

Product number C13709_PF-SOCKET-VERO13-18

Family	Mirella	FWHM	N/A degrees
Type	Base part	Efficiency	-
LED	VERO13	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	38 mm		
Height	2.2 mm		
Style	Round		
Optic Material	-		
Holder Material	PC		
Fastening	-		
Status	On production		

Product number CN13918_MIRELLA-50-S-PF-VERO13

Family	Mirella	FWHM	25 degrees
Type	RefPack	Efficiency	89 %
LED	VERO13	cd/lm	2.540
Color	Metal	Gerber File	Available
Diameter	49.9 mm		
Height	24 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number CN14214_MIRELLA-50-S-CL-PF-VERO13

Family	Mirella	FWHM	26 degrees
Type	RefPack	Efficiency	83 %
LED	VERO13	cd/lm	2.320
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number CN14213_MIRELLA-50-S-DL-PF-VERO13

Family	Mirella	FWHM	28 degrees
Type	RefPack	Efficiency	84 %
LED	VERO13	cd/lm	2.100
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	-		
Holder Material	PC		
Fastening	-		
Status	On production		

**Product number CN13920_MIRELLA-50-M-PF-VERO13**

Family	Mirella	FWHM	34 degrees
Type	RefPack	Efficiency	88 %
LED	VERO13	cd/lm	1.800
Color	Metal	Gerber File	Available
Diameter	49.9 mm		
Height	24 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number CN14216_MIRELLA-50-M-CL-PF-VERO13

Family	Mirella	FWHM	37 degrees
Type	RefPack	Efficiency	82 %
LED	VERO13	cd/lm	1.590
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number CN14215_MIRELLA-50-M-DL-PF-VERO13

Family	Mirella	FWHM	38 degrees
Type	RefPack	Efficiency	82 %
LED	VERO13	cd/lm	1.500
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

Product number CN13923_MIRELLA-50-W-PF-VERO13

Family	Mirella	FWHM	46 degrees
Type	RefPack	Efficiency	90 %
LED	VERO13	cd/lm	1.290
Color	Metal	Gerber File	Available
Diameter	49.9 mm		
Height	24 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

**Product number CN14217_MIRELLA-50-W-DL-PF-VERO13**

Family	Mirella	FWHM	50 degrees
Type	RefPack	Efficiency	82 %
LED	VERO13	cd/lm	1.120
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

Product number CN14218_MIRELLA-50-W-CL-PF-VERO13

Family	Mirella	FWHM	51 degrees
Type	RefPack	Efficiency	77 %
LED	VERO13	cd/lm	1.100
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

Product number CN14212_MIRELLA-XW-DL-PF-VERO13

Family	Mirella	FWHM	70 degrees
Type	RefPack	Efficiency	87 %
LED	VERO13	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number CN14211_MIRELLA-XW-CL-PF-VERO13

Family	Mirella	FWHM	71 degrees
Type	RefPack	Efficiency	87 %
LED	VERO13	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	23.96 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

**Product number** CN14209_MIRELLA-XW-PF-VERO13

Family	Mirella	FWHM	75 degrees
Type	RefPack	Efficiency	92 %
LED	VERO13	cd/lm	0.610
Color	White	Gerber File	Available
Diameter	49.9 mm		
Height	25.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
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

Mirella series

last update 22/4/2014

GENERAL INFORMATION

- Product series especially designed & optimized for VERO13 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 (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).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

D

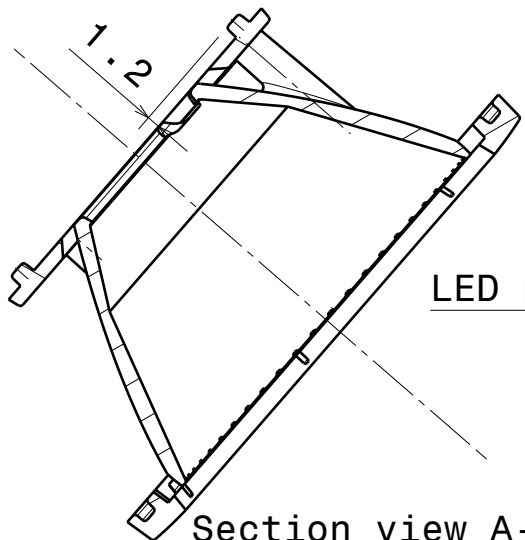
C

B

A

4

4



LED position

Section view A-A
Scale: 3:2

Ø 49.9

Ø 3.4

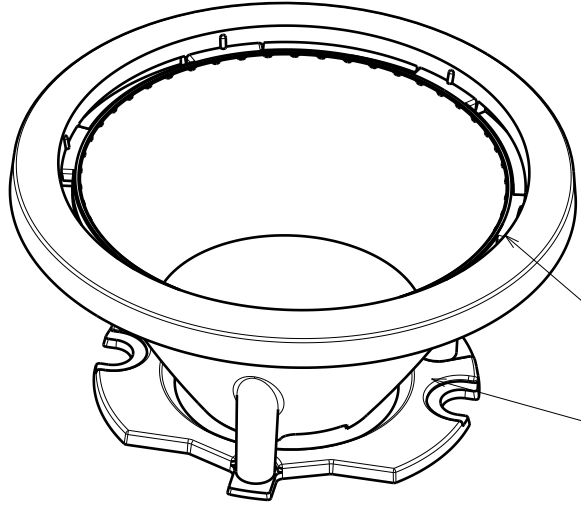
Ø 1.8

Ø 31.4

Ø 29

3

3

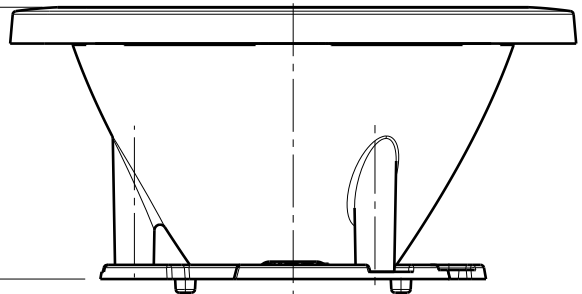


Reflector

Socket

Isometric view
Scale: 3:2

24



2

2

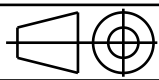
CN13918_MIRELLA-50-S-PF-VER013/18
 CN13920_MIRELLA-50-M-PF-VER013/18
 CN13923_MIRELLA-50-W-PF-VER013/18

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 Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE
MIRELLA-50-PF-VER013/18

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SIZE	PART NUMBER
A4	-

SCALE	3:2	WEIGHT	-	SHEET	1/1
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1

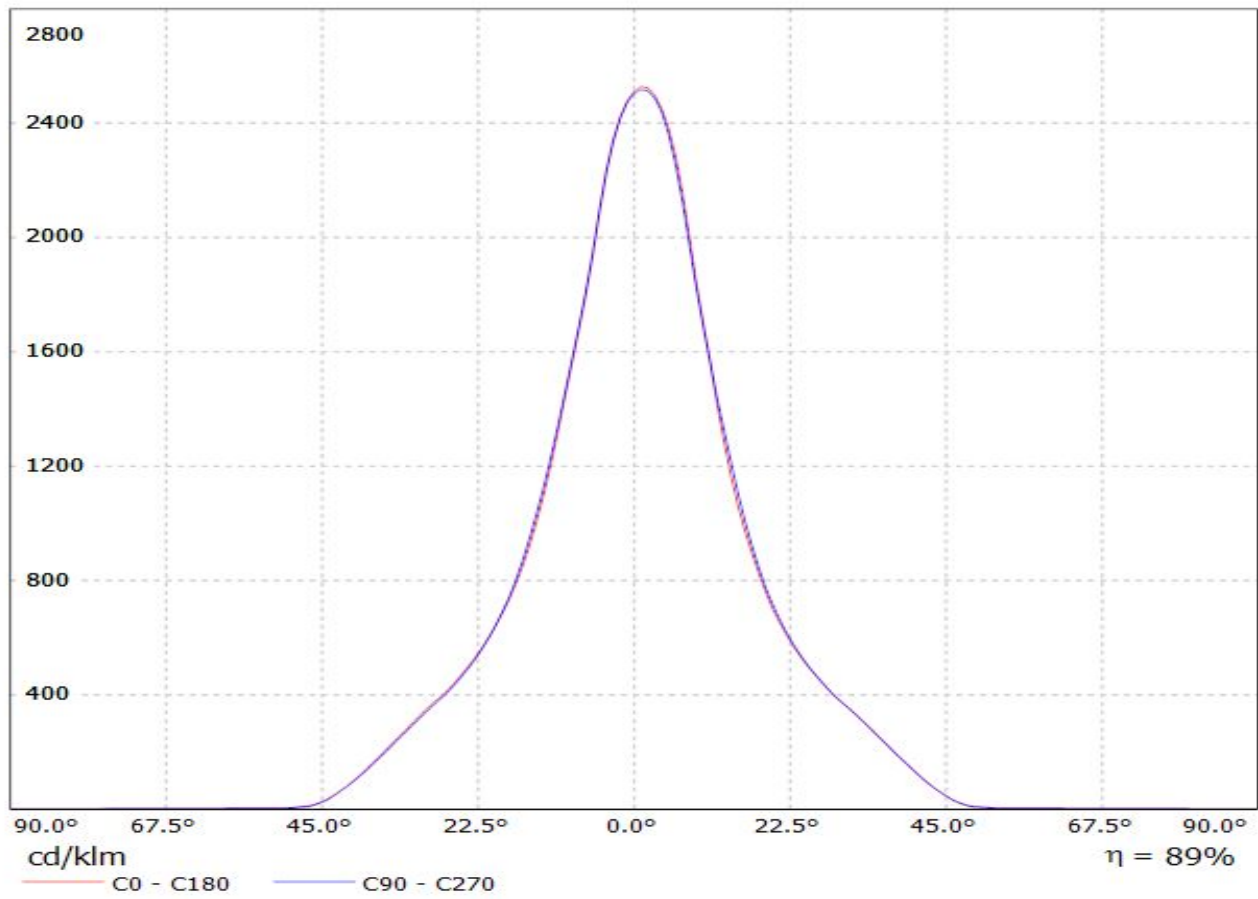
1

D

A

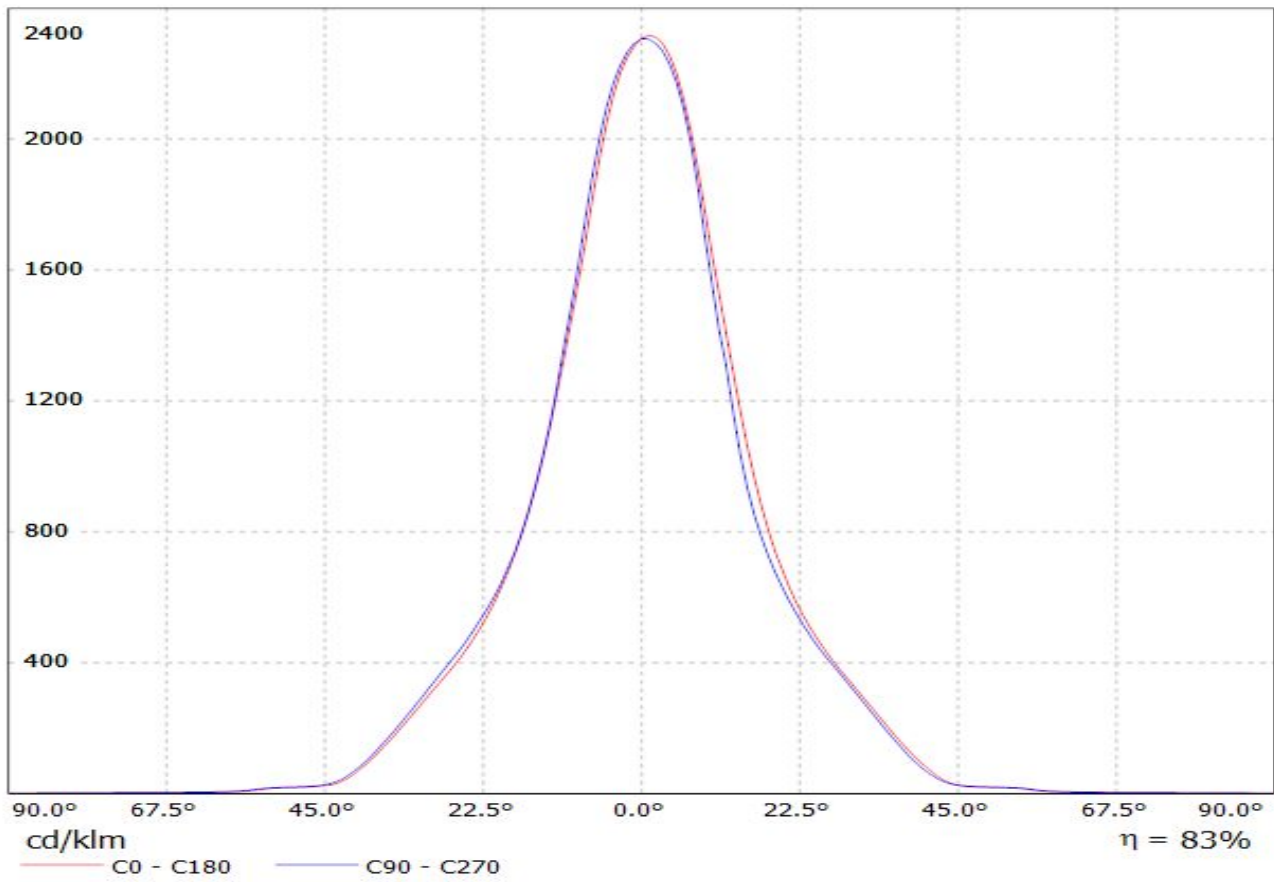
Luminaire: LEDiL Oy C13085_MIRELLA-50-S-PF Eff.89.1%

