

DETAILS

Product Number	C15437_STRADELLA-CY
Family	Stradella
Type	Lens array
Color	clear
Diameter	13,9+13,9 mm
Height	4,73 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	31/01/2017



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
XT-E	115 deg	Wide-Area...	94 %	0.320	-
LUXEON IR Domed 150	sim: 133	Wide-Area...	sim: 94 %	sim: 0.000	-
NVSW219D	114 deg	Wide-Area...	94 %	0.370	-
OSCONIQ P 3737 (2W version)	sim: 115	Wide-Area...	sim: 94 %	sim: 0.370	-
LH351B	sim: 110	Wide-Area...	sim: 92 %	sim: 0.340	-
LH351D	sim: 123	Wide-Area...	sim: 94 %	sim: 0.310	-

4

3

2

1

D

C

B

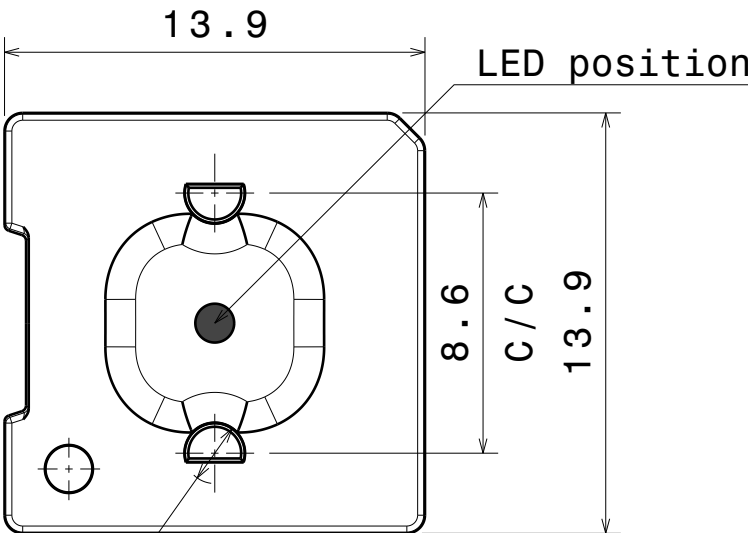
A

4

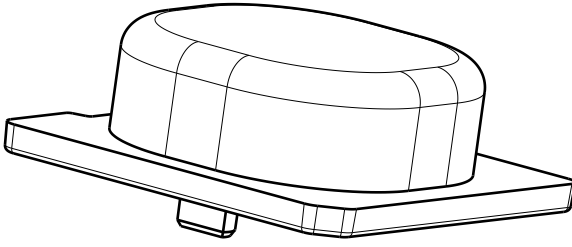
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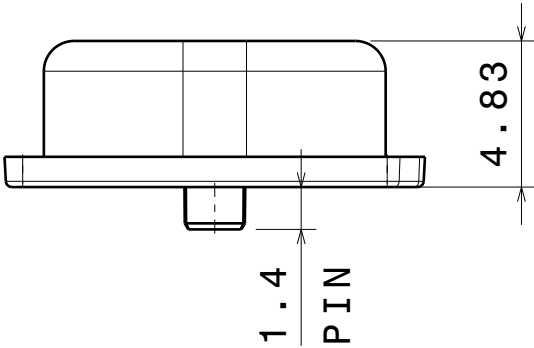
1



Front view
Scale: 4:1



Isometric view
Scale: 4:1



Top view
Scale: 4:1

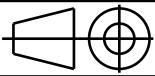
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15437	STRADELLA-CY	PMMA	Clear

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
Datasheet_STRADELLA-CY

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agreement with LEDiL Oy.

SIZE	PART NUMBER
A4	C15437

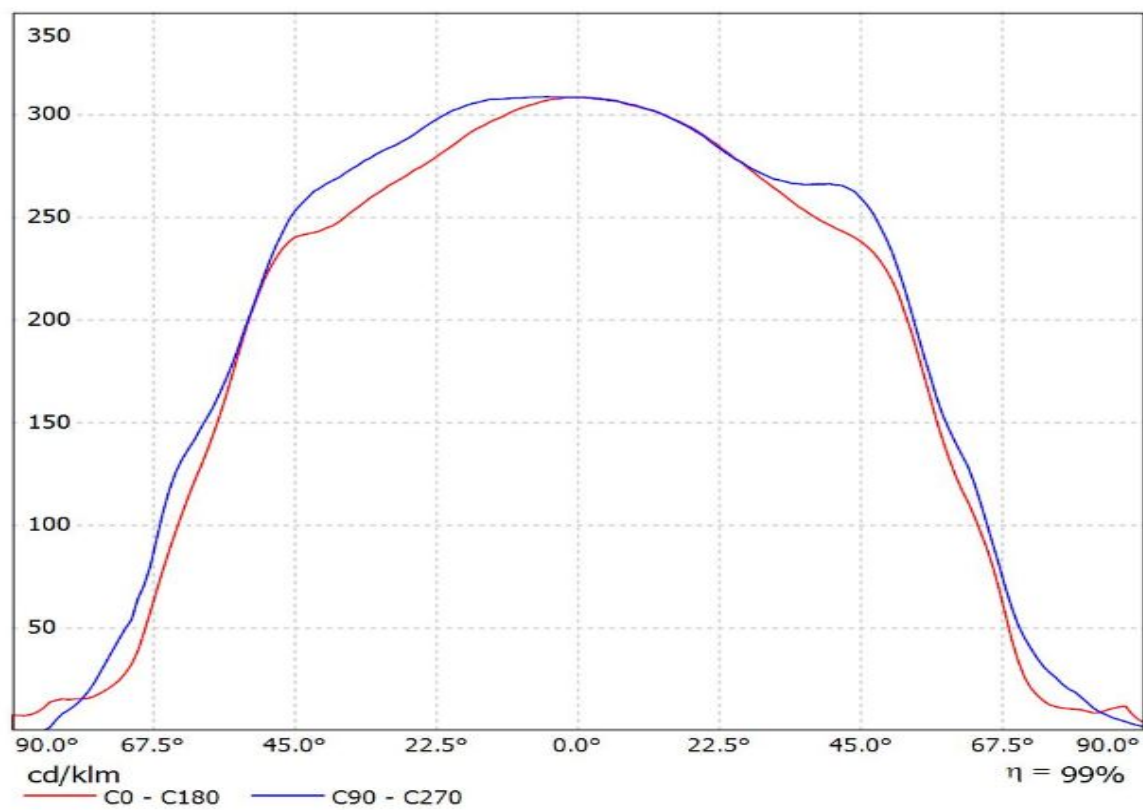
SCALE	4:1	WEIGHT	g	SHEET	1 / 1
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D

