

**Ordering number** CN12600_LENINA-S

Family	Lenina	FWHM	15 degrees
Type	RefPack	Efficiency	88 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.25 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12603_LENINA-S-DL

Family	Lenina	FWHM	20 degrees
Type	RefPack	Efficiency	80 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.35 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12601_LENINA-M

Family	Lenina	FWHM	29 degrees
Type	RefPack	Efficiency	86 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.25 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12604_LENINA-M-DL

Family	Lenina	FWHM	36 degrees
Type	RefPack	Efficiency	78 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.35 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

**Ordering number** CN12602_LENINA-W

Family	Lenina	FWHM	54 degrees
Type	RefPack	Efficiency	86 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.25 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12605_LENINA-W-DL

Family	Lenina	FWHM	54 degrees
Type	RefPack	Efficiency	78 %
LED	BXRA ES Rectangle	cd/Im	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.35 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

**Ordering number** CN12974_LENINA-XW-DL

Family	Lenina	FWHM	72.5 degrees
Type	RefPack	Efficiency	84 %
LED	BXRA ES Rectangle	cd/Im	0.567
Color	White	Gerber File	Available
Diameter	74 mm		
Height	48.35 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.

**Ordering number** CN12960_LENINA-XW

Family	Lenina	FWHM	74 degrees
Type	RefPack	Efficiency	89 %
LED	BXRA ES Rectangle	cd/Im	0.611
Color	White	Gerber File	Available
Diameter	74 mm		
Height	46.25 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



PRODUCT DATASHEET
Lenina series
last update 18/3/2013



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 18/3/2013



GENERAL INFORMATION

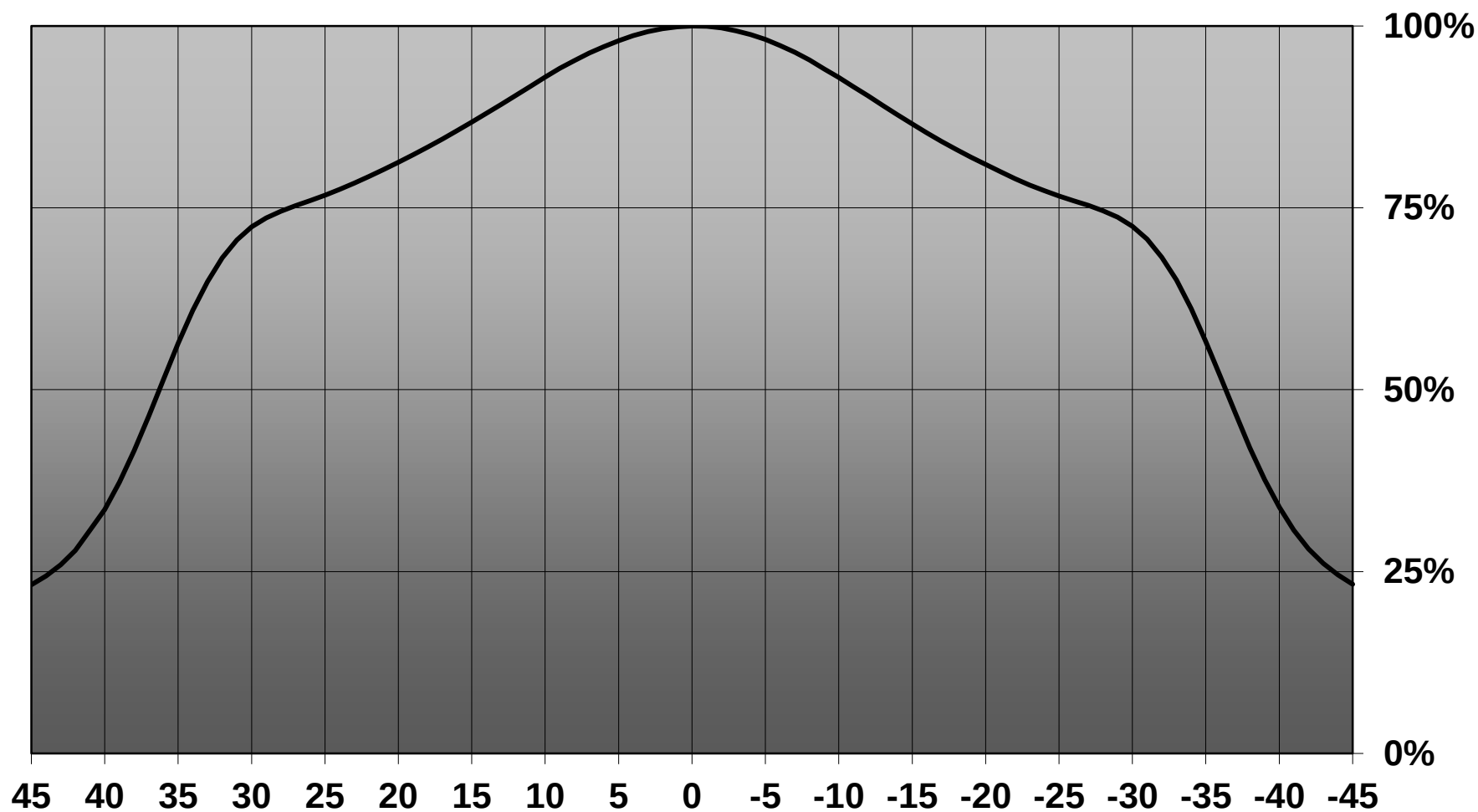
- Product series especially designed & optimized for BXRA ES Rectangle series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

