

DETAILS

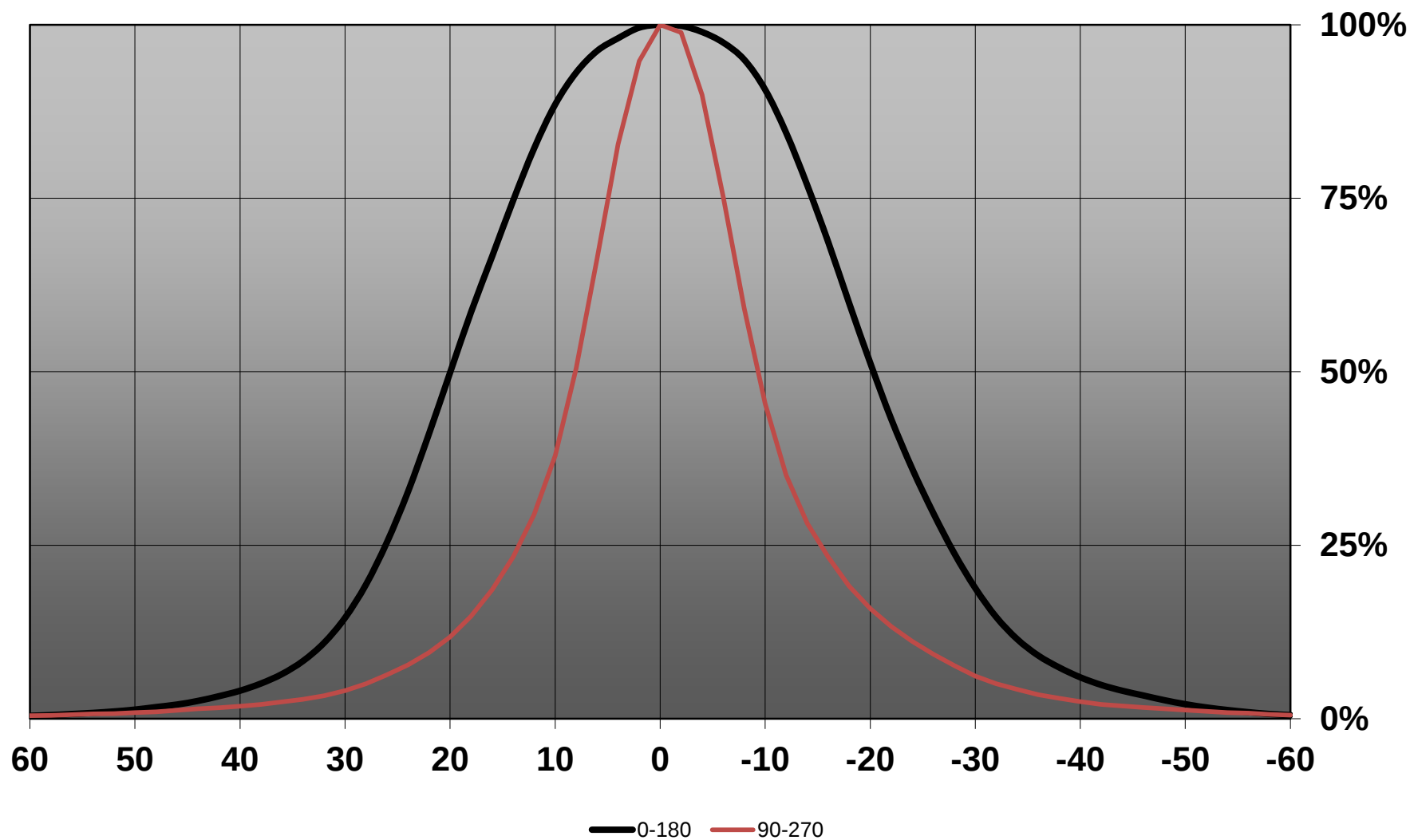
Product Number	CP12942_LARISA-O-CLIP8
Family	Larisa
Type	Assembly
Color	black
Diameter	9,9 + 9,9 mm
Height	7,5 mm
Style	square
Optic Material	PMMA
Holder Material	PC
Fastening	clips
Status	ready
ROHS Compliant	Yes
Date Updated	19/03/2015



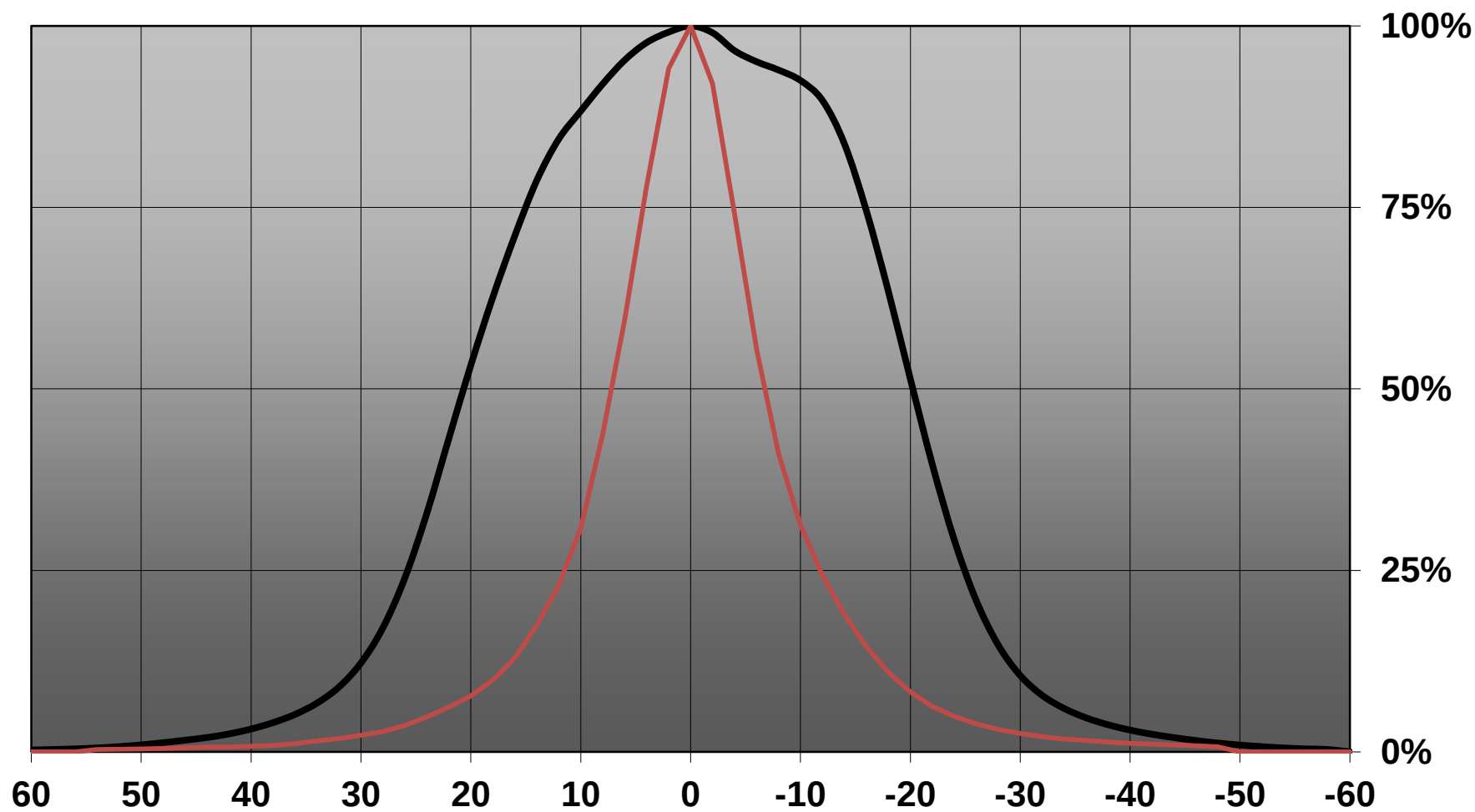
OPTICAL PROPERTIES

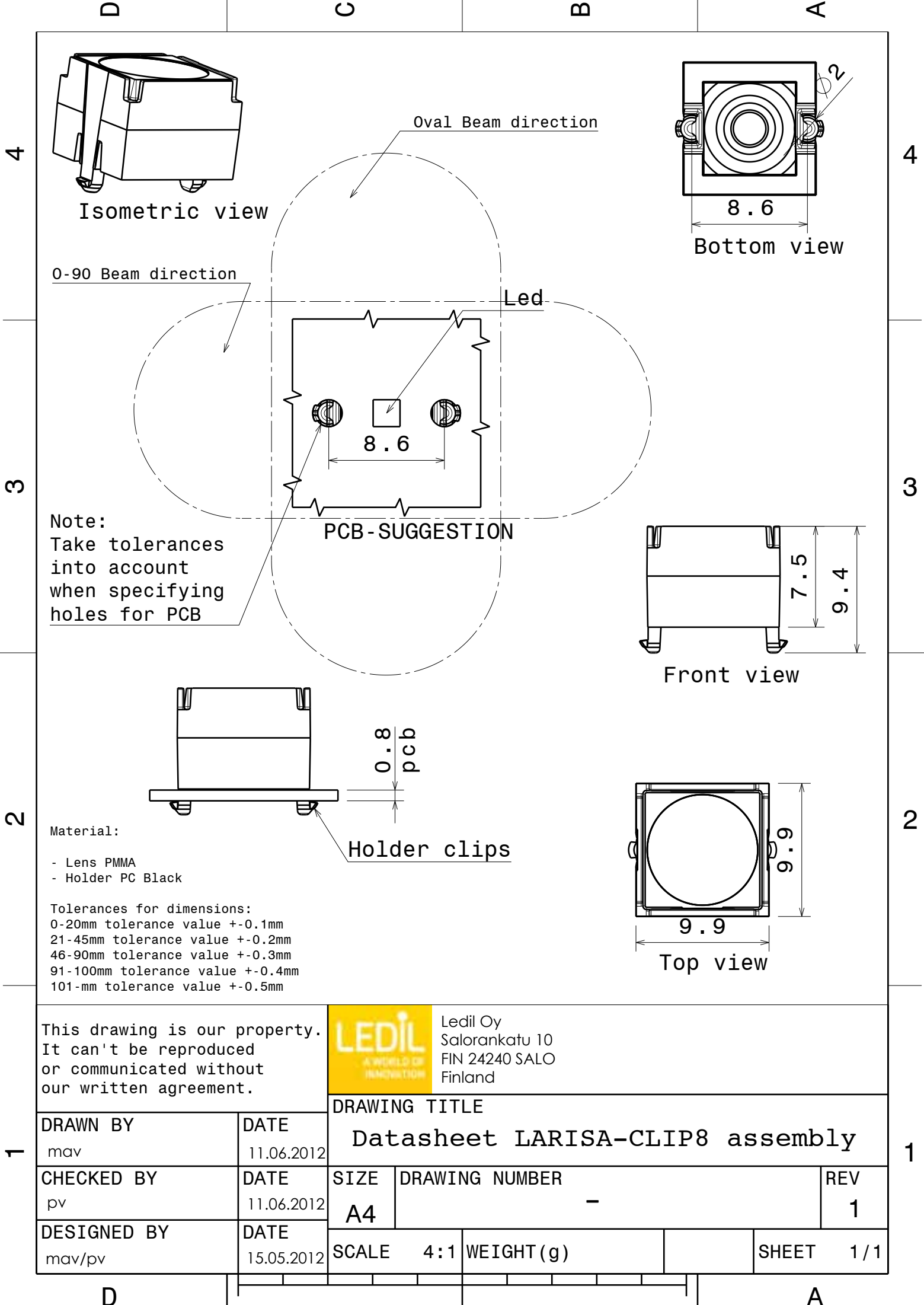
LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
Duris S5 (2 chip)	26+41 deg	Oval	85 %	1.800	-
H35B0 (LEMWA32)	38+22 deg	Oval	82 %	2.200	-
Oslon SSL 150	39+19 deg	Oval	84 %	2.900	-
H35C0 (LEMWA33)	39+27 deg	Oval	81 %	1.840	-
XB-D	39+21 deg	Oval	79 %	2.200	-
XP-G	39+25 deg	Oval	83 %	2.050	-
LUXEON A	39+26 deg	Oval	81 %	1.900	-
LUXEON Rebel ES	39+25 deg	Oval	82 %	2.000	-
Oslon SSL 80	40+17 deg	Oval	77 %	2.530	-
LUXEON Z ES	40+18 deg	Oval	86 %	2.800	-
NVSxx19A	40+24 deg	Oval	79 %	1.850	-
Oslon Square EC	40+22 deg	Oval	78 %	1.950	-
LUXEON Rebel	40+18 deg	Oval	84 %	2.700	-
LUXEON Rebel Plus	40+19 deg	Oval	83 %	2.600	-
XQ-E	40+17 deg	Oval	82 %	2.800	-
NF2x757A	41+33 deg	Oval	78 %	1.950	-
NCSxx19A	41+19 deg	Oval	81 %	2.250	-
LUXEON Z	41+14 deg	Oval	81 %	3.540	-

Relative intensity of CP12942_LARISA-O-CLIP8_(SSL80)



Relative intensity of CP12942_LARISA-O-CLIP8_(Luxeon Z)





Note:
Take tolerances
into account
when specifying
holes for PCB

- Material:
- Lens PMMA
 - Holder PC Black

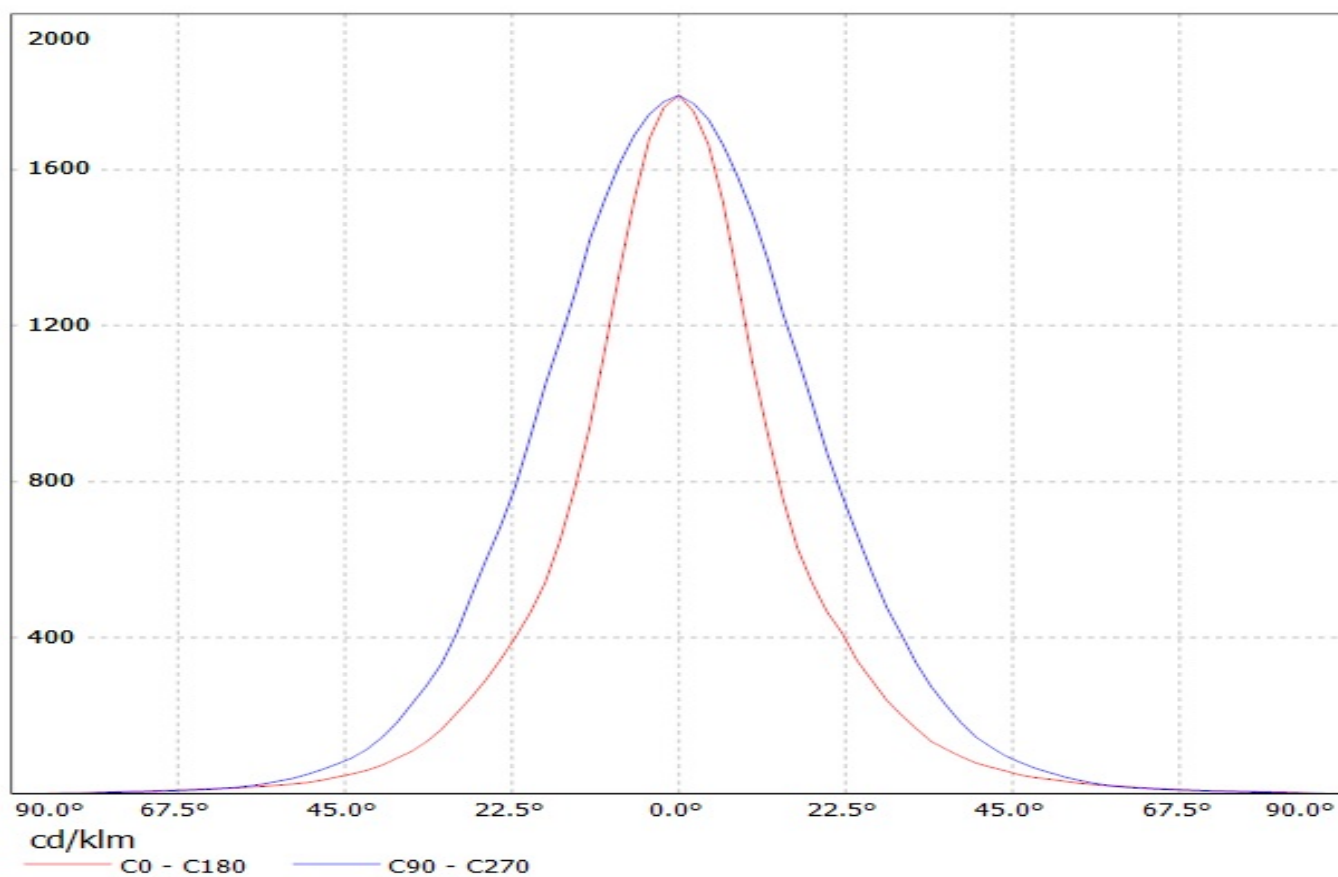
Tolerances for dimensions:
0-20mm tolerance value $\pm 0.1\text{mm}$
21-45mm tolerance value $\pm 0.2\text{mm}$
46-90mm tolerance value $\pm 0.3\text{mm}$
91-100mm tolerance value $\pm 0.4\text{mm}$
101-mm tolerance value $\pm 0.5\text{mm}$



