

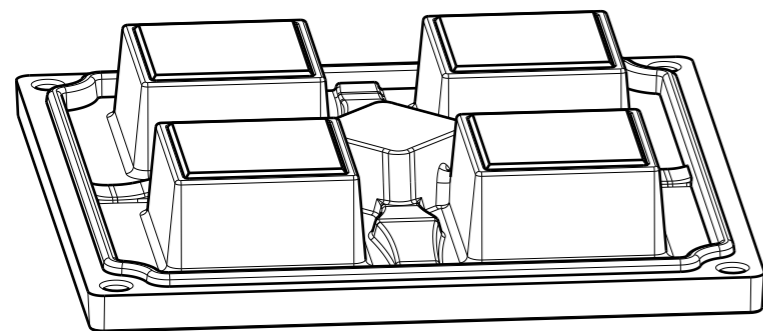
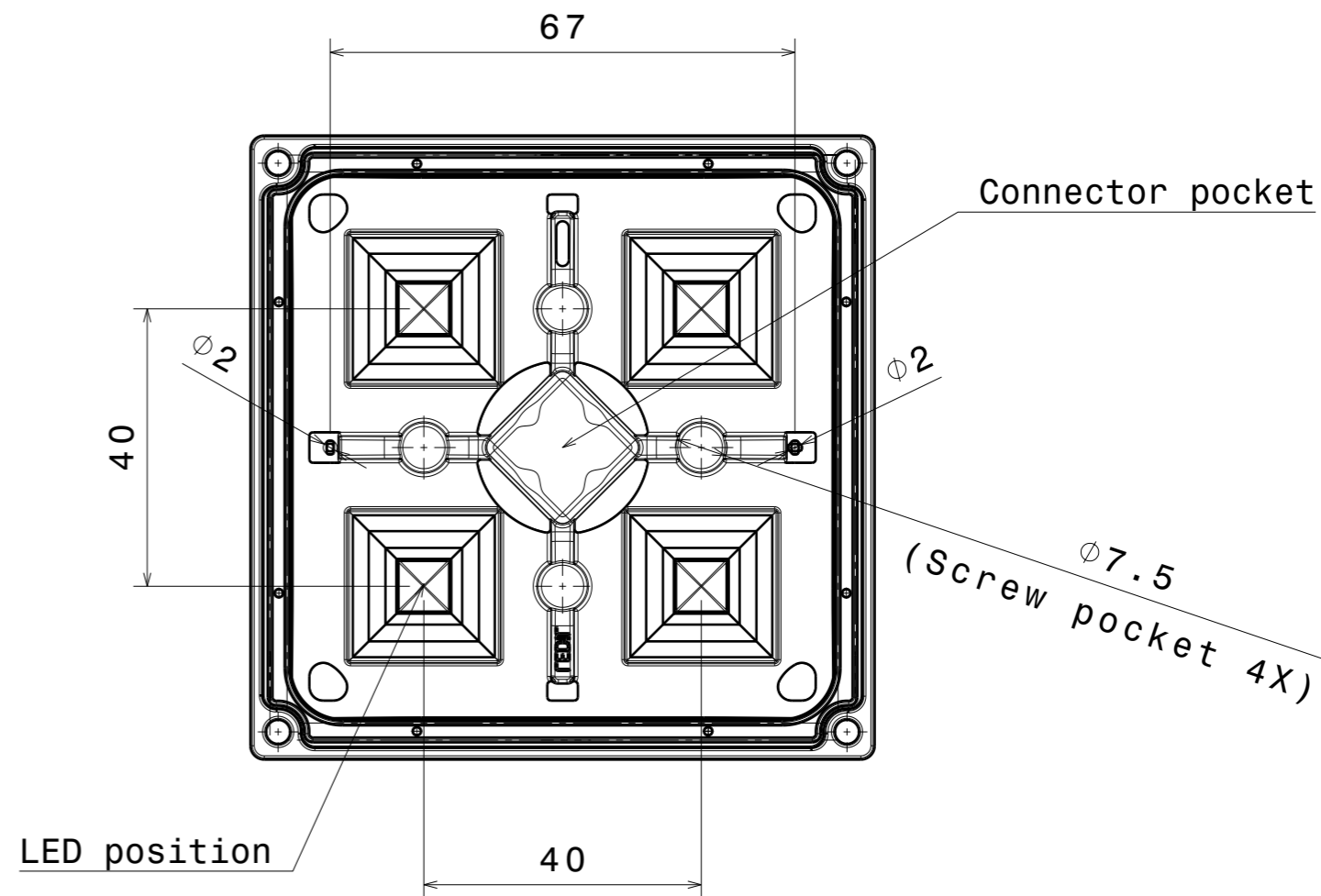
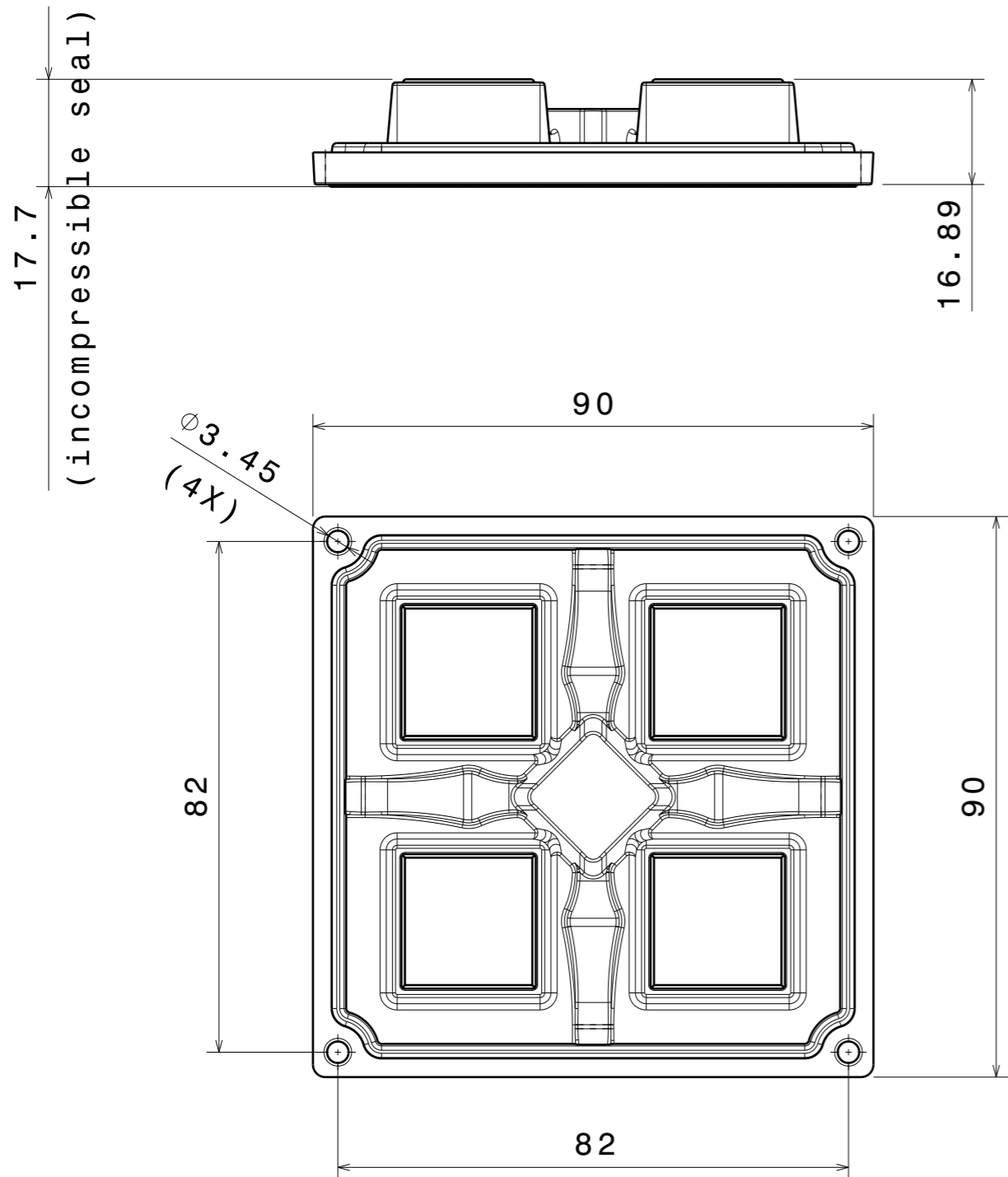
## DETAILS

