

DETAILS

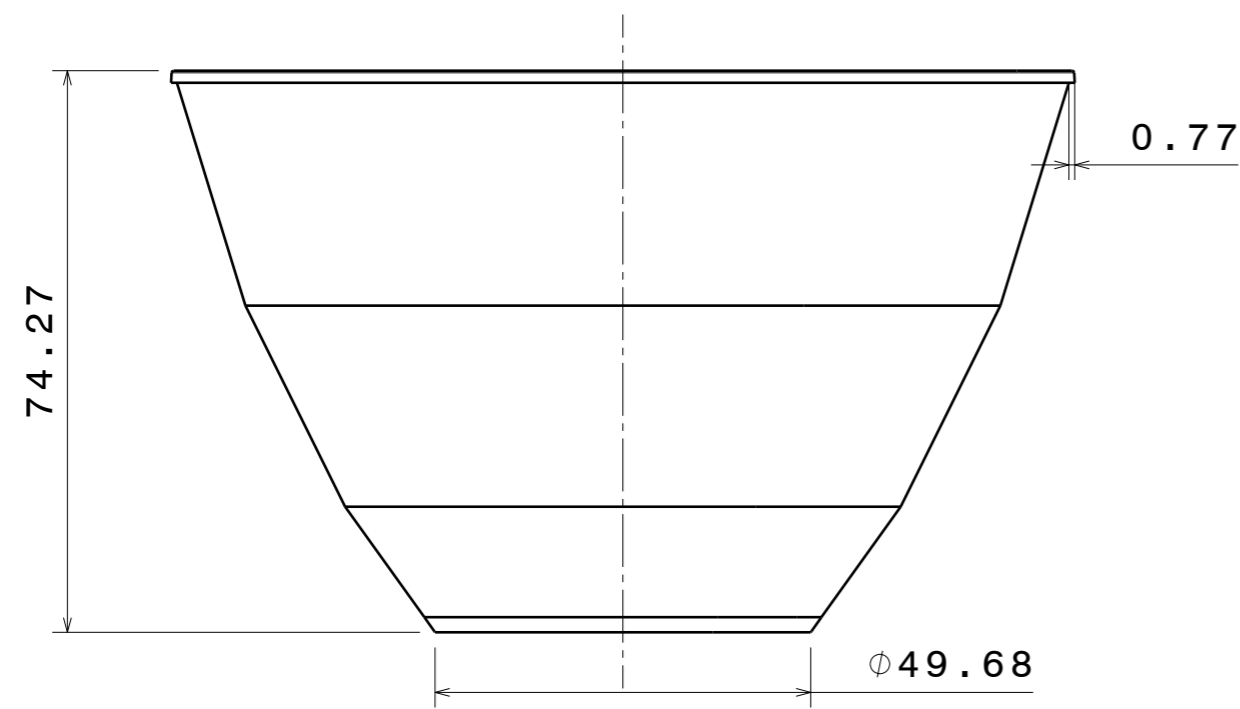
Product Number	F13379_ANGELA-S
Family	ANGELA
Type	Reflector
Color	metal
Diameter	119.5 mm
Height	74.27 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	socket
Status	ready
ROHS Compliant	Yes
Date Updated	13/06/2014



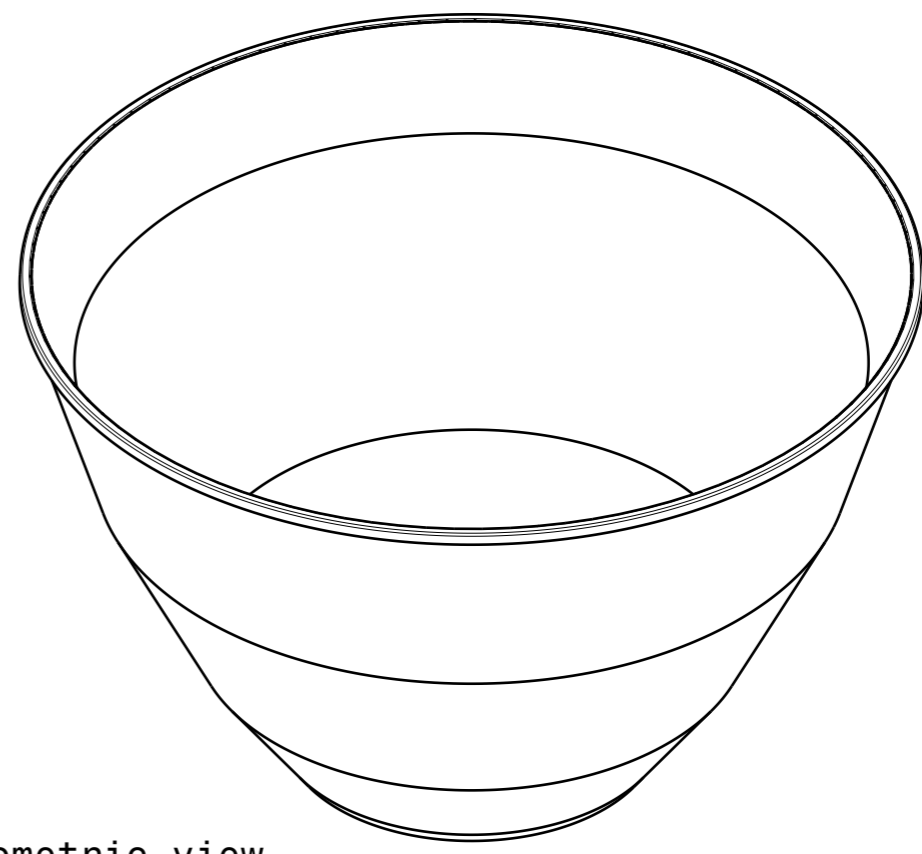
OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
LUXEON CoB 1204/1205	sim: 10	Spot	sim: 92 %	sim: 20.700-	
PrevaLED Core Z3 LES9	6 deg	Spot	94 %	36.000	TE: Z50 Optic Clip part nr. 2213194-1
CLU720	7 deg	Spot	94 %	24.000	TE: part nr. 2213254-2 + Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L13 G4 standard	8 deg	Spot	92 %	19.000	TE: Z50 Optic Clip part nr. 2213194-1
PrevaLED Core AC (LEP-800)	8 deg	Spot	94 %	19.800	TE: Z50 Optic Clip part nr. 2213194-1
L121A/L060B/L024Z	8 deg	Spot	94 %	24.000	Molex: part nr. 180580-0005
Soleriq S13	8 deg	Spot	94 %	22.000	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
LUXEON CoB 1204/1205	8 deg	Spot	94 %	19.940	TE: part nr. 2213130-2 + Z50 Optic Clip part nr. 2213194-1
Soleriq P13	8.7 deg	Spot	93 %	18.370	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
WU-M-484	9 deg	Spot	93 %	17.900	TE: Z50 Optic Clip part nr. 2213194-1
CXM-14	9 deg	Spot	94 %	19.000	TE: part nr 2213254-2 + Z50 Optic Clip part nr. 2213194-1
CLL03x/CLU034	9 deg	Spot	94 %	18.600	TE: part nr 2213254-2 + Z50 Optic Clip part nr. 2213194-1
WU-M-461	9 deg	Spot	93 %	18.000	TE: Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L15 G4 standard	9.7 deg	Spot	92 %	14.500	TE: Z50 Optic Clip part nr. 2213194-1
LUXEON CoB 1208	10 deg	Spot	94 %	15.850	TE: part nr. 2213130-2 + Z50 Optic Clip part nr. 2213194-1
PrevaLED Core Z3 LES19	10 deg	Spot	93 %	13.000	TE: Z50 Optic Clip part nr. 2213194-1
PrevaLED Core Z4 LES19	10 deg	Spot	93 %	13.300	TE: Z50 Optic Clip part nr. 2213194-1
Soleriq S19	10 deg	Spot	94 %	13.500	TE: part nr. 2213407-2 + Z50 Optic Clip part nr. 2213194-1
LC026B/LC040B	11 deg	Spot	93 %	11.750	TE: part nr. 2213258-2 + Z50 Optic Clip part nr. 2213194-1
PrevaLED Core AC (LEP-2000)	11 deg	Spot	92 %	11.200	TE: Z50 Optic Clip part nr. 2213194-1
STARK SLE G3 LES19	11 deg	Spot	93 %	20.700	TE: Z50 Optic Clip part nr. 2213194-1
SLE G4 LES19 H	11 deg	Spot	91 %	12.000	TE: Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L19 G4 standard	12 deg	Spot	91 %	9.300	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-464	12 deg	Spot	92 %	9.910	TE: Z50 Optic Clip part nr. 2213194-1
PrevaLED Core Z3 LES23	13 deg	Spot	93 %	8.790	TE: Z50 Optic Clip part nr. 2213194-1

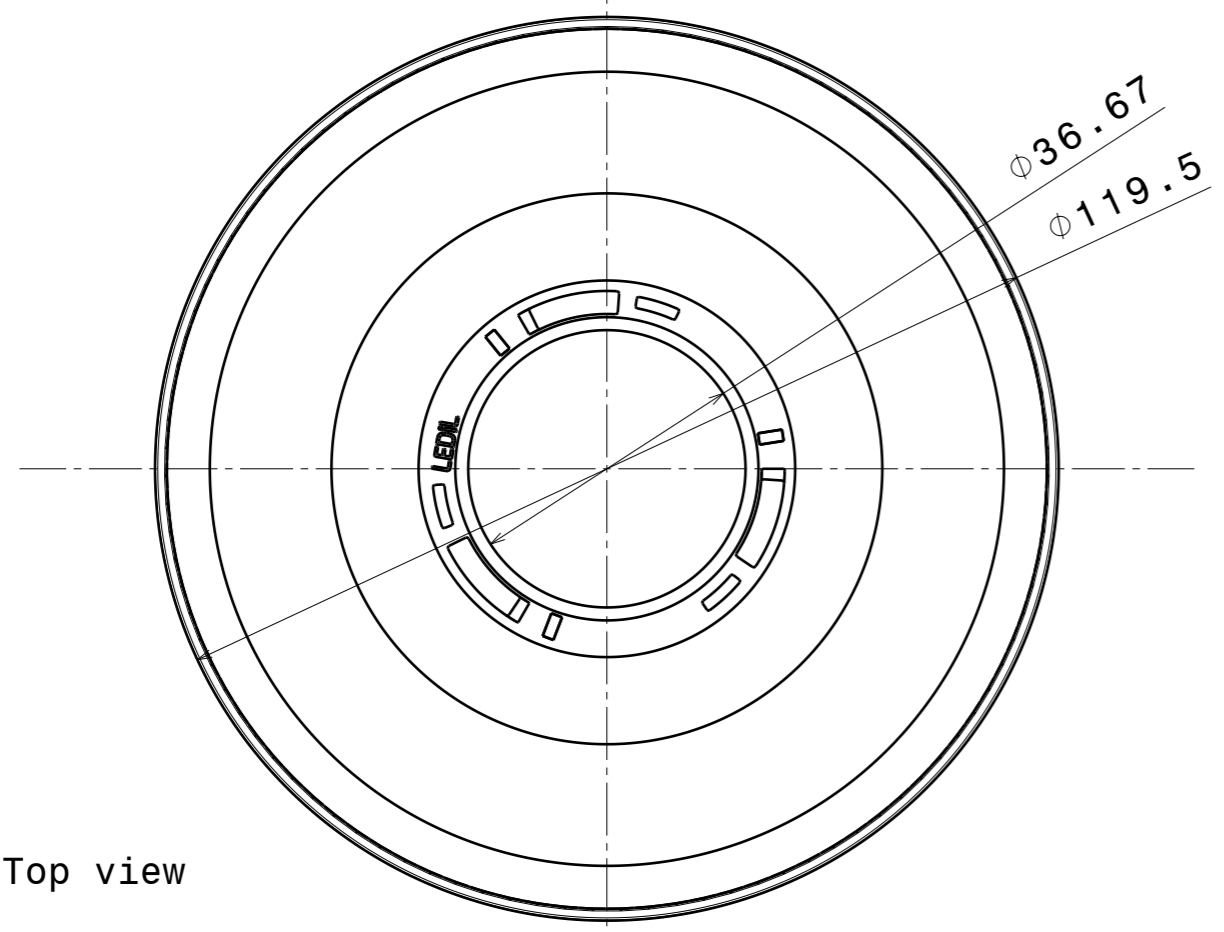
H G F E D C B A



Front view



Isometric view



Top view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F13379	Angela-S	PC	metal

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures: 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
F13379_Angela-S

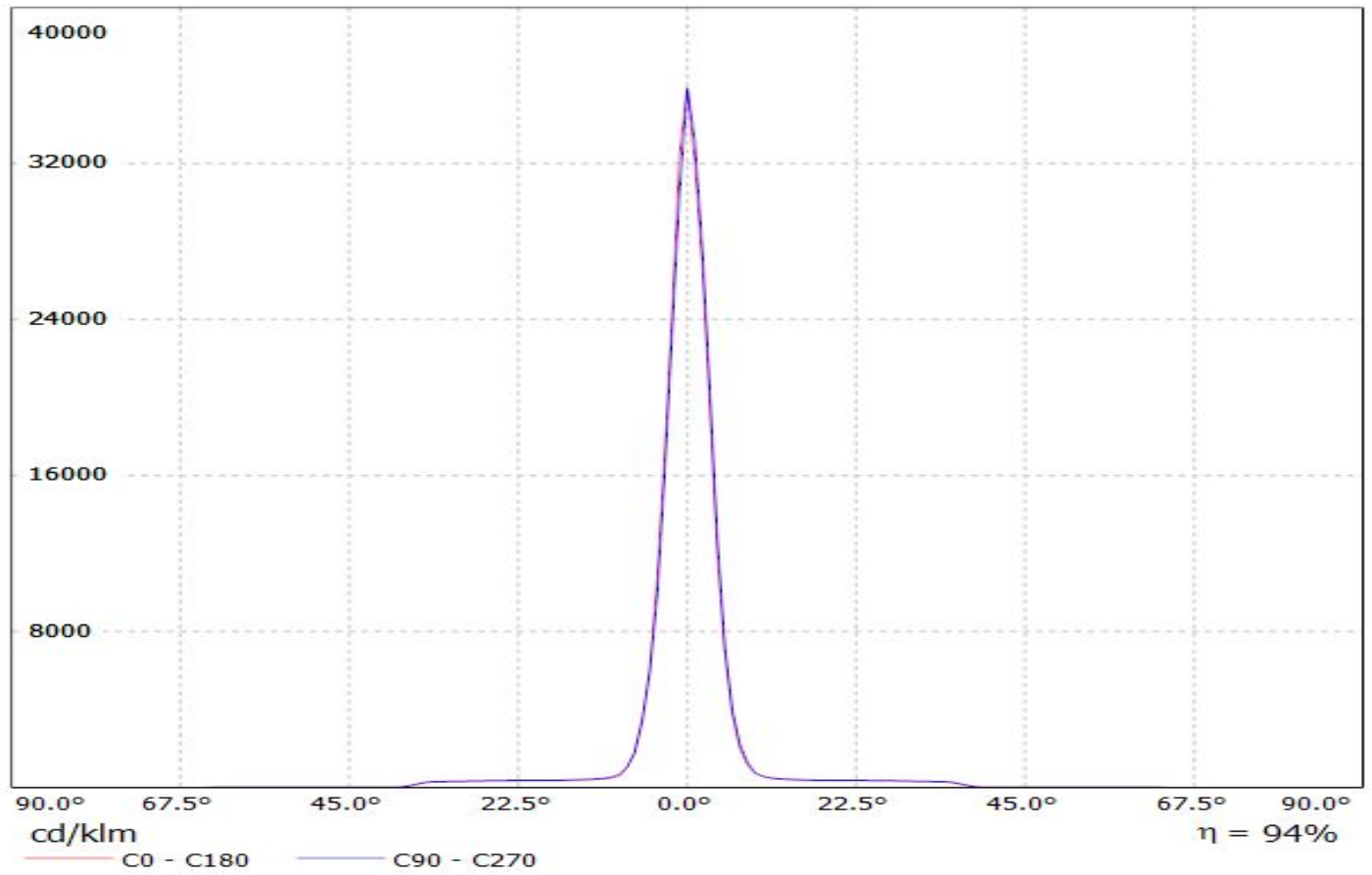
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SIZE	PART NUMBER
A3	F13379

SCALE	1:1	WEIGHT	78,76 g	SHEET	1/1
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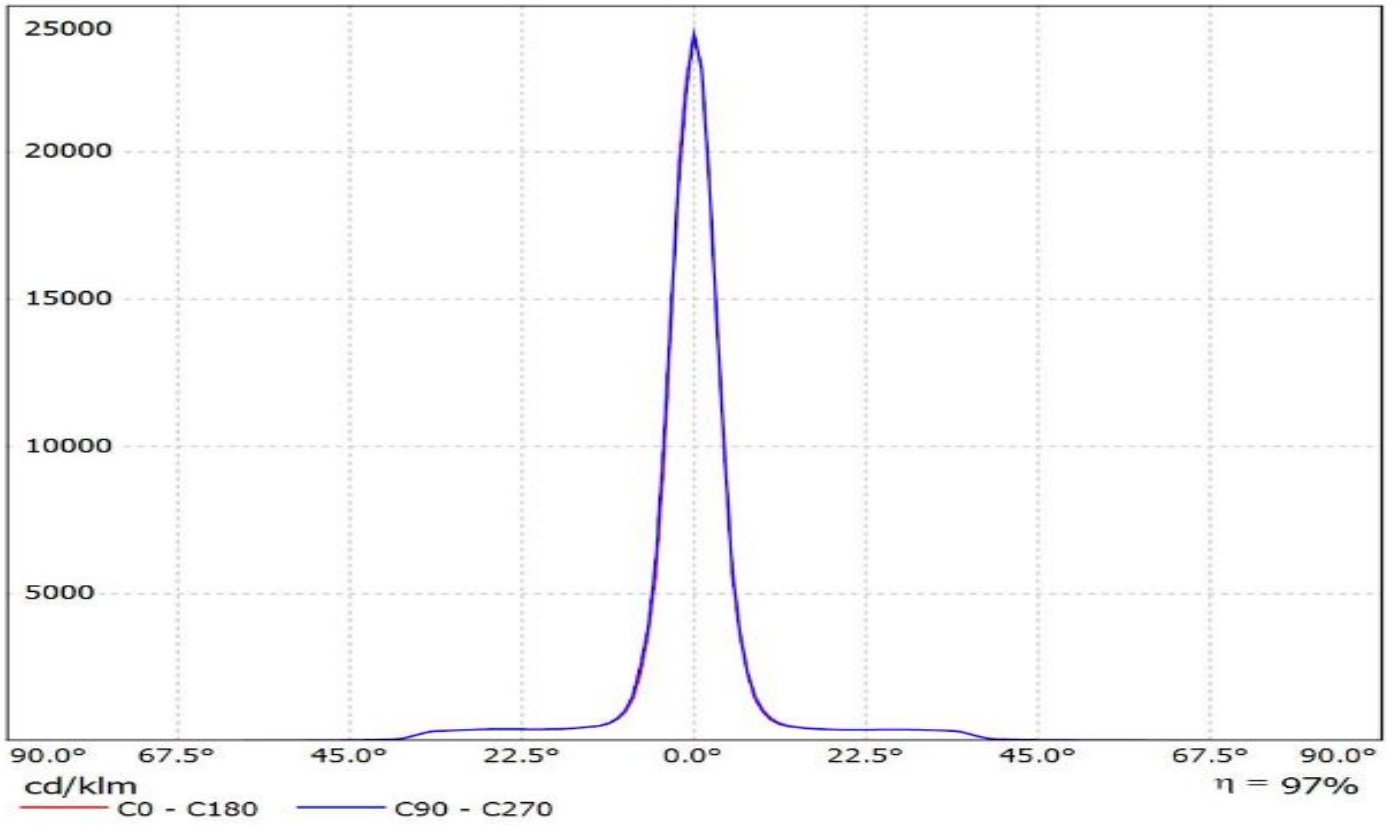
H G F E D C B A

Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES9)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES9_(PL-CORE-1100-830-Z3)
_1142.1lm@250mA_P=12.1952W_I=249.8mA



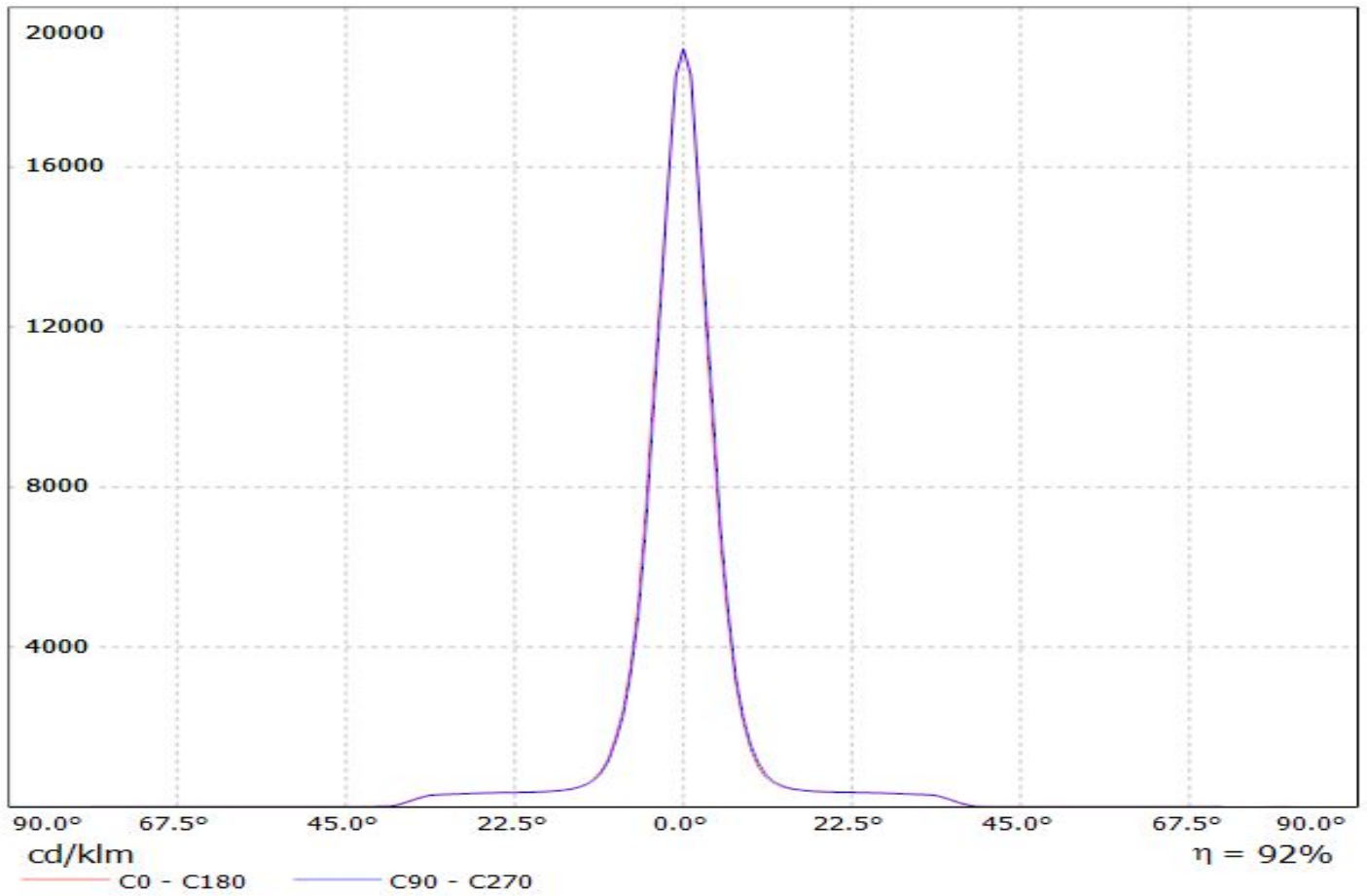
Ledil F13379_ANGELA-S_(CLU720) / LDC (Linear)

Luminaire: Ledil F13379_ANGELA-S_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



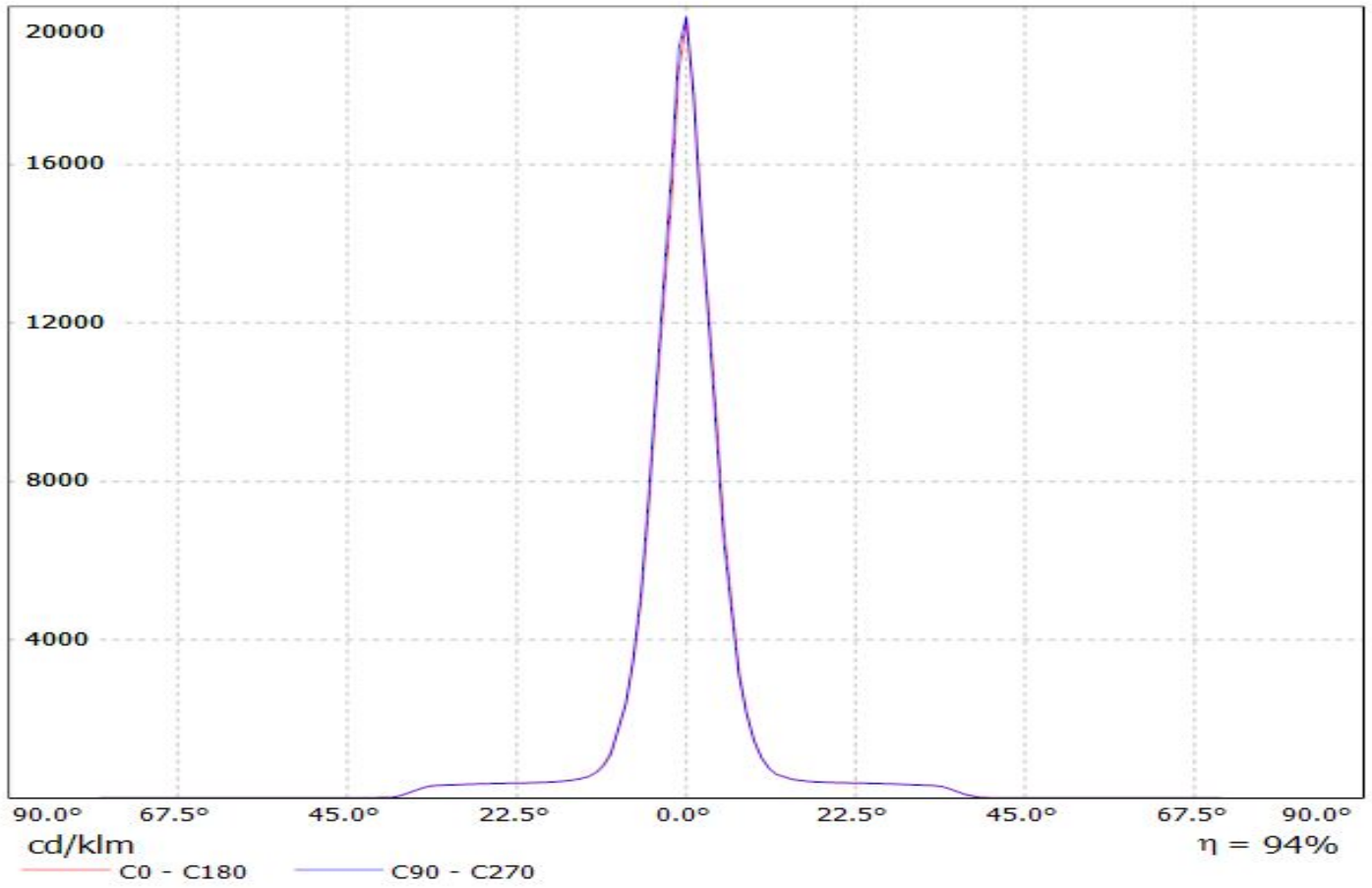
Luminaire: LEDiL Oy F13379_ANGELA-S_(Fortimo LED SLM L13 G4)

Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A

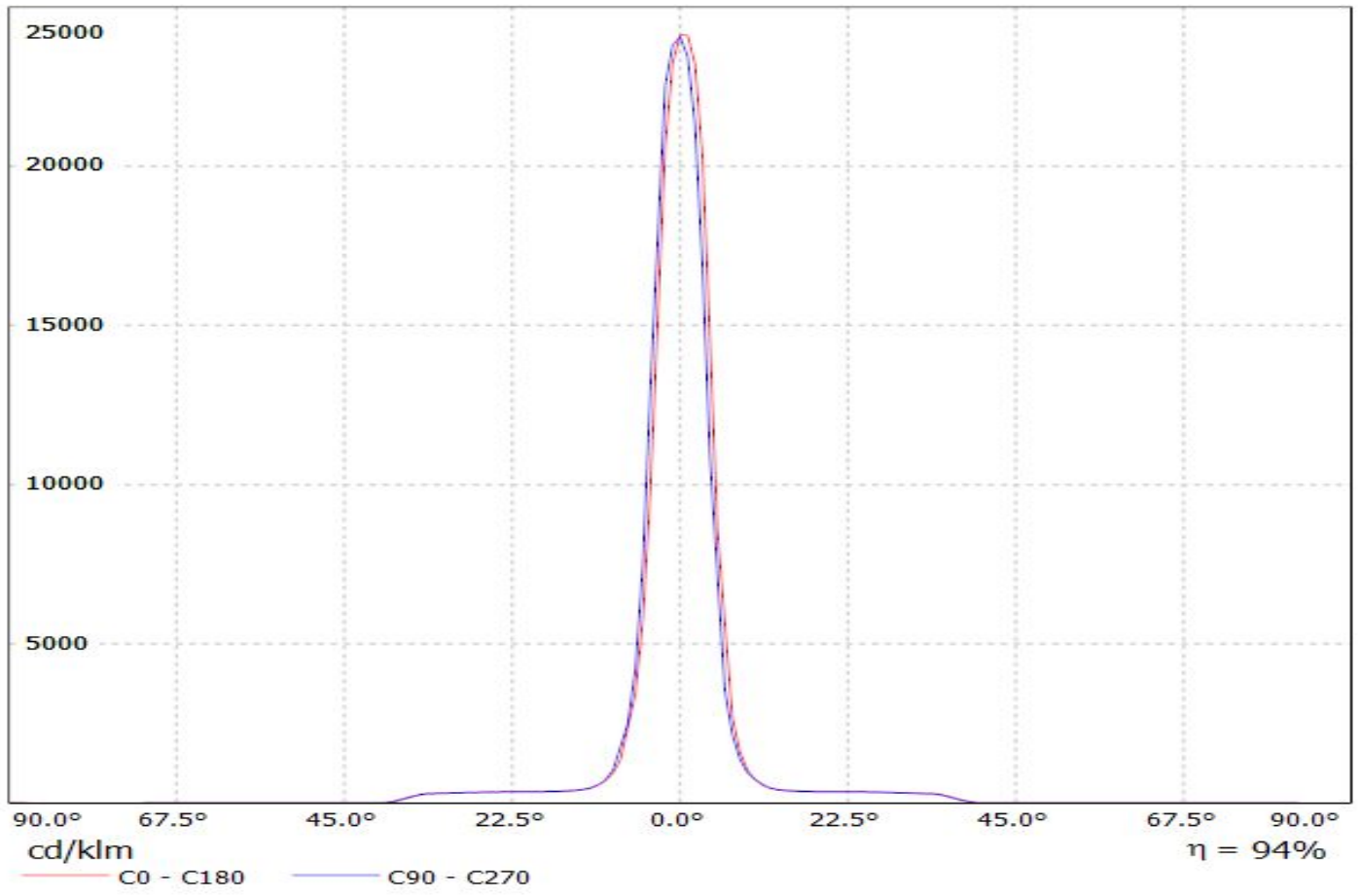


Luminaire: LEDiL Oy F13379_ANGELA-S_(LEP-800-827-C-AC) Eff.94%

Lamps: 1 x Osram_PrevaLED_Core-AC_(LEP-800-827-C-AC)_914.023lm@60mA_P=14W_I=60mA

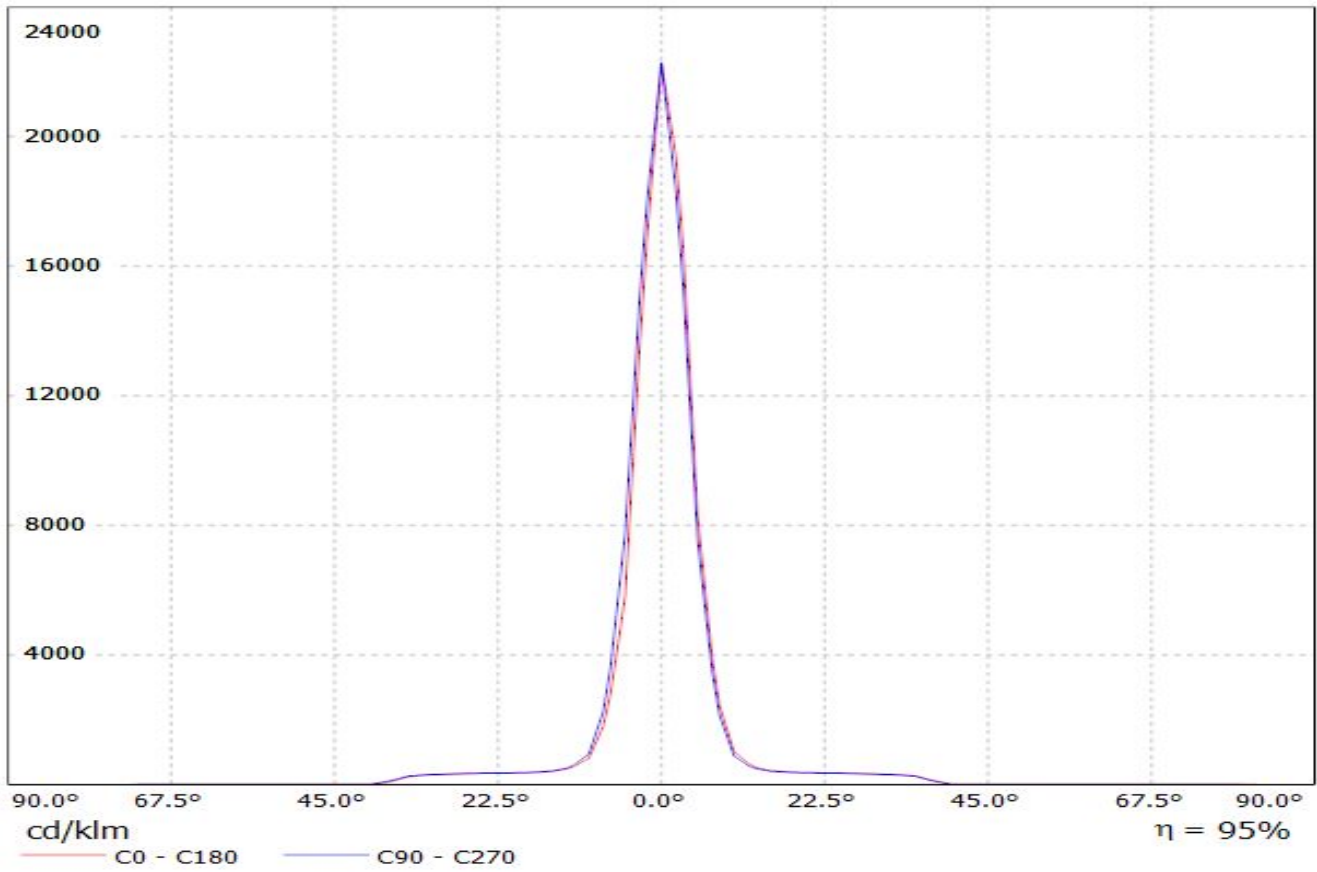


Luminaire: LEDiL Oy F13379_ANGELA-S_(NSBxL121A) Eff.95.0%
Lamps: 1 x Nichia_NSBxL121A_920.44lm@250mA_P=7.57797W_I=249.9mA

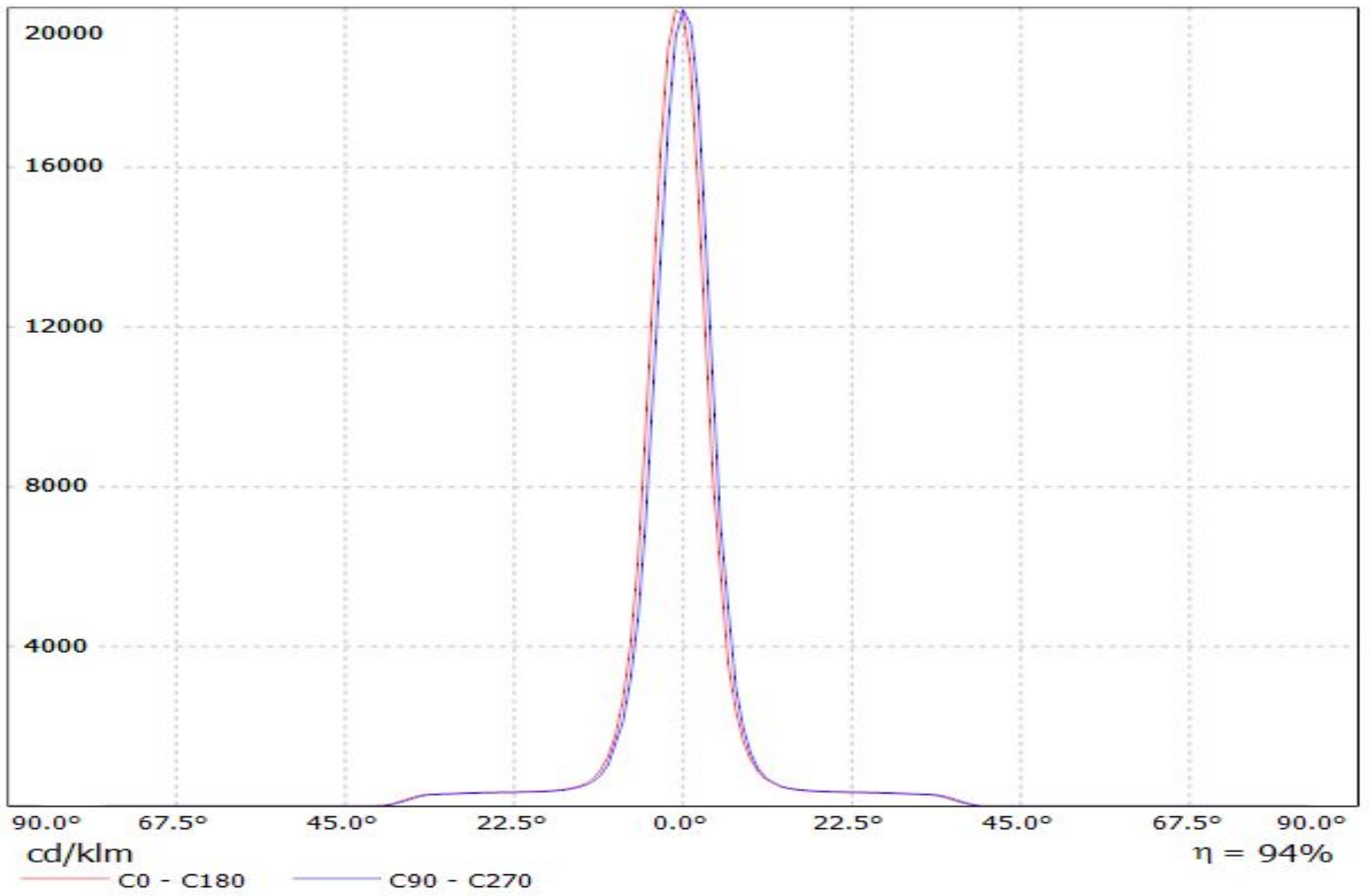


Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_S13)

Lamps: 1 x Osram_SOLERIQ_S13_877.374lm@250mA_P=7.44379W_I=249.8mA

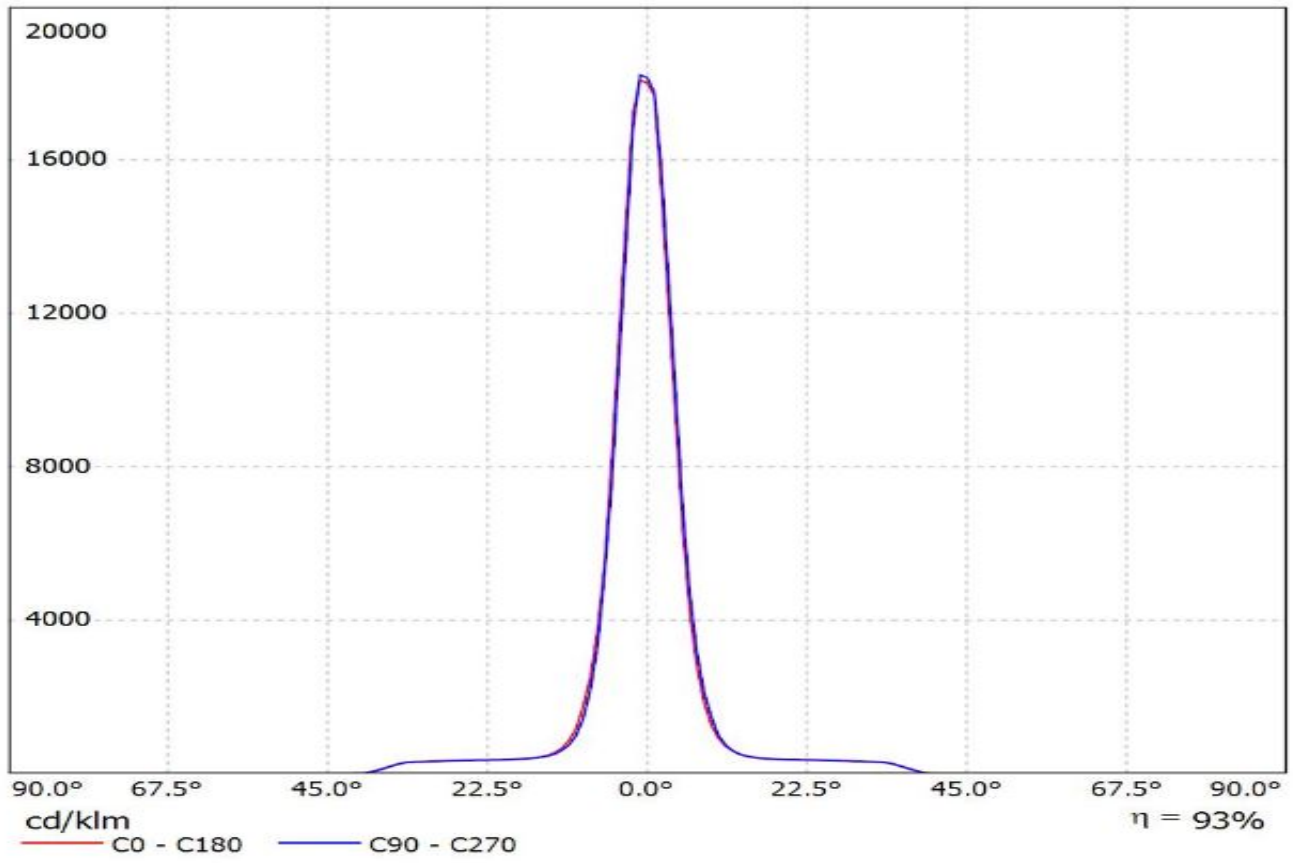


Luminaire: LEDiL Oy F13379_ANGELA-S_(COB_1205) Eff.94.0%
Lamps: 1 x Luxeon_COB_1205_1092.75lm@250mA_P=8.33092W_I=249.9mA



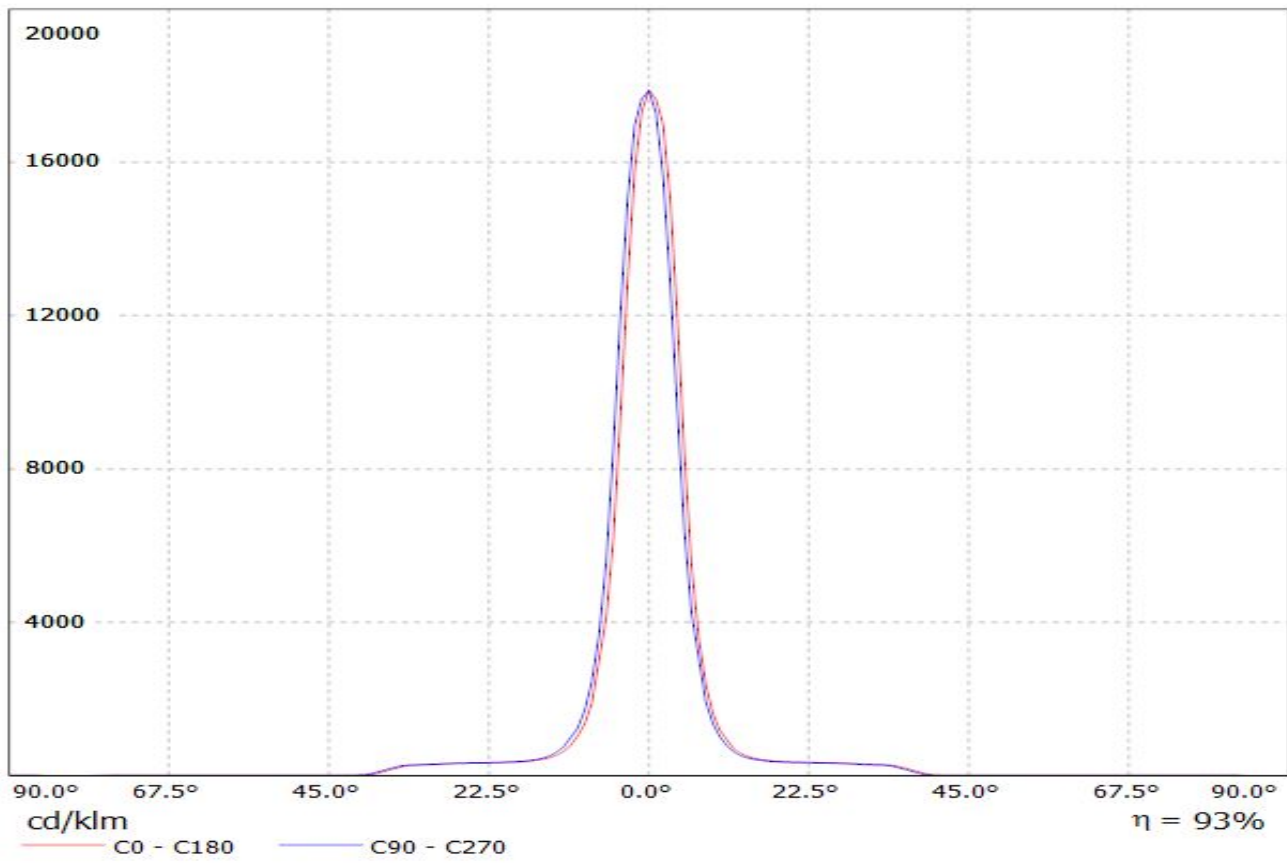
Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



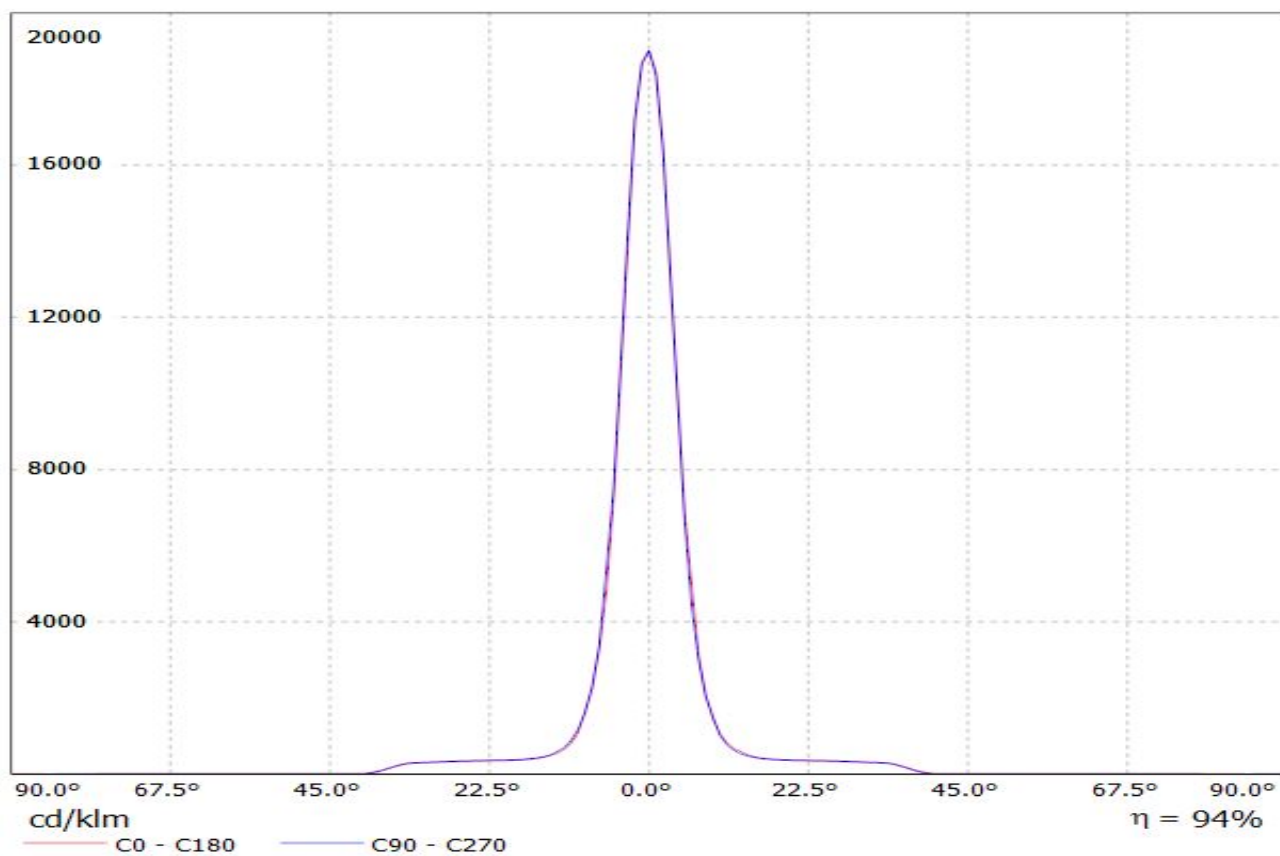
Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_I=249.9mA



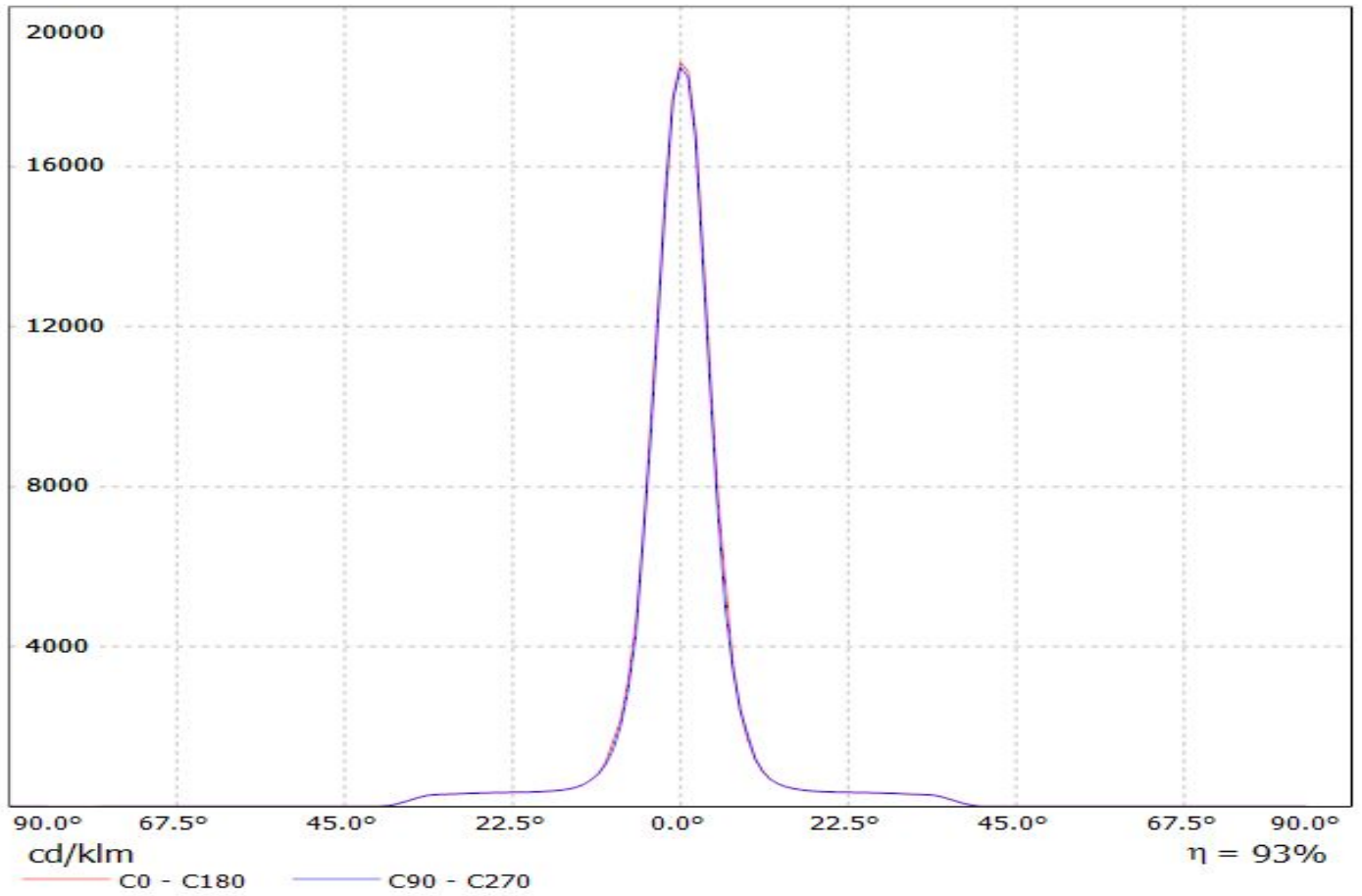
Luminaire: LEDiL Oy F13379_ANGELA-S_(CXM-14)

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



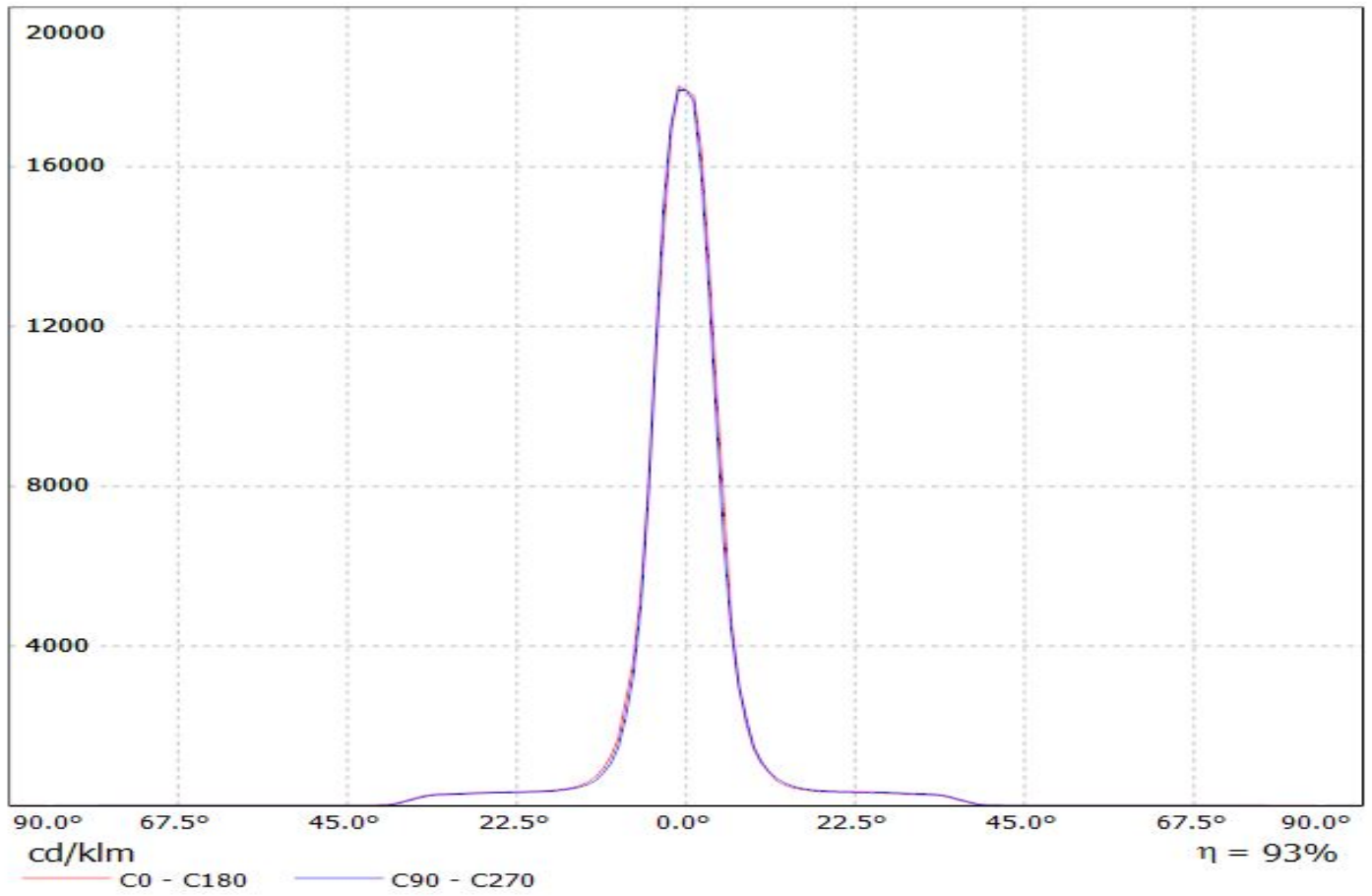
Luminaire: LEDiL Oy F13379_ANGELA-S_(CLL030) Eff.93.7%

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_982.337lm@250mA_P=8.39814W_I=249.9mA



