

**Product number CP10870\_LN3-RS**

Family	Leila	FWHM	9 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	23.000
Color	White	Gerber File	Available
Diameter	21.6 mm	Suitable for Star PCB	
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CA12262\_LR2-RS**

Family	Leila	FWHM	10 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	21.700
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CP10872\_LN3-D**

Family	Leila	FWHM	12 degrees
Type	Assembly	Efficiency	91 %
LED	NCSxx19B	cd/lm	14.200
Color	White	Gerber File	Available
Diameter	21.6 mm	Suitable for Star PCB	
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CA11640\_LR2-O-90**

Family	Leila	FWHM	12+42 degrees
Type	Assembly	Efficiency	89 %
LED	NCSxx19B	cd/lm	5.100
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CA12263\_LR2-D**

Family	Leila	FWHM	12 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	15.600
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CP10869\_LN3-M**

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	91 %
LED	NCSxx19B	cd/lm	4.900
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Suitable for Star PCB

**Product number CA12264\_LR2-M**

Family	Leila	FWHM	25 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	4.900
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CP12405\_LN3-O-90**

Family	Leila	FWHM	40+11 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	5.300
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

# PRODUCT DATASHEET

## Leila series

last update 23/5/2012

**Product number CA12393\_LR2-W**

Family	Leila	FWHM	43 degrees
Type	Assembly	Efficiency	89 %
LED	NCSxx19B	cd/lm	1.700
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CP12406\_LN3-W**

Family	Leila	FWHM	44 degrees
Type	Assembly	Efficiency	90 %
LED	NCSxx19B	cd/lm	1.600
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**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.**



## PRODUCT DATASHEET

### Leila series

last update 23/5/2012

#### GENERAL INFORMATION

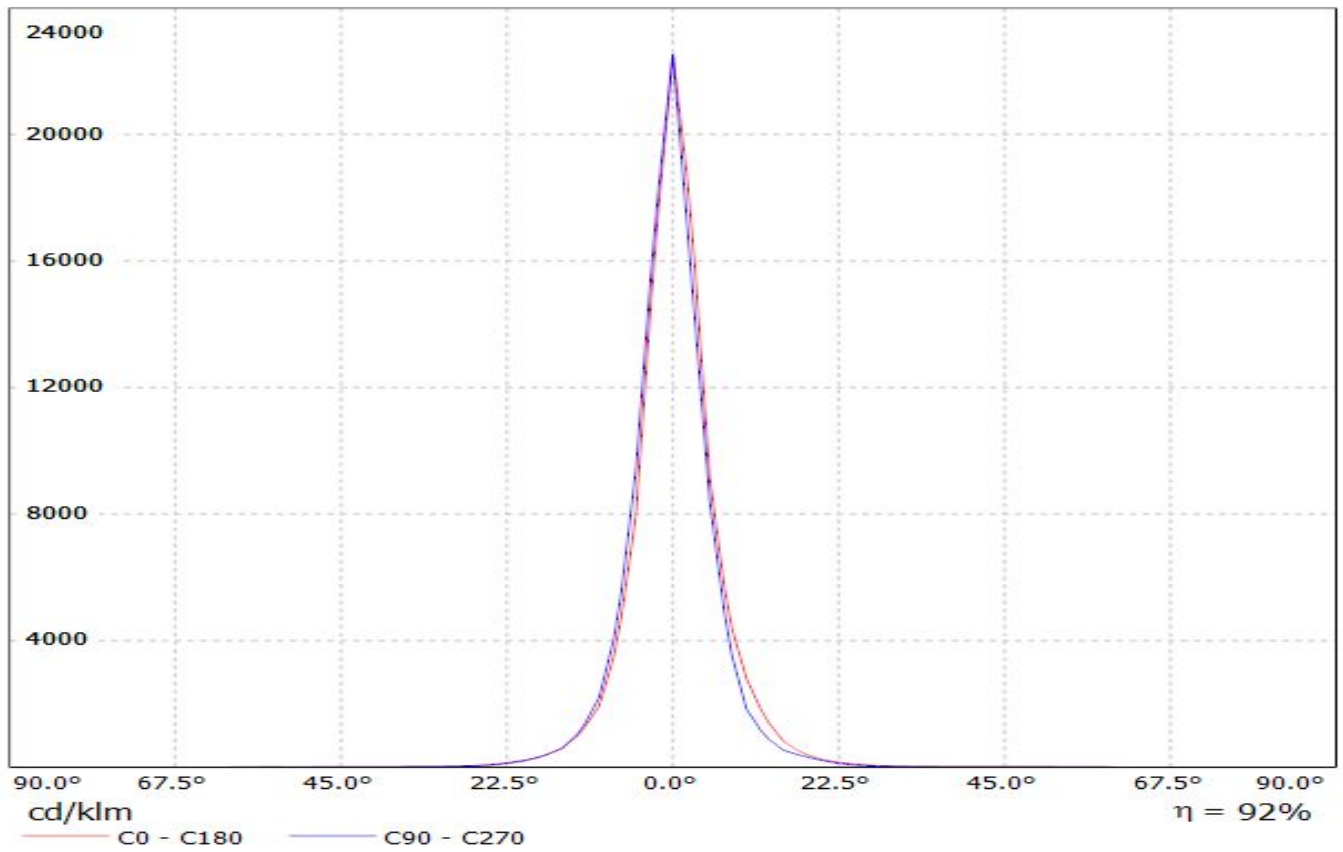
- Product series especially designed & optimized for NCSxx19B series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

