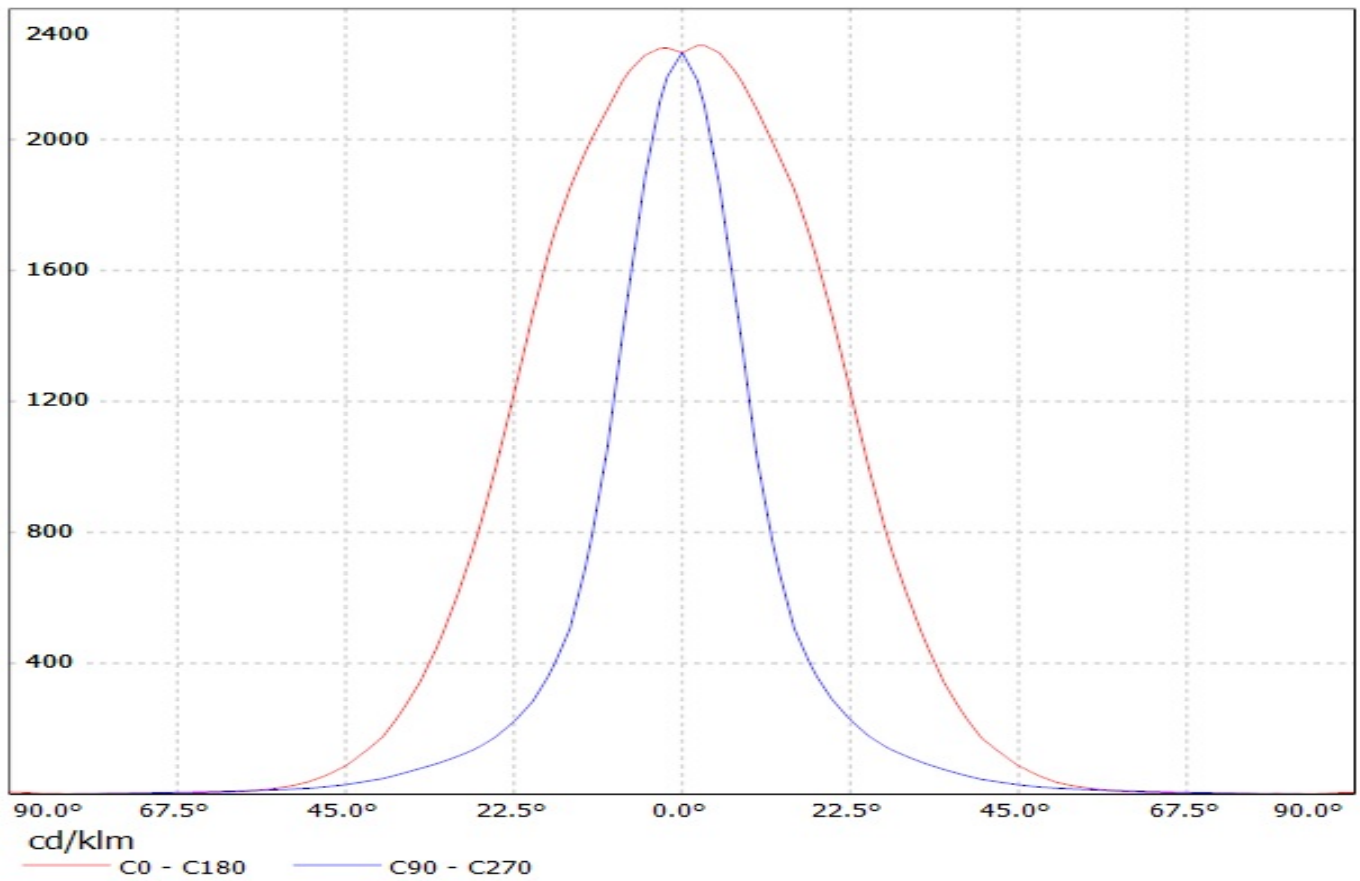
SHEET 1/1

D

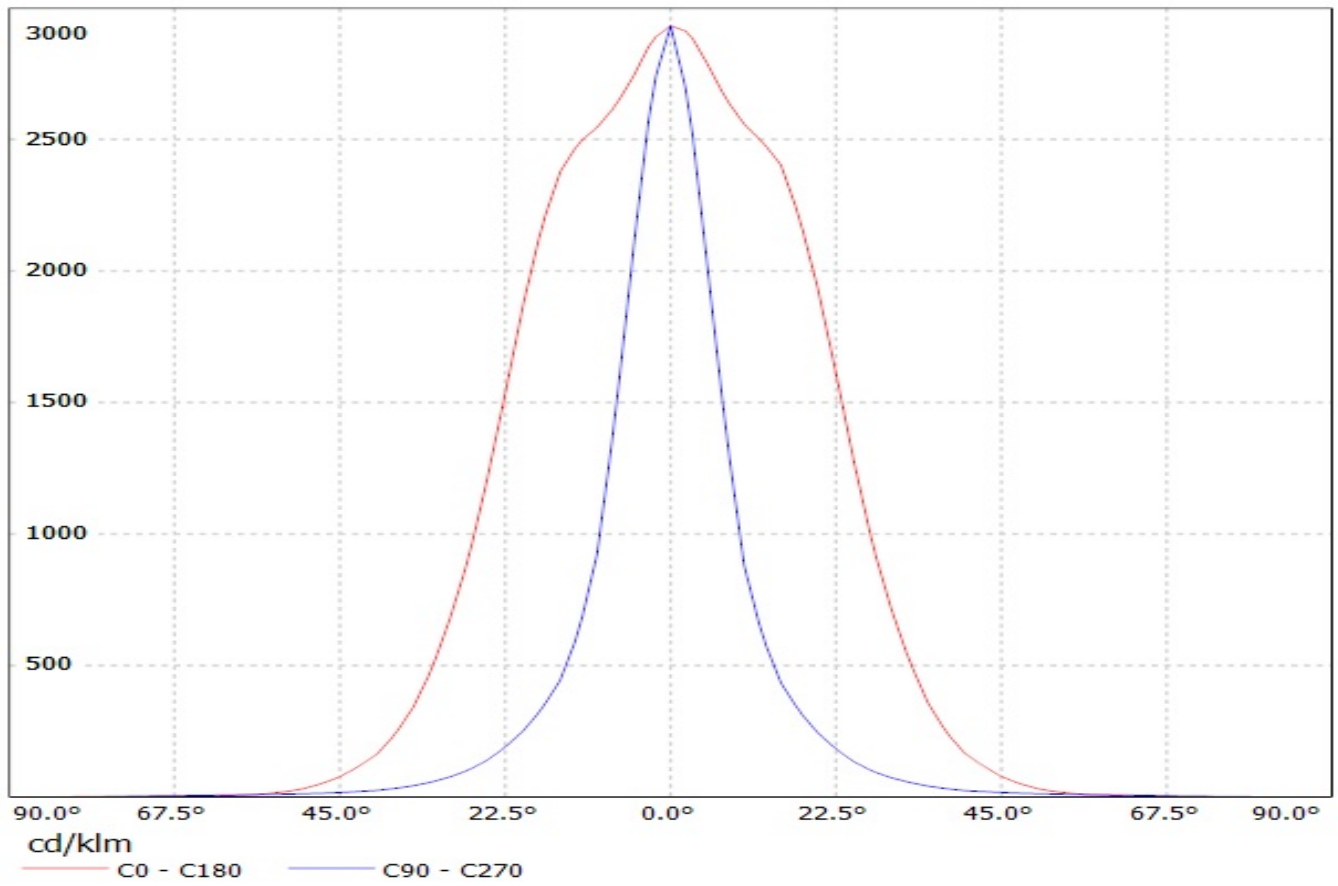
A

1

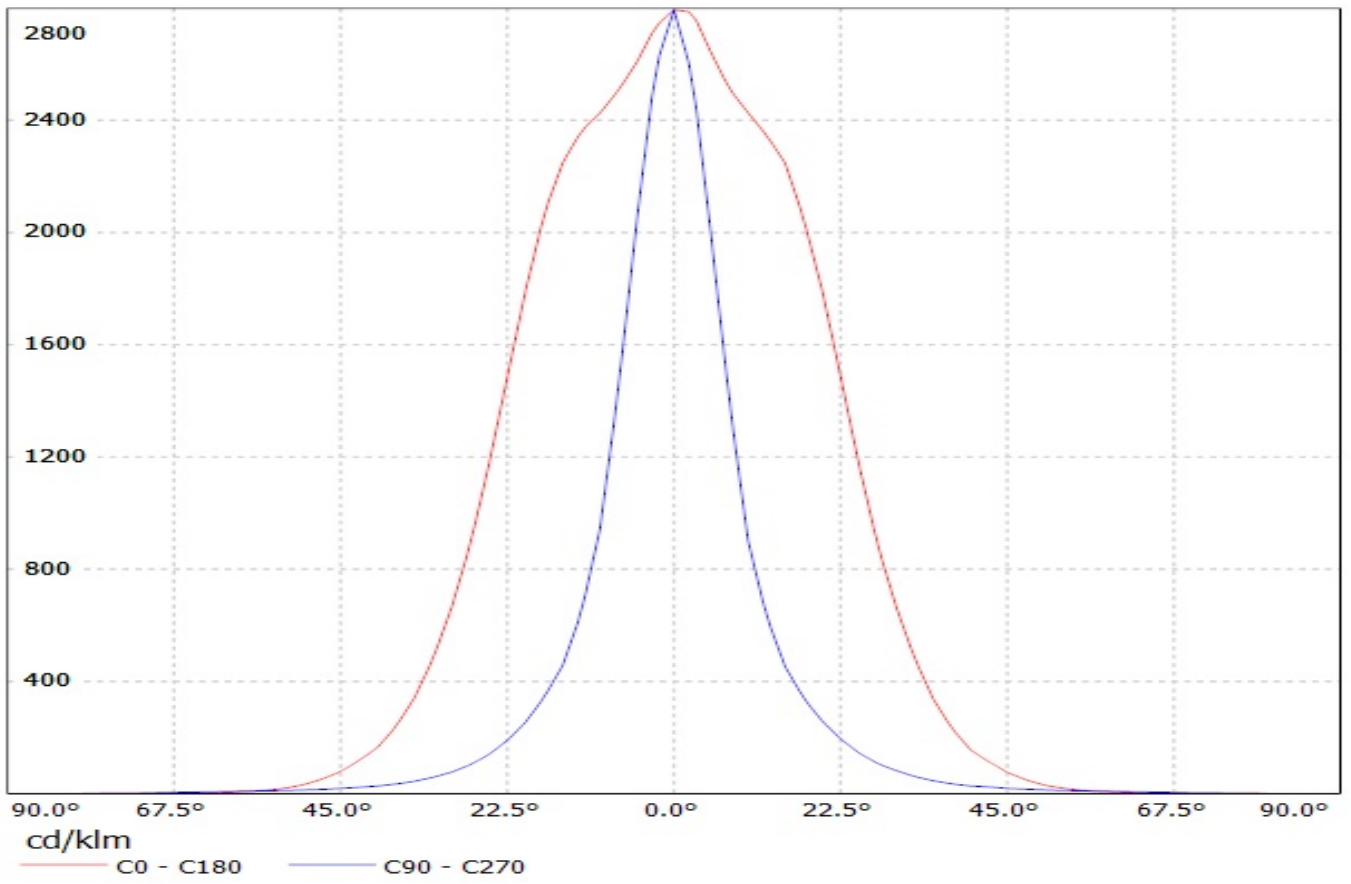
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XM-L) Efficiency=80%
Lamps: 1 x Cree XM-L (XMLAWT-00-0000-0000T6051) 101lm @ 250mA CCT=8900K P=0.7W I=250mA



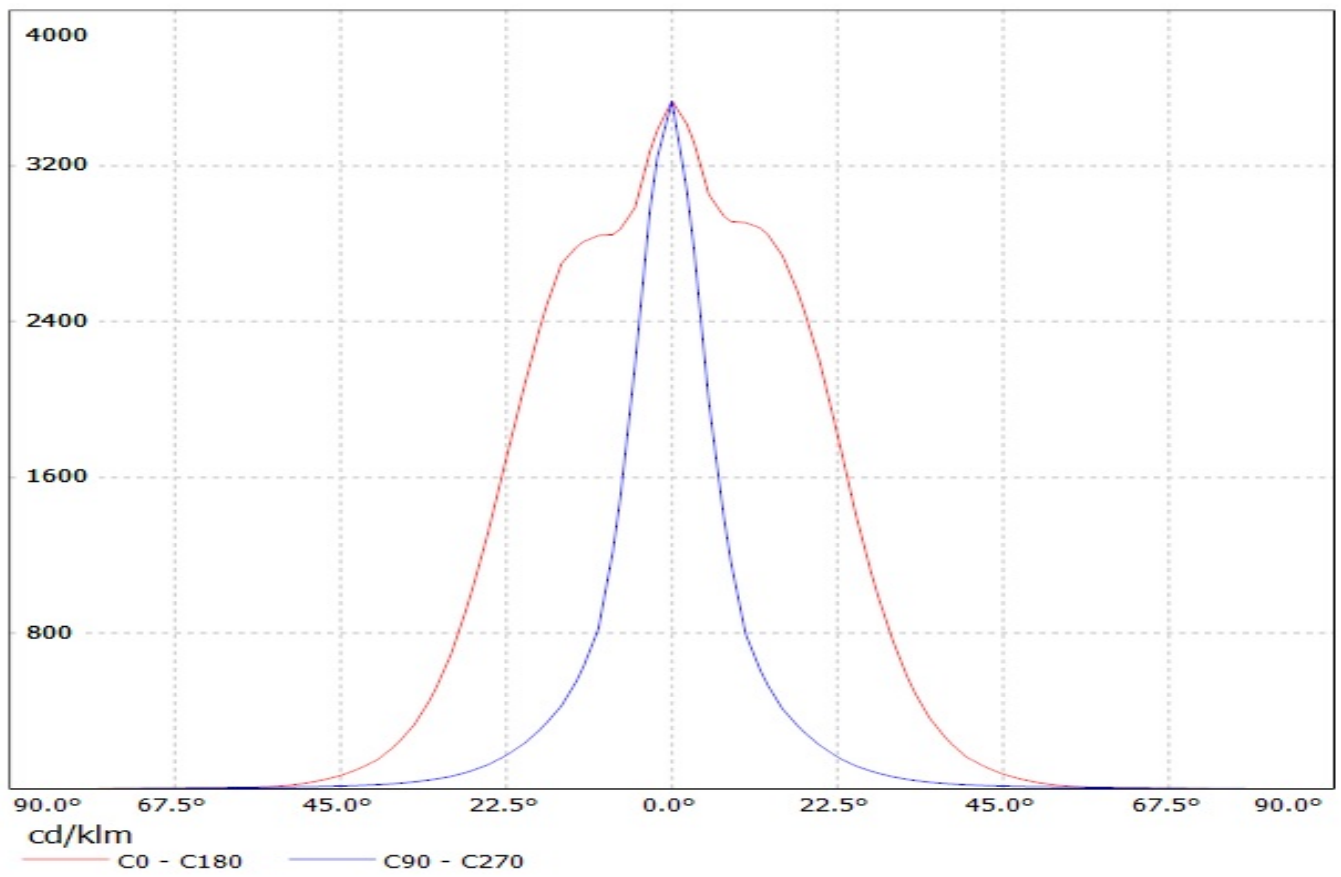
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XP-G2) Efficiency=80%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA



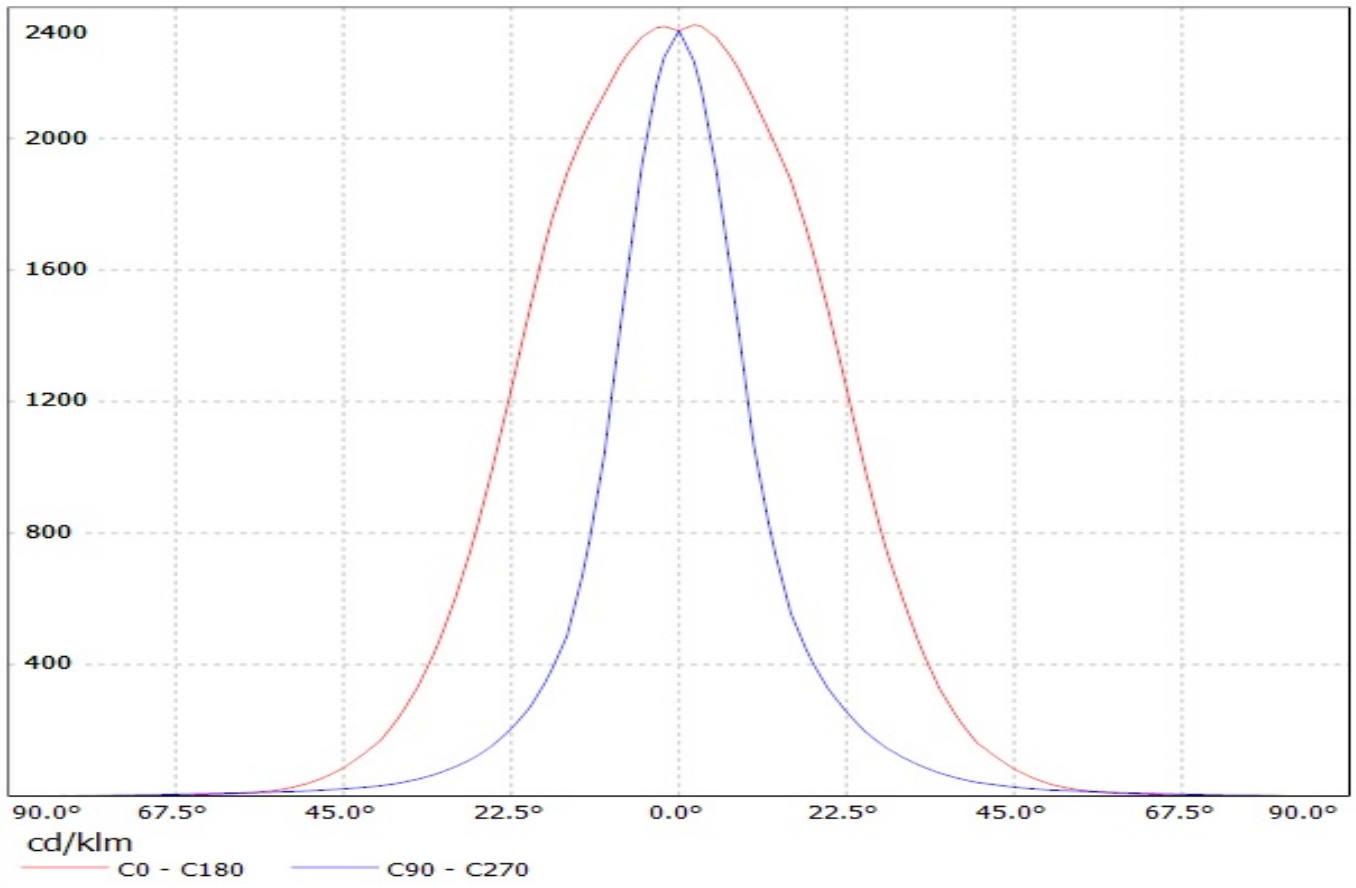
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XT-E) Efficiency=79%
Lamps: 1 x Cree XT-E (XTEAWT-00-0000-00000HBE8) 74lm @ 250mA CCT=2800K P=0.8W I=250mA



Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XP-E2) Efficiency=80%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA

