PRODUCT DATASHEET
Larisa series
last update 3/2/2017

DETAILS

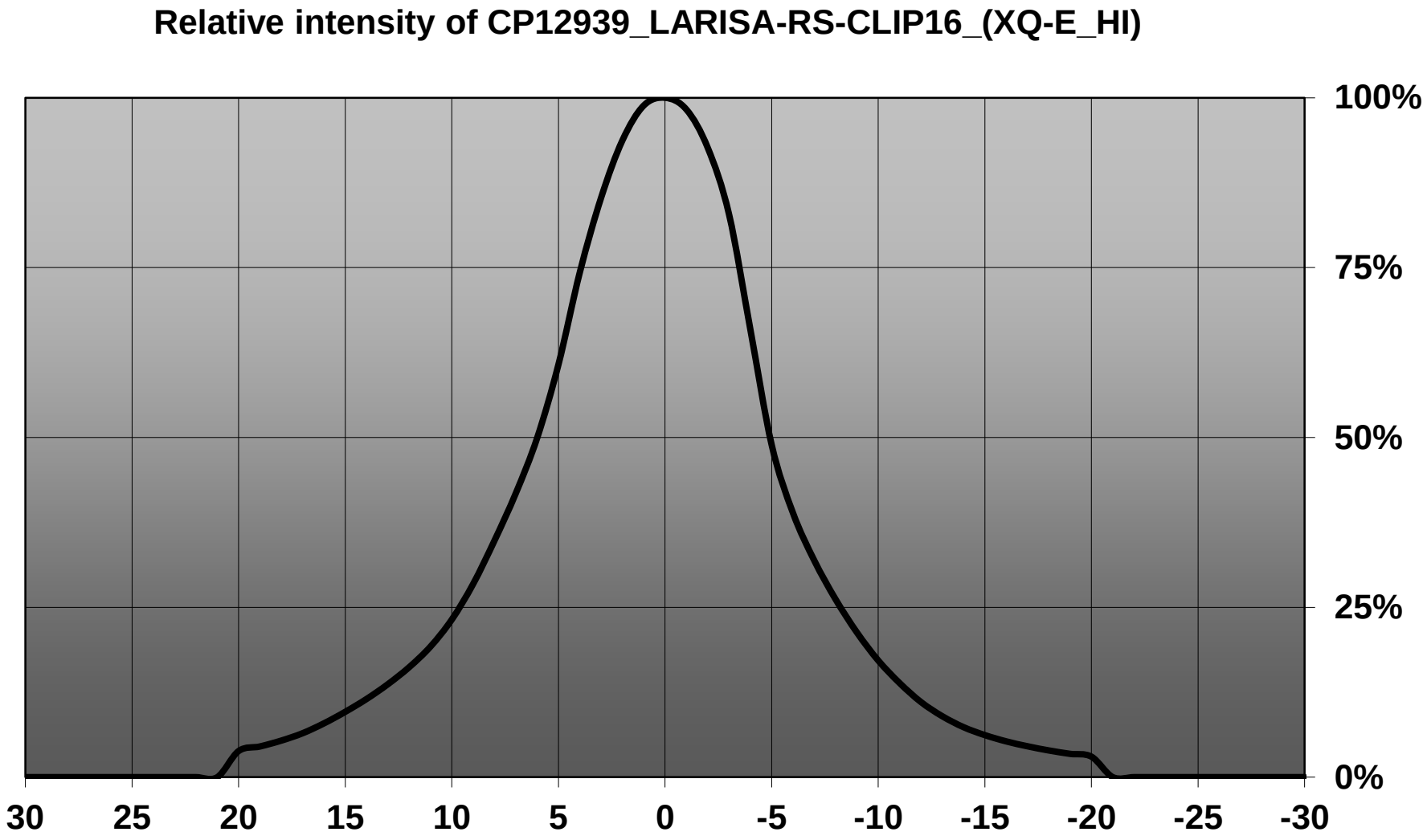
Product Number	CP12939_LARISA-RS-CLIP16
Family	Larisa
Type	Assembly
Color	black
Diameter	9,9 x 9,9 mm
Height	7,5 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	clips
Status	production ready
ROHS Comliant	Yes
Date Updated	3/02/2017

OPTICAL PROPERTIES

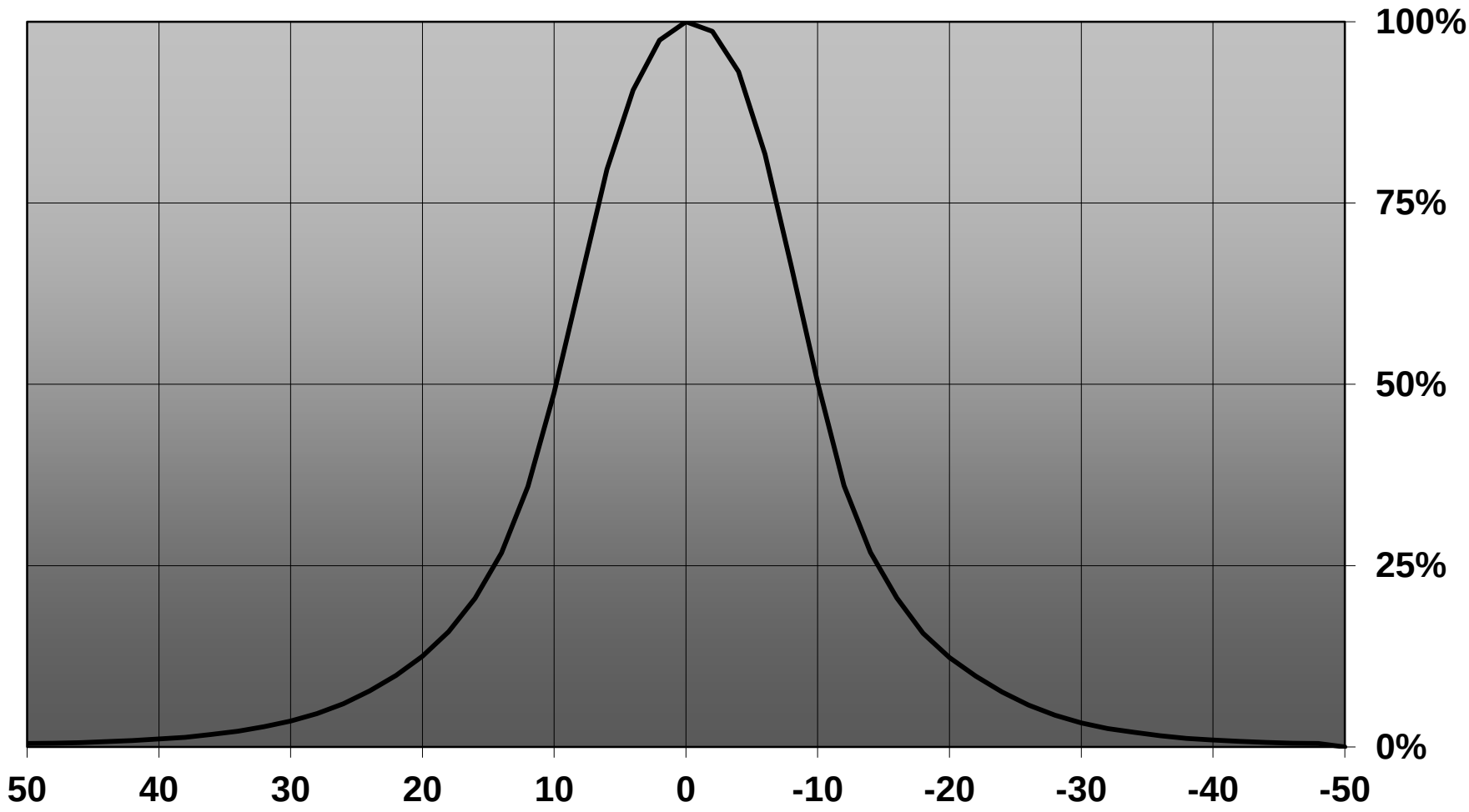
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-E	sim: 15	Real spot	sim: 92 %	-	-
XQ-E	16 deg	Real spot	86 %	6.900	-
XQ-E HI	11 deg	Real spot	80 %	10.700	-
LUXEON Rebel	20 deg	Real spot	90 %	4.620	-
LUXEON Rebel ES	24 deg	Real spot	88 %	3.220	-
LUXEON A	26 deg	Real spot	89 %	3.200	-
LUXEON Z	11 deg	Real spot	85 %	12.140	-
LUXEON Z ES	16 deg	Real spot	89 %	6.100	-
LUXEON C	17 deg	Real spot	86 %	6.100	-
NVSxx19A	21 deg	Real spot	81 %	3.140	-
NCSxx19A	16 deg	Real spot	84 %	4.750	-
Oslon Square EC	22 deg	Real spot	86 %	3.830	-
Oslon SSL 150	16 deg	Real spot	87 %	8.100	-
Oslon SSL 80	16 deg	Real spot	83 %	6.450	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

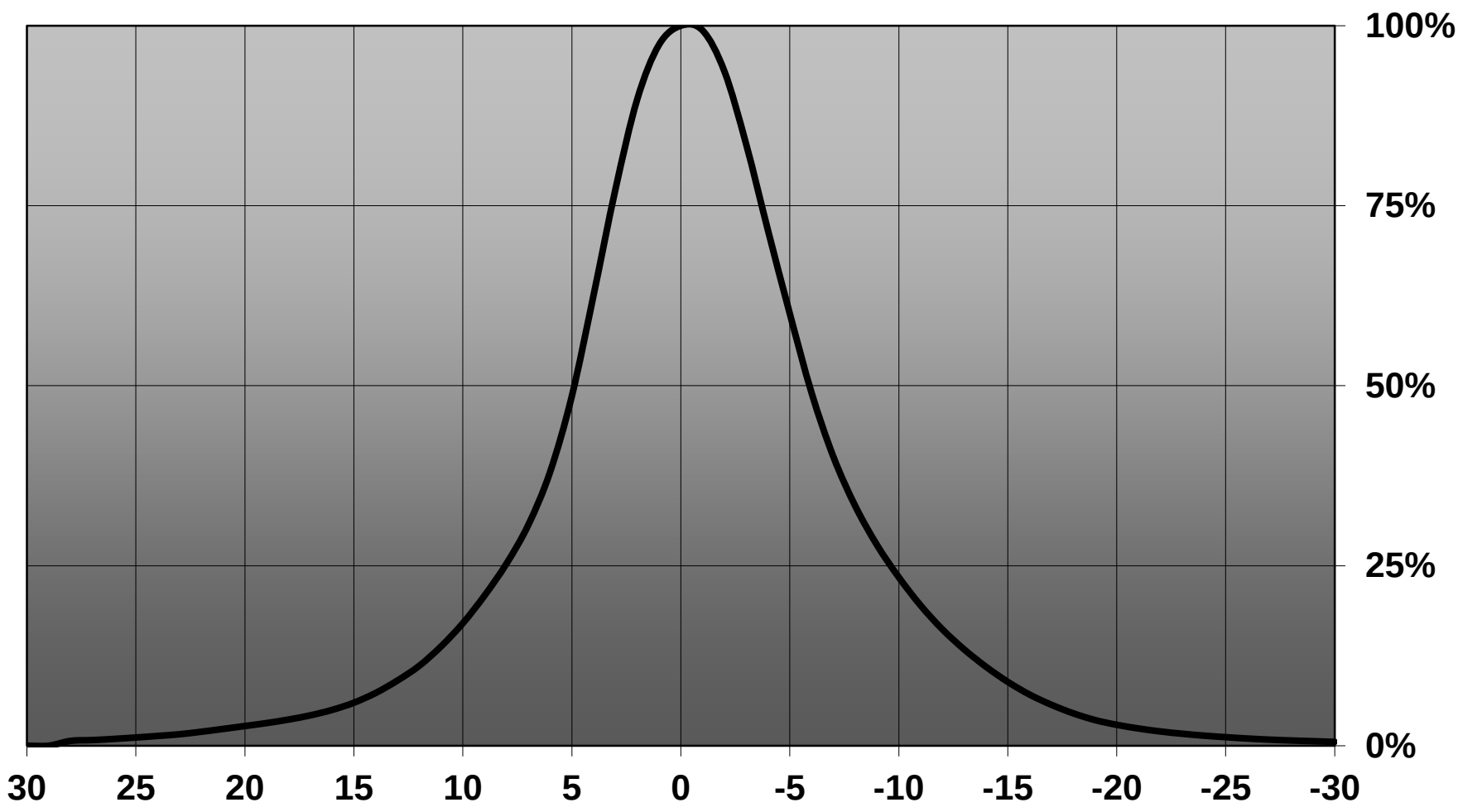
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001


