

**Ordering number CN13344\_LENINA-S**

Family	Lenina	FWHM	22 degrees
Type	Pack	Efficiency	86 %
LED	CXA25	cd/lm	3.200
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	47.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13347\_LENINA-S-DL**

Family	Lenina	FWHM	23 degrees
Type	Pack	Efficiency	78 %
LED	CXA25	cd/lm	2.700
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	49.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13345\_LENINA-M**

Family	Lenina	FWHM	33 degrees
Type	Pack	Efficiency	86 %
LED	CXA25	cd/lm	1.900
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	47.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13348\_LENINA-M-DL**

Family	Lenina	FWHM	35 degrees
Type	Pack	Efficiency	78 %
LED	CXA25	cd/lm	1.600
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	49.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13346\_LENINA-W**

Family	Lenina	FWHM	51 degrees
Type	Pack	Efficiency	84 %
LED	CXA25	cd/lm	1.200
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	47.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13349\_LENINA-W-DL**

Family	Lenina	FWHM	52 degrees
Type	Pack	Efficiency	76 %
LED	CXA25	cd/lm	1.100
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	49.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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

**Ordering number CN13351\_LENINA-XW**

Family	Lenina	FWHM	70 degrees
Type	Pack	Efficiency	89 %
LED	CXA25	cd/lm	0.700
Color	White	Gerber File	Available
Diameter	74 mm		
Height	47.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw		
Status	On production		

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

**Ordering number CN13352\_LENINA-XW-DL**

Family	Lenina	FWHM	70 degrees
Type	Pack	Efficiency	84 %
LED	CXA25	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	74 mm		
Height	47.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket		
Status	On production		

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



**PRODUCT DATASHEET**  
**Lenina series**  
last update 2/5/2013

**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 2/5/2013

#### GENERAL INFORMATION

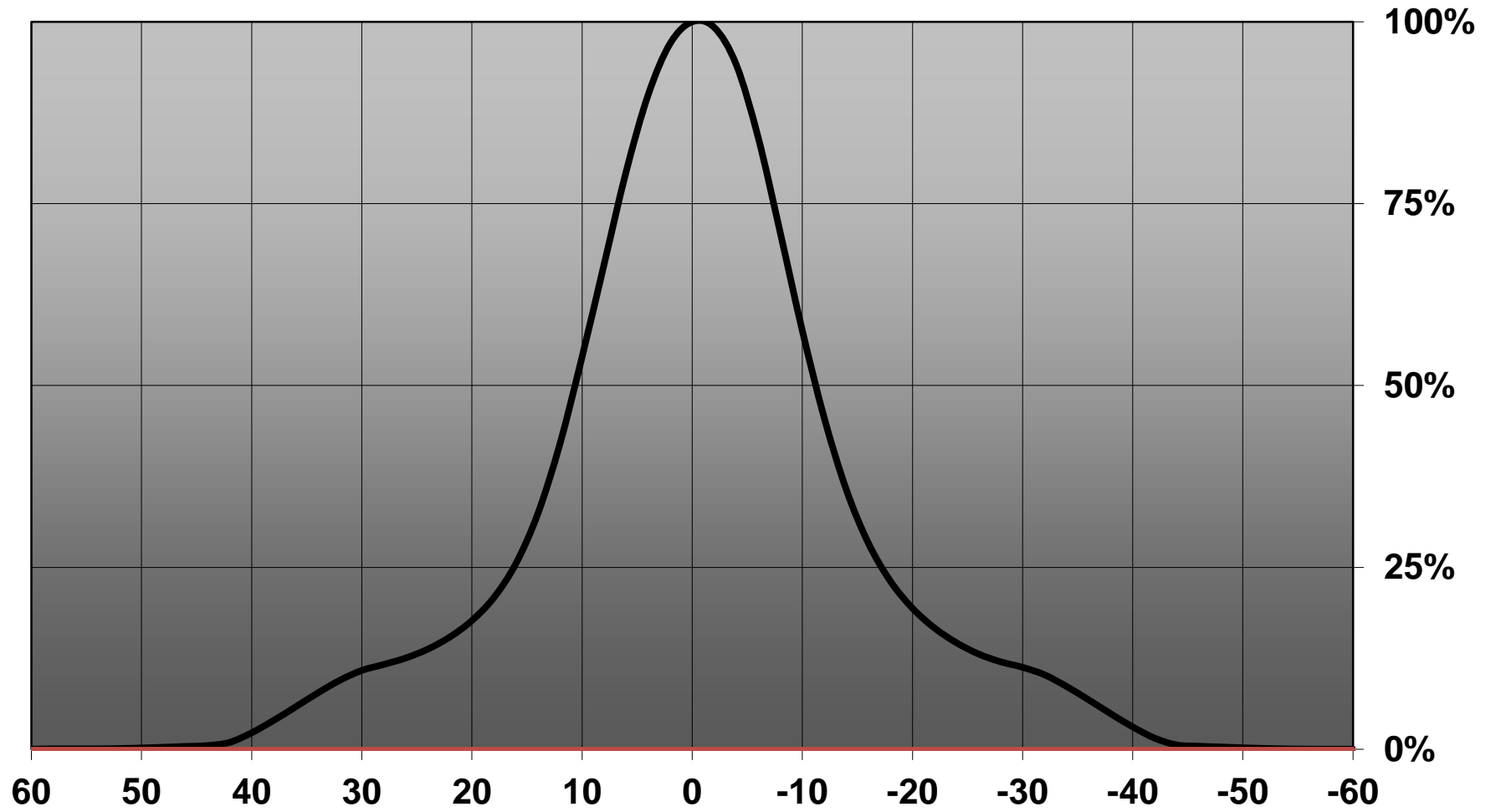
- Product series especially designed & optimized for CXA25 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

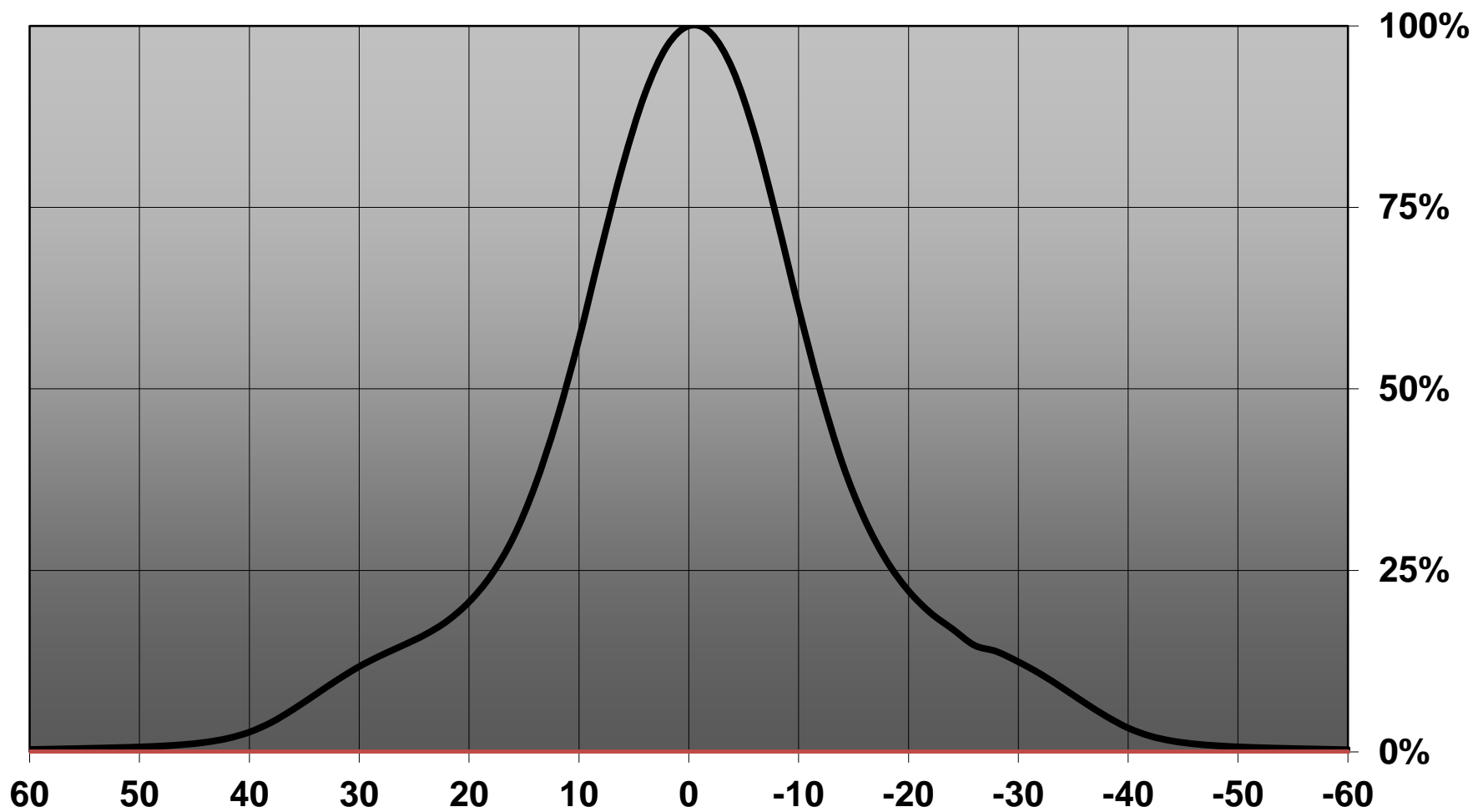
[http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400\\_2407\\_2456\\_2458-UL.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf)

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

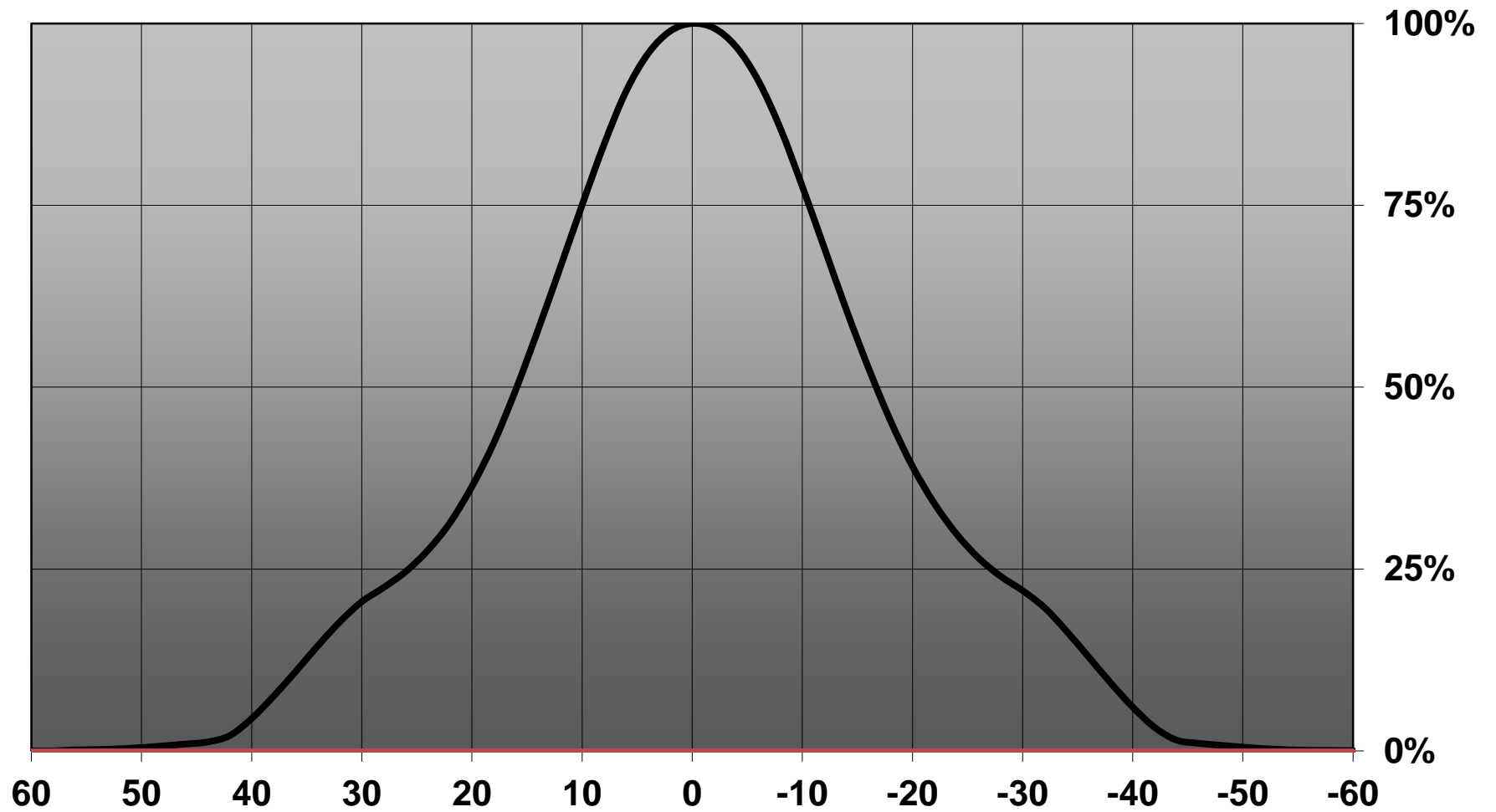
### Relative intensity of CN13344\_LENINA-S-CXA25



