PRODUCT DATASHEET
ANGELINA series
last update 17/10/2014



Product number **F13325_ANGELINA-S**

Family	ANGELINA	FWHM	19 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	2.710
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13325_ANGELINA-S**

Family	ANGELINA	FWHM	22 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	2.450
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13659_ANGELINA-S-B**

Family	ANGELINA	FWHM	22 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	2.250
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13659_ANGELINA-S-B**

Family	ANGELINA	FWHM	23 degrees
Type	Reflector	Efficiency	92 %
LED	CLL03x/CLU034	cd/lm	2.150
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

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PRODUCT DATASHEET
ANGELINA series
last update 17/10/2014



Product number **F13401_ANGELINA-M**

Family	ANGELINA	FWHM	30 degrees
Type	Reflector	Efficiency	92 %
LED	CLL03x/CLU034	cd/lm	1.550
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13401_ANGELINA-M**

Family	ANGELINA	FWHM	35 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	1.400
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13660_ANGELINA-M-B**

Family	ANGELINA	FWHM	37 degrees
Type	Reflector	Efficiency	92 %
LED	CLL03x/CLU034	cd/lm	1.400
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13660_ANGELINA-M-B**

Family	ANGELINA	FWHM	39 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	1.220
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

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PRODUCT DATASHEET
ANGELINA series
last update 17/10/2014



Product number **F13402_ANGELINA-W**

Family	ANGELINA	FWHM	43 degrees
Type	Reflector	Efficiency	93 %
LED	CLL03x/CLU034	cd/lm	1.190
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13402_ANGELINA-W**

Family	ANGELINA	FWHM	48 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	1.090
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13661_ANGELINA-W-B**

Family	ANGELINA	FWHM	49 degrees
Type	Reflector	Efficiency	92 %
LED	CLL03x/CLU034	cd/lm	1.000
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13661_ANGELINA-W-B**

Family	ANGELINA	FWHM	55 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.900
Color	Metal	Gerber File	Available
Diameter	82 mm	For BJB connectors	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

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PRODUCT DATASHEET
ANGELINA series
last update 17/10/2014



Product number **F13838_ANGELINA-XW**

Family	ANGELINA	FWHM	89 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.500
Color	White	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13839_ANGELINA-XW-B**

Family	ANGELINA	FWHM	93 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.500
Color	White	Gerber File	Available
Diameter	82 mm	For BJB connector 47.319.2030	
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



Product number **F13839_ANGELINA-XW-B**

Family	ANGELINA	FWHM	93 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.490
Color	White	Gerber File	Available
Diameter	82 mm	For BJB connector 47.319.2030	
Height	31 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.

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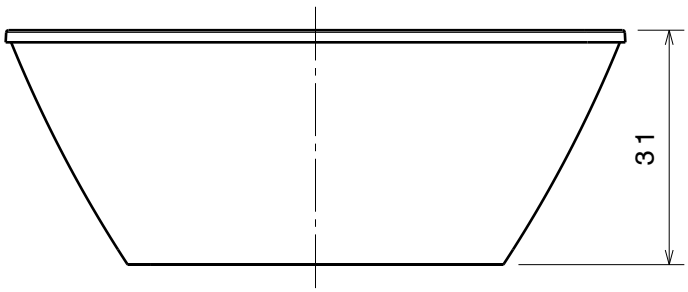
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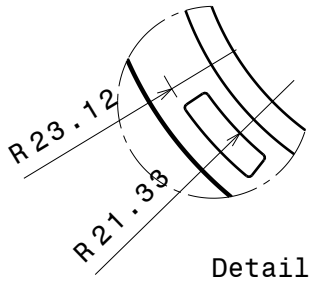
GENERAL INFORMATION

- Product series especially designed & optimized for CLL03x/CLU034 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).

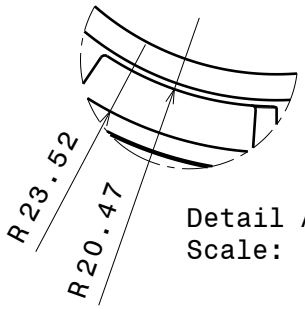
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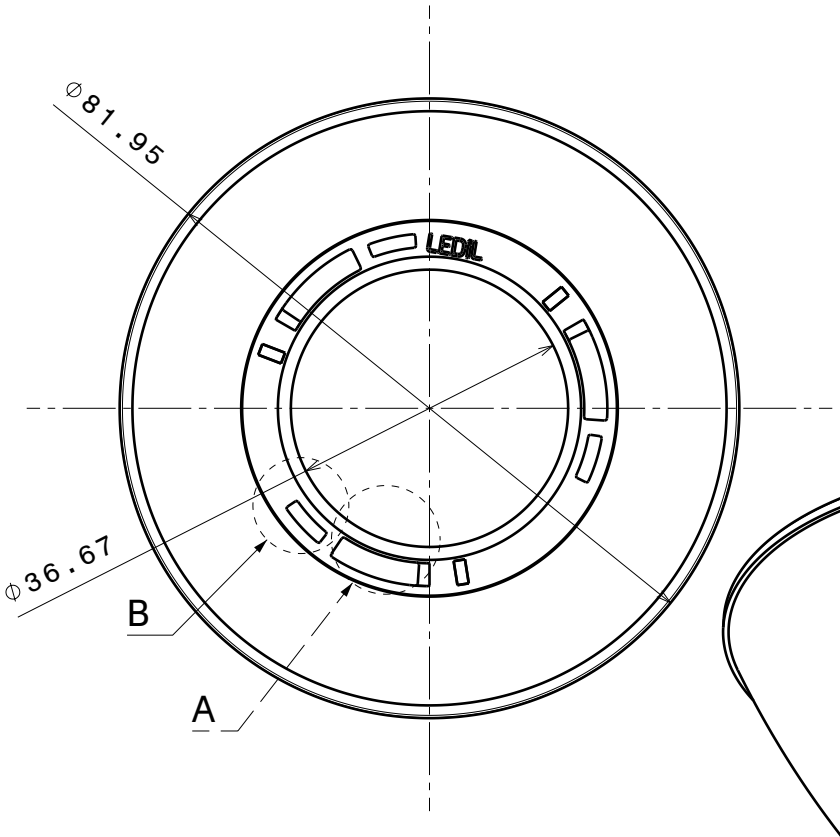


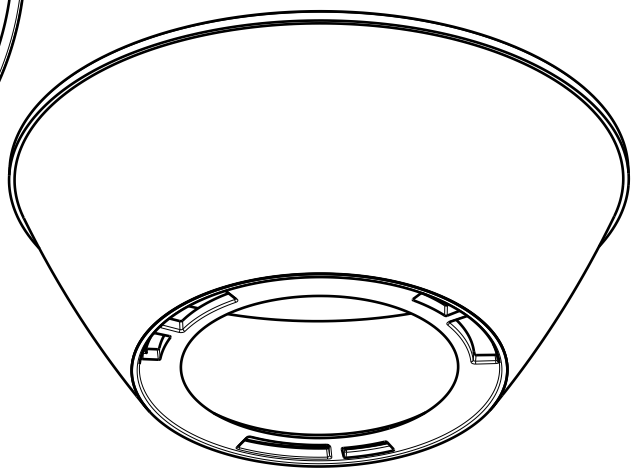


Detail B
Scale: 2:1



Detail A
Scale: 2:1





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

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THIRD ANGLE PROJECTION:

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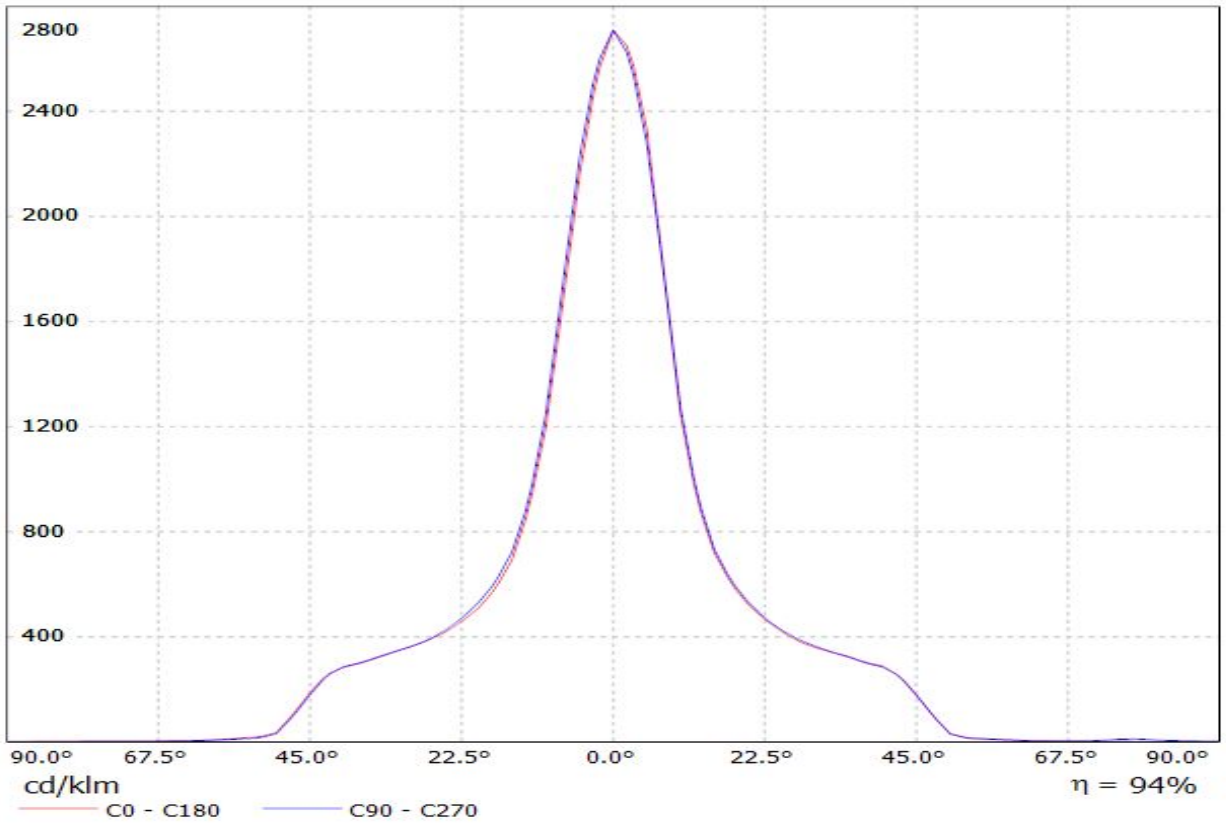
DRAWING TITLE

