

DETAILS

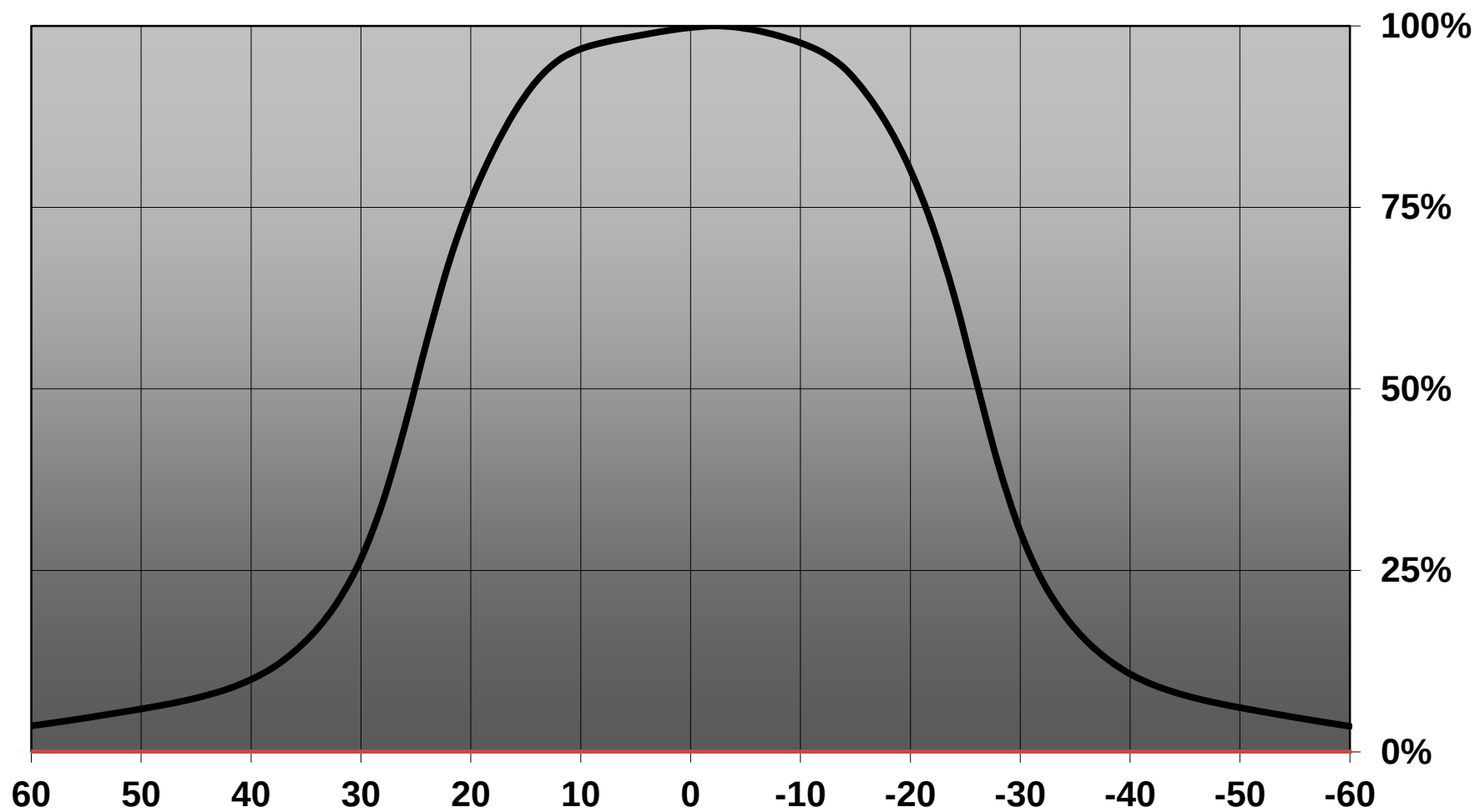
Product Number	C12361_HB-2X2-W
Family	High Bay
Type	Lens array
Color	clear
Diameter	50x50 mm
Height	8.5 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	screw, pin, glue
Status	ready
ROHS Compliant	Yes
Date Updated	25/06/2014

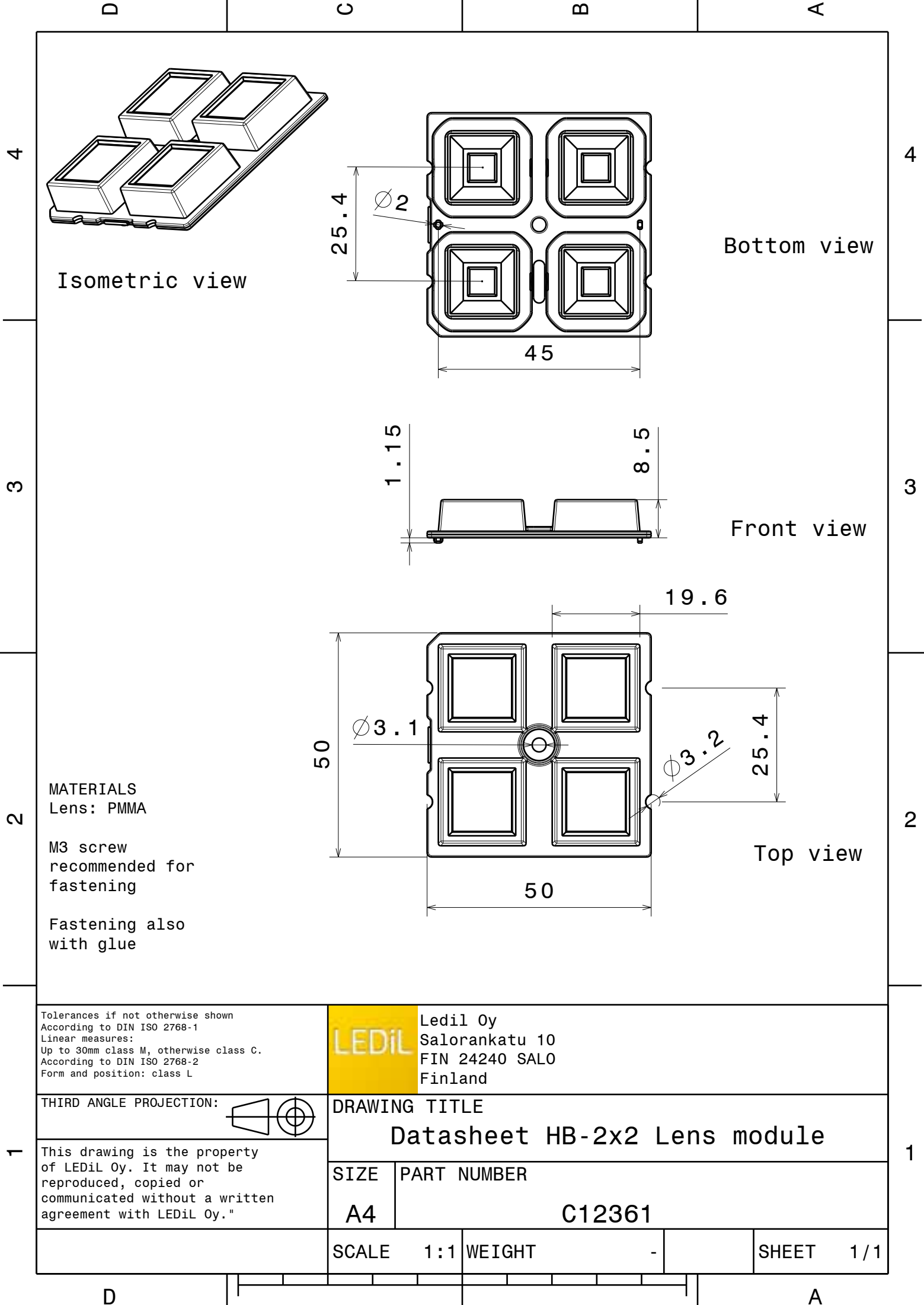


OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
LUXEON MZ	sim: 50	HighBay	sim: 85 %	sim: 1.100	-
LUXEON H50-2	sim: 52	HighBay	sim: 91 %	sim: 4.700	-
LUXEON A	sim: 52	HighBay	-	-	-
XP-E-HEW	sim:	HighBay	-	-	-
XP-E	sim: 50	HighBay	-	-	-
LUXEON Rebel	sim: 52	HighBay	-	-	-
NVSxx19A	sim: 50	HighBay	-	-	-
Oslo SSL 80	43 deg	HighBay	89 %	1.260	-
LUXEON Z ES	46 deg	HighBay	87 %	1.180	-
Z5	48 deg	HighBay	88 %	1.000	-
XB-D	48 deg	HighBay	86 %	0.960	-
NCSxx19A	48 deg	HighBay	85 %	1.100	-
LH351A(3535)	49 deg	HighBay	89 %	1.000	-
LUXEON TX	50 deg	HighBay	88 %	1.000	-
LUXEON Q	50 deg	HighBay	86 %	0.900	-
NCSxx19B	50 deg	HighBay	85 %	1.000	-
LH351Z	50 deg	HighBay	87 %	1.000	-
XT-E	50 deg	HighBay	87 %	0.970	-
XP-G2	51 deg	HighBay	88 %	0.900	-
Z5M1	51 deg	HighBay	85 %	1.000	-
NVSxx19B	51 deg	HighBay	85 %	0.960	-
LUXEON Rebel ES	51 deg	HighBay	87 %	0.940	-
XP-G	52 deg	HighBay	88 %	0.920	-
LH351B	52 deg	HighBay	88 %	0.940	-
H35C1 (LEMWA33)	53 deg	HighBay	86 %	1.000	-

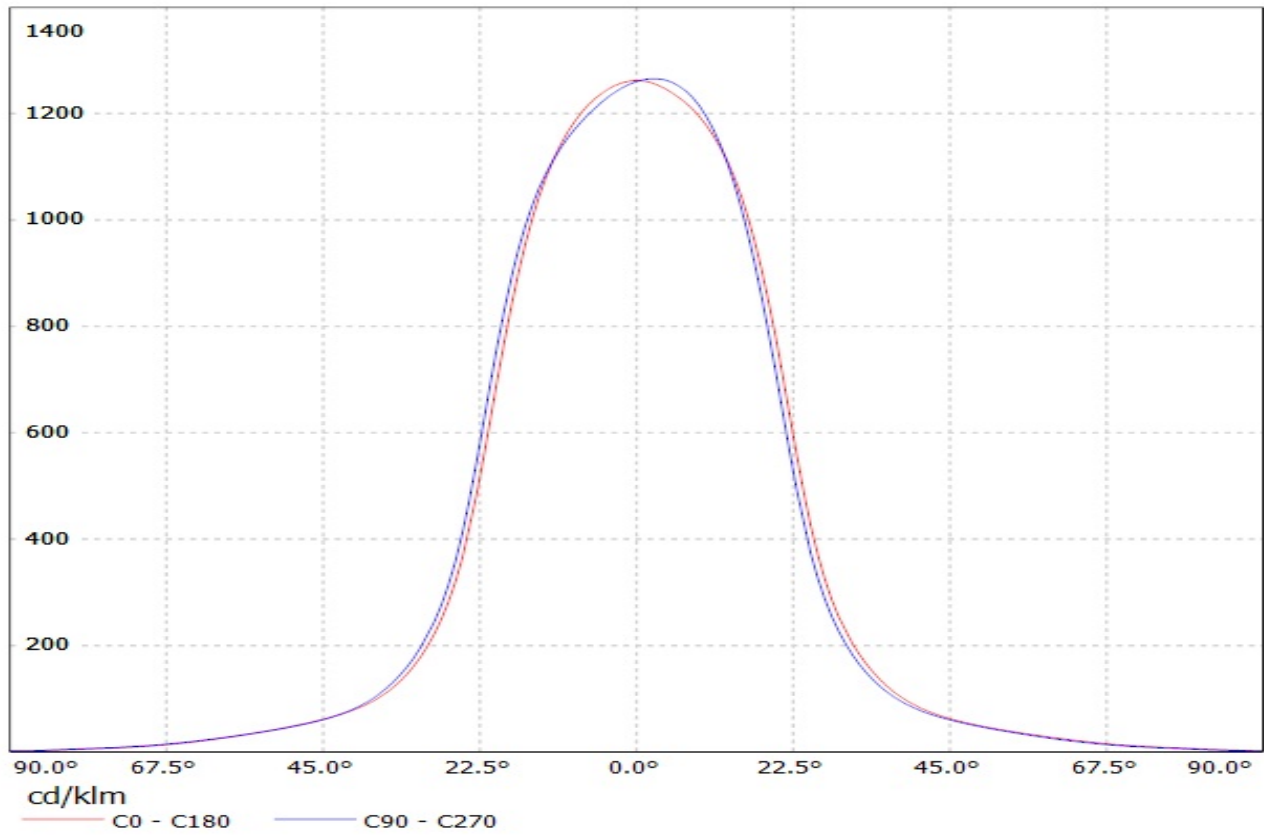
Relative intensity of C12361_HB-2X2-W-(XPG2)



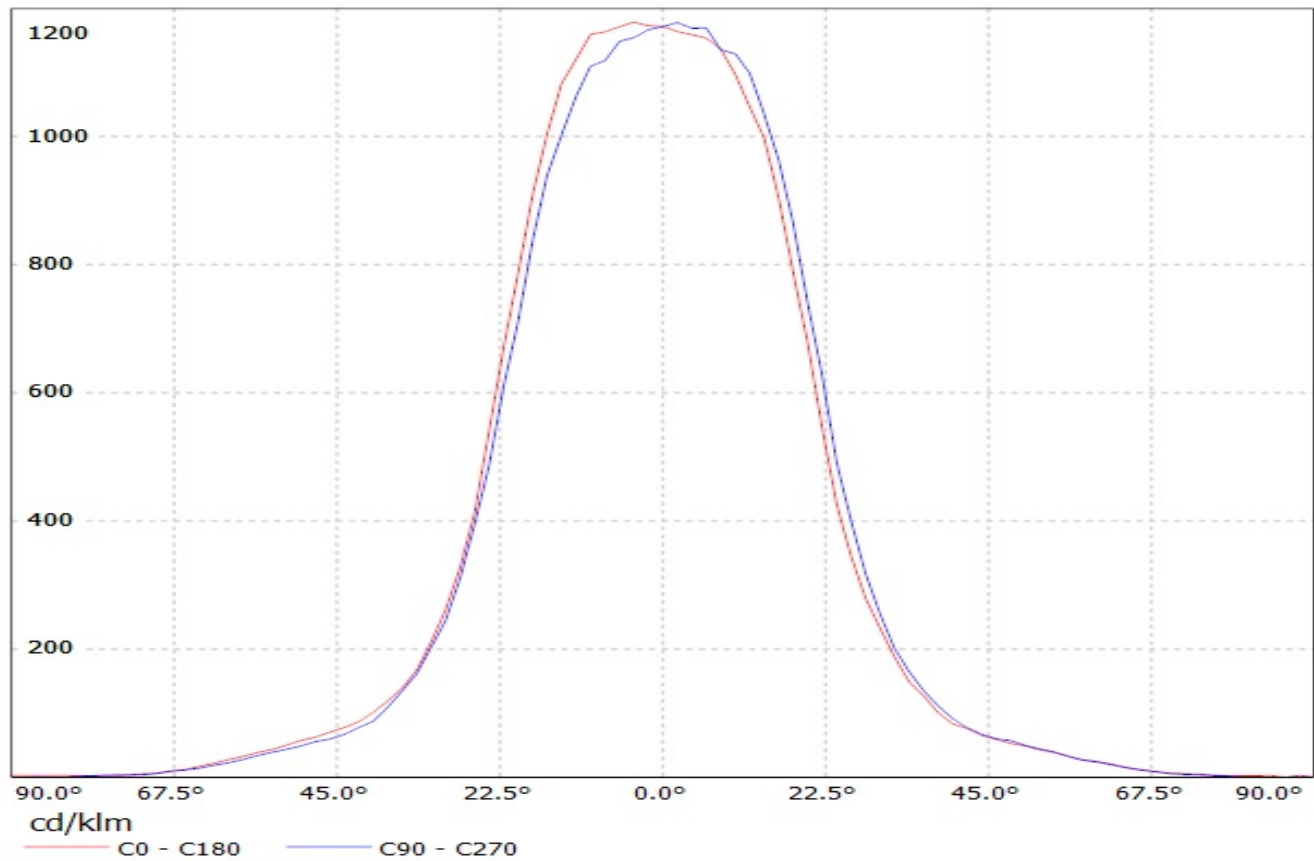


Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland			
THIRD ANGLE PROJECTION: 		DRAWING TITLE Datasheet HB-2x2 Lens module			
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."		SIZE	PART NUMBER		
		A4	C12361		
		SCALE	1:1	WEIGHT	-
				SHEET	1 / 1

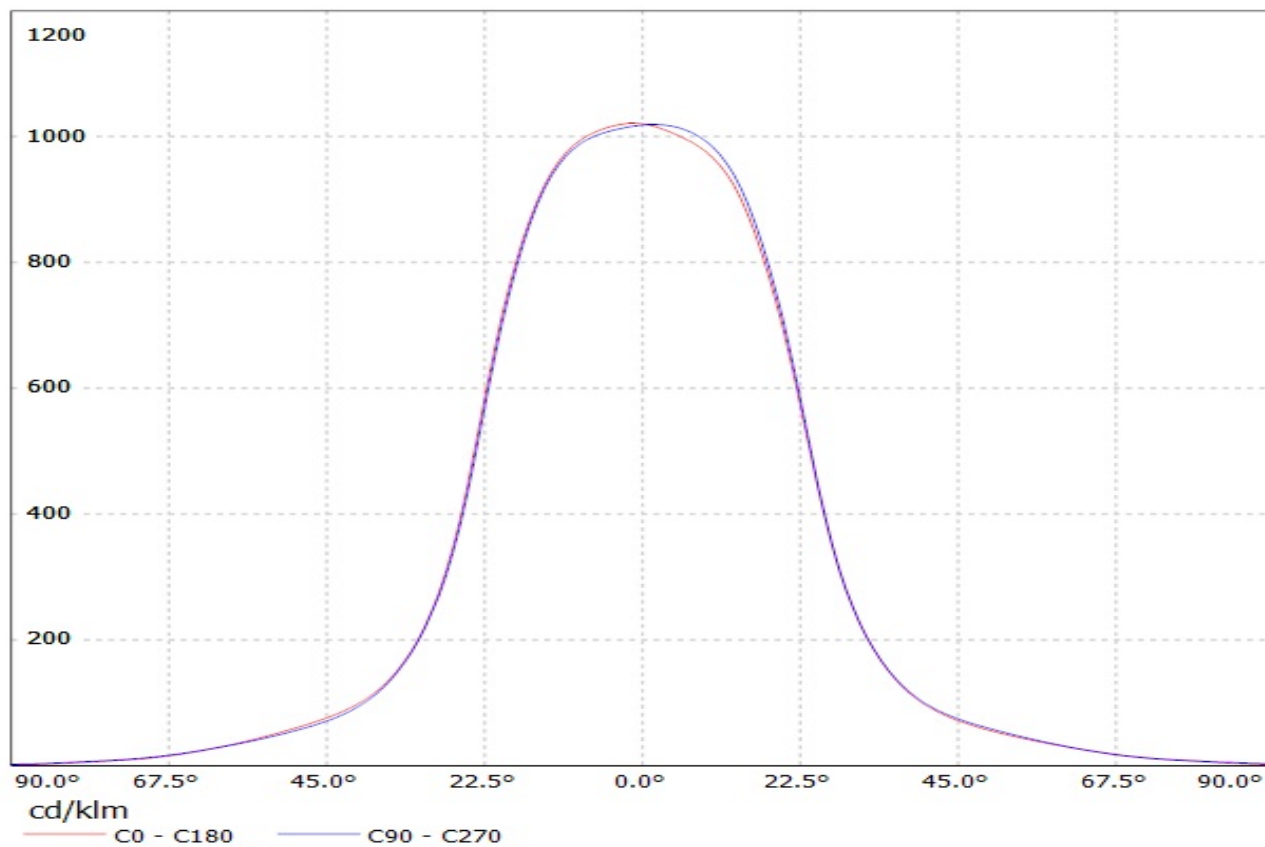
Luminaire: LEDIL OY C12361_HB-2X2 (SSL80) Efficiency=89%
Lamps: 1 x Osram SSL80 (340lm @ 250mA)



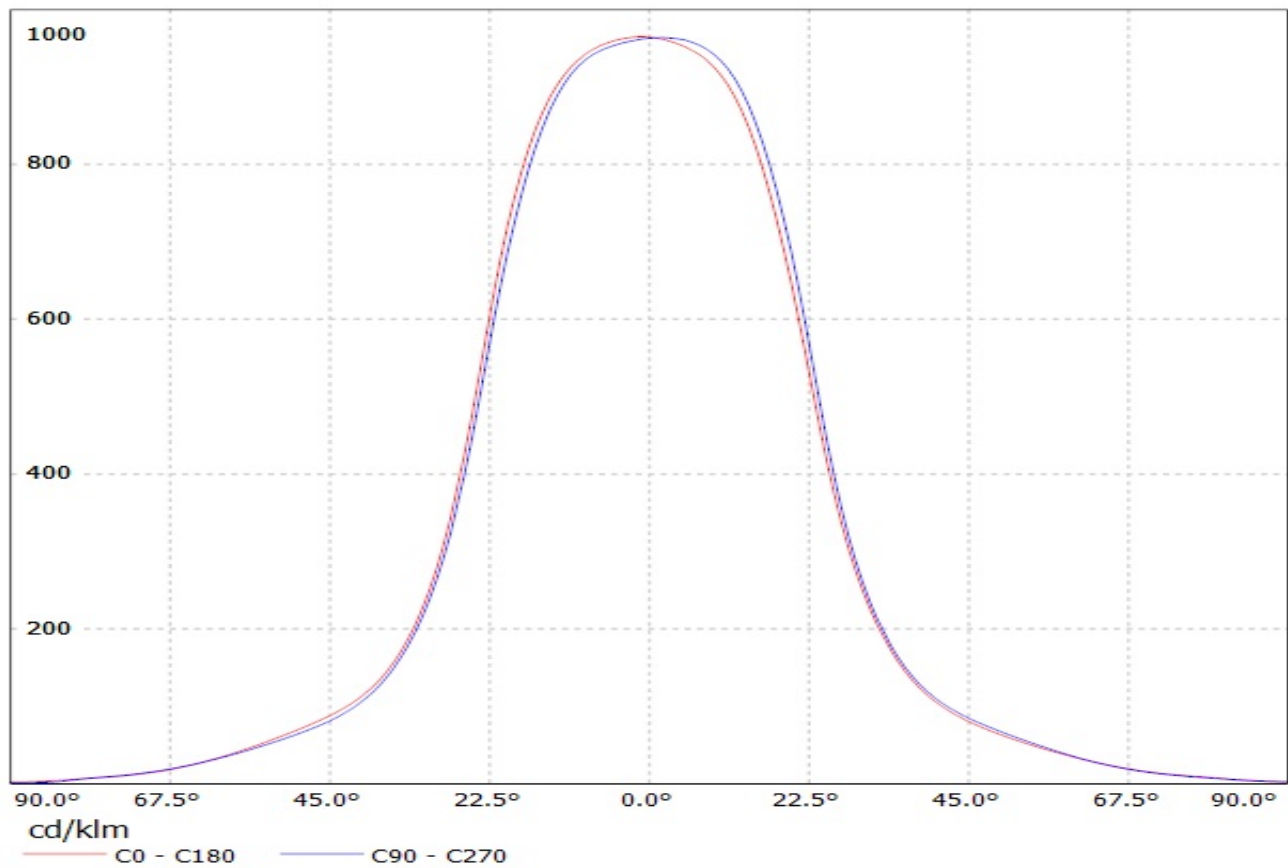
Luminaire: Ledil Oy C12361_HB-2X2-W_(Luxeon_Z_ES) Efficiency=87%
Lamps: 1 x Luxeon Z ES 2x2 (LXZ2-3090) 209lm @ 250mA CCT=3000K P=2.8W I=250mA



