

DETAILS

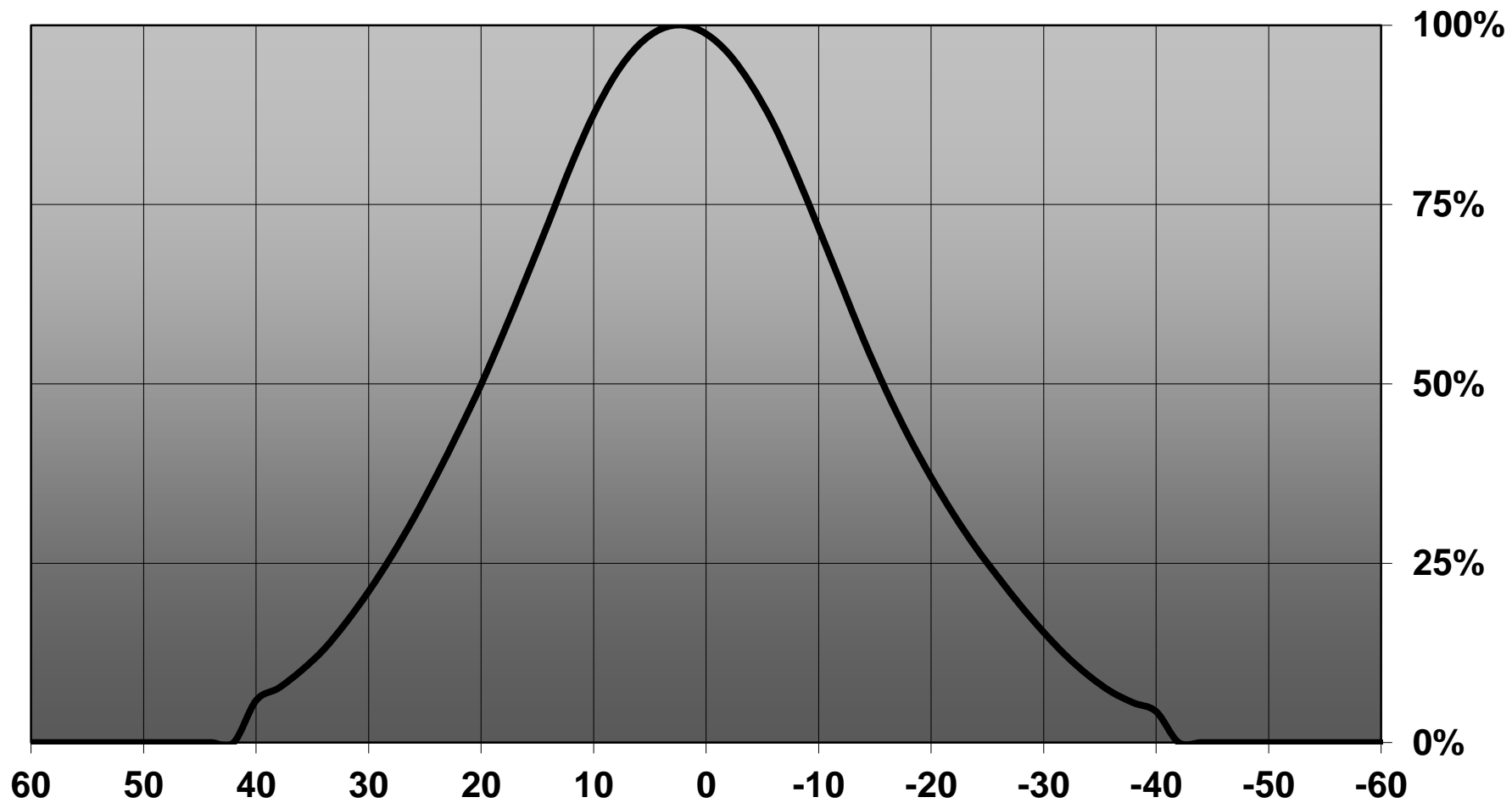
Product Number	CP12945_LARISA-W-CLIP16
Family	Larisa
Type	Assembly
Color	black
Diameter	9,9 x 9,9 mm
Height	7,5 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	glue, clips
Status	production ready
ROHS Compliant	Yes
Date Updated	3/02/2017



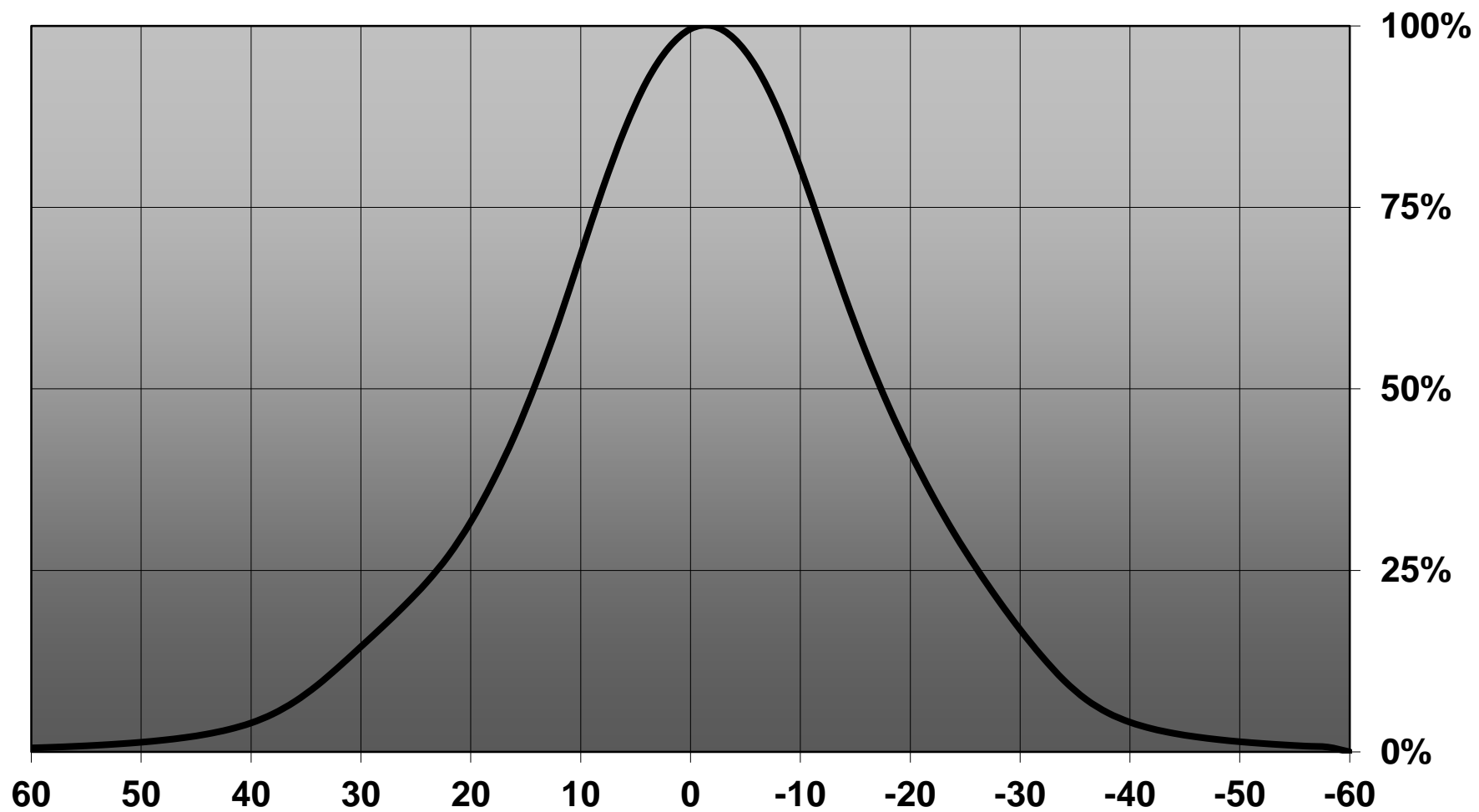
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XB-D	45 deg	Wide	84 %	1.300	-
XP-E	sim: 39	Wide	sim: 95 %	-	-
XQ-E	46 deg	Wide	84 %	1.200	-
XQ-E HI	36 deg	Wide	79 %	1.700	-
H35C0 (LEMWA33)	55 deg	Wide	82 %	1.000	-
LUXEON Rebel	47 deg	Wide	88 %	1.300	-
LUXEON A	63 deg	Wide	86 %	0.800	-
LUXEON Rebel ES	52 deg	Wide	87 %	1.100	-
LUXEON Z	32 deg	Wide	85 %	2.090	-
LUXEON Z ES	37 deg	Wide	88 %	1.740	-
NCSxx19A	39 deg	Wide	85 %	1.500	-
NVSxx19A	45 deg	Wide	84 %	1.200	-
Oslon Square EC	46 deg	Wide	82 %	1.100	-
Oslon SSL 150	55 deg	Wide	86 %	1.200	-
Duris S5 (2 chip)	41 deg	Wide	85 %	1.500	-
Oslon SSL 80	sim: 49	Wide	sim: 83 %	sim: 1.160	-

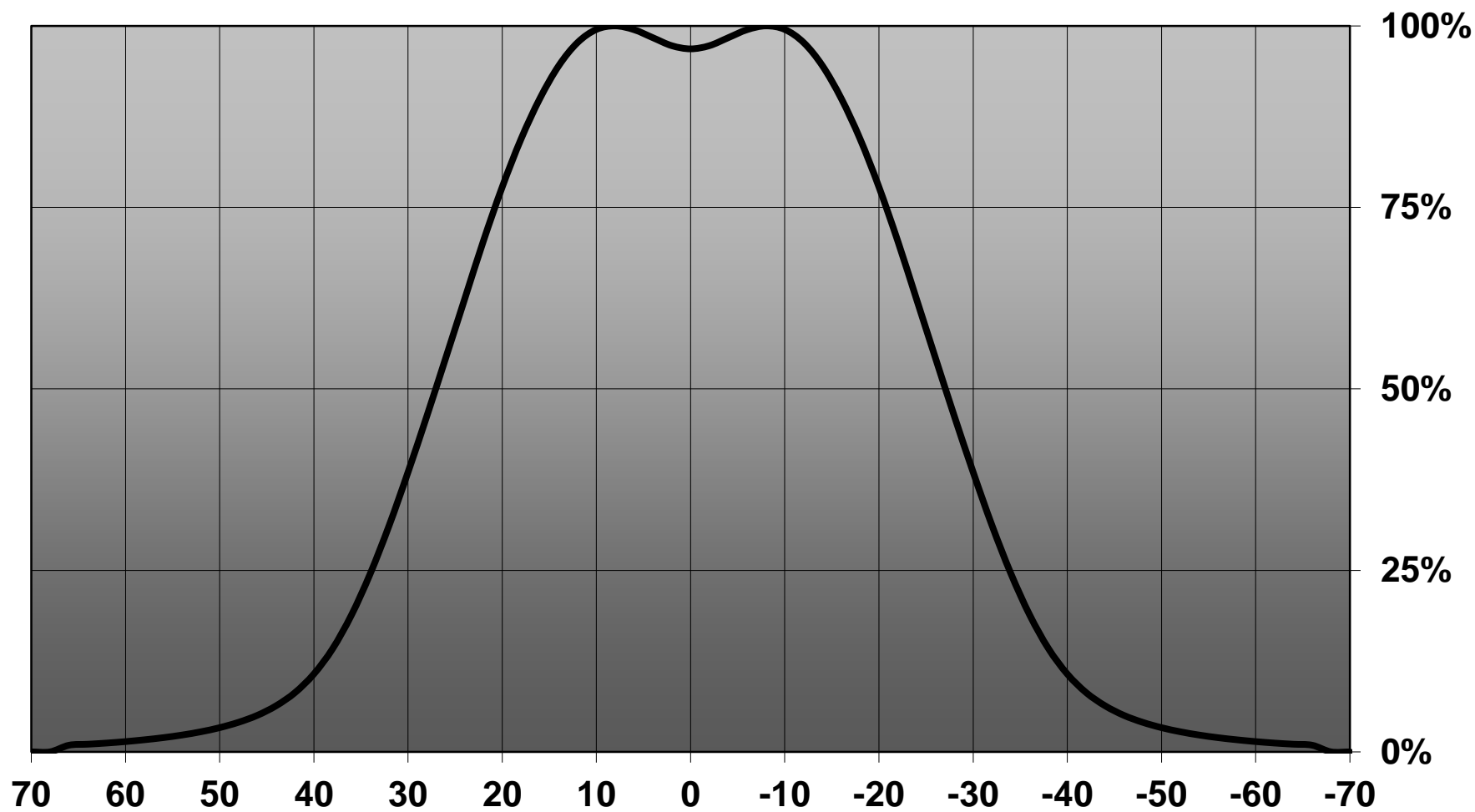
Relative intensity of CP12945_LARISA-W-CLIP16_(XQ-E_HI)



