

## DETAILS

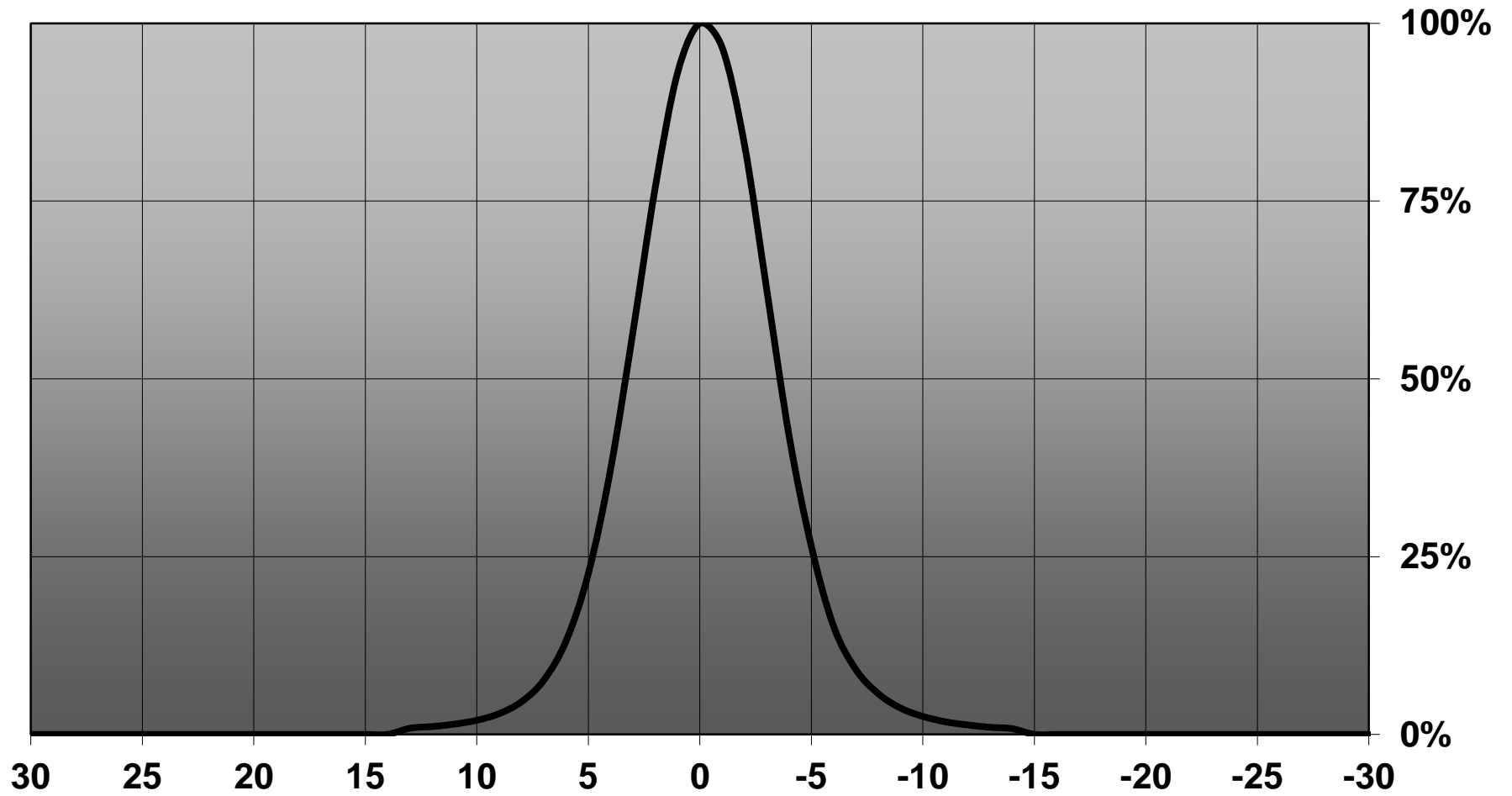
<b>Product Number</b>	CN10861_IRIS
<b>Family</b>	Iris
<b>Type</b>	Pack
<b>Color</b>	black
<b>Diameter</b>	38 mm
<b>Height</b>	28,5 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	glue, screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/04/2017

## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
MC-E	12 deg	Spot	90 %	17.500	-
XHP50	10 deg	Spot	87 %	11.100	-
MHD-E/G	17 deg	Spot	91 %	5.700	-
LUXEON M/MX	16 deg	Spot	87 %	9.100	-
LUXEON MZ	12 deg	Spot	82 %	15.840	-
LUXEON 5258	sim: 11	Spot	sim: 89 %	sim: 17.800-	
NFMW48xA	12 deg	Spot	84 %	12.800	-
Ostar Lighting	11 deg	Spot	90 %	-	-
Duris S10	13 deg	Spot	79 %	8.800	-
Duris P10	sim: 14	Spot	sim: 87 %	sim: 13.500-	
Z5M1/Z5M2	7 deg	Spot	83 %	40.400	-
Z8Y22P	sim: 6	Spot	sim: 89 %	sim: 43.690-	



**Relative intensity of CN10861\_IRIS\_(Z5M1)**

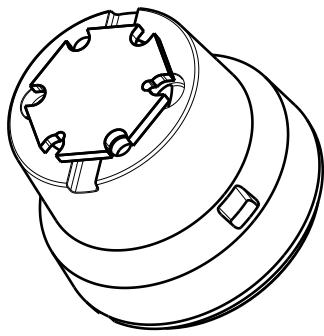


D

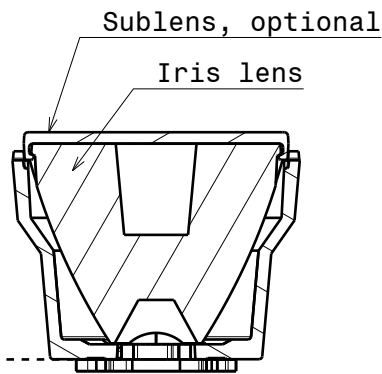
C

B

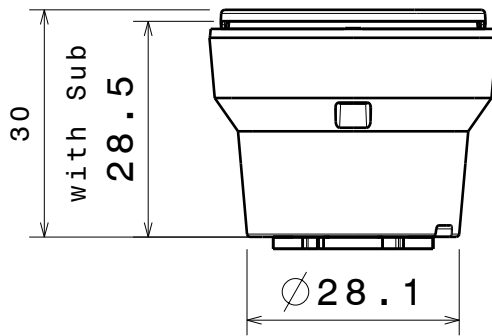
A



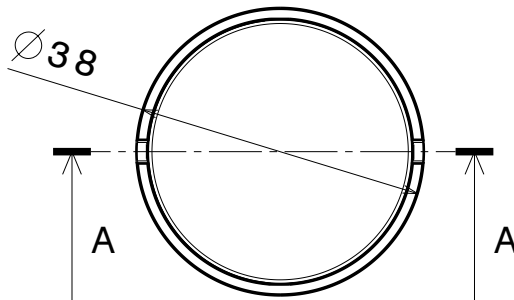
Isometric view



Section view A-A



Front view



Top view

Materials:  
 Lens PMMA  
 Holder PC

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Ledil Oy  
 Salorankatu 10  
 FIN-24100 SALO  
 Finland

