

**Product number** CN13344_LENINA-S

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 47.3 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 22 degrees
Efficiency 86 %
cd/Im 3.200
Gerber File Available

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

**Product number** CN13347_LENINA-S-DL

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 49.4 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 23 degrees
Efficiency 78 %
cd/Im 2.700
Gerber File Available

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

**Product number** CN13345_LENINA-M

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 47.3 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 33 degrees
Efficiency 86 %
cd/Im 1.900
Gerber File Available

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

**Product number** CN13348_LENINA-M-DL

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 49.4 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 35 degrees
Efficiency 78 %
cd/Im 1.600
Gerber File Available

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

**Product number** CN13346_LENINA-W

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 47.3 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 51 degrees
Efficiency 84 %
cd/lm 1.200
Gerber File Available

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

**Product number** CN13349_LENINA-W-DL

Family Lenina
Type RefPack
LED CXA25xx
Color Metal
Diameter 74 mm
Height 49.4 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 52 degrees
Efficiency 76 %
cd/lm 1.100
Gerber File Available

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

**Product number** CN13351_LENINA-XW

Family Lenina
Type RefPack
LED CXA25xx
Color White
Diameter 74 mm
Height 47.3 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket, screw
Status On production

FWHM 70 degrees
Efficiency 89 %
cd/lm 0.700
Gerber File Available

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

**Product number** CN13352_LENINA-XW-DL

Family Lenina
Type RefPack
LED CXA25xx
Color White
Diameter 74 mm
Height 47.3 mm
Style Round
Optic Material PC
Holder Material PC
Fastening Socket
Status On production

FWHM 70 degrees
Efficiency 84 %
cd/lm 0.600
Gerber File Available

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 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

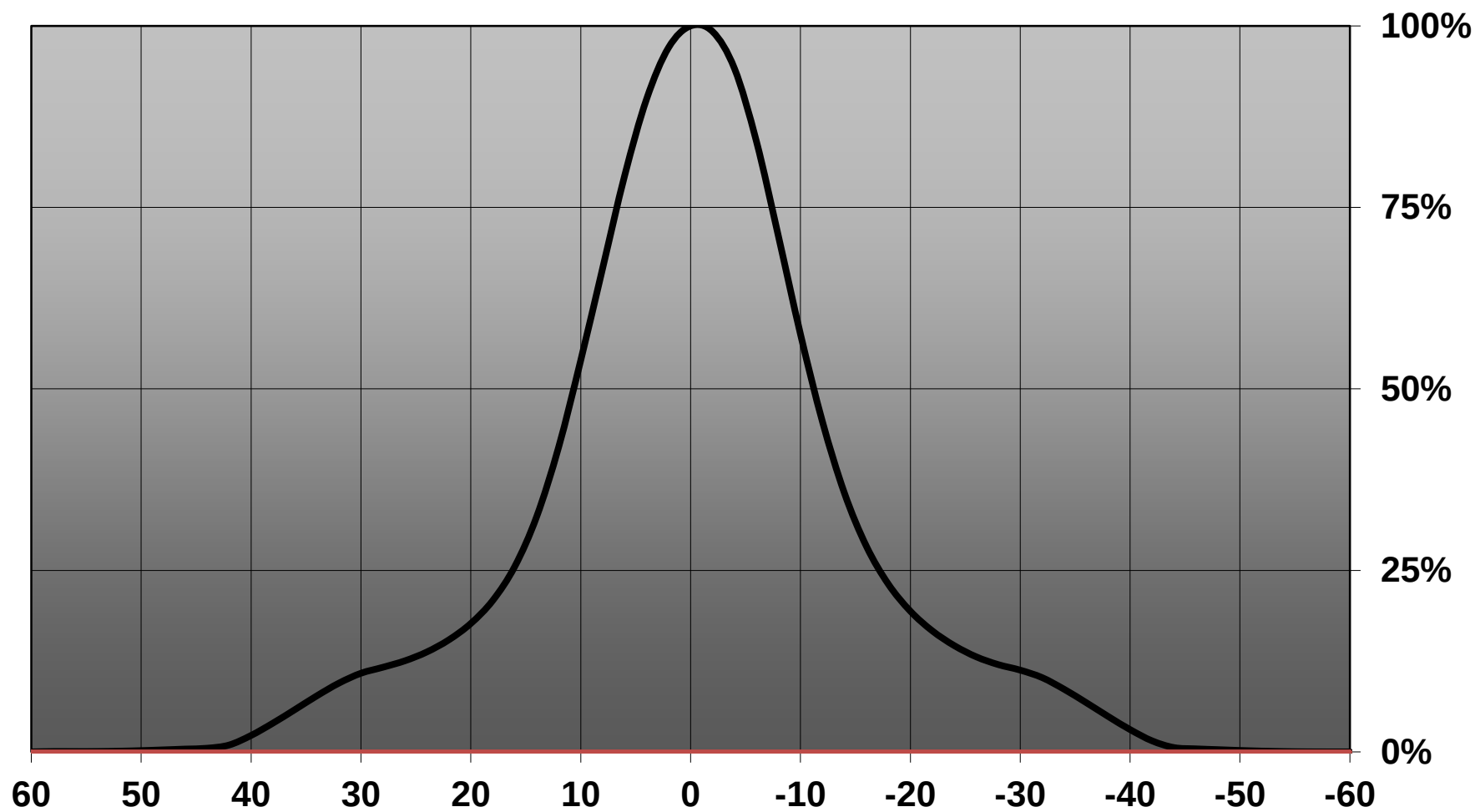
- Product series especially designed & optimized for CXA25xx series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

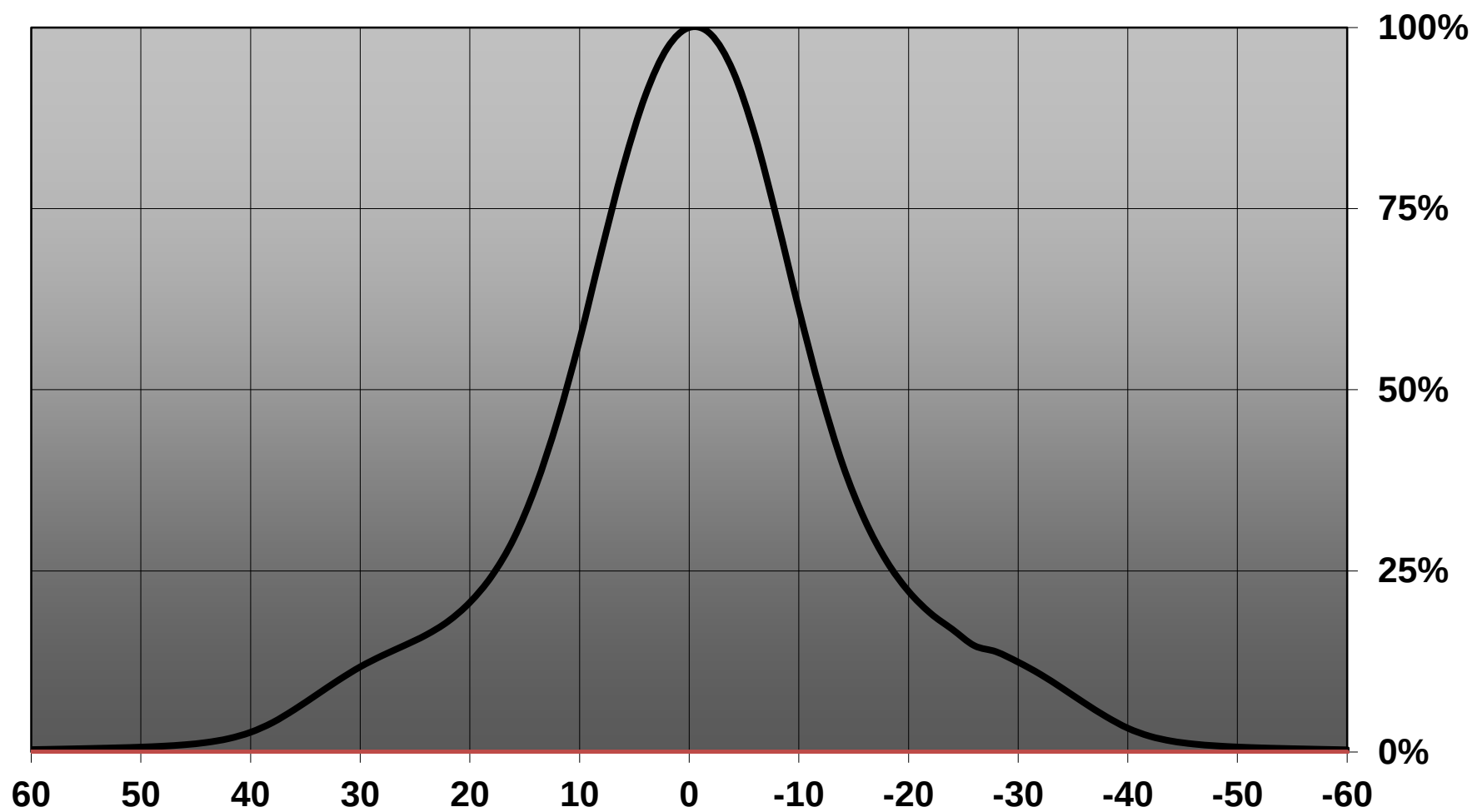
http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- 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).

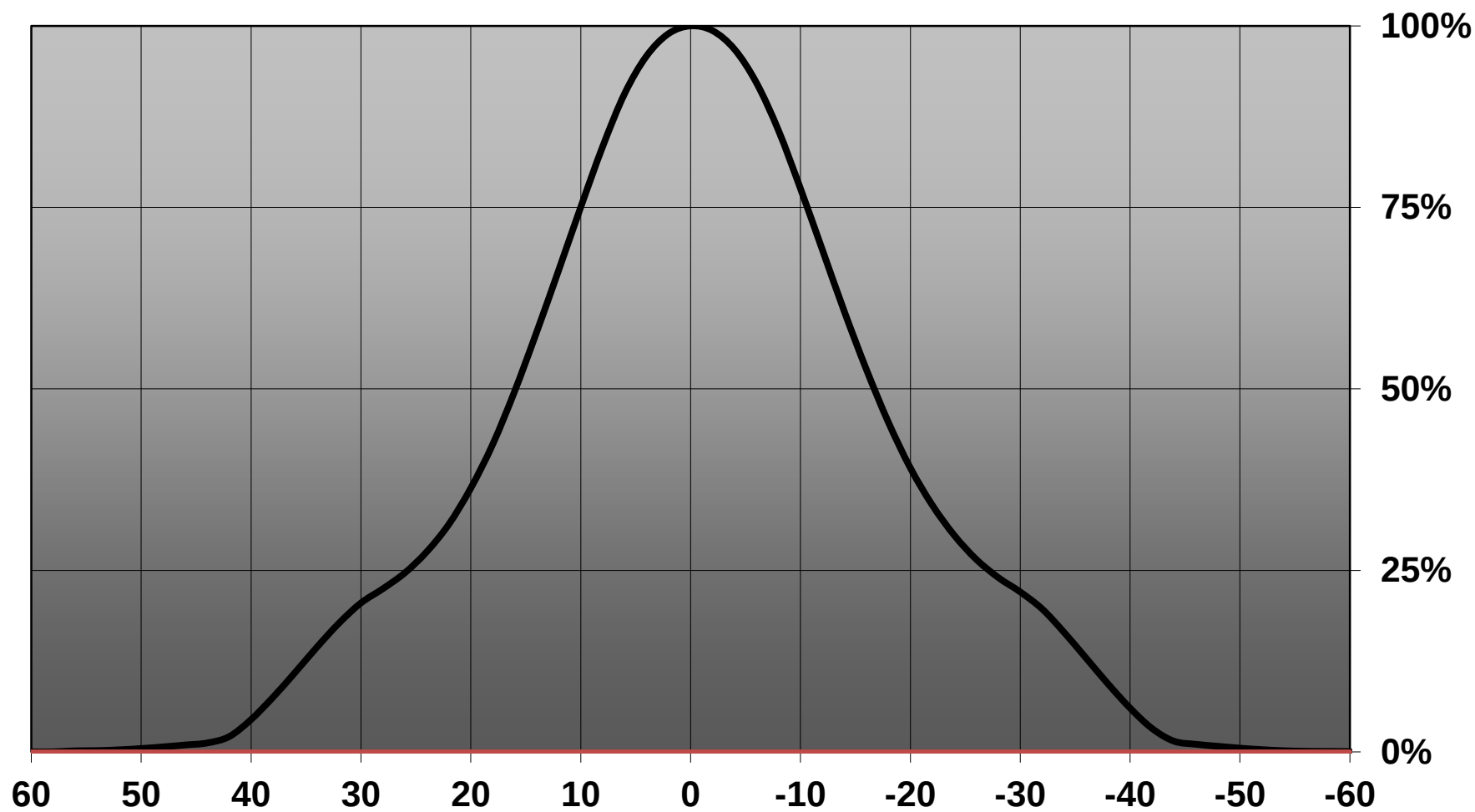
Relative intensity of CN13344_LENINA-S-CXA25