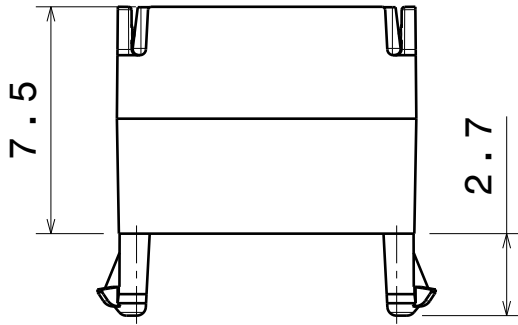
Relative intensity of CP12945_LARISA-W-CLIP16_(Luxeon Z)



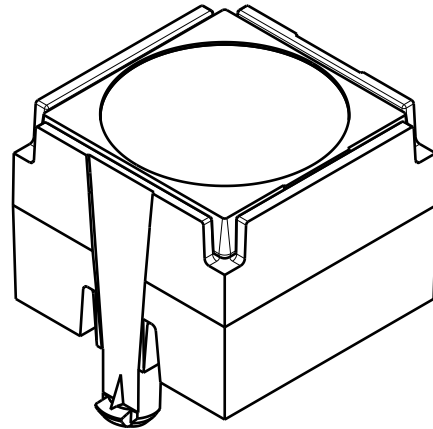
Relative intensity of LARISA-W CLIP8&CLIP16 (SSL150)



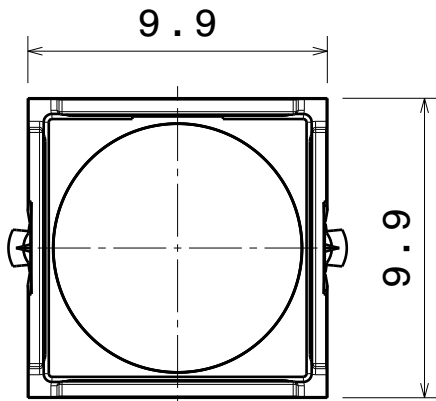
Designed for the following pin hole dimensions:
 Hole diameter 1.95mm
 Hole distance 8.6mm
 PCB thickness 1.6mm



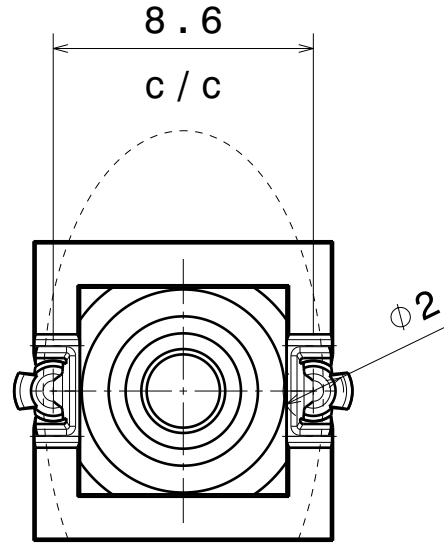
Front view



Isometric view
 Scale: 4:1



Top view



Bottom view

Oval beam direction

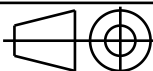
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C12908	LARISA-HOLDER-CLIP16	PC	black

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

Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

LARISA-CLIP16 series

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SIZE PART NUMBER

A4

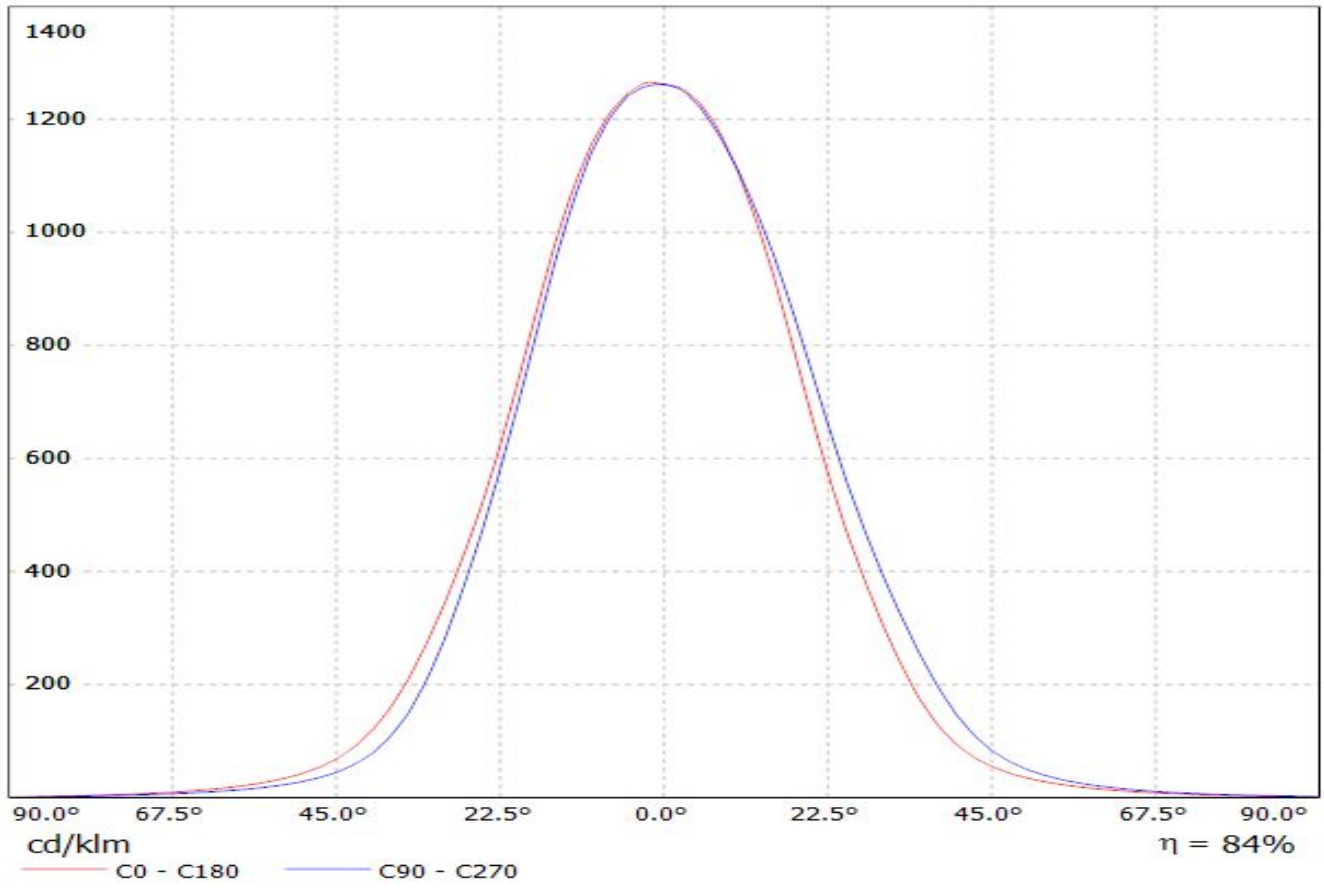
-

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

D

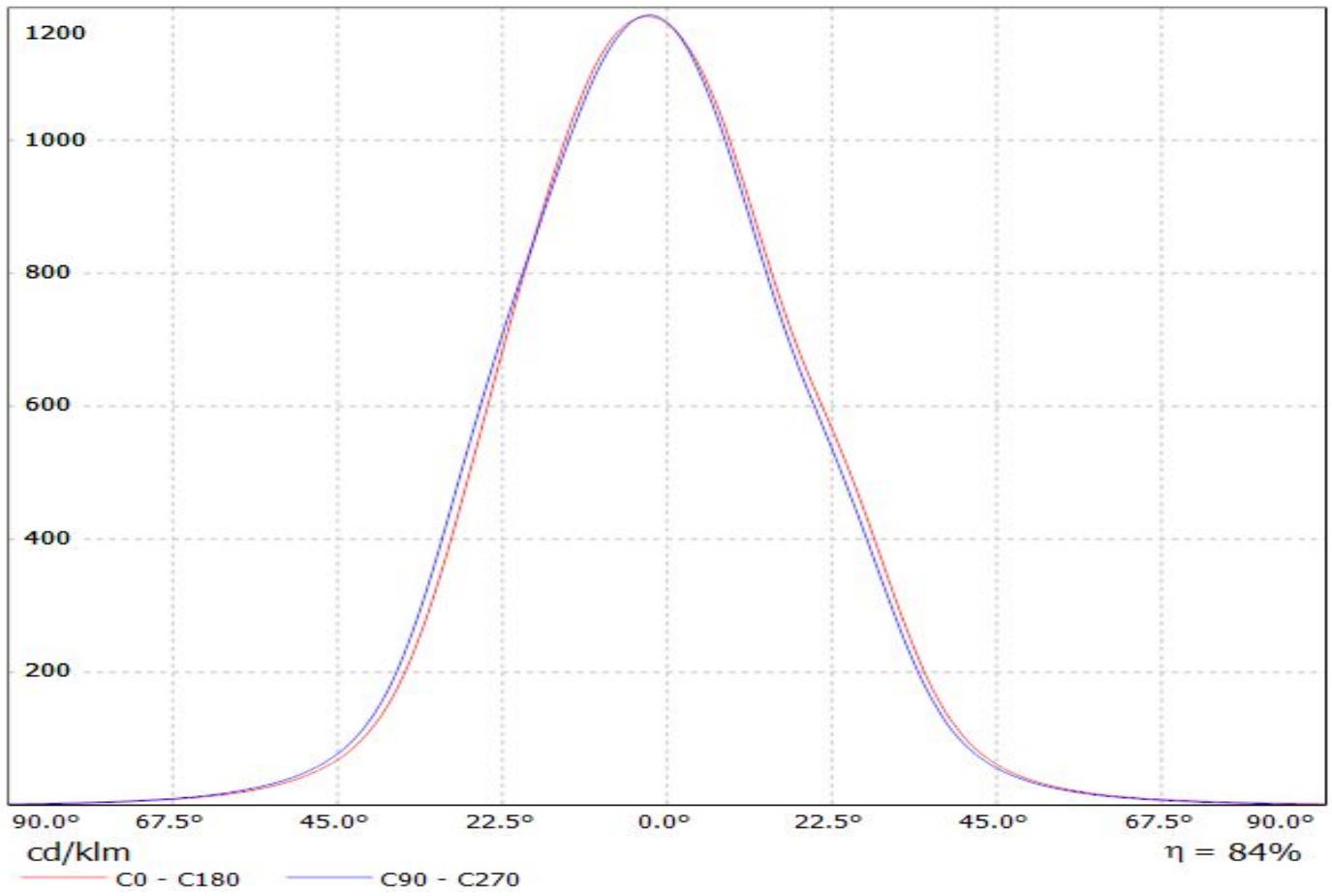
A

Luminaire: LEDIL OY CP12944&CP12945_LARISA-W_(XB-D) Eff.84%
Lamps: 1 x XB-D (91.55lm@250mA)

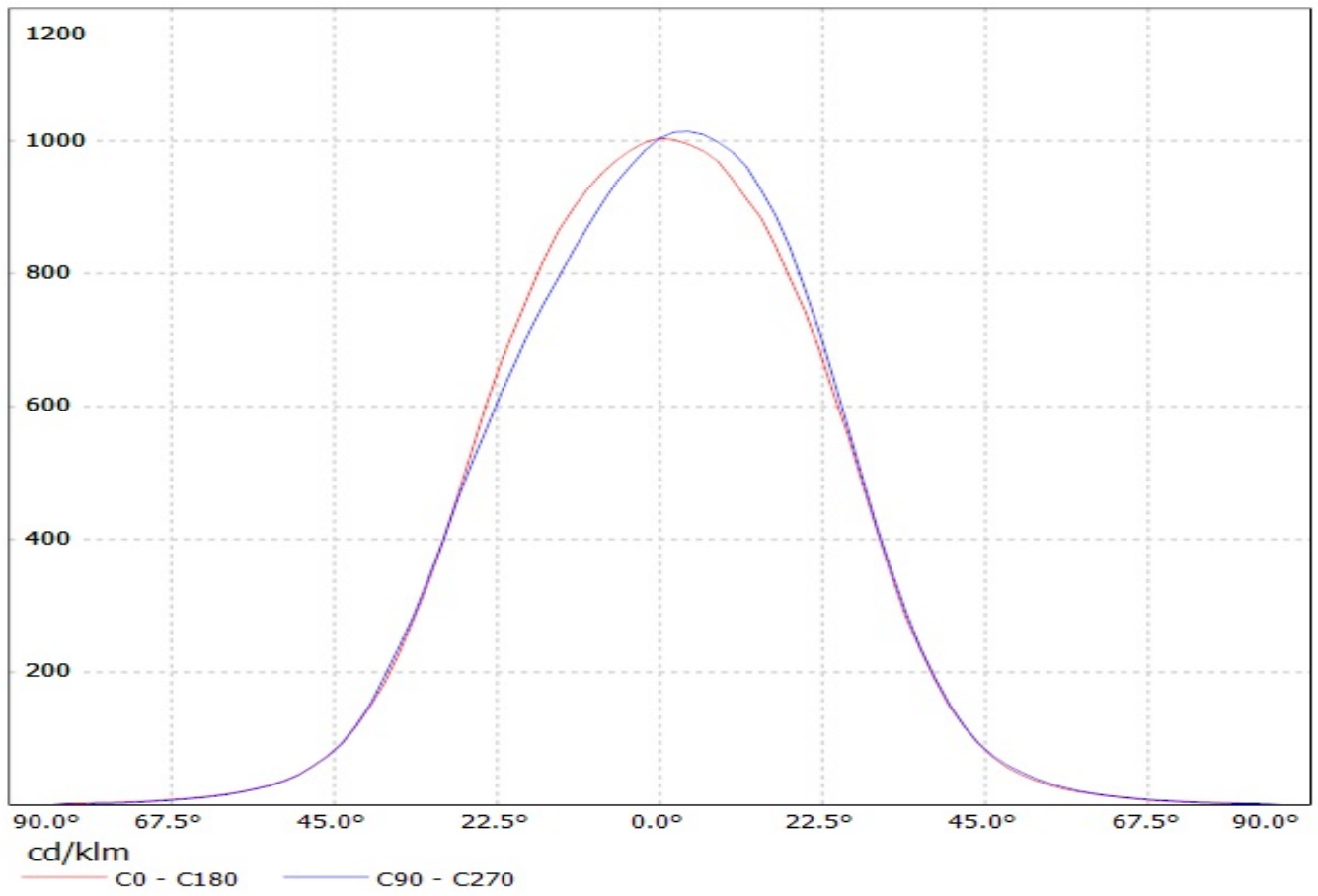


Luminaire: LEDiL Oy CP12944_LARISA-W-CLIP8_(XQ-E)

