

DETAILS

Product Number	F13838_ANGELINA-XW
Family	ANGELINA
Type	Reflector
Color	white
Diameter	82 mm
Height	31 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	ready
ROHS Compliant	Yes
Date Updated	24/06/2014



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
PrevaLED Core AC (LEP-2000)	89 degrees		94 %	0.510	Z50 Optic Clip part n r. 2213194-1 TE
Fortimo SLM 4500 G3	90 degrees		94 %	0.490	Z50 Optic Clip part n r. 2213194-1 TE
STARK SLE G2 LES26	90 degrees		94 %	0.500	Z50 Optic Clip part n r. 2213194-1 TE
STARK SLE G2 LES23	90 degrees		94 %	0.500	Z50 Optic Clip part n r. 2213194-1 TE
PrevaLED Core AC (LEP-800)	90 degrees		94 %	0.520	Z50 Optic Clip part n r. 2213194-1 TE
PrevaLED Core Z4 LES19	90 degrees		94 %	0.510	Z50 Optic Clip part n r. 2213194-1 TE
LUXEON K16	90 degrees		94 %	0.530	Solderless Connector 47.319.2070 BJB
CXA35	90 degrees		94 %	0.480	50-2303CR + Angela(50 -2300AN) IDEAL
Fortimo SLM 2000 G3	91 degrees		94 %	0.517	Z50 Optic Clip part n r. 2213194-1 TE
Fortimo SLM 3000 G3	91 degrees		94 %	0.489	Z50 Optic Clip part n r. 2213194-1 TE
STARK SLE G2 LES19	91 degrees		94 %	0.500	Z50 Optic Clip part n r. 2213194-1 TE
Soleriq S19	91 degrees		94 %	0.500	Solderless connector part nr. 2213407-2 + Z50
LUXEON K12	92 degrees		94 %	0.520	Solderless connector part nr. 2213134-2 + Z50



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Optic Clip part nr. 2213194-1 TE



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Mega Zenigata (GW6DME)

92 degrees

94 %

0.500

Solderless connector



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Optic Clip part nr. 2213194-1 TE

part nr. 2213130-2 + Z50



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

WU-M-486

92 degrees

94 %

0.470

Z50 Optic Clip part n



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

r. 2213194-1 TE



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Soleriq S13

92 degrees

94 %

0.500

Solderless connector



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Optic Clip part nr. 2213194-1 TE

part nr. 2213401-2 + Z50



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

WU-M-484

93 degrees

94 %

0.476

Z50 Optic Clip part n



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

r. 2213194-1 TE



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

WU-M-485

93 degrees

94 %

0.470

Z50 Optic Clip part n



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

r. 2213194-1 TE



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

CXM-14

93 degrees

94 %

0.480

TE: Solderless connec



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

Optic Clip part nr. 2213194-1 TE

tor part nr 2213254-2 + Z50



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

WU-M-464

93 degrees

94 %

0.470

Z50 Optic Clip part n



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

r. 2213194-1 TE



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

NSBxL121A/NFCxL060B

94 degrees

94 %

0.480

Solderless connector



PRODUCT DATASHEET
ANGELINA series
last update 24/6/2014

part nr. 180580-0005 Molex

D

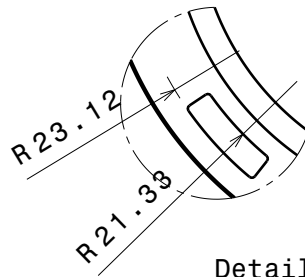
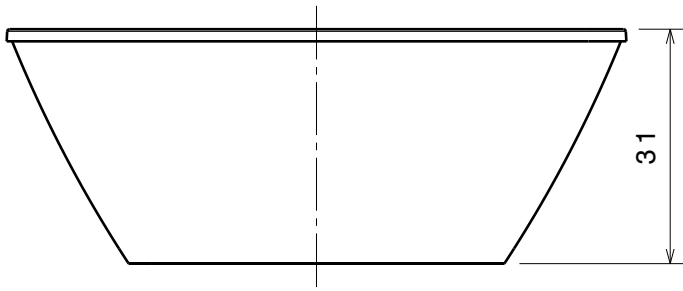
C

B

A

4

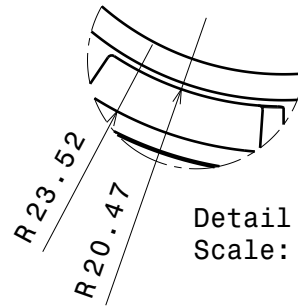
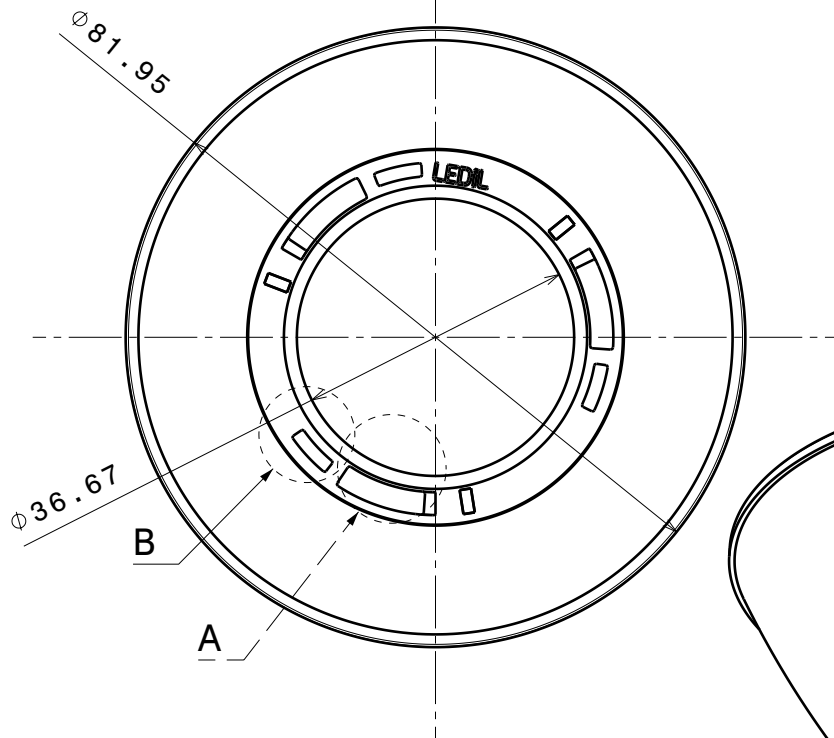
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Detail B
Scale: 2:1

3

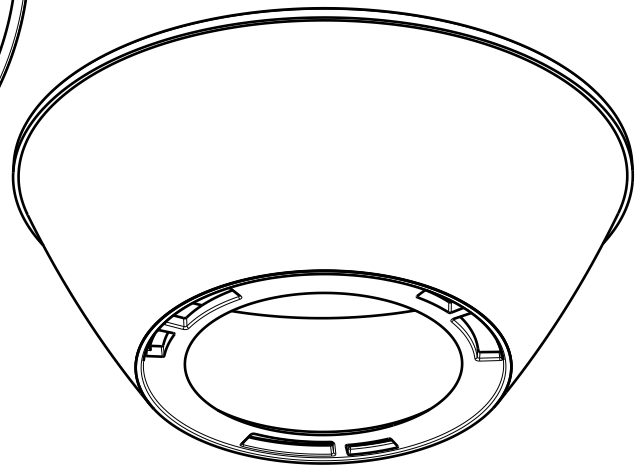
3



Detail A
Scale: 2:1

2

2



1

1

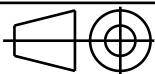
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOR
1		ANGELINA	Reflective PC	White

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K



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

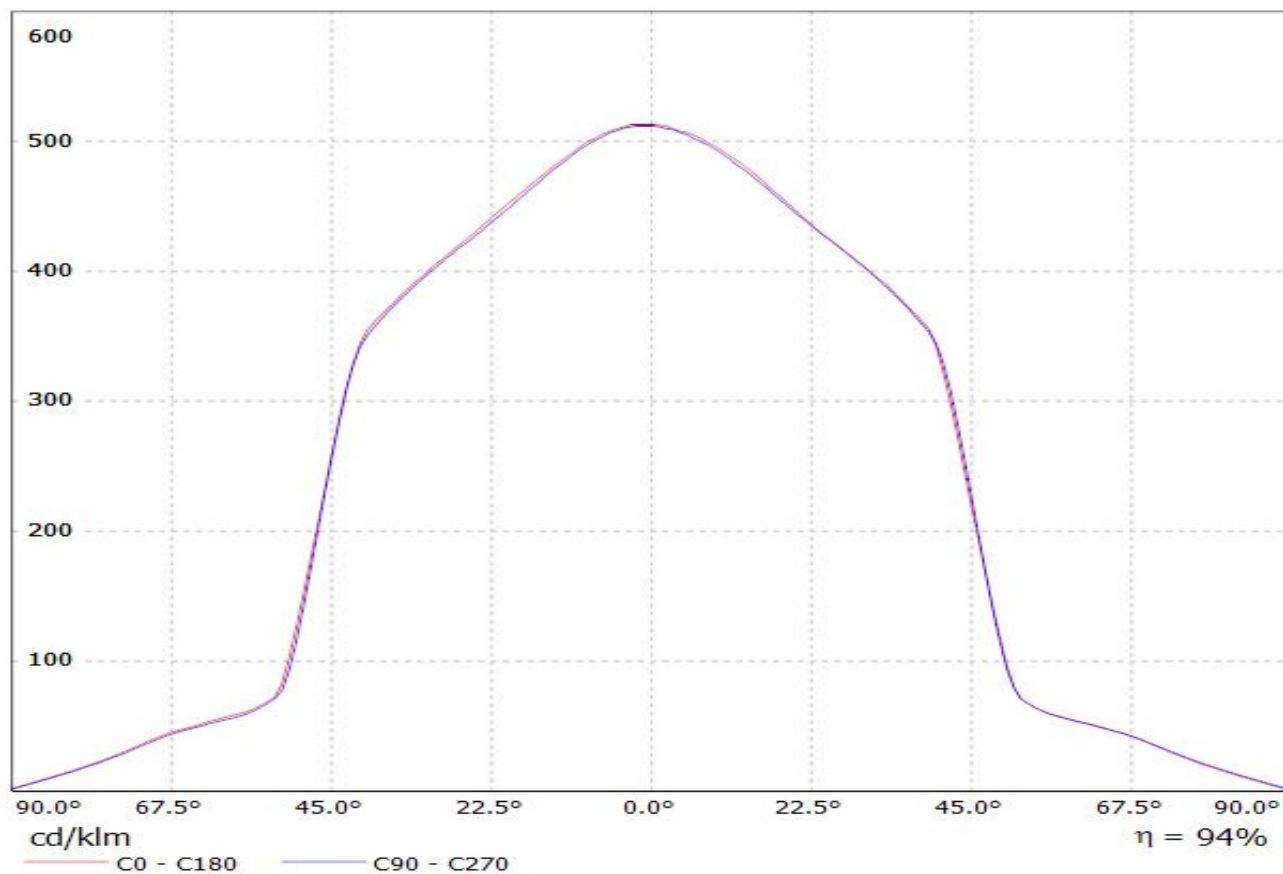
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SHEET 1/1

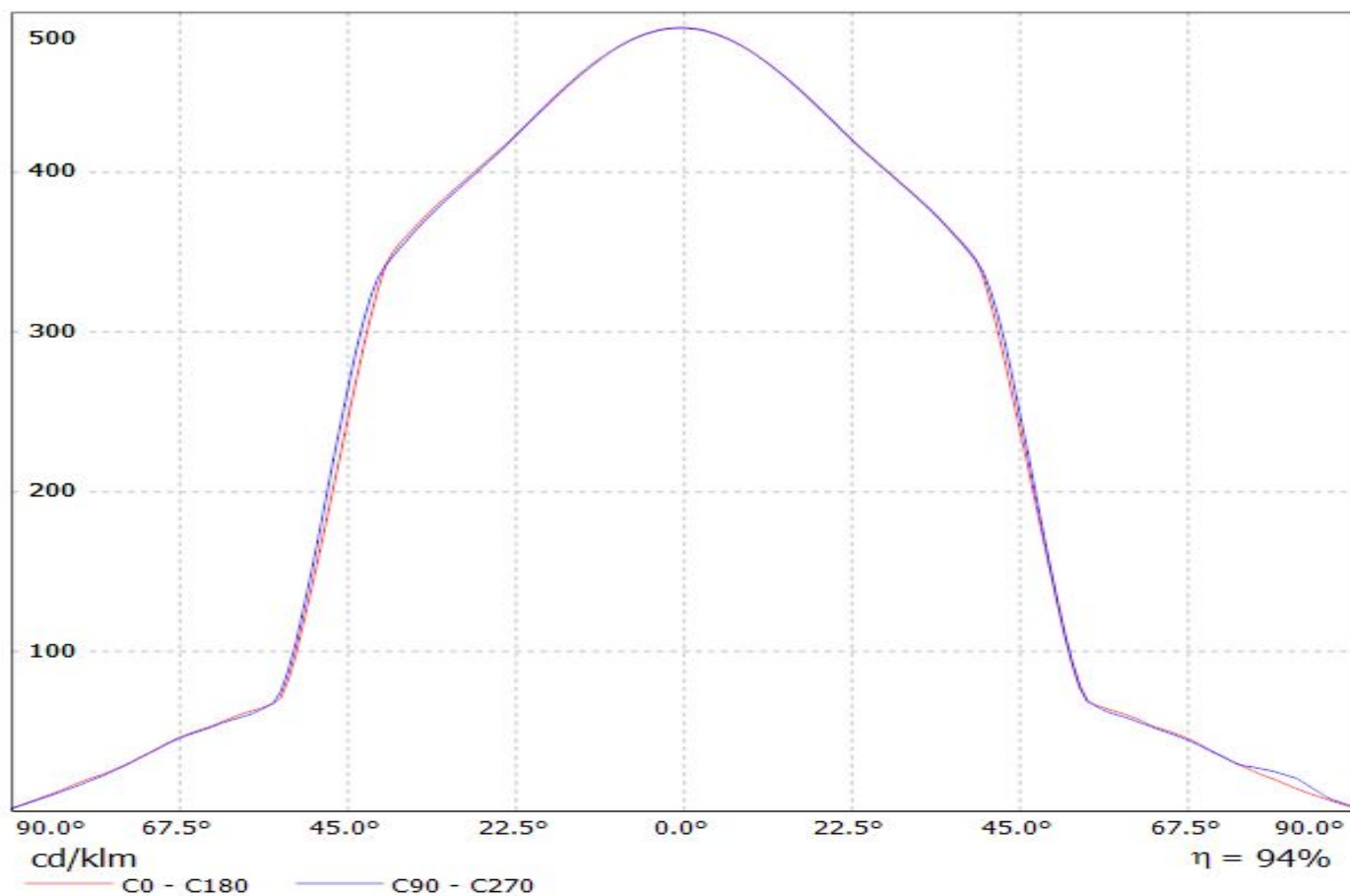
D

A

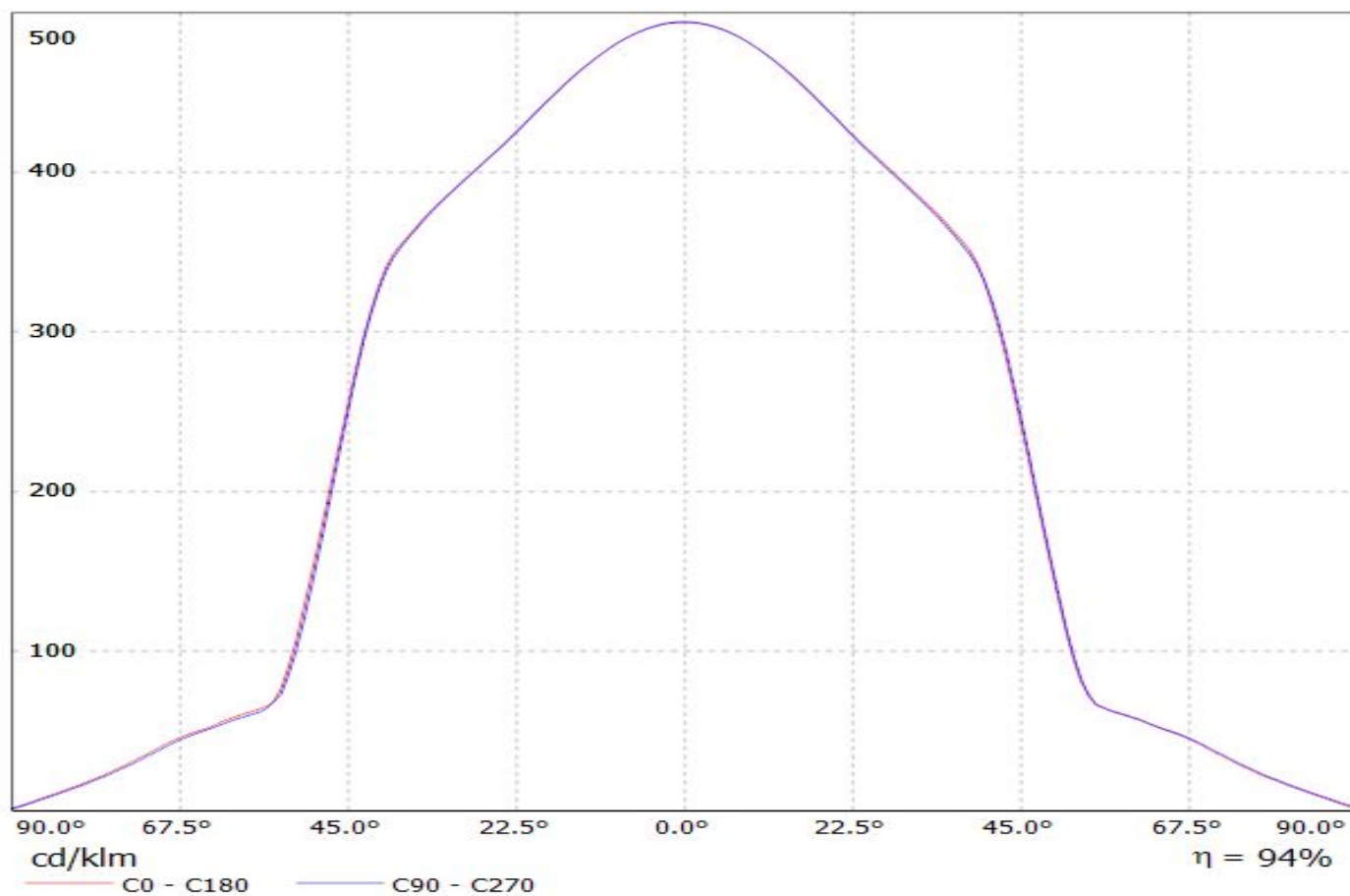
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LEP-2000-827-C-AC)
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)



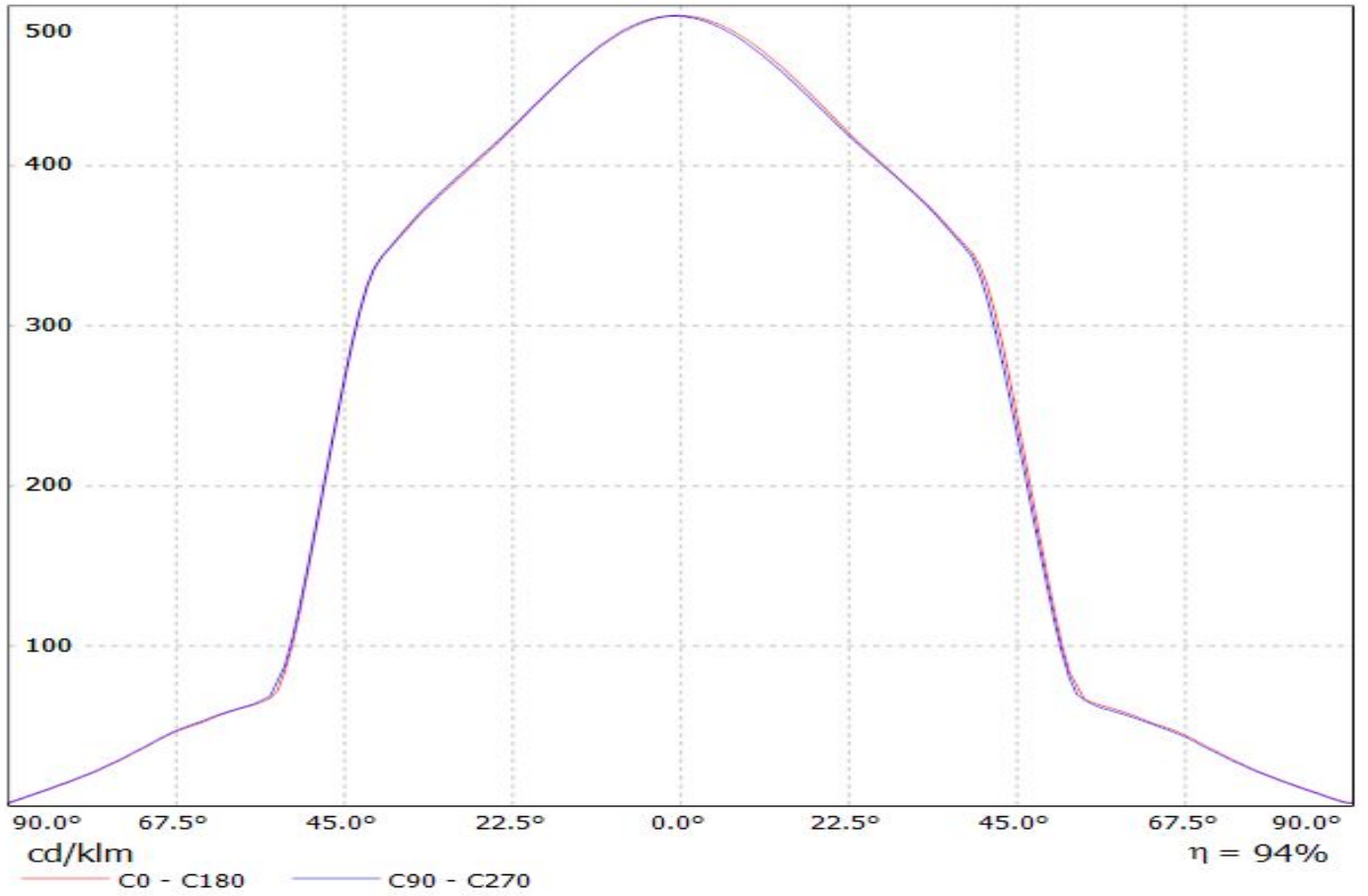
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_4500) Eff.94.3%
Lamps: 1 x Philips_FORTIMO_SLM_4500_1139.88lm@250mA_P=10.7416W_I=249.8mA



