

## DETAILS

<b>Product Number</b>	F13325_ANGELINA-S
<b>Family</b>	ANGELINA
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	82 mm
<b>Height</b>	31 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	13/06/2014



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
PrevaLED Core Z3 LES9	14 deg	Spot	94 %	3.800	TE: Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L9 G4 standard	15 deg	Spot	94 %	3.400	TE: Z50 Optic Clip part nr. 2213194-1
CLU720	15 deg	Spot	94 %	3.100	IDEAL: 50-2103CT + Angela(50-2100AN)
PrevaLED Core AC (LEP-800)	16 deg	Spot	94 %	3.100	TE: Z50 Optic Clip part nr. 2213194-1
CXA/B 1816 & CXA/B 1820 & CXA 1850	16 deg	Spot	94 %	3.290	IDEAL: 50-2101CR + Angela(50-2100AN)
L121A/L060B/L024Z	16 deg	Spot	91 %	3.080	IDEAL: 50-2100NC + Angela(50-2100AN)
CLU720	17 deg	Spot	94 %	2.700	TE: part nr. 2213254-2 + Z50 Optic Clip part nr. 2213194-1
BXRA ES Rectangle	17 deg	Spot	94 %	3.000	IDEAL: 50-2100BL + Angela(50-2100AN)
LUXEON CoB 1204/1205	17 deg	Spot	94 %	2.980	IDEAL: 50-2100SH + Angela(50-2100AN)
COB 10W/13W/17W/24W	17 deg	Spot	94 %	3.020	IDEAL: 50-2100LG + Angela(50-2100AN)
Fortimo LED SLM L13 G4 standard	18 deg	Spot	94 %	2.900	TE: Z50 Optic Clip part nr. 2213194-1
LUXEON CoB 1204/1205	19 deg	Spot	94 %	3.100	TE: part nr. 2213130-2 + Z50 Optic Clip part nr. 2213194-1
CLL03x/CLU034	19 deg	Spot	94 %	2.710	IDEAL: 50-2103CT + Angela(50-2100AN)
Soleriq P13	20 deg	Spot	93 %	2.510	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
Soleriq S13	20 deg	Spot	94 %	2.800	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
LUXEON K12	20 deg	Spot	94 %	2.660	TE: part nr. 2213134-2 + Z50 Optic Clip part nr. 2213194-1
CXM-14	20 deg	Spot	94 %	2.530	TE: part nr 2213254-2 + Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L15 G4 standard	20 deg	Spot	93 %	2.400	TE: Z50 Optic Clip part nr. 2213194-1
Mega Zenigata (GW6DME)	20 deg	Spot	94 %	2.650	IDEAL: 50-2100SH + Angela(50-2100AN)
LUXEON CoB 1208	20 deg	Spot	94 %	2.610	IDEAL: 50-2100SH + Angela(50-2100AN)
J216A/J130B/J108B/J048Z	20 deg	Spot	94 %	2.530	IDEAL: 50-2103NC + Angela(50-2100AN)
WU-M-461	20 deg	Spot	94 %	2.660	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-484	21 deg	Spot	93 %	2.430	TE: Z50 Optic Clip part nr. 2213194-1
Mega Zenigata (GW6DME)	21 deg	Spot	92 %	2.770	TE: part nr. 2213130-2 + Z50 Optic Clip part nr. 2213194-1
PrevaLED Core Z4 LES19	21 deg	Spot	94 %	2.300	TE: Z50 Optic Clip part nr. 2213194-1

D

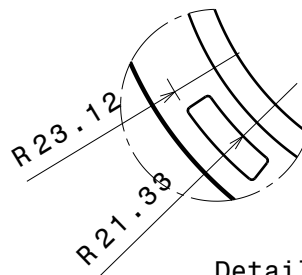
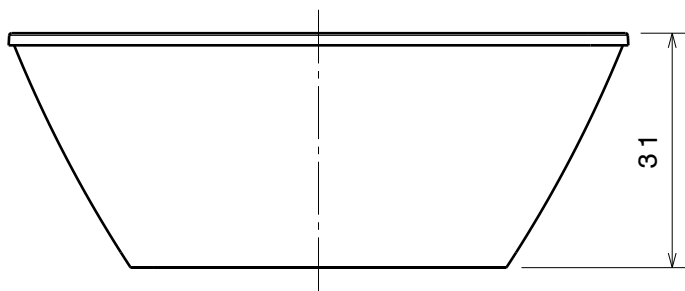
C

B

A

4

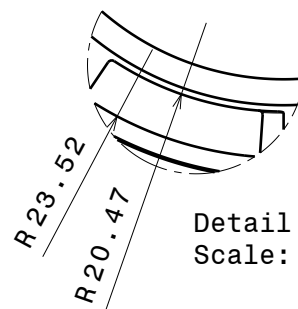
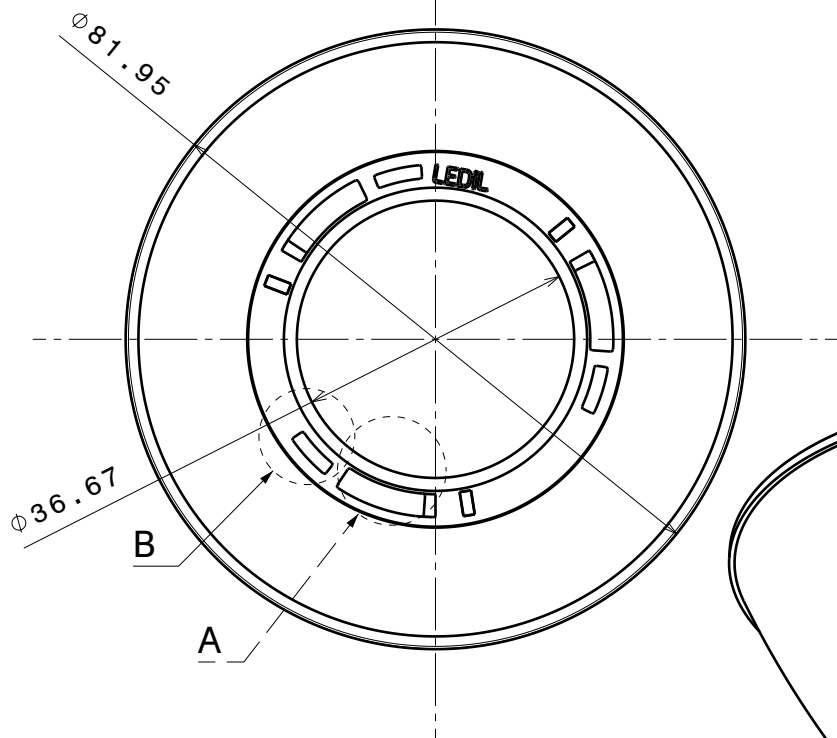
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Detail B  
Scale: 2:1

3

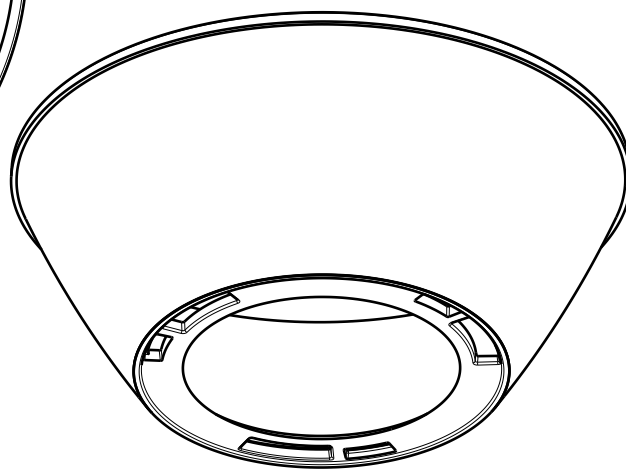
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Detail A  
Scale: 2:1

2

2



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**

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

SIZE	PART NUMBER
A4	-

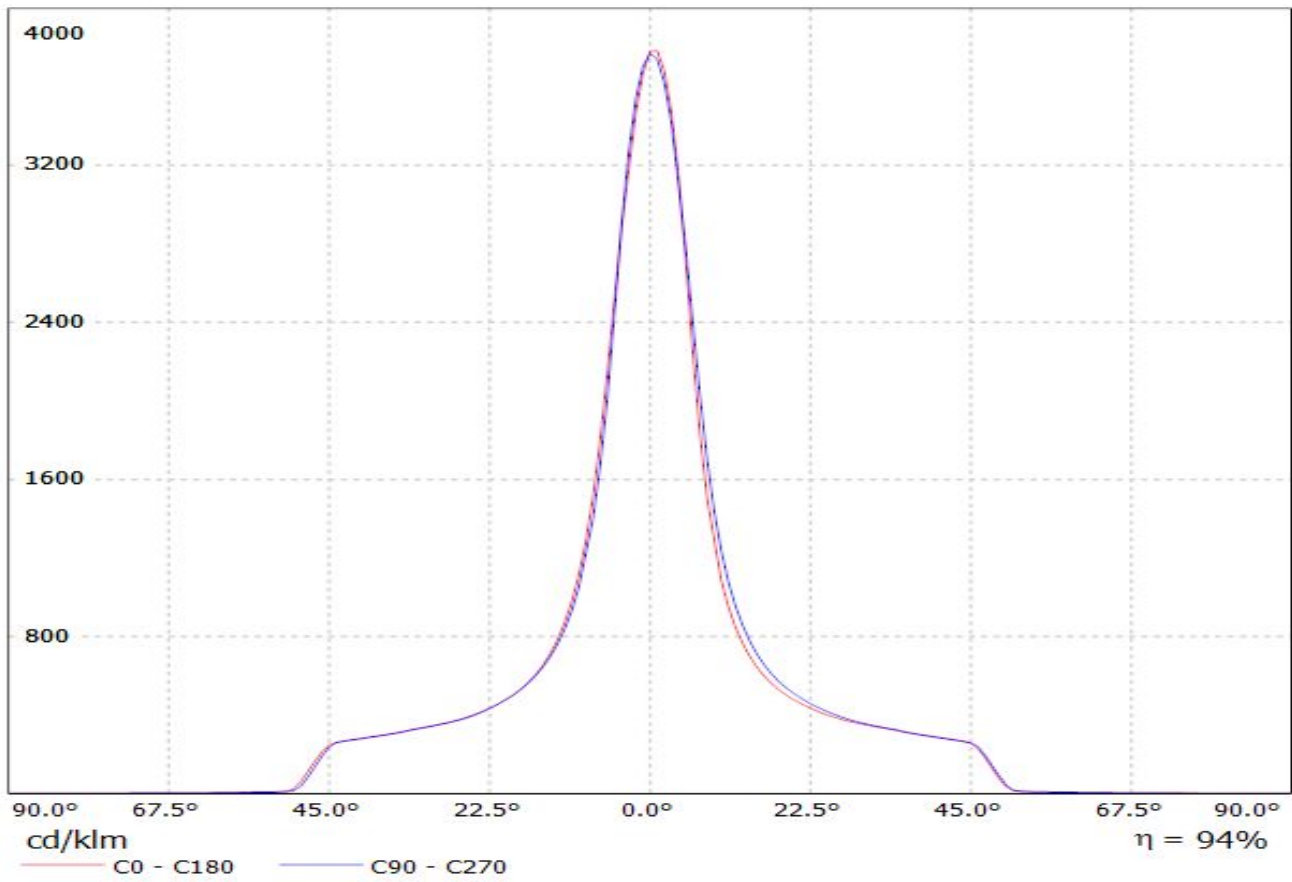
SCALE	1:1	WEIGHT	-	SHEET	1/1
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D

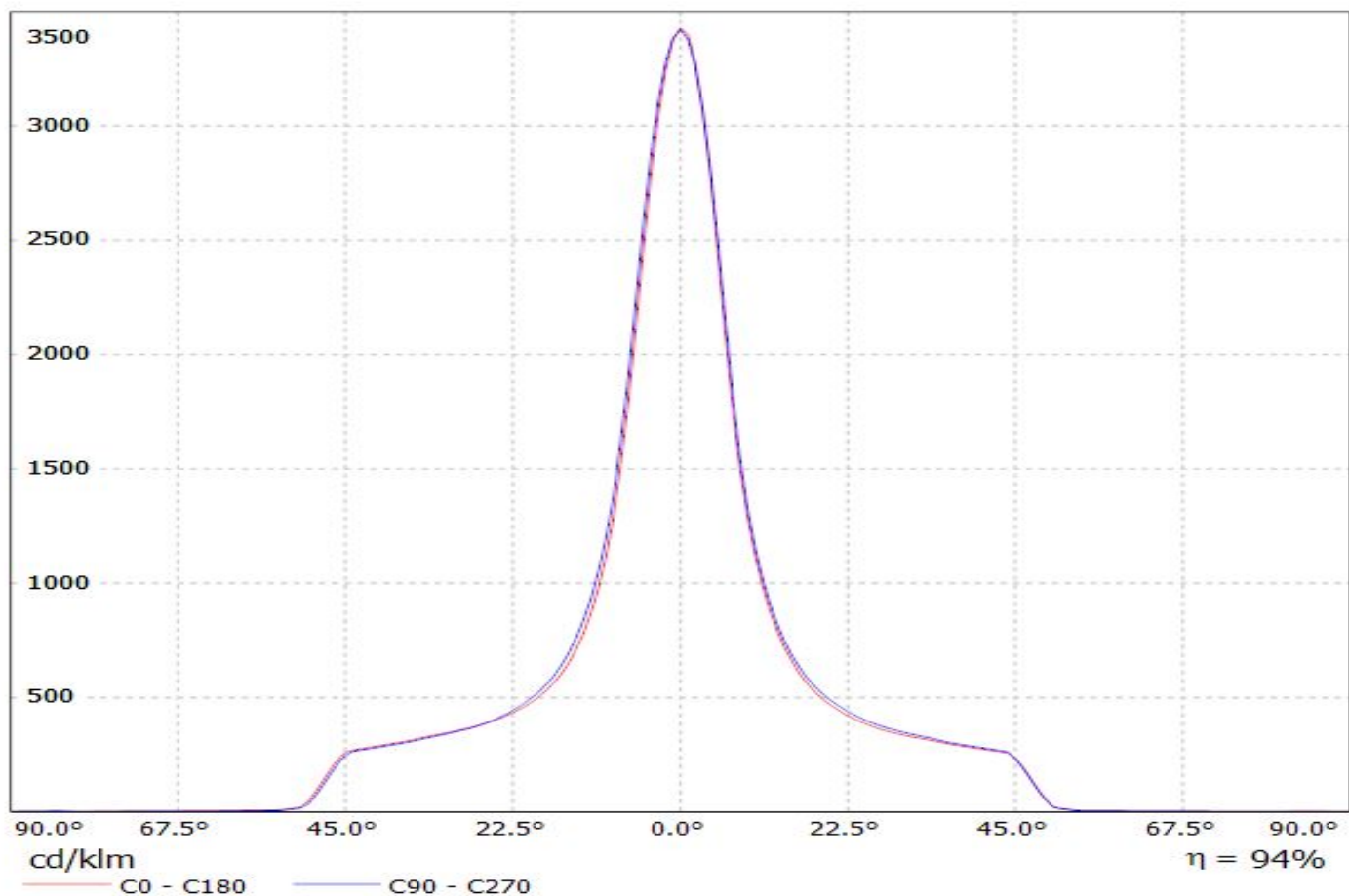
A

1

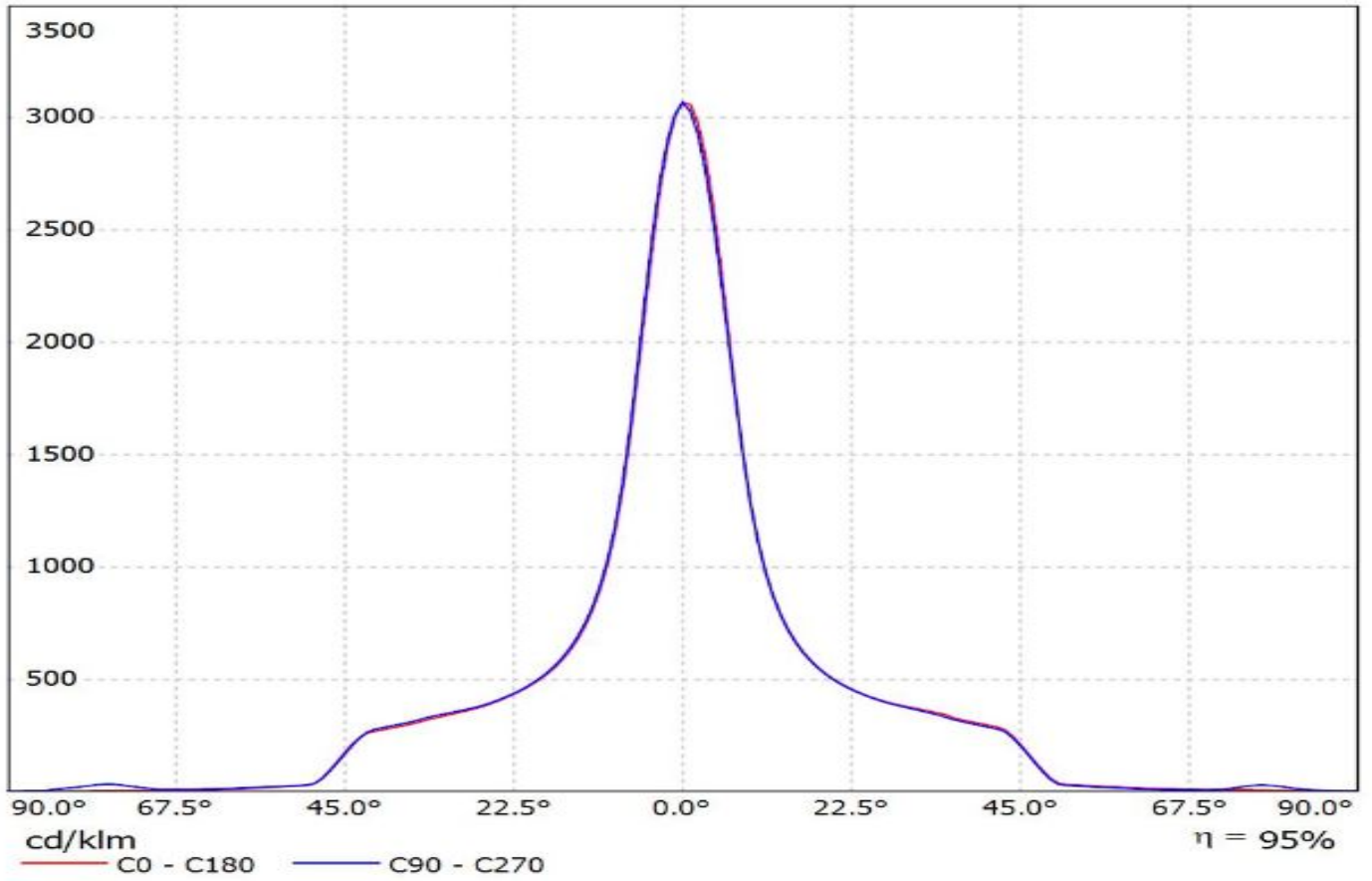
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES9) Eff. 94%  
Lamps: 1 x PrevaLED\_LES9\_(PL-CORE-1100-830-Z3)\_507.9lm@100mA\_P=4.5039W\_I=100.1mA



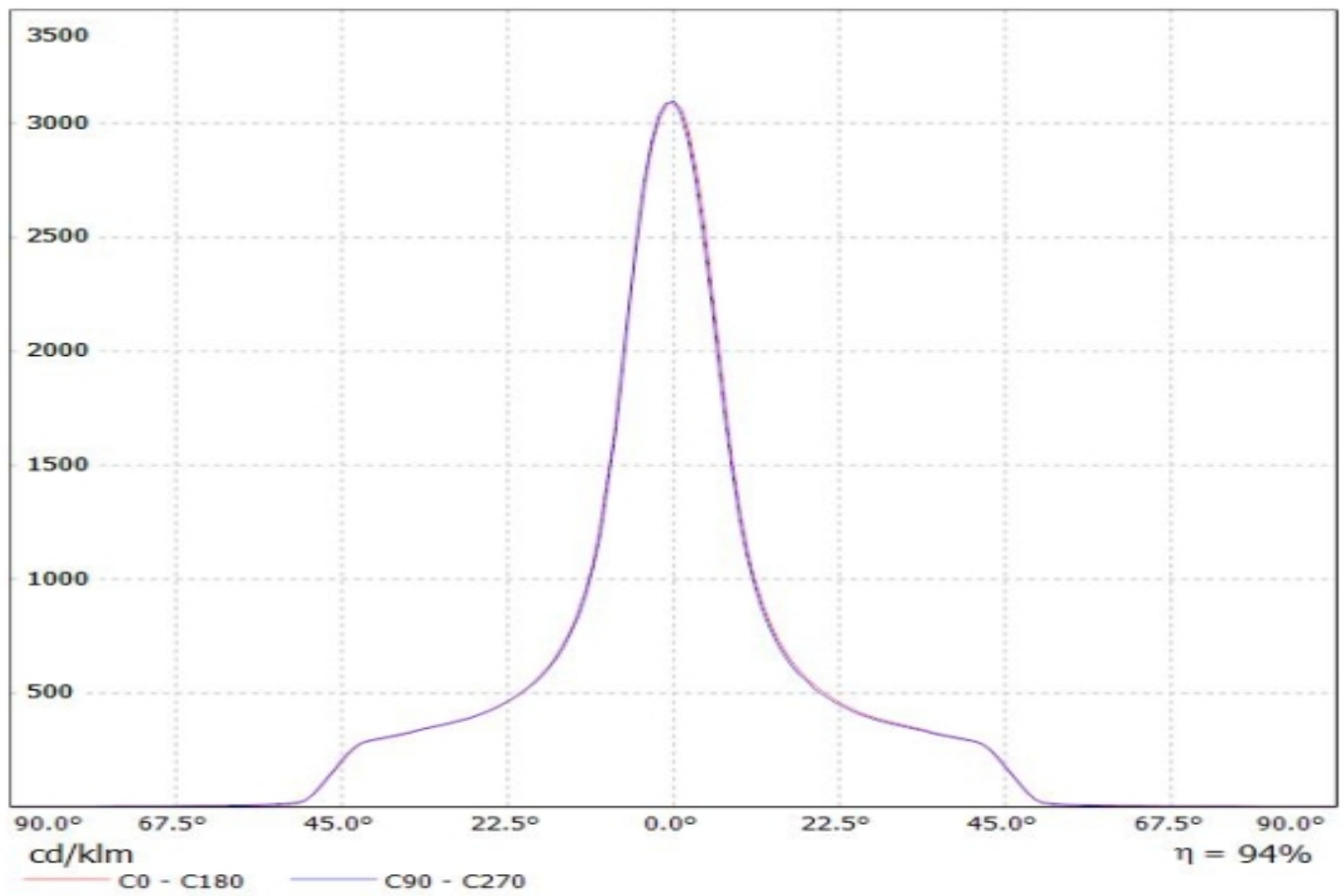
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM 1100 Im 830 L9 G4)  
Lamps: 1 x Fortimo LED SLM 1100 Im 830 L9 G4\_1021.27lm@250mA\_P=9.2431W\_I=0.2498A



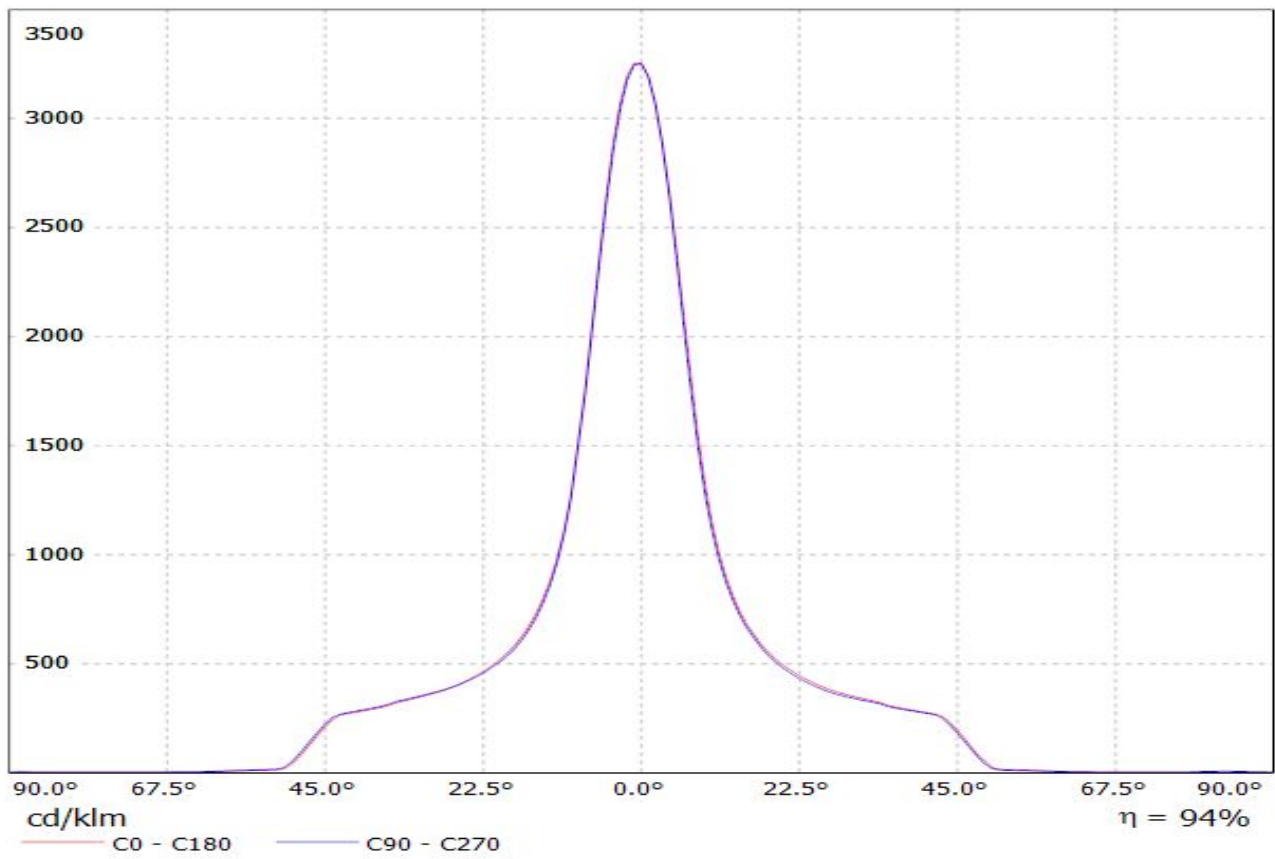
Luminaire: Ledil F13325\_ANGELINA-S\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1337.27lm@250mA\_CCT=2700K\_P=8.35W\_I=0.25A



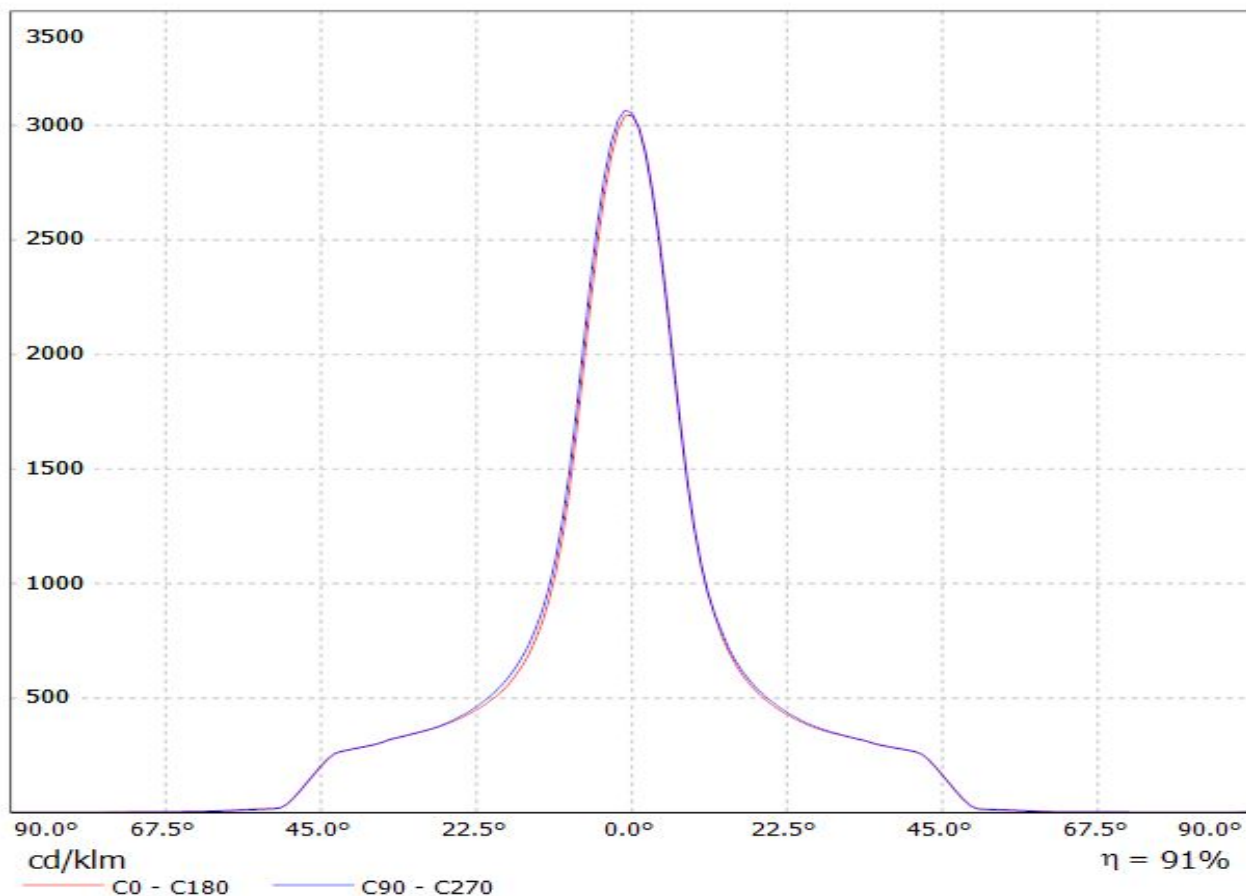
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LEP-800-827-C-AC)  
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-800-827-C-AC) 910lm@60mA U:230V P:14W



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA1816) Eff. 94%  
Lamps: 1 x CREE\_CXA1816\_1050lm@250mA\_P=8.65157W\_I=249.9mA

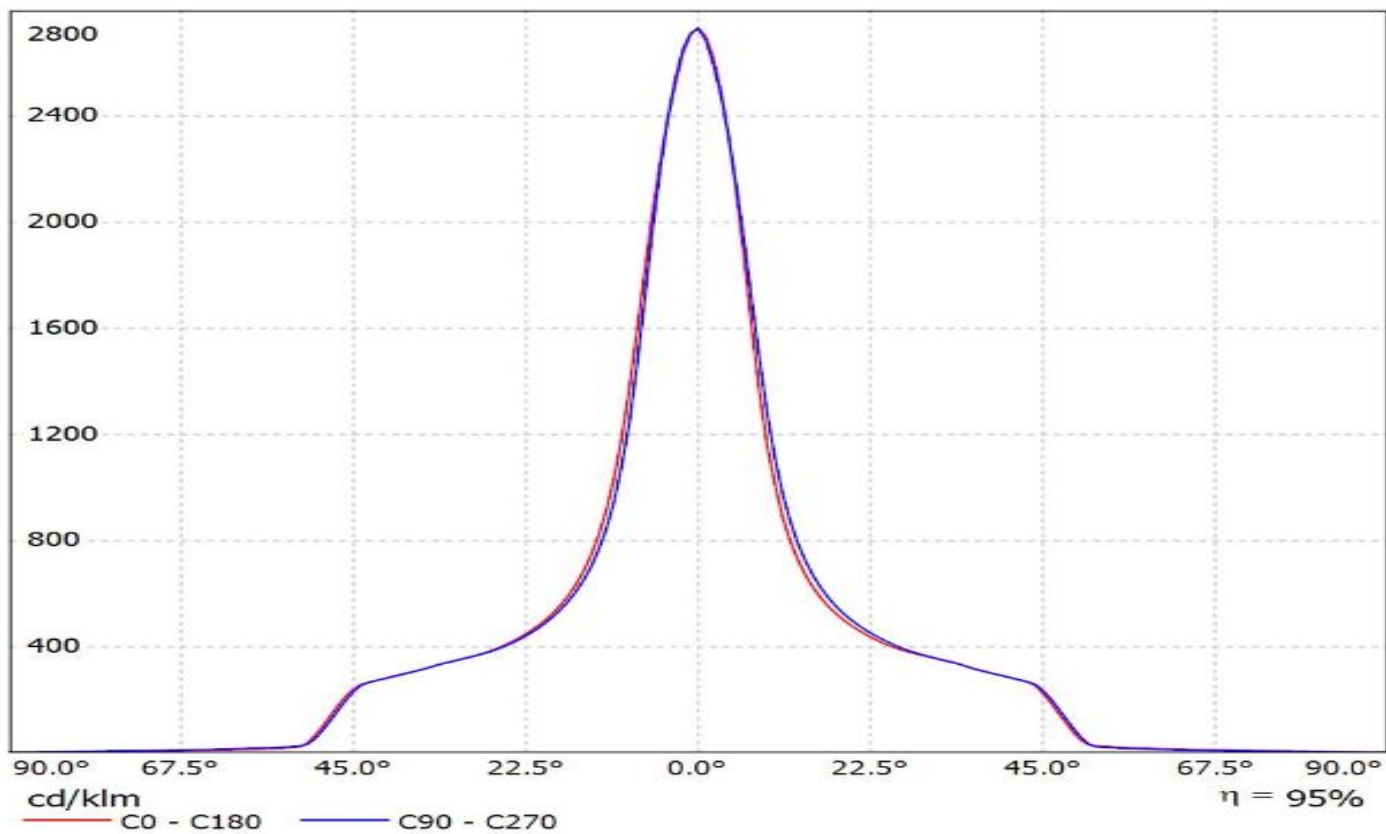


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSBxL121A) Eff.91.2%  
Lamps: 1 x NICHIA\_NSBxL121A\_(NSBLL121AE)\_805.561lm@250mA\_CCT=3000K\_P=7.3681W\_I=249.8mA

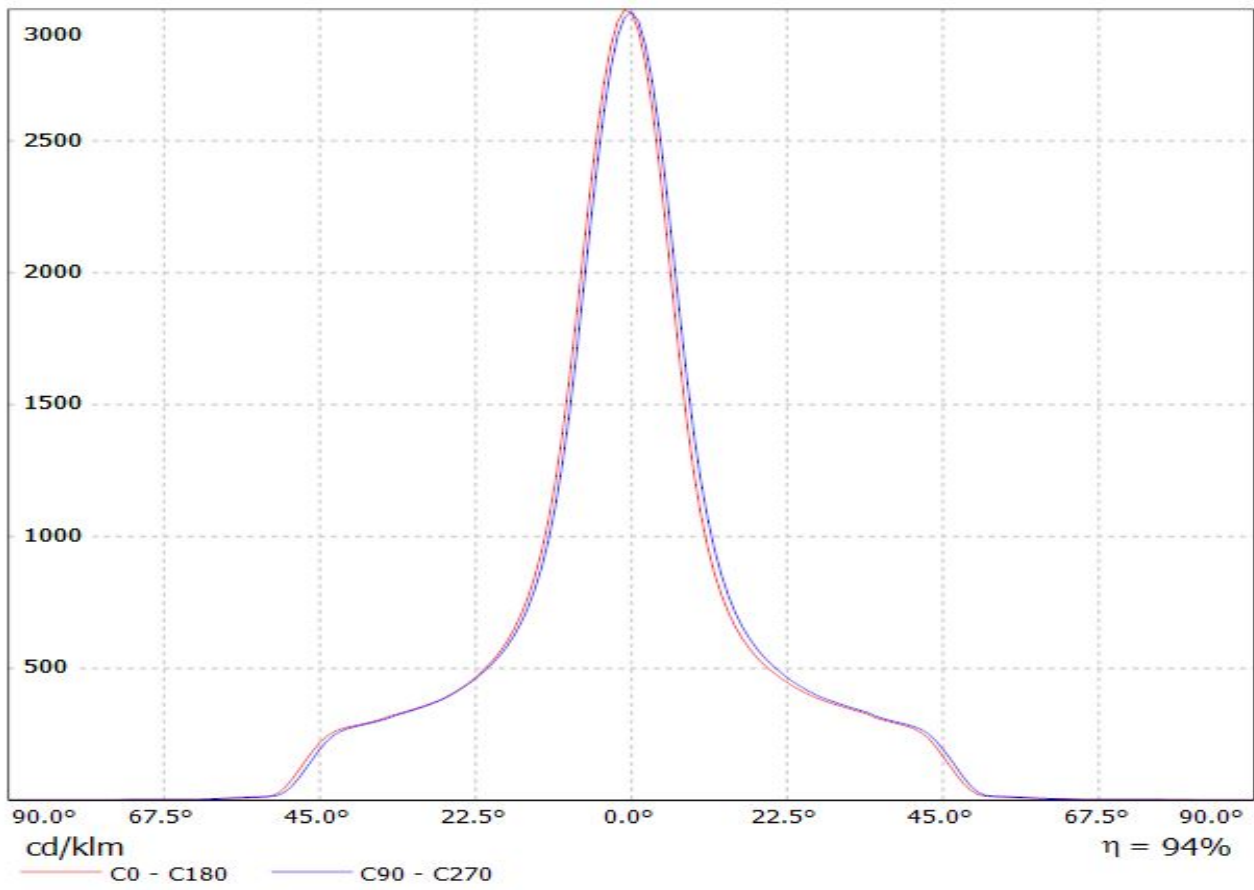


# Ledil F13325\_ANGELINA-S\_(CLU720) / LDC (Linear)

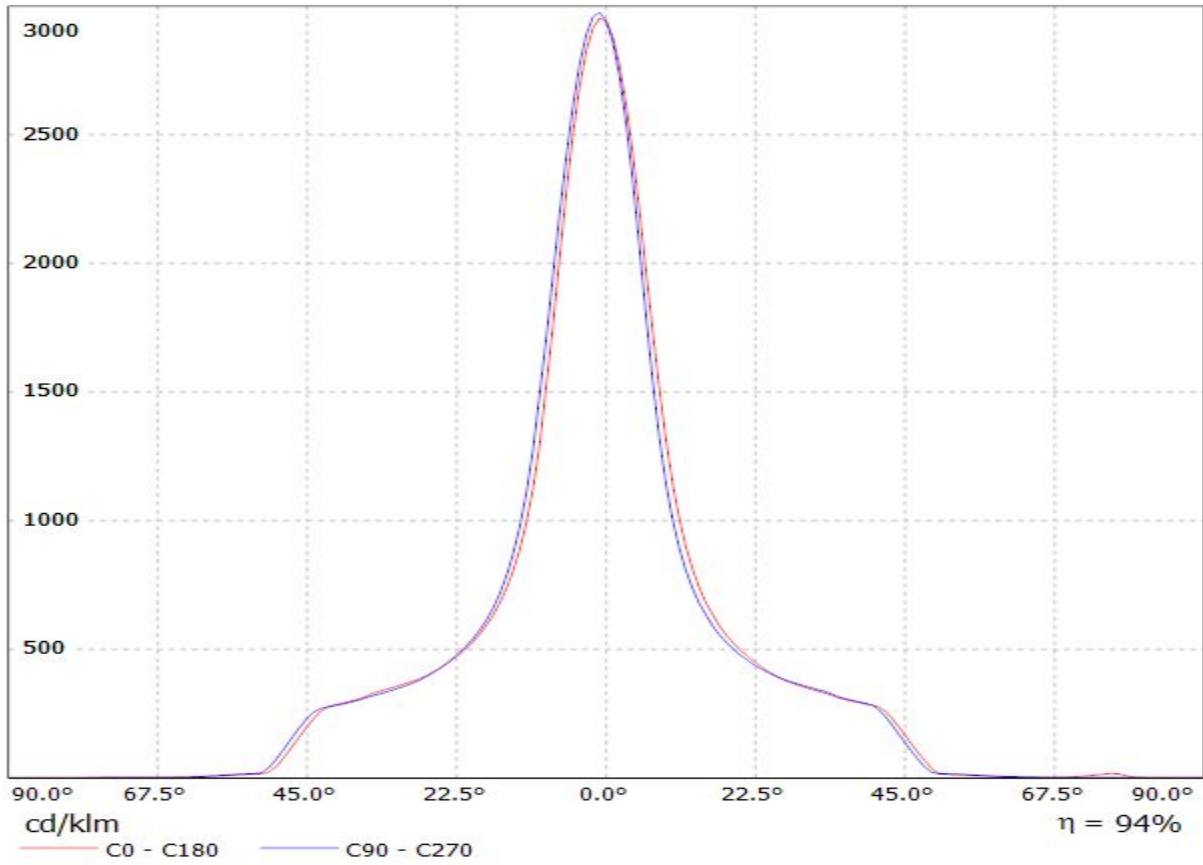
Luminaire: Ledil F13325\_ANGELINA-S\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1340.38lm@250mA\_CCT=2700K\_P=8.35W\_I=0.25A



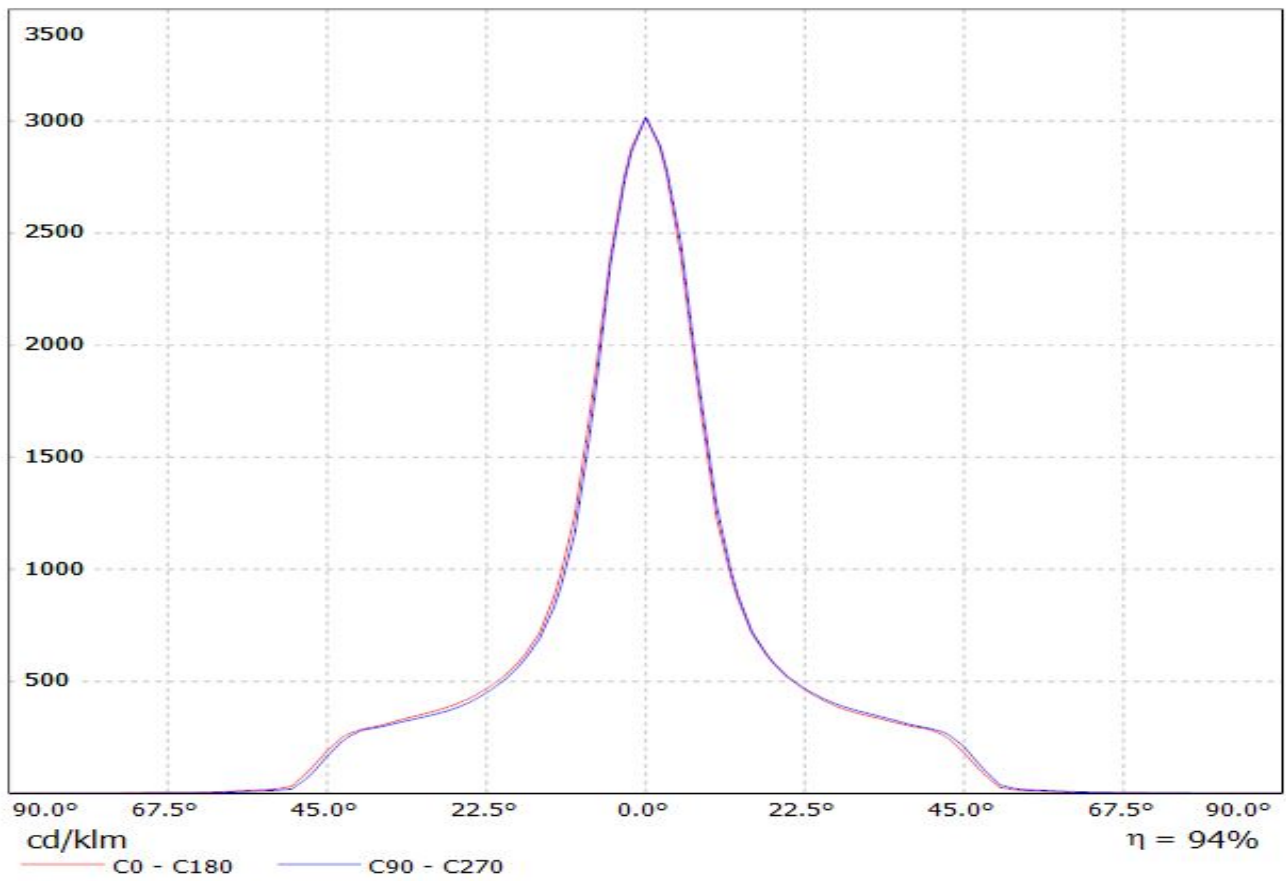
Luminaire: LEDiL Oy F13325\_ANGELINA-S (BXRA\_ES) Eff.93.8%  
Lamps: 1 x BXRA\_ES\_(BXRA-W1203\_102820-3110)\_281.549lm@250mA\_P=4.09397W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LUXEON\_COB\_1205) Eff.93.8%  
Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1084.49lm@250mA\_CCT=3000K\_P=8.31784W\_I=249.8mA



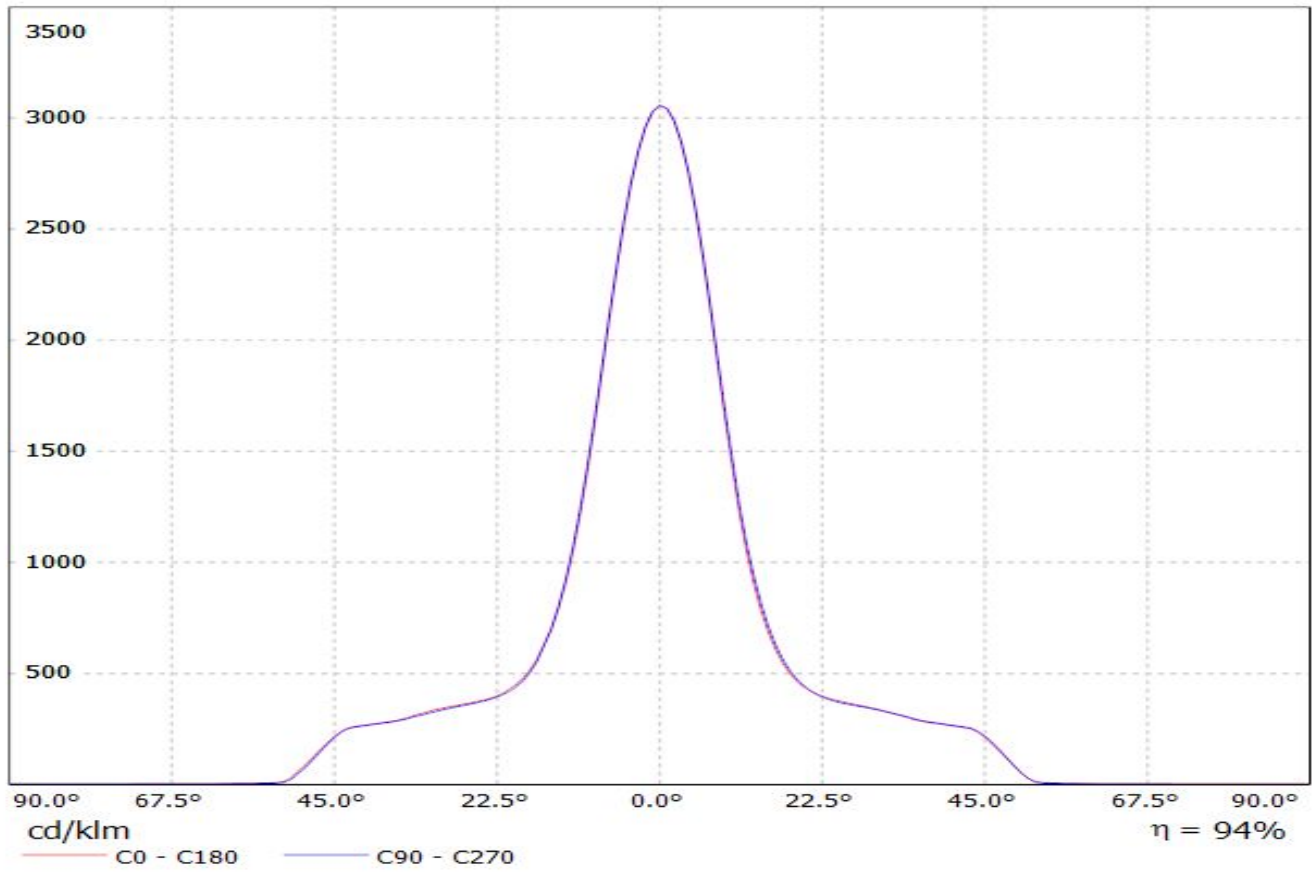
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LG\_COB-10W) Eff.93.9%  
Lamps: 1 x LG\_COB-10W\_1024lm@250mA\_CCT=5090K\_P=9W\_I=250mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L13 G4)  
Lamps: 1 x Fortimo LED SLM L13 G4\_1030.19lm@250mA\_P=8.38104W\_I=0.2498A