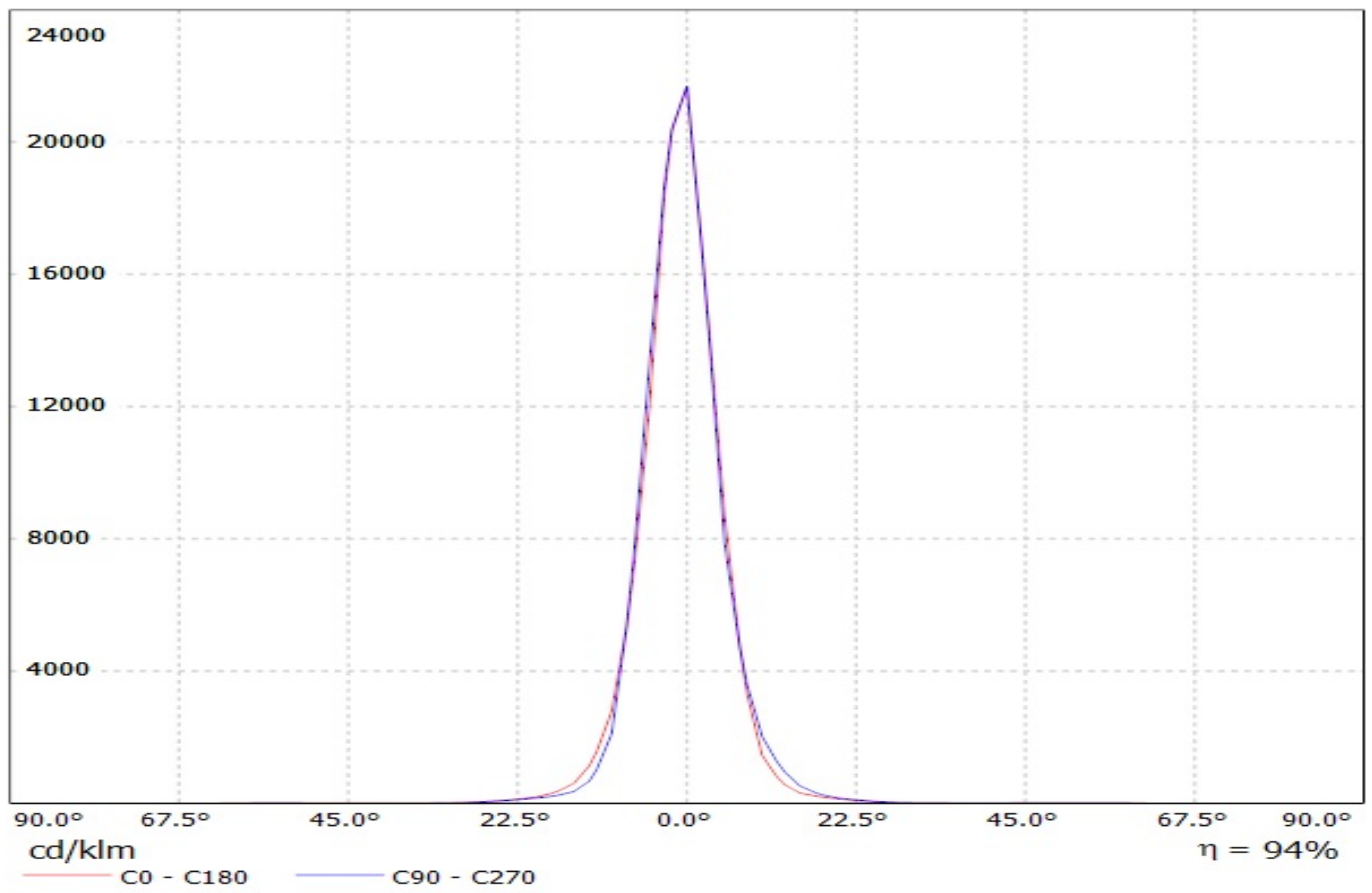
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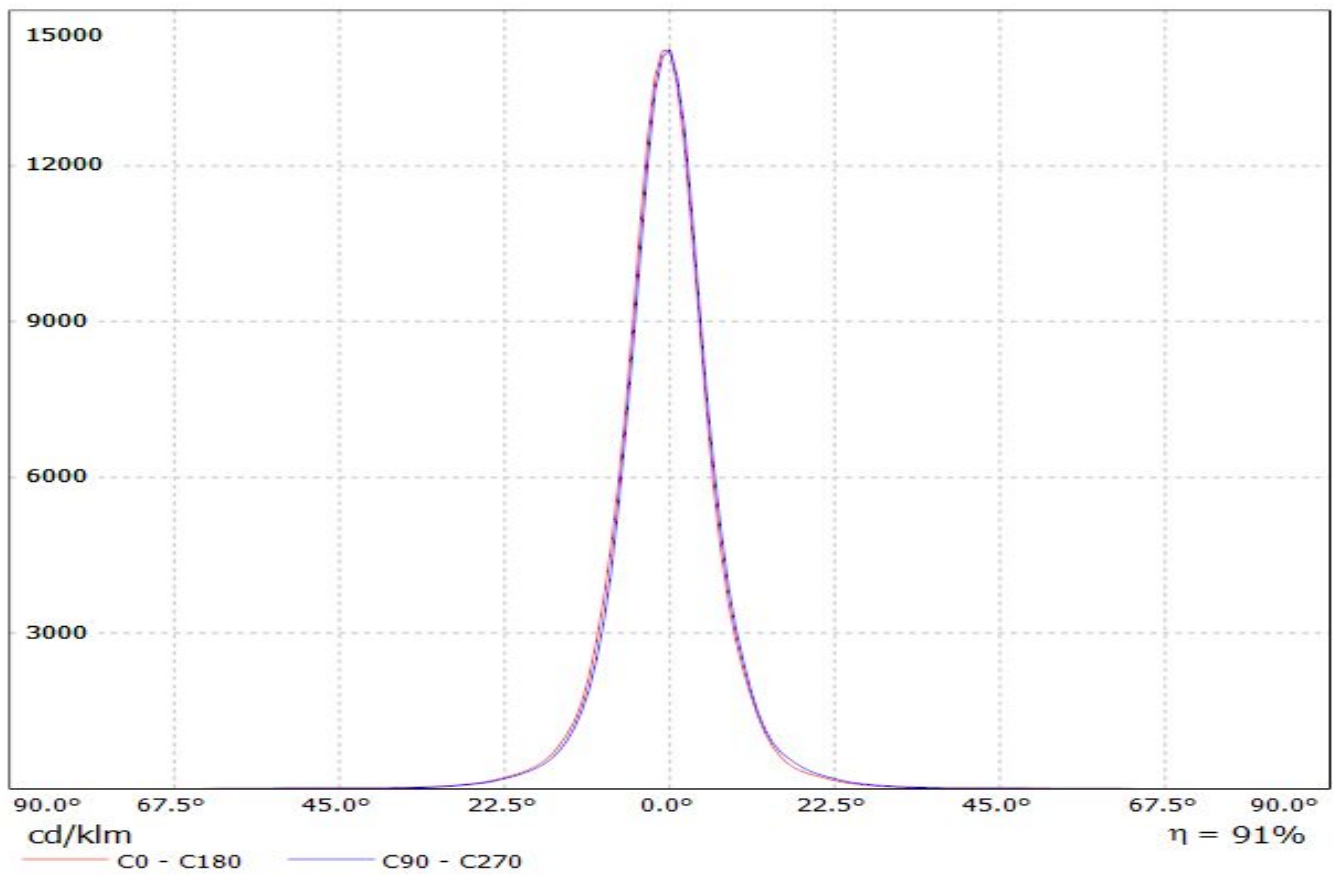
Luminaire: Ledil Oy CP10870\_LN3-RS\_(NCSxx19B) Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



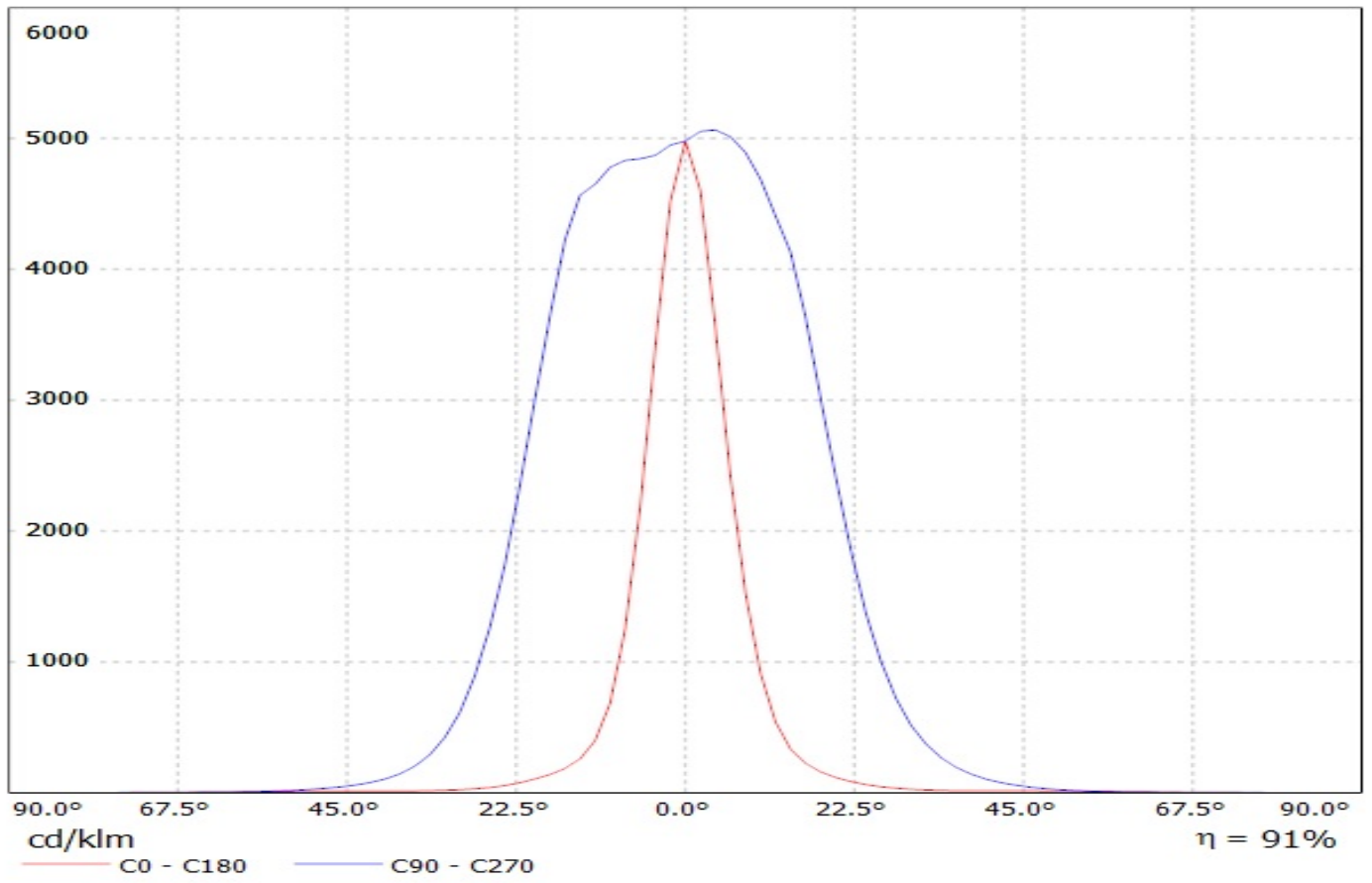
Luminaire: LEDil Oy CA12262\_LR2-RS\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



Luminaire: Ledil Oy CP10872\_LN3-D\_(NCSxx19B) Eff. 91%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA

