PRODUCT DATASHEET
Lenina series
last update 2/5/2013

Product number **CN13344_LENINA-S**

Family	Lenina	FWHM	22 degrees
Type	RefPack	Efficiency	86 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13347_LENINA-S-DL**

Family	Lenina	FWHM	23 degrees
Type	RefPack	Efficiency	78 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13345_LENINA-M**

Family	Lenina	FWHM	33 degrees
Type	RefPack	Efficiency	86 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13348_LENINA-M-DL**

Family	Lenina	FWHM	35 degrees
Type	RefPack	Efficiency	78 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Ledil Oy
Salorankatu 10
24240 SALO
Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

PRODUCT DATASHEET
Lenina series
last update 2/5/2013

Product number **CN13346_LENINA-W**

Family	Lenina	FWHM	51 degrees
Type	RefPack	Efficiency	84 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13349_LENINA-W-DL**

Family	Lenina	FWHM	52 degrees
Type	RefPack	Efficiency	76 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13351_LENINA-XW**

Family	Lenina	FWHM	70 degrees
Type	RefPack	Efficiency	89 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Product number **CN13352_LENINA-XW-DL**

Family	Lenina	FWHM	70 degrees
Type	RefPack	Efficiency	84 %
LED	CXA25xx	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 COB in place. Base part is attached into heat sink with screws.

Ledil Oy
Salorankatu 10
24240 SALO
Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

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.

Ledil Oy
Salorankatu 10
24240 SALO
Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

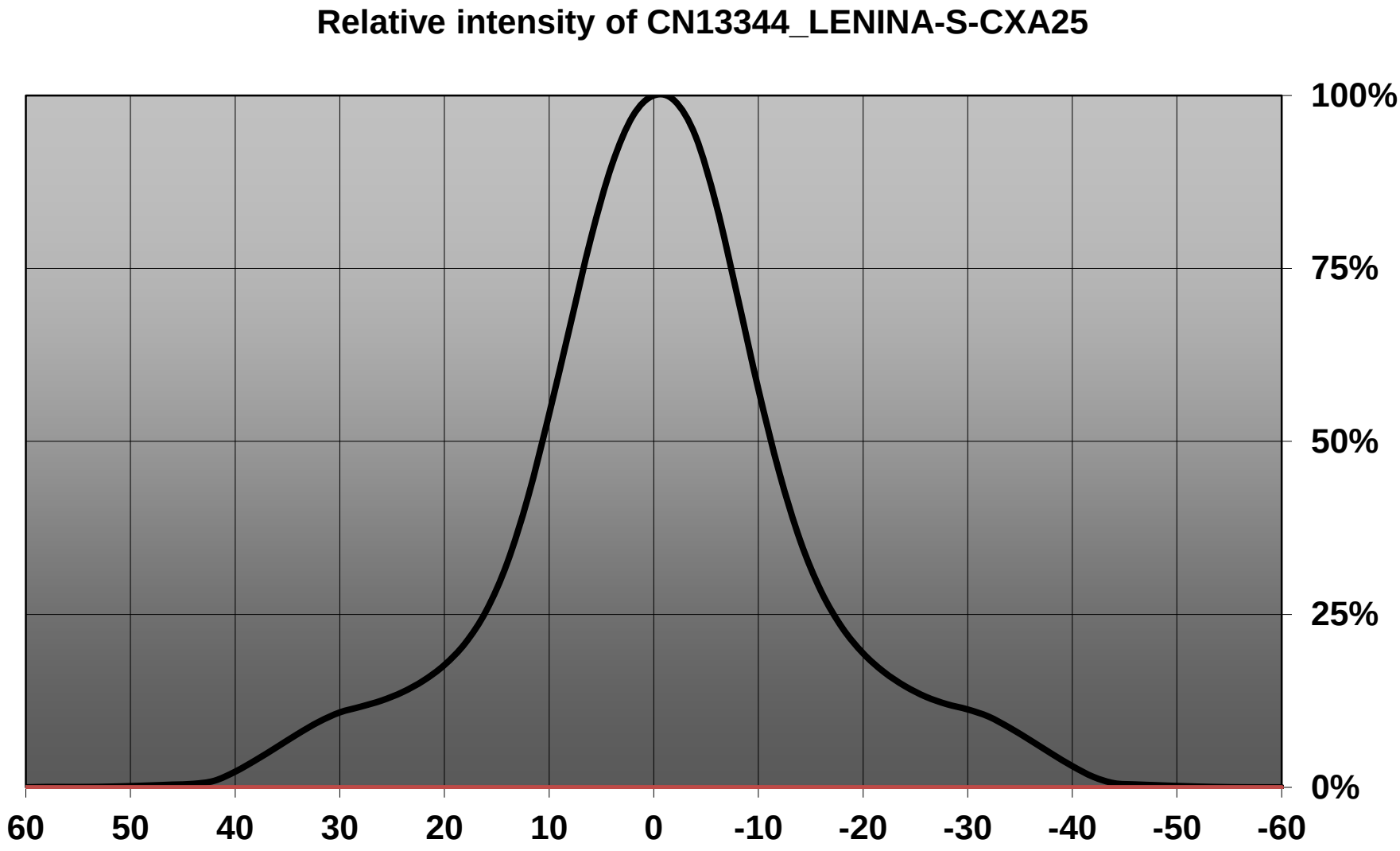
GENERAL INFORMATION

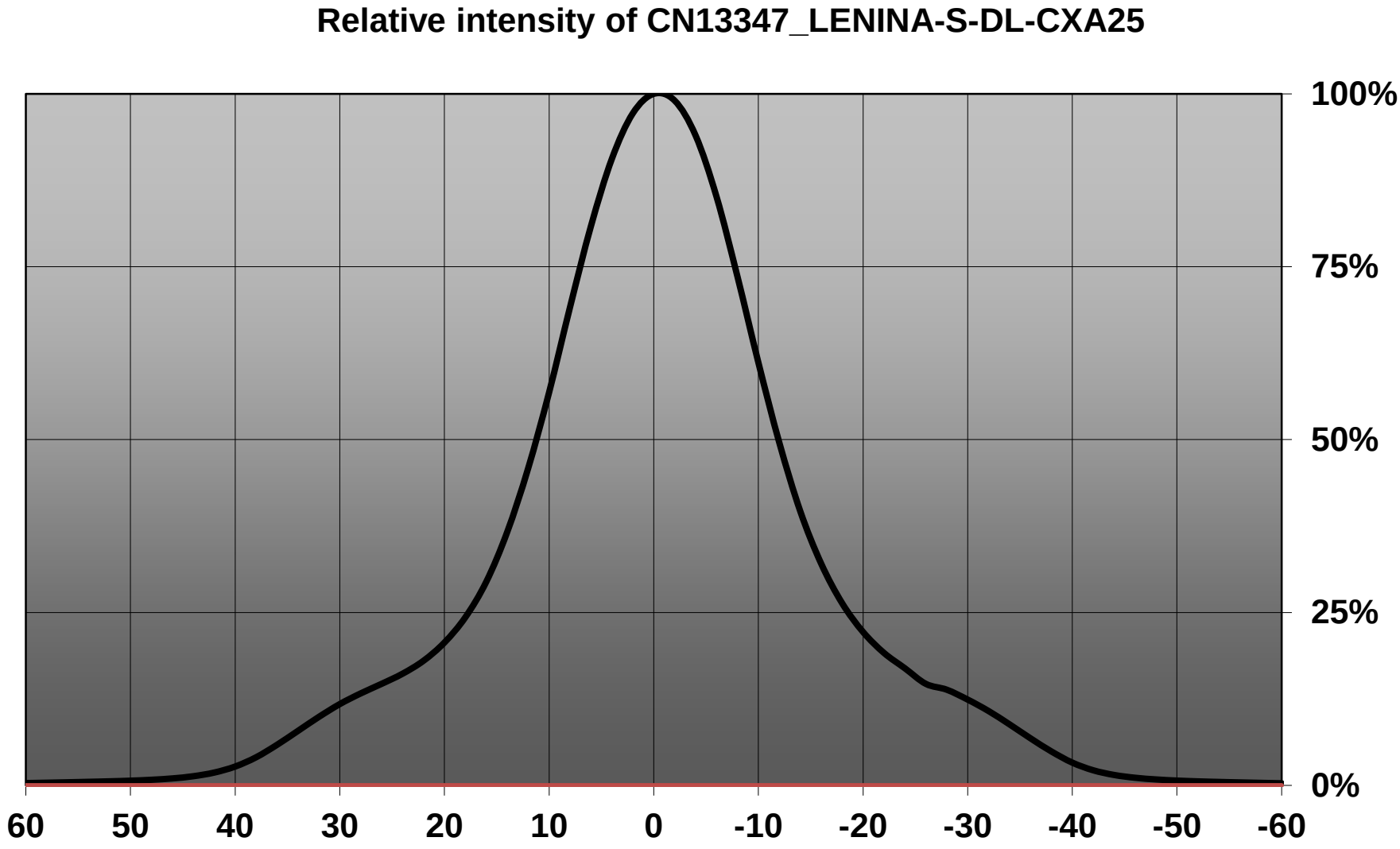
- Product series especially designed & optimized for CXA25xx series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current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

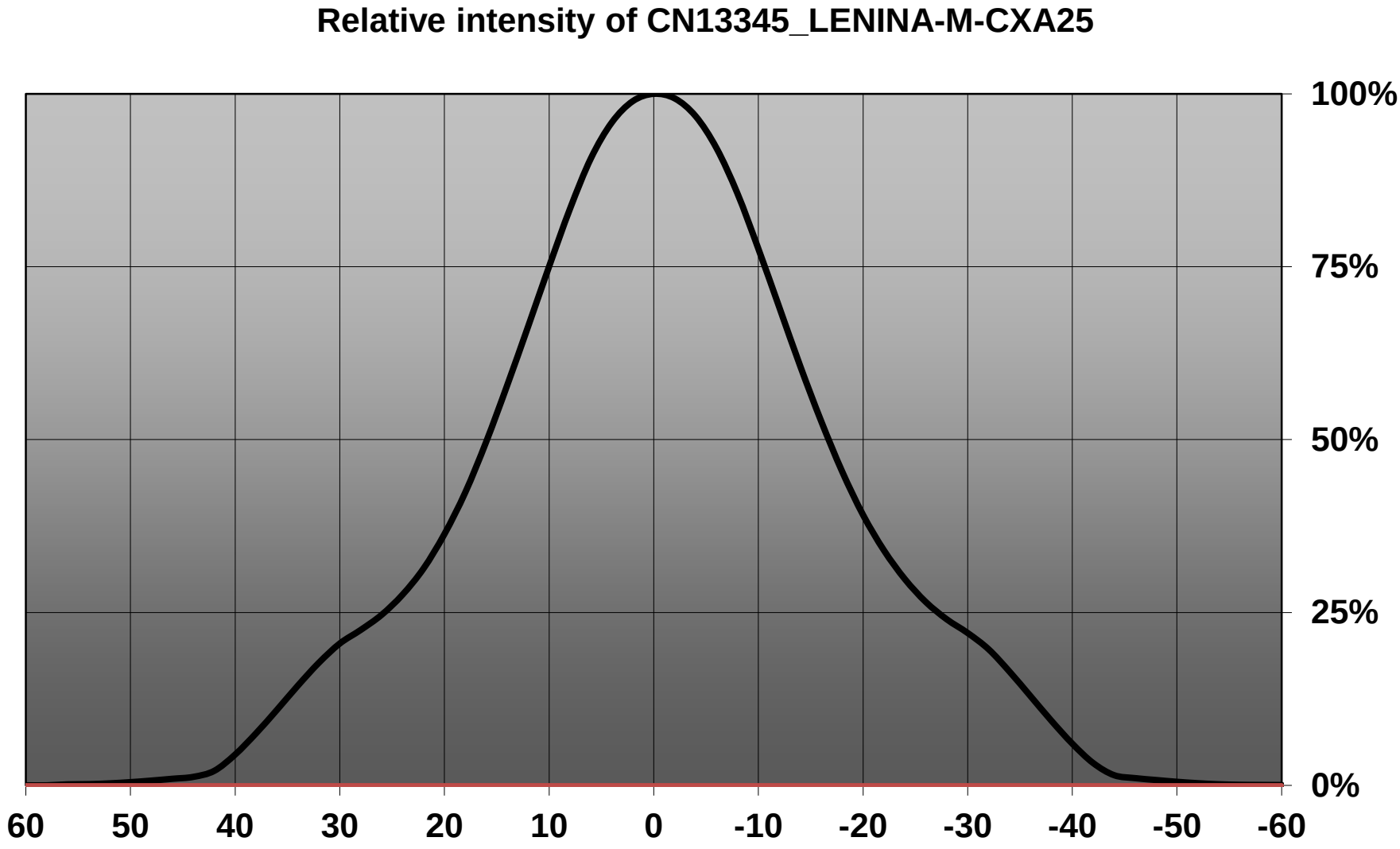
Please find more information about used materials from below:
http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

