

DETAILS

Product Number	FN15966_RONDA-WWW-C
Family	Ronda
Type	Assembly
Color	clear
Diameter	53,9 mm
Height	16,6 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	socket
Status	production ready
ROHS Compliant	Yes
Date Updated	22/01/2018

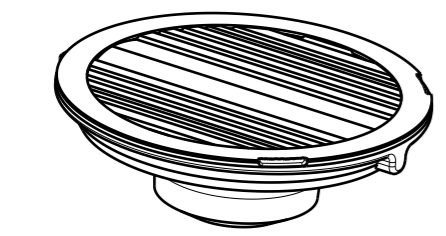


OPTICAL PROPERTIES

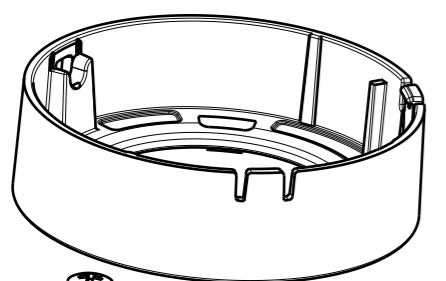
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
V6 Gen6	89 deg	WWW-class	90 %	0.560	LEDiL: F15253_HEKLA-SOCKET-A
Vesta TW 9mm (12W)	75 deg	WWW-class	86 %	0.550	LEDiL: C16142_HEKLA-SOCKET-K
VERO10	82 deg	WWW-class	89 %	0.490	-
Vesta DTW 15mm (33W)	67 deg	WWW-class	78 %	0.580	Bender Wirth: 491 Typ L8
CLL02x/CLU02x (LES10)	81 deg	WWW-class	89 %	0.500	LEDiL: F15255_HEKLA-SOCKET-C
CLU700/701	93 deg	WWW-class	89 %	0.520	LEDiL: F15255_HEKLA-SOCKET-C
LCN-C01B (Tunable White)	74 deg	WWW-class	86 %	0.570	LEDiL: C16142_HEKLA-SOCKET-K
CLC020 Series (Dim-To-Warm)	73 deg	WWW-class	86 %	0.590	LEDiL: C16142_HEKLA-SOCKET-K
CXA/B 13xx	94 deg	WWW-class	90 %	0.500	LEDiL: F15956_HEKLA-SOCKET-J
CXA/B 15xx	84 deg	WWW-class	90 %	0.500	LEDiL: F15256_HEKLA-SOCKET-D
LUXEON CoB 1202s	94 deg	WWW-class	90 %	0.500	LEDiL: F15848_HEKLA-SOCKET-G
LC020C	87 deg	WWW-class	90 %	0.480	LEDiL: F15848_HEKLA-SOCKET-G
LC010C	94 deg	WWW-class	89 %	0.480	LEDiL: F15848_HEKLA-SOCKET-G
COB D Series LES 9.8 mm	81 deg	WWW-class	90 %	0.510	LEDiL: F15255_HEKLA-SOCKET-C
COB D Series LES 14.5 mm	80 deg	WWW-class	82 %	0.470	LEDiL: F15859_HEKLA-SOCKET-I
MJT COB LES 9.8	79 deg	WWW-class	86 %	0.510	LEDiL: F15255_HEKLA-SOCKET-C
MJT COB LES 6	91 deg	WWW-class	86 %	0.510	LEDiL: F15255_HEKLA-SOCKET-C
SLE G6 LES10	sim: 85	WWW-class	sim: 93 %	sim: 0.487	LEDiL: F15255_HEKLA-SOCKET-C

OPTIC/HOLDER ASSEMBLY

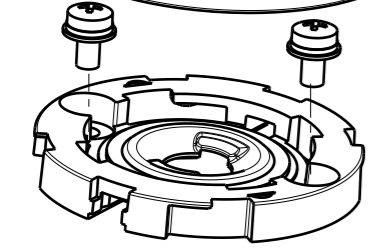
1. Place pin on the side of the lens into relative hole on the holder.
2. Press the lens under clips on the holder, ensuring both clips are fixed.



Ronda optics



F15635_RONDA-HLD-C

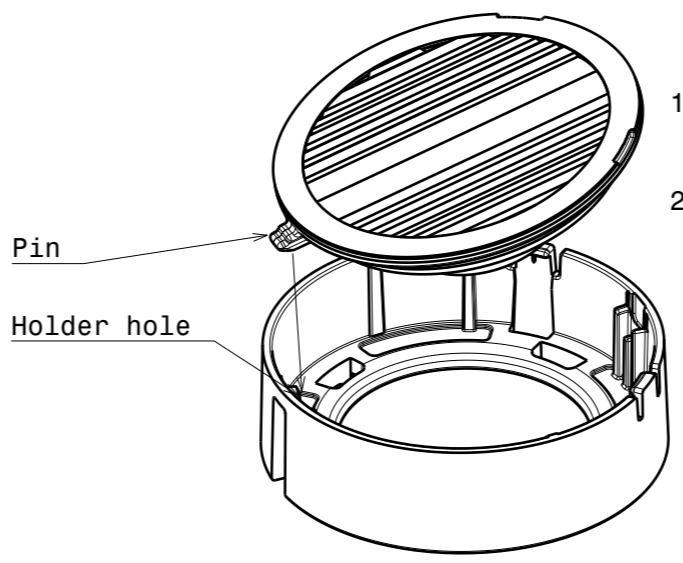


M3 screw+washer

Hekla socket, see compatibility www.ledil.com

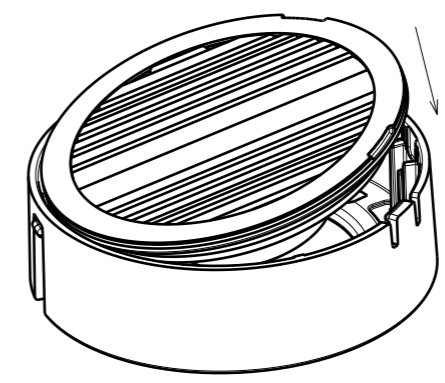


Led, see compatibility www.ledil.com

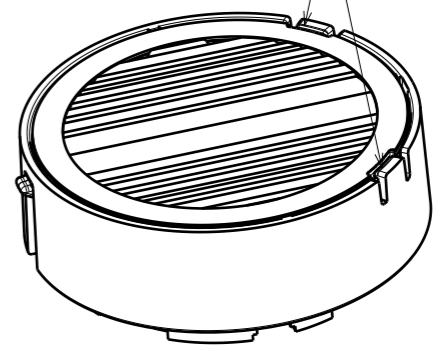


Pin

Holder hole

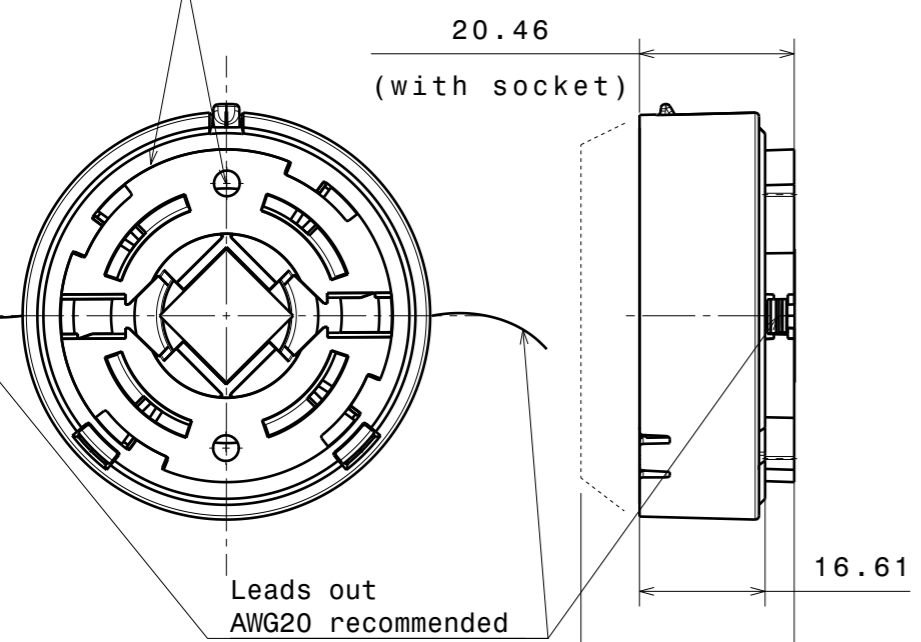


Clips

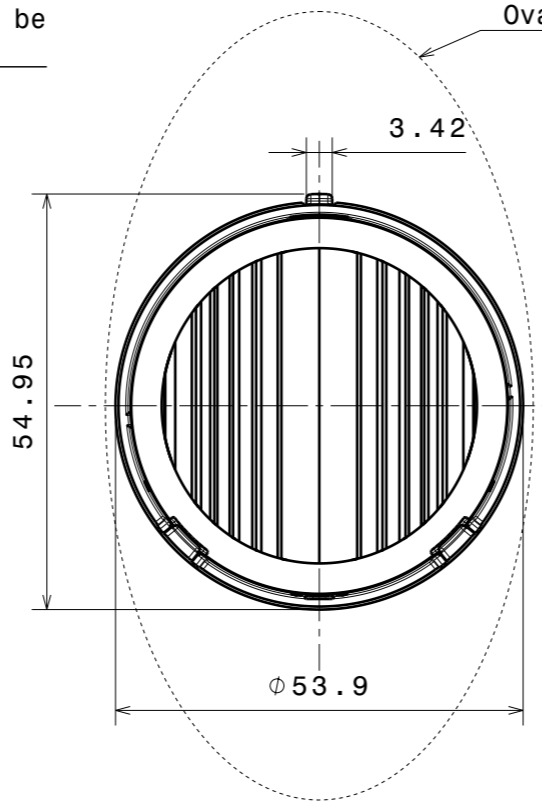


Holder C can be turned 90°->fixing screw can be at beam direction or 90°angle to it

