

**Product number F13325_ANGELINA-S**

Family	ANGELINA	FWHM	17 degrees
Type	Reflector	Efficiency	94 %
LED	BXRA ES Rectangle	cd/lm	3.000
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

Product number F13659_ANGELINA-S-B

Family	ANGELINA	FWHM	23 degrees
Type	Reflector	Efficiency	92 %
LED	BXRA ES Rectangle	cd/lm	2.170
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

Product number F13401_ANGELINA-M

Family	ANGELINA	FWHM	30 degrees
Type	Reflector	Efficiency	93 %
LED	BXRA ES Rectangle	cd/lm	1.570
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	""		
Status	Production ready		

Product number F13660_ANGELINA-M-B

Family	ANGELINA	FWHM	38 degrees
Type	Reflector	Efficiency	92 %
LED	BXRA ES Rectangle	cd/lm	1.320
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

PRODUCT DATASHEET

ANGELINA series

last update 16/1/2015

**Product number F13402_ANGELINA-W**

Family	ANGELINA	FWHM	43 degrees
Type	Reflector	Efficiency	93 %
LED	BXRA ES Rectangle	cd/lm	1.210
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Production ready		

Product number F13839_ANGELINA-XW-B

Family	ANGELINA	FWHM	94 degrees
Type	Reflector	Efficiency	94 %
LED	BXRA ES Rectangle	cd/lm	0.478
Color	White	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	HRPC		
Holder Material	-		
Fastening	-		
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.



PRODUCT DATASHEET ANGELINA series

last update 16/1/2015

GENERAL INFORMATION

- Product series especially designed & optimized for BXRA ES Rectangle 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).

D

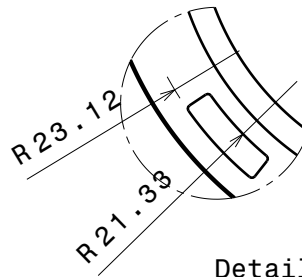
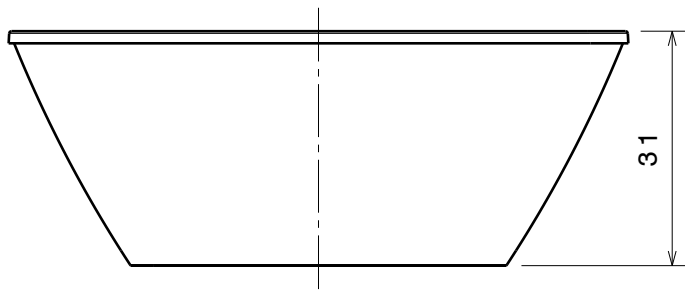
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B

A

4

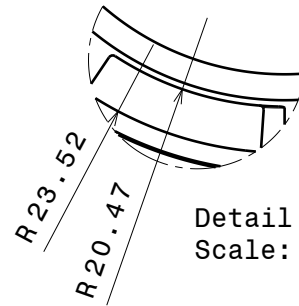
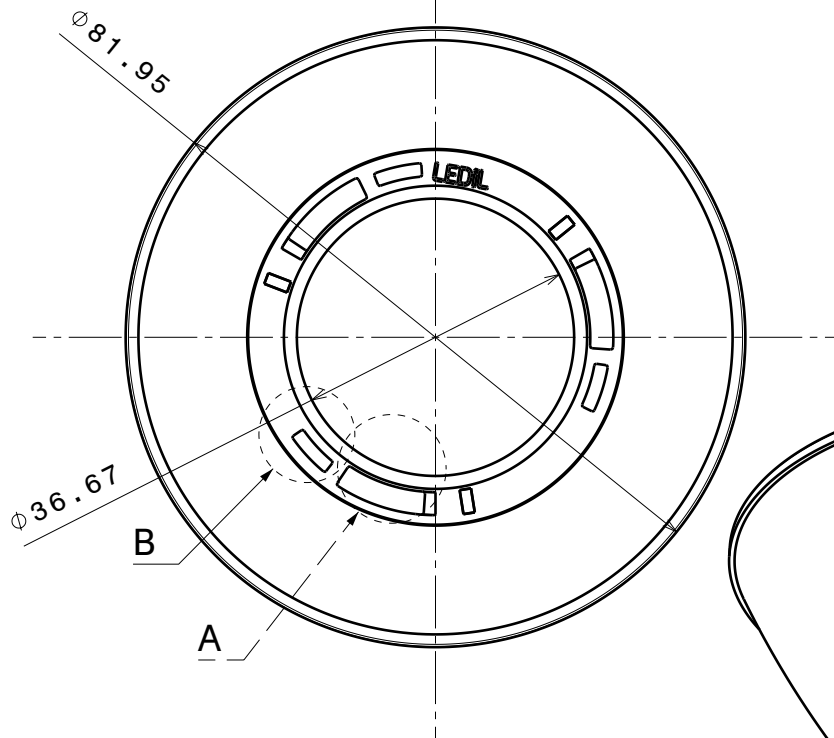
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Detail B
Scale: 2:1

3

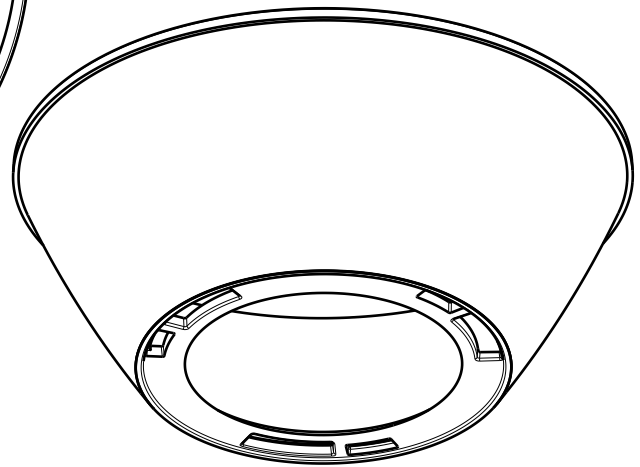
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Detail A
Scale: 2:1

2

2



1

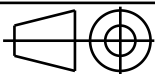
1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA	PC	metal

