

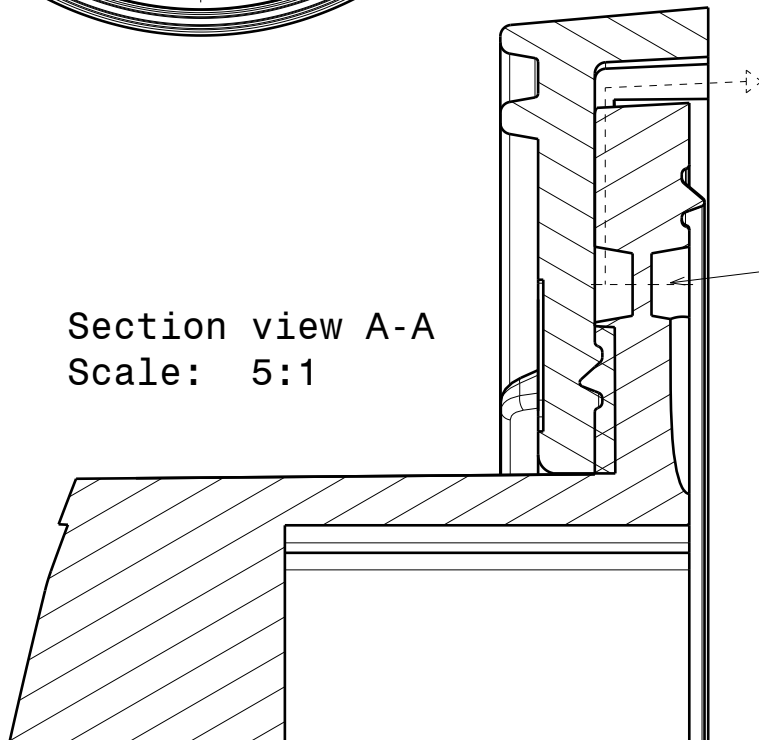
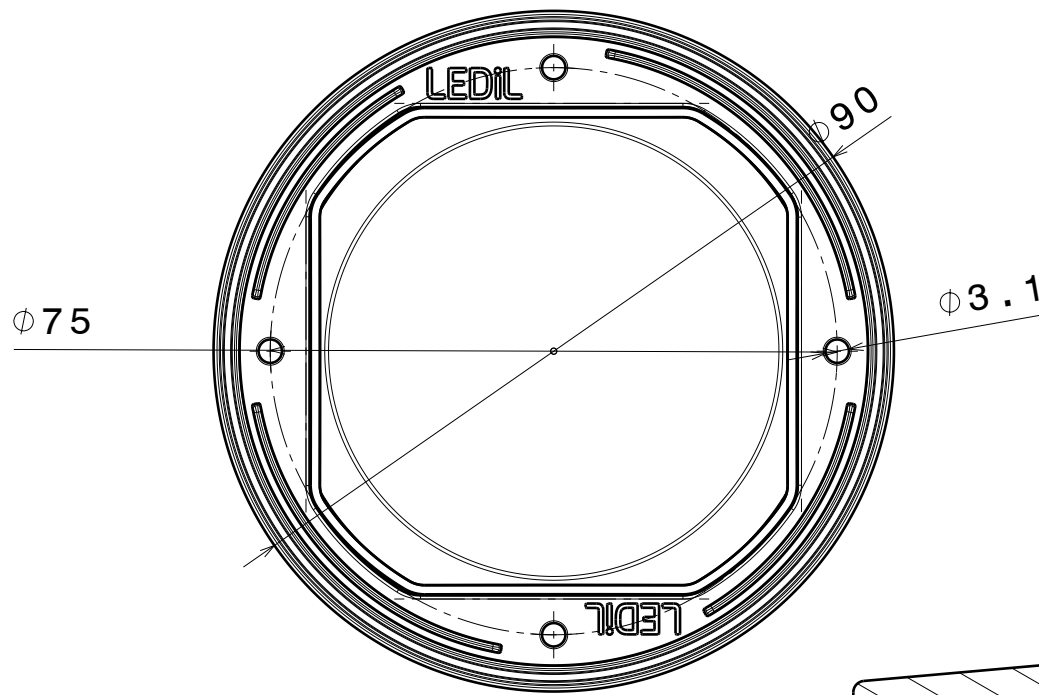
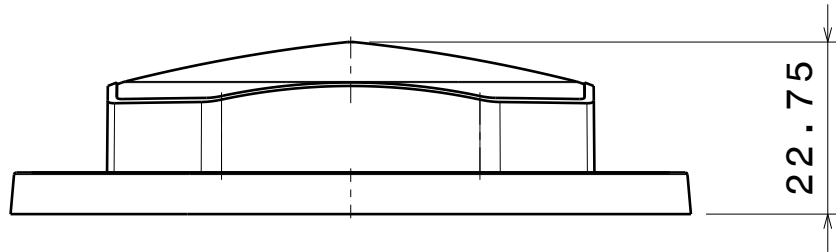
DETAILS

Product Number	FN14720_STELLA-FRESNEL
Family	STELLA
Type	Lens
Color	black
Diameter	90 mm
Height	23 mm
Style	round
Optic Material	Silicone
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	5/04/2016

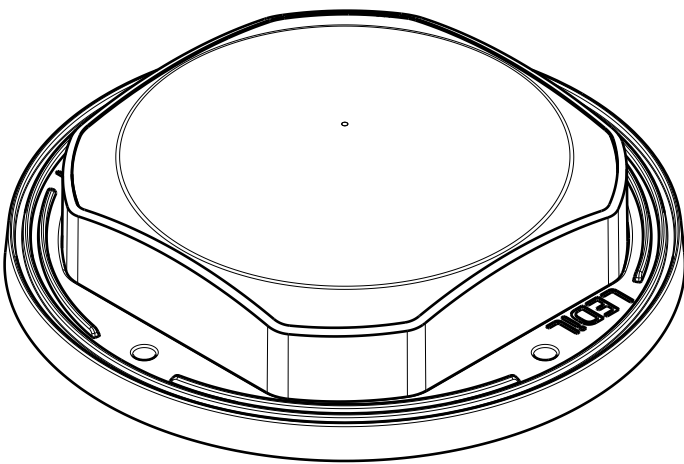


OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		
	Angle	Beam	ciency	cd/lm	Connector
CXA/B 3590	sim: 37	Streetligh...	sim: 83 %	sim: 1.100	-
CXA/B 25xx	sim: 24	Streetligh...	sim: 83 %	sim: 2.500	-
LUXEON CoB 1208	sim: 23	Streetligh...	sim: 82 %	sim: 2.800	-
Solieri P13	25 deg	Streetligh...	89 %	1.900	-
SLE G5 LES19	30 deg	Streetligh...	86 %	1.360	-
Solieri S19	32,1 deg	Streetligh...	84 %	1.219	-
SLE G5 LES23	35 deg	Streetligh...	86 %	1.050	-
CLL04x/CLU04x	36 deg	Streetligh...	86 %	1.100	-
CXA/B 30xx	37 deg	Streetligh...	88 %	1.000	BJB: 47.319.2151
CXM-22	38 deg	Streetligh...	86 %	0.930	Bender Wirth: 431 Typ L3
LUXEON CoB 1216	39 deg	Streetligh...	86 %	0.930	-
VERO29	48 deg	Streetligh...	87 %	0.680	-



Venting pipe:
Piercing this membrane
will Allow lens breathing



Isometric view
Scale: 1:1

Section view A-A
Scale: 5:1

NOTE: Maximum recommended tightening
torque for STELLA-FRAME is 0,4Nm

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14627	STELLA-FRESNEL	Optical grade LSR	
	C13322	STELLA-FRAME	PA	black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: class V
Please note that due to the elasticity of
products made of silicone actual measured
values may vary, and therefore typical
tolerance values may not be applied.

THIRD ANGLE PROJECTION:

This drawing is the property
of LEDiL Oy. It may not be
reproduced, copied or
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agreement with LEDiL Oy.

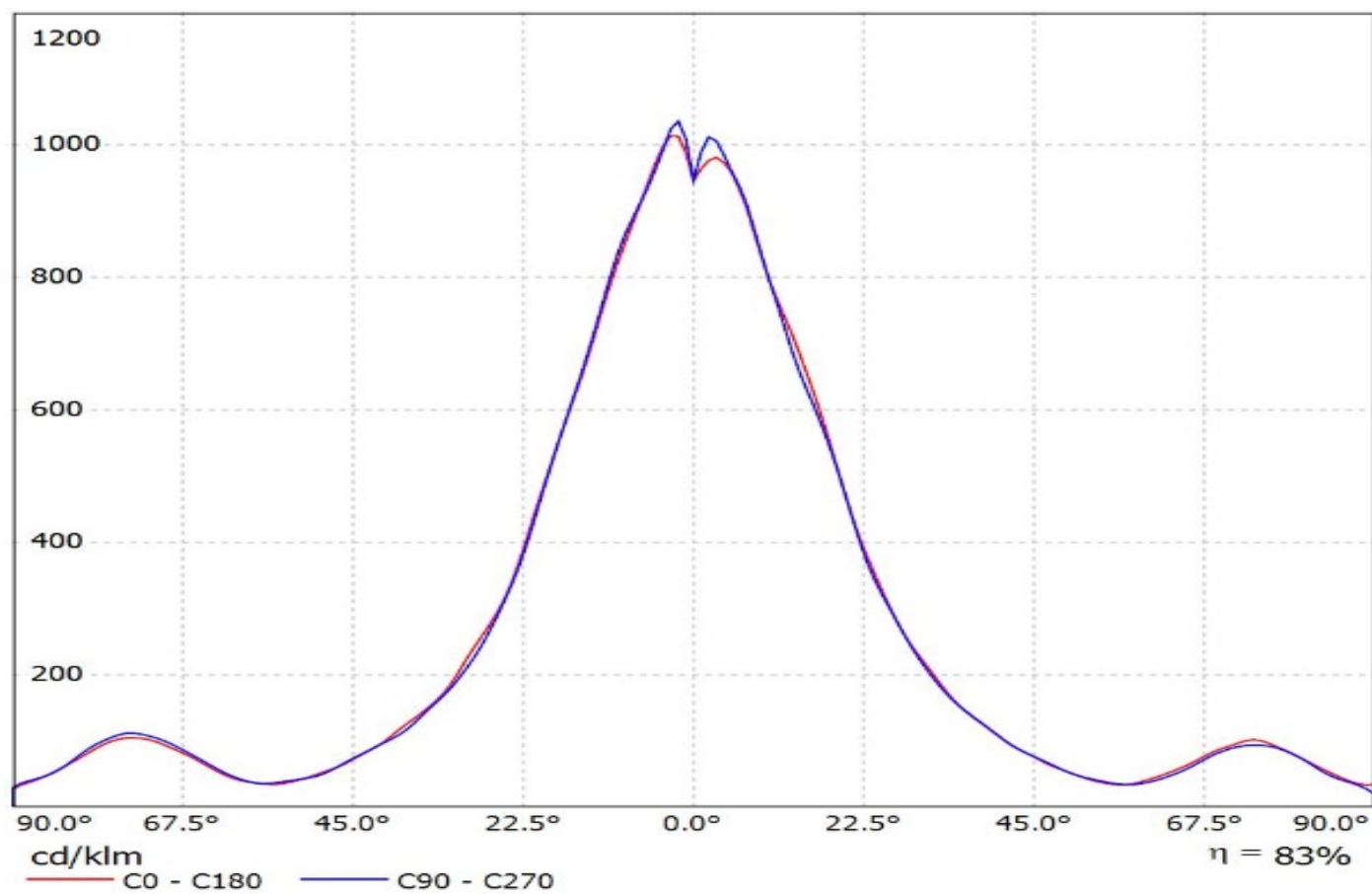
LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FN14720_STELLA-FRESNEL

