

PRODUCT DATASHEET
ANGELINA series

last update 24/6/2014

**Product number F13659_ANGELINA-S-B**

Family ANGELINA
 Type Reflector
 LED LUXEON K12
 Color Metal
 Diameter 82 mm
 Height 31 mm
 Style Round
 Optic Material PC
 Holder Material -
 Fastening -
 Status On production

FWHM (simulated) 15
 Efficiency -
 cd/Im (simulated) 0.000
 Gerber File Available

For BJB connectors

Product number F13660_ANGELINA-M-B

Family ANGELINA
 Type Reflector
 LED LUXEON K12
 Color Metal
 Diameter 82 mm
 Height 31 mm
 Style Round
 Optic Material PC
 Holder Material -
 Fastening -
 Status On production

FWHM (simulated) 29
 Efficiency -
 cd/Im (simulated) 0.000
 Gerber File Available

For BJB connectors

Product number F13661_ANGELINA-W-B

Family ANGELINA
 Type Reflector
 LED LUXEON K12
 Color Metal
 Diameter 82 mm
 Height 31 mm
 Style Round
 Optic Material PC
 Holder Material -
 Fastening -
 Status On production

FWHM (simulated) 46
 Efficiency -
 cd/Im (simulated) 0.000
 Gerber File Available

For BJB connectors

Product number F13325_ANGELINA-S

Family ANGELINA
 Type Reflector
 LED LUXEON K12
 Color Metal
 Diameter 82 mm
 Height 31 mm
 Style Round
 Optic Material PC
 Holder Material -
 Fastening -
 Status On production

FWHM 20 degrees
 Efficiency 94 %
 cd/Im 2.660
 Gerber File Available

PRODUCT DATASHEET
ANGELINA series

last update 24/6/2014

**Product number** FC13973_ANGELINA-RZ-S

Family	ANGELINA	FWHM	25 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	1.800
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

**Product number** FC13977_ANGELINA-RZ-S-B

Family	ANGELINA	FWHM	27 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	1.600
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

For BJB connectors

**Product number** F13401_ANGELINA-M

Family	ANGELINA	FWHM	29 degrees
Type	Reflector	Efficiency	94 %
LED	LUXEON K12	cd/Im	1.600
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

**Product number** FC13975_ANGELINA-RZ-M

Family	ANGELINA	FWHM	37 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	1.300
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

PRODUCT DATASHEET
ANGELINA series

last update 24/6/2014

**Product number F13402_ANGELINA-W**

Family	ANGELINA	FWHM	45 degrees
Type	Reflector	Efficiency	94 %
LED	LUXEON K12	cd/Im	1.150
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

**Product number FC13978_ANGELINA-RZ-M-B**

Family	ANGELINA	FWHM	48 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	1.000
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

For BJB connectors

**Product number FC13976_ANGELINA-RZ-W**

Family	ANGELINA	FWHM	54 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	1.000
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

**Product number FC13979_ANGELINA-RZ-W-B**

Family	ANGELINA	FWHM	64 degrees
Type	RefPack	Efficiency	89 %
LED	LUXEON K12	cd/Im	0.800
Color	Metal	Gerber File	Available
Diameter	82 mm		
Height	31 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket, screw		
Status	On production		

For BJB connectors

PRODUCT DATASHEET
ANGELINA series

last update 24/6/2014

**Product number F13839_ANGELINA-XW-B**

Family	ANGELINA	FWHM	91 degrees
Type	Reflector	Efficiency	94 %
LED	LUXEON K12	cd/Im	0.533
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 F13838_ANGELINA-XW

Family	ANGELINA	FWHM	92 degrees
Type	Reflector	Efficiency	94 %
LED	LUXEON K12	cd/Im	0.520
Color	White	Gerber File	Available
Diameter	82 mm		
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.

PRODUCT DATASHEET
ANGELINA series

last update 24/6/2014

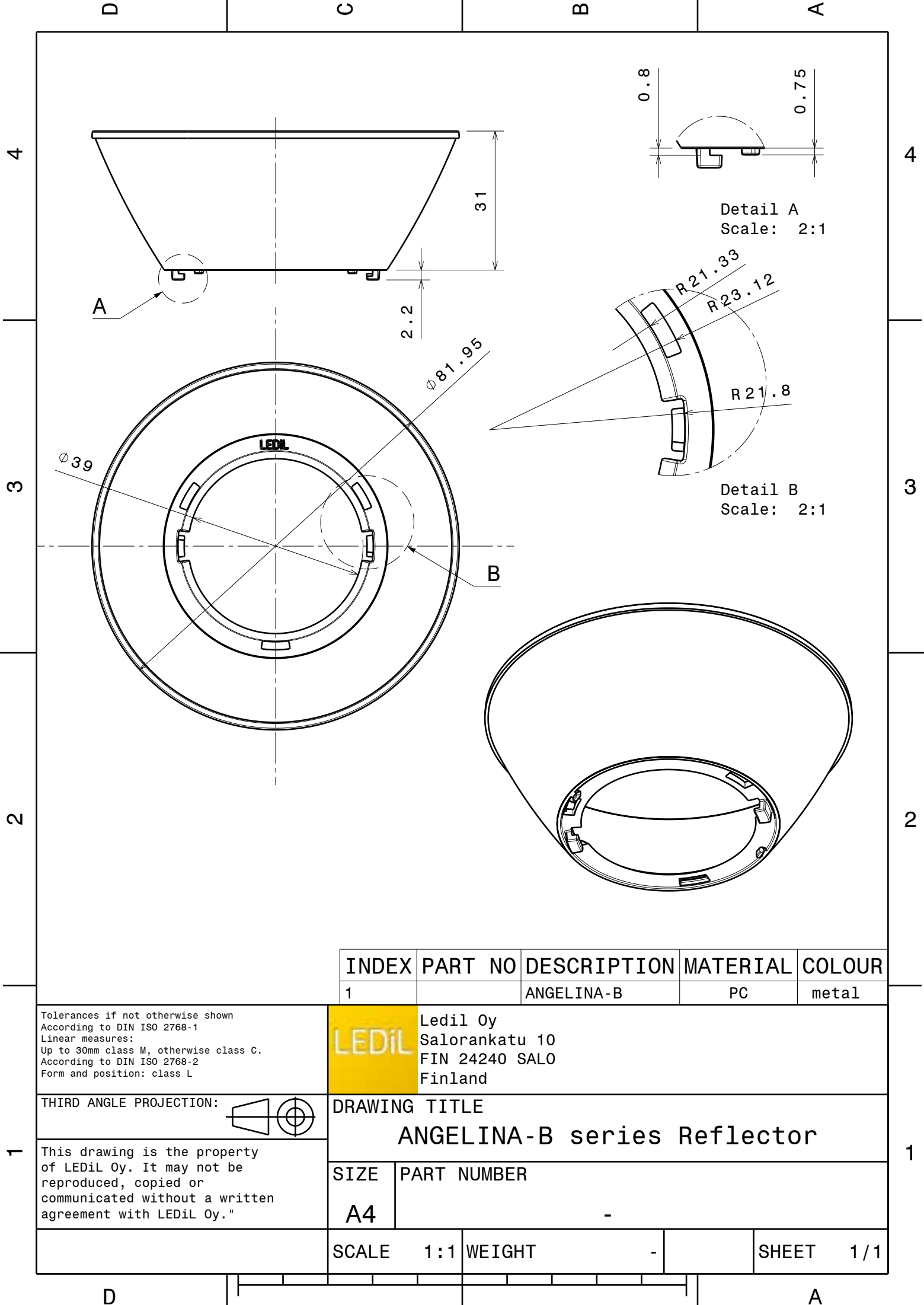
GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON K12 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 (120 degrees of Celcius / 248 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

- 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).



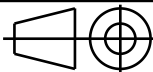
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	PC	metal

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-B series Reflector

This drawing is the property
of LEDiL Oy. It may not be
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communicated without a written
agreement with LEDiL Oy."