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

ANGELINA series Reflector

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SIZE PART NUMBER

A4

-

SCALE 1:1 WEIGHT

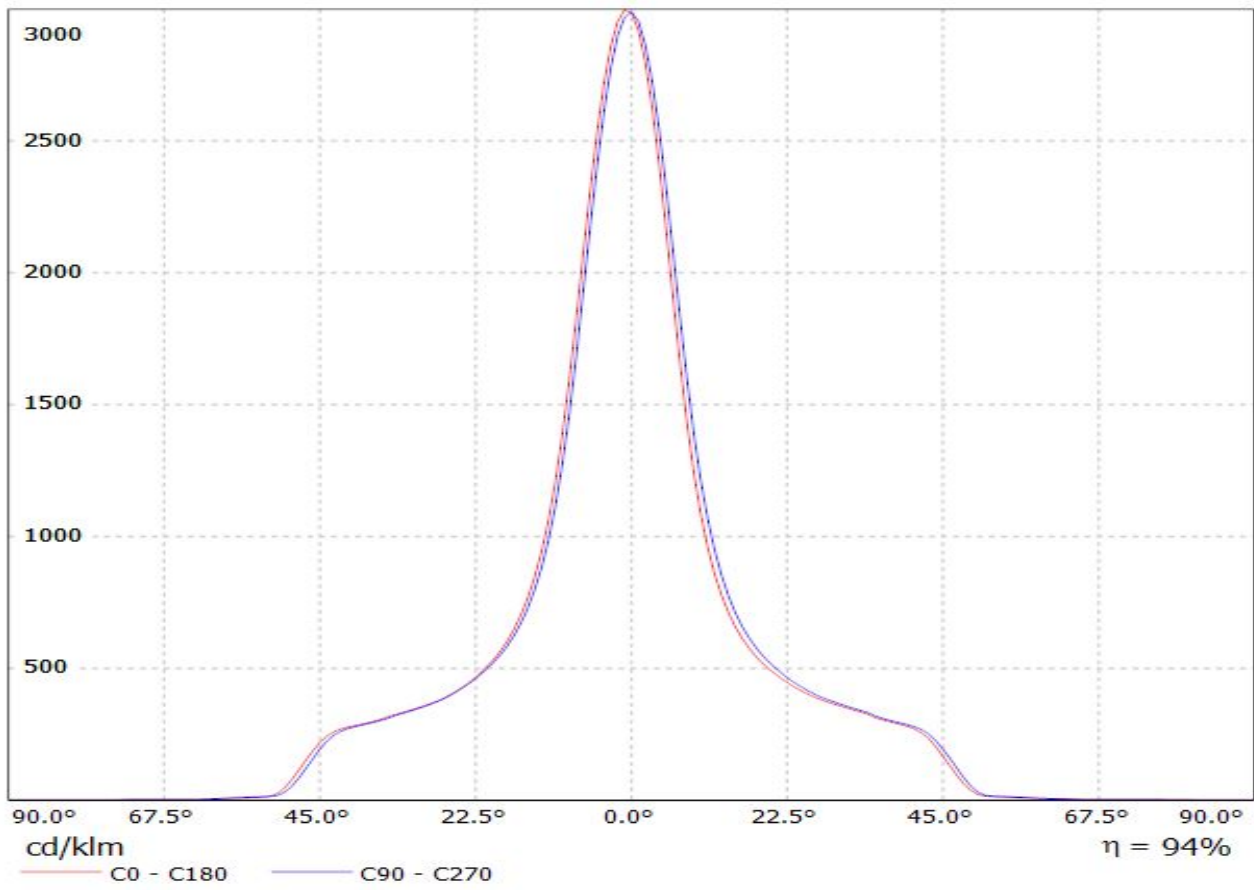
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SHEET 1/1

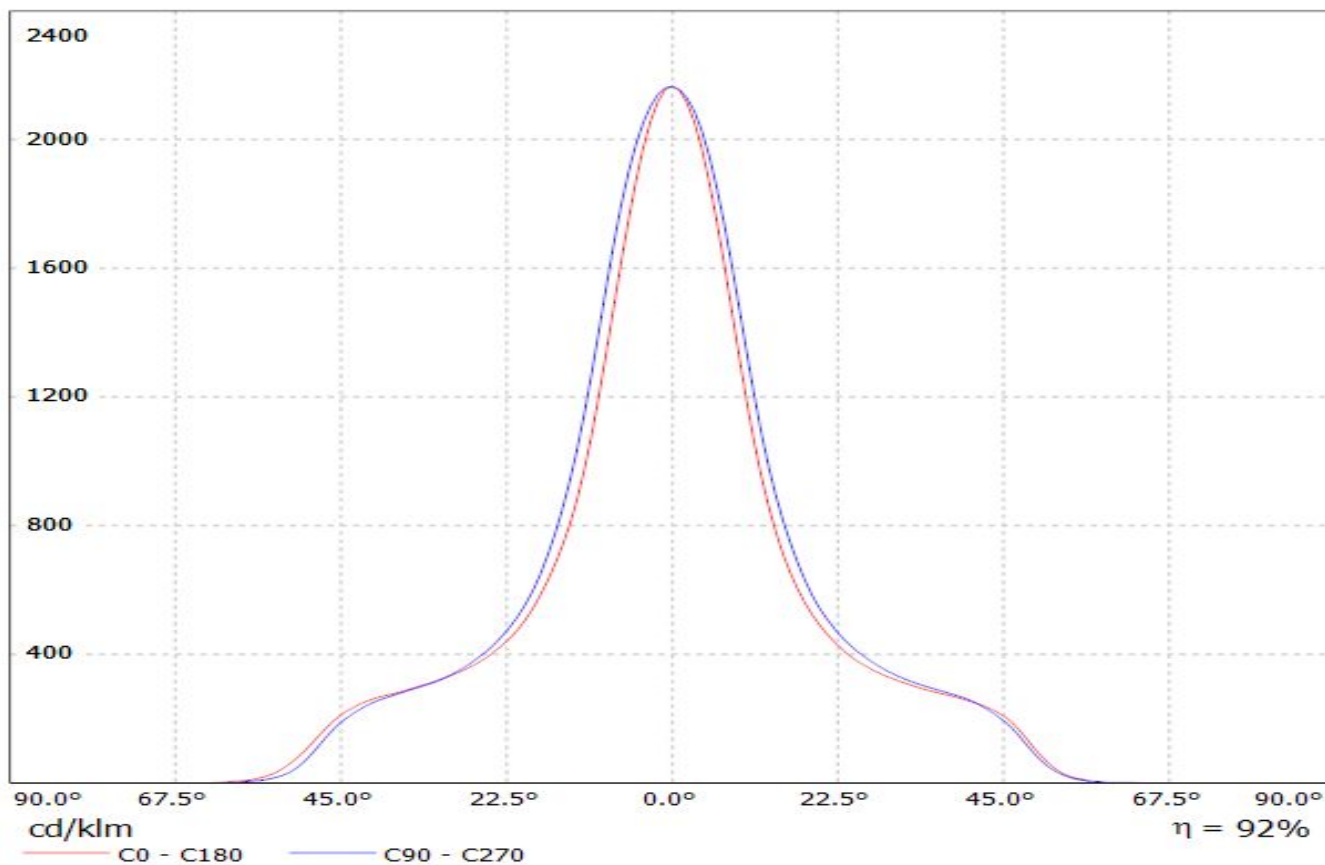
D

A

Luminaire: LEDiL Oy F13325_ANGELINA-S (BXRA_ES) Eff.93.8%
Lamps: 1 x BXRA_ES_(BXRA-W1203_102820-3110)_281.549lm@250mA_P=4.09397W_I=249.8mA

