

DETAILS

Product Number	C13870_VANESSA-B-W
Family	Vanessa
Type	Lens
Color	clear
Diameter	295x16 mm
Height	8 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	31/01/2017



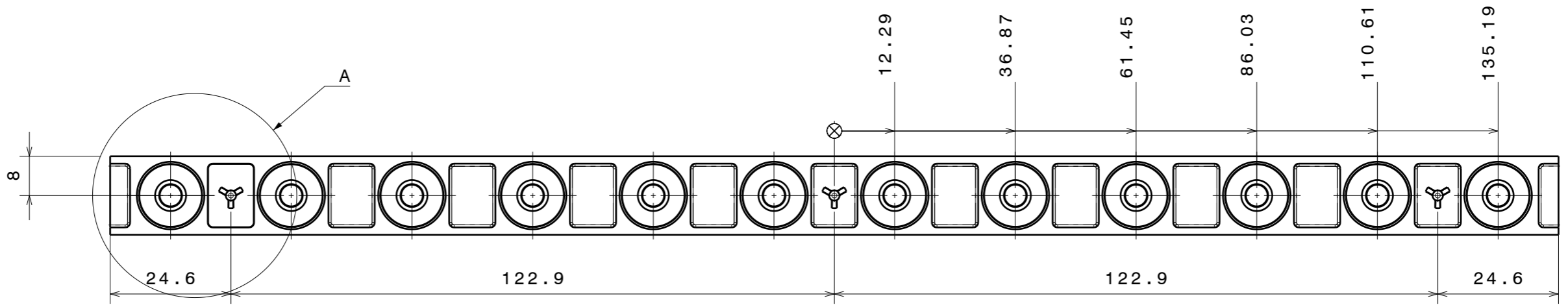
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-E	38 deg	Medium	92 %	1.730	-
XP-G	40 deg	Medium	90 %	1.500	-
XP-G2	39 deg	Medium	92 %	1.600	-
XT-E	35 deg	Medium	92 %	1.780	-
XB-D	sim: 39	Medium	sim: 92 %	sim: 1.910	-
LUXEON Rebel ES	36 deg	Medium	93 %	1.730	-

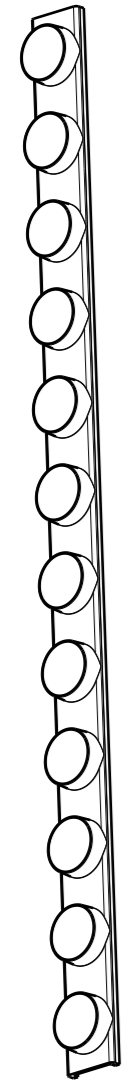
H G F E D C B A

4

4

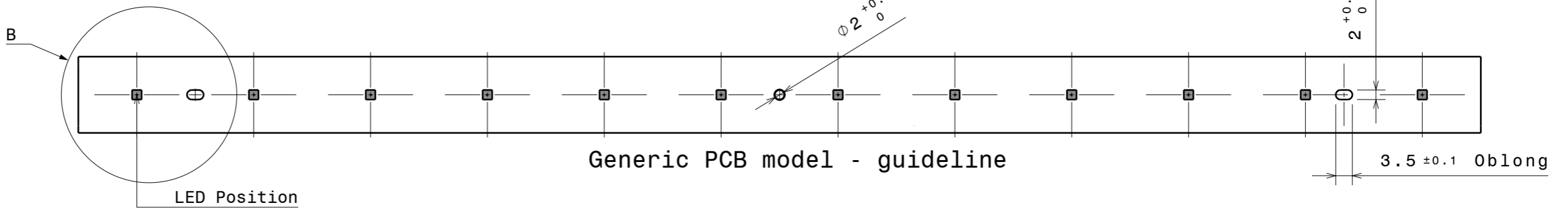
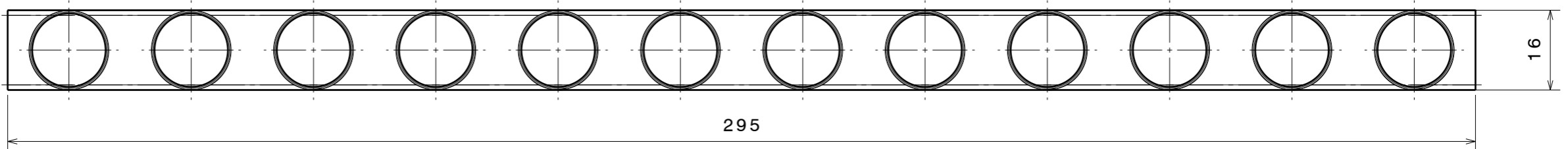
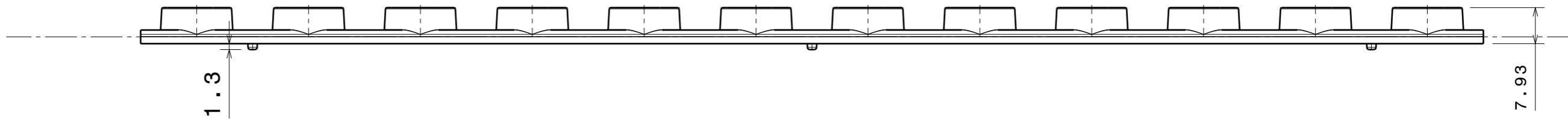


Isometric view
Scale: 1:2



3

3



Generic PCB model - guideline

LED Position

2

2

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	Datasheet	VANESSA	PMMA	Clear



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

Tolerances if not otherwise shown
Linear measures: class C
according to DIN ISO 2768-1
Form and position: class L
according to DIN ISO 2768-2

