

DETAILS

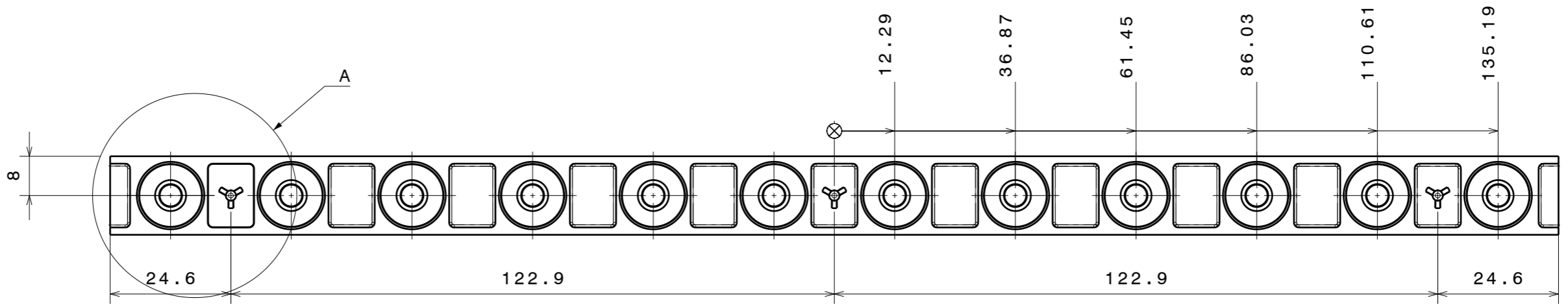
Product Number	C13869_VANESSA-B-S
Family	Vanessa
Type	Lens
Color	clear
Diameter	295x16 mm
Height	8 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	31/01/2017



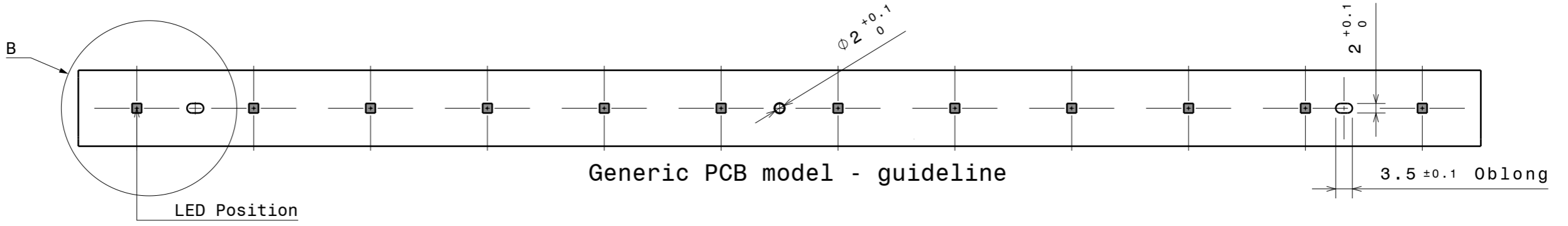
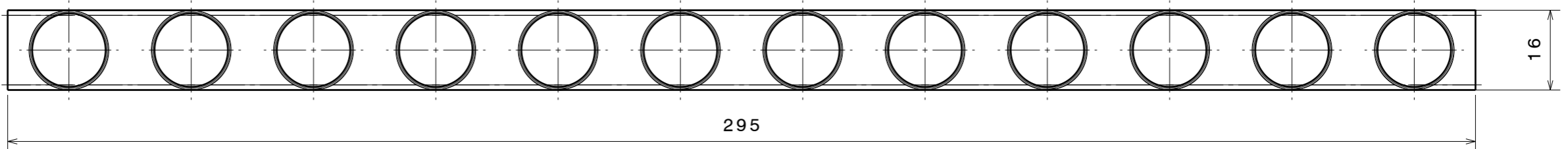
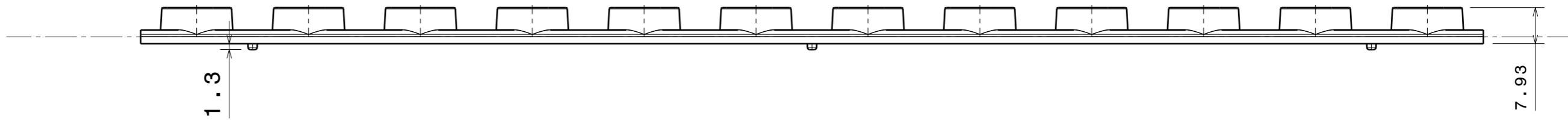
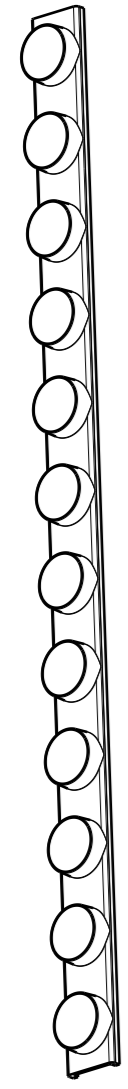
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-G	19 deg	Spot	94 %	4.019	-
XP-E	17 deg	Spot	94 %	4.923	-
XP-G2	19 deg	Spot	94 %	3.938	-
XT-E	19 deg	Spot	94 %	4.008	-
XB-D	sim: 20	Spot	sim: 92 %	sim: 4.520	-
XP-E2	18 deg	Spot	88 %	4.670	-
LUXEON Rebel ES	19 deg	Spot	94 %	3.827	-
NVSxx19B/NVSxx19C	sim: 21	Spot	sim: 92 %	sim: 3.800	-
Oslon Square EC	17 deg	Spot	94 %	4.180	-
Duris S5 (Single chip)	sim: 16	Spot	sim: 94 %	sim: 6.900	-

H G F E D C B A



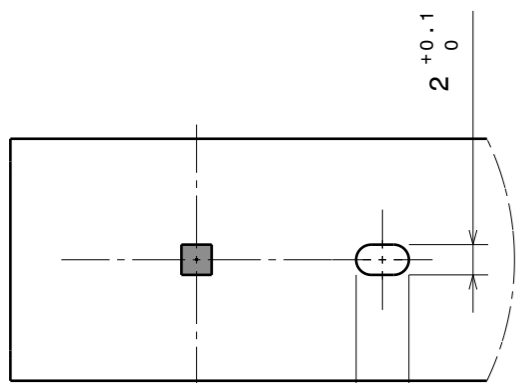
Isometric view
Scale: 1:2



Generic PCB model - guideline

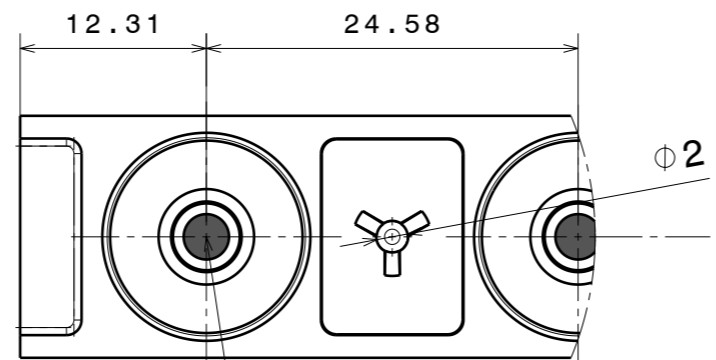
LED Position

3.5 ± 0.1 Oblong



Detail B
Scale: 2:1

3.5 ± 0.1 Oblong



Detail A
Scale: 2:1

LED position

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:

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	Datasheet	VANESSA	PMMA	Clear

