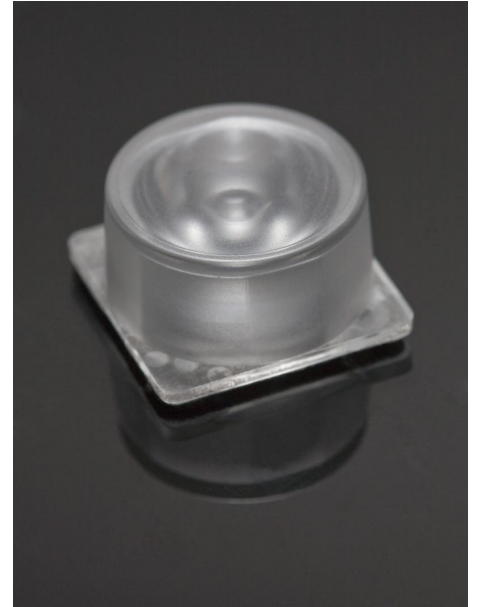


DETAILS

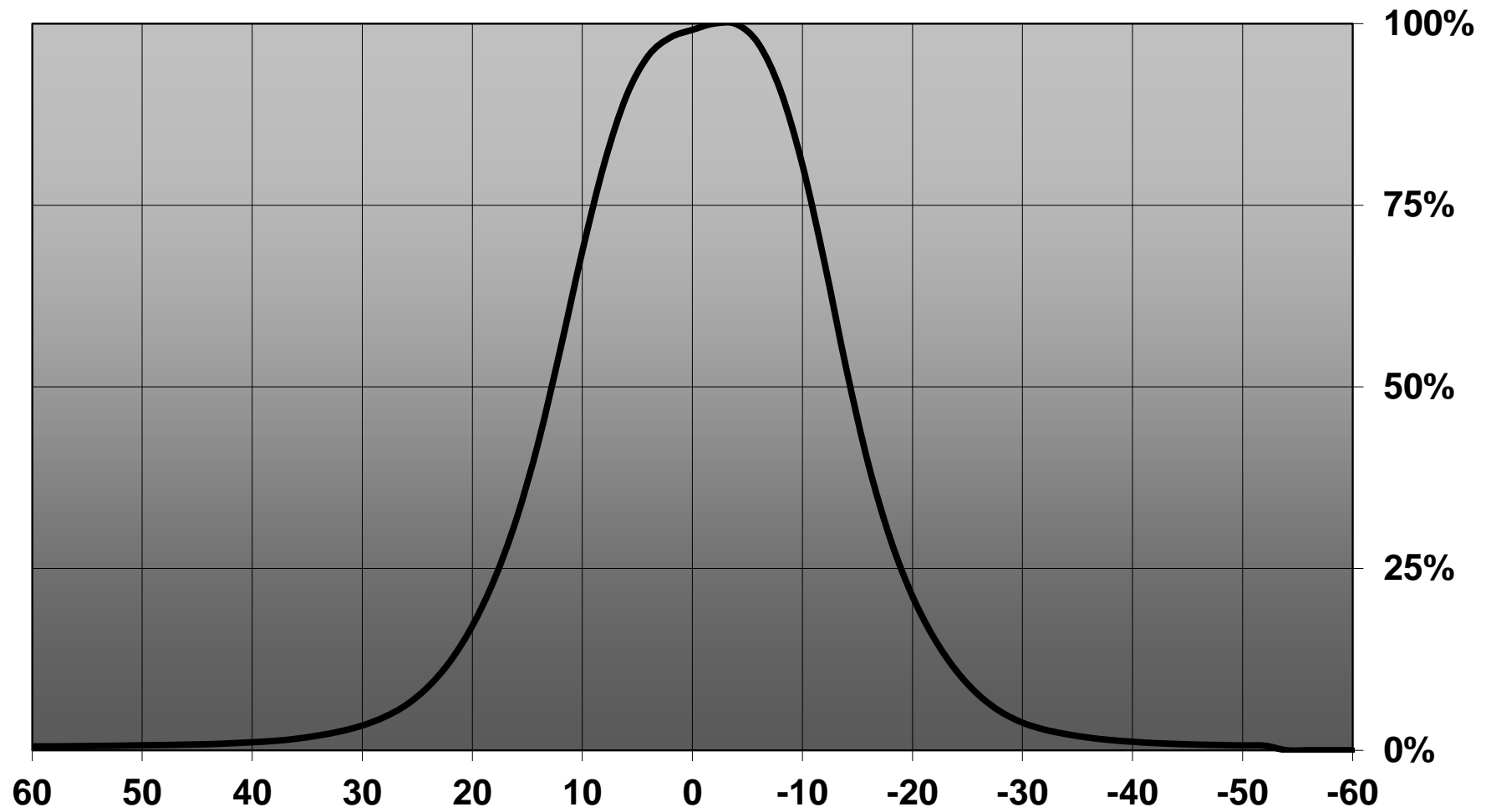
Product Number	CA14461_VERONICA-SQ-M
Family	Veronica
Type	Assembly
Color	clear
Diameter	22.5x22.5 mm
Height	12.2 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	pin, tape
Status	ready
ROHS Compliant	Yes
Date Updated	21/05/2015



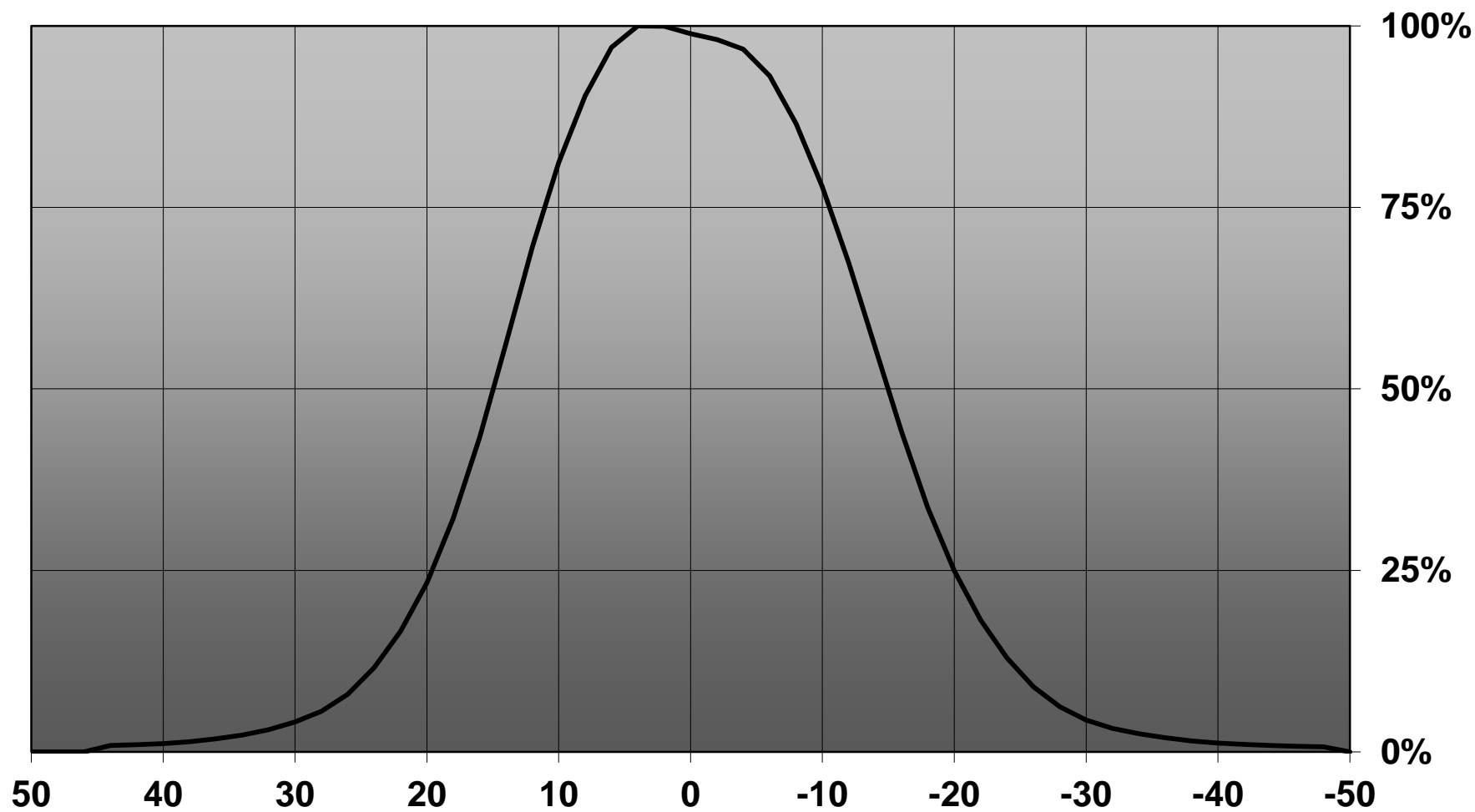
OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
NCSxx19B	23 deg	Medium	92 %	4.100	-
XP-E2	25 deg	Medium	94 %	4.200	-
LUXEON Rebel	26 deg	Medium	92 %	3.600	-
XT-E	27 deg	Medium	87 %	3.500	-
LUXEON Rebel ES	27 deg	Medium	91 %	3.500	-
XP-E	28 deg	Medium	93 %	3.600	-
Oslo Square EC	28 deg	Medium	91 %	3.400	-
XB-H	29 deg	Medium	91 %	3.000	-
Oslo Square PC	29 deg	Medium	91 %	3.000	-
LUXEON T	30 deg	Medium	93 %	3.000	-
LUXEON TX	30 deg	Medium	92 %	3.200	-
NVSxx19B/NVSxx19C	30 deg	Medium	91 %	2.900	-
XP-G2	30 deg	Medium	89 %	3.060	-
LUXEON A	30 deg	Medium	91 %	3.000	-
LUXEON R	30 deg	Medium	91 %	3.000	-
LUXEON MZ	32 deg	Medium	93 %	2.700	-
H35C1 (LEMWA33)	33 deg	Medium	92 %	2.700	-
XM-L	37 deg	Medium	92 %	2.100	-
XM-L2	38 deg	Medium	91 %	2.100	-
XP-L	40 deg	Medium	91 %	2.000	-

Relative intensity of CA14461_VERONICA-SQ-M_(XT-E)



Relative intensity of CA14461_VERONICA-SQ-M_(XP-G2)



D

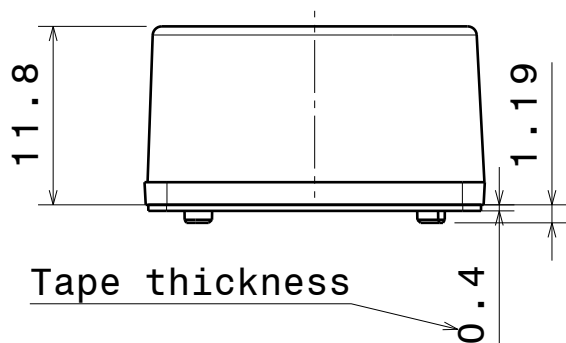
C

B

A

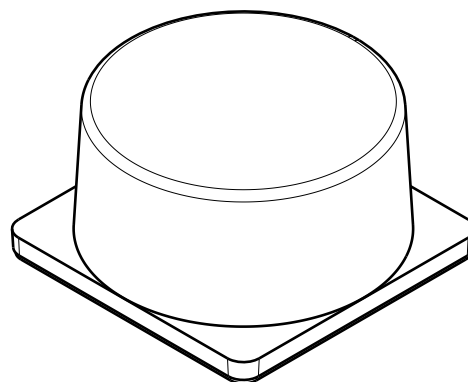
4

4



Tape thickness

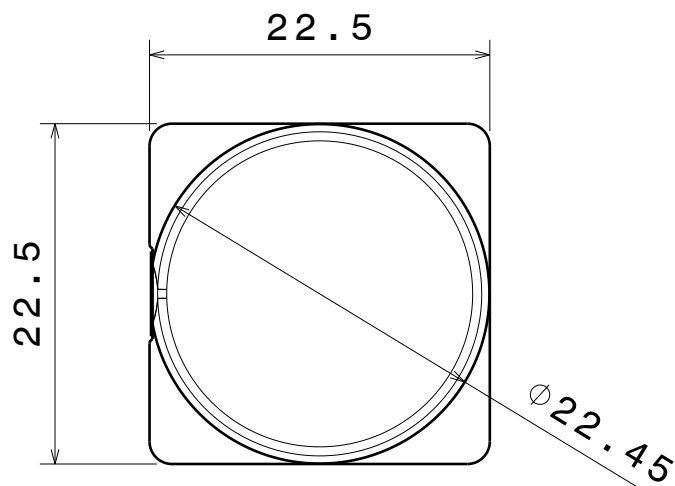
Front view



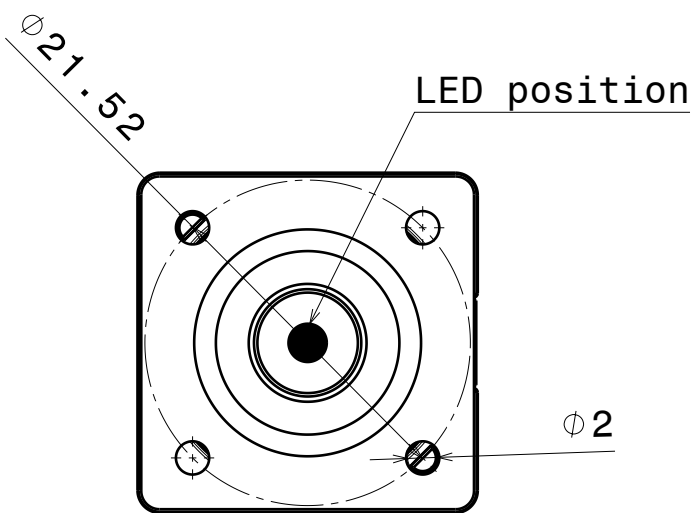
Isometric view

3

3



Top view



Bottom view

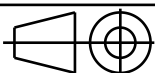
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14448	VERONICA-SQ-M	PMMA	clear
2	C13729	VERONICA-SQ-TAPE	PU	black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: 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

CA14461_VERONICA-SQ-M

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

SIZE

A4

PART NUMBER

CA14461

SCALE

2:1

WEIGHT

3,64 g

SHEET

1/1

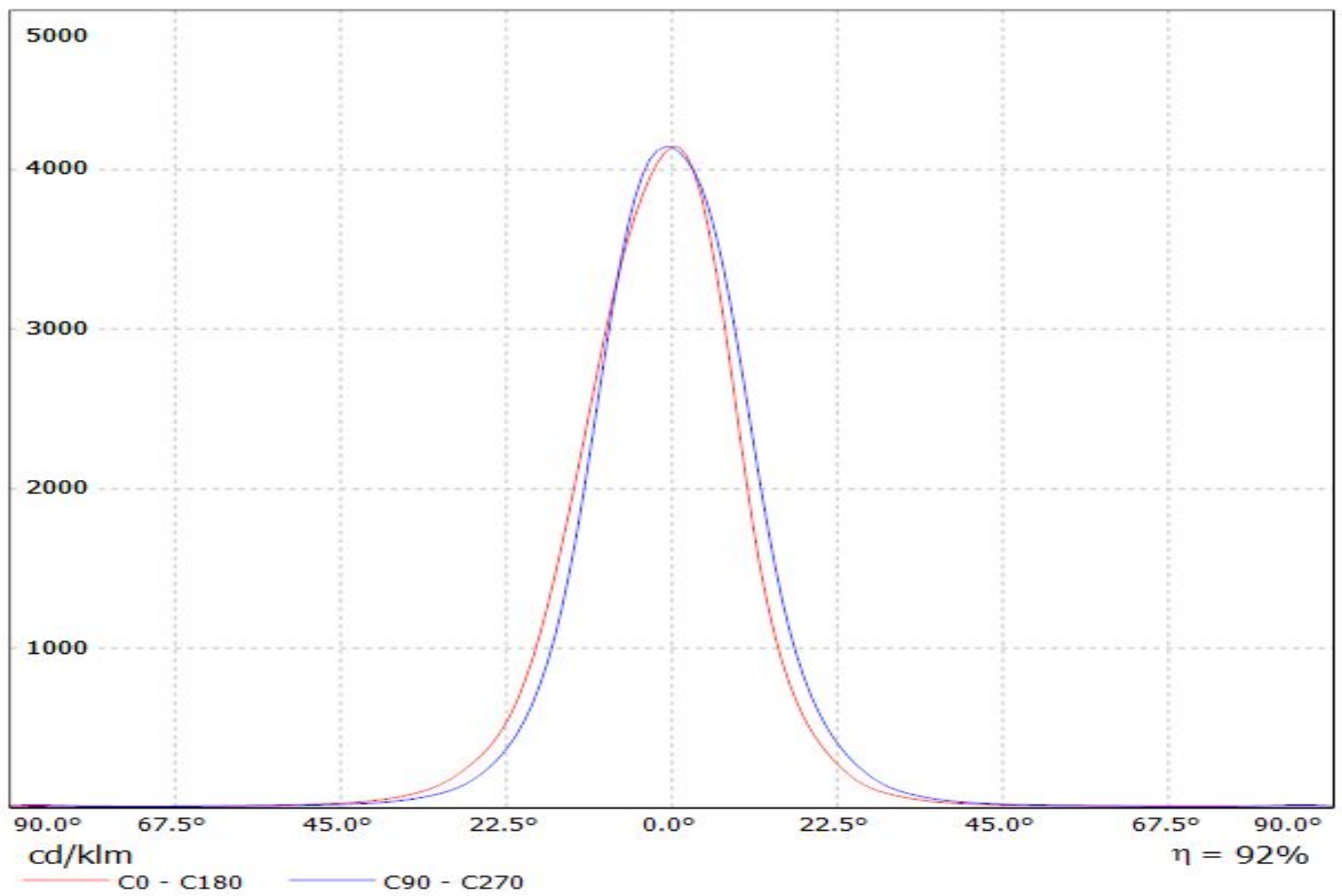
D

A

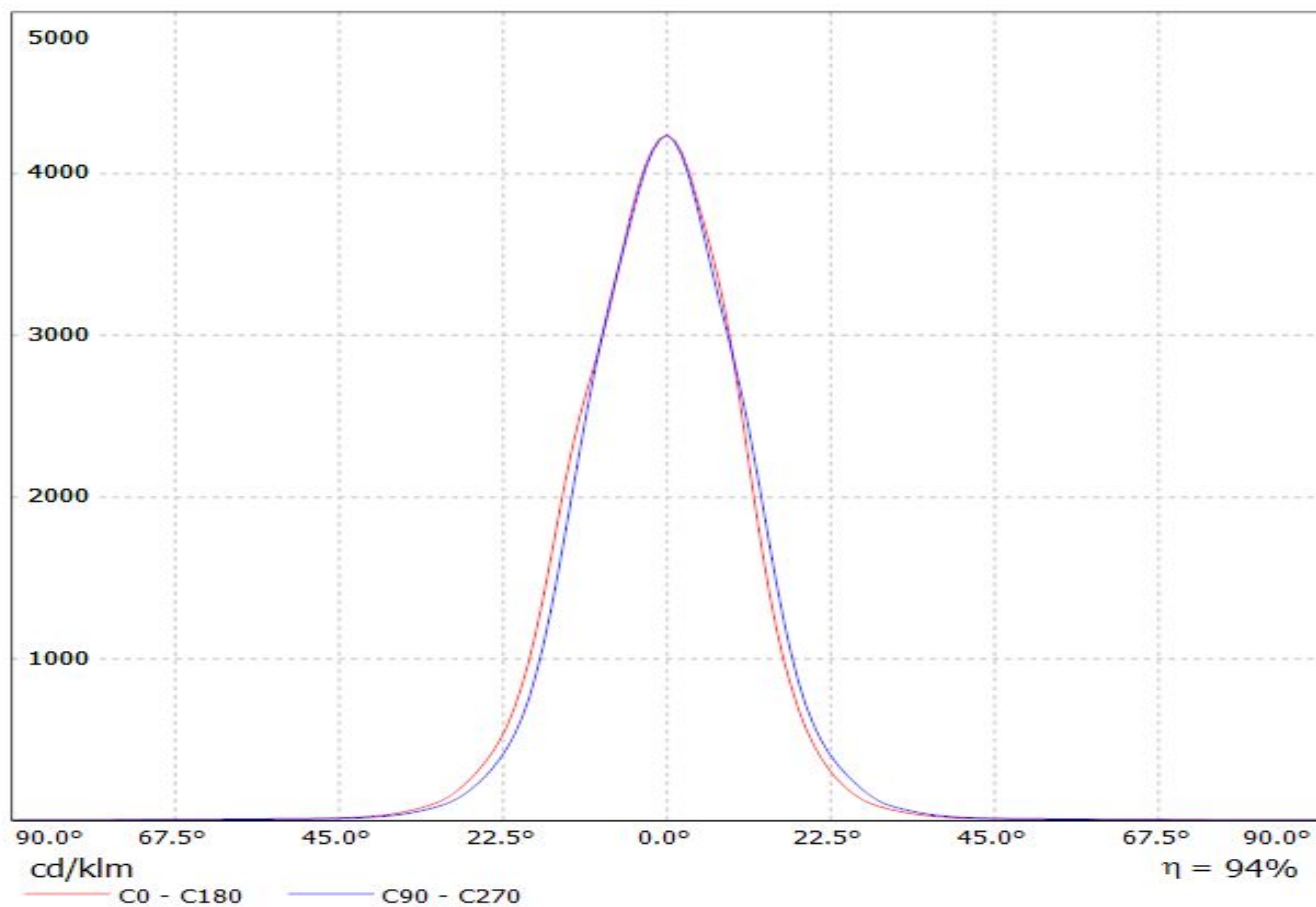
1

1

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Nichia_NCSxx19B)
Lamps: 1 x Nichia_NCSxx19B_90.3281lm@250mA_P=0.795931W_I=250mA

