

DETAILS

Product Number	CS14839_HB-2X2MX-WWW
Family	HighBay
Type	Assembly
Color	clear
Diameter	90x90 mm
Height	16,38 mm
Style	square
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	31/05/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
SMD 5050	sim: 78	WWW-class	sim: 94 %	sim: 0.580	-
PSL440	73 deg	WWW-class	92 %	0.614	-
PSL445	73 deg	WWW-class	94 %	0.580	-
XHP70	77 deg	WWW-class	93 %	0.550	-
XHP35 HD	76 deg	WWW-class	93 %	0.530	-
XHP35 HI	73 deg	WWW-class	93 %	0.560	-
XHP50	73 deg	WWW-class	93 %	0.570	-
XHP50.2	sim: 87	WWW-class	sim: 94 %	sim: 0.460	-
H70E0	77 deg	WWW-class	93 %	0.530	-
LUXEON M/MX	78 deg	WWW-class	93 %	0.560	-
LUXEON MZ	71 deg	WWW-class	75 %	0.520	-
LUXEON XR-M square 2x2	78 deg	WWW-class	94 %	0.570	-
NFMW48xA	sim: 77	WWW-class	sim: 93 %	sim: 0.580	-
OSCONIQ P 7070	sim: 78	WWW-class	sim: 92 %	sim: 0.572	-
Duris S10	66 deg	WWW-class	94 %	0.700	-

H G F E

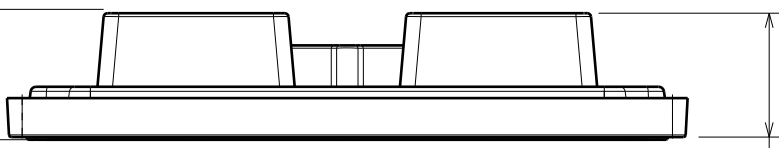
4

3

2

1

17
(incompressible seal)

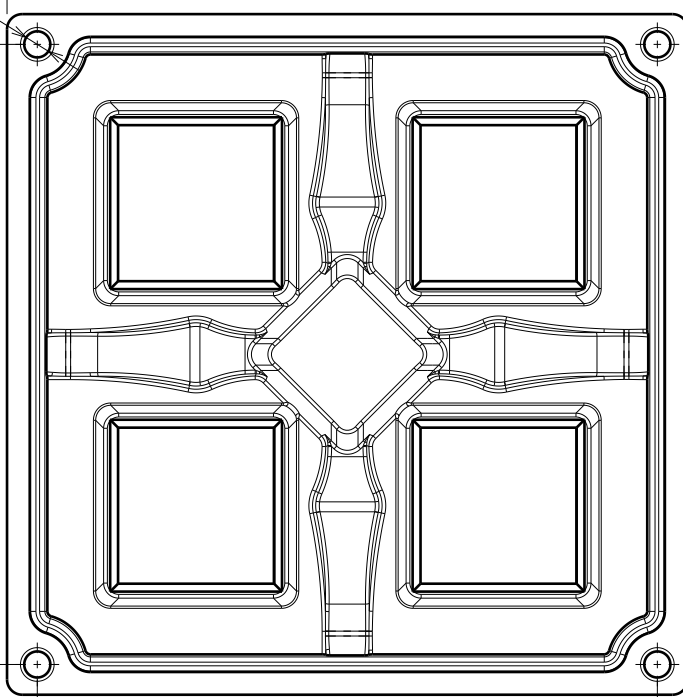


16.38

90

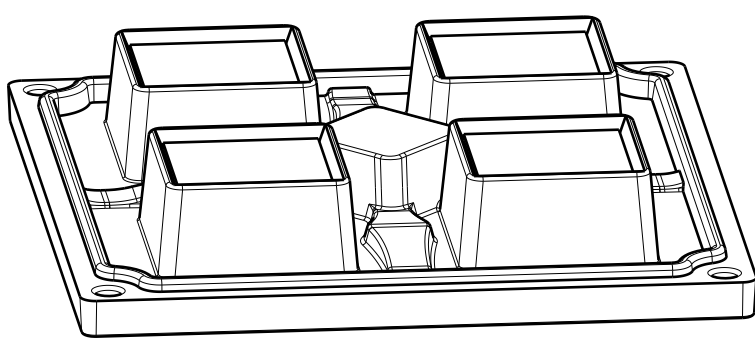
∅ 3.45
(4X)

82



90

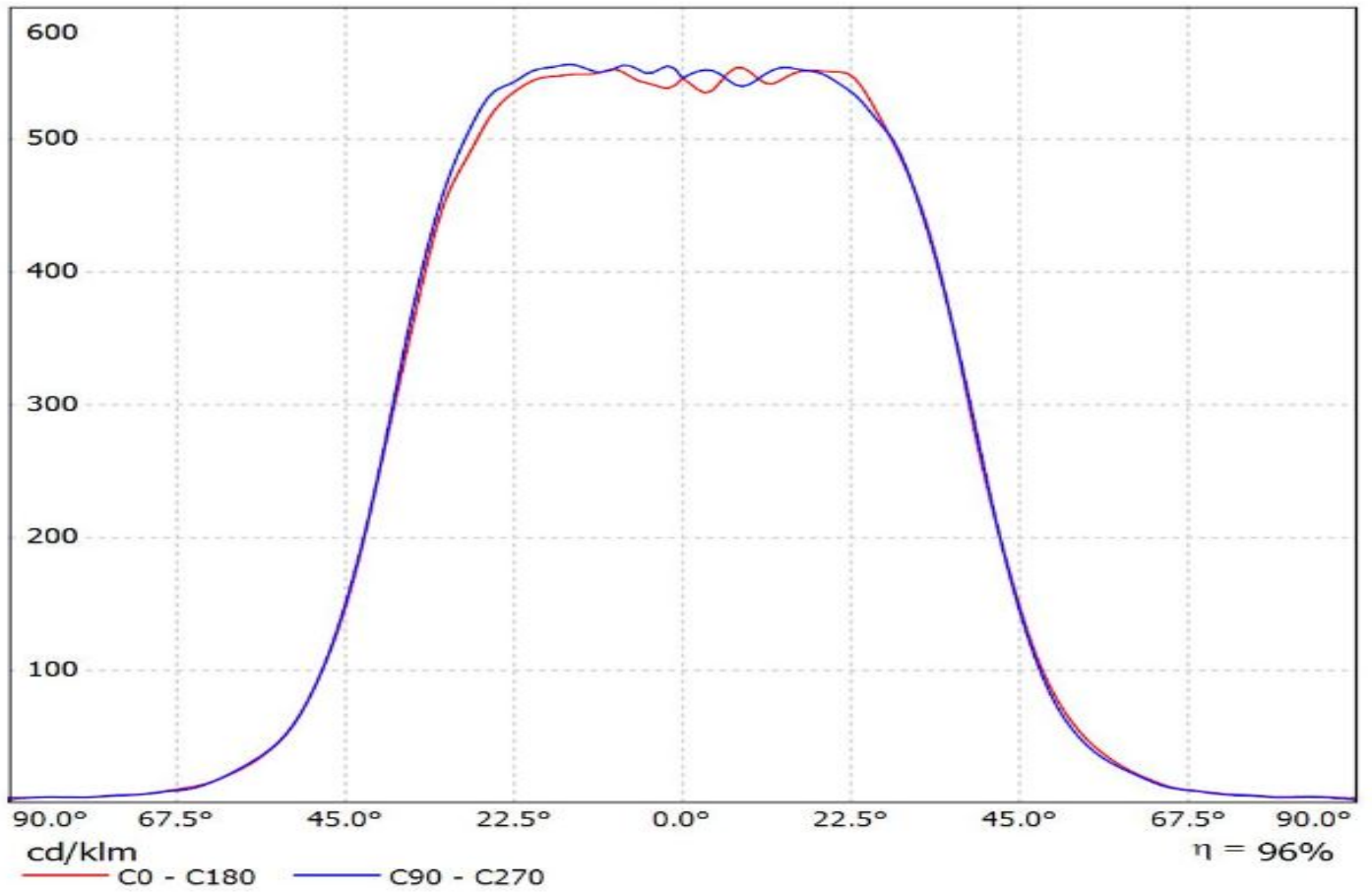
82



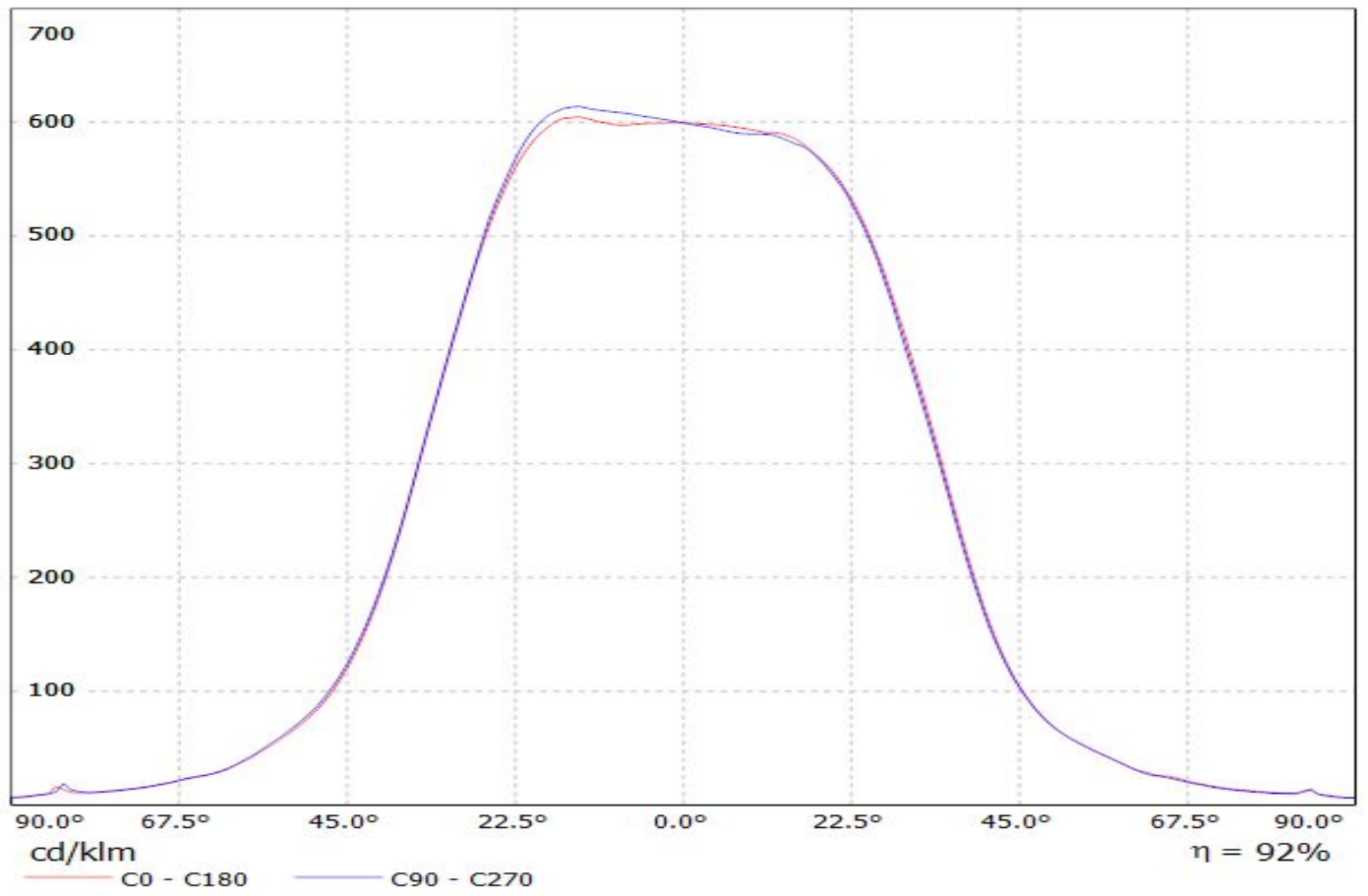
Isometric view (1:1)

H G

Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_BRIDGELUX_SMD_5050_SIMULATED
Lamps: 1 x BRIDGELUX SMD 5050