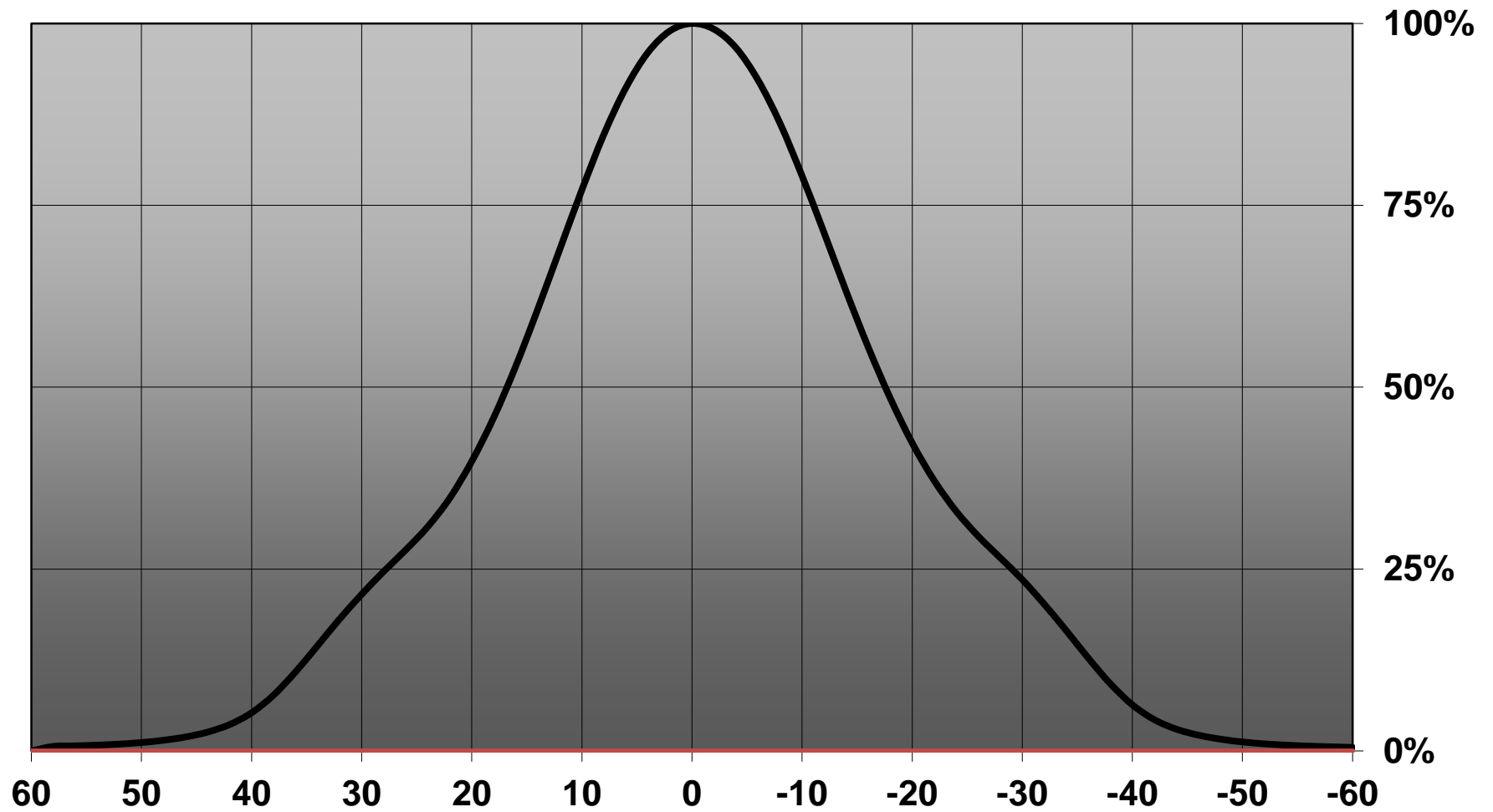
### Relative intensity of CN13347\_LENINA-S-DL-CXA25