<b>Product Number</b>	CS14713_HB-2X2MX-W
<b>Family</b>	STRADA
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	90x90 mm
<b>Height</b>	15,35 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	1/04/2016



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Duris S10	sim: 57	Wide	sim: 90 %	sim: 1.100	-
Duris P10	sim: 50	Wide	sim: 83 %	sim: 0.919	-
LUXEON MZ	39 deg	Wide	90 %	1.500	-
LUXEON M	50 deg	Wide	93 %	1.100	-
LUXEON XR-M square 2x2	50 deg	Wide	93 %	1.100	-
NV4x144A	55 deg	Wide	93 %	0.960	-
XHP70	56 deg	Wide	91 %	0.900	-



Isometric view (1:1)

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14631	STRADA-2X2MX-SEAL	silicone	
2	C14695	HB-2X2MX-W	PMMA	

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 Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**CS14713\_HB-2X2MX-W**

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

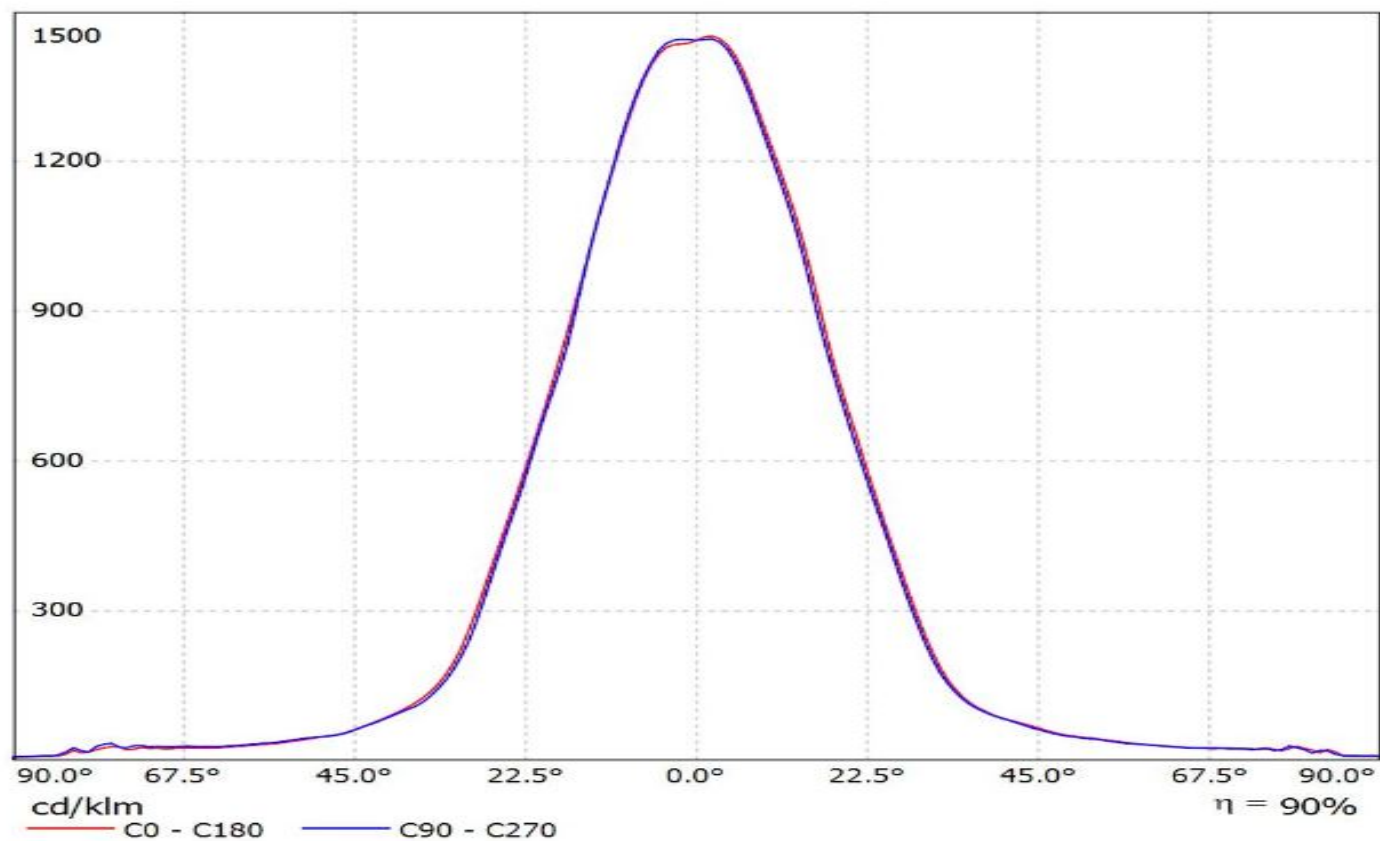
SIZE	PART NUMBER
<b>A3</b>	<b>CS14713</b>

