

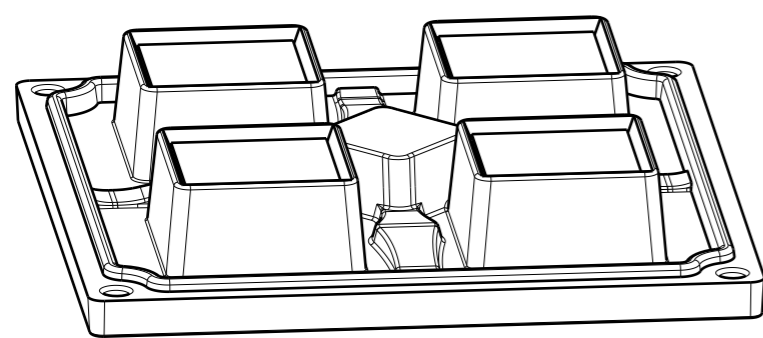
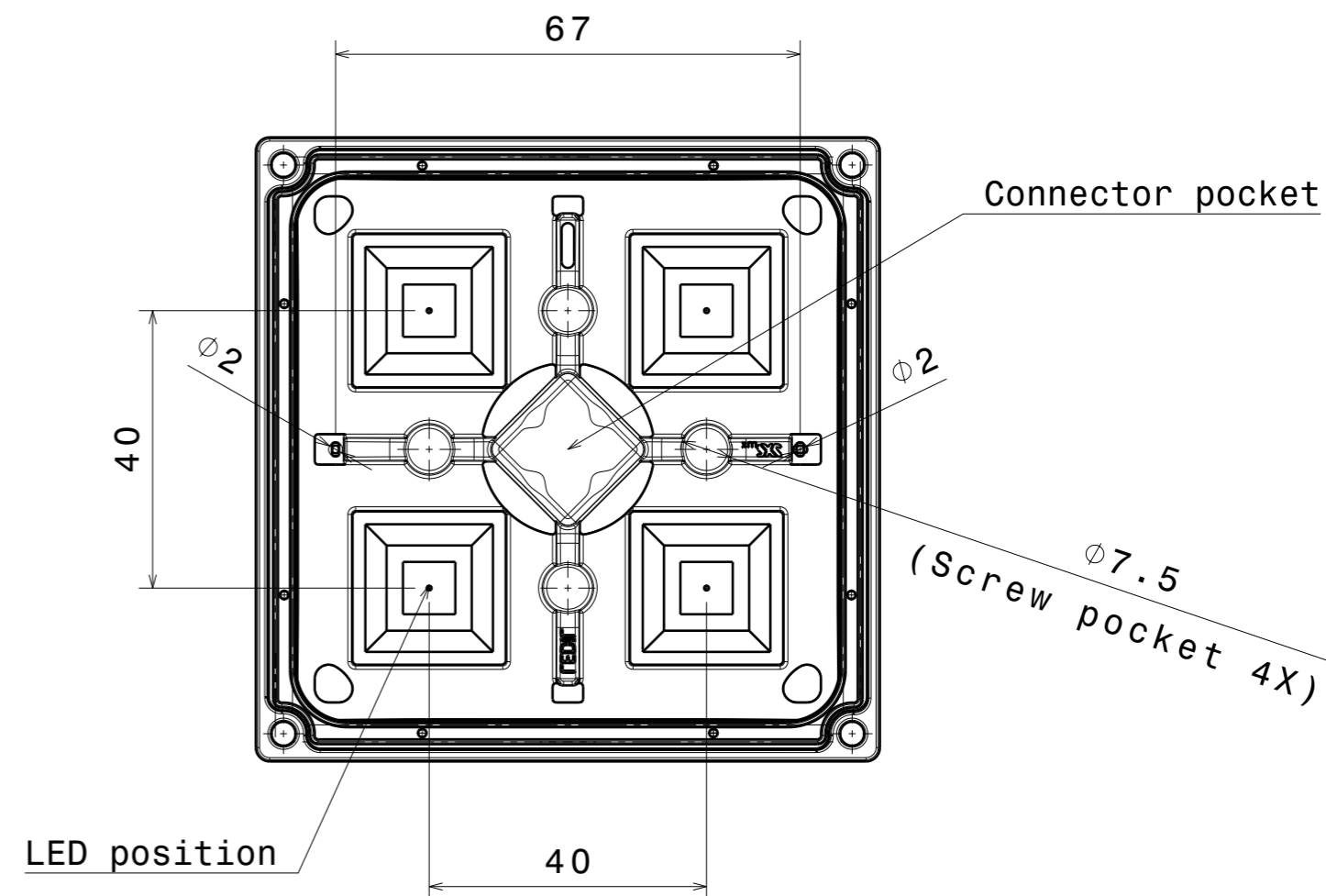
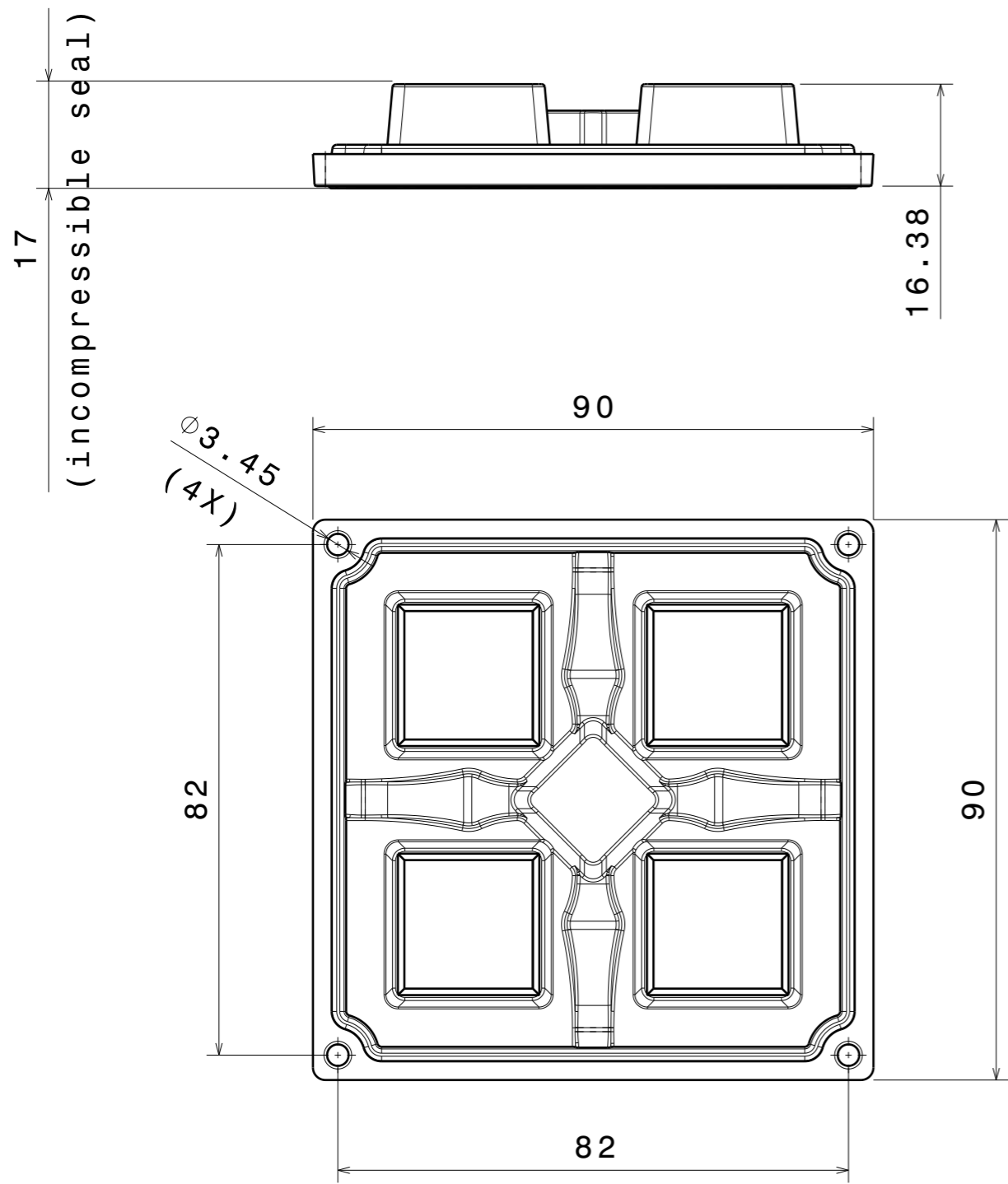
DETAILS

Product Number	CS14839_HB-2X2MX-WWW
Family	HB
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	21/04/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
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	-
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	-
Duris P10	sim: 78	WWW-class	sim: 92 %	sim: 0.572	-
Duris S10	66 deg	WWW-class	94 %	0.700	-



Isometric view (1:1)

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14631	STRADA-2X2MX-SEAL	silicone	
2	C14832	HB-2X2MX-WWW	PMMA	

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:

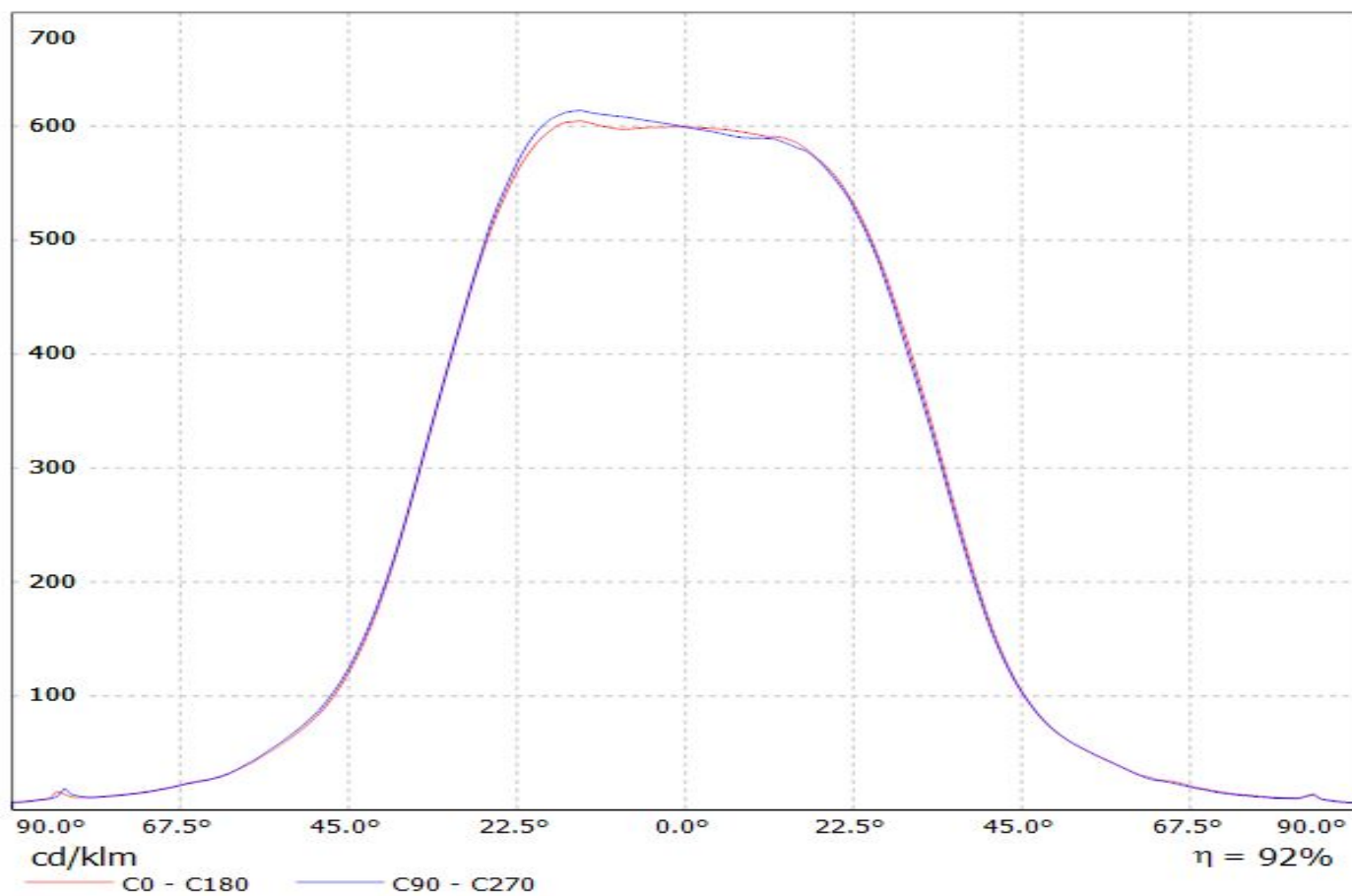
DRAWING TITLE
CS14839_HB-2X2MX-WWW

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SIZE	PART NUMBER
A3	CS14839

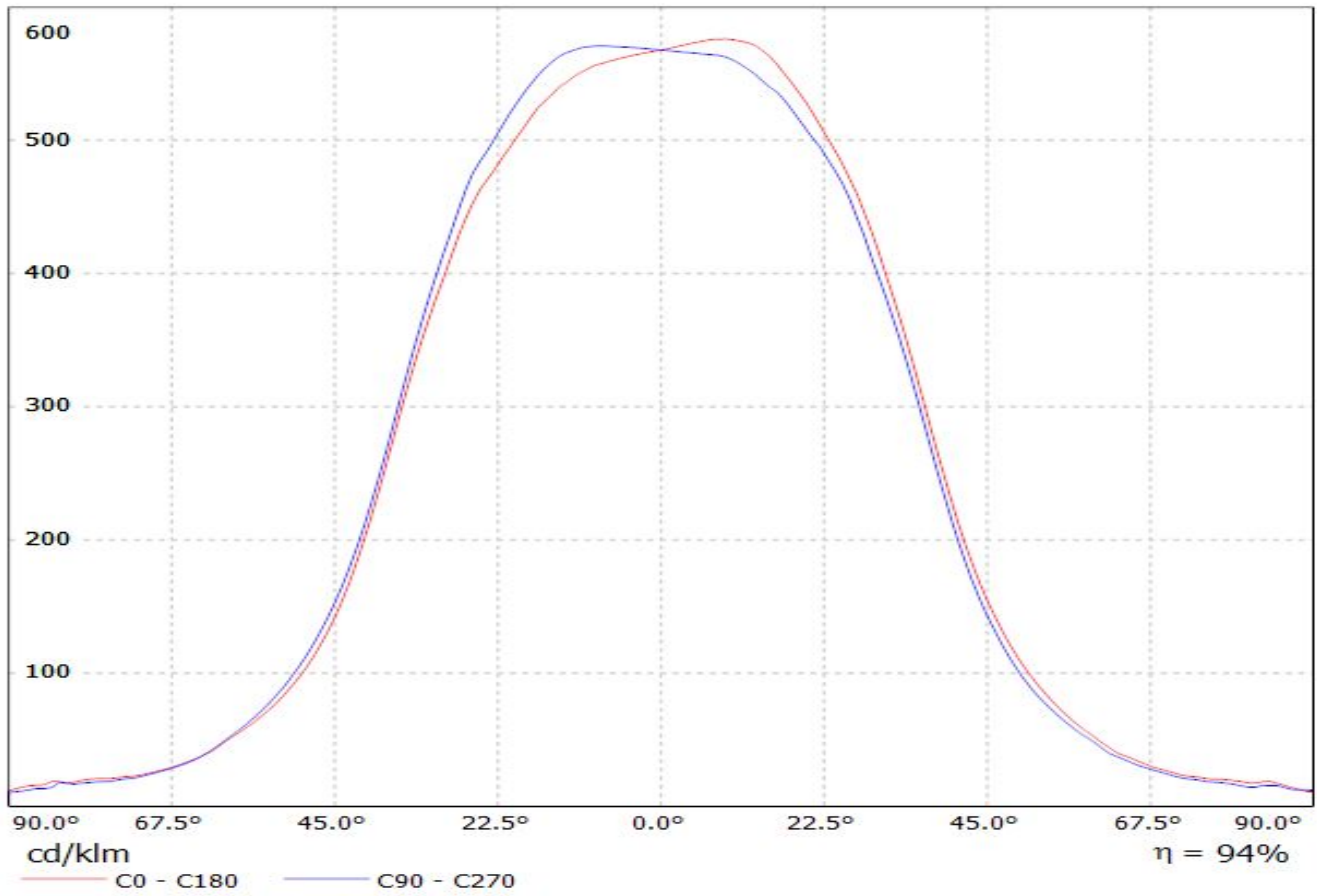
SCALE	1:1	WEIGHT	46.9 g	SHEET	1/1
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Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL440)_GS
Lamps: 1 x Citizen_PSL440_1034.87lm@250mA_P=11.3823W_I=0.250A

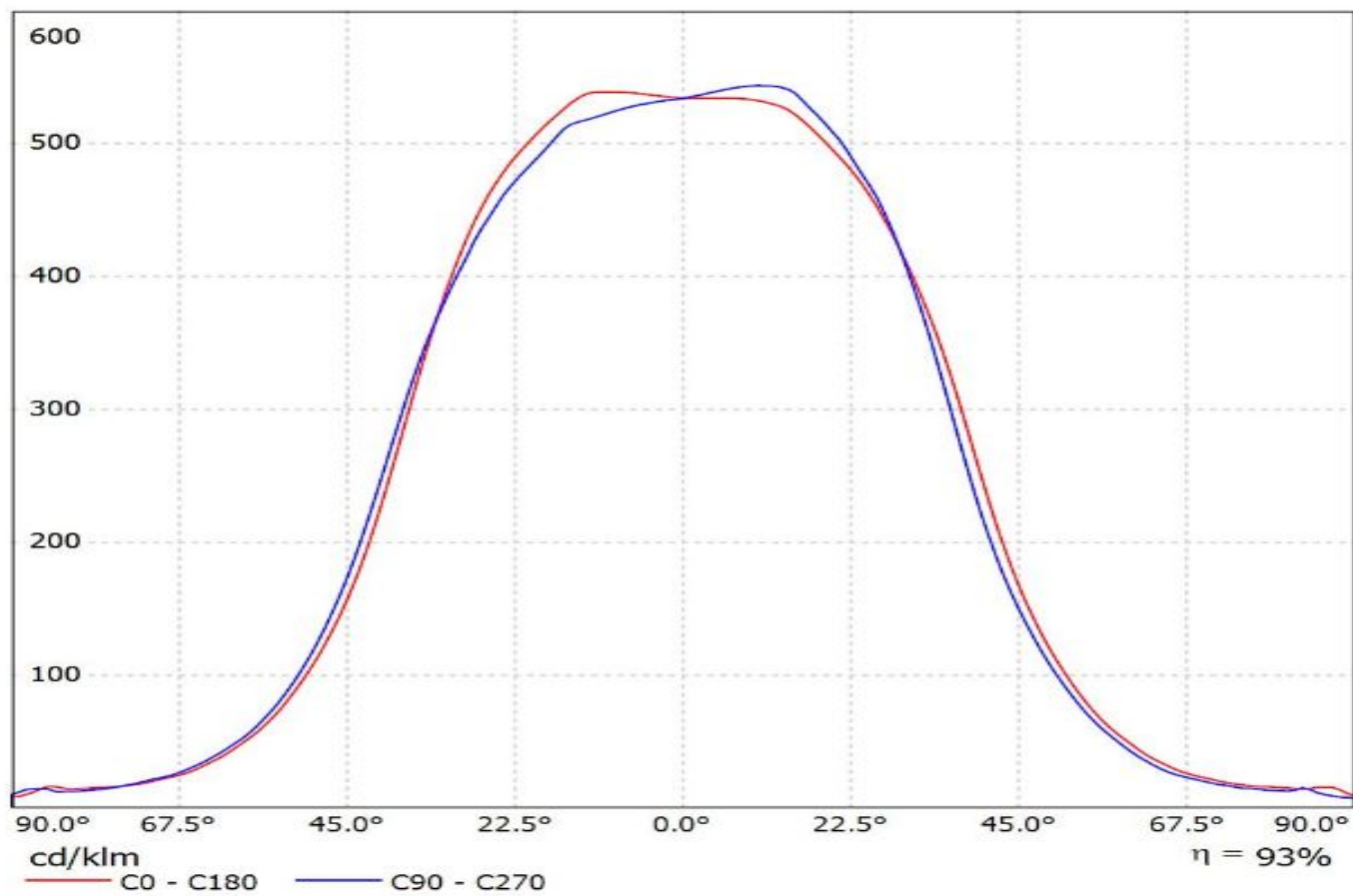


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL445)

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

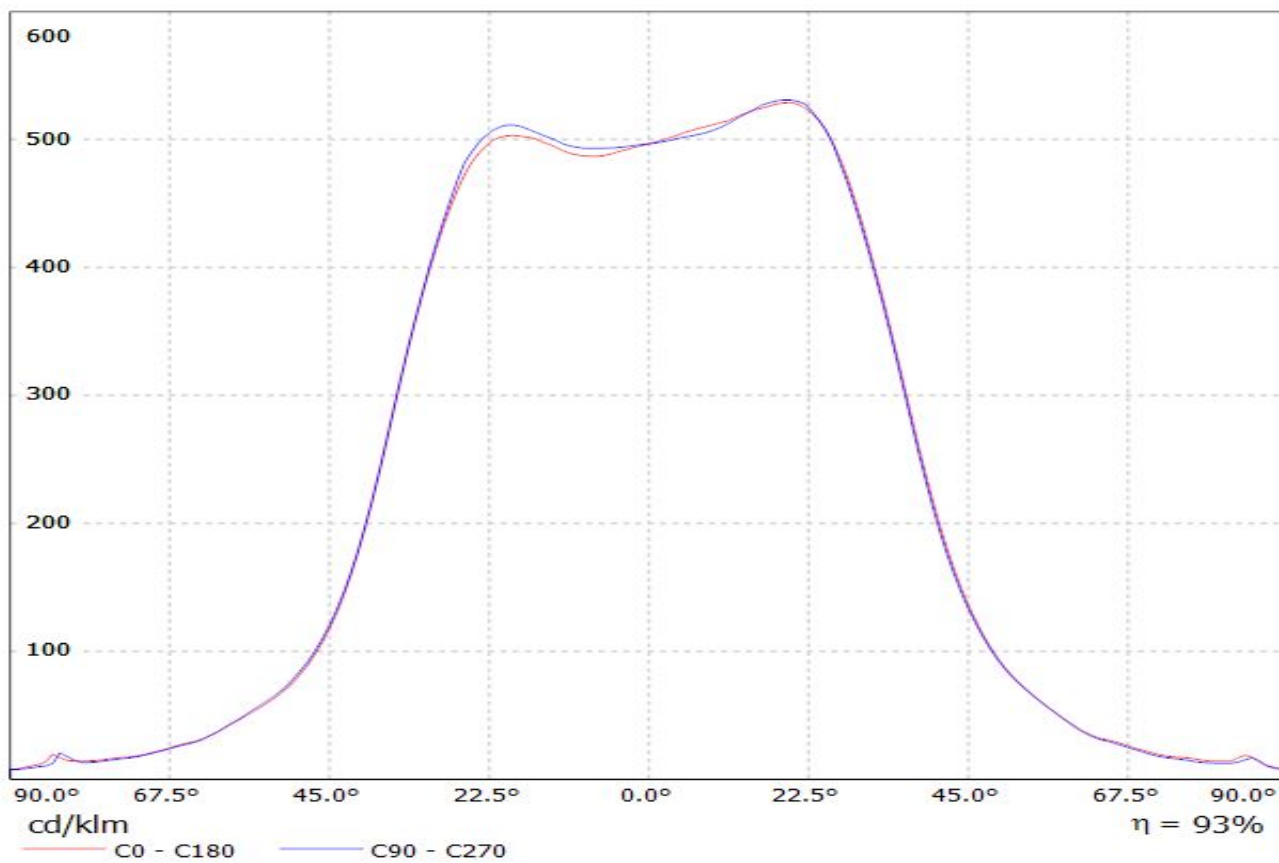


Luminaire: Ledil CS14839_HB-2X2MX-WWW_(XHP70)
Lamps: 1 x Cree_XHP70-2x2_Mx_1522.16lm@250mA_P=11.084W_I=0.25A



