

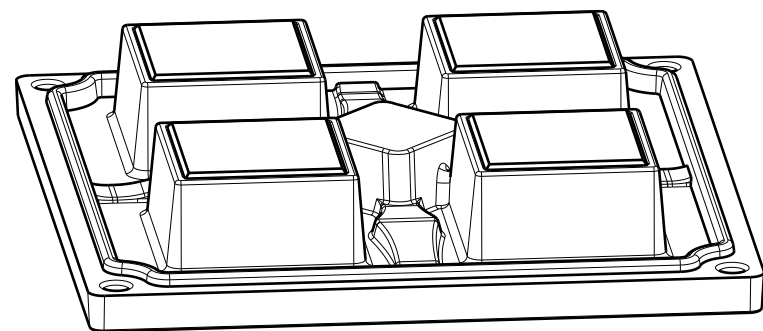
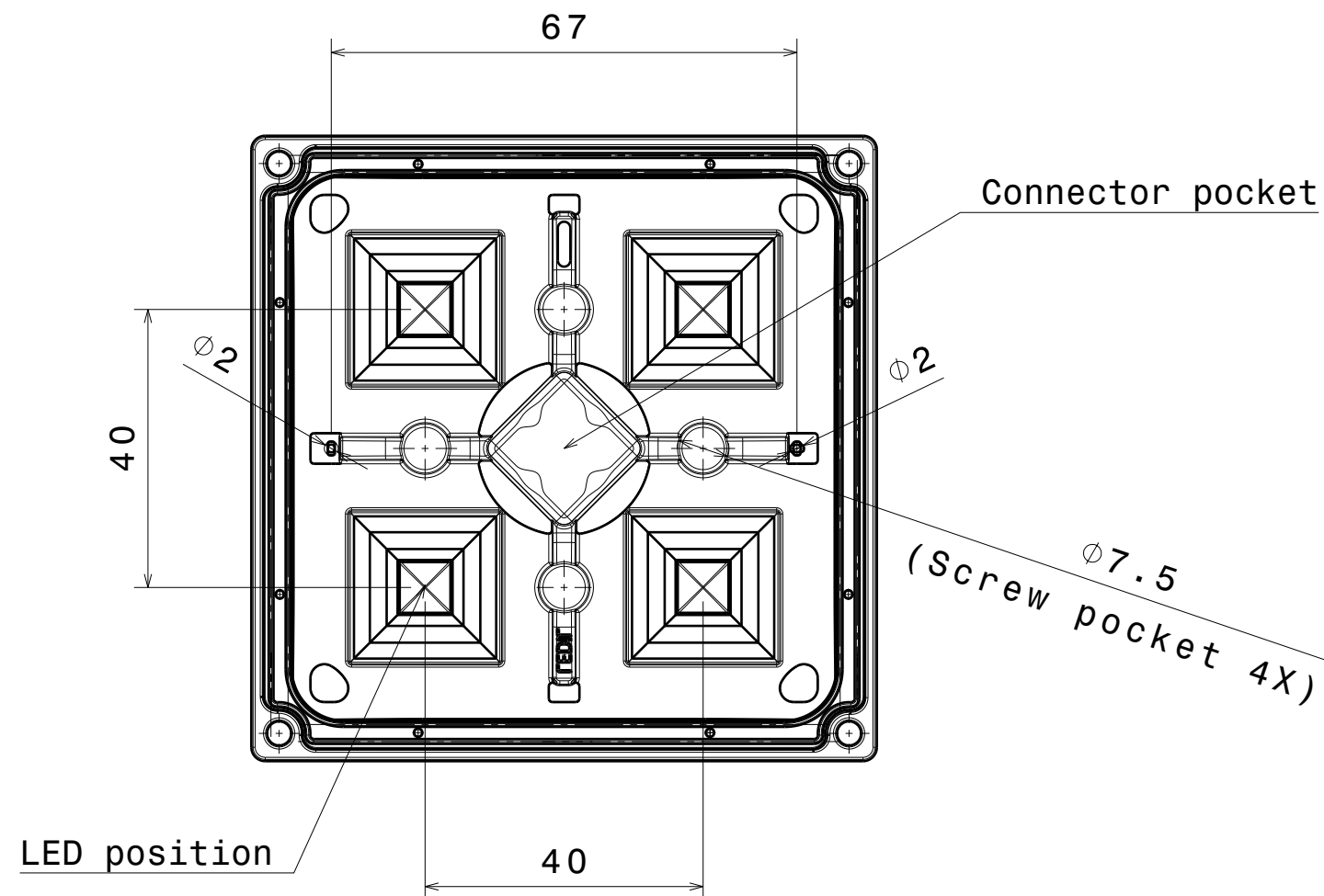
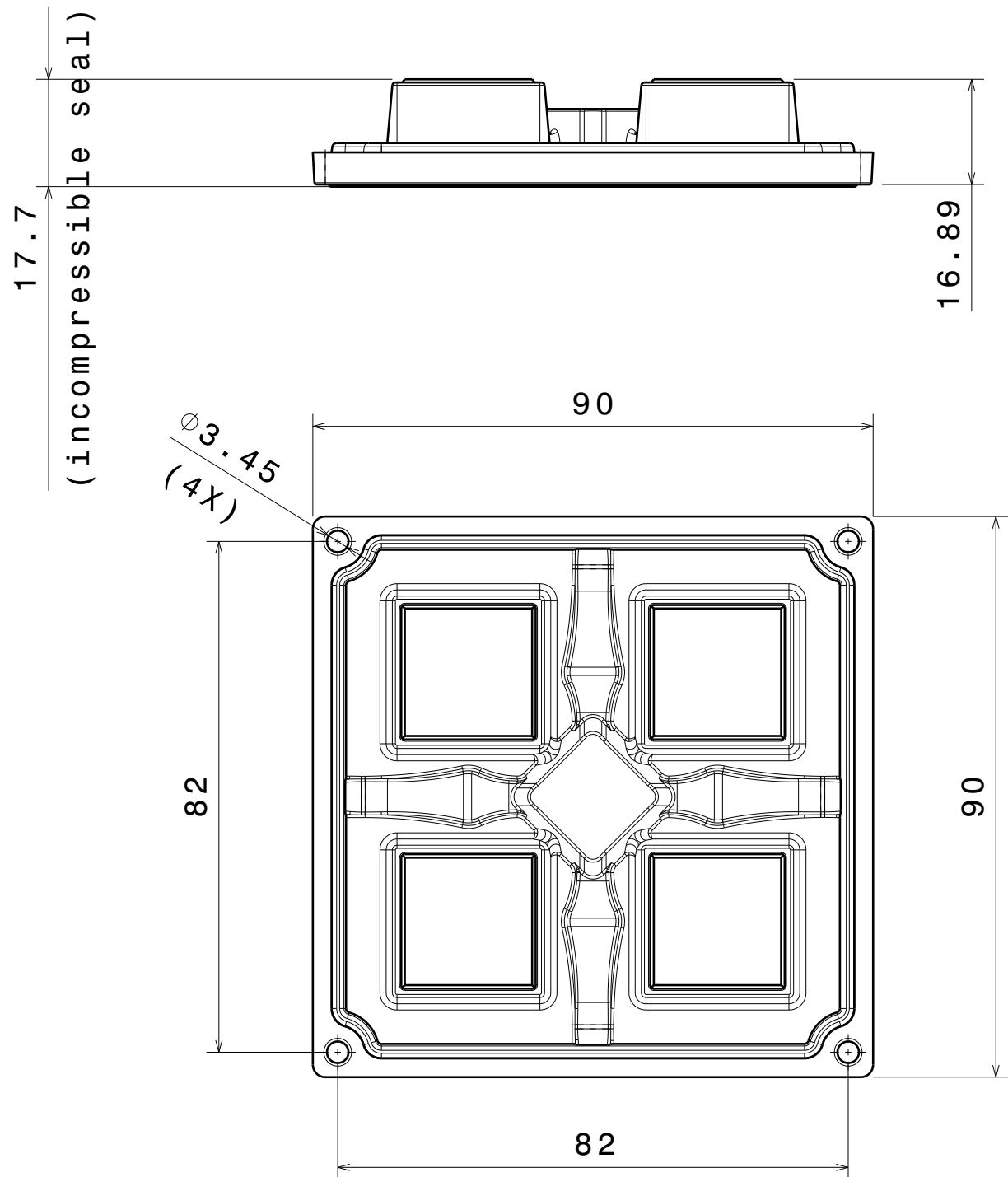
## DETAILS

<b>Product Number</b>	CS14713_HB-2X2MX-W
<b>Family</b>	HB
<b>Type</b>	Assembly
<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>	21/04/2017



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
PSL440	45 deg	Wide	91 %	1.300	-
PSL445	54 deg	Wide	93 %	0.960	-
XHP70	56 deg	Wide	91 %	0.900	-
XHP35 HD	45 deg	Wide	93 %	1.100	-
XHP50	49 deg	Wide	92 %	1.100	-
LUXEON M/MX	50 deg	Wide	93 %	1.100	-
LUXEON XR-M square 2x2	50 deg	Wide	93 %	1.100	-
LUXEON MZ	39 deg	Wide	90 %	1.500	-
NV4x144A	55 deg	Wide	93 %	0.960	-
NFMW48xA	sim: 46	Wide	sim: 90 %	sim: 1.290	-
Duris S10	sim: 57	Wide	sim: 90 %	sim: 1.100	-
Duris P10	sim: 50	Wide	sim: 83 %	sim: 0.919	-