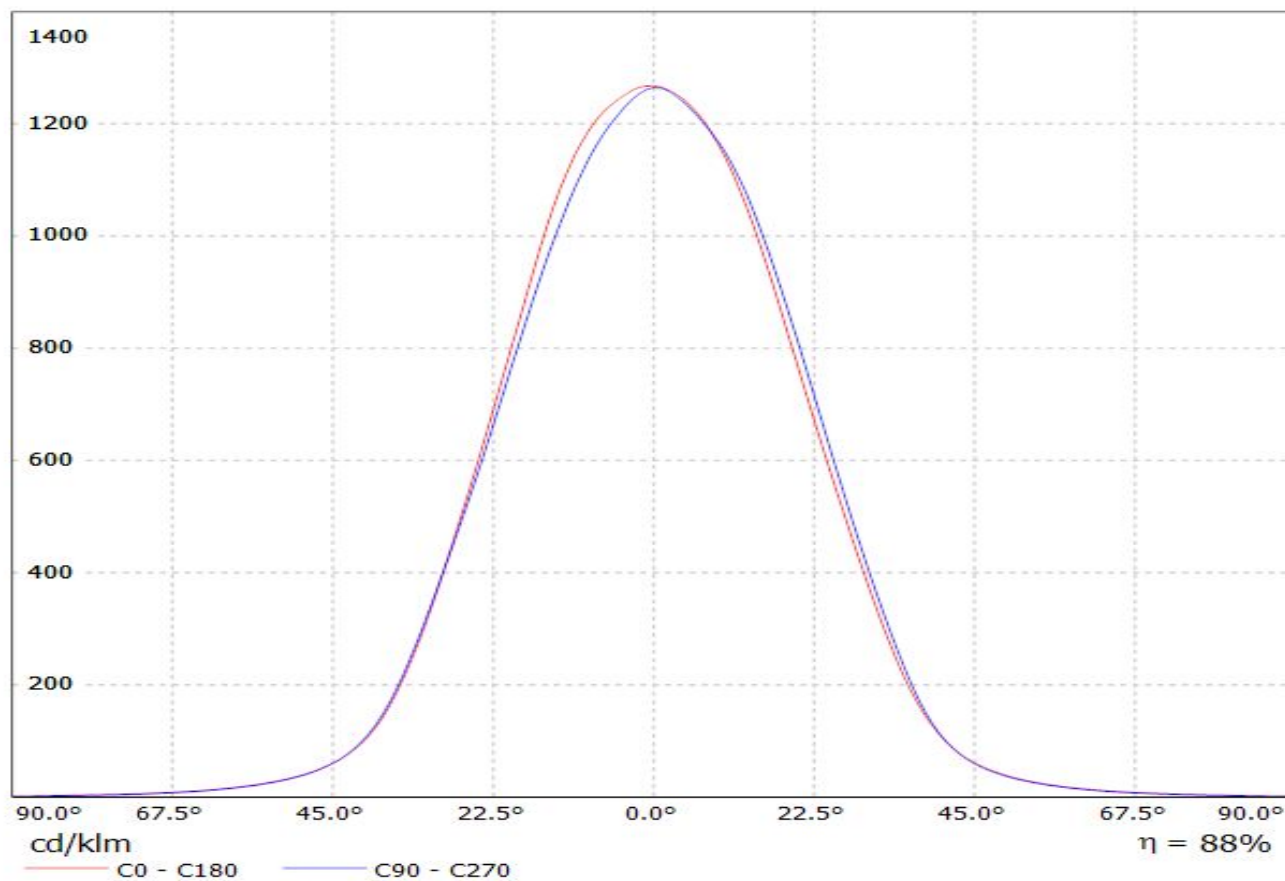
Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001_81.2847lm@250mA_P=0.764419W_I=250mA)



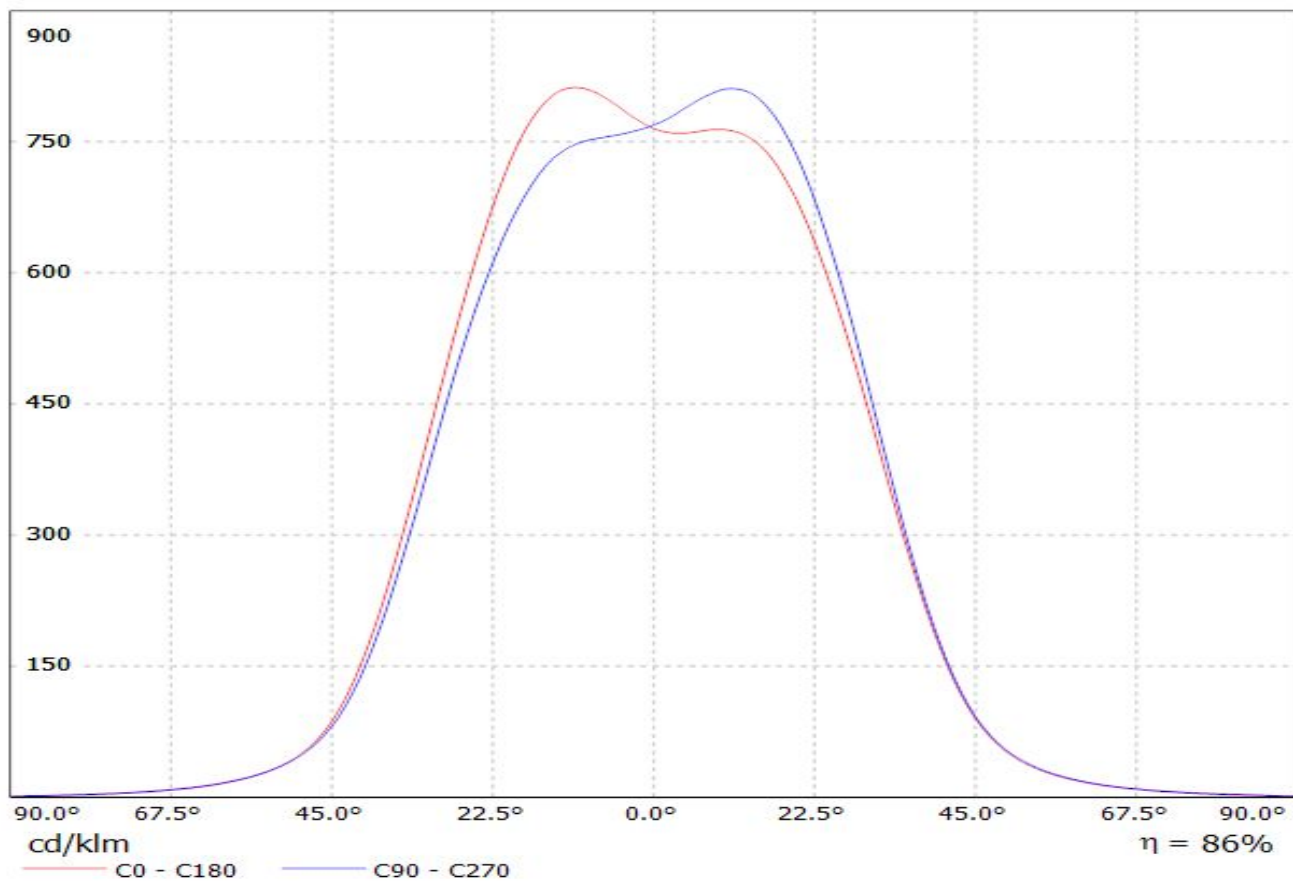
Luminaire: Ledil Oy CP12945_LARISA-W-CLIP16_(3535-3W) Efficiency=85%
Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 96lm@250mA CCT=6500K P=0.7W I=250mA



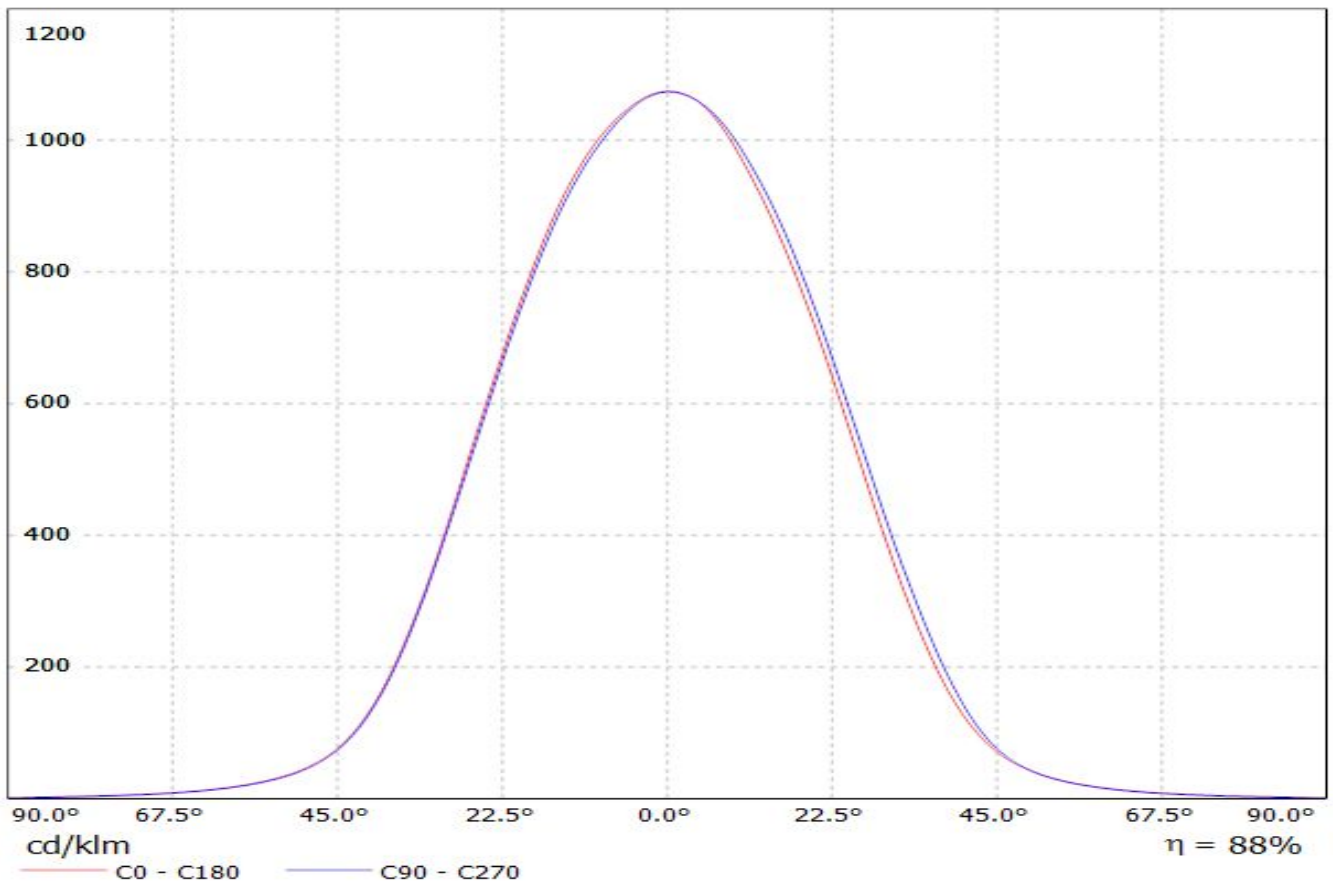
Luminaire: LEDiL Oy LARISA-W_Rebel_(CLIP8CLIP16) Eff.88.4%
Lamps: 1 x Rebel (80.8775lm@250mA)