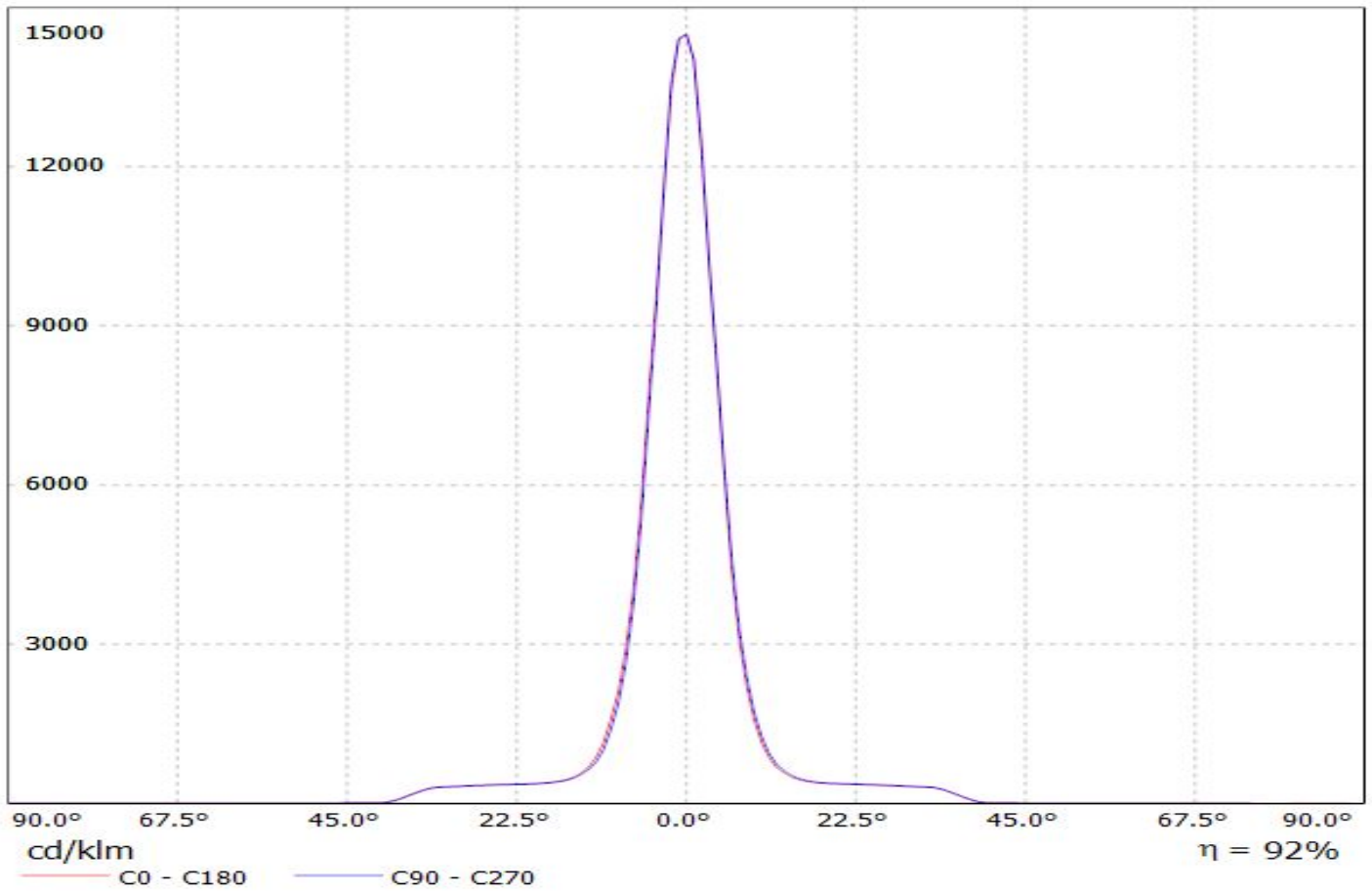
Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-461)

Lamps: 1 x Vossloh_WU-M-461_772.769lm@250mA_P=6.27899W_I=249.9mA

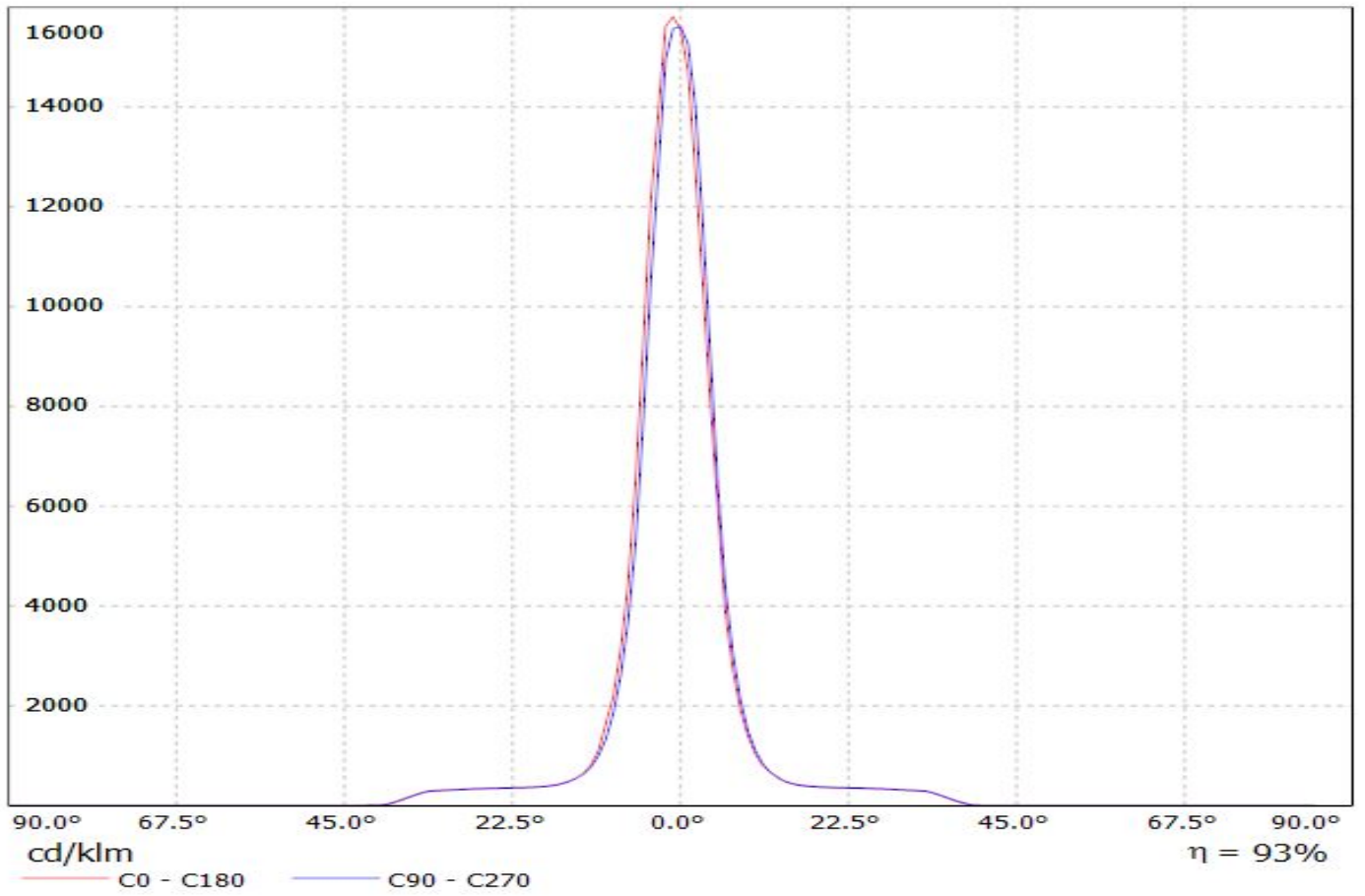


Luminaire: LEDiL Oy F13379_ANGELA-S_(Fortimo LED SLM L15 G4)

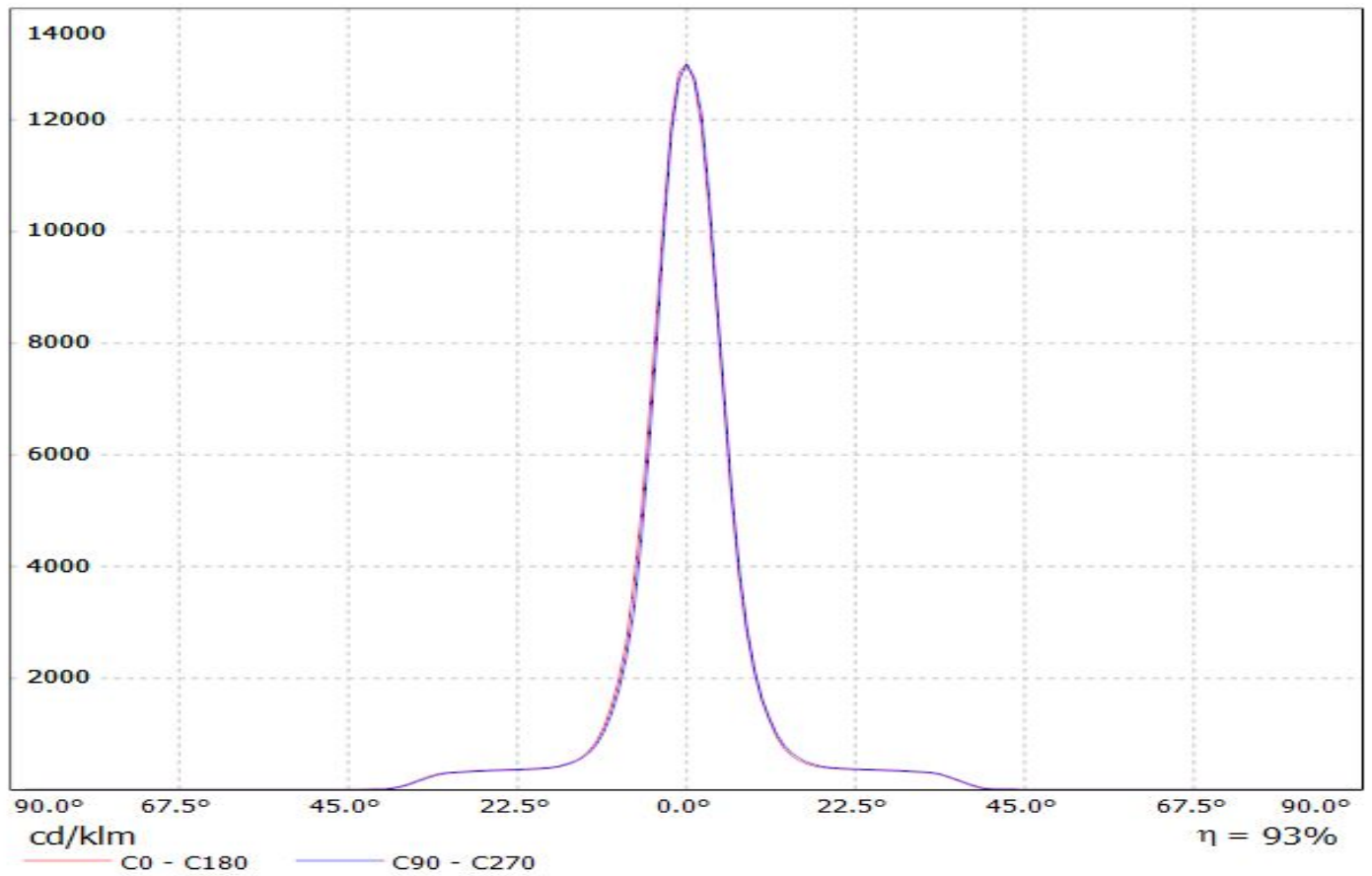
Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A



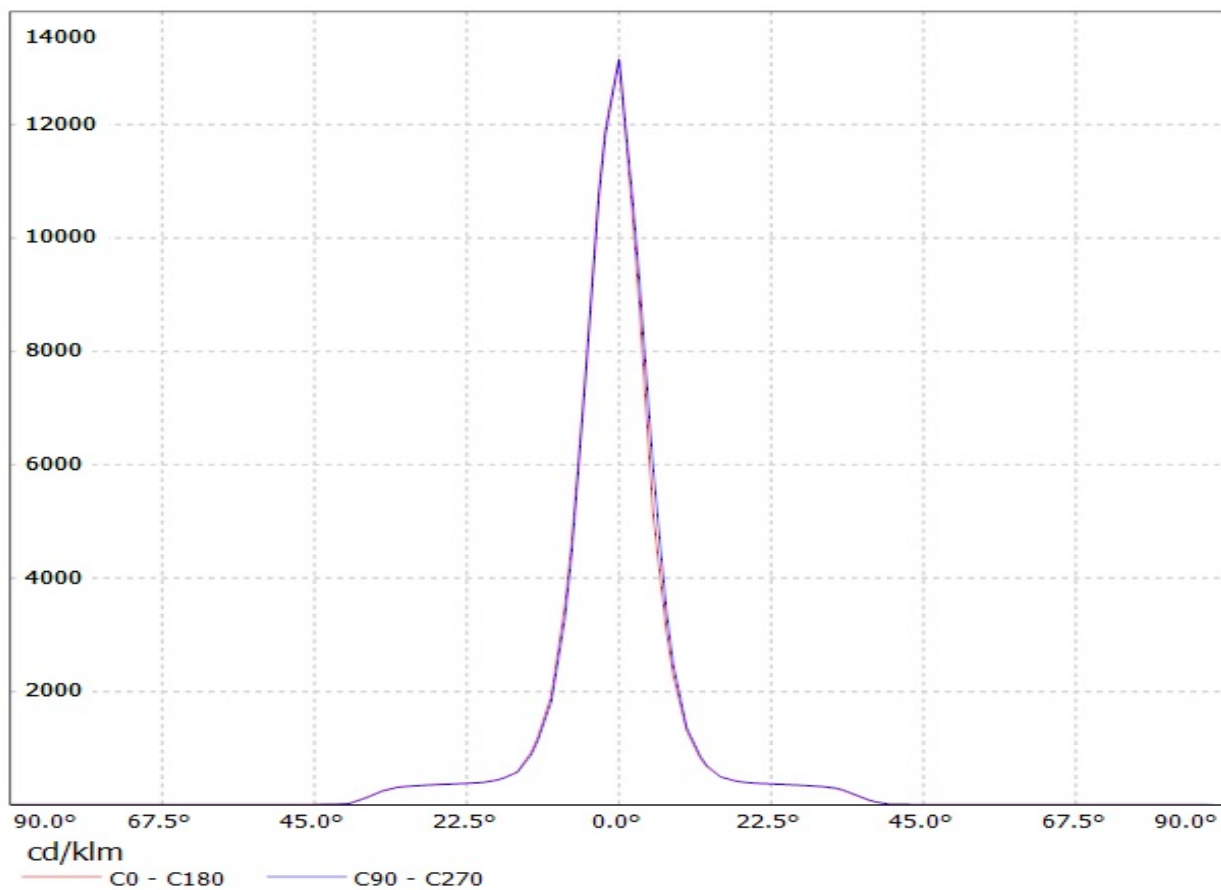
Luminaire: LEDiL Oy F13379_ANGELA-S_(COB_1208) Eff.93.7%
Lamps: 1 x Luxeon_COB_1208_1028.07lm@250mA_P=8.23995W_I=249.9mA



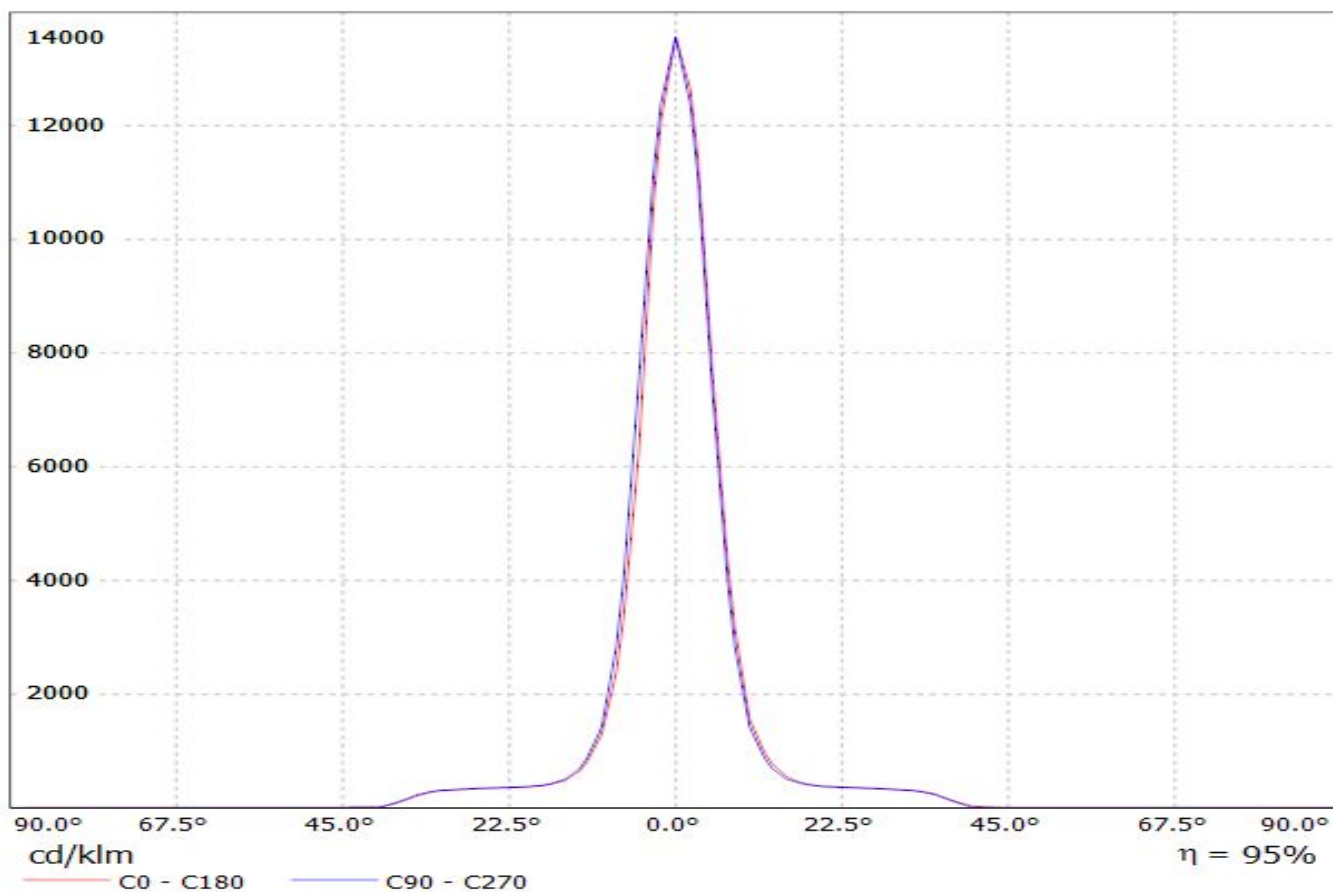
Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES19)
Lamps: 1 x Osram_PrevaLED_CORE_Z3_LES19_(PL-CORE-2000-830-Z3)
_1356.73lm@250mA_P=10.5228W_I=249.9mA



Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_Z4)_Eff: 93%
Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA

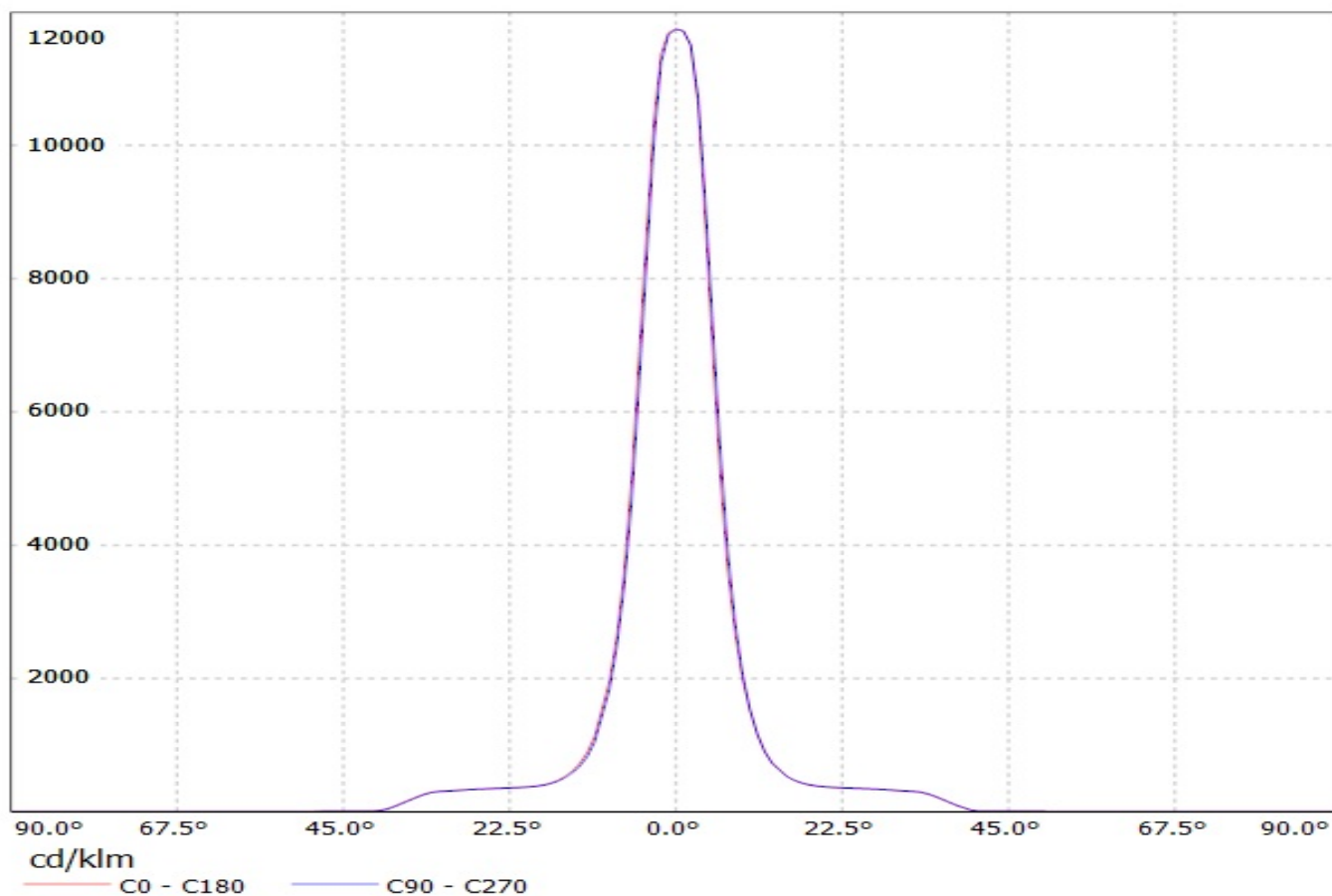


Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_S19)
Lamps: 1 x Osram_SOLERIQ_S19_1390.09lm@250mA_P=10.5413W_I=249.8mA

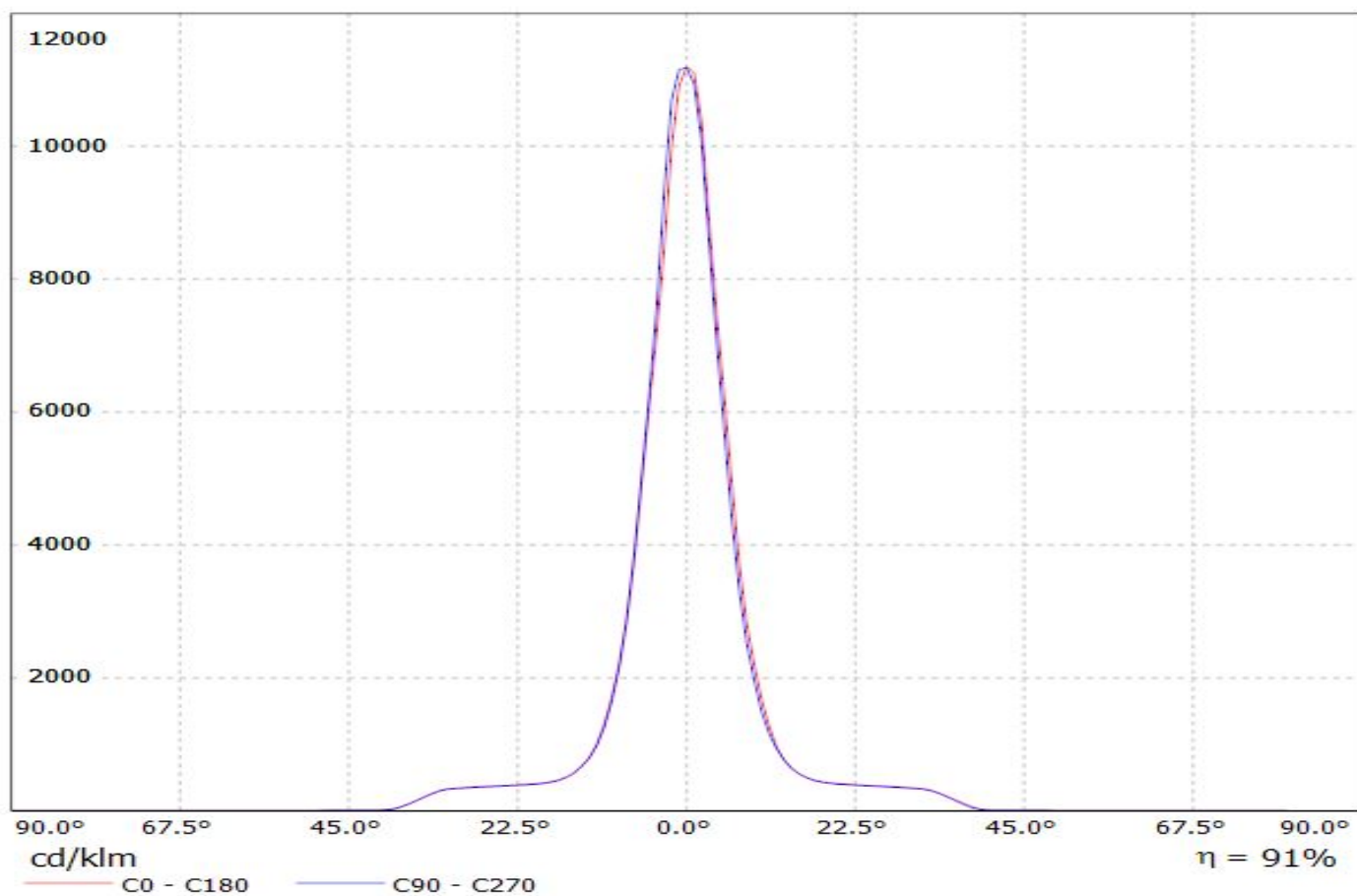


Luminaire: LEDiL Oy F13379_ANGELA-S_(LC040B)

Lamps: 1 x Samsung_LC040B_(SPHWW1HDNE25010101)_1029.97lm@250mA_P=8.12175W_I=249.9mA

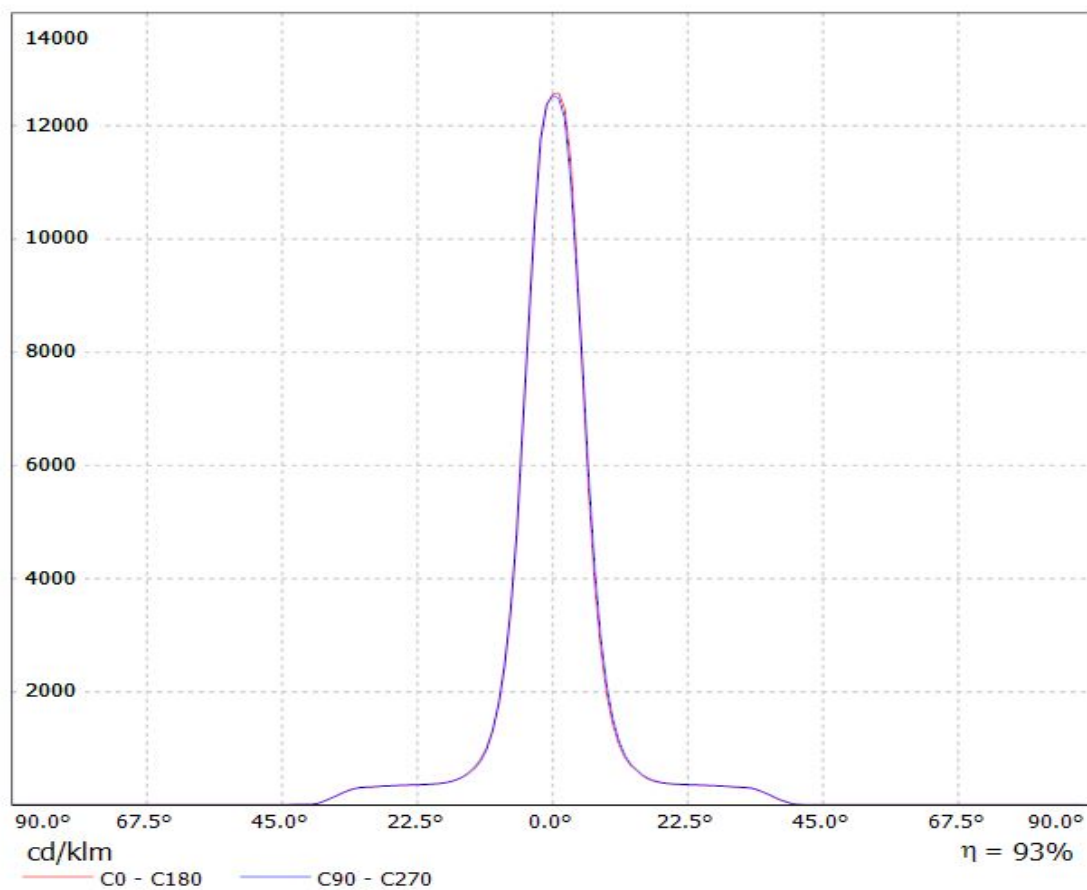


Luminaire: LEDiL Oy F13379_ANGELA-S_(LEP-2000-827-C-AC) Eff.91.7%
Lamps: 1 x Osram_PrevaLED_Core-AC_(LEP-2000-827-C-AC)_1967.74lm@120mA_P=27.2W_I=120mA