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

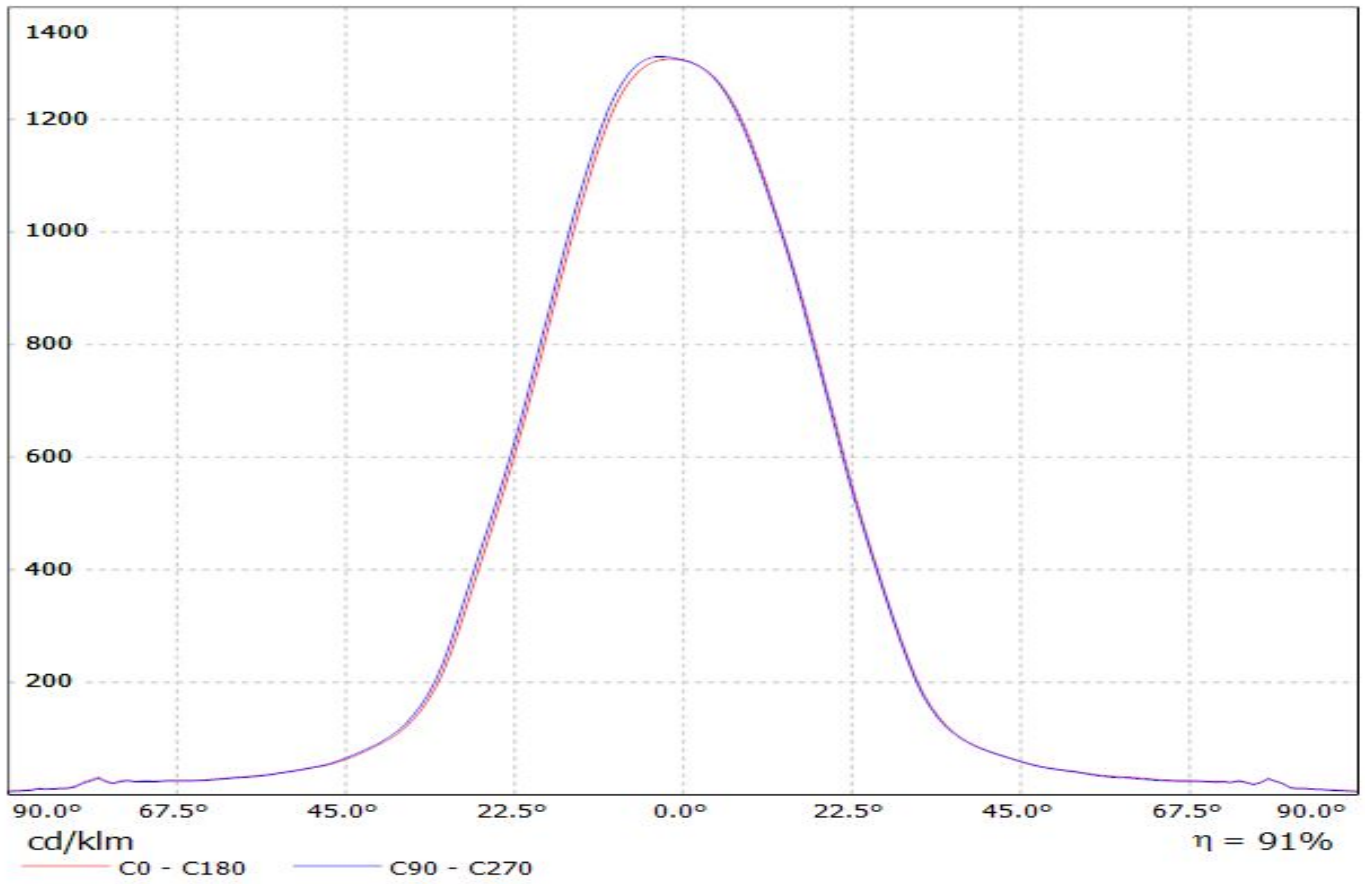
THIRD ANGLE PROJECTION:

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

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SIZE	PART NUMBER	SCALE	WEIGHT	SHEET
A3	CS14713	1:1	49.9 g	1/1

Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(PSL440)\_GS  
Lamps: 1 x Citizen\_PSL440\_1034.87lm@250mA\_P=11.3823W\_I=0.250A

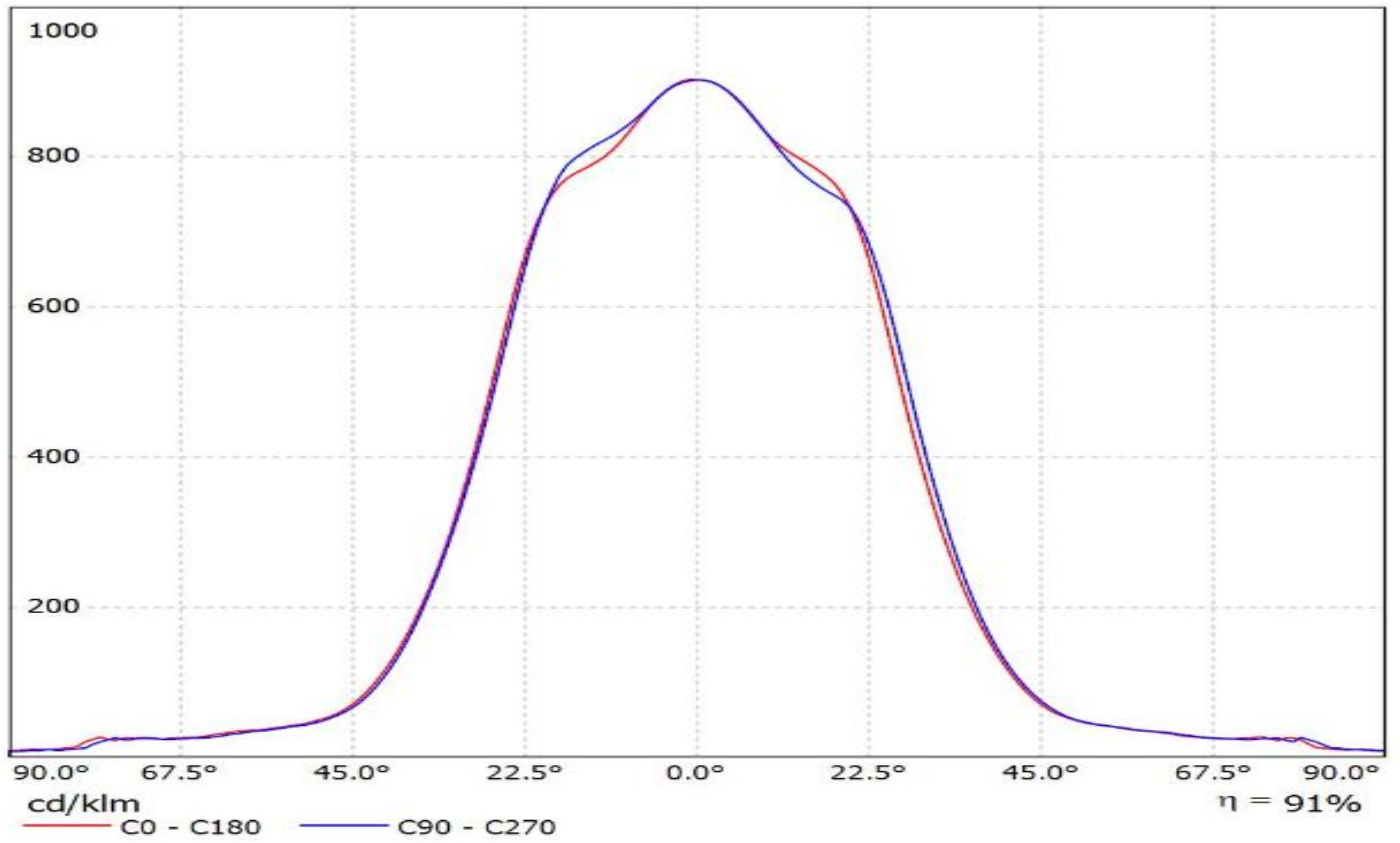




# Ledil CS14713\_HB-2x2MX-W\_(XHP70) / LDC (Linear)

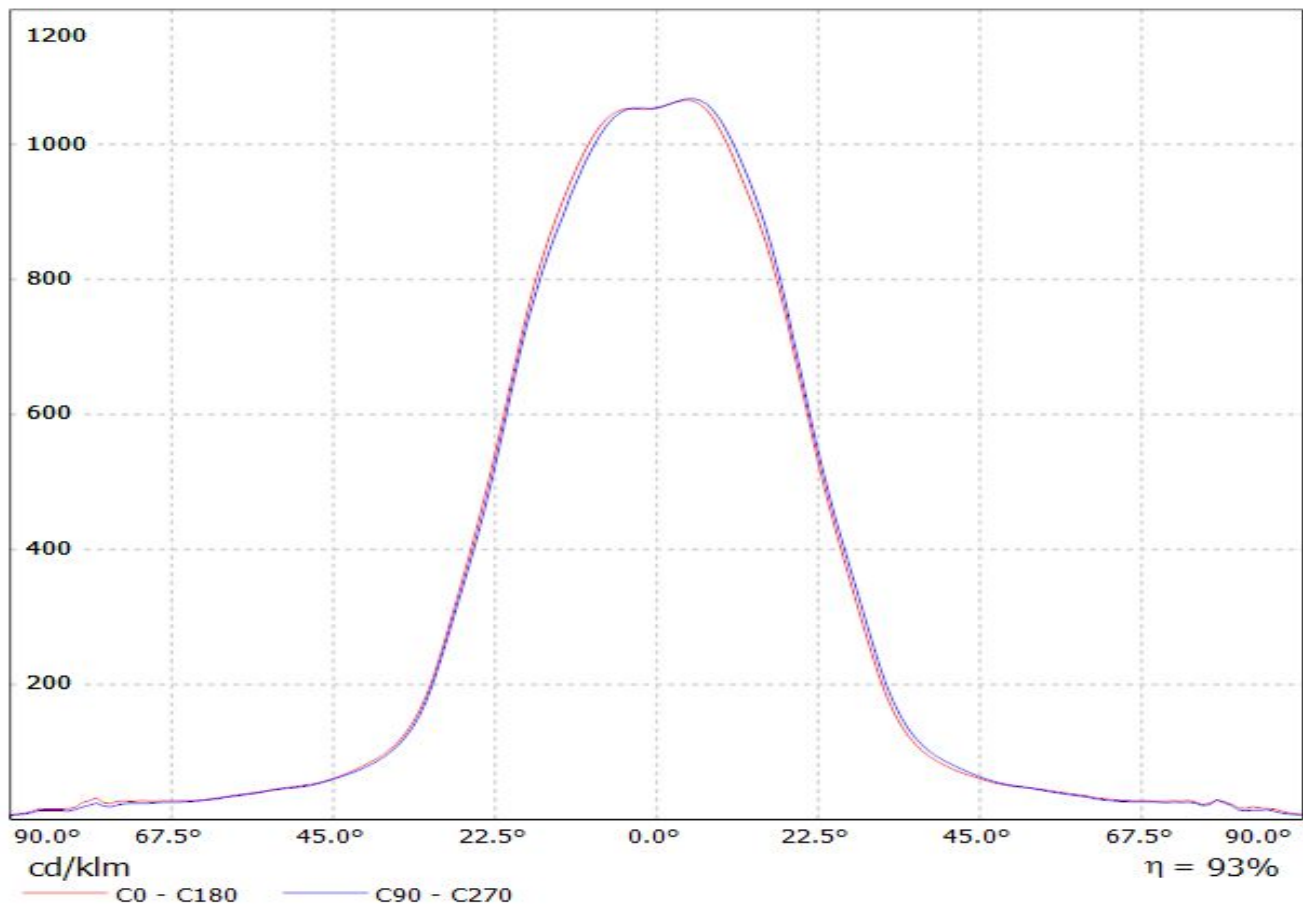
Luminaire: Ledil CS14713\_HB-2x2MX-W\_(XHP70)

