

DETAILS

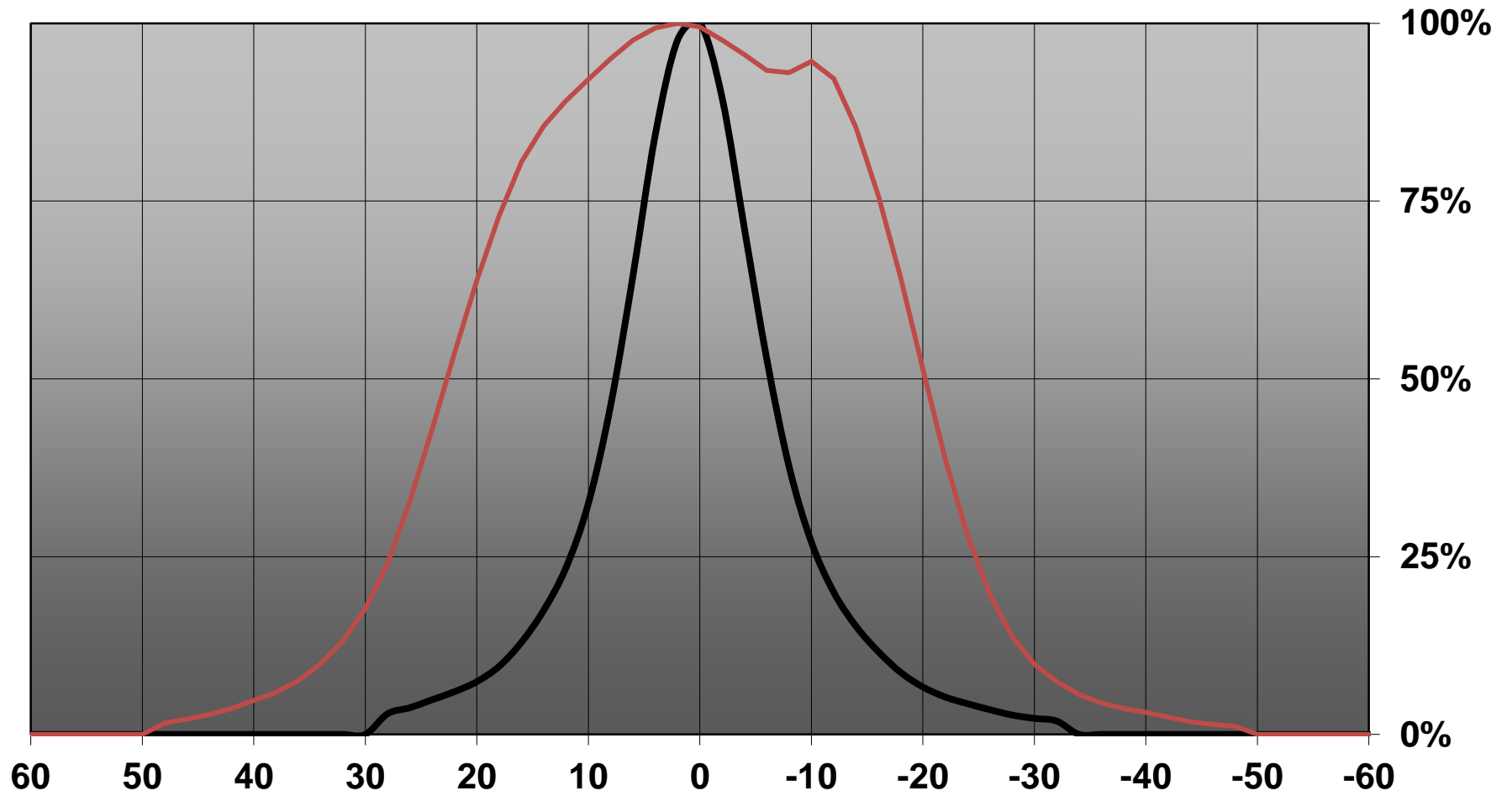
Product Number	CP12943_LARISA-O-CLIP16
Family	Larisa
Type	Assembly
Color	black
Diameter	9,9 + 9,9 mm
Height	7,5 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	clips
Status	production ready
ROHS Compliant	Yes
Date Updated	3/02/2017



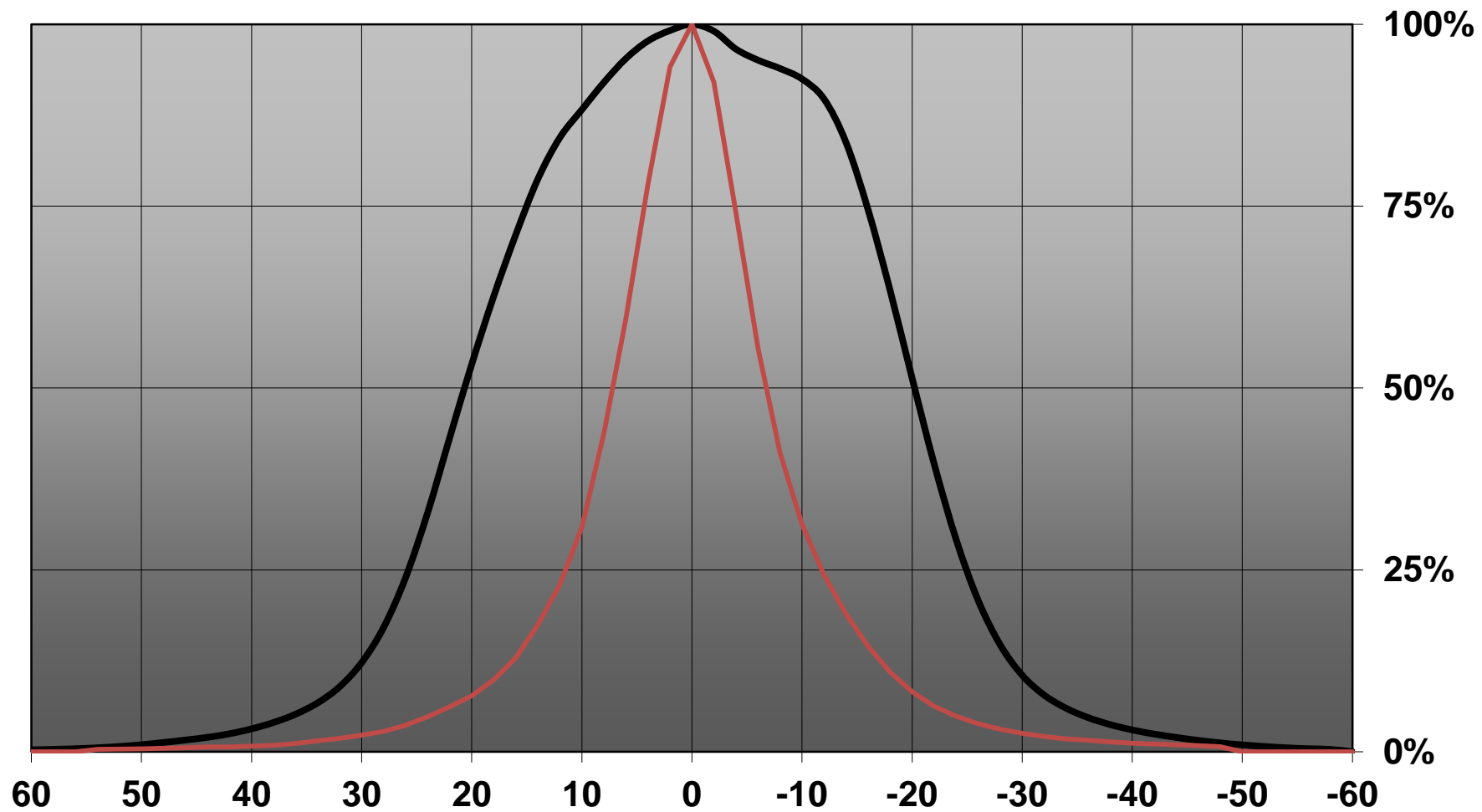
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XB-D	39+21 deg	Oval	80 %	2.200	-
XP-G	39+25 deg	Oval	83 %	2.050	-
XP-E	sim: 39+17	Oval	sim: 89 %	-	-
XQ-E	40+17 deg	Oval	82 %	2.800	-
XQ-E HI	43+14 deg	Oval	74 %	3.200	-
H35C0 (LEMWA33)	39+27 deg	Oval	81 %	1.840	-
H35B0 (LEMWA32)	38+22 deg	Oval	82 %	2.200	-
LUXEON Rebel	40+18 deg	Oval	84 %	2.700	-
LUXEON A	39+26 deg	Oval	81 %	1.900	-
LUXEON Rebel ES	39+25 deg	Oval	82 %	1.900	-
LUXEON Z	41+14 deg	Oval	81 %	3.540	-
LUXEON Z ES	40+18 deg	Oval	86 %	2.800	-
LUXEON Rebel Plus	40+19 deg	Oval	83 %	2.600	-
LUXEON C	40+18 deg	Oval	79 %	2.600	-
NCSxx19A	41+19 deg	Oval	81 %	2.250	-
NVSxx19A	40+24 deg	Oval	79 %	1.850	-
Oslon Square EC	40+22 deg	Oval	78 %	1.950	-
Oslon SSL 150	39+19 deg	Oval	84 %	2.900	-
Duris S5 (2 chip)	26+41 deg	Oval	79 %	1.800	-
Oslon SSL 80	40+17 deg	Oval	77 %	2.530	-

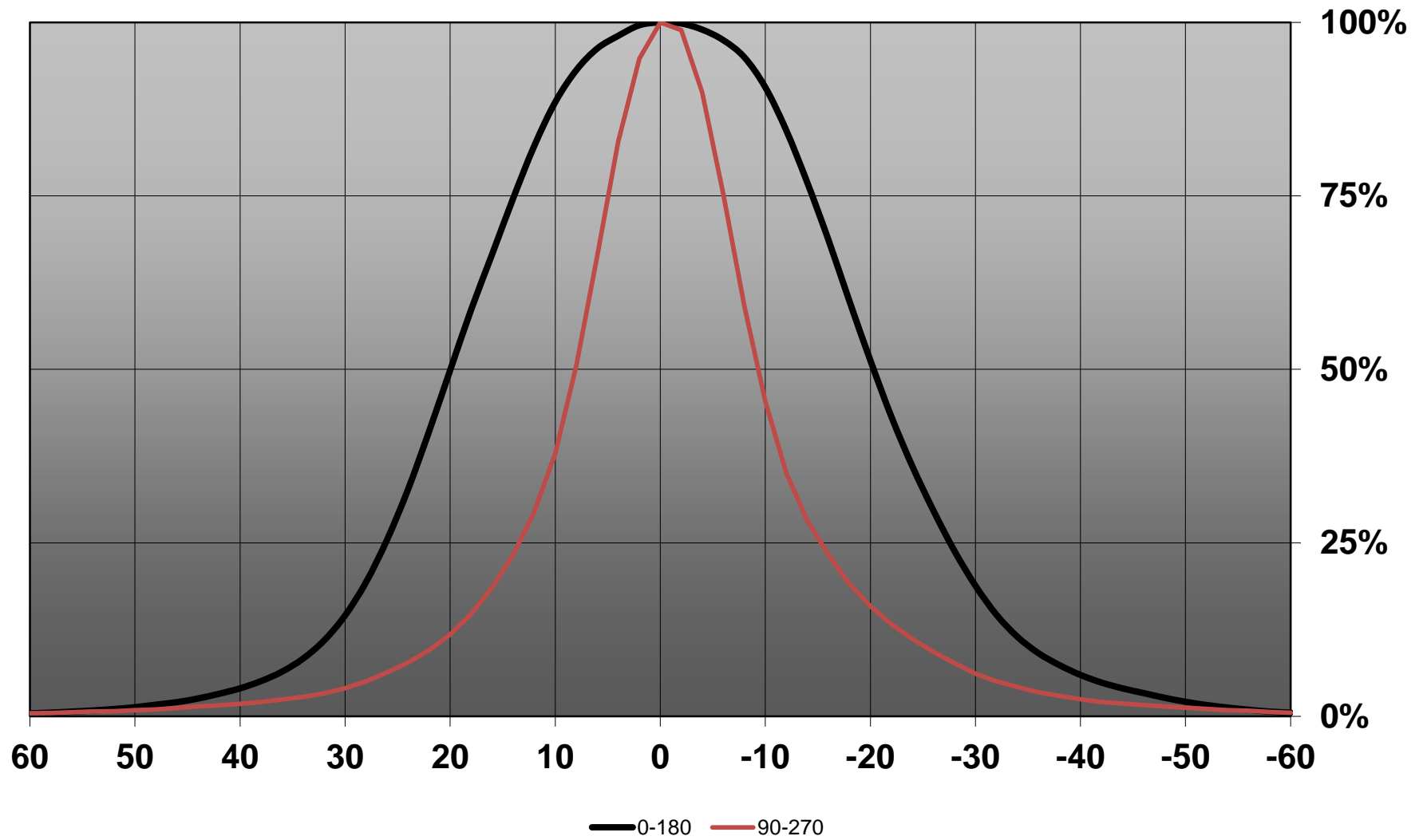
Relative intensity of CP12943_LARISA-O-CLIP16_(XQ-E_HI)



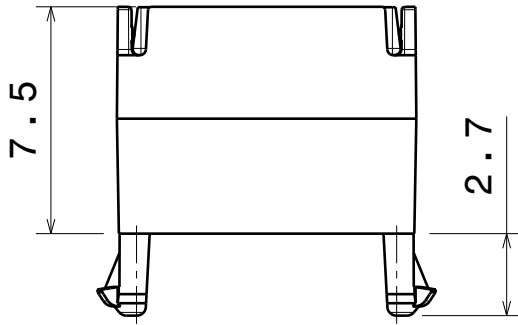
Relative intensity of CP12943_LARISA-O-CLIP16_(Luxeon Z)



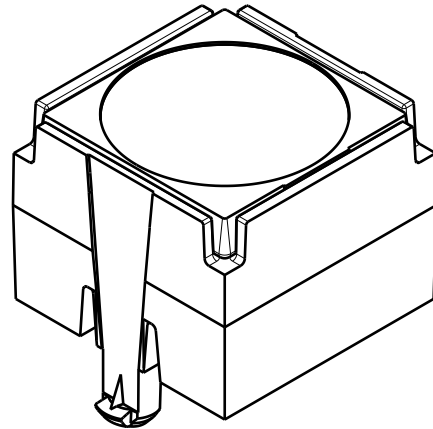
Relative intensity of CP12943_LARISA-O-CLIP16_(SSL80)



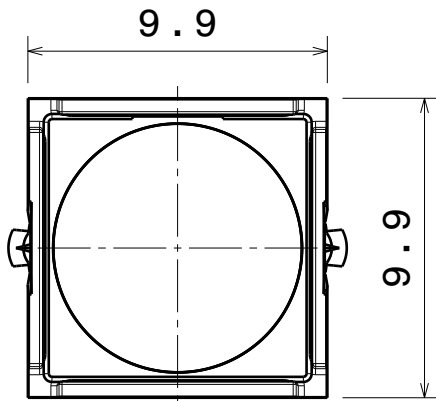
Designed for the following pin hole dimensions:
 Hole diameter 1.95mm
 Hole distance 8.6mm
 PCB thickness 1.6mm



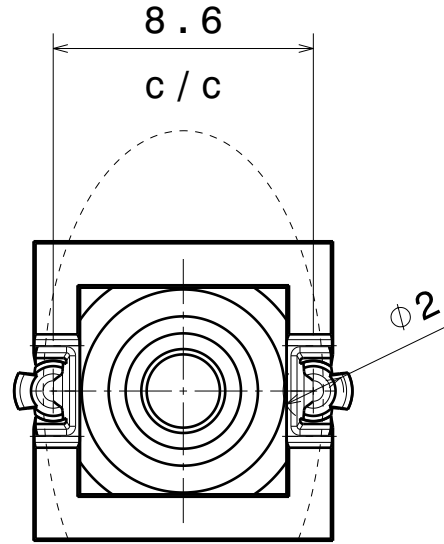
Front view



Isometric view
 Scale: 4:1



Top view



Bottom view

Oval beam direction

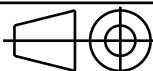
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C12908	LARISA-HOLDER-CLIP16	PC	black