SCALE	1:1	WEIGHT	49.9 g	SHEET	1/1
-------	-----	--------	--------	-------	-----

## Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ) / LDC (Linear)

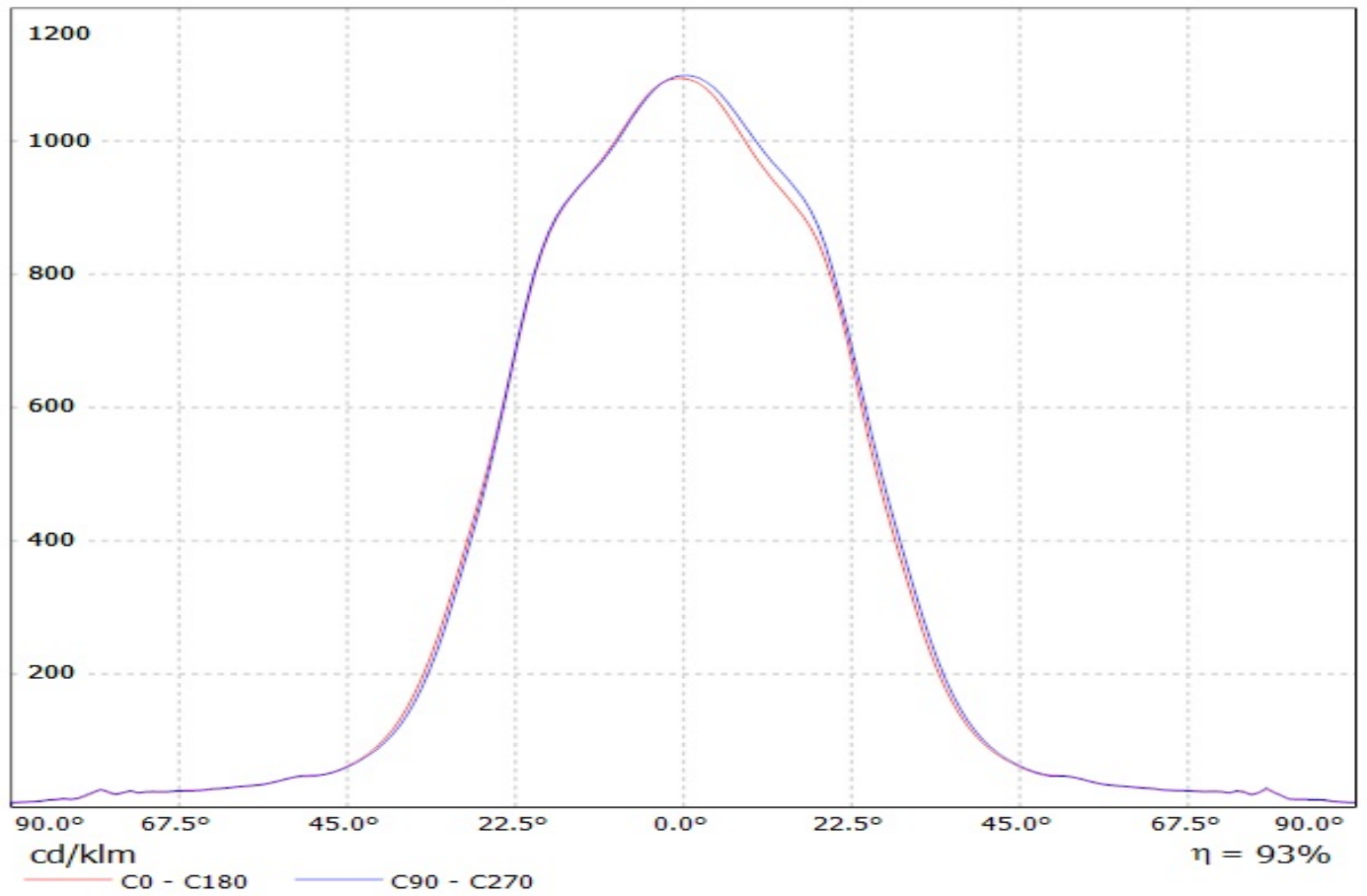
Luminaire: Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ)

Lamps: 1 x Luxeon\_MZ-2x2MX\_(LMZ9-SW30)\_1123.93lm@250mA\_CCT=3000K\_P=10.967W\_I=0.25A