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

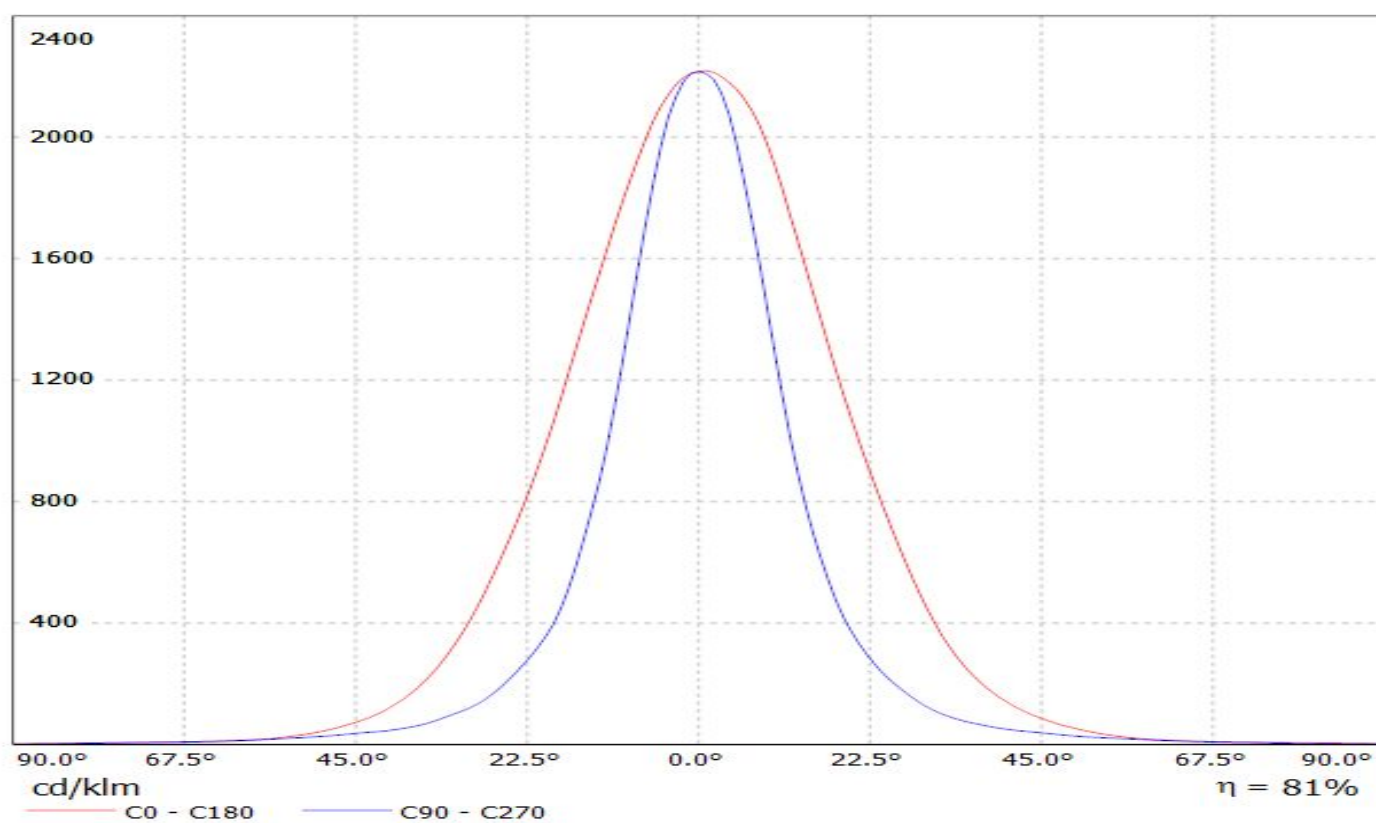
DRAWING TITLE				
Datasheet LARISA-CLIP8 assembly				
DRAWN BY mav	DATE 11.06.2012	SIZE A4	DRAWING NUMBER -	REV 1
CHECKED BY pv	DATE 11.06.2012	SCALE 4:1		WEIGHT (g)
DESIGNED BY mav/pv	DATE 15.05.2012	SHEET 1 / 1		

Luminaire: LEDil Oy CP12942_LARISA-O-CLIP8_(DURIS_S5) Efficiency=79%
Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA

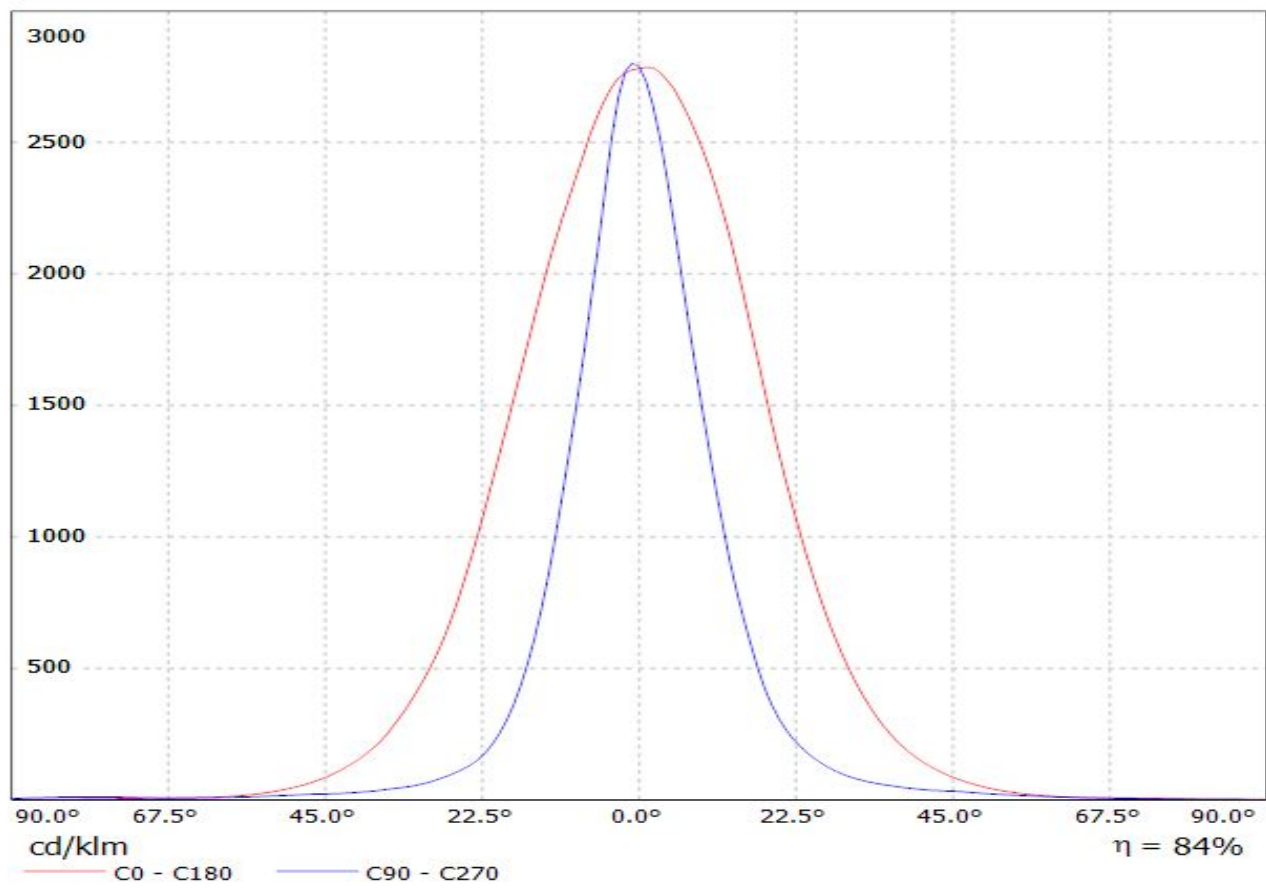


**LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_
(LG3535_2W) Eff.81.5% / LDC (Linear)**

Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_(LG3535_2W) Eff.81.5%
Lamps: 1 x LG3535_2W (97.3629lm@250mA)

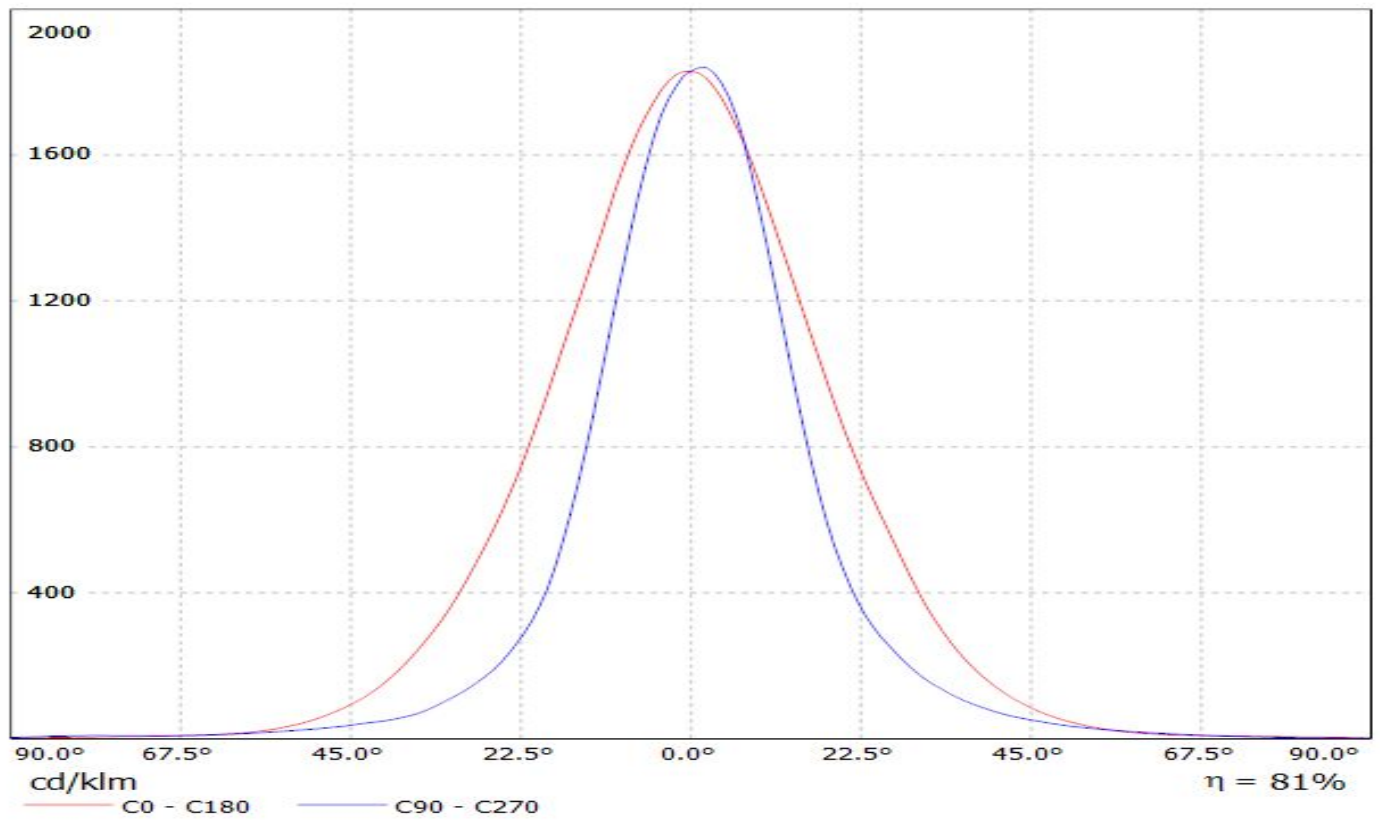


Luminaire: LEDiL Oy LARISA-O_SSL150_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x SSL150 (71.2649lm@250mA)