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES26) Eff.94.4%
Lamps: 1 x Tridonic_STARK_SLE_G2_LES26_1048.24lm@250mA_P=8.04403W_I=249.9mA

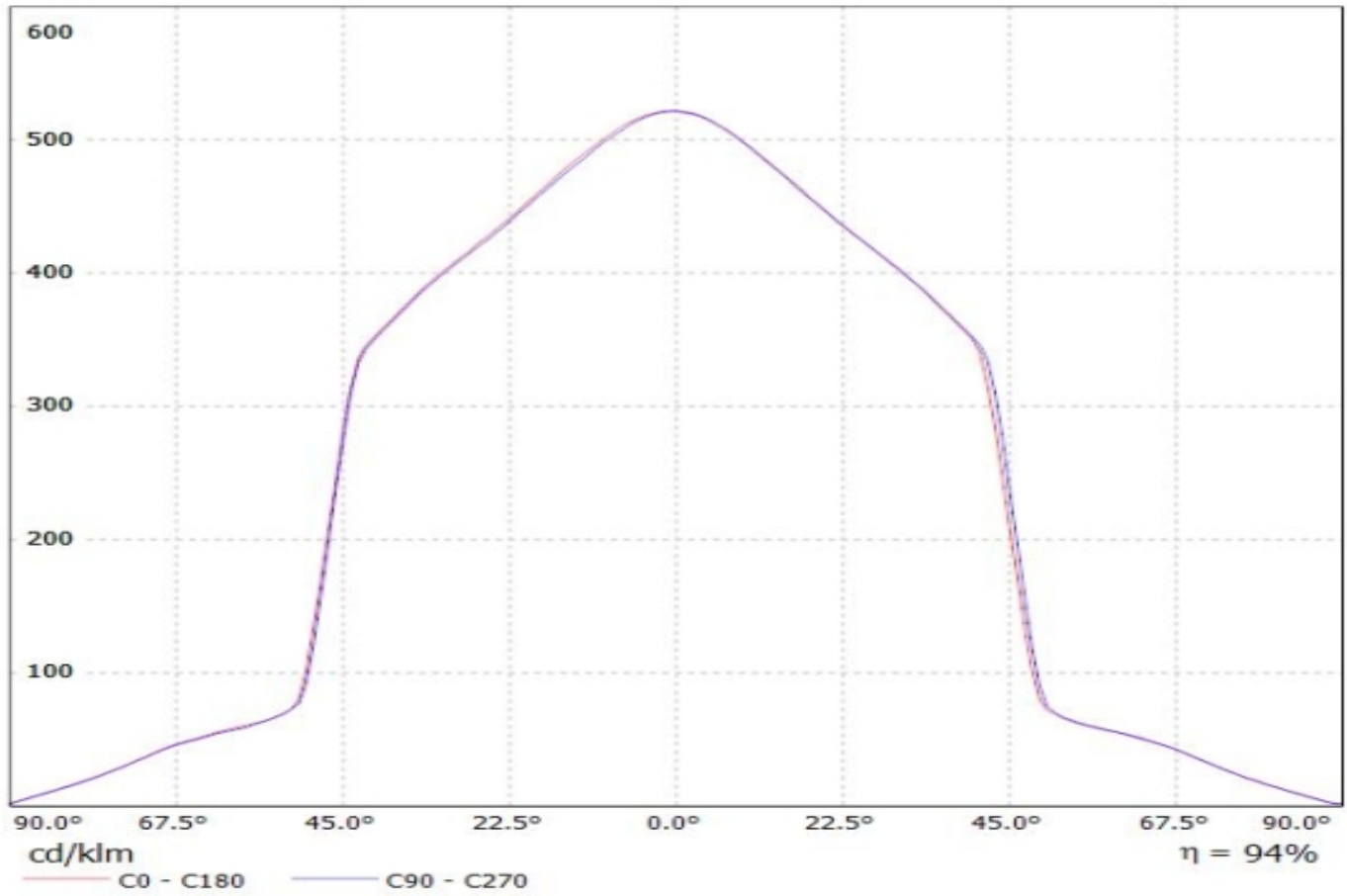


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES23) Eff.94.1%
Lamps: 1 x Tridonic_STARK_SLE_G2_LES23_955.501lm@250mA_P=8.34207W_I=249.8mA

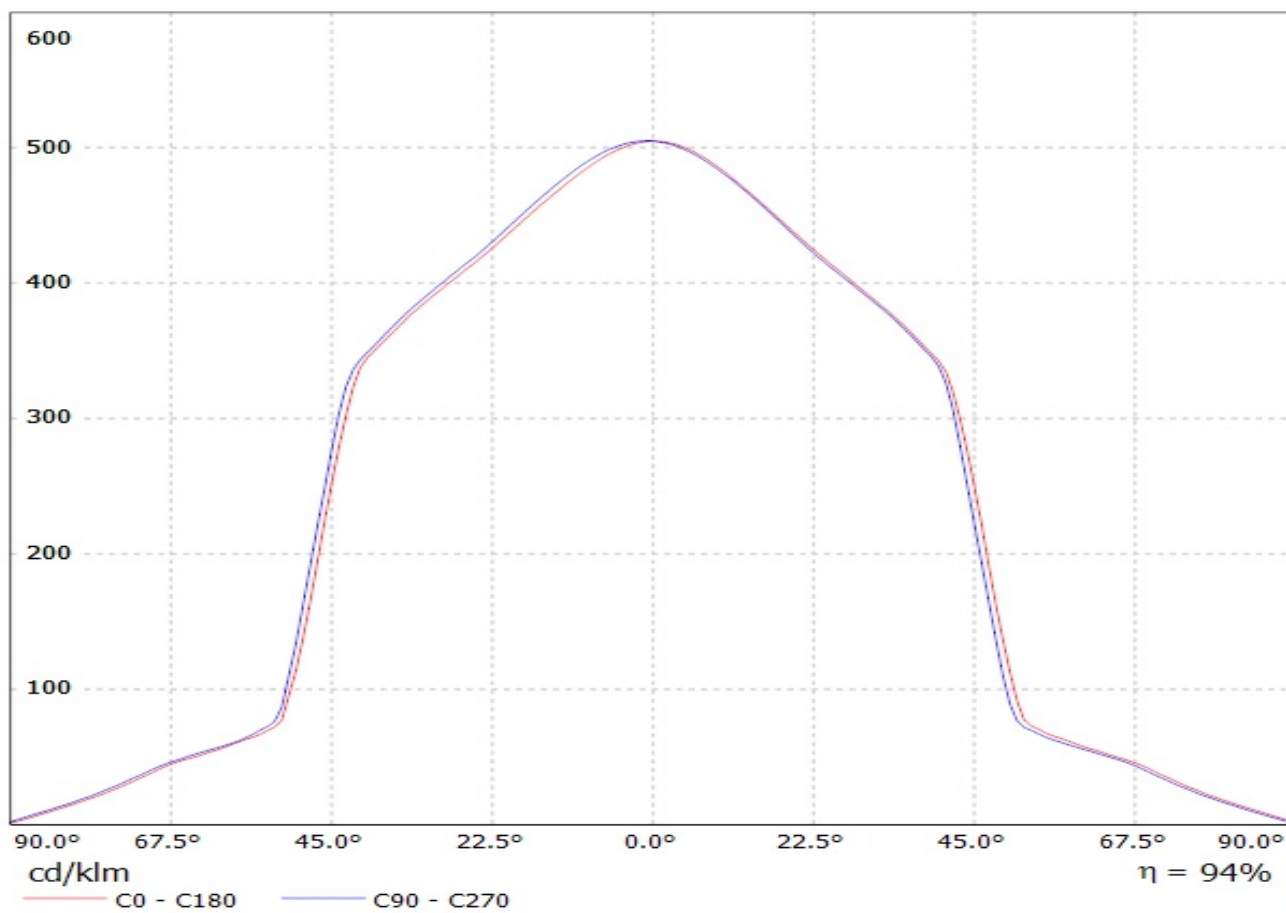


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LEP-800-827-C-AC)

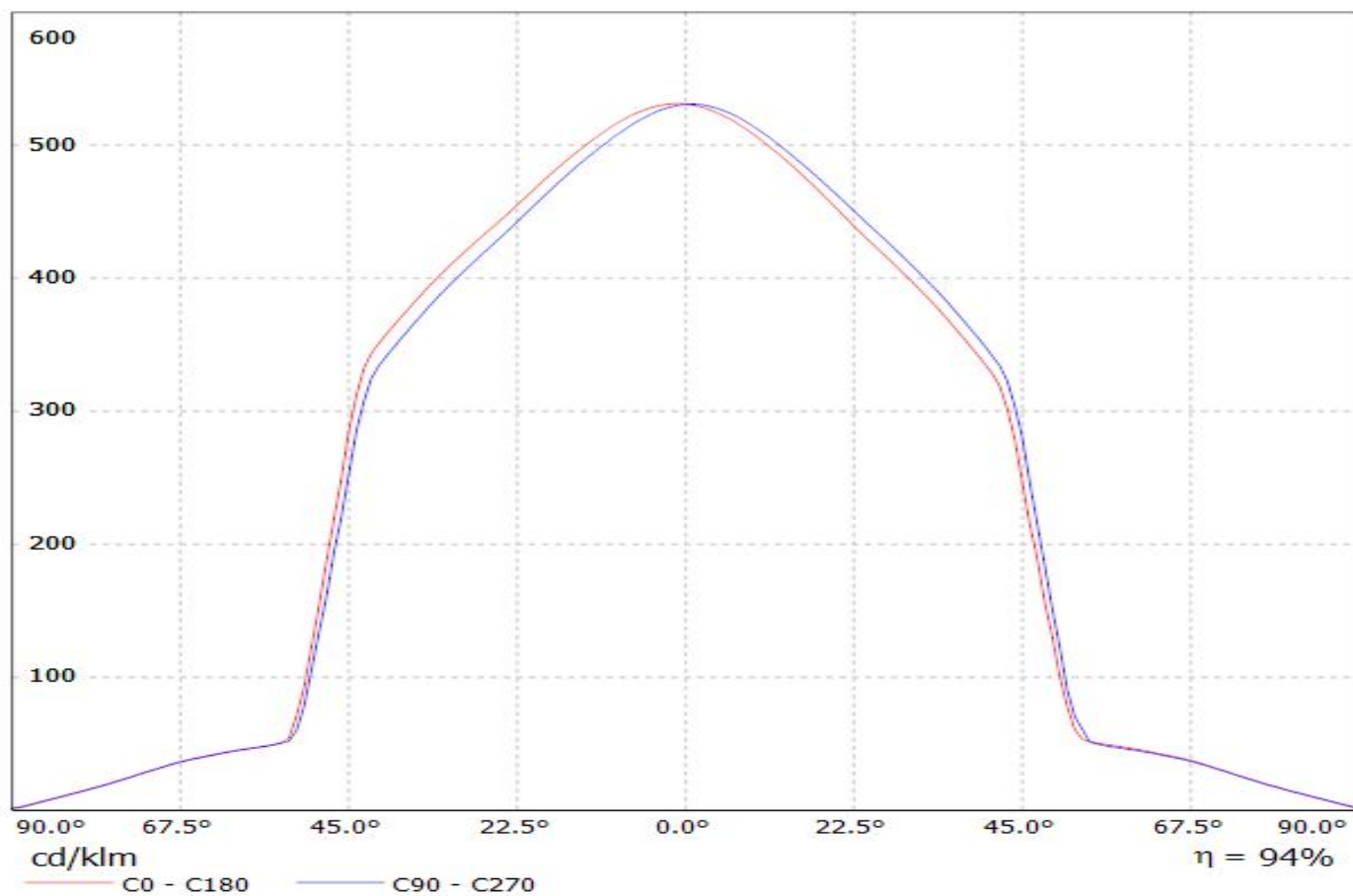
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-800-827-C-AC) 910lm@60mA U:230V P:14W



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(PrevaLED_Z4) Eff: 94%
Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1433.3lm@250mA_P=10.7652W_I=249.9mA

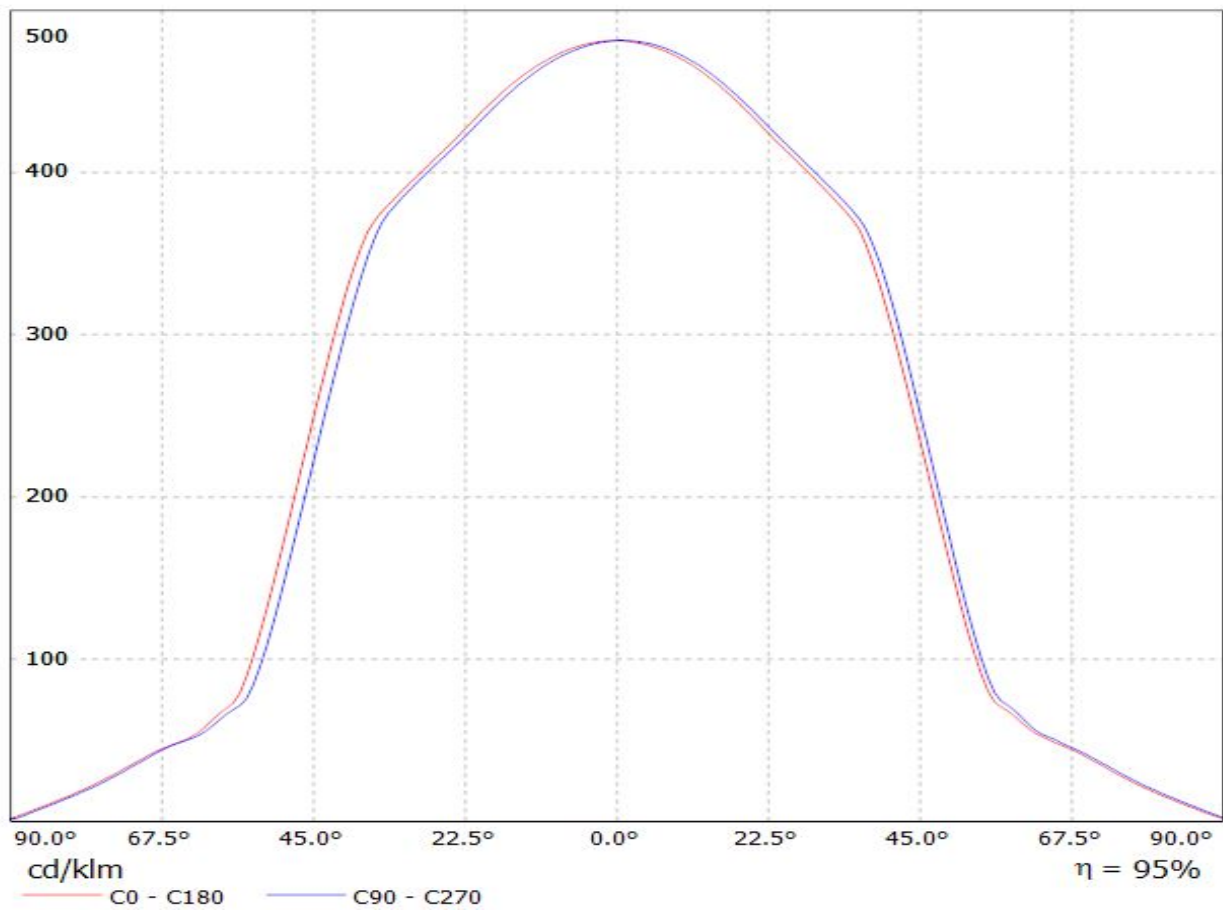


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(K16) Eff.94.0%
Lamps: 1 x Luxeon_K16_1246lm@250mA_P=10.8991W_U=249.9mA

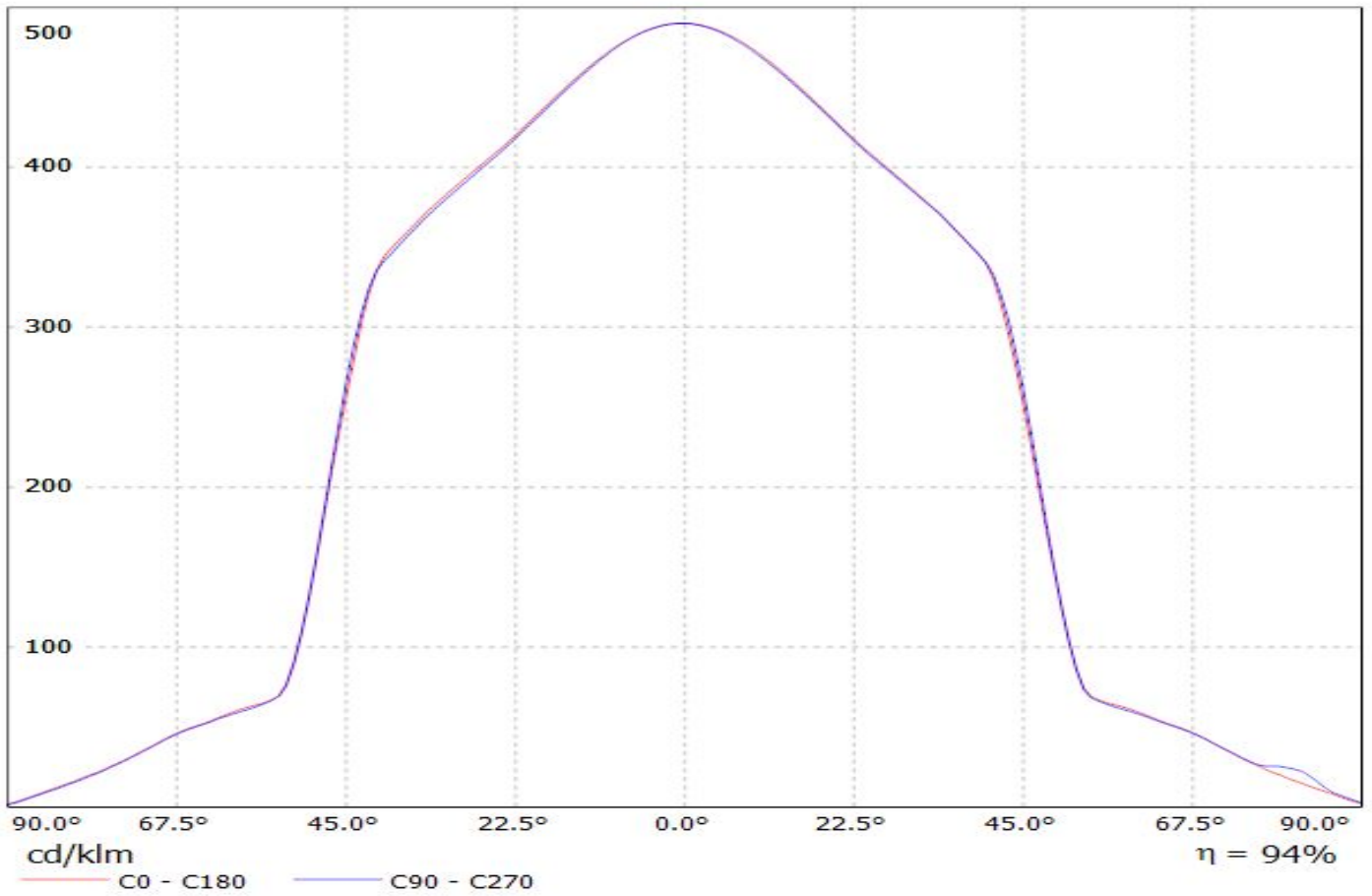


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(CXA3590)