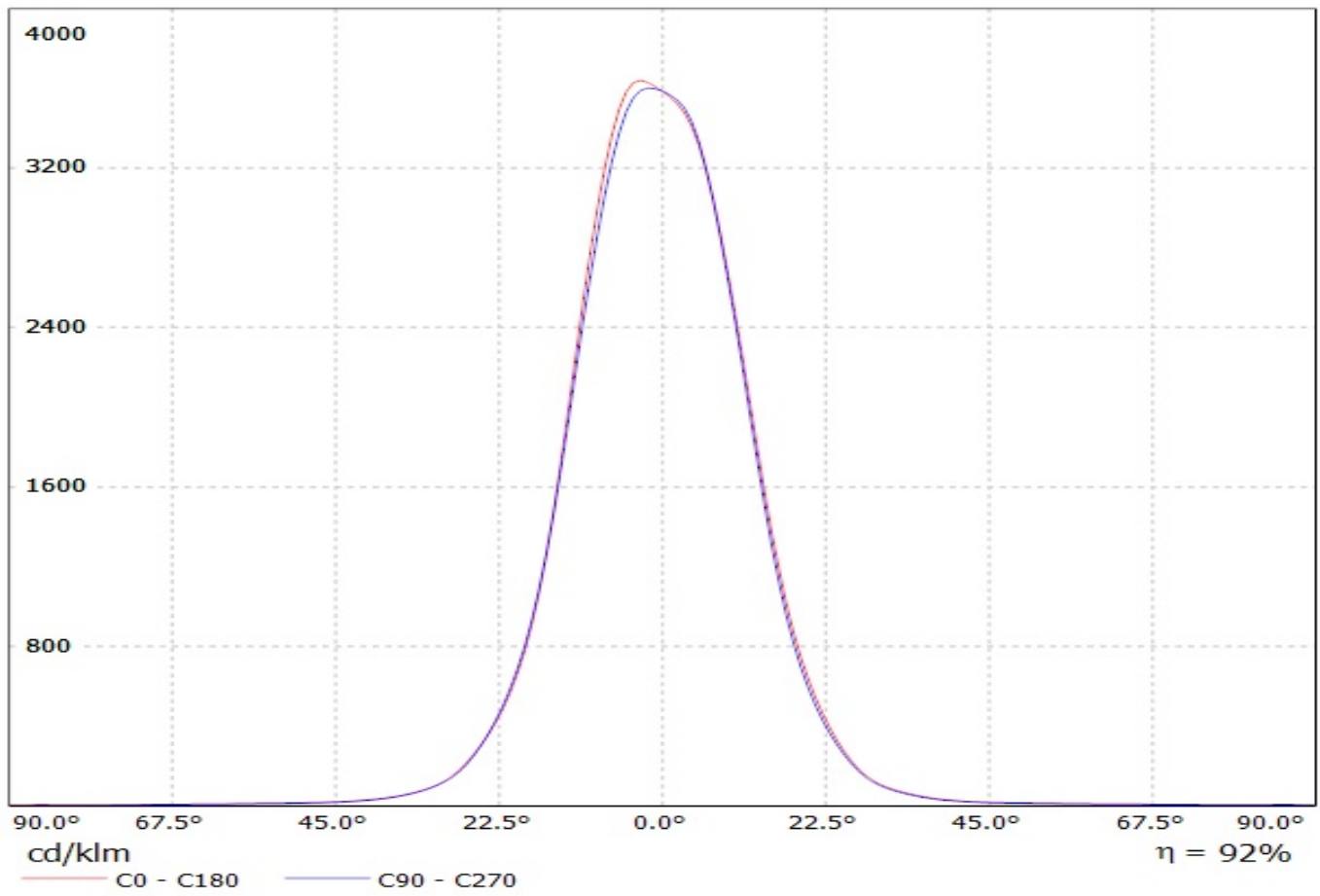


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Cree_XP-E2)
Lamps: 1 x Cree_XP-E2_79.5831lm@250mA_P=0.754073W_I=250mA



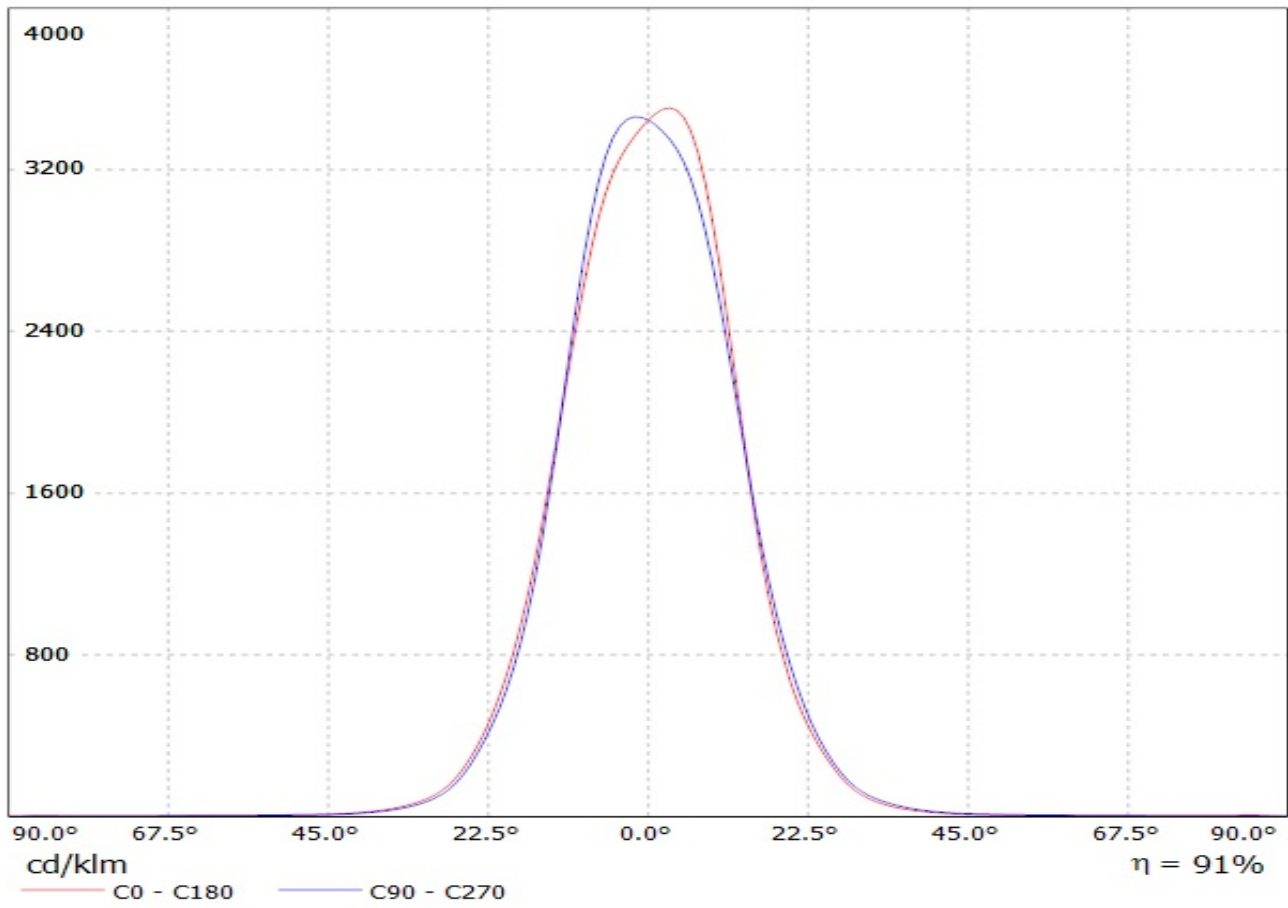
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_Rebel)

Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_(LXM8-PW30)_61.1293lm@250mA_P=0.728758W_I=0.2499A



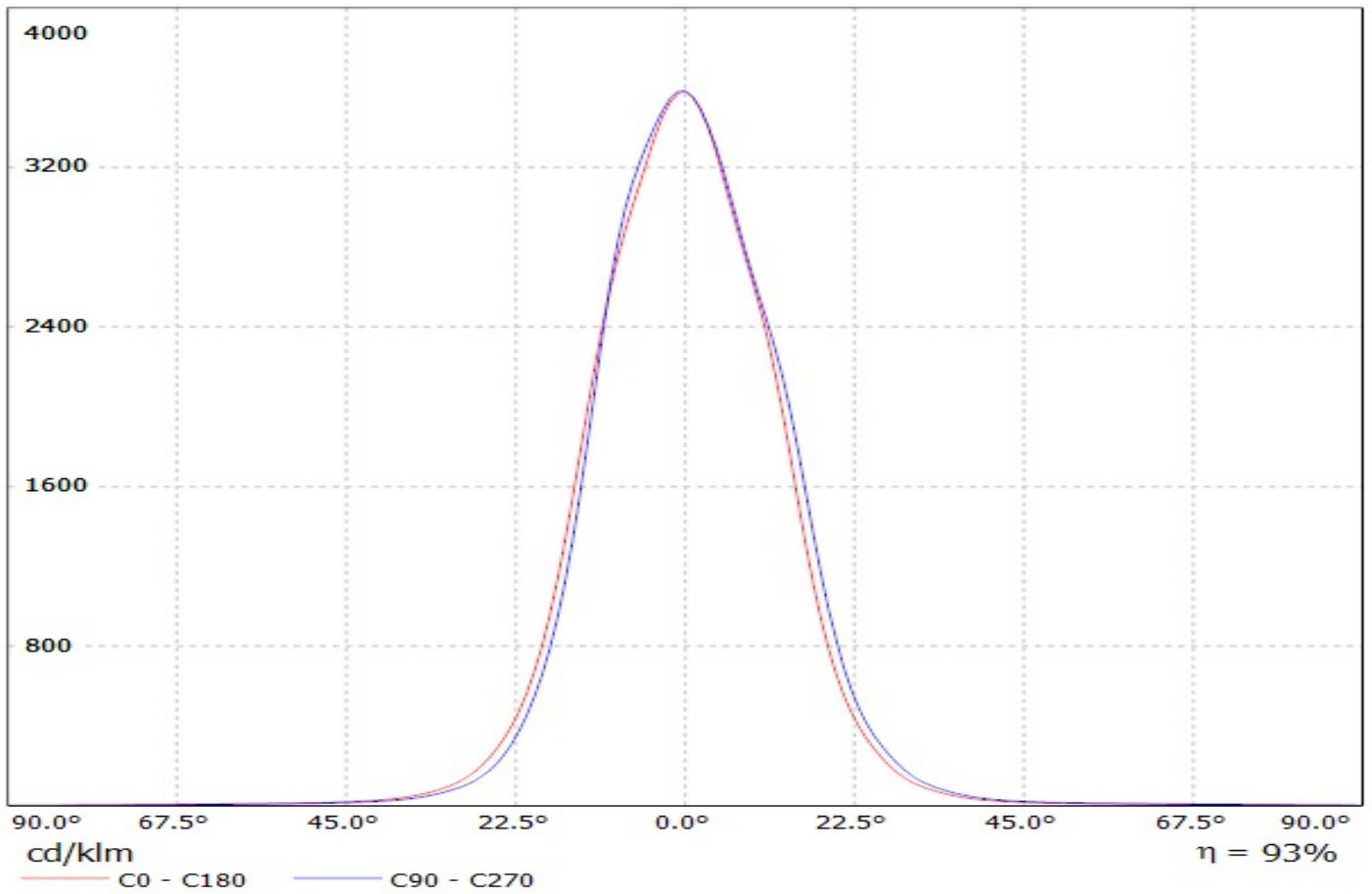
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_Rebel_ES)

Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_ES_(LXML-PWC2)_89.4472lm@250mA_P=0.746101W_I=0.2499A



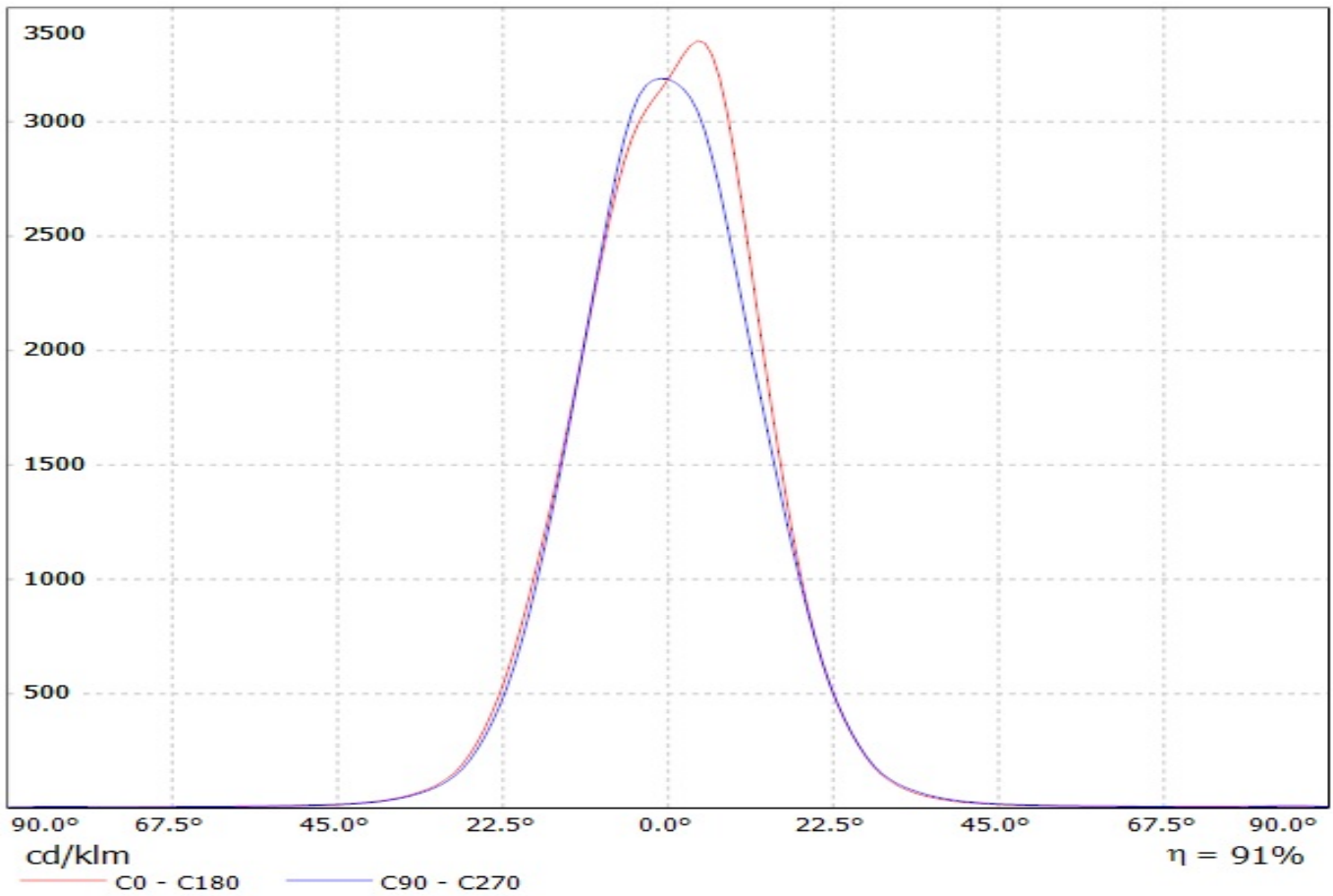
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XP-E)

Lamps: 1 x Cree_XP-E_(XPEWHT-L1-3C0-Q5-0-06)_78.0735lm@250mA_P=0.803378W_I=0.2499A