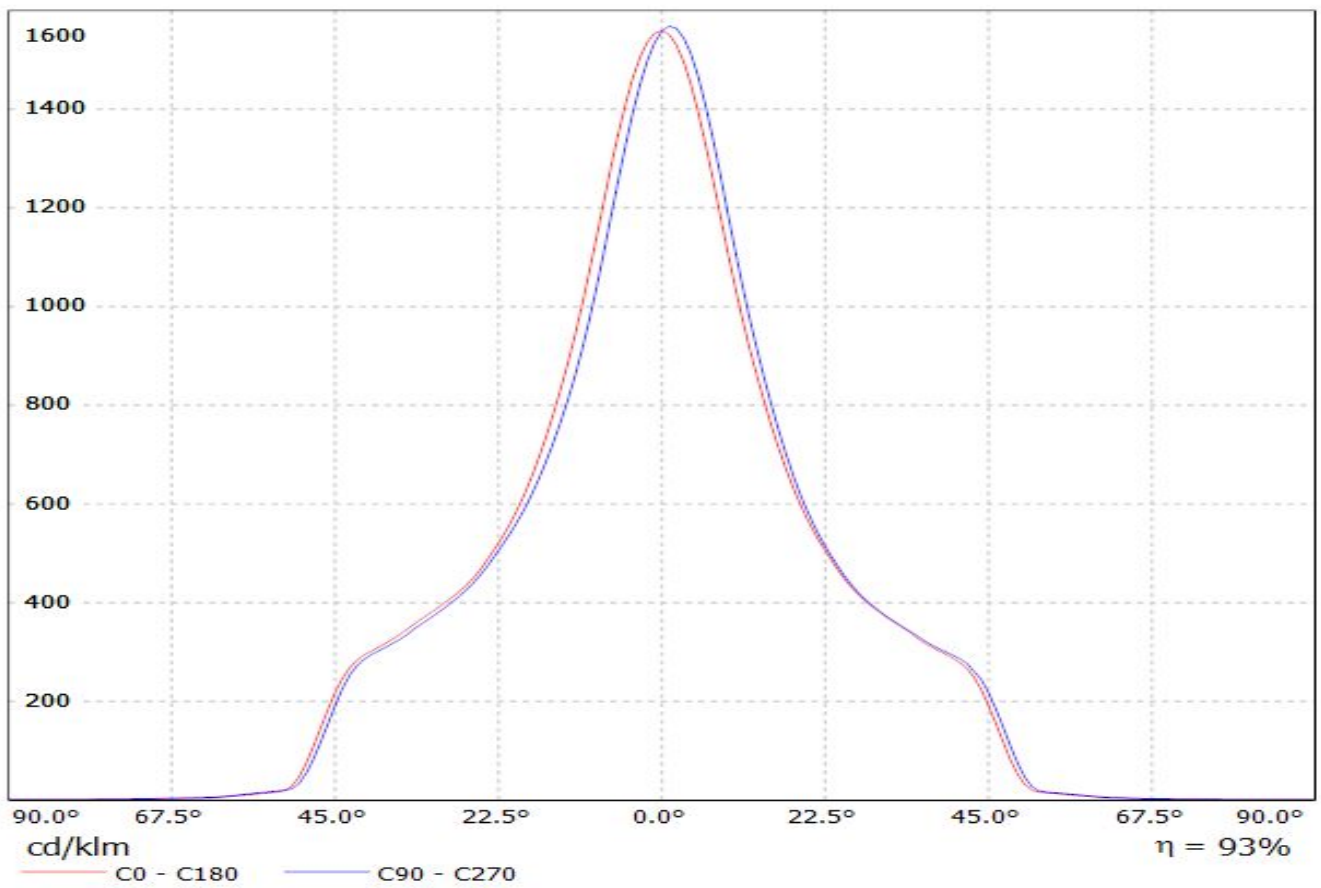


Luminaire: LEDiL F13659_ANGELINA-S-B
Lamps: 1 x BXRA_ES 285lm@250mA (W1206-102820-3110) P:4W