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

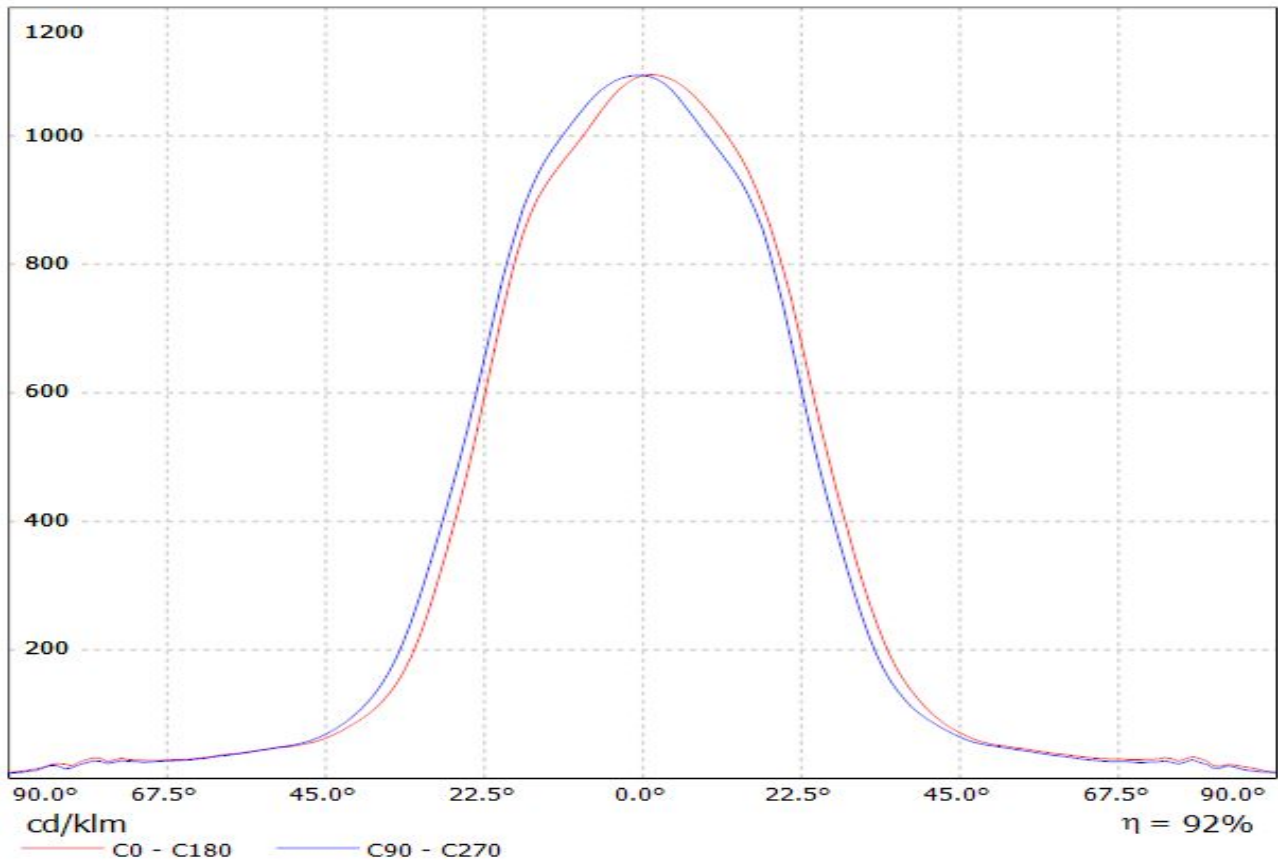


Luminaire: LEDiL Oy CS14713HB-2X2MX-W\_(XHP35\_HD)

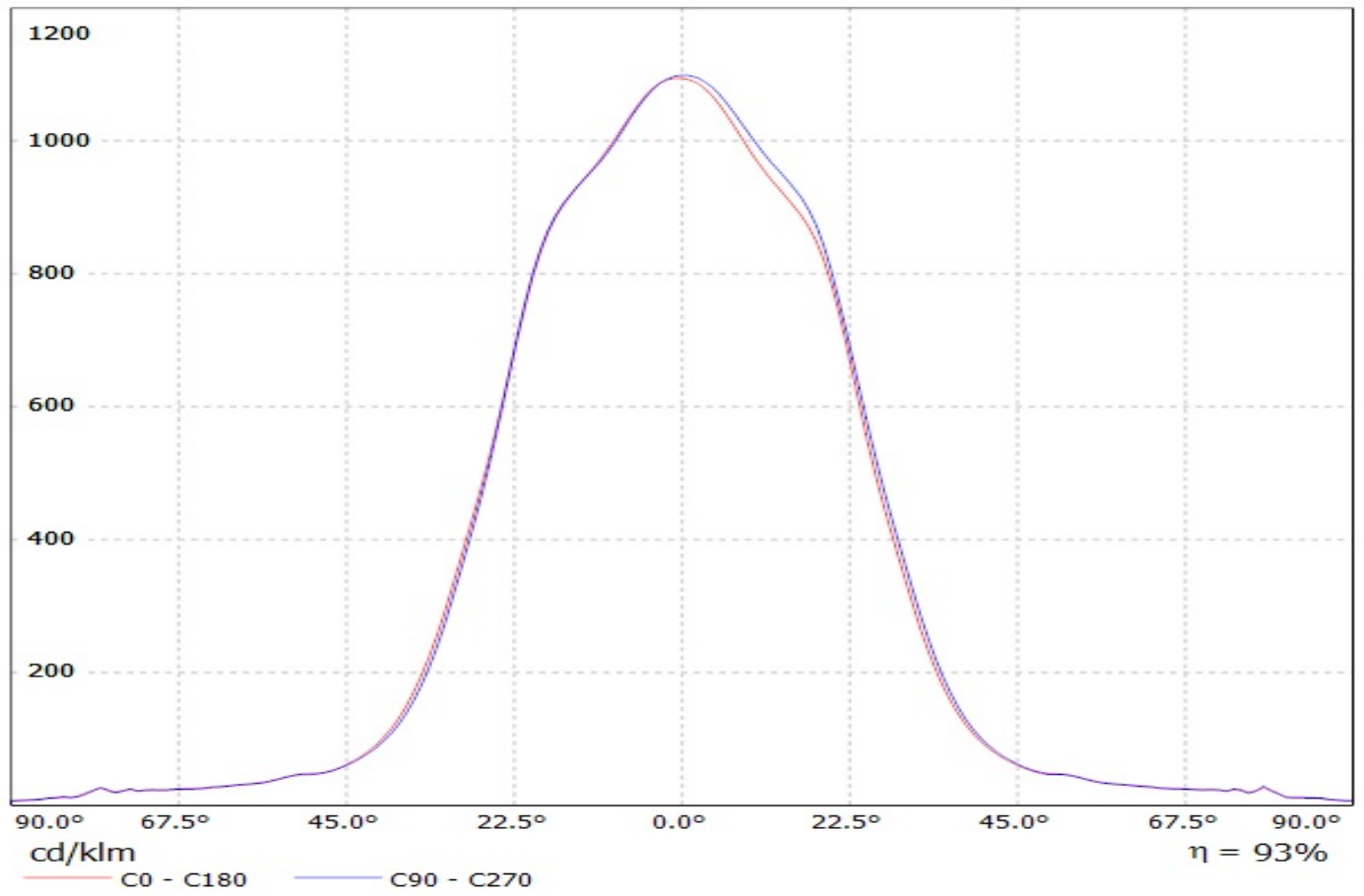
Lamps: 1 x Cree\_XHP35\_HD\_(XHP35A-0-2D0-D40-D0-B-01)\_1728.98lm@250mA\_P=11.3112W\_I=0.250A



Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(XHP50)  
Lamps: 1 x Cree\_XHP50\_(XHP50-0-1B0-J20-D0-B-01)\_1815.51lm@250mA\_P=11.4658W\_I=0.250A