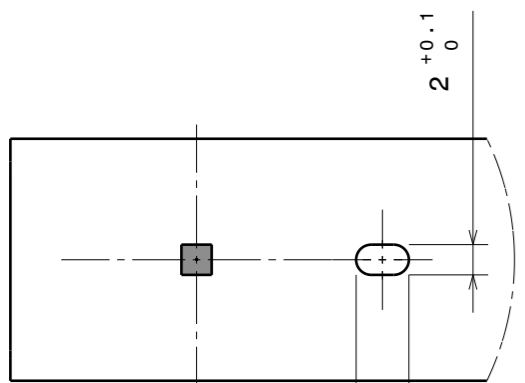
THIRD ANGLE PROJECTION:

DRAWING TITLE
Datasheet_VANESSA

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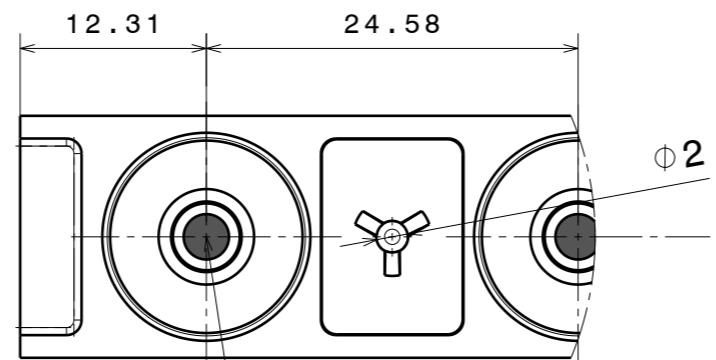
SIZE PART NUMBER
A3 -