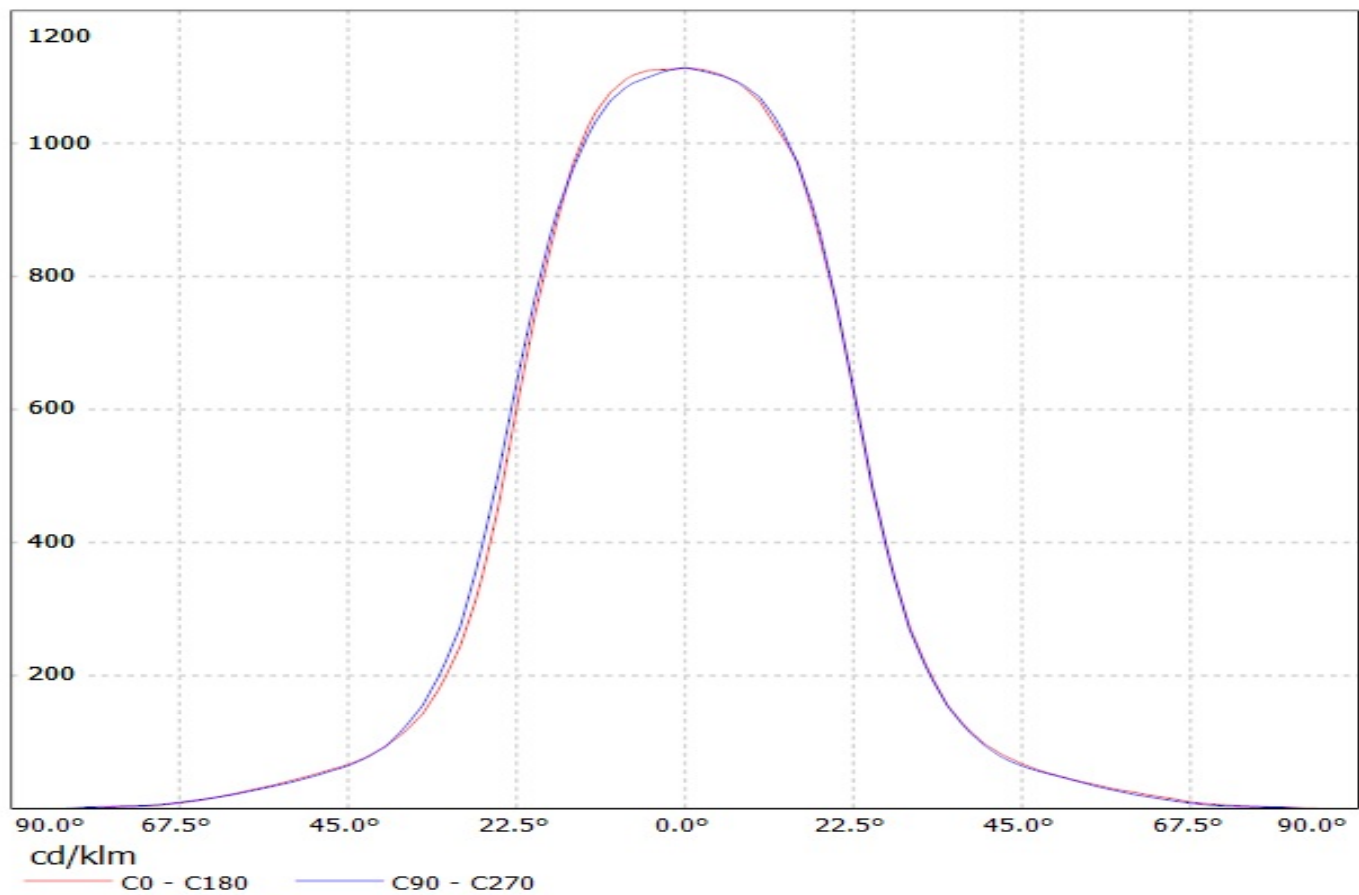
Luminaire: LEDIL OY C12361_HB-2X2 (Z5) Efficiency=88%
Lamps: 1 x Seoul Z5 (290lm @ 250mA)



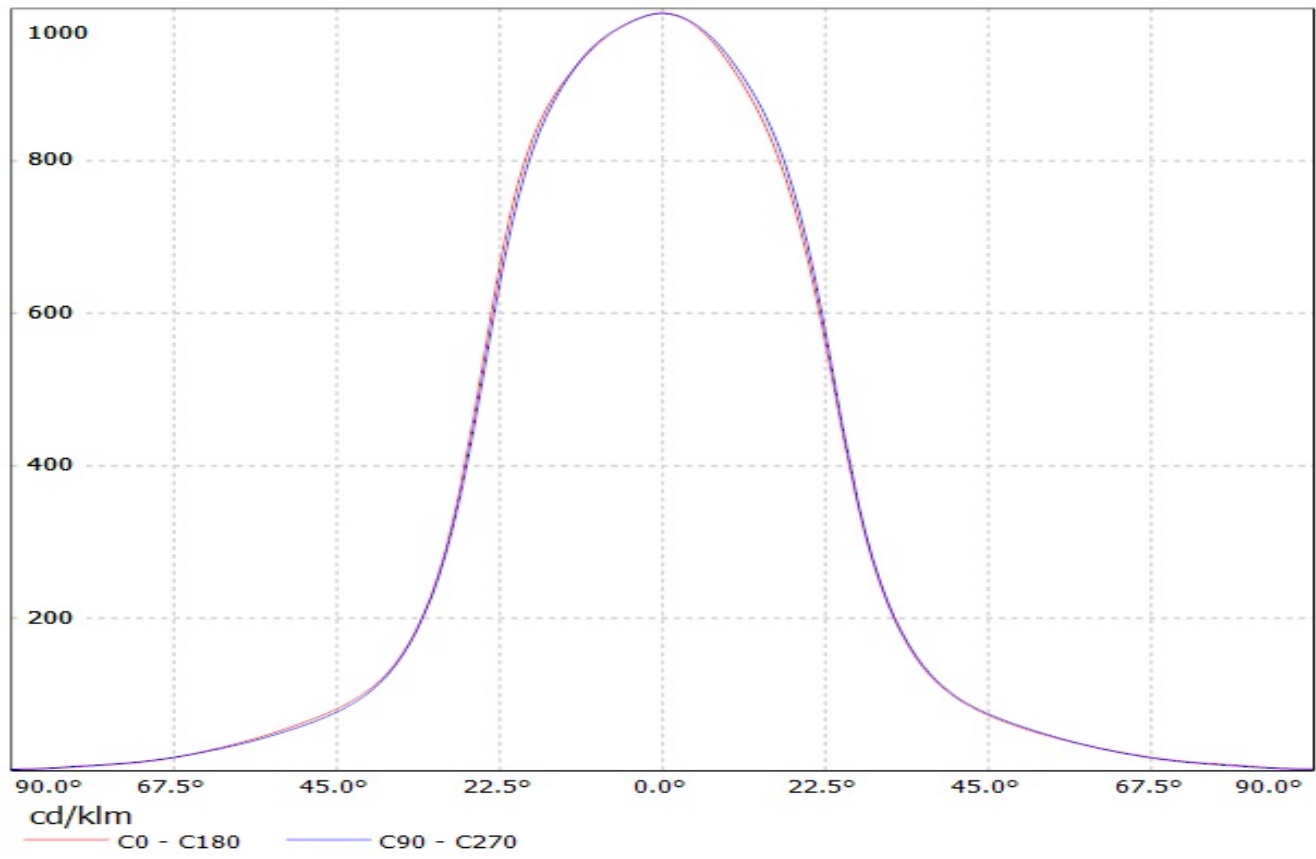
Luminaire: LEDIL OY C12361_HB-2X2 (XB-D) Efficiency=86%
Lamps: 1 x Cree XB-DE (371lm @ 250mA)



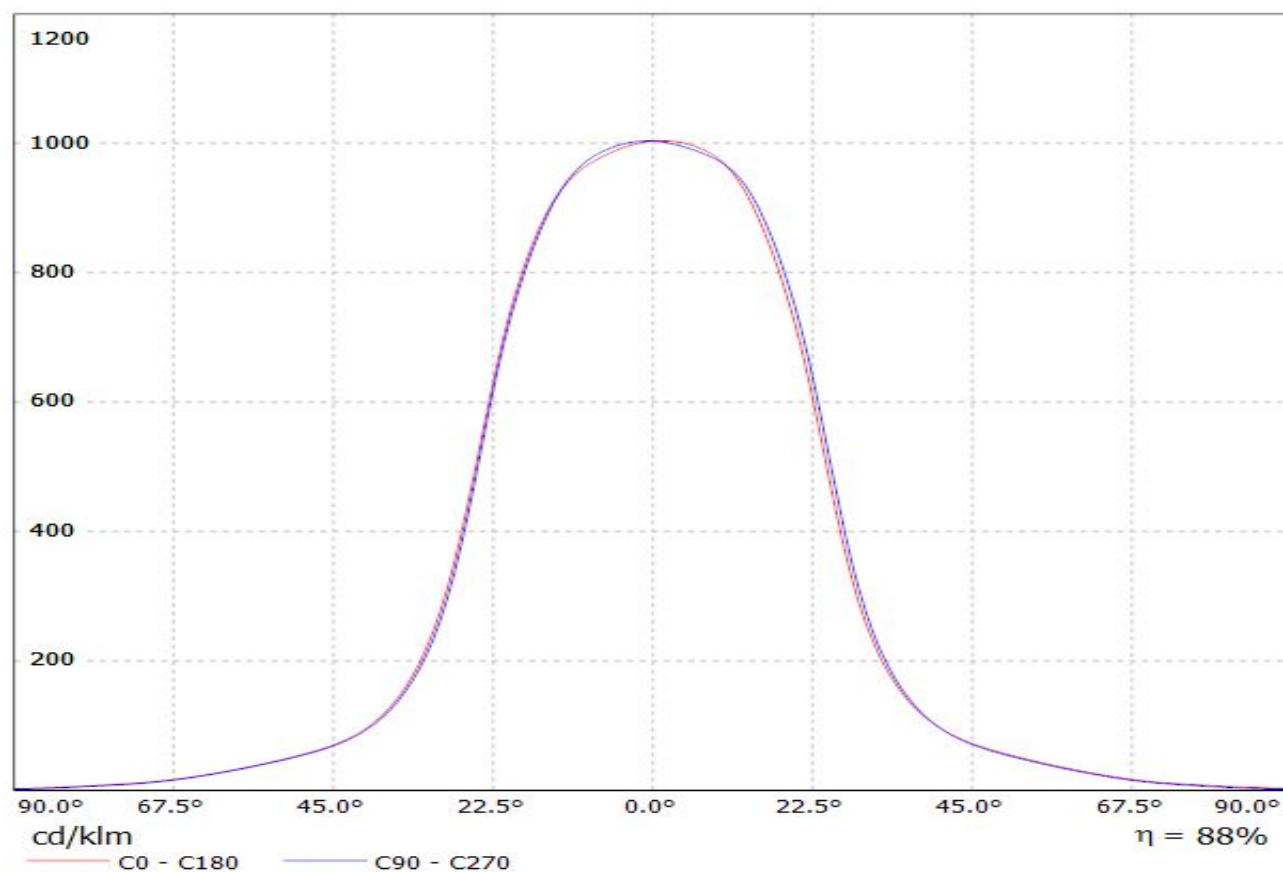
Luminaire: LEDil Oy C12361_HB-2x2-W_(NCSxx19A) Efficiency=85%
Lamps: 1 x Nichia NCSL119AT-H1) 229lm @ 250mA CCT=2800K P=3.1W I=250mA



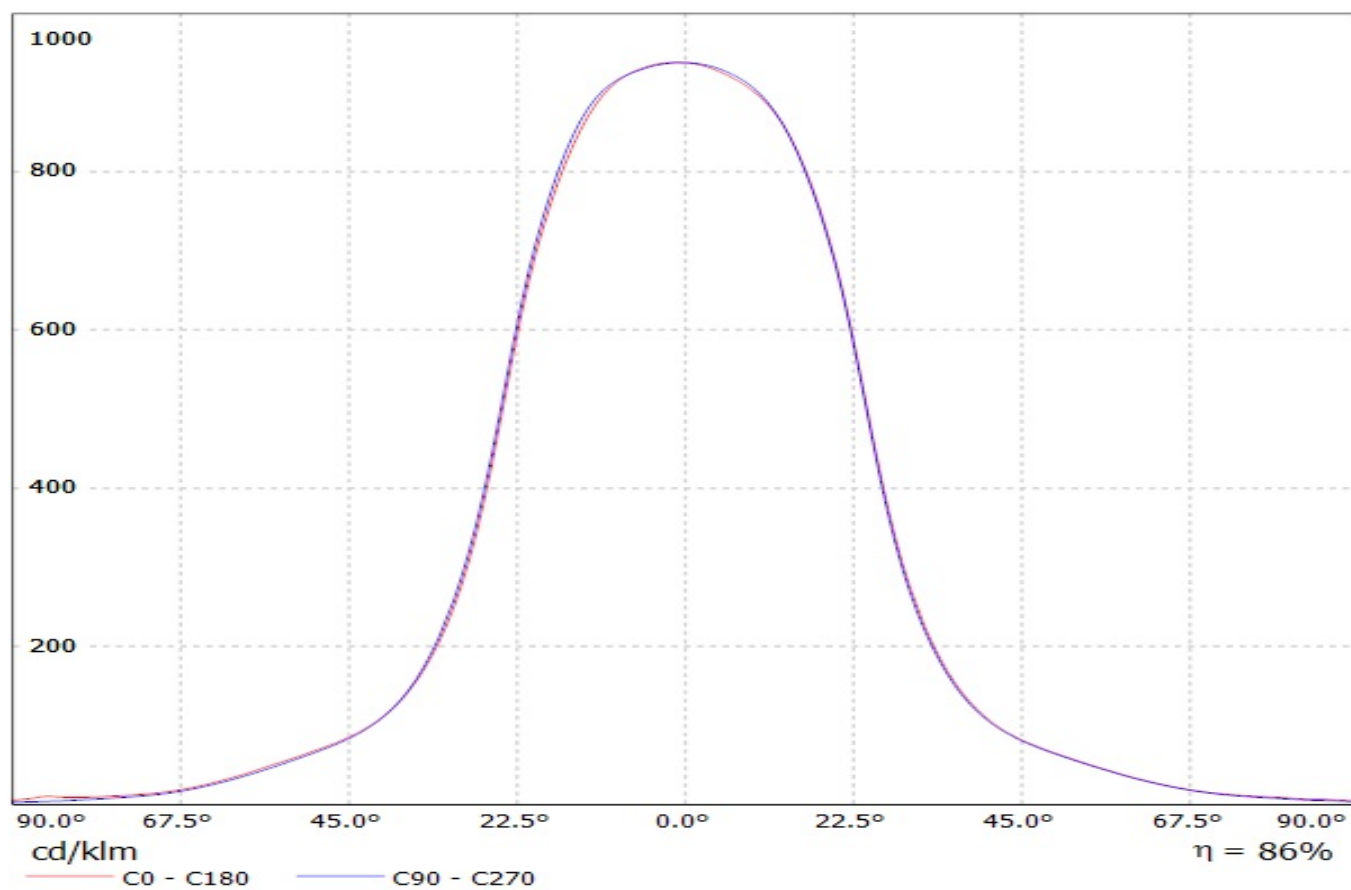
Luminaire: LEDIL OY C12361_HB-2X2 (3535) Efficiency=89%
Lamps: 1 x SAmsung 3535 (353lm @ 250mA)



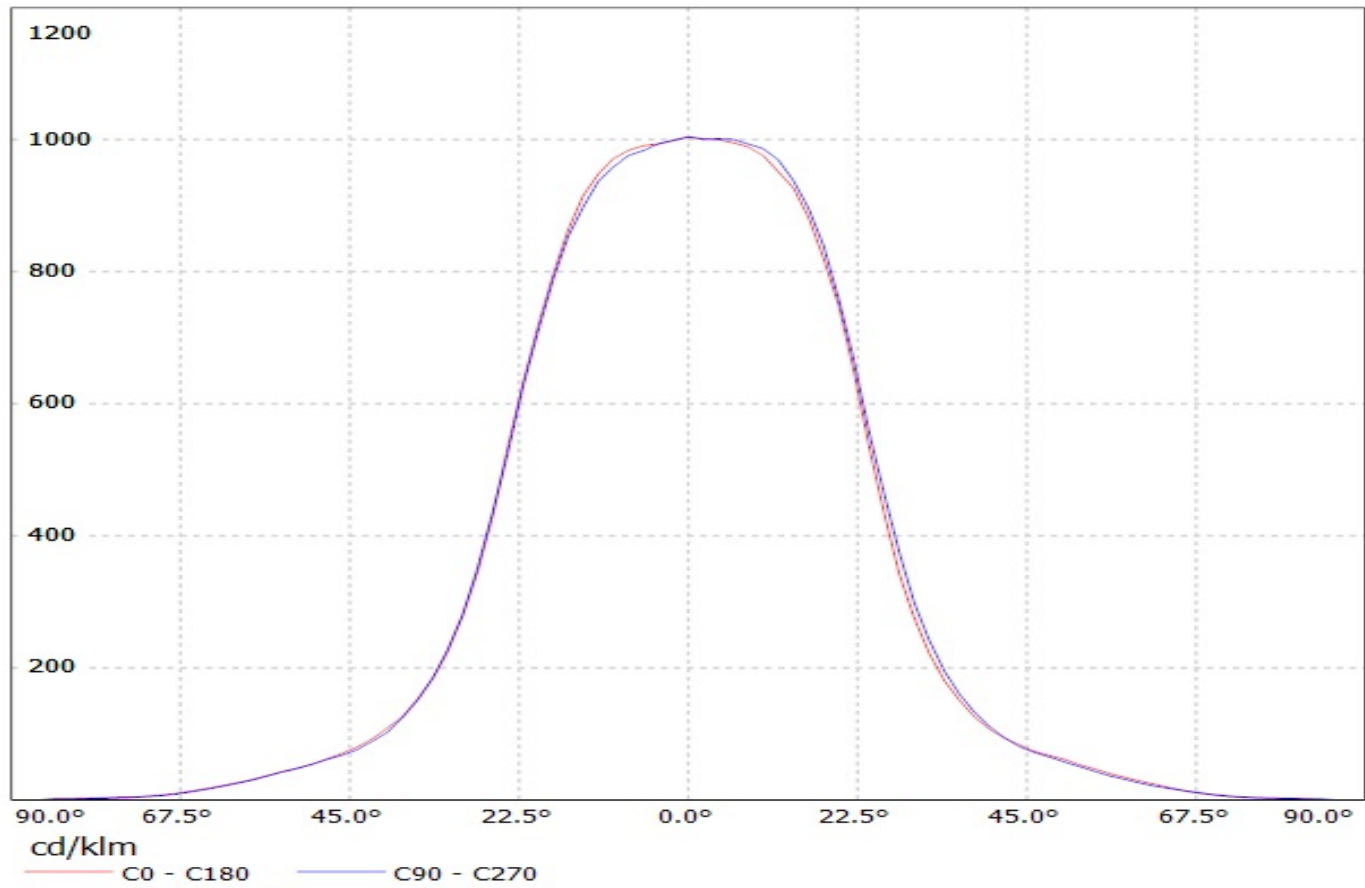
Luminaire: LEDiL Oy C12361_HB-2X2-W_(Luxeon_TX) Eff.87.5%
Lamps: 1 x Luxeon_TX_2x2_320.412lm@250mA_P=2.79013W_I=249.9mA



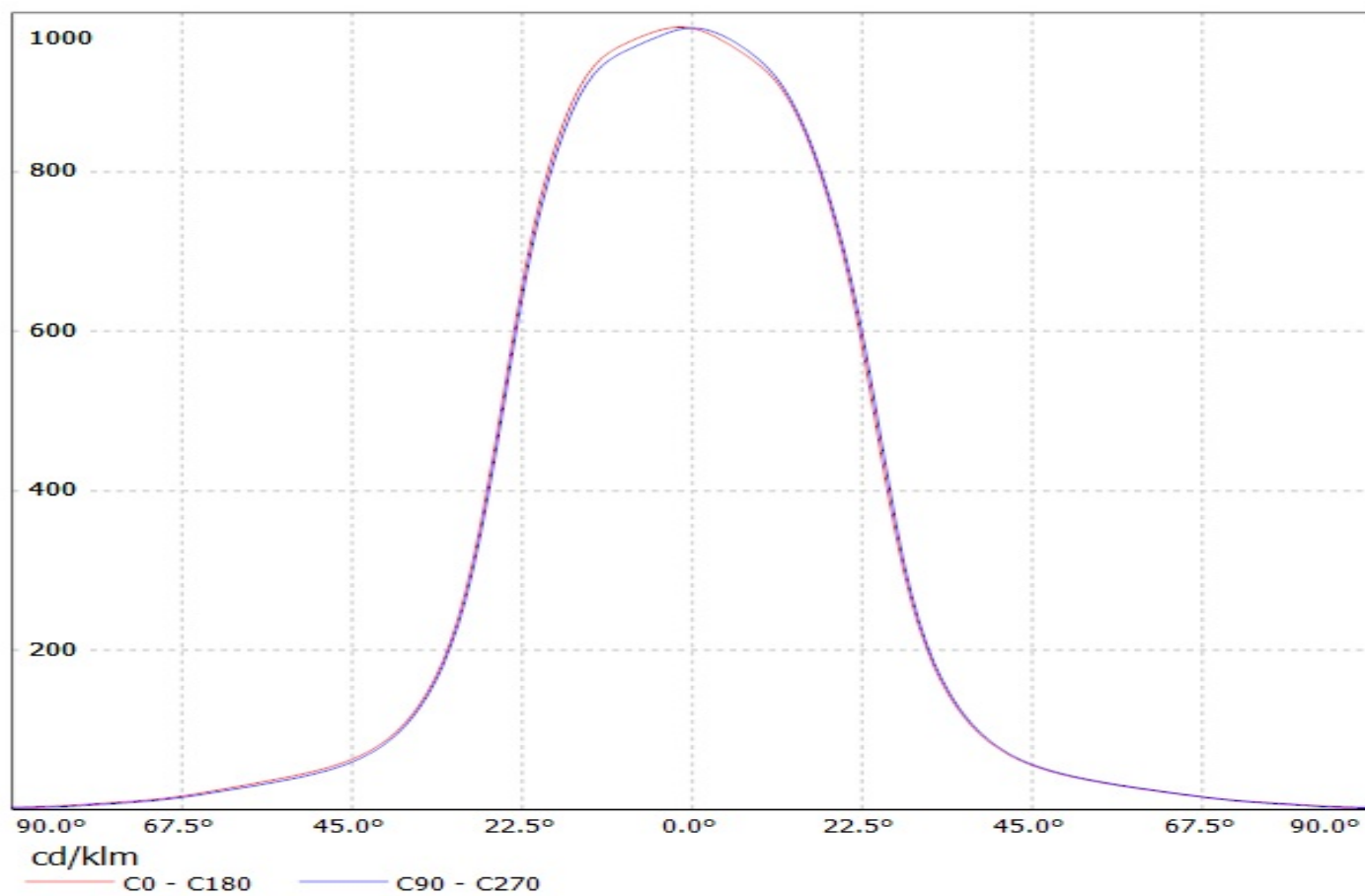
Luminaire: LEDiL Oy C12361_HB-2X2-W_(LUXEON_Q) Eff.86.3%
Lamps: 1 x LUXEON_Q_2x2_(LHQ-3080)_298.363lm@250mA_P=2.87385W_I=249.9mA