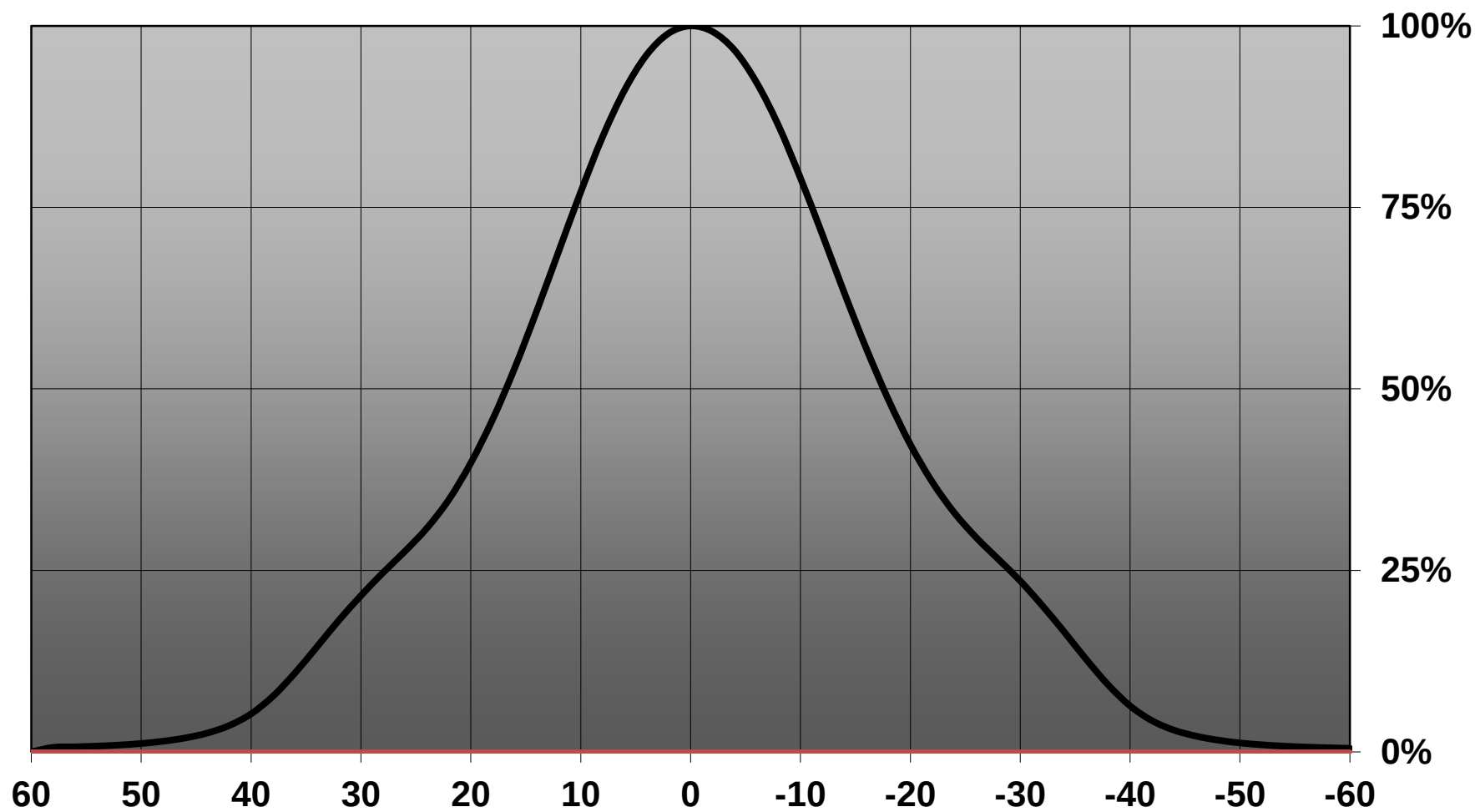
Relative intensity of CN13347_LENINA-S-DL-CXA25



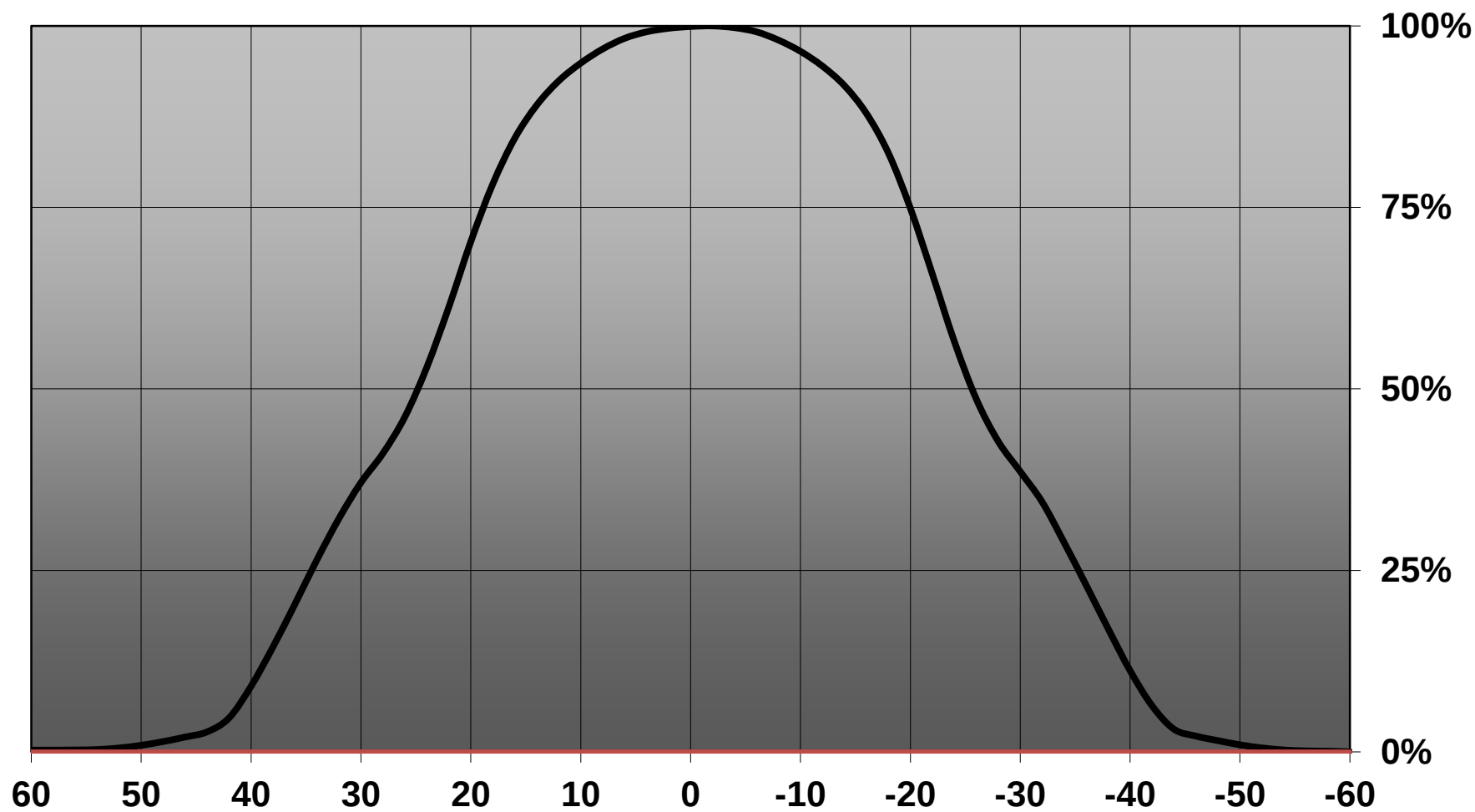
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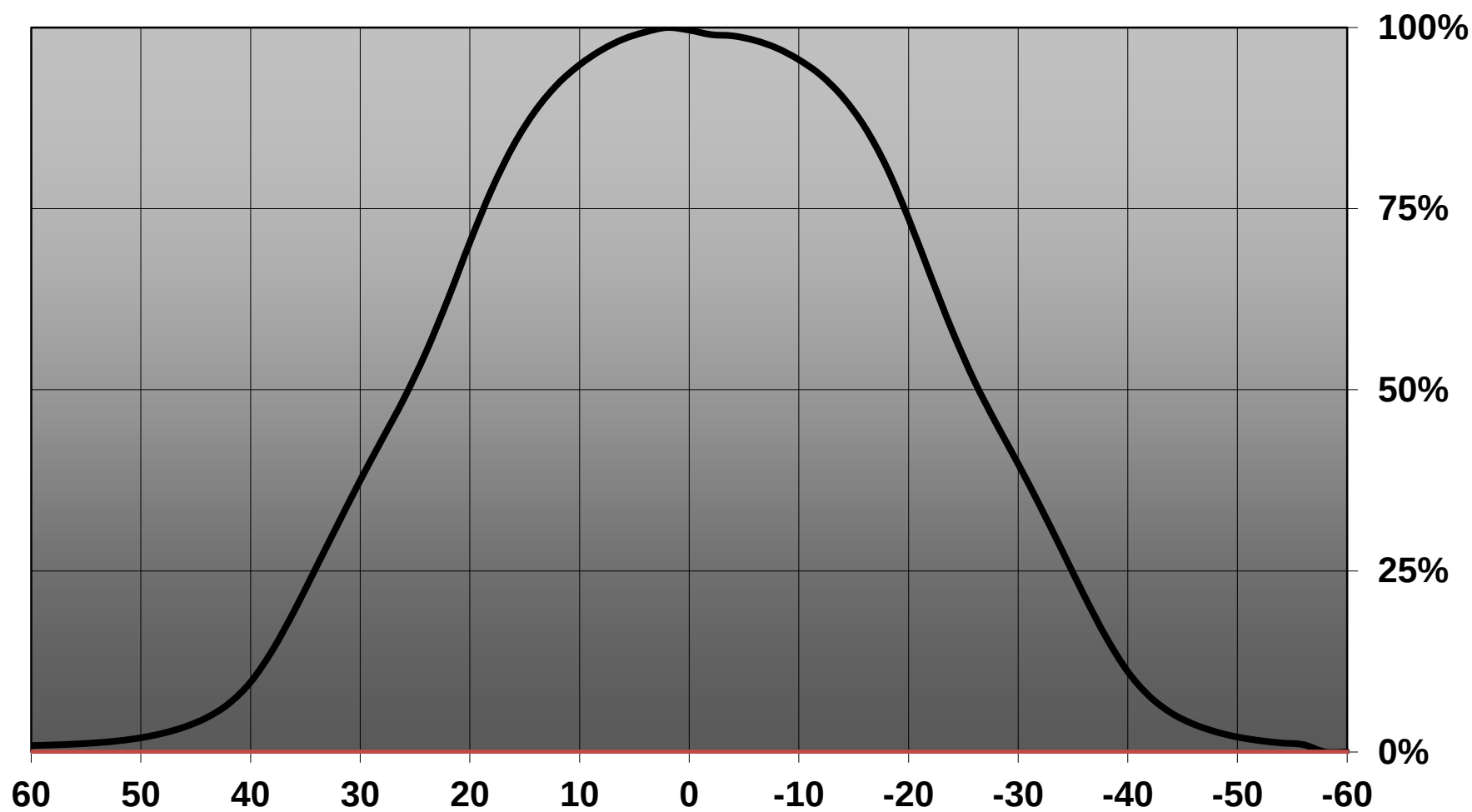
Relative intensity of CN13348_LENINA-M-DL-CXA25