Relative intensity of CP12939_LARISA-RS-CLIP16_(XQ-E_HI)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

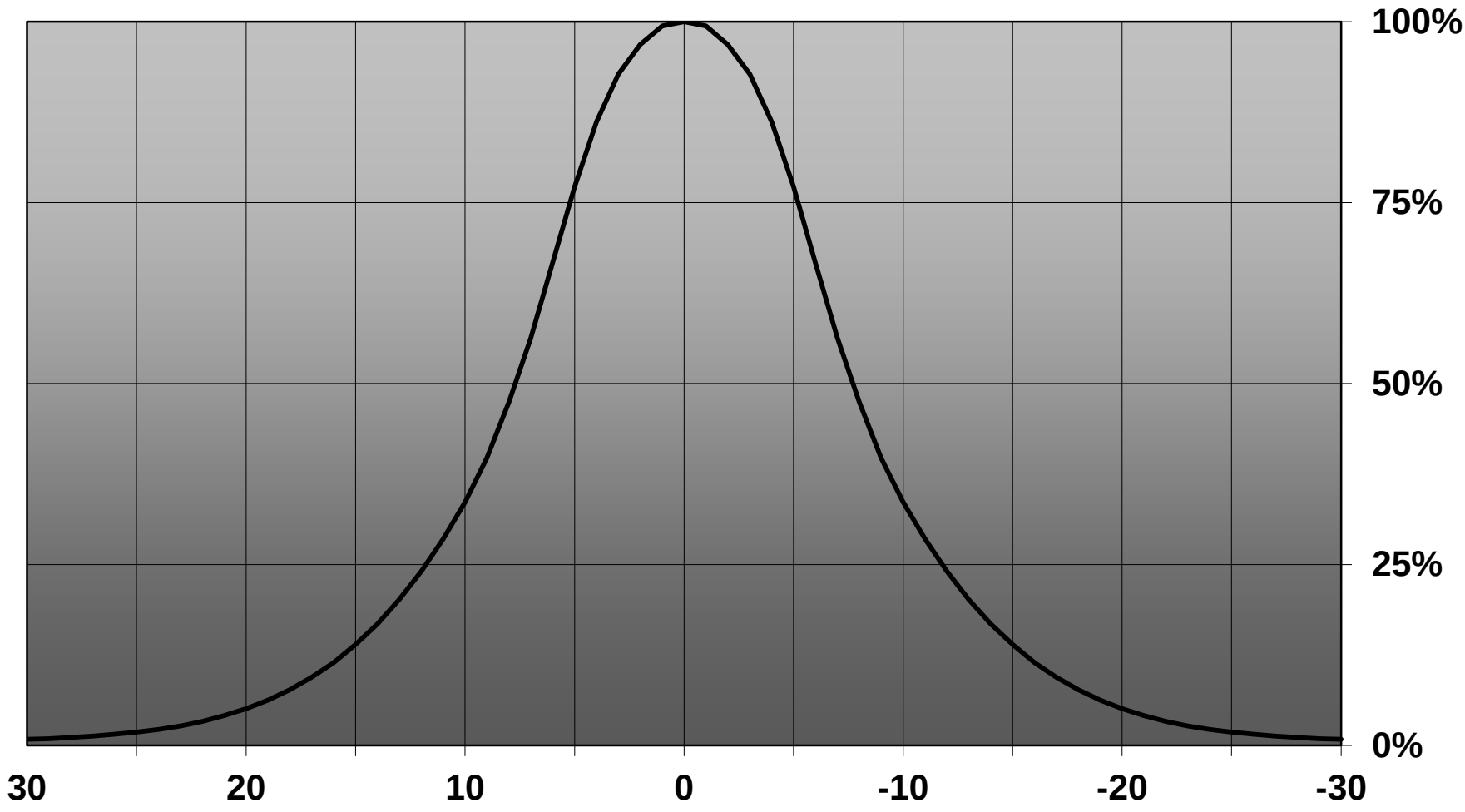
Relative intensity of LARISA-RS-CLIP8/16_(Rebel)

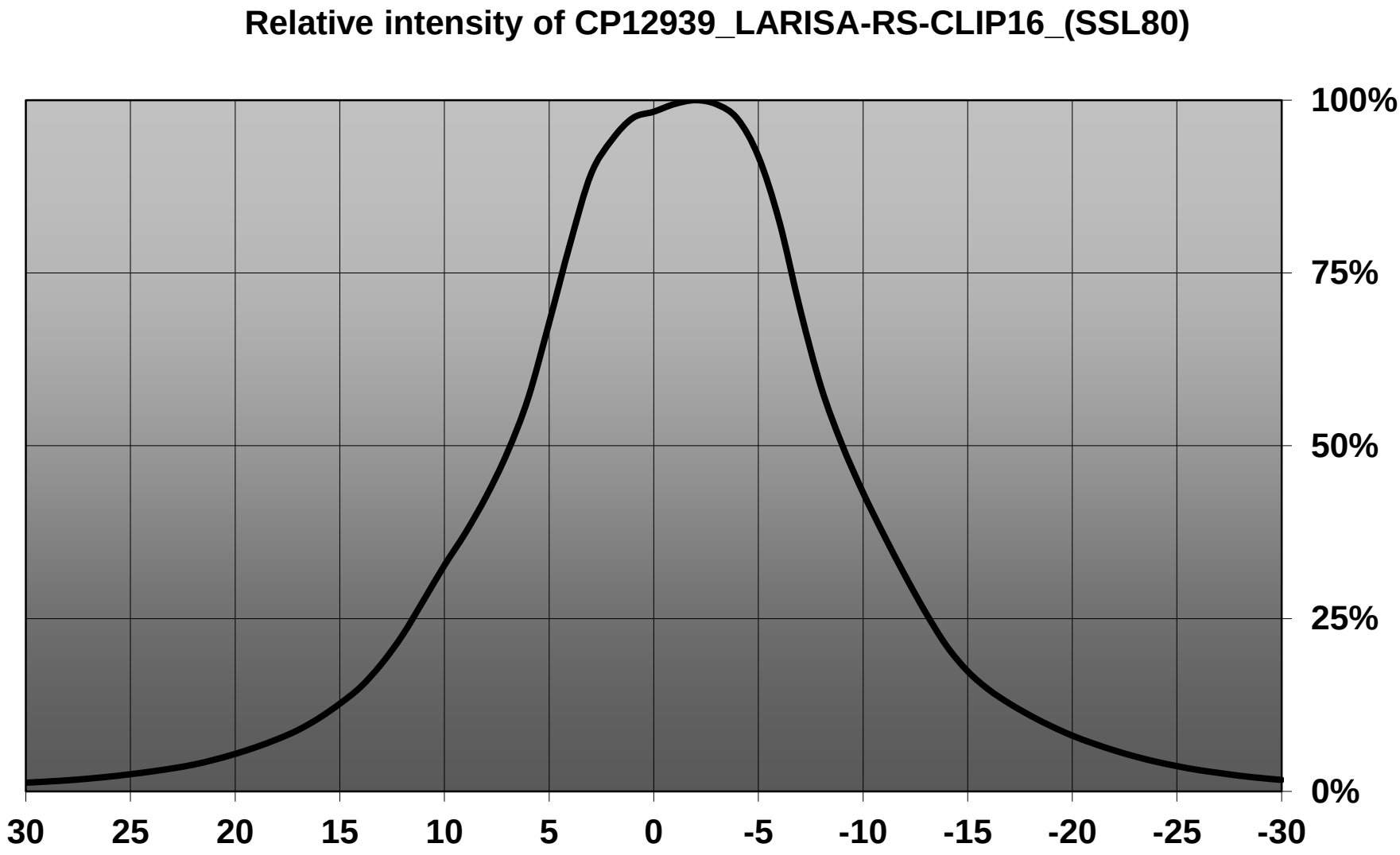


Relative intensity of CP12939_LARISA-RS-CLIP16_(Luxeon Z)

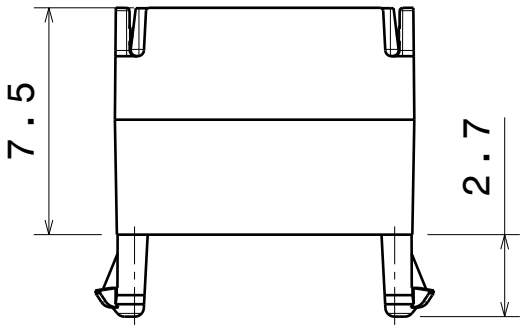


Relative intensity of LARISA-RS CLIP8&CLIP16 (SSL150)

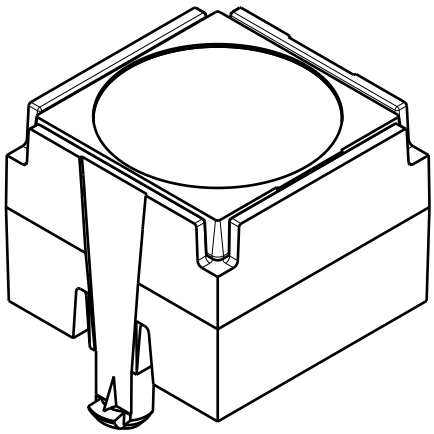



Relative intensity of CP12939_LARISA-RS-CLIP16_(SSL80)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

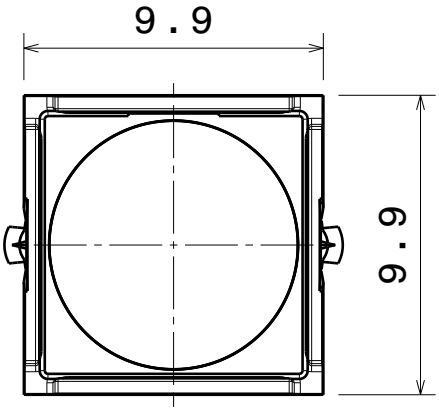
Designed for the following pin hole dimensions: Hole diameter 1.95mm
Hole distance 8.6mm
PCB thickness 1.6mm



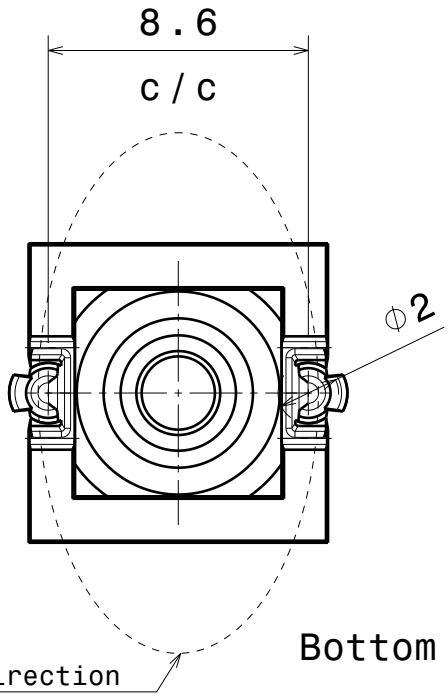
Front view



Isometric view
Scale: 4:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C12908	LARISA-HOLDER-CLIP16	PC	black

