PRODUCT DATASHEET
HighBay series
last update 31/5/2017

DETAILS

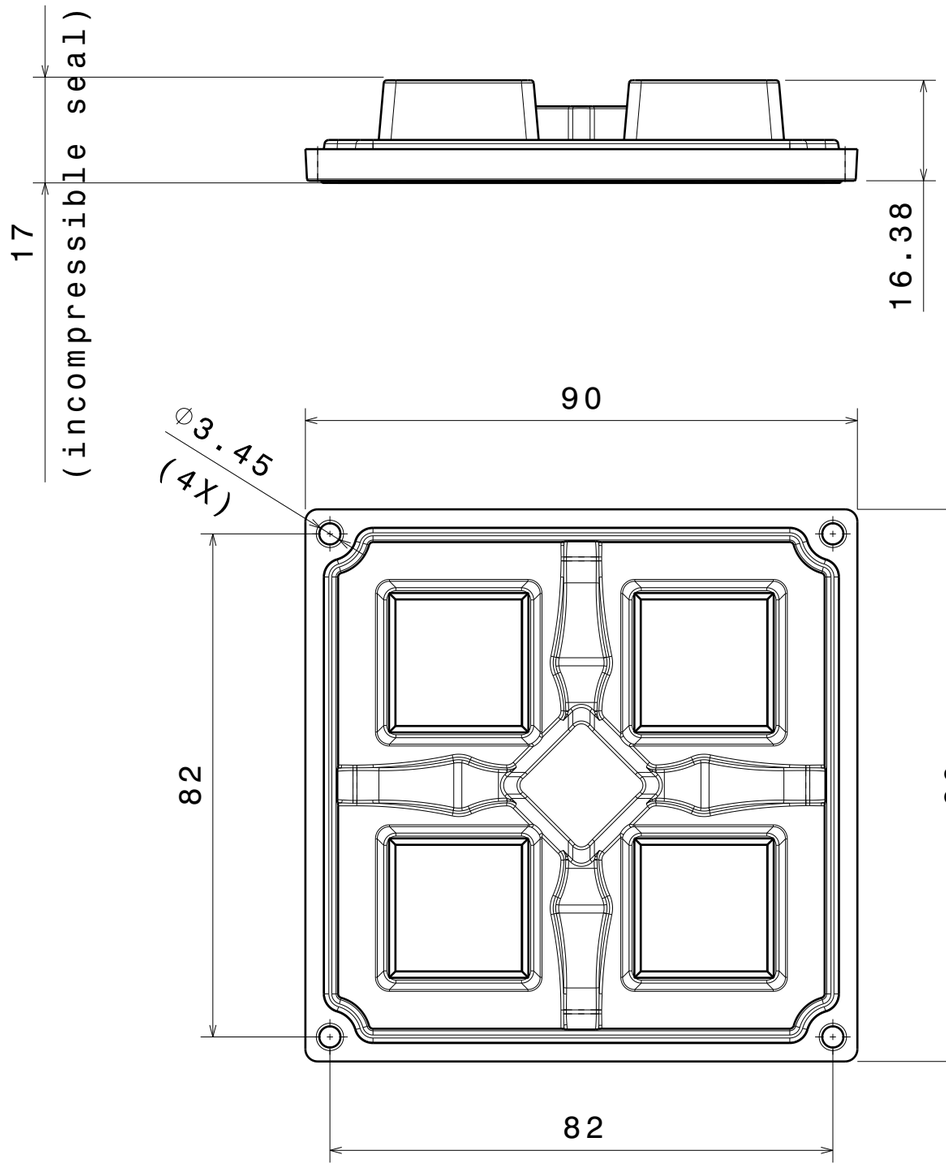
Product Number	CS14839_HB-2X2MX-WWW
Family	HighBay
Type	Assembly
Color	clear
Diameter	90x90 mm
Height	16,38 mm
Style	square
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	31/05/2017

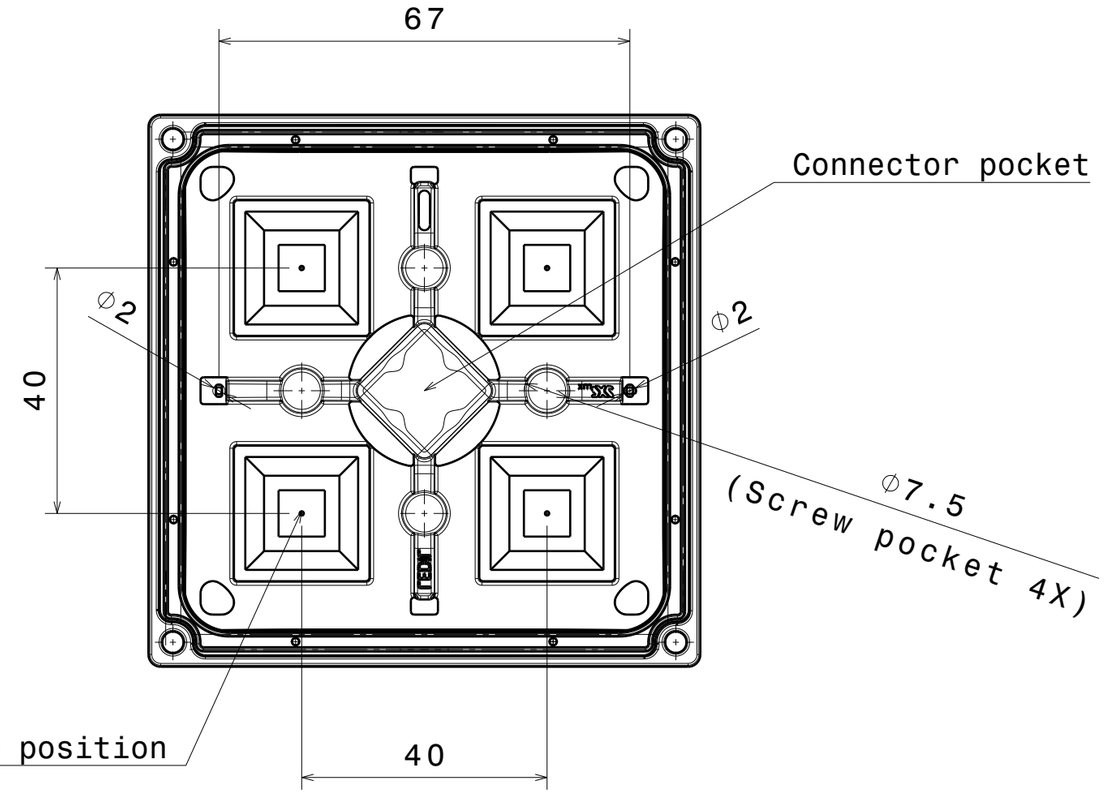
OPTICAL PROPERTIES

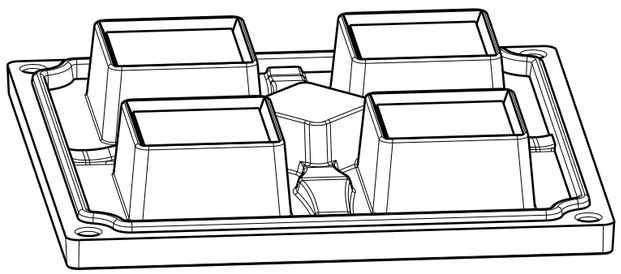
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
SMD 5050	sim: 78	WWW-class	sim: 94 %	sim: 0.580	-
PSL440	73 deg	WWW-class	92 %	0.614	-
PSL445	73 deg	WWW-class	94 %	0.580	-
XHP70	77 deg	WWW-class	93 %	0.550	-
XHP35 HD	76 deg	WWW-class	93 %	0.530	-
XHP35 HI	73 deg	WWW-class	93 %	0.560	-
XHP50	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	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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







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

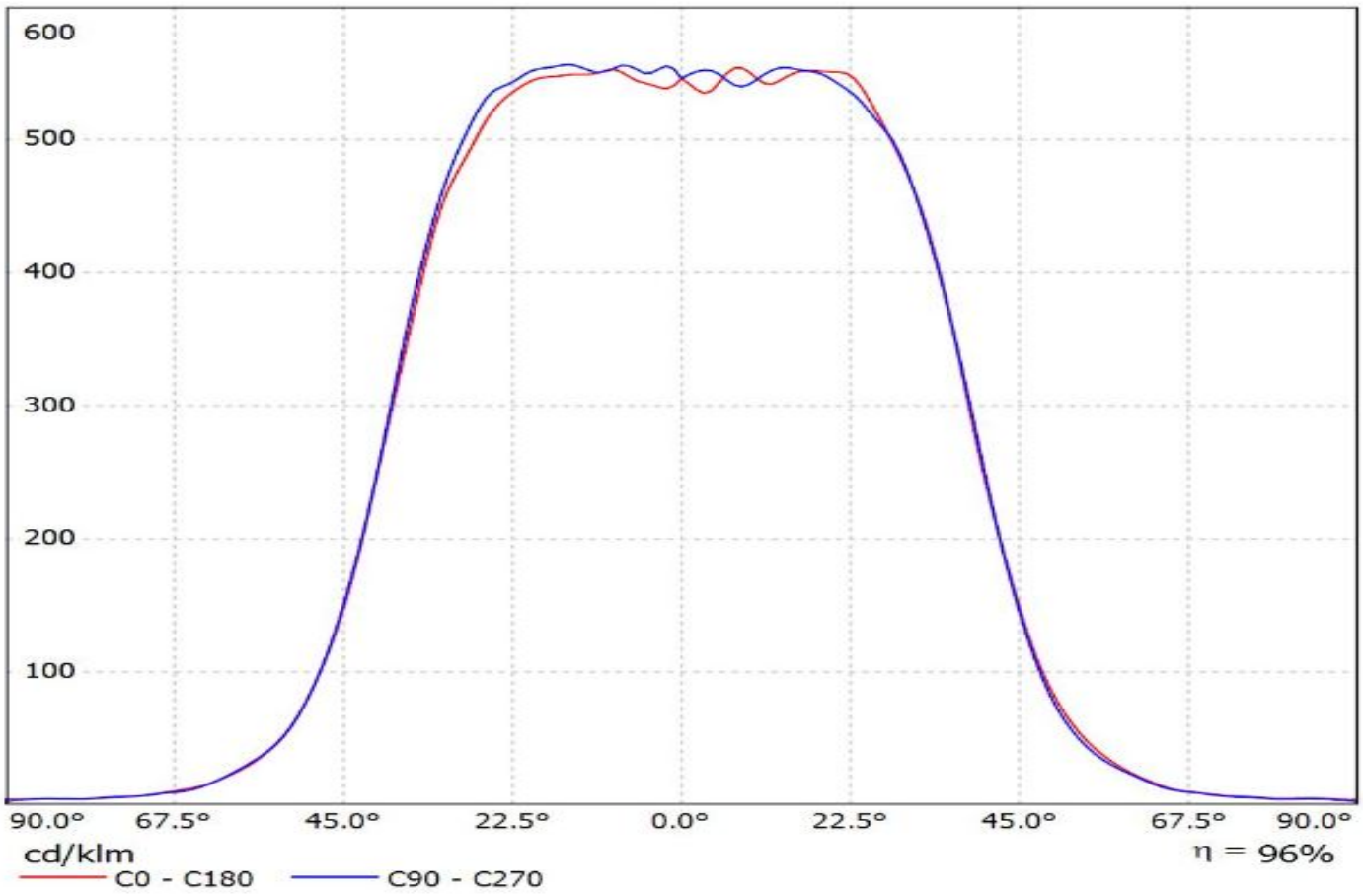
THIRD ANGLE PROJECTION:

LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

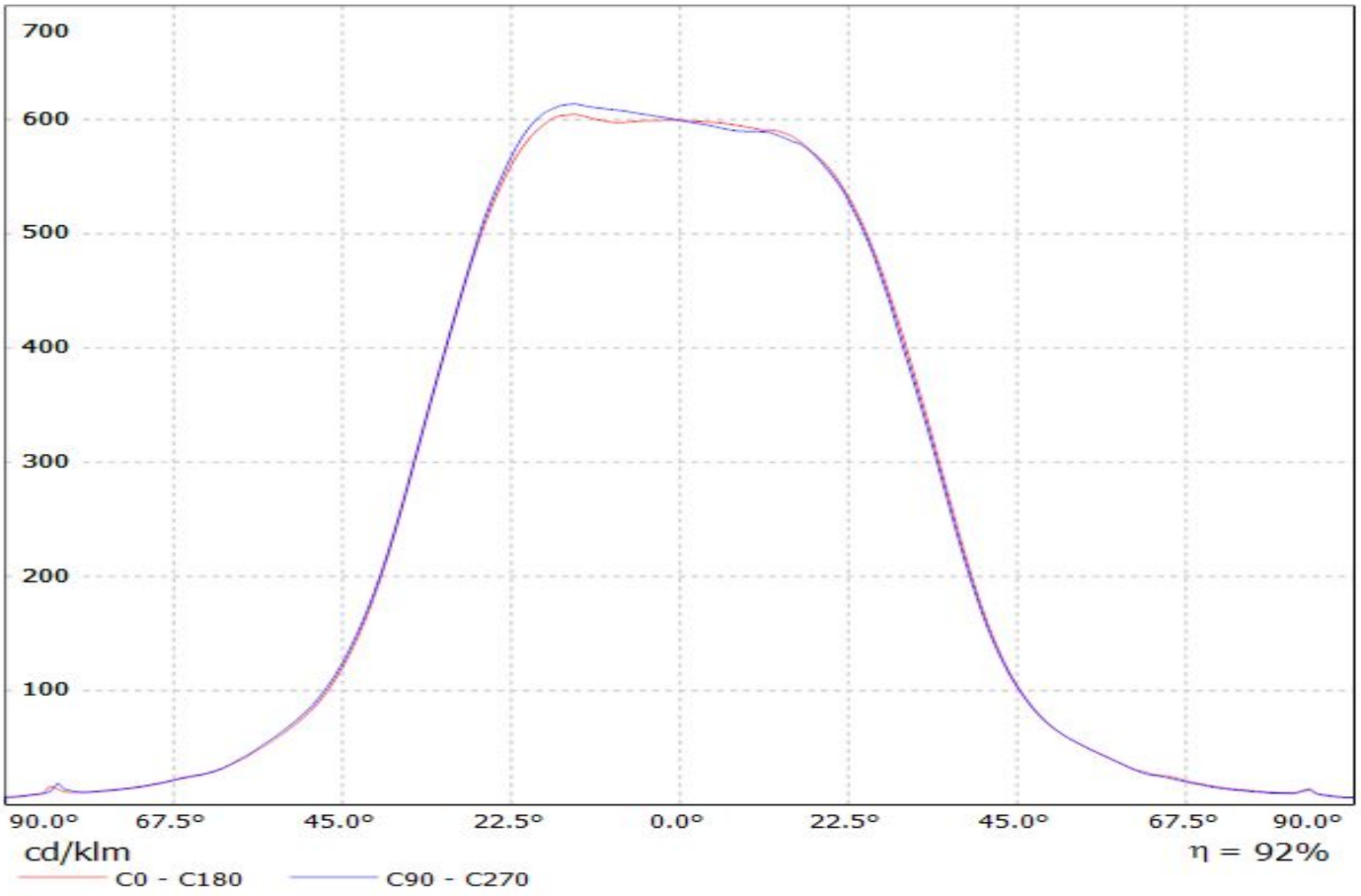
DRAWING TITLE
CS14839_HB-2X2MX-WWW

SIZE	PART NUMBER		
A3	CS14839		
SCALE 1:1	WEIGHT 46.9 g		SHEET 1/1

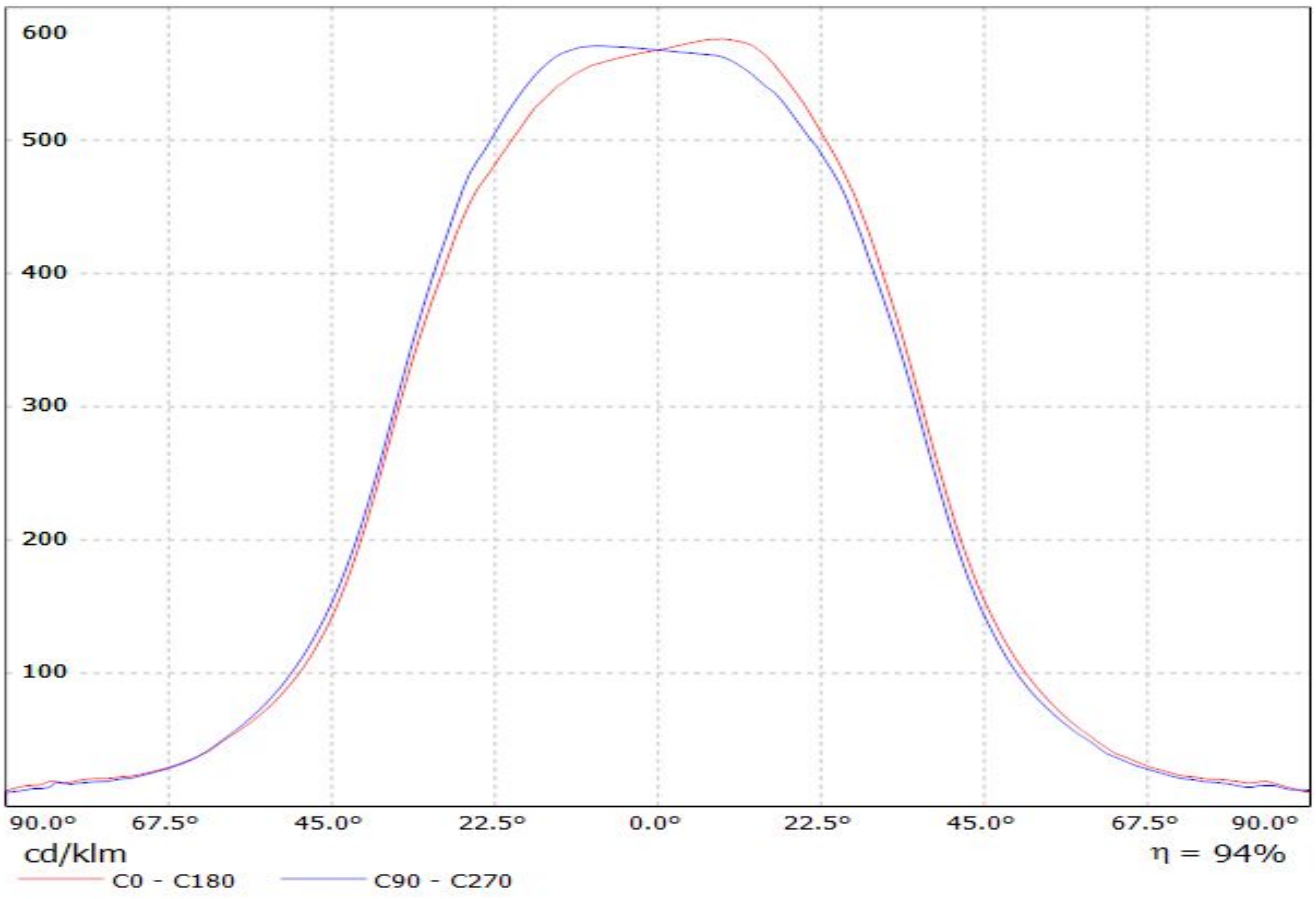
Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_BRIDGELUX_SMD_5050_SIMULATED
Lamps: 1 x BRIDGELUX SMD 5050



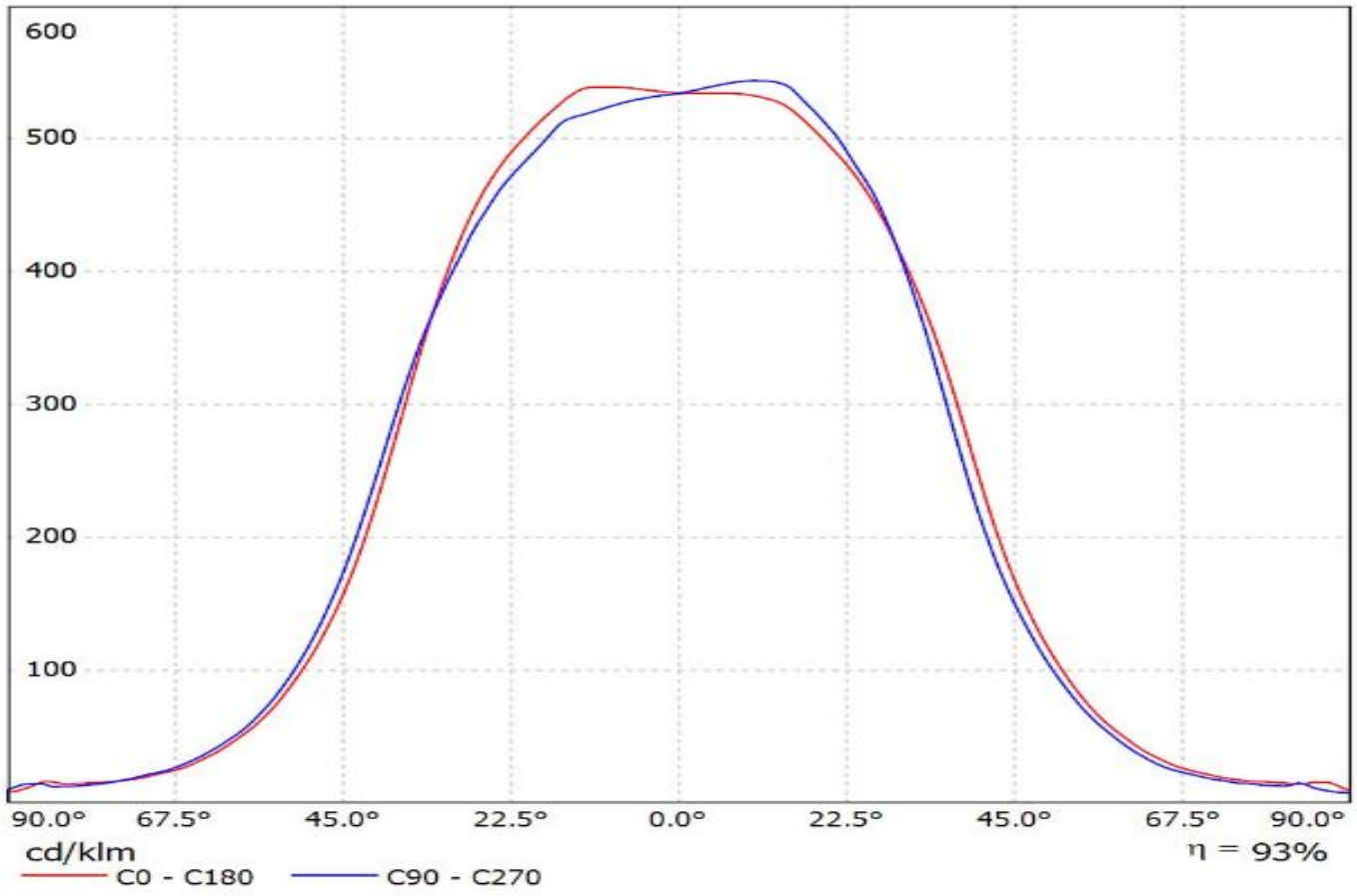
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL440)_GS
Lamps: 1 x Citizen_PSL440_1034.87lm@250mA_P=11.3823W_I=0.250A



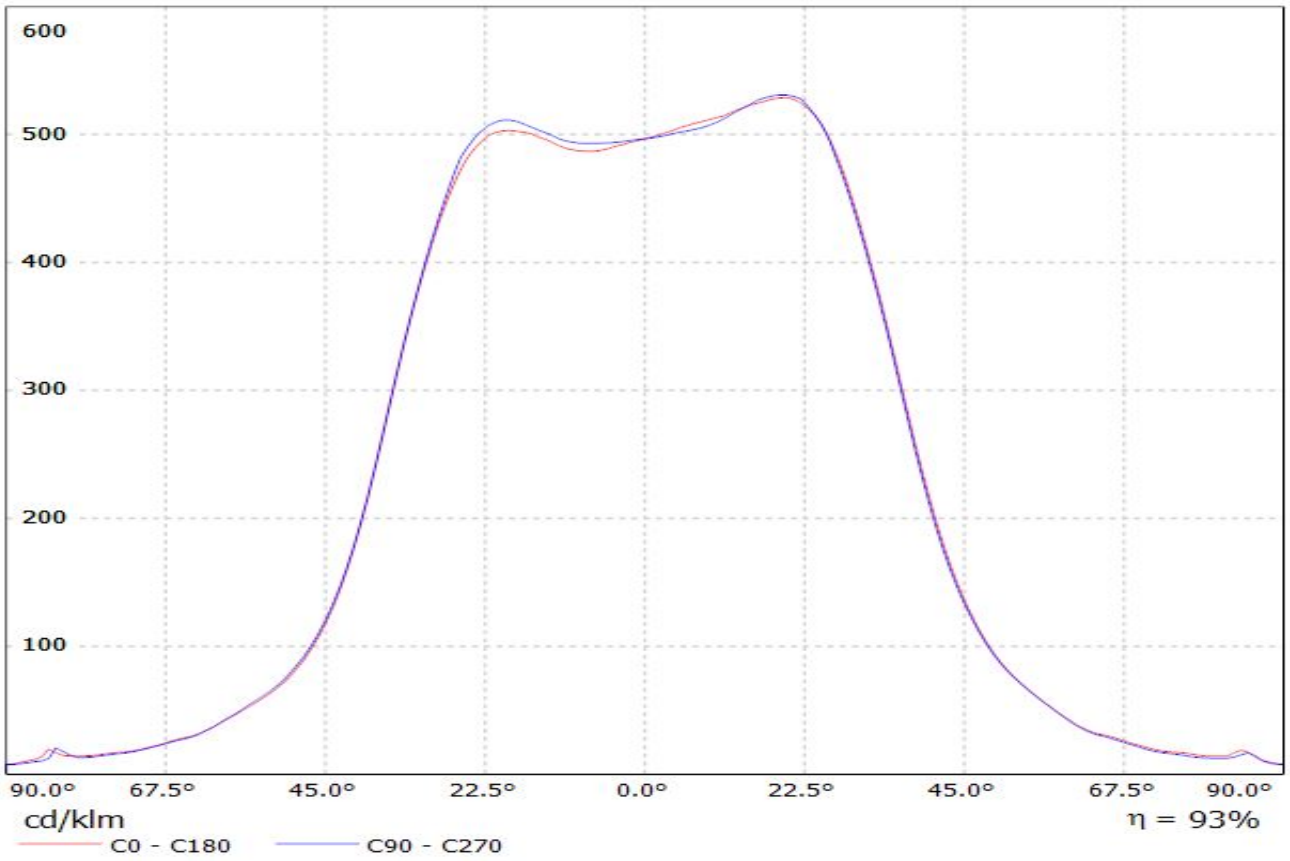
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(PSL445)
Lamps: 1 x Citizen_PSL445_2x2_1674.9lm@250mA_P=11.1421W_I=0.250A_CCT=2700K