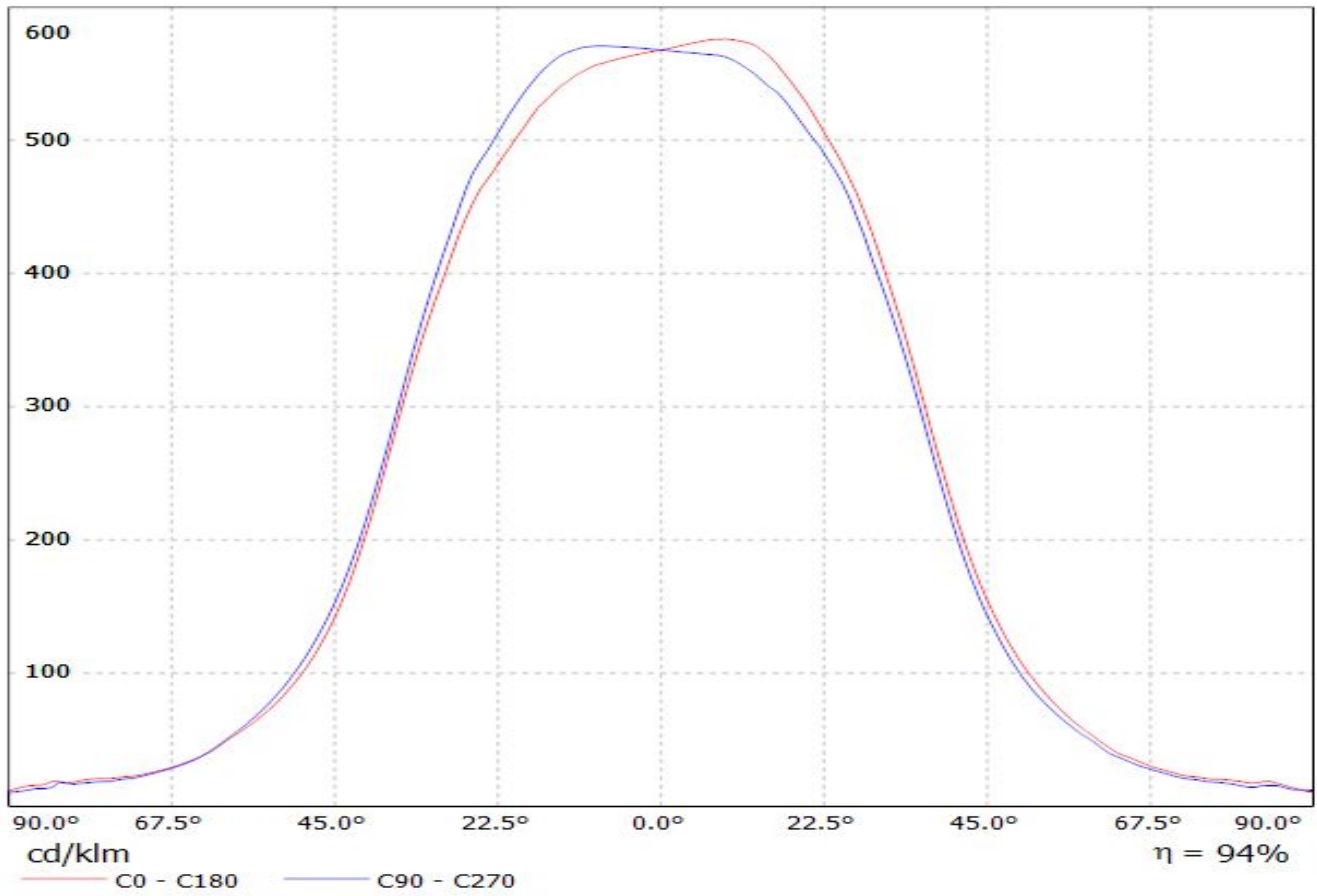


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL440)_GS
Lamps: 1 x Citizen_PSL440_1034.87lm@250mA_P=11.3823W_I=0.250A

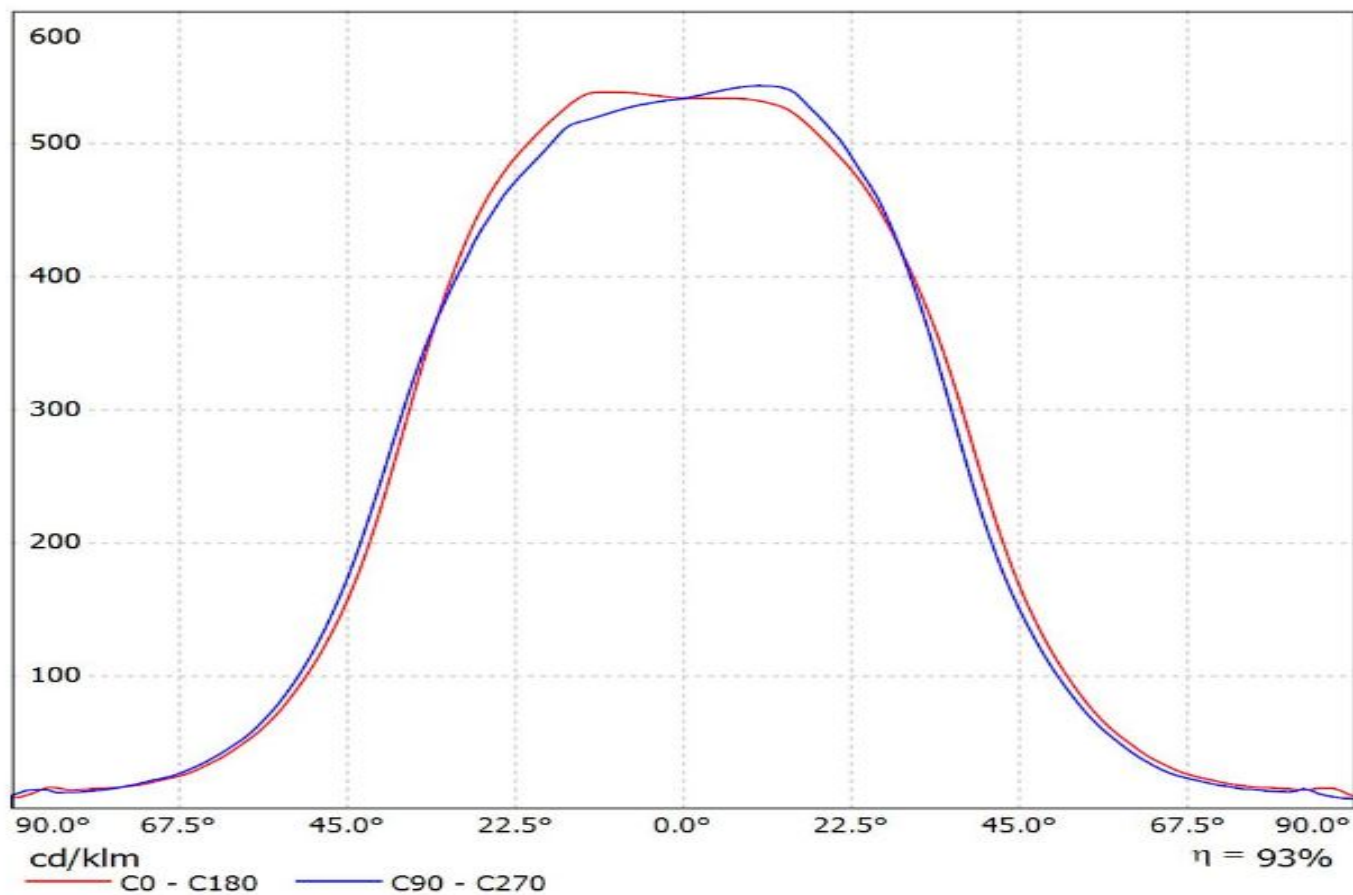


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL445)

Lamps: 1 x Citizen_PSL445_2x2_1674.9lm@250mA_P=11.1421W_I=0.250A_CCT=2700K

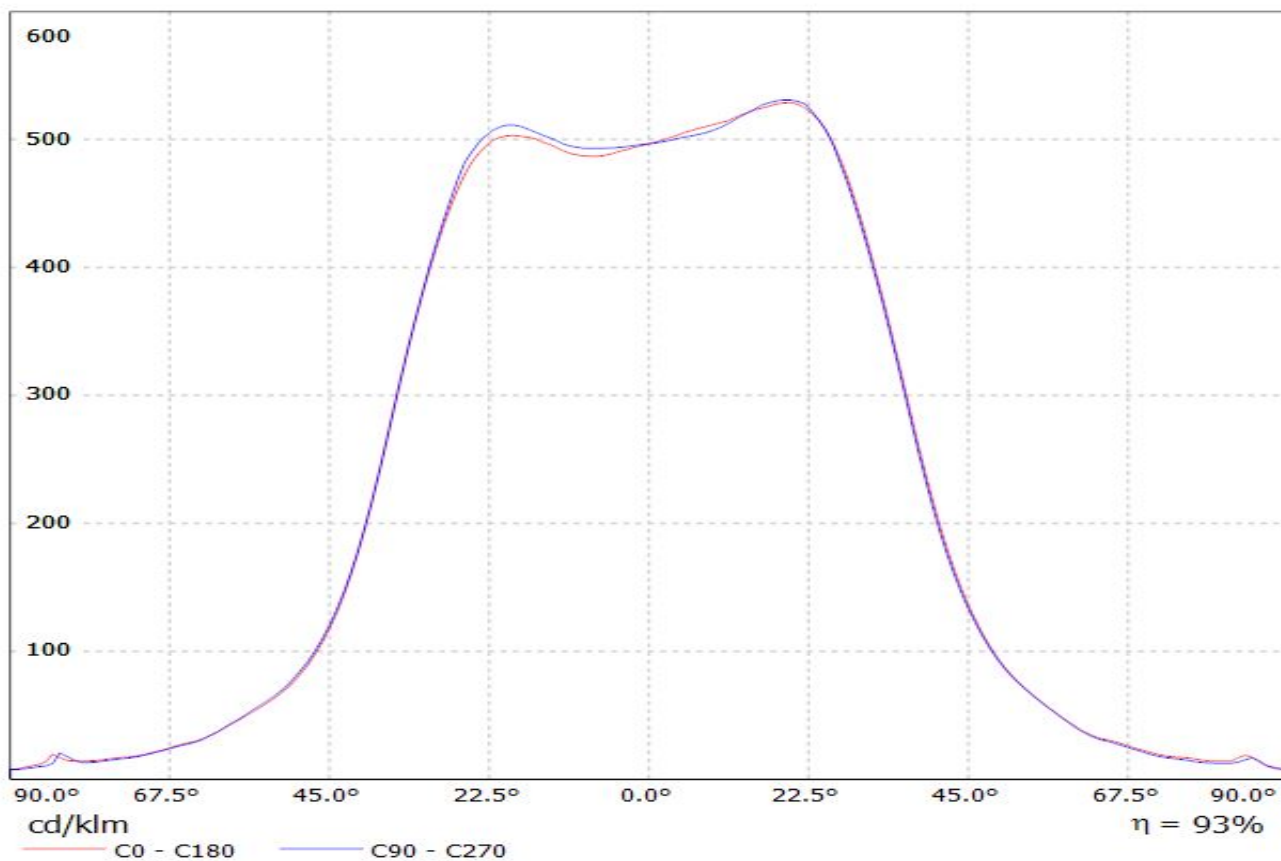


Luminaire: Ledil CS14839_HB-2X2MX-WWW_(XHP70)
Lamps: 1 x Cree_XHP70-2x2_Mx_1522.16lm@250mA_P=11.084W_I=0.25A



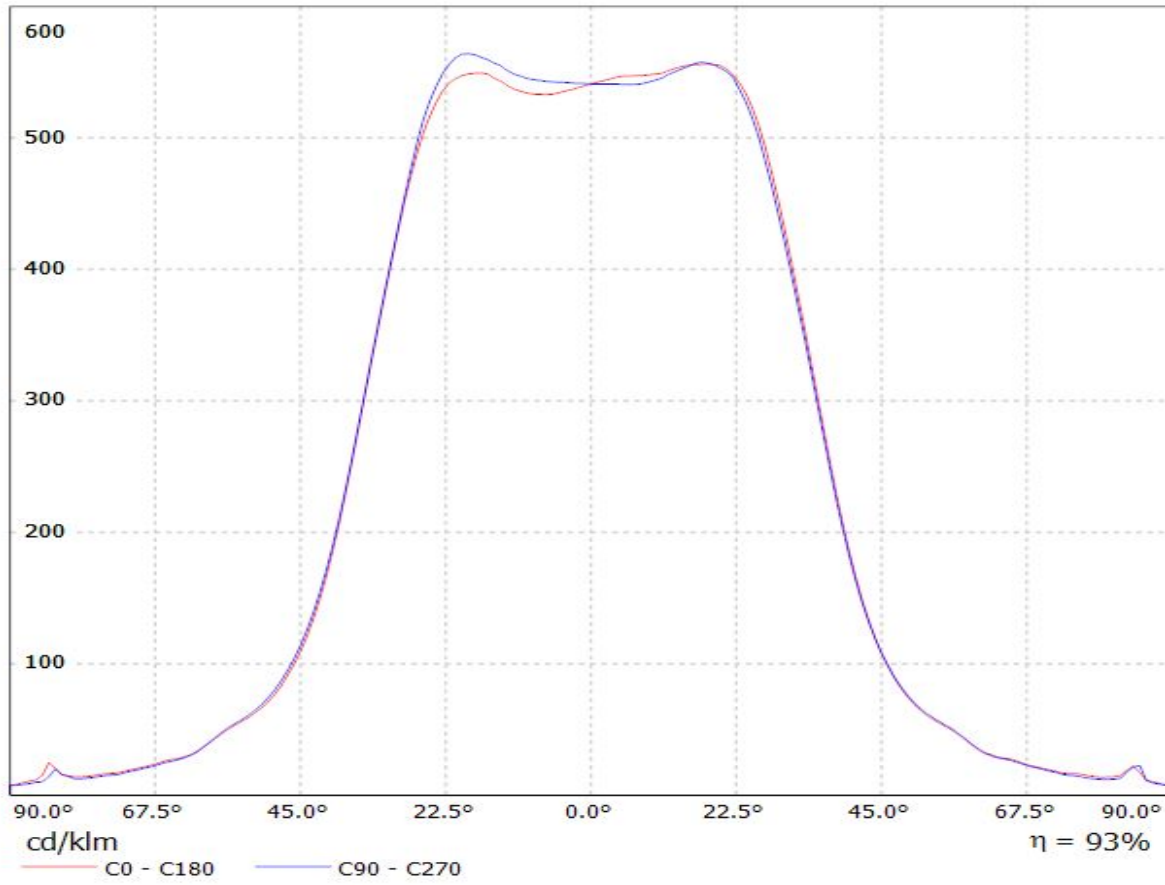
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HD)

Lamps: 1 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1728.98lm@250mA_P=11.3112W_I=0.250A