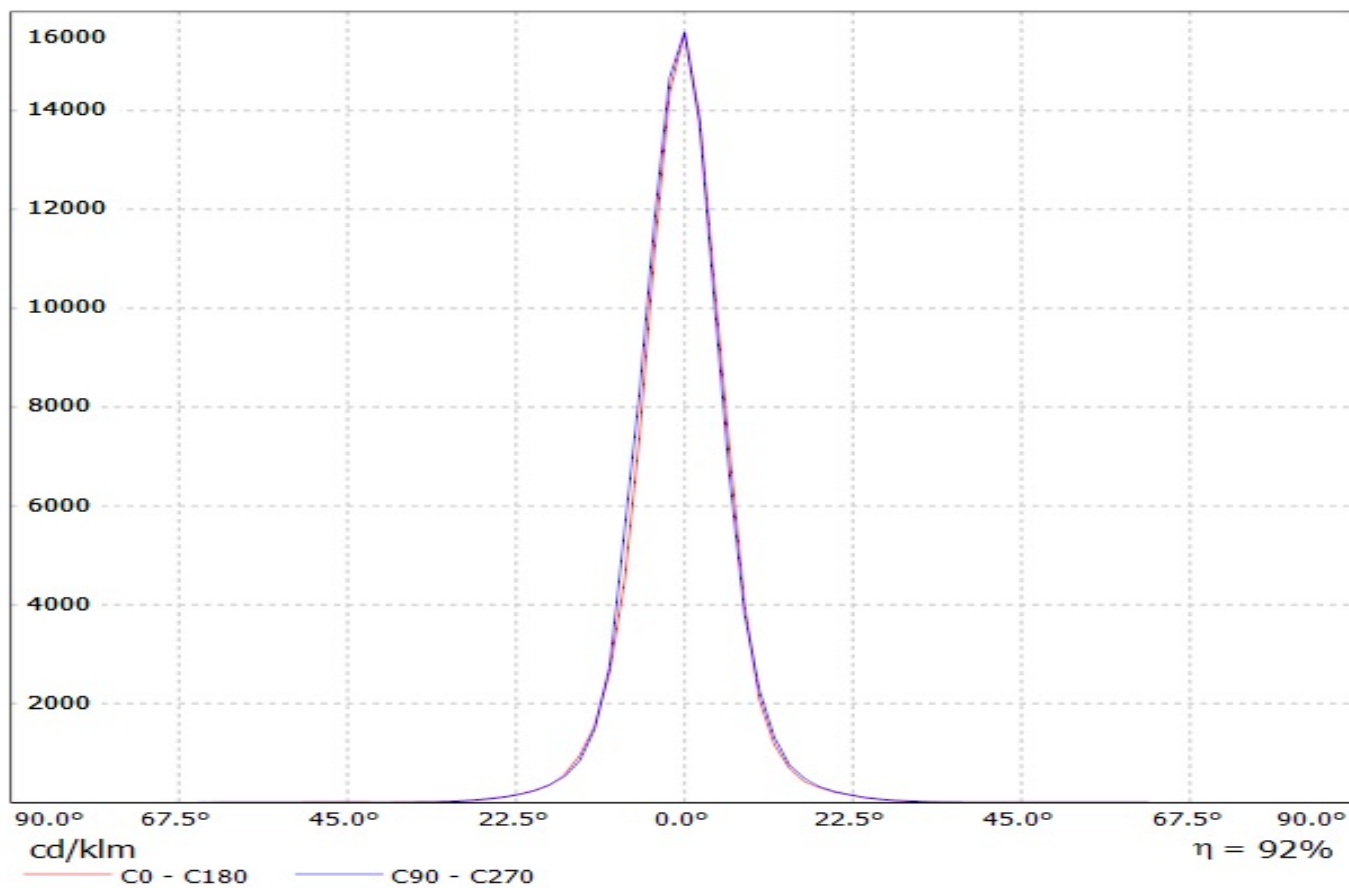


Luminaire: LEDil Oy CA11640\_LR2-O-90\_(NCSxx19B) Efficiency=89%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA