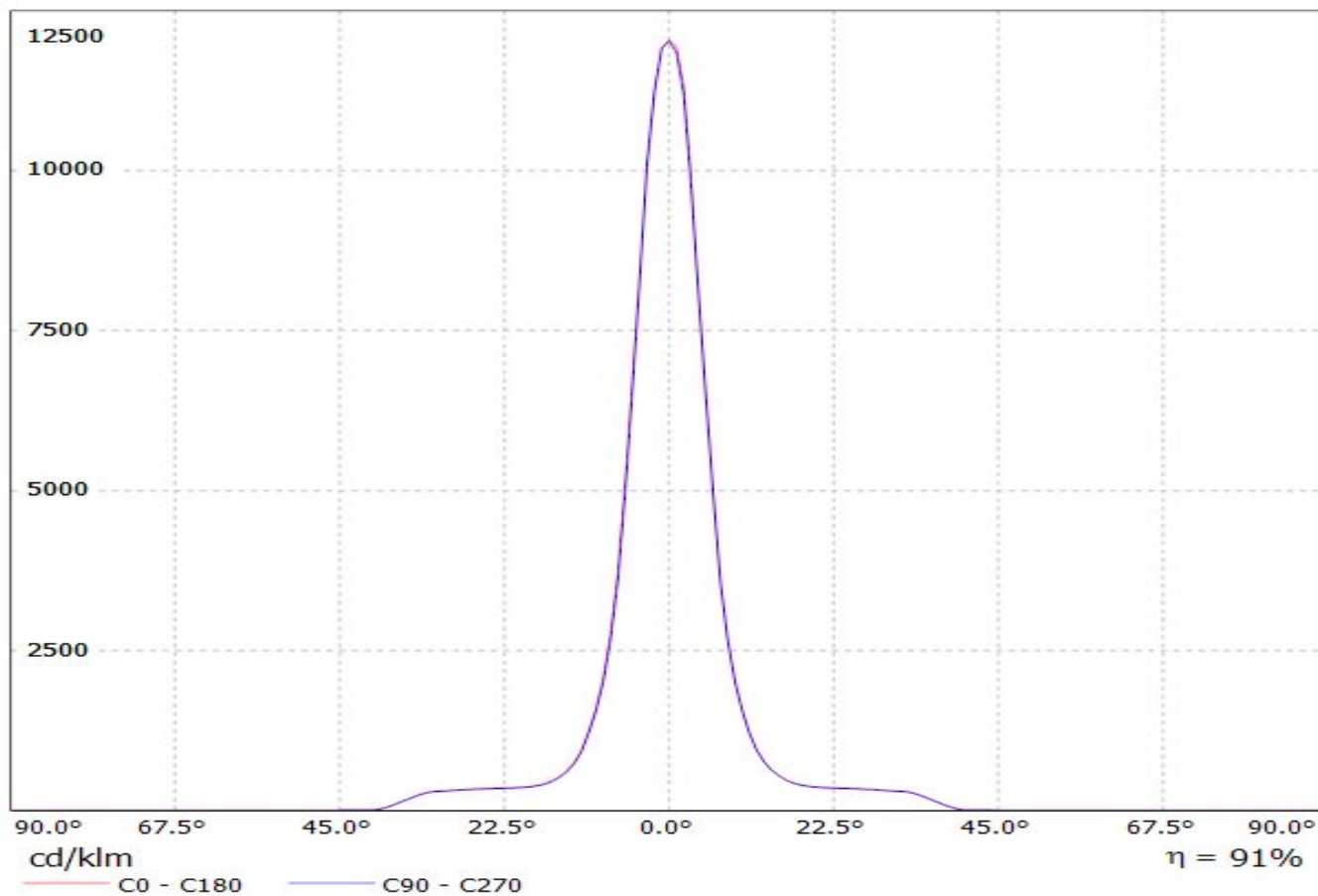


Luminaire: LEDiL Oy F13379_ANGELA-S (STARK_LES19)

Lamps: 1 x Tridonic_STARK_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1050.59lm@250mA_P=8.3639W_I=249.9mA

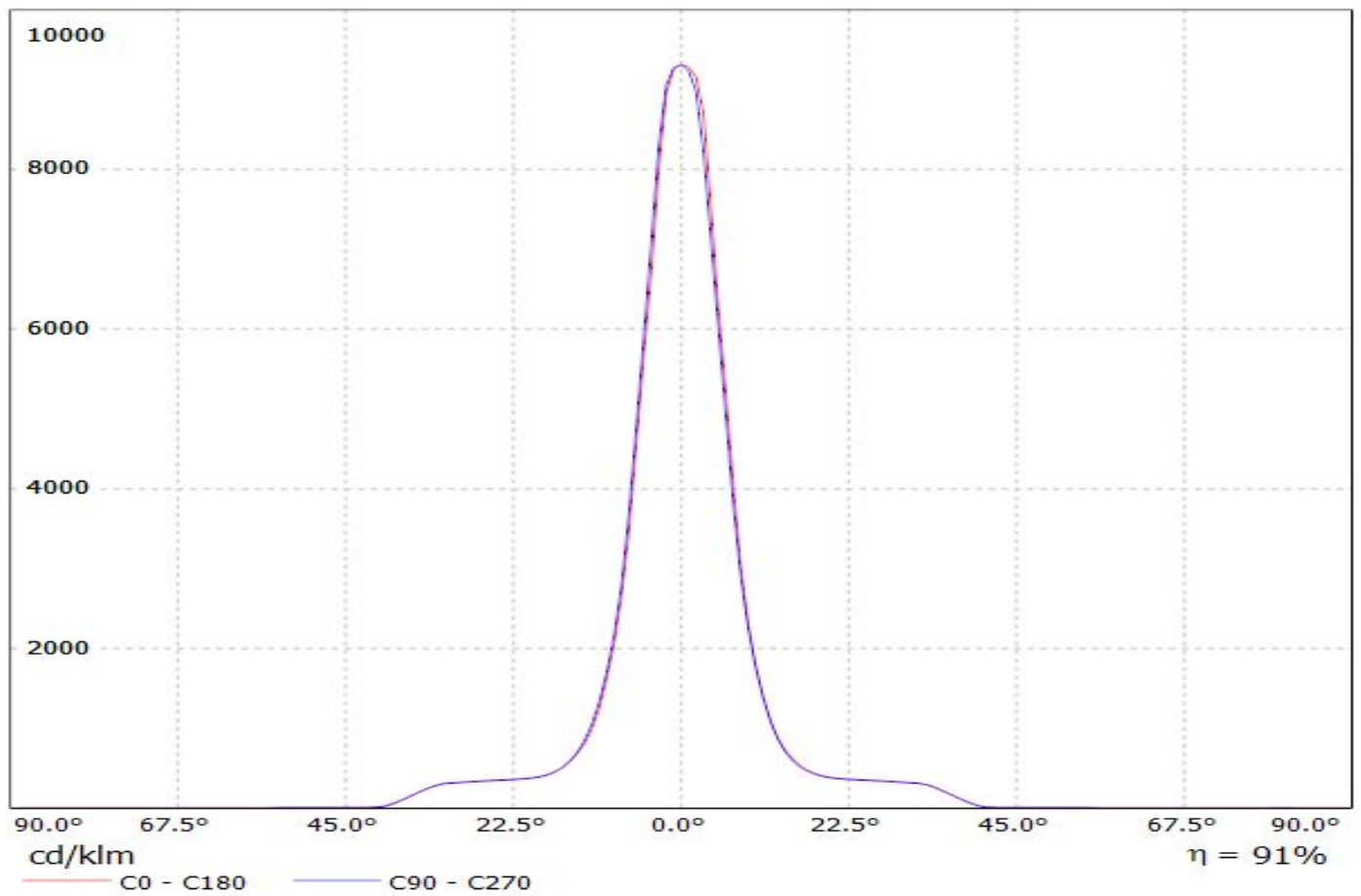


Luminaire: LEDiL Oy F13379_ANGELA-S_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_I=0.2498A



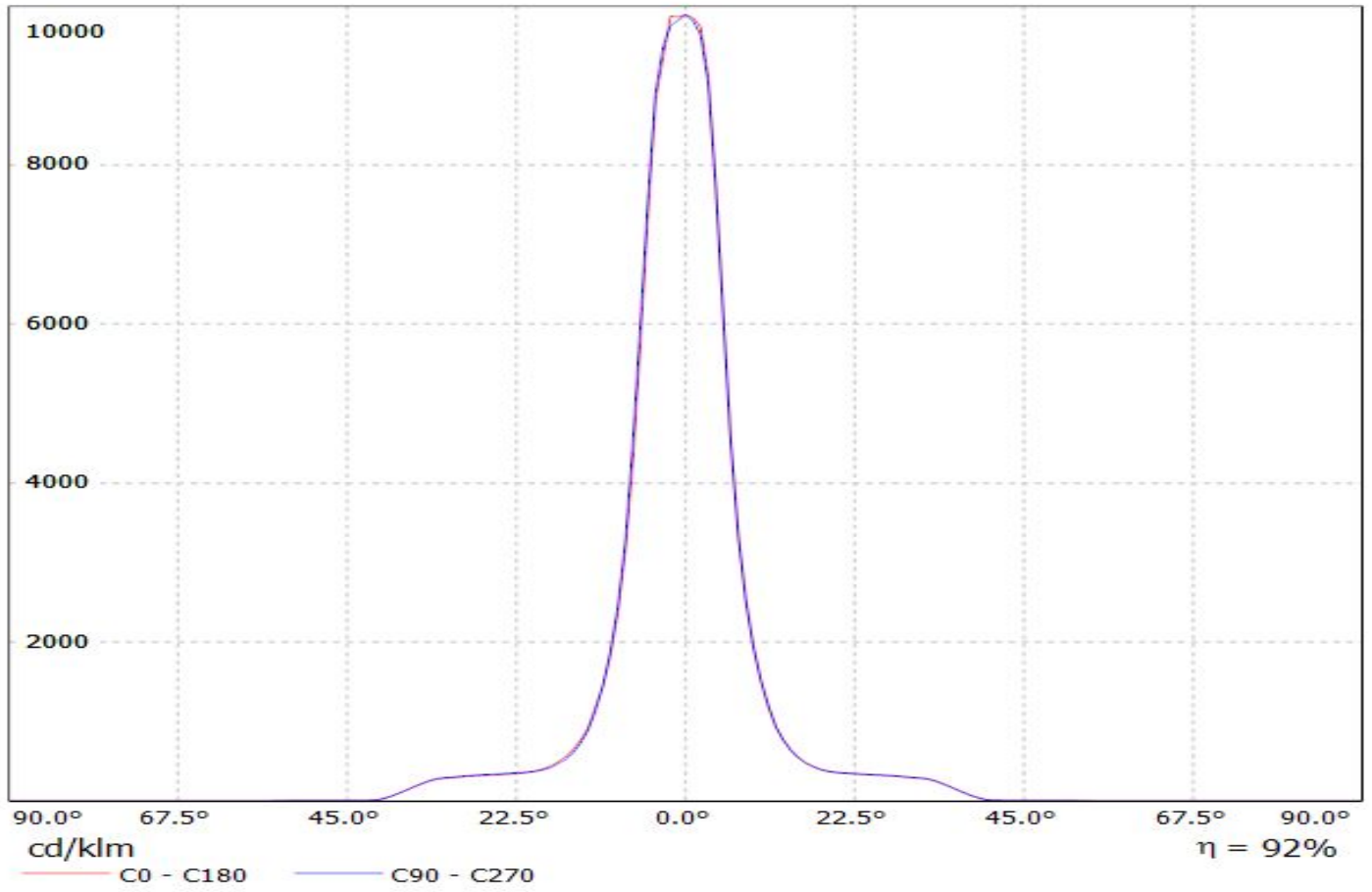
Luminaire: LEDiL Oy F13379_ANGELA-S_(Fortimo LED SLM L19 G4)

Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A

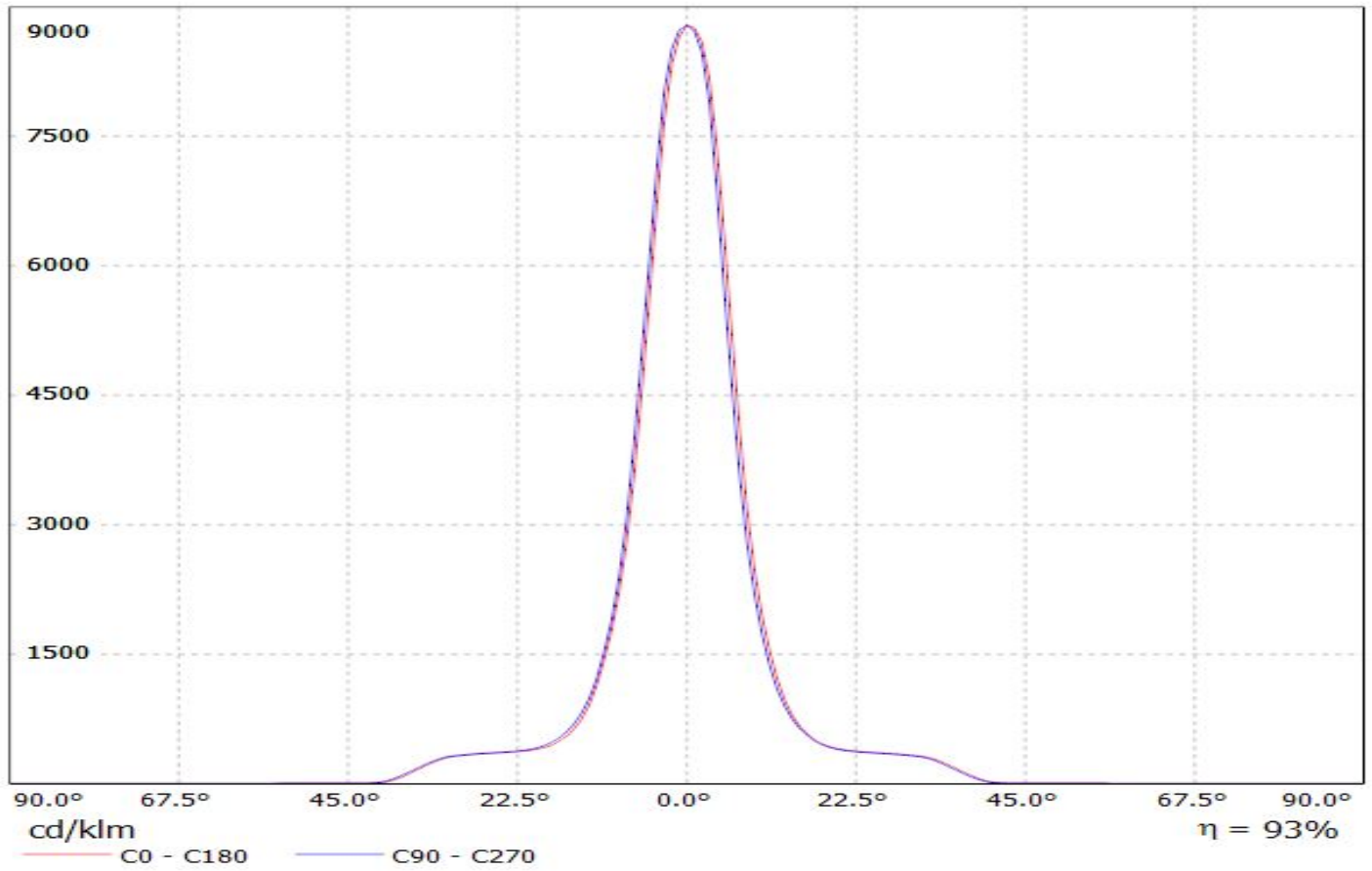


Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-464)

Lamps: 1 x Vossloh_WU-M-464_1454.63lm@250mA_P=11.7114W_I=249.8mA

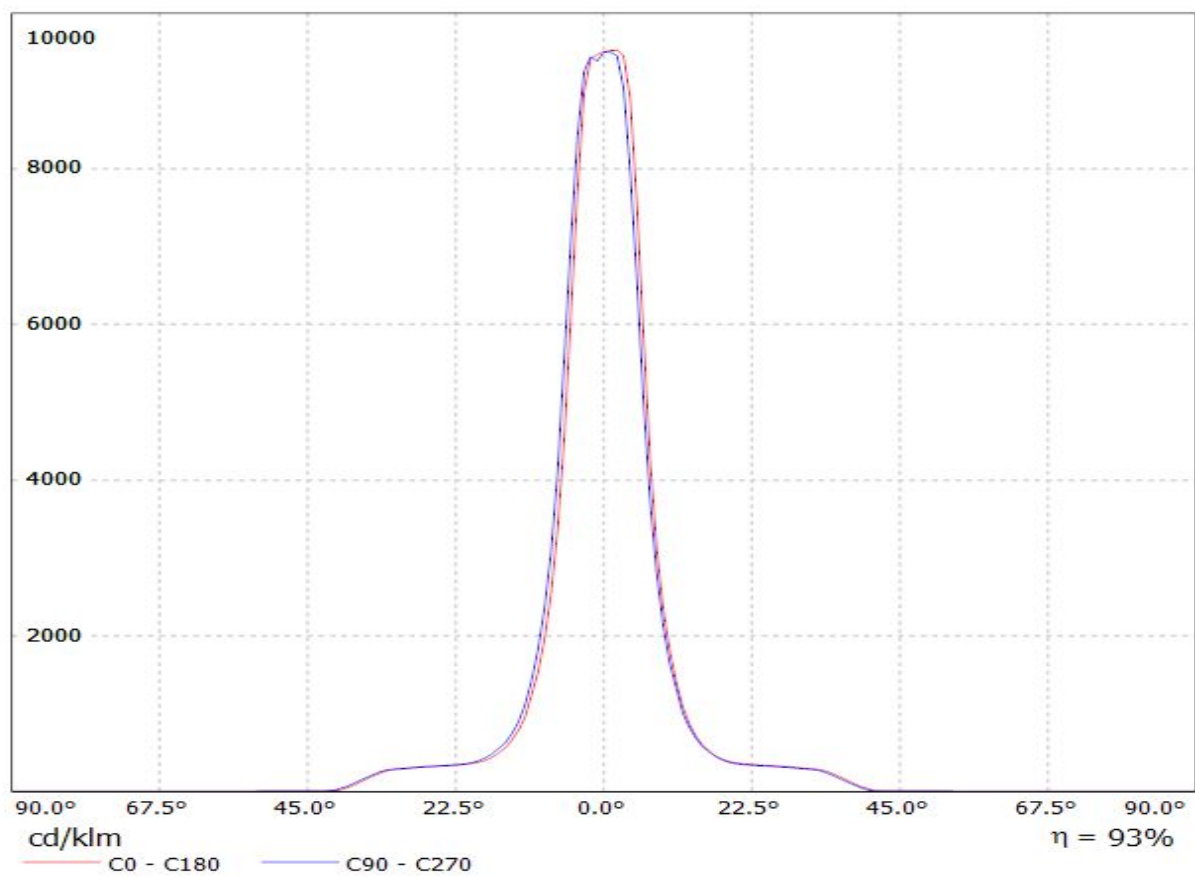


Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES23)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES23_(PL-CORE-5000-930-Z3)
_1130.05lm@250mA_P=10.0097W_I=249.9mA

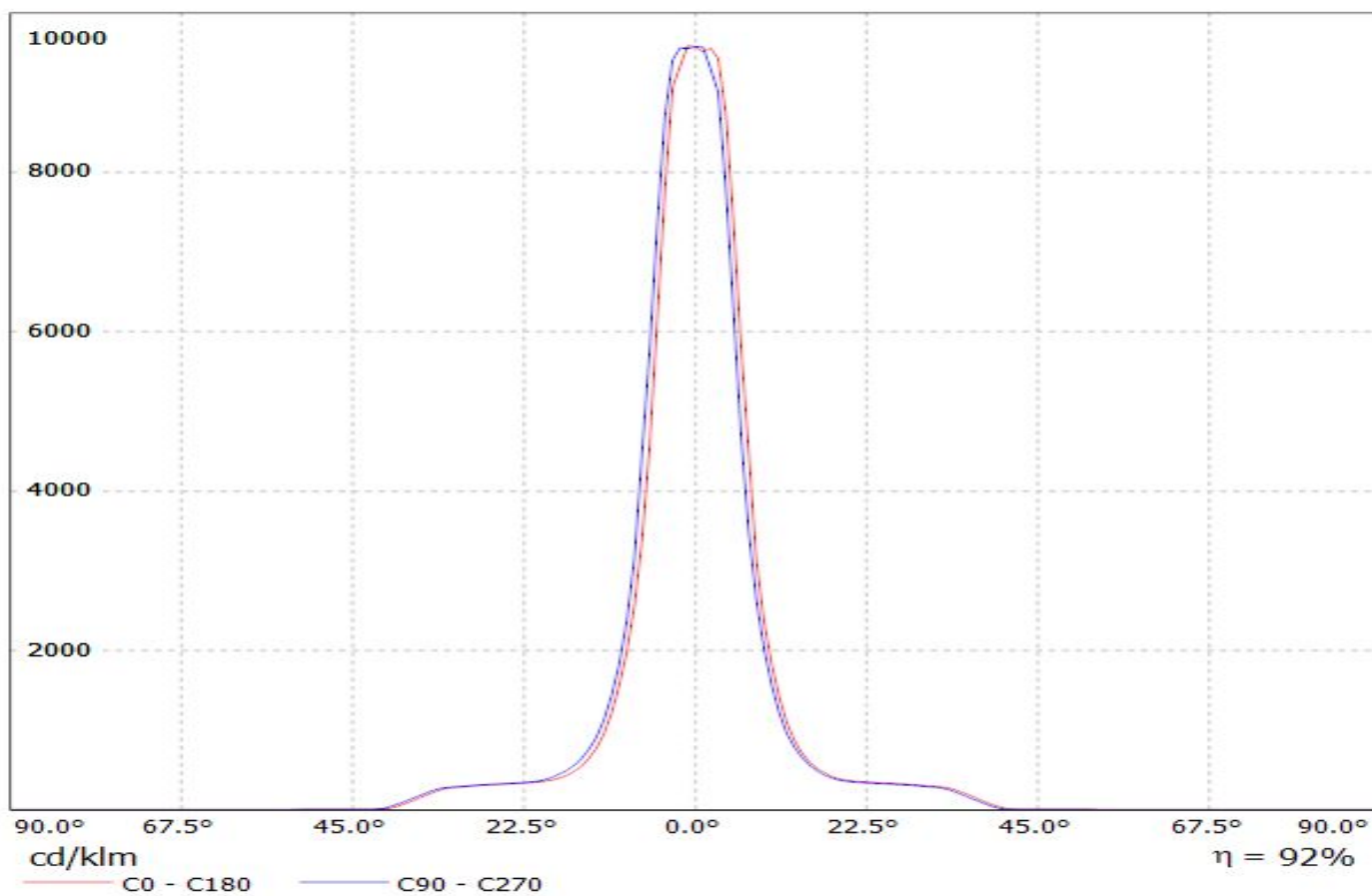


Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-485)

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

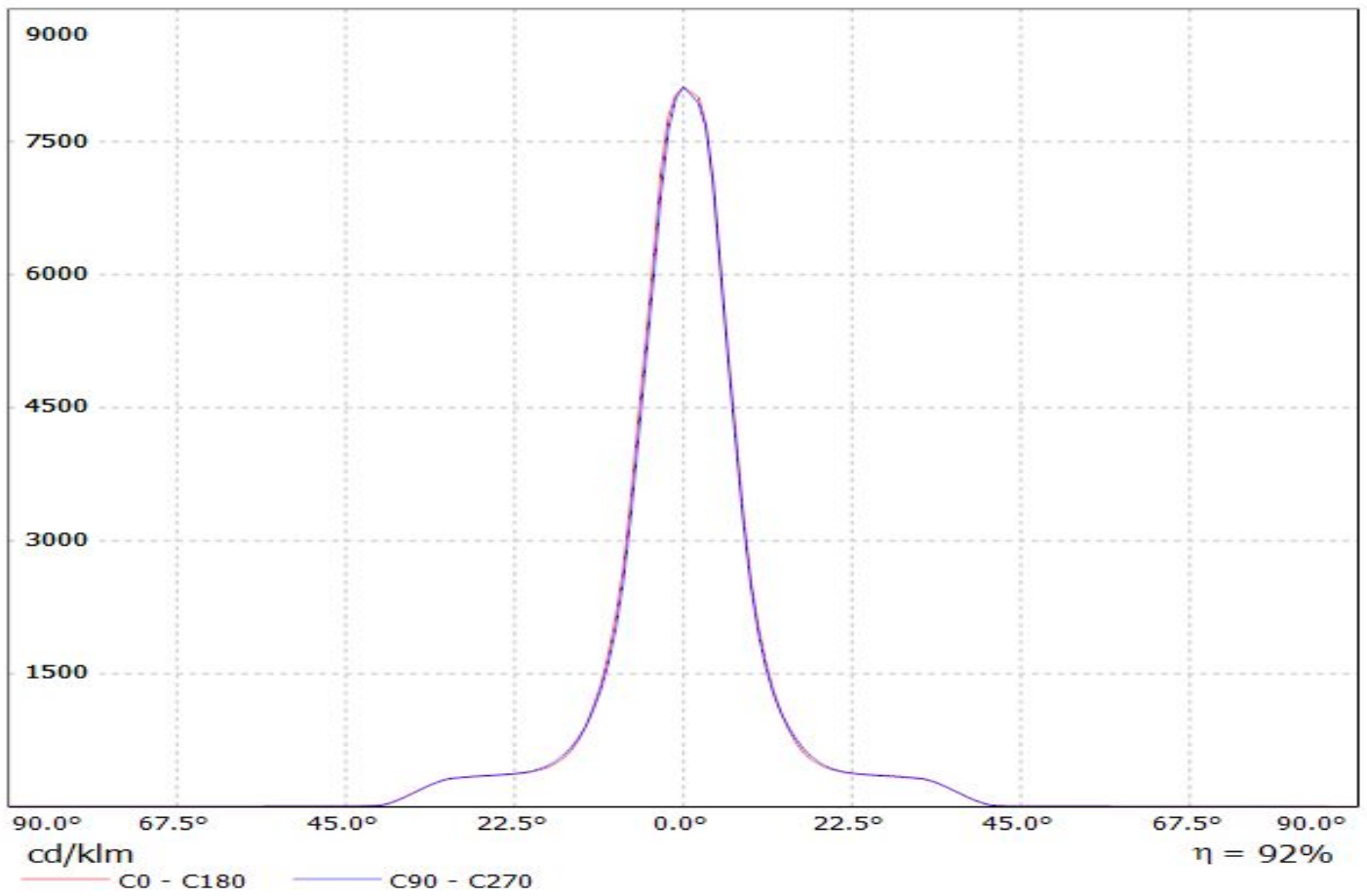


Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-486) Eff.92.6%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



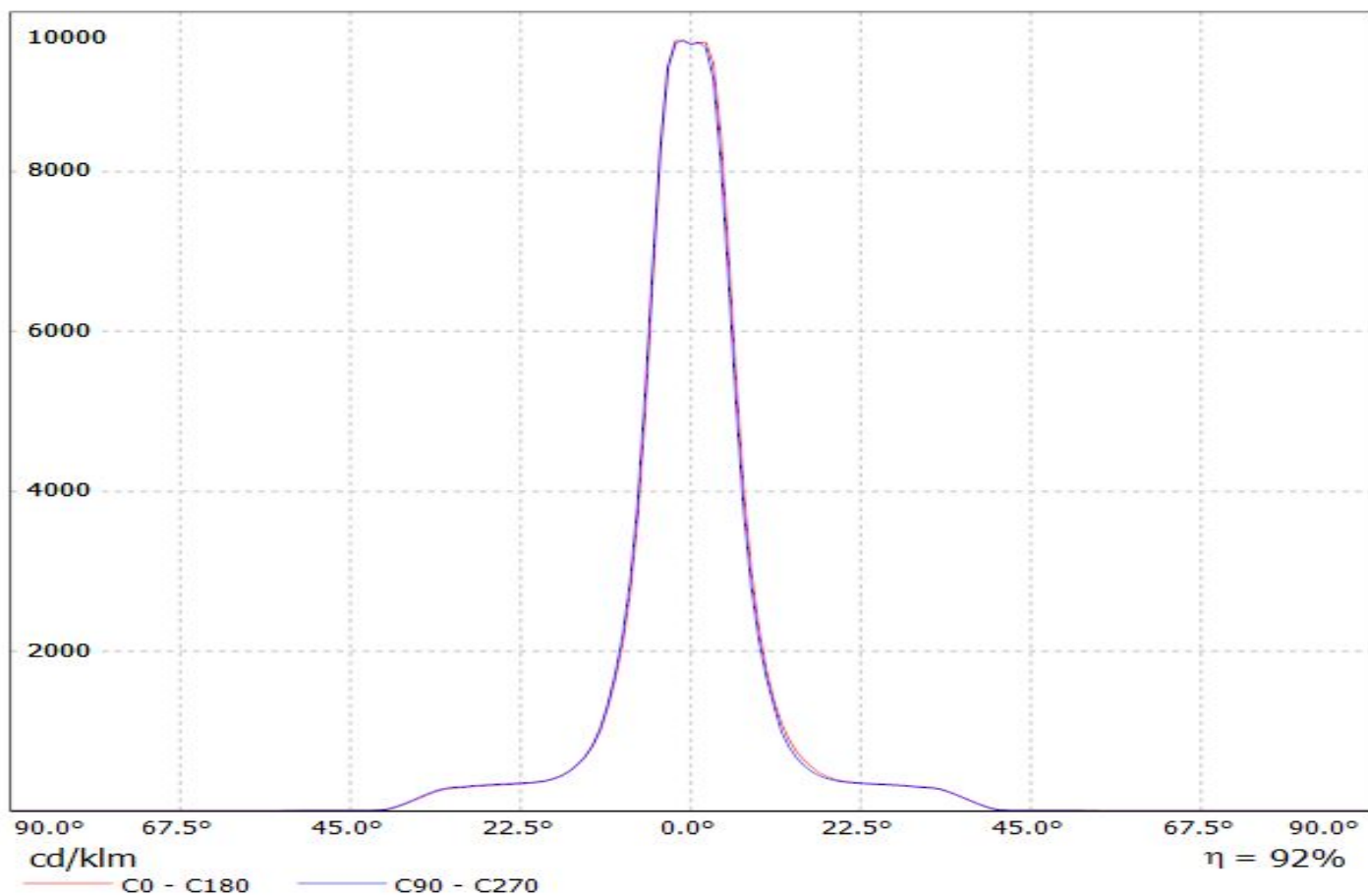
Luminaire: LEDiL Oy F13379_ANGELA-S_(SLE_G4_LES23)

Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A



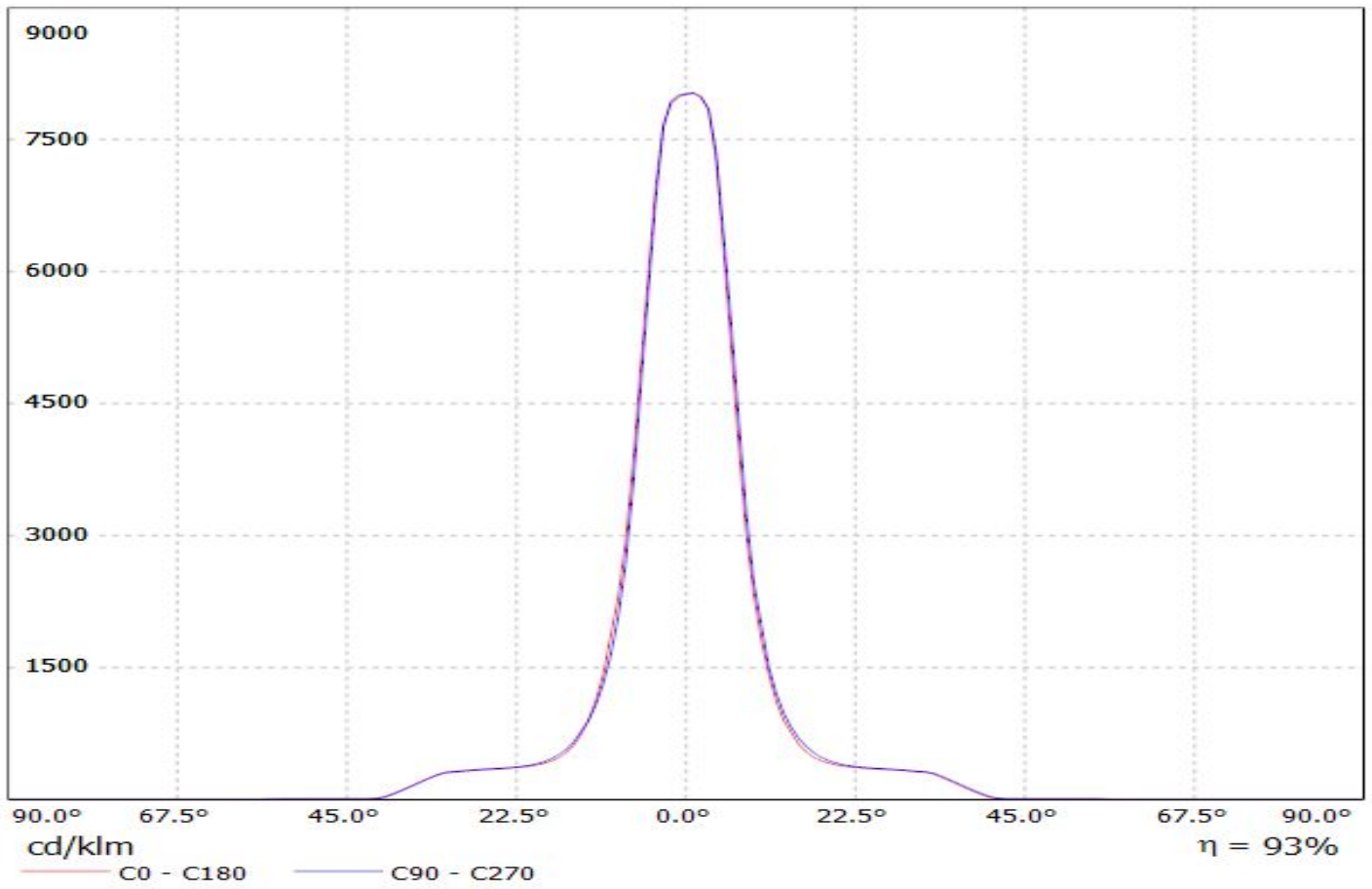
Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-462)

Lamps: 1 x Vossloh_WU-M-462_1123.47lm@250mA_P=9.01639W_I=249.9mA

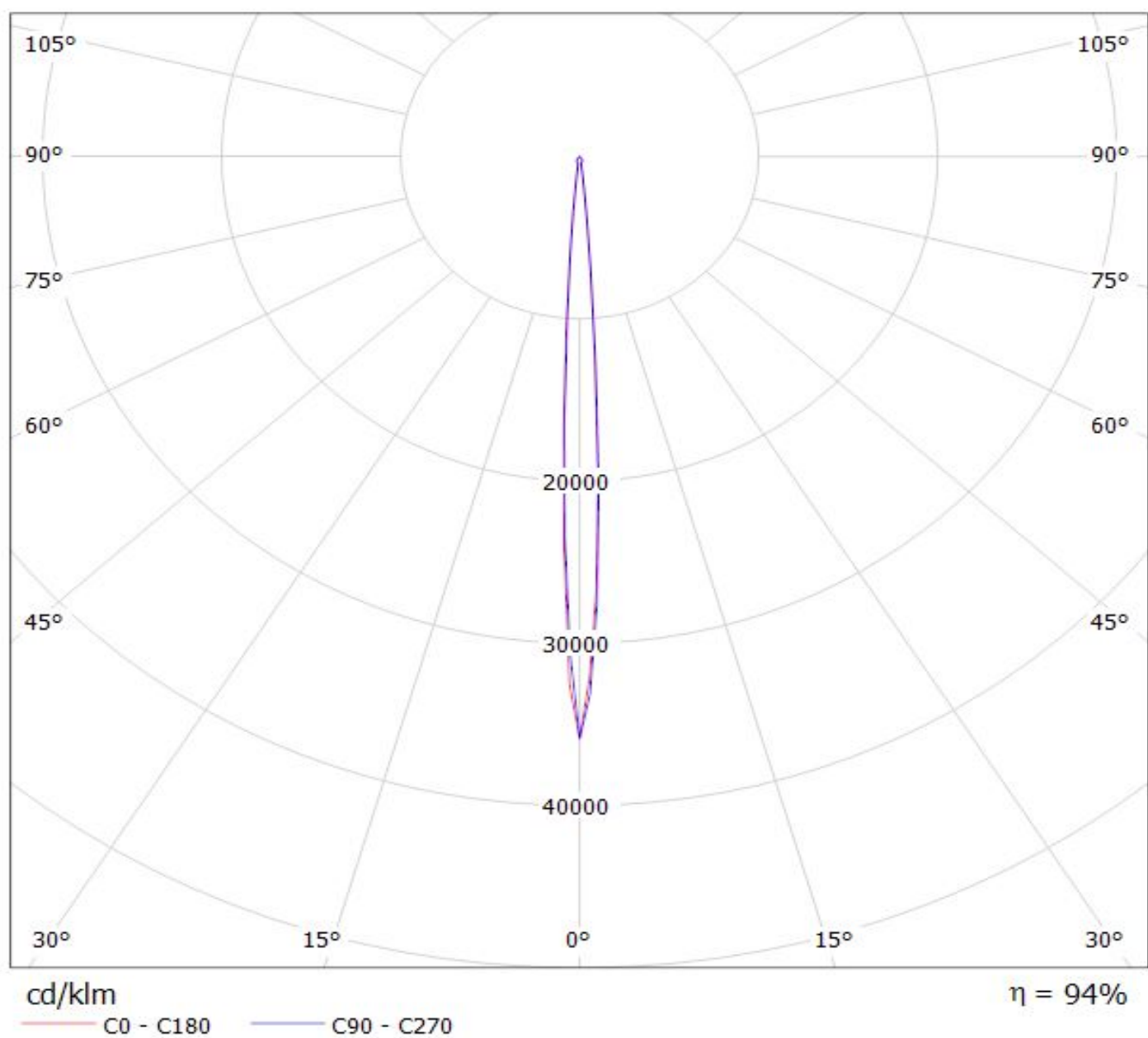


Luminaire: LEDiL Oy F13379_ANGELA-S_(STARK_LES23) Eff.92.7%

Lamps: 1 x Tridonic_STARK_SLE_G3_LES23_795.318lm@250mA_P=8.22646W_I=249.9mA

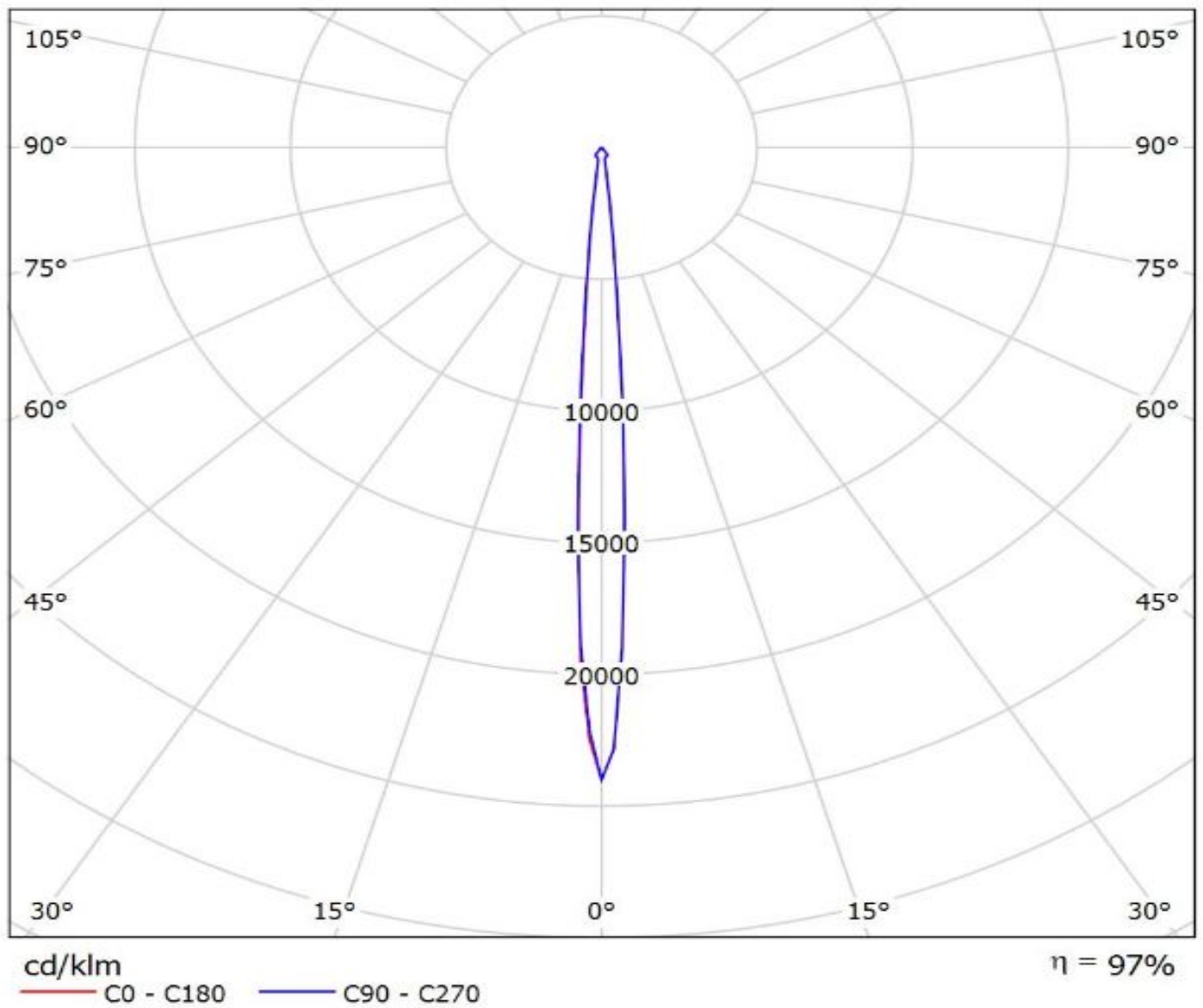


Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES9)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES9_(PL-CORE-1100-830-Z3)
_1142.1lm@250mA_P=12.1952W_I=249.8mA



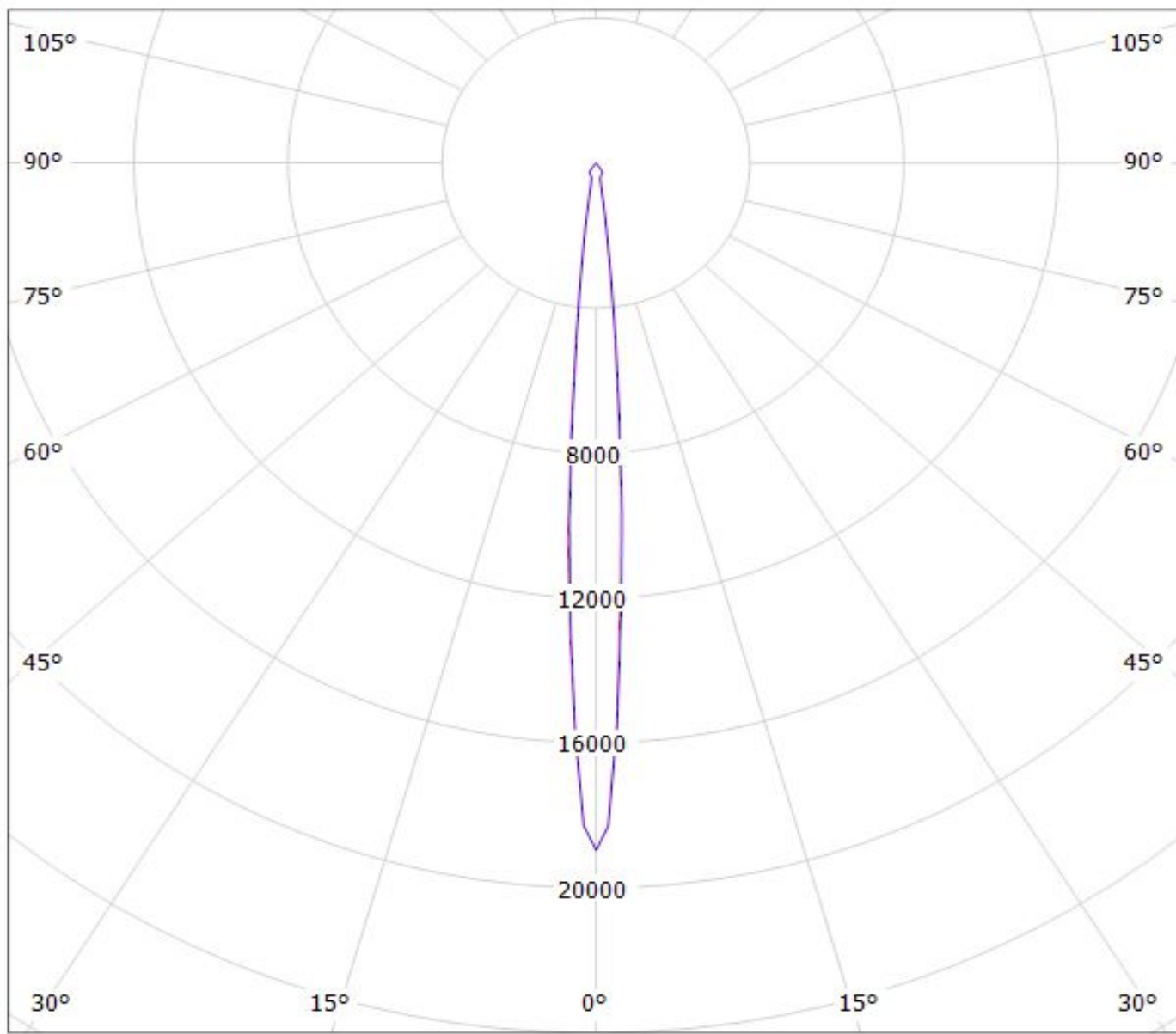
Ledil F13379_ANGELA-S_(CLU720) / LDC (Polar)

Luminaire: Ledil F13379_ANGELA-S_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Luminaire: LEDiL Oy F13379_ANGELA-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

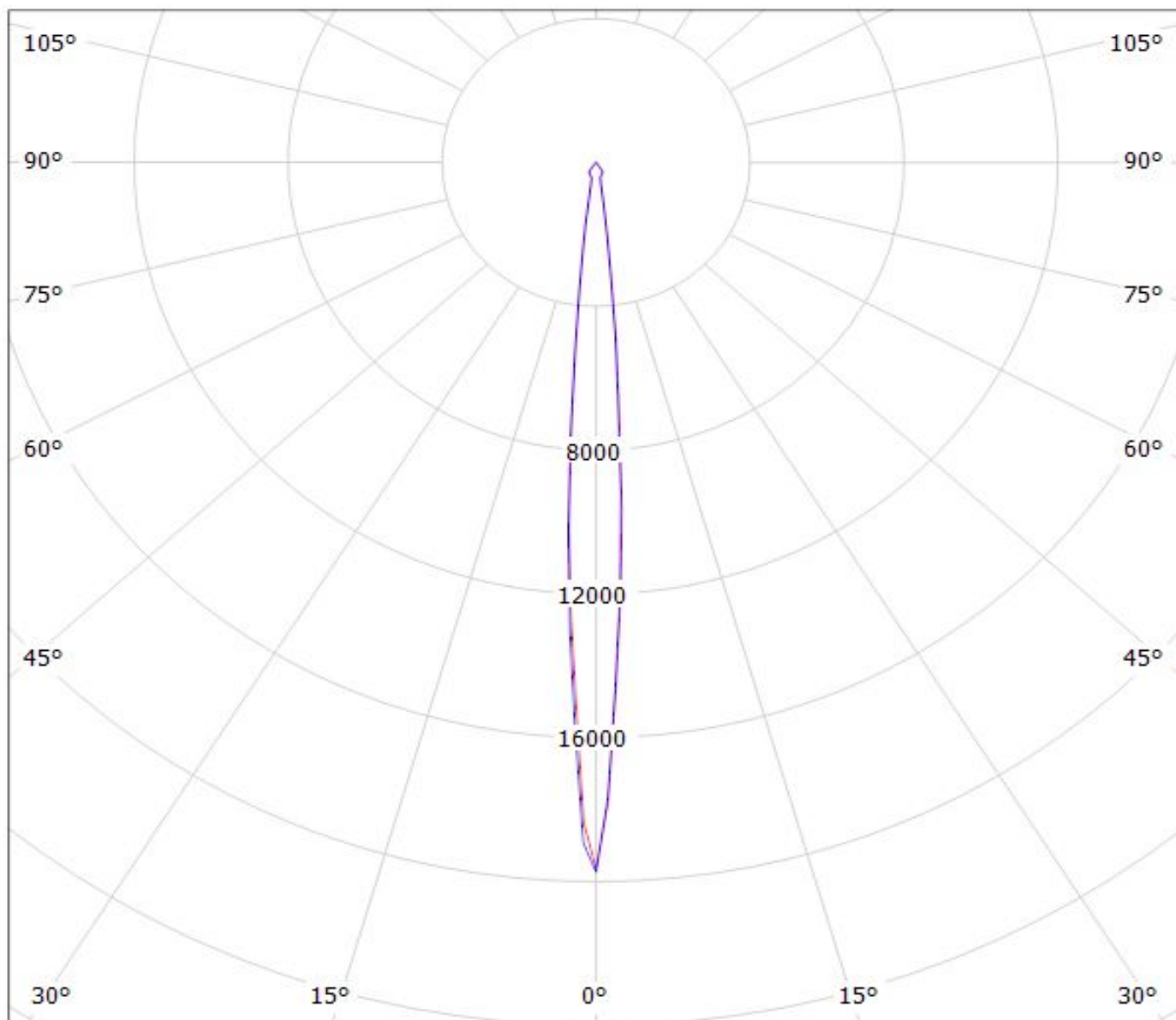
$\eta = 92\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(LEP-800-827-C-AC) Eff.94%

Lamps: 1 x Osram_PrevaLED_Core-AC_(LEP-800-827-C-AC)_914.023lm@60mA_P=14W_I=60mA



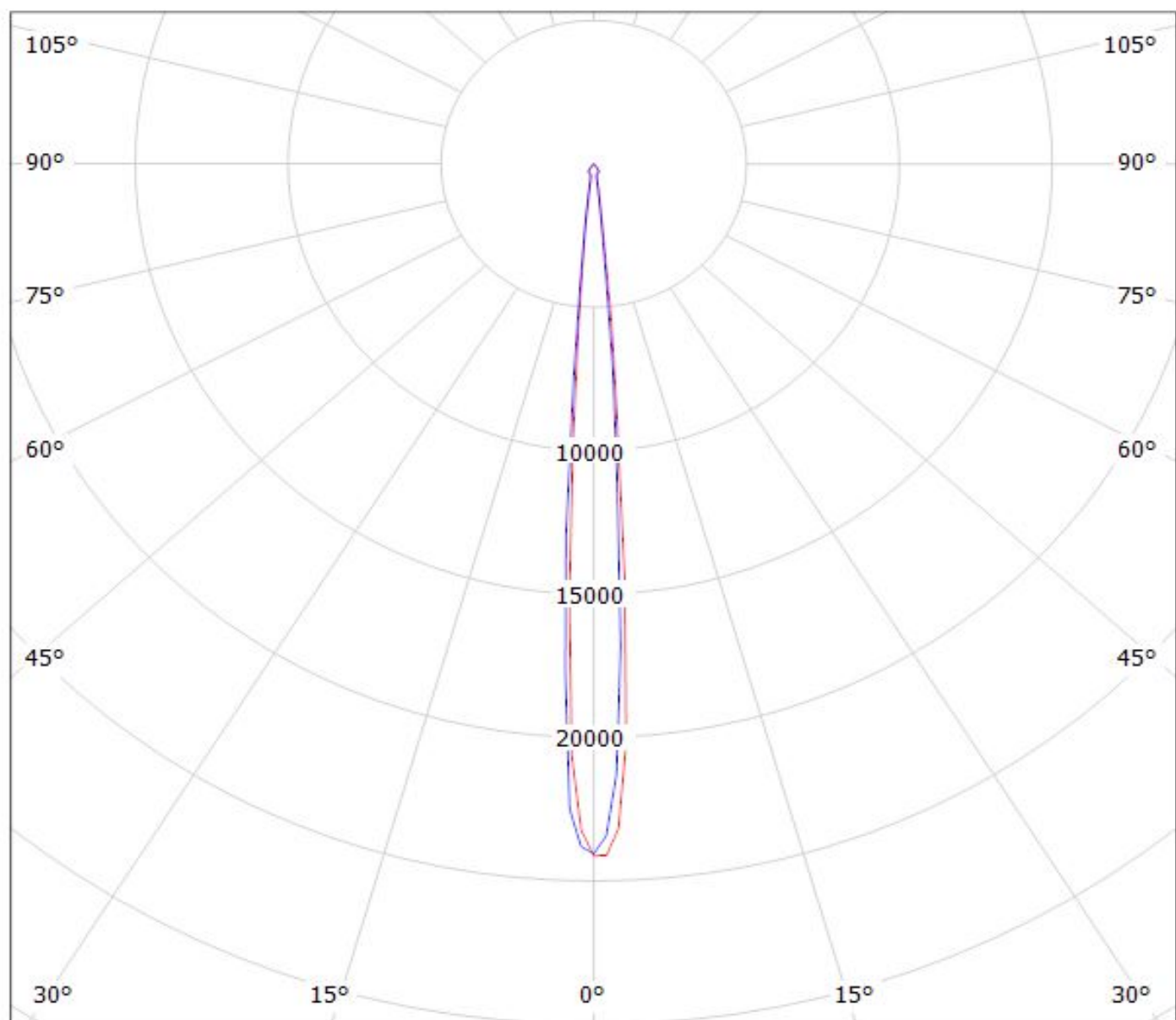
cd/klm

$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(NSBxL121A) Eff.95.0%
Lamps: 1 x Nichia_NSBxL121A_920.44lm@250mA_P=7.57797W_I=249.9mA



cd/klm

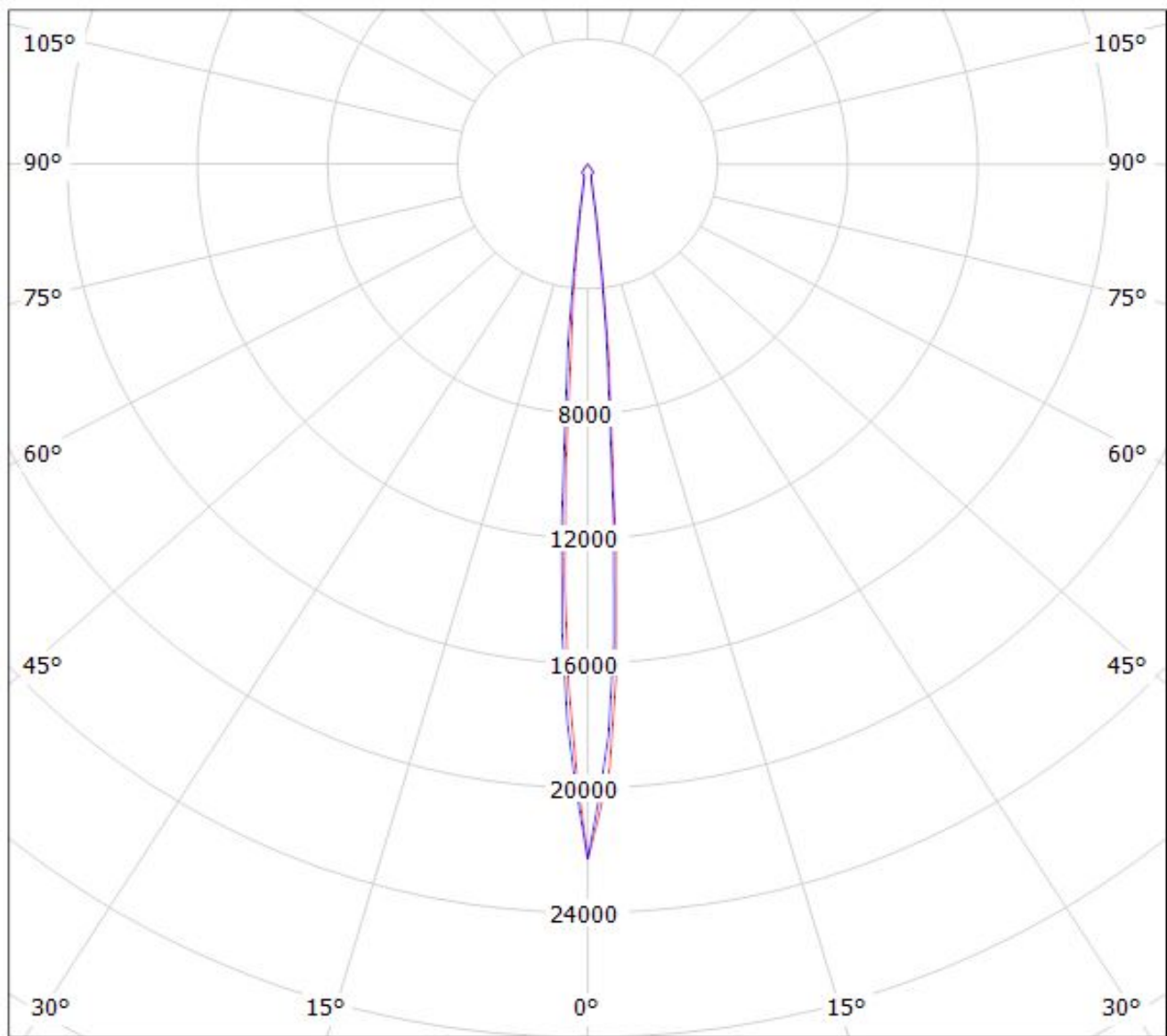
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_S13)