Luminaire: LEDiL Oy LARISA-W_Luxeon_A_(CLIP8&CLIP16)) Eff.86.2%
Lamps: 1 x Luxeon A (66.8723lm@250mA)

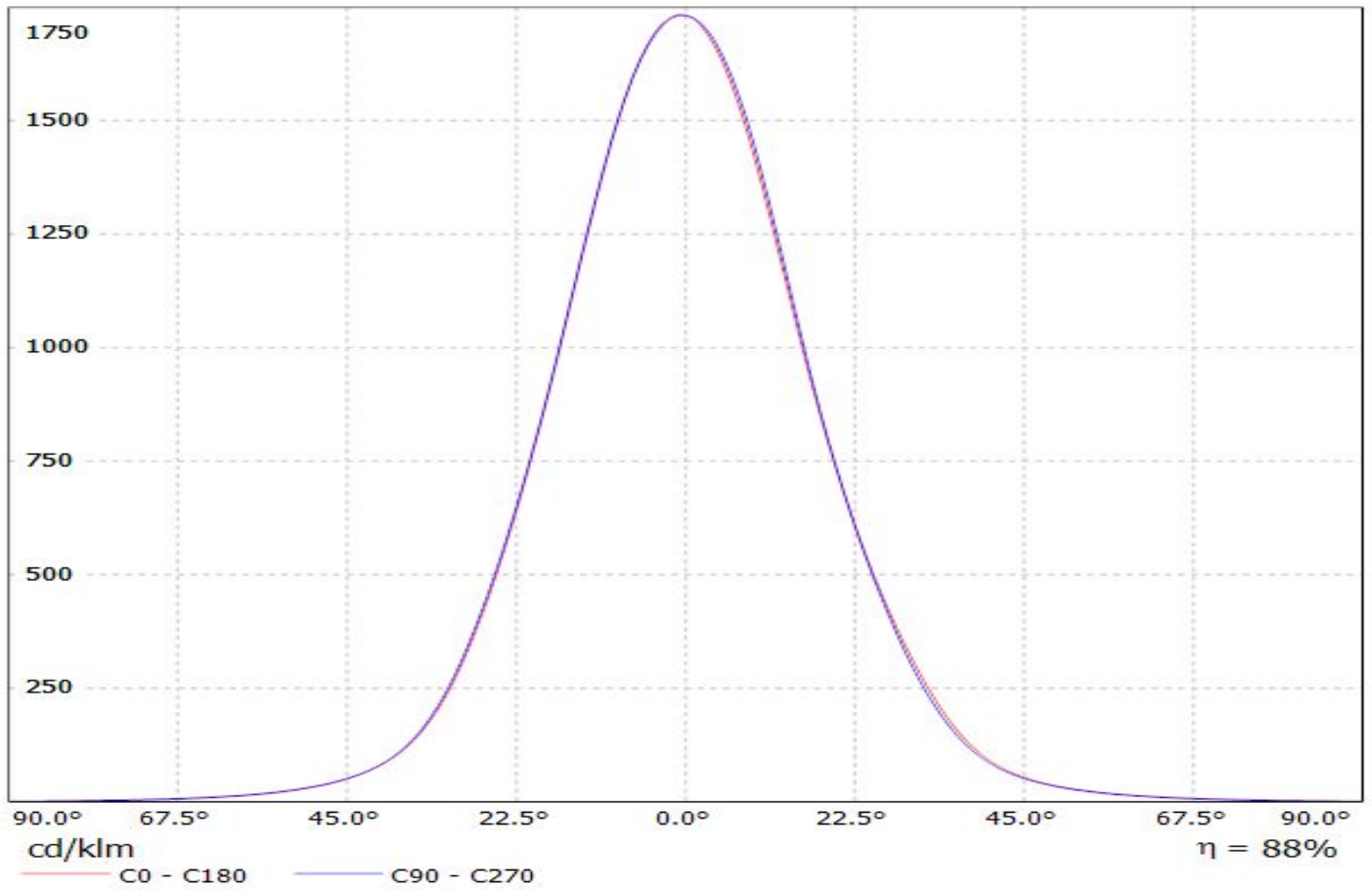


Luminaire: LEDiL Oy LARISA-W_Rebel-ES_(CLIP8&CLIP16) Eff.87.5%
Lamps: 1 x Rebel ES (89.842lm@250mA)

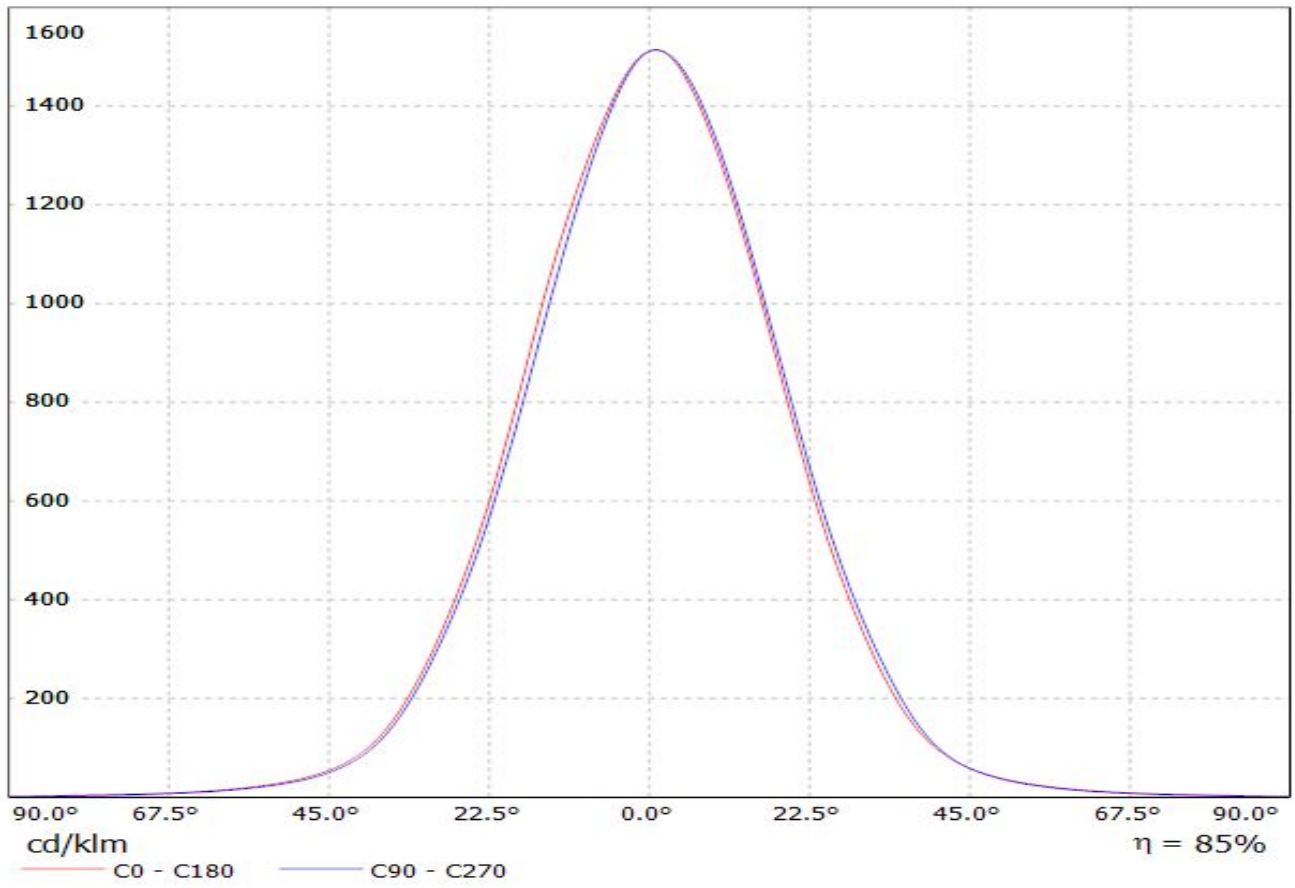


Luminaire: LEDiL Oy CP12945_LARISA-W-CLIP16_(Luxeon_Z_ES)

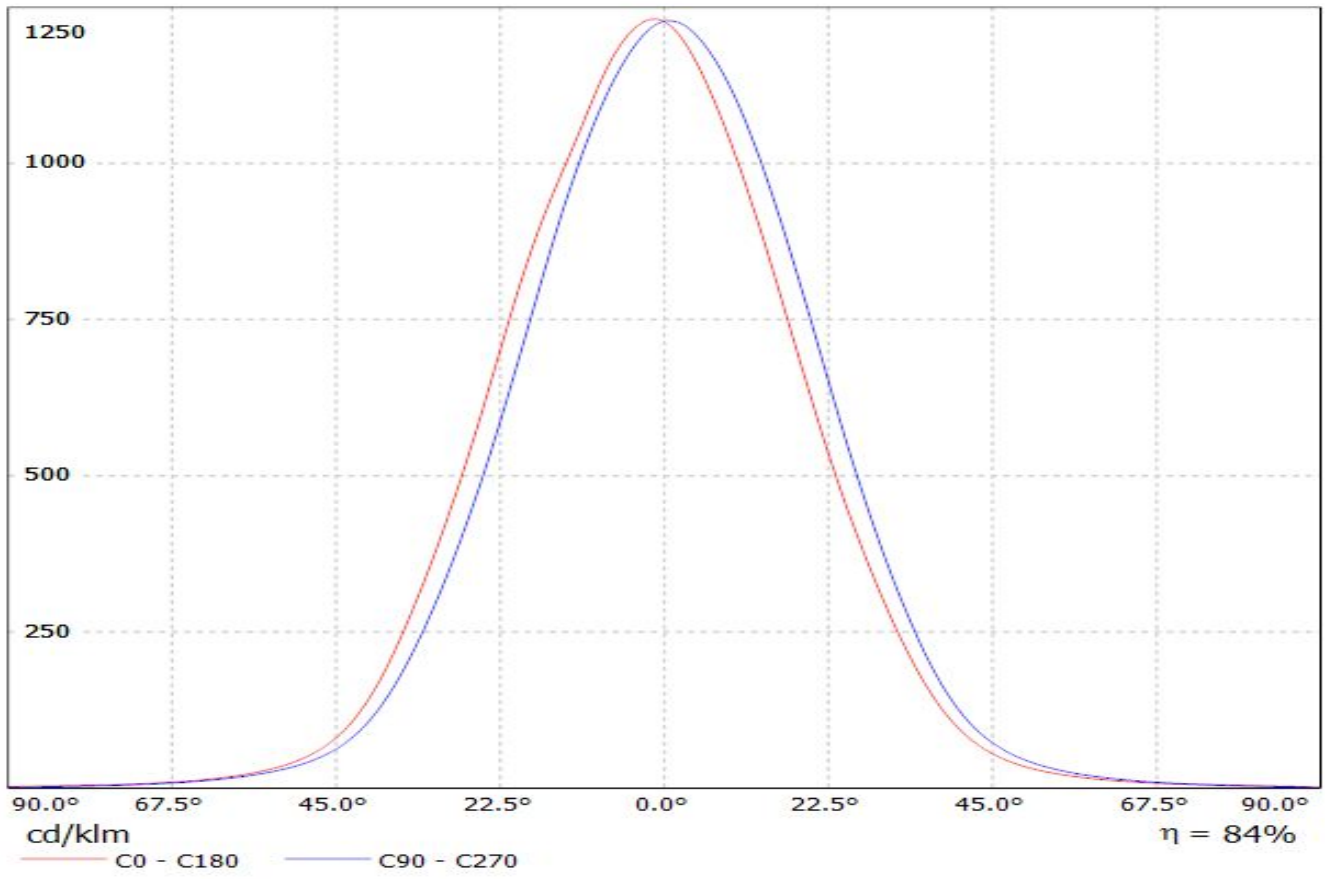
Lamps: 1 x Philips_Lumileds_Luxeon_Z_ES_(LX22-2790)_51.1518lm@250mA_P=0.73718W_I=249.9mA