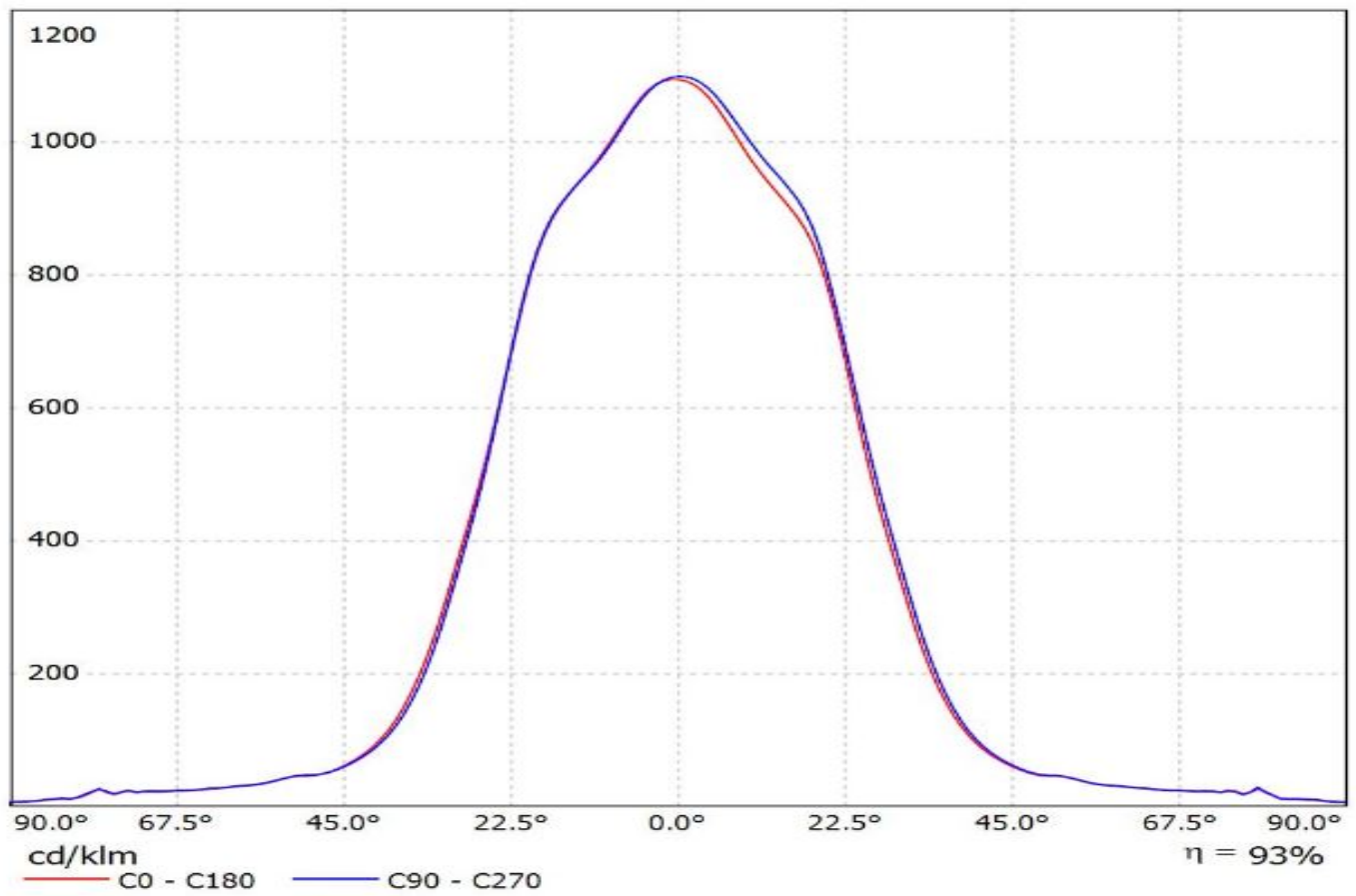
Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(Luxeon\_M)  
Lamps: 1 x Luxeon\_M\_(LXM8-SW30)\_(2x2MX)\_1410.8lm@250mA\_P=11.0012W\_I=0.2498A





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

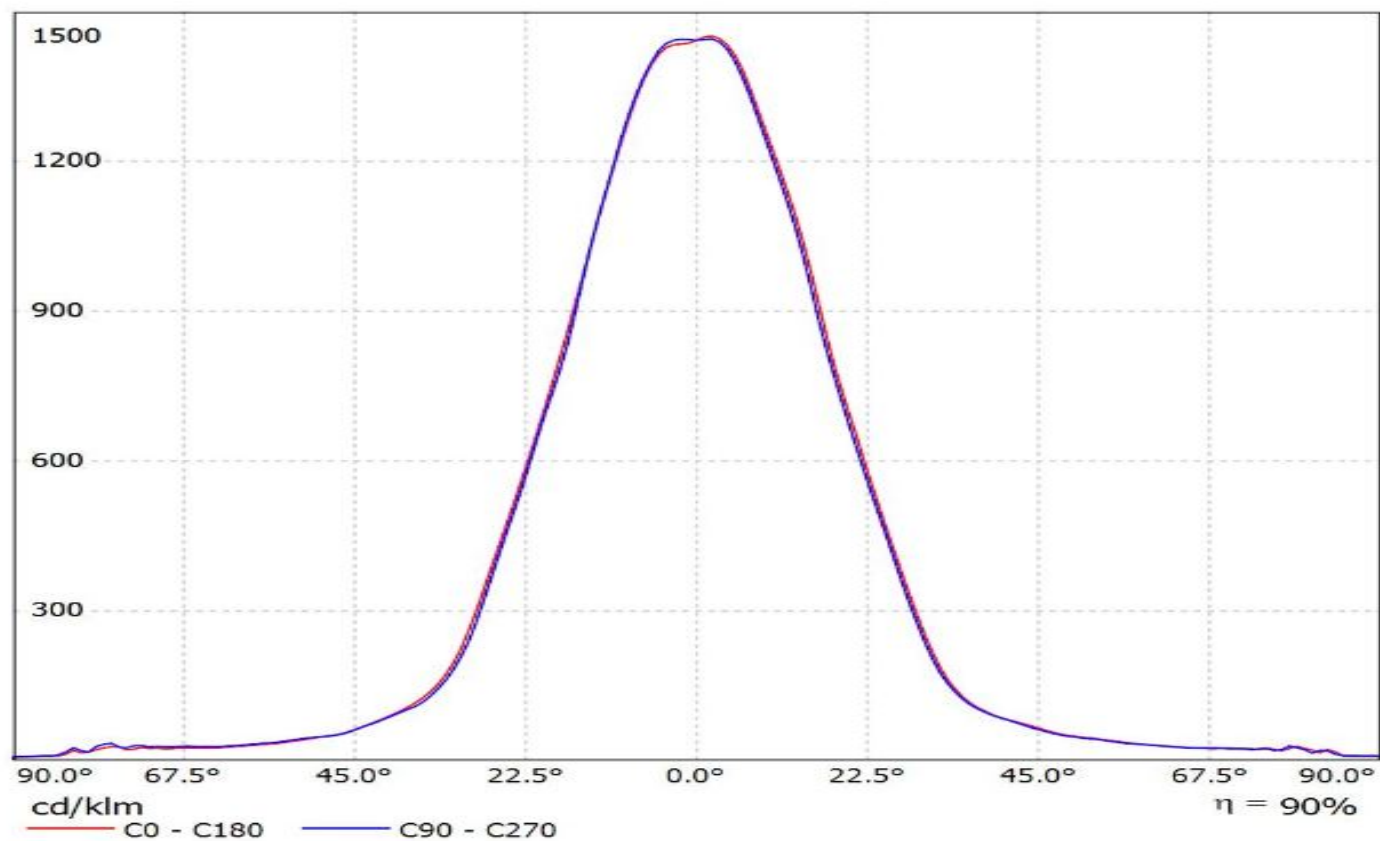
Lamps: 1 x Lumileds\_XR-M\_2x2\_1410.8lm@250mA\_P=11.0012W\_I=0.2498A



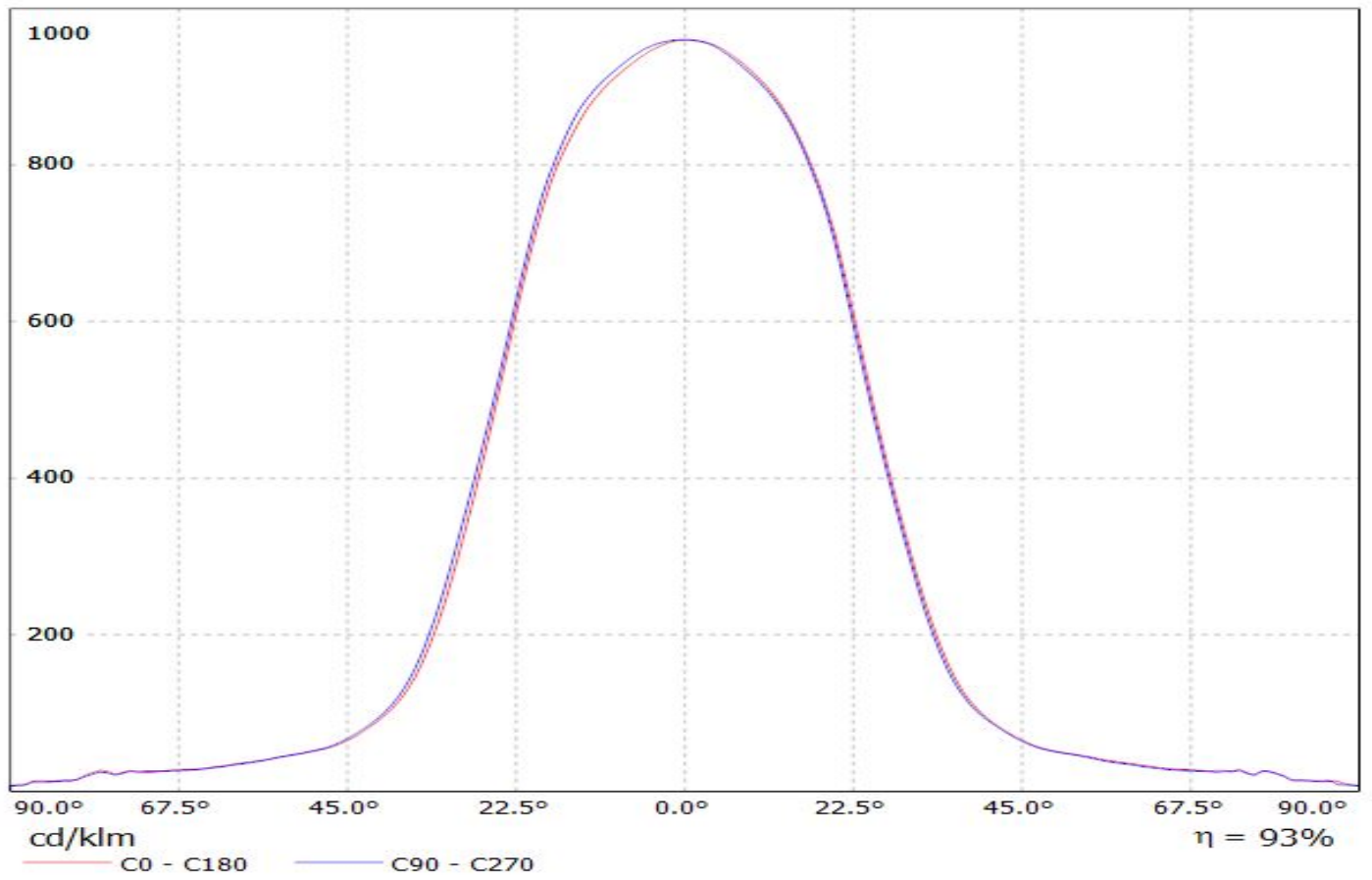
## Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ) / LDC (Linear)