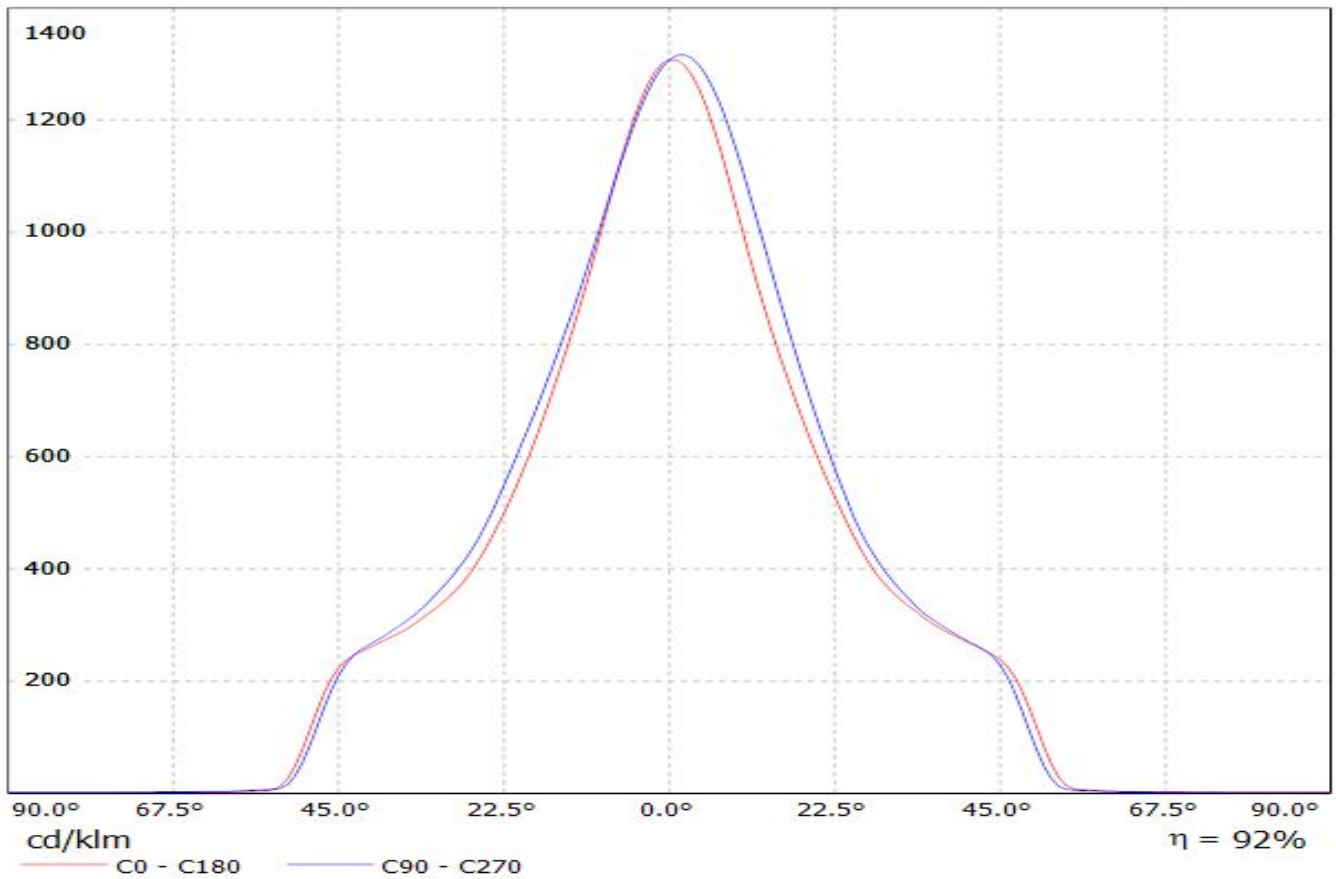


Luminaire: LEDiL Oy F13401_ANGELINA-M_(BXRA_ES) Eff.92.6%

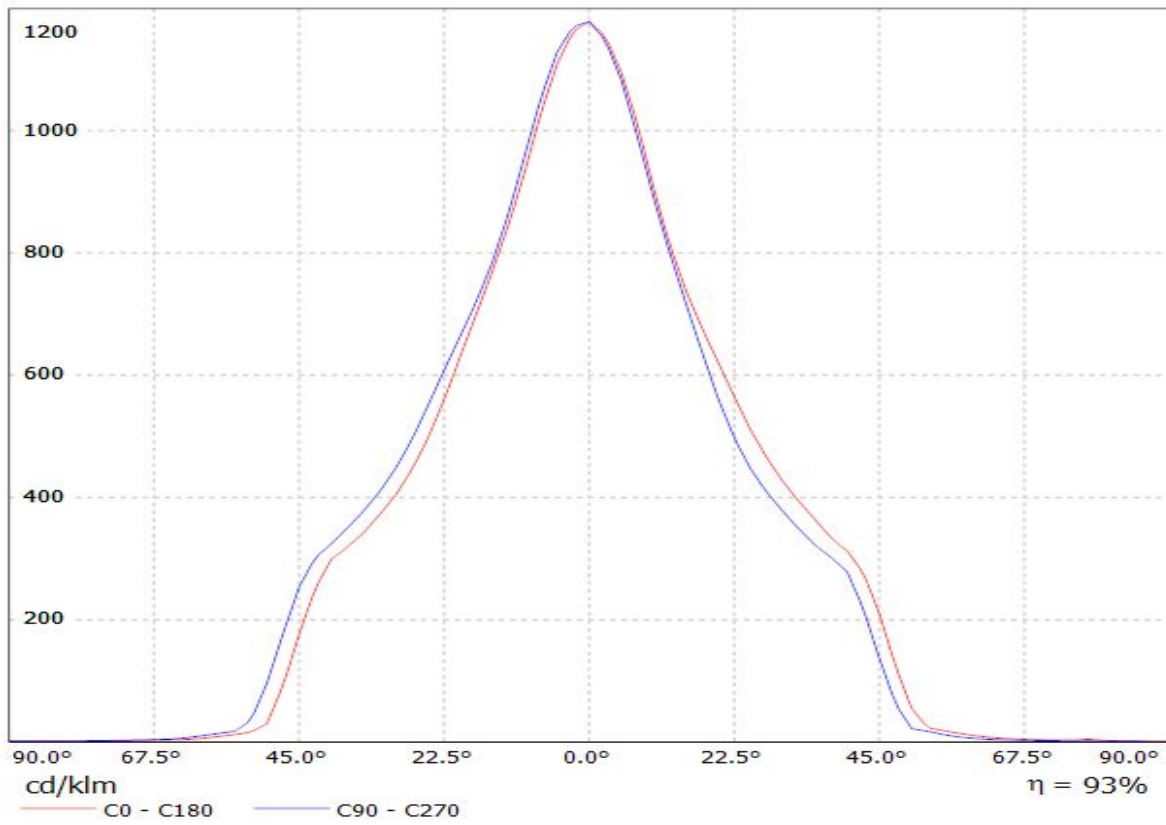
Lamps: 1 x BXRA_ES_(BXRA-W1203_102820-3110)_281.549lm@250mA_P=4.09397W_I=249.8mA



Luminaire: LEDiL Oy C13660_ANGELINA-M-B (BXRA_ES) Eff. 92%
Lamps: 1 x Bridgelux BXRA_ES_(QQ40_BXRA-W1202_1019A-2010) 268lm@250mA_P=3.36W_I=250mA

