

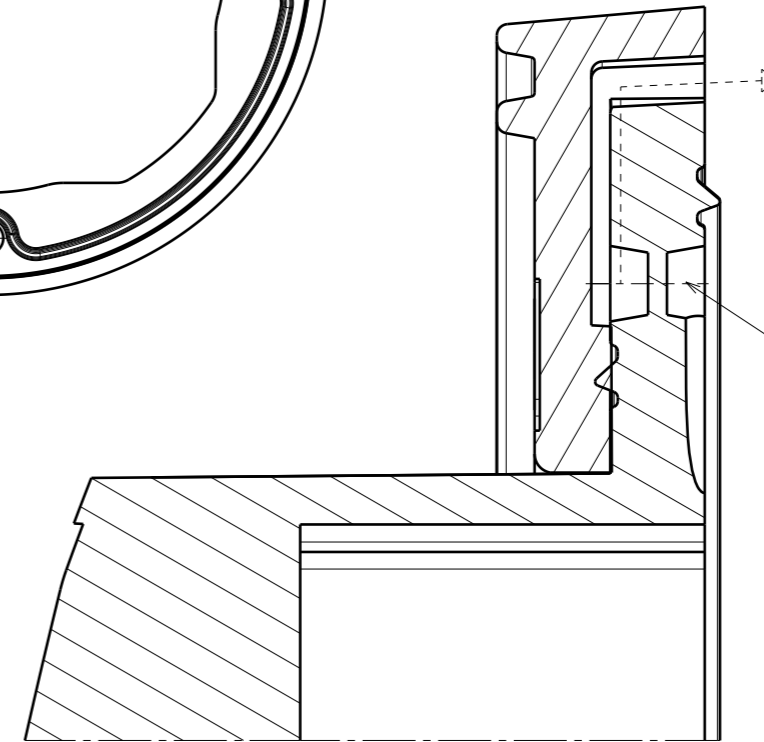
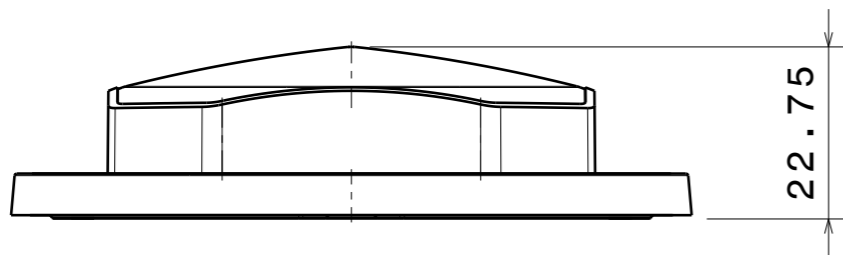
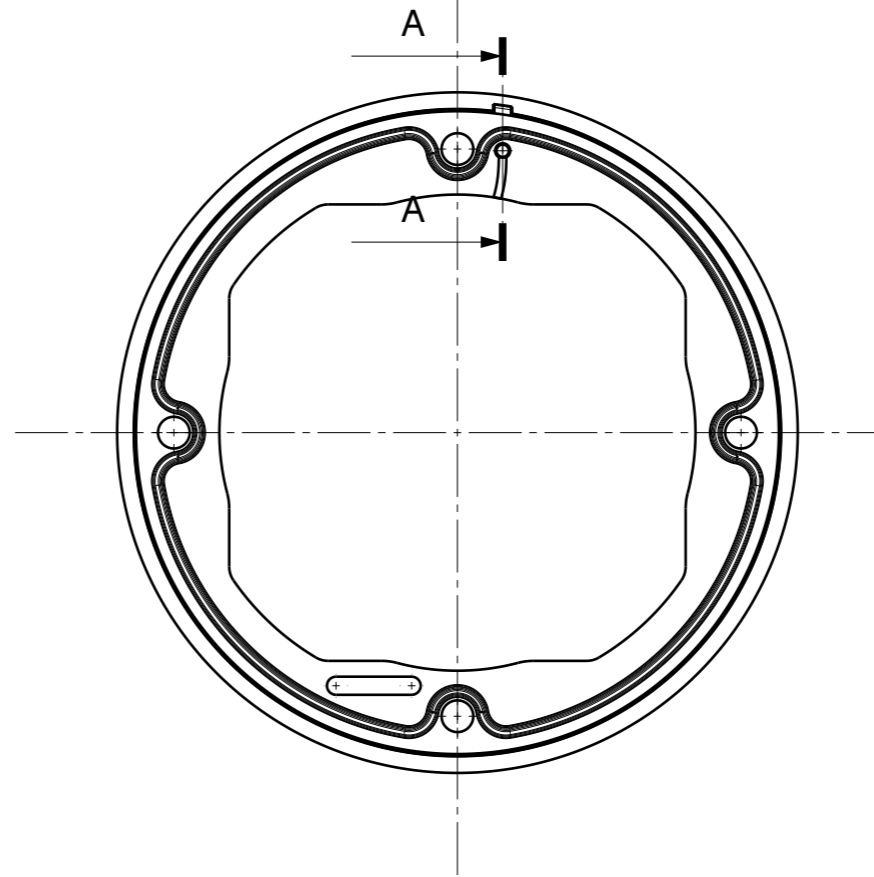
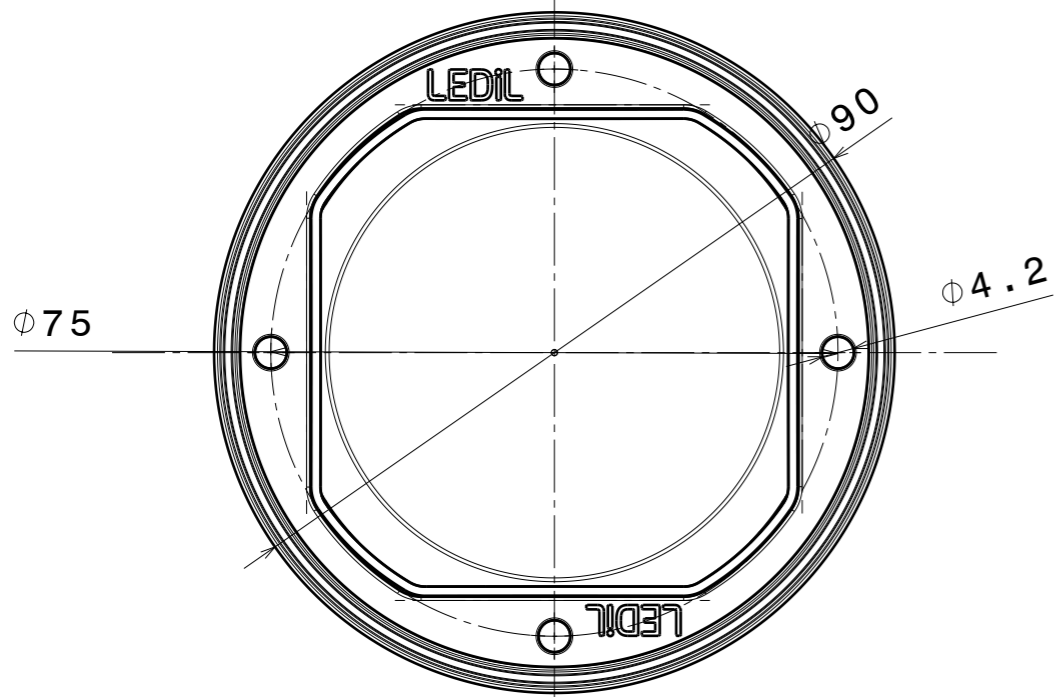
DETAILS

Product Number	FN15188_STELLA-FRESNEL
Family	STELLA
Type	Pack
Color	white
Diameter	90 mm
Height	23 mm
Style	round
Optic Material	Silicone
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	15/02/2017



OPTICAL PROPERTIES

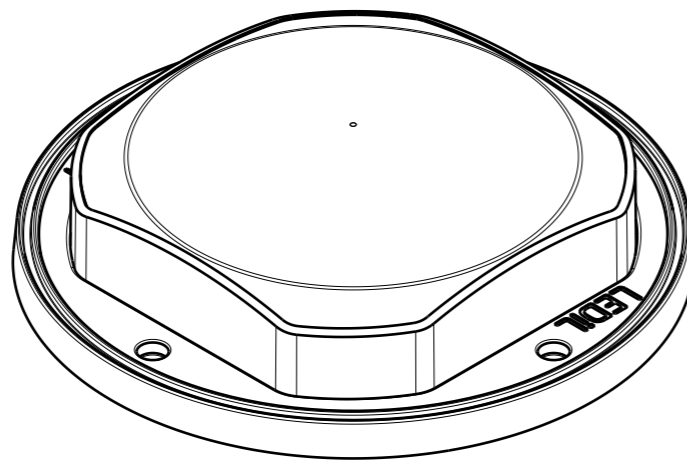
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Vero SE 18	32 deg	Streetligh...	88 %	1.300	-
V10 Gen7	sim: 17	Streetligh...	sim: 85 %	sim: 4.780	Bender Wirth: 434 Typ Z1
V22 Gen7	sim: 30	Streetligh...	sim: 84 %	sim: 1.583	IDEAL: 50-2204CT
V18 Gen7	sim: 26	Streetligh...	sim: 85 %	sim: 1.970	BJB: 47.319.2350
V13 Gen7	sim: Asymmetri	Streetligh...	sim: 93 %	sim: 0.000	-
CLL04x/CLU04x	36 deg	Streetligh...	86 %	1.100	-
CXA/B 25xx	sim: 24	Streetligh...	sim: 86 %	sim: 2.600	-
LUXEON CoB 1216	39 deg	Streetligh...	86 %	0.930	-
LUXEON CoB 1208	sim: 22	Streetligh...	sim: 85 %	sim: 2.800	-
CXM-22	39 deg	Streetligh...	88 %	0.940	Bender Wirth: 431 Typ L3
Soleriq P13	25 deg	Streetligh...	89 %	1.900	-
MJT COB LES 22	36 deg	Streetligh...	87 %	0.980	IDEAL: 50-2204CT
MJT COB LES 14.5	28 deg	Streetligh...	86 %	1.500	IDEAL: 50-2103CT



Venting pipe:
Piercing this membrane
will Allow lens breathing

Section view A-A
Scale: 5:1

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



Isometric view
Scale: 1:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14627	STELLA-FRESNEL	Optical grade LSR	
	F14252	STELLA-FRAME-WHT	PA66GF30	white

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.