SIZE

A4

PART NUMBER

-

SCALE

1:1

WEIGHT

-

SHEET

1/1

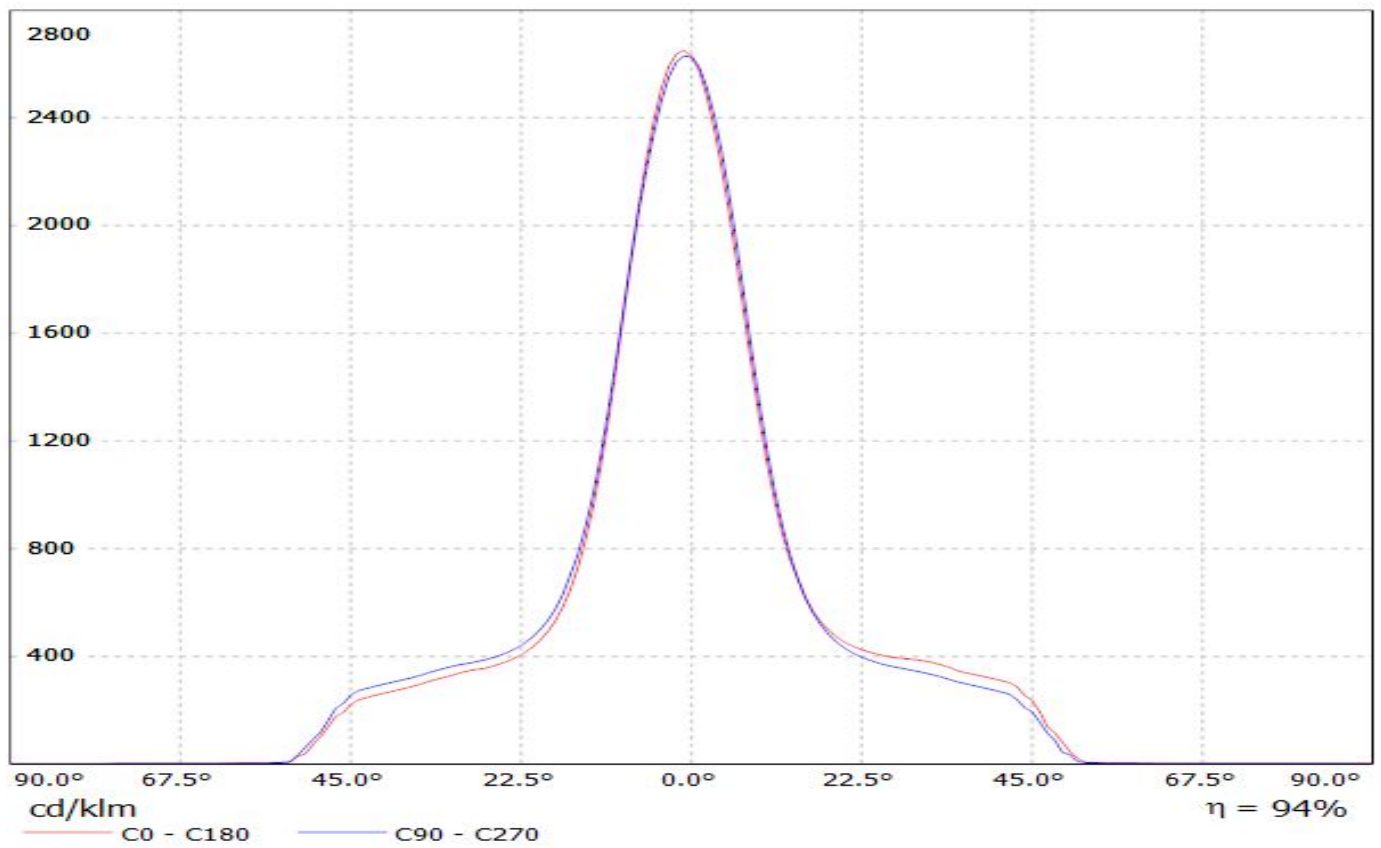
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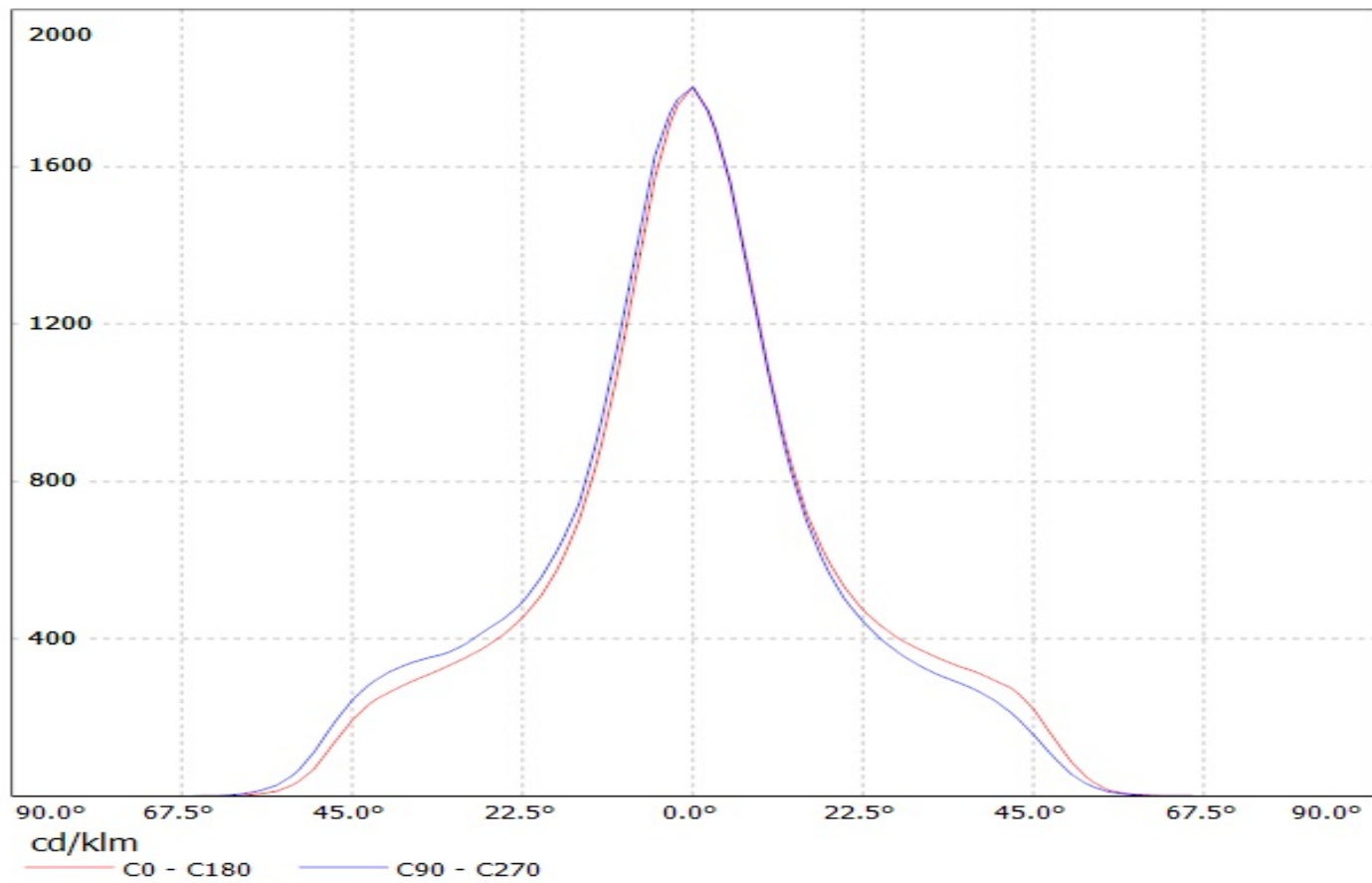
LEDiL Oy C13325_ANGELINA-S_(LUXEON_K12) Eff.94.3% / LDC (Linear)

Luminaire: LEDiL Oy C13325_ANGELINA-S_(LUXEON_K12) Eff.94.3%

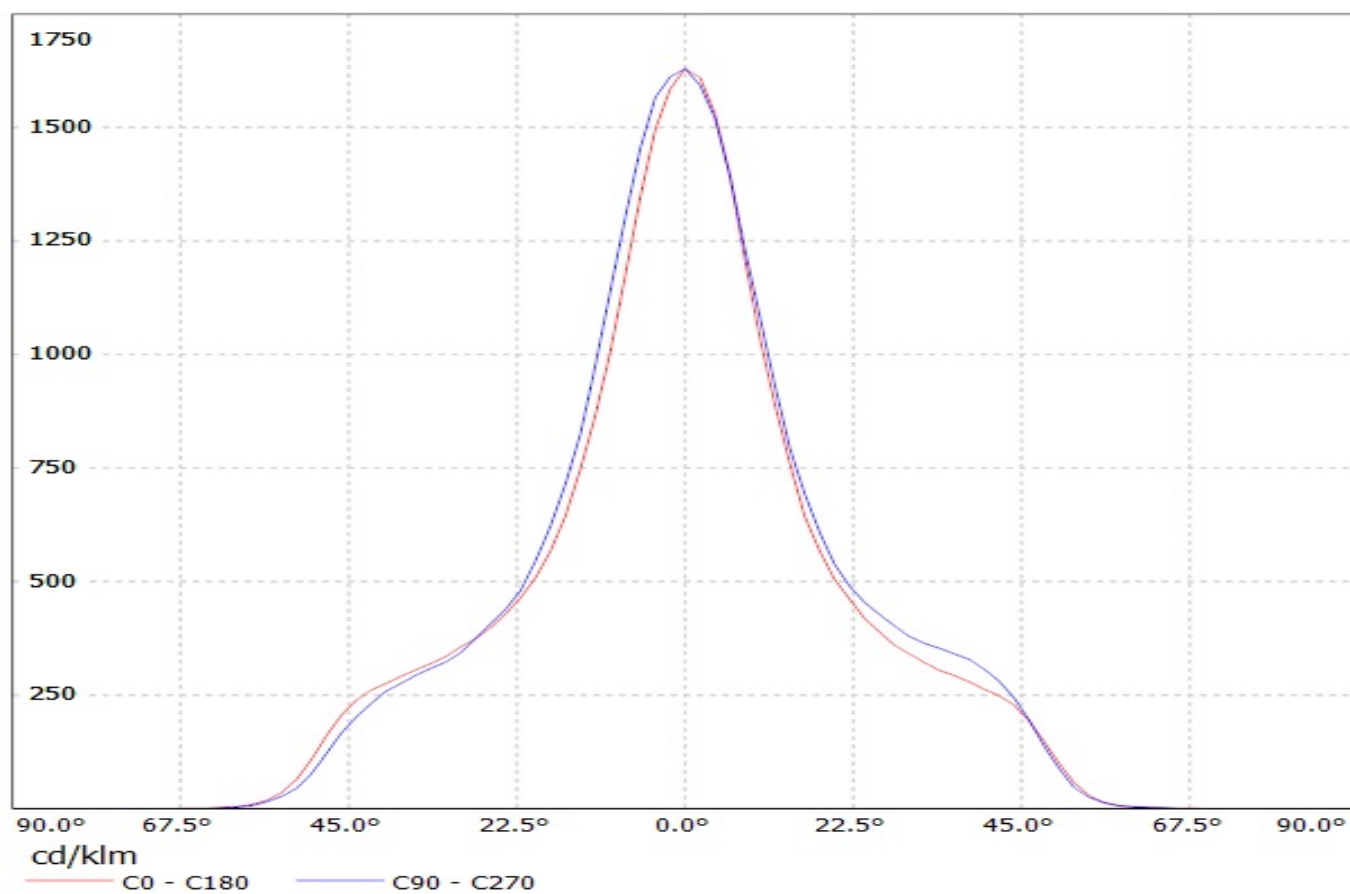
Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



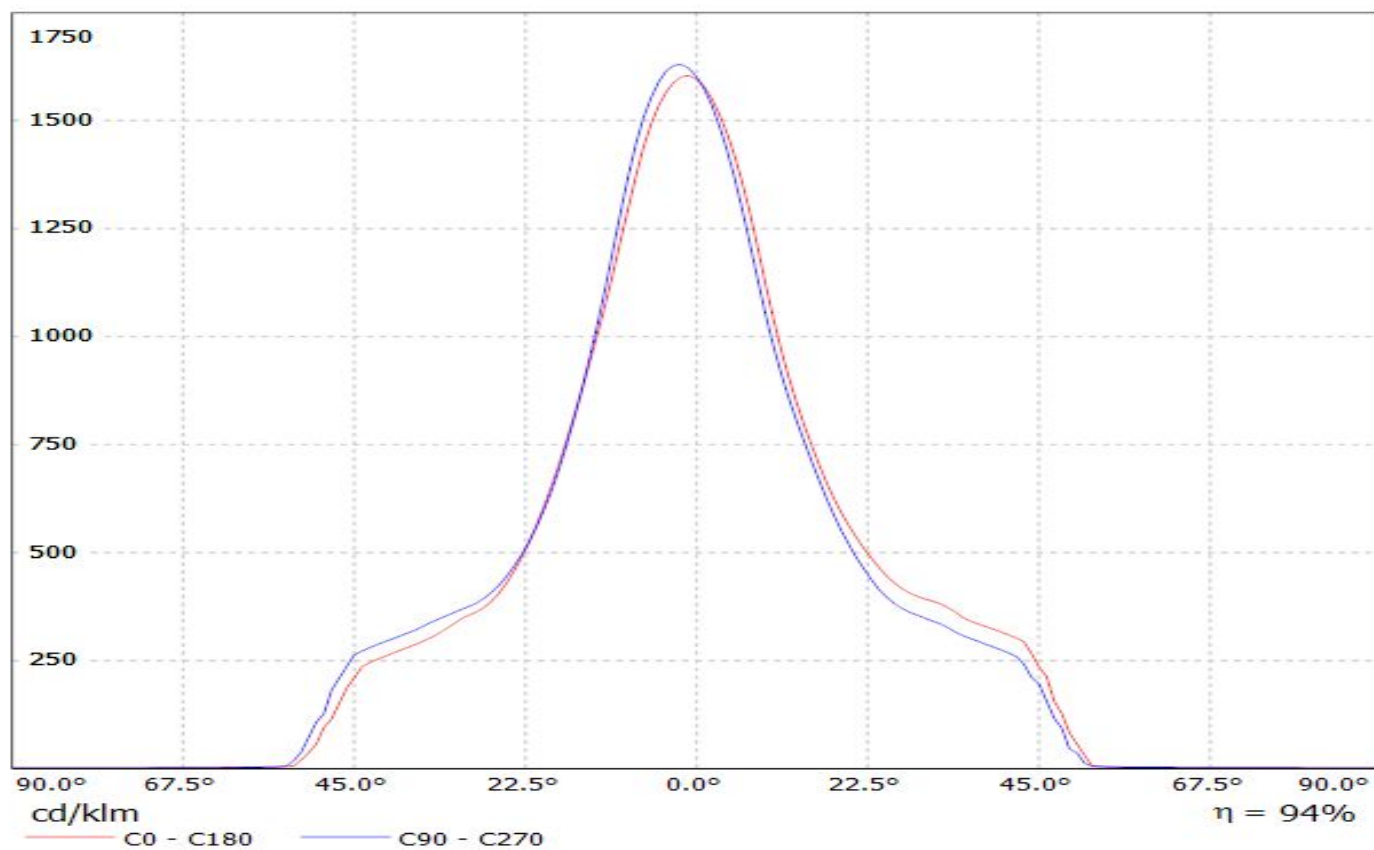
Luminaire: LEDil Oy FC13977_ANGELINA-RZ-S-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930 lm @ 250mA CCT=4000K P=8.2W I=250mA