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

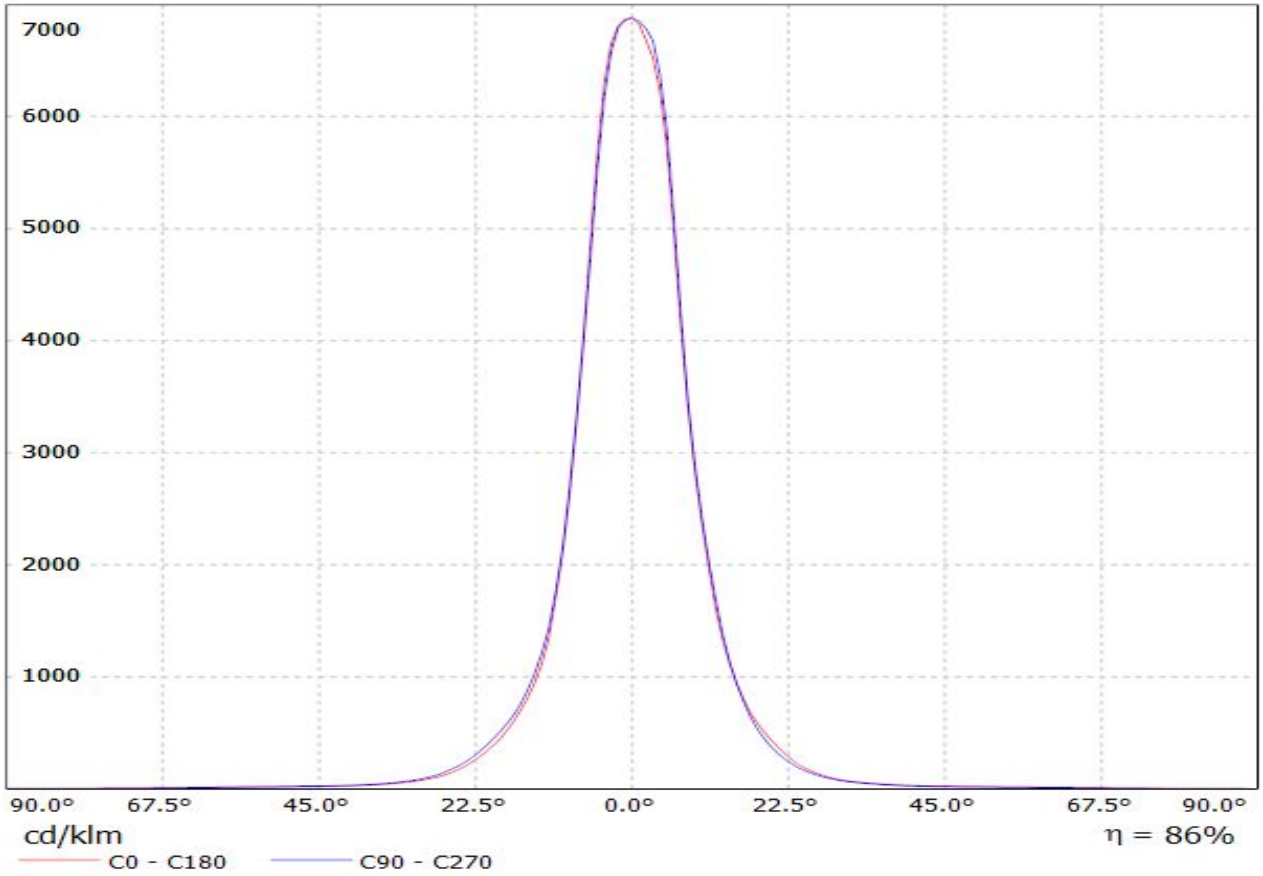
LARISA-CLIP16 series

SIZE A4

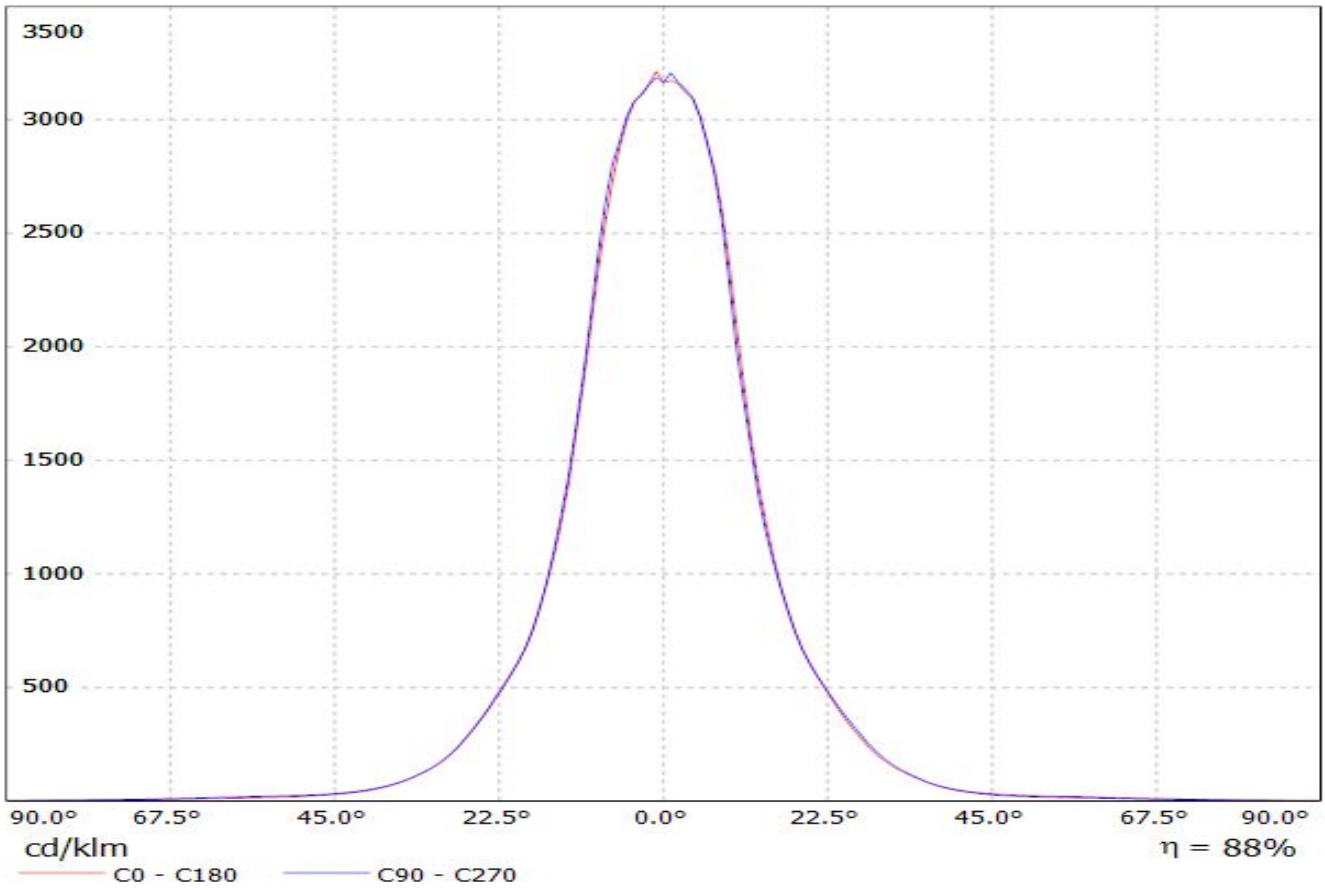
PART NUMBER -

SCALE 4:1 | WEIGHT 0,6 g | SHEET 1/1

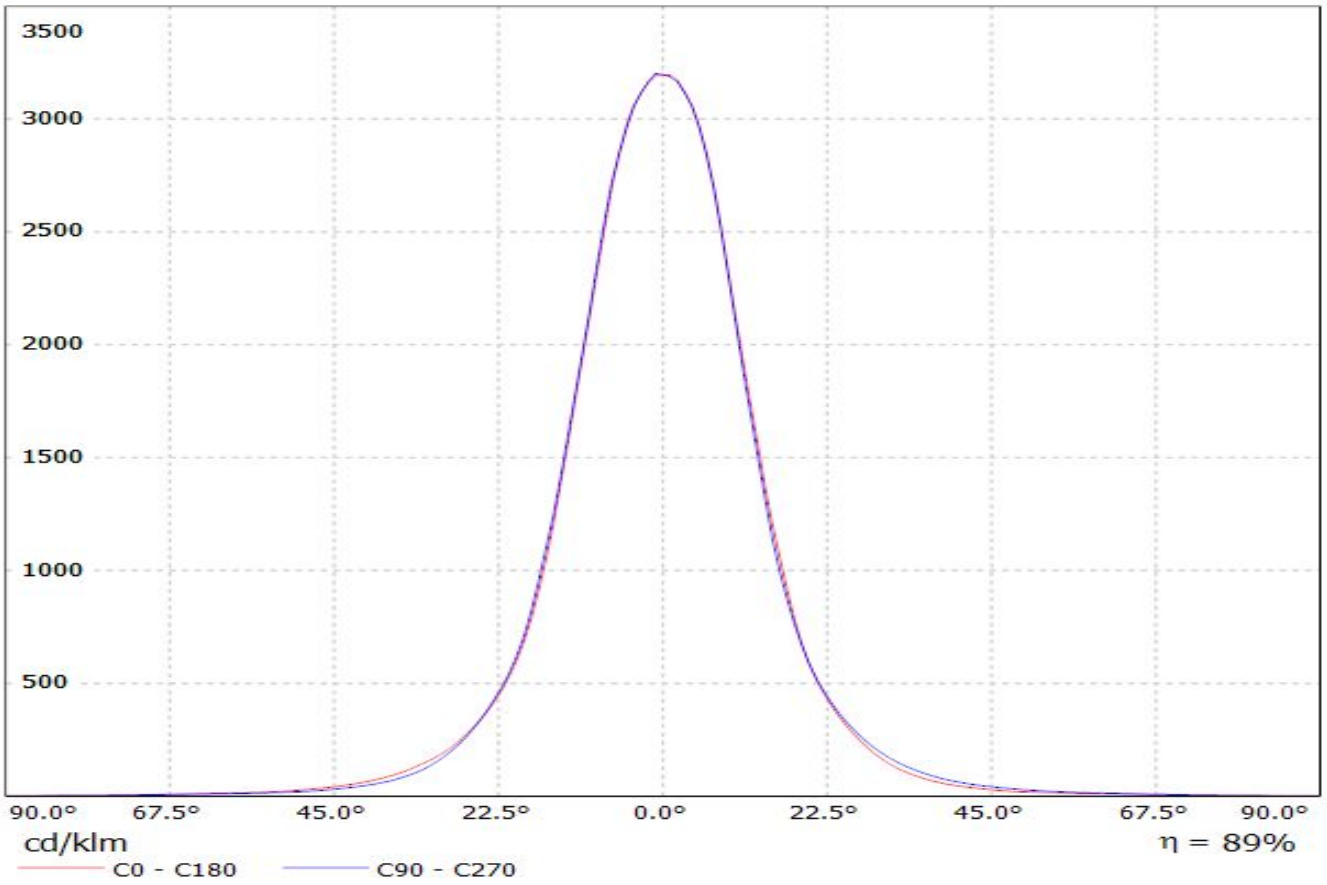
Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(XQ-E)
Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001_81.2847lm@250mA_P=0.764419W_I=250mA