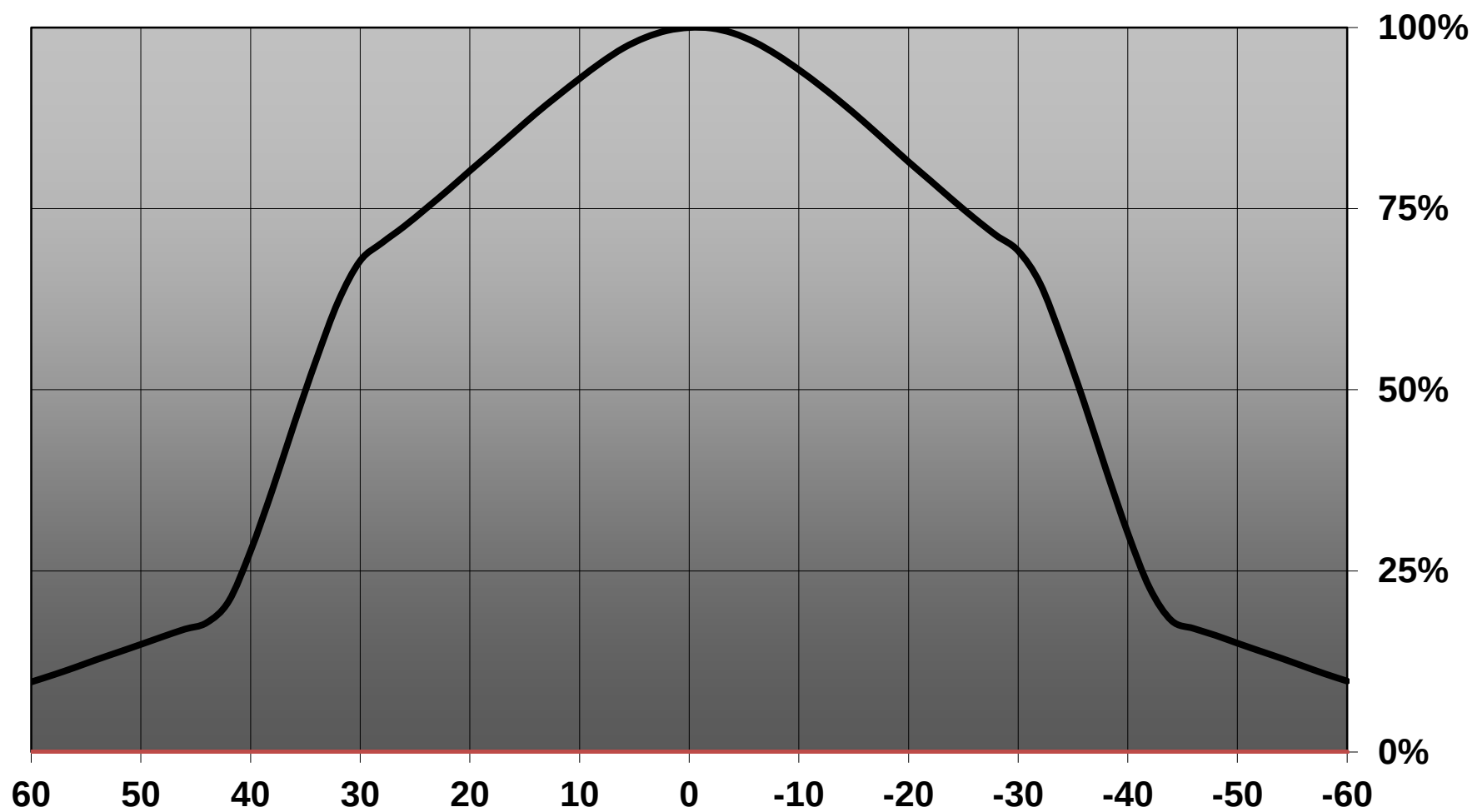
Relative intensity of CN13346_LENINA-W-CXA25



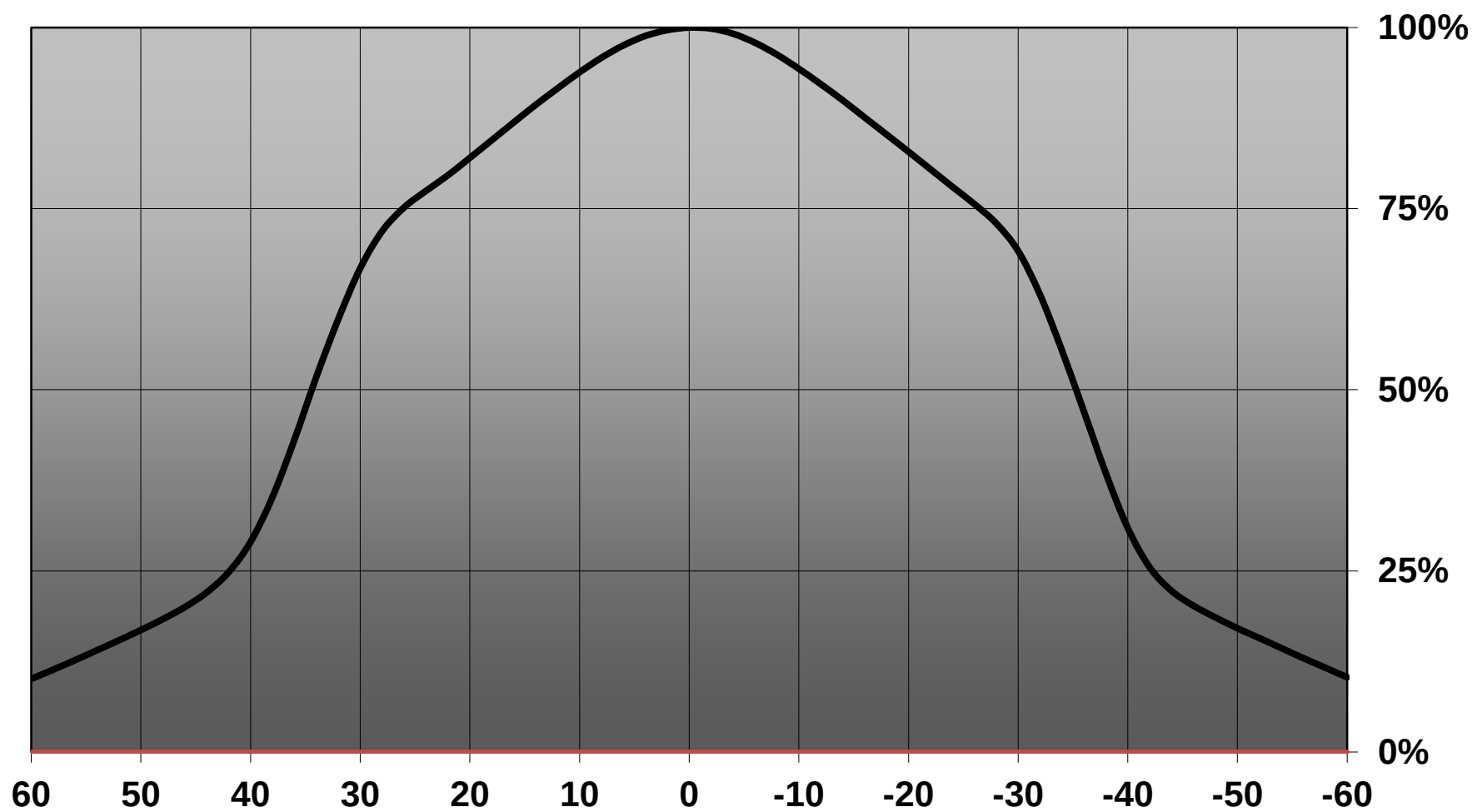
Relative intensity of CN13349_LENINA-W-DL-CXA25



Relative intensity of CN13351_LENINA-XW-CXA25



Relative intensity of CN13352_LENINA-XW-DL-CXA25



D C B A

4

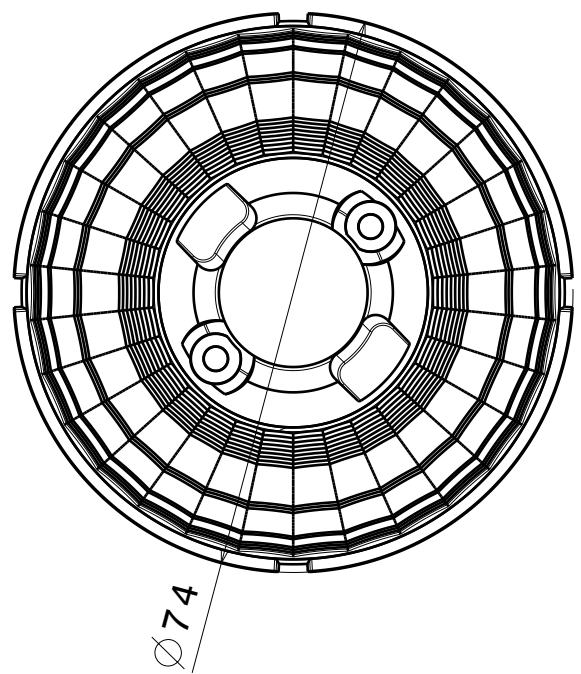
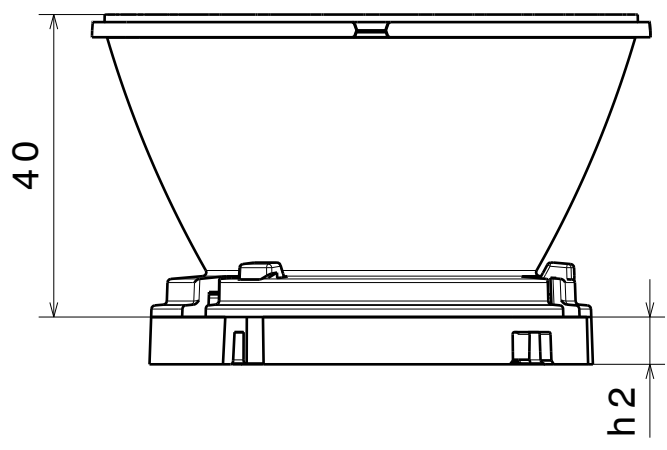
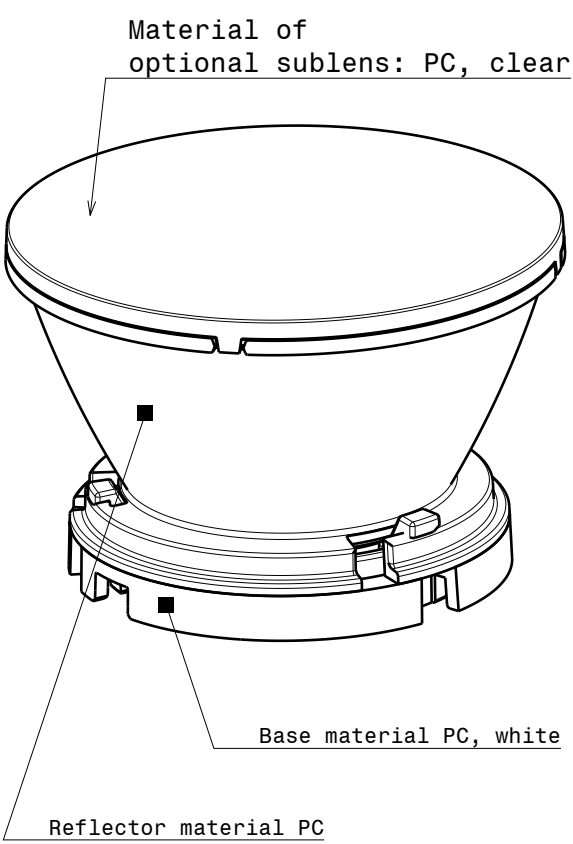
4