ANGELINA series Reflector

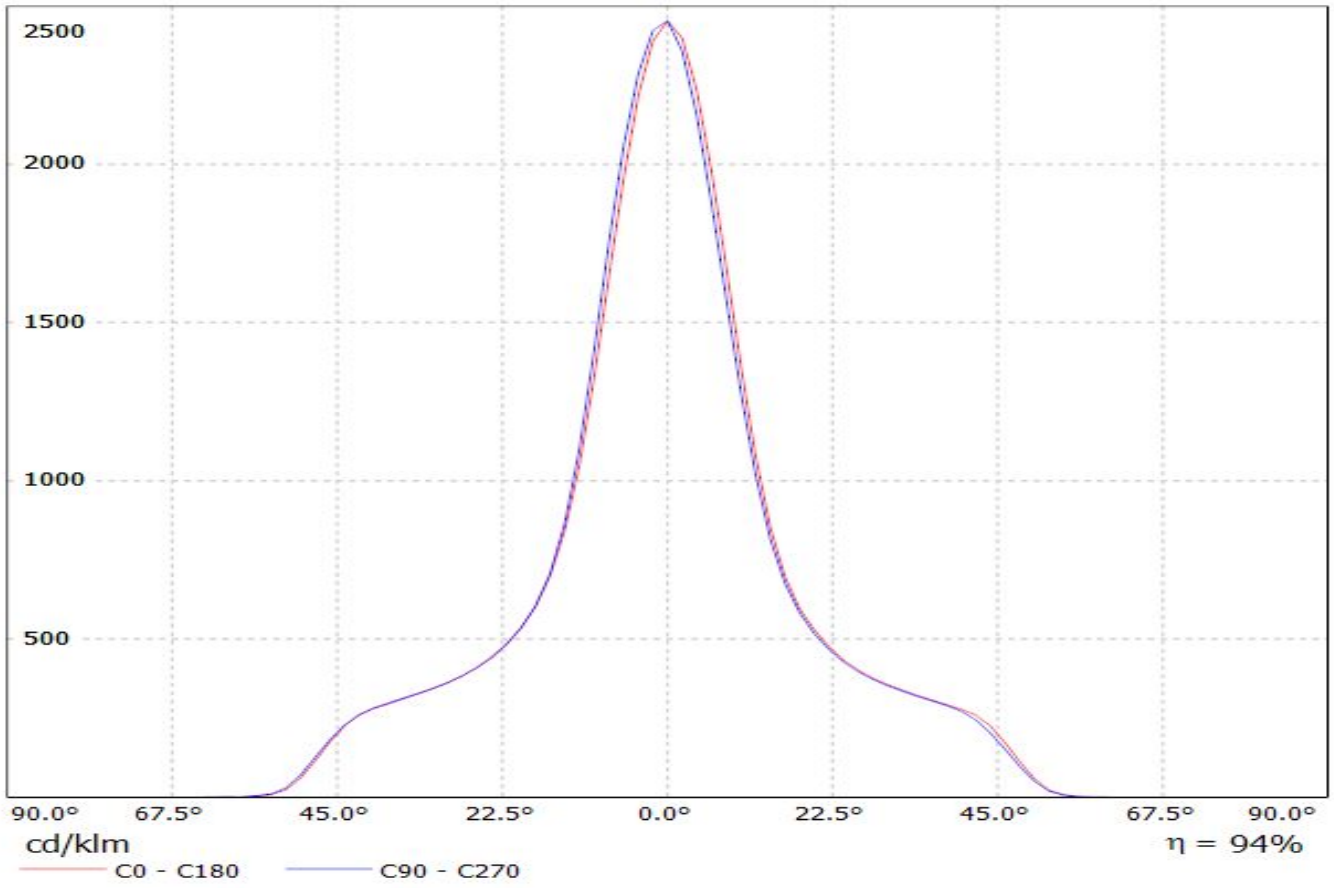
SIZE	PART NUMBER
A4	-

SCALE	WEIGHT		SHEET
1:1	-		1/1

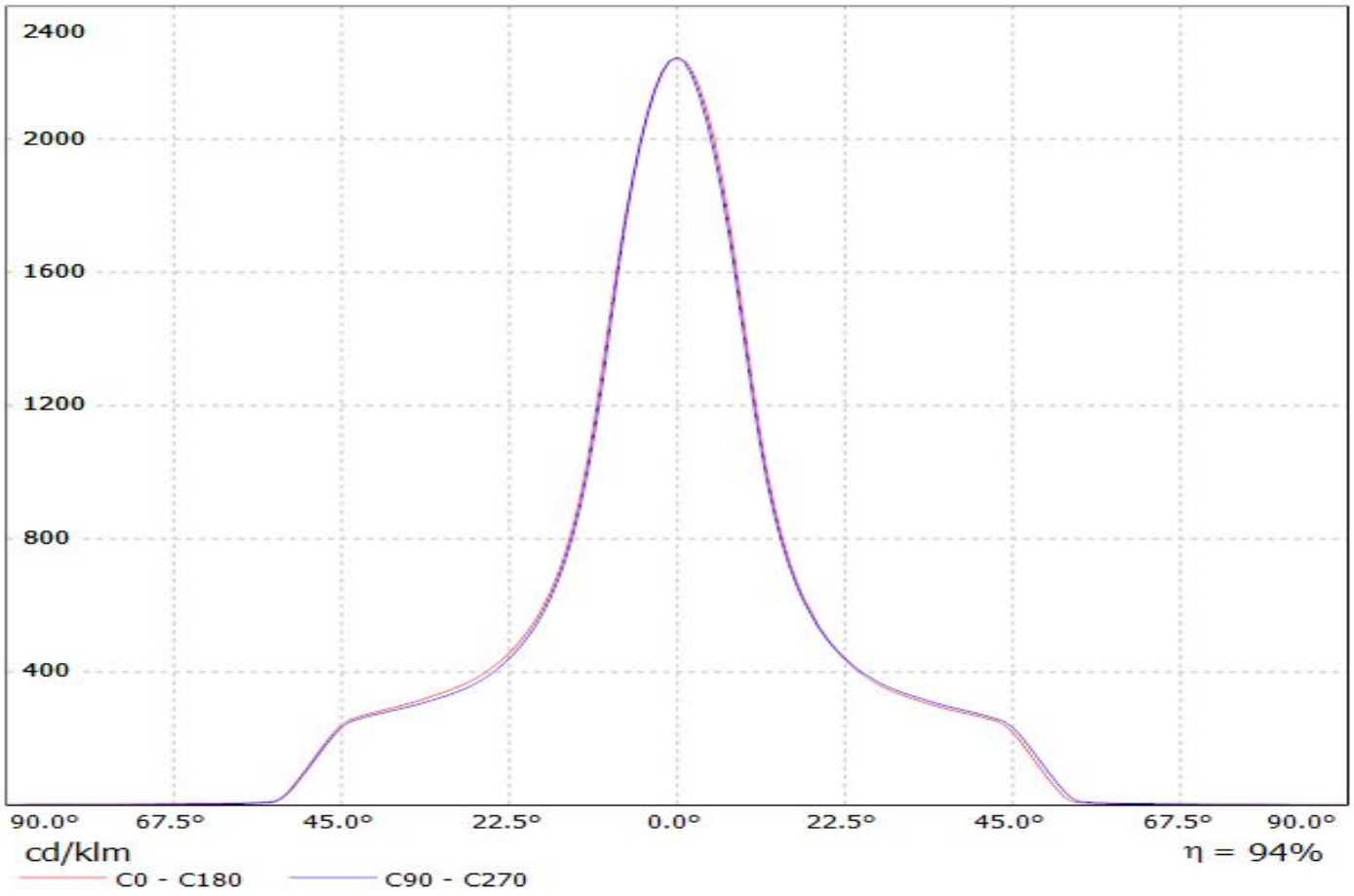
Luminaire: LEDiL Oy F13325_ANGELINA-S_(CLL030) Eff.93.6%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA



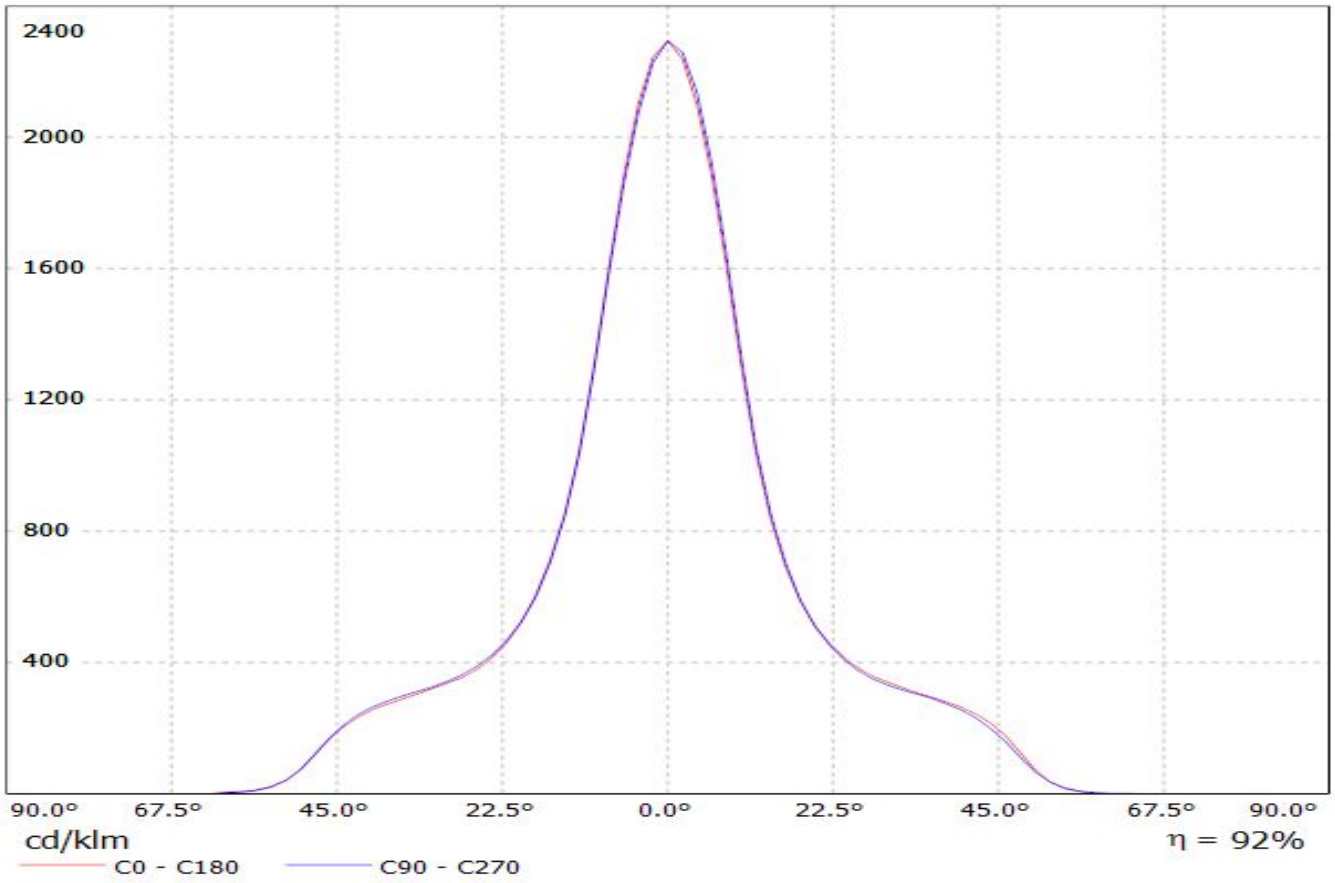
Luminaire: LEDiL F13325_ANGELINA-S_(CLL030)
Lamps: 1 x Citizen CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K



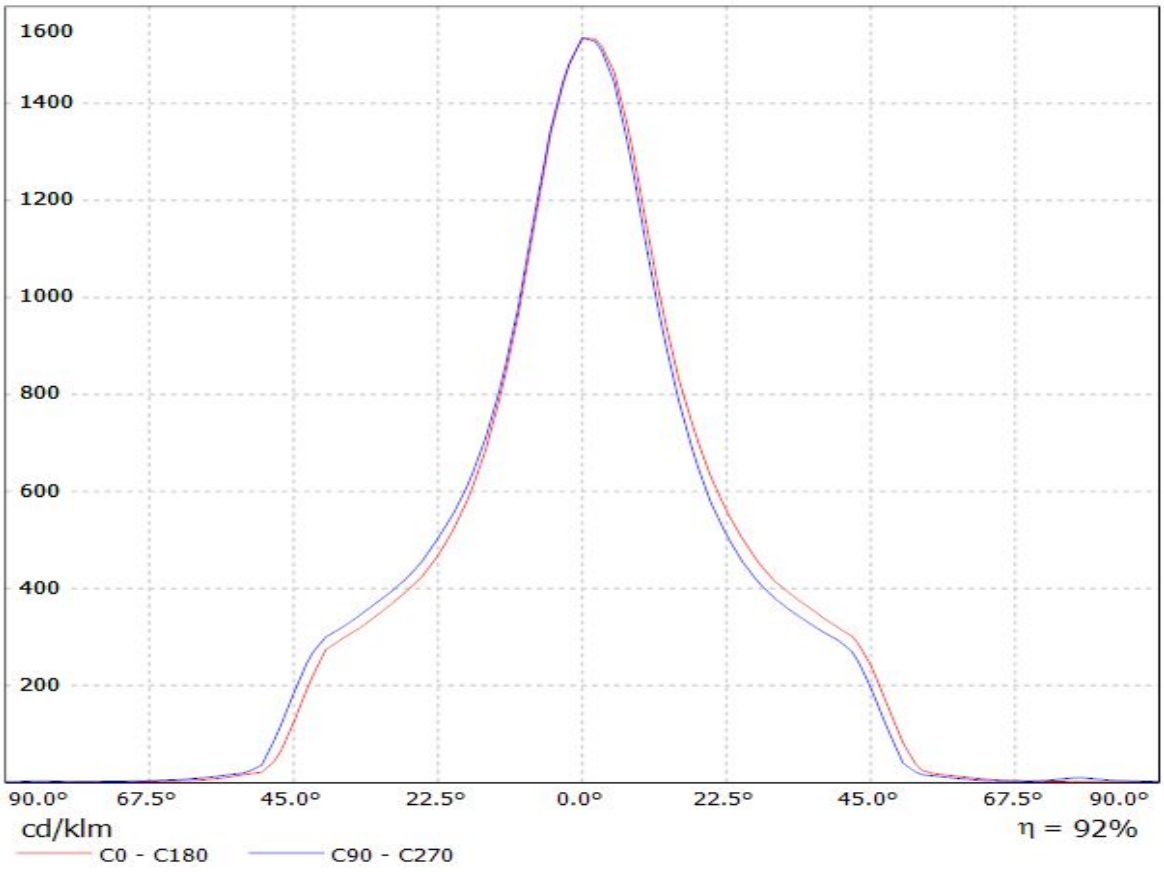
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



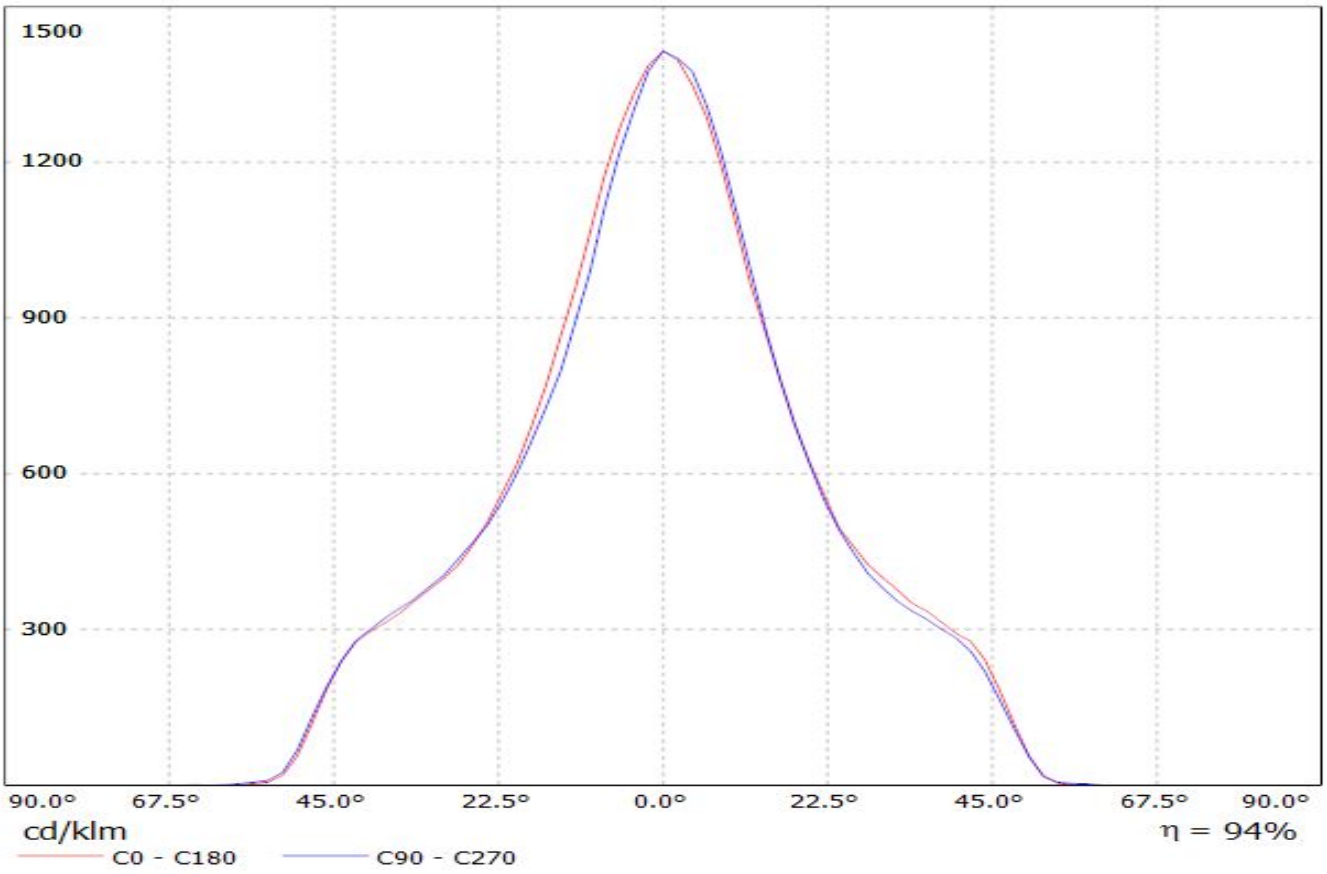
Luminaire: LEDiL F13659_ANGELINA-S-B
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W



Luminaire: LEDiL Oy F13401_ANGELINA-M_(CLL030) Eff.92.3%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA