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

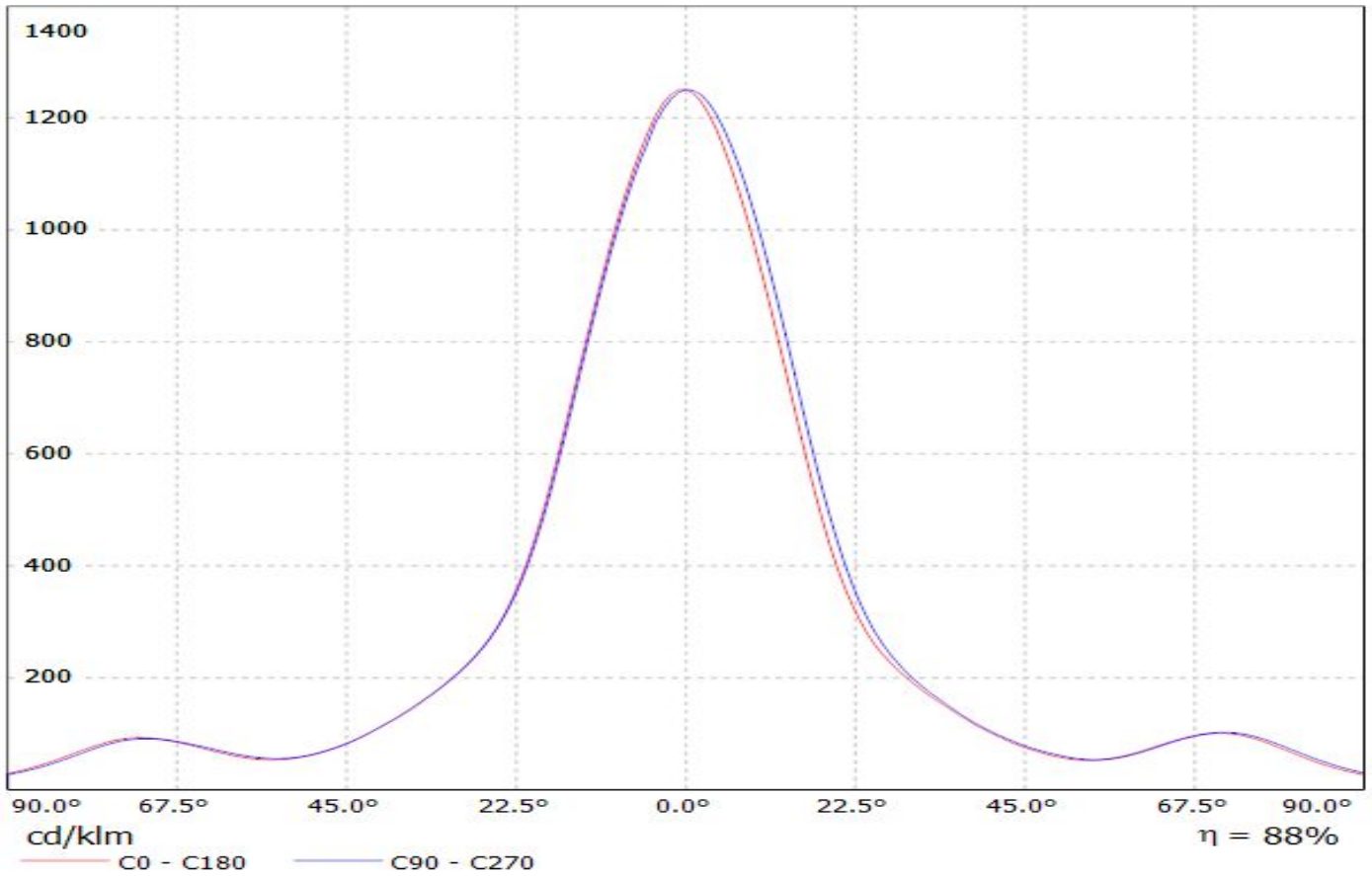
DRAWING TITLE
FN15188_STELLA-FRESNEL

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of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy.

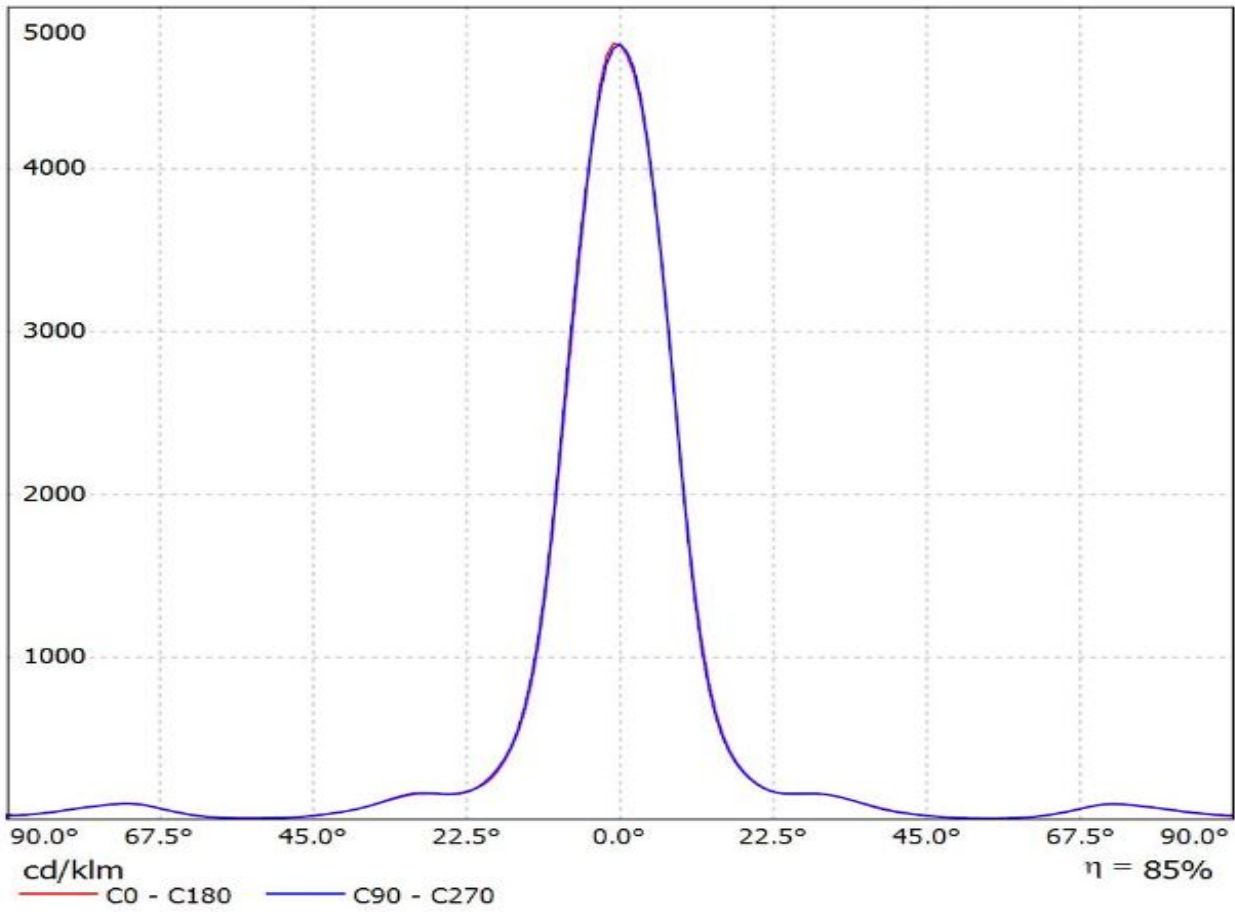
SIZE	PART NUMBER
A3	FN15188

SCALE	1:1	WEIGHT	35 g	SHEET	1/1
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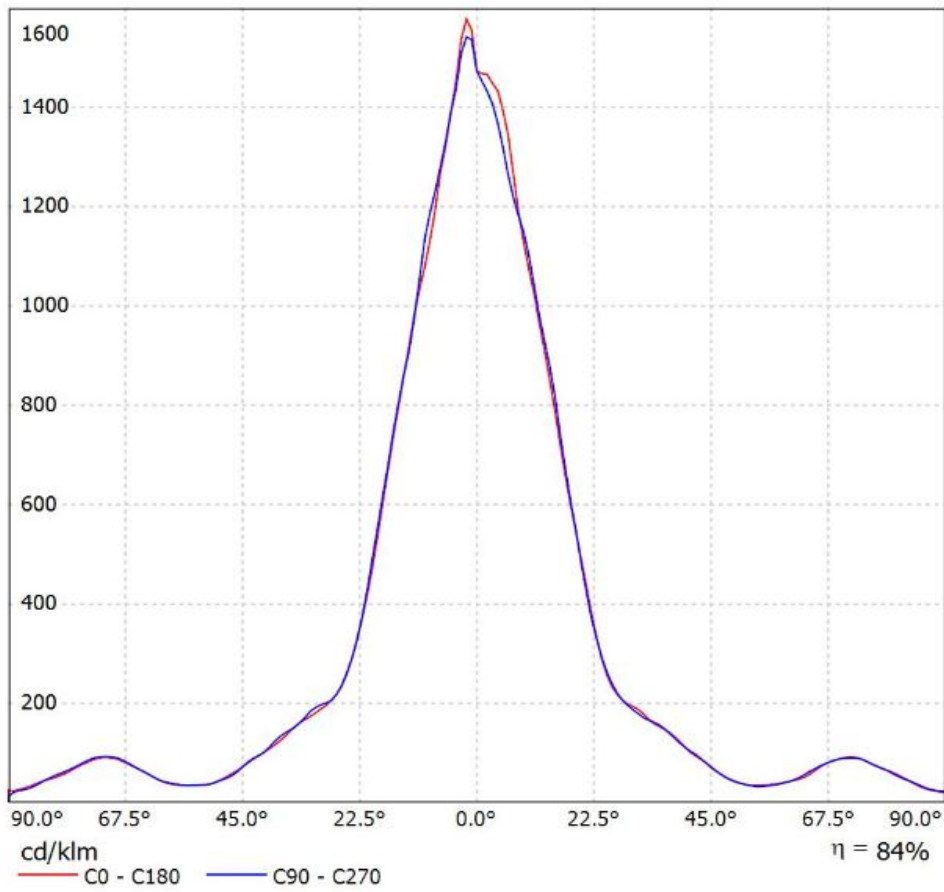
Luminaire: LEDiL Oy FN15188_STELLA-FRESNEL_(VERO18_SE)
Lamps: 1 x Bridgelux_VERO18_SE_(BXRC-30E4000-C-73-SE)
_1335.46lm@250mA_P=7.9961W_I=0.25A