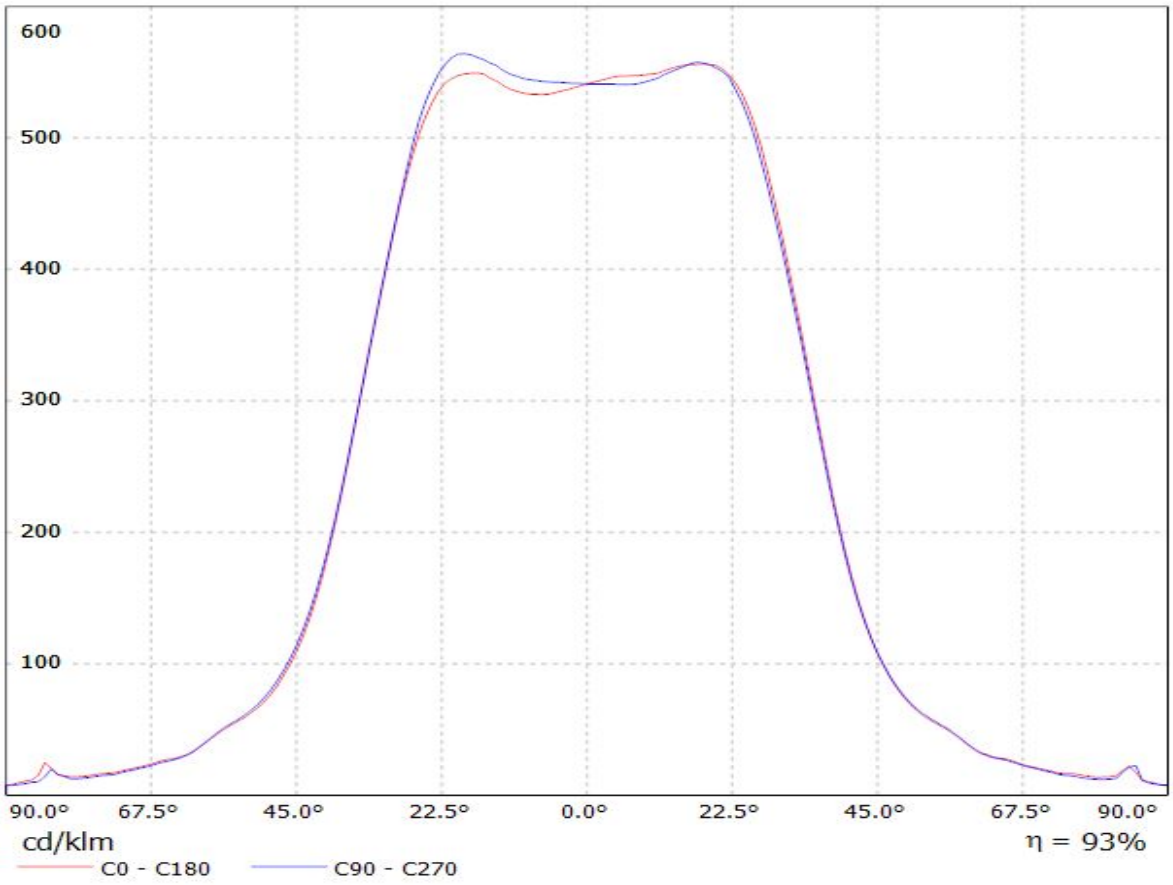
Luminaire: Ledil CS14839_HB-2X2MX-WWW_(XHP70)
Lamps: 1 x Cree_XHP70-2x2_Mx_1522.16lm@250mA_P=11.084W_I=0.25A



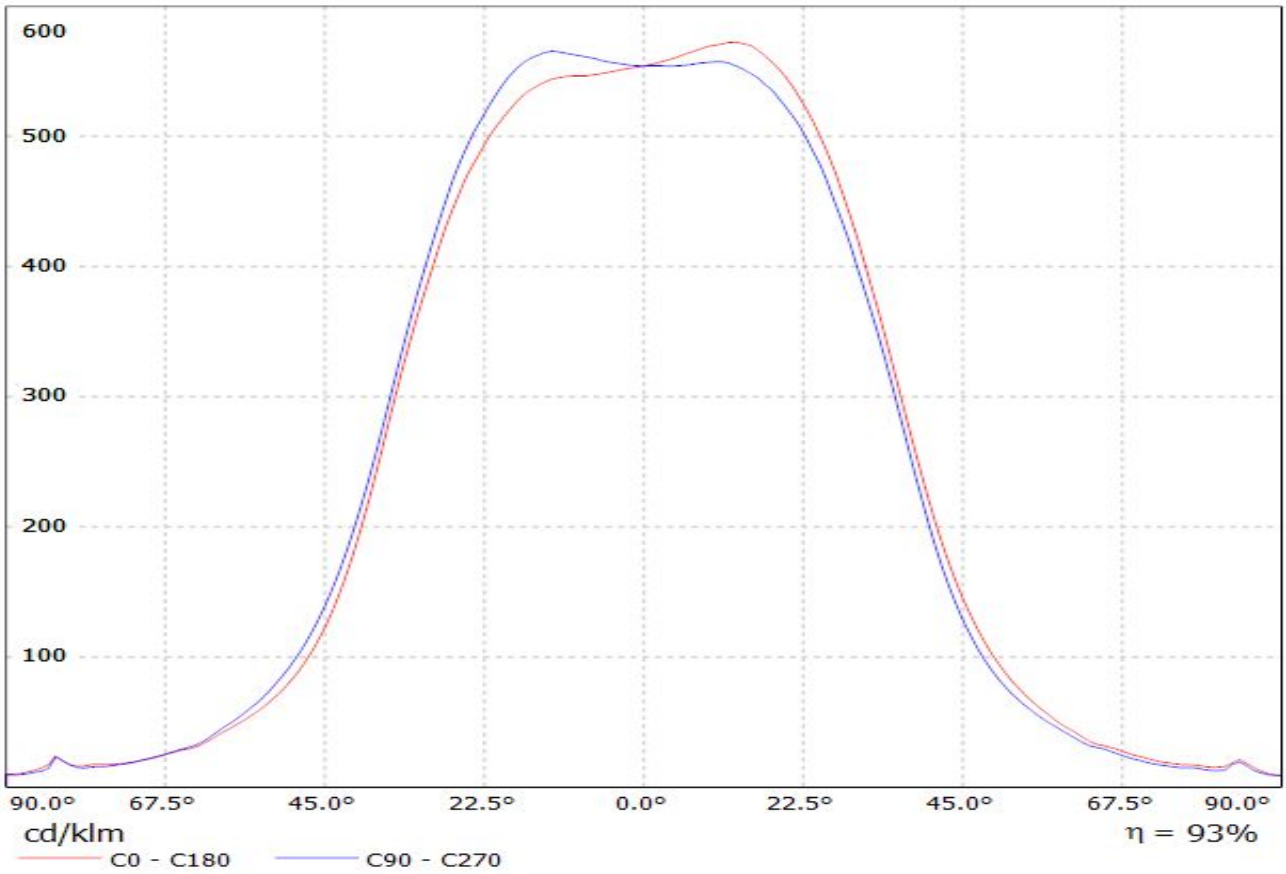
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HD)
Lamps: 1 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1728.98lm@250mA_P=11.3112W_I=0.250A



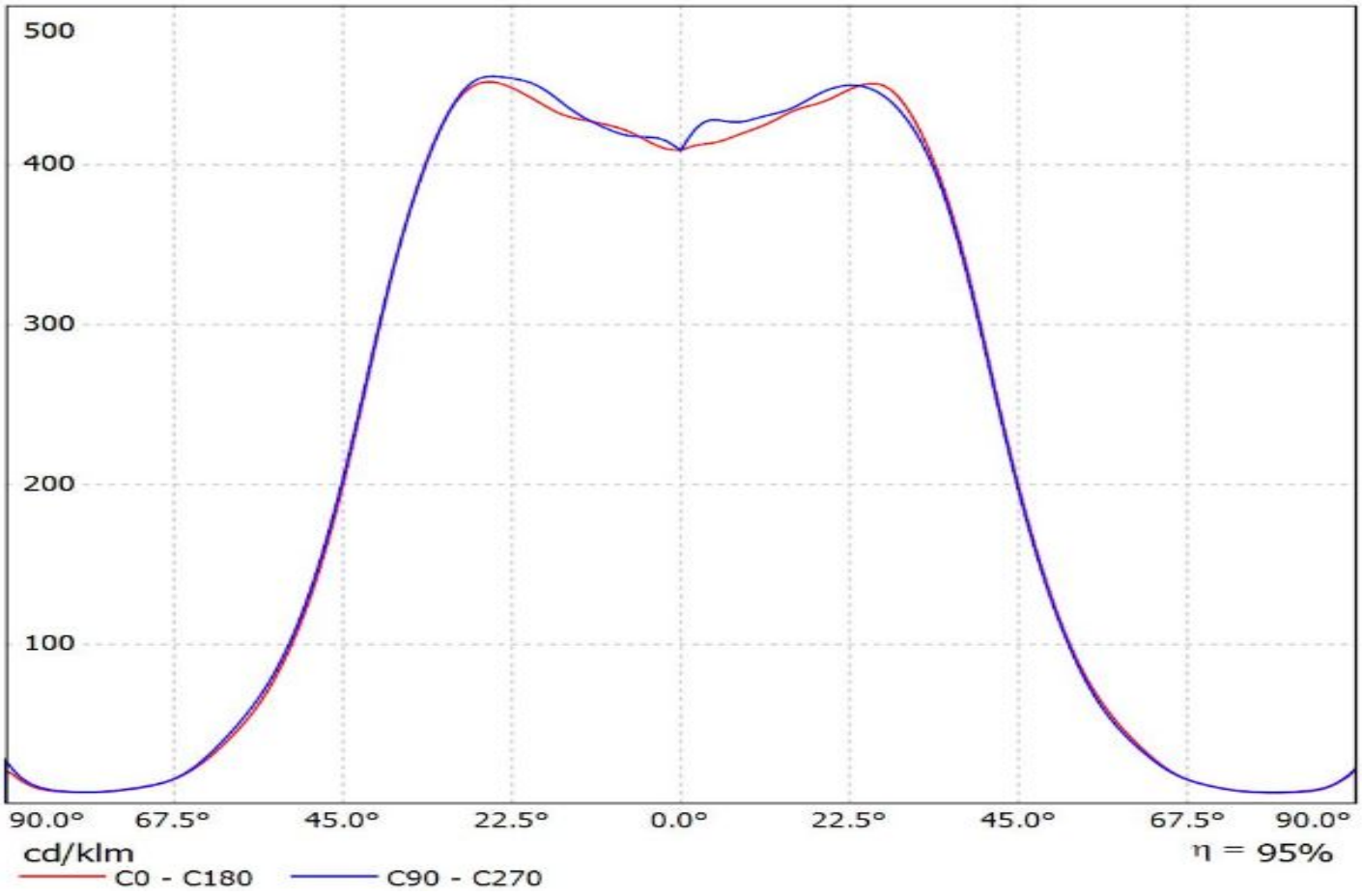
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP35_HI)
Lamps: 1 x Cree_XHP35_HI_(XHP35A-H-5C0-D40-D0-B-01)_1615.75lm@250mA_CCT=4000K_P=11.4373W_I=0.250A



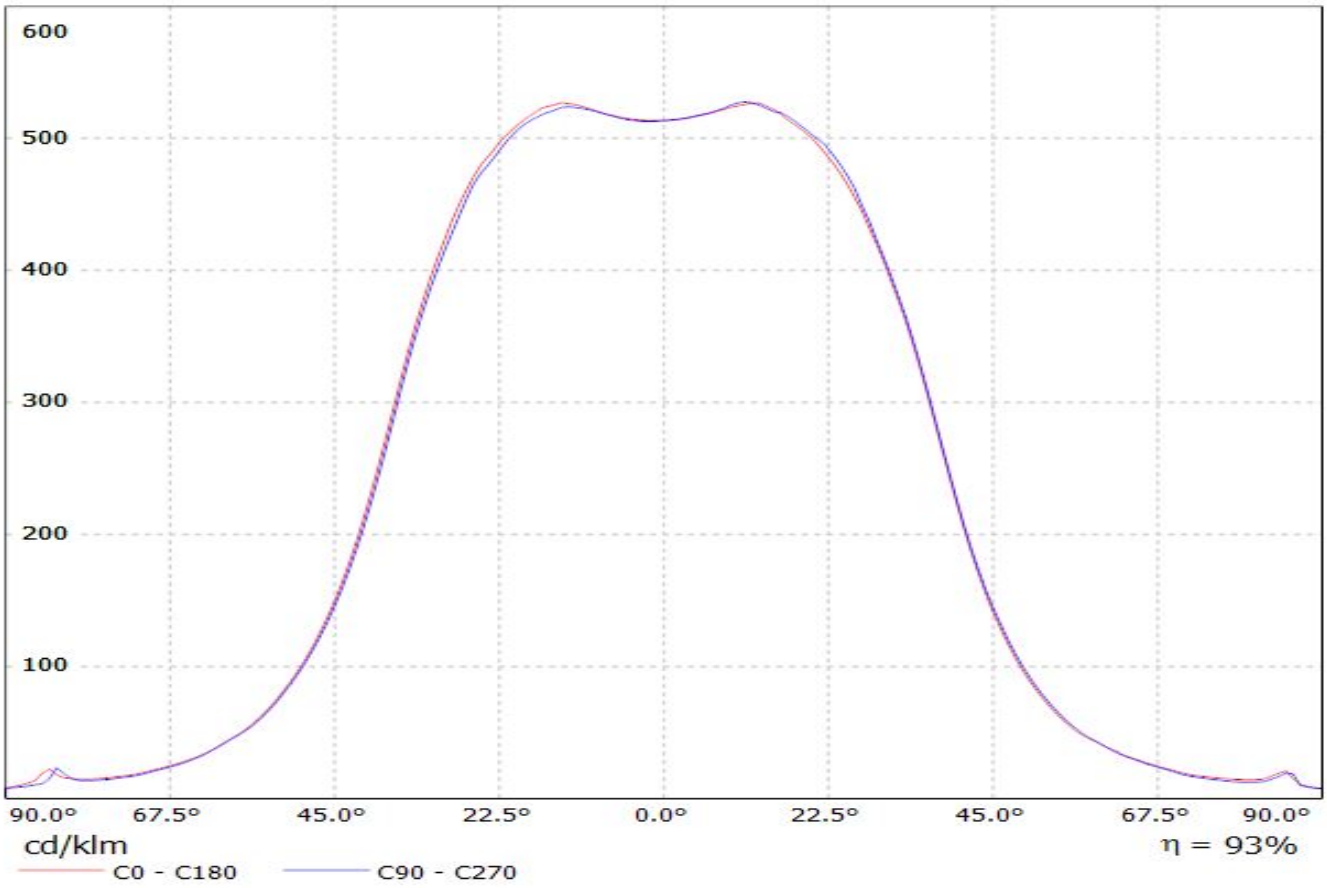
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(XHP50)
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1815.51lm@250mA_P=11.4658W_I=0.250A