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



Detail B
Scale: 2:1

3.5 ± 0.1 Oblong



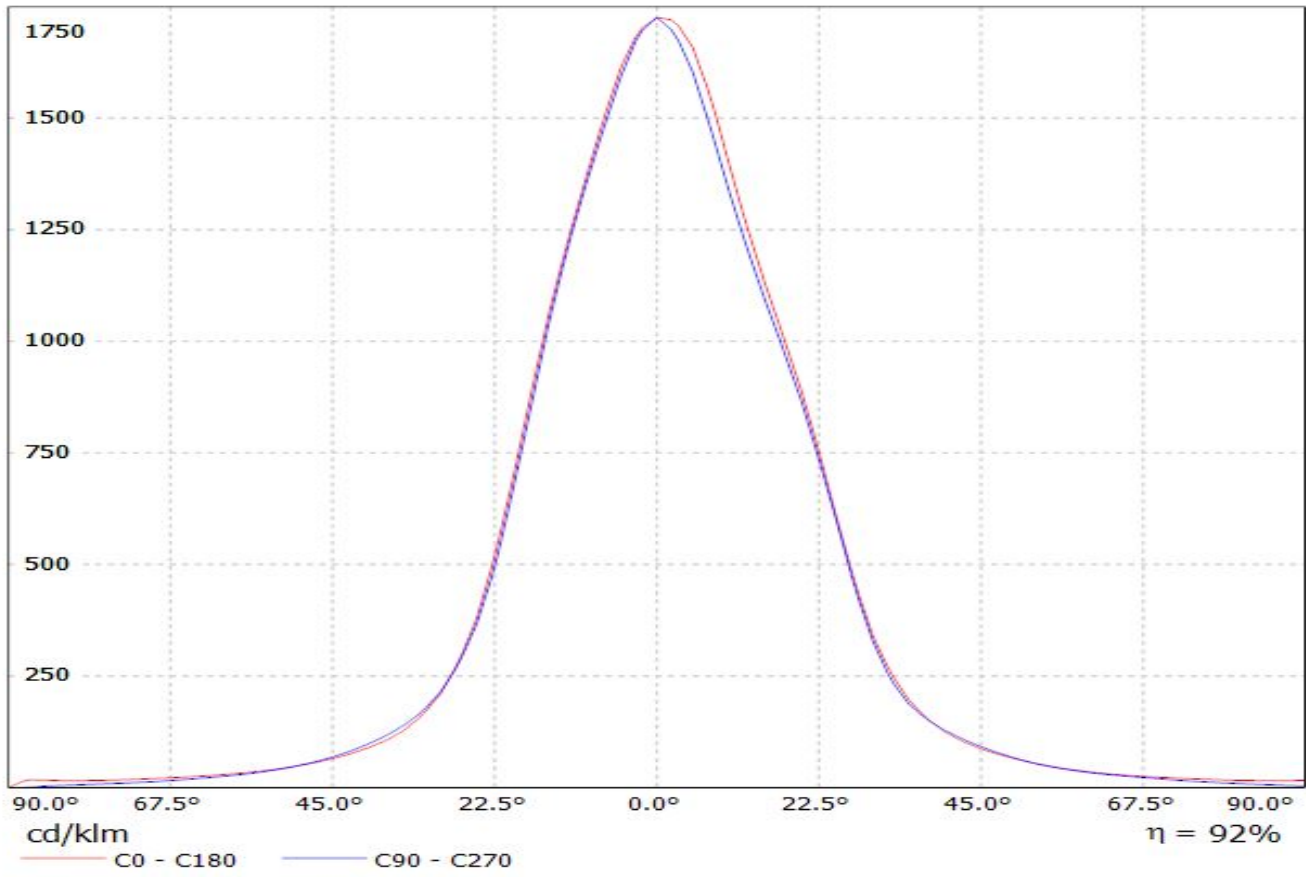
LED position
Detail A
Scale: 2:1

1

1

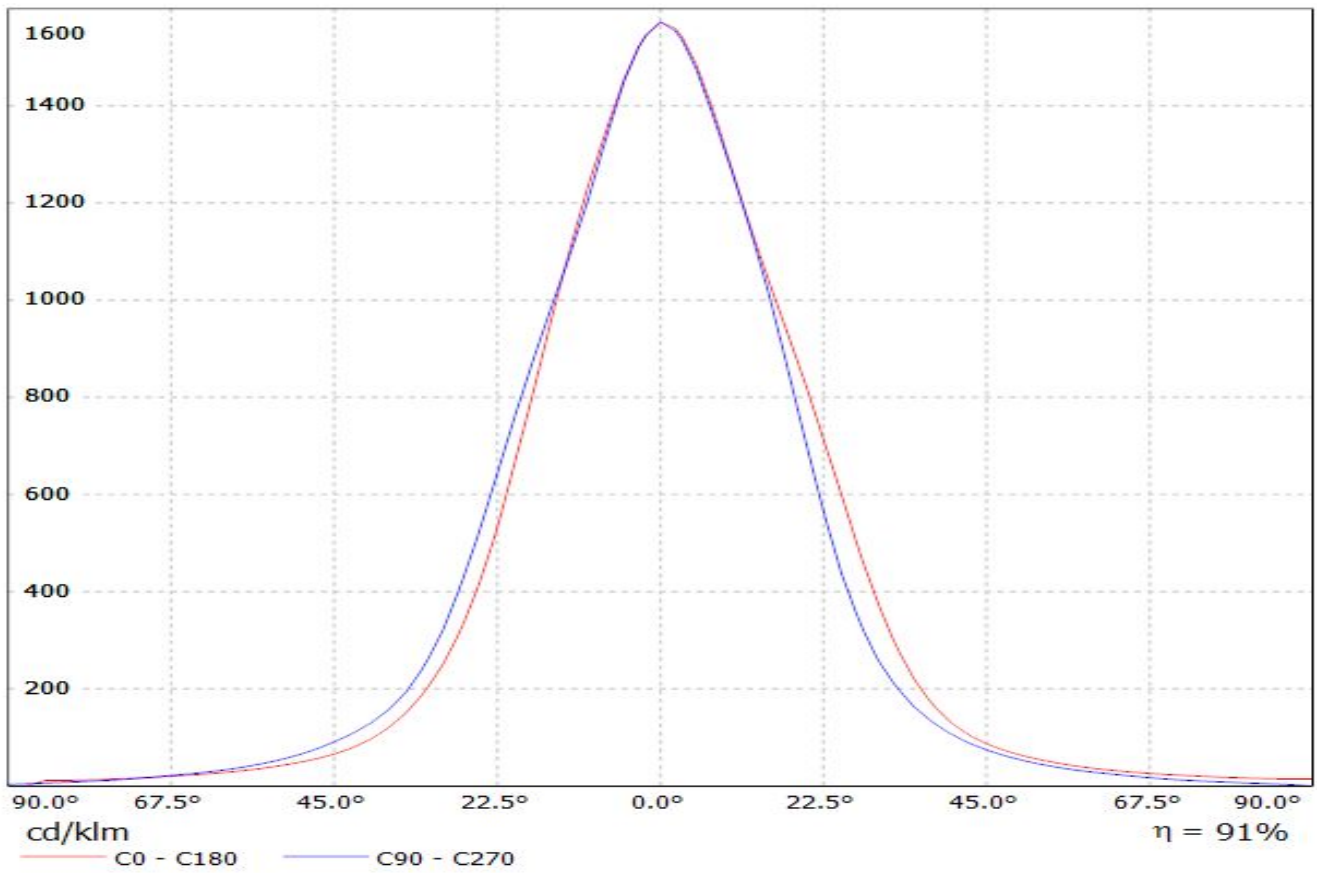
H G B A

Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-E)
Lamps: 1 x CREE_XP-E_12x1 910lm@250mA