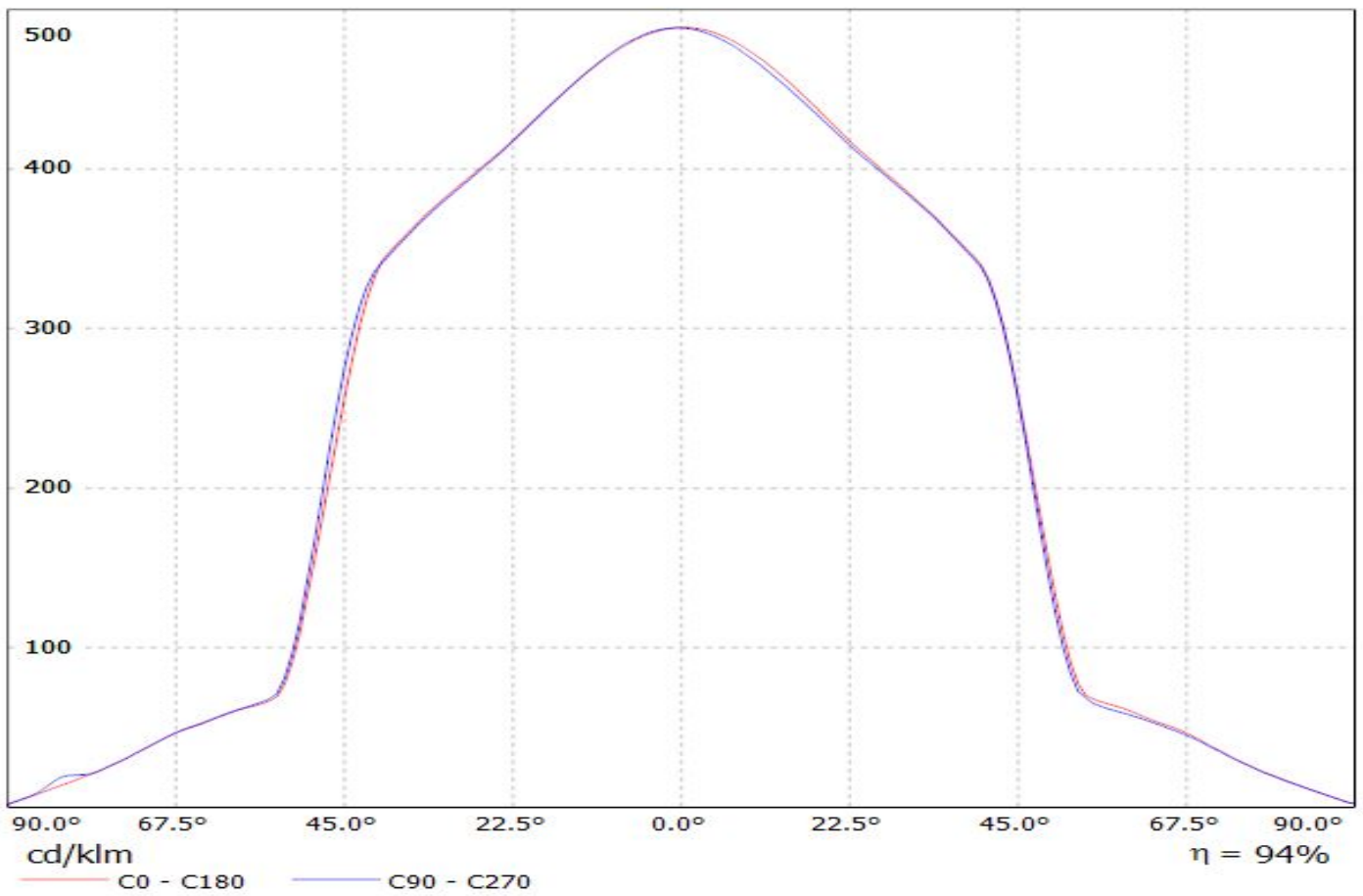
Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.8mA



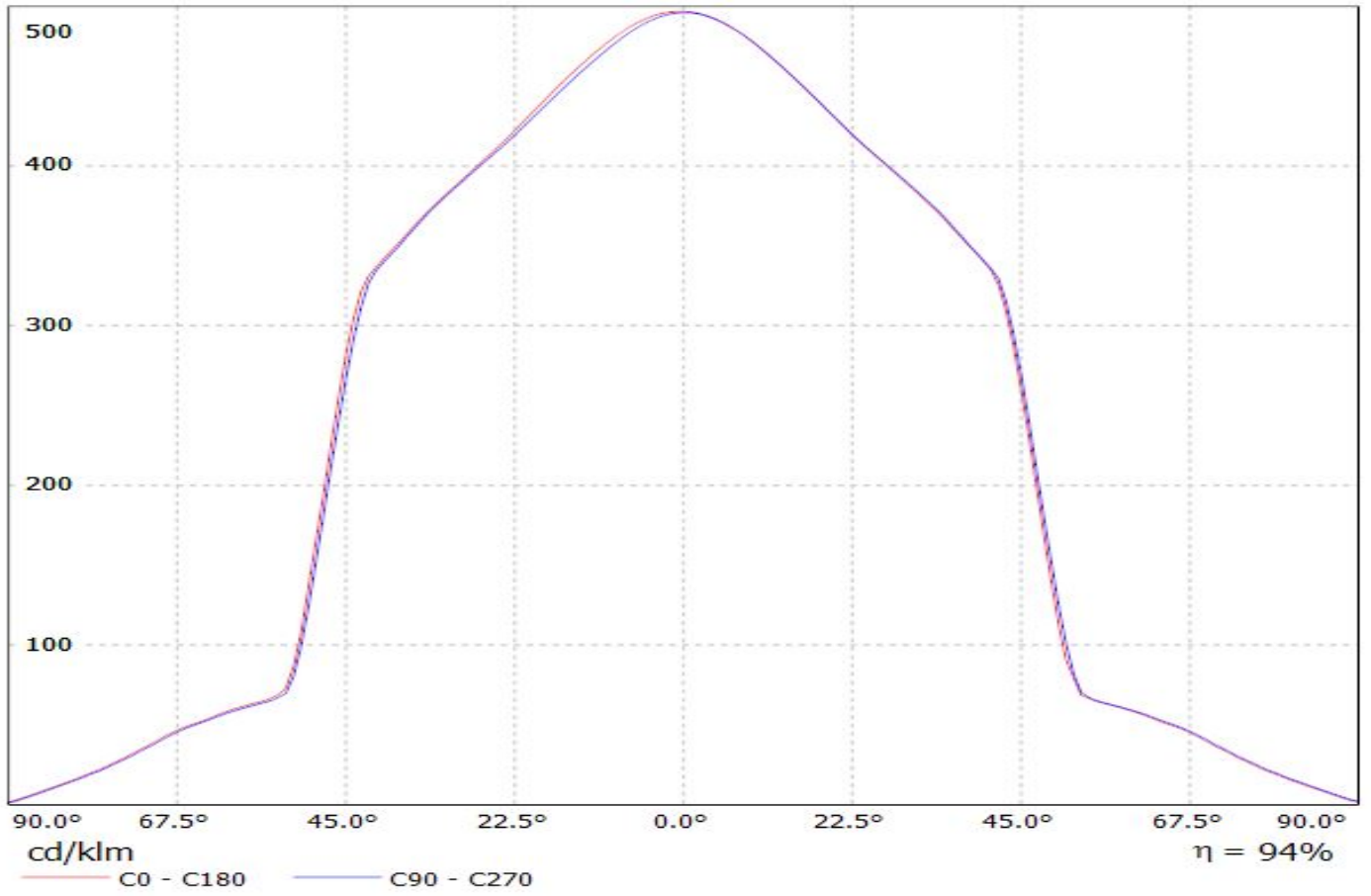
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_2000) Eff.94.1%
Lamps: 1 x Philips_FORTIMO_SLM_2000_728.985lm@250mA_P=6.244W_I=249.9W



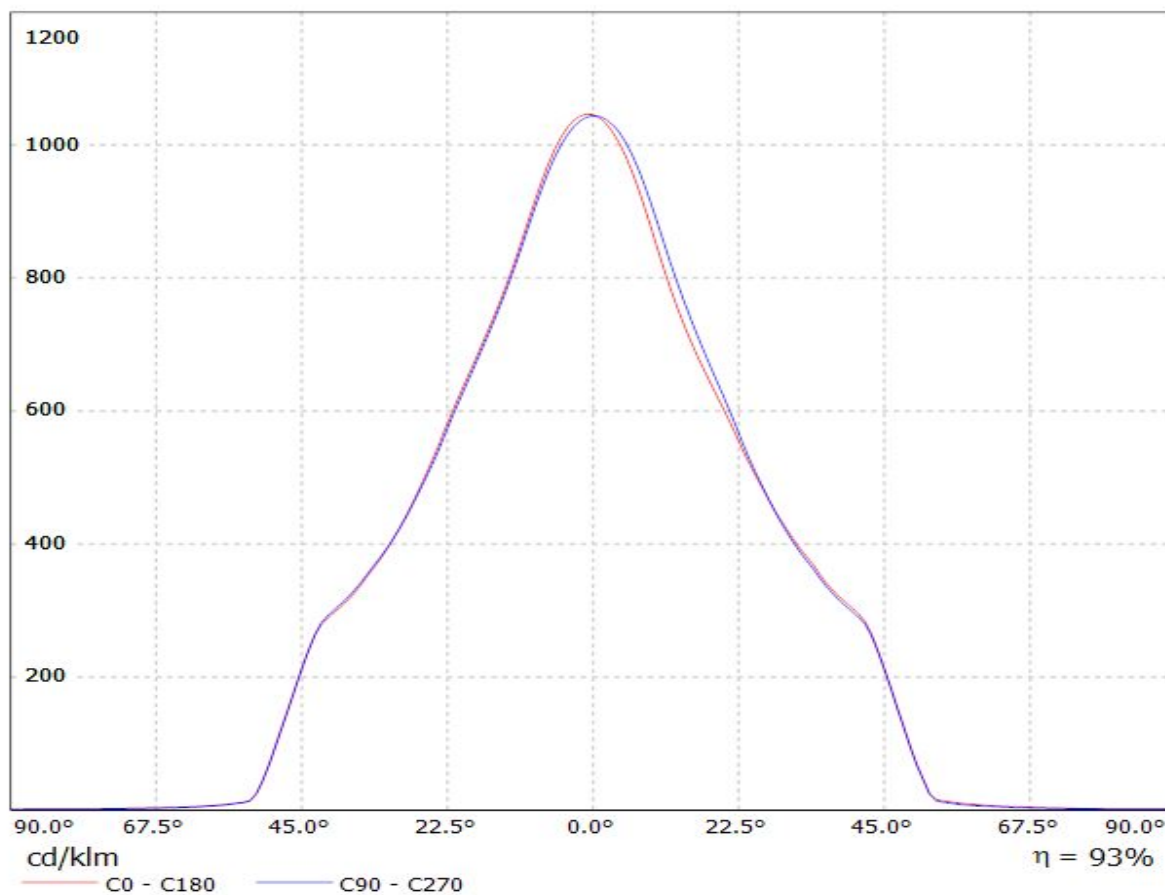
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_3000) Eff.94.2%
Lamps: 1 x Philips_FORTIMO_SLM_3000_1066.81lm@250mA_P=8.8817W_I=249.9mA



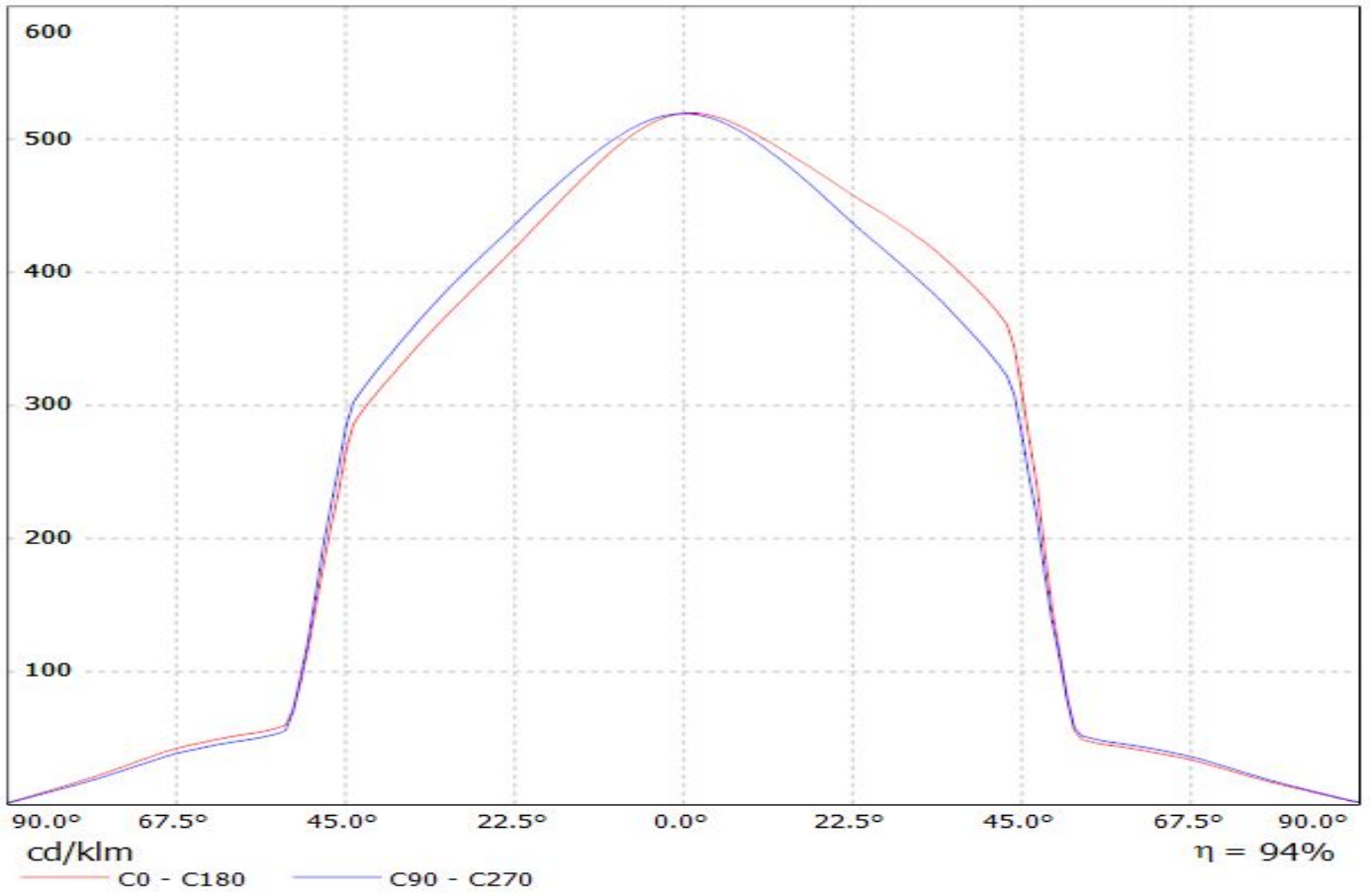
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES19) Eff.94.4%
Lamps: 1 x Tridonic_STARK_SLE_G2_LES19_946.117lm@250mA_P=8.43263W_I=249.9mA



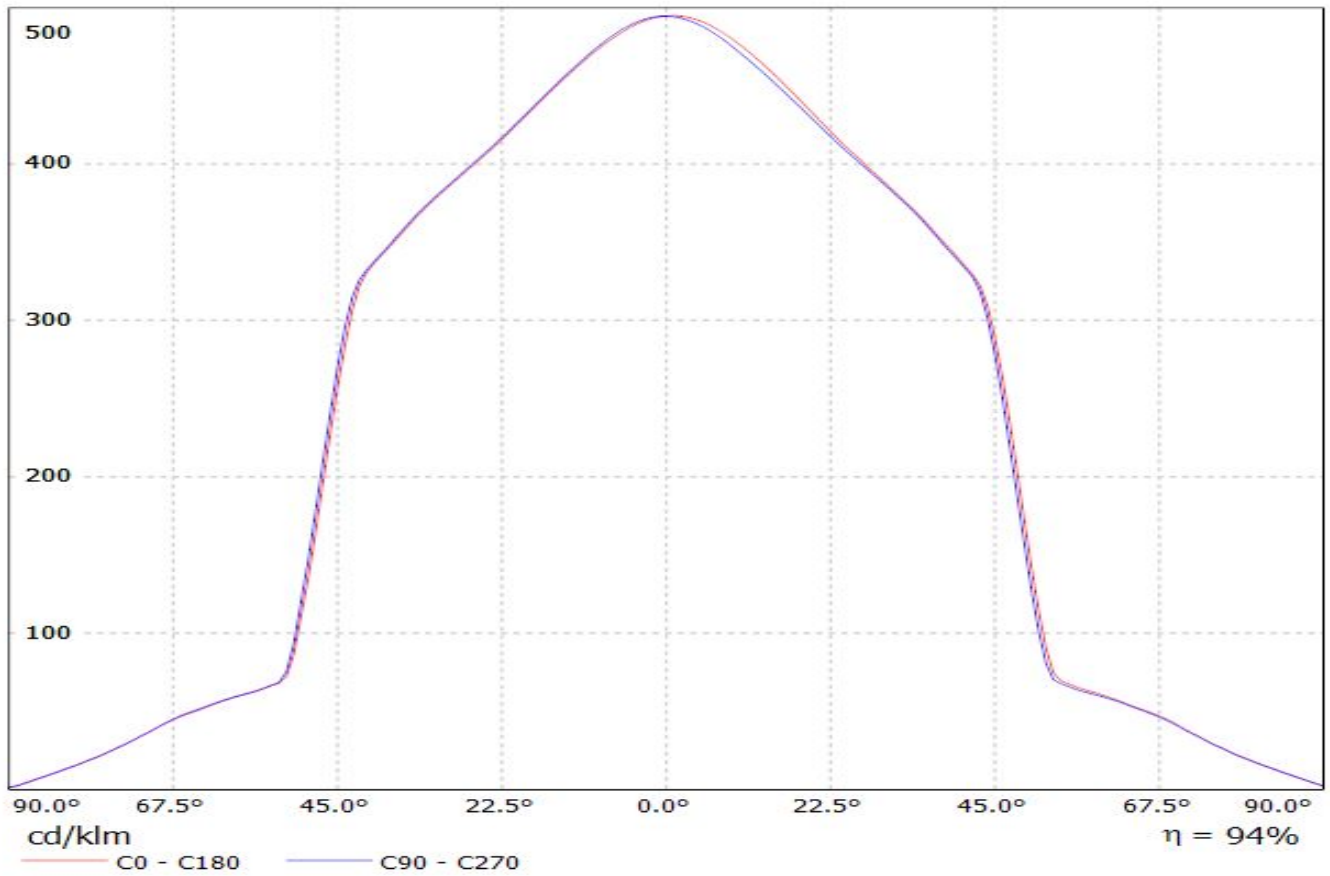
Luminaire: LEDiL Oy F13402_ANGELINA-W_(SOLERIQ_S19_&_TE_2213407-2)
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1393.62lm@250mA_CCT=3000K_P=10.5683W_I=249.8mA



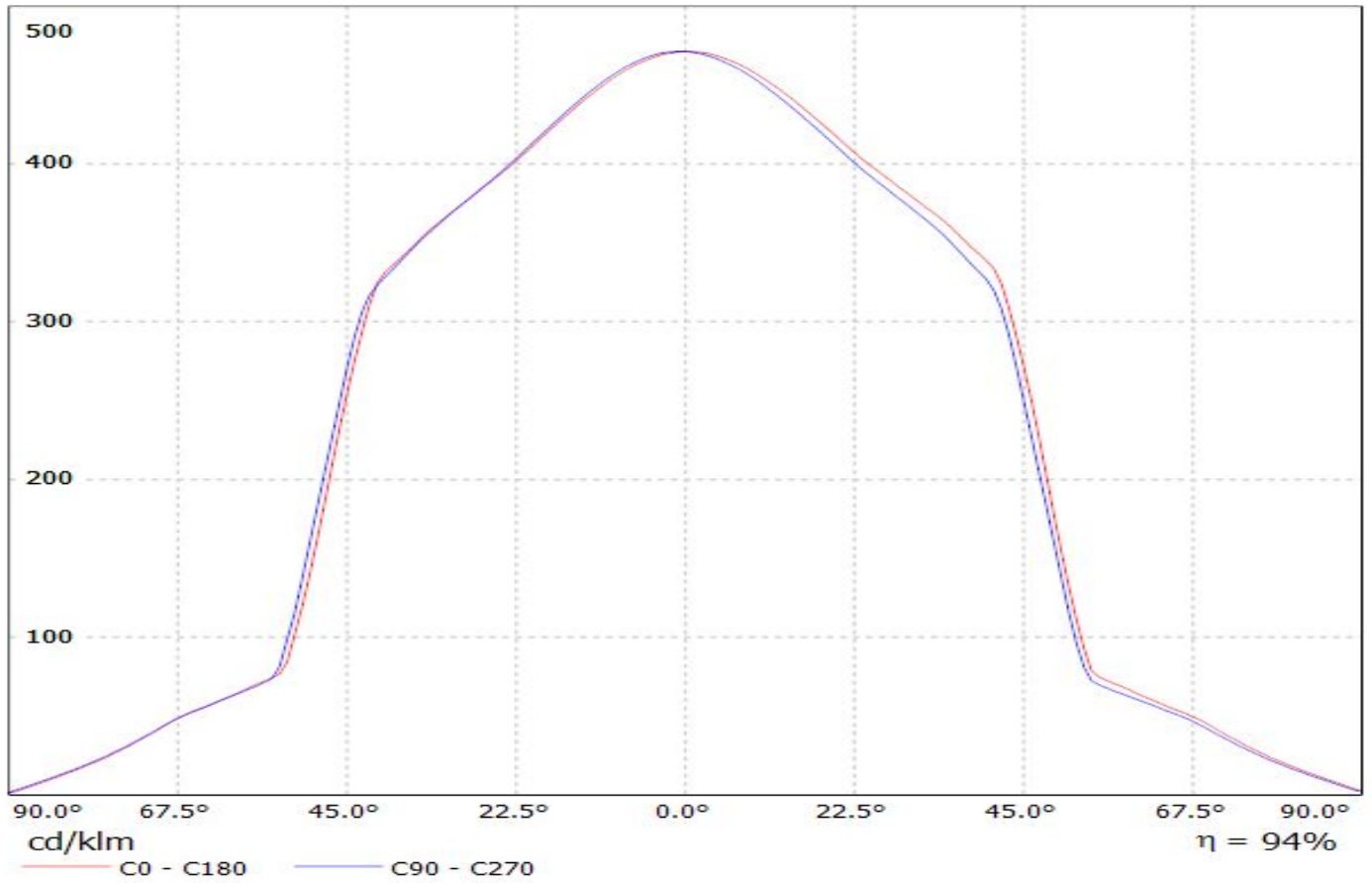
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(K12) Eff.94.0%
Lamps: 1 x Luxeon_K12_937.4lm@250mA_CCT=4000K_P=8.19472_I=249.9mA