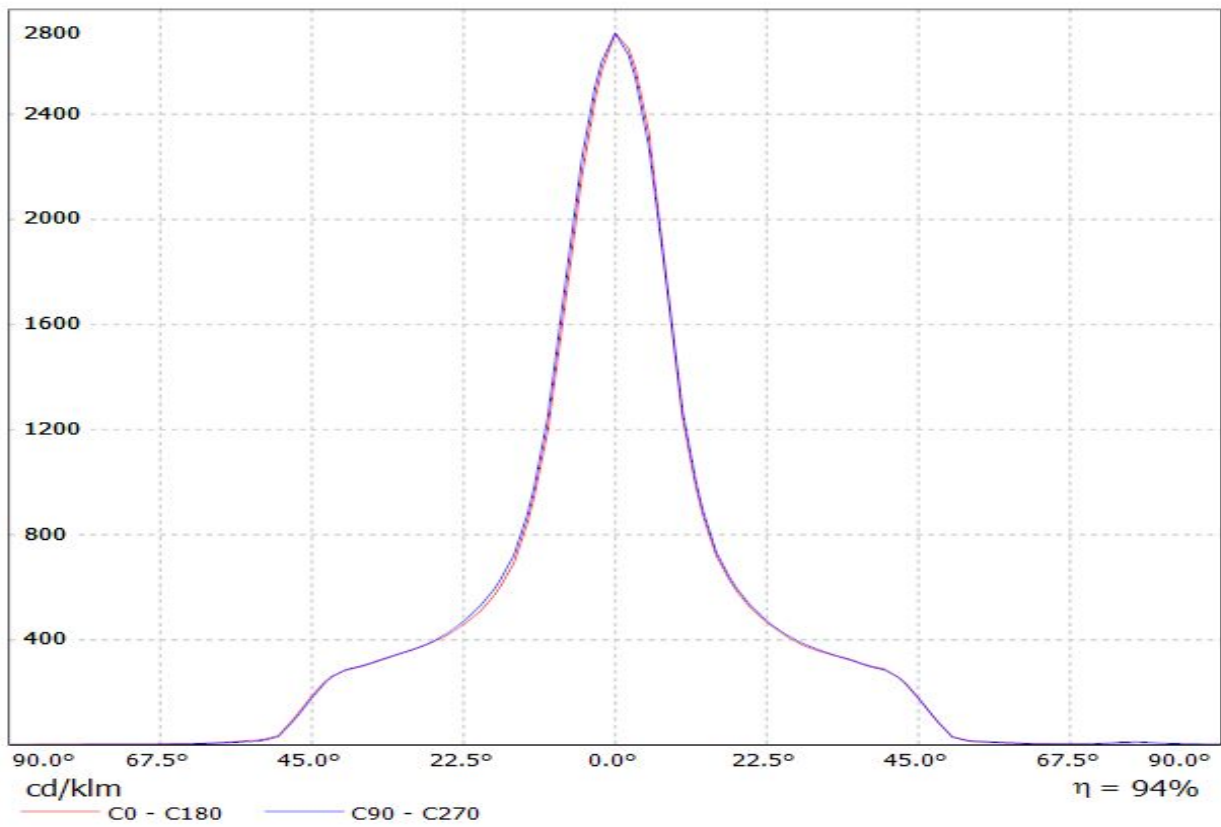


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LUXEON CoB 1205) Eff: 94 %  
Lamps: 1 x LUXEON CoB 1205 (LHC1-3080-1205) 1082lm@250mA CCT=3000K P=8.3W I=250mA



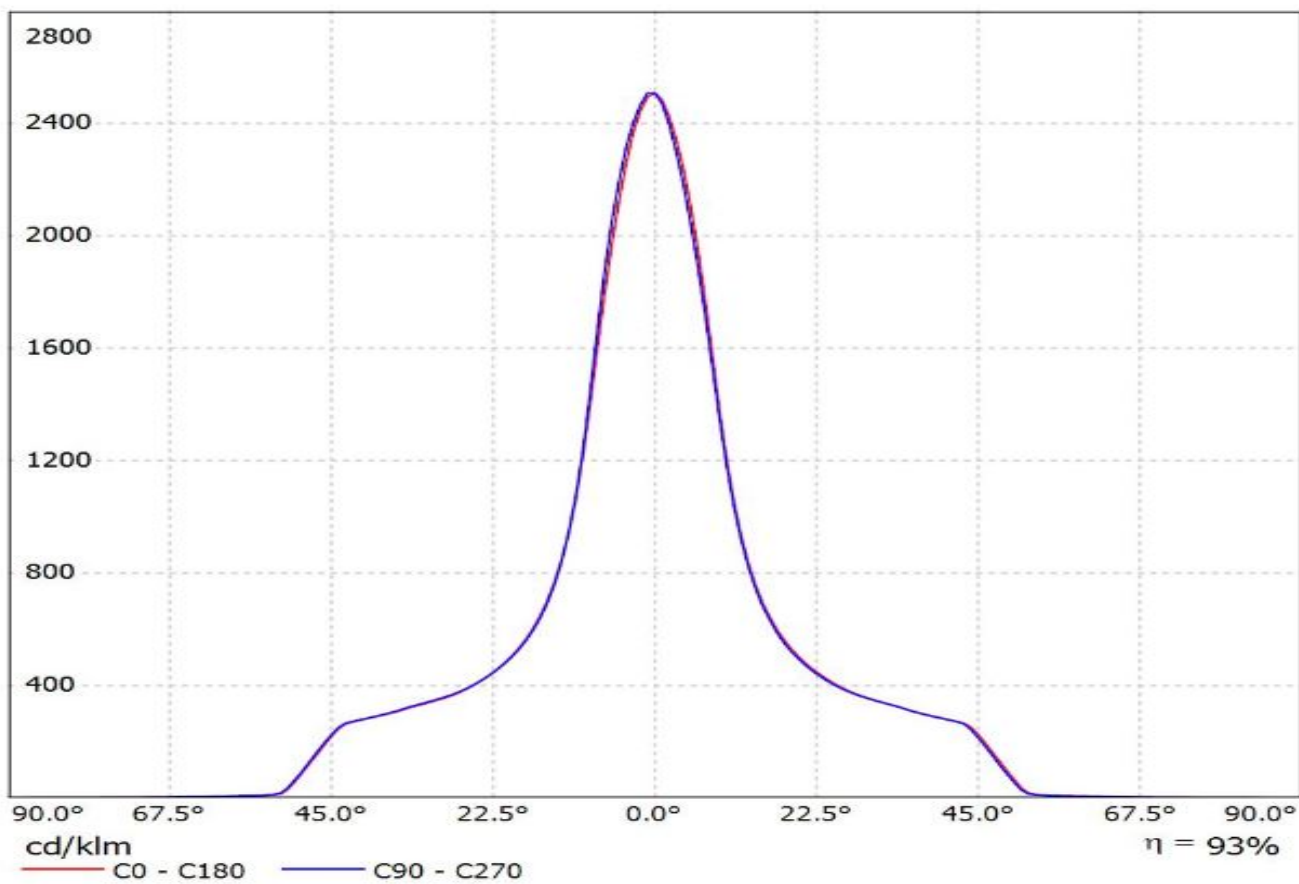
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CLL030) Eff.93.6%

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7)\_758.588lm@250mA\_CCT=5090K\_P=8.61086W\_I=249.8mA

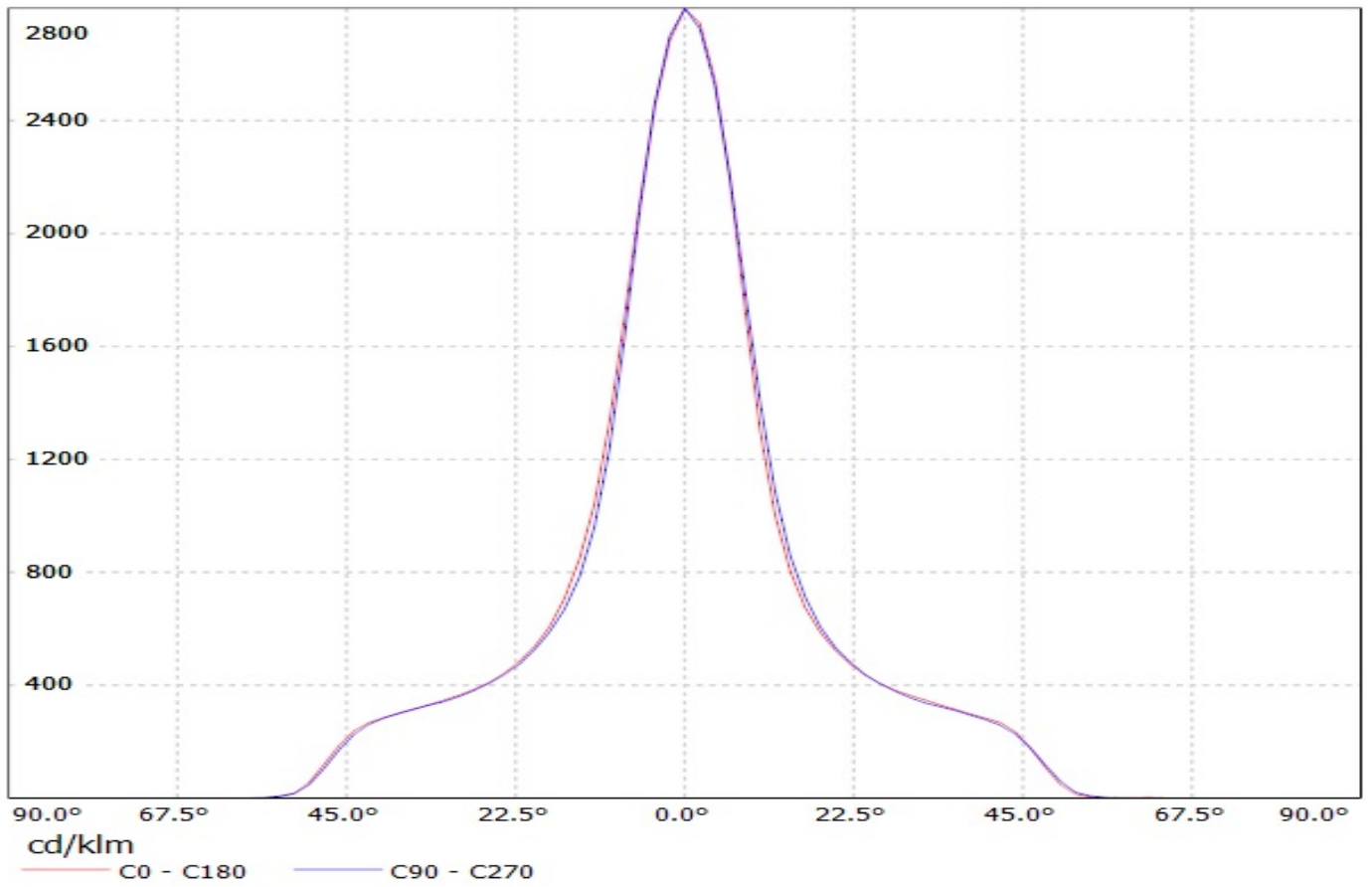


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SOLERIQ\_P13)

Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1038.25lm@250mA\_CCT=3000K\_P=8.77223W\_I=249.8mA

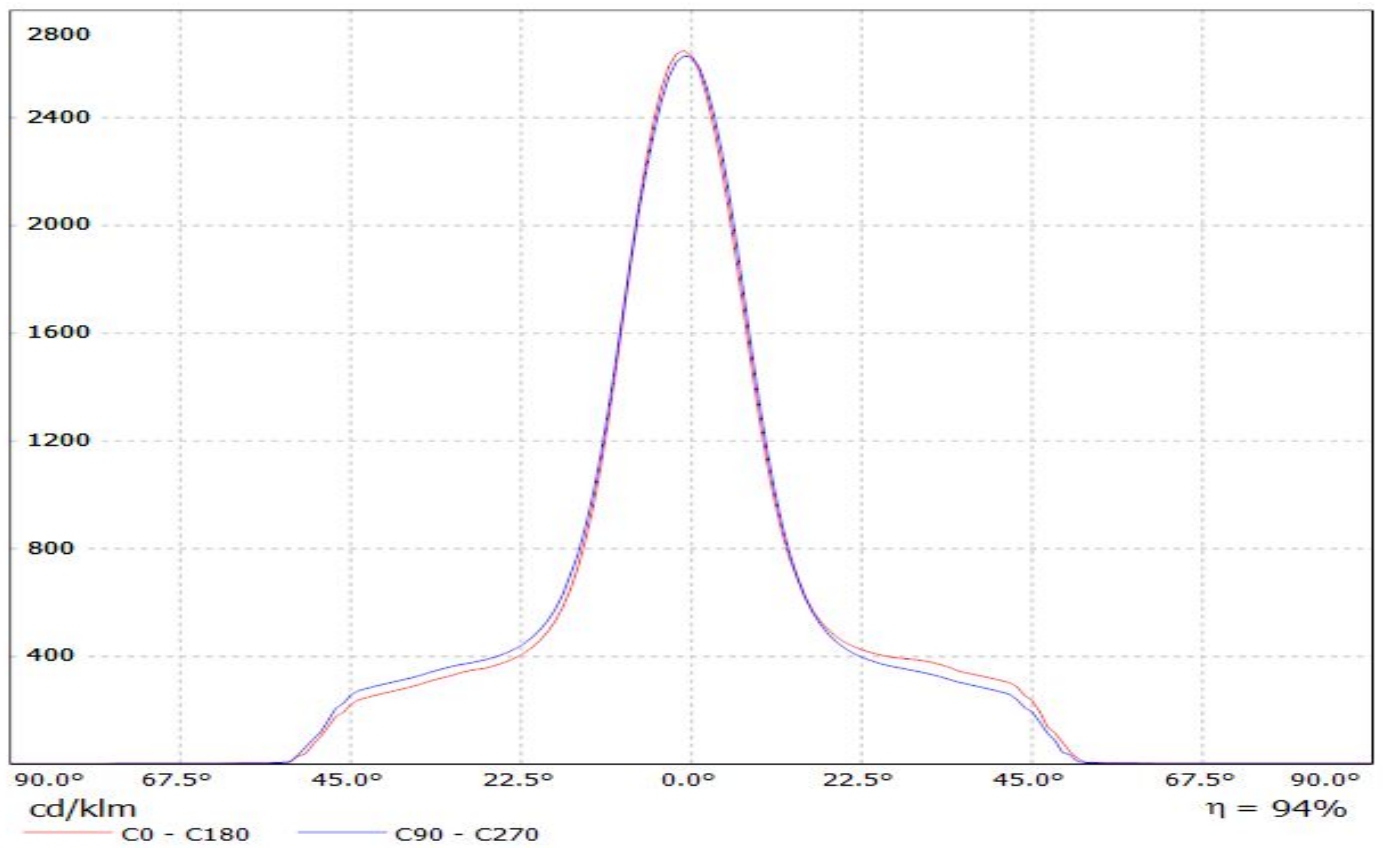


Luminaire: LEDil OY F13325\_ANGELINA-S\_(Soleriq\_S13) Efficiency=94%  
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA



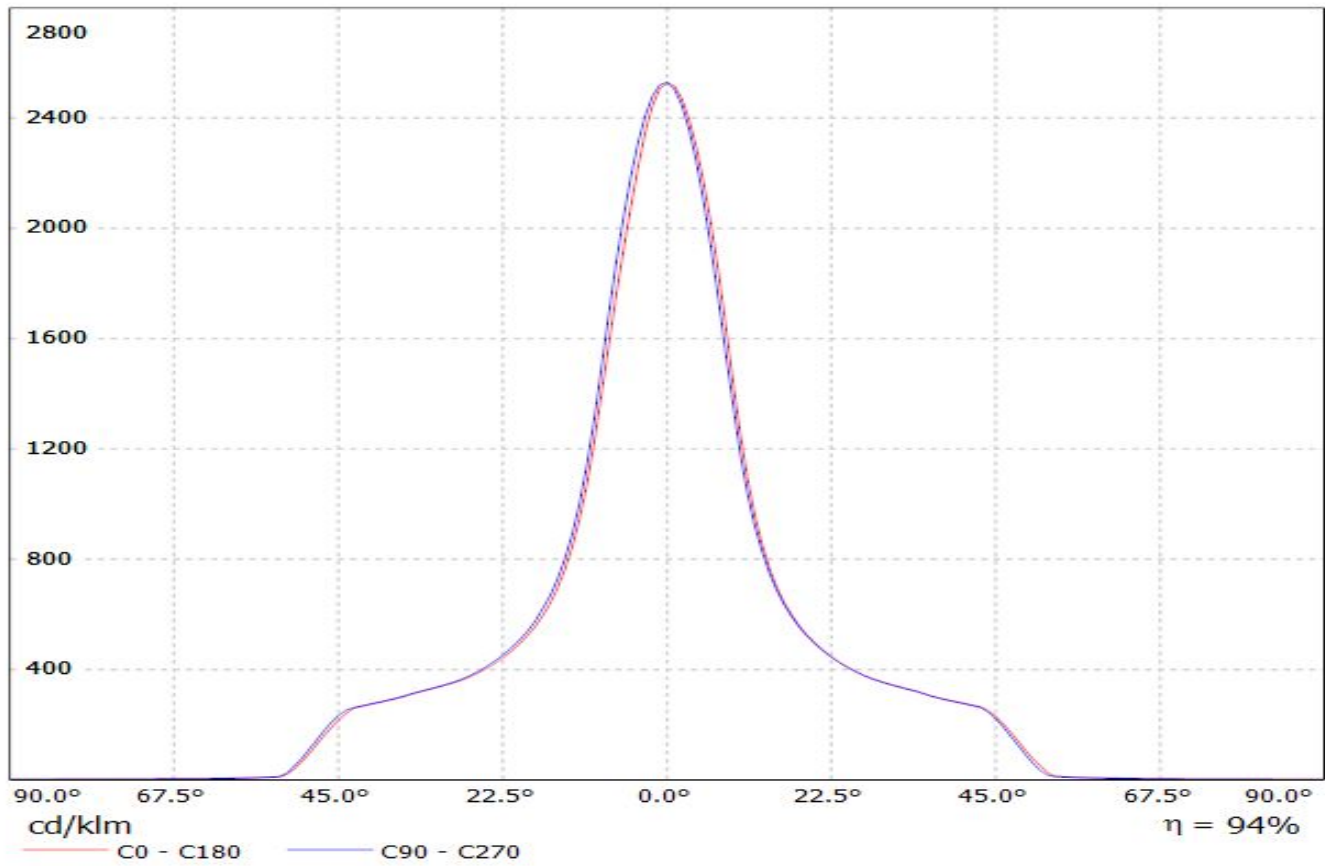
# LEDiL Oy C13325\_ANGELINA-S\_(LUXEON\_K12) Eff.94.3% / LDC (Linear)

Luminaire: LEDiL Oy C13325\_ANGELINA-S\_(LUXEON\_K12) Eff.94.3%  
Lamps: 1 x LUXEON\_K12 (929.543lm@250mA)

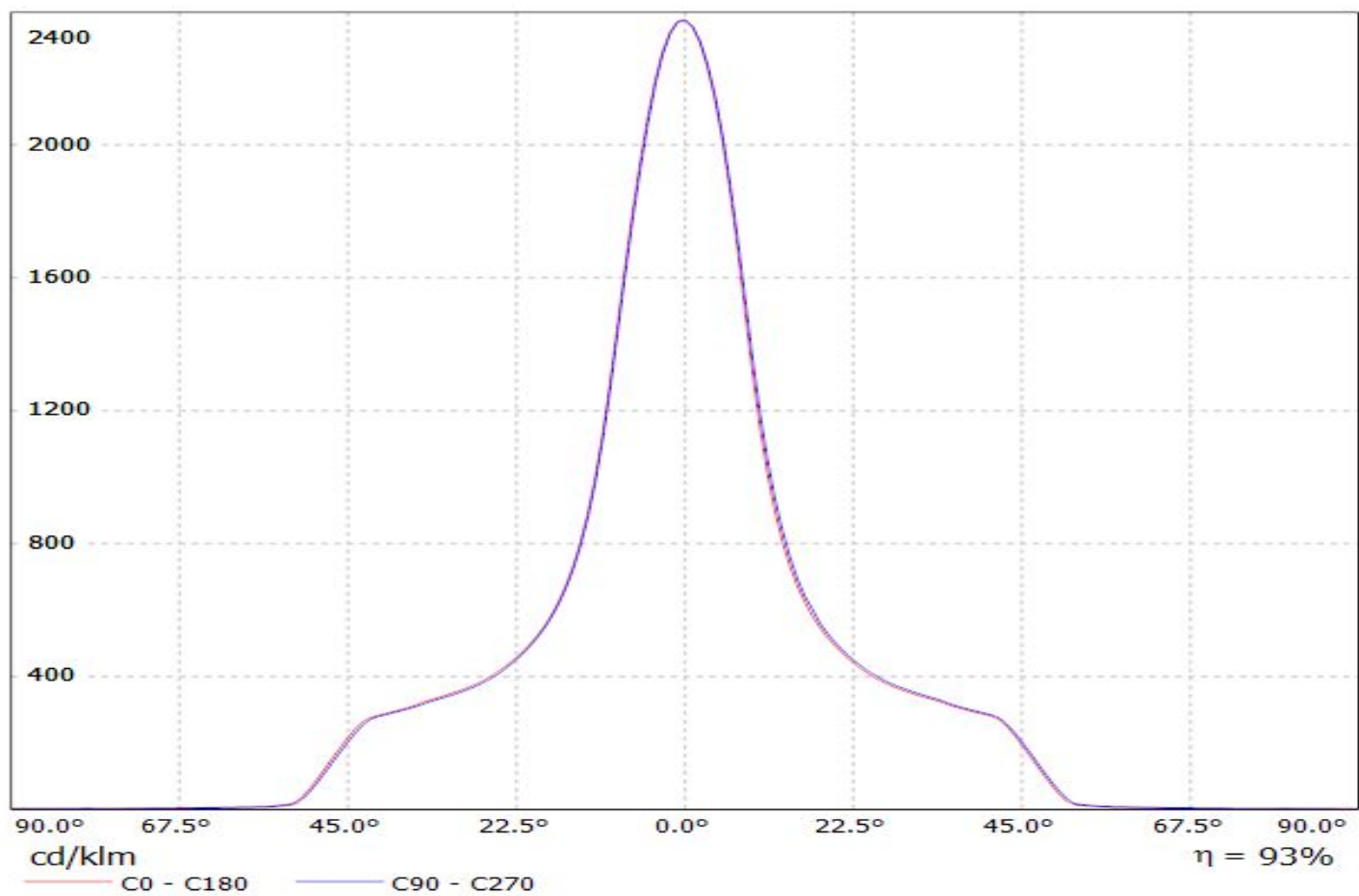


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXM-14)

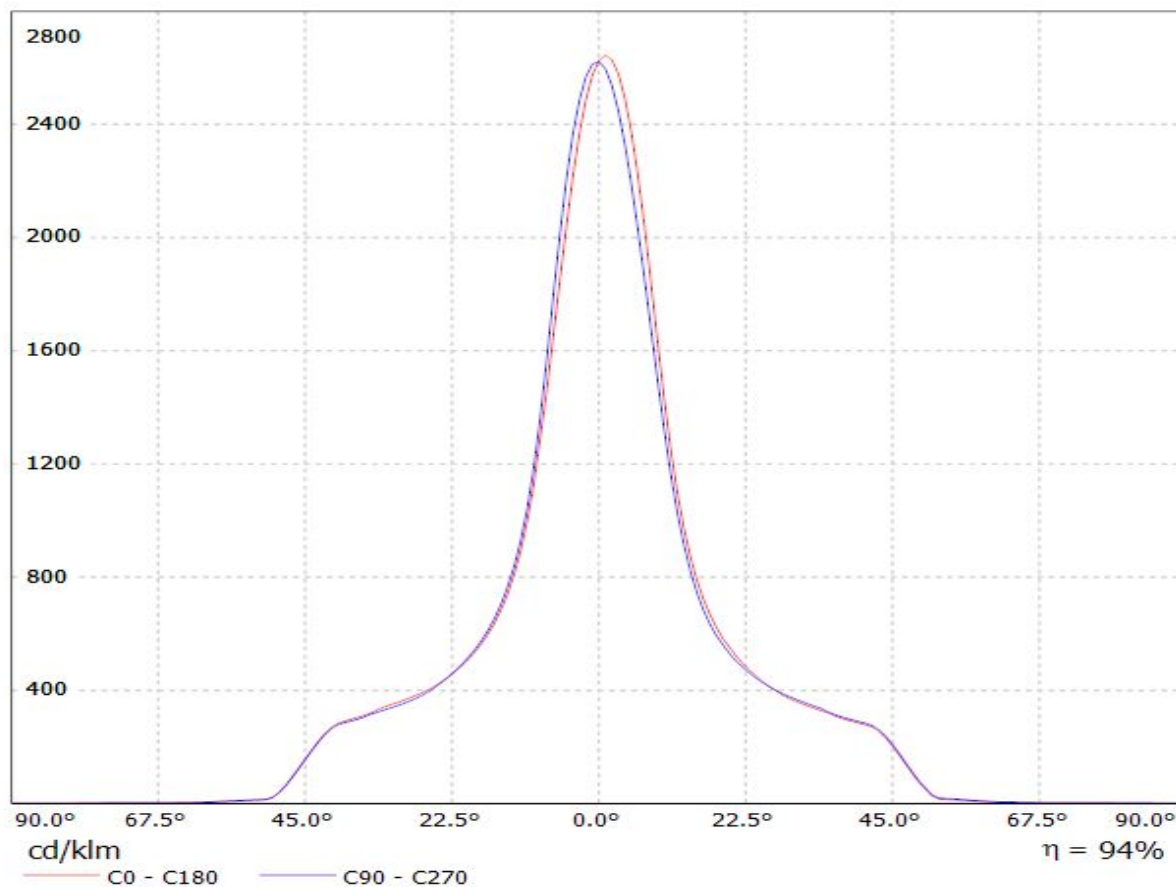
Lamps: 1 x LUMINUS\_CXM-14\_1114.36lm@250mA\_P=8.36106W\_I=249.8mA



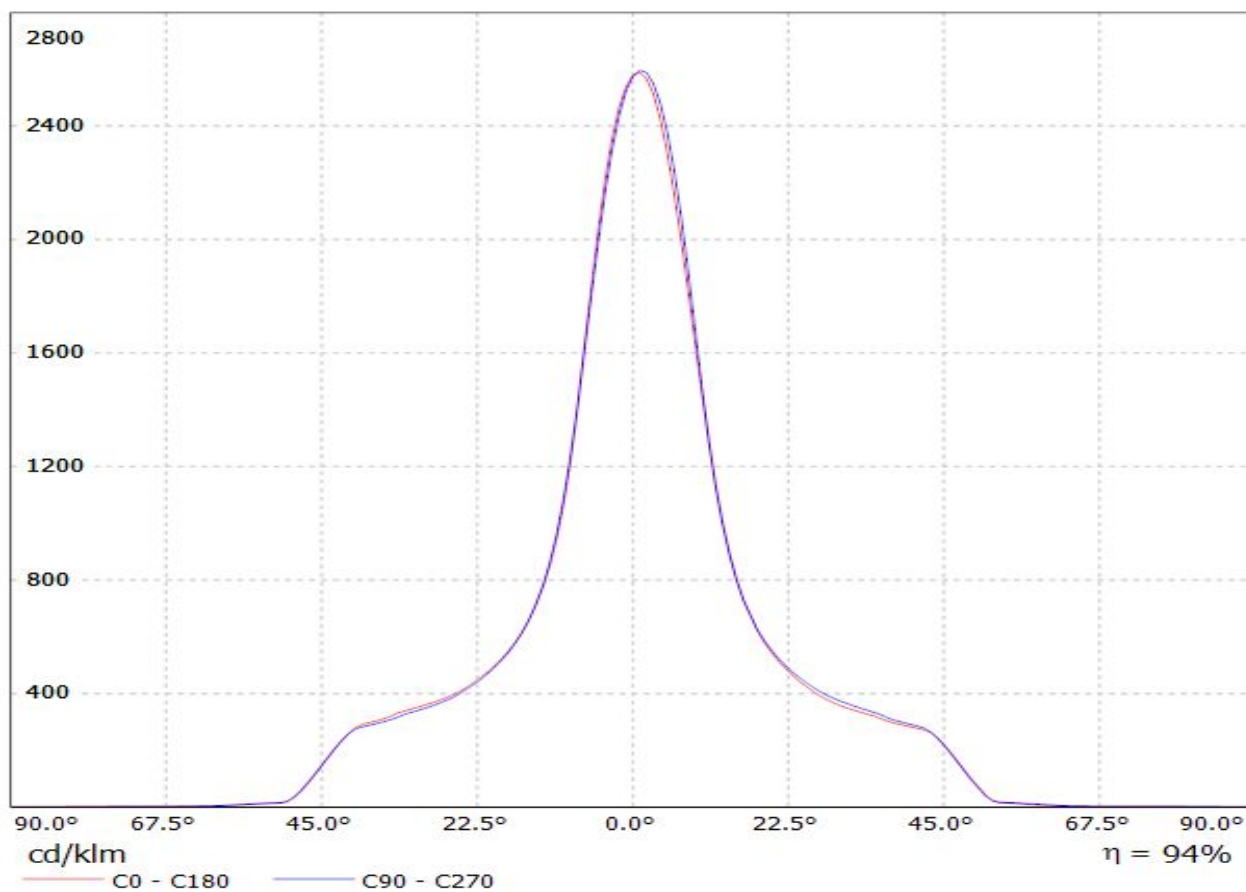
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L15 G4)  
Lamps: 1 x Fortimo LED SLM L15 G4\_1116.47lm@250mA\_P=8.21168W\_I=0.2498A



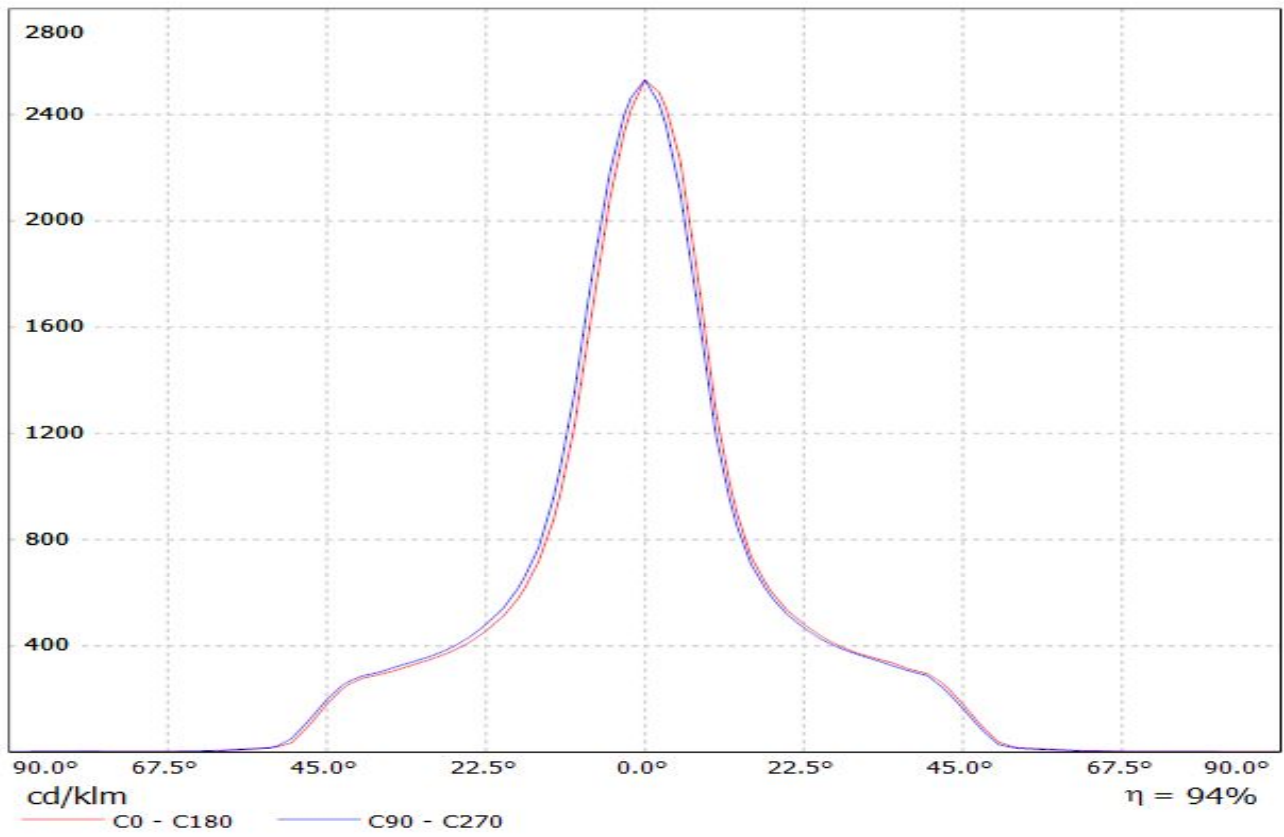
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(MEGAZENIGATA) Eff.93.7%  
Lamps: 1 x SHARP\_MEGAZENIGATA\_(GW6DME30NFC)\_1238.26lm@250mA\_CCT=3000K\_P=11.1211W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S (LUXEON\_COB\_1208) Eff.93.8%  
Lamps: 1 x LUXEON\_COB\_1208\_(LHC1-3080-1208)\_1015.13lm@250mA\_CCT=3000K\_P=8.15972W\_I=249.8mA

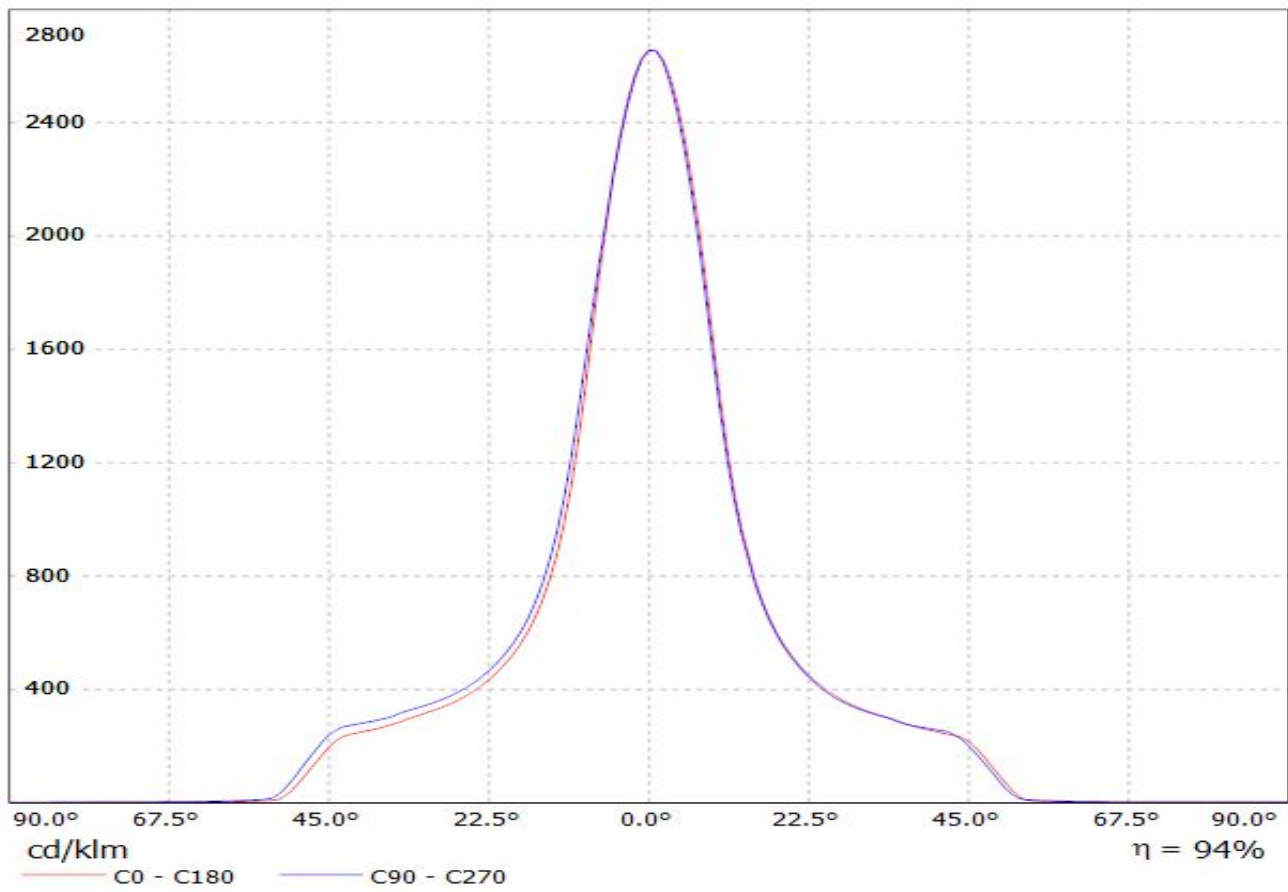


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSCxJ216A) Eff.94.0%  
Lamps: 1 x NICHIA\_NSCxJ216A\_(NSCLJ216AE)\_971.7lm@250mA\_CCT=3000K\_P=7.96937W\_I=249.8mA



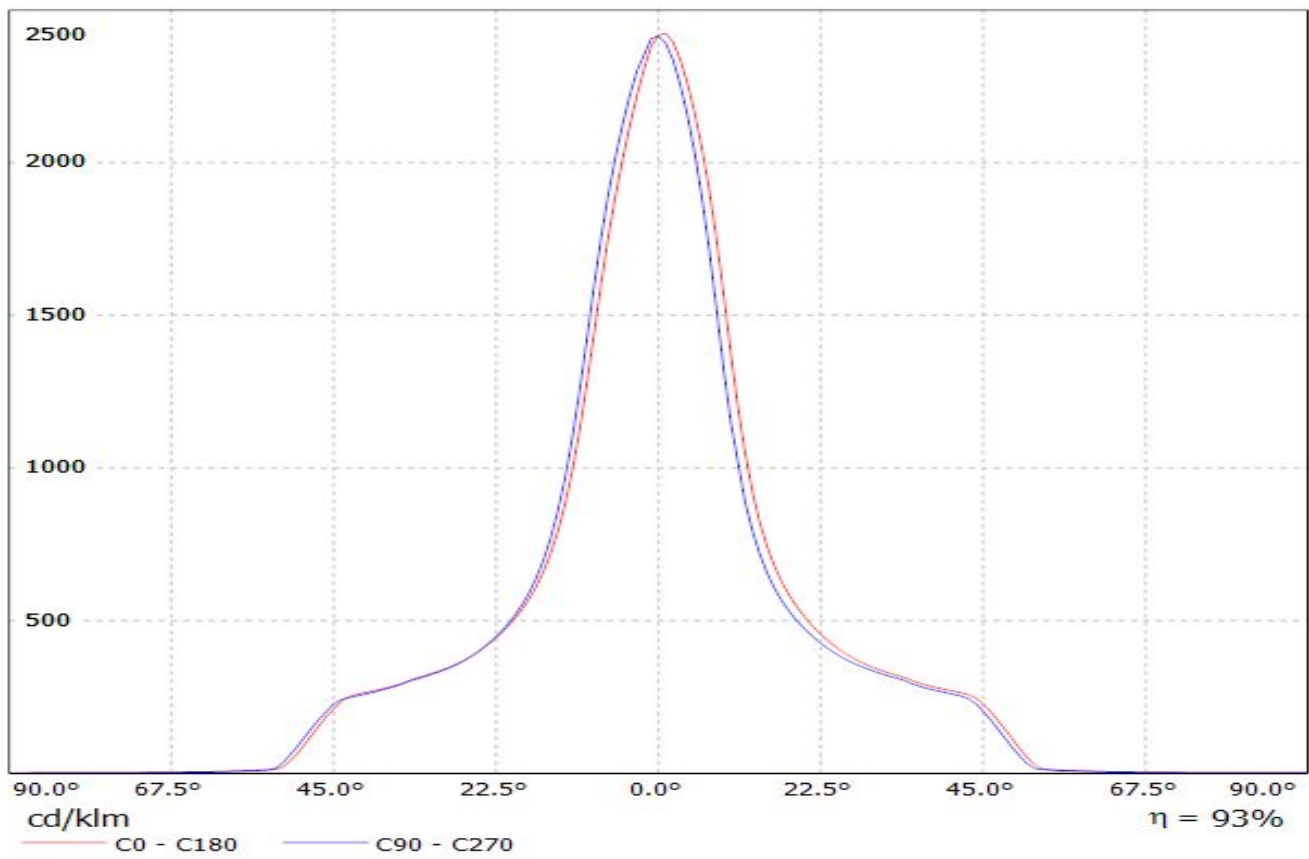
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-461-827)

Lamps: 1 x Vossloh\_WU-M-461-827\_771.829lm@250mA\_P=6.26998W\_I=249.8mA

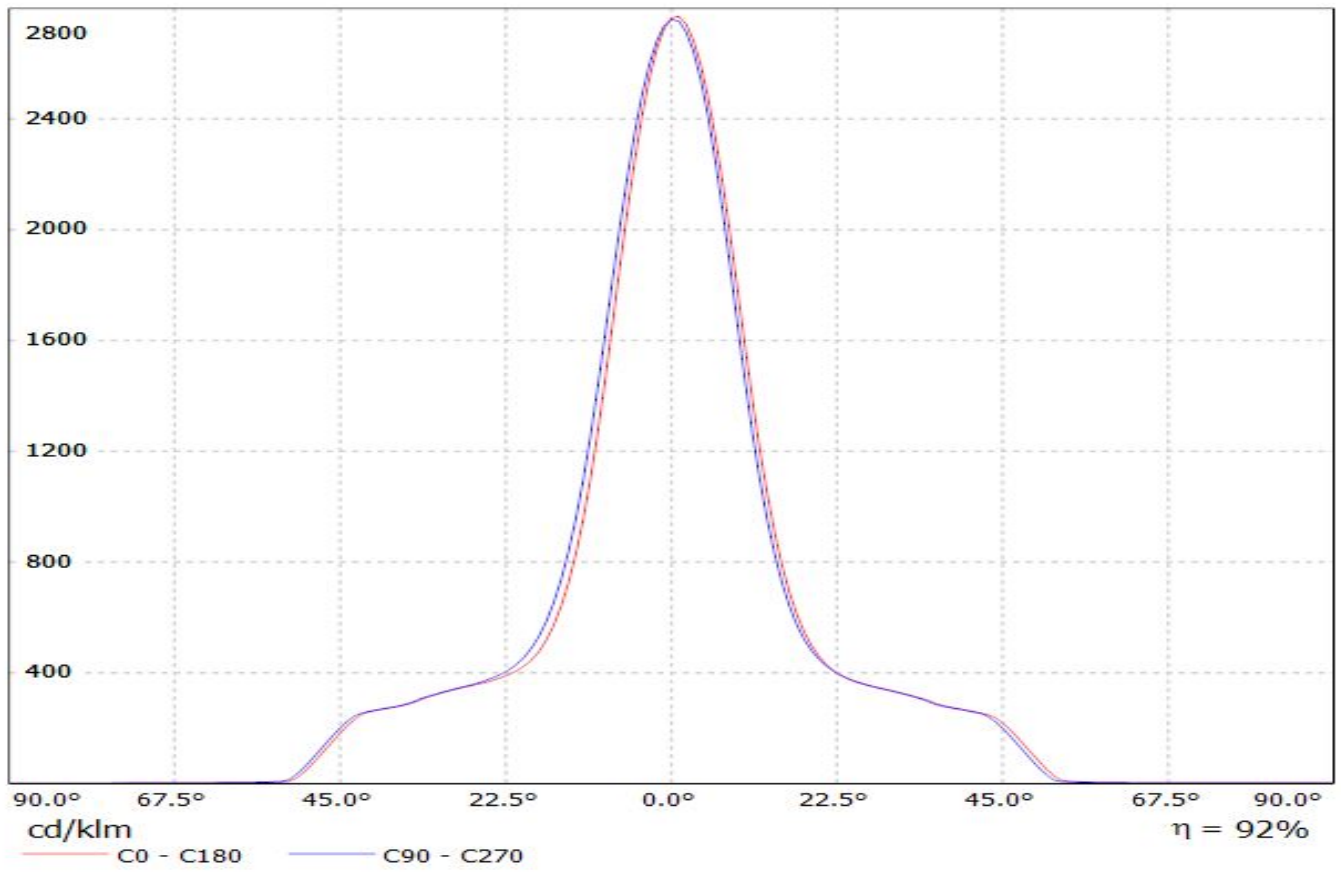


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-484)

Lamps: 1 x Vossloh\_Schwabe-WU-M-484\_(WU-M-484-830)\_657.721lm@250mA\_P=5.59451W\_I=249.9mA

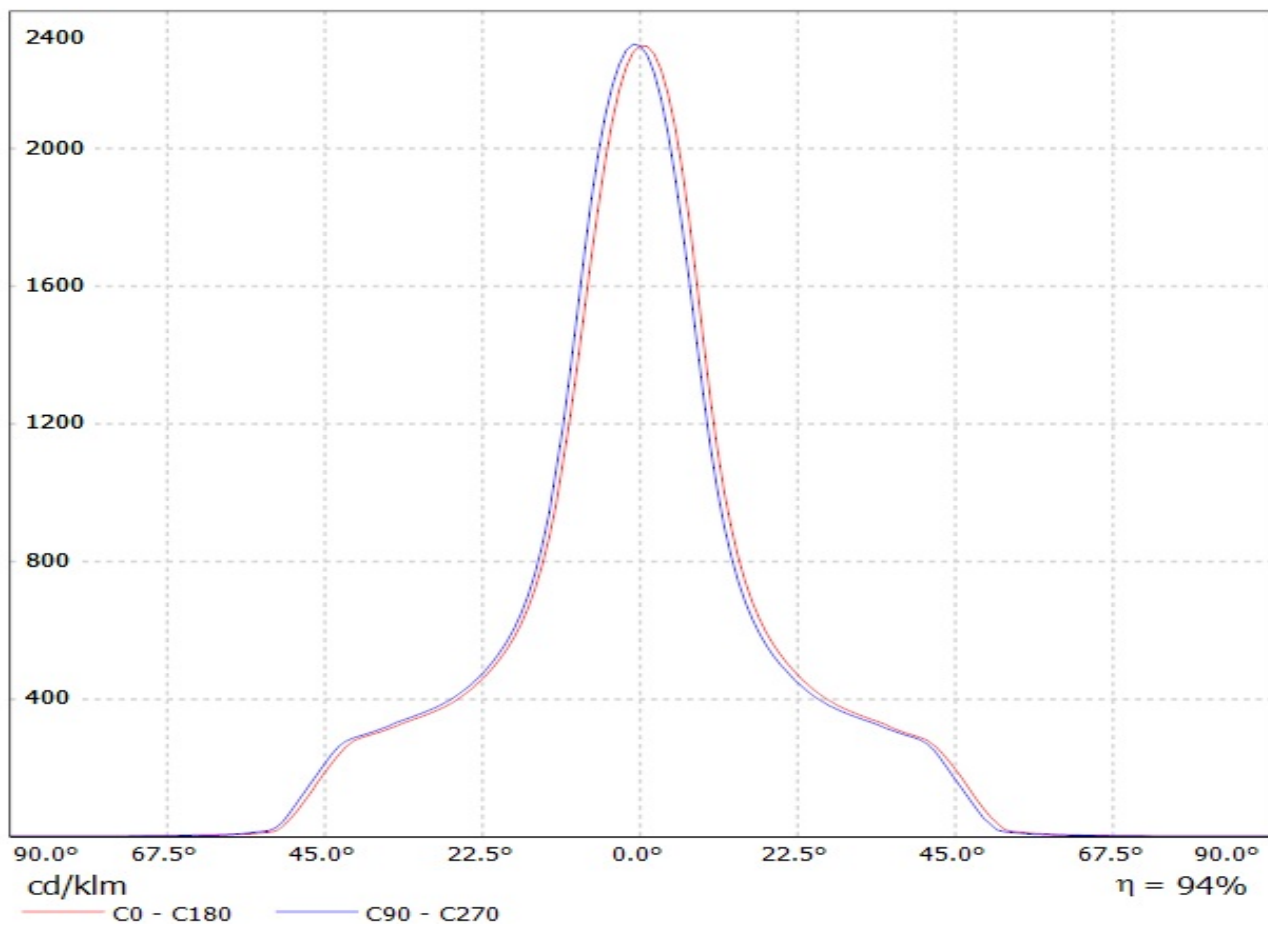


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(MegaZenigata) Eff.92.3%  
Lamps: 1 x MegaZenigata\_GW6DME (518.495lm@100mA)