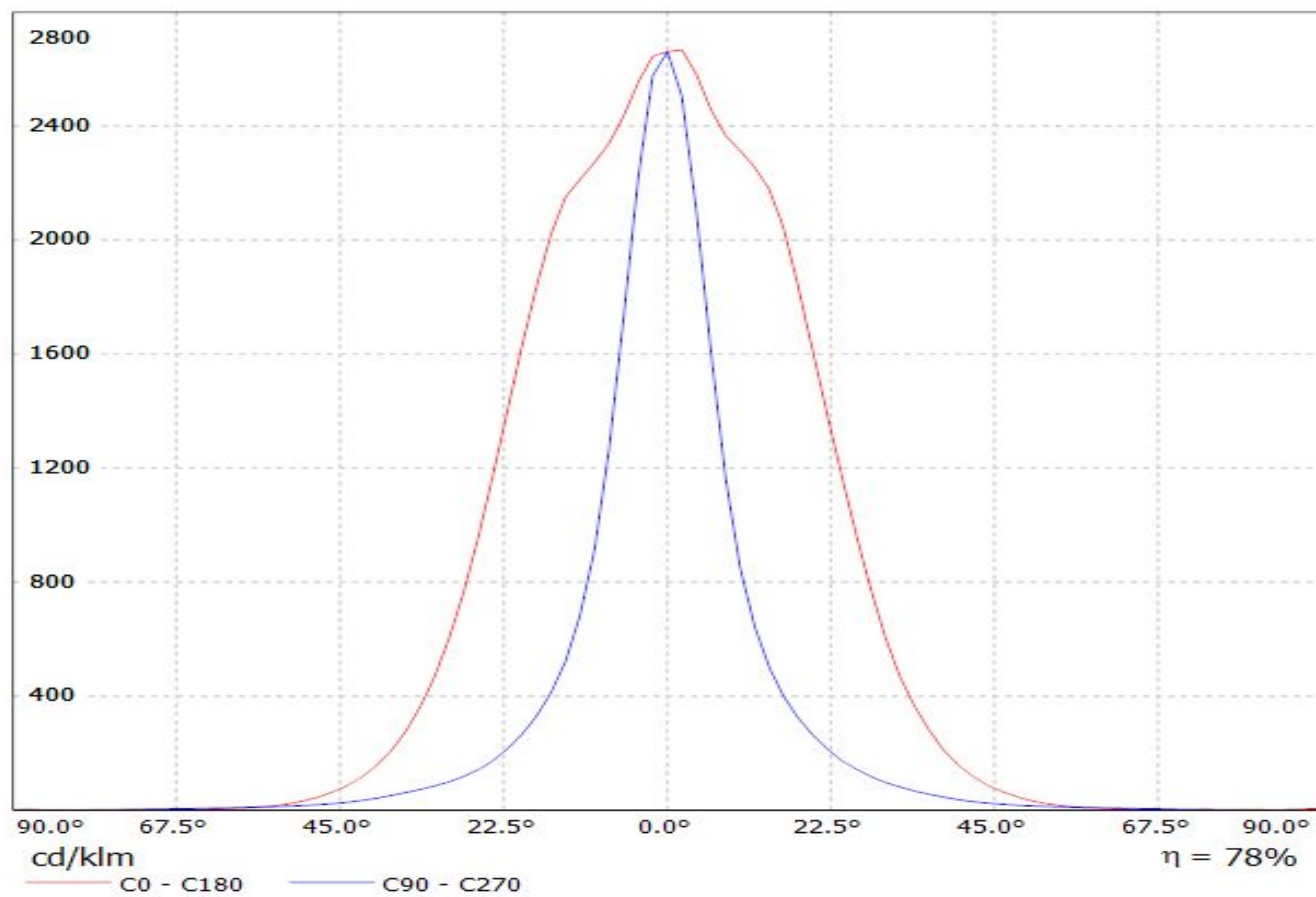


Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XM-L2) Efficiency=80%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

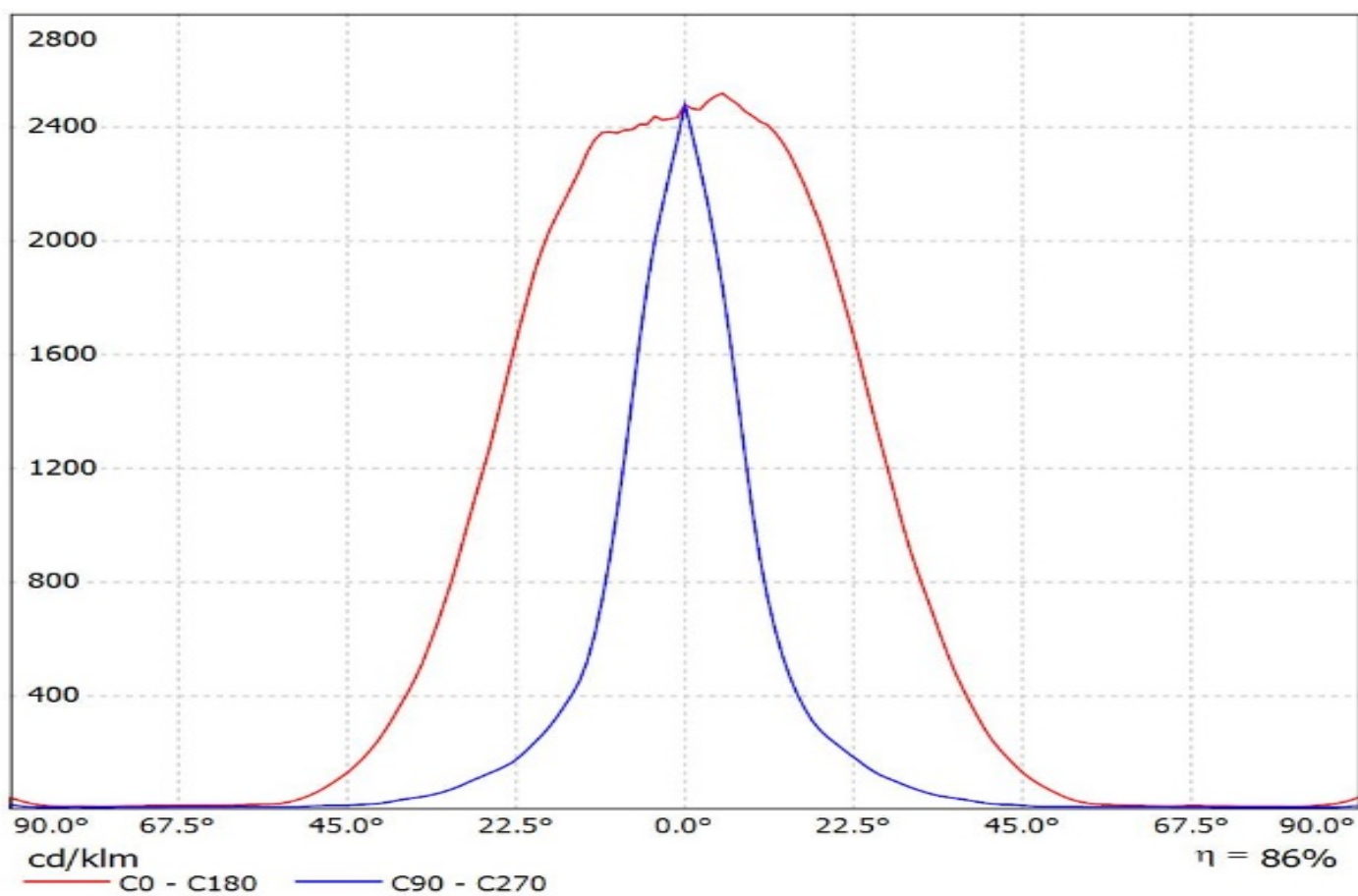


Luminaire: Ledil Oy CA13726_VERONICA-SQ-O (XB-H)

Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA

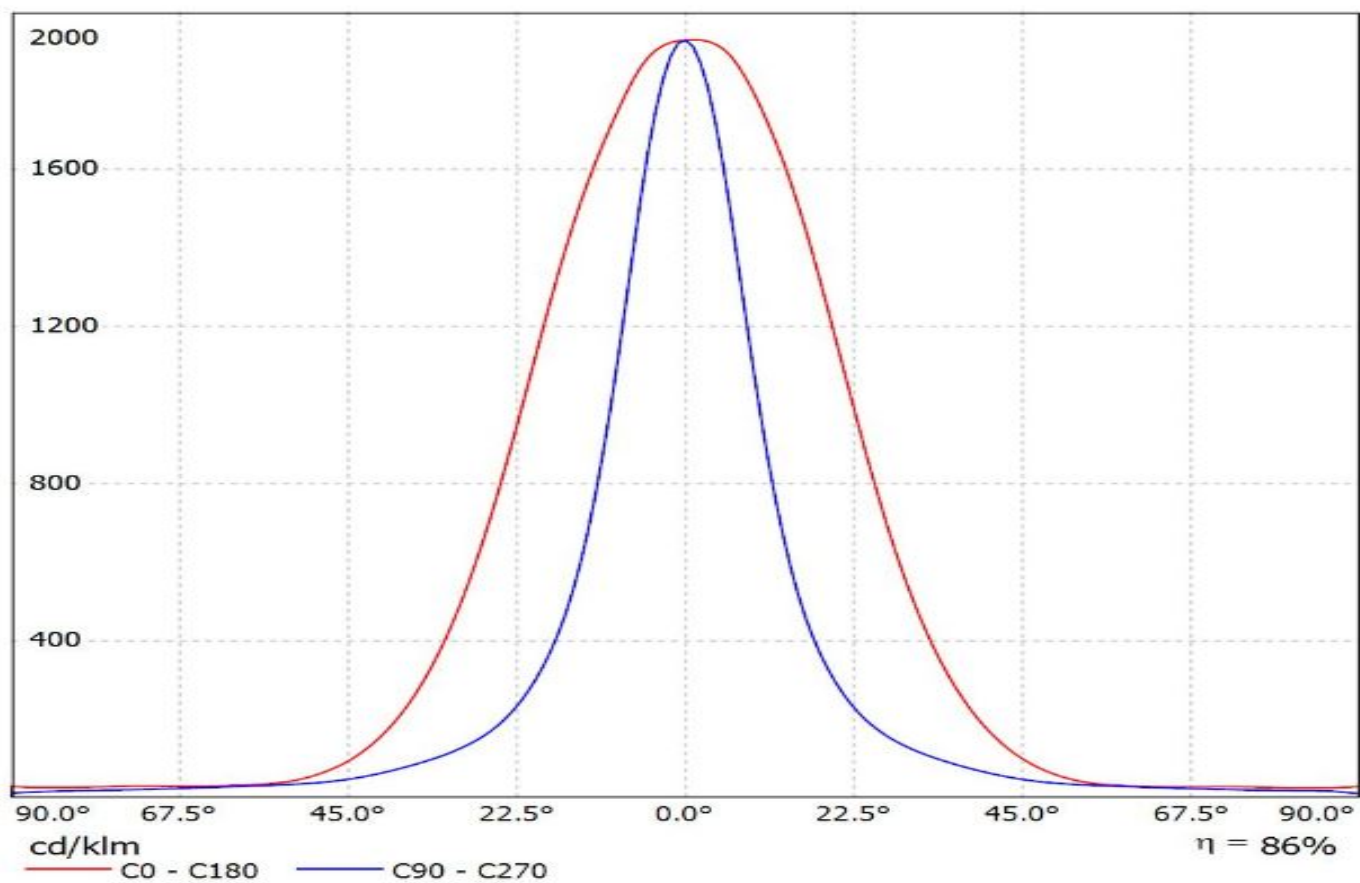


Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(XP-L_HD)_SIMULATED
Lamps: 1 x Cree XP-L HD

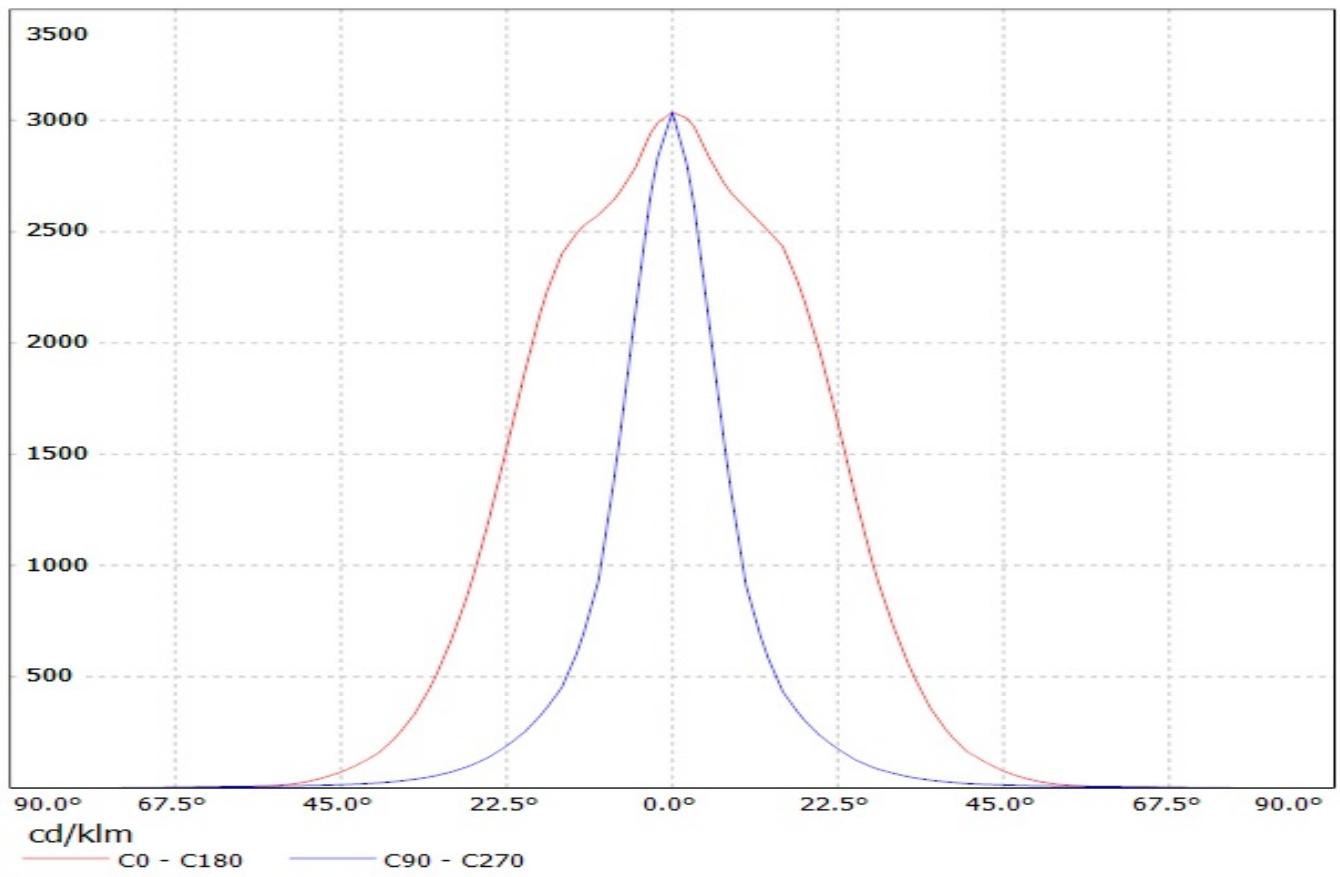


Luminaire: Ledil CA13726_VERONICA-SQ-O_(XP-L2)

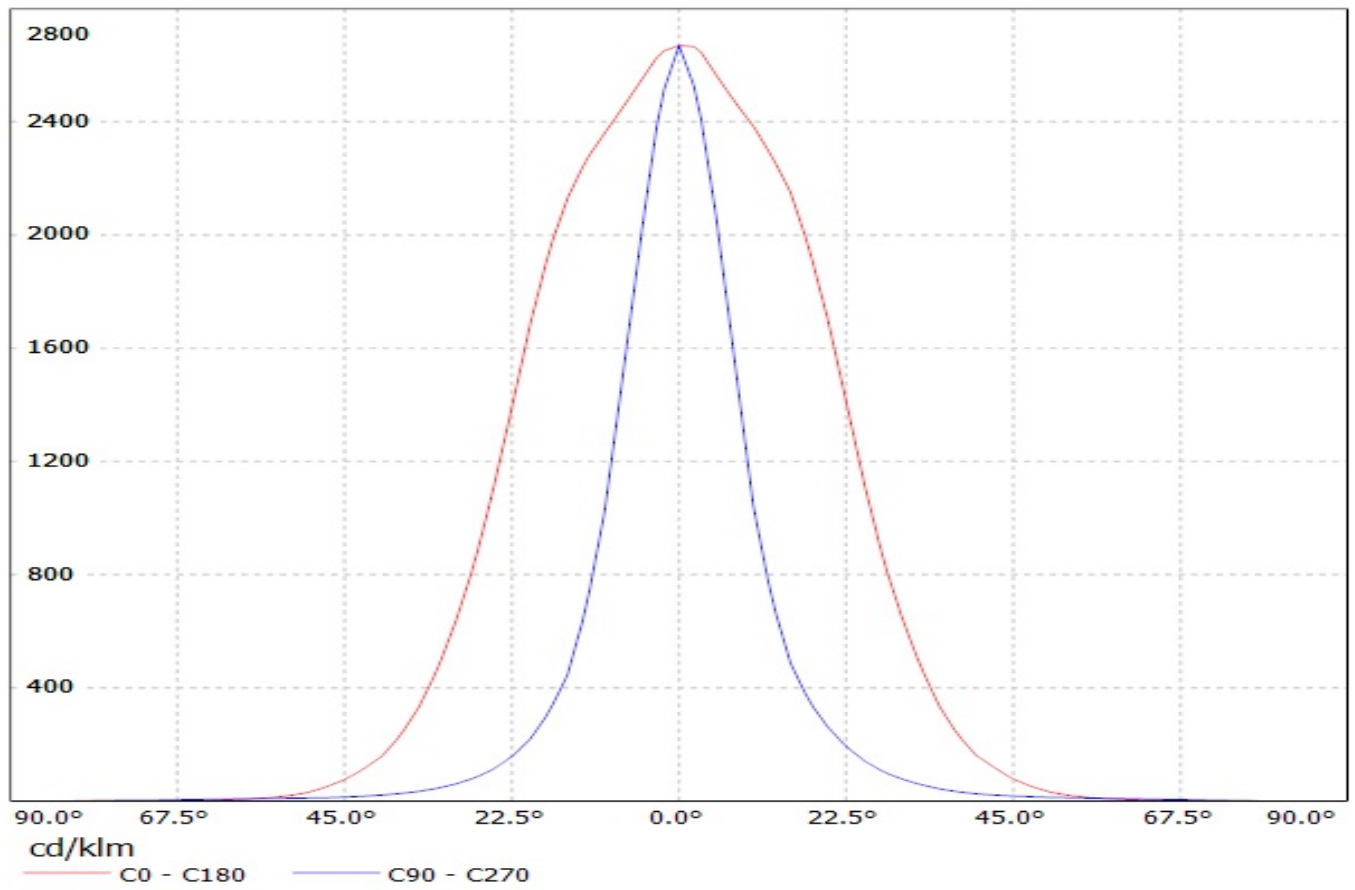
Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.868lm@250mA_P=0.717875W_I=0.25A



