

**Ordering number C12095_MINNIE-M**

Family	Minnie	FWHM	18 degrees
Type	Reflector	Efficiency	91 %
LED	NSMx286M	cd/lm	3.750
Color	Metal	Gerber File	Available
Diameter	32.4 mm		
Height	14.75 mm		
Style	Round		Version without holder, correct mounting height from the PCB 1
Optic Material	PC		
Holder Material	-		
Fastening	Glue		
Status	On production		

Ordering number C11862_MINNIE-W

Family	Minnie	FWHM	36 degrees
Type	Reflector	Efficiency	89 %
LED	NSMx286M	cd/lm	1.710
Color	Metal	Gerber File	Available
Diameter	32.4 mm		
Height	14.75 mm		
Style	Round		Version without holder, correct mounting height from the PCB 1
Optic Material	PC		
Holder Material	-		
Fastening	Glue		
Status	On production		

Ordering number C12097_MINNIE-WWW

Family	Minnie	FWHM	52 degrees
Type	Reflector	Efficiency	90 %
LED	NSMx286M	cd/lm	1.050
Color	Metal	Gerber File	Available
Diameter	32.4 mm		
Height	14.75 mm		
Style	Round		Version without holder, correct mounting height from the PCB 1
Optic Material	PC		
Holder Material	-		
Fastening	Glue		
Status	On production		

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

Minnie series

last update 4/6/2013



GENERAL INFORMATION

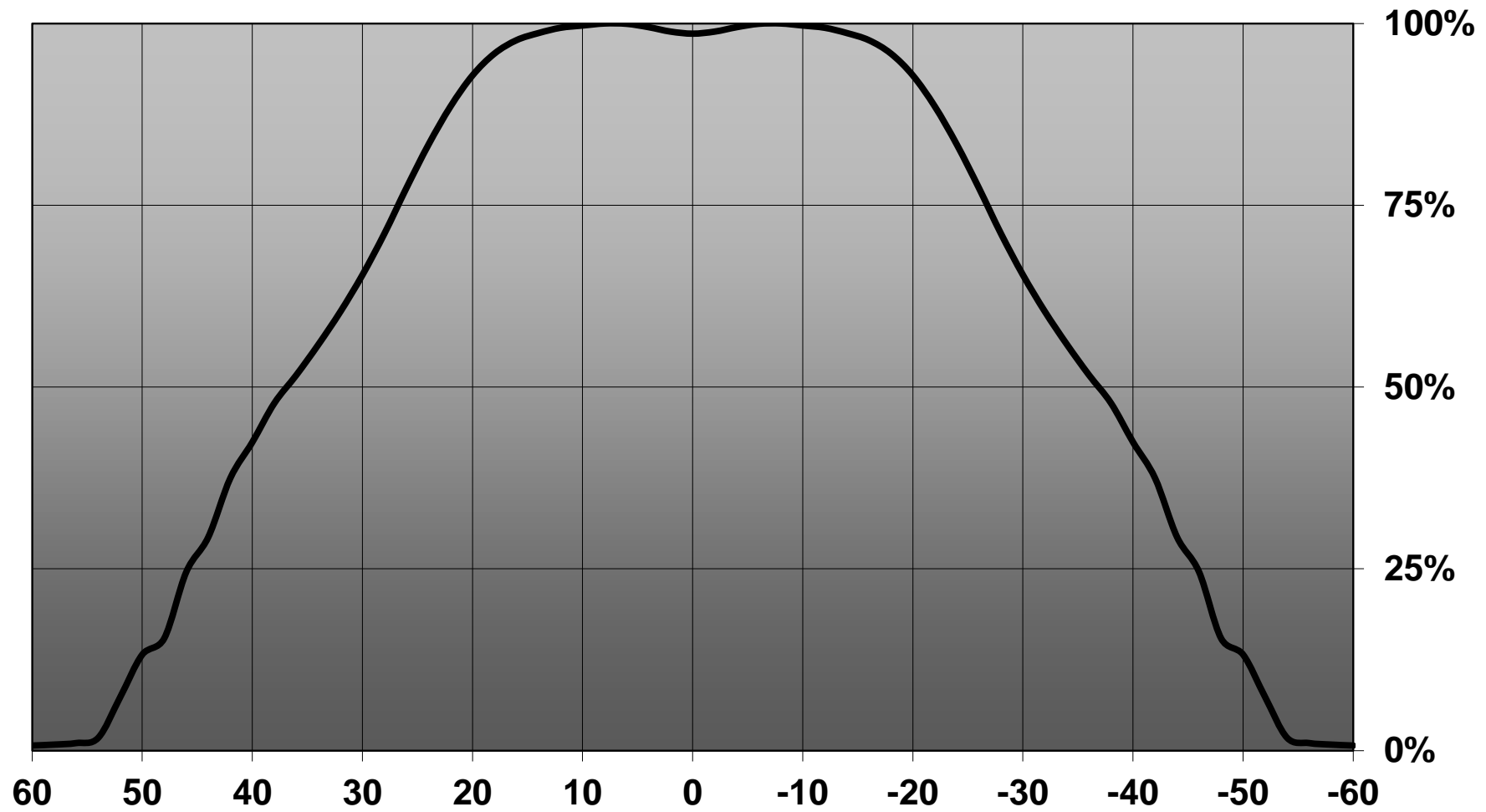
- Product series especially designed & optimized for NSMx286M series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