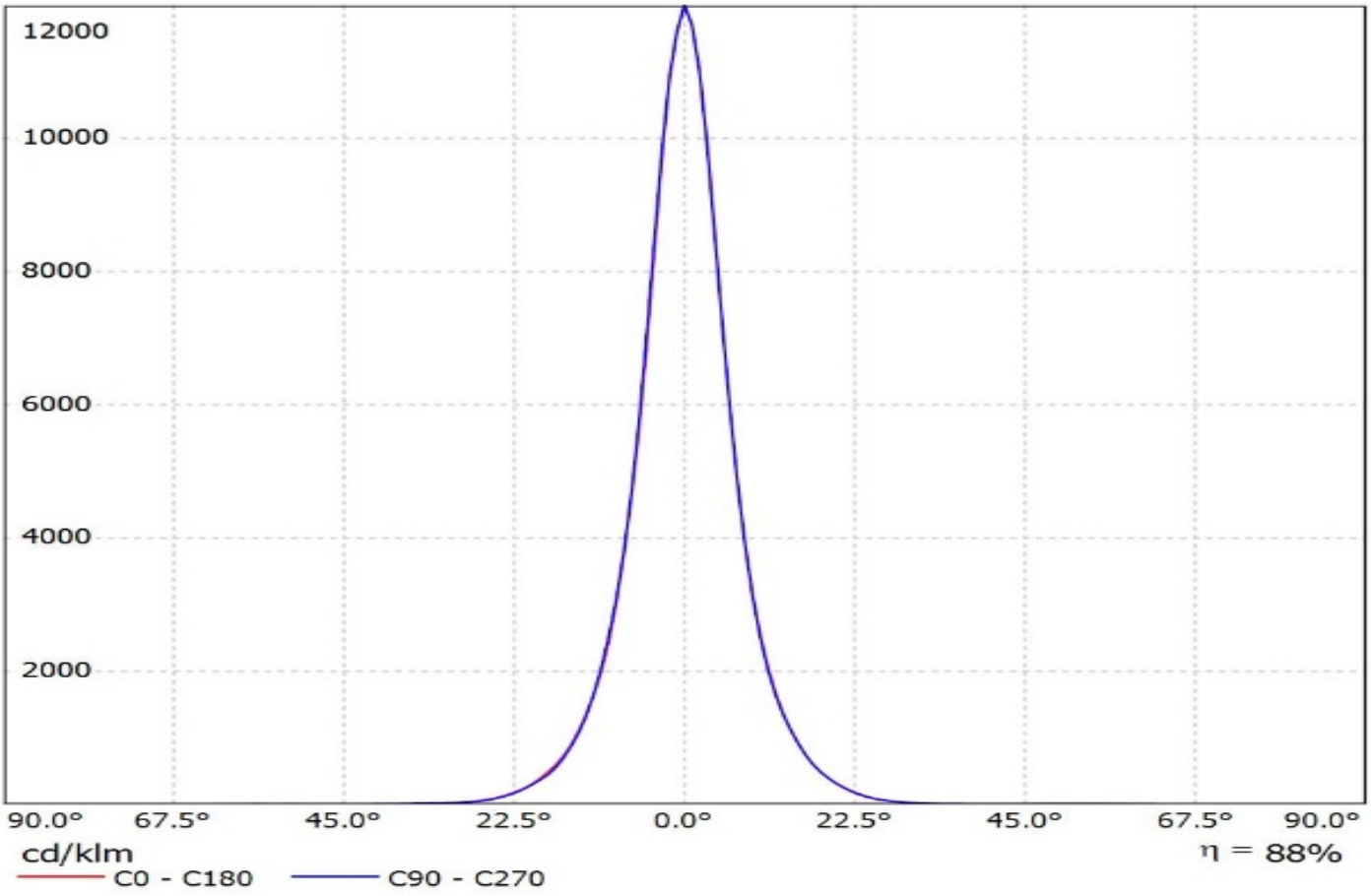
Luminaire: LEDiL Oy LARISA-RS_Rebel-ES_(CLIP8&CLIP16) Eff.88.3%
Lamps: 1 x Rebel ES (89.842lm@250mA)



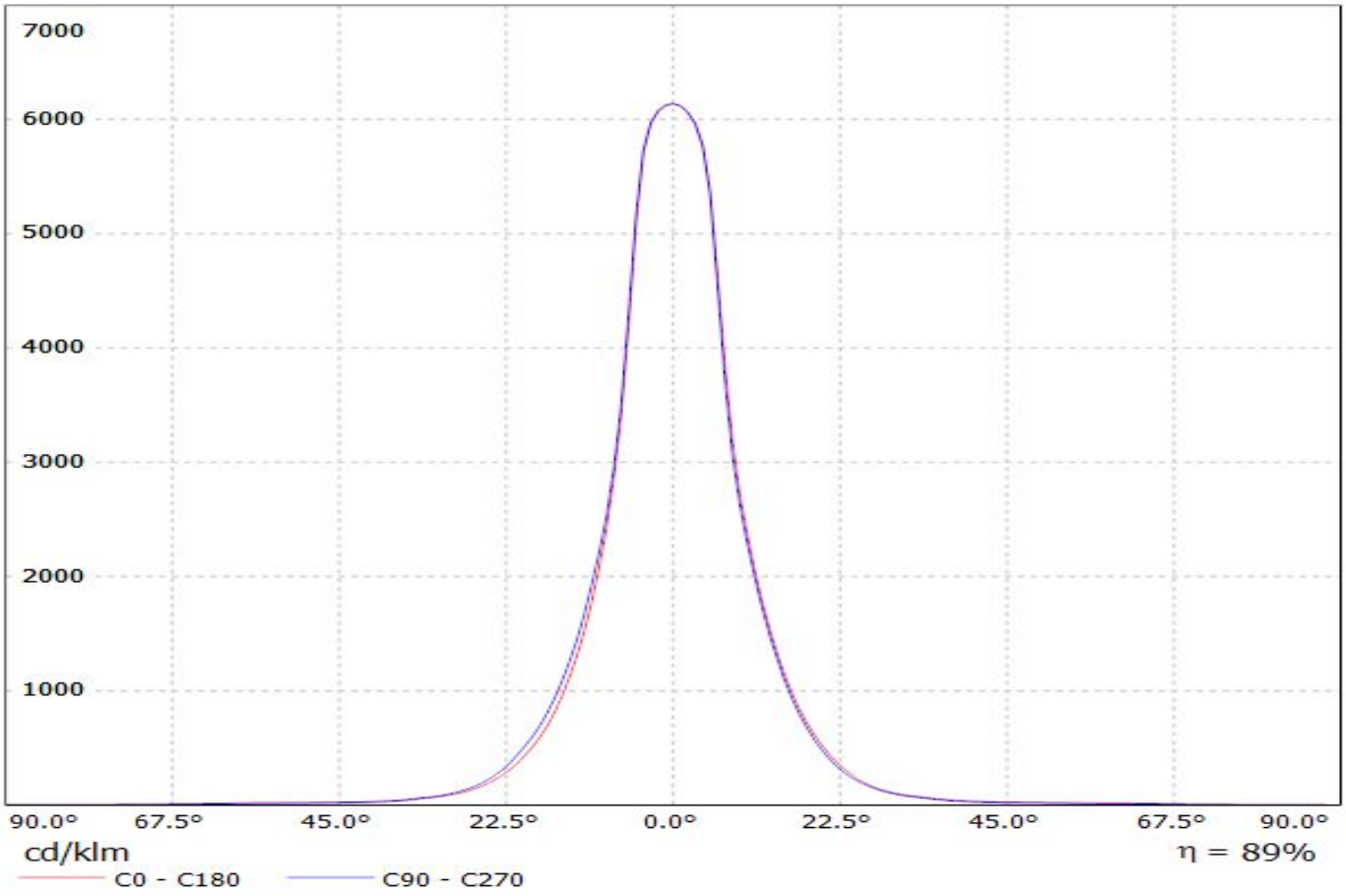
Luminaire: LEDiL Oy LARISA-RS_Luxeon_A_(CLIP8&16) Eff.89.0%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



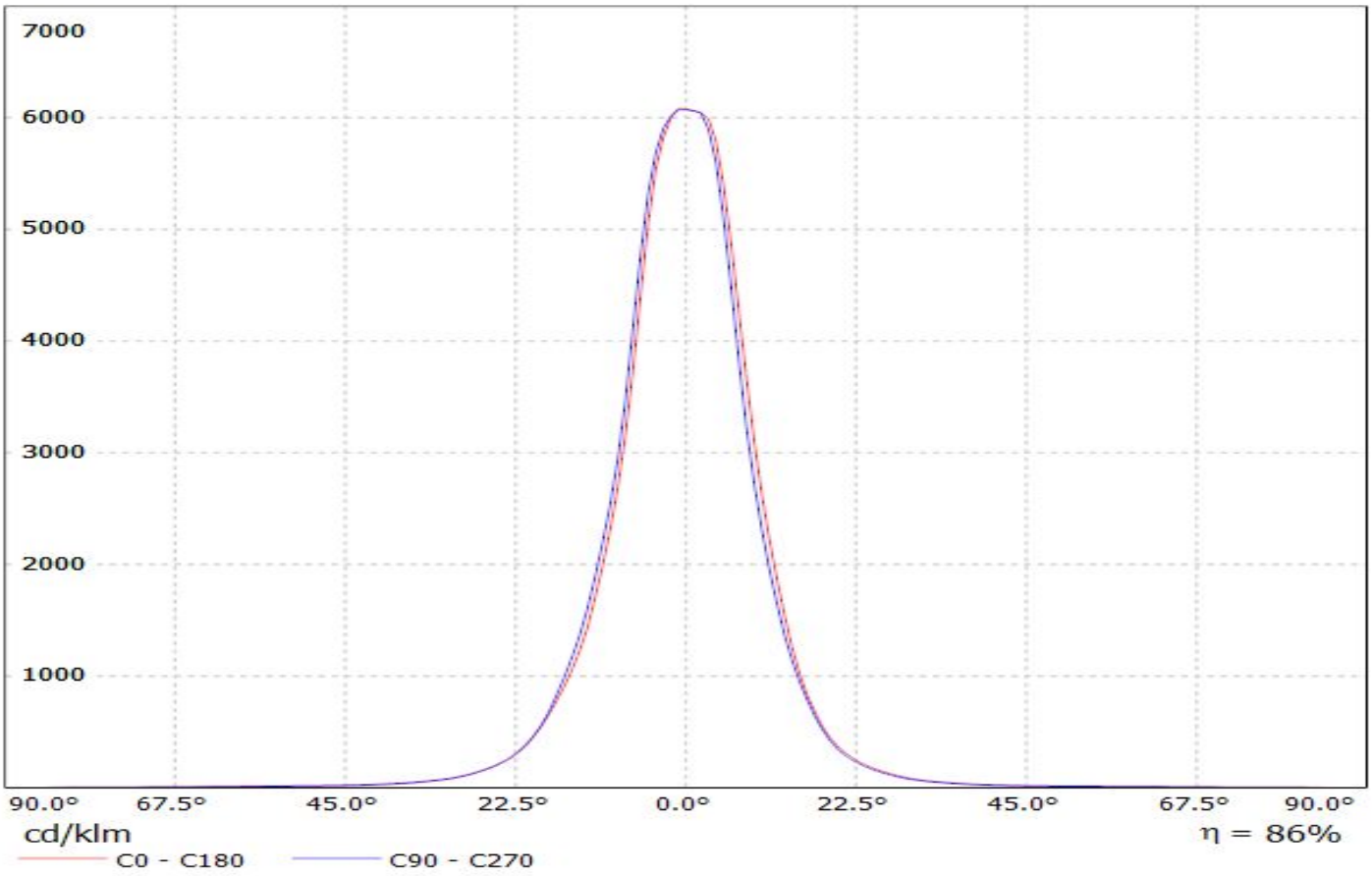
Luminaire: Ledil Oy CP12939_LARISA-RS-CLIP16_LUXEON-Z_SIMULATED
Lamps: 1 x LUXEON Z