DRAWING TITLE

Datasheet Iris MC/ Ostar assy

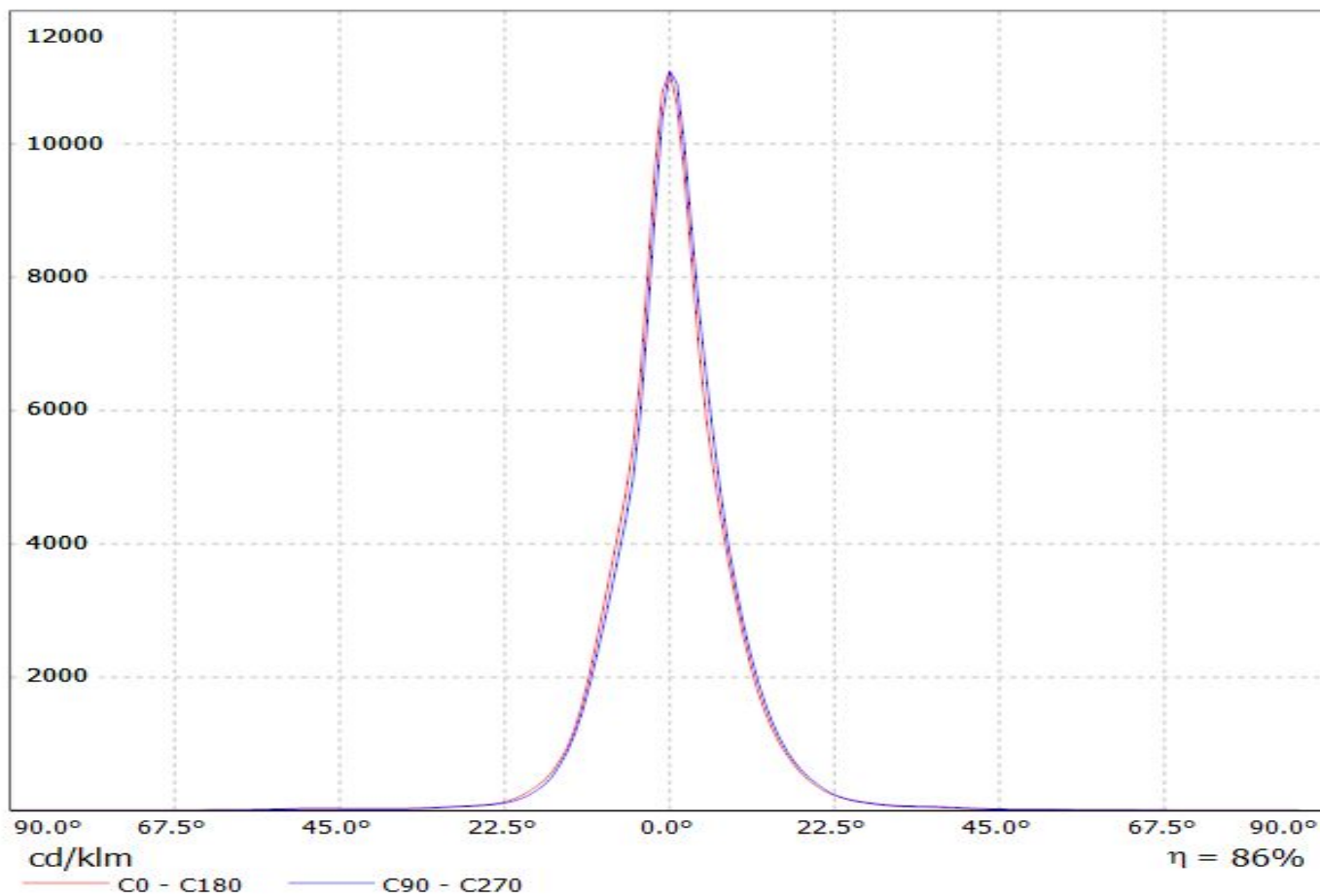
DRAWN BY a		DATE 13.4.2012		DRAWING NUMBER -			REV 1
CHECKED BY x x		DATE 13.4.2012		SIZE A4	WEIGHT (g)		SHEET 1/1
DESIGNED BY		DATE		SCALE 1:1	WEIGHT (g)		SHEET 1/1