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

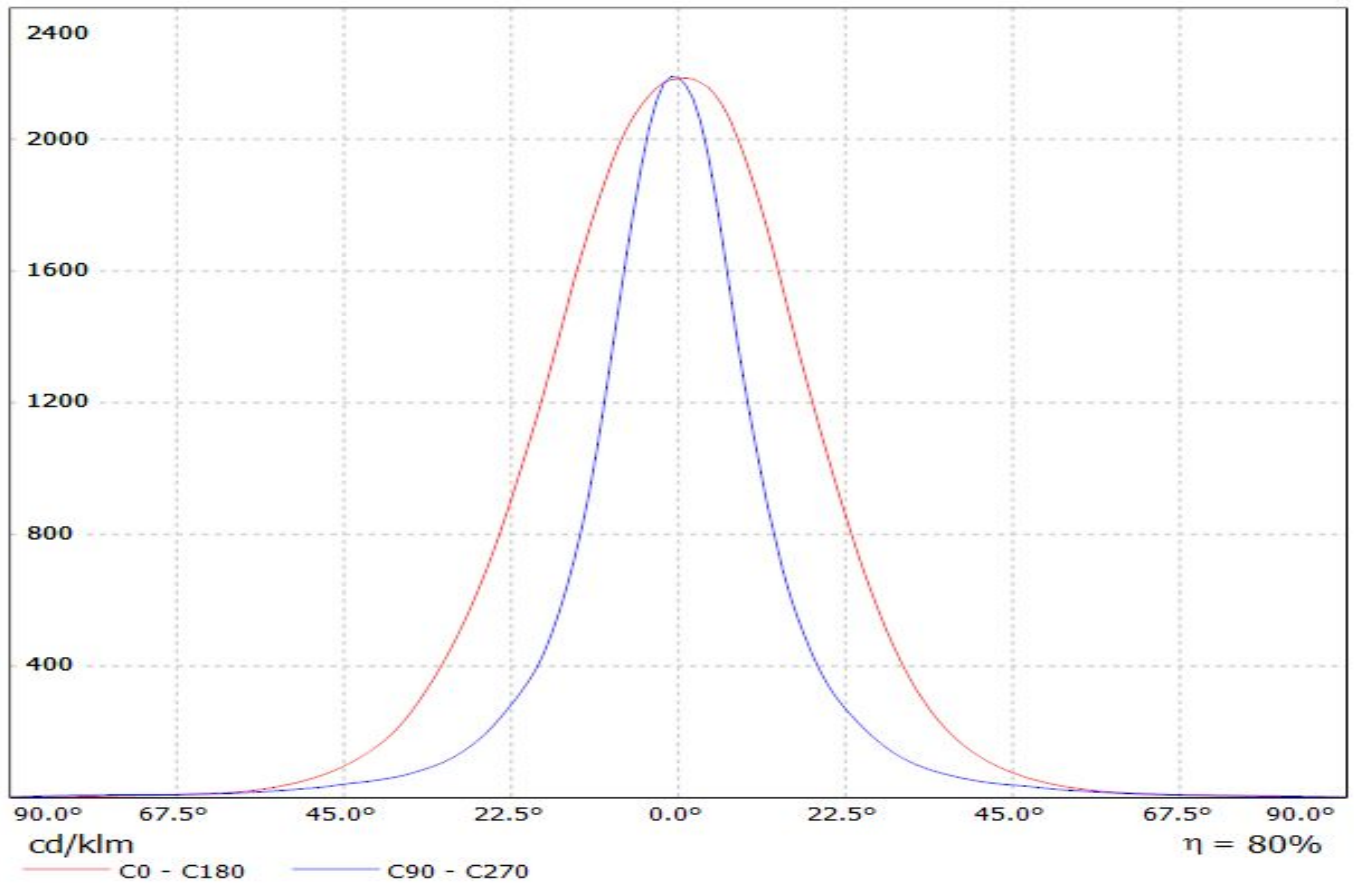
-

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

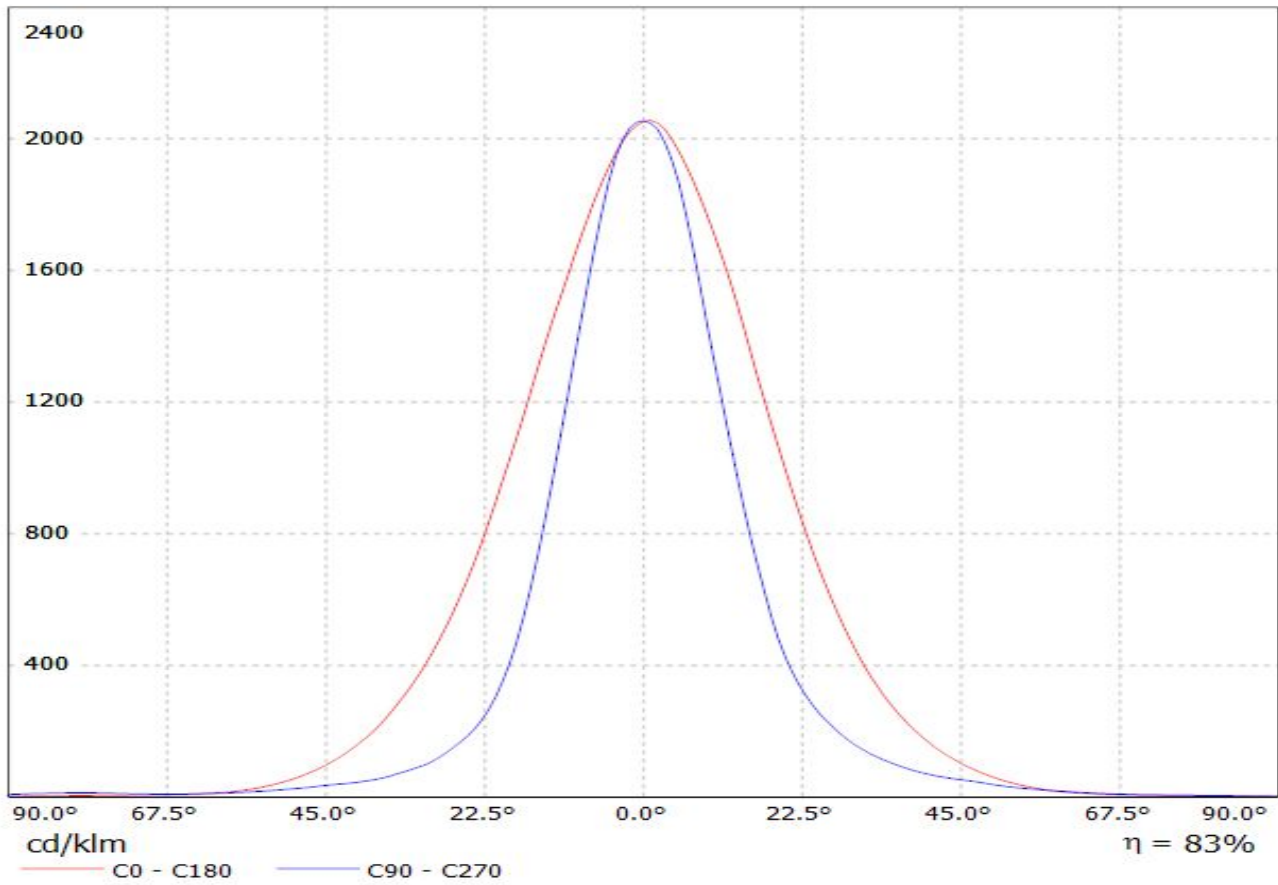
D

A

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

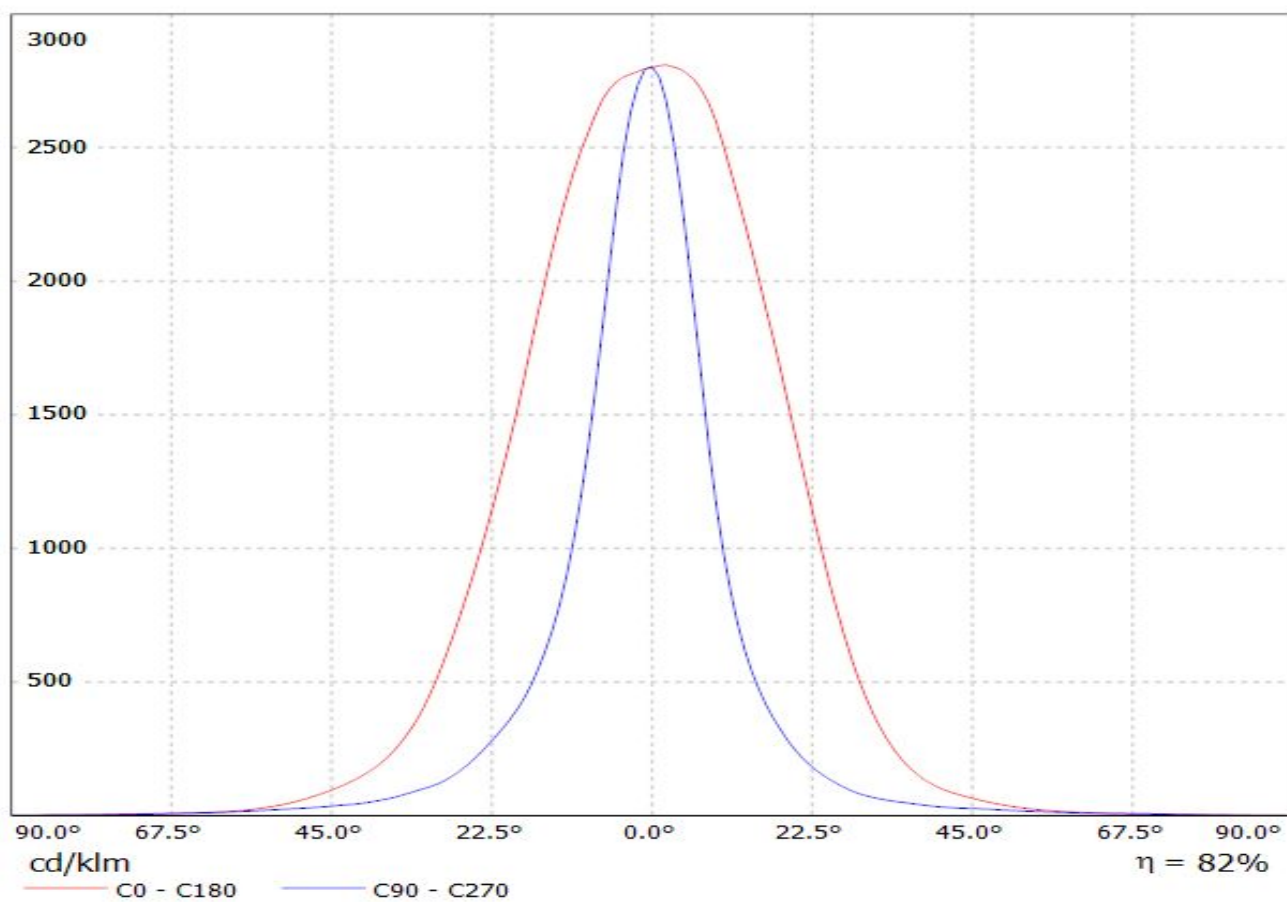


Luminaire: LEDiL Oy LARISA-O_XP-G_(CLIP8&CLIP16) Eff.82.9%
Lamps: 1 x XP-G (62.2075lm@250mA)

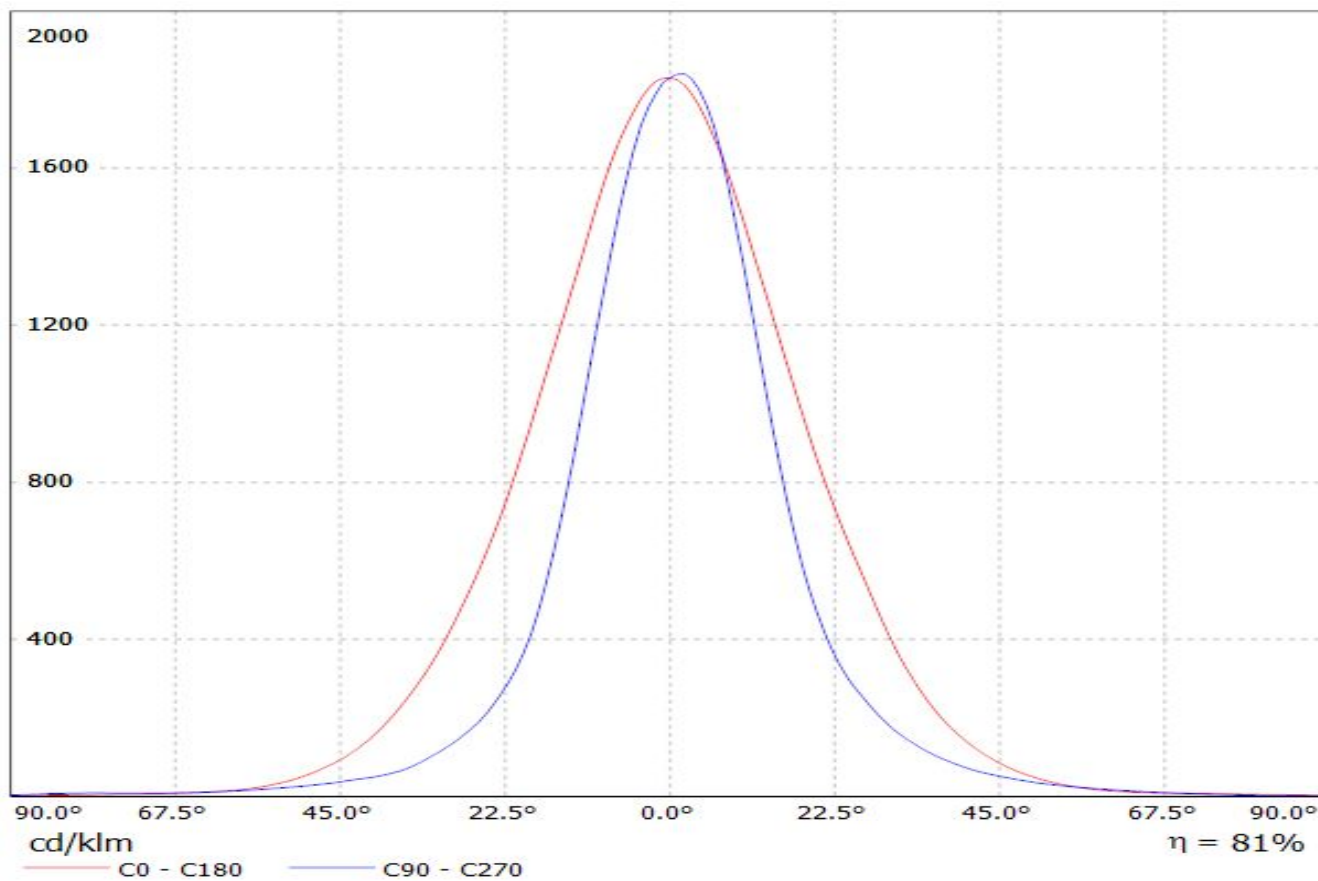


Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(XQ-E)

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

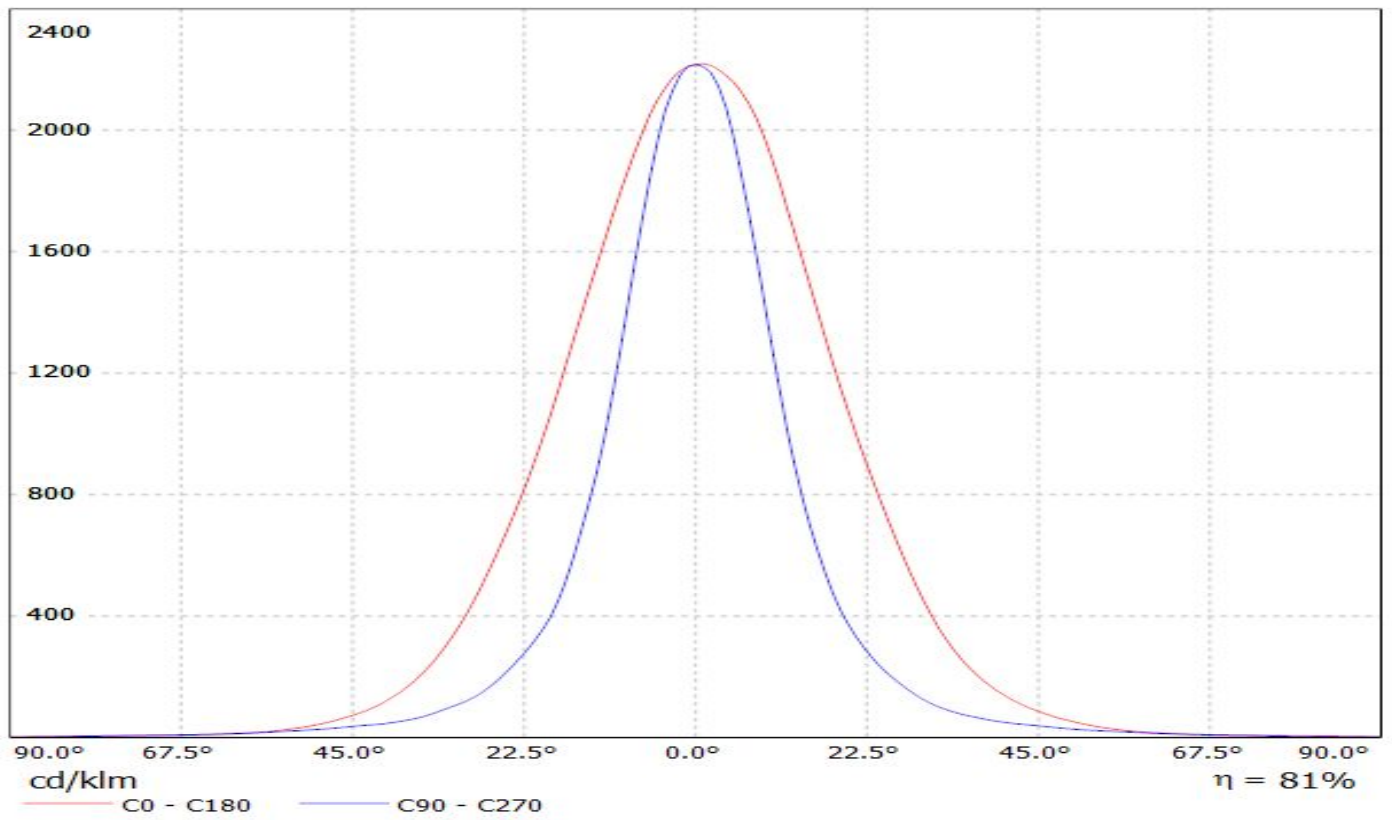


Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(3535_Ceramic) Eff.80.6%
Lamps: 1 x LG 3535 Ceramic (95lm@250mA)