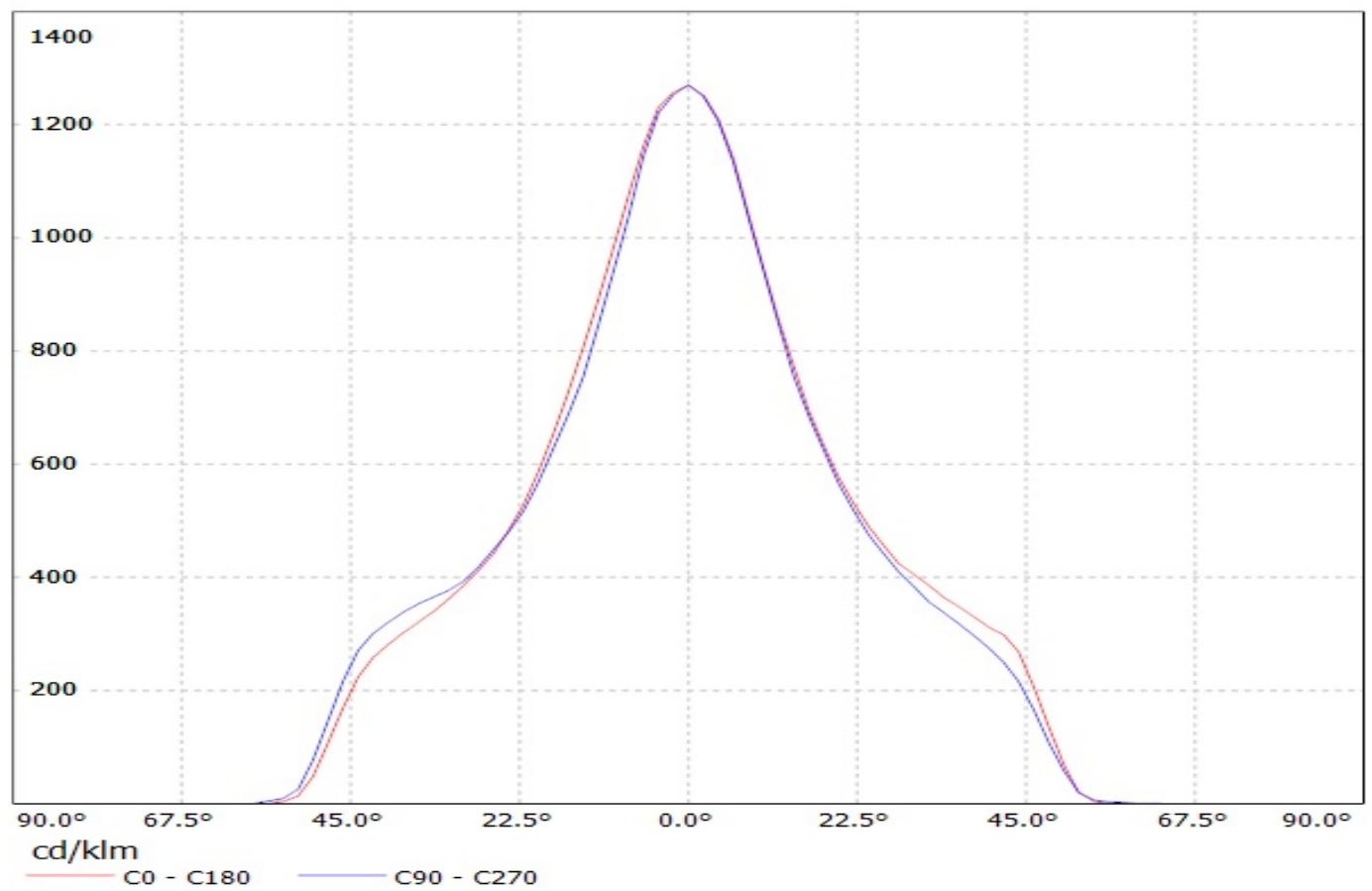
LEDiL Oy C13401_ANGELINA-M_(LUXEON_K12) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13401_ANGELINA-M_(LUXEON_K12) Eff.94.0%

Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



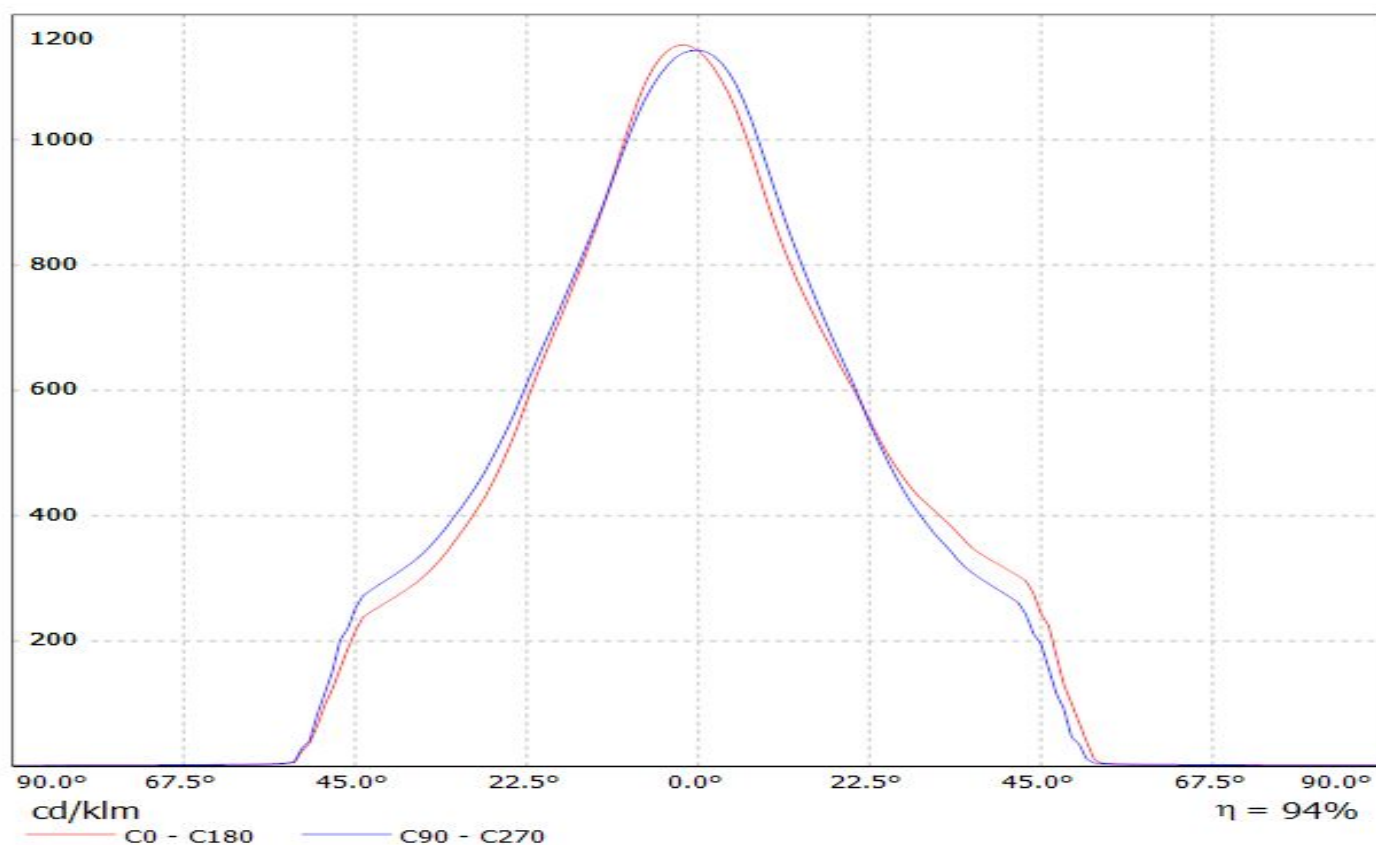
Luminaire: LEdil Oy FC13975_ANGELINA-RZ-M_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



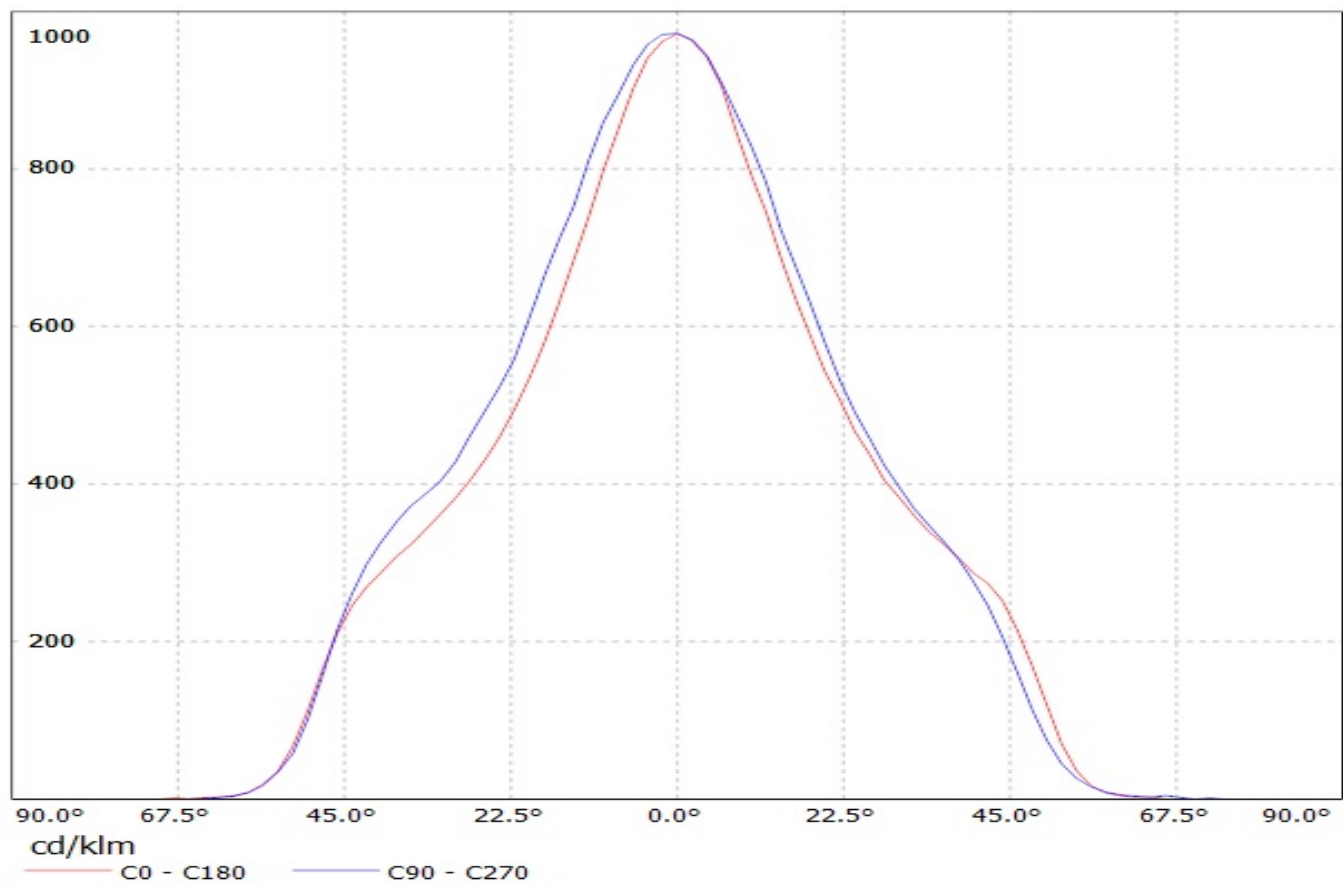
LEDiL Oy C13402_ANGELINA-W_(LUXEON_K12) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13402_ANGELINA-W_(LUXEON_K12) Eff.94.0%