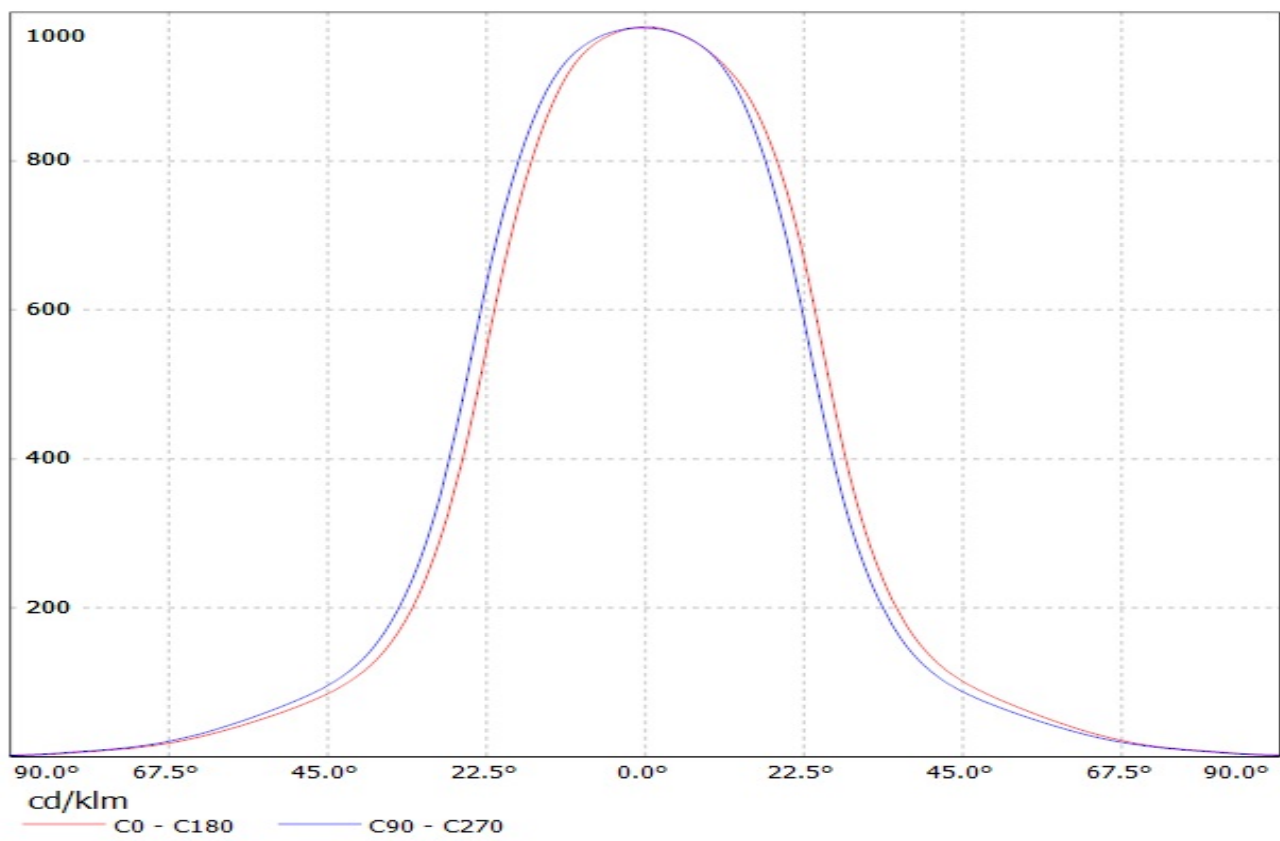
Luminaire: LEDil Oy C12361_HB-2x2-W_(NCSxx19B) Efficiency=85%
Lamps: 1 x Nichia NCSxx19b (NCSW119BE) 425lm @ 250mA CCT=5400K P=3.1W I=250mA



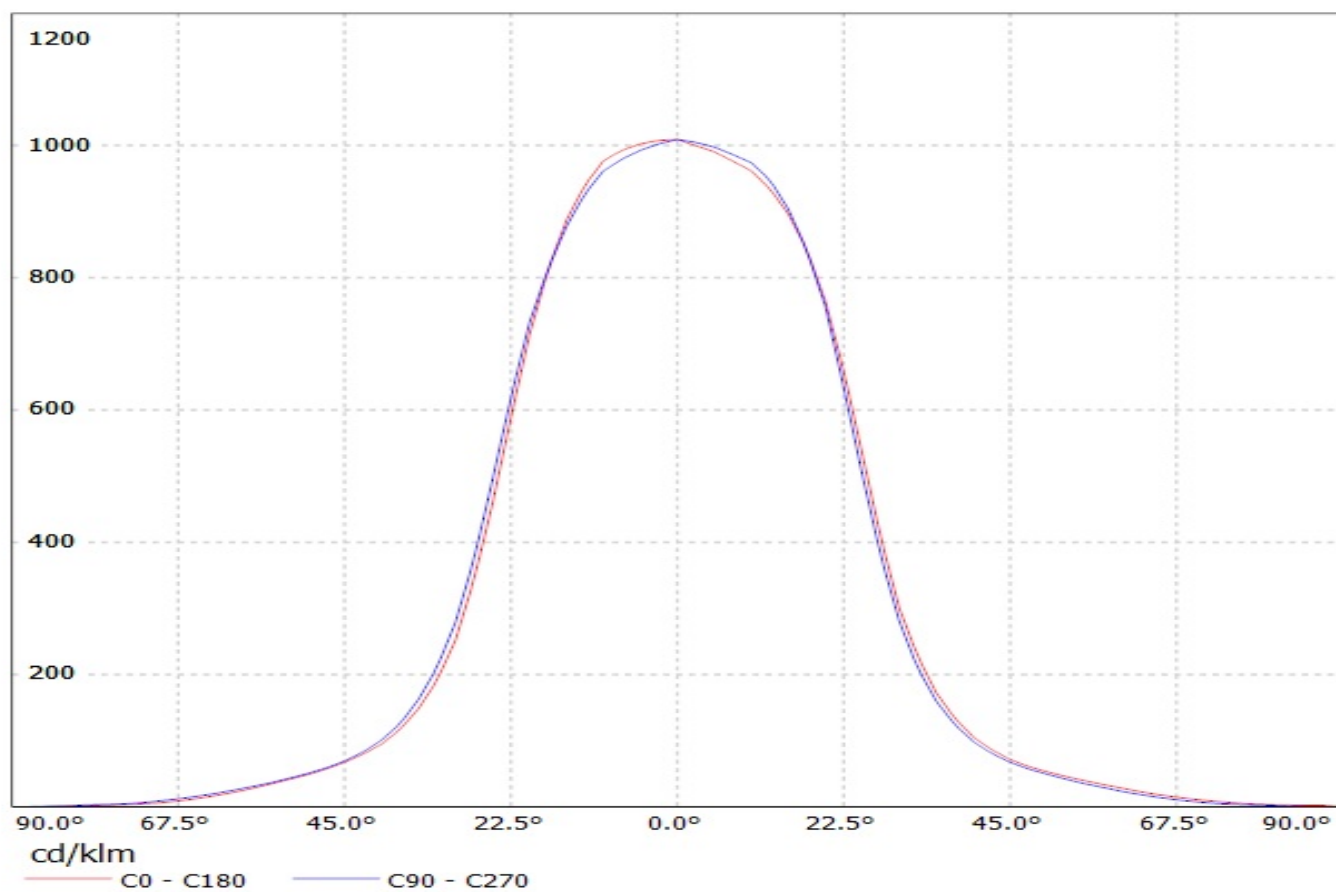
Luminaire: LEDiL Oy C12361_HB-2X2-W_(LH351Z) Eff.87.4%
Lamps: 1 x SAMSUNG_LH351Z_2x2_359.49lm@250mA_P=2.86371W_I=249.8mA



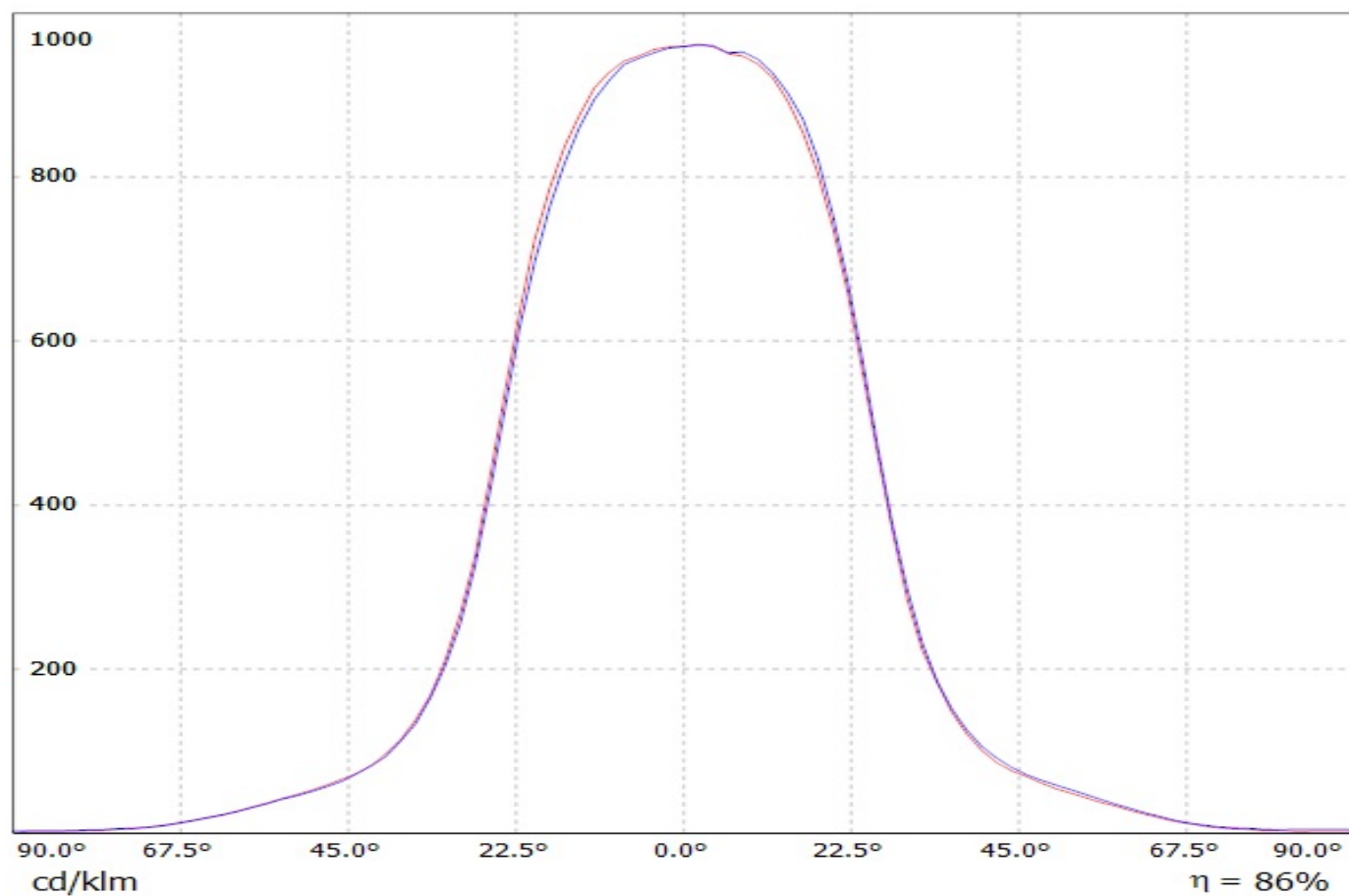
Luminaire: LEDIL OY C12361_HB-2X2 (XT-E AWT) Efficiency=89%
Lamps: 1 x Cree XT-E AWT (390lm@250mA)



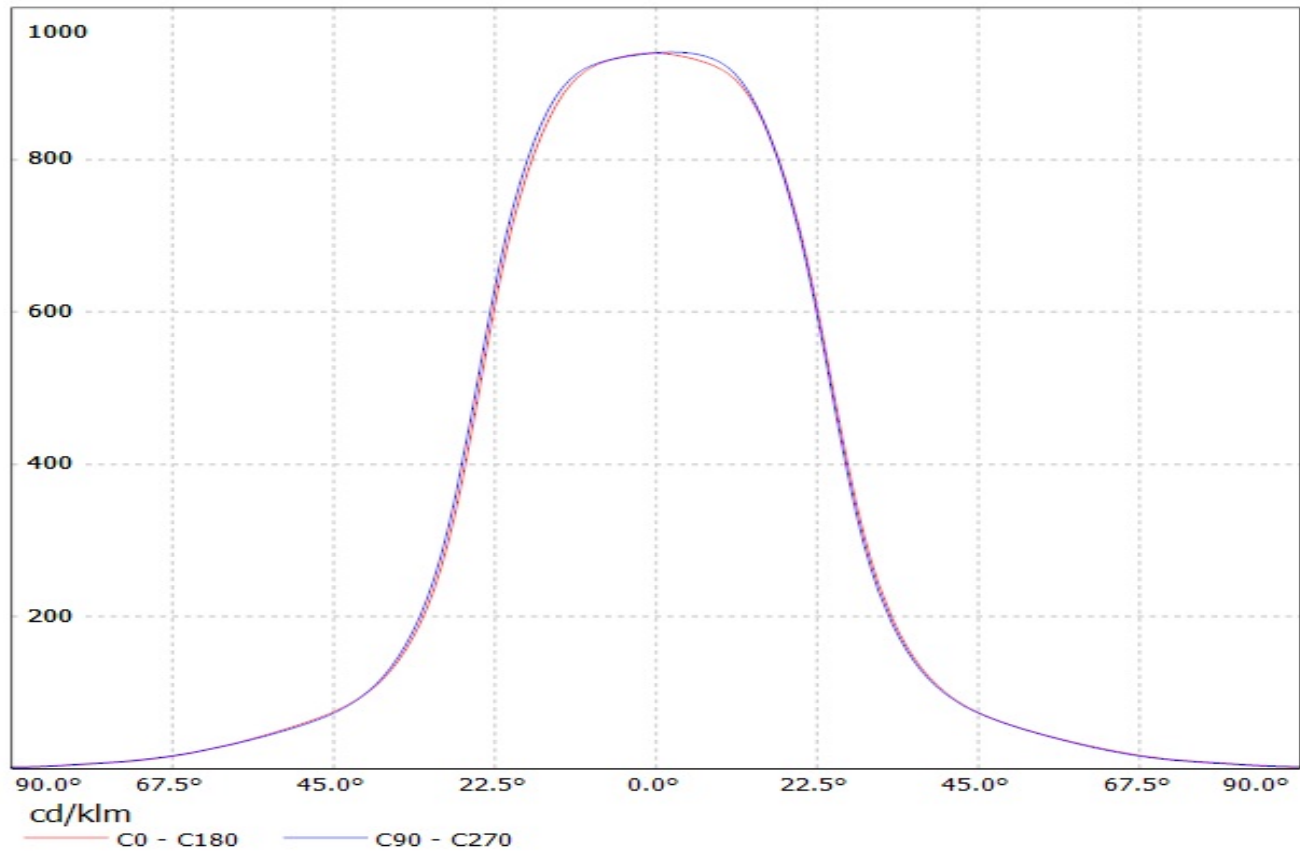
Luminaire: LEDil Oy C12361_HB-2X2-W_(Z5M1) Efficiency=85%
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA



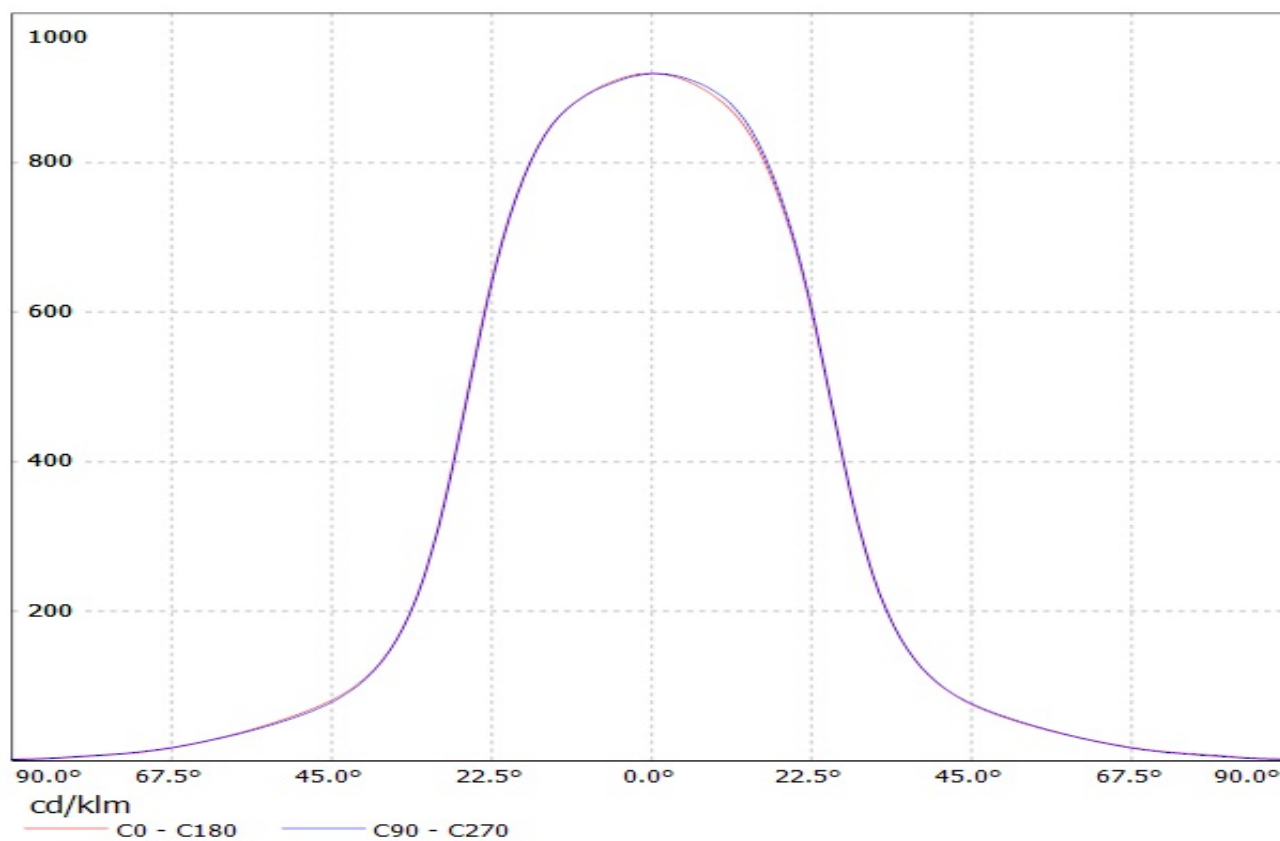
Luminaire: Ledil Oy C12361_HB-2X2-W_(NVS19B) Efficiency=85%
Lamps: 1 x Nichia NVS19B (NVSL219BE) 308lm @ 250mA CCT= P=2.89W I=250mA



Luminaire: LEDIL OY C12361_HB-2X2 (RE-ES) Efficiency=87%
Lamps: 1 x Luxeon Rebel-ES (339lm @ 250mA)

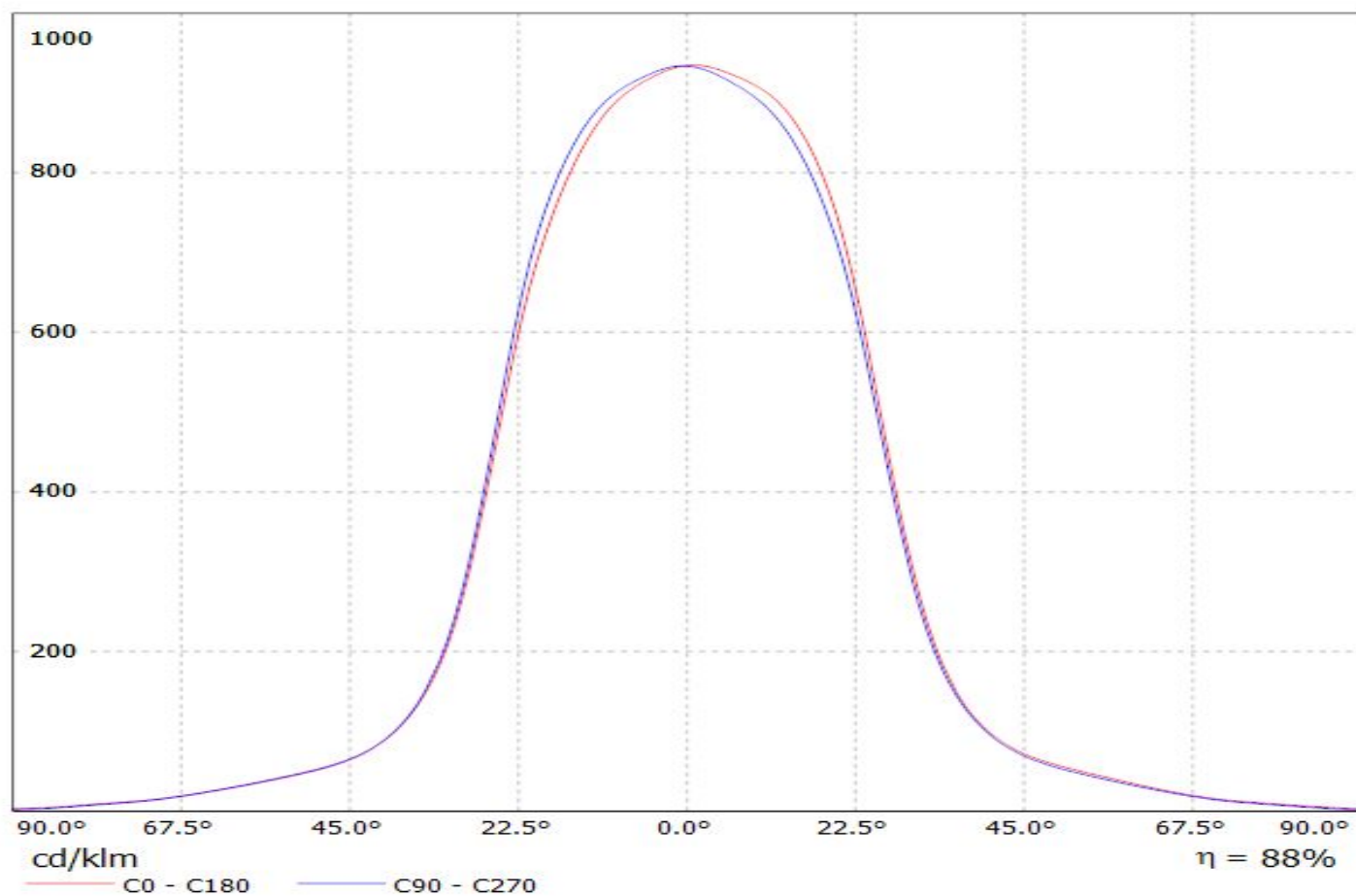


Luminaire: LEDIL OY C12361_HB-2X2 (XP-G) Efficiency=88%
Lamps: 1 x Cree XP-G (257lm @ 250mA)