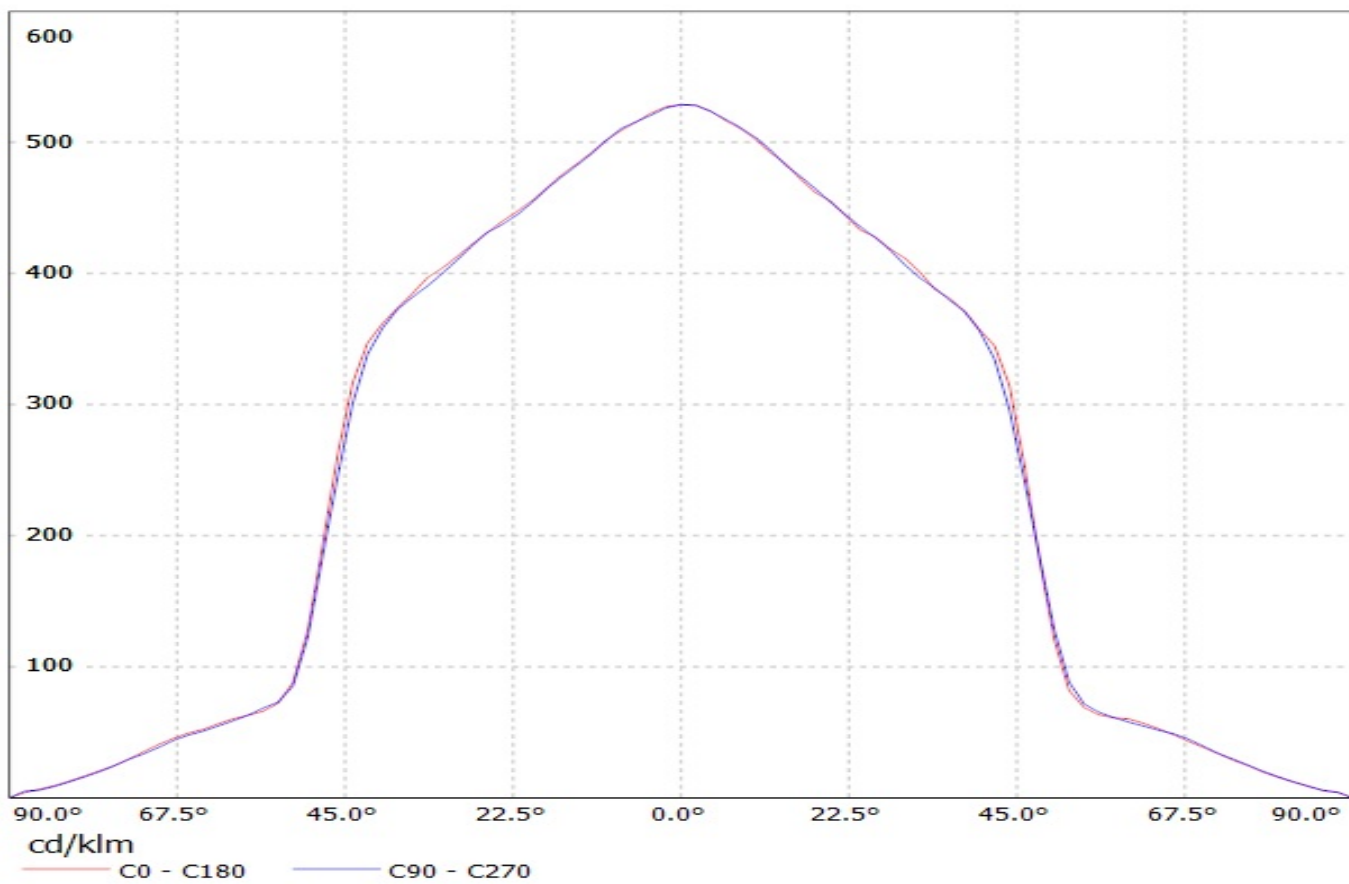
Luminaire: LEDiL Oy F13838_ANGELINA_XW_(MZ) Eff.94.0%
Lamps: 1 x Sharp_Mega_Zenigata_1226.07lm@250mA_P=11.1573W_I=249.8mA



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-486) Eff.93.5%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA

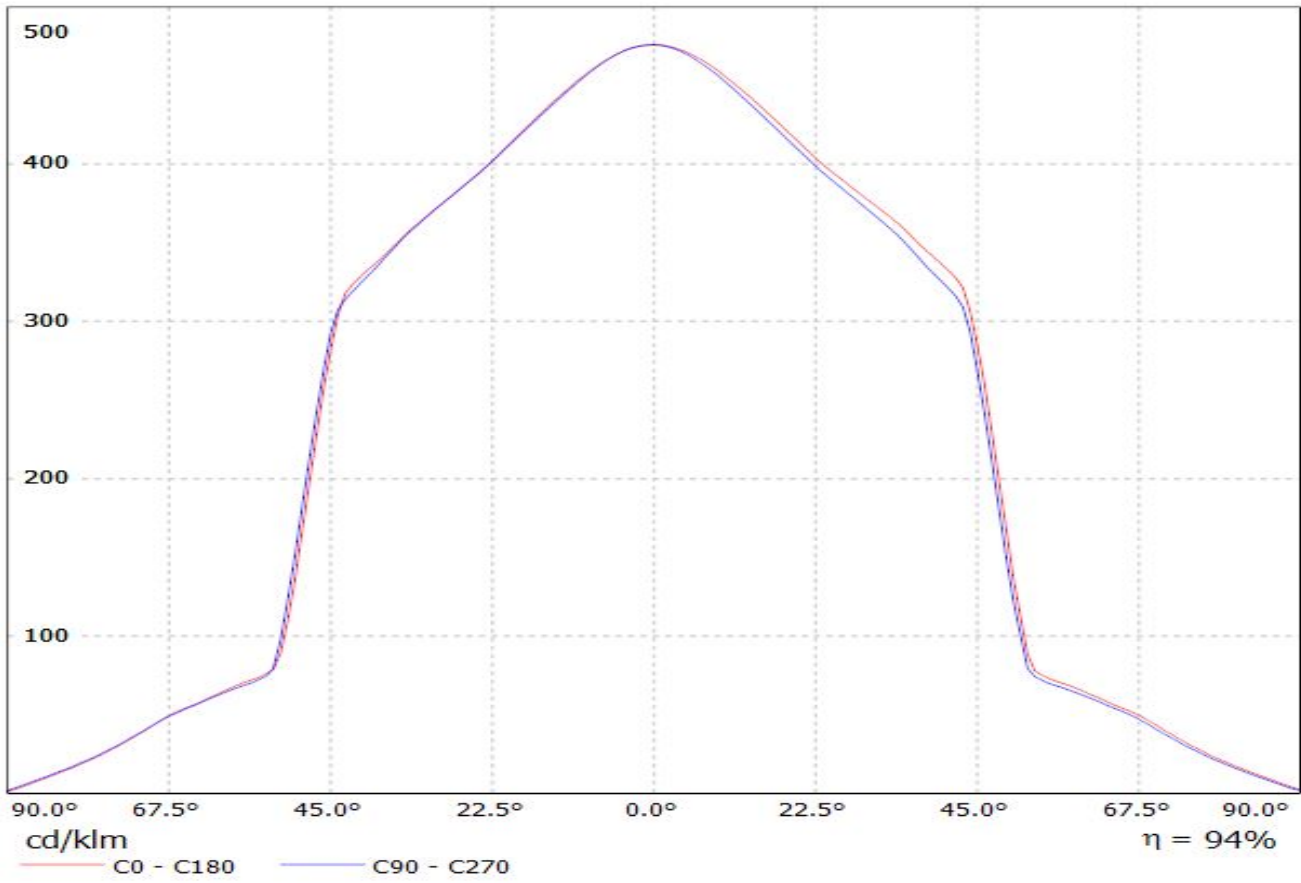


Luminaire: LEDil Oy F13838_ANGELINA-XW_(Soleriq_S13) Efficiency=94%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA



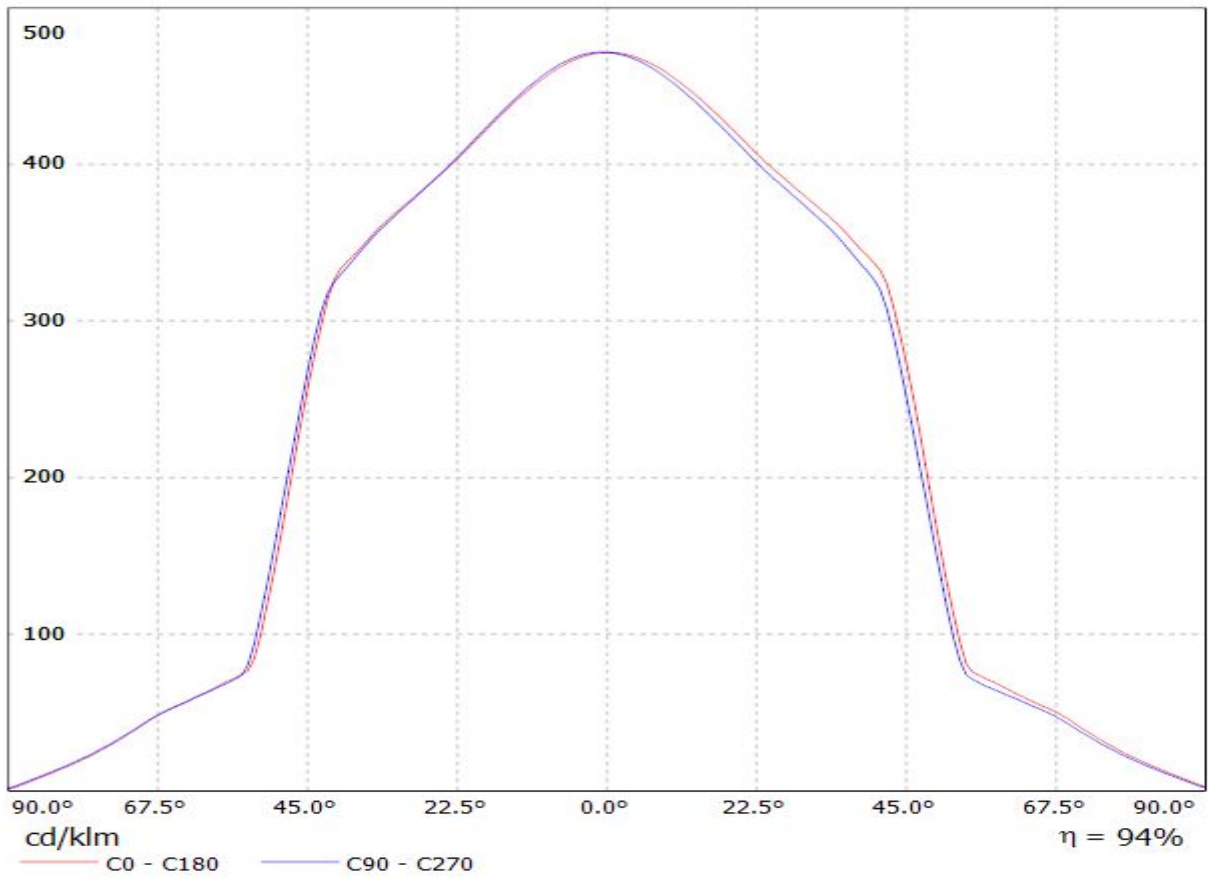
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.125lm@250mA_P=5.59976W_I=249.9mA

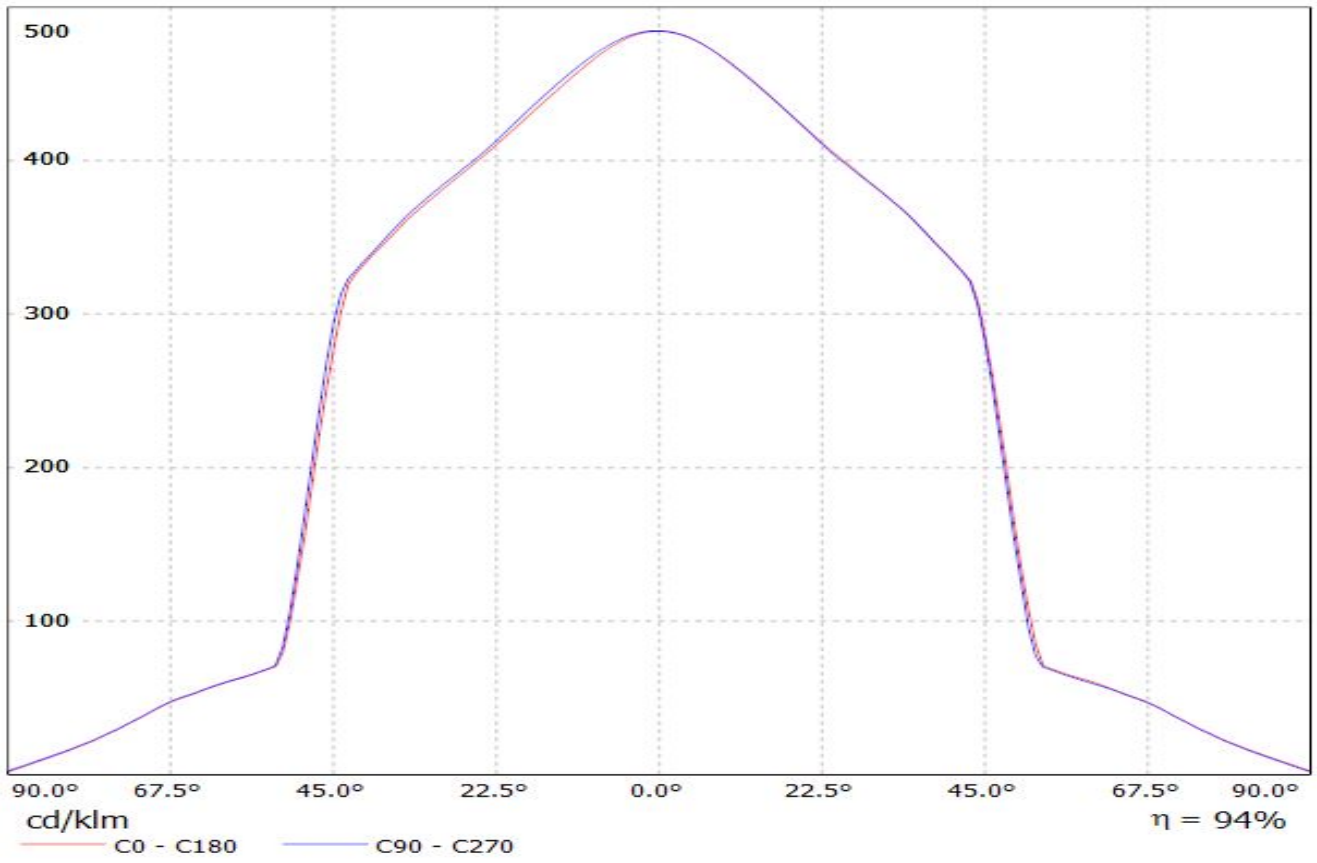


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-485)

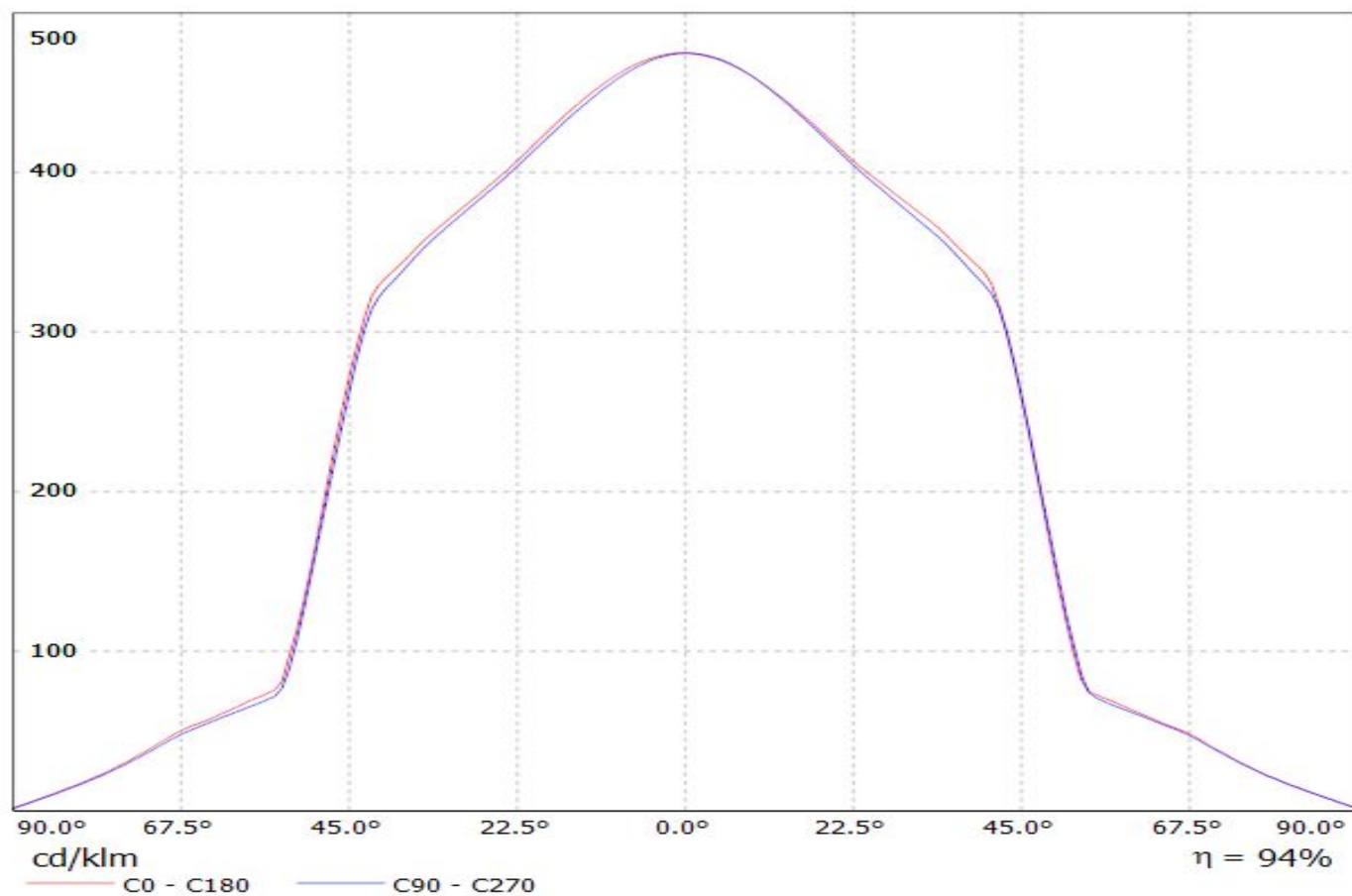
Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA