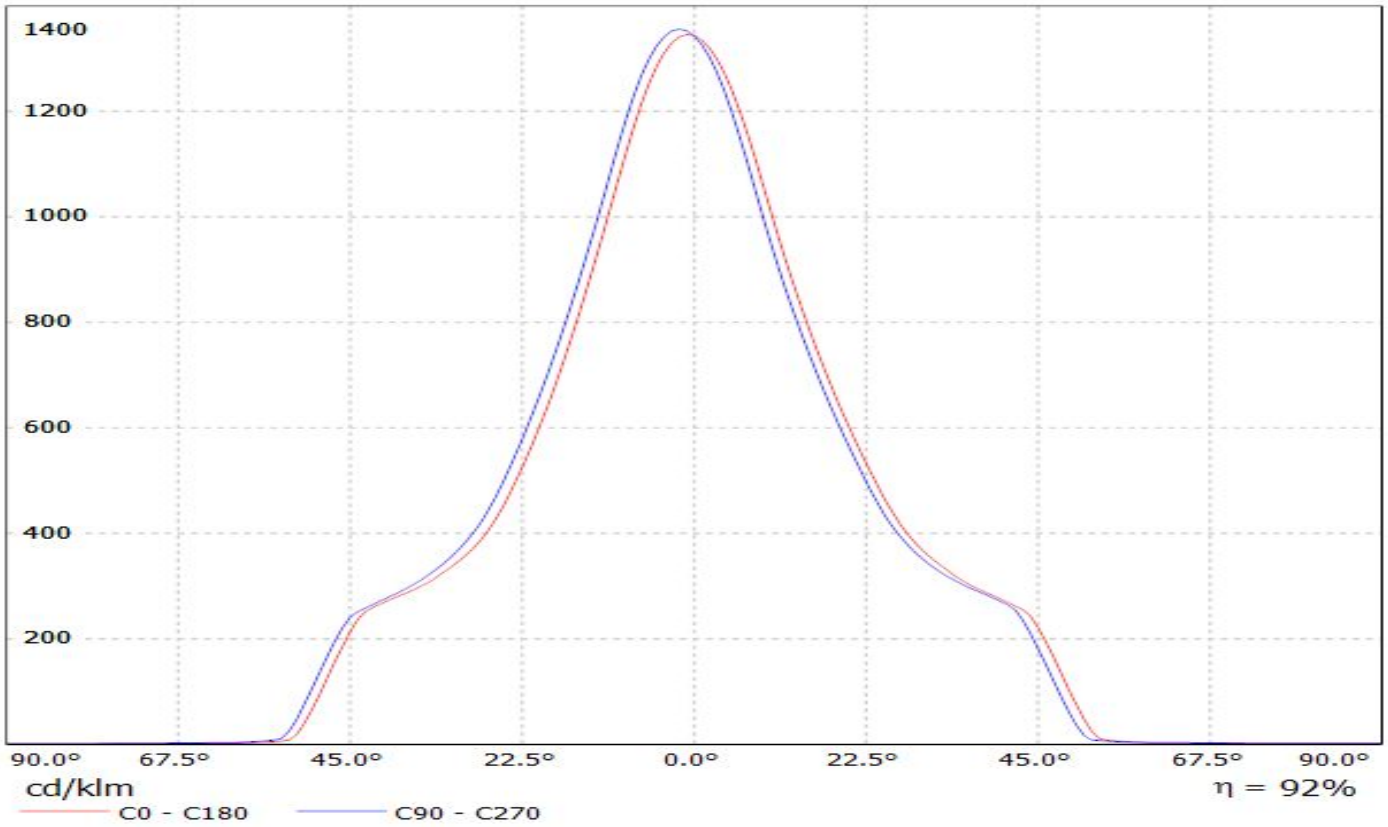


Luminaire: LEDiL F13401_ANGELINA-M_(CLL030)
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W

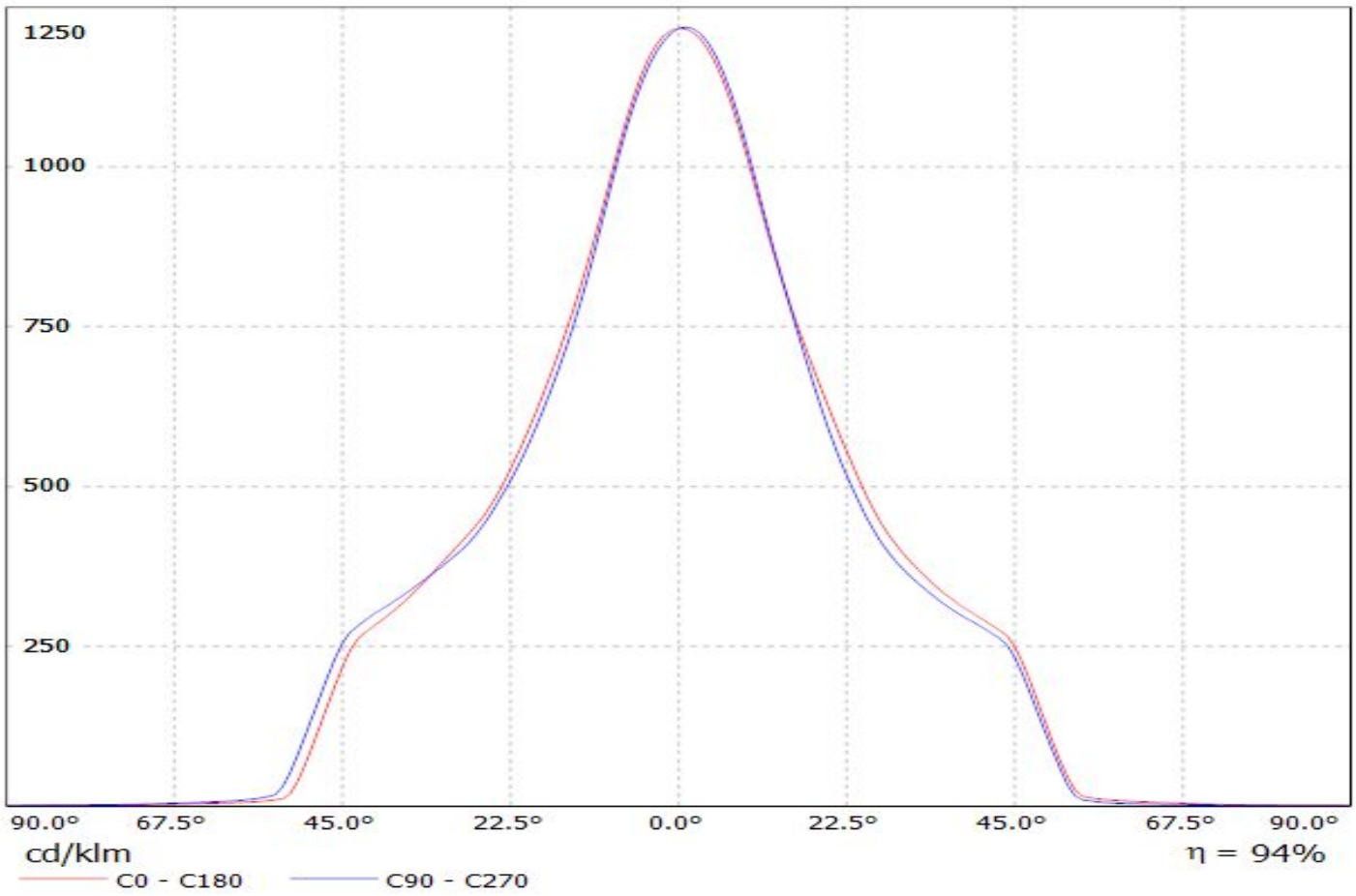


LEDiL Oy C13660_ANGELINA-M-B_(CLL030) Eff.91.7% / LDC (Linear)

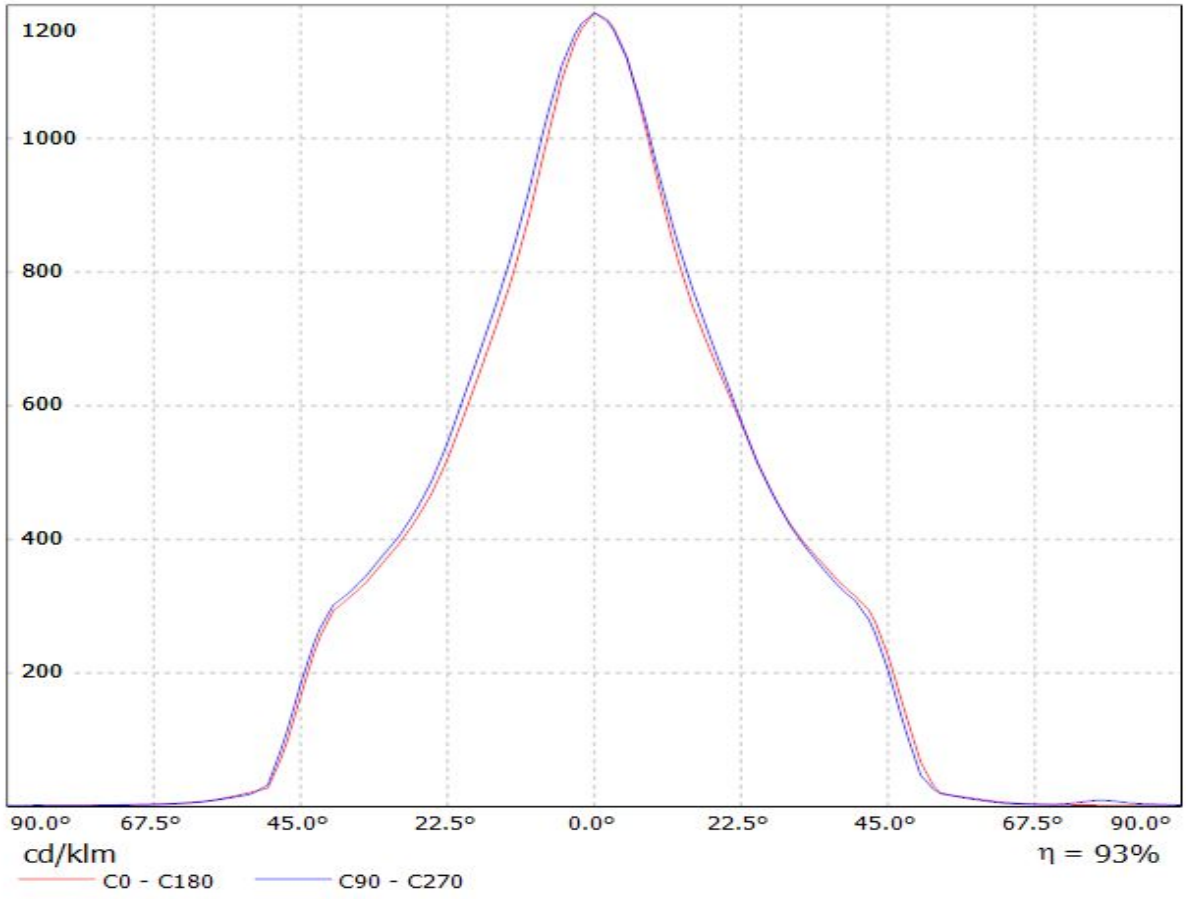
Luminaire: LEDiL Oy C13660_ANGELINA-M-B_(CLL030) Eff.91.7%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



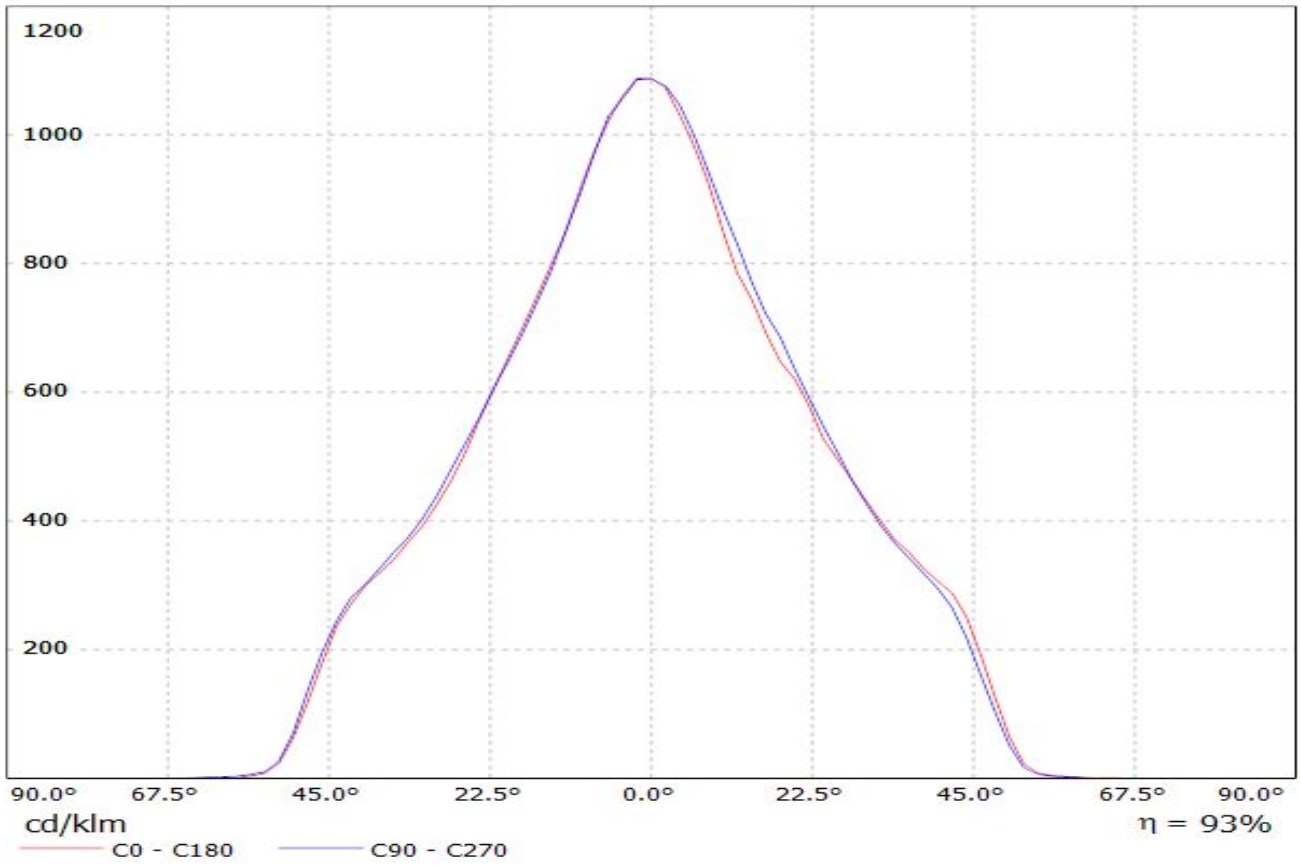
Luminaire: LEDiL Oy F13660_ANGELINA-M-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



Luminaire: LEDiL Oy F13402_ANGELINA-W_(CLL030) Eff.92.6%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA

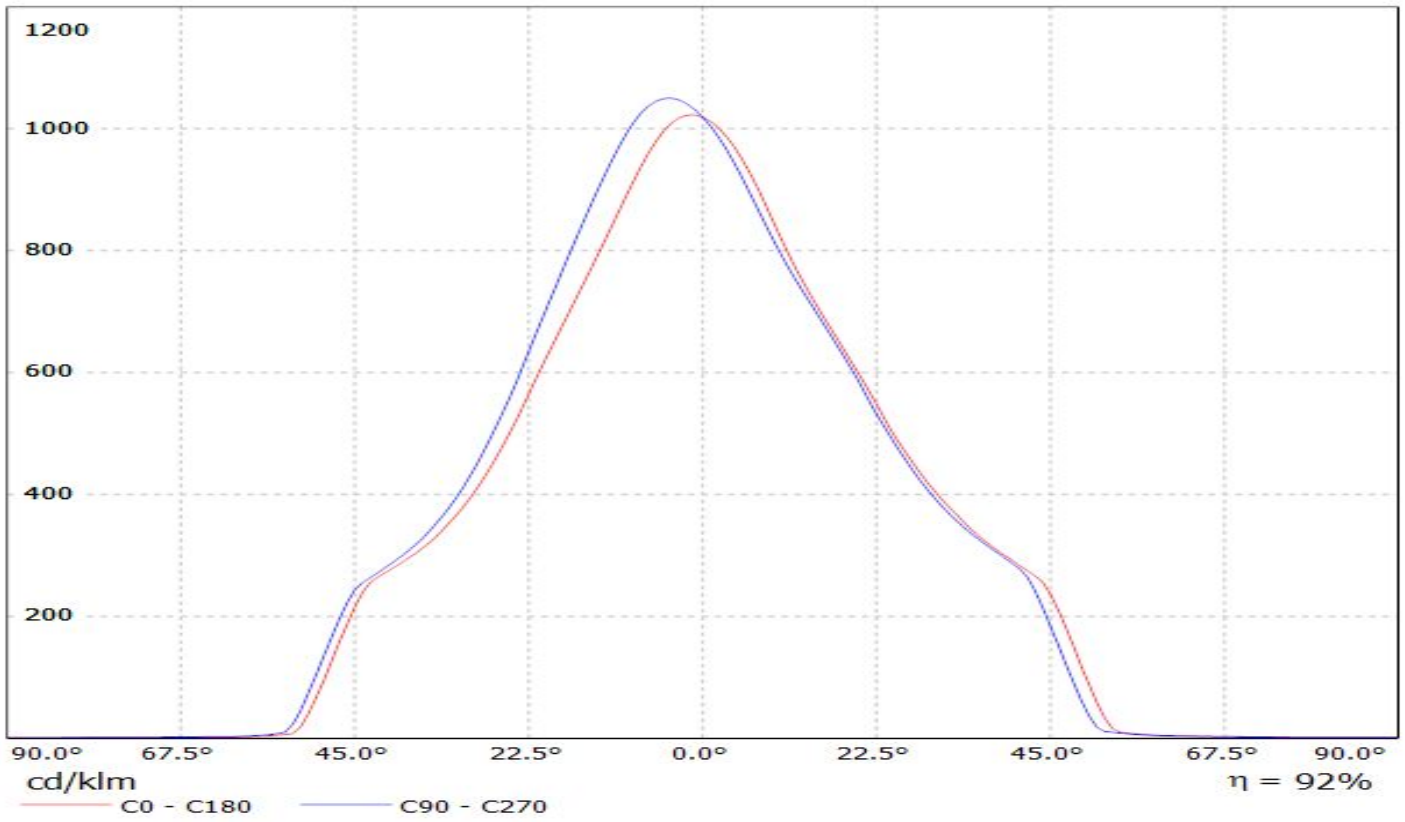


Luminaire: LEDiL F13402_ANGELINA-W
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W

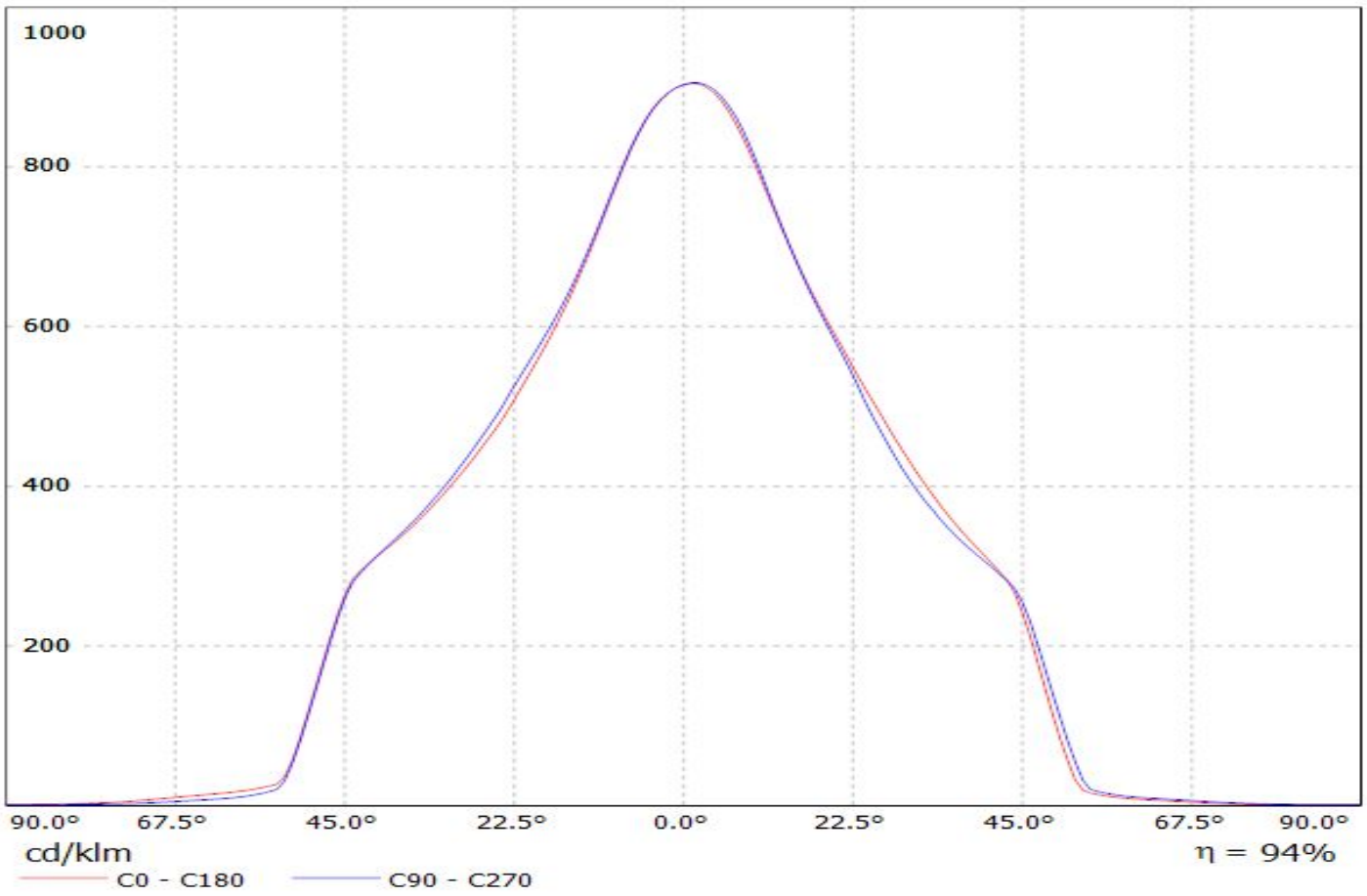


LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0% / LDC (Linear)

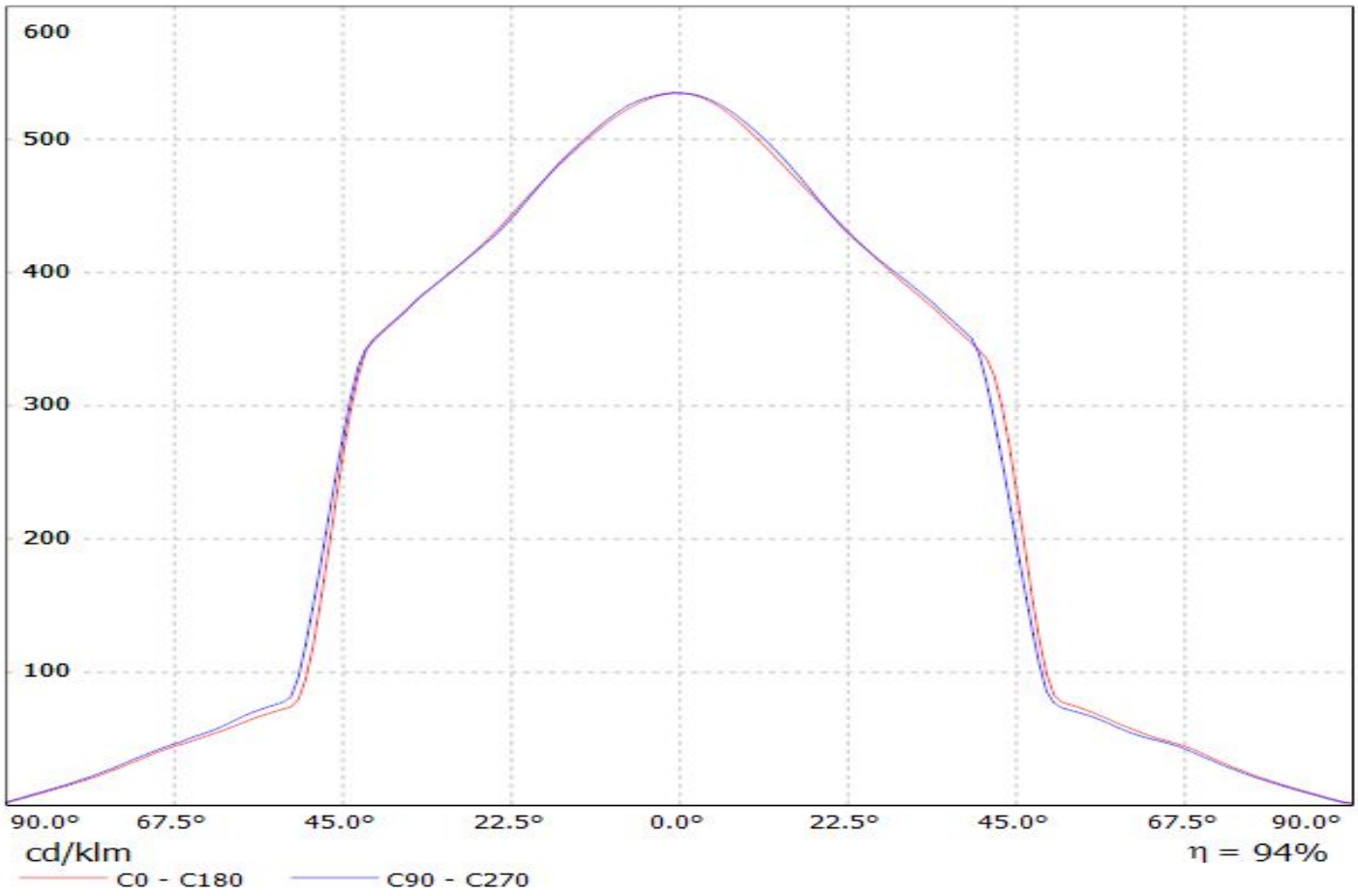
Luminaire: LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



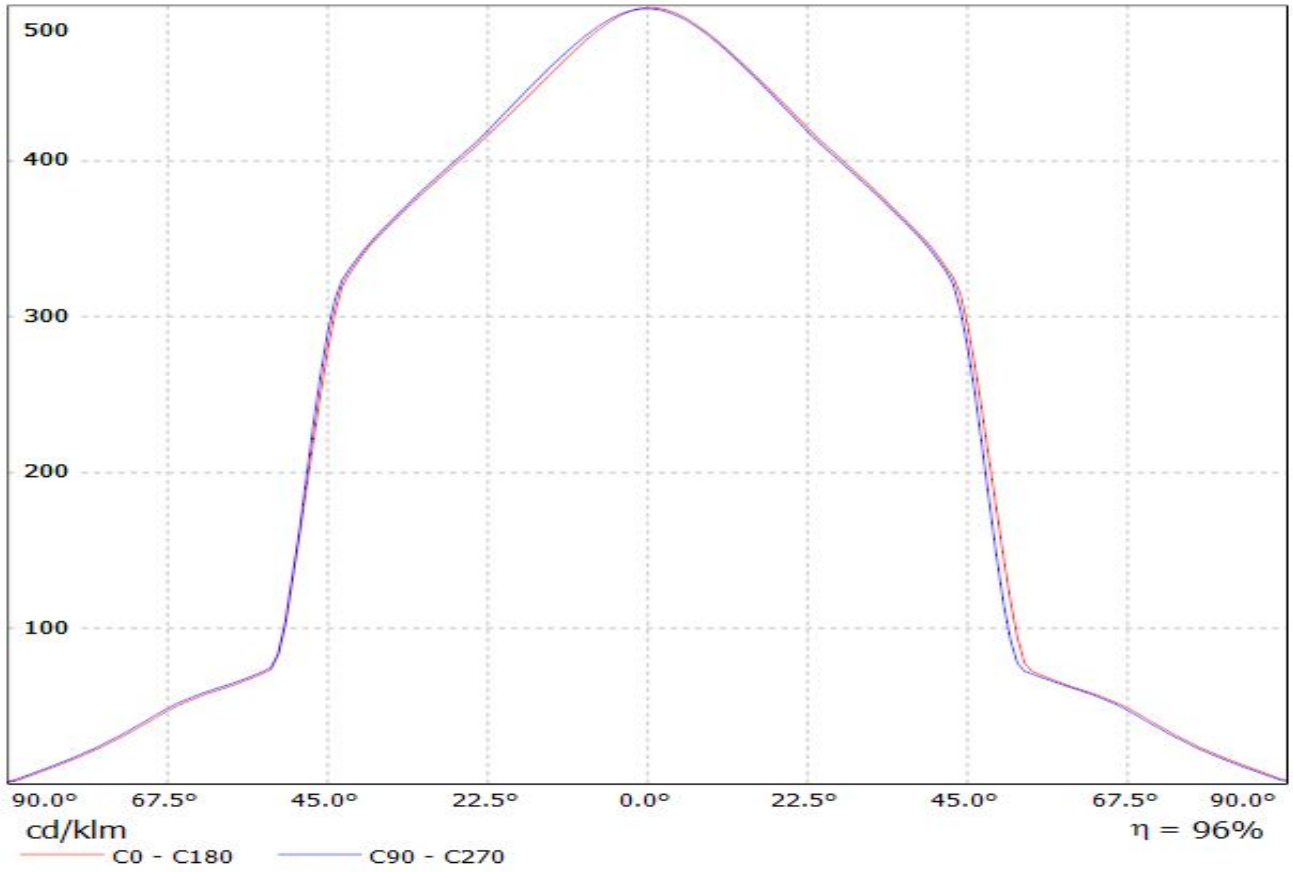
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Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