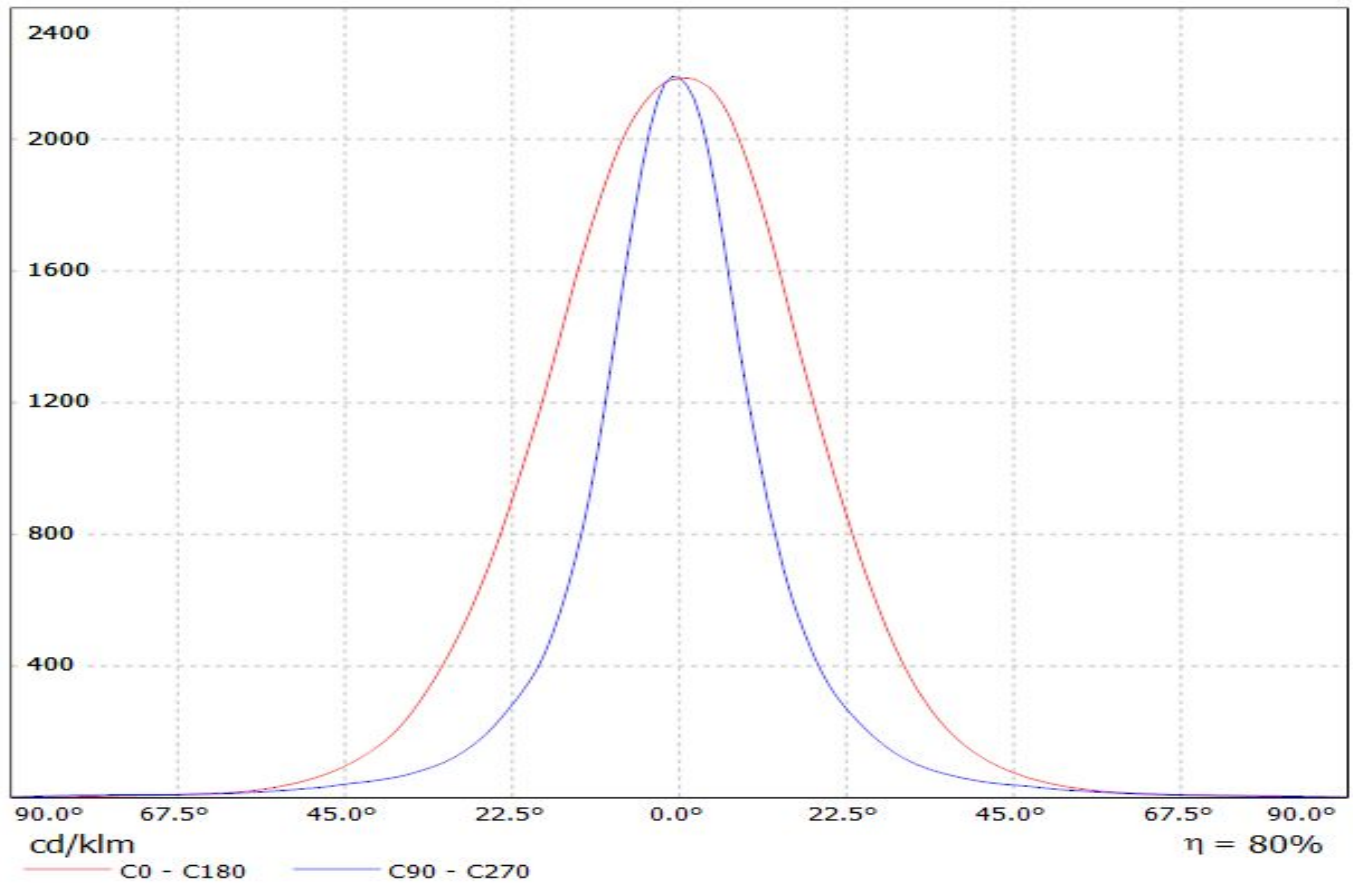


**LEDiL Oy CP12942_LARISA-O-CLIP8_(3535_Ceramic) Eff.80.6% / LDC
(Linear)**

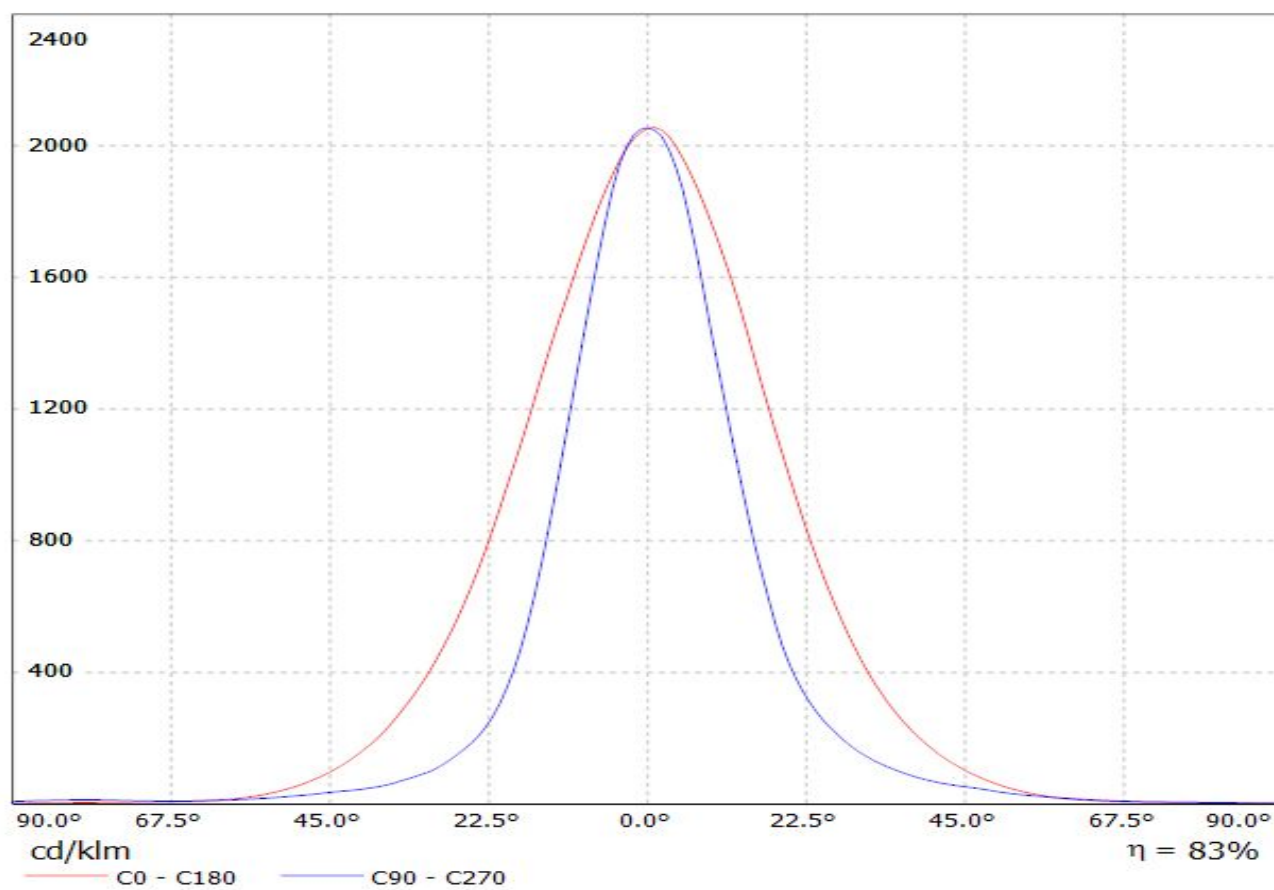
Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(3535_Ceramic) Eff.80.6%
Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



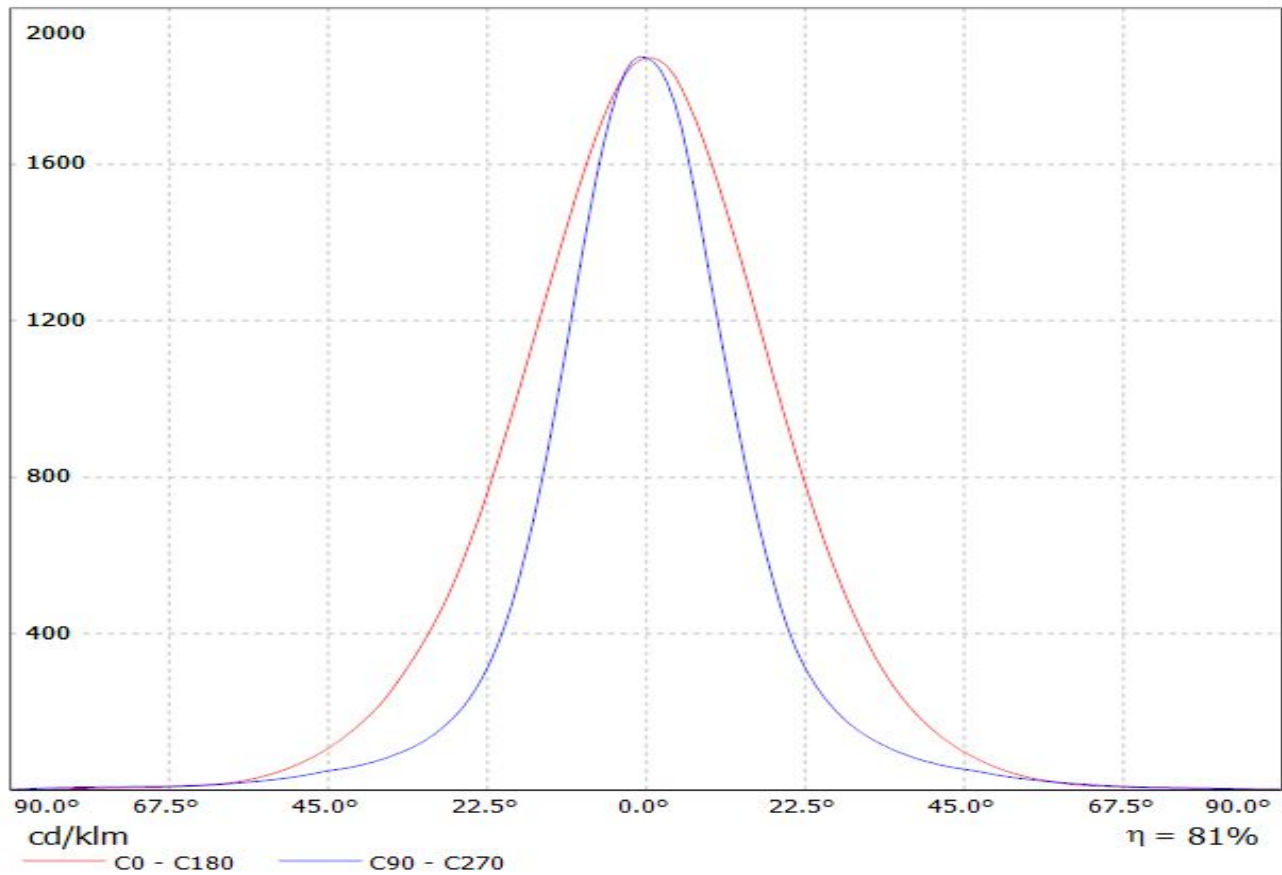
Luminaire: LEDiL Oy LARISA-O_XB-D_(CLIP8&CLIP16) Eff.79.8%
Lamps: 1 x XB-D (91.7428lm@250mA)



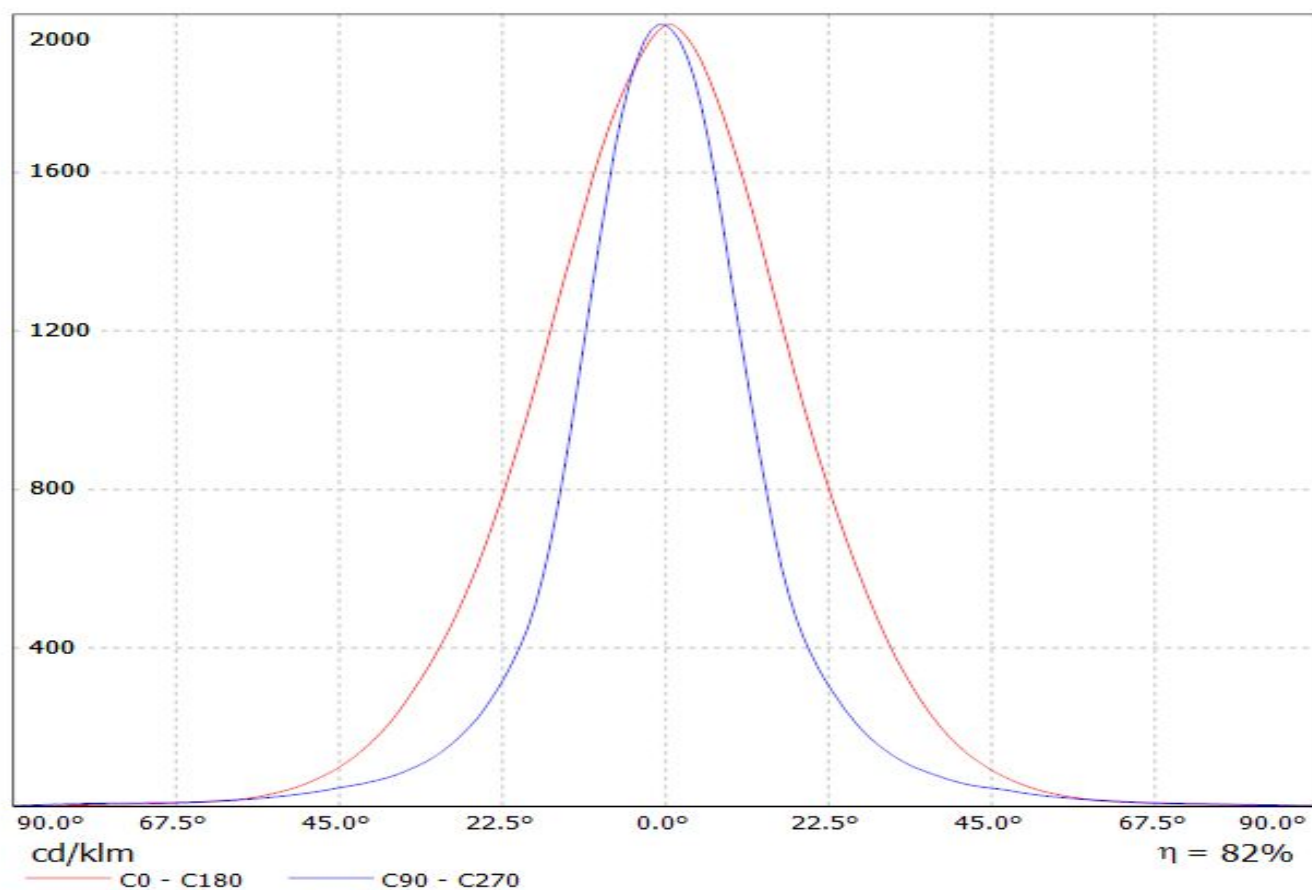
Luminaire: LEDiL Oy LARISA-O_XP-G_(CLIP8&CLIP16) Eff.82.9%
Lamps: 1 x XP-G (62.2075lm@250mA)



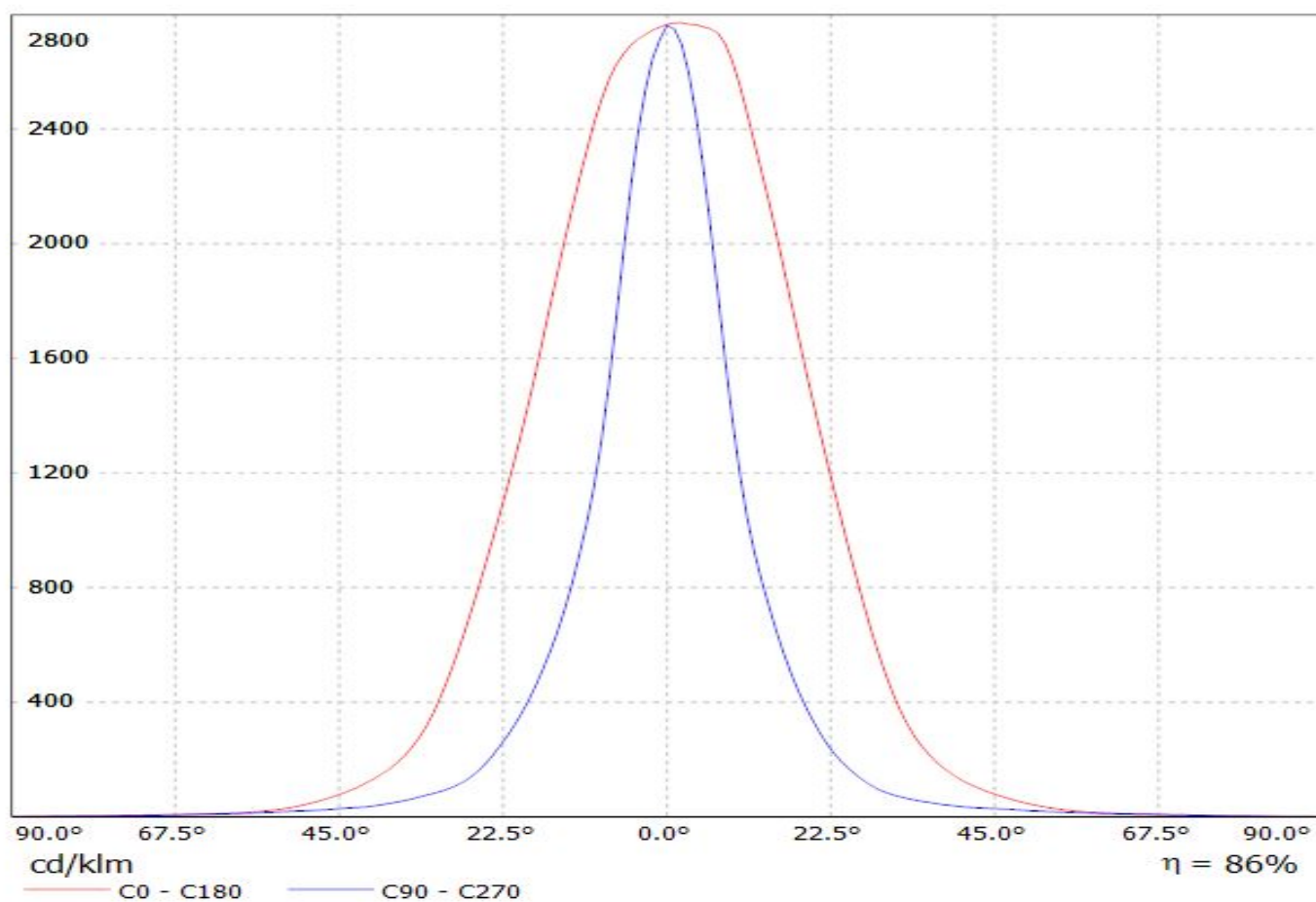
Luminaire: LEDiL Oy LARISA-O_Luxeon_A_(CLIP8&CLIP16) Eff.81.2%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