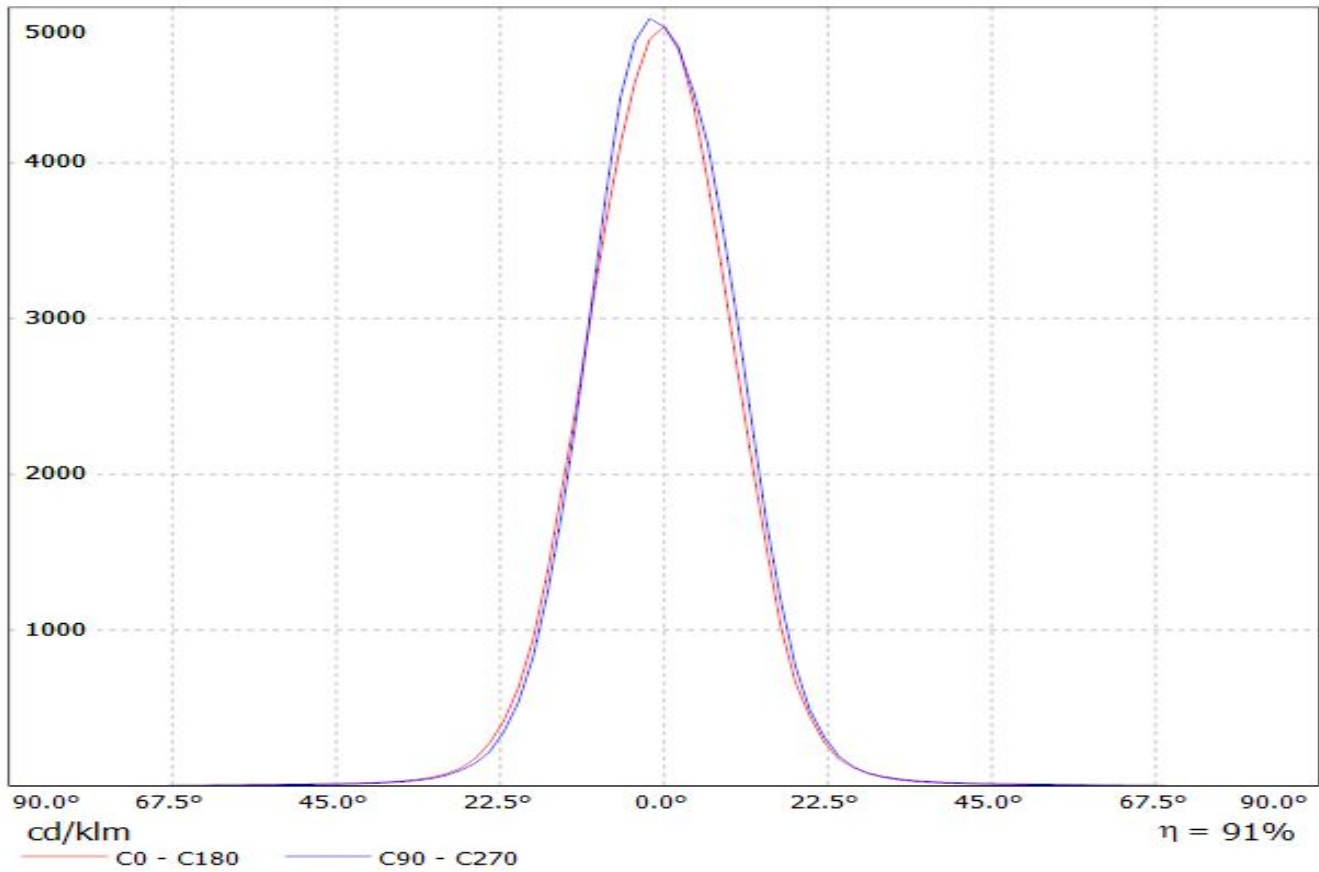




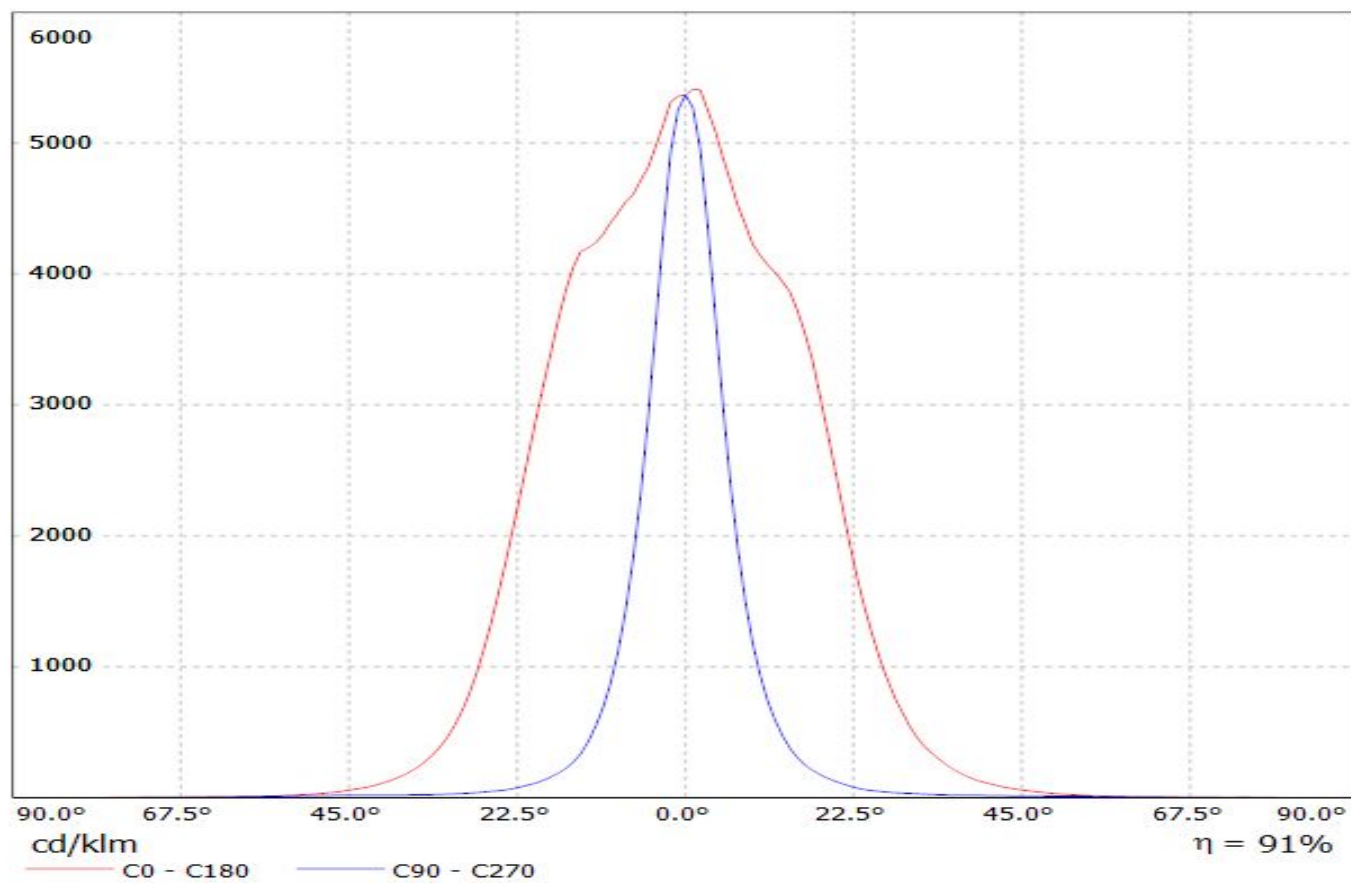
Luminaire: LEDil Oy CA12263\_LR2-D\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



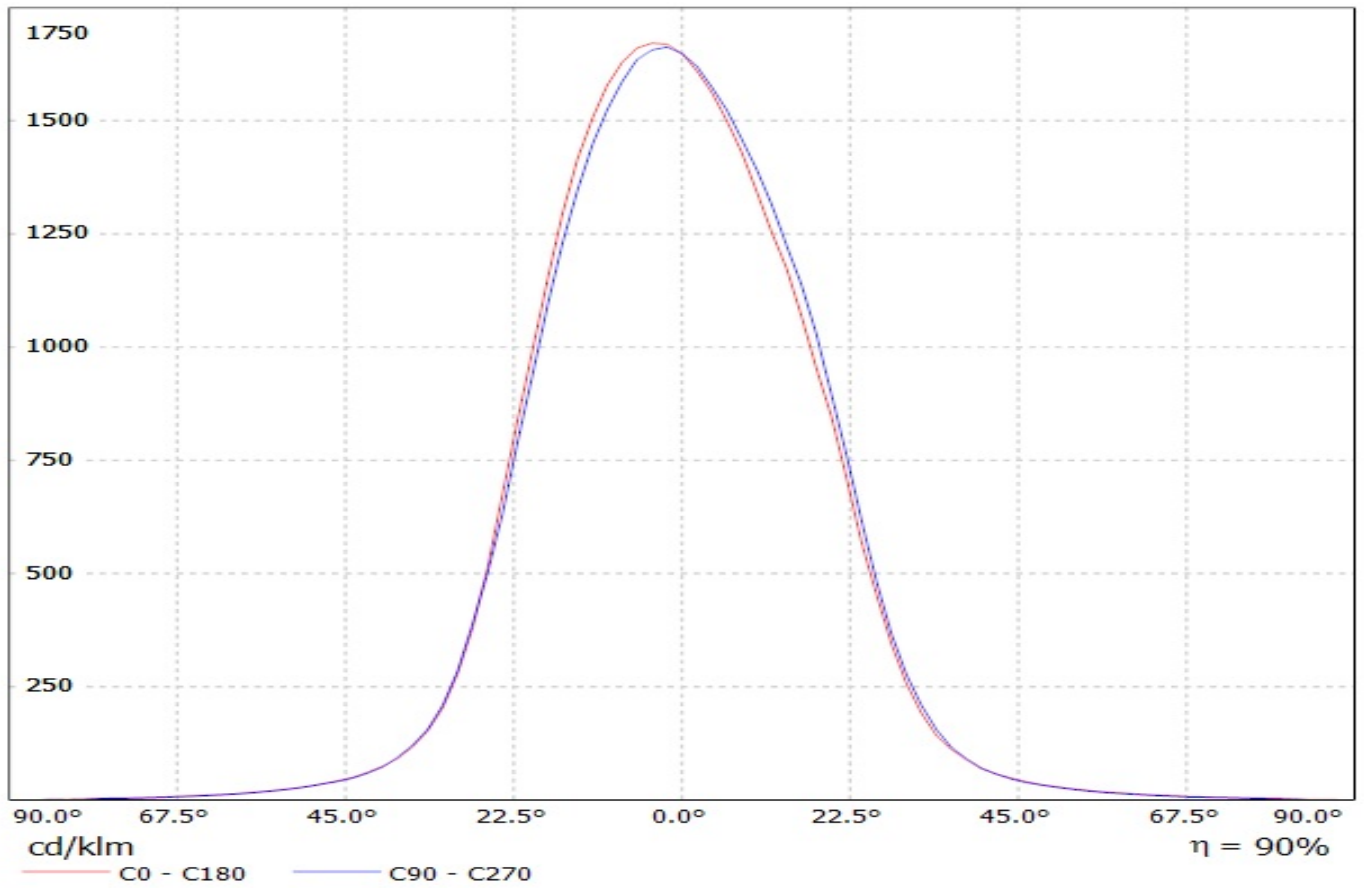
Luminaire: Ledil Oy CP10869\_LN3-M\_(NCSxx19B) Eff. 91%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