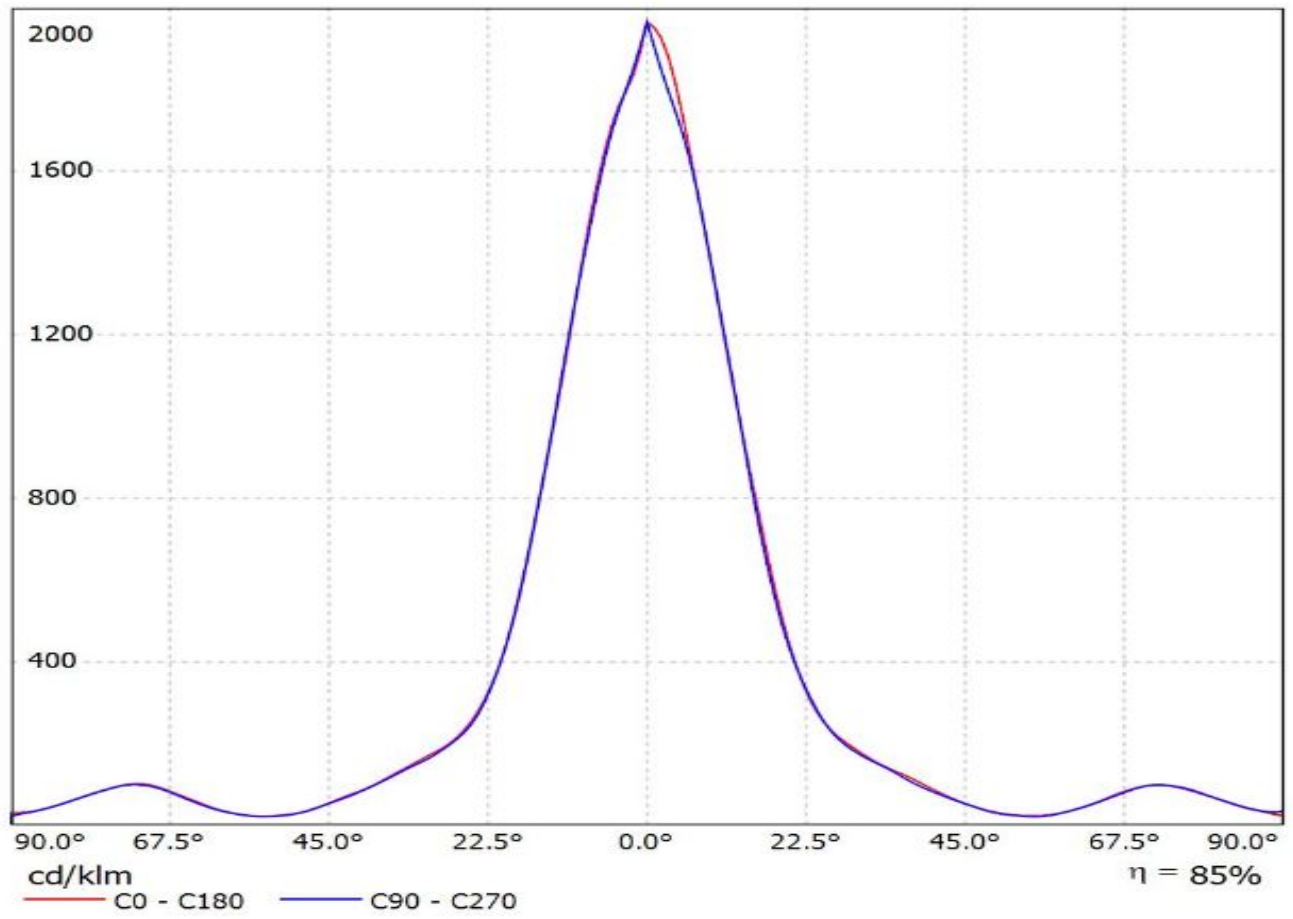
Luminaire: Ledil Oy FN14720_STELLA-FRESNEL+_Bender+Wirth 434 TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7



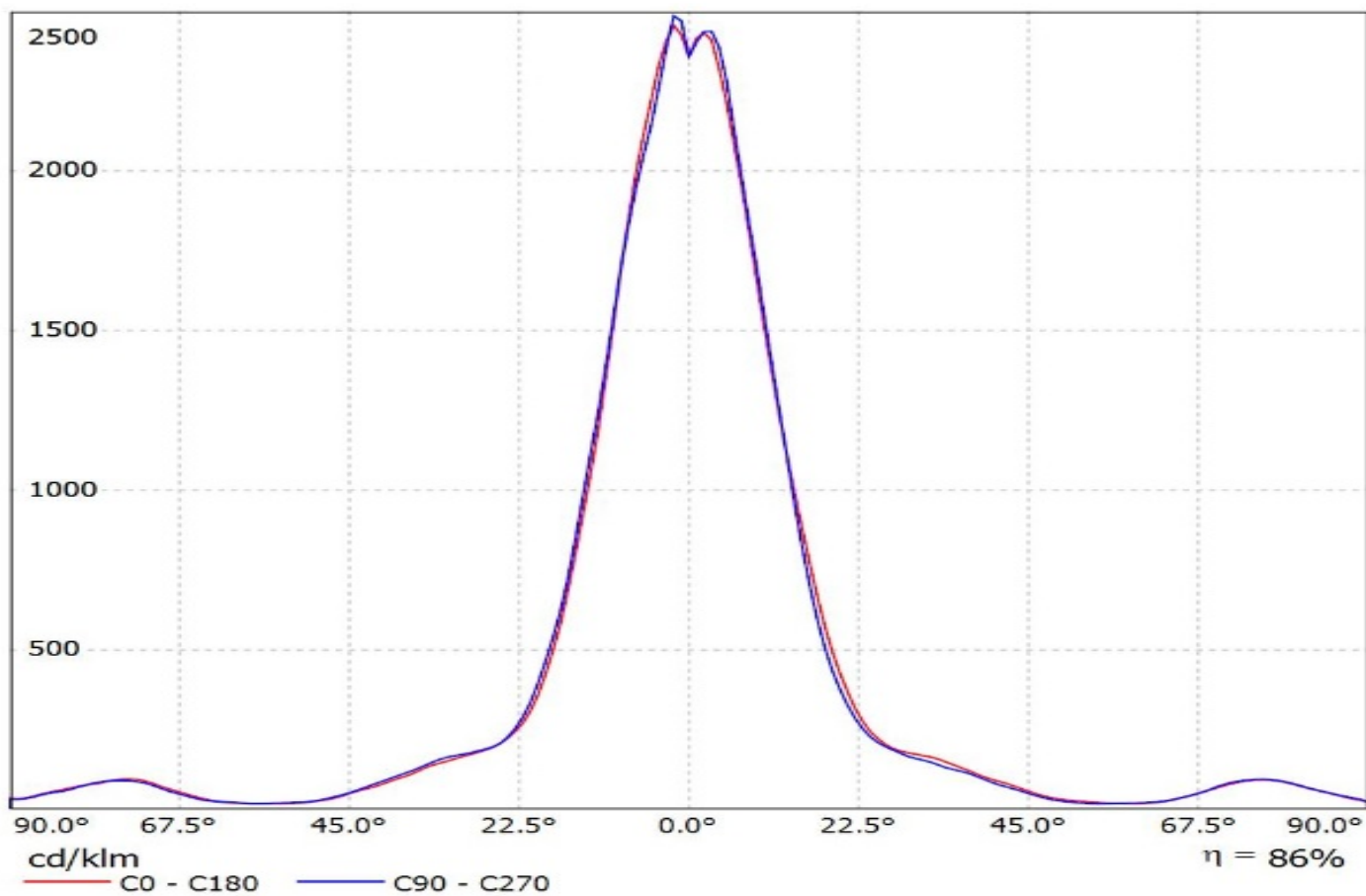
Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED



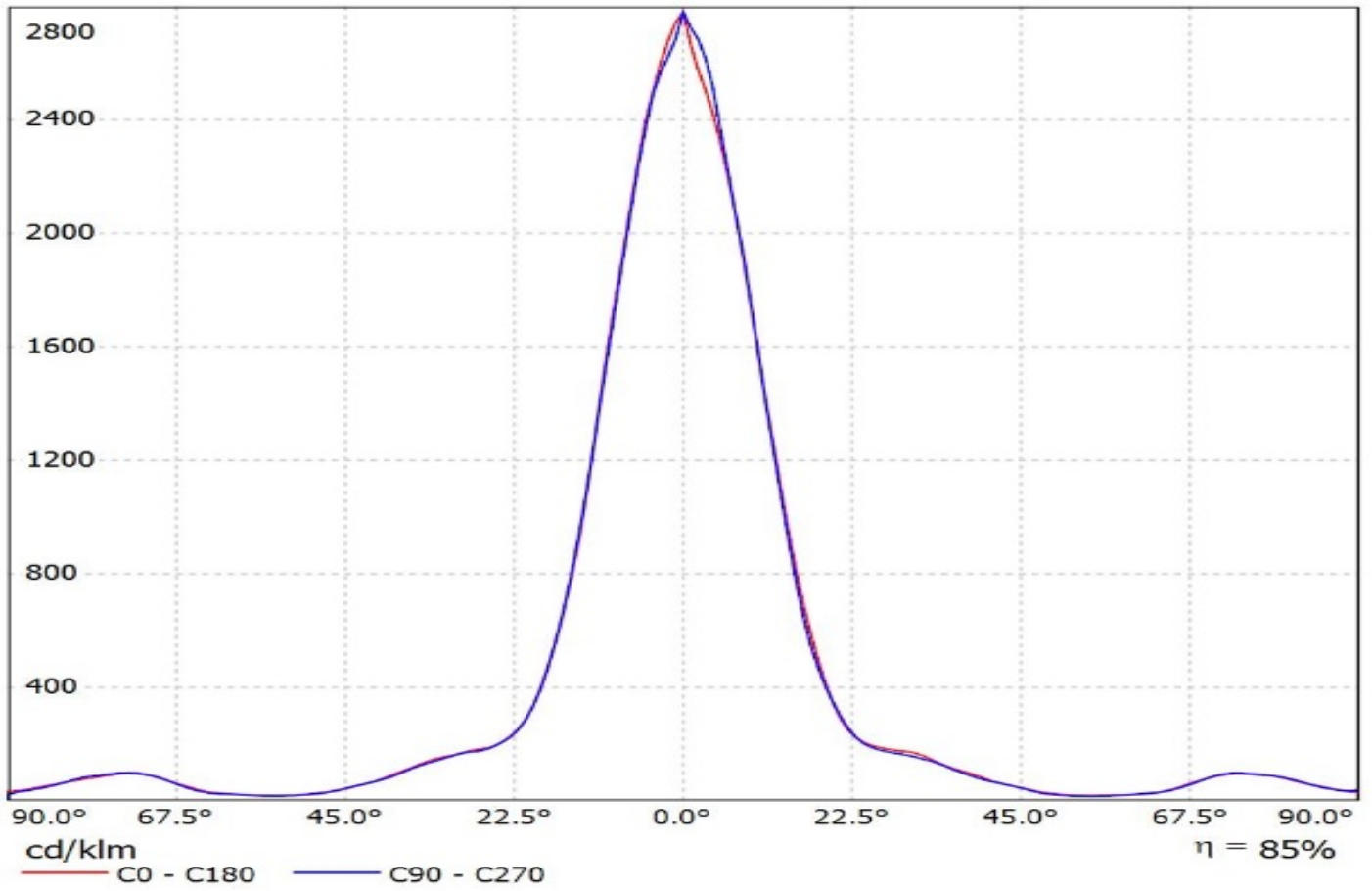
Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_+_BJB_47_319_2350_BRIDGELUX_V18_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V18 Gen7



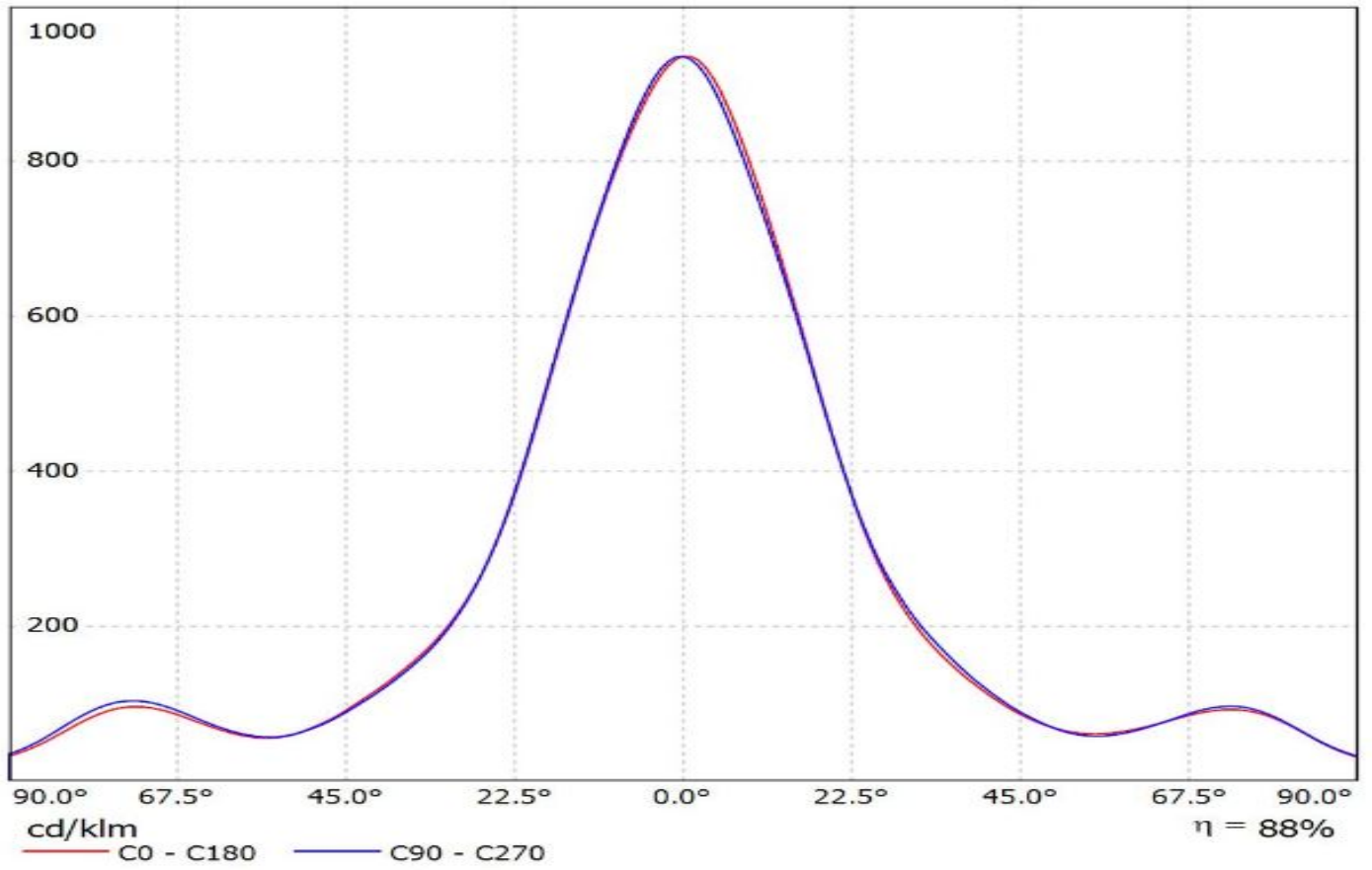
Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_(CXA2590)_SIMULATED
Lamps: 1 x Cree CXA2590



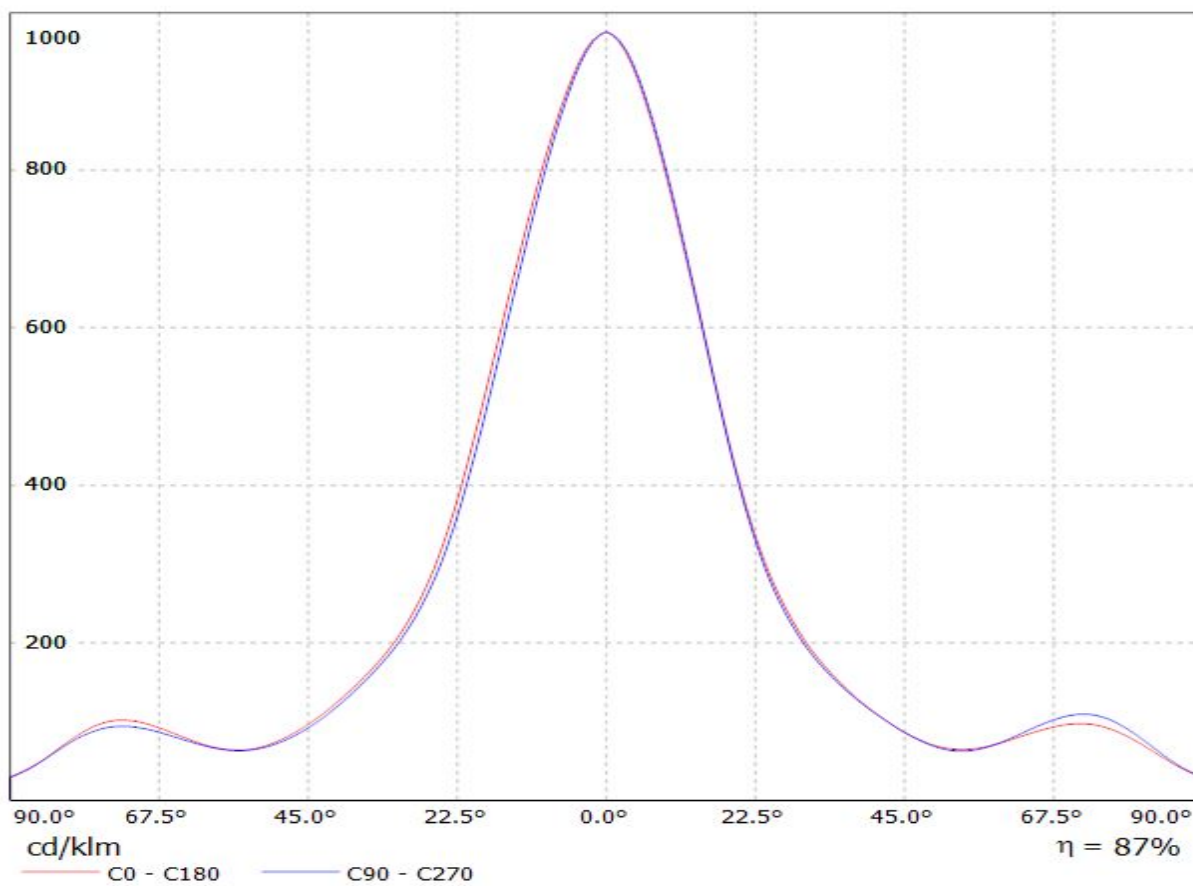
Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_(Luxeon_CoB_1208)_SIMULATED
Lamps: 1 x Lumileds Luxeon CoB 1208