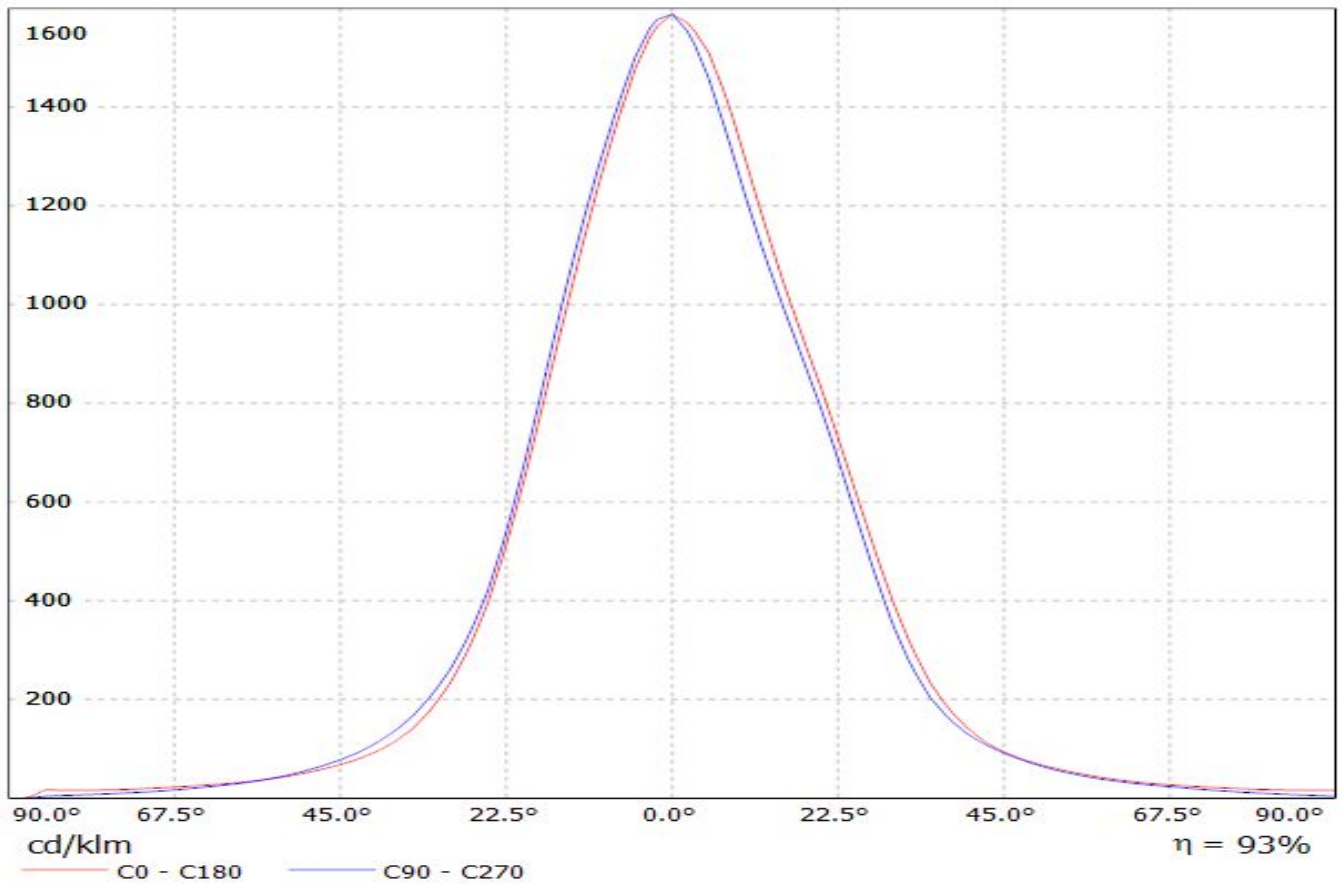


Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-G)

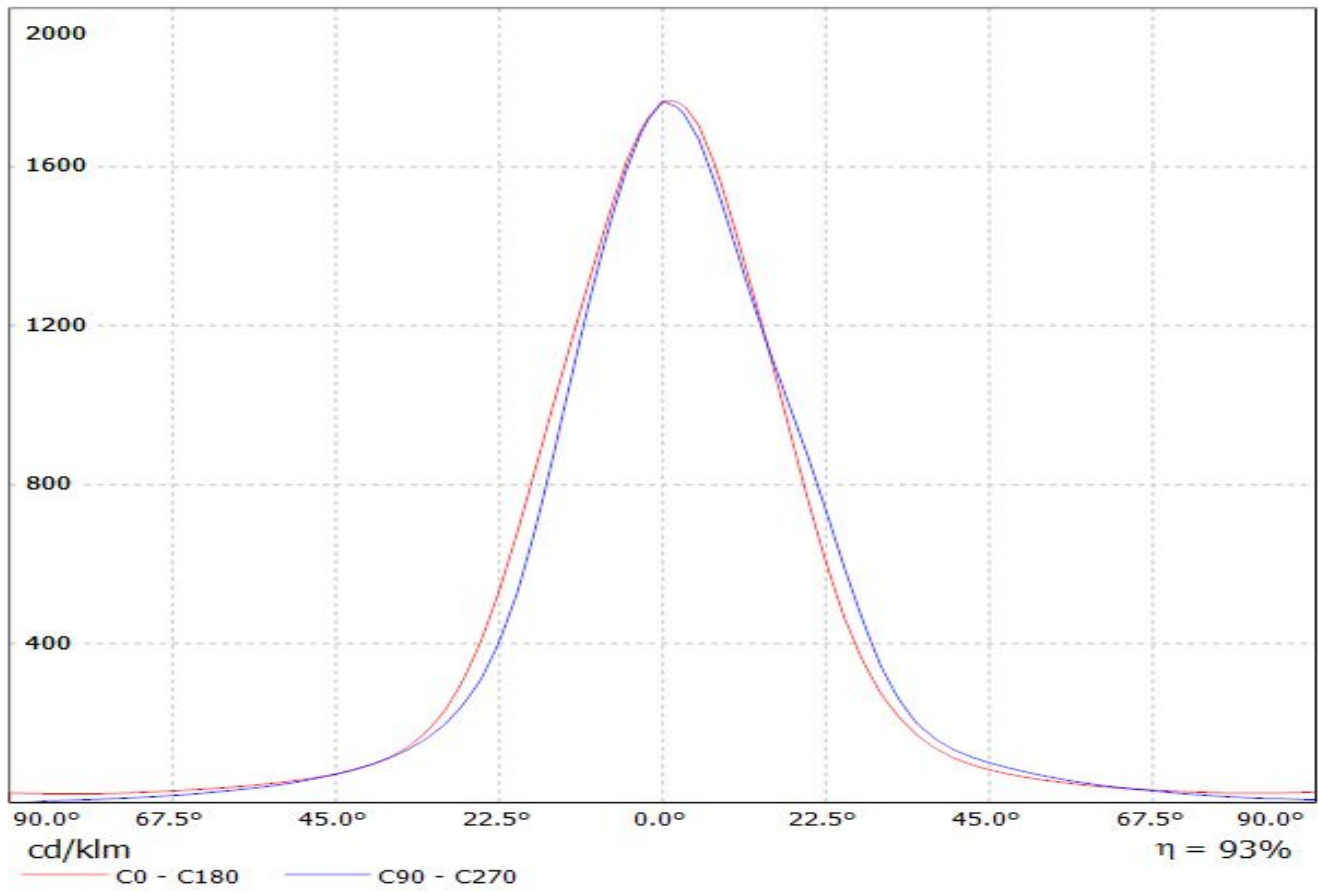
Lamps: 1 x CREE_XP-G_(XPGWHT-L1-4C0-R5-0-09)_1113.14lm@250mA_P=8.48621W_I=249.8mA