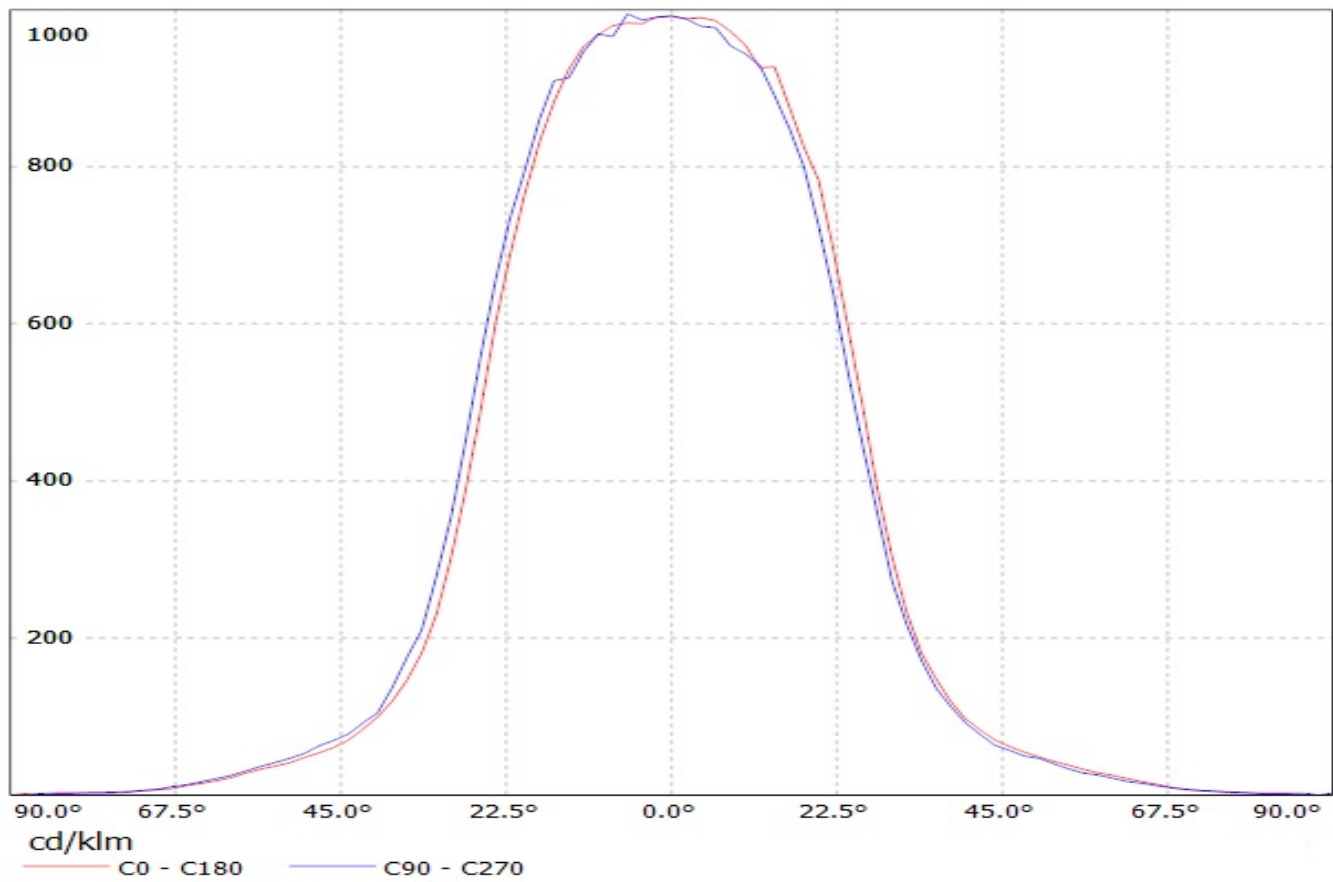


Luminaire: LEDiL Oy C12361_HB-2X2-W_(LH351B) Eff.87.6%

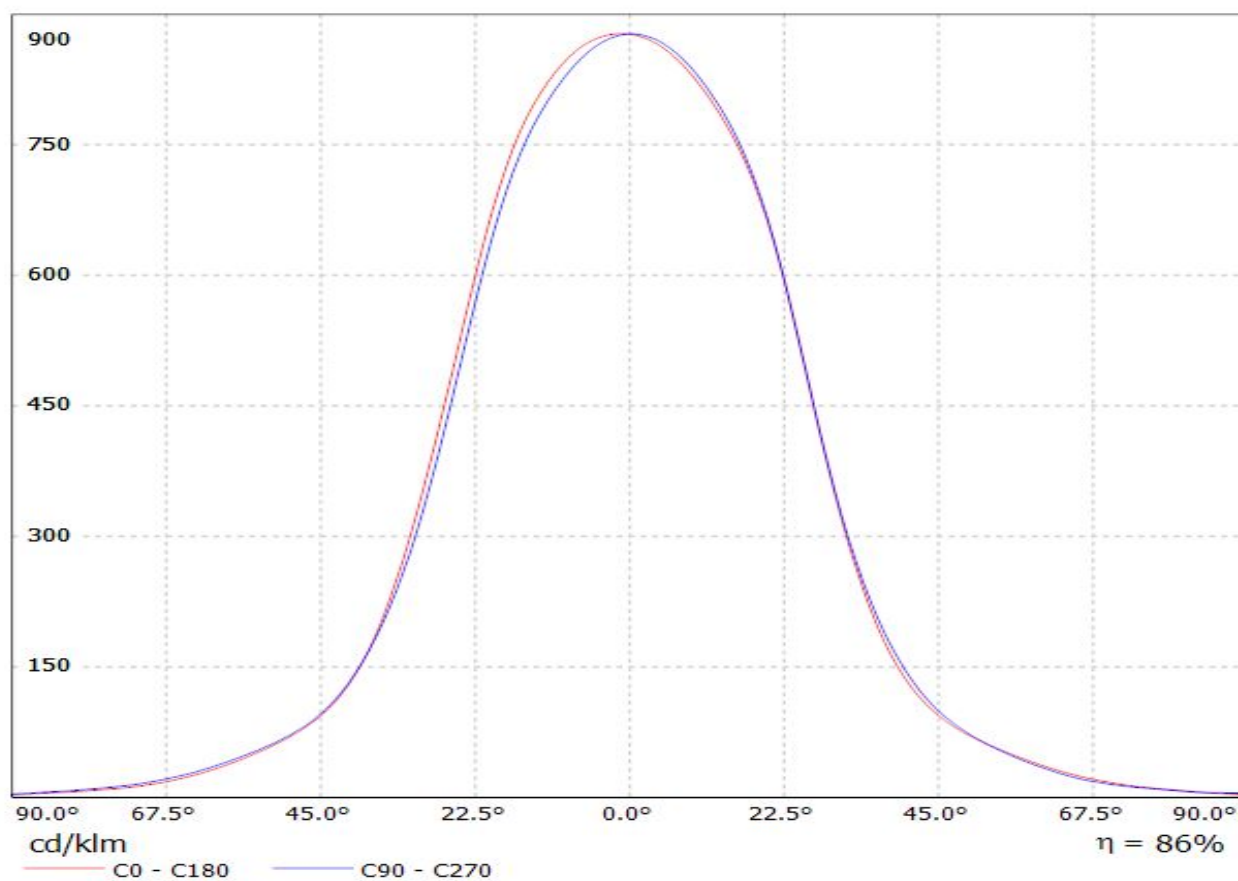
Lamps: 1 x SAMSUNG_LH351B_2x2_430.715lm@250mA_P=2.84311W_I=249.9mA



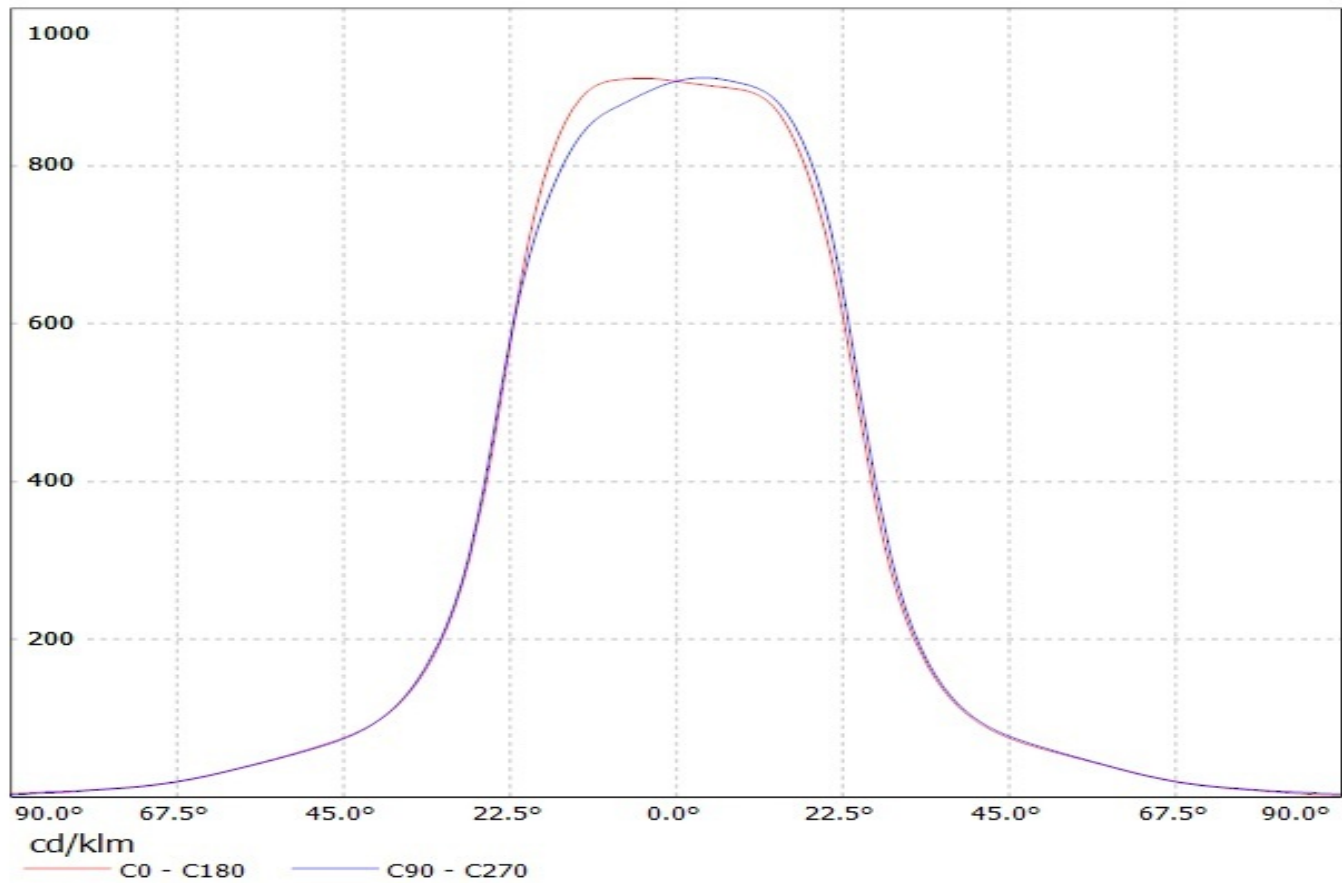
Luminaire: Ledil Oy C12361_HB-2X2-W_(3535_Ceramic_gen2) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 461lm @ 250mA CCT=6600K P=2.9W I=250mA



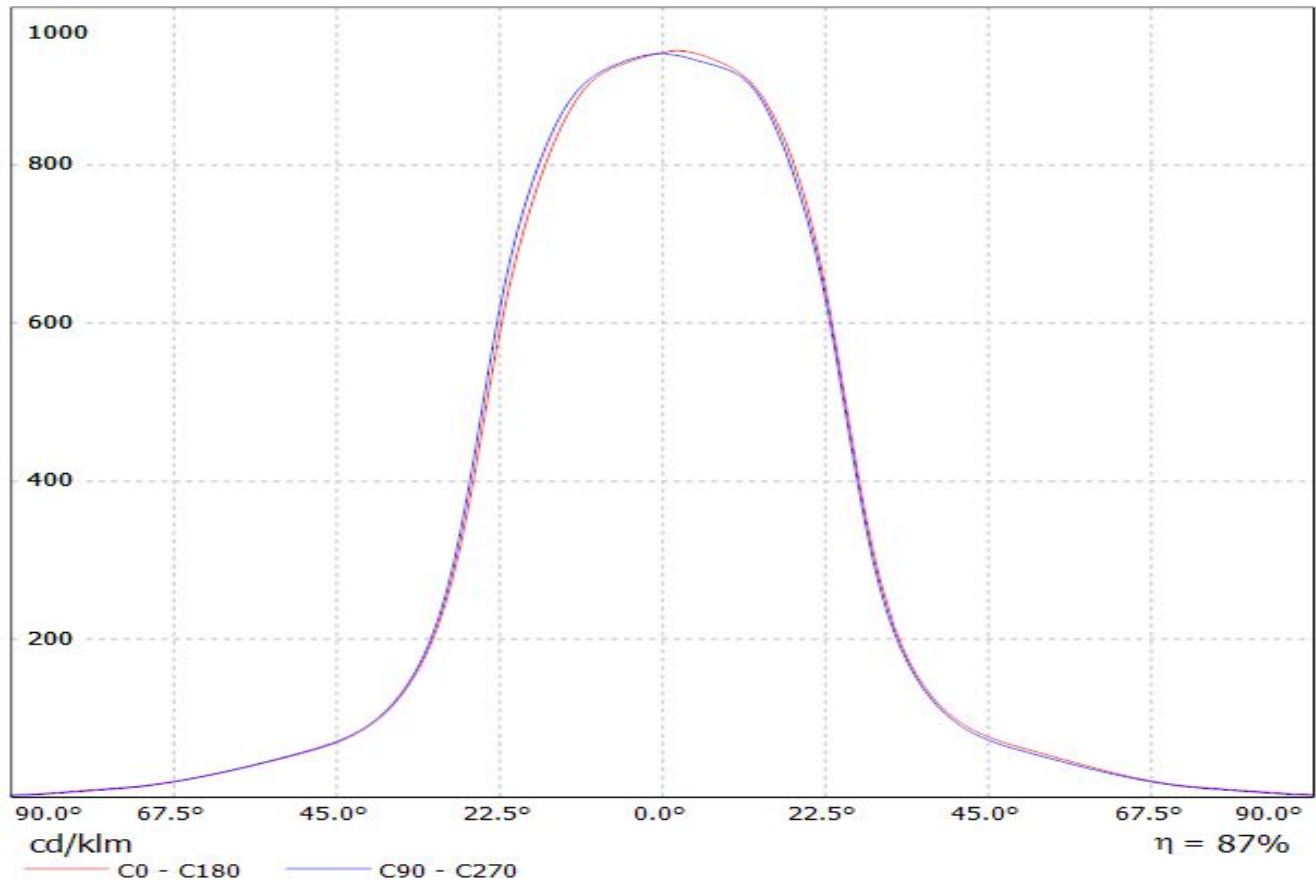
Luminaire: LEDiL Oy C12361_HB-2X2-W_(NS9x383) Eff. 86%
Lamps: 1 x Nichia NS9x383 (288lm@250mA)



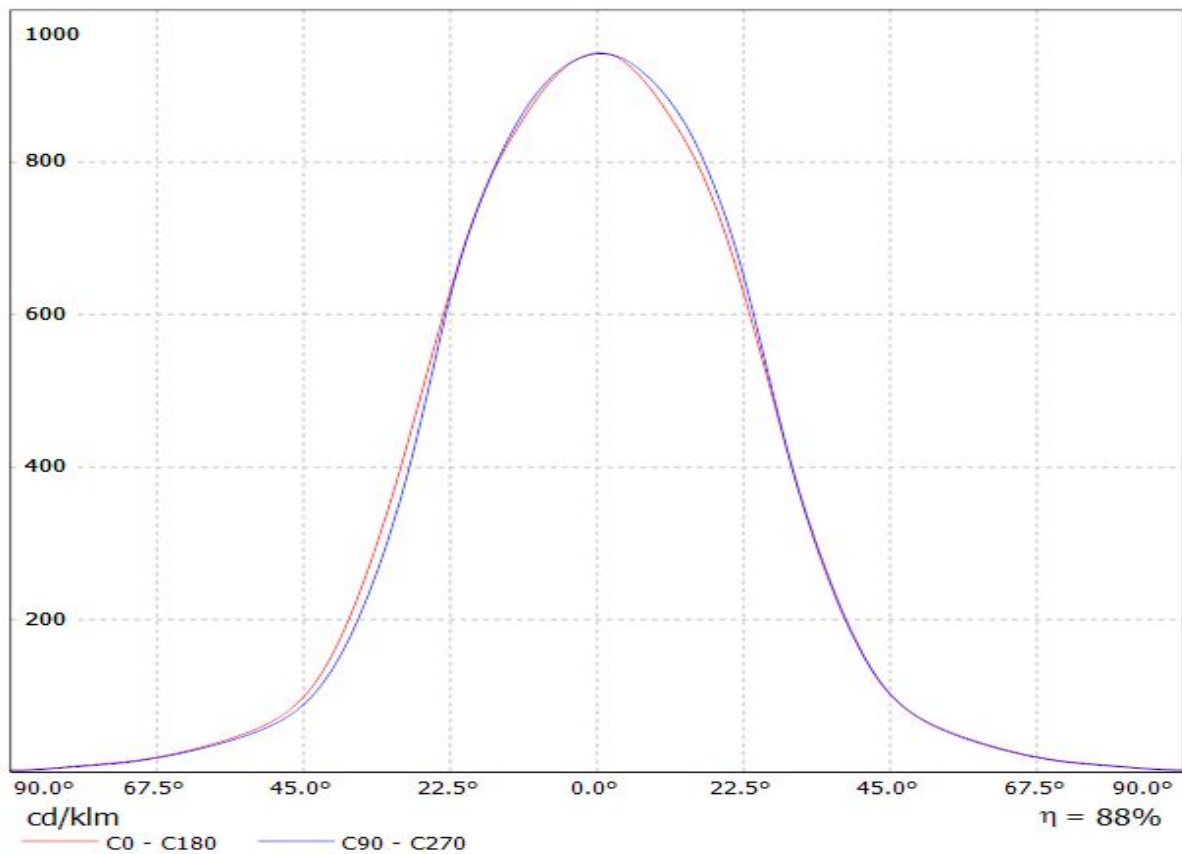
Luminaire: LEDIL OY C12361_HB-2X2_(SQ_PC) Efficiency=87%
Lamps: 1 x OSLO SQUARE PC (400.6lm)



Luminaire: LEDiL Oy C12361_HB-2X2-W_(LUXEON_T)_1 Eff.87.0%
Lamps: 1 x LUXEON_T 2x2 (294lm@250mA)

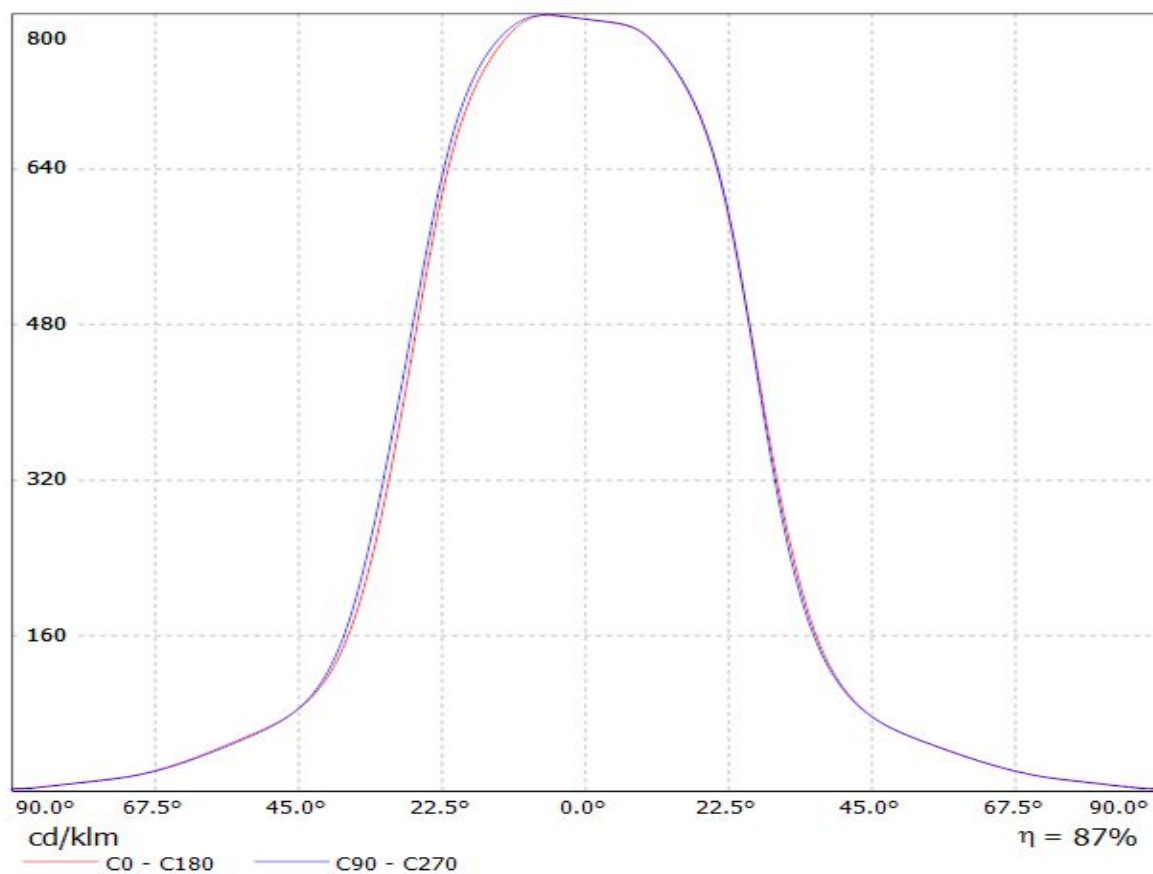


Luminaire: LEDiL Oy C12361_HB-2X2-W_(OLP-5065F6L-06A) Eff.88.5%
Lamps: 1 x OPTOGAN_2x2_(OLP-5065F6L-06A-80-D0500) 423.091lm@250mA CCT=5000K P=2.98506W I=249.9mA



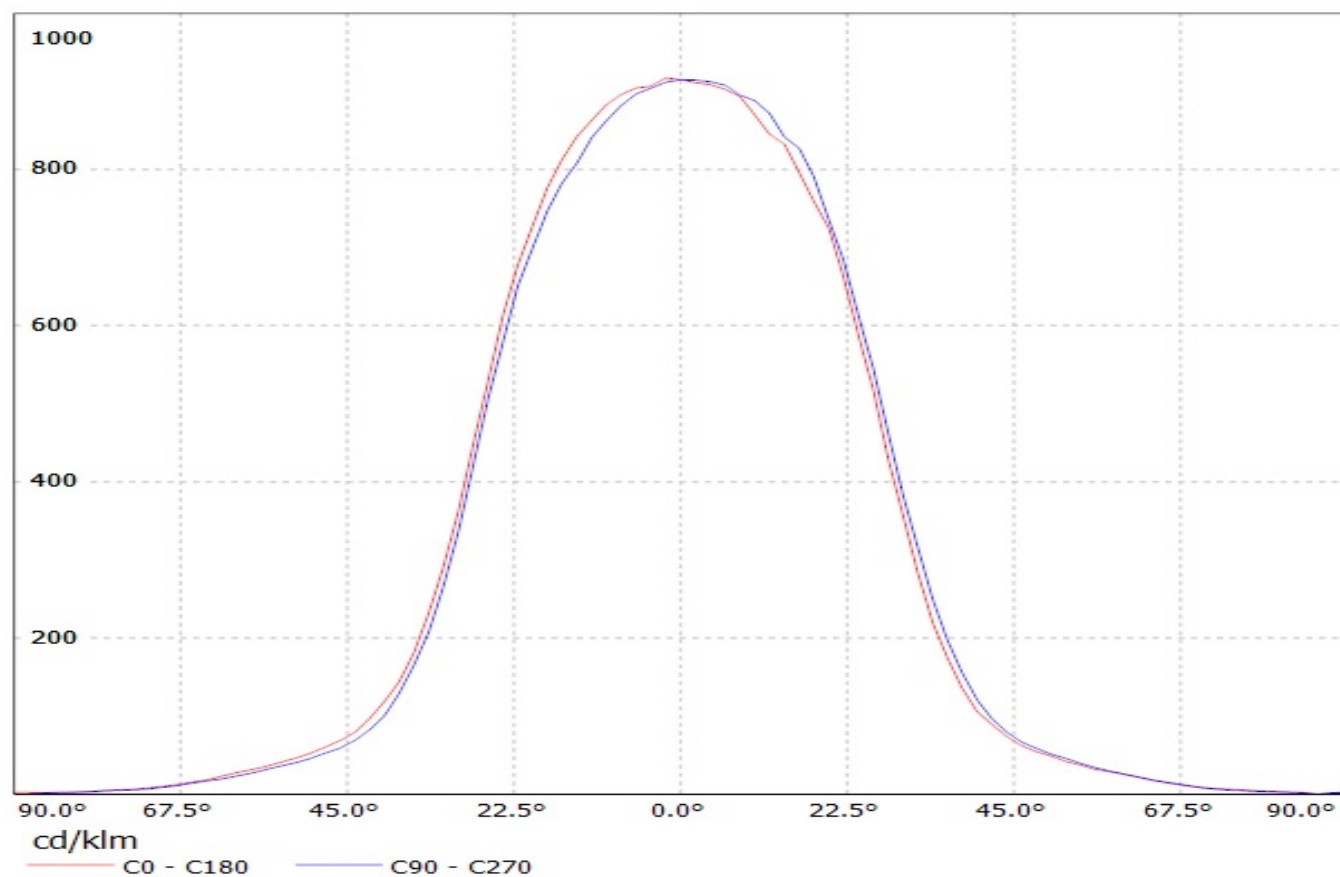
Luminaire: LEDiL Oy C12361_HB-2X2-W_(XP-L) Eff.87.0%

Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_504.373lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA

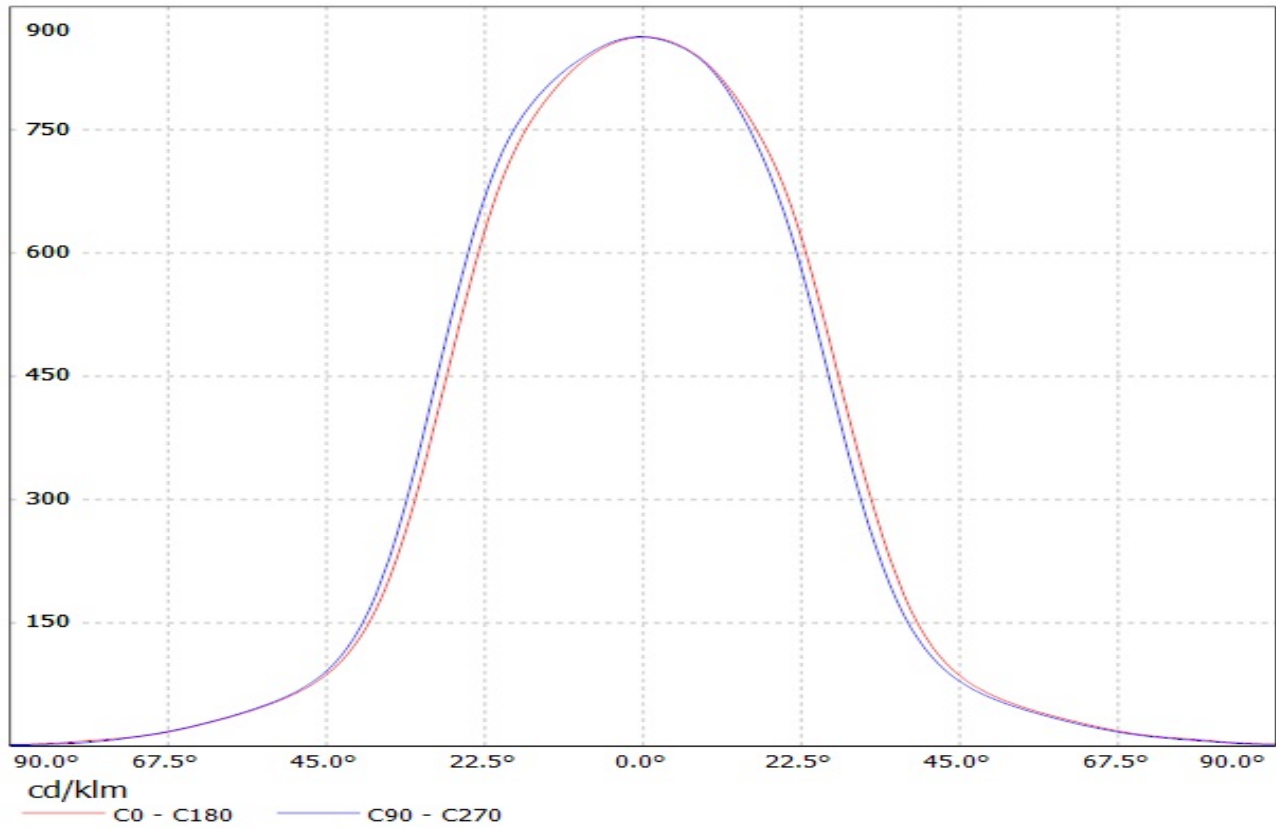


Luminaire: Ledil Oy C12361_HB-2X2-W_(XM-L2) Efficiency=87%

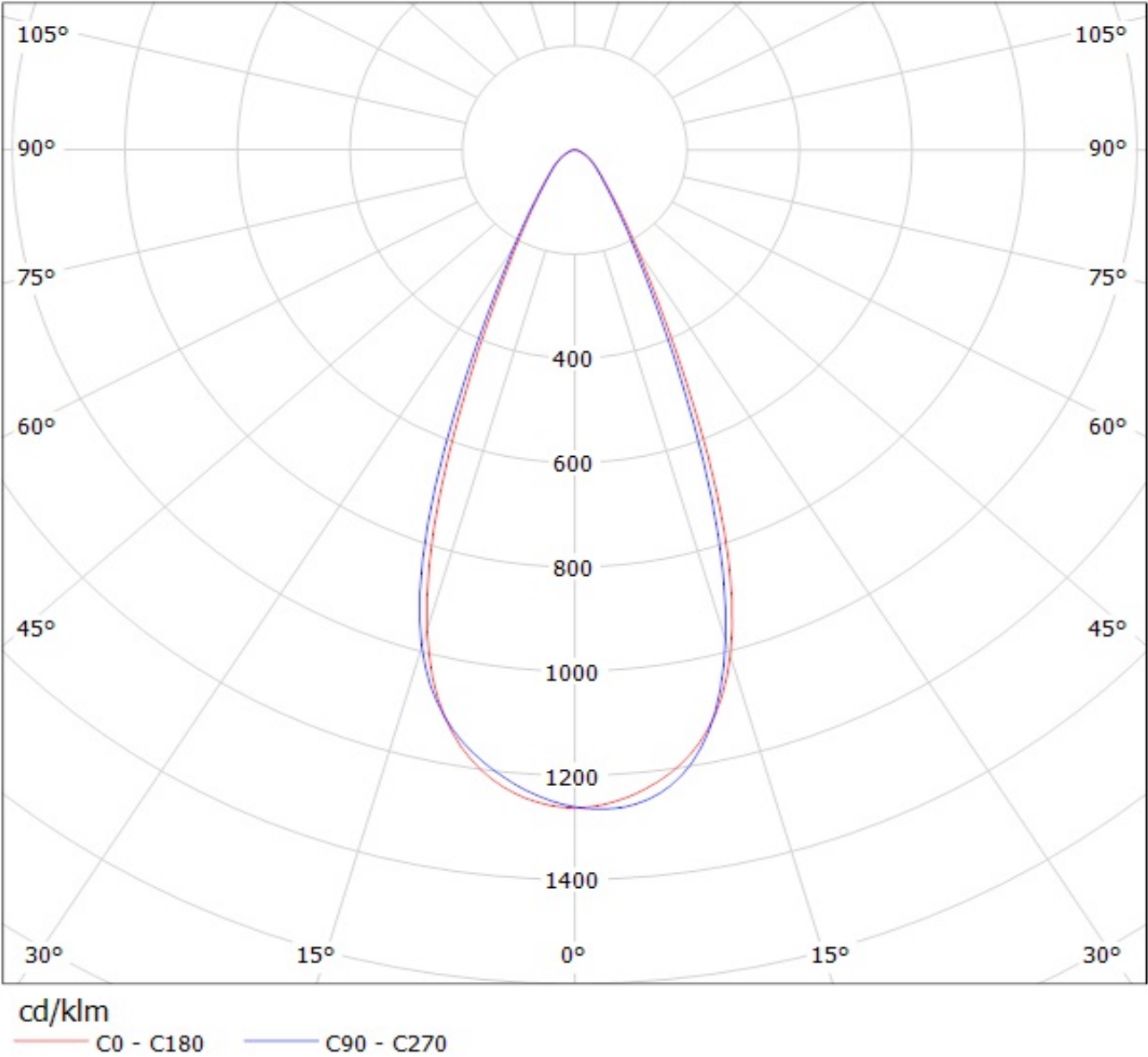
Lamps: 1 x Cree XM-L2 (CXMLBWT-0-7B4-T30-0L-001) 360lm @ 250mA CCT=3220K P=2.8W I=250mA



Luminaire: LEDIL OY C12361_HB-2X2 (XM-L) Efficiency=89%
Lamps: 1 x Cree XM-L (395lm @ 250mA)

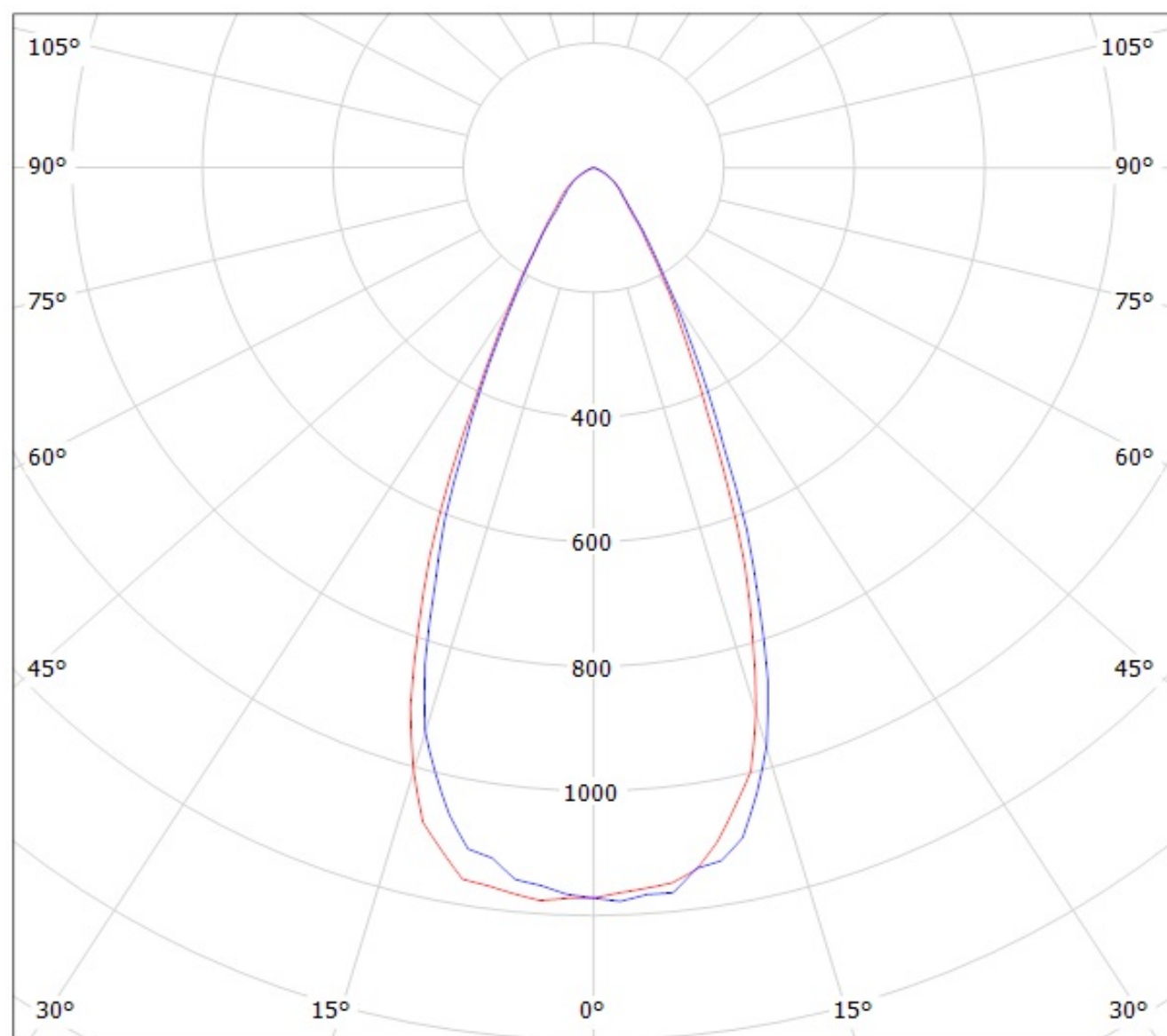


Luminaire: LEDIL OY C12361_HB-2X2 (SSL80) Efficiency=89%
Lamps: 1 x Osram SSL80 (340lm @ 250mA)



Luminaire: Ledil Oy C12361_HB-2X2-W_(Luxeon_Z_ES) Efficiency=87%

Lamps: 1 x Luxeon Z ES 2x2 (LXZ2-3090) 209lm @ 250mA CCT=3000K P=2.8W I=250mA

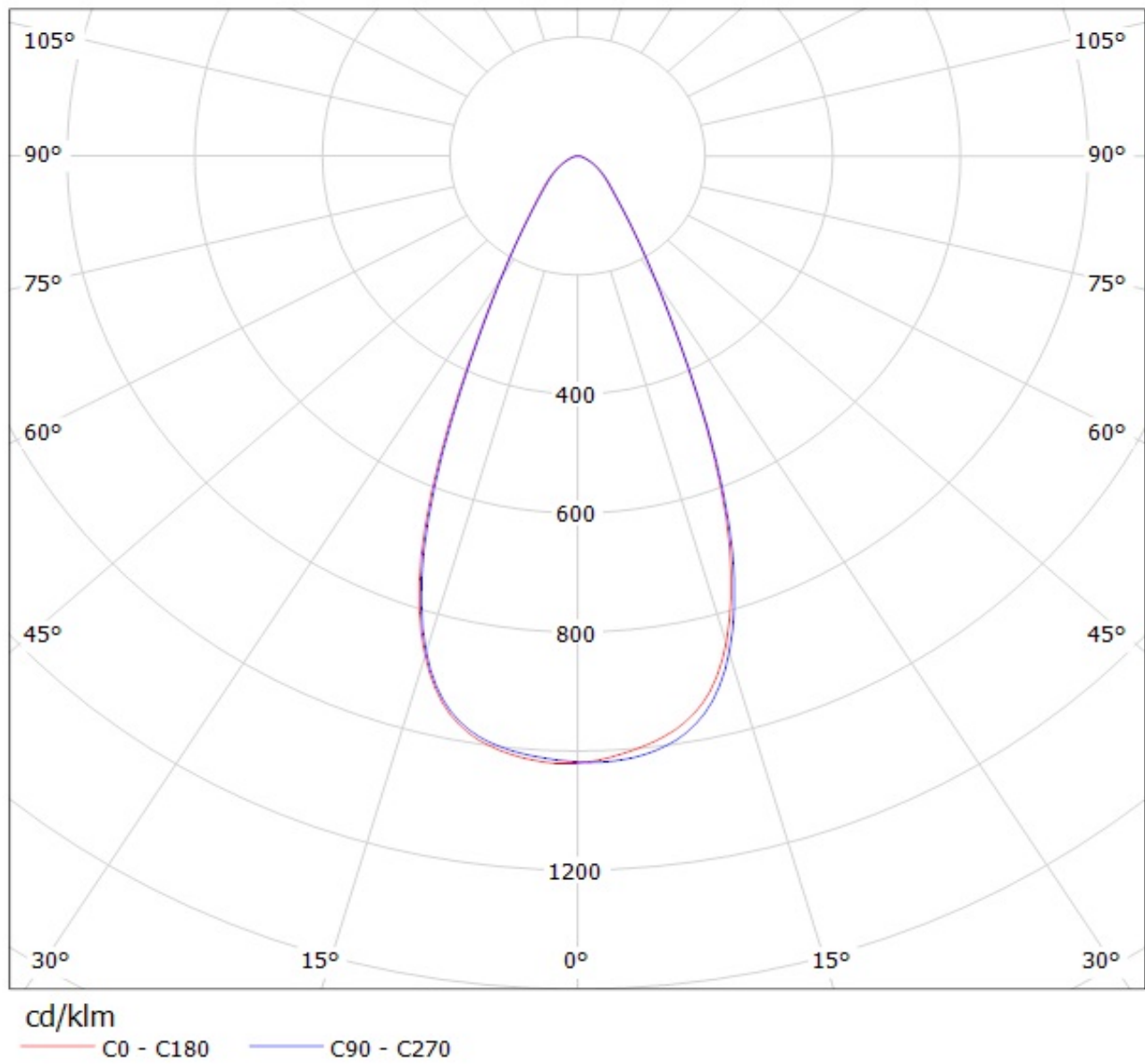


cd/klm

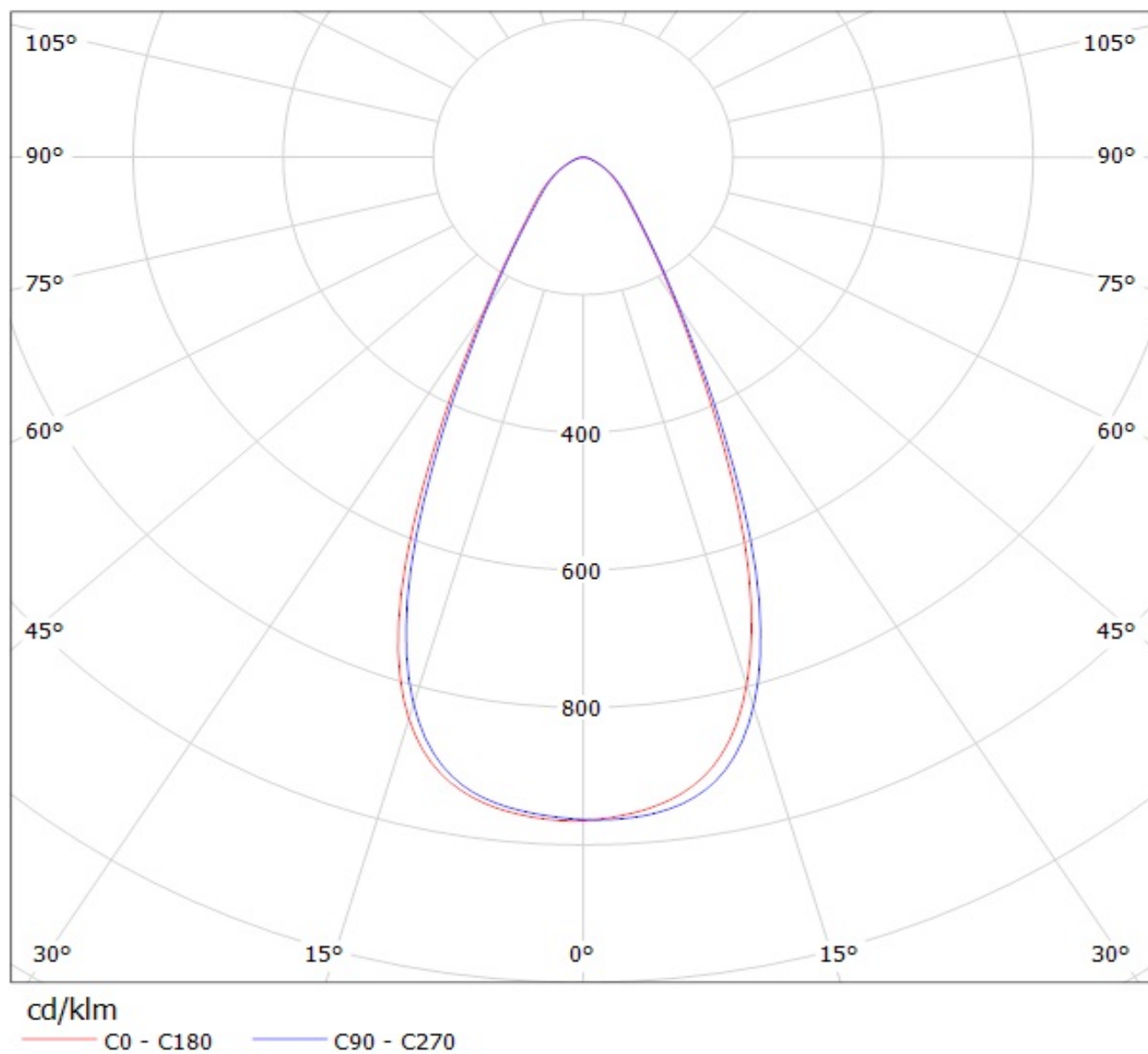
— C0 - C180

— C90 - C270

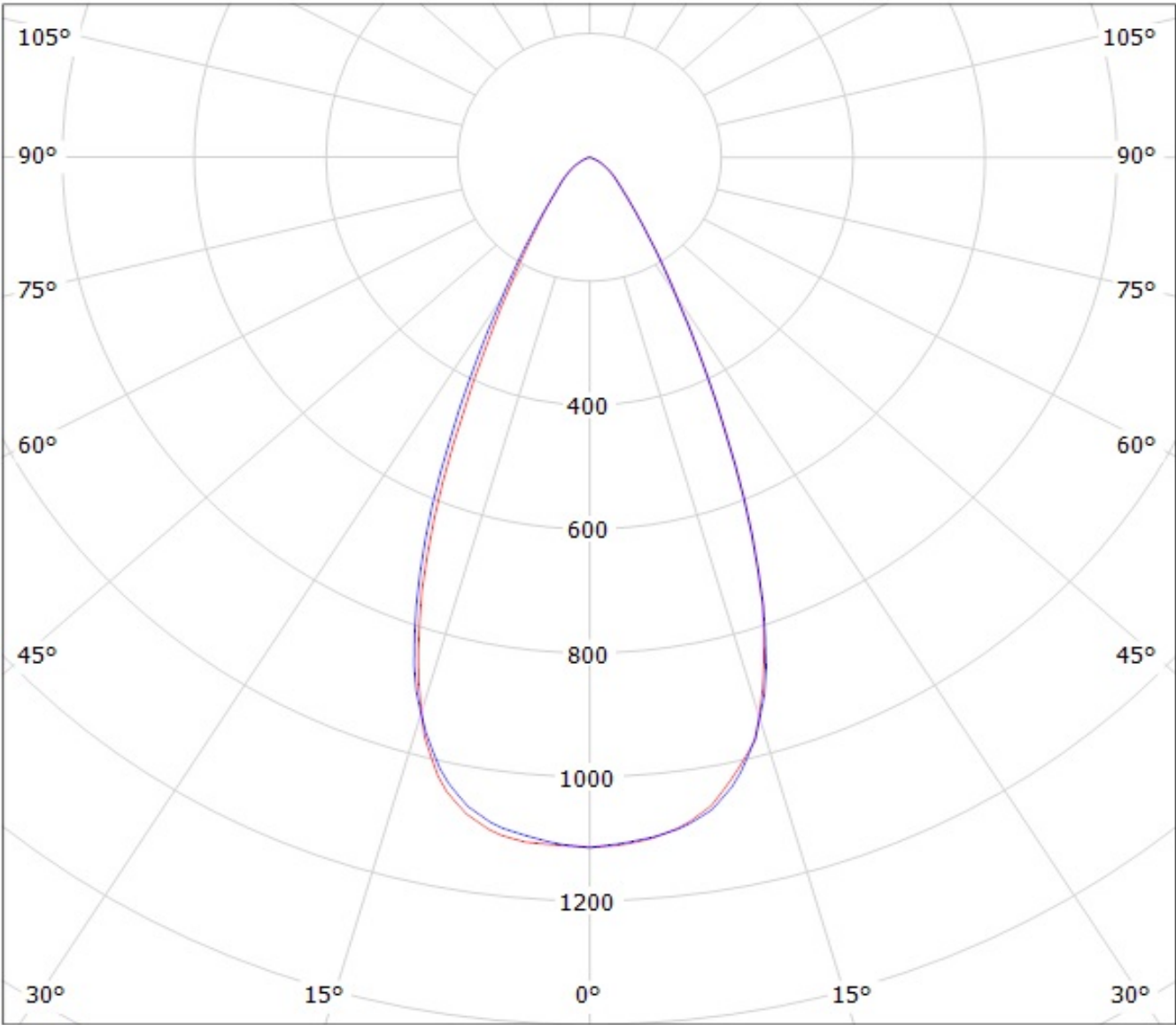
Luminaire: LEDIL OY C12361_HB-2X2 (Z5) Efficiency=88%
Lamps: 1 x Seoul Z5 (290lm @ 250mA)



Luminaire: LEDIL OY C12361_HB-2X2 (XB-D) Efficiency=86%
Lamps: 1 x Cree XB-DE (371lm @ 250mA)



Luminaire: LEDil Oy C12361_HB-2x2-W_(NCSxx19A) Efficiency=85%
Lamps: 1 x Nichia NCSL119AT-H1) 229lm @ 250mA CCT=2800K P=3.1W I=250mA

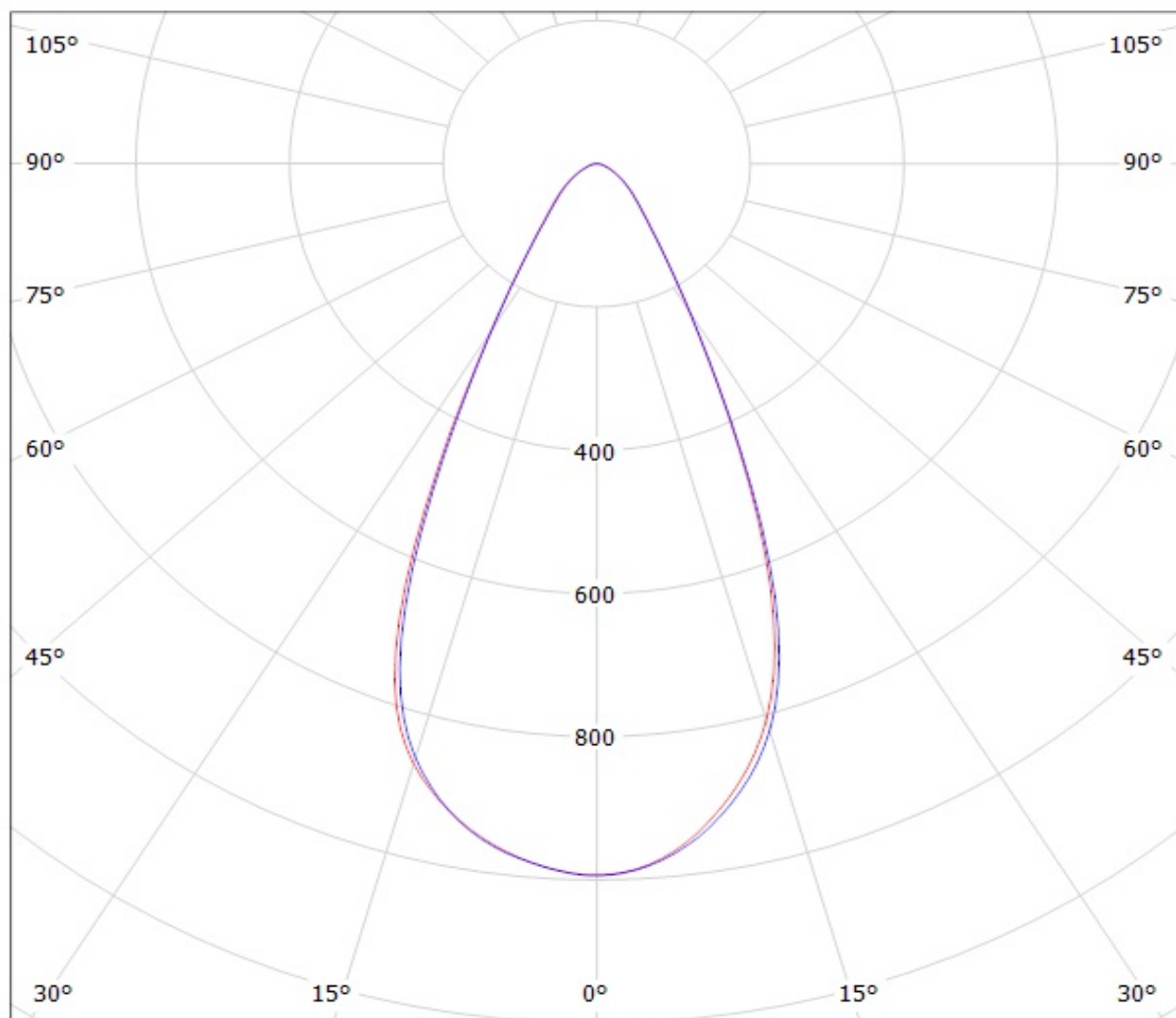


cd/klm

C0 - C180

C90 - C270

Luminaire: LEDIL OY C12361_HB-2X2 (3535) Efficiency=89%
Lamps: 1 x SAmsung 3535 (353lm @ 250mA)