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



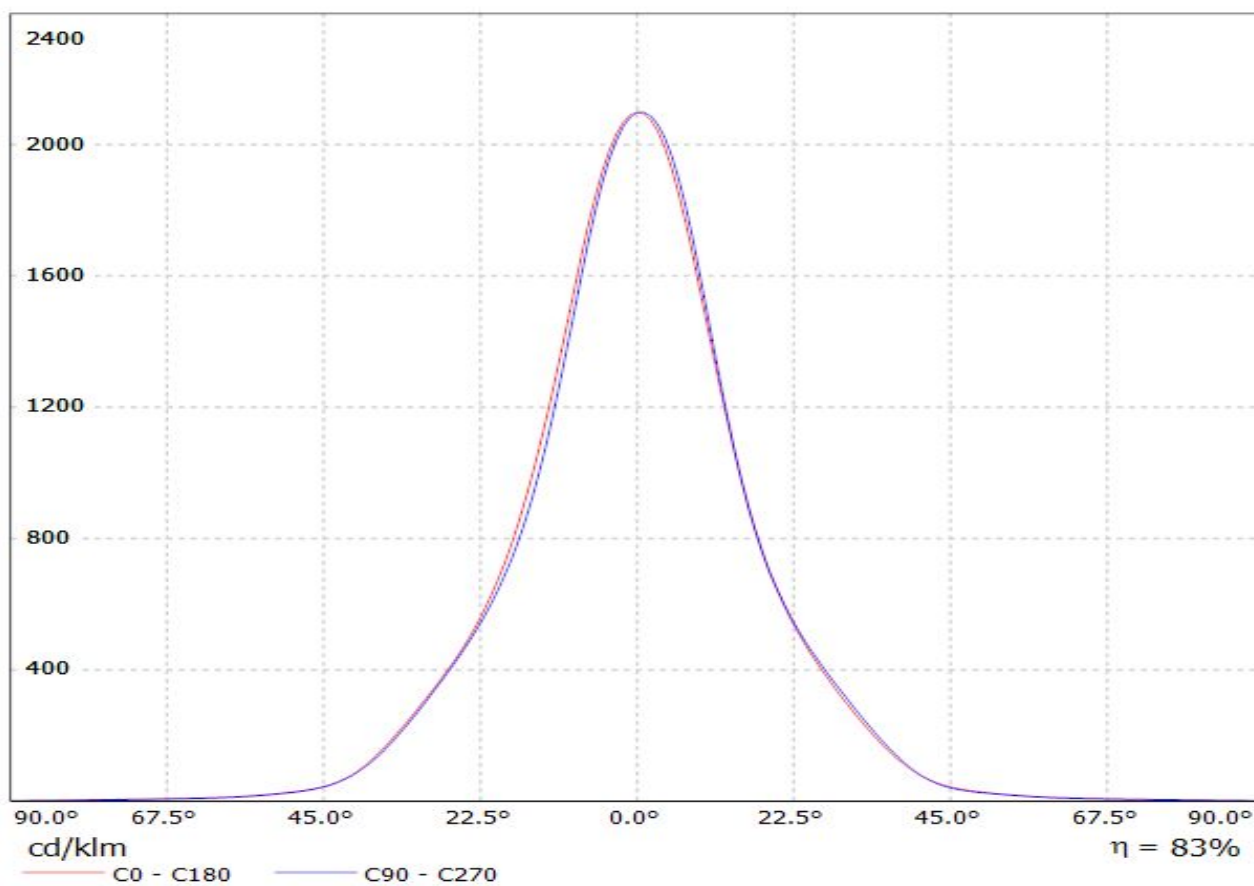
Luminaire: LEDiL Oy CN14214_MIRELLA-50-S-PF-CL

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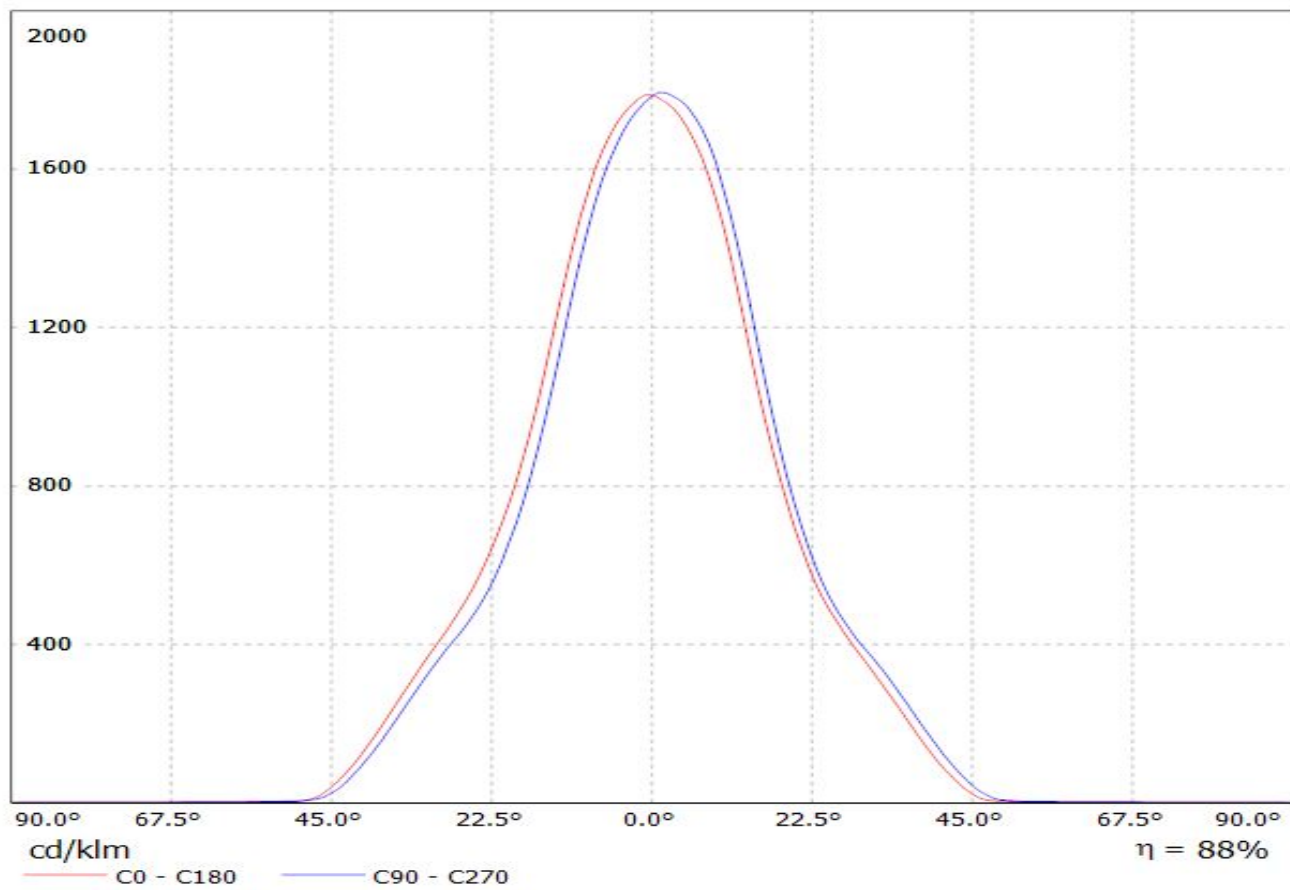


Luminaire: LEDiL Oy CN14213_MIRELLA-50-S-PF-DL

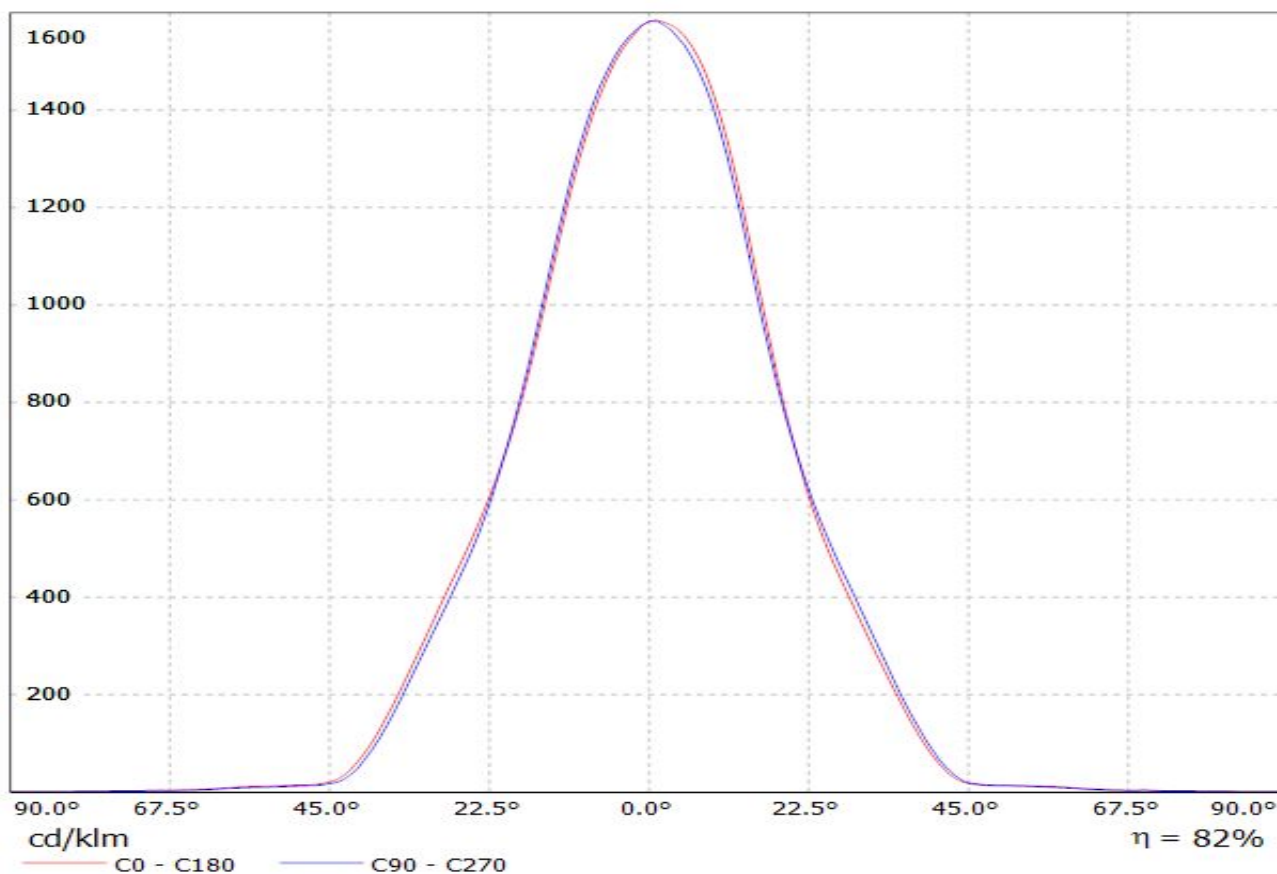
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



