

**Ordering number CN12918\_LENINA-S**

Family	Lenina	FWHM	16 degrees
Type	Pack	Efficiency	90 %
LED	NSBxL110	cd/lm	7.200
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12921\_LENINA-S-DL**

Family	Lenina	FWHM	19 degrees
Type	Pack	Efficiency	82 %
LED	NSBxL110	cd/lm	4.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12919\_LENINA-M**

Family	Lenina	FWHM	28 degrees
Type	Pack	Efficiency	88 %
LED	NSBxL110	cd/lm	2.500
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12922\_LENINA-M-DL**

Family	Lenina	FWHM	32 degrees
Type	Pack	Efficiency	81 %
LED	NSBxL110	cd/lm	1.800
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12920\_LENINA-W**

Family	Lenina	FWHM	50 degrees
Type	Pack	Efficiency	88 %
LED	NSBxL110	cd/lm	1.200
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12923\_LENINA-W-DL**

Family	Lenina	FWHM	55 degrees
Type	Pack	Efficiency	81 %
LED	NSBxL110	cd/lm	1.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	Ready		

**Ordering number CN12968\_LENINA-XW**

Family	Lenina	FWHM	73 degrees
Type	Pack	Efficiency	83 %
LED	NSBxL110	cd/lm	0.615
Color	White	Gerber File	Available
Diameter	74 mm		
Height	46.95 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, socket		
Status	Ready		

Reflector twist-and-locks into included base part that holds COE

**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

### Lenina series

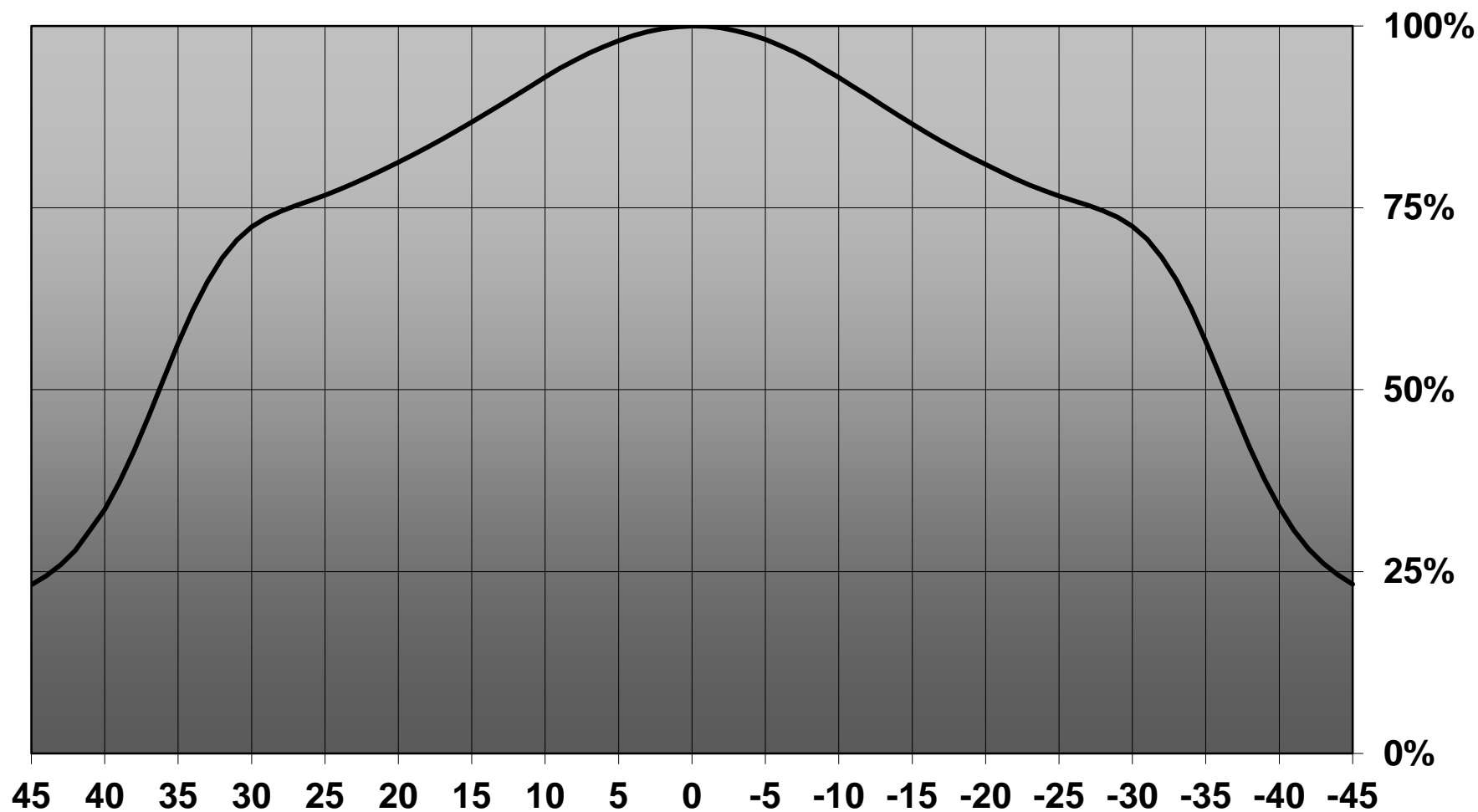
last update 27/9/2012



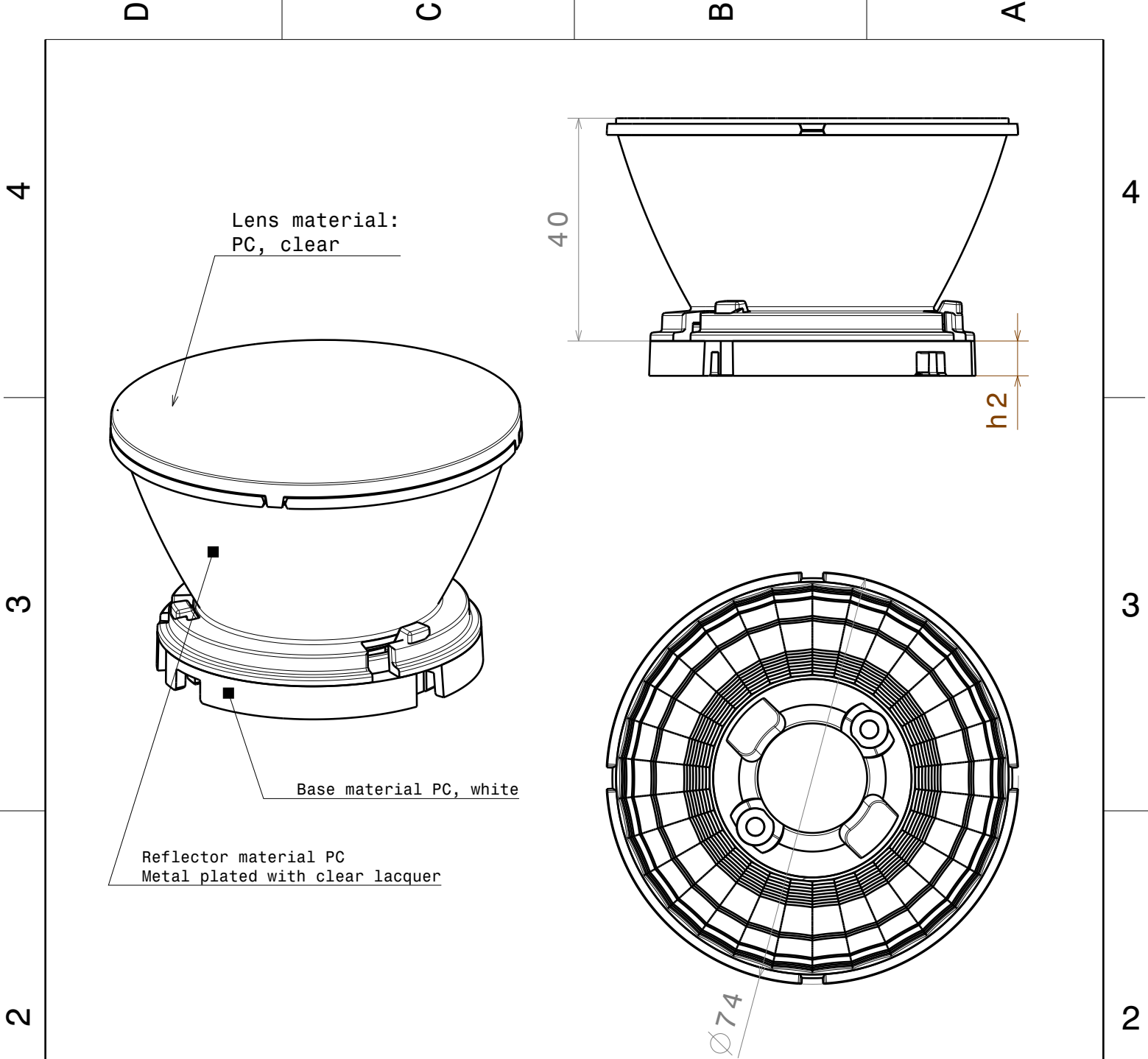
#### GENERAL INFORMATION

- Product series especially designed & optimized for NSBxL110 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