Oval beam direction



Leads out AWG20 recommended



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		
	DRAWING TITLE RONDA-C_Datasheet		

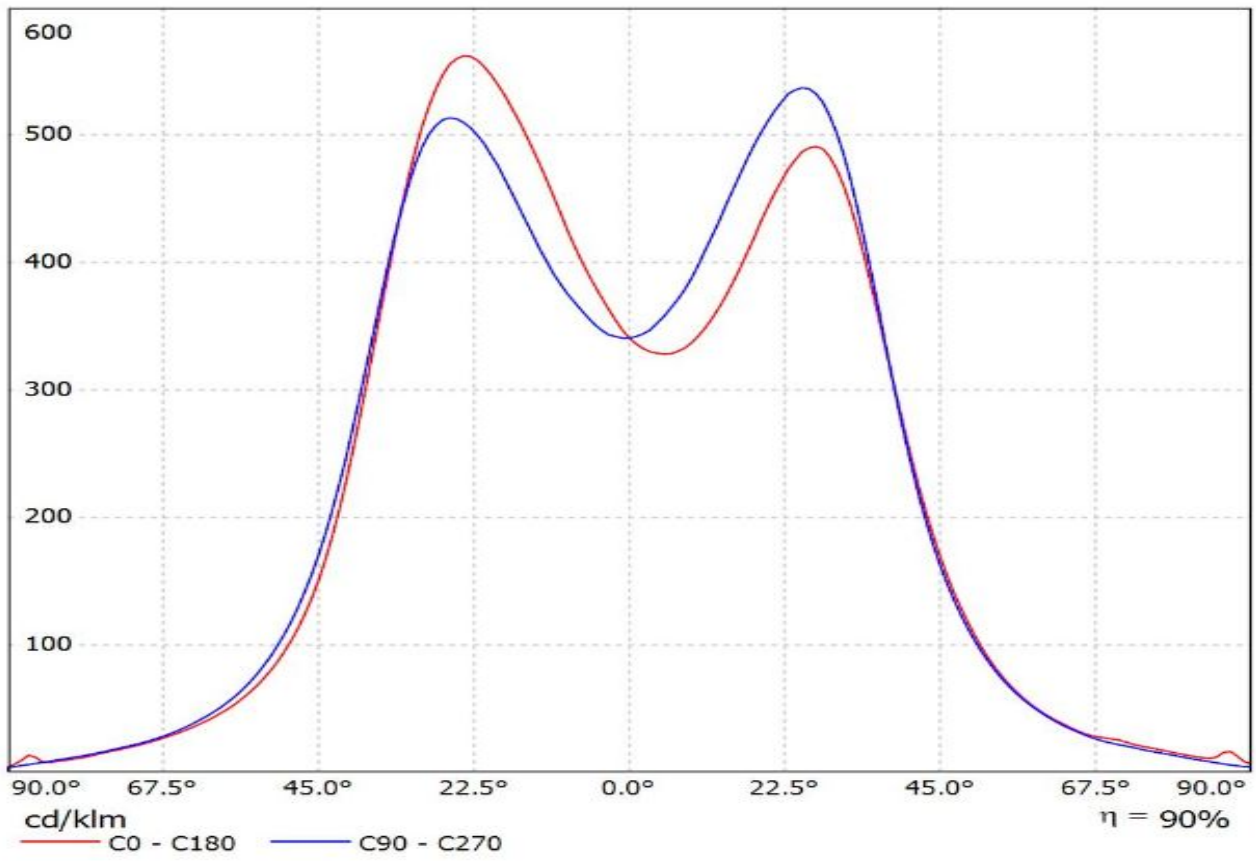
THIRD ANGLE PROJECTION:

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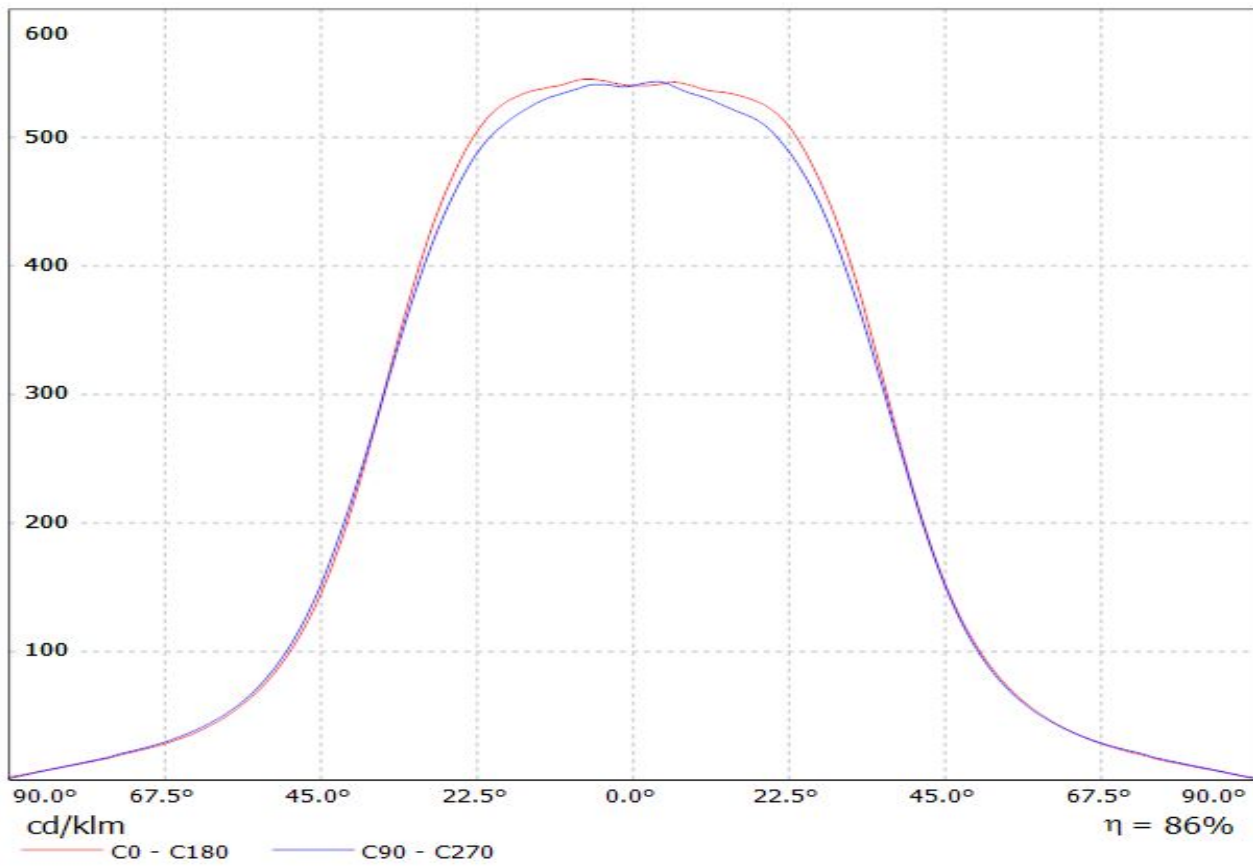
SIZE	PART NUMBER		
A3			
SCALE	1:1	WEIGHT	
SHEET			1/1

Luminaire: Ledil FN15966_RONDA-WWW-C_(V6_Gen6_+_F15253)