D

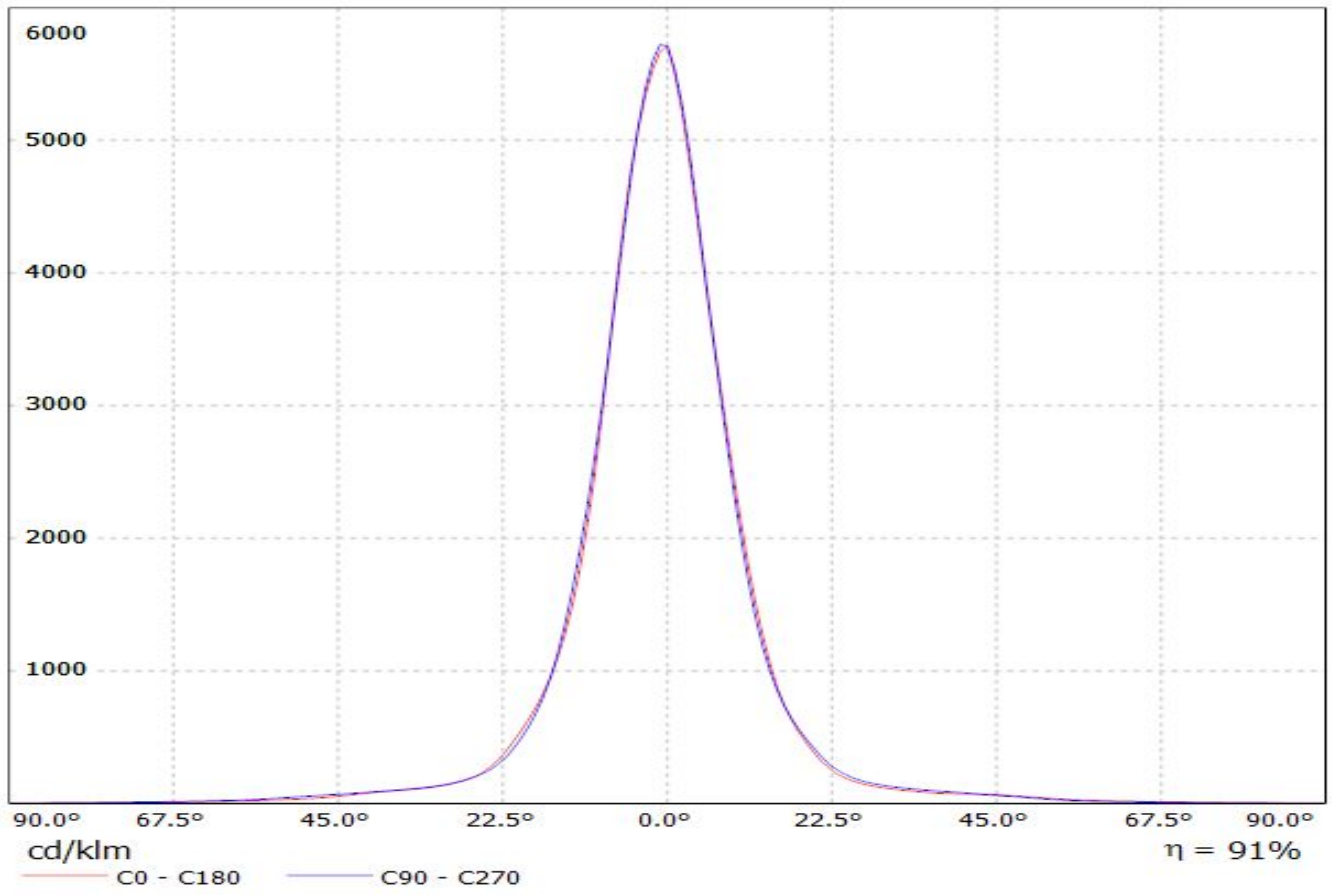
A

Luminaire: LEDiL Oy CN10861\_IRIS\_(CREE\_XHP50\_WARM\_WHITE)

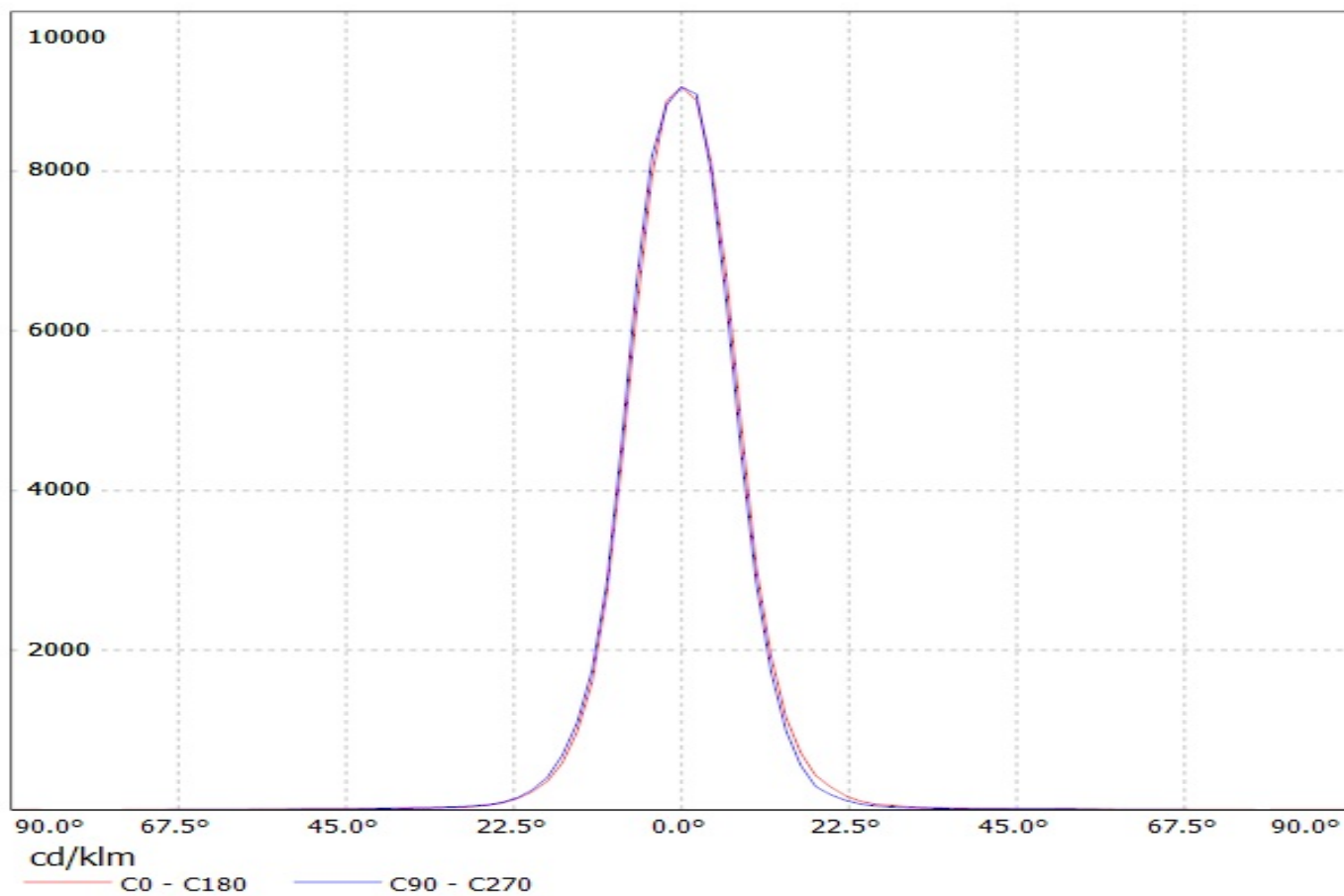
Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_I=0.2499A