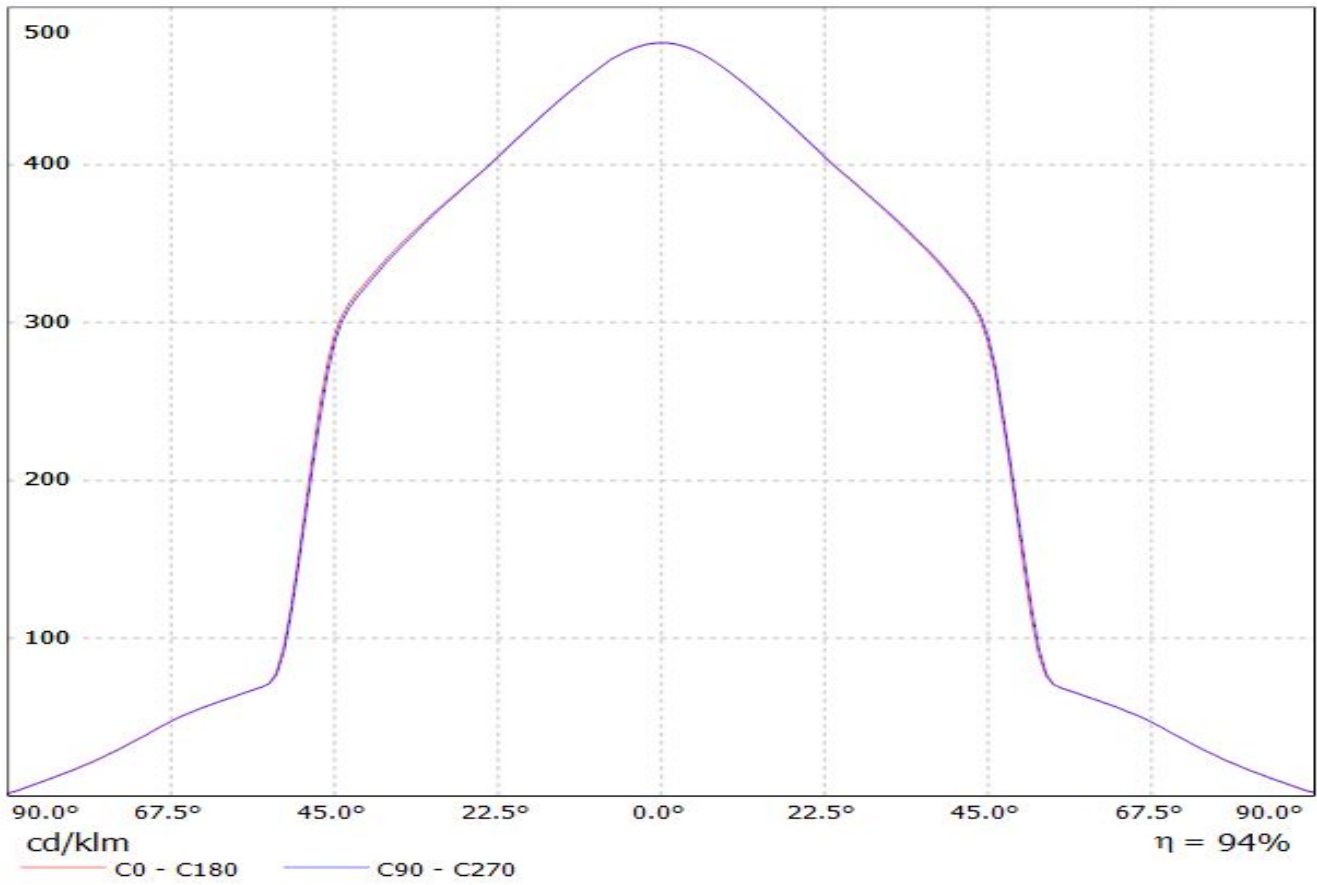


Luminaire: LEDiL Oy F13402_ANGELINA-W_(MEGAZENIGATA) Eff.93.0%
Lamps: 1 x SHARP_MEGAZENIGATA_(GW6DME30NFC)_1238.26lm@250mA_CCT=3000K_P=11.1211W_I=249.8mA



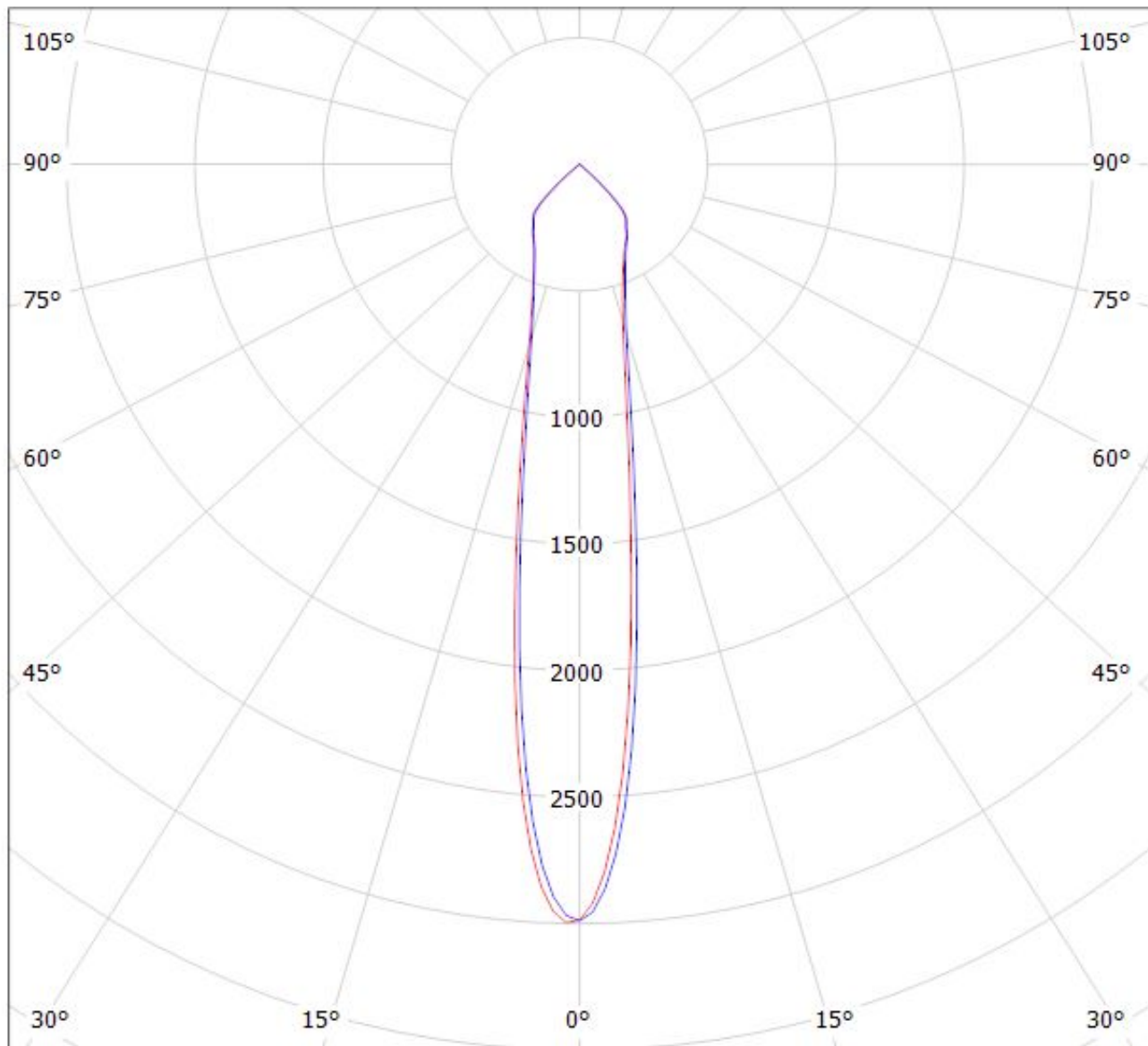
Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(BXRA_ES)