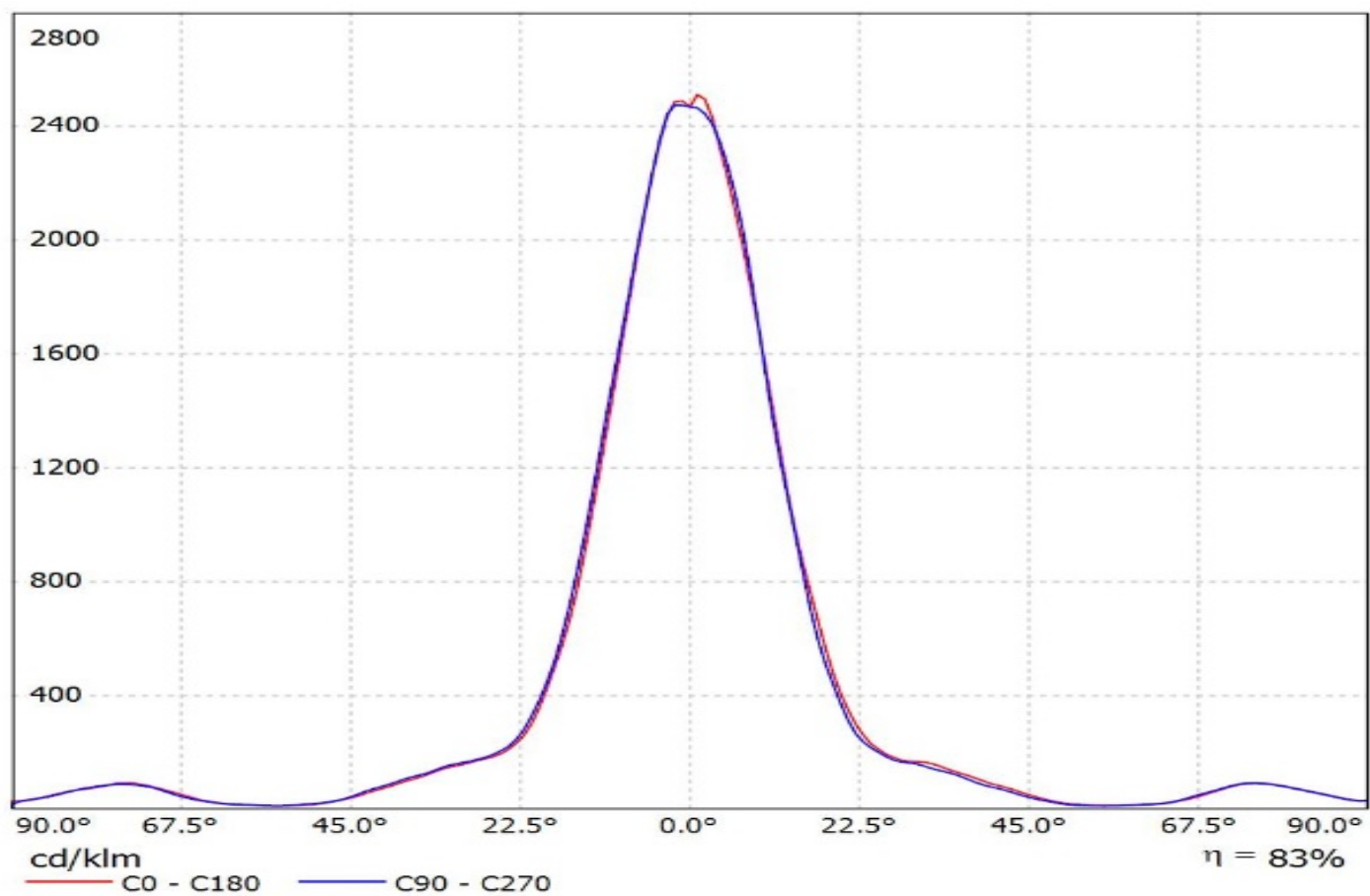
SIZE	PART NUMBER
A3	FN14720

SCALE	1:1	WEIGHT	34,65 g	SHEET	1/1
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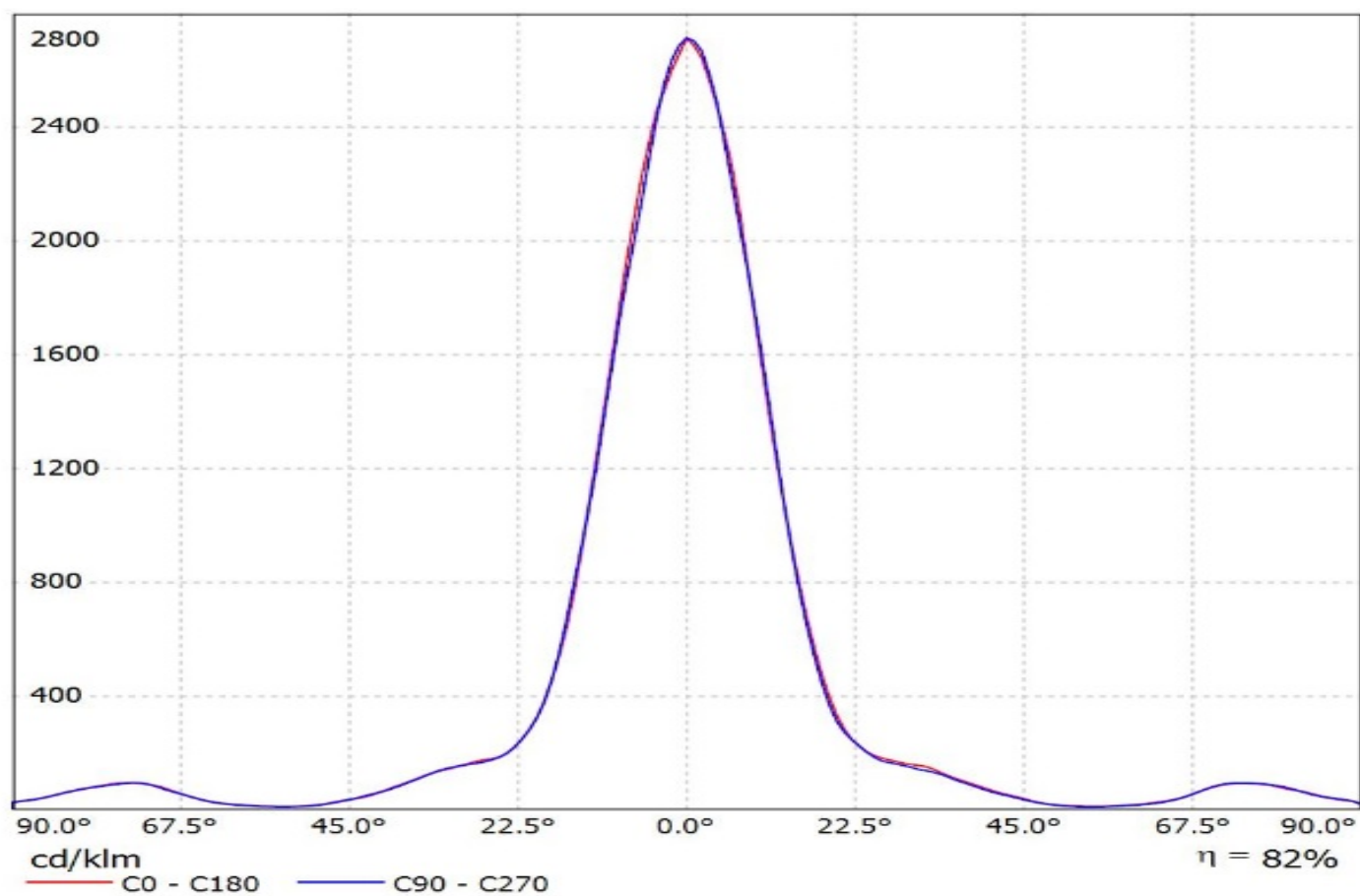
Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(CXA3590)_SIMULATED
Lamps: 1 x Cree CXA3590



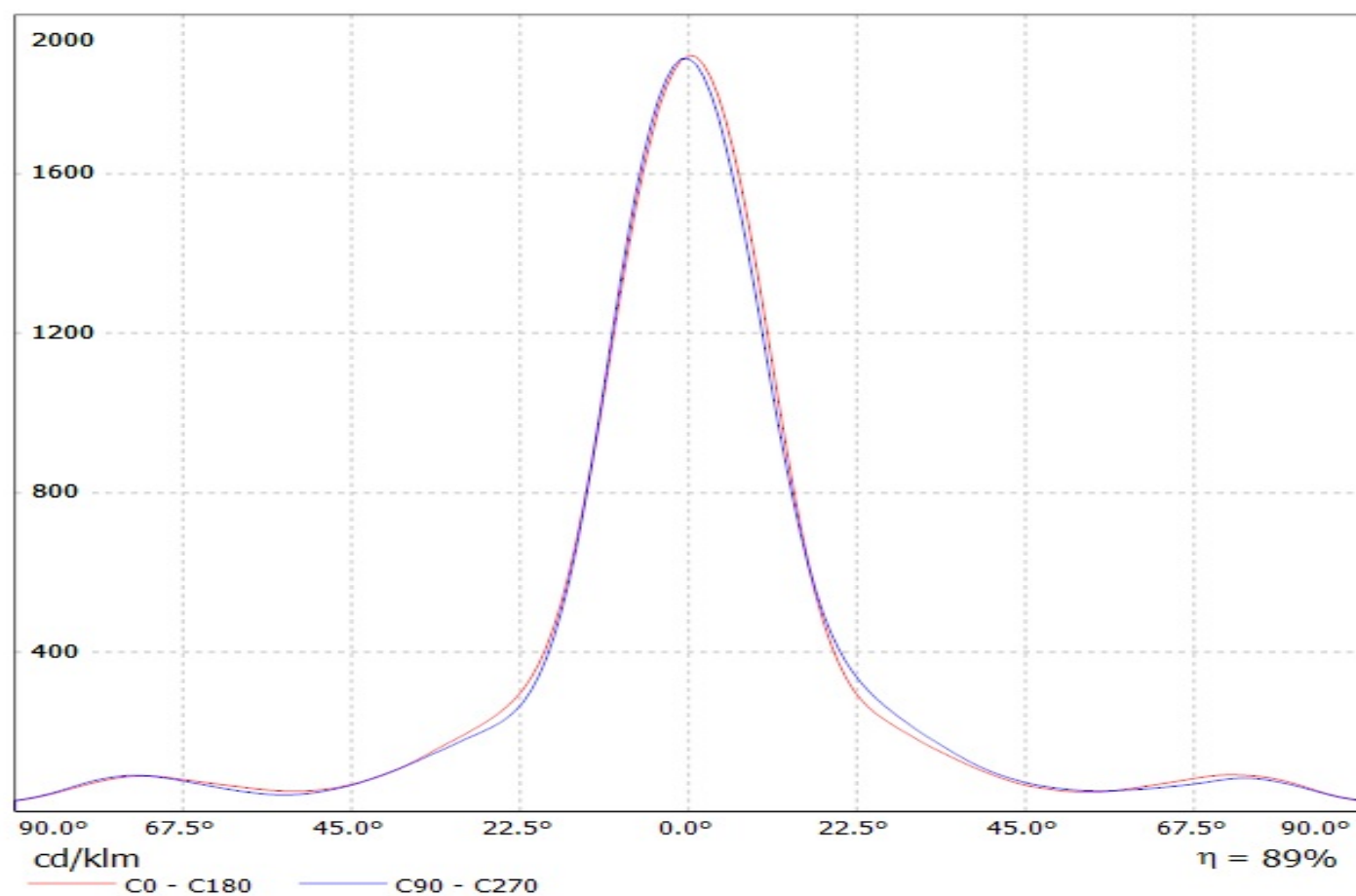
Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(CXA2590)_SIMULATED
Lamps: 1 x Cree CXA2590



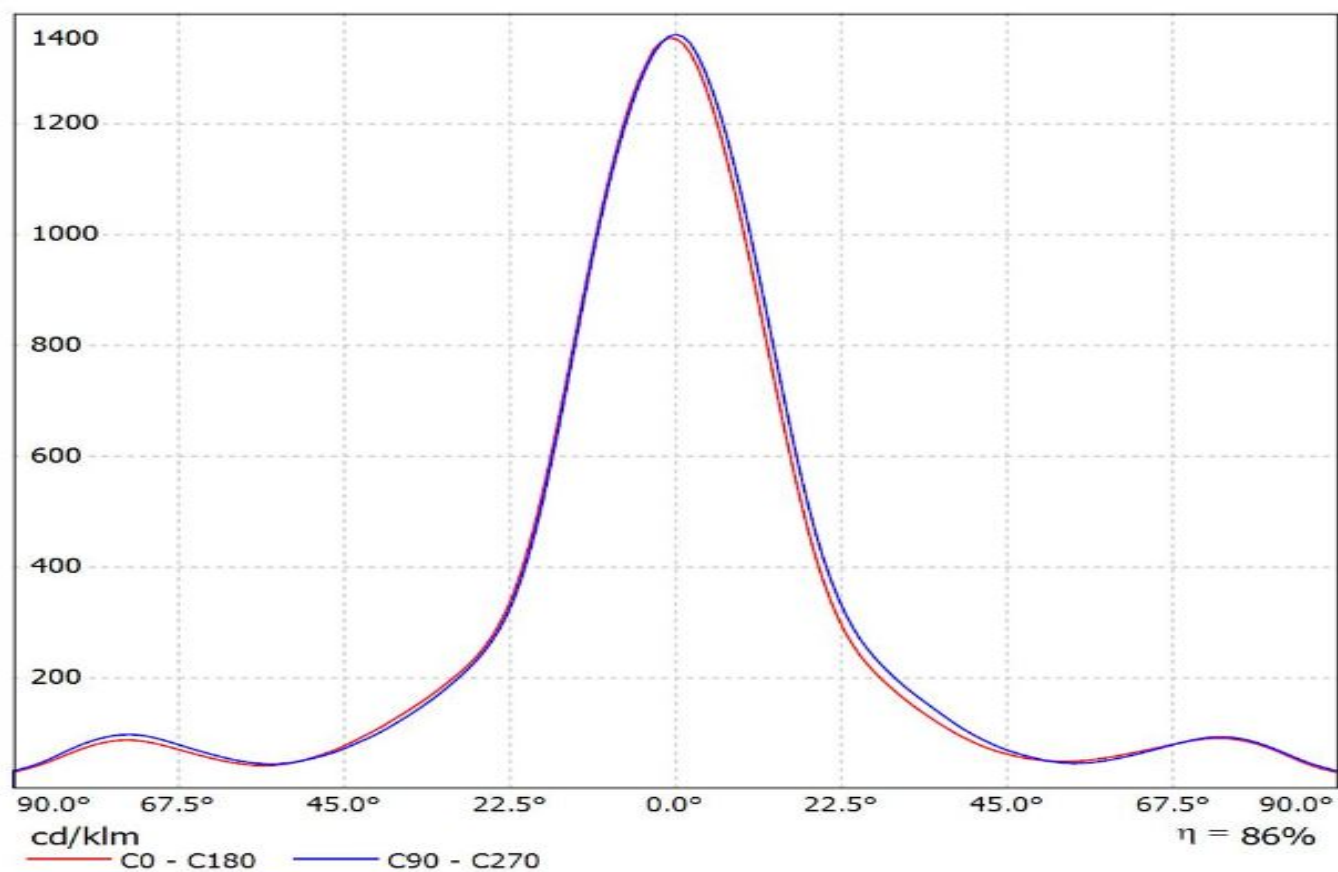
Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(Luxeon_CoB_1208)_SIMULATED
Lamps: 1 x Lumileds Luxeon CoB 1208