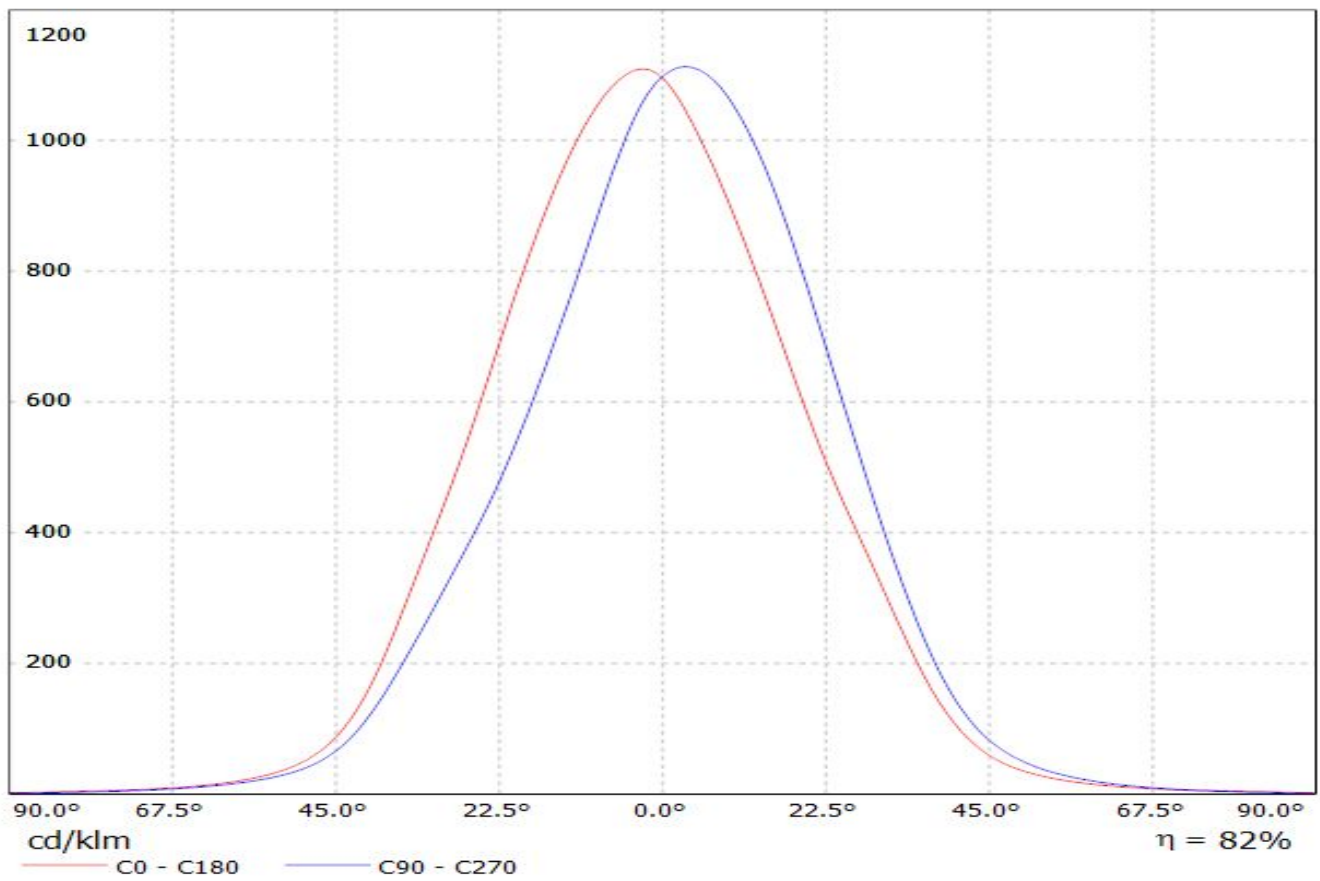
Luminaire: LEDiL Oy LARISA-W_NCS19_(CLIP8&CLIP16) Eff.84.7%
Lamps: 1 x NCS19 (88.2595lm@250mA)



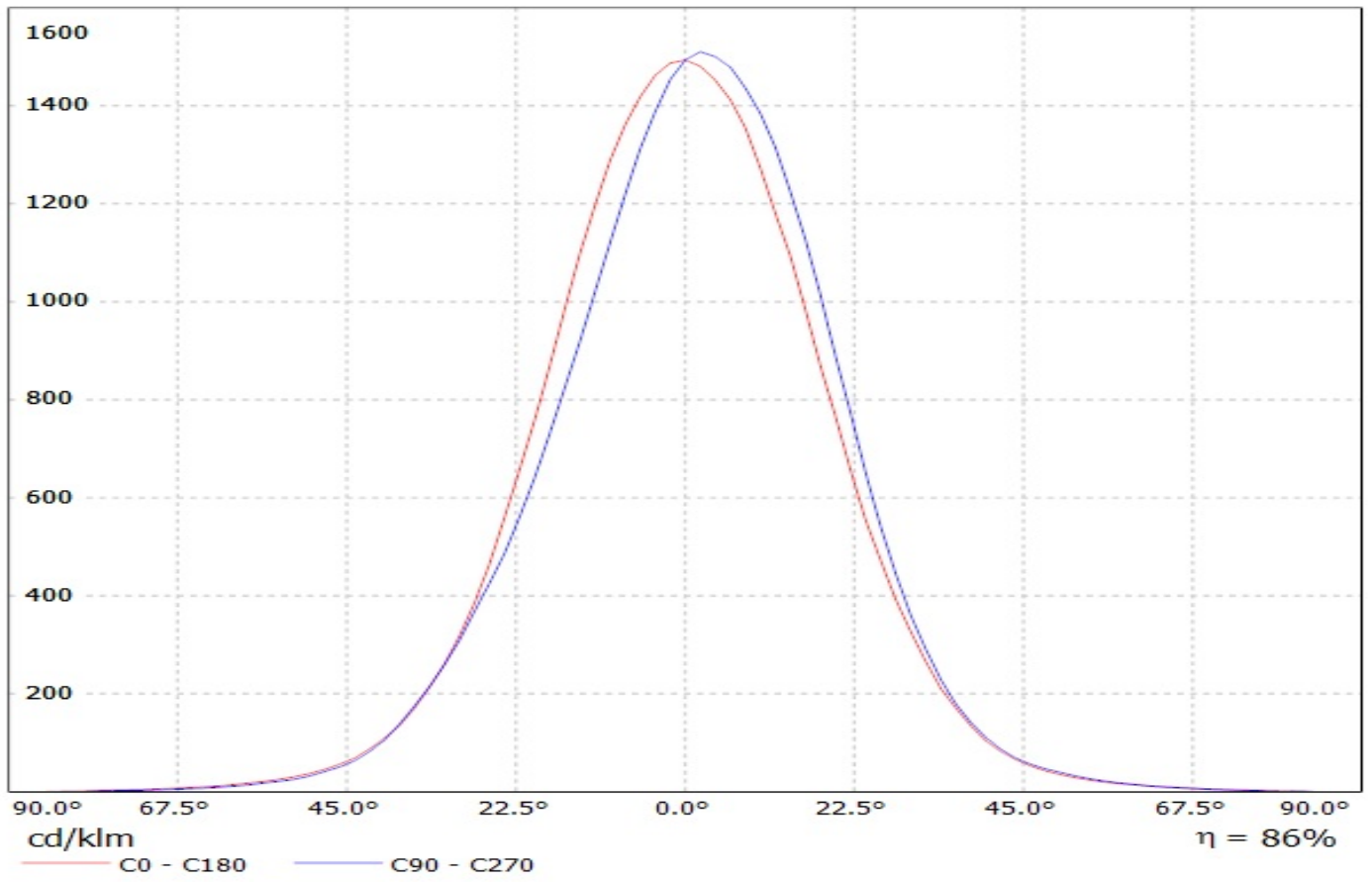
Luminaire: LEDiL Oy LARISA-W_NV519_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x NV519 (97.9644lm@250mA)



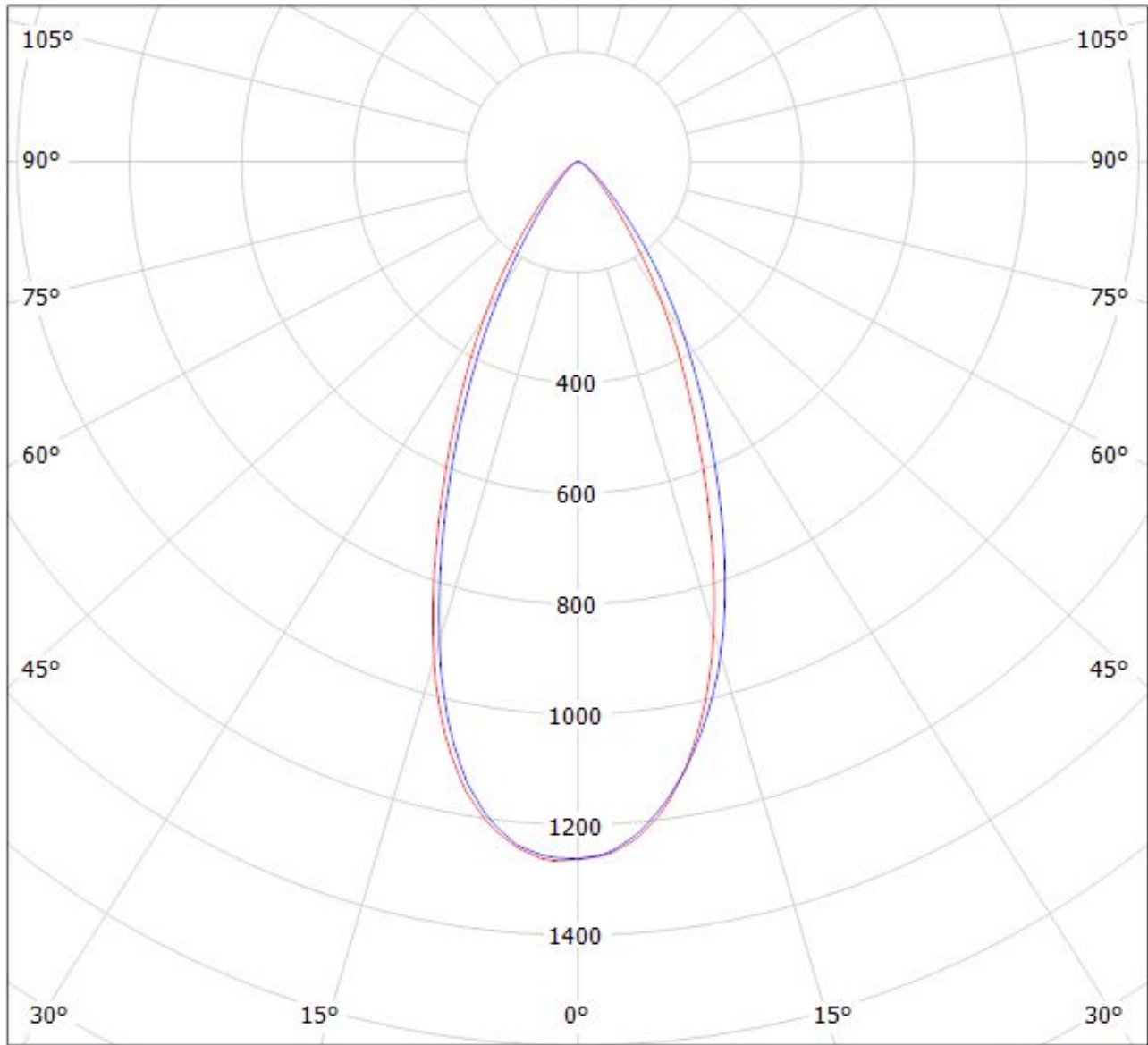
Luminaire: LEDiL Oy LARISA-W_SQ-EC_(CLIP8&CLIP16) Eff.81.8%
Lamps: 1 x SQ-EC (64.5379lm@250mA)



Luminaire: LEDil Oy CP12945_LARISA-W-CLIP16_(DURIS_S5) Efficiency=85%
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