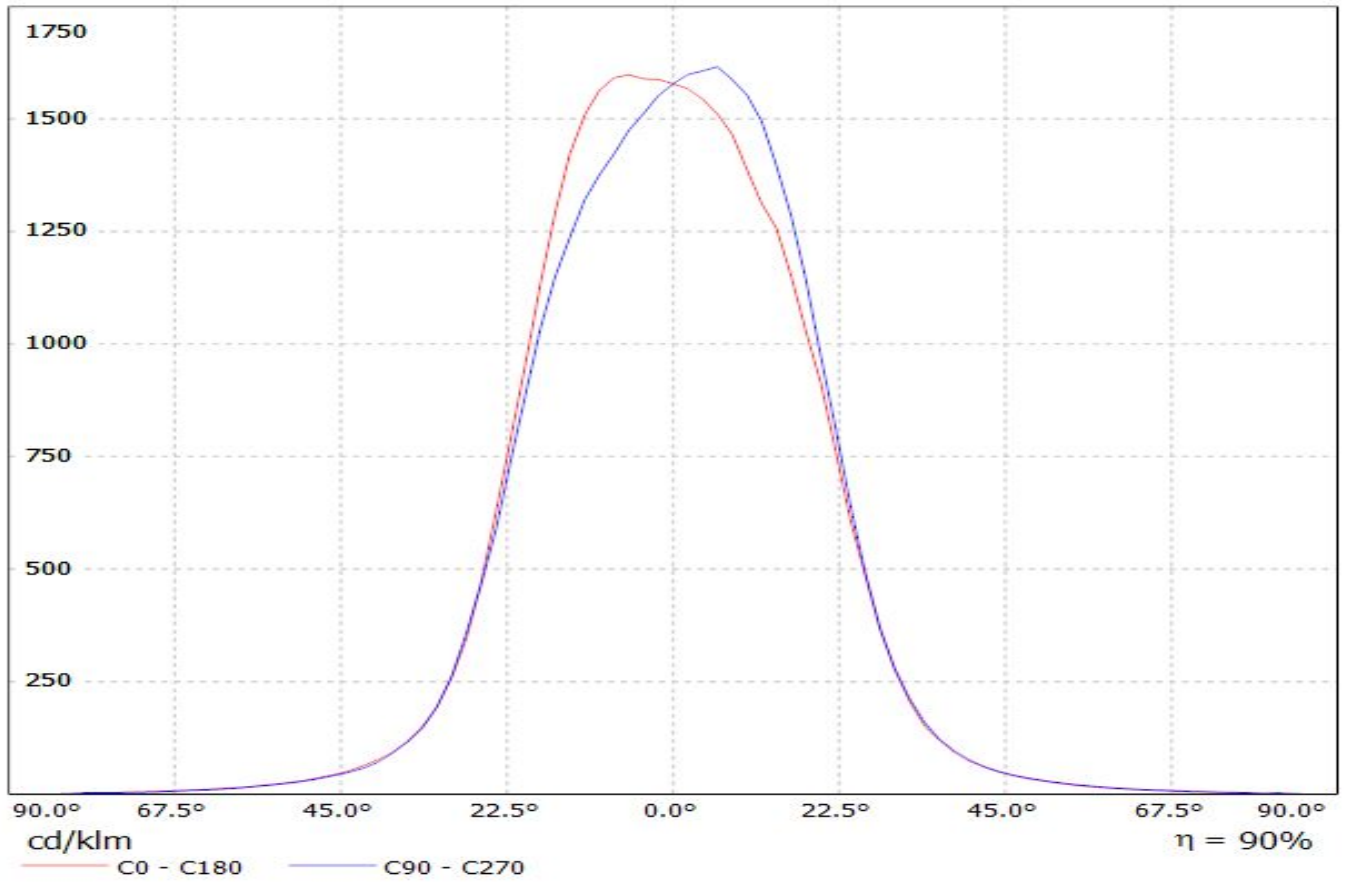
Luminaire: Ledil Oy CP12405\_LN3-O-90\_(NCSxx19B) Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



Luminaire: LEDil Oy CA12393\_LR2-W\_(NCSxx19B) Efficiency=89%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA

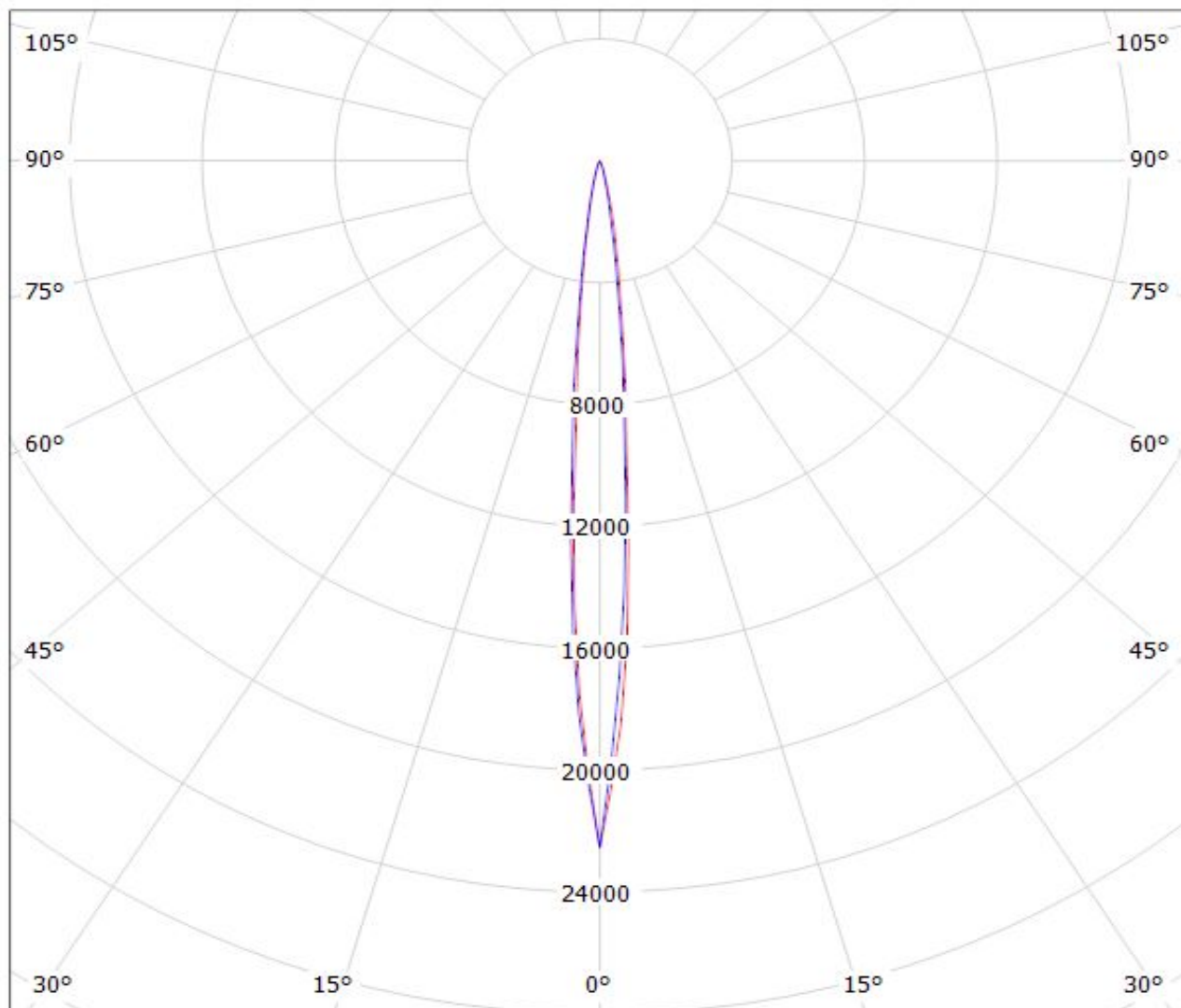


Luminaire: Ledil Oy CP12406\_LN3-W Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



Luminaire: Ledil Oy CP10870\_LN3-RS\_(NCSxx19B) Eff. 90%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