Luminaire: LEDiL Oy C13086_MIRELLA-50-M-PF Eff 88.1%
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA

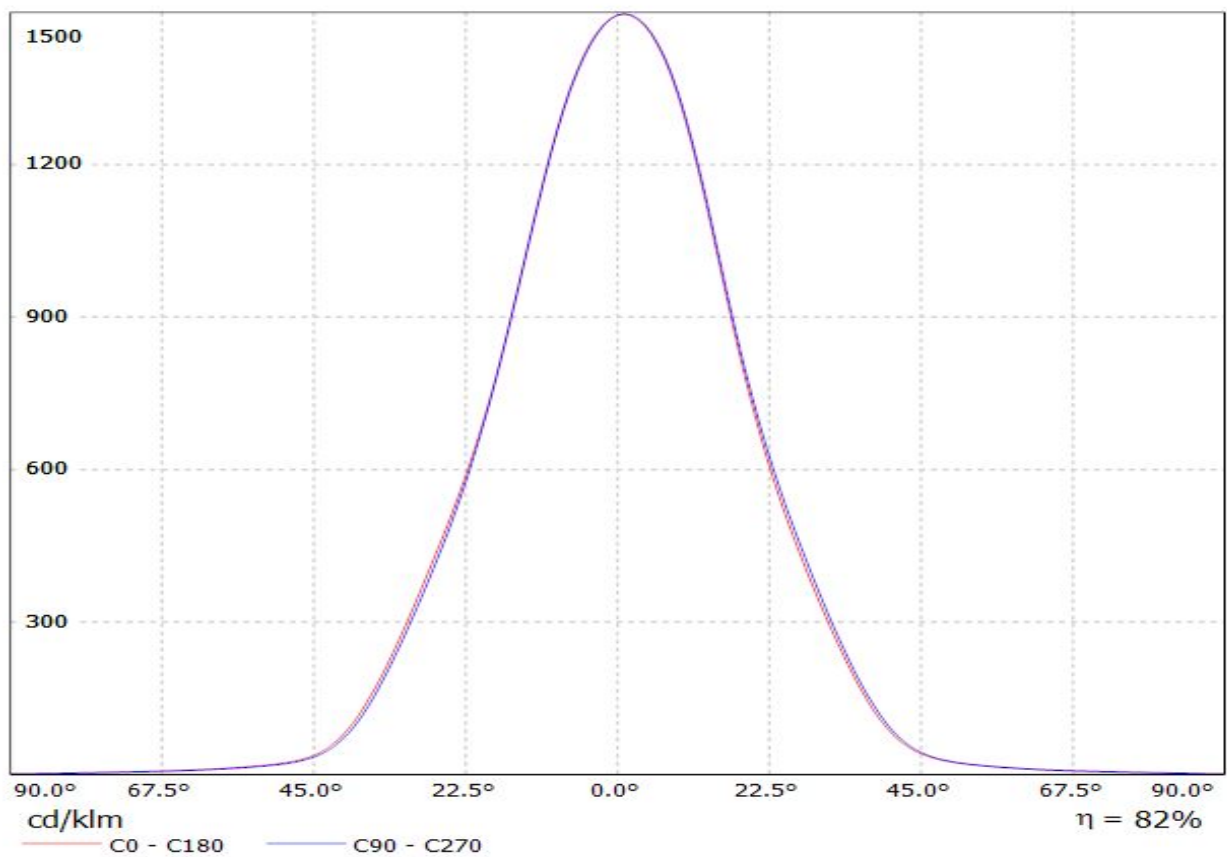


Luminaire: LEDiL Oy CN14216_MIRELLA-50-M-PF-CL
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA

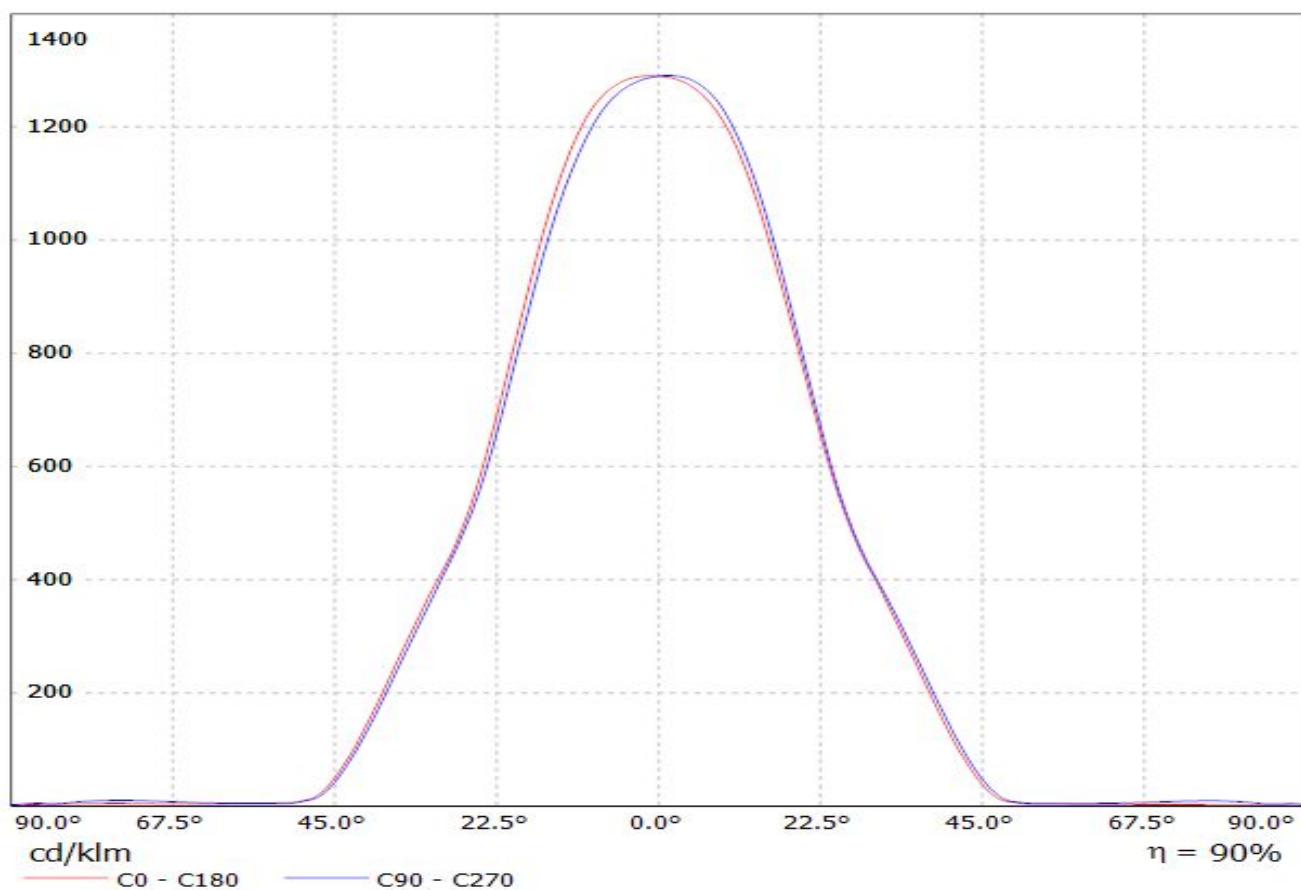


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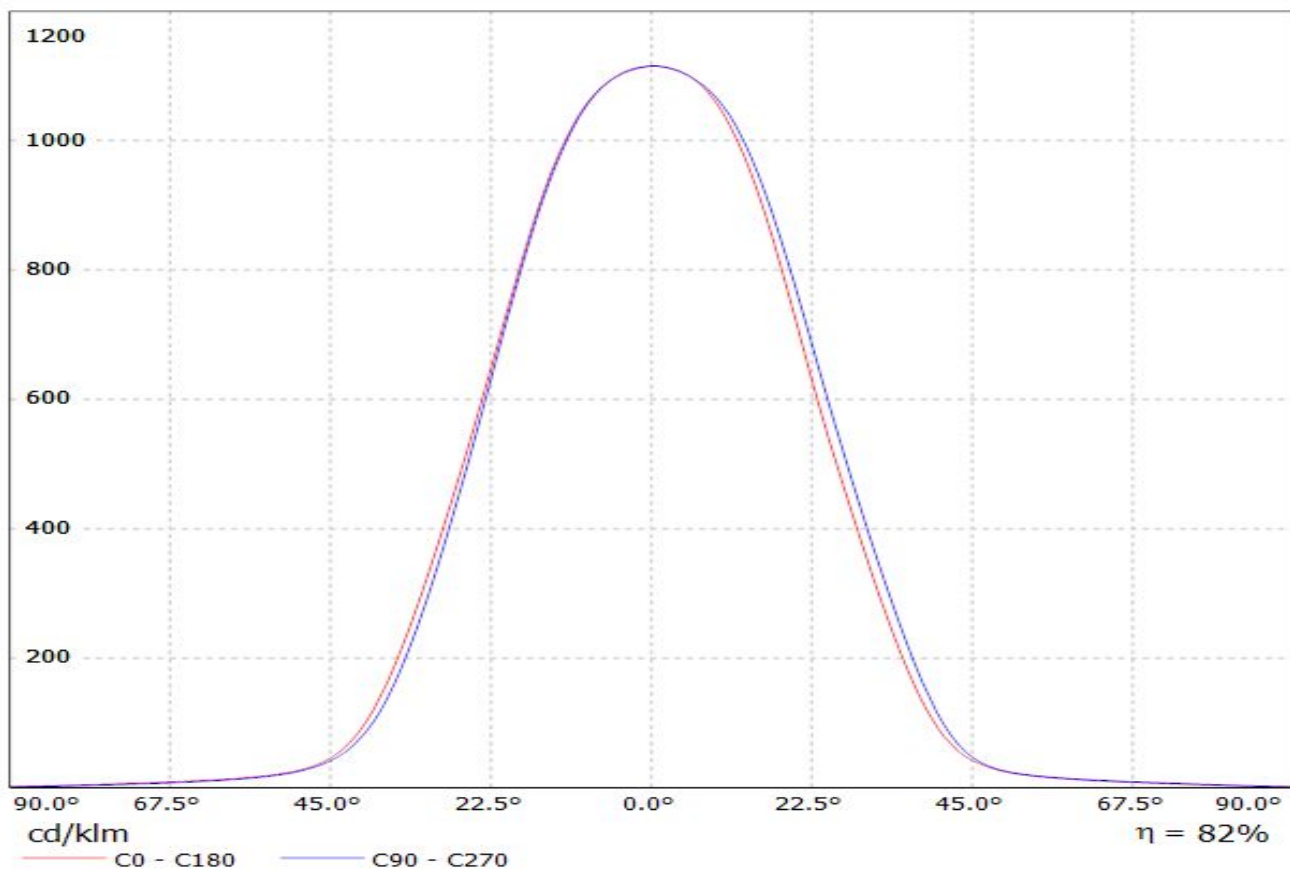
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