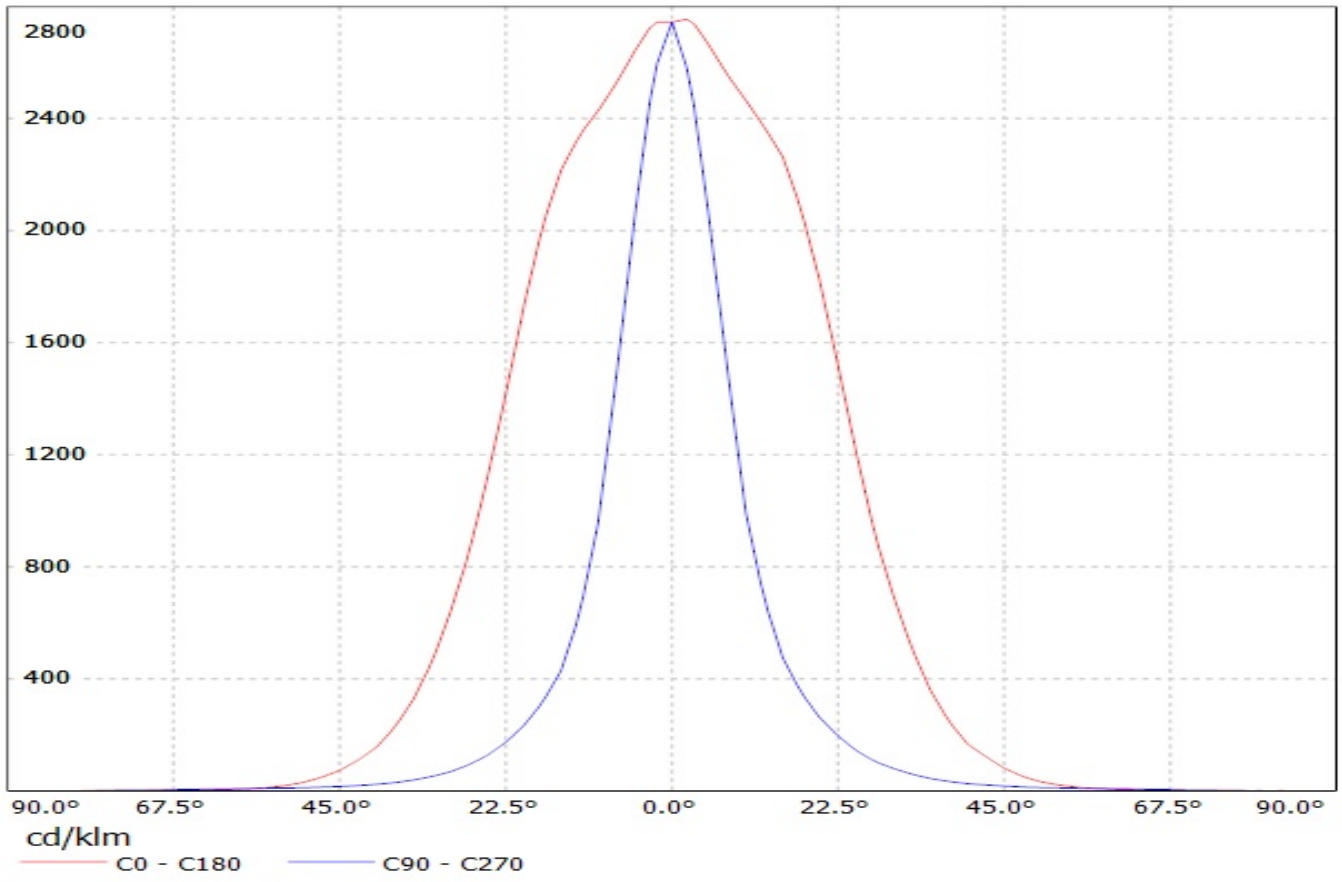
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_Rebel) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon Rebel (LXM8-PW30) 61lm @ 250mA CCT=2900K P=0.7W I=250mA



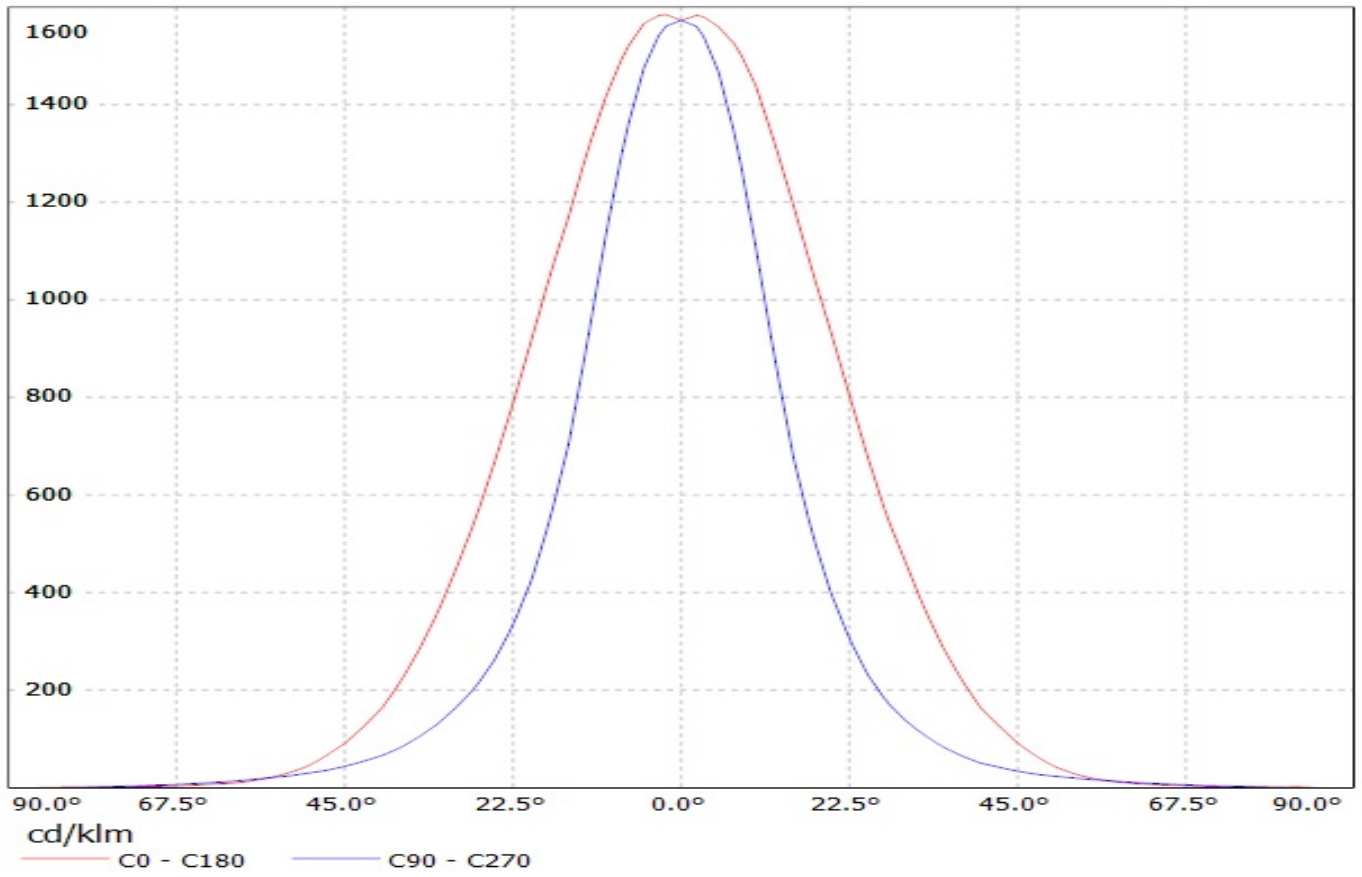
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_Rebel_ES) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon Rebel ES (91lm @ 250mA) CCT=4100K P=0.8W I=250mA



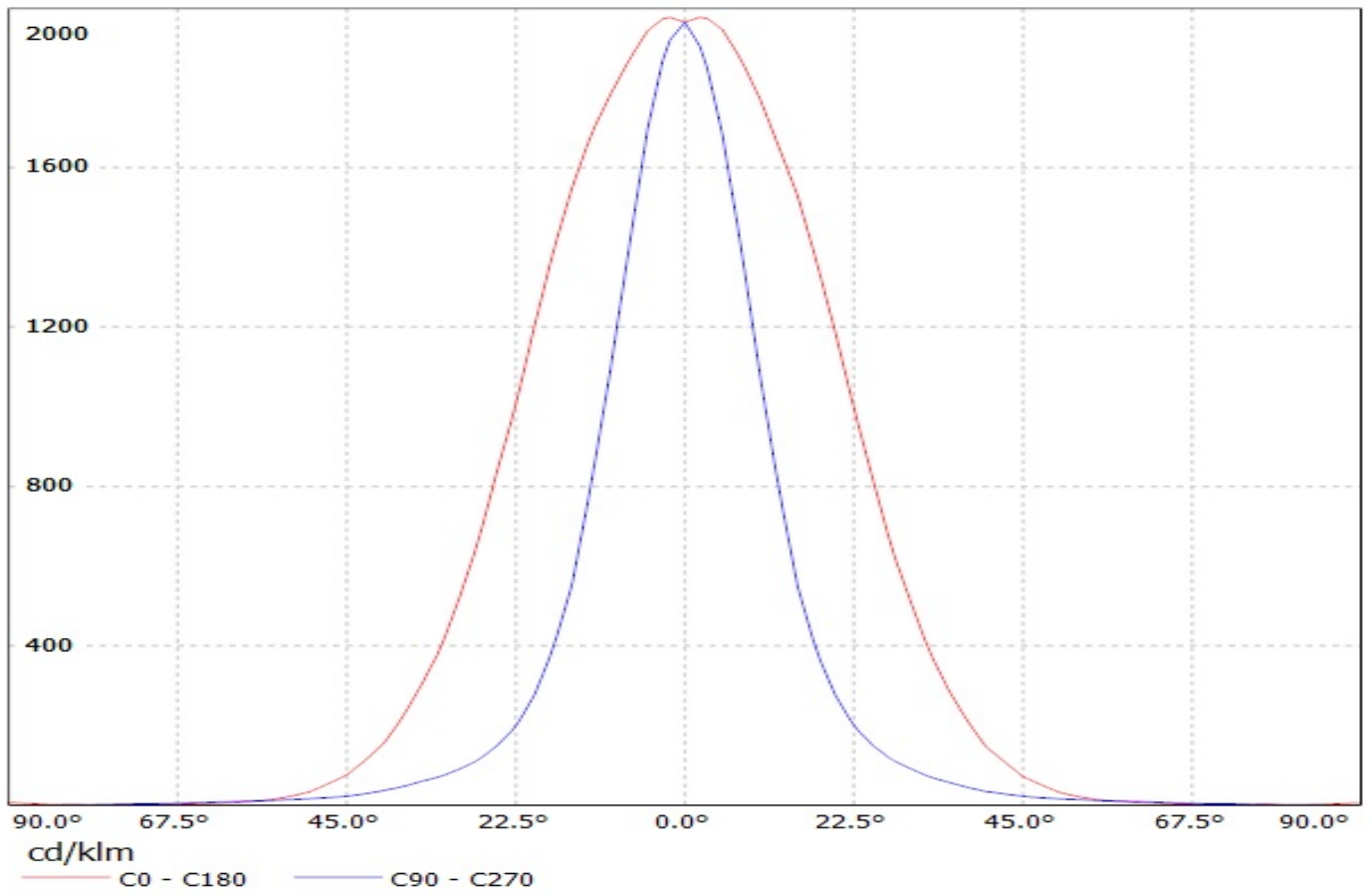
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_T) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 71.4lm @ 250mA CCT=3200K P=0.8W I=250mA



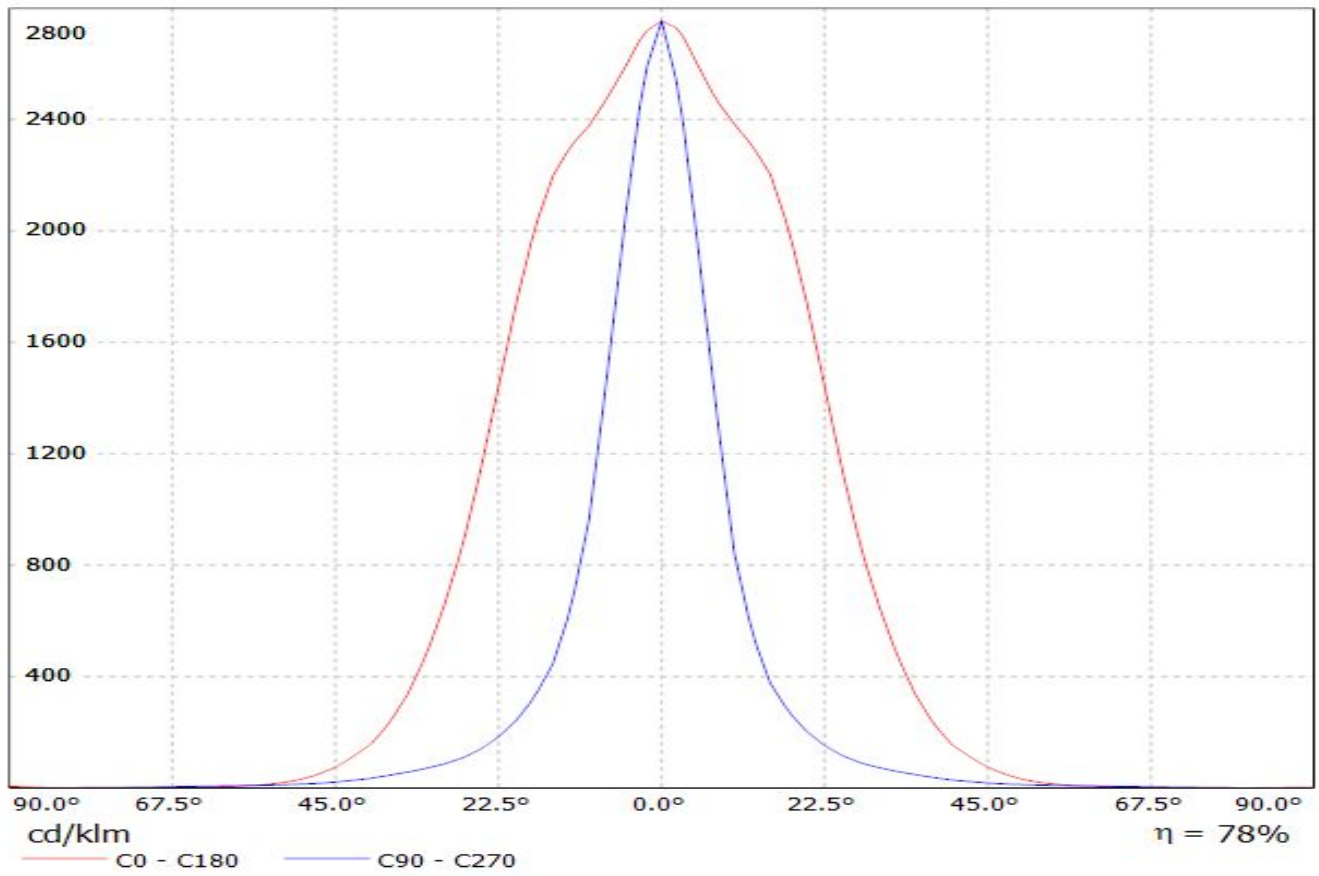
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_M) Efficiency=76%
Lamps: 1 x Philips Lumileds Luxeon M (LXR7-SW30) 354lm @ 250mA CCT=3100K P=2.8W I=250mA



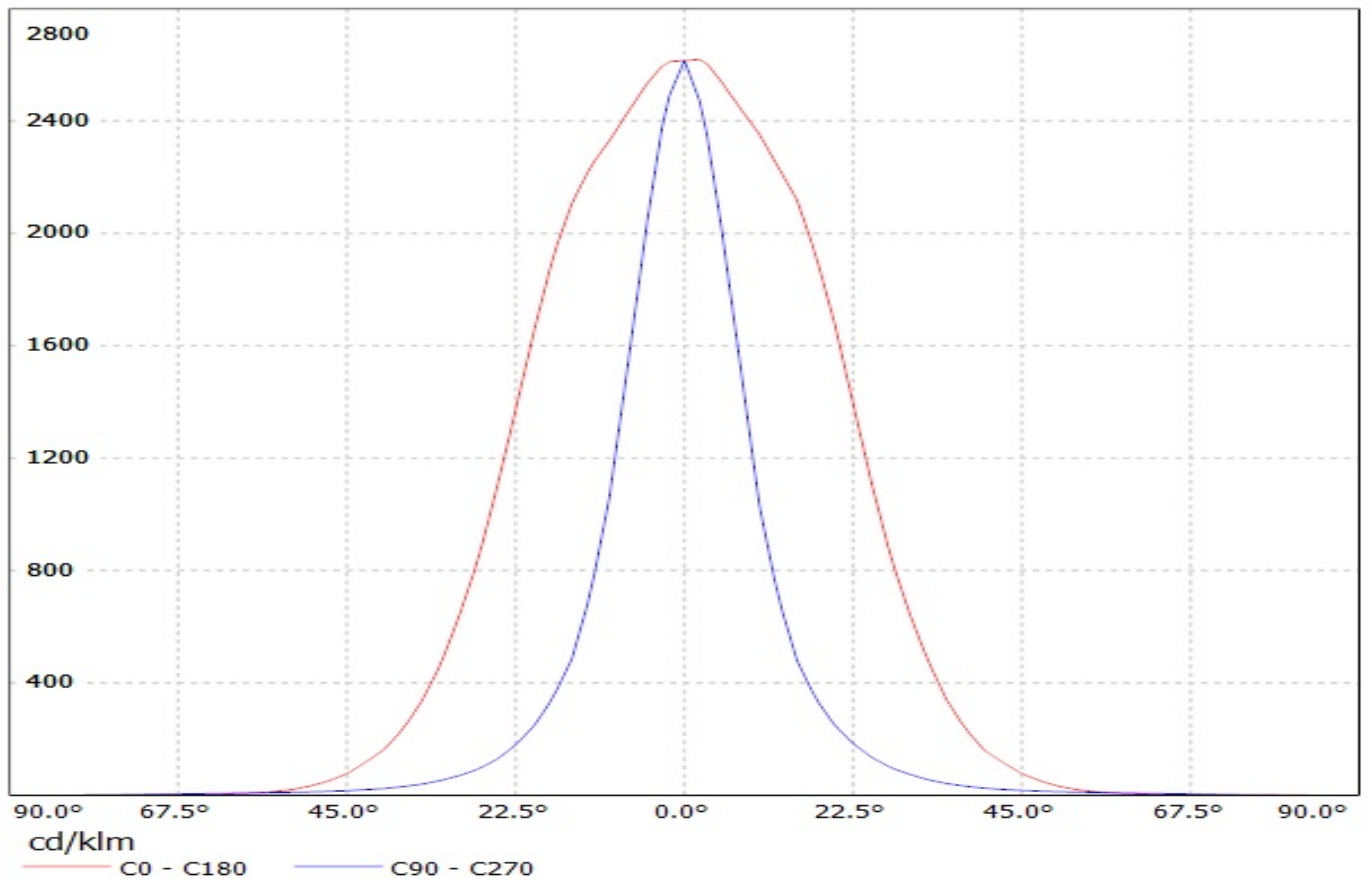
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_MZ) Efficiency=73%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