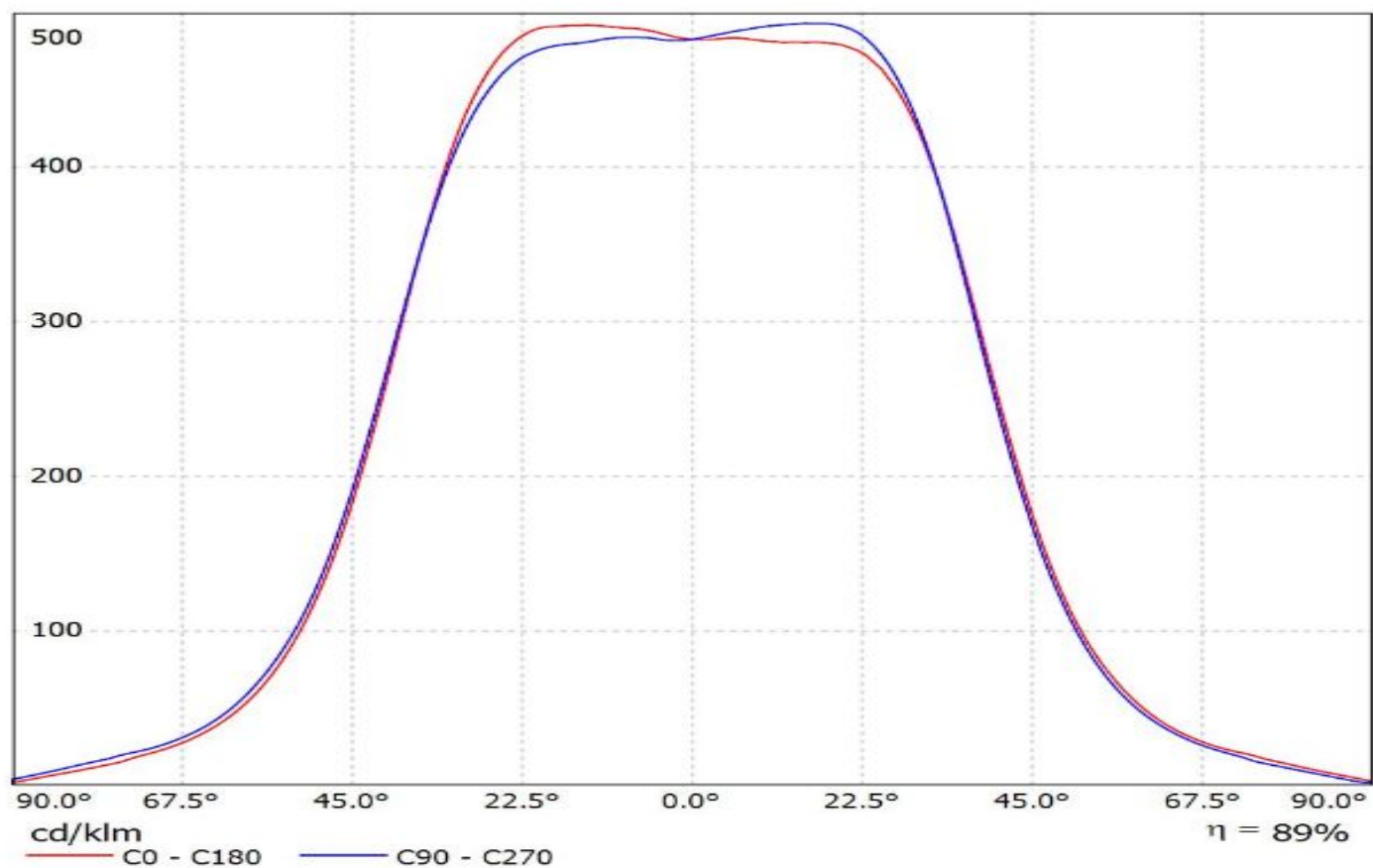
Lamps: 1 x Bridgelux_V6_Gen6_(BXRE-30E0400-A-23)+F15253_499.492lm@250mA_P=4.62365W_I=0.25A



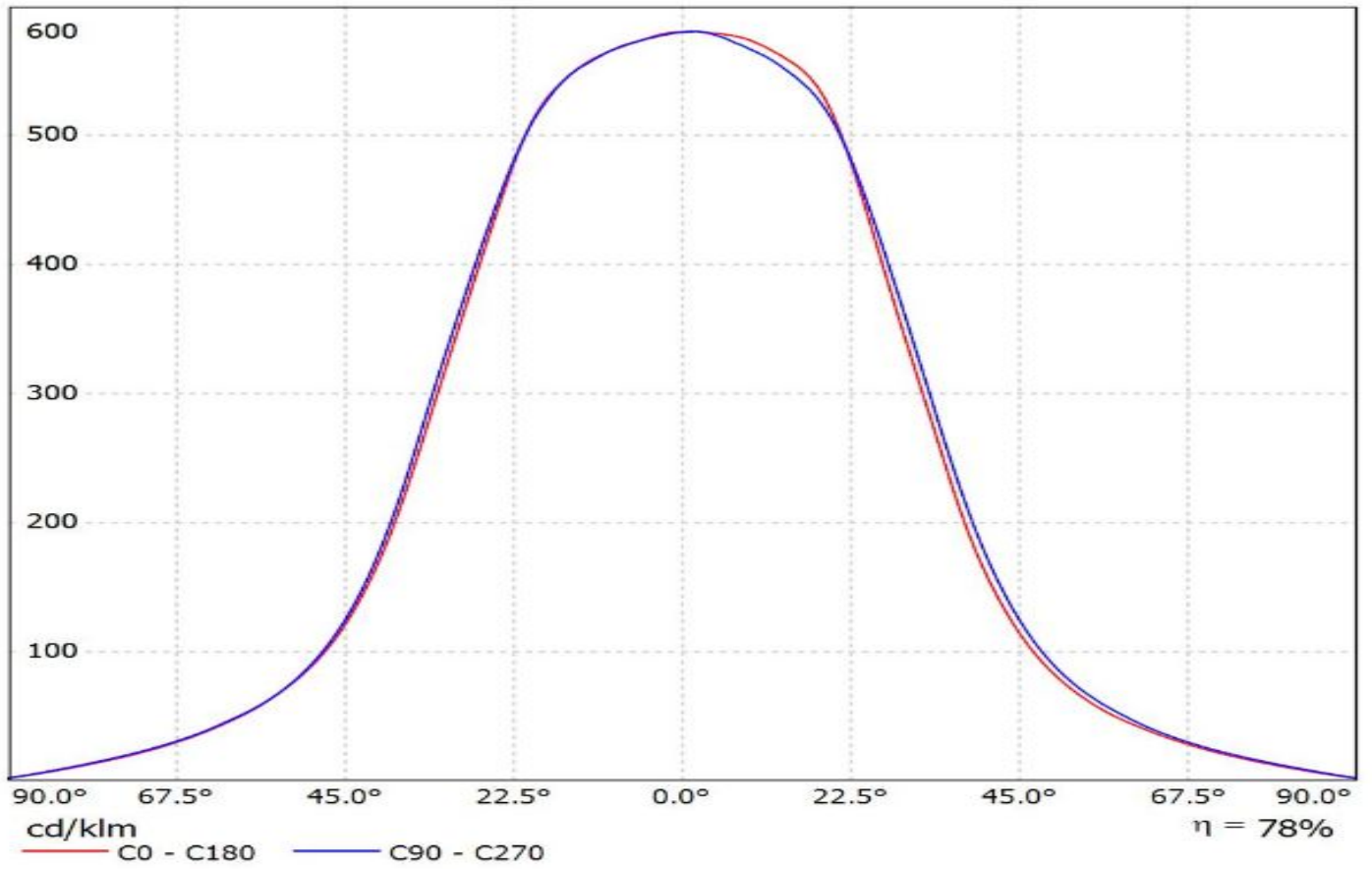
Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(Vesta_TW_9mm)
Lamps: 1 x Bridgelux_Vesta_9mm_(12W)_tunable_white_1147.8lm@700mA_P=11.7839W_I=0.7A



Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(VERO10+F15616)
Lamps: 1 x Bridgelux_VERO10_(30-E1000B-Y2)_+F15616_HEKLA-SOCKET-
F_820.387lm@250mA_CCT=3000K_P=6.48806W_I=0.25A

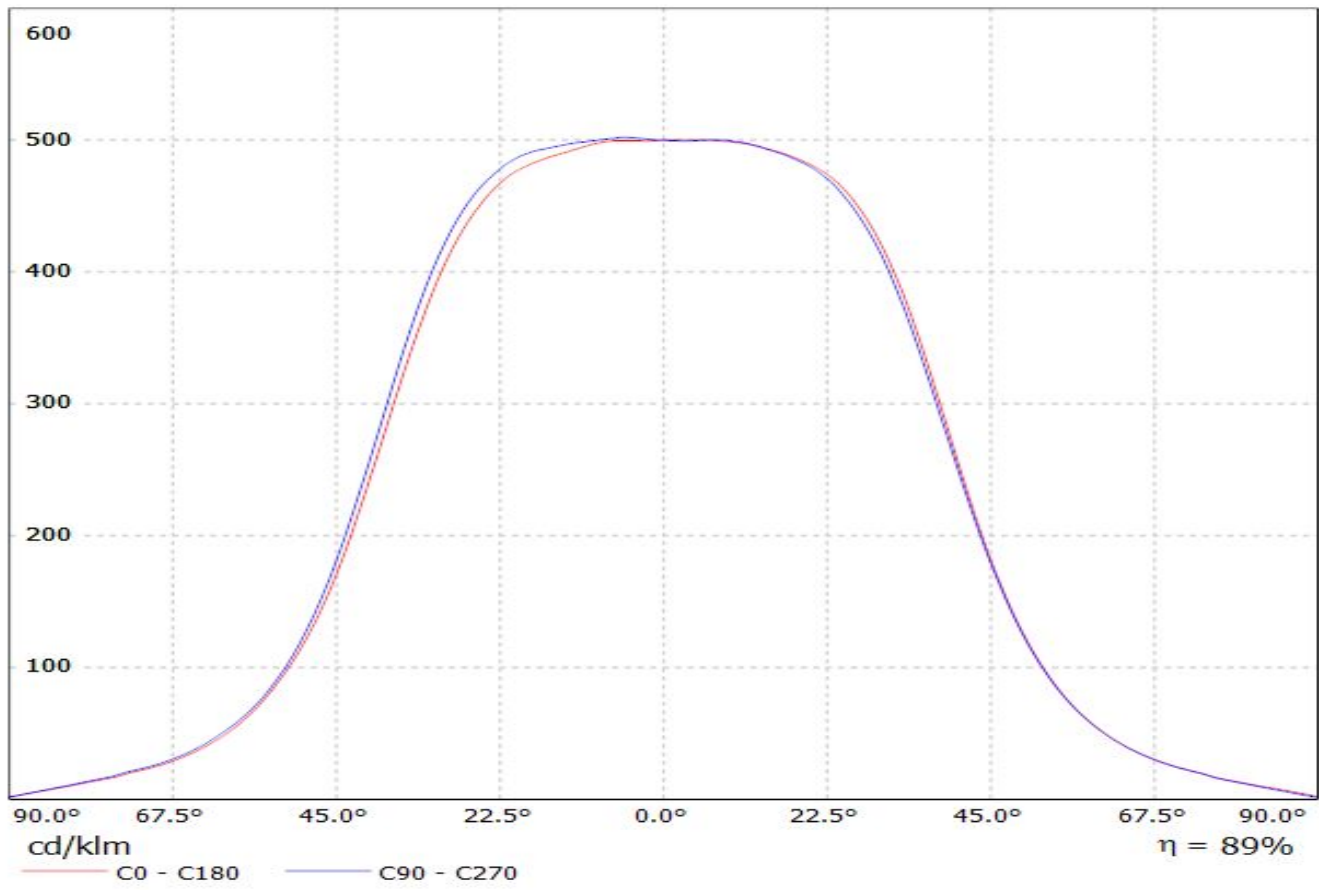


Luminaire: LEDiL Oy FN15966_RONDA-WWW-C (Vesta_DTW_15mm)+C16142+BW
Lamps: 1 x Bridgelux_Vesta_DTW_15mm_33W (BXRV-DR-1830-H-3000-A-13)
+C16142+BW491_TypL8_2922.35lm@950mA_P=32.0644W_η=0.950A