Relative intensity of CN13345\_LENINA-M-CXA25

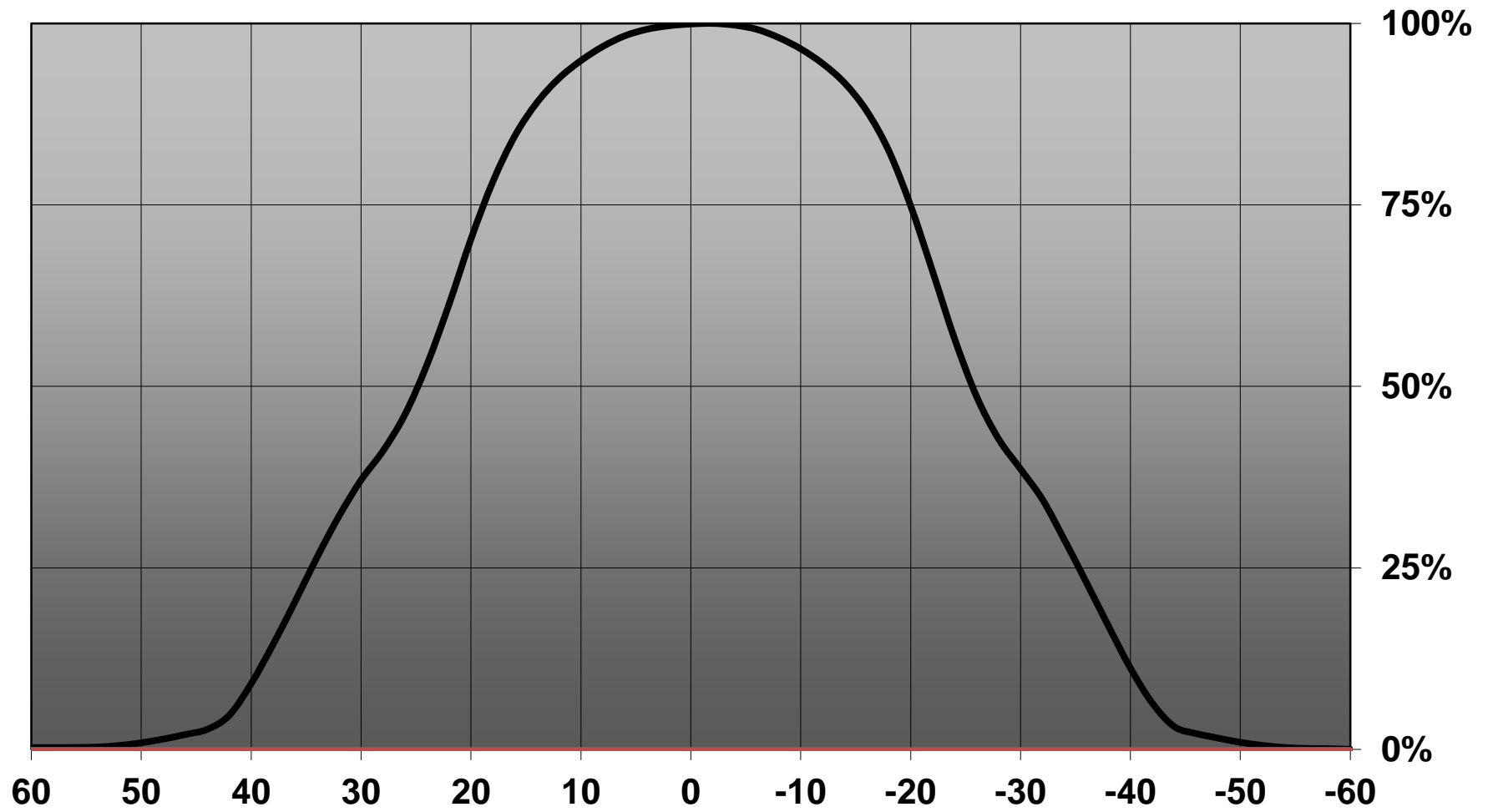


Relative intensity of CN13348\_LENINA-M-DL-CXA25

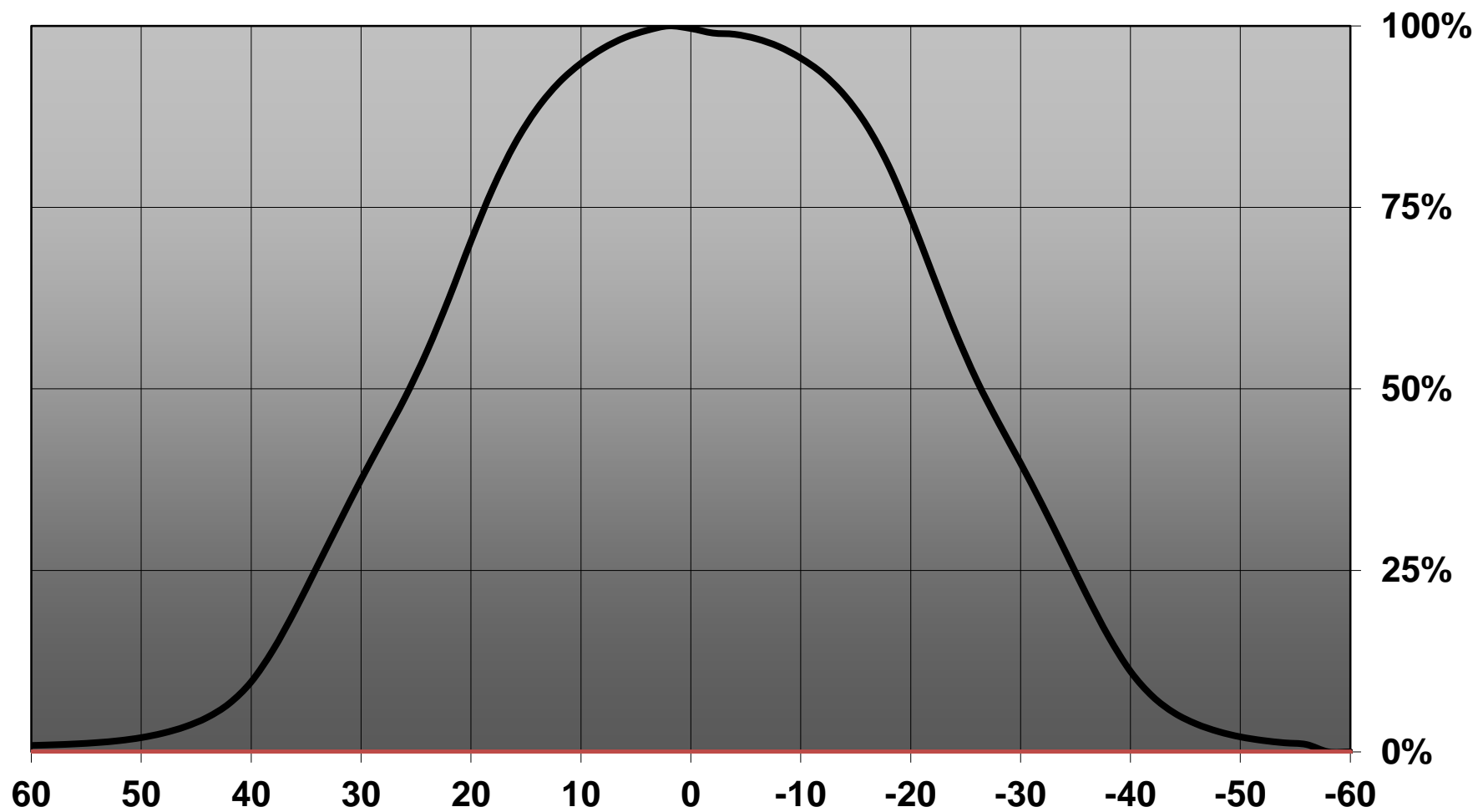




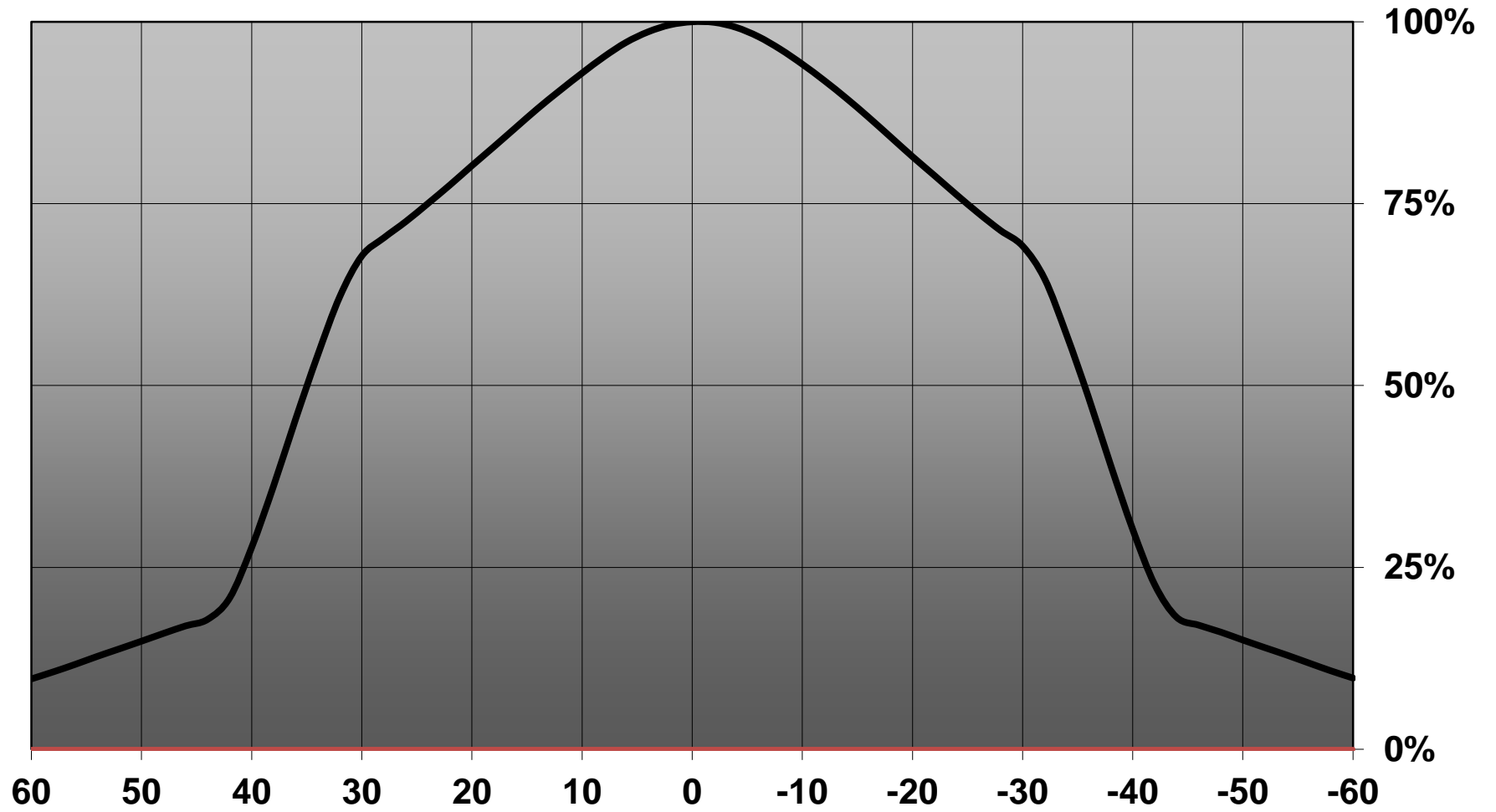
Relative intensity of CN13346\_LENINA-W-CXA25



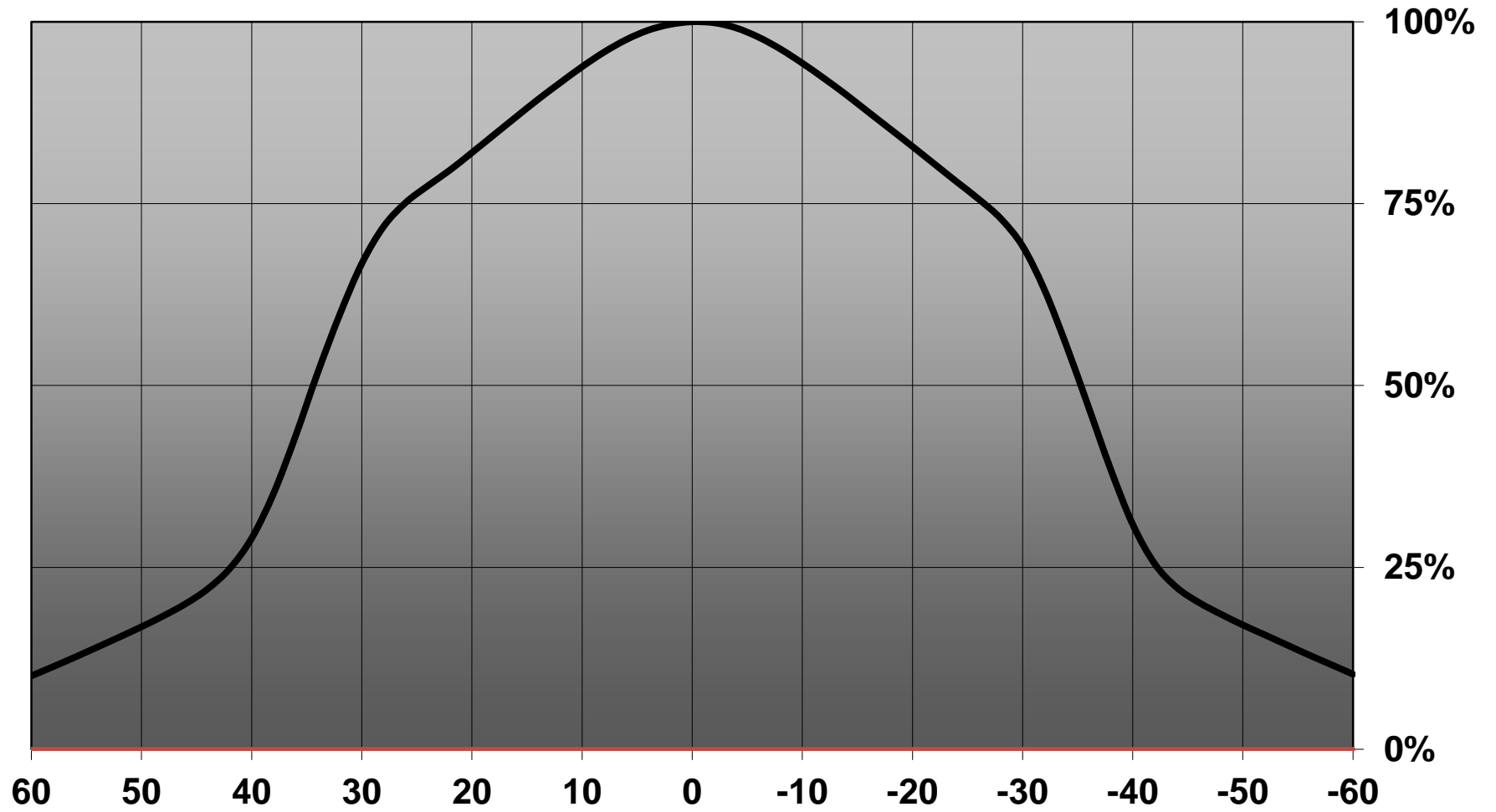
Relative intensity of CN13349\_LENINA-W-DL-CXA25



Relative intensity of CN13351\_LENINA-XW-CXA25



Relative intensity of CN13352\_LENINA-XW-DL-CXA25



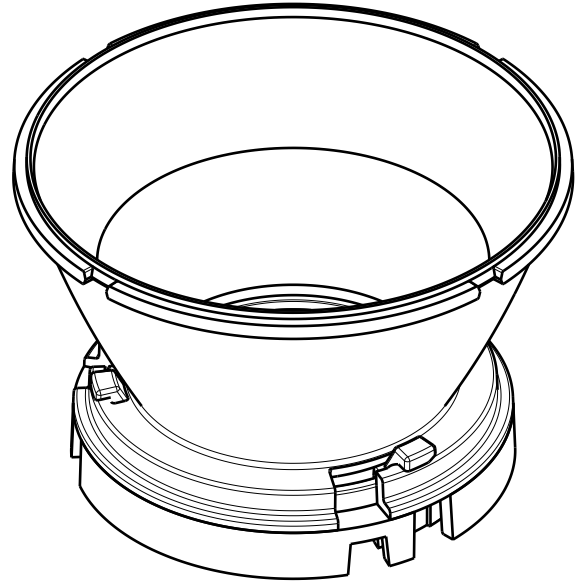
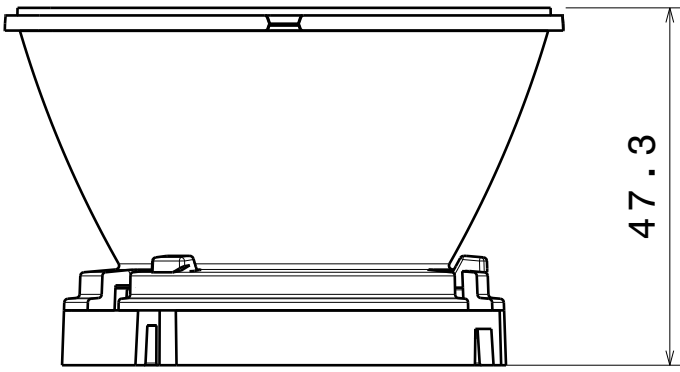
D

C

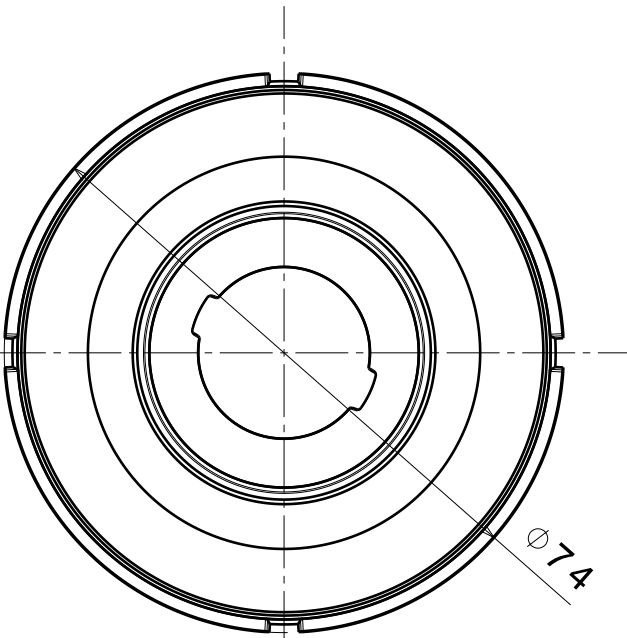
B

A

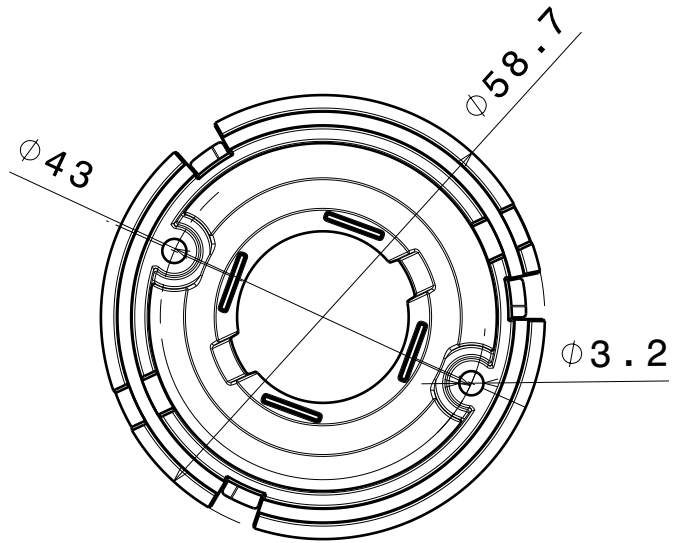
Using optional sublens  
add 2,1mm to system height.