### Absolute intensity of CN12968\_LENINA-XW




— CN12968\_LENINA-XW



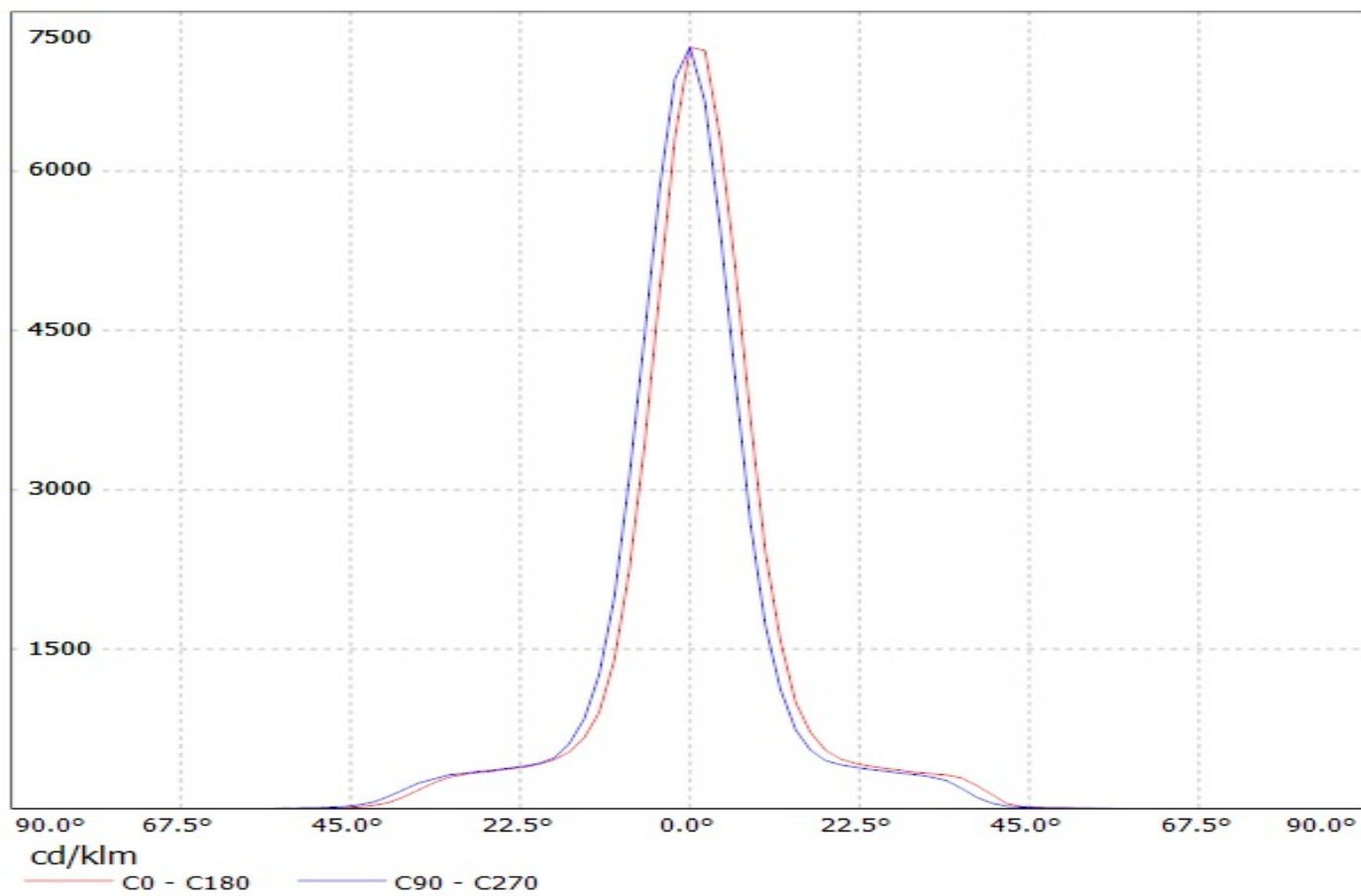
**NOTE:**

Using optional sublens, add 2.1mm to the system height

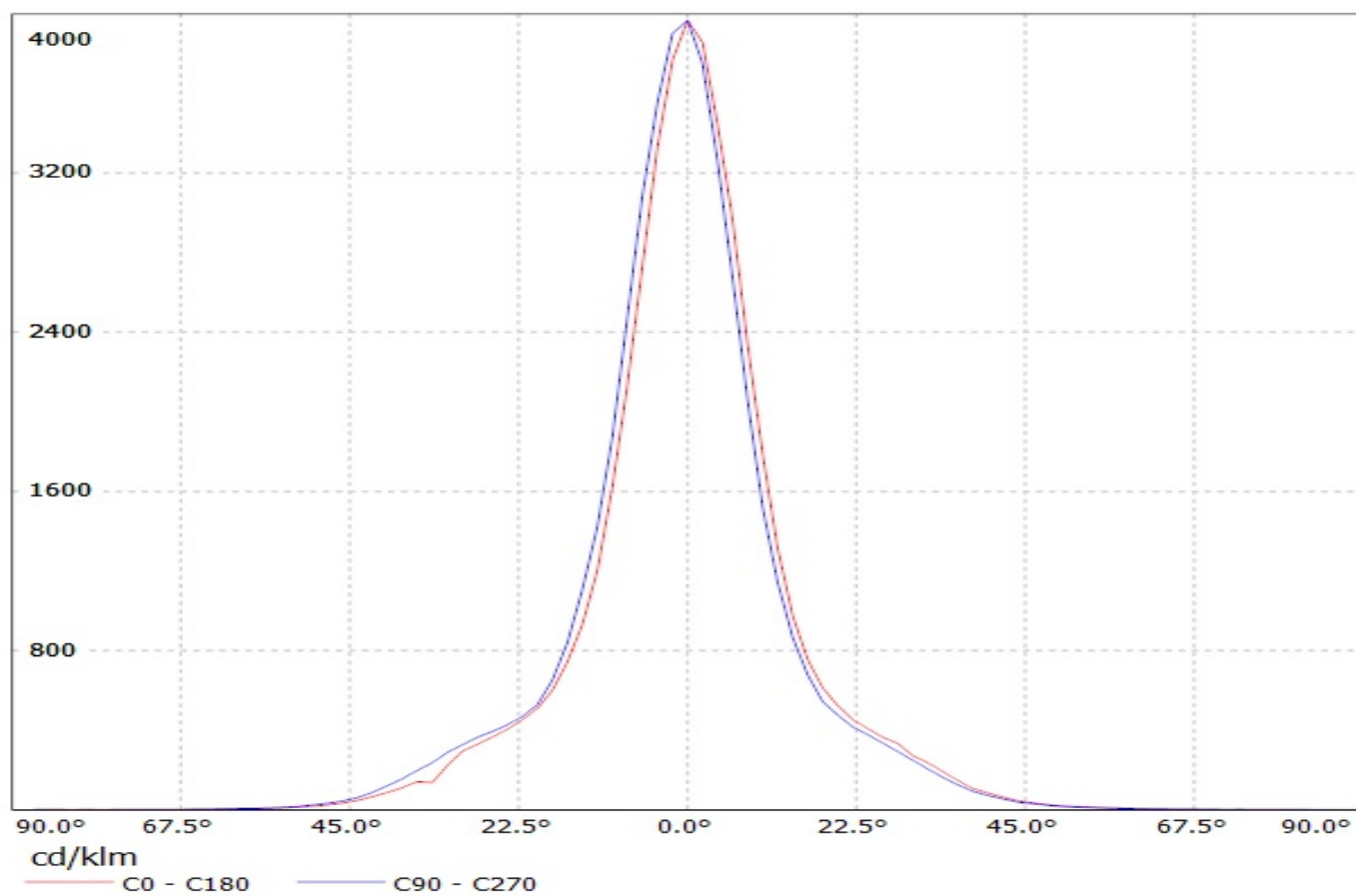
Dimension 'h2' varies from 4.5mm to 7mm depending on the LED specific base part

