

PRODUCT DATASHEET

Mira series

last update 26/6/2015

**Product number C12500_MIRA-M**

Family	Mira	FWHM	27 degrees
Type	Lens	Efficiency	83 %
LED	XHP70	cd/lm	2.200
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

**Product number CA12878_MIRA-M**

Family	Mira	FWHM	27 degrees
Type	Assembly	Efficiency	83 %
LED	XHP70	cd/lm	2.200
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number C12501_MIRA-W**

Family	Mira	FWHM	42 degrees
Type	Lens	Efficiency	80 %
LED	XHP70	cd/lm	1.200
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

**Product number CA12879_MIRA-W**

Family	Mira	FWHM	42 degrees
Type	Assembly	Efficiency	80 %
LED	XHP70	cd/lm	1.200
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

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**Product number C12502_MIRA-WW**

Family	Mira	FWHM	61 degrees
Type	Lens	Efficiency	82 %
LED	XHP70	cd/lm	0.760
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Product number CA12880_MIRA-WW

Family	Mira	FWHM	61 degrees
Type	Assembly	Efficiency	82 %
LED	XHP70	cd/lm	0.760
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

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.



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GENERAL INFORMATION

- Product series especially designed & optimized for XHP70 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 (100 degrees of Celcius / 212 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

D

C

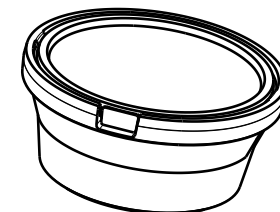
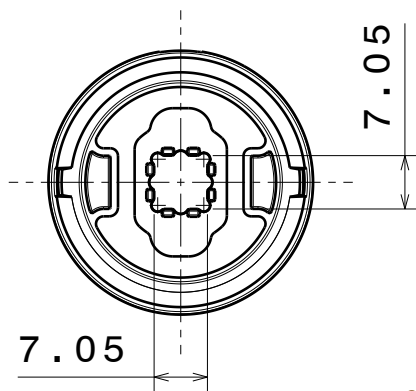
B

A

4

4

Bottom view

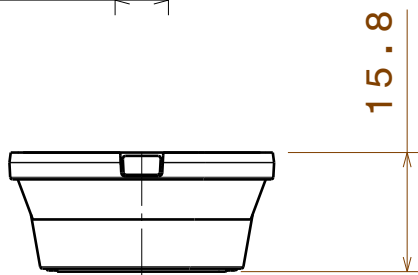


Isometric view

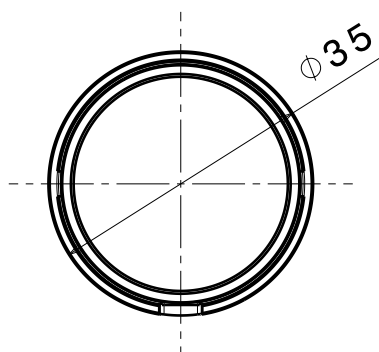
3

3

Front view



Top view



2

2

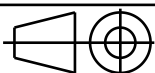
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	MIRA_LUXEON-M_ASSEMBLY	Lens and holder PC, Tape PU foam	

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

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

MIRA_LUXEON-M_ASSEMBLY

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agreement with LEDiL Oy."