A

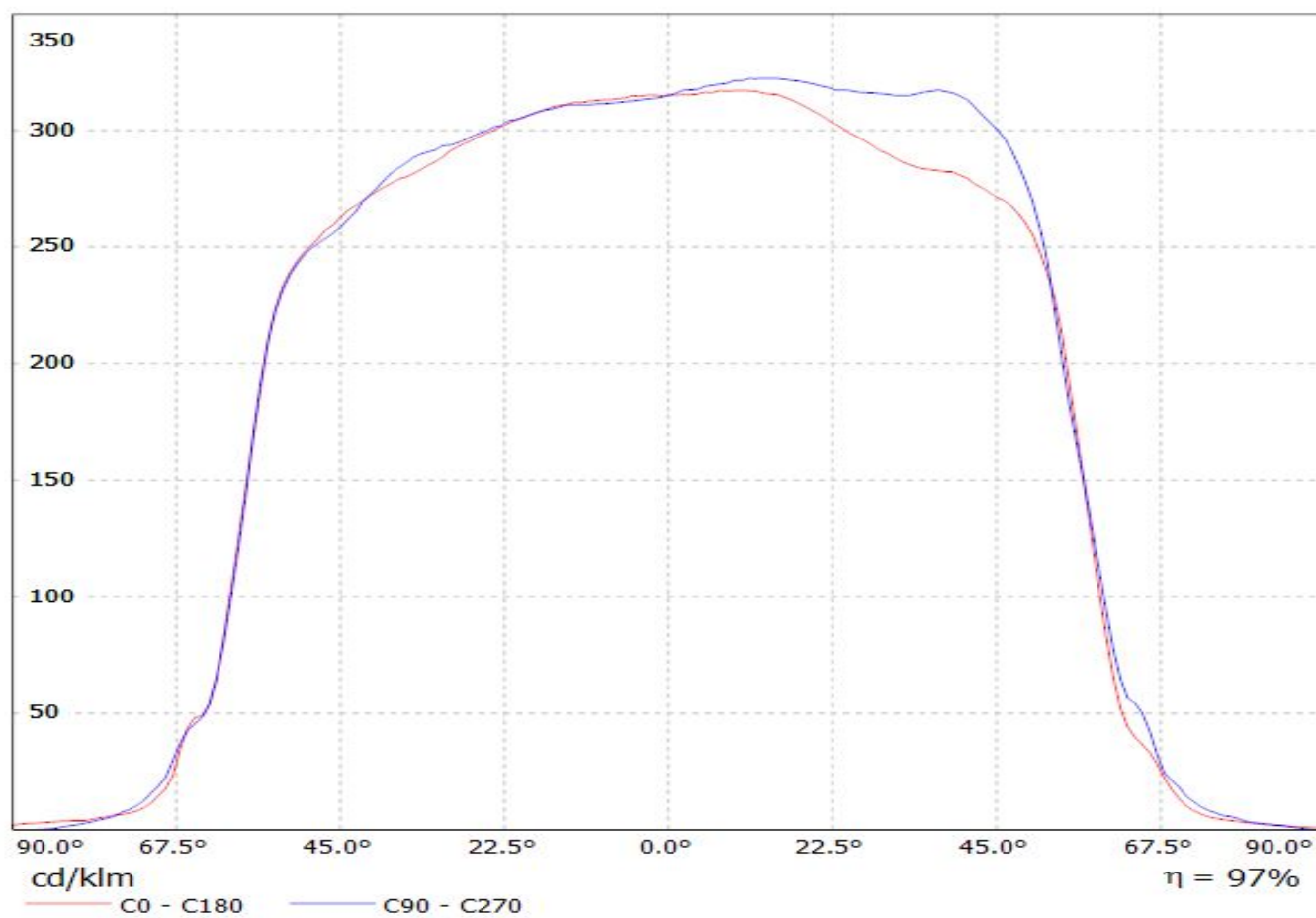
Luminaire: Ledil C15437_STRADELLA-CY_(XT-E)_C03

Lamps: 1 x Cree_XT-E_(XTEAWT-00-0000-00000HBE8)_76.4349lm@250mA_CCT=2811K_P=0.790575W_I=0.25A