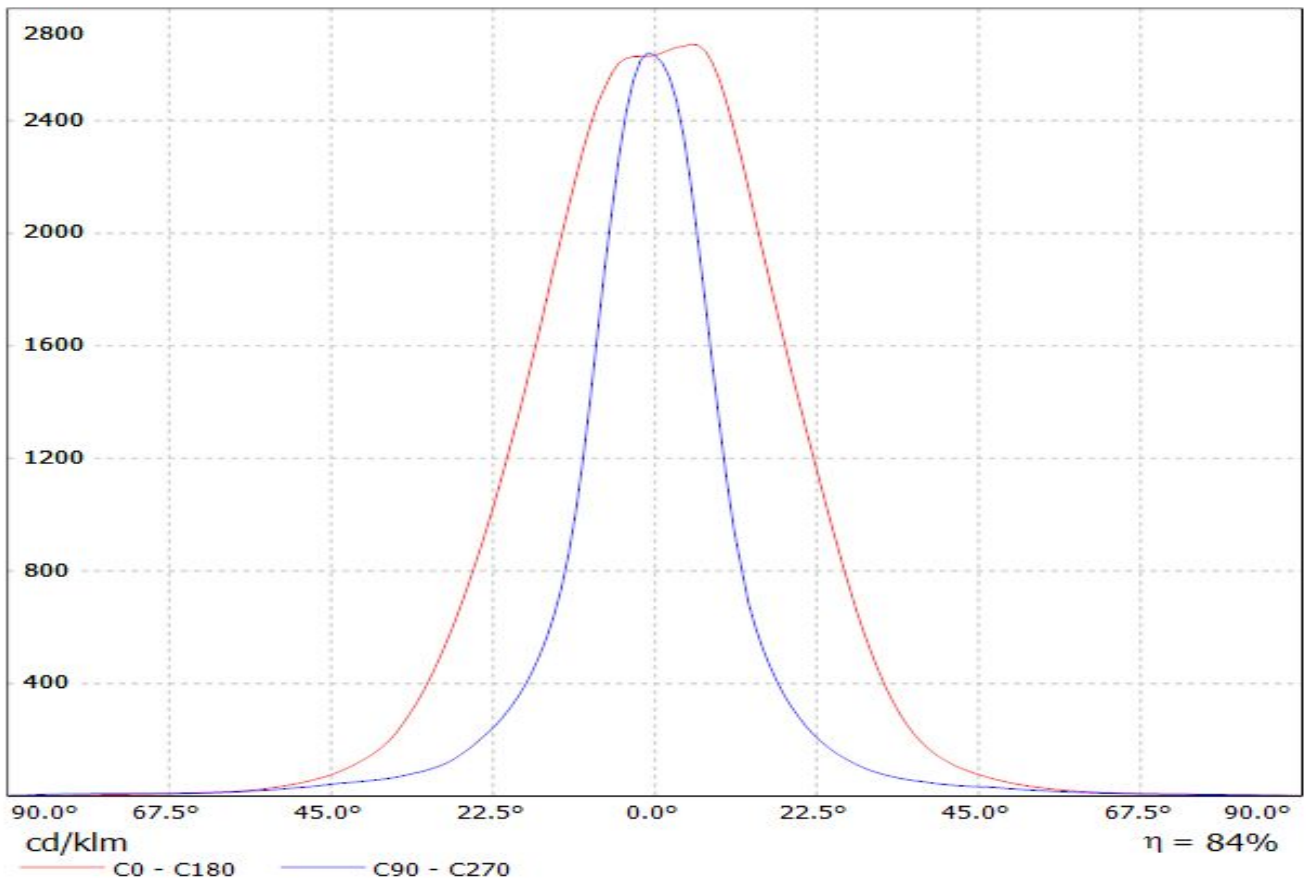


LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_ (LG3535_2W) Eff.81.5% / LDC (Linear)

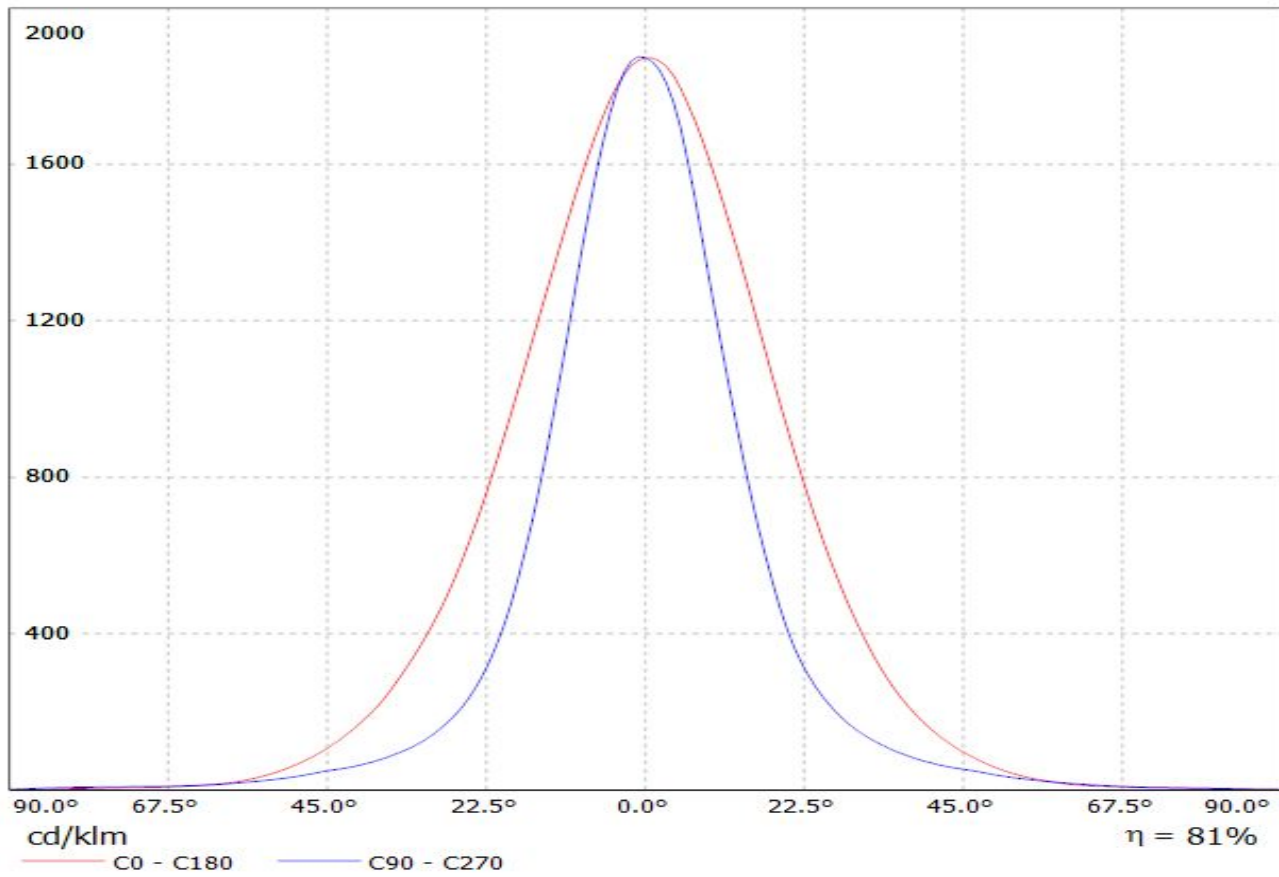
Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_(LG3535_2W) Eff.81.5%
Lamps: 1 x LG3535_2W (97.3629lm@250mA)



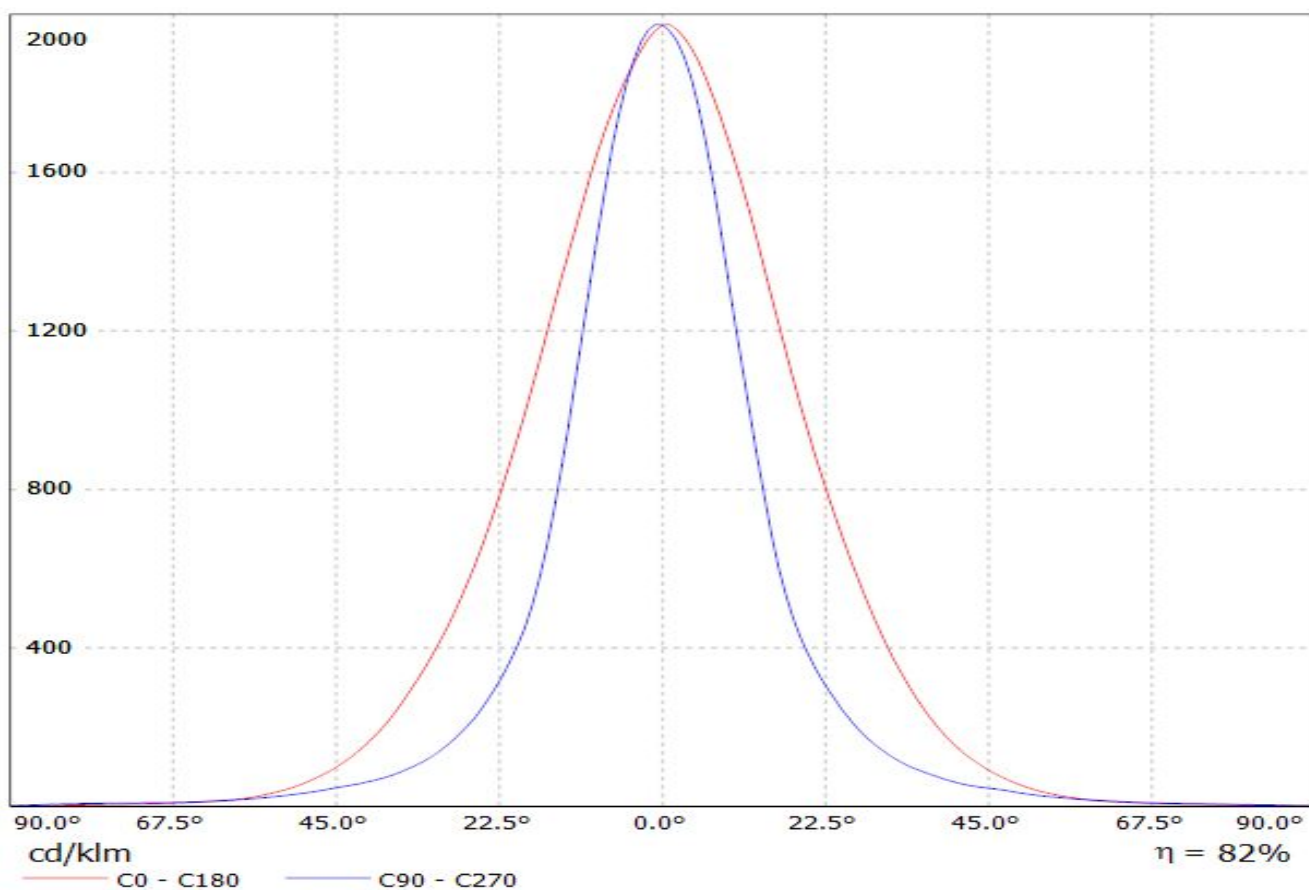
Luminaire: LEDiL Oy LARISA-O_Rebel_(CLIP8&CLIP16) Eff.84.4%
Lamps: 1 x Rebel (80.8775lm@250mA)



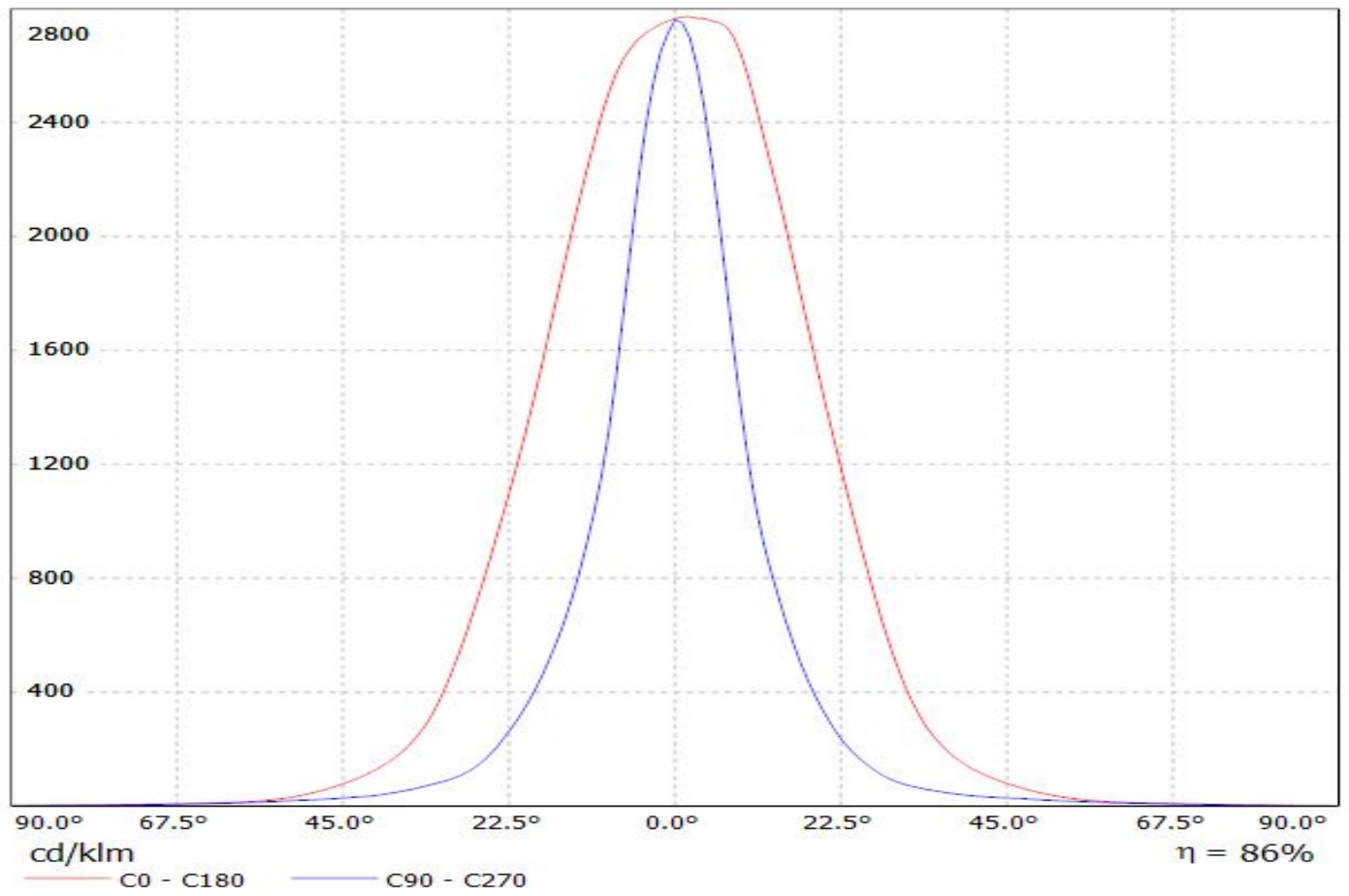
Luminaire: LEDiL Oy LARISA-O_Luxeon_A_(CLIP8&CLIP16) Eff.81.2%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