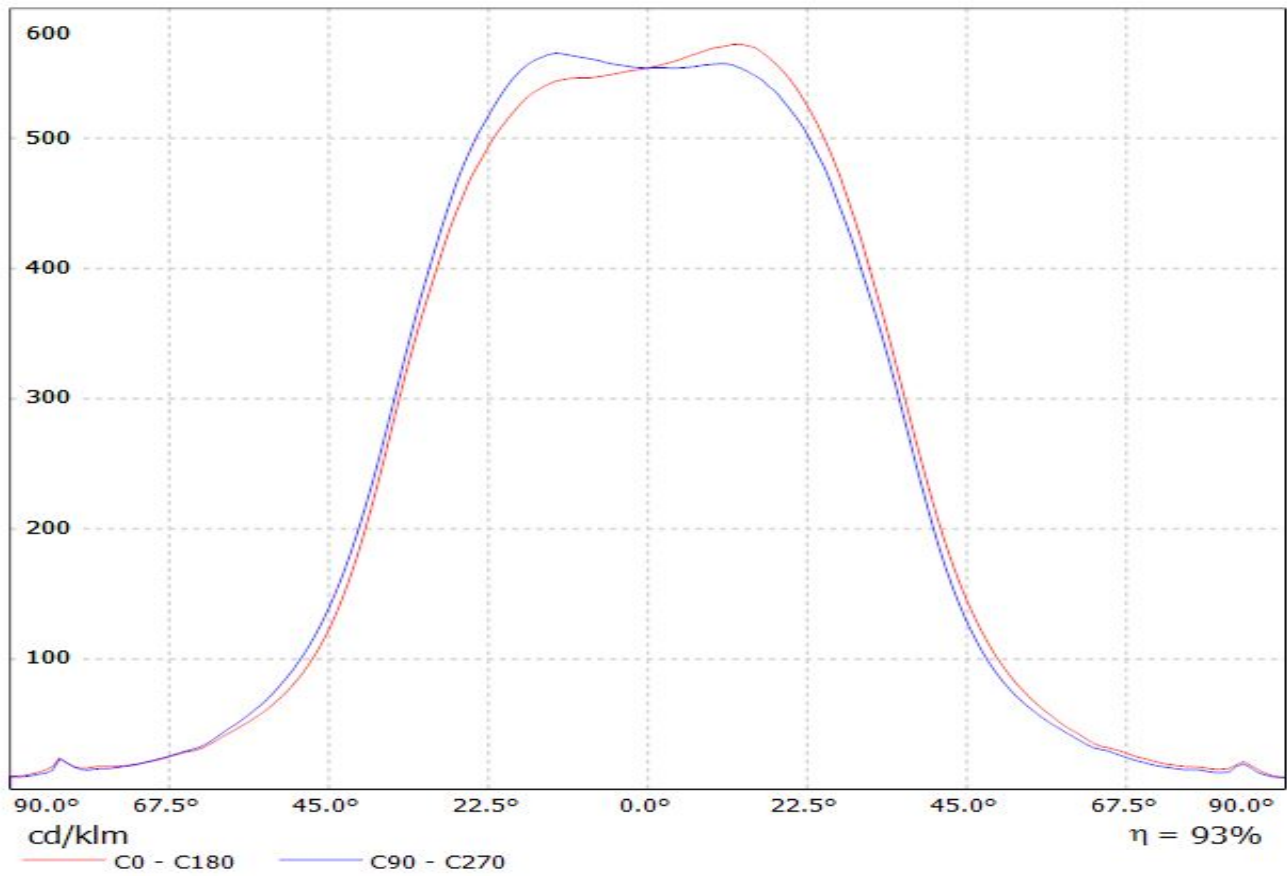
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HI)

Lamps: 1 x Cree_XHP35_HI_(XHP35A-H-5C0-D40-D0-B-01)_1615.75lm@250mA_CCT=4000K_P=11.4373W_I=0.250A

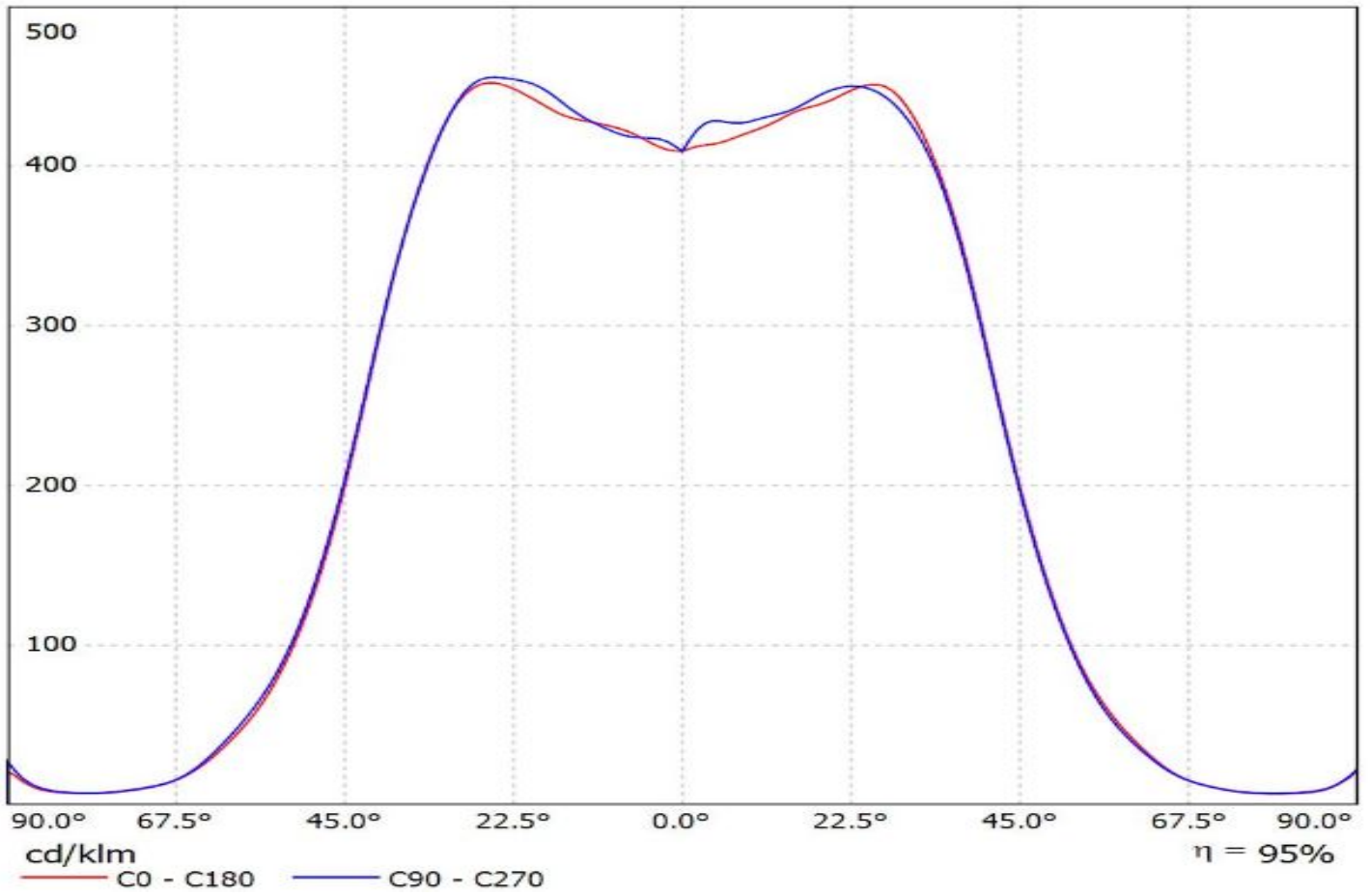


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWWW_(XHP50)

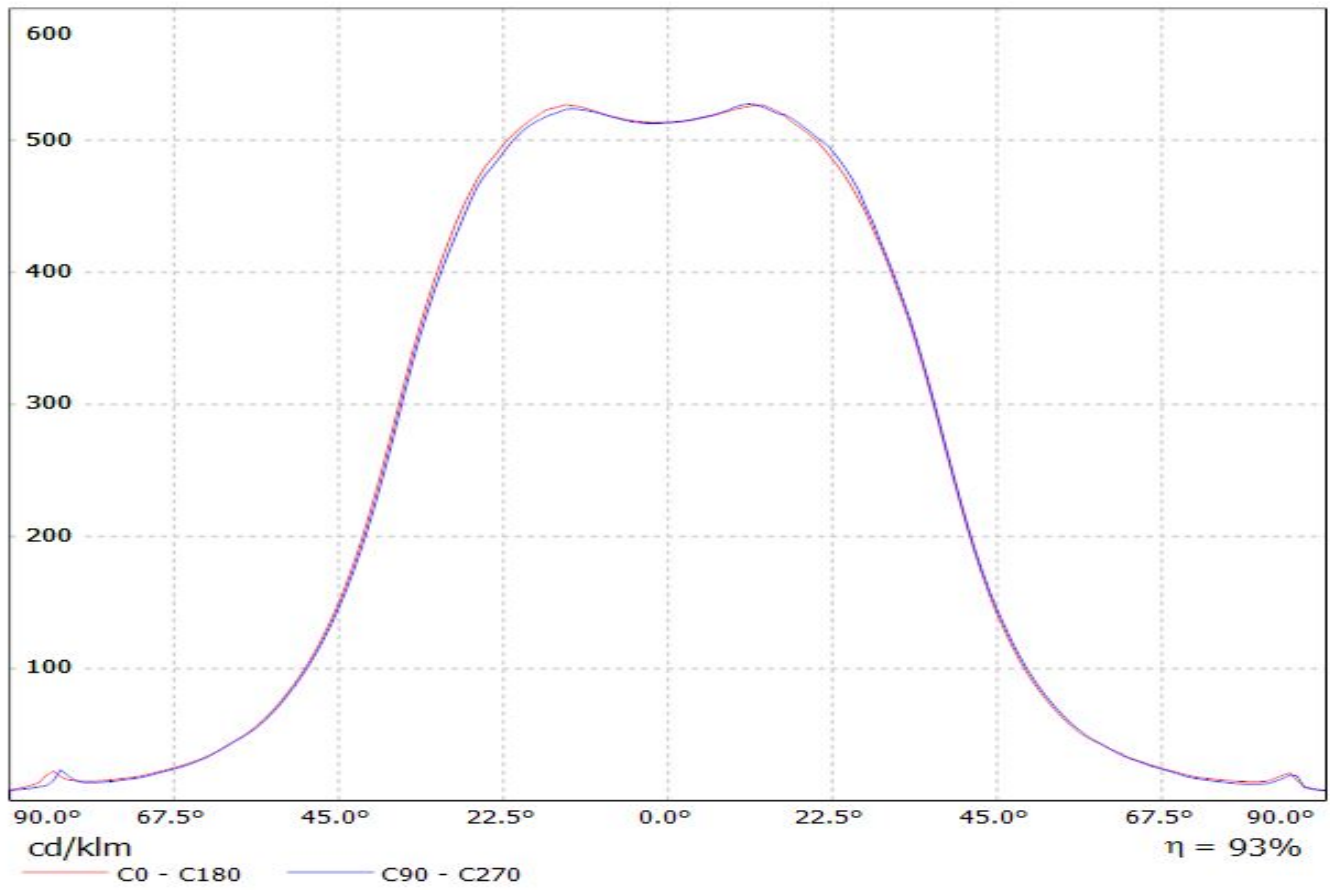
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1815.51lm@250mA_P=11.4658W_I=0.250A



Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_(XHP50_2)_SIMULATED
Lamps: 1 x Cree XHP50.2

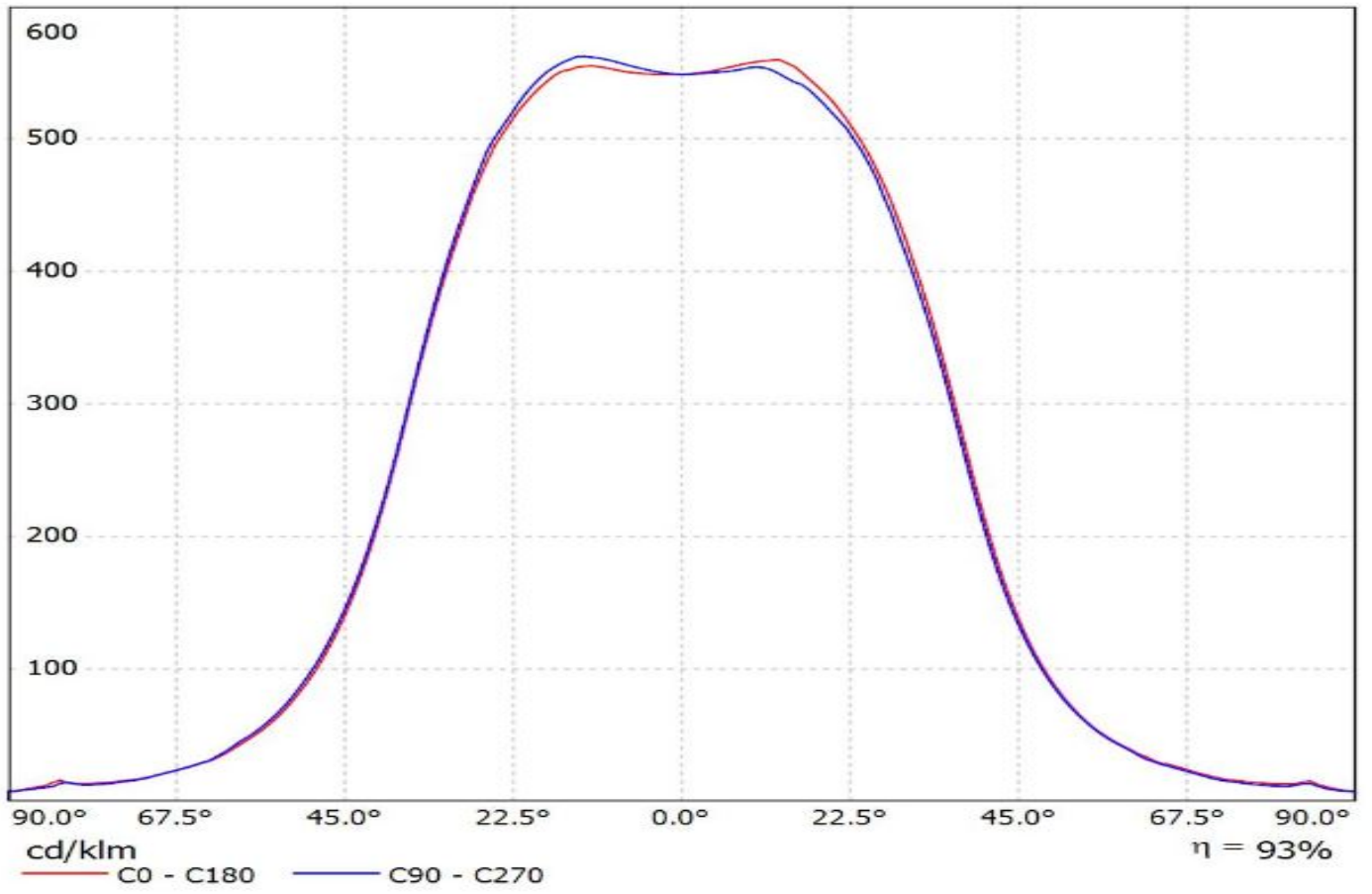


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(H70E0)
Lamps: 1 x LG_H70E0_1790.78lm@250mA_P=11.2987W_I=0.250A