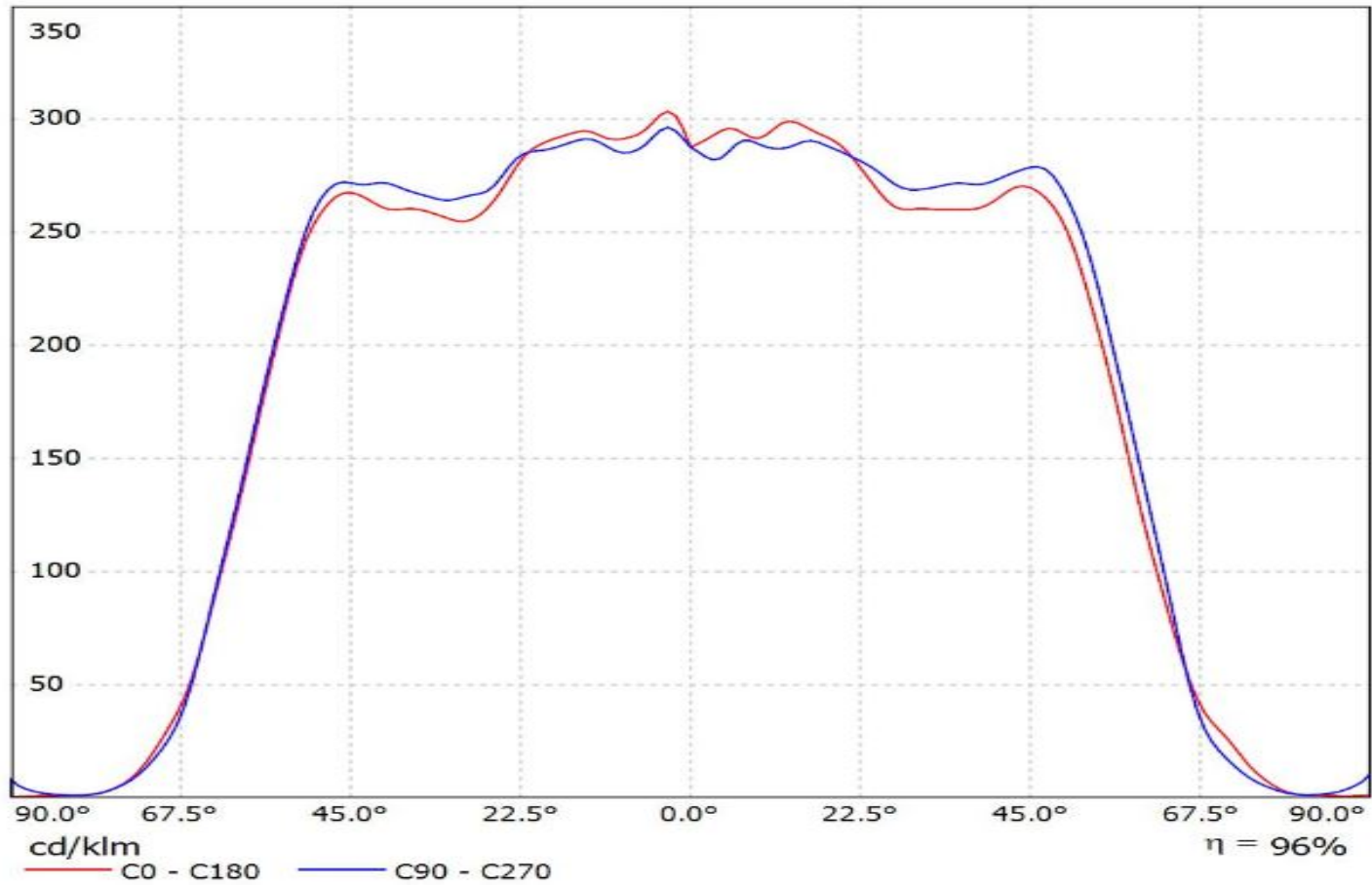


Luminaire: Ledil C15437_STRADELLA-CY_(NVSW219D)

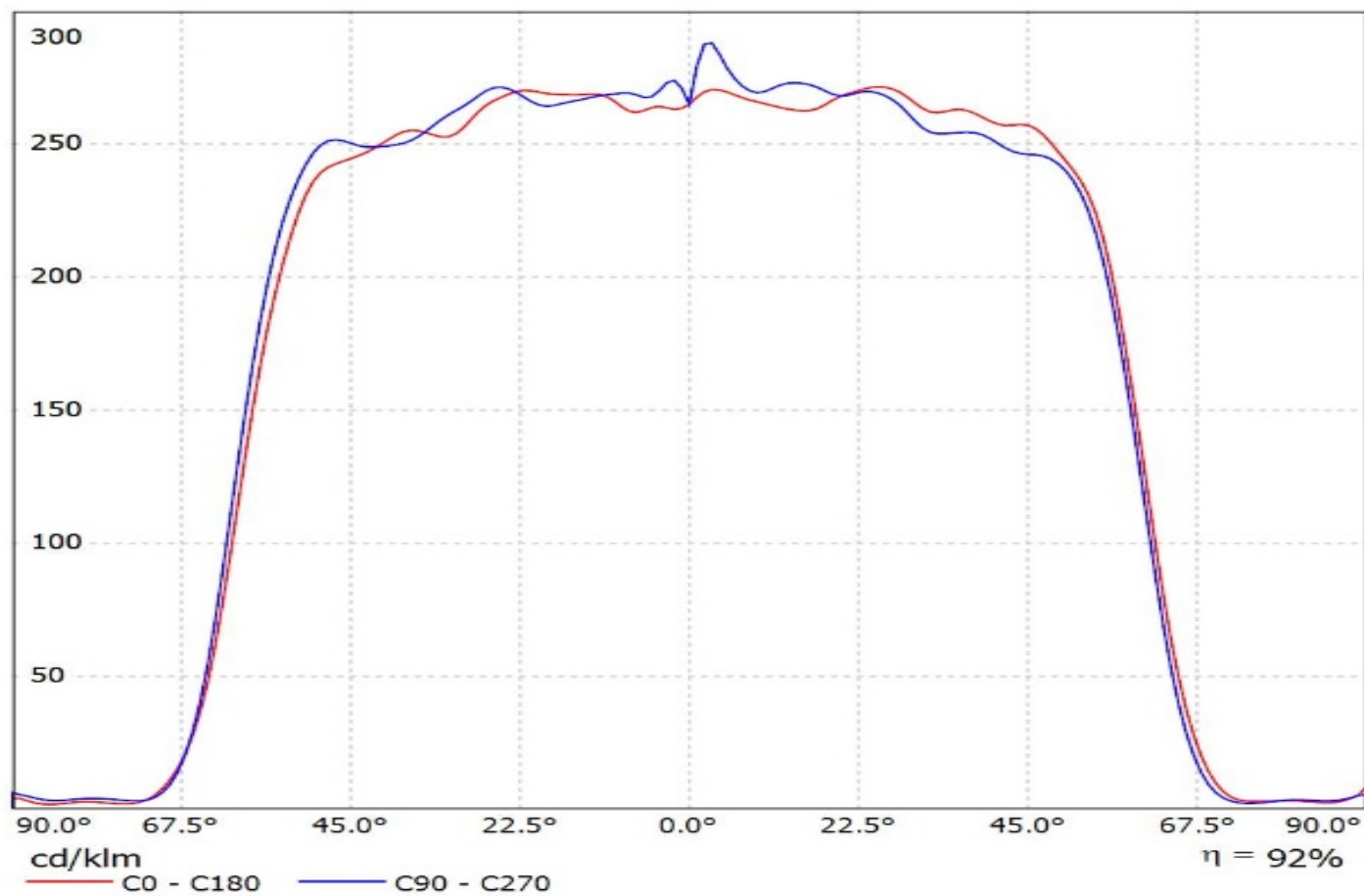
Lamps: 1 x Nichia_NVSW219D_x1_129.319lm@250mA_P=0.739979W_U=2.9611V