This drawing is our property. It can't be reproduced or communicated without our written agreement.				Ledil Oy Salorankatu 10 FIN-24240 SALO Finland	
				DRAWING TITLE	
DRAWN BY pl		DATE 08.03.2012		<b>Datasheet Lenina series</b>	
CHECKED BY		DATE			
DESIGNED BY pl		DATE 08.03.2012		SIZE A4	DRAWING NUMBER --
		SCALE	1:1	WEIGHT (g)	SHEET
					1/1

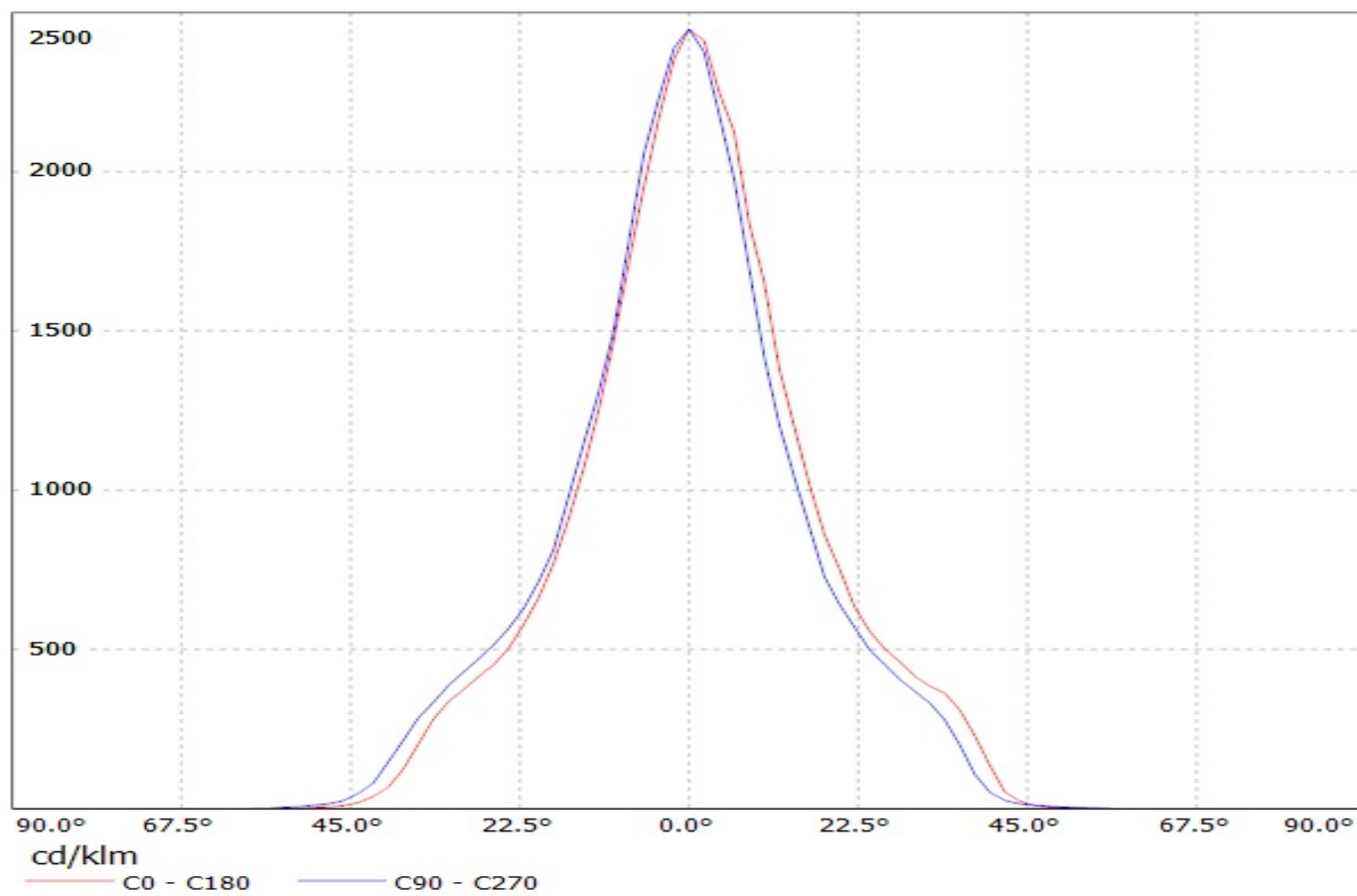
Luminaire: Ledil Oy CN12918\_LENINA-S\_L110 (Nichia COBL110 515lm @ 250mA) Efficiency=90%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA



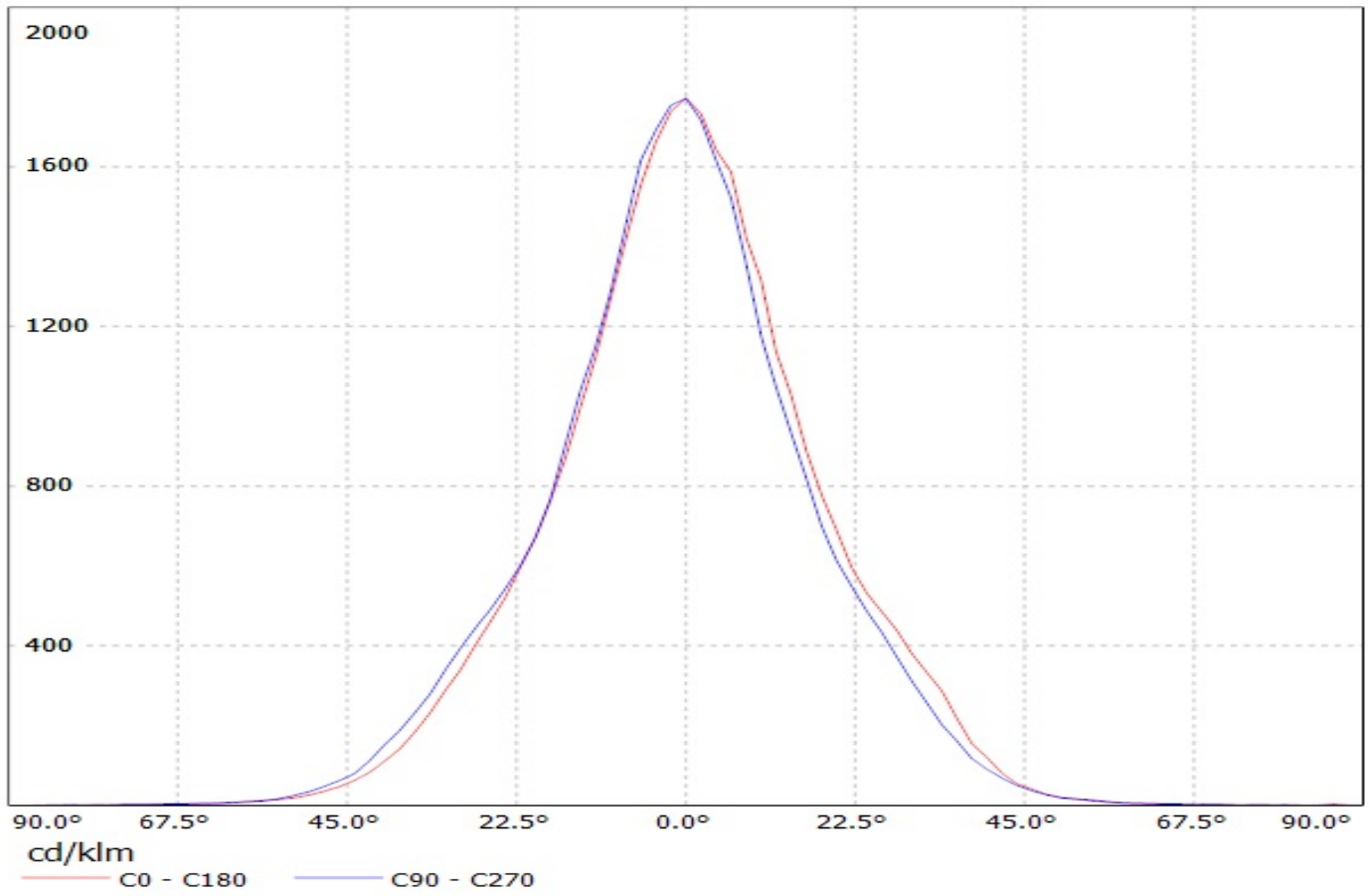
Luminaire: Ledil Oy CN12921\_LENINA-S-DL (Nichia COBL110 515lm @ 250mA) Efficiency=82%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA