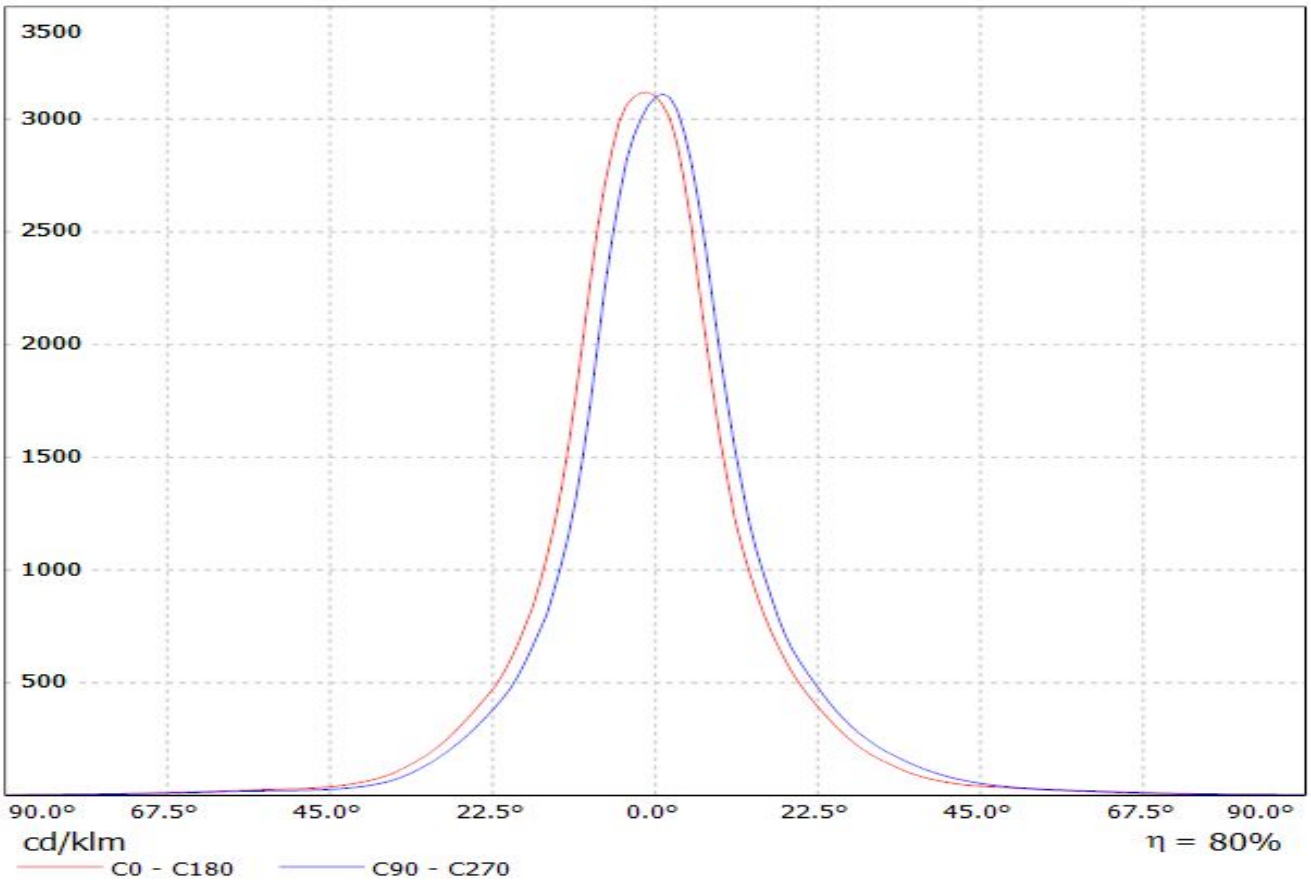
Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA



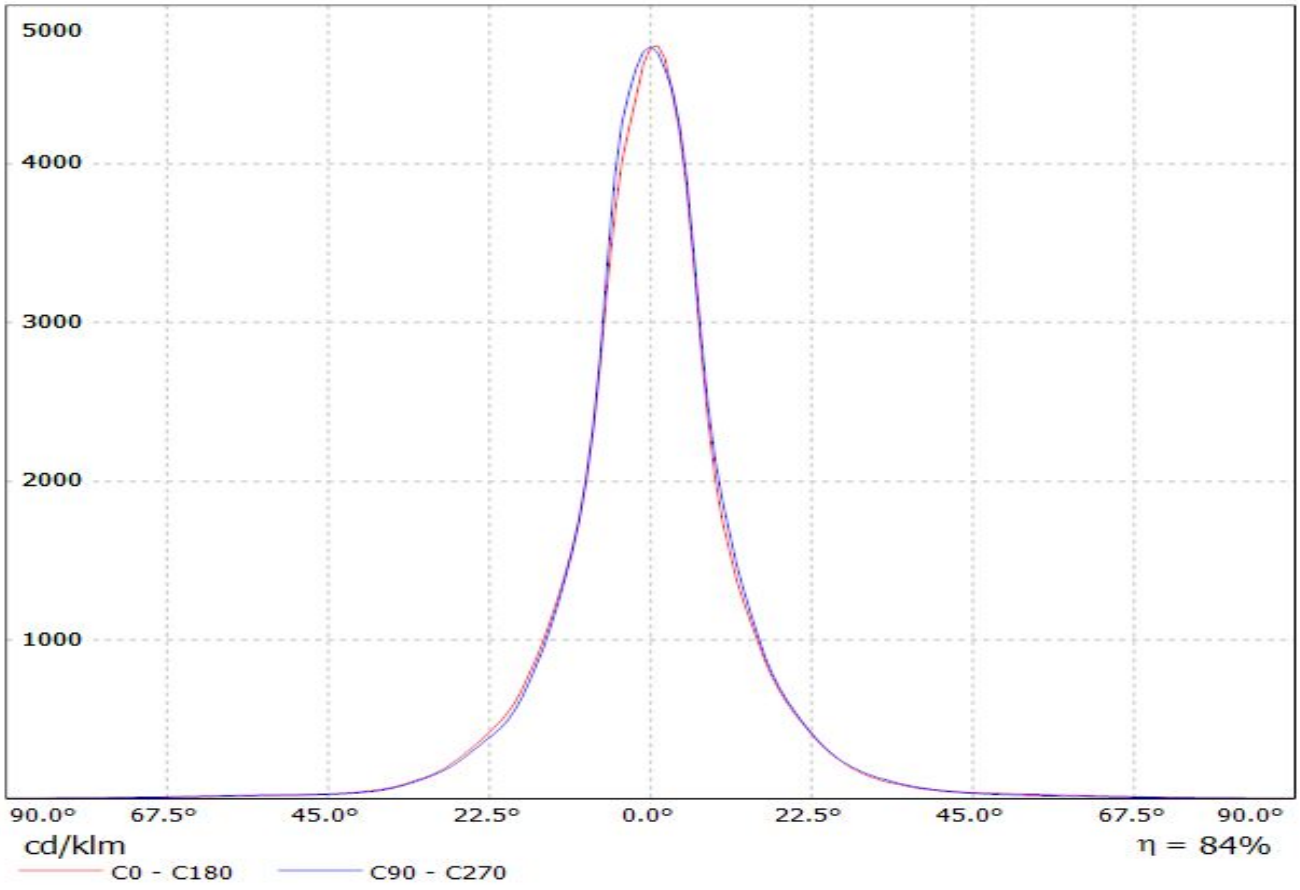
Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.9929lm@250mA_P=0.7402W_I=0.250A



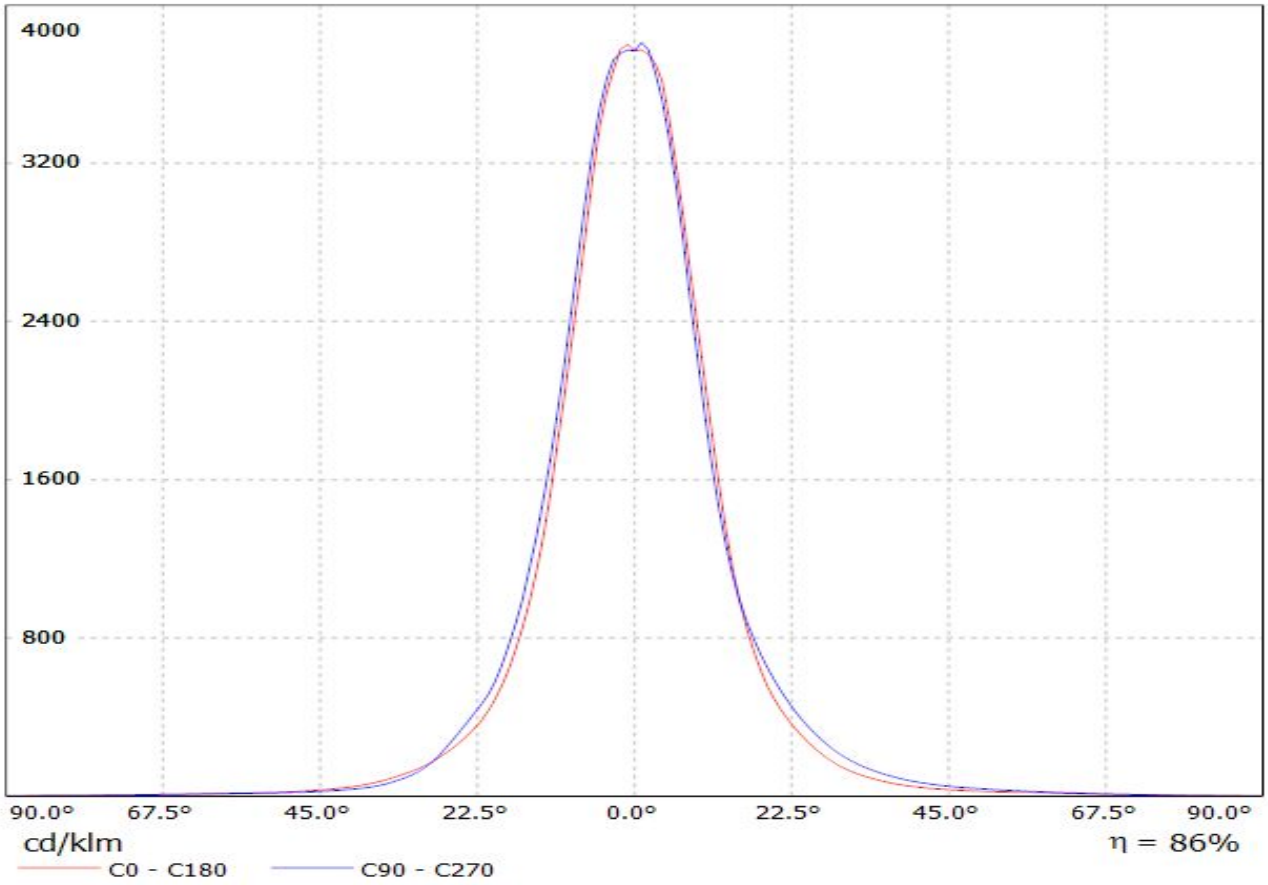
Luminaire: LEDiL Oy LARISA-RS_NVS19_(CLIP8&CLIP16) Eff.80.4%
Lamps: 1 x NVS19 (97.9644lm@250mA)