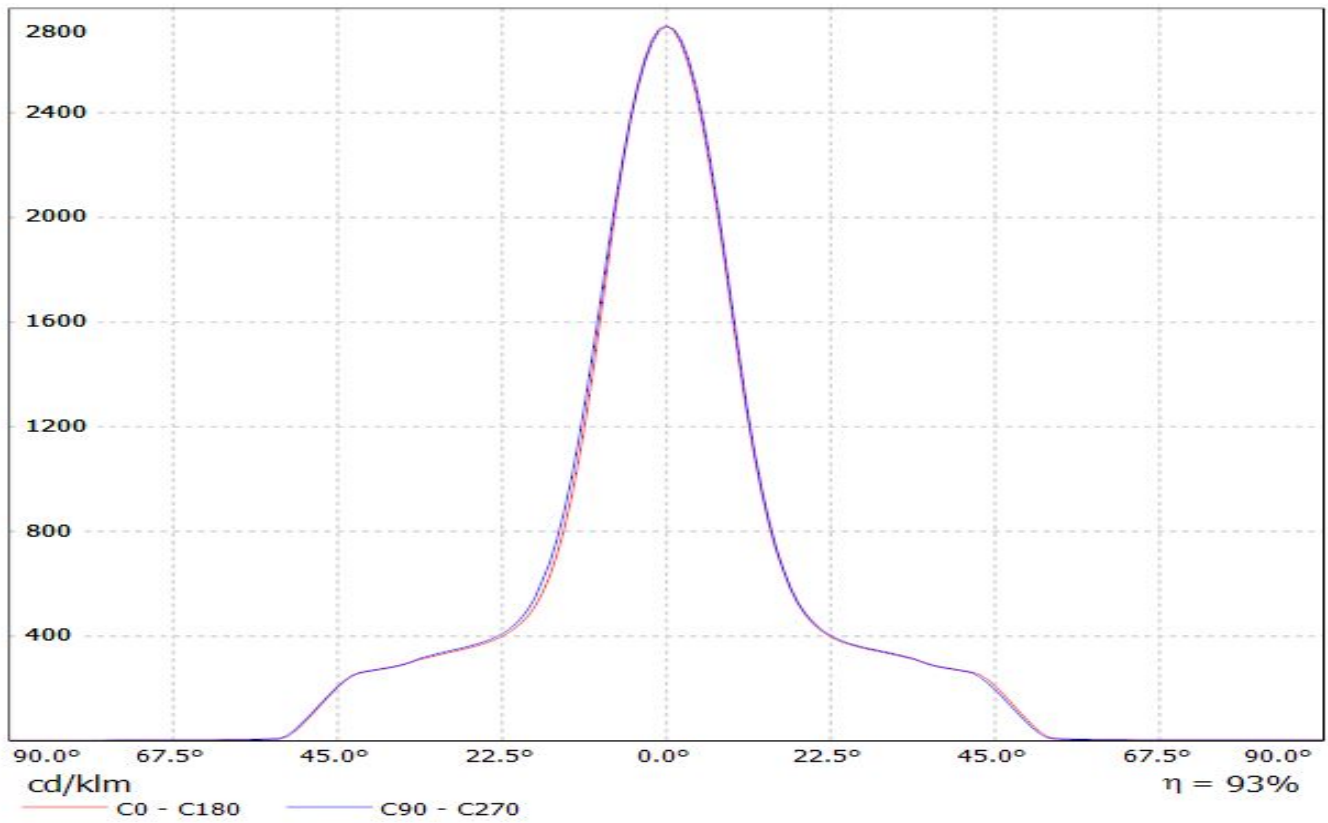


Luminaire: LEDiL Oy F13325\_ANGELINA-S (PrevaLED\_Z4) Eff:94%

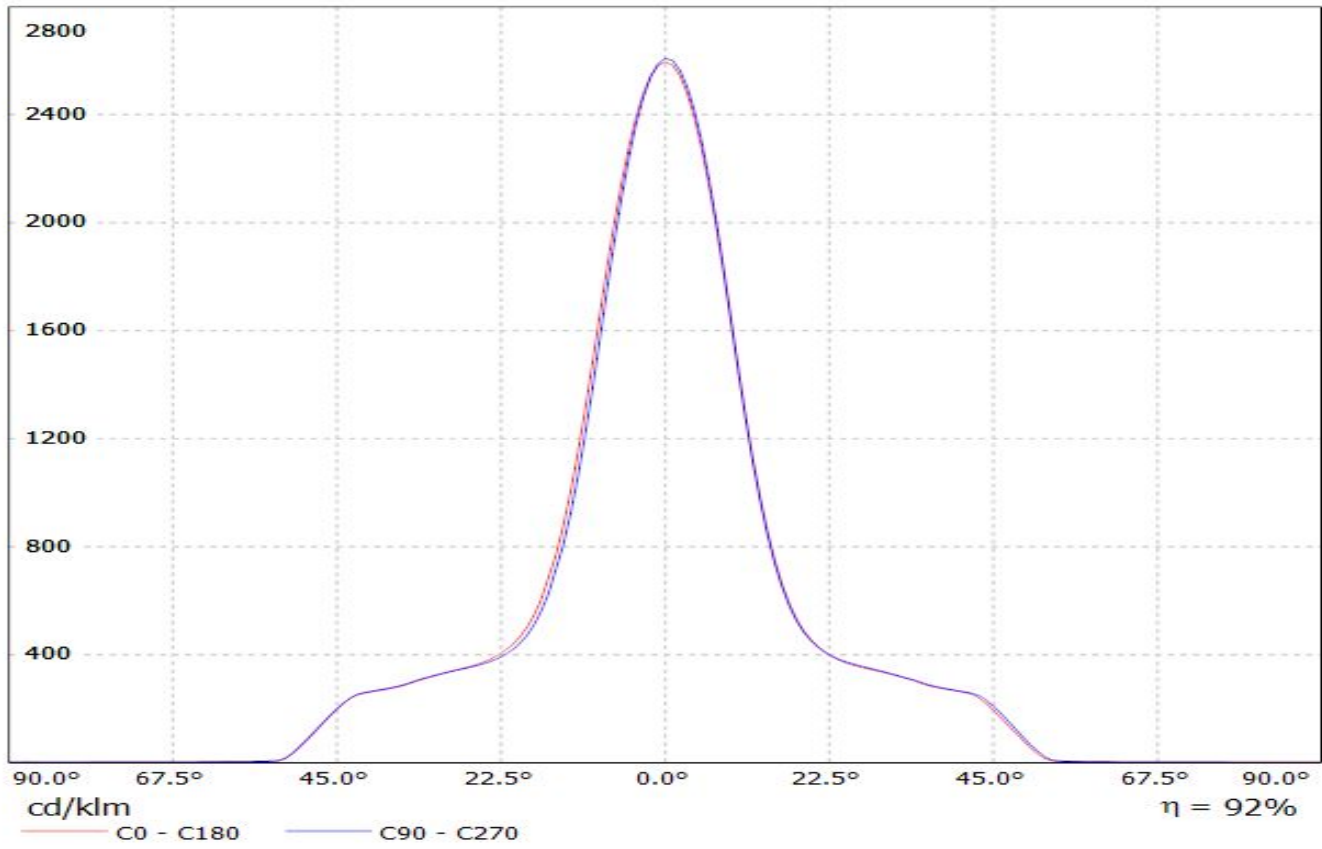
Lamps: 1 x Osram\_PrevaLED\_CORE\_Z4 (PL-CORE-3000-830-Z4)\_1423.93lm@250mA\_P=10.7652W\_I=249.9mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Luxeon-Cob-1208) Eff: 93 %  
Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1029lm@250mA CCT=3000K P=8.2W I=250mA

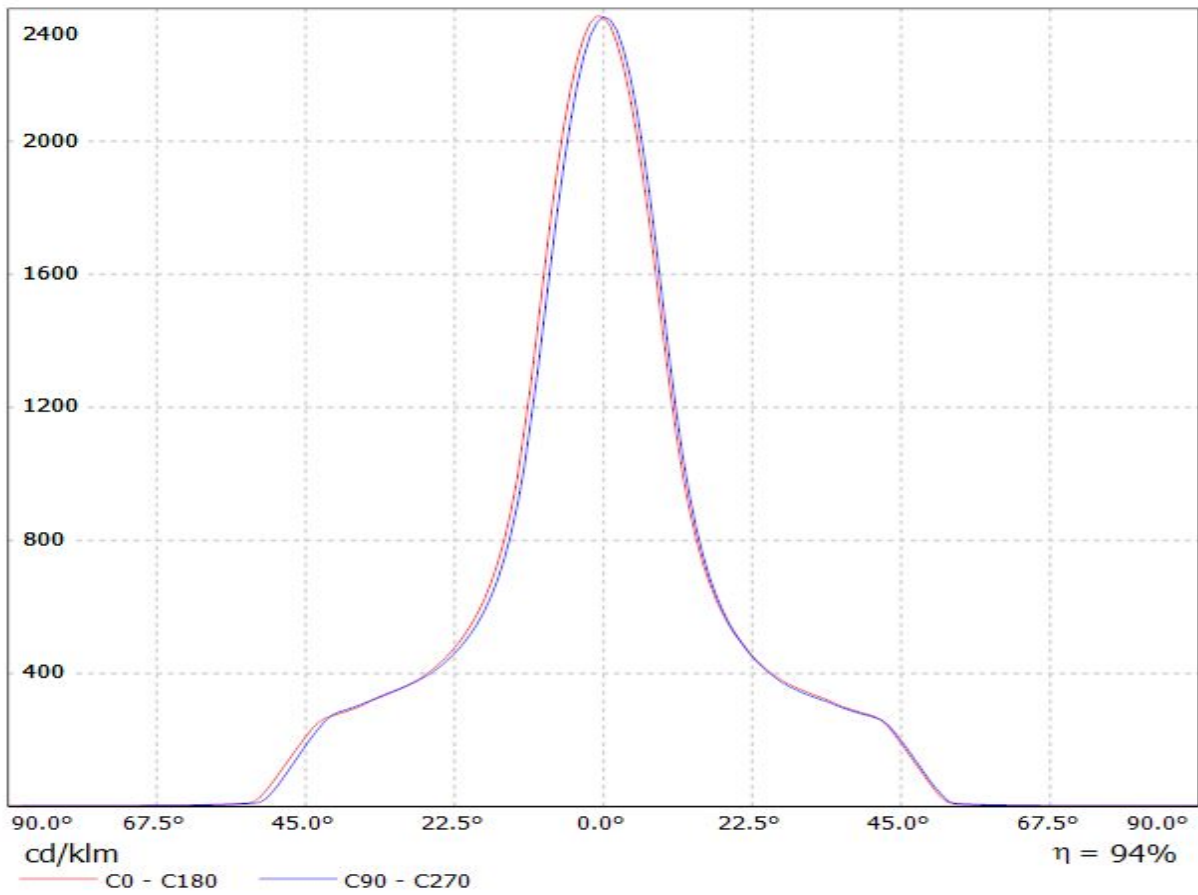


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES19) Eff.92.2%  
Lamps: 1 x TRIDONIC STARK SLE G2 LES19 830 CLA 964.643lm@250mA CCT=3000K P=8W I=250mA

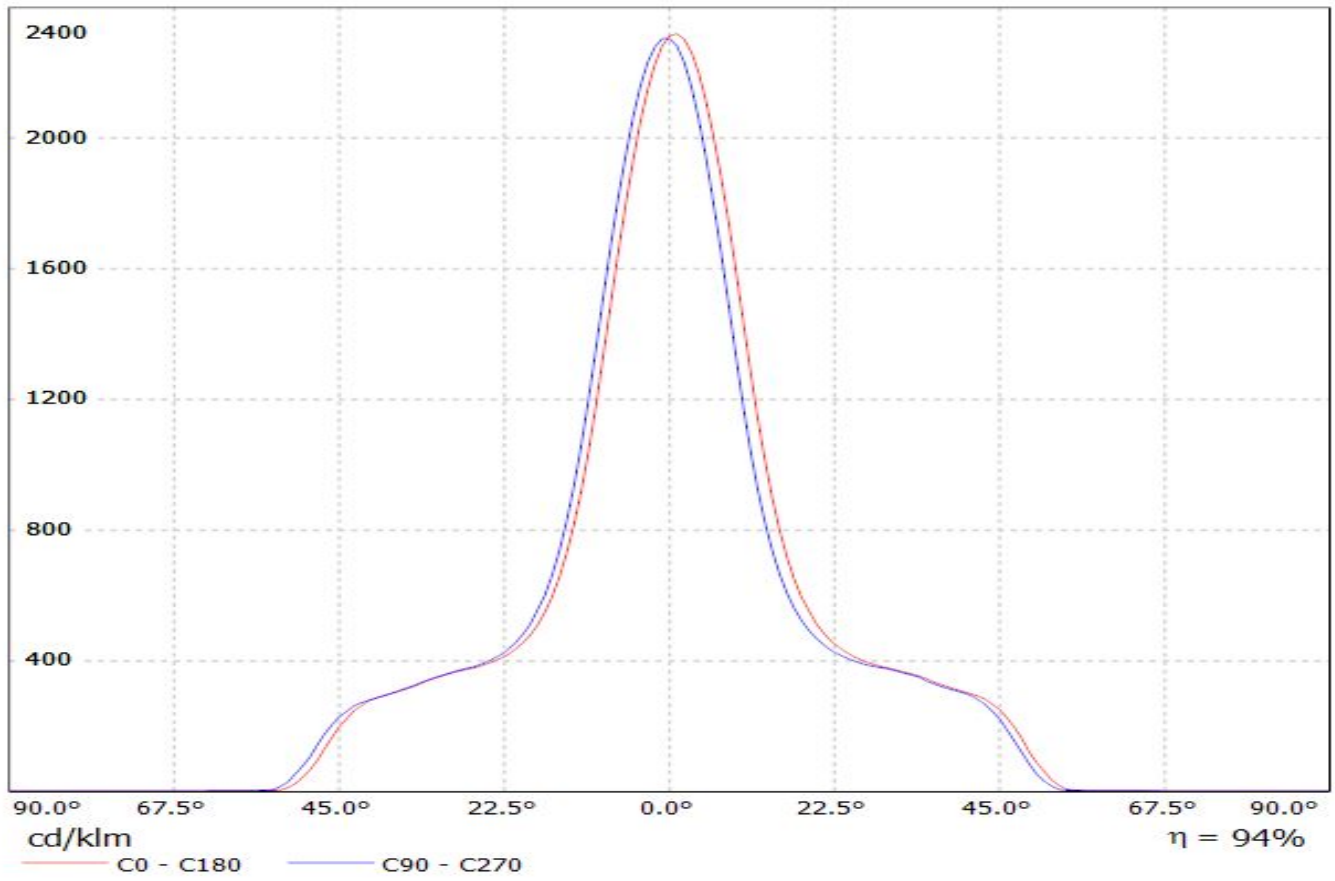


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SOLERIQ\_S19\_&\_TE\_2213407-2)

Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)\_1385.15lm@250mA\_CCT=3000K\_P=10.5613W\_I=249.8mA

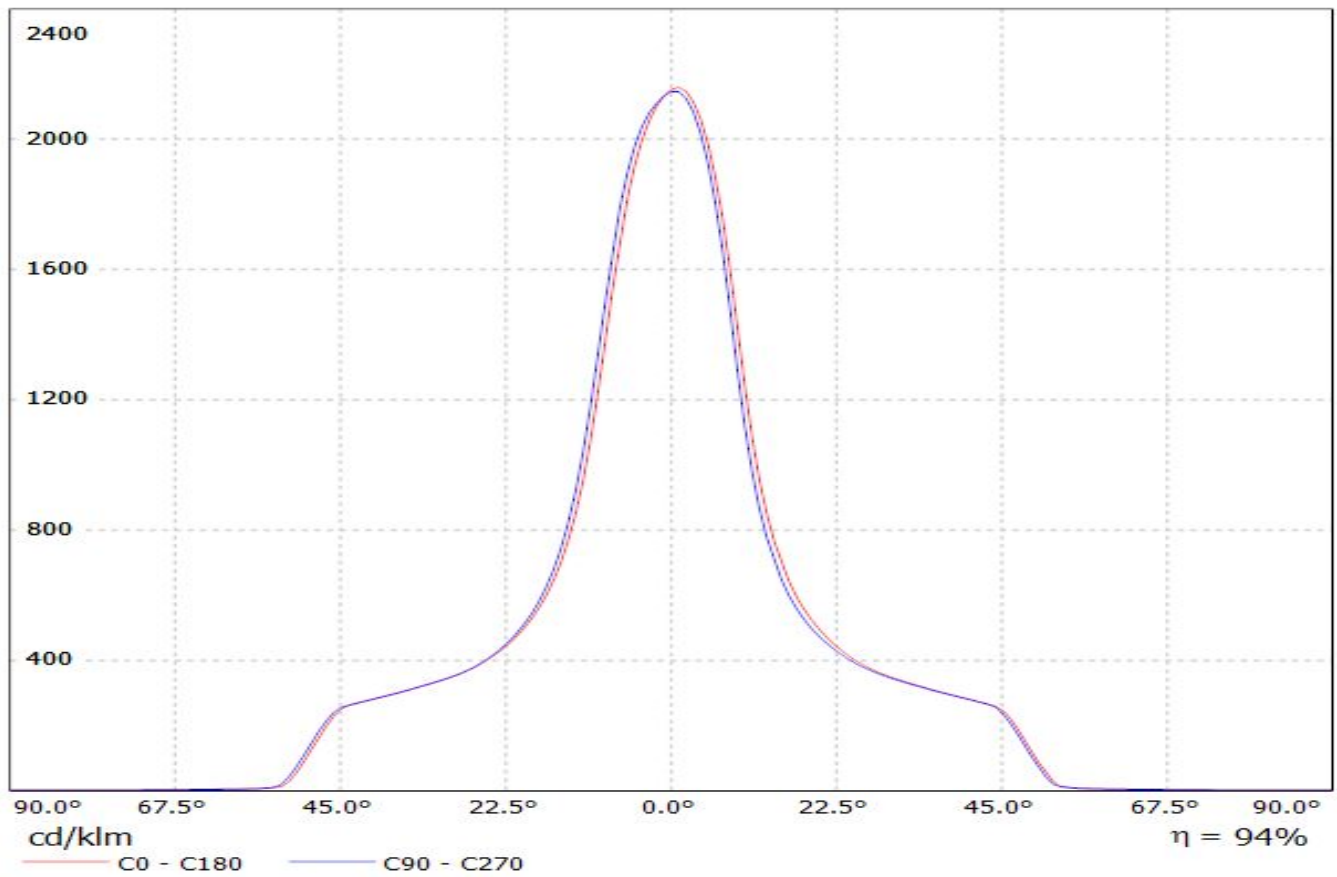


Luminaire: LEDiL Oy C13325\_ANGELINA-S\_(Luxeon\_K16) Eff.94.2%  
Lamps: 1 x LUXEON\_K16 (1204.33lm@250mA)

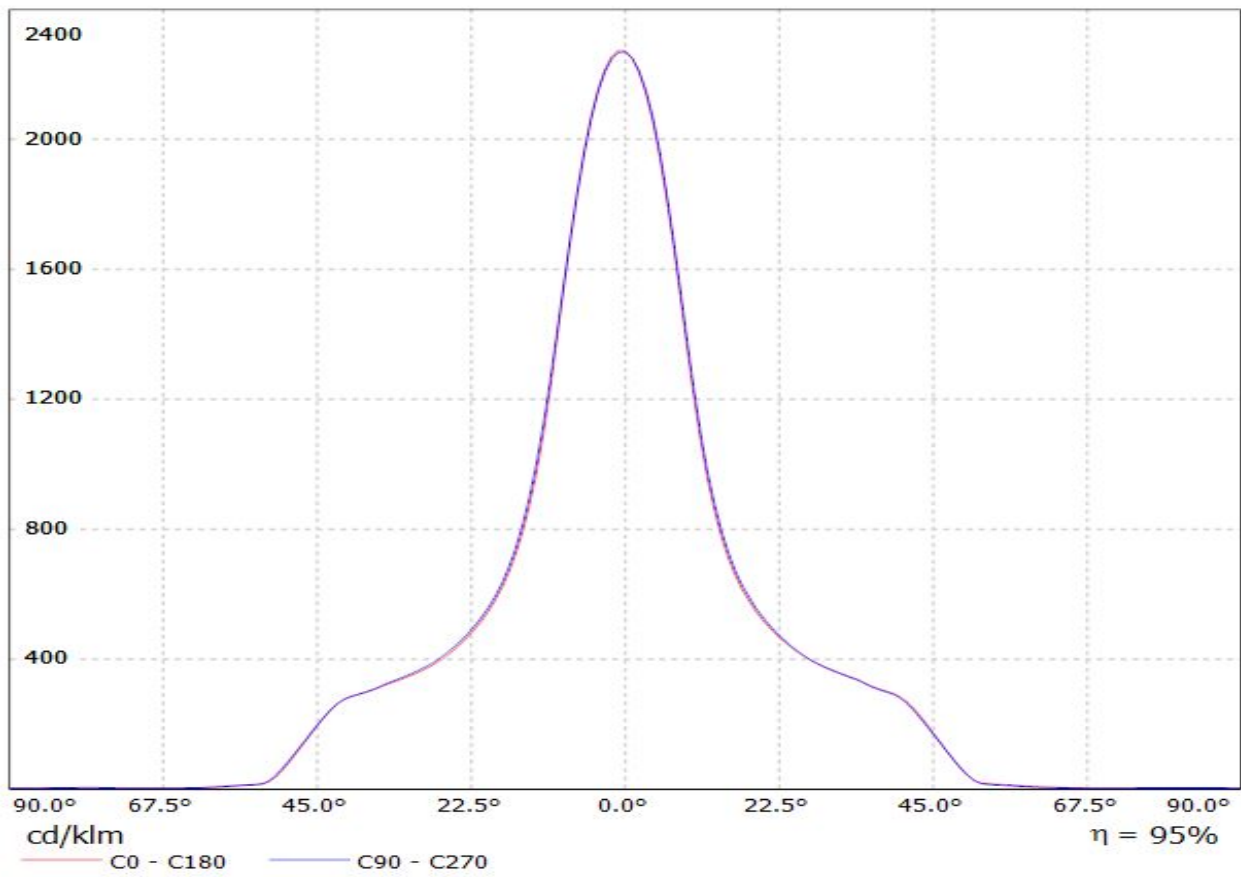


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSBxL121A)

Lamps: 1 x Nichia\_NSBxL121A\_914.478lm@250mA\_P=7.56872W\_I=249.9mA

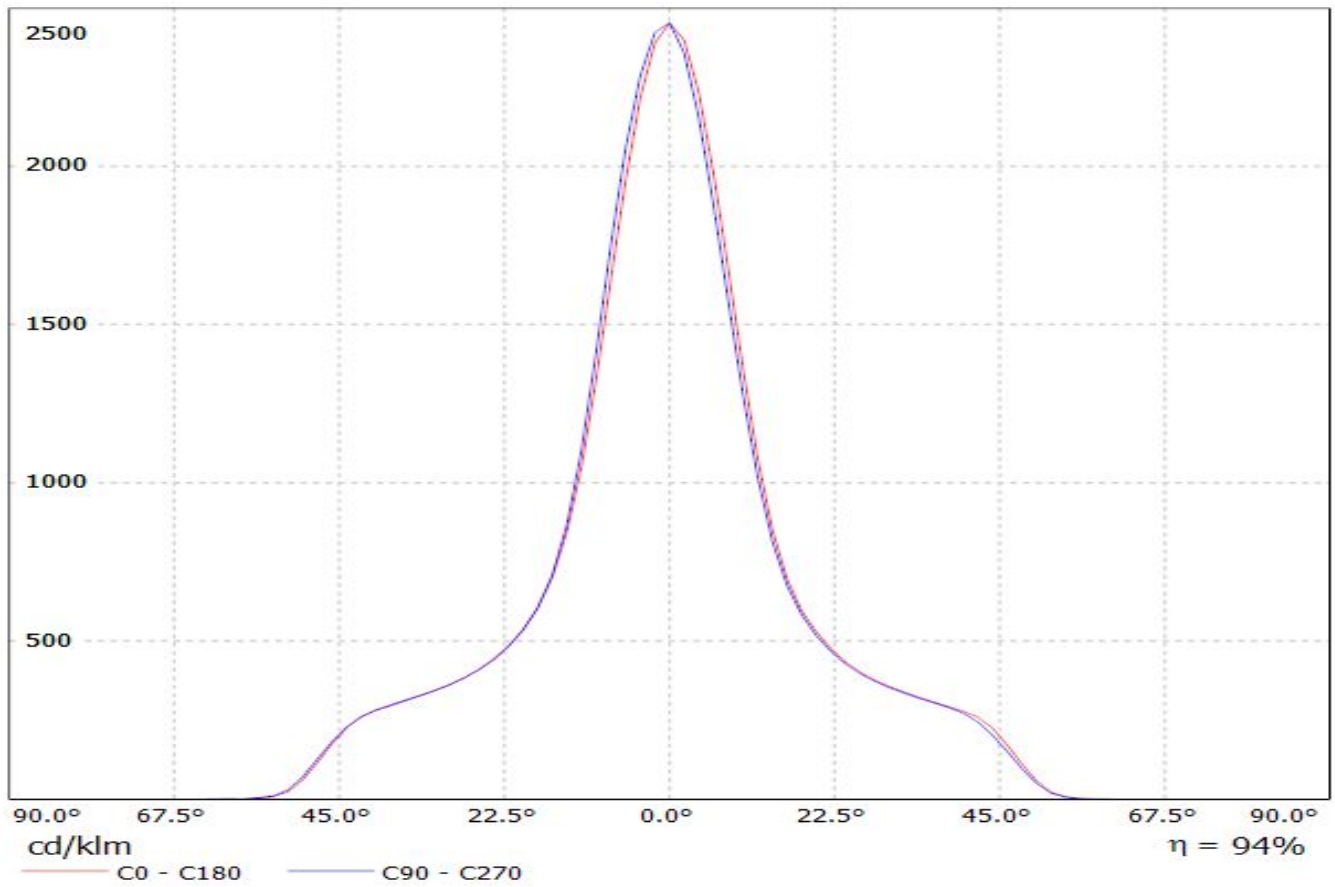


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA25) Eff.94%  
Lamps: 1 x CREE\_CXA25\_(CXA2530-7C0-T2-N0H)\_1151.98lm@250mA\_CCT=3000K\_P=8.4892W\_I=249.8mA

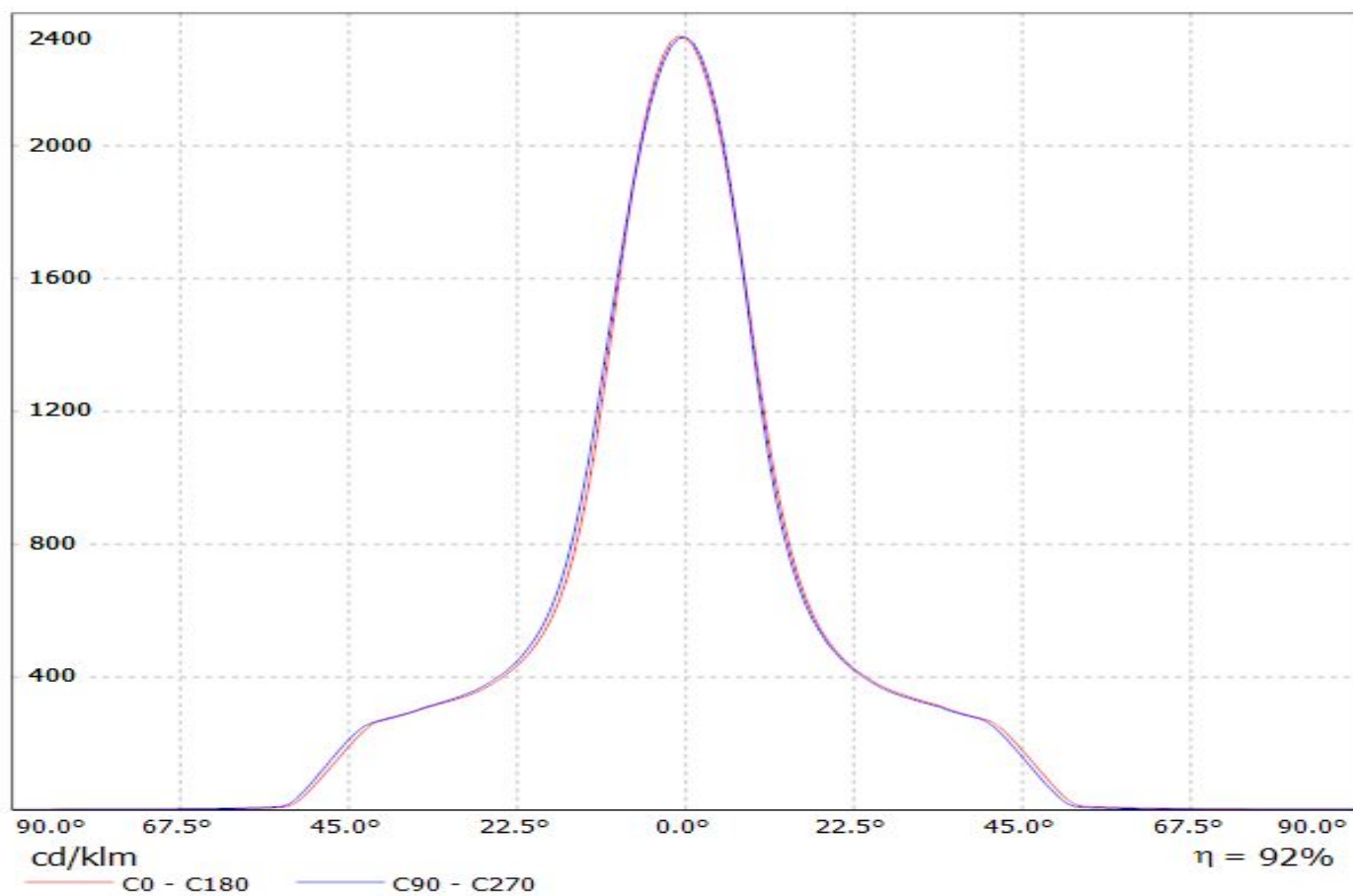


Luminaire: LEDiL F13325\_ANGELINA-S\_(CLL030)

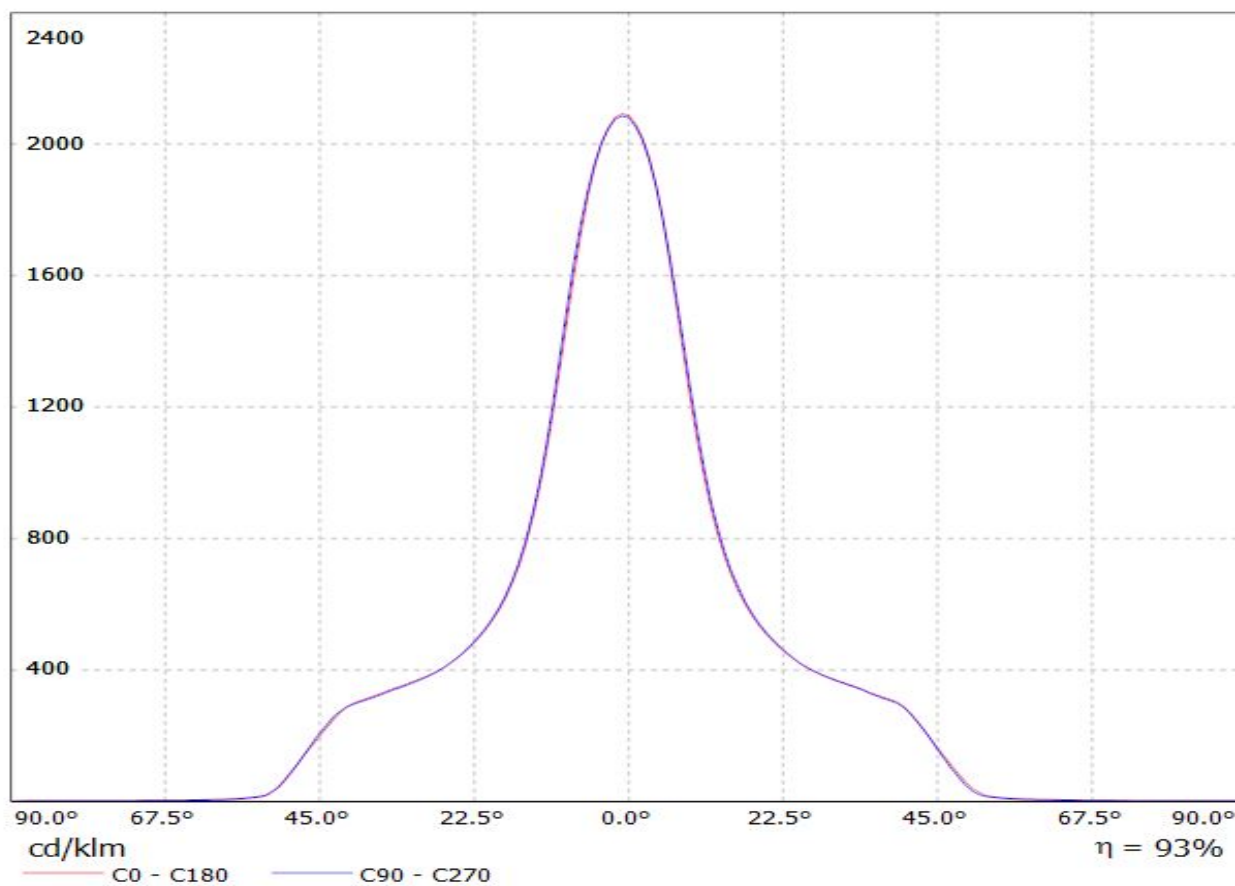
Lamps: 1 x Citizen CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE GEN4 LES19)  
Lamps: 1 x SLE GEN4 LES19\_1227.01lm@250mA\_P=8.21492W\_I=0.2498A

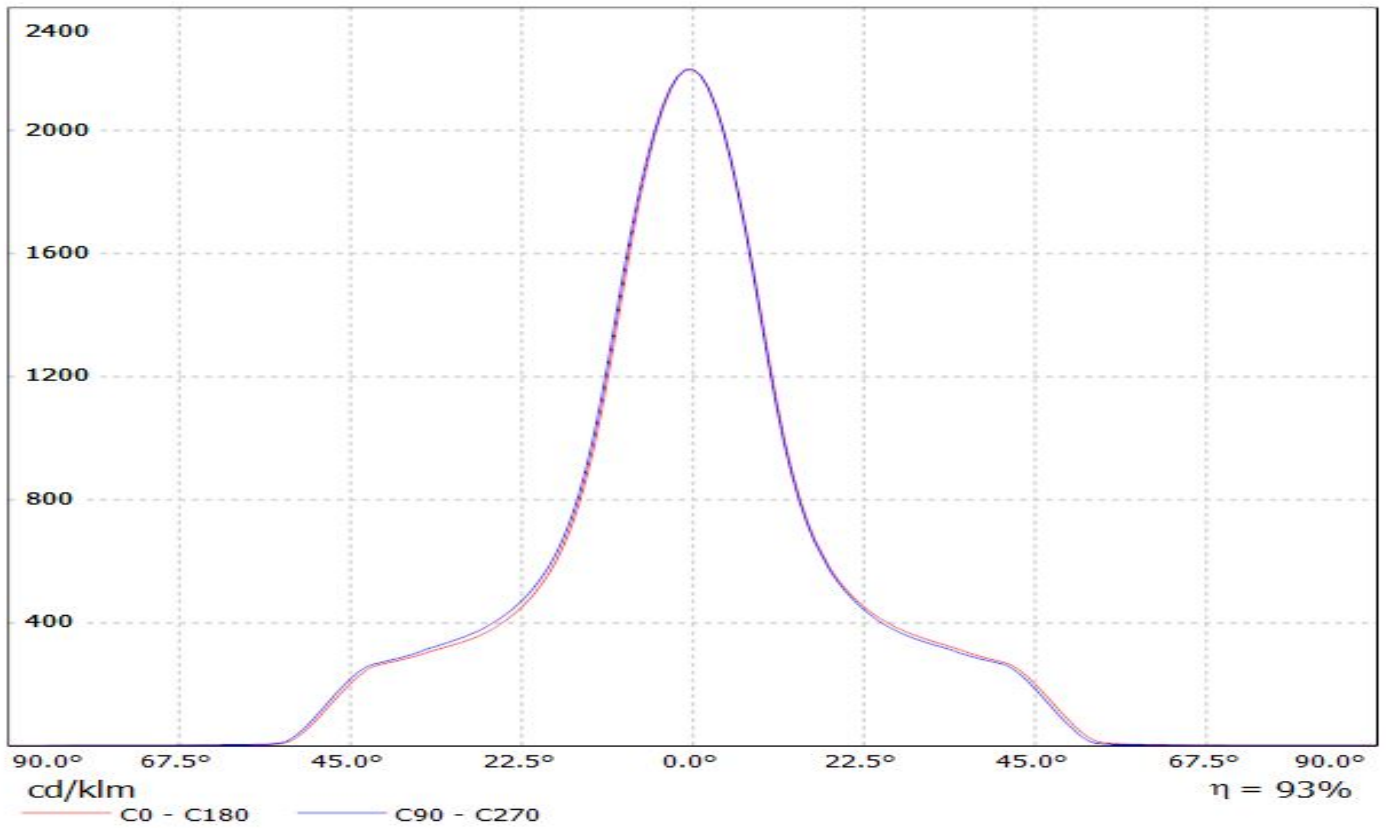


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LEP-2000-827-C-AC)  
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)

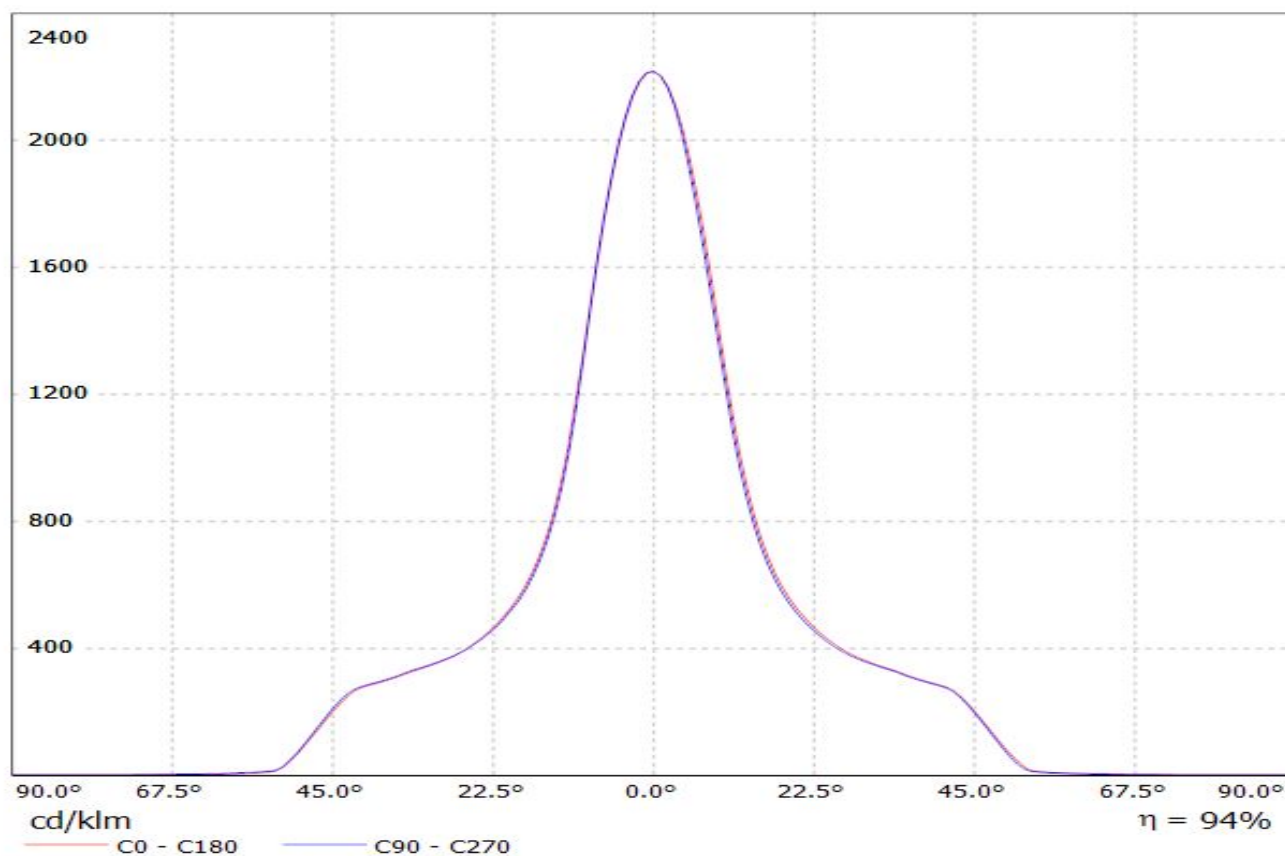


**LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES19) Eff.93.5% / LDC (Linear)**

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES19) Eff.93.5%  
Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES19\_(STARK-SLE-G3-LES19-2000-840-CLA)  
\_1058.33lm@250mA\_P=8.32833W\_I=249.8mA

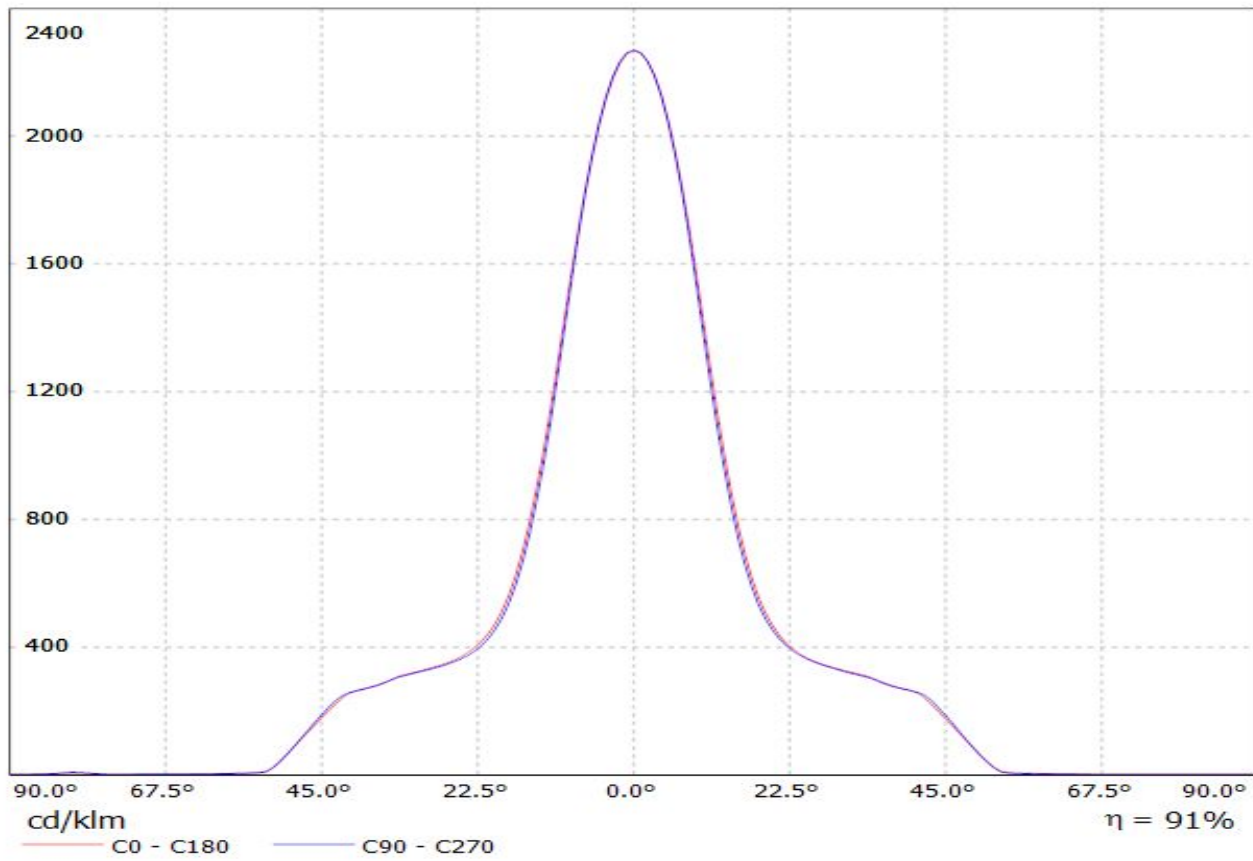


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES19) Eff.94%  
Lamps: 1 x OSRAM PrevaLED\_LES9\_(PL-CORE-1100-830-Z3)\_1333.47lm@250mA\_P=10.4584W\_I=249.8mA

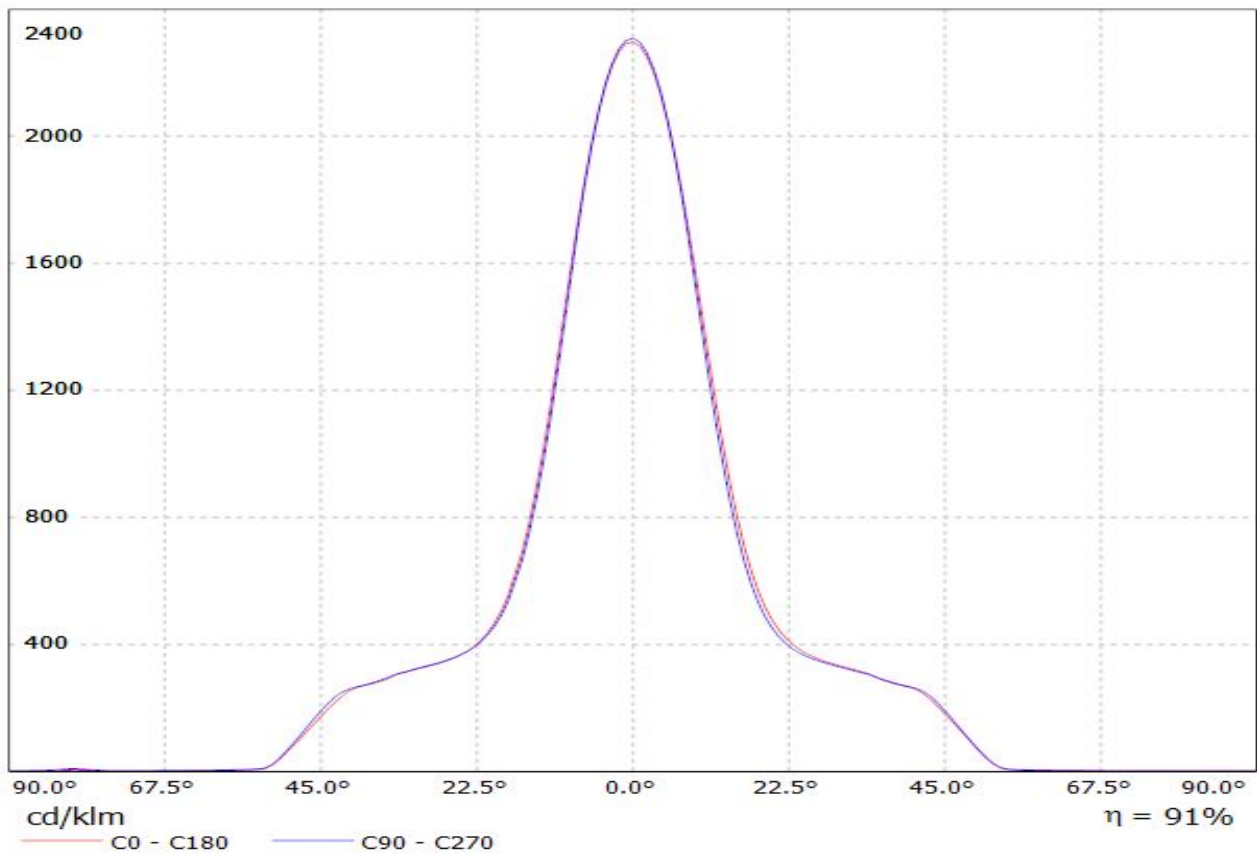


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_2000) Eff.90.7%

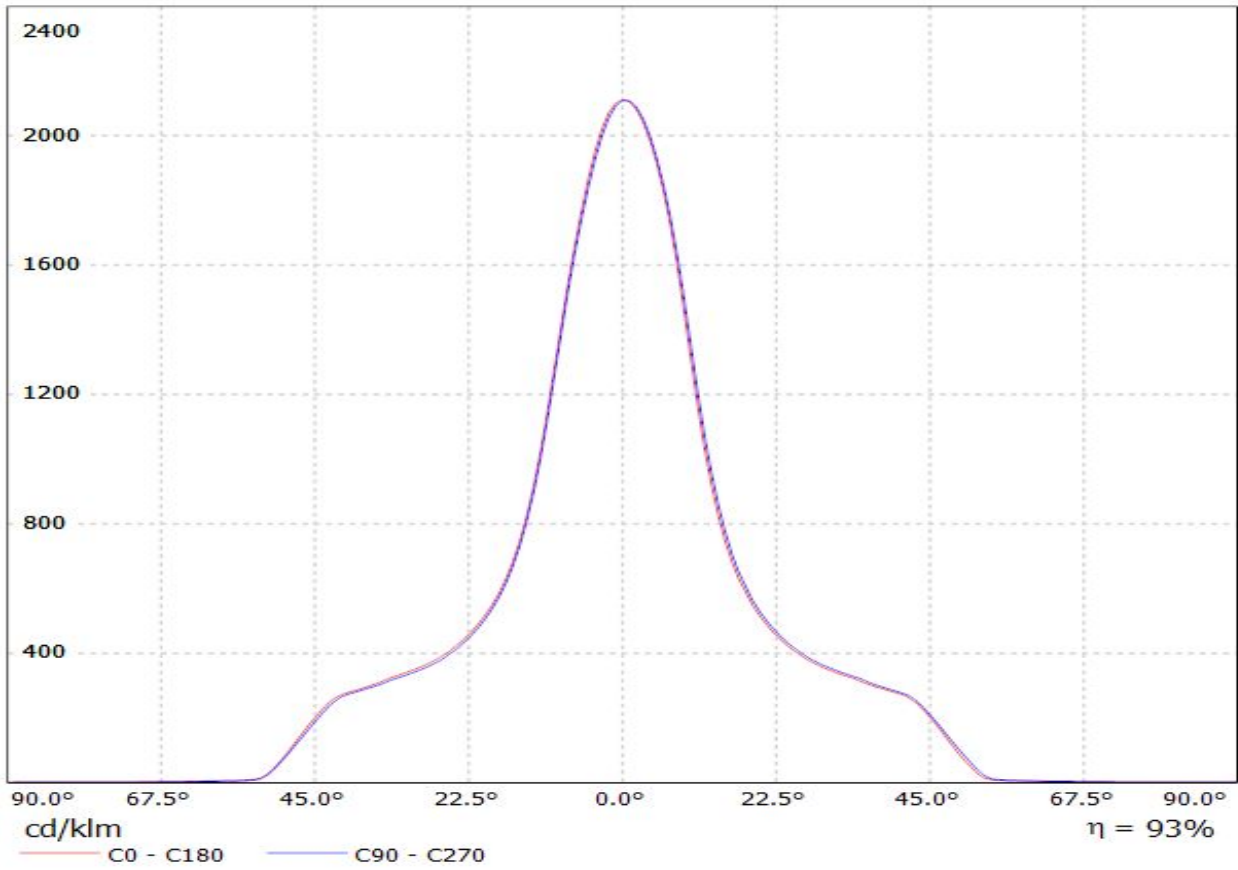
Lamps: 1 x PHILIPS Fortimo LED SLM 2000 23W/930 L19 G3 665.774lm@250mA CCT=3000K P=6W I=250mA