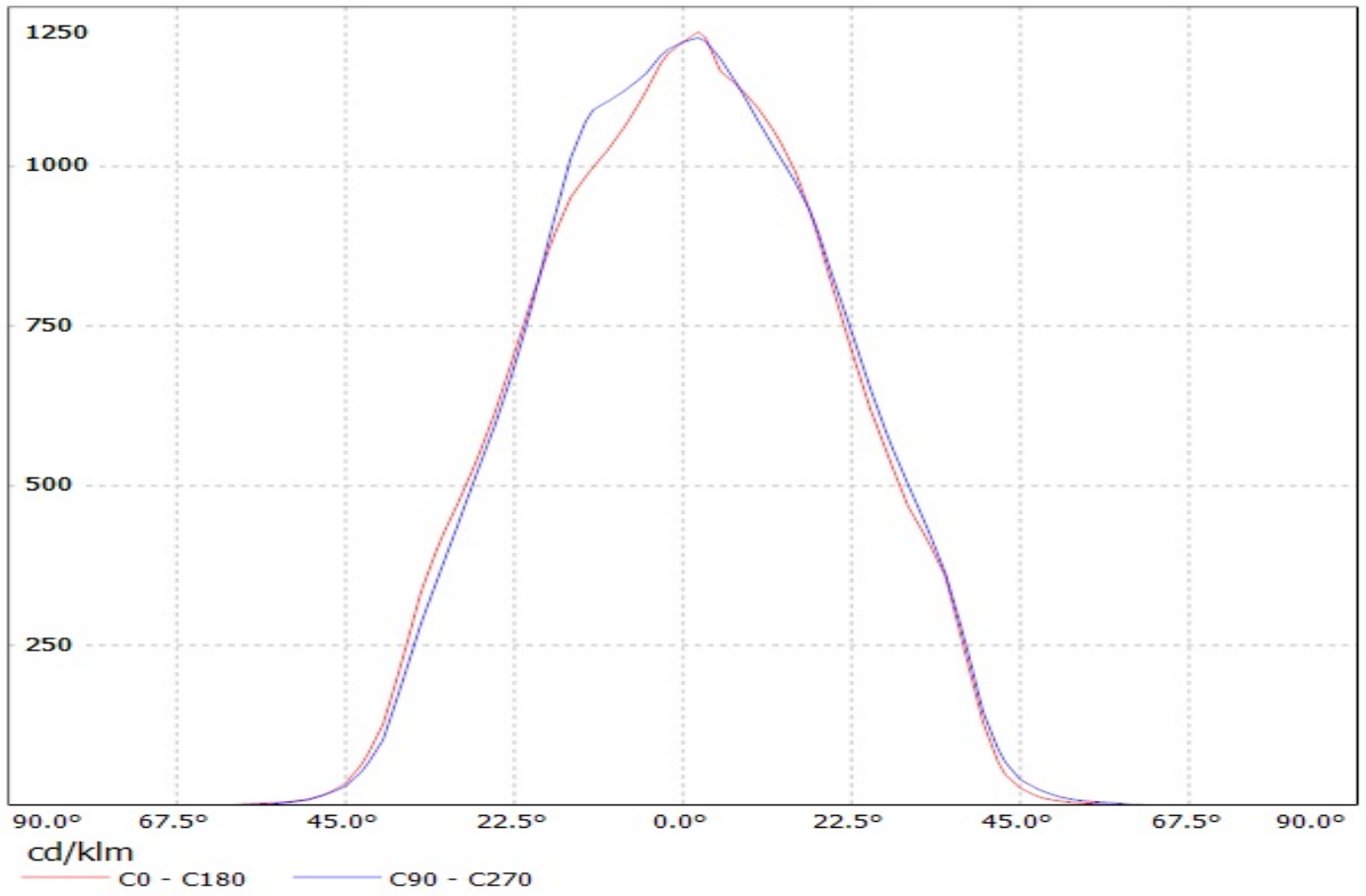
Luminaire: Ledil Oy CN12919\_LENINA-M (Nichia COB-L110 515lm @ 250mA) Efficiency=88%  
Lamps: 1 x Nichia COB-L110 515lm @ 250mA