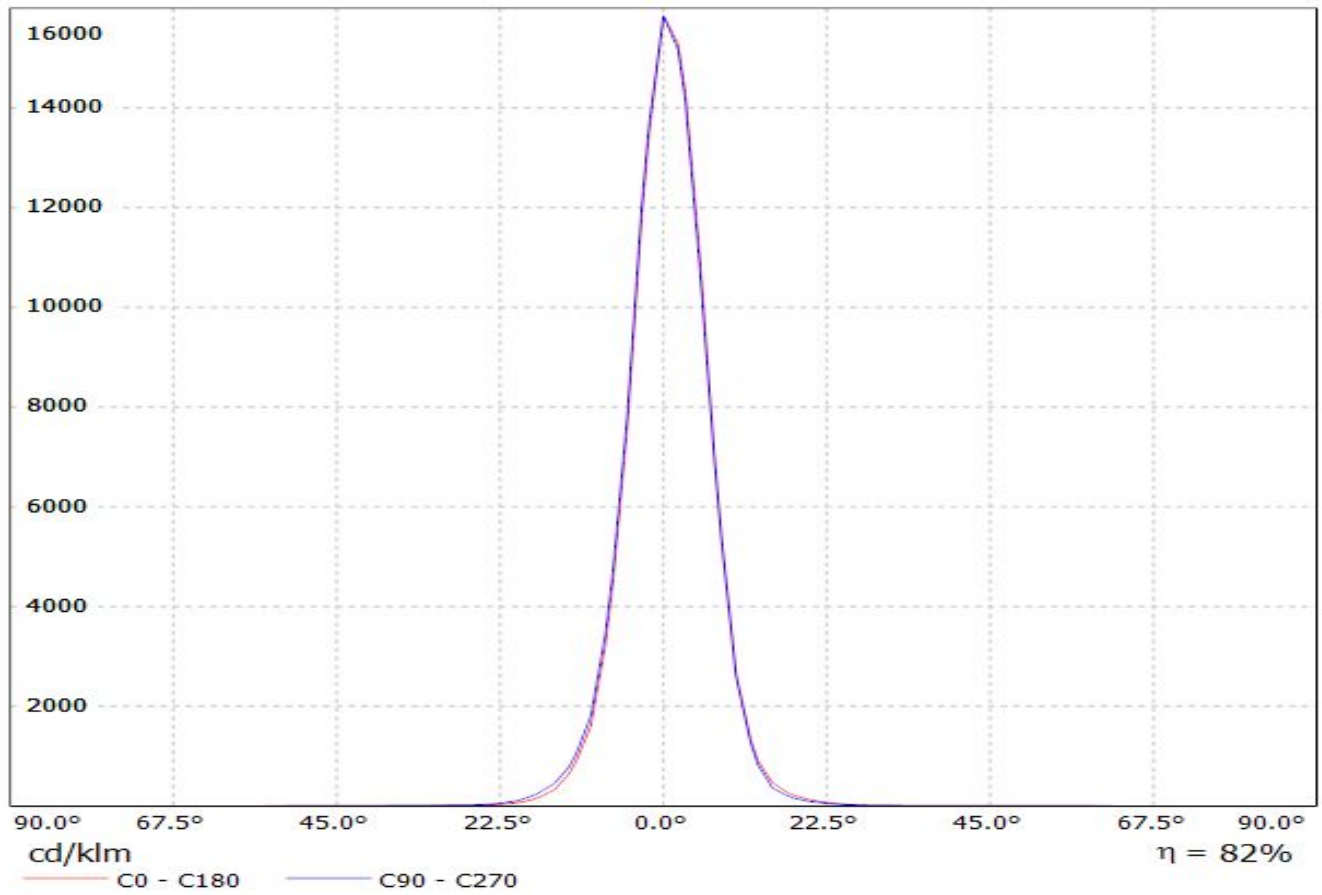
Luminaire: Ledil CN10861\_IRIS\_(MHD-G)  
Lamps: 1 x MHD-G\_528.91lm@100mA\_P=3.0W\_I=0.100A



Luminaire: Ledil Oy CN10861-IRIS (Luxeon M 362lm @ 250mA) Efficiency=83%  
Lamps: 1 x Luxeon M 362lm @ 250mA

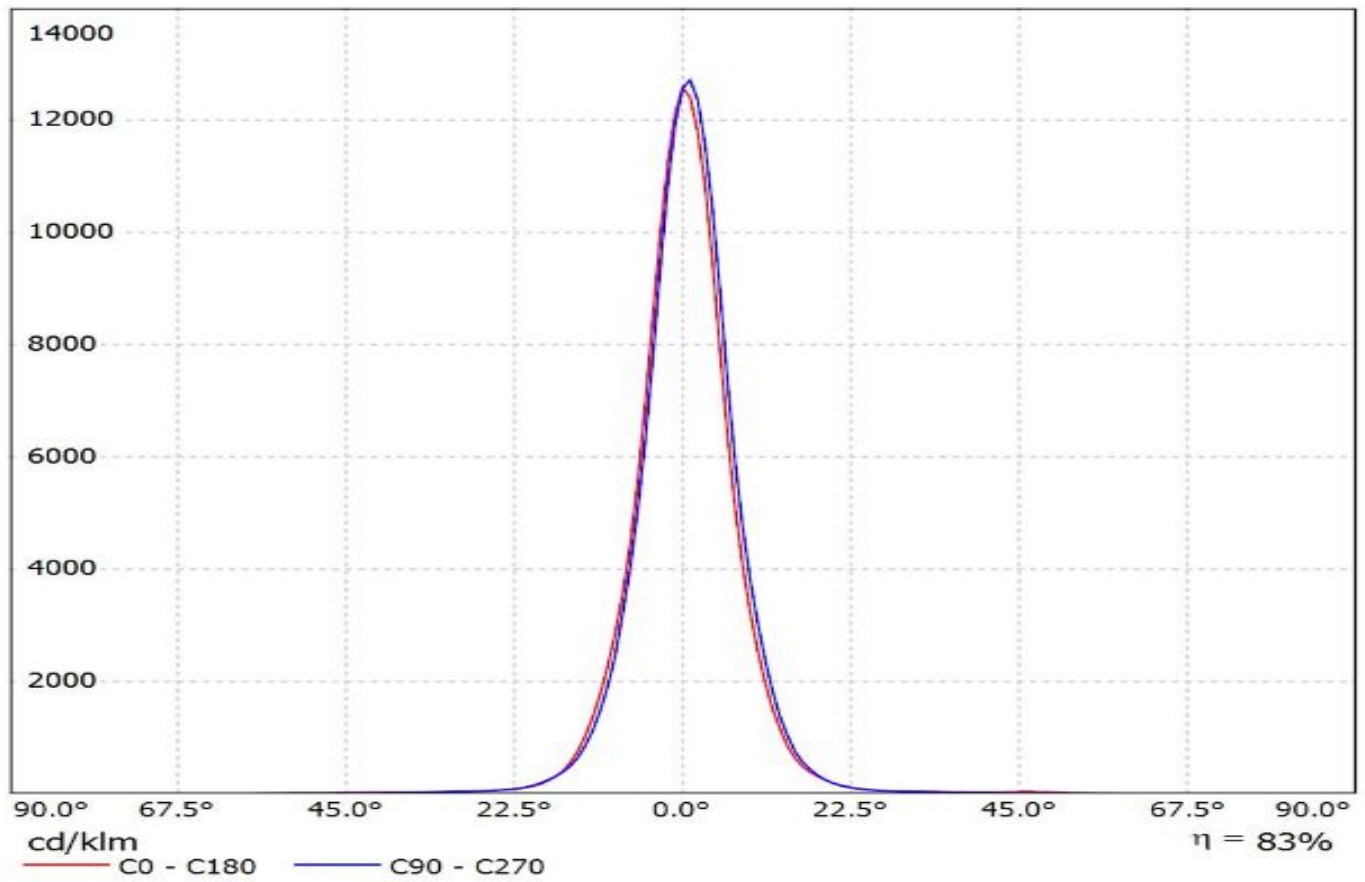


Luminaire: Ledil Oy CN10861\_IRIS\_(Luxeon MZ) Efficiency=82%  
Lamps: 1 x Luxeon MZ 259.83lm @ 250mA CCT= P=2.75W I=250mA