Lamps: 1 x Osram_SOLERIQ_S13_877.374lm@250mA_P=7.44379W_I=249.8mA



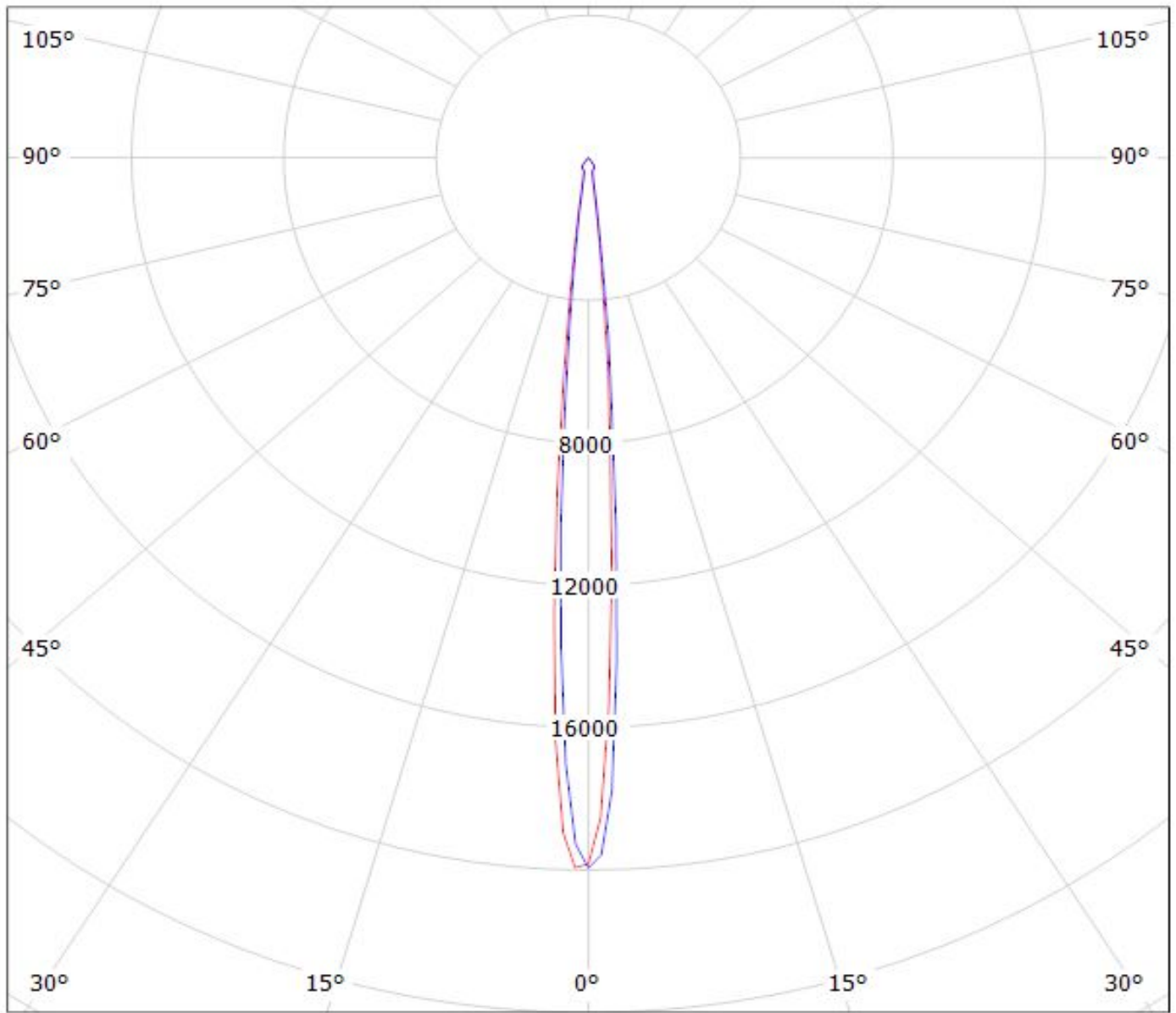
cd/klm

$\eta = 95\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(COB_1205) Eff.94.0%
Lamps: 1 x Luxeon_COB_1205_1092.75lm@250mA_P=8.33092W_I=249.9mA



cd/klm

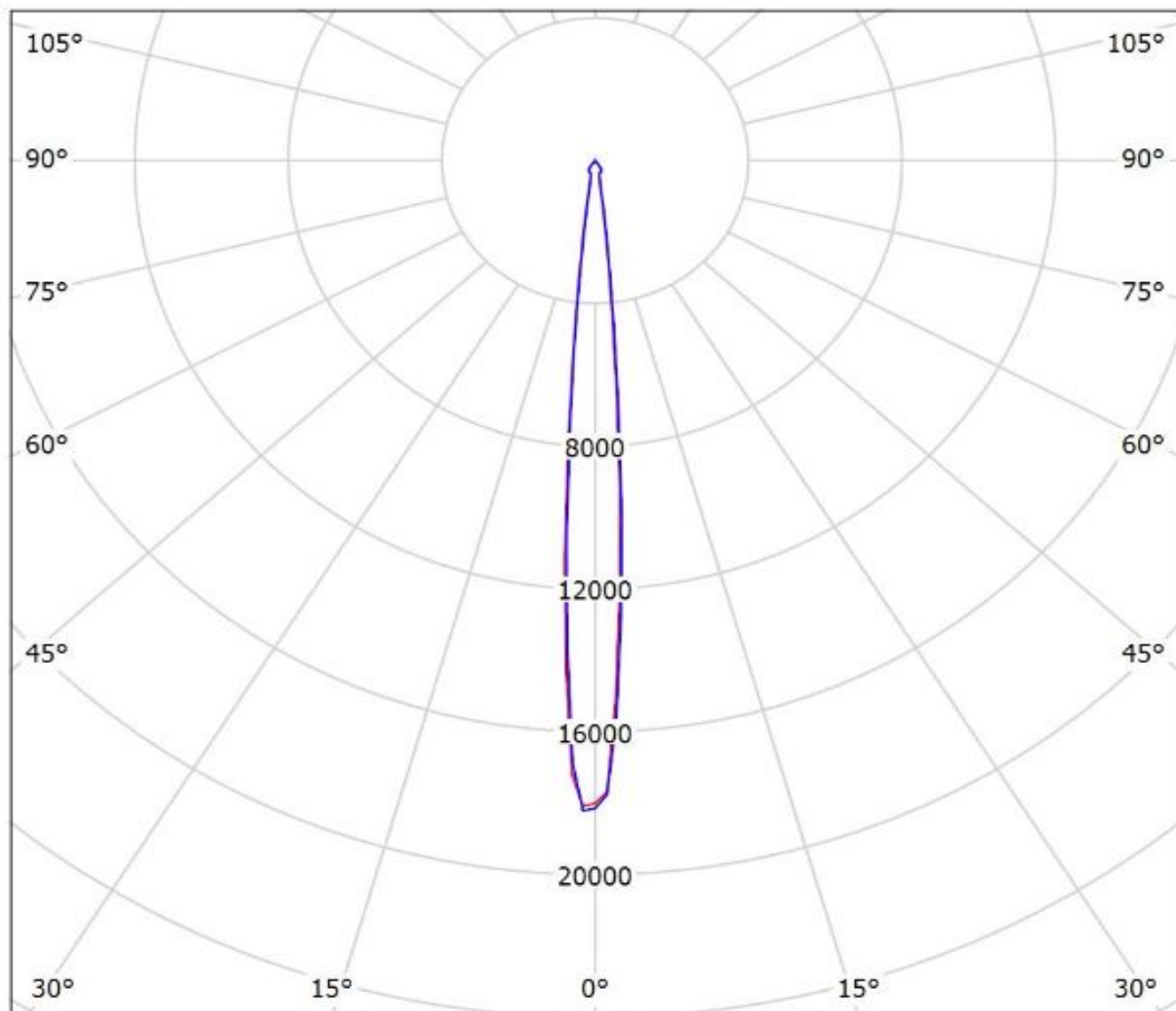
$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



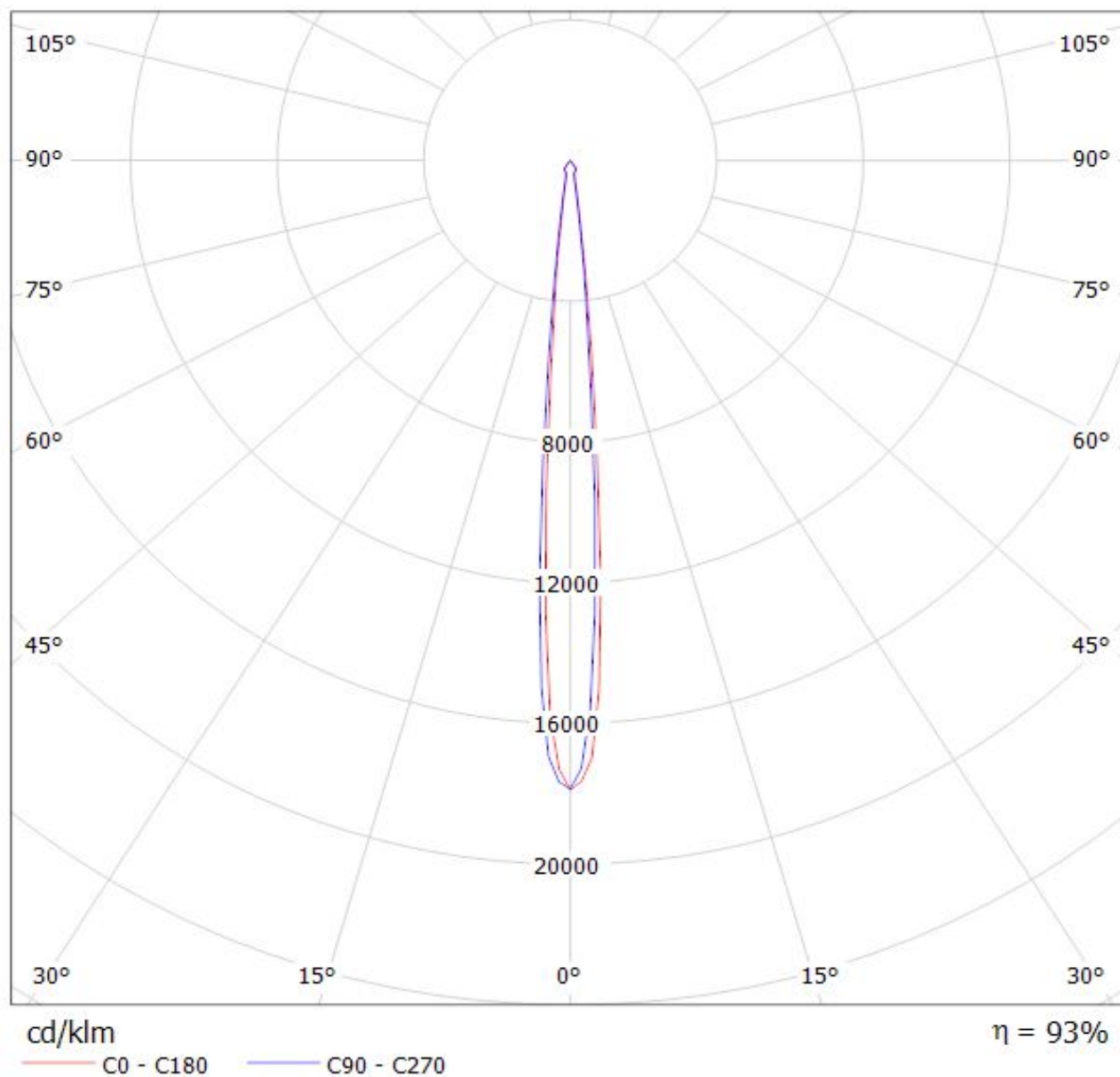
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

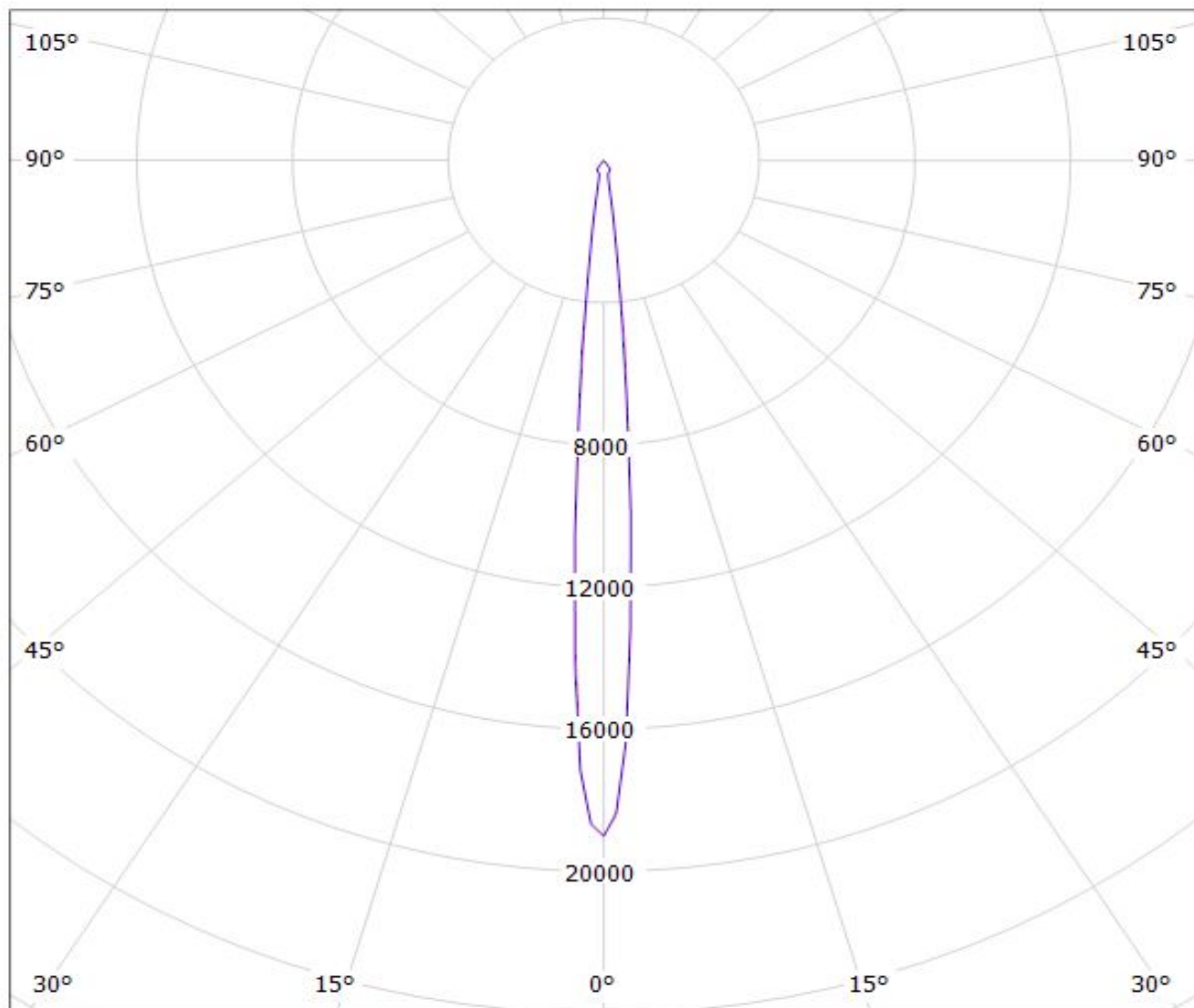
Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_I=249.9mA



Luminaire: LEDiL Oy F13379_ANGELA-S_(CXM-14)

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



cd/klm

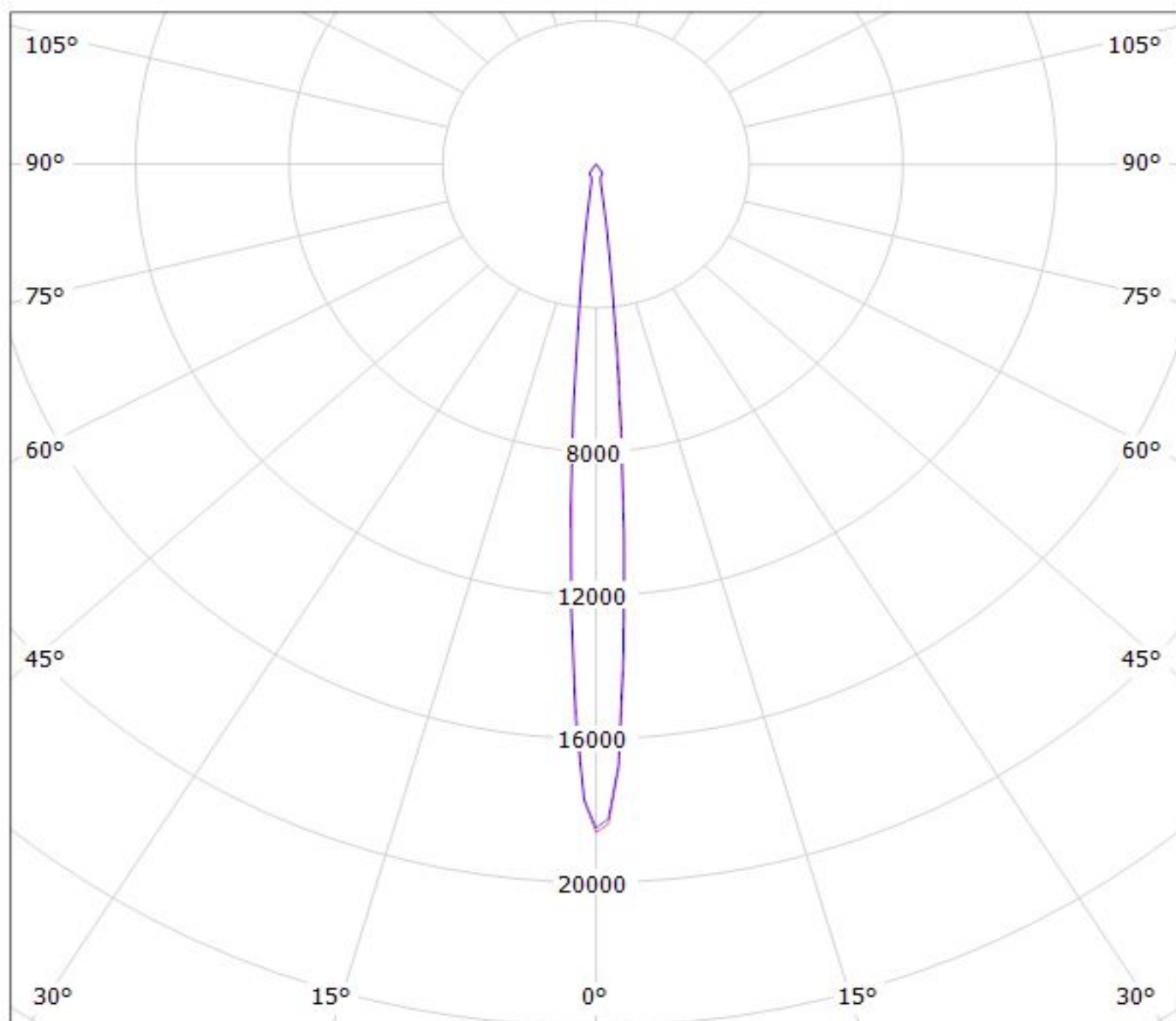
$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(CLL030) Eff.93.7%

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_982.337lm@250mA_P=8.39814W_I=249.9mA



cd/klm

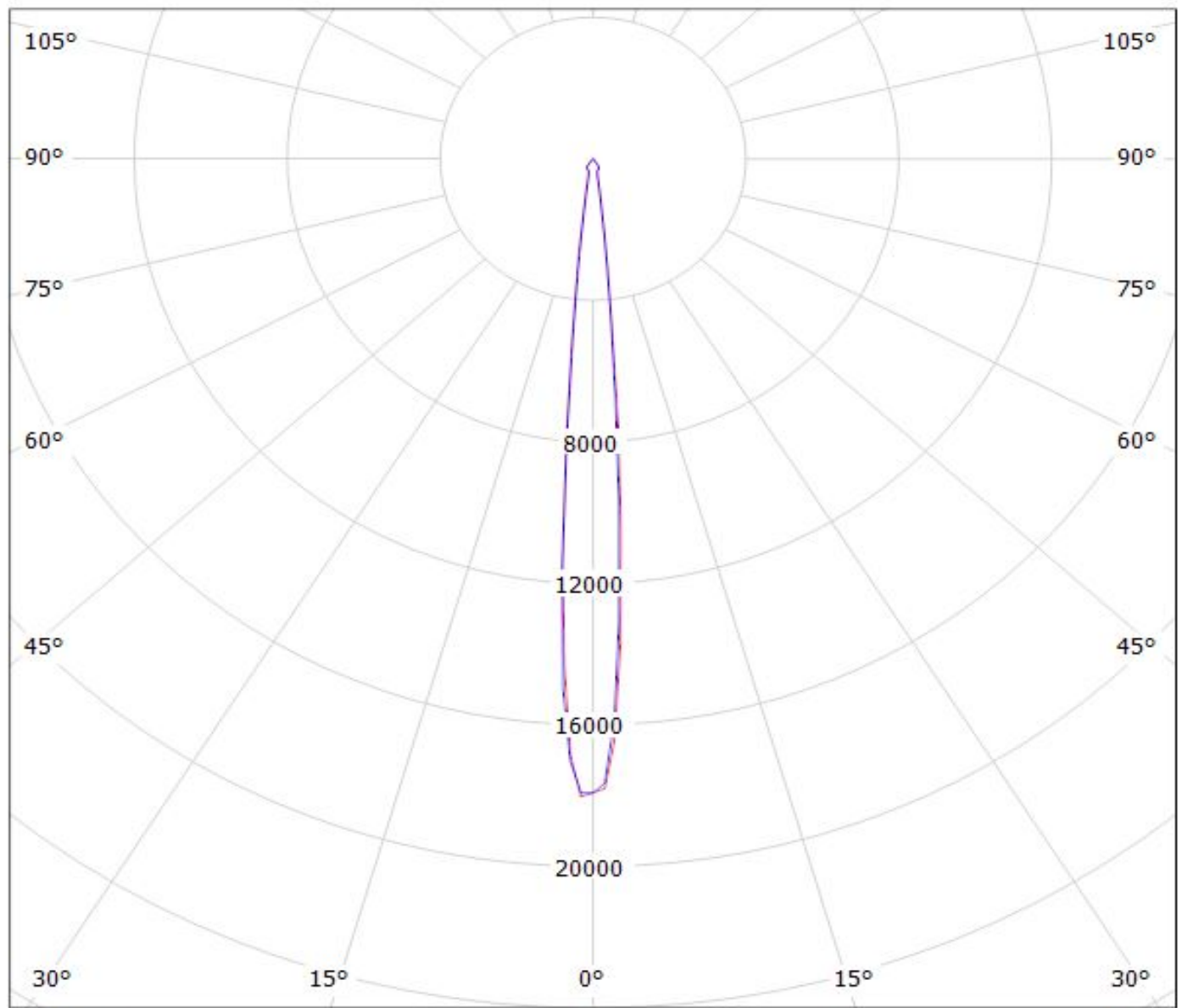
$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-461)

Lamps: 1 x Vossloh_WU-M-461_772.769lm@250mA_P=6.27899W_I=249.9mA



cd/klm

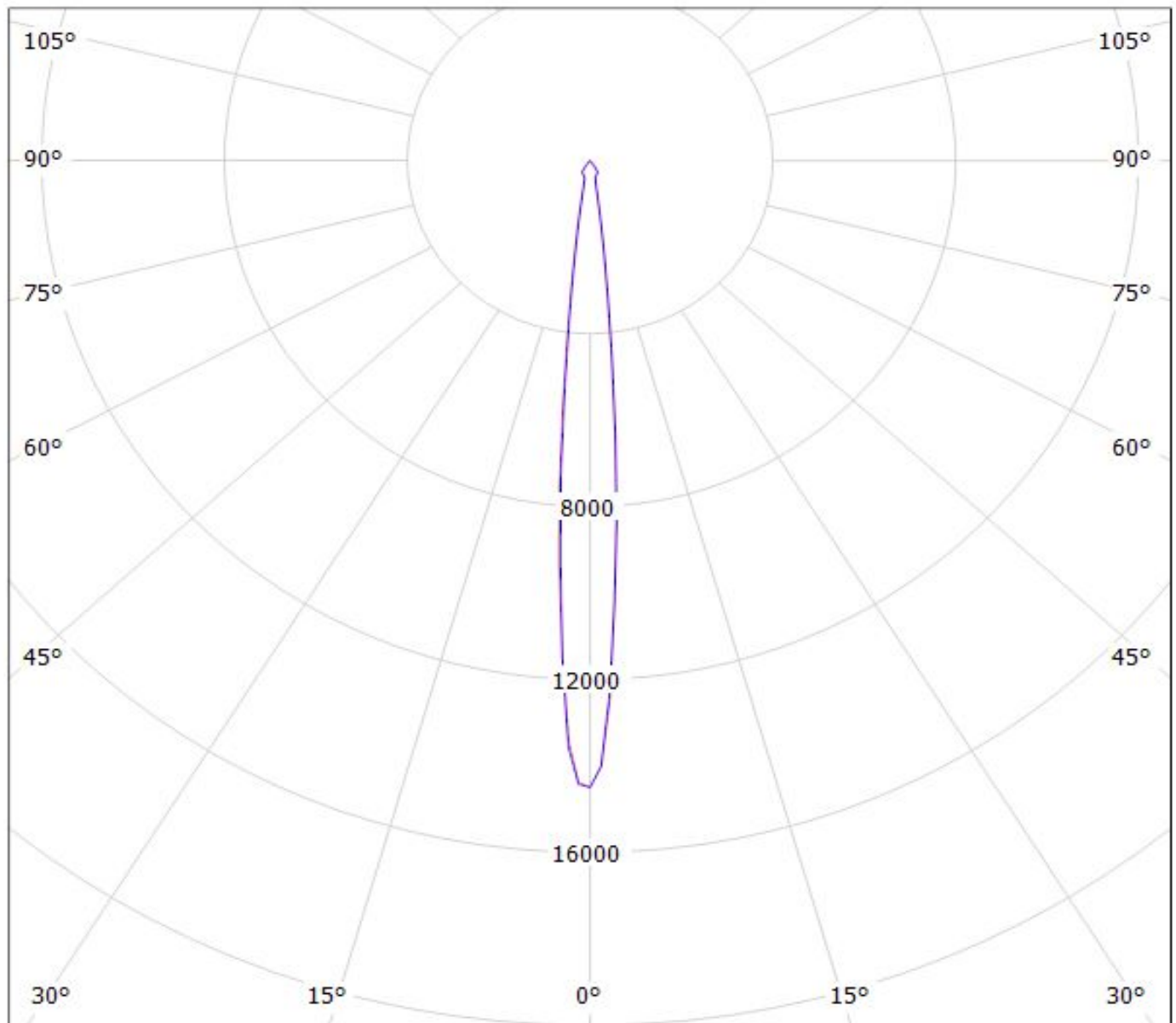
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(Fortimo LED SLM L15 G4)

Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A

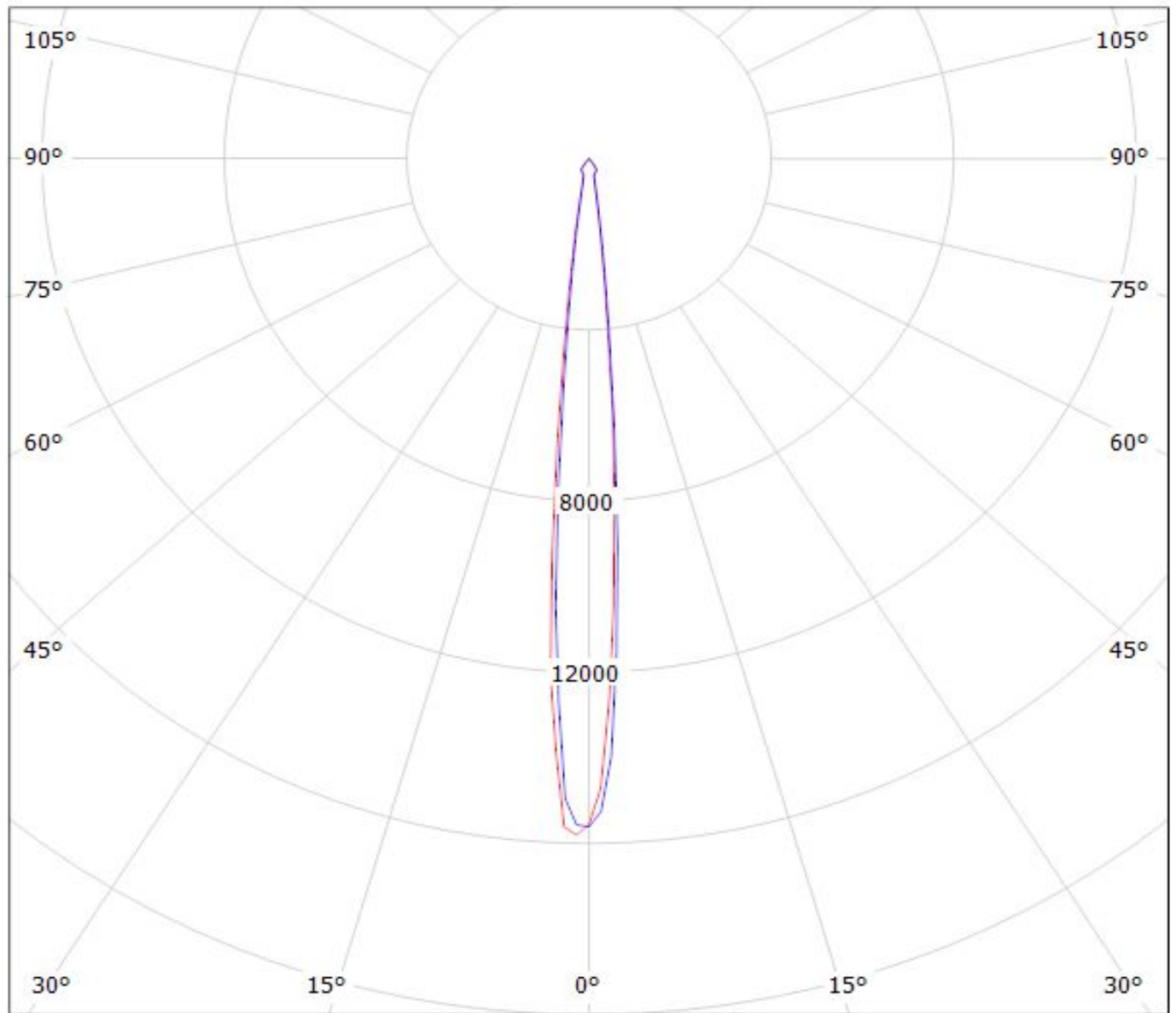


cd/klm

η = 92%

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(COB_1208) Eff.93.7%
Lamps: 1 x Luxeon_COB_1208_1028.07lm@250mA_P=8.23995W_I=249.9mA