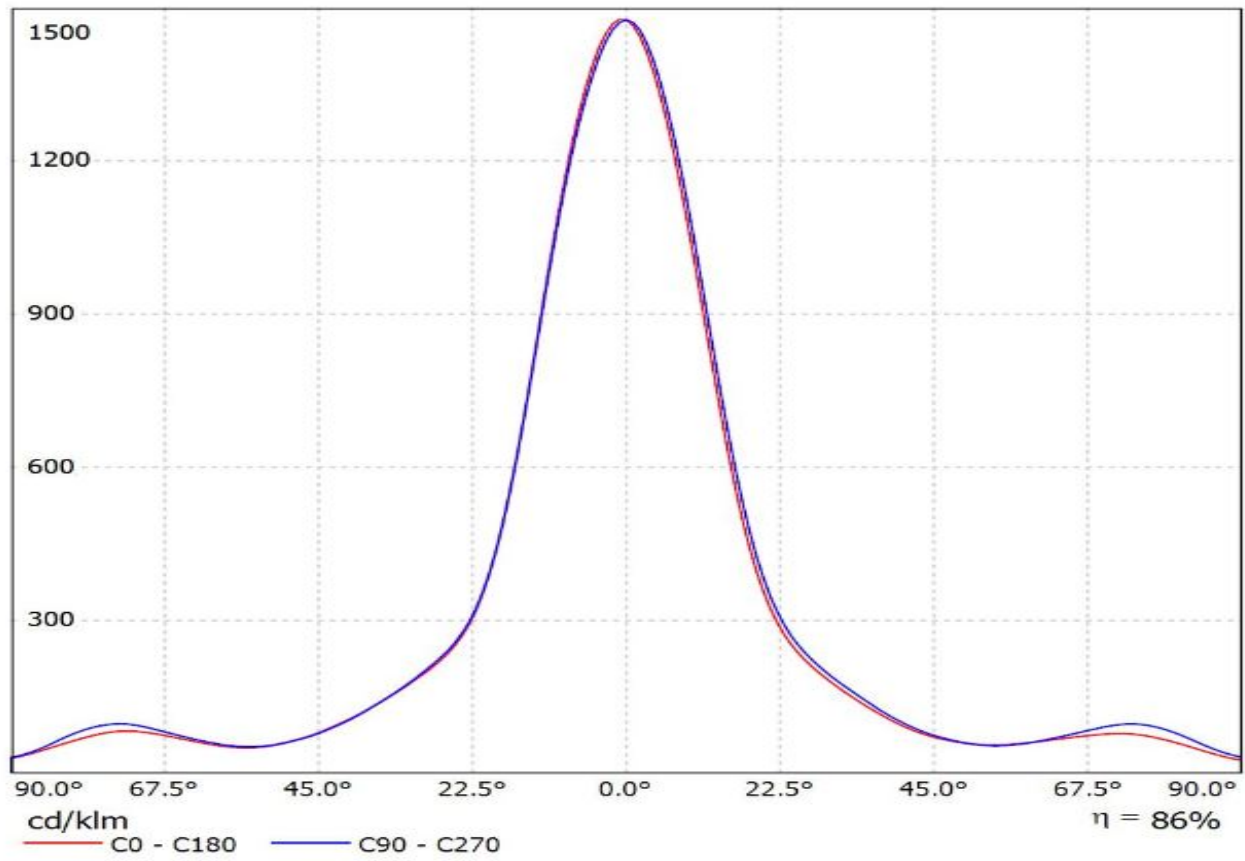
Luminaire: Ledil FN15188_STELLA-FRESNEL_(CXM-22_+BW)
Lamps: 1 x LUMINUS_CXM-22_+Bender&Wirth_431TypL3_1259.61lm@250mA_P=8.0332W_CCT=3000K_I=0.25A



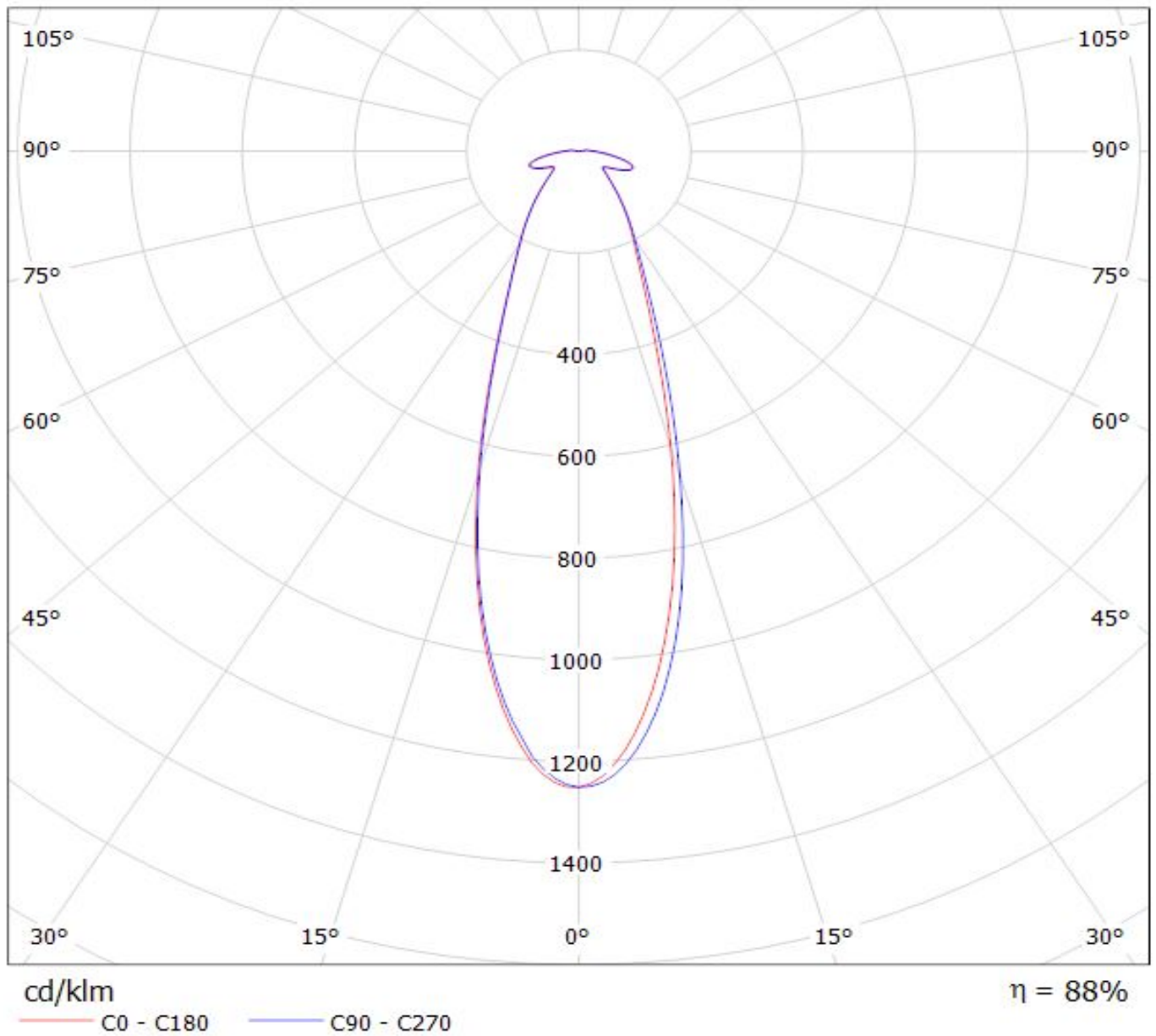
Luminaire: Ledil FN15188_STELLA-FRESNEL_(MJT_80W_Les22)_+Ideal_50-2204CT
Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)_+Ideal_50-2204CT_2497.65lm@250mA_P=13.3118W_I=0.25A