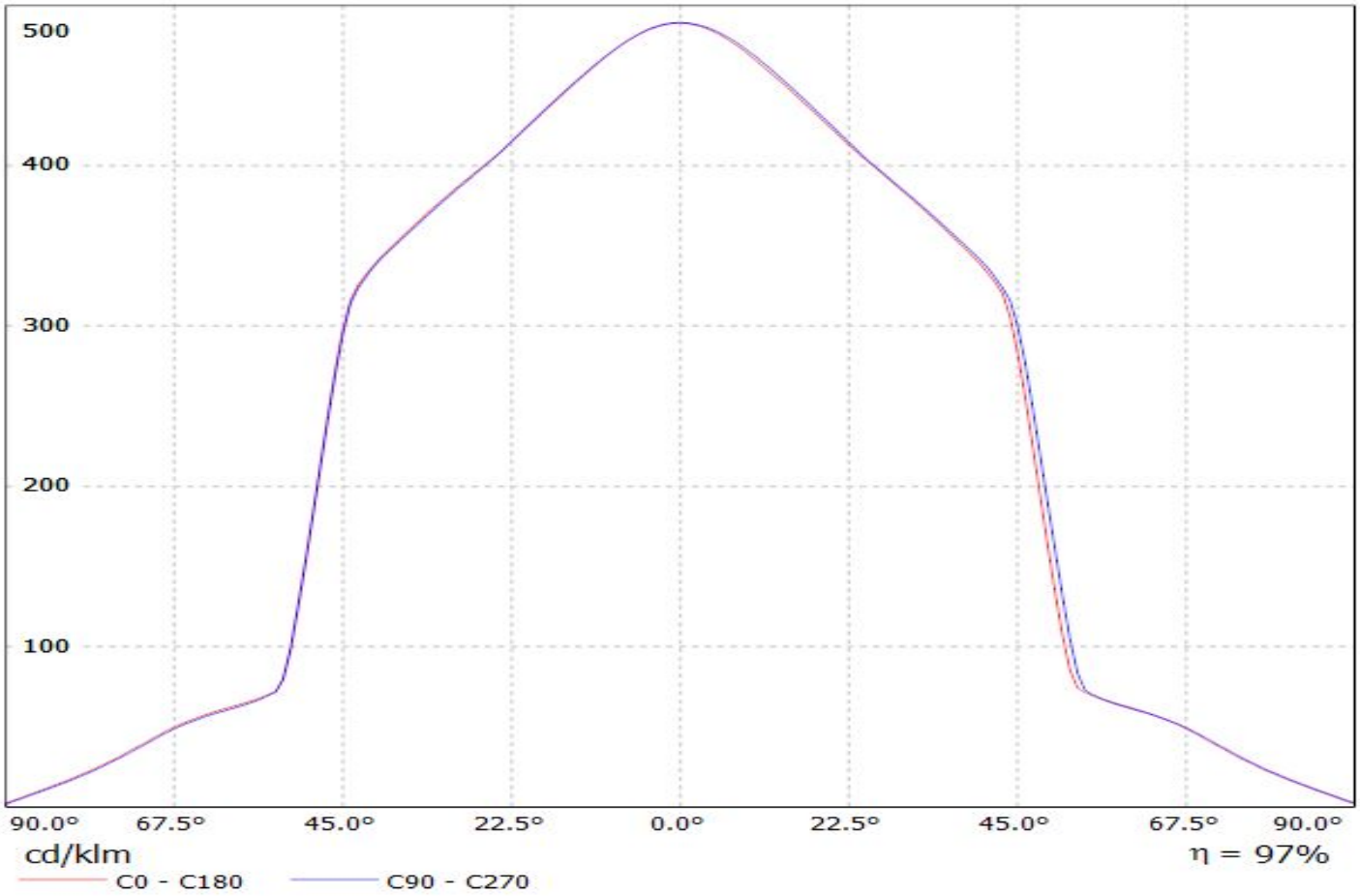
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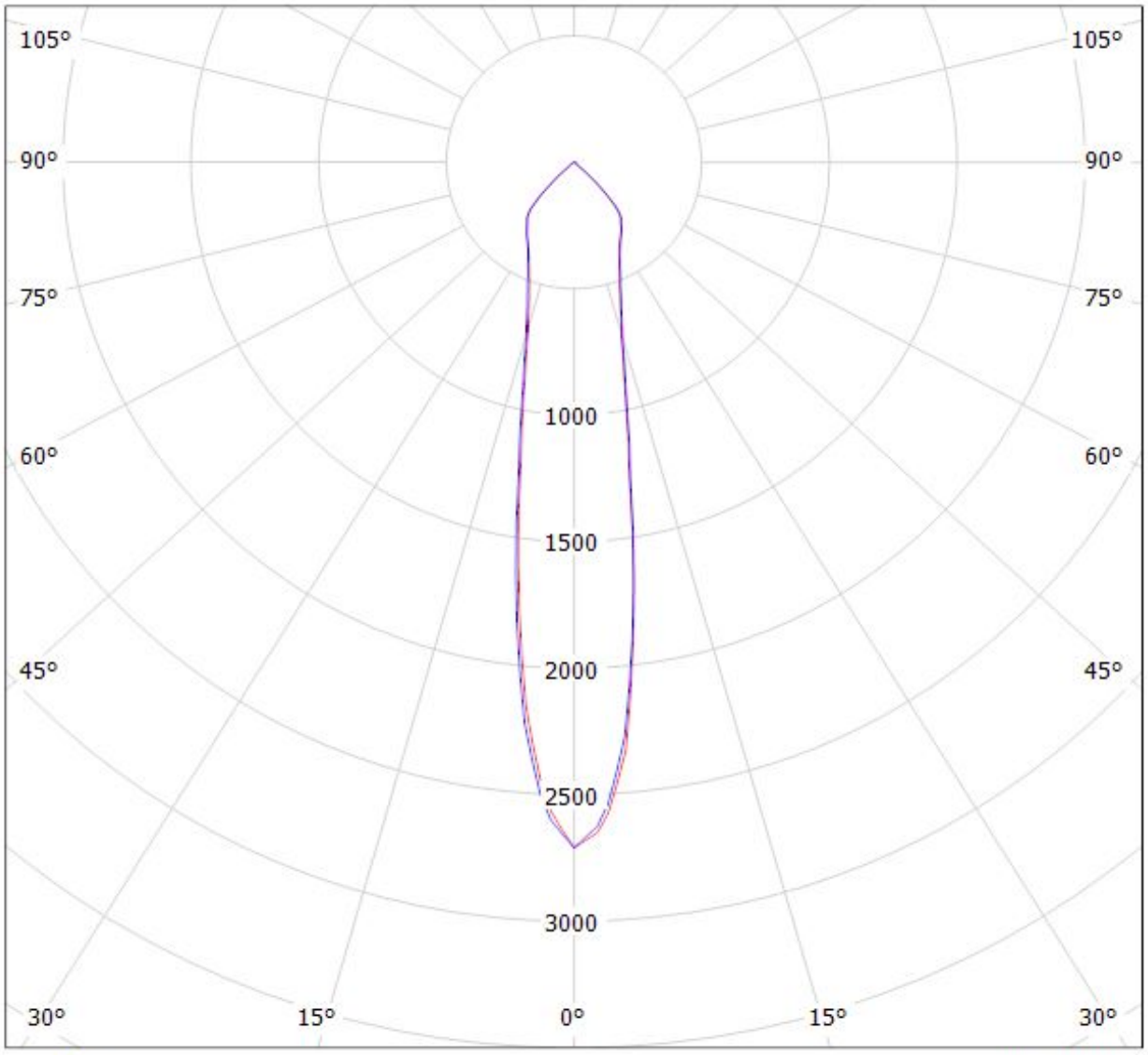
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Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1050lm@250mA_P=8.45787W_I=249.9mA



Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



Luminaire: LEDiL Oy F13325_ANGELINA-S_(CLL030) Eff.93.6%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA

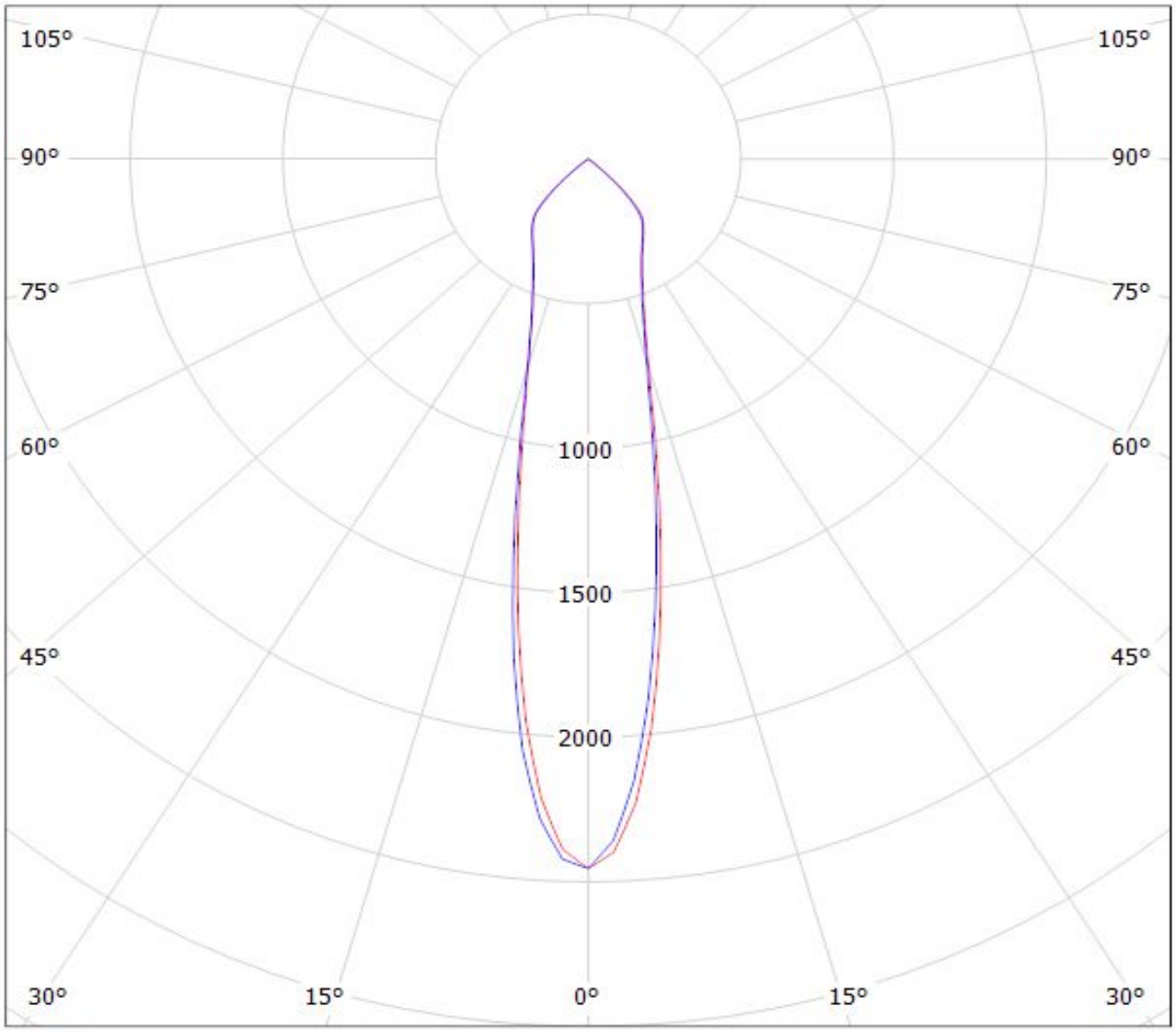


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL F13325_ANGELINA-S_(CLL030)
Lamps: 1 x Citizen CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K