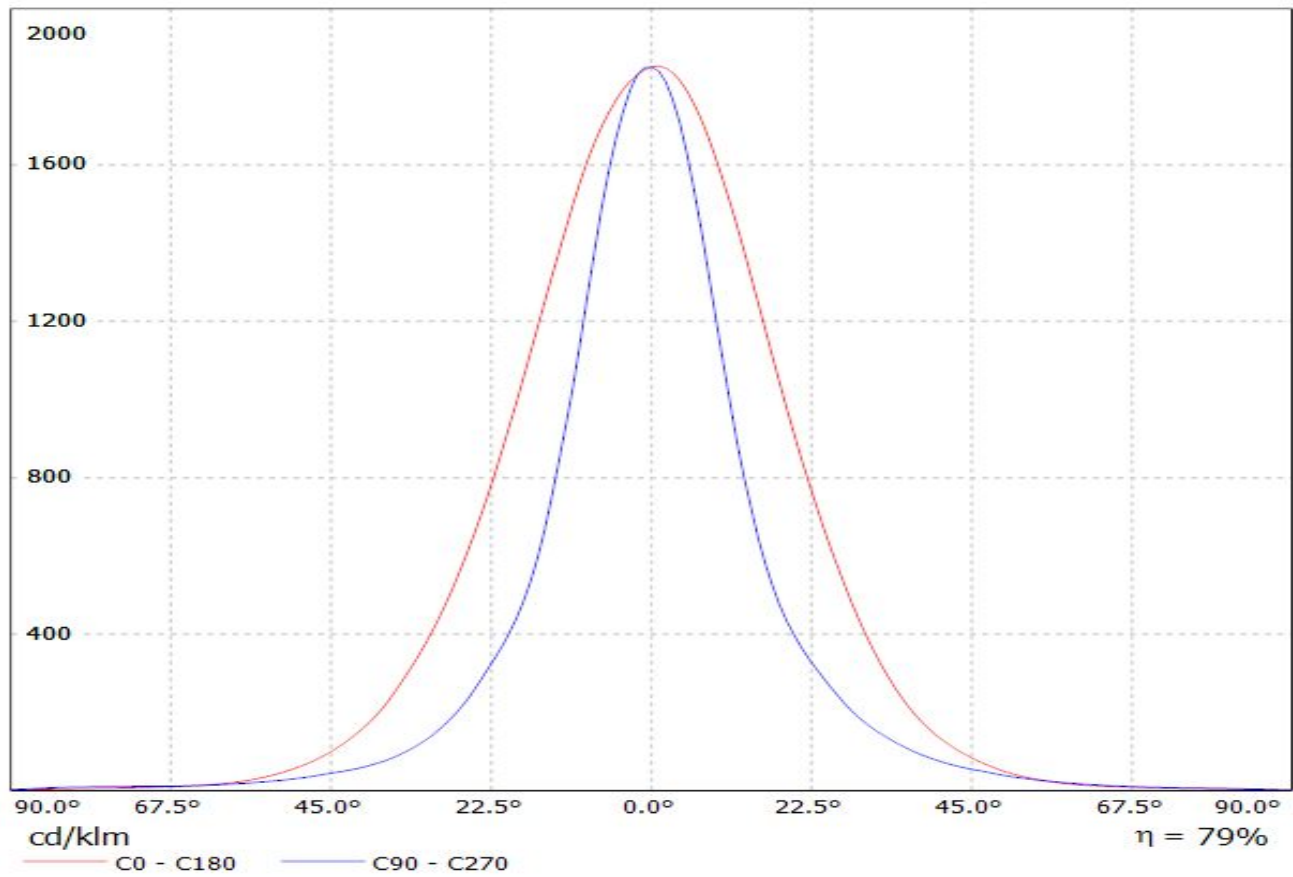
Luminaire: LEDiL Oy LARISA-O_Rebel-ES_(CLIP8&CLIP16) Eff.82.2%
Lamps: 1 x Rebel ES (89.842lm@250mA)



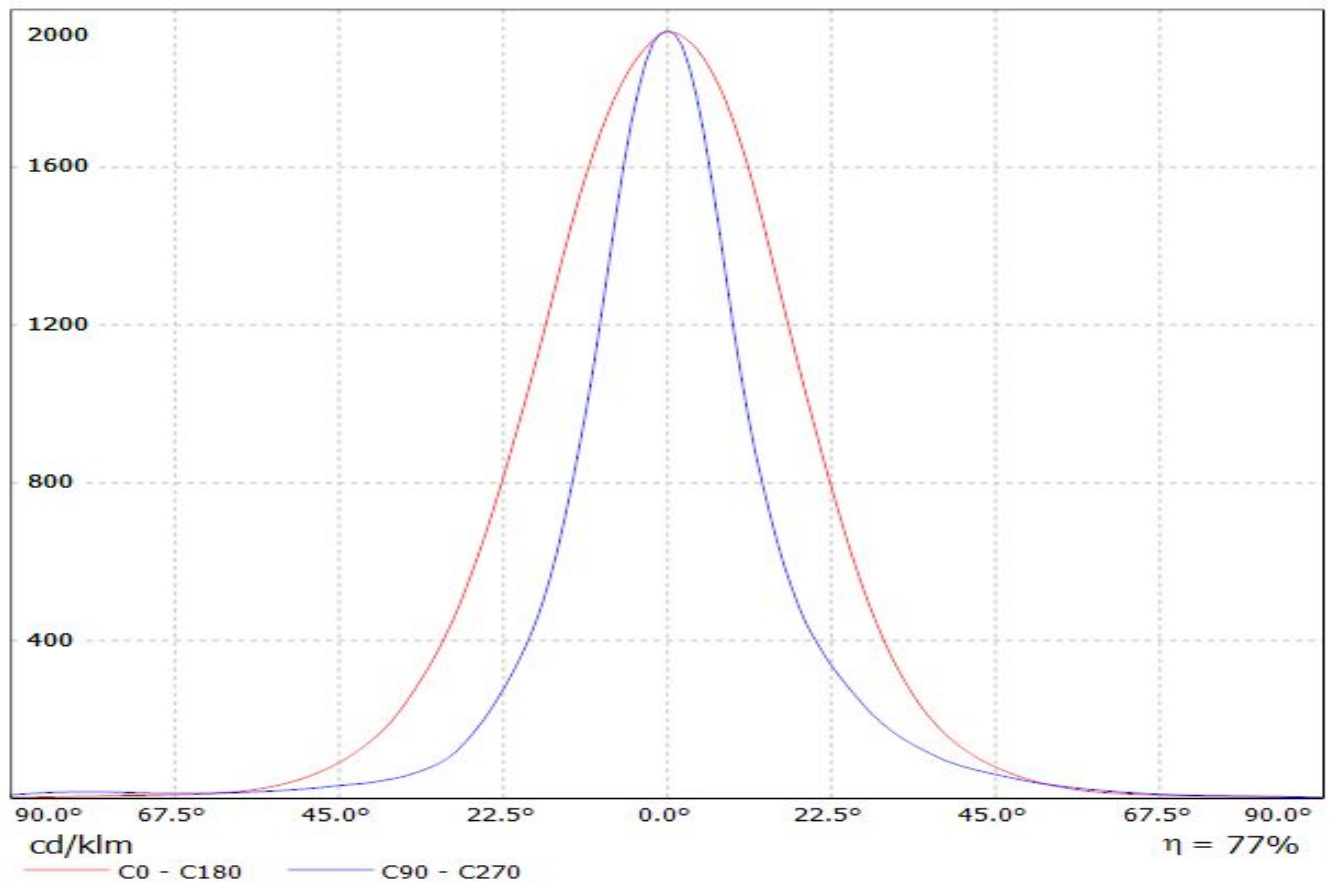
Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA



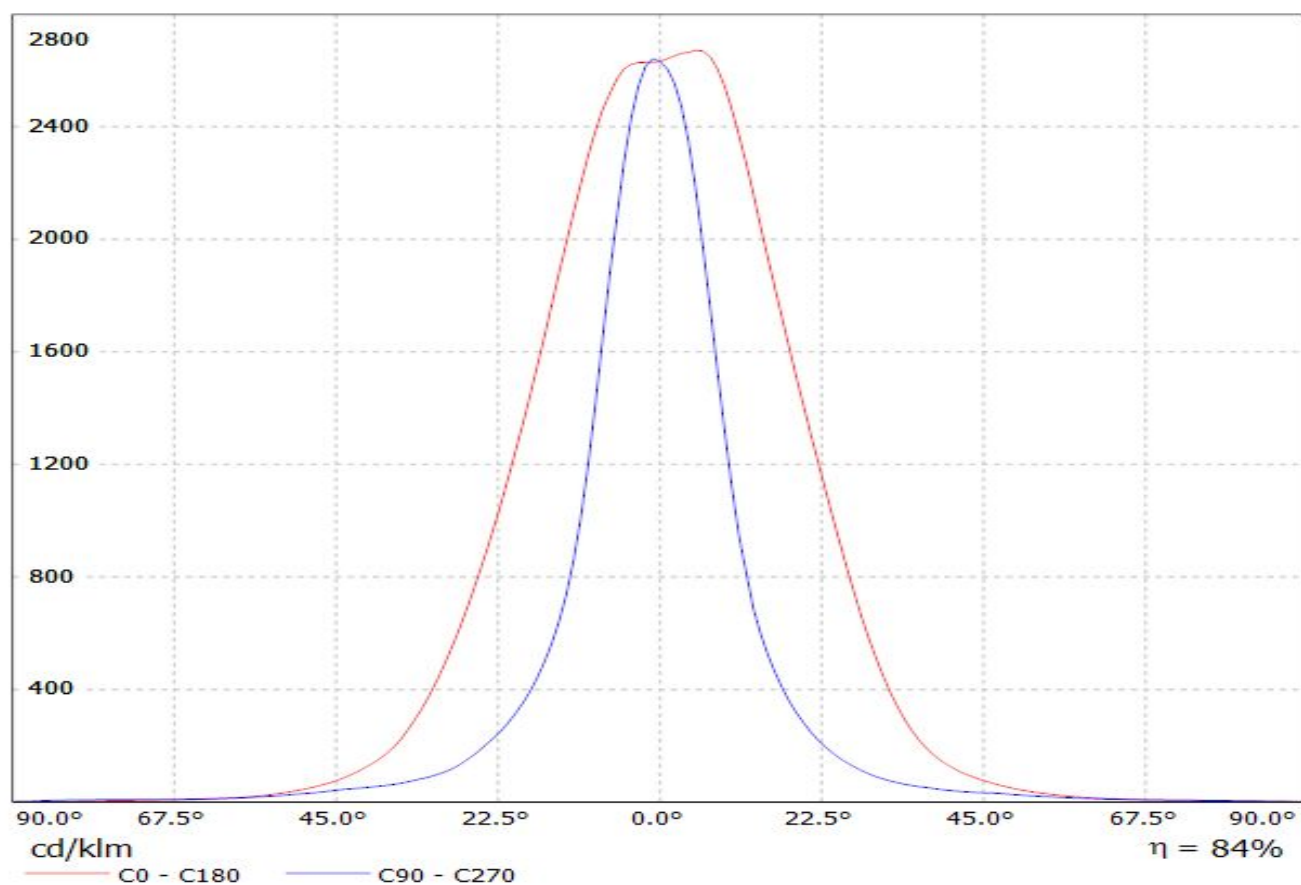
Luminaire: LEDiL Oy LARISA-O_NV519_(CLIP8&CLIP16) Eff.79.2%
Lamps: 1 x NV519 (97.9644lm@250mA)



Luminaire: LEDiL Oy LARISA-O_SQ-EC_(CLIP8&CLIP16) Eff.77.3%
Lamps: 1 x SQ-EC (64.5379lm@250mA)

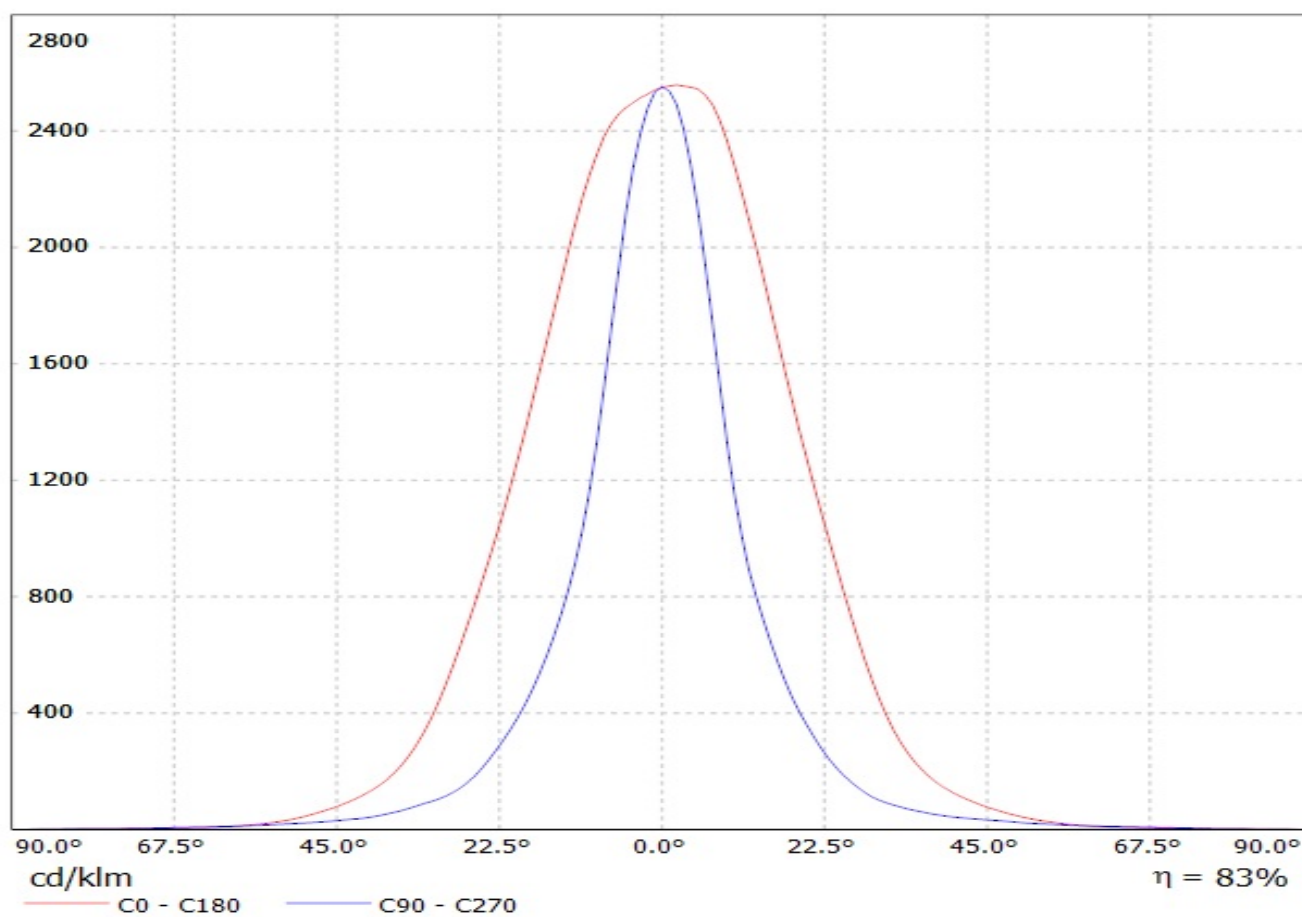


Luminaire: LEDiL Oy LARISA-O_Rebel_(CLIP8&CLIP16) Eff.84.4%
Lamps: 1 x Rebel (80.8775lm@250mA)