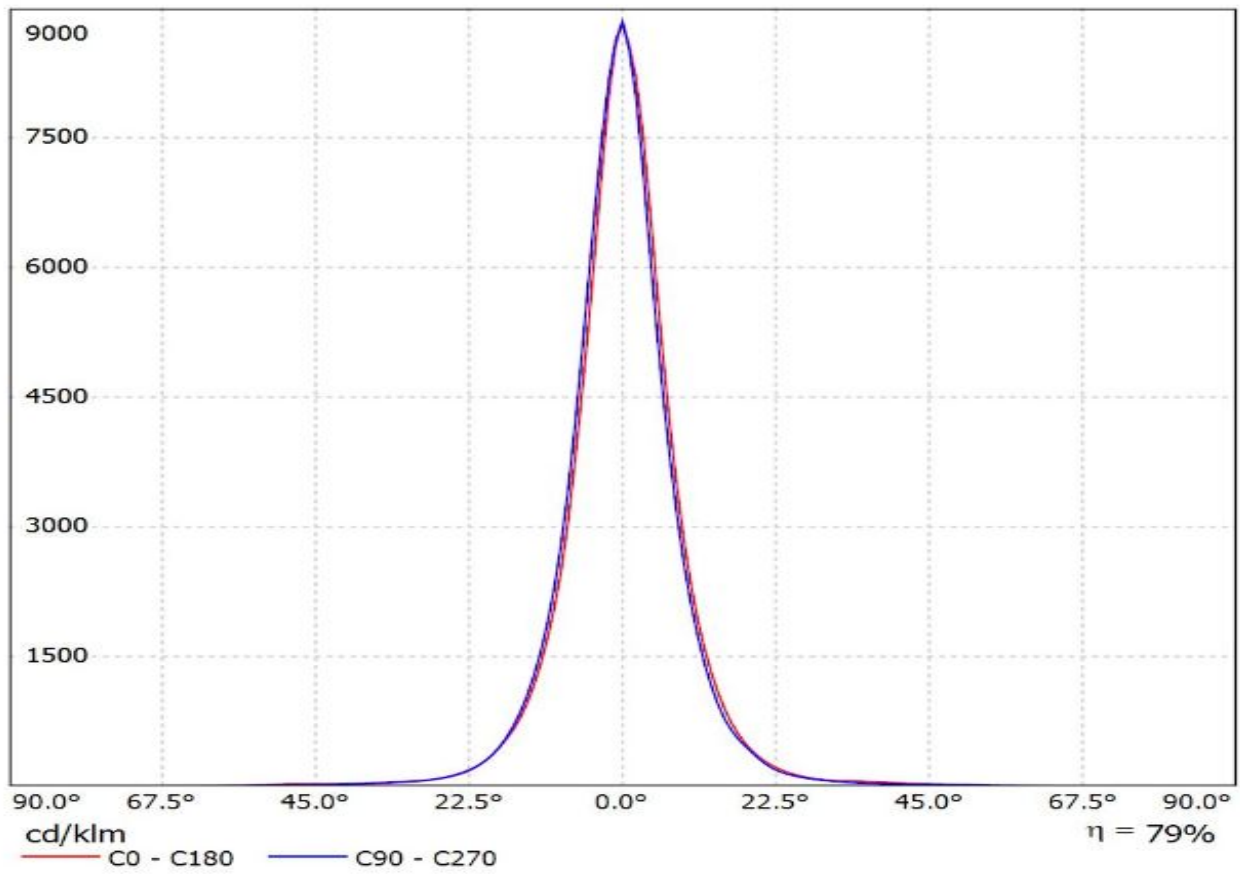
Luminaire: LEDiL Oy CN10861\_IRIS\_(NFMX48xAR\_14chip)

Lamps: 1 x Nichia\_NFMX48xAR\_14chip\_(NFMW488AR)\_561.275lm@100mA\_P=4.11057W\_I=0.100A



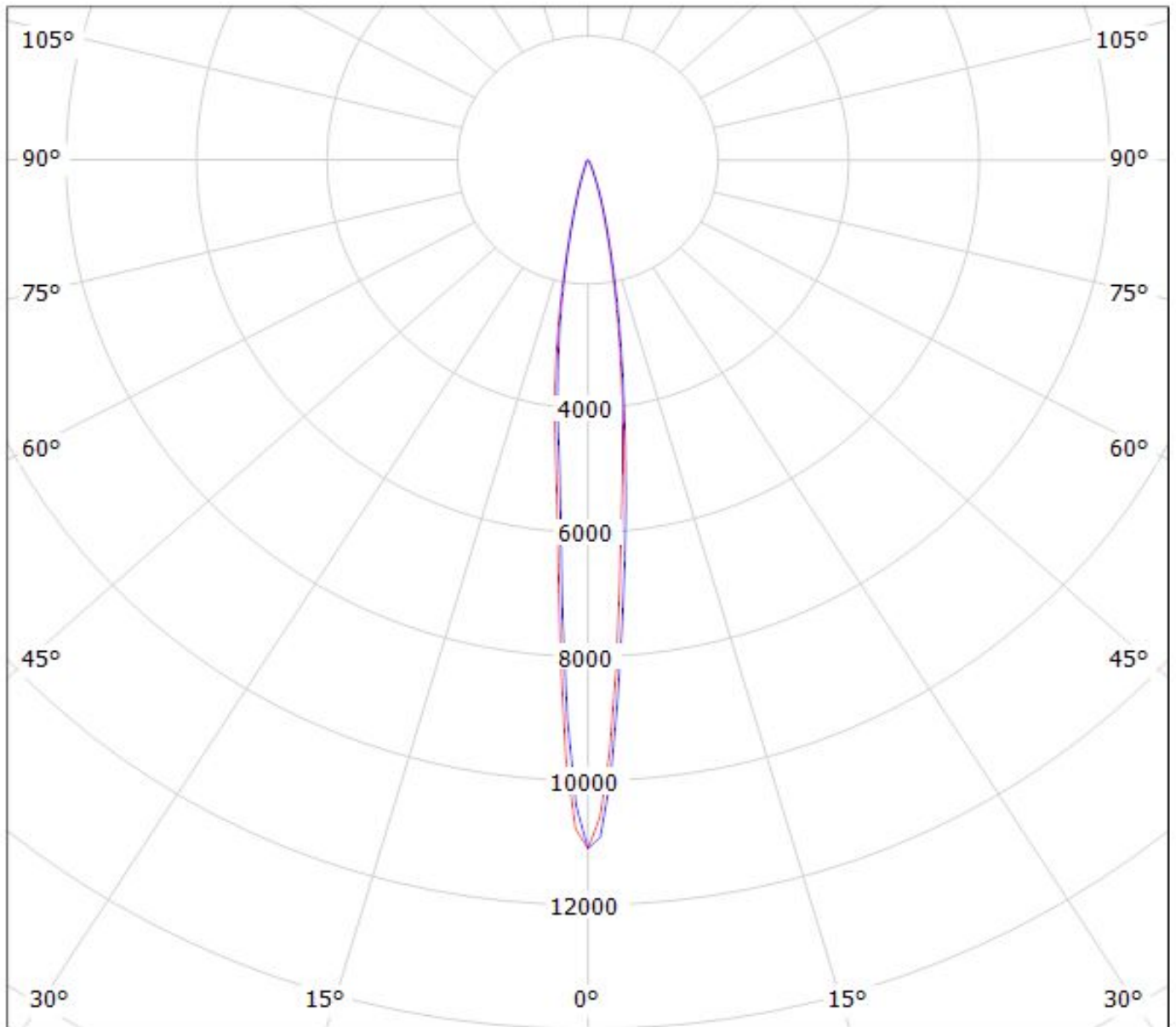


Luminaire: Ledil CN10861\_IRIS\_(Duris\_S10)  
Lamps: 1 x Osram\_Duris\_S10\_(GWP7LM32.CM)\_298.59lm@100mA\_P=2.52277W\_I=0.1A