Lamps: 1 x BXRA_ES_(W1203-102820-3110)_298m@250mA_P=4.09661W_I=249.9mA



Luminaire: LEDiL Oy F13325_ANGELINA-S_(BXRA_ES) Eff.93.8%

Lamps: 1 x BXRA_ES_(BXRA-W1203_102820-3110)_281.549lm@250mA_P=4.09397W_I=249.8mA



cd/klm

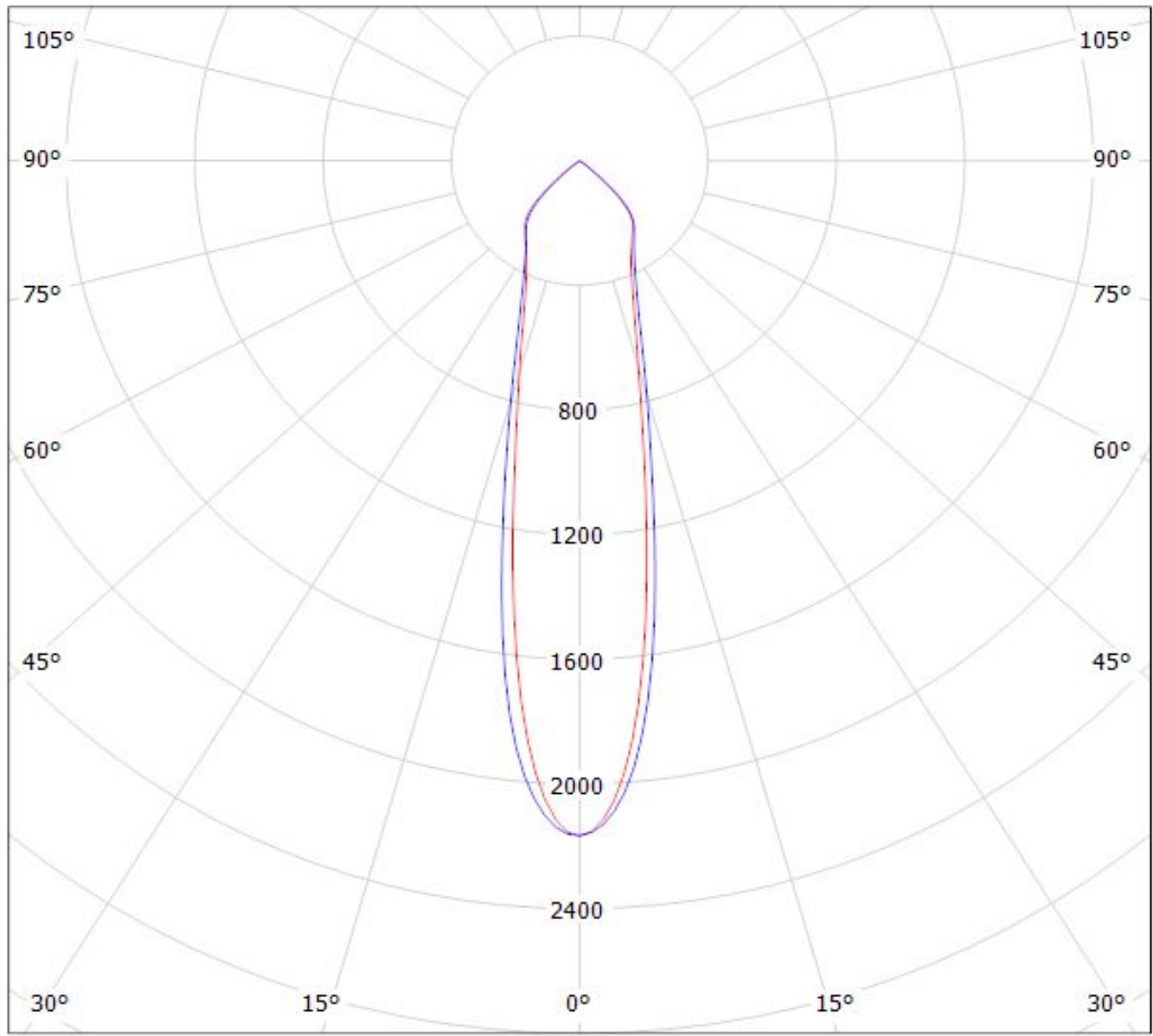
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL F13659_ANGELINA-S-B

Lamps: 1 x BXRA_ES 285lm@250mA (W1206-102820-3110) P:4W



cd/klm

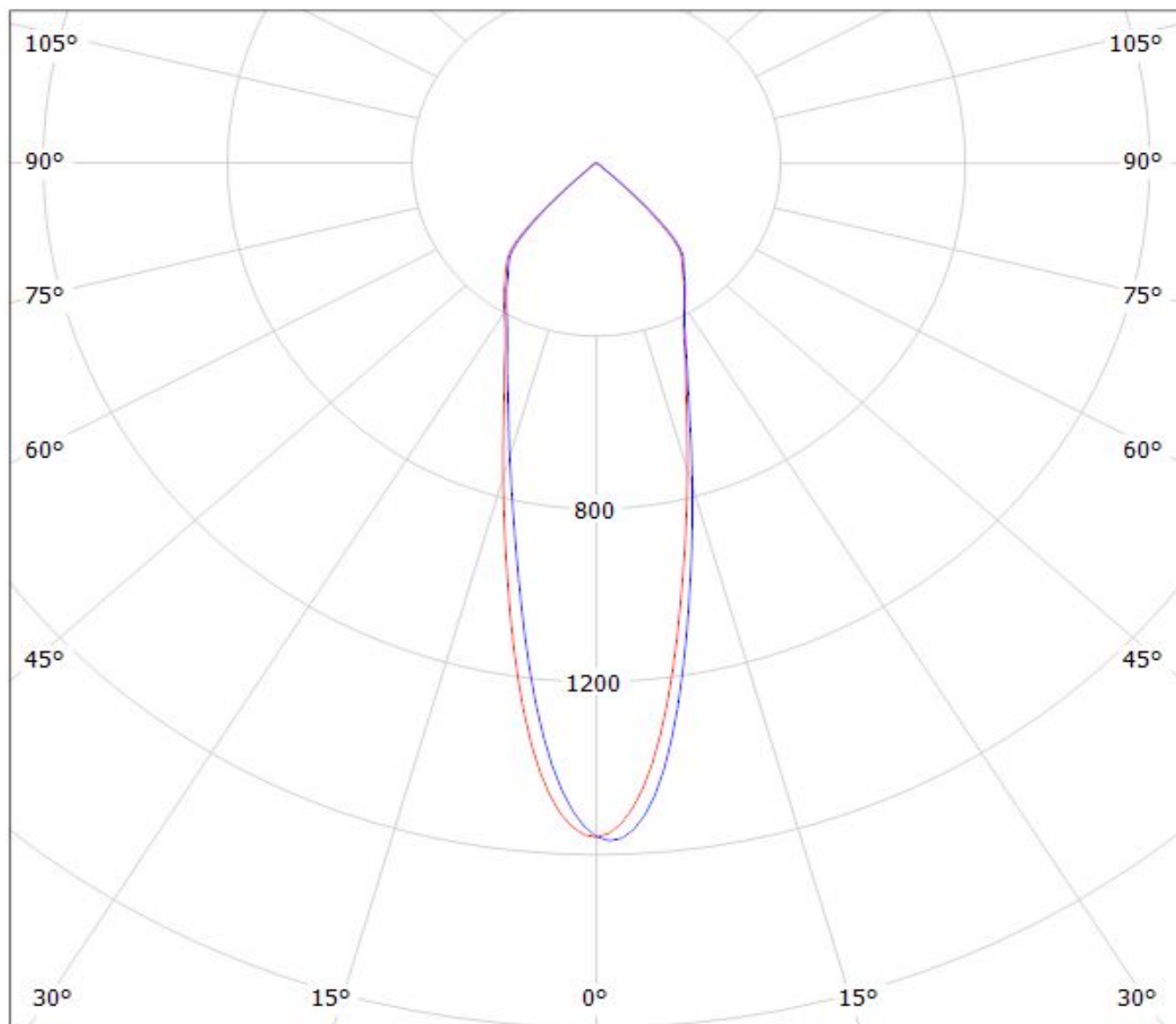
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13401_ANGELINA-M_(BXRA_ES) Eff.92.6%