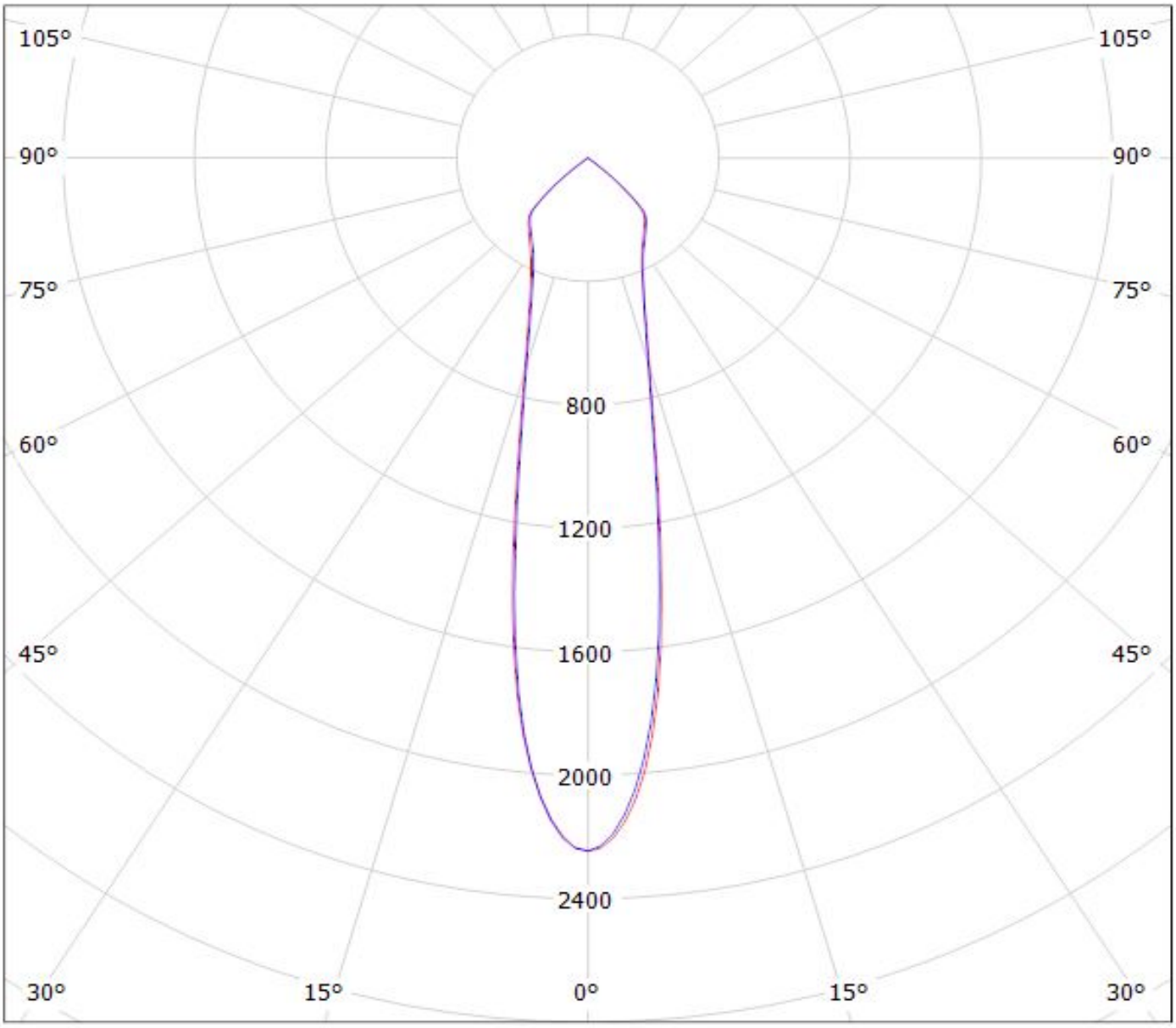


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

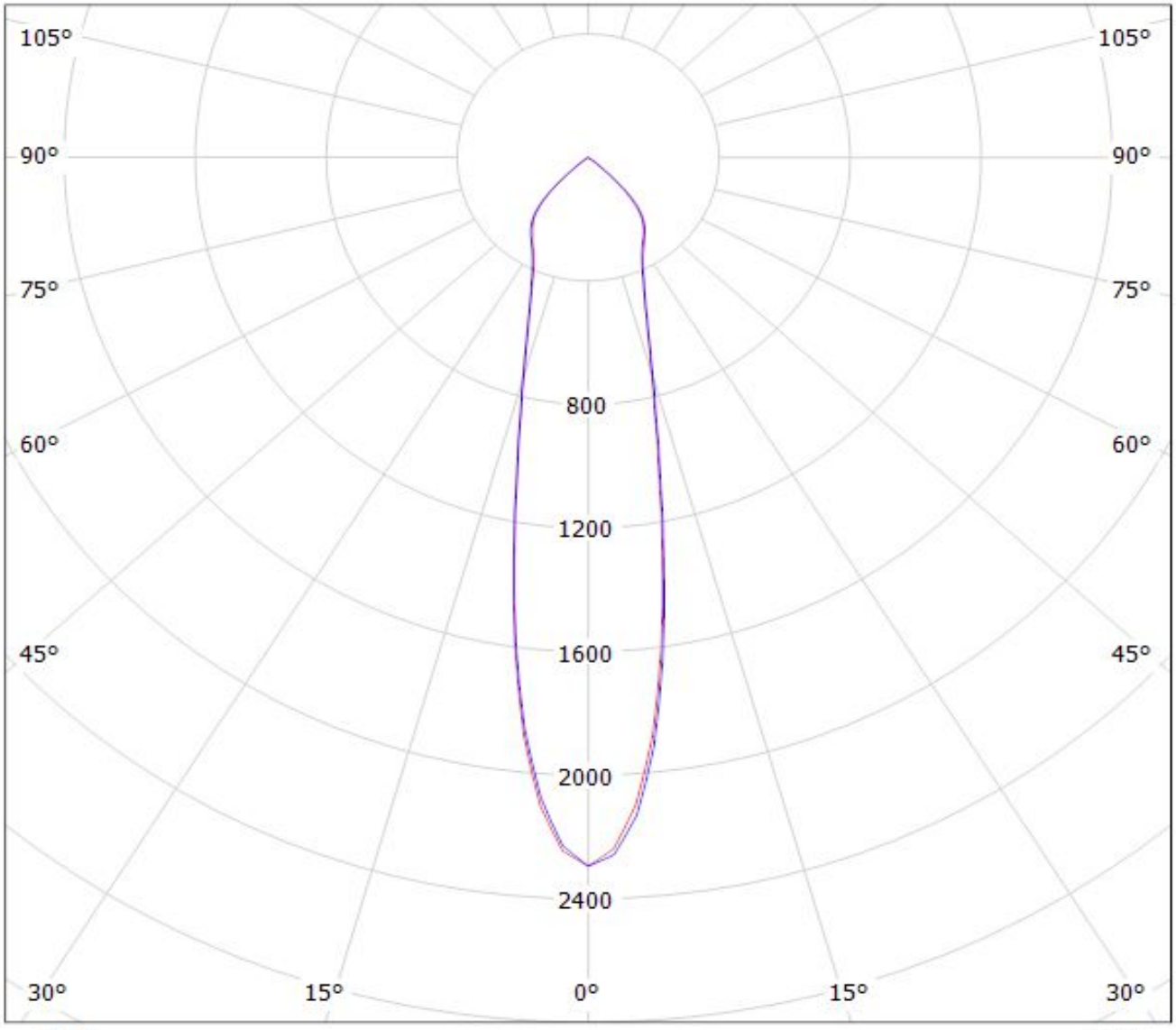


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL F13659_ANGELINA-S-B
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W

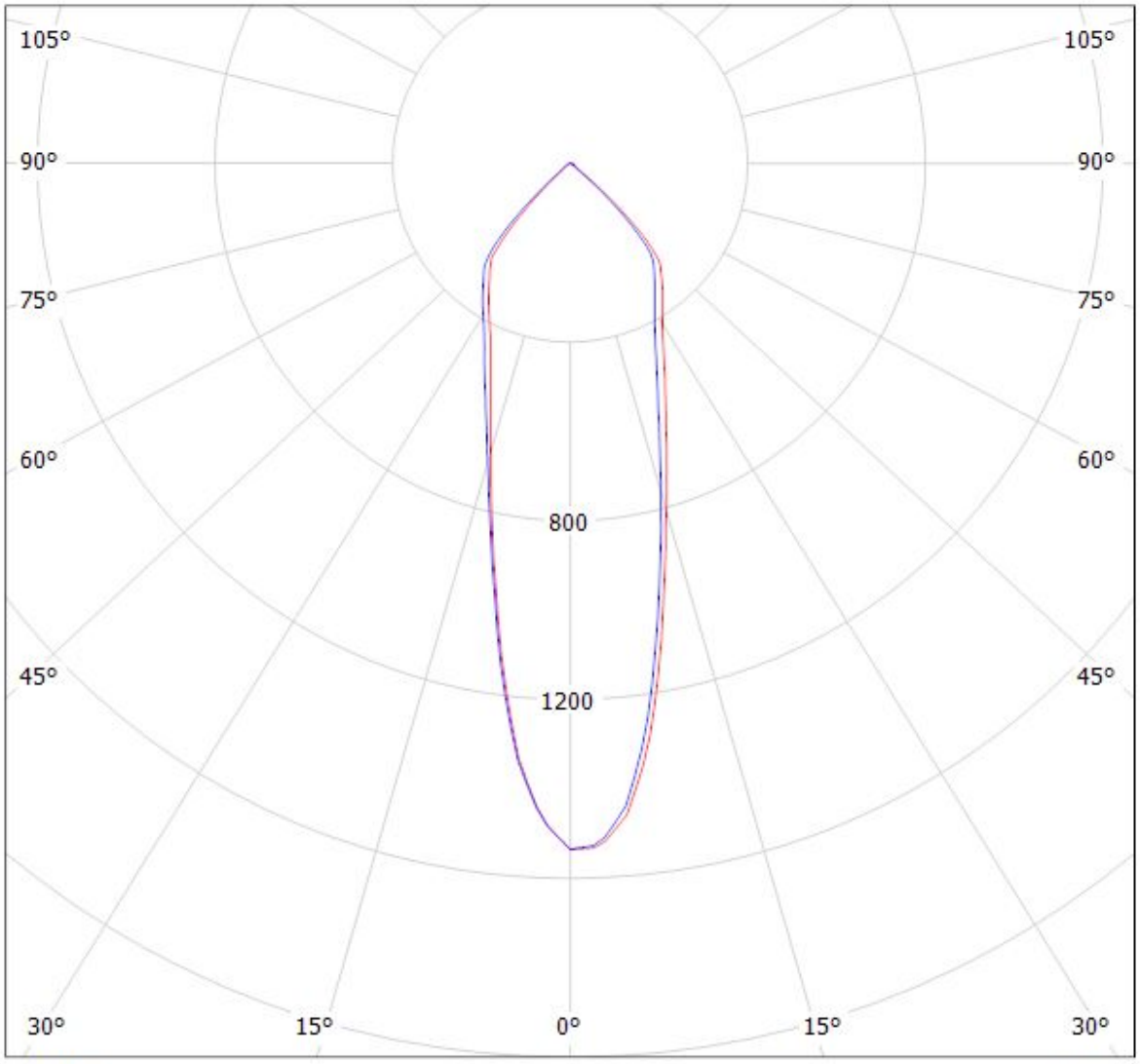


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13401_ANGELINA-M_(CLL030) Eff.92.3%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA

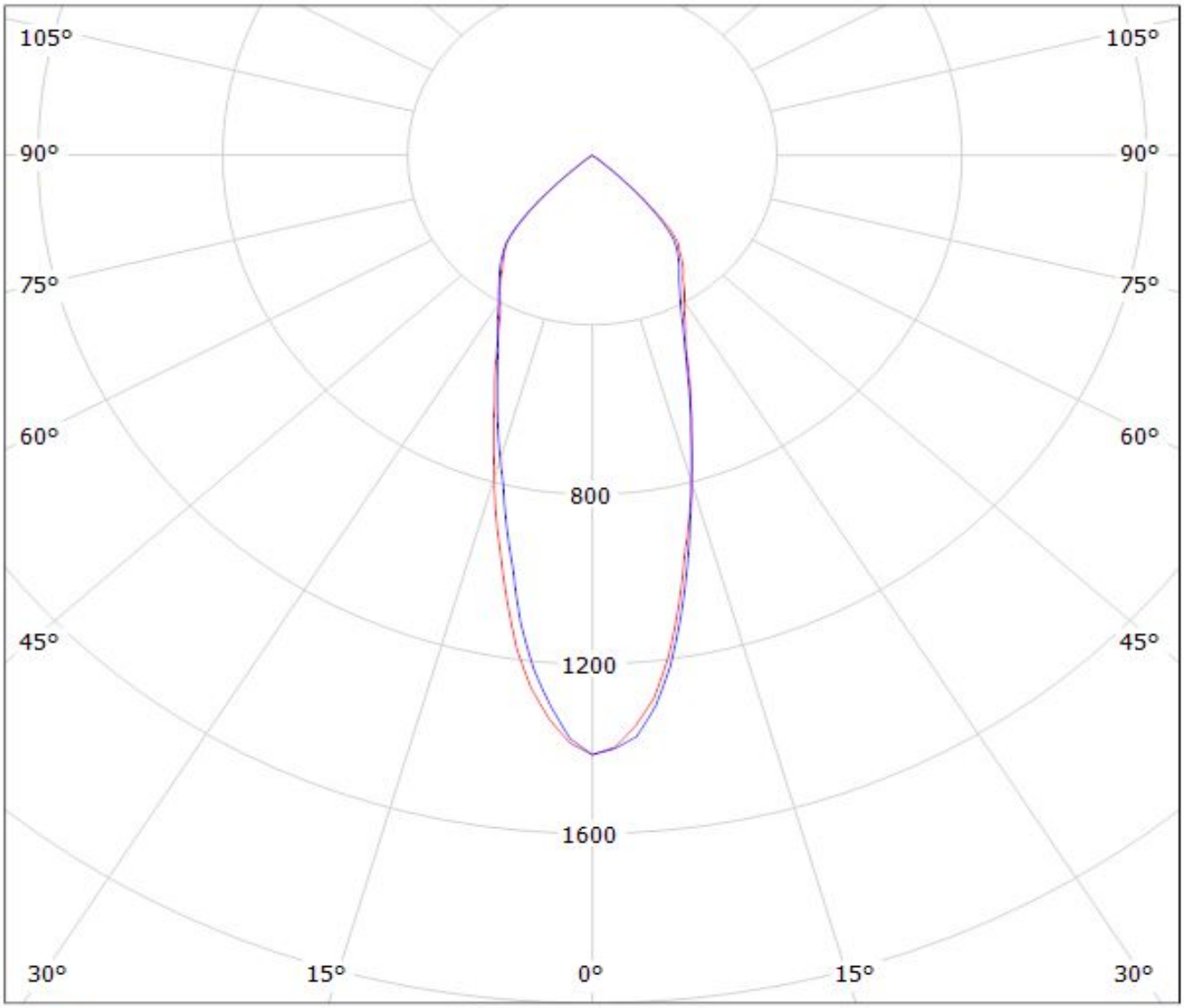


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL F13401_ANGELINA-M_(CLL030)
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W