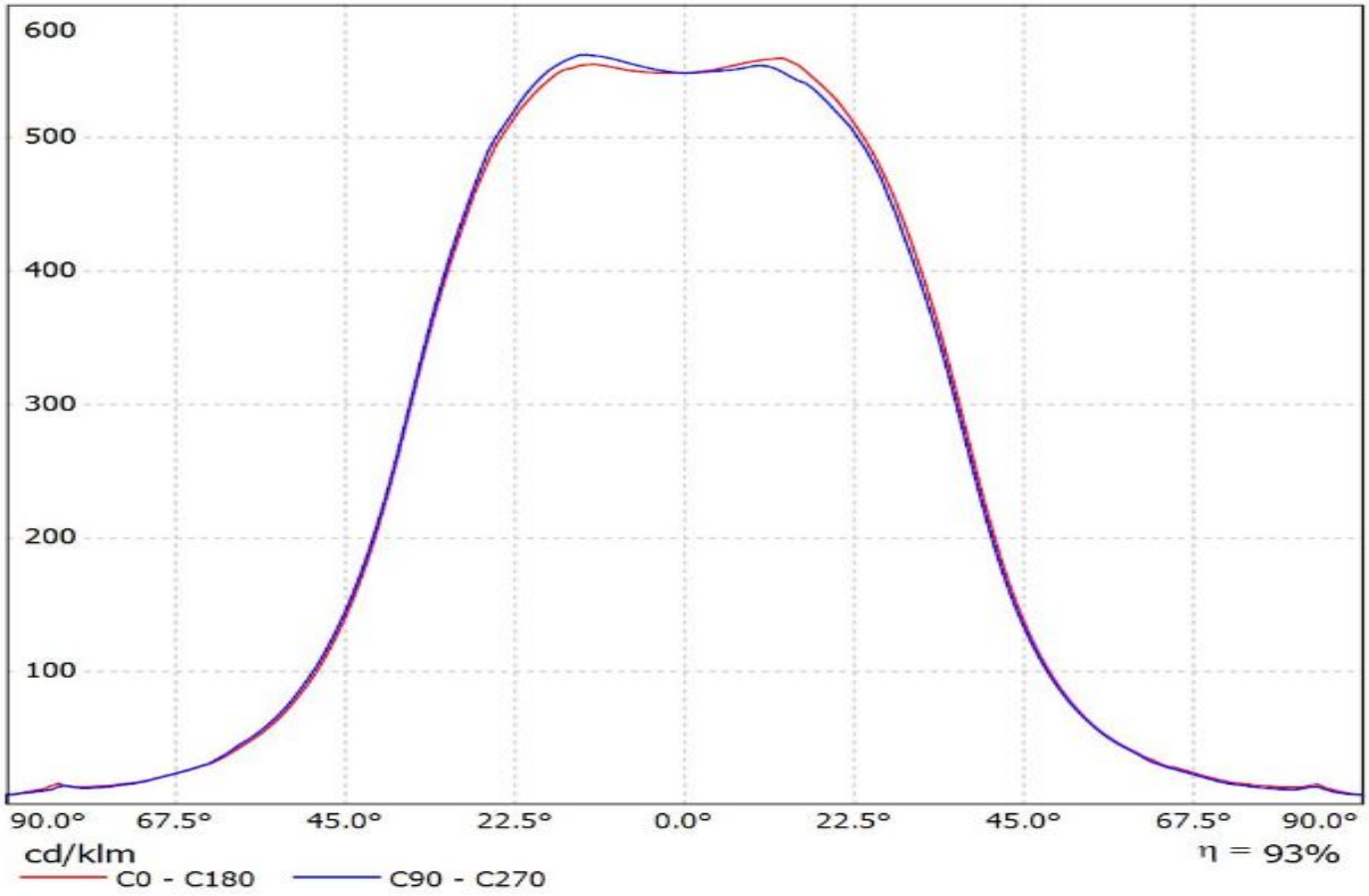
Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_(XHP50_2)_SIMULATED
Lamps: 1 x Cree XHP50.2



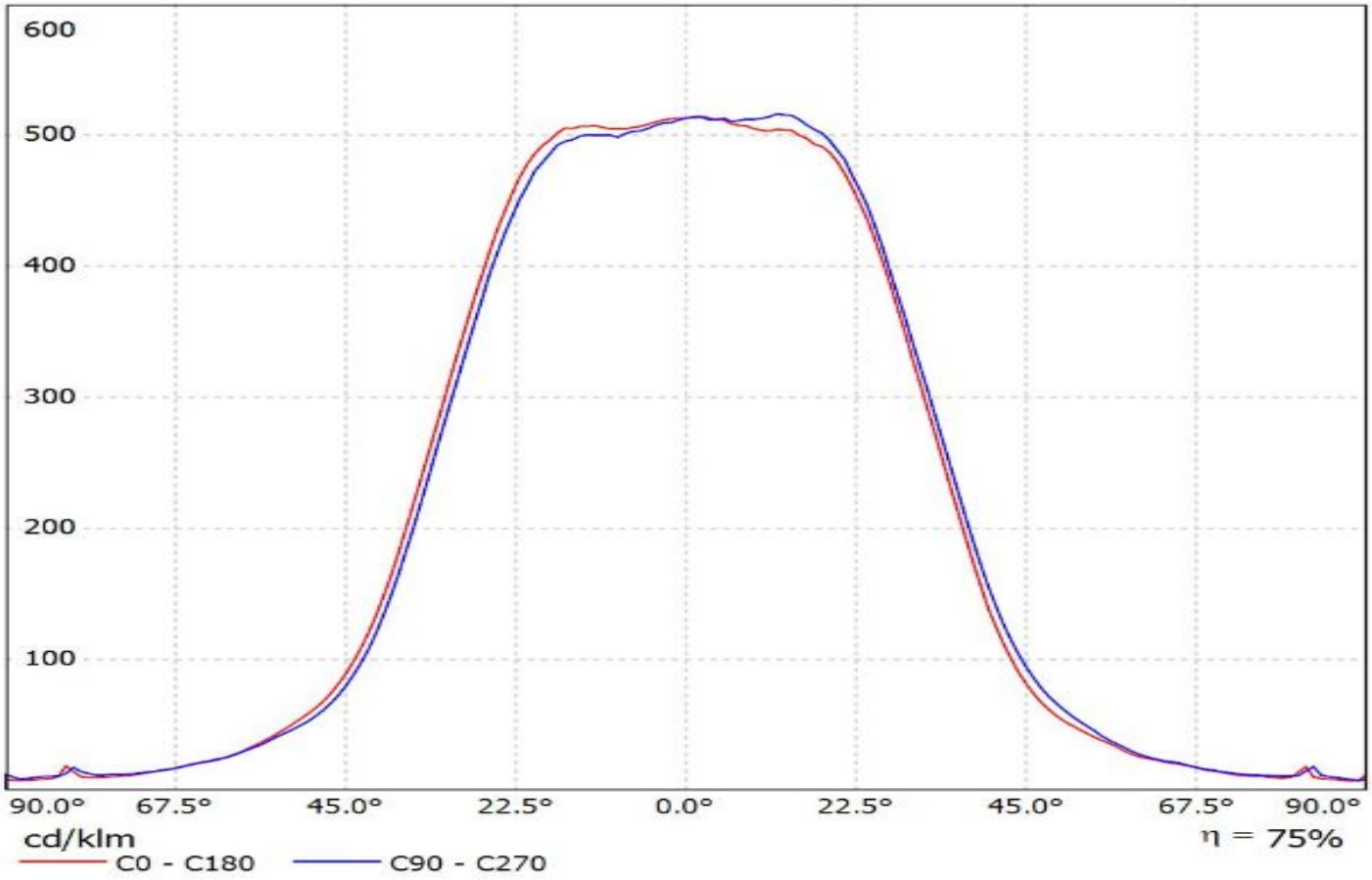
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(H70E0)
Lamps: 1 x LG_H70E0_1790.78lm@250mA_P=11.2987W_I=0.250A



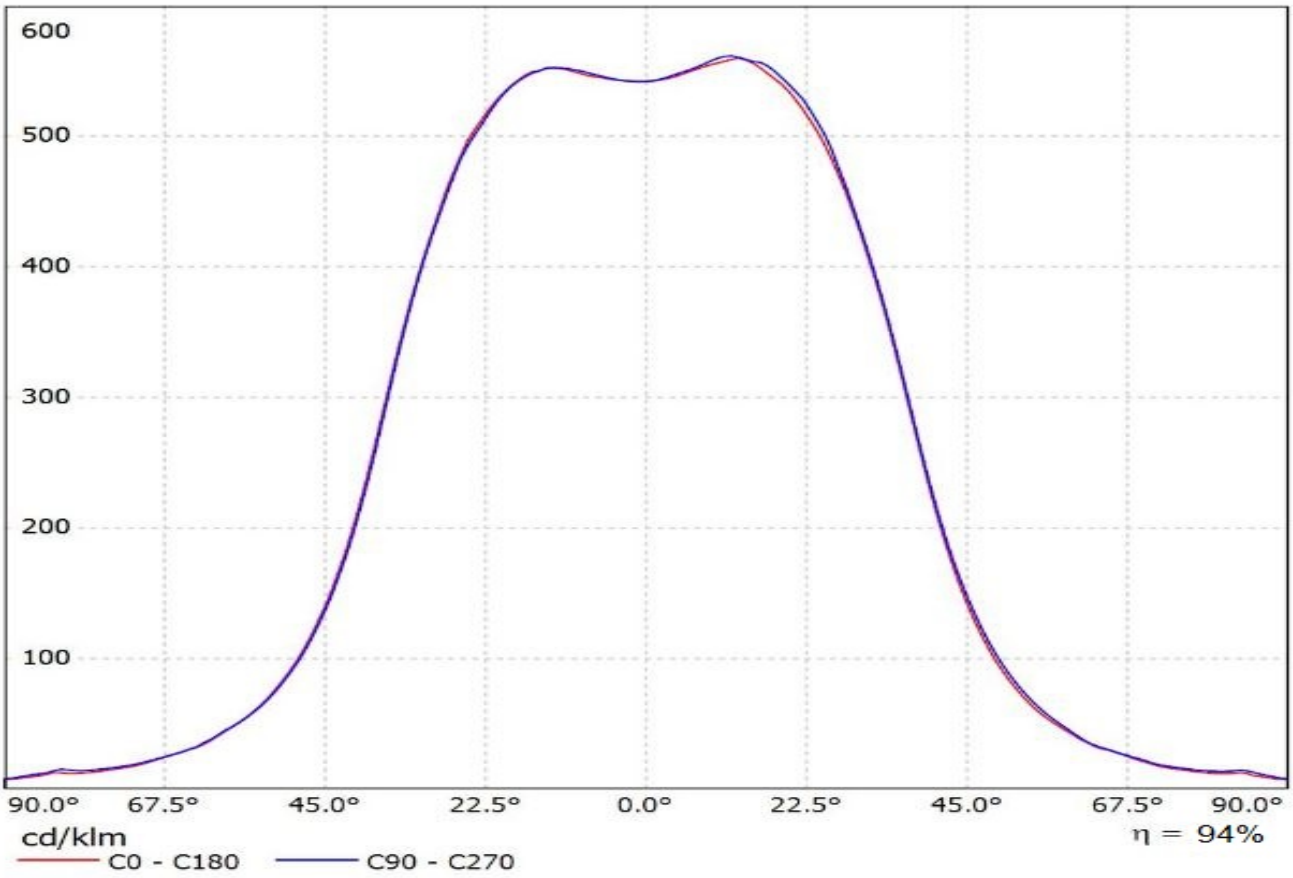
Luminaire: Ledil CS14839_HB-2X2MX-WWW_(LUXEON_M)
Lamps: 1 x LUXEON_M_2X2_(LXM8-SW30)_1445.21lm@250mA_P=11.117W_I=0.25A



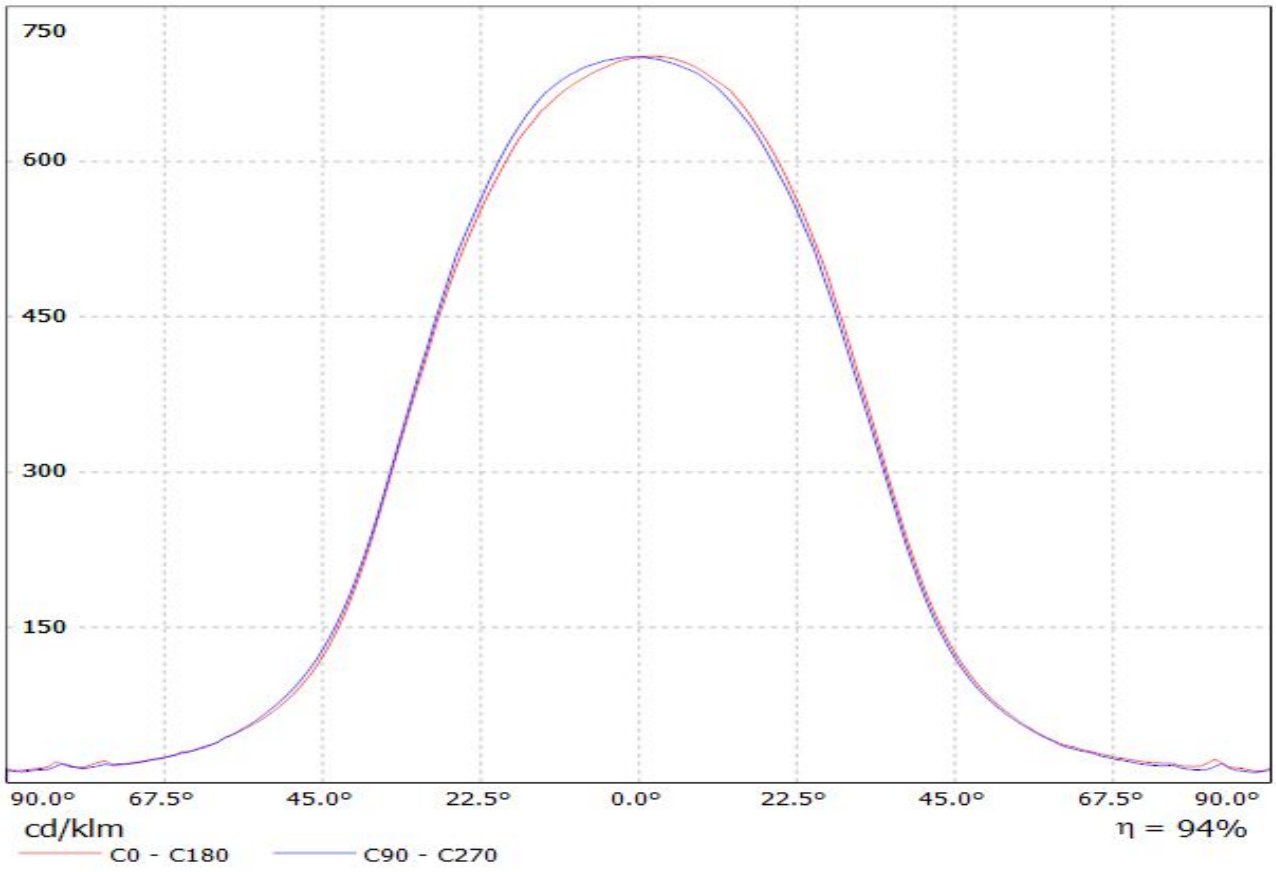
Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_MZ)
Lamps: 1 x LUXEON_MZ_2X2_(LMZ9-SW30)_1377.64lm@250mA_CCT=3000K_P=11.05W_I=0.25A