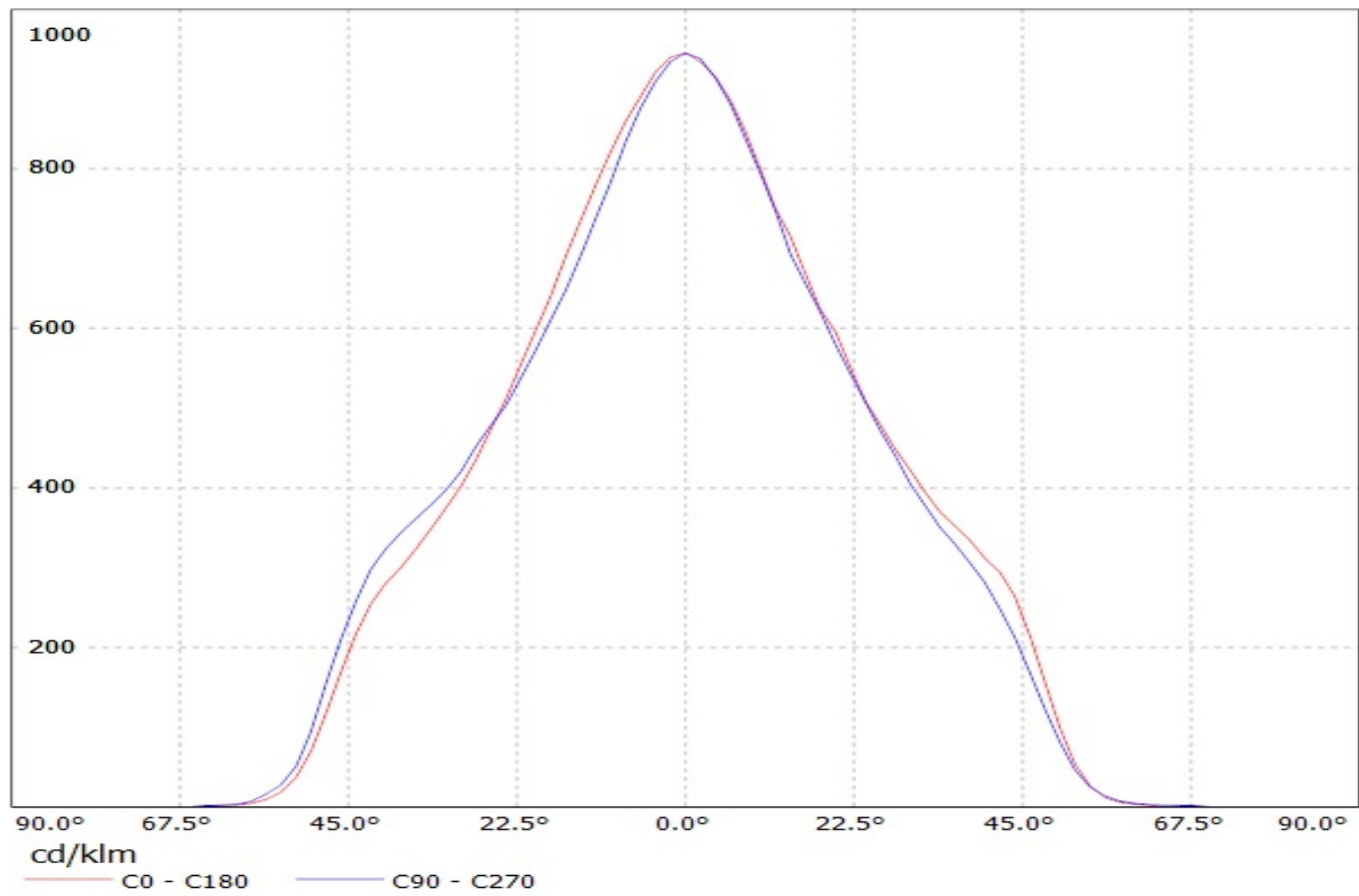
Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



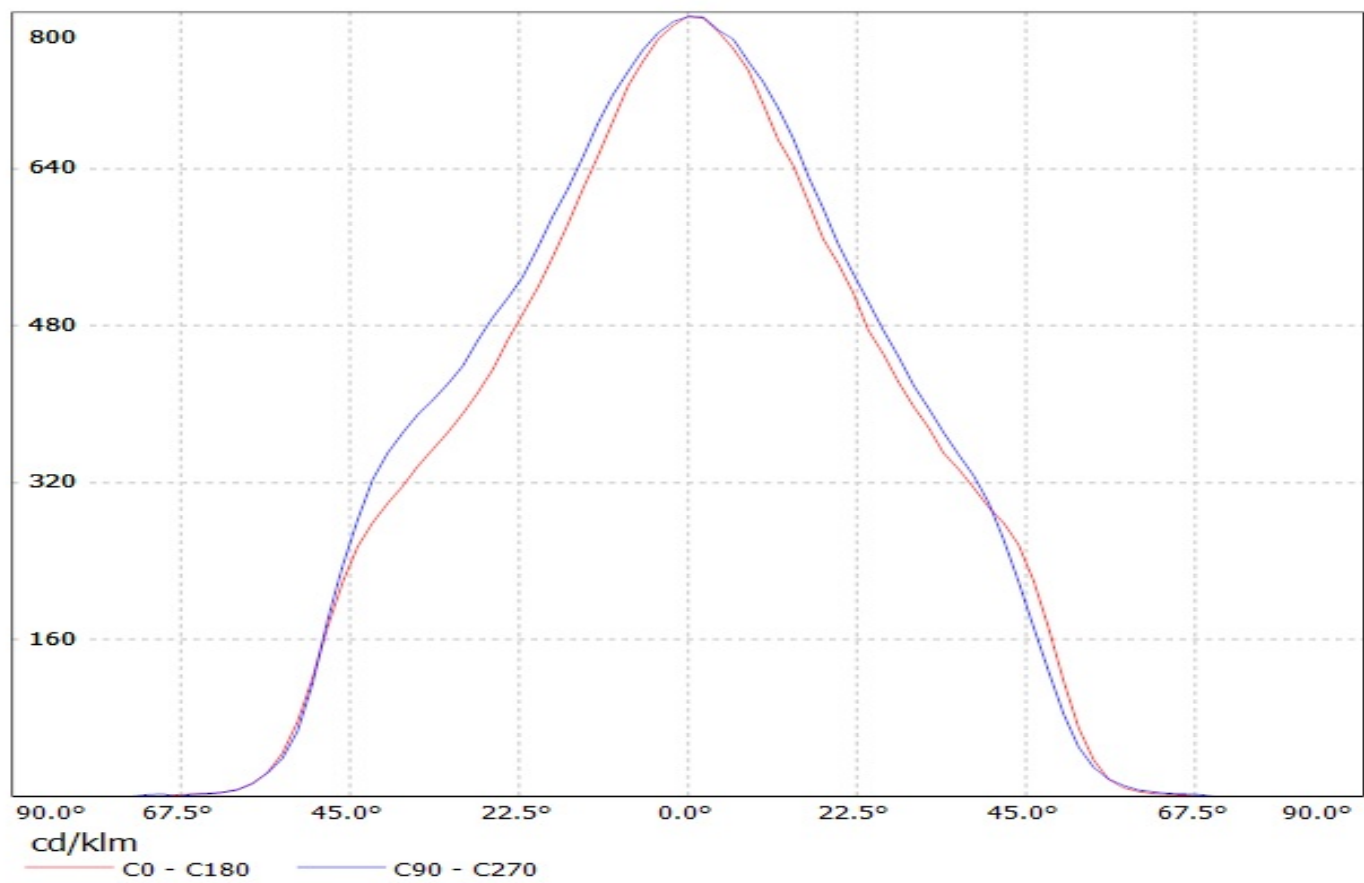
Luminaire: LEDil Oy FC13978_ANGELINA-RZ-M-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



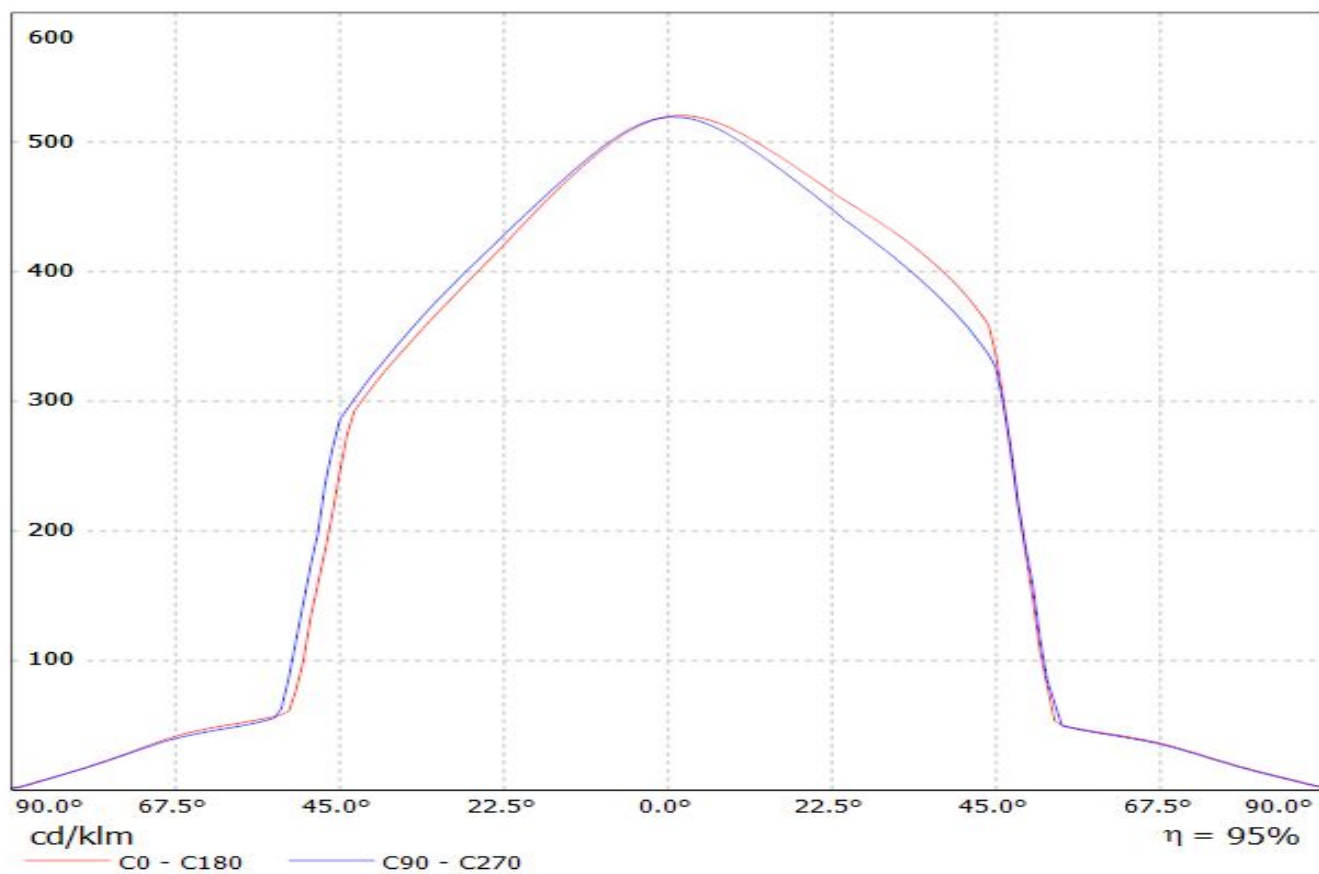
Luminaire: LEDil Oy FC13976_ANGELINA-RZ-W_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