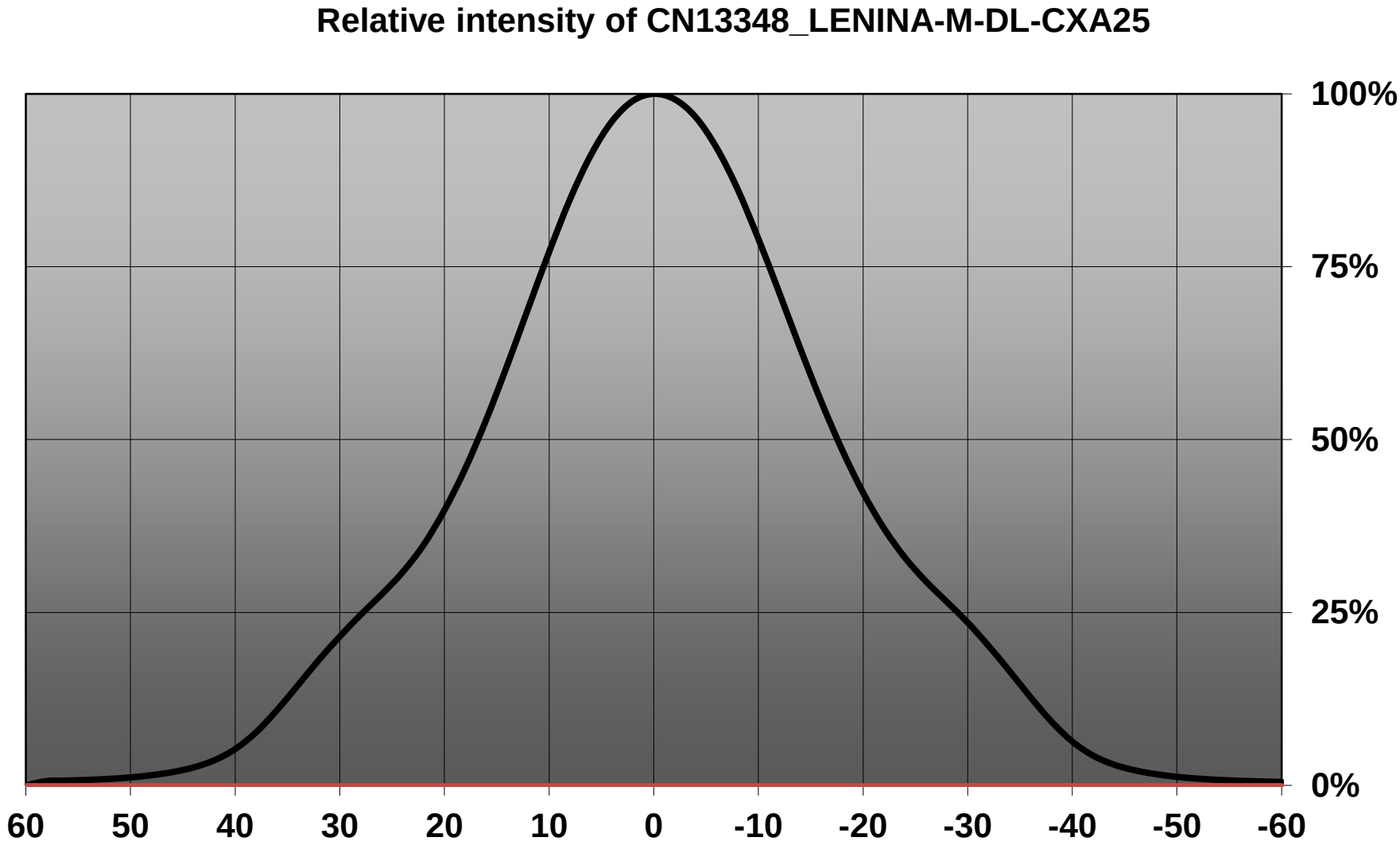
Ledil Oy
Salorankatu 10
24240 SALO
Finland

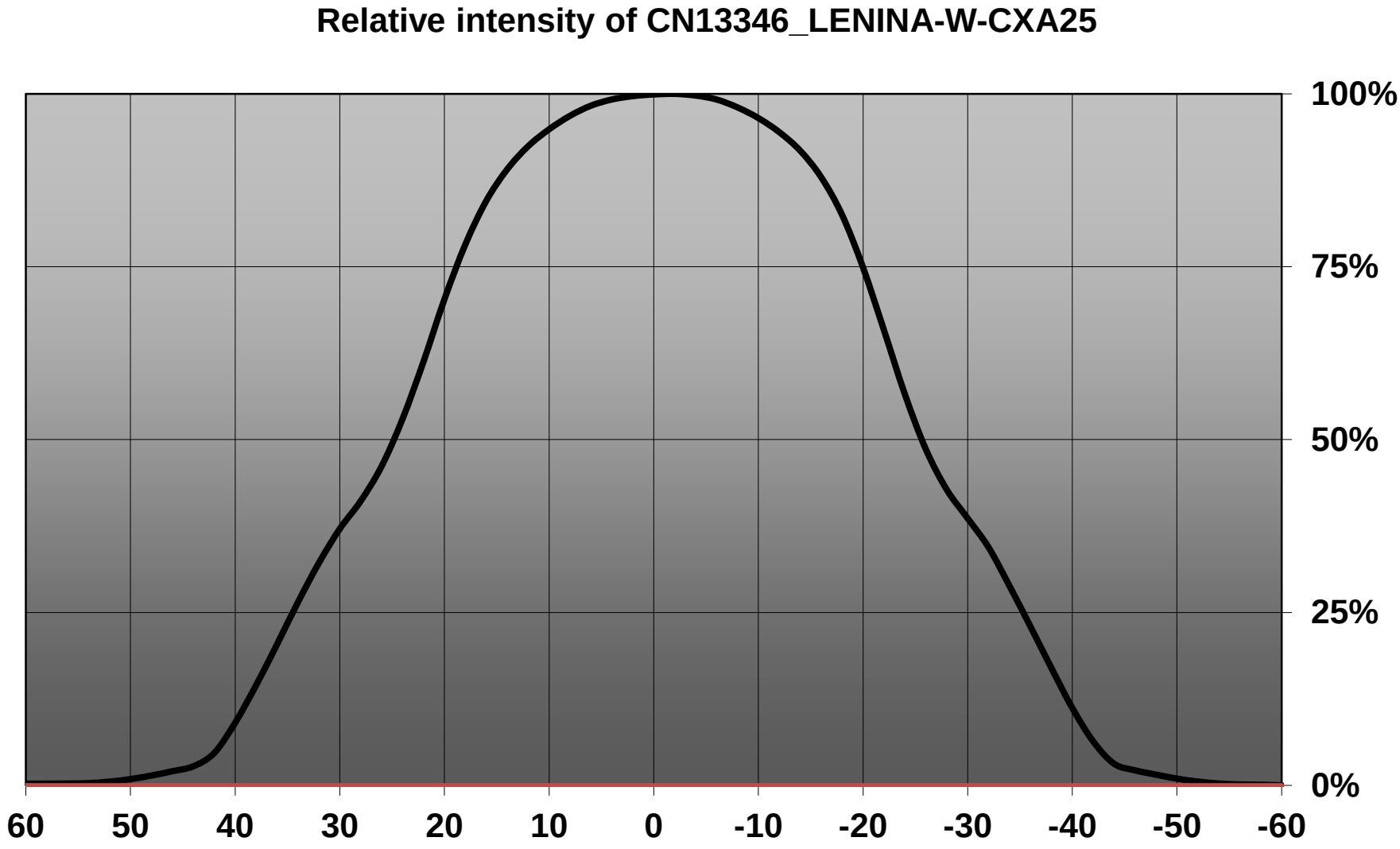
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

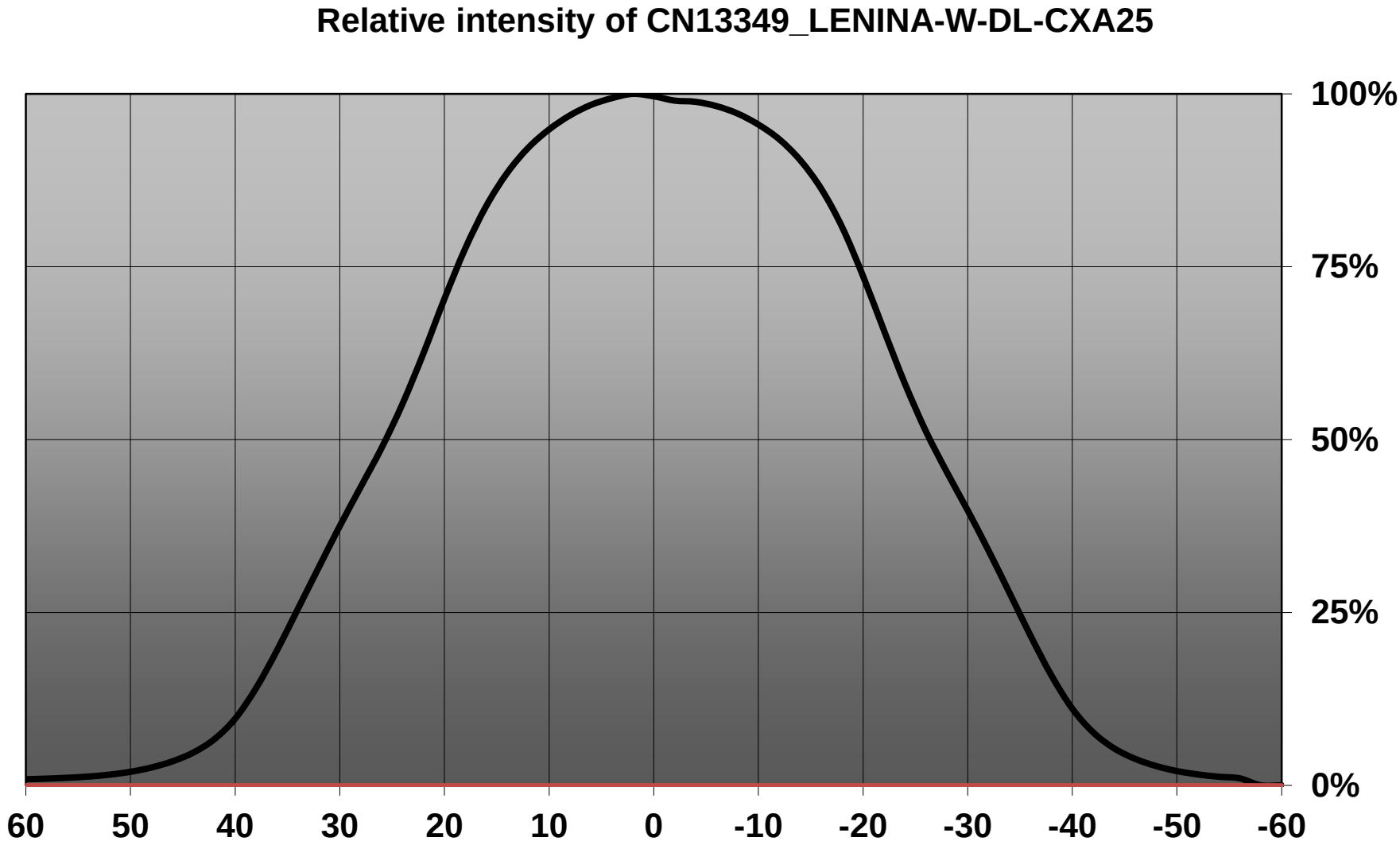

Relative intensity of CN13344_LENINA-S-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