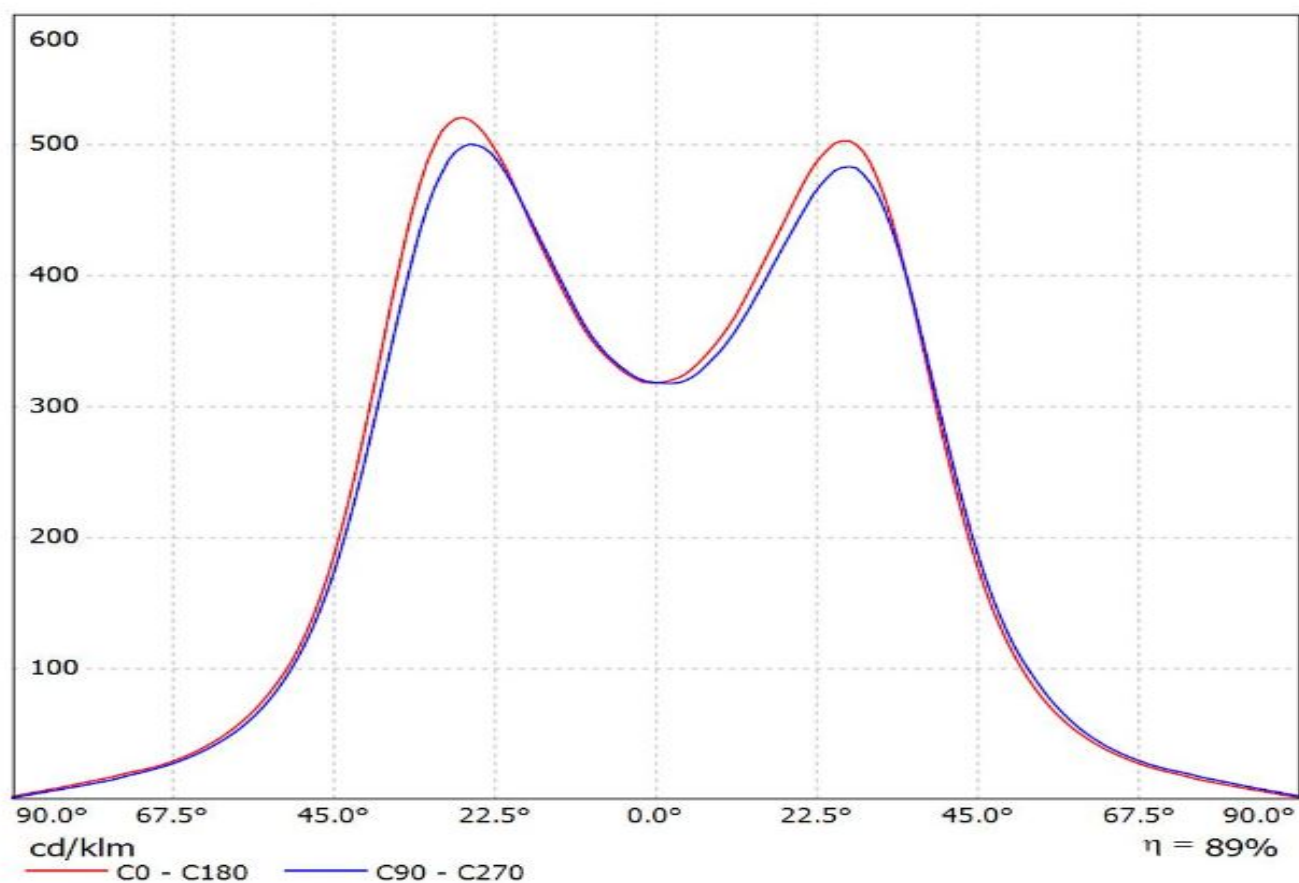
Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CLU024)+F15255

Lamps: 1 x Citizen_CLU024_(1204B8-303M1A2)+F15255_843.482lm@250mA_P=8.27662W_I=0.250A

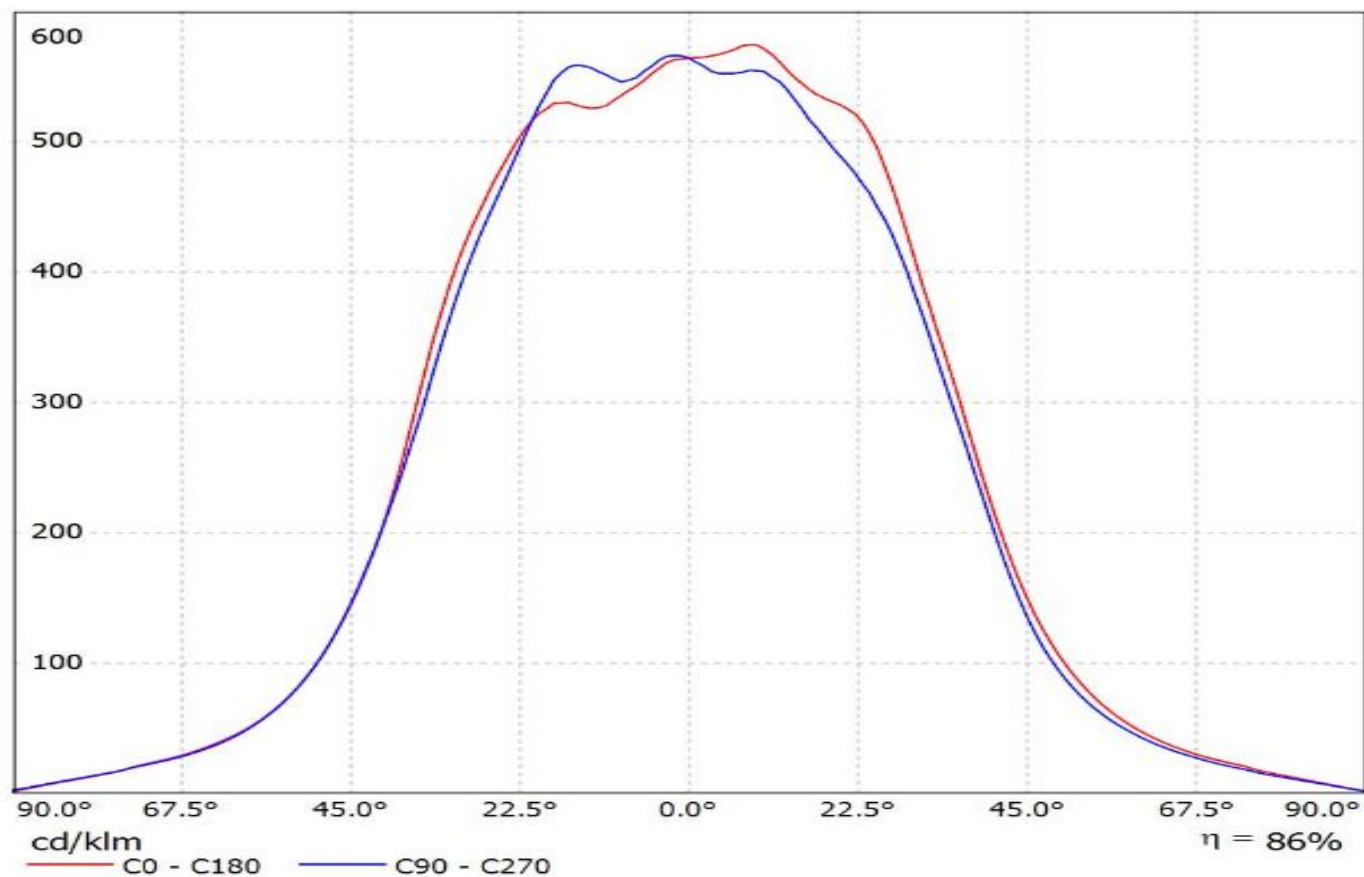


Luminaire: Ledil FN15966_RONDA-WWW-C_(CLU700)