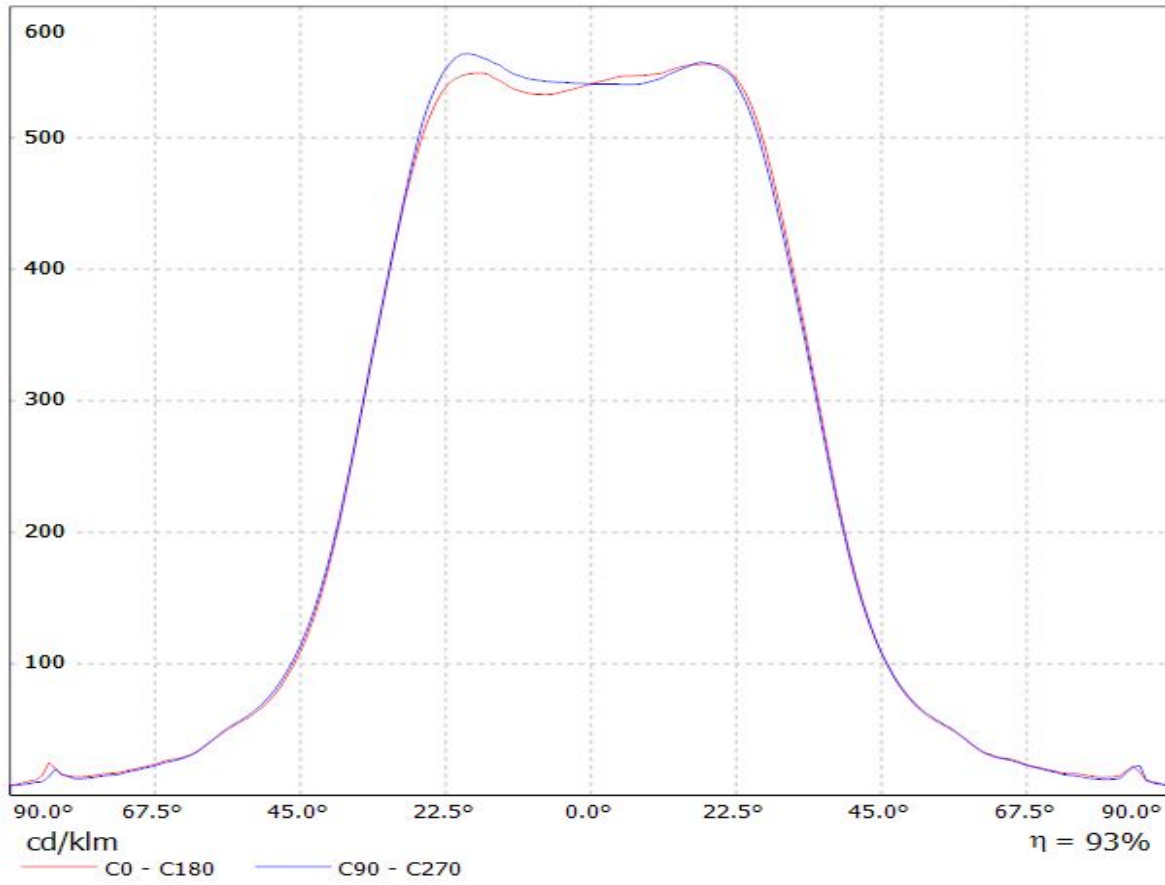
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HD)

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



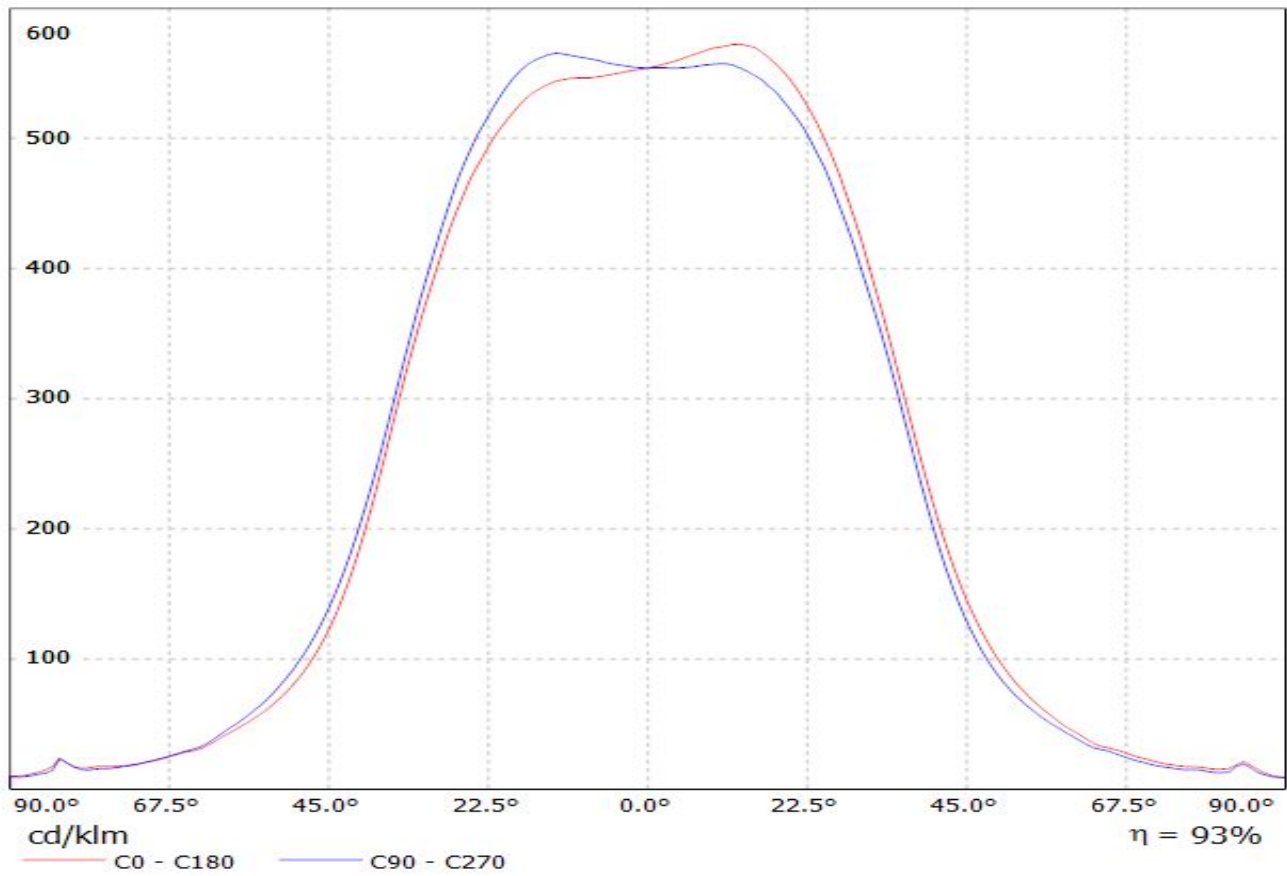
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HI)

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

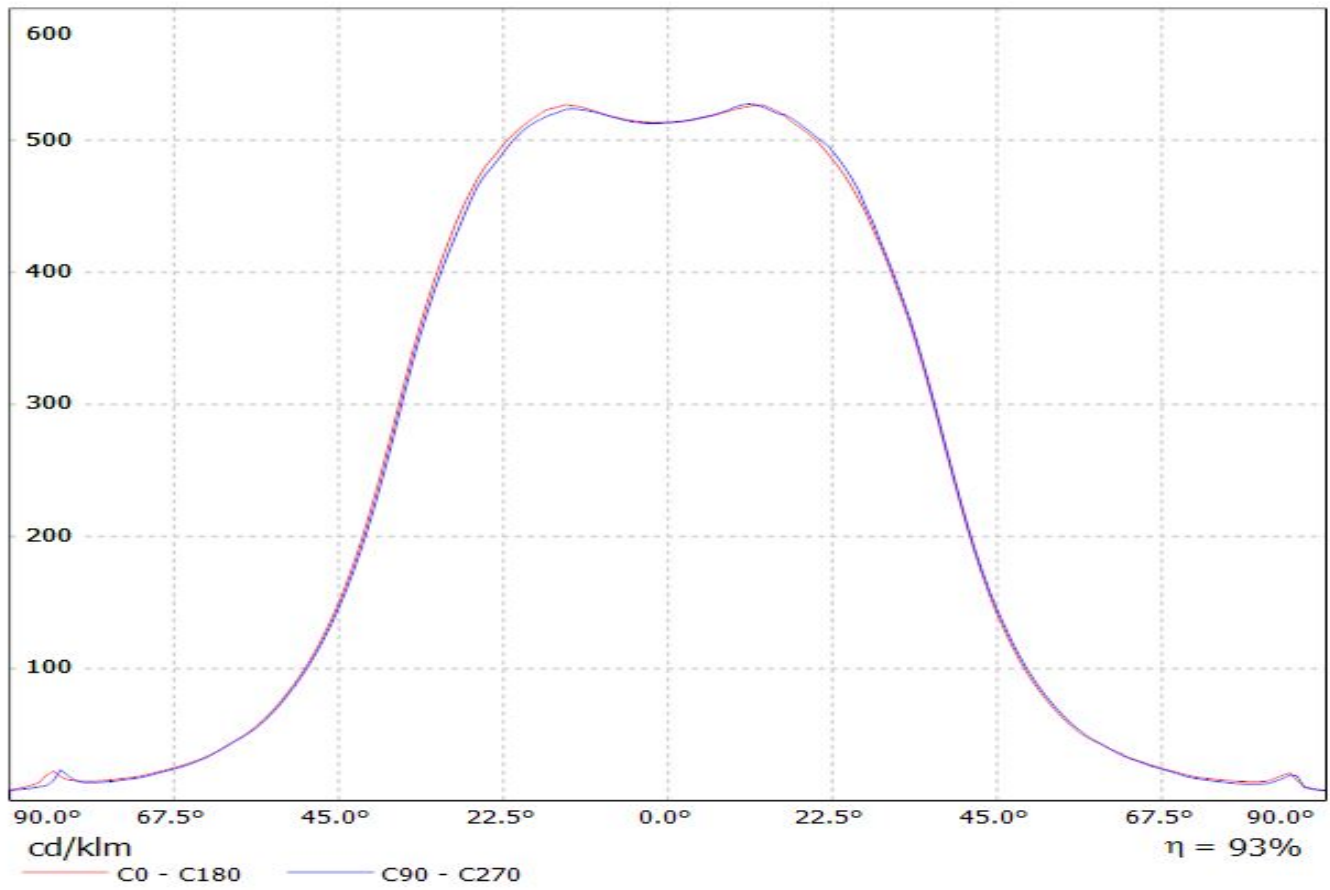


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWWW_(XHP50)