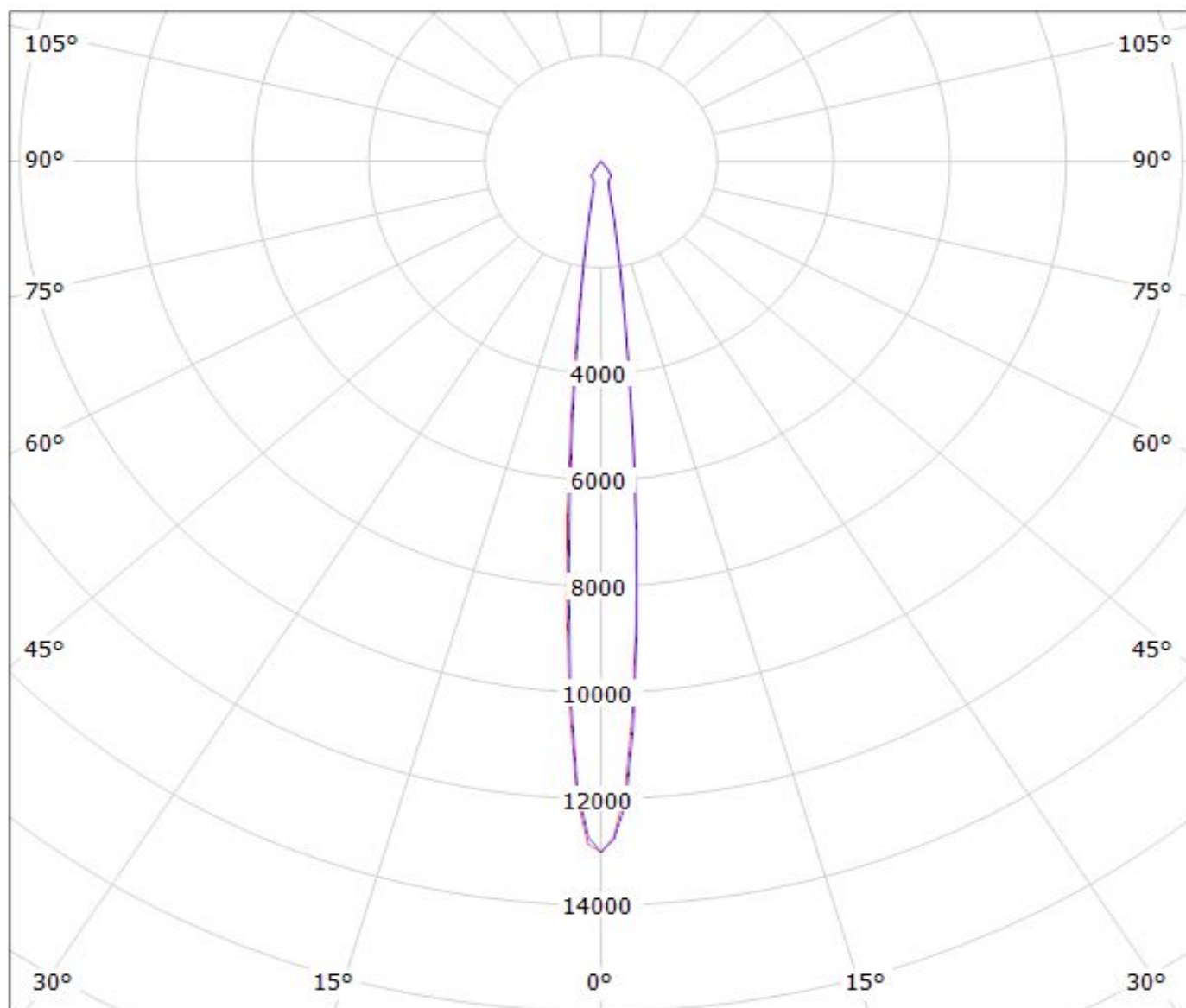


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES19)
Lamps: 1 x Osram_PrevaLED_CORE_Z3_LES19_(PL-CORE-2000-830-Z3)
_1356.73lm@250mA_P=10.5228W_I=249.9mA



cd/klm

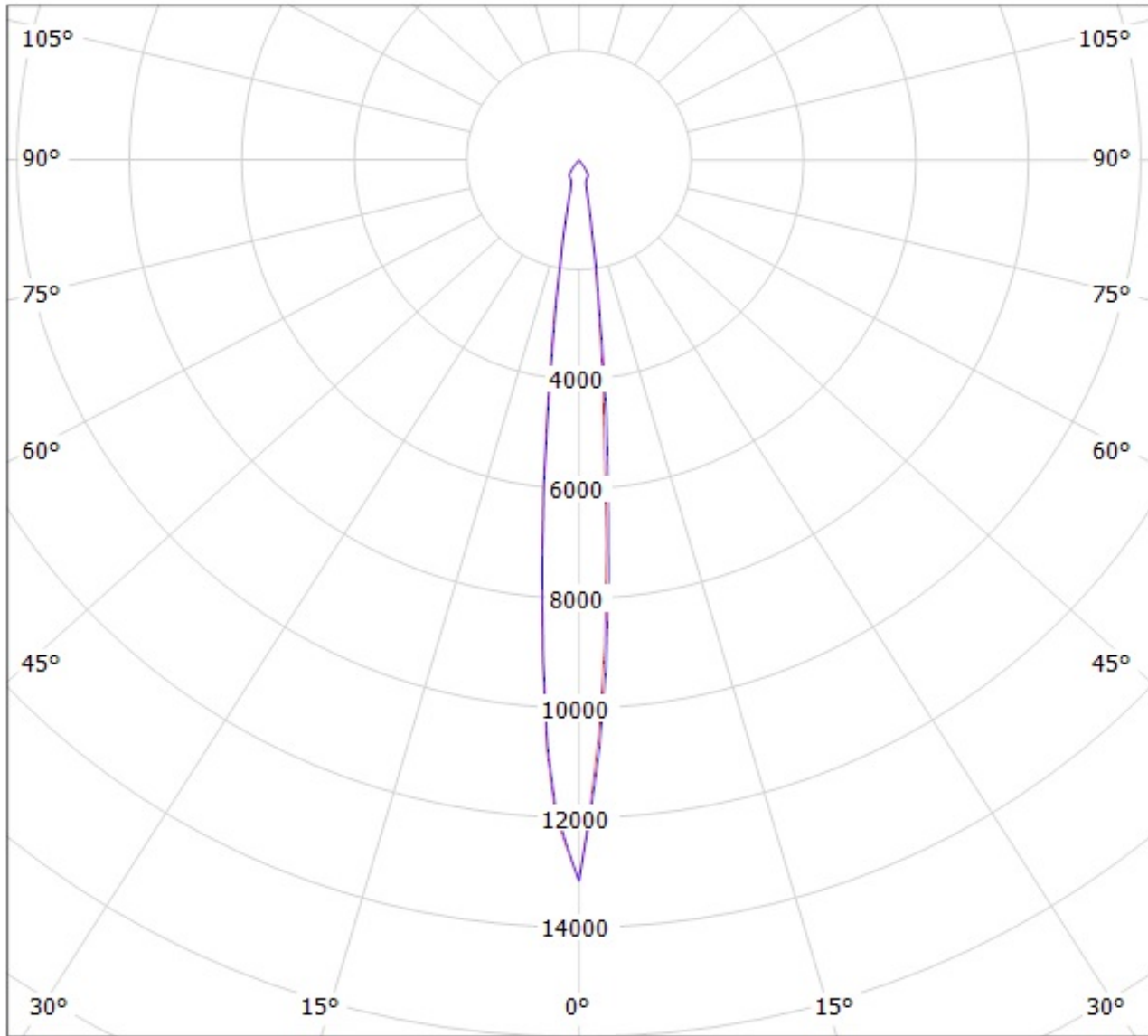
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_Z4)_Eff: 93%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA



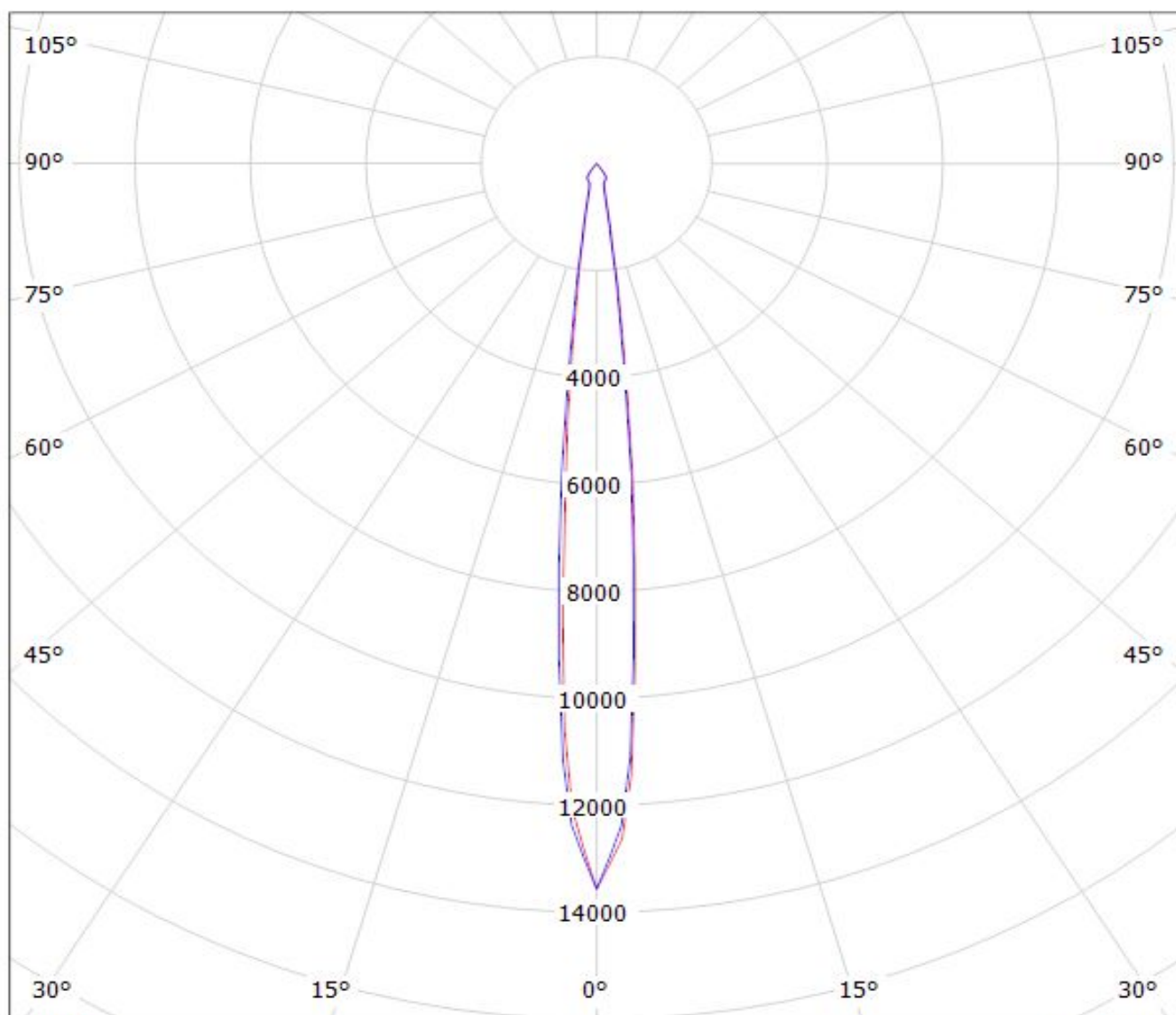
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(SOLERIQ_S19)

Lamps: 1 x Osram_SOLERIQ_S19_1390.09lm@250mA_P=10.5413W_I=249.8mA



cd/klm

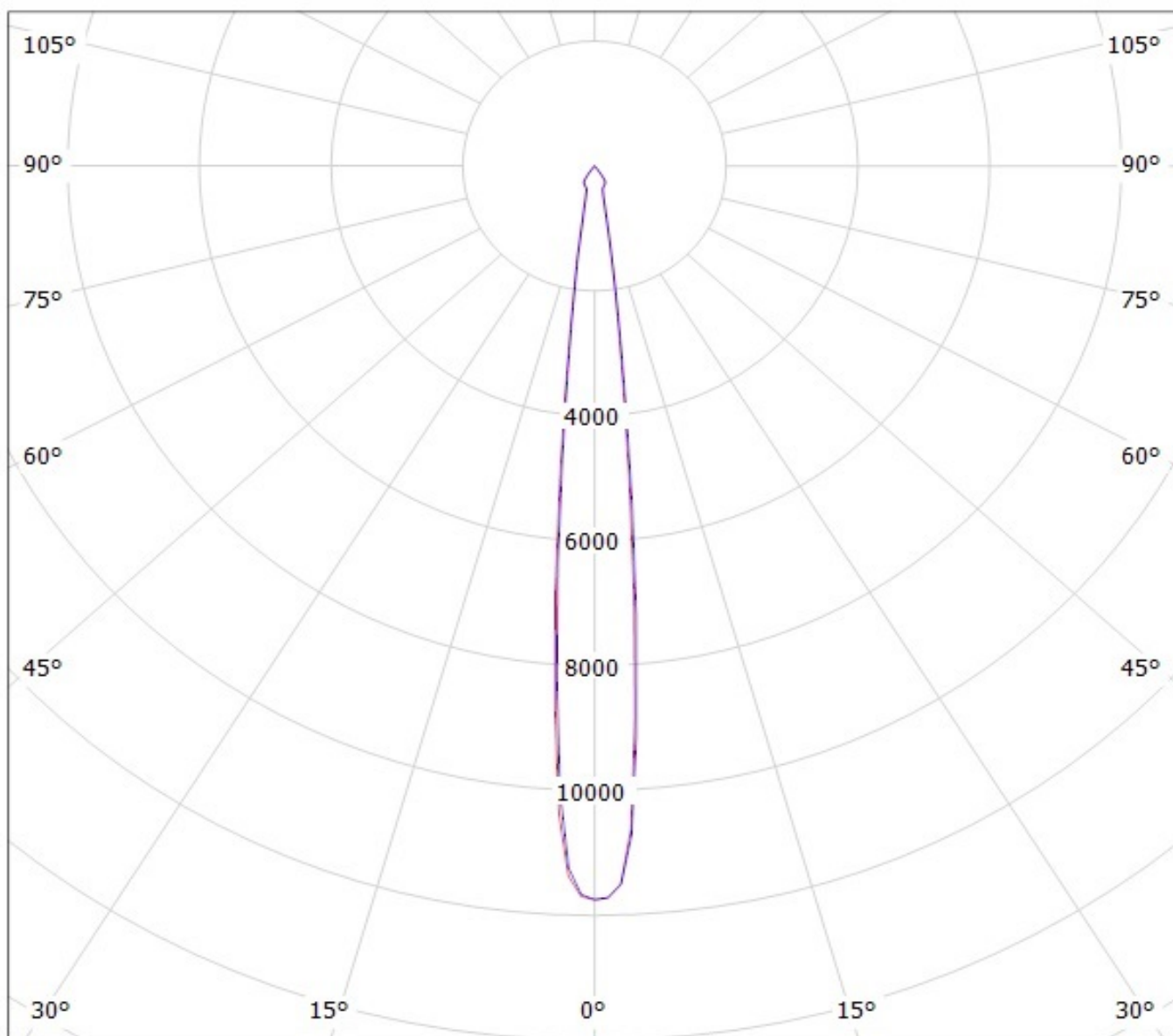
$\eta = 95\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(LC040B)

Lamps: 1 x Samsung_LC040B_(SPHWW1HDNE25010101)_1029.97lm@250mA_P=8.12175W_I=249.9mA

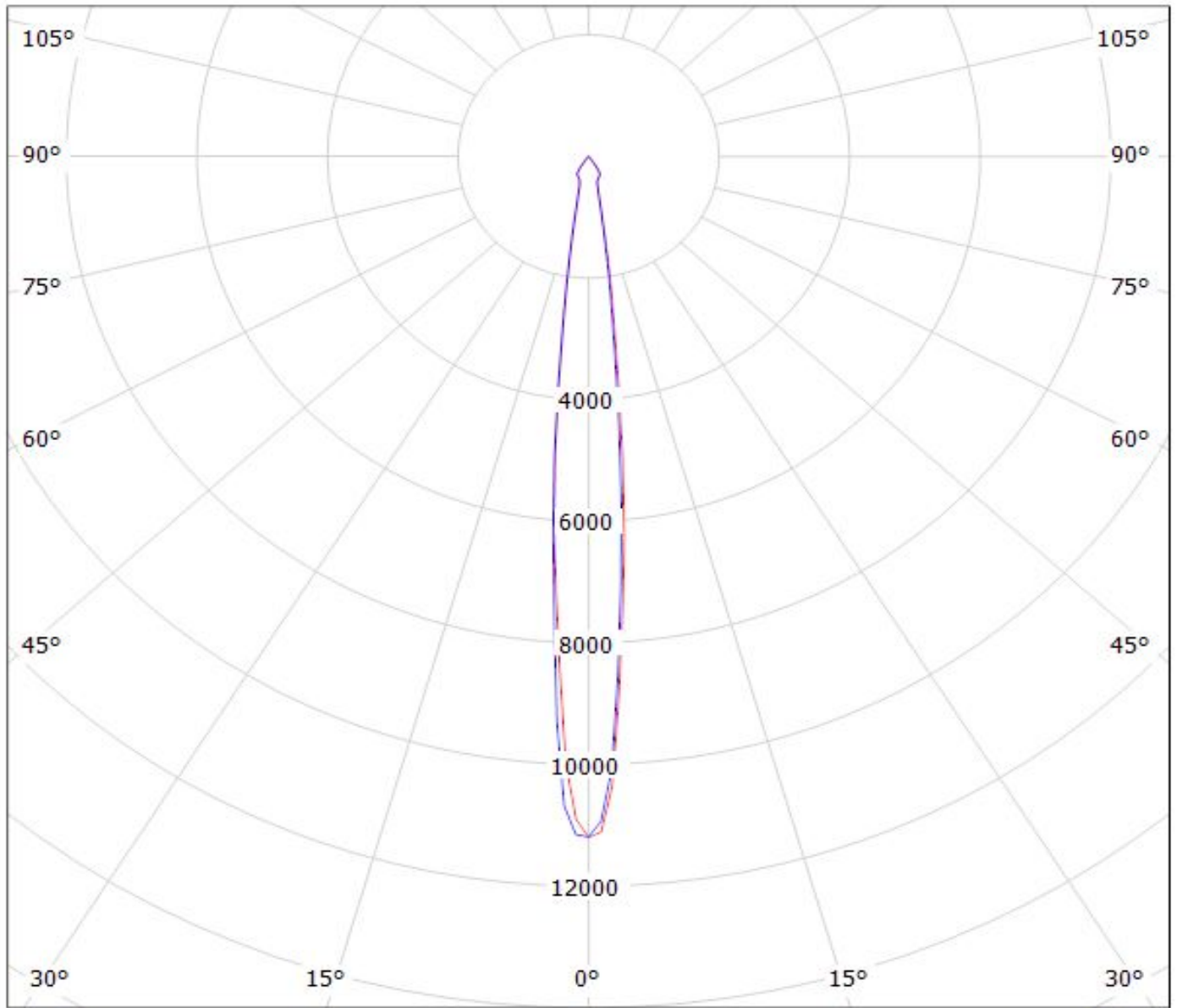


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(LEP-2000-827-C-AC) Eff.91.7%
Lamps: 1 x Osram_PrevaLED_Core-AC_(LEP-2000-827-C-AC)_1967.74lm@120mA_P=27.2W_I=120mA

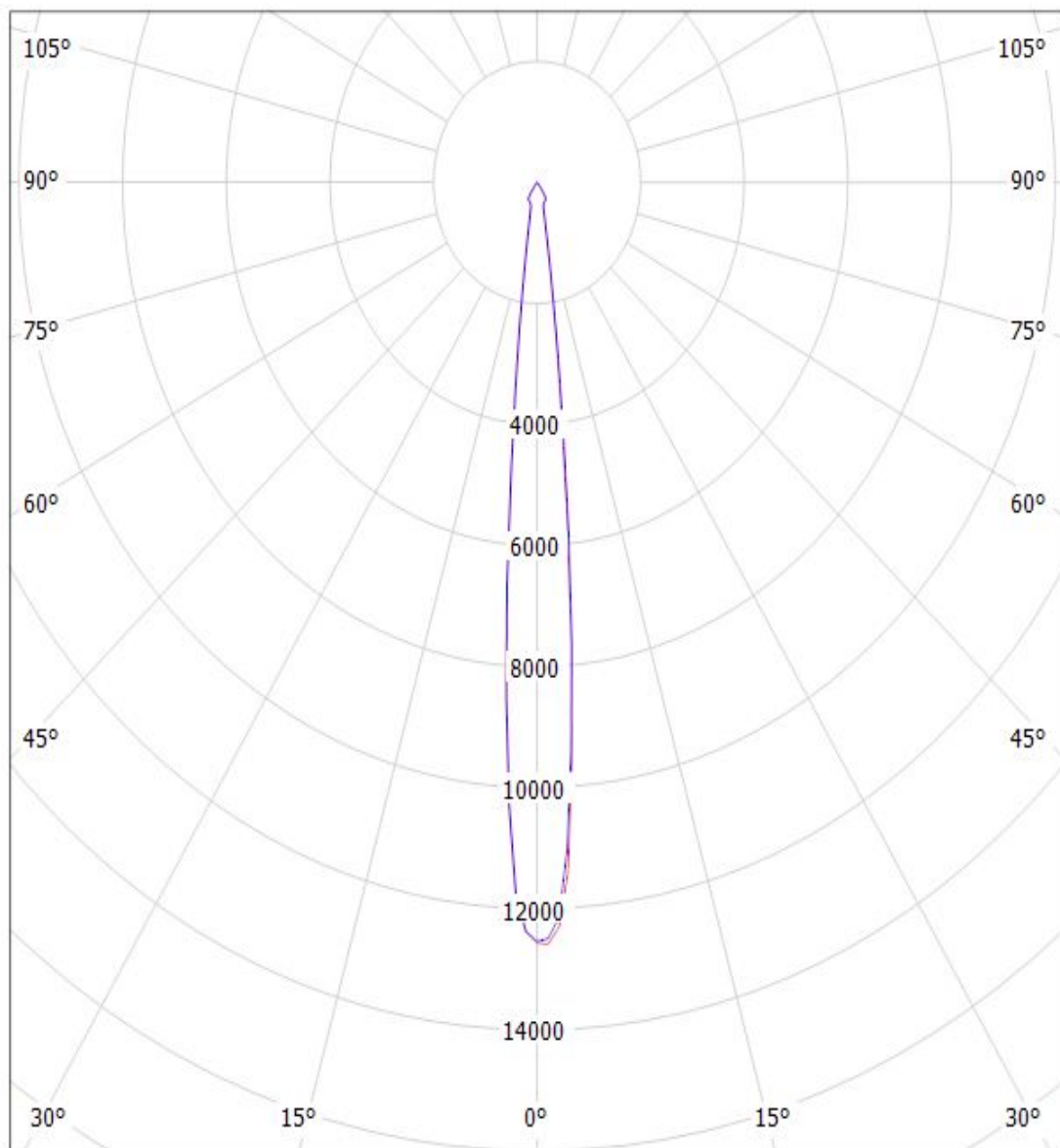


cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(STARK_LES19)

Lamps: 1 x Tridonic_STARK_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1050.59lm@250mA_P=8.3639W_I=249.9mA



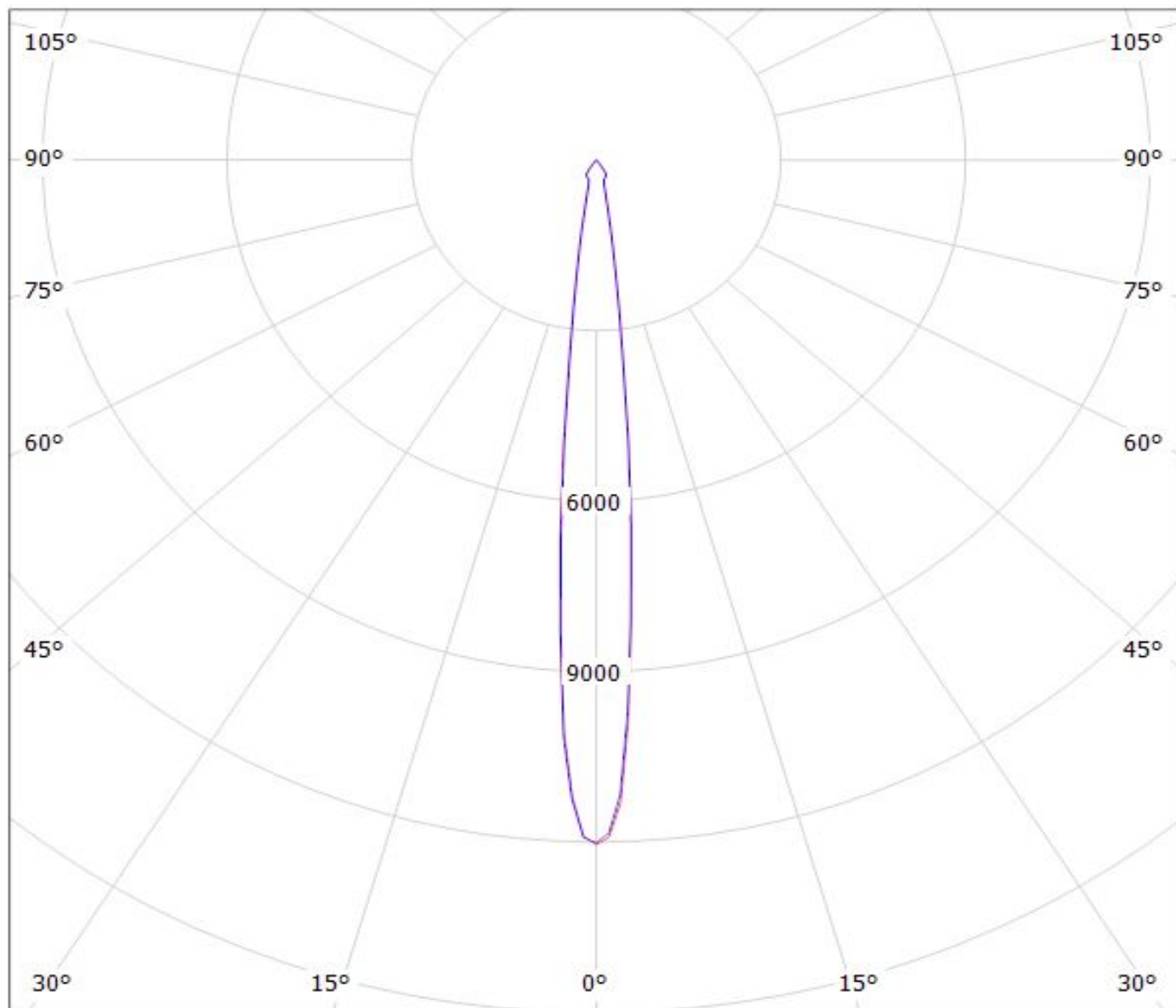
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(SLE GEN4 LES19)

Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_I=0.2498A



cd/klm

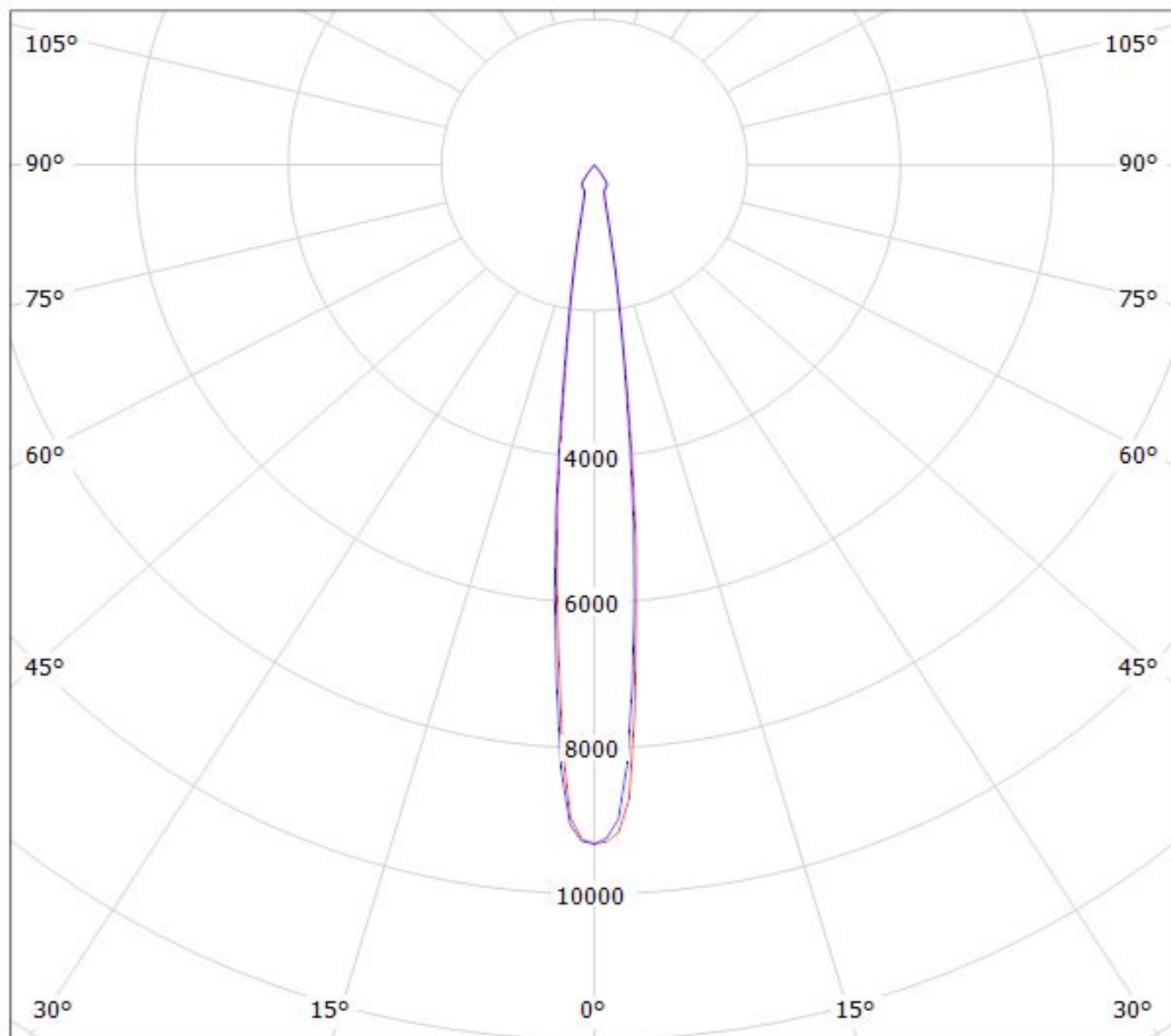
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13379_ANGELA-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

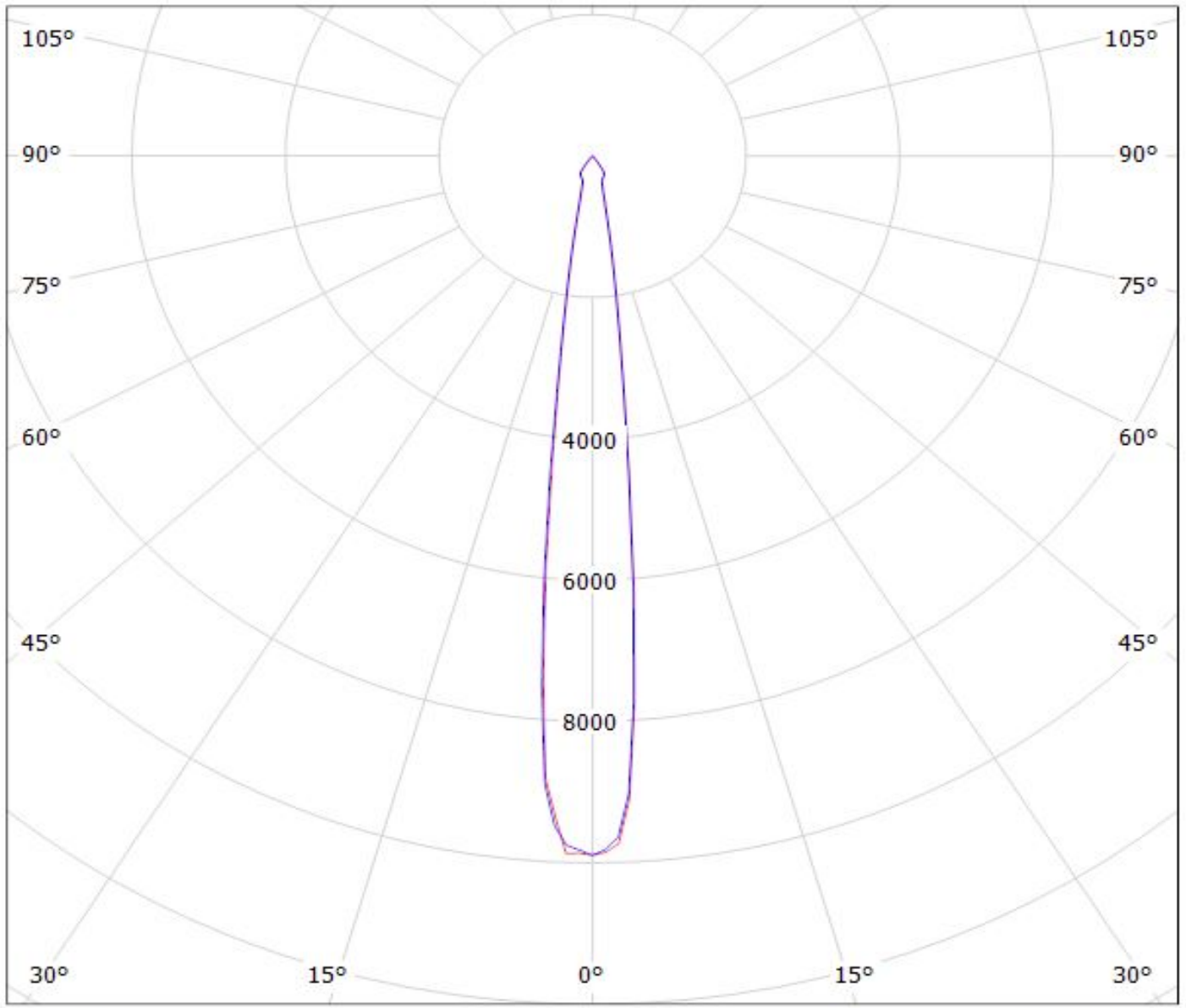
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-464)

Lamps: 1 x Vossloh_WU-M-464_1454.63lm@250mA_P=11.7114W_I=249.8mA

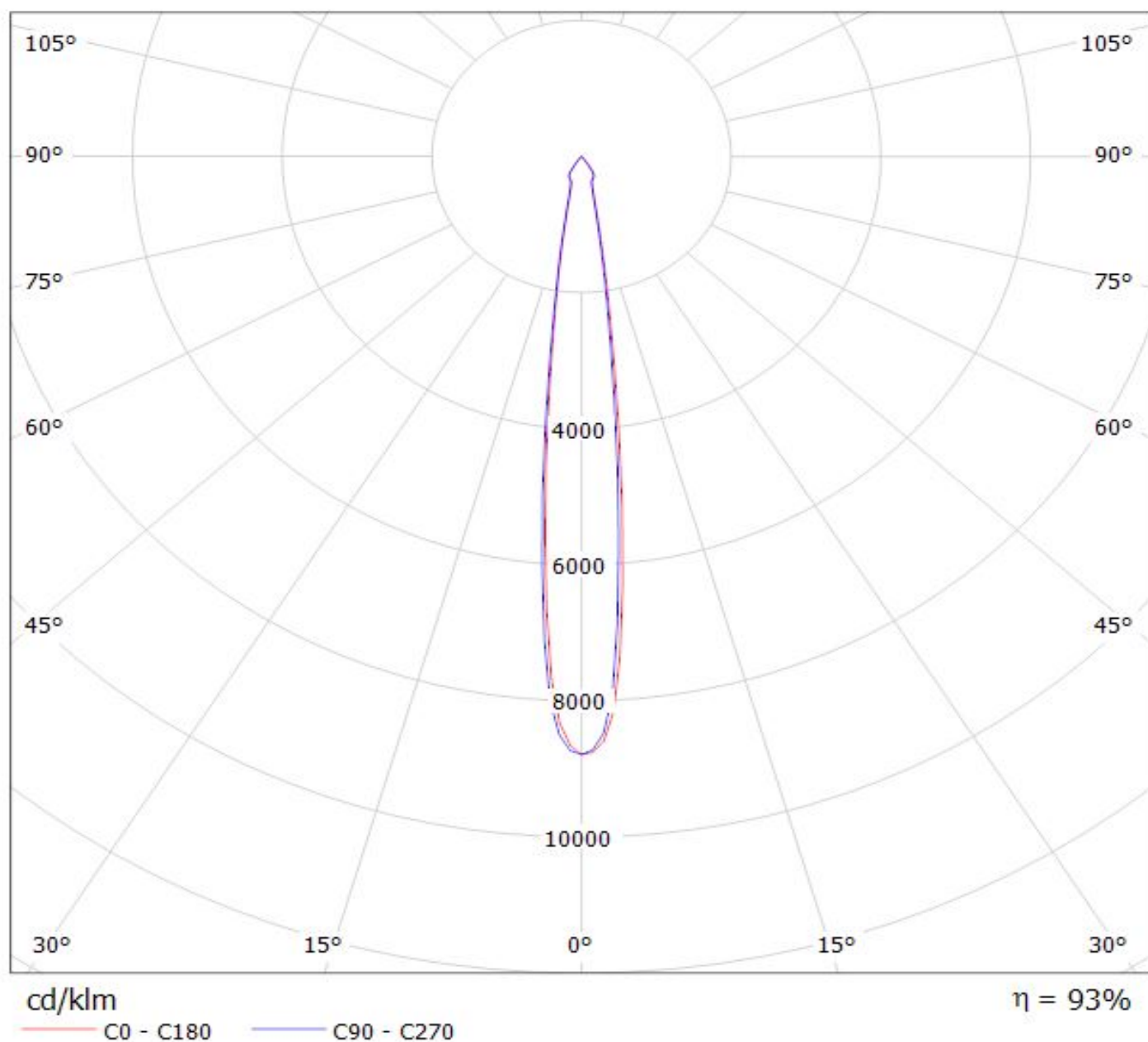


cd/klm

$\eta = 92\%$

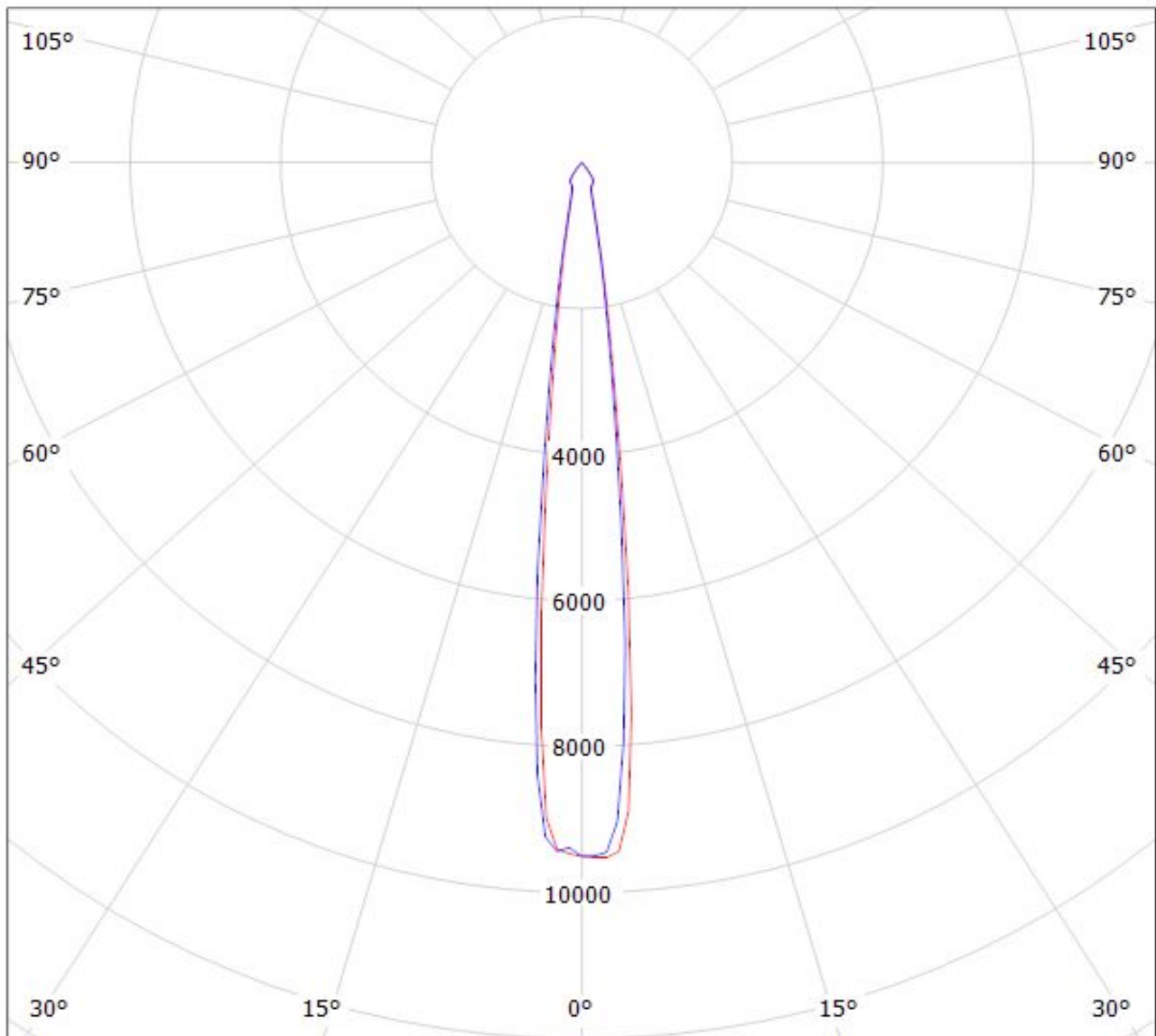
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(PrevaLED_LES23)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES23_(PL-CORE-5000-930-Z3)
_1130.05lm@250mA_P=10.0097W_I=249.9mA



Luminaire: LEDiL Oy F13379_ANGELA-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

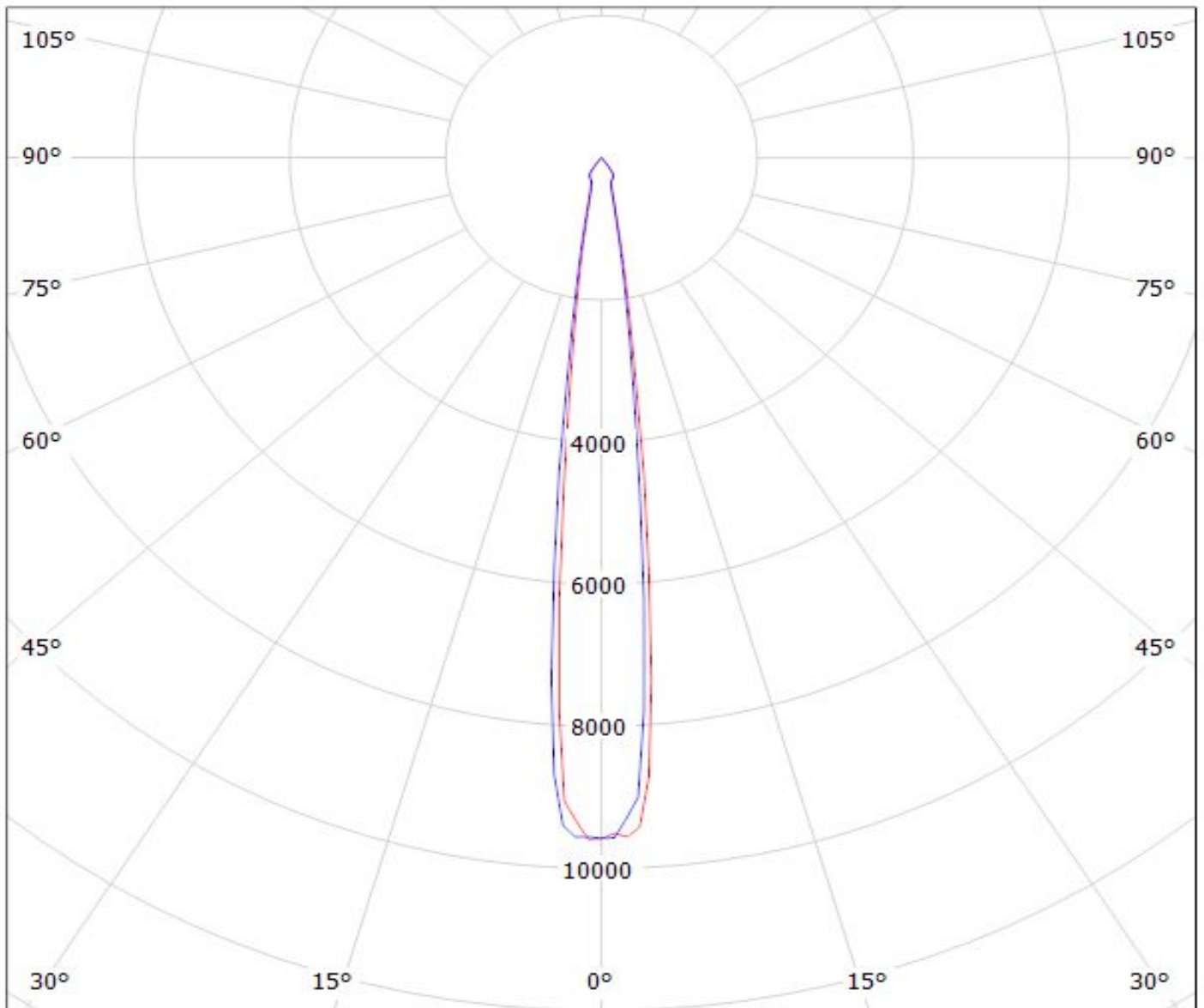


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-486) Eff.92.6%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



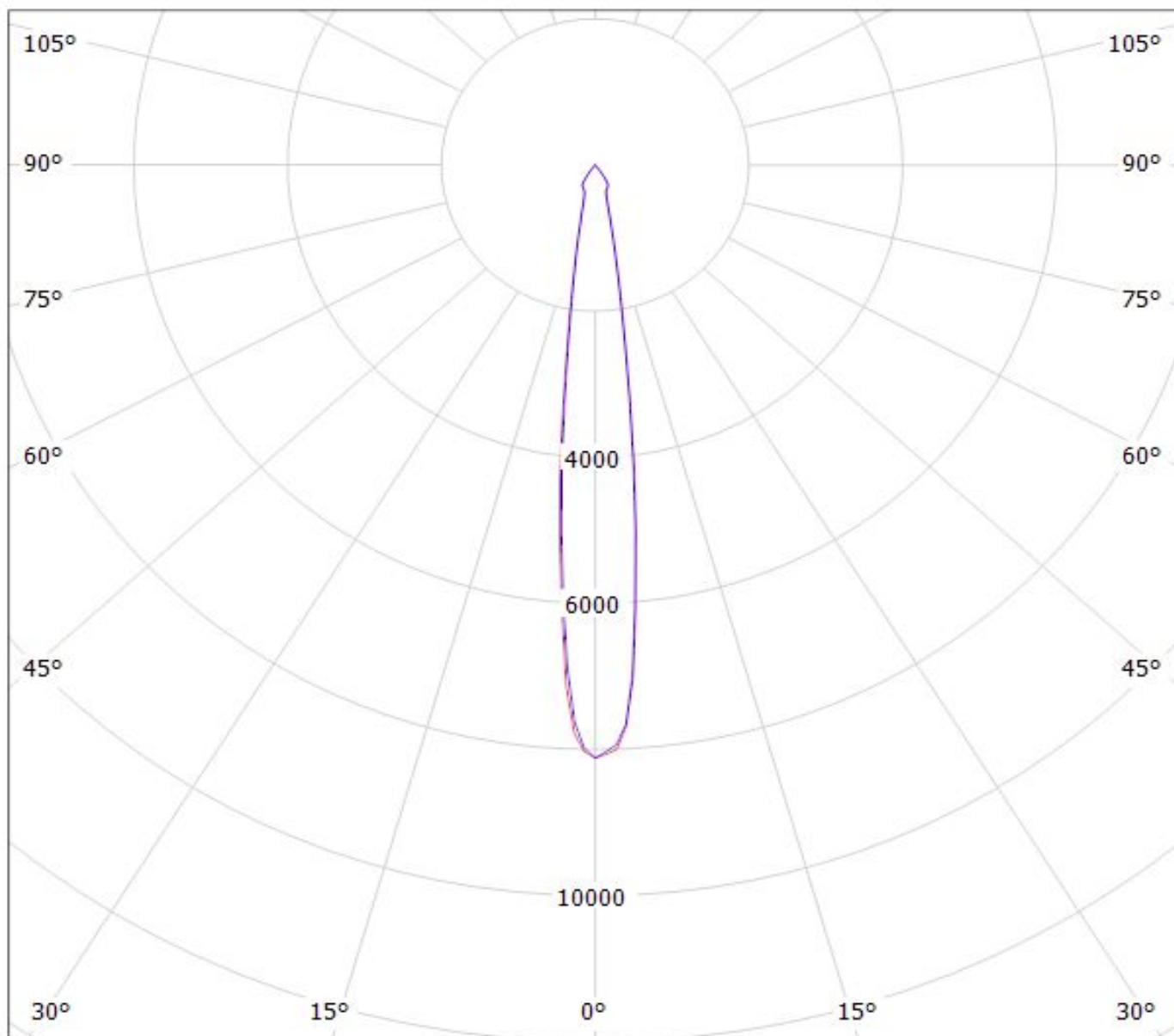
cd/klm

$\eta = 92\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13379_ANGELA-S_(SLE_G4_LES23)

Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A



cd/klm

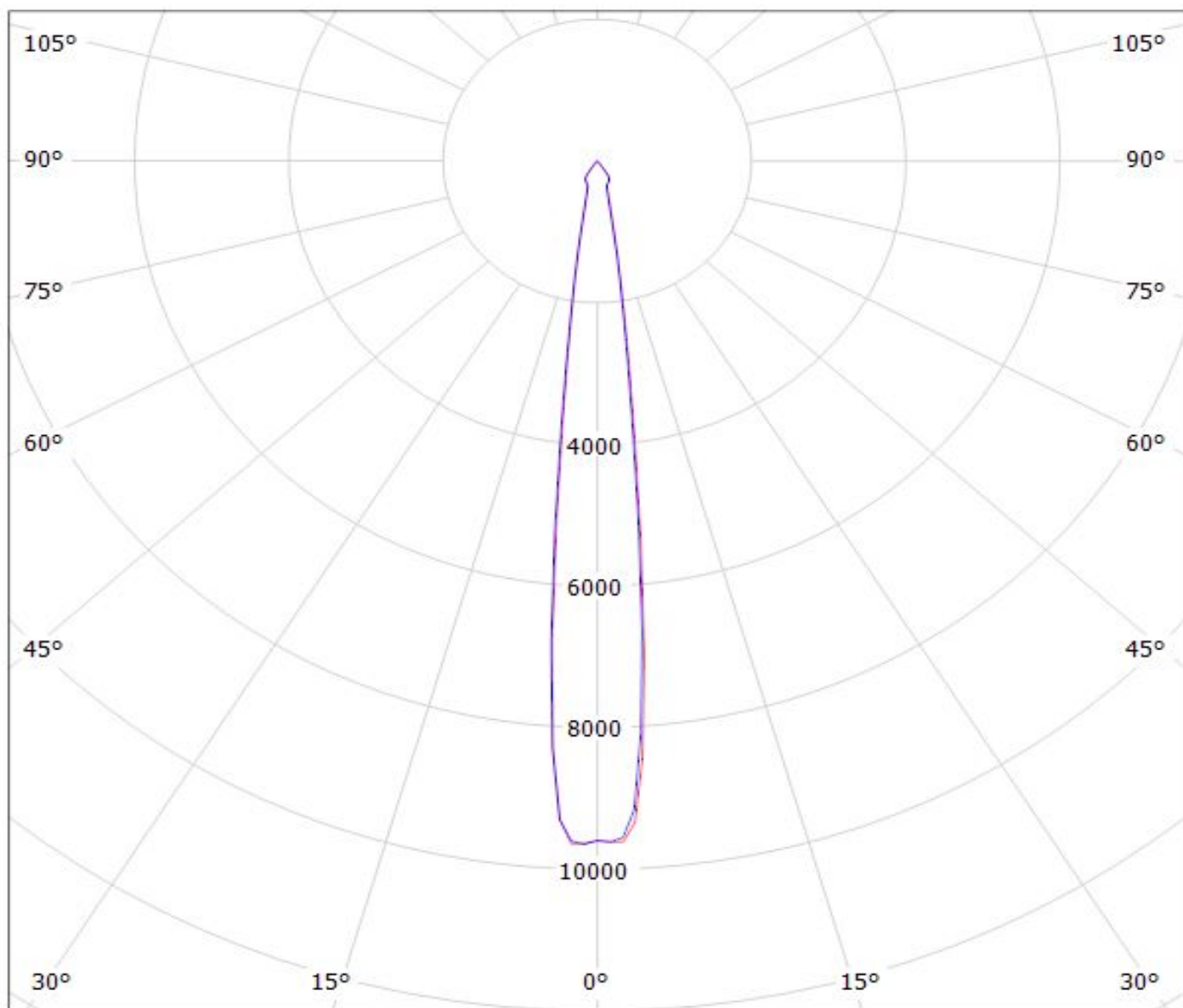
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(WU-M-462)

Lamps: 1 x Vossloh_WU-M-462_1123.47lm@250mA_P=9.01639W_I=249.9mA



cd/klm

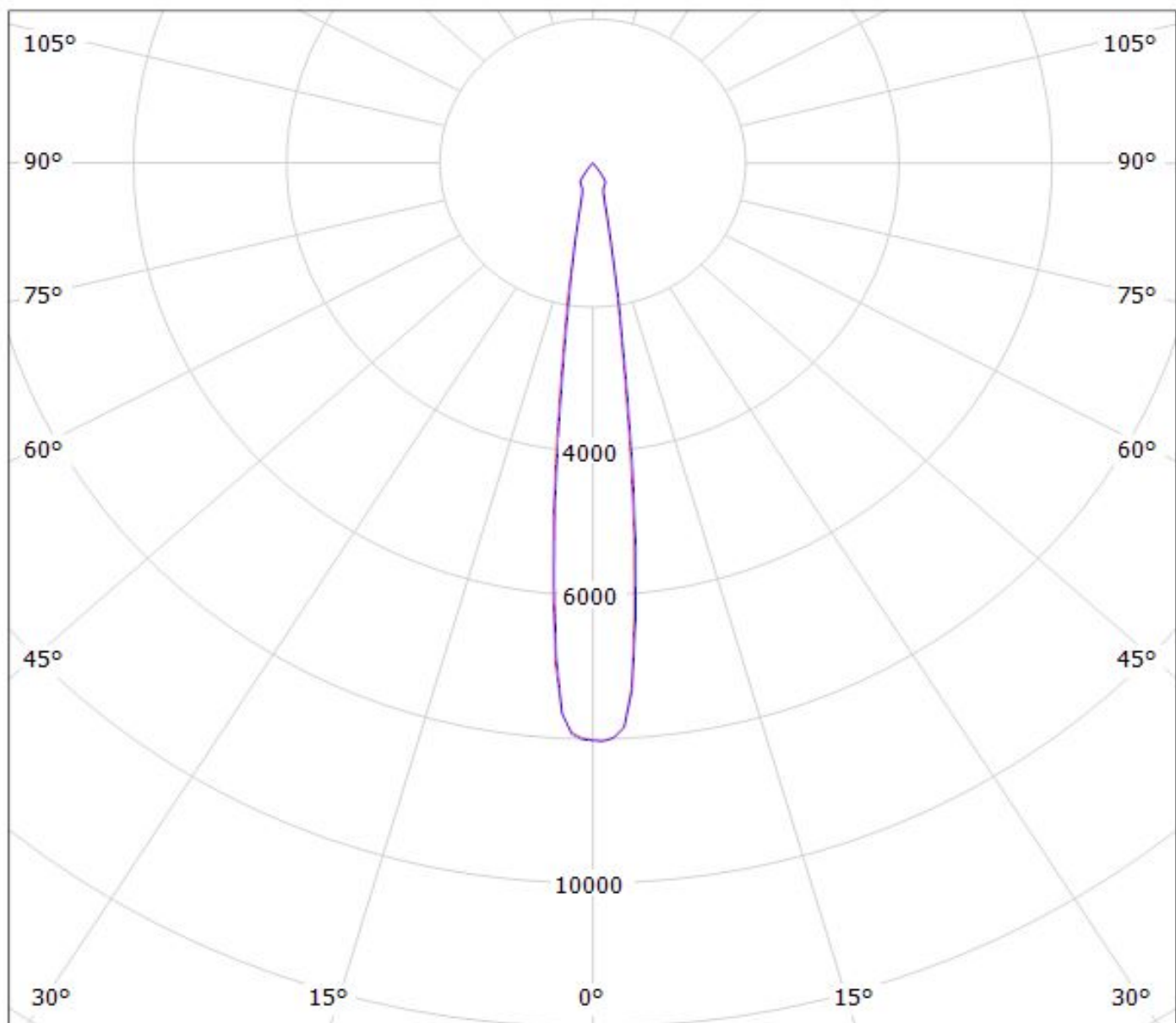
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13379_ANGELA-S_(STARK_LES23) Eff.92.7%

Lamps: 1 x Tridonic_STARK_SLE_G3_LES23_795.318lm@250mA_P=8.22646W_I=249.9mA



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.