LEDiL LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Datasheet_VANESSA

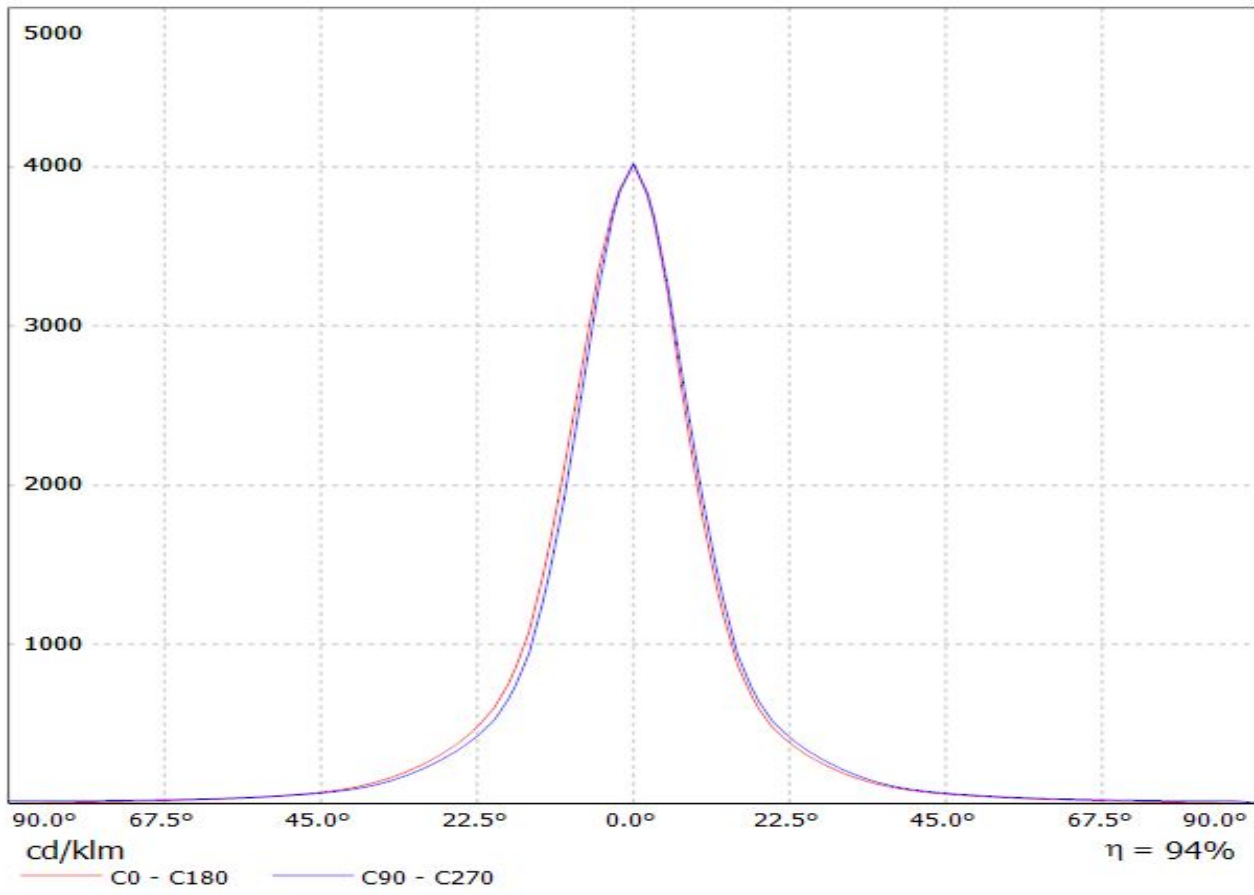
SIZE PART NUMBER
A3 -

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

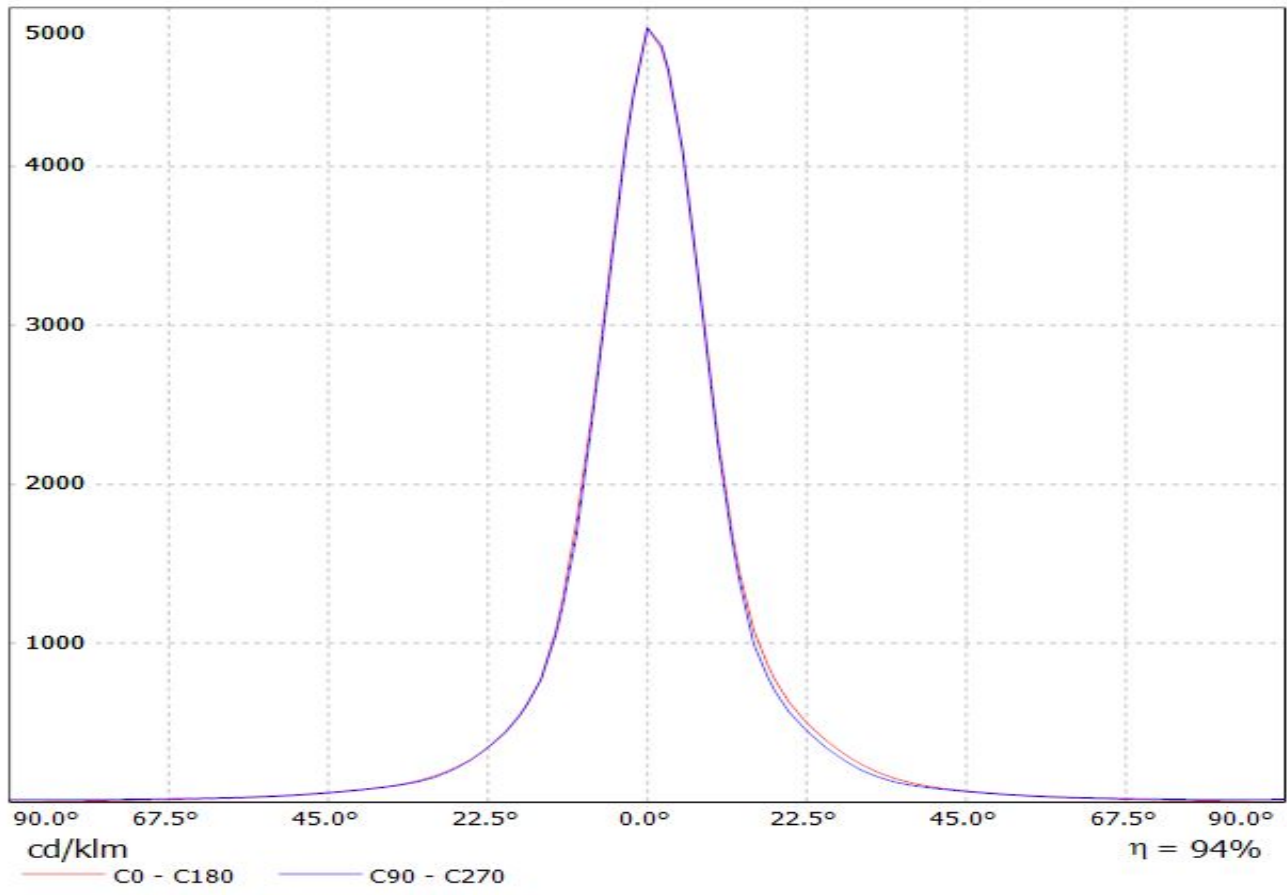
H G B A

Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-G) Eff.93.5%

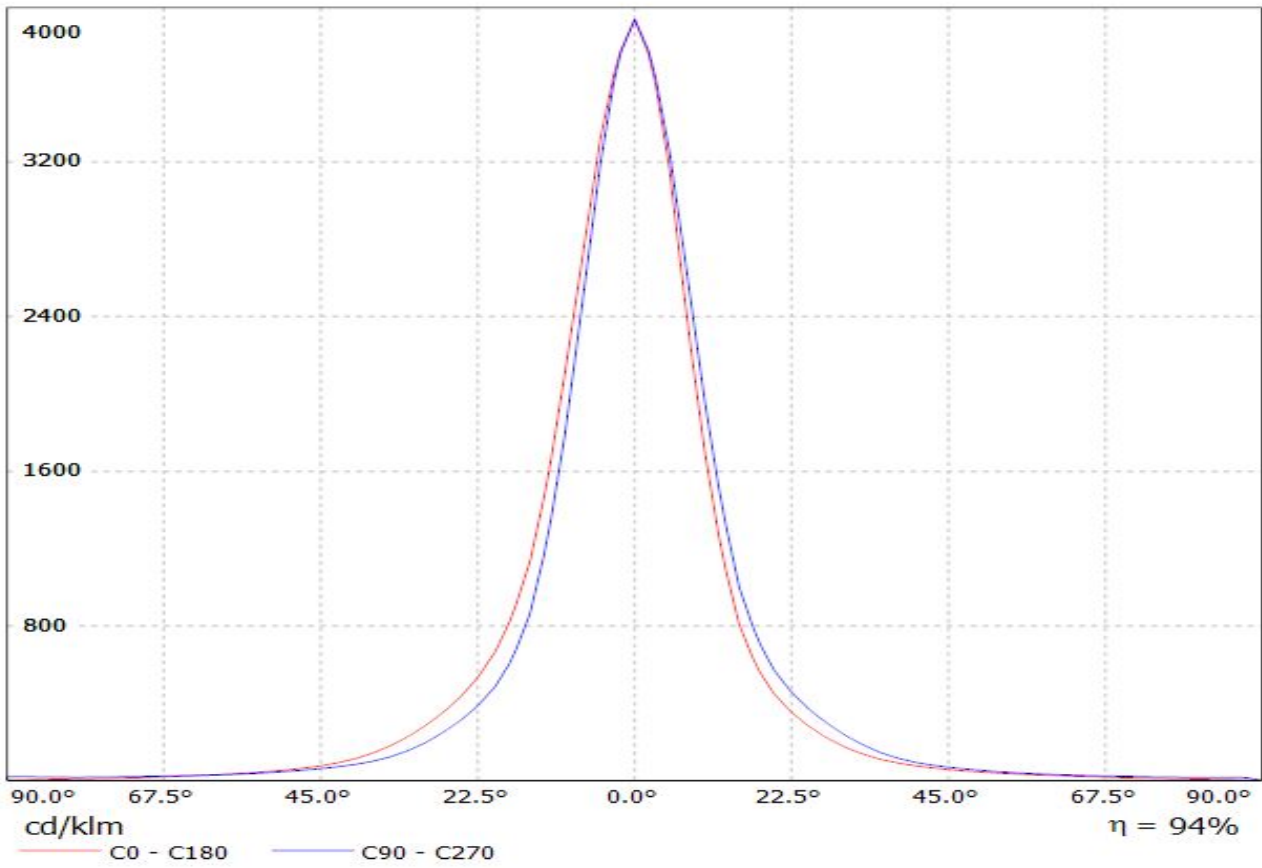
Lamps: 1 x CREE_XP-G_1x12_(XPGWHT-L1-4C0-R5-0-09)_1082.98lm@250mA_P=8.40802W_I=249.8mA