cd/klm

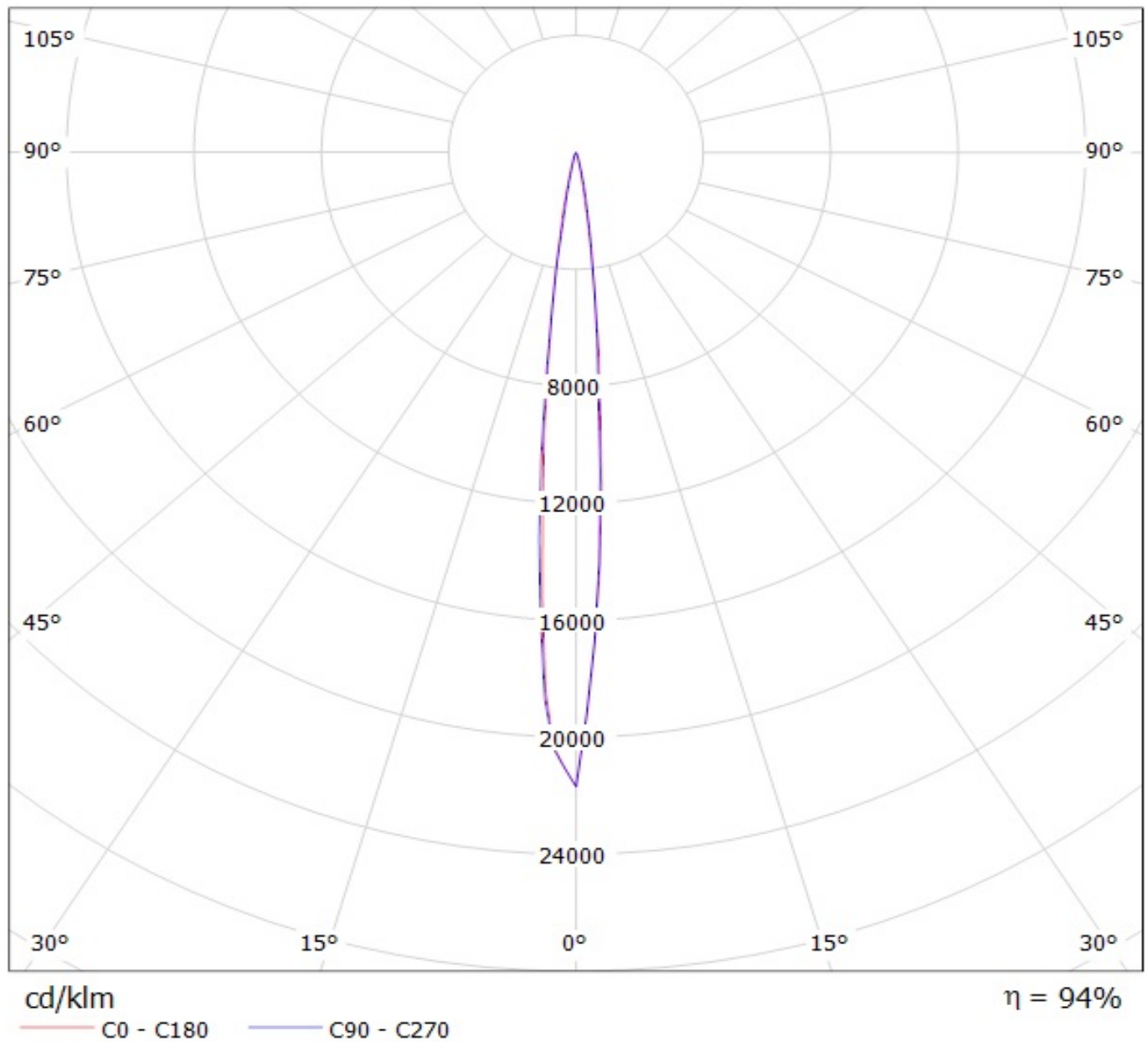
$\eta = 92\%$

— C0 - C180

— C90 - C270

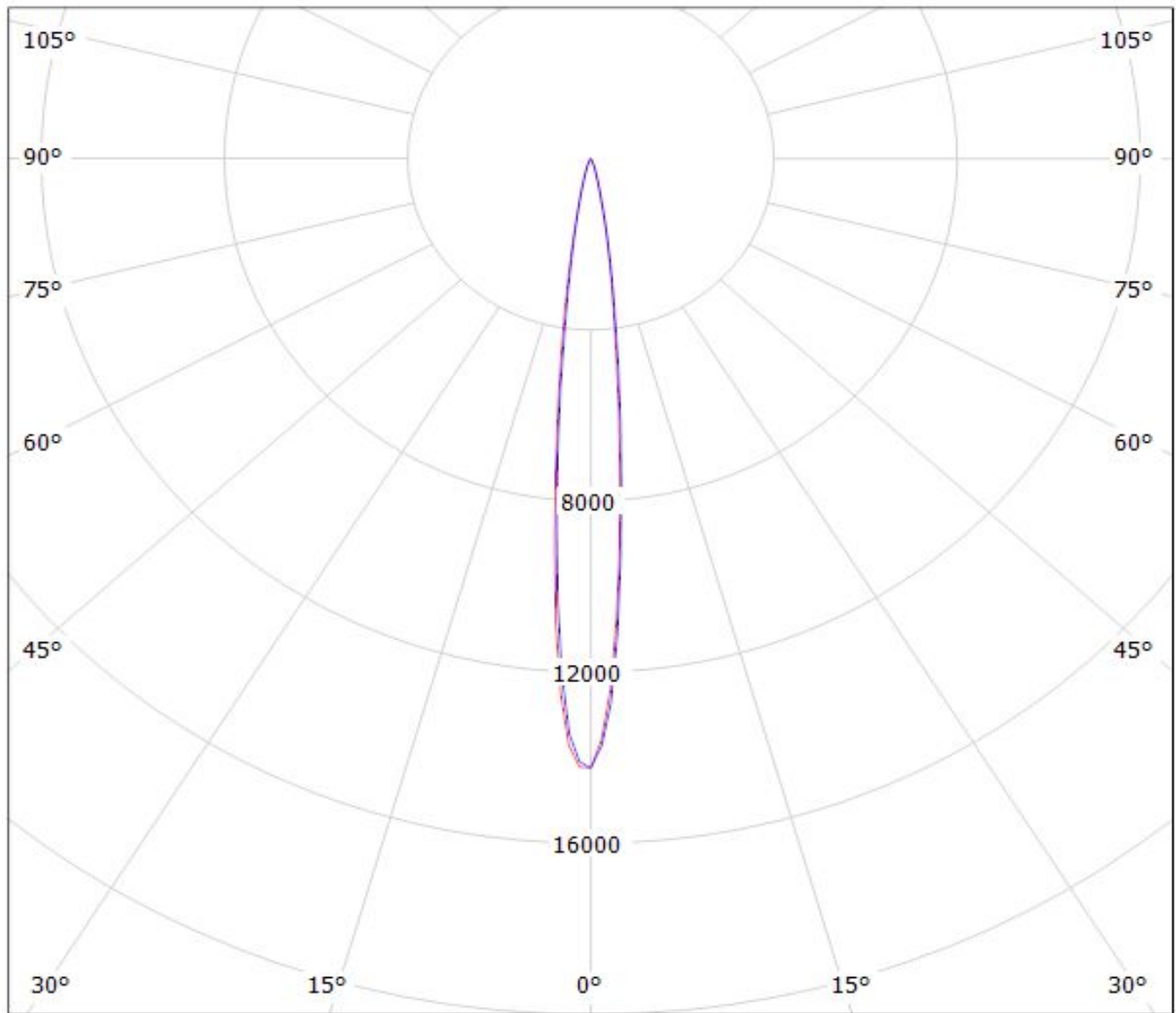
Luminaire: LEDil Oy CA12262\_LR2-RS\_(NCSxx19B) Efficiency=90%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



Luminaire: Ledil Oy CP10872\_LN3-D\_(NCSxx19B) Eff. 91%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