Isometric view



Top view



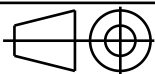
Bottom view

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class F, otherwise class M.  
According to DIN ISO 2768-2  
Form and position: class K

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

**LENINA - CXA25**

This drawing is the property  
of LEDiL Oy. It may not be  
reproduced, copied or  
communicated without a written  
agreement with LEDiL Oy."

SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT	- g
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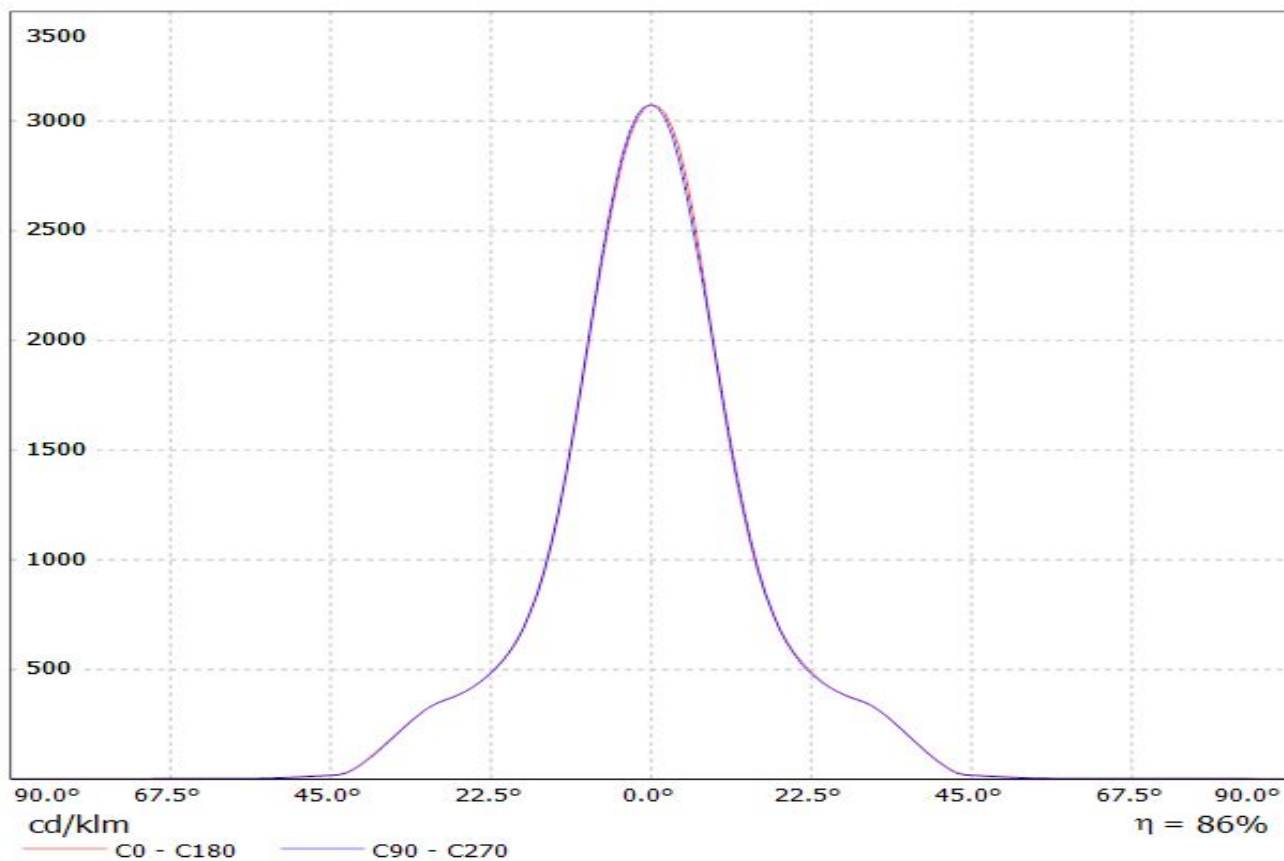
SHEET	1/1
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D

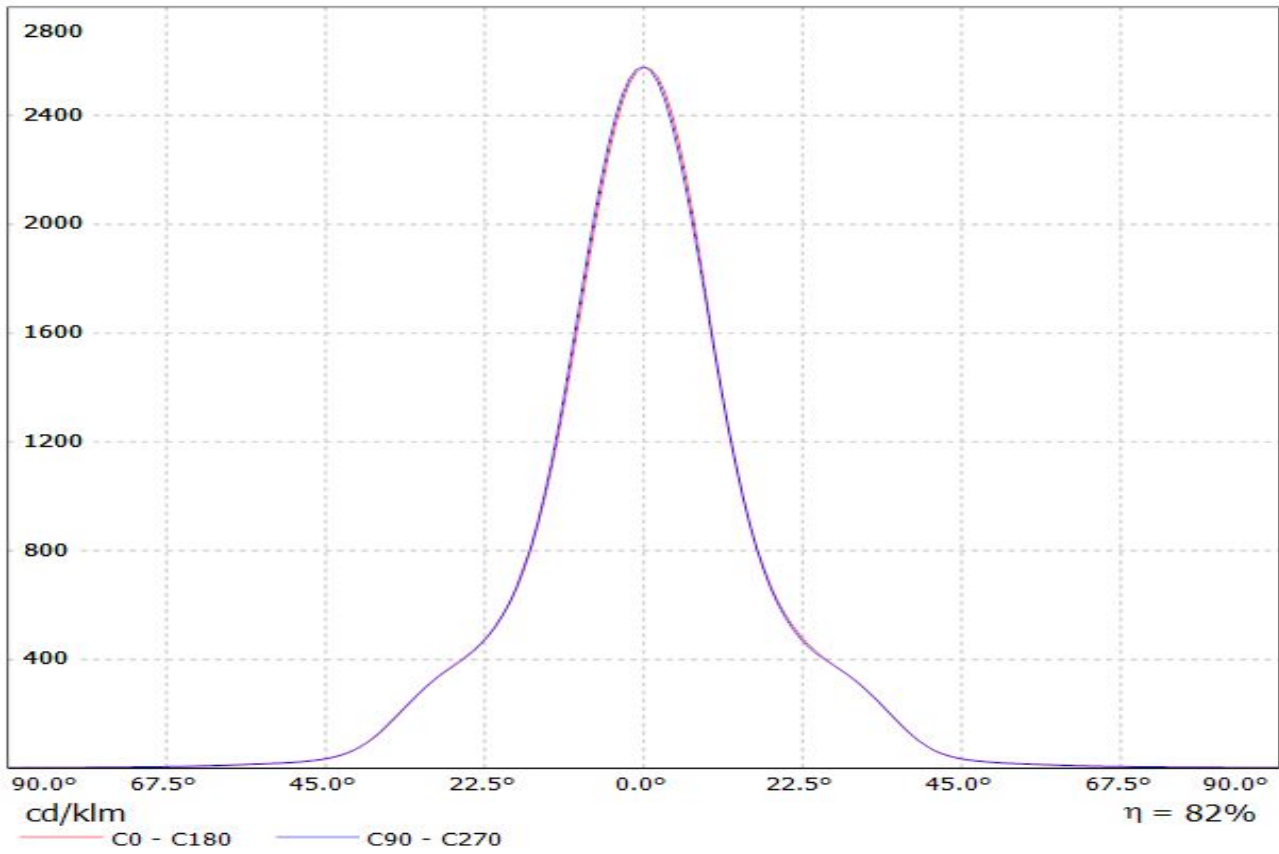
A

Luminaire: LEDiL Oy CN13344\_LENINA-S\_(CXA25) Eff.86.4%

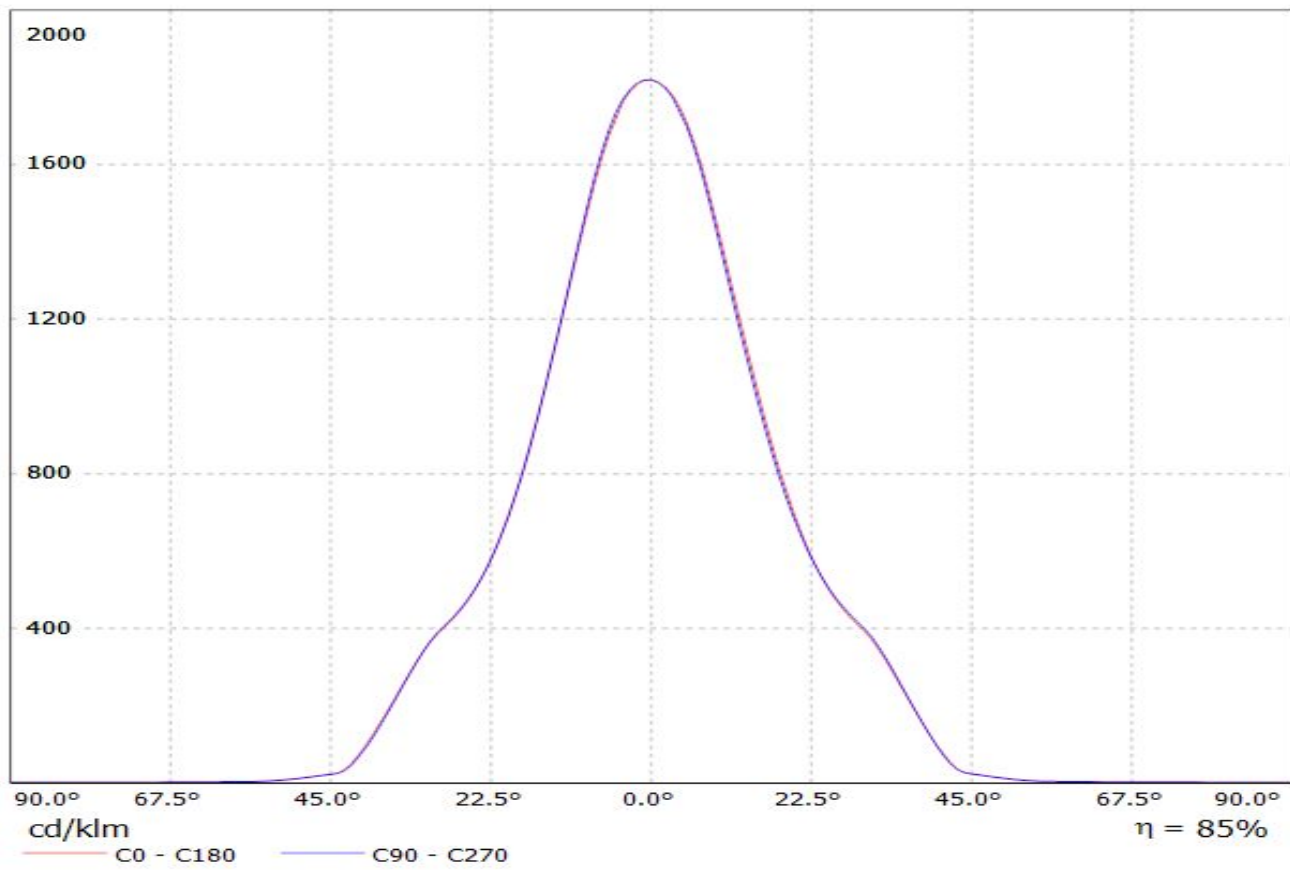
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



Luminaire: LEDiL Oy CN13347\_LENINA-S-DL\_(CXA25) Eff.81.6%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