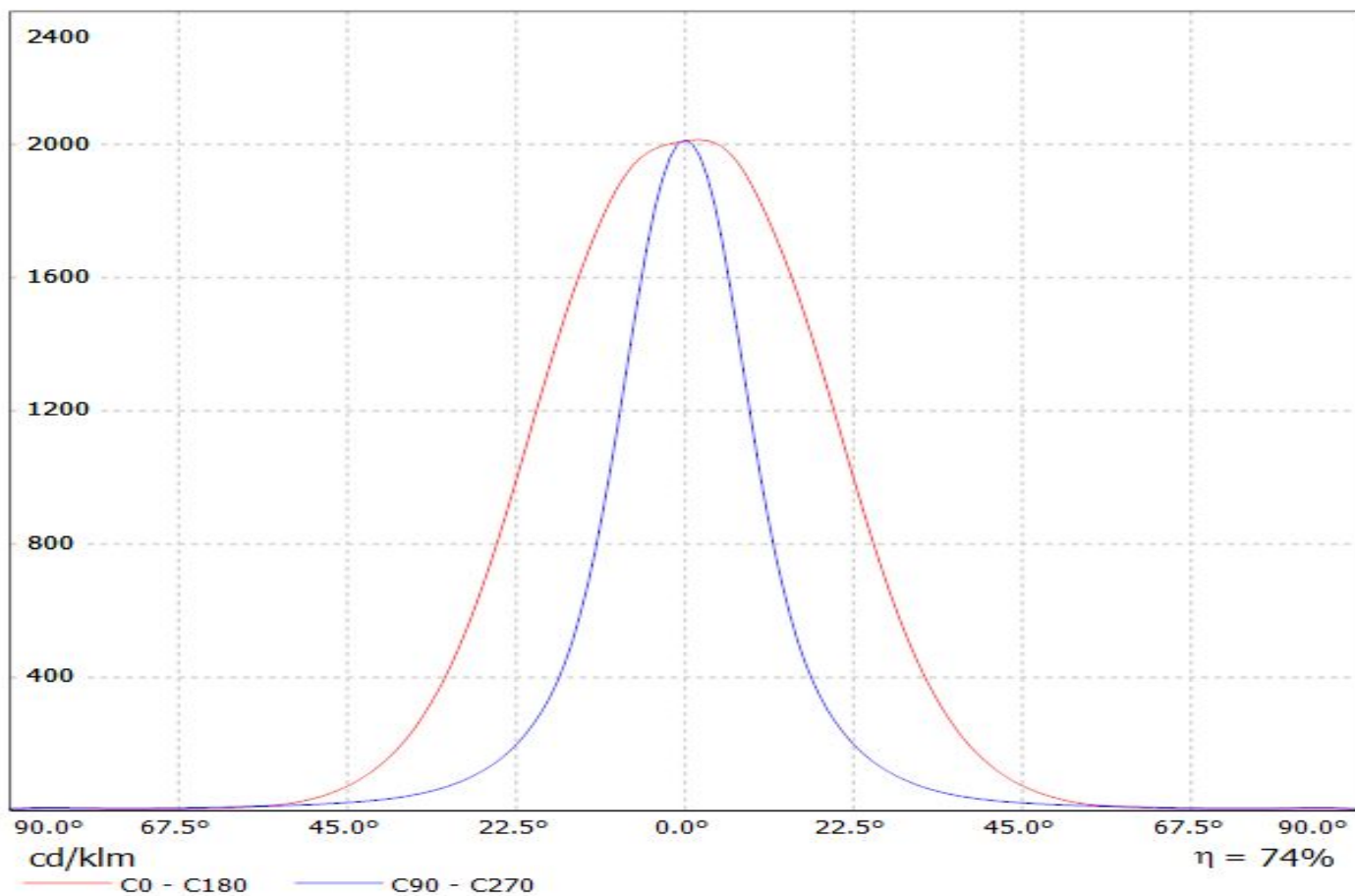
Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(Luxeon_TX) Efficiency=77%
Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73W I=250mA



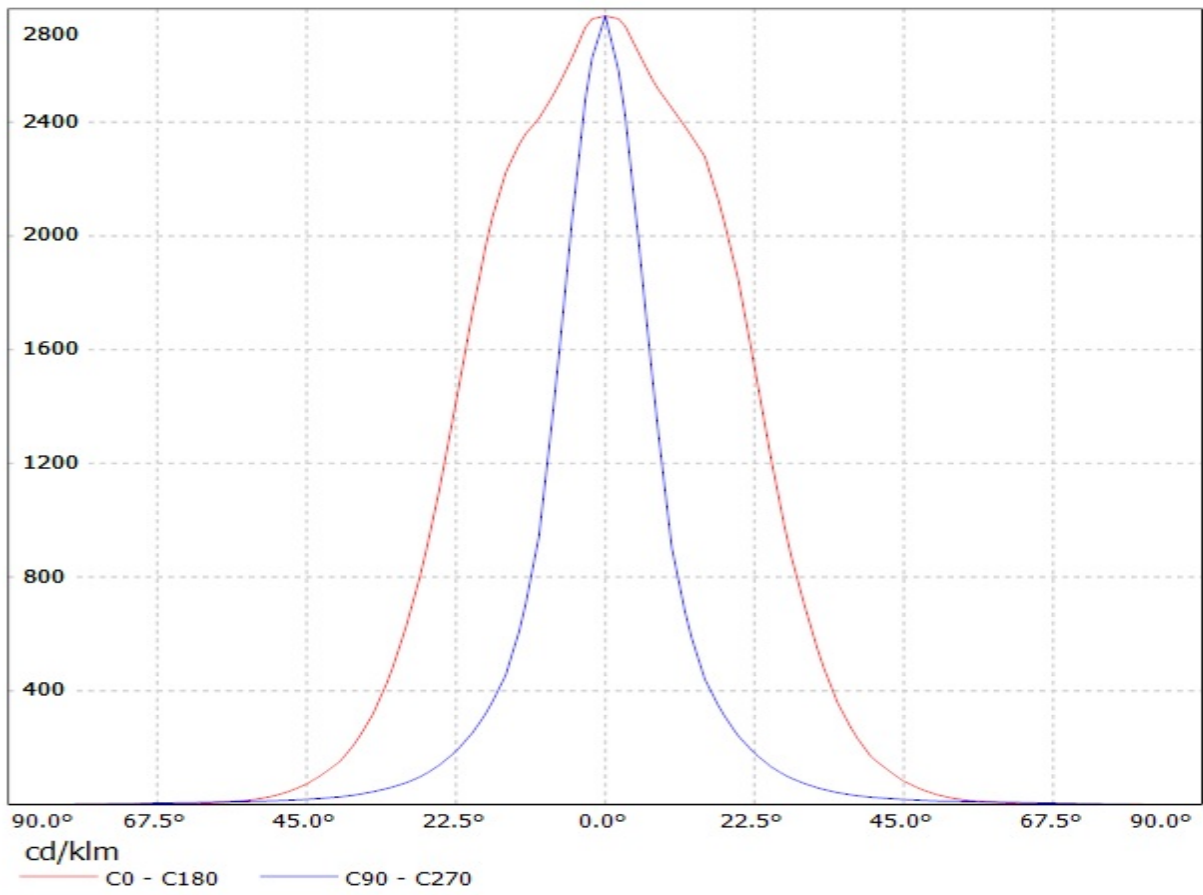
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(NVSxx19B) Efficiency=80%
Lamps: 1 x Nichia NVSxx19B (NVSL219BT) 106lm @ 250mA CCT=4300K P=0.7W I=250mA



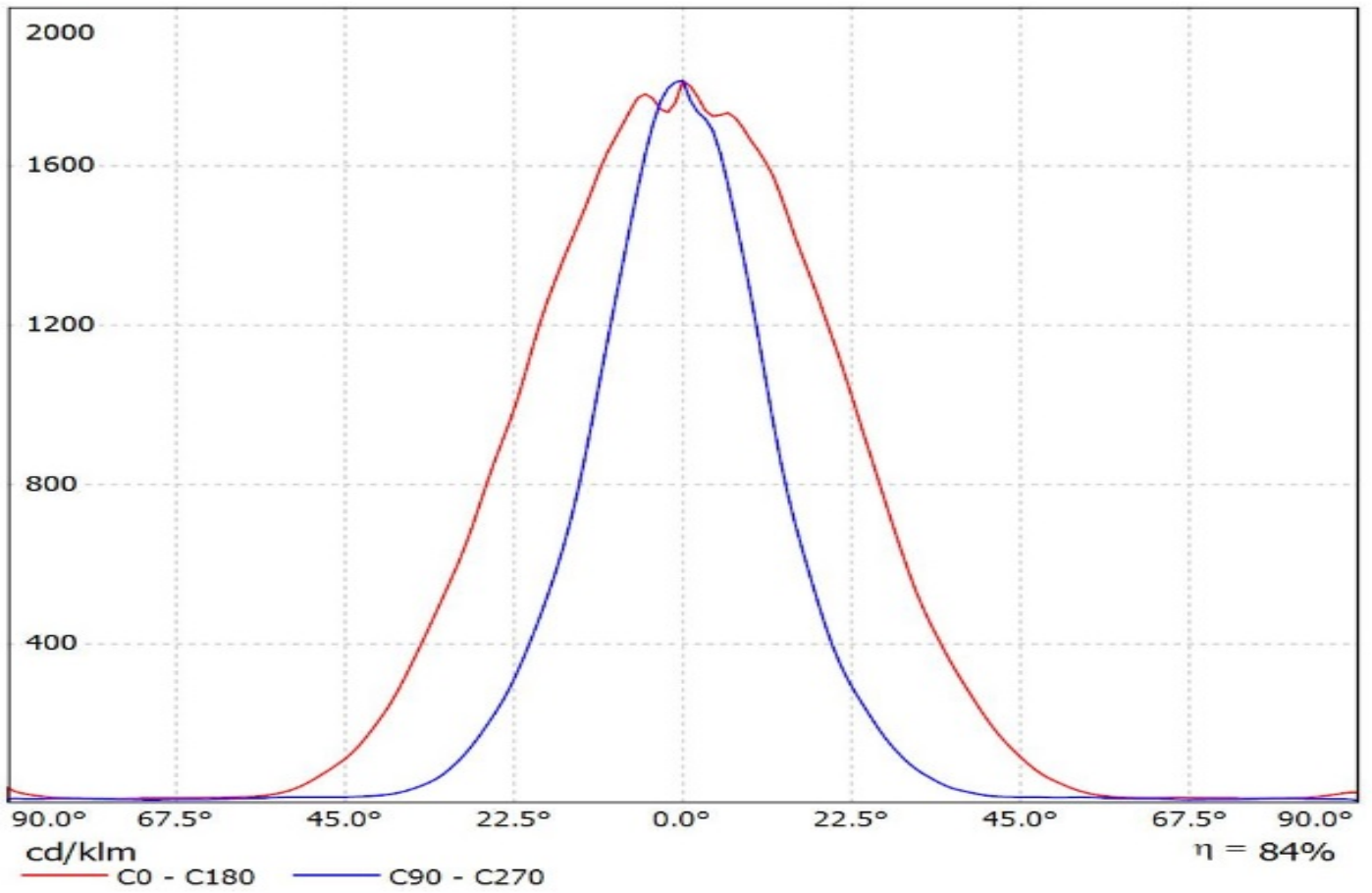
Luminaire: LEDiL Oy CA13726_VERONICA-SQ-O_(NWSL229AE)
Lamps: 1 x Nichia_NWSL229AE_120.54lm@250mA_P=0.7128W_I=0.250A



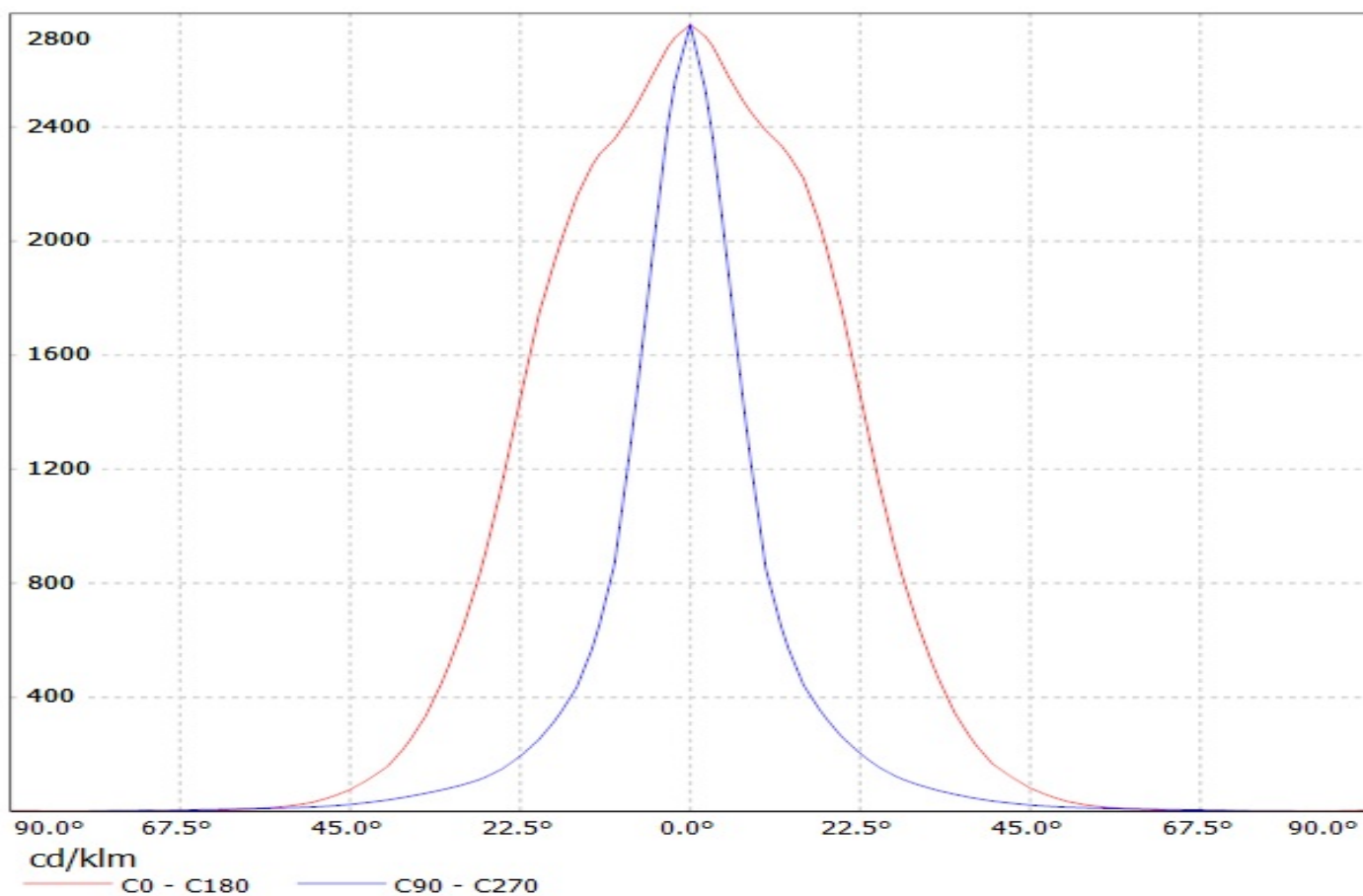
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Oslo Square_EC) Efficiency=79%
Lamps: 1 x Osram Oslo Square EC (LCW CQAR-EC-MQMS-5R8T-35) 79lm @ 250mA CCT=3200K P=0.8W I=250mA



Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(Duris_P10)_SIMULATED
Lamps: 1 x Osram Duris P10

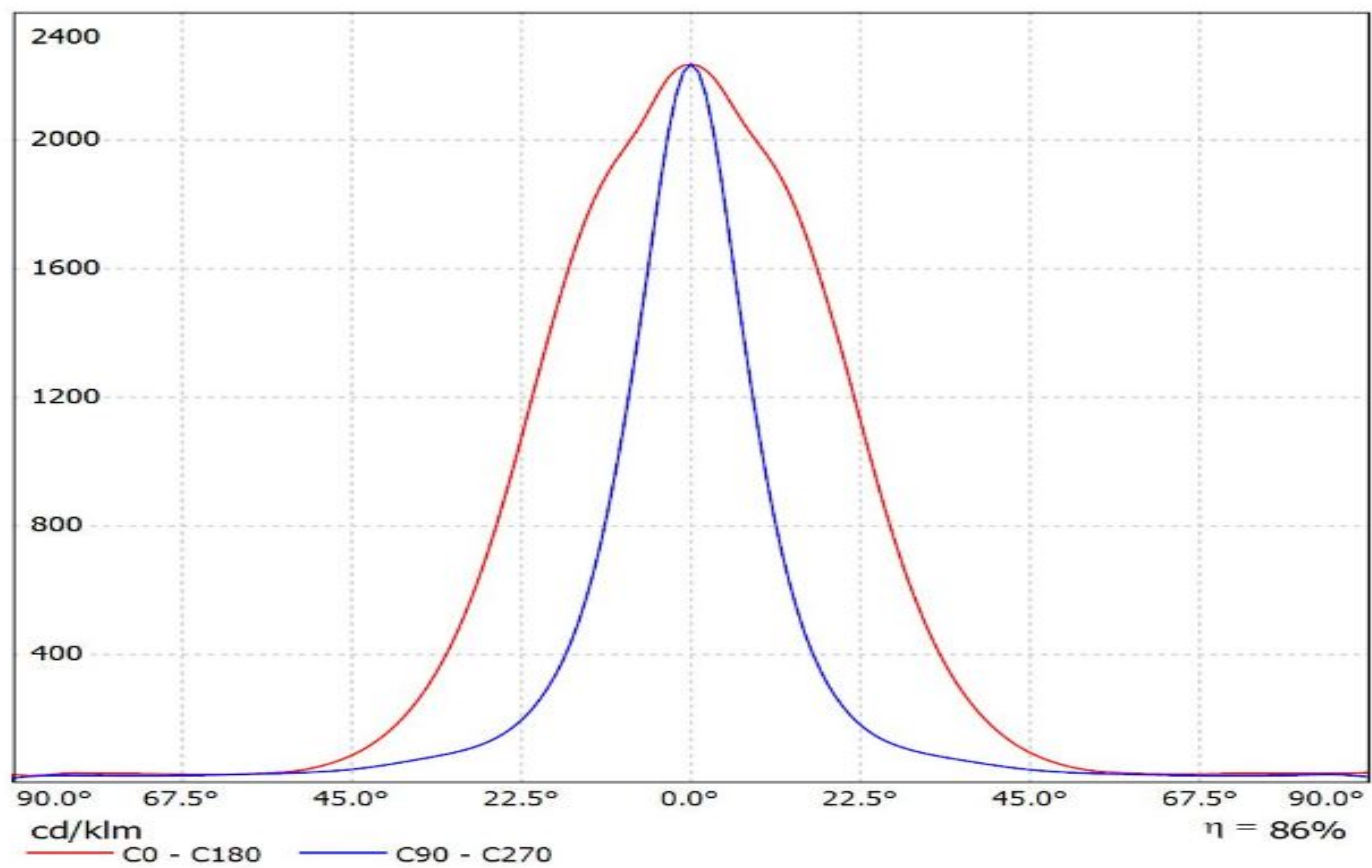


Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(LH351Z) Efficiency=78%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