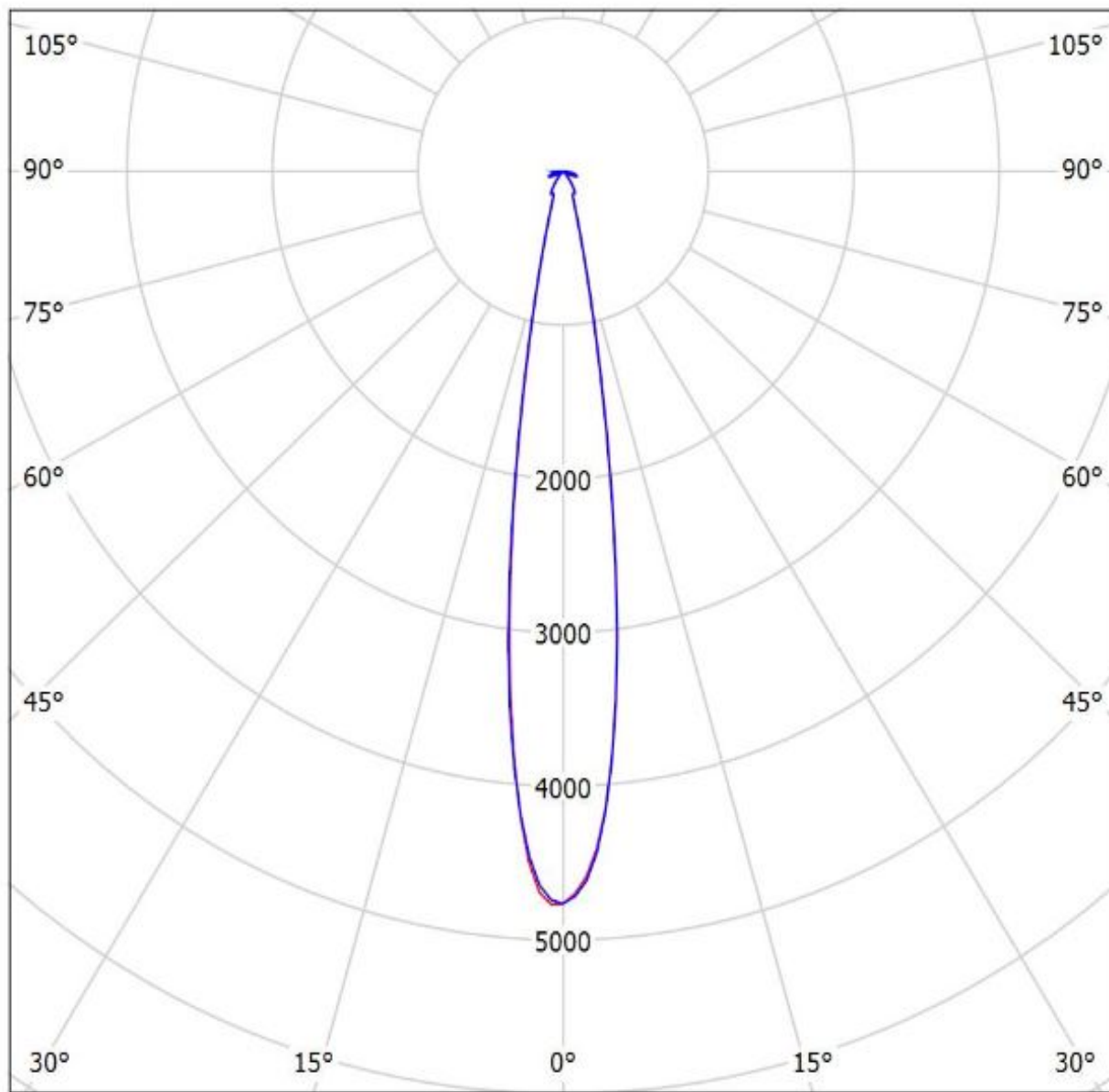
Luminaire: Ledil FN15188_STELLA-FRESNEL (MJT_30W_Les14,5) +50-2103CT
Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_50-2103CT_1339.05lm@250mA_P=8.2275W_I=0.25A



Luminaire: LEDiL Oy FN15188_STELLA-FRESNEL_(VERO18_SE)
Lamps: 1 x Bridgelux_VERO18_SE_(BXRC-30E4000-C-73-SE)
_1335.46lm@250mA_P=7.9961W_I=0.25A



Luminaire: Ledil Oy FN14720_STELLA-FRESNEL+_Bender+Wirth 434 TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7

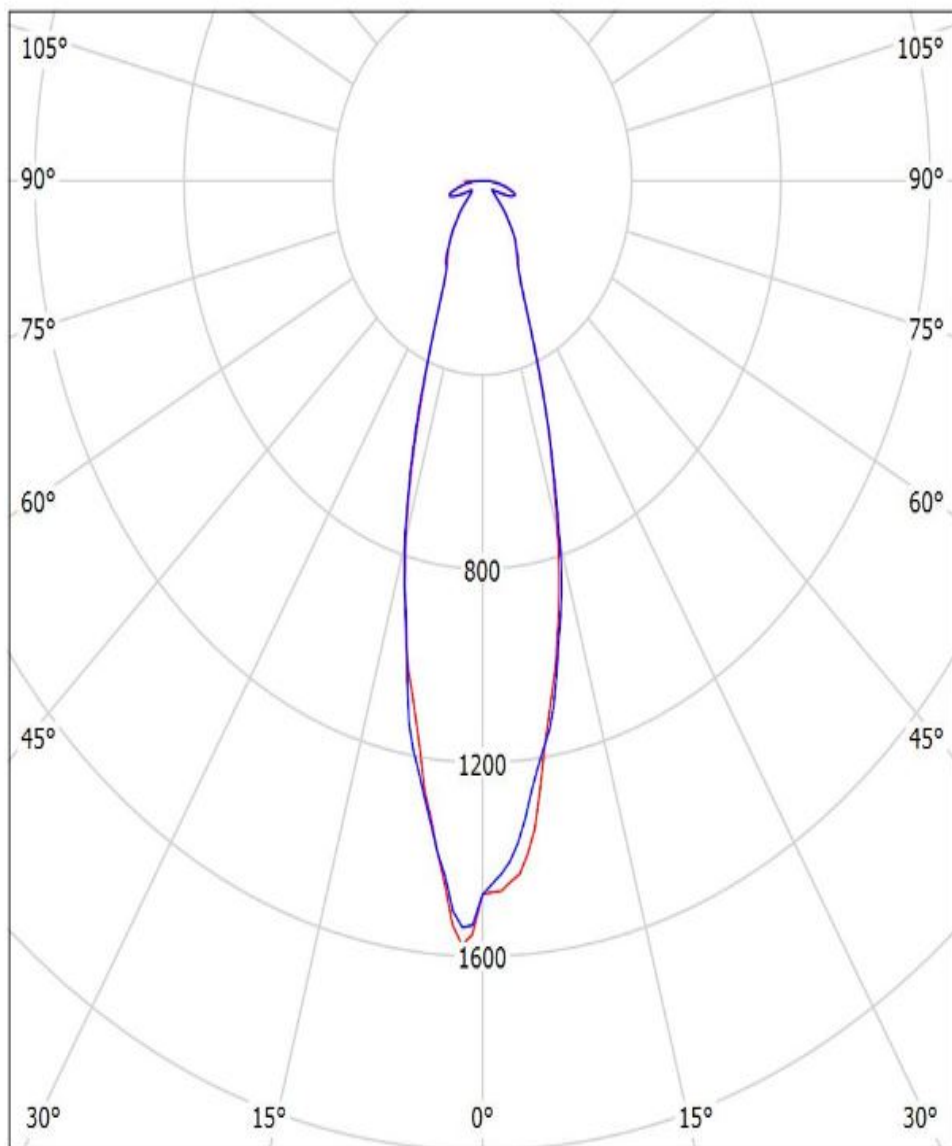


cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x FN15188_STELLA-FRESNEL_Bridgelux_V22_Gen7_SIMULATED

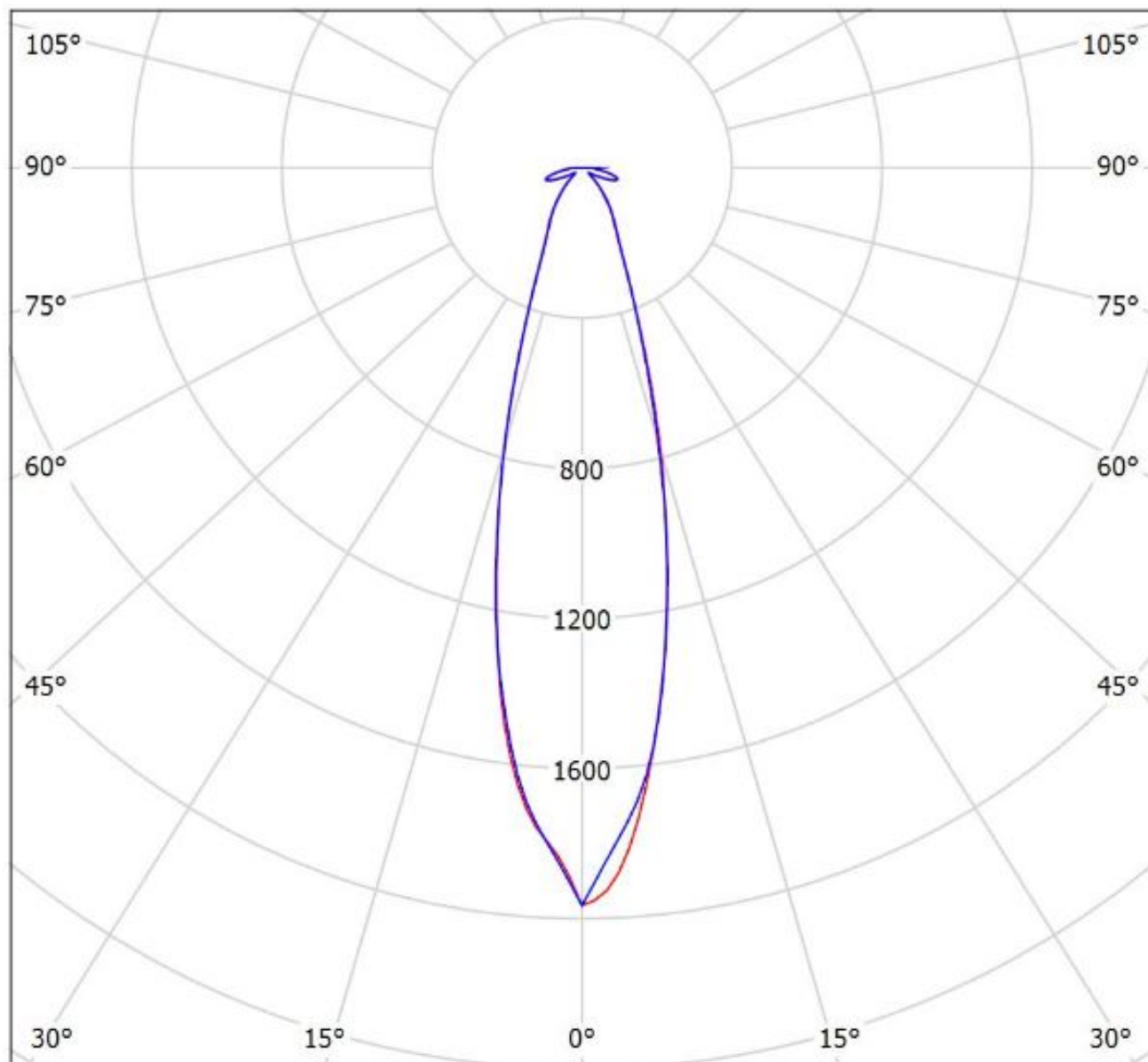


cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: Ledil Oy FN14720_STELLA-FRESNEL_+_BJB_47_319_2350_BRIDGELUX_V18_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V18 Gen7