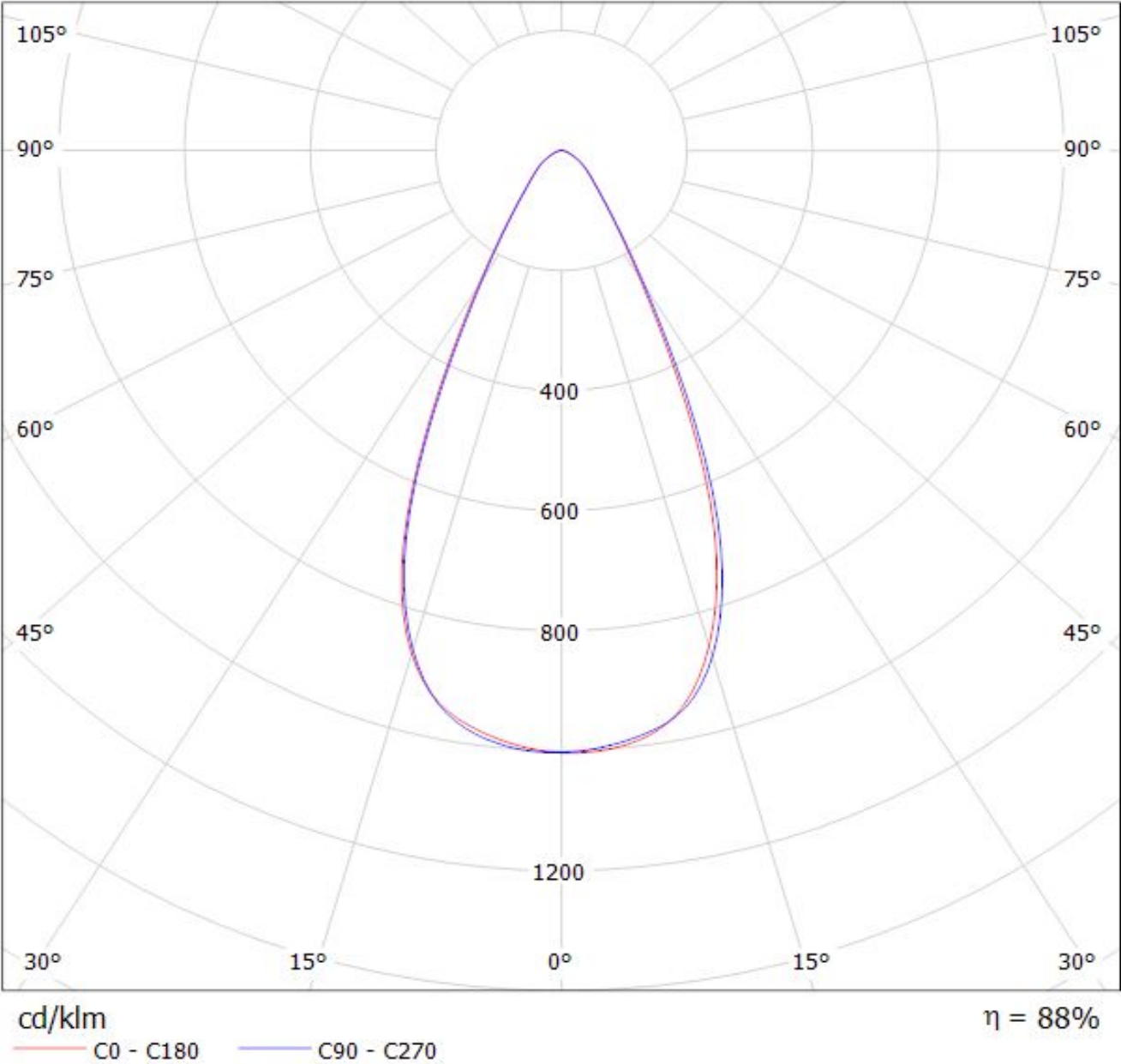


cd/klm

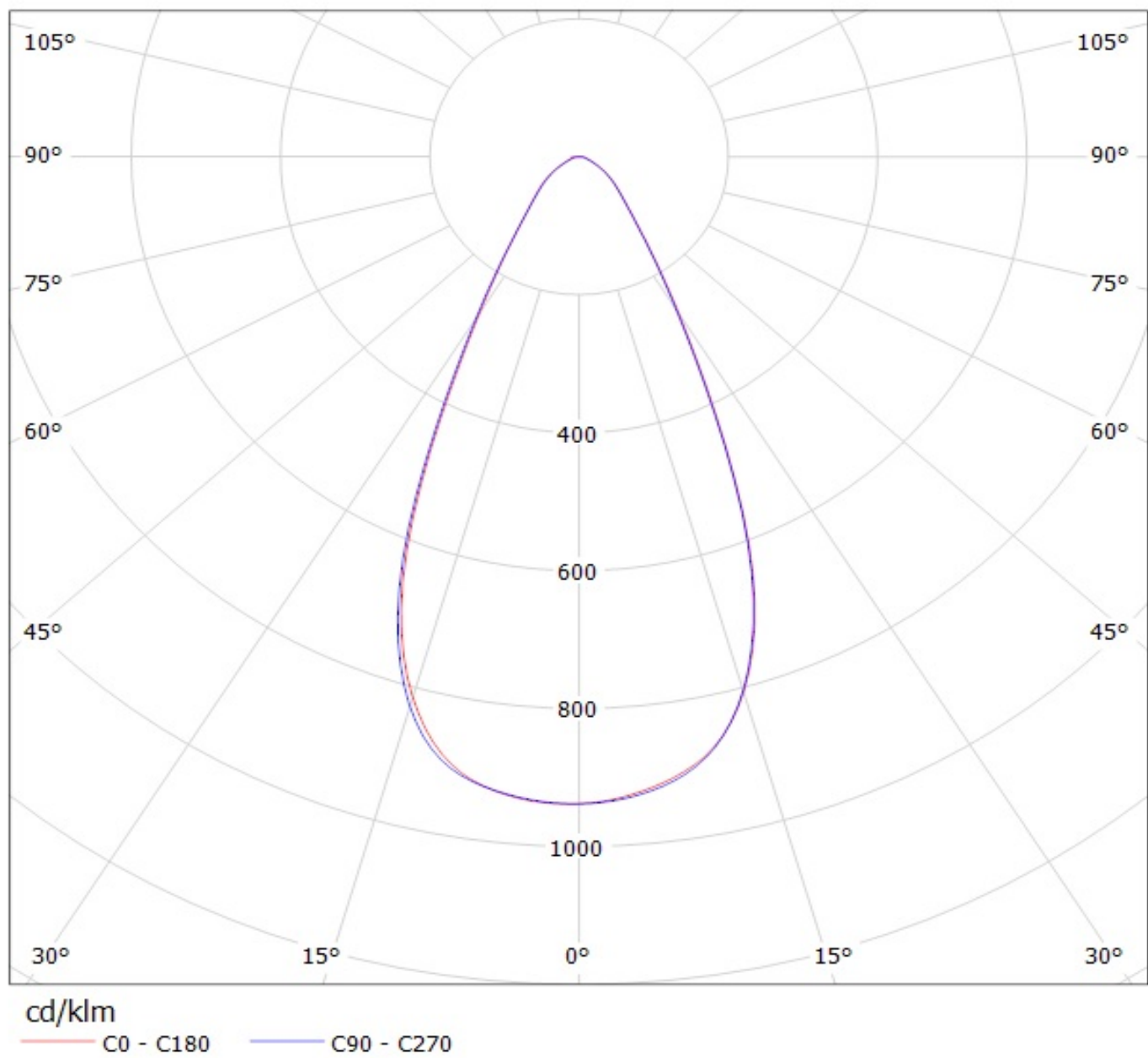
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12361_HB-2X2-W_(Luxeon_TX) Eff.87.5%
Lamps: 1 x Luxeon_TX_2x2_320.412lm@250mA_P=2.79013W_I=249.9mA

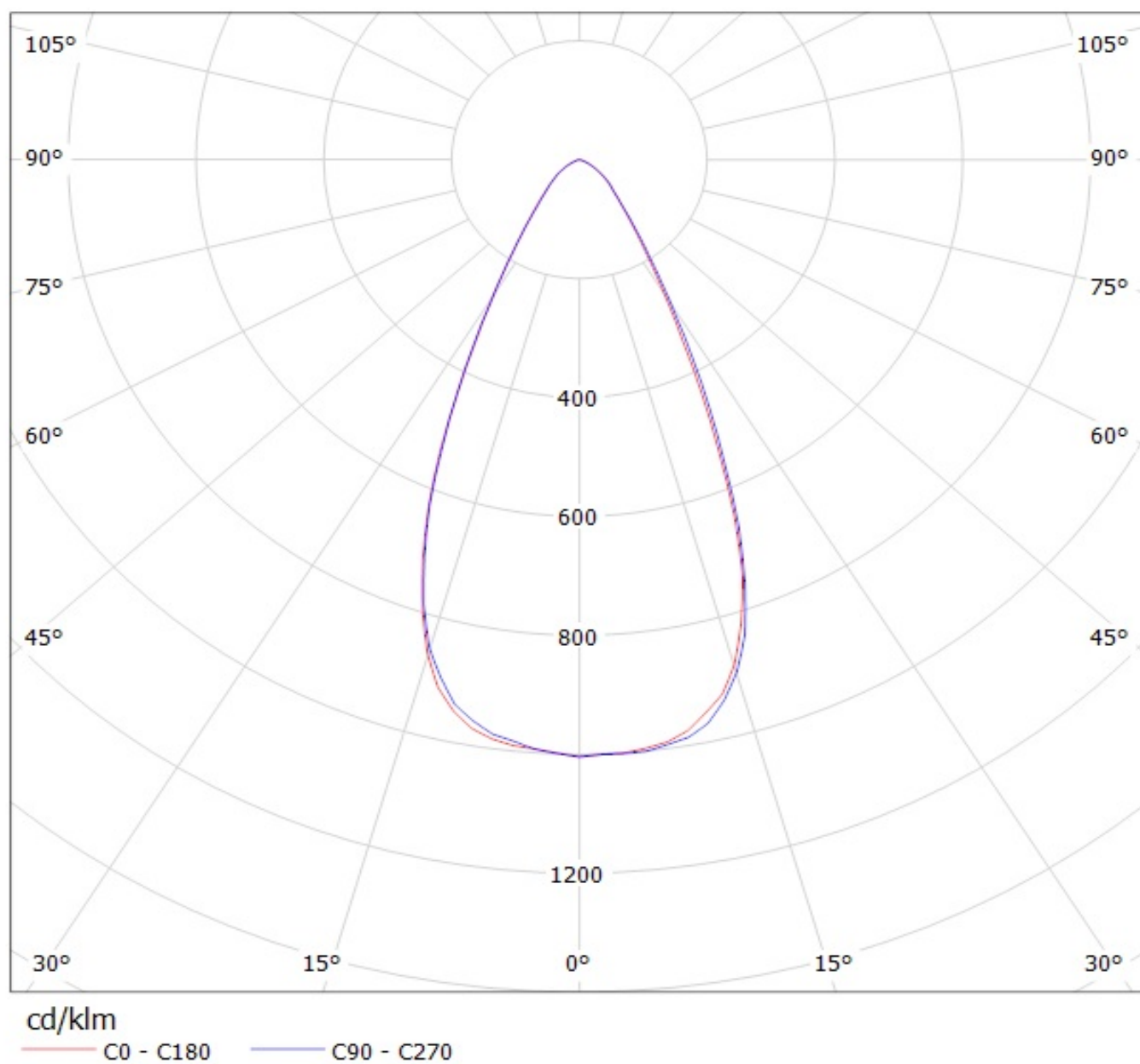


Luminaire: LEDiL Oy C12361_HB-2X2-W_(LUXEON_Q) Eff.86.3%
Lamps: 1 x LUXEON_Q_2x2_(LHQ-3080)_298.363lm@250mA_P=2.87385W_I=249.9mA

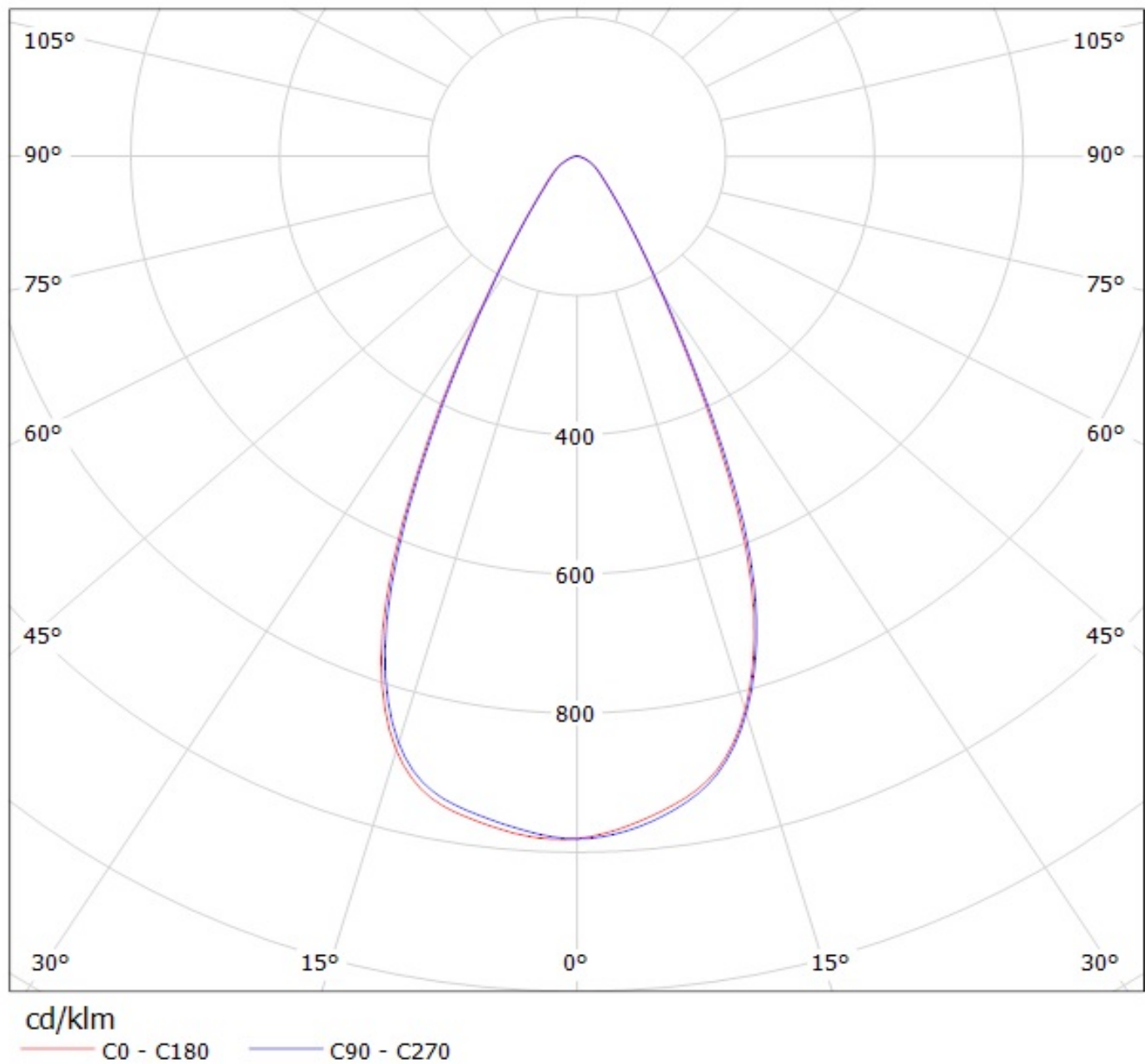


Luminaire: LEDil Oy C12361_HB-2x2-W_(NCSxx19B) Efficiency=85%

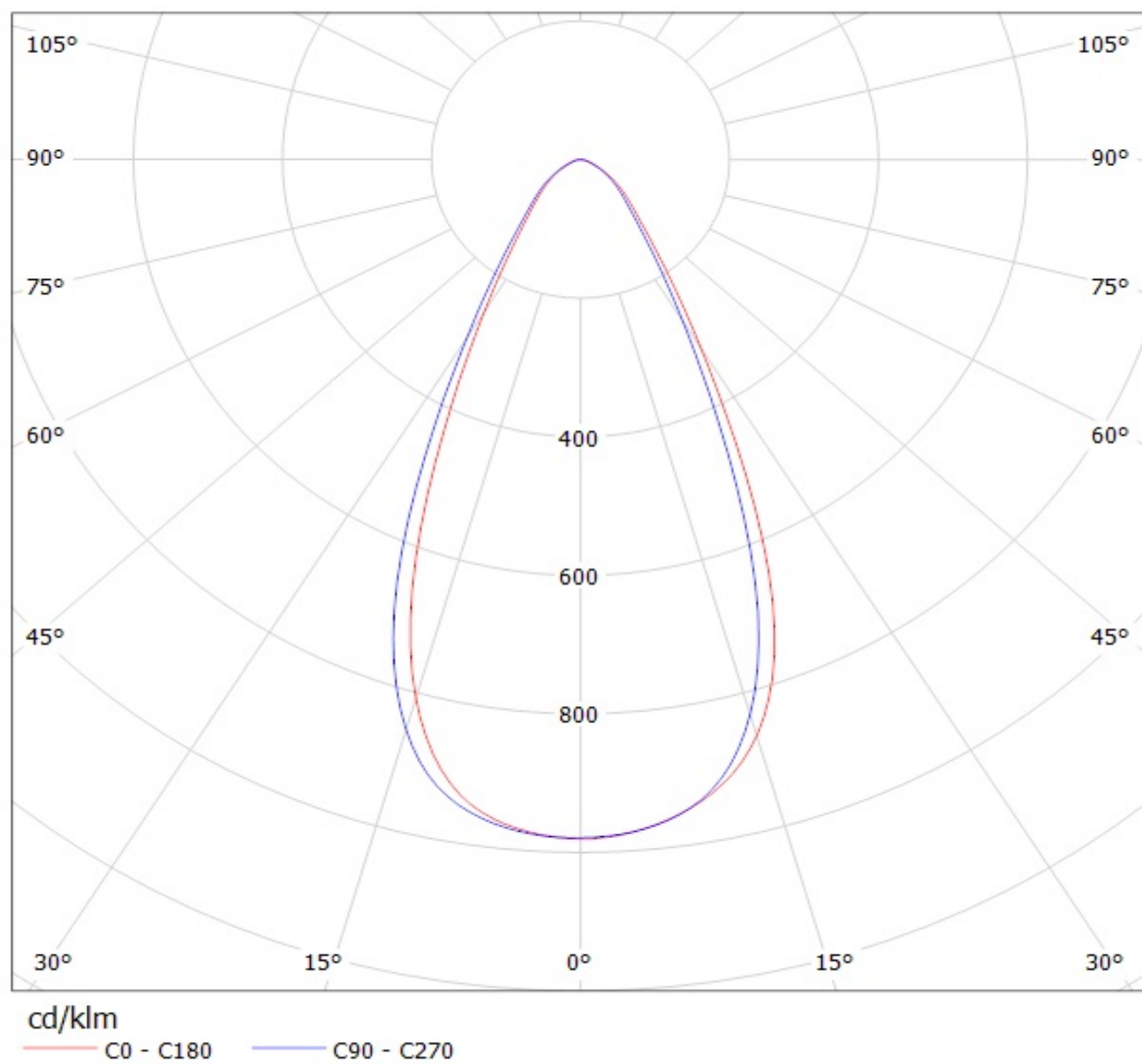
Lamps: 1 x Nichia NCSxx19b (NCSW119BE) 425lm @ 250mA CCT=5400K P=3.1W I=250mA



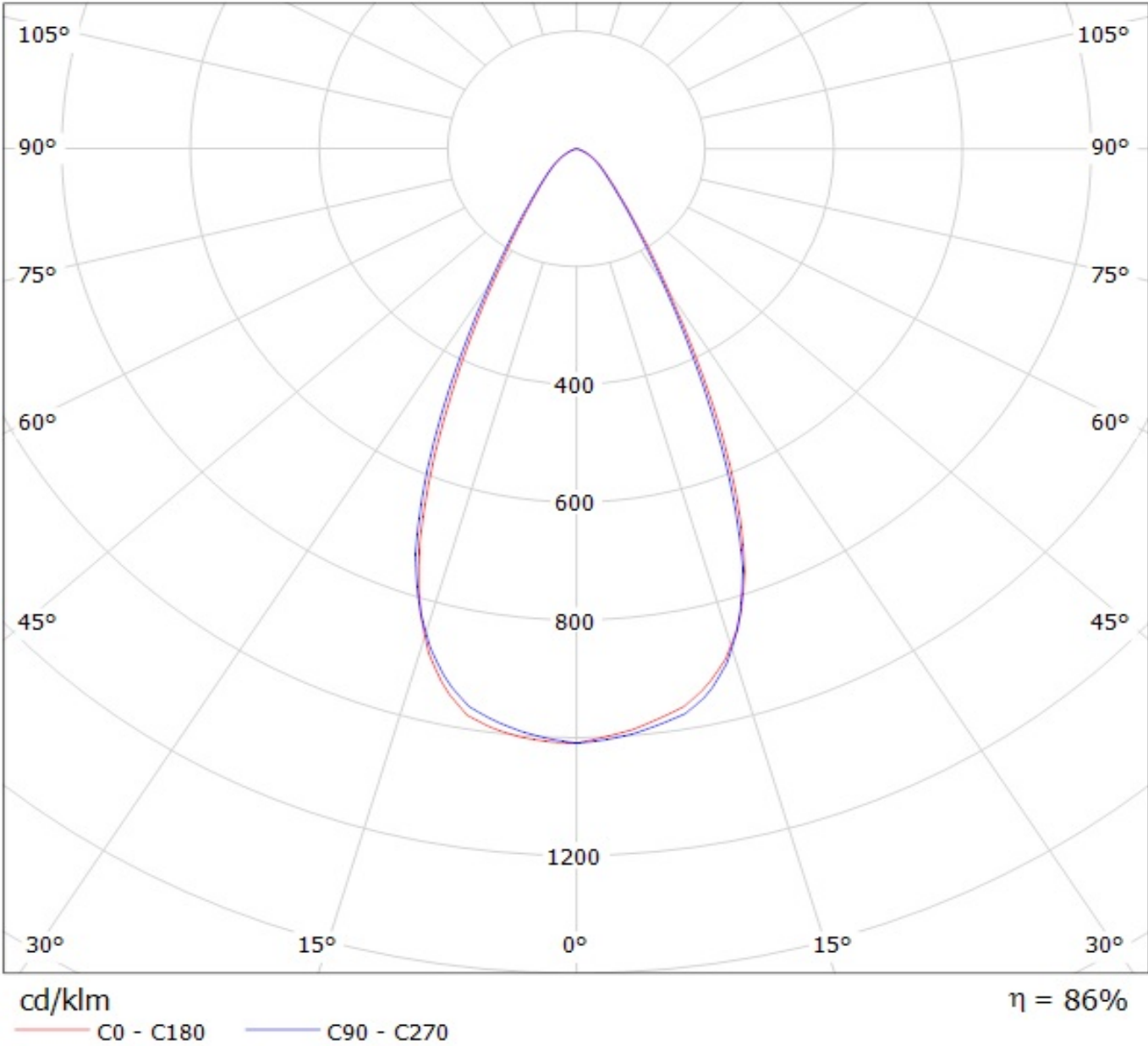
Luminaire: LEDiL Oy C12361_HB-2X2-W_(LH351Z) Eff.87.4%
Lamps: 1 x SAMSUNG_LH351Z_2x2_359.49lm@250mA_P=2.86371W_I=249.8mA