Luminaire: LEDIL OY CP12944&CP12945_LARISA-W_(XB-D) Eff.84%
Lamps: 1 x XB-D (91.55lm@250mA)



cd/klm

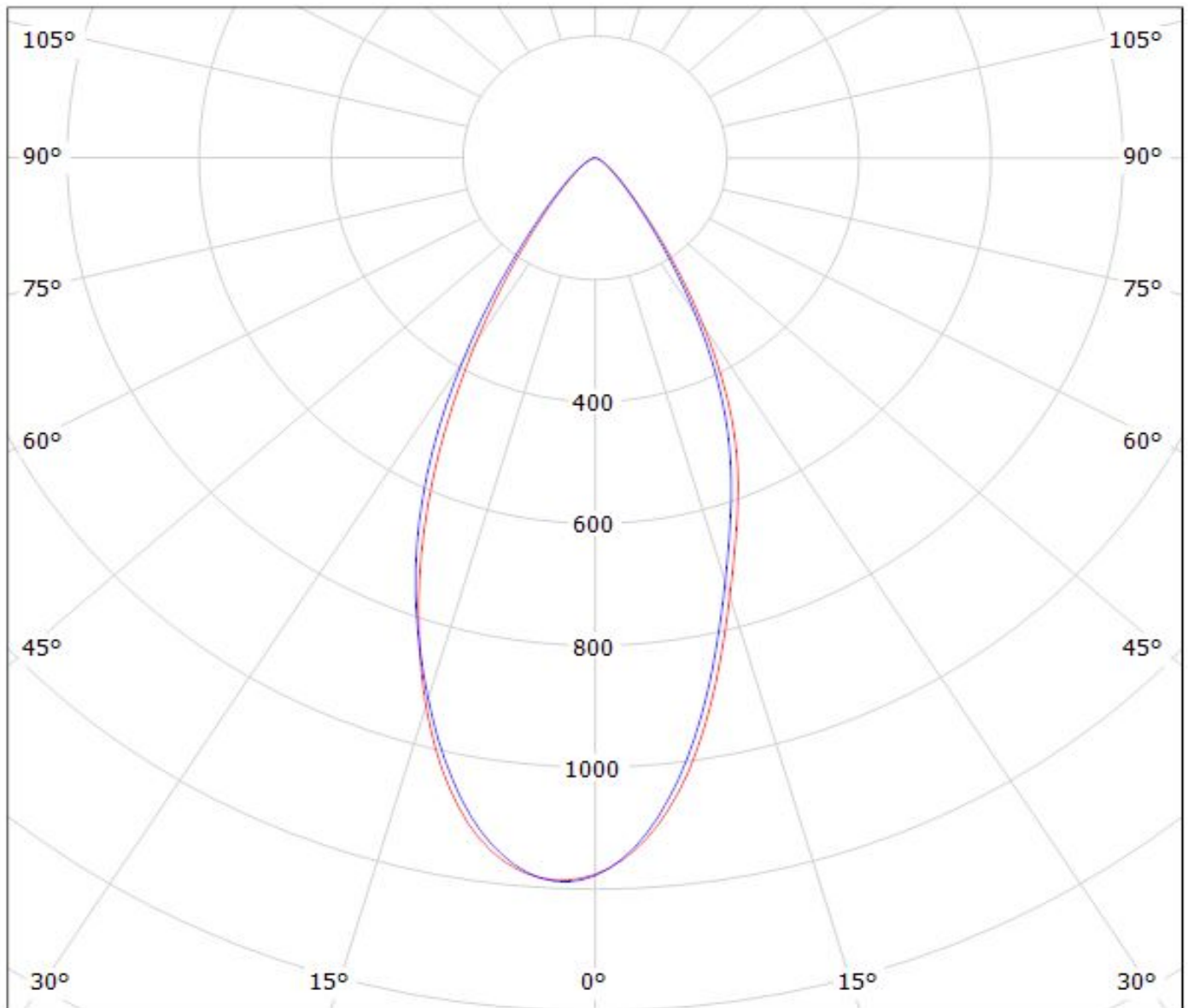
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy CP12944_LARISA-W-CLIP8_(XQ-E)

Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001_81.2847lm@250mA_P=0.764419W_I=250mA



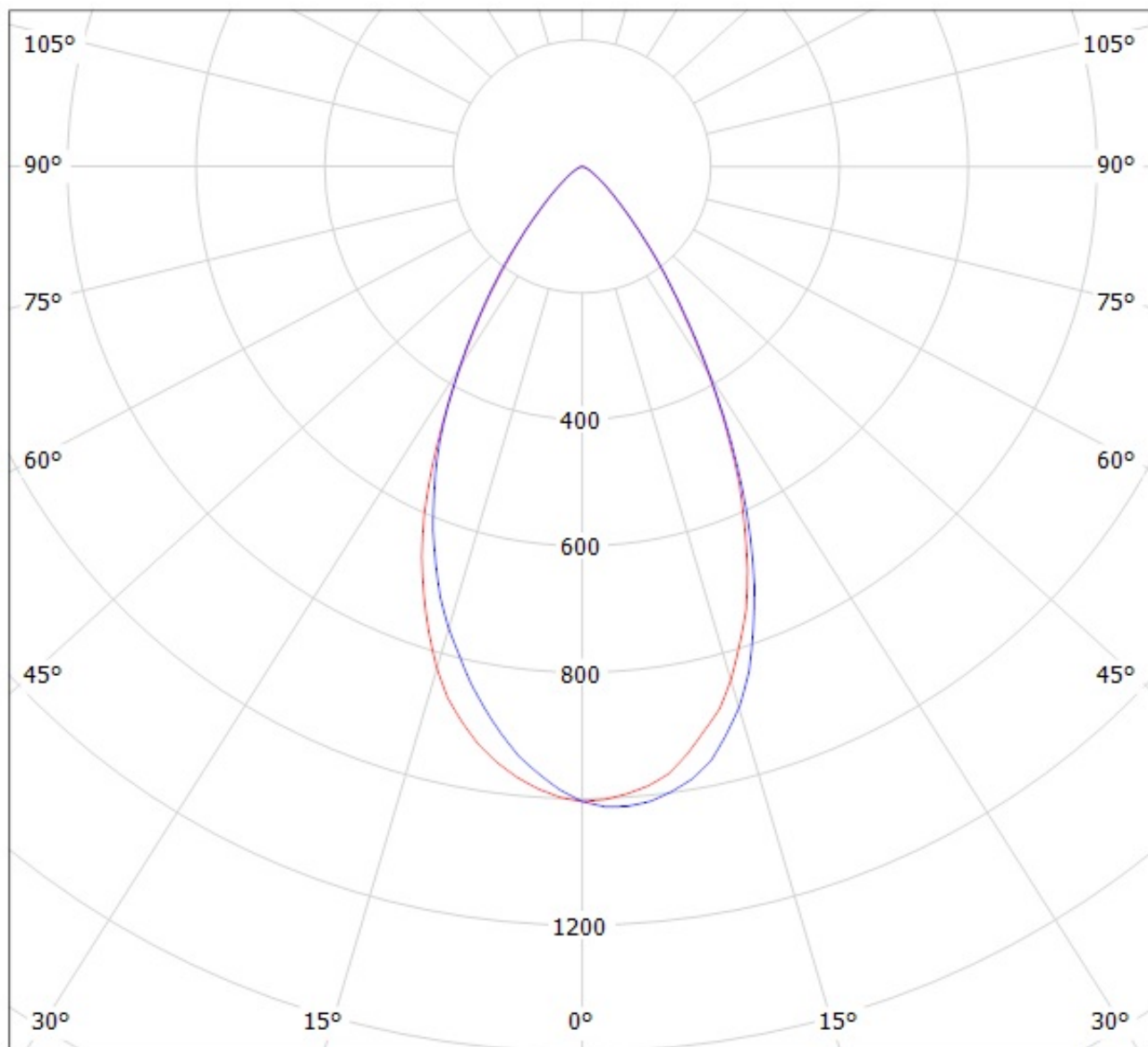
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: Ledil Oy CP12945_LARISA-W-CLIP16_(3535-3W) Efficiency=85%
Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 96lm@250mA CCT=6500K P=0.7W I=250mA

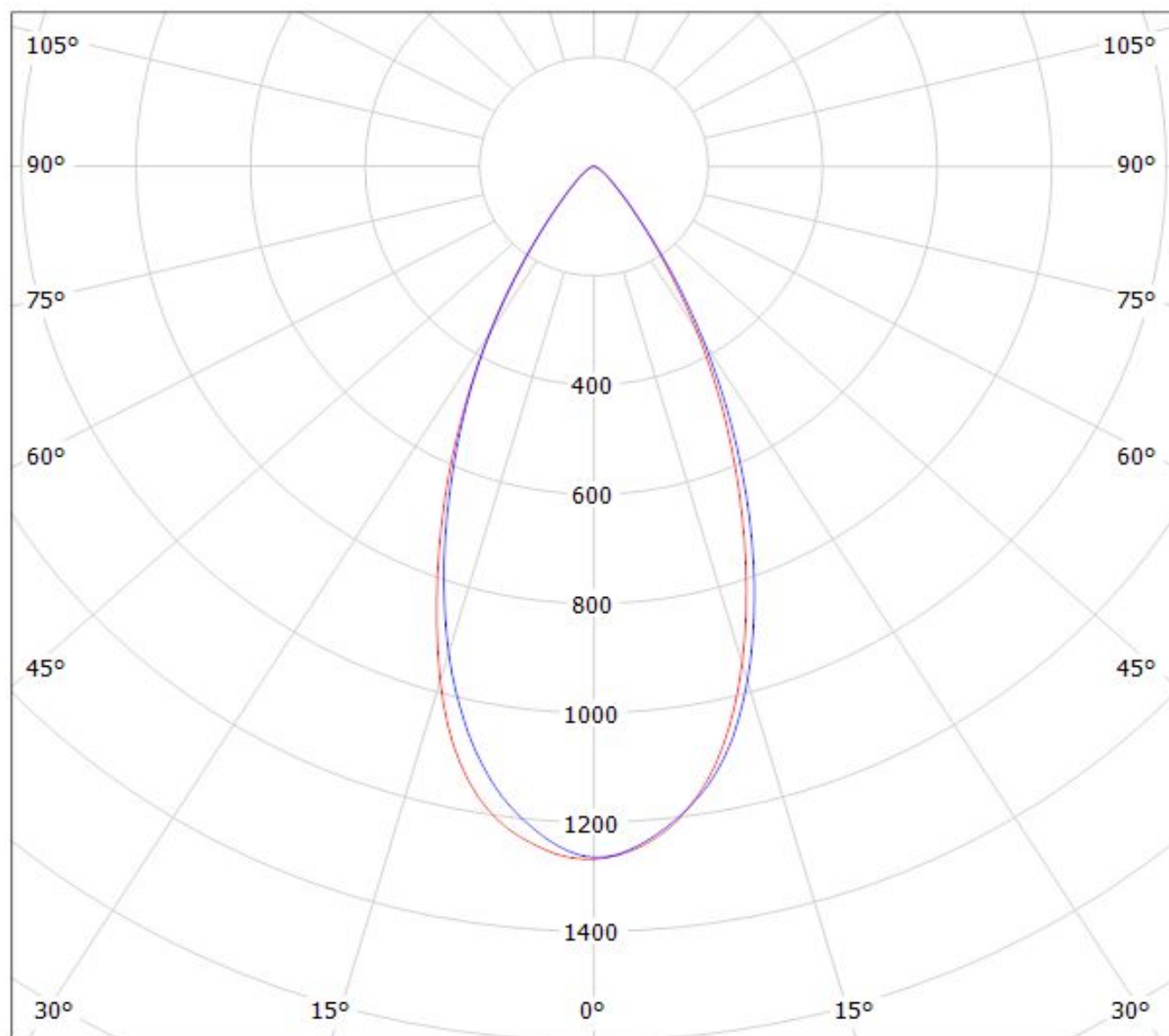


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy LARISA-W_Rebel_(CLIP8CLIP16) Eff.88.4%
Lamps: 1 x Rebel (80.8775lm@250mA)