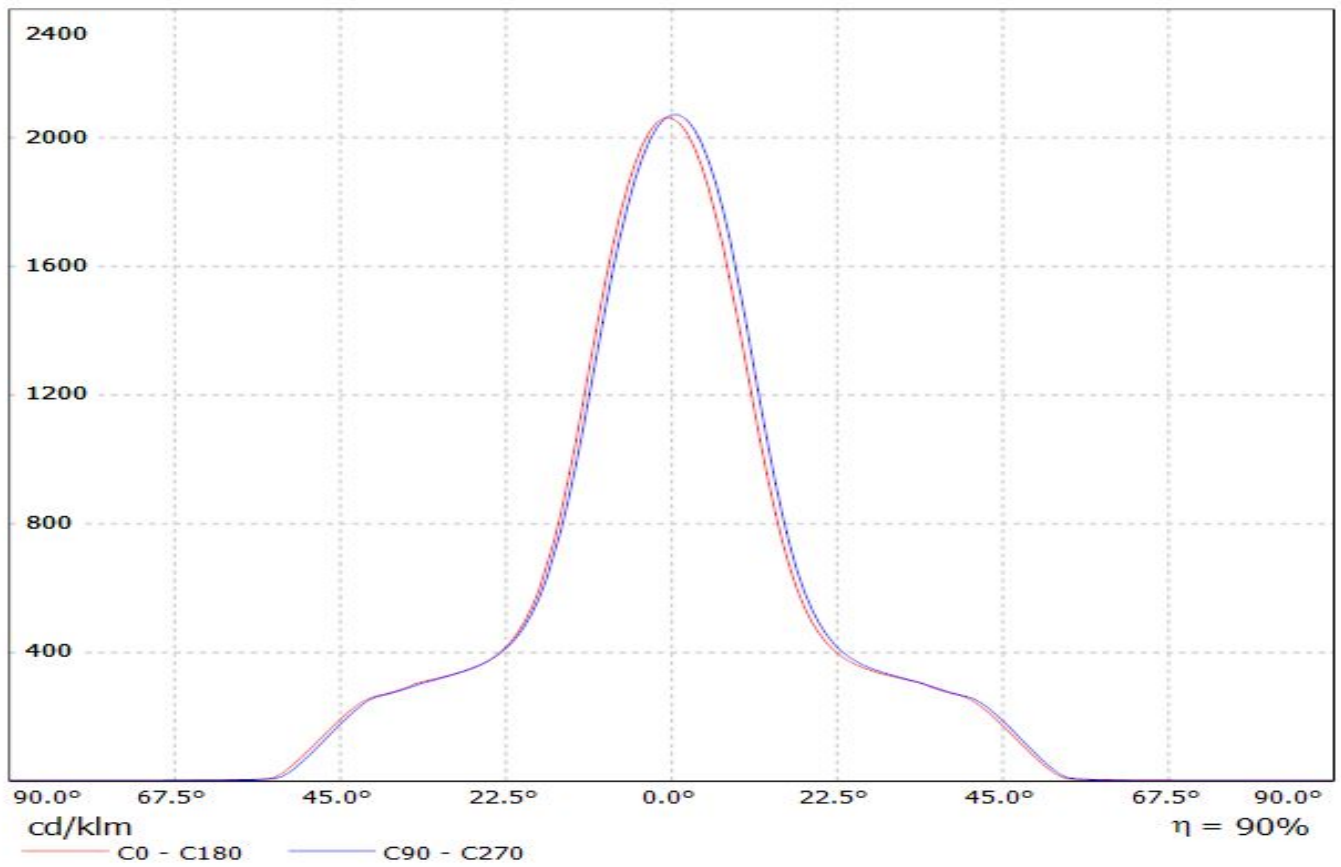
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_3000) Eff.90.9%  
Lamps: 1 x PHILIPS Fortimo LED SLM 3000 28W/830 L19 G3 1046.76lm@250mA CCT=3000K P=9W I=250mA



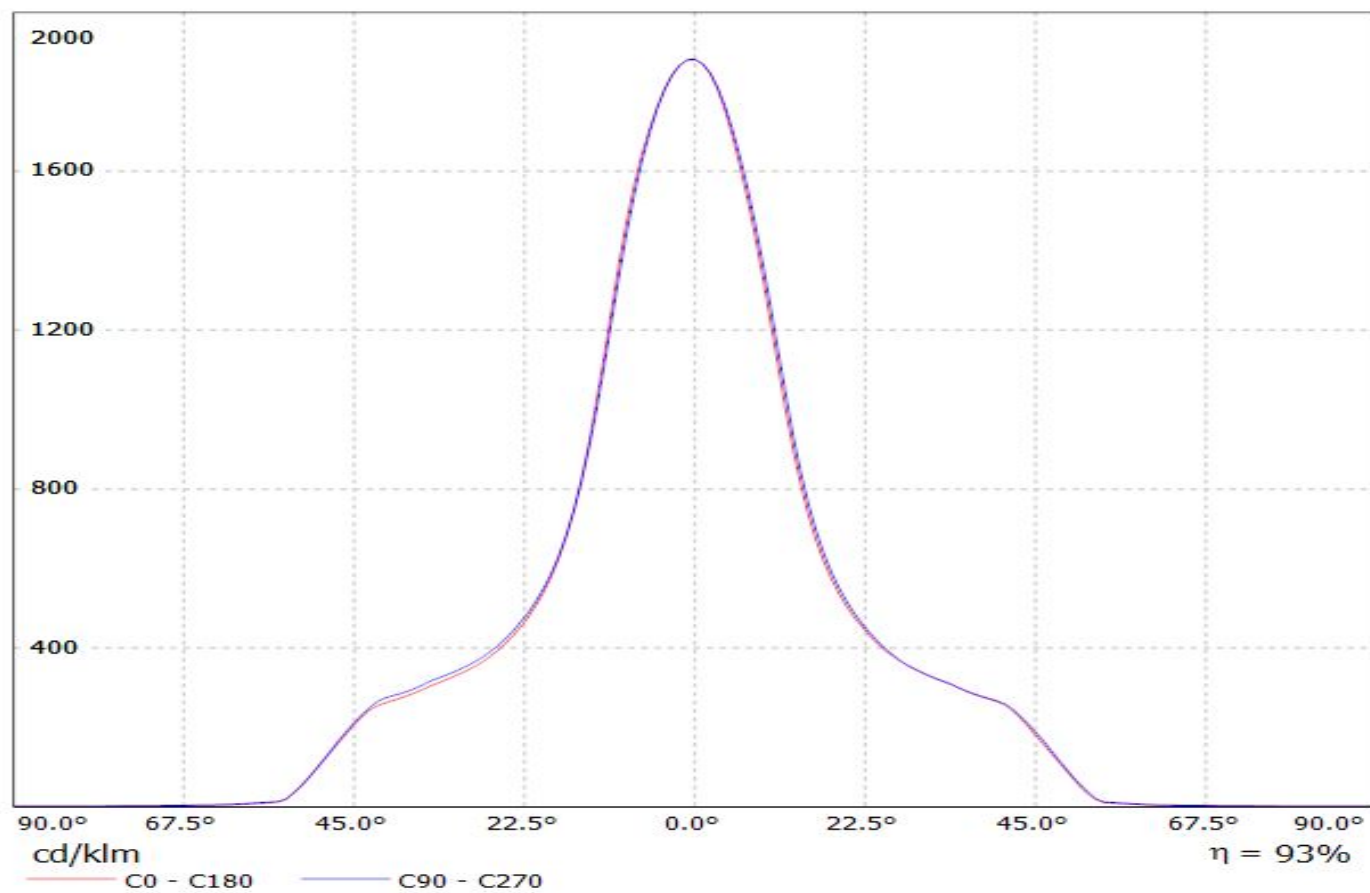
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(COB-LC026B) Eff.93.5%  
Lamps: 1 x SAMSUNG\_COB-LC026B\_(SPHWWTHDNC25YHV52F)\_1136.23lm@250mA\_P=8.23191W\_I=249.8mA



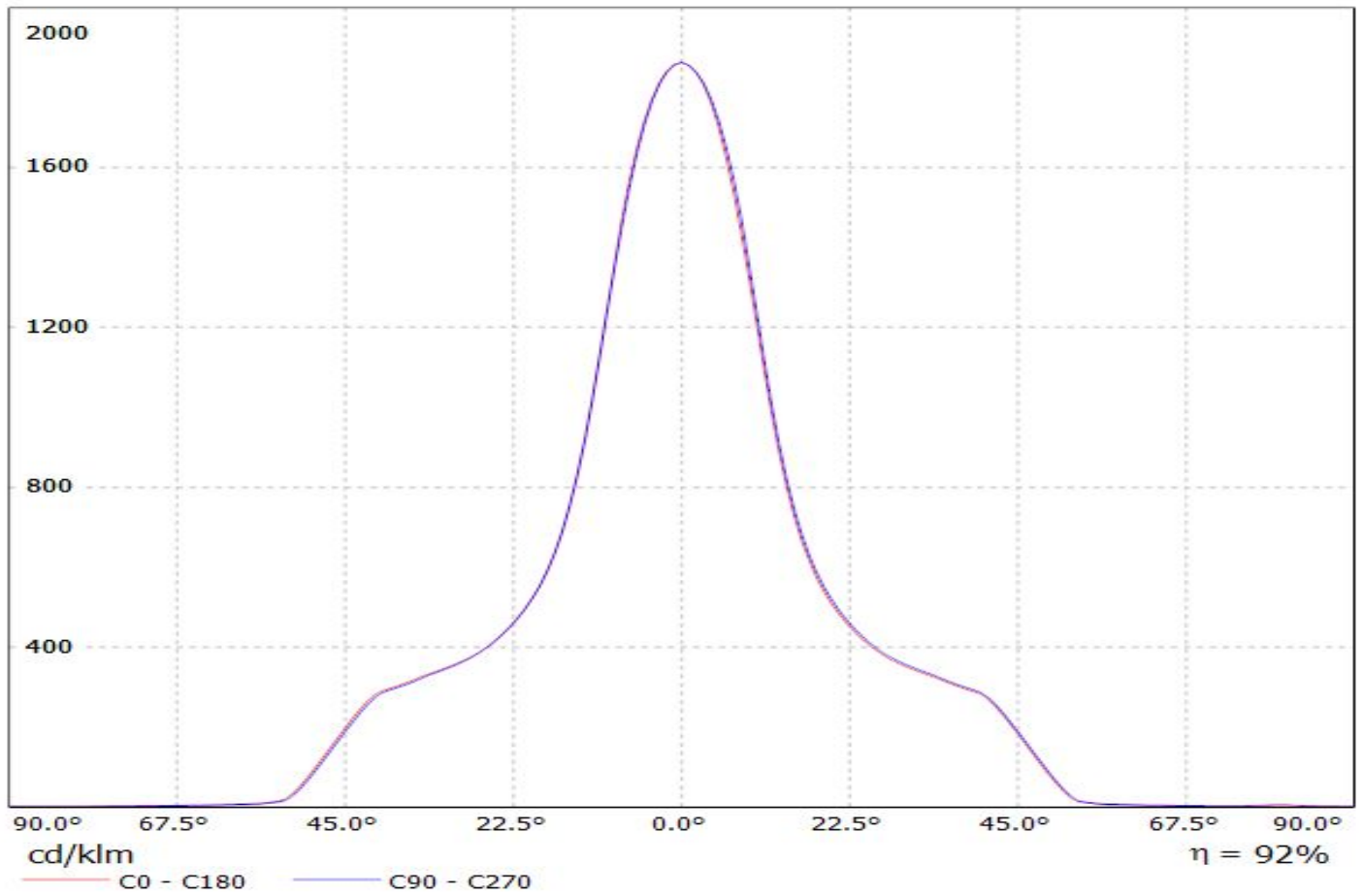
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES23) Eff.90.5%  
Lamps: 1 x TRIDONIC STARK SLE G2 LES23 830 CLA 982.731lm@250mA CCT=3000K P=8W I=250mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-486) Eff.93.3%  
Lamps: 1 x Vossloh\_Schwabe-WU-M-486\_(WU-M-486-830)  
\_1474.55lm@250mA\_P=10.4456W\_I=249.8mA

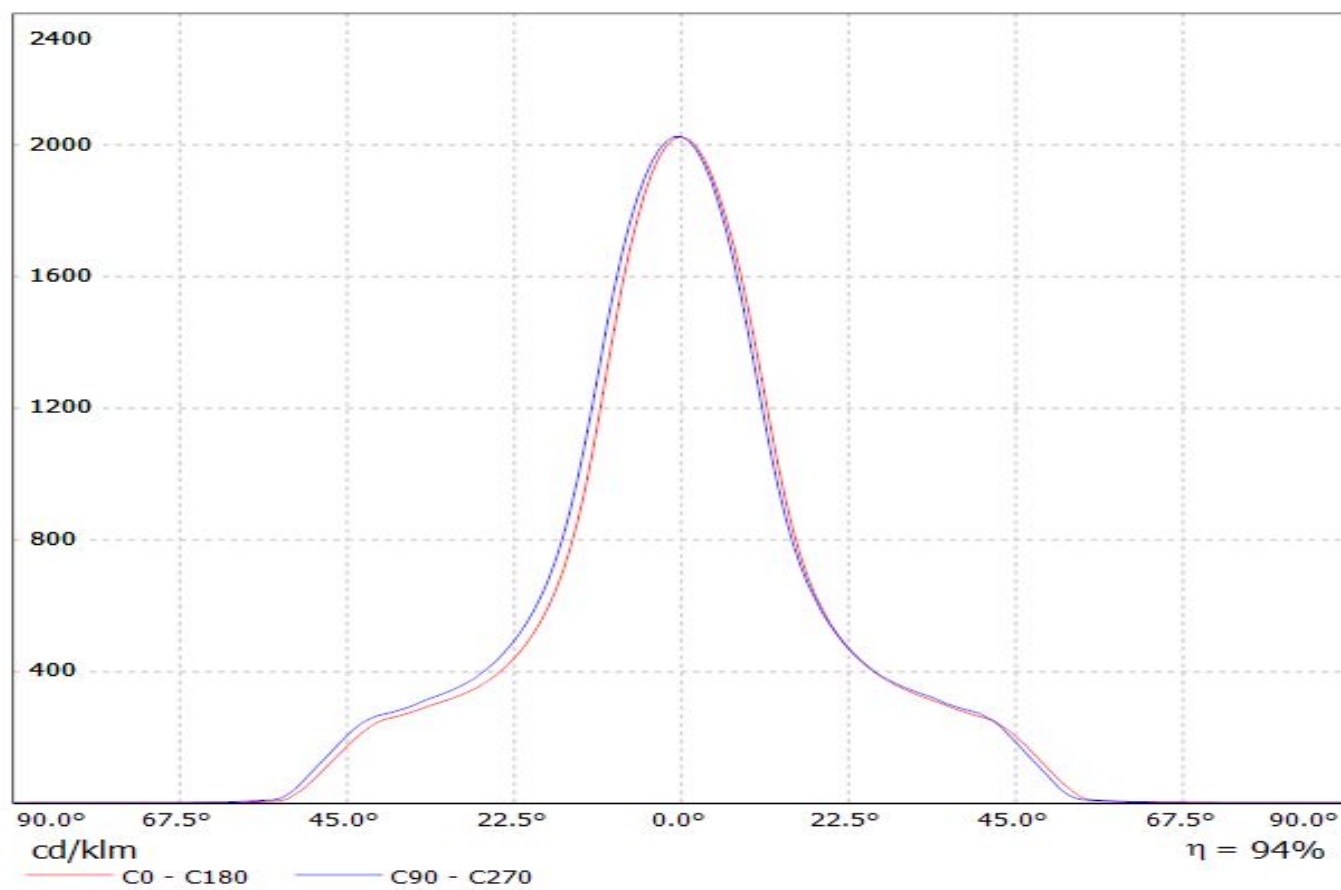


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L19 G4)  
Lamps: 1 x Fortimo LED SLM L19 G4\_1114.89lm@250mA\_P=8.04906W\_I=0.2498A



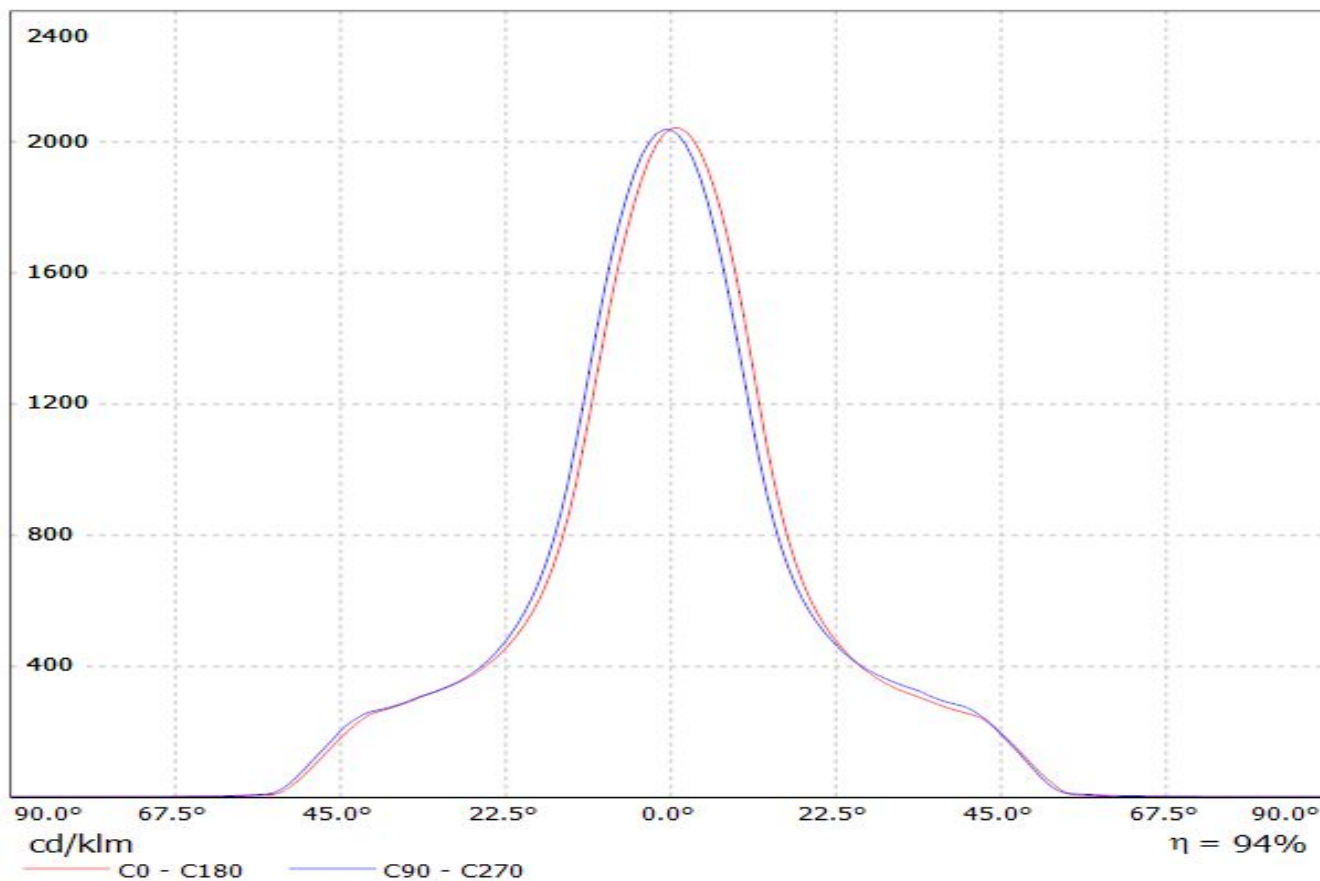
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-462-827)

Lamps: 1 x Vossloh\_WU-M-462-827\_1116.7lm@250mA\_P=8.9943W\_I=249.8mA

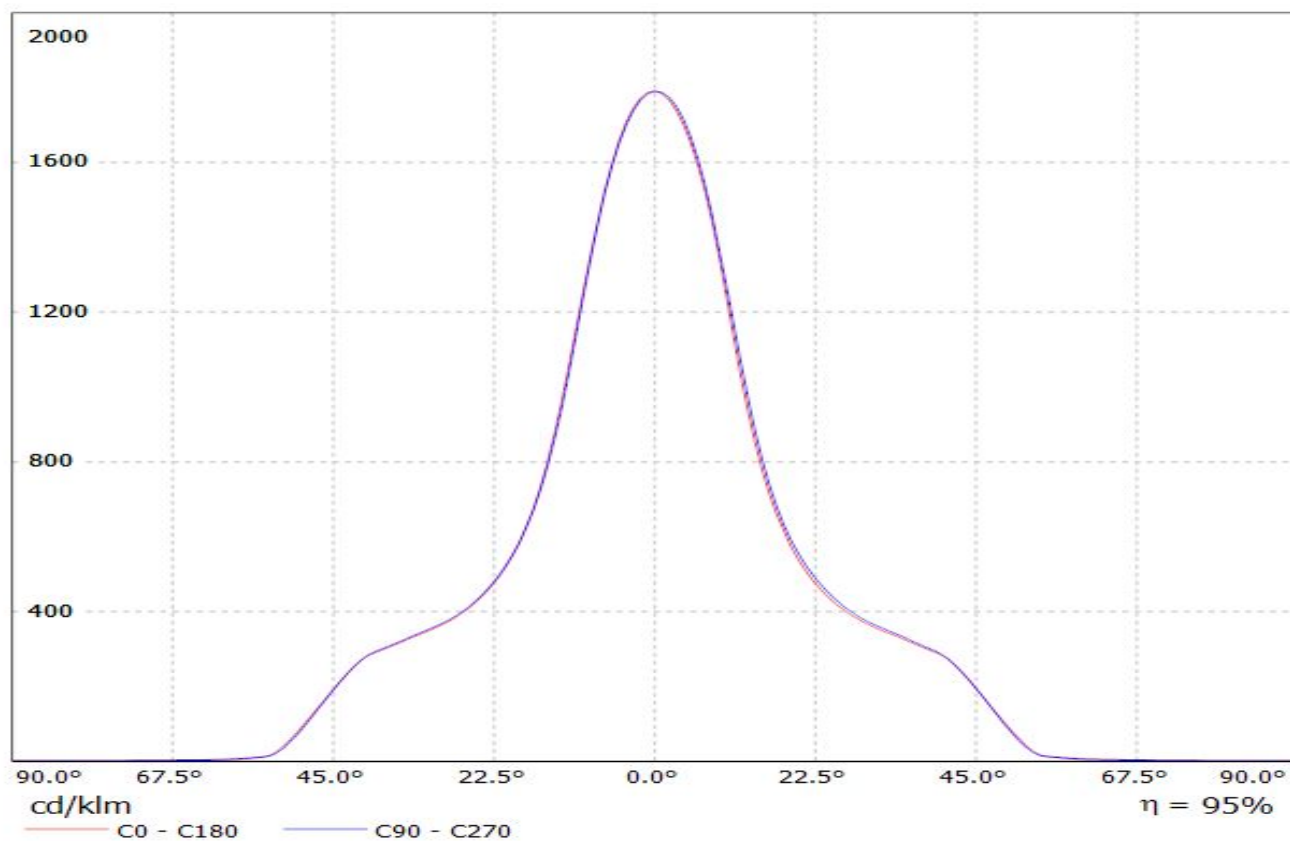


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-464-827)

Lamps: 1 x Vossloh\_WU-M-464-827\_1452.93lm@250mA\_P=11.6939W\_I=249.8mA

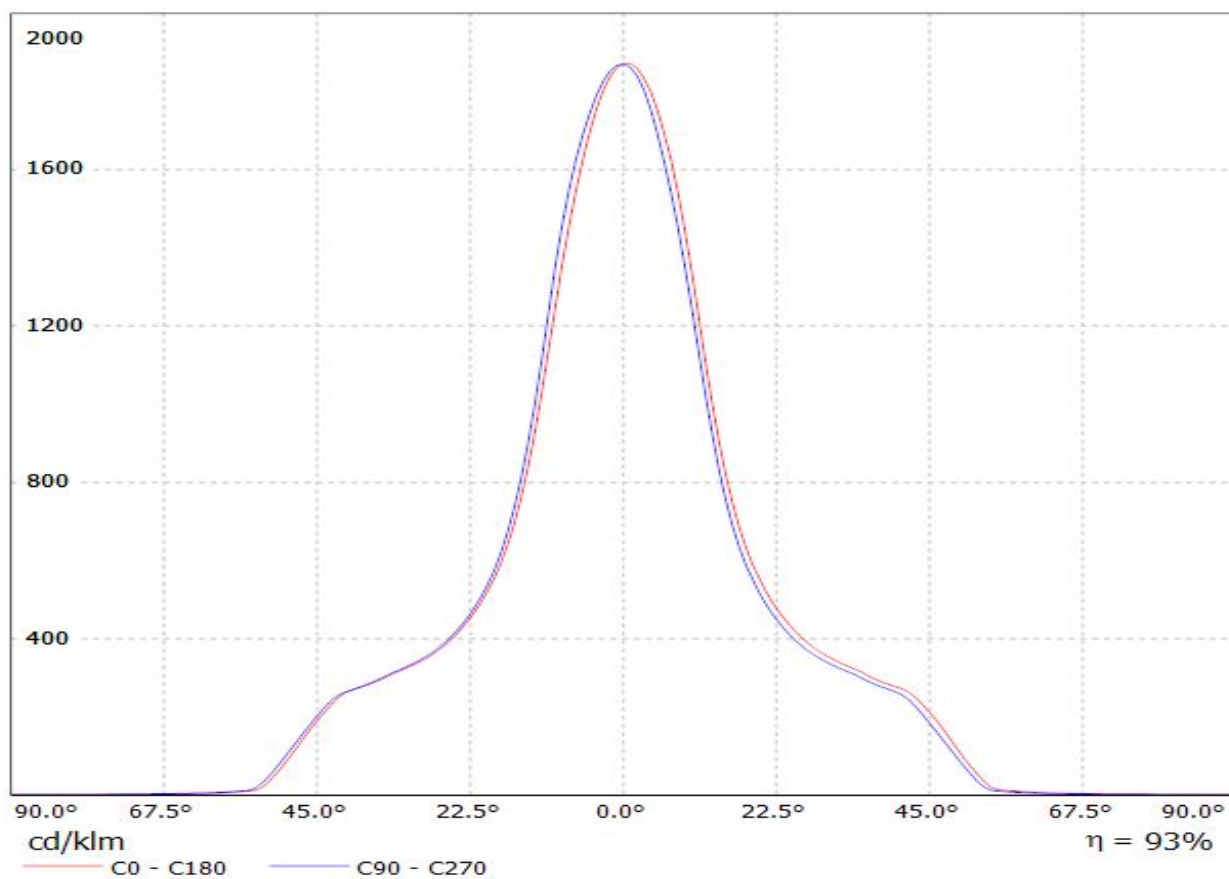


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES23) Eff. 94%  
Lamps: 1 x OSRAM PrevaLED\_LES23\_(PL-CORE-5000-930-Z3)\_1102.2lm@250mA\_P=9.93654W\_I=249.8mA

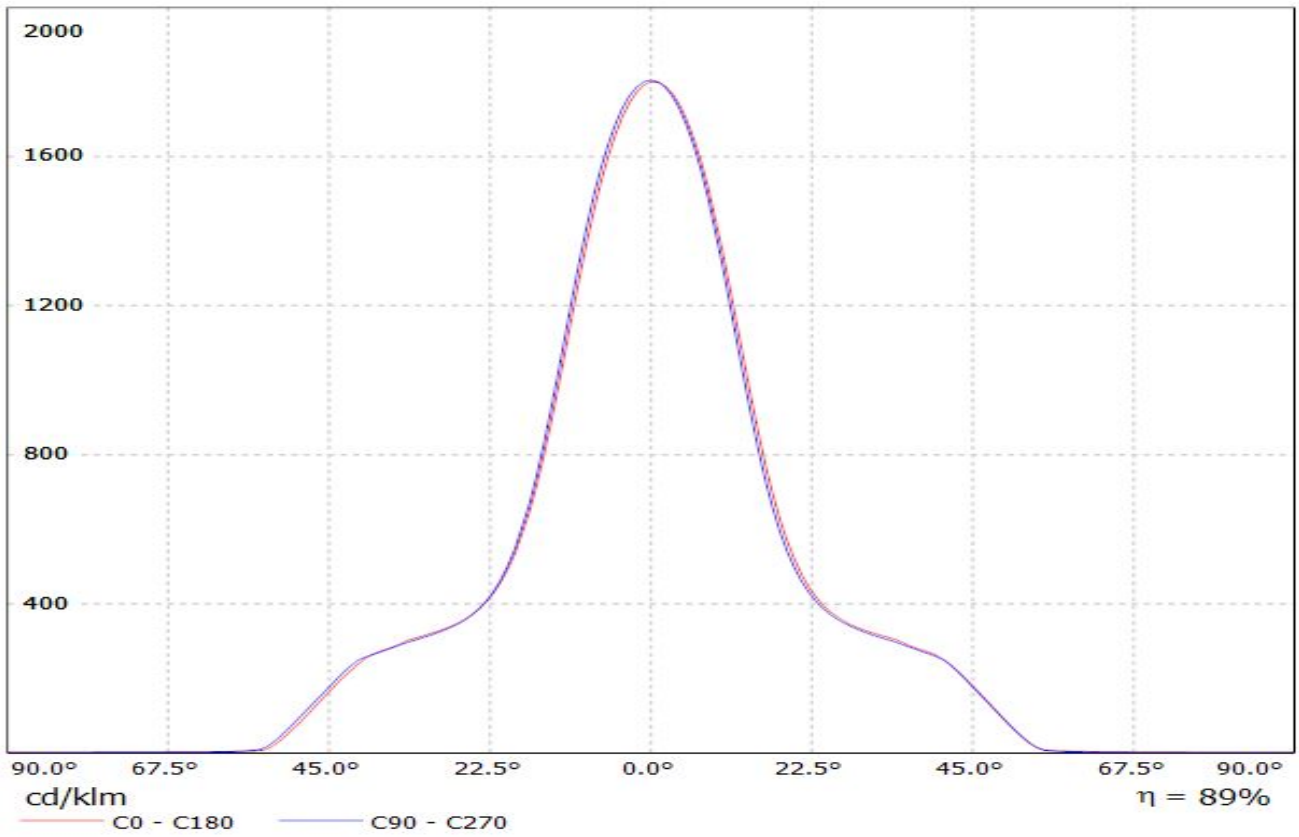


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-485)

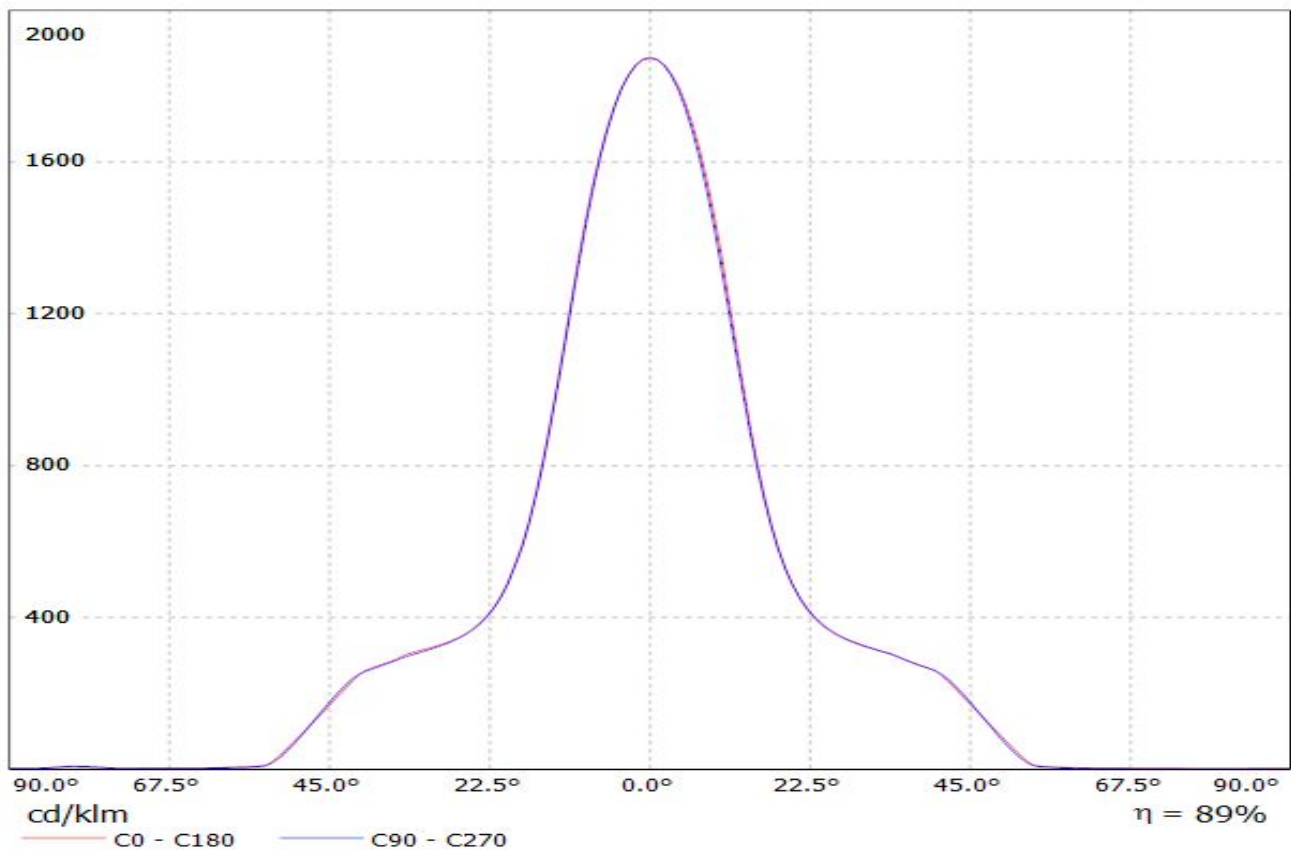
Lamps: 1 x Vossloh\_Schwabe-WU-M-485\_(WU-M-485-830)\_1209.62lm@250mA\_P=8.43849W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES26) Eff.89.2%  
Lamps: 1 x TRIDONIC STARK SLE G2 LES26 830 CLA 1095.88lm@250mA CCT=3000K P=8W I=250mA

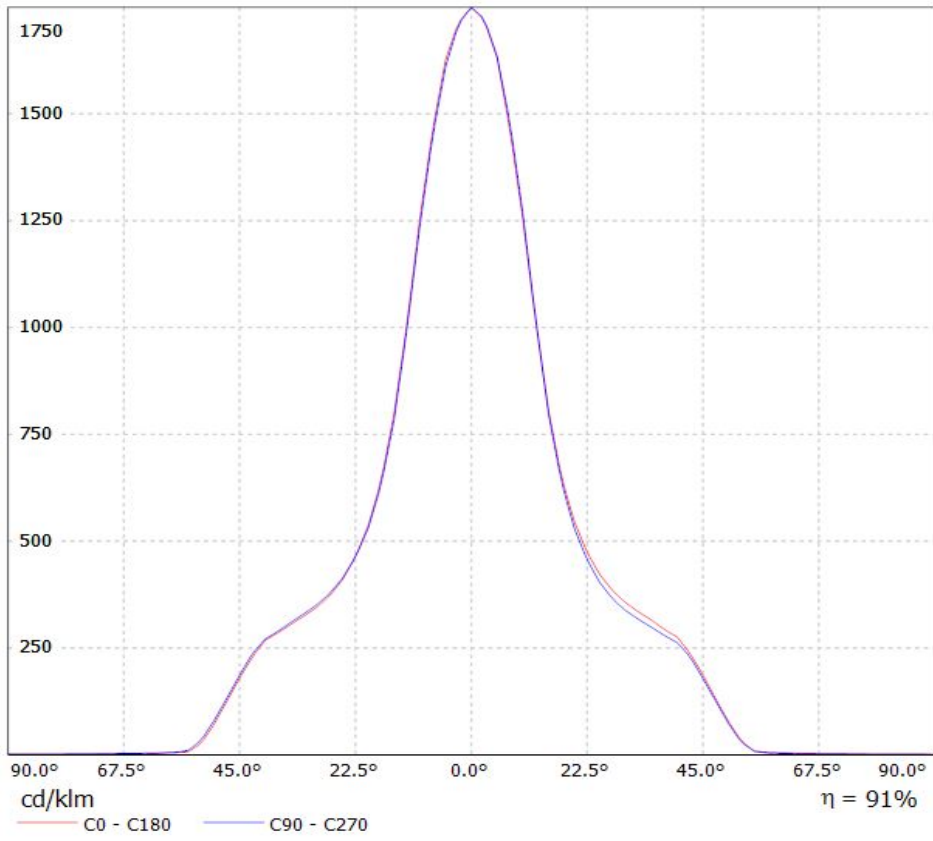


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_4500) Eff.89.2%  
Lamps: 1 x PHILIPS Fortimo 4500 1197lm@250mA I:250mA P:10.8W



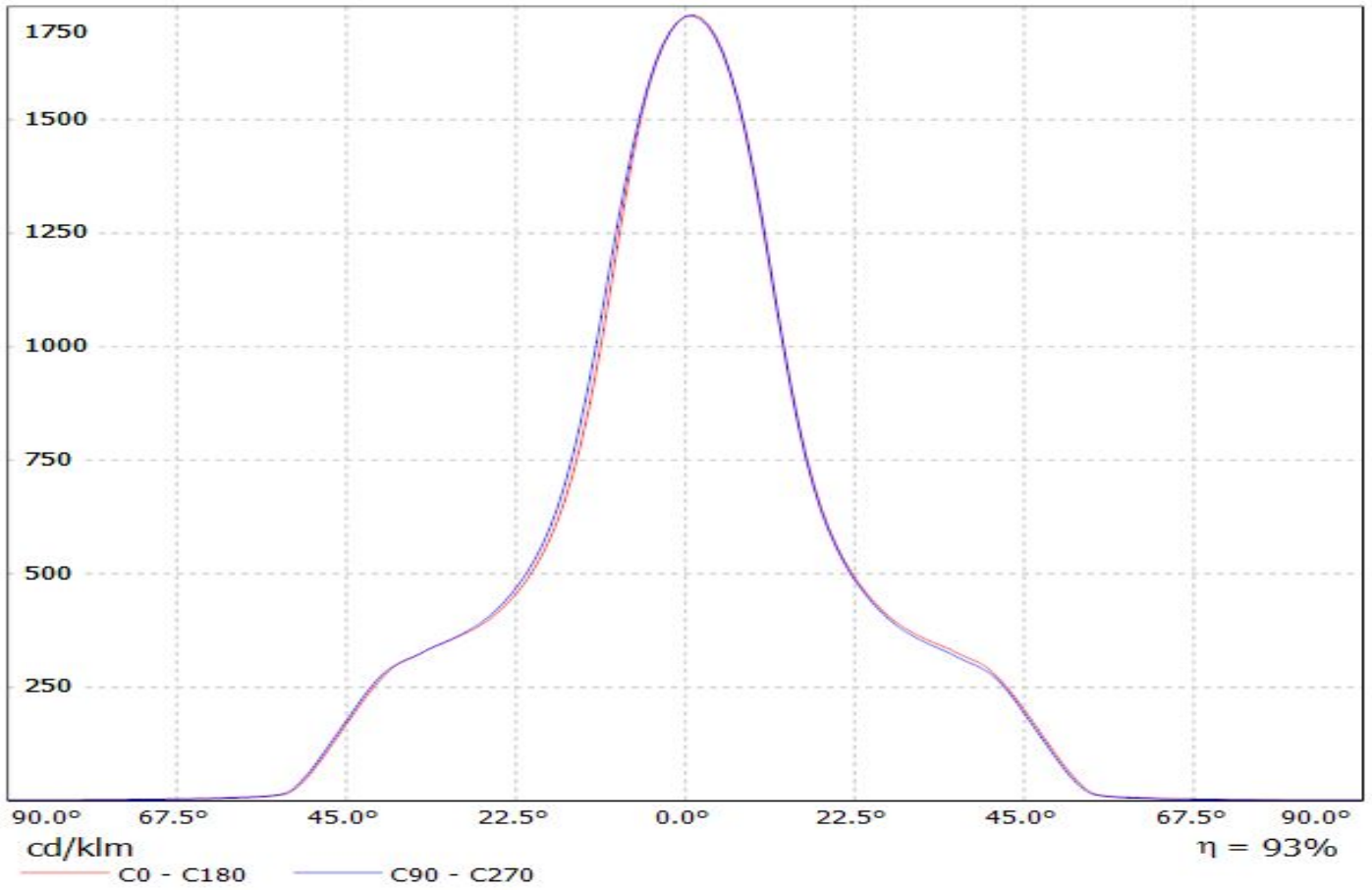
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES23) Eff.91.2%

Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES23\_(STARK-SLE-PURE\_G3-23-3000-930-SEL)\_813.196lm@250mA\_CCT=3000K\_P=8.20018W\_I=249.8mA

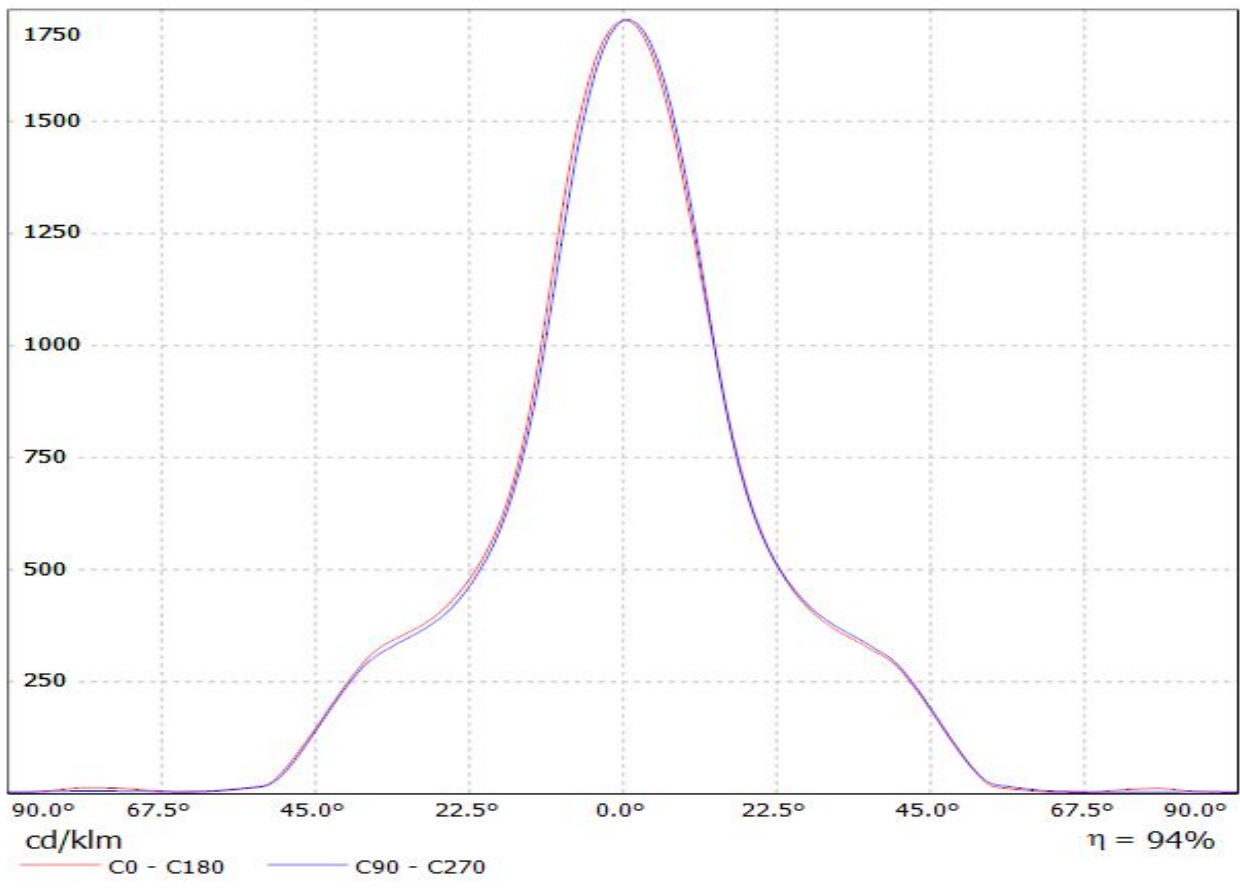


Luminaire: LEDiL Oy F13325\_ANGELINA-S (SLE\_G4\_LES23)

Lamps: 1 x Tridonic\_SLE\_G4\_LES23\_1354.57lm@250mA\_P=8.18744W\_I=0.2498A

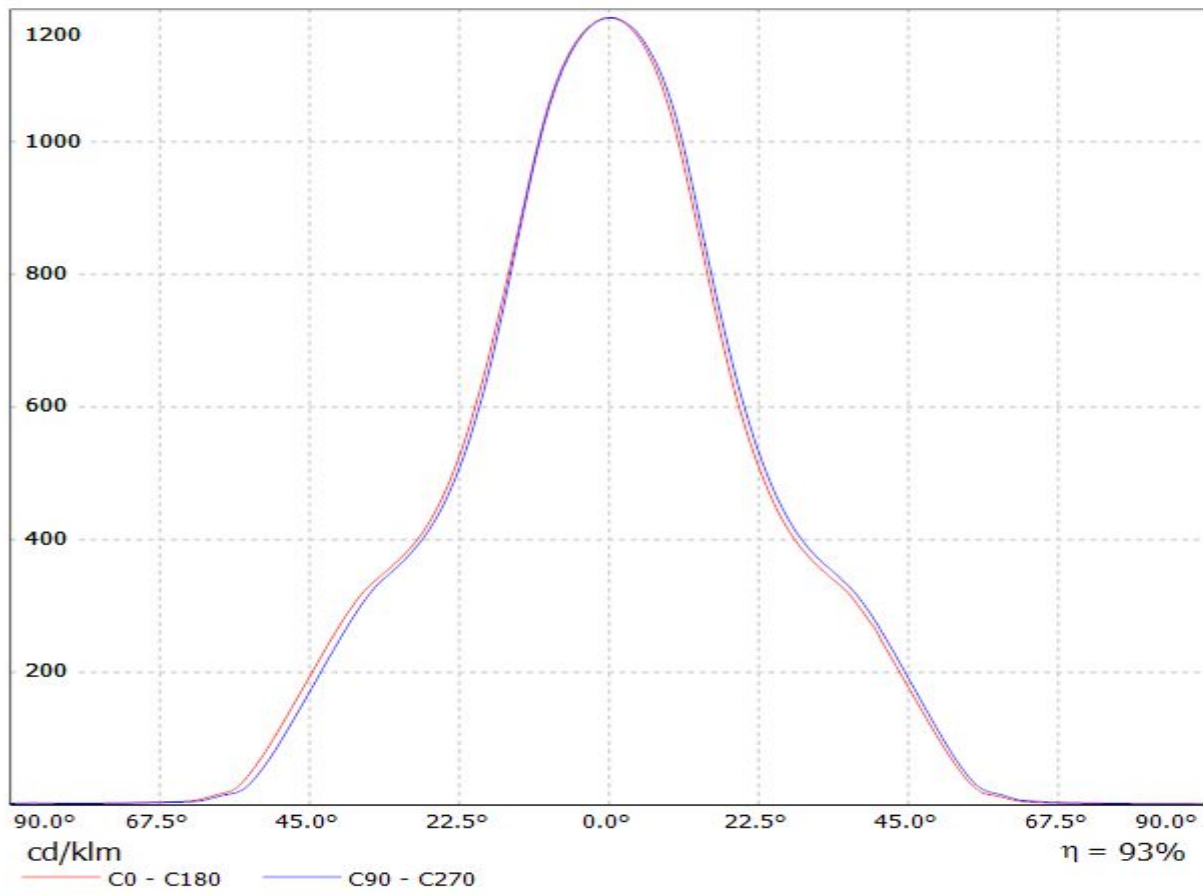


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA30) Eff.94%  
Lamps: 1 x CREE\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1340.66lm@250mA\_P=8.16471W\_CCT=5000K\_I=249.8mA



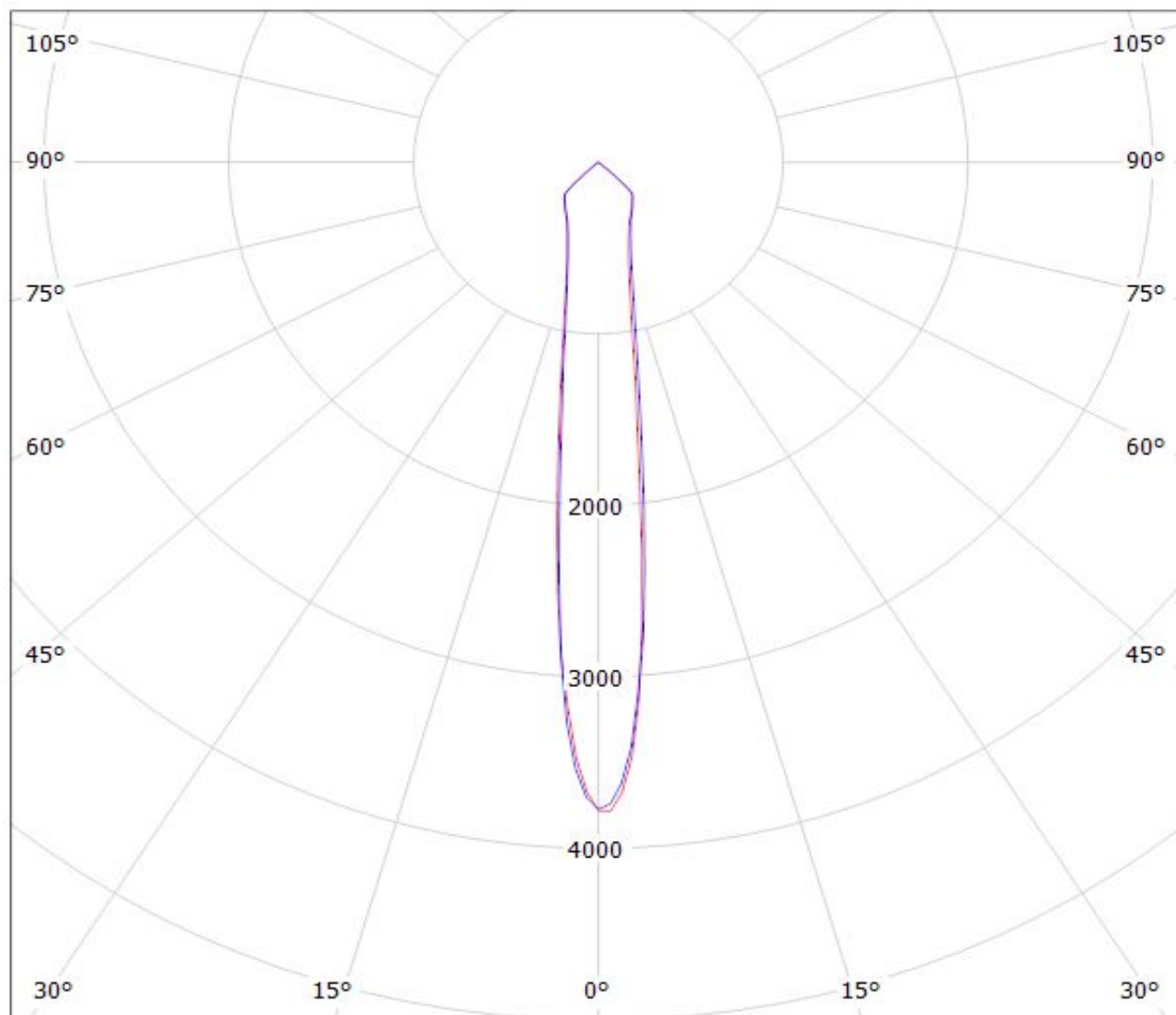
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA3590)