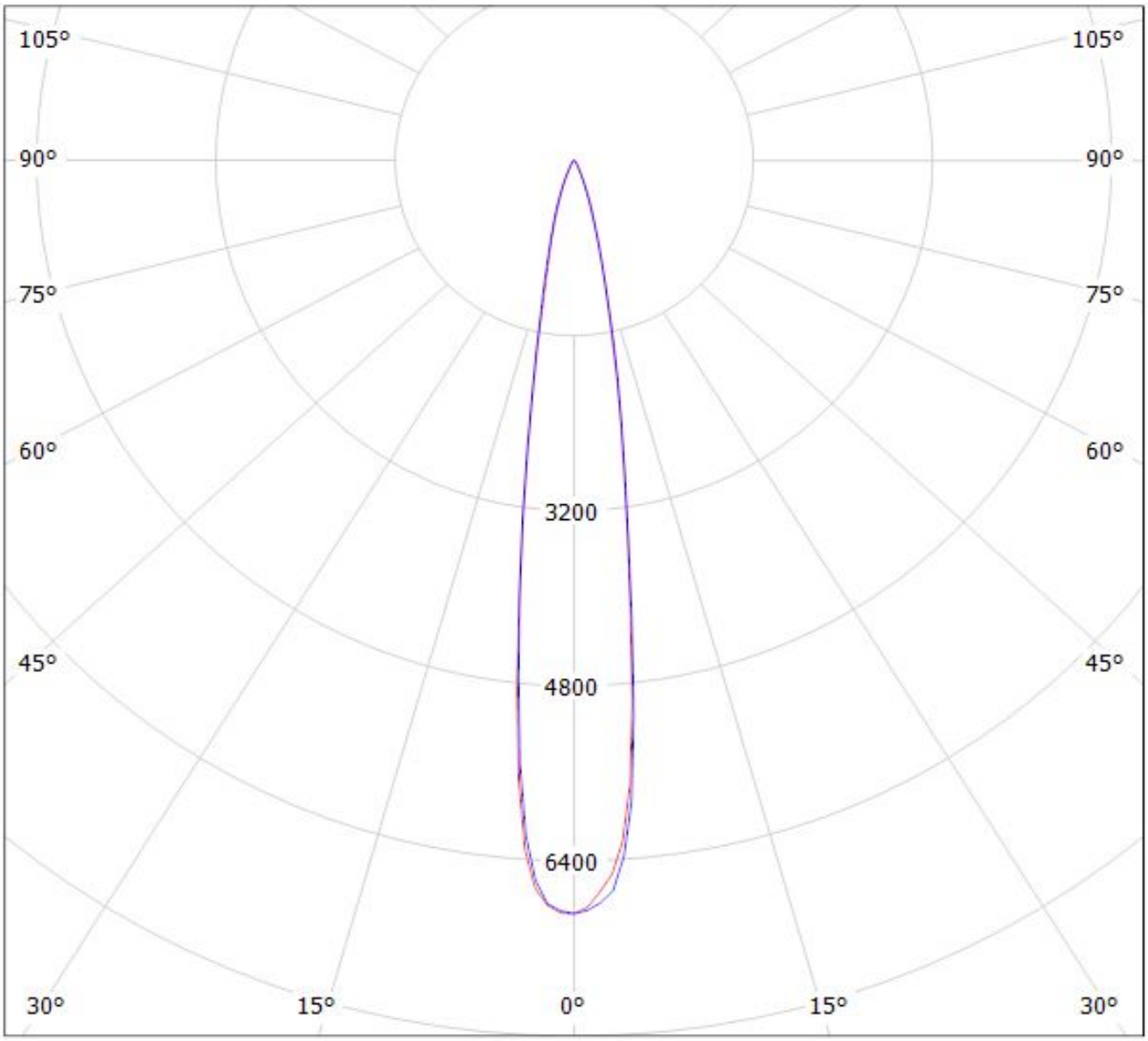
Luminaire: LEDiL Oy LARISA-RS_NCS19_(CLIP8&CLIP16) Eff.84.%
Lamps: 1 x NCS19 (88.2595lm@250mA)



Luminaire: LEDiL Oy LARISA-RS_SQ-EC_(CLIP8&CLIP16) Eff.85.9%
Lamps: 1 x SQ-EC (64.5379lm@250mA)



Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(XQ-E)
Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001_81.2847lm@250mA_P=0.764419W_I=250mA

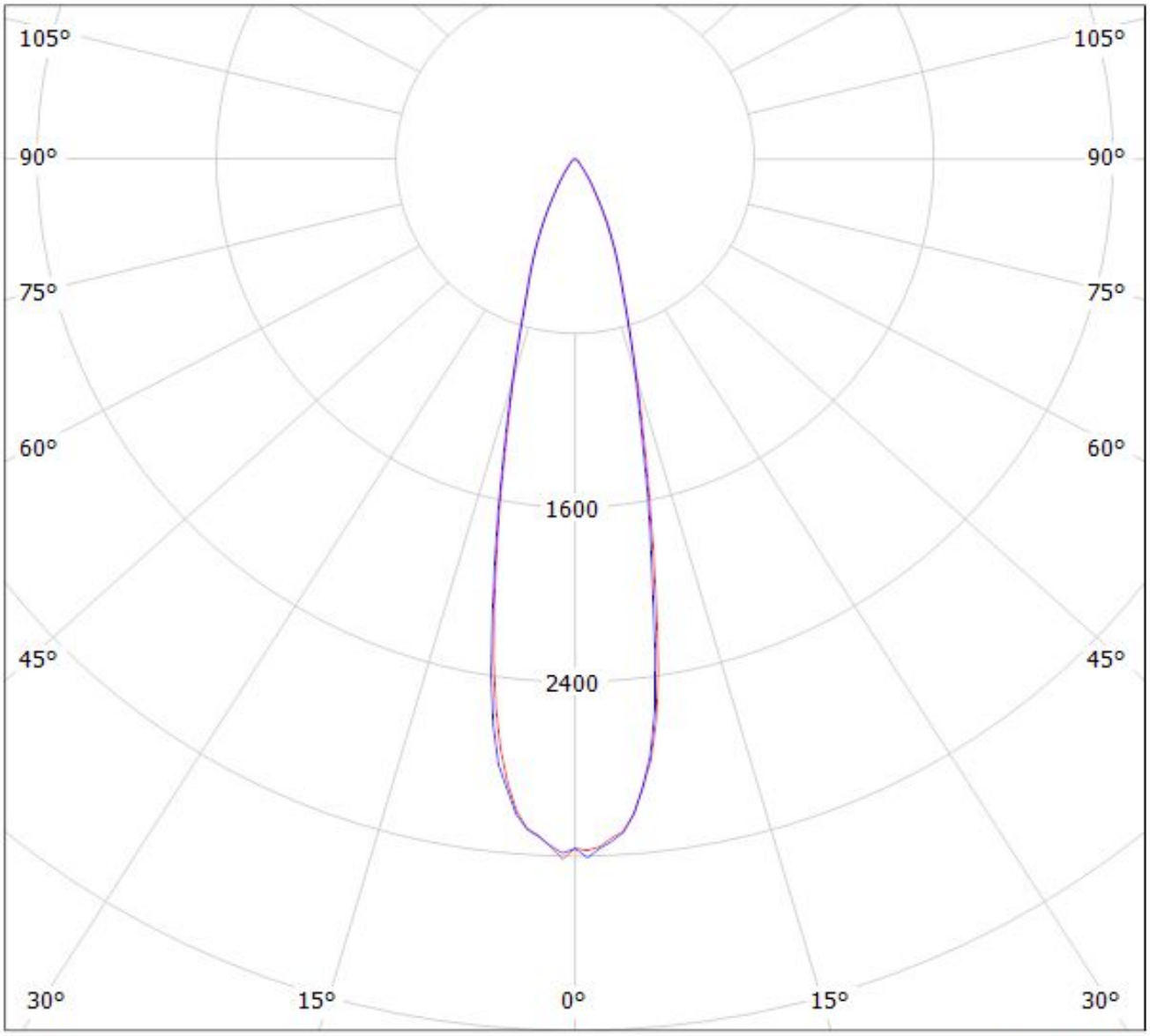


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy LARISA-RS_Rebel-ES_(CLIP8&CLIP16) Eff.88.3%
Lamps: 1 x Rebel ES (89.842lm@250mA)