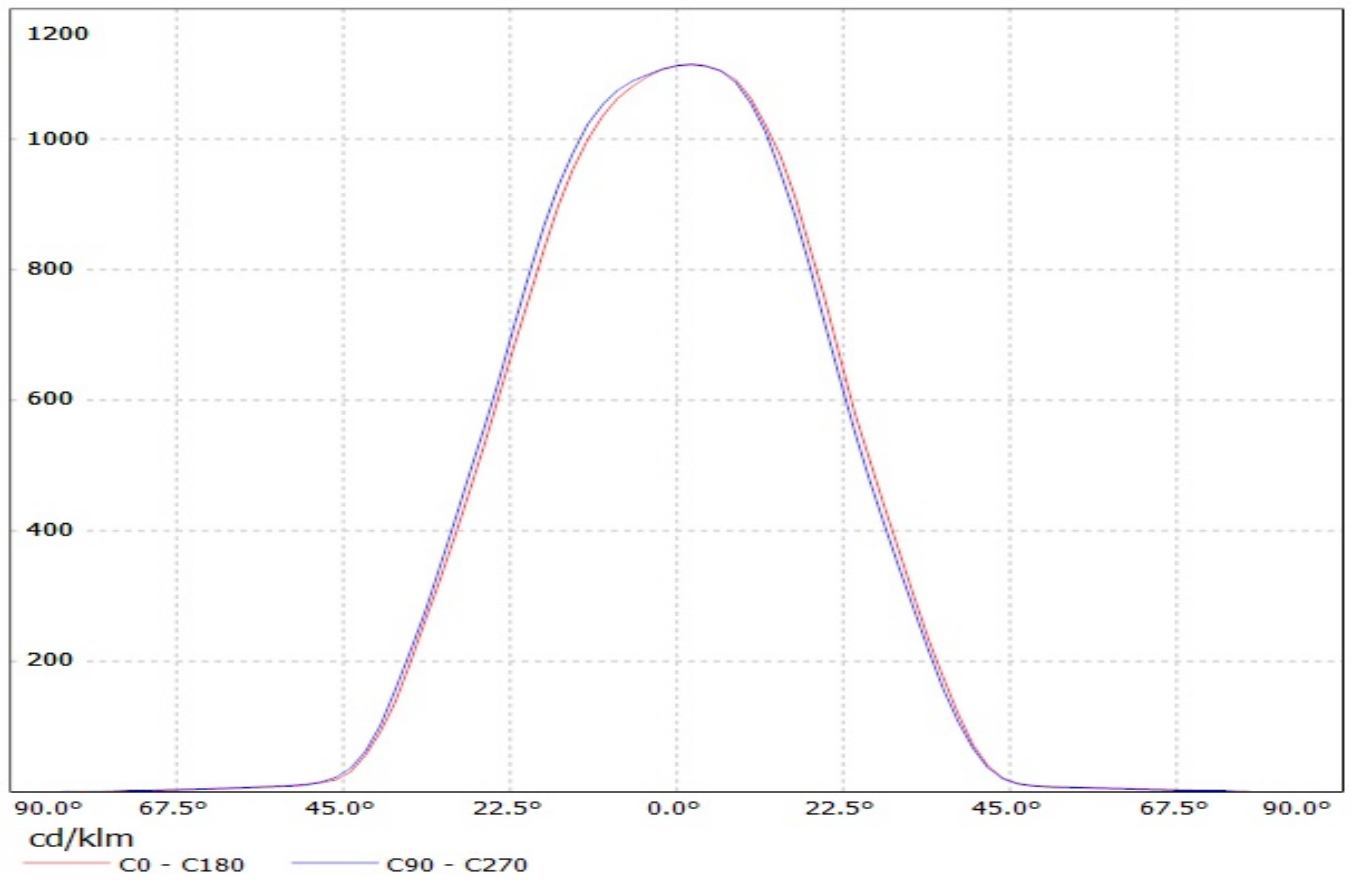
Luminaire: LEDiL Oy C13087_MIRELLA-50-W-PF Eff.89.9%
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



Luminaire: LEDiL Oy CN14217_MIRELLA-50-W-PF-DL
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA

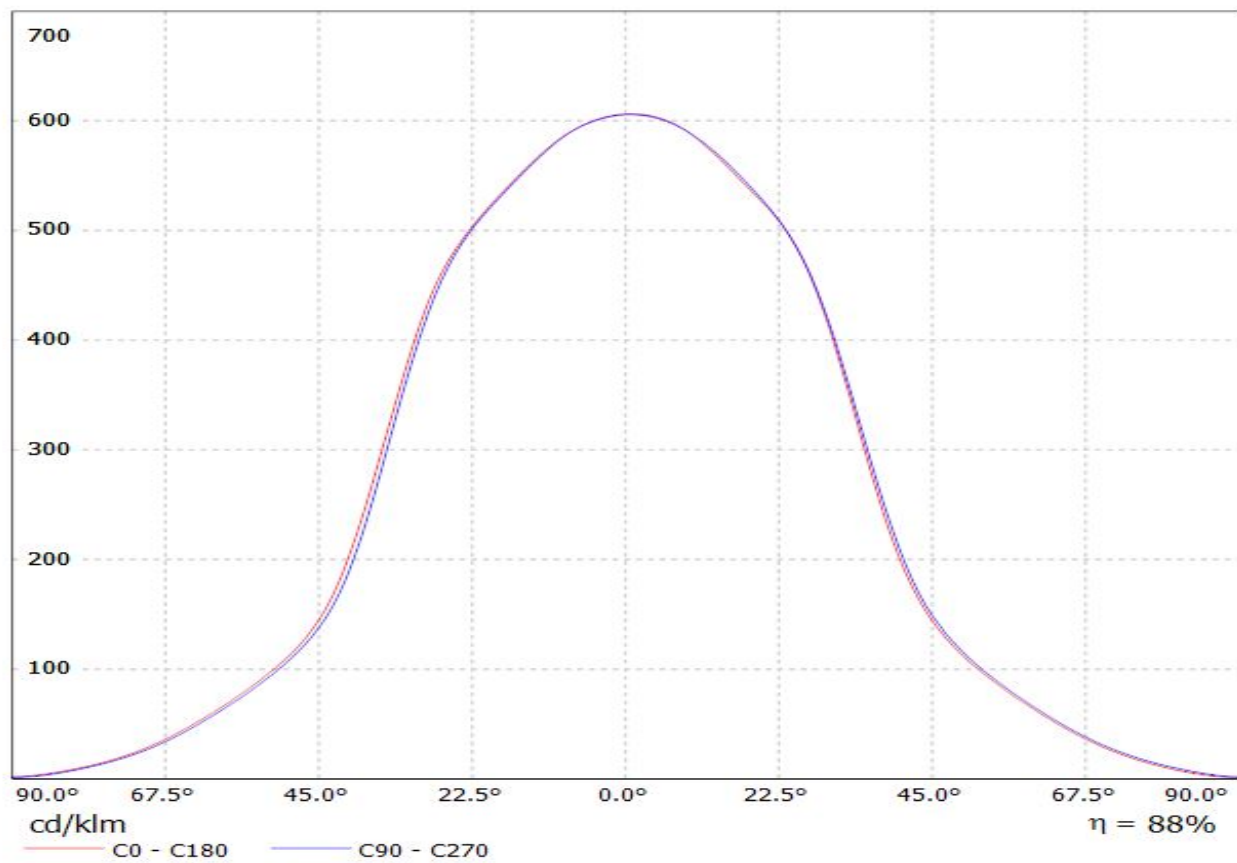


Luminaire: LEDil Oy CN14218_MIRELLA-50-W-CL-PF-VERO13_(VERO13) Efficiency=77%
Lamps: 1 x Bridgelux VERO13 (BXRC-40E2000C) 1046lm @ 250mA CCT=4000K P=7.7W I=250mA

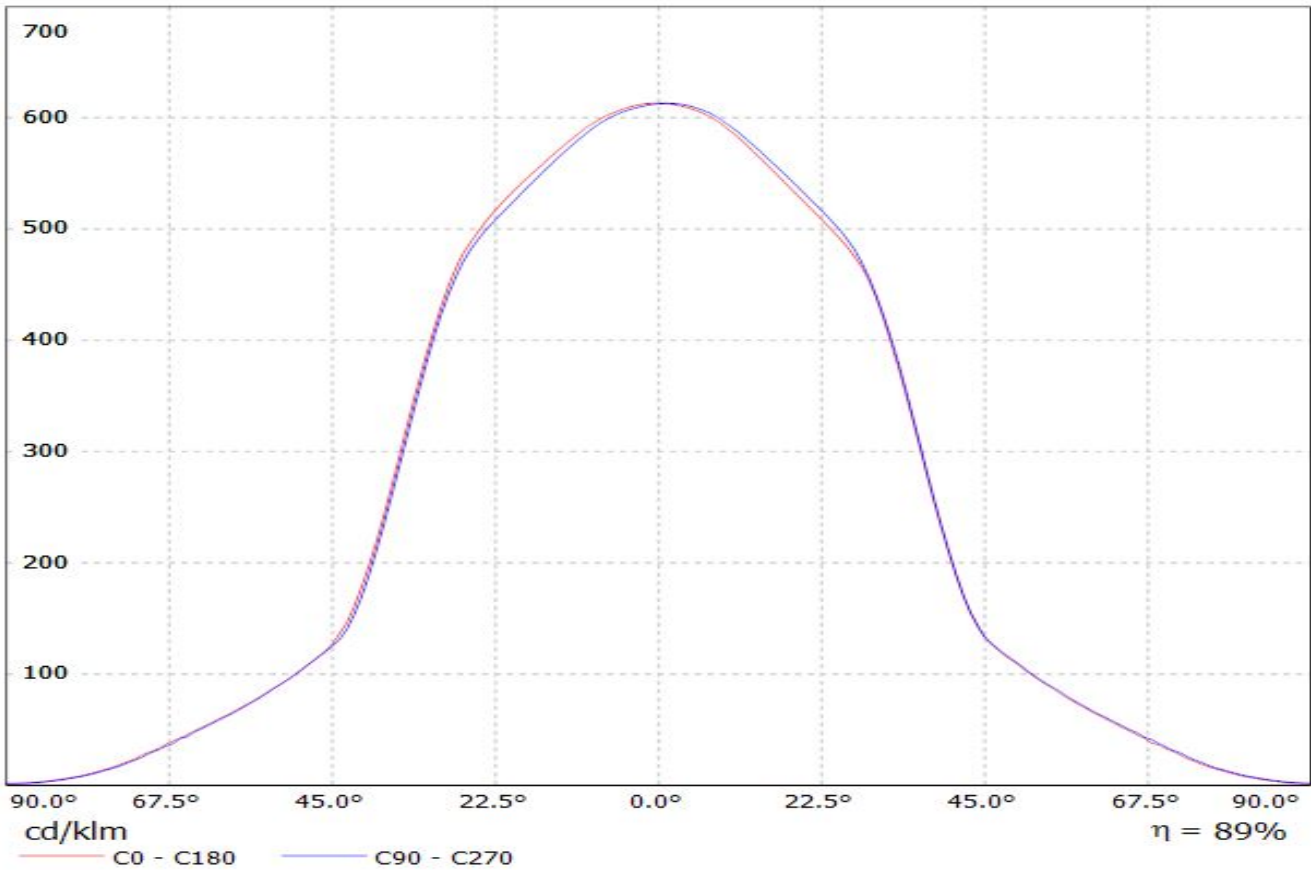


Luminaire: LEDiL Oy CN14212_MIRELLA-XW-PF-DL

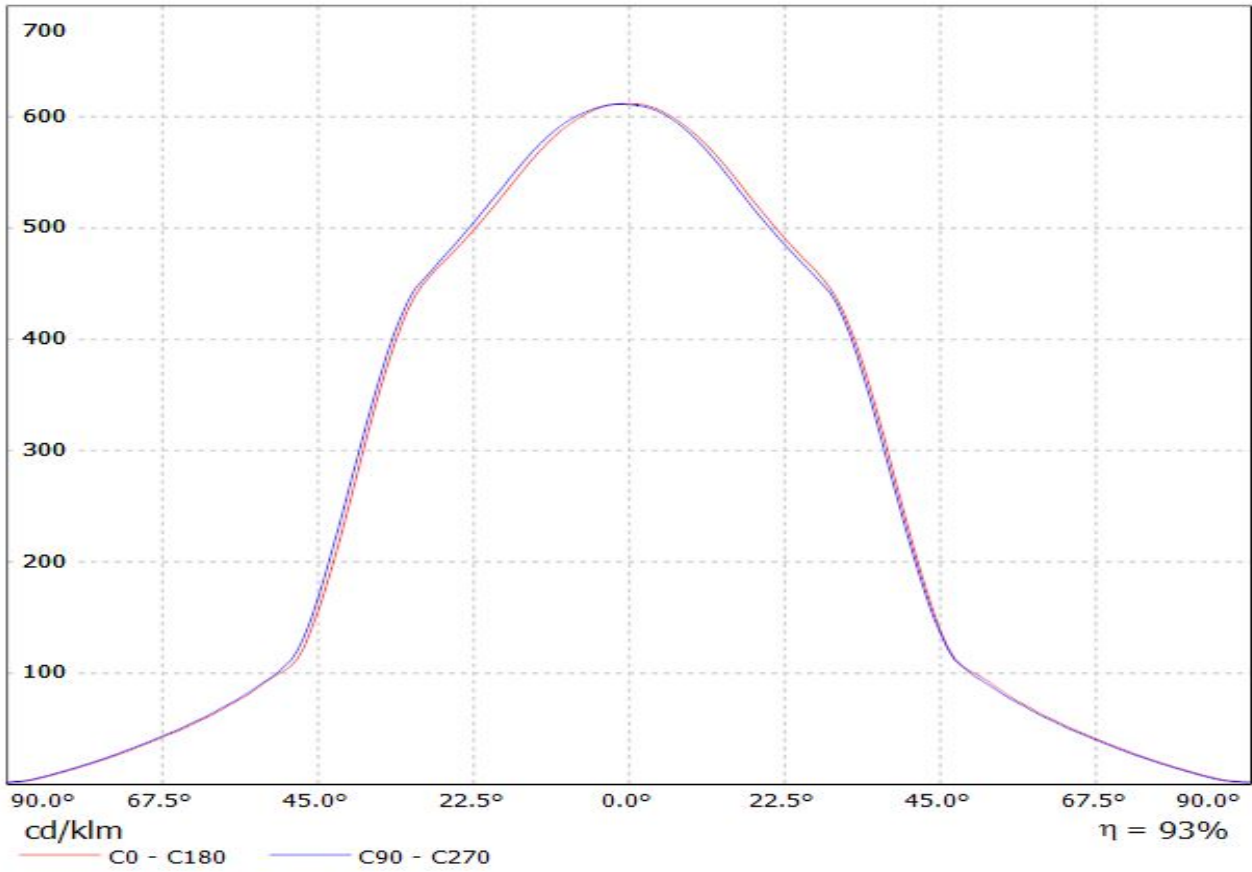
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1010lm@250mA_P=7.48526W_I=249.8mA