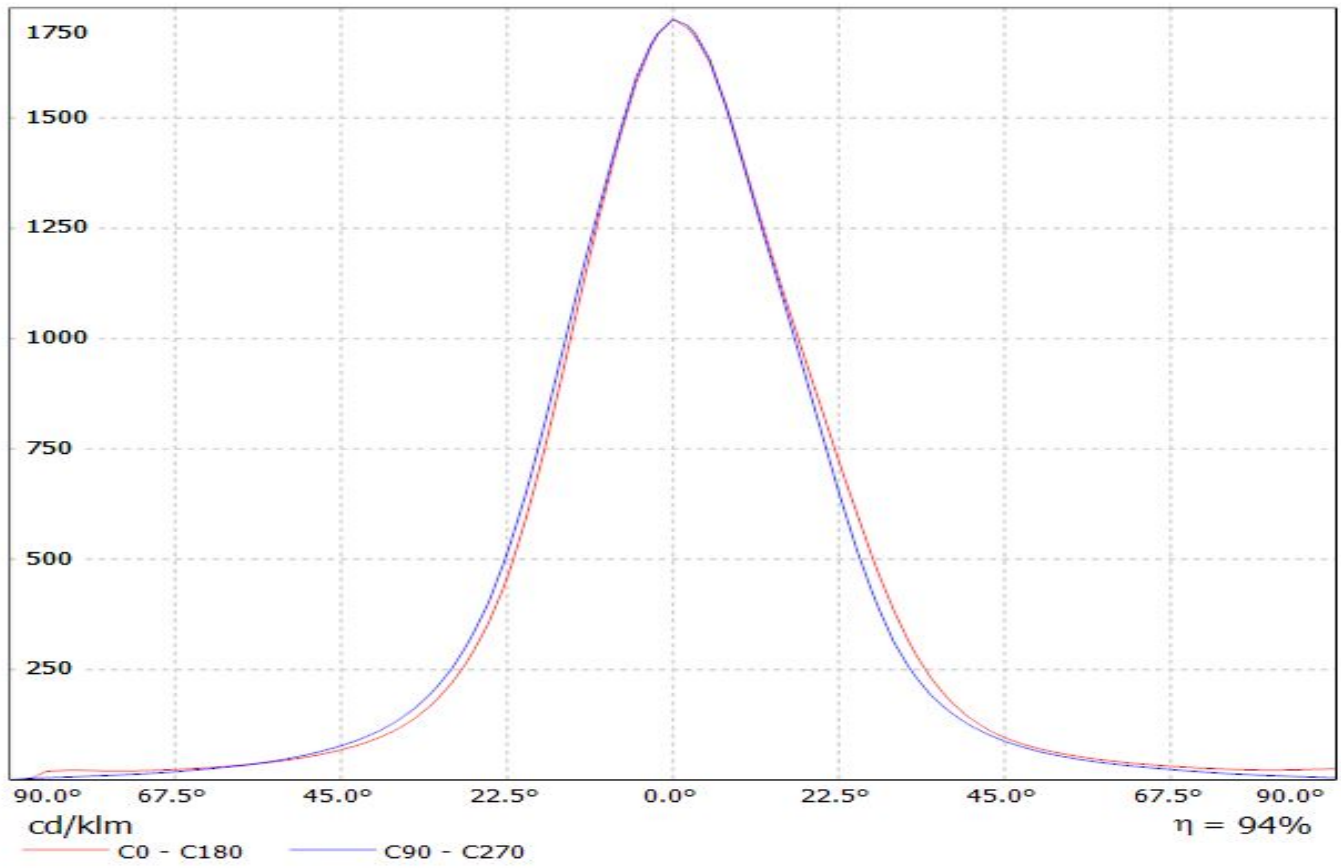
Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-G2)
Lamps: 1 x CREE_XP-G2_12x1_1174.06@250mA_P=8.65107_I=249.8mA



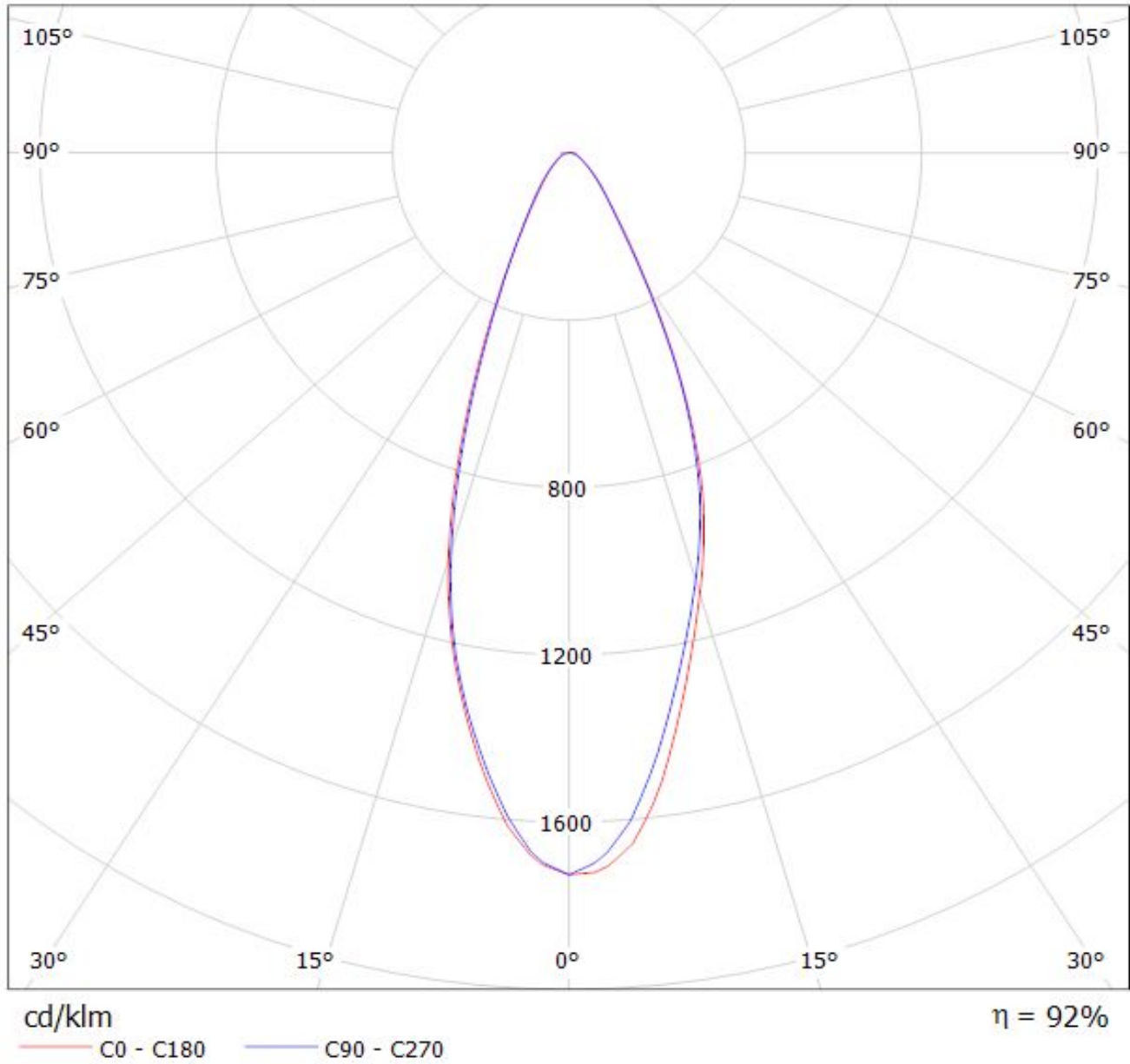
Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XT-E)
Lamps: 1 x CREE_XT-E_12x1_1556lm@250mA_P=8.48621W_I=249.8mA