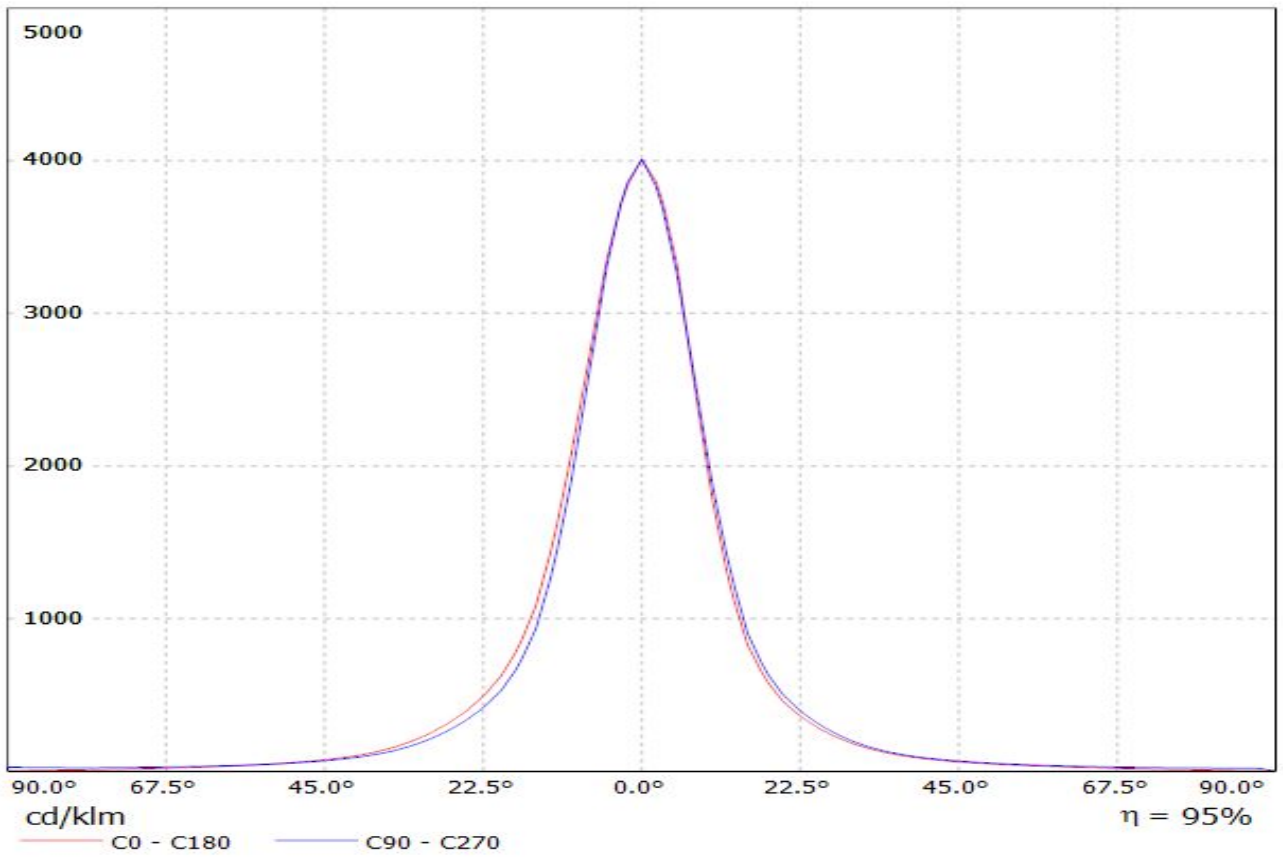
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-E)_C1 Eff.94.1%
Lamps: 1 x CREE_XP-E_1x12_909.494lm@250mA_P=9.01928W_I=249.8mA



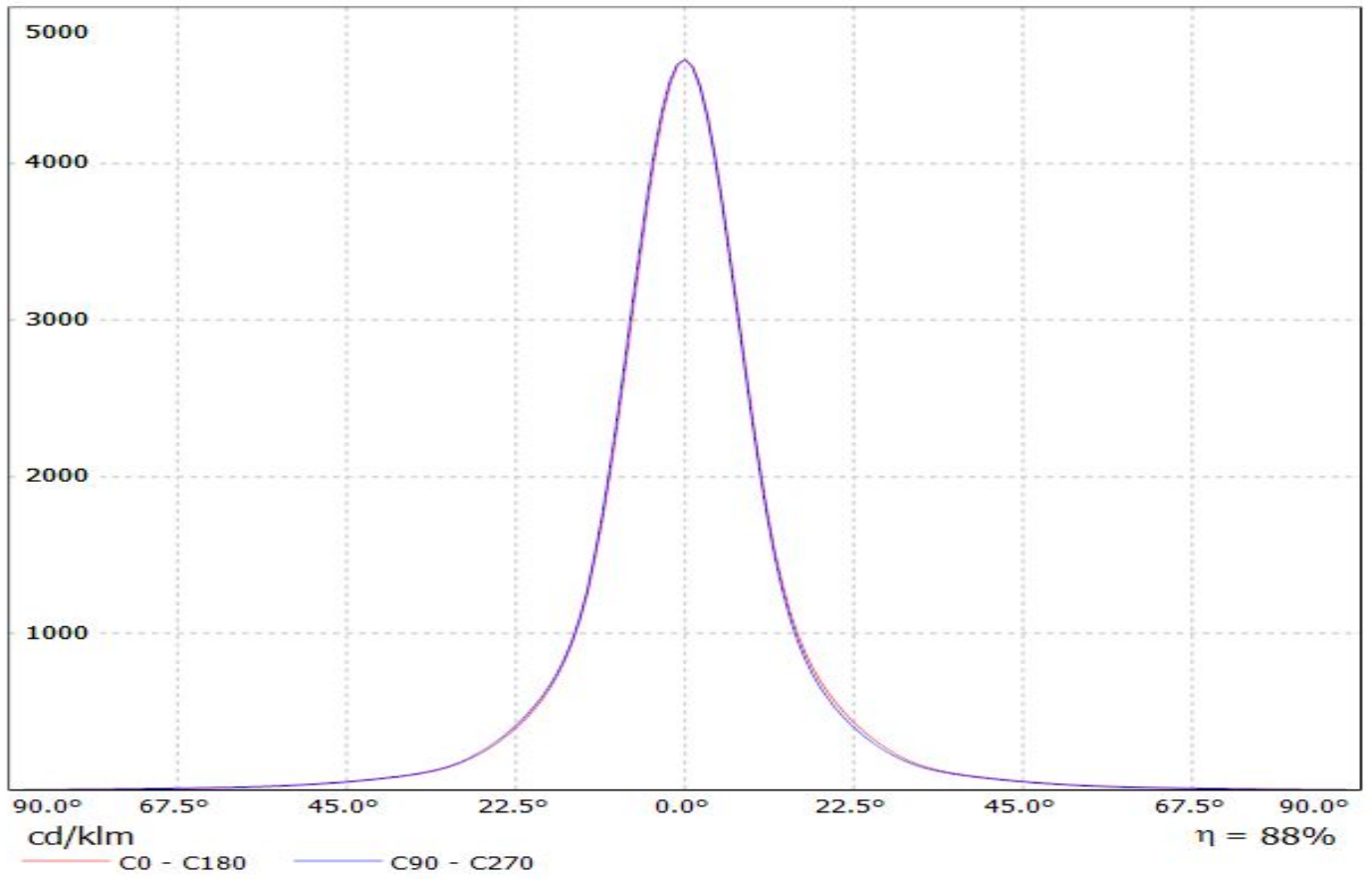
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-G2) Eff.93.8%
Lamps: 1 x CREE_XP-G2_1x12_1163.02@250mA_P=8.65107W_I=249.8mA



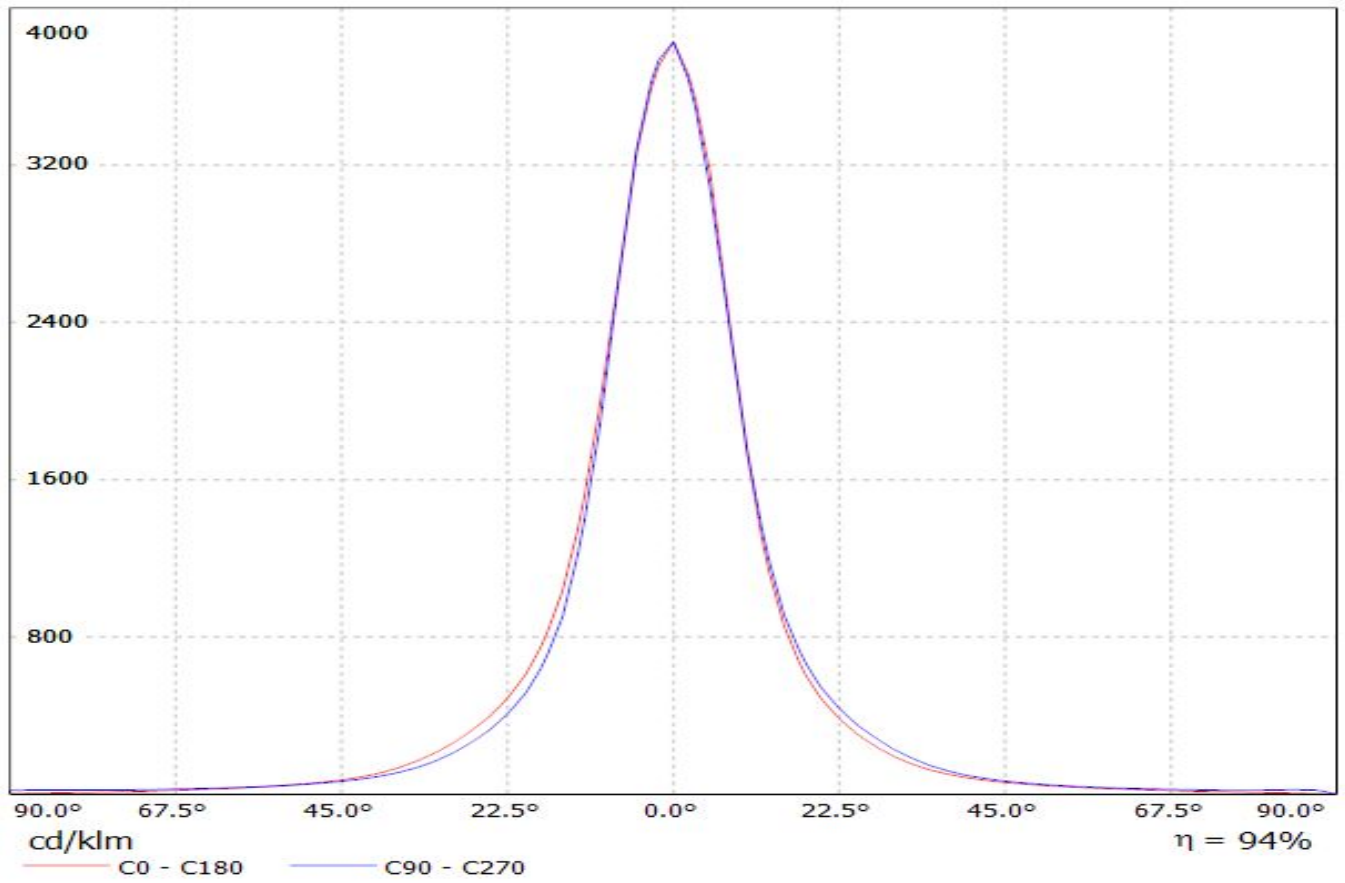
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XT-E) Eff.94.7%
Lamps: 1 x CREE_XT-E_12x1_1154.6lm@250mA_P=8.79671W_I=249.8mA