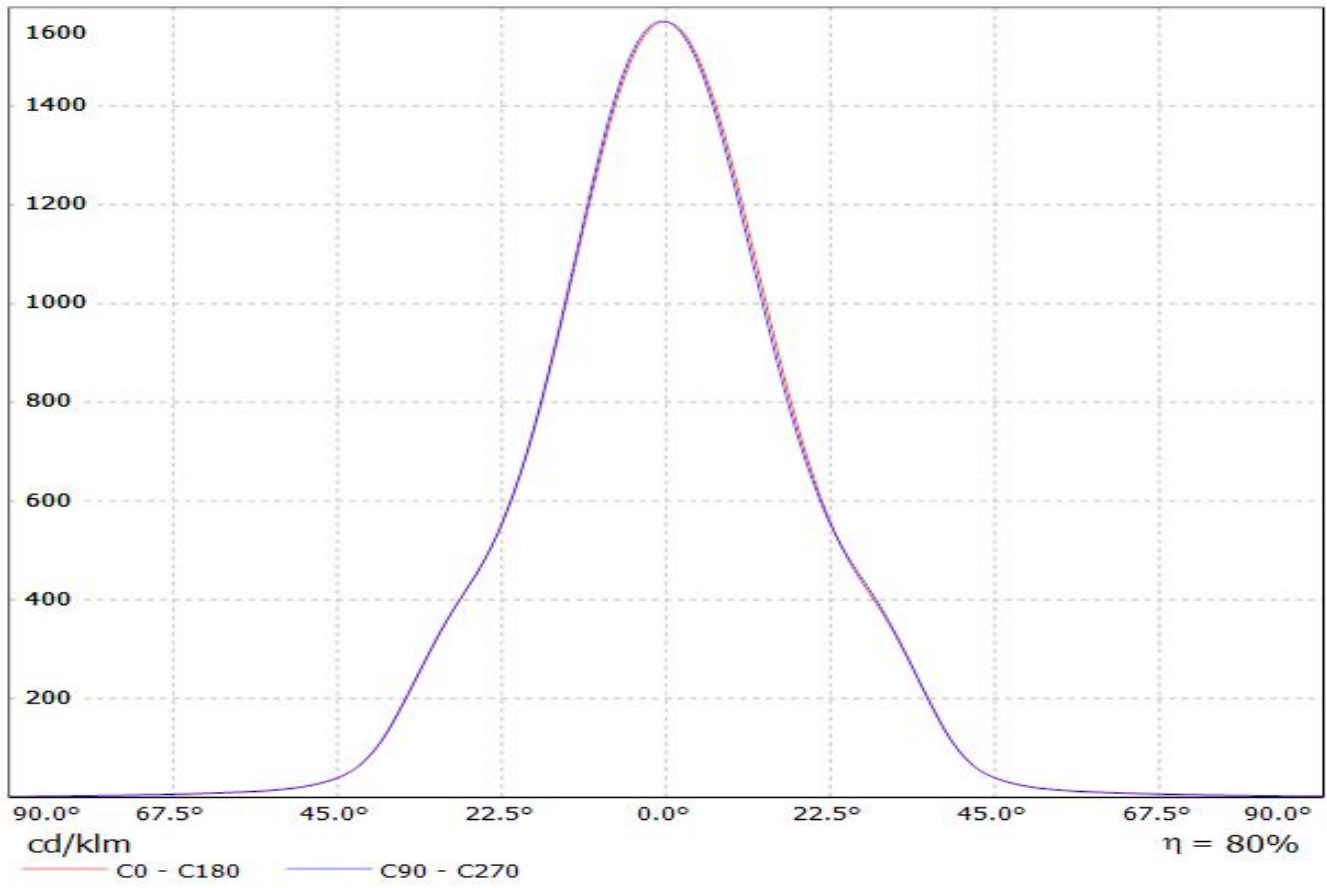


Luminaire: LEDiL Oy CN13345\_LENINA-M\_(CXA25) Eff.85.4%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

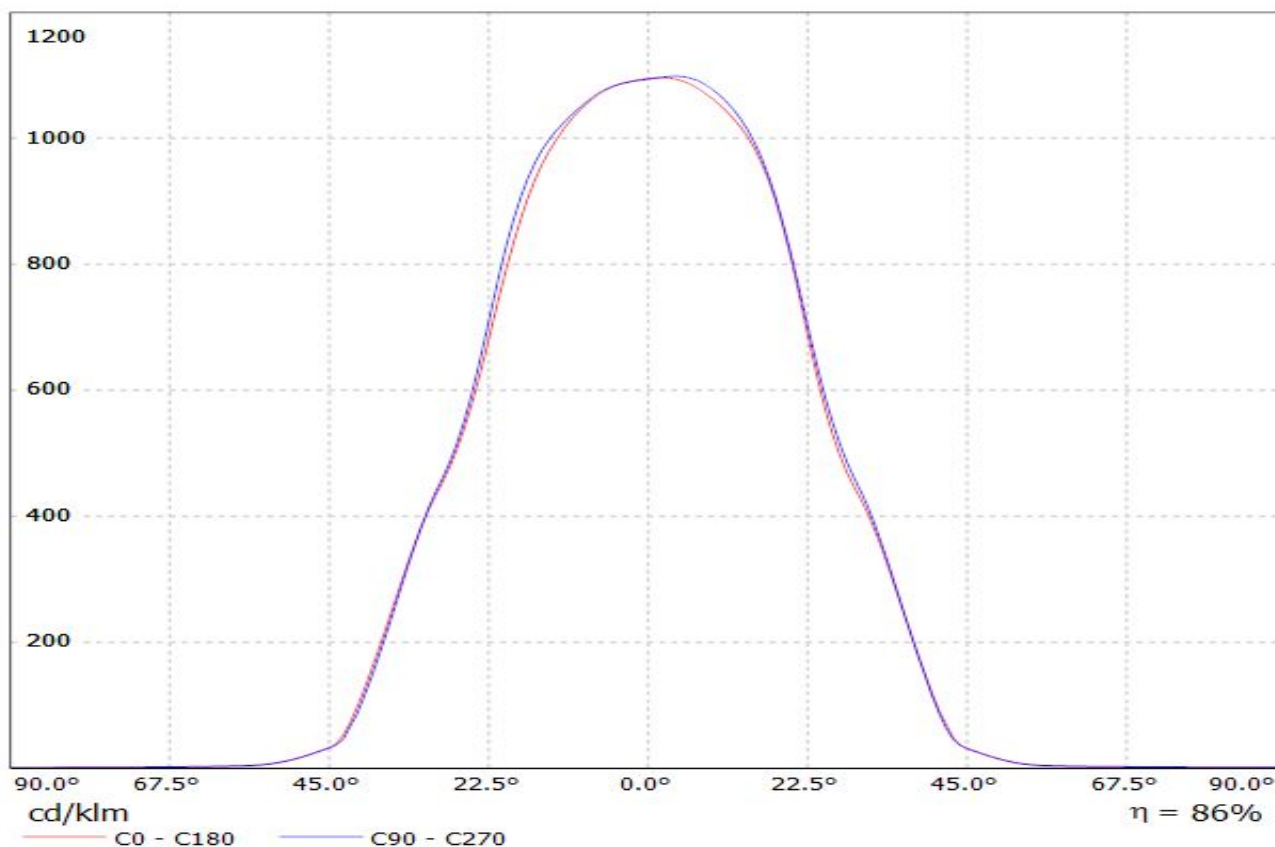




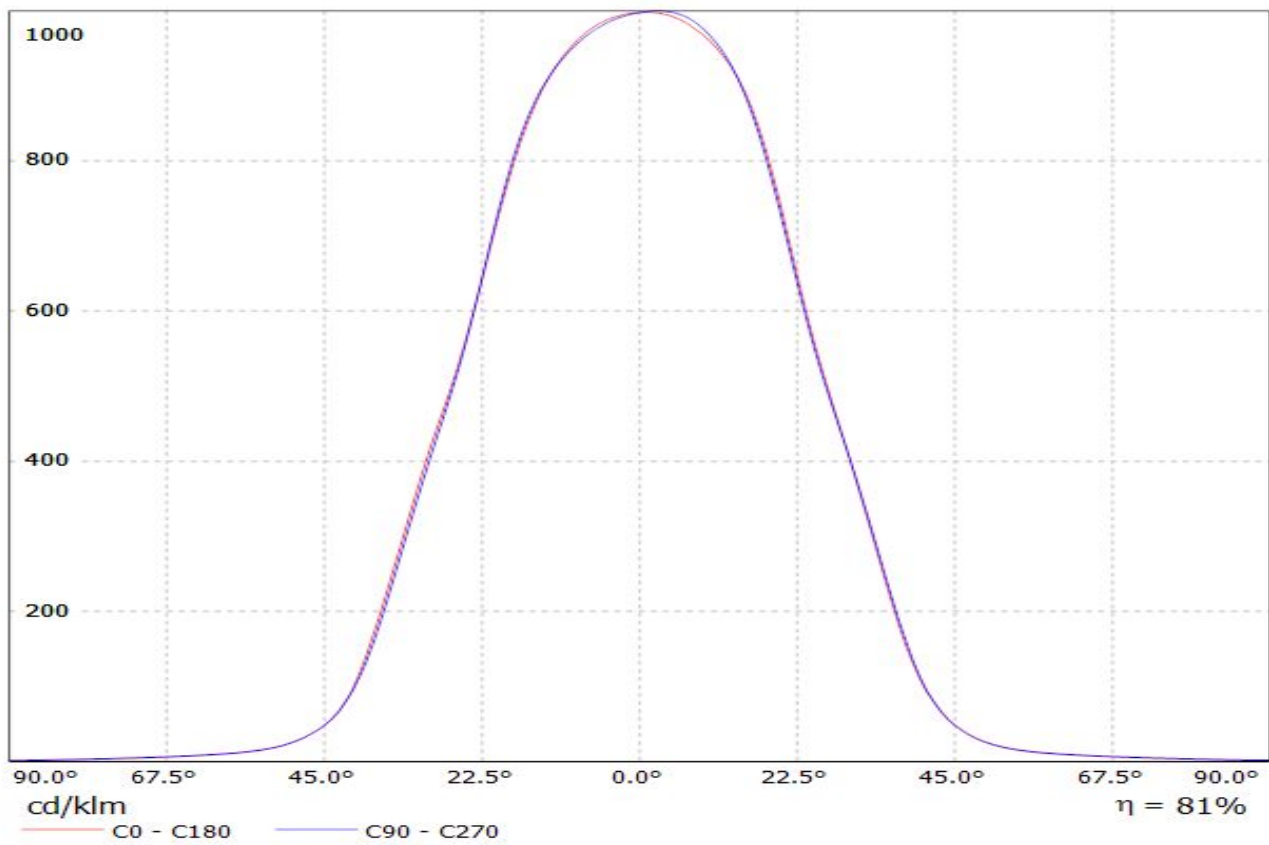
Luminaire: LEDiL Oy CN13348\_LENINA-M-DL\_(CXA25) Eff.80.3%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



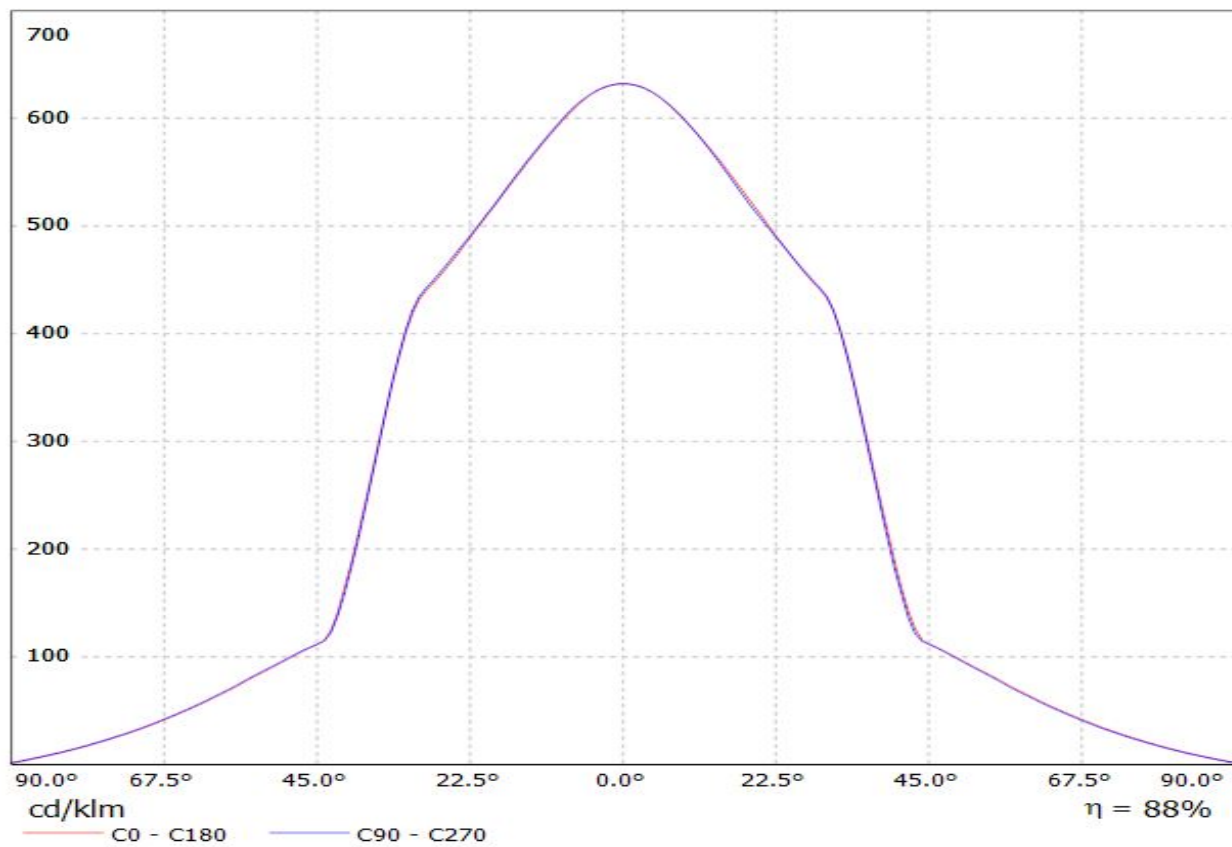
Luminaire: LEDiL Oy CN13346\_LENINA-W\_(CXA25) Eff.86.0%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