SIZE PART NUMBER

A4

-

SCALE 1:1 WEIGHT

-

SHEET 1/1

D

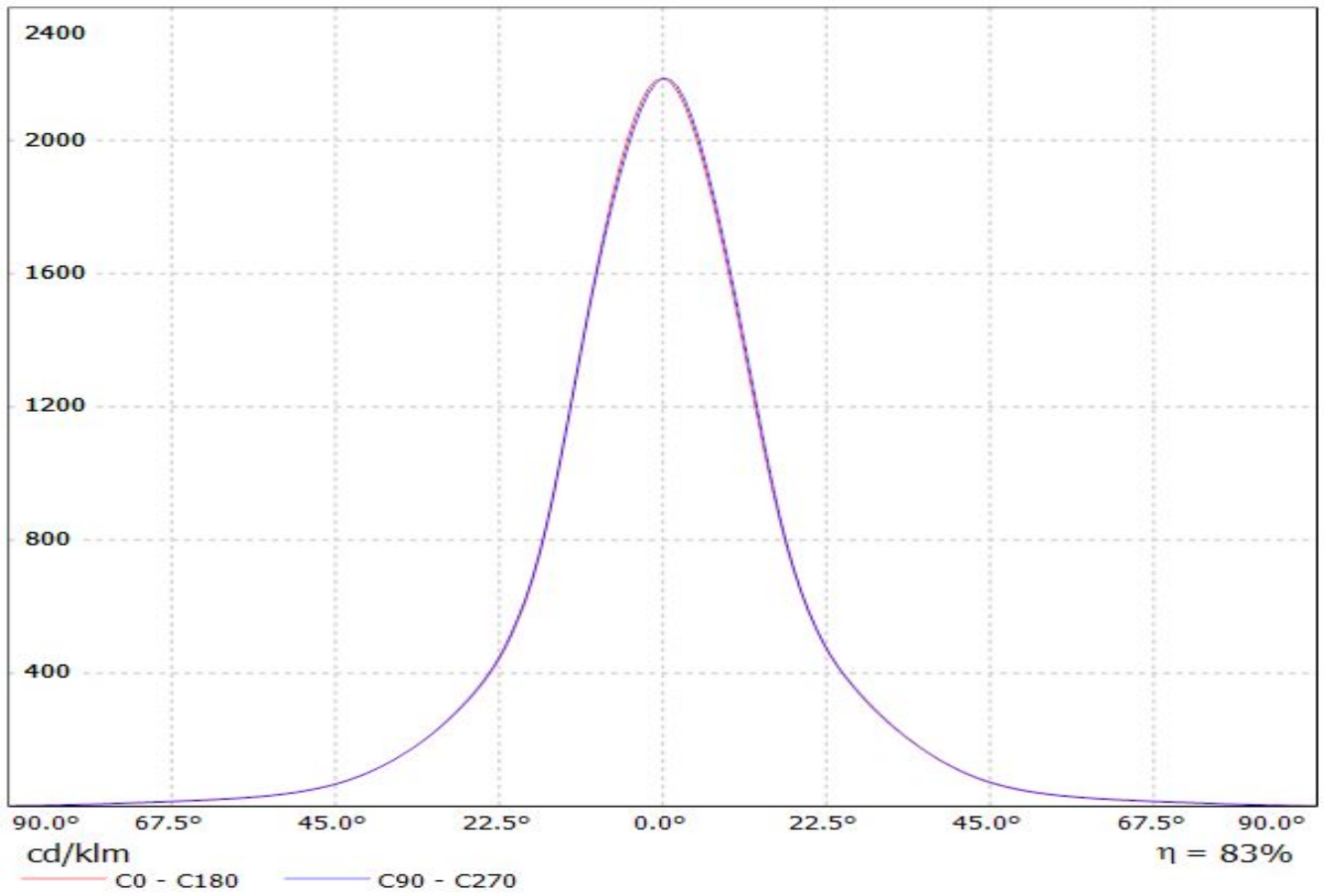
A

1

1

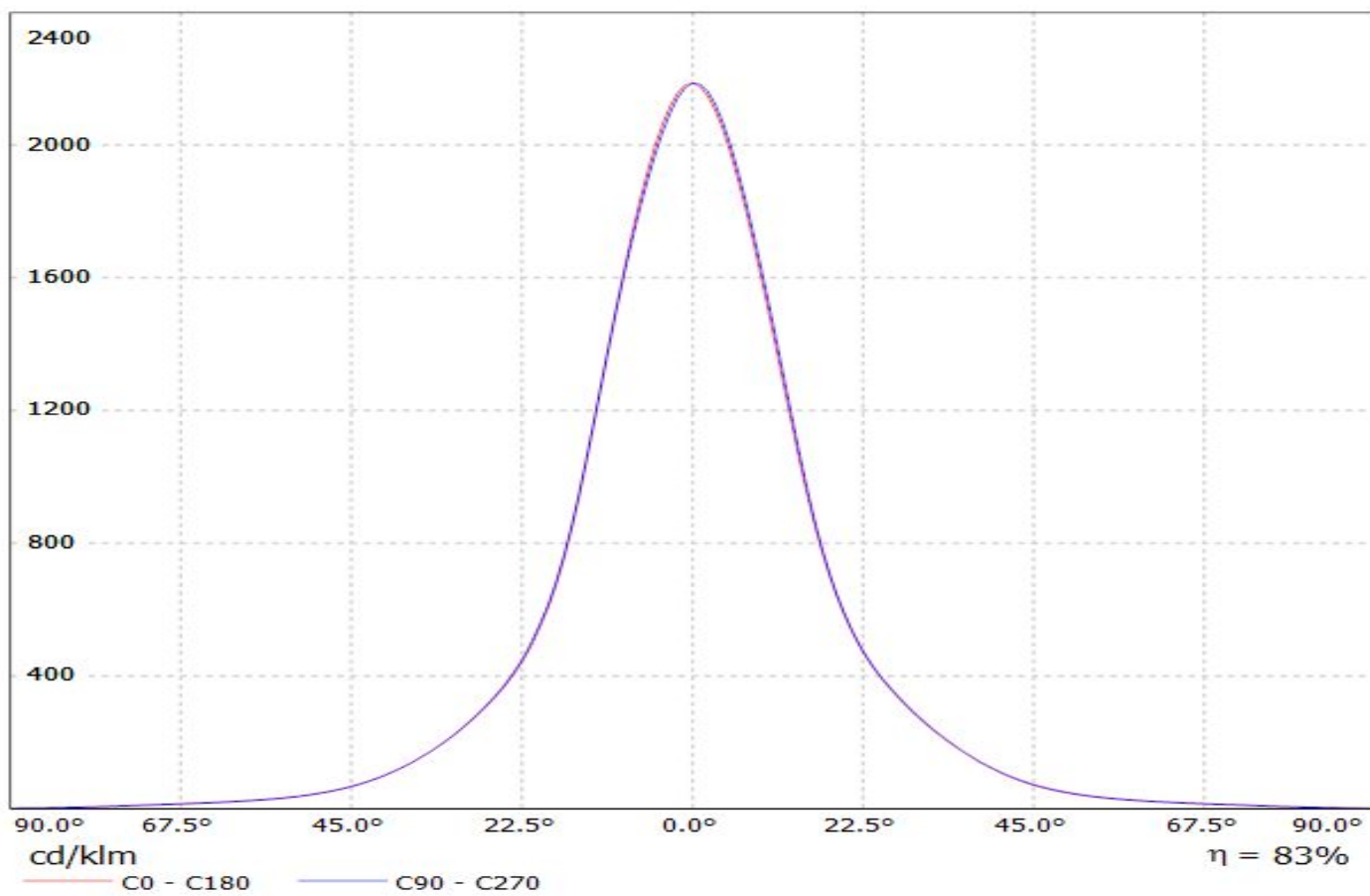
Luminaire: LEDiL Oy C12500_MIRA-M_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA

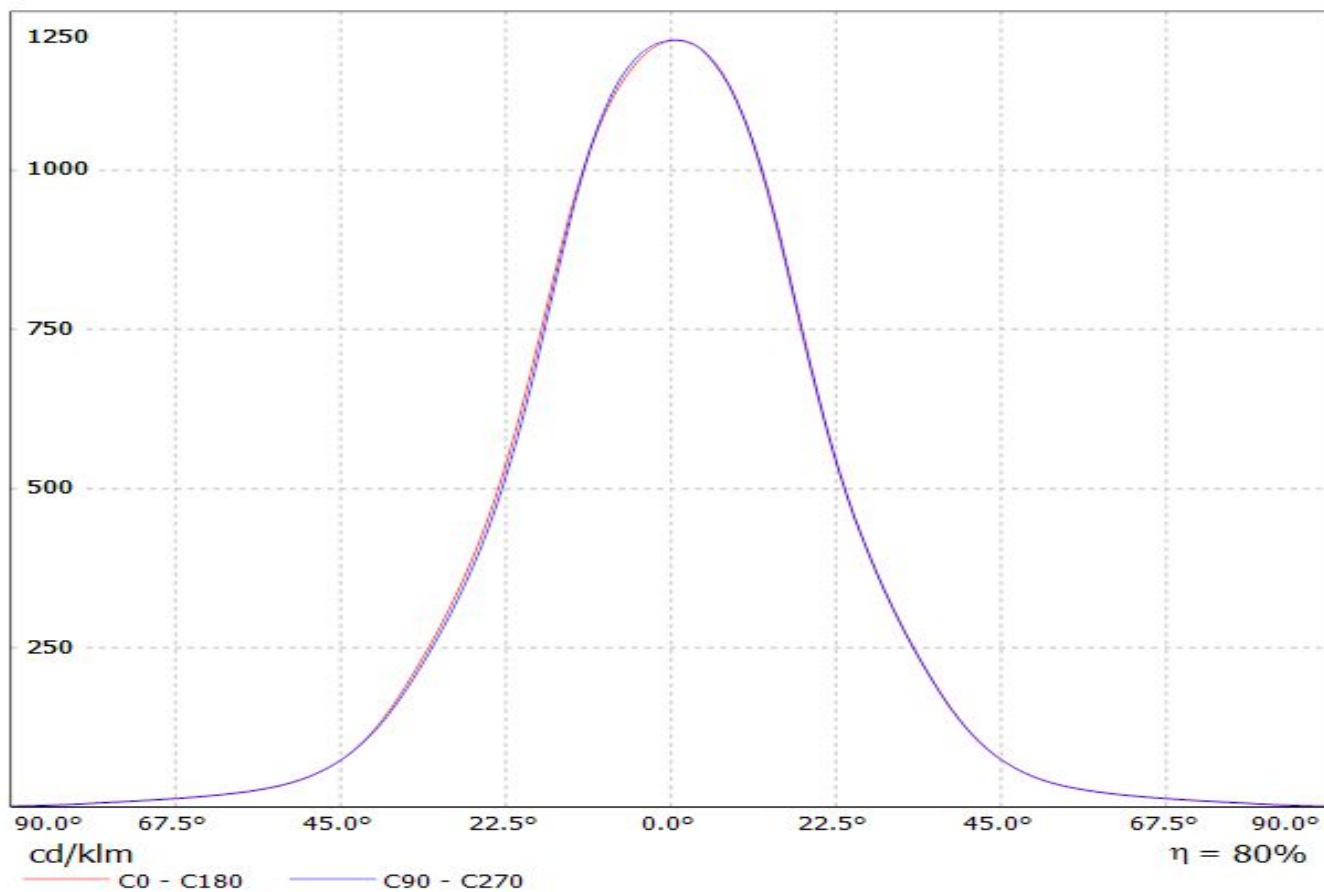


Luminaire: LEDiL Oy CA12878_MIRA-M_(XHP70)