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

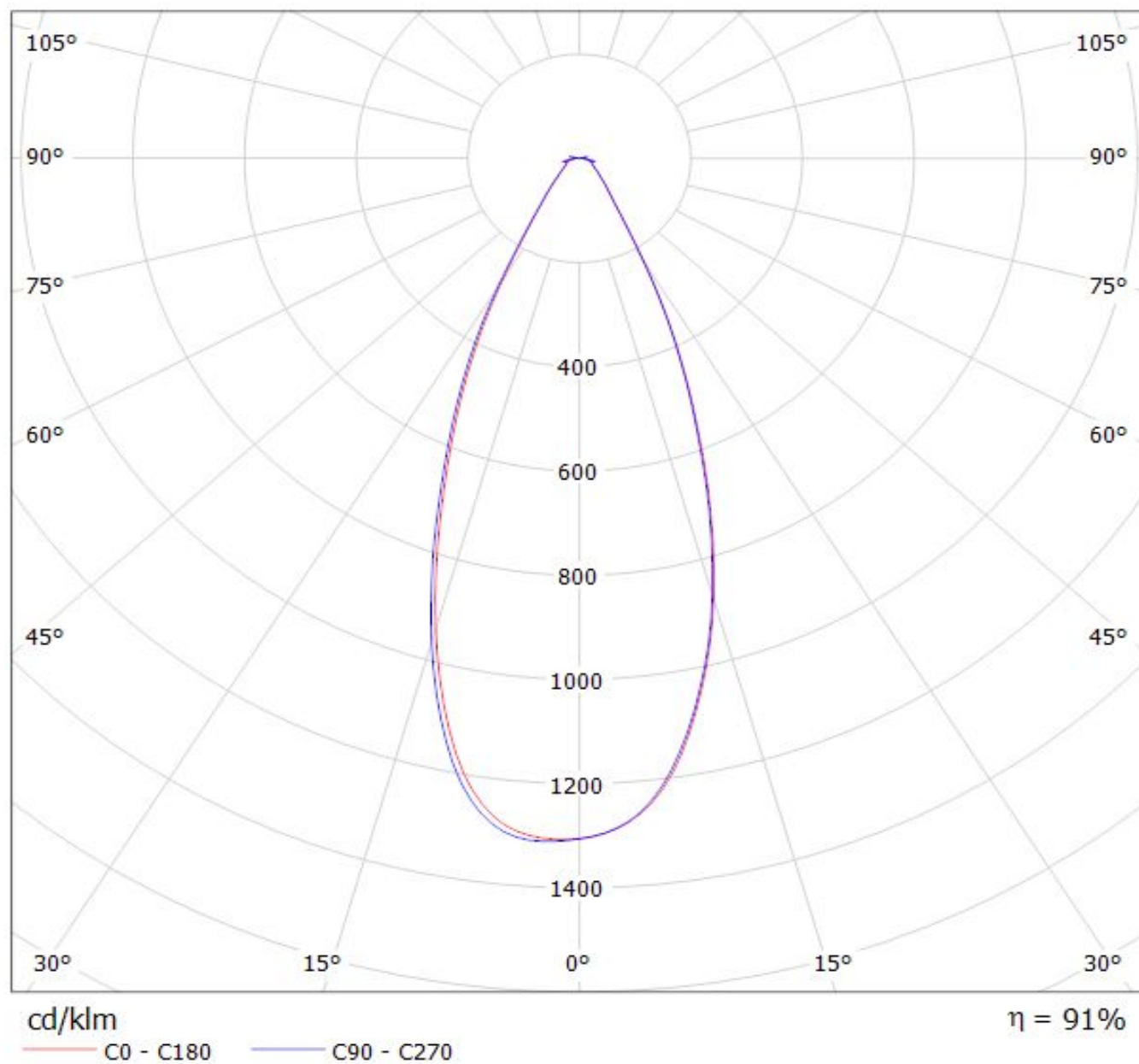
Lamps: 1 x Luxeon\_MZ-2x2MX\_(LMZ9-SW30)\_1123.93lm@250mA\_CCT=3000K\_P=10.967W\_I=0.25A



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

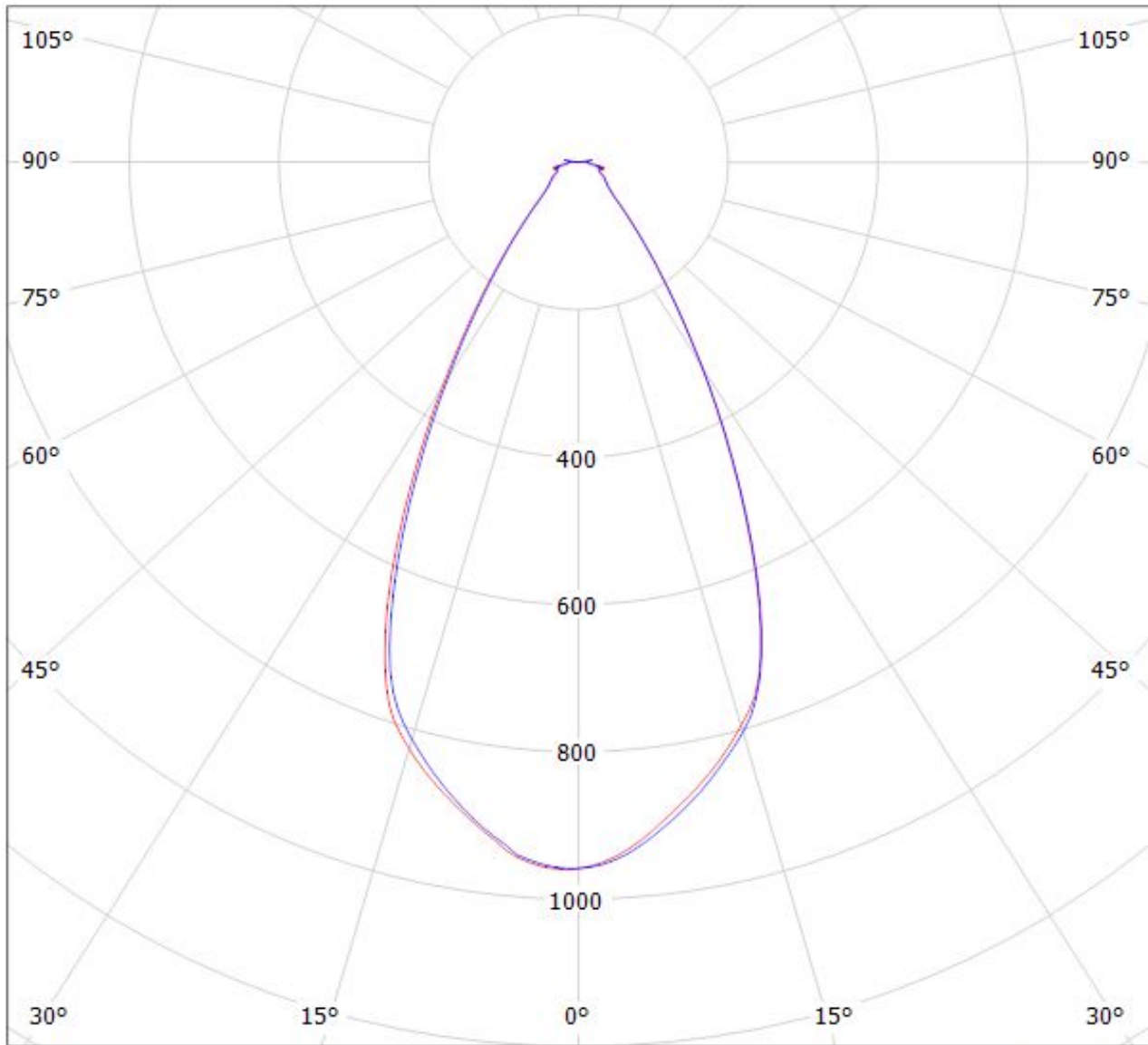


Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(PSL440)\_GS  
Lamps: 1 x Citizen\_PSL440\_1034.87lm@250mA\_P=11.3823W\_I=0.250A



Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(PSL445)