Relative intensity of CA12240_Minnie-WWW-MTG-assy



D

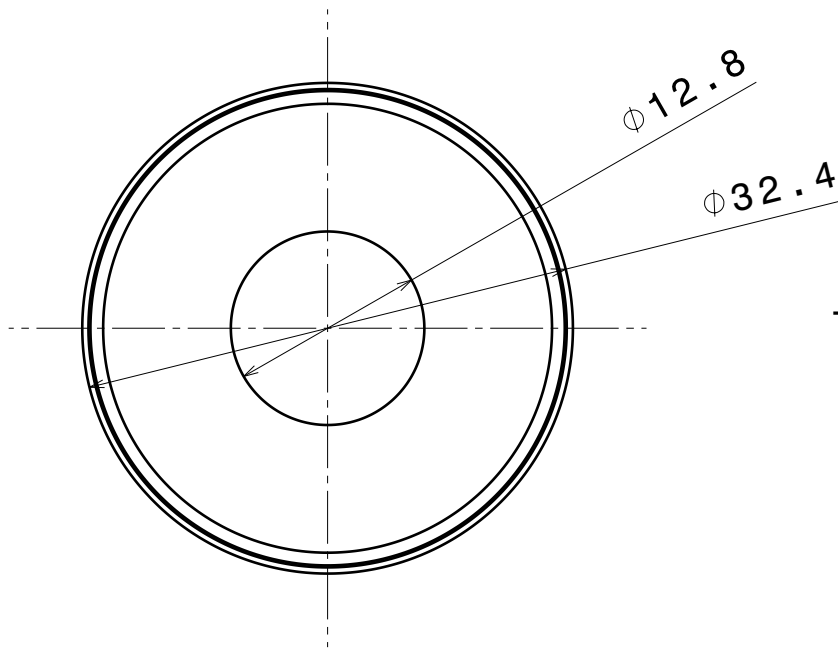
C

B

A

4

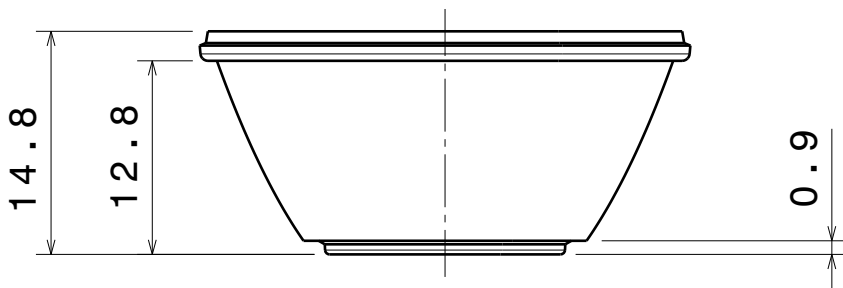
4



Top view

3

3



Front view

2

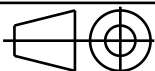
2

Version without holder,
correct mounting height from the PCB 1,0 mm

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

Datasheet Minnie

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

2:1

WEIGHT

(g)