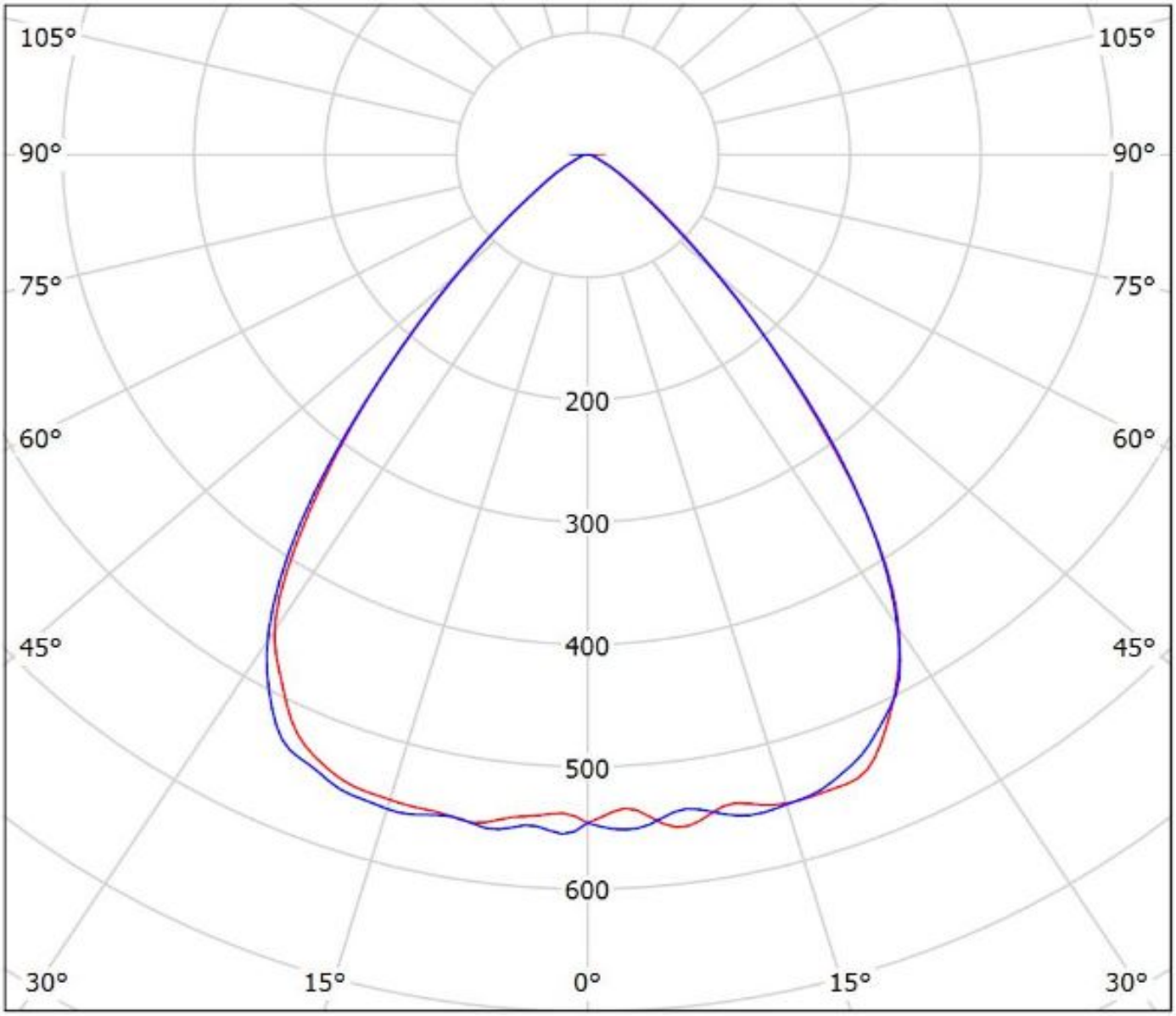
Luminaire: Ledil CS14839_2X2MX-WWW_(LUXEON_XR-M)
Lamps: 1 x LUXEON_XR-M_SQUARE_2X2_(L2M0-577004MC2200)_1804.92lm@250mA_P=10.9345W_I=0.25A



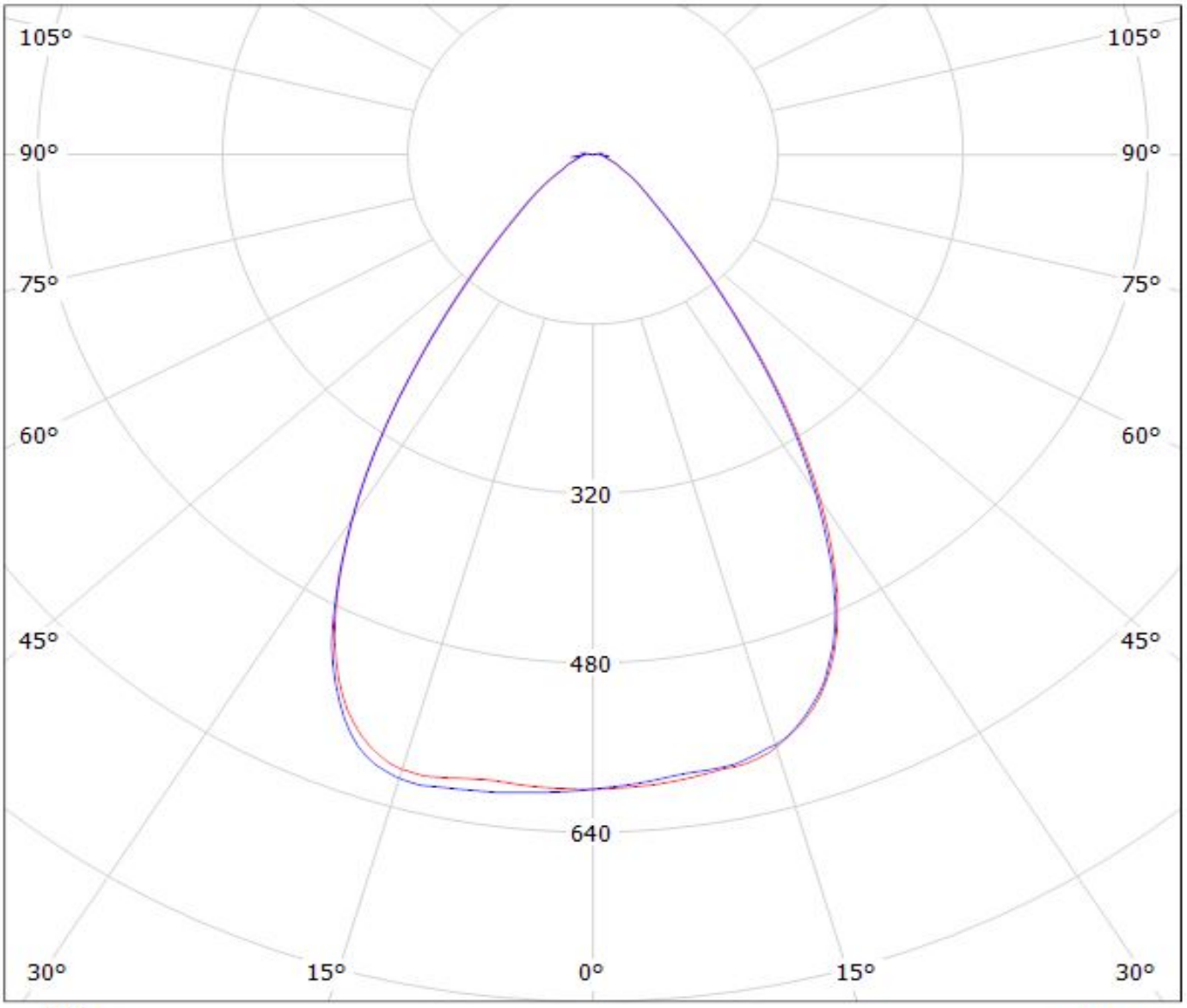
Luminaire: LEDiL Oy CS14839_HB-2X2MX-WWW_(Duris_S10)
Lamps: 1 x Osram_Duris_S10_1454.14lm@100mA_P=10.018W_I=0.100A



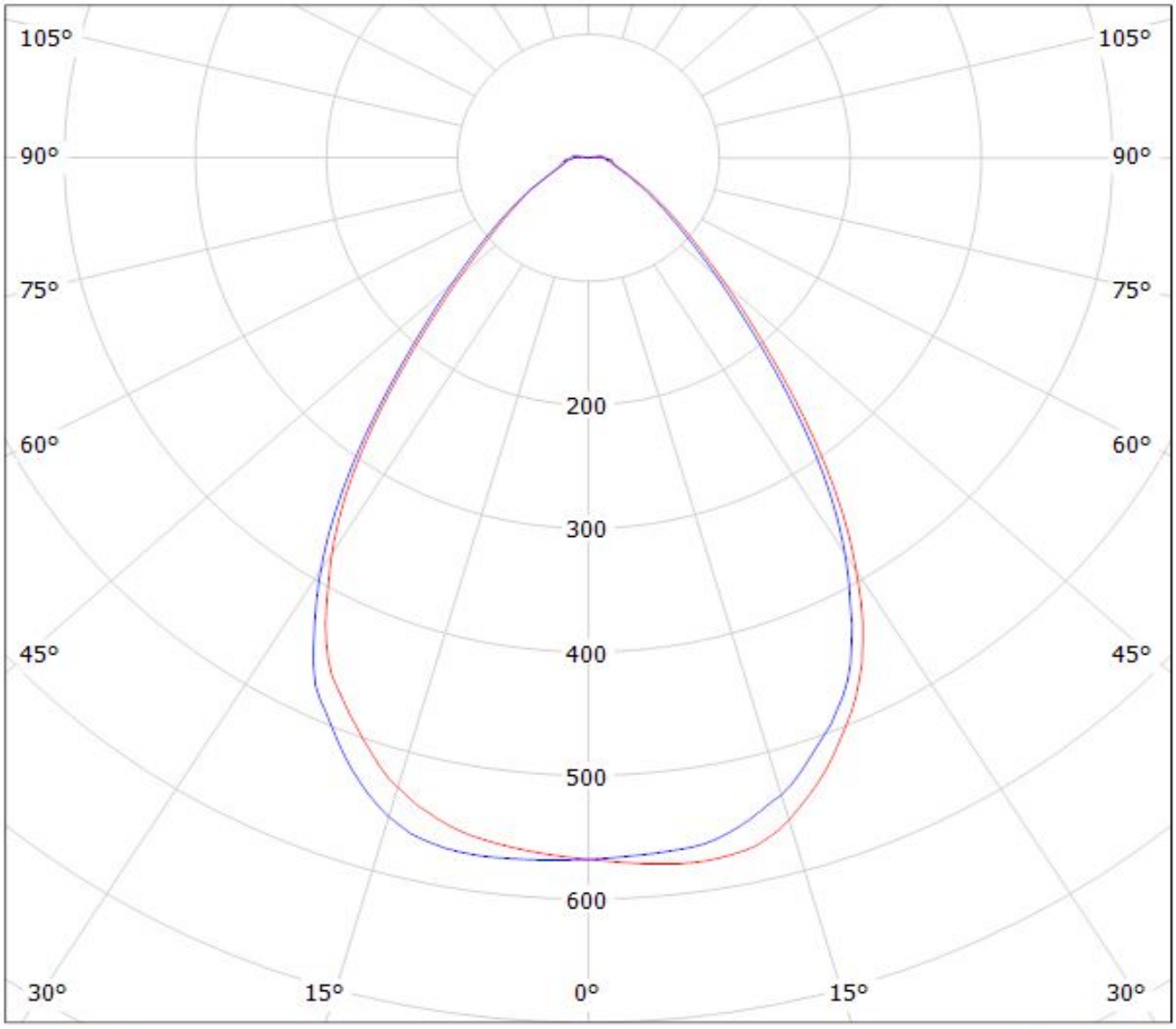
Luminaire: Ledil Oy CS14839_HB-2X2MX-WWW_BRIDGELUX_SMD_5050_SIMULATED
Lamps: 1 x BRIDGELUX SMD 5050