Lamps: 1 x Citizen\_PSL445\_2x2\_1674.9lm@250mA\_P=11.1421W\_I=0.250A\_CCT=2700K



cd/klm

— C0 - C180

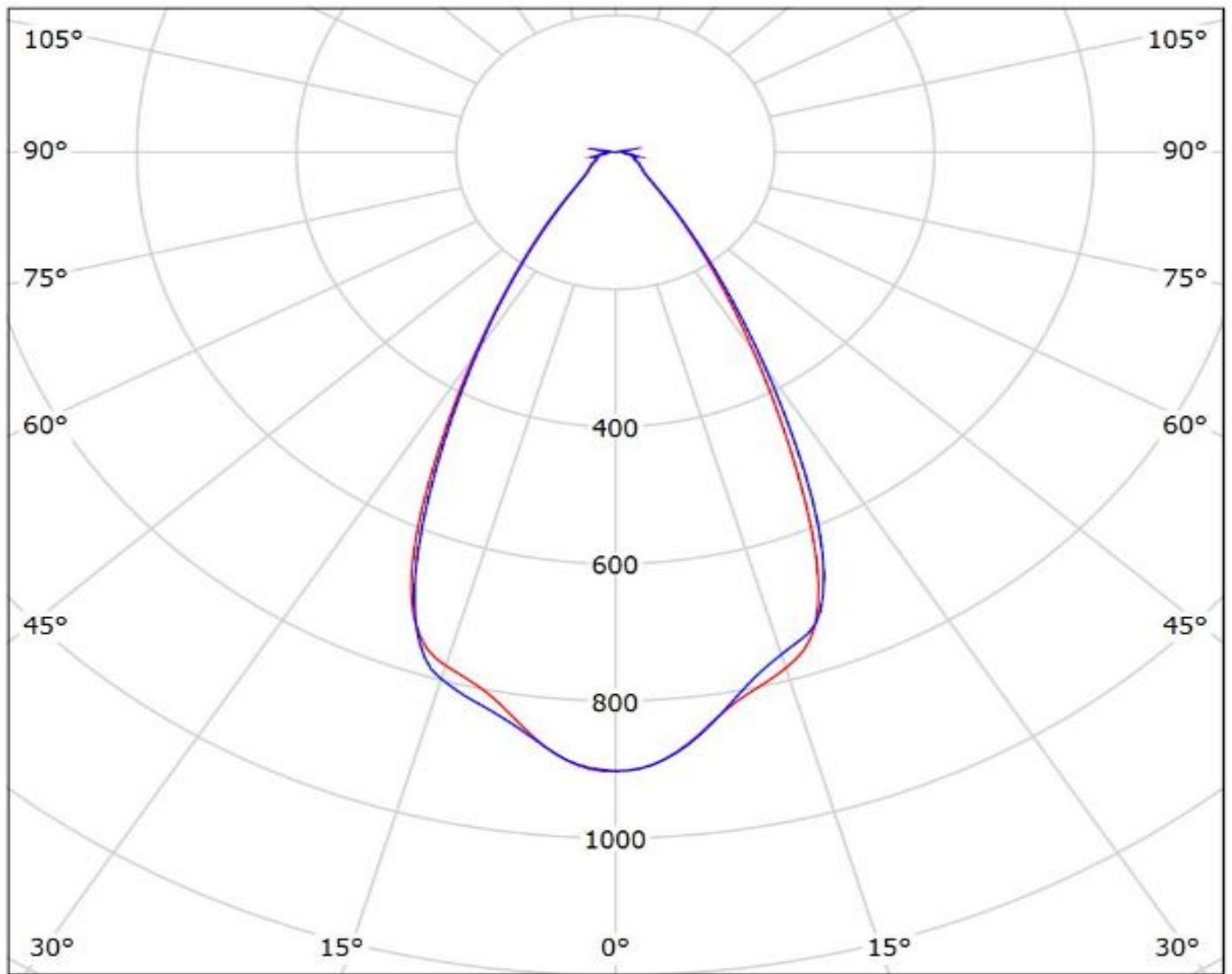
— C90 - C270

$\eta = 93\%$

# 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



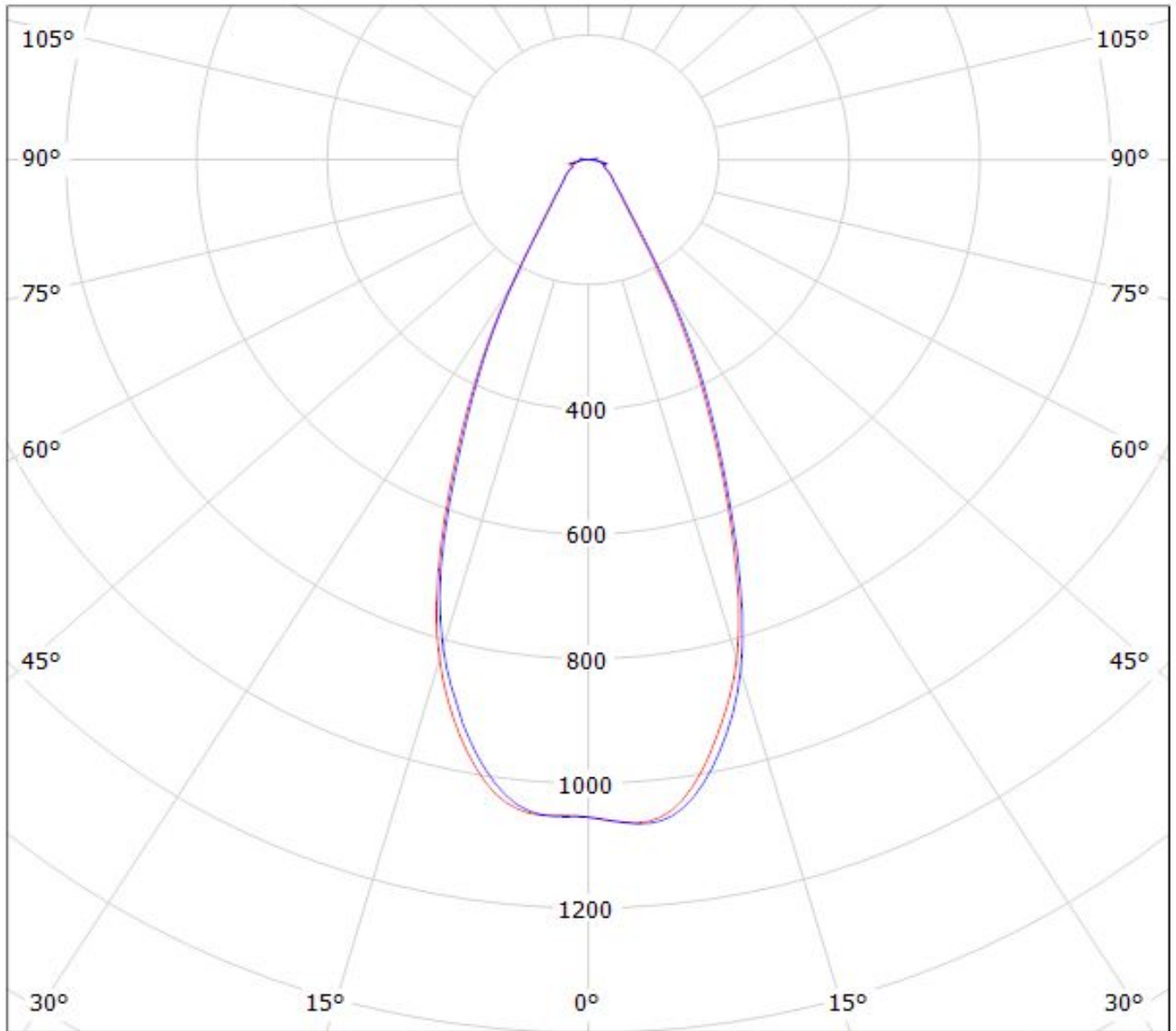
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CS14713HB-2X2MX-W\_(XHP35\_HD)

Lamps: 1 x Cree\_XHP35\_HD\_(XHP35A-0-2D0-D40-D0-B-01)\_1728.98lm@250mA\_P=11.3112W\_I=0.250A



cd/klm

— C0 - C180

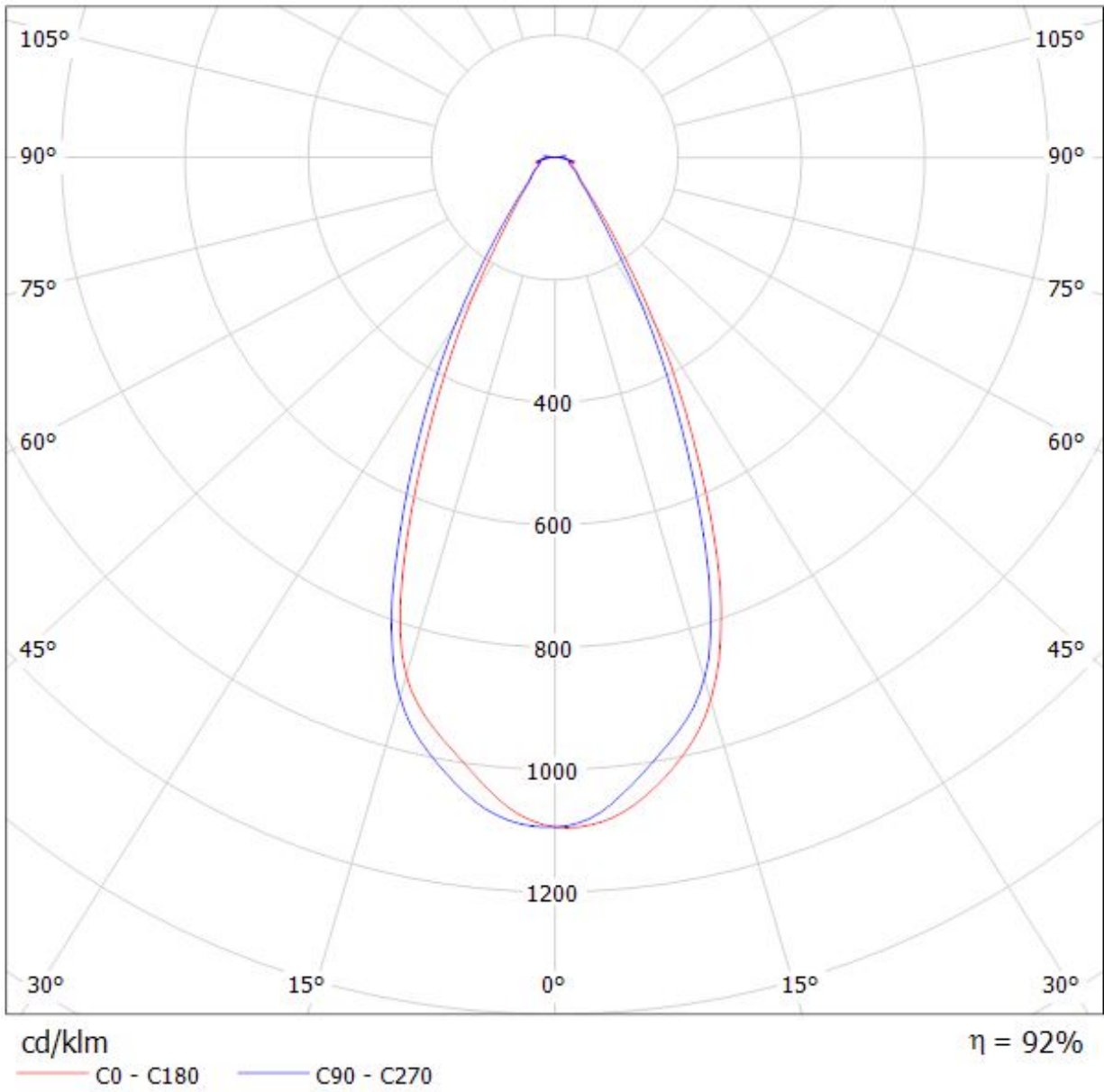
— C90 - C270

$\eta = 93\%$



Luminaire: LEDiL Oy CS14713\_HB-2X2MX-W\_(XHP50)