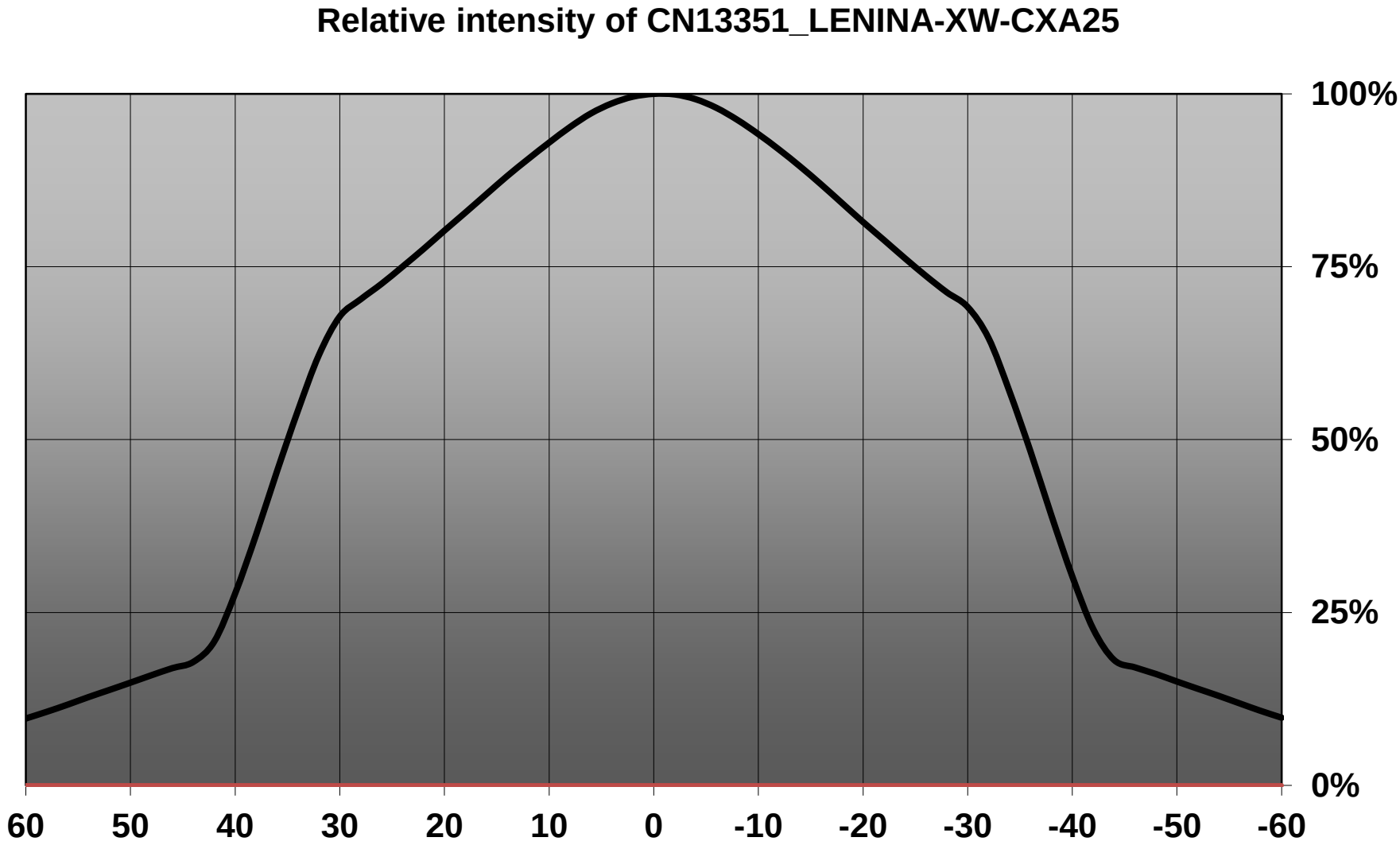

Relative intensity of CN13347_LENINA-S-DL-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

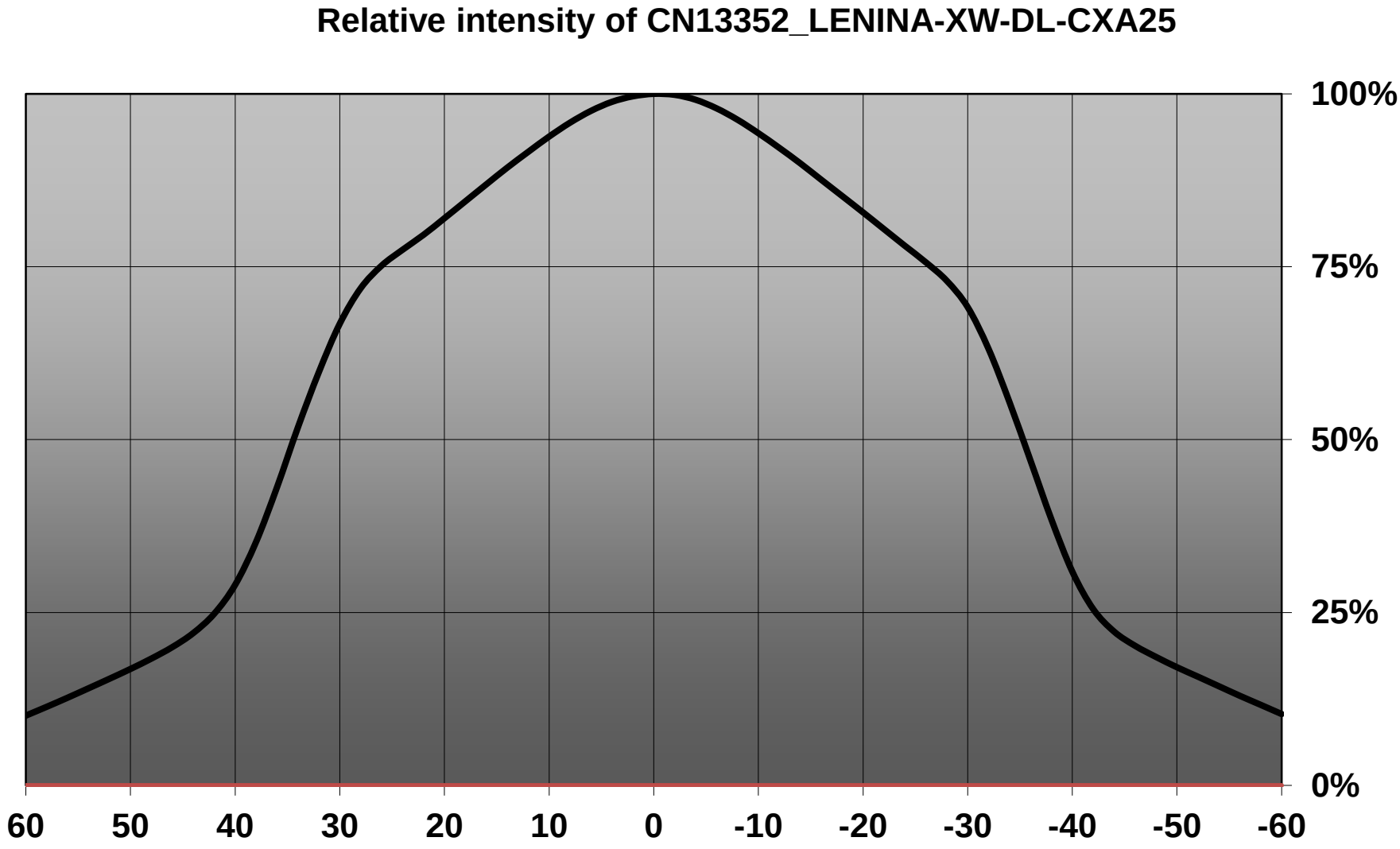

Relative intensity of CN13345_LENINA-M-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

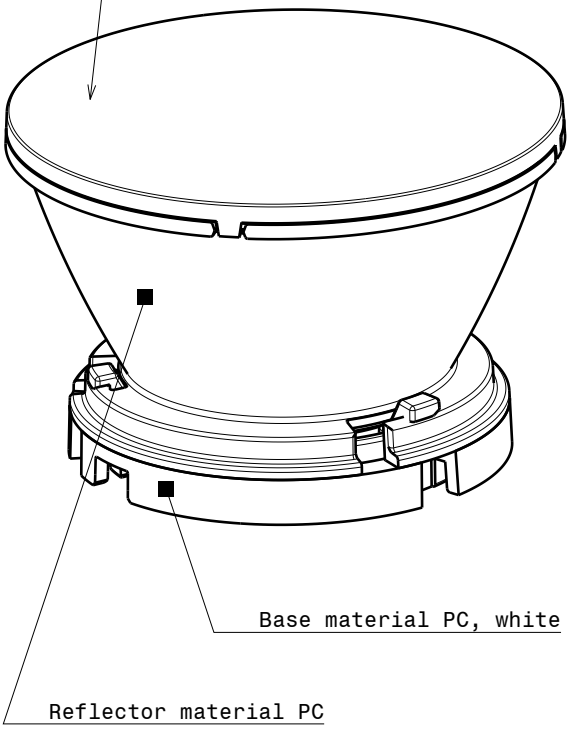

Relative intensity of CN13348_LENINA-M-DL-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

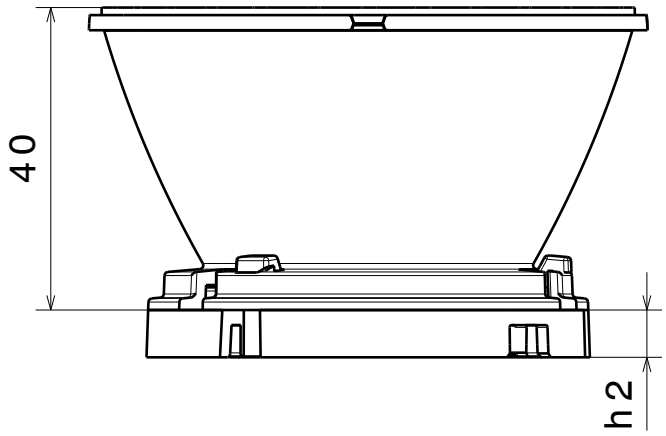

Relative intensity of CN13346_LENINA-W-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

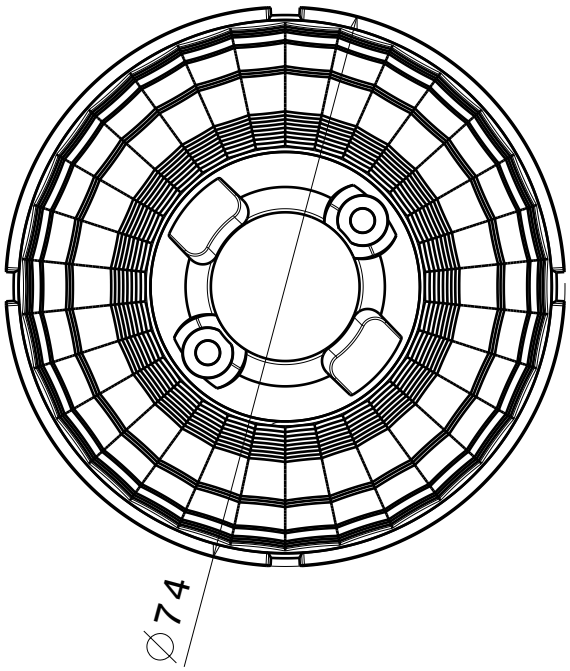

Relative intensity of CN13349_LENINA-W-DL-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60


Relative intensity of CN13351_LENINA-XW-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60


Relative intensity of CN13352_LENINA-XW-DL-CXA25
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60







NOTE:

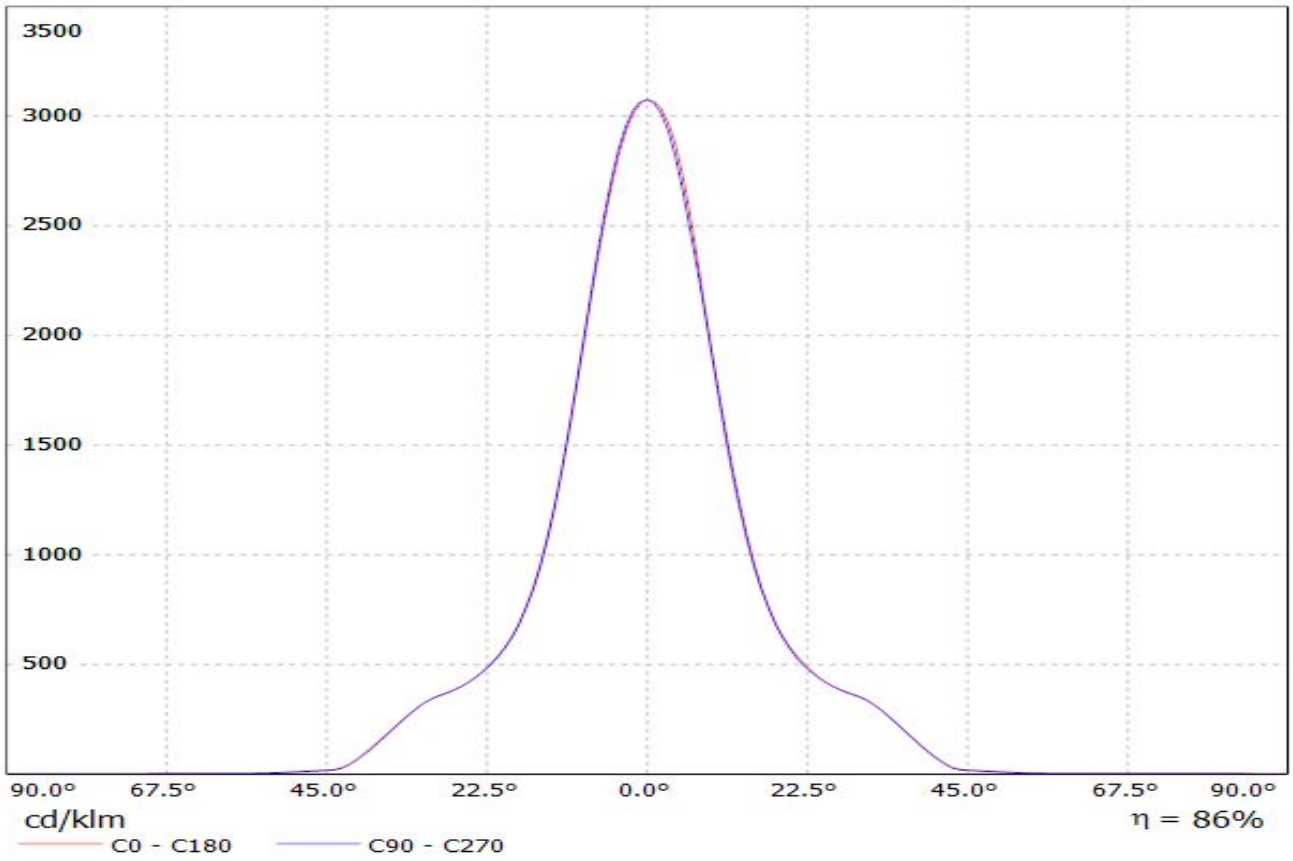
Using optional sublens, add 2.1mm
to the system height

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

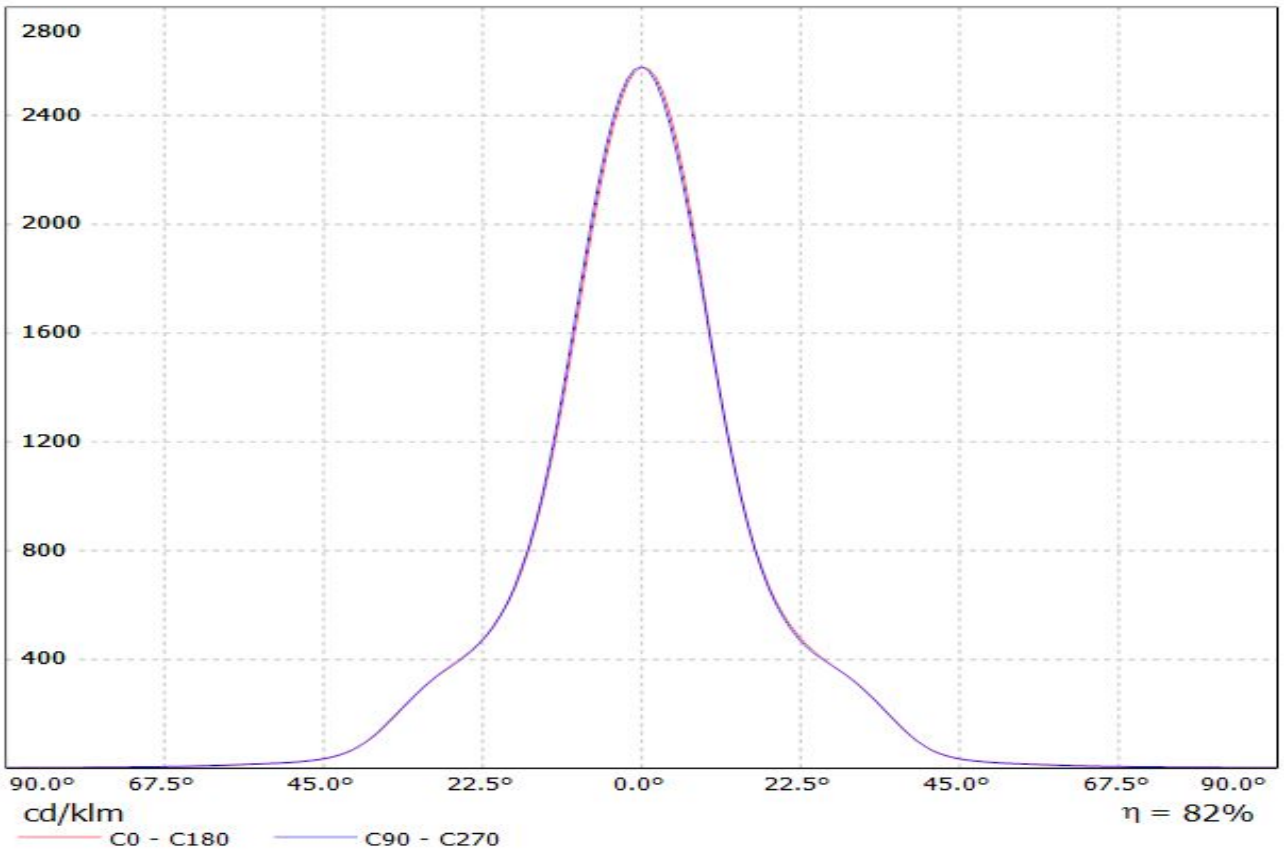
Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

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

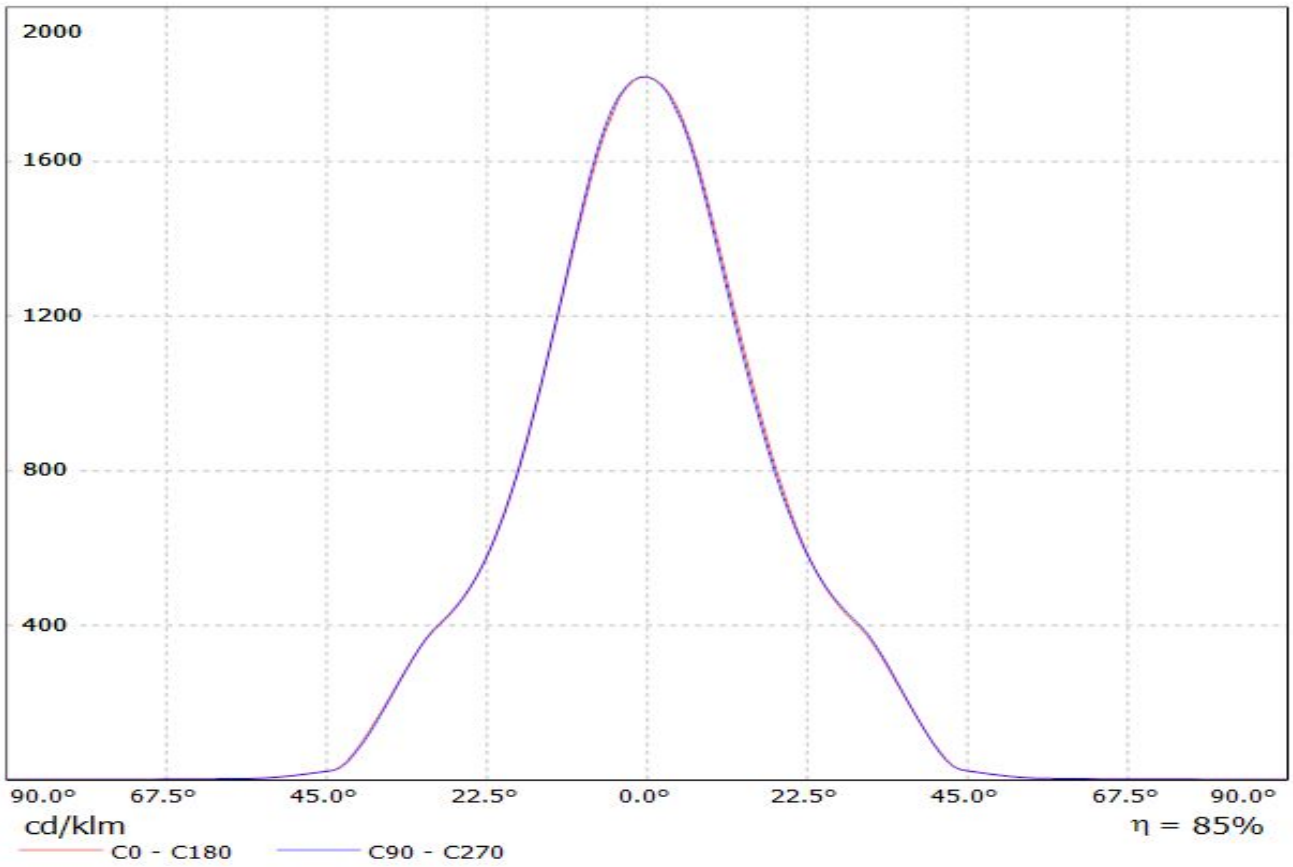
Luminaire: LEDiL Oy CN13344_LENINA-S_(CXA25) Eff.86.4%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