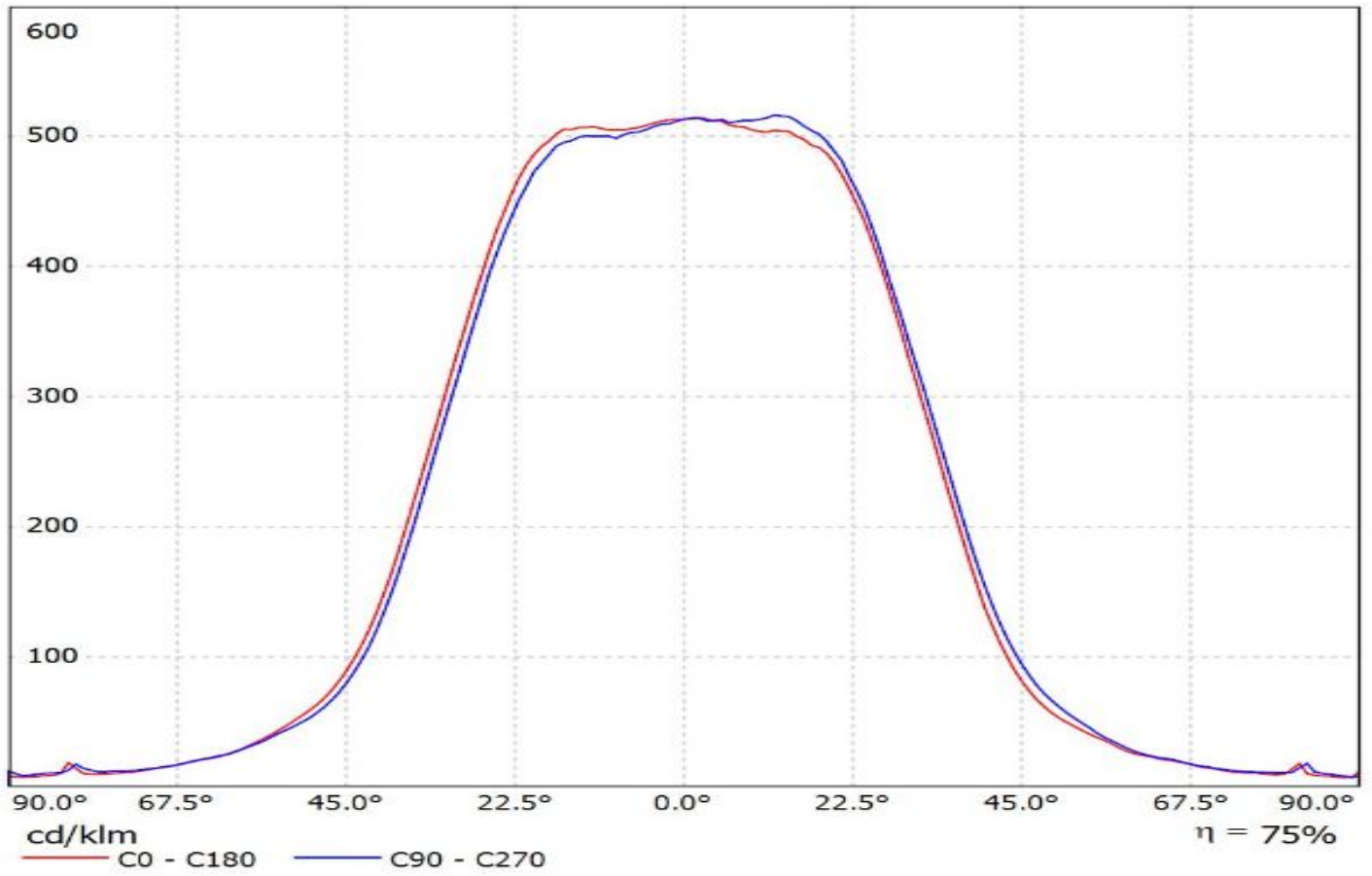
Luminaire: Ledil CS14839_HB-2X2MX-WWW_(LUXEON_M)

Lamps: 1 x LUXEON_M_2X2_(LXM8-SW30)_1445.21lm@250mA_P=11.117W_I=0.25A



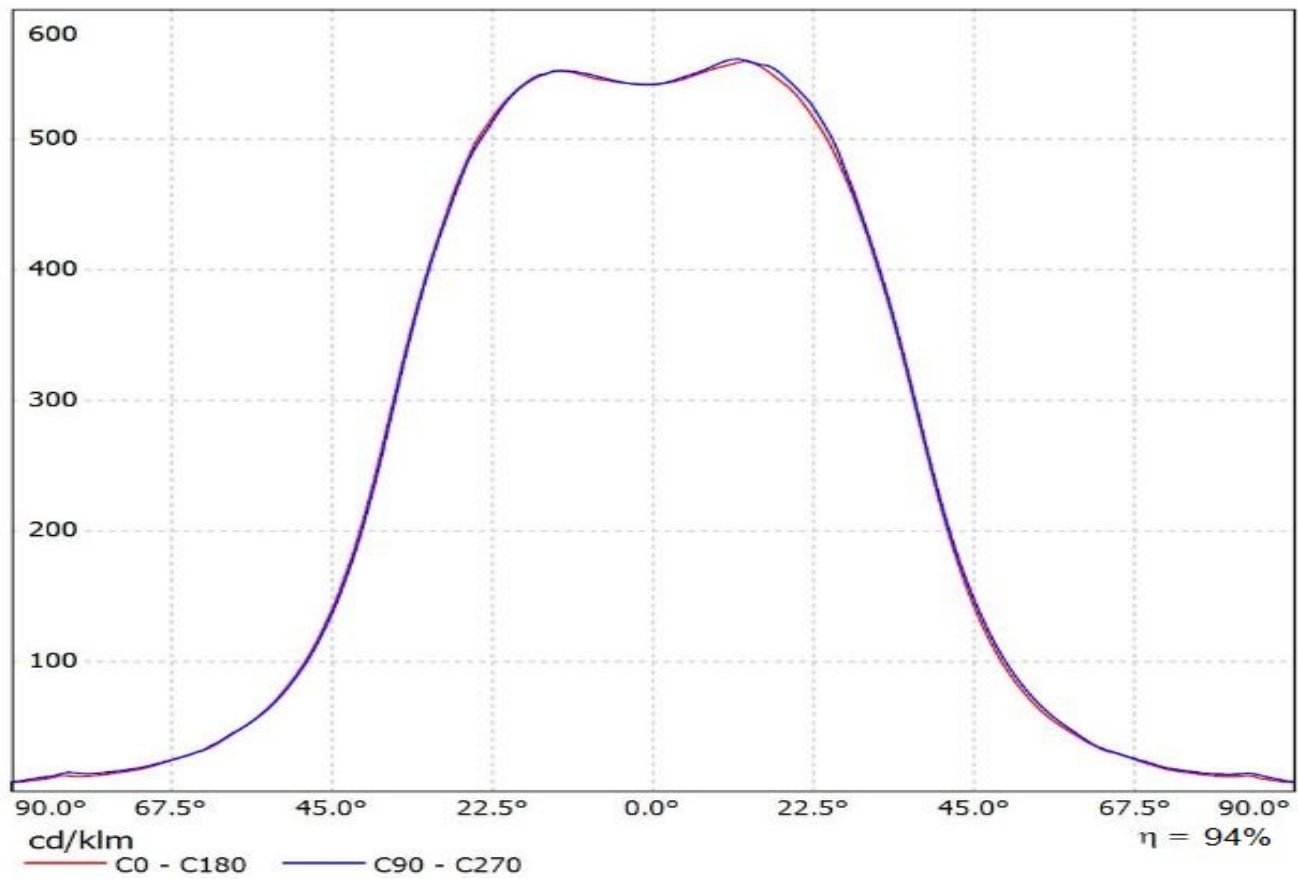
Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_MZ)

Lamps: 1 x LUXEON_MZ_2X2_(LMZ9-SW30)_1377.64lm@250mA_CCT=3000K_P=11.05W_I=0.25A

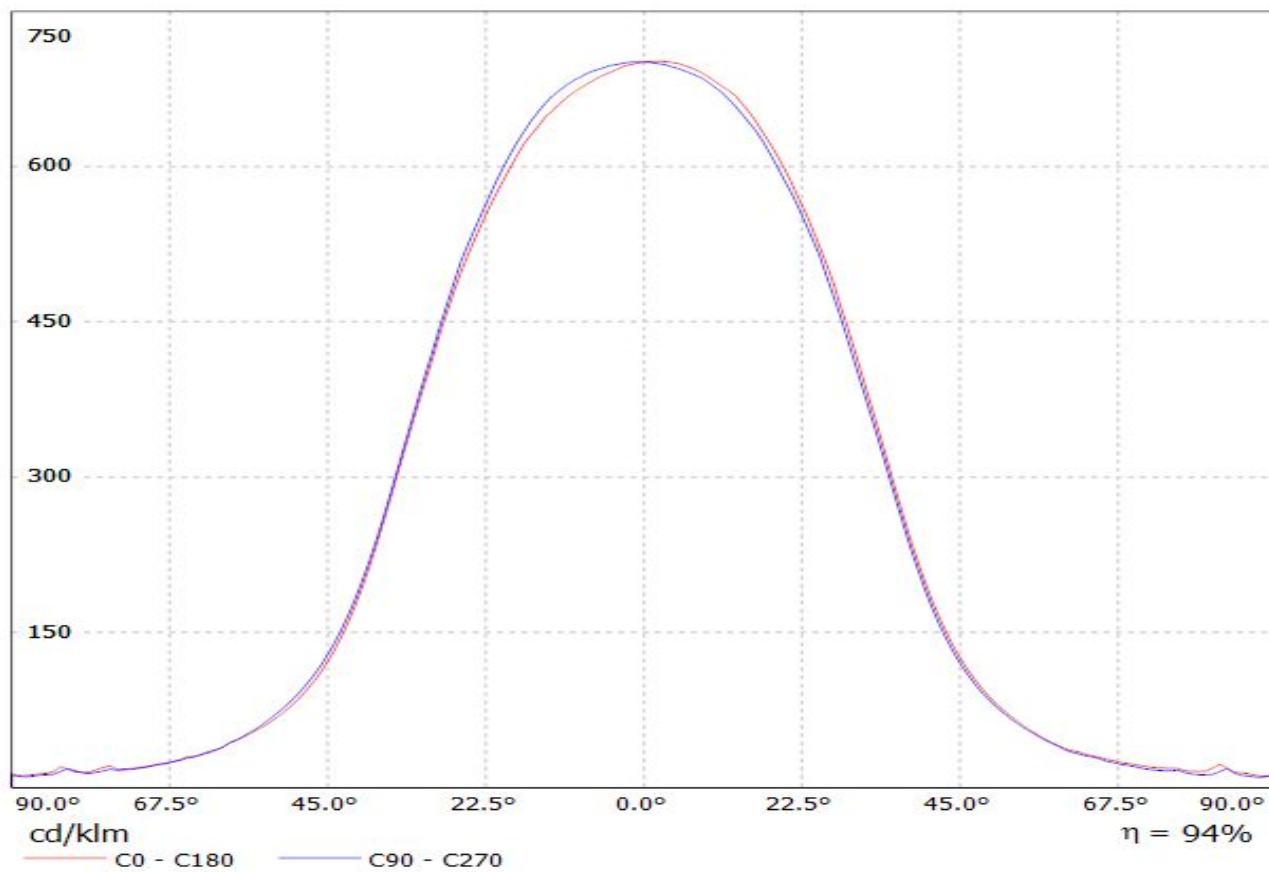


Luminaire: Ledil CS14839_2X2MX-WWW (LUXEON_XR-M)