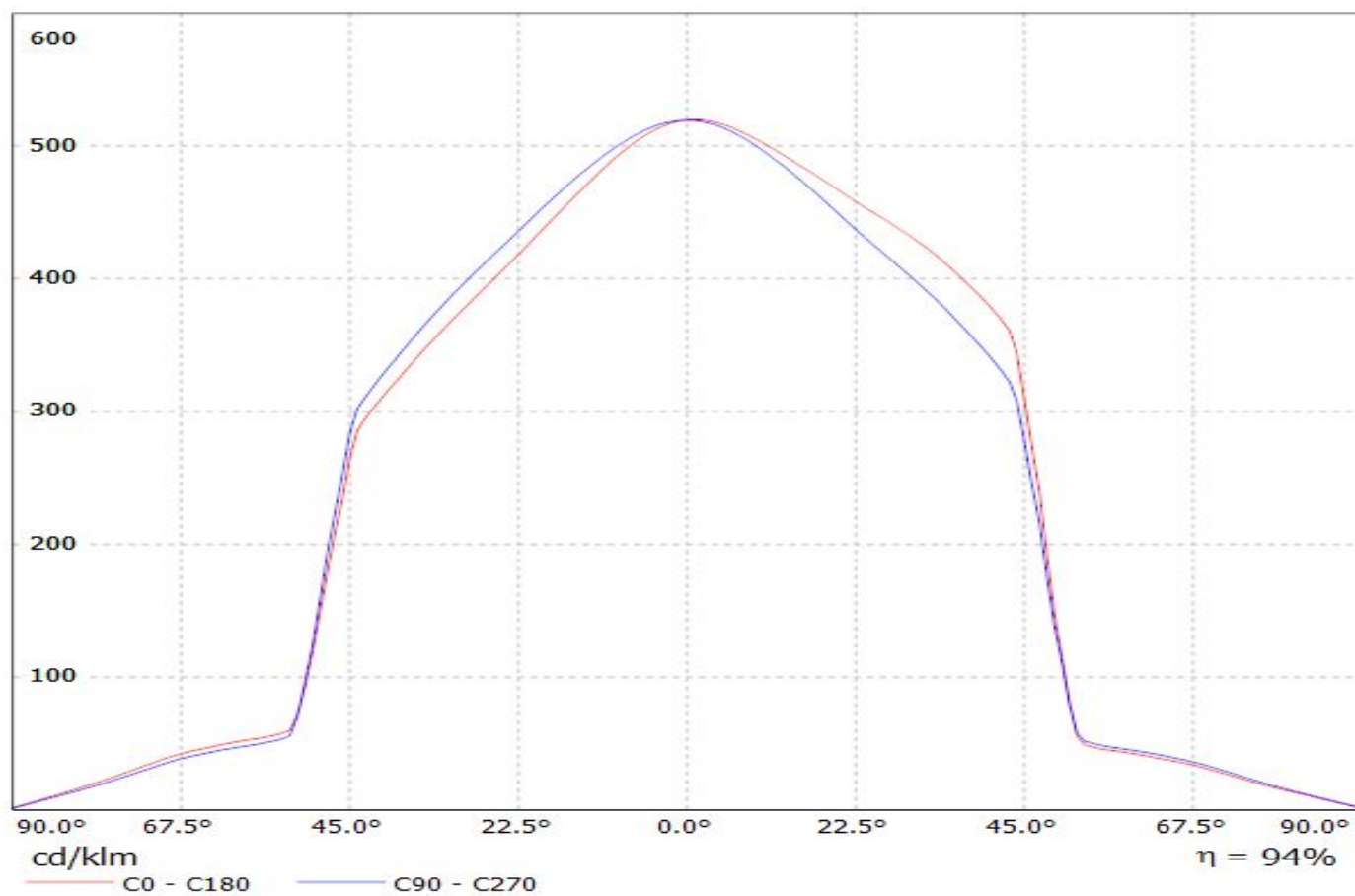
Luminaire: LEDil Oy FC13979_ANGELINA-RZ-W-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(K12)
Lamps: 1 x Luxeon_K12_950lm@250mA_P=8.20472W_I=249.9mA



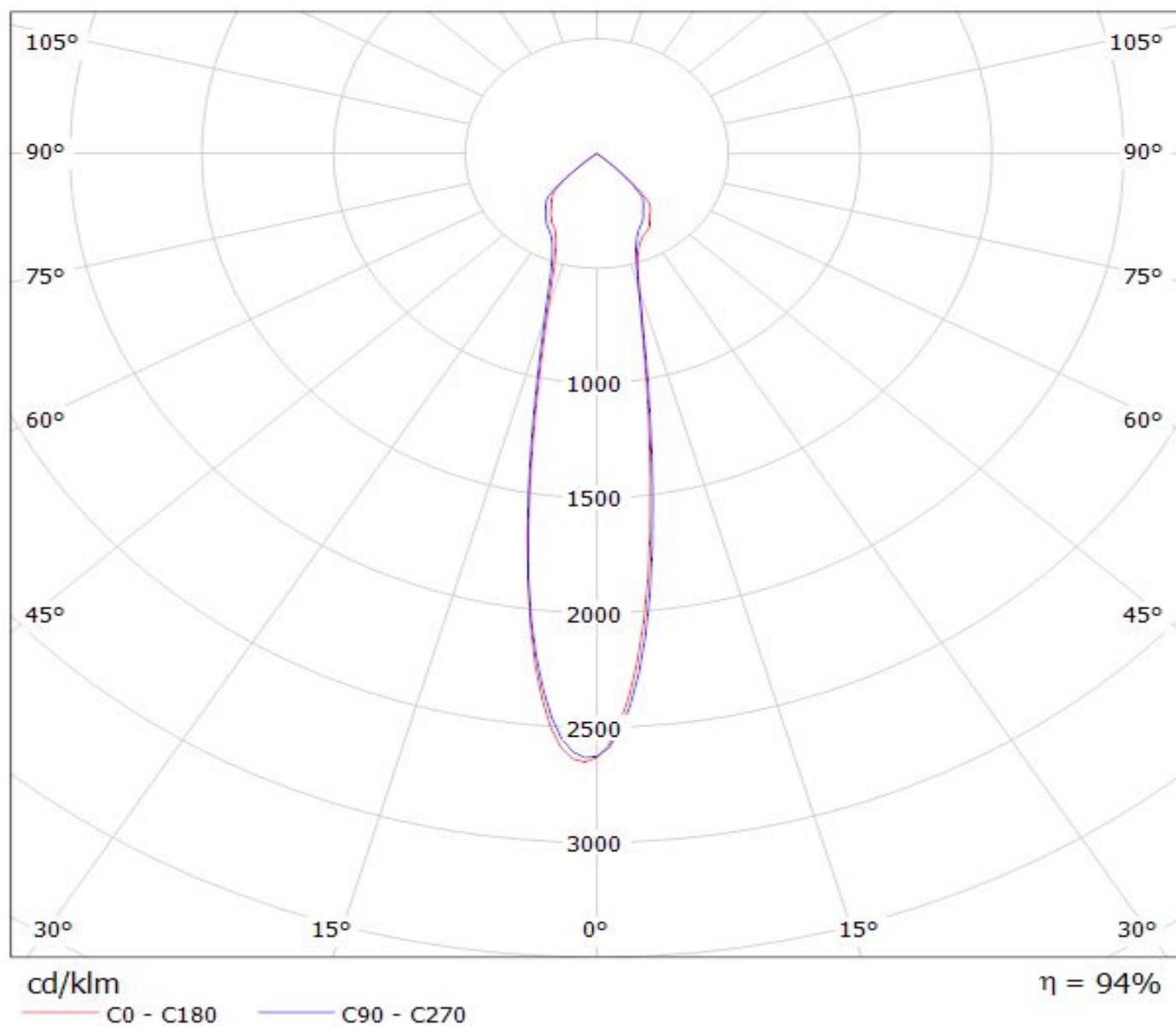
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(K12) Eff.94.0%
Lamps: 1 x Luxeon_K12_937.4lm@250mA_CCT=4000K_P=8.19472_I=249.9mA