Lamps: 1 x CREE\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2640.14lm@250mA\_CCT=3000K\_P=16.3941W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES9) Eff. 94%

Lamps: 1 x PrevaLED\_LES9\_(PL-CORE-1100-830-Z3)\_507.9lm@100mA\_P=4.5039W\_I=100.1mA



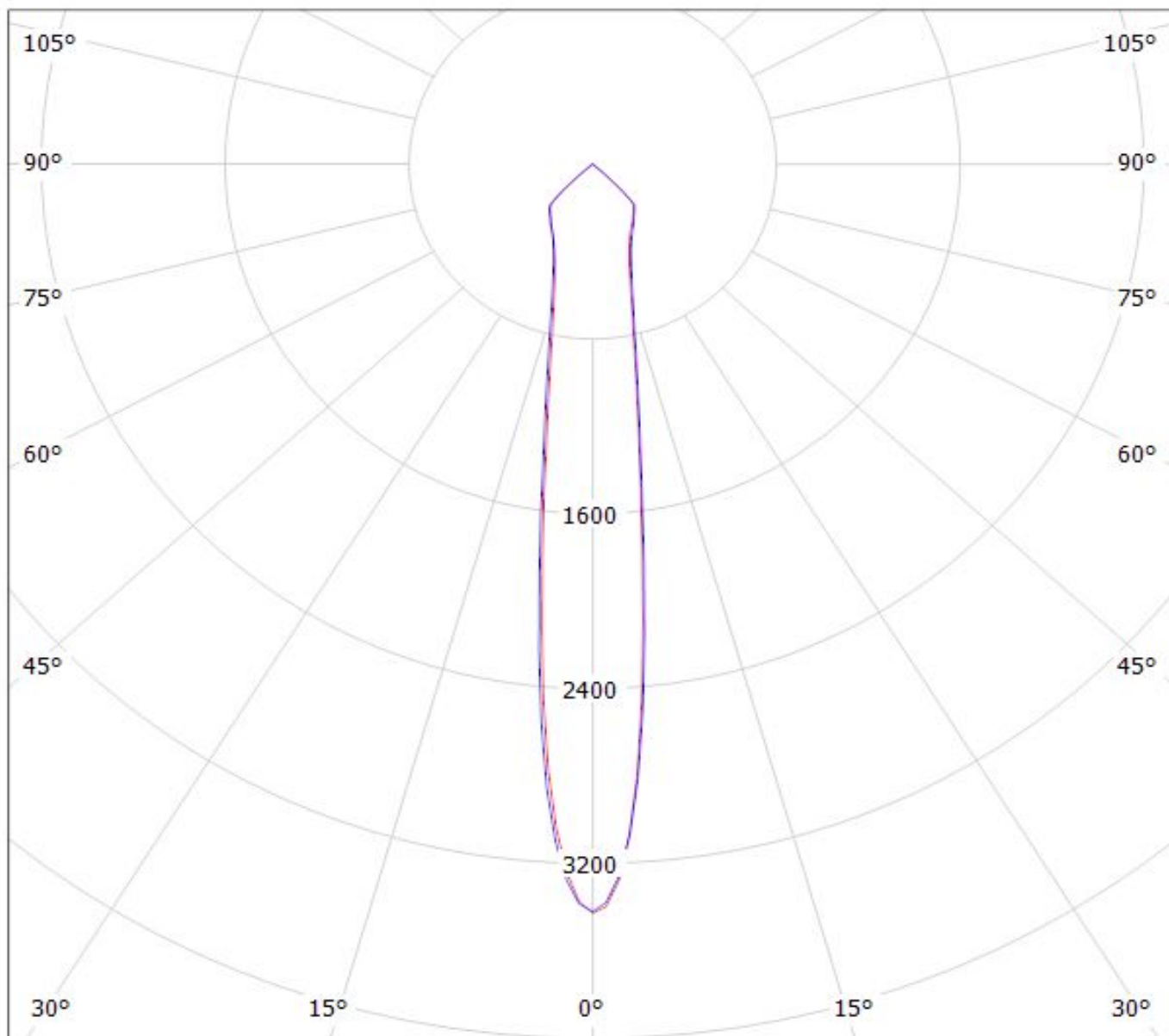
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM 1100 Im 830 L9 G4)  
Lamps: 1 x Fortimo LED SLM 1100 Im 830 L9 G4\_1021.27lm@250mA\_P=9.2431W\_I=0.2498A



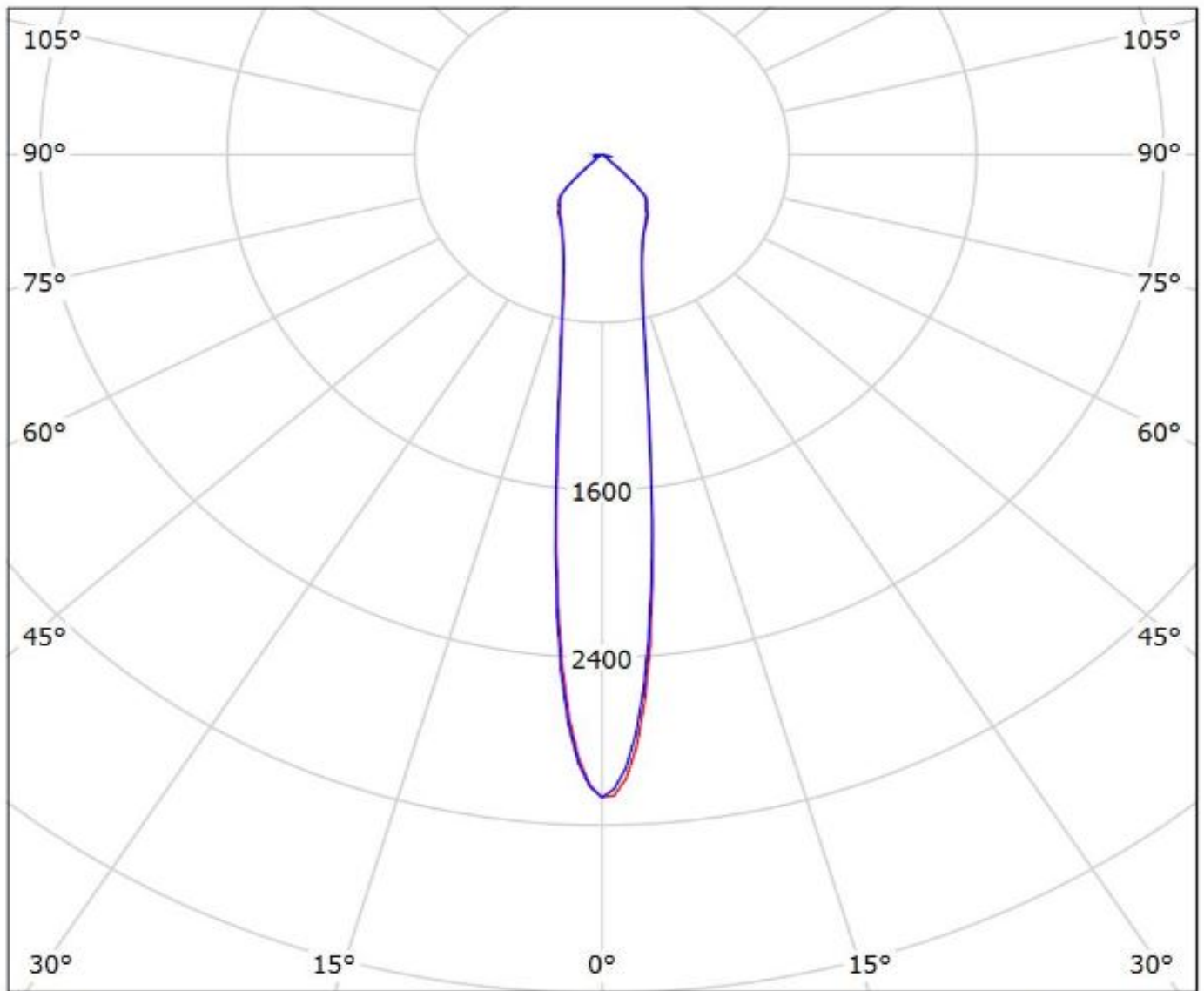
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil F13325\_ANGELINA-S\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1337.27lm@250mA\_CCT=2700K\_P=8.35W\_I=0.25A



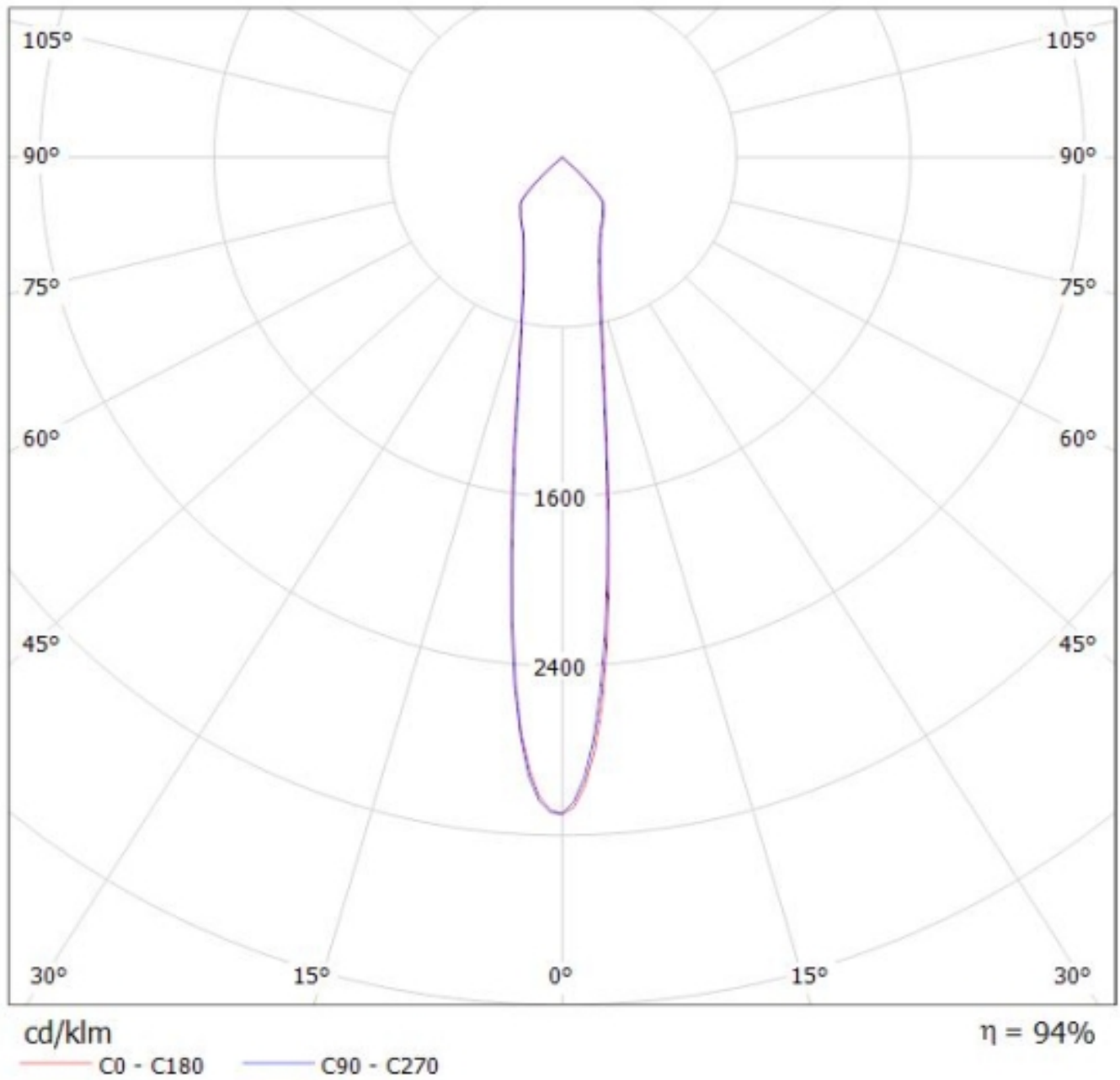
cd/klm

— C0 - C180 — C90 - C270

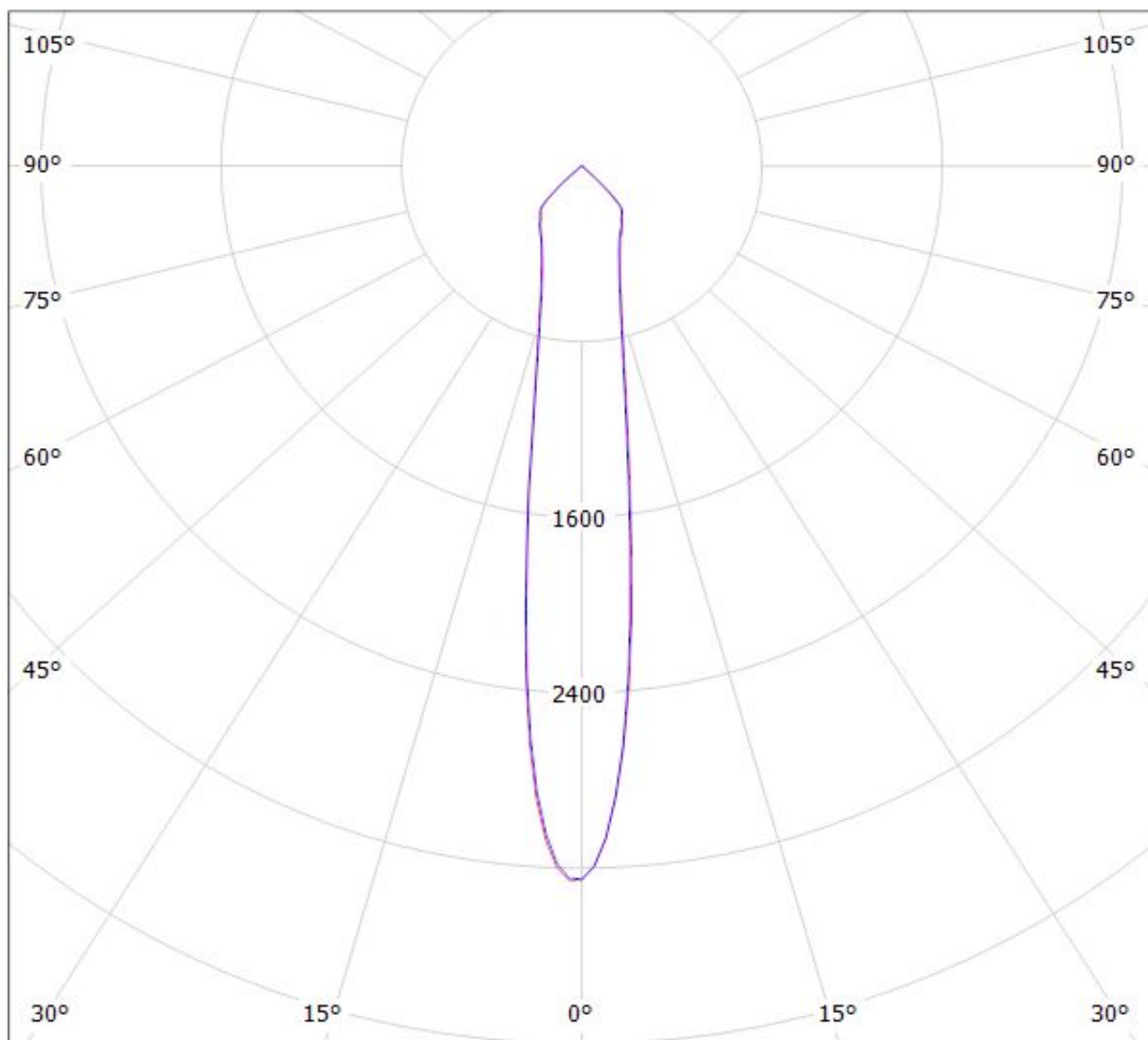
$\eta = 95\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LEP-800-827-C-AC)

Lamps: 1 x OSRAM PrevaLED Core AC (LEP-800-827-C-AC) 910lm@60mA U:230V P:14W



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA1816) Eff. 94%  
Lamps: 1 x CREE\_CXA1816\_1050lm@250mA\_P=8.65157W\_I=249.9mA



cd/klm

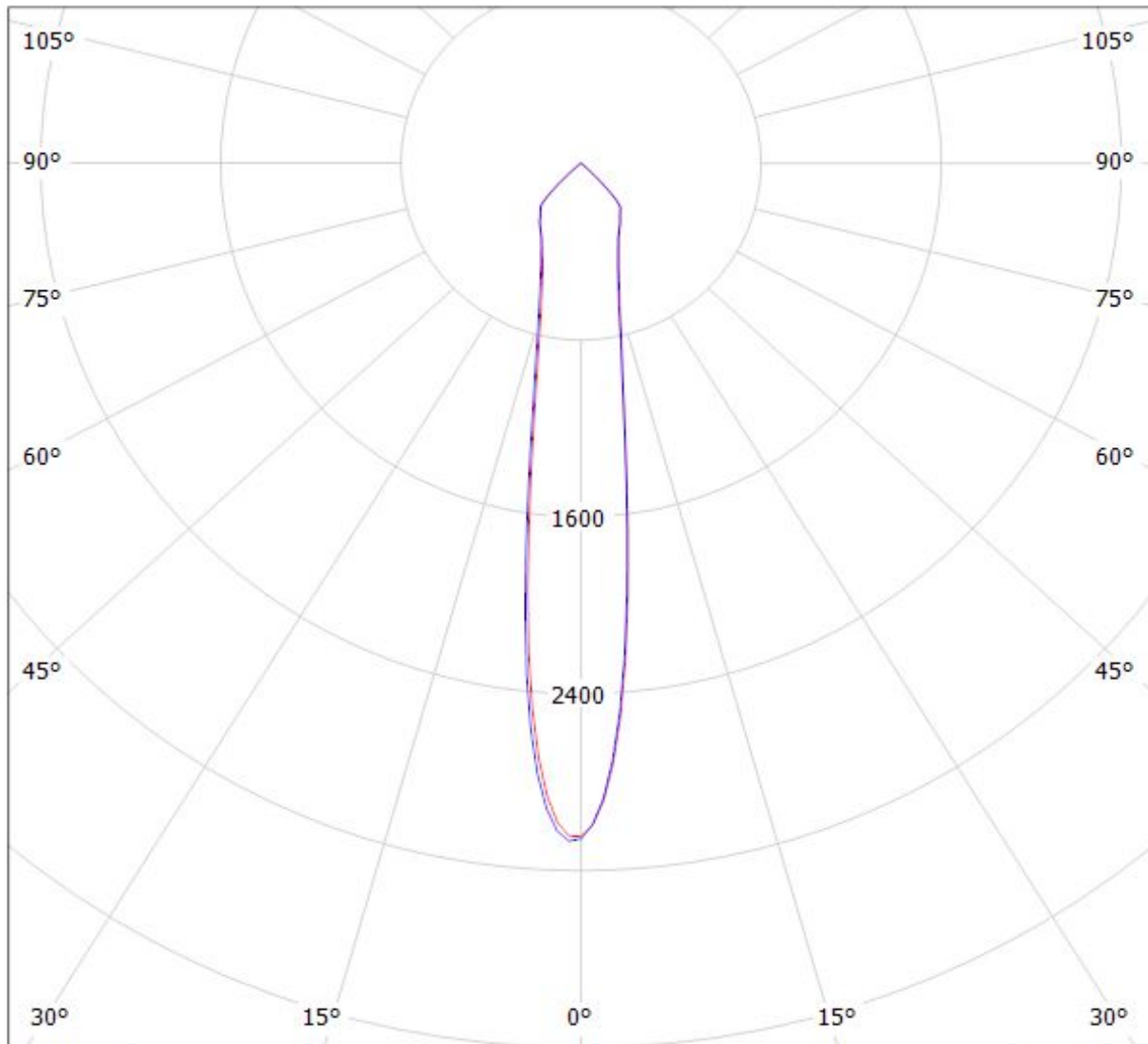
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSBxL121A) Eff.91.2%

Lamps: 1 x NICHIA\_NSBxL121A\_(NSBLL121AE)\_805.561lm@250mA\_CCT=3000K\_P=7.3681W\_I=249.8mA



cd/klm

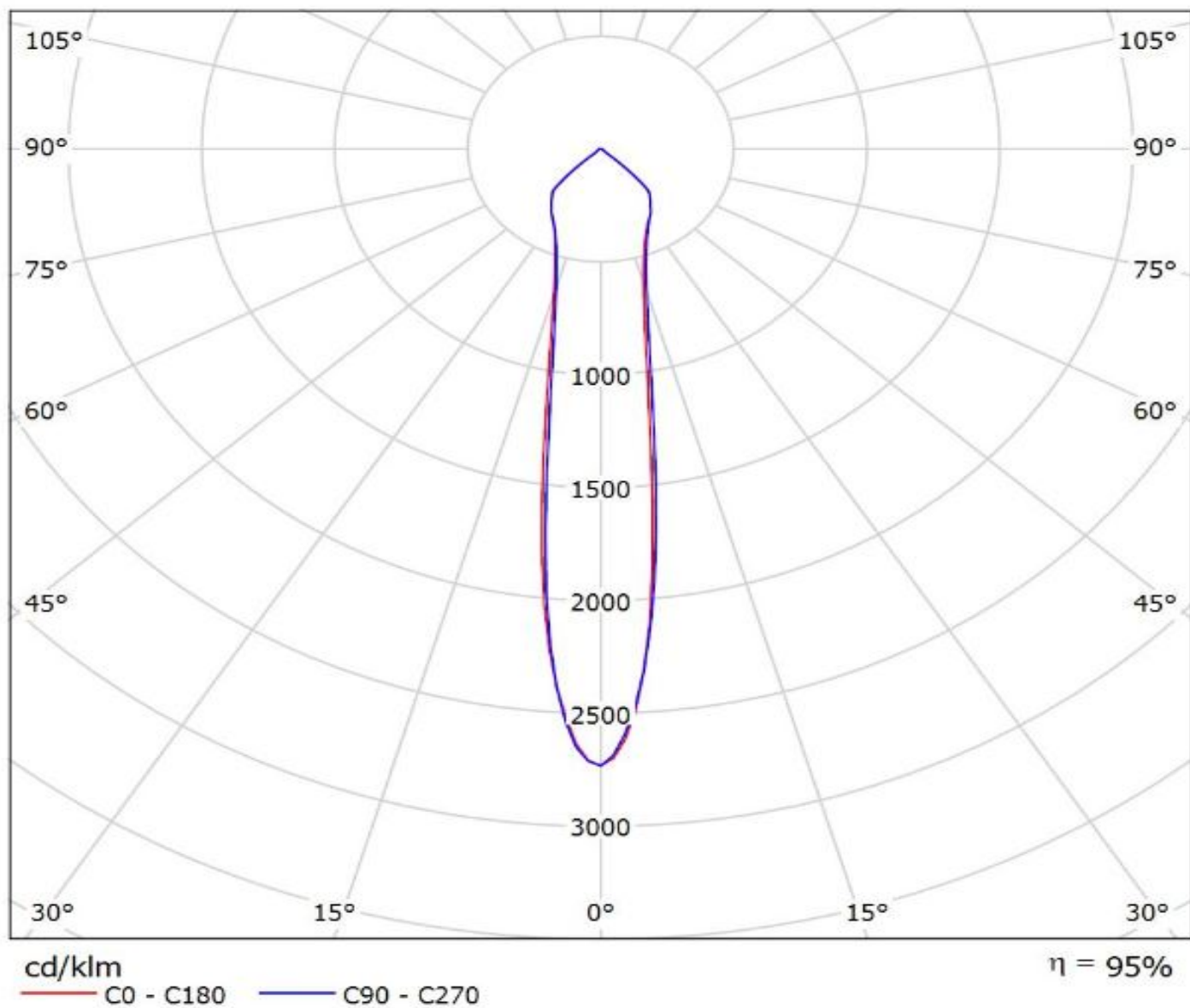
— C0 - C180

— C90 - C270

$\eta = 91\%$

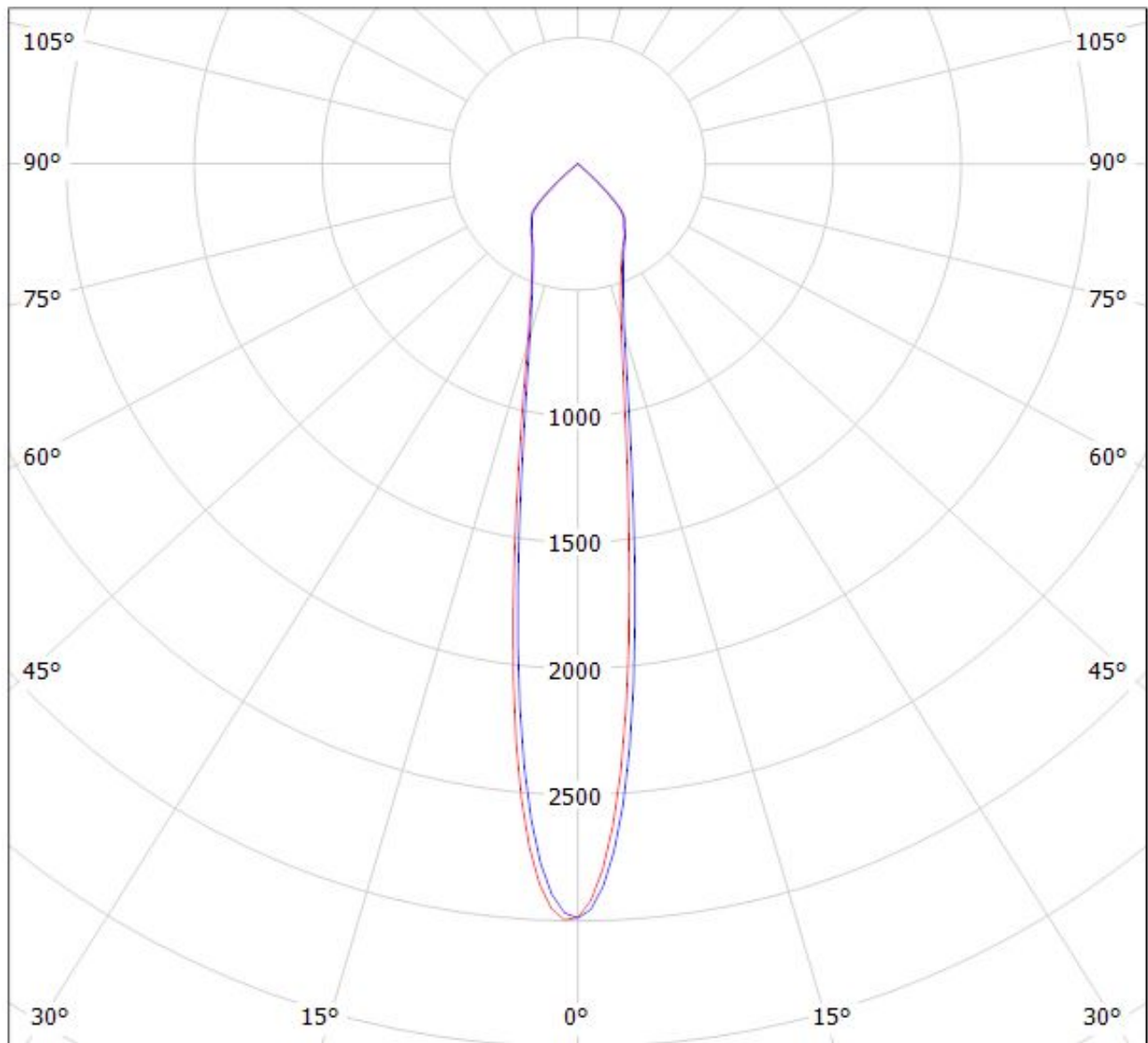
# Ledil F13325\_ANGELINA-S\_(CLU720) / LDC (Polar)

Luminaire: Ledil F13325\_ANGELINA-S\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1340.38lm@250mA\_CCT=2700K\_P=8.35W\_I=0.25A



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

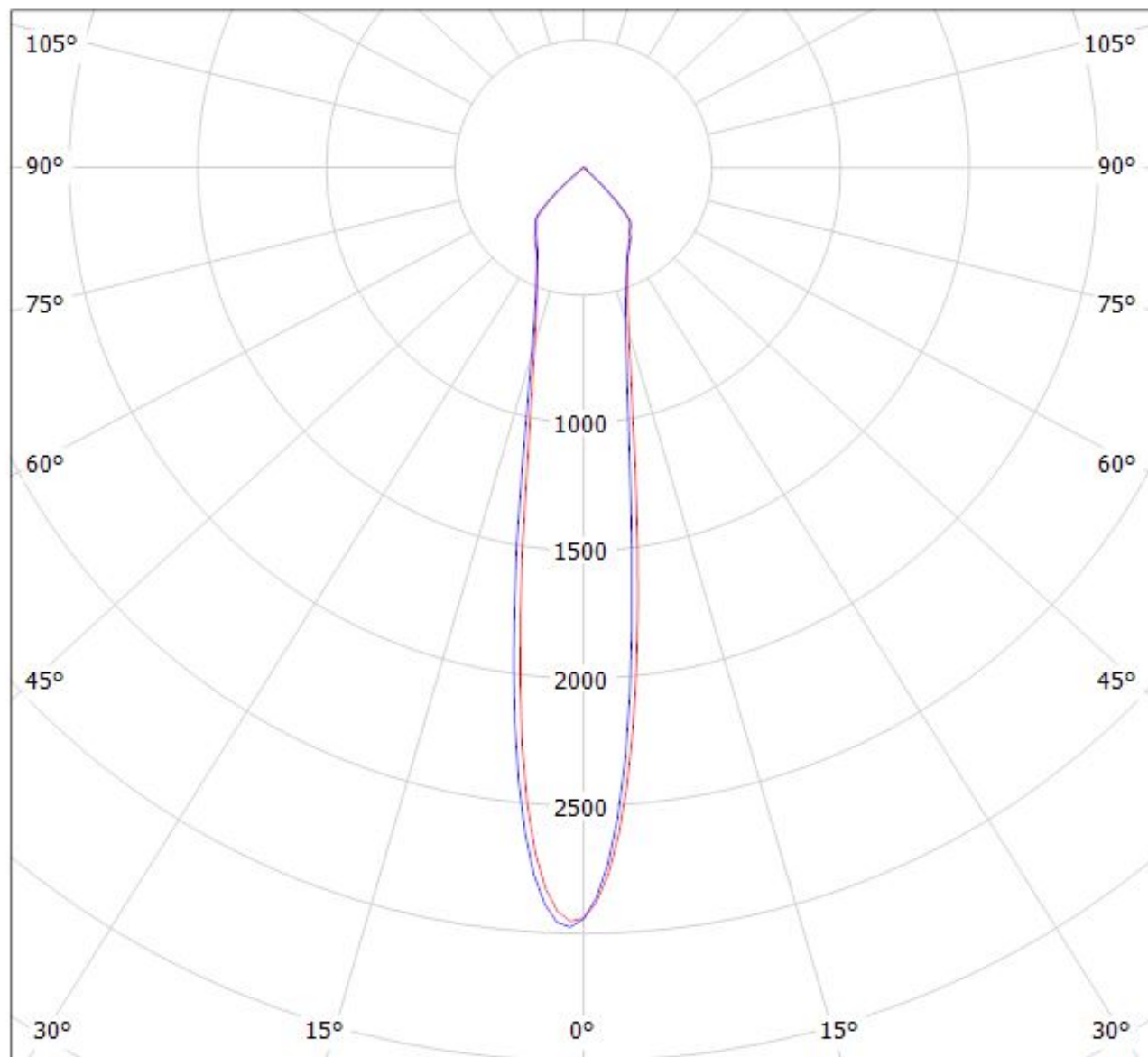
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LUXEON\_COB\_1205) Eff.93.8%

Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1084.49lm@250mA\_CCT=3000K\_P=8.31784W\_I=249.8mA



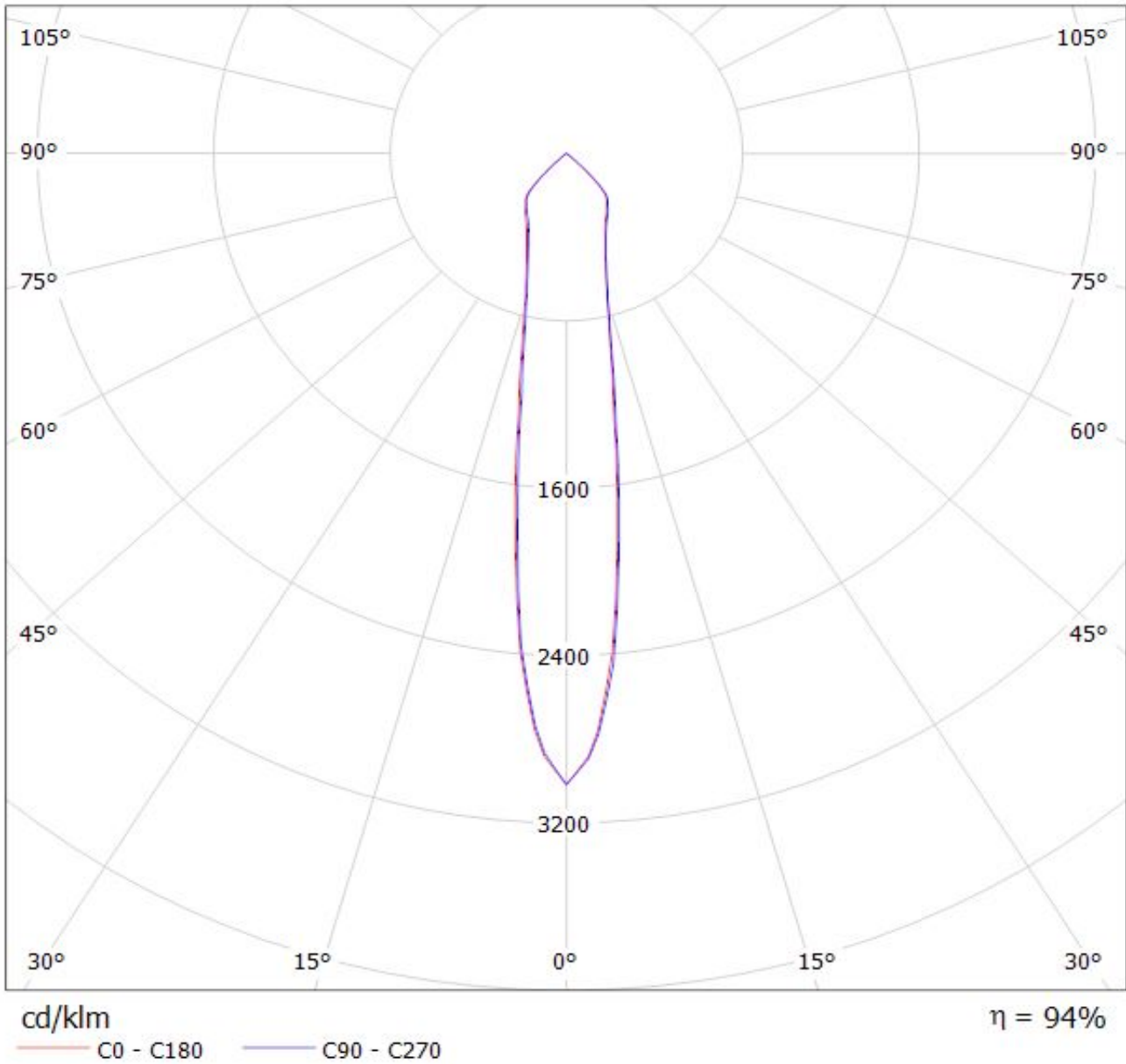
cd/klm

— C0 - C180

— C90 - C270

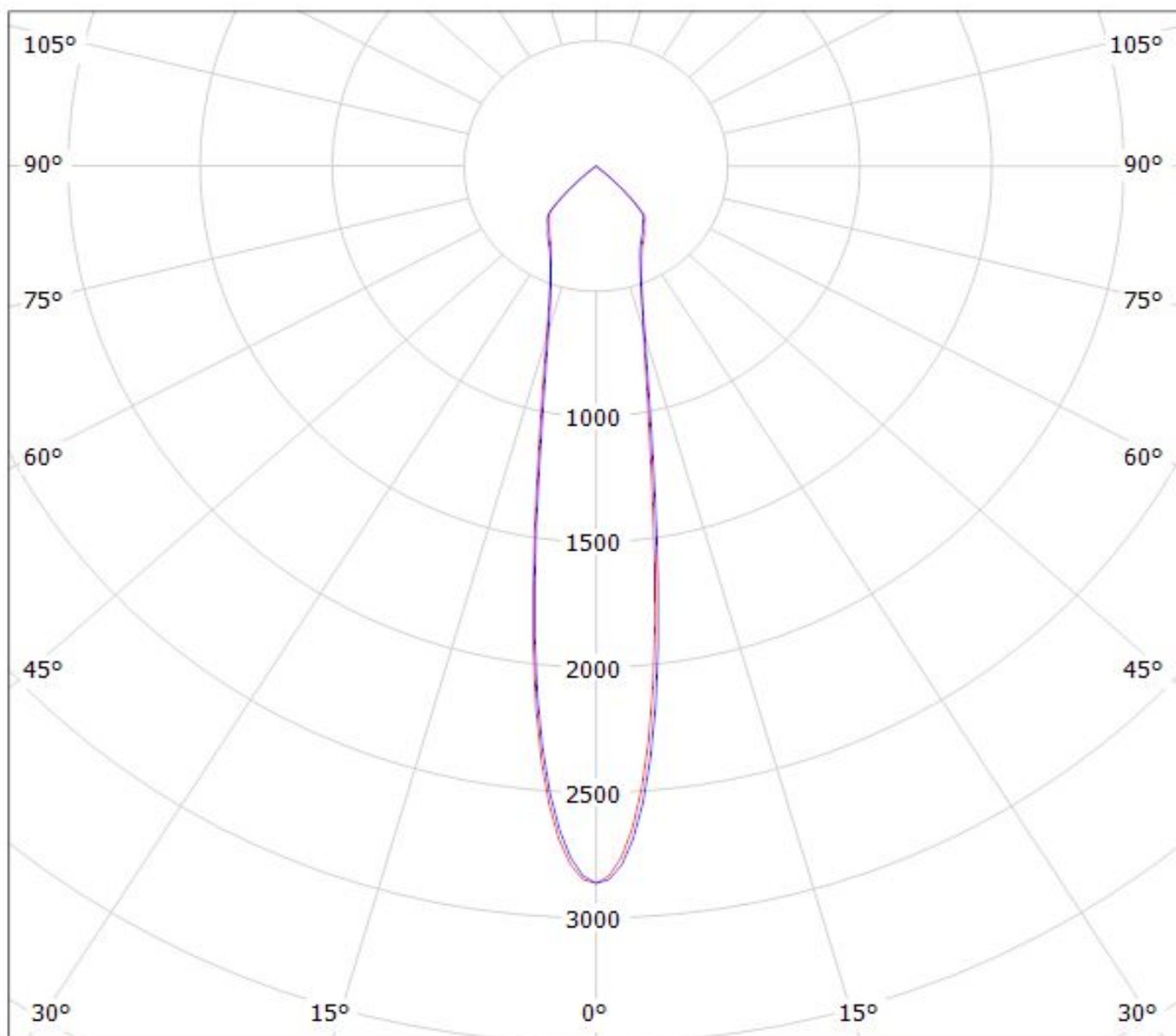
$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LG\_COB-10W) Eff.93.9%  
Lamps: 1 x LG\_COB-10W\_1024lm@250mA\_CCT=5090K\_P=9W\_I=250mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L13 G4)

Lamps: 1 x Fortimo LED SLM L13 G4\_1030.19lm@250mA\_P=8.38104W\_I=0.2498A



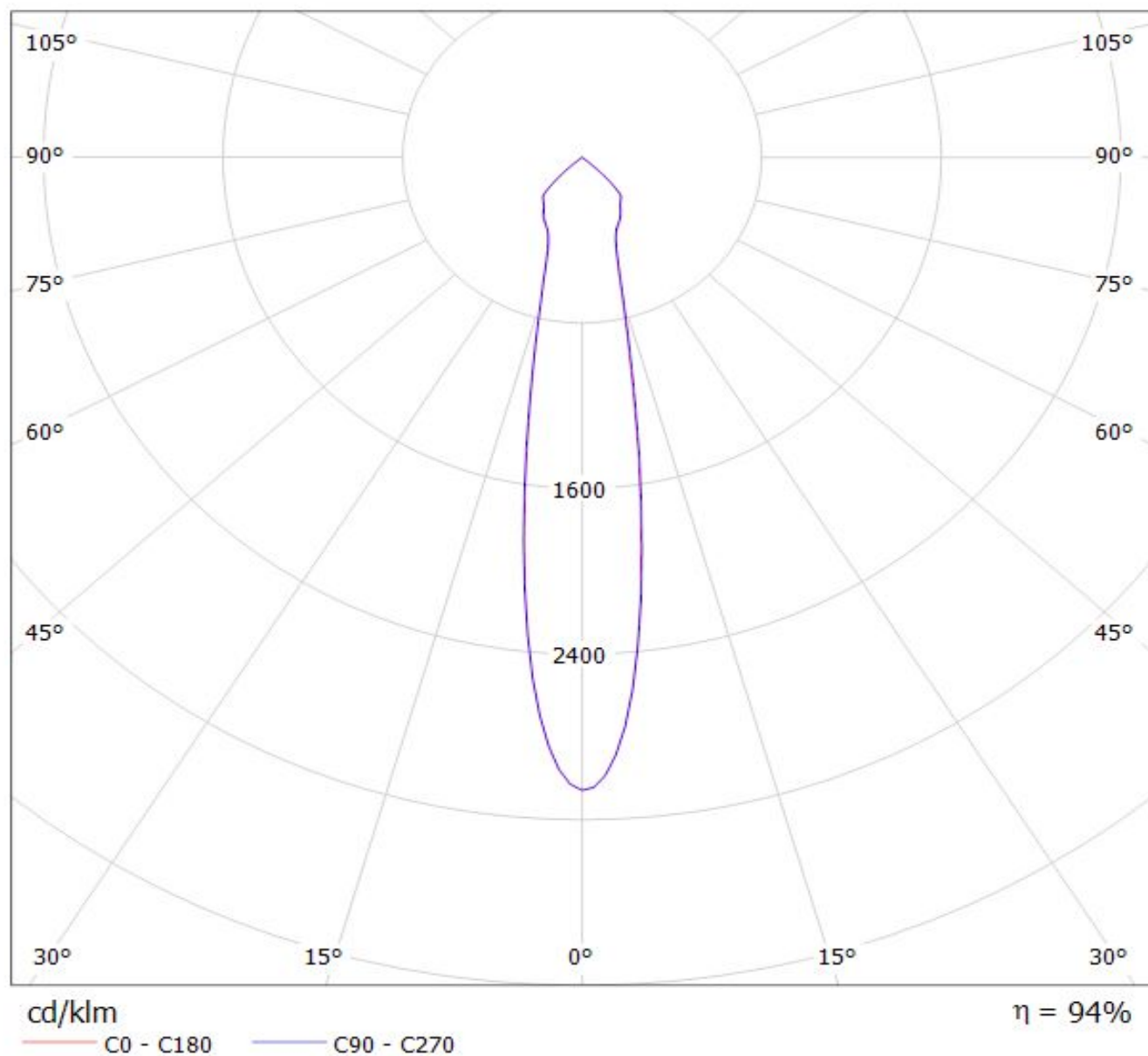
cd/klm

— C0 - C180

— C90 - C270

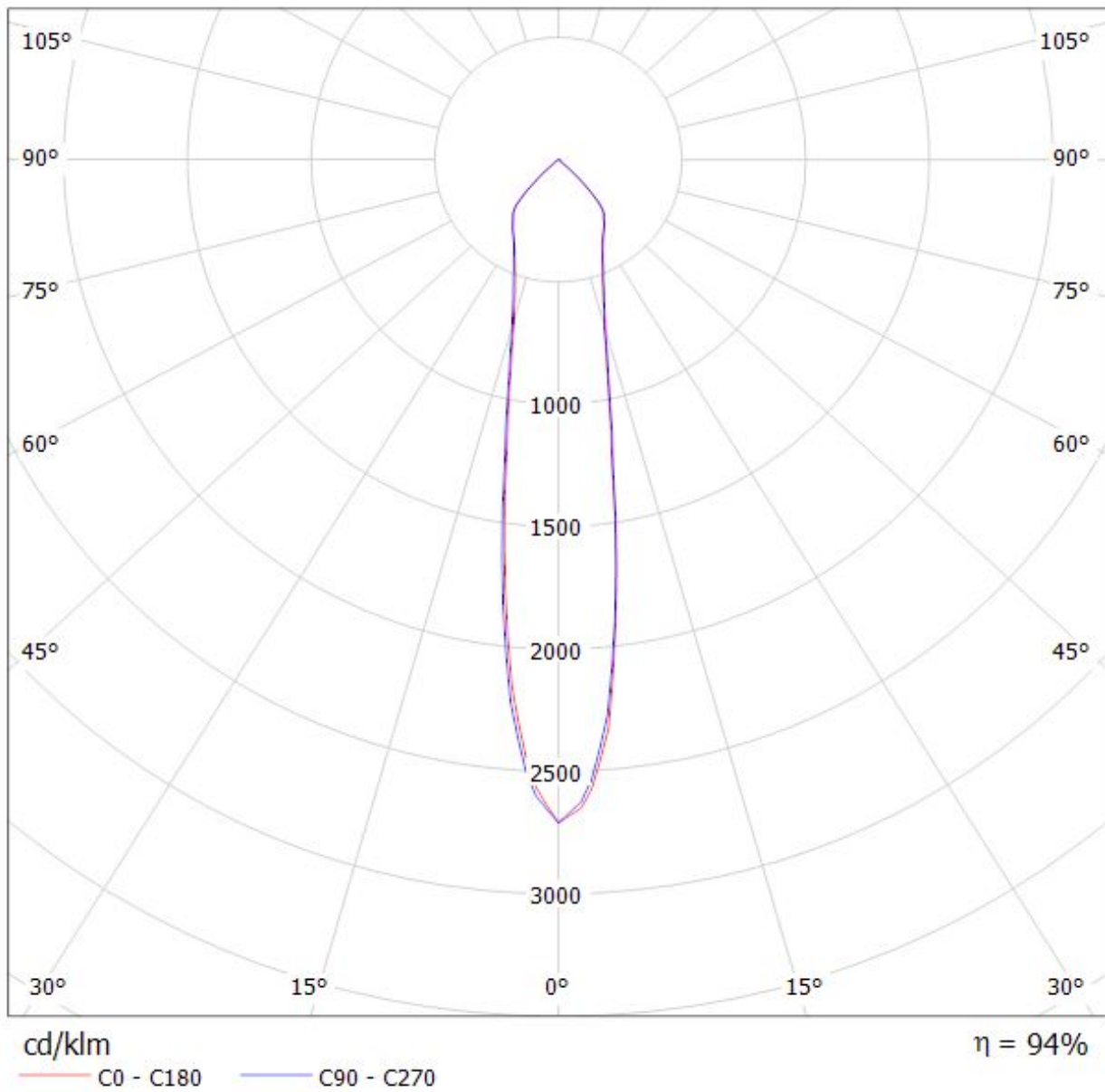
$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LUXEON CoB 1205) Eff: 94 %  
Lamps: 1 x LUXEON CoB 1205 (LHC1-3080-1205) 1082lm@250mA CCT=3000K P=8.3W I=250mA



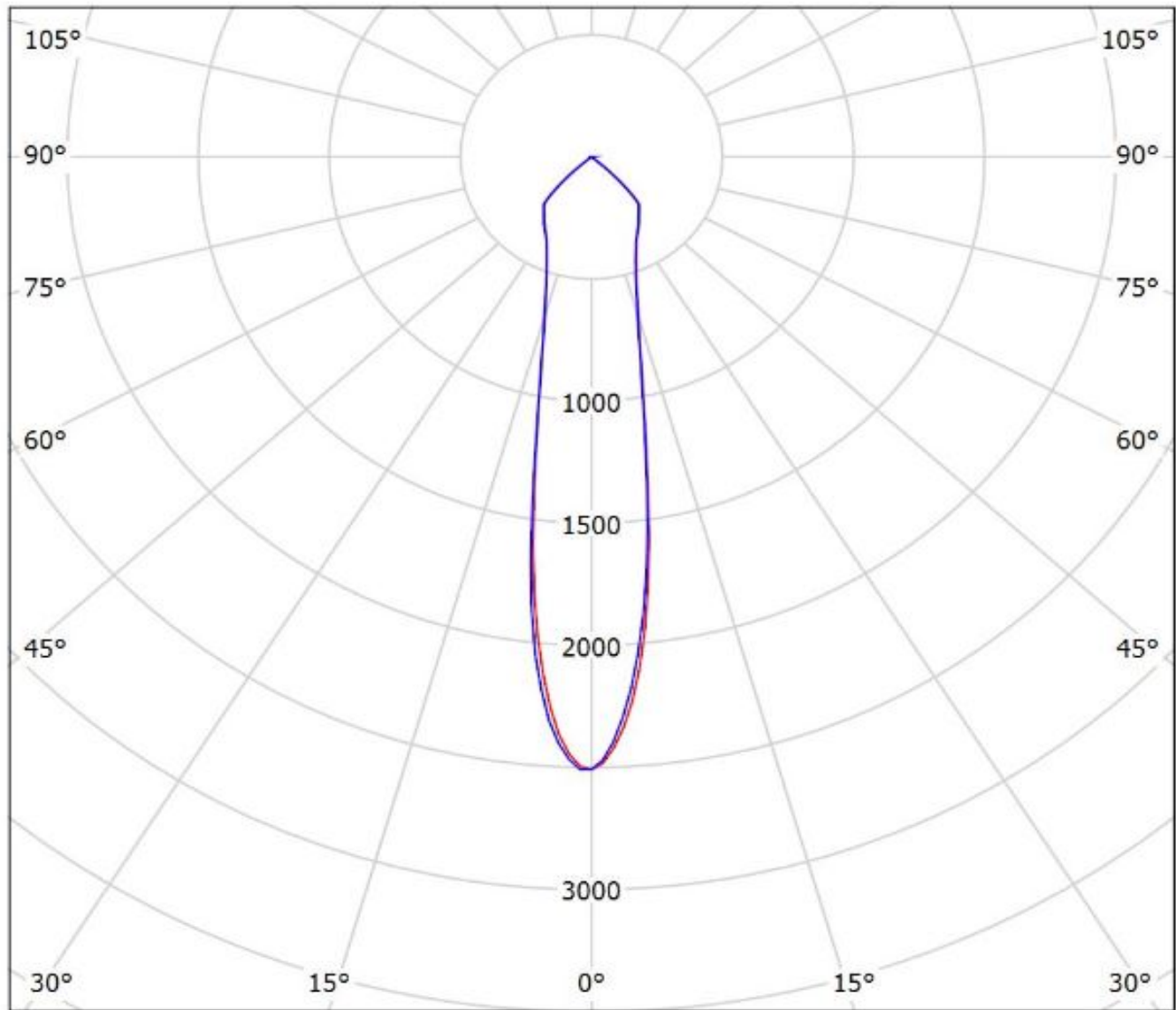
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CLL030) Eff.93.6%