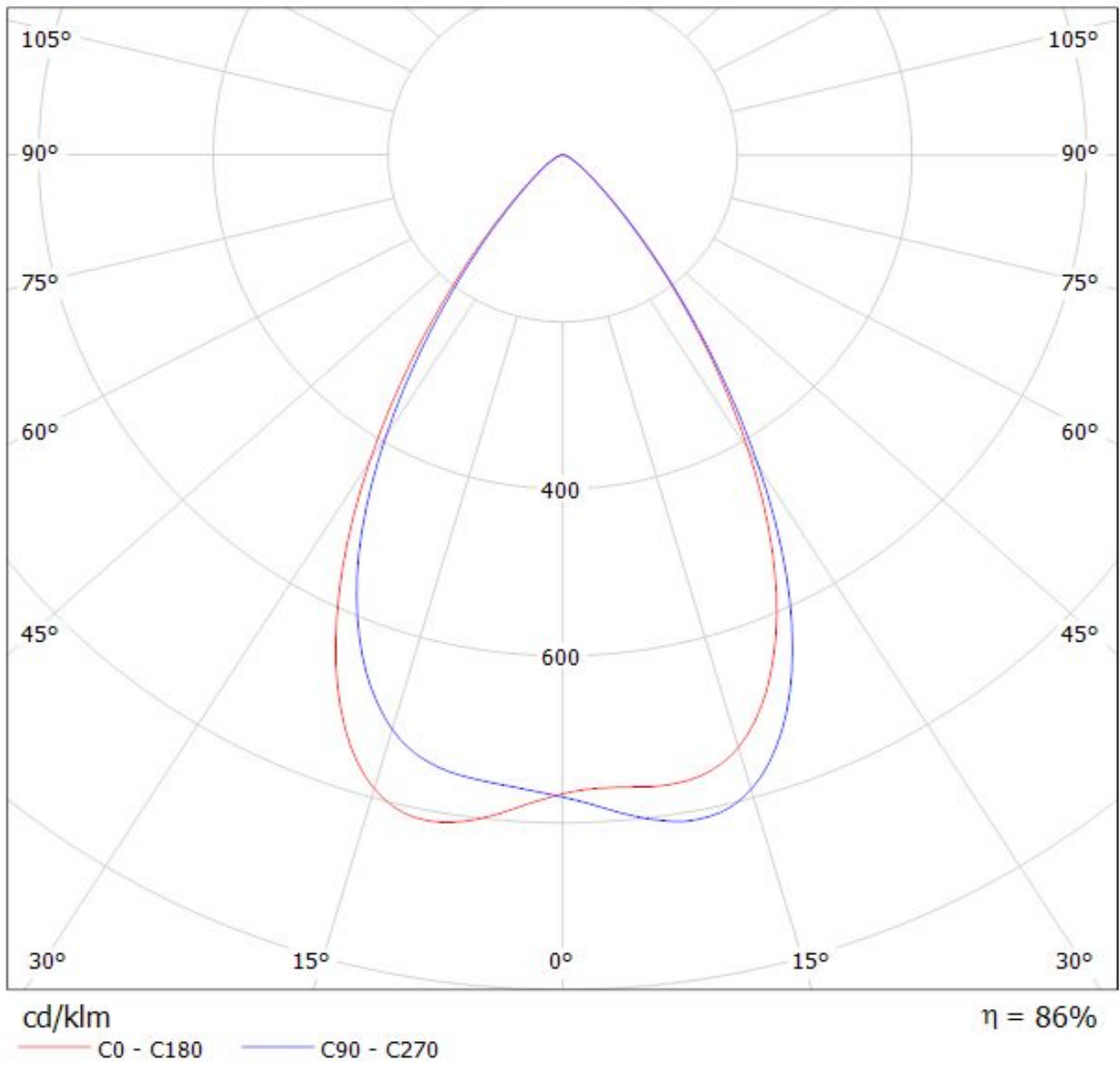


cd/klm

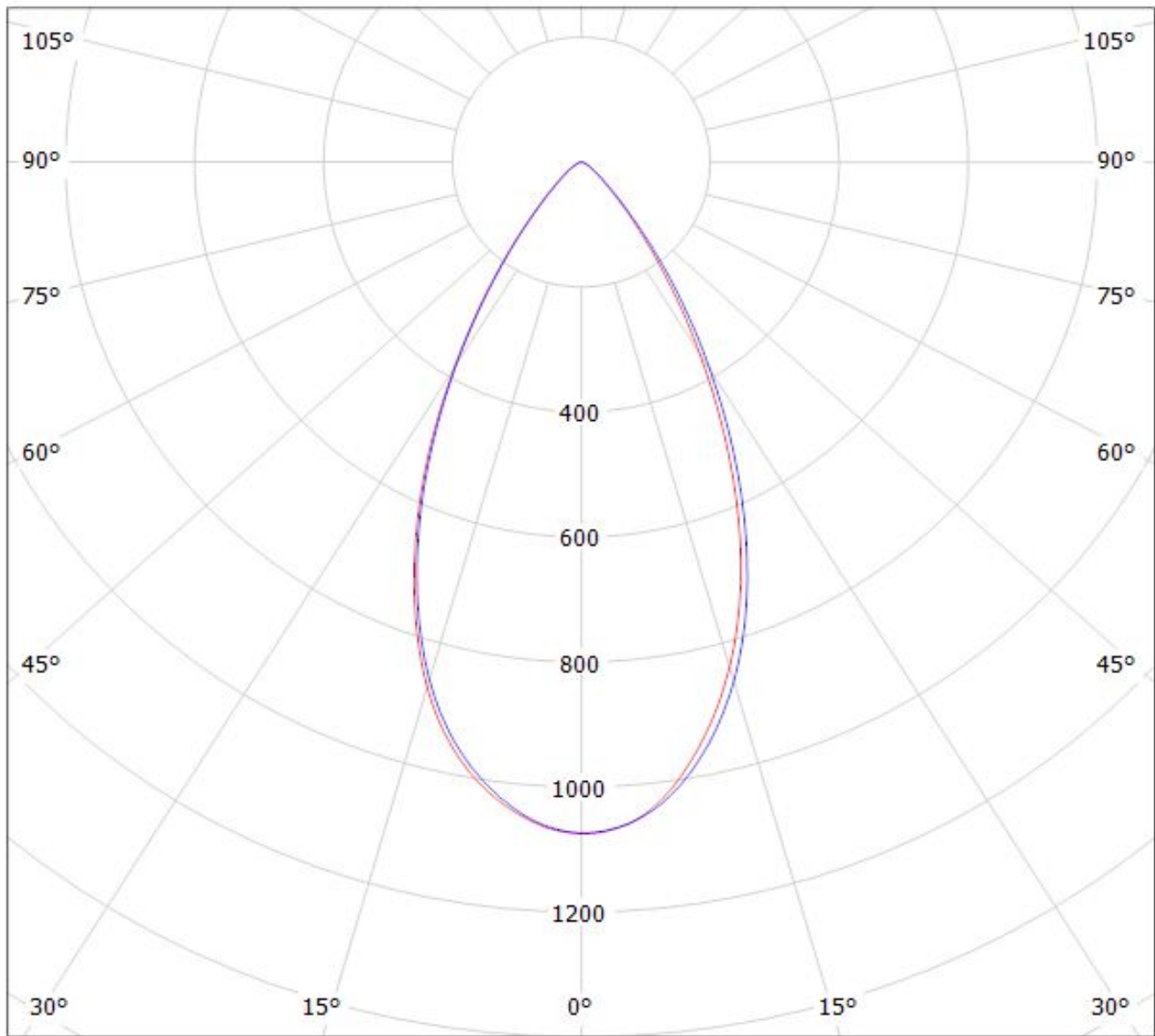
— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy LARISA-W_Luxeon_A_(CLIP8&CLIP16)) Eff.86.2%
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Lamps: 1 x Rebel ES (89.842lm@250mA)



cd/klm

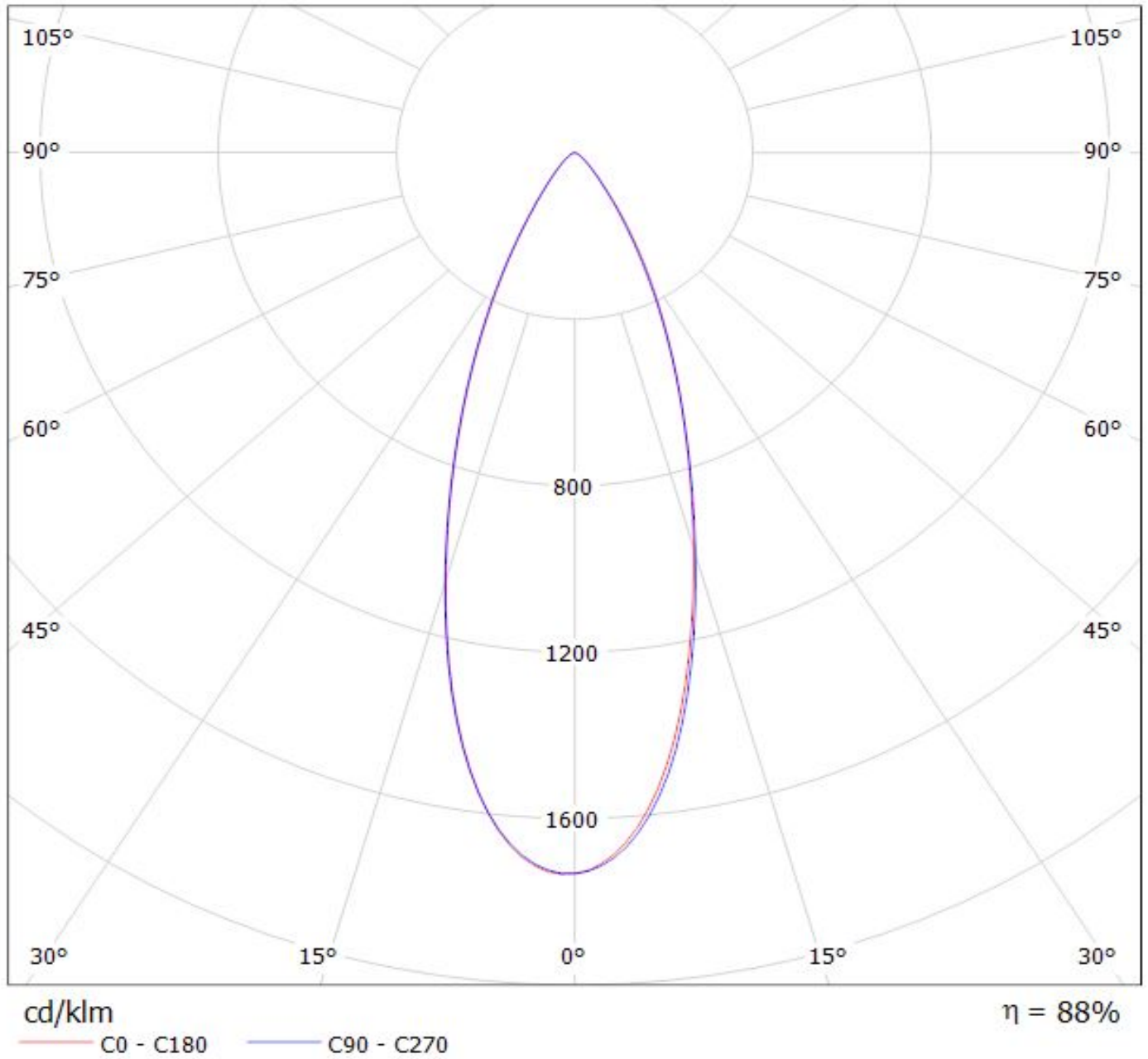
— C0 - C180

— C90 - C270

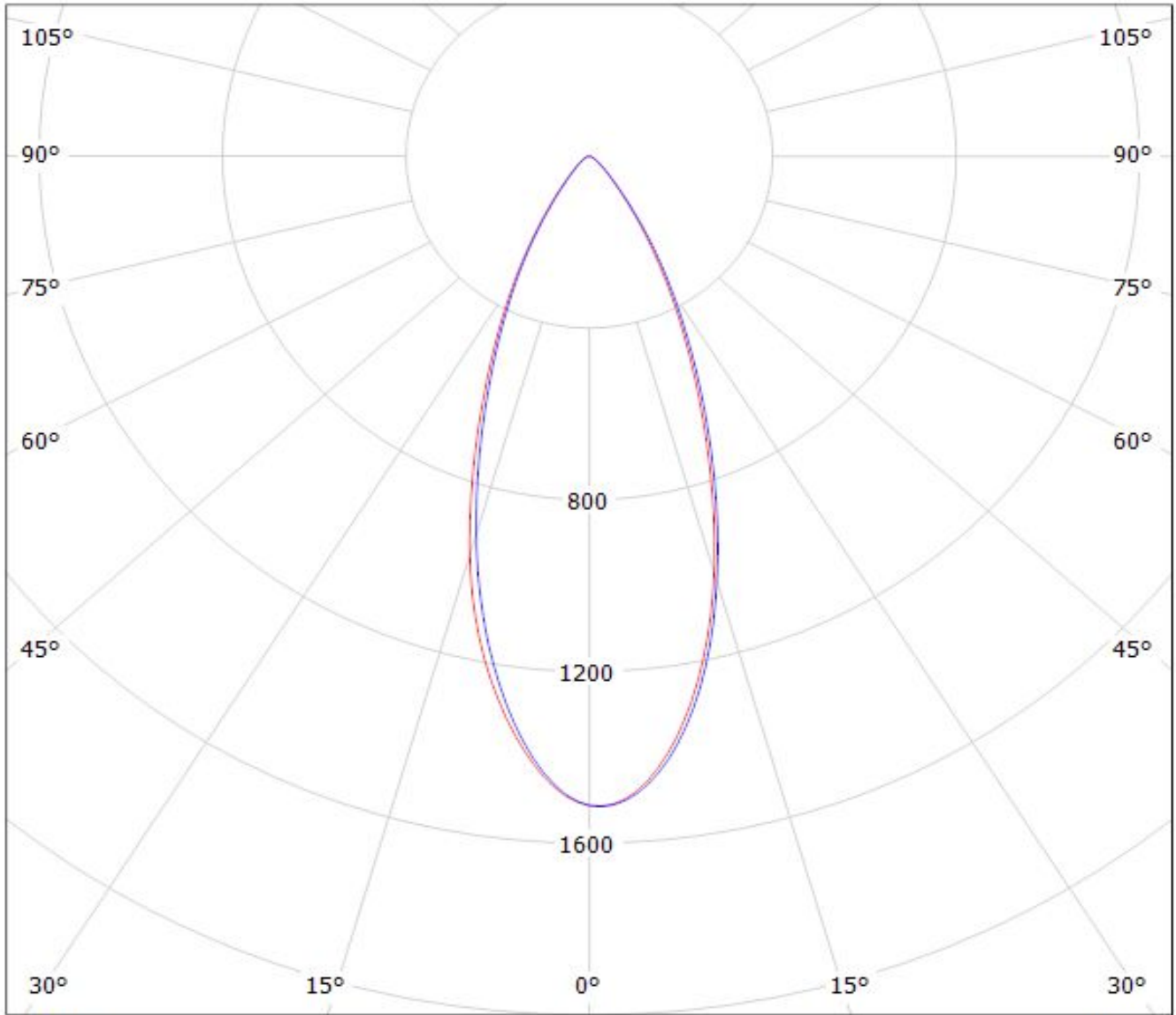
$\eta = 88\%$

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Lamps: 1 x Philips_Lumileds_Luxeon_Z_ES_(LXZ2-2790)_51.1518lm@250mA_P=0.73718W_I=249.9mA