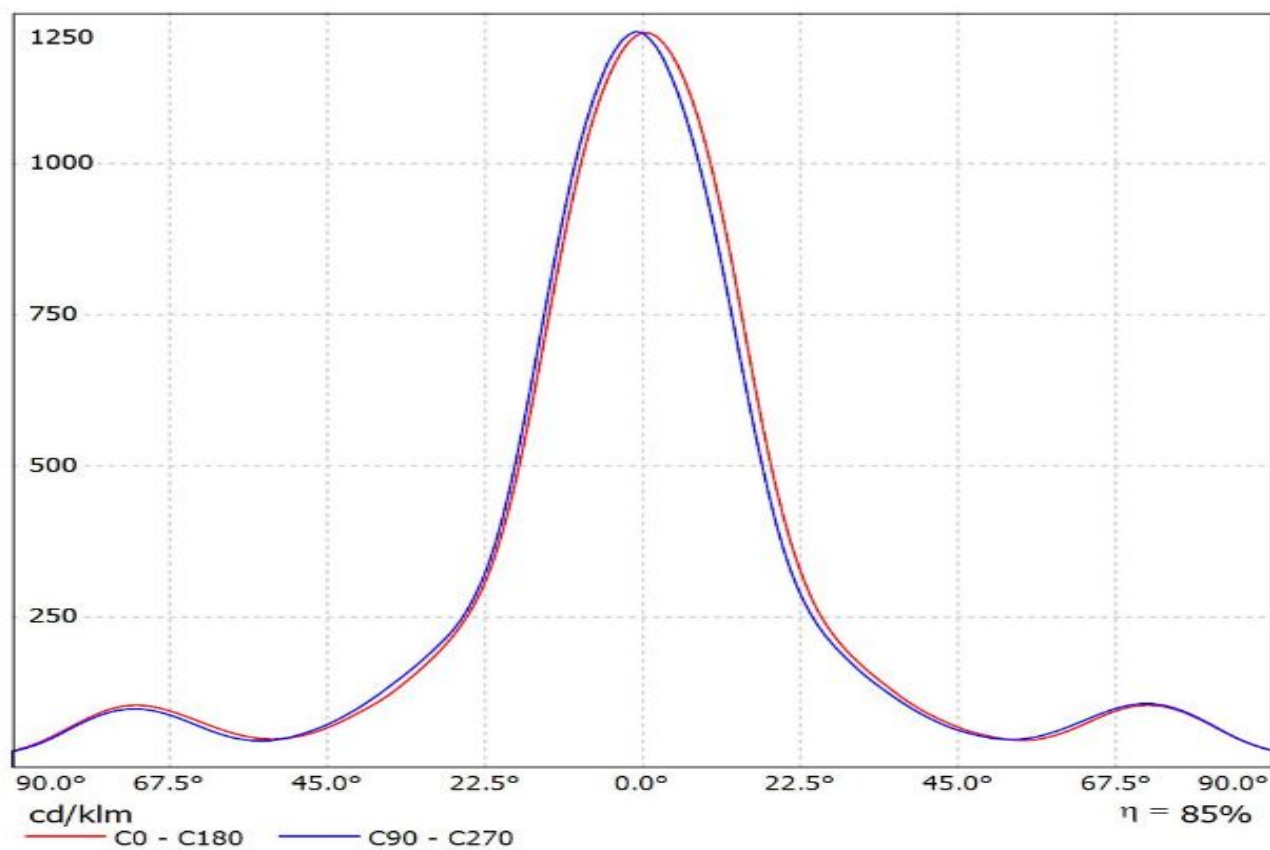
Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(Soleriq_P13)_Cav1
Lamps: 1 x Osram_Soleriq_P13_(GQ_MAGMB1.EM)_922.464lm@250mA_P=8.69804W_I=0.2498A



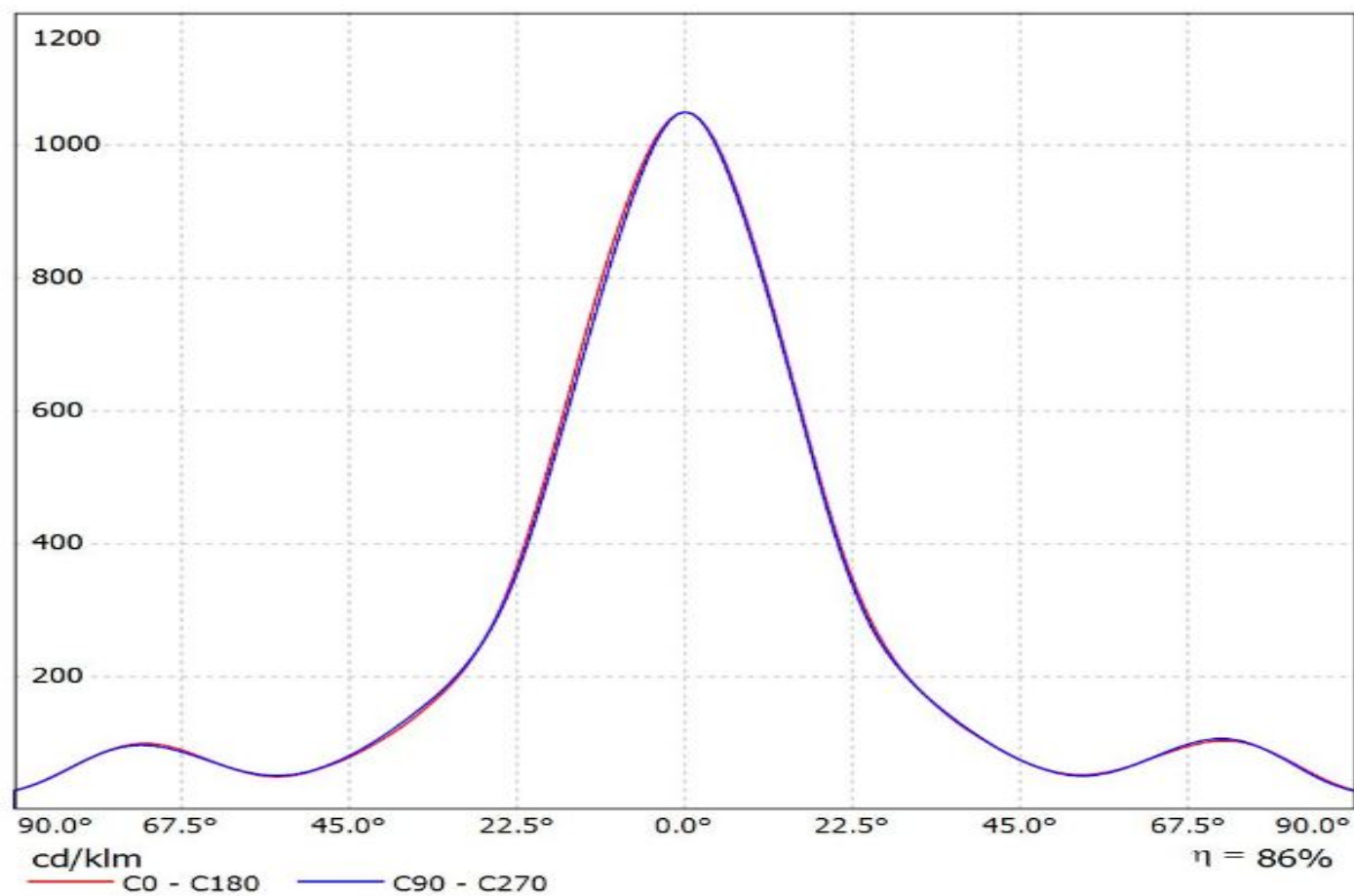
Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL (SLE-G5_LES-19)
Lamps: 1 x Tridonic_SLE-G5_LES-19_1189.9lm@250mA_P=8.3068W_I=0.250A



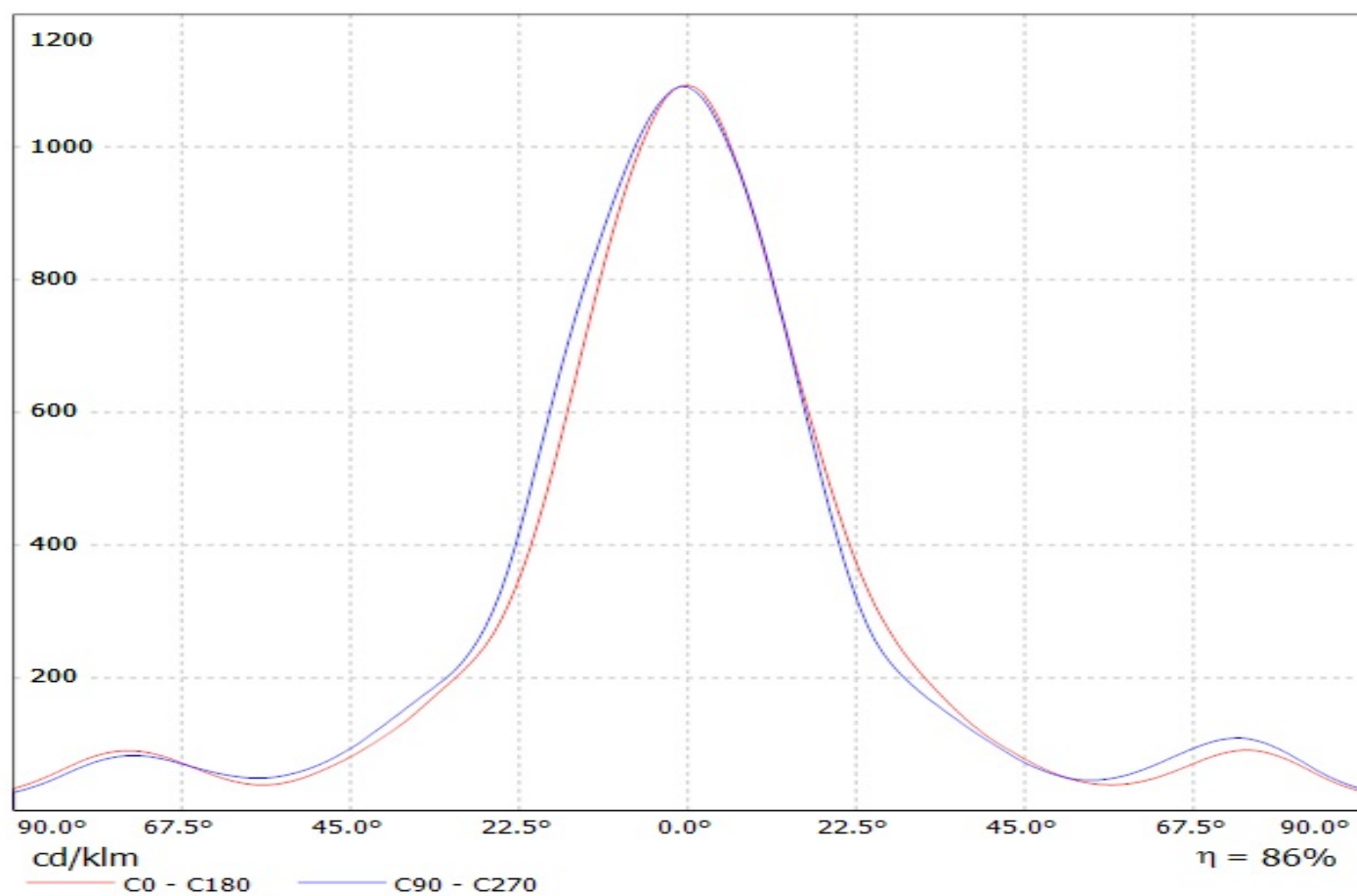
Luminaire: Ledil FN14720_STELLA-FRESNEL_(Soleriq_S19)
Lamps: 1 x Osram_Soleriq_S19_(GW-KAHJB1.EM)_1487.02lm@250mA_P=10.562W_I=0.25A