SHEET

1/1

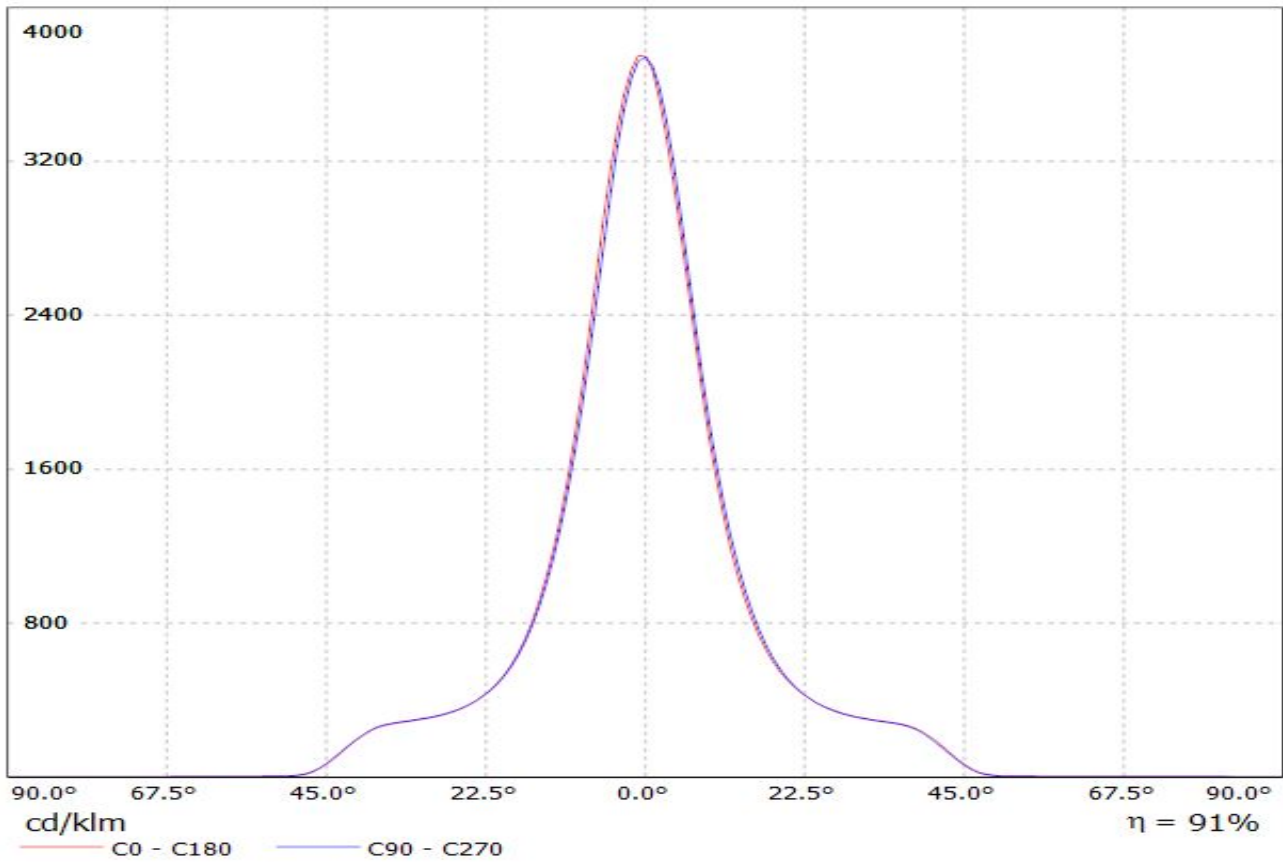
D

A

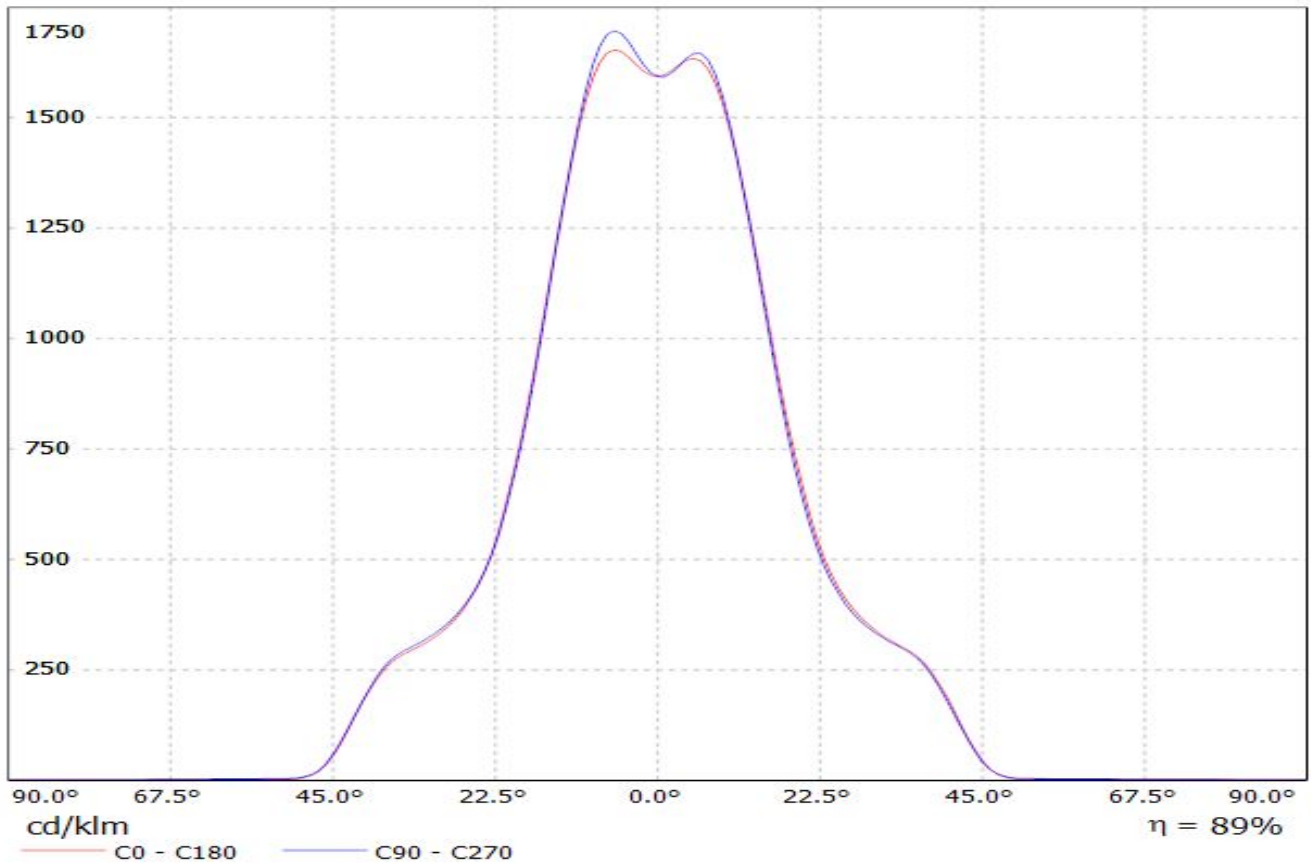
1

1

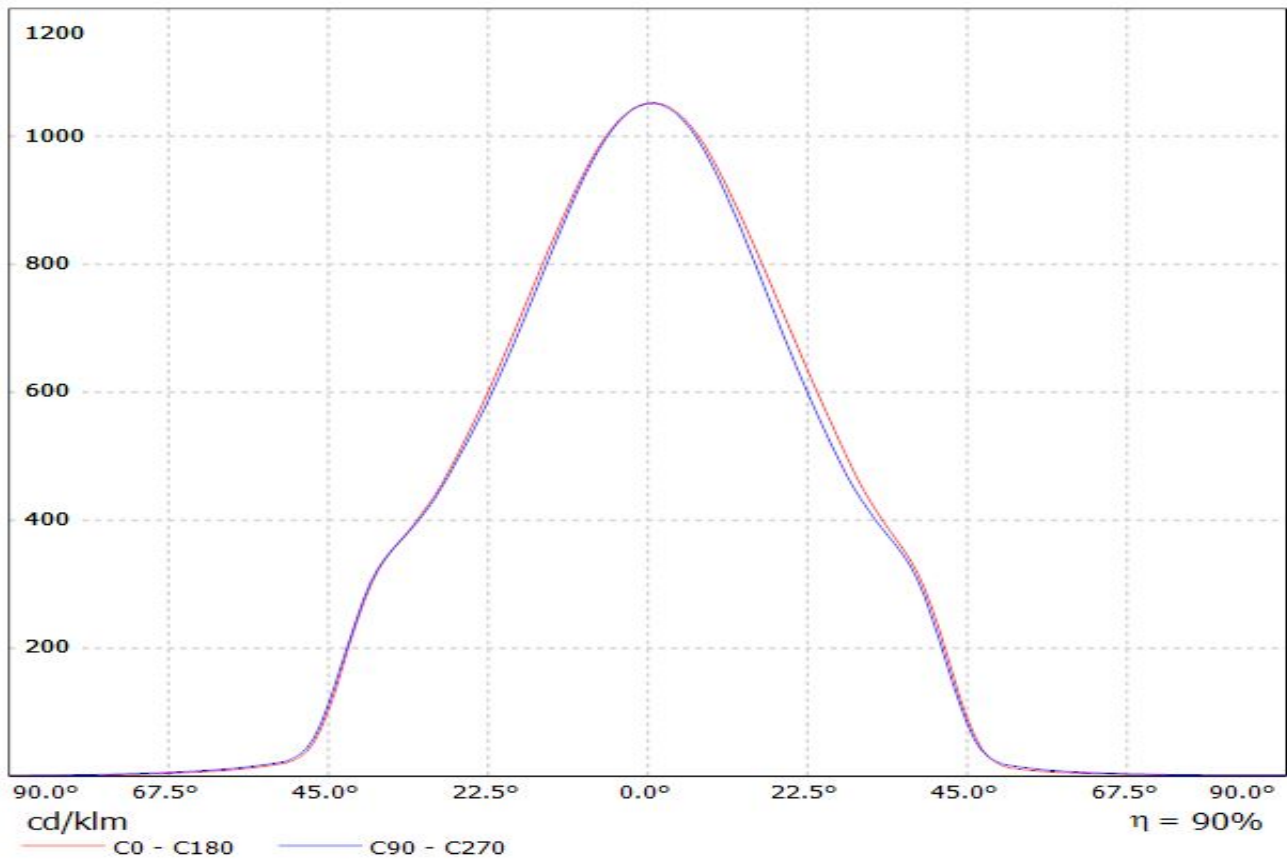
Luminaire: LEDiL Oy C12095_MINNIE-M_(NSMx286M) Eff.90.9%
Lamps: 1 x Nichia NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



Luminaire: LEDiL Oy C11862_MINNIE-W_(NSMx286M) Eff.89.2%
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA