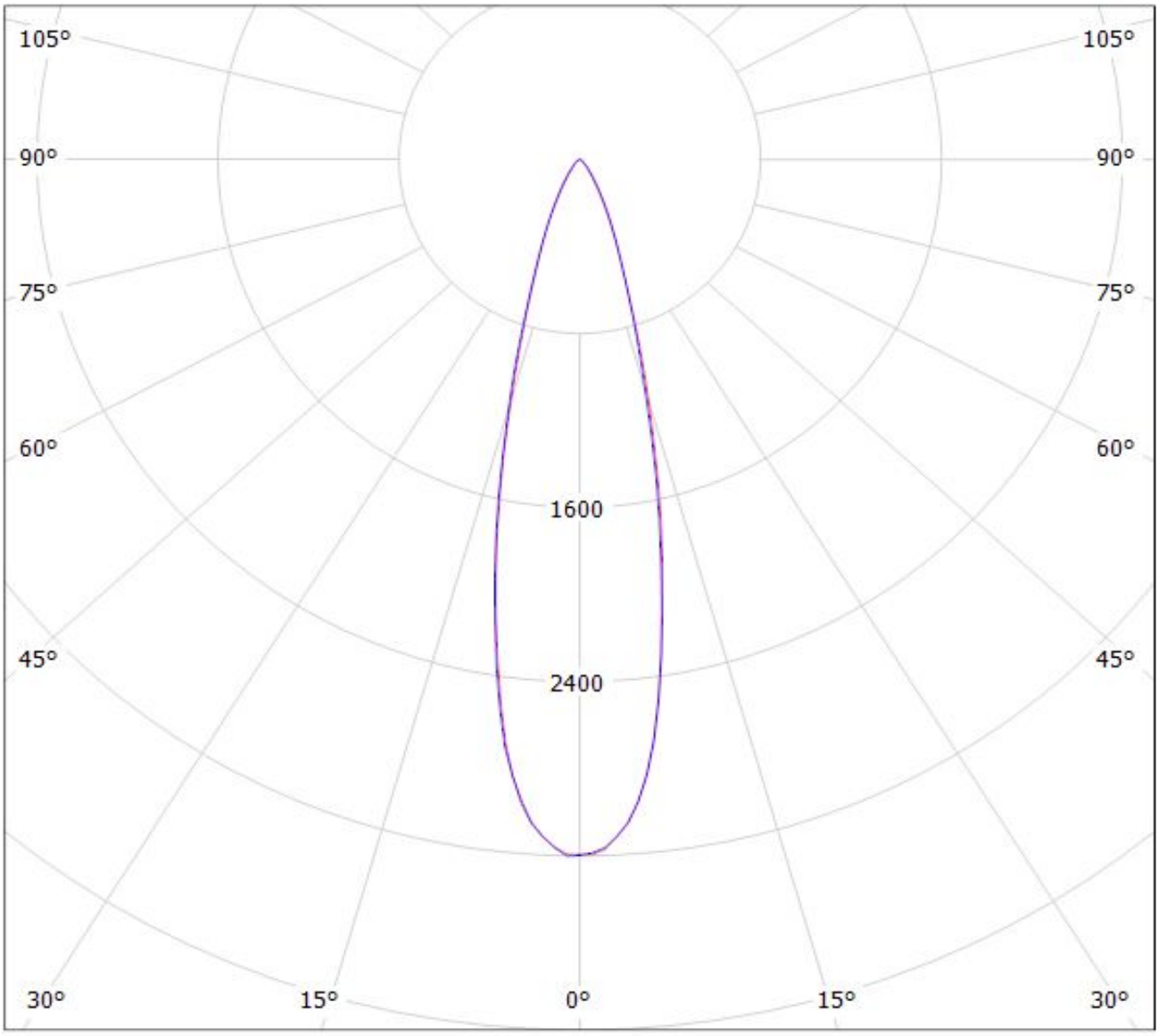


cd/klm

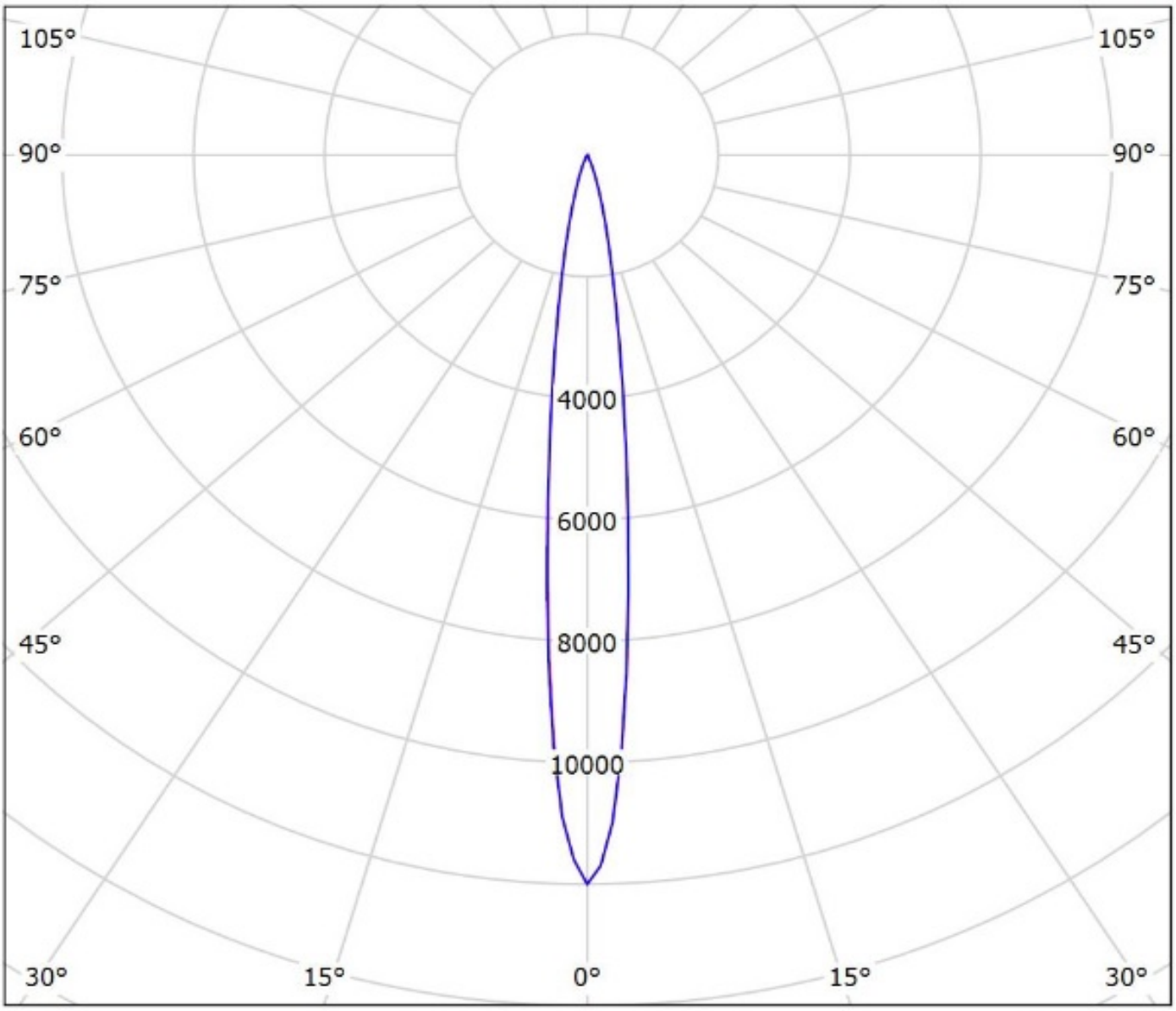
η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy LARISA-RS_Luxeon_A_(CLIP8&16) Eff.89.0%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



Luminaire: Ledil Oy CP12939_LARISA-RS-CLIP16_LUXEON-Z_SIMULATED
Lamps: 1 x LUXEON Z

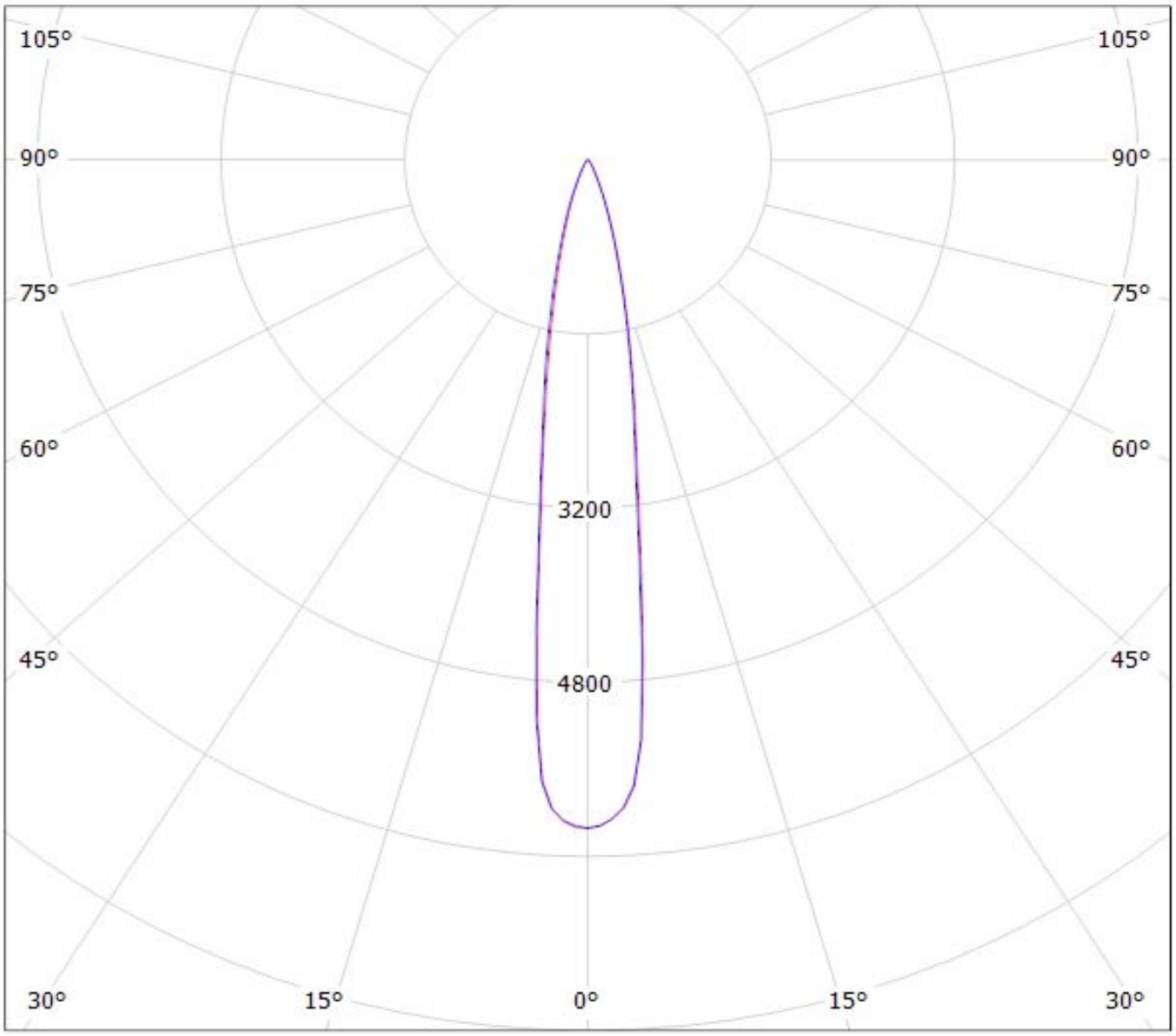


cd/klm

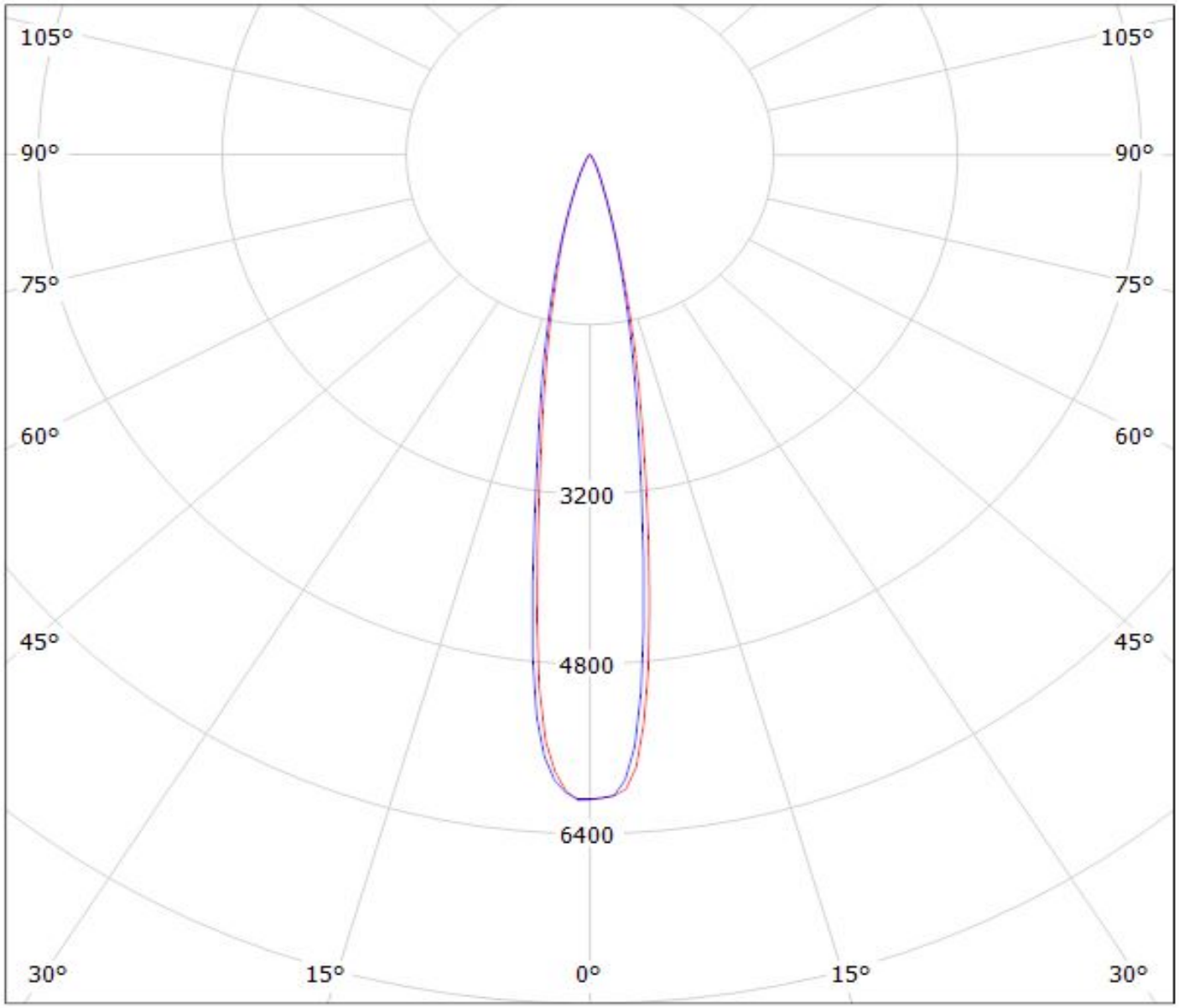
η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA



Luminaire: LEDiL Oy CP12939_LARISA-RS-CLIP16_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.9929lm@250mA_P=0.7402W_I=0.250A