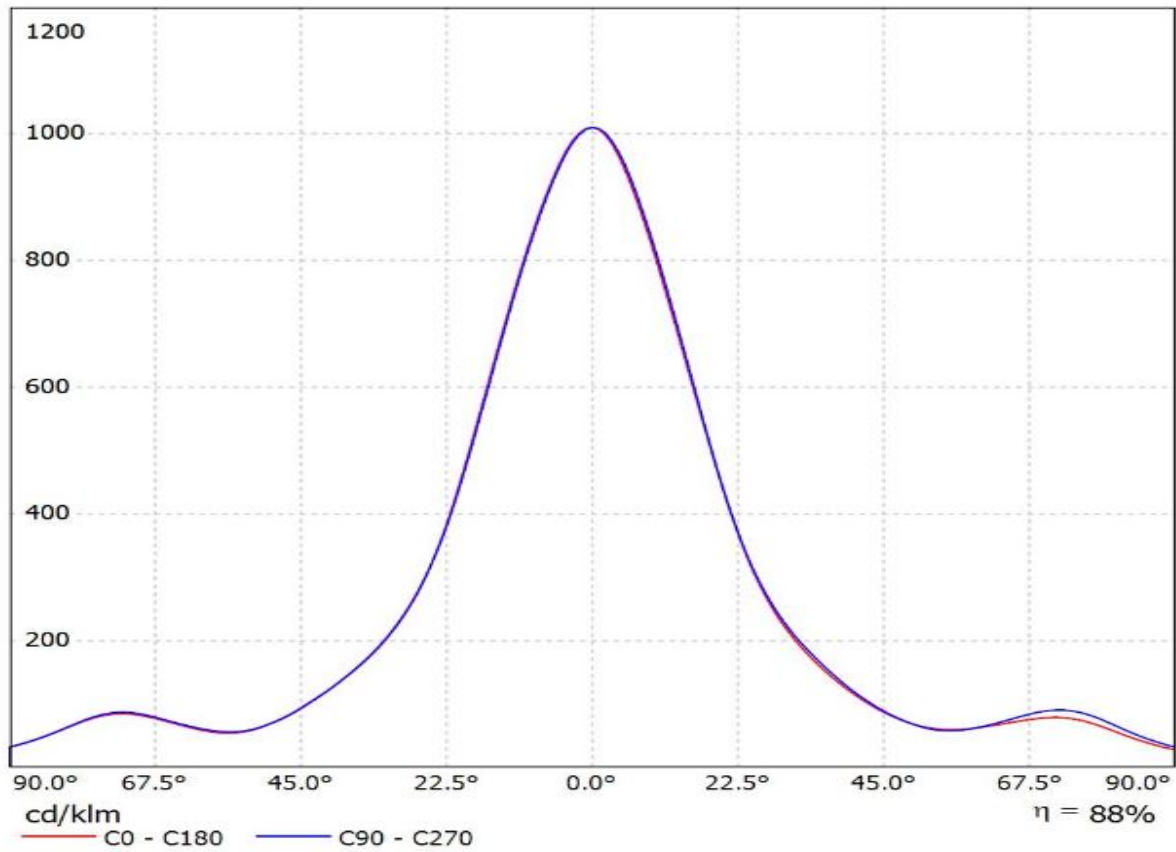
Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(SLE-G5_LES-23)
Lamps: 1 x Tridonic_SLE-G5_LES-23_1408.28lm@250mA_P=8.1392W_I=0.250A



Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(CLU046)
Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



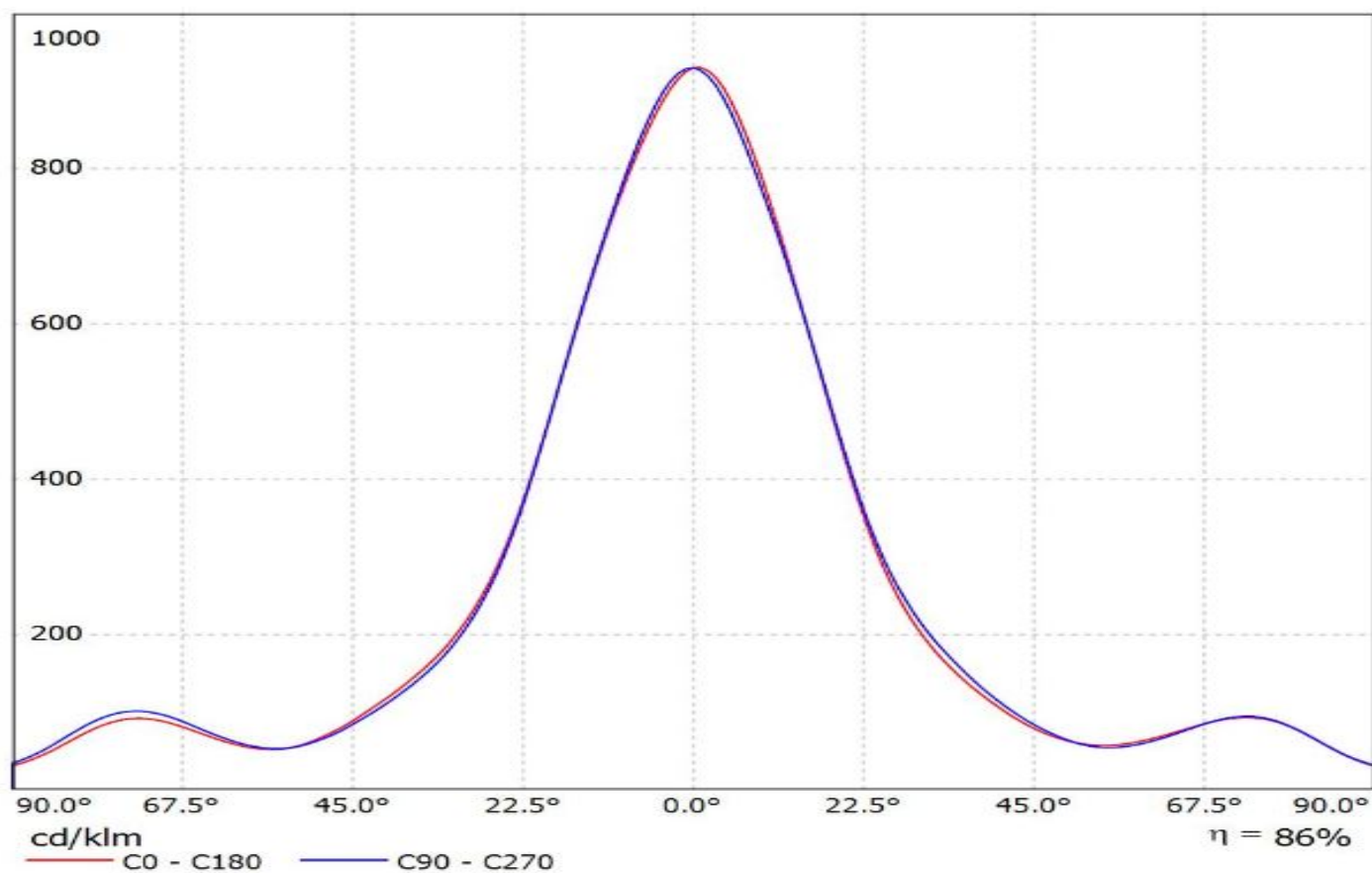
Luminaire: Ledil FN14720_STELLA-FRESNEL_(CXB3070_+BJB)
Lamps: 1 x Cree_CXB3070_(-30G-AD-N0H-0001)_+BJB_47.319.2150_1399.52lm@250mA_CCT=3000K_P=8.0355W_I=0.25A



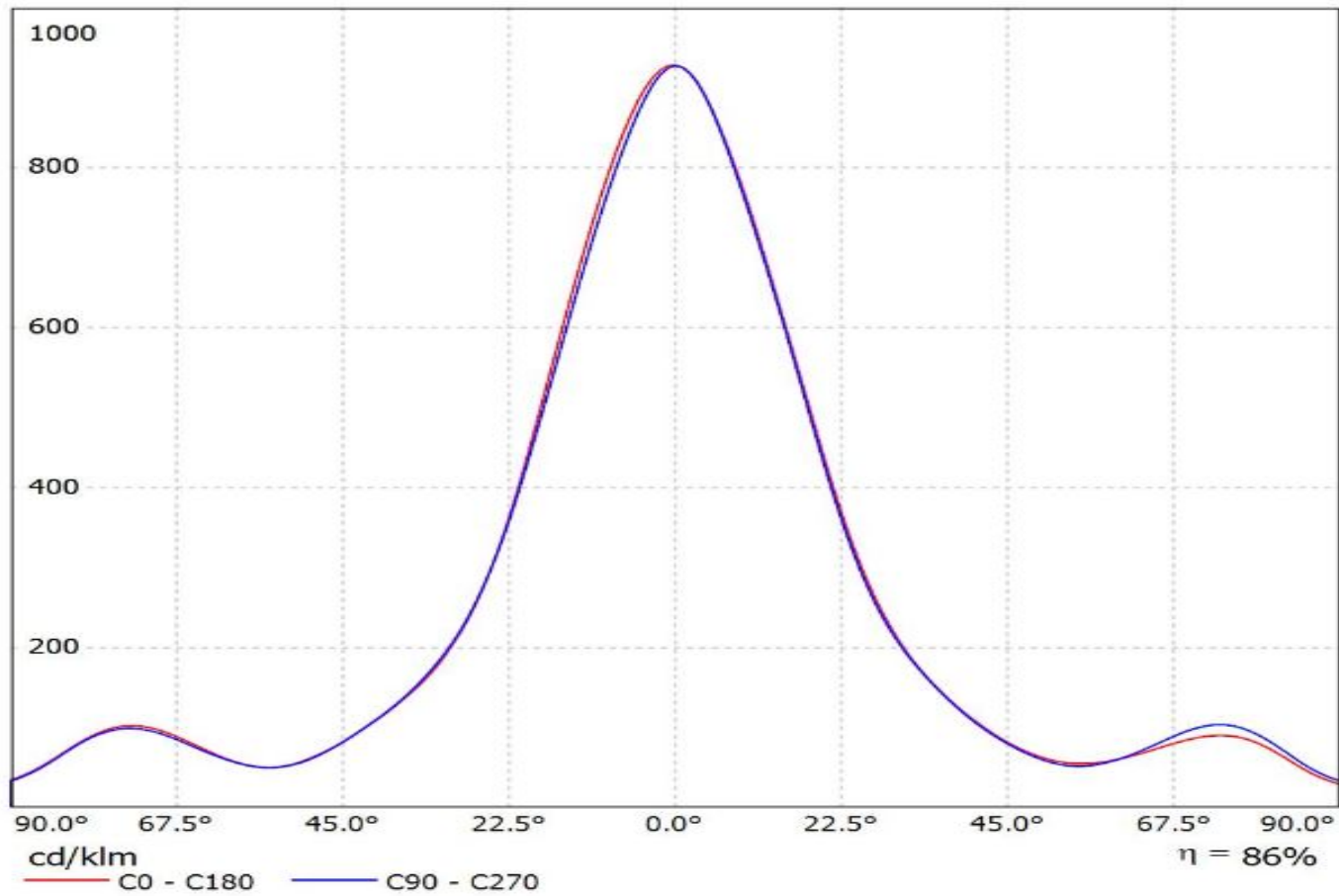
Luminaire: Ledil FN14720_STELLA-FRESNEL_(CXM-22_+BW)