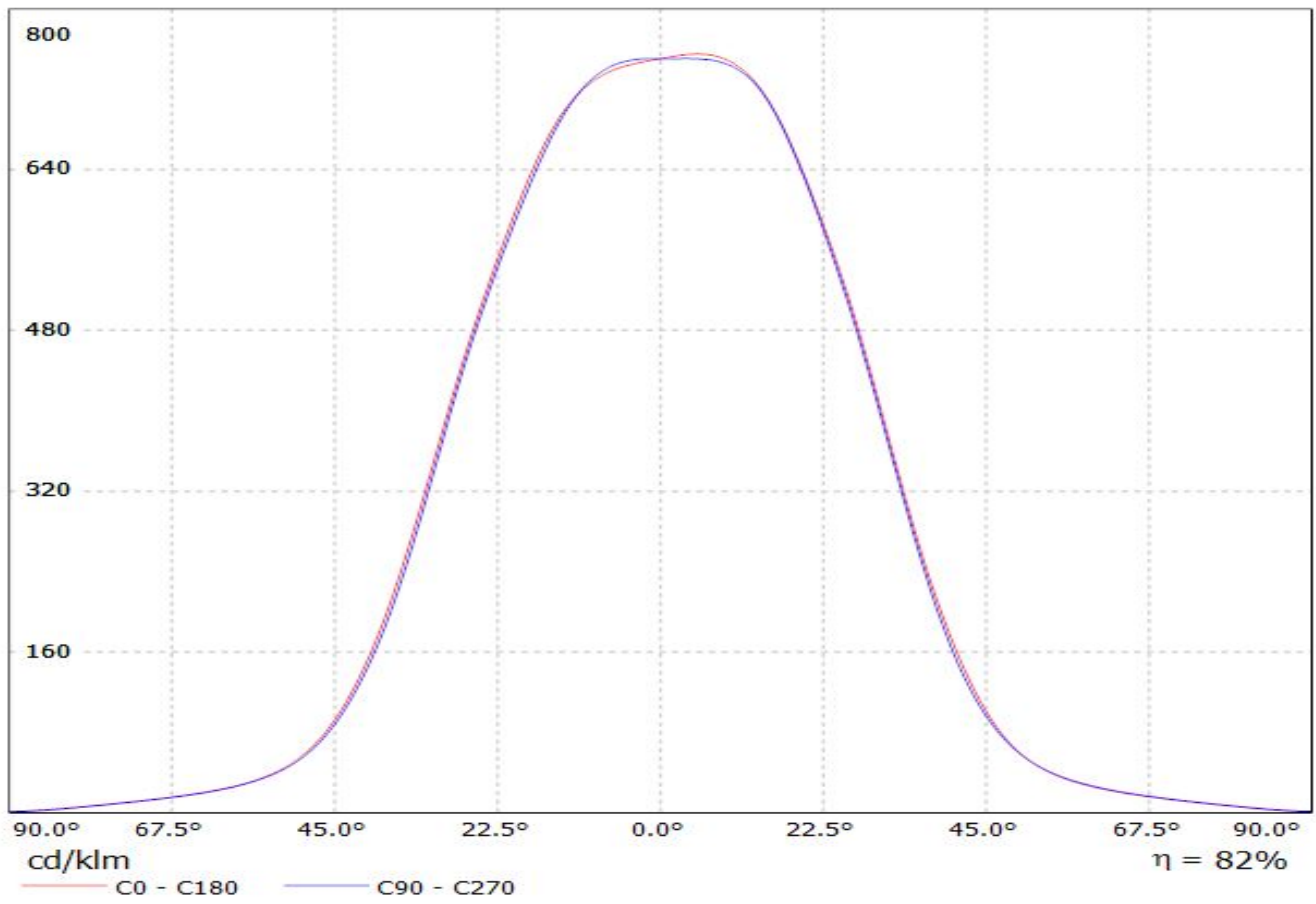
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



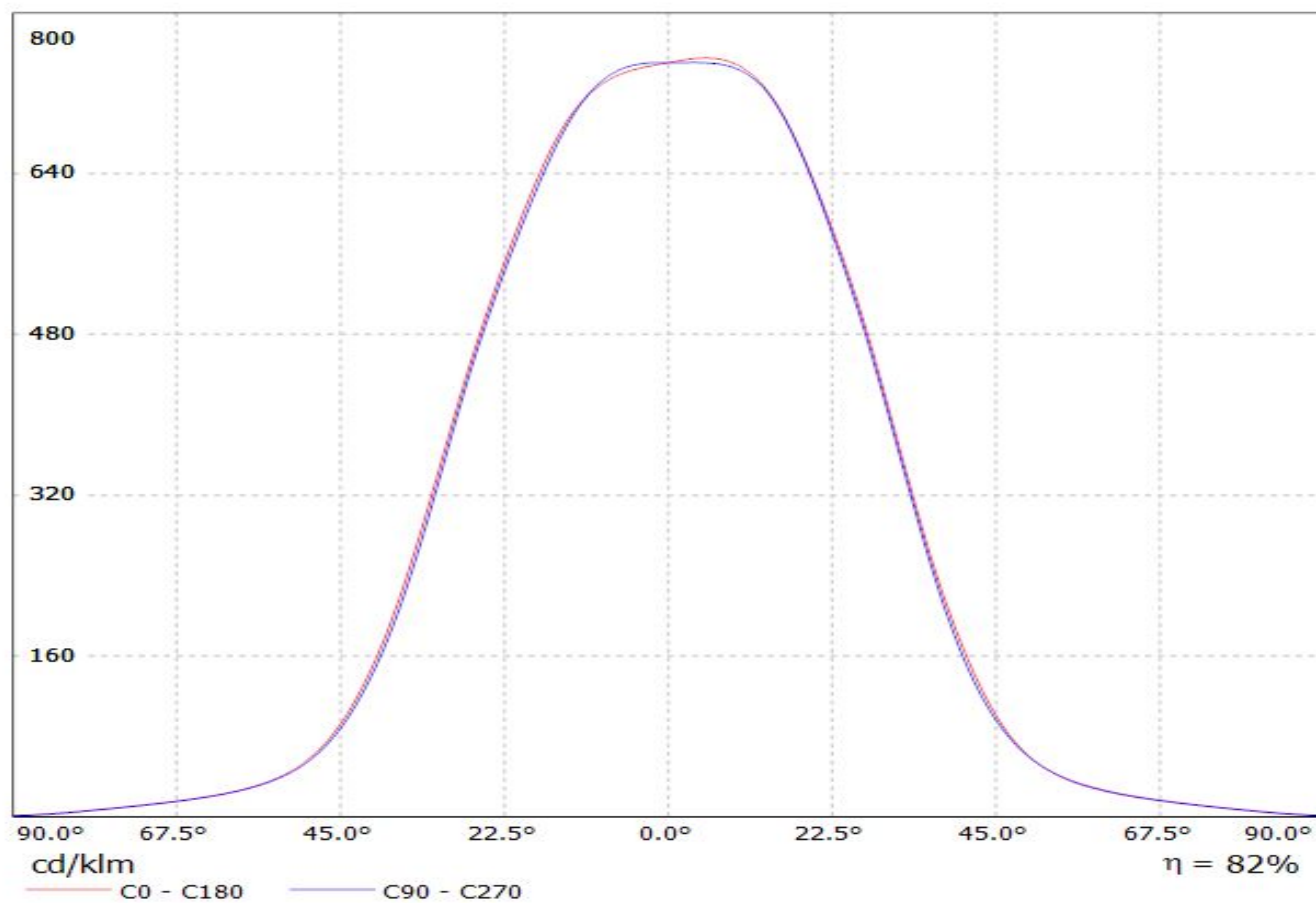
Luminaire: LEDiL Oy C12501_MIRA-W_(XHP70)
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