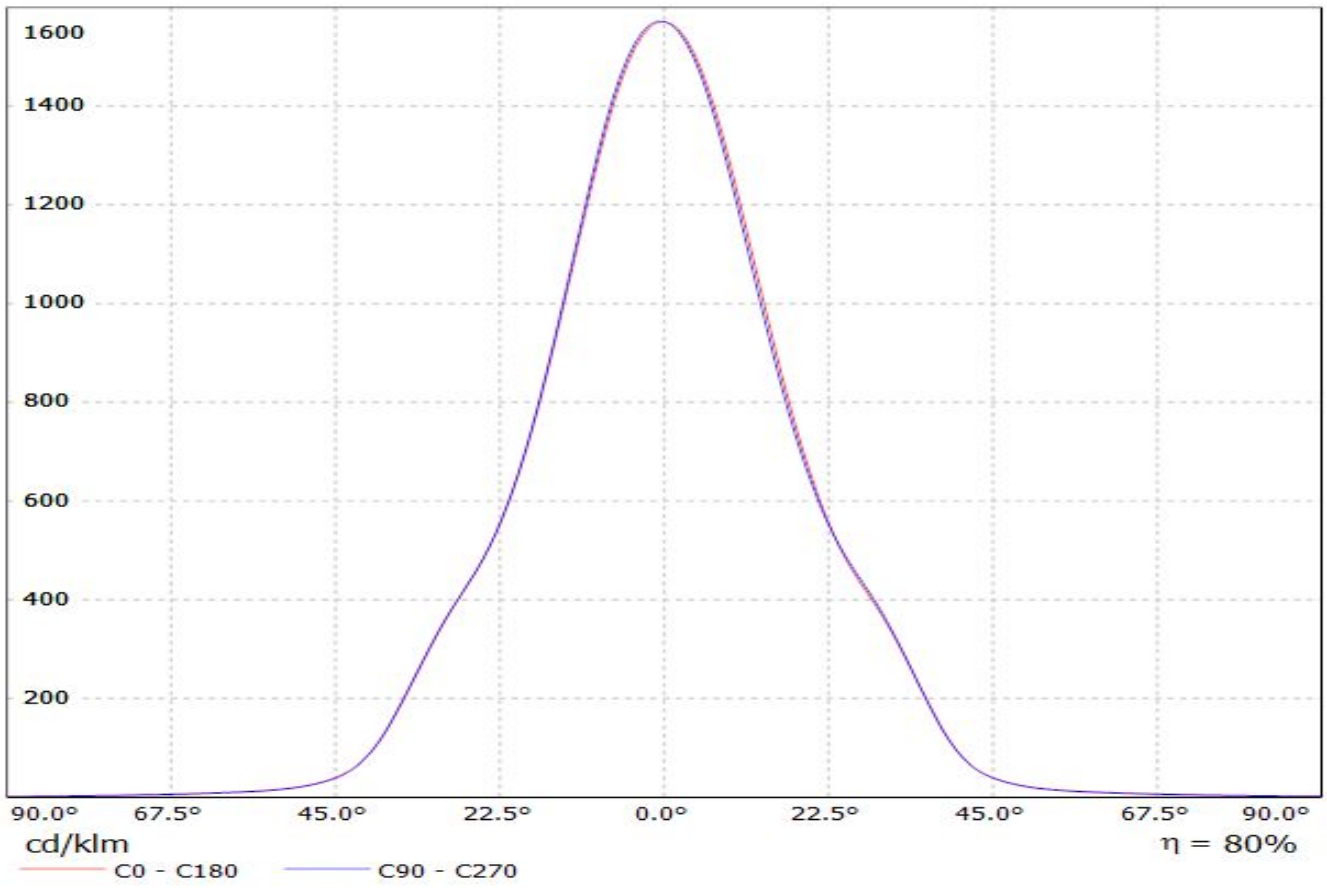
Luminaire: LEDiL Oy CN13347_LENINA-S-DL_(CXA25) Eff.81.6%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



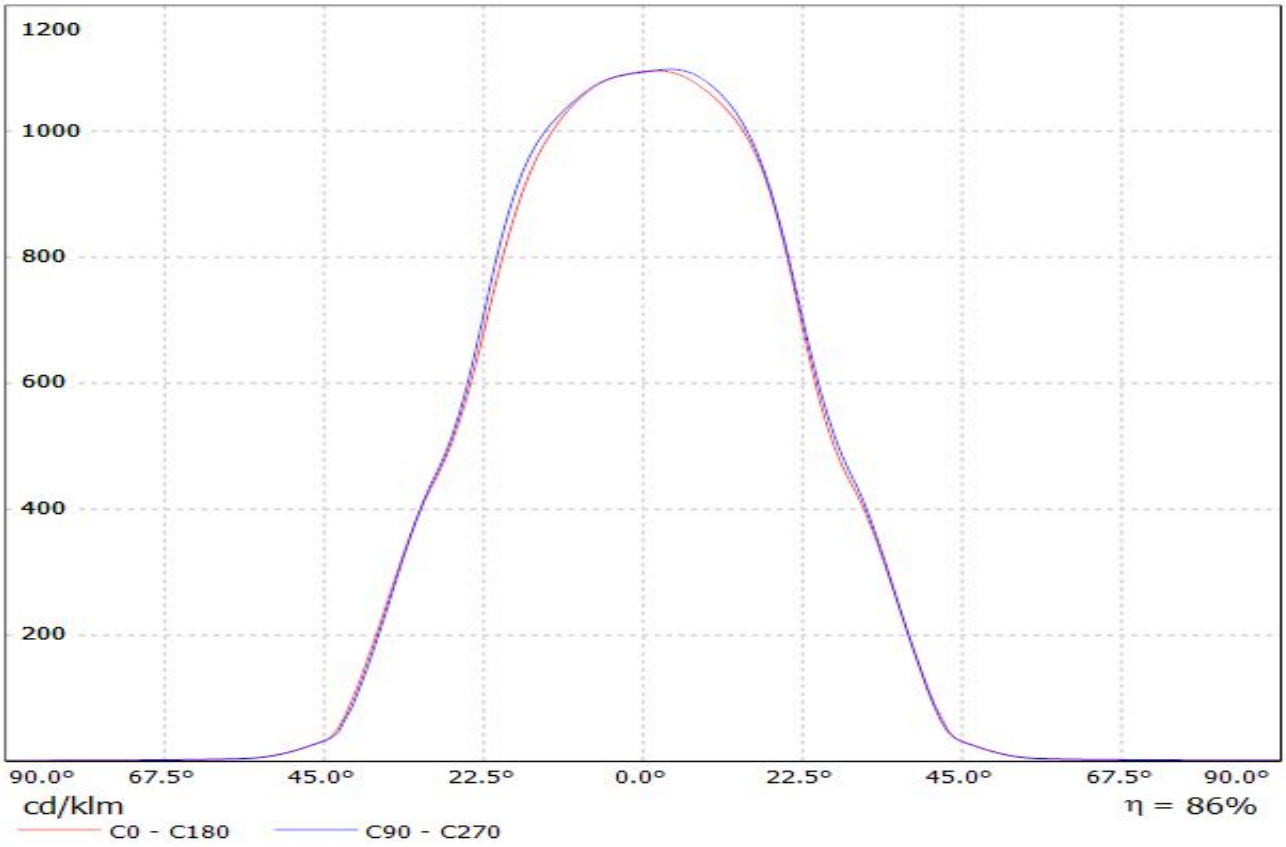
Luminaire: LEDiL Oy CN13345_LENINA-M_(CXA25) Eff.85.4%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



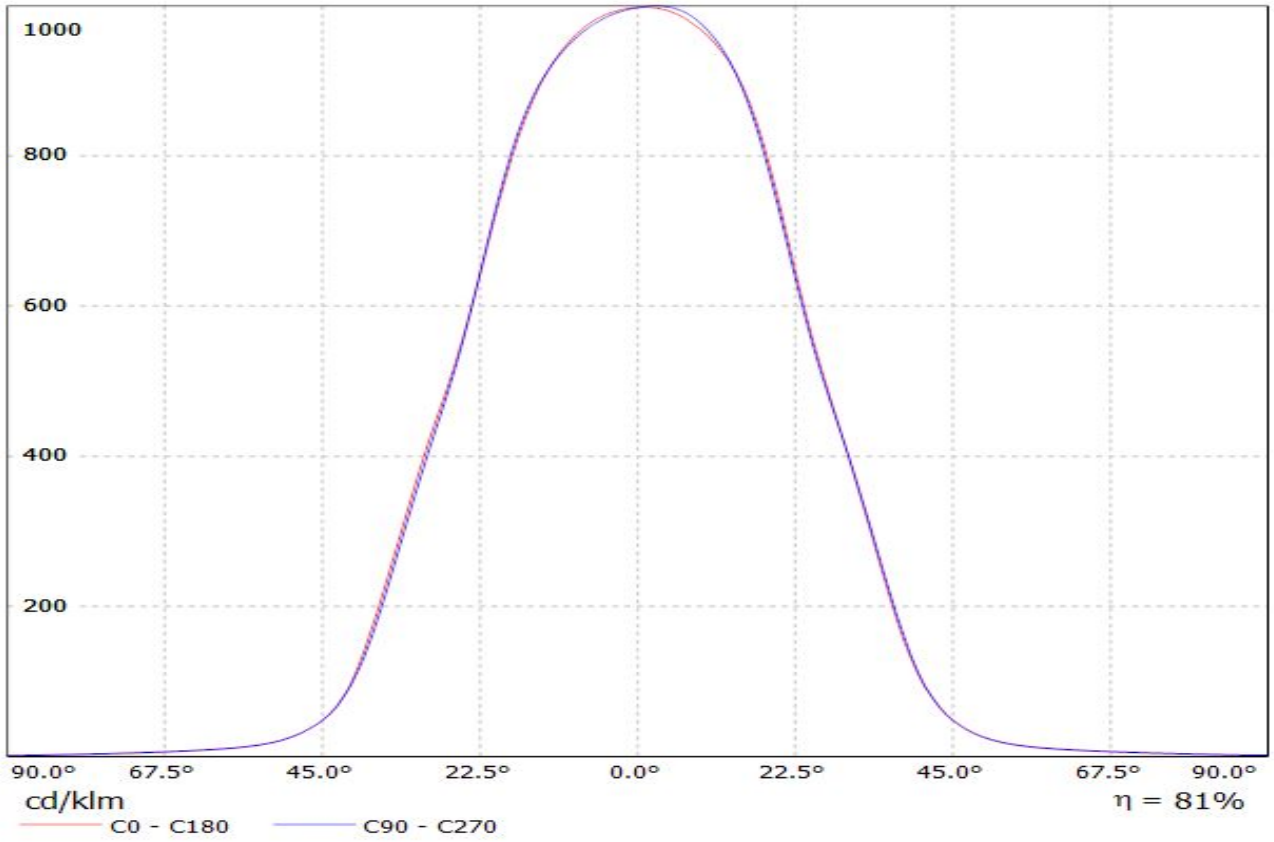
Luminaire: LEDiL Oy CN13348_LENINA-M-DL_(CXA25) Eff.80.3%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



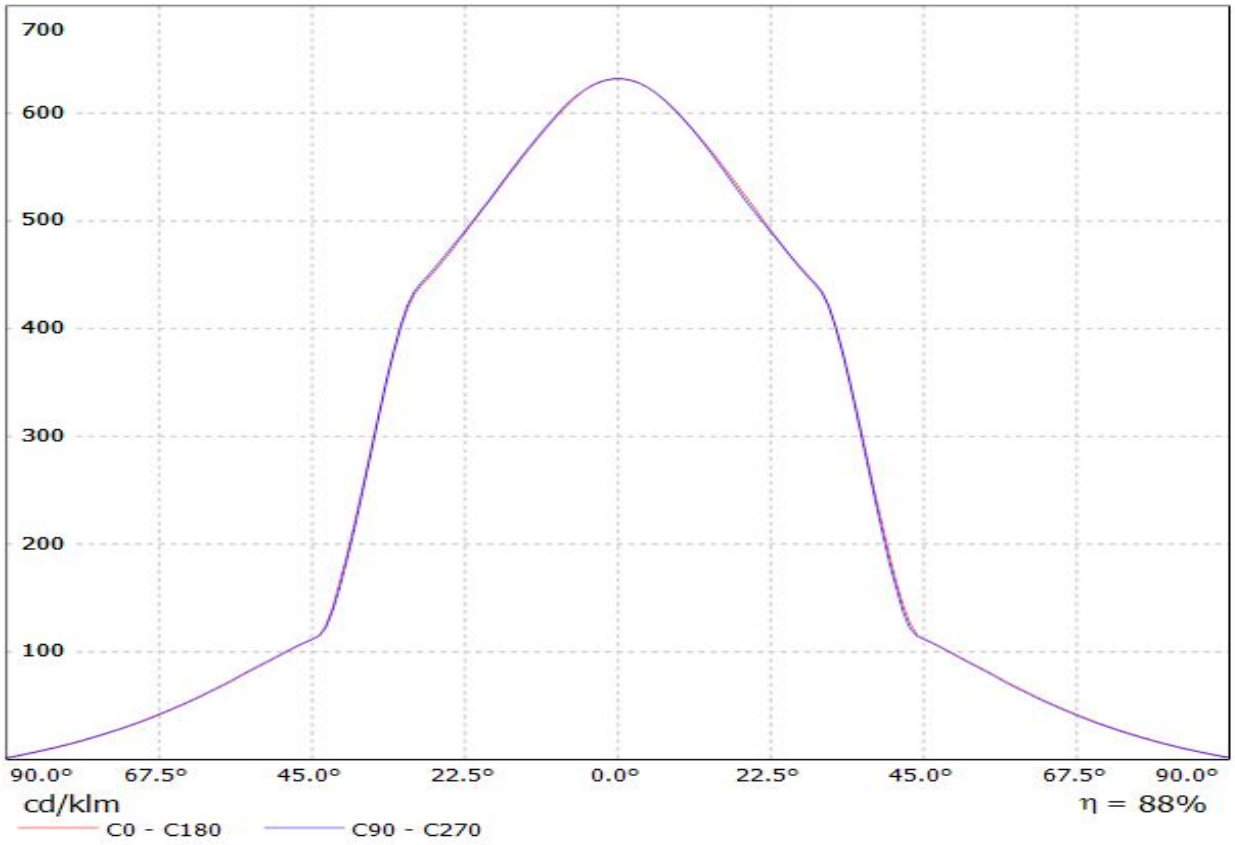
Luminaire: LEDiL Oy CN13346_LENINA-W_(CXA25) Eff.86.0%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