Luminaire: LEDIL OY C12361_HB-2X2 (XT-E AWT) Efficiency=89%
Lamps: 1 x Cree XT-E AWT (390lm@250mA)

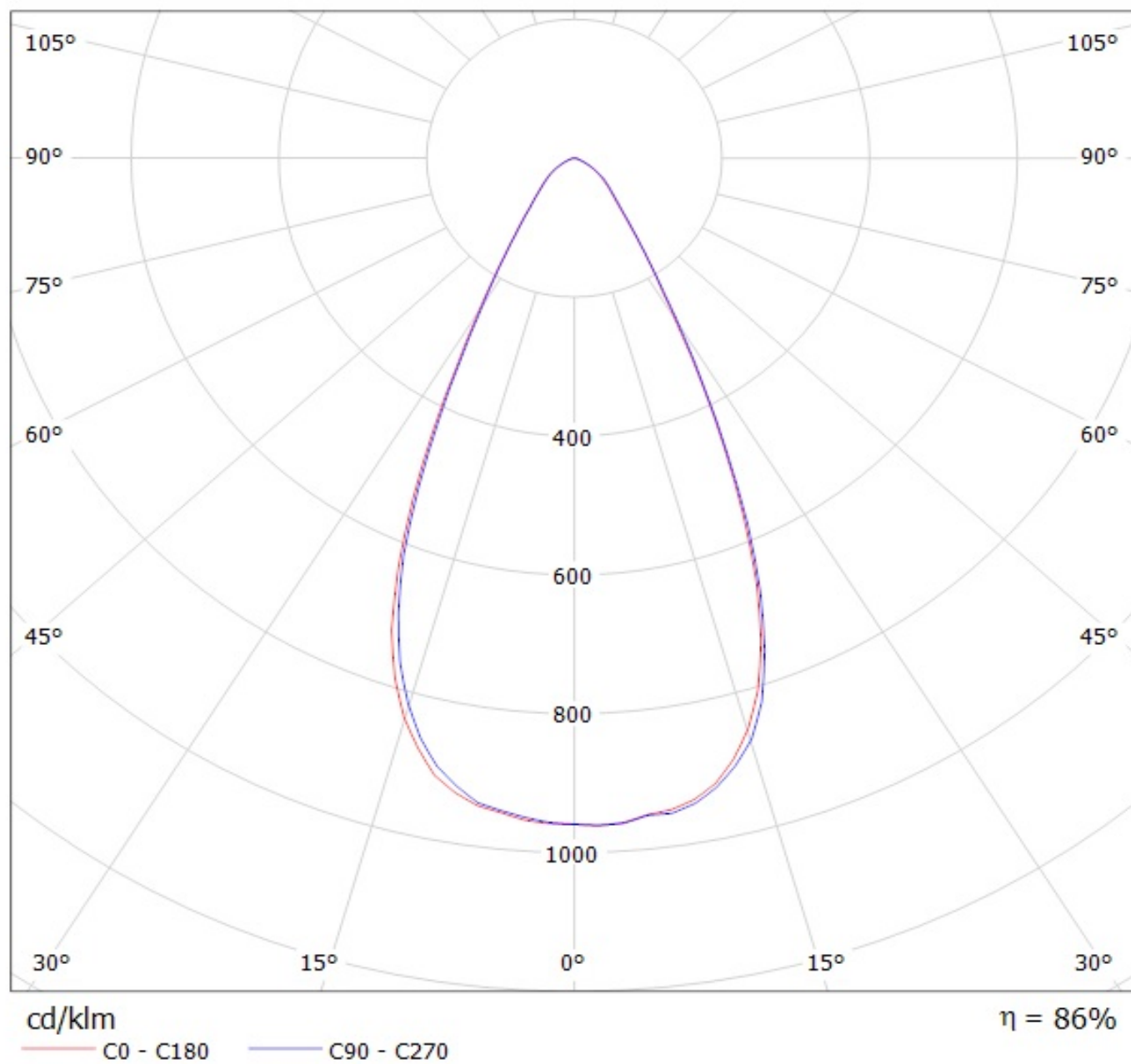


Luminaire: LEDil Oy C12361_HB-2X2-W_(Z5M1) Efficiency=85%
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA

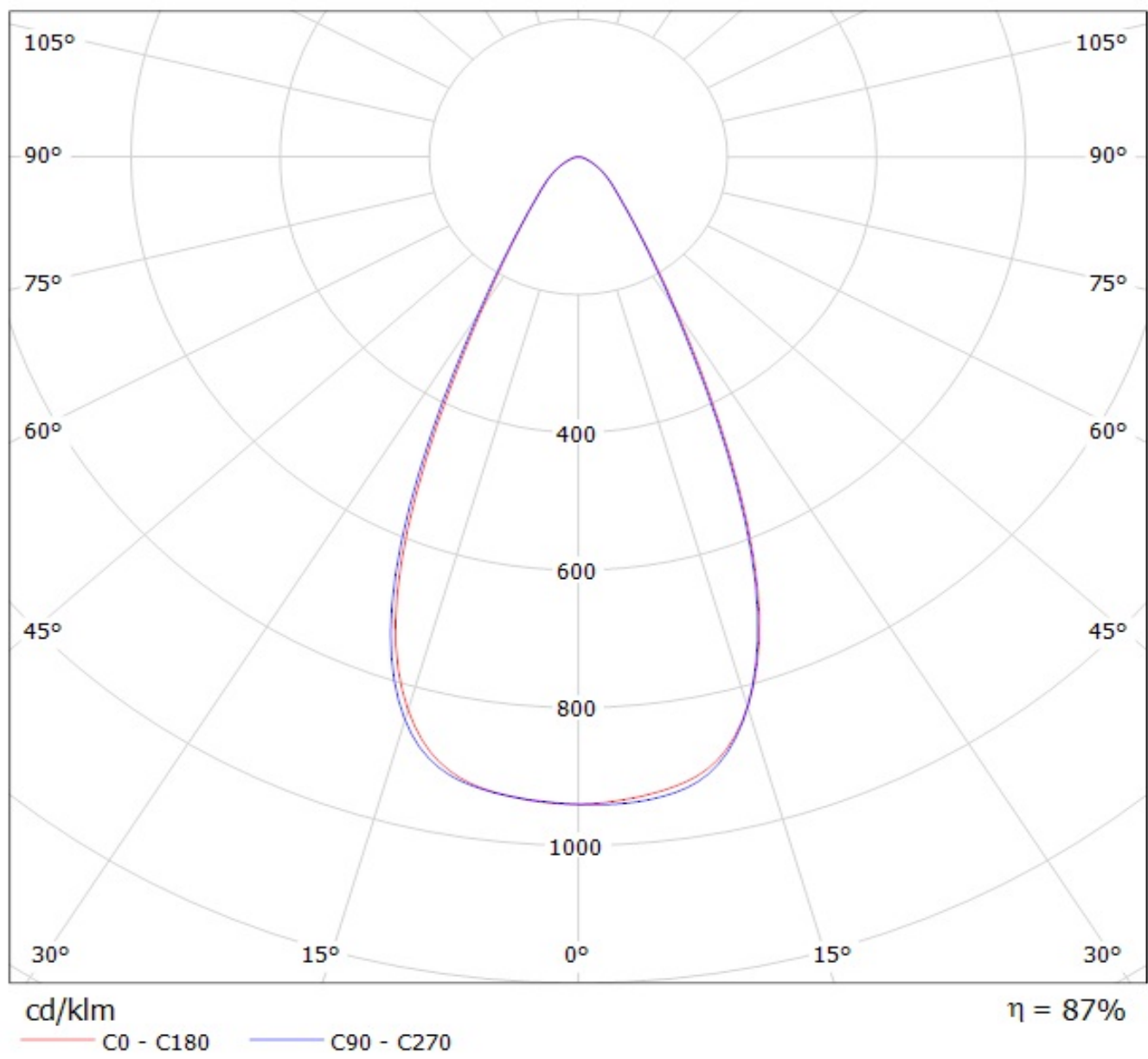


Luminaire: Ledil Oy C12361_HB-2X2-W_(NVS19B) Efficiency=85%

Lamps: 1 x Nichia NVS19B (NVSL219BE) 308lm @ 250mA CCT= P=2.89W I=250mA

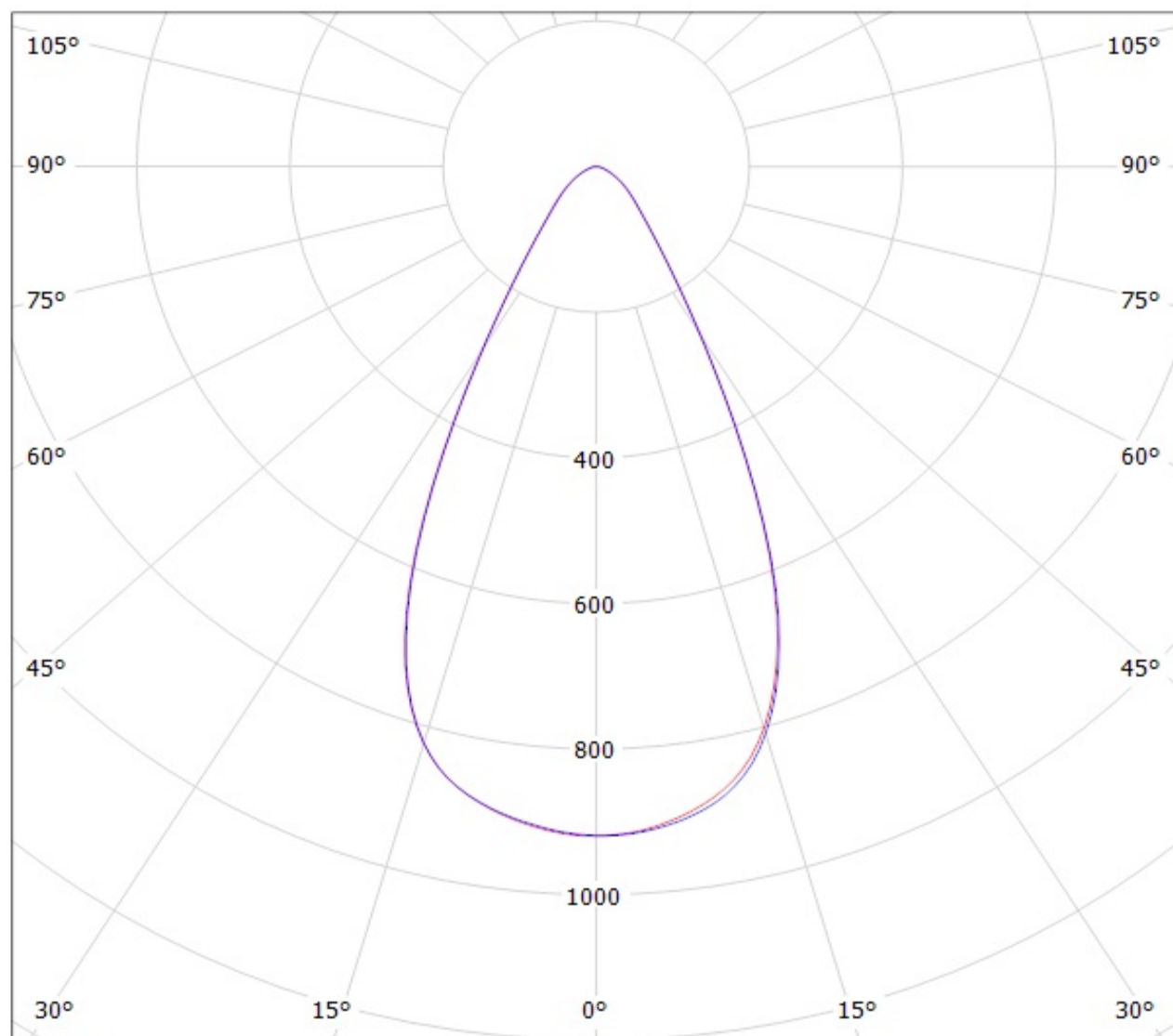


Luminaire: LEDIL OY C12361_HB-2X2 (RE-ES) Efficiency=87%
Lamps: 1 x Luxeon Rebel-ES (339lm @ 250mA)



Luminaire: LEDIL OY C12361_HB-2X2 (XP-G) Efficiency=88%

Lamps: 1 x Cree XP-G (257lm @ 250mA)



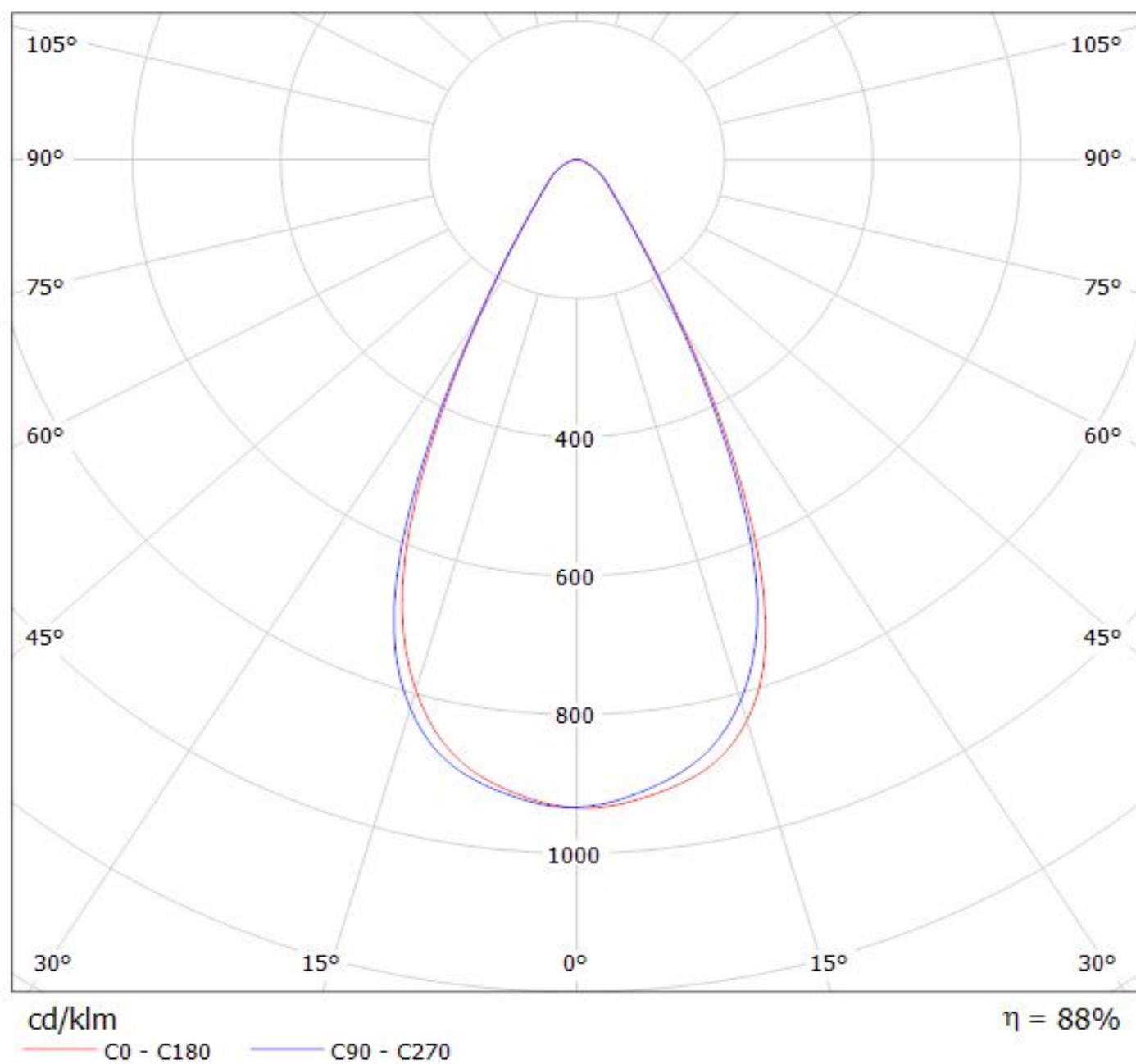
cd/klm

— C0 - C180

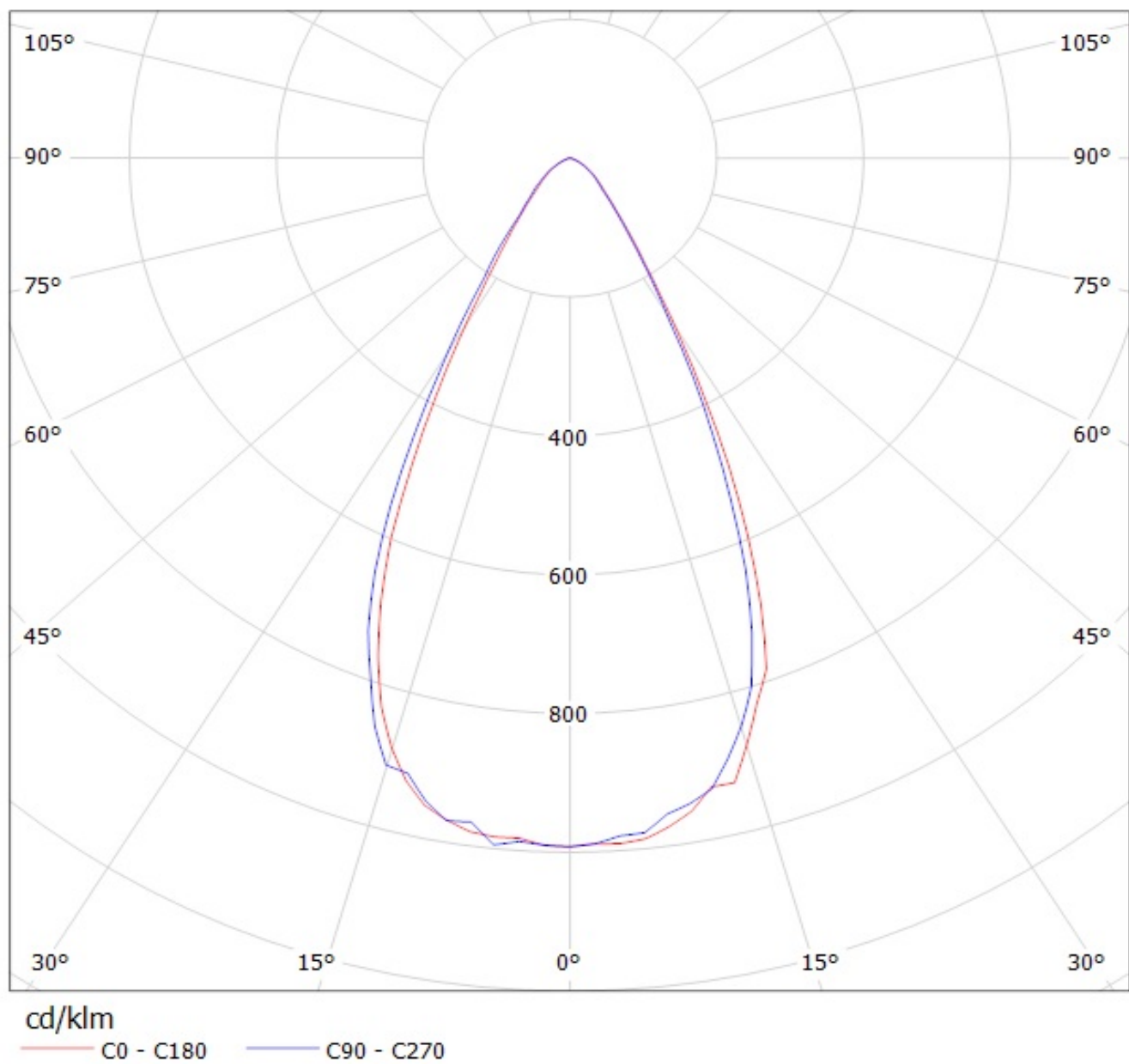
— C90 - C270

Luminaire: LEDiL Oy C12361_HB-2X2-W_(LH351B) Eff.87.6%

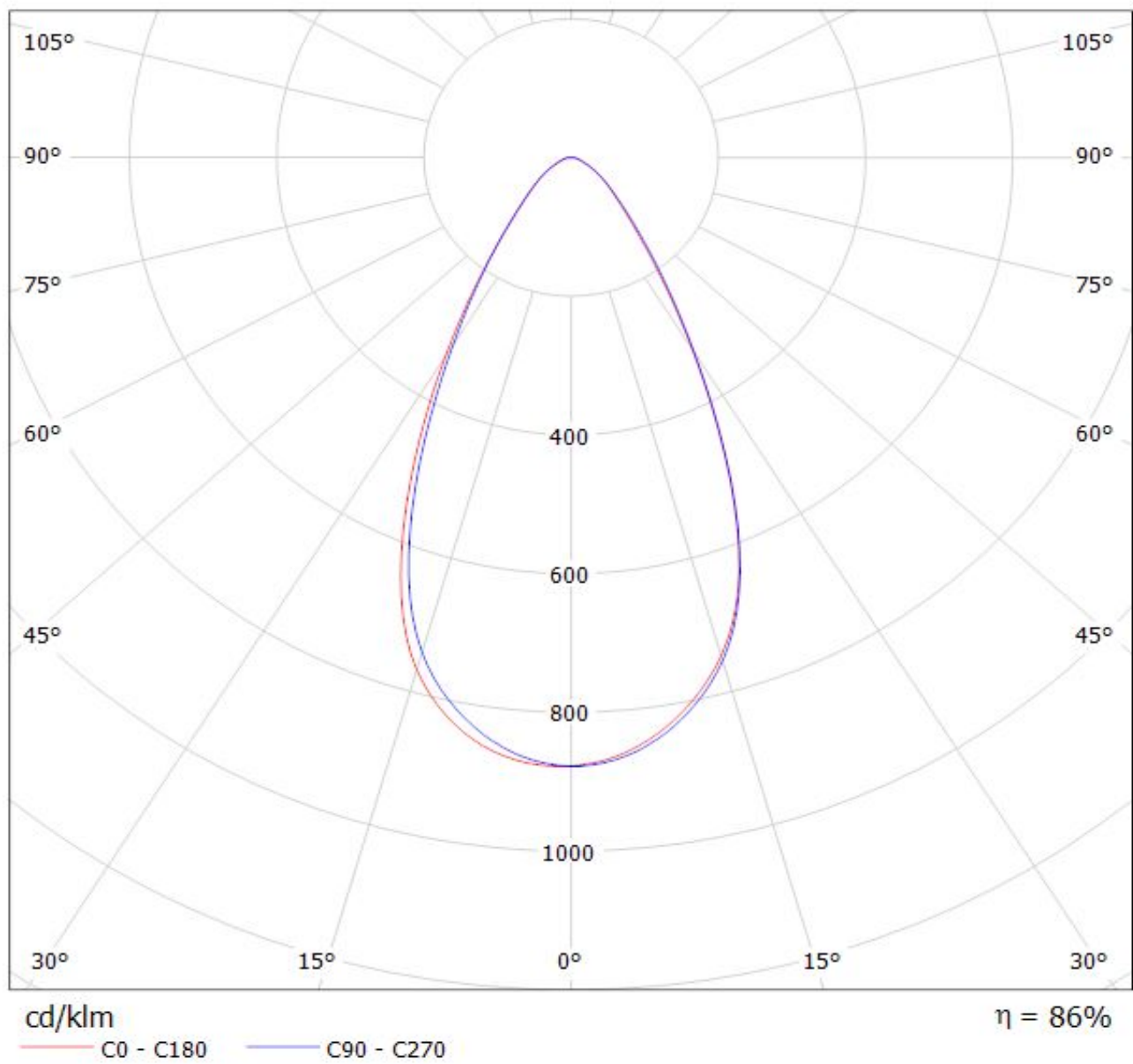
Lamps: 1 x SAMSUNG_LH351B_2x2_430.715lm@250mA_P=2.84311W_I=249.9mA