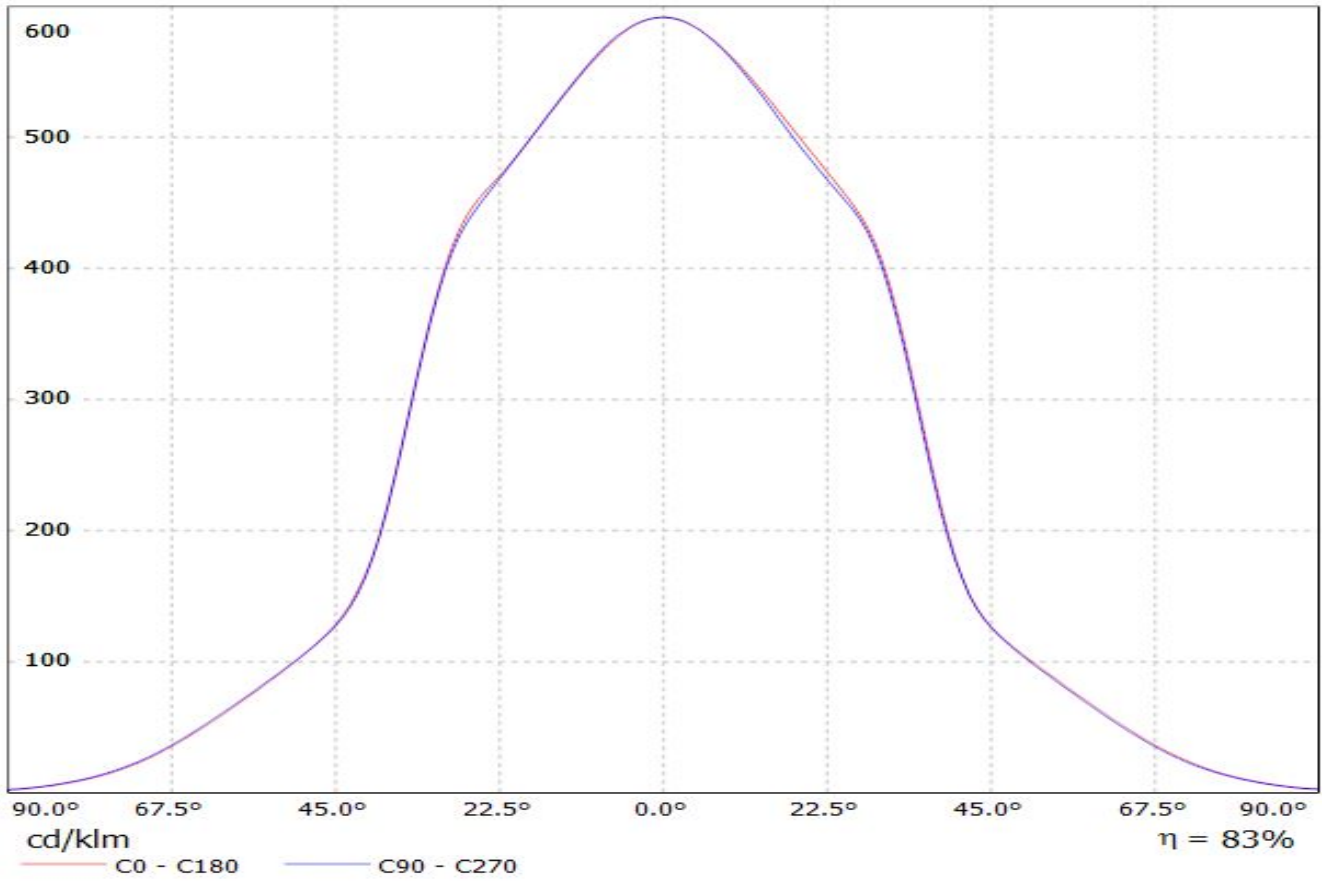
Luminaire: LEDiL Oy CN13349\_LENINA-W-DL\_(CXA25) Eff 81.4%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



Luminaire: LEDiL Oy CN13351\_LENINA-XW\_(CXA25) Eff.87.5%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

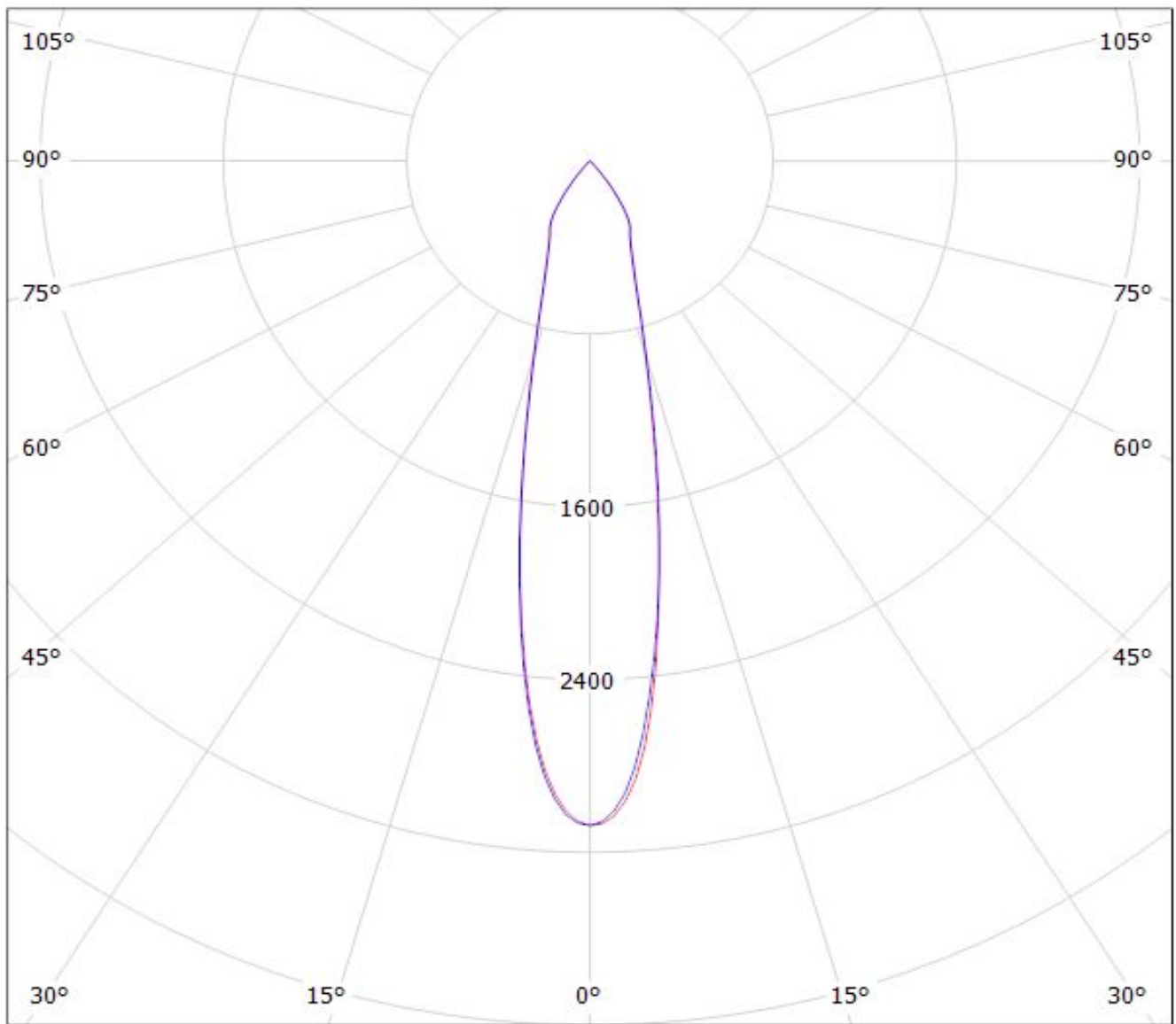


Luminaire: LEDiL Oy CN13352\_LENINA-XW-DL\_(CXA25) Eff.84%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