Luminaire: LEDiL Oy C12502_MIRA-WW_(XHP70)
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA

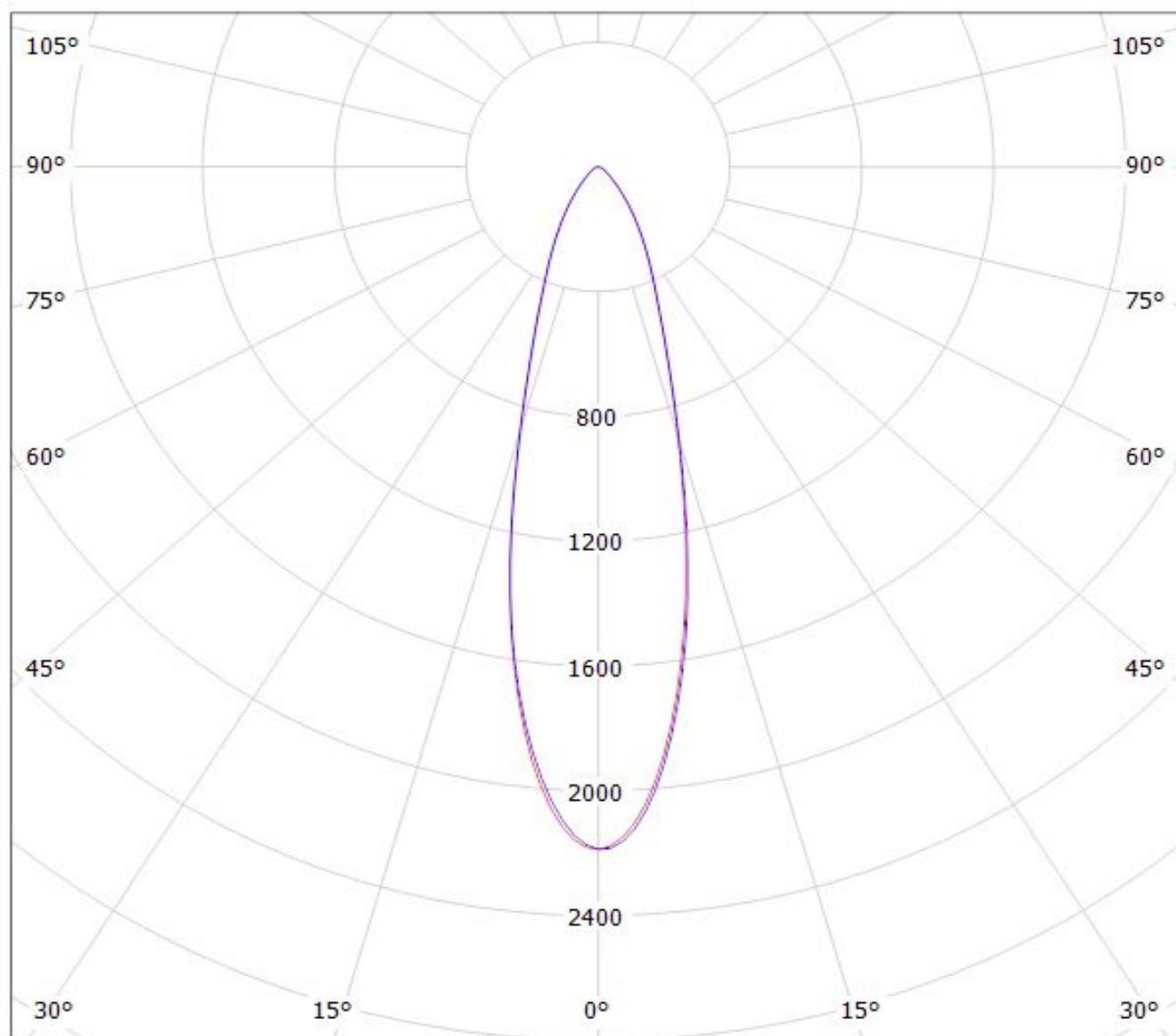


Luminaire: LEDiL Oy CA12880_MIRA-WW_(XHP70)
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