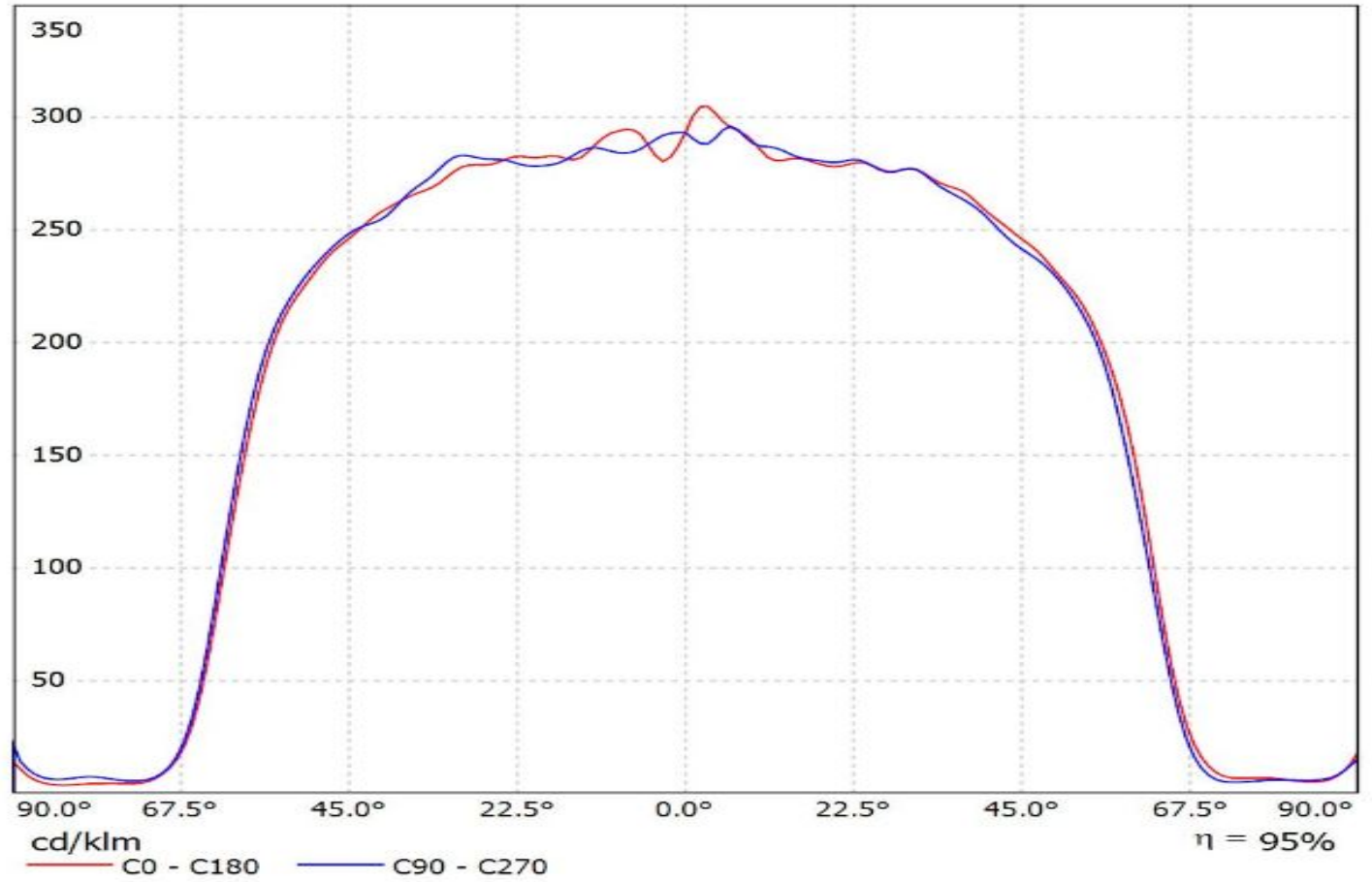
Luminaire: Ledil Oy C15437_STRADELLA-CY_(Osram_OSCONIQ P 3737 (2W version))_SIMULATED
Lamps: 1 x Osram_OSCONIQ P 3737 (2W version)



Luminaire: Ledil Oy C15437_STRADELLA-CY_LH351B_SIMULATED
Lamps: 1 x Samsung LH351B