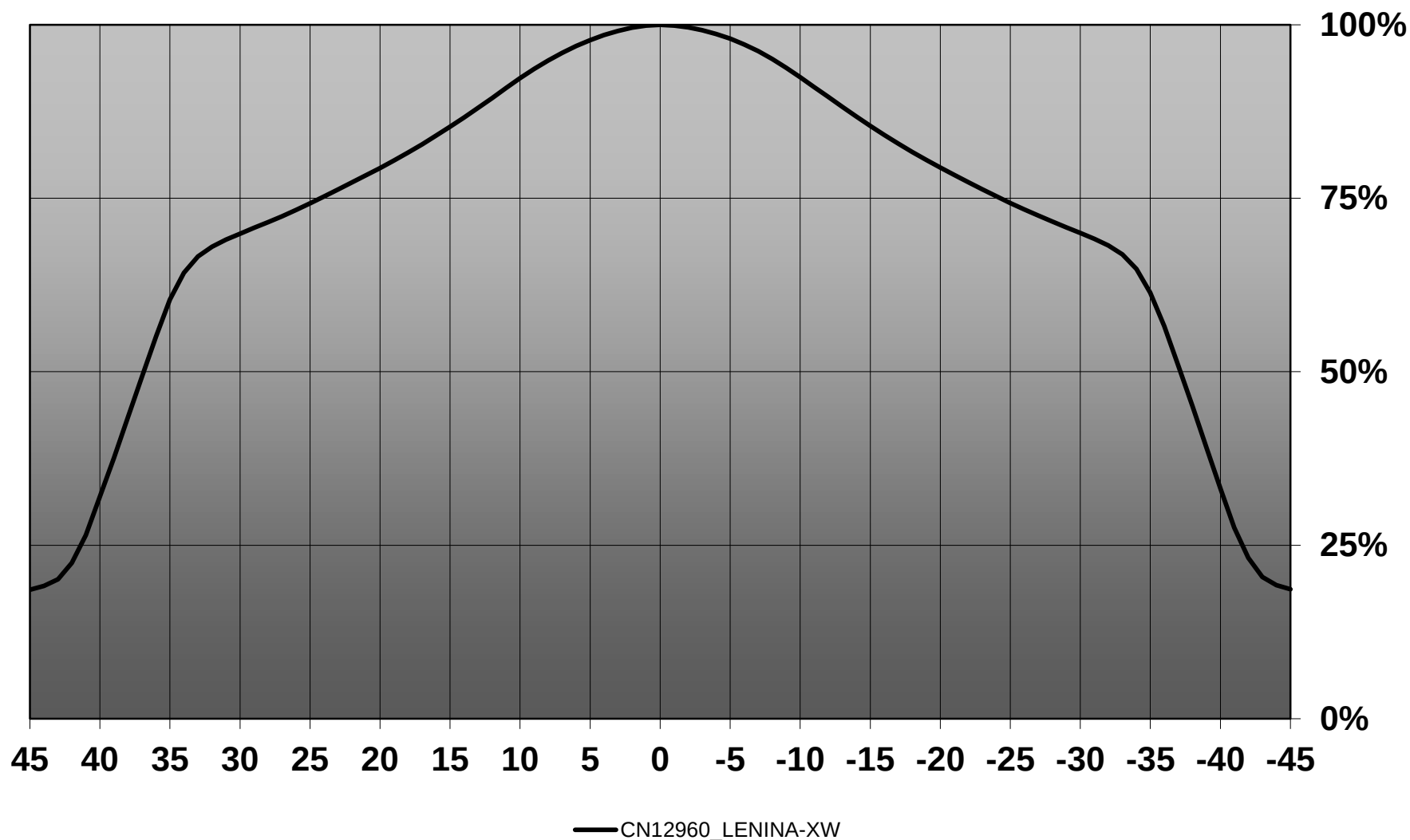
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Absolute intensity of CN12974_LENINA-XW-DL