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

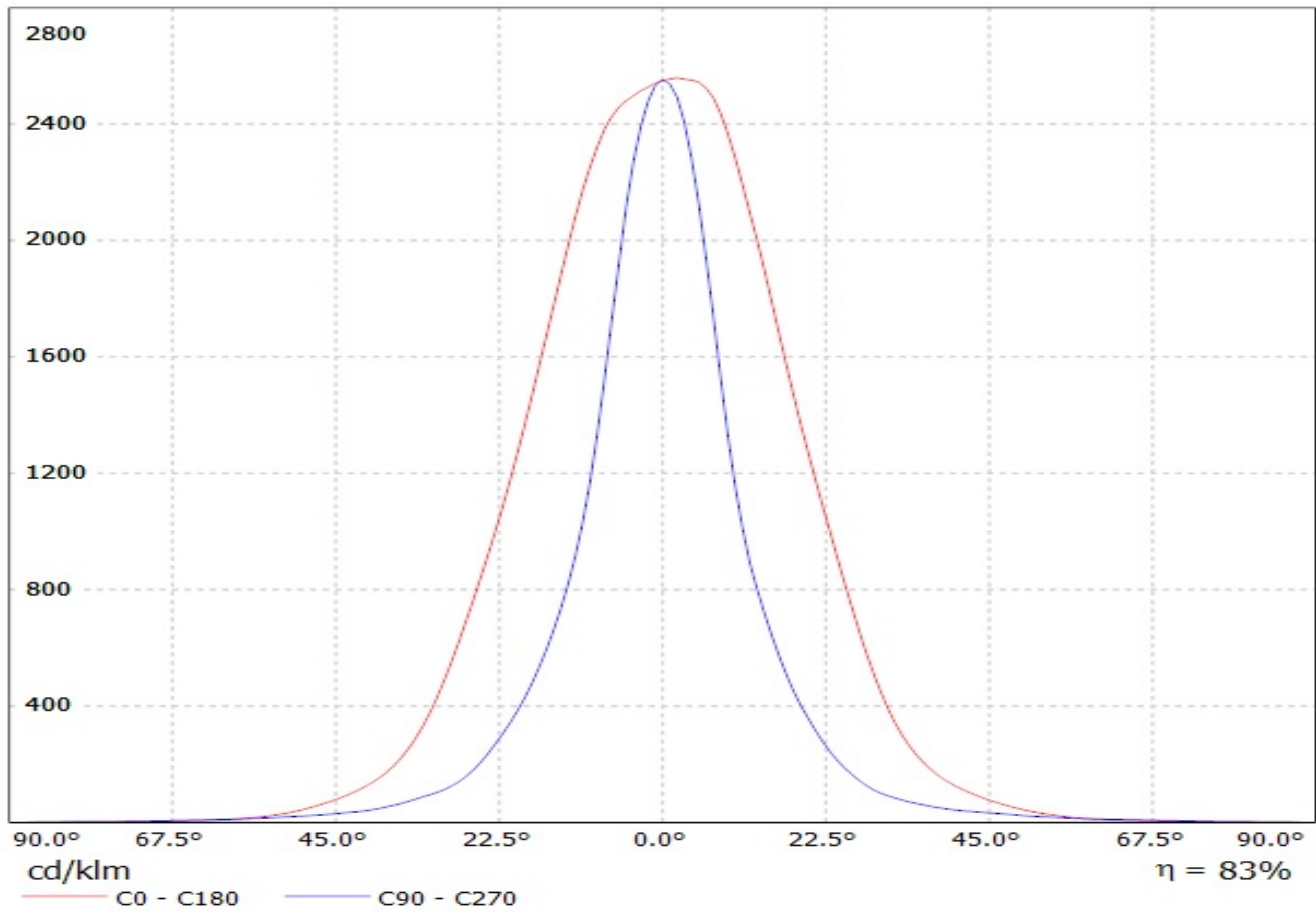


Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA

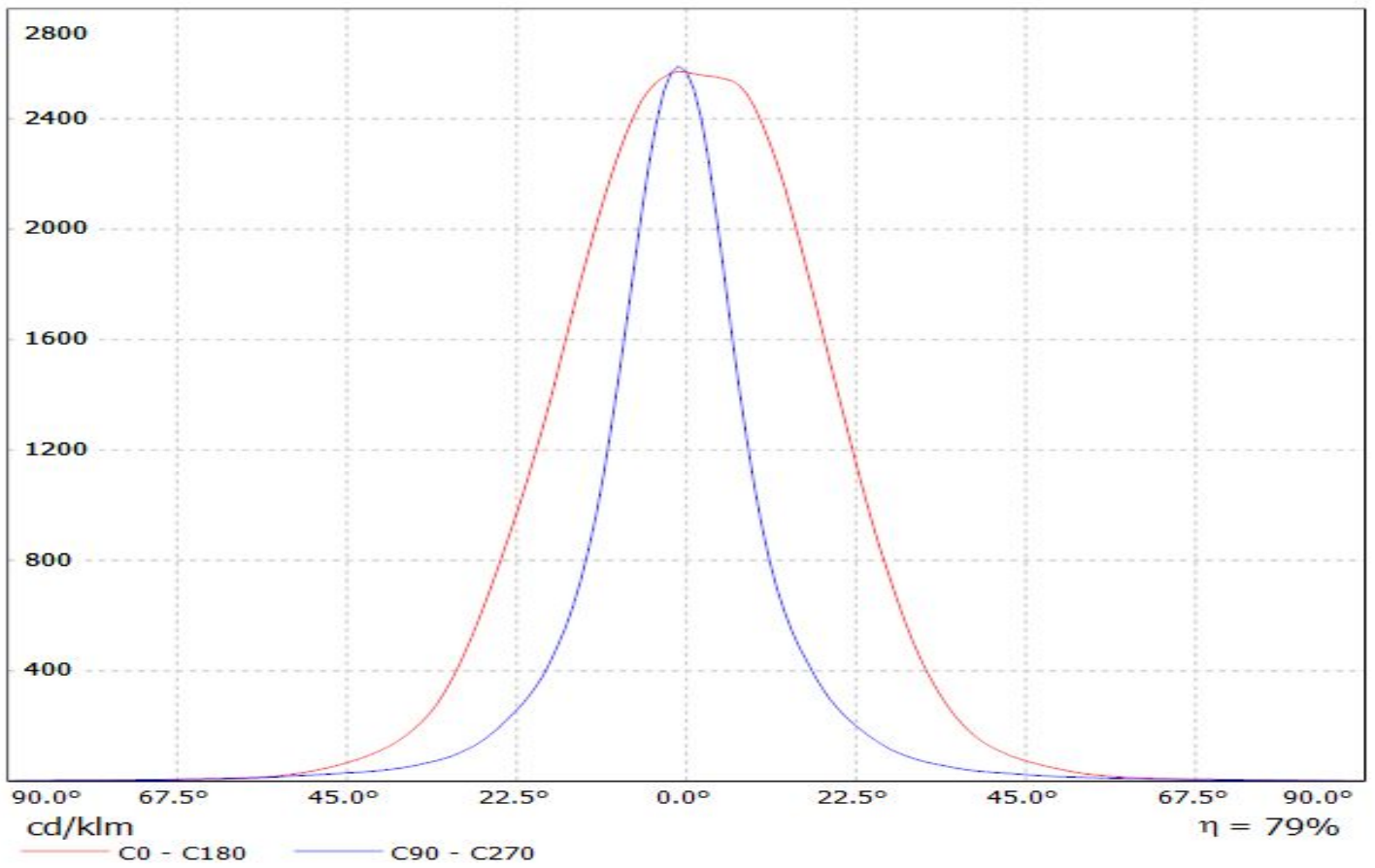


Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_Rebel_Plus)

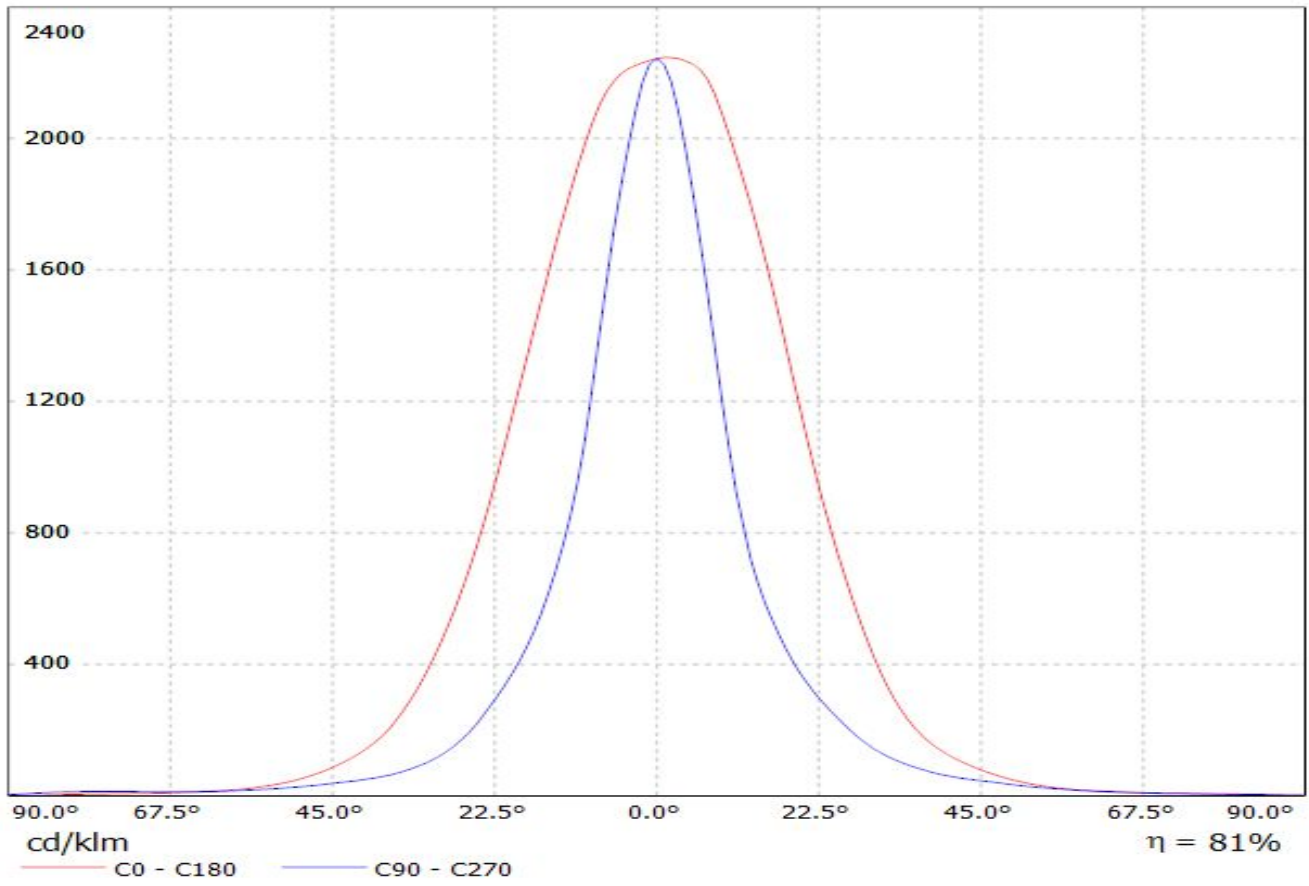
Lamps: 1 x Philips_Lumileds_Luxeon_Rebel_Plus_(LX18-P130-3)_71.4609lm@250lm_P=0.74935W_I=0.2499A



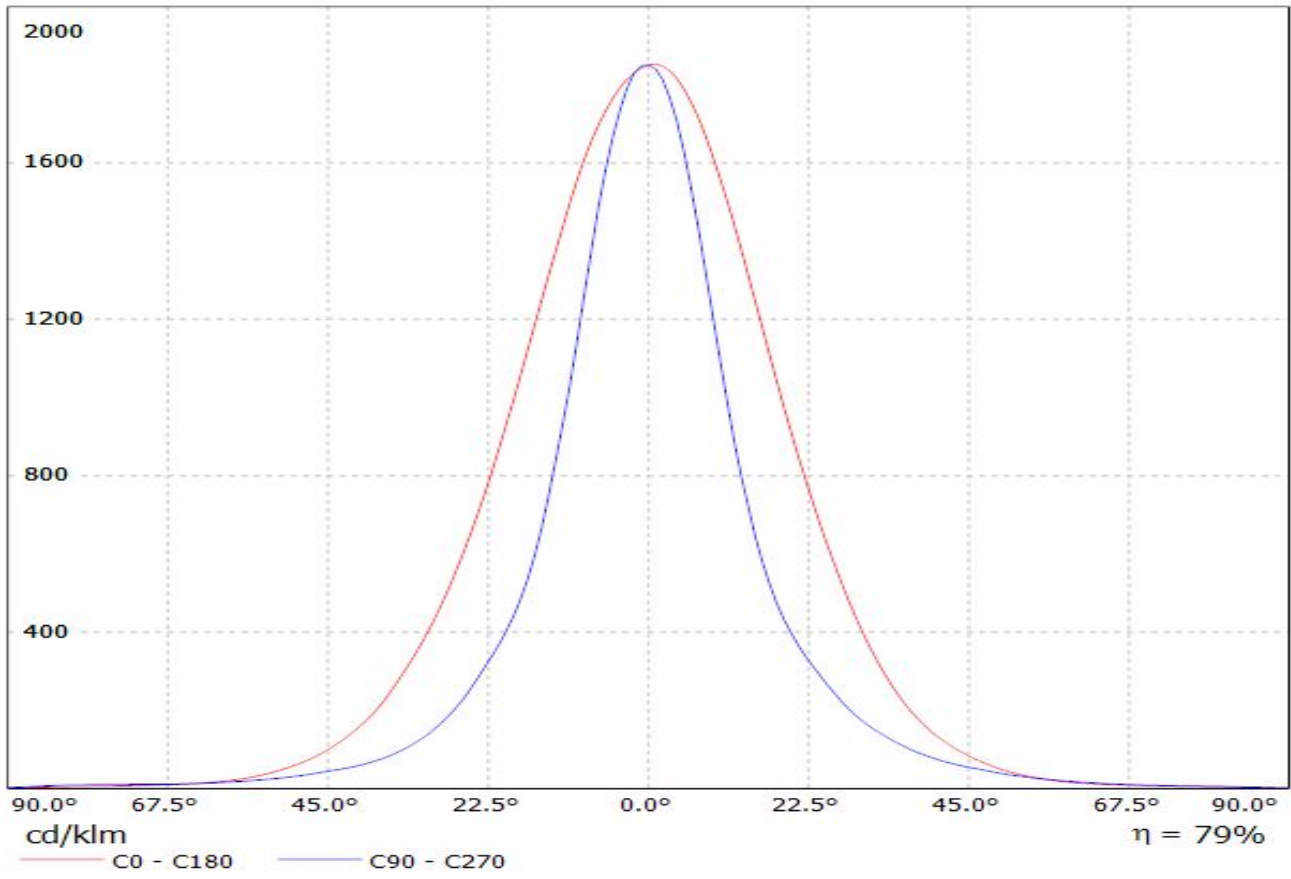
Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.9929lm@250mA_P=0.7402W_I=0.250A



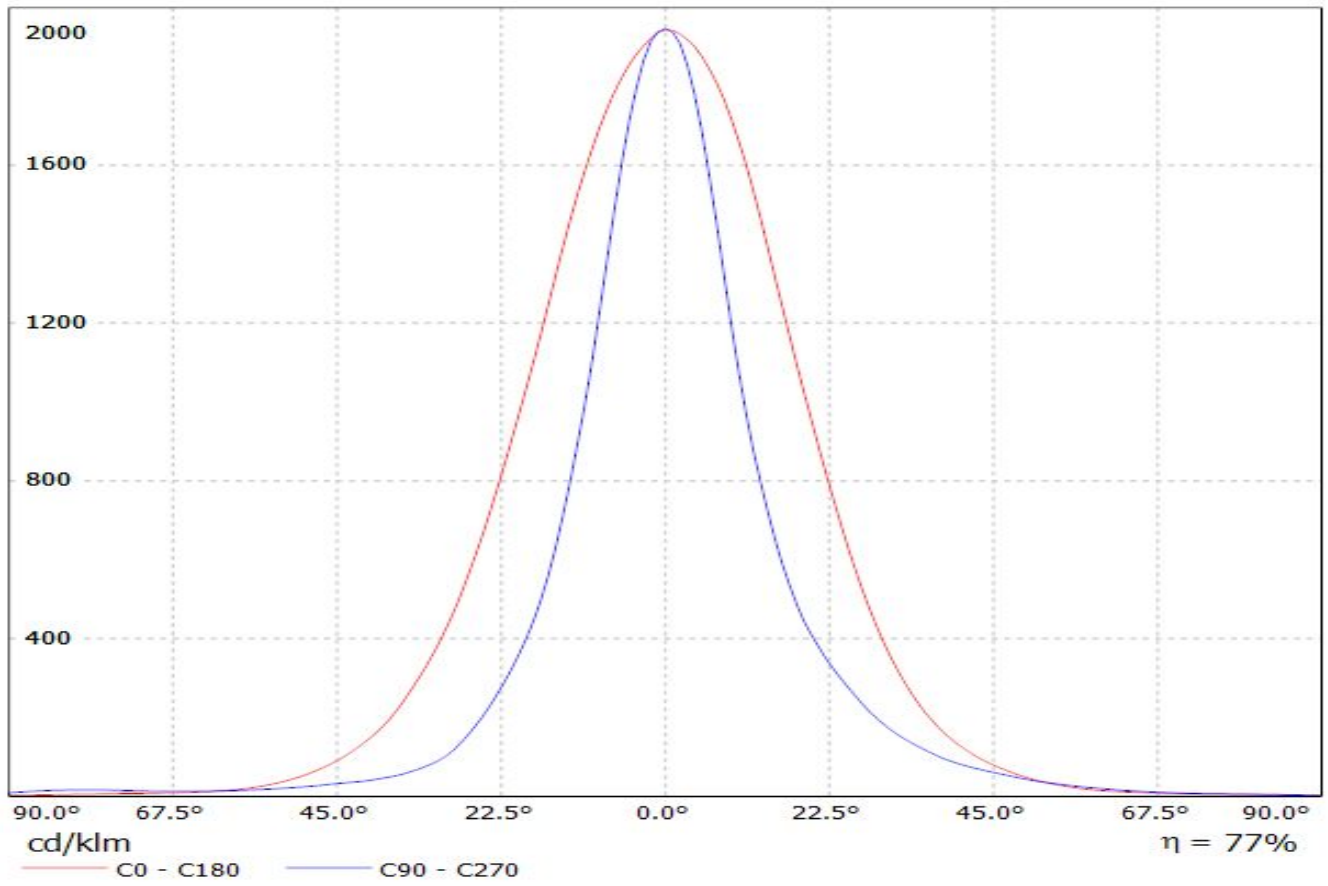
Luminaire: LEDiL Oy LARISA-O_NCS19_(CLIP8&CLIP16) Eff.80.7%
Lamps: 1 x NCS19 (88.2595lm@250mA)