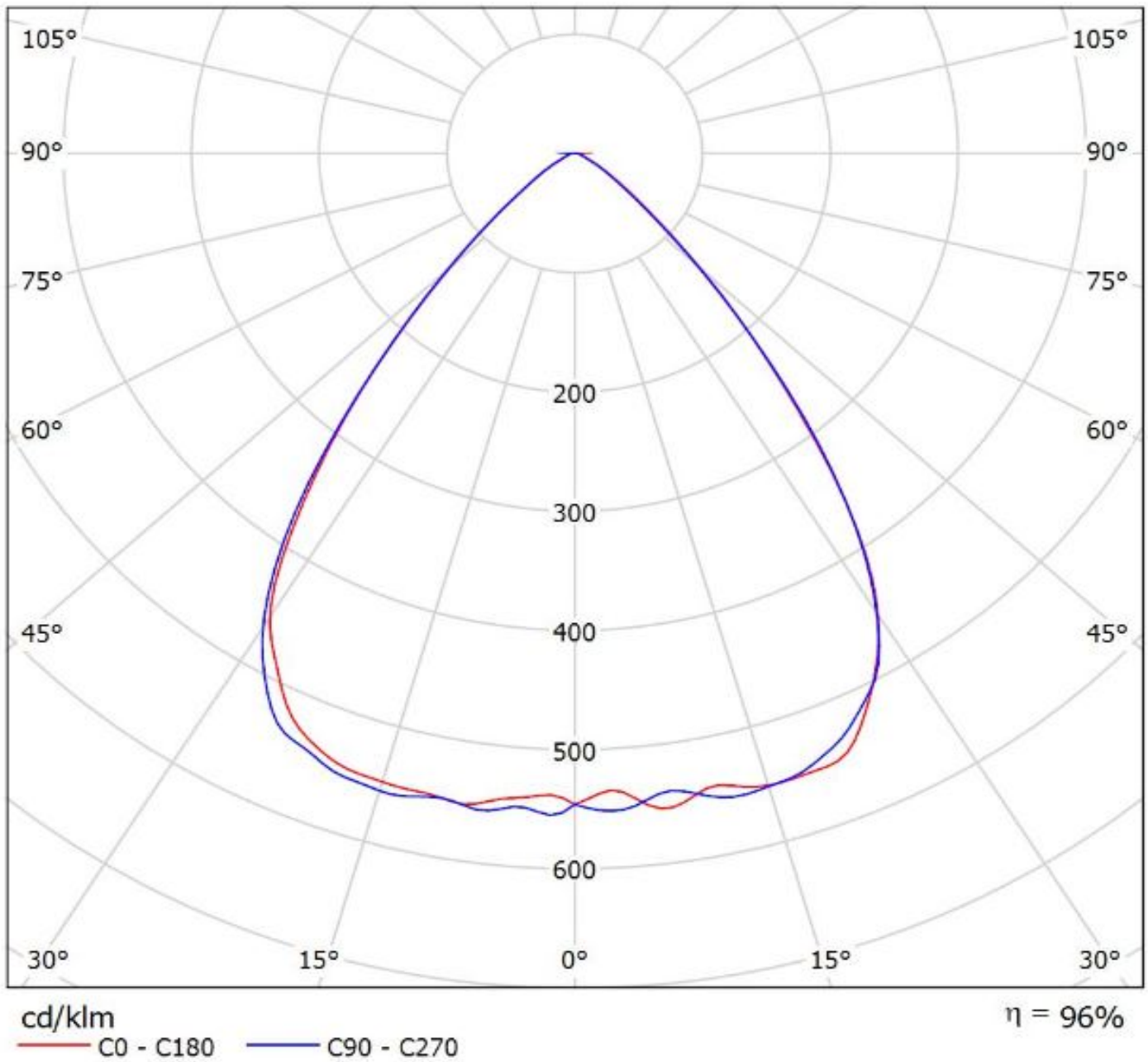
Lamps: 1 x LUXEON_XR-M_SQUARE_2X2_(L2M0-577004MC2200)_1804.92lm@250mA_P=10.9345W_I=0.25A



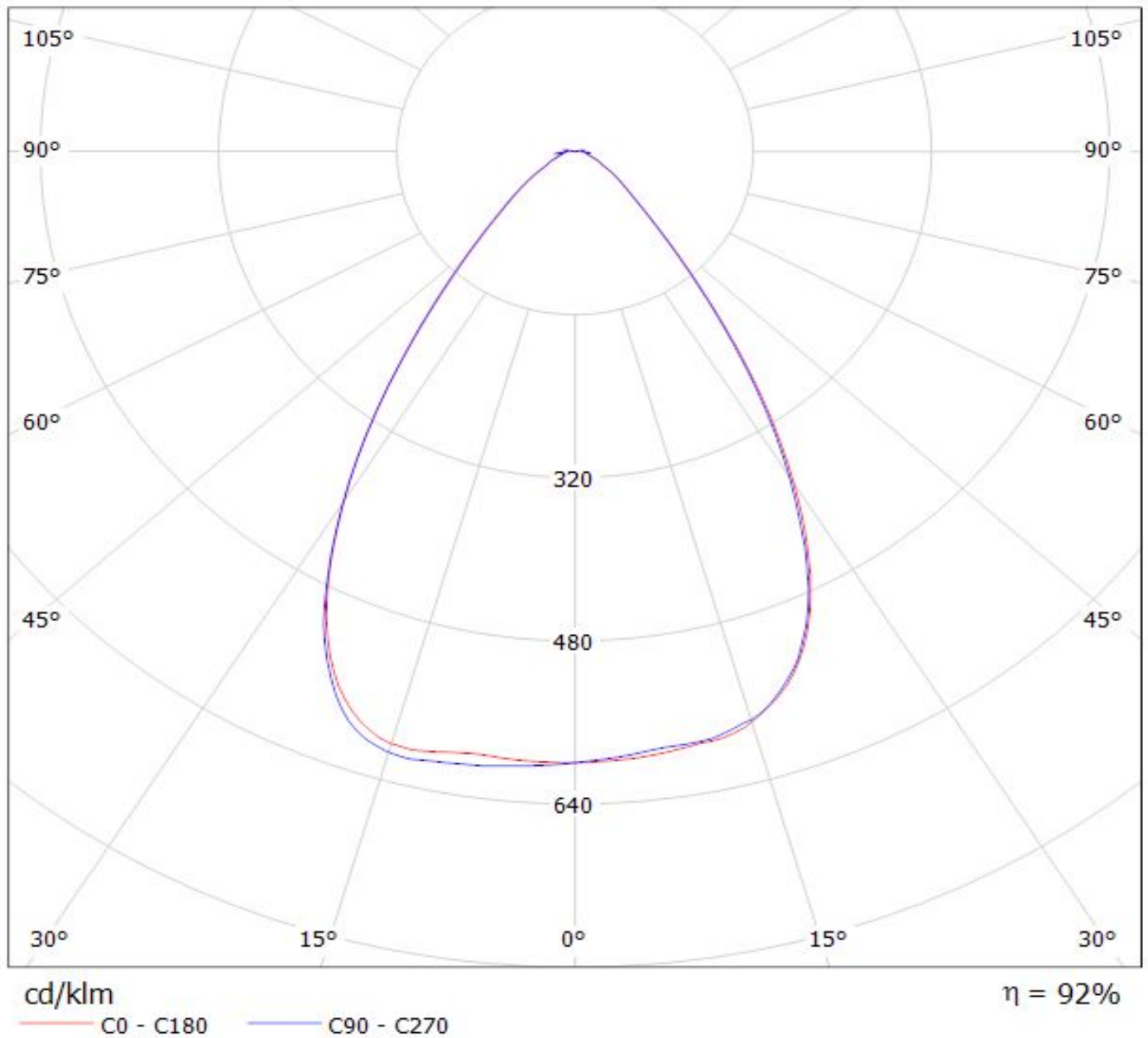
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(Duris_S10)
Lamps: 1 x Osram_Duris_S10_1454.14lm@100mA_P=10.018W_I=0.100A



Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_BRIDGELUX_SMD_5050_SIMULATED
Lamps: 1 x BRIDGELUX SMD 5050

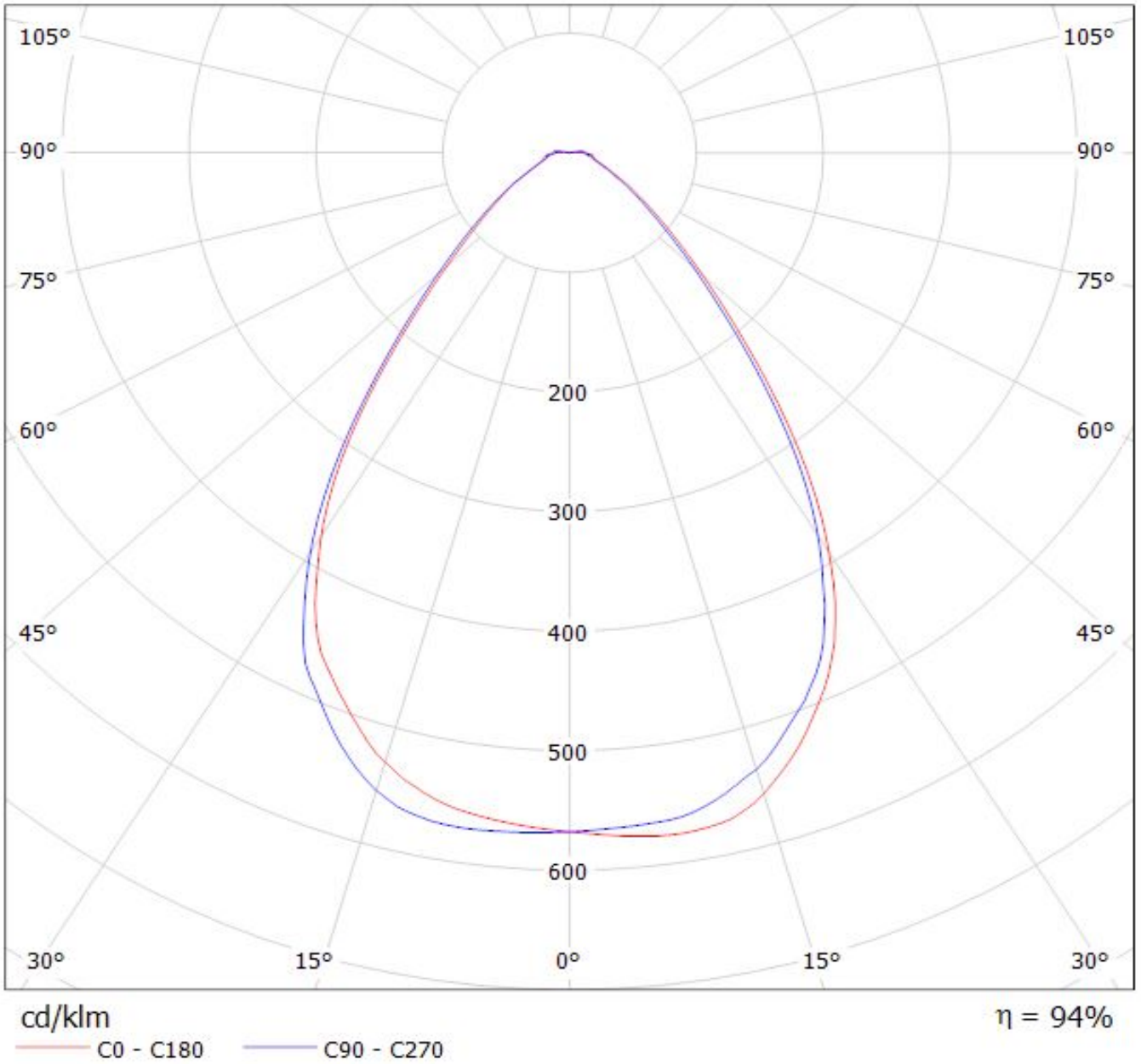


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL440)_GS
Lamps: 1 x Citizen_PSL440_1034.87lm@250mA_P=11.3823W_I=0.250A

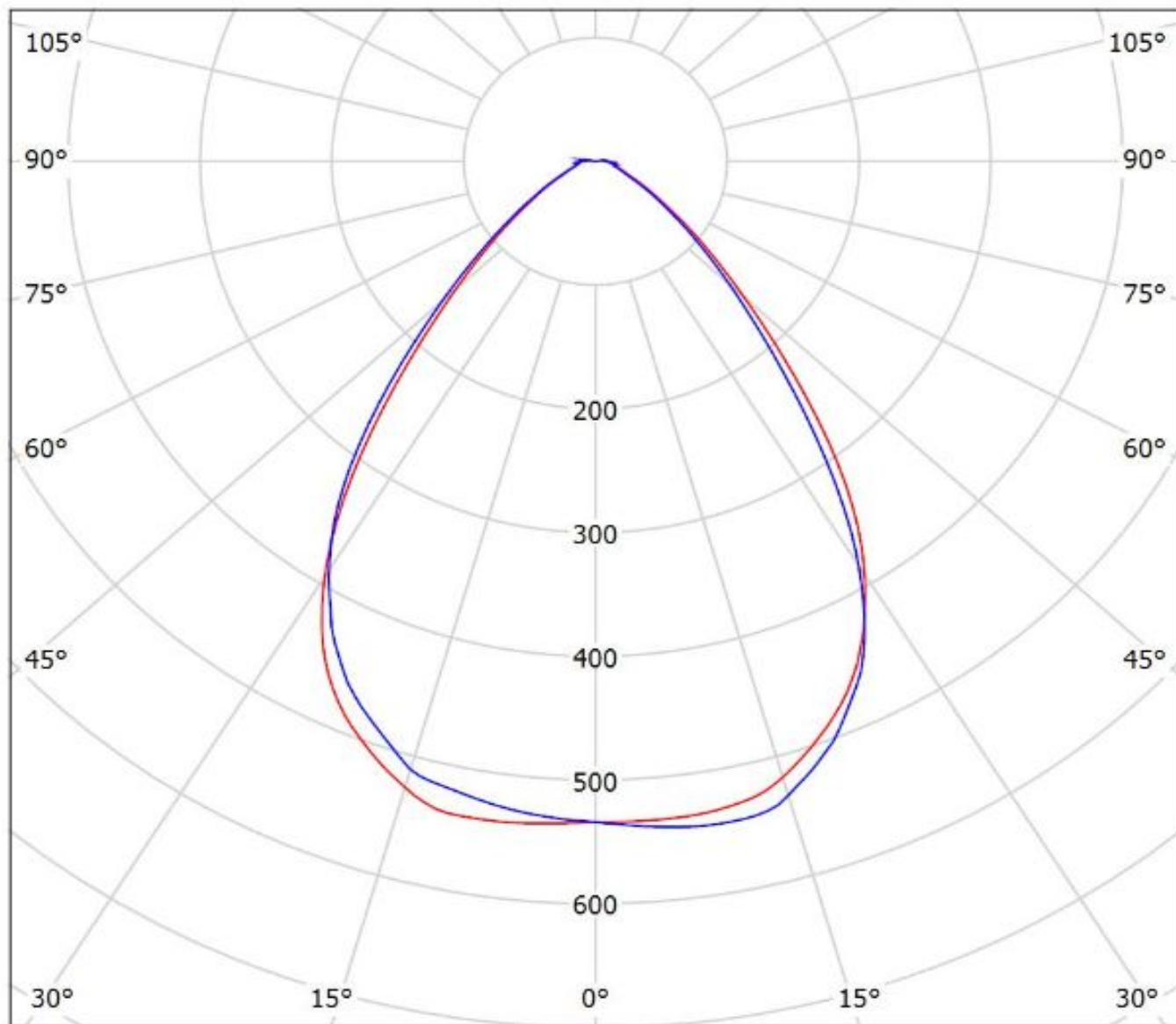


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL445)