Luminaire: LEDiL Oy CN13344\_LENINA-S\_(CXA25) Eff.86.4%

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



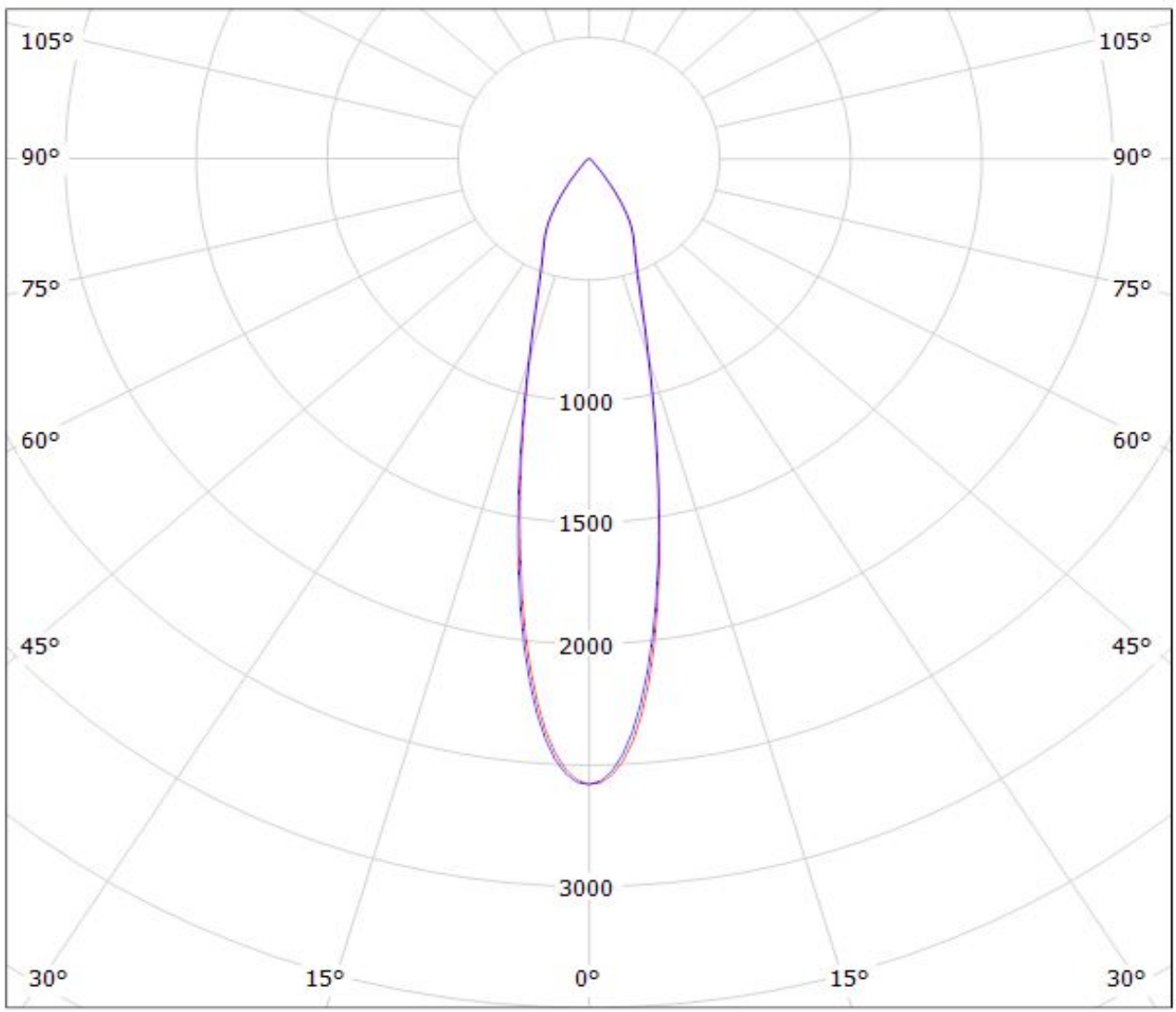
cd/klm

$\eta = 86\%$

— C0 - C180

— C90 - C270

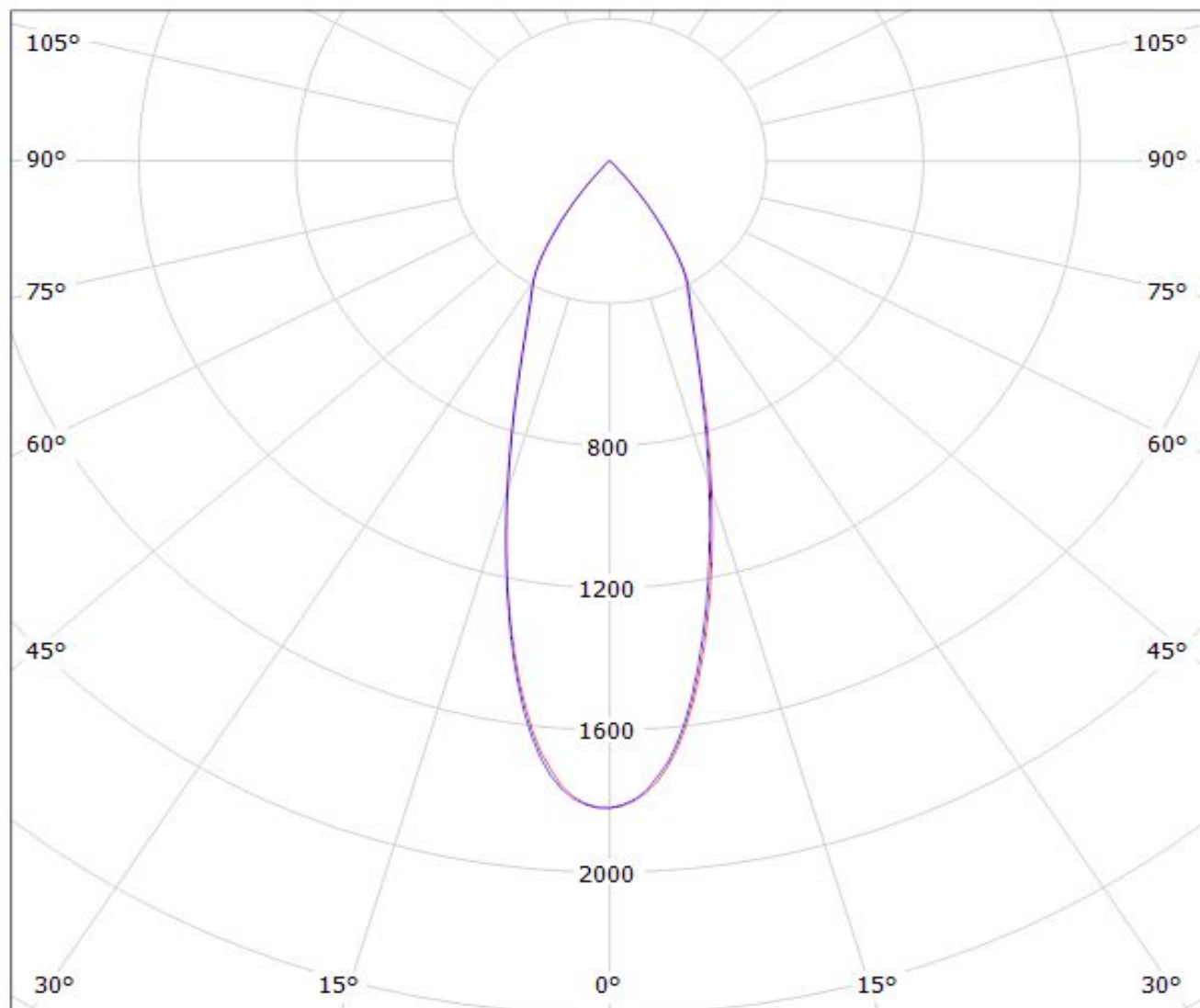
Luminaire: LEDiL Oy CN13347\_LENINA-S-DL\_(CXA25) Eff.81.6%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



cd/klm η = 82%  
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN13345\_LENINA-M\_(CXA25) Eff.85.4%

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



cd/klm

$\eta = 85\%$

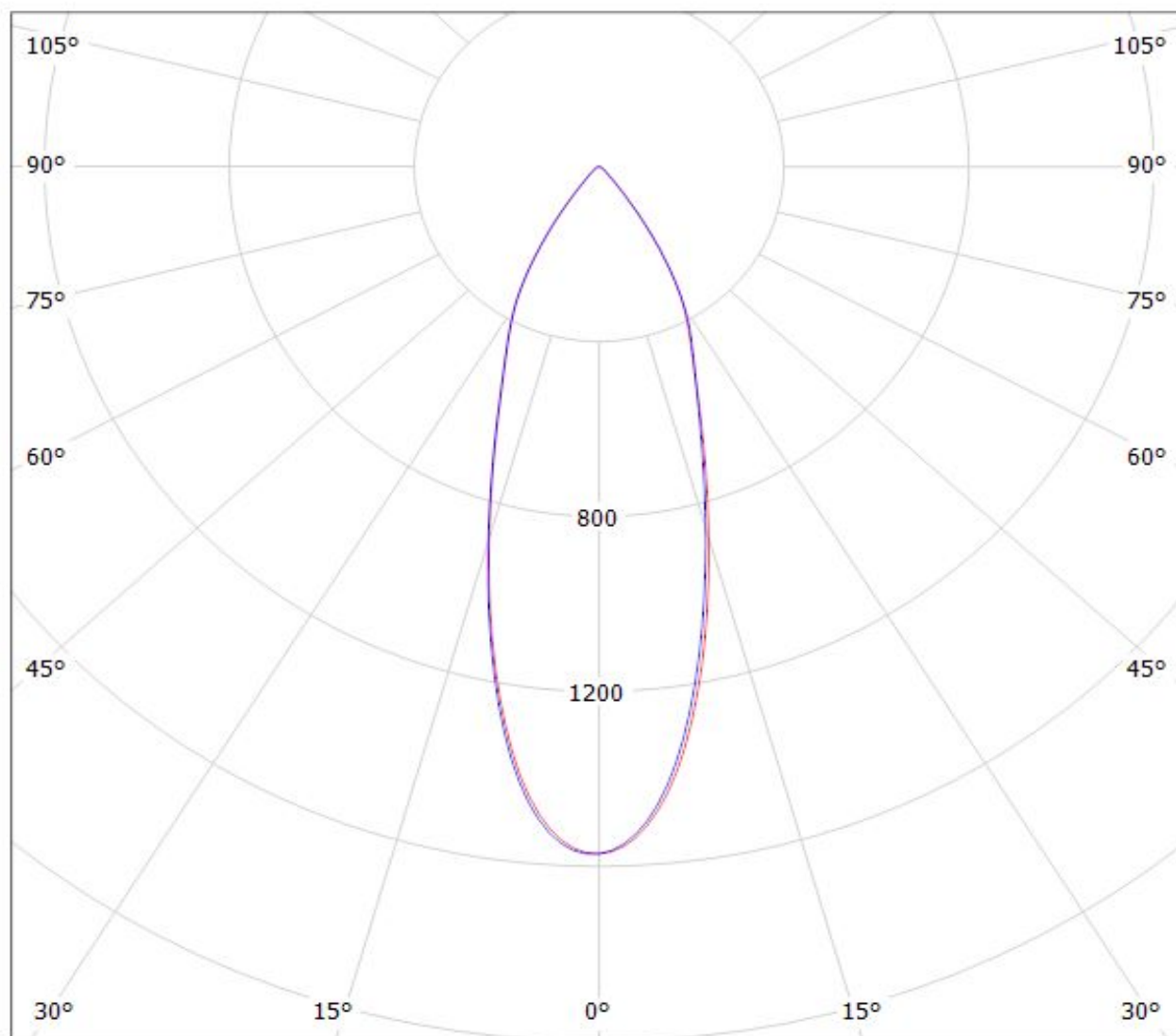
— C0 - C180

— C90 - C270



Luminaire: LEDiL Oy CN13348\_LENINA-M-DL\_(CXA25) Eff.80.3%

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



cd/klm

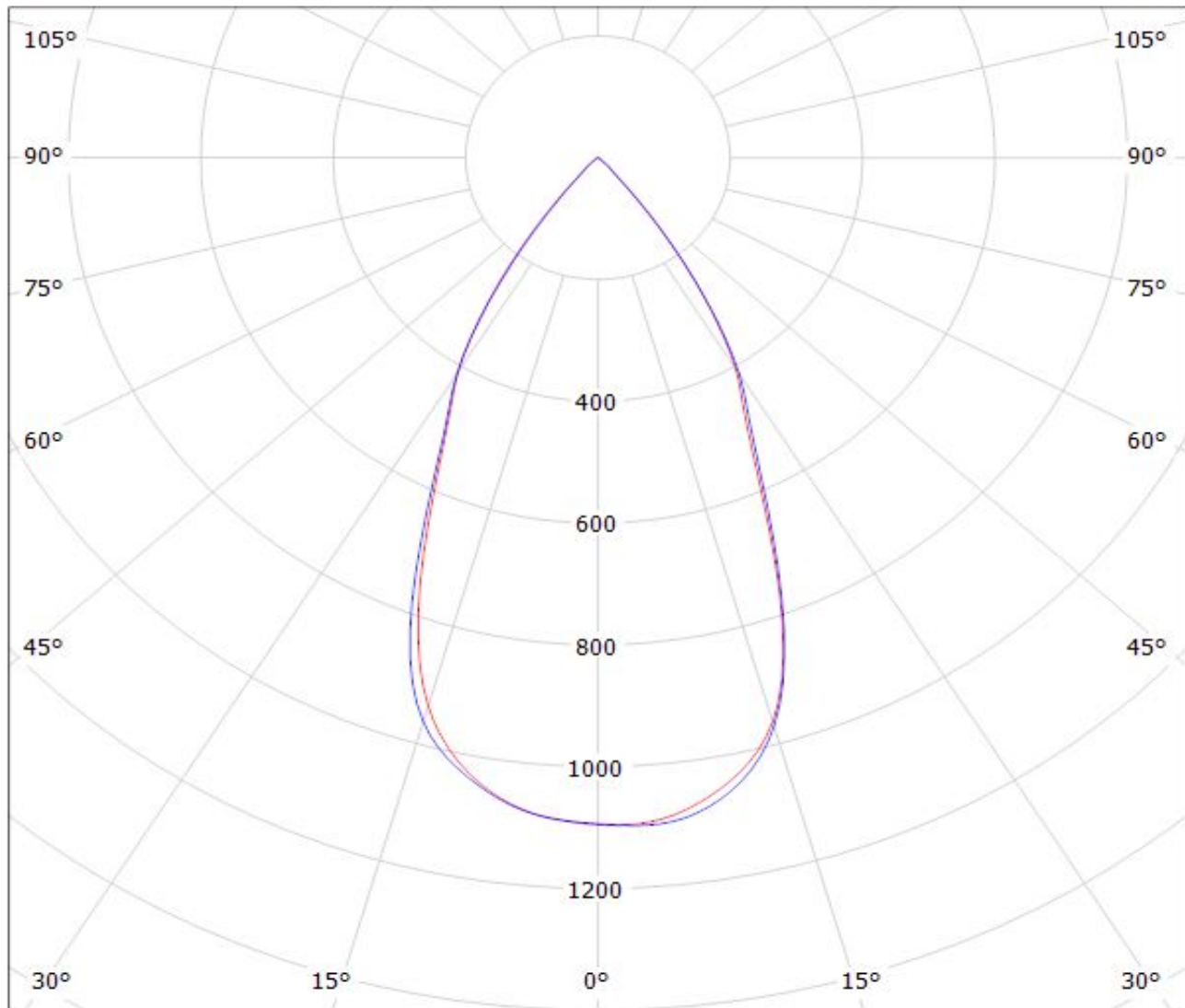
$\eta = 80\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN13346\_LENINA-W\_(CXA25) Eff.86.0%