Luminaire: LEDiL Oy CN14211_MIRELLA-XW-PF-CL
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1010lm@250mA_P=7.48526W_I=249.8mA

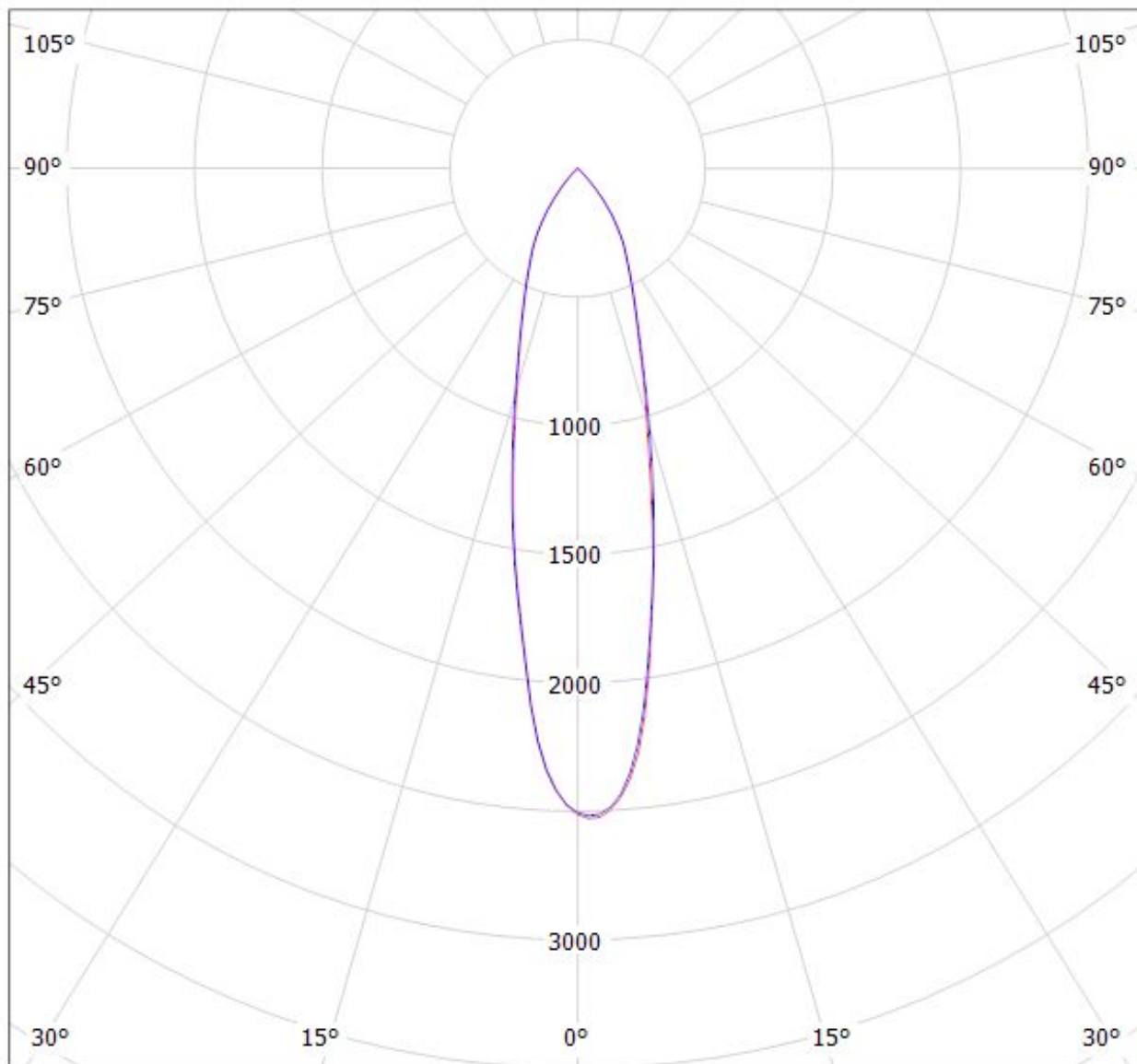


Luminaire: LEDiL Oy CN14209_MIRELLA-XW-PF-VERO13
Lamps: 1 x VERO13 BXRC-40E2000C CCT:4000K 1046lm@250mA P:7.7W



Luminaire: LEDiL Oy C13085_MIRELLA-50-S-PF Eff.89.1%

Lamps: 1 x Bridgelux_VERO13_(BXR30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



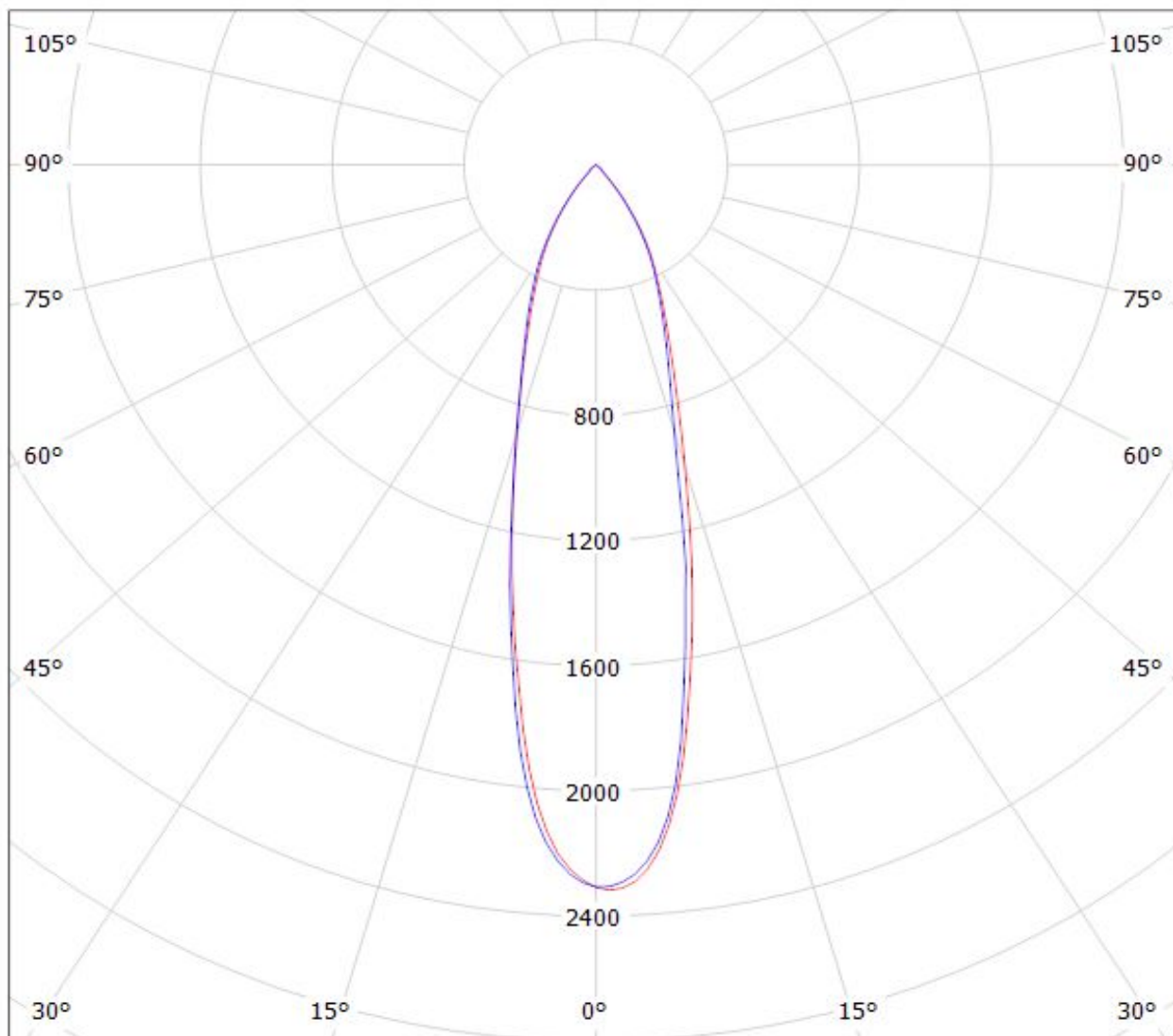
cd/klm

$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN14214_MIRELLA-50-S-PF-CL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

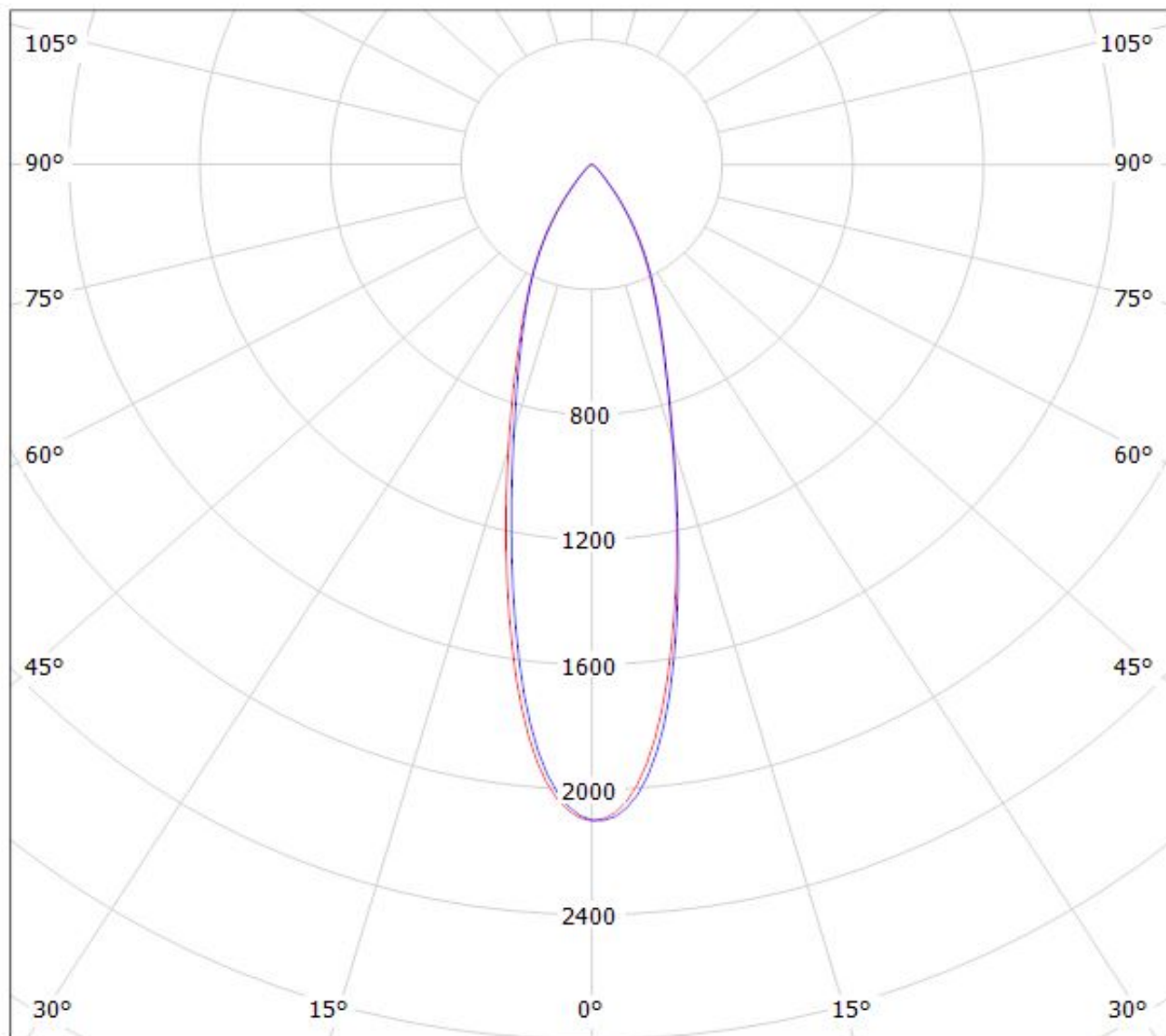
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CN14213_MIRELLA-50-S-PF-DL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