Lamps: 1 x Citizen_PSL445_2x2_1674.9lm@250mA_P=11.1421W_I=0.250A_CCT=2700K



Luminaire: Ledil CS14839_HB-2X2MX-WWW_(XHP70)
Lamps: 1 x Cree_XHP70-2x2_Mx_1522.16lm@250mA_P=11.084W_I=0.25A

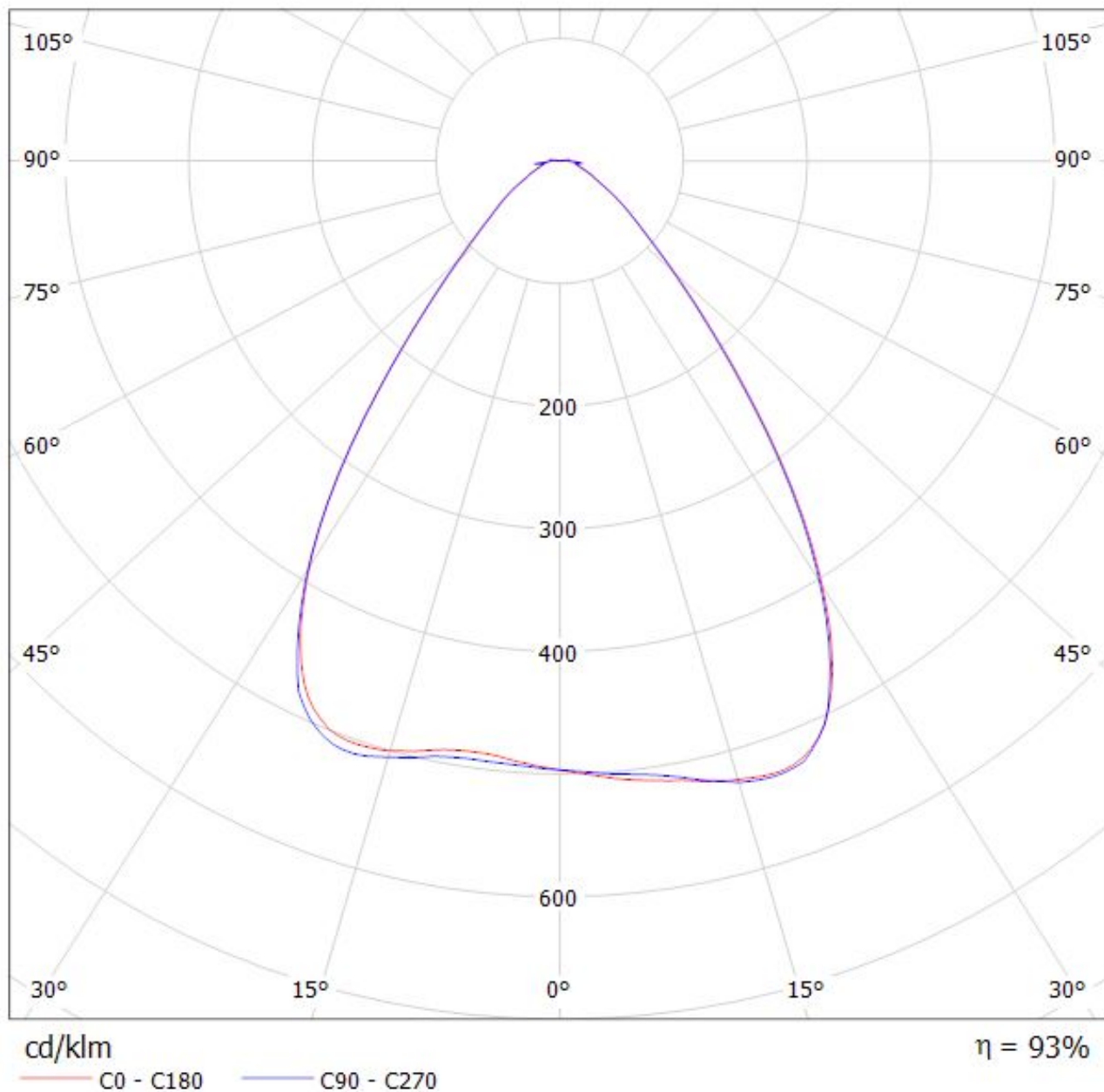


$\eta = 93\%$

cd/klm
— C0 - C180 — C90 - C270

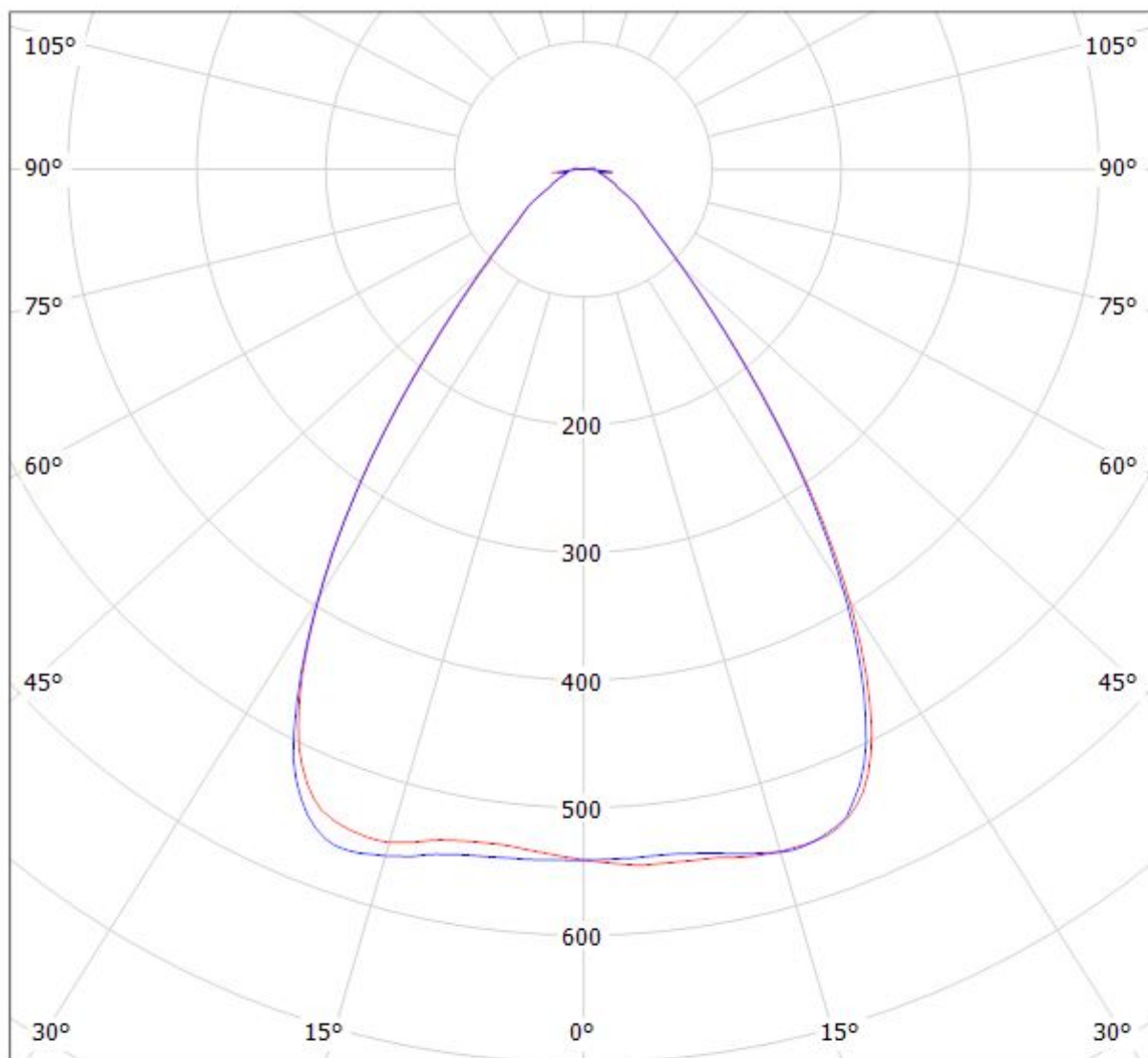
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HD)

Lamps: 1 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1728.98lm@250mA_P=11.3112W_I=0.250A



Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HI)

Lamps: 1 x Cree_XHP35_HI_(XHP35A-H-5C0-D40-D0-B-01)_1615.75lm@250mA_CCT=4000K_P=11.4373W_I=0.250A