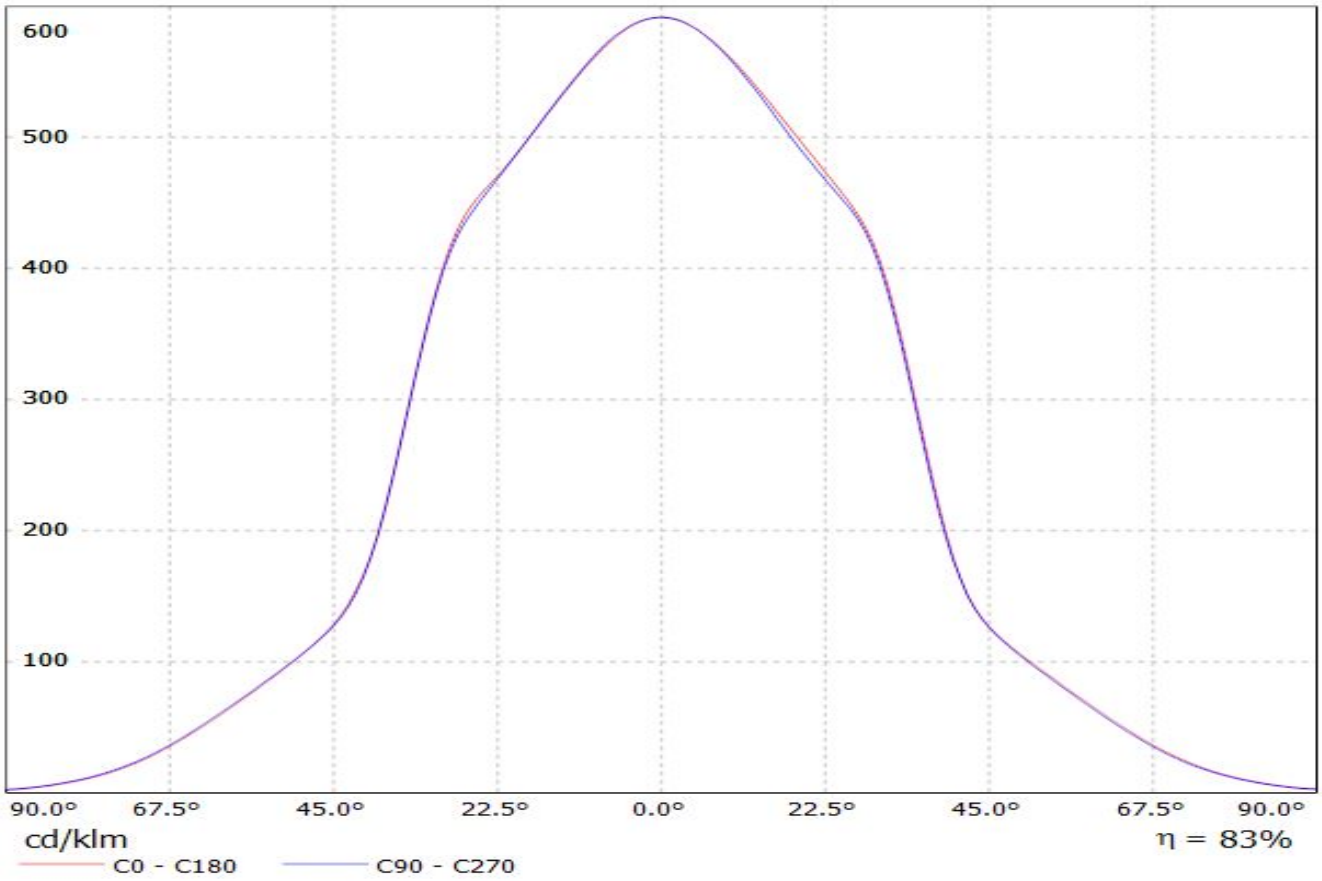
Luminaire: LEDiL Oy CN13349_LENINA-W-DL_(CXA25) Eff.81.4%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



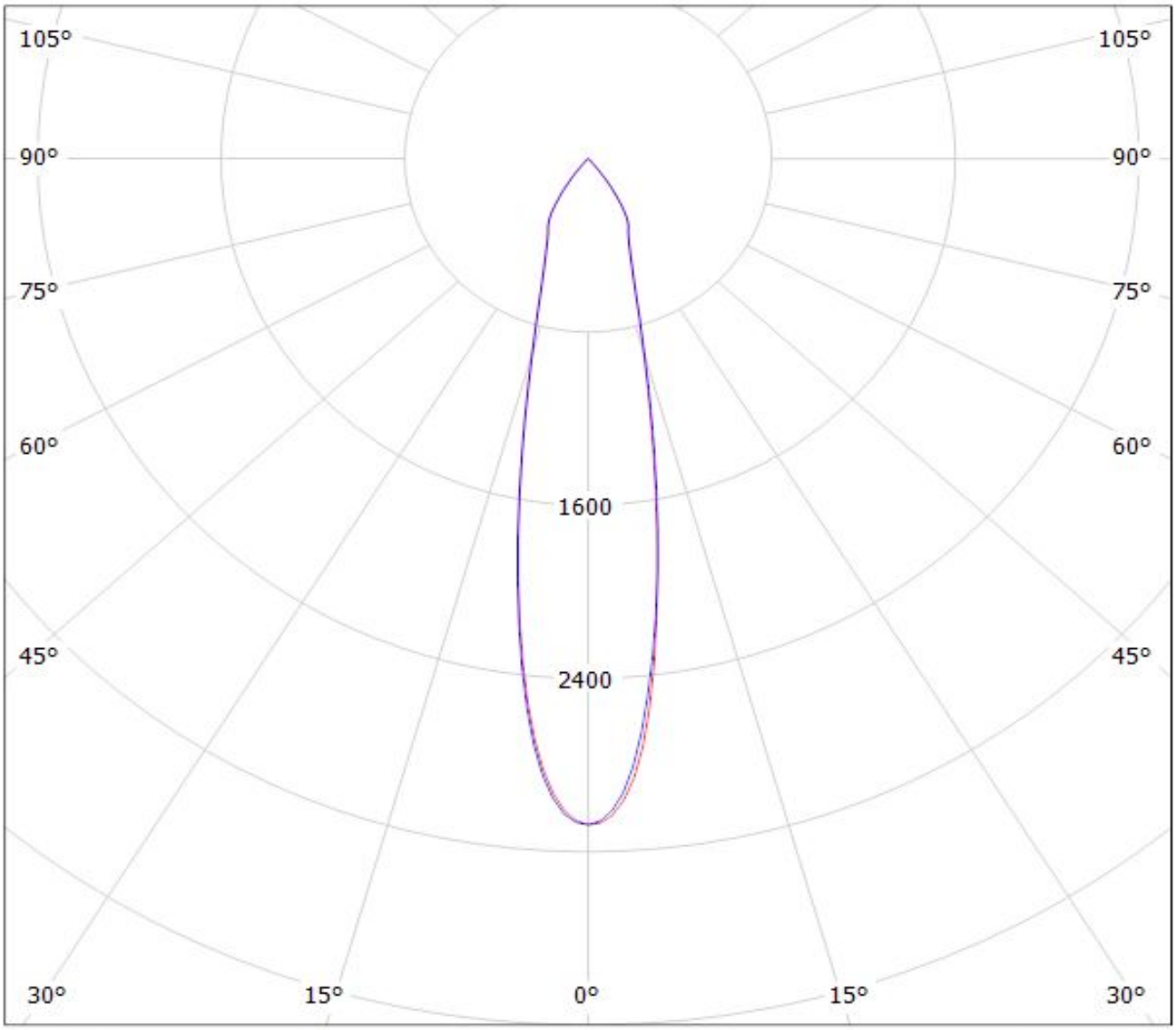
Luminaire: LEDiL Oy CN13351_LENINA-XW_(CXA25) Eff.87.5%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