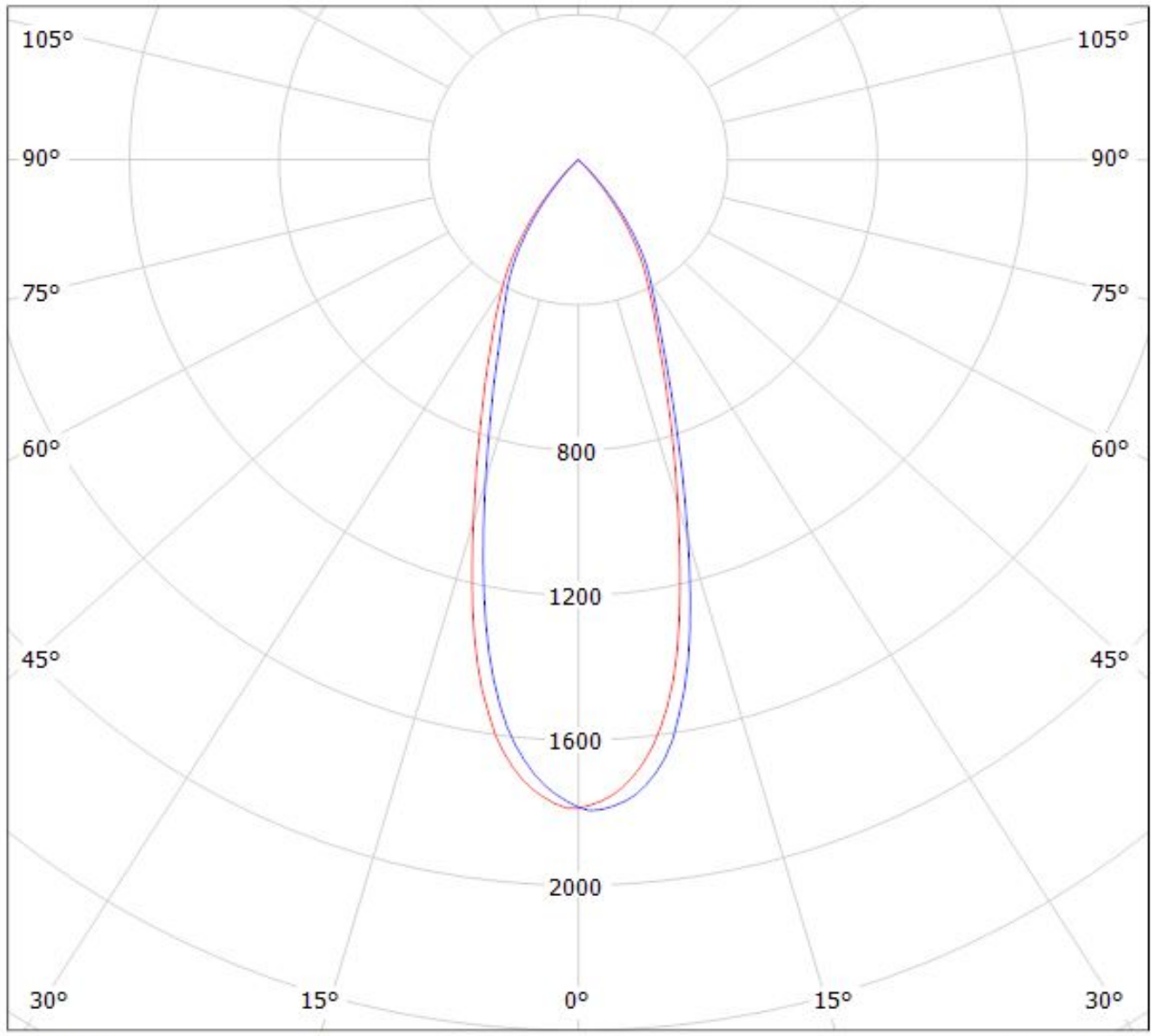
$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13086_MIRELLA-50-M-PF Eff.88.1%

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

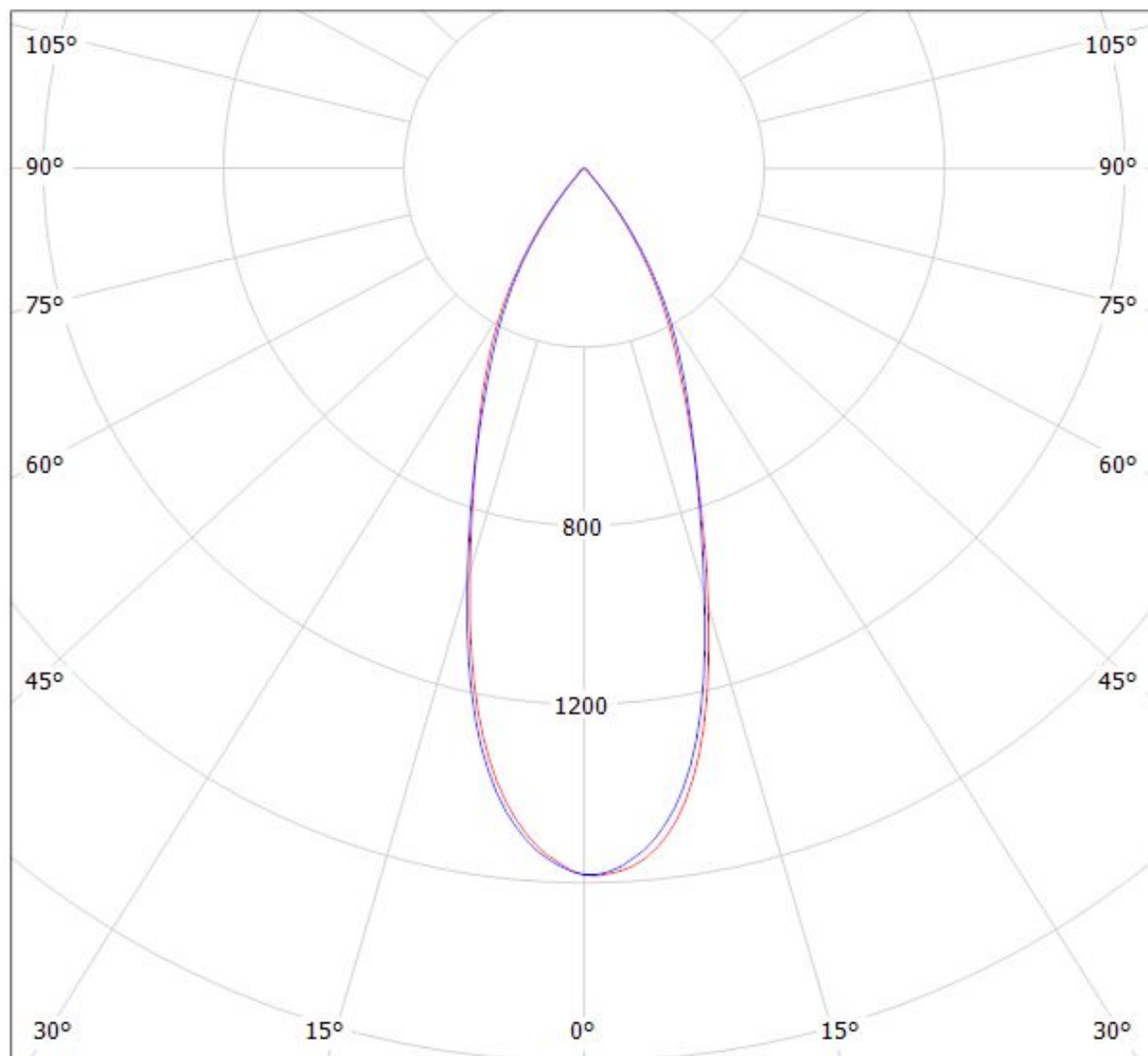
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN14216_MIRELLA-50-M-PF-CL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