Luminaire: LEDiL Oy CN10861\_IRIS\_(CREE\_XHP50\_WARM\_WHITE)

Lamps: 1 x CREE\_XHP50\_WARM\_WHITE\_195.088lm@250mA\_P=1.40004W\_η=0.2499A



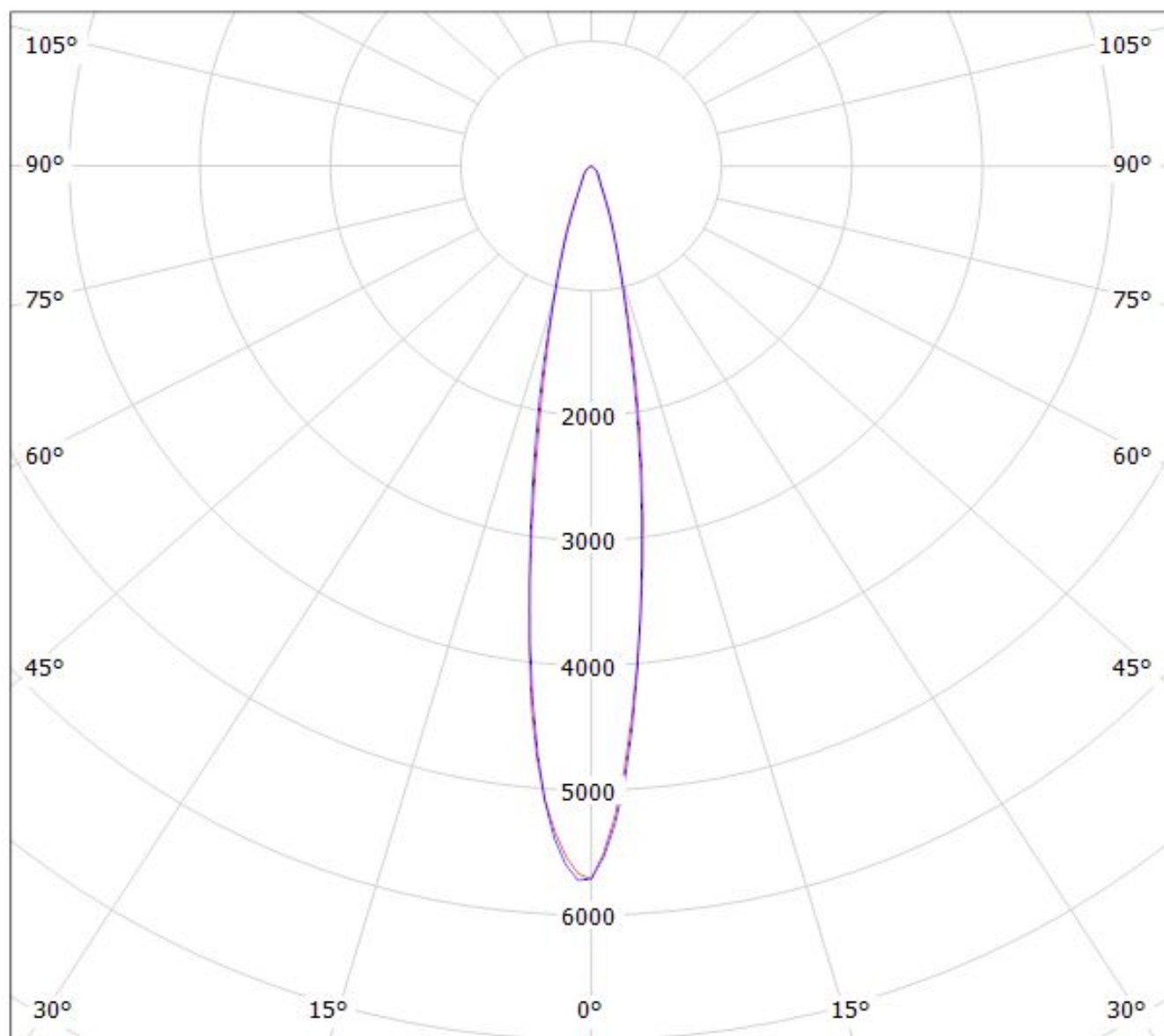
cd/klm

$\eta = 86\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil CN10861\_IRIS\_(MHD-G)  
Lamps: 1 x MHD-G\_528.91lm@100mA\_P=3.0W\_I=0.100A