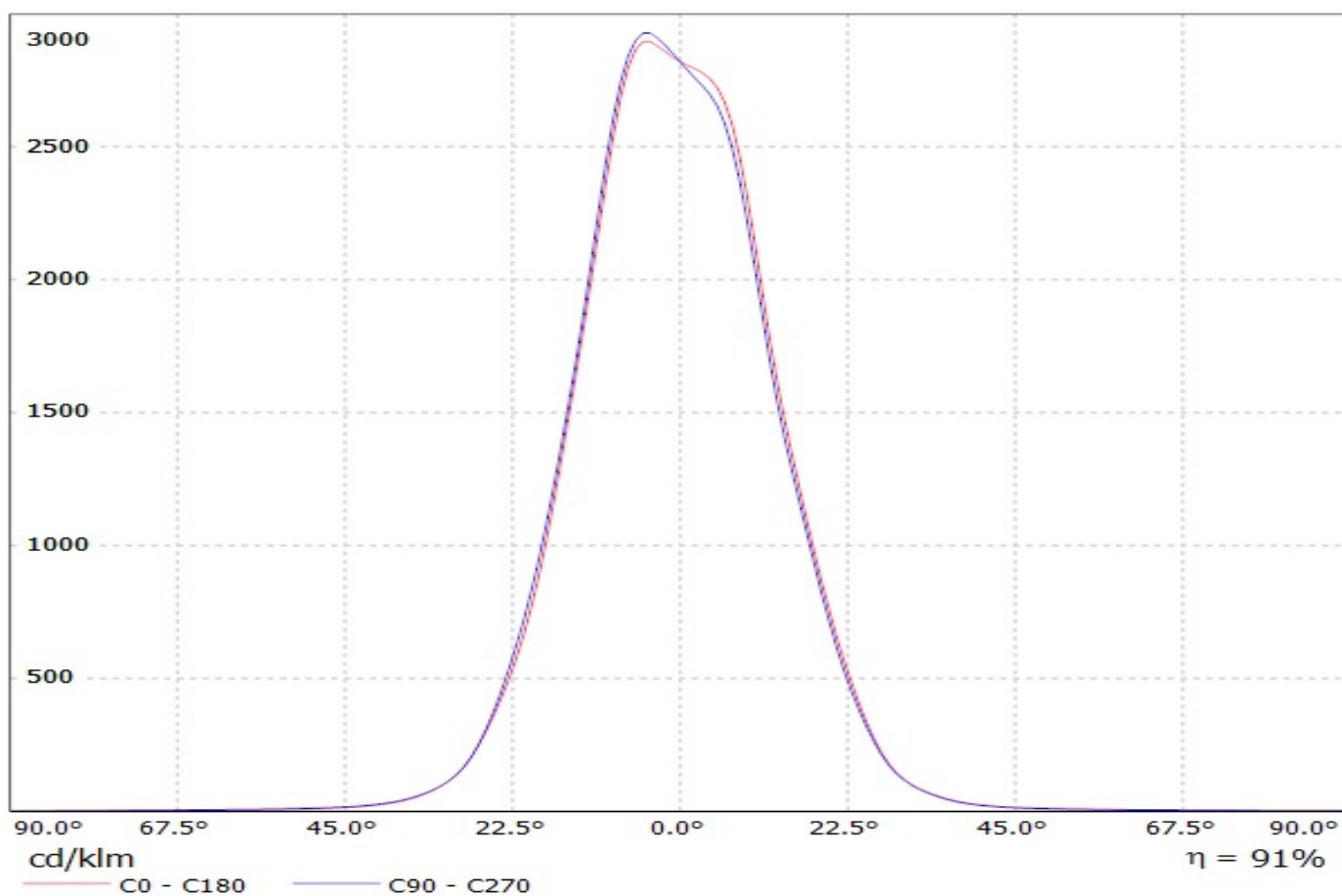
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Oslon_Square_EC)

Lamps: 1 x Osram_Oslon_Square_EC_(GW_CSSRM1.EC)_85.3477lm@250mA_P=0.738904W_I=0.2499A



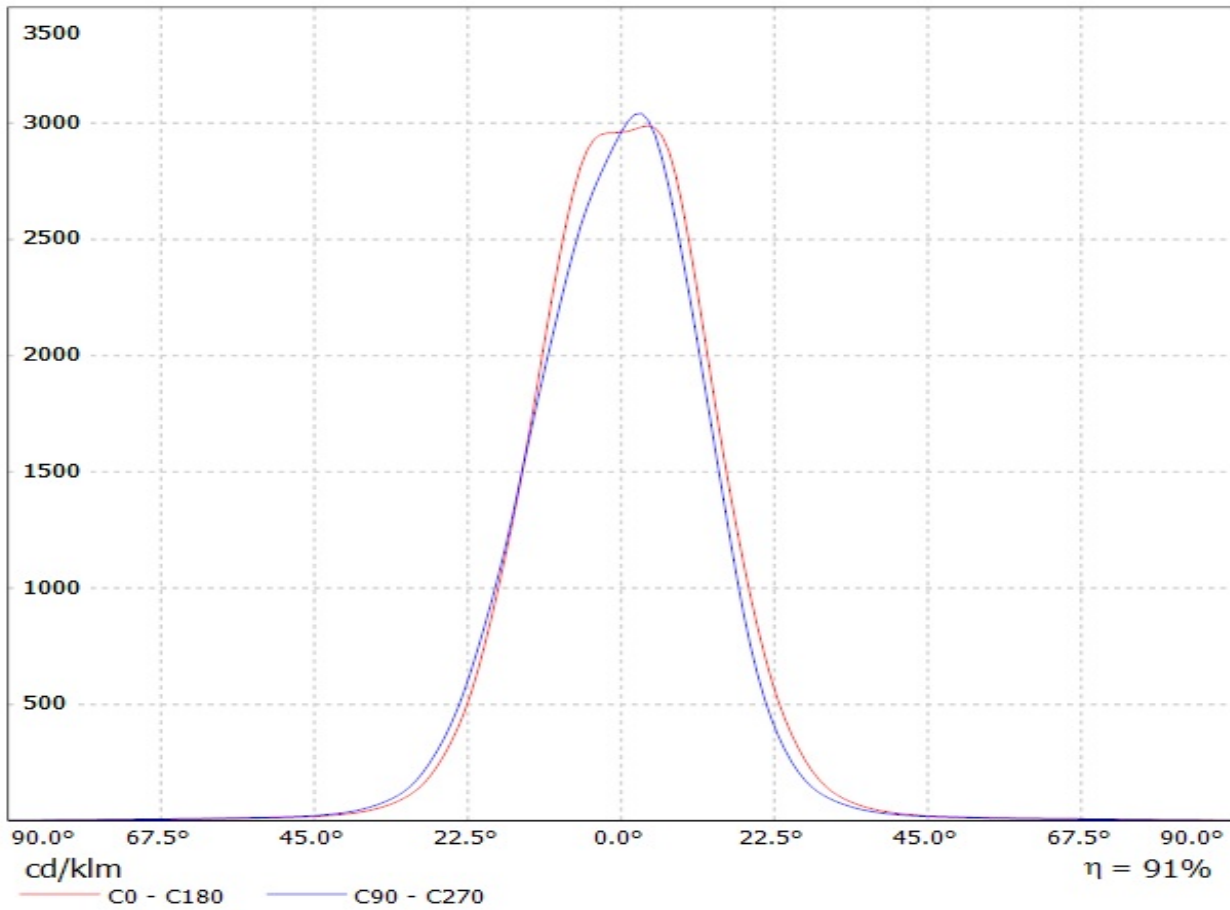
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XB-H)

Lamps: 1 x Cree_XB-H_(XBHAWT-0-7C1-T30-0H-0001)_97.2452lm@250mA_P=0.755198W_I=0.2499A



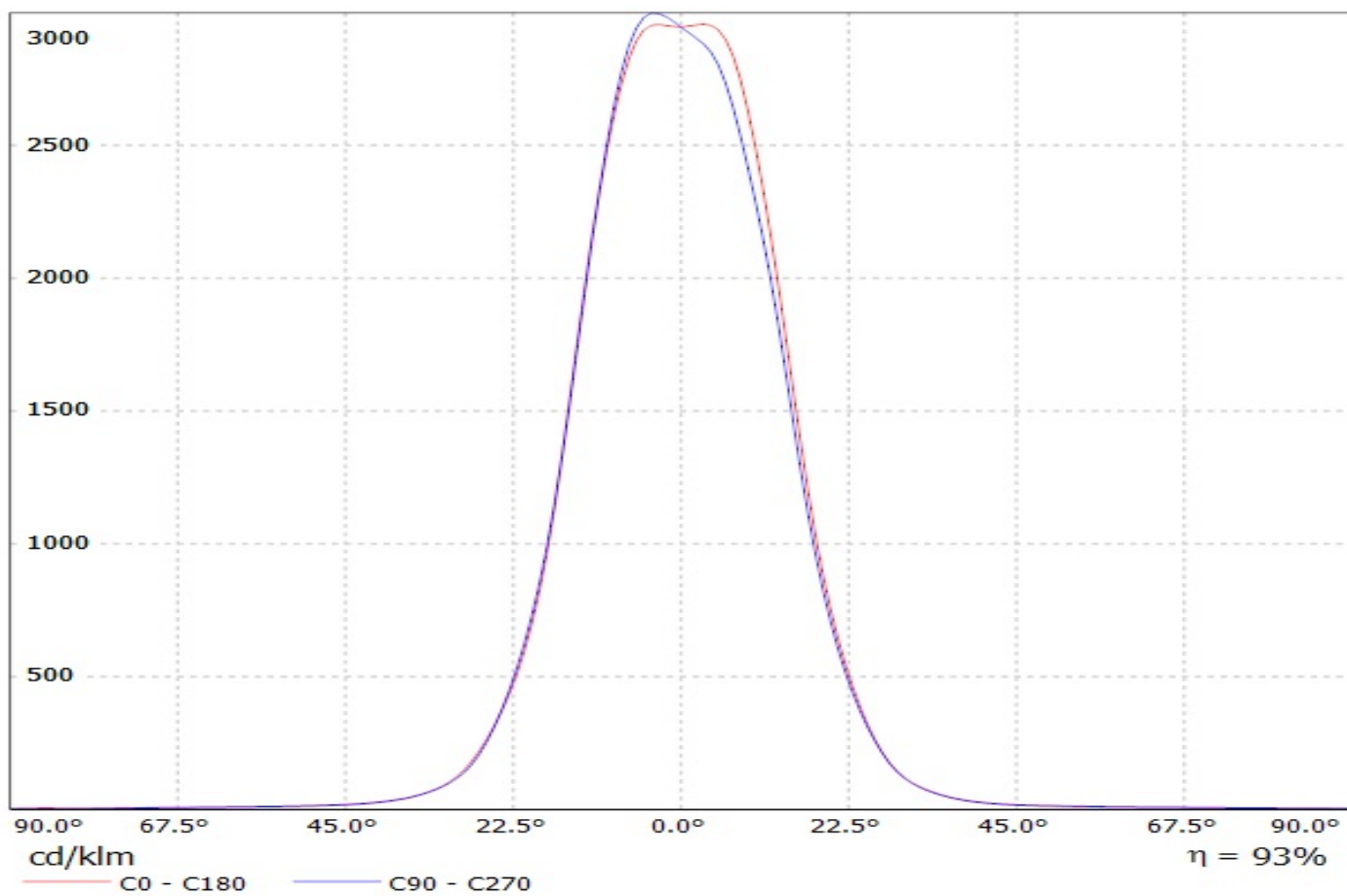
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M (Oslon_Square_PC)

Lamps: 1 x Osram_Oslon_Square-PC_(LCW_CQAR.PL-MSMV-5H71-1)_99.714lm@250mA_P=0.770717W_I=0.2499A



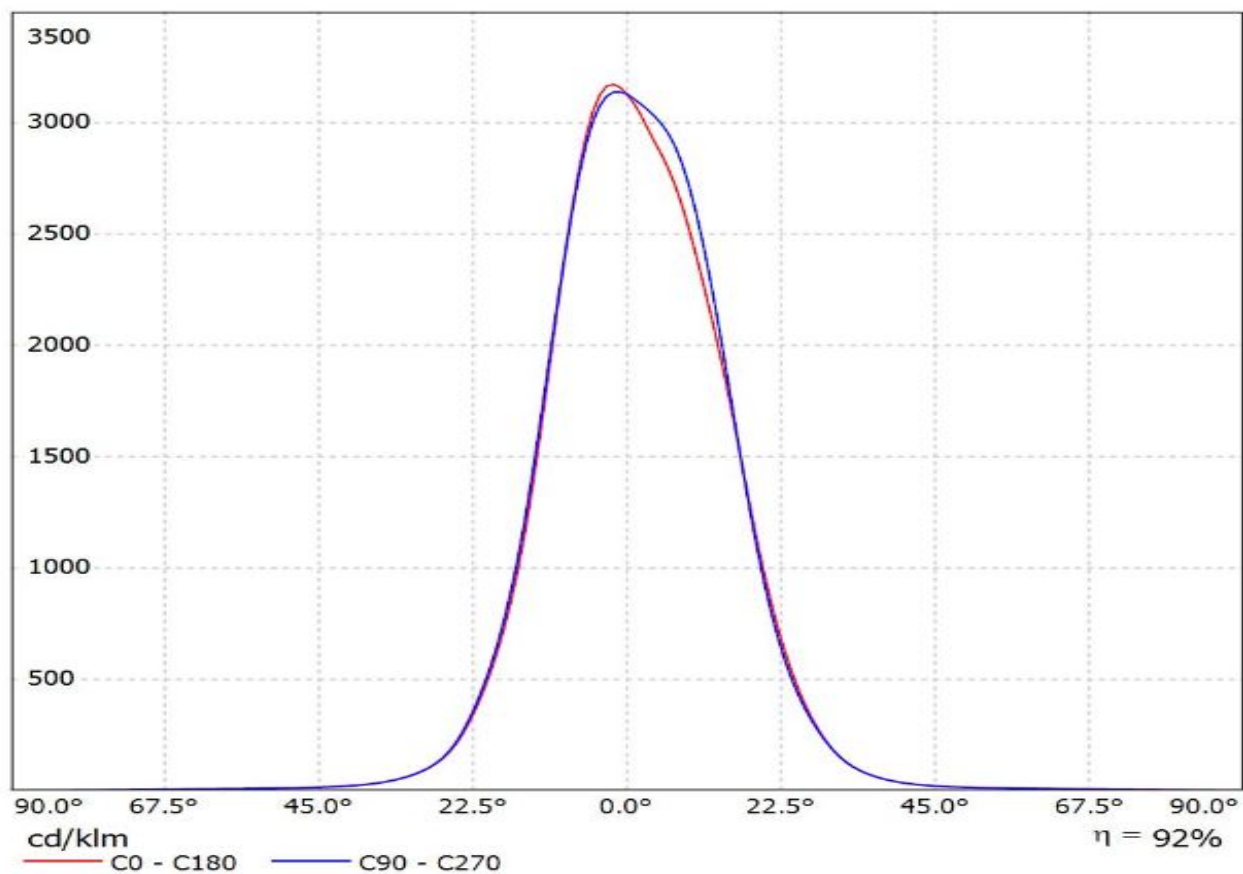
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_T)

Lamps: 1 x Philips_Lumileds_Luxeon_T_(LXH8-FW30-3)_72.2743lm@250mA_P=0.734231W_I=0.2499A

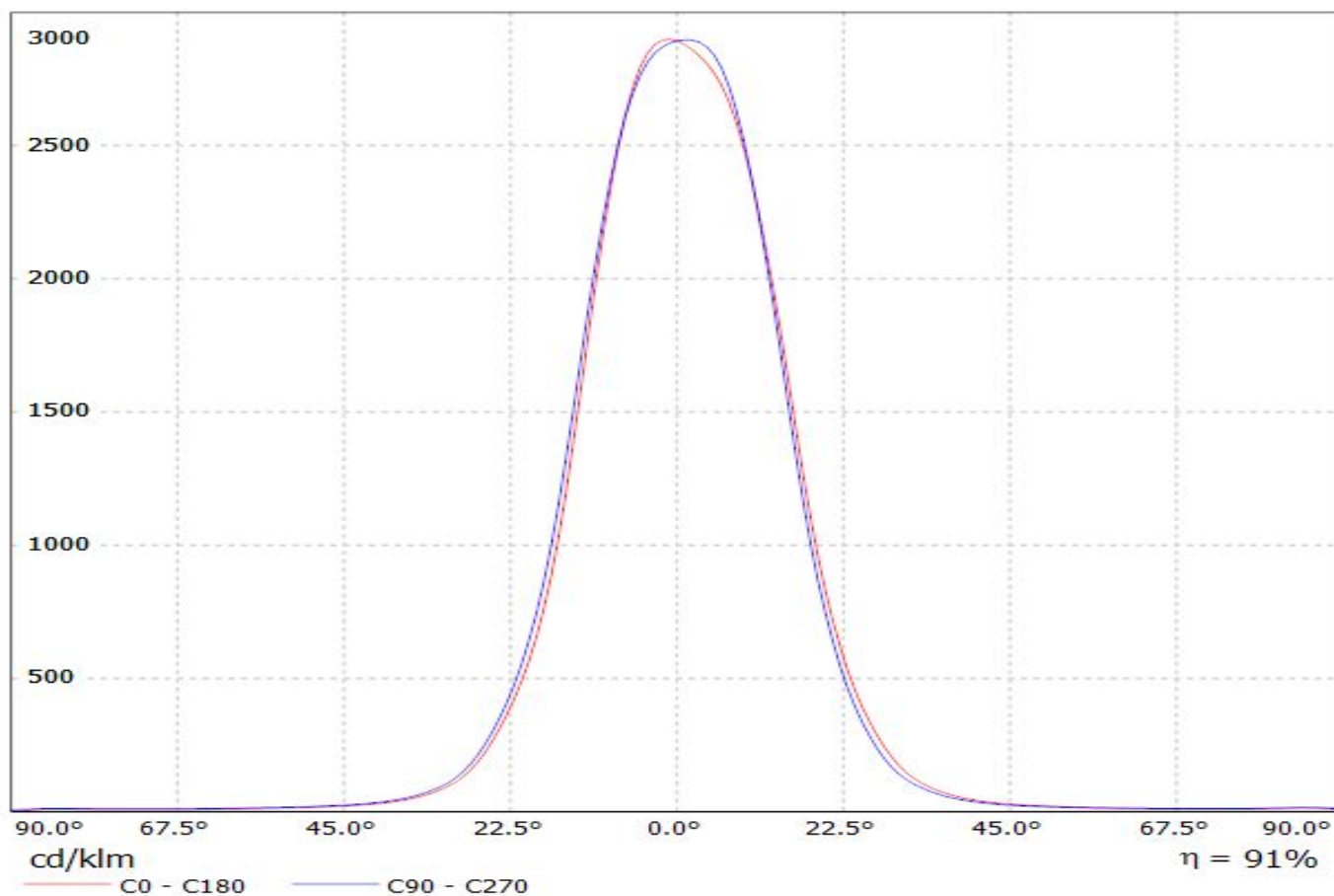


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_TX)

Lamps: 1 x Philips_Lumileds_Luxeon_TX_(L1T2-3585)_80.8039lm@250mA_CCT=3554K_P=0.740679W_I=0.2499A