3

3

2

2



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		DATE		Datasheet Lenina series	
ks		23.04.2014			
CHECKED BY		DATE		SIZE	
				DRAWING NUMBER	
				REV	
		A4		1	
DESIGNED BY		DATE		SCALE	
p1		08.03.2012		1 : 1	
				WEIGHT (g)	
				SHEET	
				1 / 1	

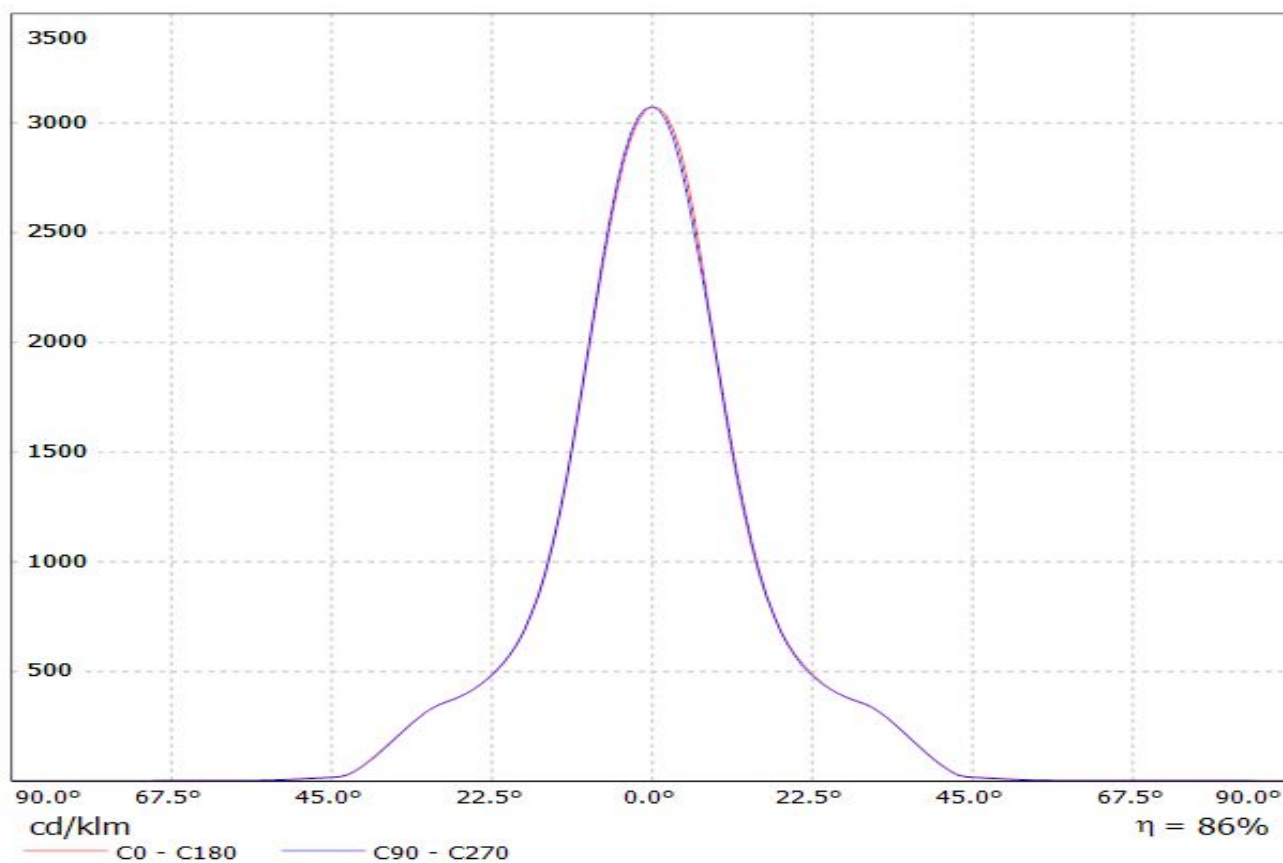
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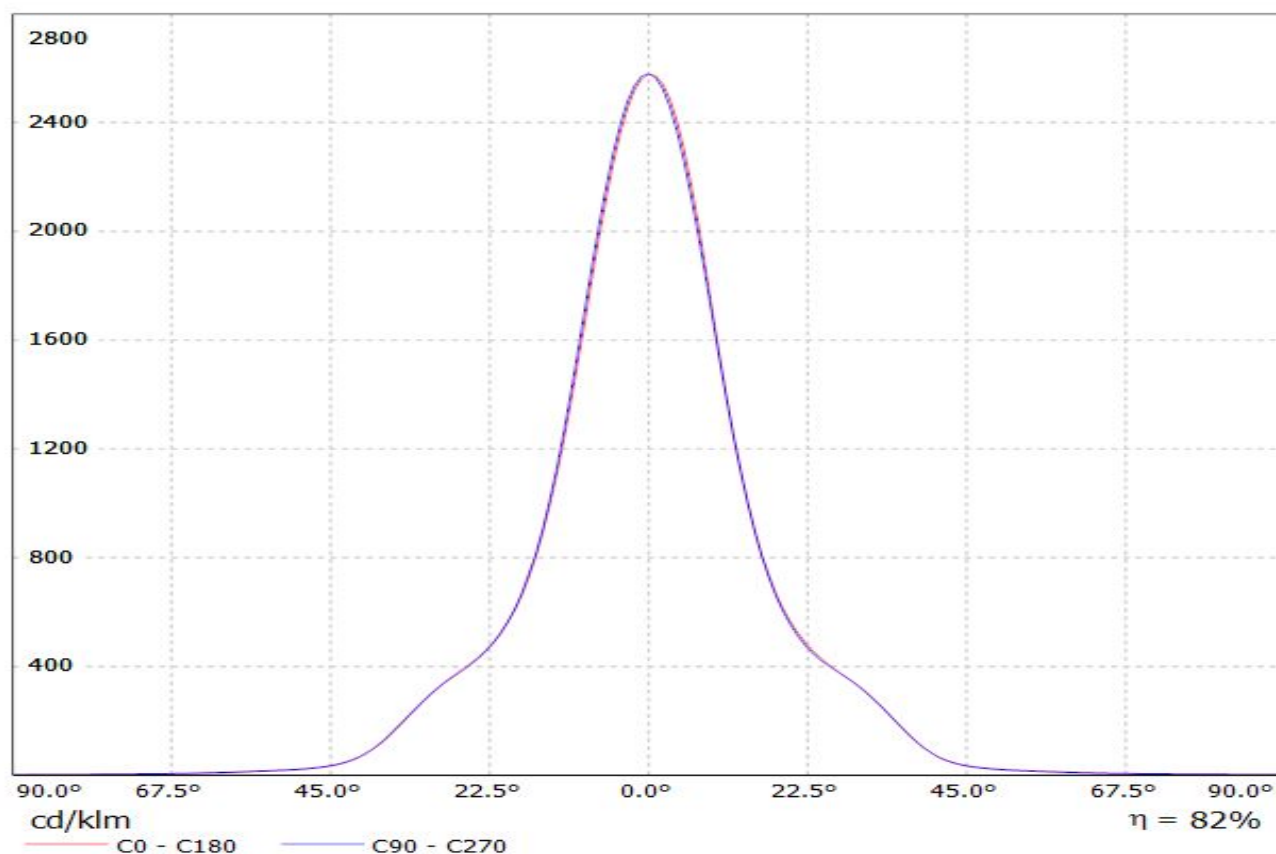
D A

Luminaire: LEDiL Oy CN13344_LENINA-S_(CXA25) Eff.86.4%

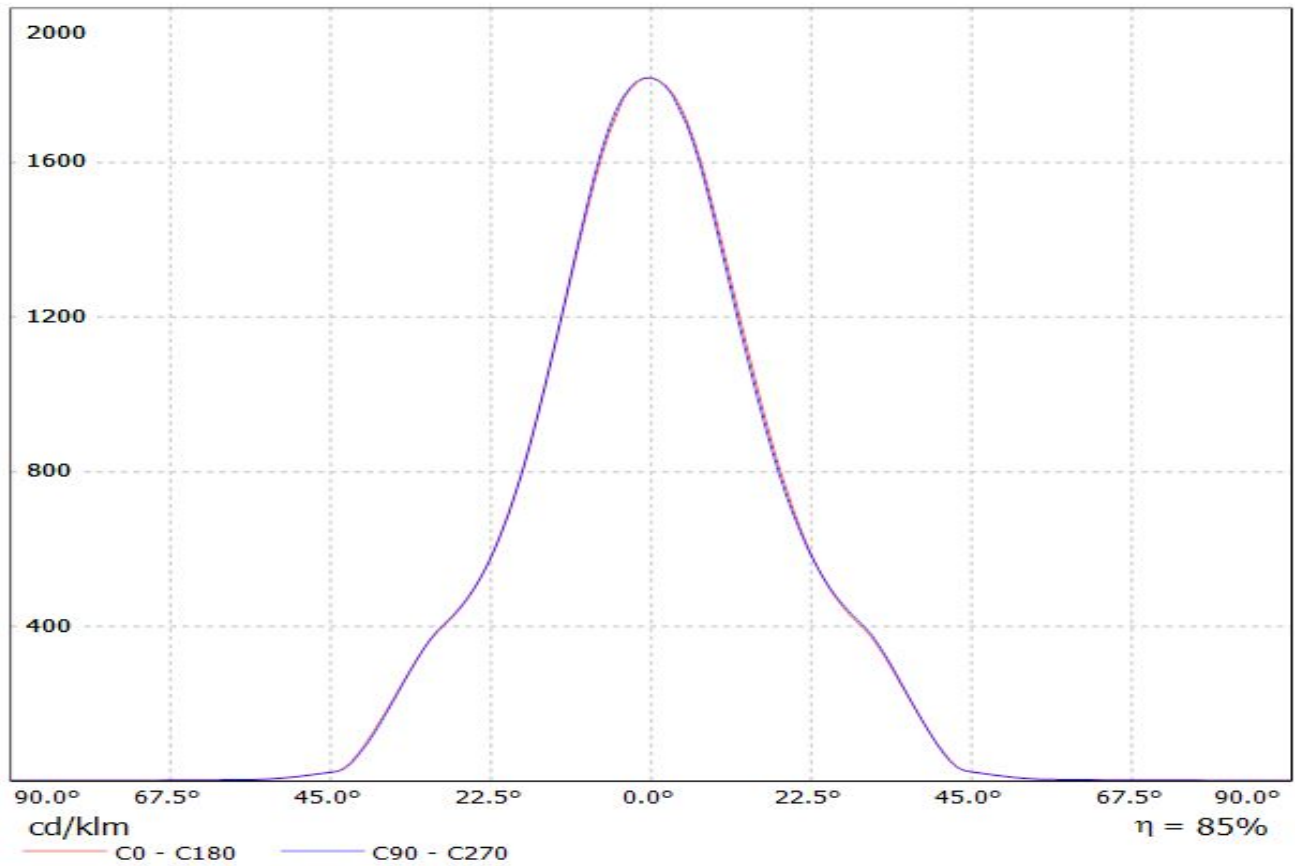
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