cd/klm

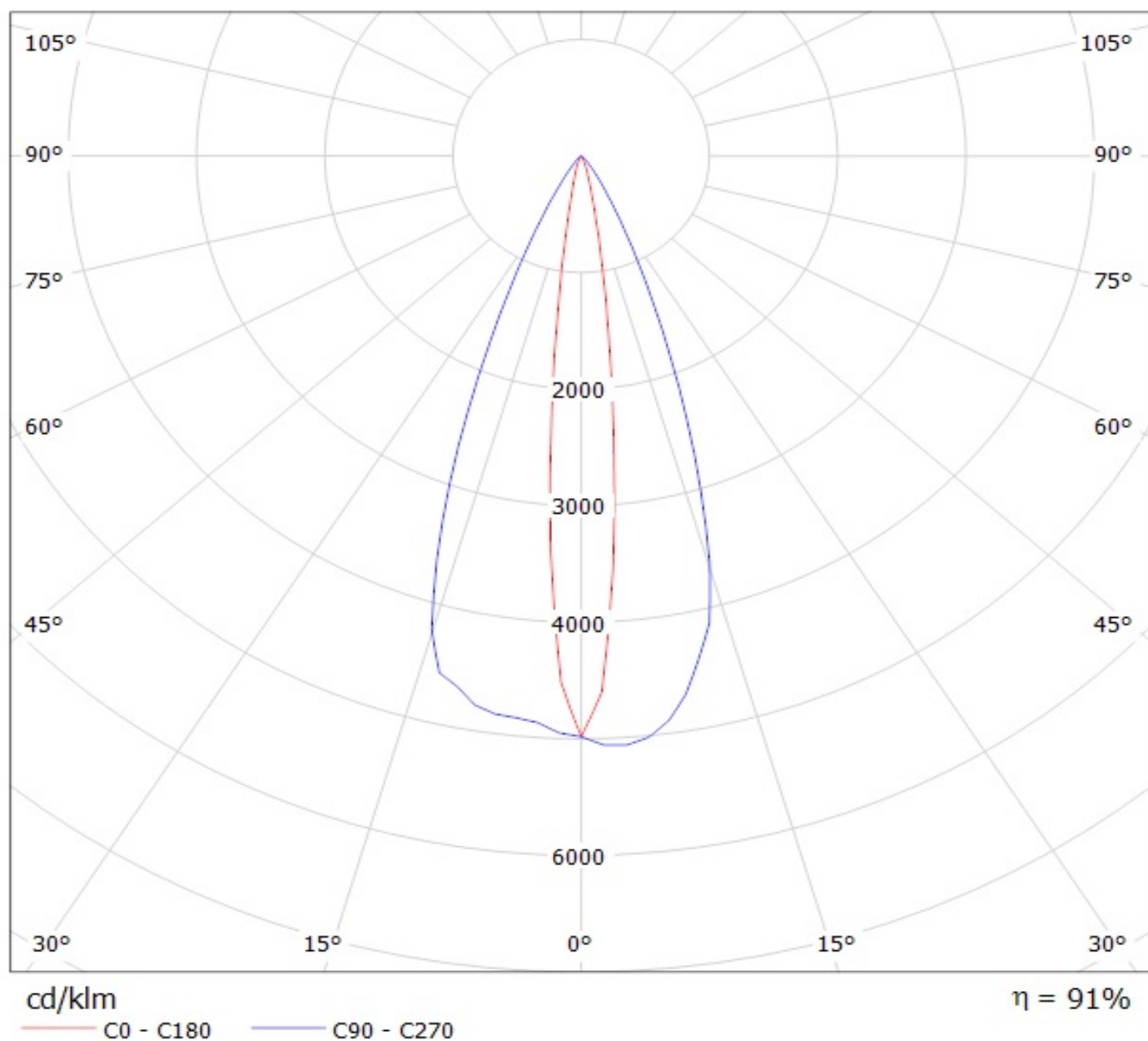
— C0 - C180

— C90 - C270

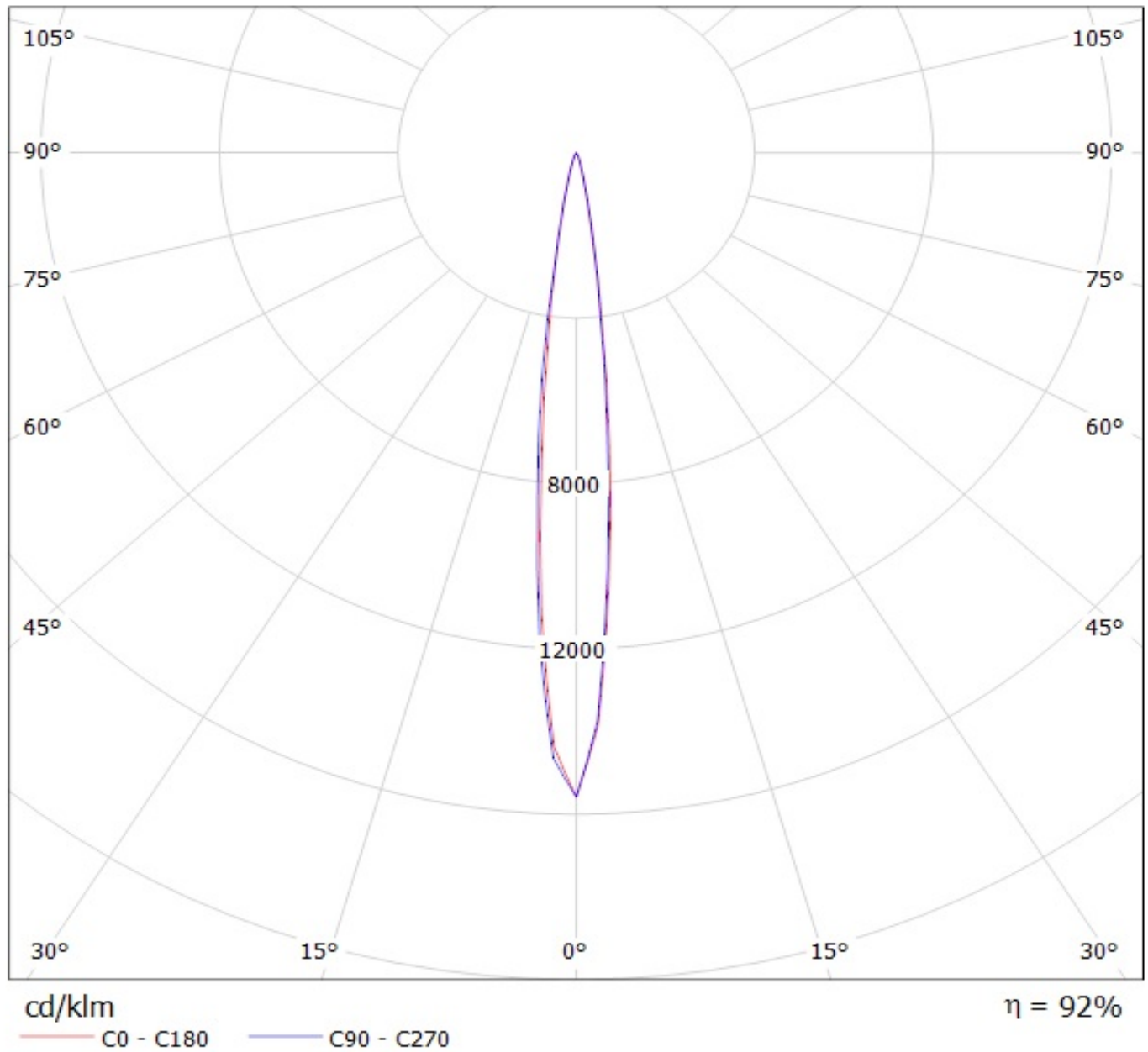
$\eta = 91\%$



Luminaire: LEDil Oy CA11640\_LR2-O-90\_(NCSxx19B) Efficiency=89%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA

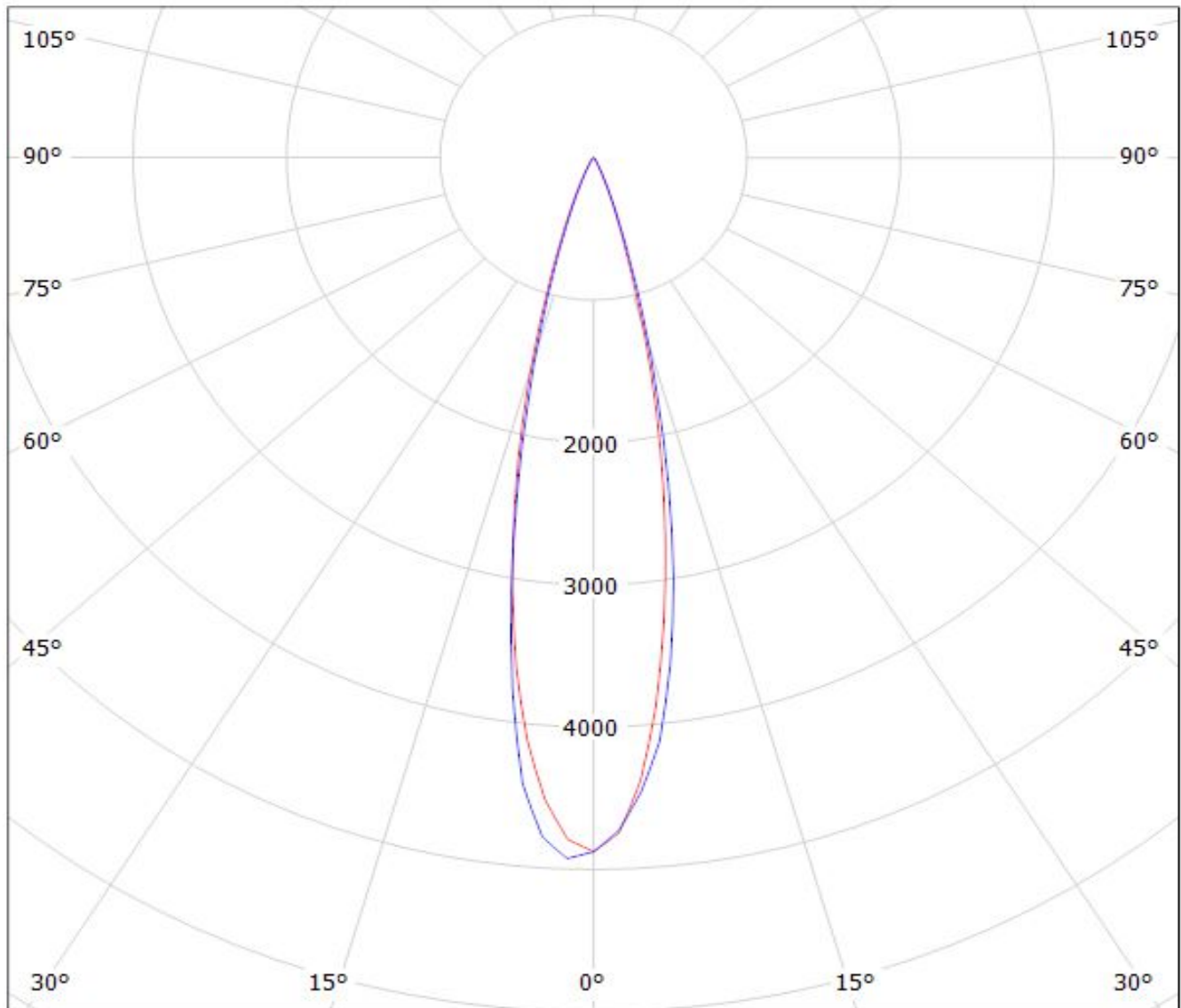


Luminaire: LEDil Oy CA12263\_LR2-D\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