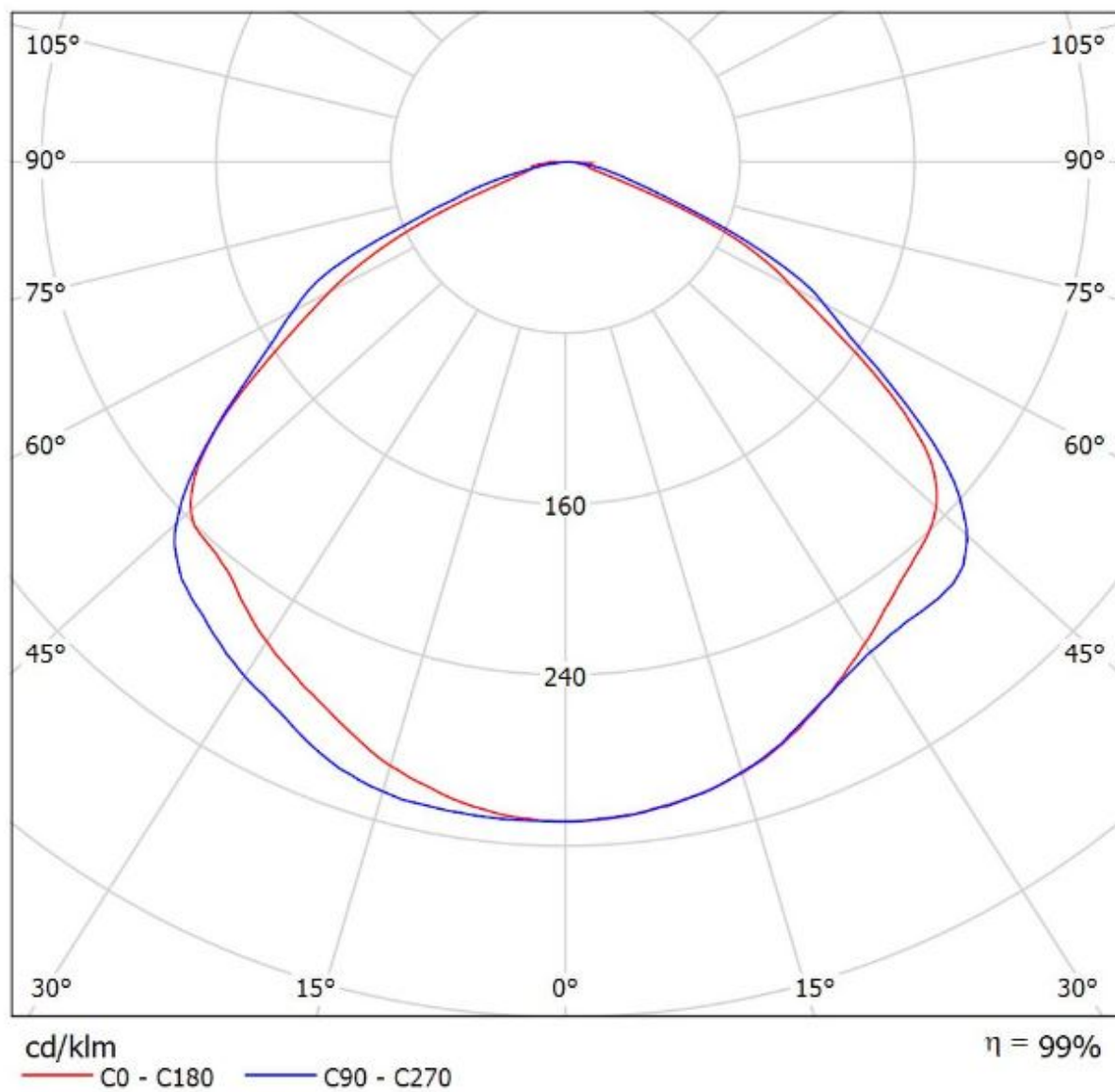


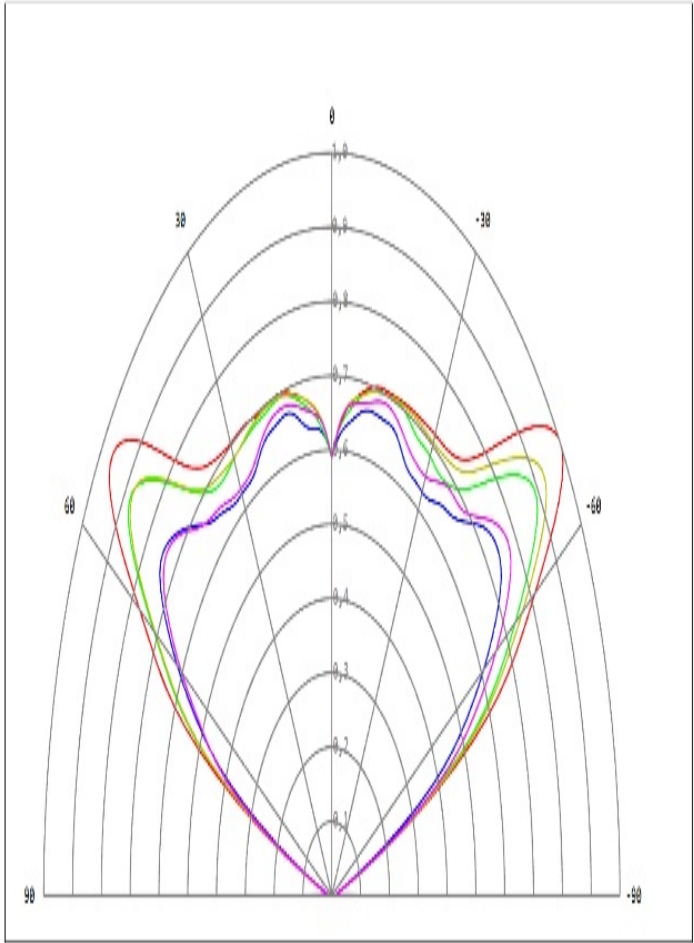
Luminaire: Ledil Oy C15437_STRADELLA-CY_(Samsung_LH351D)_SIMULATED
Lamps: 1 x Samsung_LH351D



Luminaire: Ledil C15437_STRADELLA-CY_(XT-E)_C03

Lamps: 1 x Cree_XT-E_(XTEAWT-00-0000-00000HBE8)_76.4349lm@250mA_CCT=2811K_P=0.790575W_I=0.25A