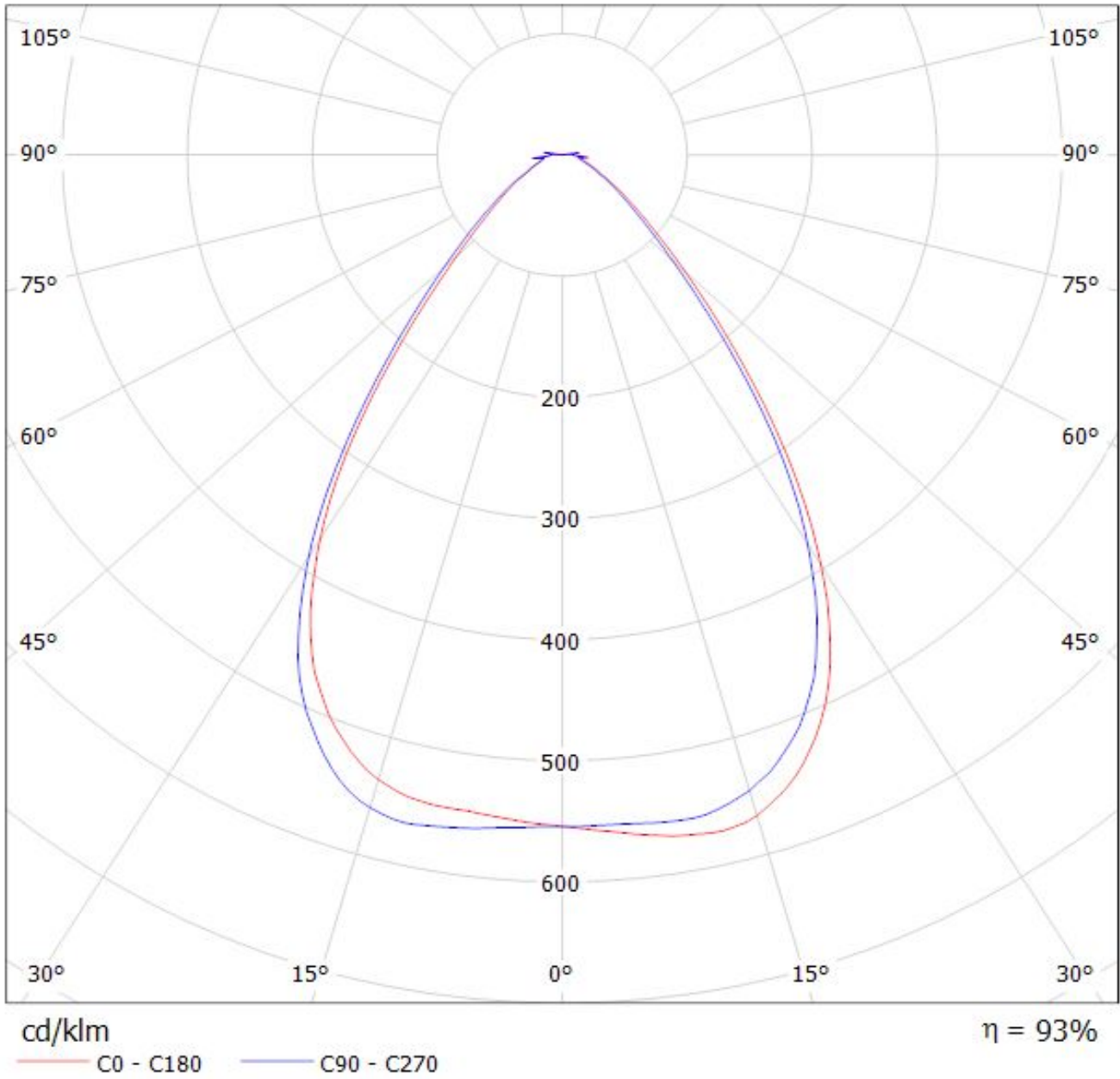
$\eta = 93\%$

cd/klm

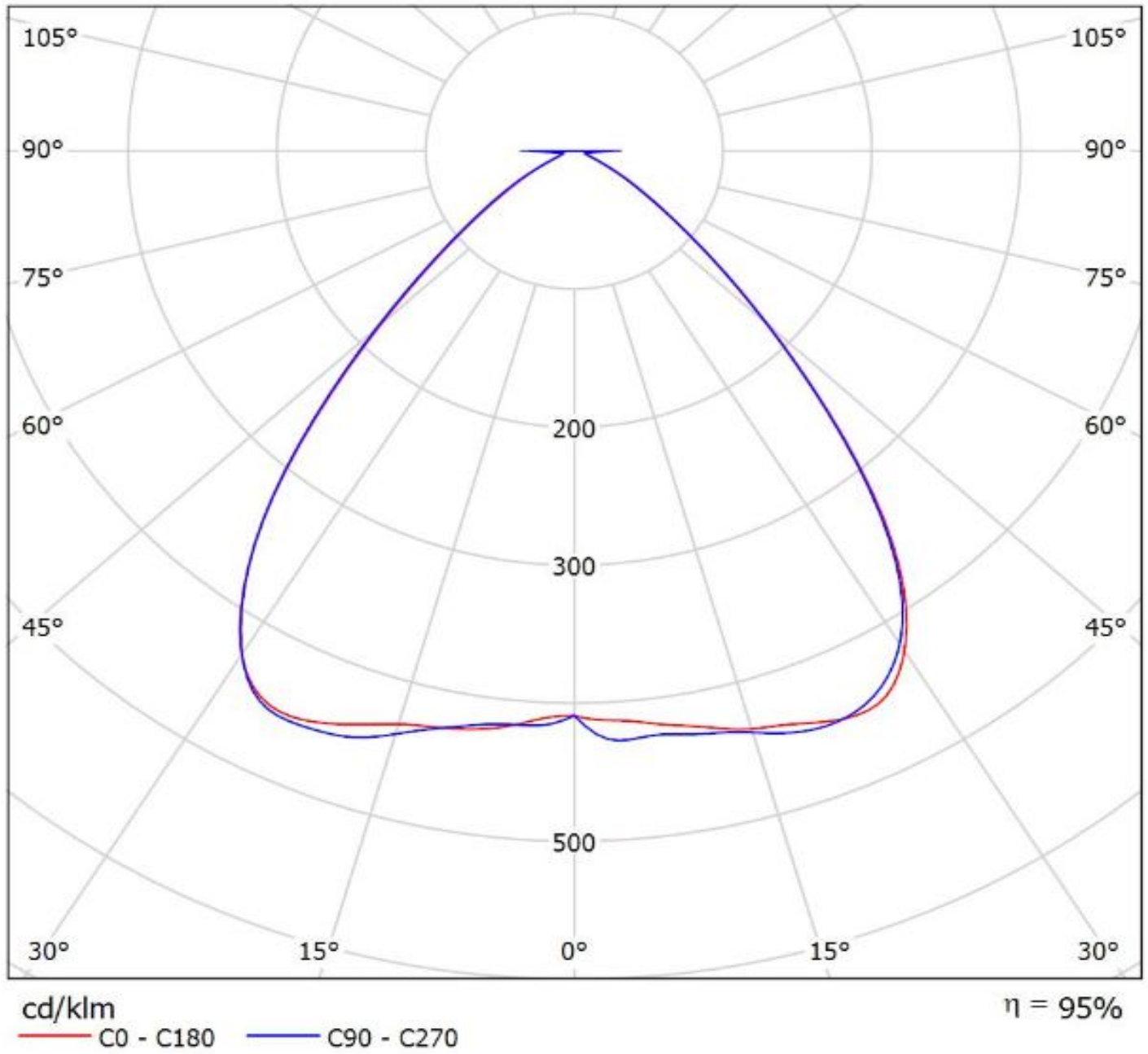
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWWW_(XHP50)

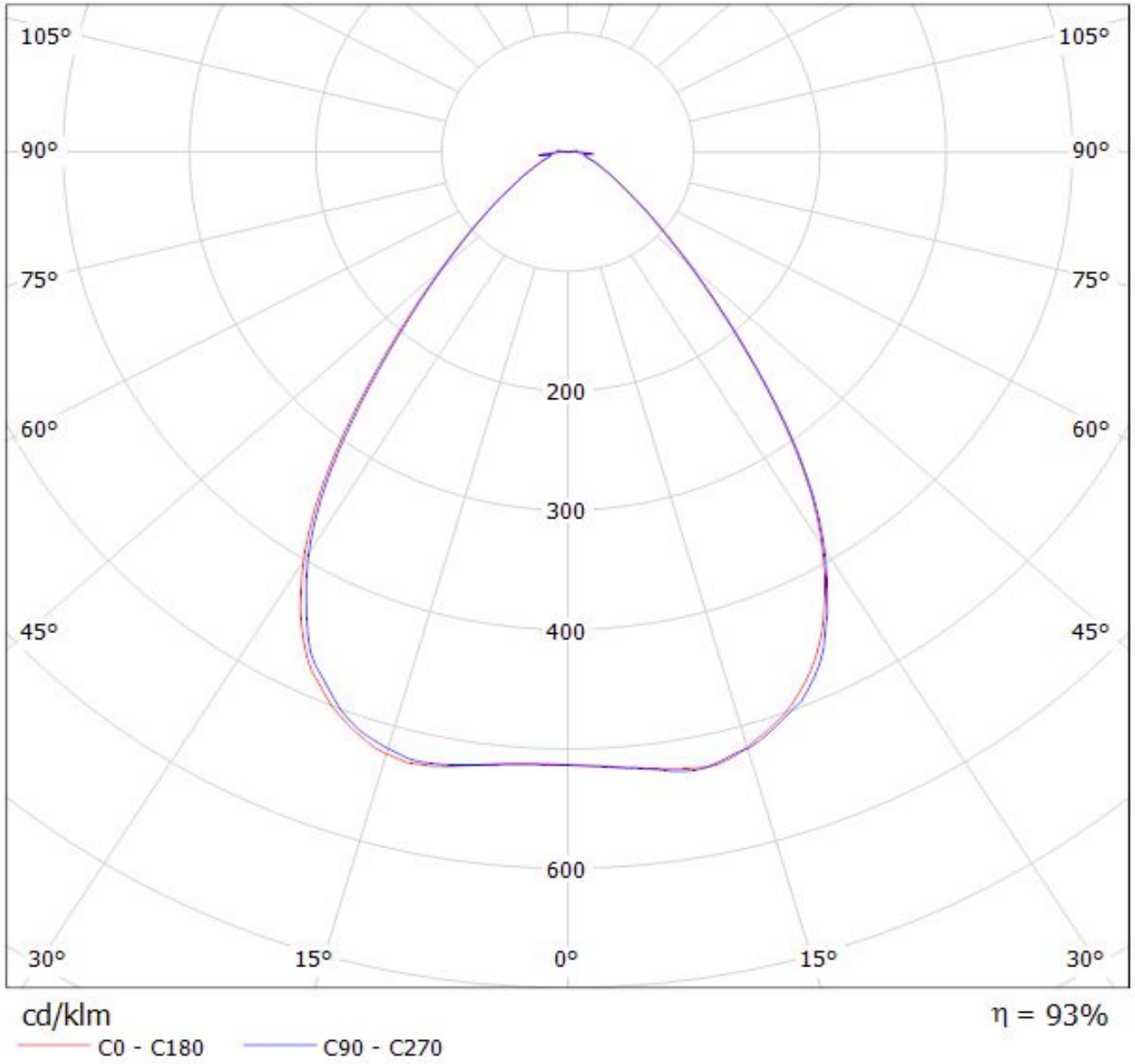
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1815.51lm@250mA_P=11.4658W_I=0.250A



Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_(XHP50_2)_SIMULATED
Lamps: 1 x Cree XHP50.2

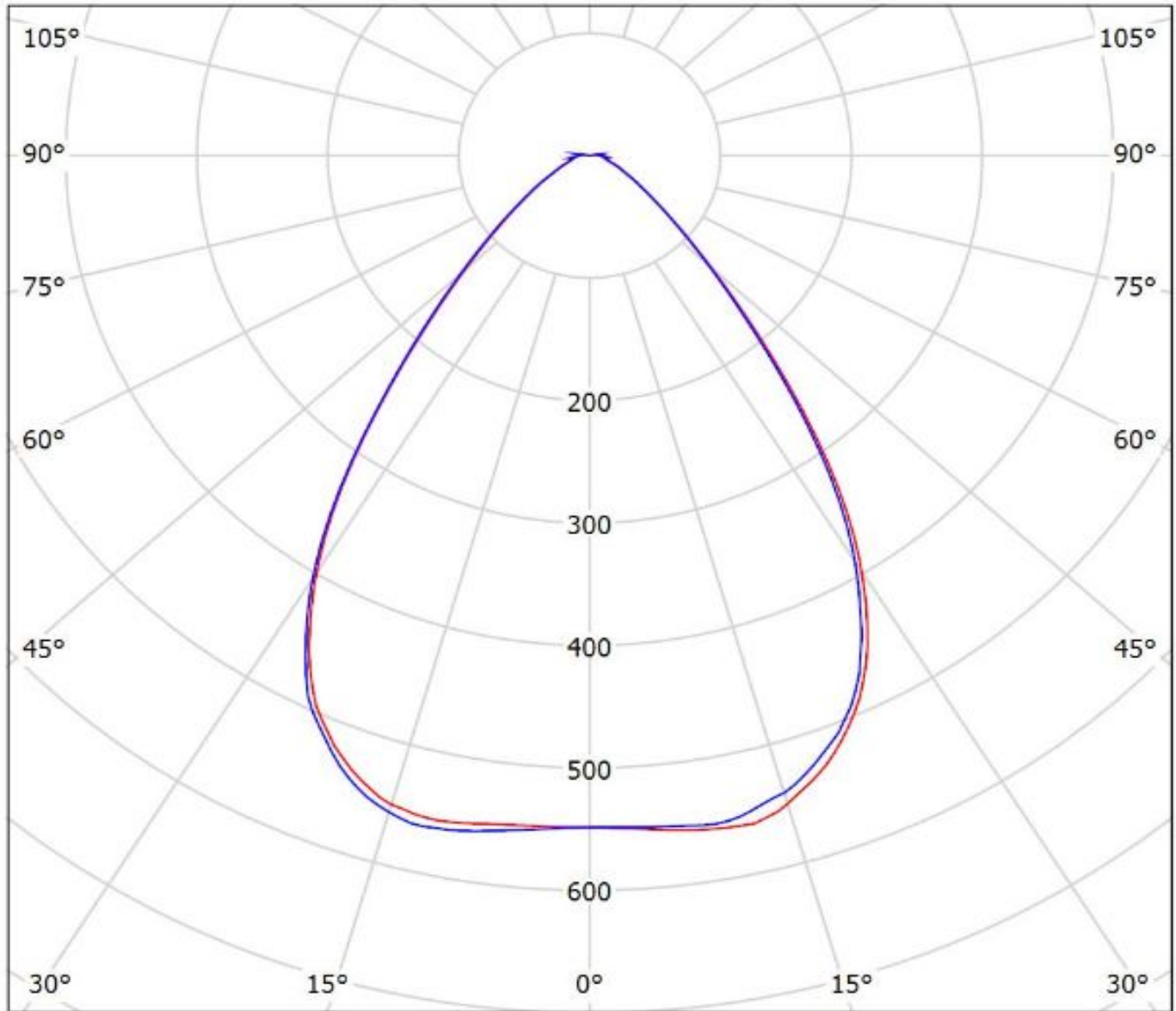


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(H70E0)
Lamps: 1 x LG_H70E0_1790.78lm@250mA_P=11.2987W_I=0.250A



Luminaire: Ledil CS14839_HB-2X2MX-WWW_(LUXEON_M)

Lamps: 1 x LUXEON_M_2X2_(LXM8-SW30)_1445.21lm@250mA_P=11.117W_I=0.25A



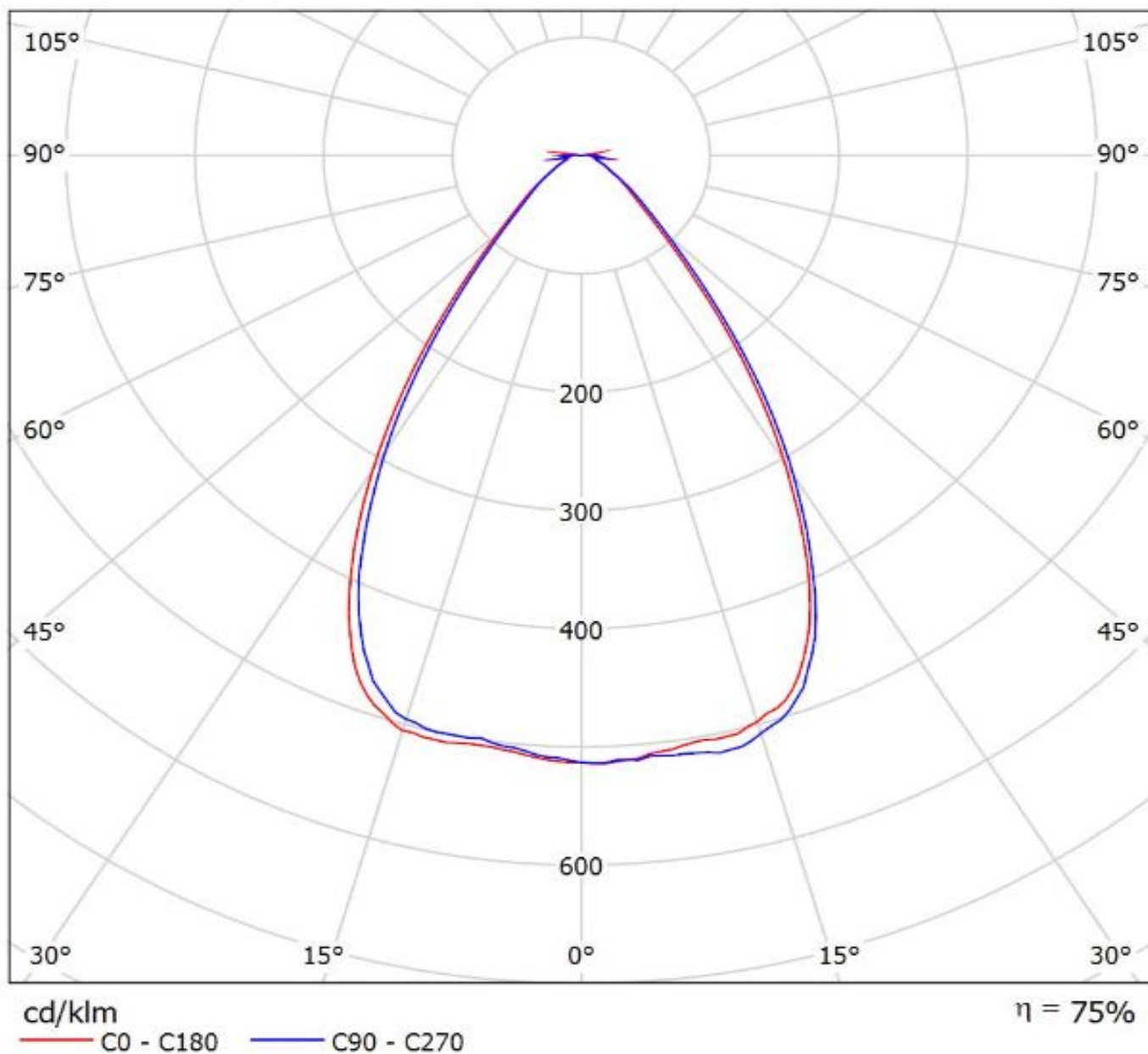
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