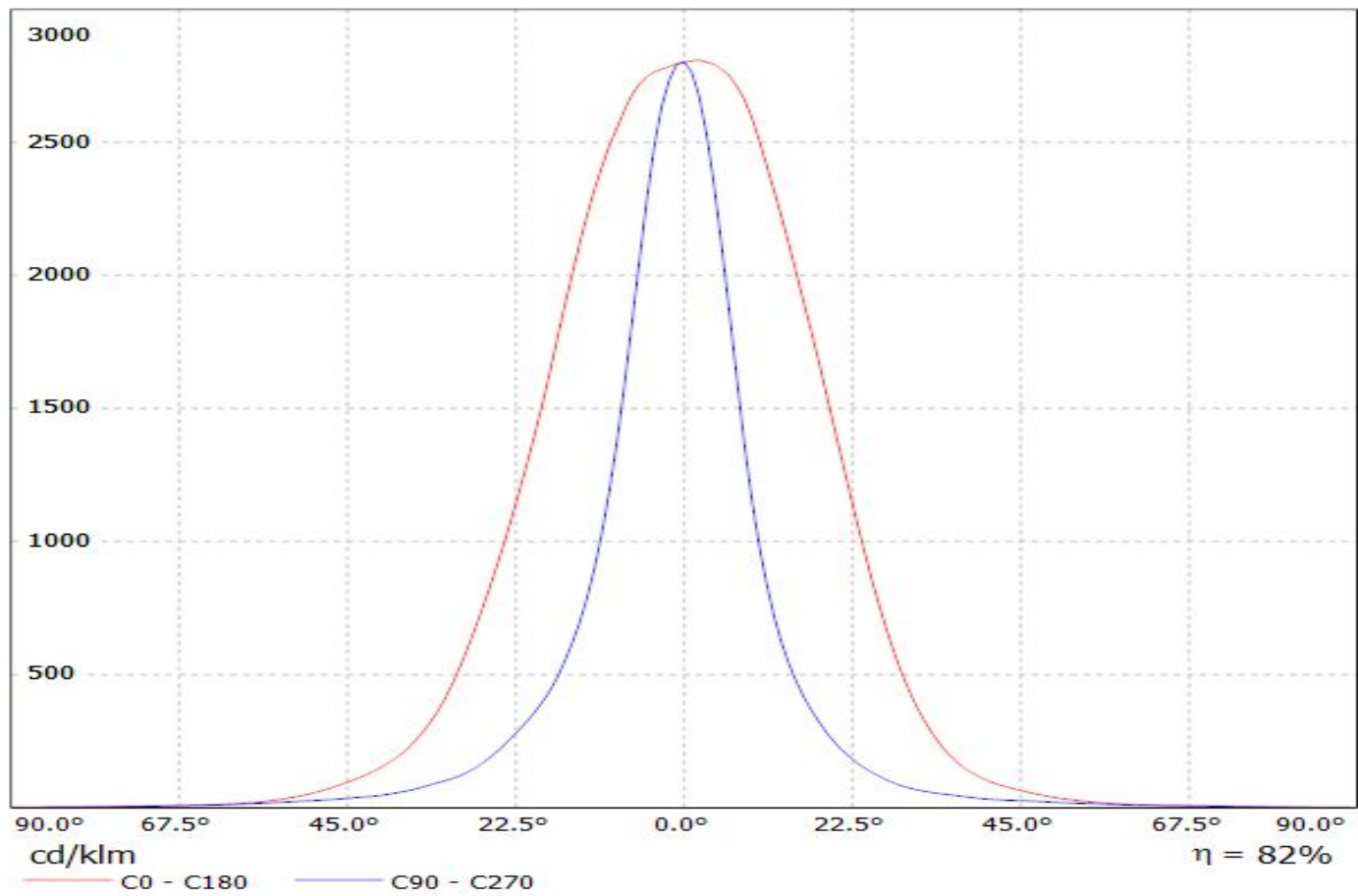


Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(Luxeon_Rebel_Plus)

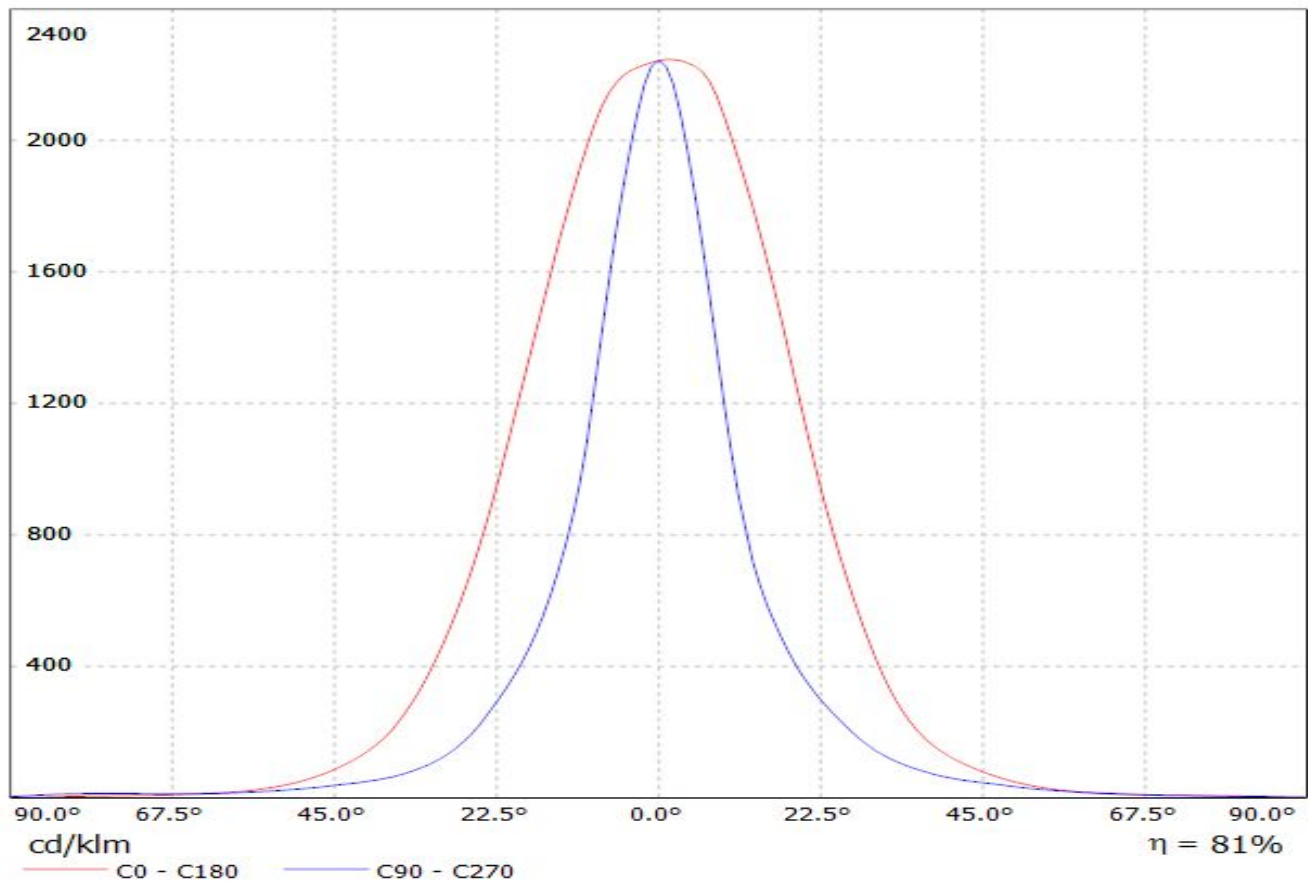
Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_Plus_(LX18-P130-3)_71.4609lm@250lm_P=0.74935W_I=0.2499A



Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(XQ-E)
Lamps: 1 x Cree XQ-E_(XQEAWT-0-7B1-Q40-0H-00001)_81.8467lm@250mA_P=0.765444W_I=250mA

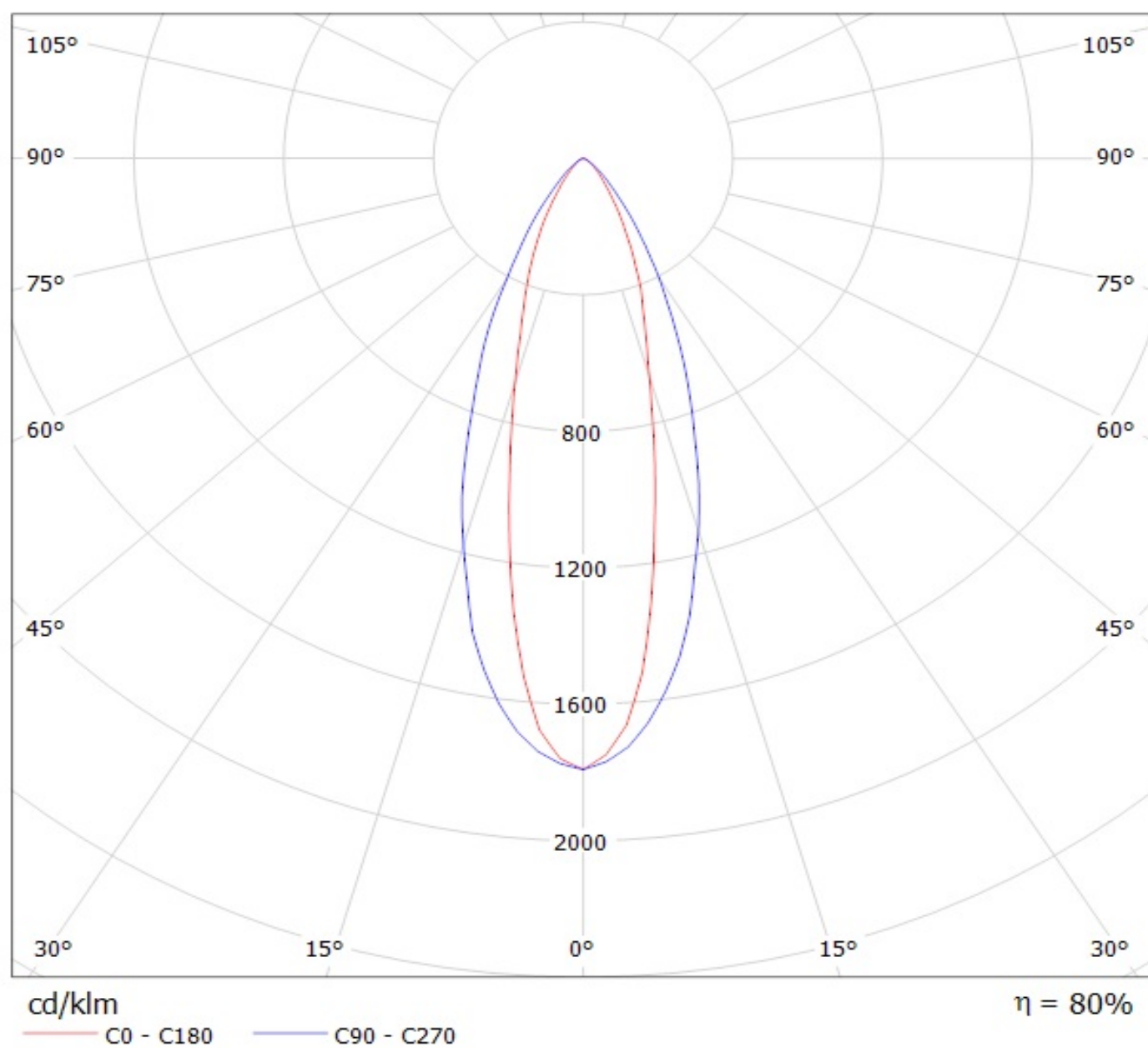


Luminaire: LEDiL Oy LARISA-O_NCS19_(CLIP8&CLIP16) Eff.80.7%
Lamps: 1 x NCS19 (88.2595lm@250mA)



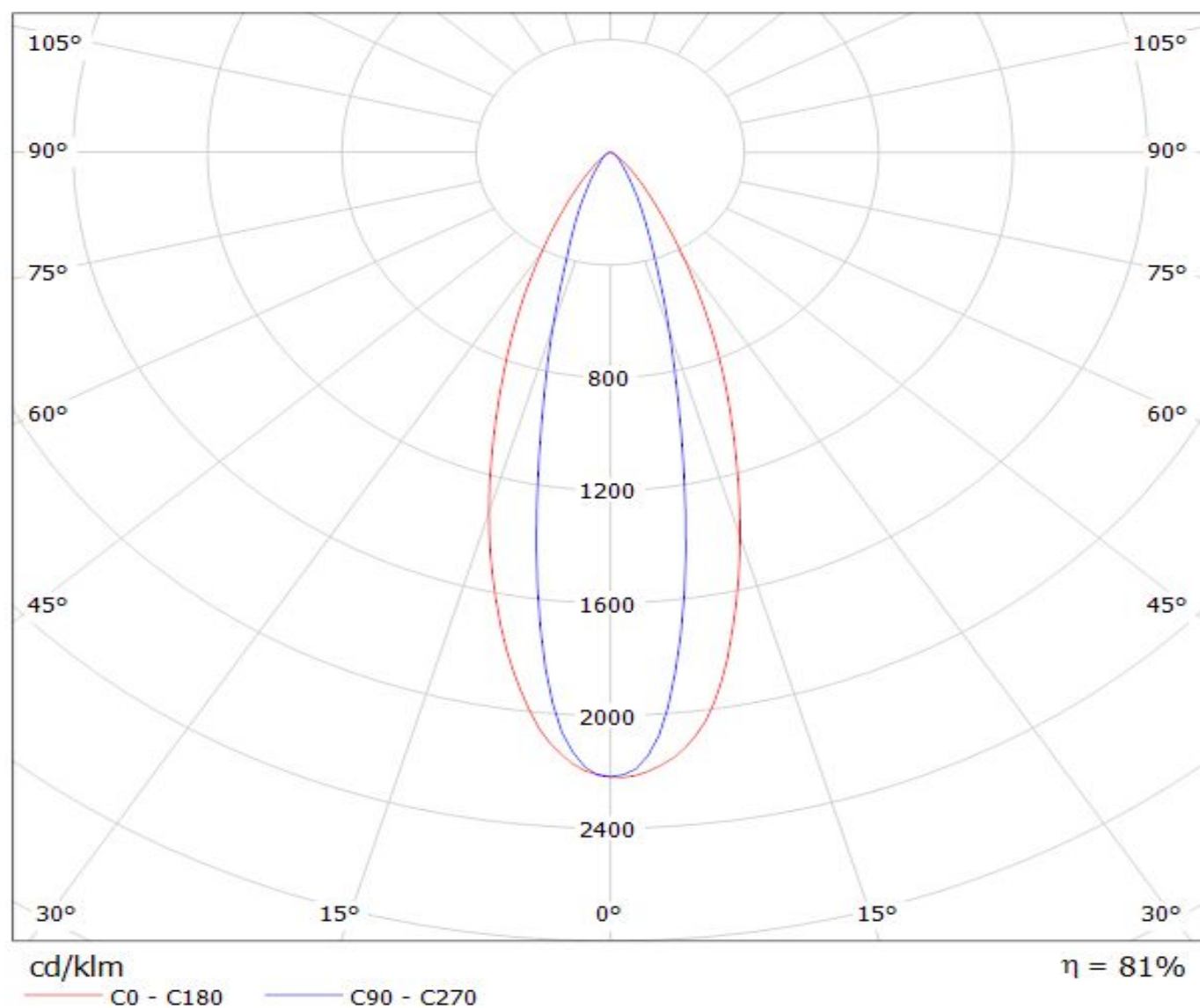
Luminaire: LEDil Oy CP12942_LARISA-O-CLIP8_(DURIS_S5) Efficiency=79%

Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA

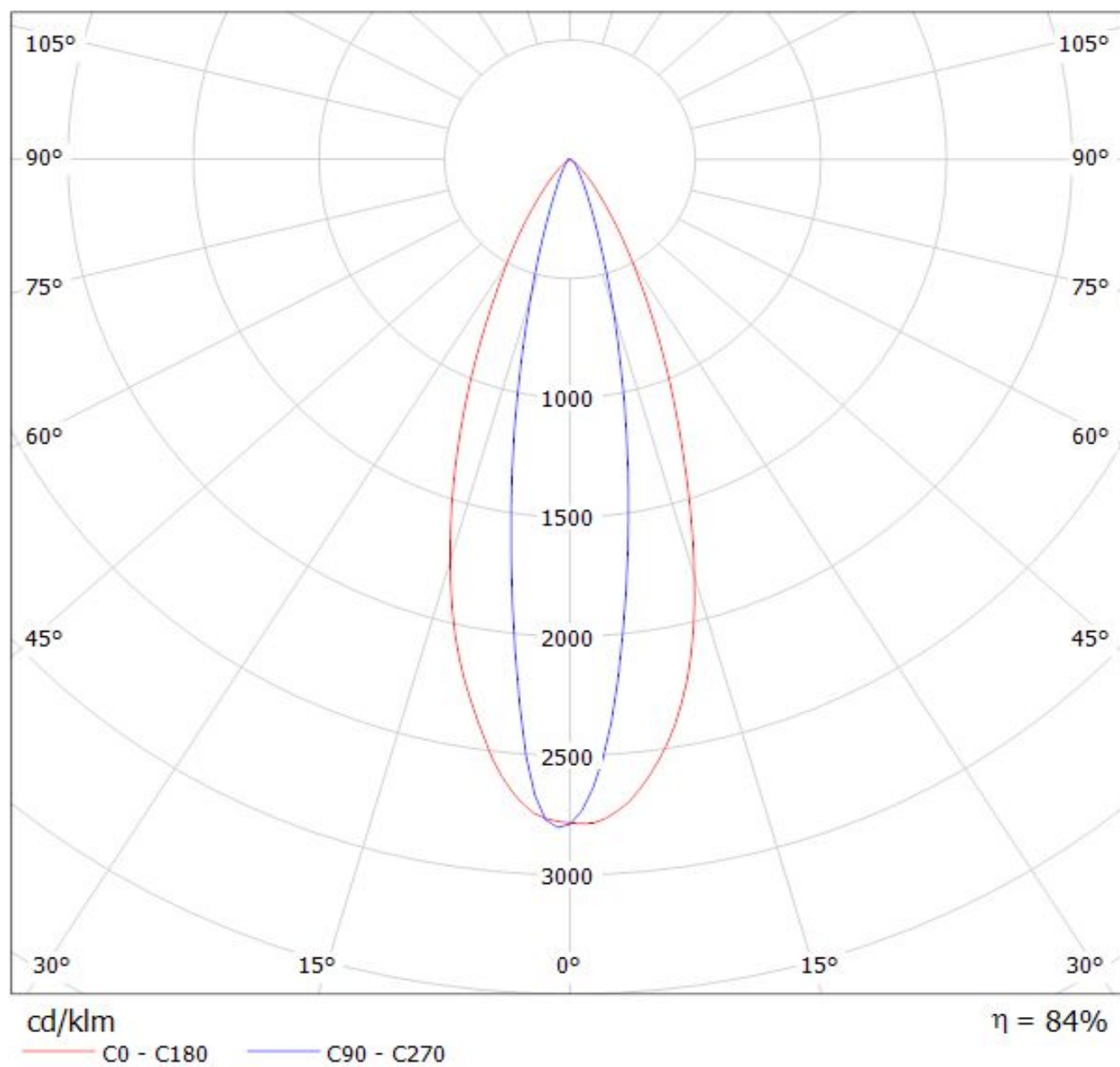


**LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_
(LG3535_2W) Eff.81.5% / LDC (Polar)**

Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_(LG3535_2W) Eff.81.5%
Lamps: 1 x LG3535_2W (97.3629lm@250mA)