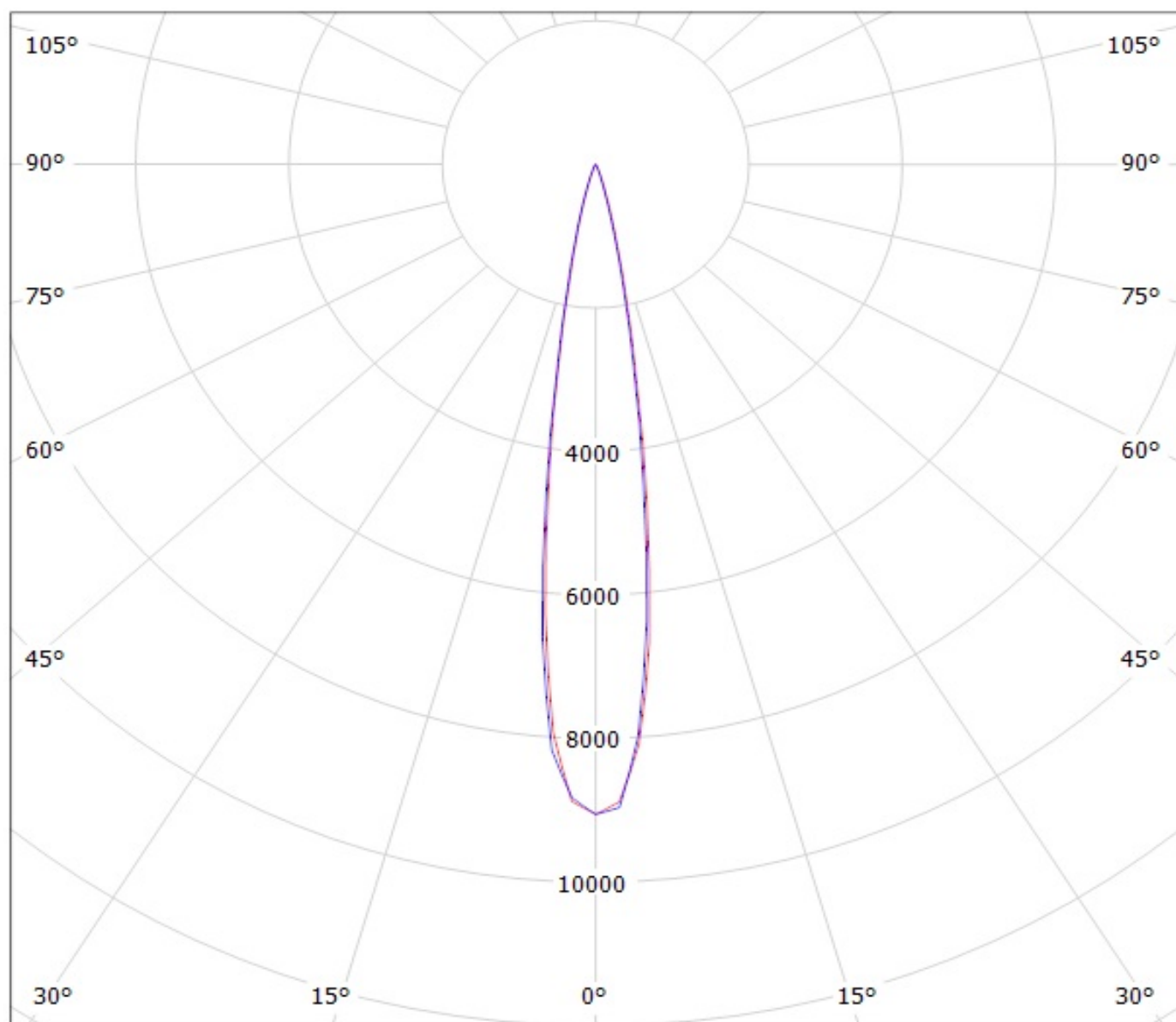


cd/klm

$\eta = 91\%$

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CN10861-IRIS (Luxeon M 362lm @ 250mA) Efficiency=83%  
Lamps: 1 x Luxeon M 362lm @ 250mA

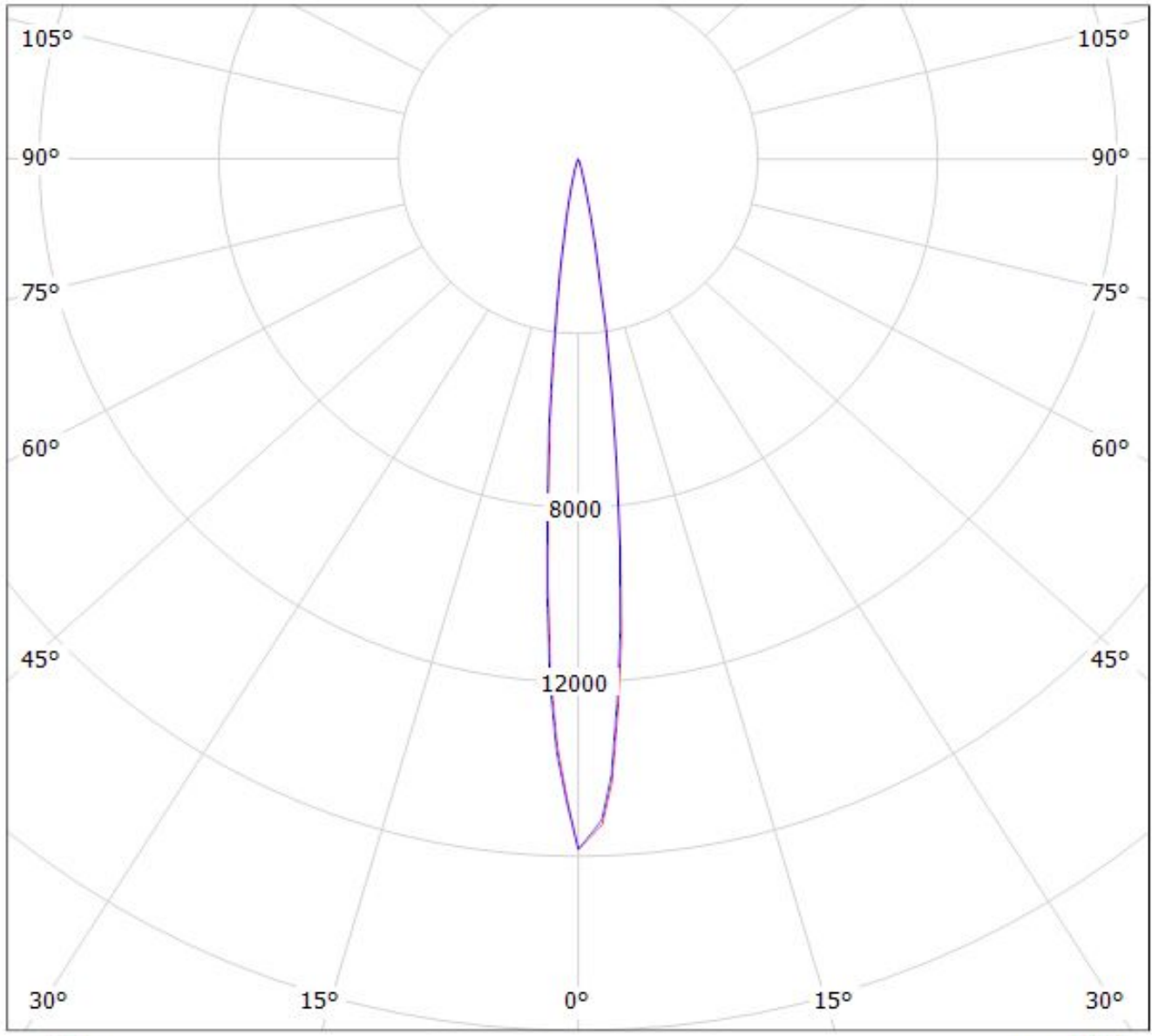


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN10861\_IRIS\_(Luxeon MZ) Efficiency=82%  
Lamps: 1 x Luxeon MZ 259.83lm @ 250mA CCT= P=2.75W I=250mA