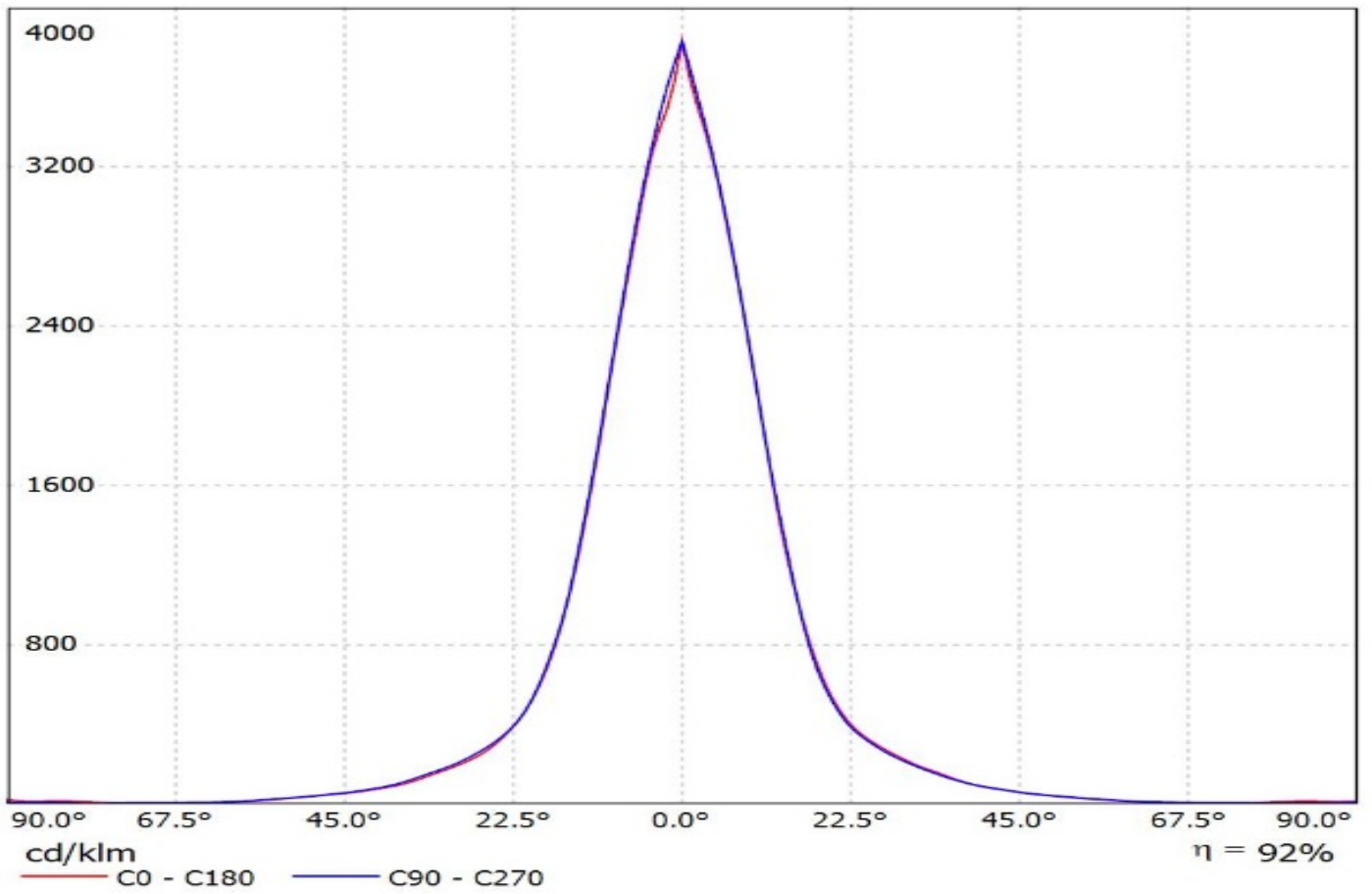
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-E2)
Lamps: 1 x XP-E2_1109.05lm@250mA_P=8.75549W_I=0.250A



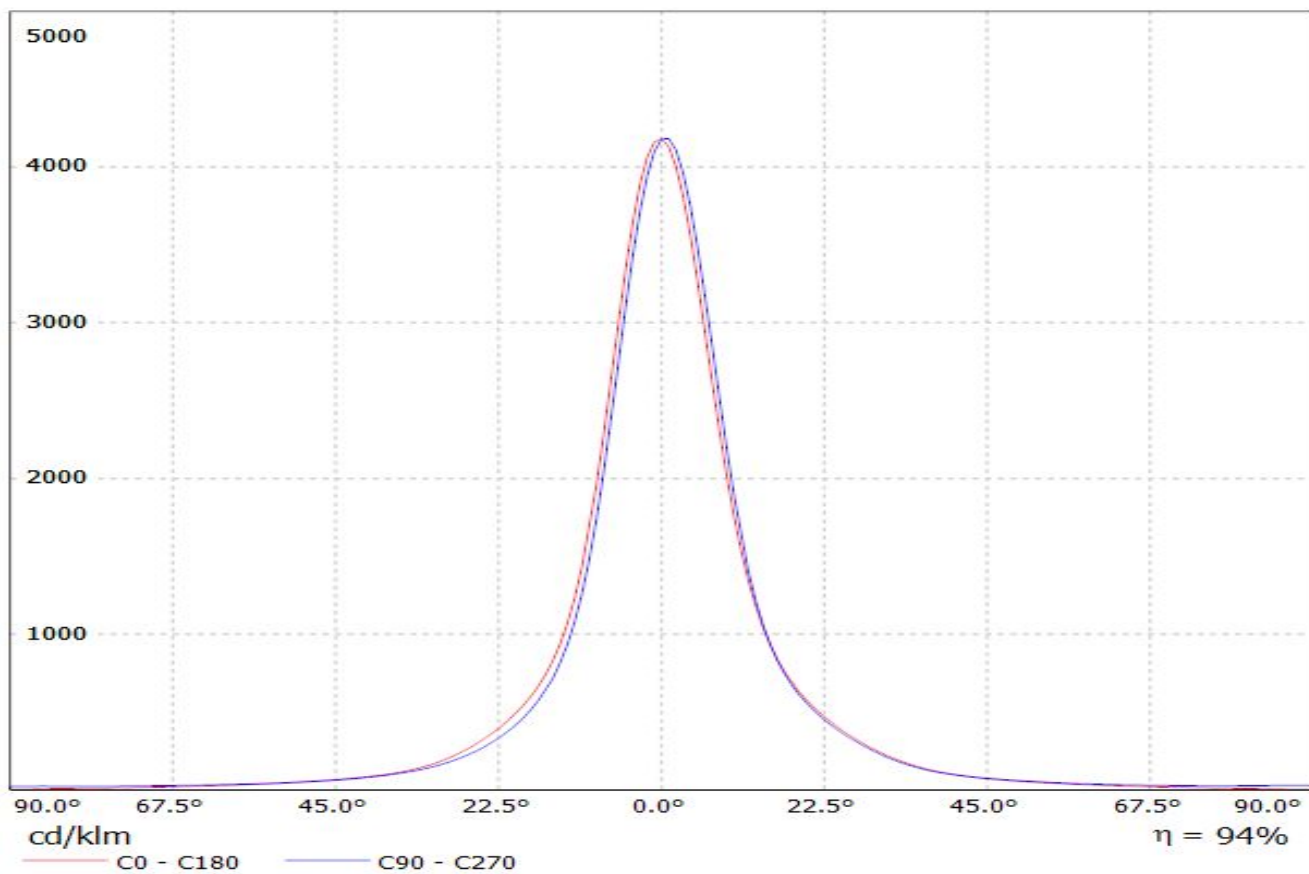
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(REBEL-ES) Eff.93.8%
Lamps: 1 x LUXEON_REBEL-ES_12x1_811.634@250mA_P=9.06474W_I=249.8mA