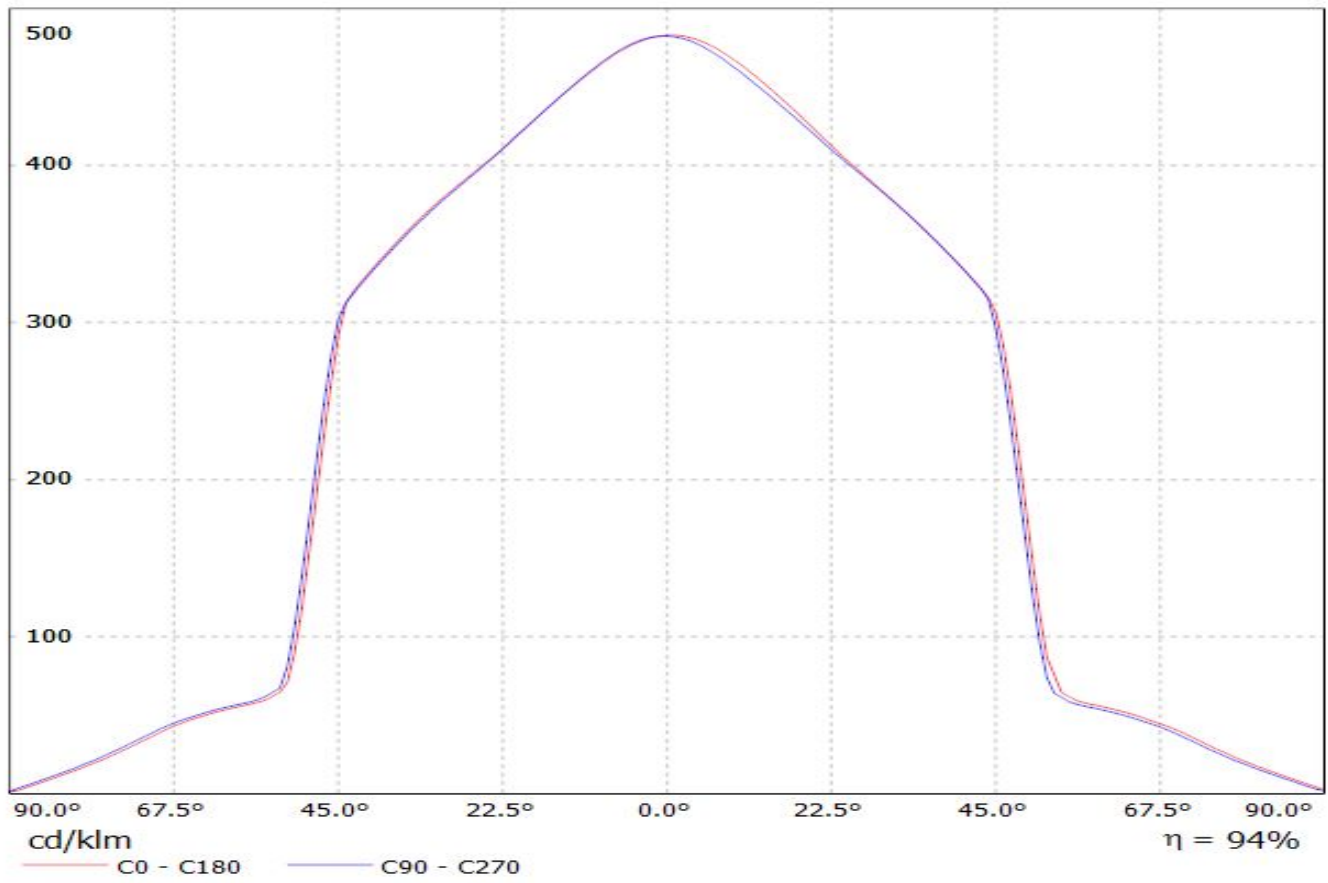
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(CXM-14)
Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



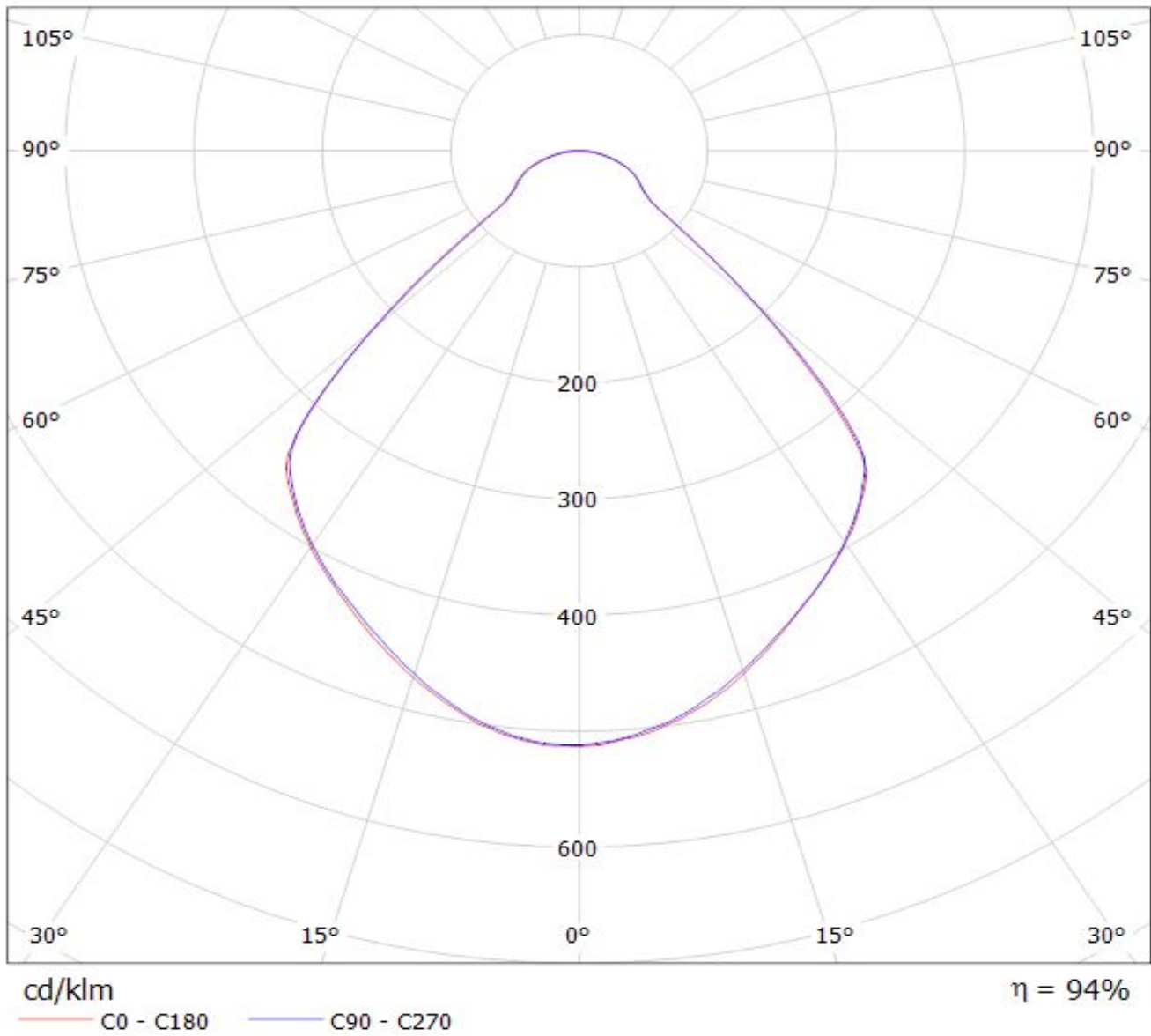
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-464) Eff.94.1%
Lamps: 1 x VOSSLOH_WU-M-464-827_1452.09lm@250mA_P=11.7139W_I=249.8mA



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(NSBxL121A)
Lamps: 1 x Nichia_NSBxL121A_935.409lm@250mA_P=7.57219W_I=249.8mA

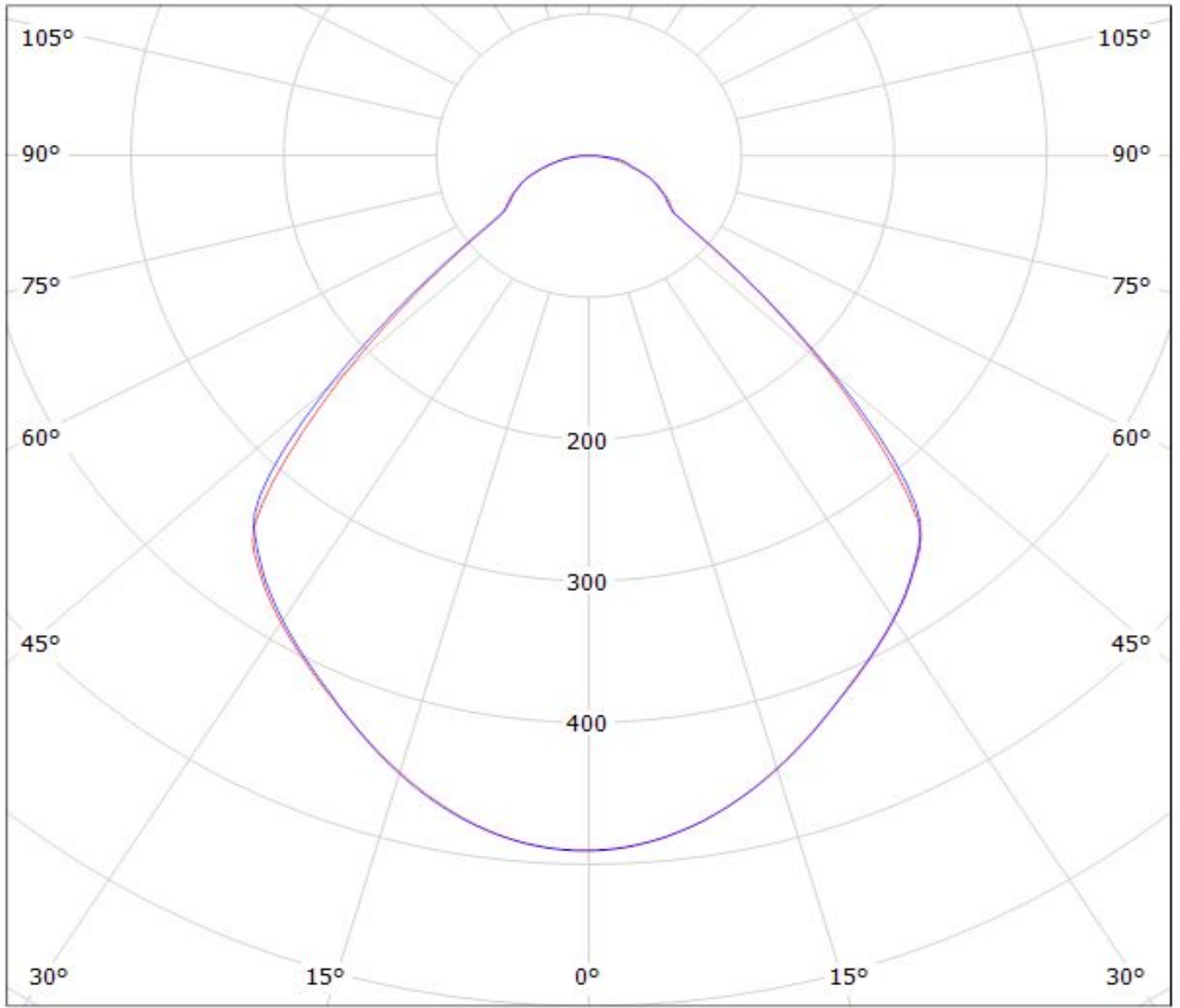


Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LEP-2000-827-C-AC)
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_4500) Eff.94.3%

Lamps: 1 x Philips_FORTIMO_SLM_4500_1139.88lm@250mA_P=10.7416W_I=249.8mA



cd/klm

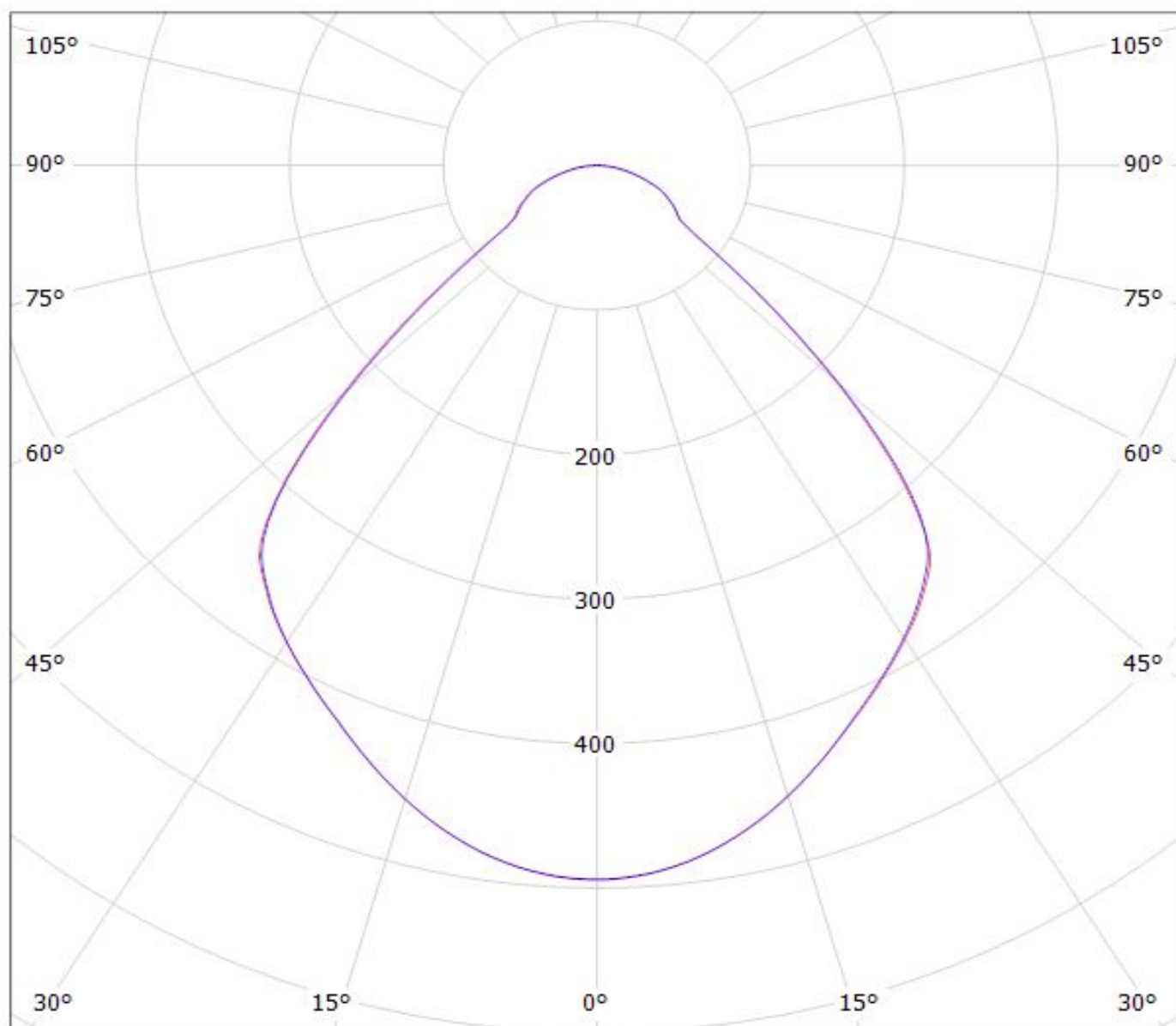
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES26) Eff.94.4%

Lamps: 1 x Tridonic_STARK_SLE_G2_LES26_1048.24lm@250mA_P=8.04403W_I=249.9mA



cd/klm

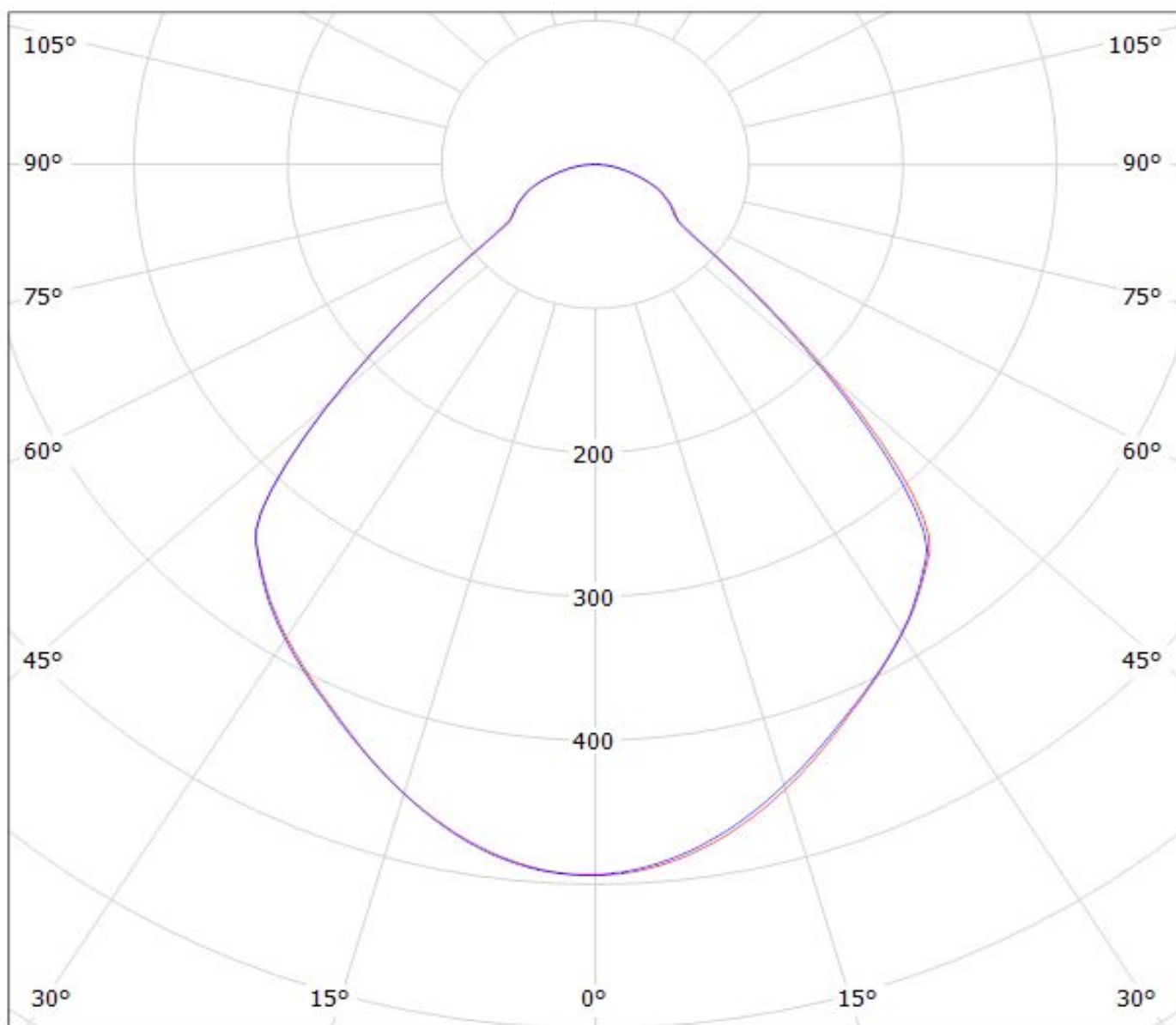
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES23) Eff.94.1%

Lamps: 1 x Tridonic_STARK_SLE_G2_LES23_955.501lm@250mA_P=8.34207W_I=249.8mA



cd/klm

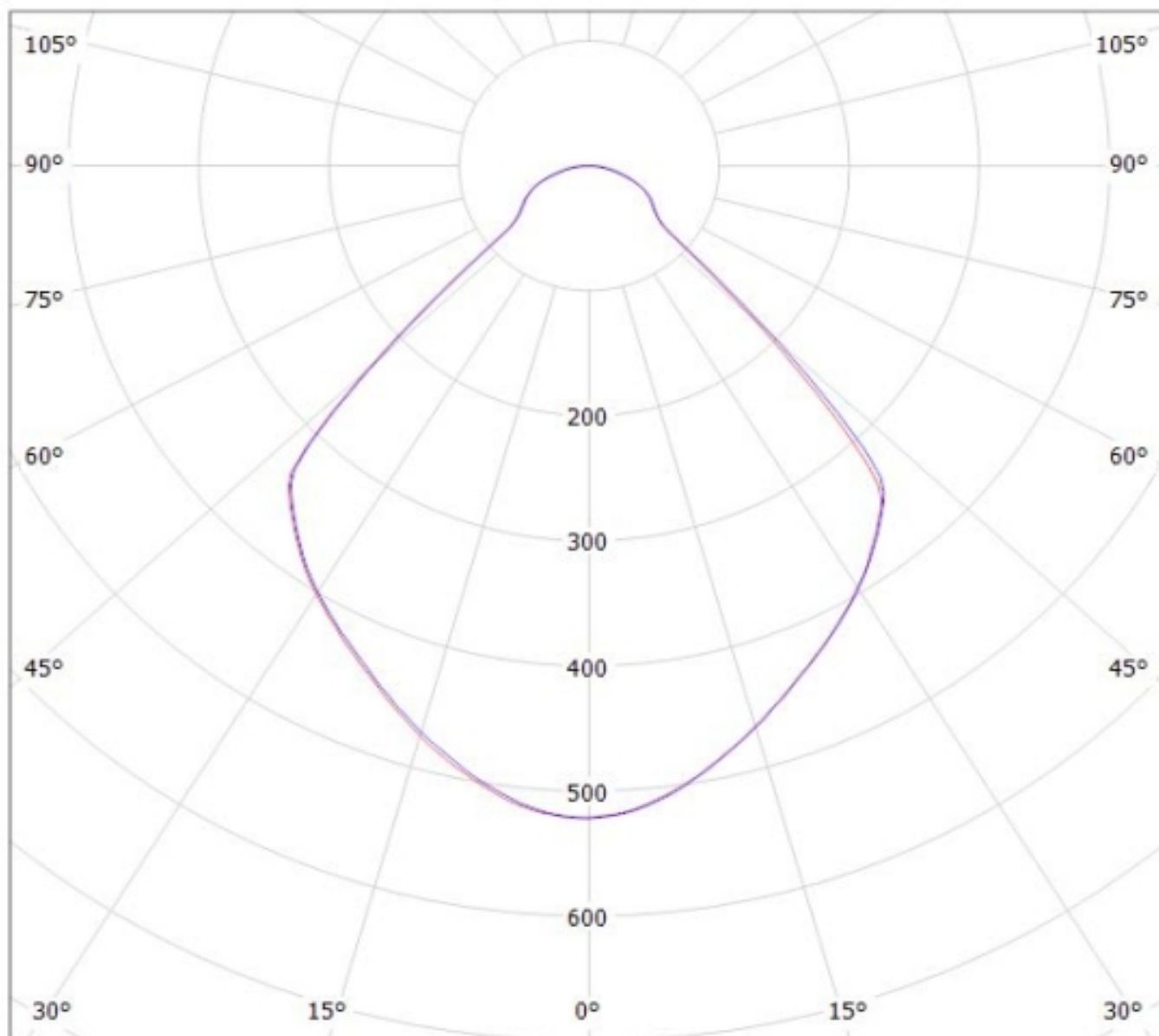
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LEP-800-827-C-AC)