Luminaire: LEDiL Oy C13870_VANESSA-B-W_(REBEL-ES)
Lamps: 1 x REBEL-ES_12x1_811@250mA_P=9.07798W_I=249.8mA

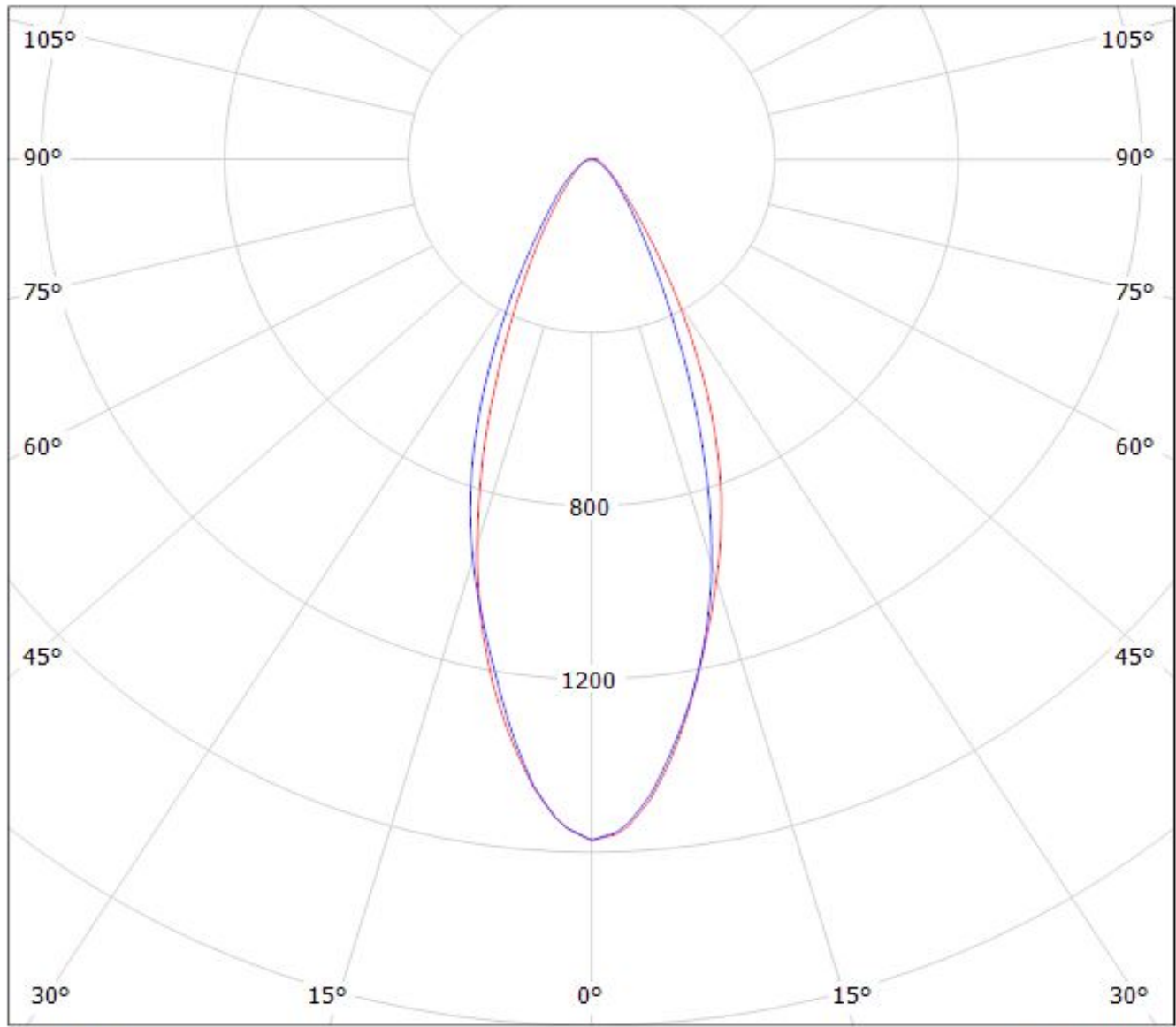


Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-E)
Lamps: 1 x CREE_XP-E_12x1 910lm@250mA



Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-G)