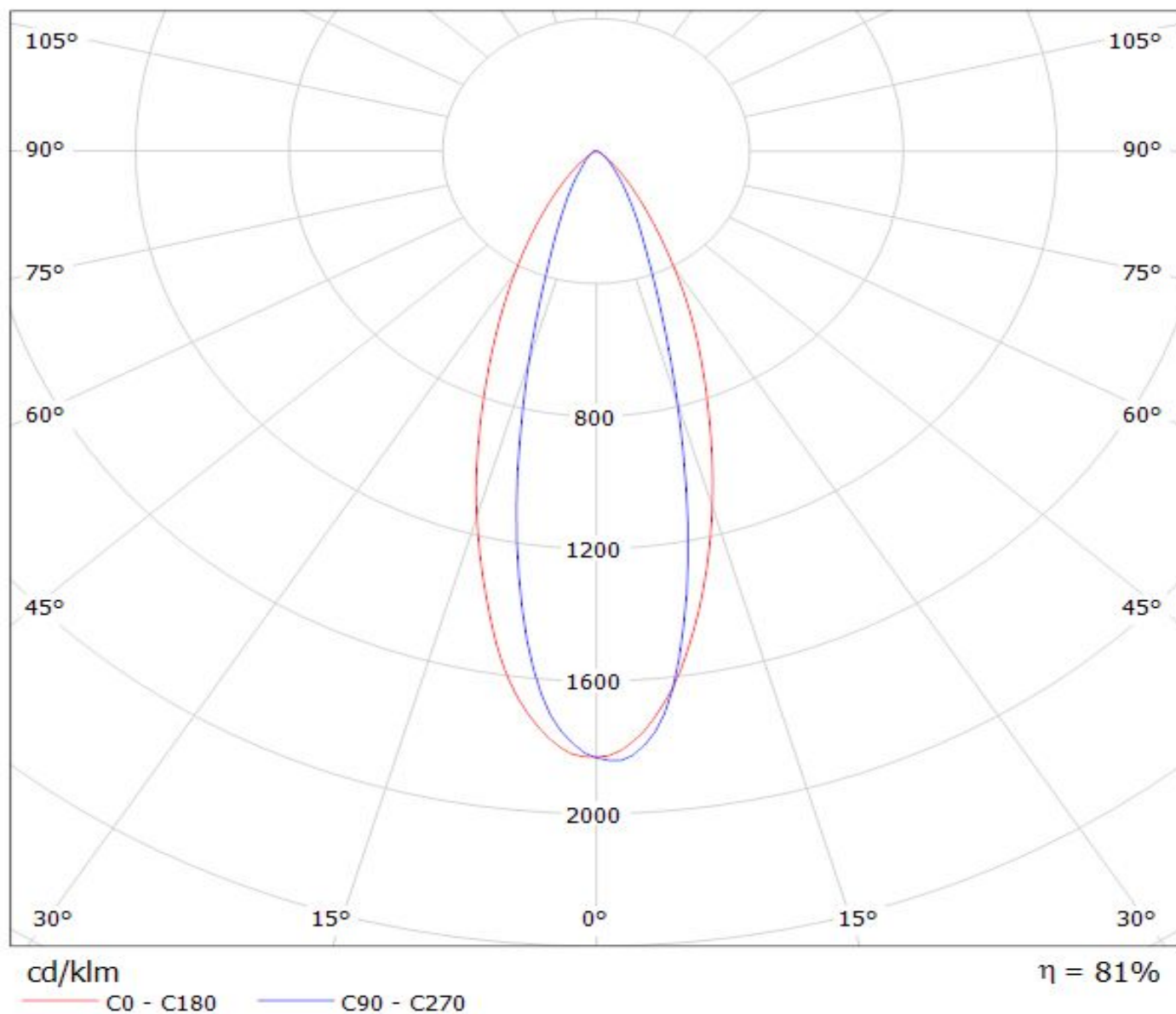
Luminaire: LEDiL Oy LARISA-O_SSL150_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x SSL150 (71.2649lm@250mA)



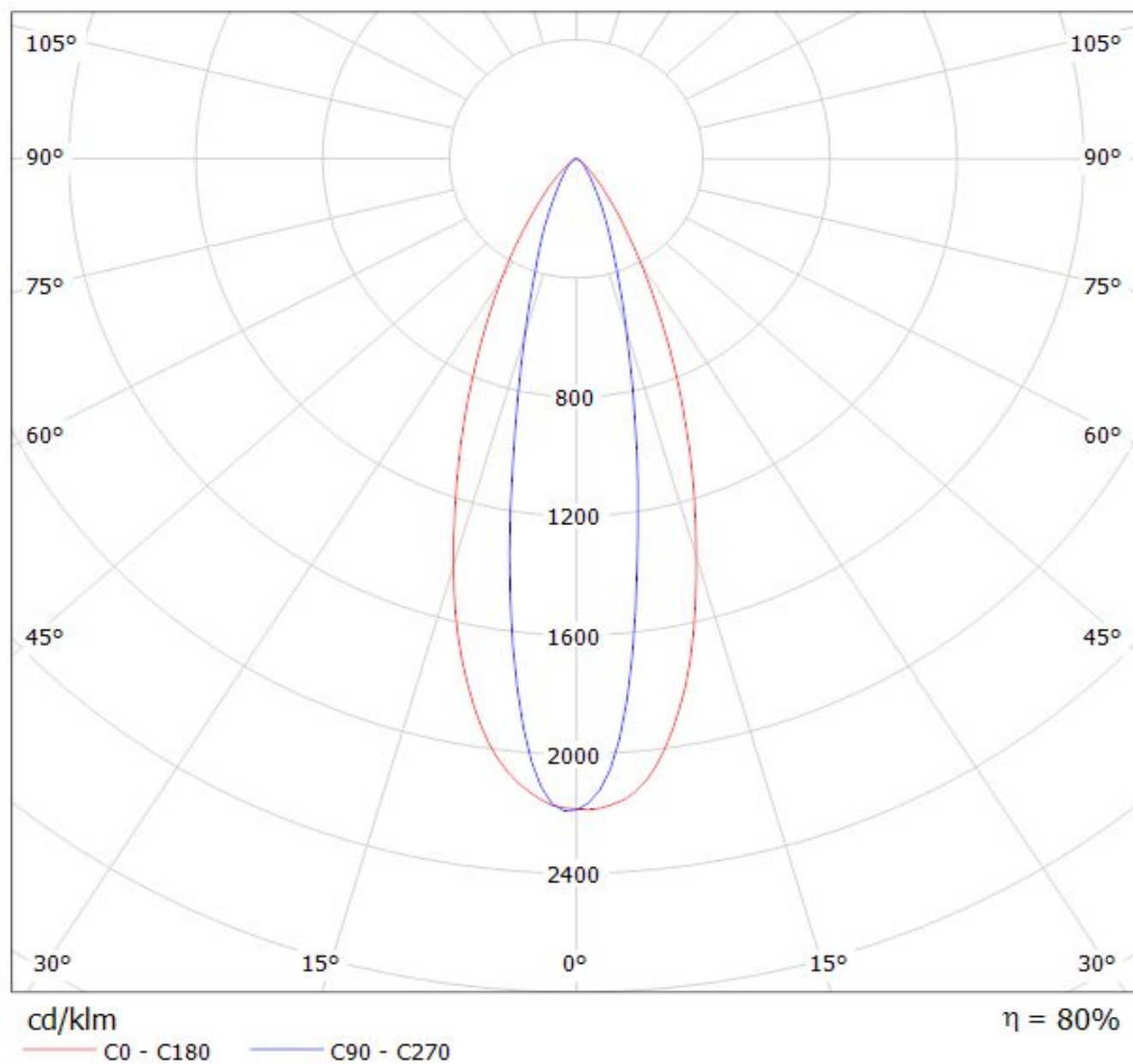
LEDiL Oy CP12942_LARISA-O-CLIP8_(3535_Ceramic) Eff.80.6% / LDC (Polar)

Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(3535_Ceramic) Eff.80.6%

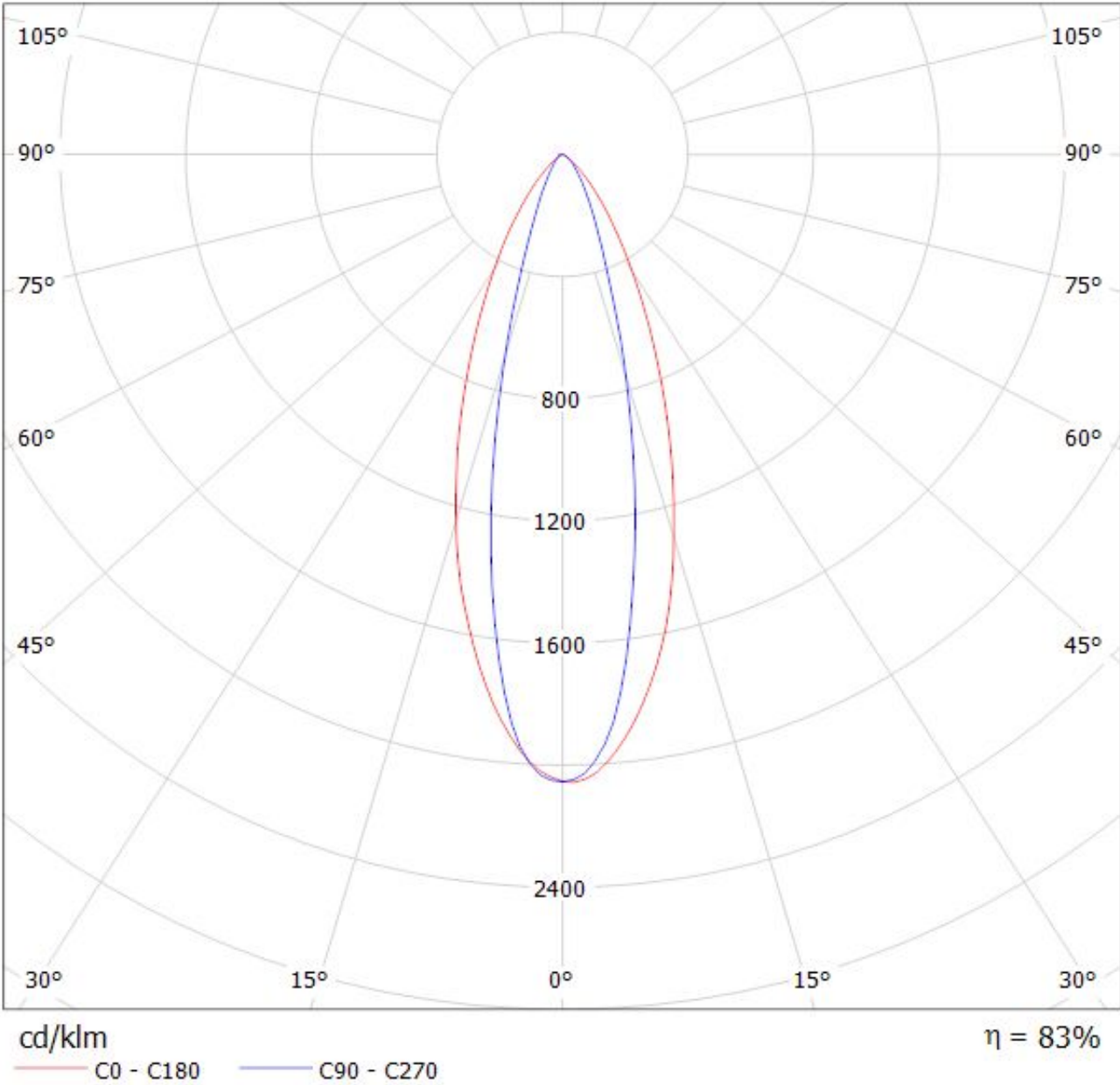
Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



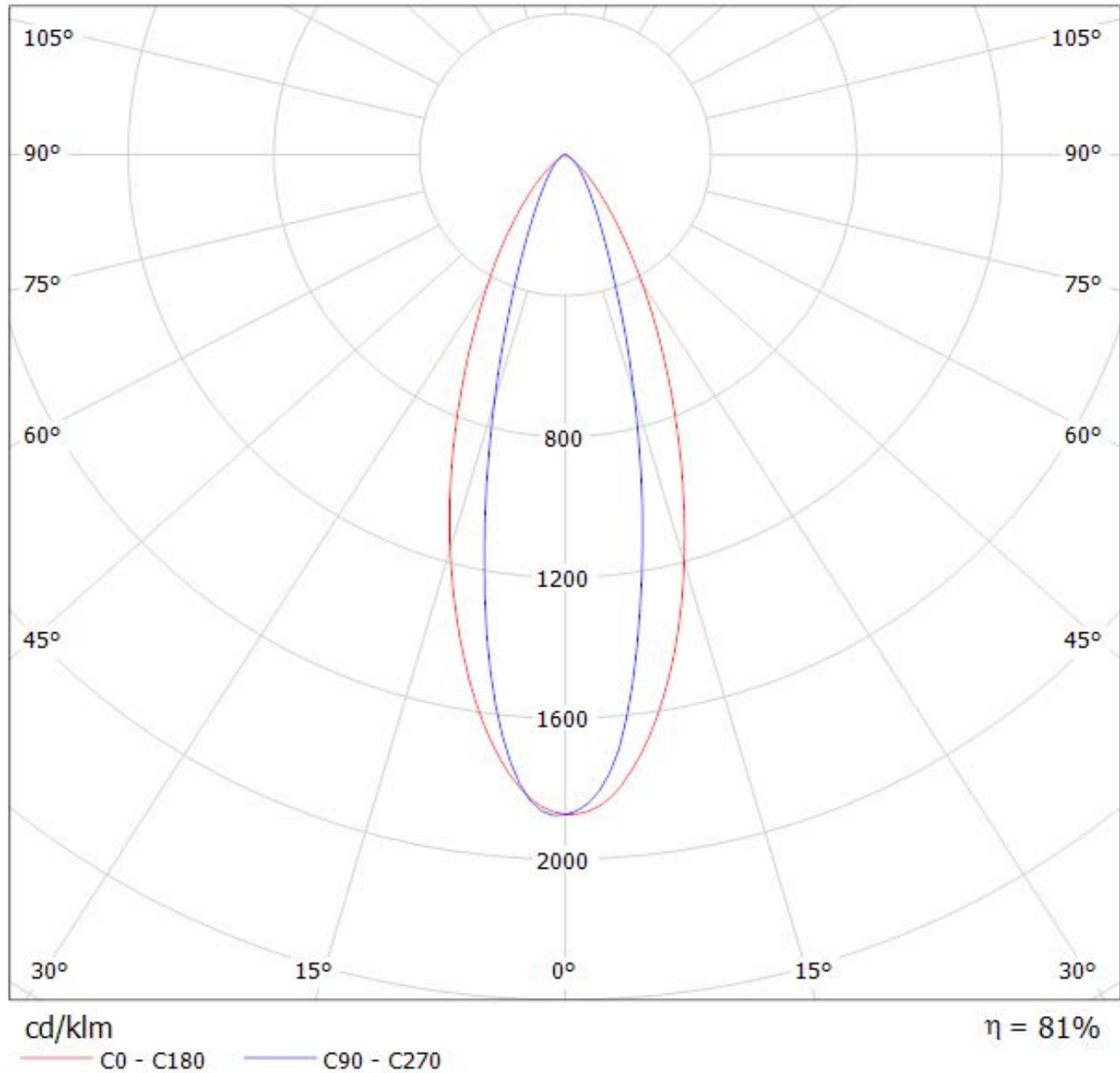
Luminaire: LEDiL Oy LARISA-O_XB-D_(CLIP8&CLIP16) Eff.79.8%
Lamps: 1 x XB-D (91.7428lm@250mA)