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



cd/klm

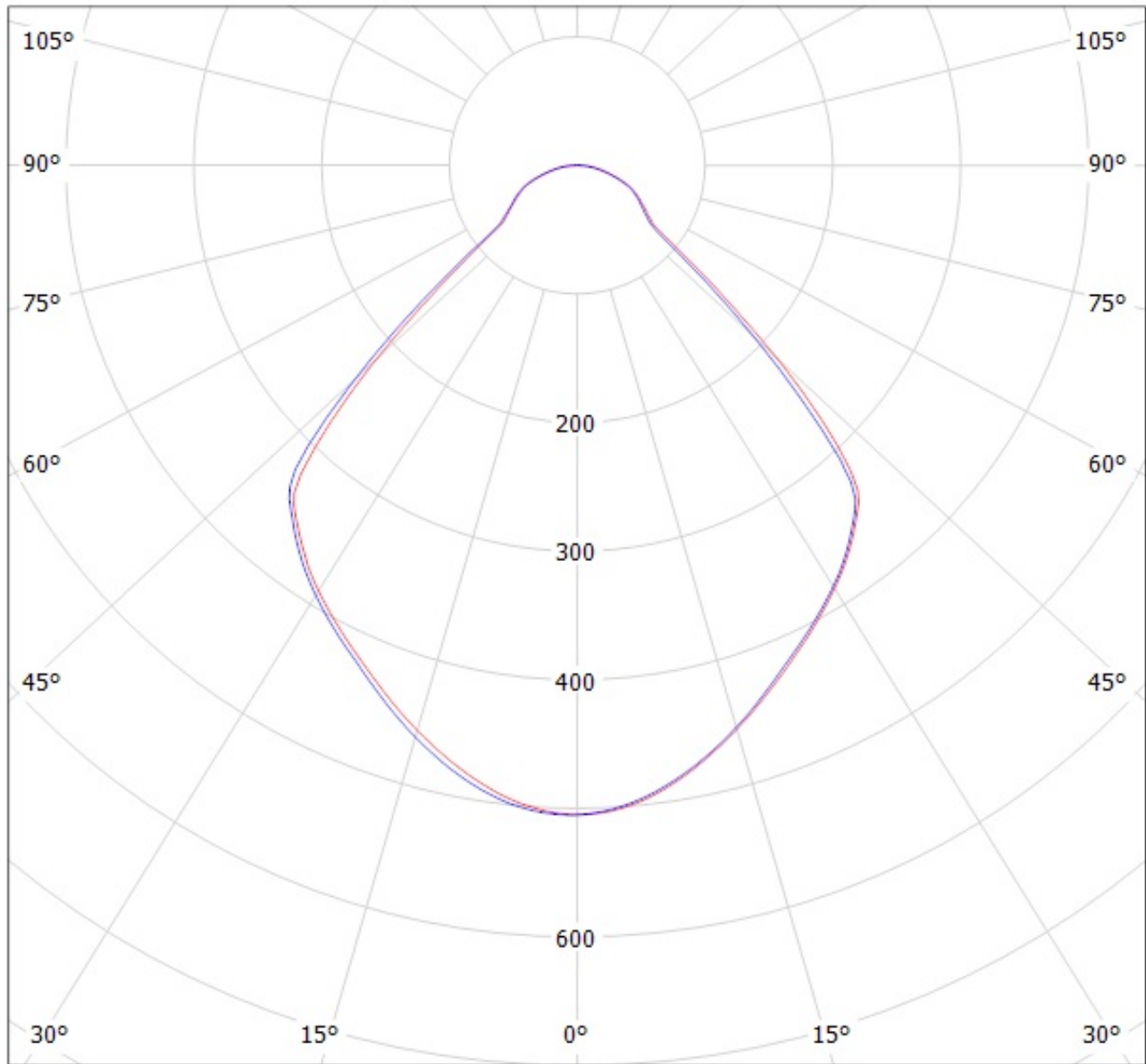
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(PrevaLED_Z4) Eff: 94%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1433.3lm@250mA_P=10.7652W_I=249.9mA



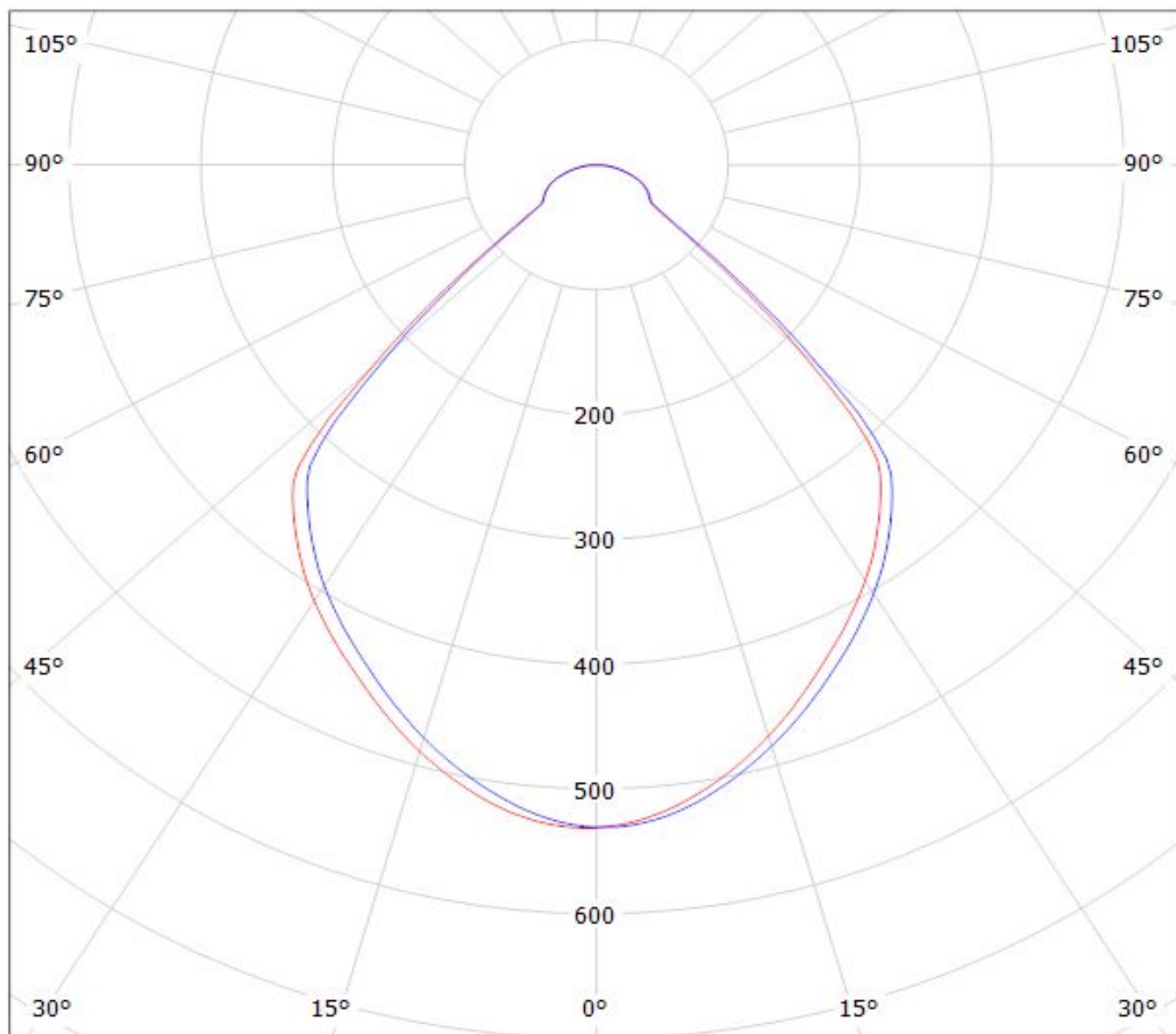
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(K16) Eff.94.0%
Lamps: 1 x Luxeon_K16_1246lm@250mA_P=10.8991W_U=249.9mA



cd/klm

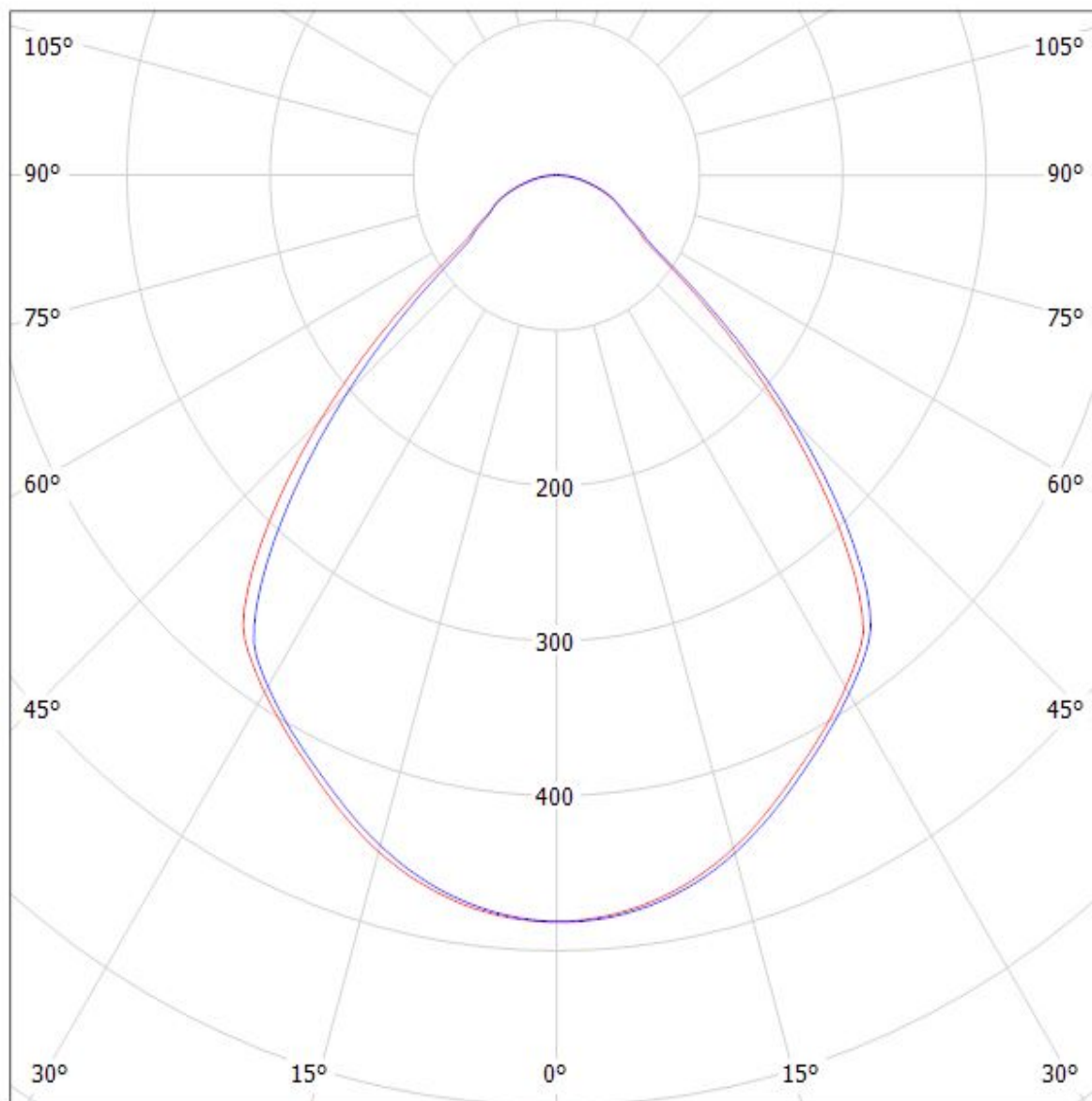
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(CXA3590)

Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.8mA



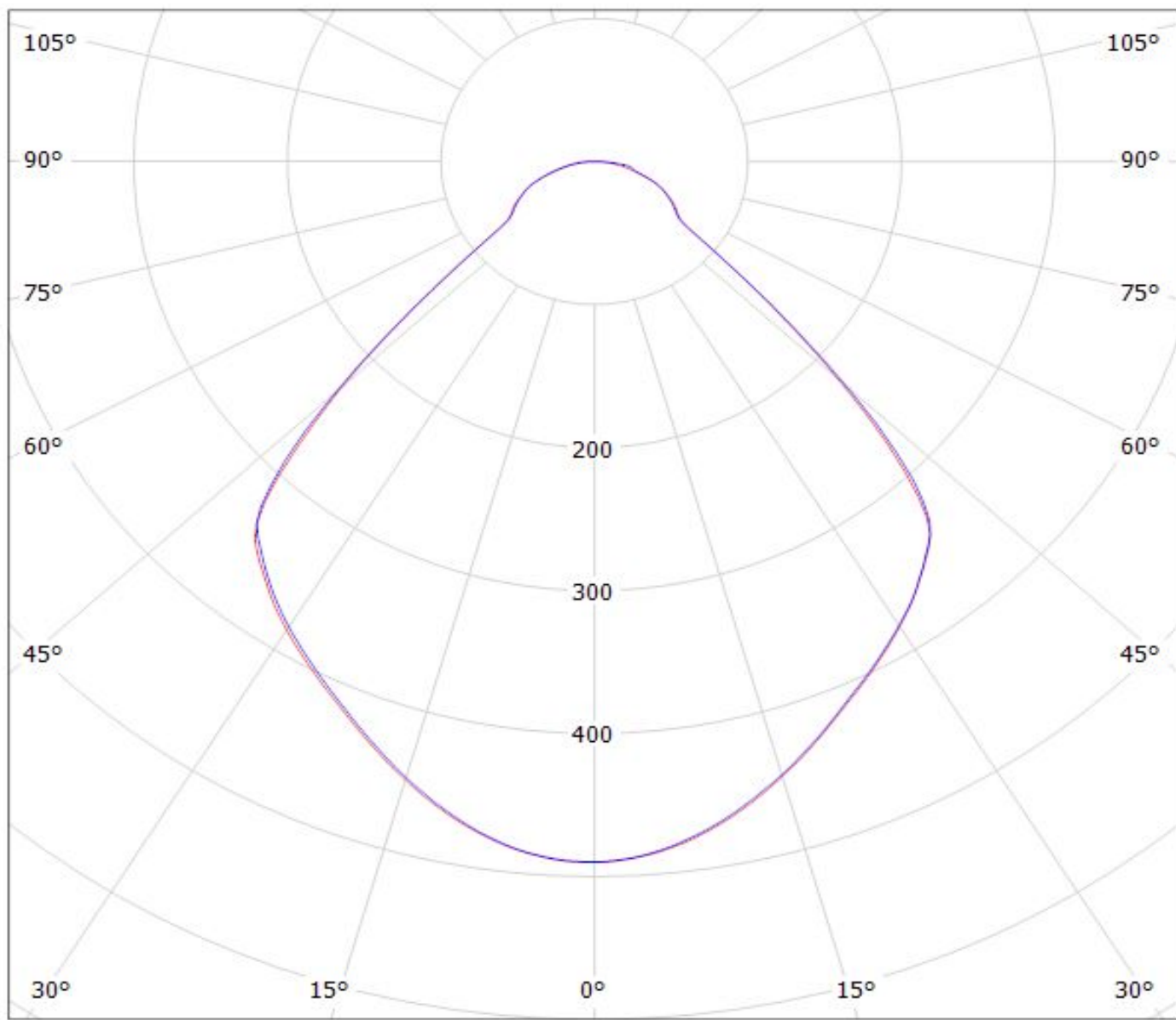
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_2000) Eff.94.1%