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

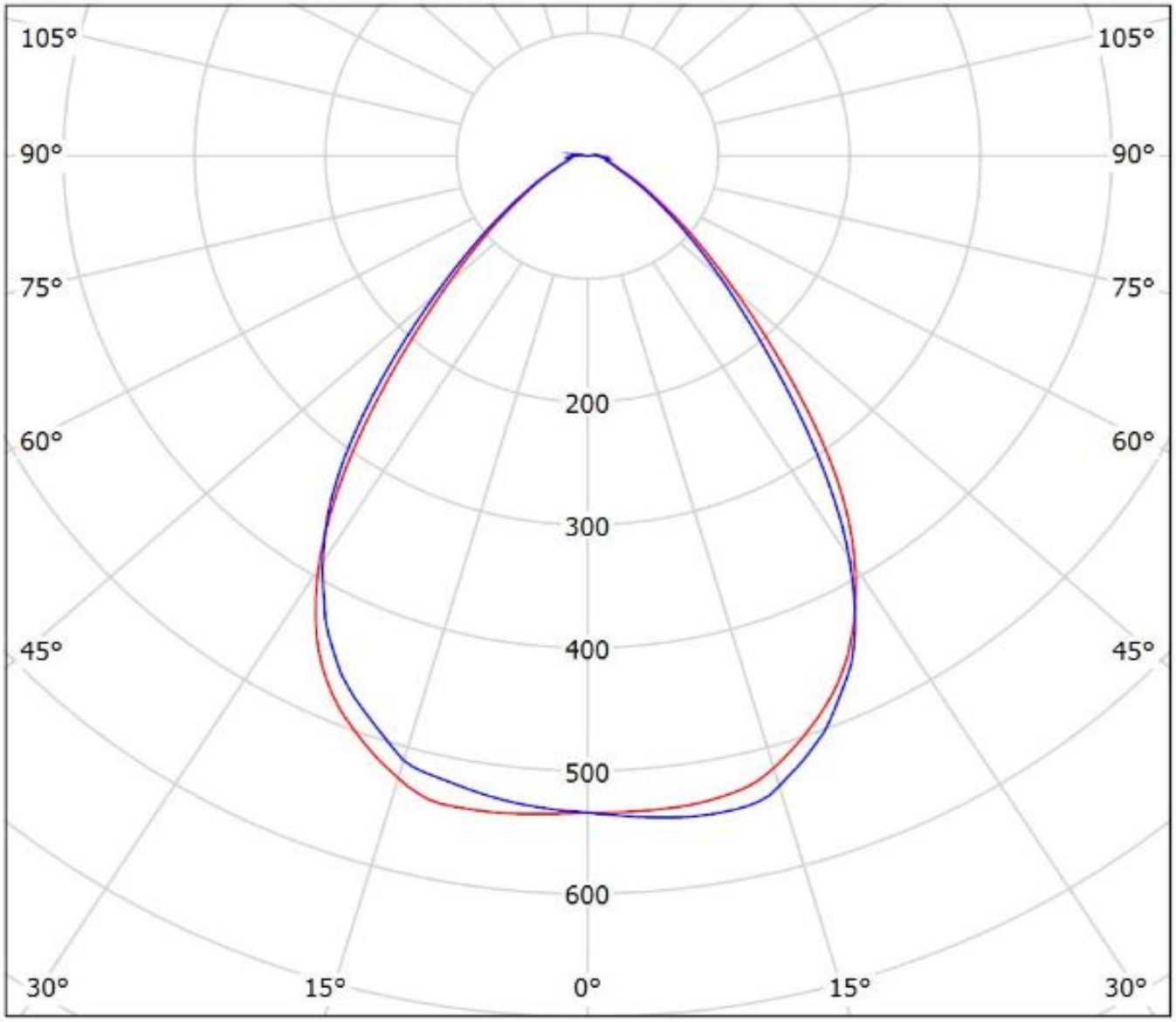


cd/klm

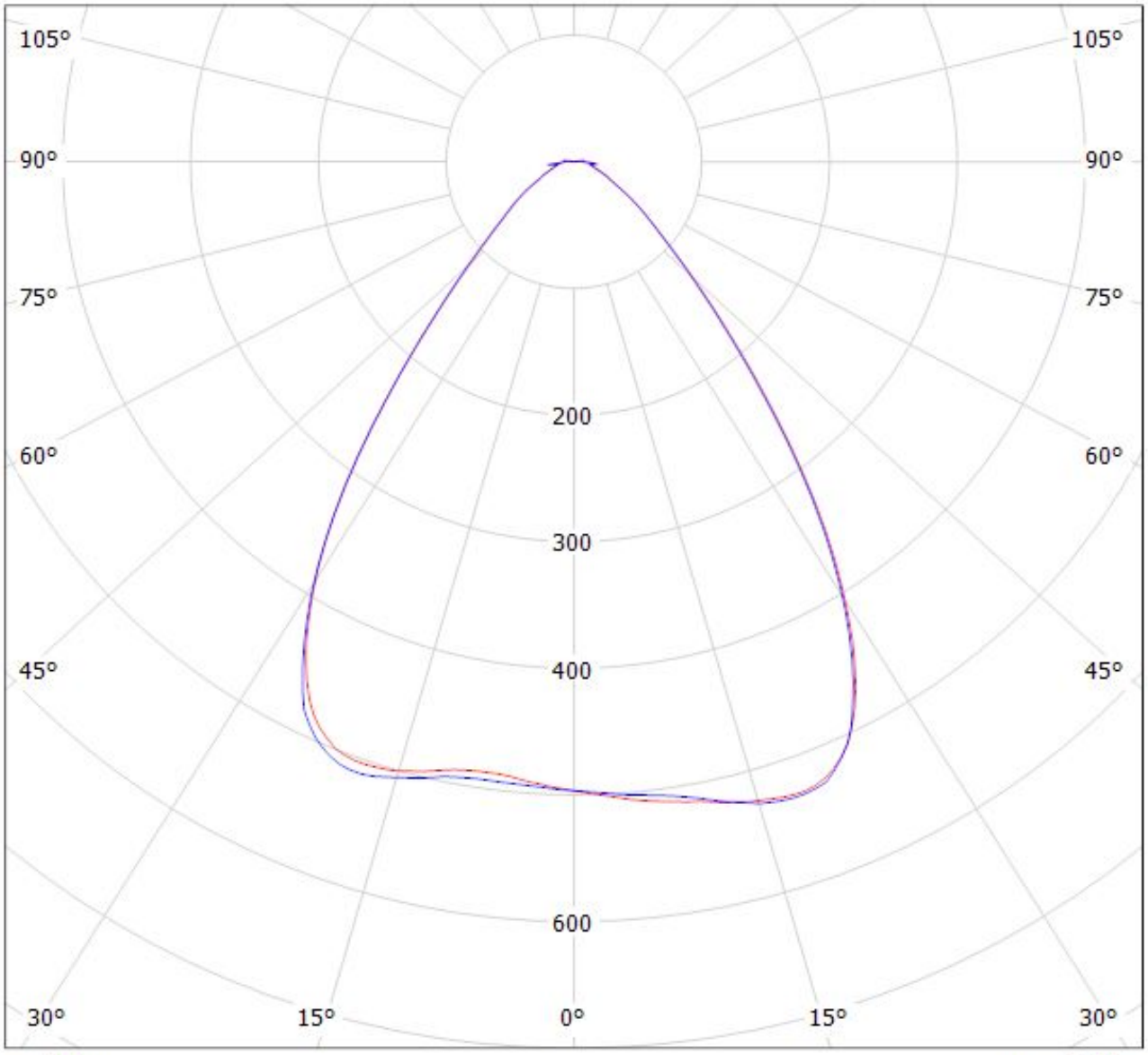
η = 94%

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



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

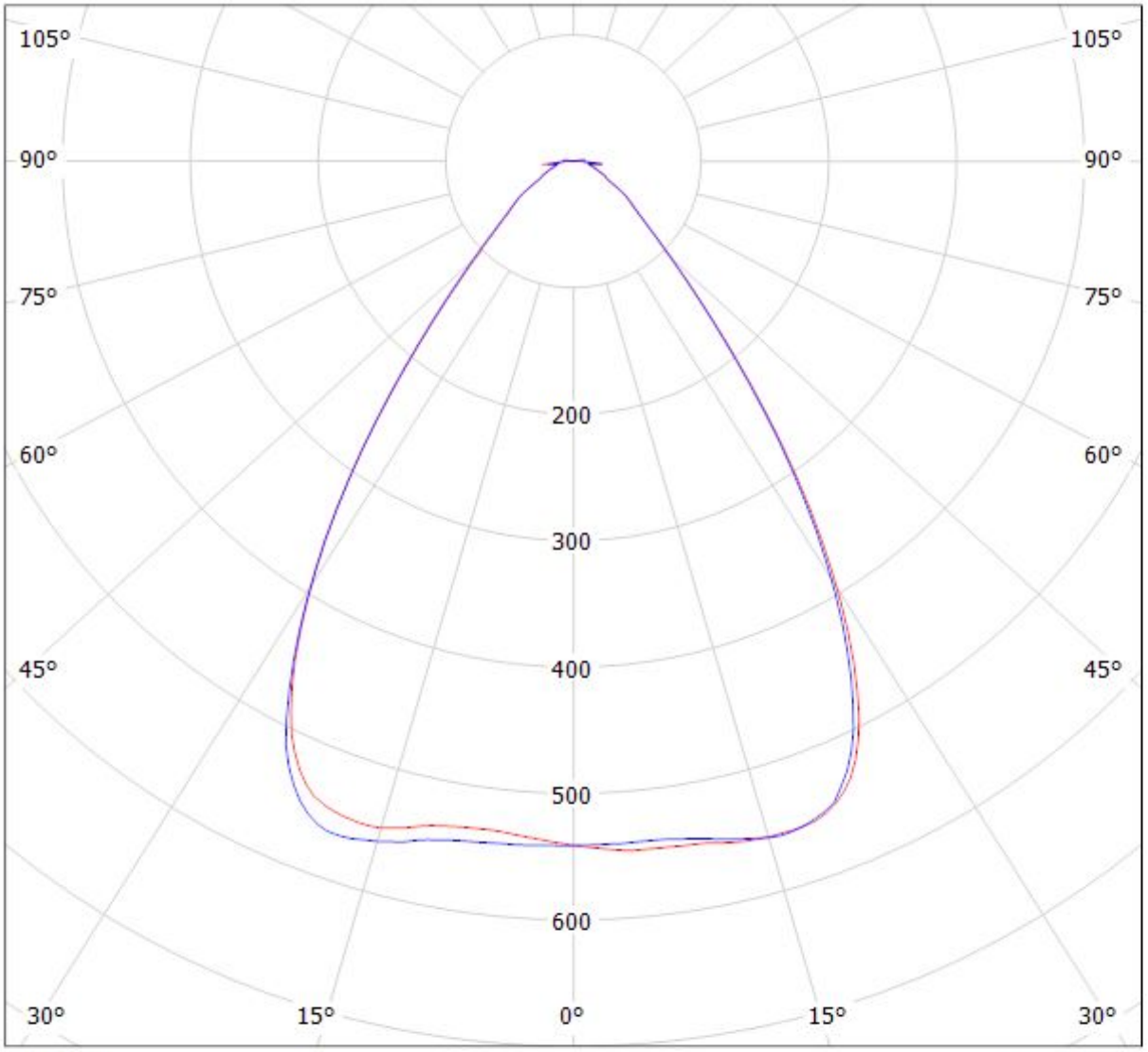


cd/klm

η = 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

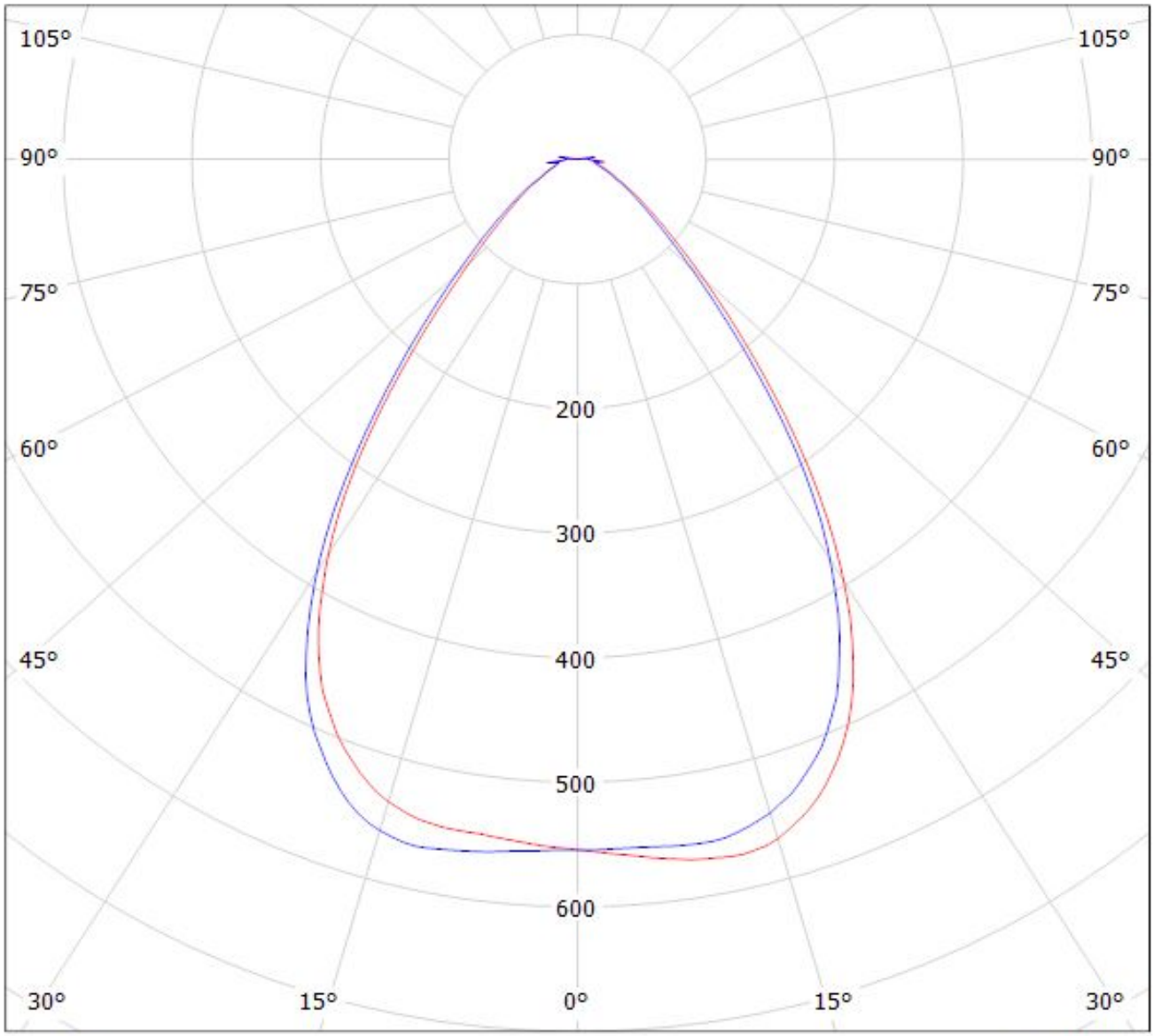


cd/klm