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

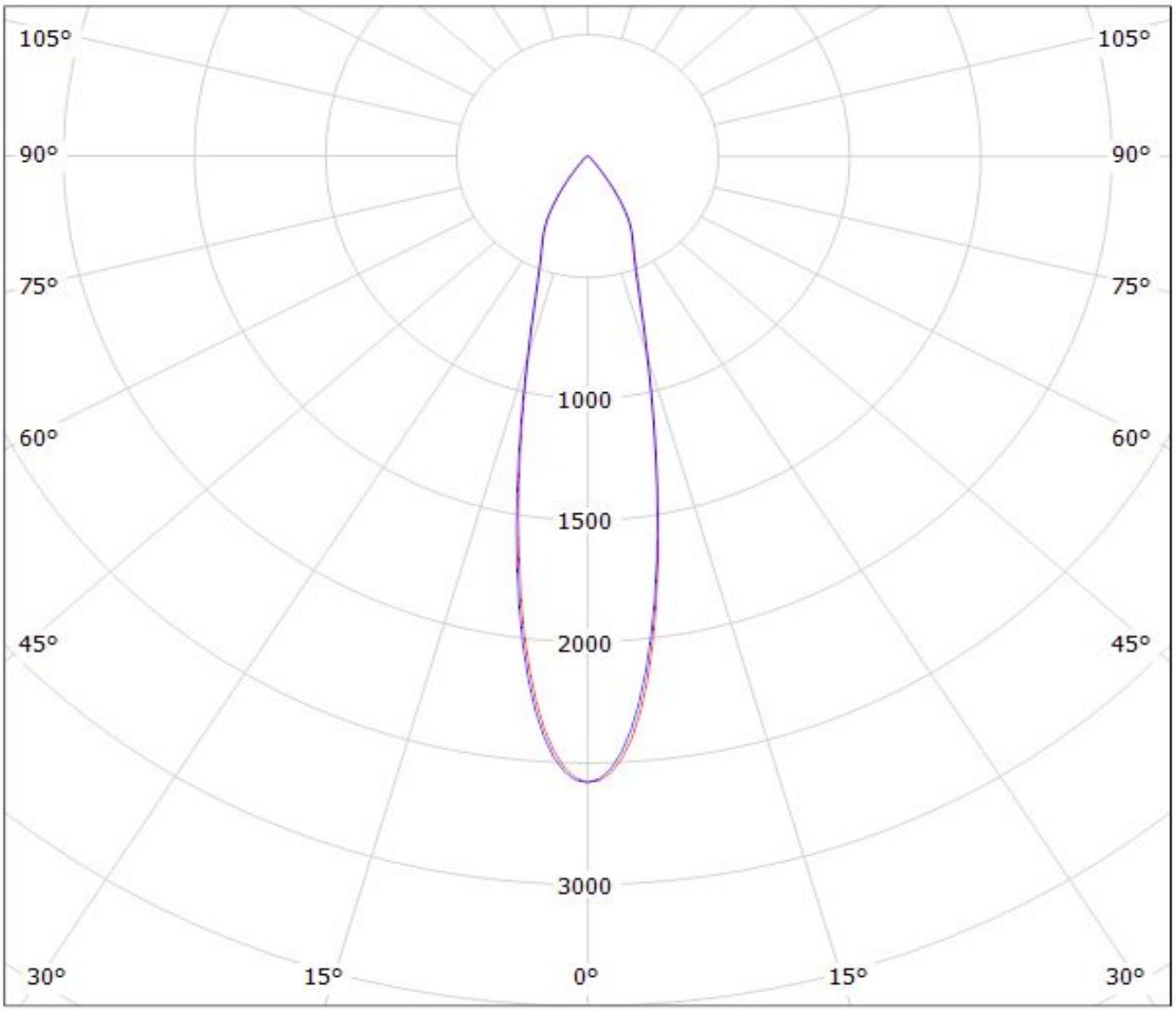


cd/klm

η = 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

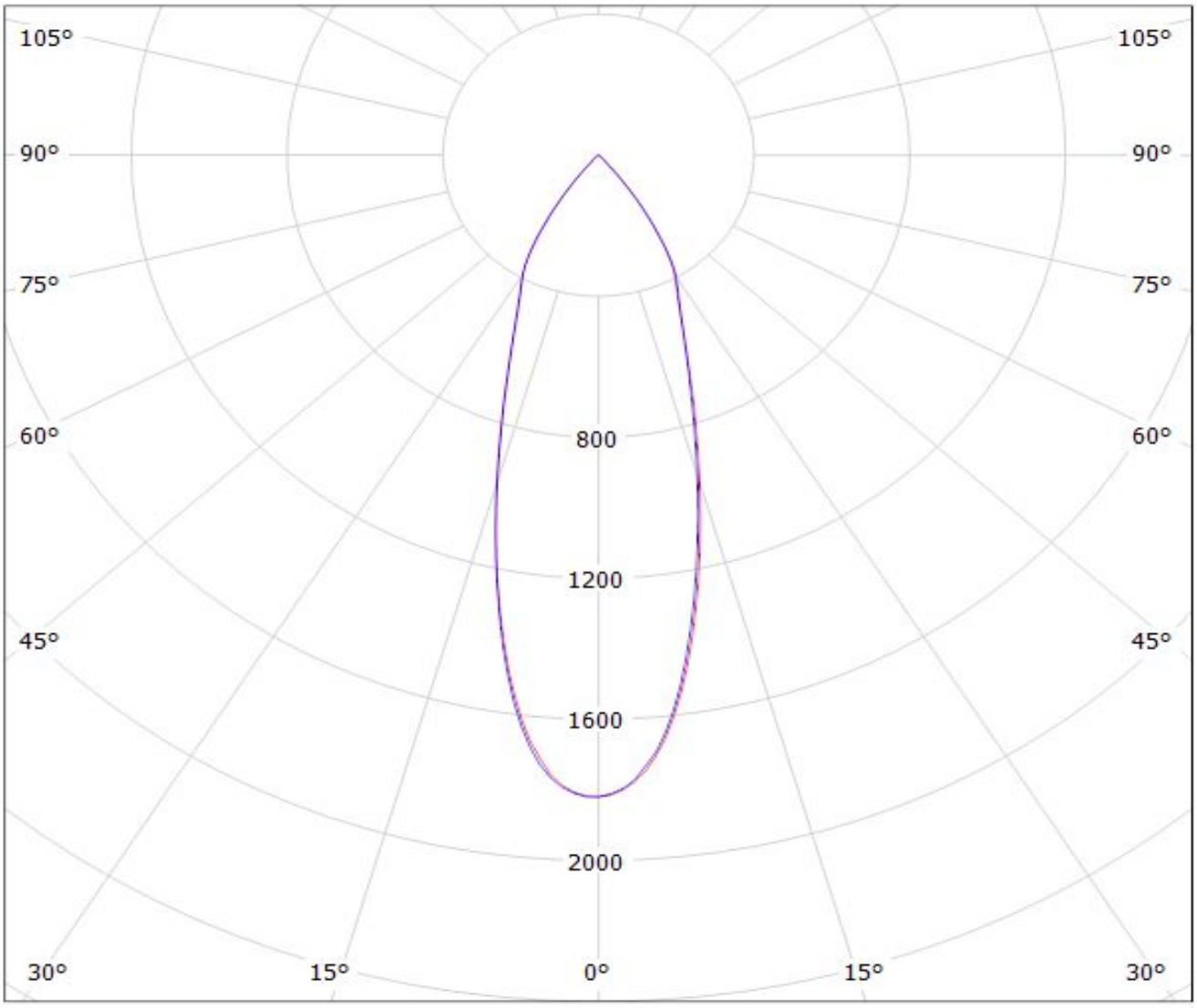


cd/klm

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

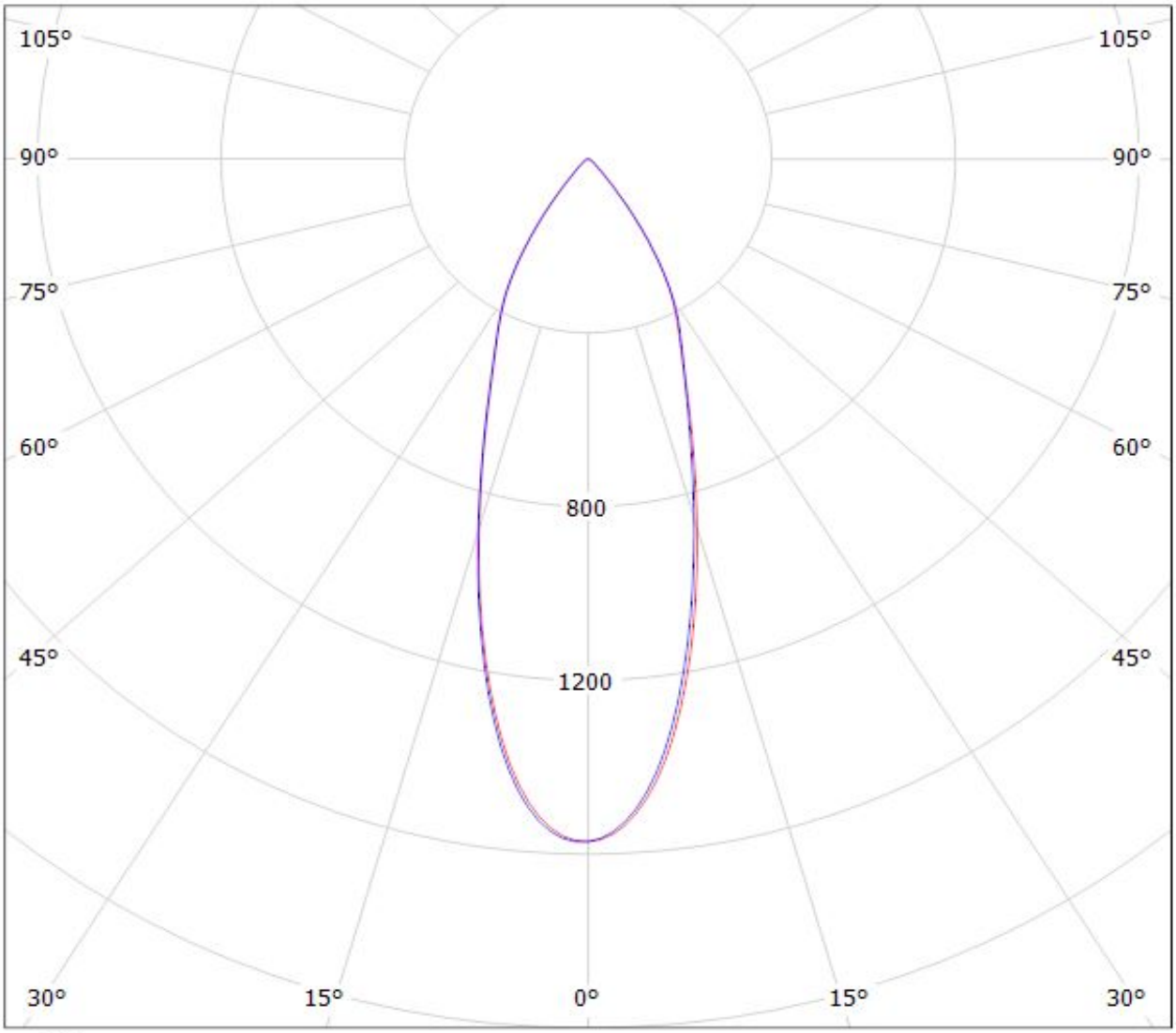


cd/klm

η = 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

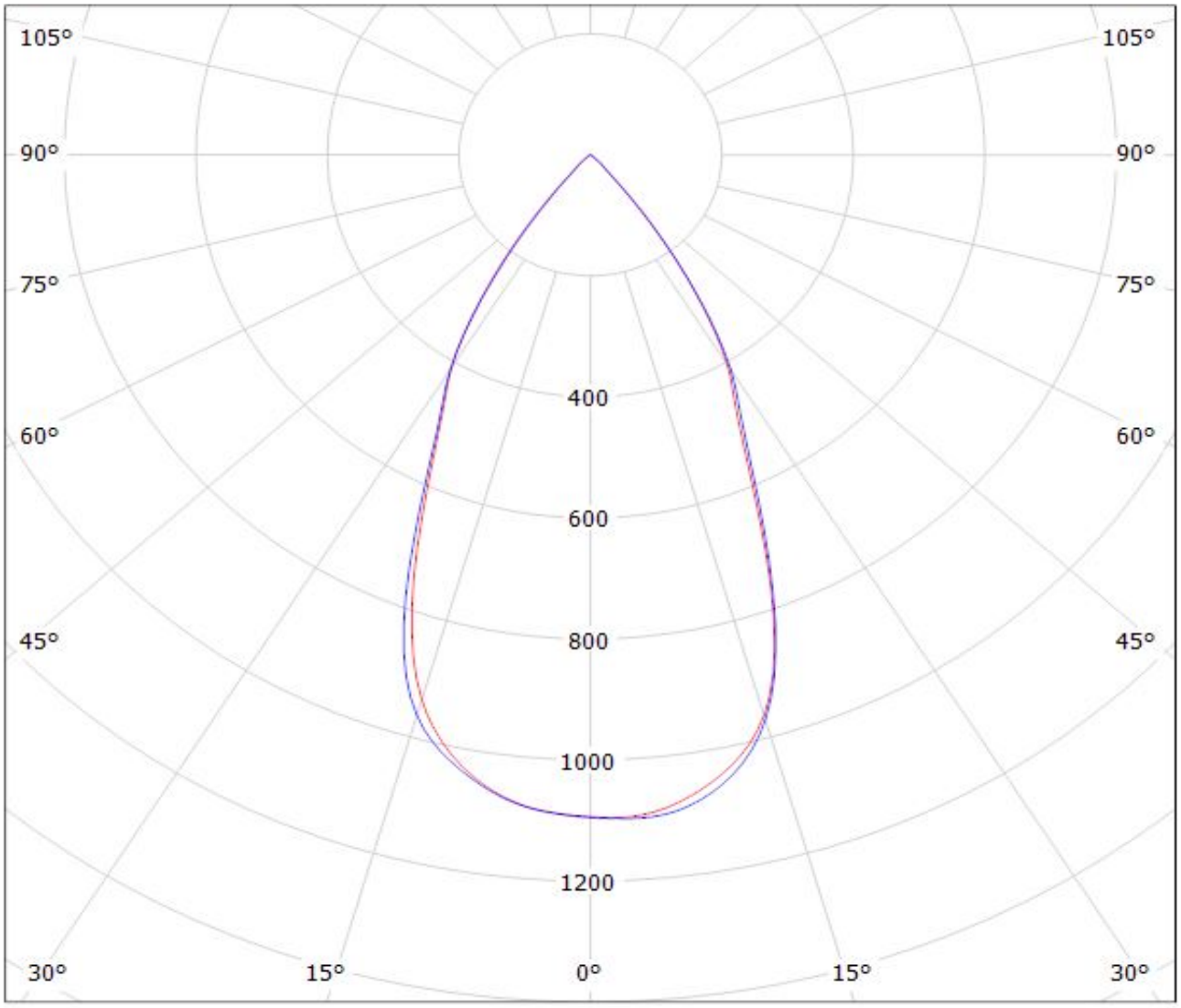


cd/klm