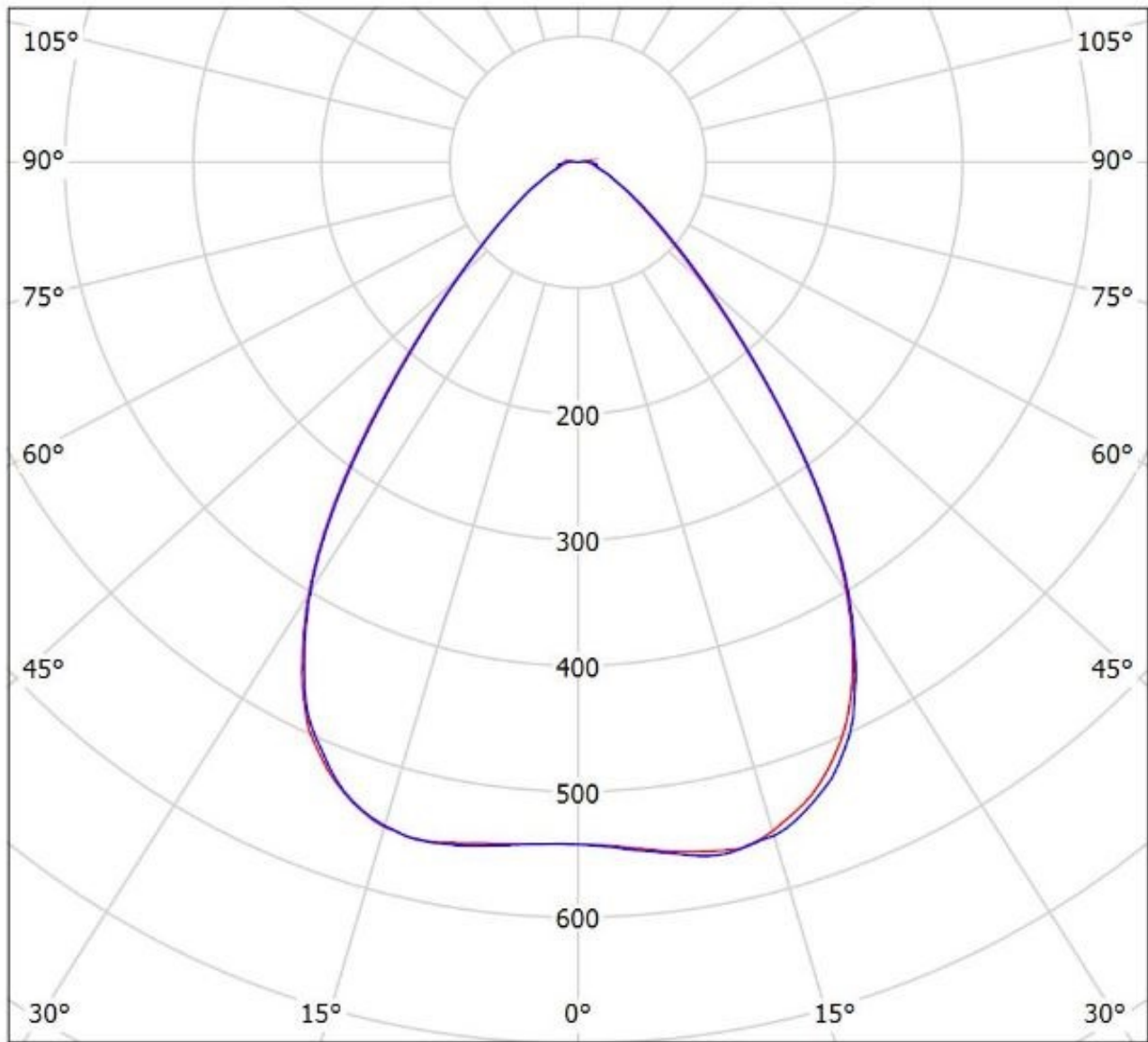
Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_MZ)

Lamps: 1 x LUXEON_MZ_2X2_(LMZ9-SW30)_1377.64lm@250mA_CCT=3000K_P=11.05W_I=0.25A



Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_XR-M)

Lamps: 1 x LUXEON_XR-M_SQUARE_2X2_(L2M0-577004MC2200)_1804.92lm@250mA_P=10.9345W_I=0.25A



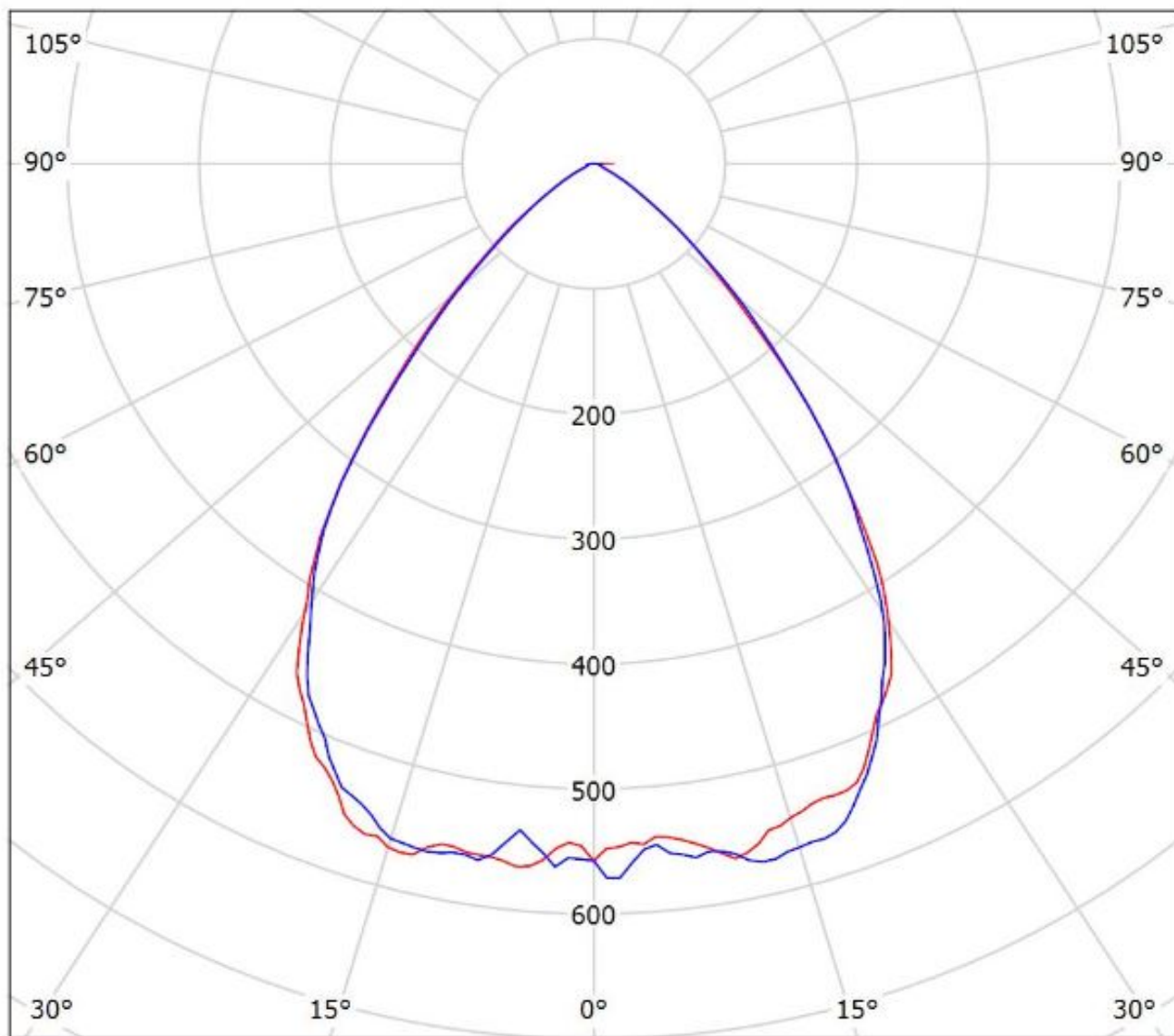
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_NFMW488AR_SIMULATED
Lamps: 1 x NICHIA NFMW488AR

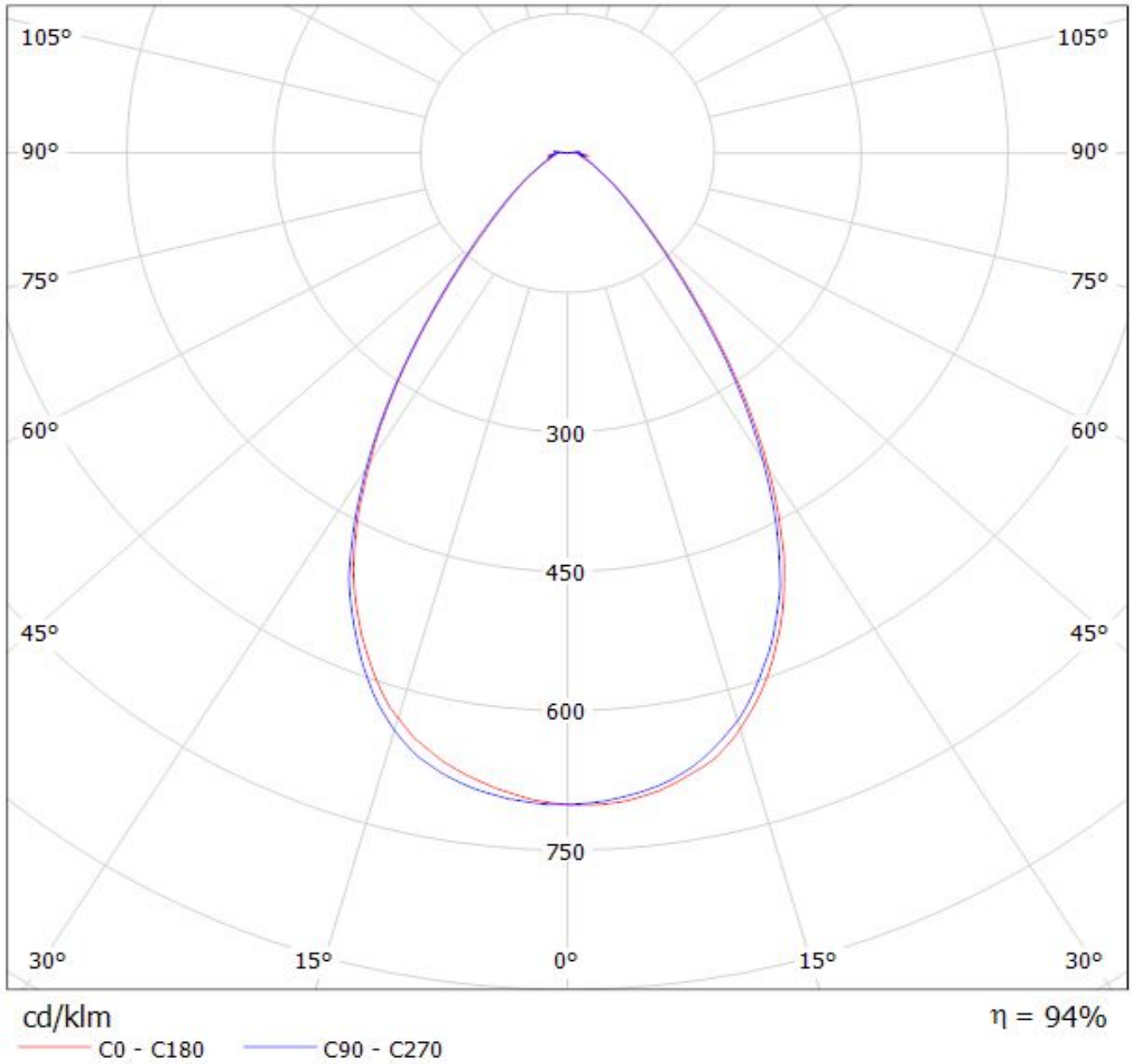


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(Duris_S10)
Lamps: 1 x Osram_Duris_S10_1454.14lm@100mA_P=10.018W_I=0.100A



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.