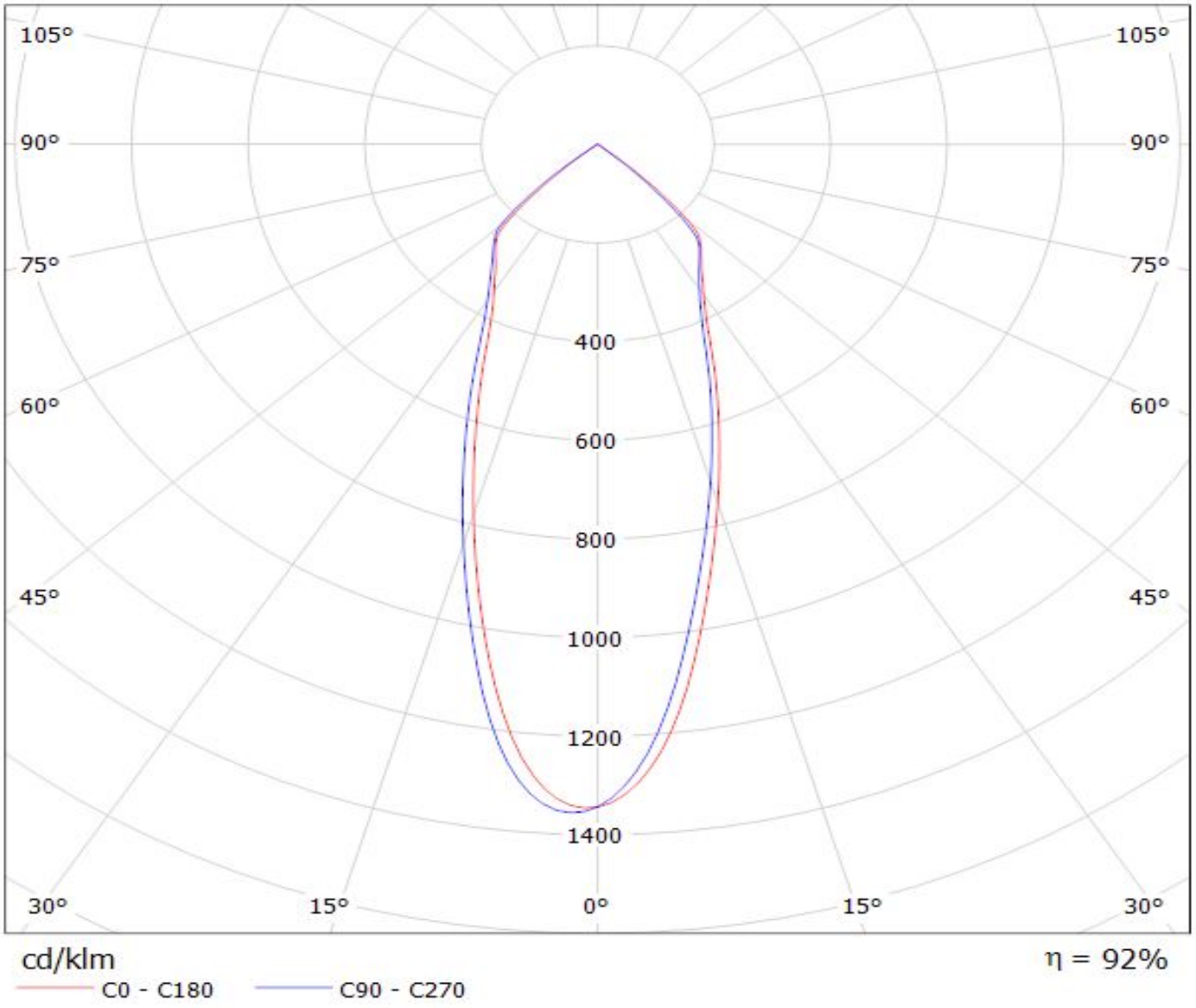
cd/klm

η = 94%

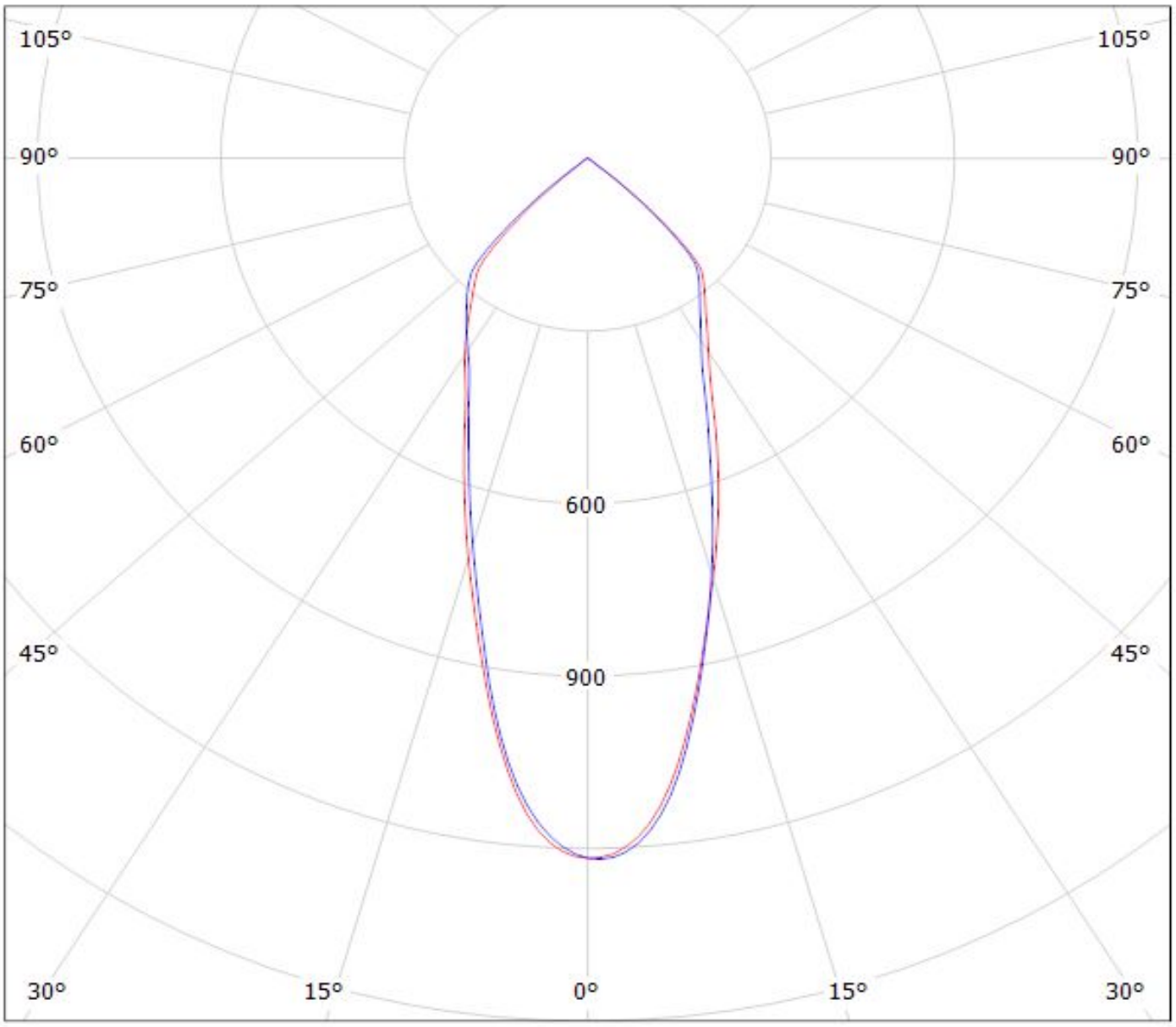
C0 - C180 C90 - C270

LEDiL Oy C13660_ANGELINA-M-B_(CLL030) Eff.91.7% / LDC (Polar)

Luminaire: LEDiL Oy C13660_ANGELINA-M-B_(CLL030) Eff.91.7%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



Luminaire: LEDiL Oy F13660_ANGELINA-M-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

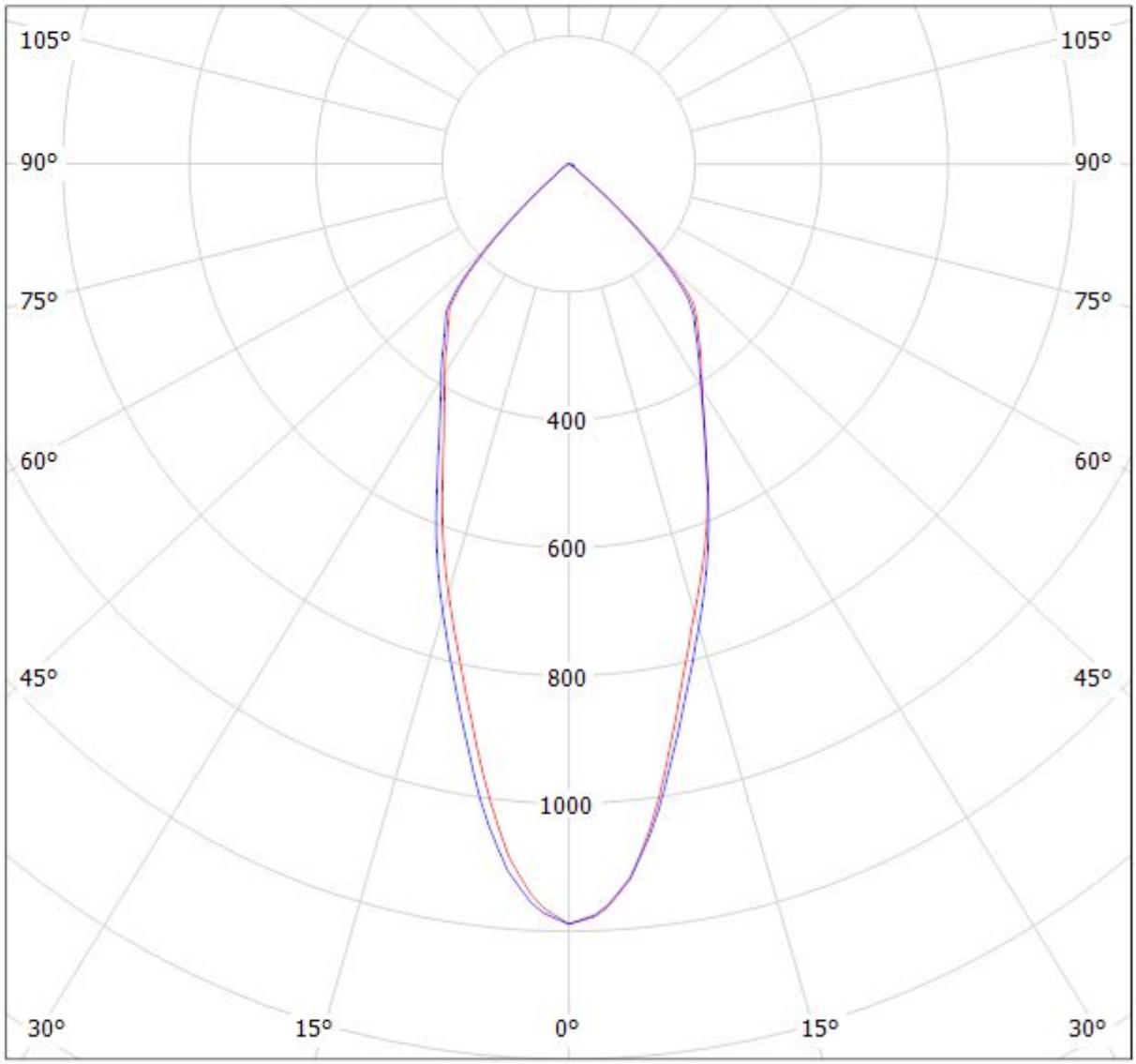


cd/klm

η = 94%

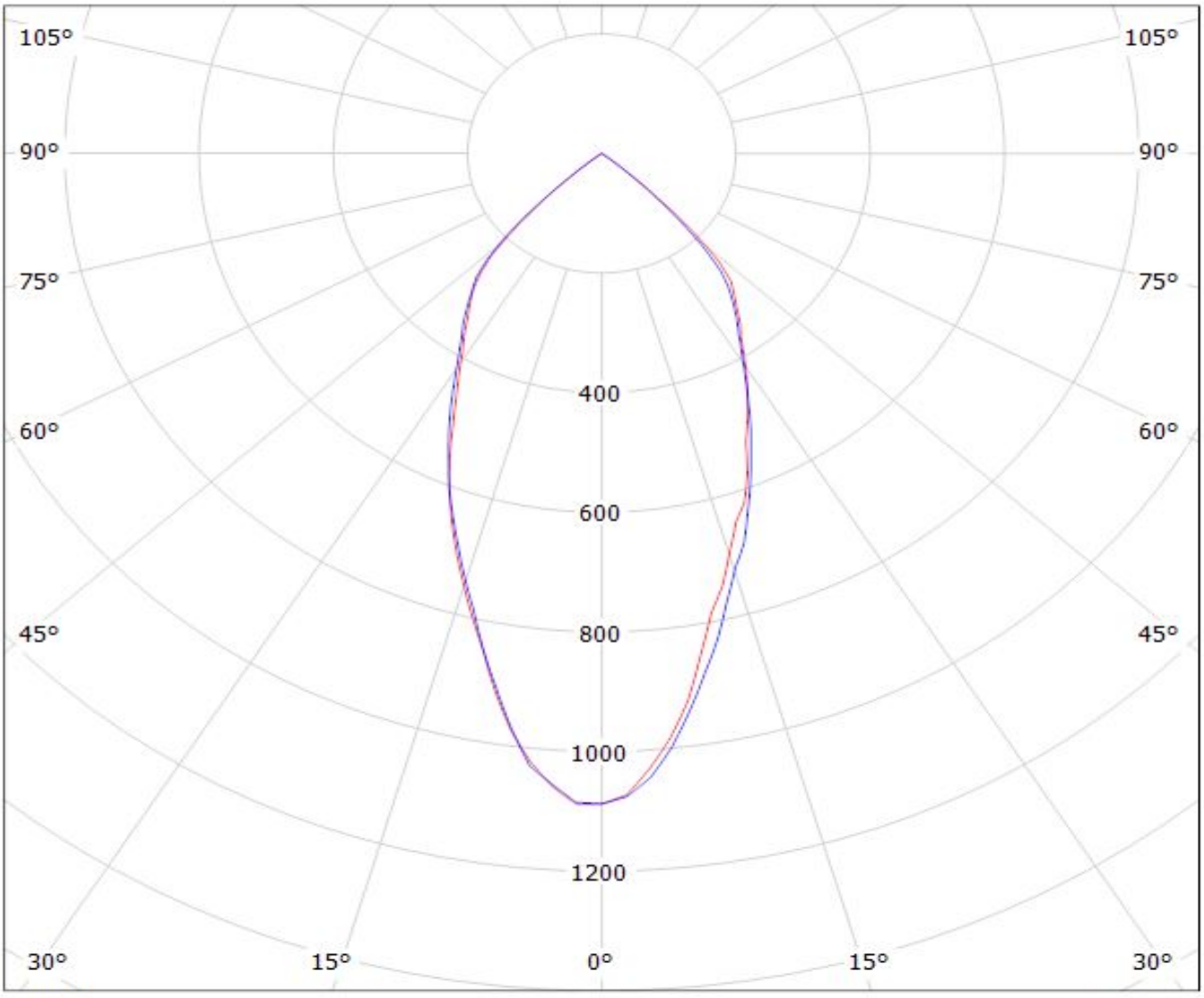
C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13402_ANGELINA-W_(CLL030) Eff.92.6%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7)_758.588lm@250mA_CCT=5090K_P=8.61086W_I=249.8mA



cd/klm
η = 93%
C0 - C180
C90 - C270

Luminaire: LEDiL F13402_ANGELINA-W
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W



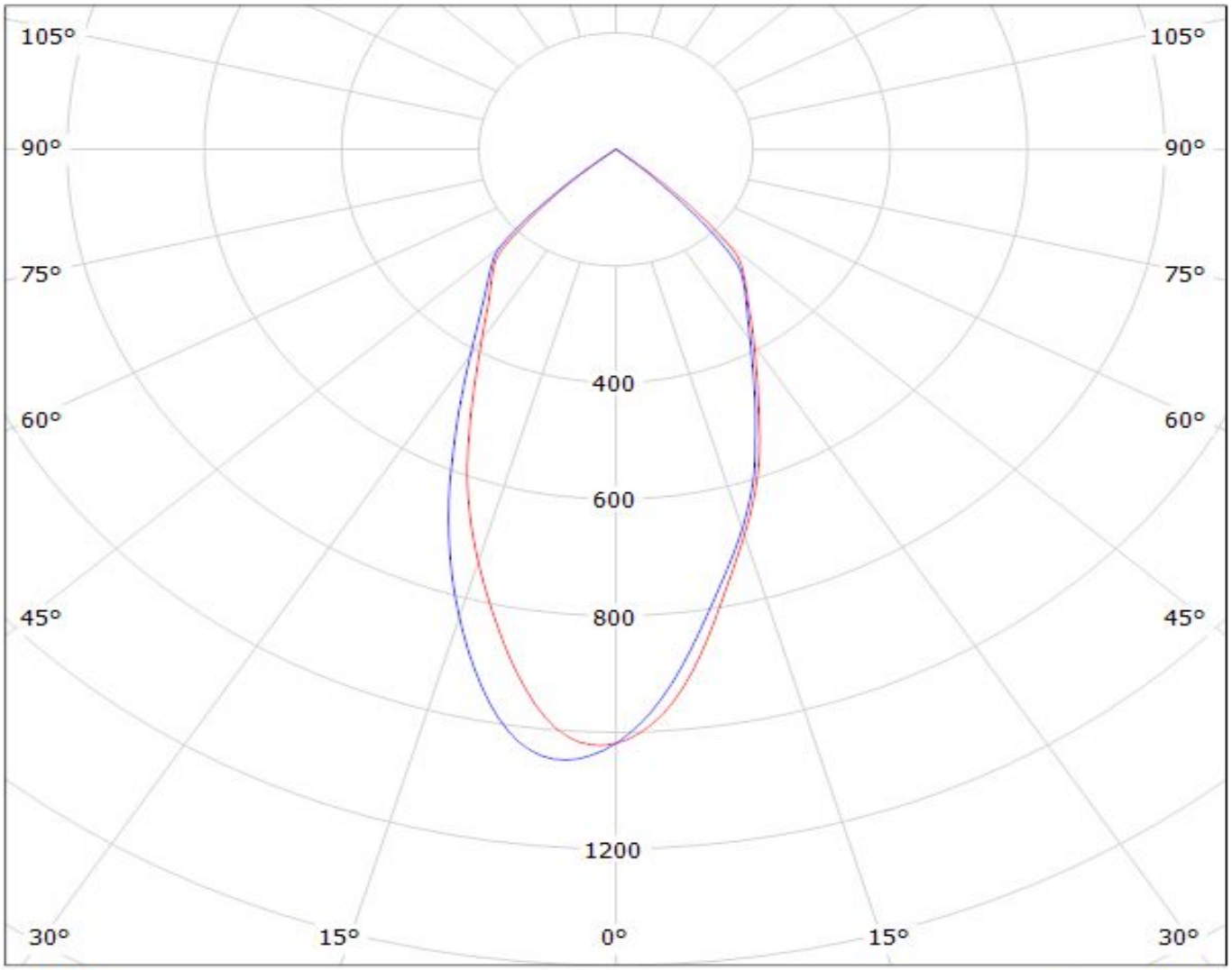
cd/klm

η = 93%

C0 - C180 C90 - C270

LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0% / LDC (Polar)

Luminaire: LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0%
Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA