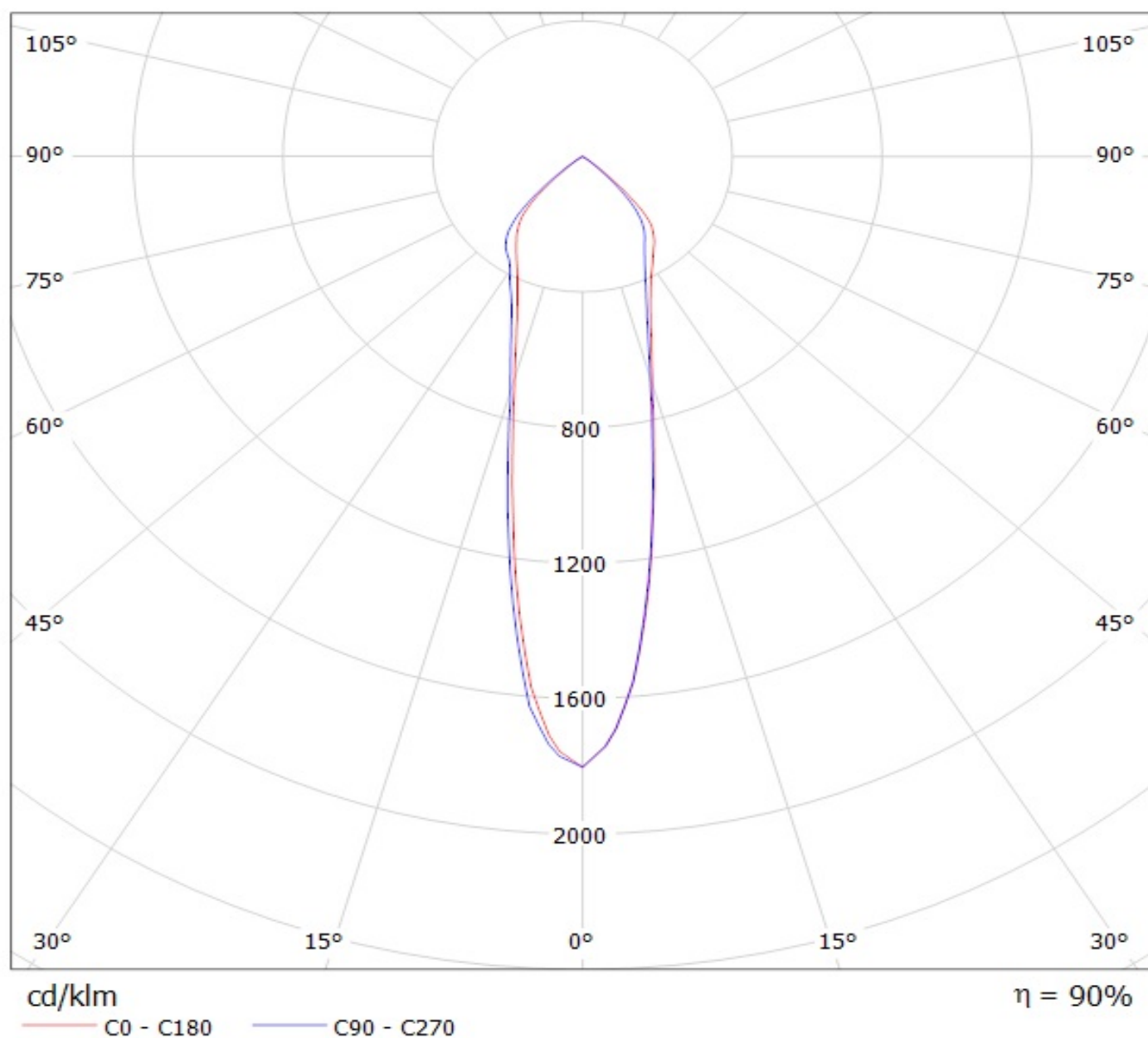
LEDiL Oy C13325_ANGELINA-S_(LUXEON_K12) Eff.94.3% / LDC (Polar)

Luminaire: LEDiL Oy C13325_ANGELINA-S_(LUXEON_K12) Eff.94.3%

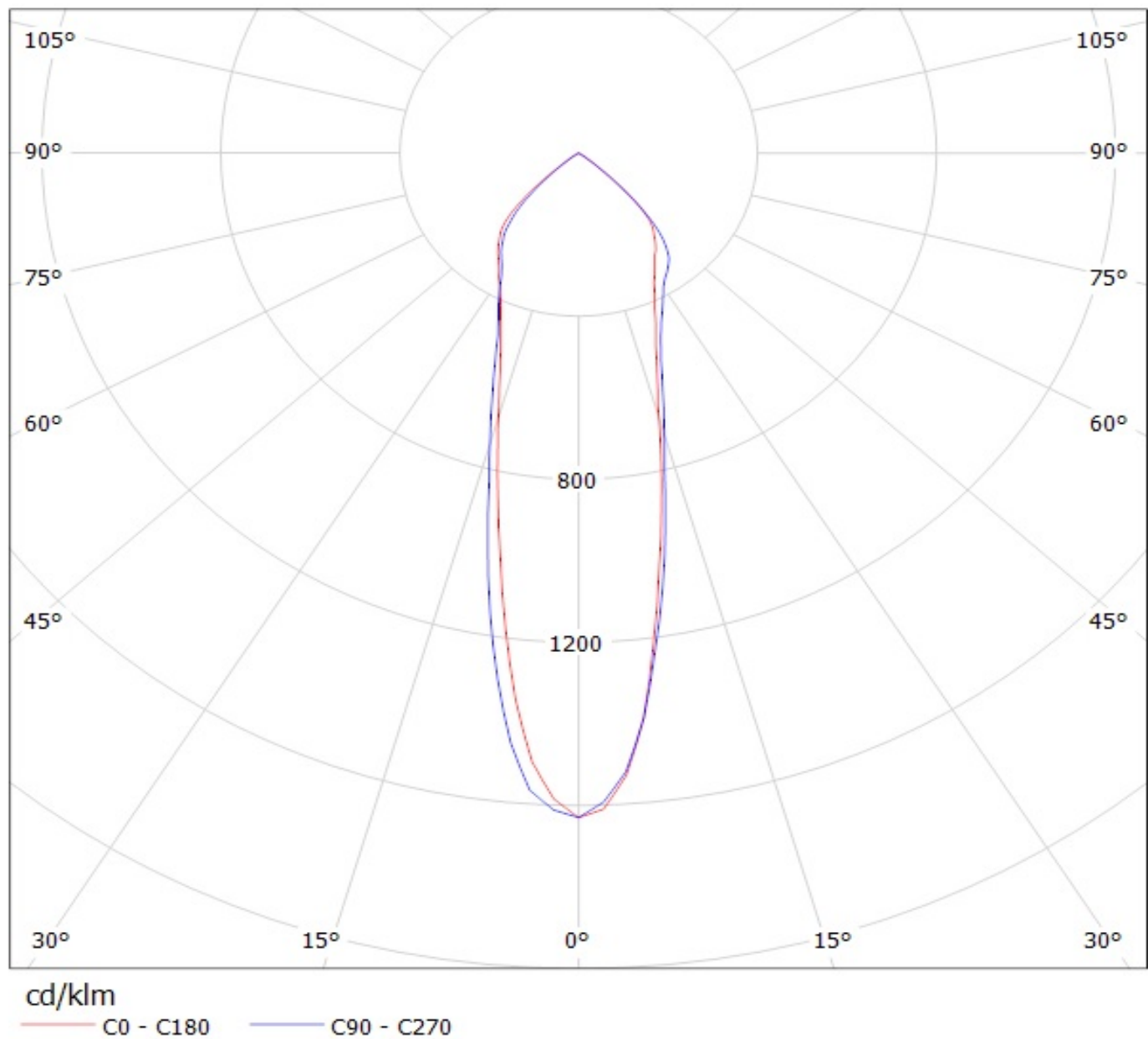
Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



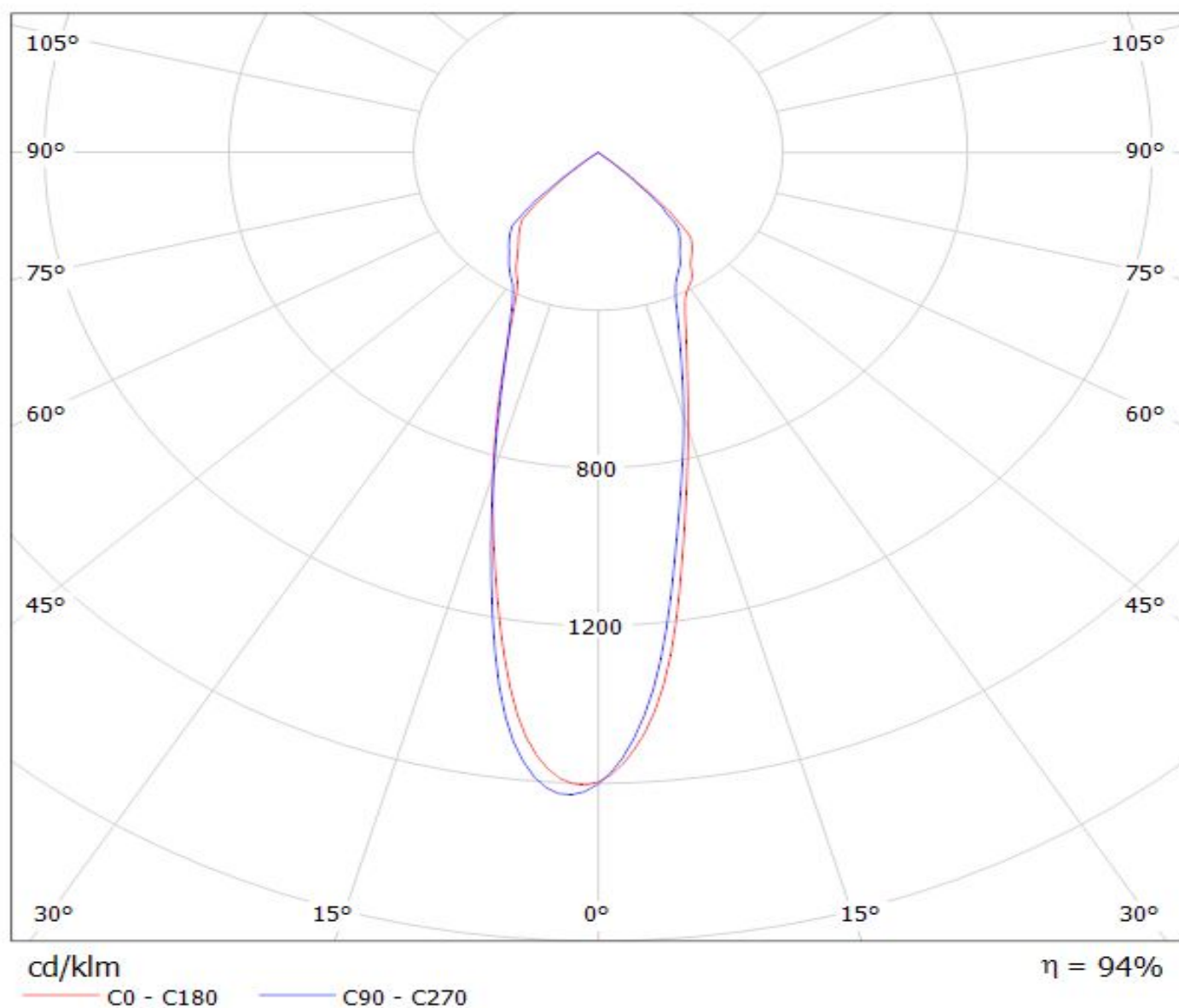
Luminaire: LEDil Oy FC13977_ANGELINA-RZ-S-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930 lm @ 250mA CCT=4000K P=8.2W I=250mA