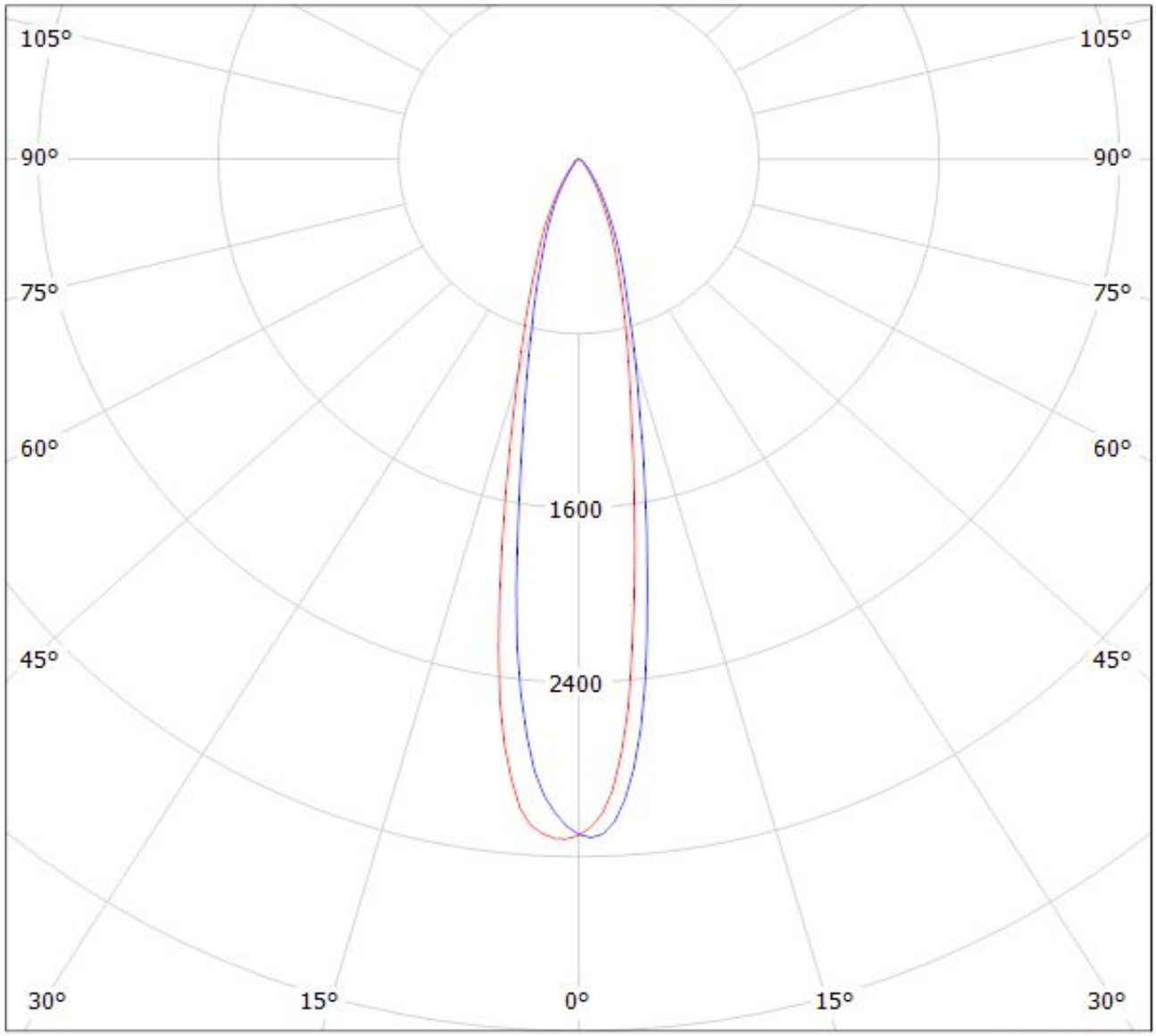


cd/klm

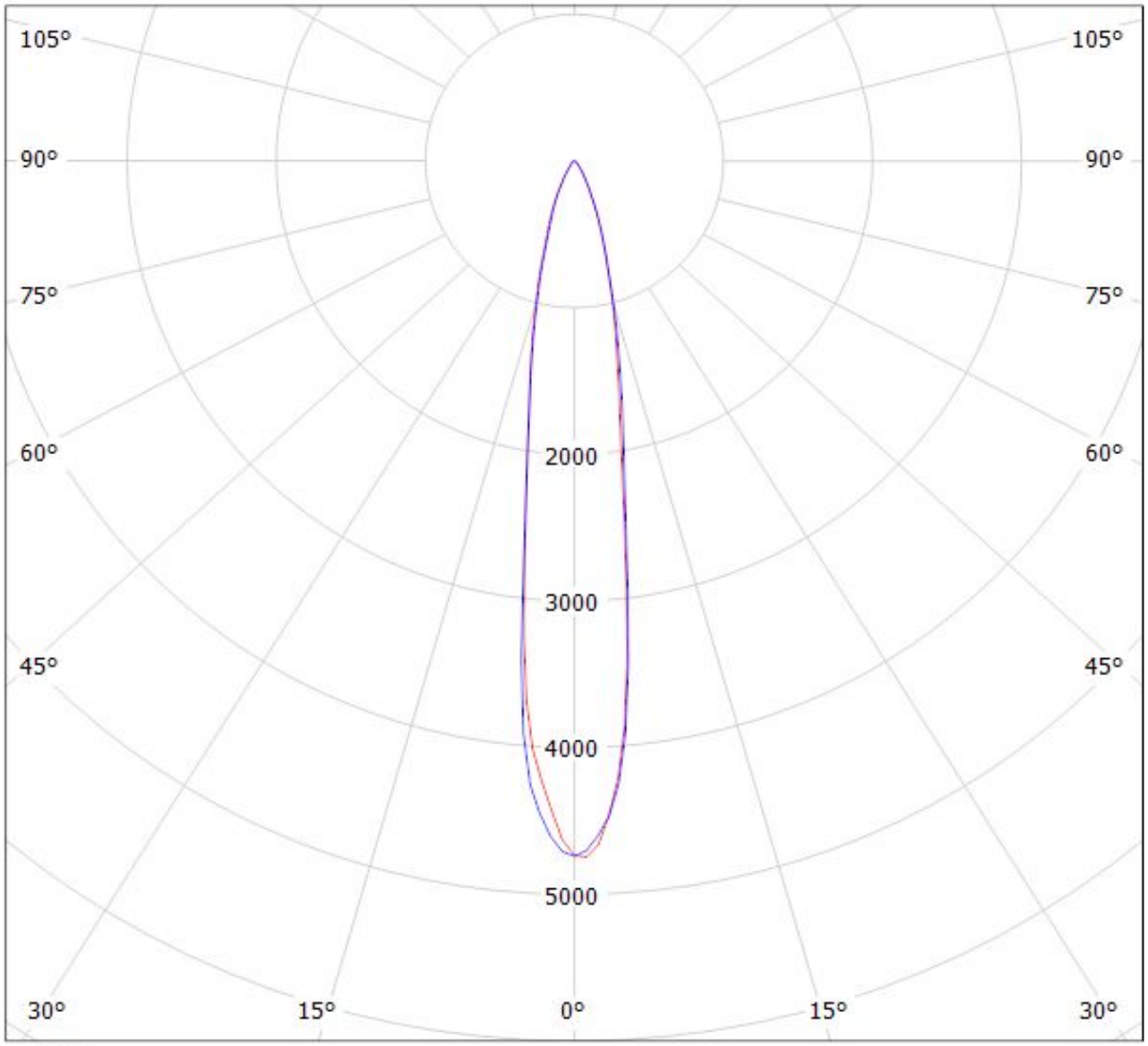
η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy LARISA-RS_NVS19_(CLIP8&CLIP16) Eff.80.4%
Lamps: 1 x NVS19 (97.9644lm@250mA)



Luminaire: LEDiL Oy LARISA-RS_NCS19_(CLIP8&CLIP16) Eff.84.%
Lamps: 1 x NCS19 (88.2595lm@250mA)

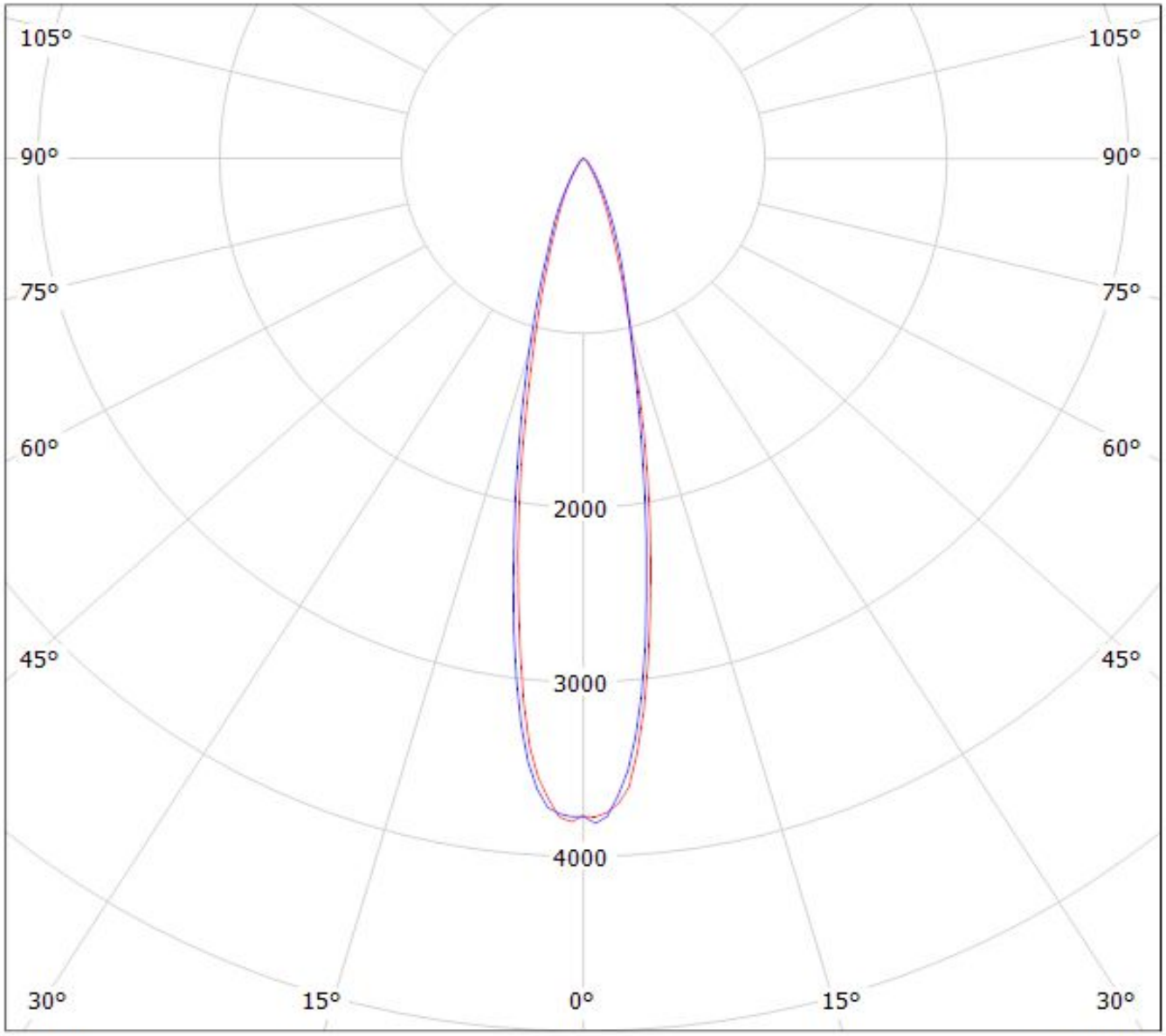


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy LARISA-RS_SQ-EC_(CLIP8&CLIP16) Eff.85.9%
Lamps: 1 x SQ-EC (64.5379lm@250mA)



cd/klm

η = 86%

C0 - C180 C90 - C270

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.