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

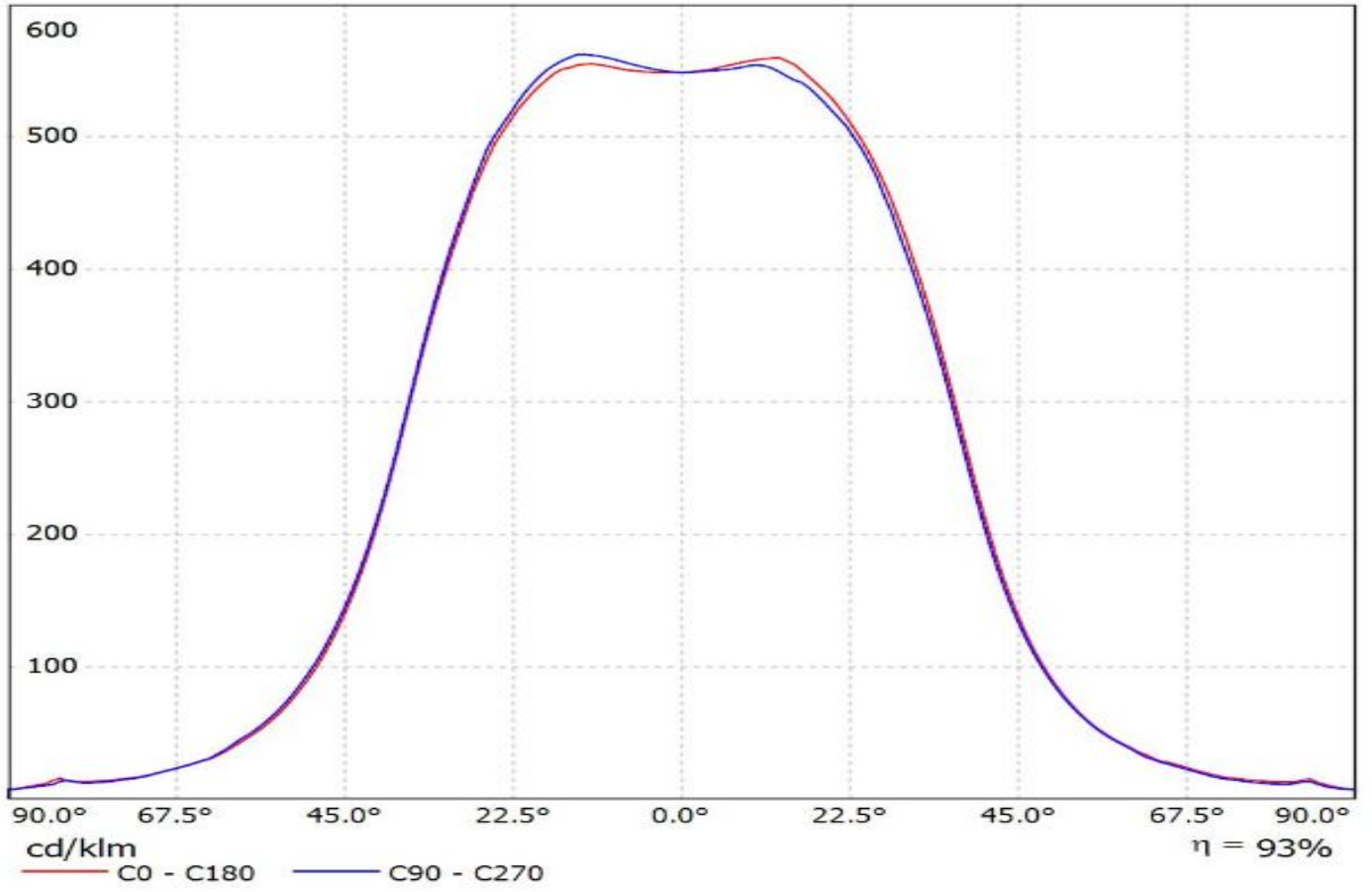


Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(H70E0)
Lamps: 1 x LG_H70E0_1790.78lm@250mA_P=11.2987W_I=0.250A



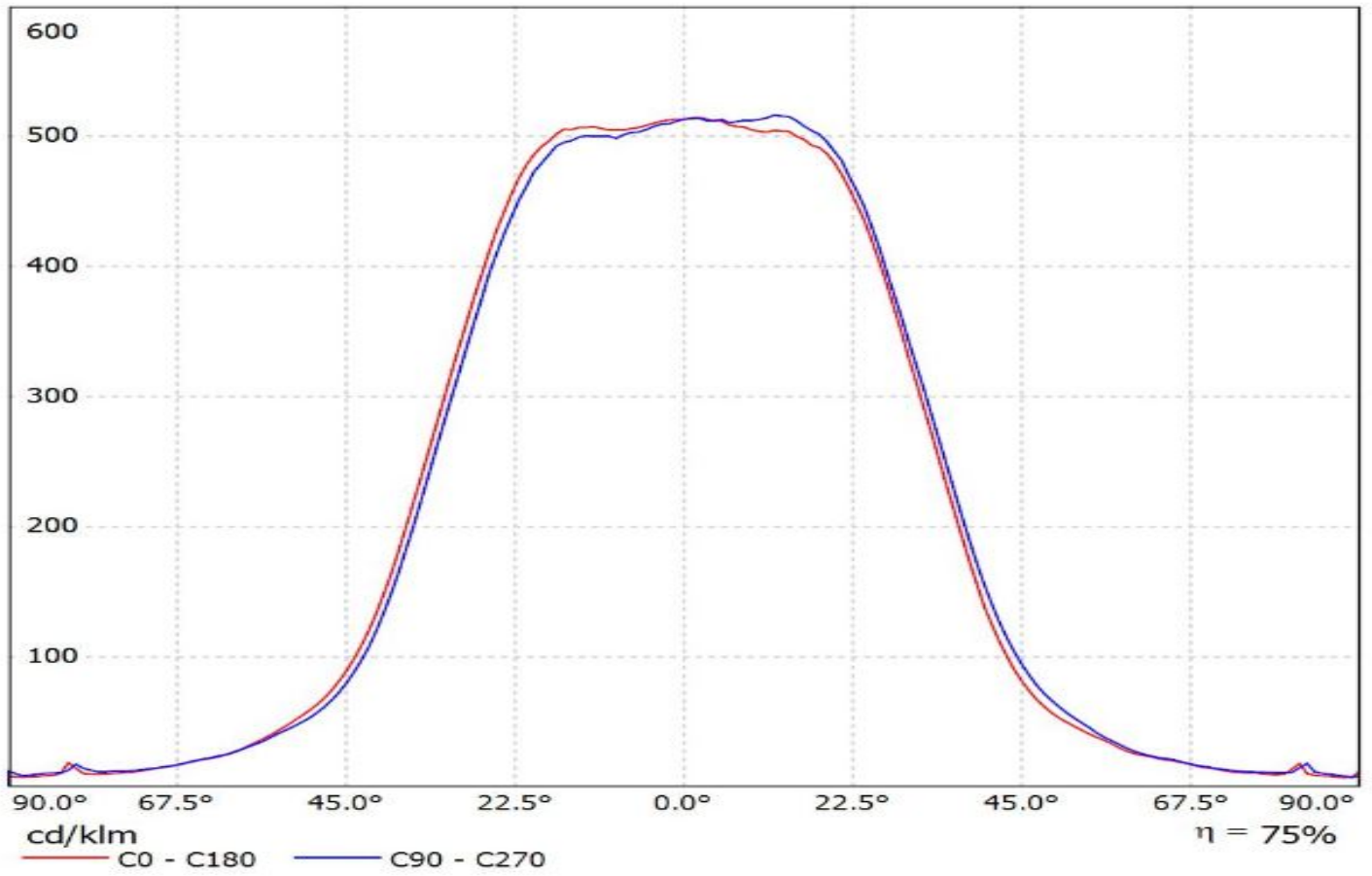
Luminaire: Ledil CS14839_HB-2X2MX-WWW_(LUXEON_M)

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



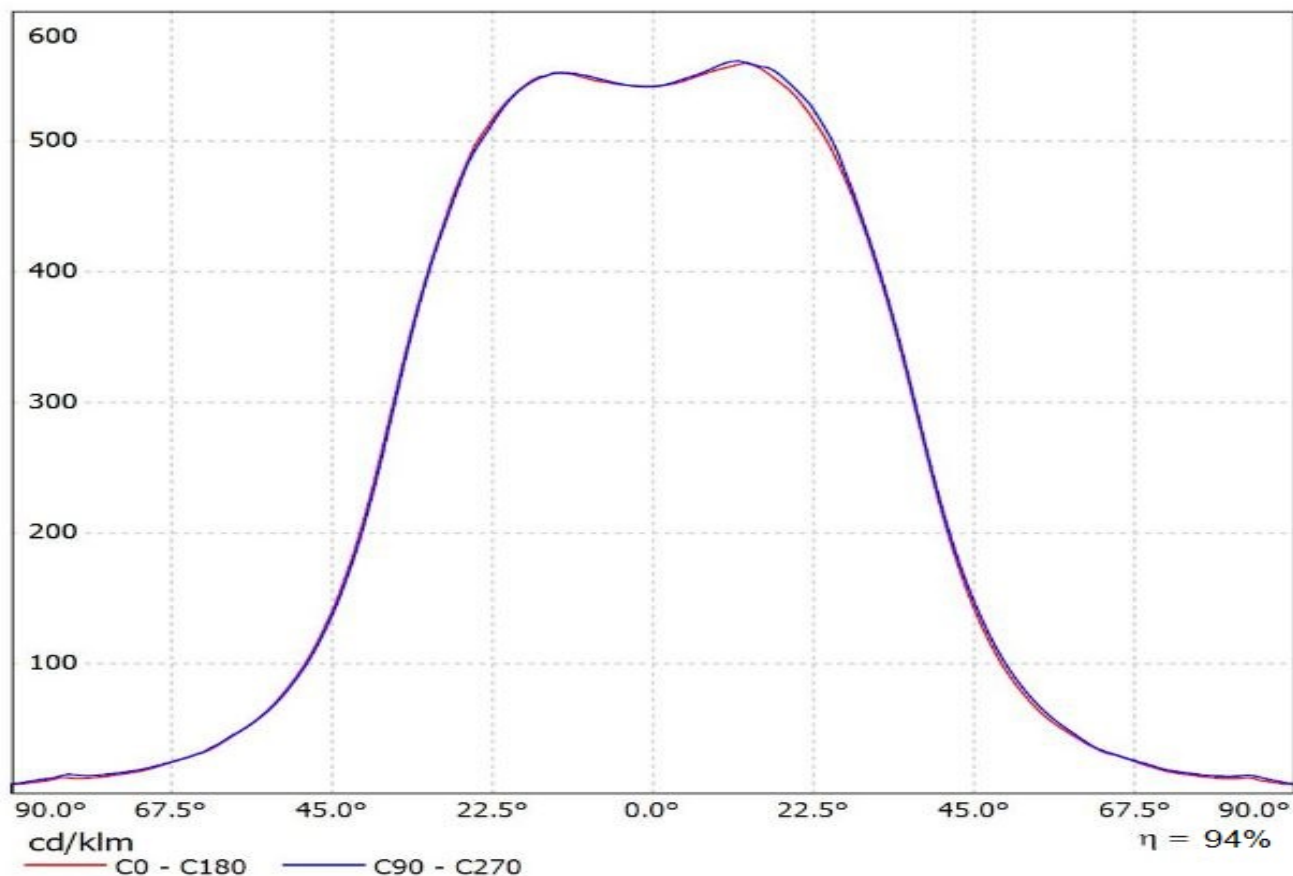
Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_MZ)