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7)\_758.588lm@250mA\_CCT=5090K\_P=8.61086W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SOLERIQ\_P13)

Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1038.25lm@250mA\_CCT=3000K\_P=8.77223W\_I=249.8mA



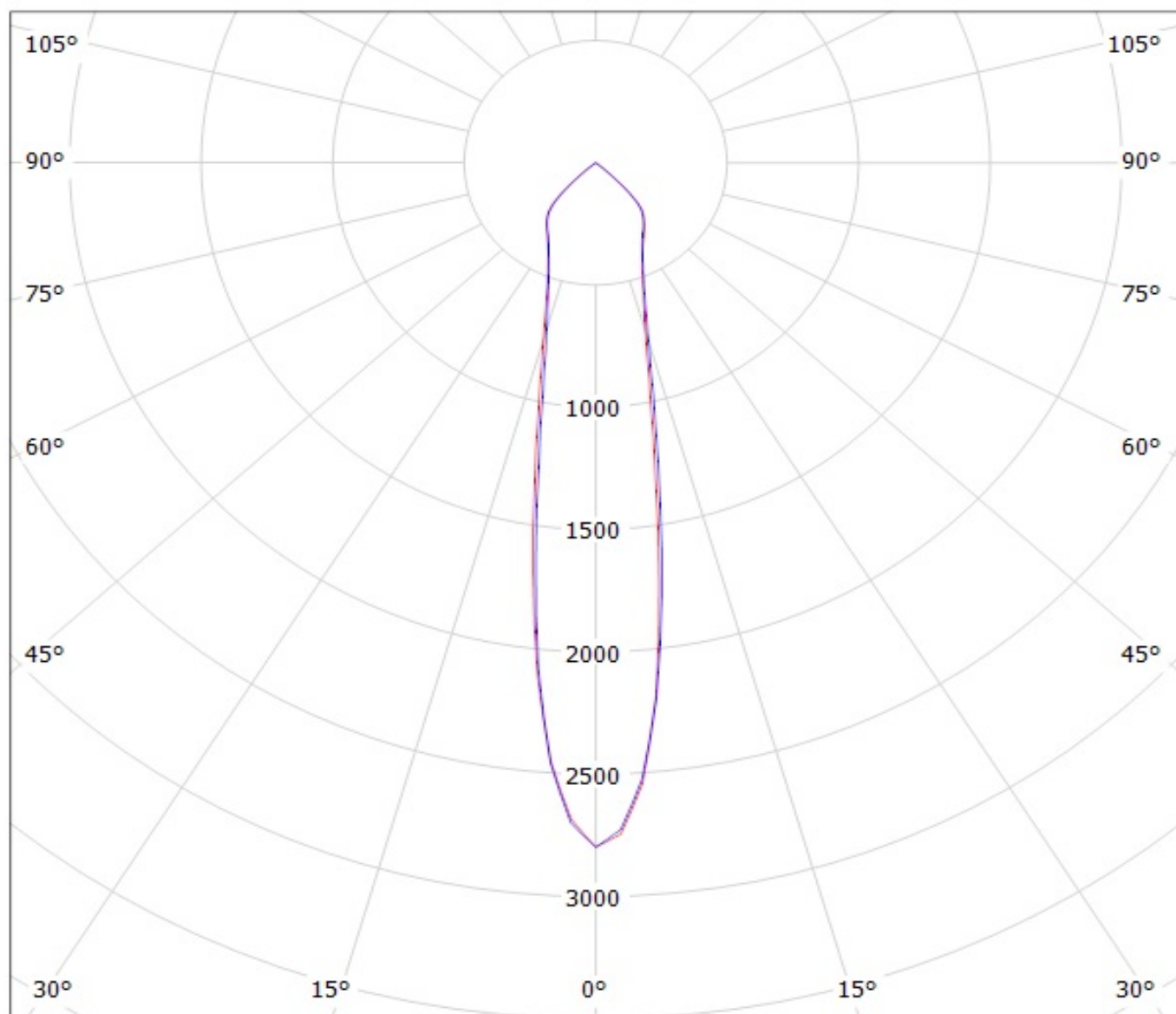
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDil OY F13325\_ANGELINA-S\_(Soleriq\_S13) Efficiency=94%

Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA



cd/klm

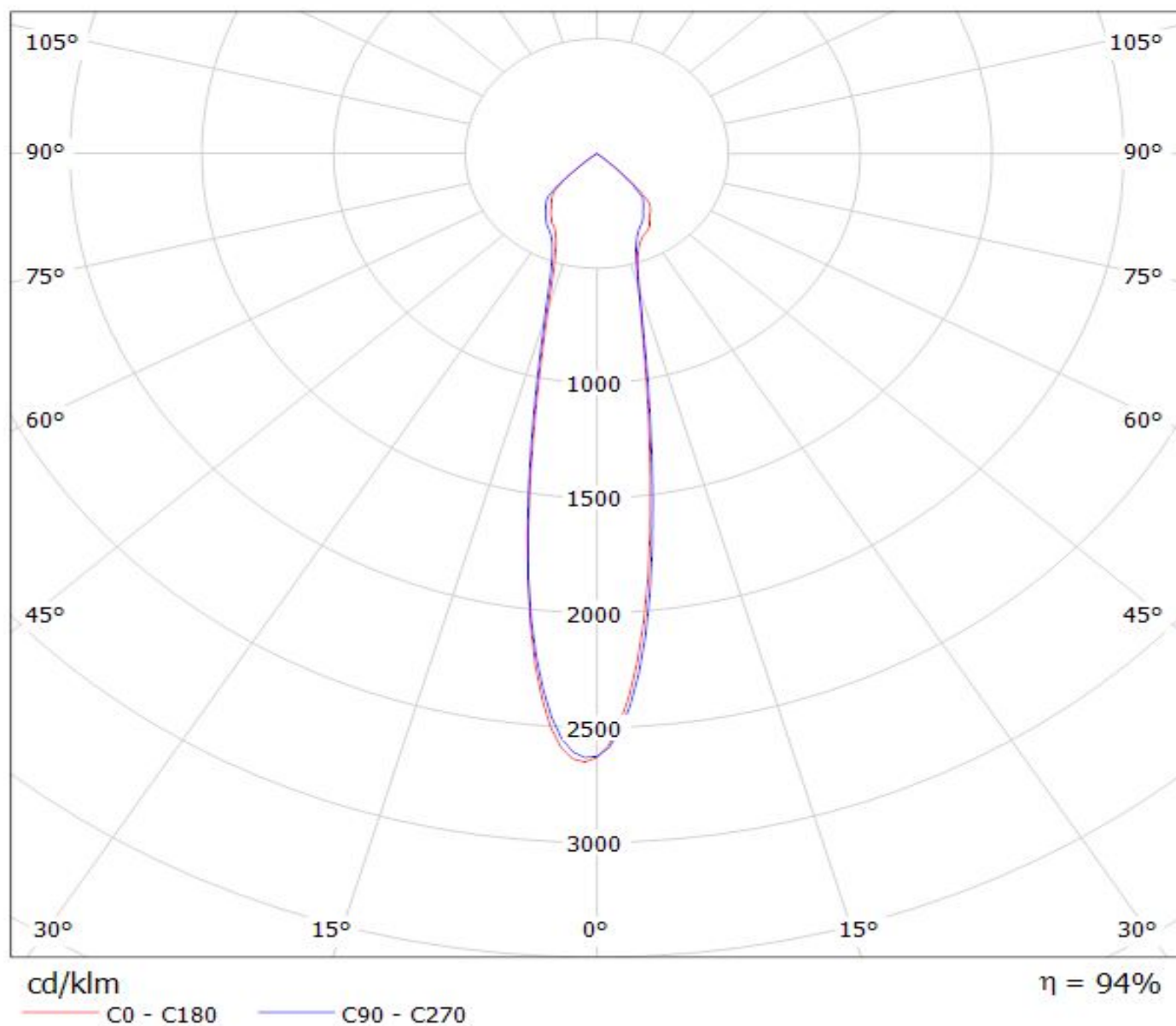
— C0 - C180

— C90 - C270

# LEDiL Oy C13325\_ANGELINA-S\_(LUXEON\_K12) Eff.94.3% / LDC (Polar)

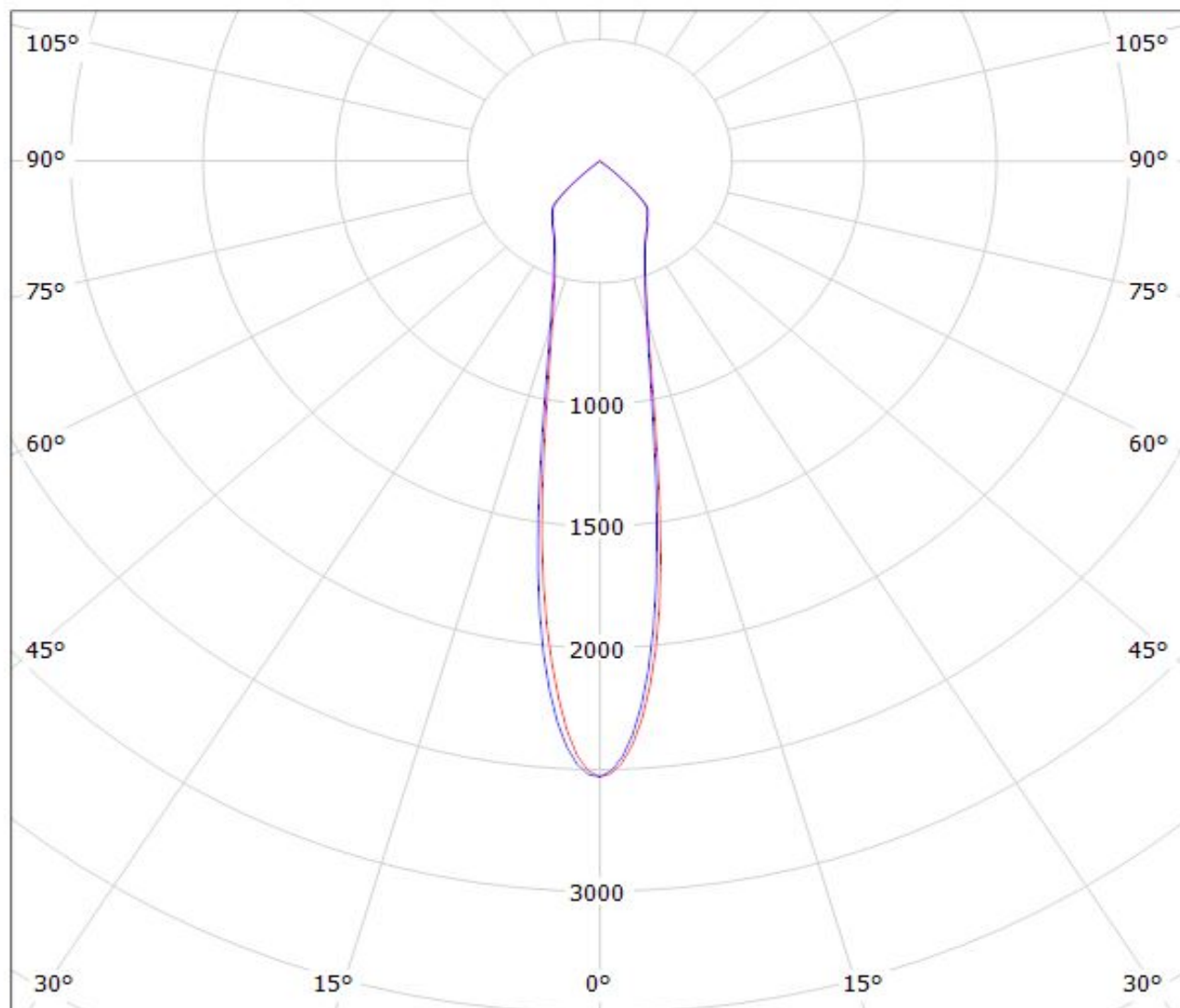
Luminaire: LEDiL Oy C13325\_ANGELINA-S\_(LUXEON\_K12) Eff.94.3%

Lamps: 1 x LUXEON\_K12 (929.543lm@250mA)



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXM-14)

Lamps: 1 x LUMINUS\_CXM-14\_1114.36lm@250mA\_P=8.36106W\_I=249.8mA



cd/klm

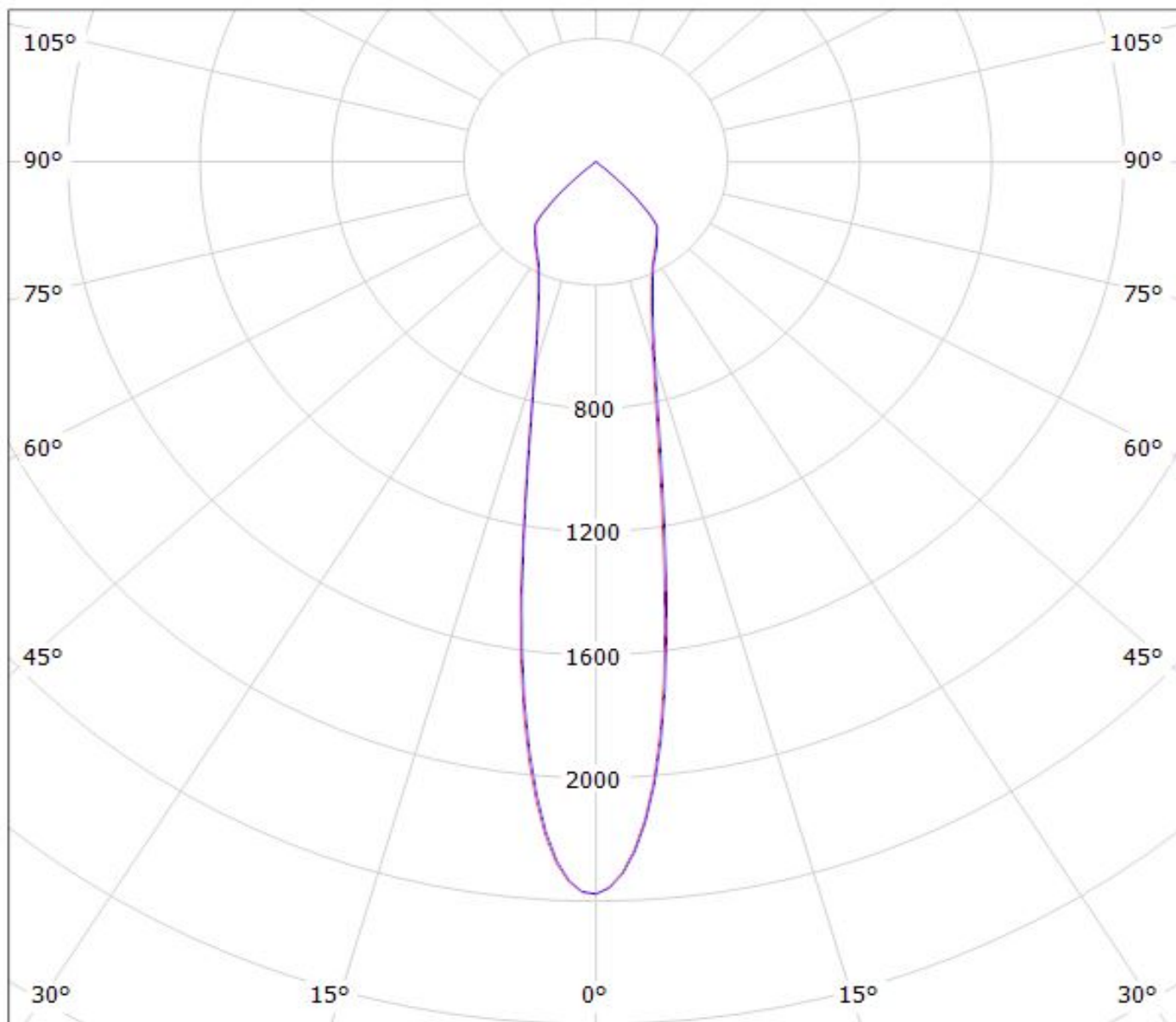
$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L15 G4)

Lamps: 1 x Fortimo LED SLM L15 G4\_1116.47lm@250mA\_P=8.21168W\_I=0.2498A



cd/klm

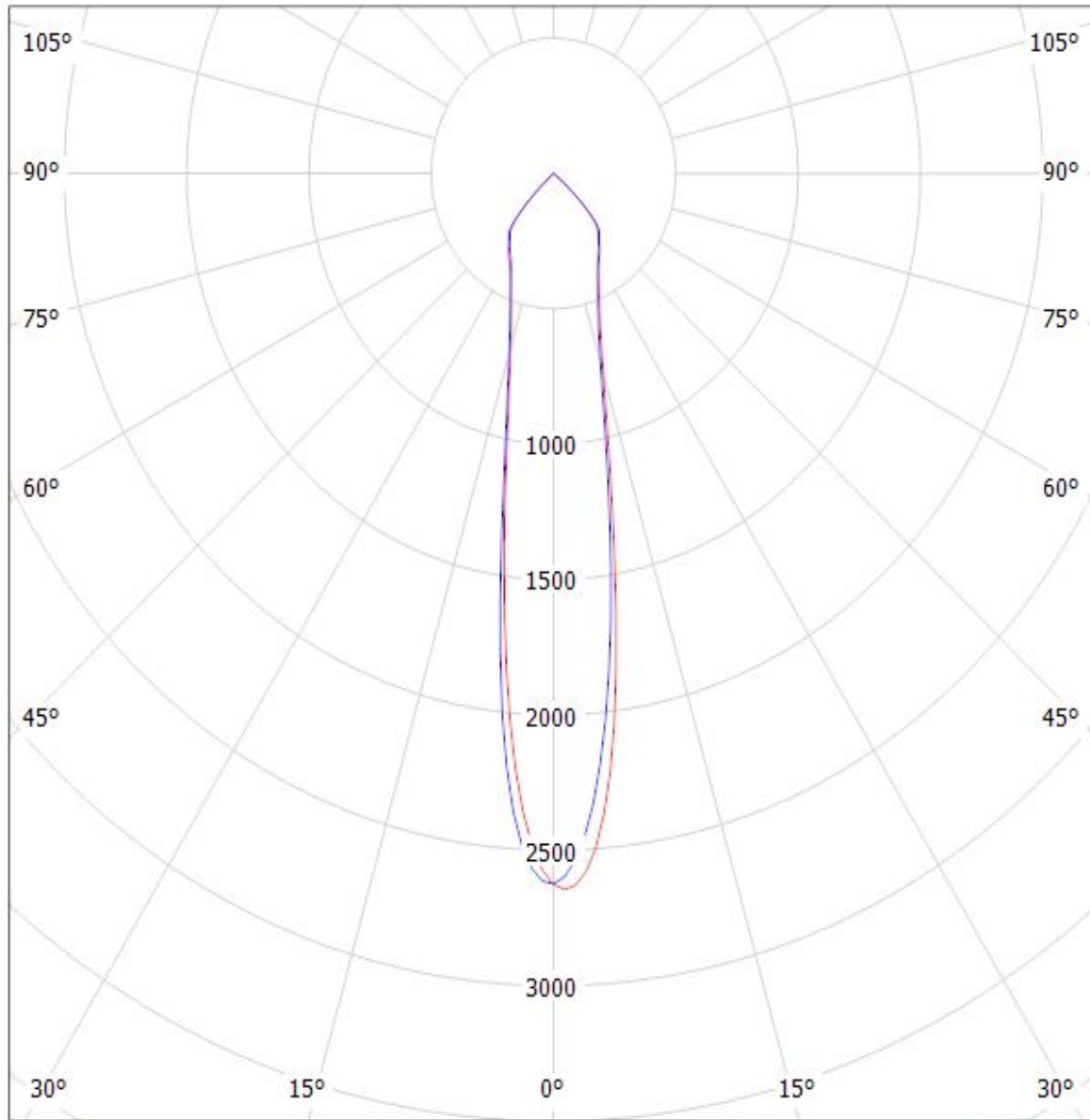
η = 93%

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(MEGAZENIGATA) Eff.93.7%

Lamps: 1 x SHARP\_MEGAZENIGATA\_(GW6DME30NFC)\_1238.26lm@250mA\_CCT=3000K\_P=11.1211W\_I=249.8mA



cd/klm

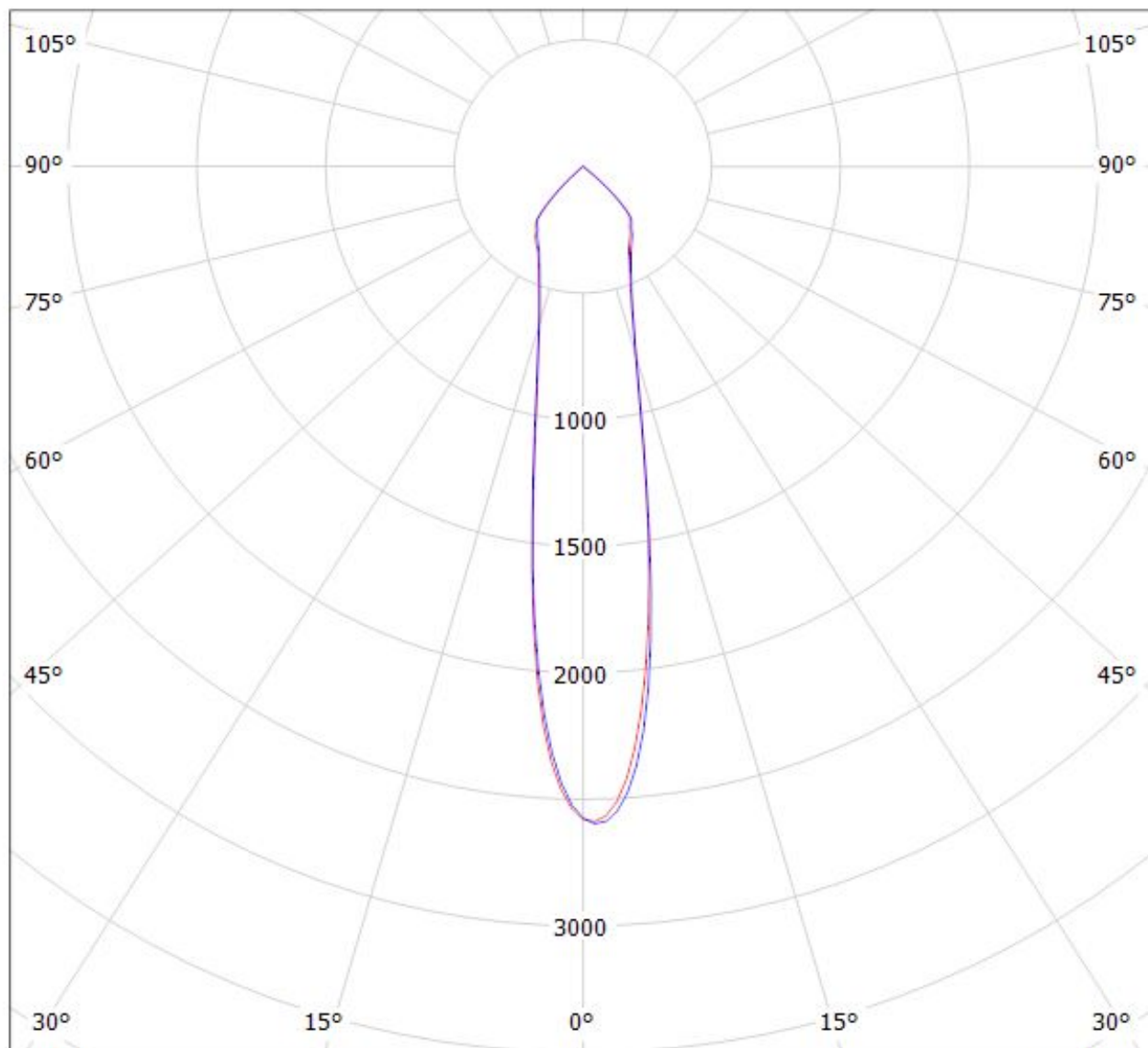
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LUXEON\_COB\_1208) Eff.93.8%

Lamps: 1 x LUXEON\_COB\_1208\_(LHC1-3080-1208)\_1015.13lm@250mA\_CCT=3000K\_P=8.15972W\_I=249.8mA

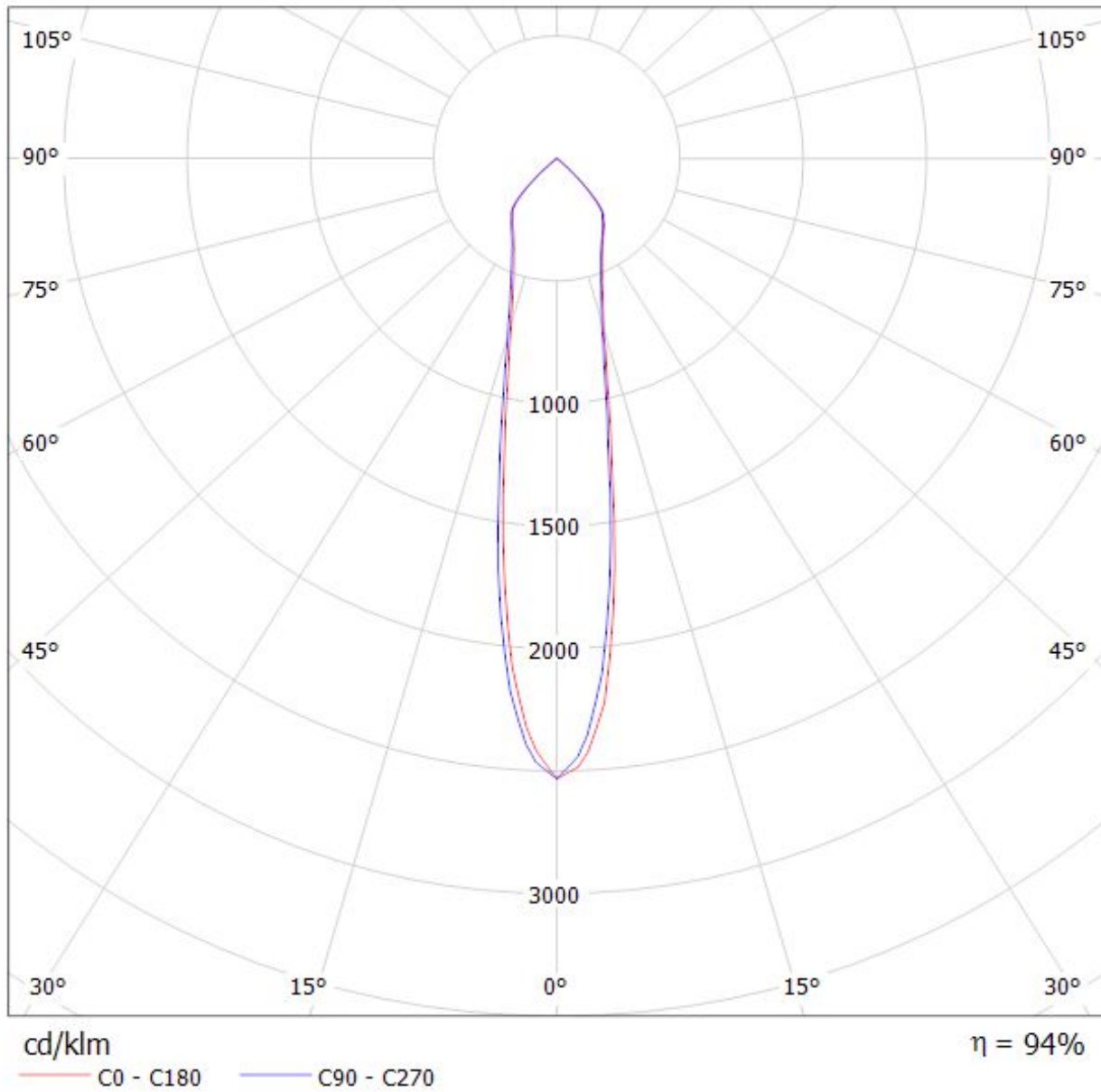


cd/klm

$\eta = 94\%$

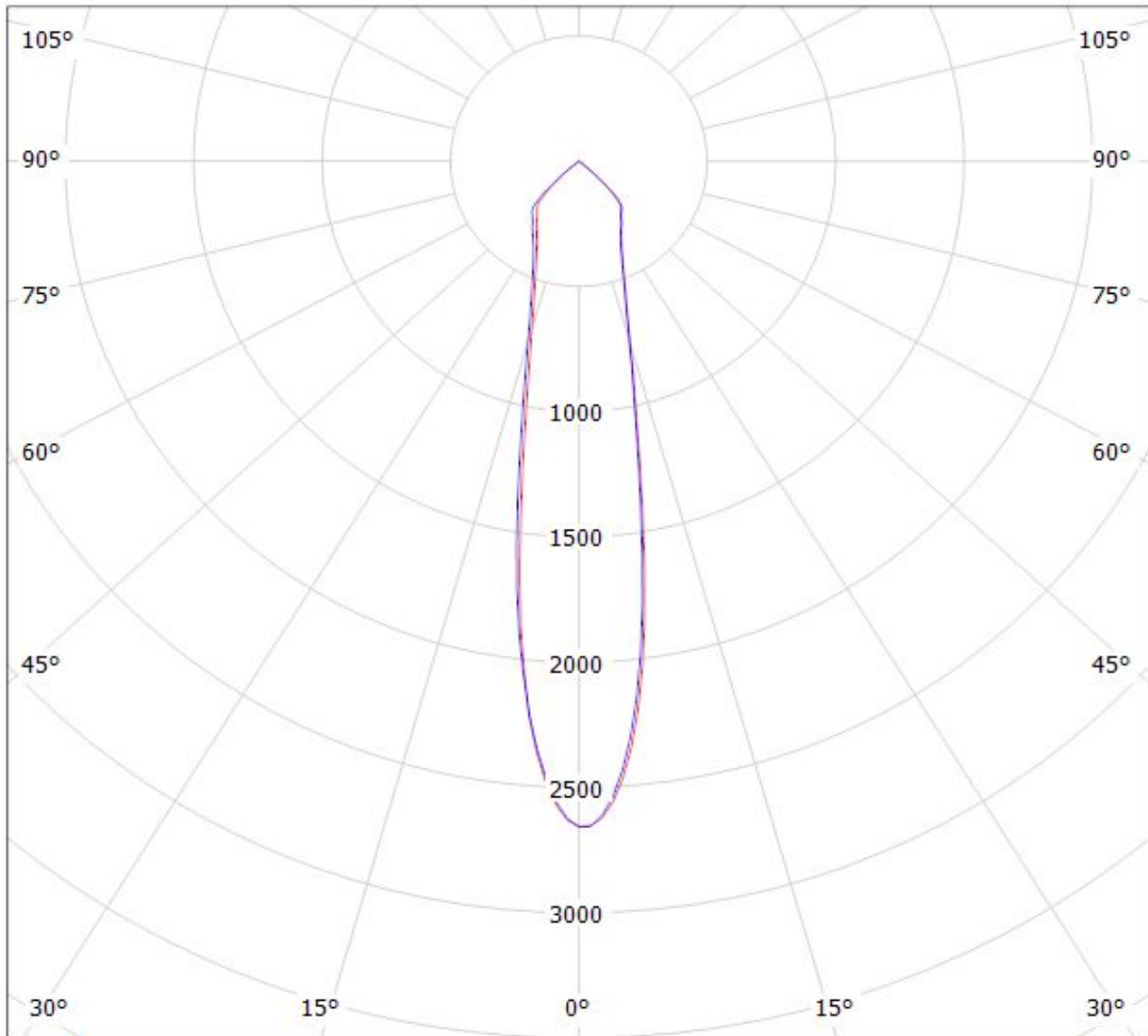
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSCxJ216A) Eff.94.0%  
Lamps: 1 x NICHIA\_NSCxJ216A\_(NSCLJ216AE)\_971.7lm@250mA\_CCT=3000K\_P=7.96937W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-461-827)

Lamps: 1 x Vossloh\_WU-M-461-827\_771.829lm@250mA\_P=6.26998W\_I=249.8mA



cd/klm

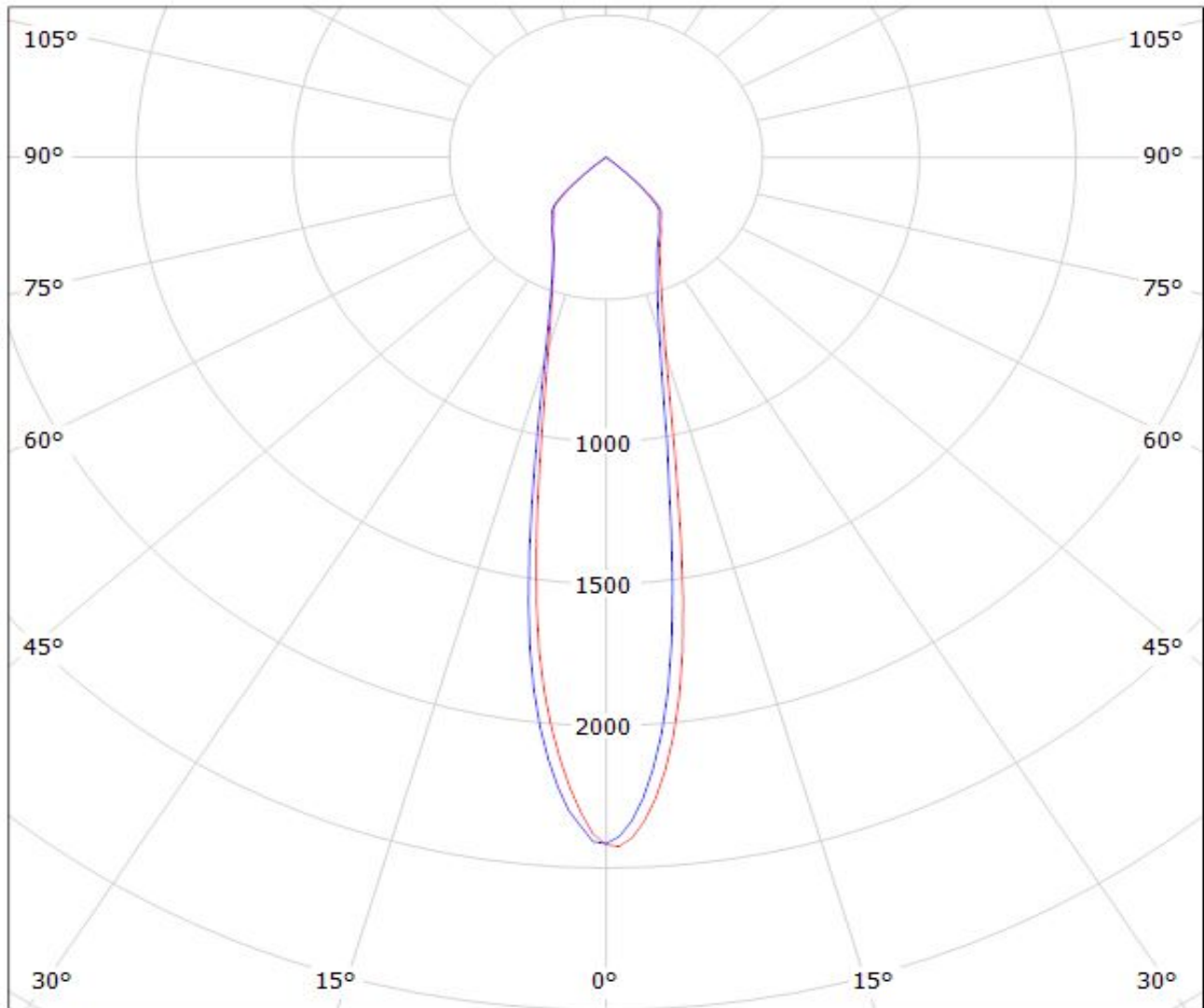
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-484)

Lamps: 1 x Vossloh\_Schwabe-WU-M-484\_(WU-M-484-830)\_657.721lm@250mA\_P=5.59451W\_I=249.9mA



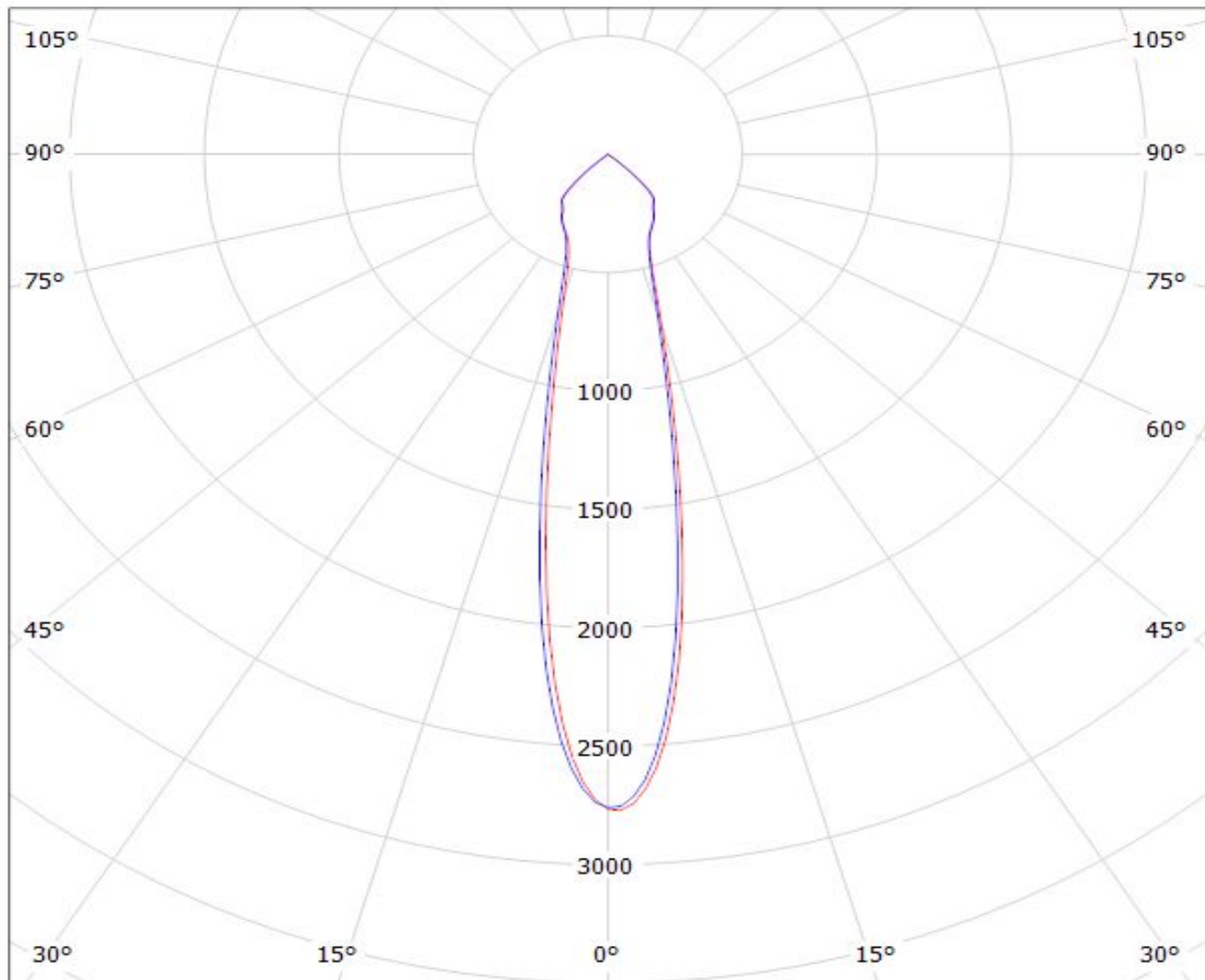
cd/klm

$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(MegaZenigata) Eff.92.3%  
Lamps: 1 x MegaZenigata\_GW6DME (518.495lm@100mA)



cd/klm

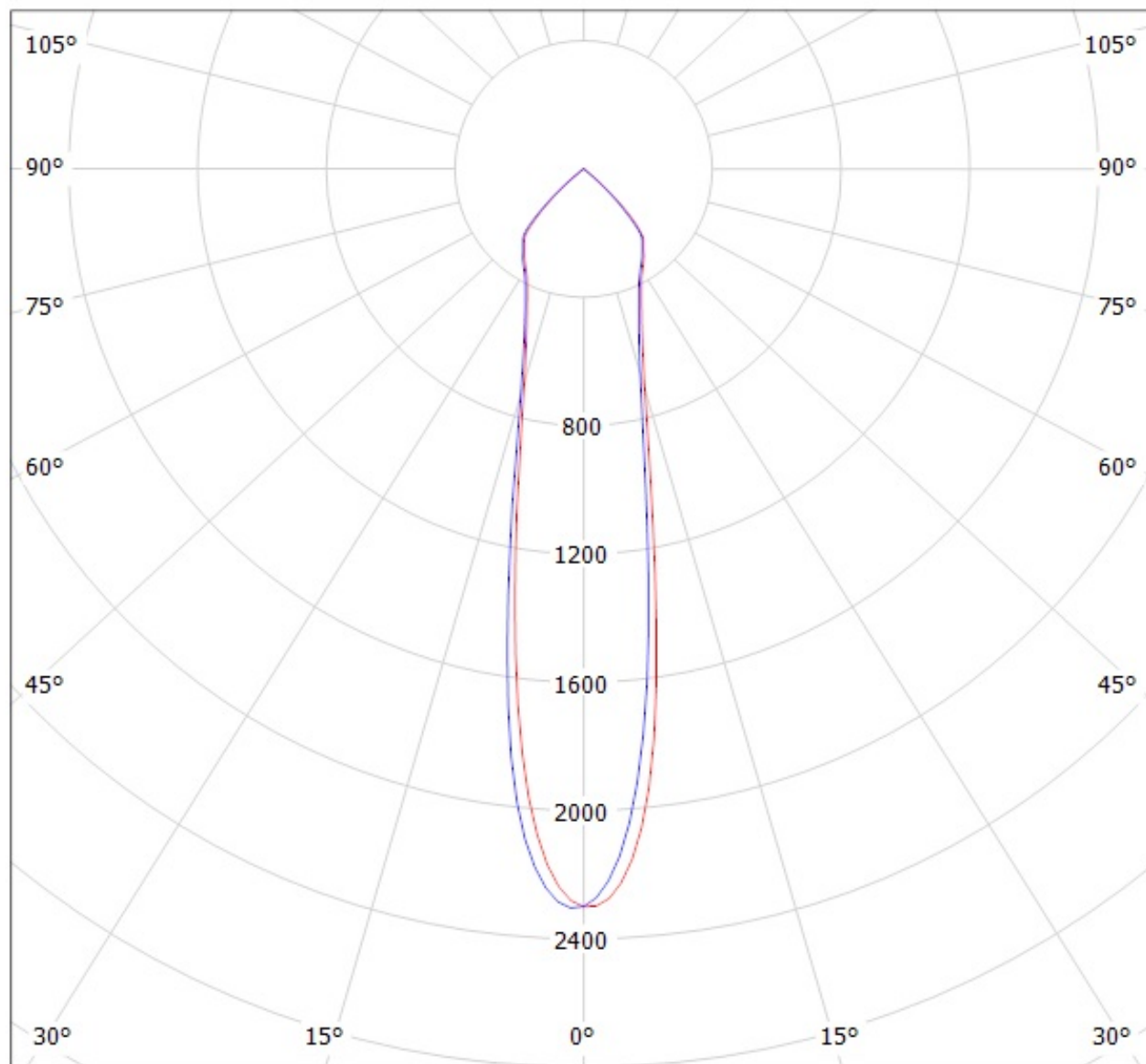
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_Z4) Eff:94%

Lamps: 1 x Osram\_PrevaLED\_CORE\_Z4\_(PL-CORE-3000-830-Z4)\_1423.93lm@250mA\_P=10.7652W\_I=249.9mA



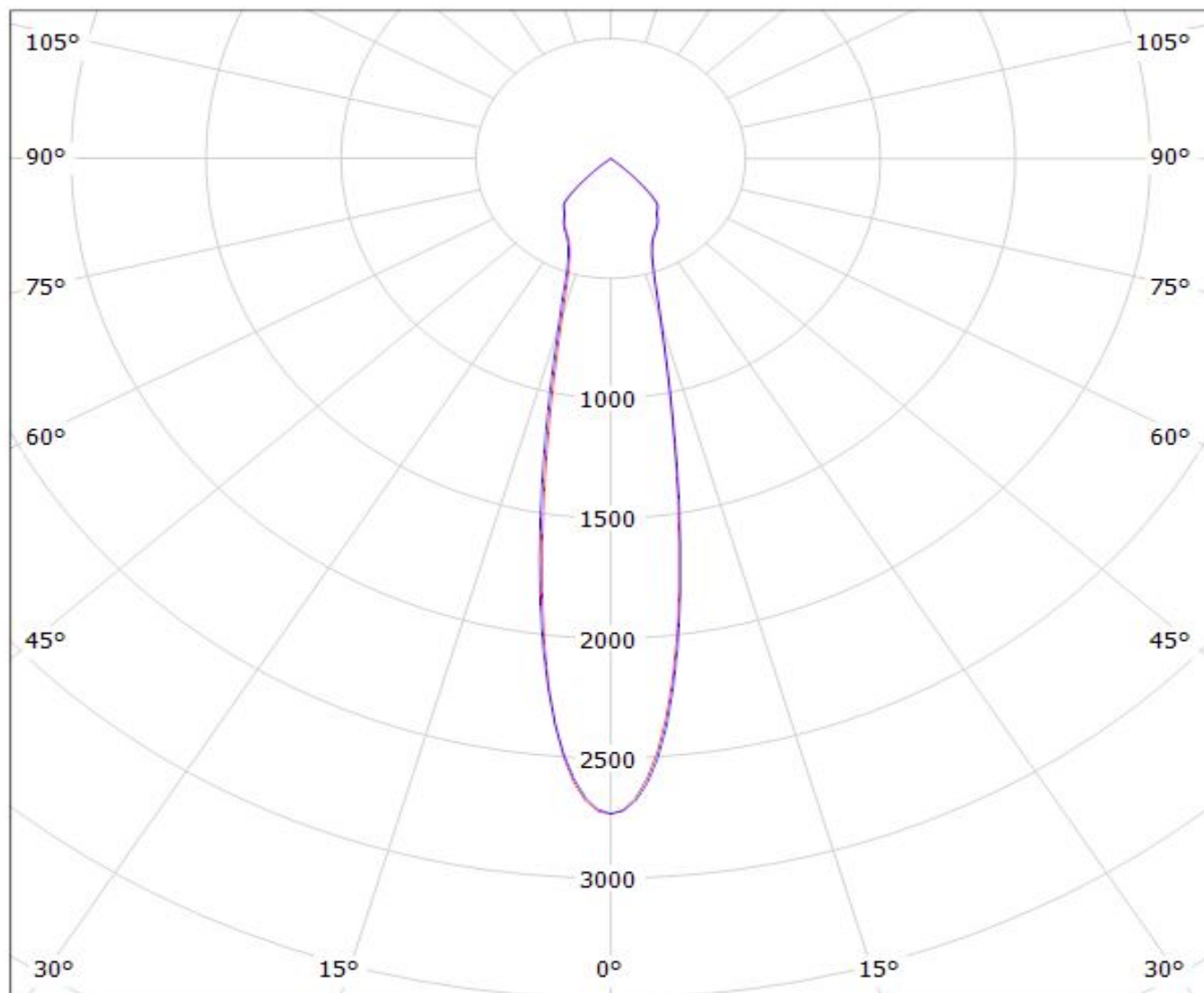
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Luxeon-Cob-1208) Eff. 93 %  
Lamps: 1 x Luxeon CoB 1208 (LHC1-3080-1208) 1029lm@250mA CCT=3000K P=8.2W I=250mA