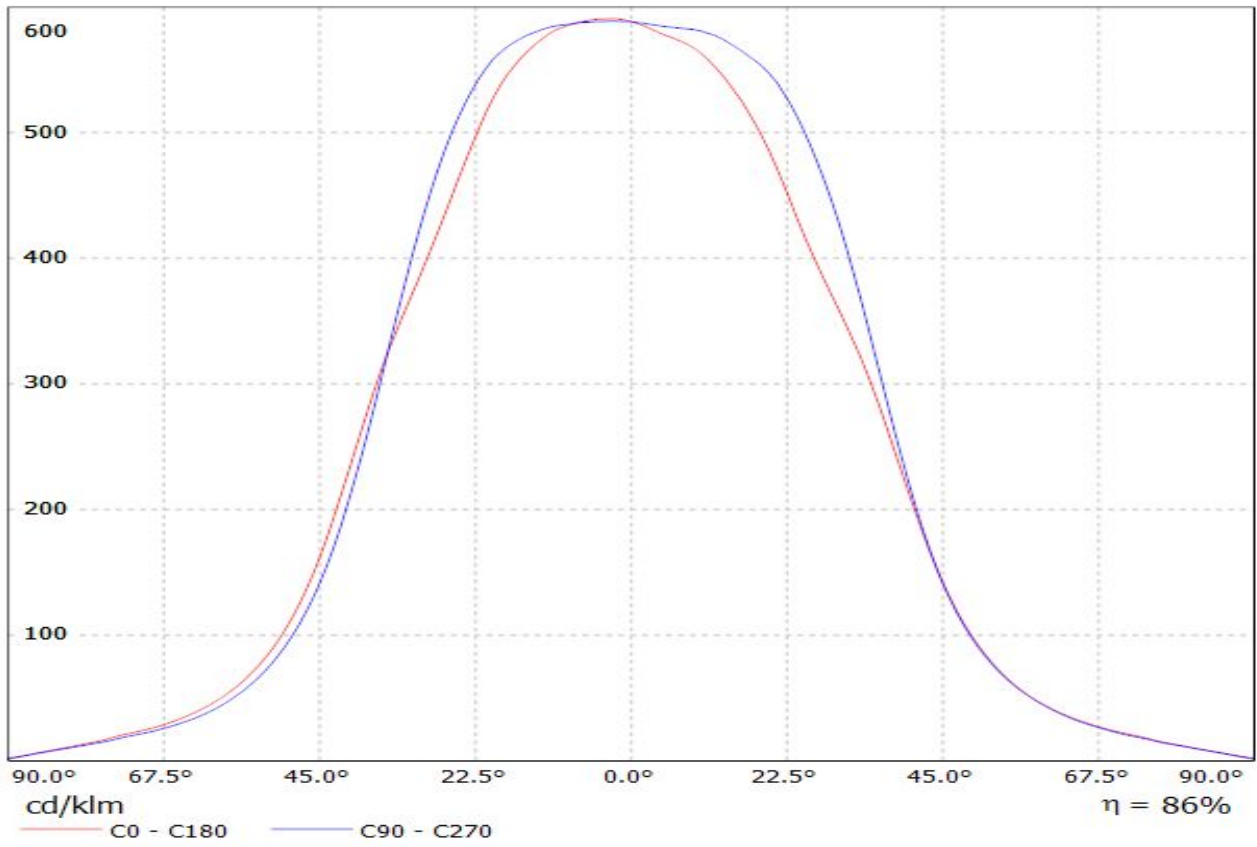
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-303H5G3)+F15255_434.36lm@100mA_P=2.8156W_I=0.1A



Luminaire: Ledil FN15966 RONDA-WWW-C (LCN-C01B_CW)+BW_481_TypL8+C16142
Lamps: 1 x Citizen_TunableWhite_LCN-C01B_CW+Bender_Wirth_481_Typ_L8+C16142_HEKLA-SOCKET-K_1090.17lm_CCT=6500K_@350mA_P=8.1662W_I=0.350

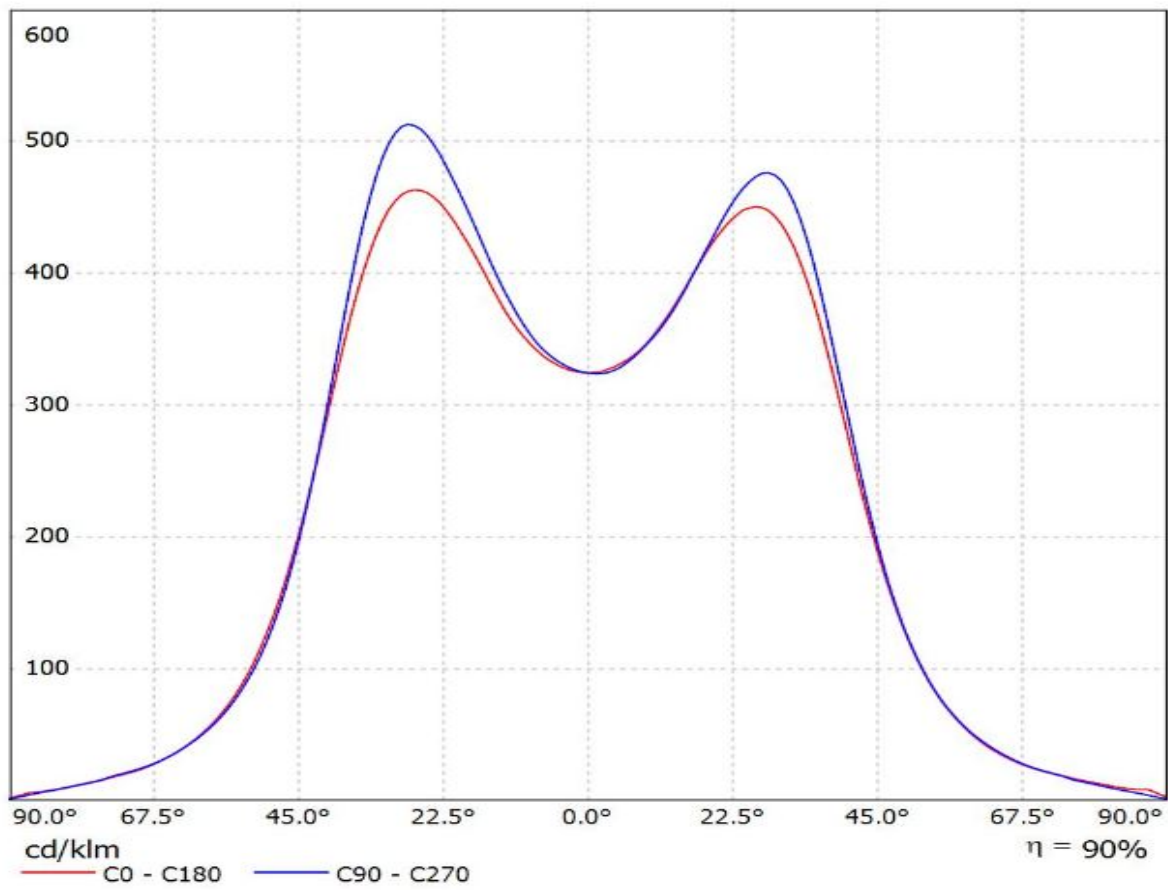


Luminaire: LEDiL Oy FN15966_RONDA-WWW-C (CLC020_057A5)
Lamps: 1 x Citizen_CLC020-057A5_913.53lm@360mA_P=12.9104W_I=0.25A



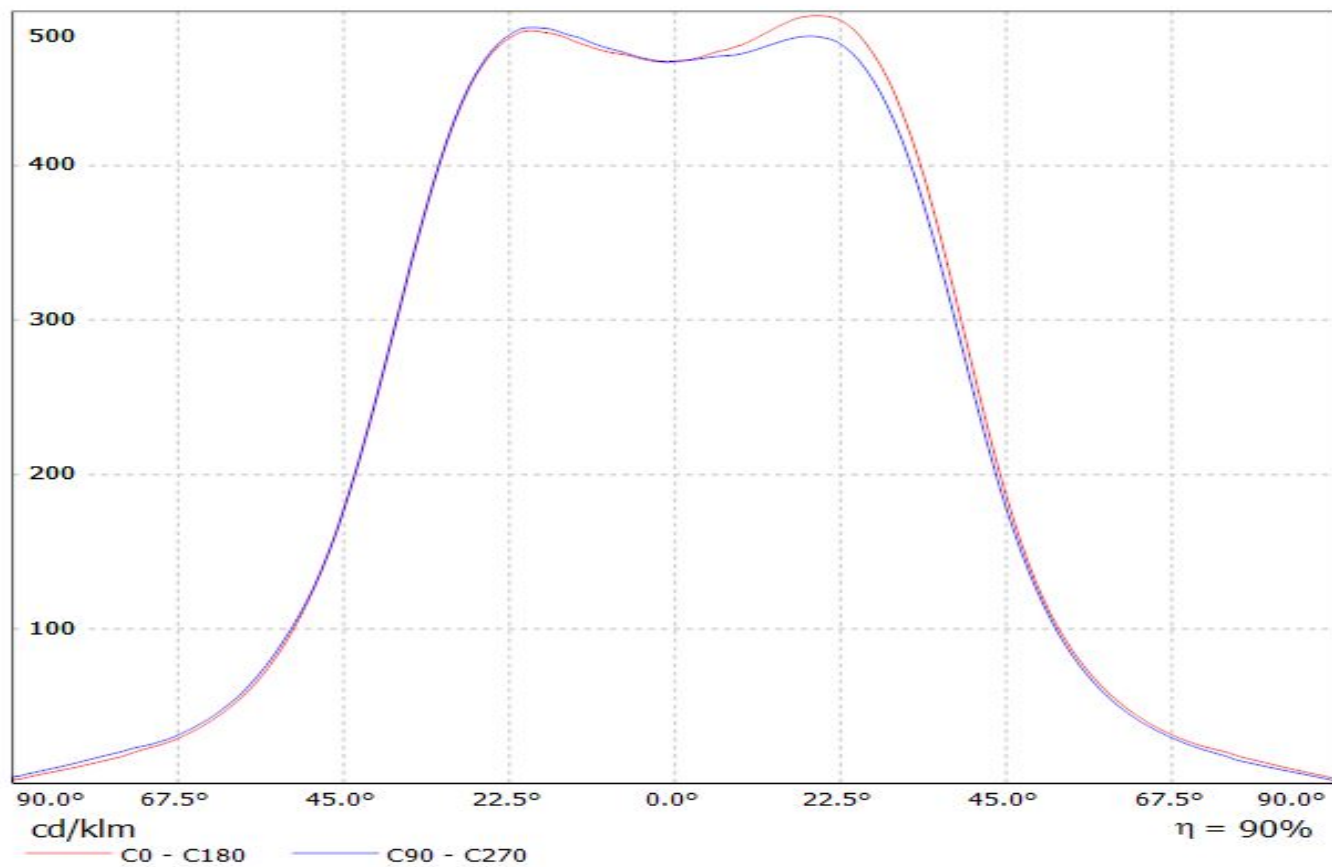
Luminaire: Ledil FN15966_RONDA-WWW-C (CXA1310 + F15956)