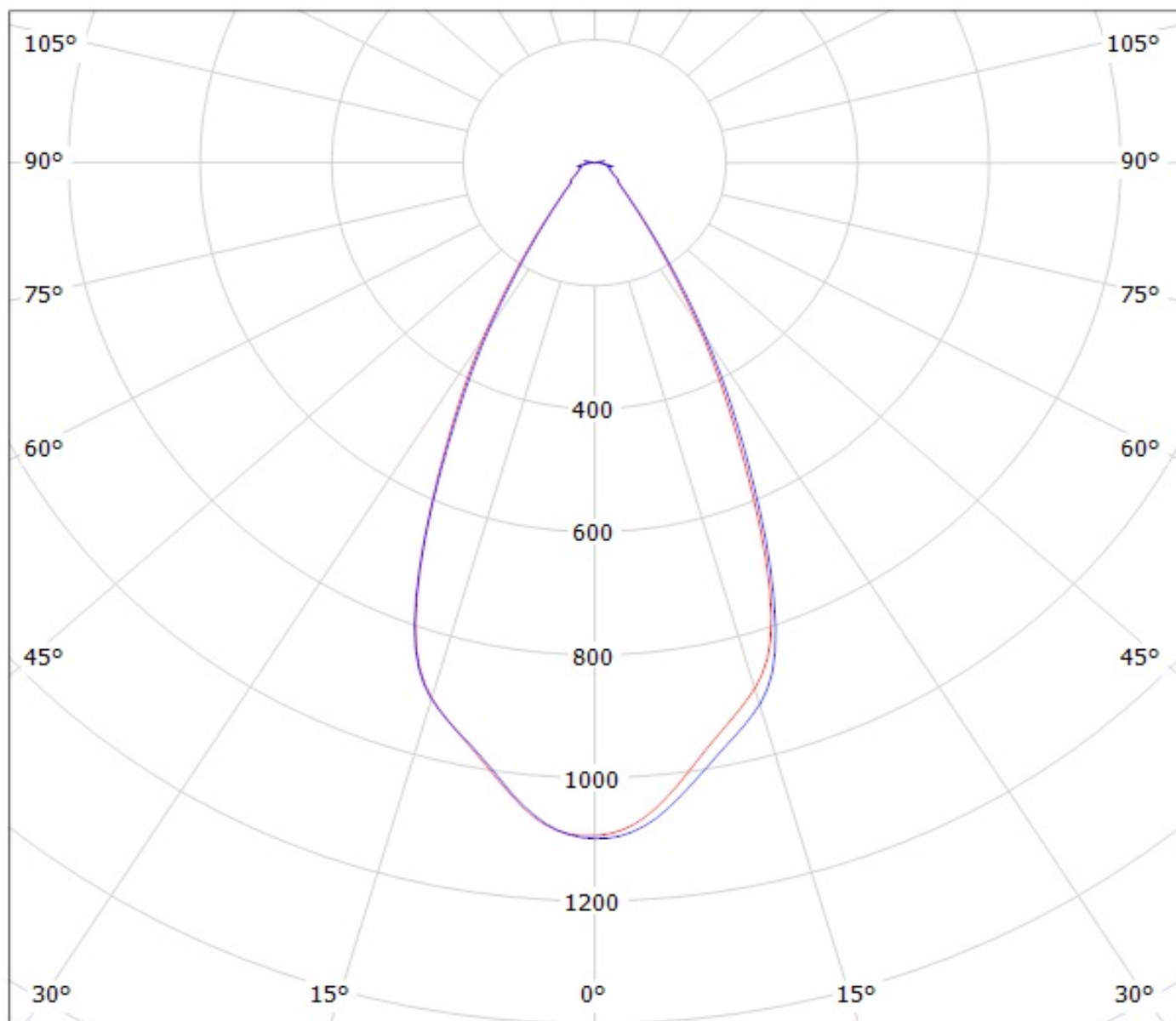
Lamps: 1 x Cree\_XHP50\_(XHP50-0-1B0-J20-D0-B-01)\_1815.51lm@250mA\_P=11.4658W\_I=0.250A