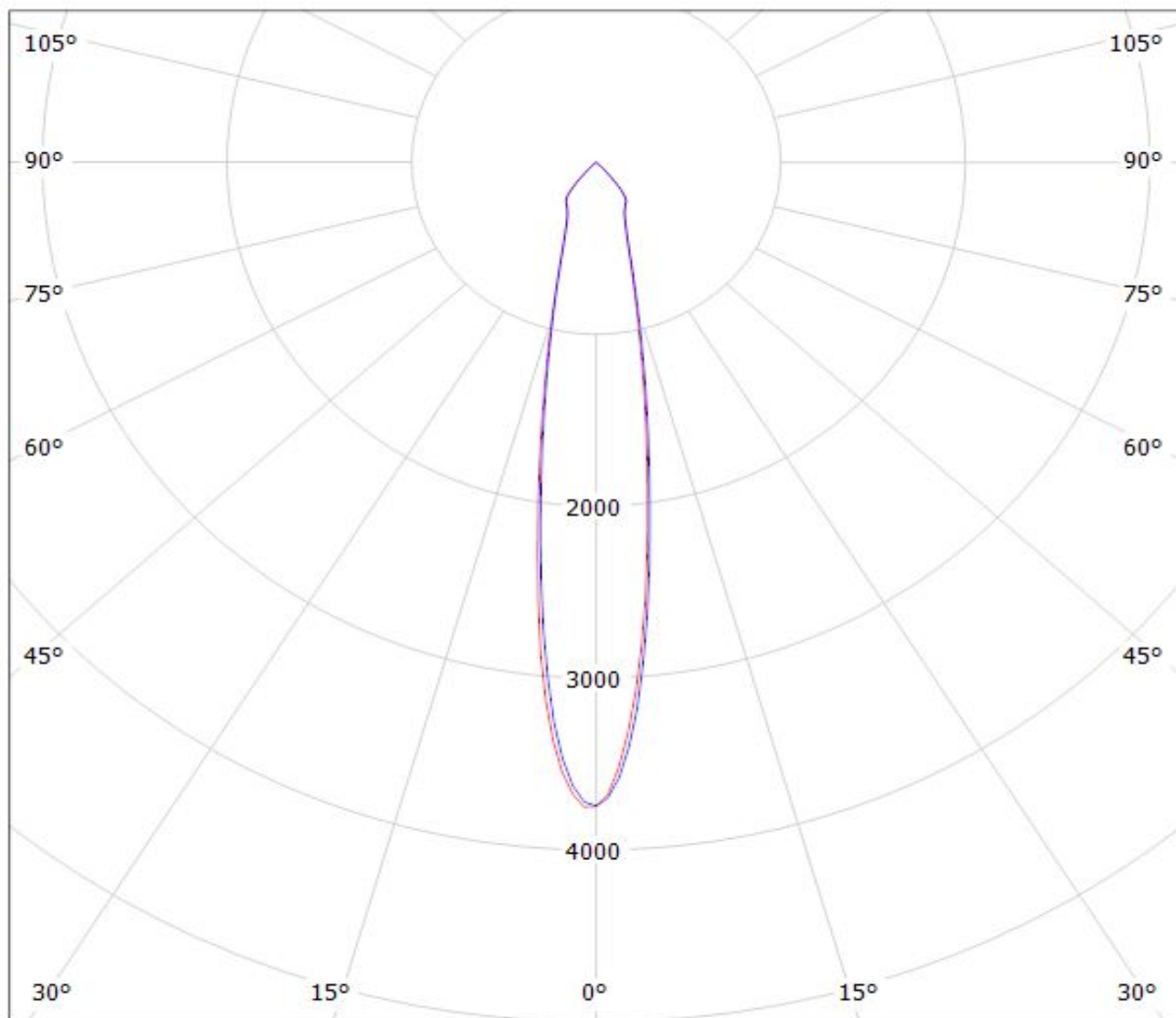


Luminaire: LEDiL Oy C12097_MINNIE-WWW_(NSMx286M) Eff.90.1%
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