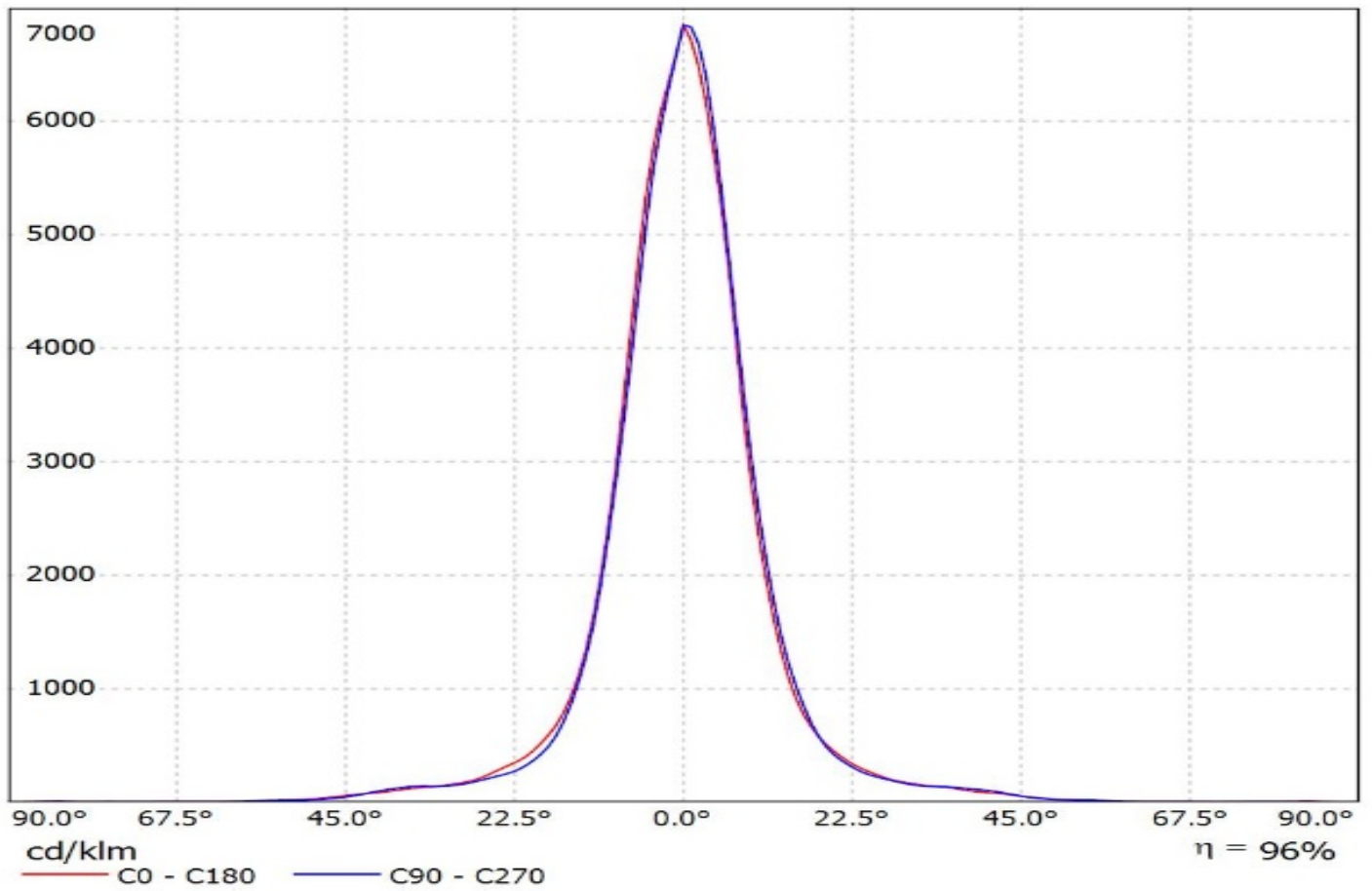
Luminaire: Ledil Oy C13869_VANESSA-B-S_(NVSxx19C)_SIMULATED
Lamps: 1 x Nichia NVSW219C



Luminaire: LEDiL Oy C13869_VANESSA-B-S_(SQ-EC)
Lamps: 1 x Osram_Square_EC_962.49lm@250mA_P=8.83543W_I=249.8mA

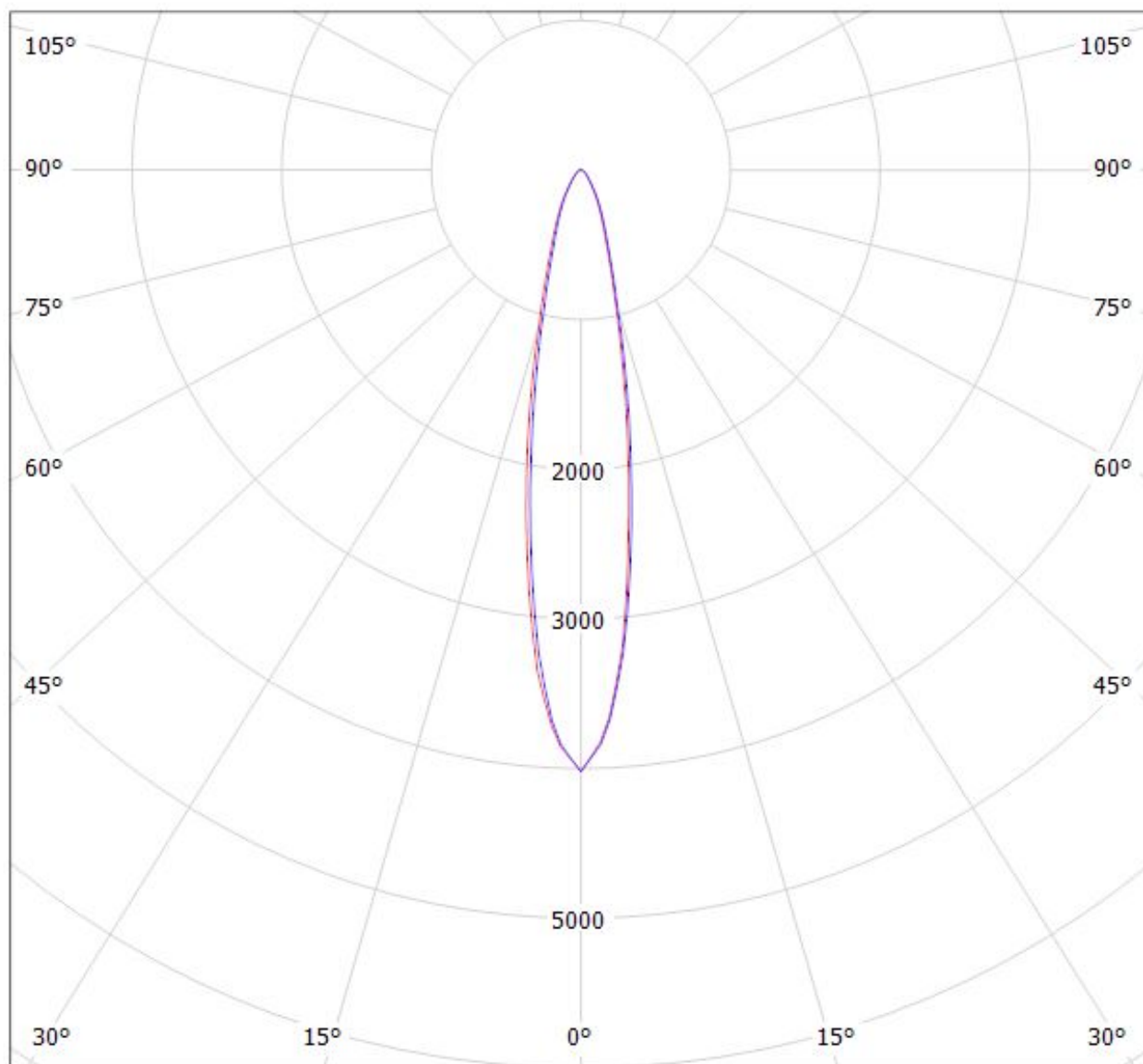


Luminaire: Ledil Oy C13869_VANESSA-B-S_(Duris_S5)_SIMULATED
Lamps: 1 x OSram Duris S5 (GW PSLLS1.EC)



Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-G) Eff.93.5%

Lamps: 1 x CREE_XP-G_1x12_(XPGWHT-L1-4C0-R5-0-09)_1082.98lm@250mA_P=8.40802W_I=249.8mA



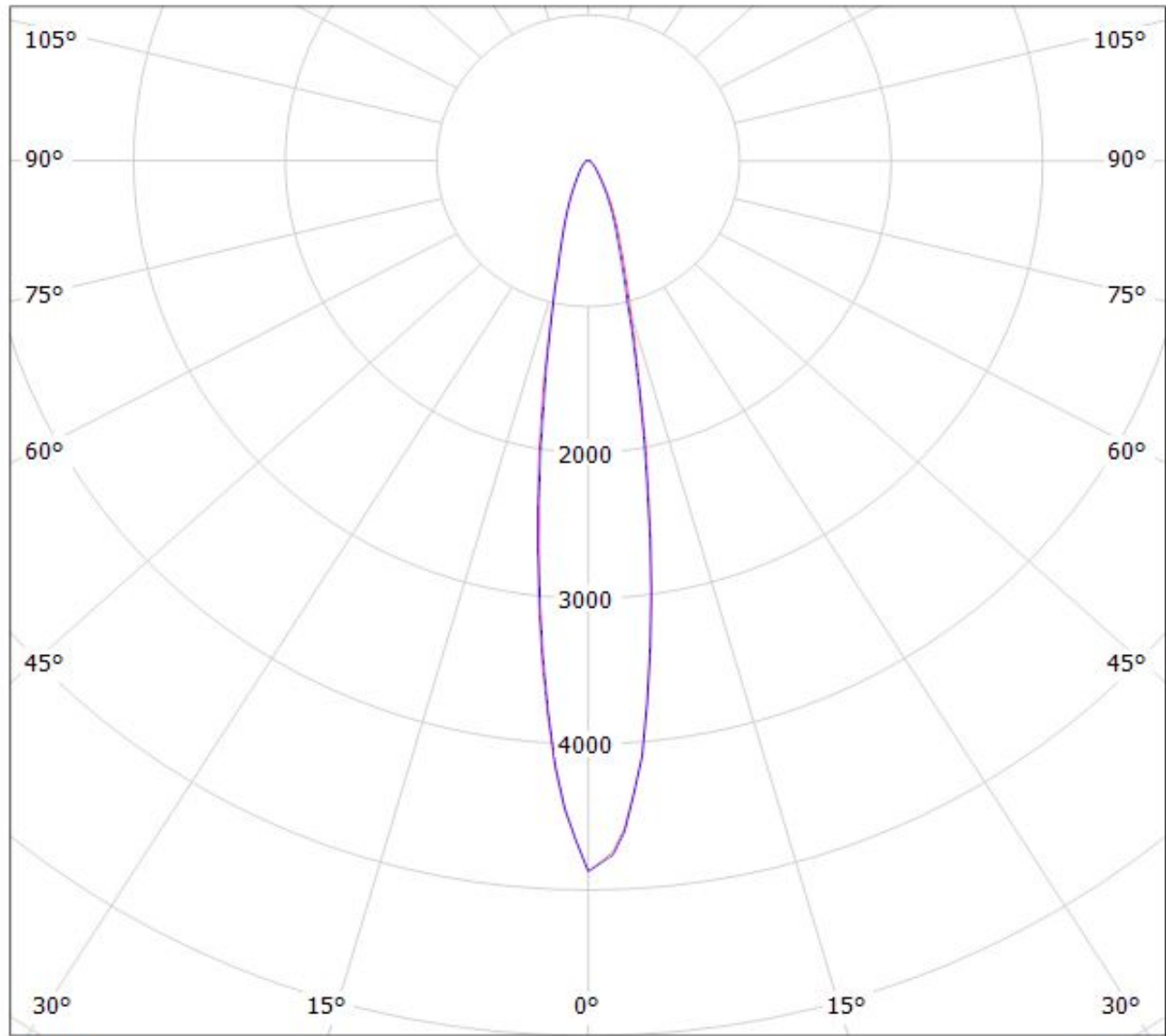
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-E)_C1 Eff.94.1%
Lamps: 1 x CREE_XP-E_1x12_909.494lm@250mA_P=9.01928W_I=249.8mA