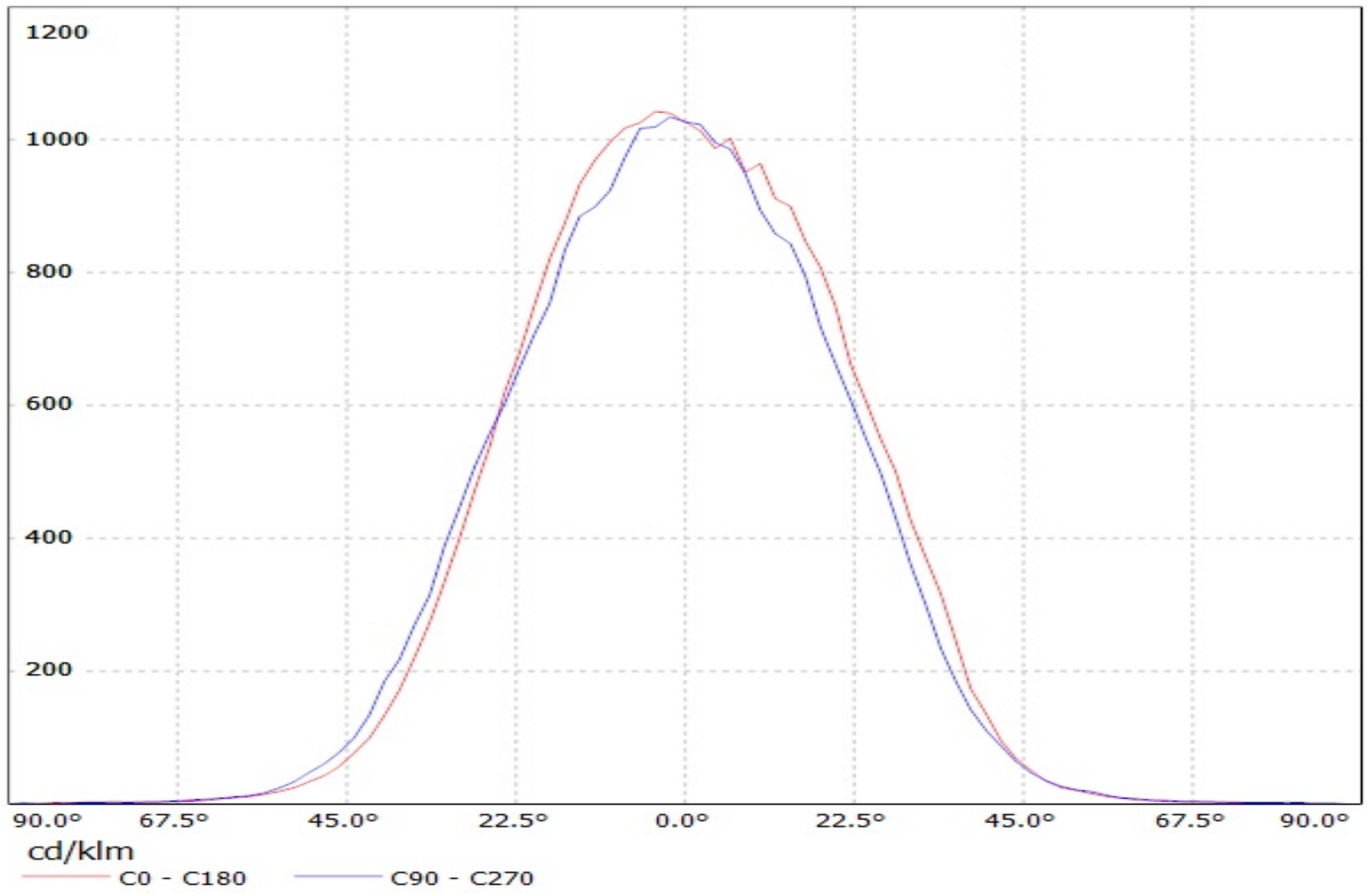
Luminaire: Ledil Oy CN12922\_LENINA-M-DL (Nichia COBL110 515lm @ 250mA) Efficiency=81%  
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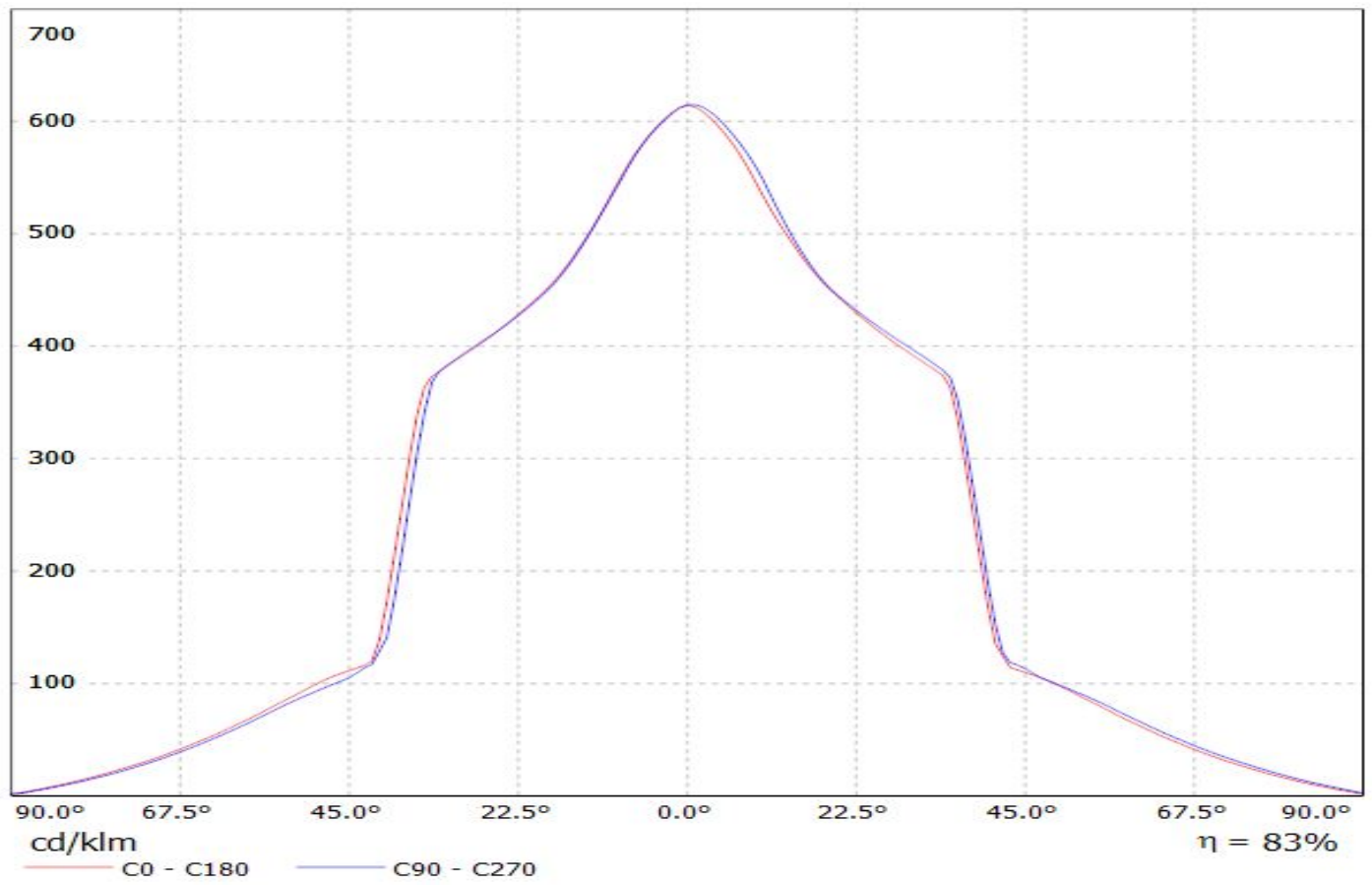
Luminaire: Ledil Oy CN12920\_LENINA-W (Nichia COB-L110 515lm @ 250mA) Efficiency=88%  
Lamps: 1 x Nichia COB-L110 515lm @ 250mA



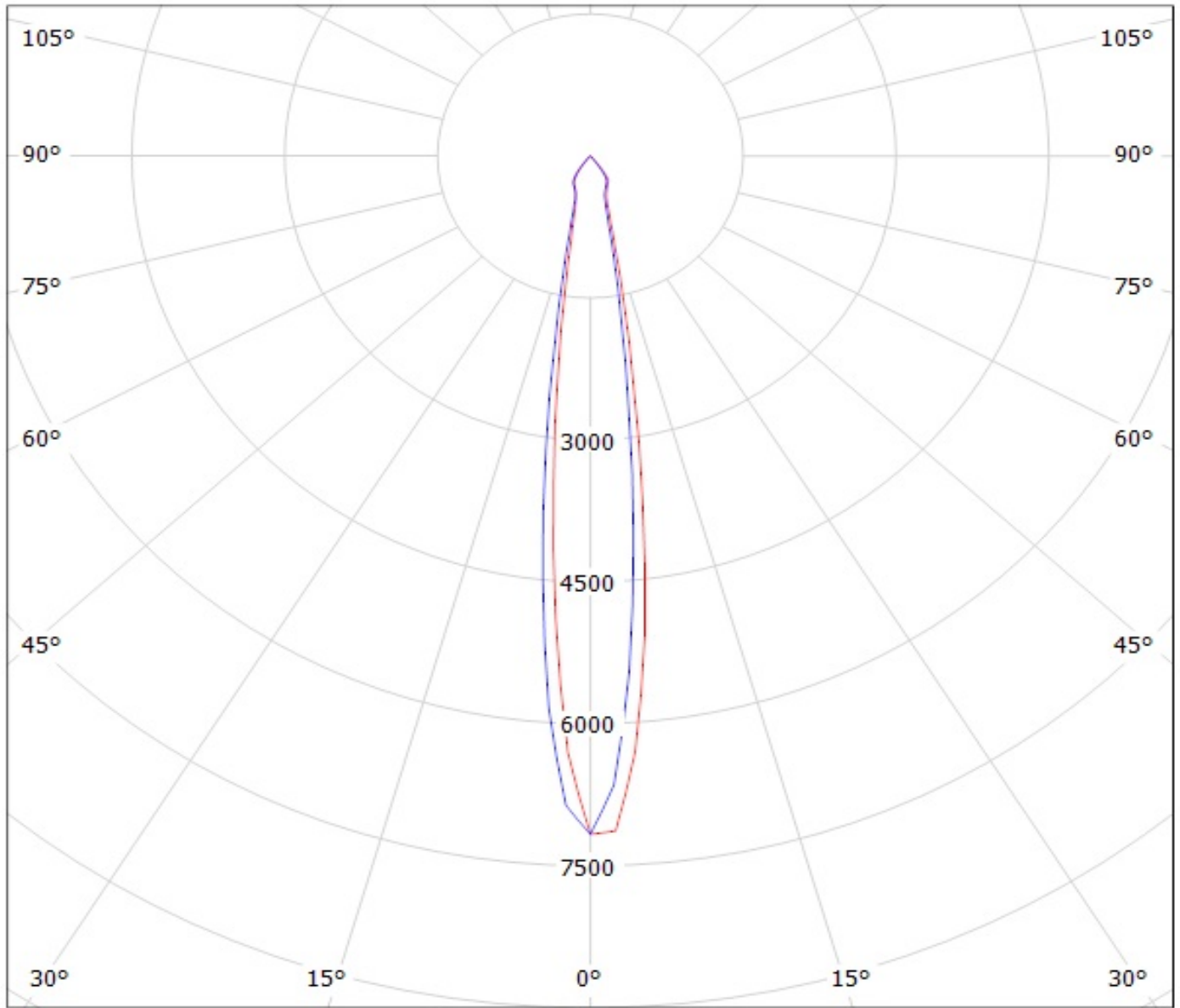
Luminaire: Ledil Oy CN12923\_LENINA-W-DL (Nichia COBL110 515lm @ 250mA) Efficiency=81%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA



Luminaire: LEDIL OY CN12968\_LENINA-XW Eff.82.6%  
Lamps: 1 x NICHIA COB-L110 (583.6lm@250mA)



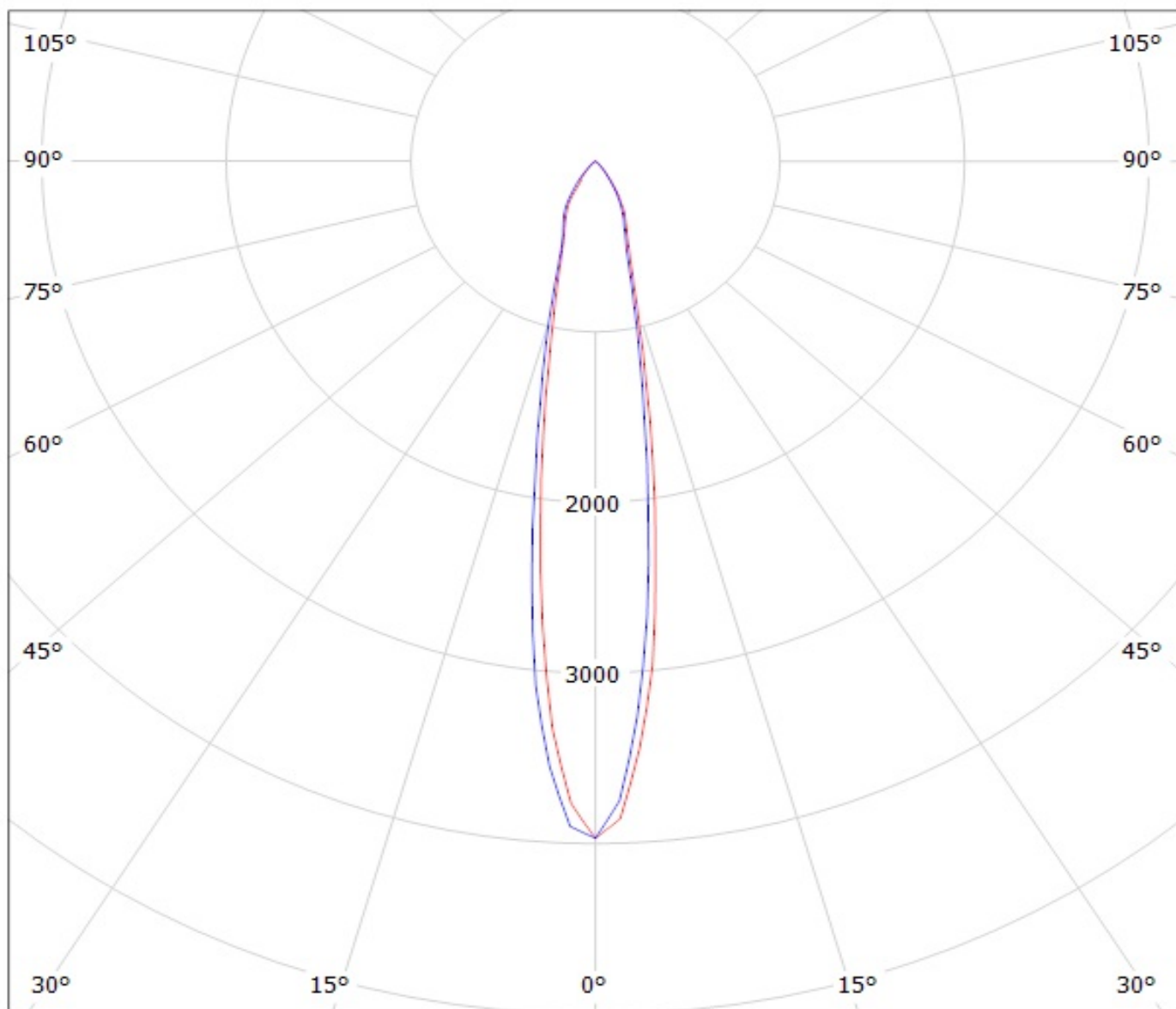
Luminaire: Ledil Oy CN12918\_LENINA-S\_L110 (Nichia COBL110 515lm @ 250mA) Efficiency=90%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CN12921\_LENINA-S-DL (Nichia COBL110 515lm @ 250mA) Efficiency=82%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA

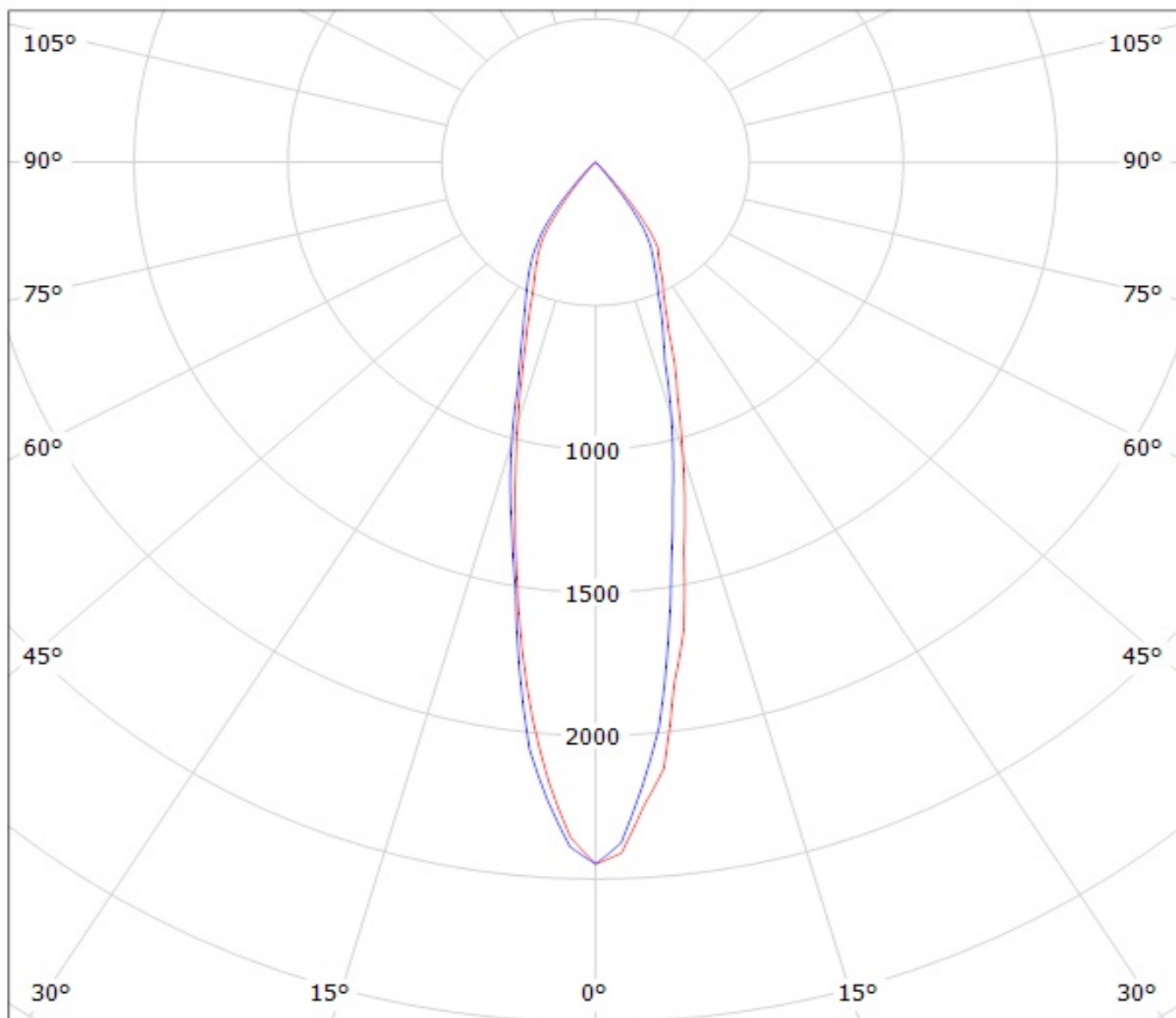


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12919\_LENINA-M (Nichia COB-L110 515lm @ 250mA) Efficiency=88%  
Lamps: 1 x Nichia COB-L110 515lm @ 250mA