Luminaire: LEDiL Oy C12095_MINNIE-M_(NSMx286M) Eff.90.9%

Lamps: 1 x Nichia NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



cd/klm

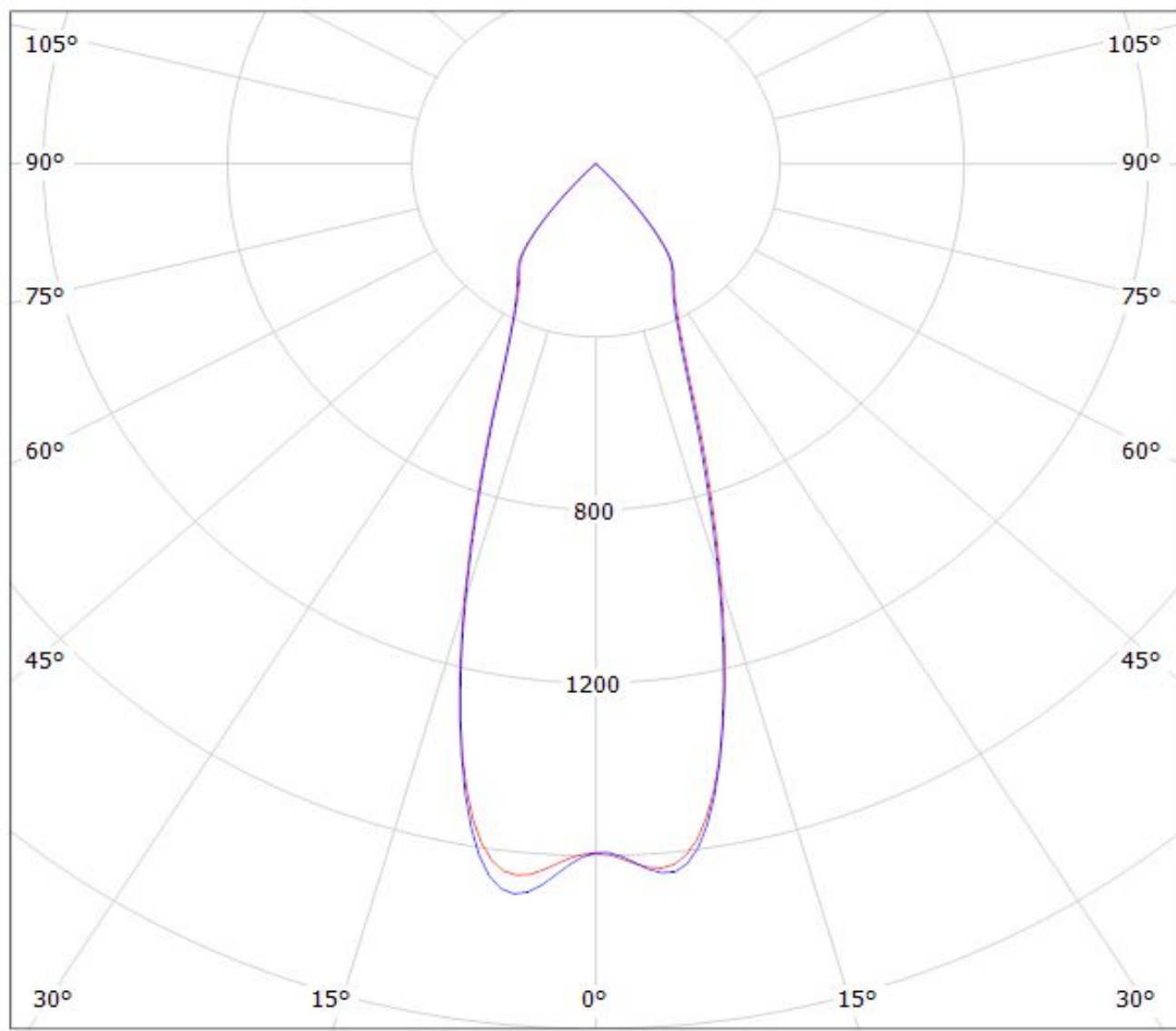
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy C11862_MINNIE-W_(NSMx286M) Eff.89.2%

Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



cd/klm

$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C12097_MINNIE-WWW_(NSMx286M) Eff.90.1%
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA