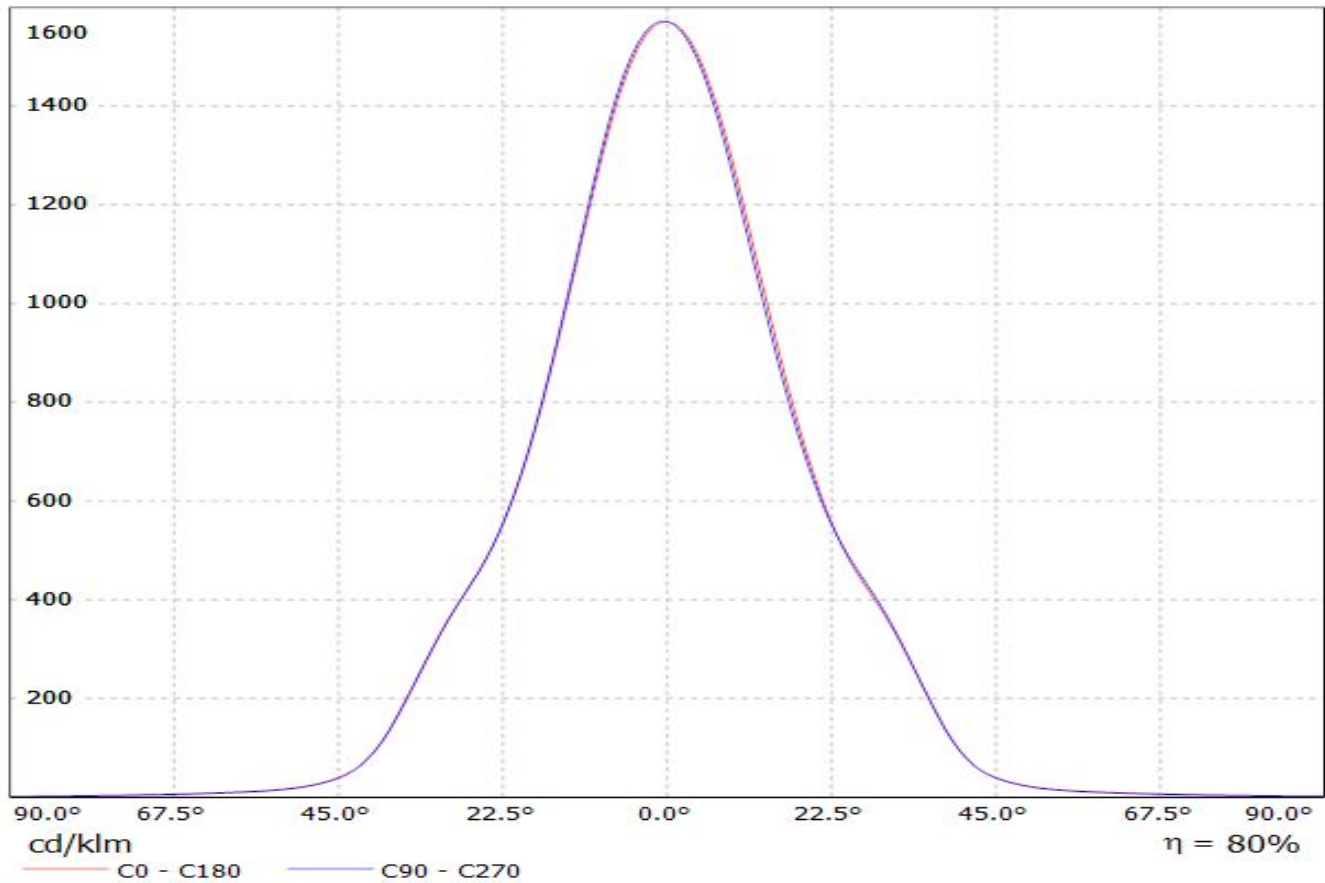
Luminaire: LEDiL Oy CN13347_LENINA-S-DL_(CXA25) Eff.81.6%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



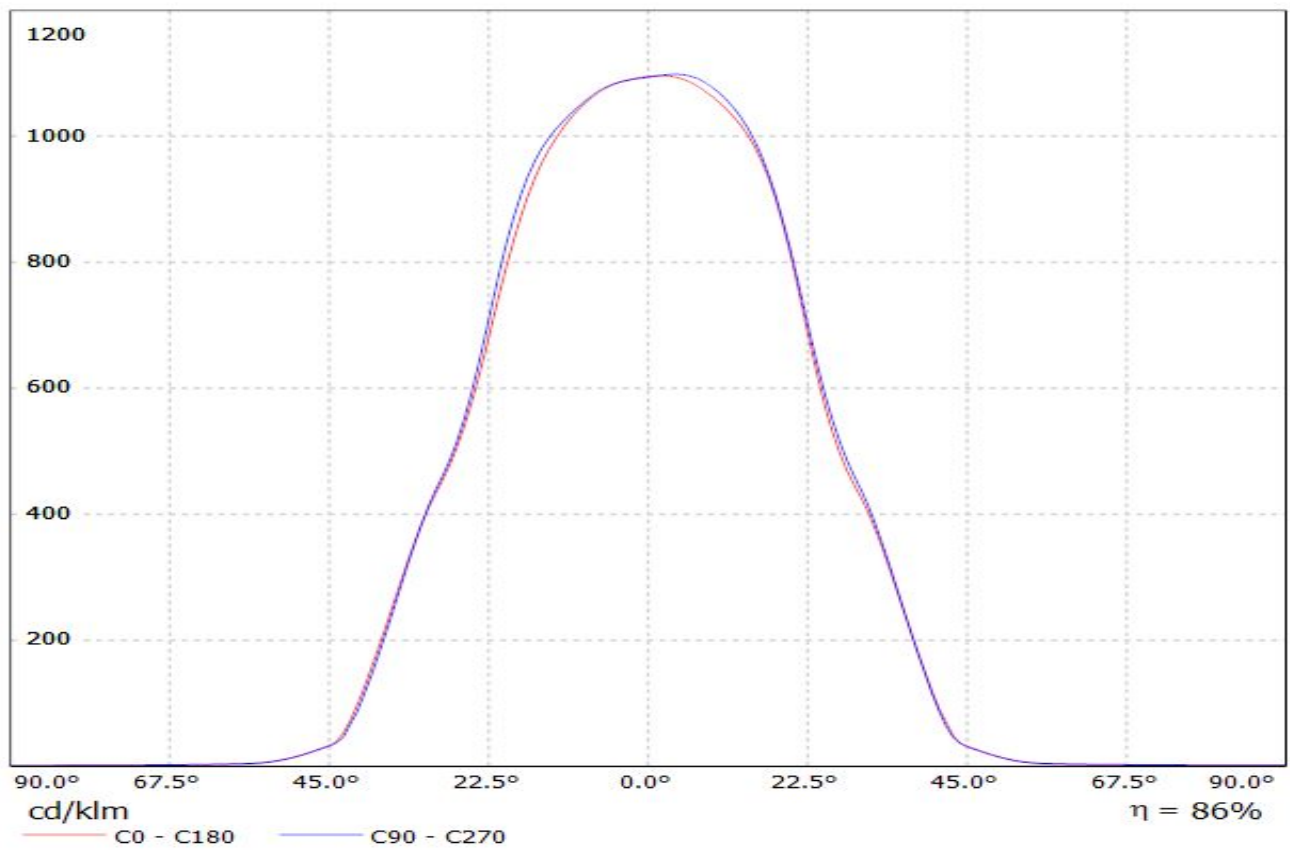
Luminaire: LEDiL Oy CN13345_LENINA-M_(CXA25) Eff.85.4%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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

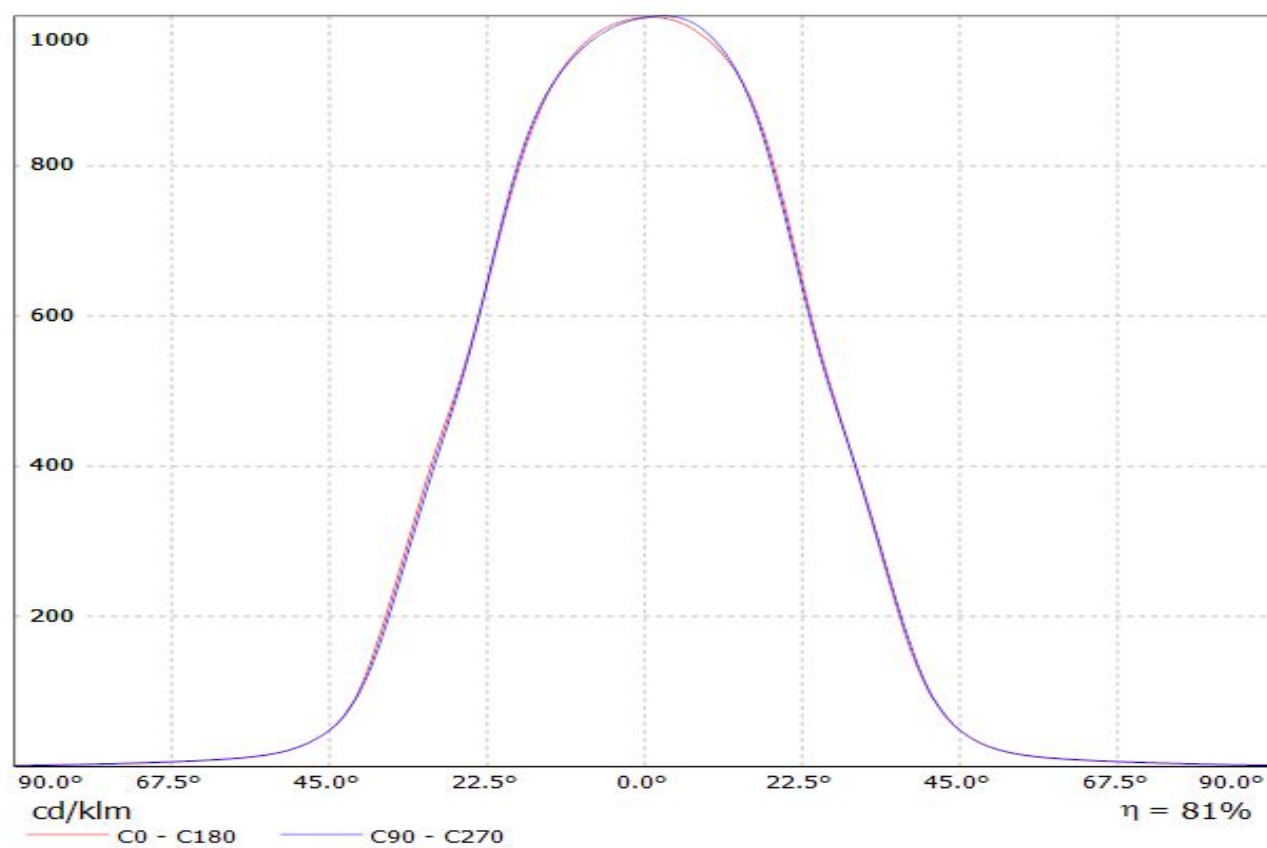


Luminaire: LEDiL Oy CN13346_LENINA-W_(CXA25) Eff.86.0%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