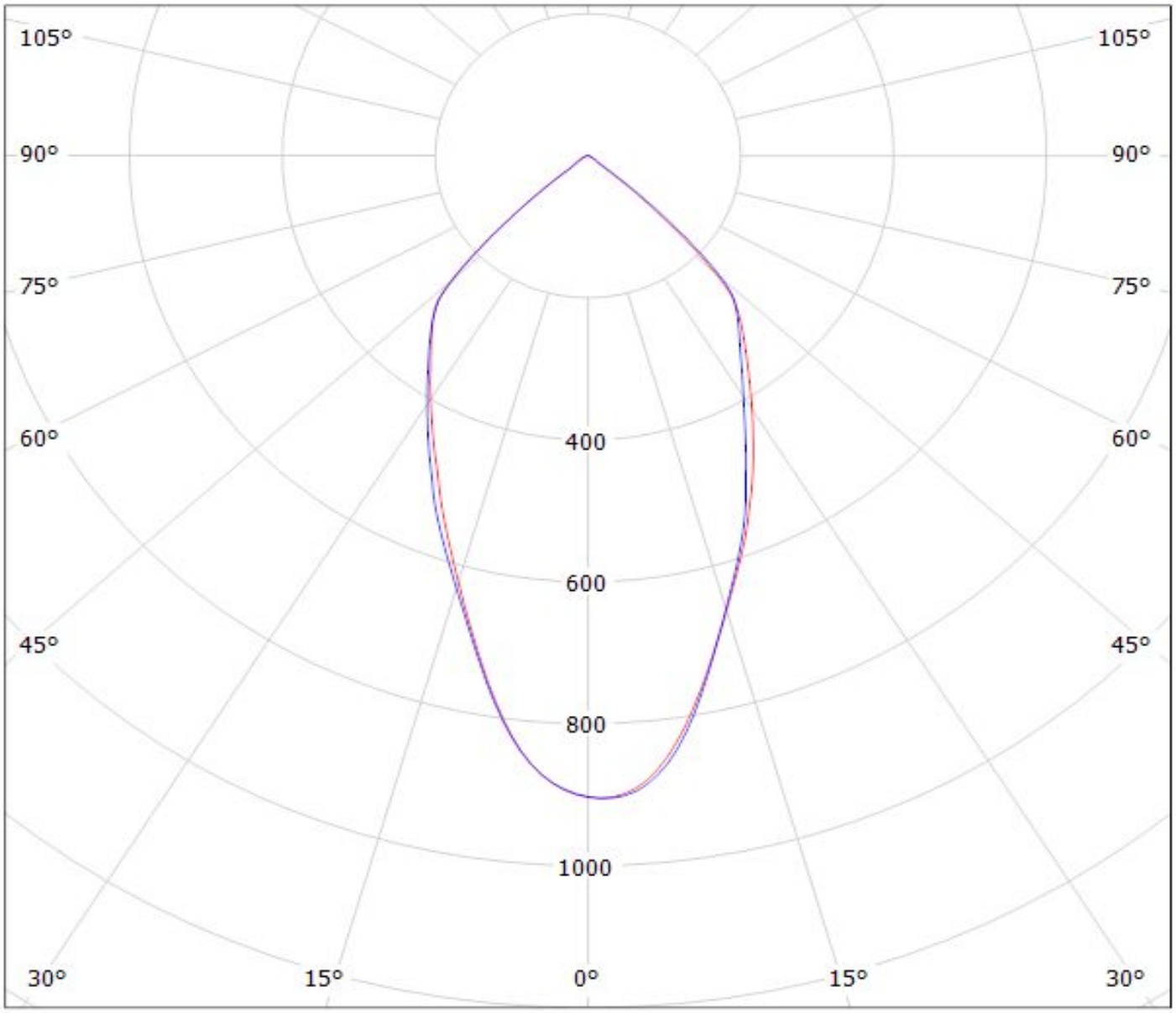


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

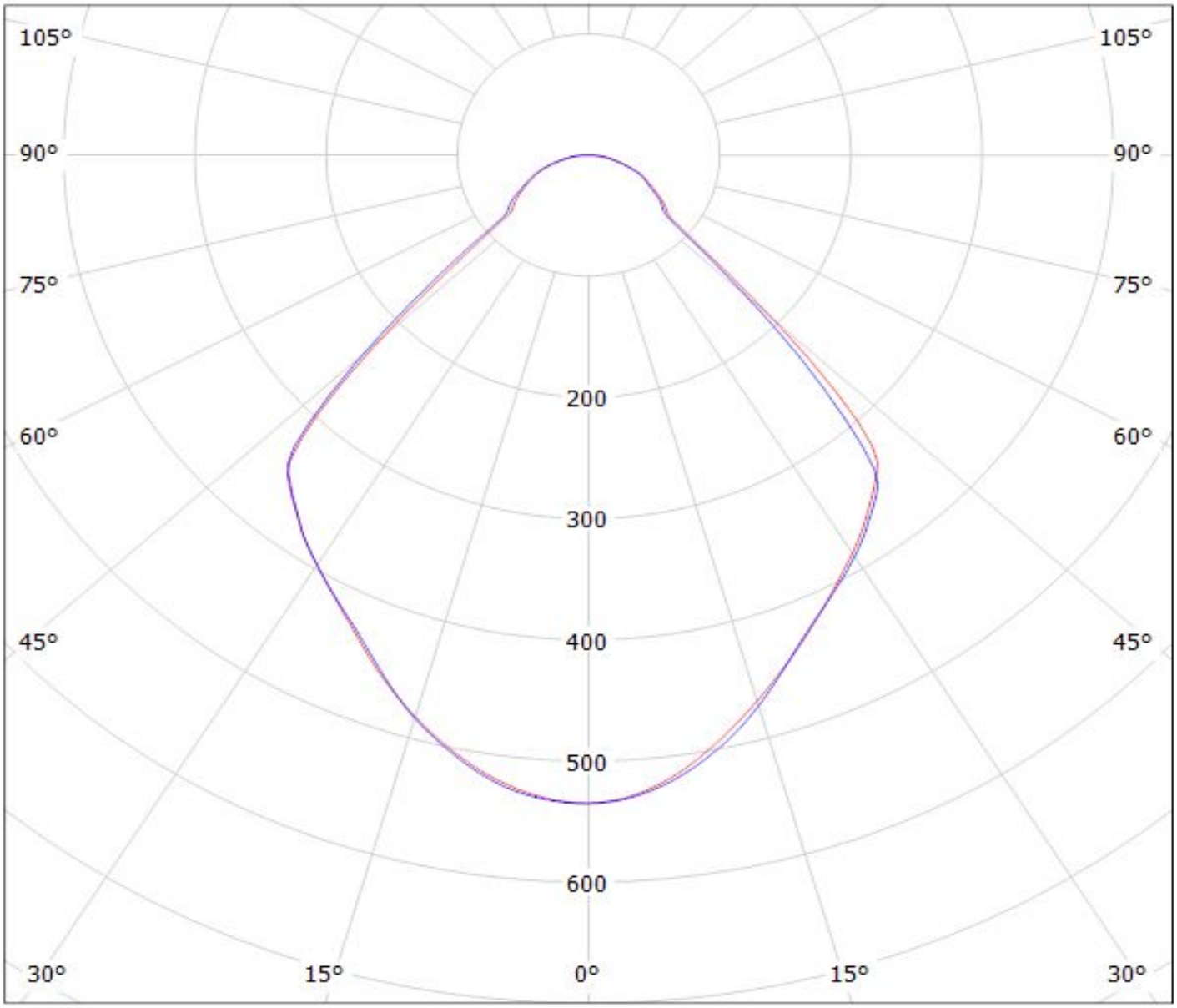


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(CLL030)
Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA

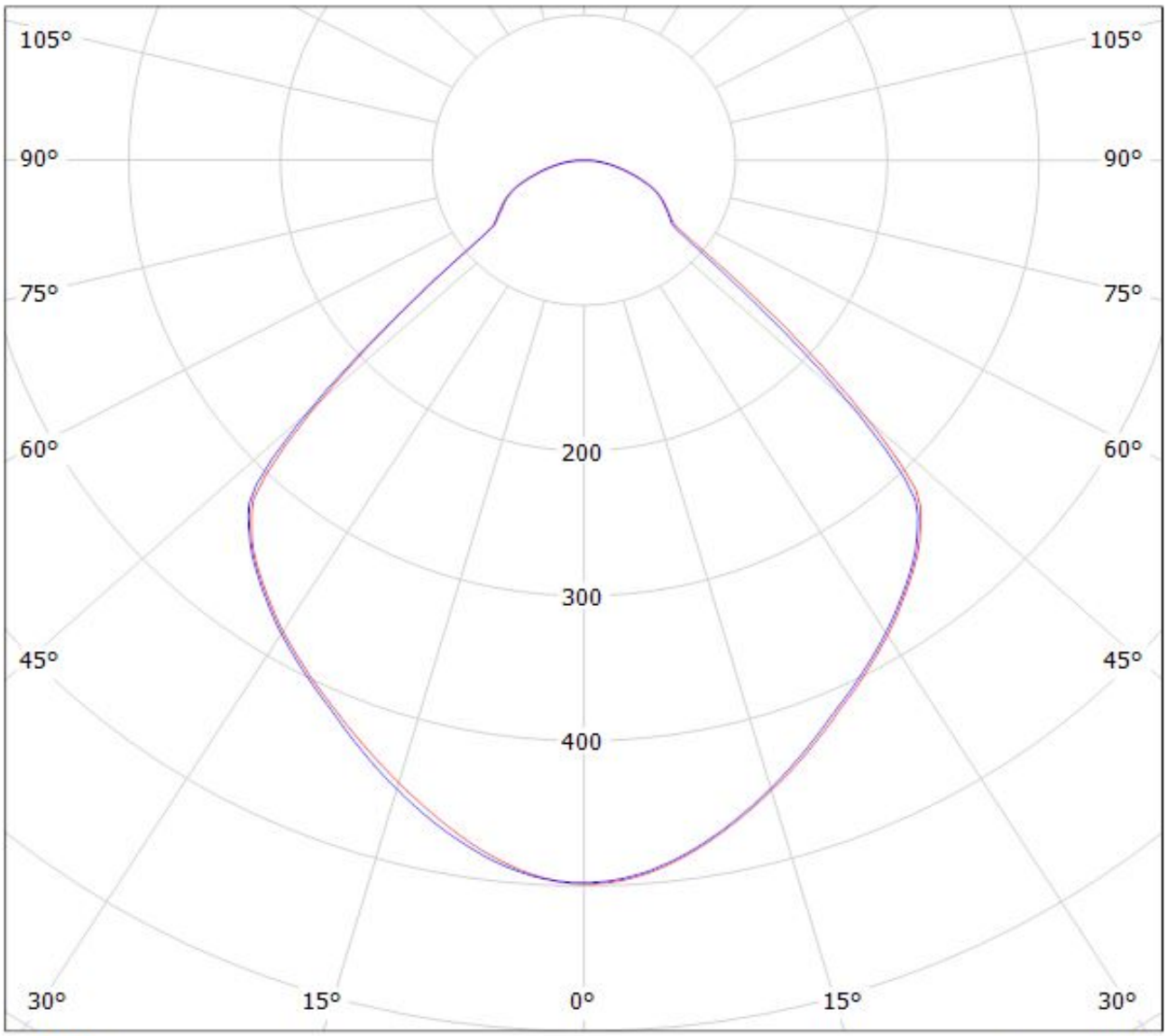


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(CLL030)
Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1050lm@250mA_P=8.45787W_I=249.9mA

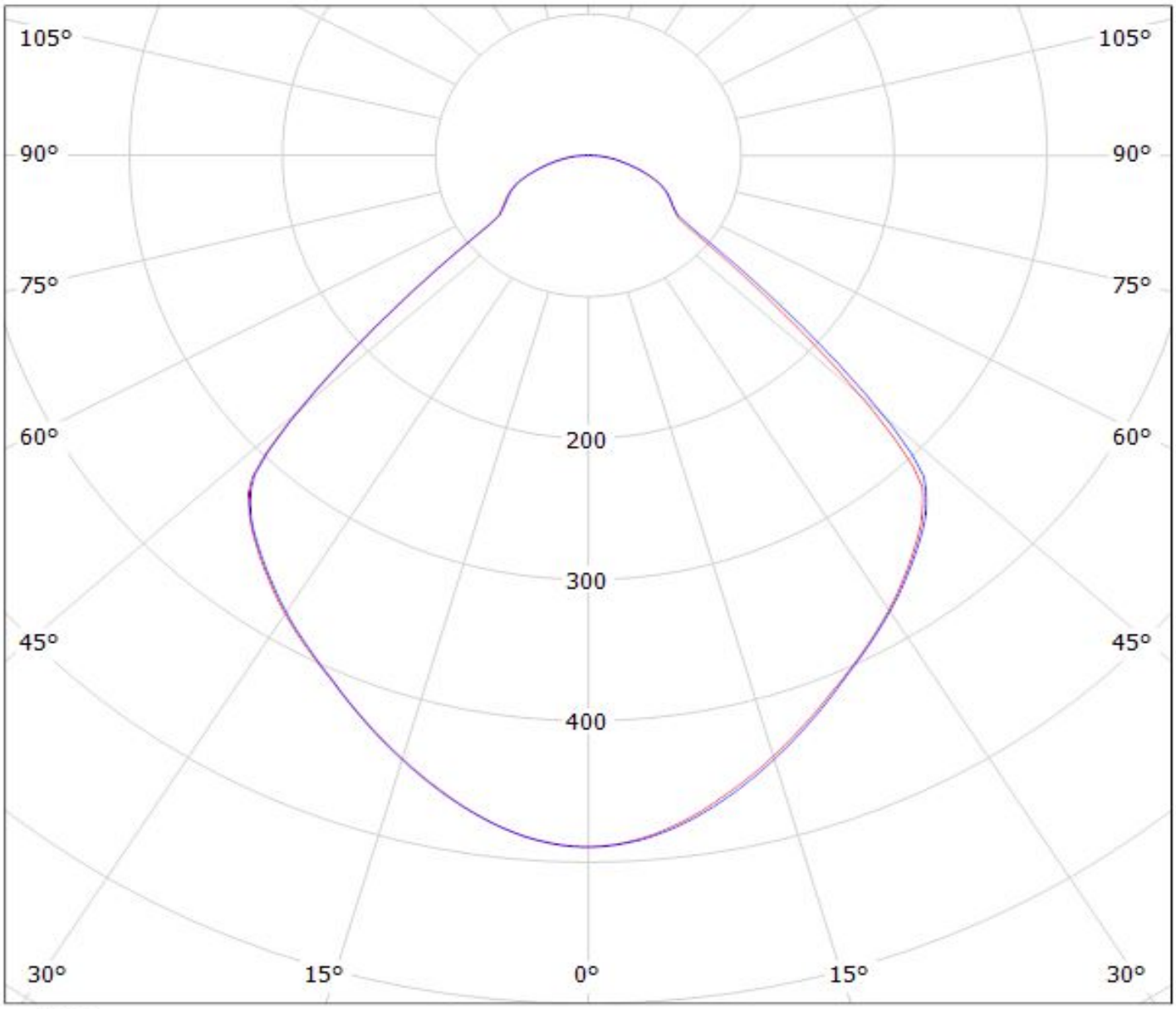


cd/klm

η = 96%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



cd/klm

η = 97%

C0 - C180 C90 - C270