Lamps: 1 x Philips_FORTIMO_SLM_2000_728.985lm@250mA_P=6.244W_I=249.9W



cd/klm

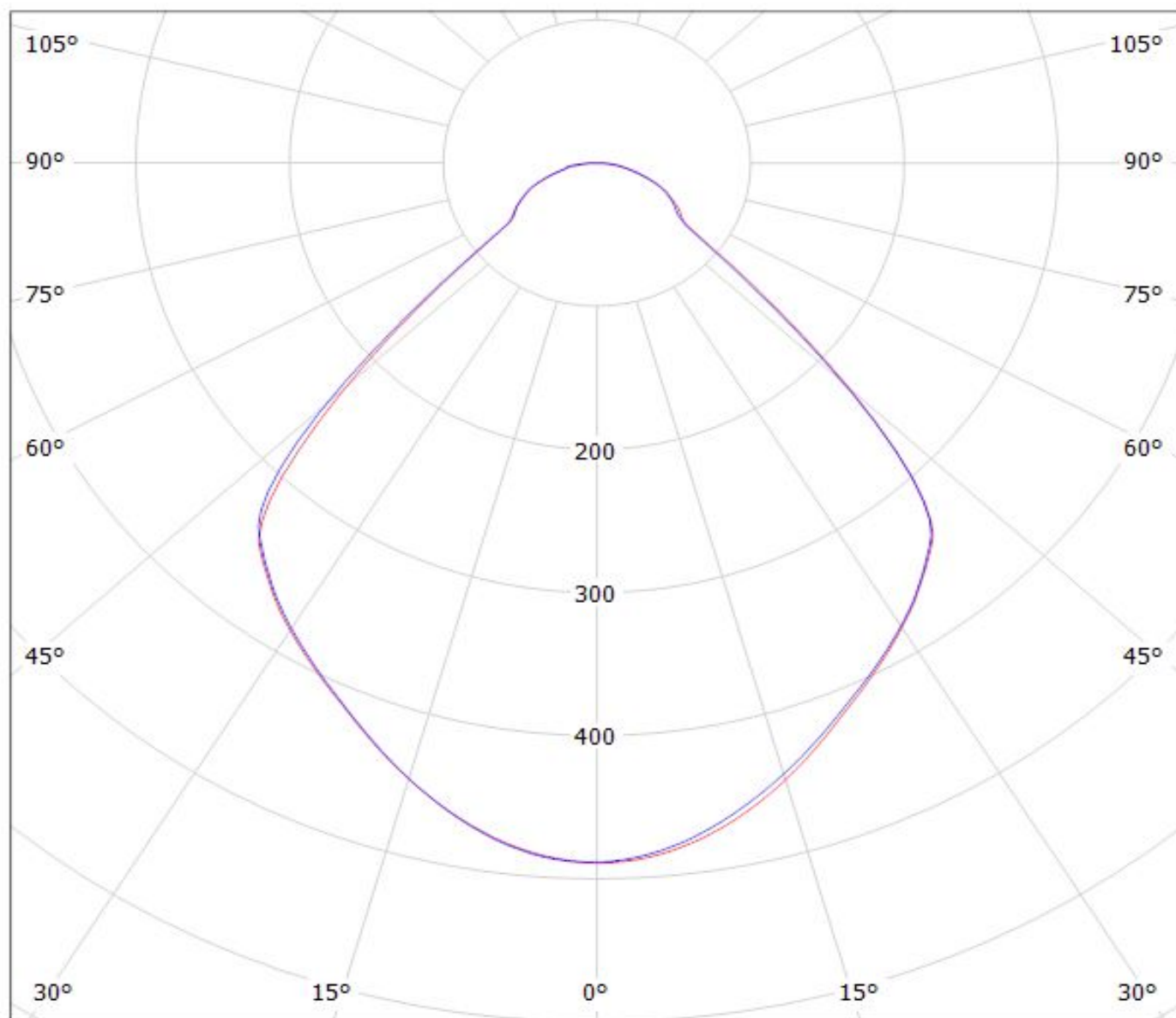
η = 94%

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(SLM_3000) Eff.94.2%

Lamps: 1 x Philips_FORTIMO_SLM_3000_1066.81lm@250mA_P=8.8817W_I=249.9mA



cd/klm

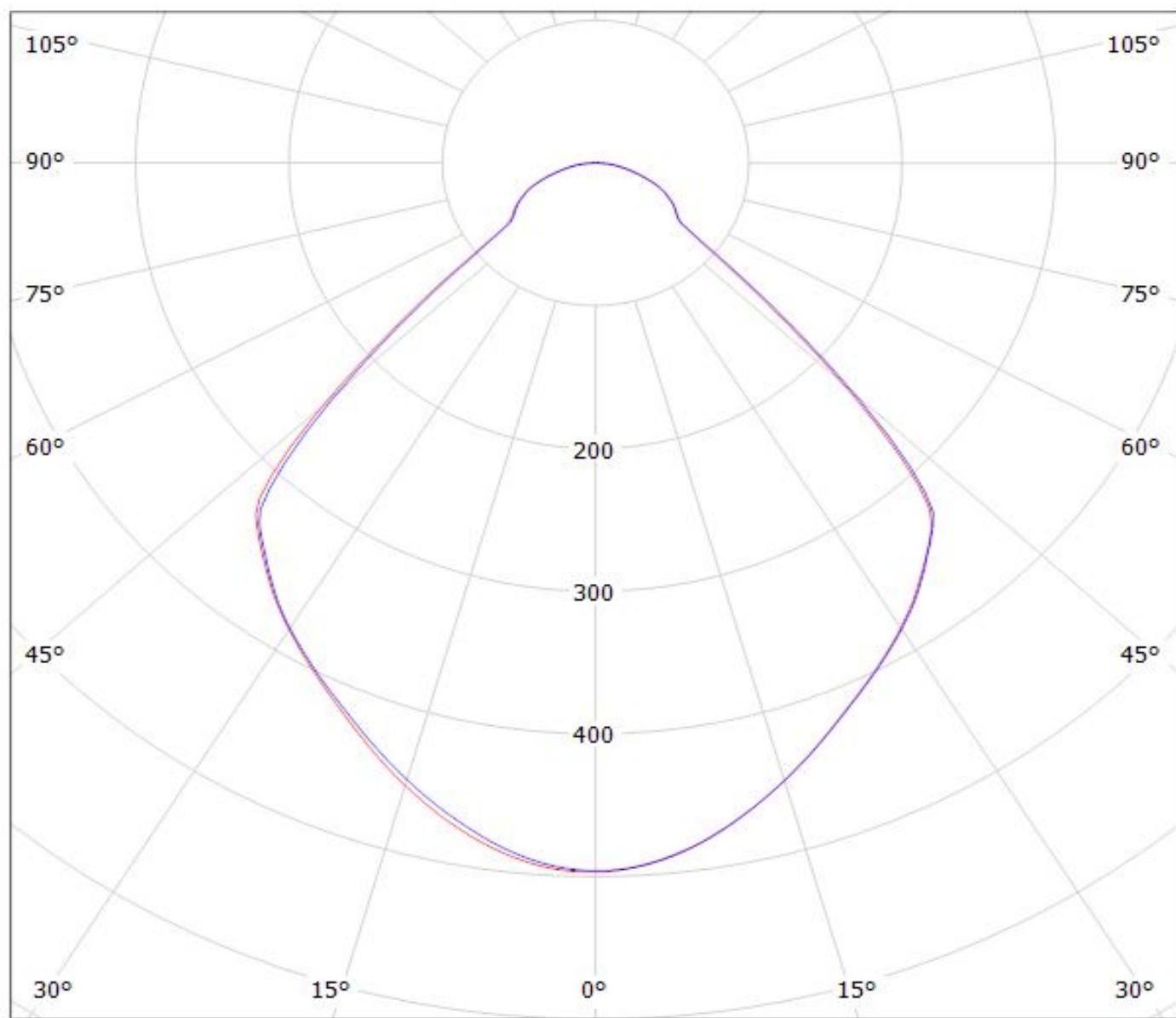
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(LES19) Eff.94.4%

Lamps: 1 x Tridonic_STARK_SLE_G2_LES19_946.117lm@250mA_P=8.43263W_I=249.9mA



cd/klm

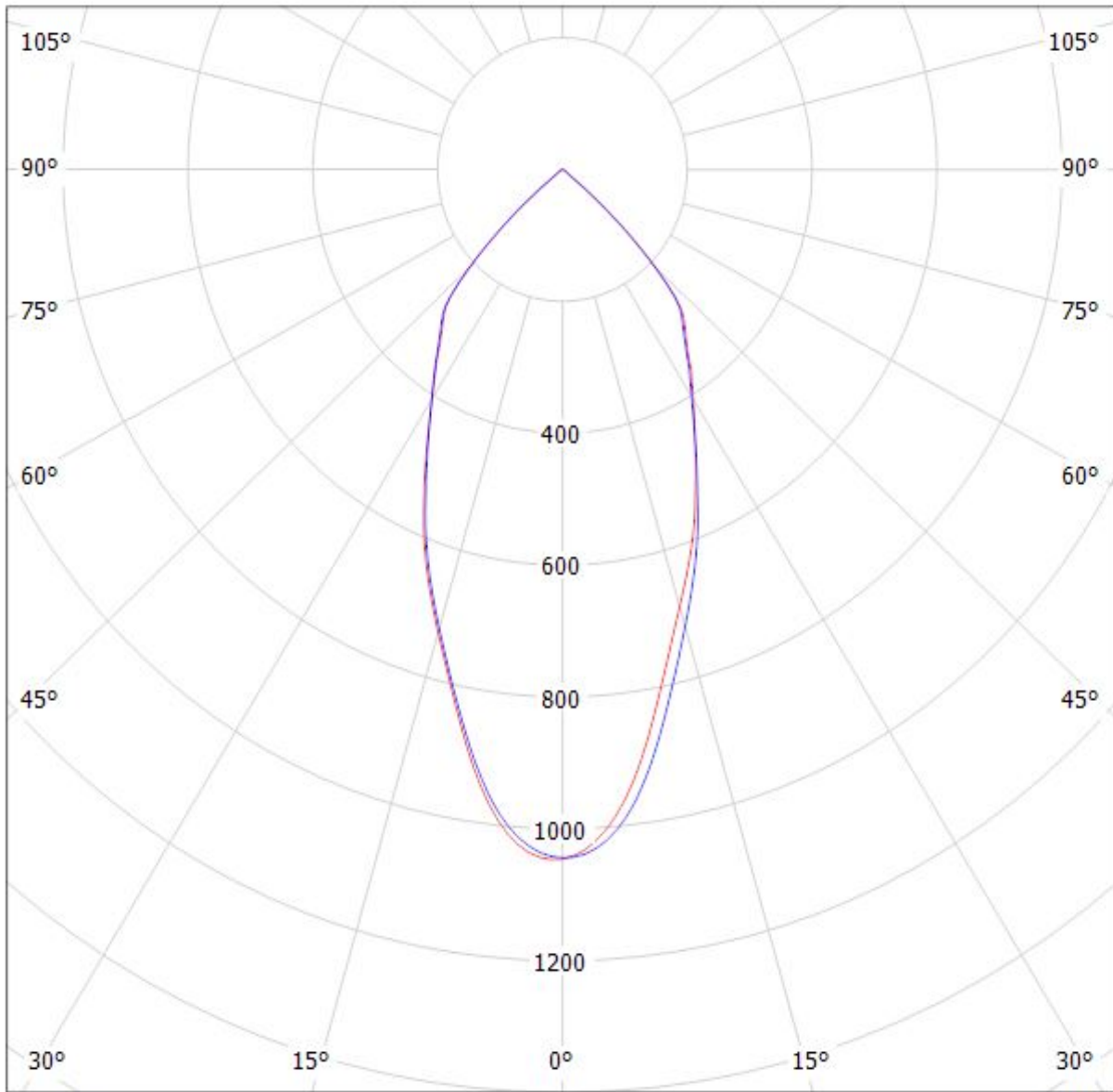
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13402_ANGELINA-W_(SOLERIQ_S19_&_TE_2213407-2)

Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1393.62lm@250mA_CCT=3000K_P=10.5683W_I=249.8mA



cd/klm

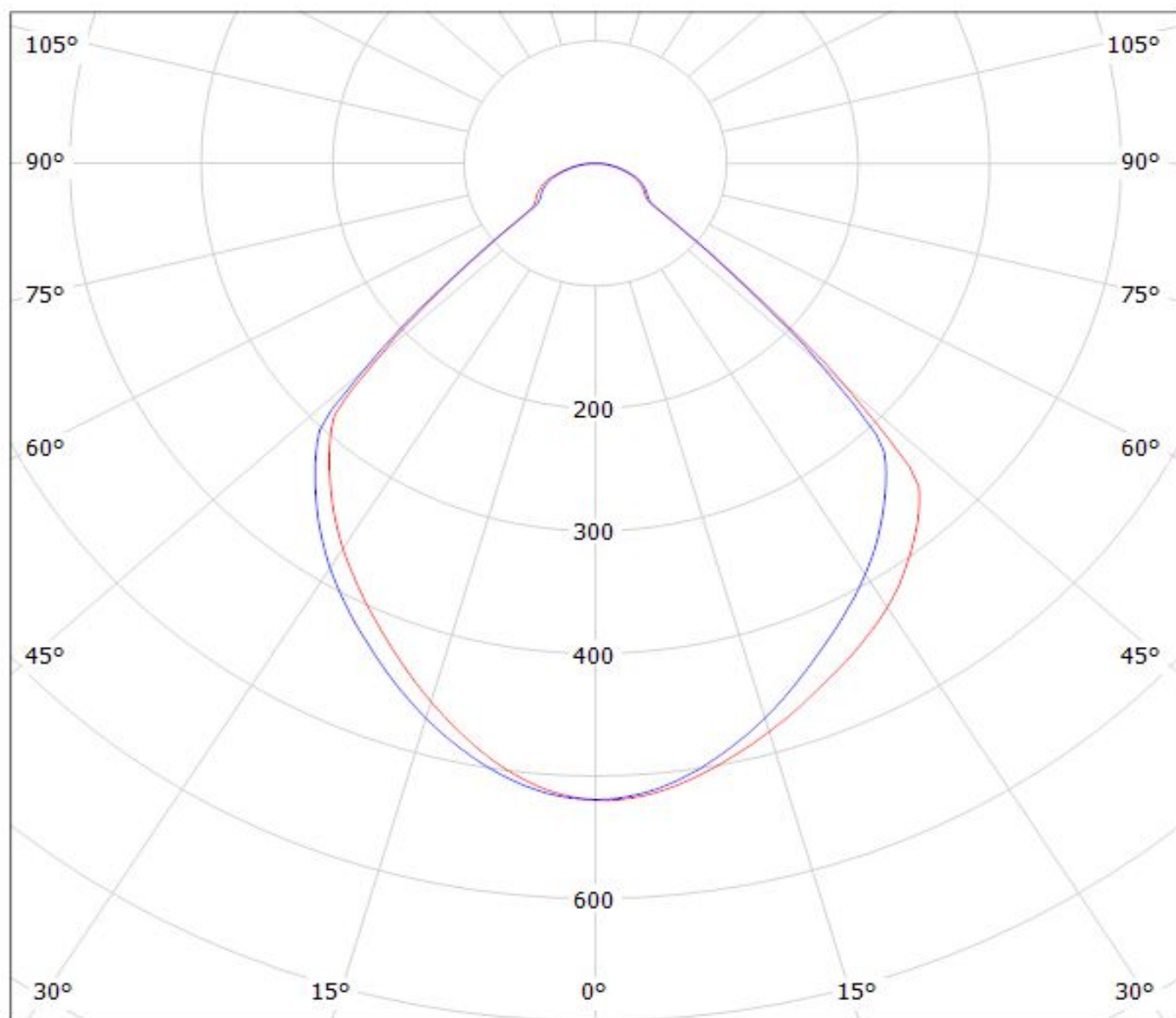
— C0 - C180

— C90 - C270

$\eta = 93\%$

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



cd/klm

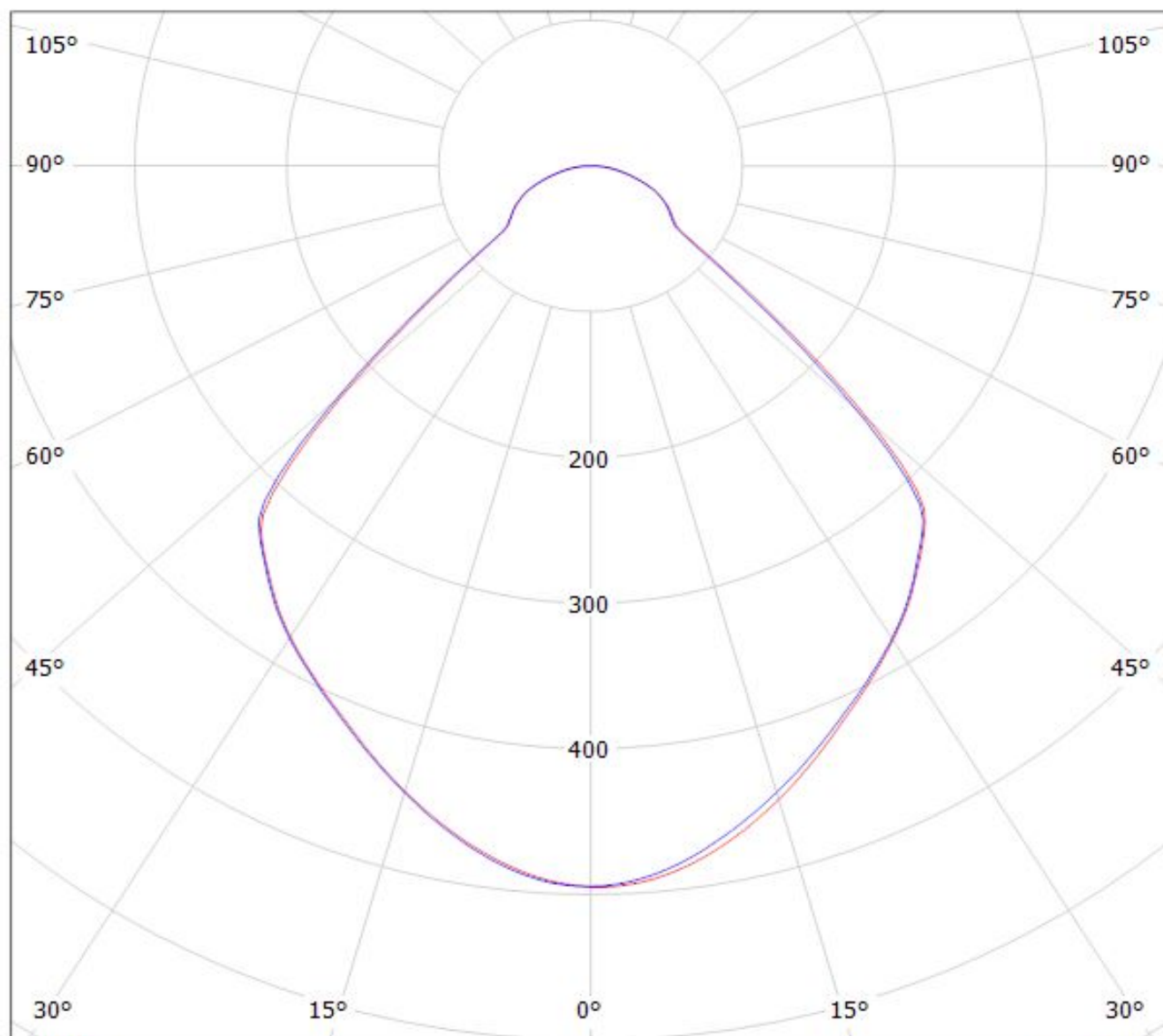
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA_XW_(MZ) Eff.94.0%

Lamps: 1 x Sharp_Mega_Zenigata_1226.07lm@250mA_P=11.1573W_I=249.8mA



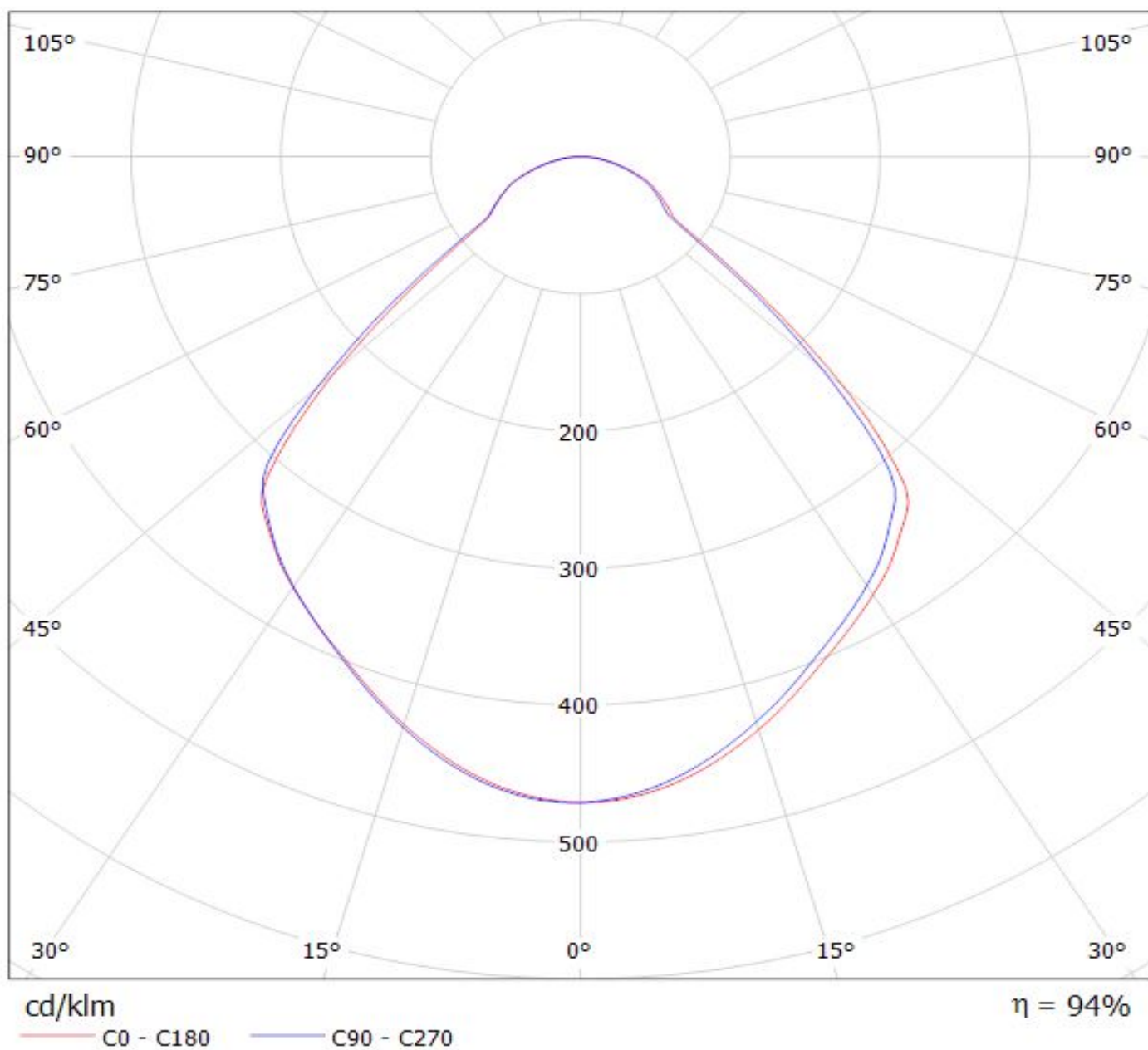
cd/klm

— C0 - C180

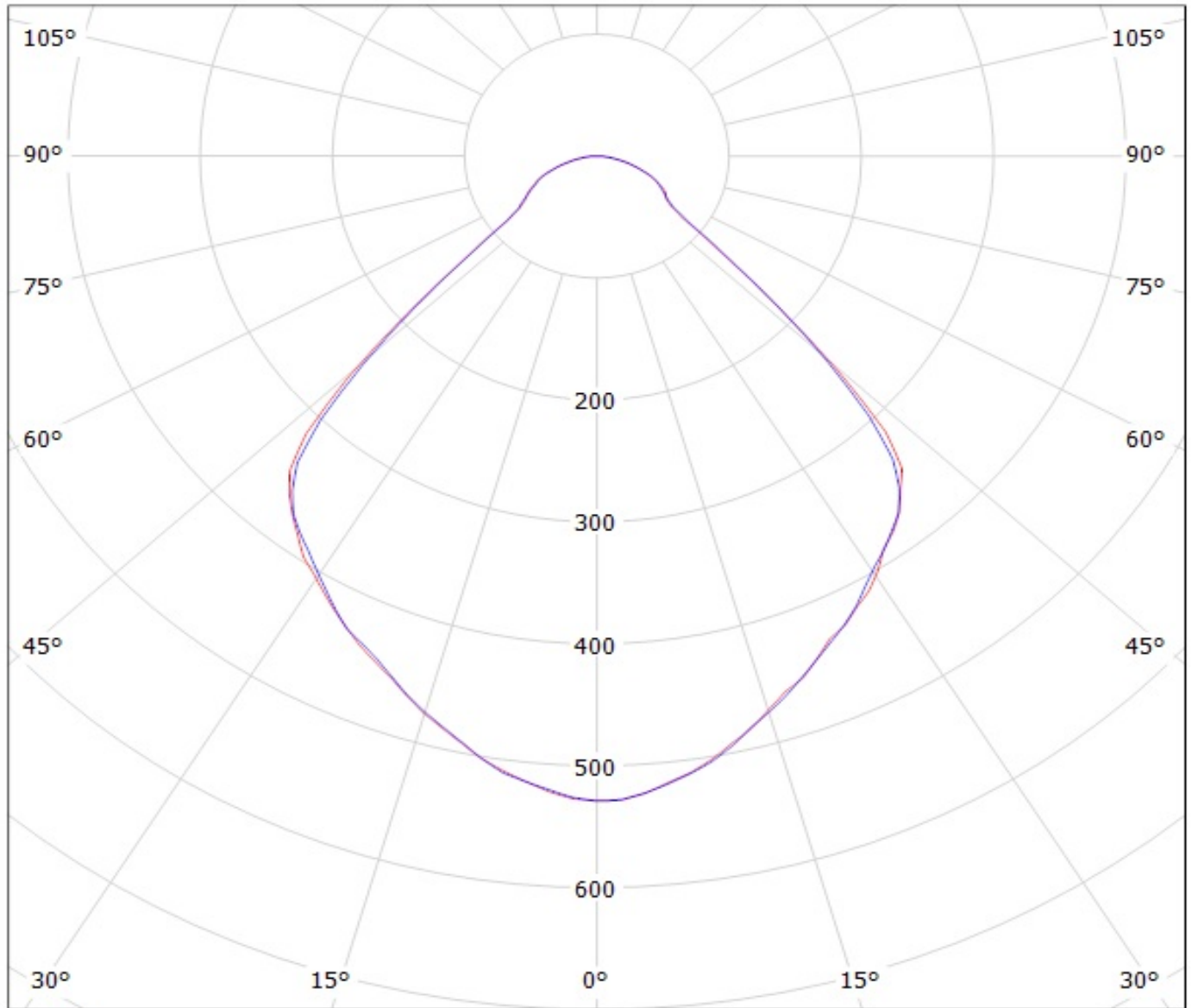
— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-486) Eff.93.5%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