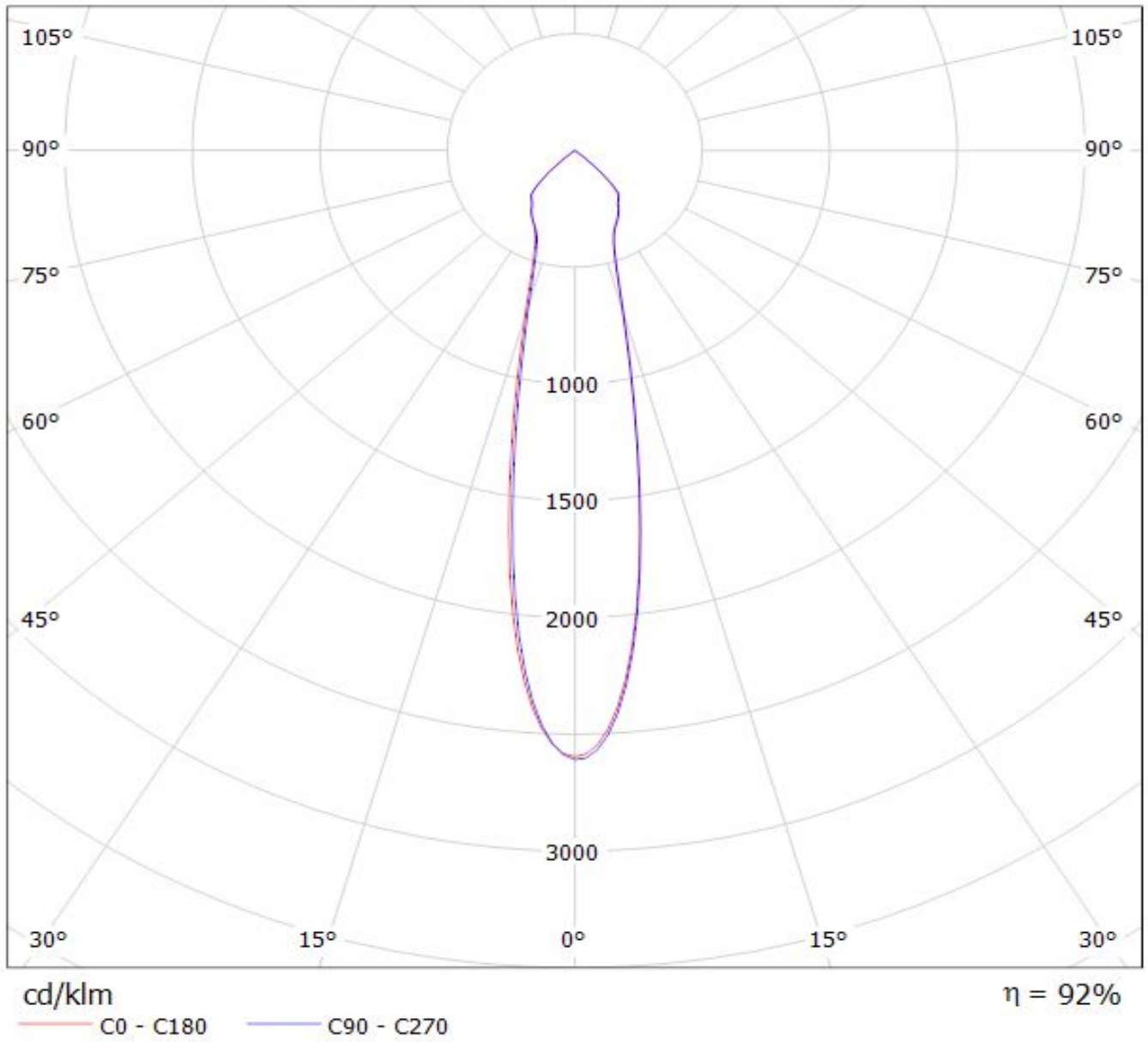


cd/klm

— C0 - C180 — C90 - C270

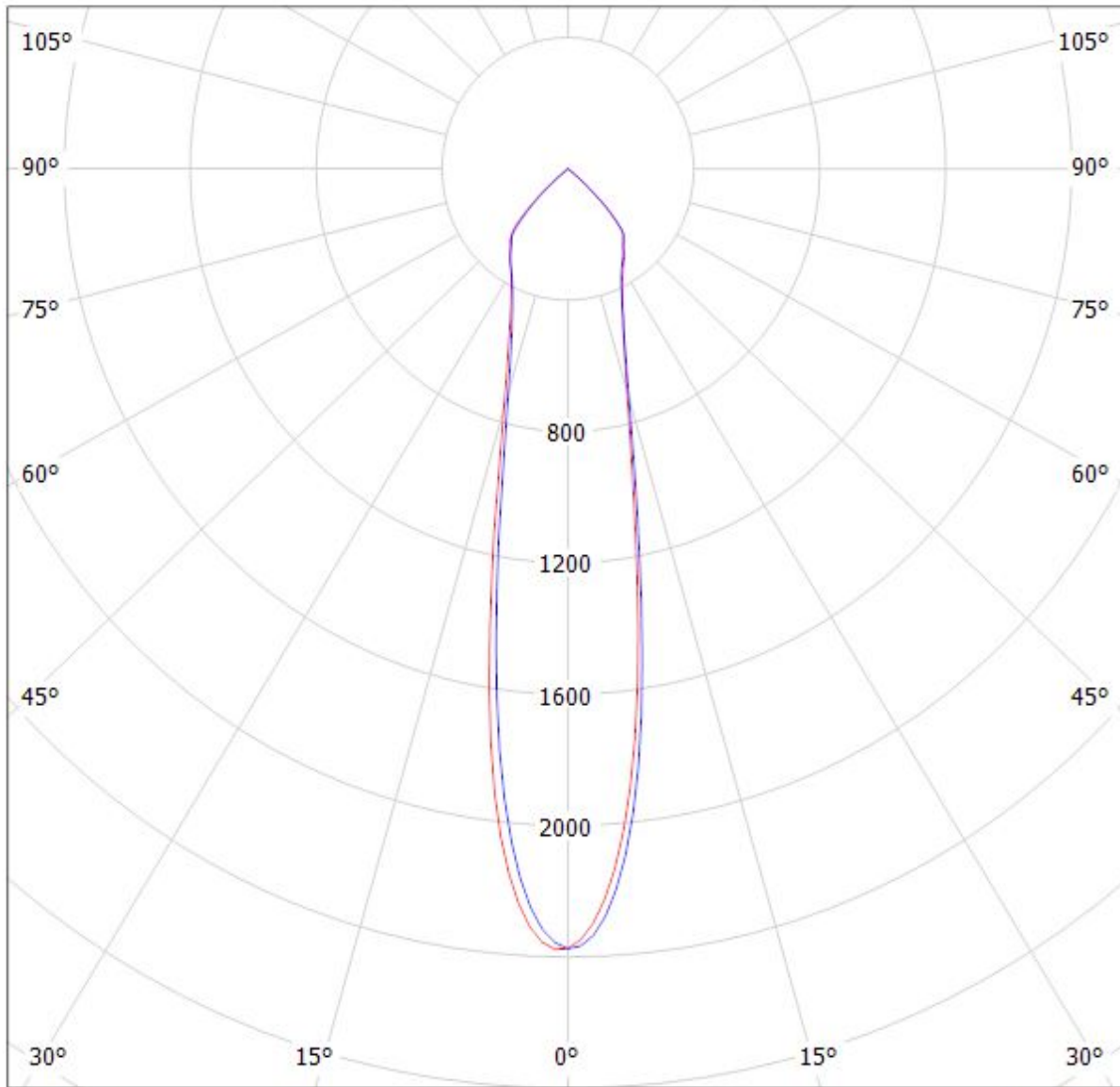
$\eta = 93\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES19) Eff.92.2%  
Lamps: 1 x TRIDONIC STARK SLE G2 LES19 830 CLA 964.643lm@250mA CCT=3000K P=8W I=250mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SOLERIQ\_S19 & TE\_2213407-2)

Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)\_1385.15lm@250mA\_CCT=3000K\_P=10.5613W\_I=249.8mA



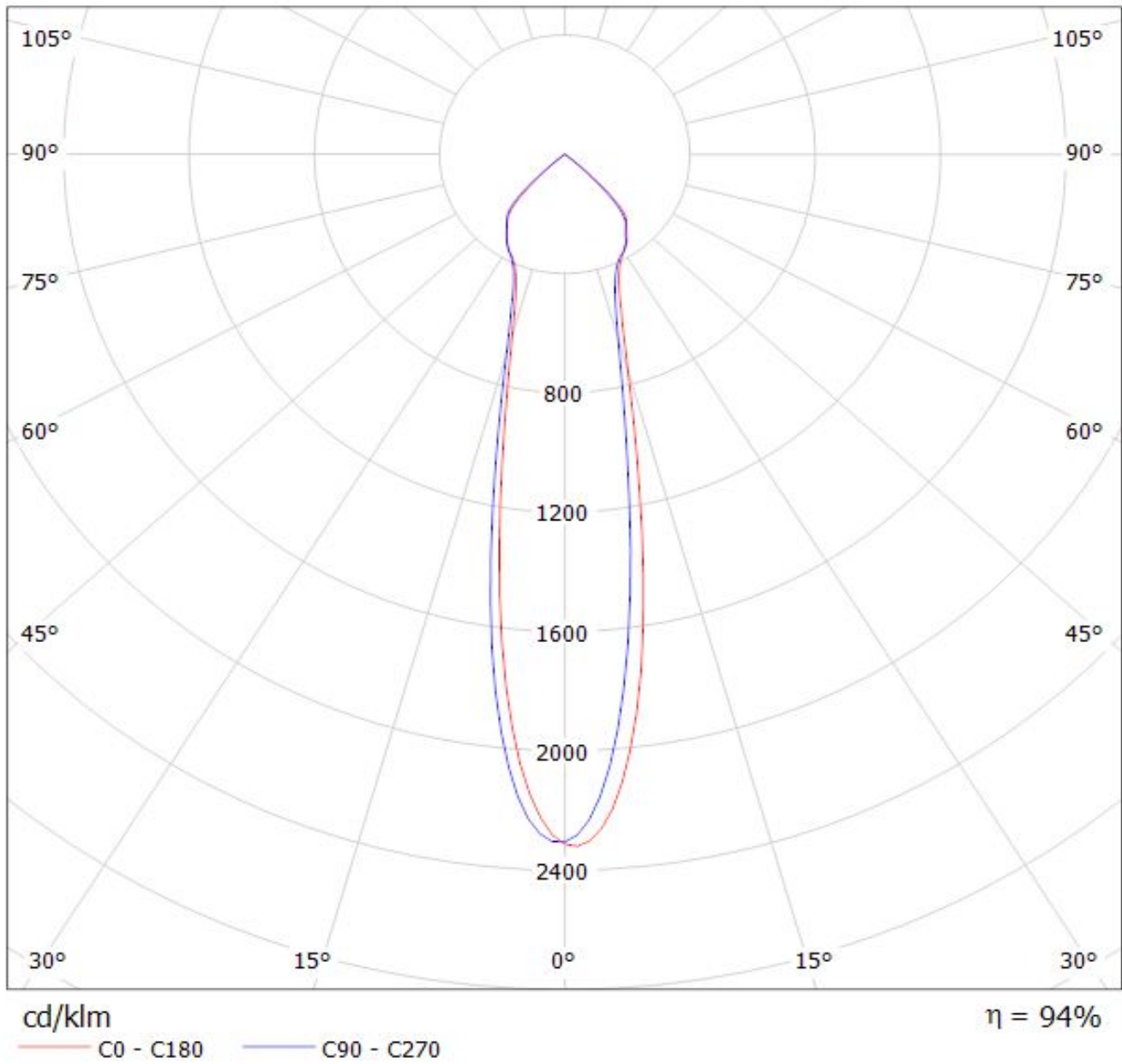
cd/klm

— C0 - C180

— C90 - C270

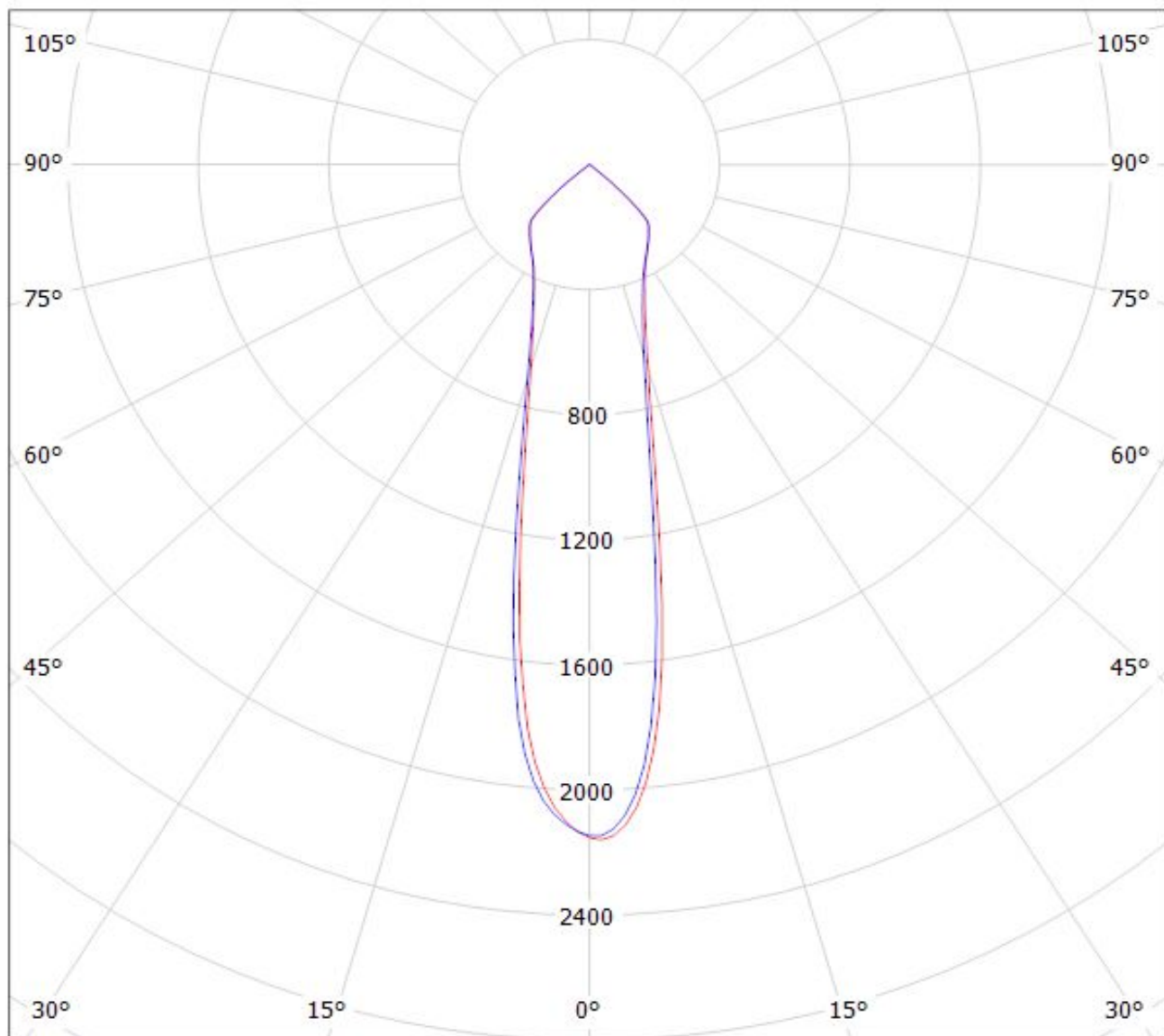
$\eta = 94\%$

Luminaire: LEDiL Oy C13325\_ANGELINA-S\_(Luxeon\_K16) Eff.94.2%  
Lamps: 1 x LUXEON\_K16 (1204.33lm@250mA)



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(NSBxL121A)

Lamps: 1 x Nichia\_NSBxL121A\_914.478lm@250mA\_P=7.56872W\_I=249.9mA



cd/klm

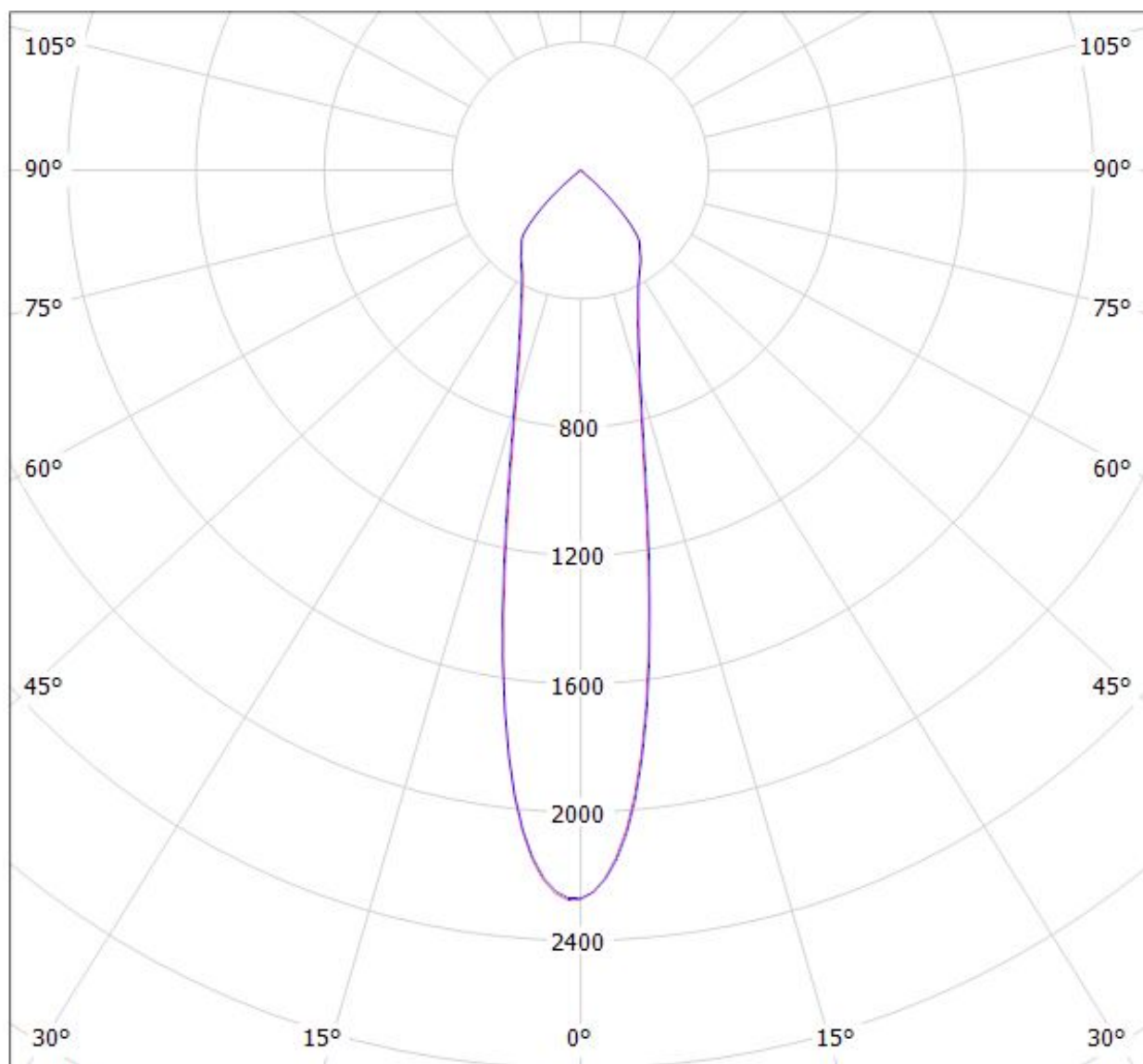
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA25) Eff.94%

Lamps: 1 x CREE\_CXA25\_(CXA2530-7C0-T2-N0H)\_1151.98lm@250mA\_CCT=3000K\_P=8.4892W\_I=249.8mA



cd/klm

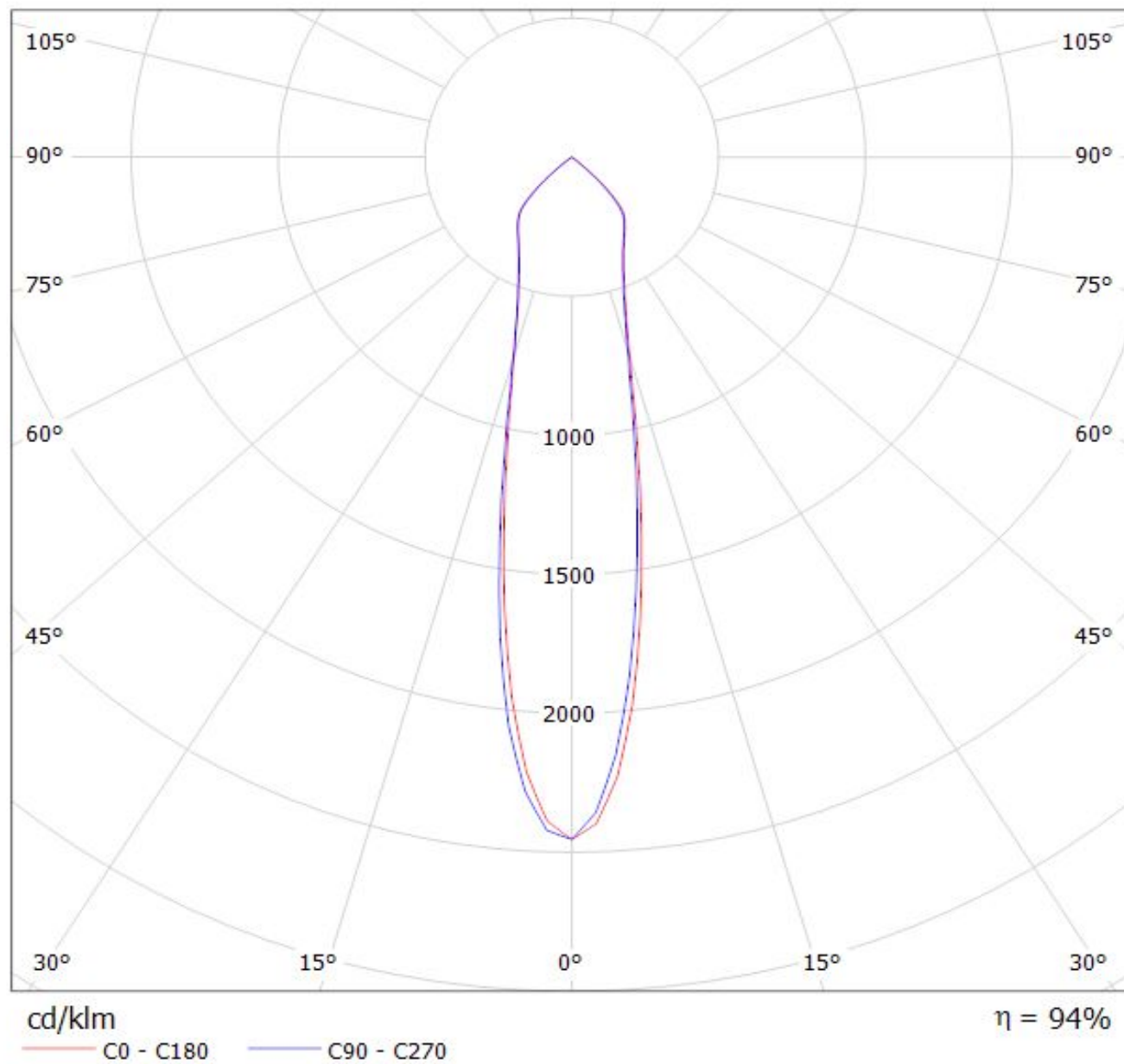
— C0 - C180

— C90 - C270

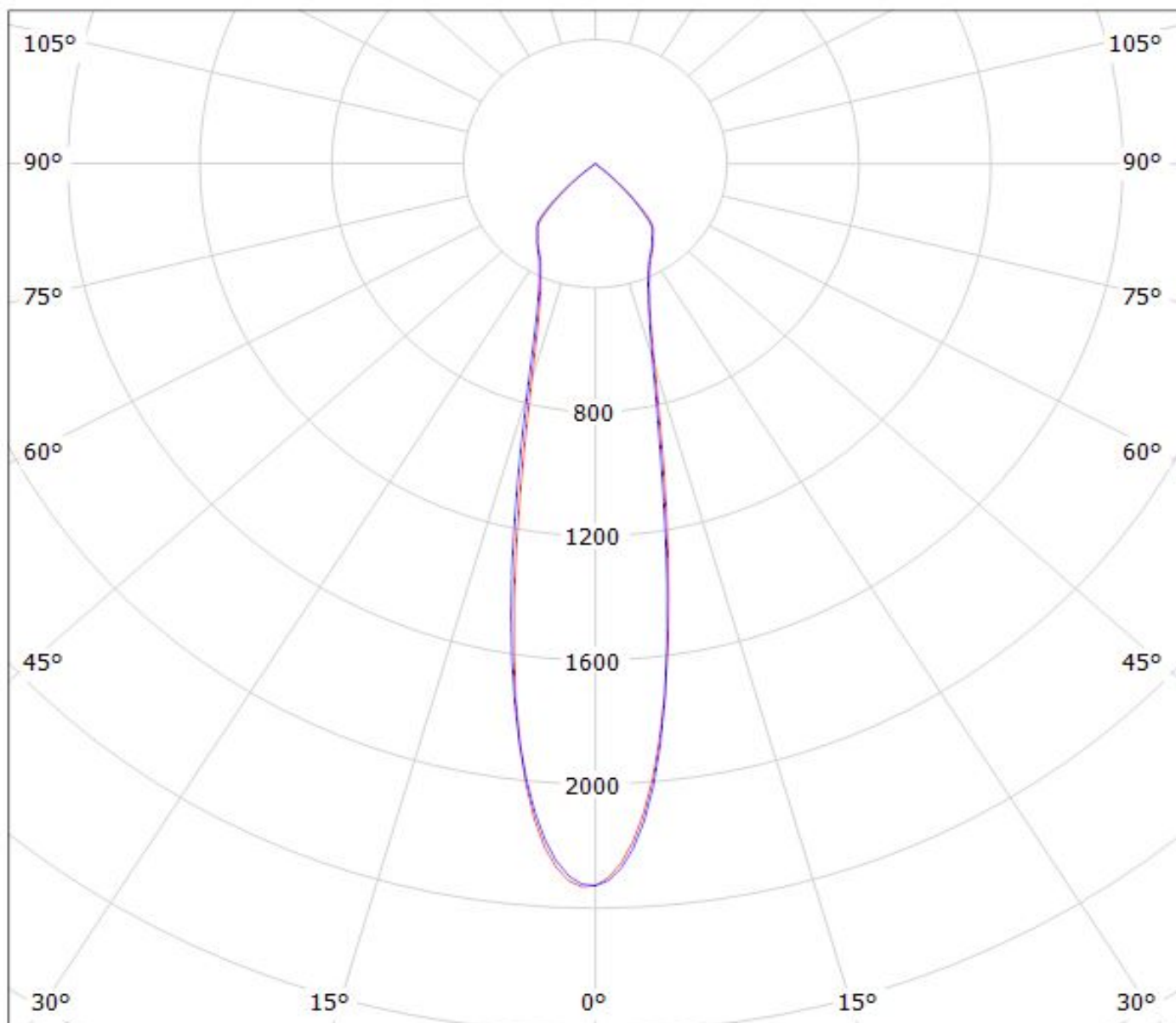
$\eta = 95\%$

Luminaire: LEDiL F13325\_ANGELINA-S\_(CLL030)

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



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE GEN4 LES19)  
Lamps: 1 x SLE GEN4 LES19\_1227.01lm@250mA\_P=8.21492W\_I=0.2498A

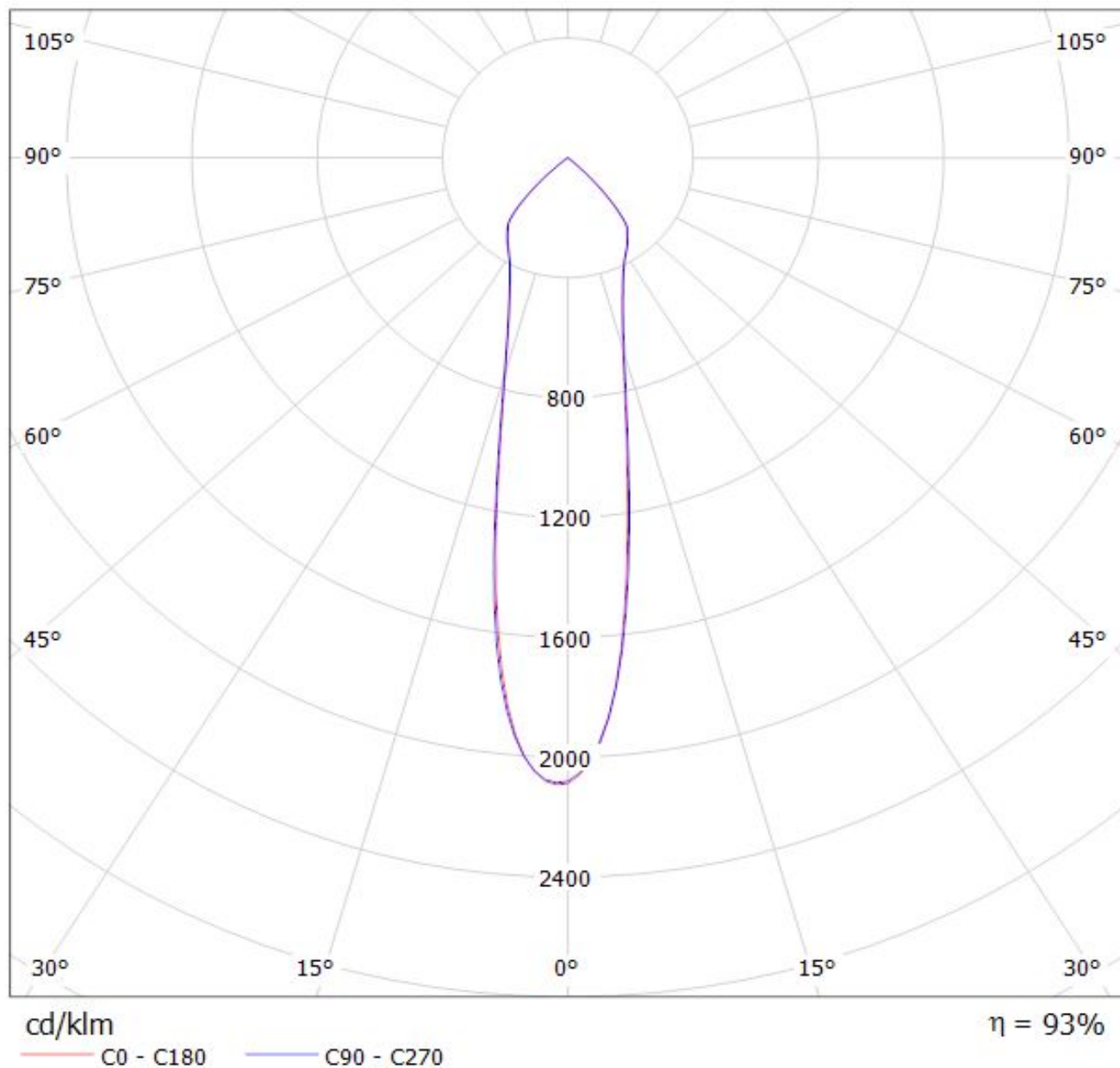


cd/klm

$\eta = 92\%$

— C0 - C180    — C90 - C270

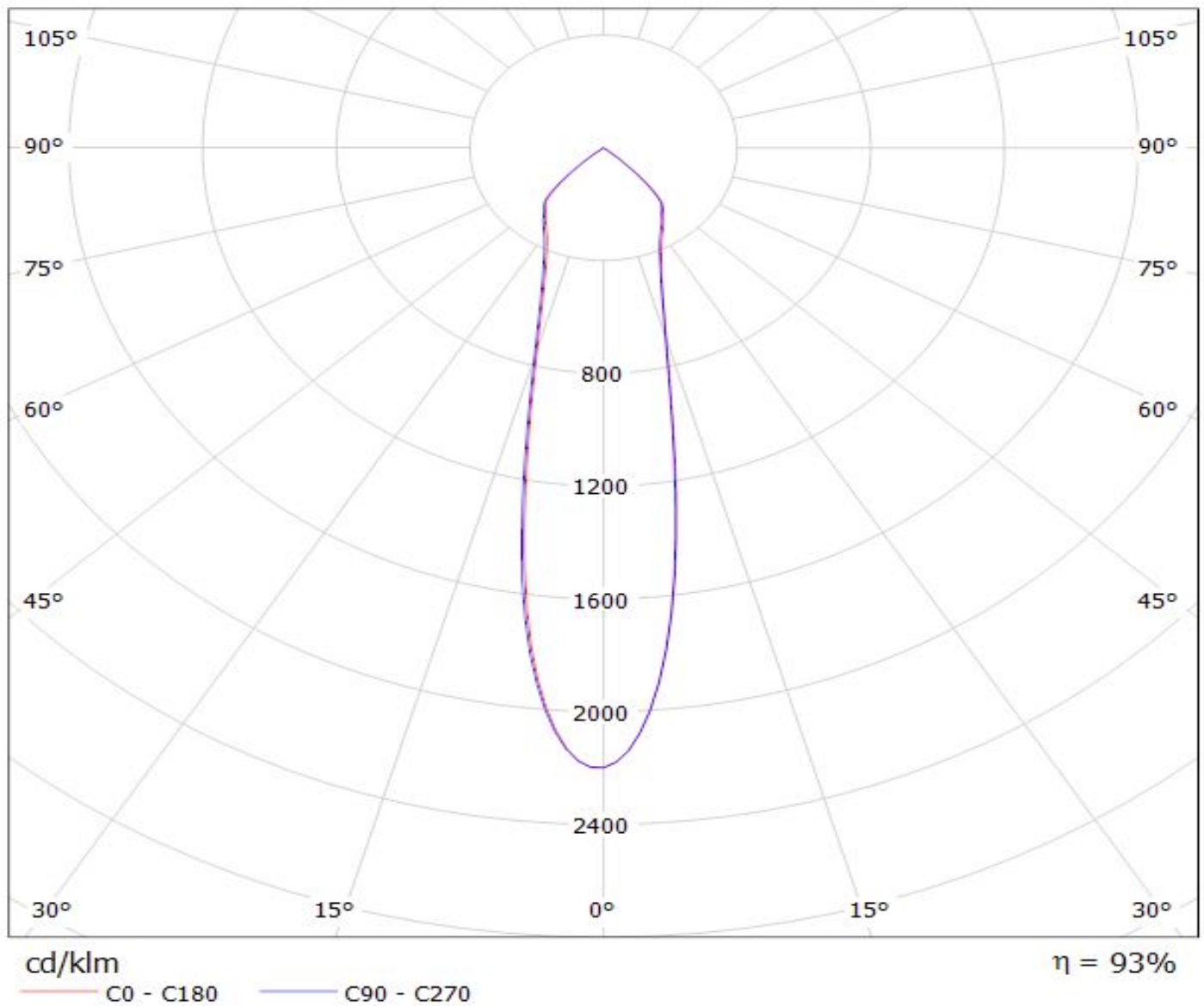
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(LEP-2000-827-C-AC)  
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)



# LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES19) Eff.93.5% / LDC (Polar)

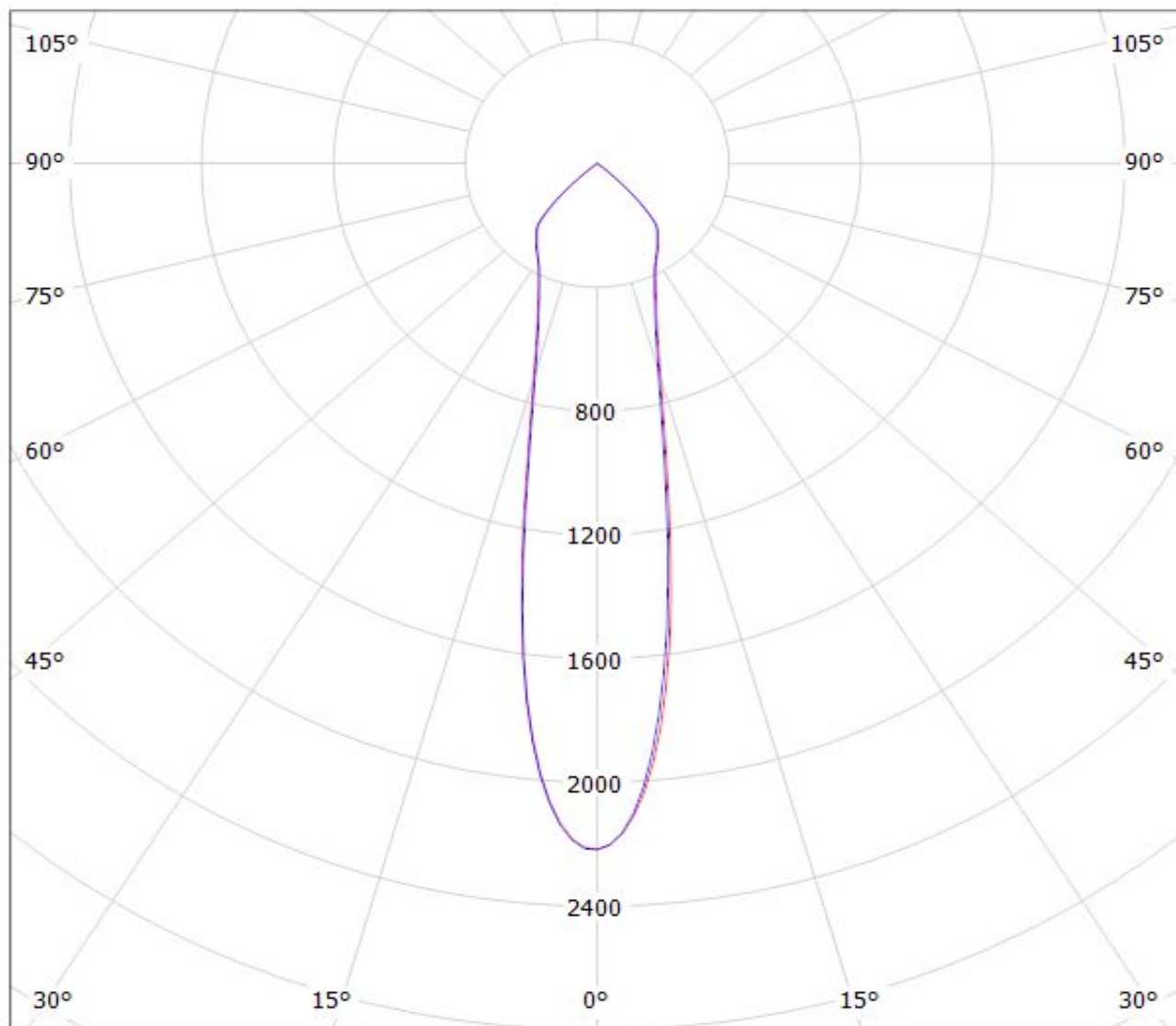
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES19) Eff.93.5%

Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES19\_(STARK-SLE-G3-LES19-2000-840-CLA)  
\_1058.33lm@250mA\_P=8.32833W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES19) Eff.94%

Lamps: 1 x OSRAM PrevaLED\_LES9\_(PL-CORE-1100-830-Z3)\_1333.47lm@250mA\_P=10.4584W\_I=249.8mA



cd/klm

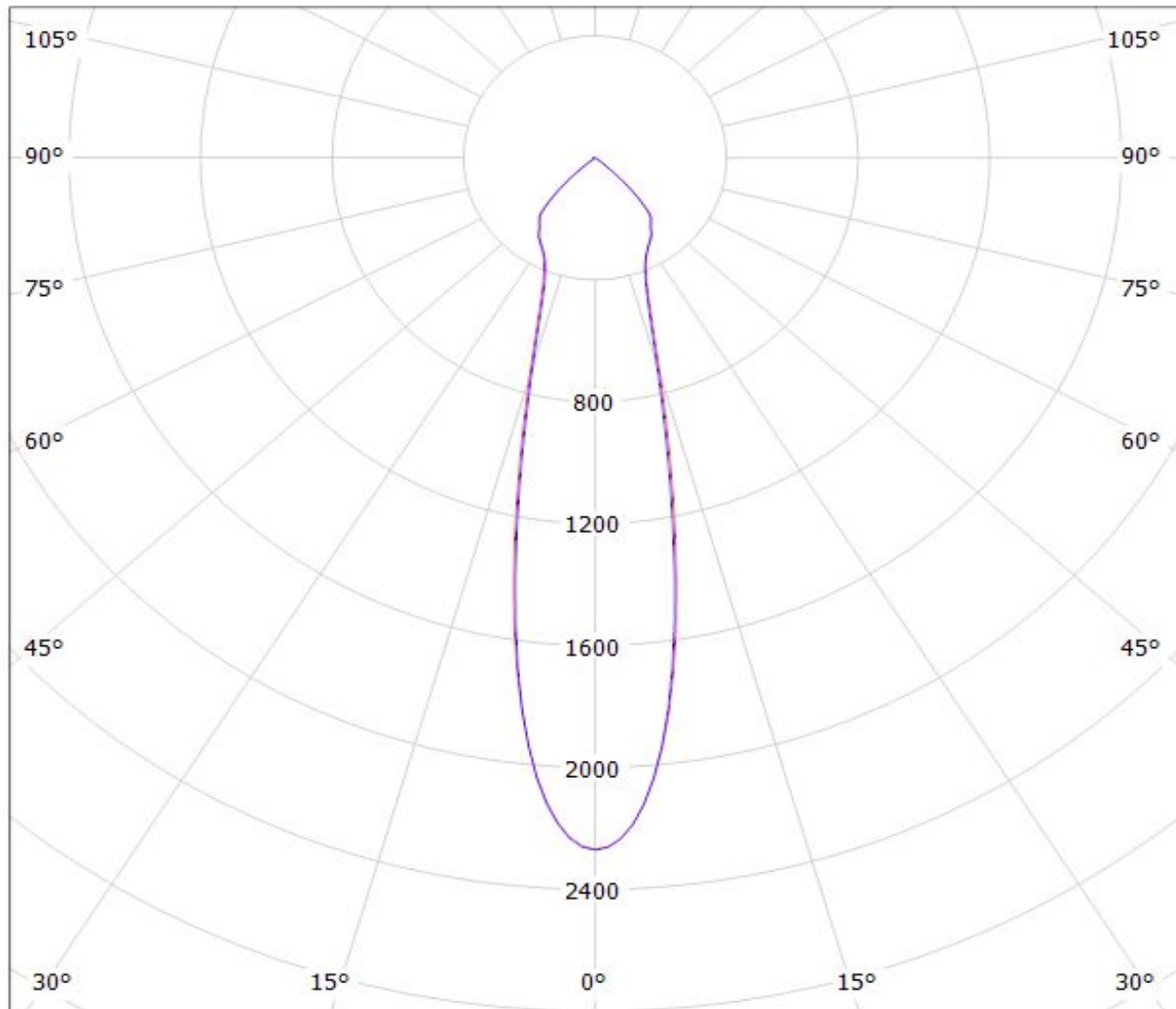
$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_2000) Eff.90.7%

Lamps: 1 x PHILIPS Fortimo LED SLM 2000 23W/930 L19 G3 665.774lm@250mA CCT=3000K P=6W I=250mA



cd/klm

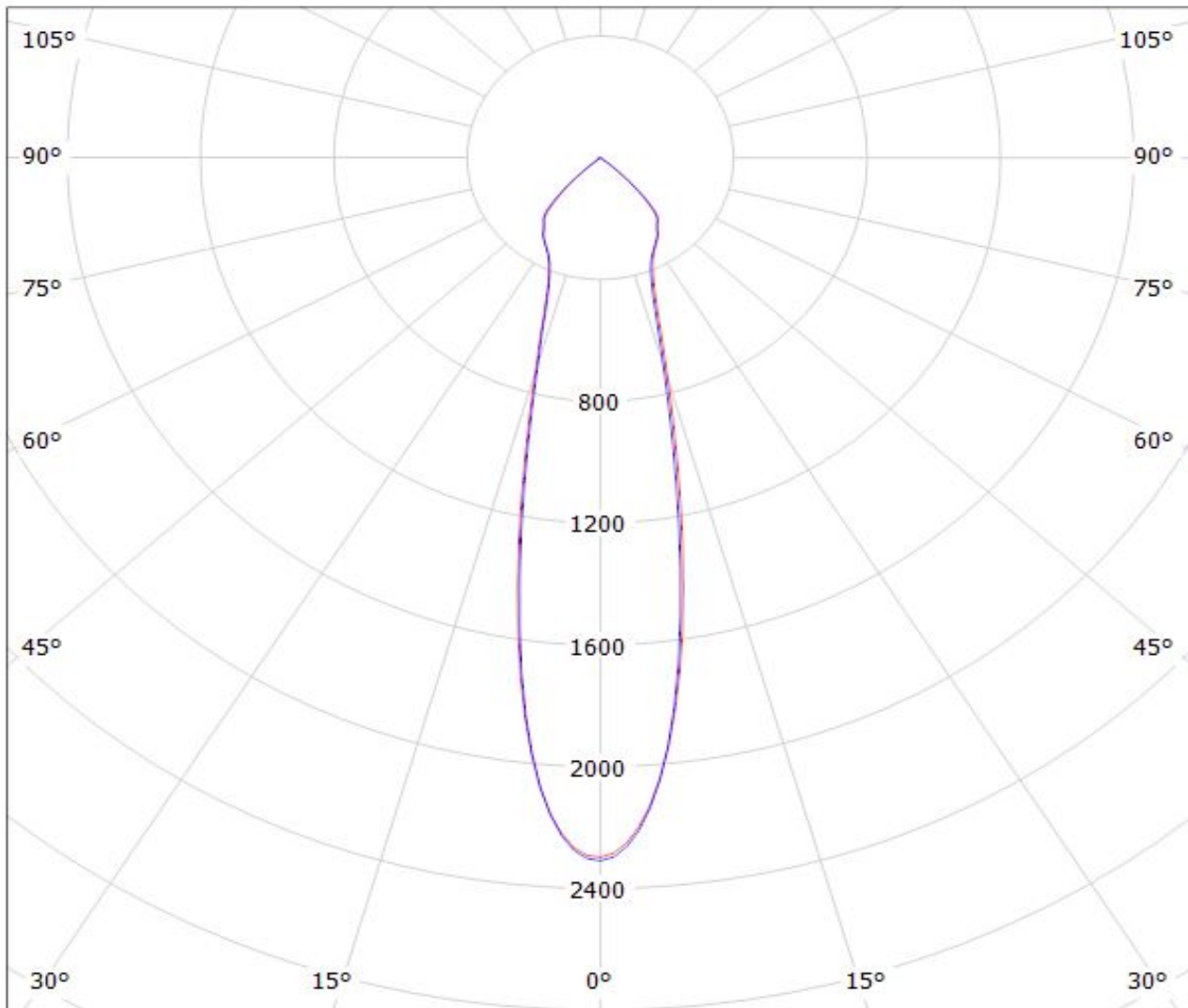
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_3000) Eff.90.9%

Lamps: 1 x PHILIPS Fortimo LED SLM 3000 28W/830 L19 G3 1046.76lm@250mA CCT=3000K P=9W I=250mA