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

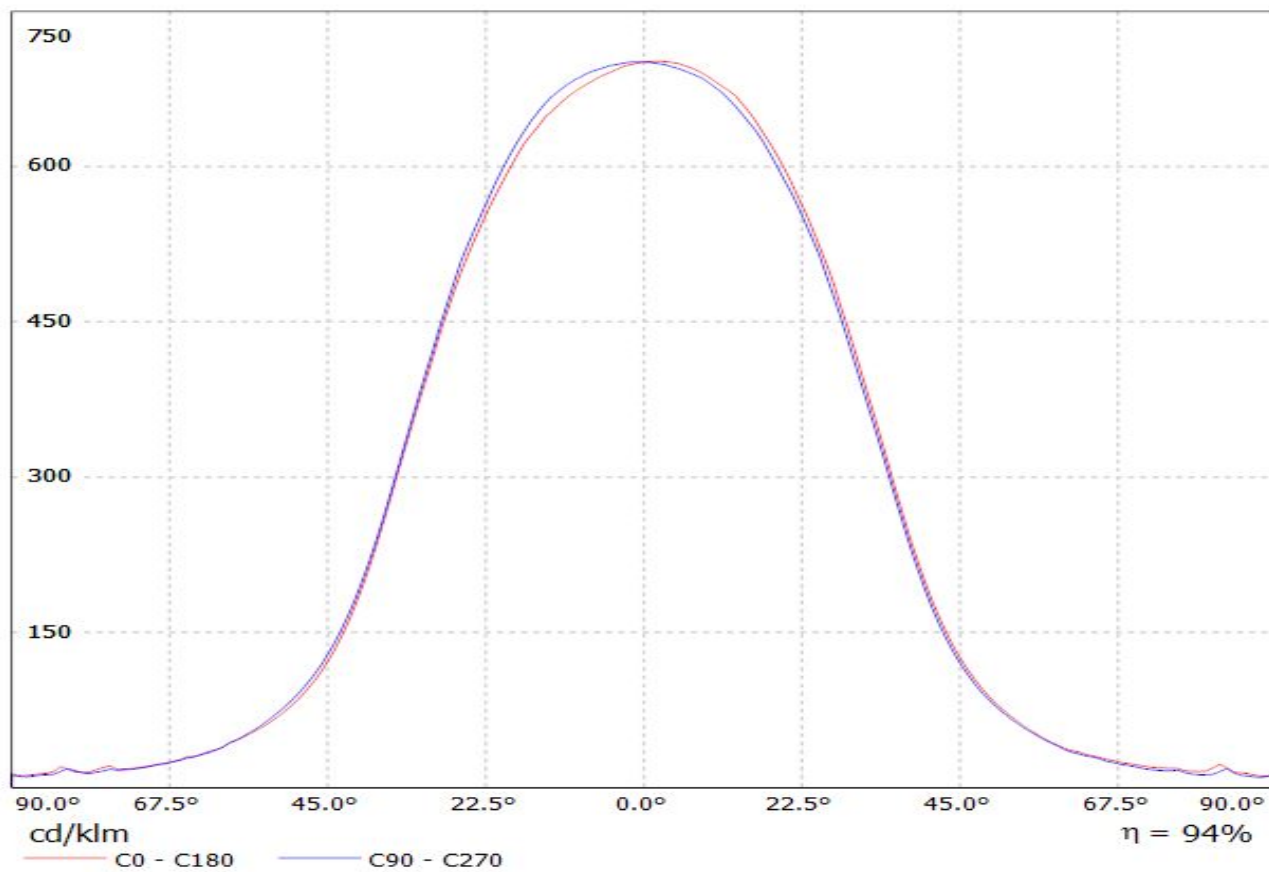


Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_XR-M)

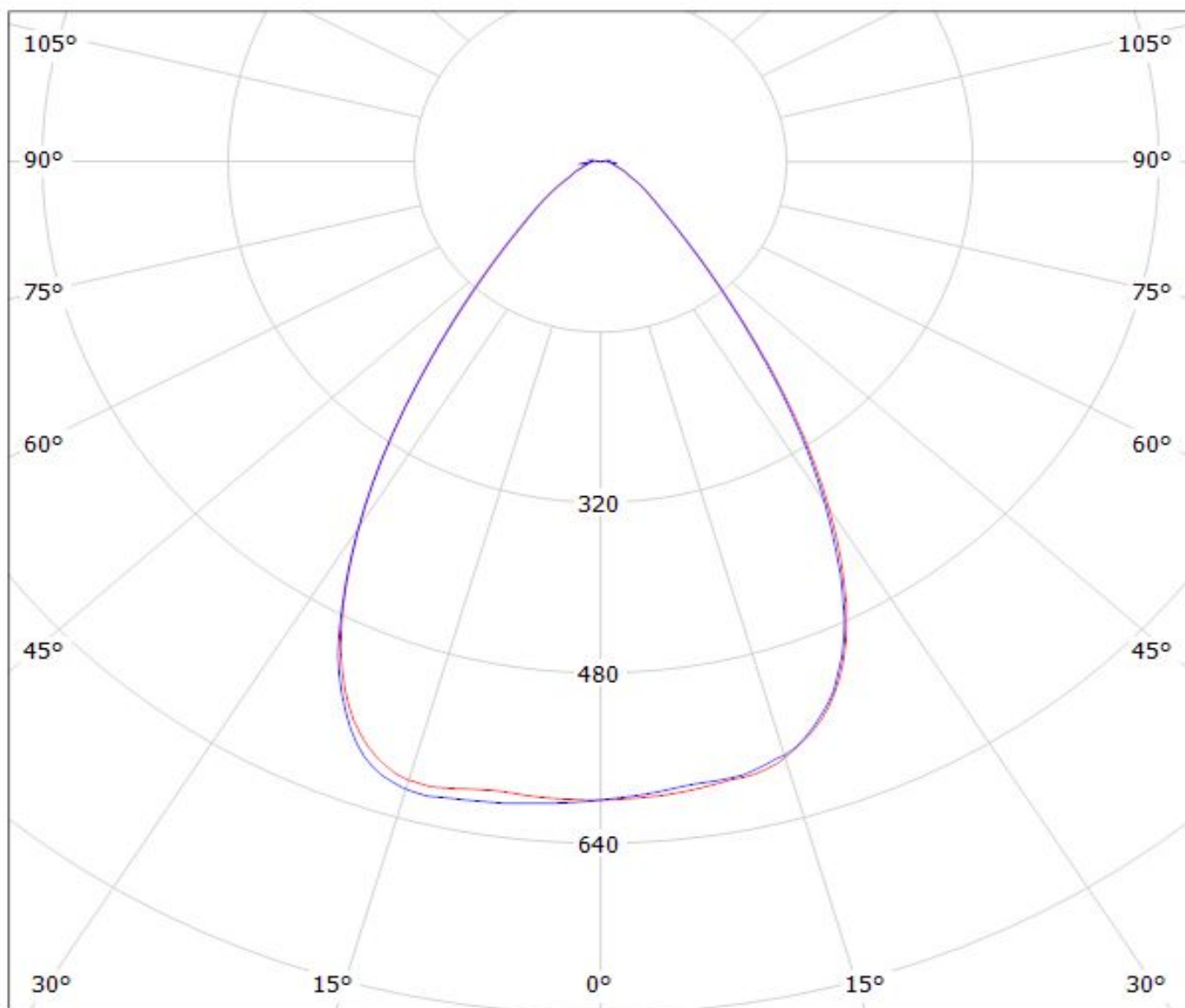
Lamps: 1 x LUXEON_XR-M_SQUARE_2X2_(L2M0-577004MC2200)_1804.92lm@250mA_P=10.9345W_I=0.25A



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_(PSL440)_GS
Lamps: 1 x Citizen_PSL440_1034.87lm@250mA_P=11.3823W_I=0.250A



cd/klm

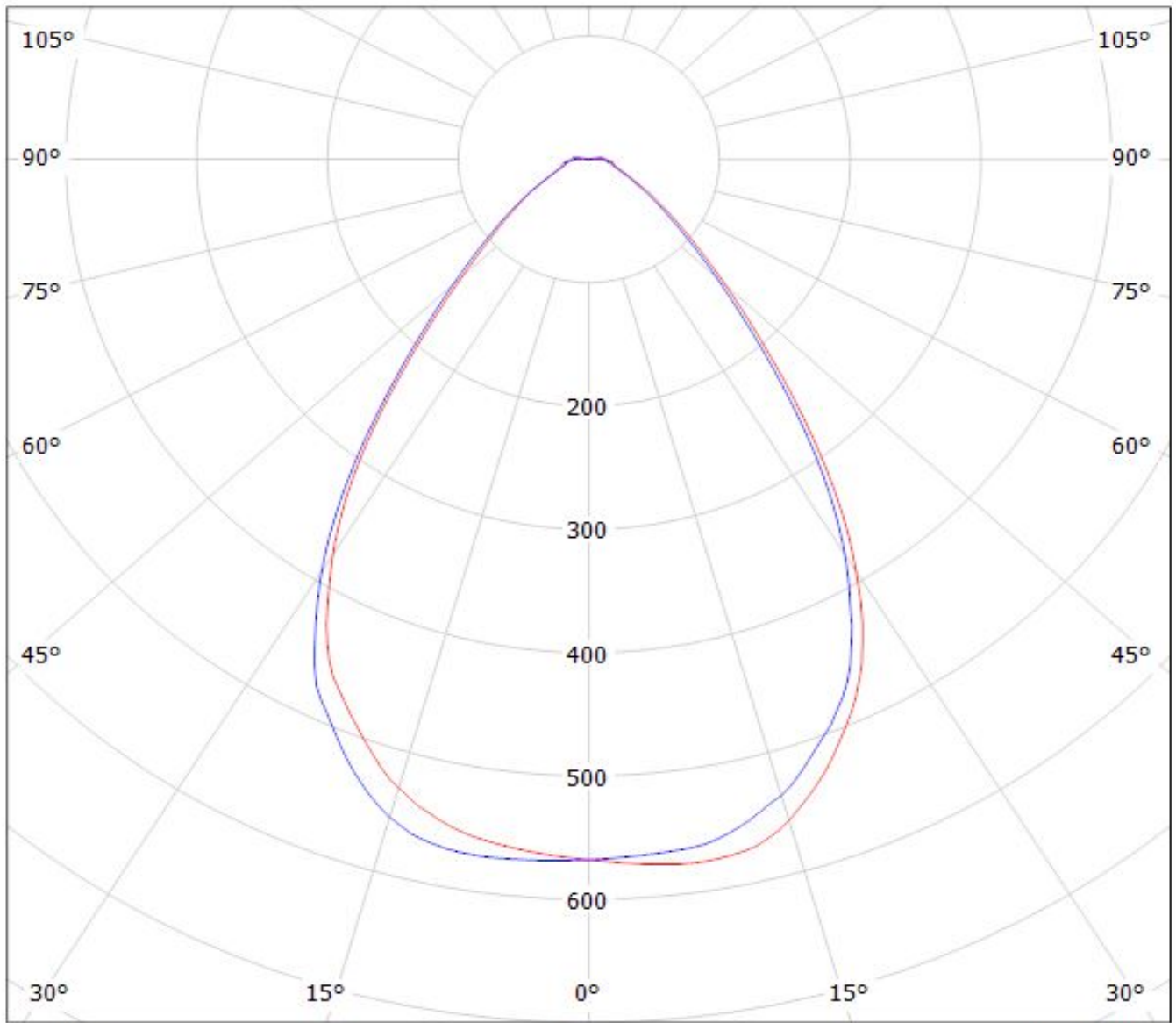
— C0 - C180

— C90 - C270

$\eta = 92\%$

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



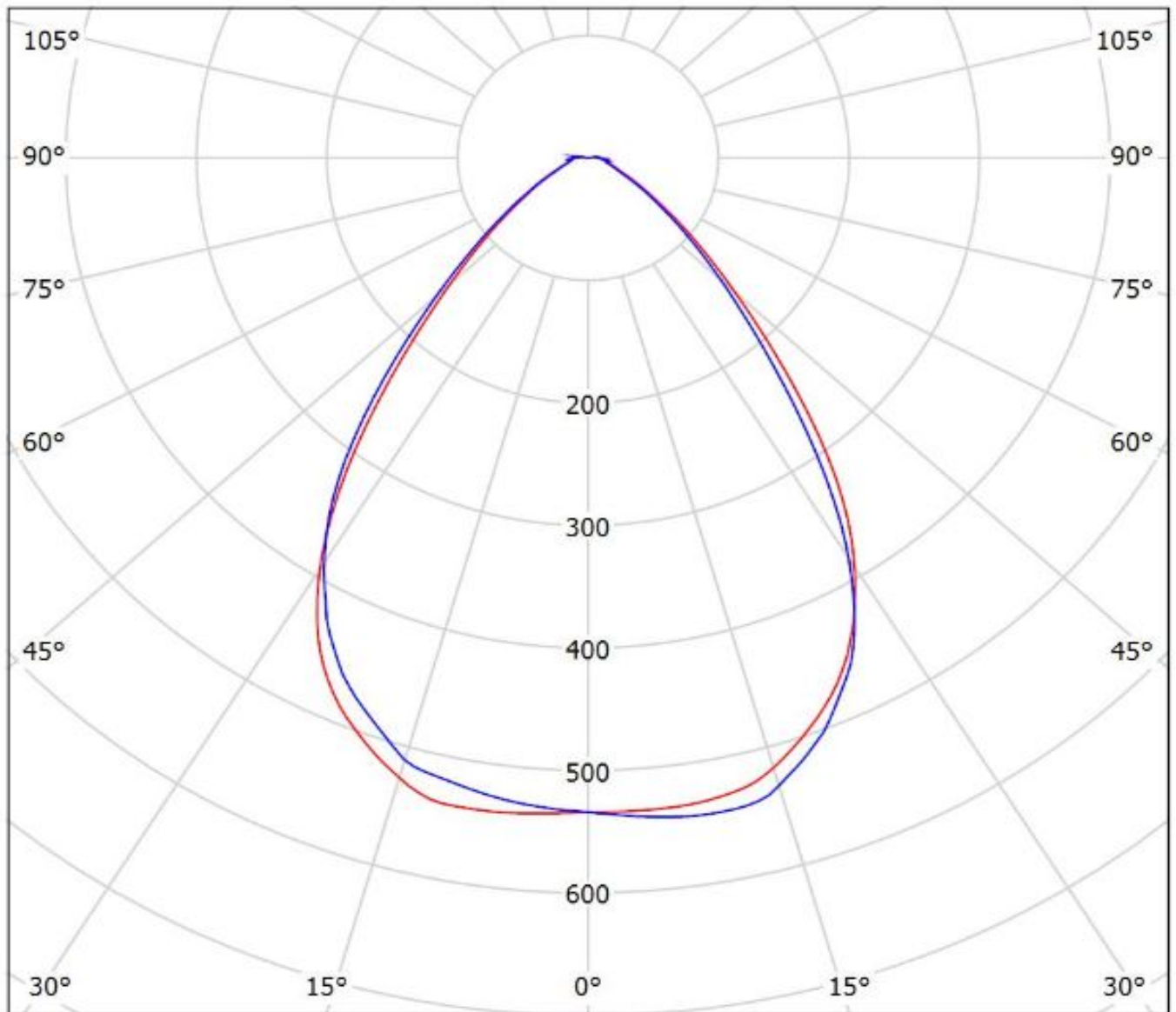
cd/klm

$\eta = 94\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil CS14839_HB-2X2MX-WWW_(XHP70)