cd/klm

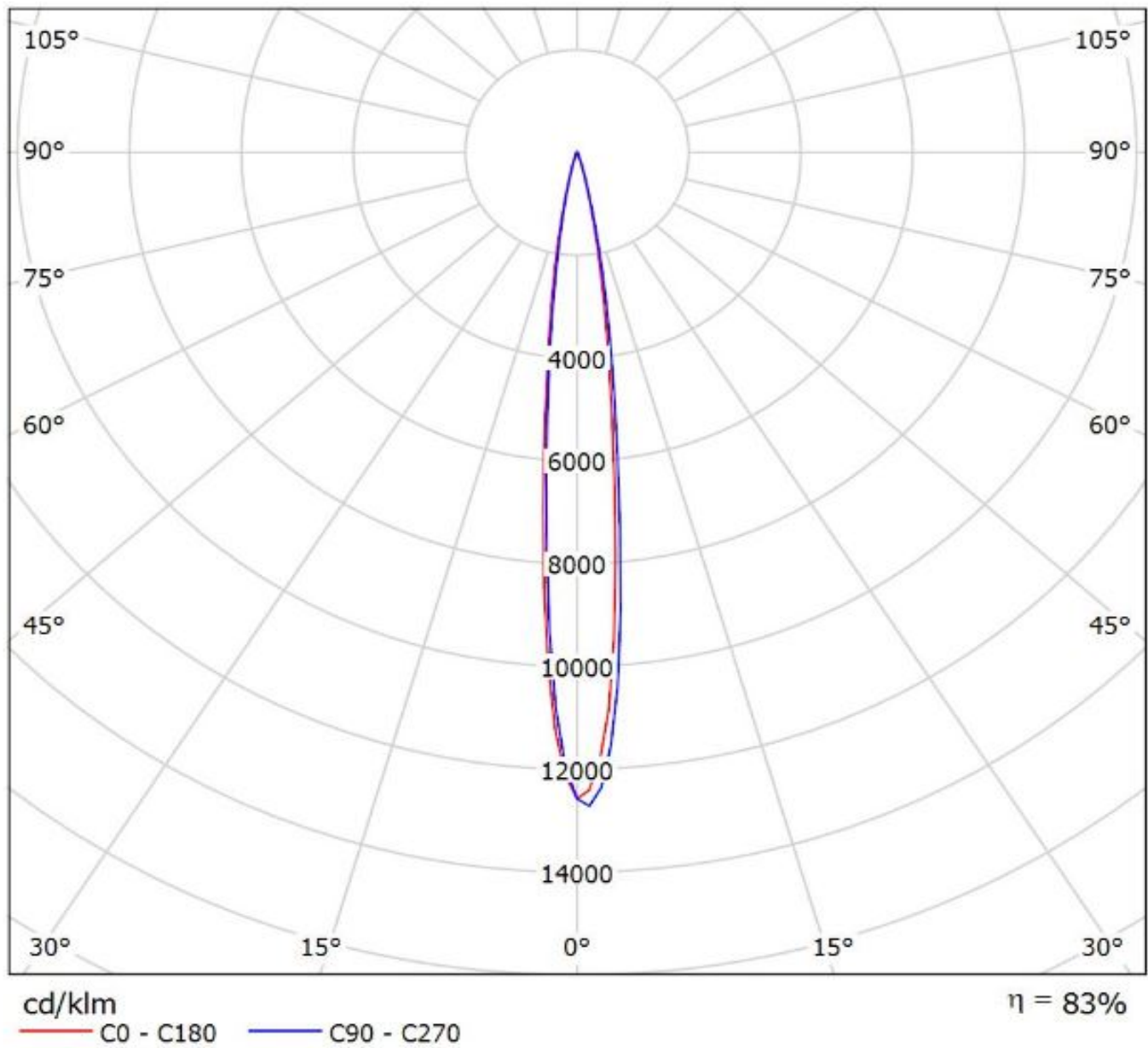
$\eta = 82\%$

— C0 - C180

— C90 - C270

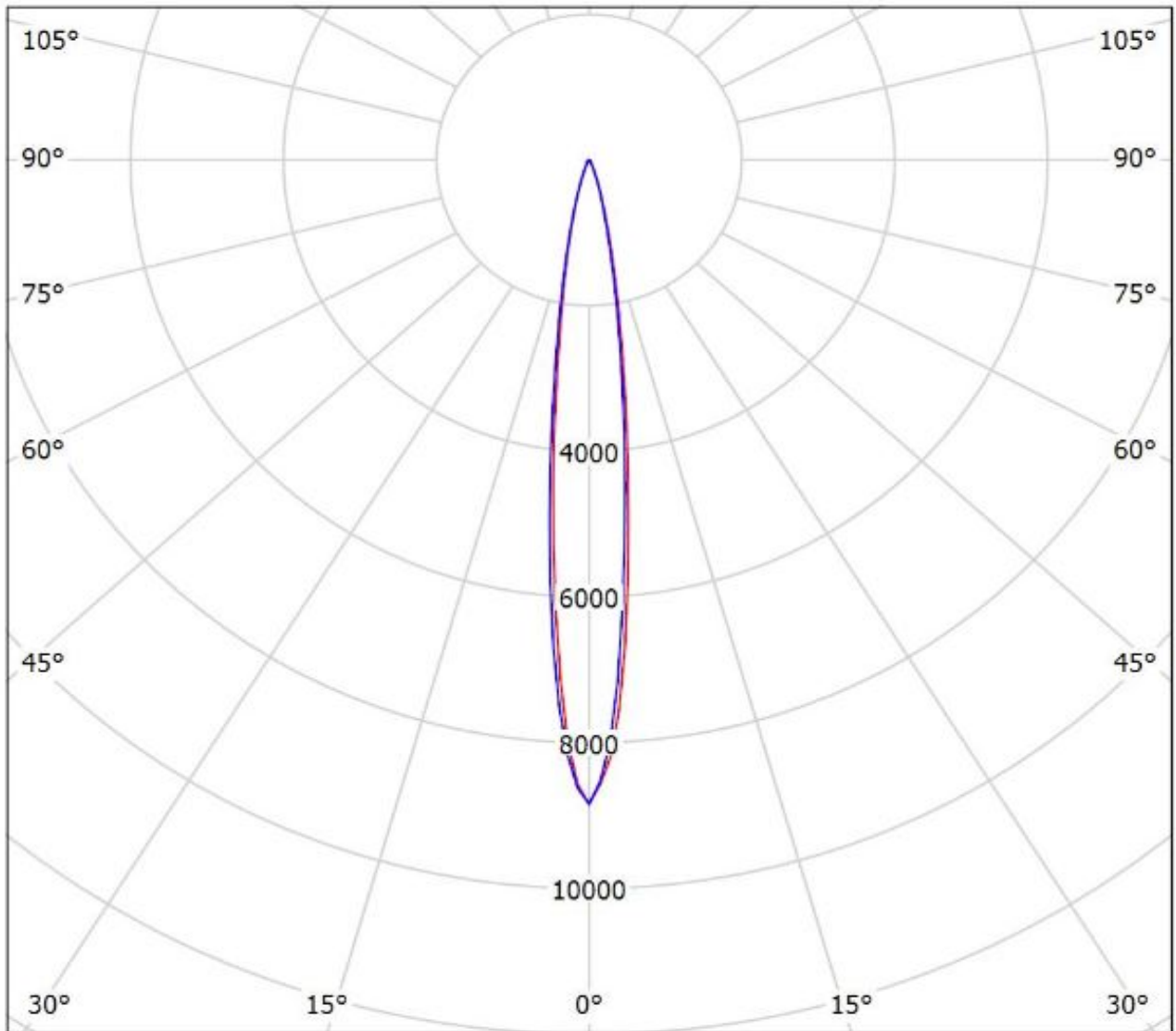
Luminaire: LEDiL Oy CN10861\_IRIS\_(NFMX48xAR\_14chip)

Lamps: 1 x Nichia\_NFMX48xAR\_14chip\_(NFMW488AR)\_561.275lm@100mA\_P=4.11057W\_I=0.100A



Luminaire: Ledil CN10861\_IRIS\_(Duris\_S10)

Lamps: 1 x Osram\_Duris\_S10\_(GWP7LM32.CM)\_298.59lm@100mA\_P=2.52277W\_I=0.1A



cd/klm

— C0 - C180    — C90 - C270

$\eta = 79\%$

**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.**