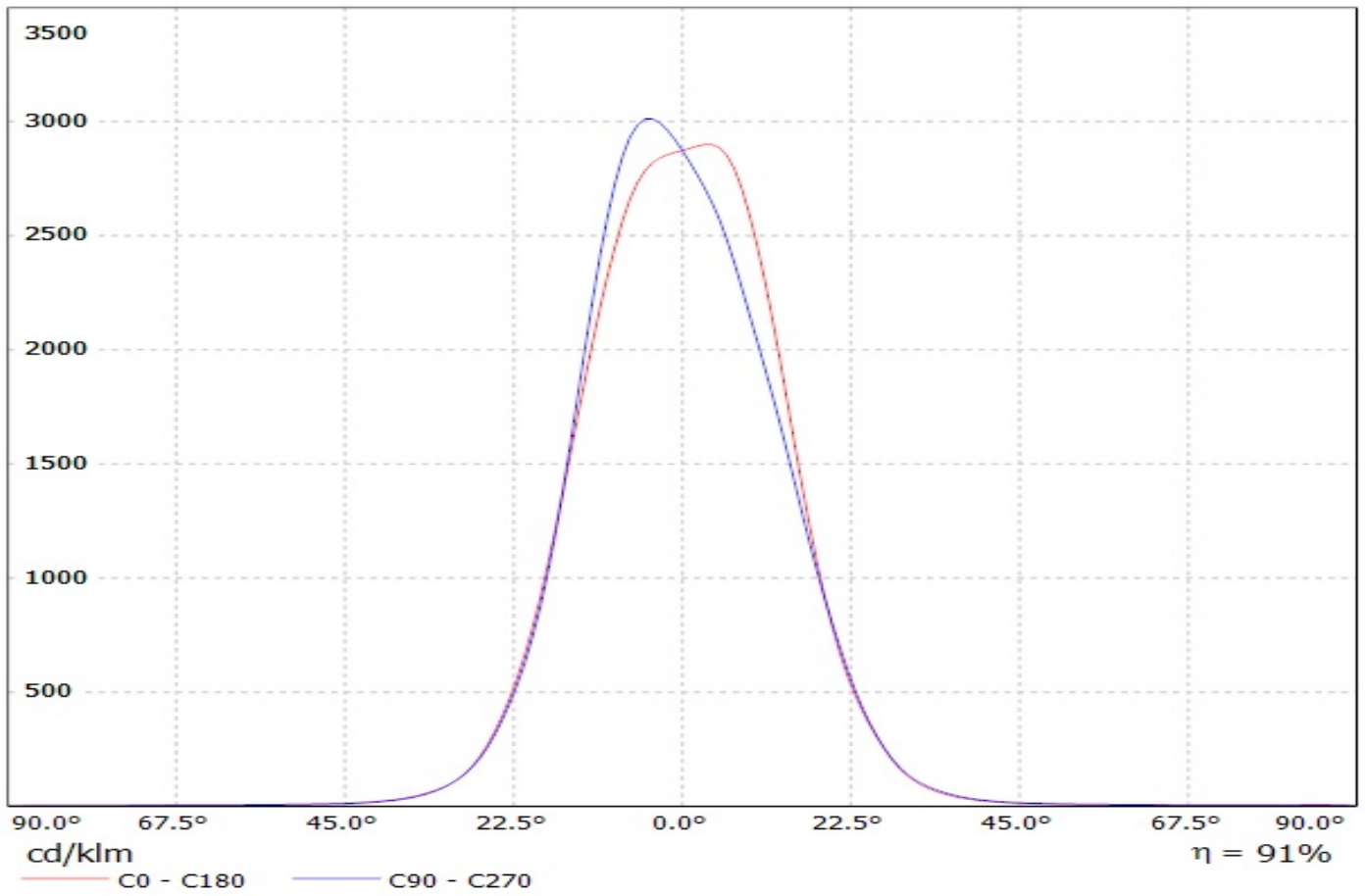


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Nichia_NVsxx19B)
Lamps: 1 x Nichia_NVsxx19B_105.826lm@250mA_P=0.731182W_I=250mA



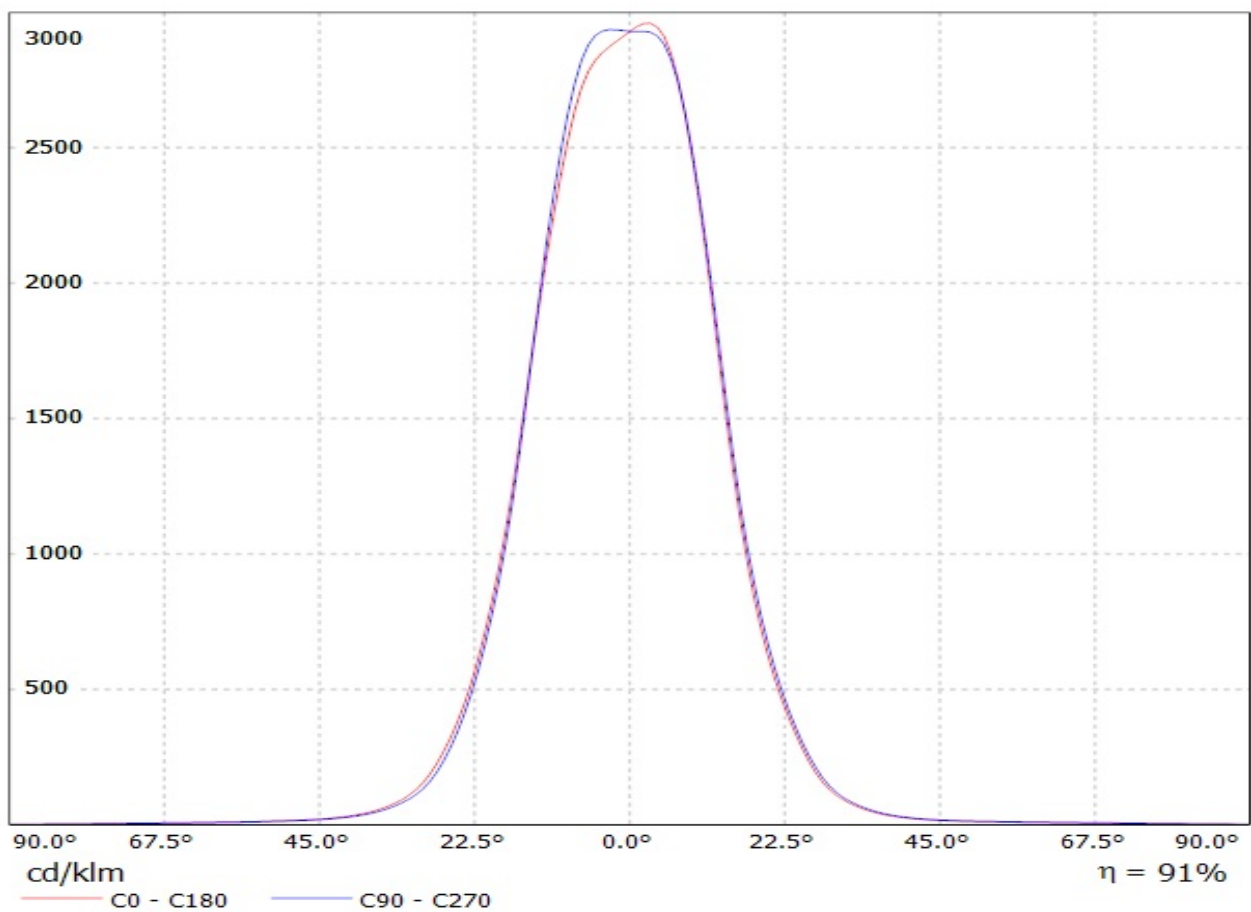
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_A)

Lamps: 1 x Philips_Lumileds_Luxeon_A_(LXH8-PW30)_65.8365lm@250mA_P=0.727284W_I=0.2499A

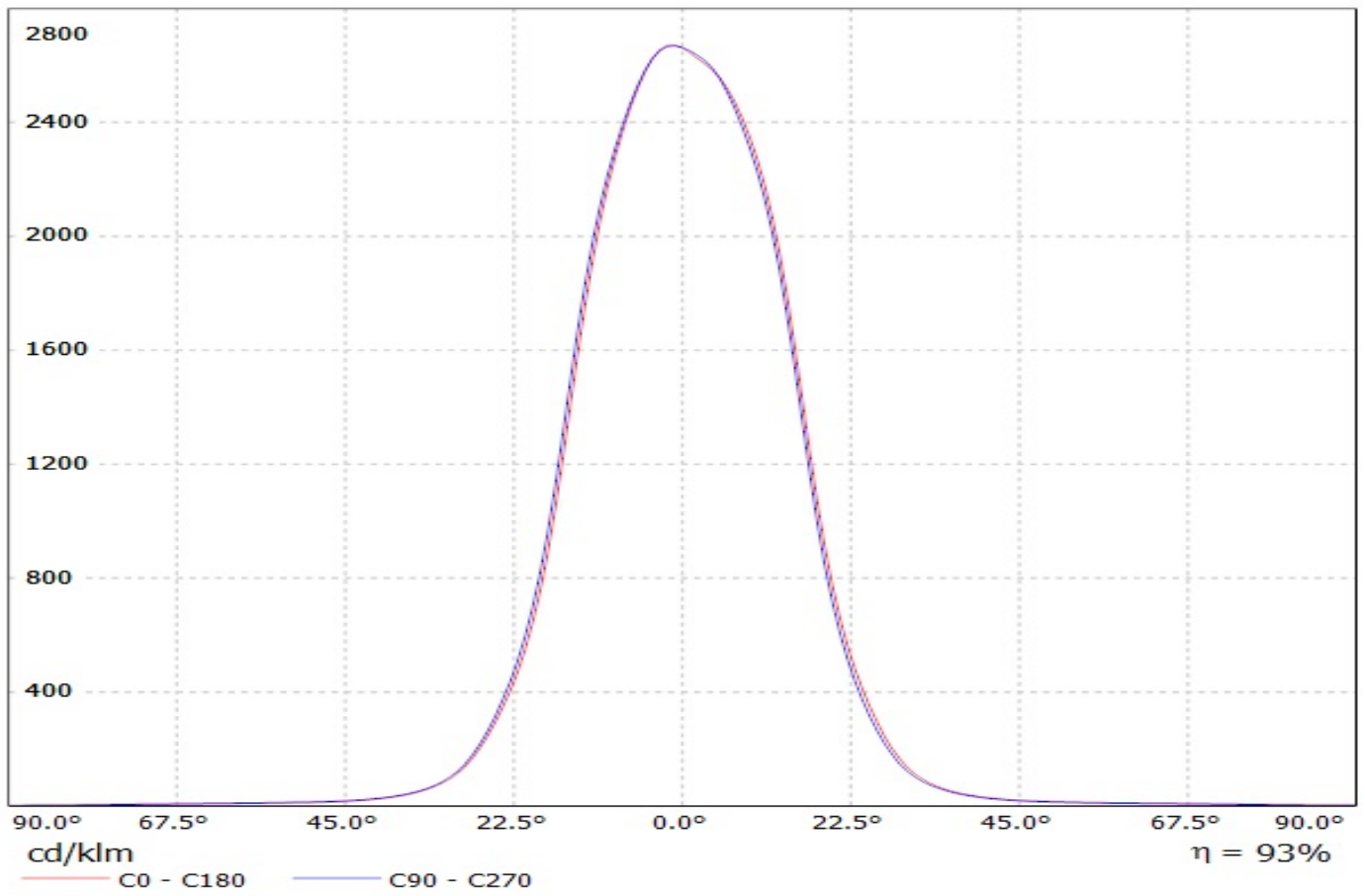


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_R)

Lamps: 1 x Philips_Lumileds_Luxeon_R_(LXA7-PW30)_74.1293lm@250mA_CCT=3049K_P=0.727484W_I=0.2499A

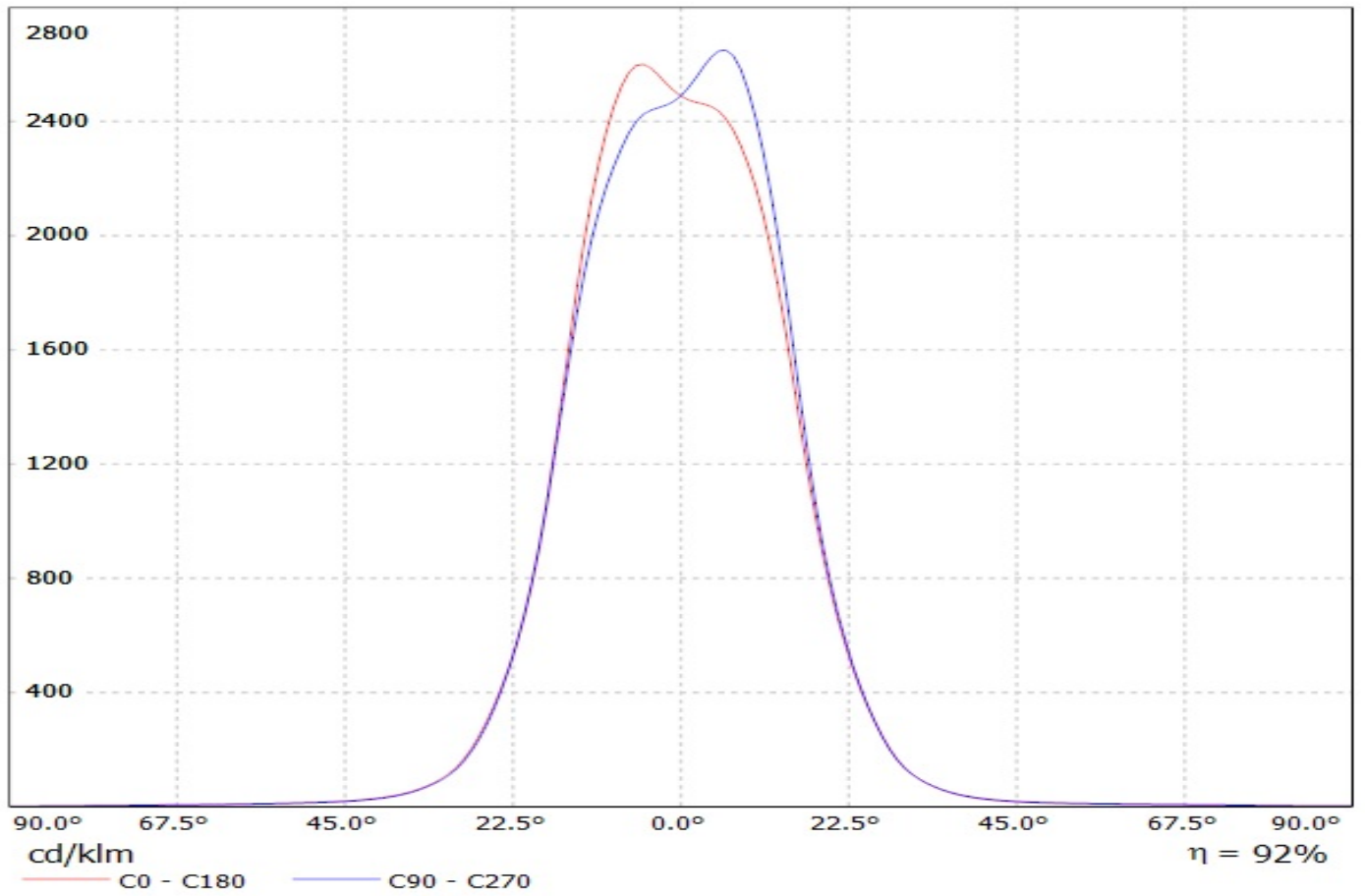


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_MZ)
Lamps: 1 x Philips_Lumileds_Luxeon_MZ_386.758lm@250mA_P=2.77489W_I=0.2499A

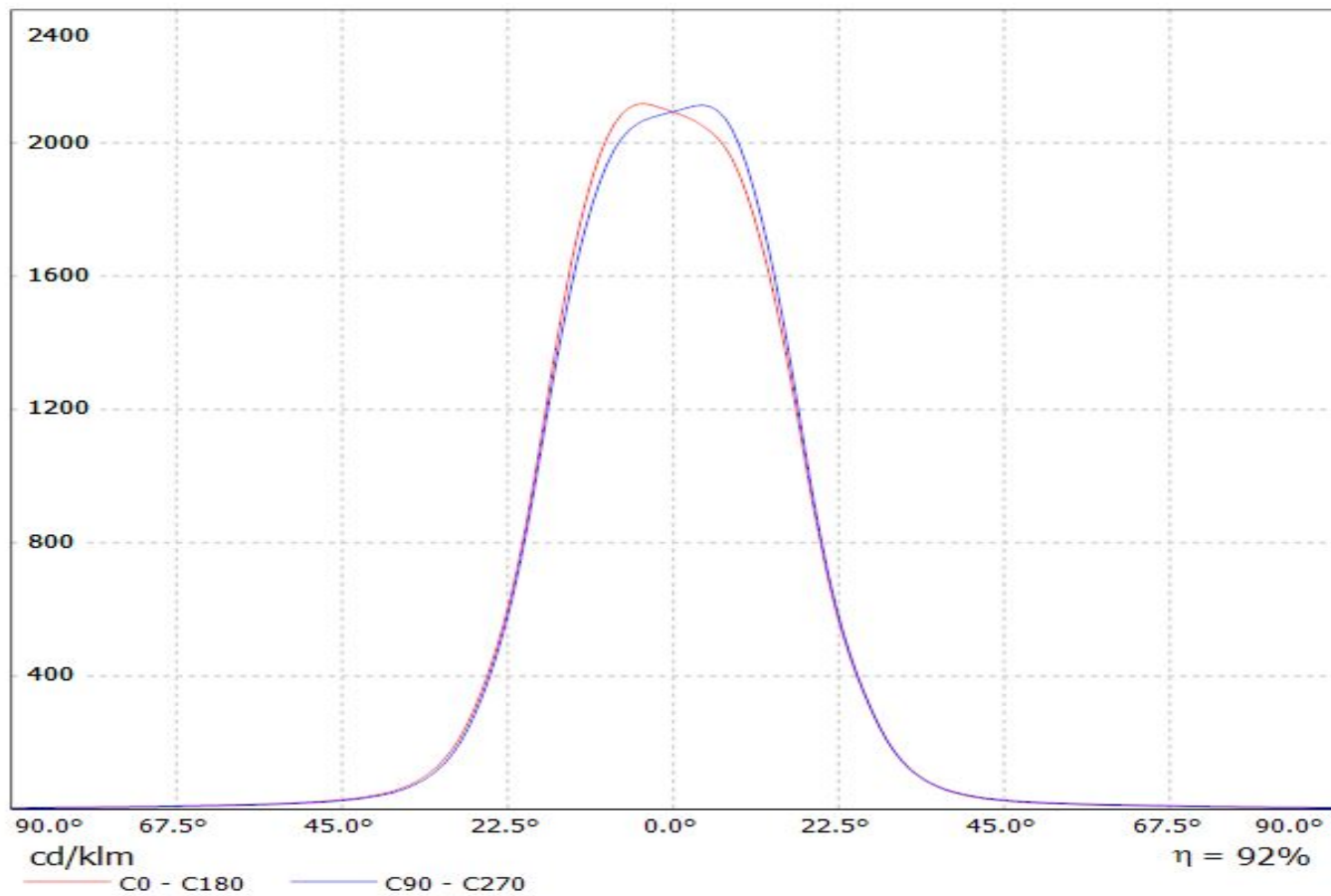


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(H35C1)