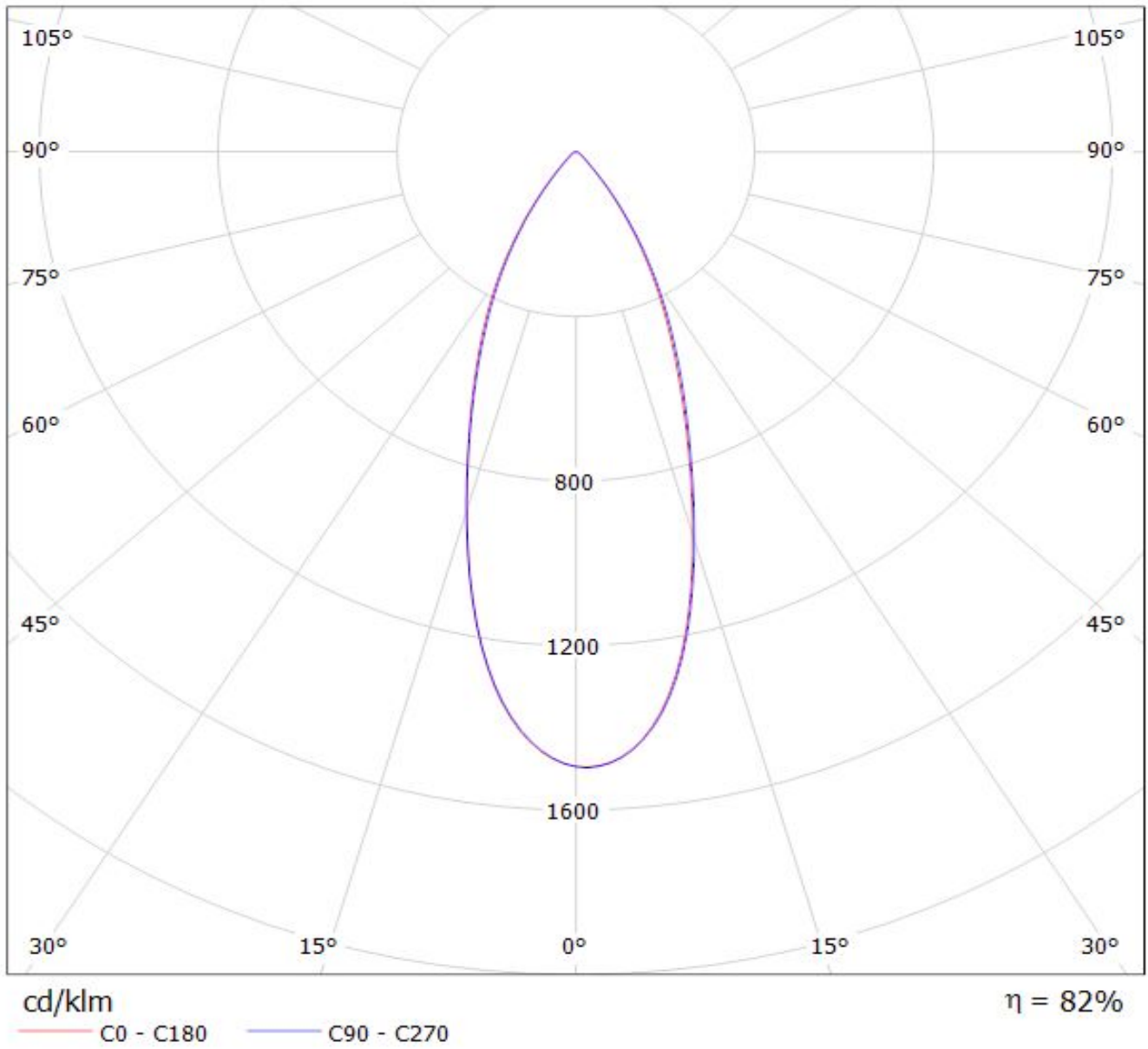
— C0 - C180

— C90 - C270

$\eta = 82\%$

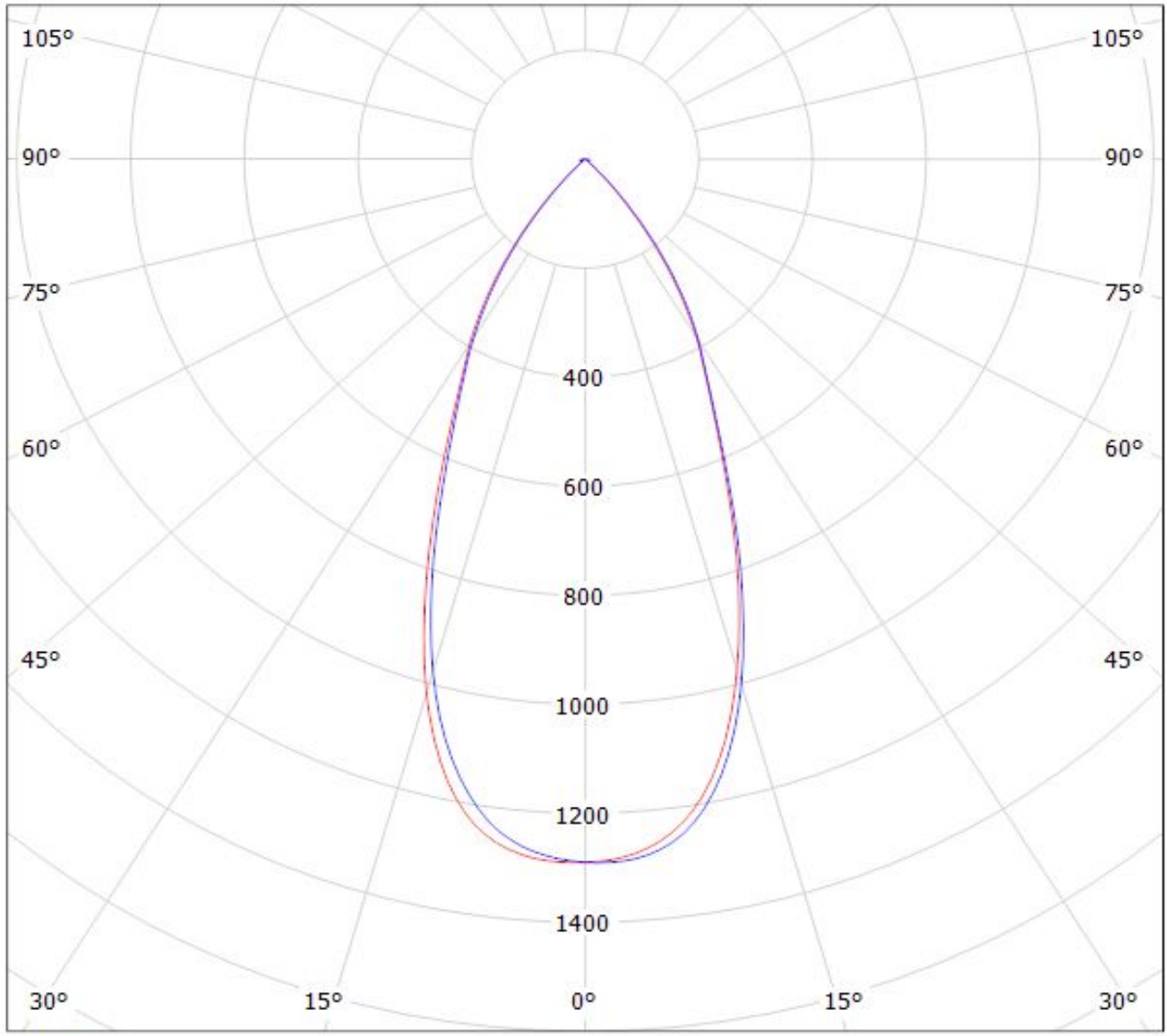
Luminaire: LEDiL Oy CN14215_MIRELLA-50-M-PF-DL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



Luminaire: LEDiL Oy C13087_MIRELLA-50-W-PF Eff.89.9%

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

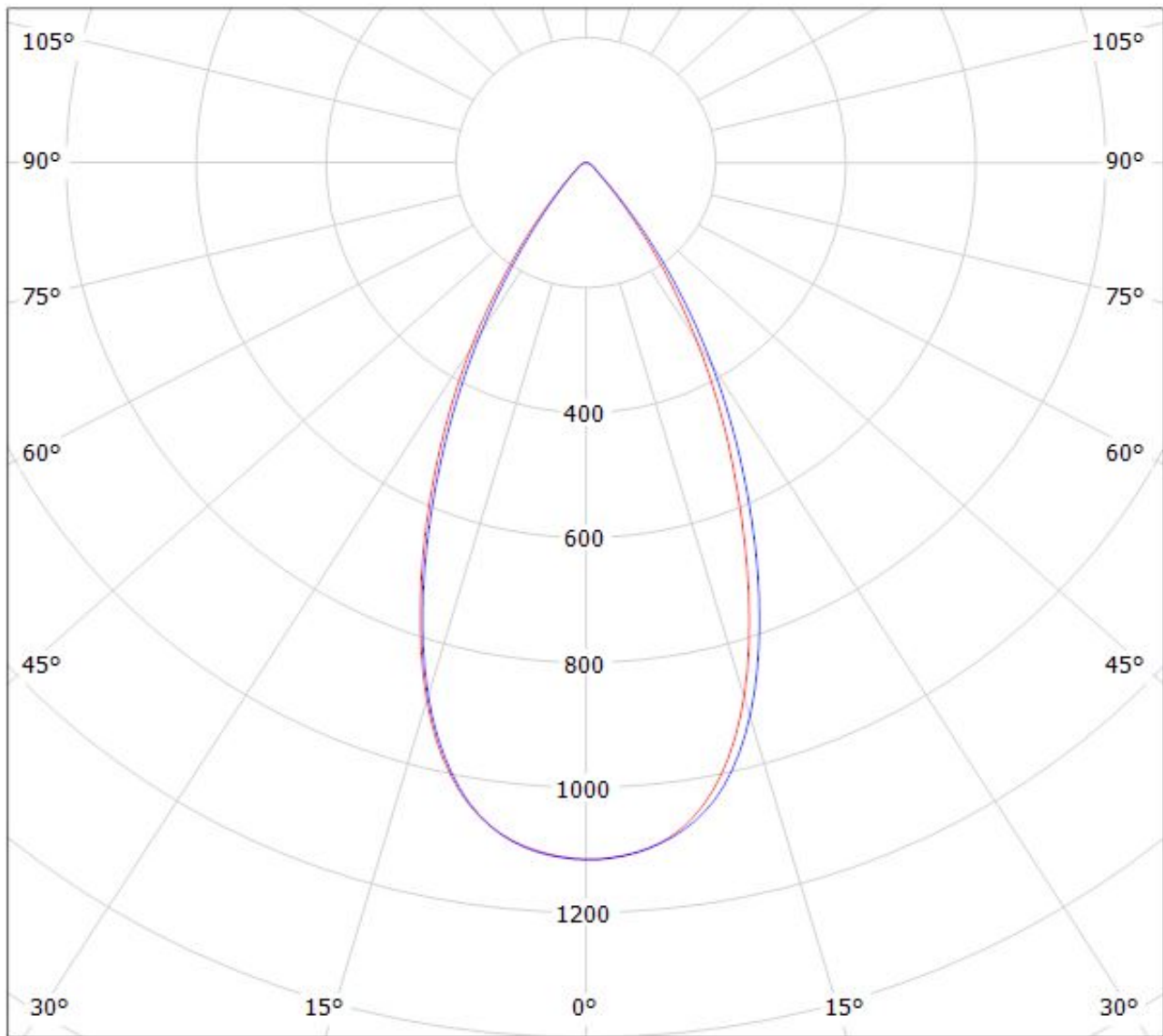
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy CN14217_MIRELLA-50-W-PF-DL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



cd/klm

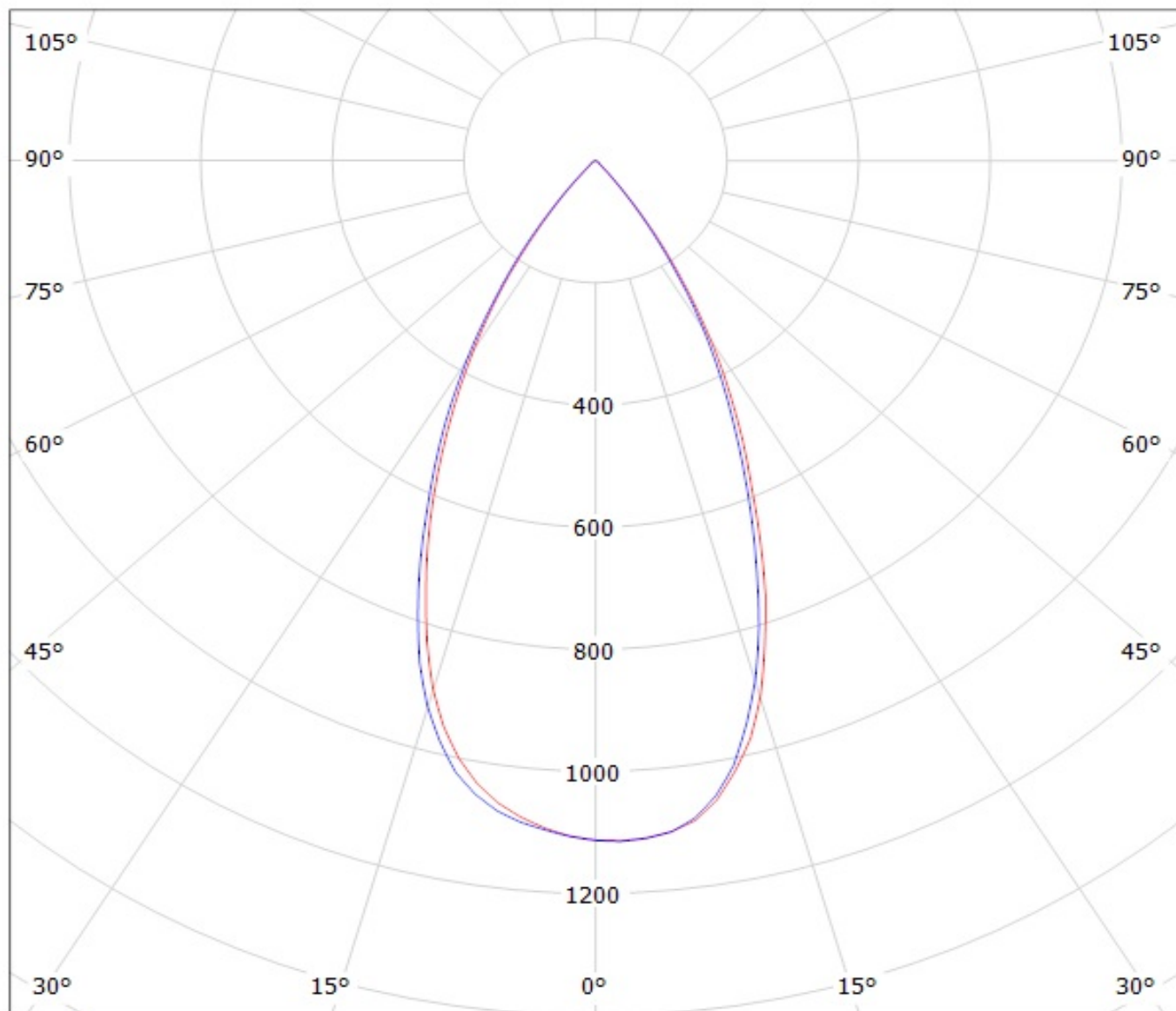
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: LEDil Oy CN14218_MIRELLA-50-W-CL-PF-VERO13_(VERO13) Efficiency=77%