— CN12974_LENINA-XW-DL

Absolute intensity of CN12960_LENINA-XW



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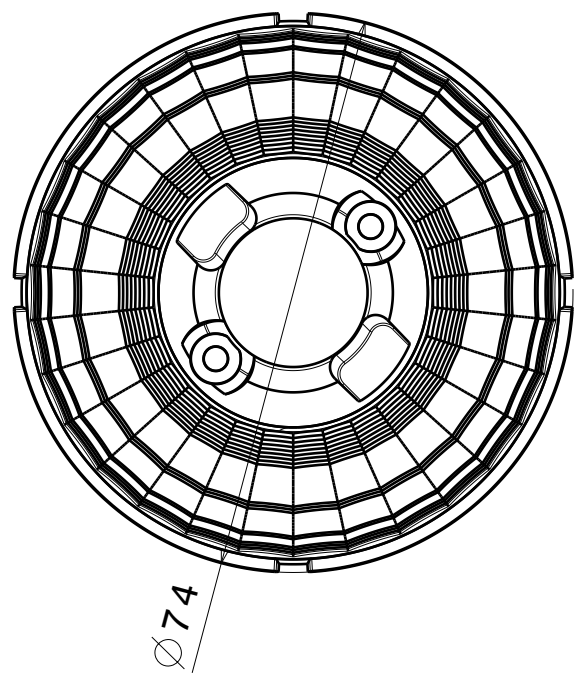
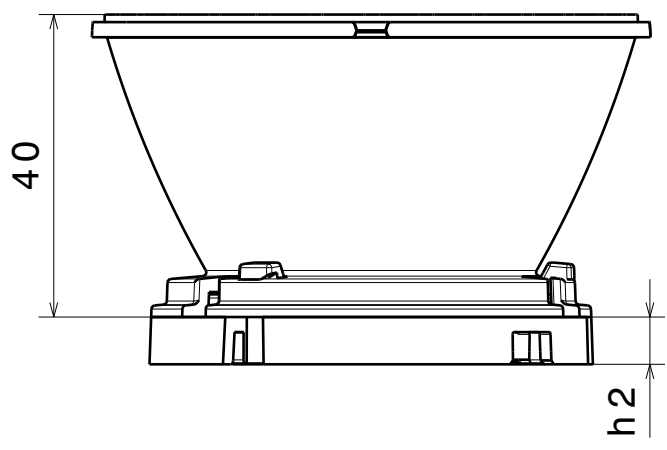
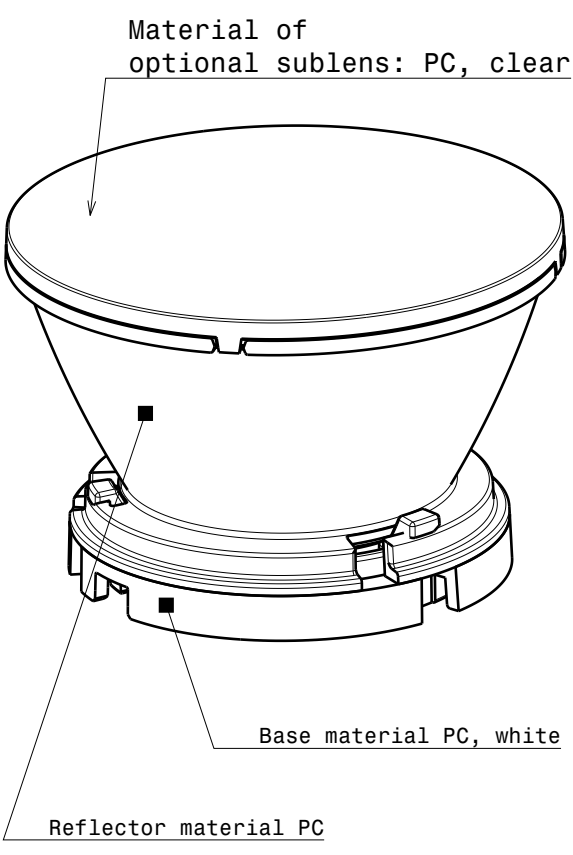
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NOTE:

Using optional sub-lens, add 2.1mm to the system height

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

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Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE

Datasheet Lenina series

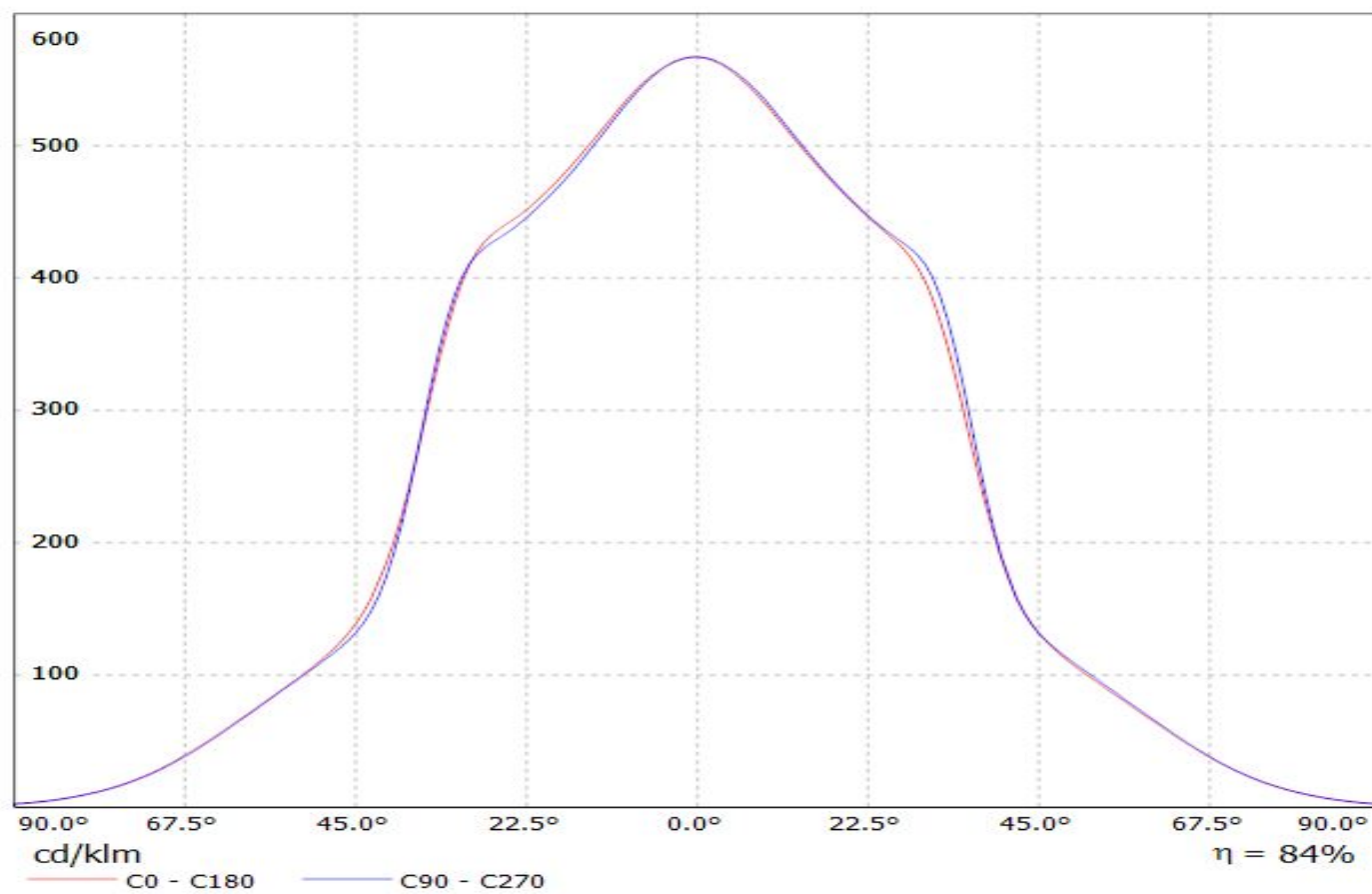
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CHECKED BY	DATE	SIZE A4	DRAWING NUMBER --				REV 1
DESIGNED BY pl	DATE 08.03.2012	SCALE 1:1	WEIGHT (g)			SHEET 1 / 1	