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

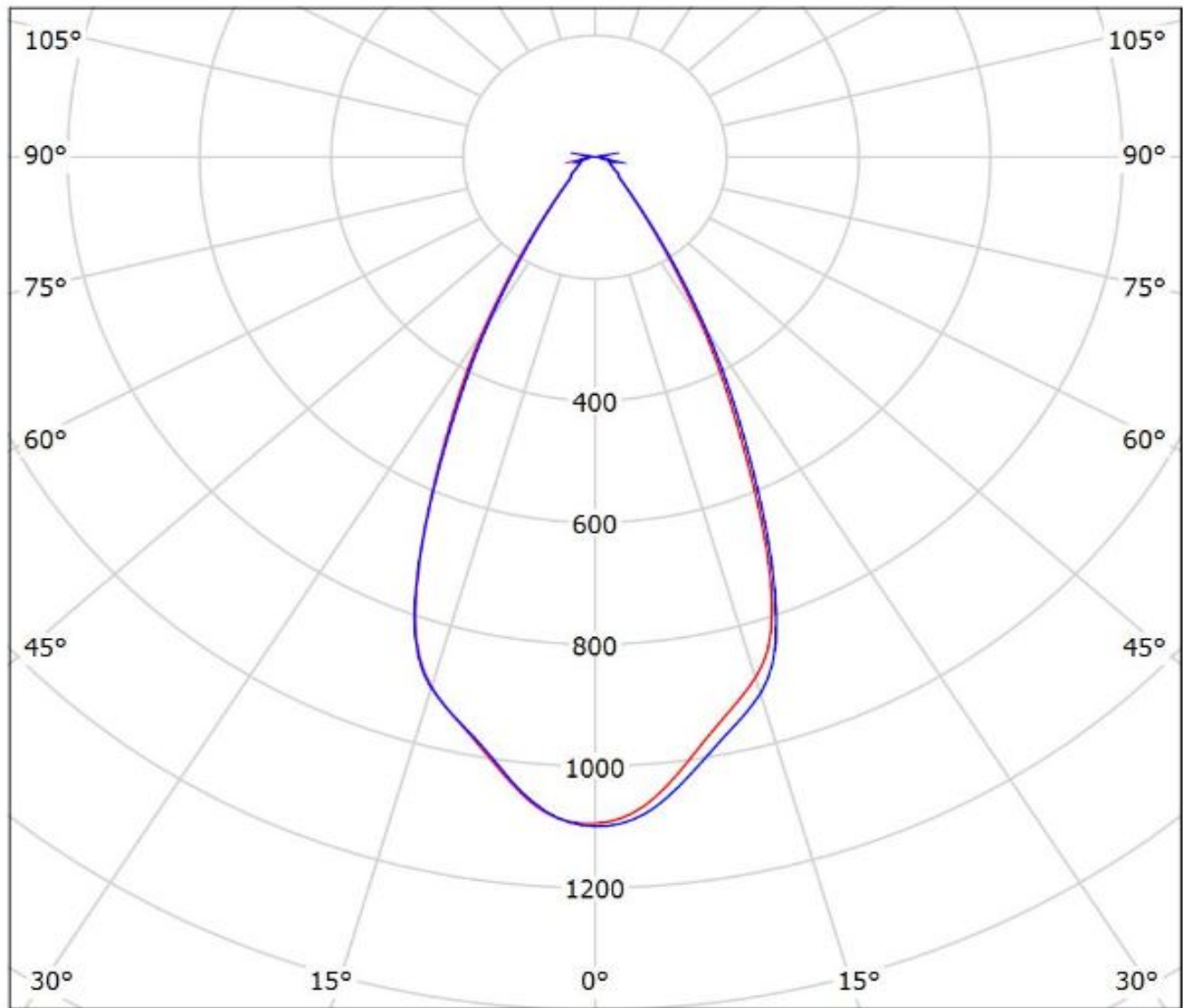
— C0 - C180

— C90 - C270

$\eta = 93\%$

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

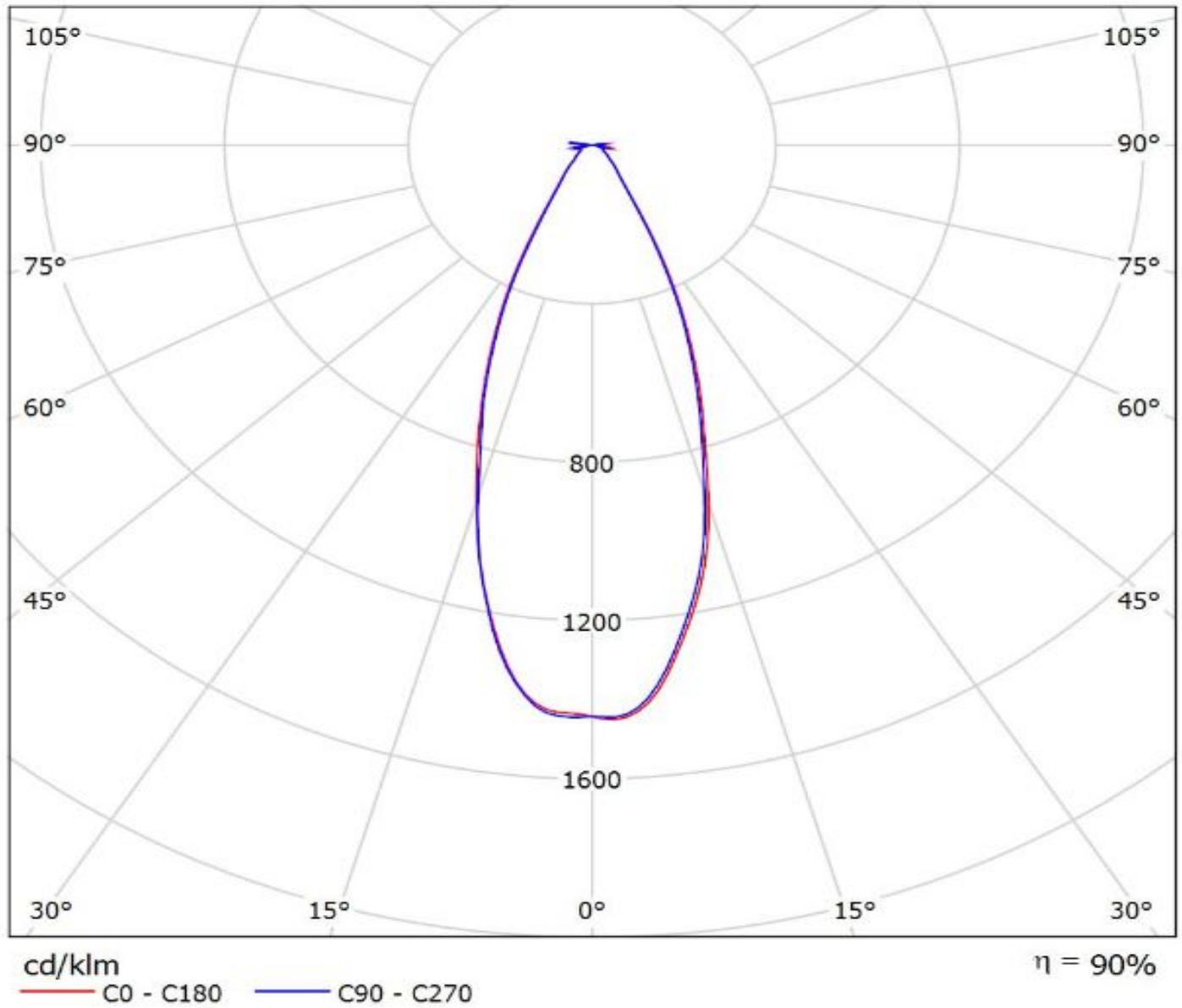
— C90 - C270

$\eta = 93\%$

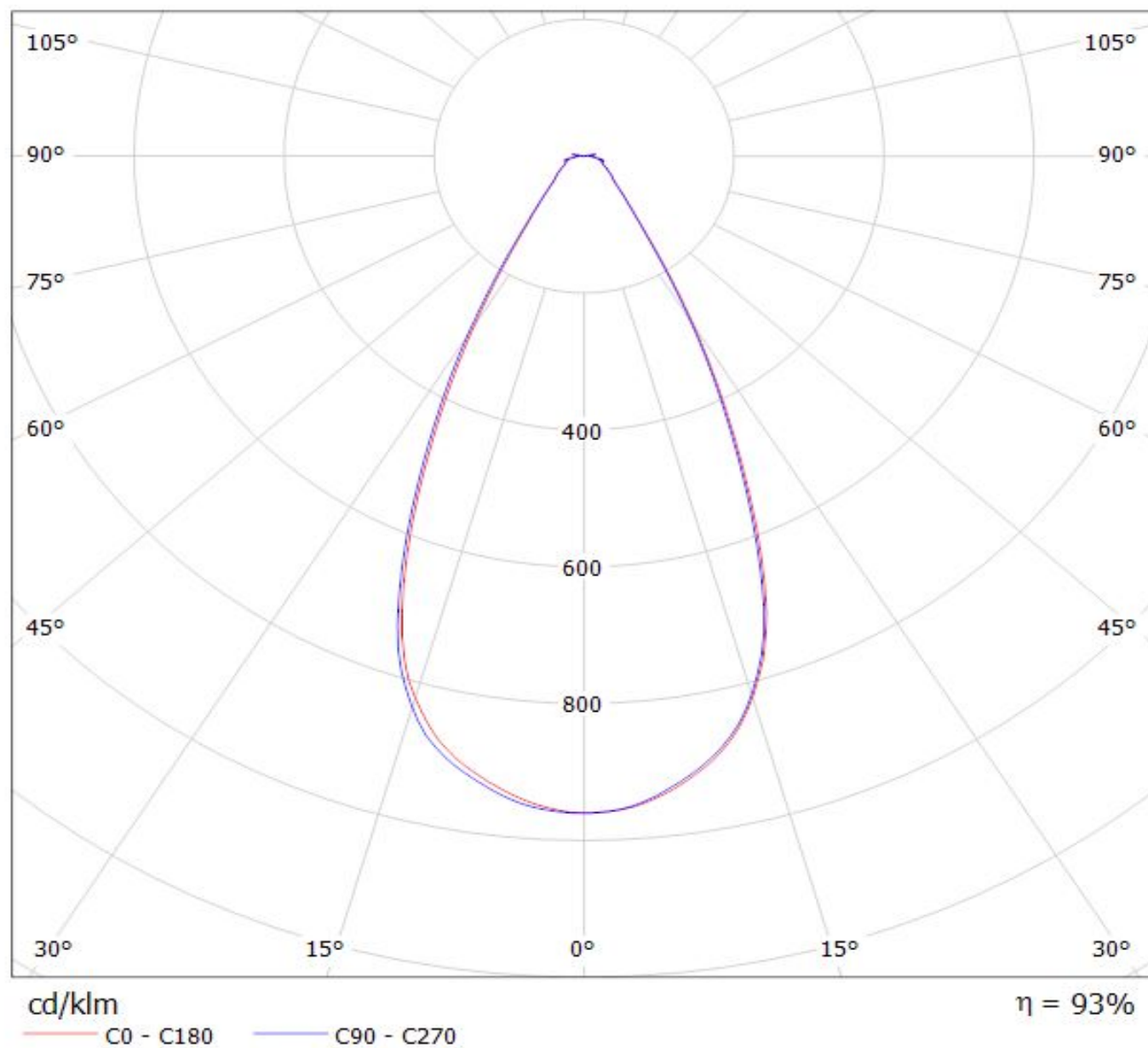
# Ledil CS14713\_HB-2x2MX-W\_(Luxeon\_MZ) / LDC (Polar)

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

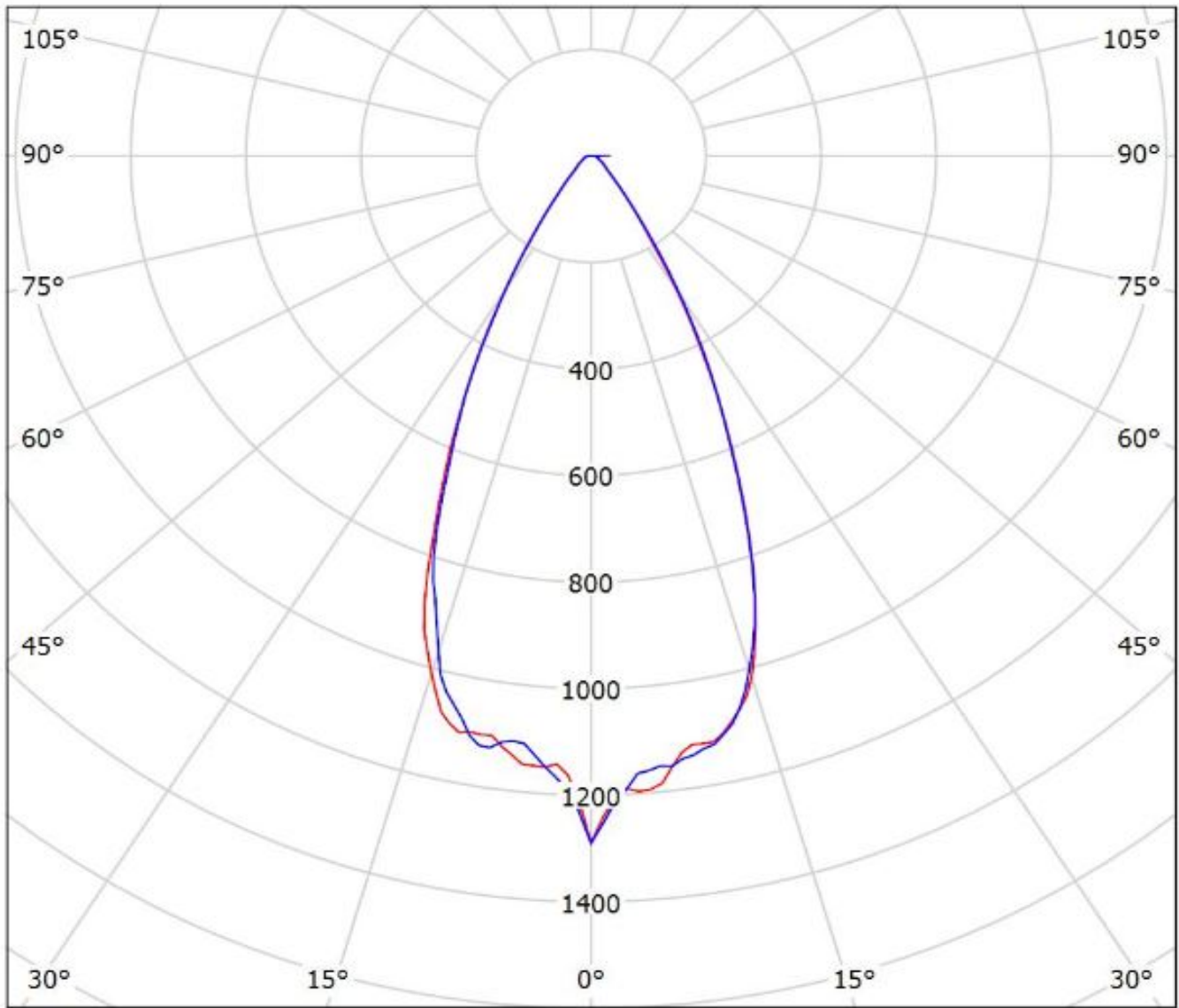
Lamps: 1 x Luxeon\_MZ-2x2MX\_(LMZ9-SW30)\_1123.93lm@250mA\_CCT=3000K\_P=10.967W\_I=0.25A



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



Luminaire: Ledil Oy CS14713\_HB-2X2MX-W\_NFMW488AR\_SIMULATED  
Lamps: 1 x NICHIA NFMW488AR



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.**