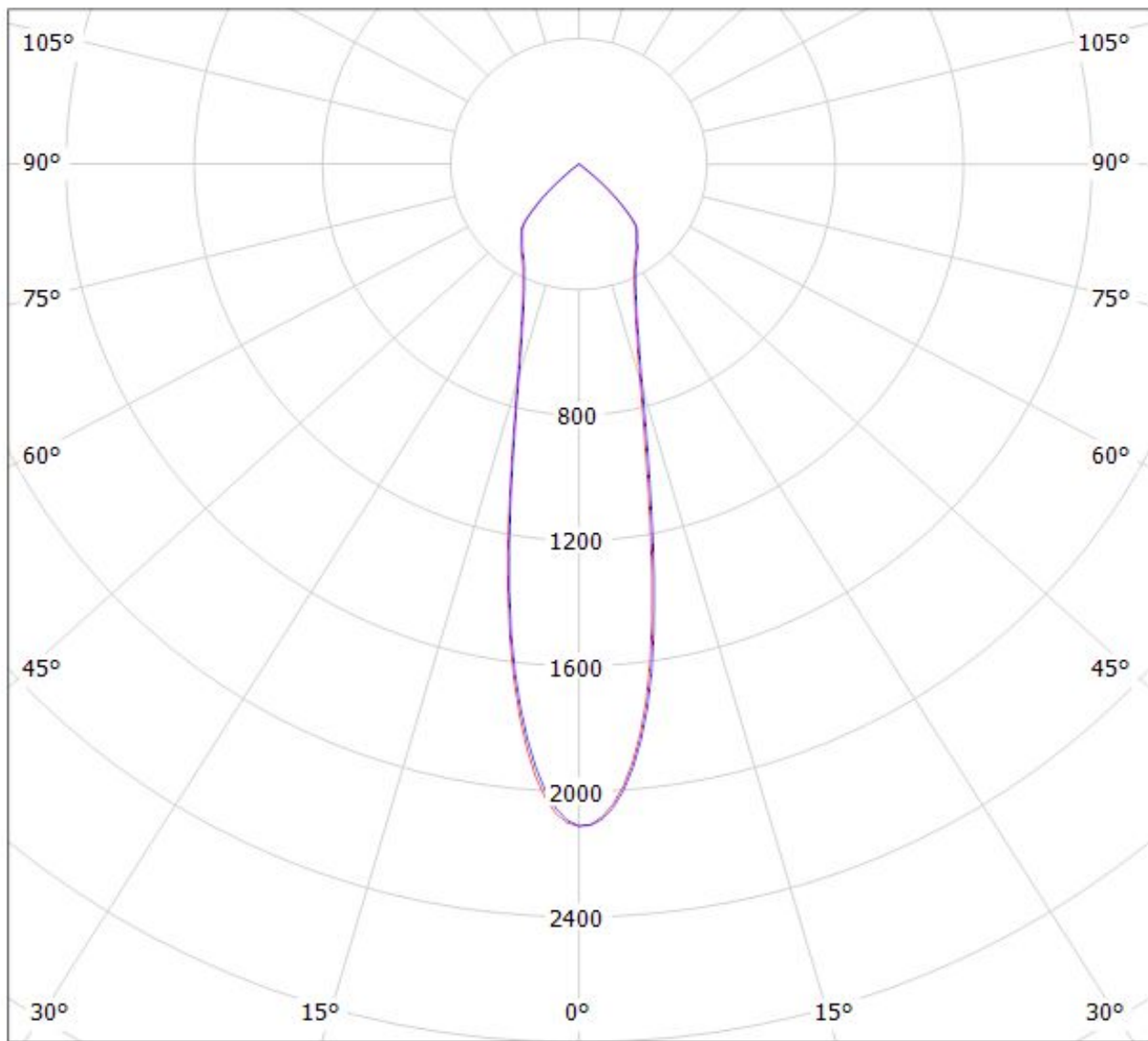
$\eta = 91\%$

cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(COB-LC026B) Eff.93.5%

Lamps: 1 x SAMSUNG\_COB-LC026B\_(SPHWWTHDNC25YHV52F)\_1136.23lm@250mA\_P=8.23191W\_I=249.8mA



cd/klm

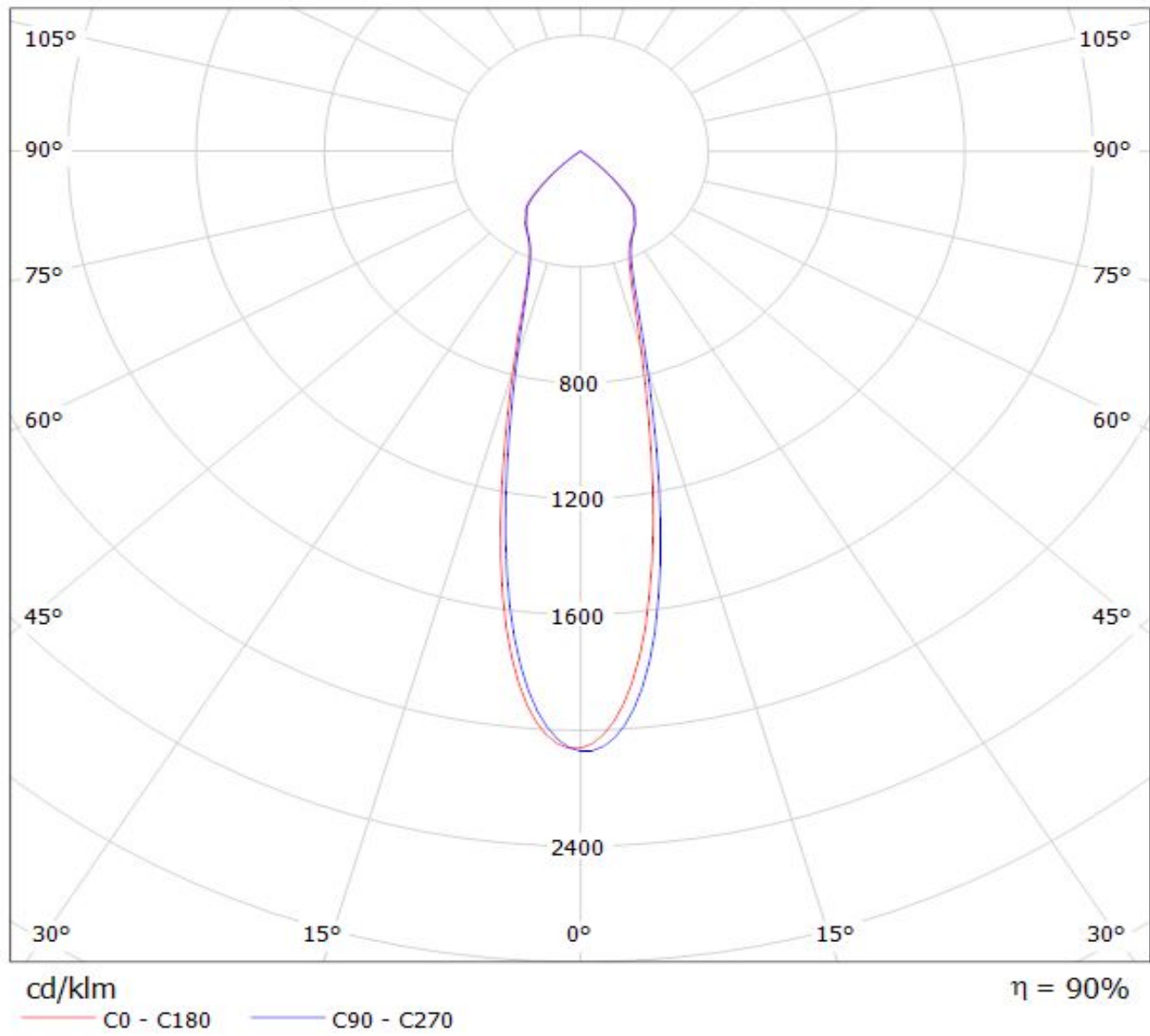
— C0 - C180

— C90 - C270

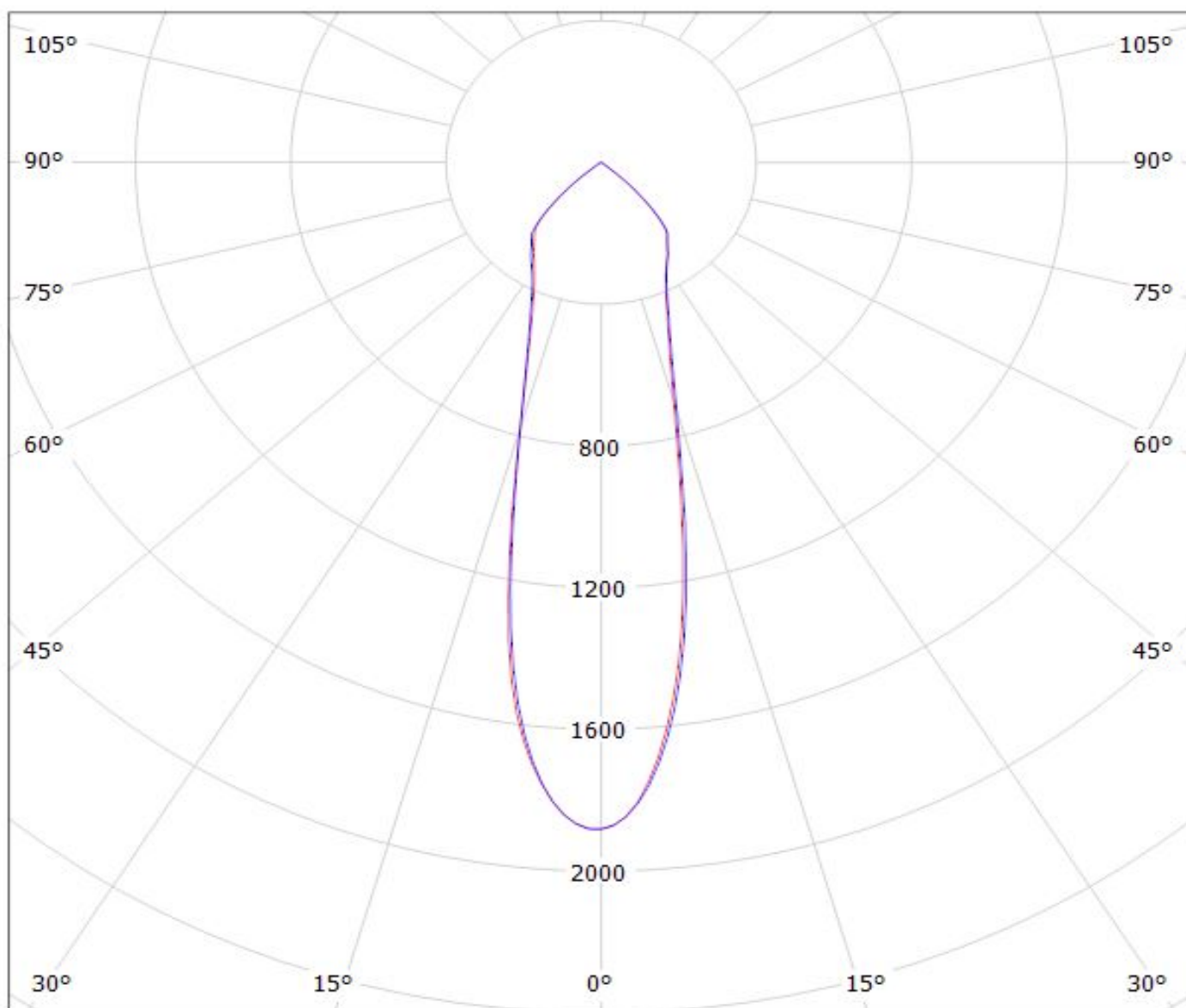
$\eta = 93\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES23) Eff.90.5%

Lamps: 1 x TRIDONIC STARK SLE G2 LES23 830 CLA 982.731lm@250mA CCT=3000K P=8W I=250mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-486) Eff.93.3%  
Lamps: 1 x Vossloh\_Schwabe-WU-M-486\_(WU-M-486-830)  
\_1474.55lm@250mA\_P=10.4456W\_I=249.8mA



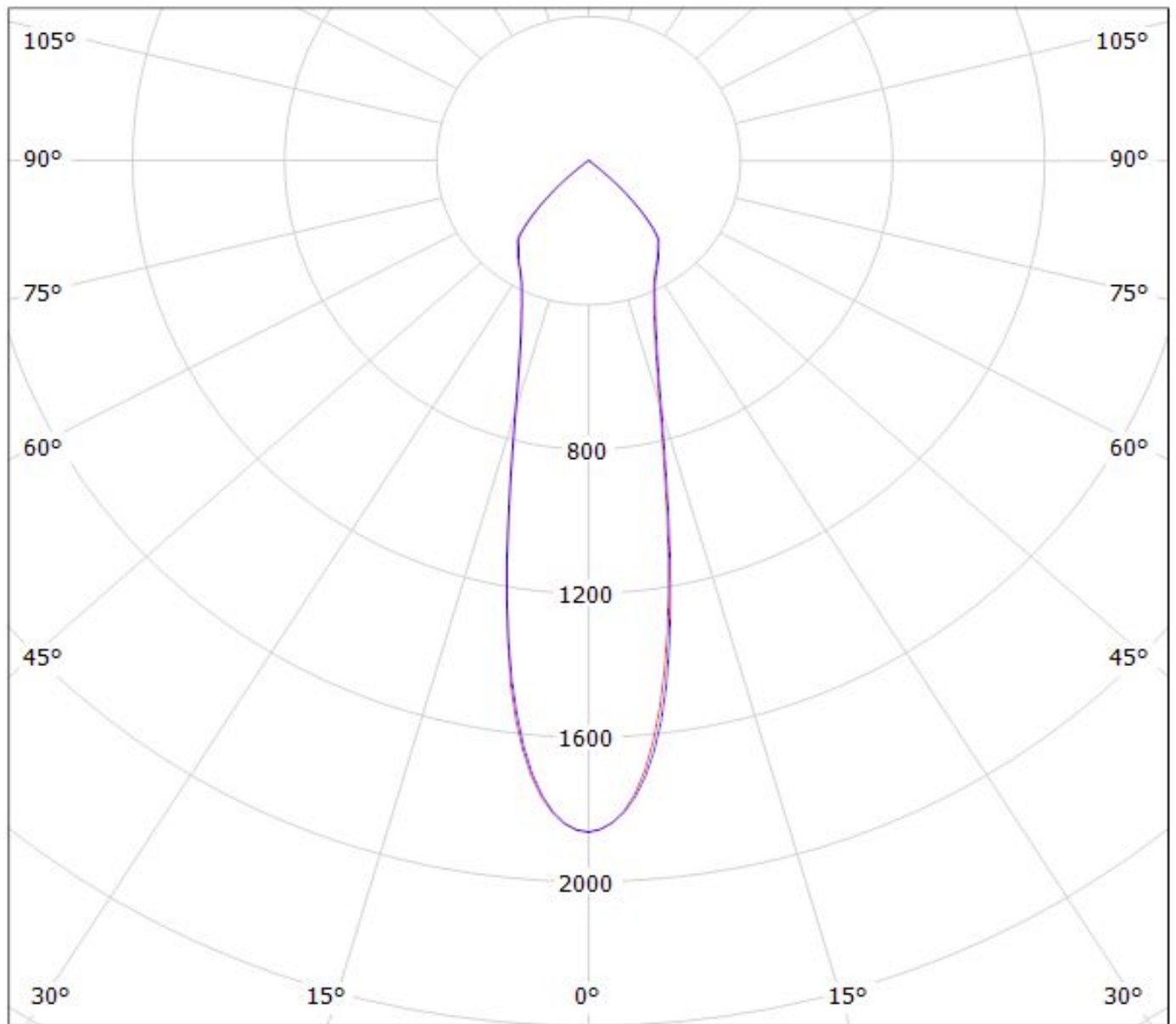
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(Fortimo LED SLM L19 G4)

Lamps: 1 x Fortimo LED SLM L19 G4\_1114.89lm@250mA\_P=8.04906W\_I=0.2498A



cd/klm

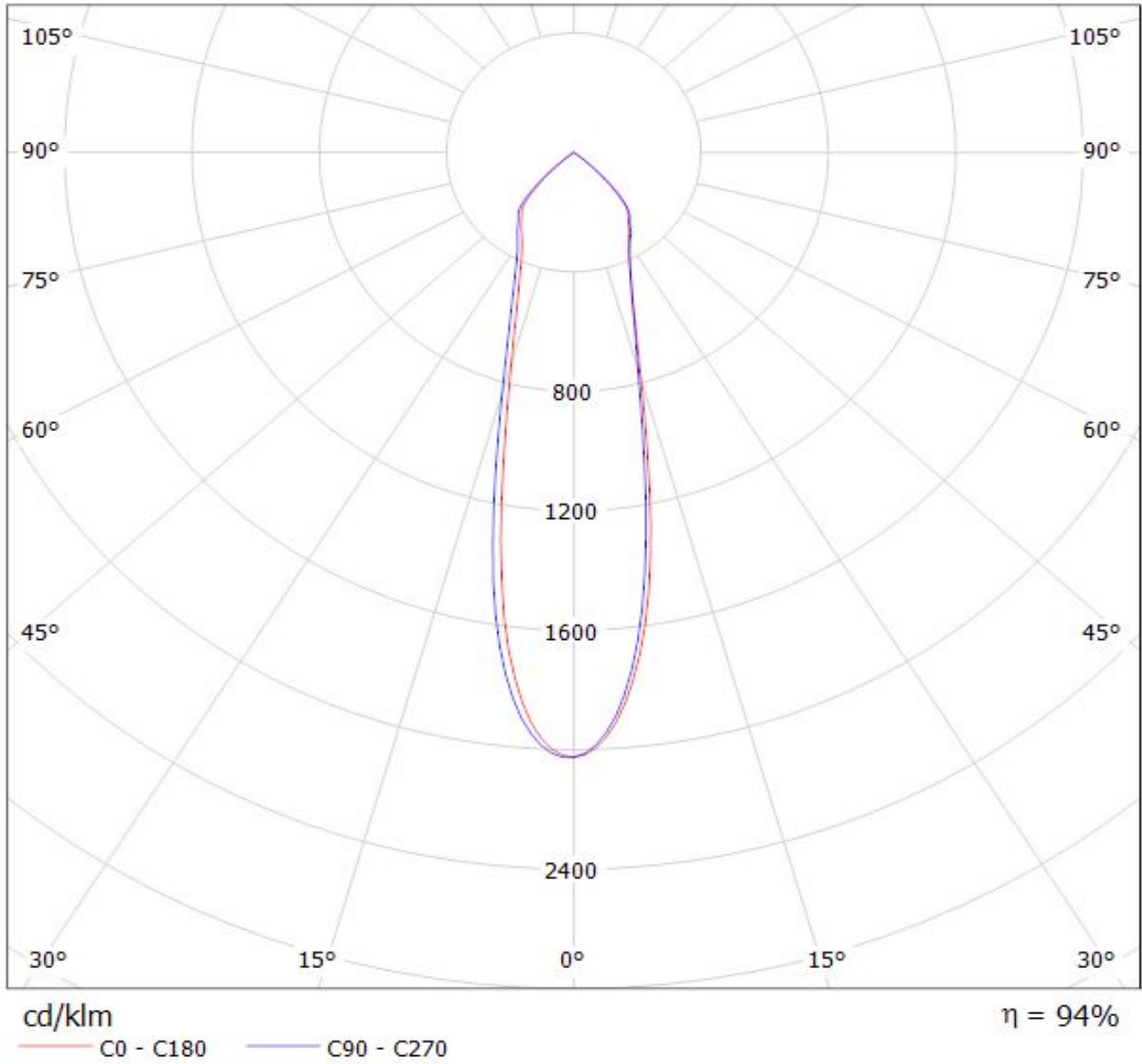
— C0 - C180

— C90 - C270

$\eta = 92\%$

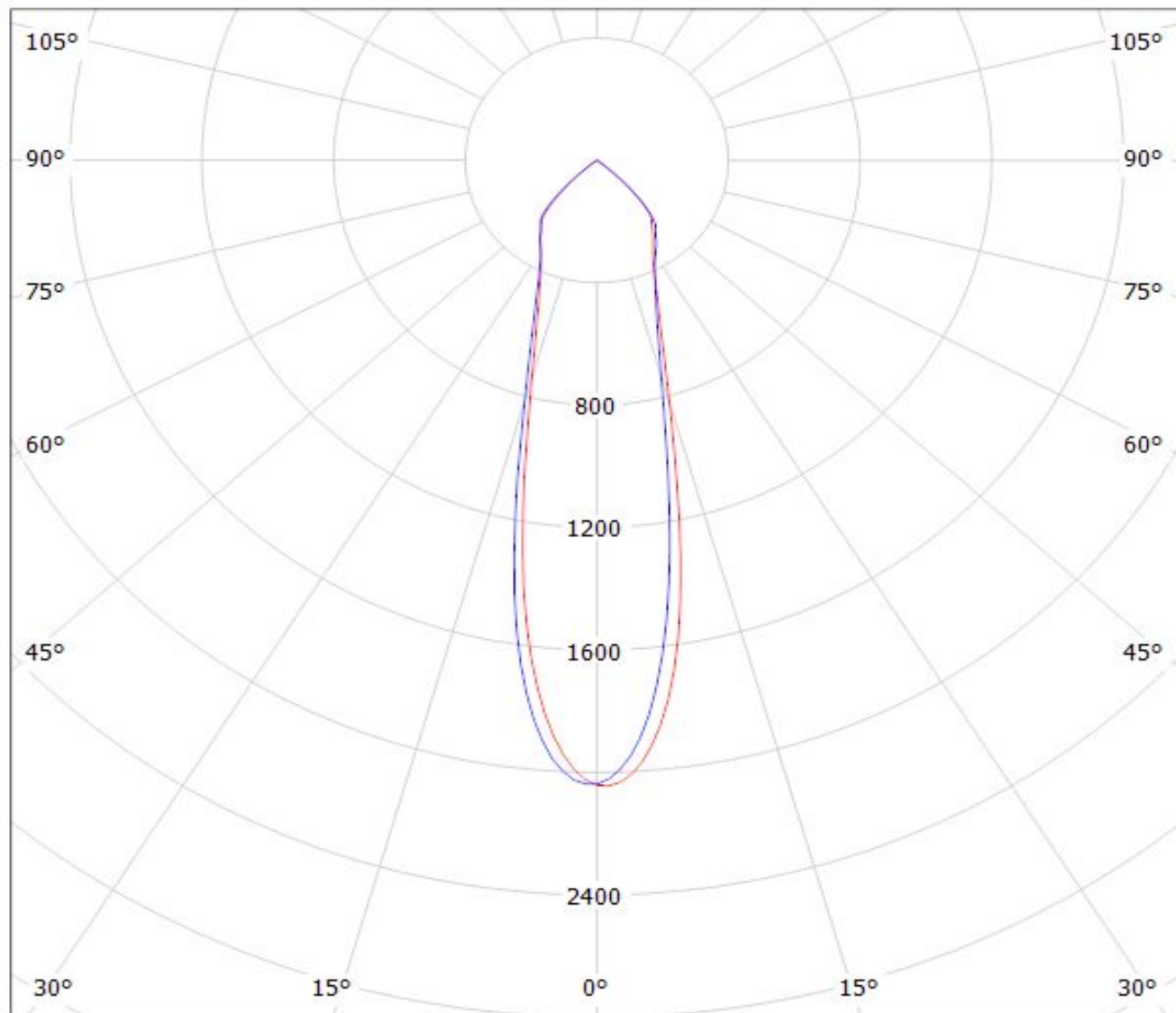
Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-462-827)

Lamps: 1 x Vossloh\_WU-M-462-827\_1116.7lm@250mA\_P=8.9943W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-464-827)

Lamps: 1 x Vossloh\_WU-M-464-827\_1452.93lm@250mA\_P=11.6939W\_I=249.8mA



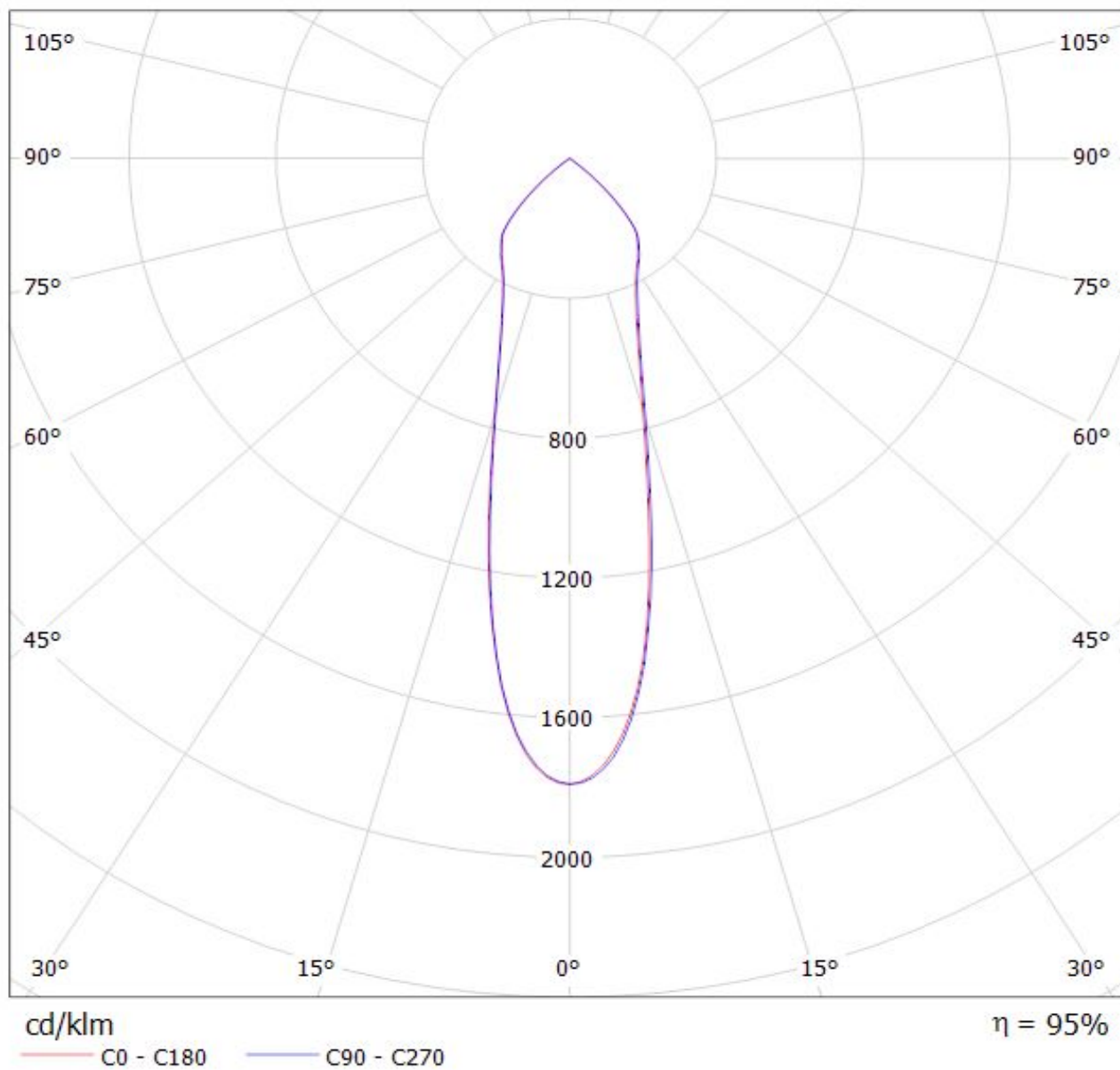
cd/klm

$\eta = 94\%$

— C0 - C180

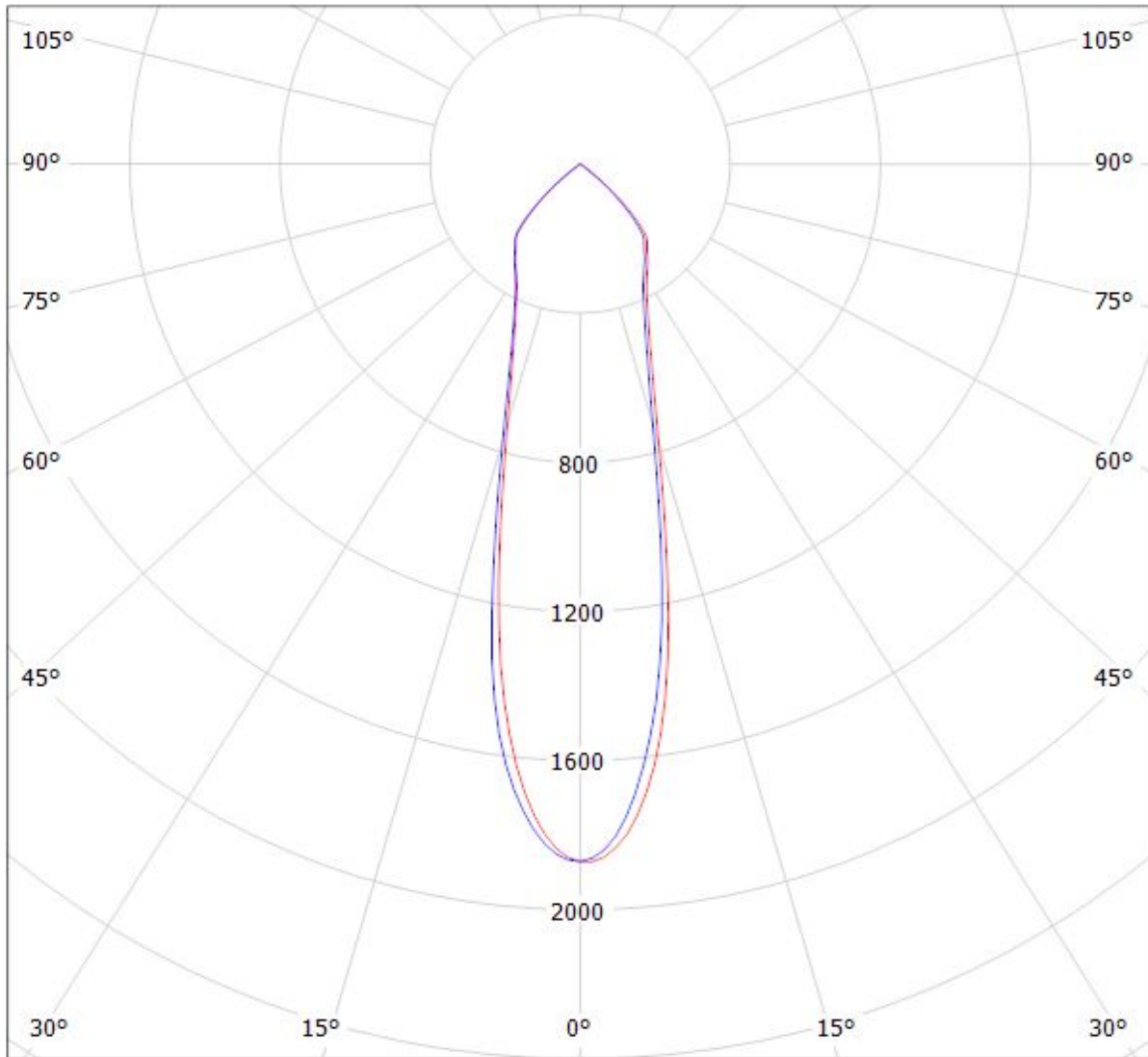
— C90 - C270

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(PrevaLED\_LES23) Eff. 94%  
Lamps: 1 x OSRAM PrevaLED\_LES23\_(PL-CORE-5000-930-Z3)\_1102.2lm@250mA\_P=9.93654W\_I=249.8mA



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(WU-M-485)

Lamps: 1 x Vossloh\_Schwabe-WU-M-485\_(WU-M-485-830)\_1209.62lm@250mA\_P=8.43849W\_I=249.8mA



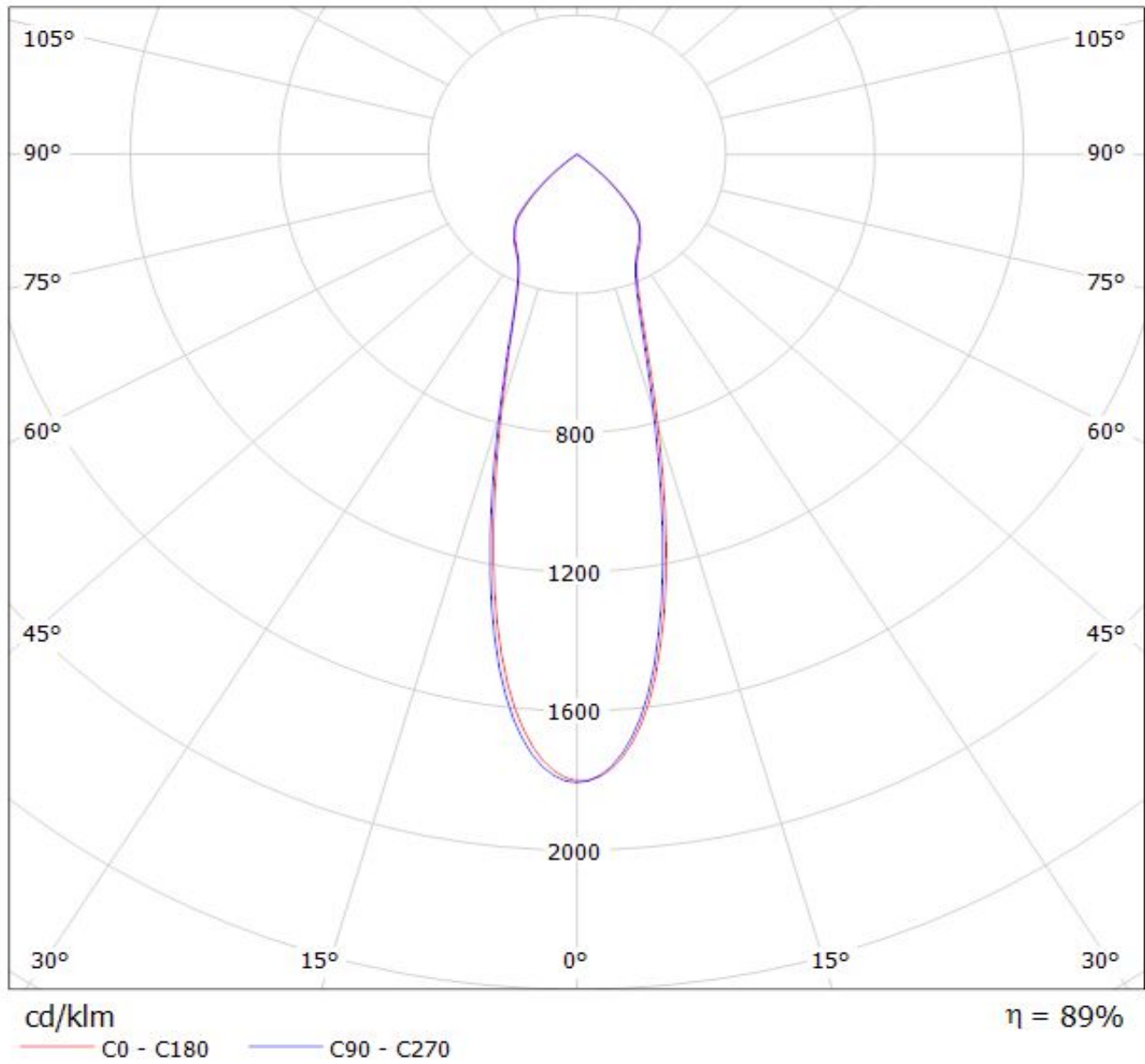
cd/klm

— C0 - C180

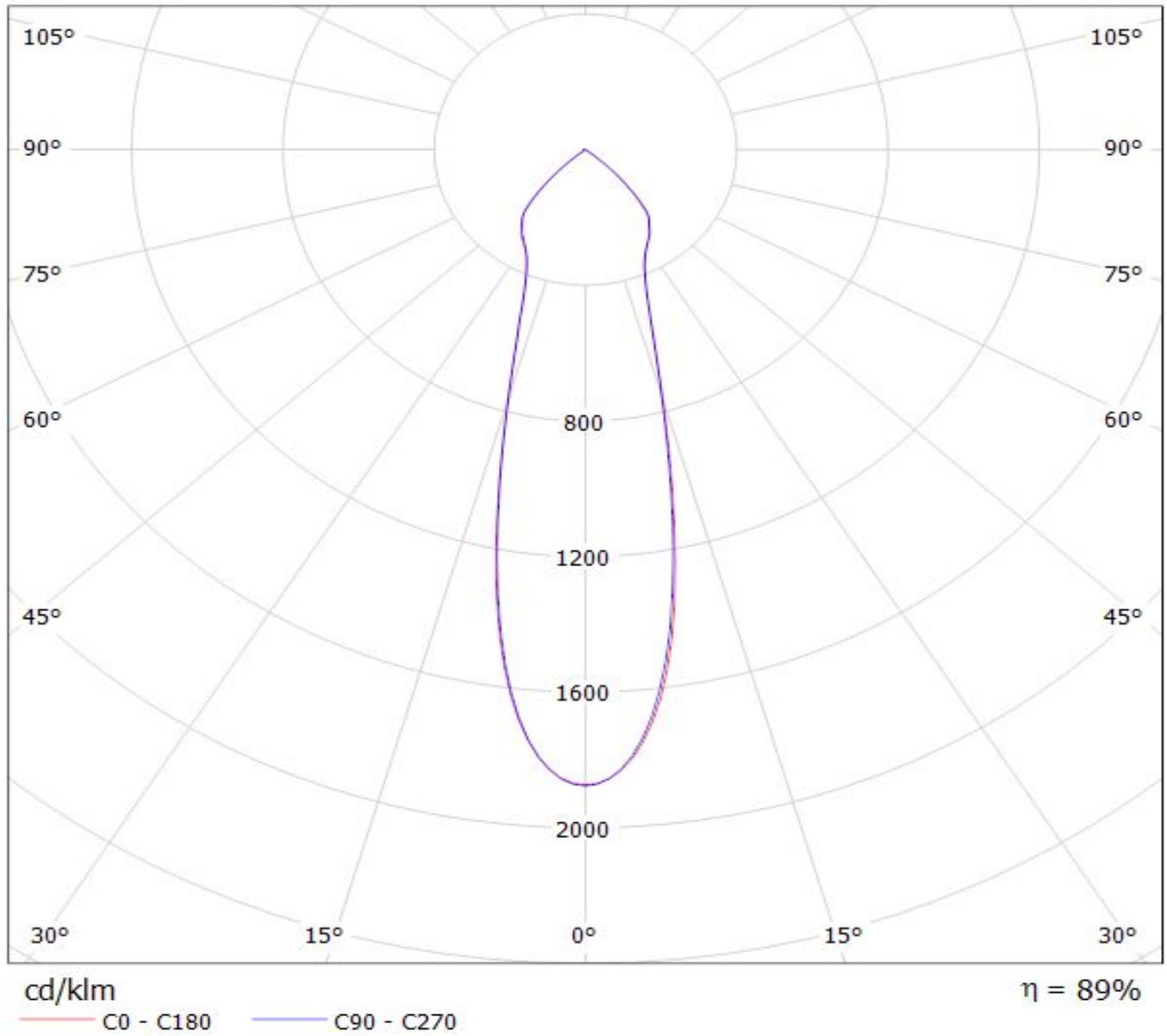
— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(STARK\_SLE\_G2\_LES26) Eff.89.2%  
Lamps: 1 x TRIDONIC STARK SLE G2 LES26 830 CLA 1095.88lm@250mA CCT=3000K P=8W I=250mA

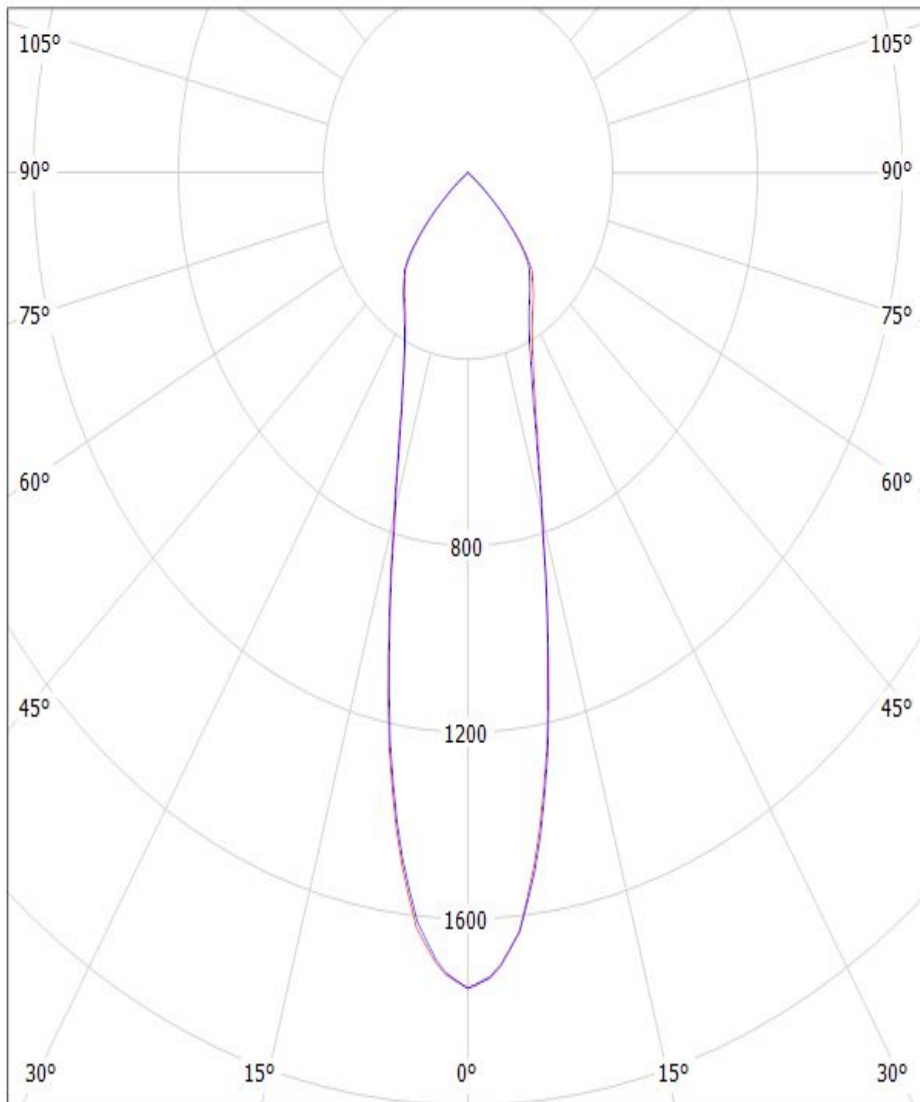


Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(FORTIMO\_4500) Eff.89.2%  
Lamps: 1 x PHILIPS Fortimo 4500 1197lm@250mA I:250mA P:10.8W



Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G3\_LES23) Eff.91.2%

Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES23\_(STARK-SLE-PURE\_G3-23-3000-930-SEL)\_813.196lm@250mA\_CCT=3000K\_P=8.20018W\_I=249.8mA



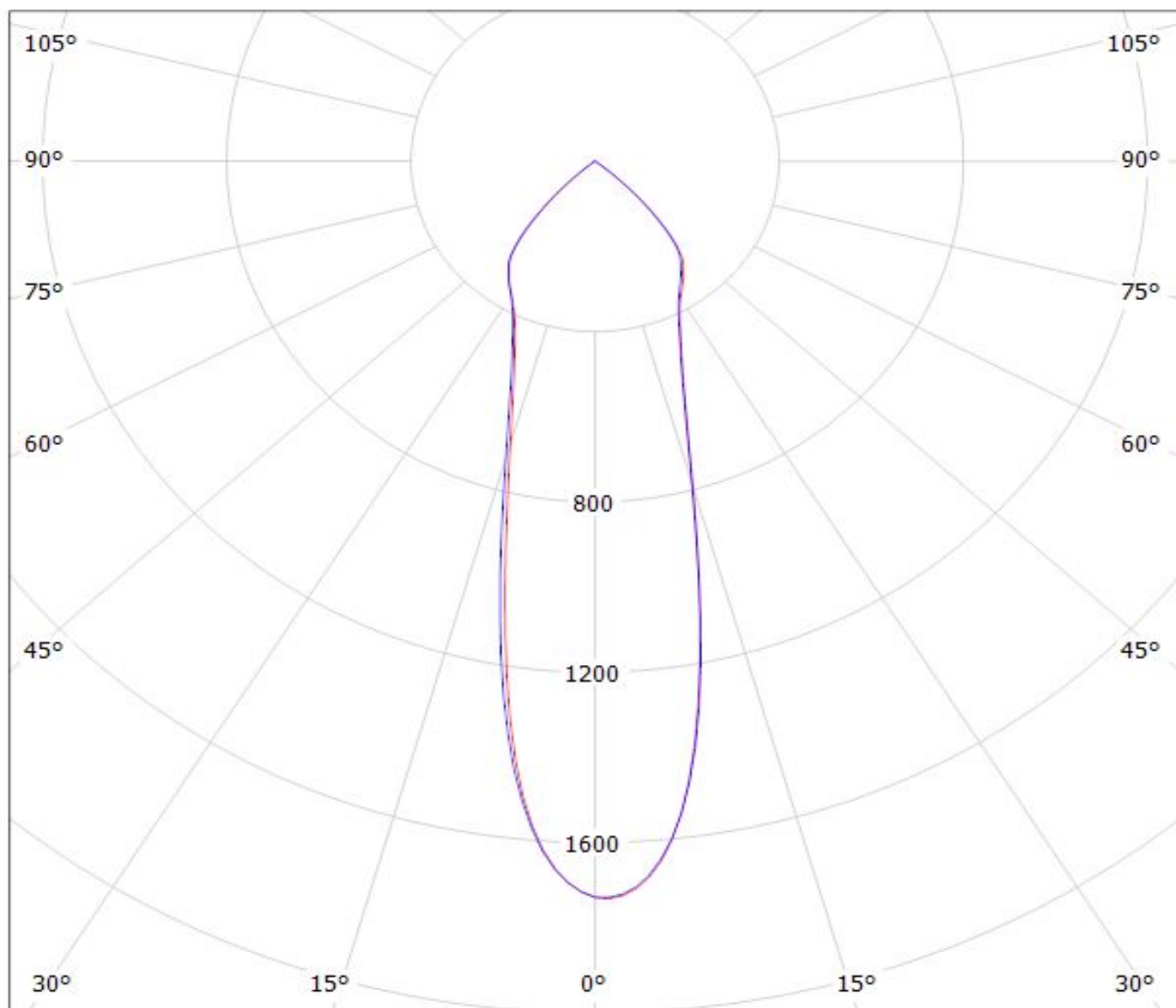
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(SLE\_G4\_LES23)

Lamps: 1 x Tridonic\_SLE\_G4\_LES23\_1354.57lm@250mA\_P=8.18744W\_I=0.2498A



cd/klm

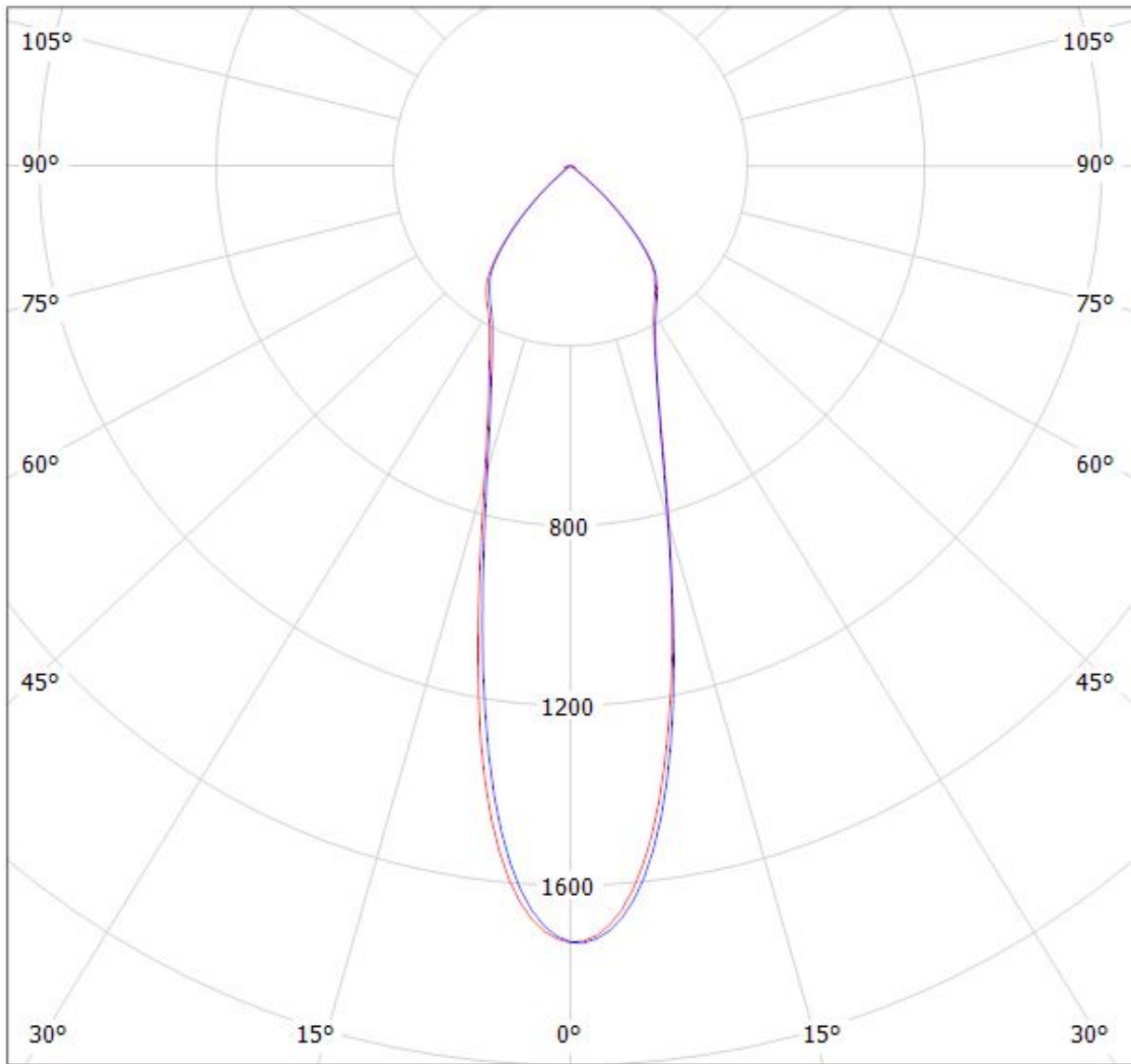
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA30) Eff.94%

Lamps: 1 x CREE\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1340.66lm@250mA\_P=8.16471W\_CCT=5000K\_I=249.8mA



cd/klm

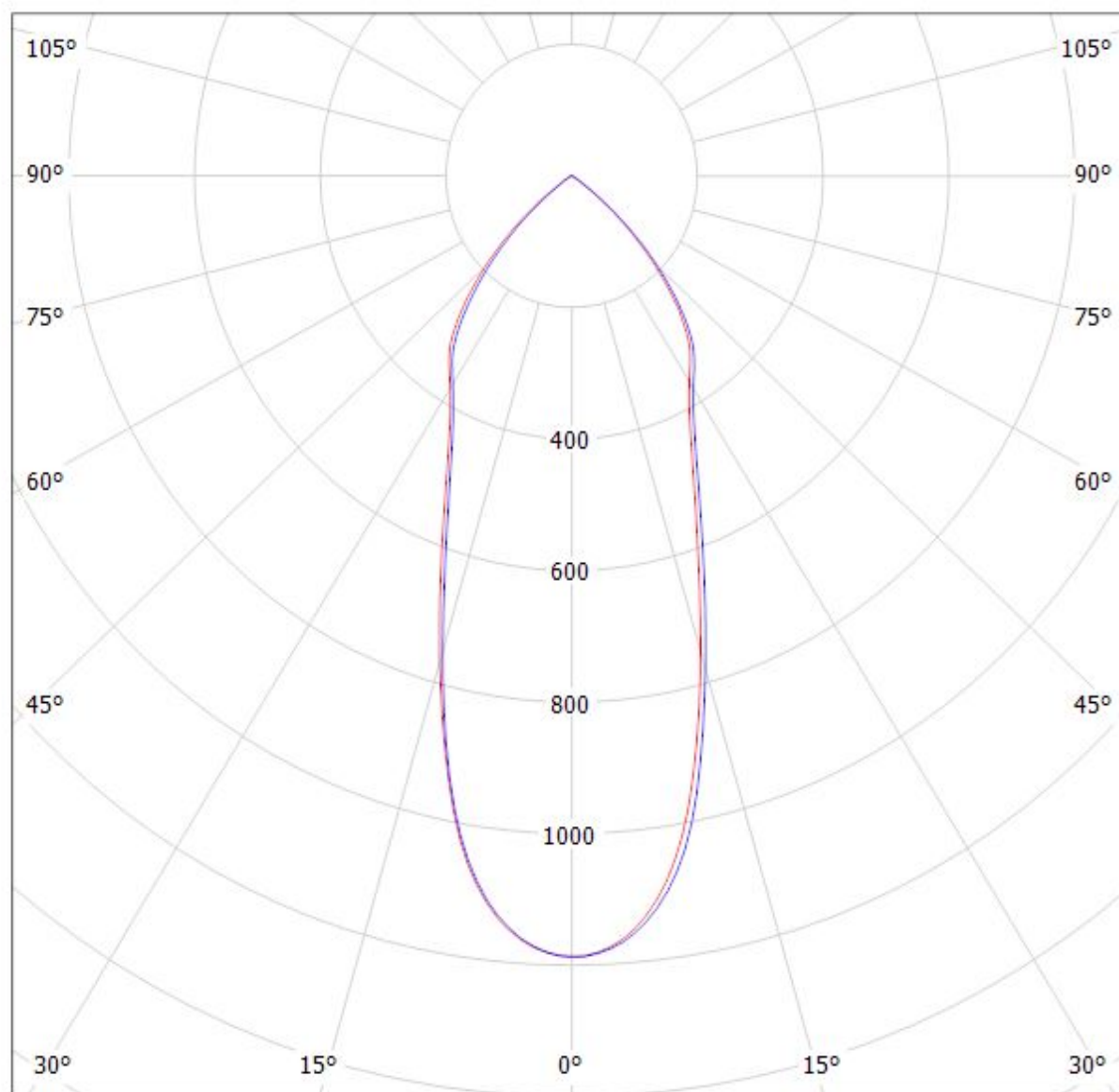
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13325\_ANGELINA-S\_(CXA3590)

Lamps: 1 x CREE\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2640.14lm@250mA\_CCT=3000K\_P=16.3941W\_I=249.8mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

**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.**

### **GENERAL INFORMATION**

- Product series especially designed & optimized for 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).

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.