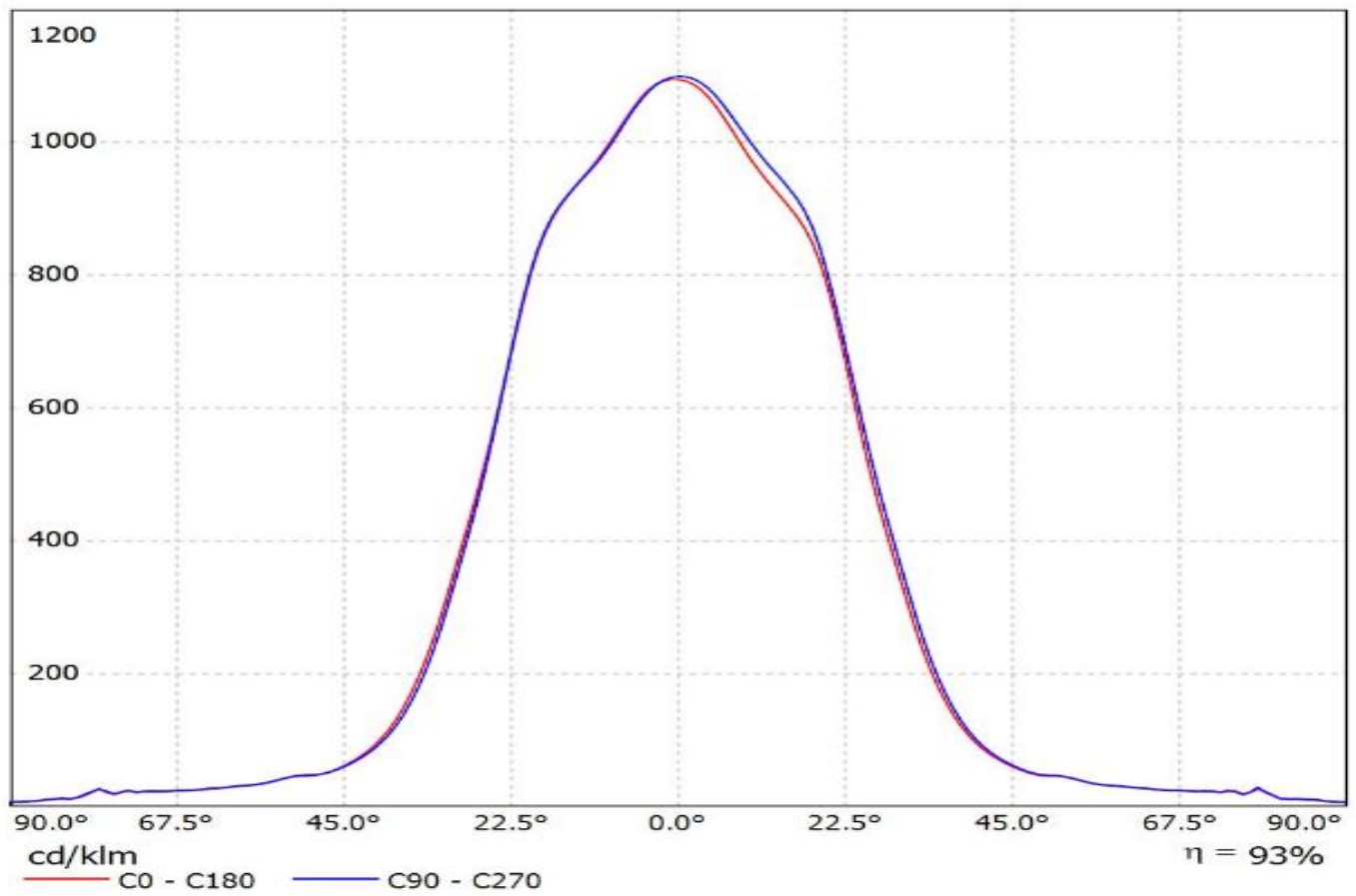
Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(Luxeon\_M)

Lamps: 1 x Luxeon\_M\_(LXM8-SW30)\_(2x2MX)\_1410.8lm@250mA\_P=11.0012W\_I=0.2498A

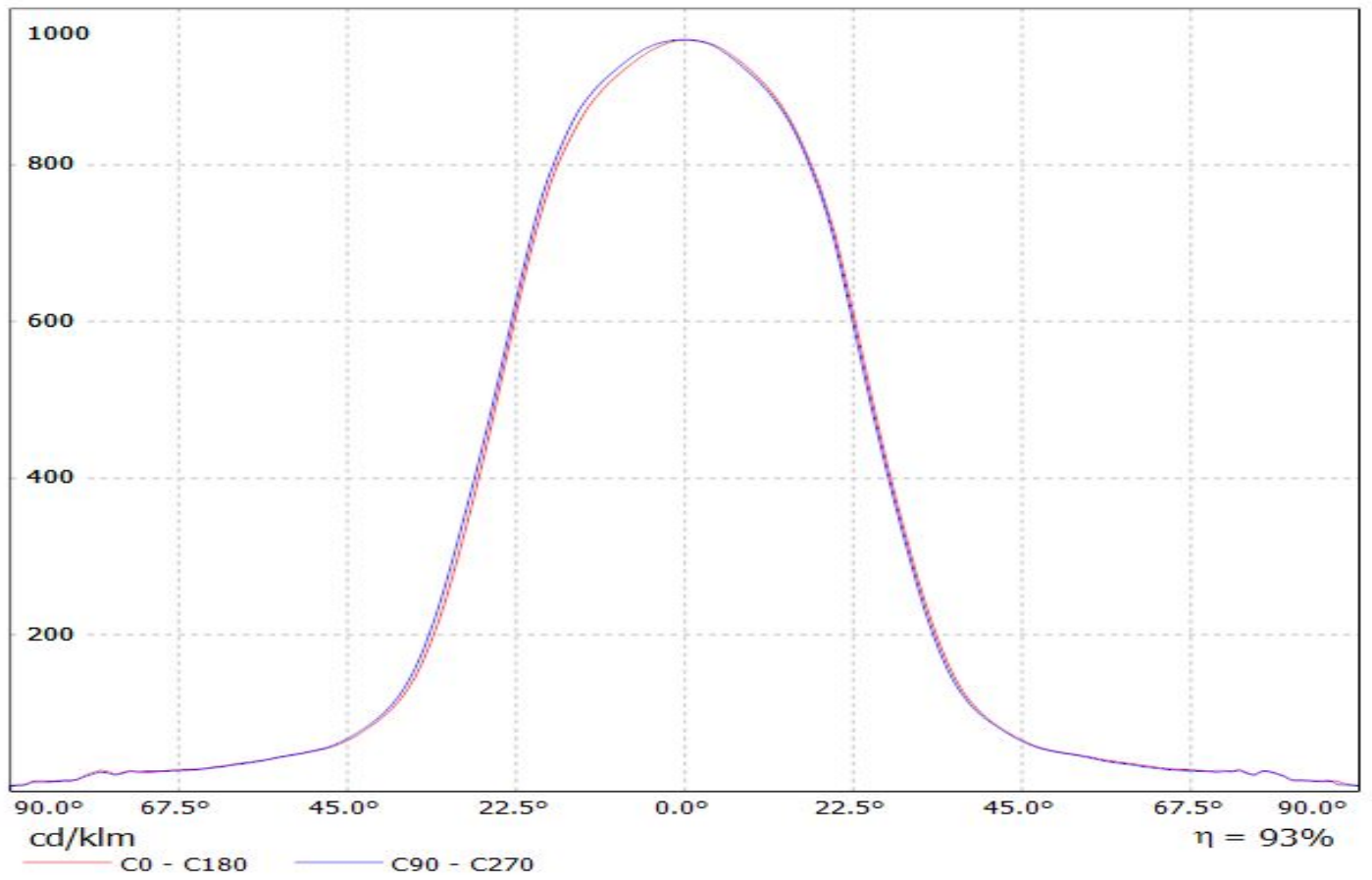


Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(XR-M\_2x2)