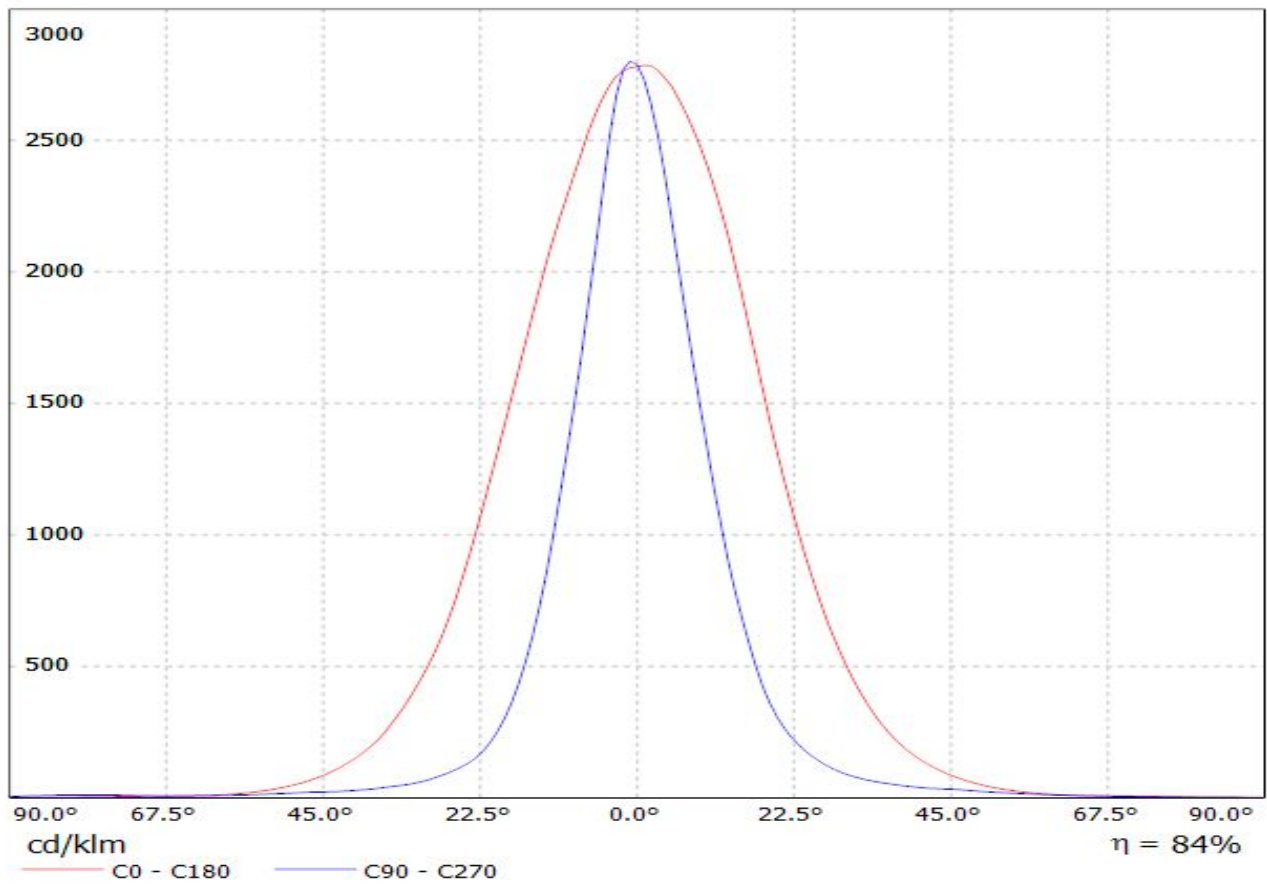
Luminaire: LEDiL Oy LARISA-O_NV519_(CLIP8&CLIP16) Eff.79.2%
Lamps: 1 x NV519 (97.9644lm@250mA)



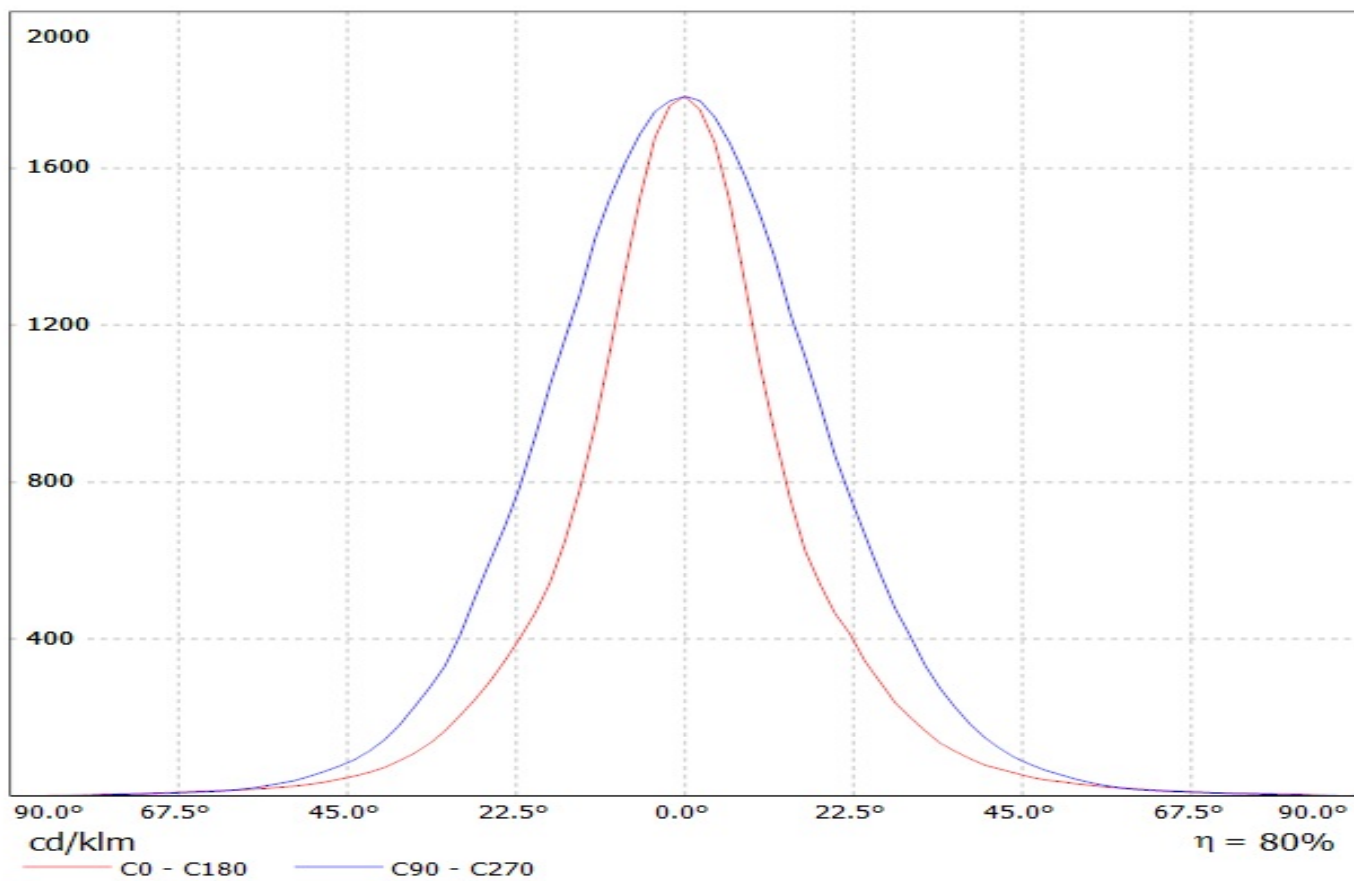
Luminaire: LEDiL Oy LARISA-O_SQ-EC_(CLIP8&CLIP16) Eff.77.3%
Lamps: 1 x SQ-EC (64.5379lm@250mA)



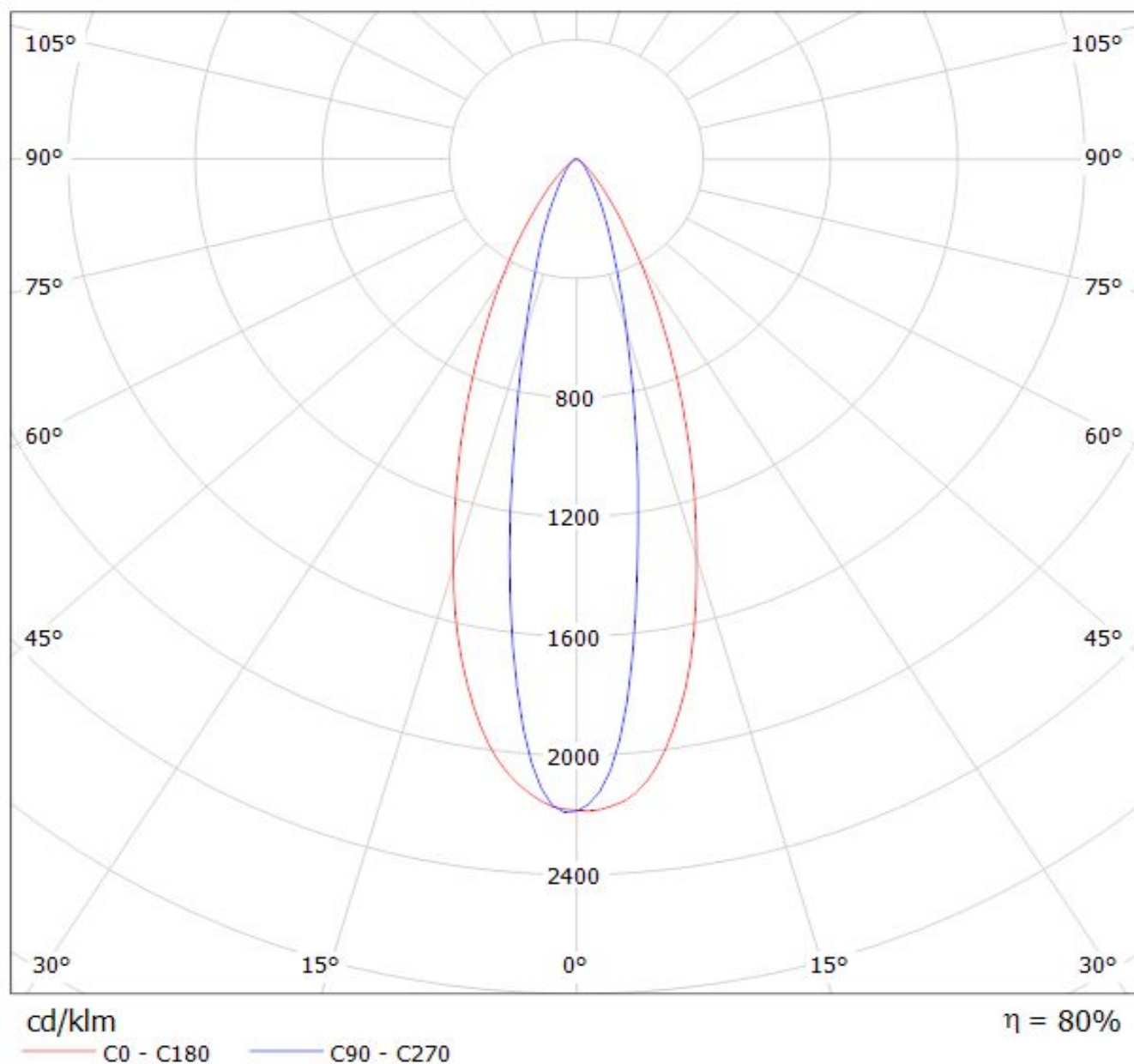
Luminaire: LEDiL Oy LARISA-O_SSL150_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x SSL150 (71.2649lm@250mA)



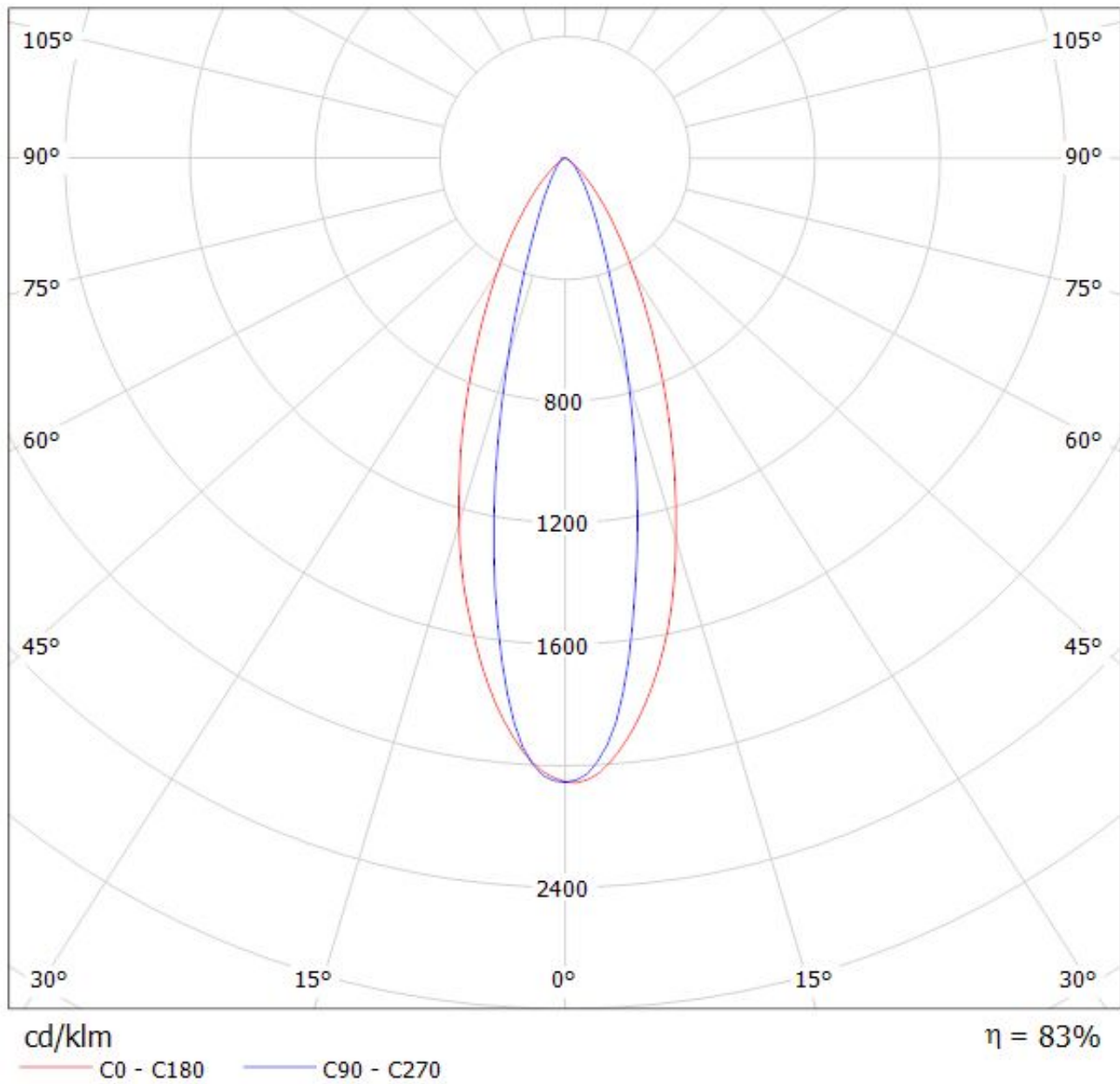
Luminaire: LEDil Oy CP12943_LARISA-O-CLIP16_(Duris_S5) Efficiency=79%
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



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

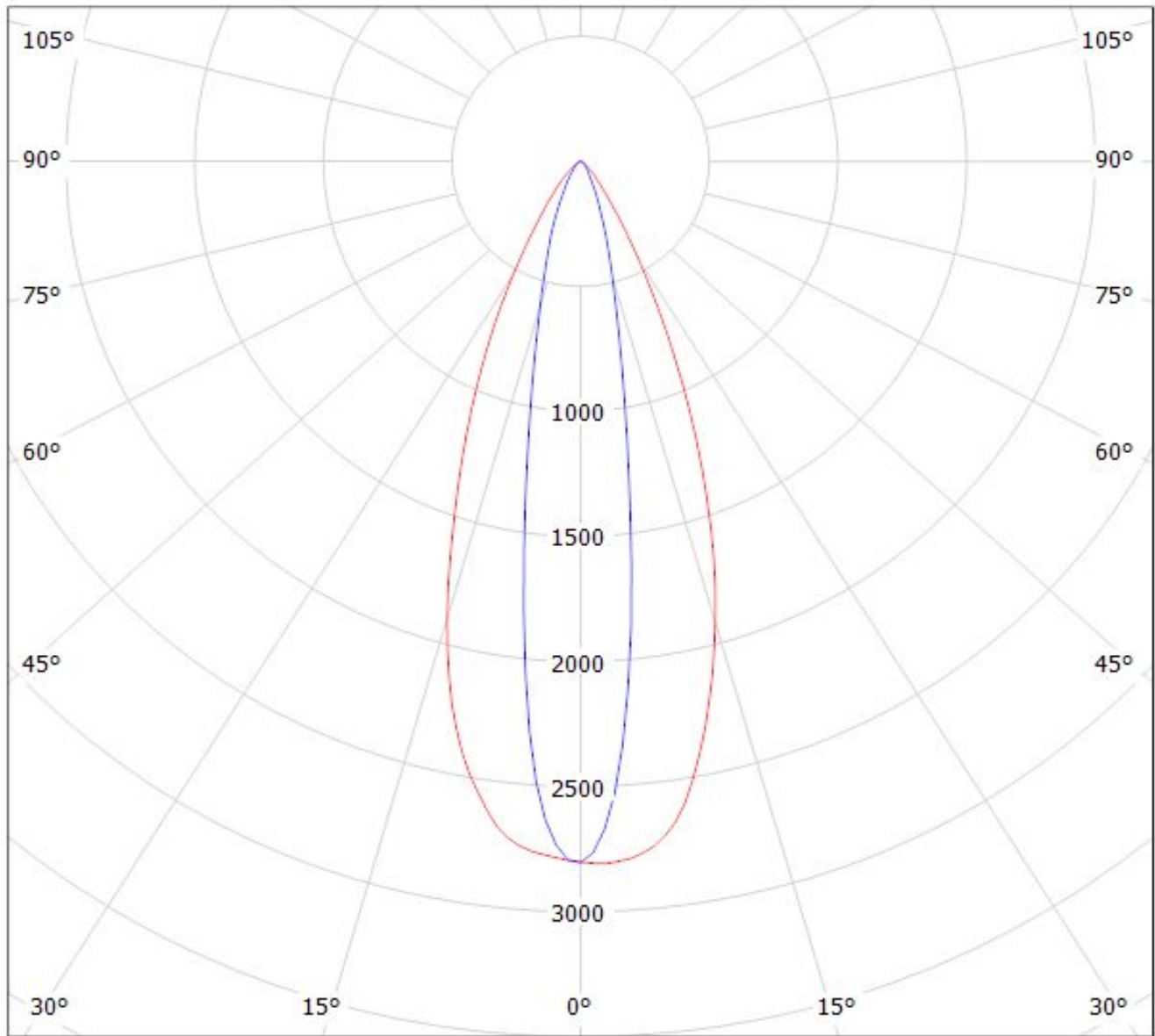


Luminaire: LEDiL Oy LARISA-O_XP-G_(CLIP8&CLIP16) Eff.82.9%
Lamps: 1 x XP-G (62.2075lm@250mA)



Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(XQ-E)

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

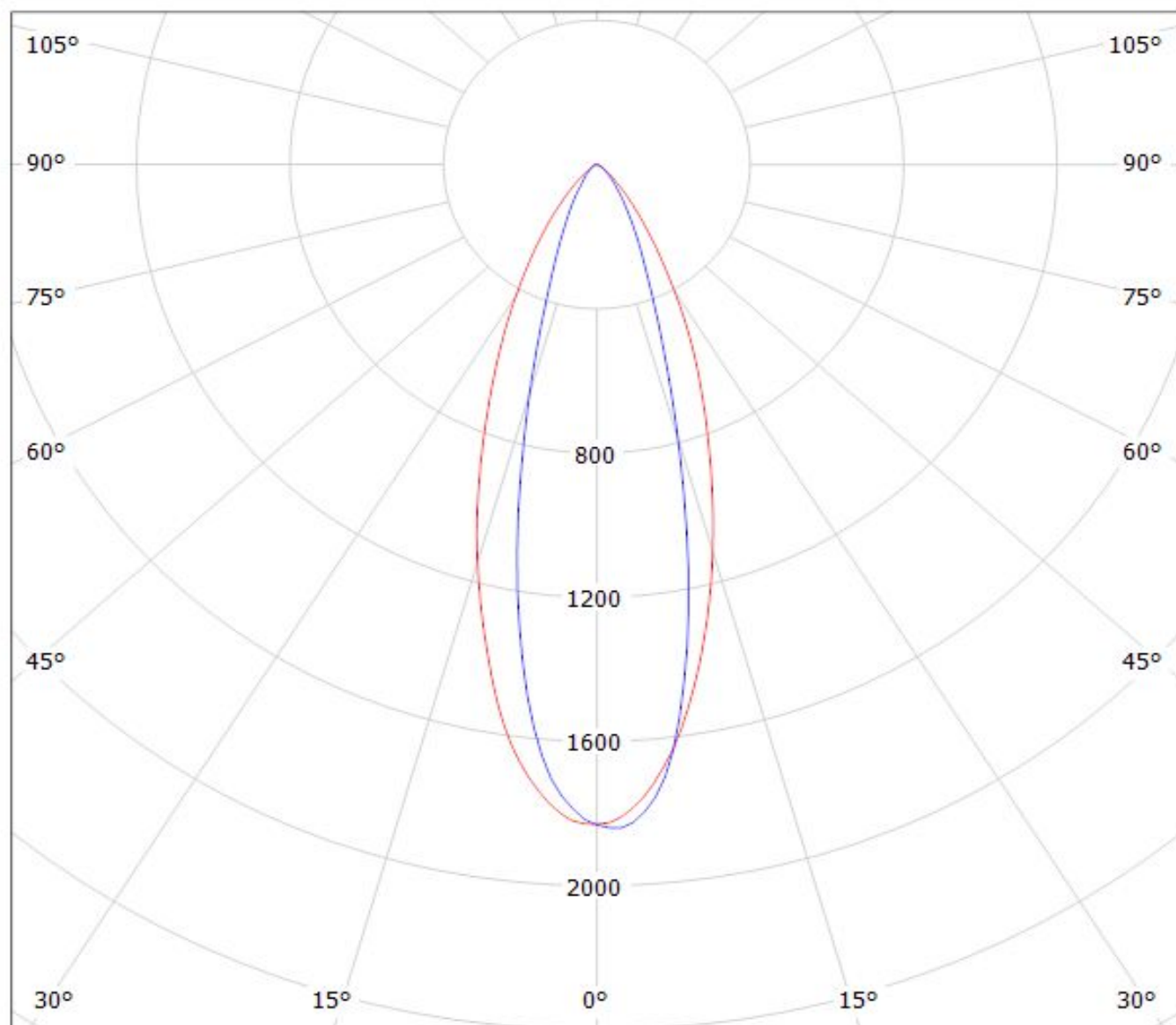


cd/klm

$\eta = 82\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(3535_Ceramic) Eff.80.6%
Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



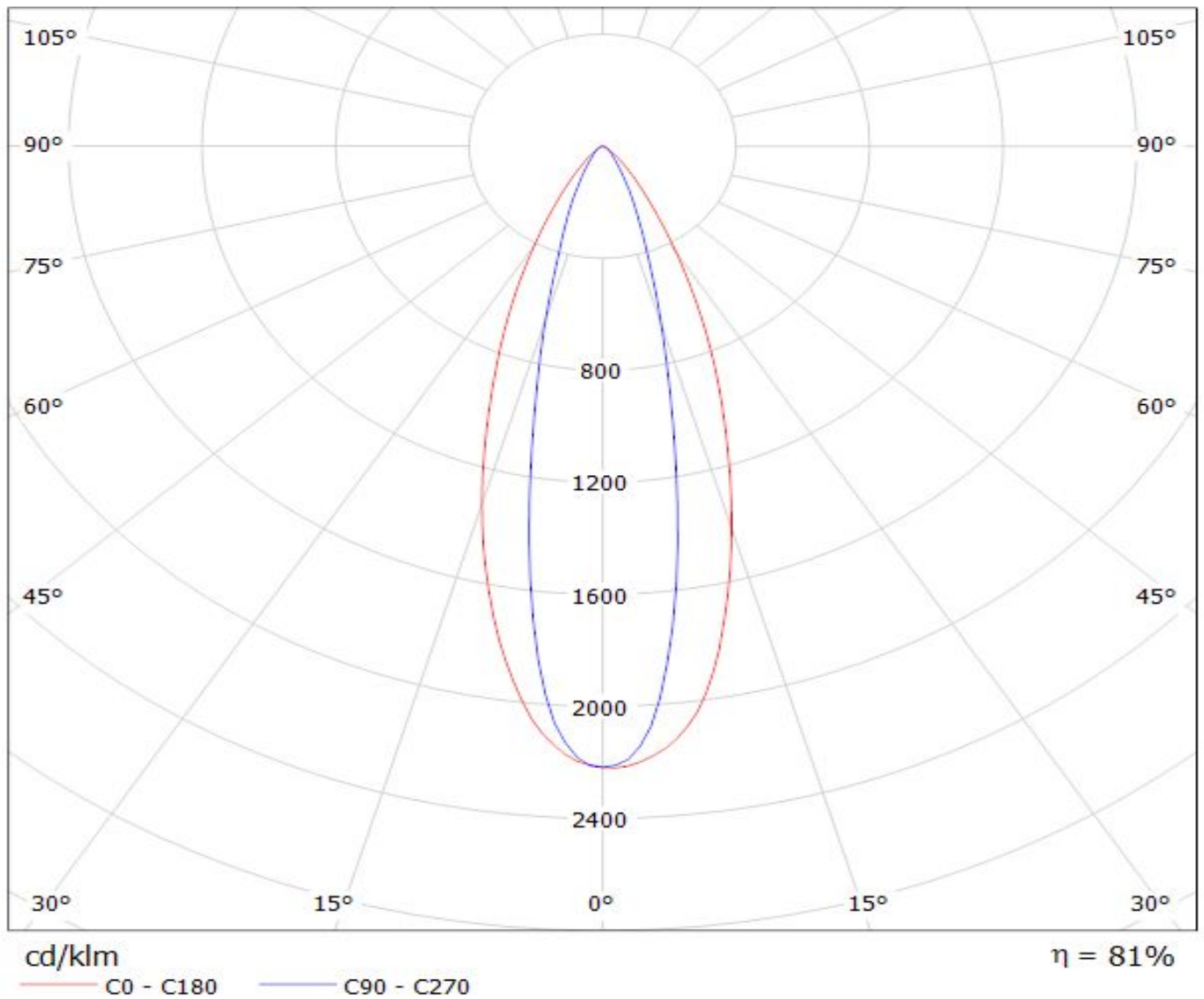
cd/klm

— C0 - C180 — C90 - C270

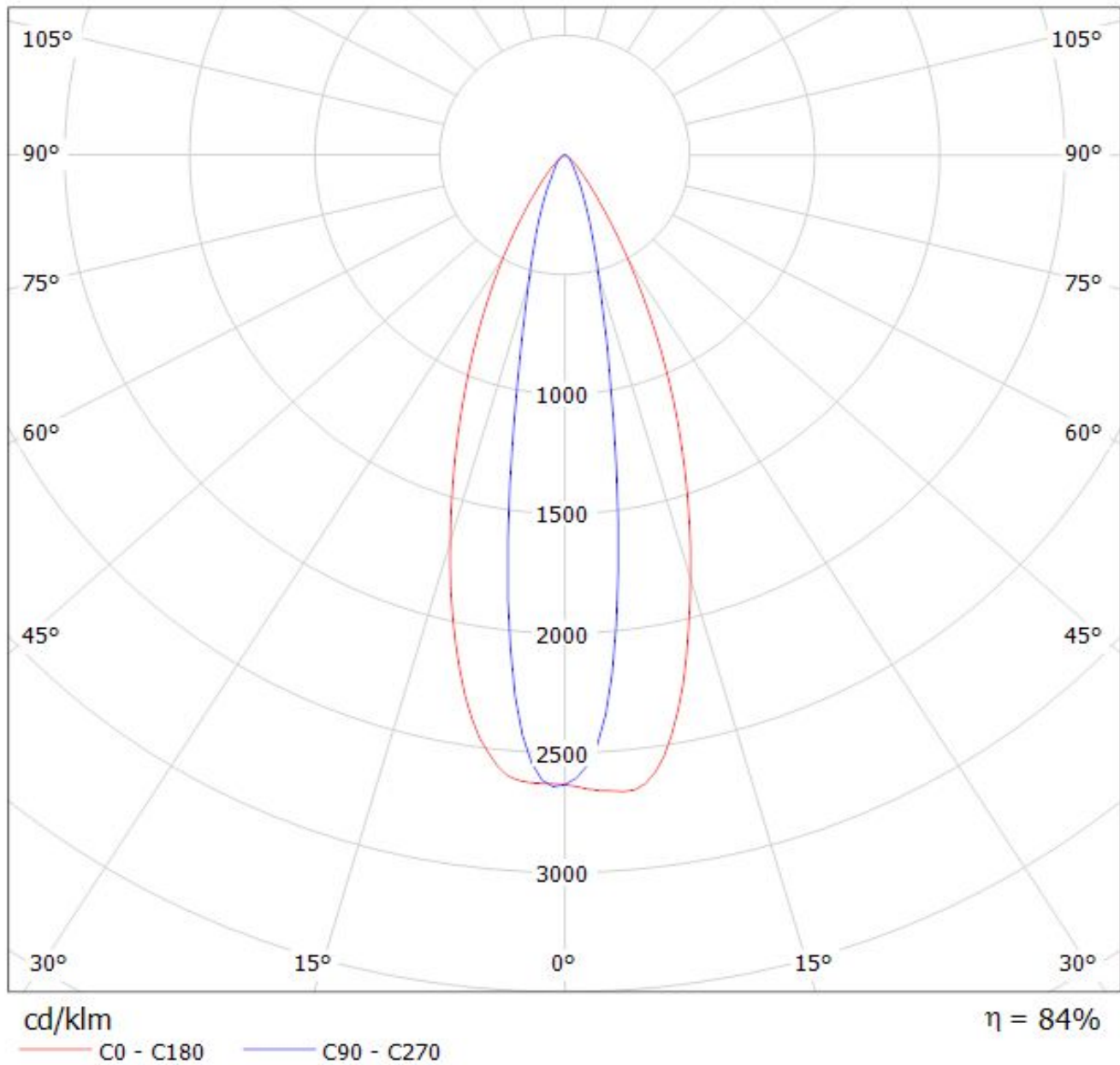
$\eta = 81\%$

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

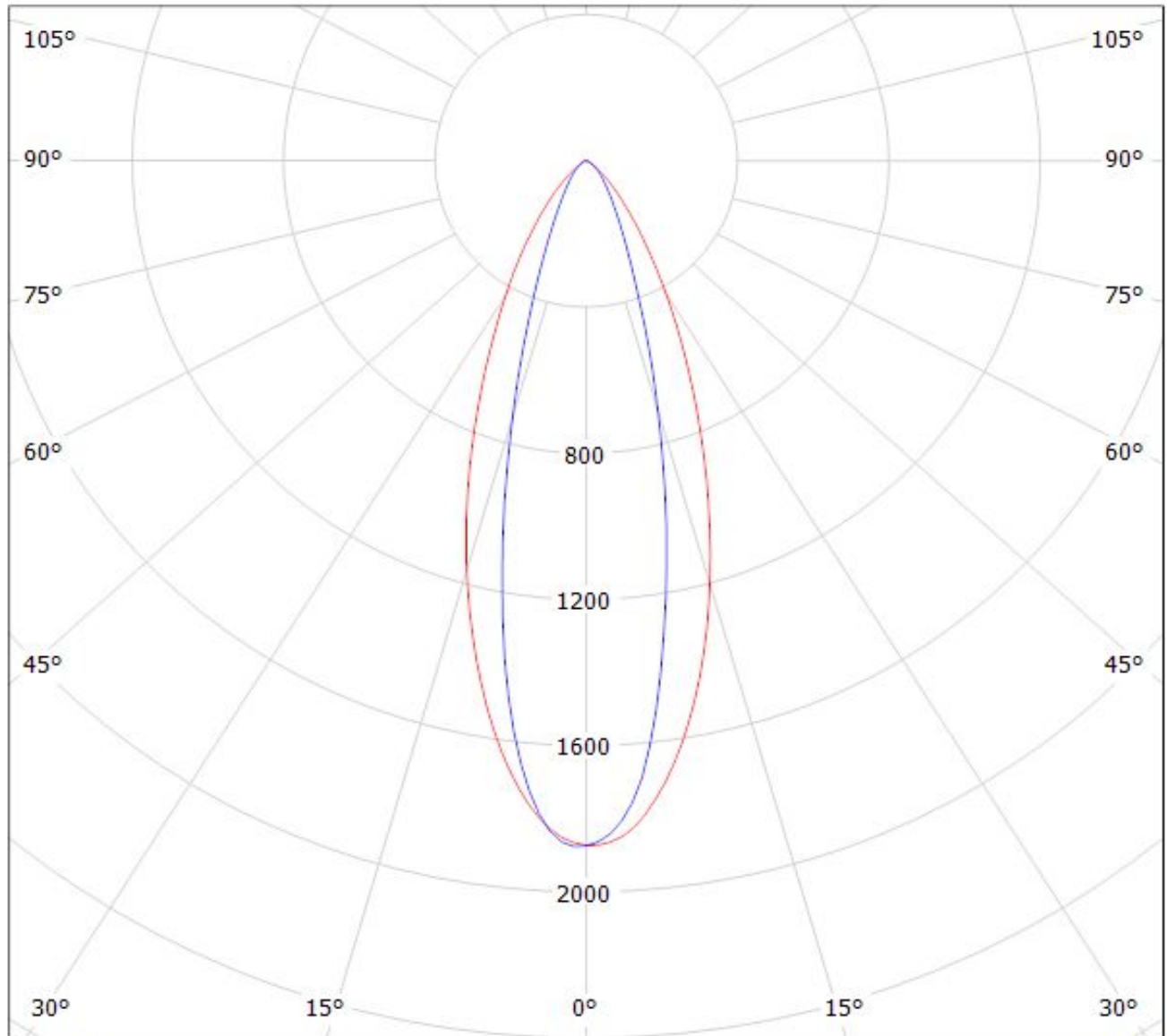
Luminaire: LEDiL Oy CP12942_LARISA-O-CLIP8/CP12943_LARISA-O-CLIP16_(LG3535_2W) Eff.81.5%
Lamps: 1 x LG3535_2W (97.3629lm@250mA)