Luminaire: Ledil Oy CP10869\_LN3-M\_(NCSxx19B) Eff. 91%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



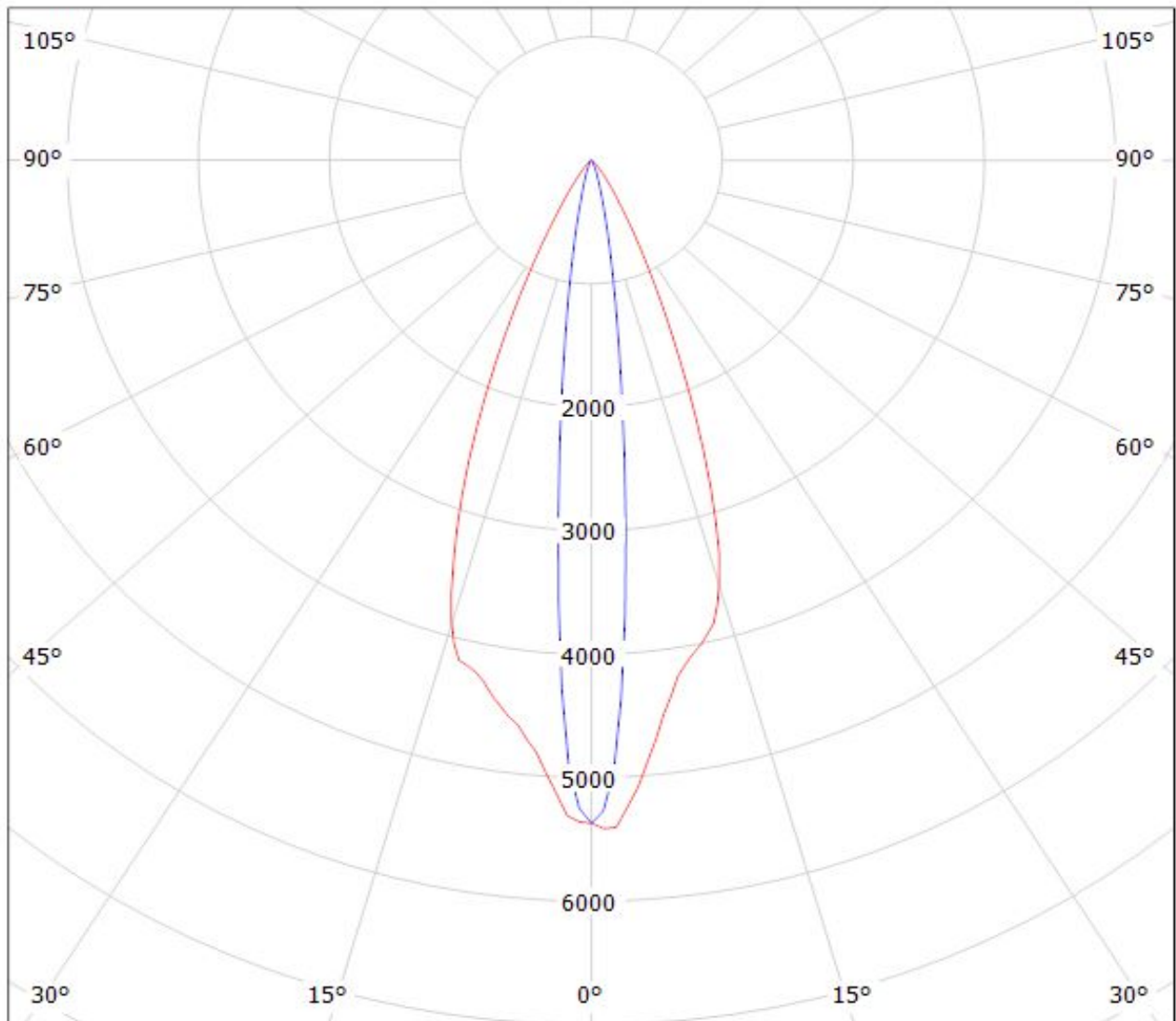
cd/klm

— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CP12405\_LN3-O-90\_(NCSxx19B) Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA

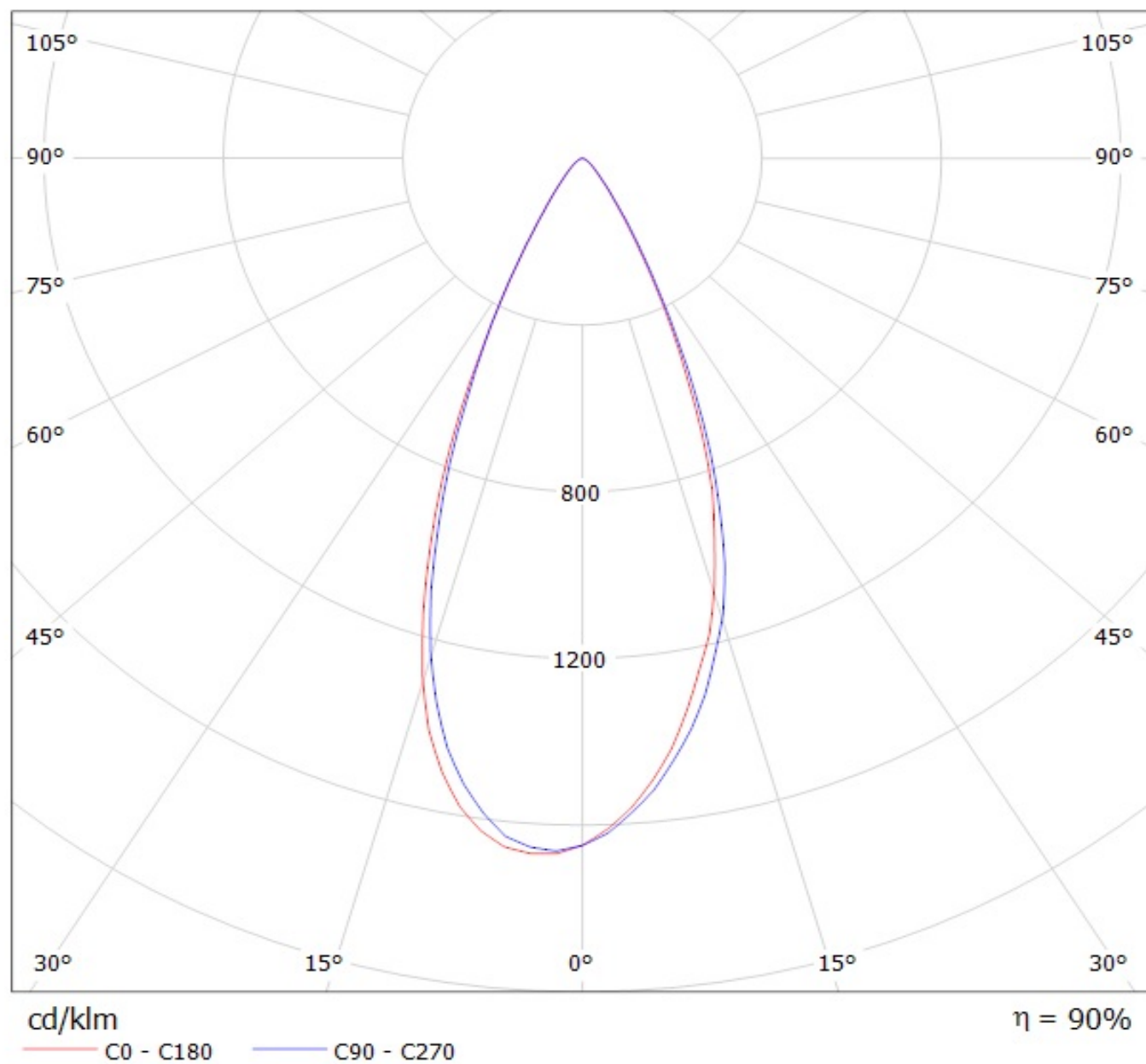


cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

Luminaire: LEDil Oy CA12393\_LR2-W\_(NCSxx19B) Efficiency=89%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



Luminaire: Ledil Oy CP12406\_LN3-W Eff. 90%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA