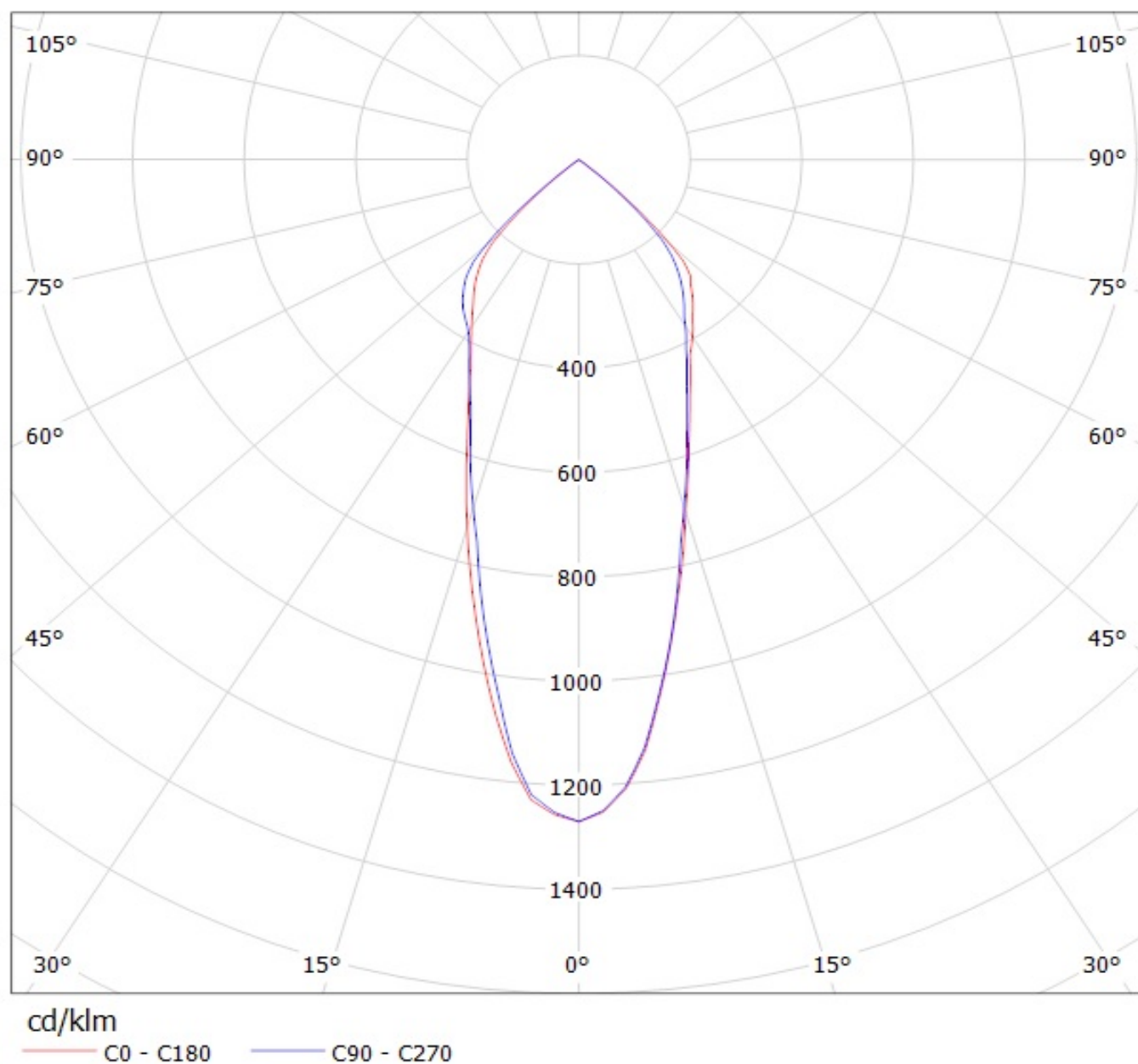
LEDiL Oy C13401_ANGELINA-M_(LUXEON_K12) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13401_ANGELINA-M_(LUXEON_K12) Eff.94.0%

Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



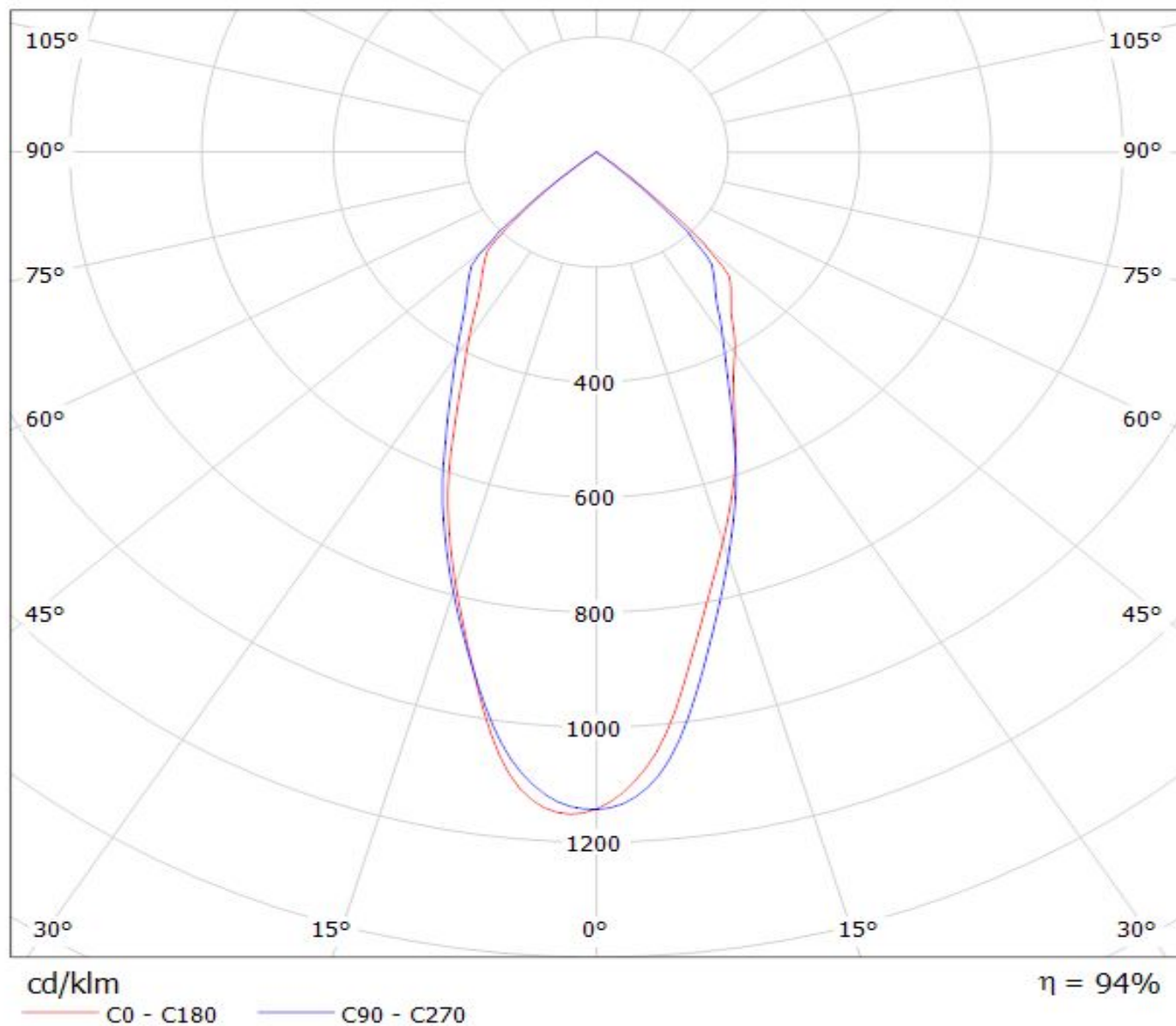
Luminaire: LEdil Oy FC13975_ANGELINA-RZ-M_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



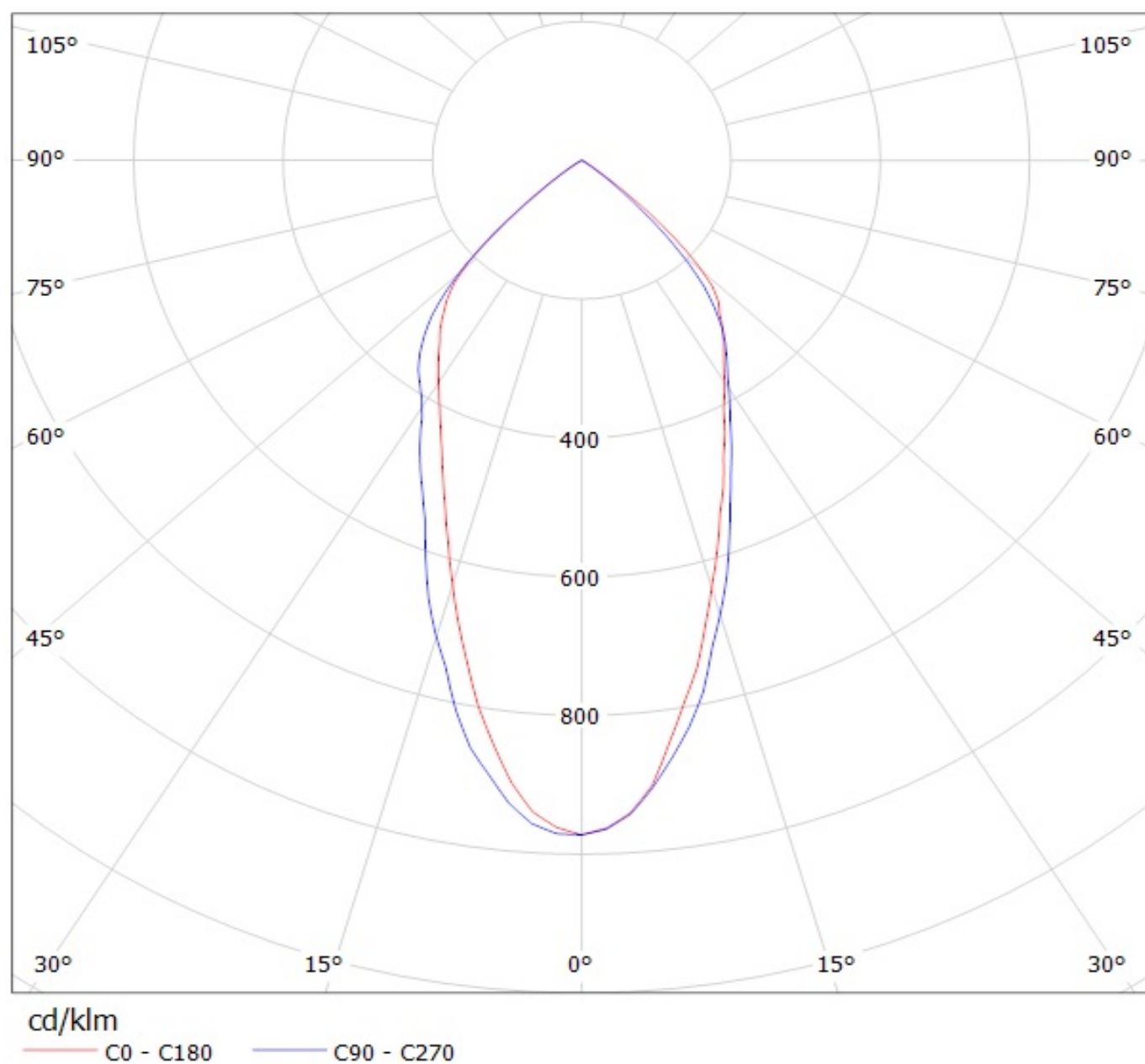
LEDiL Oy C13402_ANGELINA-W_(LUXEON_K12) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13402_ANGELINA-W_(LUXEON_K12) Eff.94.0%