Lamps: 1 x Cree_CXA1310_(30H-G4-F0Y-0001)+F15956_HEKLA-SOCKET-J_350.541lm@250mA_P=4.29103W_I=0.25A

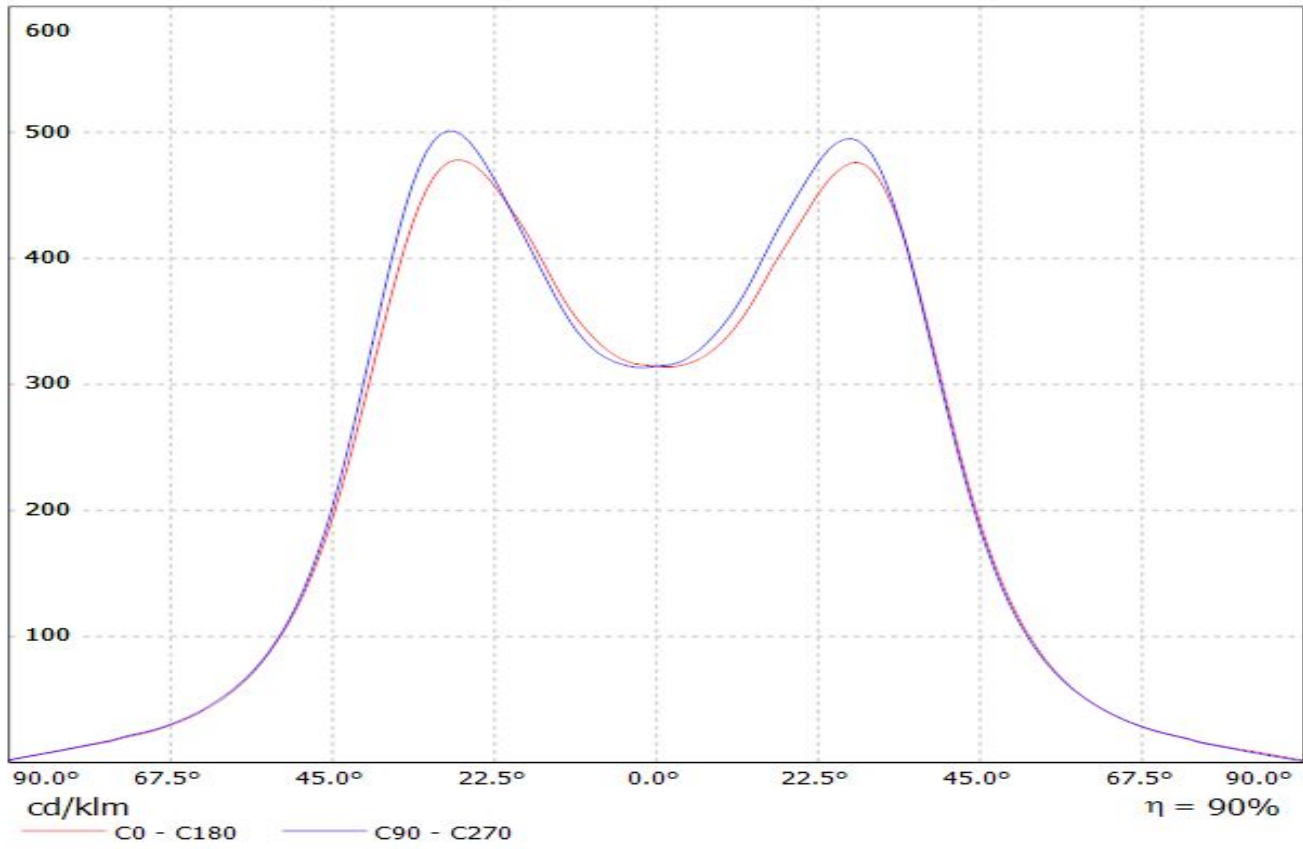


Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CXA1520)

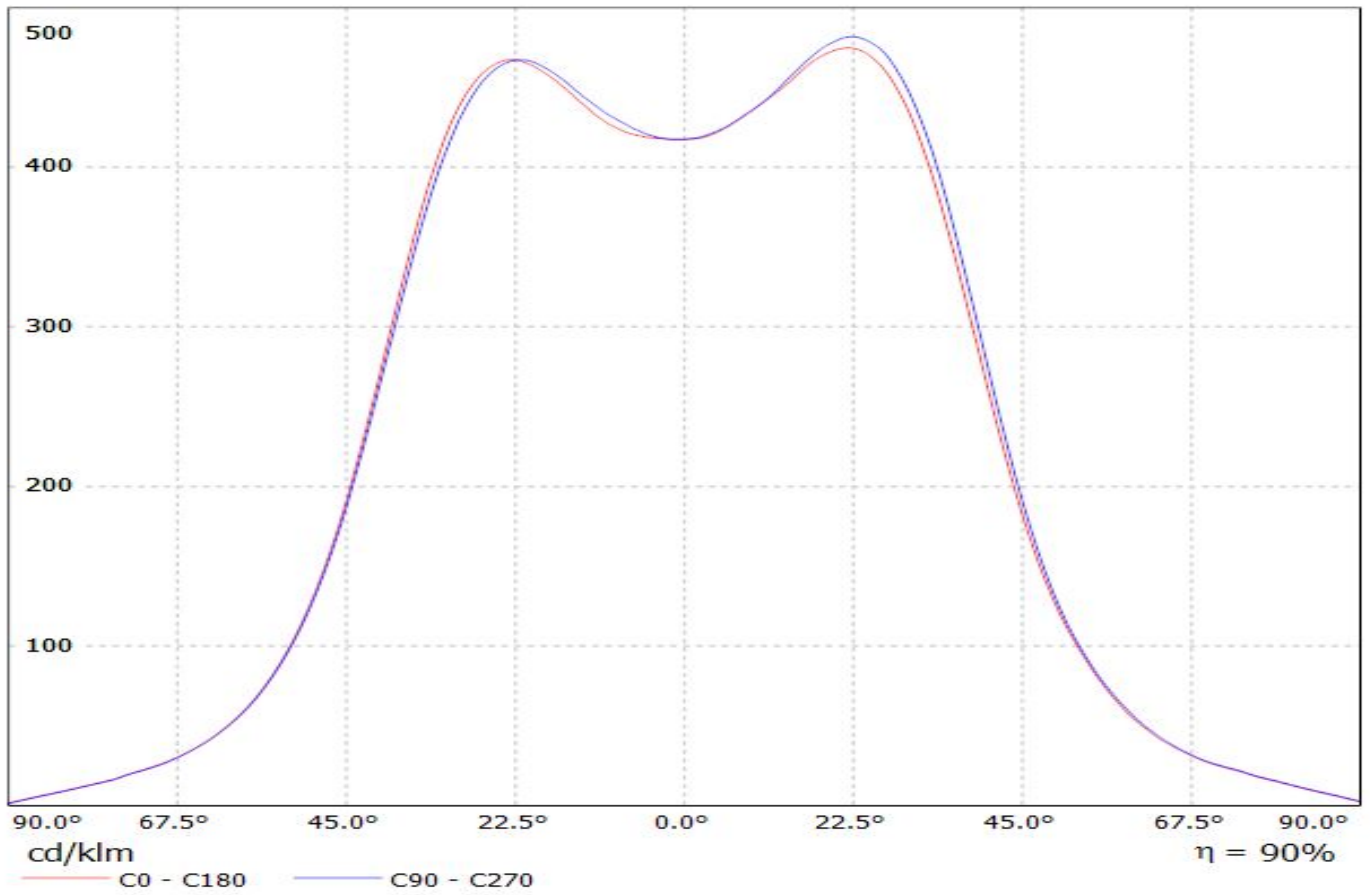
Lamps: 1 x Cree_CXA1520_(30F-N4-N0H-0-0001)+F15256_1006.62lm@250mA_P=8.63284W_I=0.25A