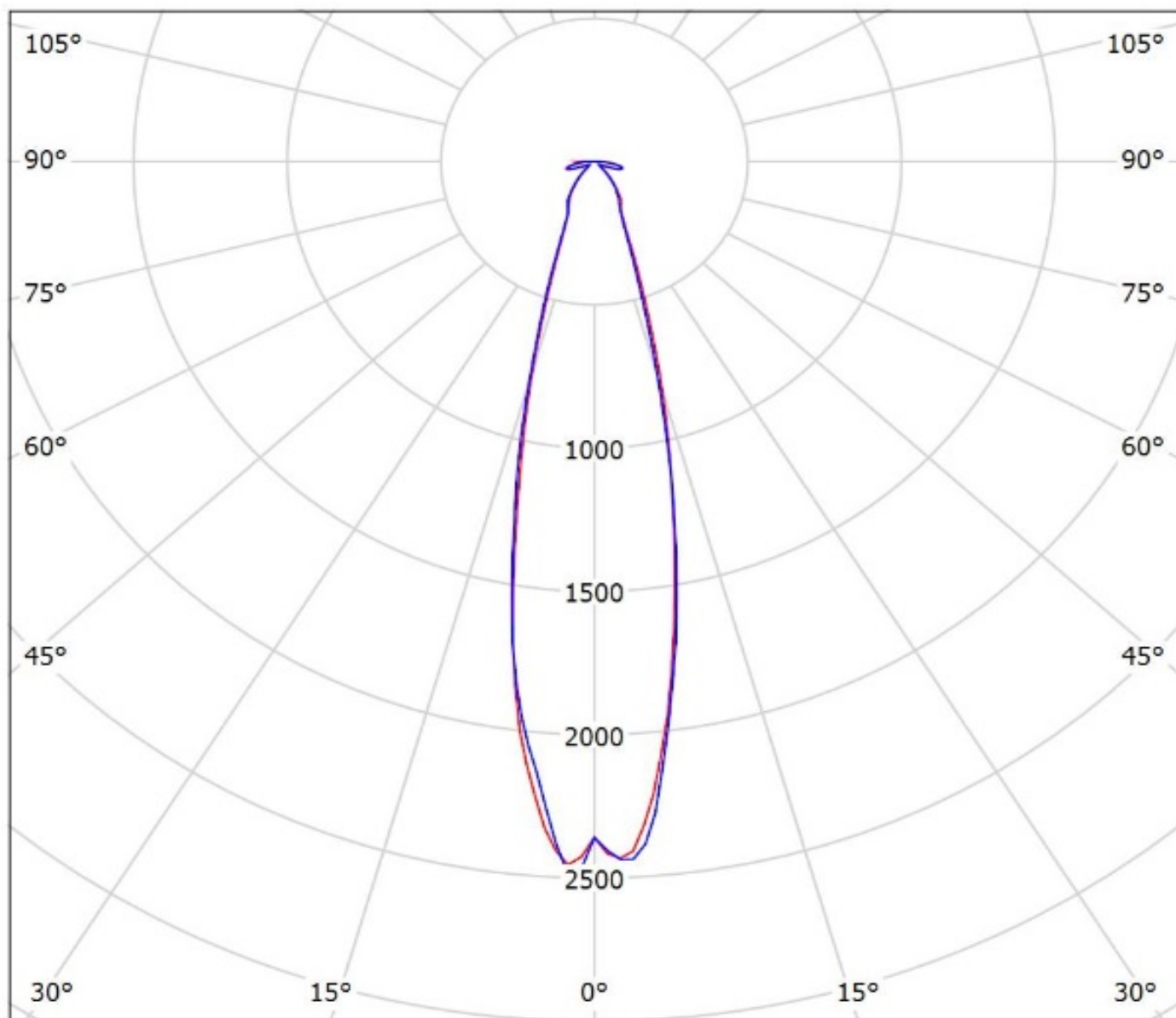


cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_(CXA2590)_SIMULATED
Lamps: 1 x Cree CXA2590

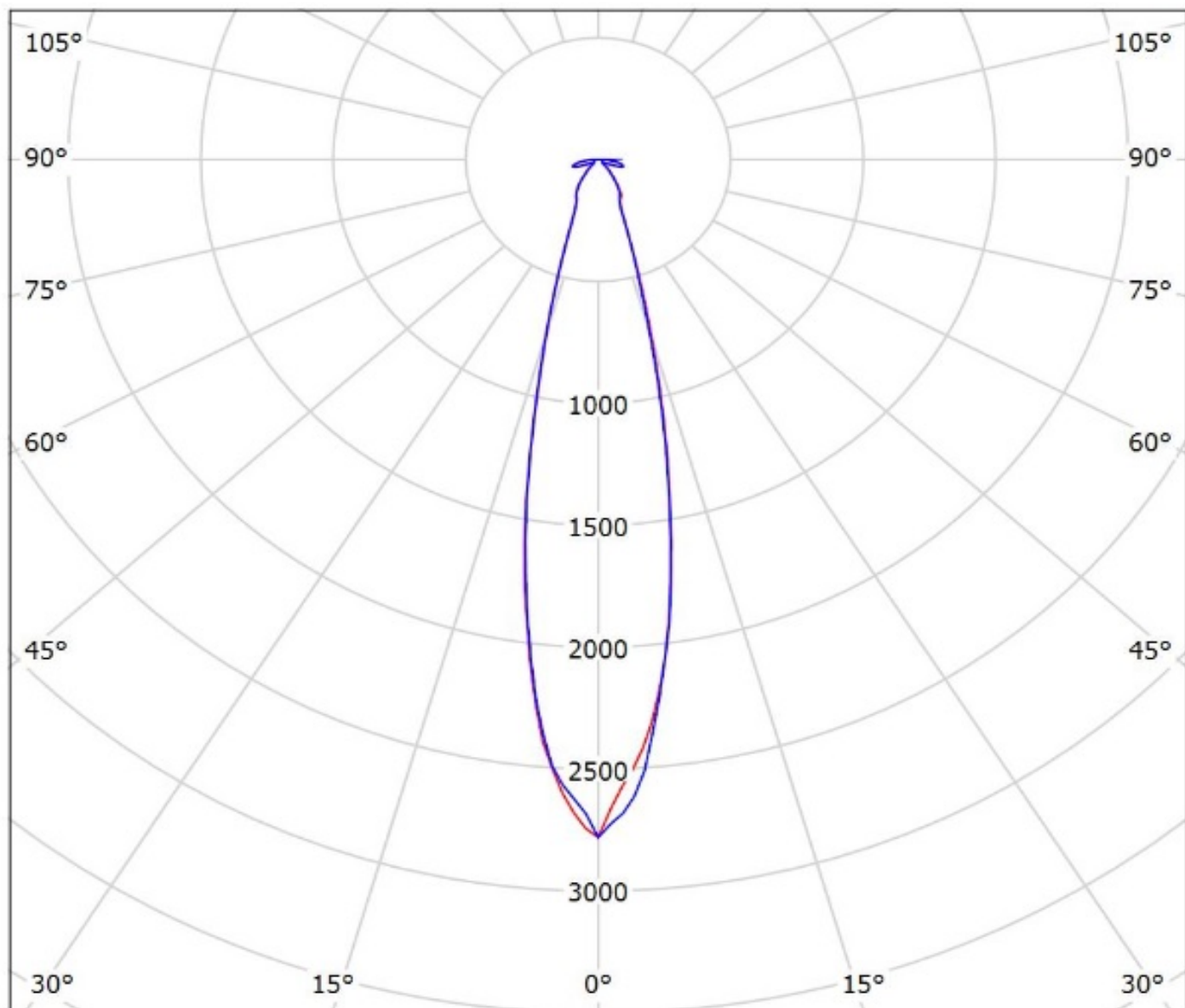


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil Oy FN15188_STELLA-FRESNEL_(Luxeon_CoB_1208)_SIMULATED
Lamps: 1 x Lumileds Luxeon CoB 1208