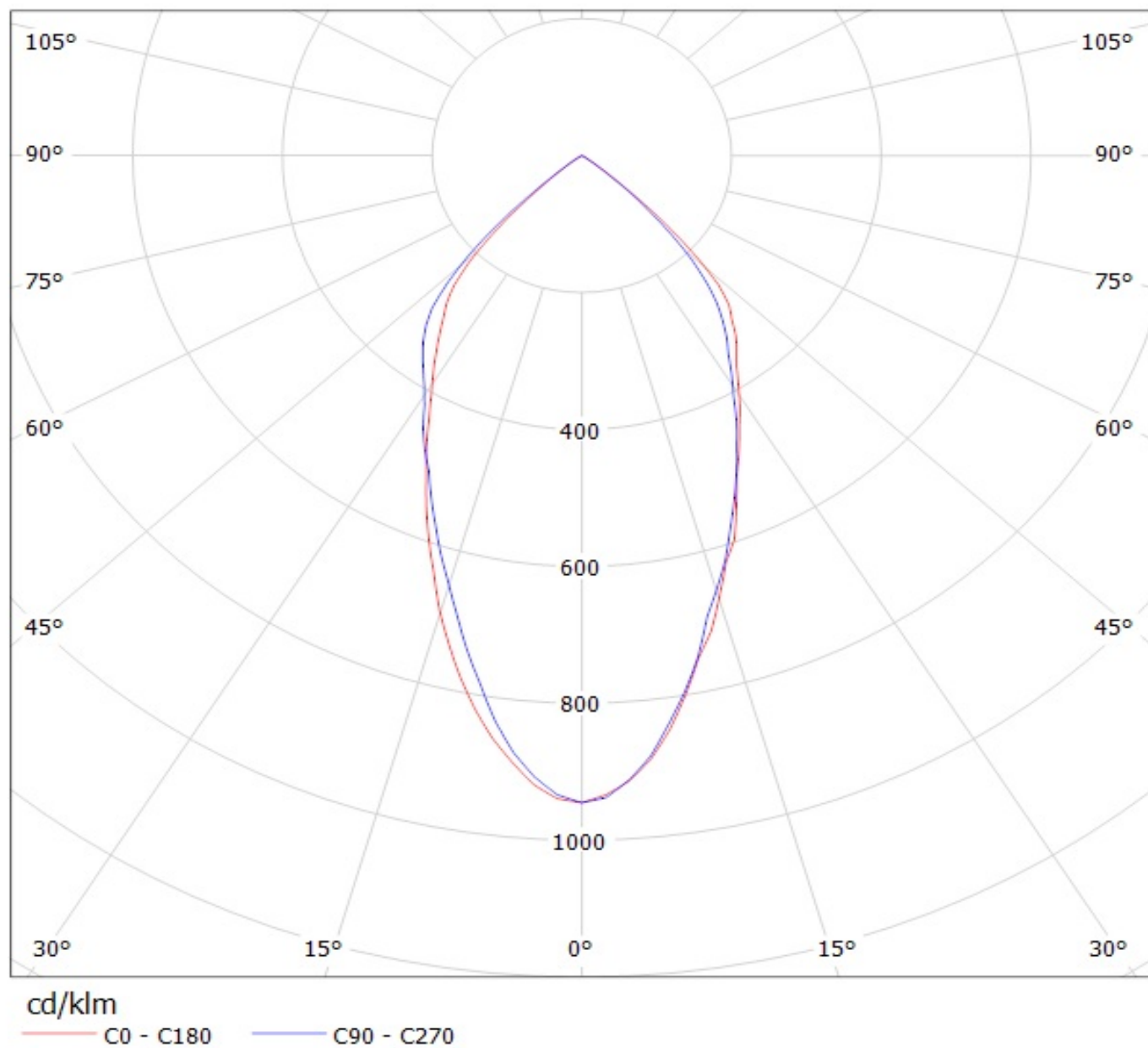
Lamps: 1 x LUXEON_K12 (929.543lm@250mA)



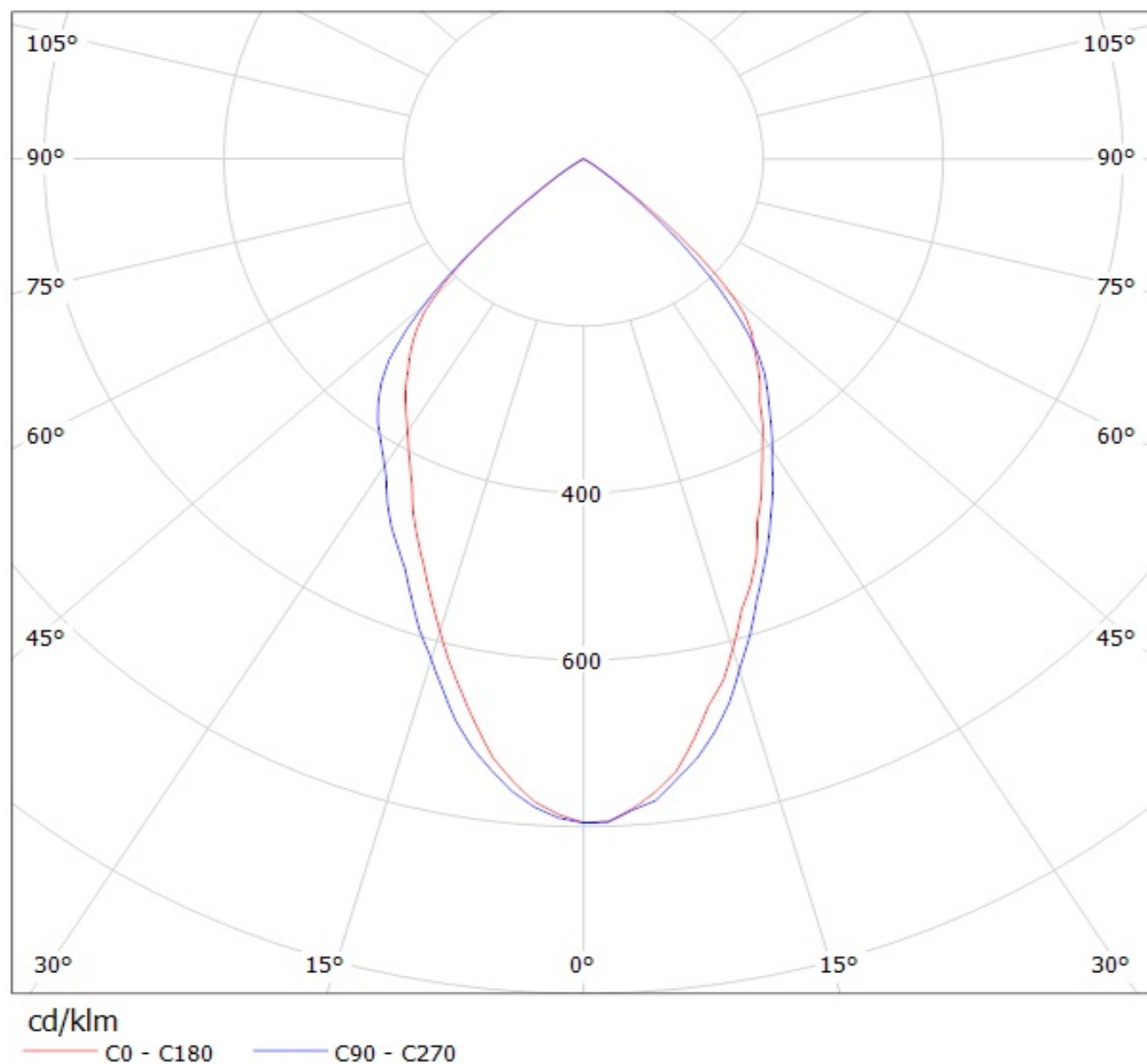
Luminaire: LEDil Oy FC13978_ANGELINA-RZ-M-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



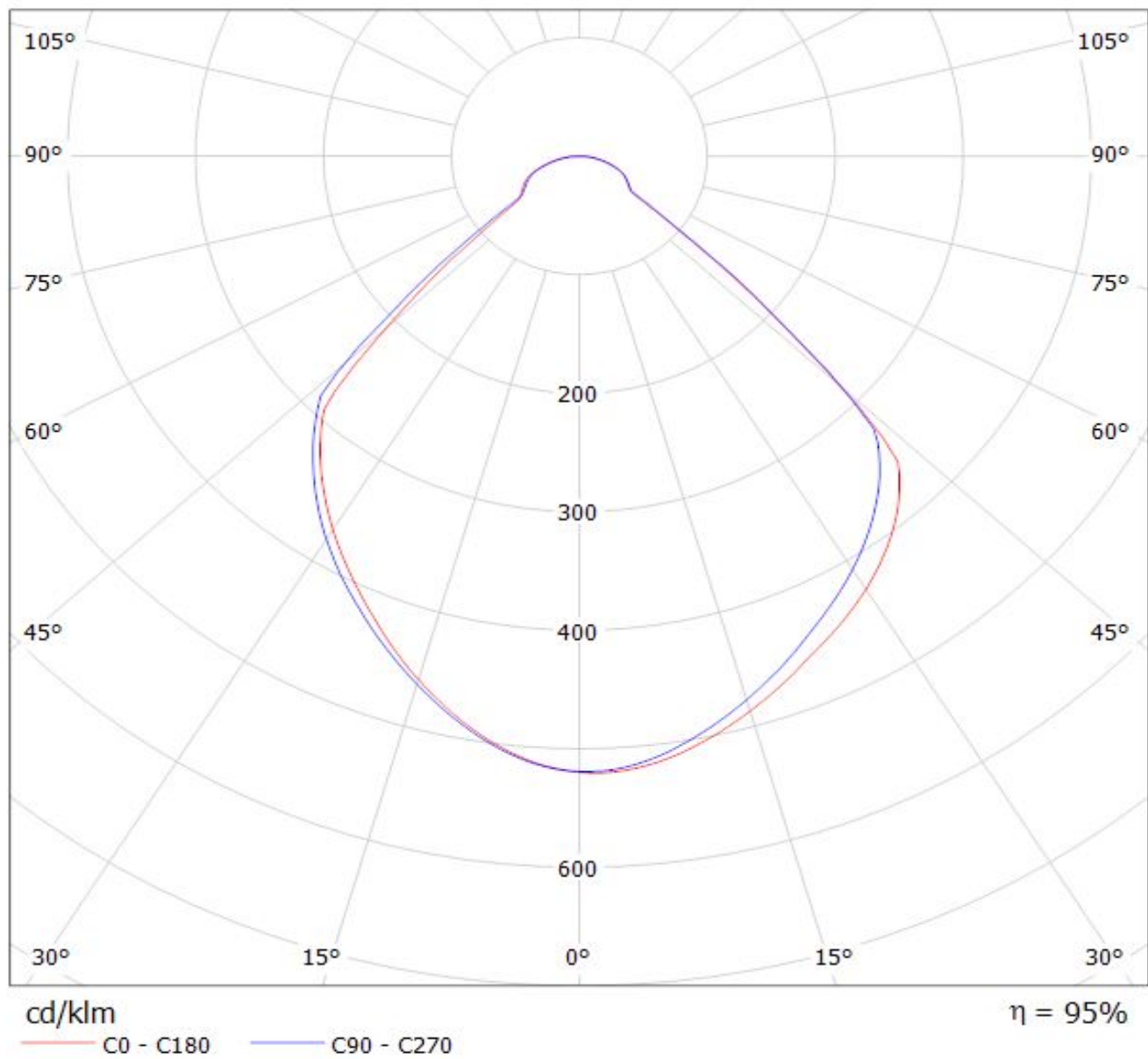
Luminaire: LEDil Oy FC13976_ANGELINA-RZ-W_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



Luminaire: LEDil Oy FC13979_ANGELINA-RZ-W-B_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



Luminaire: LEDiL Oy F13839_ANGELINA-XW-B_(K12)
Lamps: 1 x Luxeon_K12_950lm@250mA_P=8.20472W_I=249.9mA



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(K12) Eff.94.0%

Lamps: 1 x Luxeon_K12_937.4lm@250mA_CCT=4000K_P=8.19472_I=249.9mA