η = 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

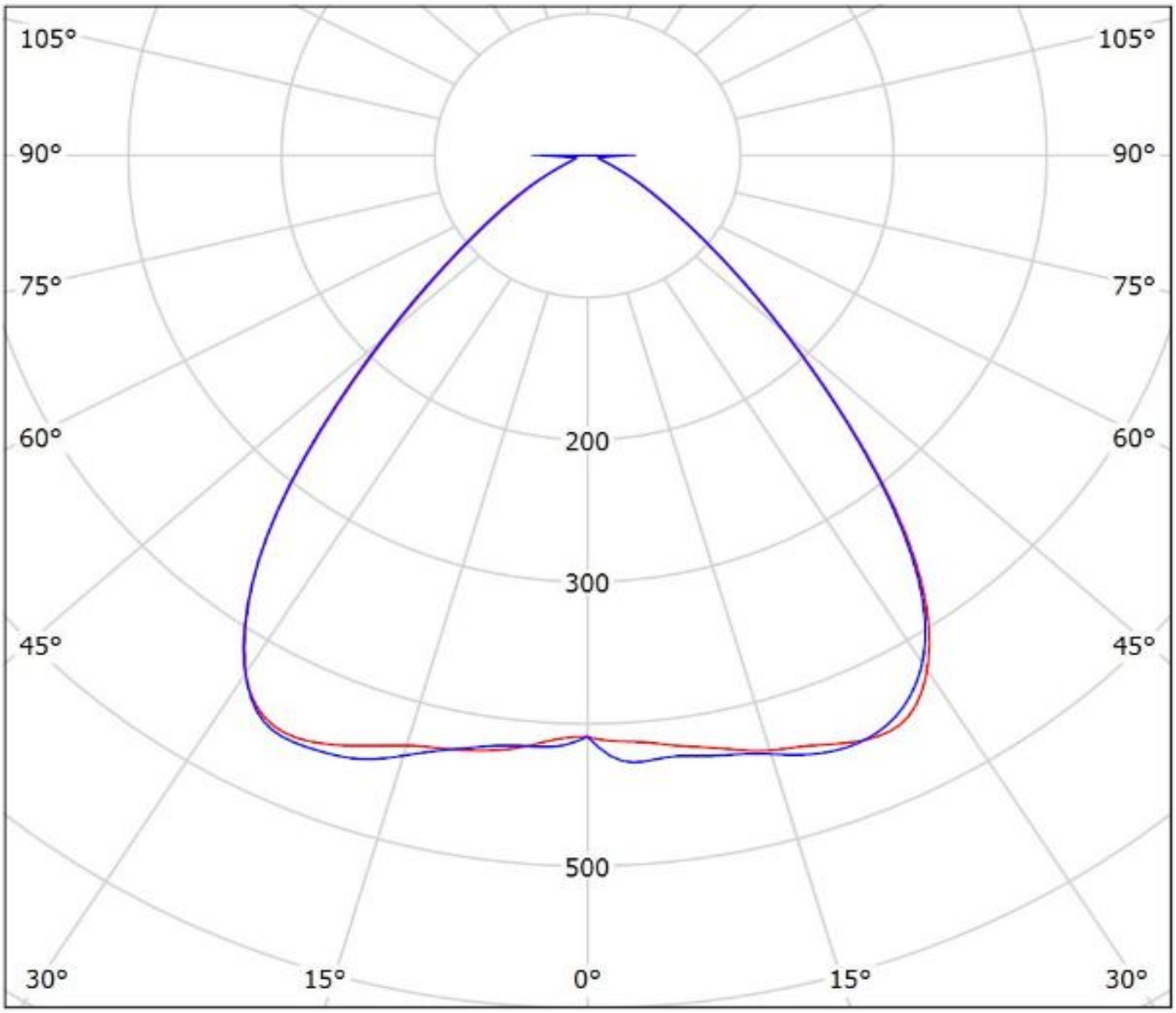


cd/klm

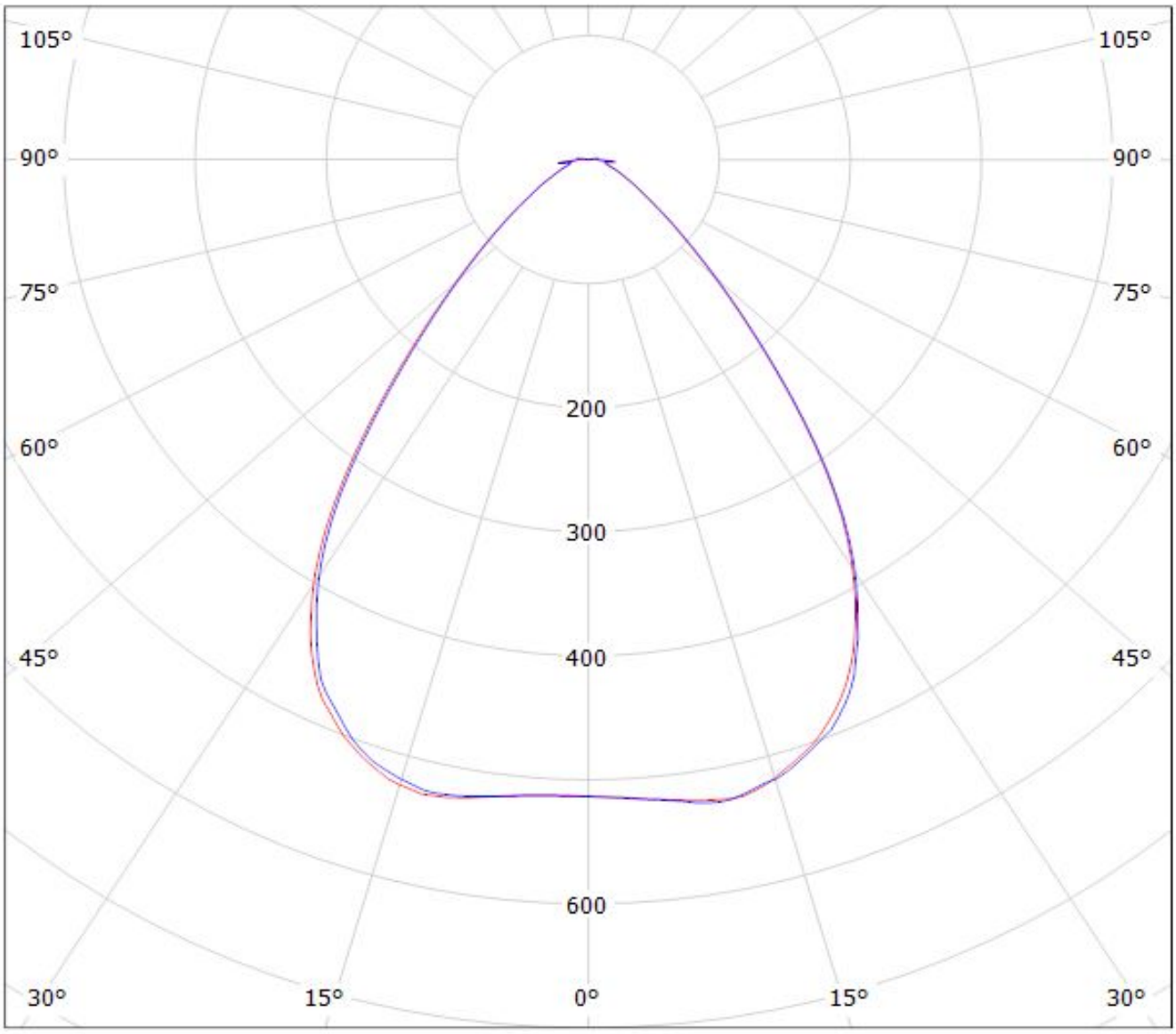
η = 93%

C0 - C180 C90 - C270

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

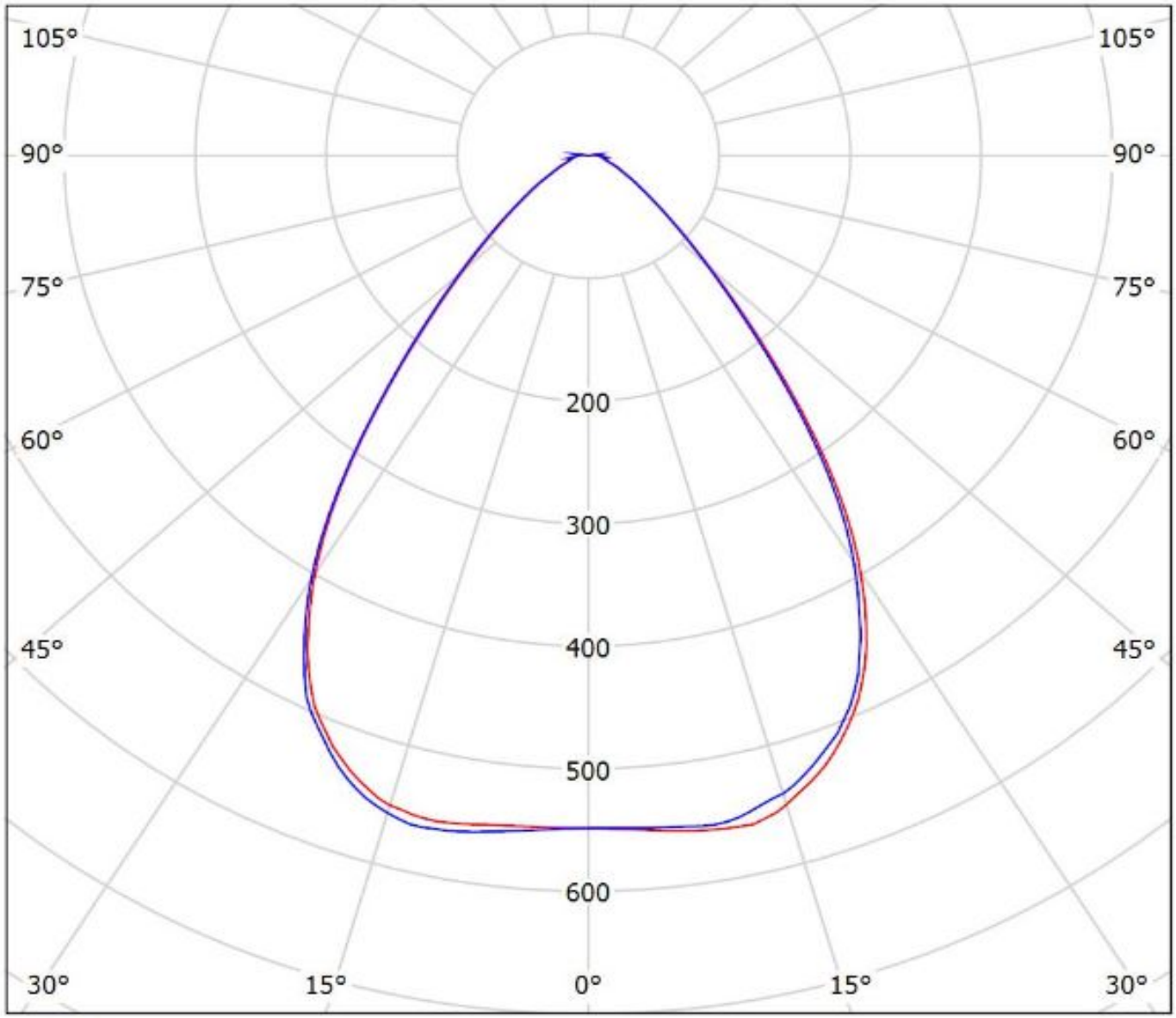


cd/klm

η = 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

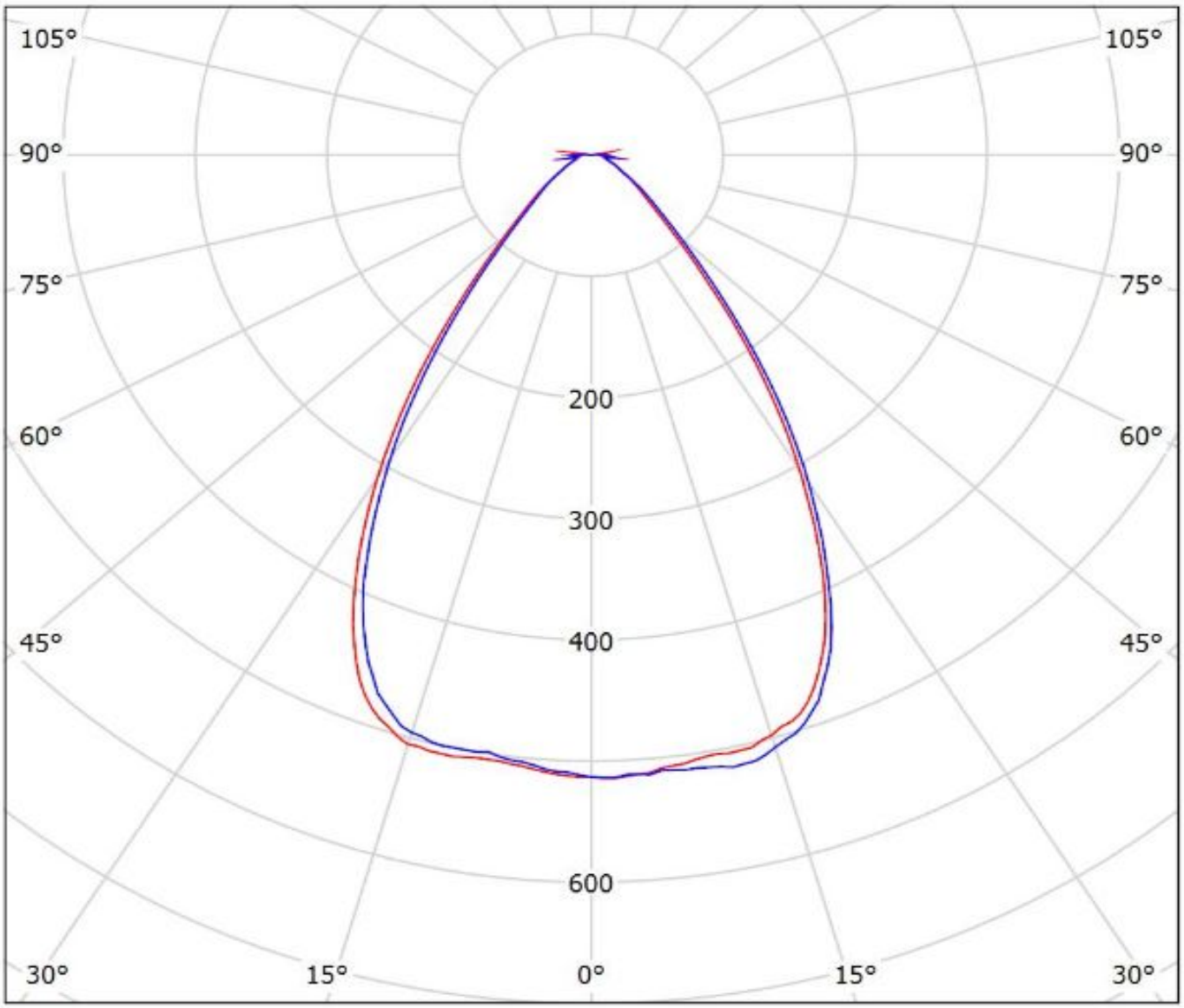


cd/klm

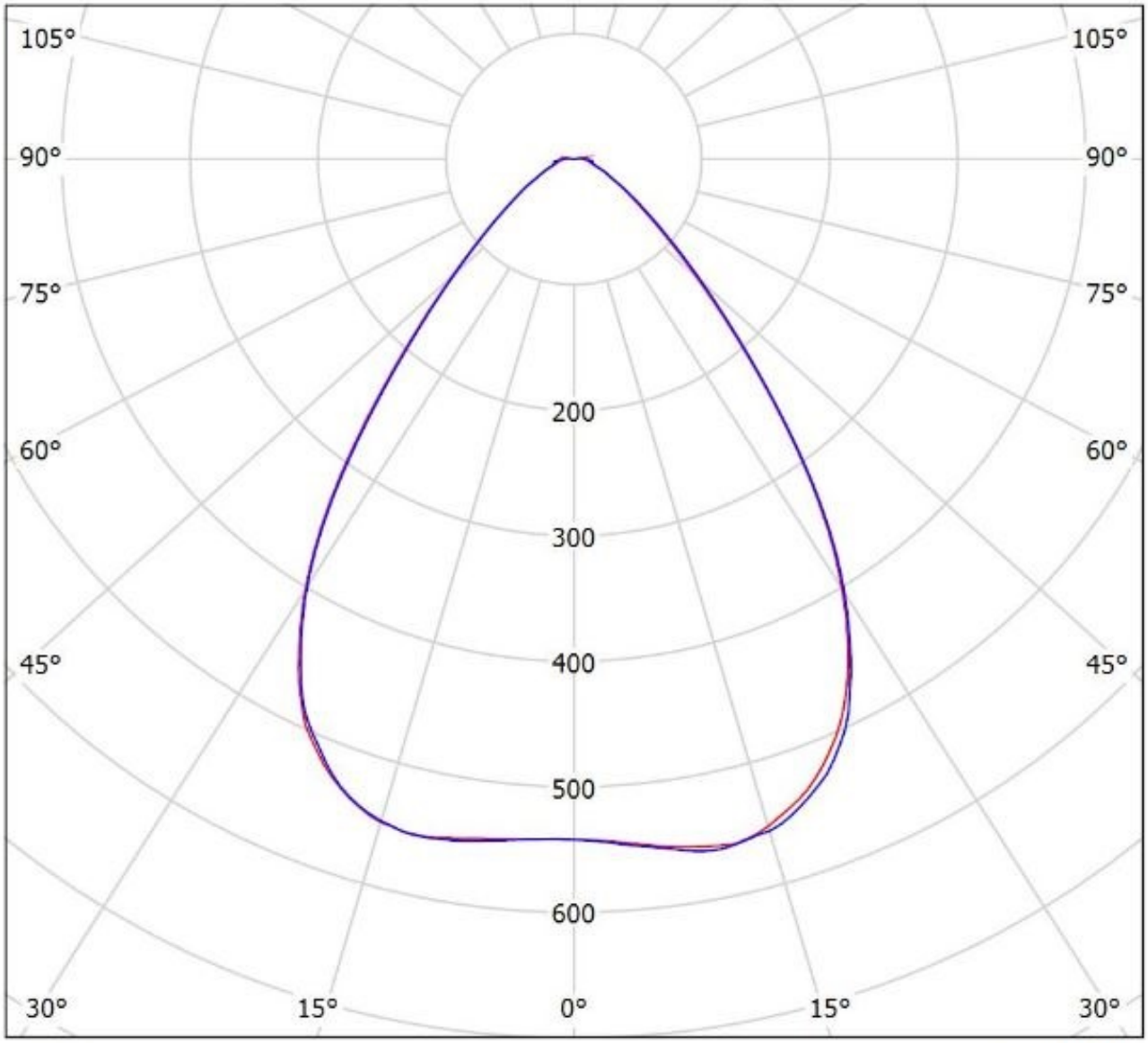