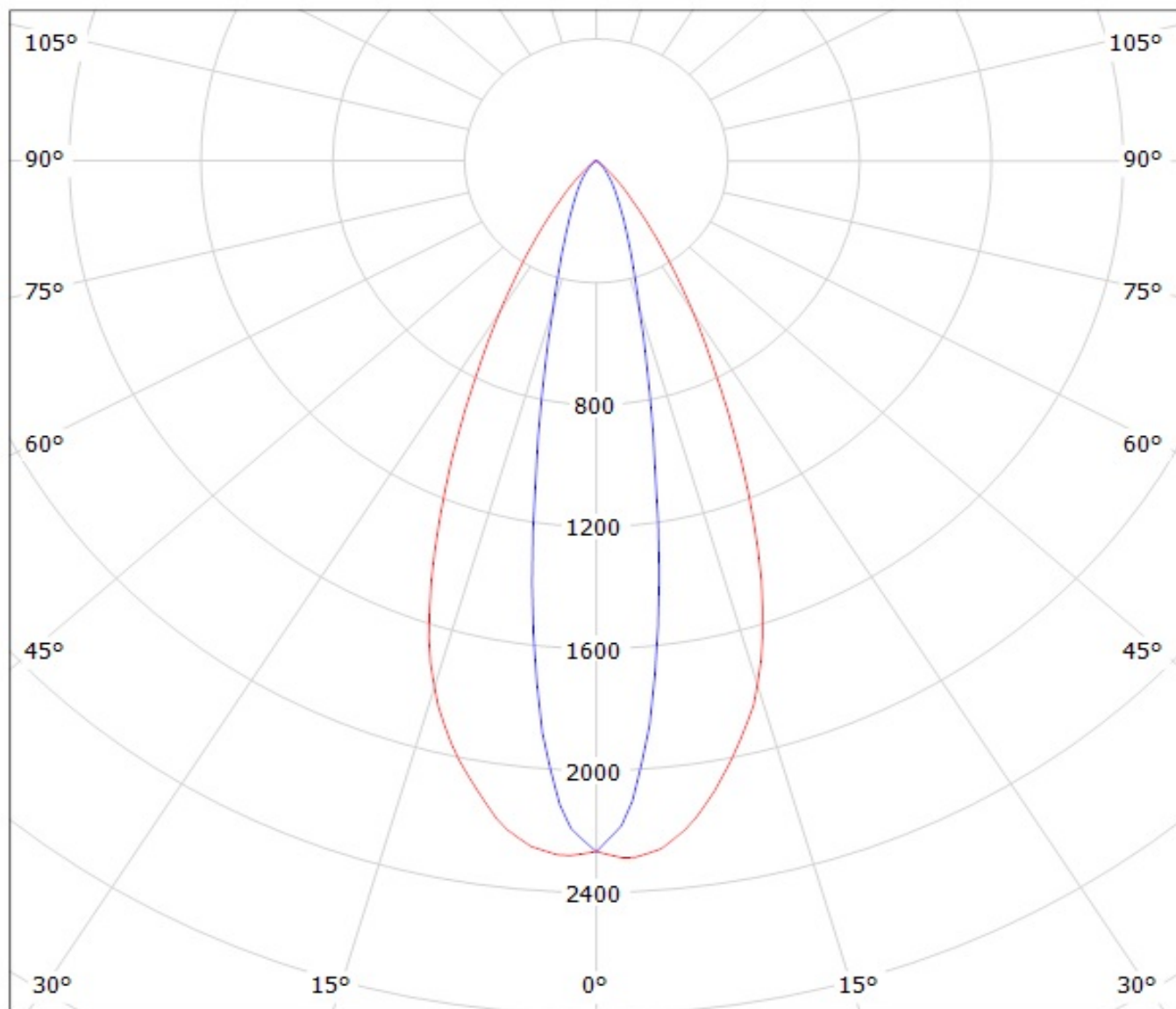
Luminaire: LEDiL Oy CA13726_VERONICA-SQ-O_(Z8Y22plus)

Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XM-L) Efficiency=80%

Lamps: 1 x Cree XM-L (XMLAWT-00-0000-0000T6051) 101lm @ 250mA CCT=8900K P=0.7W I=250mA



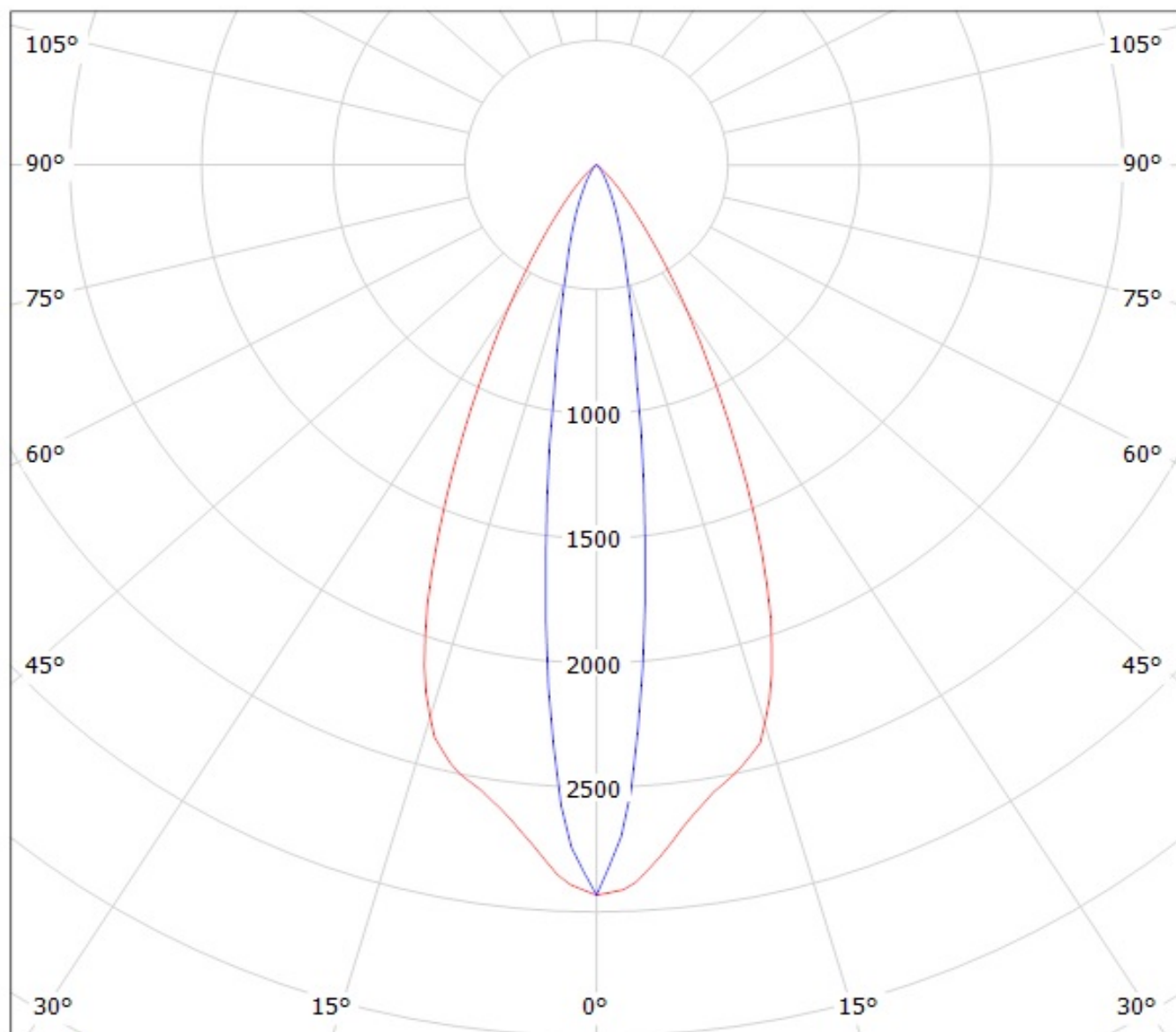
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XP-G2) Efficiency=80%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA



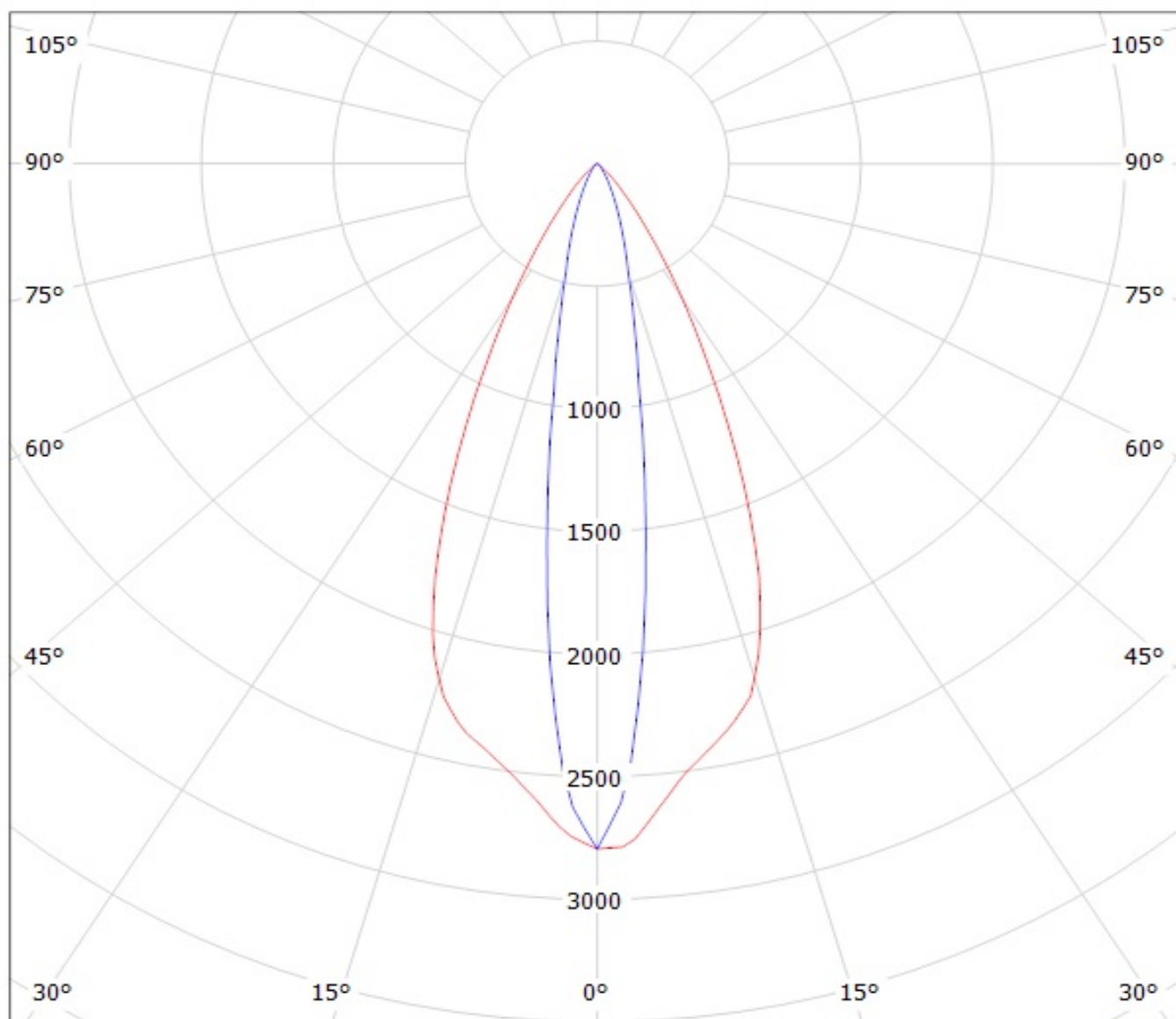
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XT-E) Efficiency=79%

Lamps: 1 x Cree XT-E (XTEAWT-00-0000-00000HBE8) 74lm @ 250mA CCT=2800K P=0.8W I=250mA

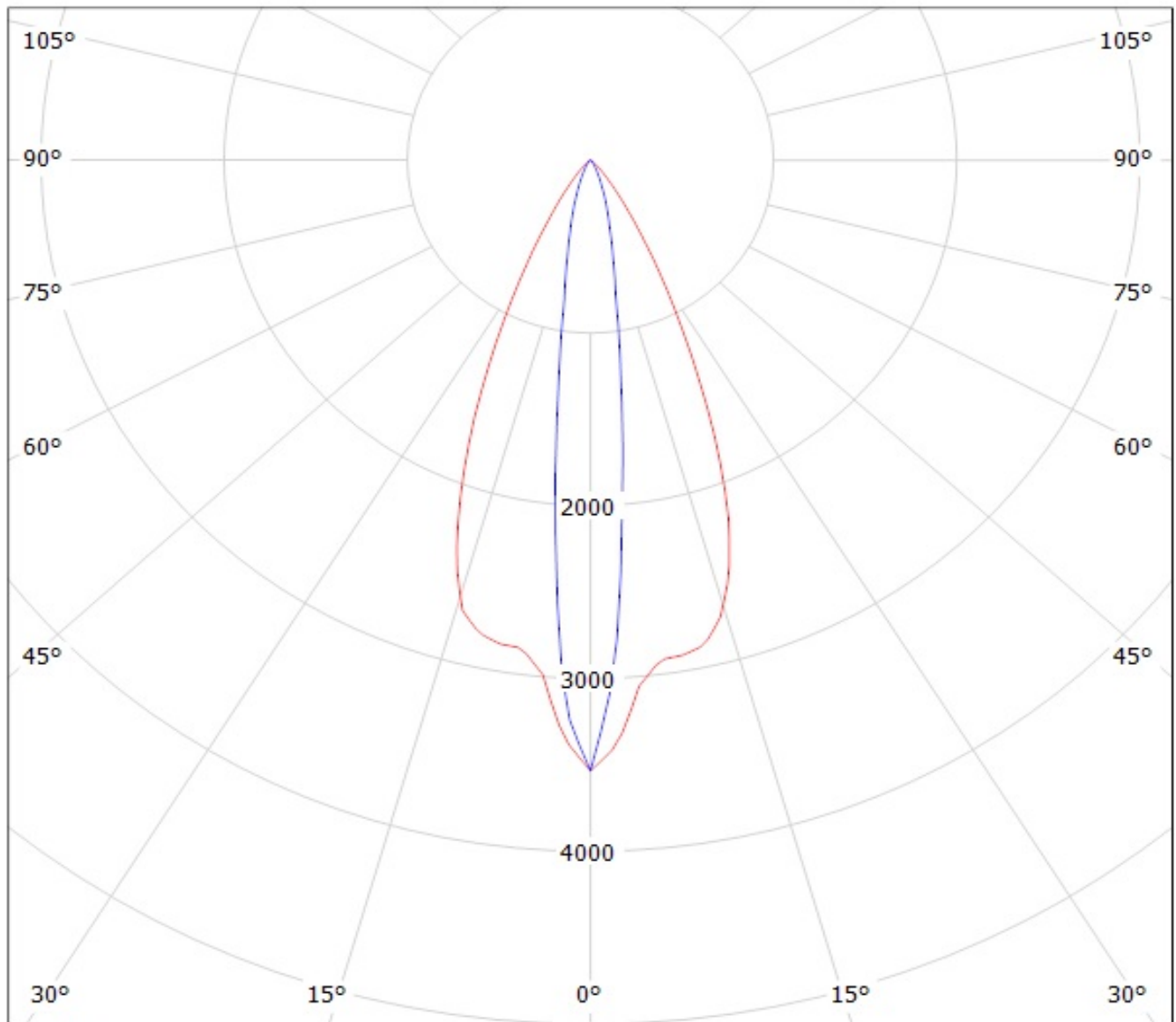


cd/klm

— C0 - C180

— C90 - C270

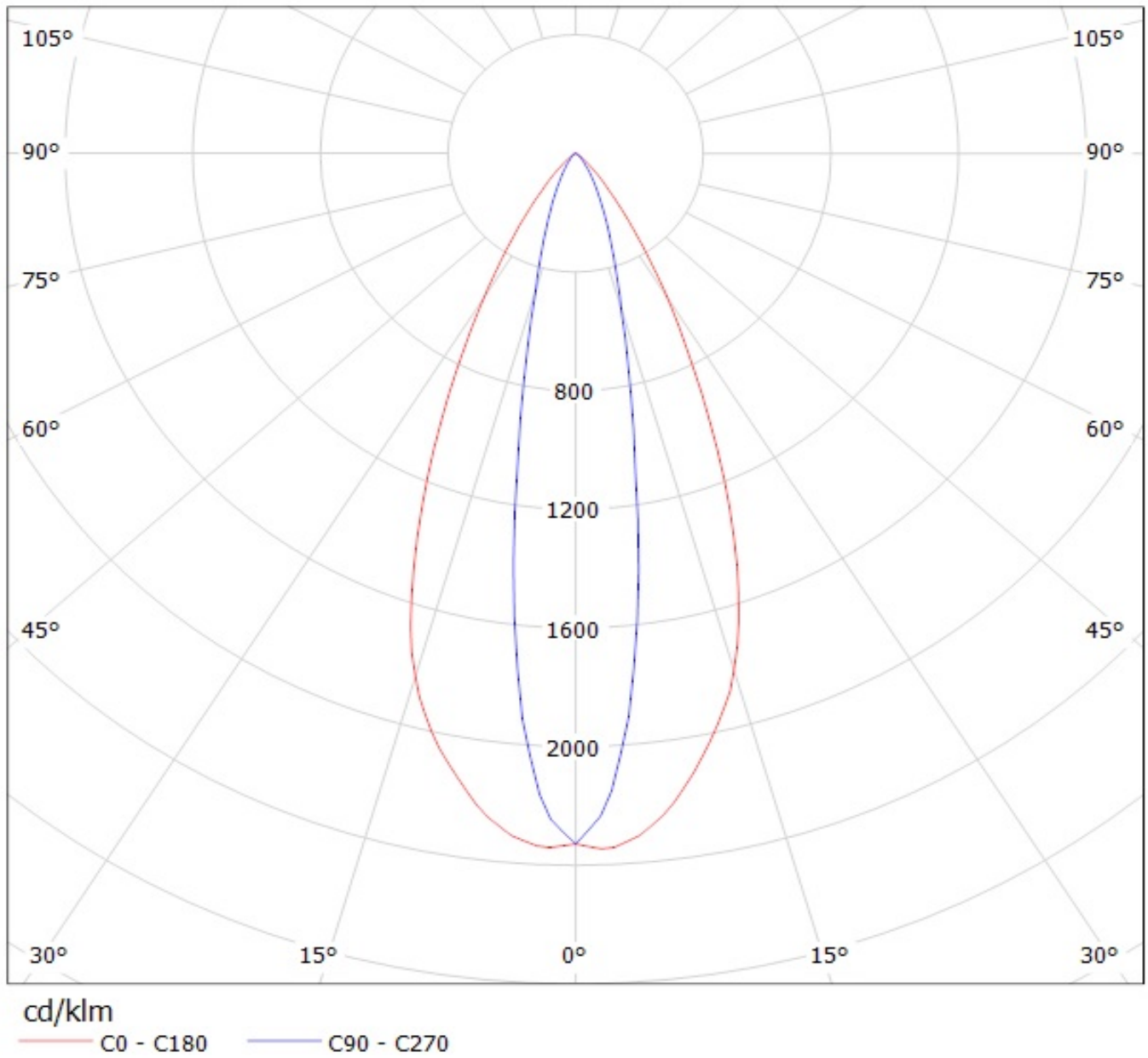
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XP-E2) Efficiency=80%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