Lamps: 1 x LUMINUS_CXM-

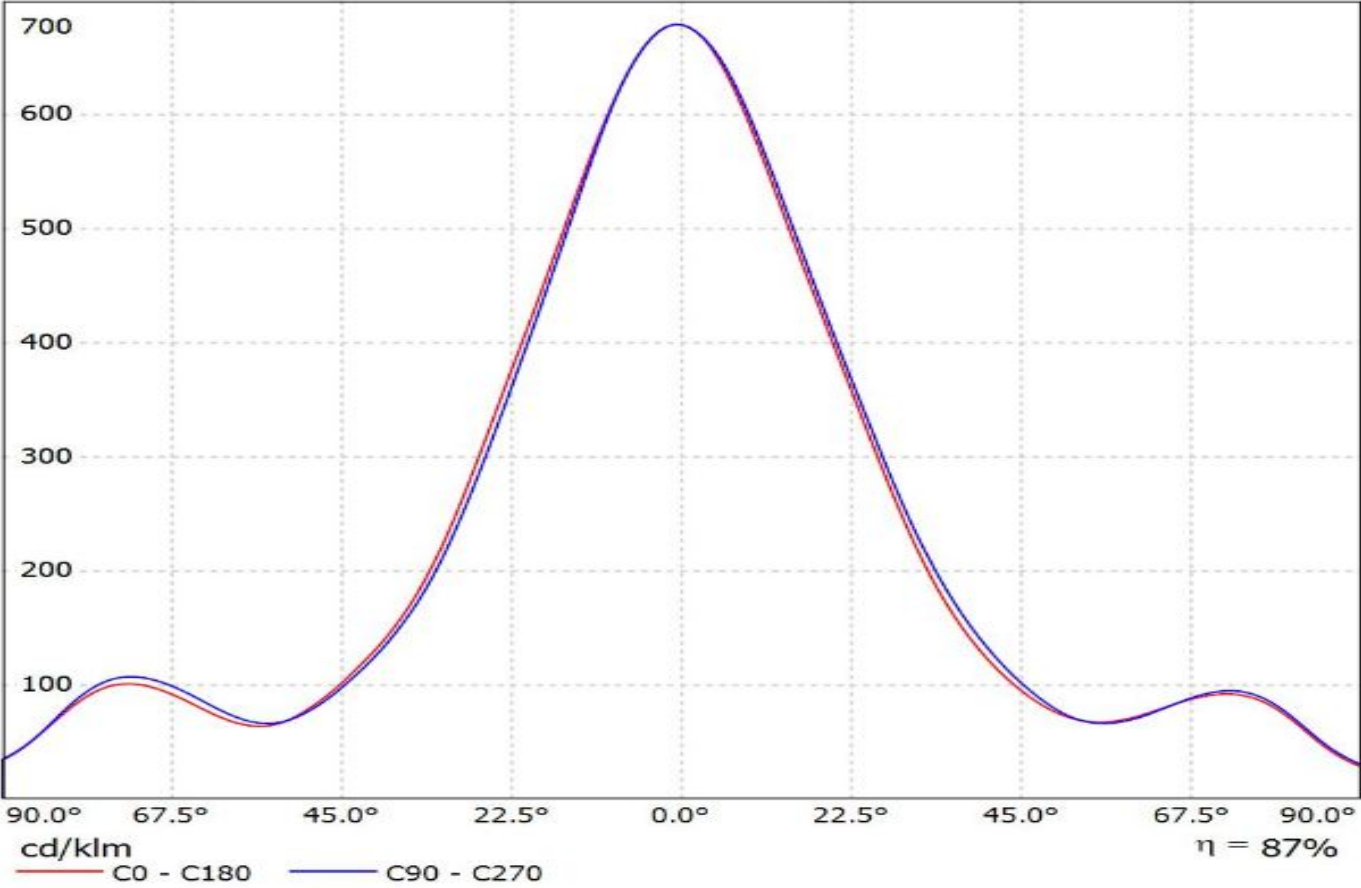
22_+Bender&Wirth_431TypL3_1259.61lm@250mA_P=8.0332W_CCT=3000K_I=0.25A



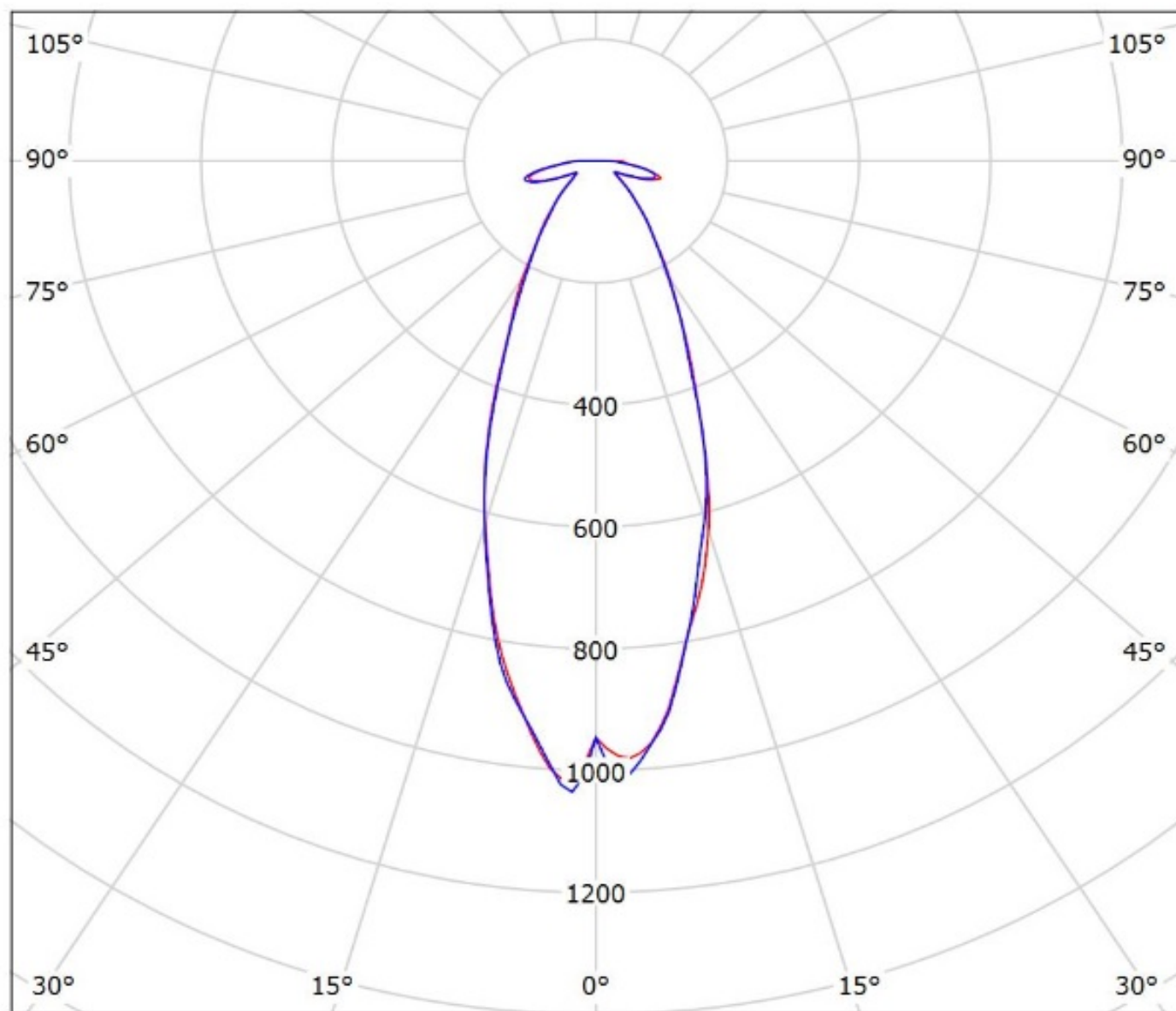
Luminaire: Ledil FN14720_STELLA-FRESNEL_(CoB_1216)
Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1468.12lm@250mA_P=7.9868W_I=0.25A



Luminaire: Ledil FN14720_STELLA-FRESNEL_(Vero29)
Lamps: 1 x Bridgelux_Vero29_(30-E10K0L-Y2)_1467.5lm@250mA_P=8.8850W_I=0.25A



Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(CXA3590)_SIMULATED
Lamps: 1 x Cree CXA3590