Lamps: 1 x Lumileds\_XR-M\_2x2\_1410.8lm@250mA\_P=11.0012W\_I=0.2498A



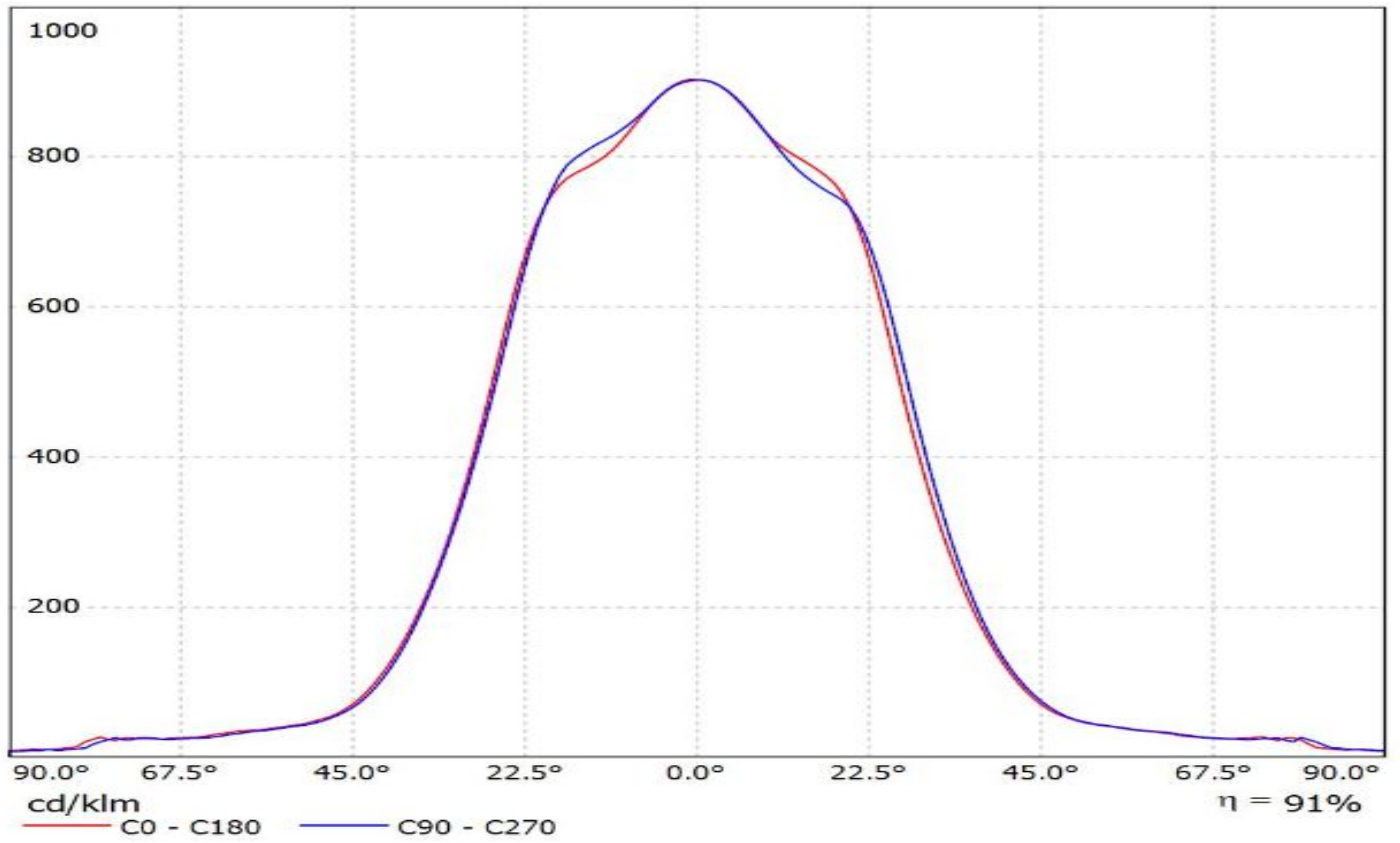
Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_1841.22lm@250mA\_P=10.9615W\_I=0.250A



# Ledil CS14713\_HB-2x2MX-W\_(XHP70) / LDC (Linear)

Luminaire: Ledil CS14713\_HB-2x2MX-W\_(XHP70)