Lamps: 1 x BXRA_ES_(BXRA-W1203_102820-3110)_281.549lm@250mA_P=4.09397W_I=249.8mA



cd/klm

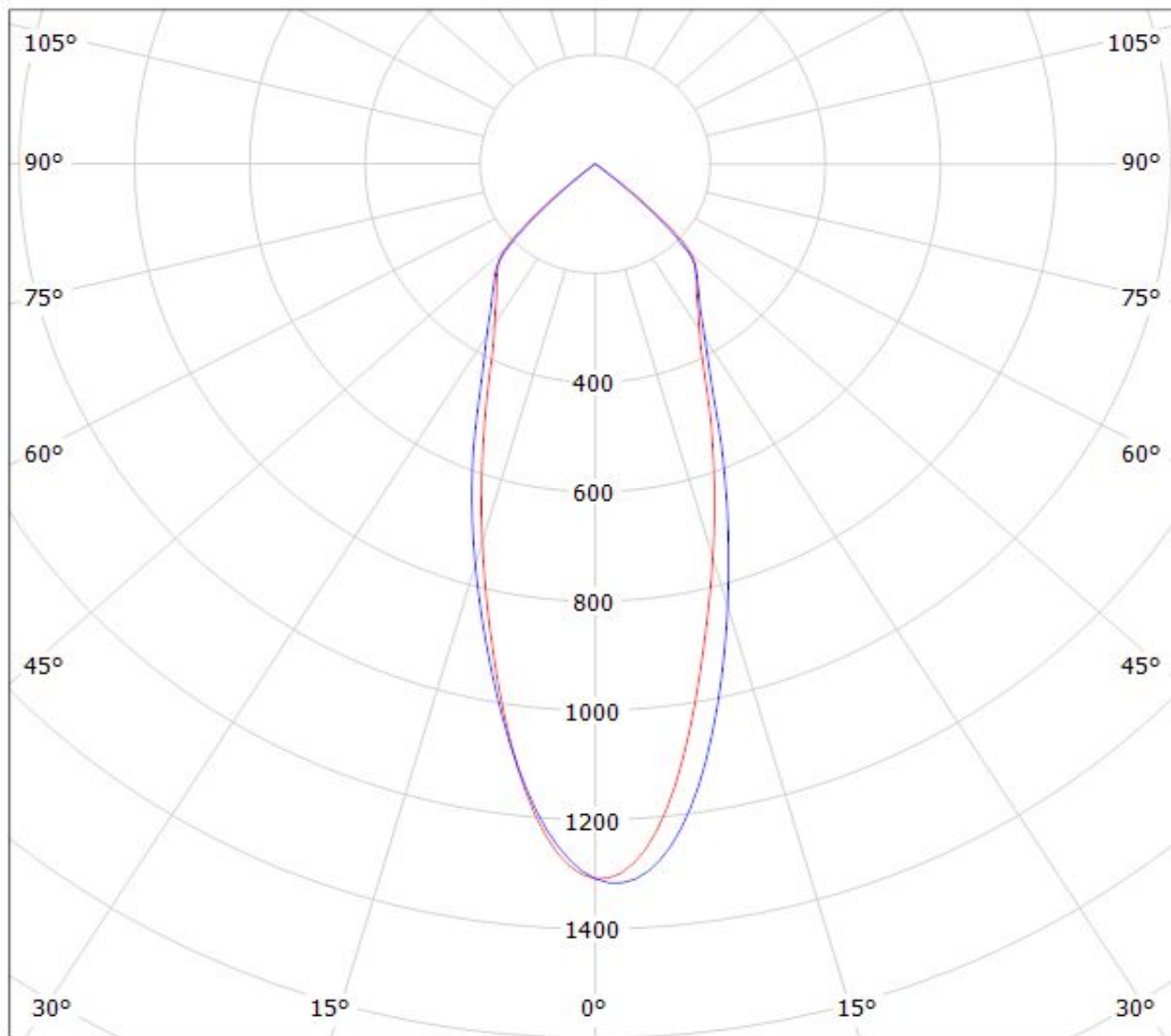
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy C13660_ANGELINA-M-B_(BXRA_ES) Eff. 92%

Lamps: 1 x Bridgelux BXRA_ES_(QQ40_BXRA-W1202_1019A-2010) 268lm@250mA_P=3.36W_I=250mA