Luminaire: LEDiL Oy C12500_MIRA-M_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

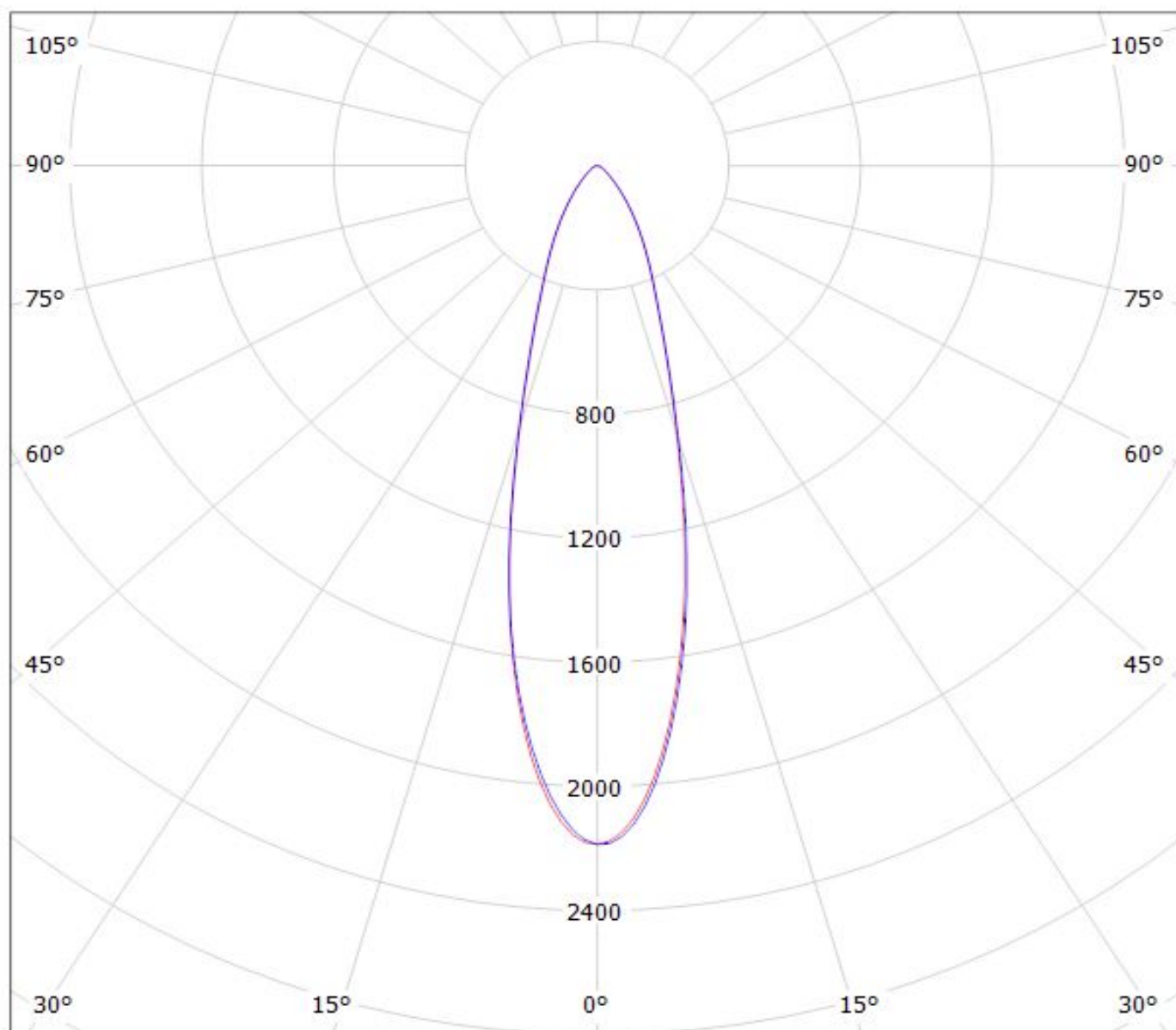
$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12878_MIRA-M_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