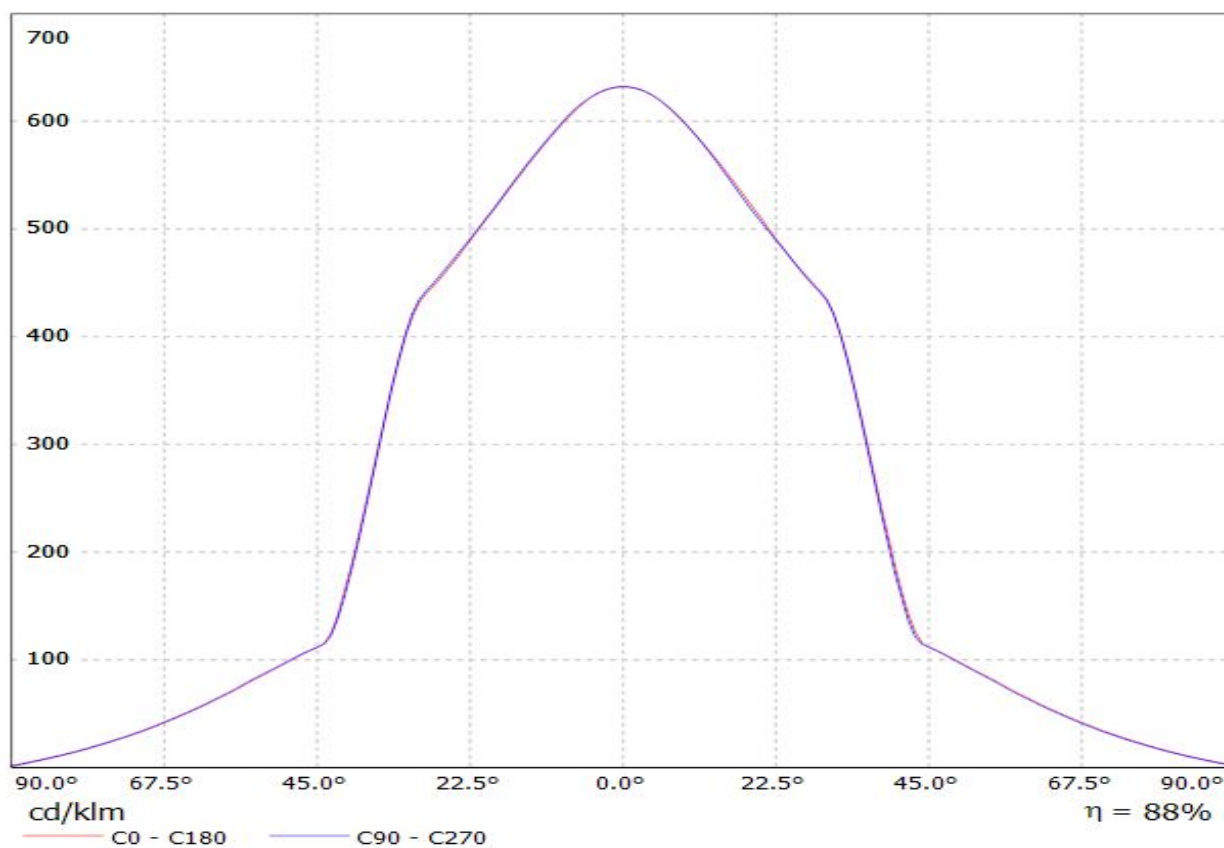


Luminaire: LEDiL Oy CN13349 LENINA-W-DL_(CXA25) Eff 81.4%

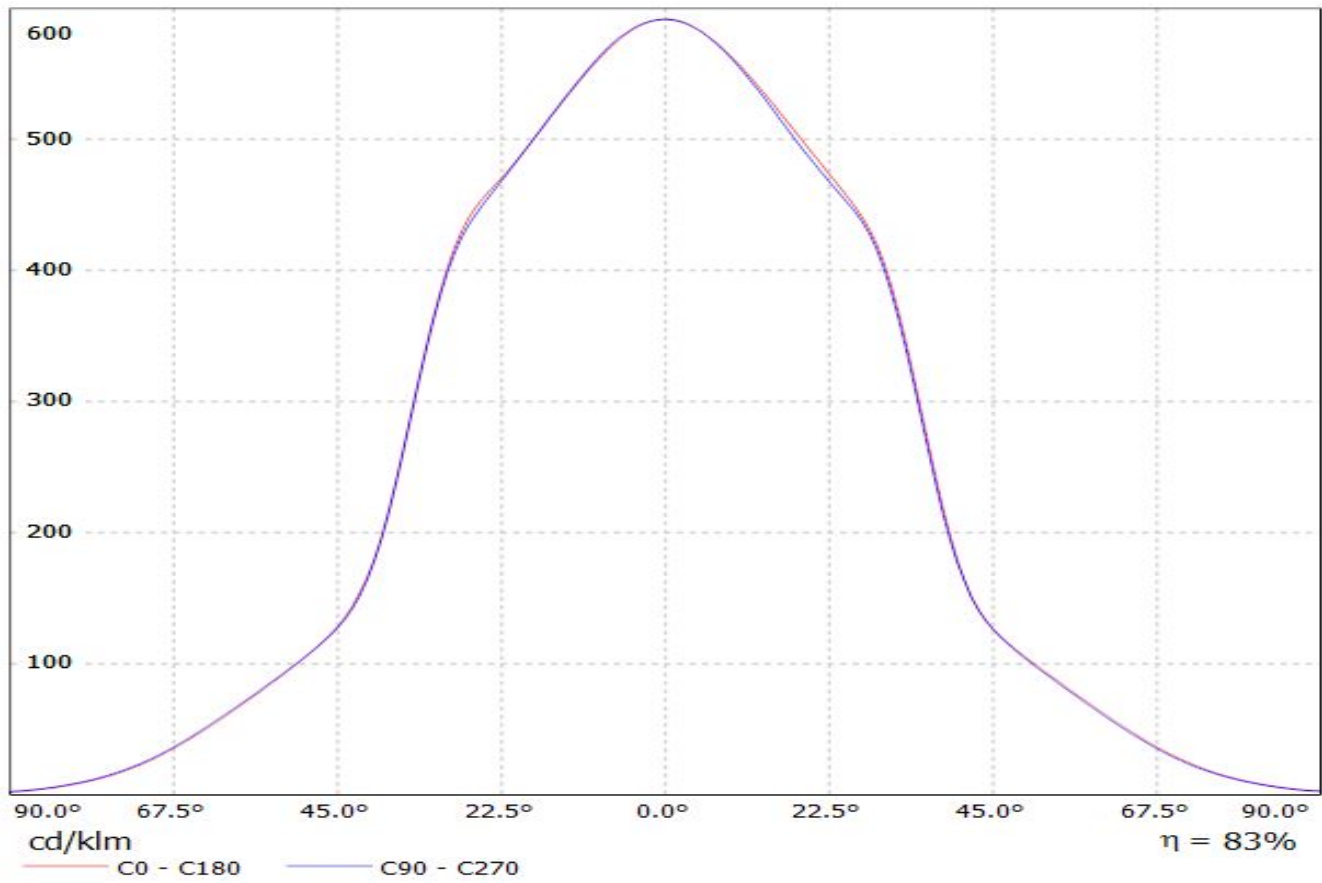
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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

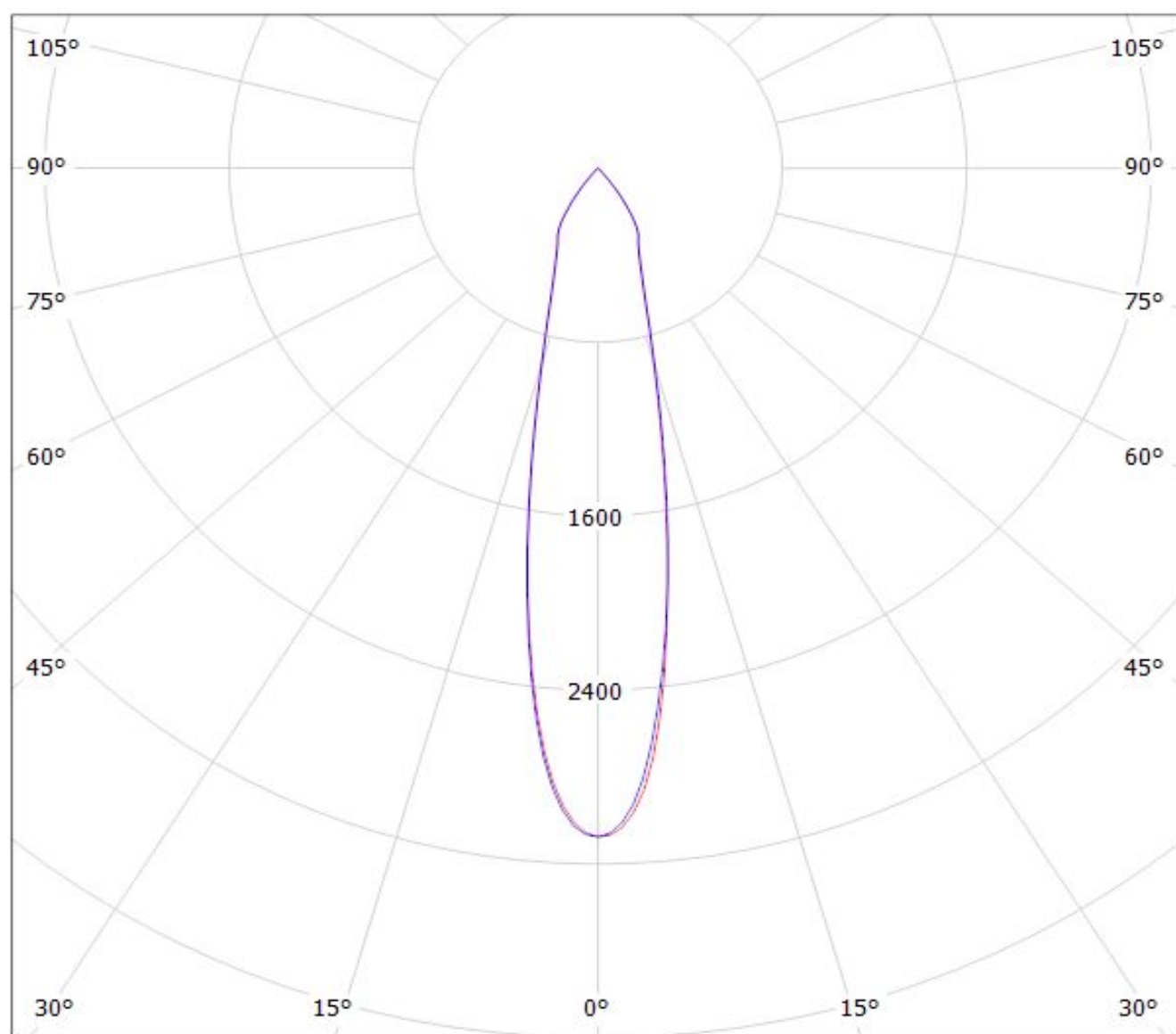


Luminaire: LEDiL Oy CN13352_LENINA-XW-DL_(CXA25) Eff.84%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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