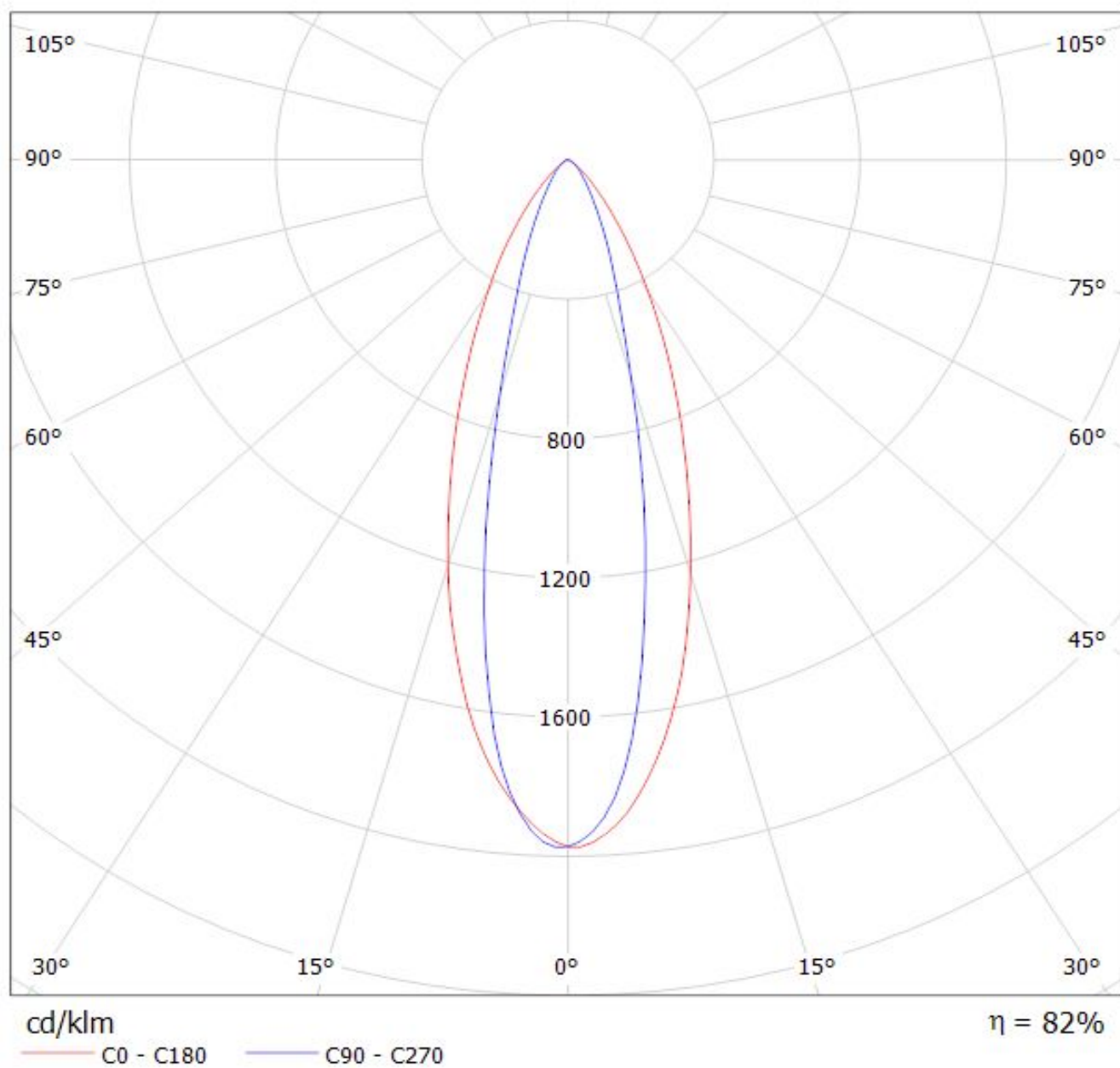
Luminaire: LEDiL Oy LARISA-O_XP-G_(CLIP8&CLIP16) Eff.82.9%
Lamps: 1 x XP-G (62.2075lm@250mA)



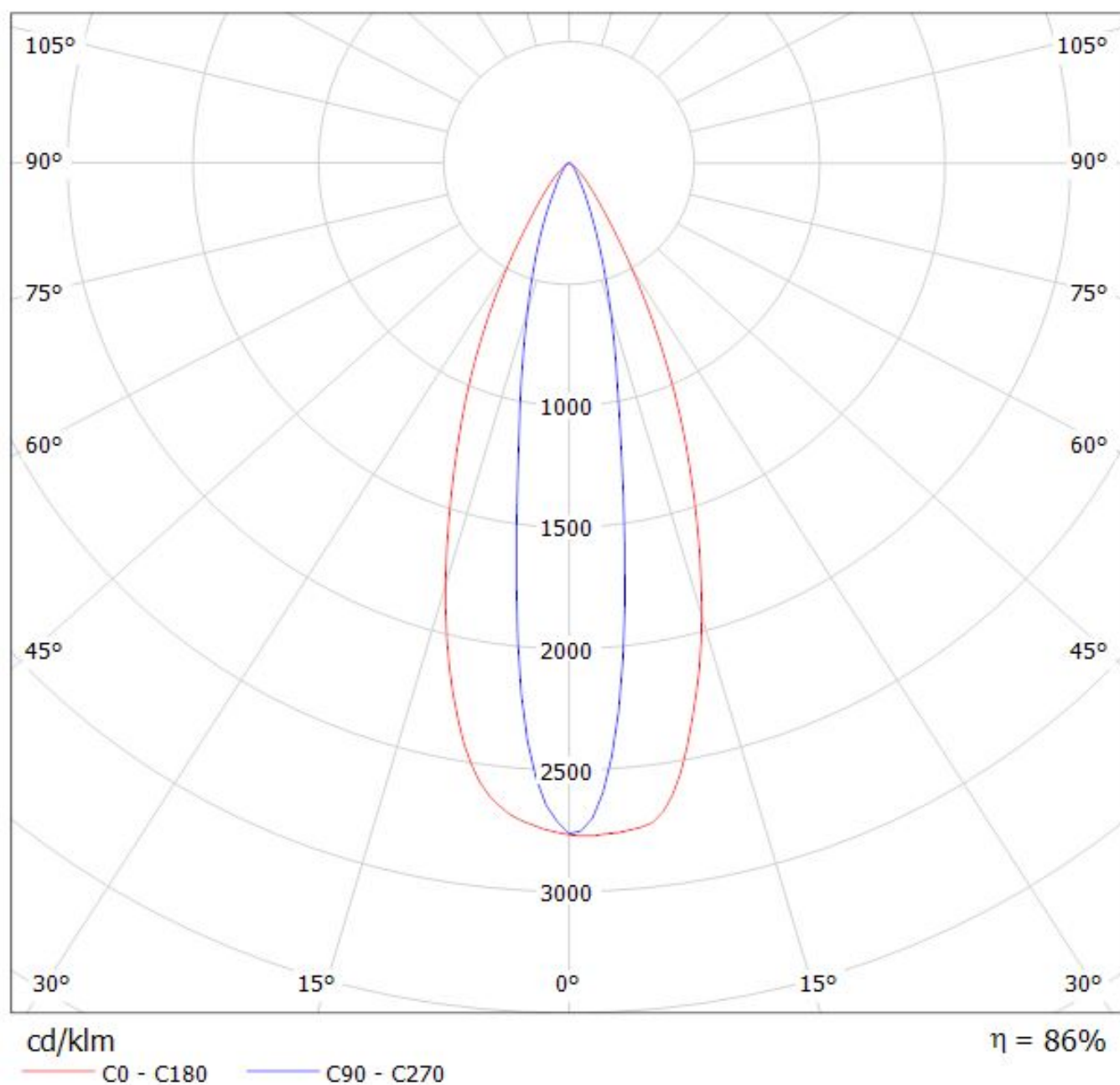
Luminaire: LEDiL Oy LARISA-O_Luxeon_A_(CLIP8&CLIP16) Eff.81.2%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



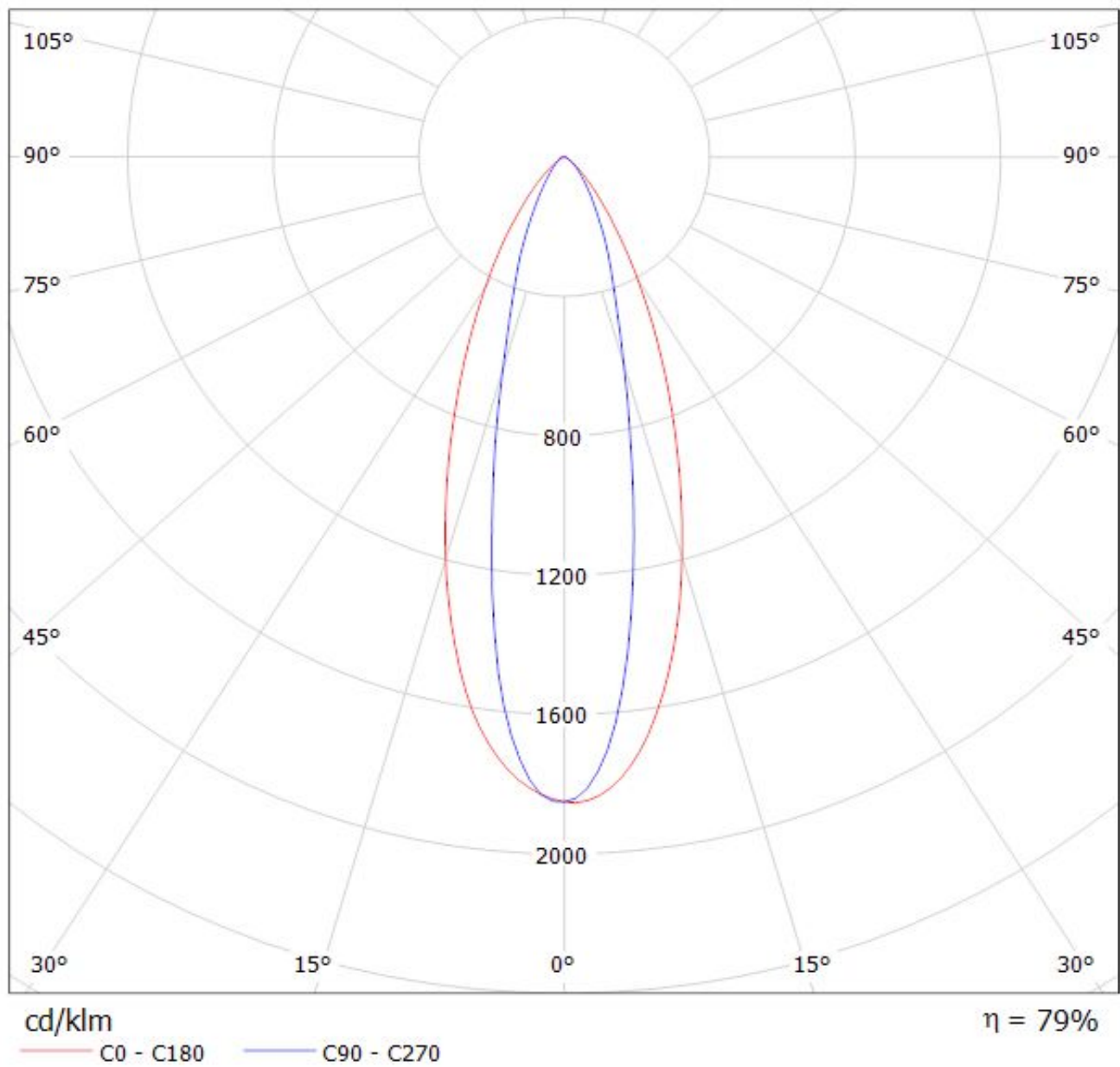
Luminaire: LEDiL Oy LARISA-O_Rebel-ES_(CLIP8&CLIP16) Eff.82.2%
Lamps: 1 x Rebel ES (89.842lm@250mA)



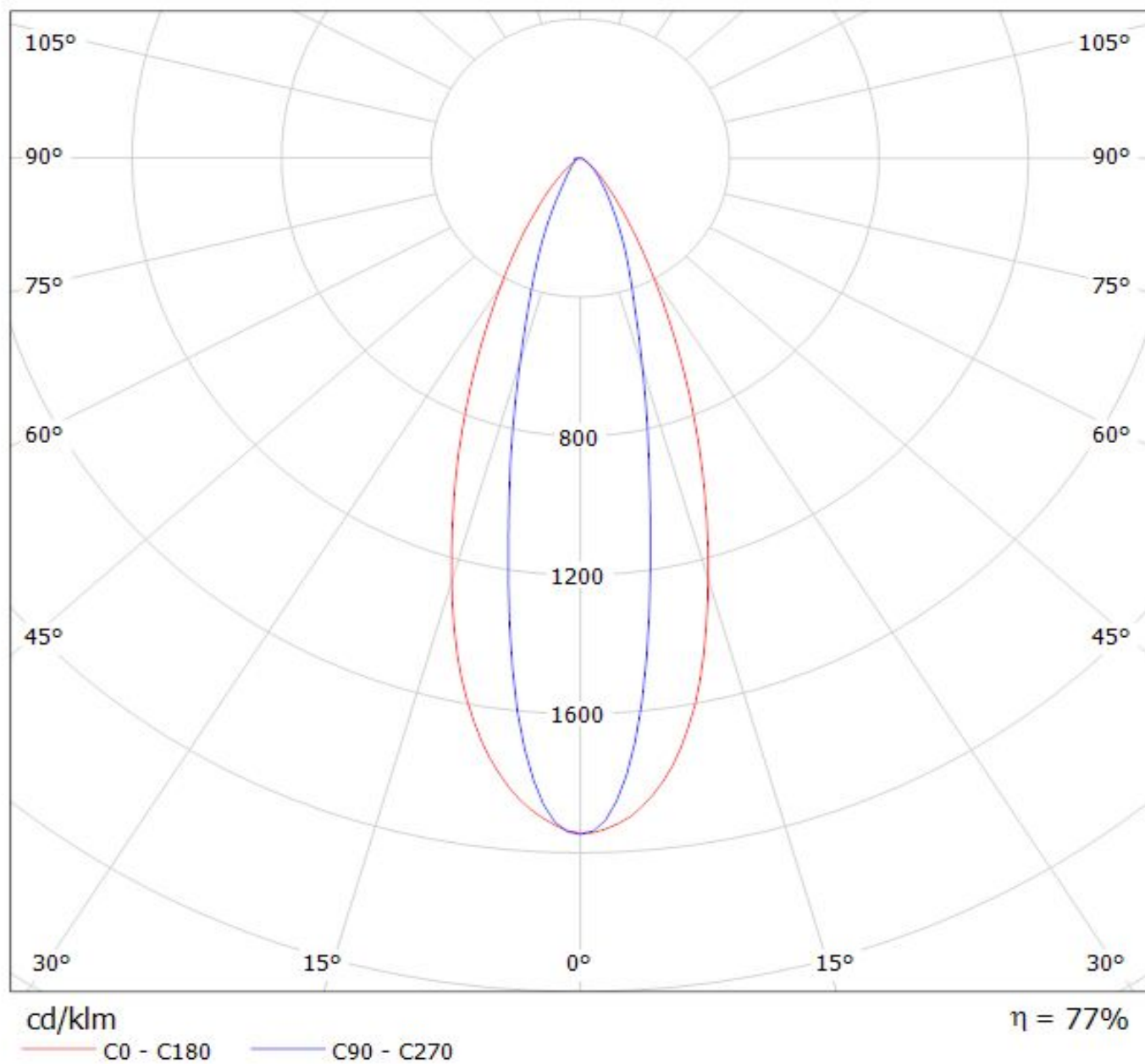
Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA



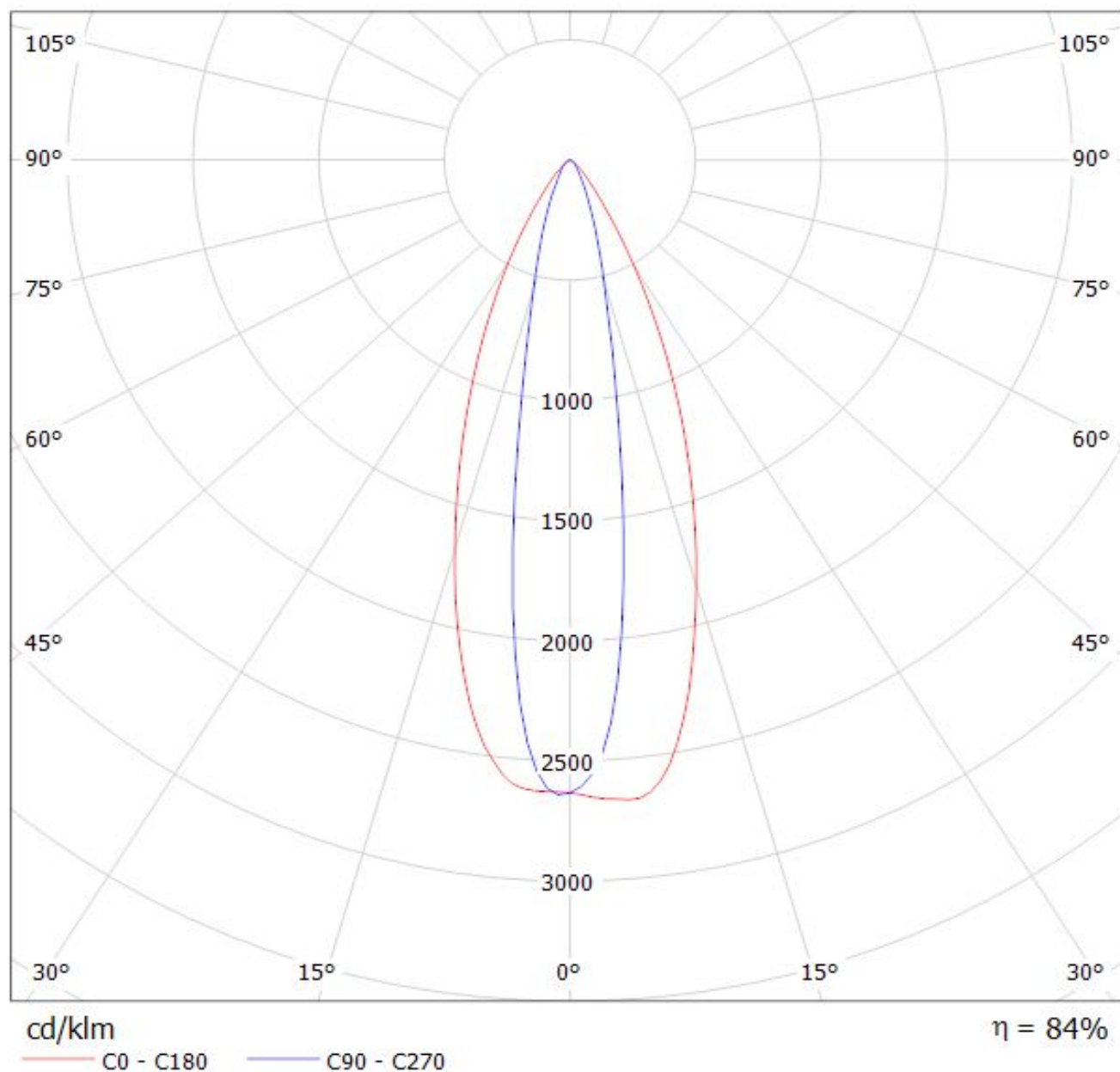
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Lamps: 1 x NV519 (97.9644lm@250mA)



Luminaire: LEDiL Oy LARISA-O_SQ-EC_(CLIP8&CLIP16) Eff.77.3%
Lamps: 1 x SQ-EC (64.5379lm@250mA)

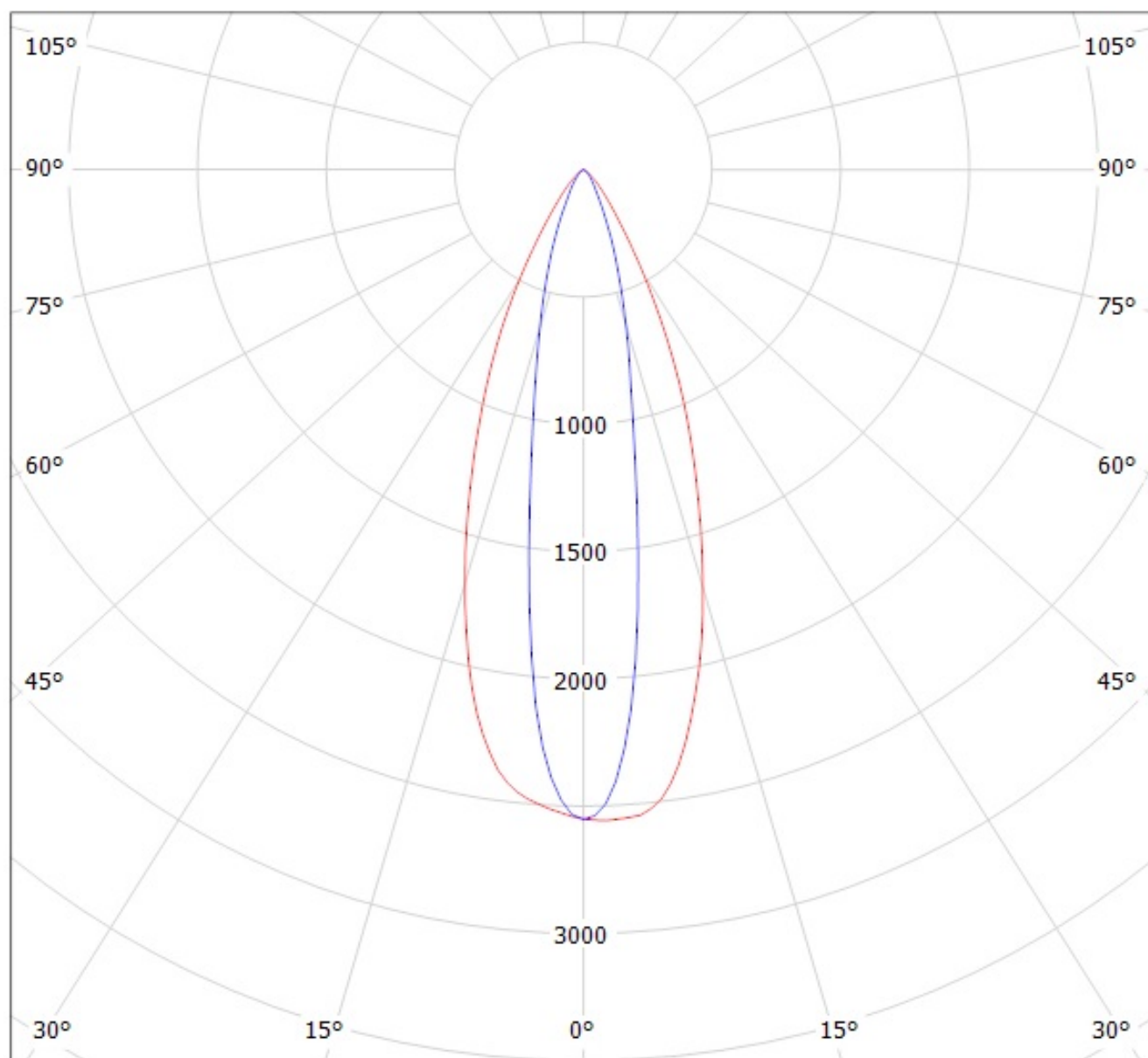


Luminaire: LEDiL Oy LARISA-O_Rebel_(CLIP8&CLIP16) Eff.84.4%
Lamps: 1 x Rebel (80.8775lm@250mA)



Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(Luxeon_Rebel_Plus)

Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_Plus_(LX18-P130-3)_71.4609lm@250lm_P=0.74935W_I=0.2499A



cd/klm

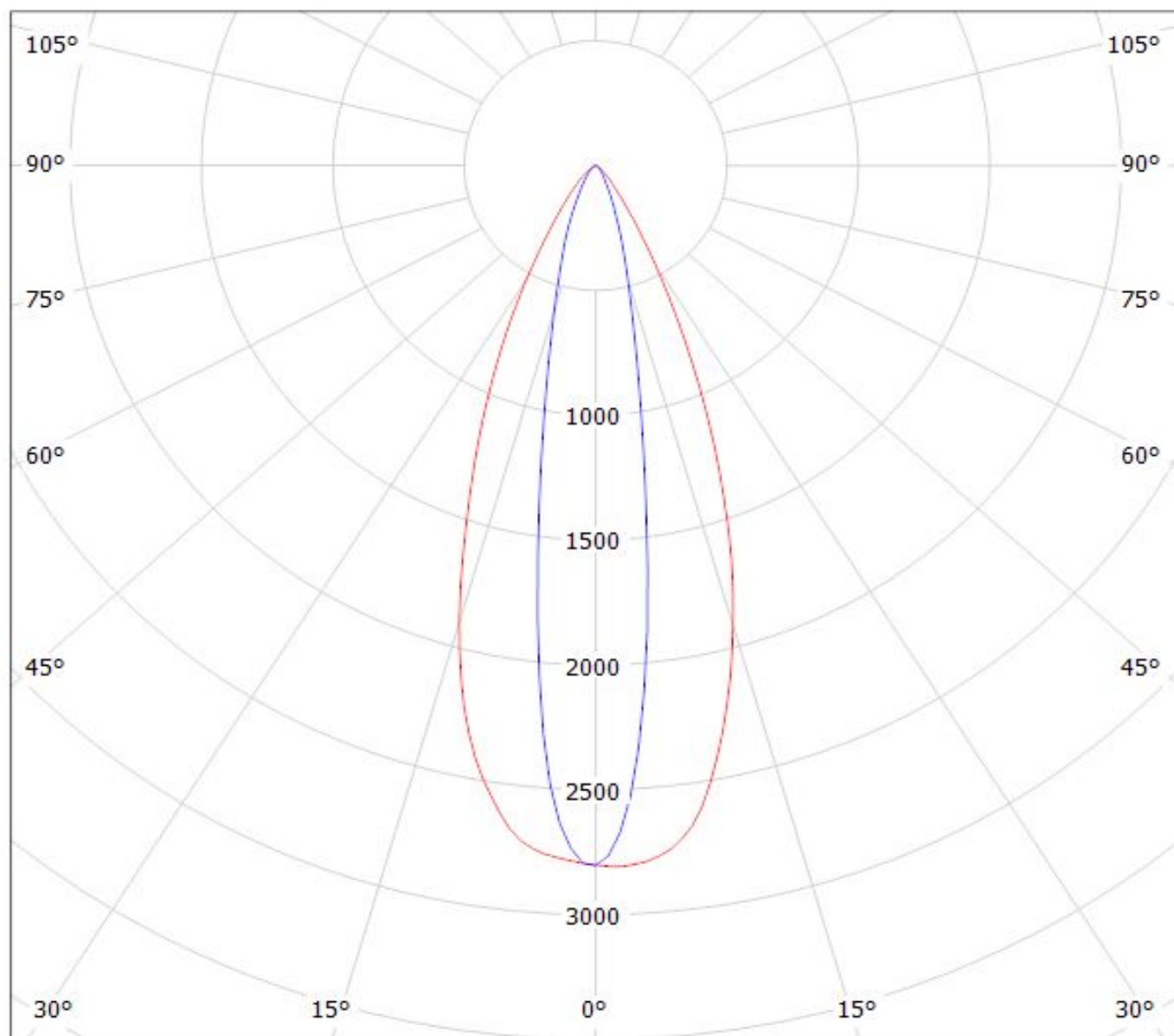
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8_(XQ-E)

Lamps: 1 x Cree XQ-E_(XQEAWT-0-7B1-Q40-0H-00001)_81.8467lm@250mA_P=0.765444W_I=250mA



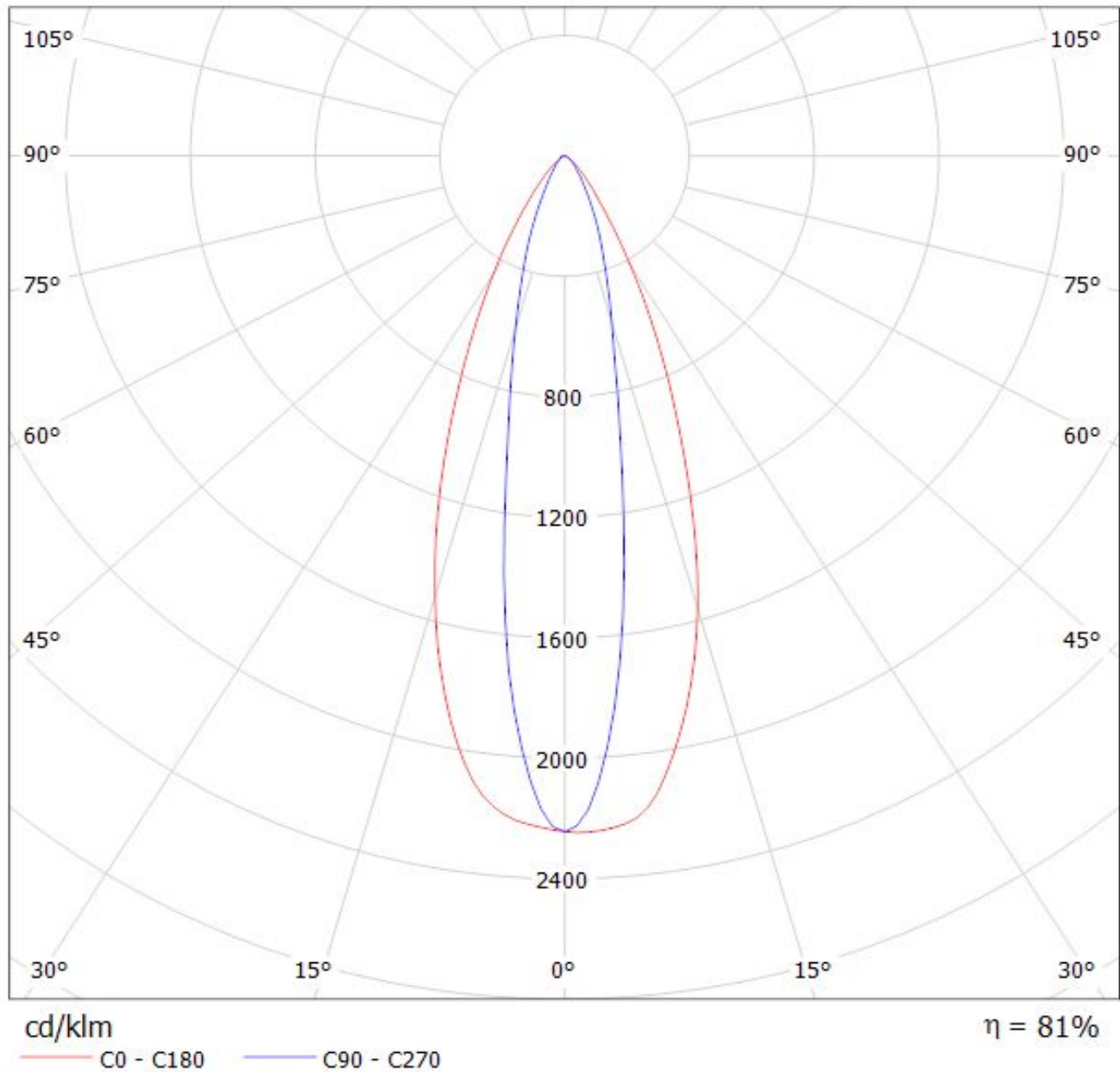
cd/klm

η = 82%

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy LARISA-O_NCS19_(CLIP8&CLIP16) Eff.80.7%
Lamps: 1 x NCS19 (88.2595lm@250mA)



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.