0 30 45 60 90

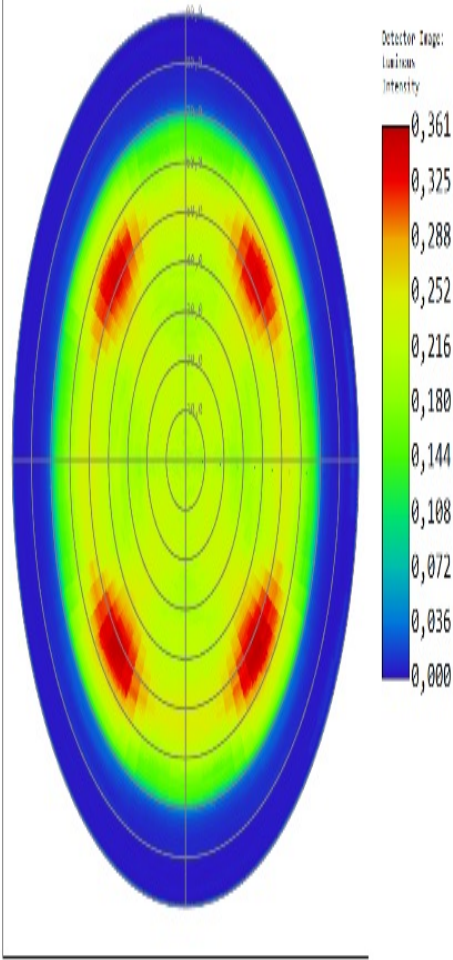
Detector Image: Luminous Intensity

27.6.2017
 Detector 5, NSCG Surface 1:
 Scan Angles: 0, 30, 45, 60, 90
 Peak Intensity : 3,193E-01 Lumens/Steradian

Zemax
 Zemax OpticStudio 16.5 SP1

C:\S437_STRADELLA-CY (LUXEON IN DOME150)_SIMULATED.zmx
 Configuration 1 of 1

Theta = 113,4, Phi = -136,4, Value = N/A



Detector Image: Luminous Intensity

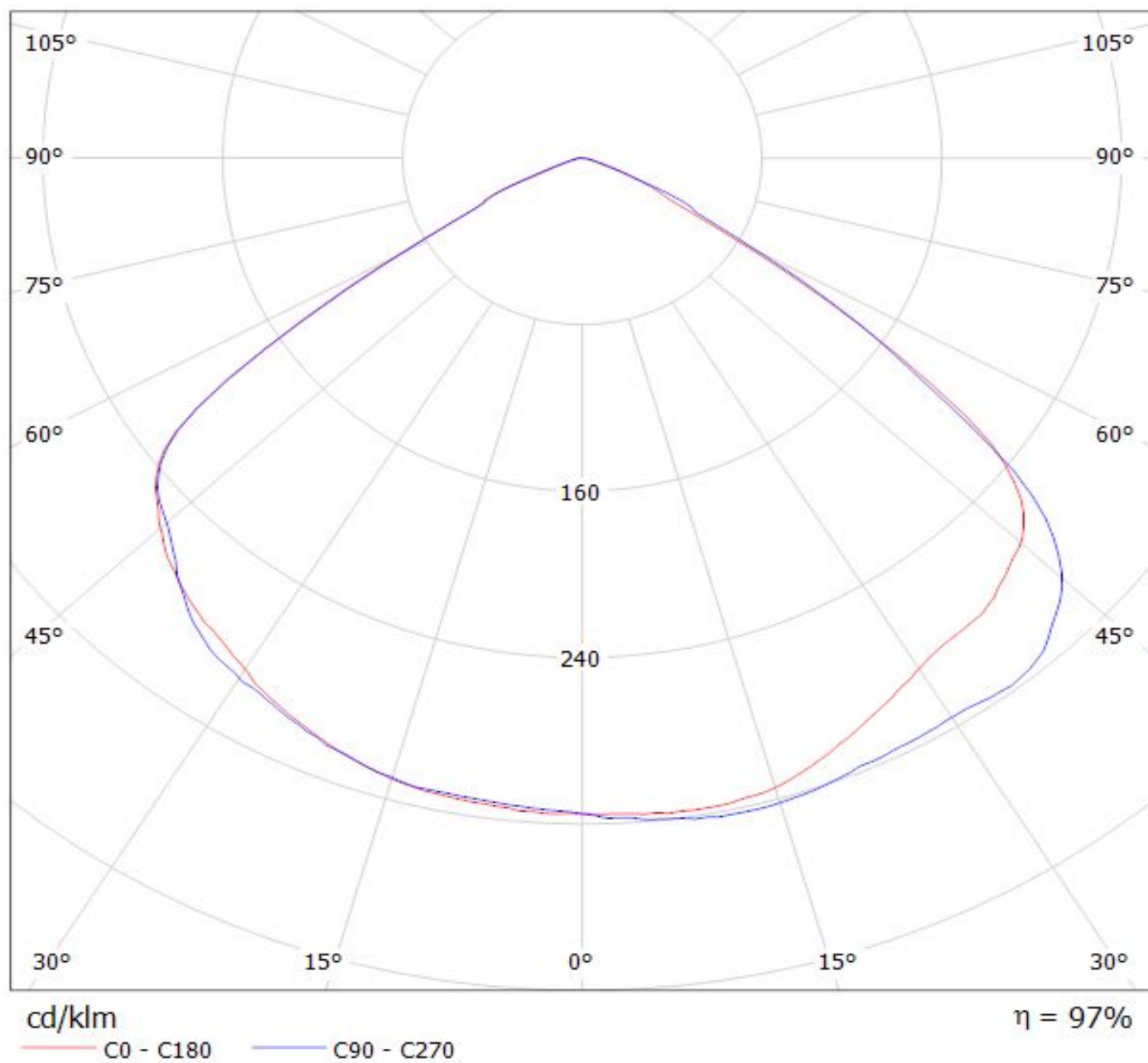
27.6.2017
 Detector 5, NSCG Surface 1:
 Max polar angle: 90,00 deg, Total Hits = 31003300
 Peak Intensity : 3,606E-01 Lumens/Steradian
 Total Power : 9,354E-01 Lumens