Lamps: 1 x LG_H35C1_(PKG5700K)_116.036lm@250mA_CCT=6235K_P=0.757272W_I=0.2499A

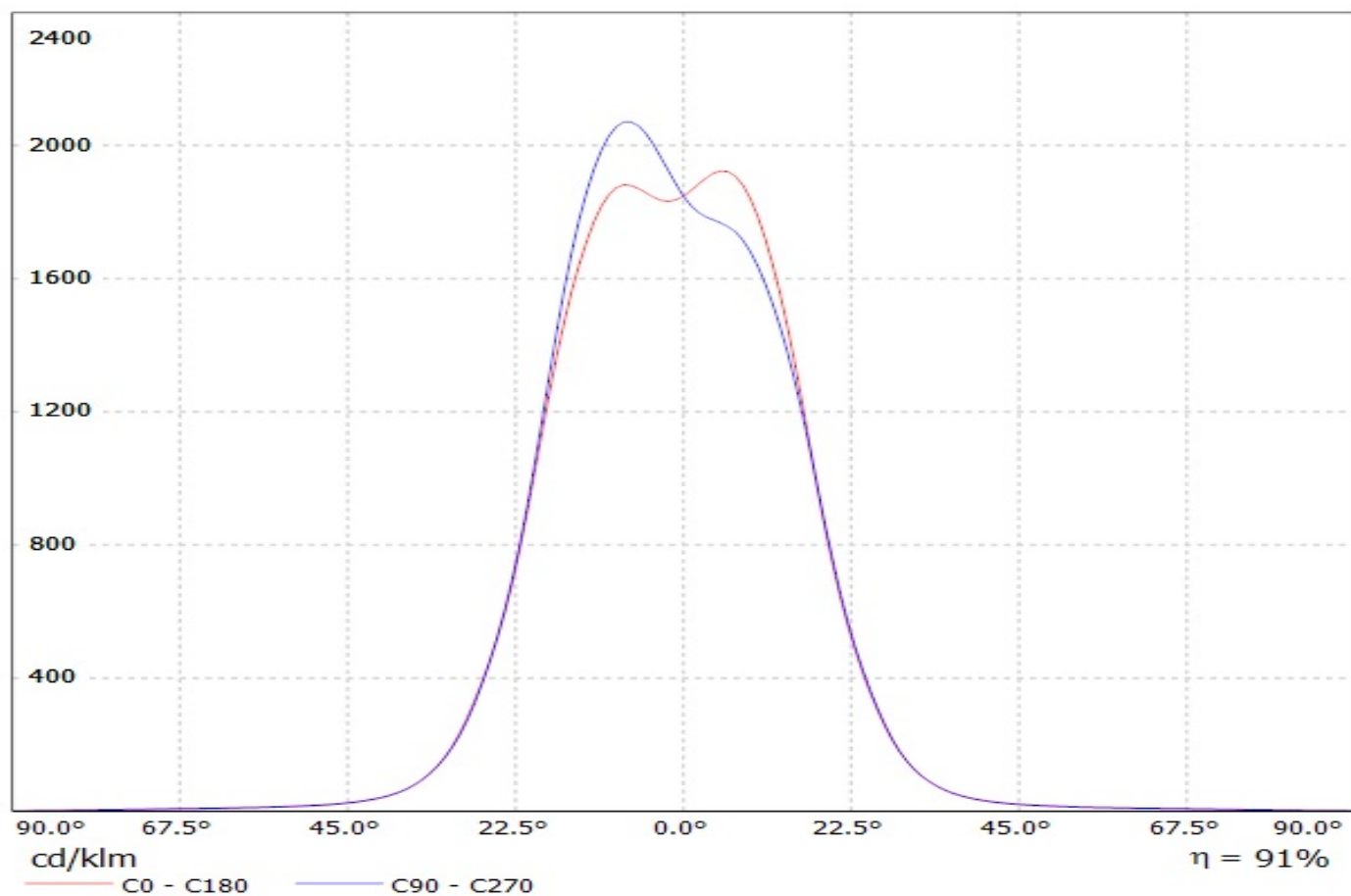


Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M (Cree_XM-L)
Lamps: 1 x Cree_XM-L_90.3992lm@250mA_P=0.735056W_I=250mA



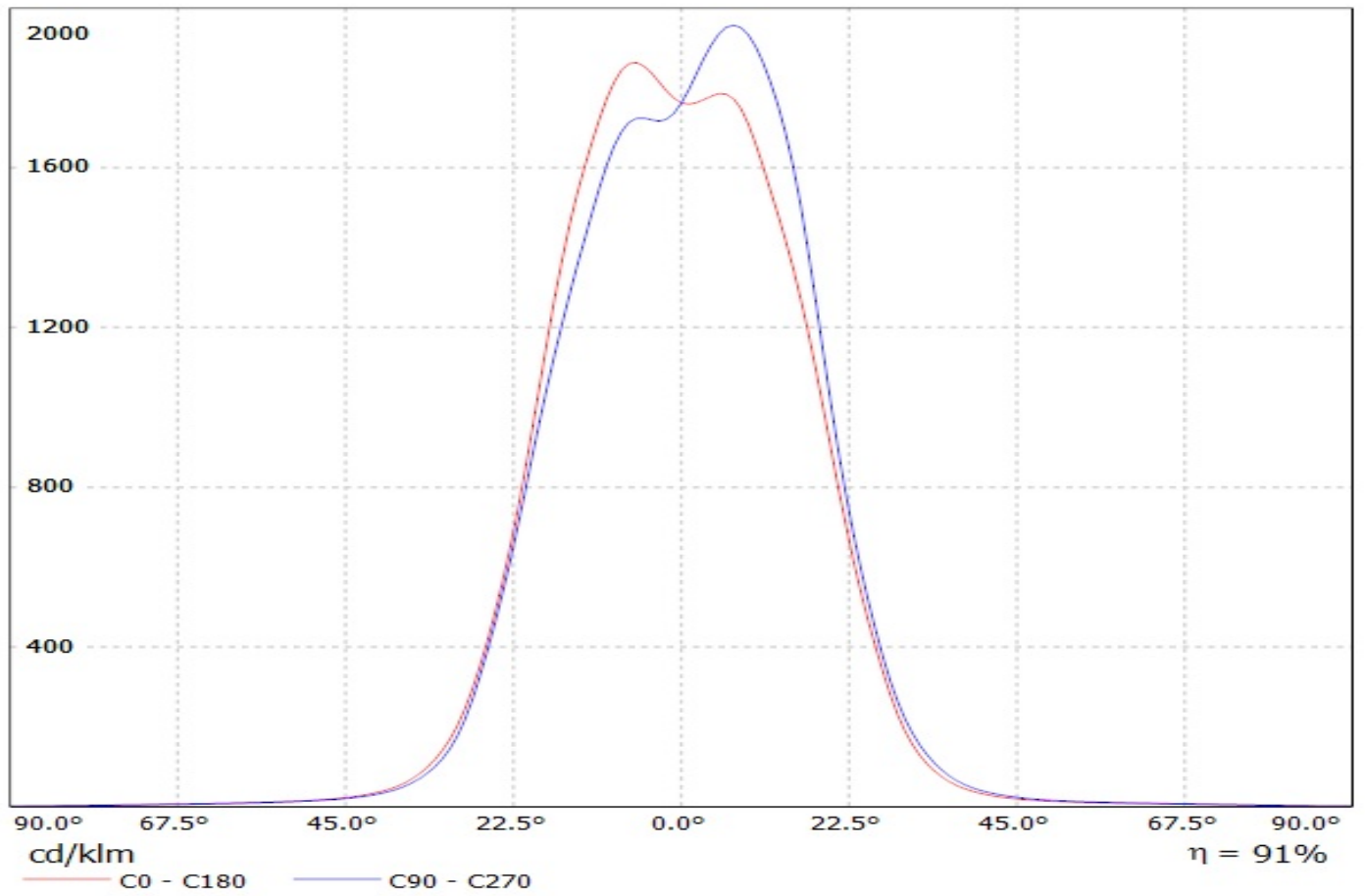
Luminaire: LEDiL Oy CA14461 VERONICA-SQ-M_(XM-L2)

Lamps: 1 x Cree_XM-L2_(XMLBWT-0-7B4-T30-0L-0001)_95.1239lm@250mA_P=0.734831W_I=0.2499A



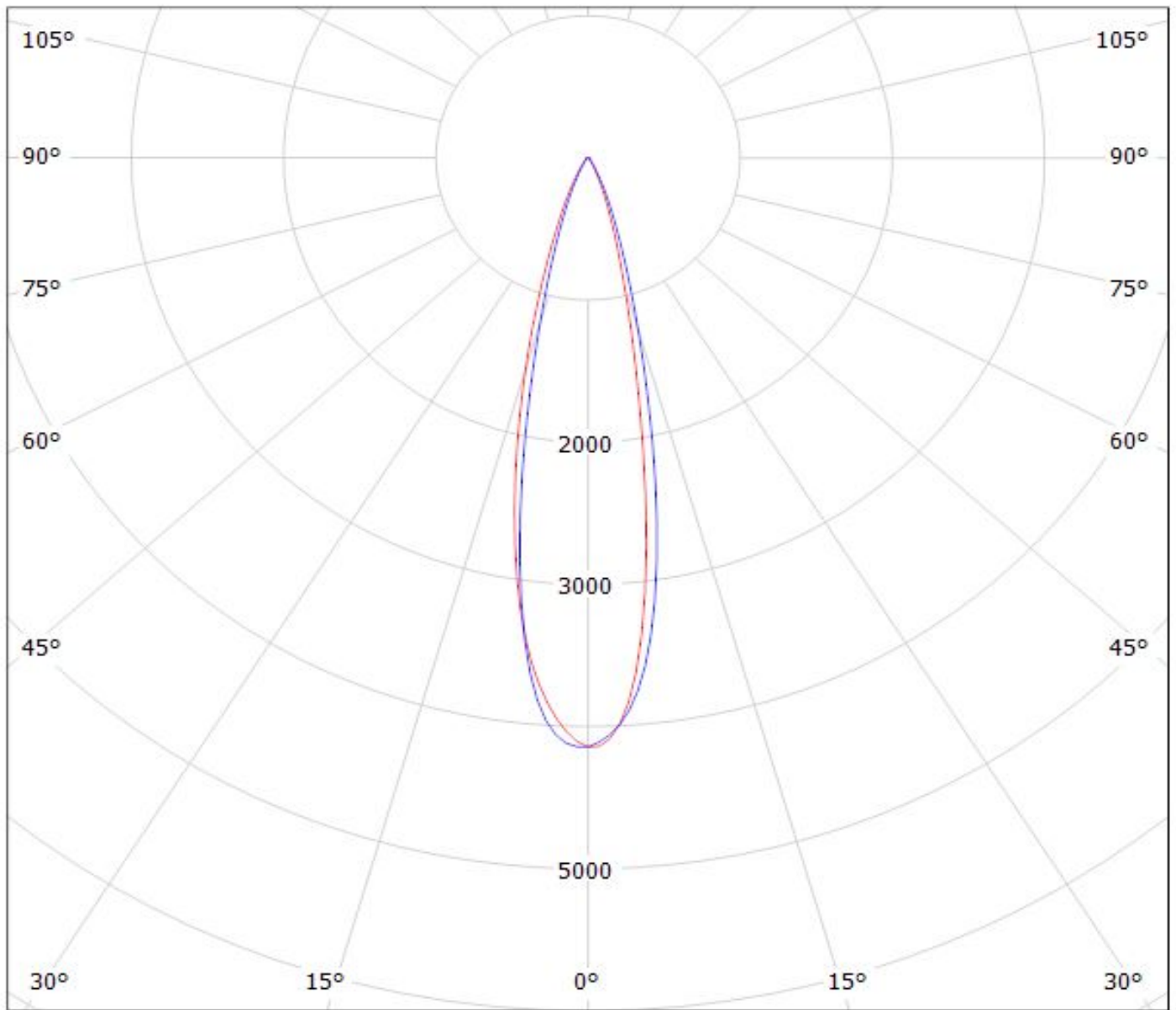
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XP-L)

Lamps: 1 x Cree_XP-L_(XPLAWT-0-7A3-U50-0H-0001)_102.988lm@250mA_P=0.724035W_I=0.2499A



Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Nichia_NCSxx19B)

Lamps: 1 x Nichia_NCSxx19B_90.3281lm@250mA_P=0.795931W_I=250mA



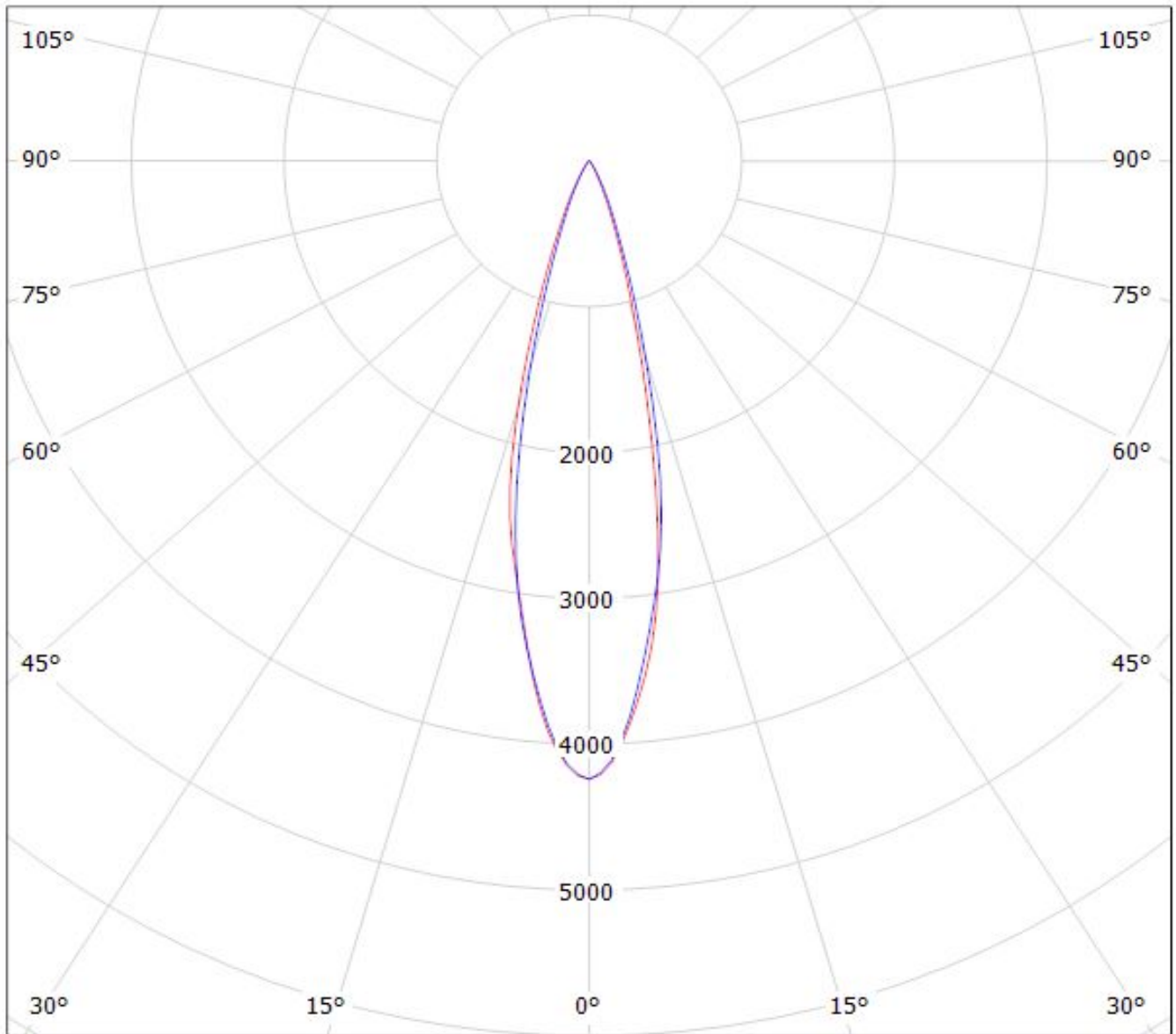
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Cree_XP-E2)
Lamps: 1 x Cree_XP-E2_79.5831lm@250mA_P=0.754073W_I=250mA

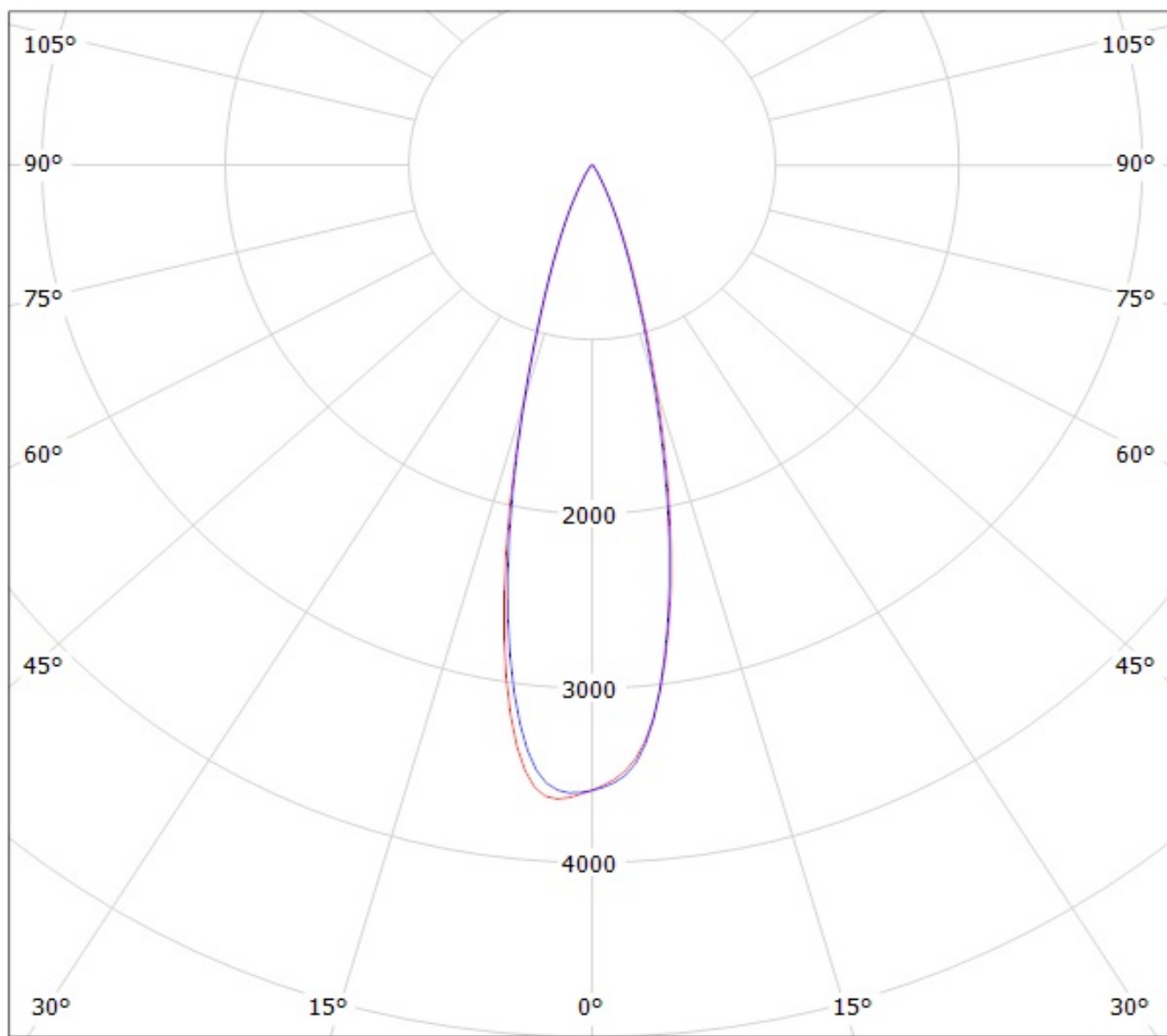


$\eta = 94\%$

cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_Rebel)

Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_(LXM8-PW30)_61.1293lm@250mA_P=0.728758W_I=0.2499A



cd/klm

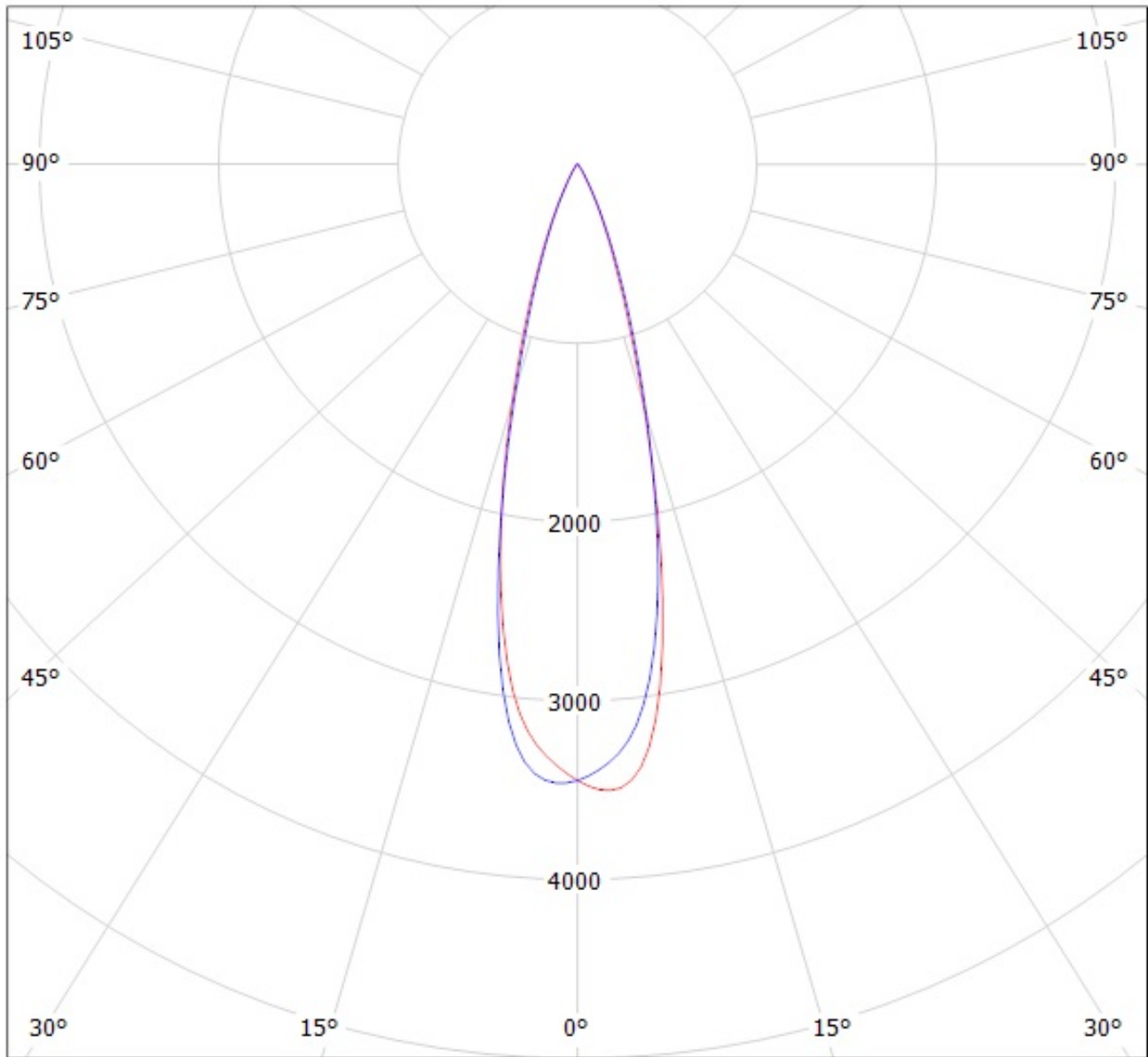
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_Rebel_ES)

Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_ES_(LXML-PWC2)_89.4472lm@250mA_P=0.746101W_I=0.2499A



cd/klm

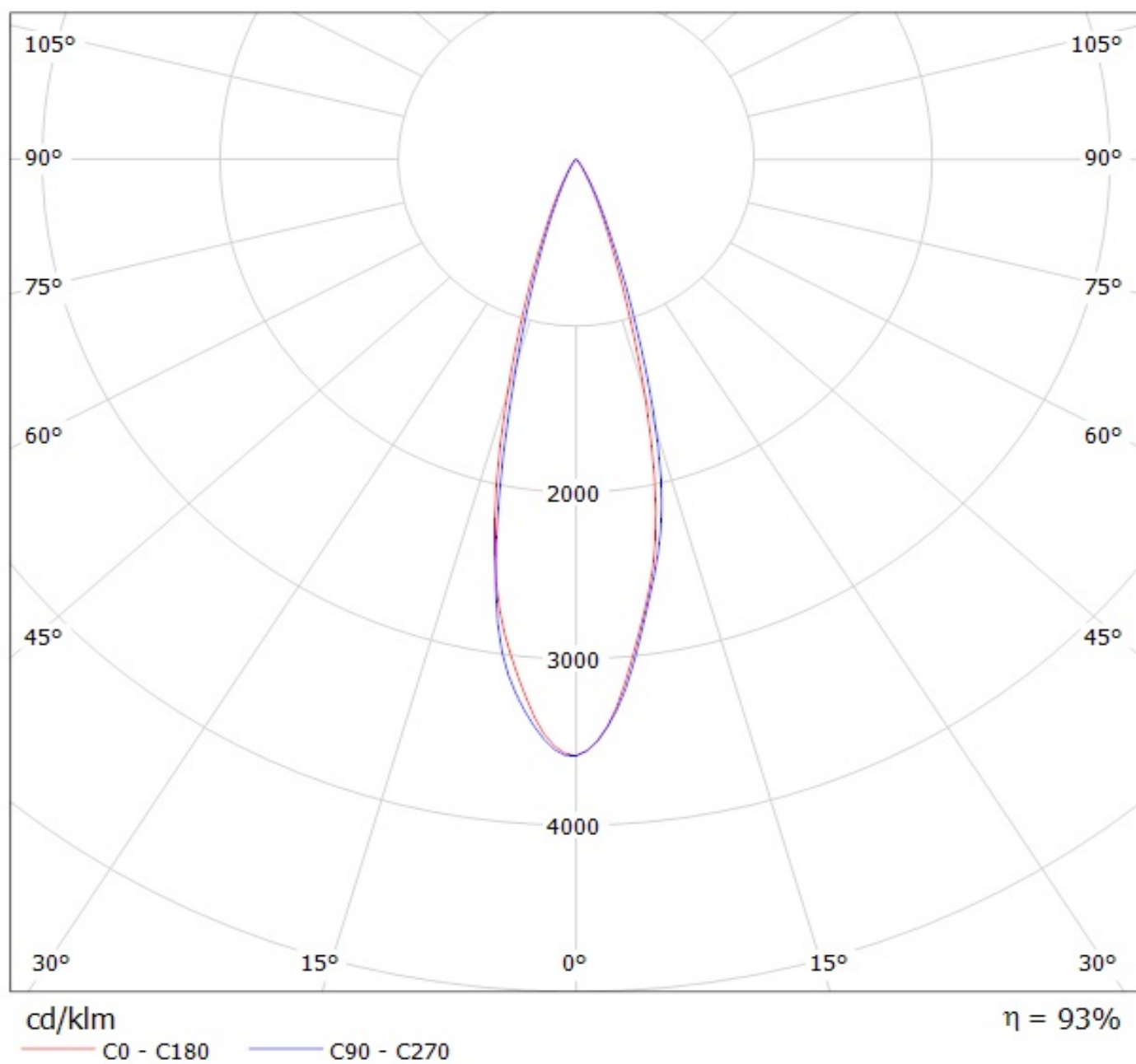
— C0 - C180

— C90 - C270

$\eta = 91\%$

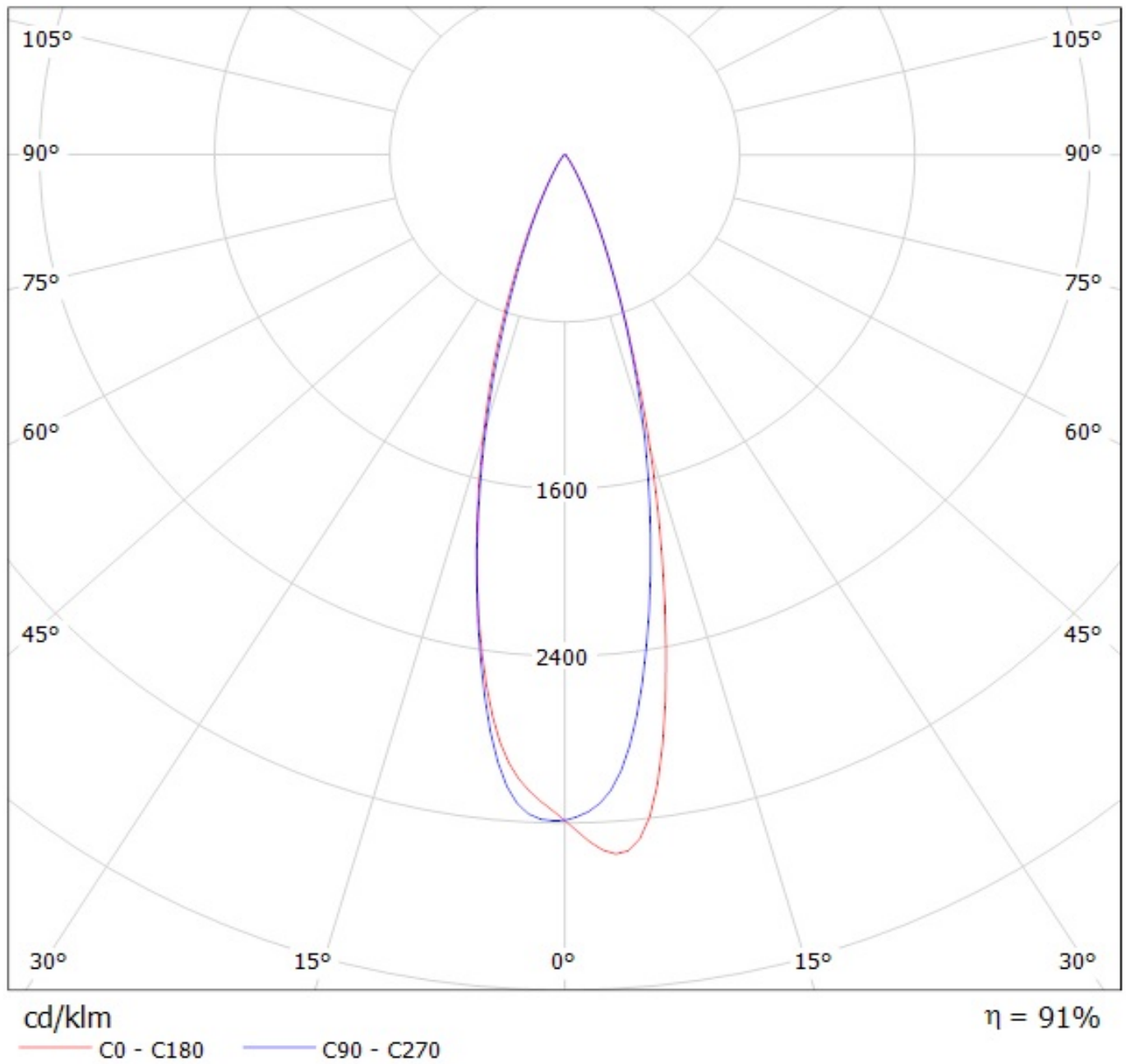
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XP-E)

Lamps: 1 x Cree_XP-E_(XPEWHT-L1-3C0-Q5-0-06)_78.0735lm@250mA_P=0.803378W_I=0.2499A



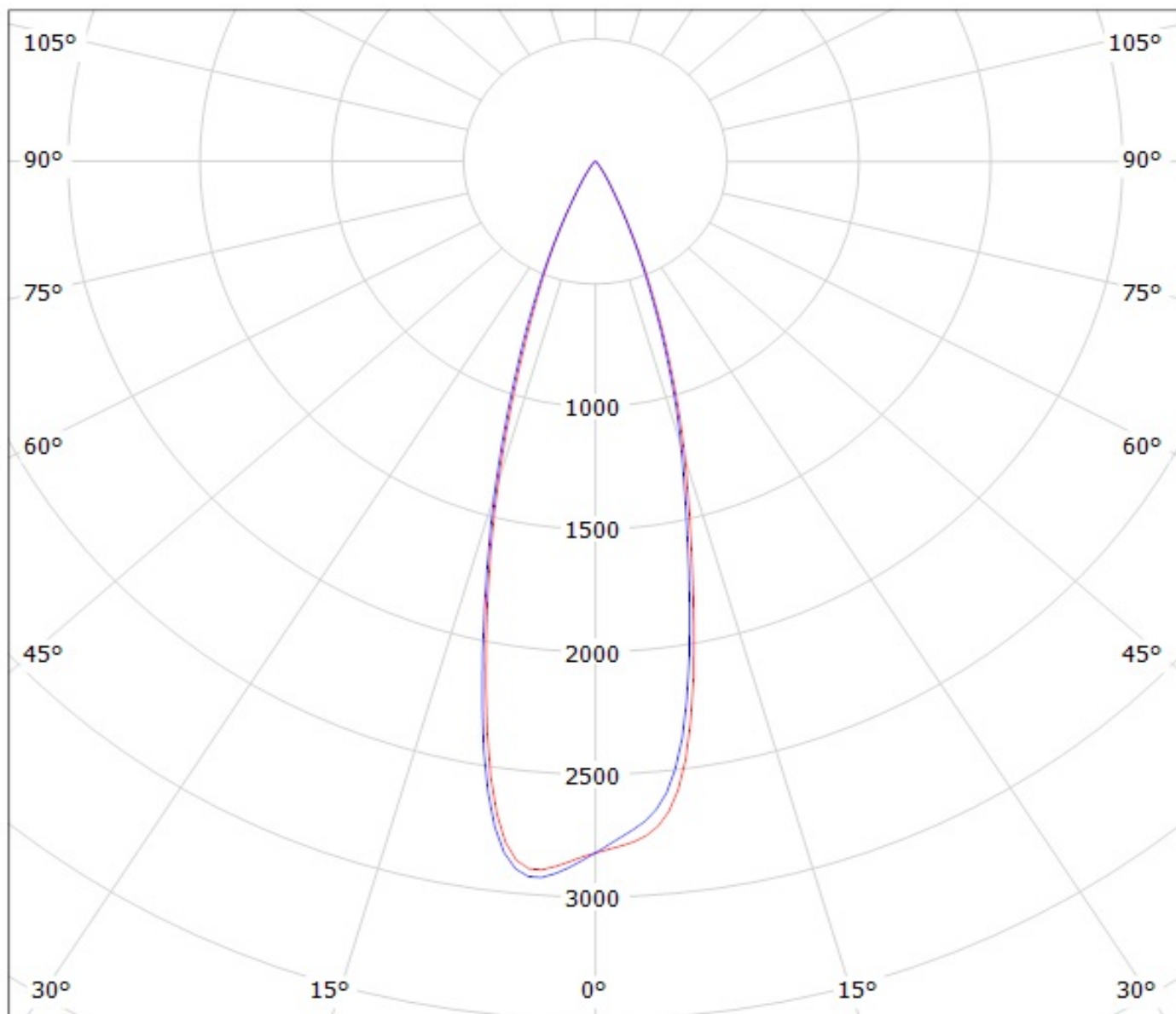
Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Oslon_Square_EC)

Lamps: 1 x Osram_Oslon_Square_EC_(GW_CSSRM1.EC)_85.3477lm@250mA_P=0.738904W_I=0.2499A



Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XB-H)

Lamps: 1 x Cree_XB-H_(XBHAWT-0-7C1-T30-0H-0001)_97.2452lm@250mA_P=0.755198W_I=0.2499A



cd/klm

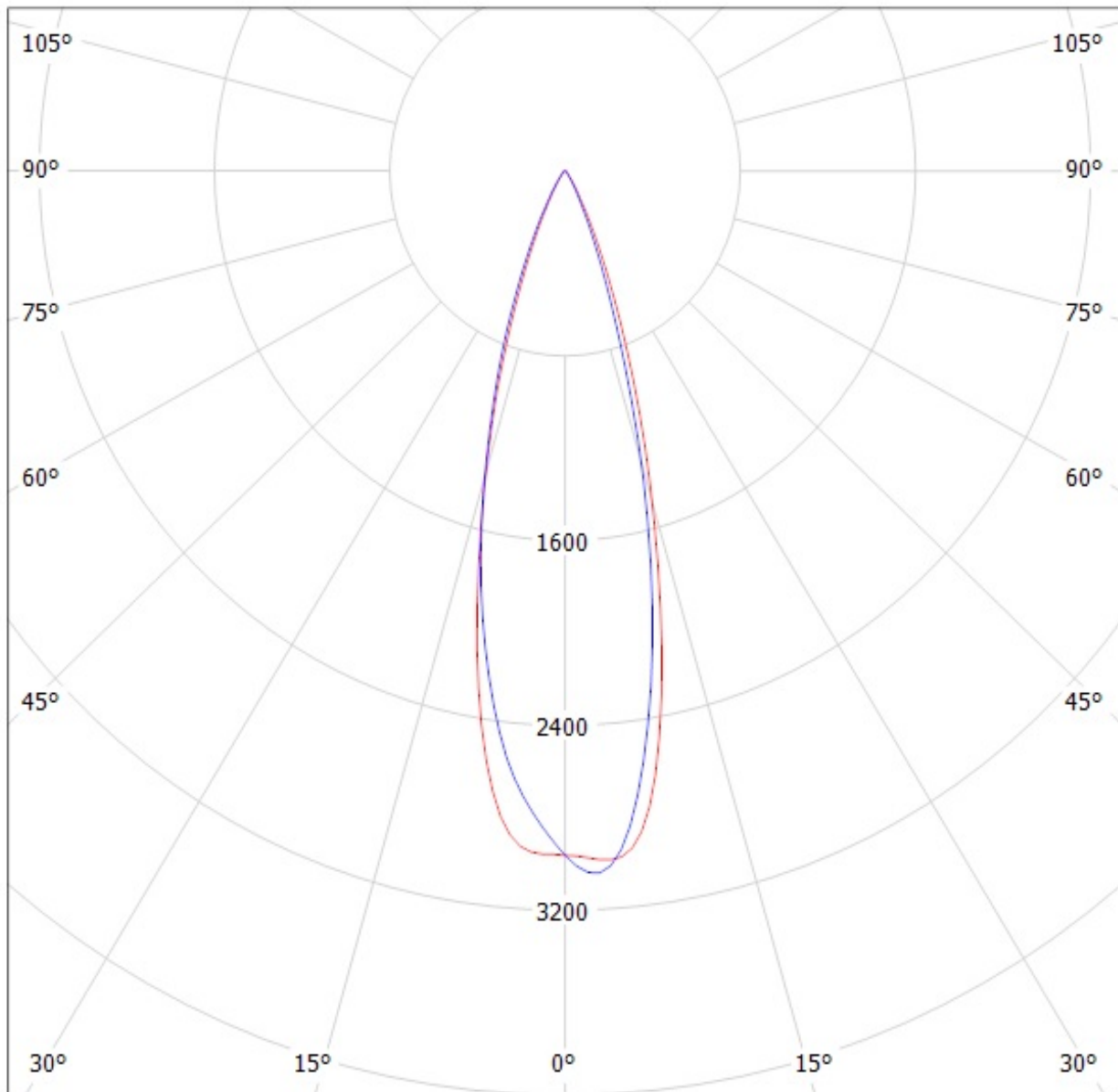
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Oslon_Square_PC)