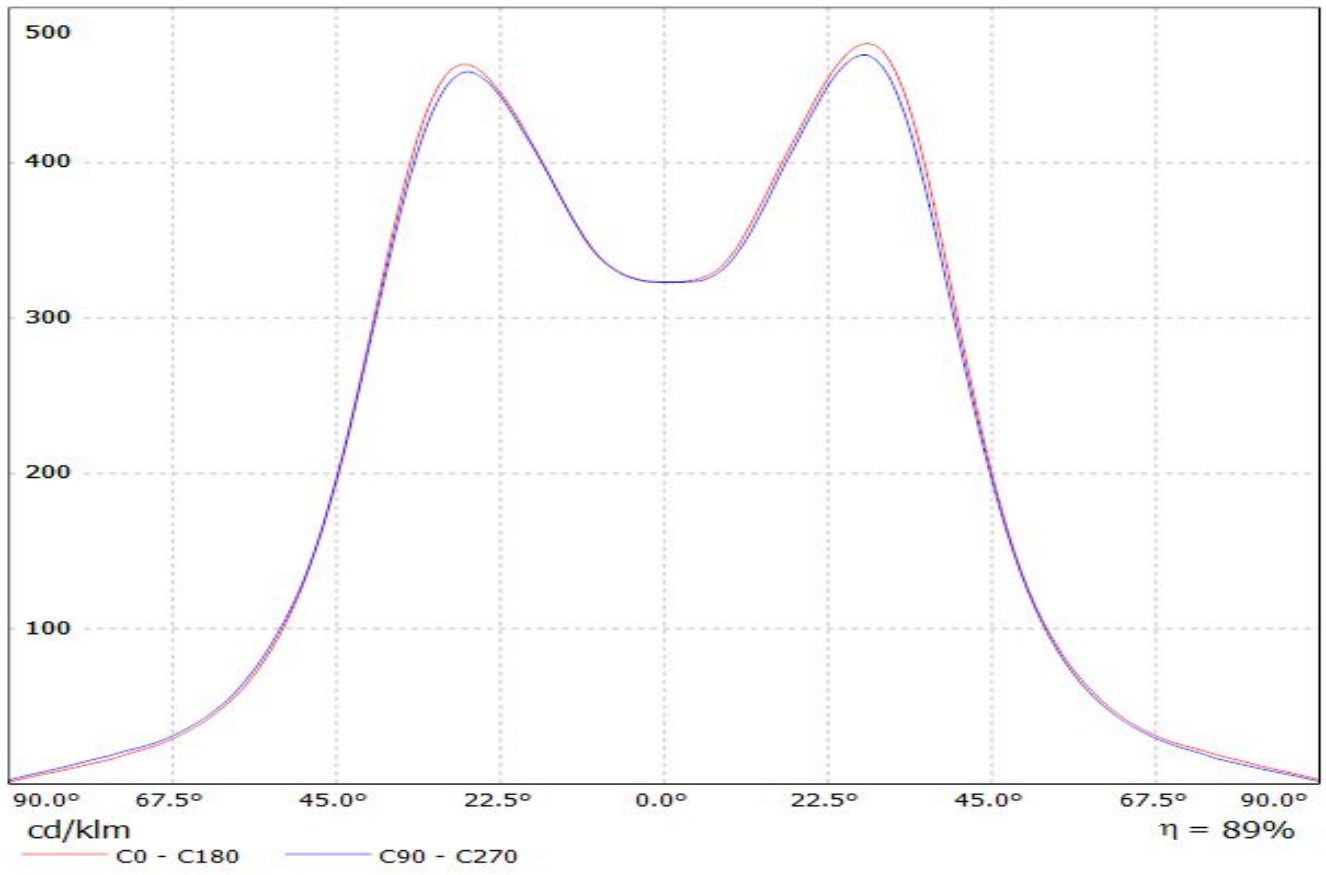
Luminaire: LEDiL Oy FN15966_RONDA-WWW-C (CoB1202s+F15848)
Lamps: 1 x Luxeon_CoB1202s+F15848_235.781lm@100mA_P=1.62823W_I=0.1A



Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(LC020C)+F15848
Lamps: 1 x Samsung_LC020C+F15848_901.85lm@250mA_P=8.44724W_I=0.25A

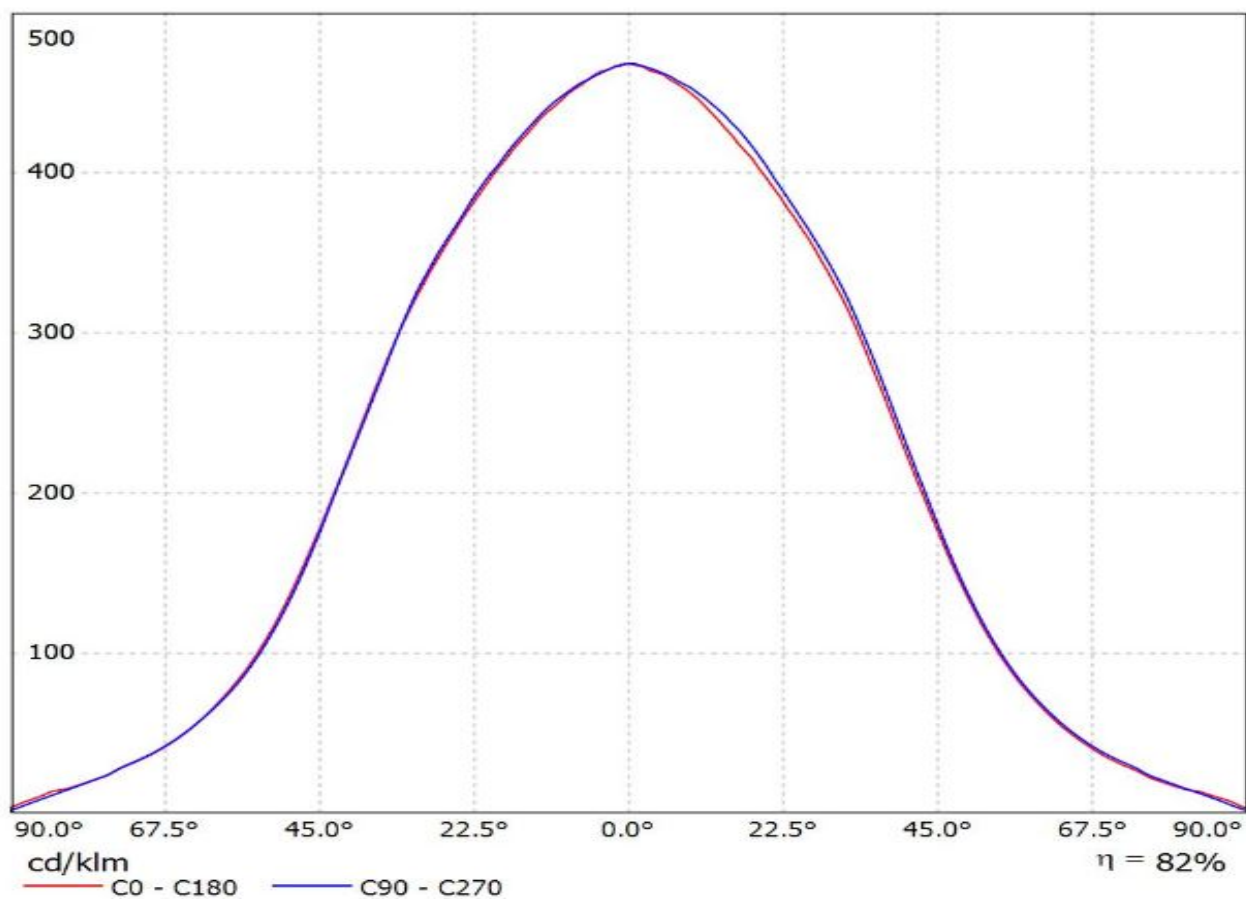


Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(LC010C+F15848)
Lamps: 1 x Samsung_LC010C+F15848_1043.24lm@250mA_P=8.59961W_I=0.25A



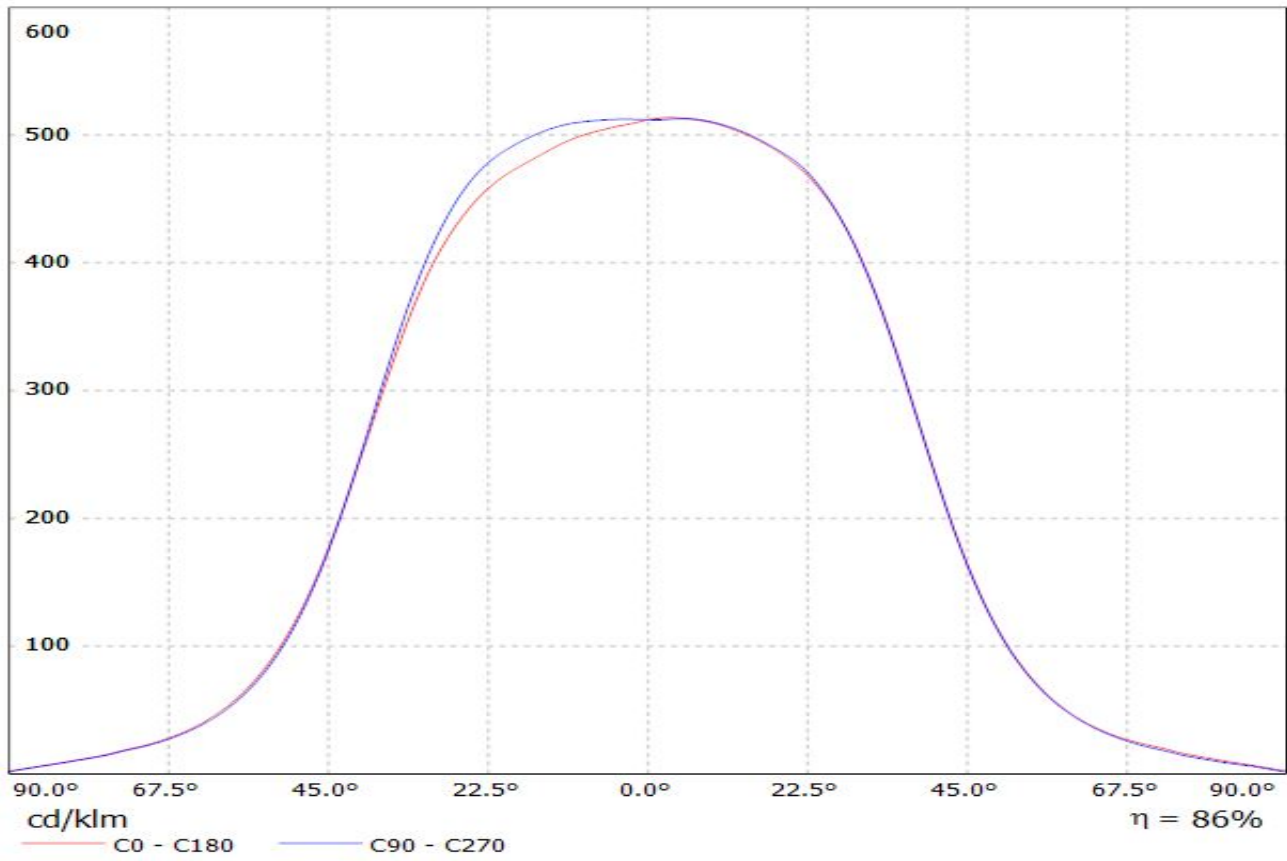
Luminaire: Ledil FN15966_RONDA-WWW-C_(COB_D_LES_14.5mm_+F15859)