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



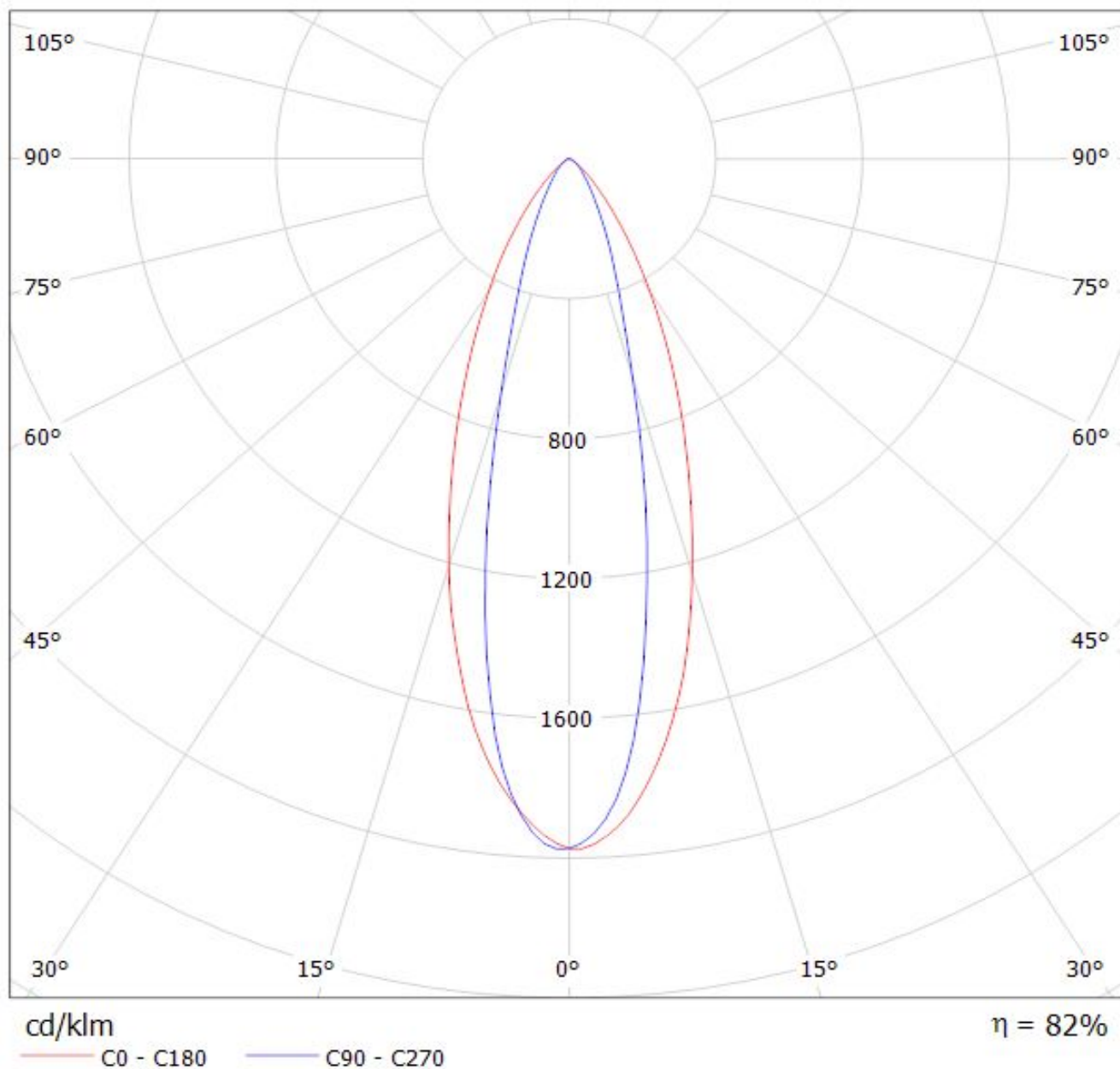
Luminaire: LEDiL Oy LARISA-O_Luxeon_A_(CLIP8&CLIP16) Eff.81.2%
Lamps: 1 x Luxeon A (66.8723lm@250mA)



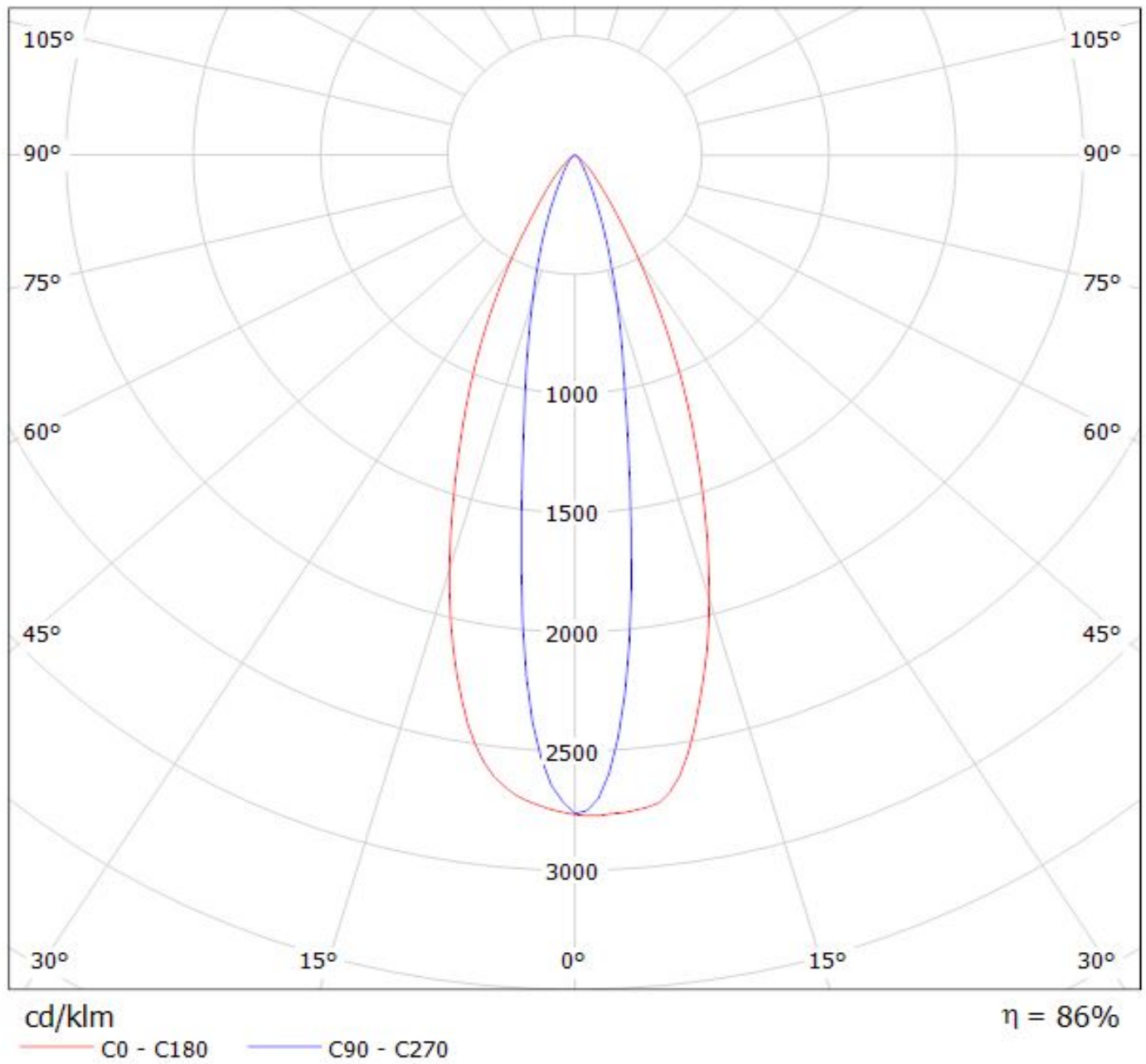
cd/klm
— C0 - C180 — C90 - C270

$\eta = 81\%$

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

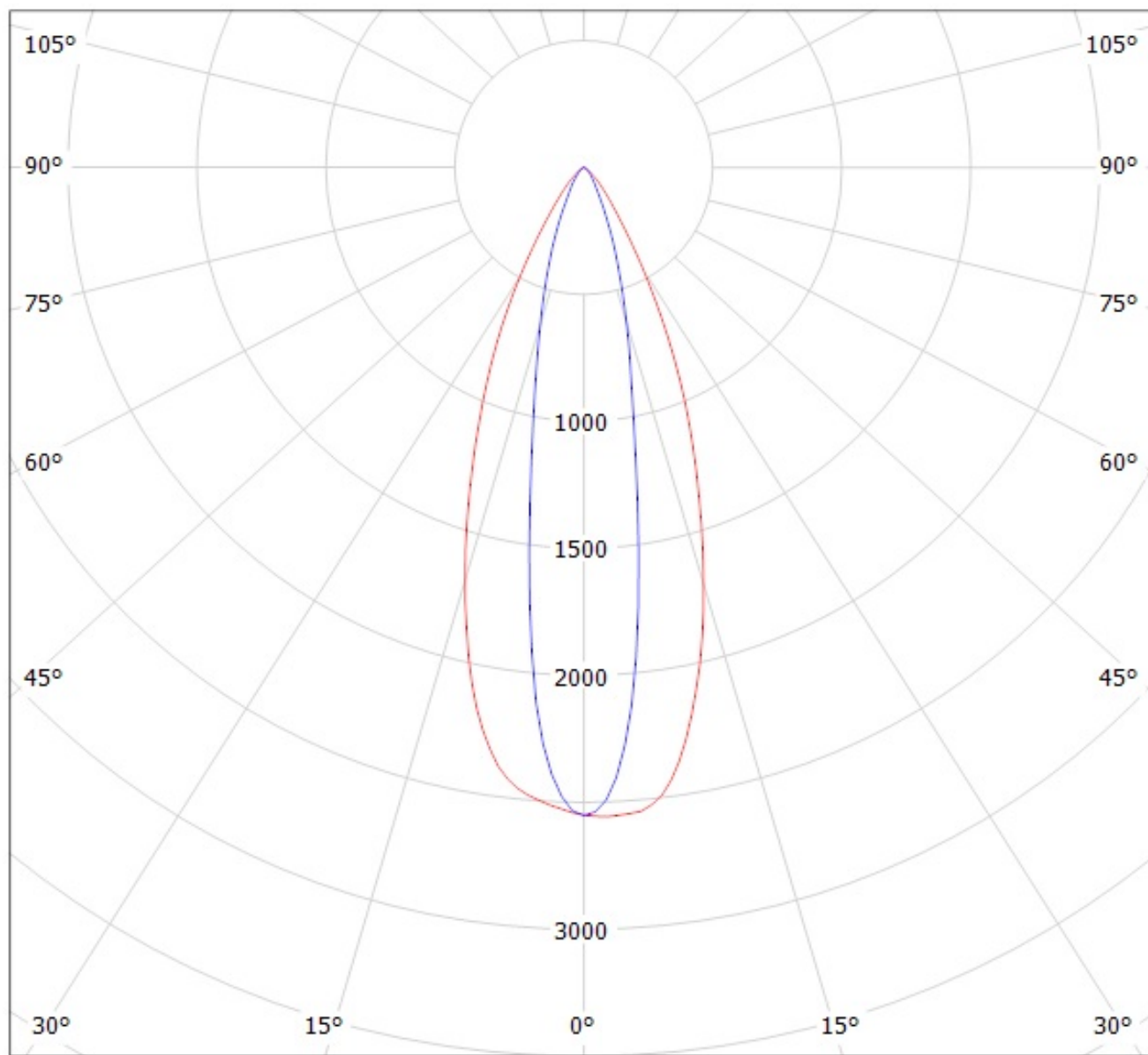


Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_Z_ES)
Lamps: 1 x Luxeon_Z_ES_50.5496lm@250mA_P=0.735456W_I=250mA



Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_Rebel_Plus)

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



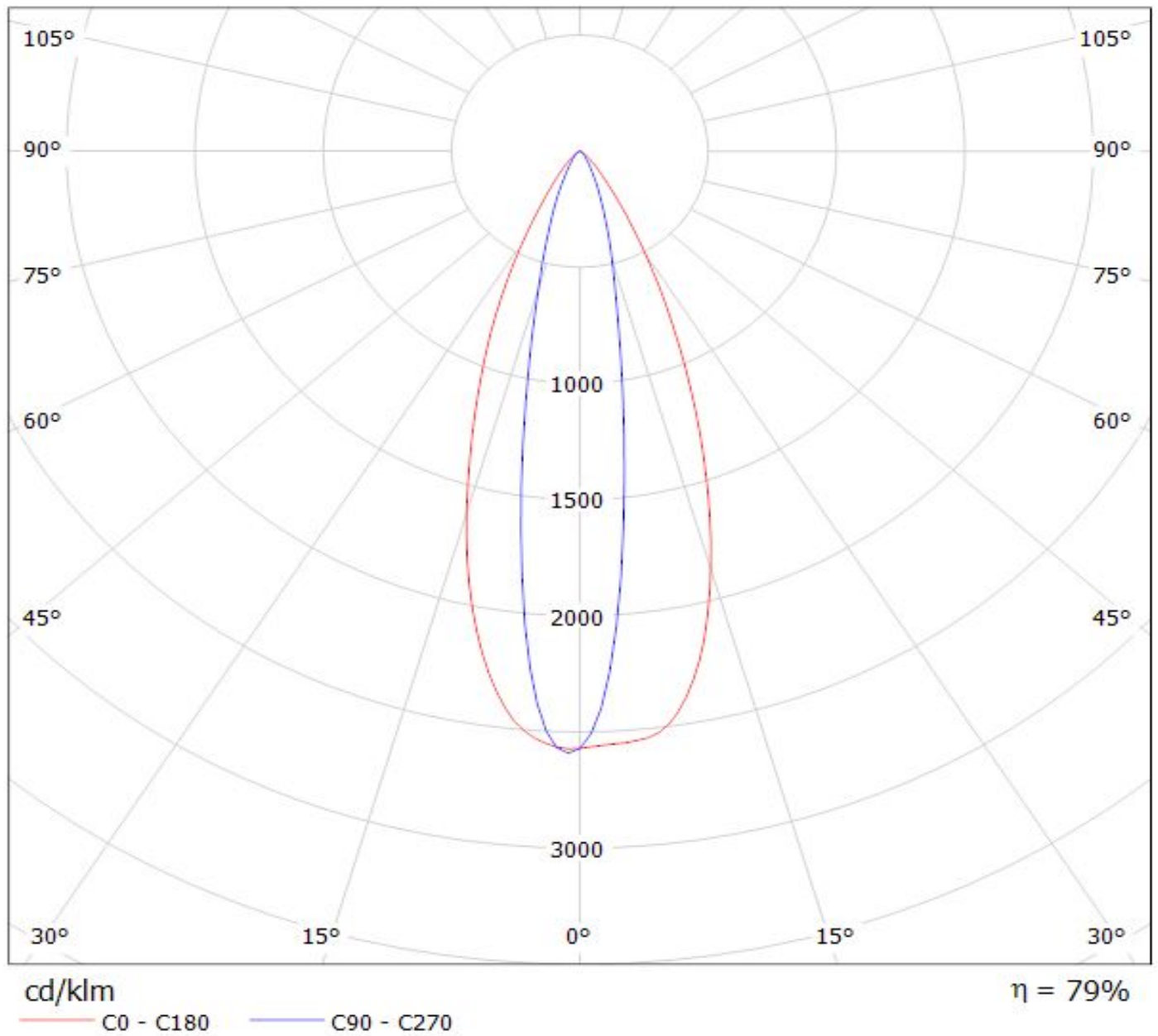
cd/klm

— C0 - C180

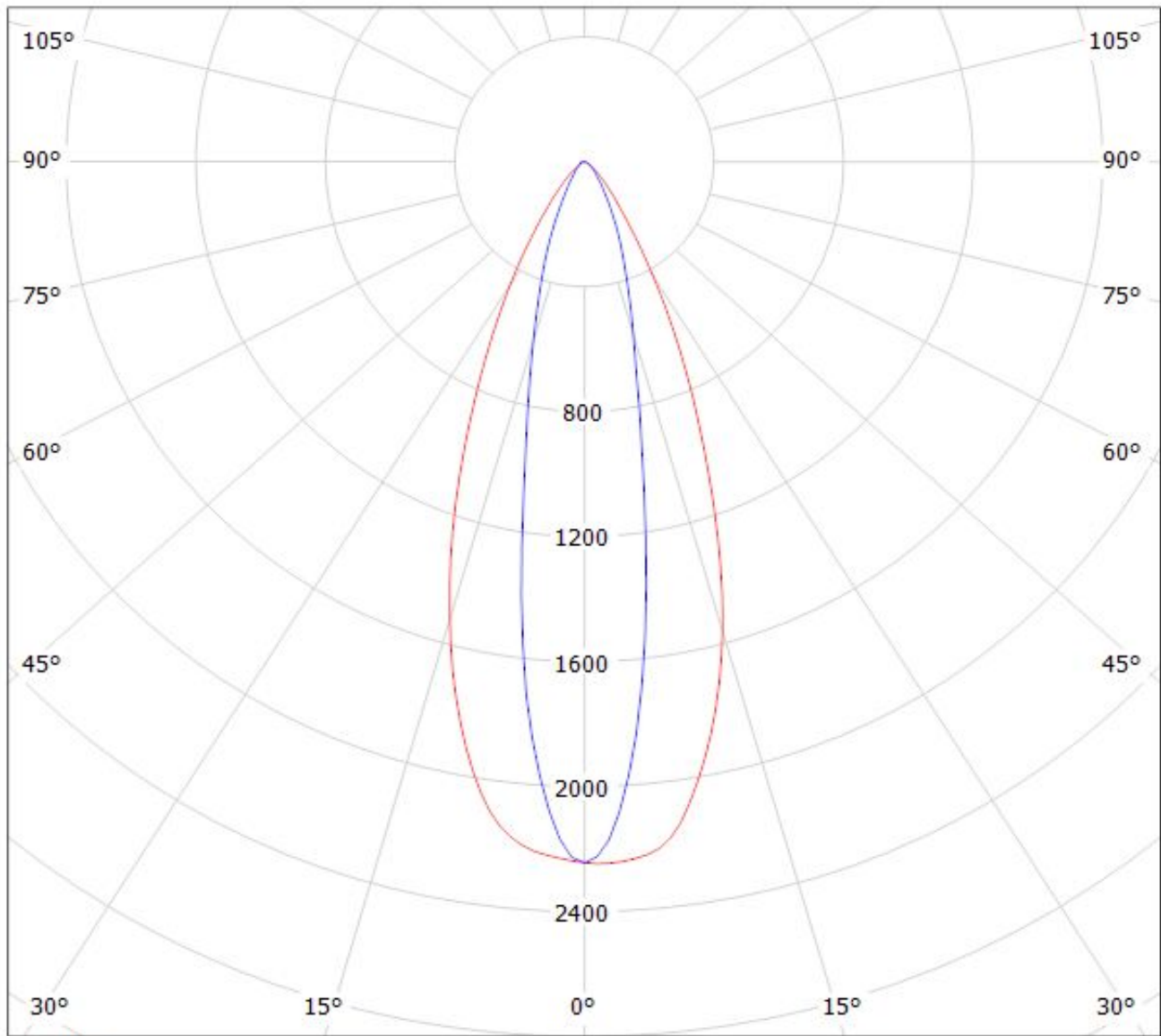
— C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CP12943_LARISA-O-CLIP16_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.9929lm@250mA_P=0.7402W_I=0.250A