Lamps: 1 x Cree_XHP70-2x2_Mx_1522.16lm@250mA_P=11.084W_I=0.25A



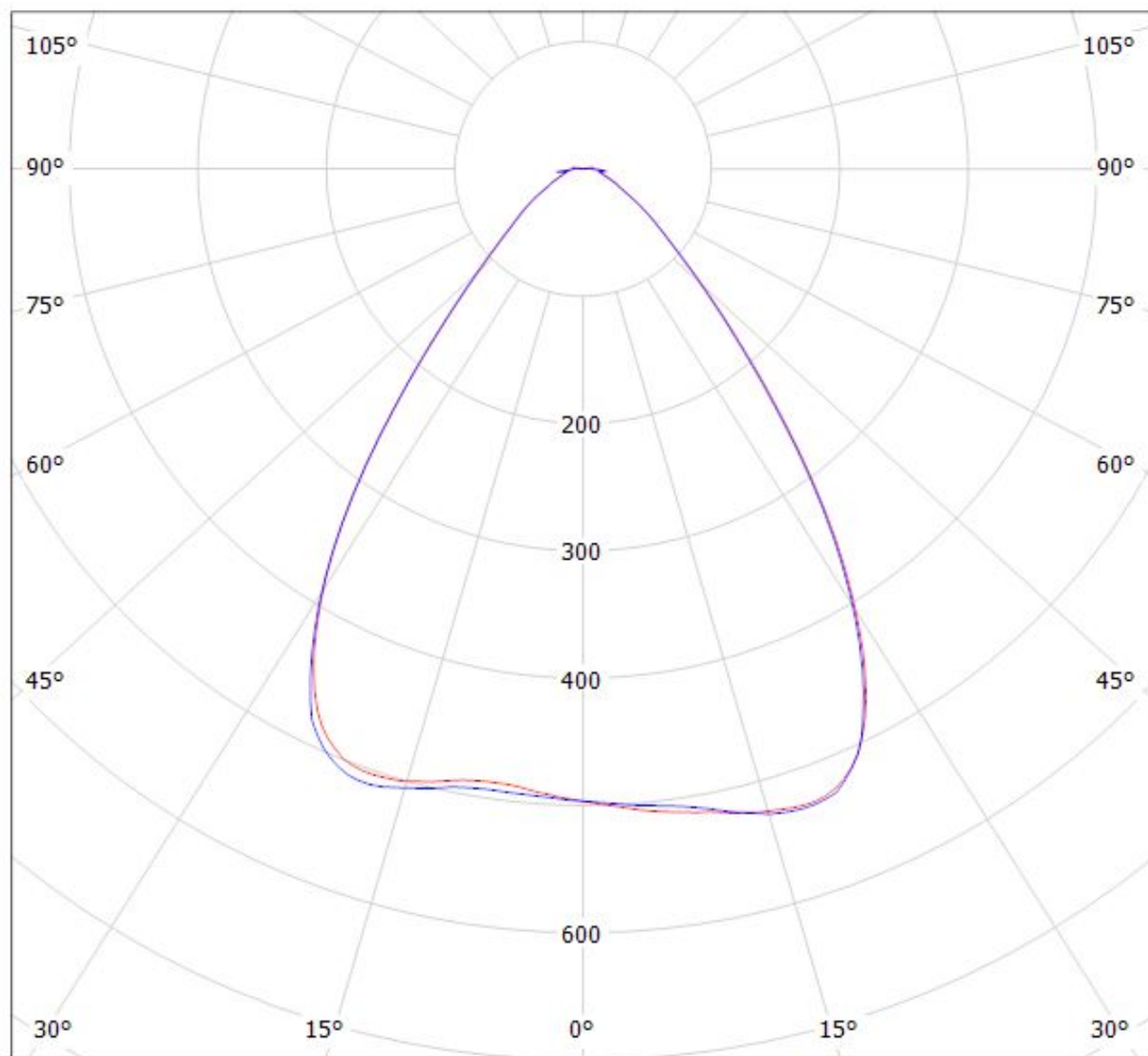
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

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



cd/klm

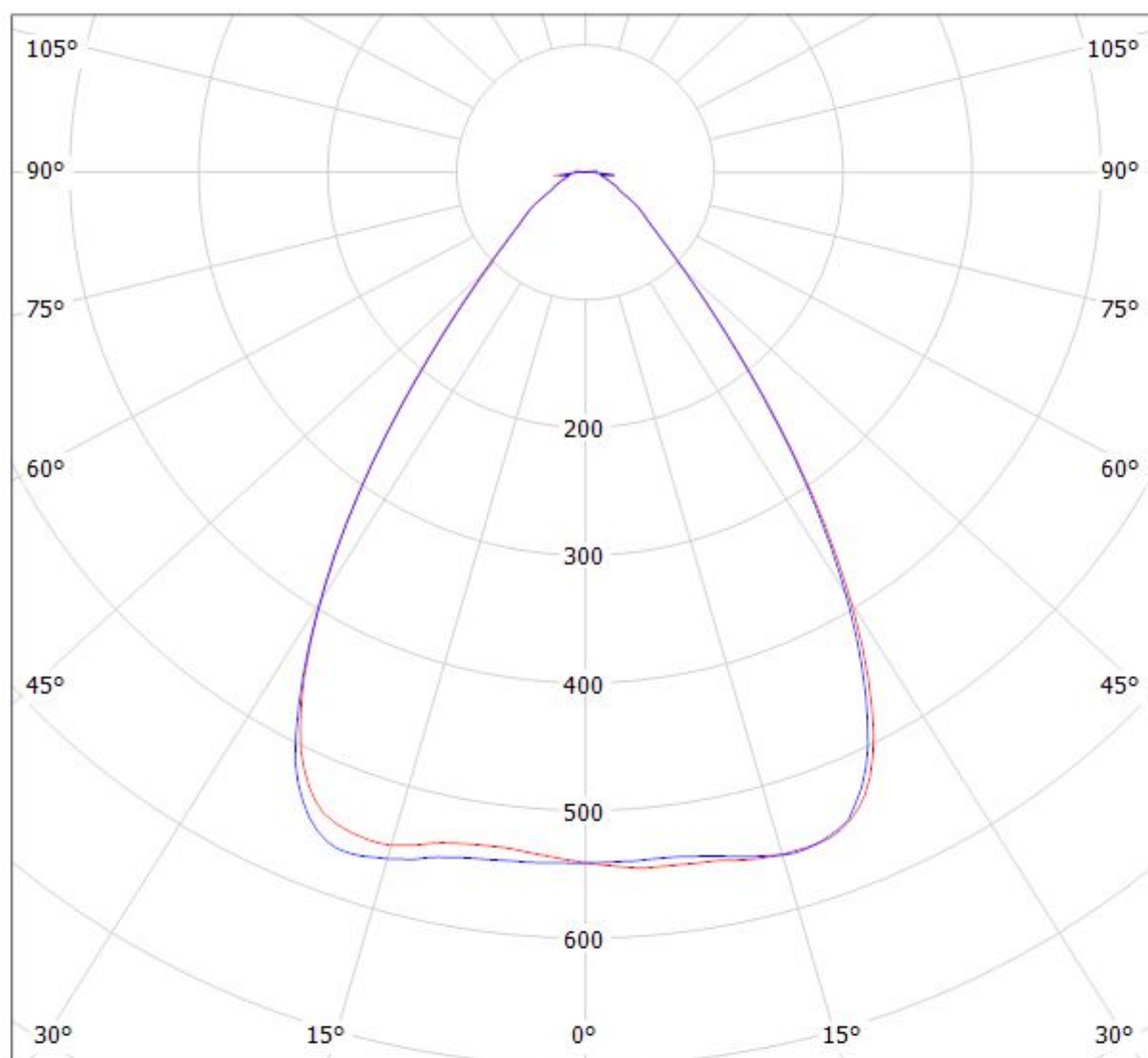
$\eta = 93\%$

— C0 - C180

— C90 - C270

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



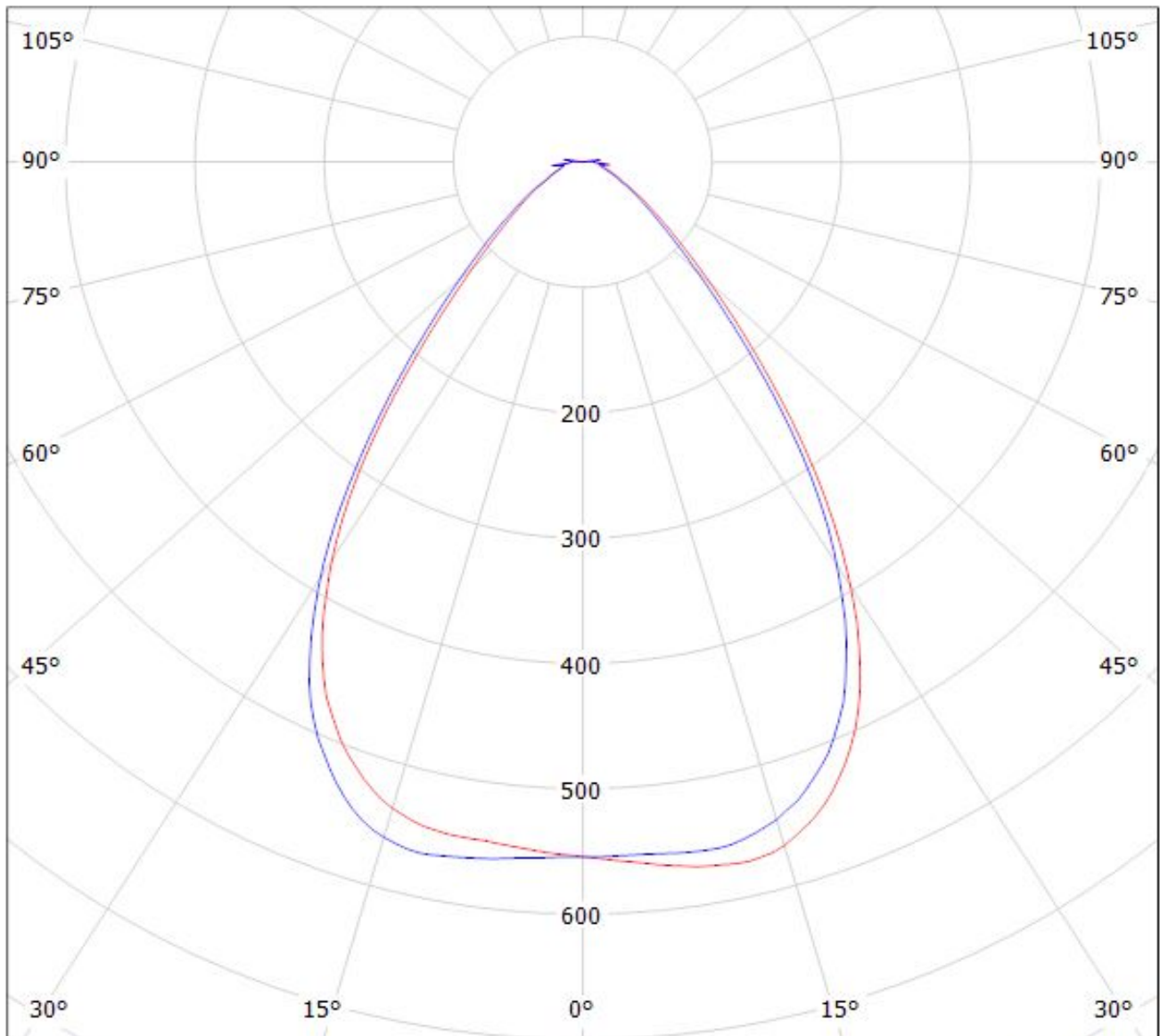
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