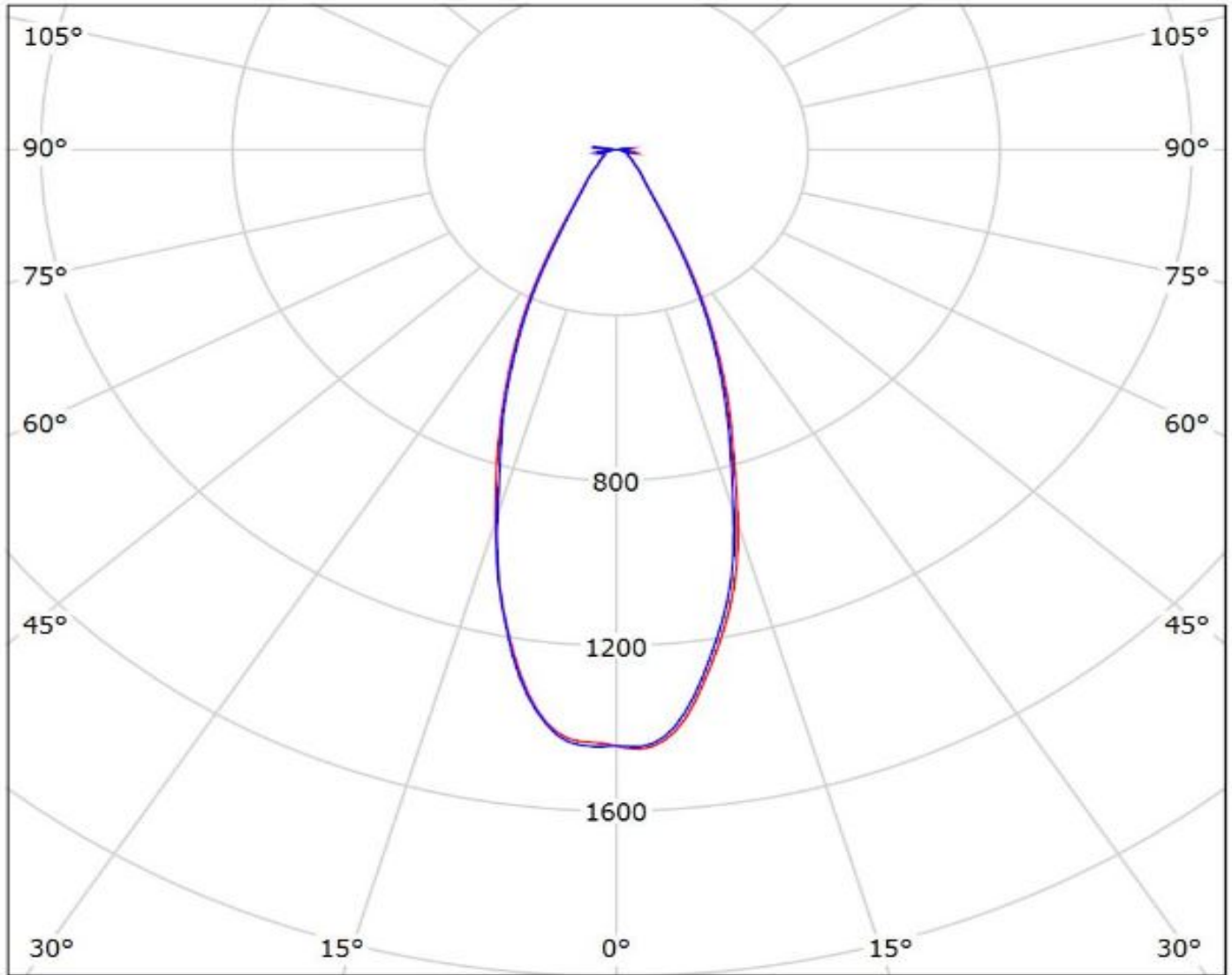
Lamps: 1 x Cree\_XHP70-2x2MX\_1527.15lm@250mA\_P=10.997W\_I=0.25A



# Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ) / LDC (Polar)

Luminaire: Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ)

Lamps: 1 x Luxeon\_MZ-2x2MX\_(LMZ9-SW30)\_1123.93lm@250mA\_CCT=3000K\_P=10.967W\_I=0.25A



cd/klm

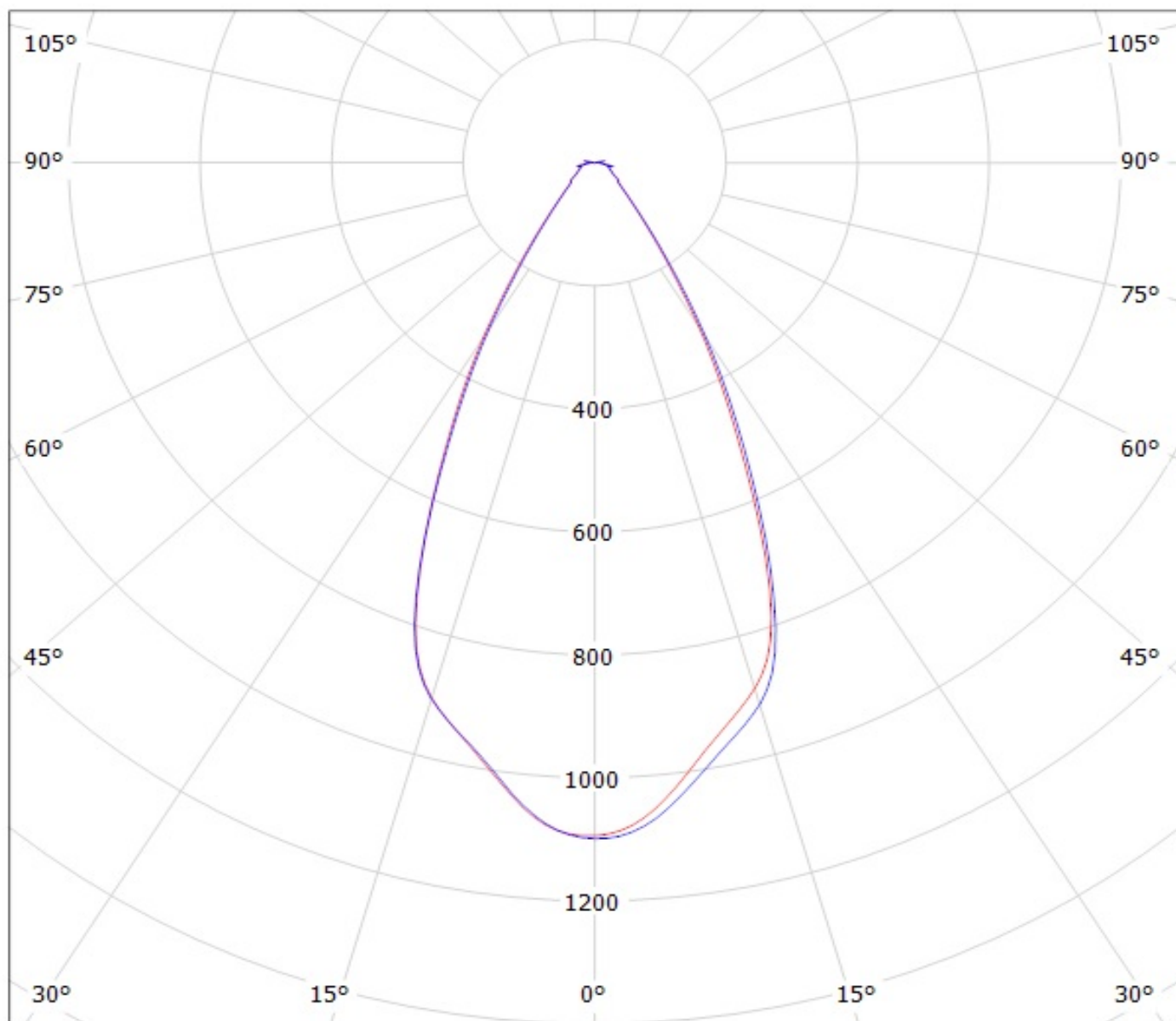
— C0 - C180    — C90 - C270

$\eta = 90\%$



Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(Luxeon\_M)