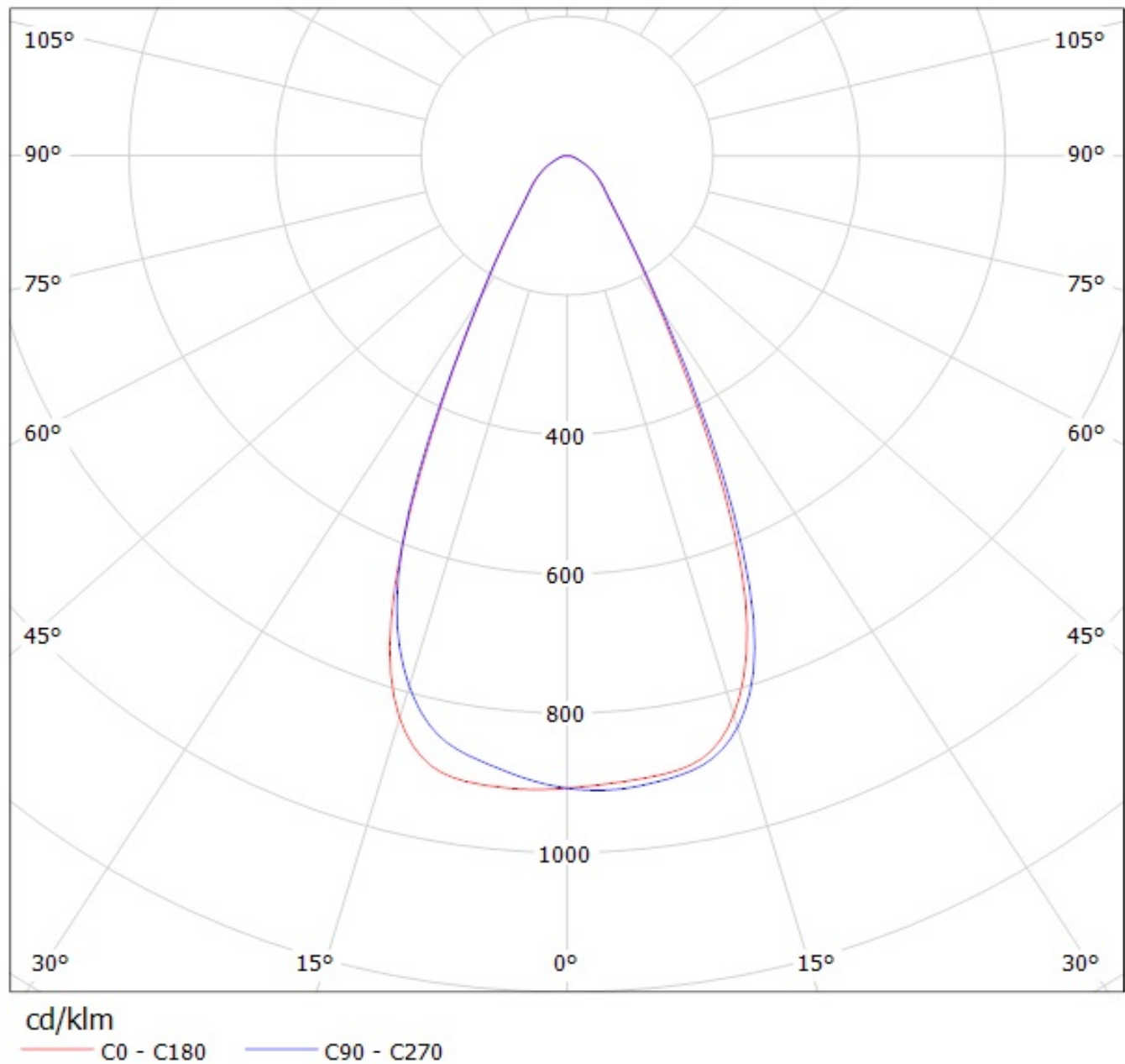
Luminaire: Ledil Oy C12361_HB-2X2-W_(3535_Ceramic_gen2) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 461lm @ 250mA CCT=6600K P=2.9W I=250mA



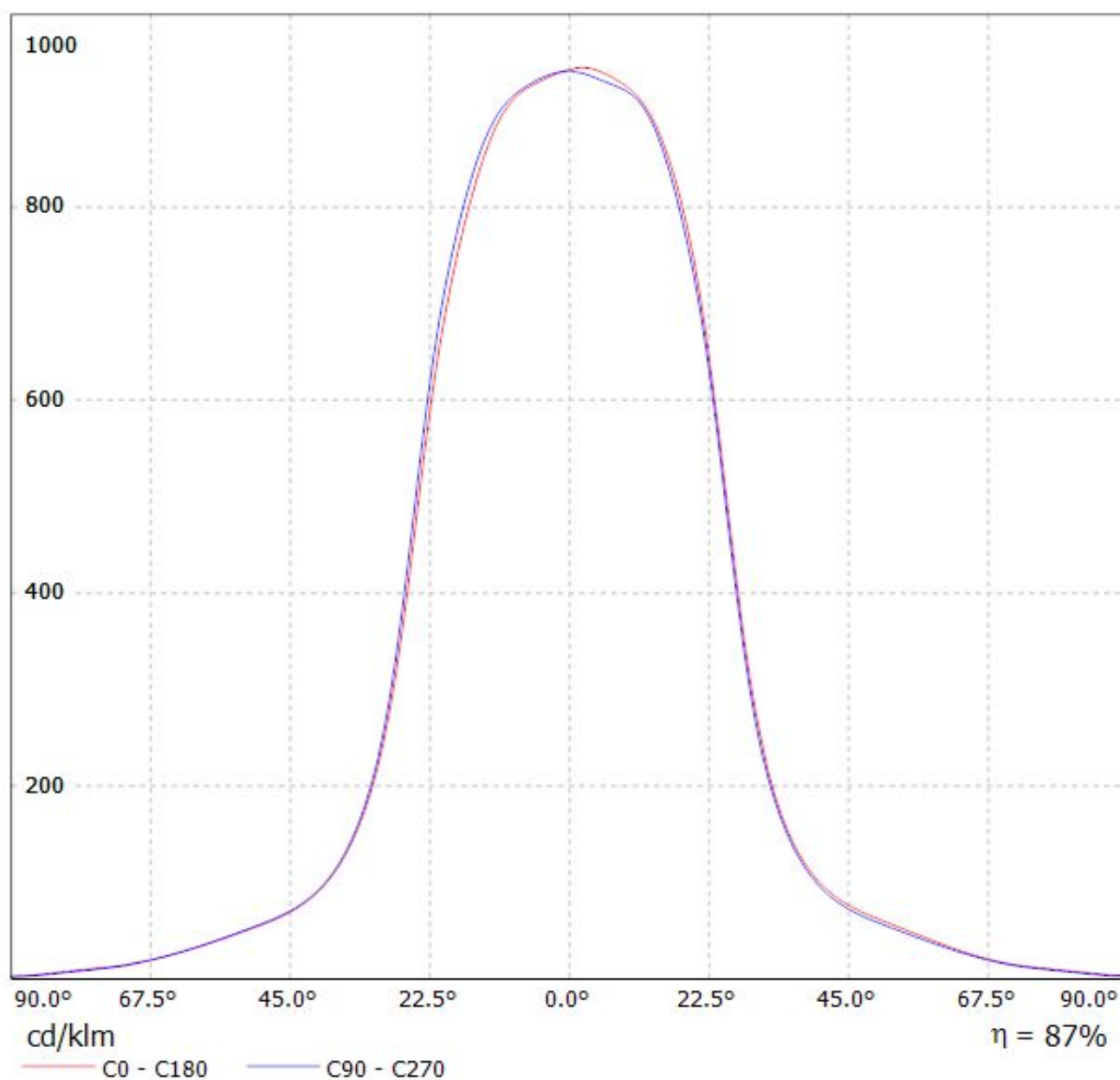
Luminaire: LEDiL Oy C12361_HB-2X2-W_(NS9x383) Eff. 86%
Lamps: 1 x Nichia NS9x383 (288lm@250mA)



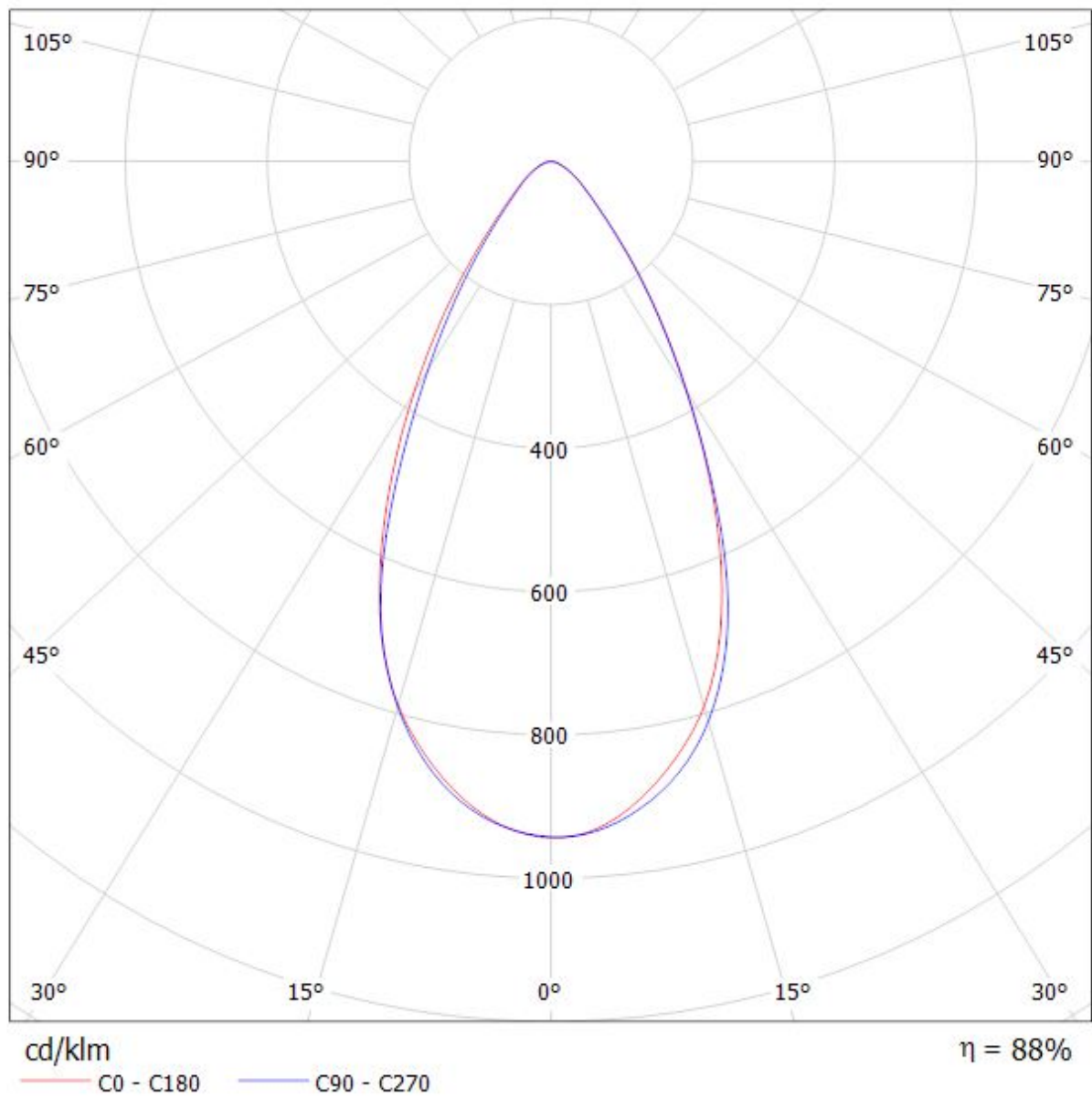
Luminaire: LEDIL OY C12361_HB-2X2_(SQ_PC) Efficiency=87%
Lamps: 1 x OSLOM SQUARE PC (400.6lm)



Luminaire: LEDiL Oy C12361_HB-2X2-W_(LUXEON_T)_1 Eff.87.0%
Lamps: 1 x LUXEON_T 2x2 (294lm@250mA)

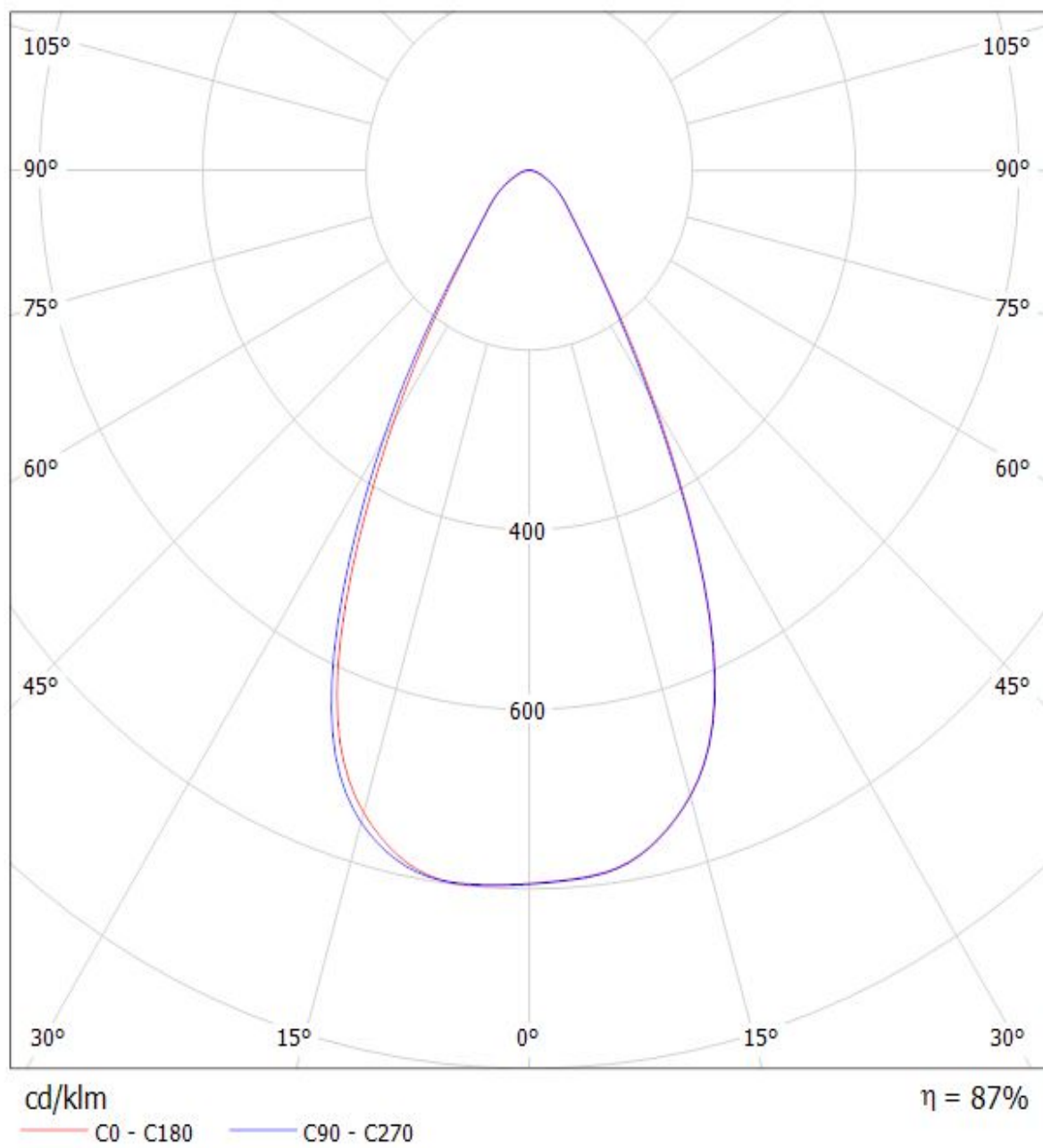


Luminaire: LEDiL Oy C12361_HB-2X2-W_(OLP-5065F6L-06A) Eff.88.5%
Lamps: 1 x OPTOGAN_2x2_(OLP-5065F6L-06A-80-D0500) 423.091lm@250mA CCT=5000K P=2.98506W I=249.9mA

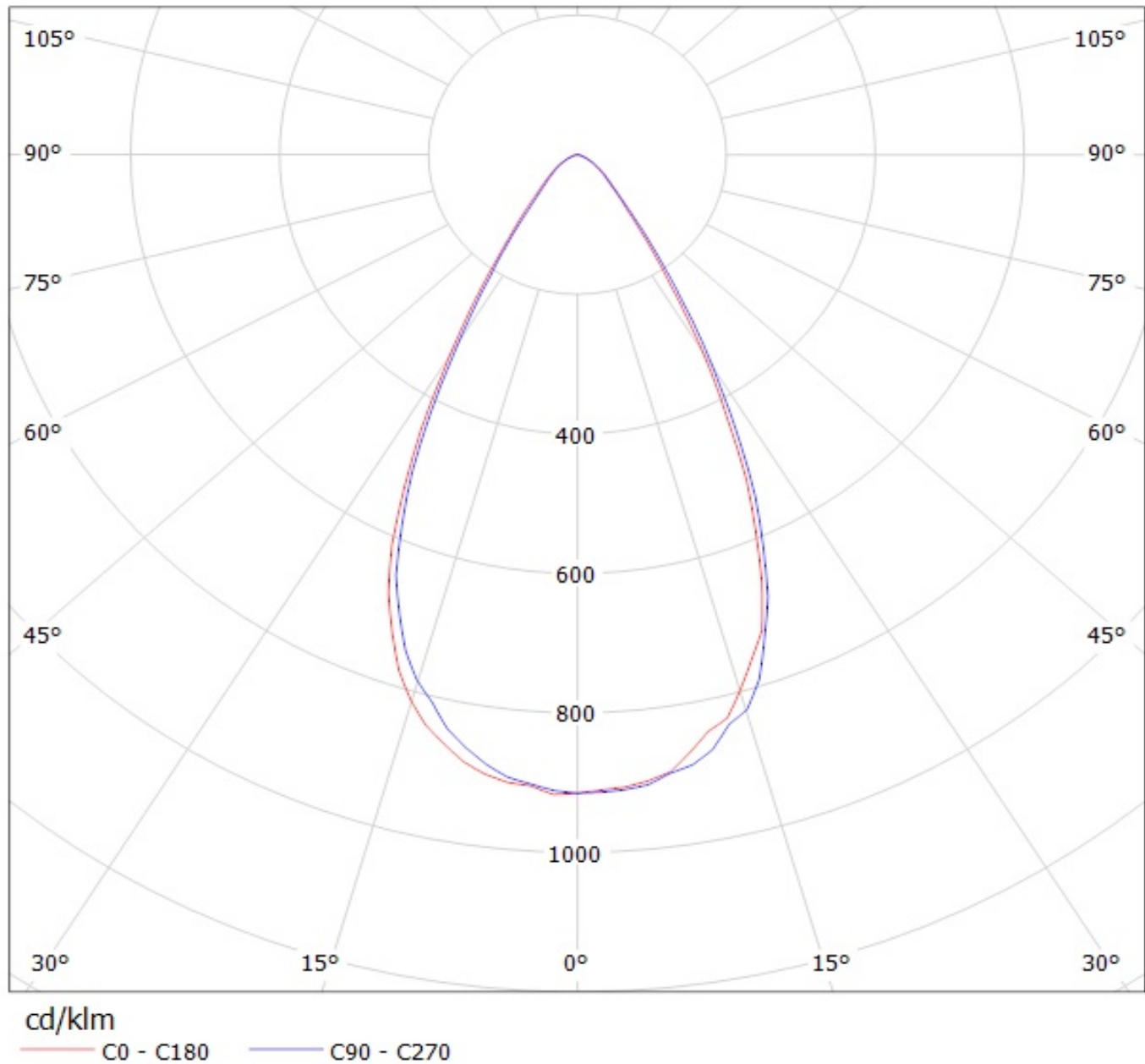


Luminaire: LEDiL Oy C12361_HB-2X2-W_(XP-L) Eff.87.0%

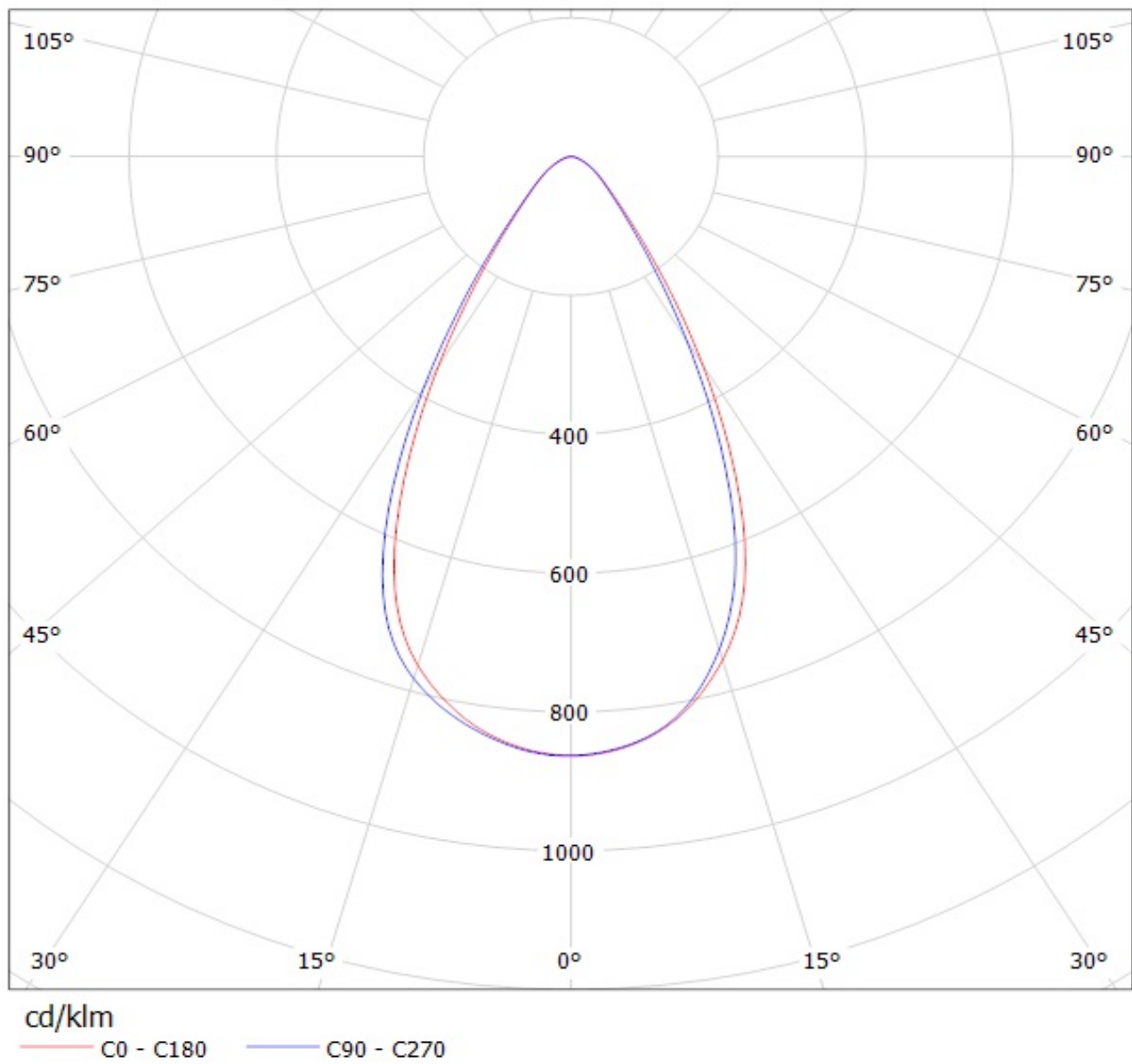
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_504.373lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA



Luminaire: Ledil Oy C12361_HB-2X2-W_(XM-L2) Efficiency=87%
Lamps: 1 x Cree XM-L2 (CXMLBWT-0-7B4-T30-0L-001) 360lm @ 250mA CCT=3220K P=2.8W I=250mA



Luminaire: LEDIL OY C12361_HB-2X2 (XM-L) Efficiency=89%
Lamps: 1 x Cree XM-L (395lm @ 250mA)



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.