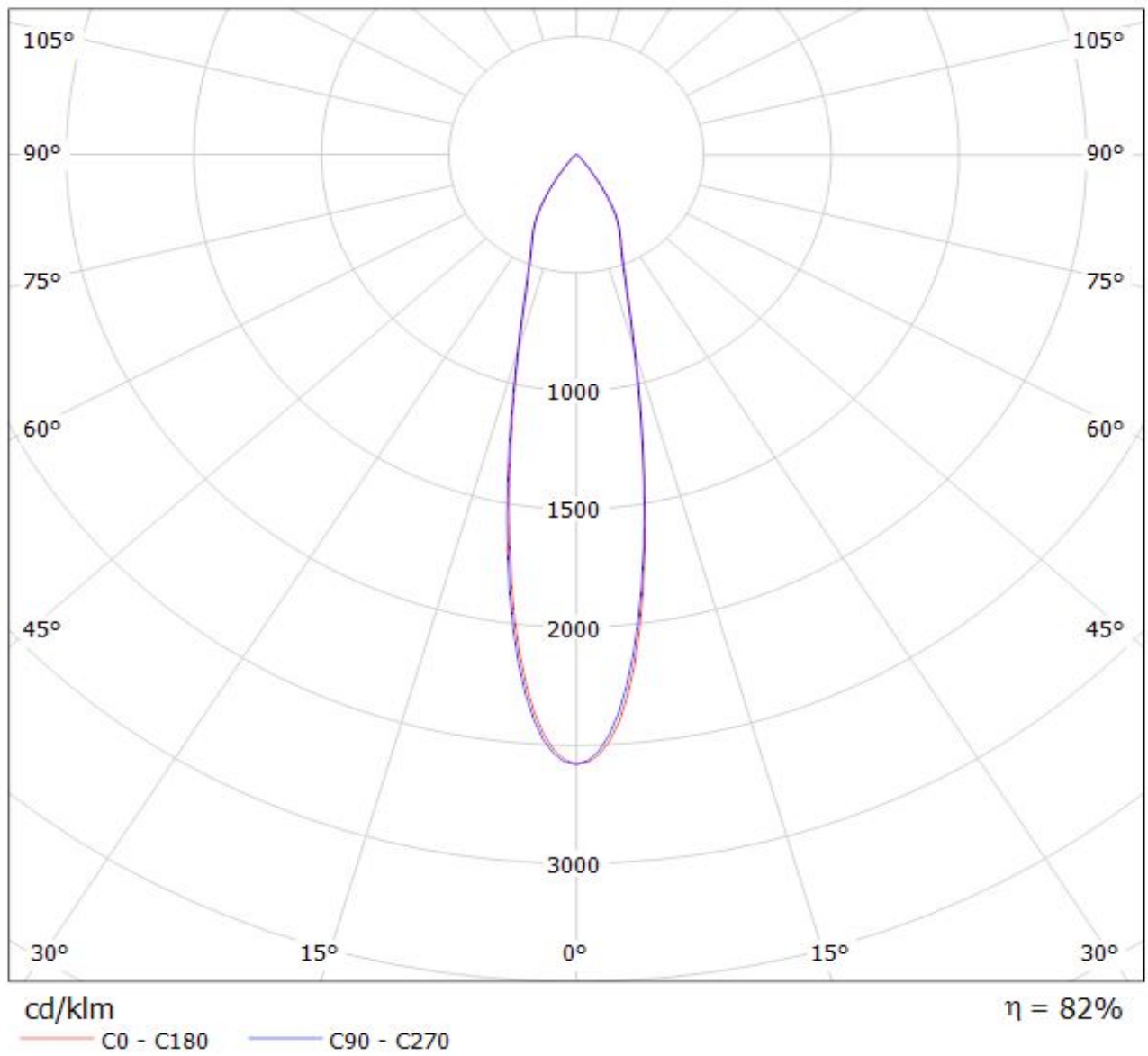


cd/klm

— C0 - C180

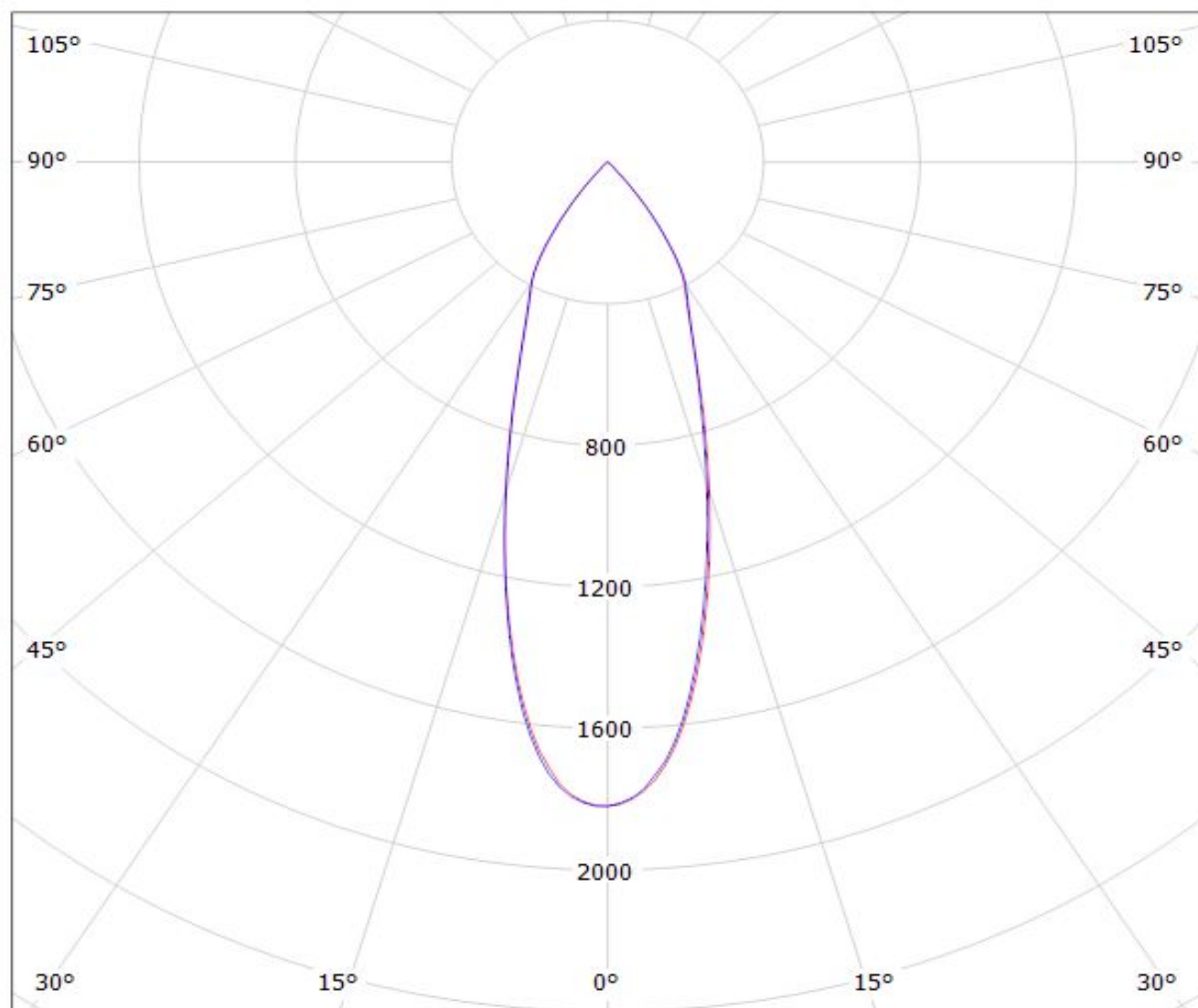
— C90 - C270

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



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



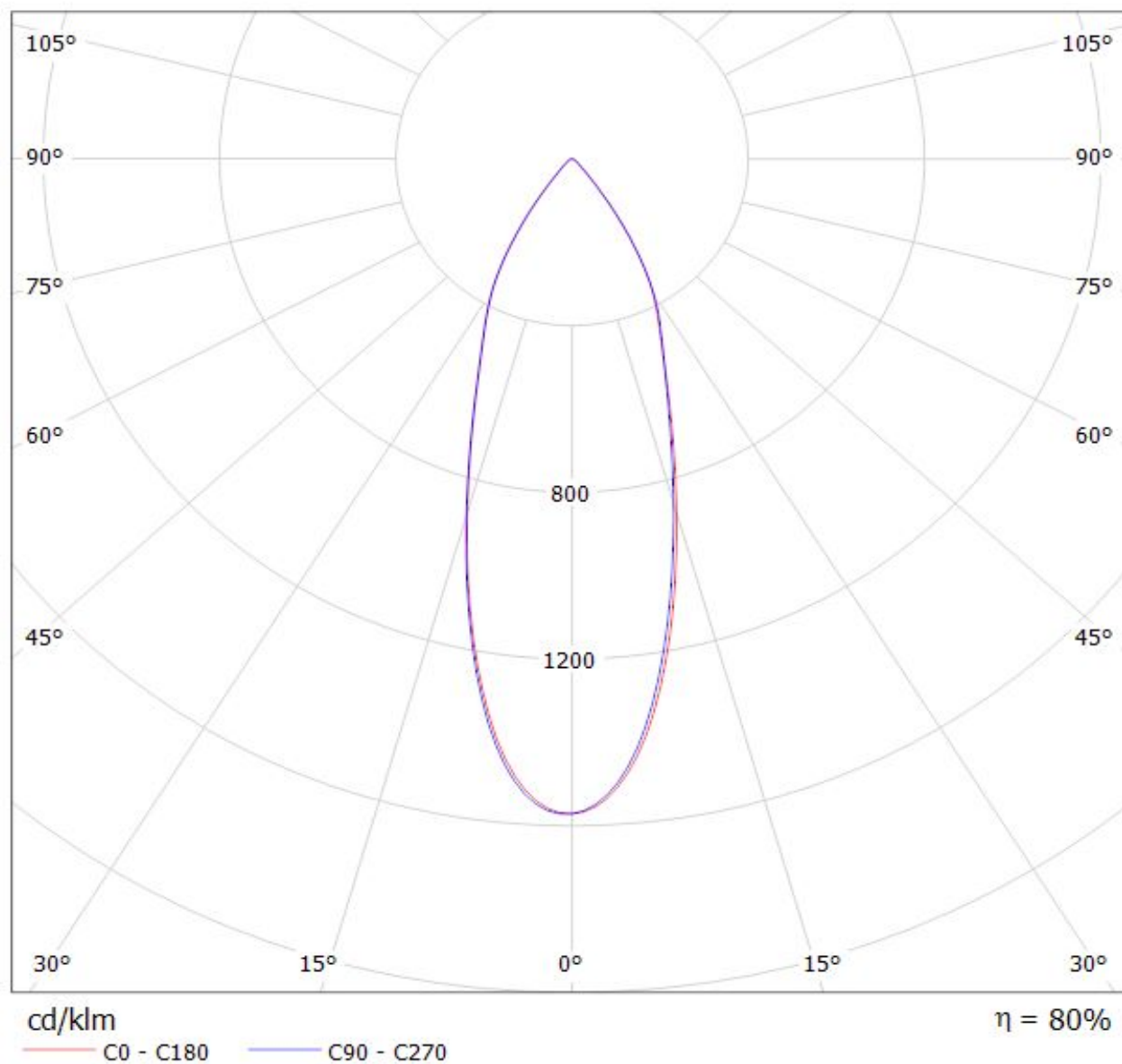
cd/klm

$\eta = 85\%$

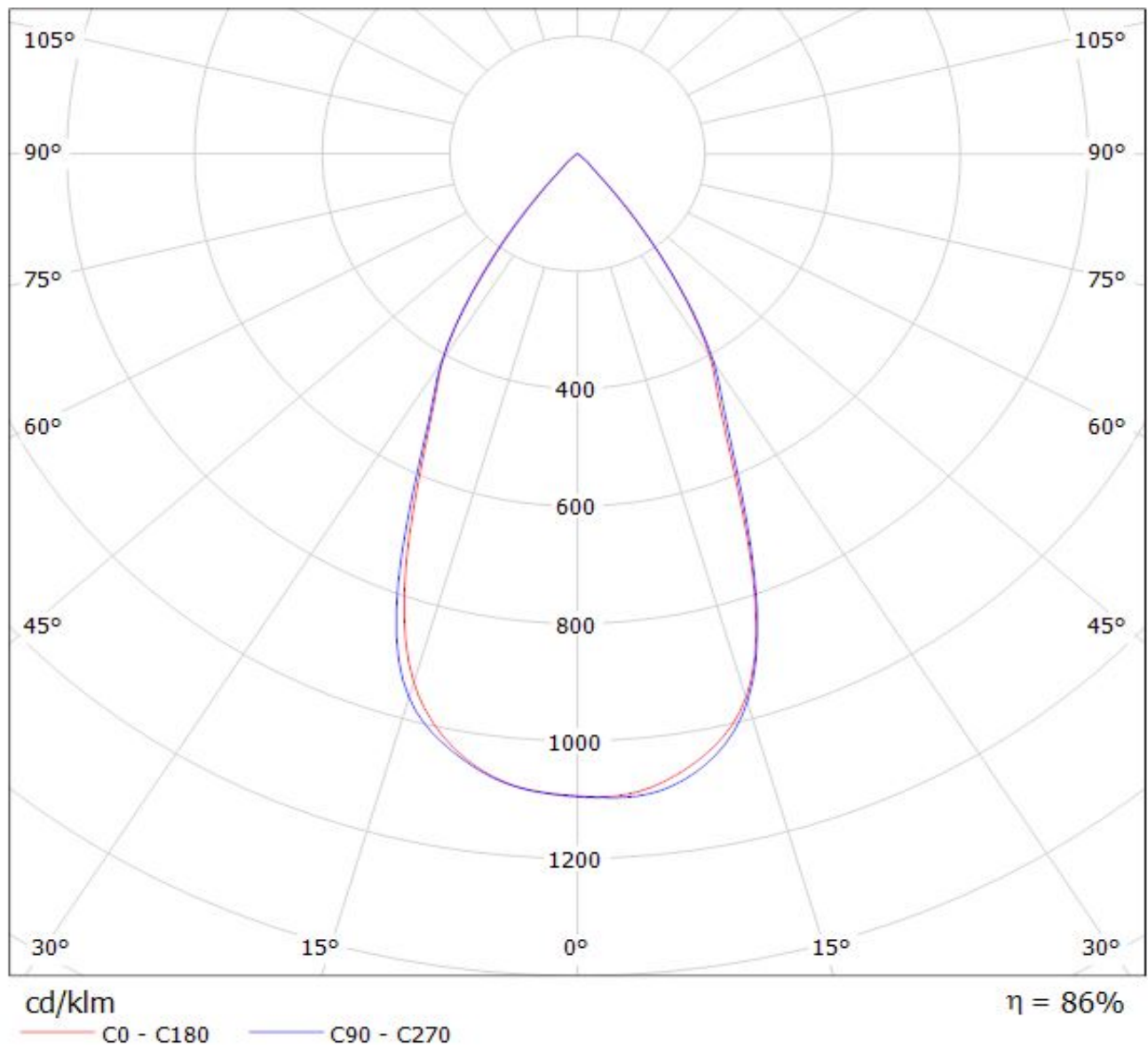