cd/klm

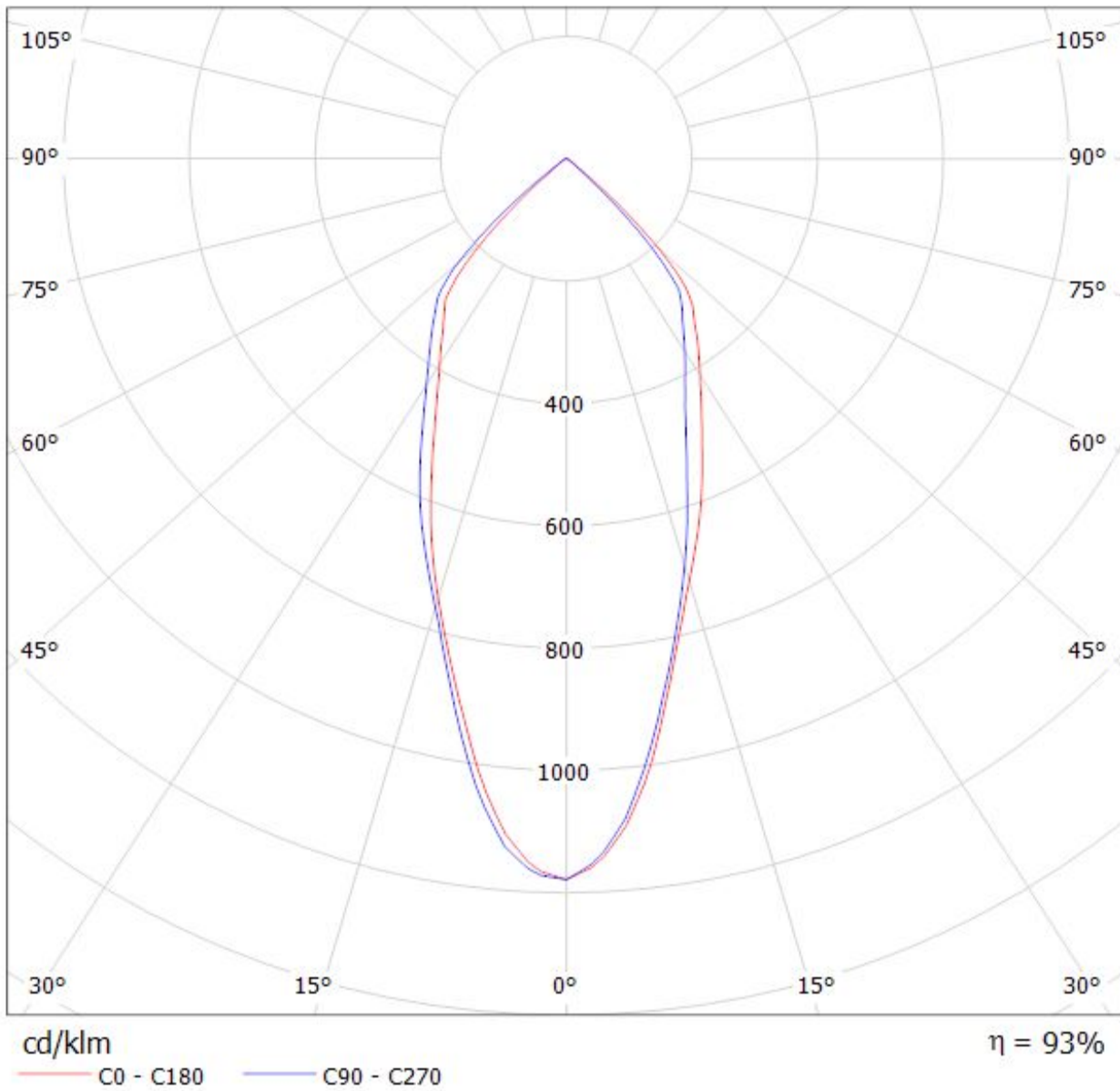
$\eta = 92\%$

— C0 - C180

— C90 - C270

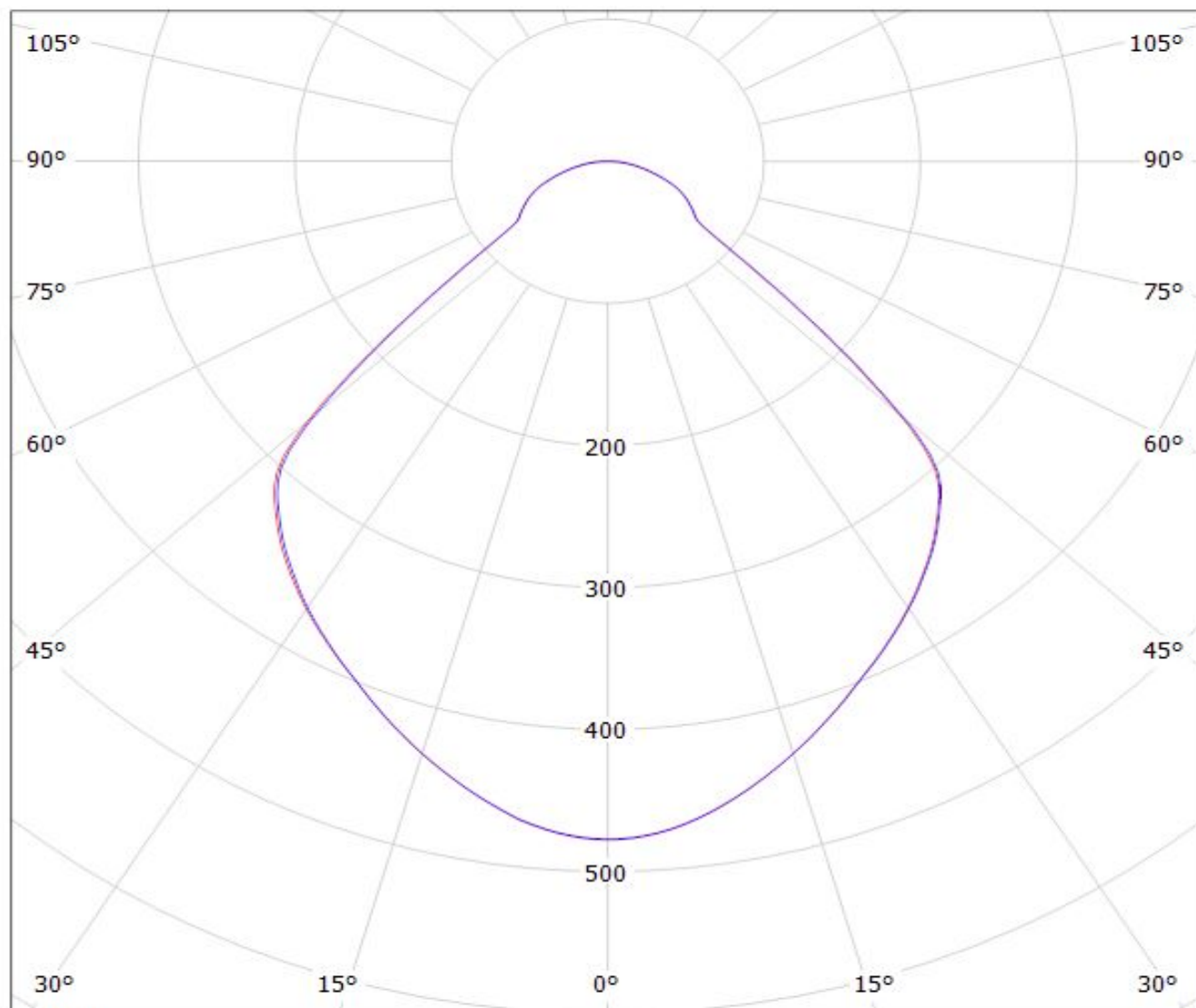
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Lamps: 1 x SHARP_MEGAZENIGATA_(GW6DME30NFC)_1238.26lm@250mA_CCT=3000K_P=11.1211W_I=249.8n



Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(BXRA_ES)

Lamps: 1 x BXRA_ES_(W1203-102820-3110)_298m@250mA_P=4.09661W_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$