cd/klm

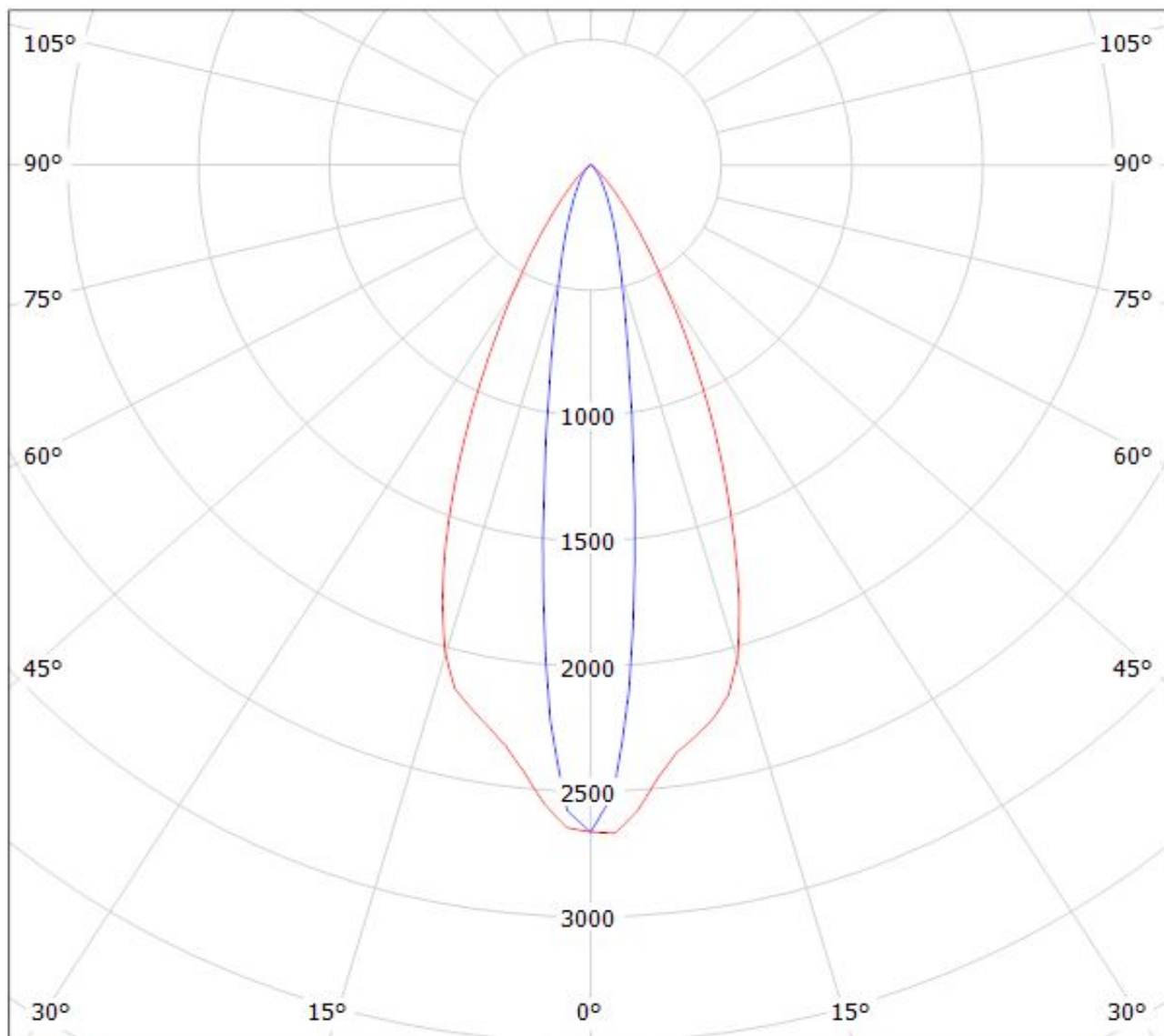
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(XM-L2) Efficiency=80%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(XB-H)

Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA



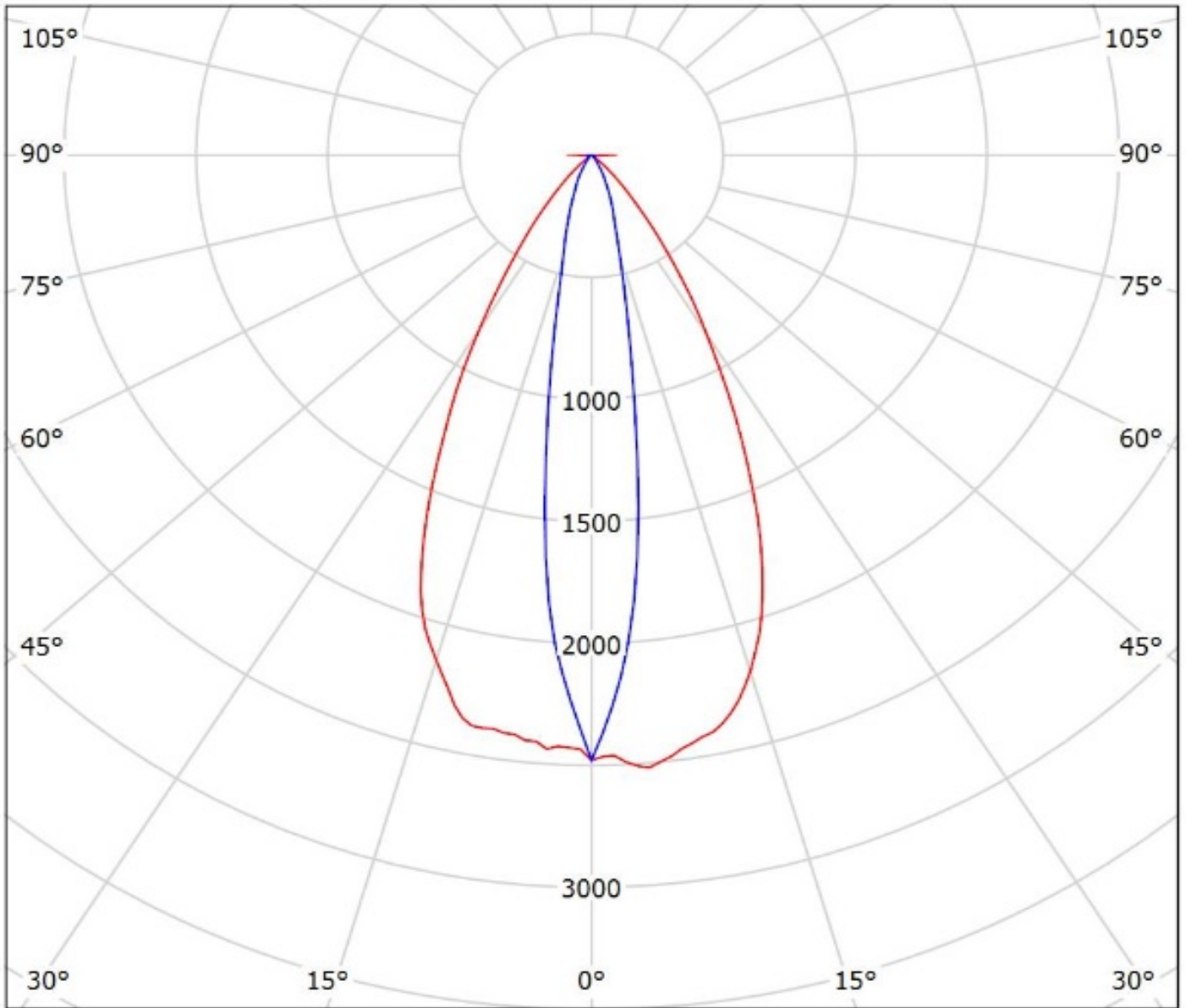
cd/klm

— C0 - C180

— C90 - C270

$\eta = 78\%$

Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(XP-L_HD)_SIMULATED
Lamps: 1 x Cree XP-L HD



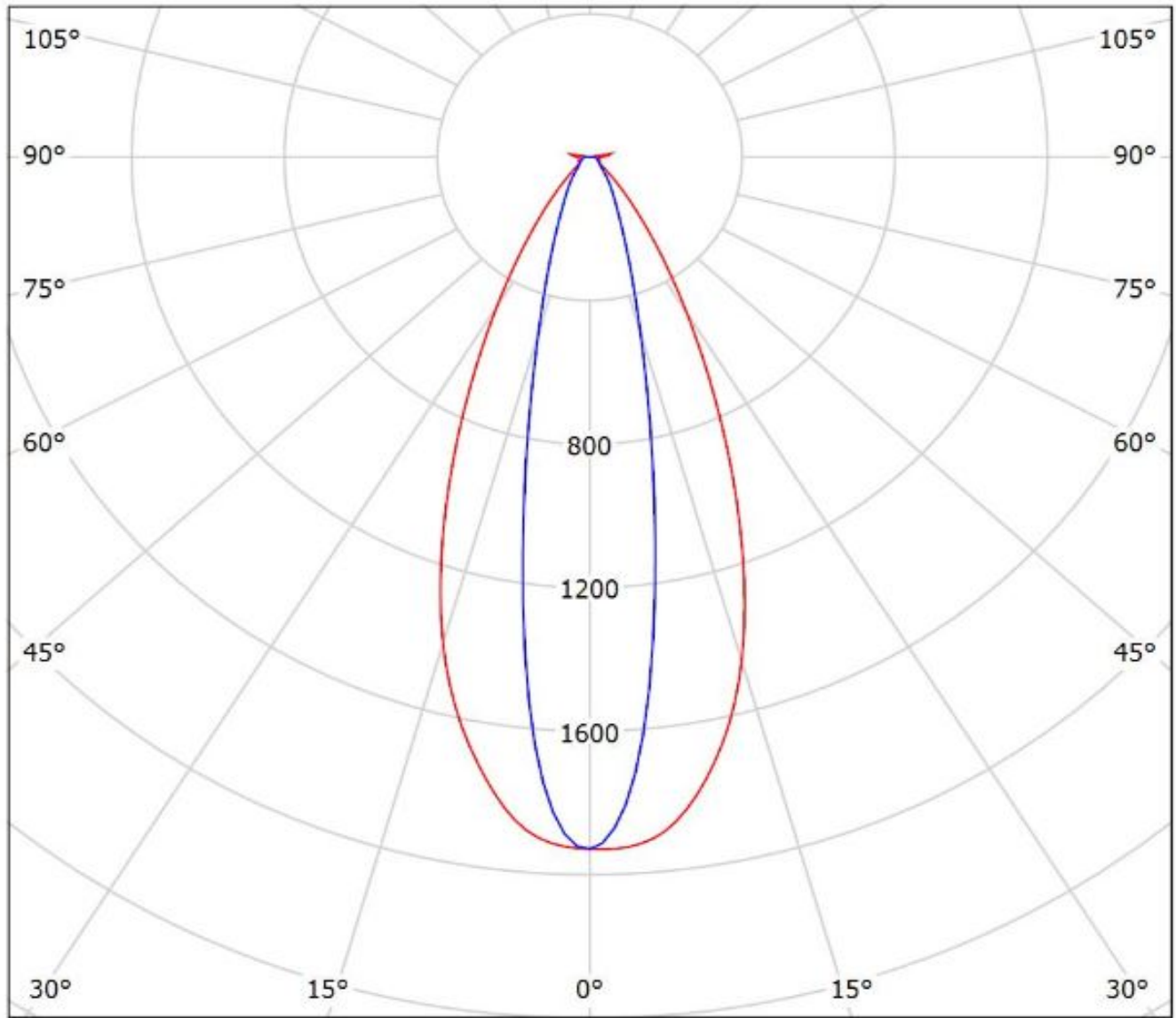
cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil CA13726_VERONICA-SQ-O_(XP-L2)

Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.868lm@250mA_P=0.717875W_I=0.25A

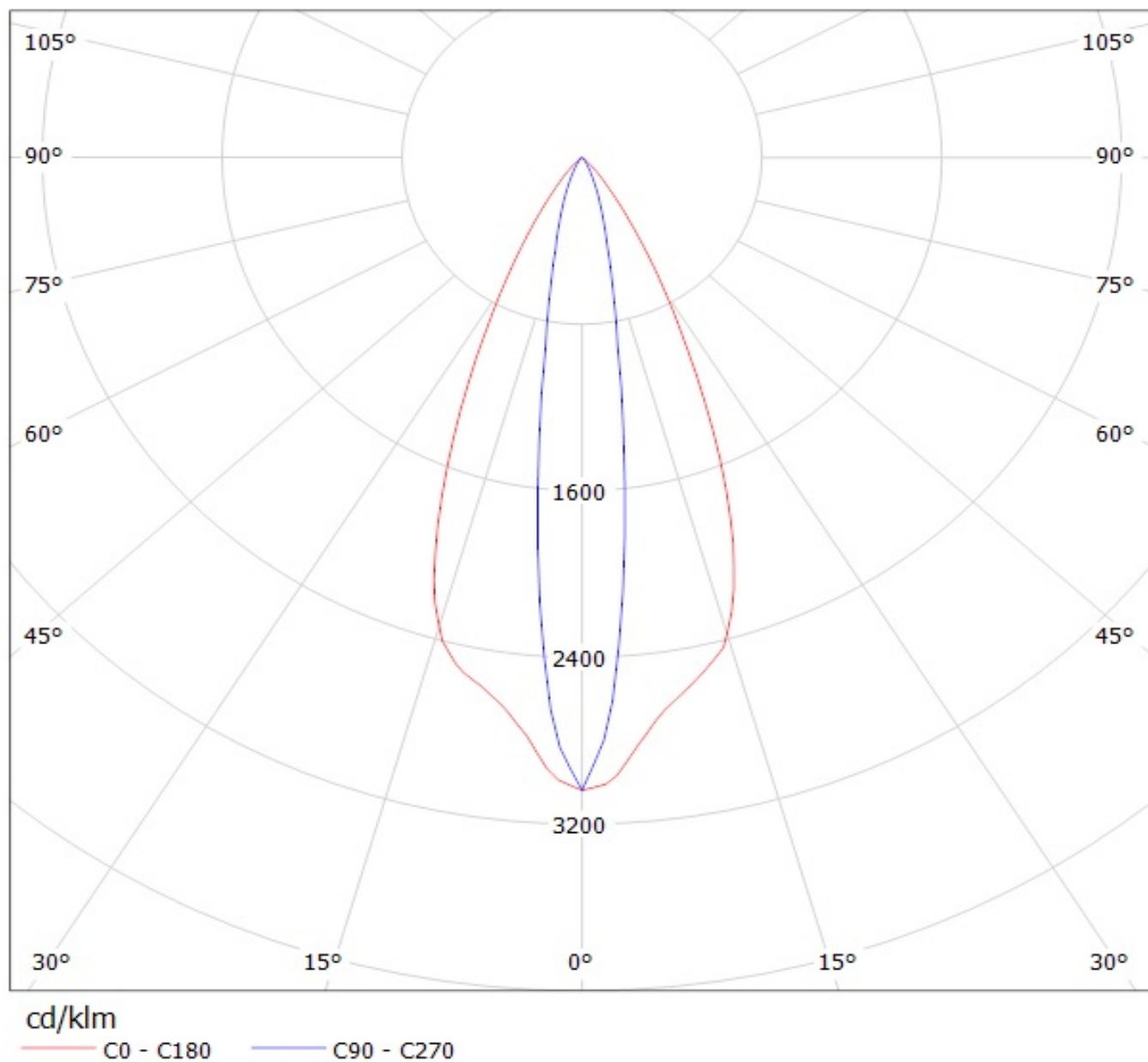


cd/klm

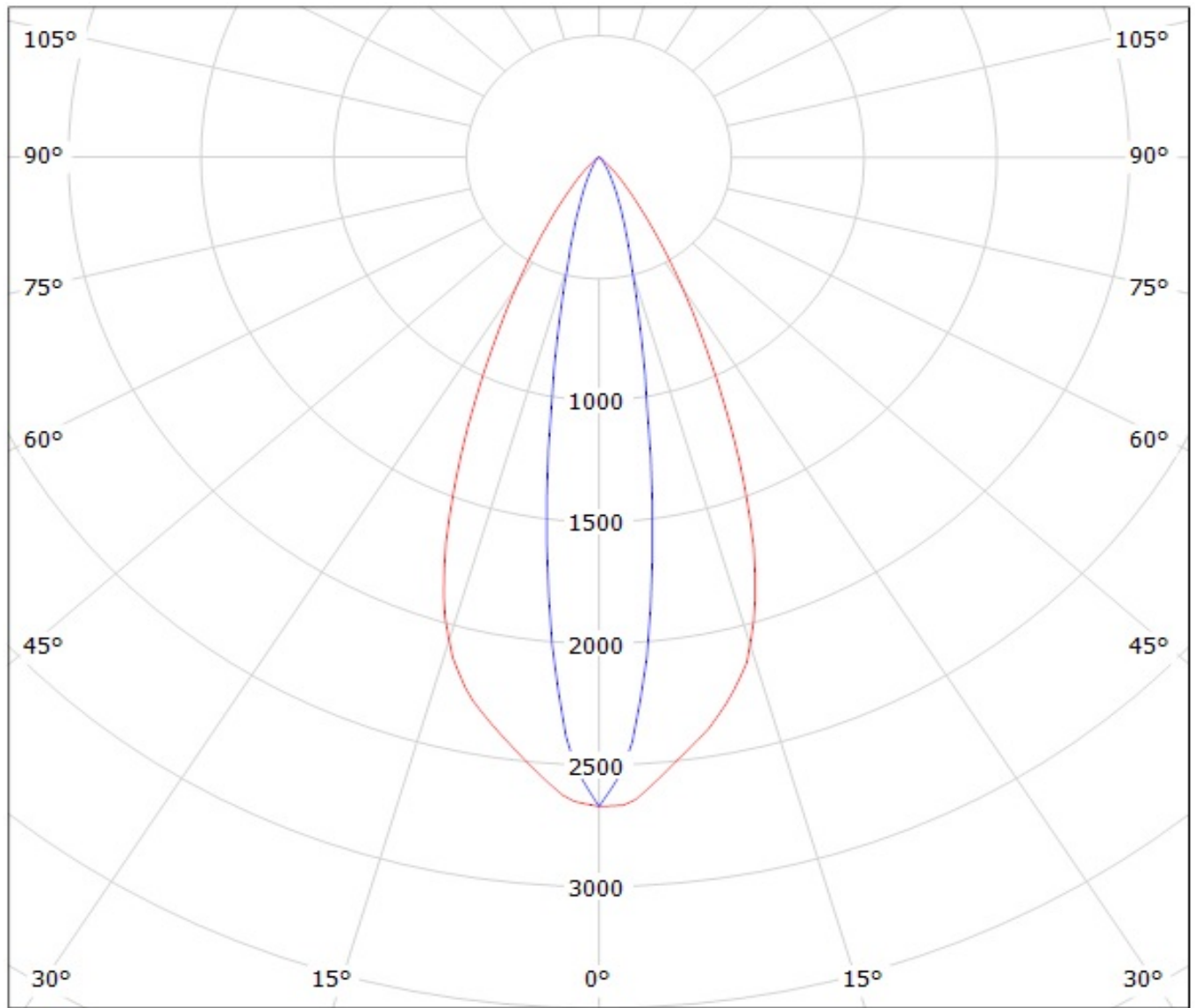
— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_Rebel) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon Rebel (LXM8-PW30) 61lm @ 250mA CCT=2900K P=0.7W I=250mA