Lamps: 1 x CREE_XP-G_(XPGWHT-L1-4C0-R5-0-09)_1113.14lm@250mA_P=8.48621W_I=249.8mA



cd/klm

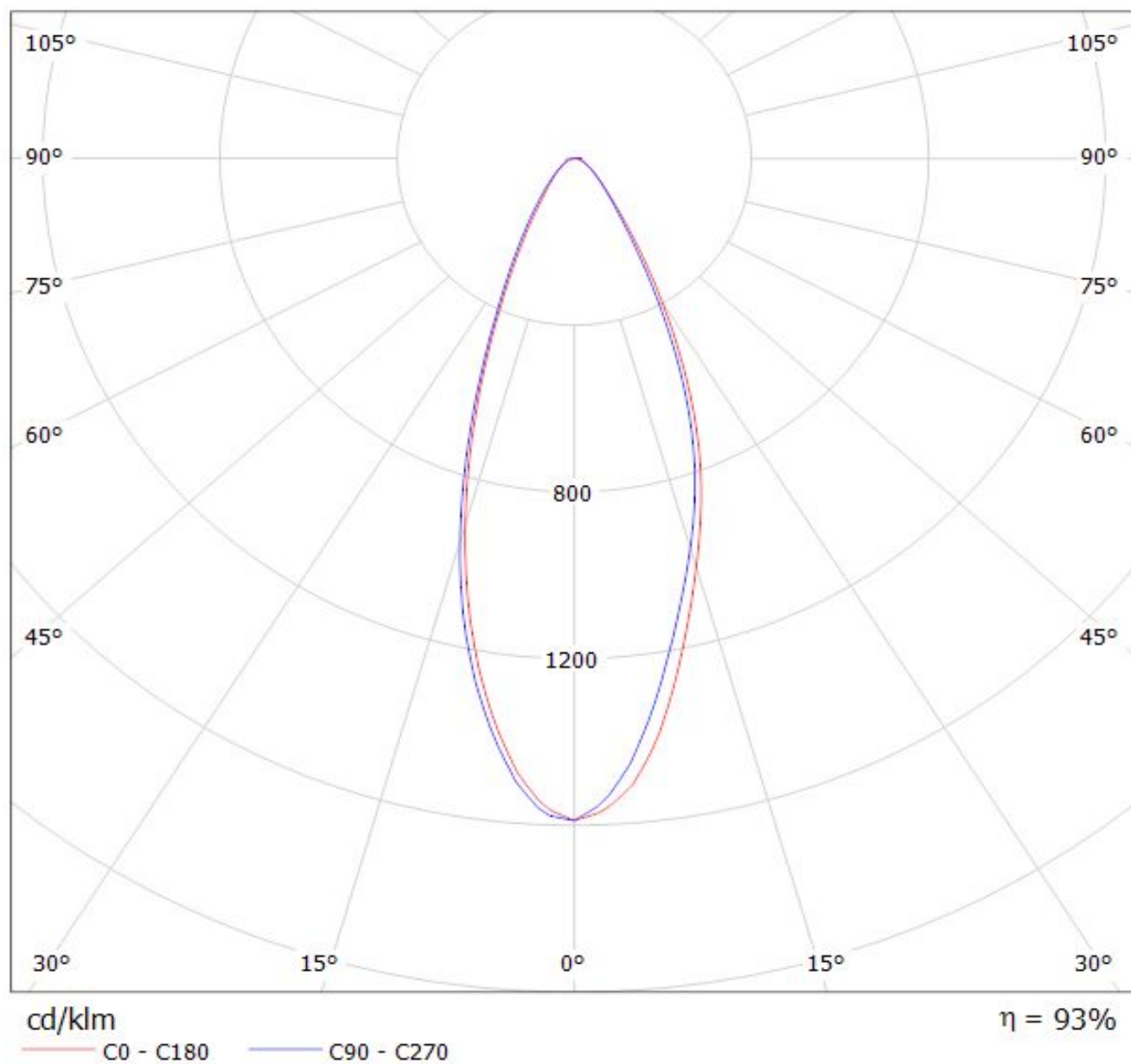
— C0 - C180

— C90 - C270

$\eta = 91\%$

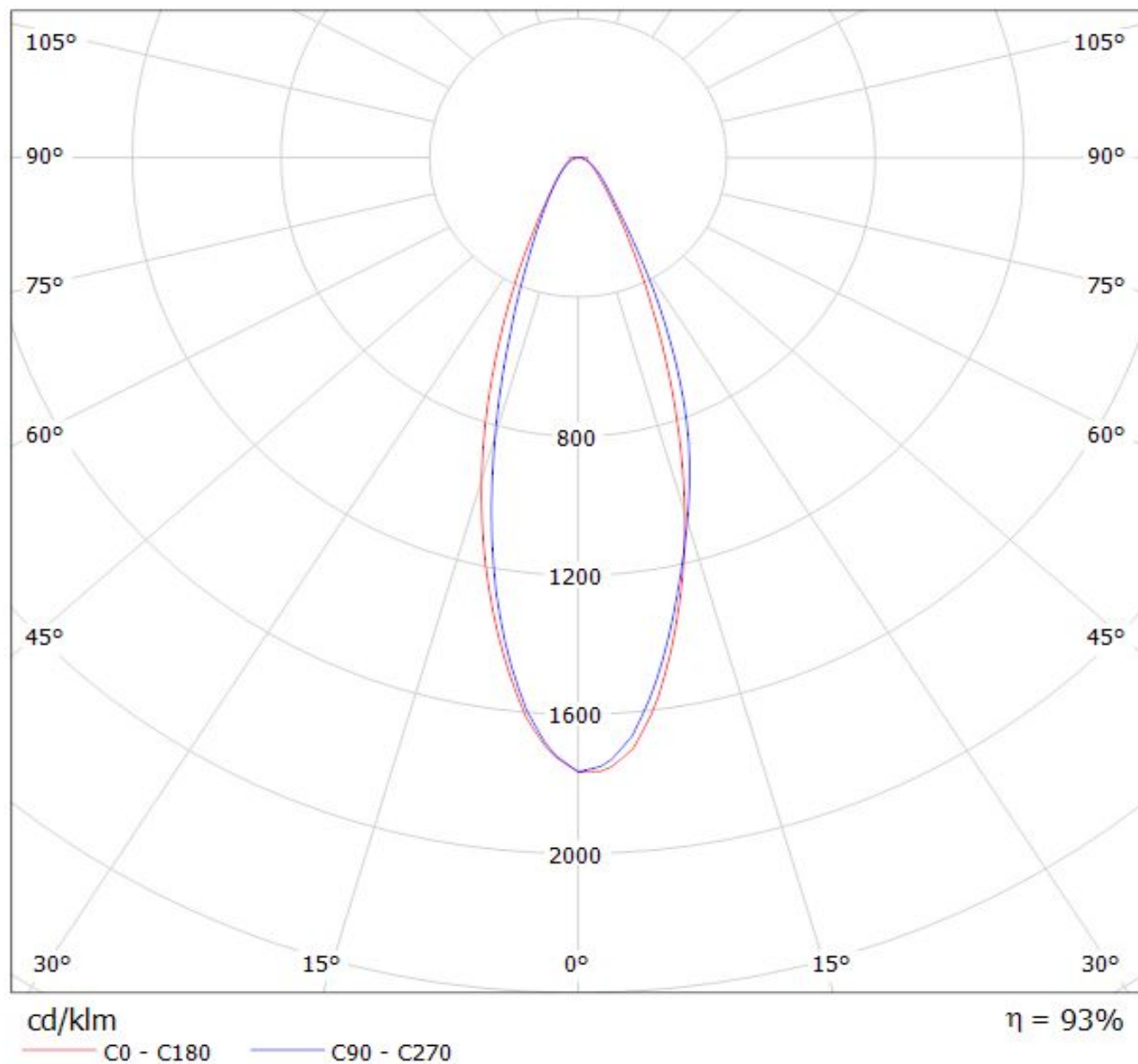
Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XP-G2)