Lamps: 1 x Osram_Oslon_Square-PC_(LCW_CQAR.PL-MSMV-5H71-1)_99.714lm@250mA_P=0.770717W_I=0.2499A



cd/klm

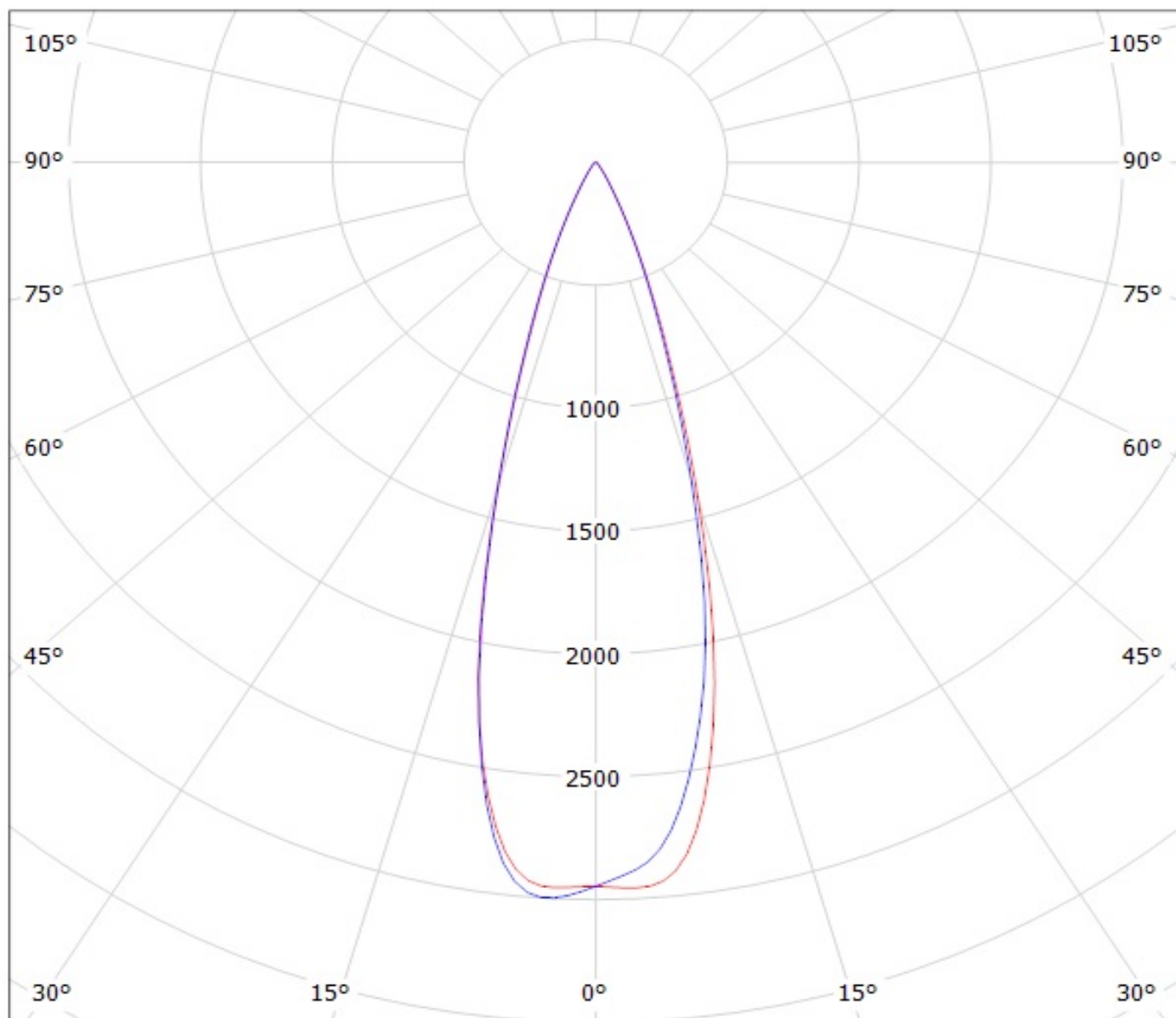
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_T)

Lamps: 1 x Philips_Lumileds_Luxeon_T_(LXH8-FW30-3)_72.2743lm@250mA_P=0.734231W_I=0.2499A



cd/klm

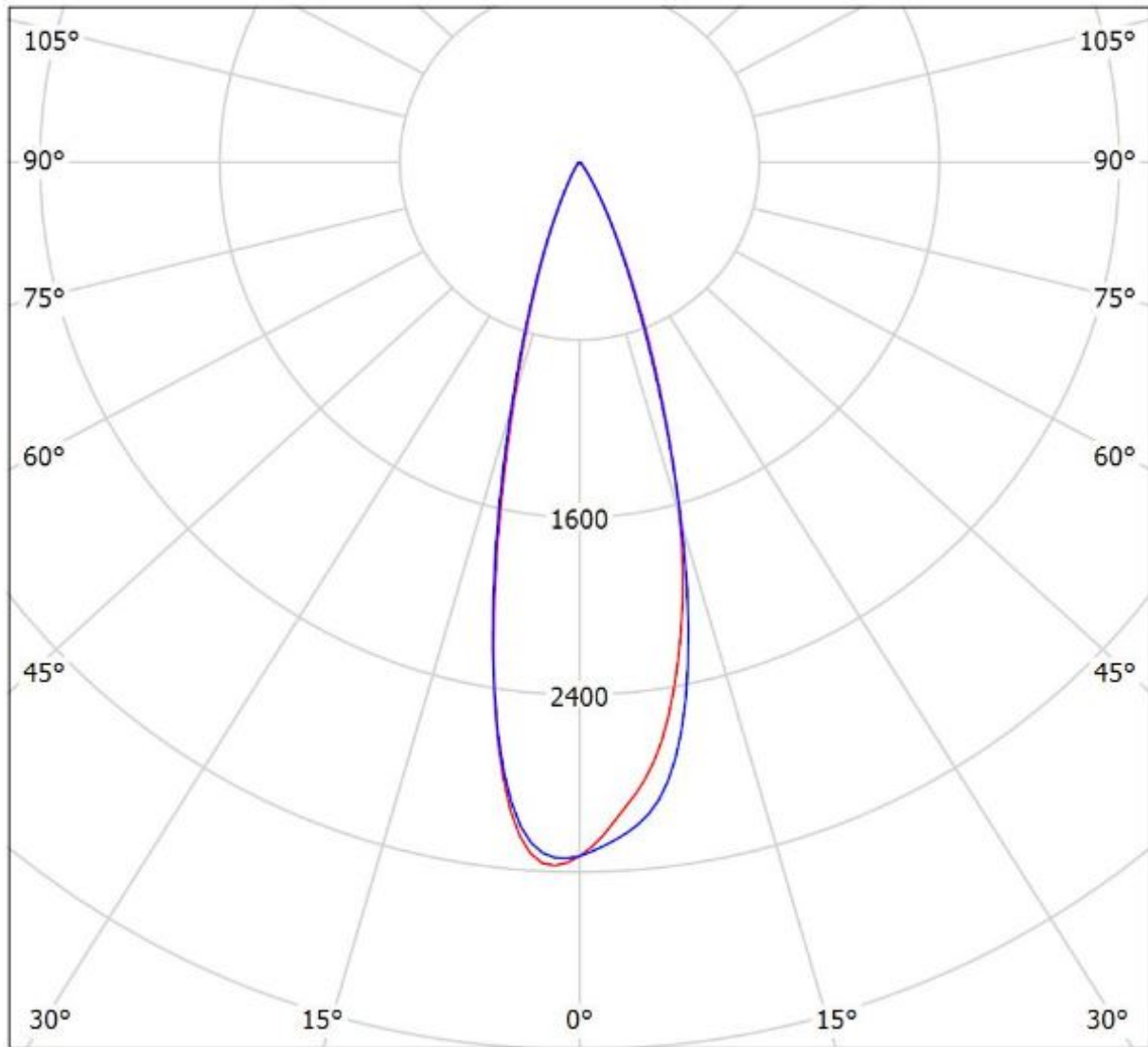
$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_TX)

Lamps: 1 x Philips_Lumileds_Luxeon_TX_(L1T2-3585)_80.8039lm@250mA_CCT=3554K_P=0.740679W_I=0.2499A



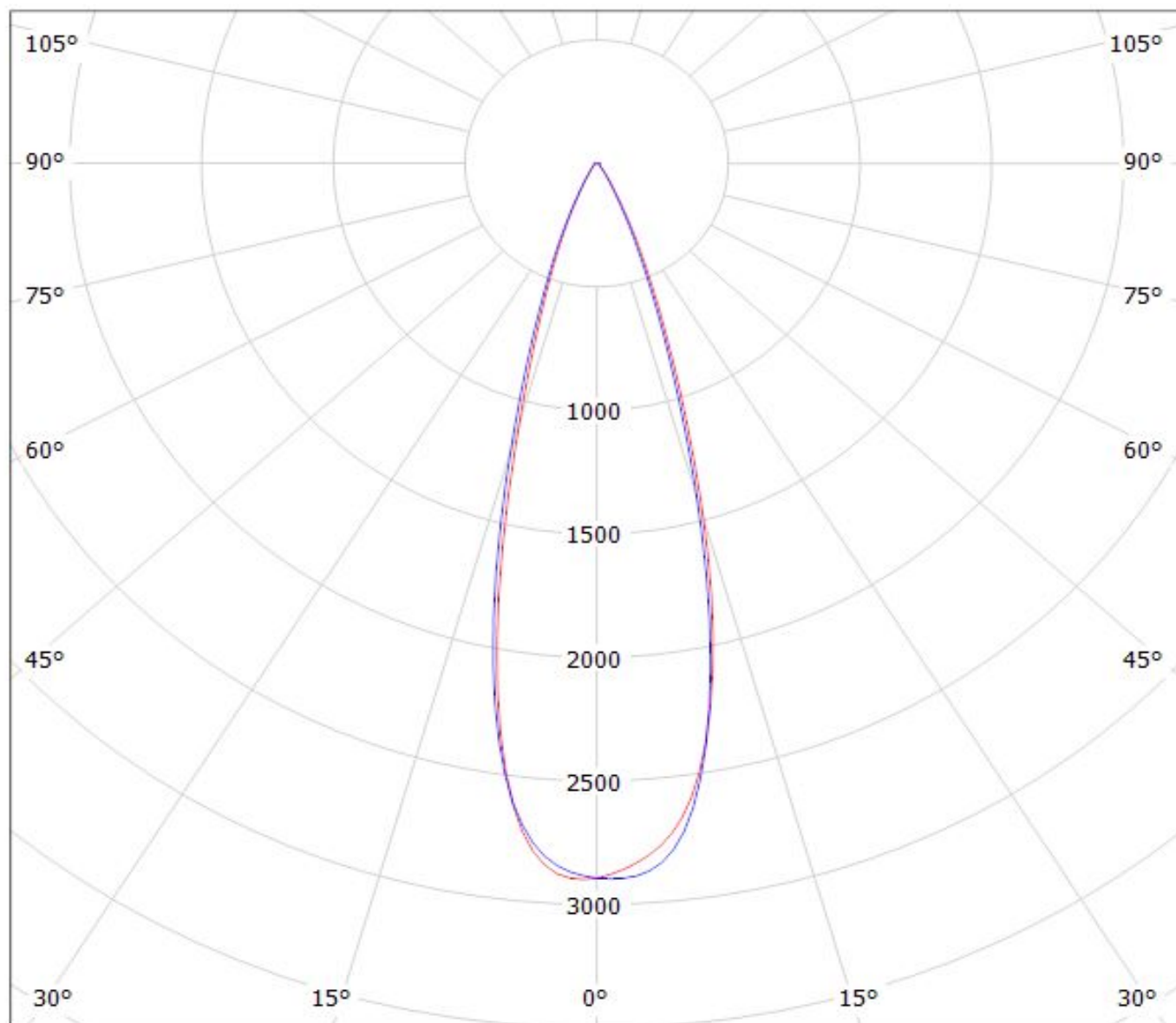
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Nichia_NVsxx19B)

Lamps: 1 x Nichia_NVsxx19B_105.826lm@250mA_P=0.731182W_I=250mA



cd/klm

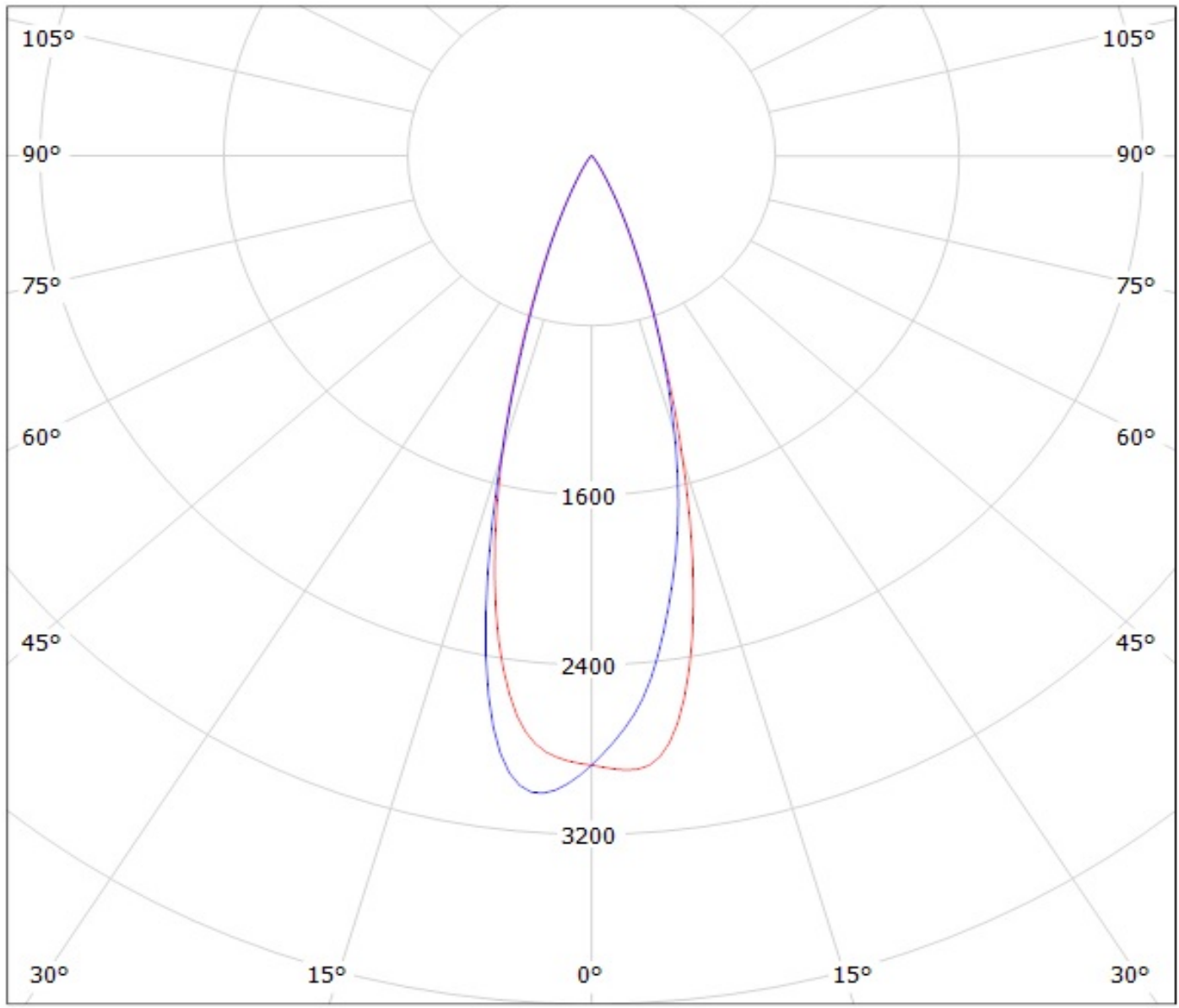
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_A)

Lamps: 1 x Philips_Lumileds_Luxeon_A_(LXH8-PW30)_65.8365lm@250mA_P=0.727284W_I=0.2499A



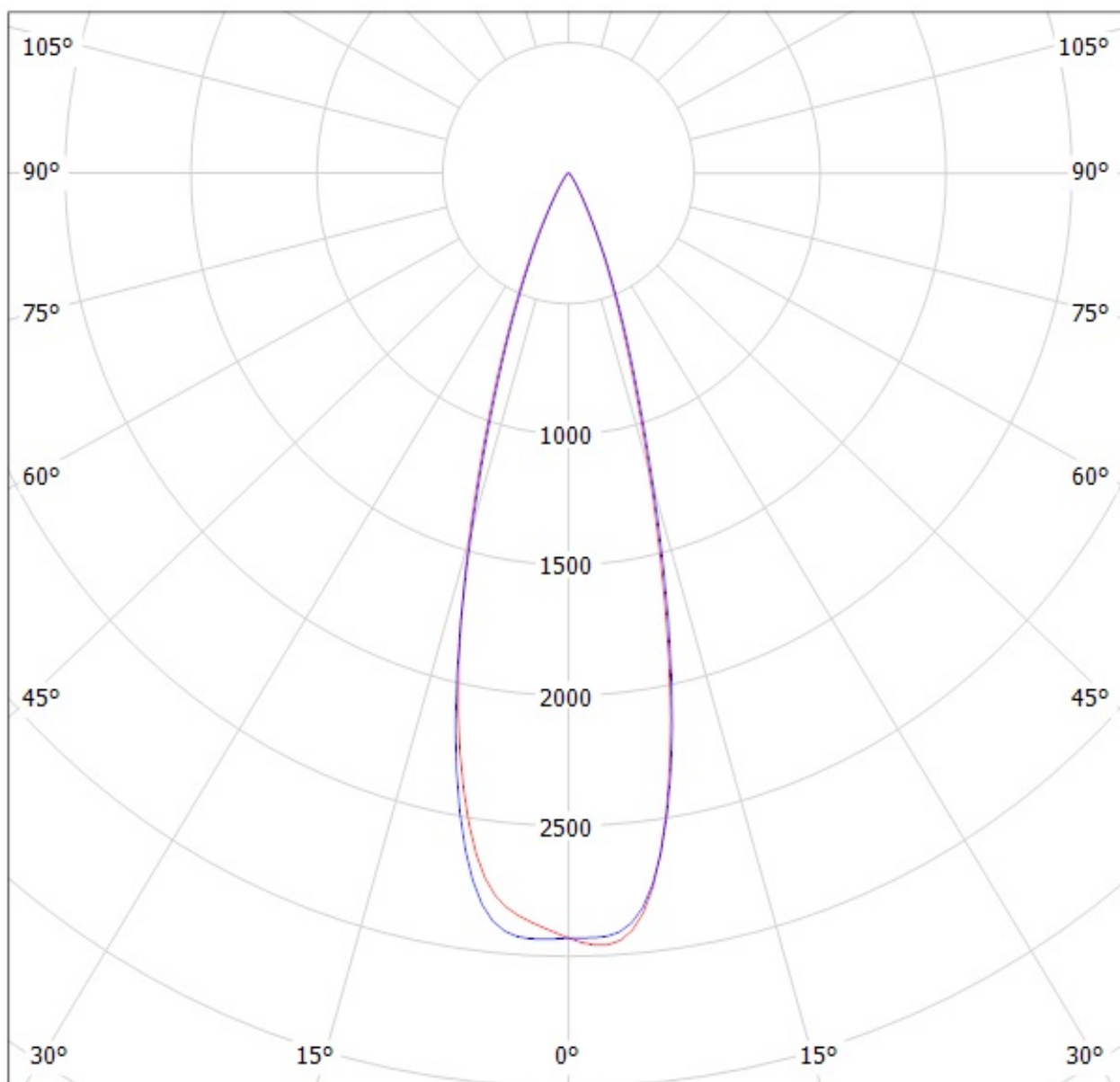
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_R)

Lamps: 1 x Philips_Lumileds_Luxeon_R_(LXA7-PW30)_74.1293lm@250mA_CCT=3049K_P=0.727484W_I=0.2499A