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN13348_LENINA-M-DL_(CXA25) Eff.80.3%

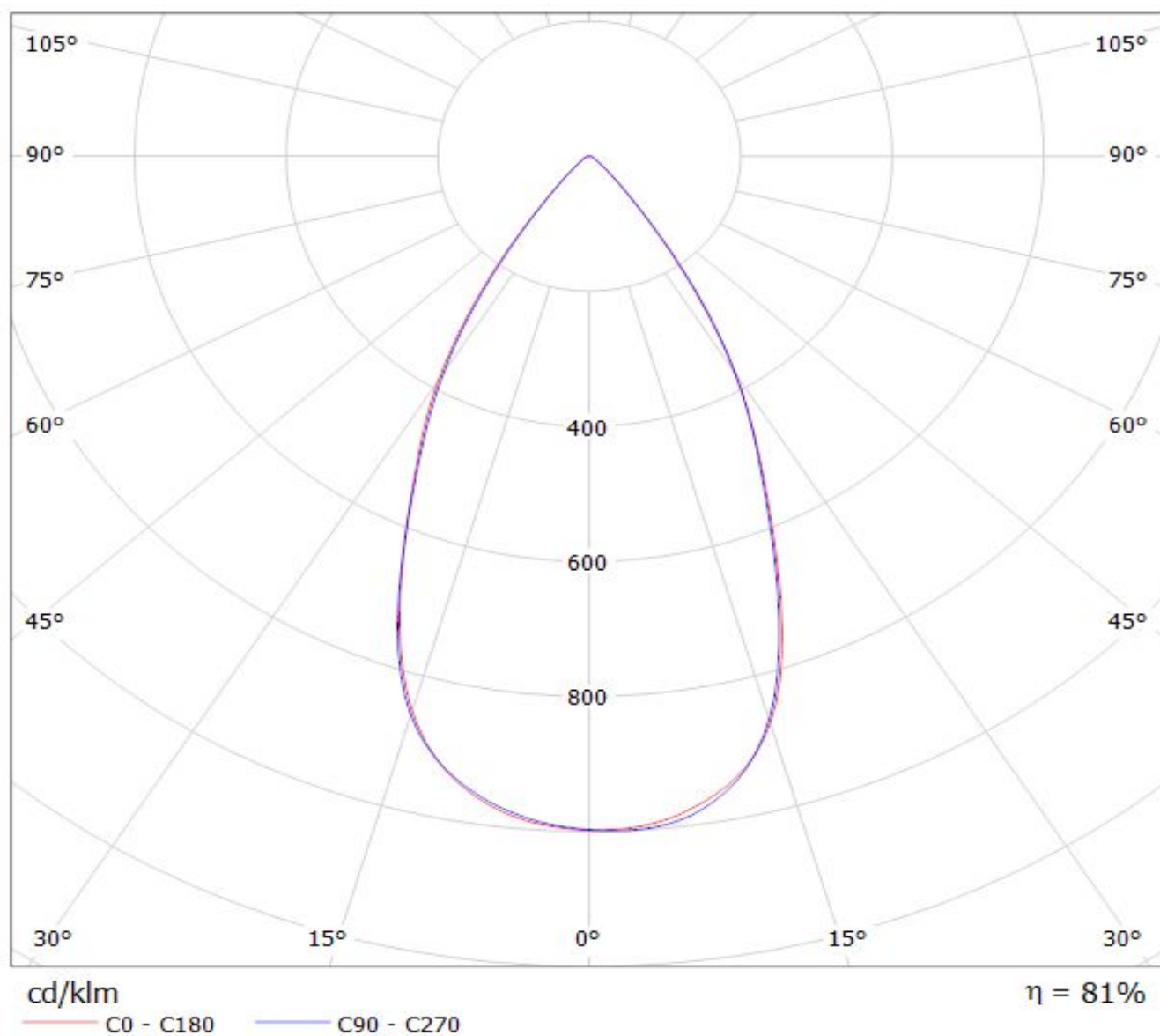
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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

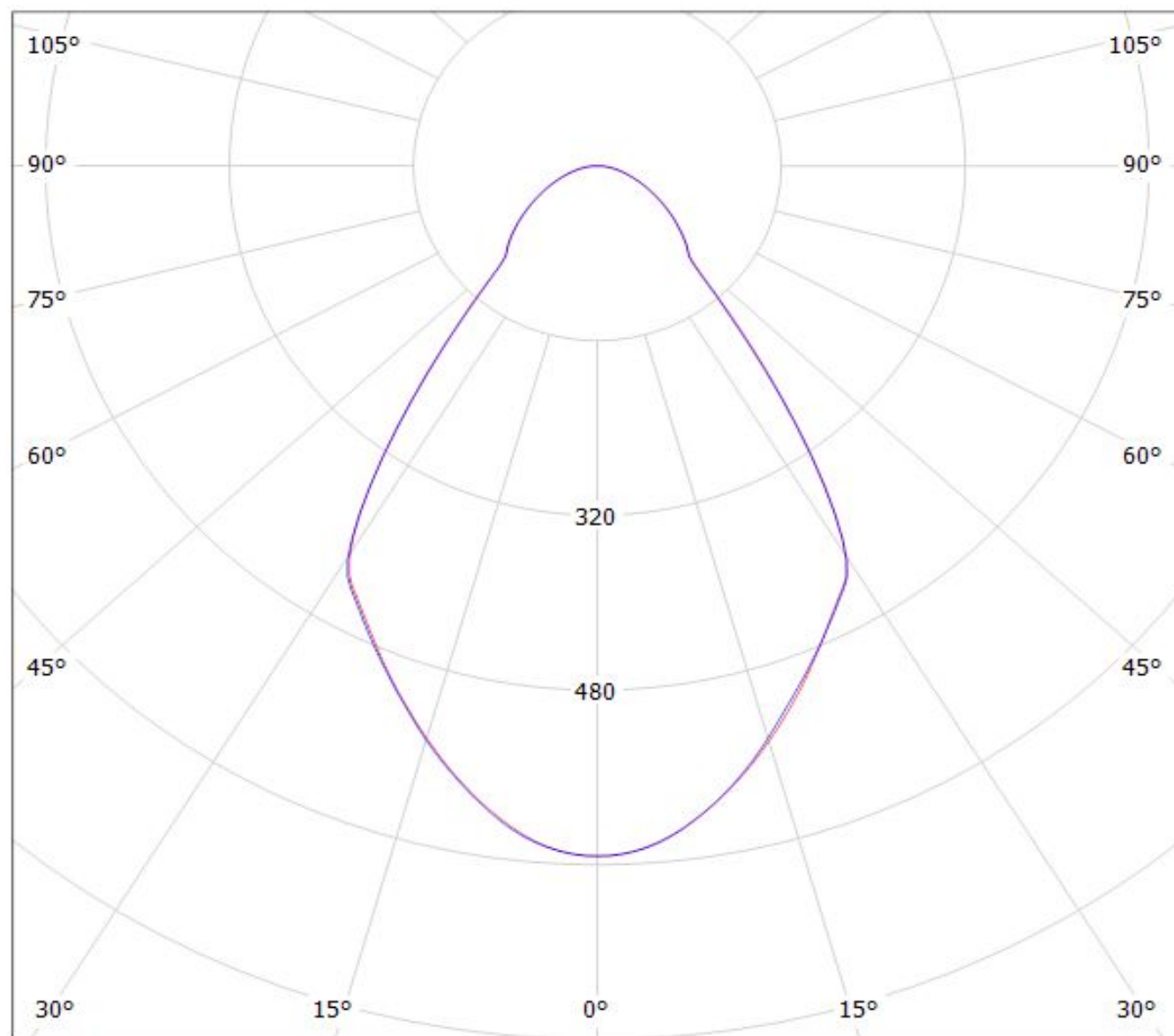


Luminaire: LEDiL Oy CN13349_LENINA-W-DL_(CXA25) Eff.81.4%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