Lamps: 1 x CREE_XP-G2_12x1_1174.06@250mA_P=8.65107_I=249.8mA

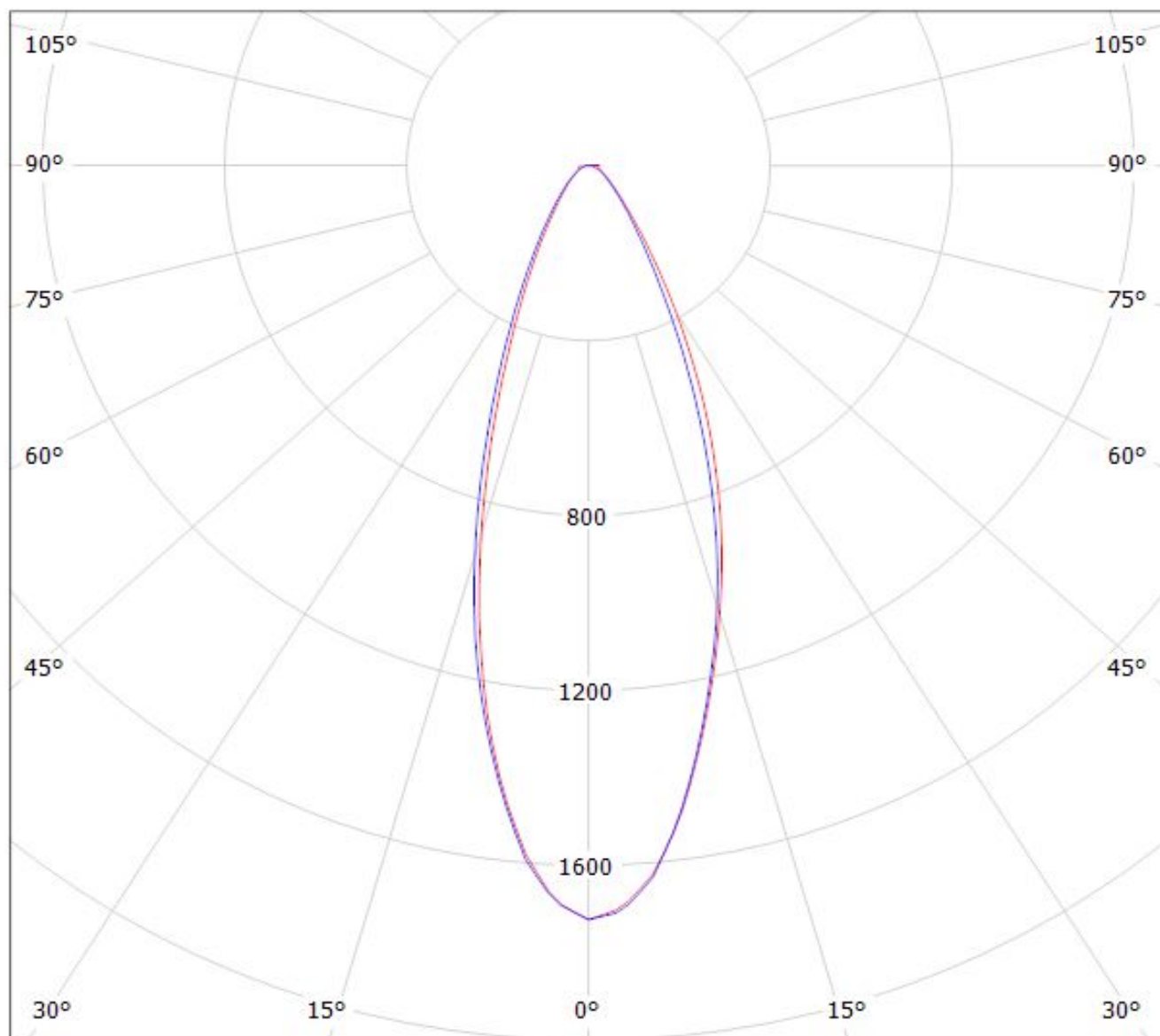


Luminaire: LEDiL Oy C13870_VANESSA-B-W_(XT-E)

Lamps: 1 x CREE_XT-E_12x1_1556lm@250mA_P=8.48621W_I=249.8mA



Luminaire: LEDiL Oy C13870_VANESSA-B-W_(REBEL-ES)
Lamps: 1 x REBEL-ES_12x1_811@250mA_P=9.07798W_I=249.8mA



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.