Zemax
 Zemax OpticStudio 16.5 SP1

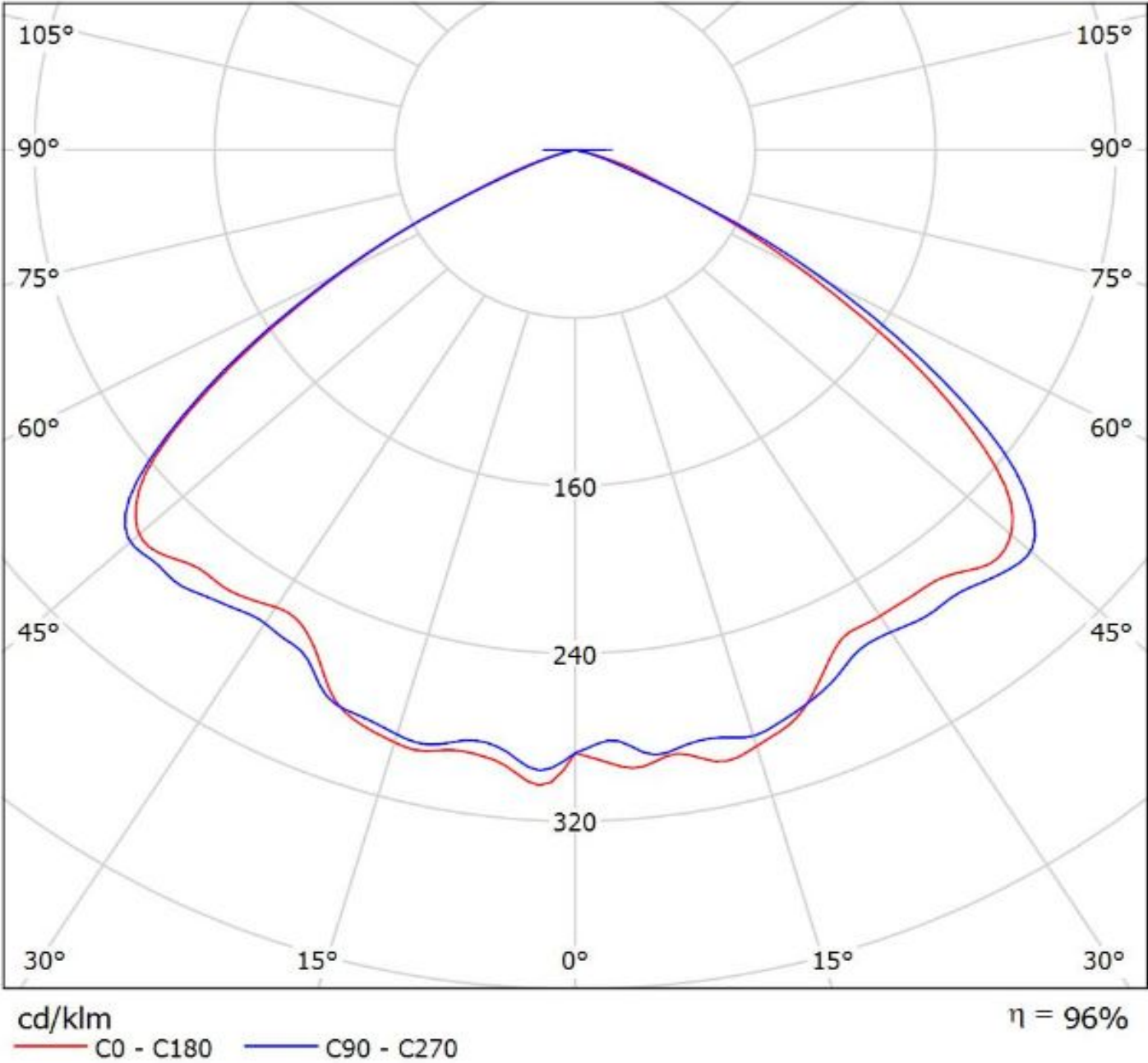
C:\S437_STRADELLA-CY (LUXEON IN DOME150)_SIMULATED.zmx
 Configuration 1 of 1

Luminaire: Ledil C15437_STRADELLA-CY_(NVSW219D)

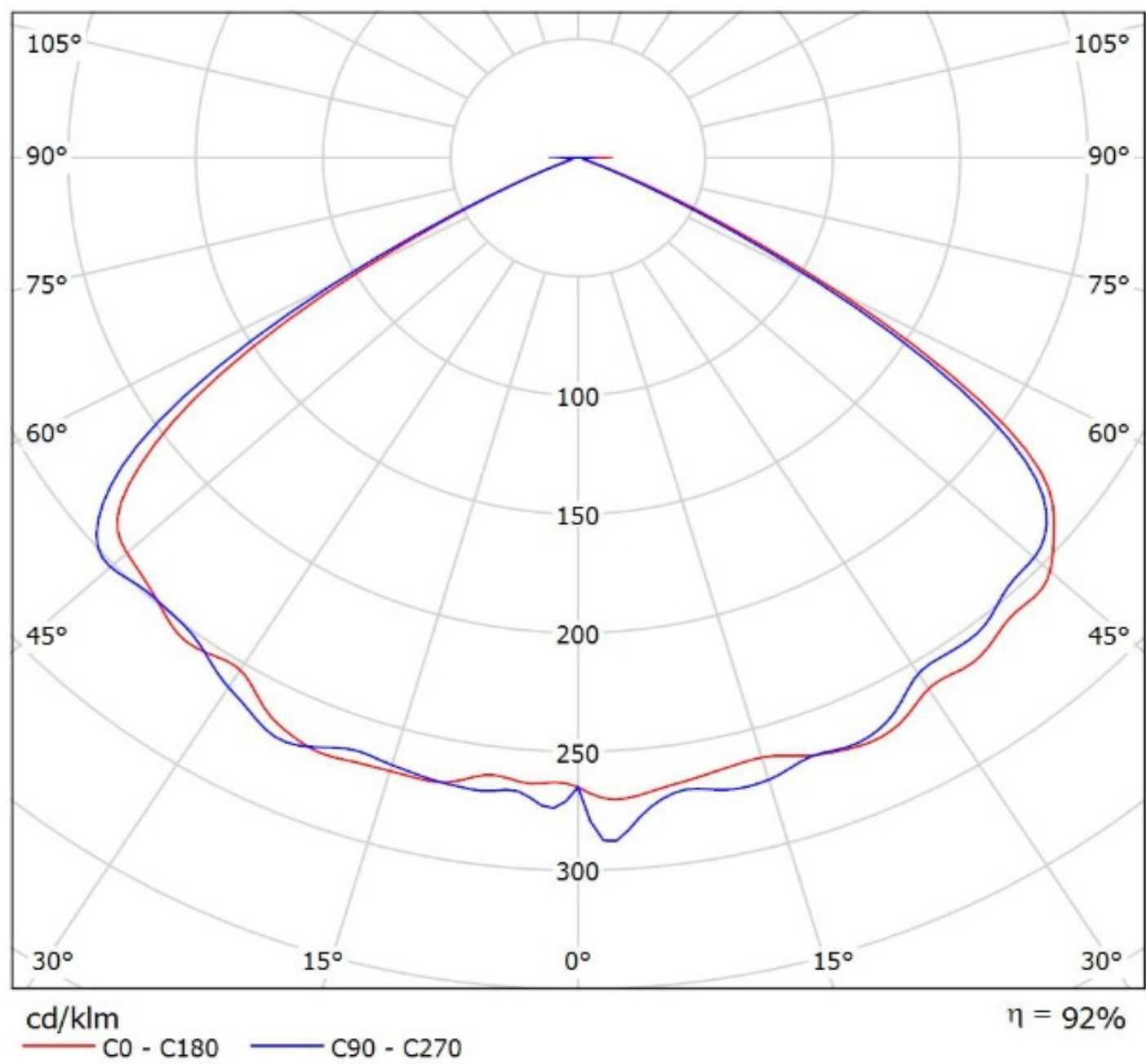
Lamps: 1 x Nichia_NVSW219D_x1_129.319lm@250mA_P=0.739979W_U=2.9611V