cd/klm

— C0 - C180

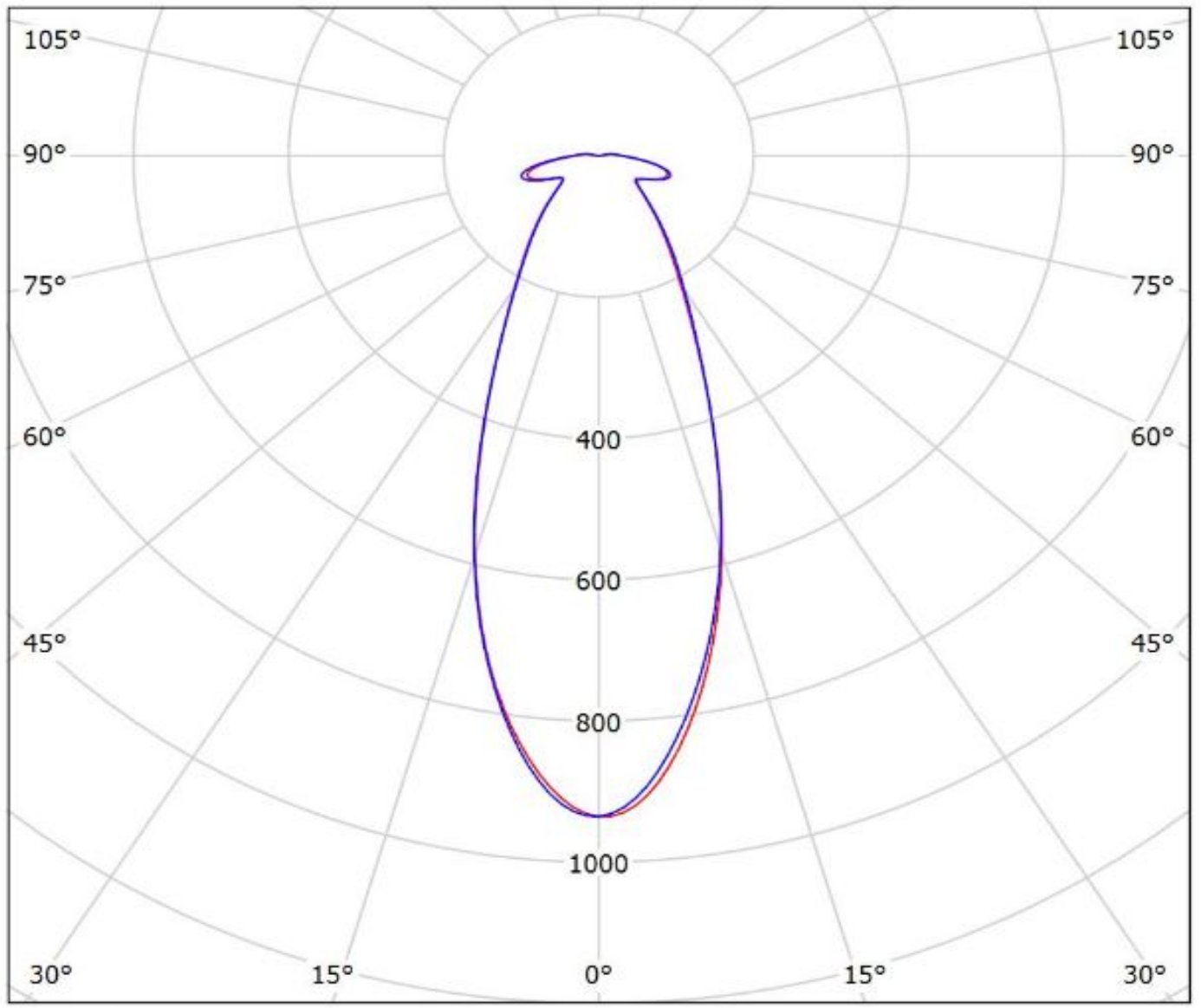
— C90 - C270

$\eta = 85\%$

Luminaire: Ledil FN15188_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



cd/klm

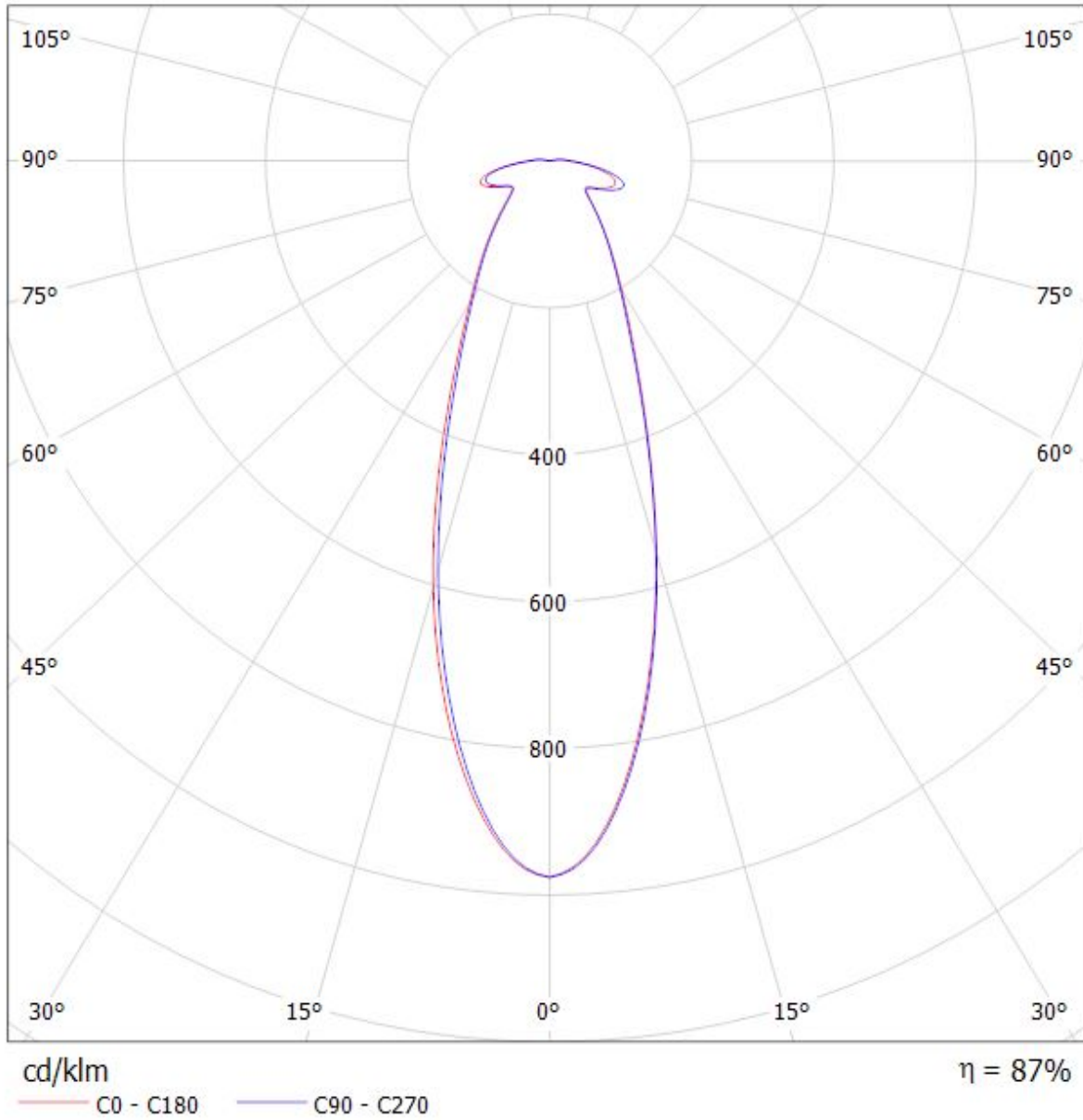
— C0 - C180

— C90 - C270

$\eta = 88\%$

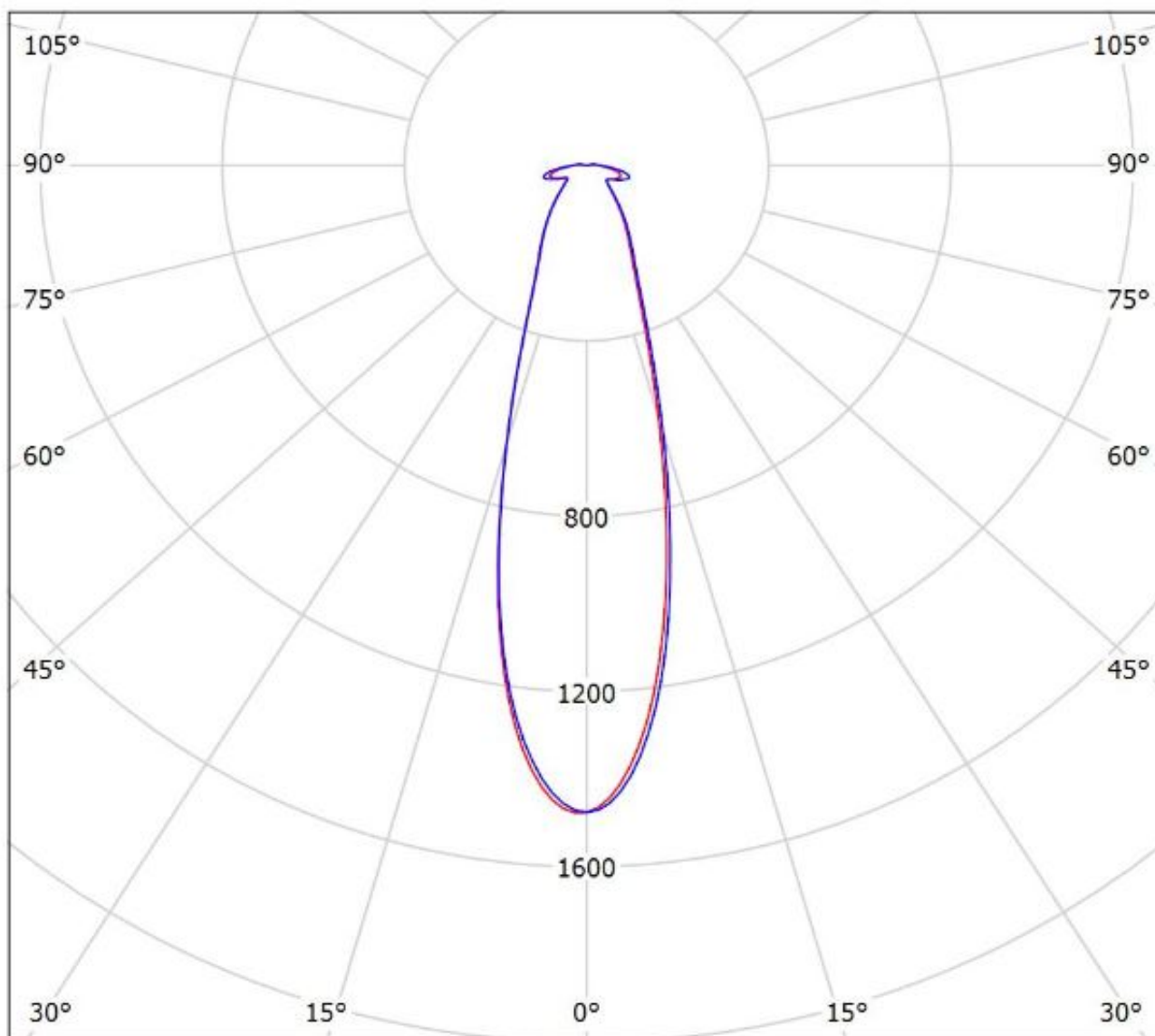
Luminaire: Ledil FN15188_STELLA-FRESNEL_(MJT_80W_Les22)_+Ideal_50-2204CT

Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)_+Ideal_50-2204CT_2497.65lm@250mA_P=13.3118W_I=0.25A



Luminaire: Ledil FN15188_STELLA-FRESNEL_(MJT_30W_Les14,5)_+50-2103CT

Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_50-2103CT_1339.05lm@250mA_P=8.2275W_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

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.