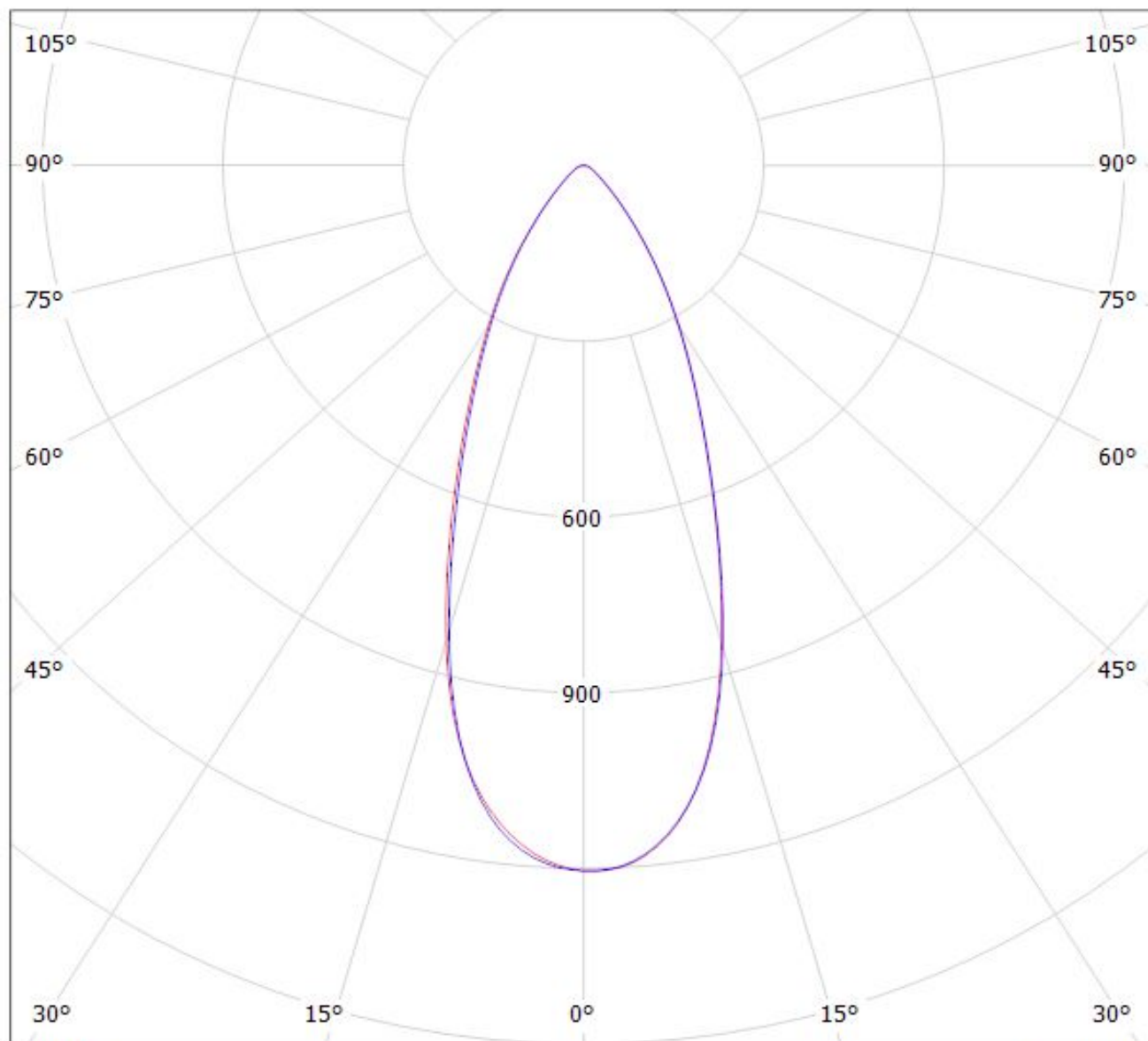
$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12501_MIRA-W_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

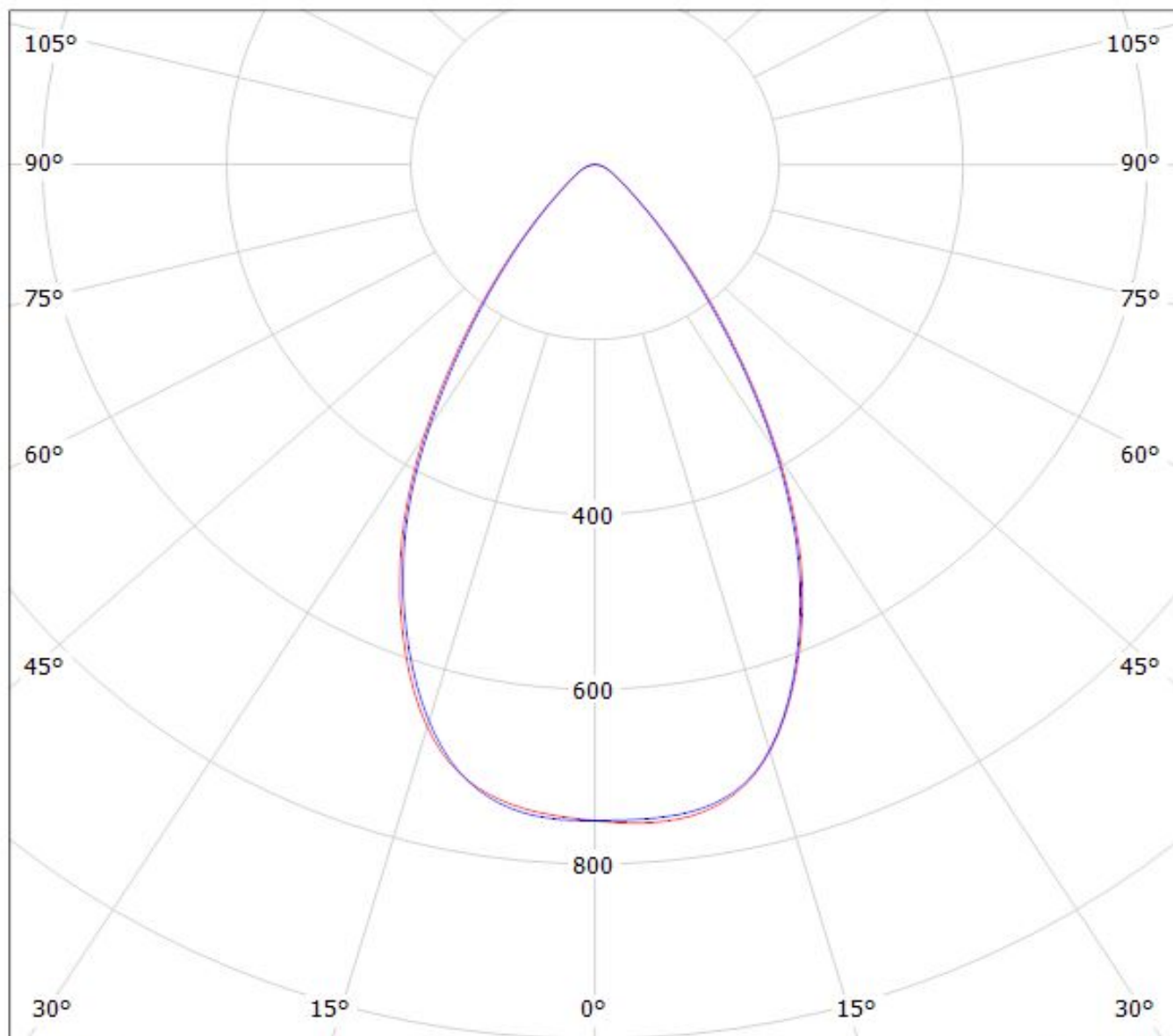
$\eta = 80\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12502_MIRA-WW_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