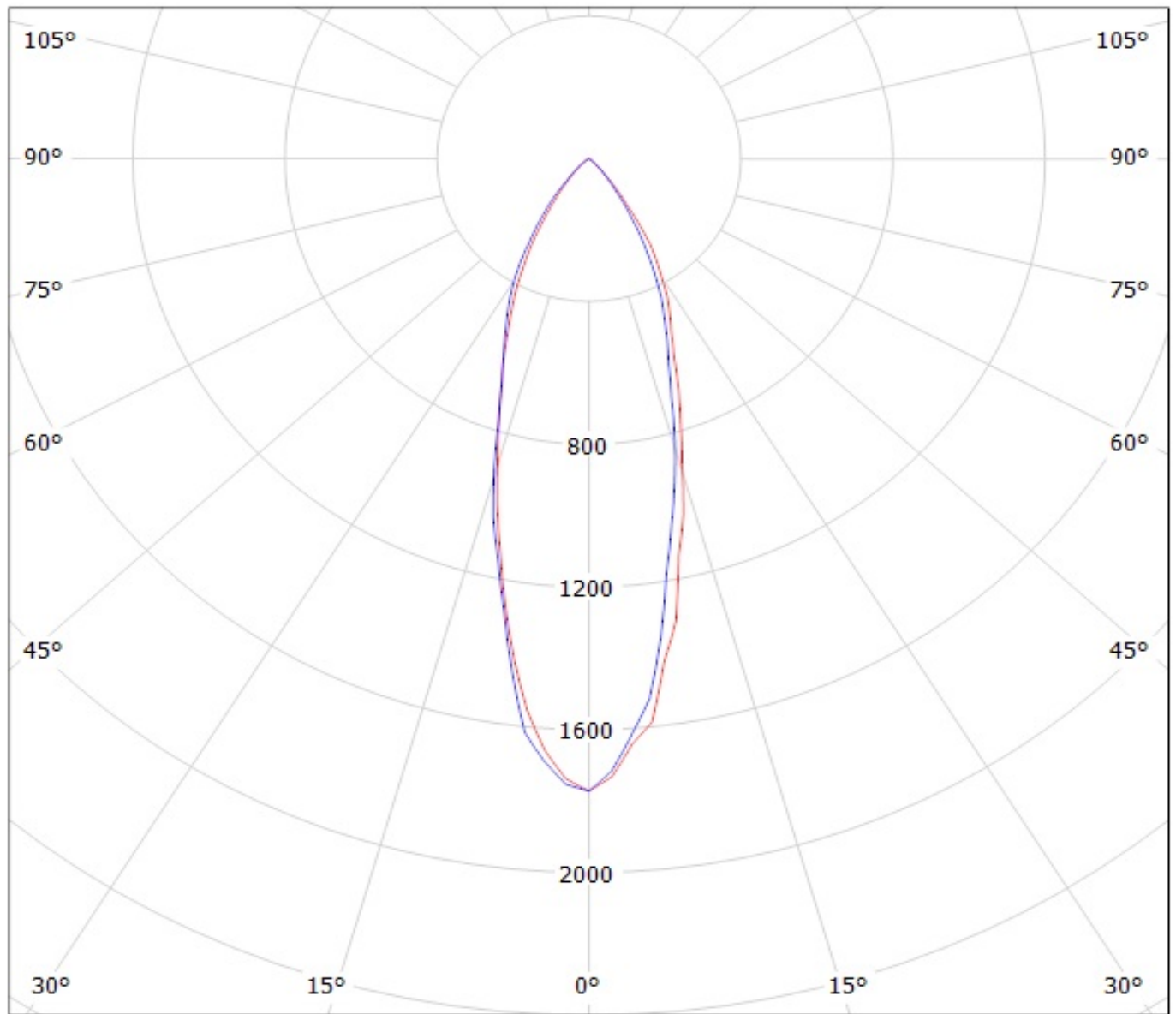


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12922\_LENINA-M-DL (Nichia COBL110 515lm @ 250mA) Efficiency=81%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA

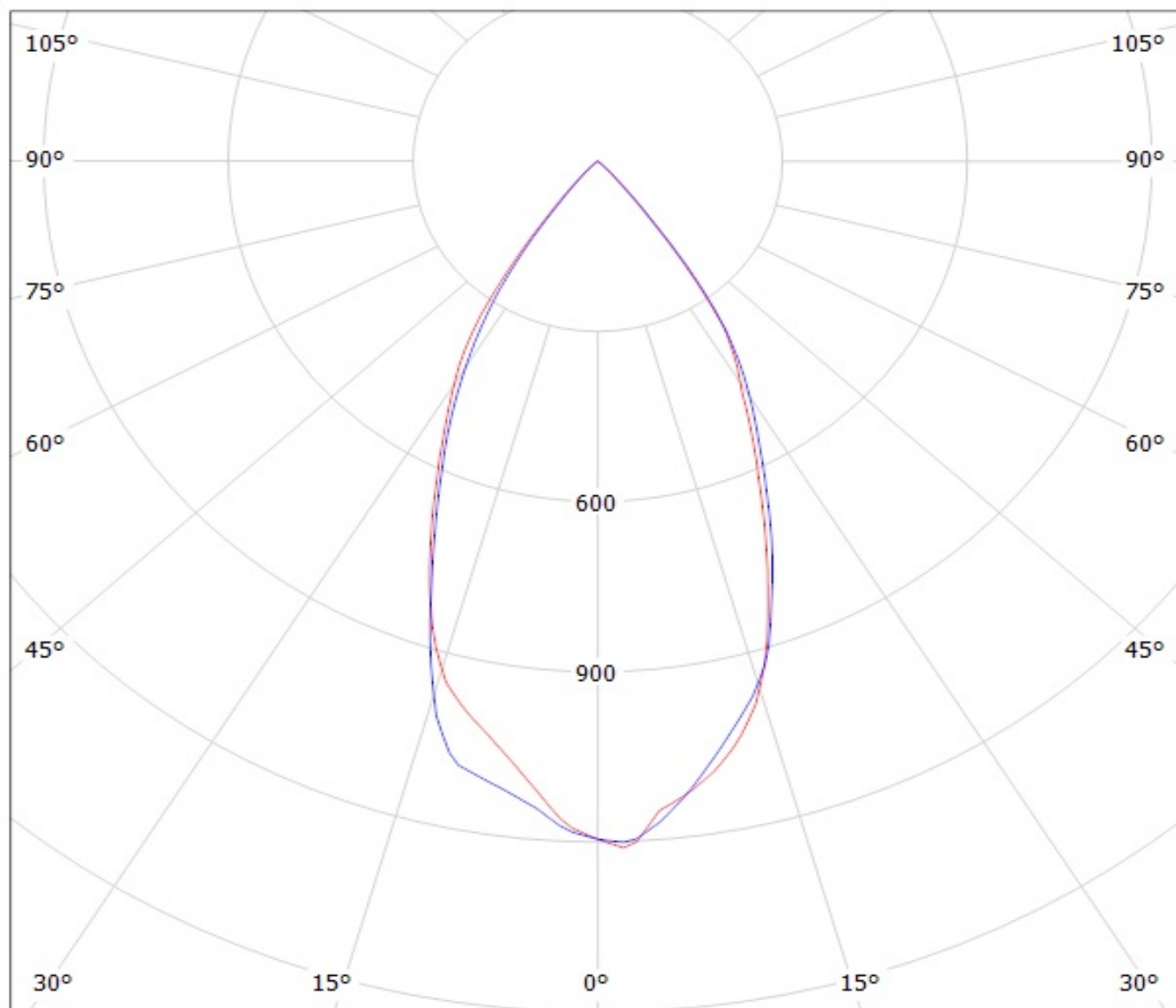


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CN12920\_LENINA-W (Nichia COB-L110 515lm @ 250mA) Efficiency=88%  
Lamps: 1 x Nichia COB-L110 515lm @ 250mA