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

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



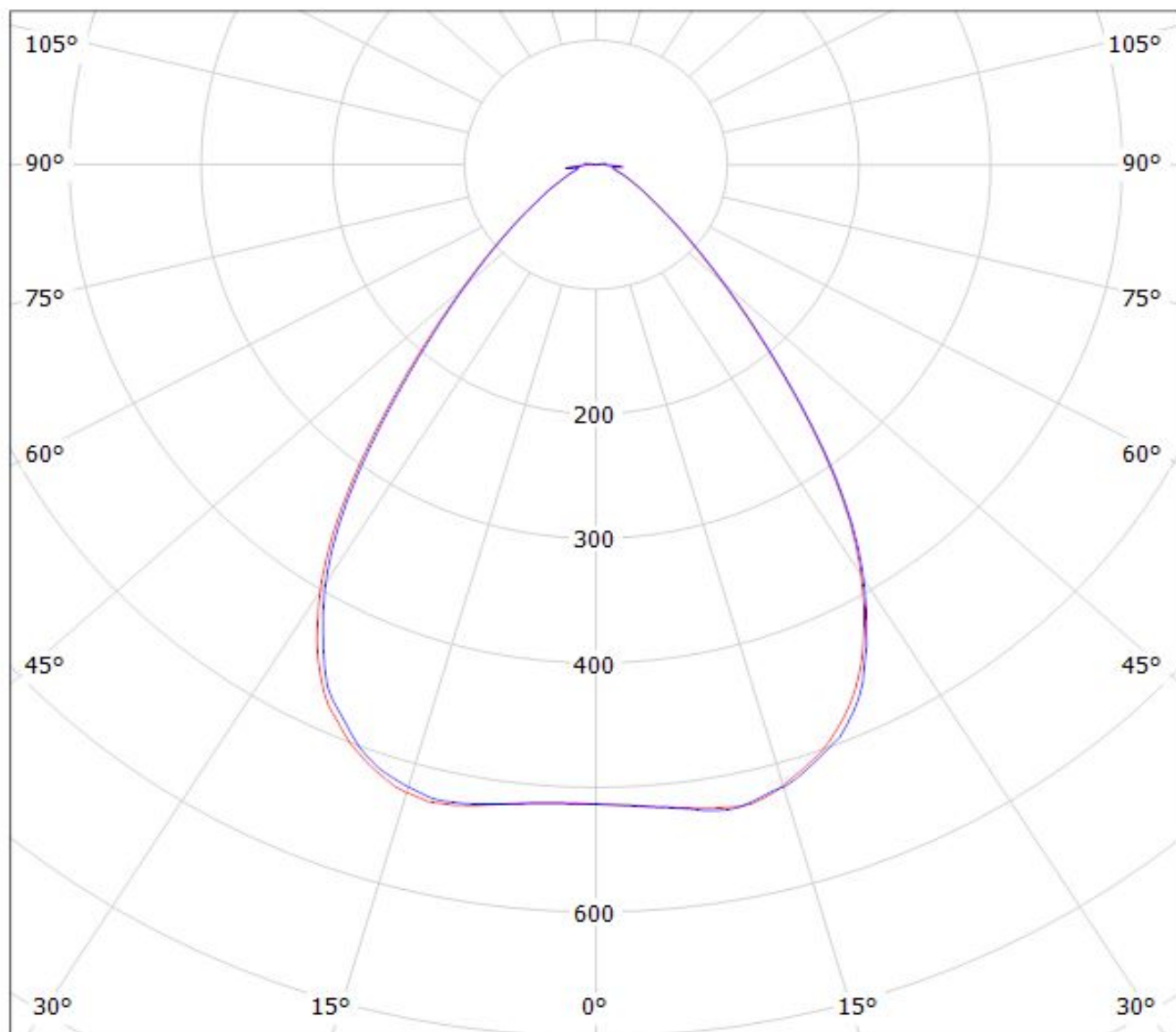
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

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



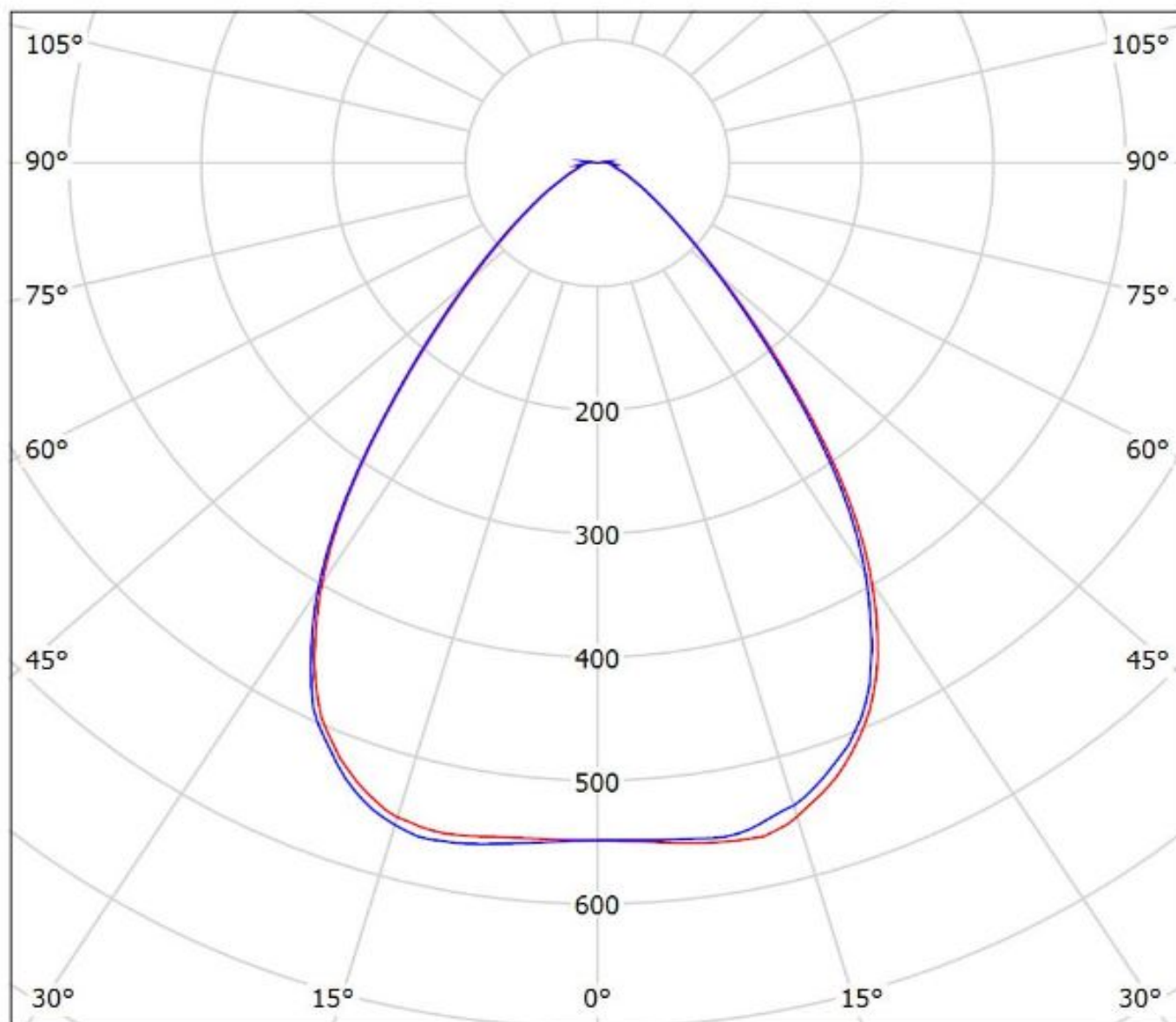
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