Luminaire: LEDil Oy F13838_ANGELINA-XW_(Soleriq_S13) Efficiency=94%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA



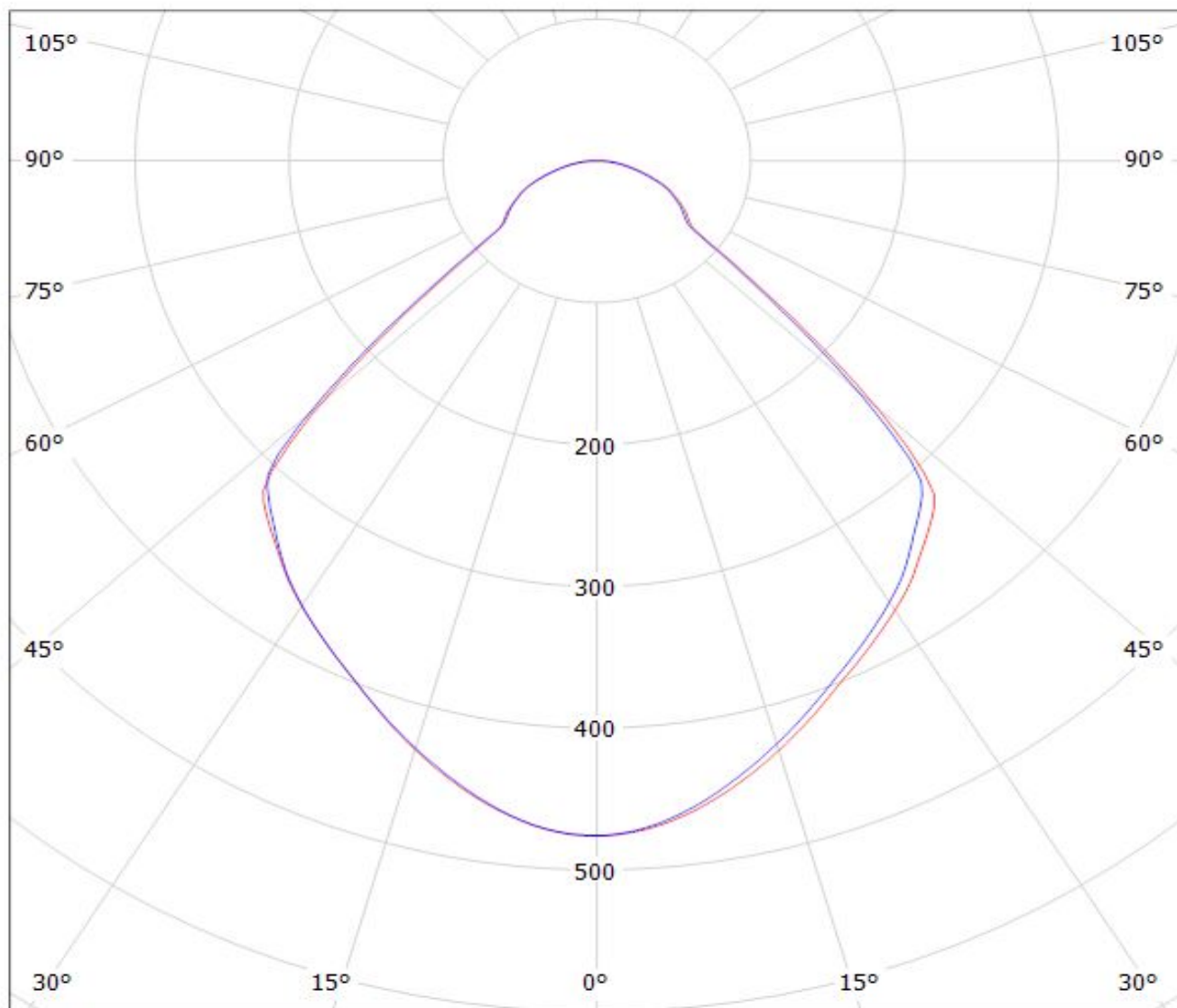
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.125lm@250mA_P=5.59976W_η=249.9mA



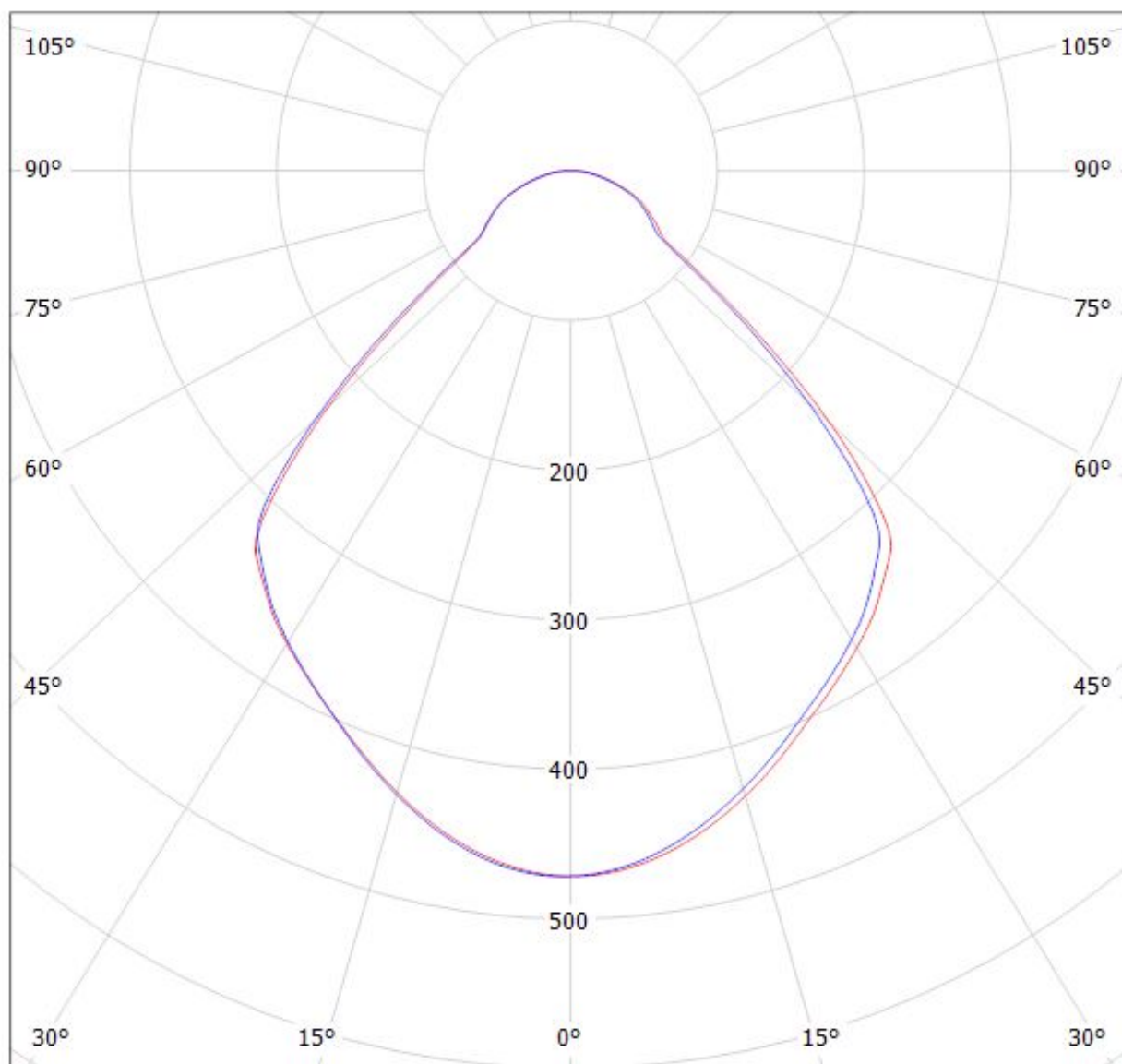
cd/klm

$\eta = 94\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-485)

Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA



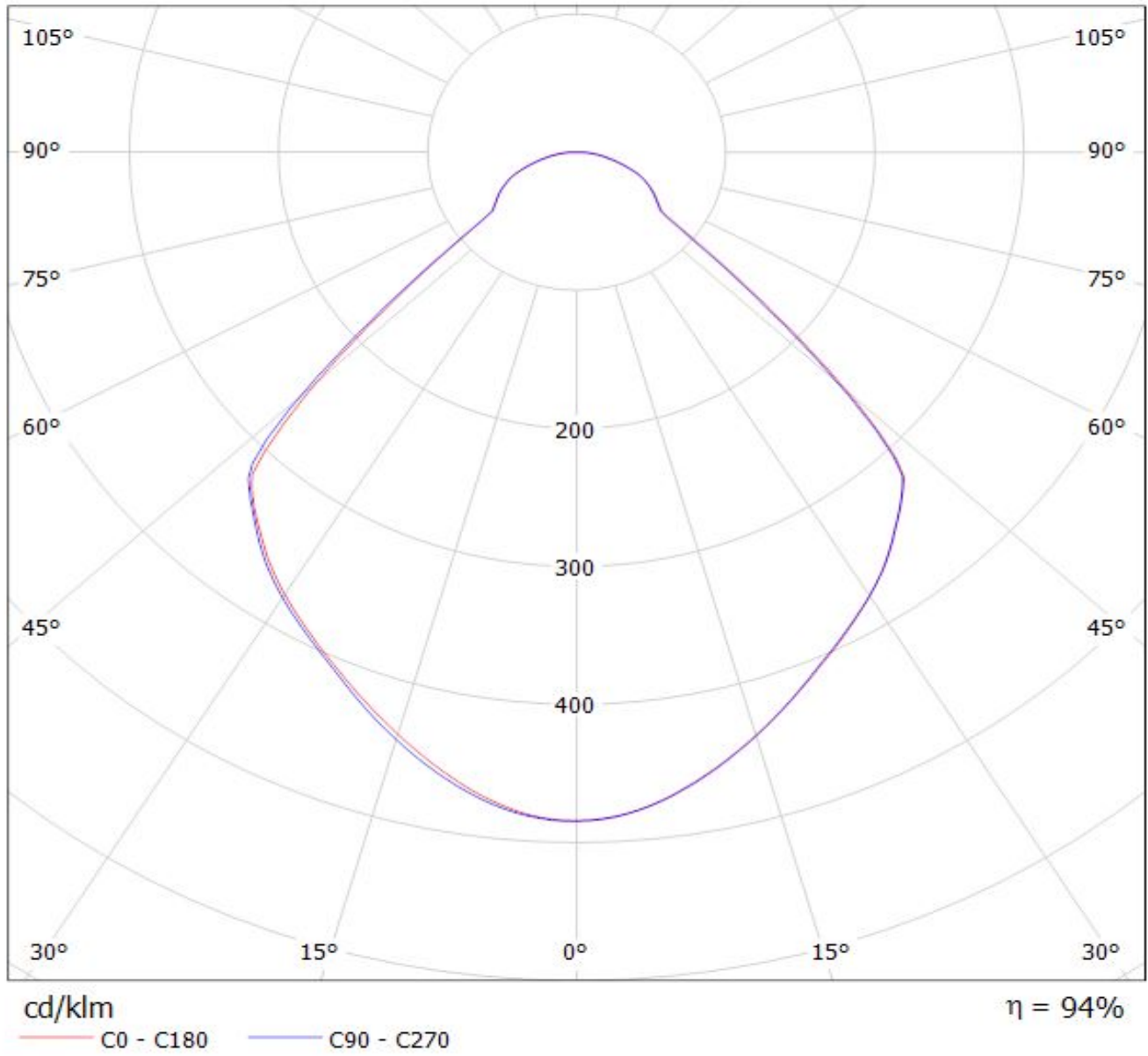
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

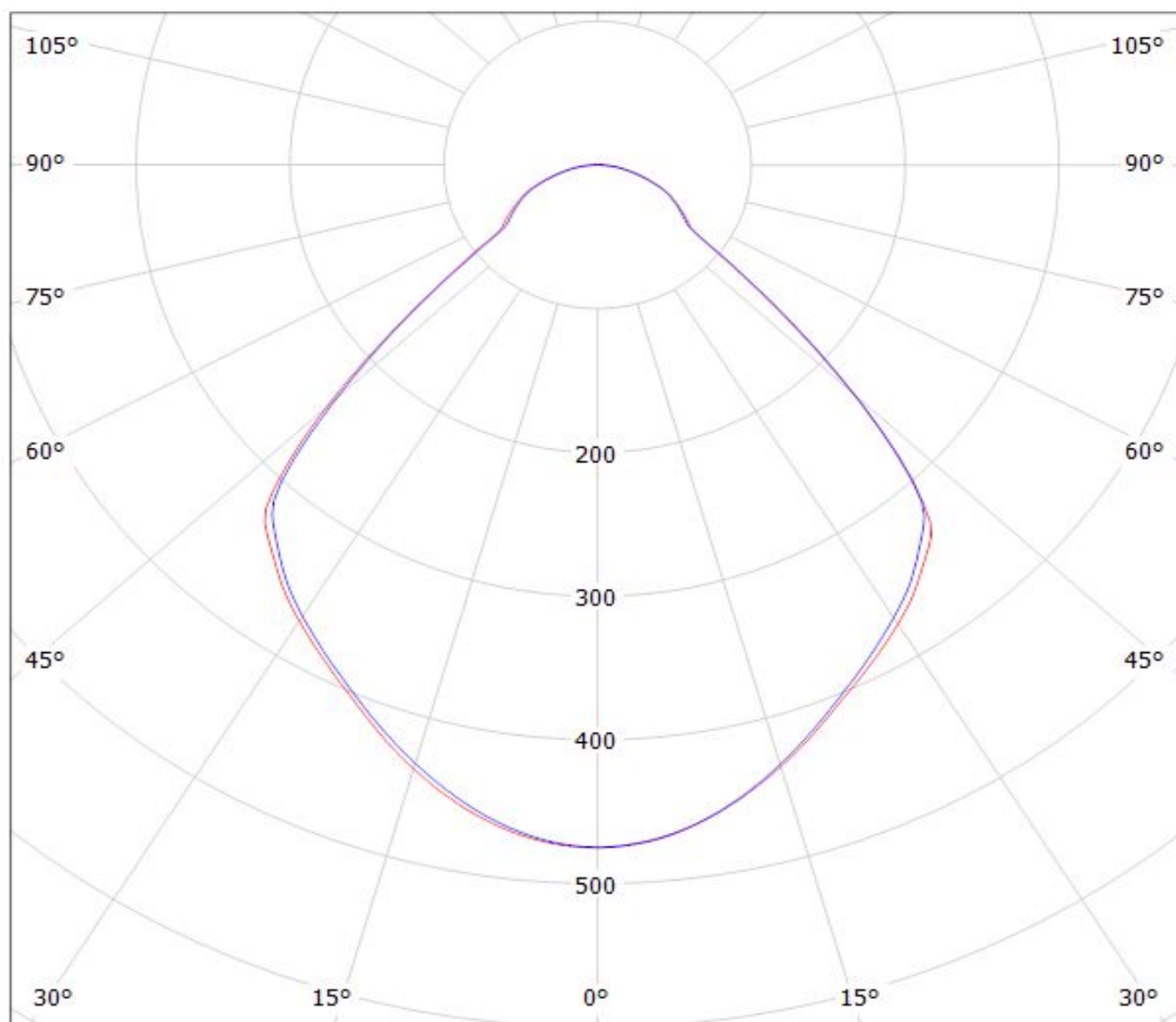
Luminaire: LEDiL Oy F13838_ANGELINA-XW_(CXM-14)

Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



Luminaire: LEDiL Oy F13838_ANGELINA-XW_(WU-M-464) Eff.94.1%

Lamps: 1 x VOSSLOH_WU-M-464-827_1452.09lm@250mA_P=11.7139W_I=249.8mA



cd/klm

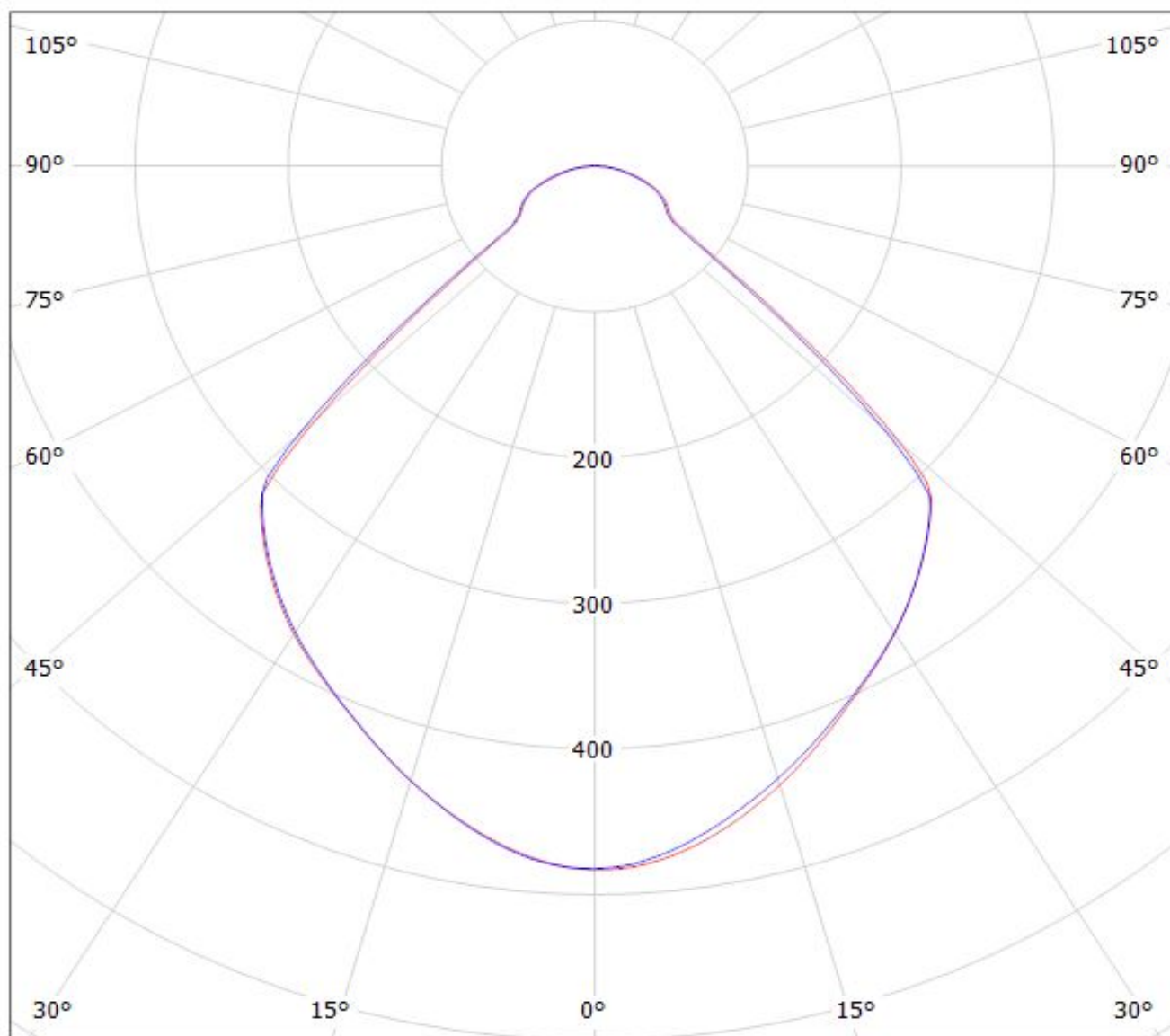
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13838_ANGELINA-XW_(NSBxL121A)

Lamps: 1 x Nichia_NSBxL121A_935.409lm@250mA_P=7.57219W_I=249.8mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

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.