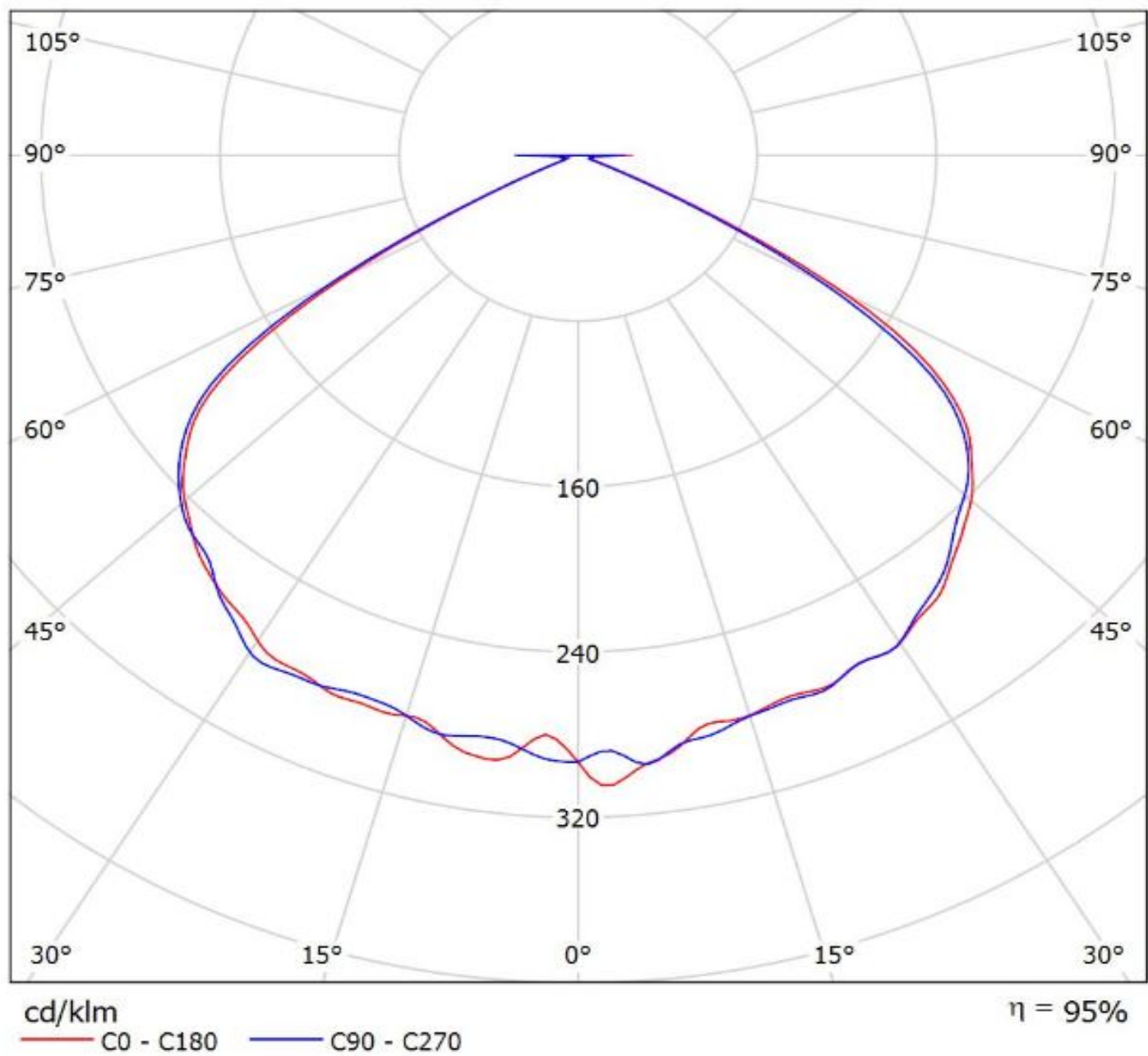
Luminaire: Ledil Oy C15437_STRADELLA-CY_(Osram_OSCONIQ P 3737 (2W version))_SIMULATED
Lamps: 1 x Osram_OSCONIQ P 3737 (2W version)



Luminaire: Ledil Oy C15437_STRADELLA-CY_LH351B_SIMULATED
Lamps: 1 x Samsung LH351B



Luminaire: Ledil Oy C15437_STRADELLA-CY_(Samsung_LH351D)_SIMULATED
Lamps: 1 x Samsung_LH351D



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.