Lamps: 1 x Luxeon\_M\_(LXM8-SW30)\_ (2x2MX)\_ 1410.8lm@250mA\_P=11.0012W\_I=0.2498A



cd/klm

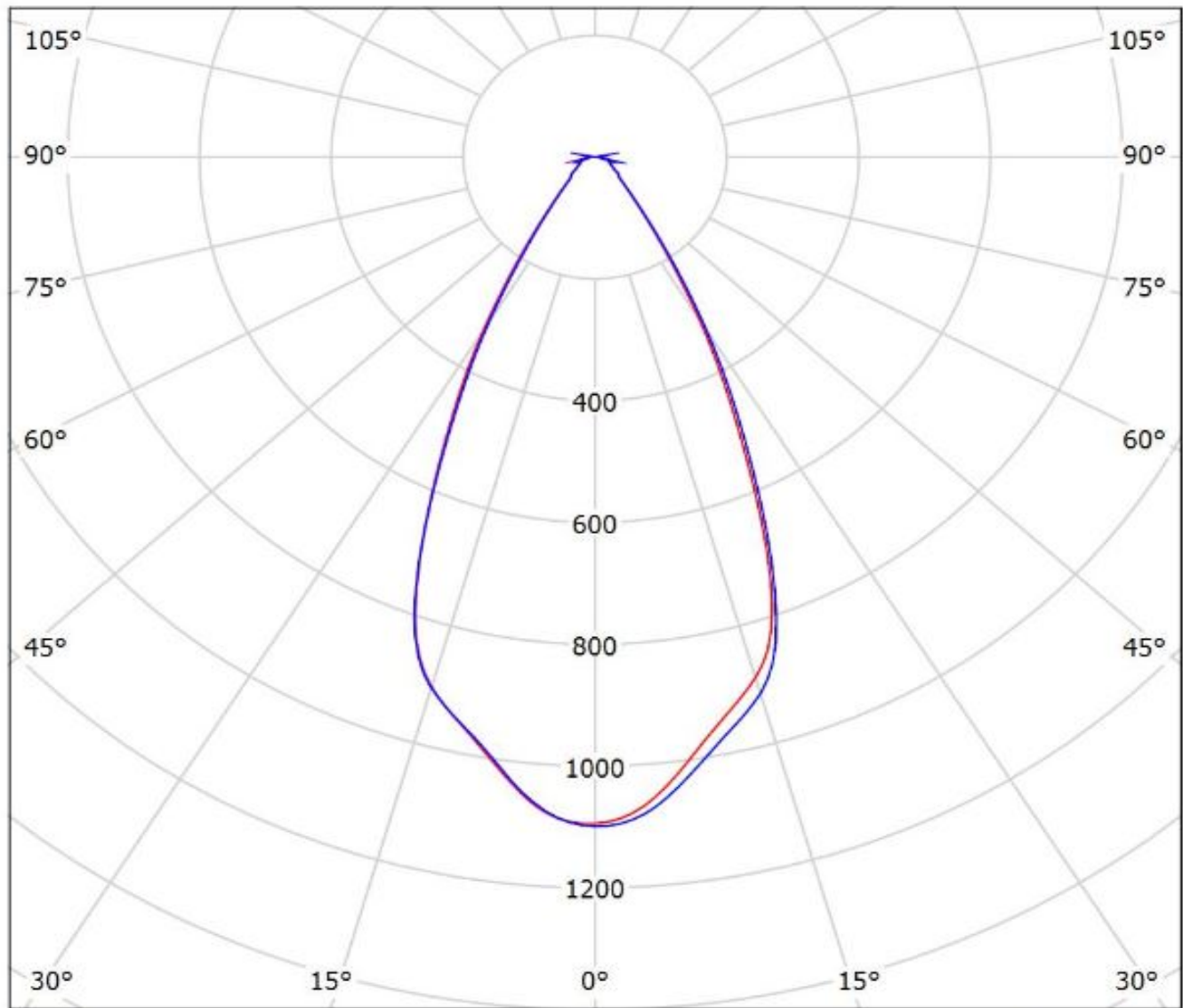
$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(XR-M\_2x2)