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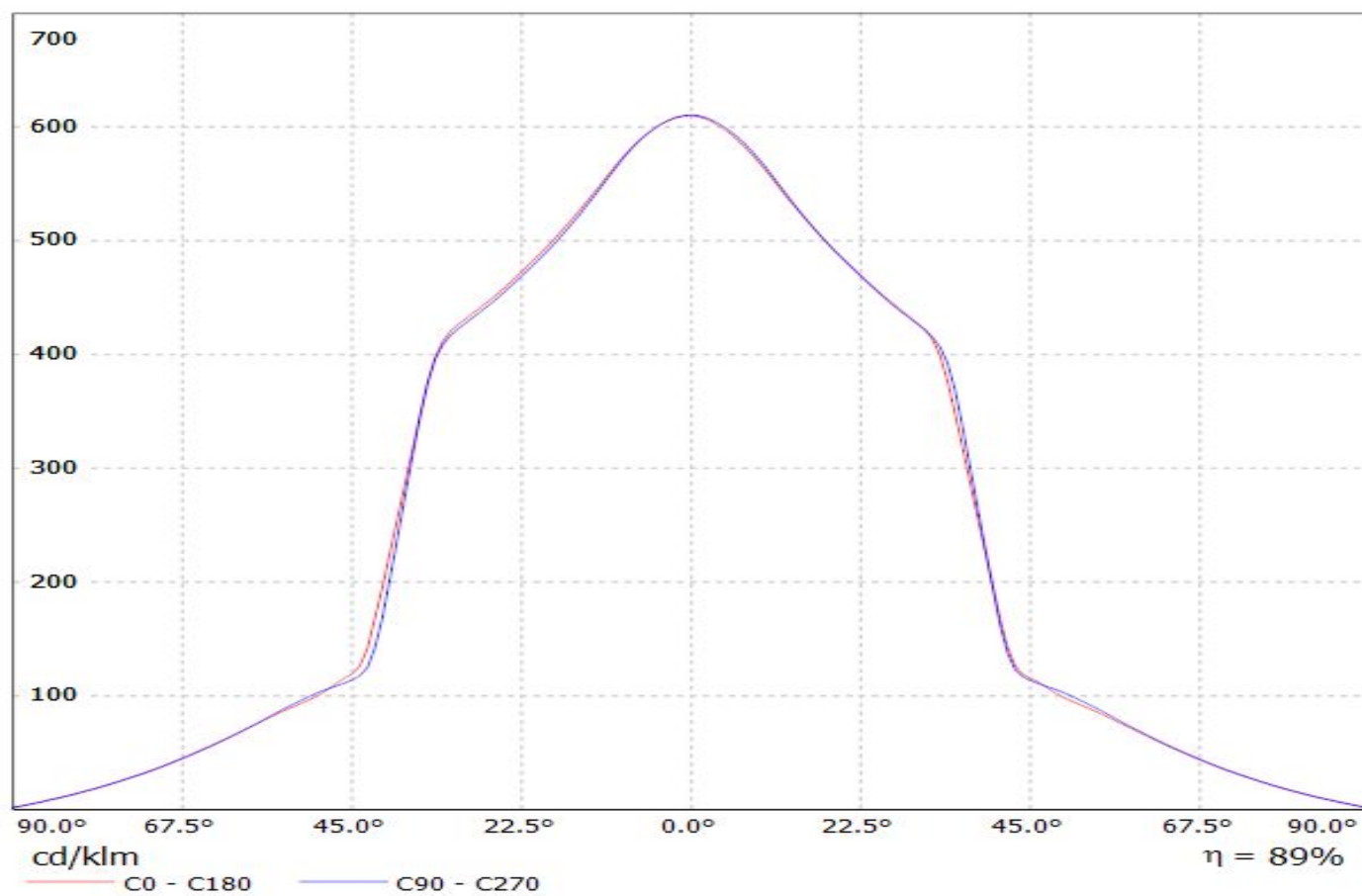
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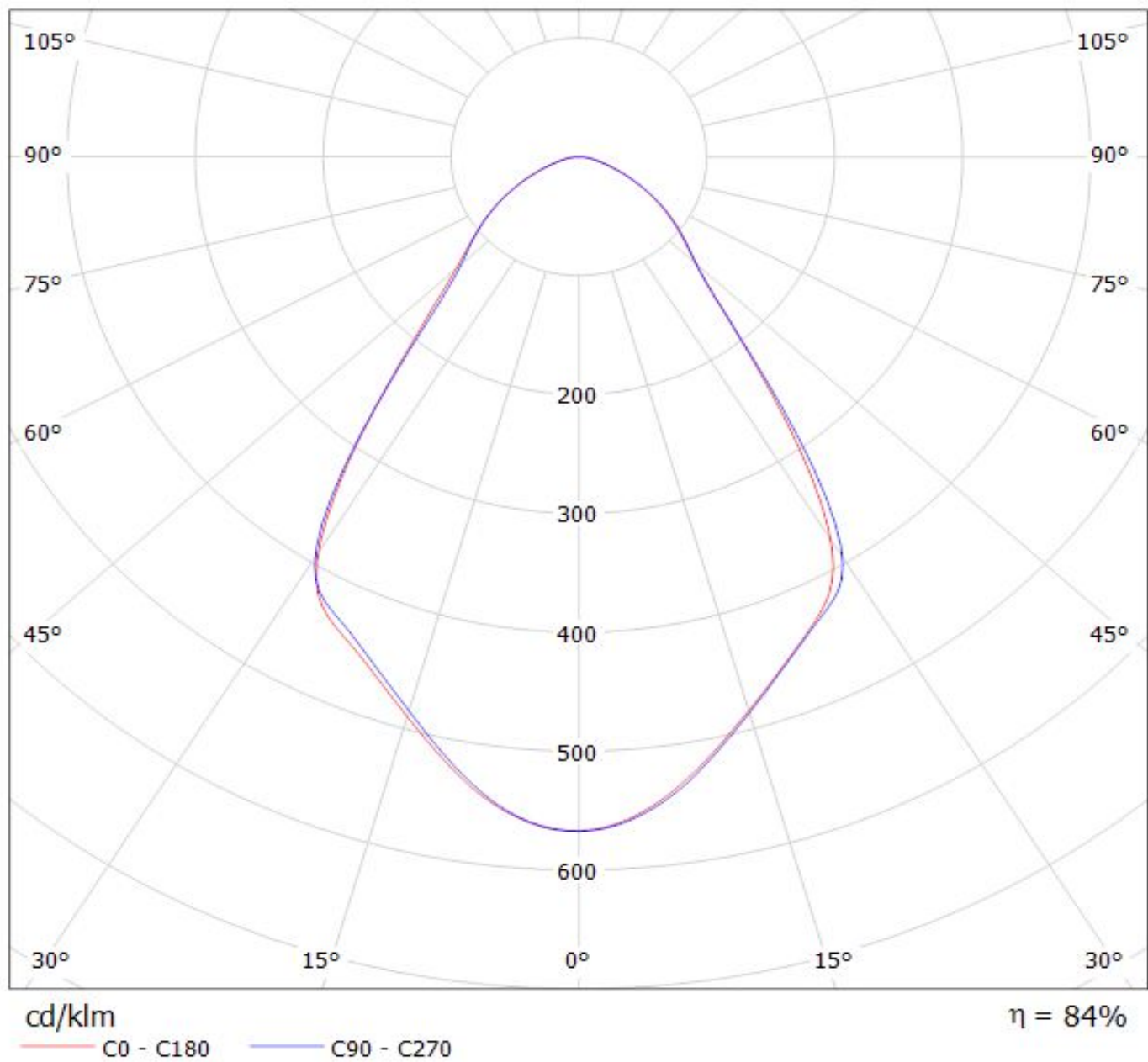
Luminaire: LEDIL OY CN12974_LENINA-XW-DL Eff.84.2%
Lamps: 1 x BXRA ES Rectangle (790.36lm@250mA)



Luminaire: LEDIL OY CN12960_LENINA-XW Eff.88,8%
Lamps: 1 x BXRA ES Rectangle (790.36lm@250mA)



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