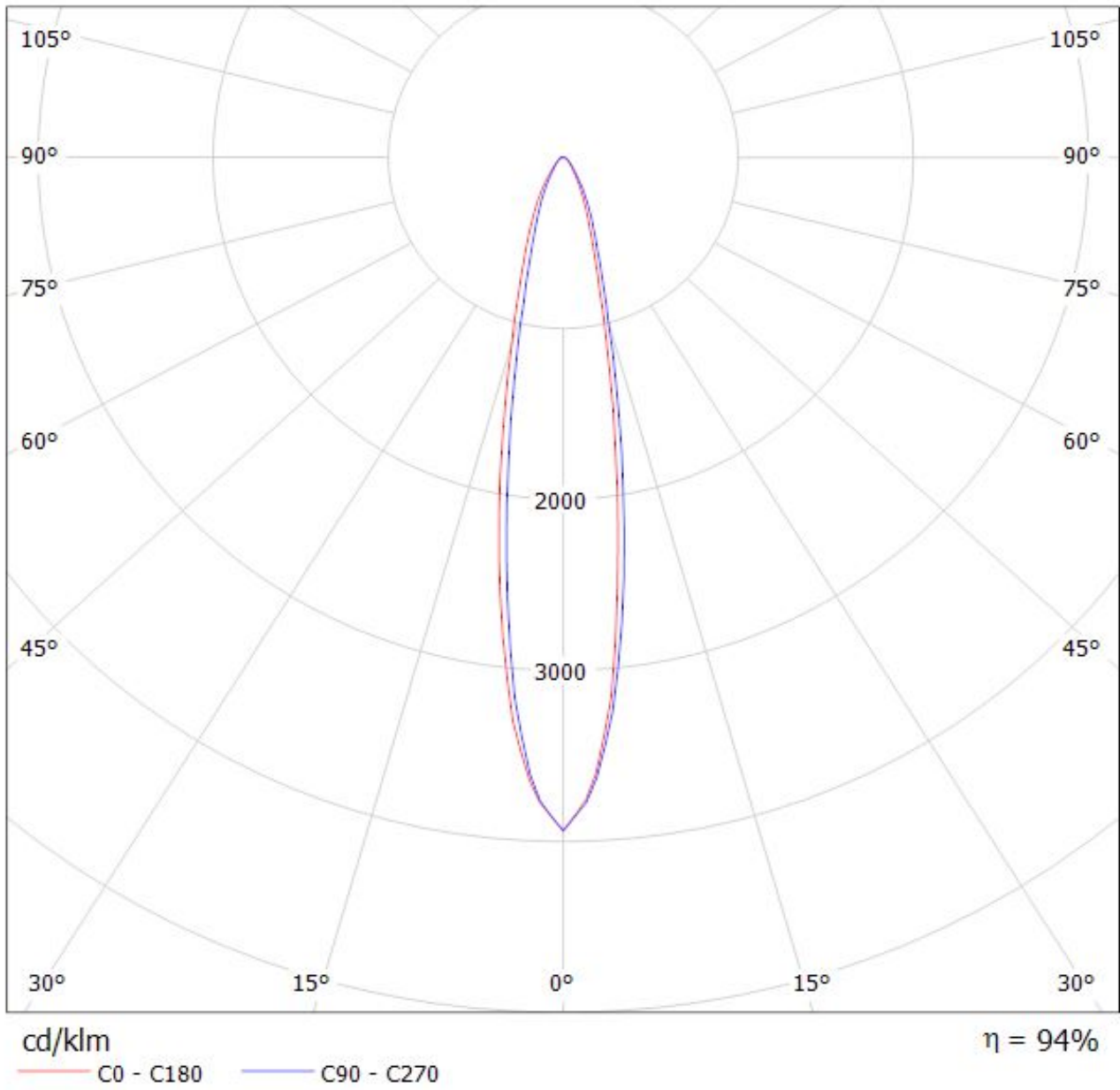


cd/klm

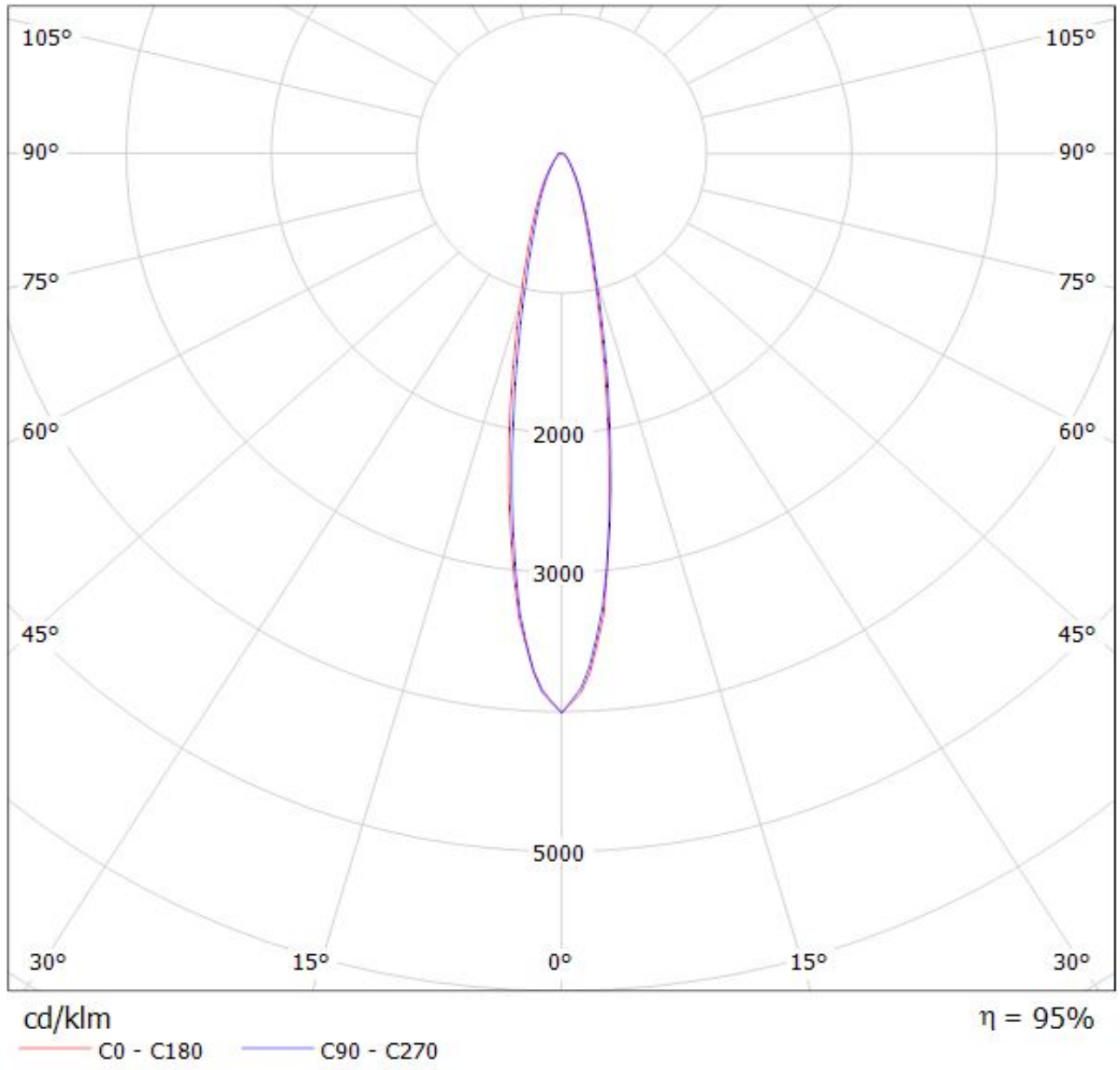
— C0 - C180 — C90 - C270

$\eta = 94\%$

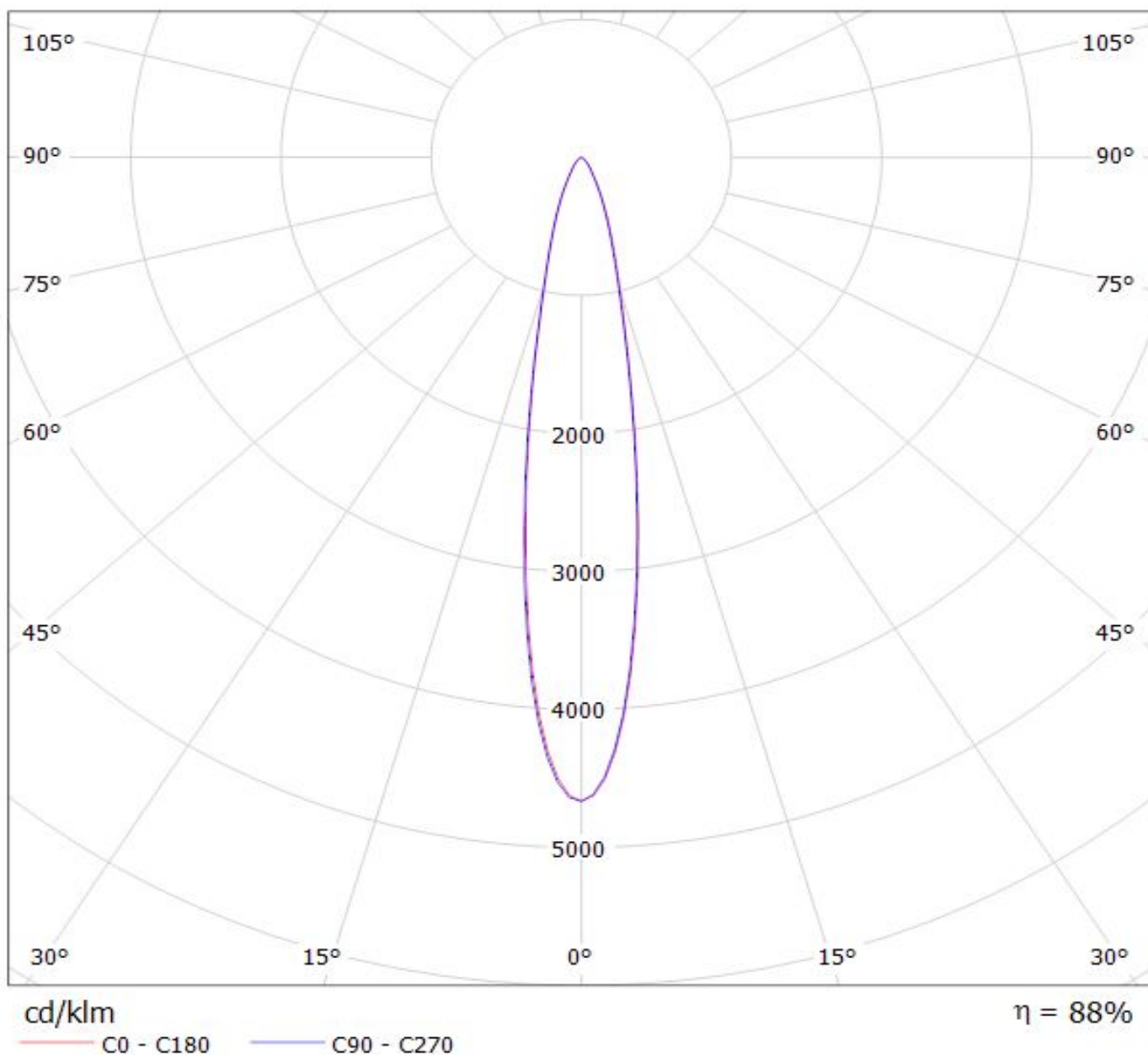
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-G2) Eff.93.8%
Lamps: 1 x CREE_XP-G2_1x12_1163.02@250mA_P=8.65107W_I=249.8mA



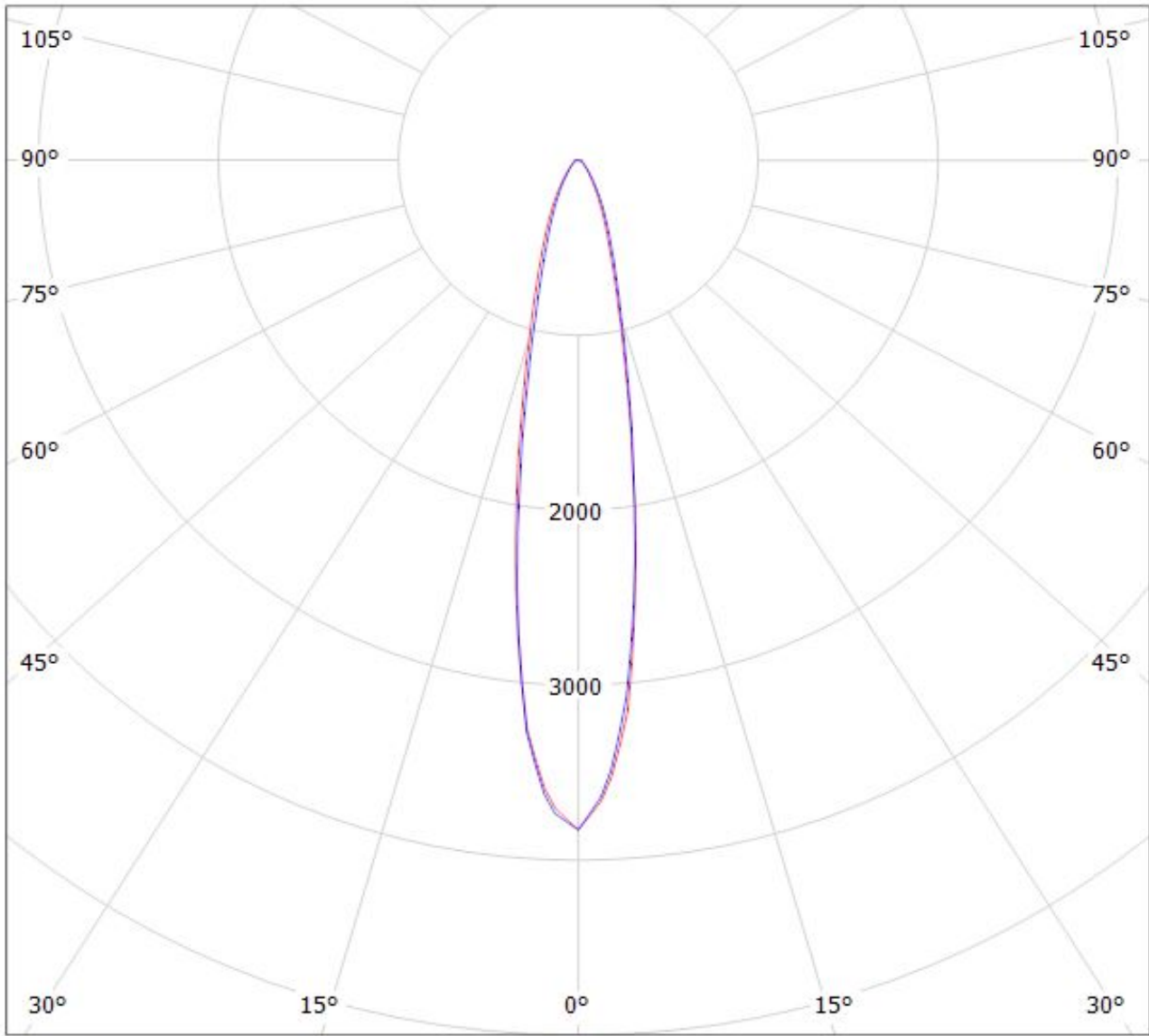
Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XT-E) Eff.94.7%
Lamps: 1 x CREE_XT-E_12x1_1154.61lm@250mA_P=8.79671W_I=249.8mA



Luminaire: LEDiL Oy C13869_VANESSA-B-S_(XP-E2)
Lamps: 1 x XP-E2_1109.05lm@250mA_P=8.75549W_I=0.250A



Luminaire: LEDiL Oy C13869_VANESSA-B-S_(REBEL-ES) Eff.93.8%
Lamps: 1 x LUXEON_REBEL-ES_12x1_811.634@250mA_P=9.06474W_I=249.8mA