η = 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

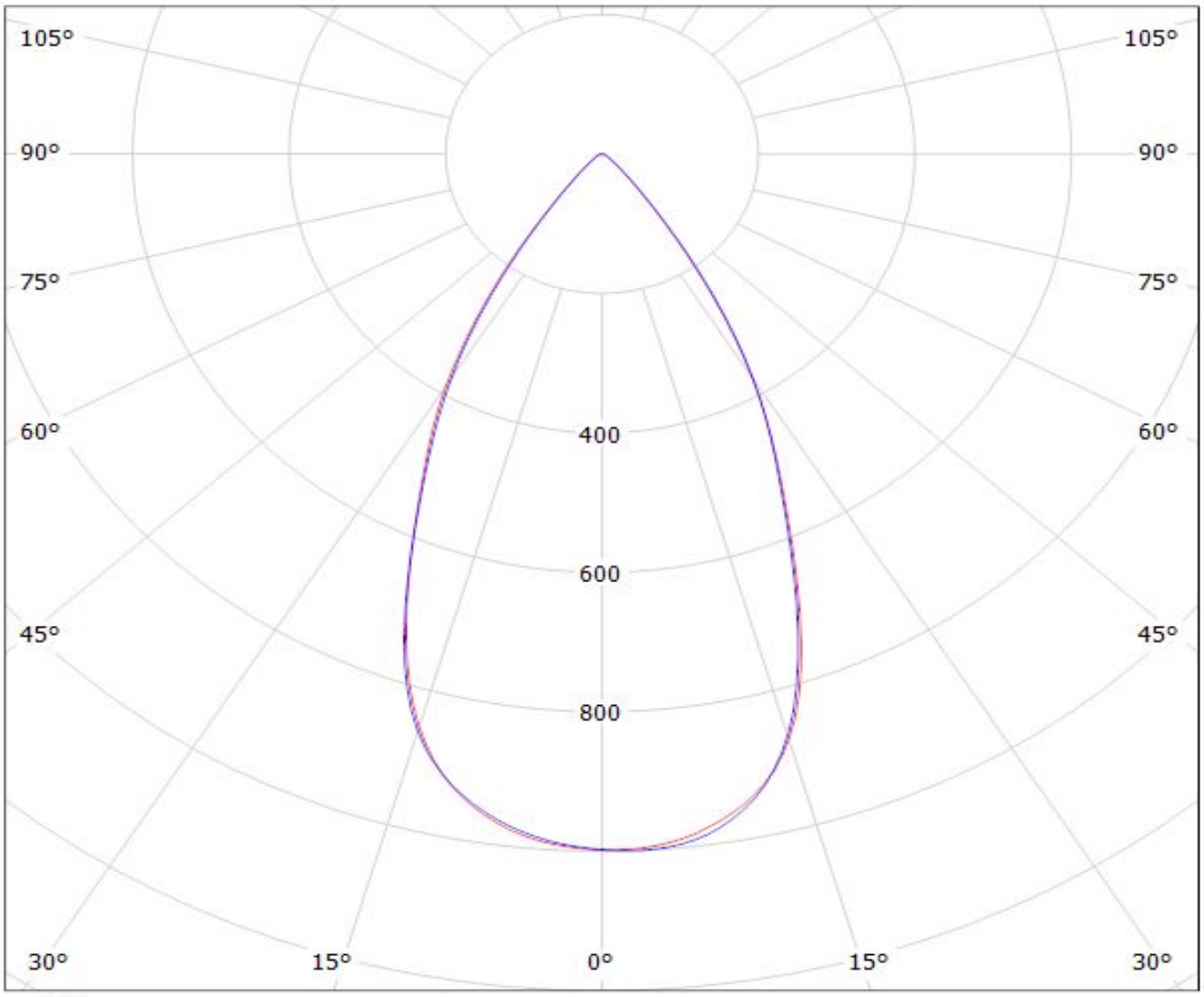


cd/klm

η = 86%

C0 - C180 C90 - C270

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

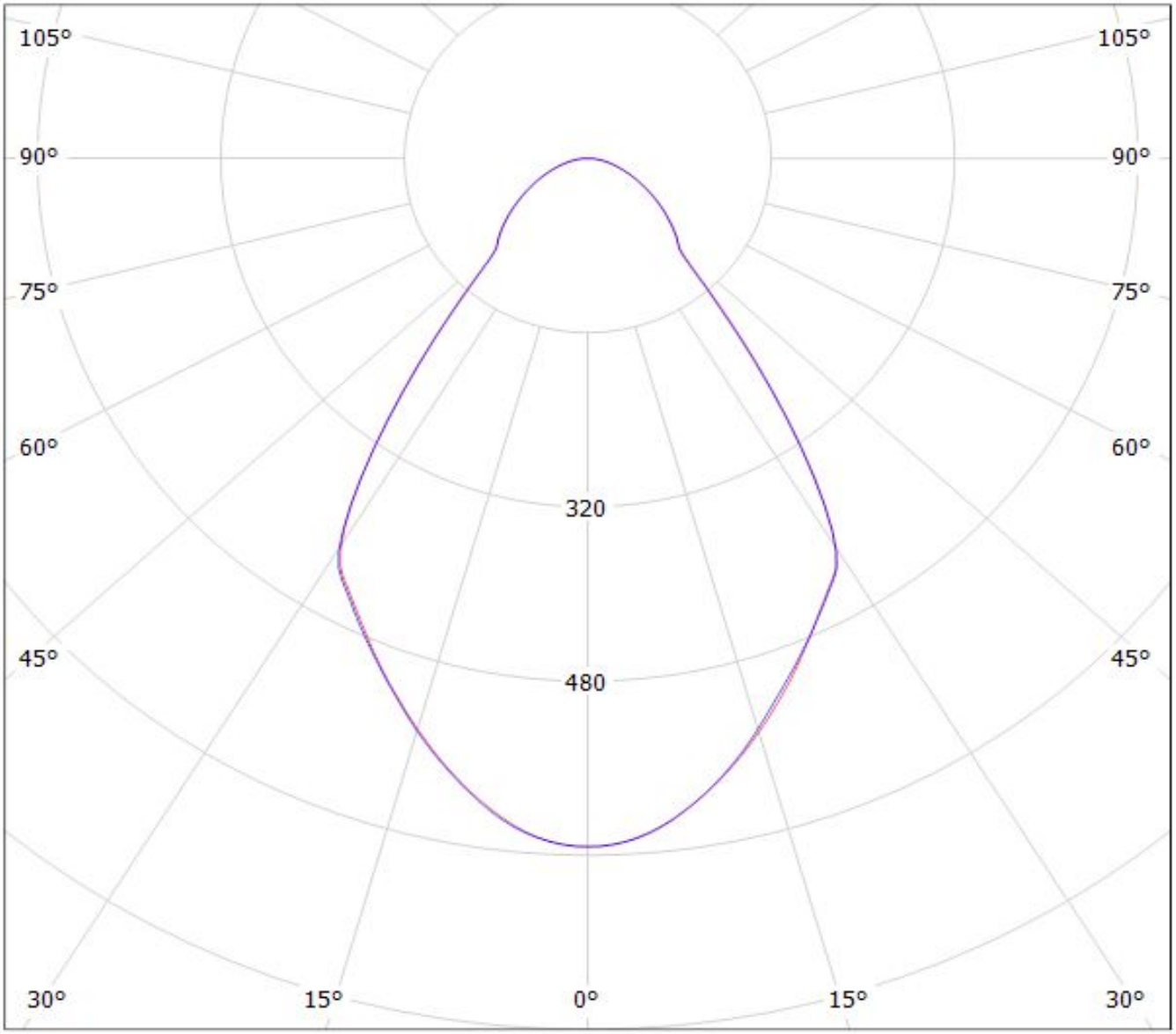


cd/klm

η = 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

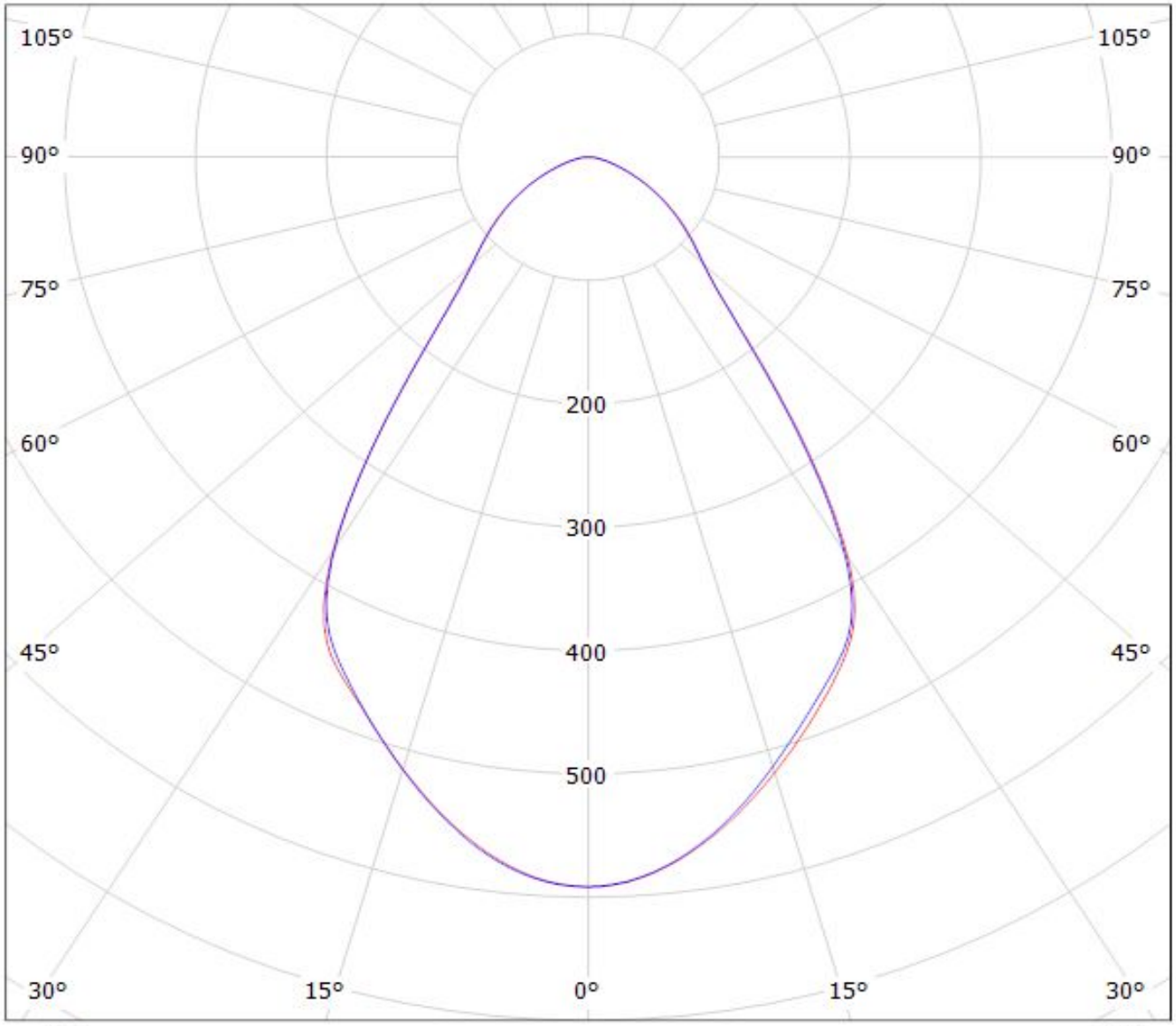


cd/klm

η = 88%

C0 - C180 C90 - C270

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

η = 83%

C0 - C180 C90 - C270