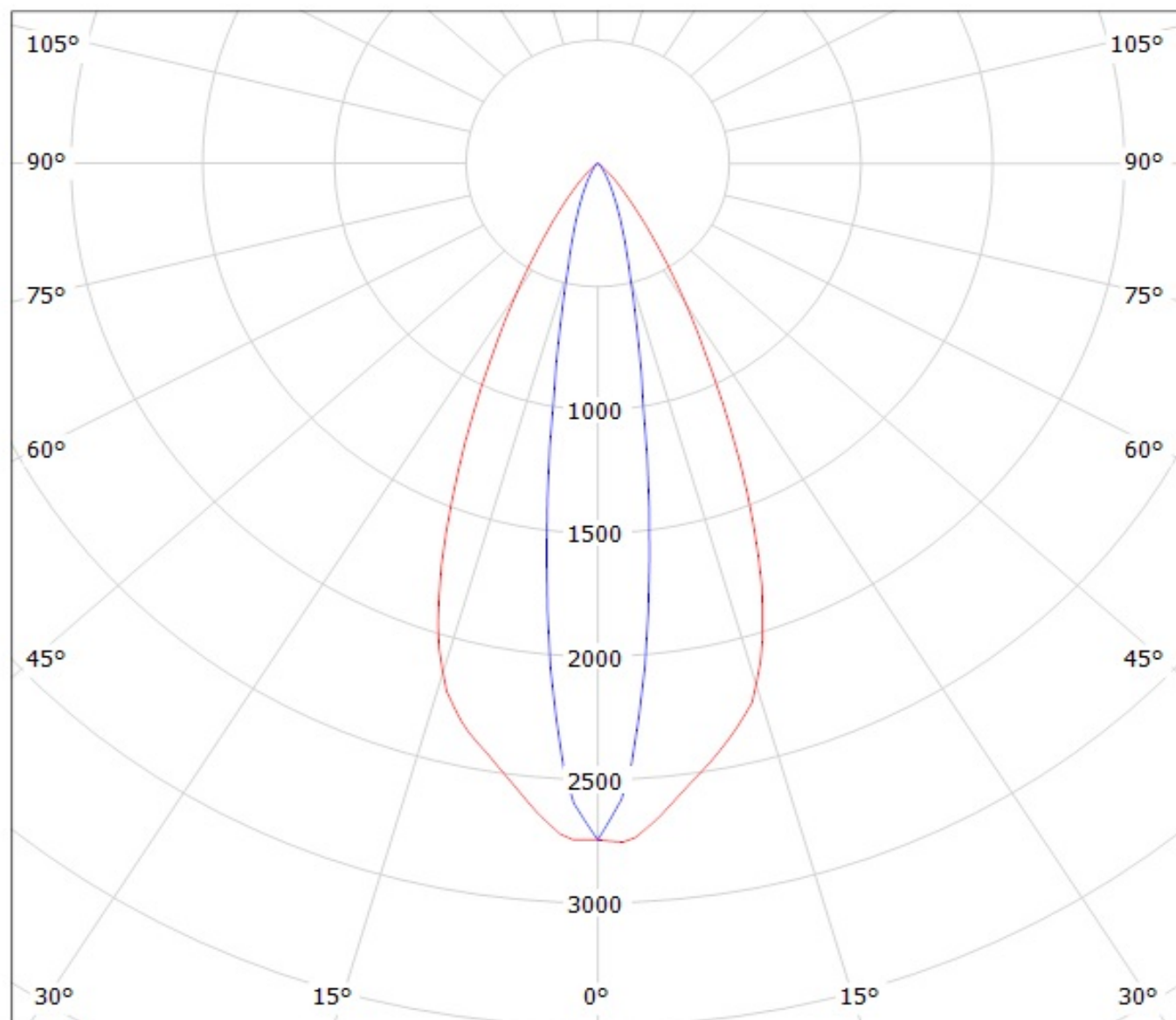
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_Rebel_ES) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon Rebel ES (91lm @ 250mA) CCT=4100K P=0.8W I=250mA



cd/klm

— C0 - C180 — C90 - C270

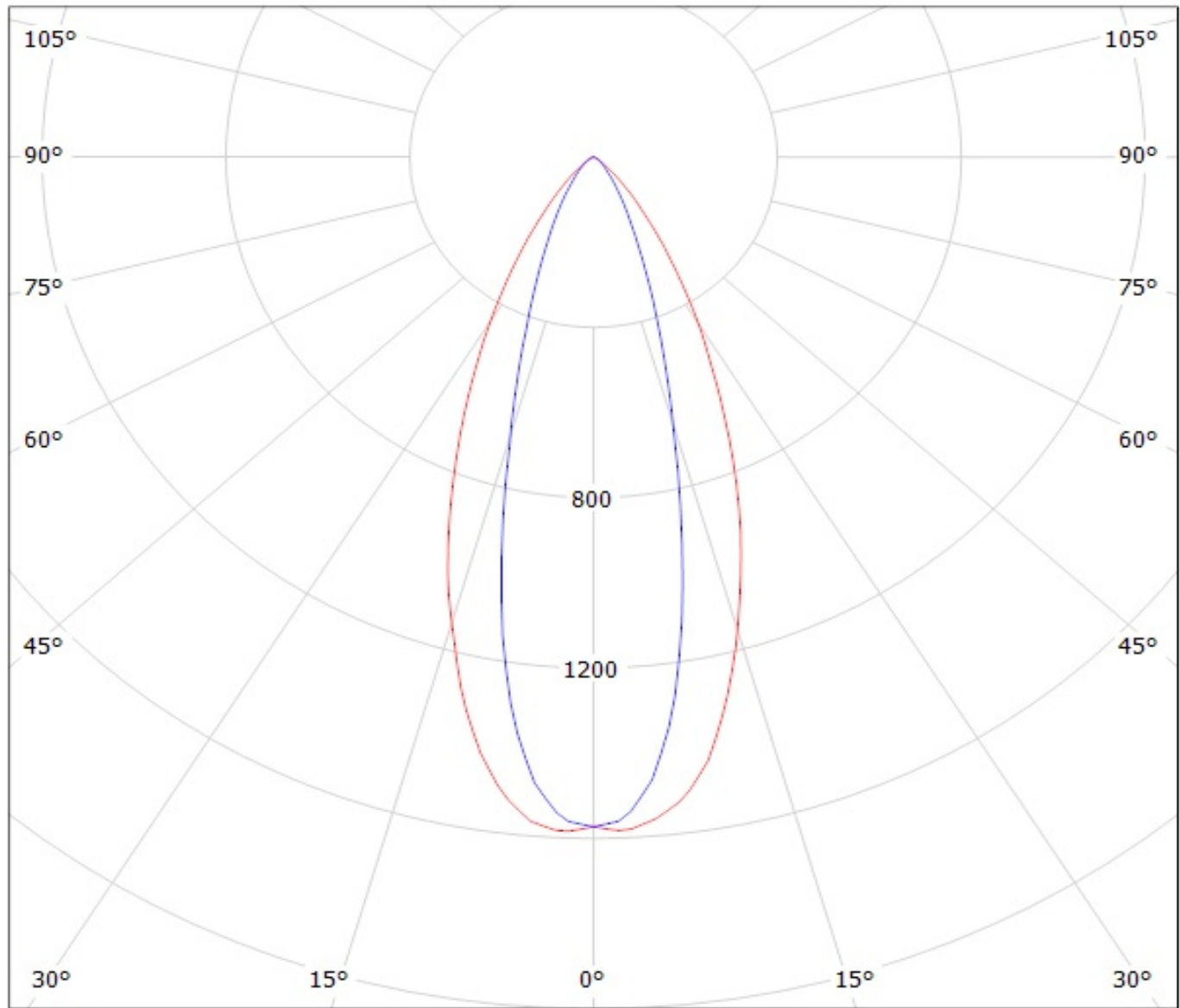
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_T) Efficiency=80%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 71.4lm @ 250mA CCT=3200K P=0.8W I=250mA



cd/klm

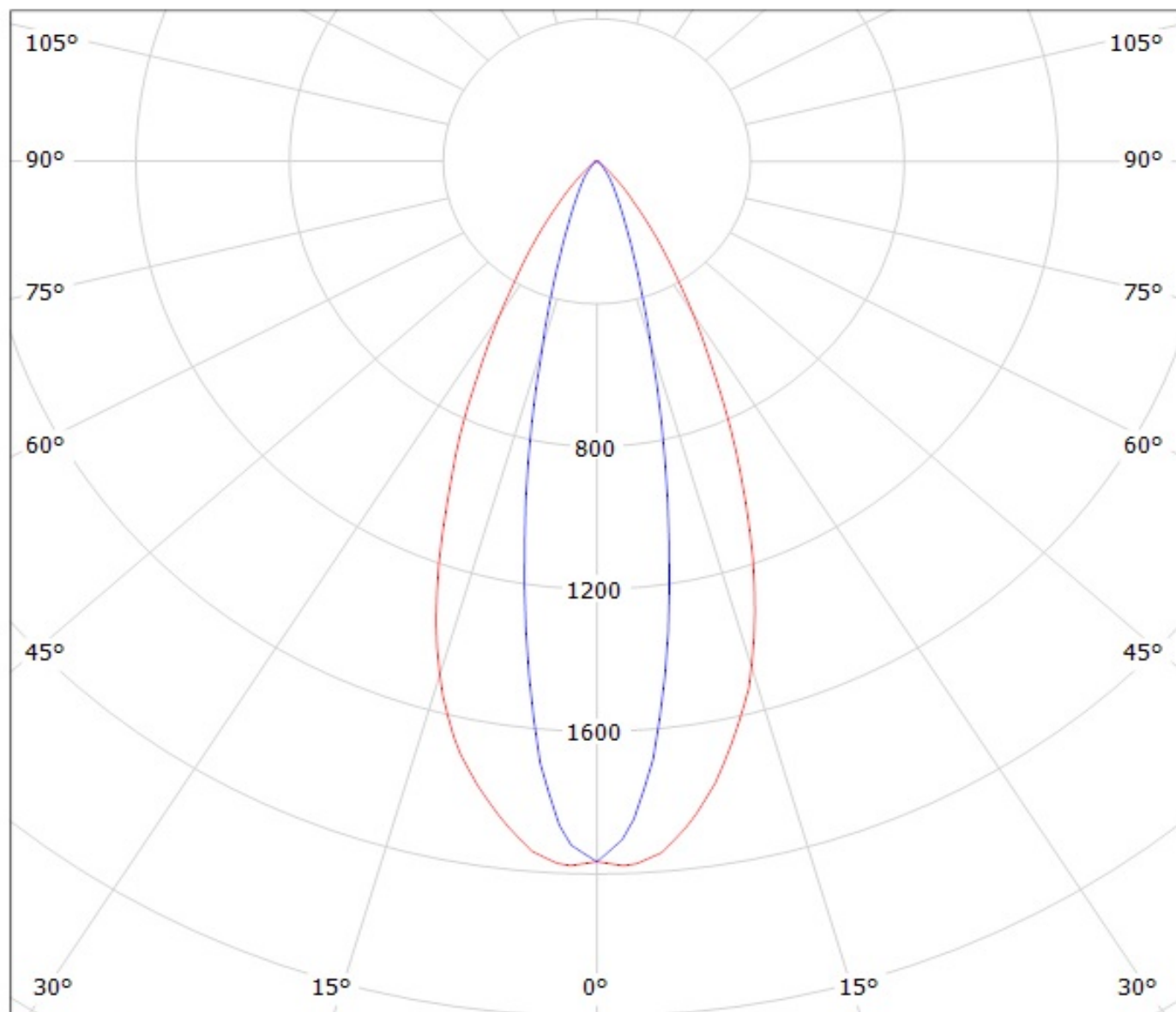
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_M) Efficiency=76%
Lamps: 1 x Philips Lumileds Luxeon M (LXR7-SW30) 354lm @ 250mA CCT=3100K P=2.8W I=250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Luxeon_MZ) Efficiency=73%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

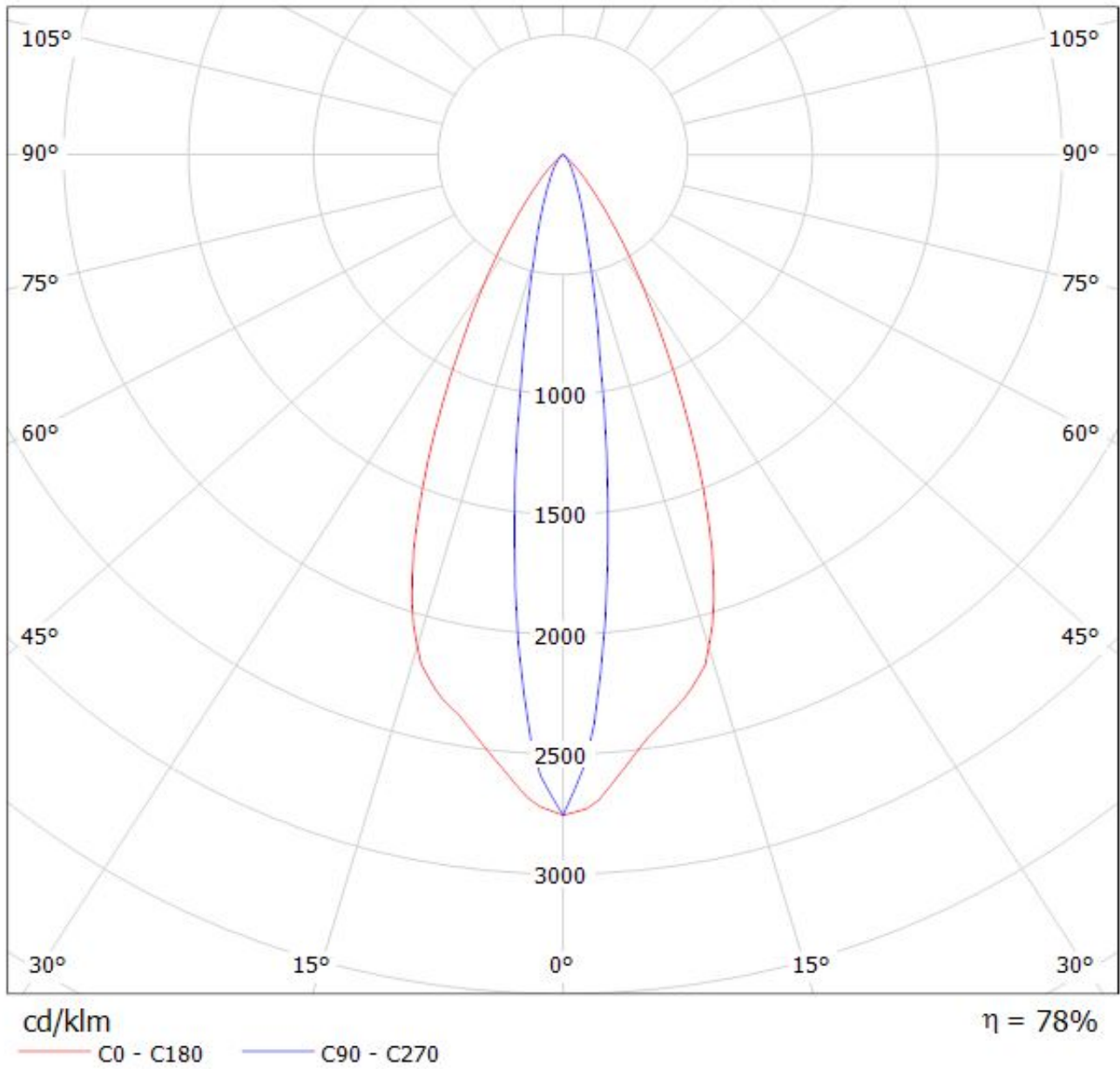


cd/klm

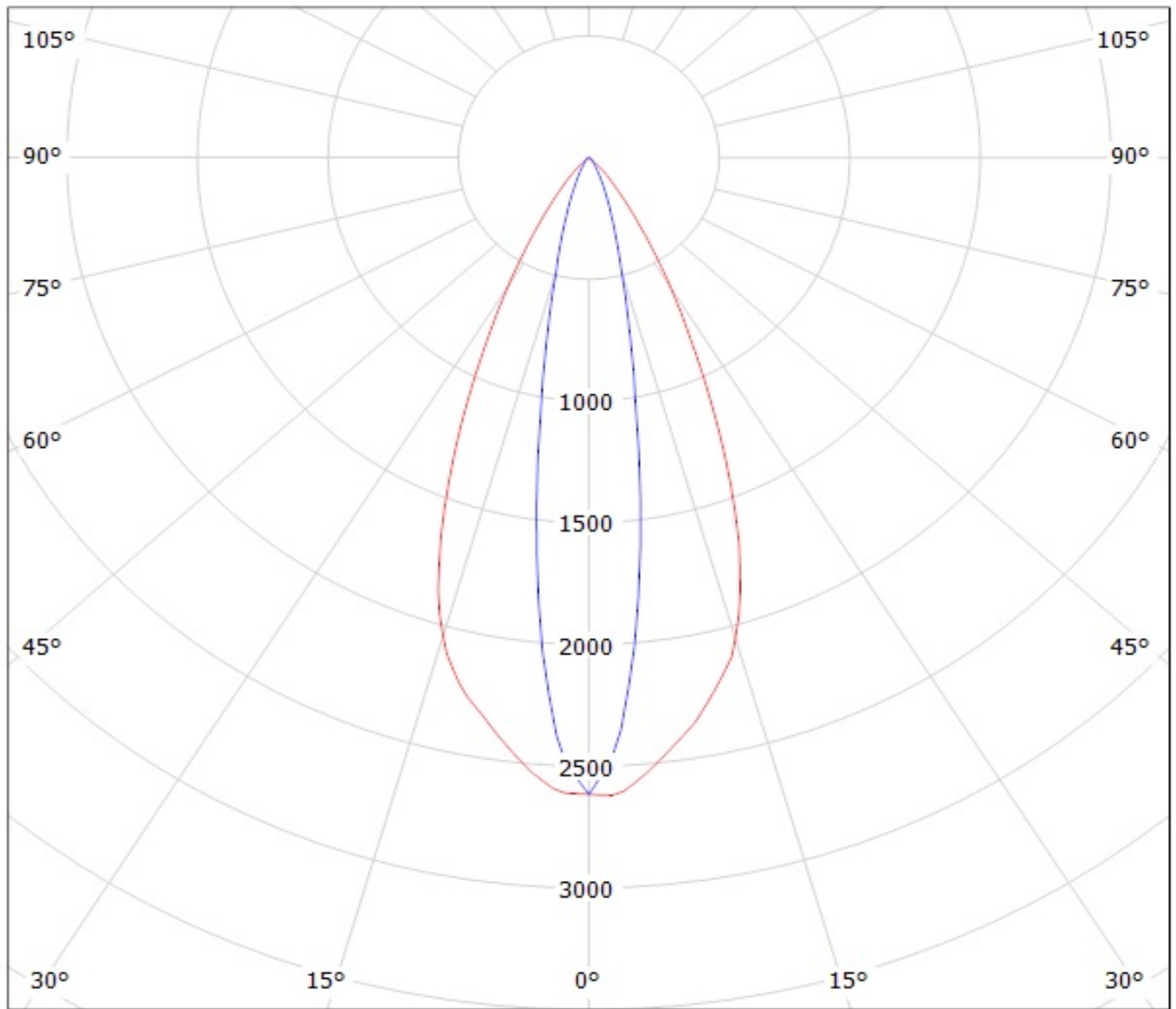
— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(Luxeon_TX) Efficiency=77%
Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73W I=250mA