Luminaire: LEDiL Oy LARISA-W_NCS19_(CLIP8&CLIP16) Eff.84.7%
Lamps: 1 x NCS19 (88.2595lm@250mA)

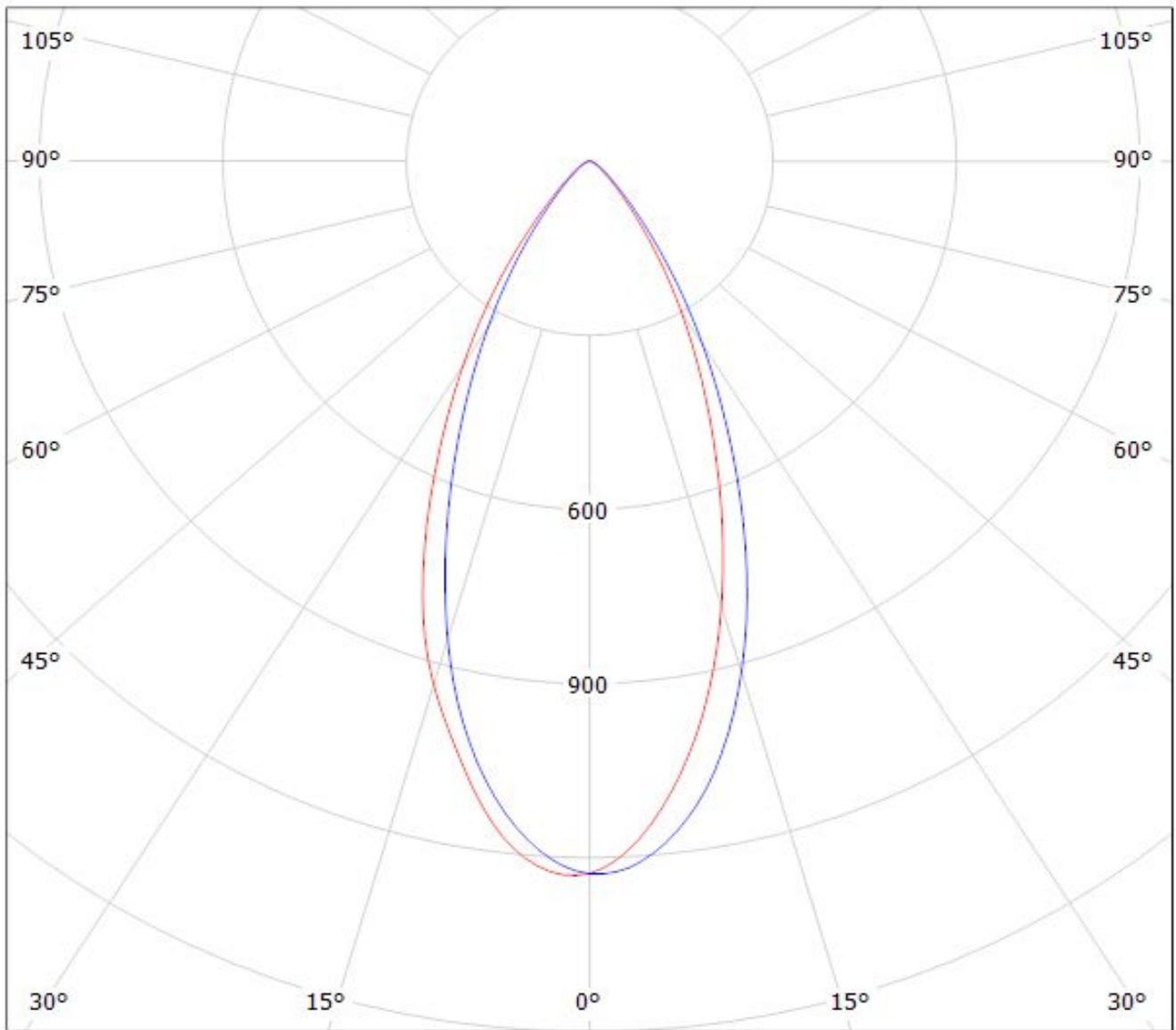


$\eta = 85\%$

cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy LARISA-W_NV519_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x NV519 (97.9644lm@250mA)



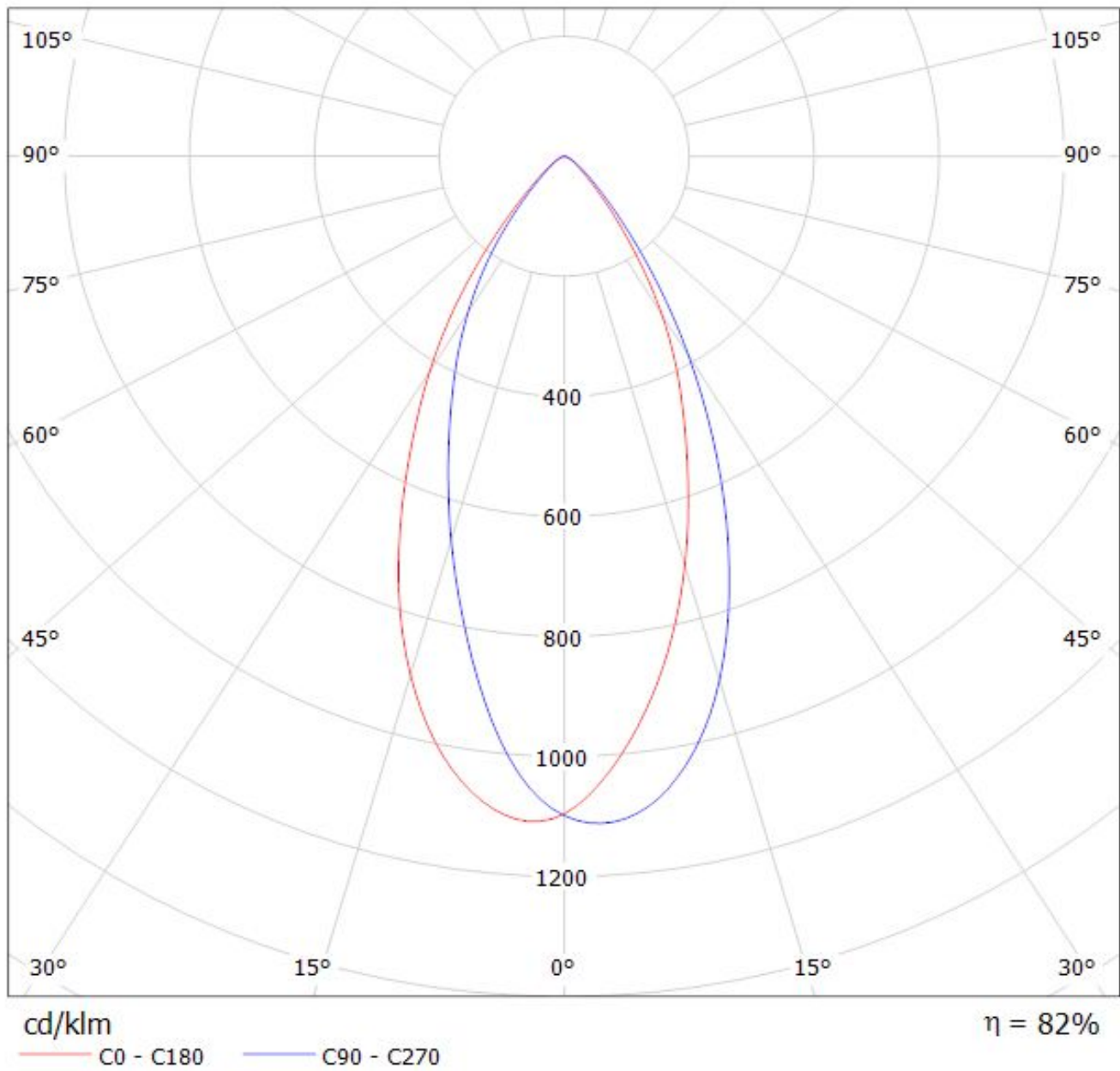
cd/klm

$\eta = 84\%$

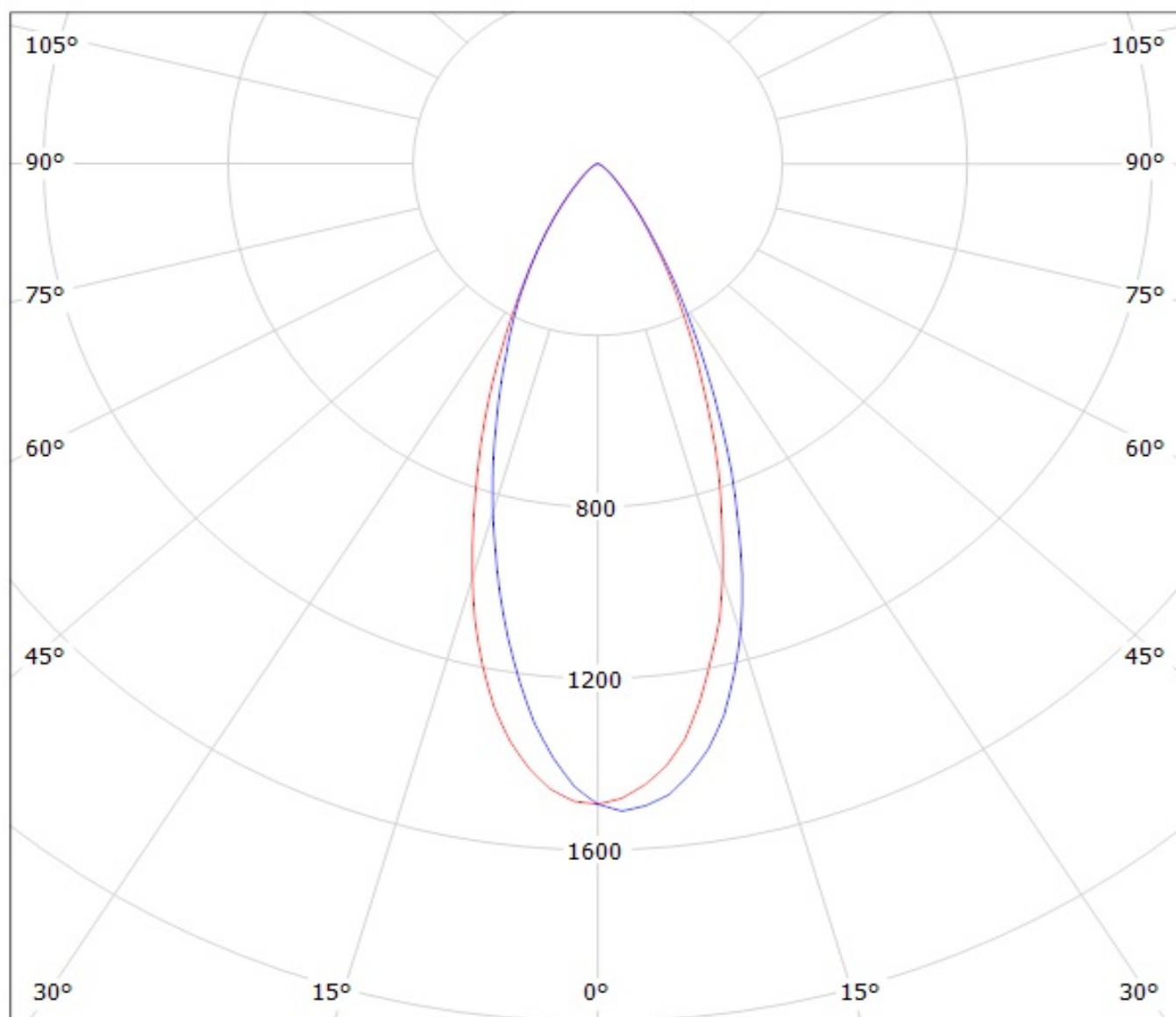
— C0 - C180

— C90 - C270

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Luminaire: LEDil Oy CP12945_LARISA-W-CLIP16_(DURIS_S5) Efficiency=85%
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



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.