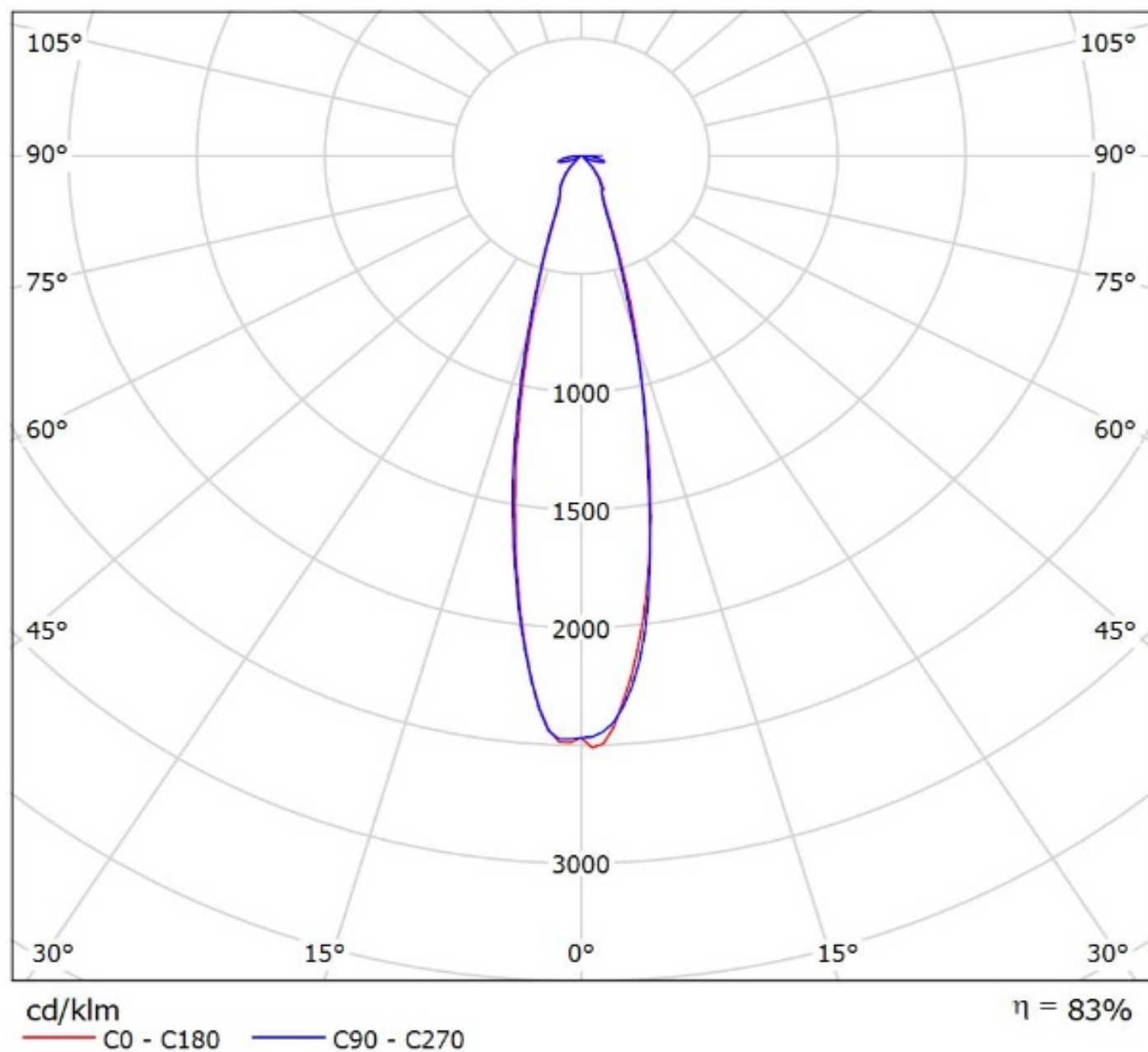


cd/klm

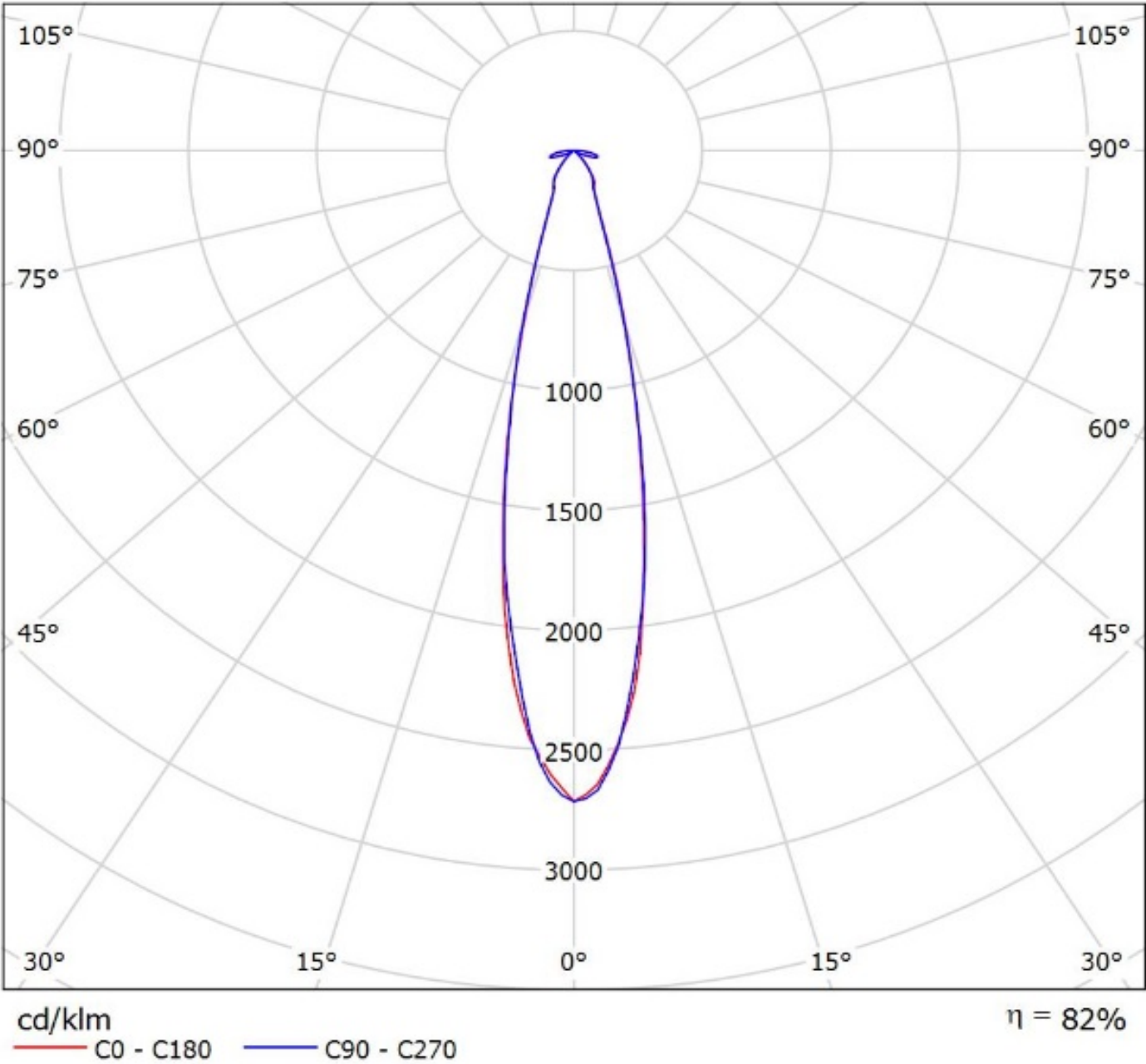
— C0 - C180 — C90 - C270

$\eta = 83\%$

Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(CXA2590)_SIMULATED
Lamps: 1 x Cree CXA2590

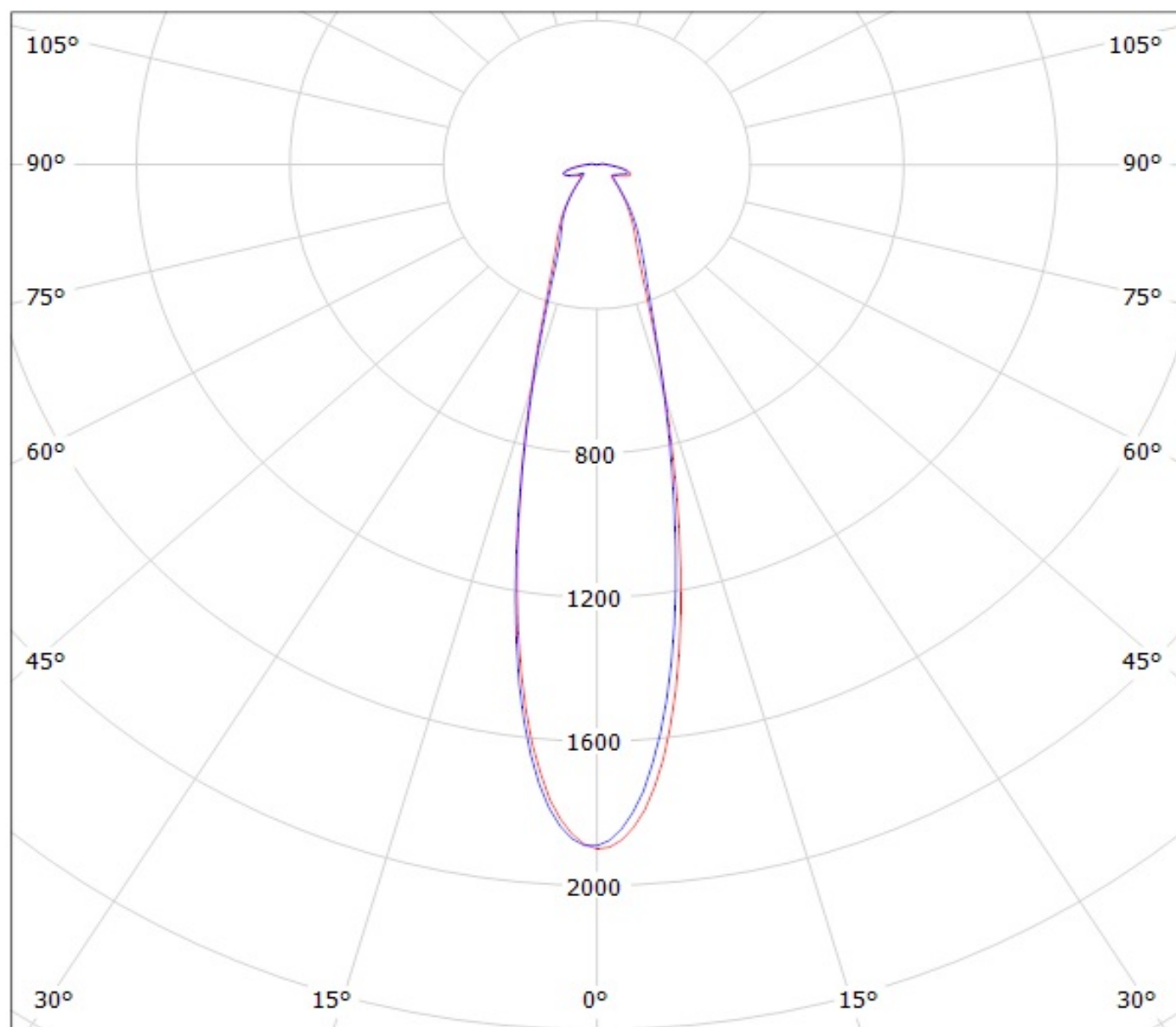


Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_(Luxeon_CoB_1208)_SIMULATED
Lamps: 1 x Lumileds Luxeon CoB 1208



Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(Soleriq_P13)_Cav1

Lamps: 1 x Osram_Soleriq_P13_(GQ_MAGMB1.EM)_922.464lm@250mA_P=8.69804W_I=0.2498A



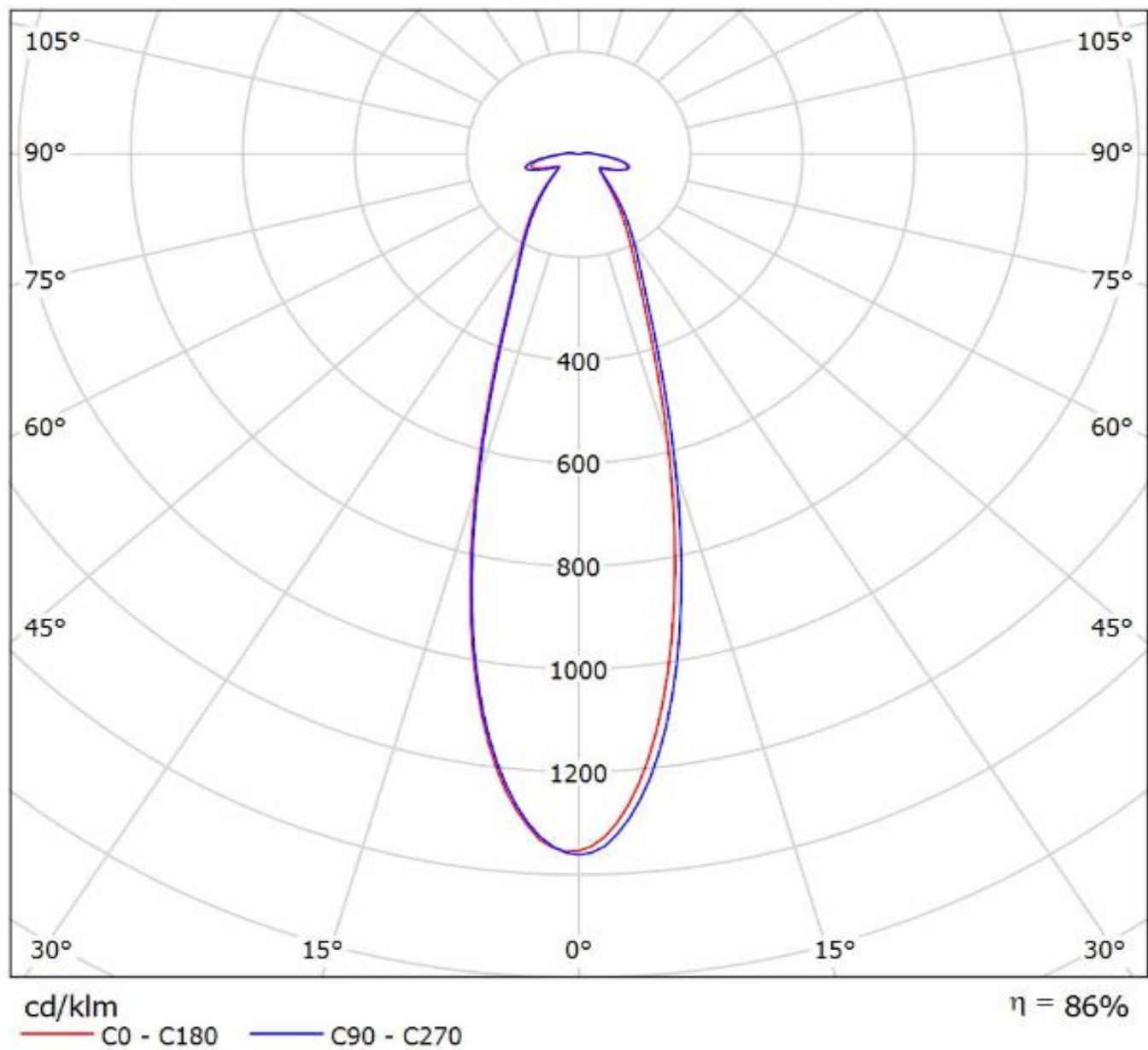
cd/klm

$\eta = 89\%$

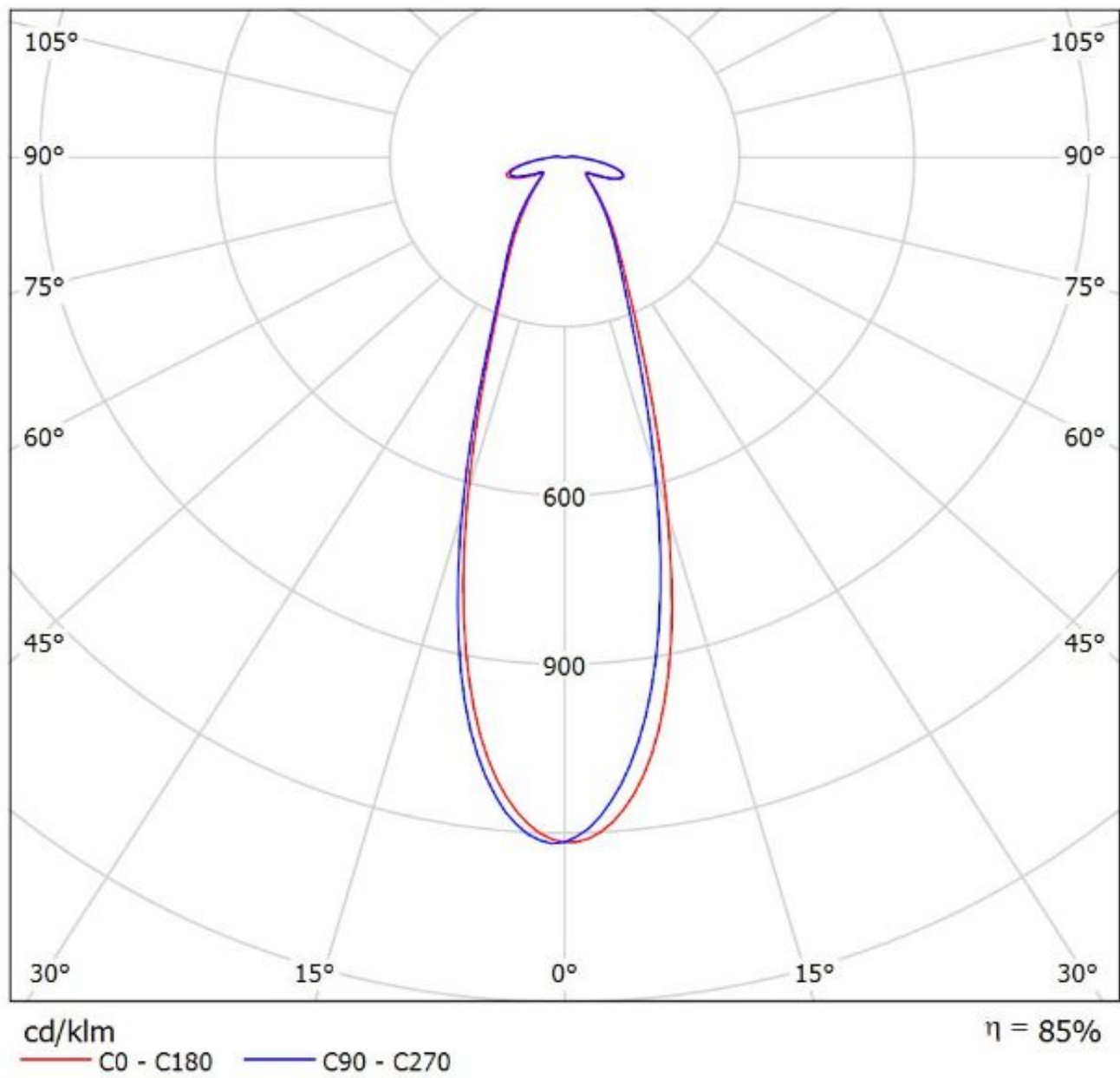
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(SLE-G5_LES-19)
Lamps: 1 x Tridonic_SLE-G5_LES-19_1189.9lm@250mA_P=8.3068W_I=0.250A