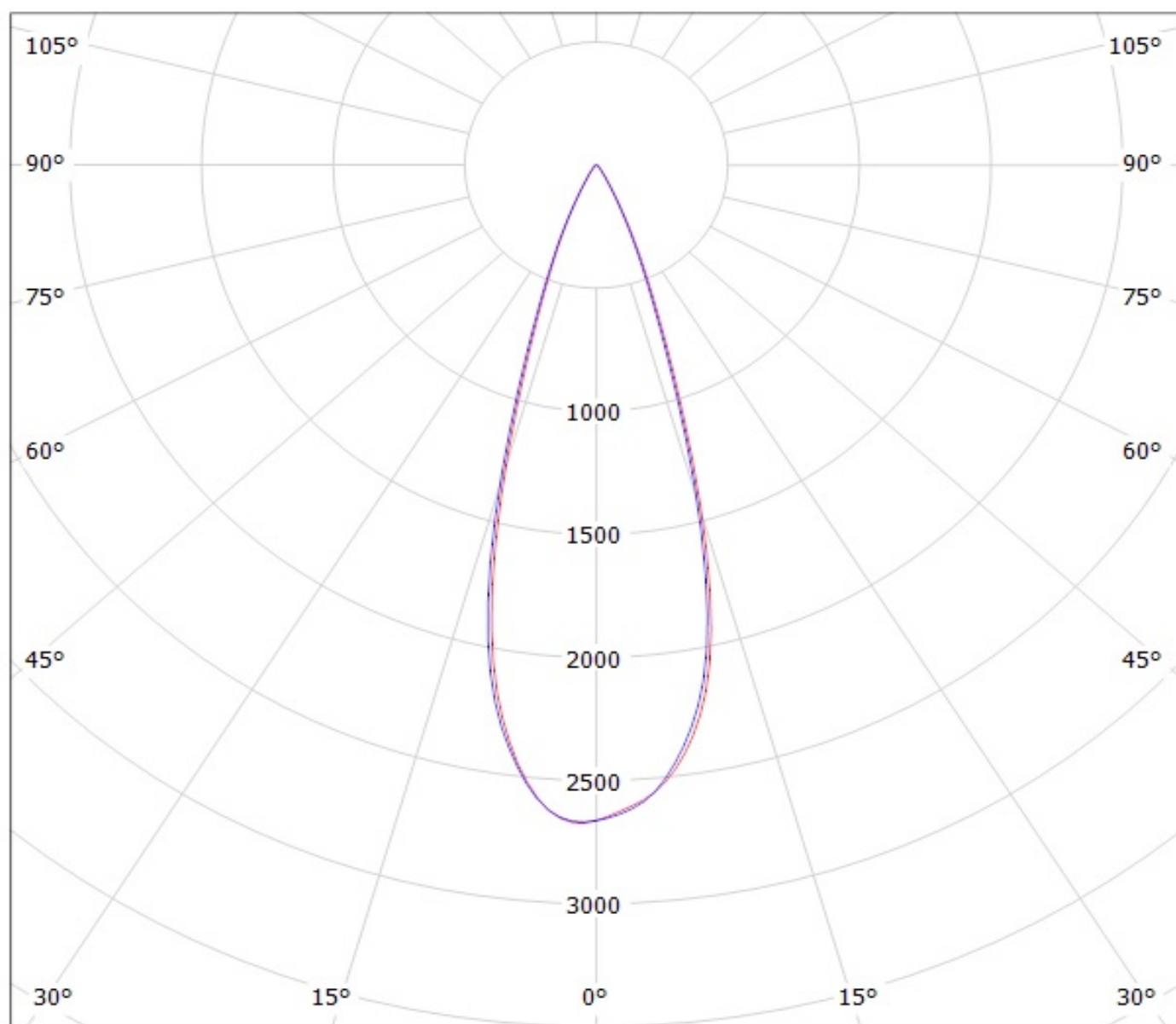
cd/klm

$\eta = 91\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Luxeon_MZ)

Lamps: 1 x Philips_Lumileds_Luxeon_MZ_386.758lm@250mA_P=2.77489W_I=0.2499A



cd/klm

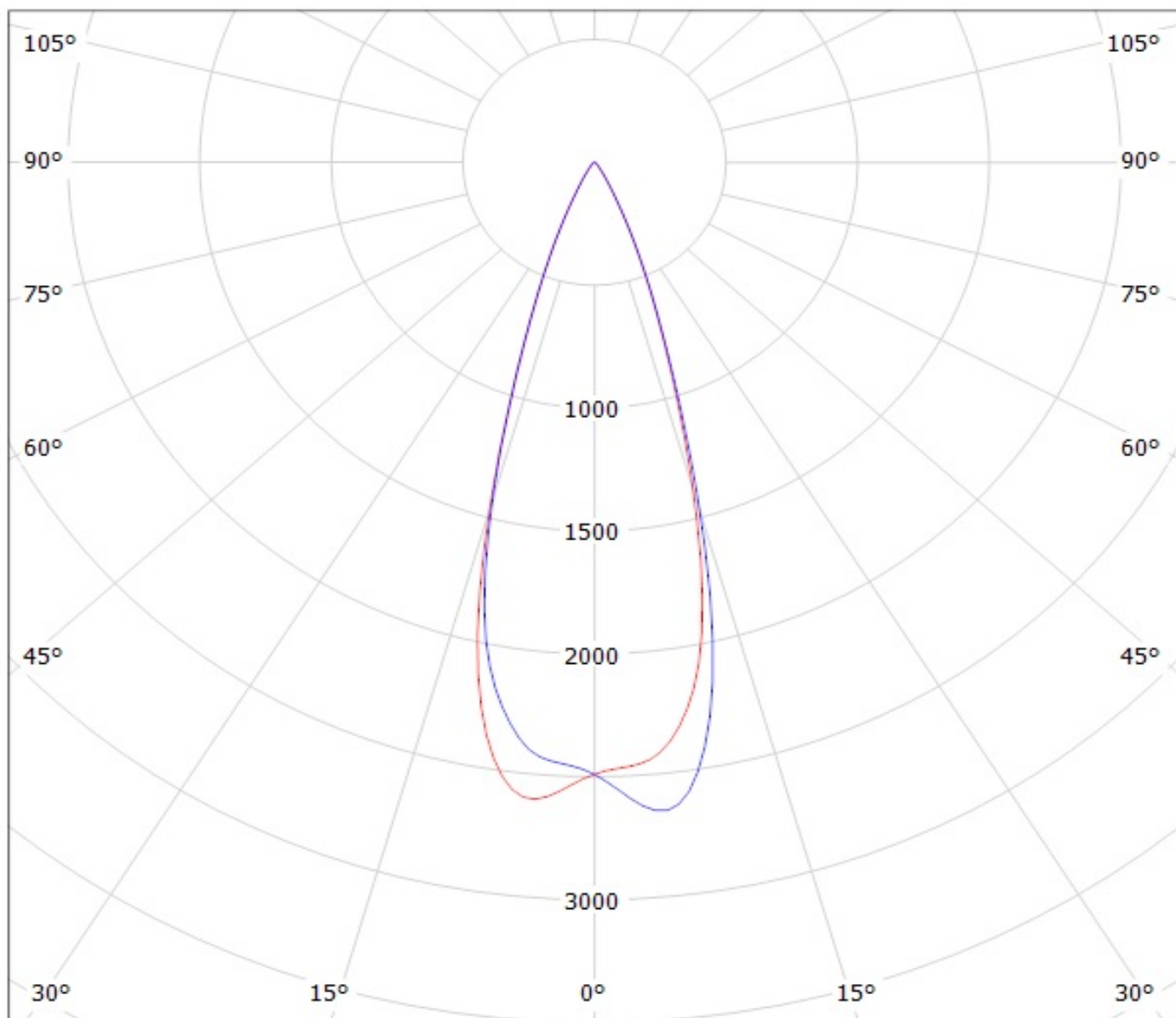
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(H35C1)

Lamps: 1 x LG_H35C1_(PKG5700K)_116.036lm@250mA_CCT=6235K_P=0.757272W_I=0.2499A



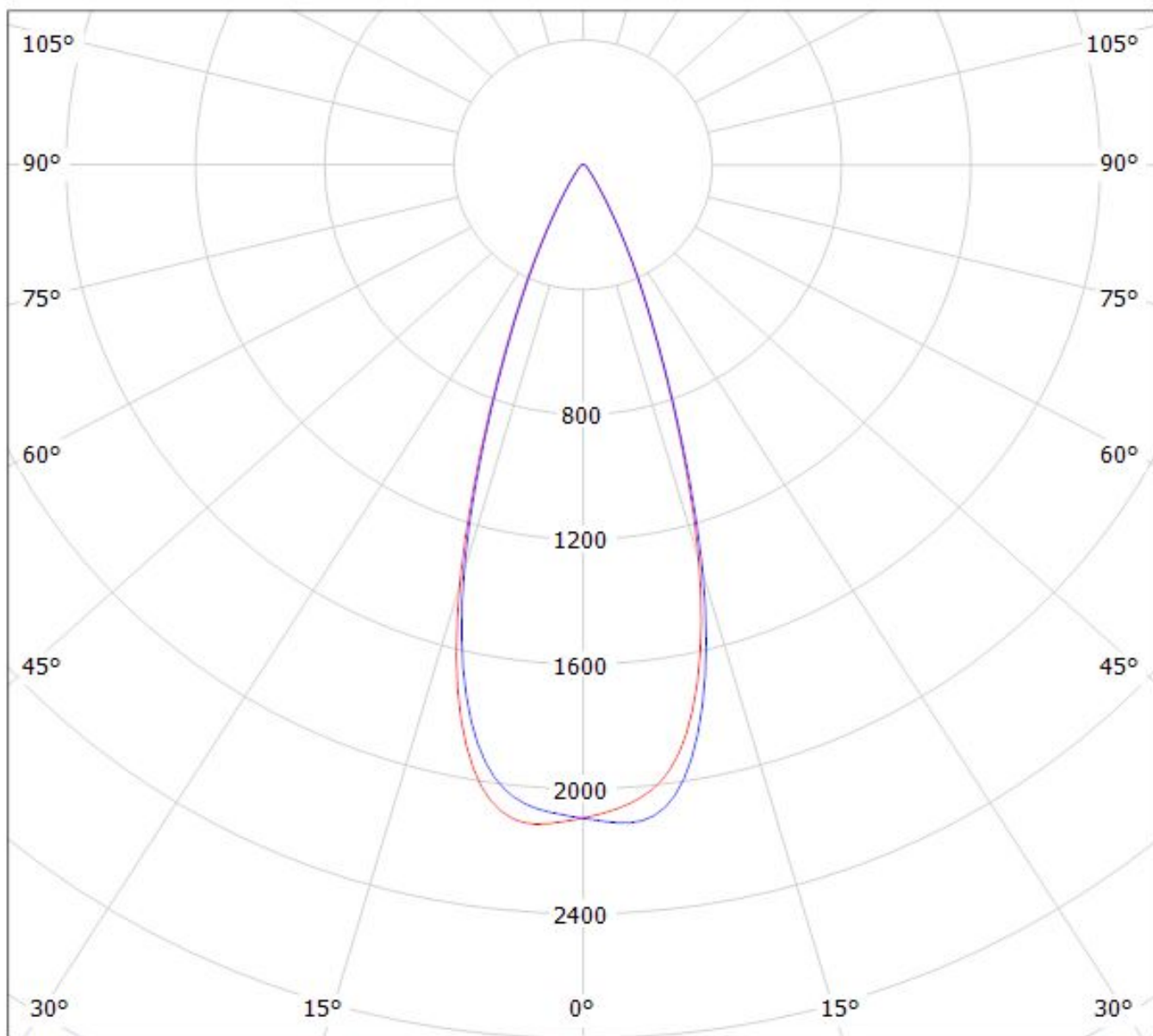
cd/klm

$\eta = 92\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(Cree_XM-L)
Lamps: 1 x Cree_XM-L_90.3992lm@250mA_P=0.735056W_I=250mA



cd/klm

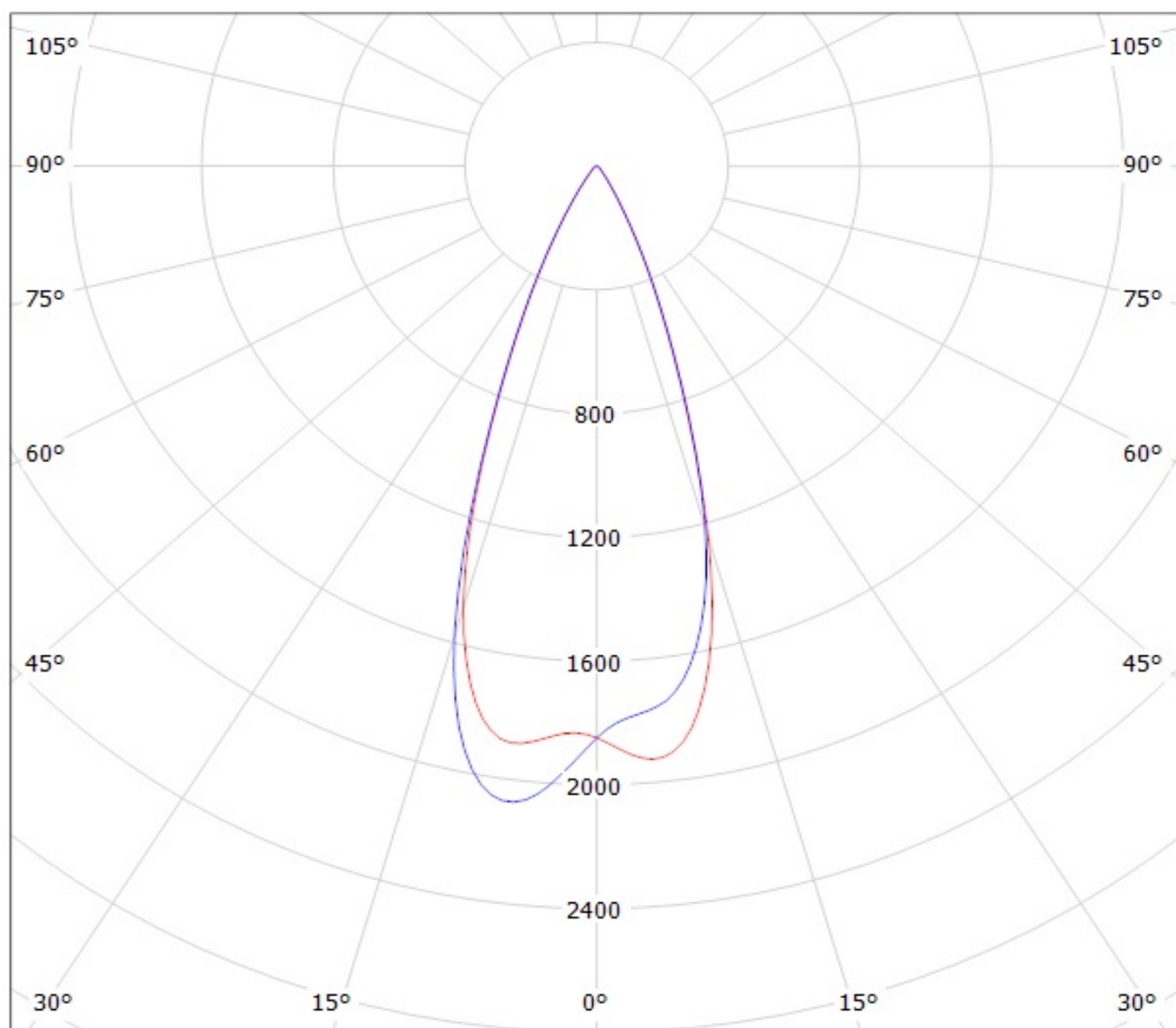
$\eta = 92\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XM-L2)

Lamps: 1 x Cree_XM-L2_(XMLBWT-0-7B4-T30-0L-0001)_95.1239lm@250mA_P=0.734831W_I=0.2499A



cd/klm

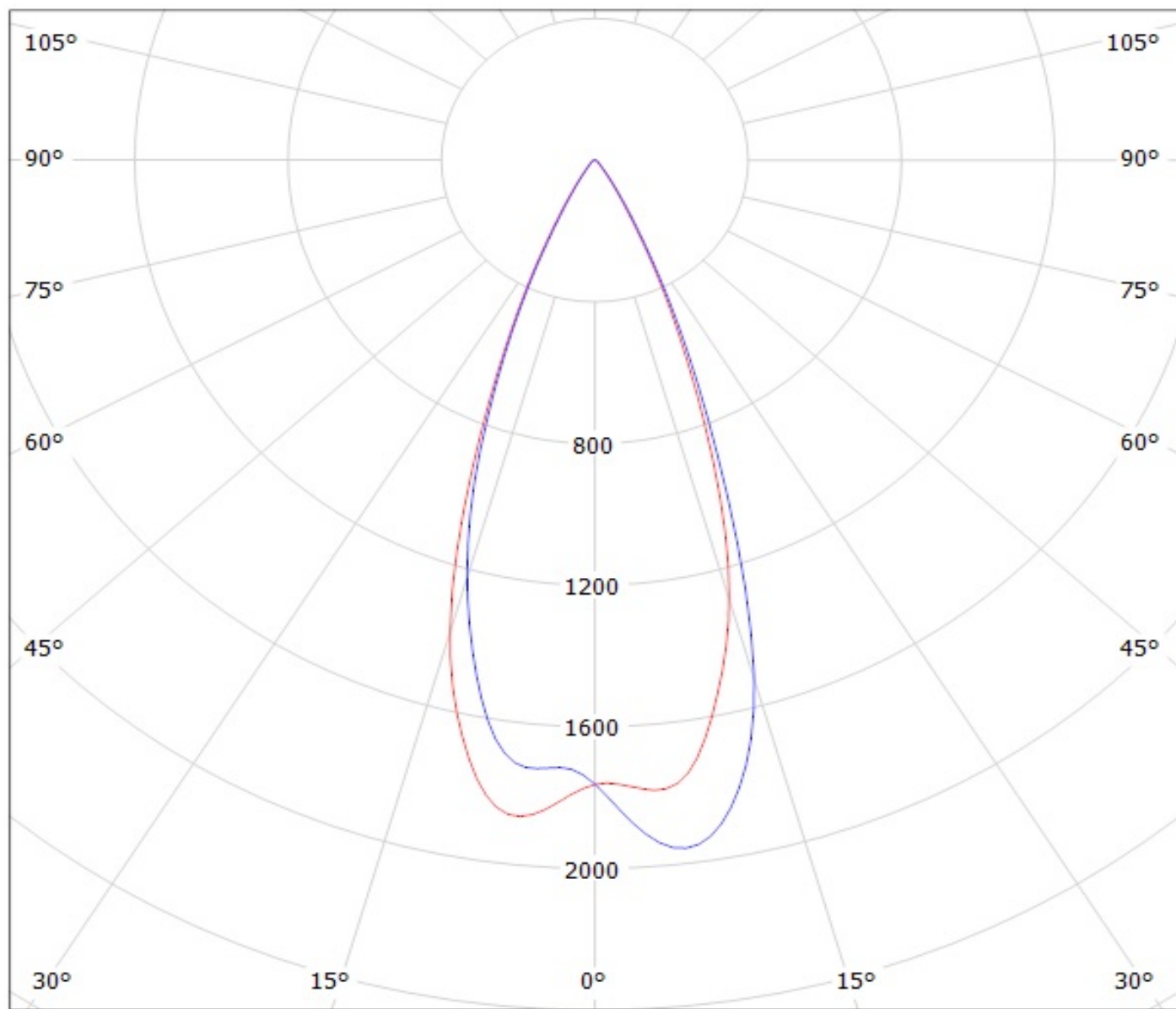
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CA14461_VERONICA-SQ-M_(XP-L)

Lamps: 1 x Cree_XP-L_(XPLAWT-0-7A3-U50-0H-0001)_102.988lm@250mA_P=0.724035W_I=0.2499A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

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.