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

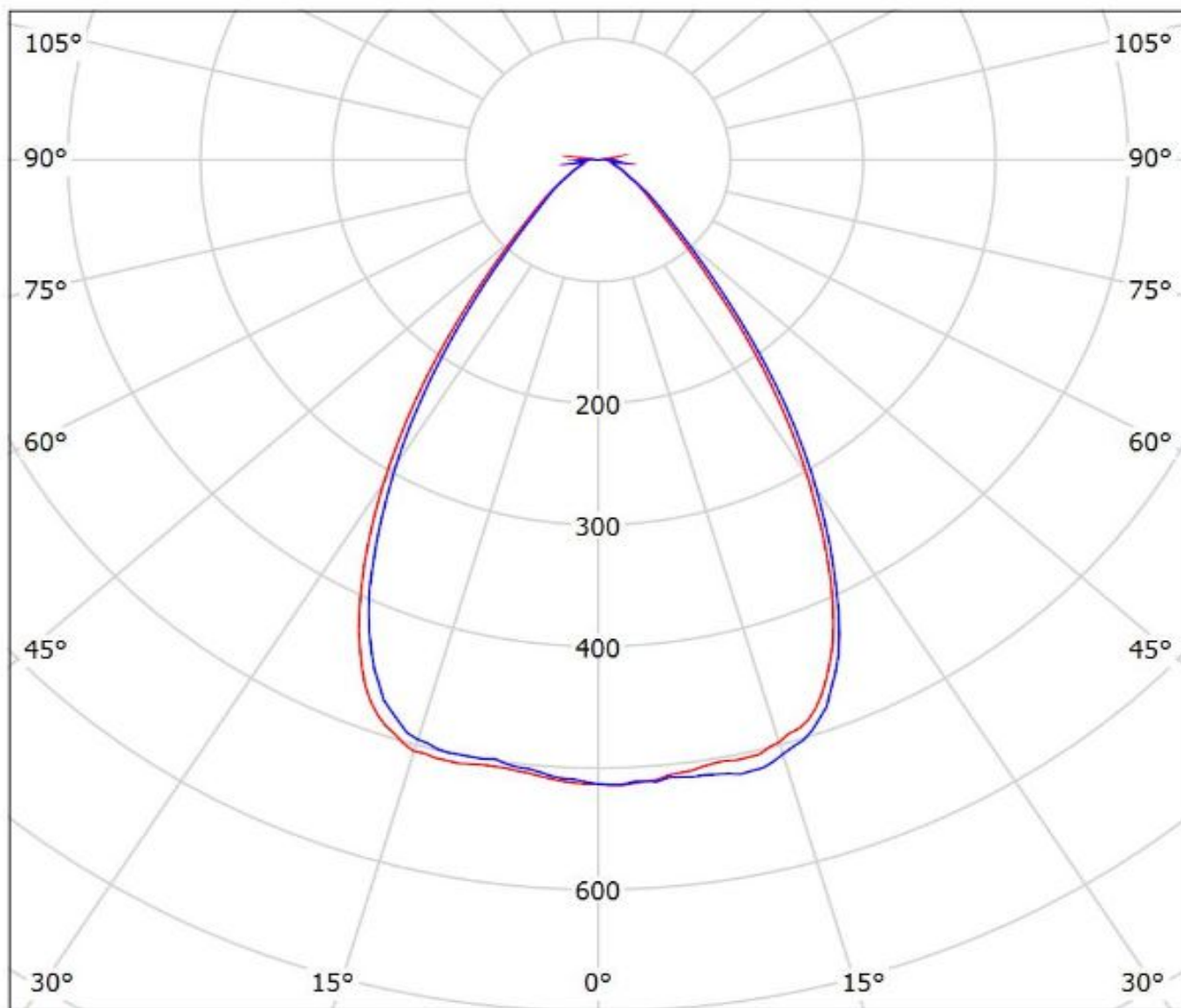
— C0 - C180

— 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



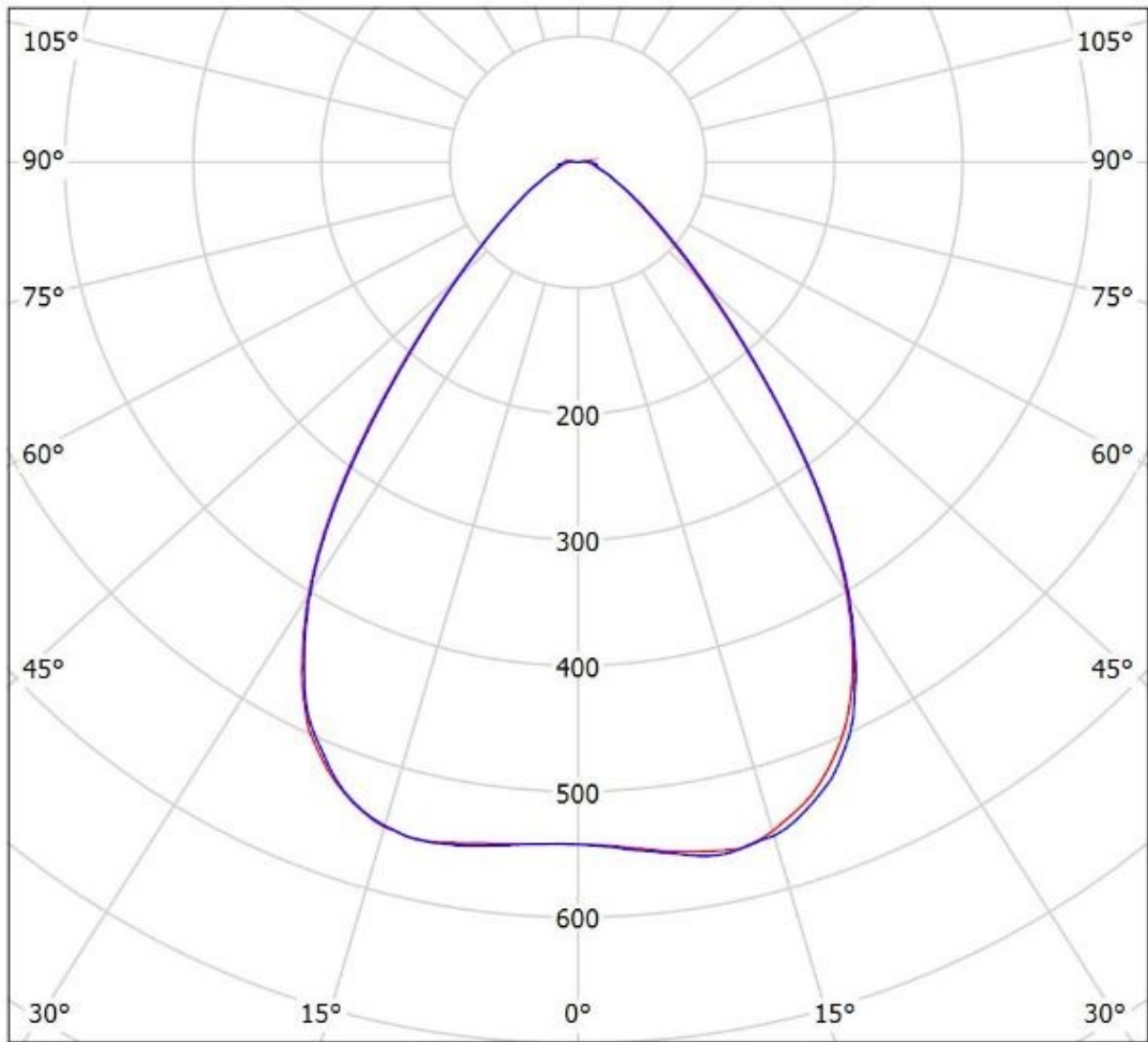
cd/klm

— C0 - C180 — C90 - C270

$\eta = 75\%$

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



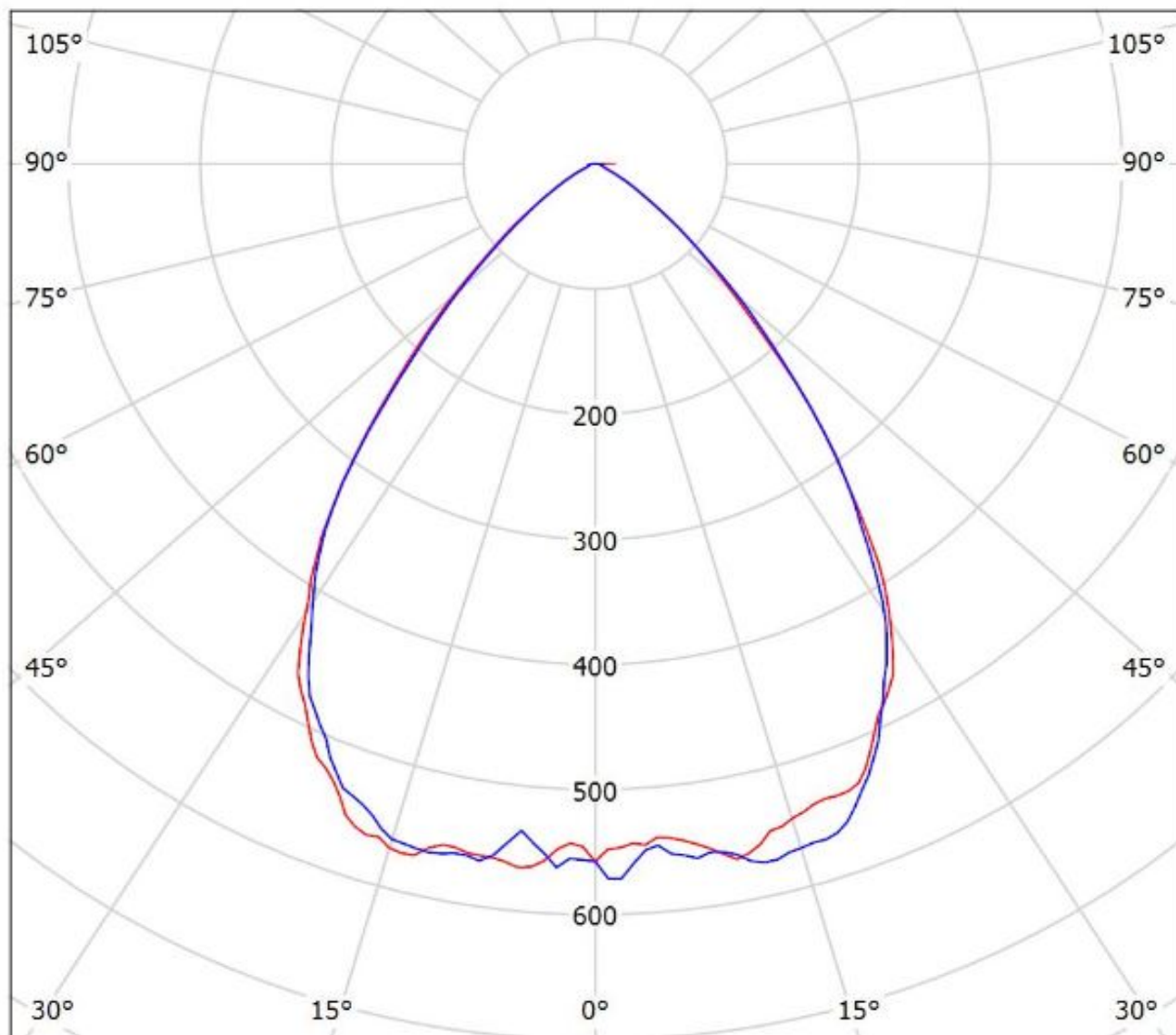
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

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

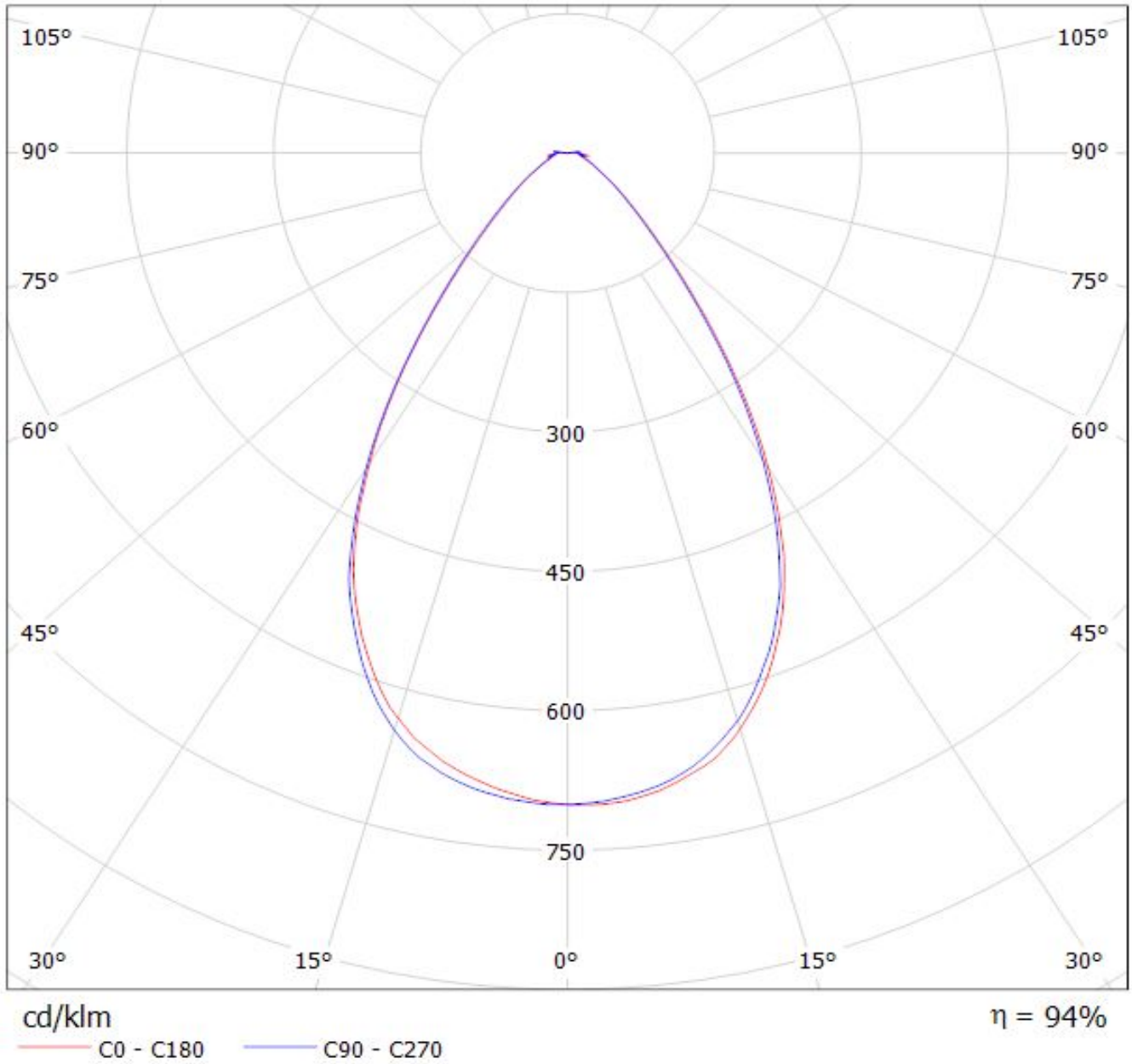


cd/klm

— 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.