Lamps: 1 x Lumileds\_XR-M\_2x2\_1410.8lm@250mA\_P=11.0012W\_I=0.2498A



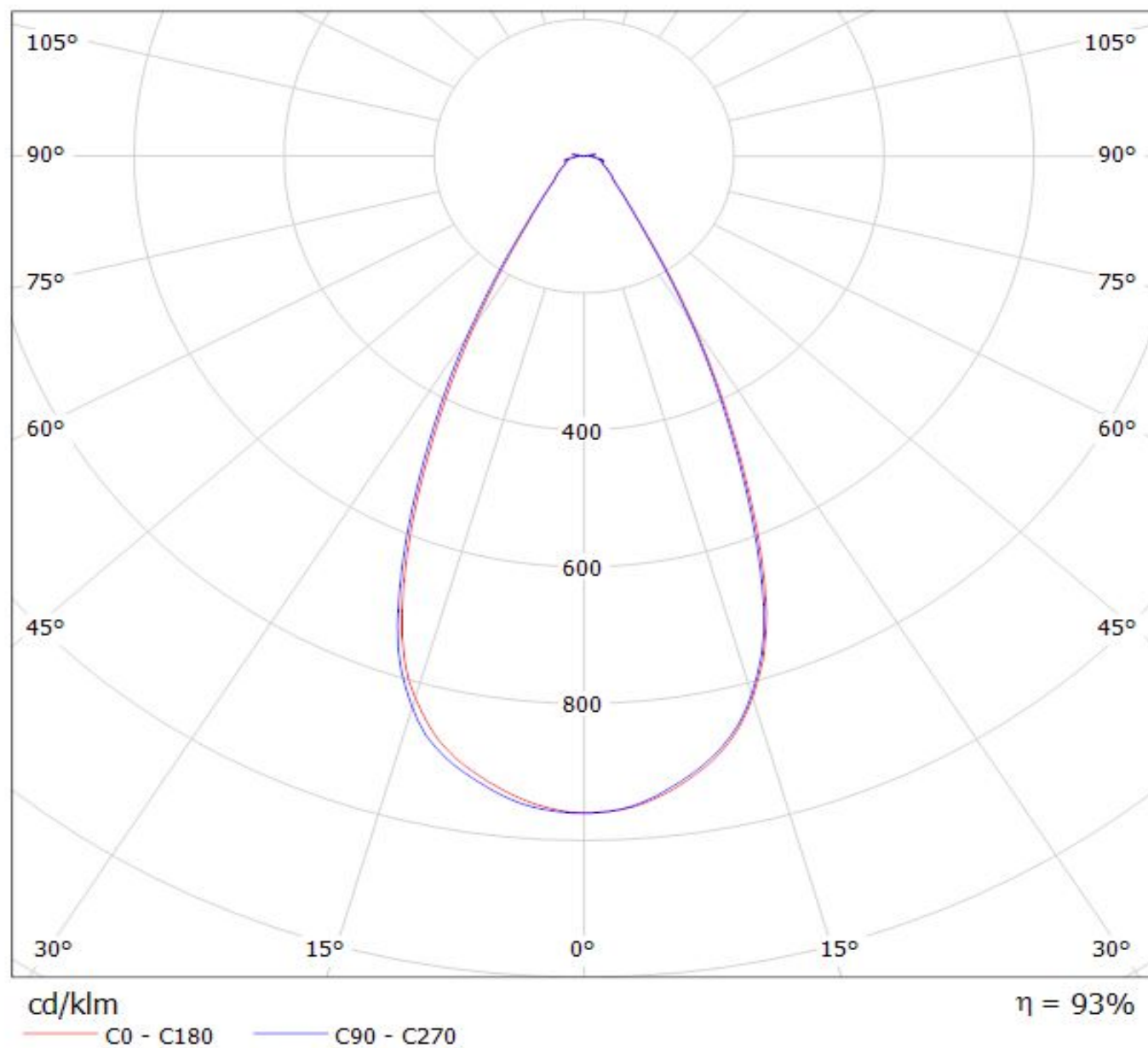
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

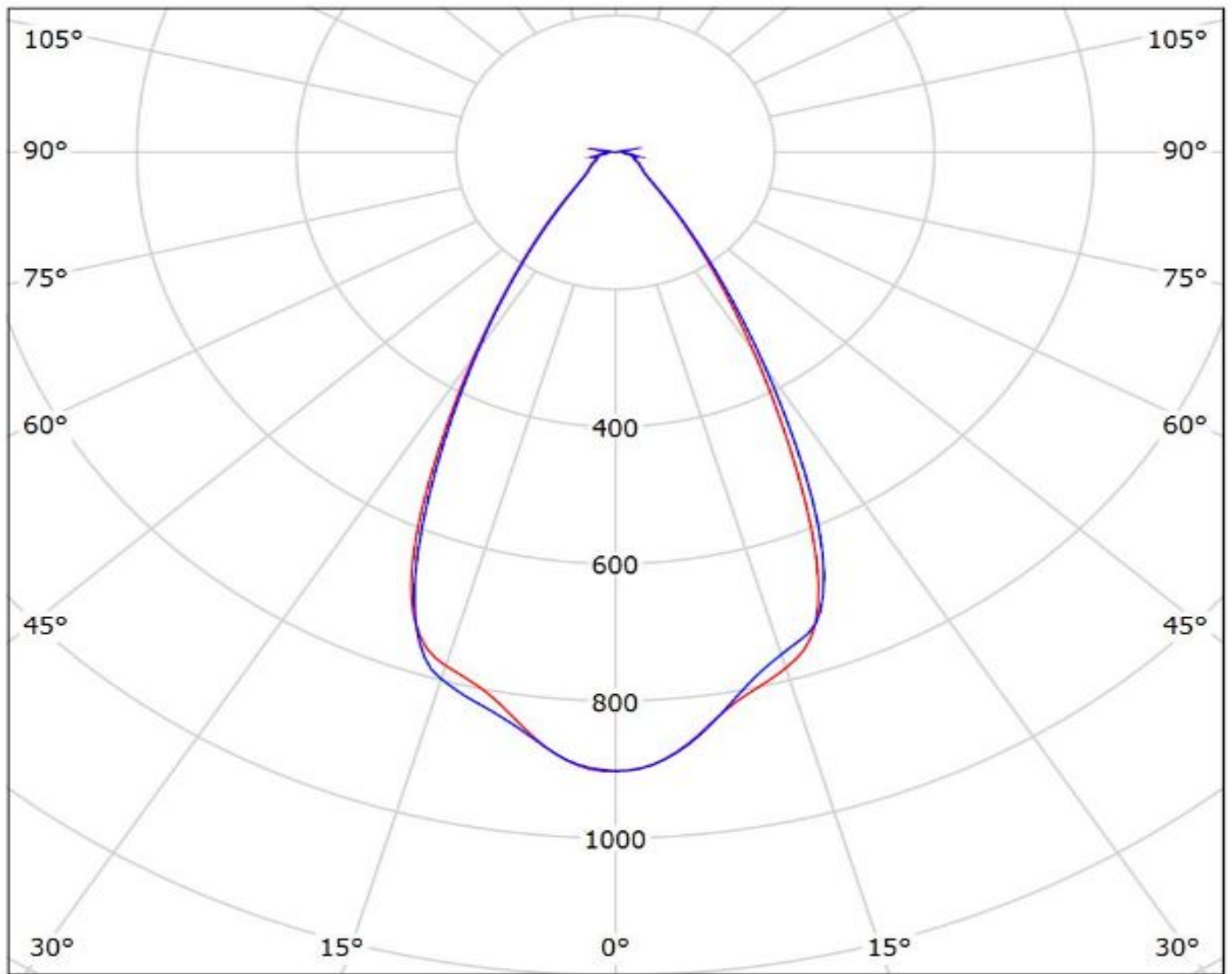
Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_1841.22lm@250mA\_P=10.9615W\_I=0.250A



# Ledil CS14713\_HB-2x2MX-W\_(XHP70) / LDC (Polar)

Luminaire: Ledil CS14713\_HB-2x2MX-W\_(XHP70)

Lamps: 1 x Cree\_XHP70-2x2MX\_1527.15lm@250mA\_P=10.997W\_I=0.25A



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.**