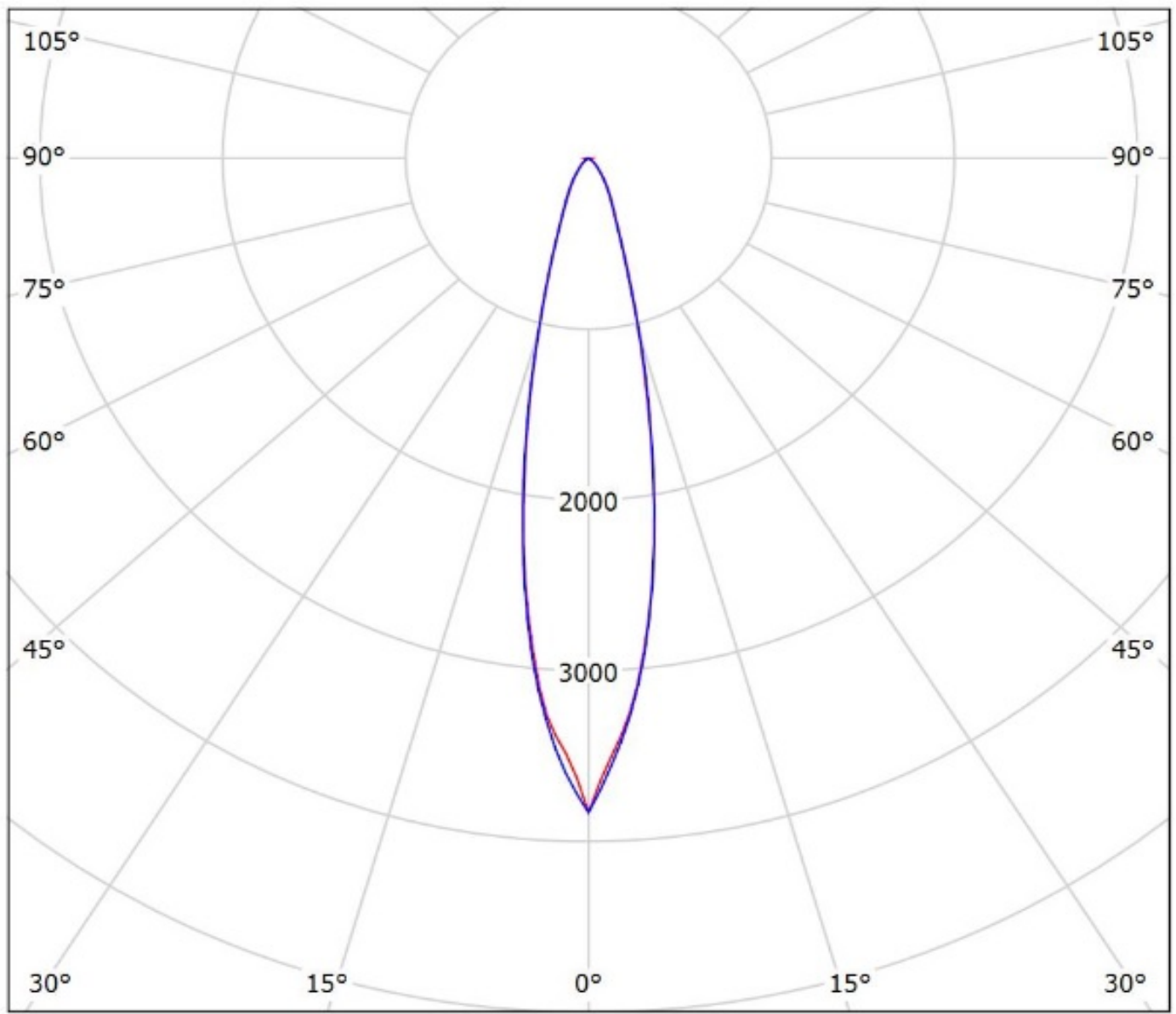


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy C13869_VANESSA-B-S_(NVSxx19C)_SIMULATED
Lamps: 1 x Nichia NVSW219C

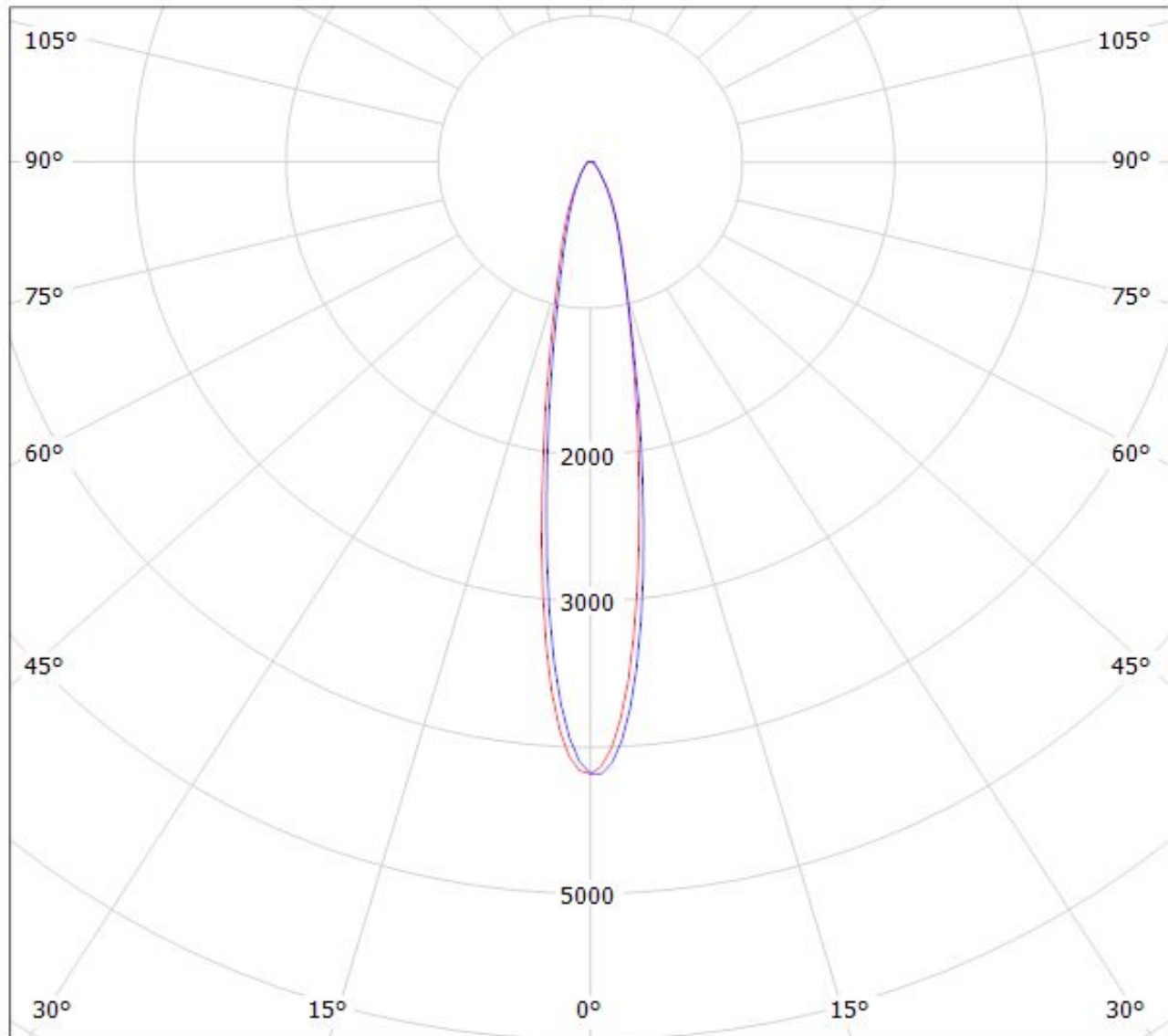


cd/klm
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C13869_VANESSA-B-S_(SQ-EC)

Lamps: 1 x Osram_Square_EC_962.49lm@250mA_P=8.83543W_I=249.8mA



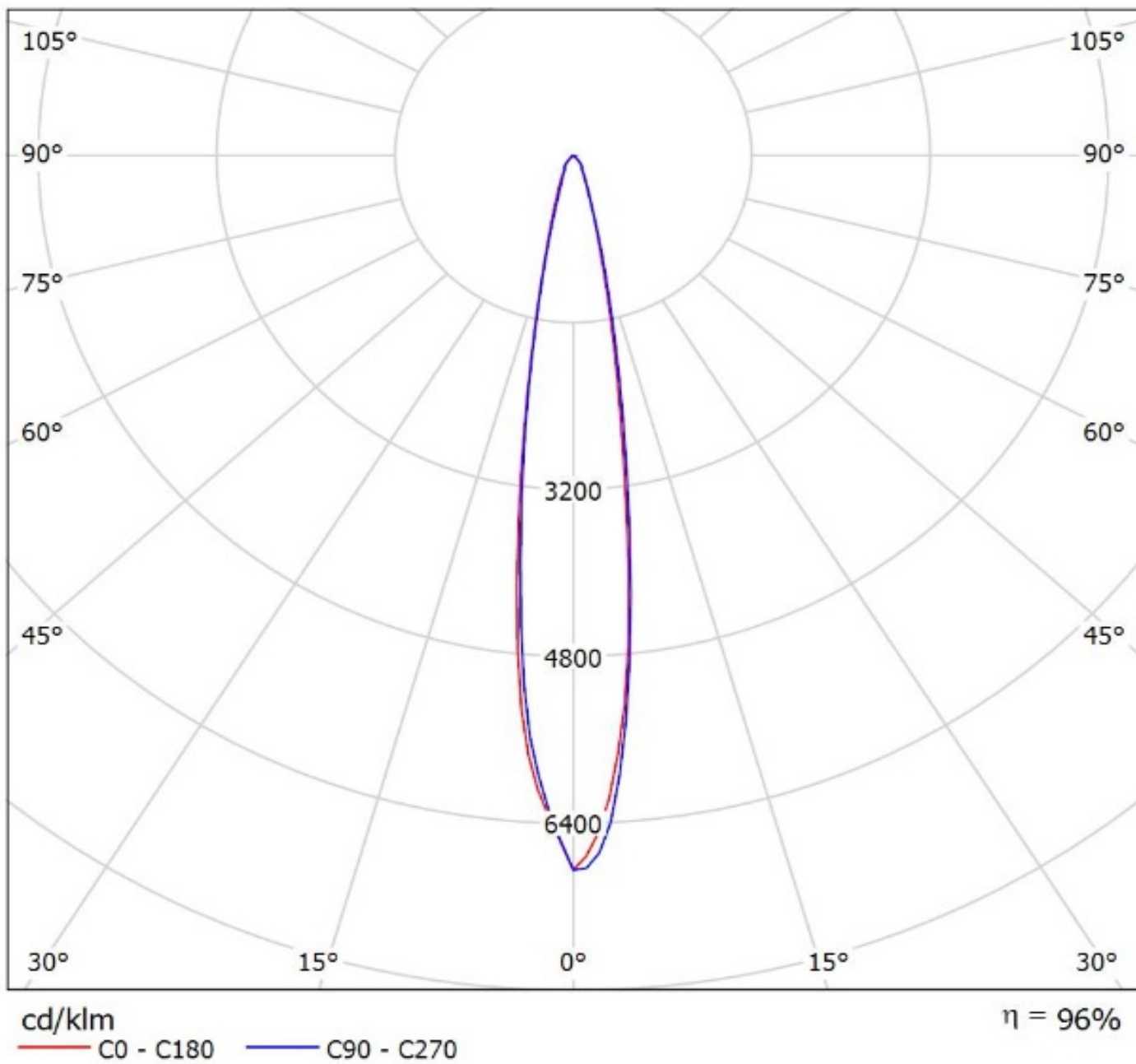
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy C13869_VANESSA-B-S_(Duris_S5)_SIMULATED
Lamps: 1 x OSram Duris S5 (GW PSLLS1.ĚC)



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.