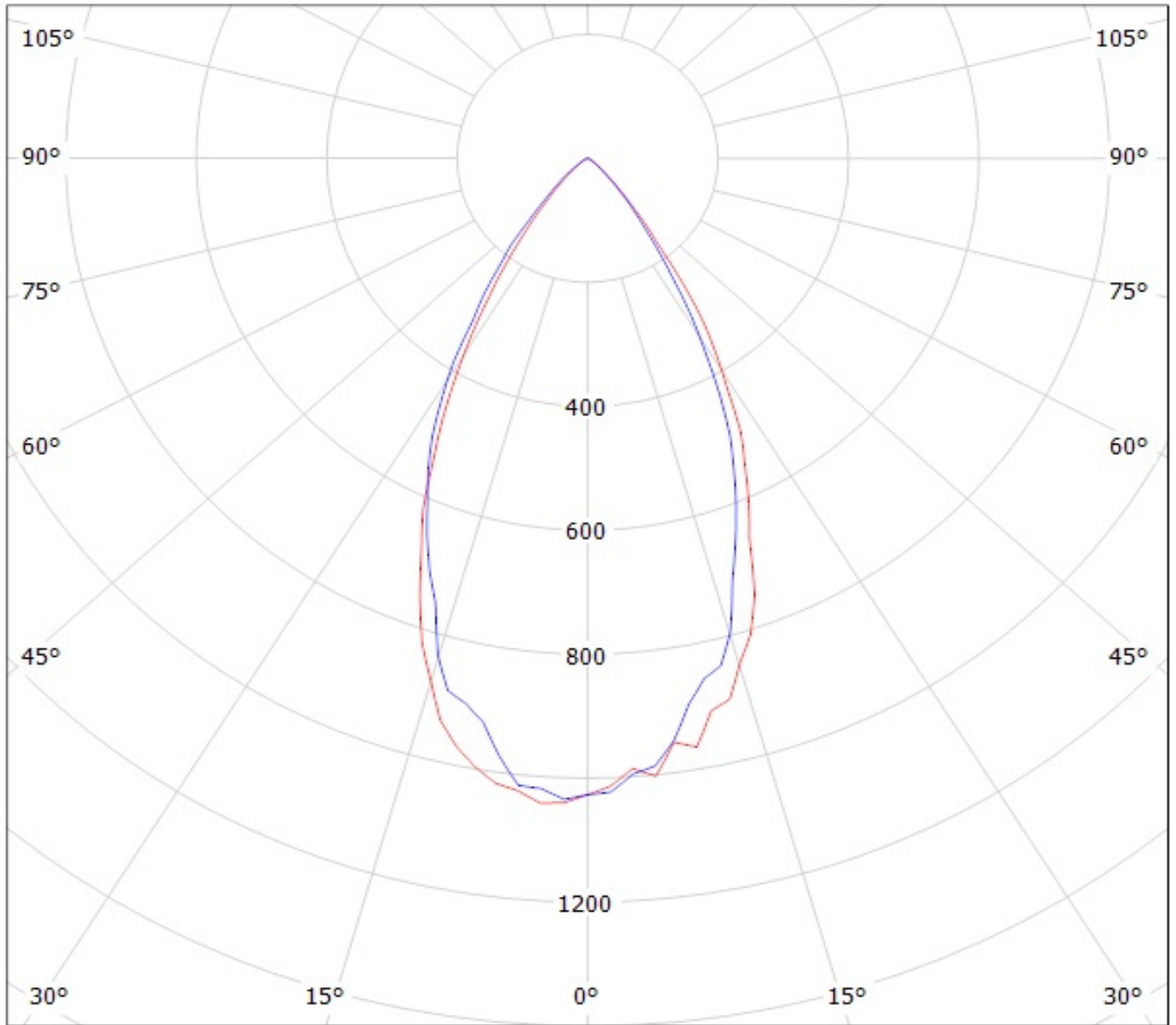


cd/klm

— C0 - C180

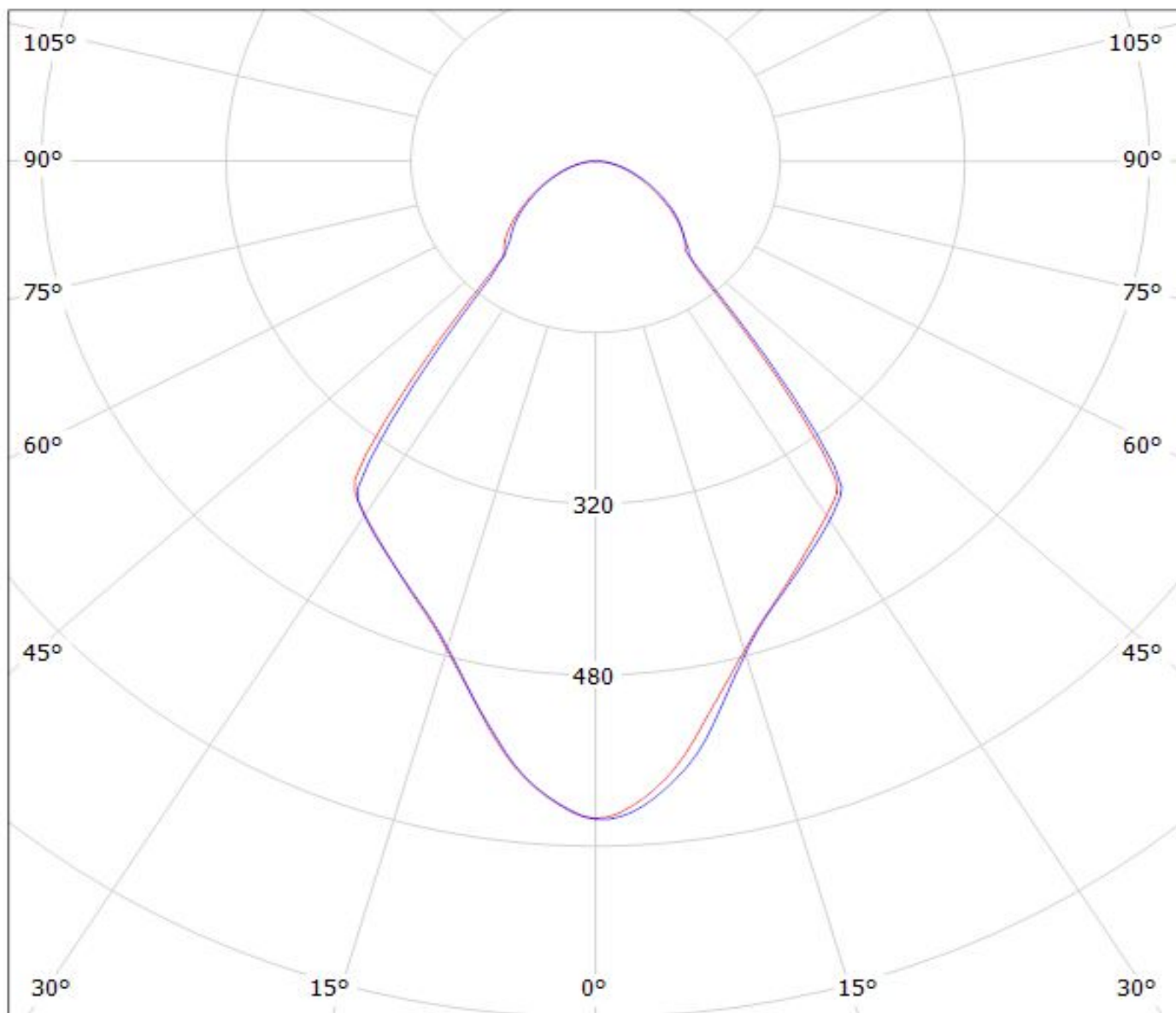
— C90 - C270

Luminaire: Ledil Oy CN12923\_LENINA-W-DL (Nichia COBL110 515lm @ 250mA) Efficiency=81%  
Lamps: 1 x Nichia COBL110 515lm @ 250mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: LEDIL OY CN12968\_LENINA-XW Eff.82.6%  
Lamps: 1 x NICHIA COB-L110 (583.6lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$