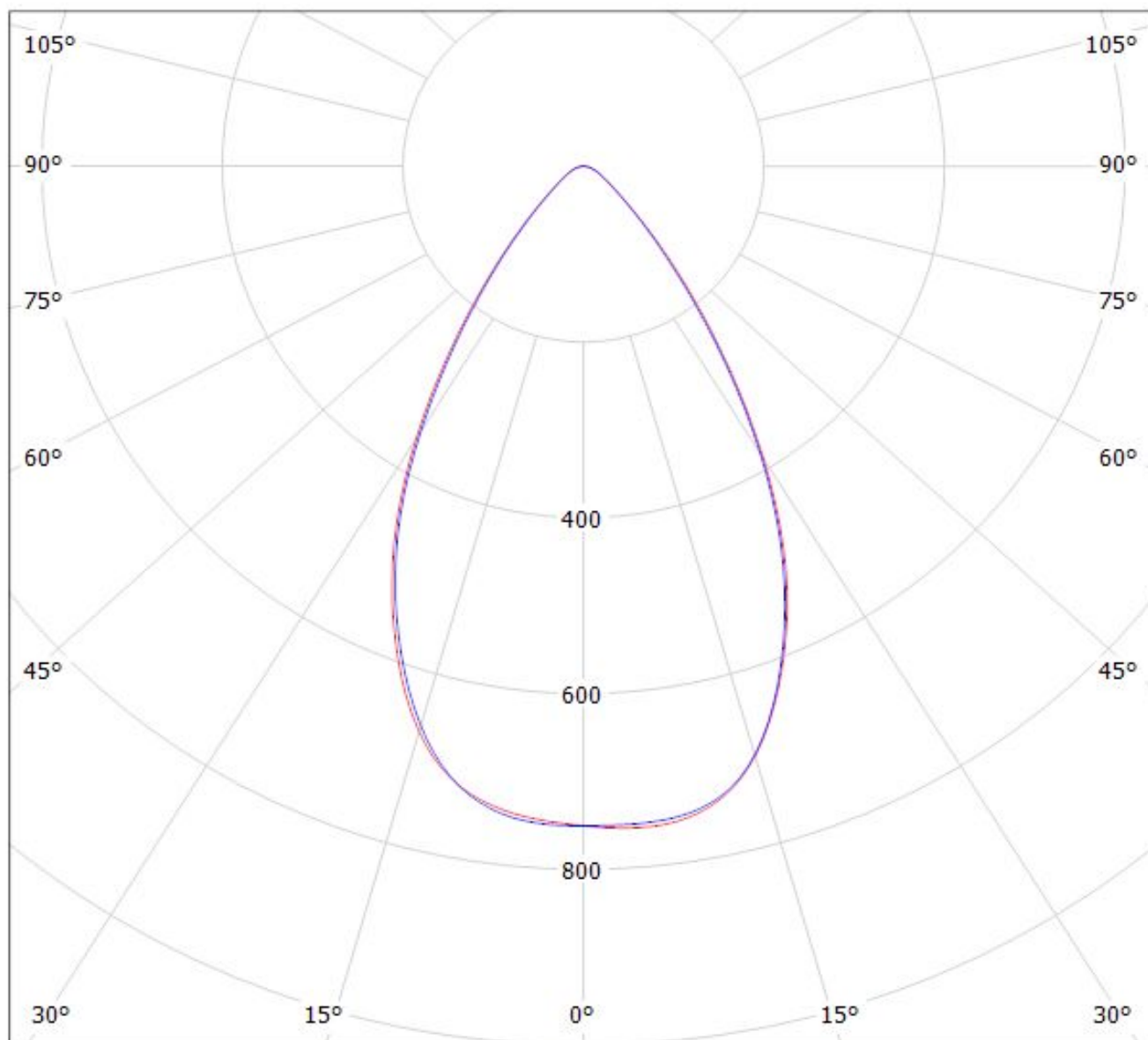
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy CA12880_MIRA-WW_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 82\%$