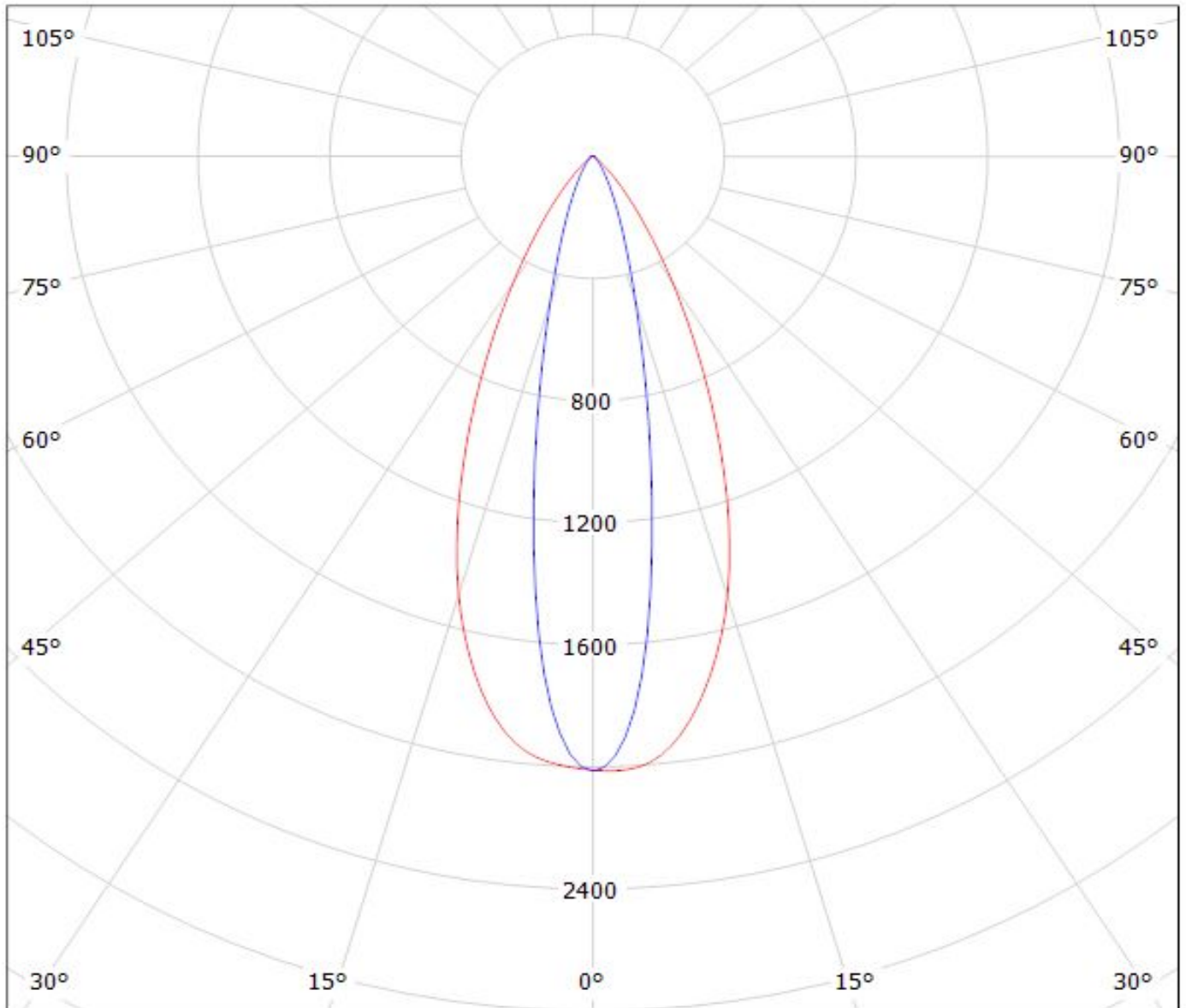
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(NVSxx19B) Efficiency=80%
Lamps: 1 x Nichia NVSxx19B (NVSL219BT) 106lm @ 250mA CCT=4300K P=0.7W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA13726_VERONICA-SQ-O_(NWSL229AE)
Lamps: 1 x Nichia_NWSL229AE_120.54lm@250mA_P=0.7128W_I=0.250A

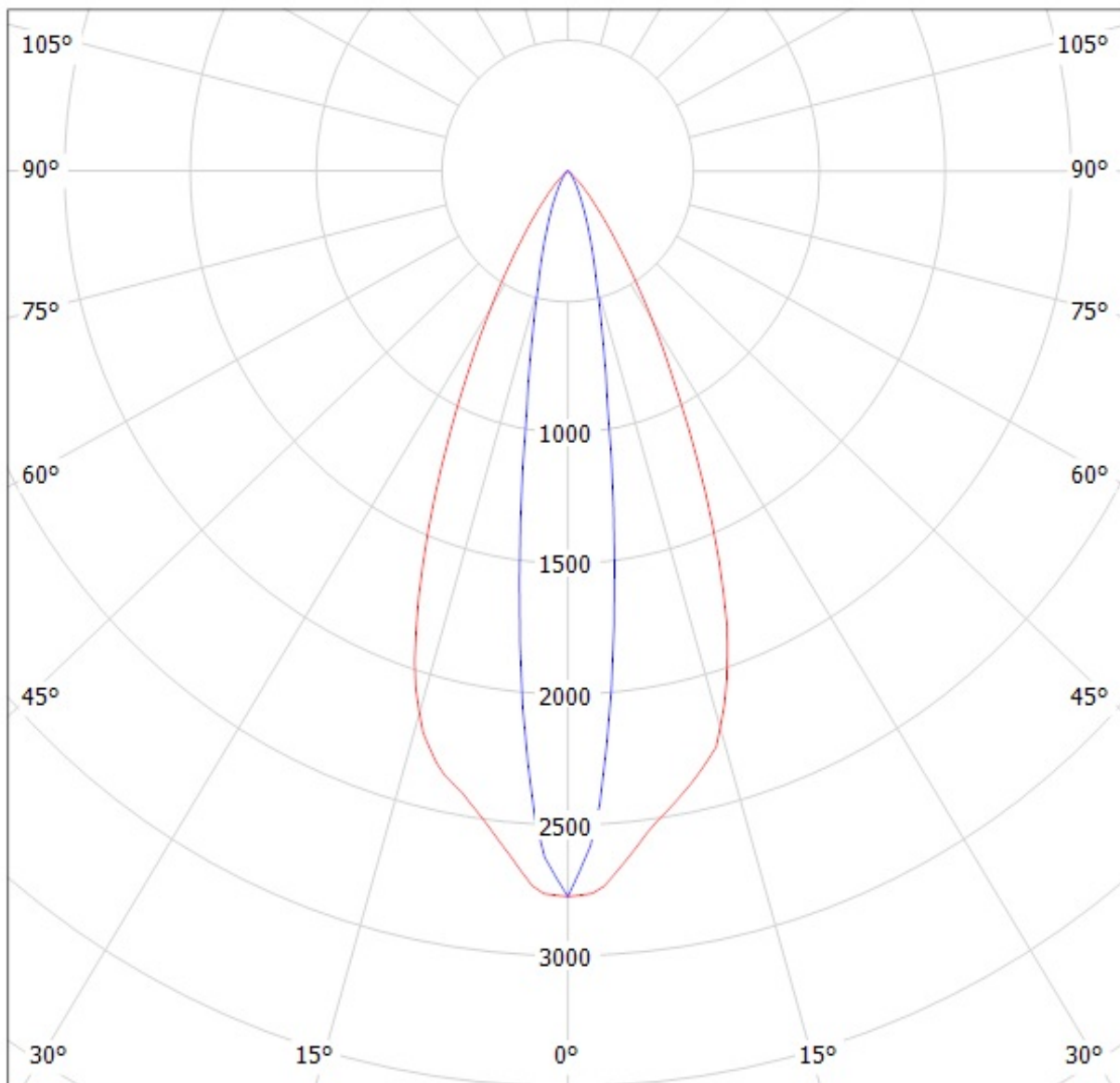


cd/klm

— C0 - C180 — C90 - C270

$\eta = 74\%$

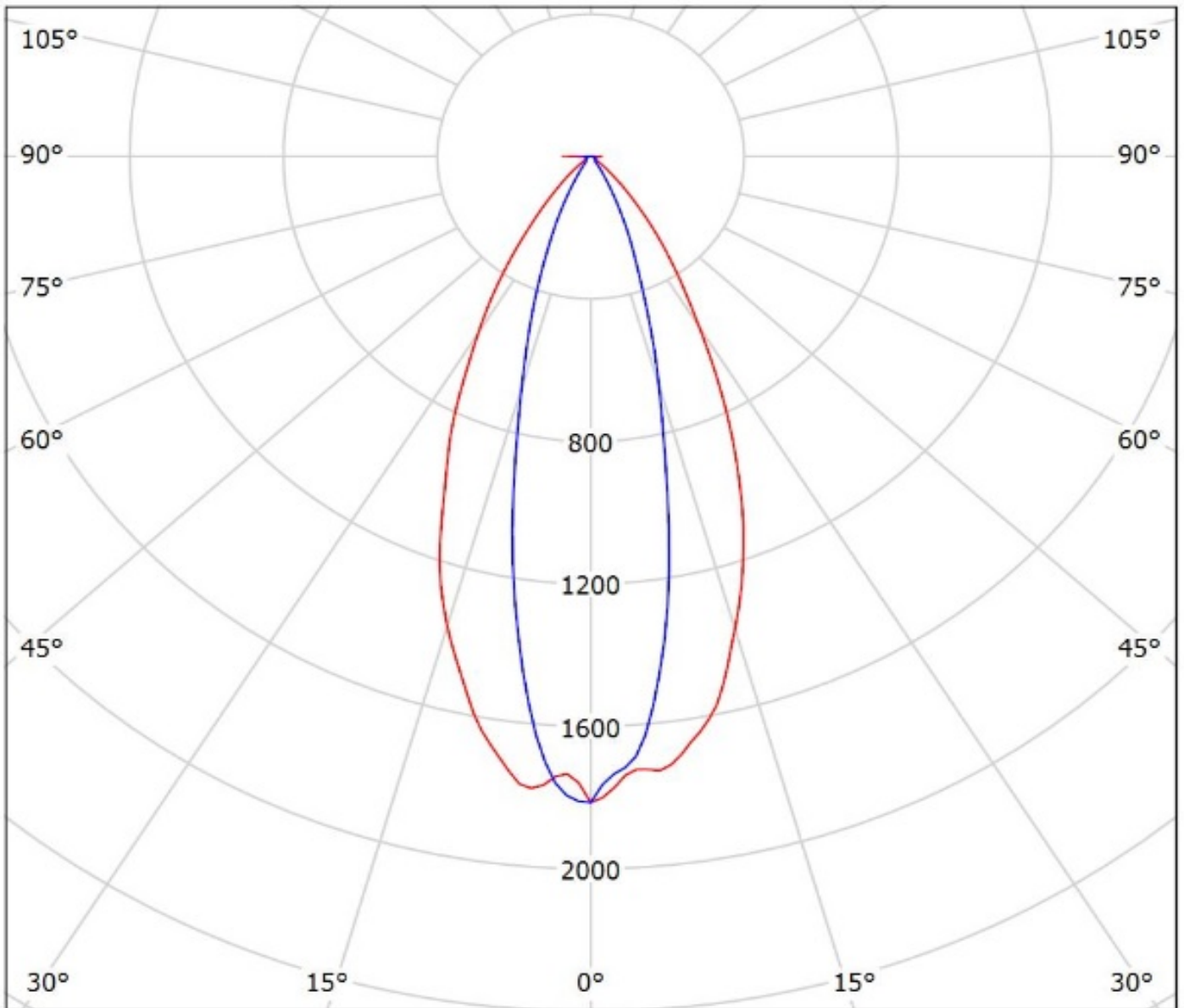
Luminaire: LEDil Oy CA13726_VERONICA-SQ-O_(Oslon_Square_EC) Efficiency=79%
Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 79lm @ 250mA CCT=3200K P=0.8W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(Duris_P10)_SIMULATED
Lamps: 1 x Osram Duris P10

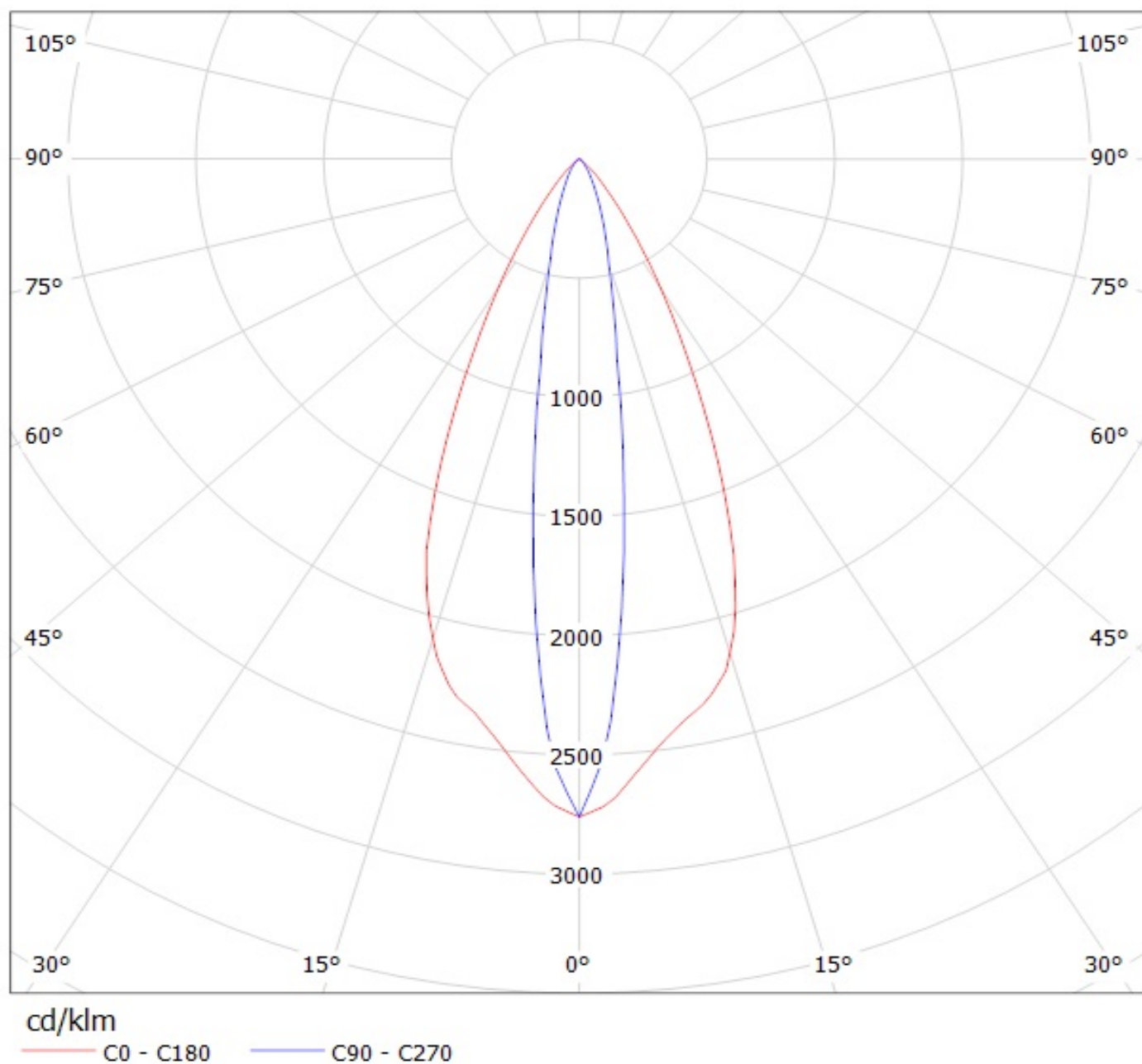


cd/klm

— C0 - C180 — C90 - C270

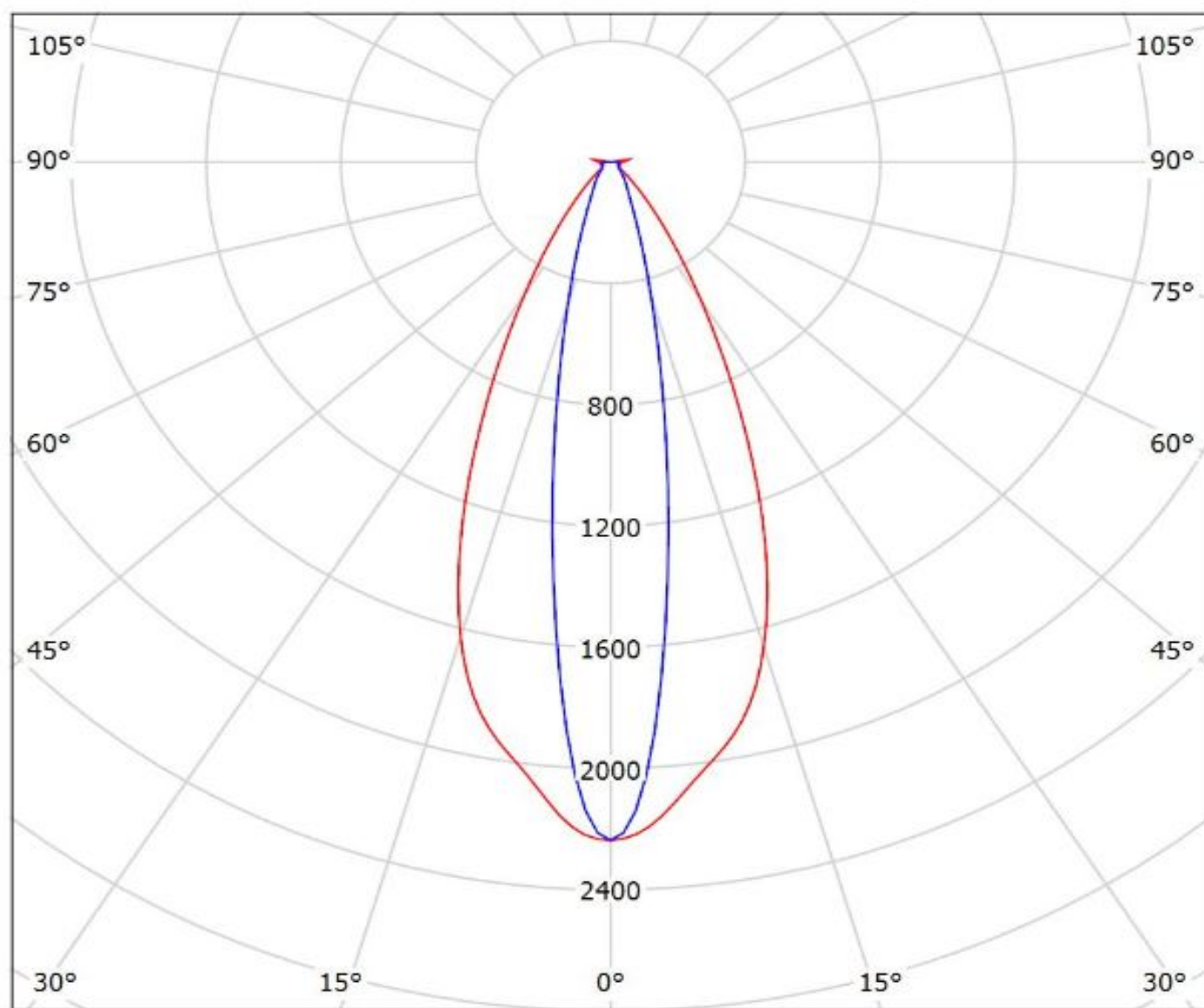
$\eta = 84\%$

Luminaire: Ledil Oy CA13726_VERONICA-SQ-O_(LH351Z) Efficiency=78%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: LEDiL Oy CA13726_VERONICA-SQ-O_(Z8Y22plus)

Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

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.