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



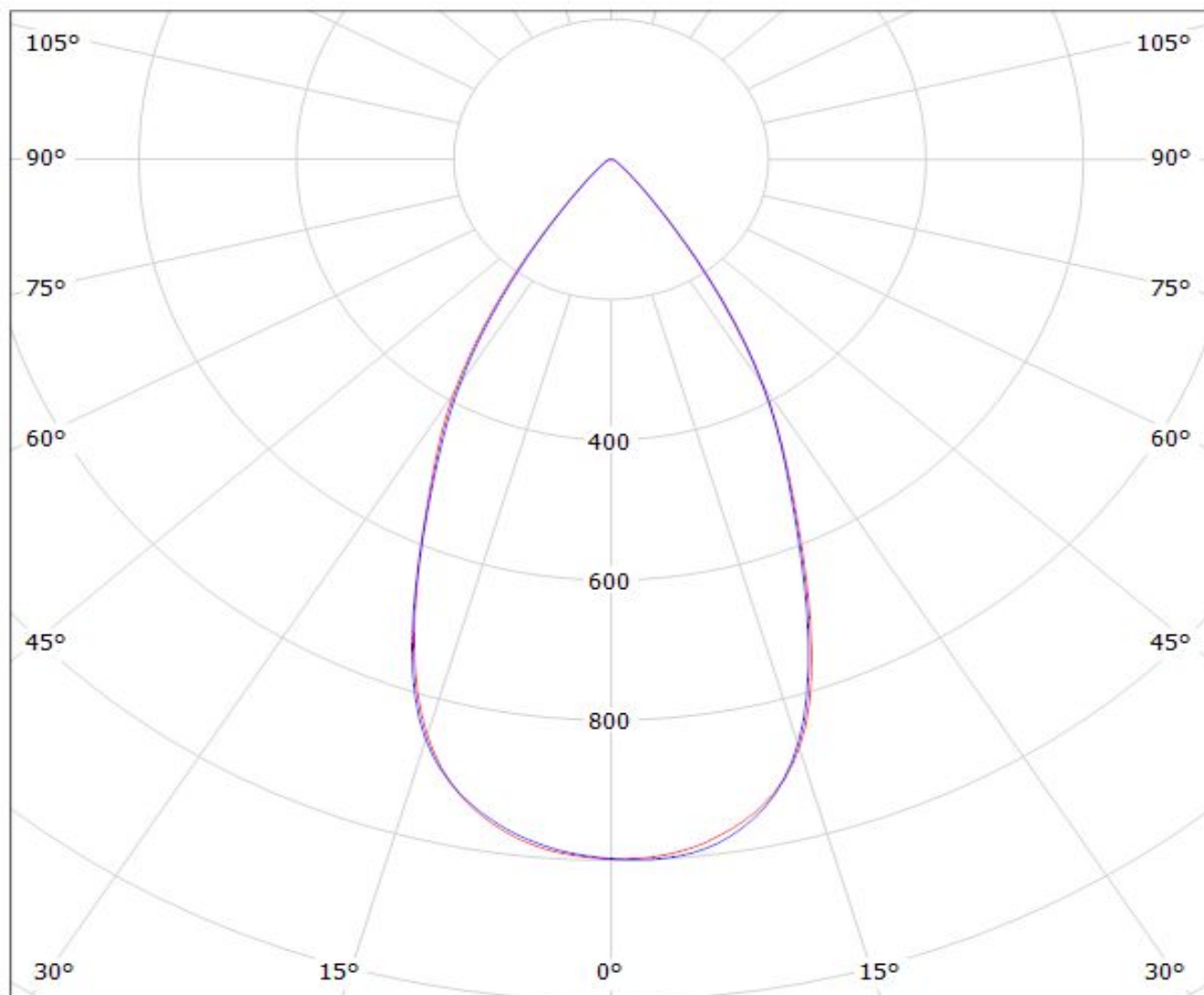
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy CN13349\_LENINA-W-DL\_(CXA25) Eff.81.4%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



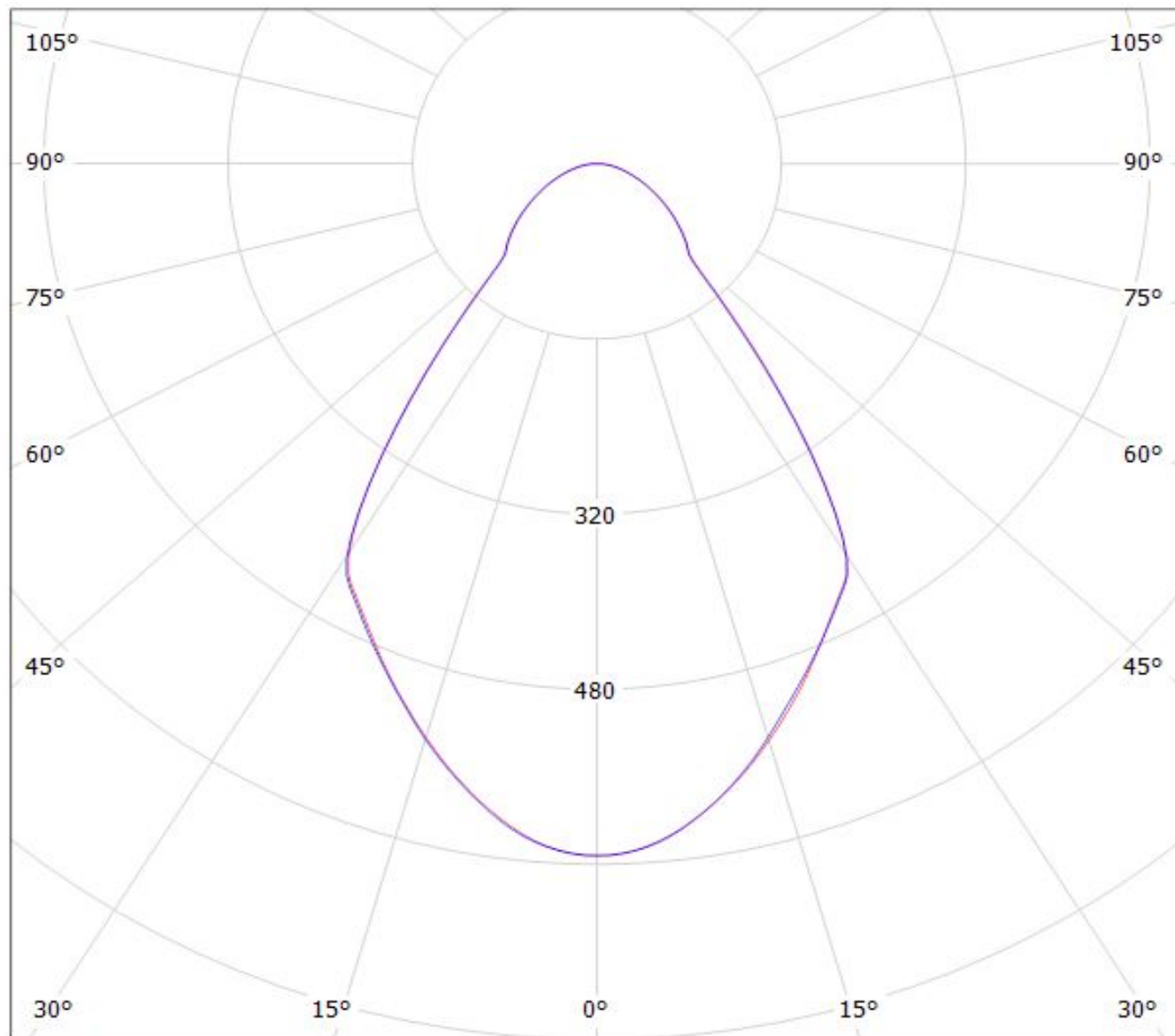
cd/klm

$\eta = 81\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CN13351\_LENINA-XW\_(CXA25) Eff.87.5%

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



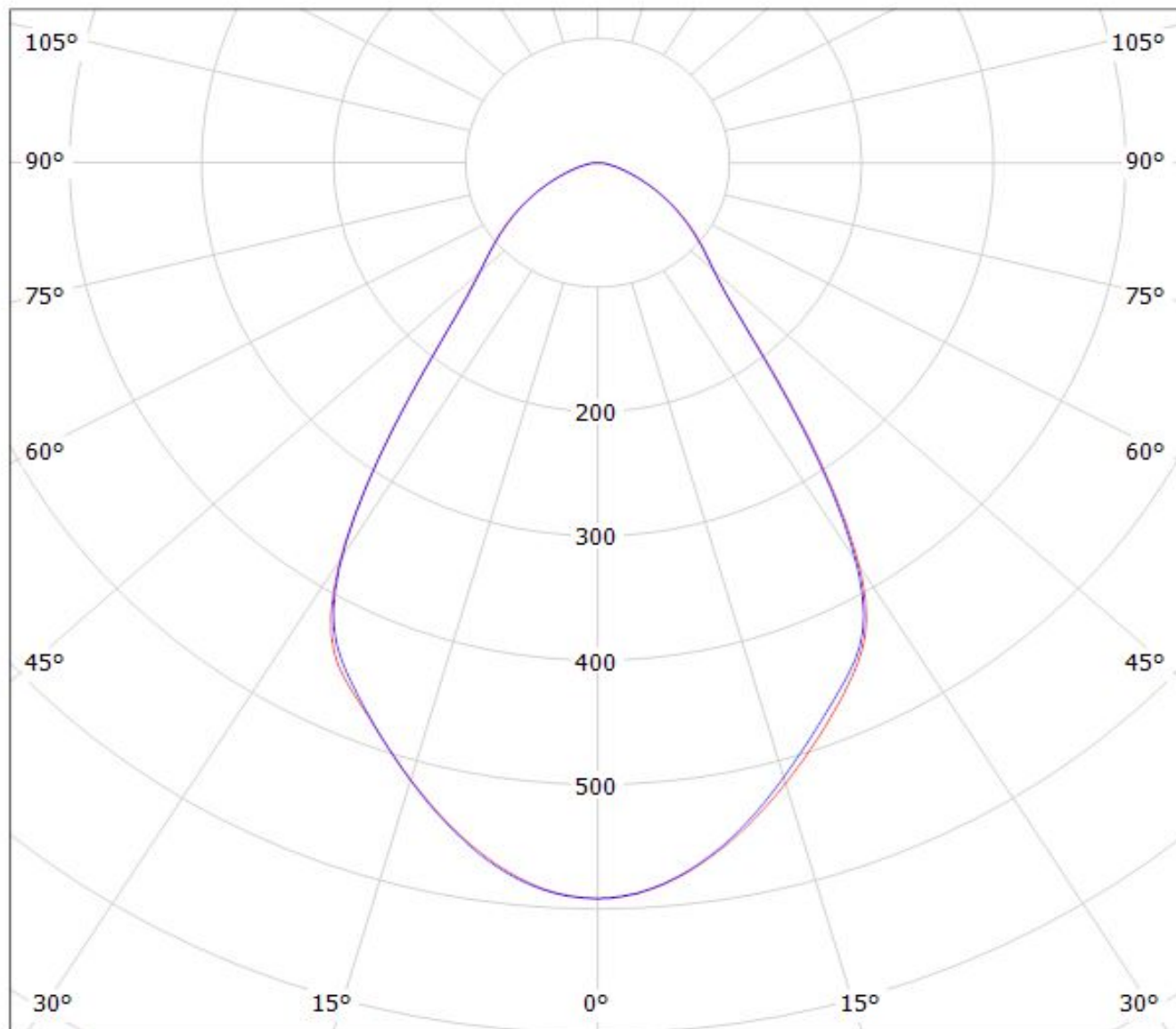
cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN13352\_LENINA-XW-DL\_(CXA25) Eff.84%  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



cd/klm

$\eta = 83\%$

— C0 - C180 — C90 - C270