Lamps: 1 x Bridgelux VERO13 (BXRC-40E2000C) 1046lm @ 250mA CCT=4000K P=7.7W I=250mA



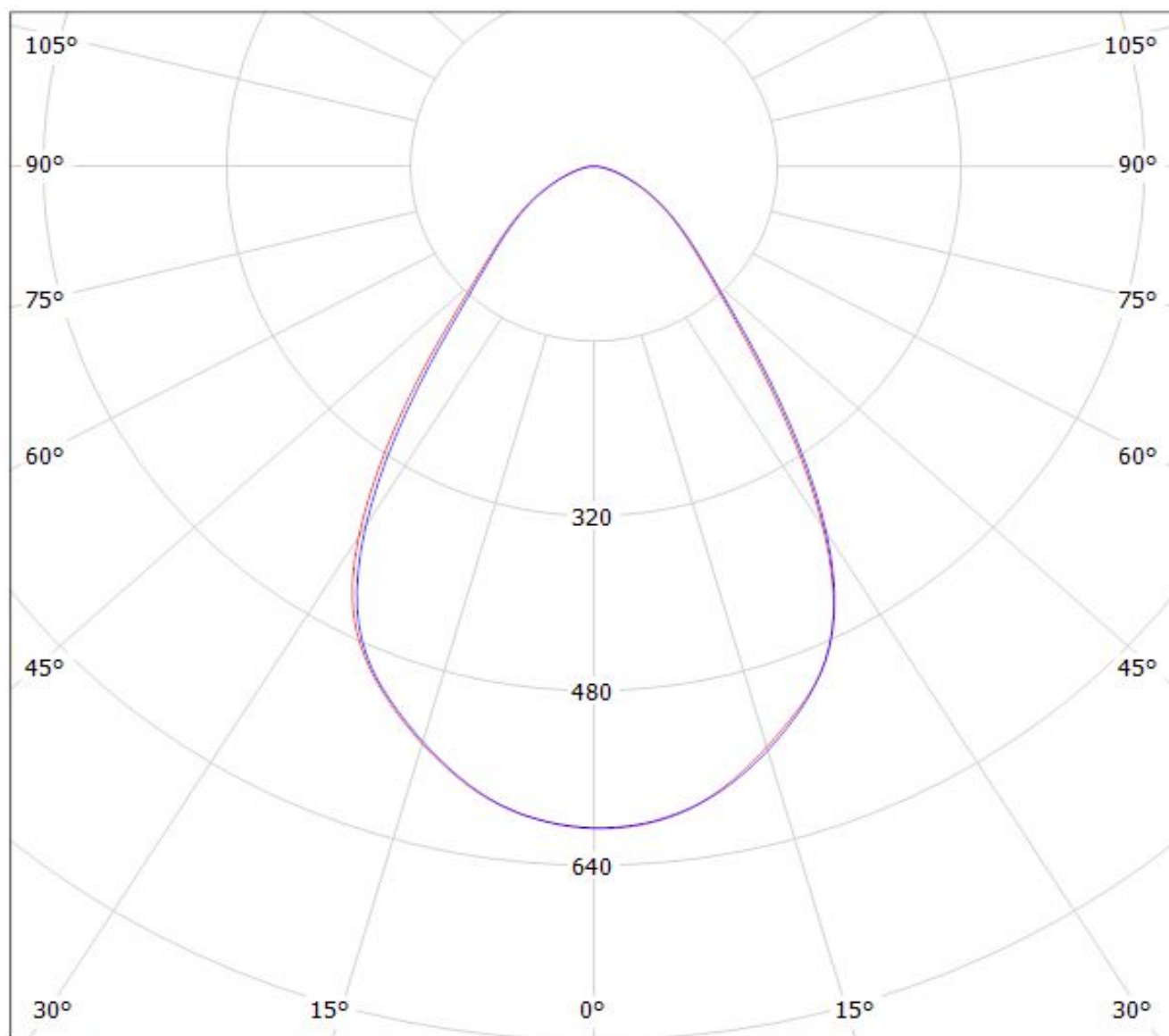
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN14212_MIRELLA-XW-PF-DL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1010lm@250mA_P=7.48526W_I=249.8mA



cd/klm

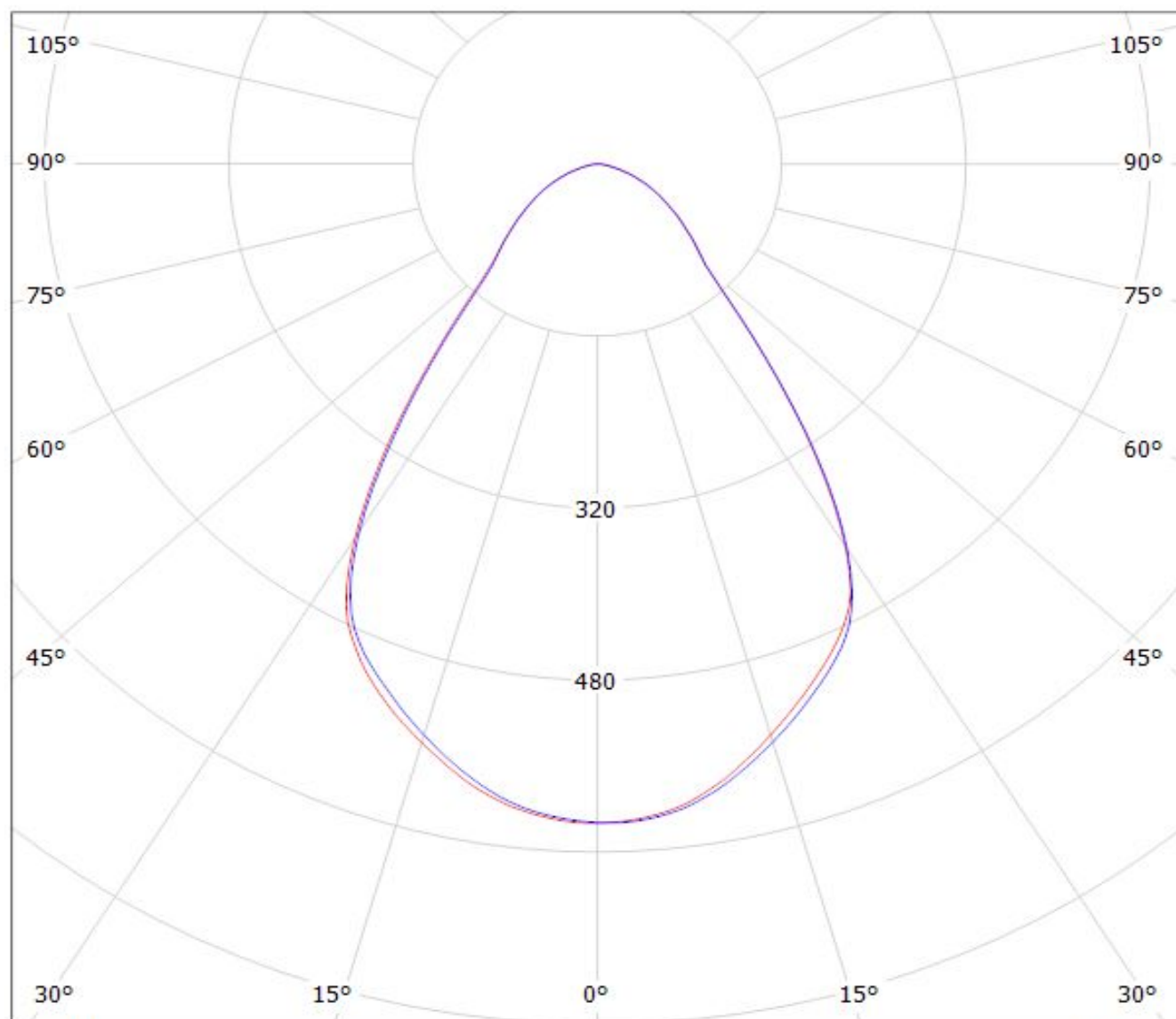
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN14211_MIRELLA-XW-PF-CL

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1010lm@250mA_P=7.48526W_I=249.8mA



cd/klm

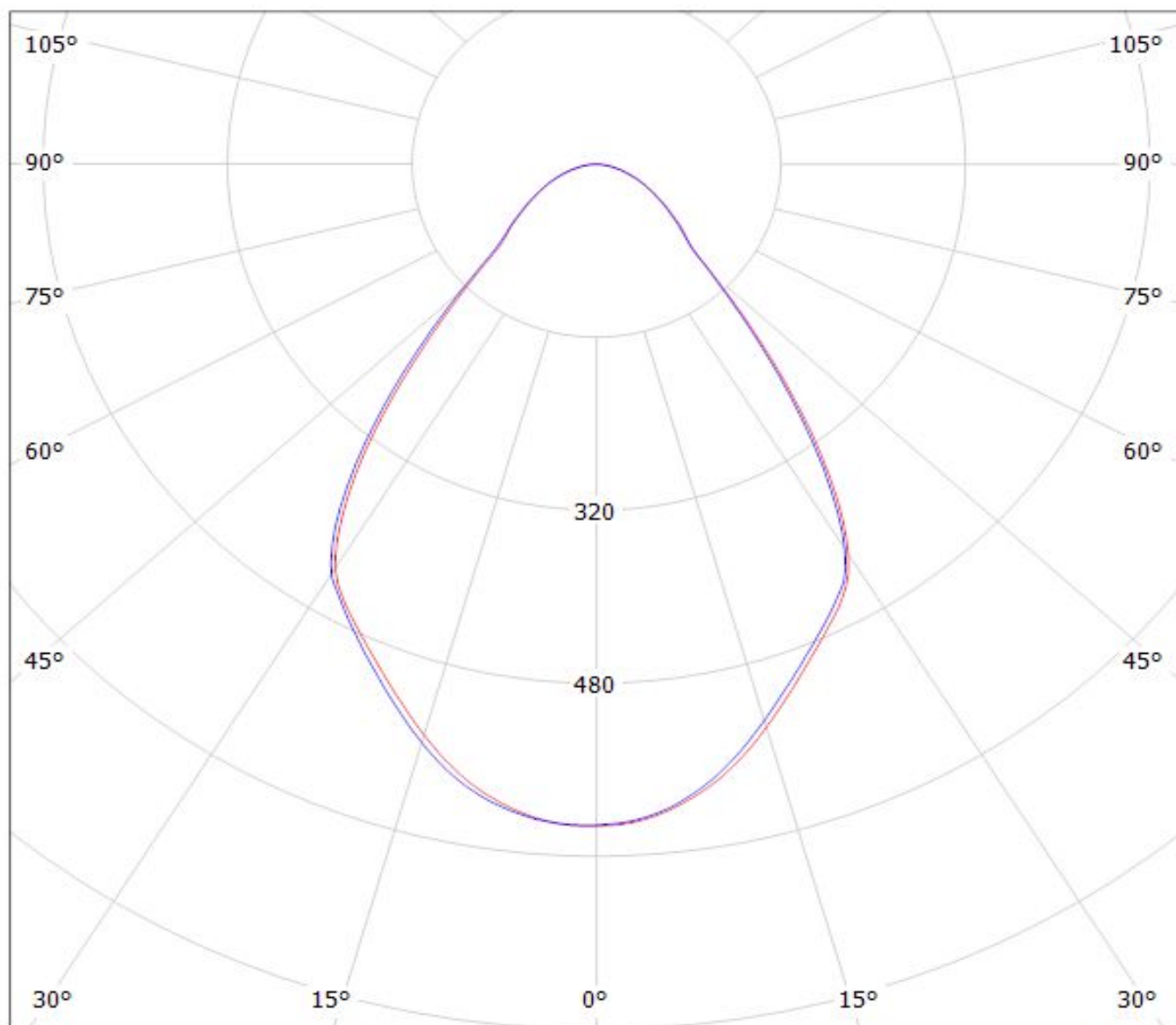
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy CN14209_MIRELLA-XW-PF-VERO13

Lamps: 1 x VERO13 BXRC-40E2000C CCT:4000K 1046lm@250mA P:7.7W



cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$