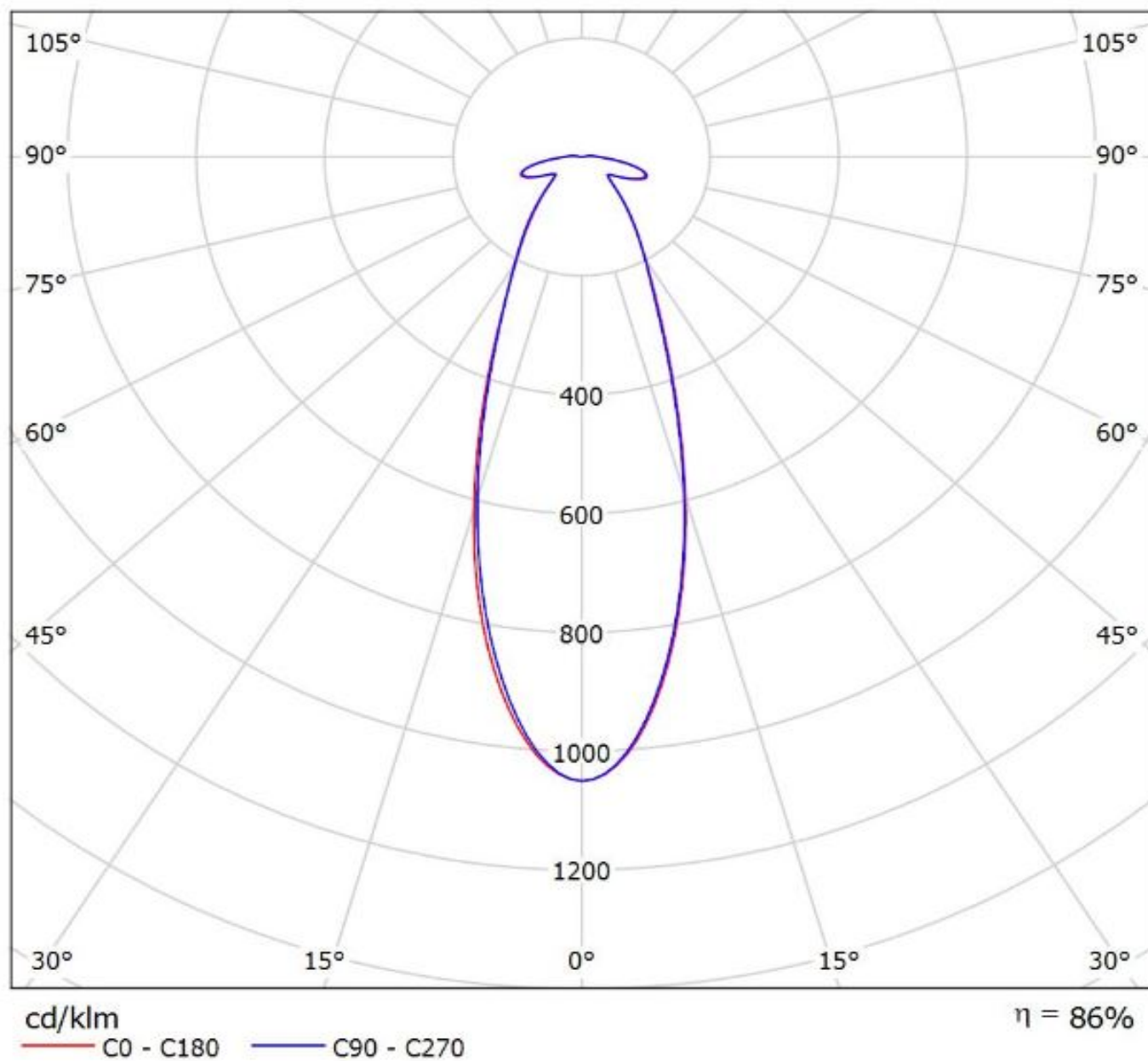


Luminaire: Ledil FN14720_STELLA-FRESNEL_(Soleriq_S19)
Lamps: 1 x Osram_Soleriq_S19_(GW-KAHJB1.EM)_1487.02lm@250mA_P=10.562W_I=0.25A



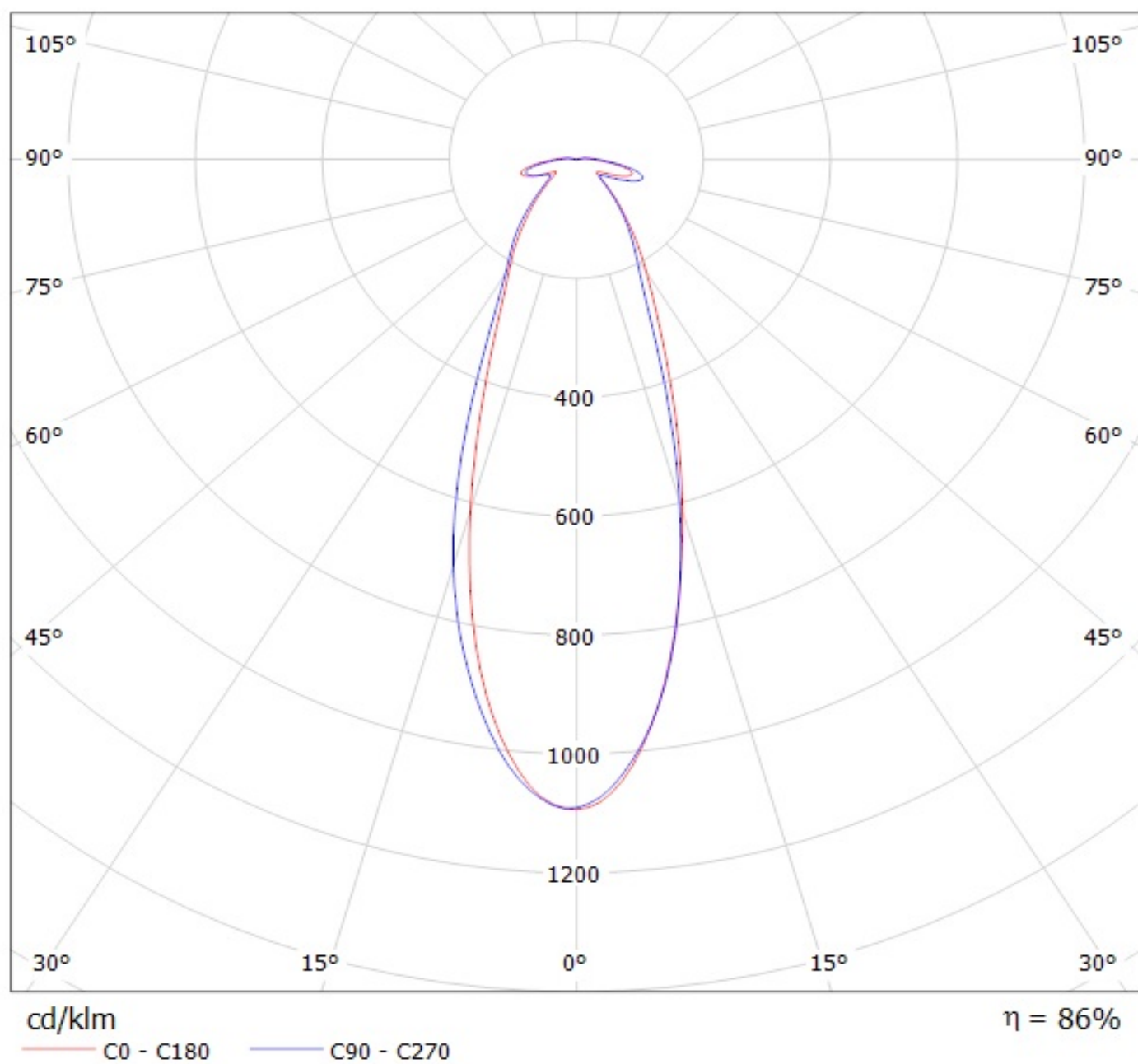
Luminaire: LEDiL Oy FN14720 STELLA-FRESNEL (SLE-G5 LES-23)

Lamps: 1 x Tridonic SLE-G5 LES-23 1408.28lm@250mA P=8.1392W I=0.250A



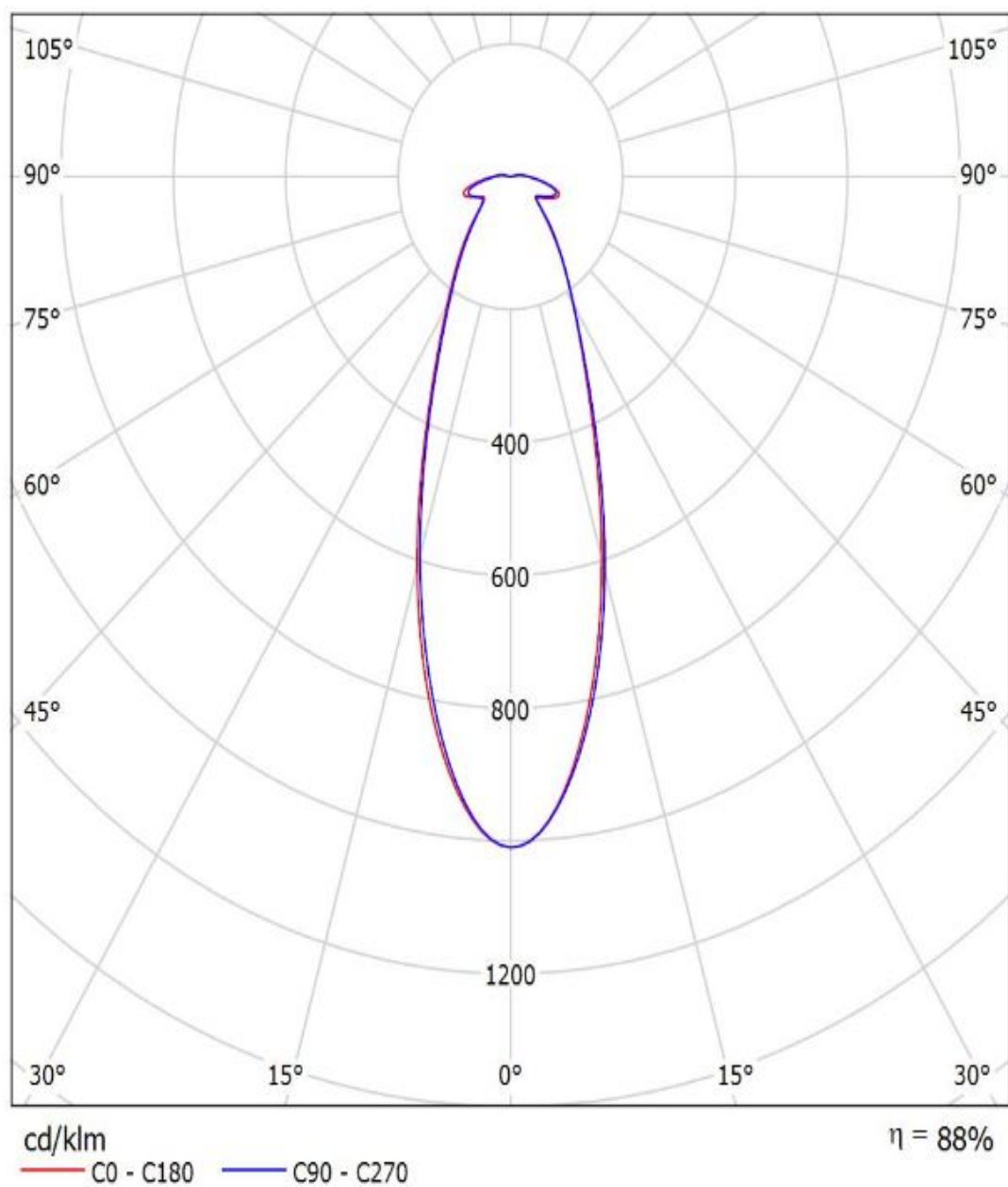
Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(CLU046)

Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



Luminaire: Ledil FN14720_STELLA-FRESNEL_(CXB3070_+BJB)

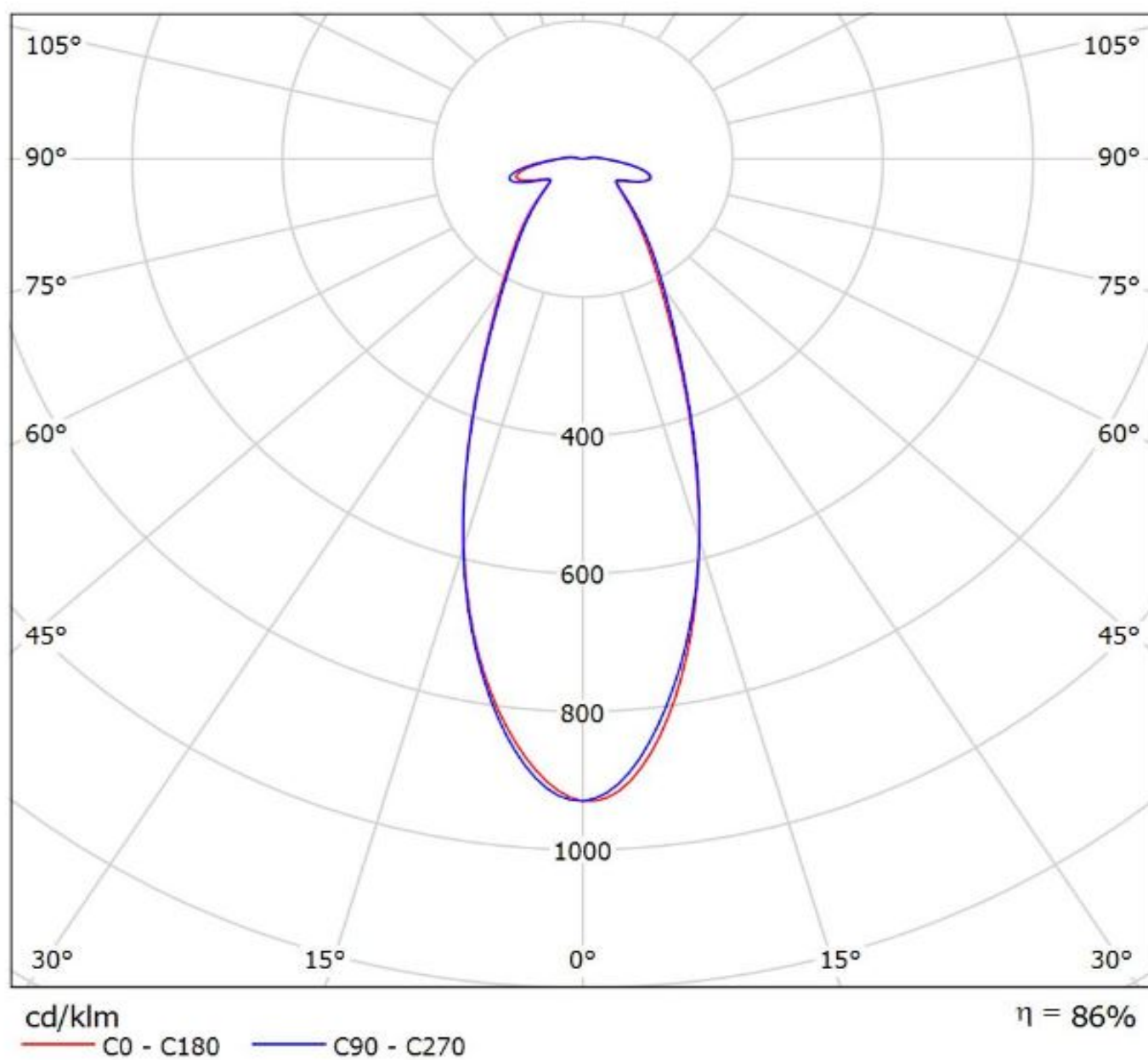
Lamps: 1 x Cree_CXB3070_(-30G-AD-N0H-0001)_+BJB_47.319.2150_1399.52lm@250mA_CCT=3000K_P=8.0355W_I=0.25A



Luminaire: Ledil FN14720_STELLA-FRESNEL_(CXM-22_+BW)

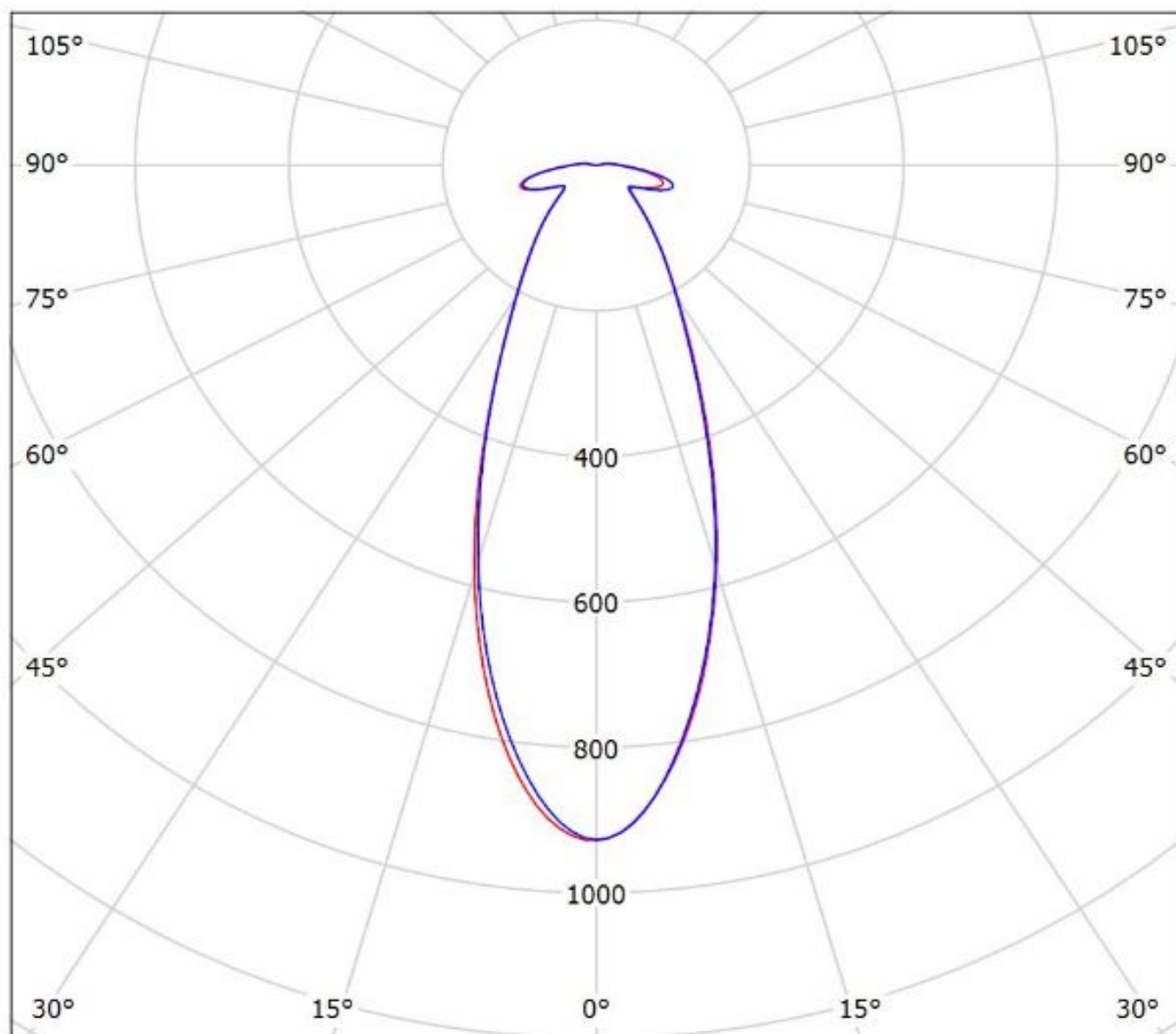
Lamps: 1 x LUMINUS_CXM-

22_+Bender&Wirth_431TypL3_1259.61lm@250mA_P=8.0332W_CCT=3000K_I=0.25A



Luminaire: Ledil FN14720_STELLA-FRESNEL_(CoB_1216)

Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1468.12lm@250mA_P=7.9868W_I=0.25A



cd/klm

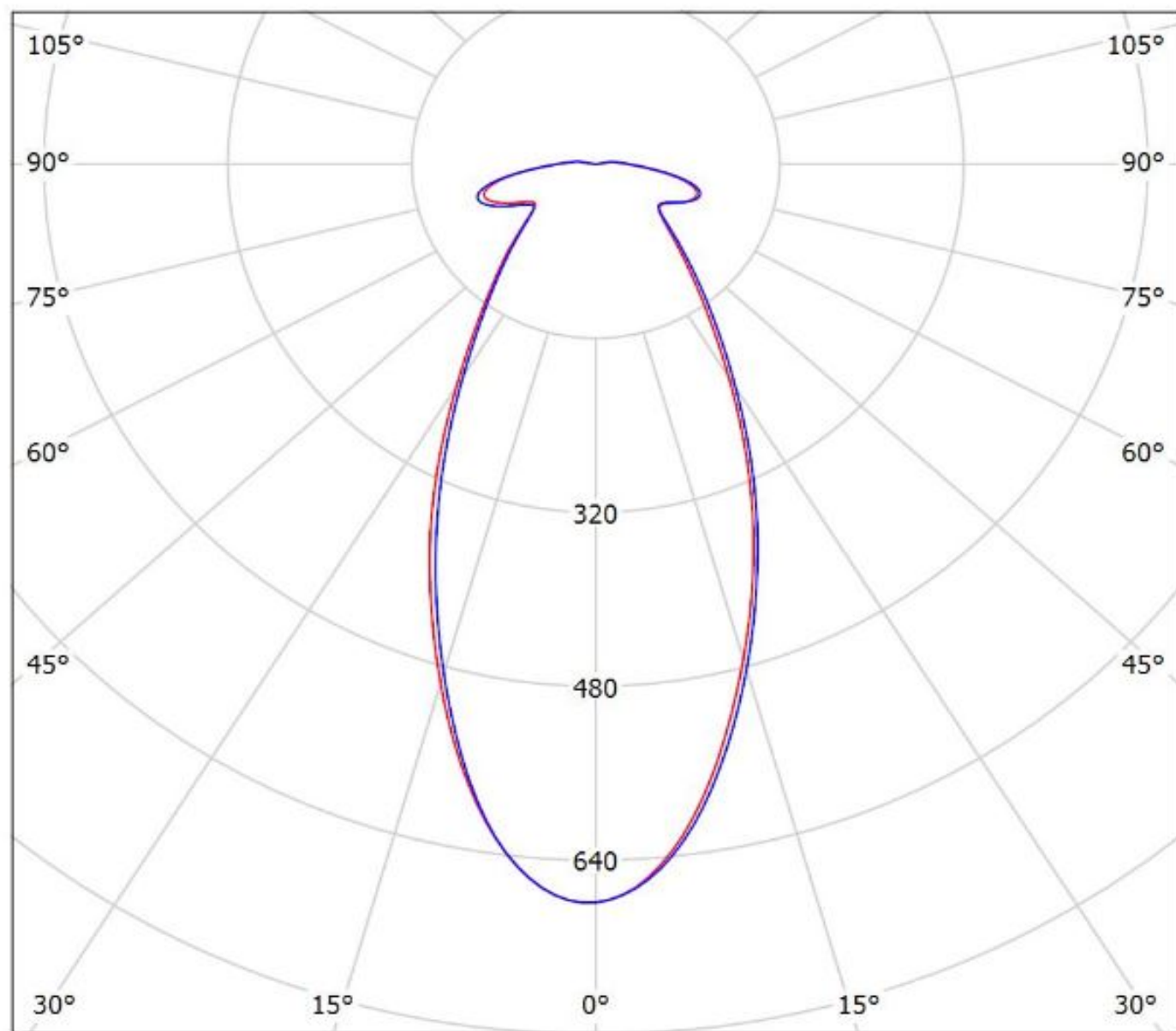
— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: Ledil FN14720_STELLA-FRESNEL_(Vero29)

Lamps: 1 x Bridgelux_Vero29_(30-E10K0L-Y2)_1467.5lm@250mA_P=8.8850W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

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.

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.