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

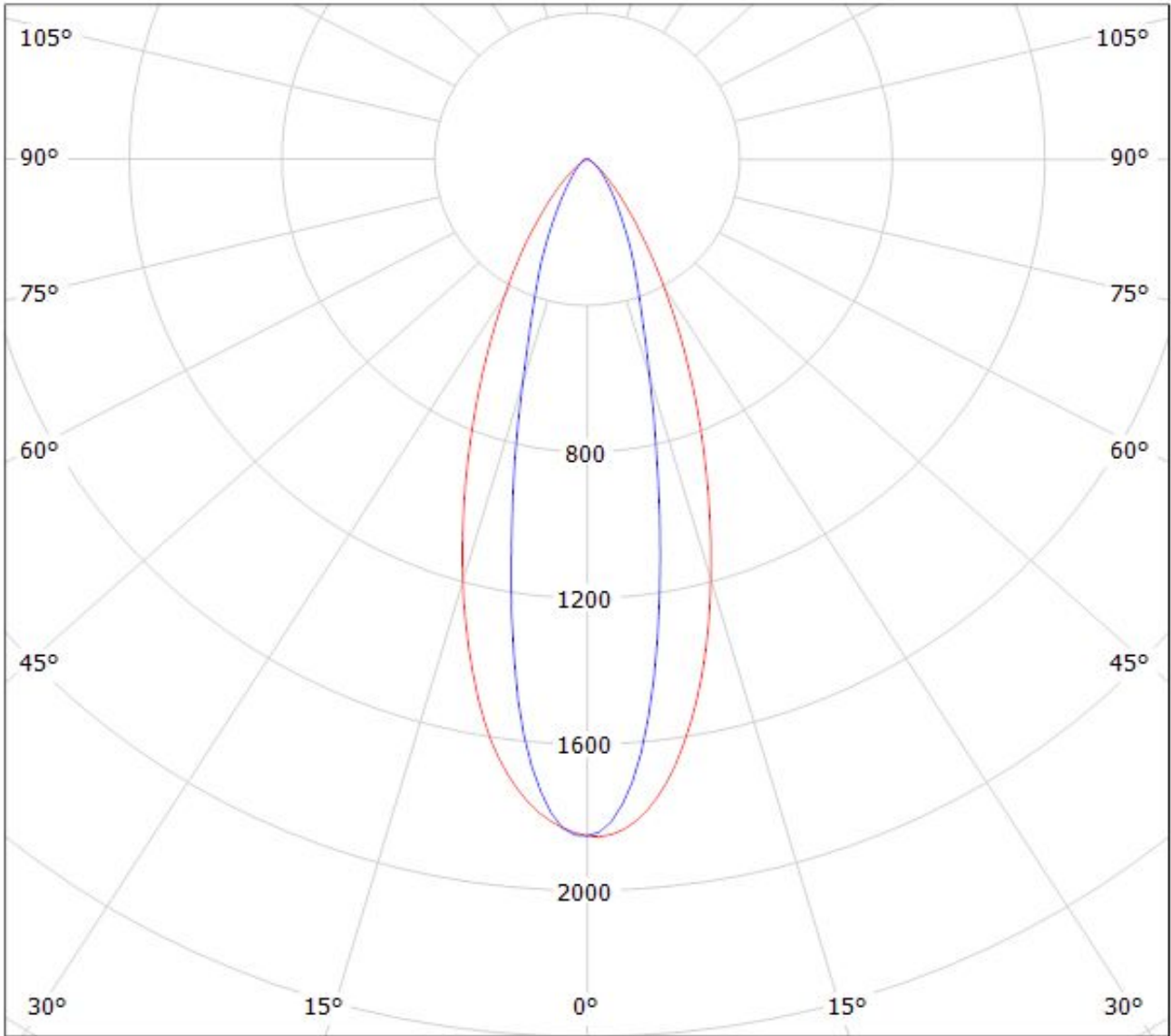


cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

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

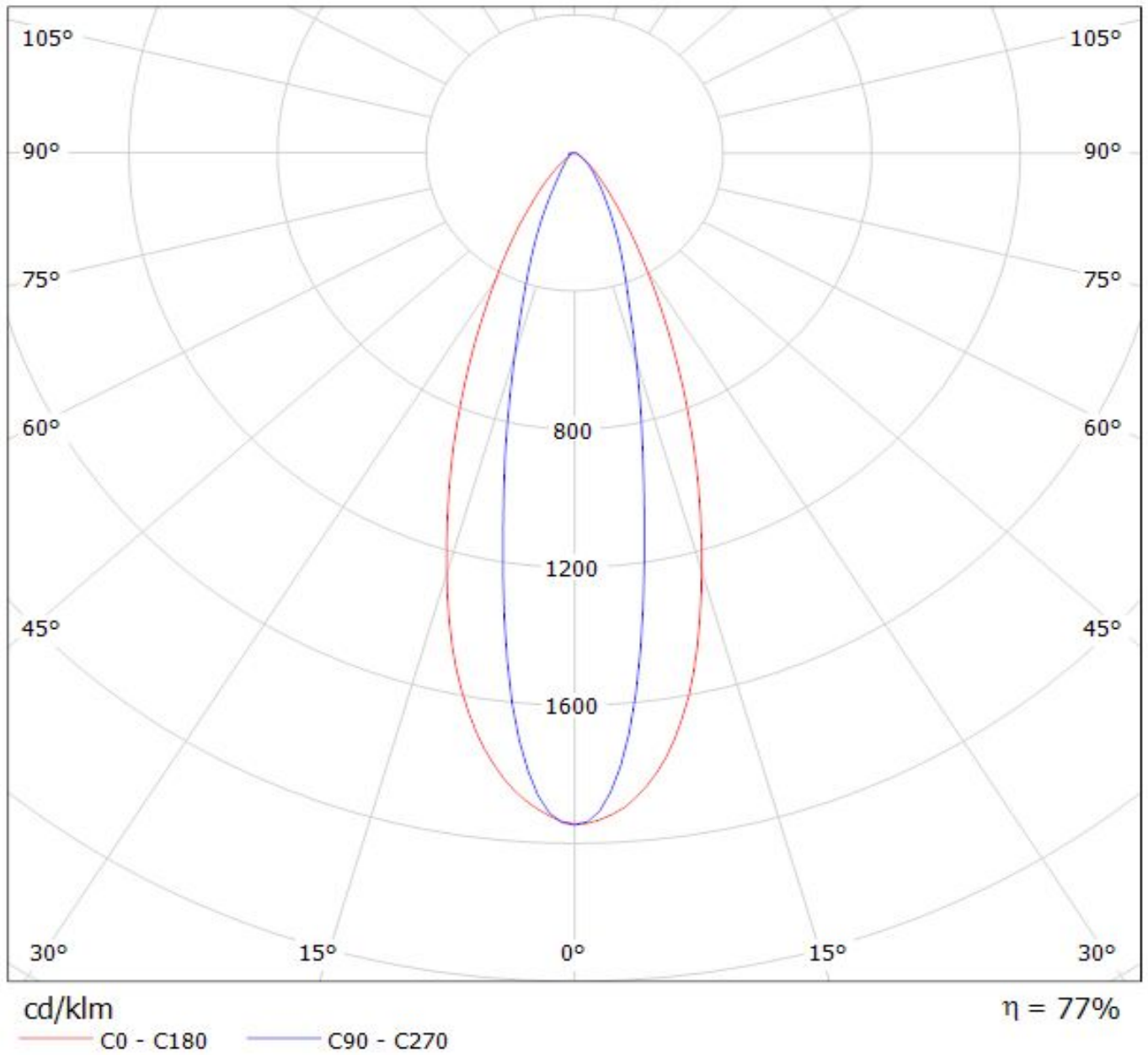


cd/klm

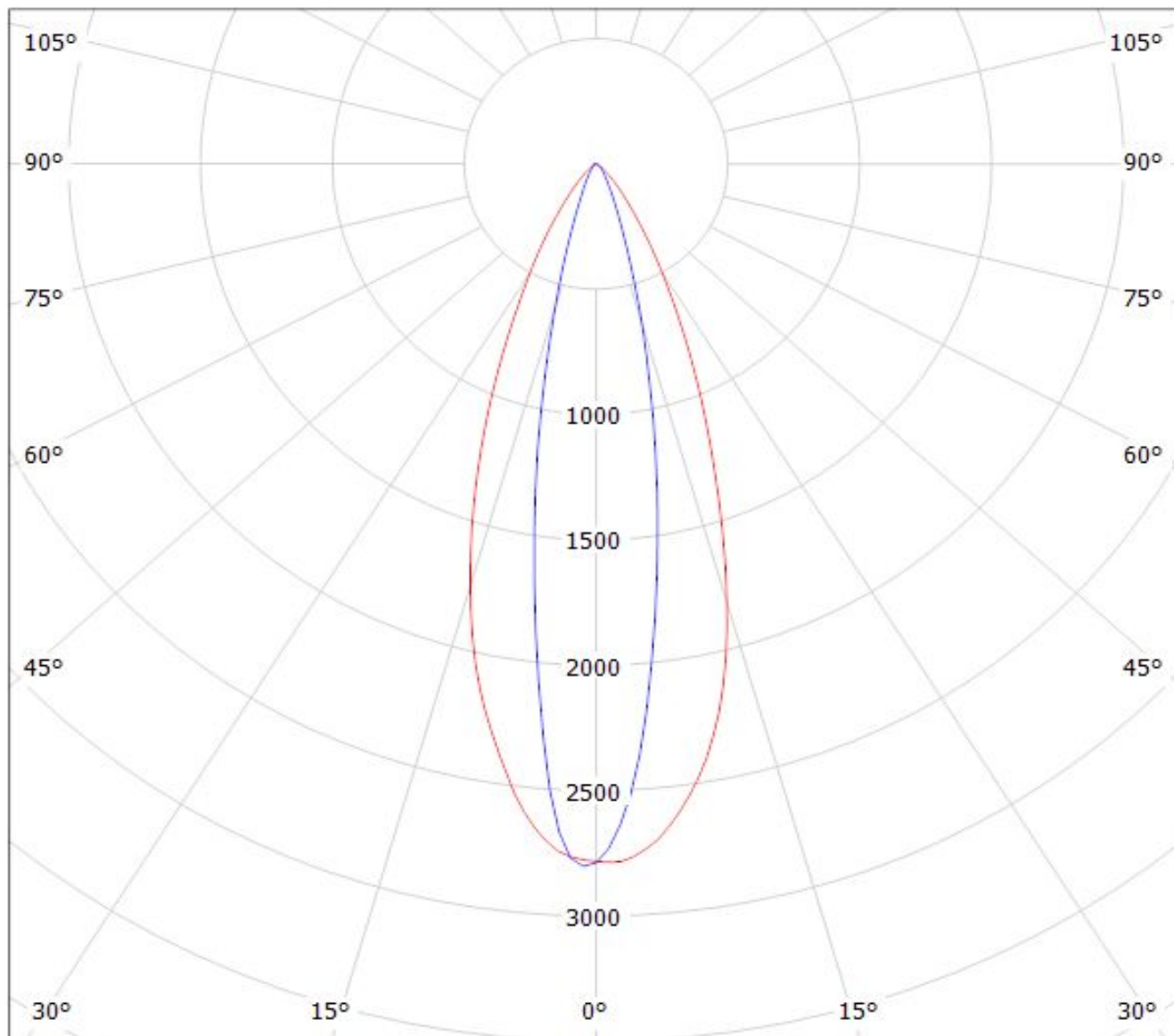
— C0 - C180 — C90 - C270

$\eta = 79\%$

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_SSL150_(CLIP8&CLIP16) Eff.84.0%
Lamps: 1 x SSL150 (71.2649lm@250mA)

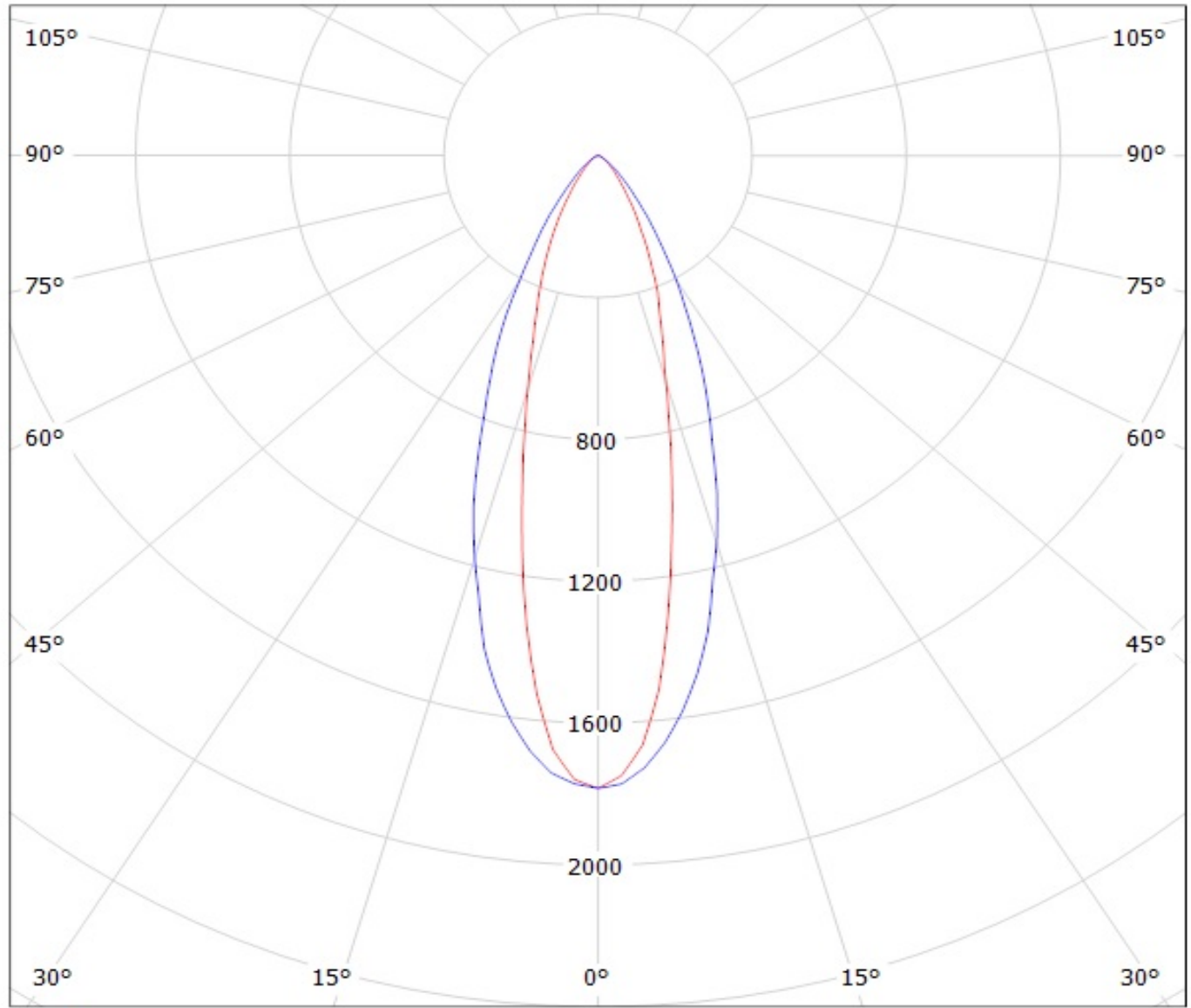


cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CP12943_LARISA-O-CLIP16_(Duris_S5) Efficiency=79%
Lamps: 1 x Osram Duris S5 (GW PSLPS1-EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



cd/klm
— 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.