η = 93%

C0 - C180 C90 - C270

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

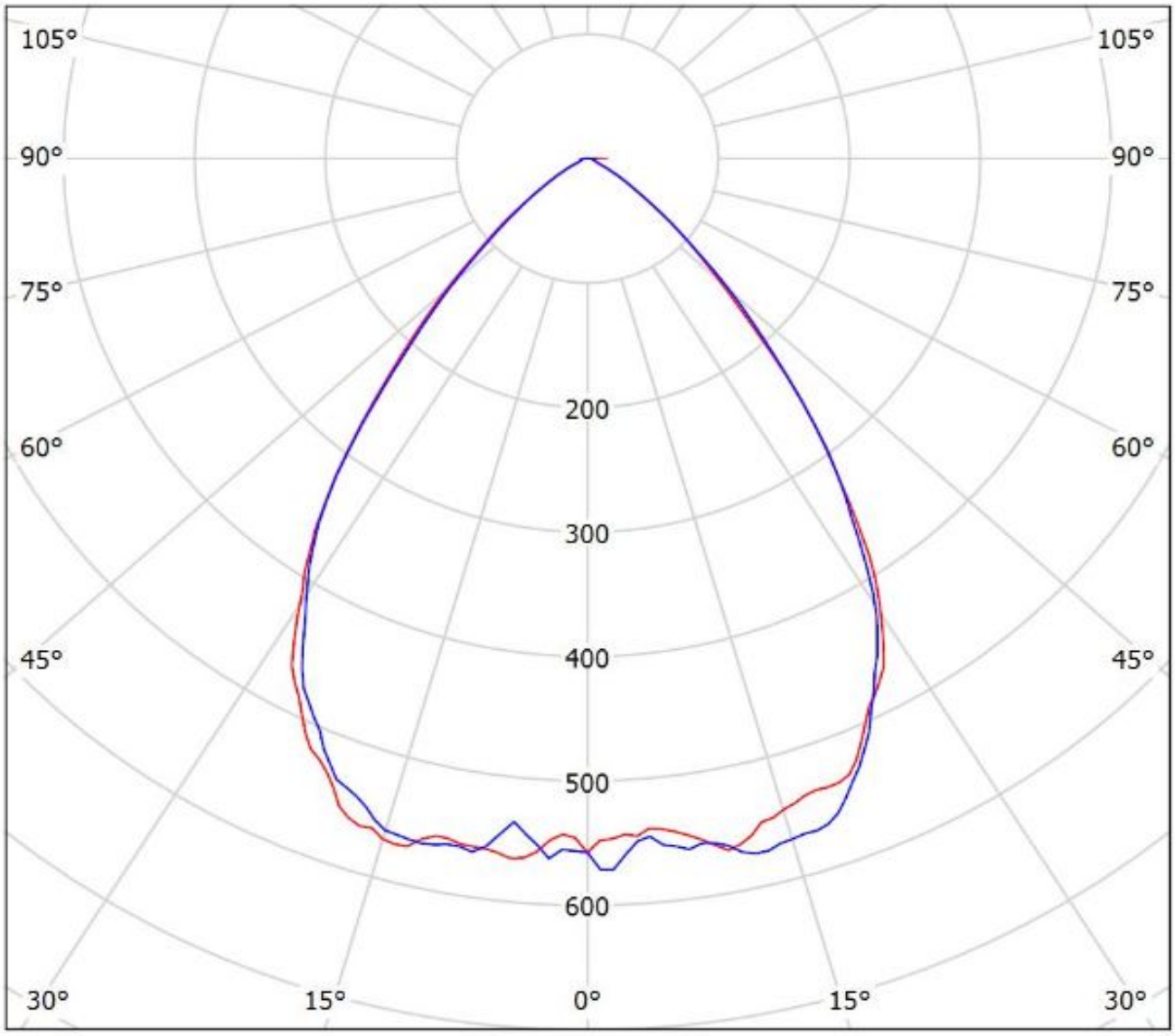


cd/klm

η = 94%

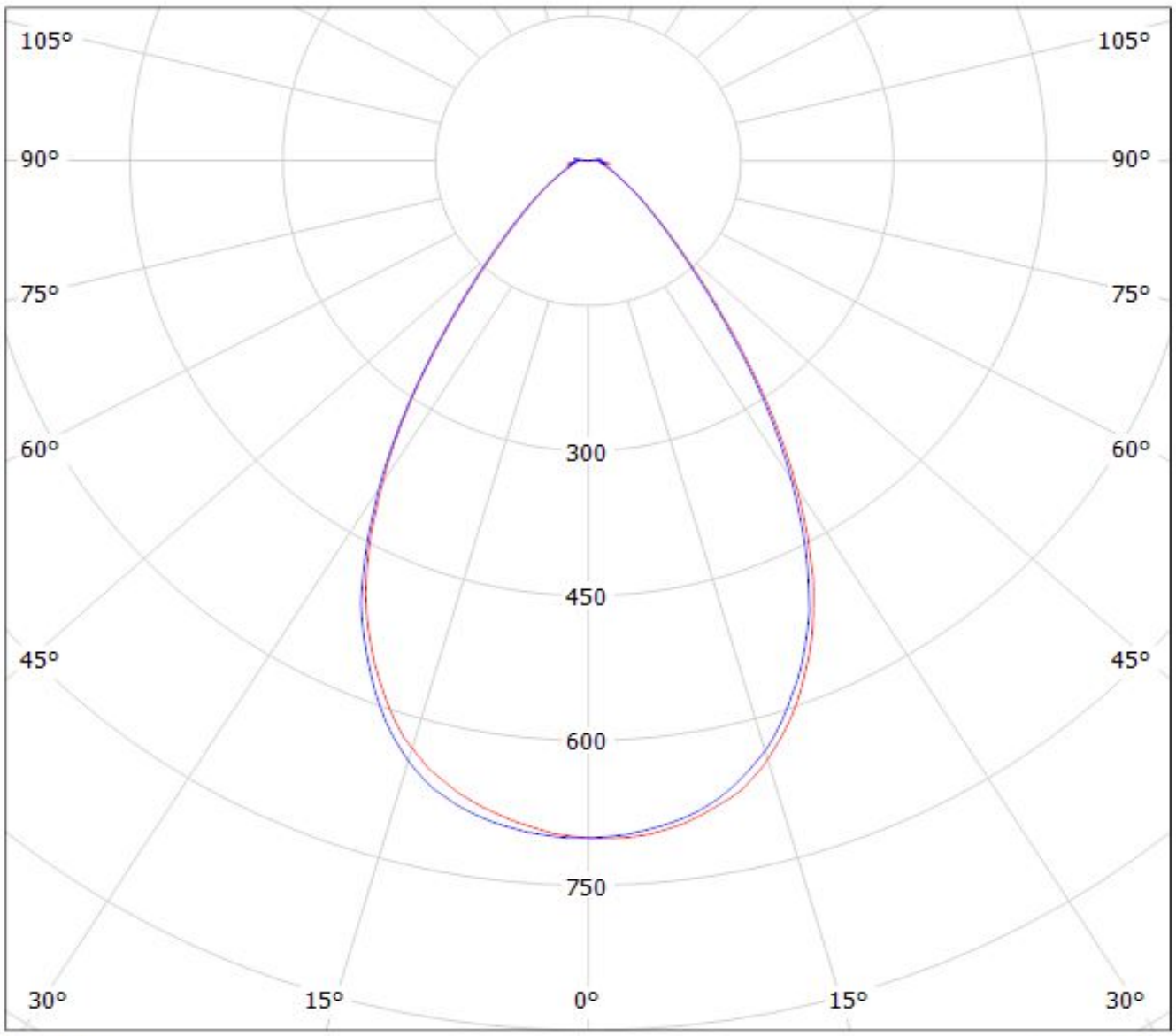
C0 - C180 C90 - C270

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



cd/klm
η = 94%
C0 - C180
C90 - C270

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



cd/klm

η = 94%

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.