Lamps: 1 x Samsung_COB_D_LES_14.5mm_(LC026D)_+F15859_1259.88lm@250mA_3000K_P=8.17623W_I=0.25A



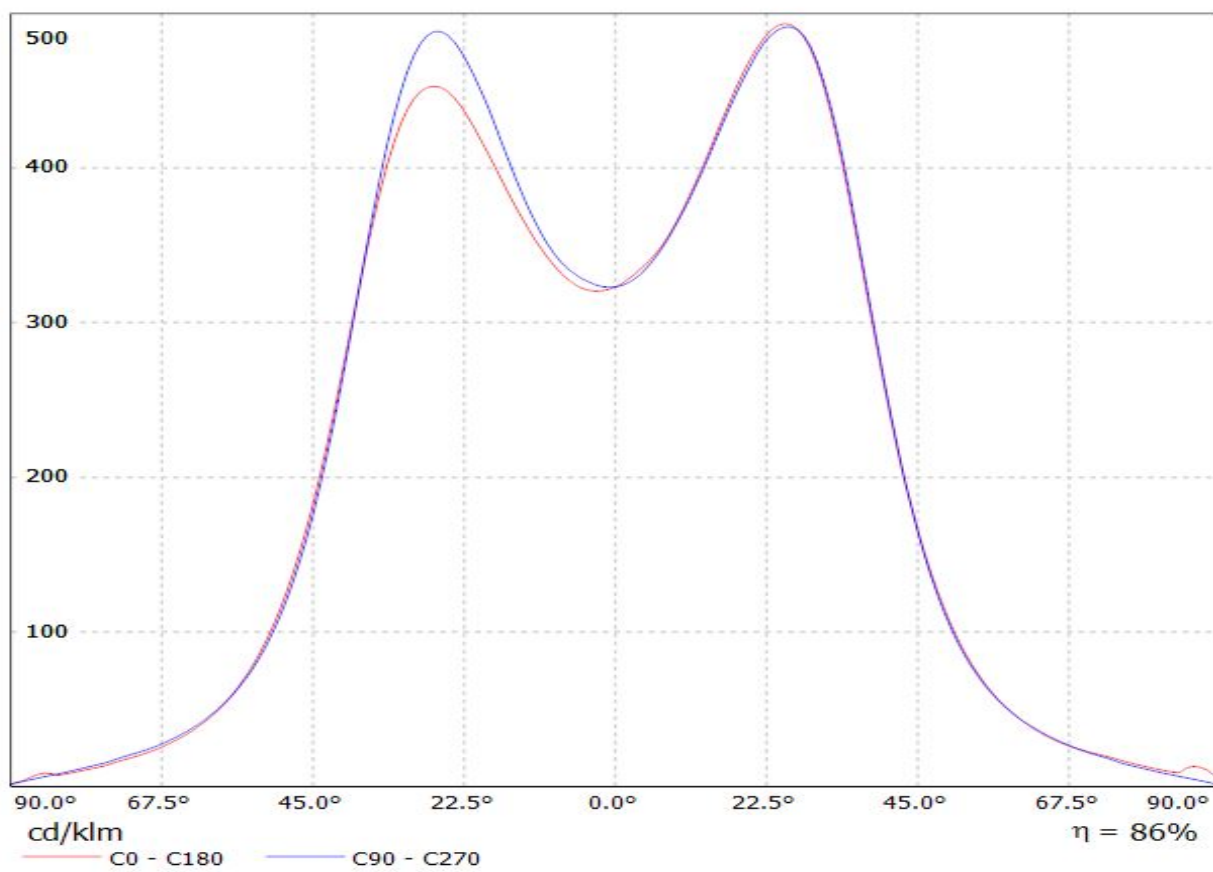
Luminaire: Ledil FN15966_RONDA-WWW-C_(MJT_12W_Les9.8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1269.11lm@250mA_P=8.415W_I=0.25A



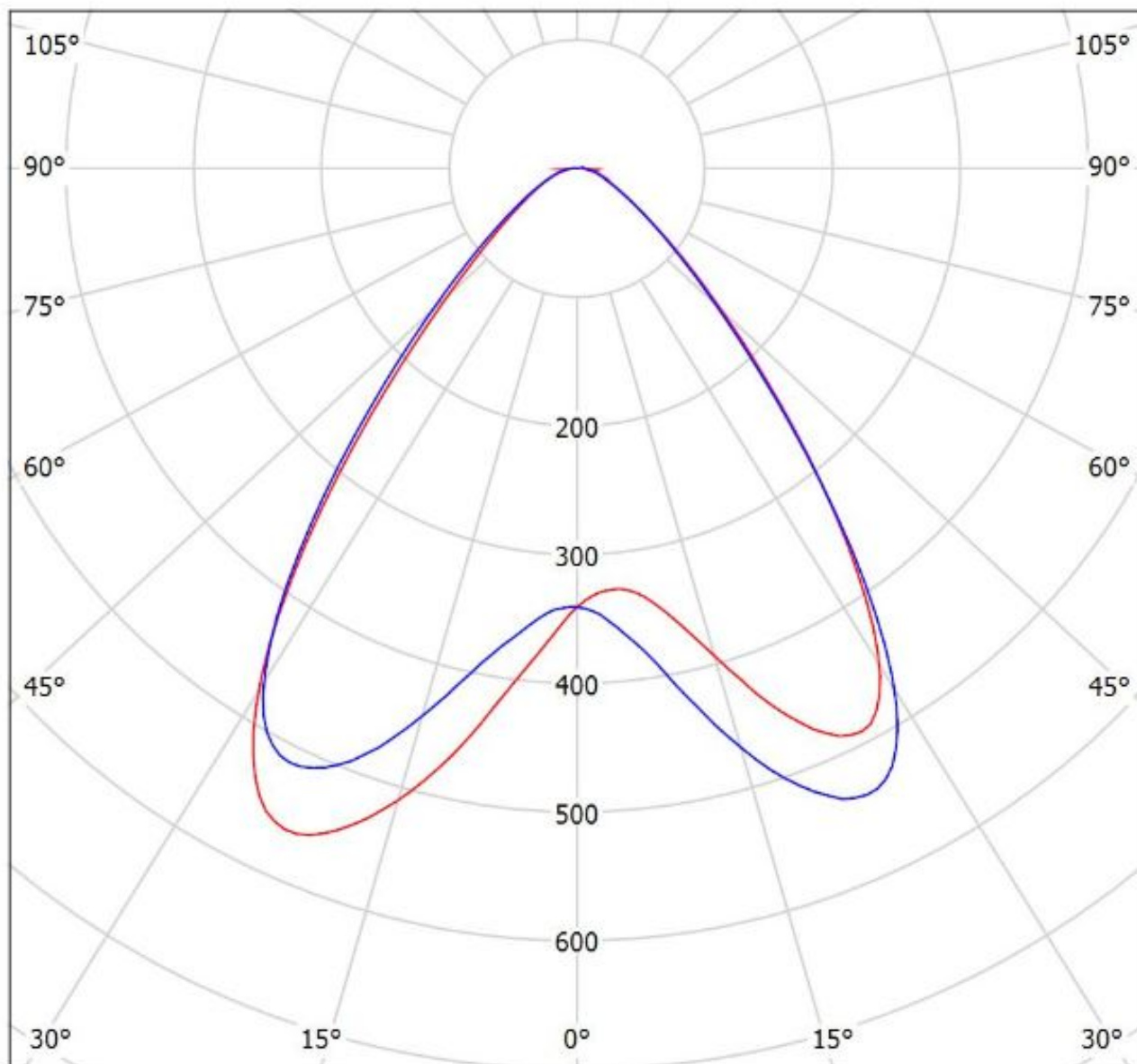
Luminaire: Ledil FN15966_RONDA-WWW-C_(MJT_6W_Les6)

Lamps: 1 x Seoul_MJT_6W_Les6mm_(SAWx0661A)_838.42lm@180mA_P=6.48702W_I=0.18A



Luminaire: Ledil FN15966_RONDA-WWW-C_(V6_Gen6+_F15253)

Lamps: 1 x Bridgelux_V6_Gen6_(BXRE-30E0400-A-23)+F15253_499.492lm@250mA_P=4.62365W_I=0.25A

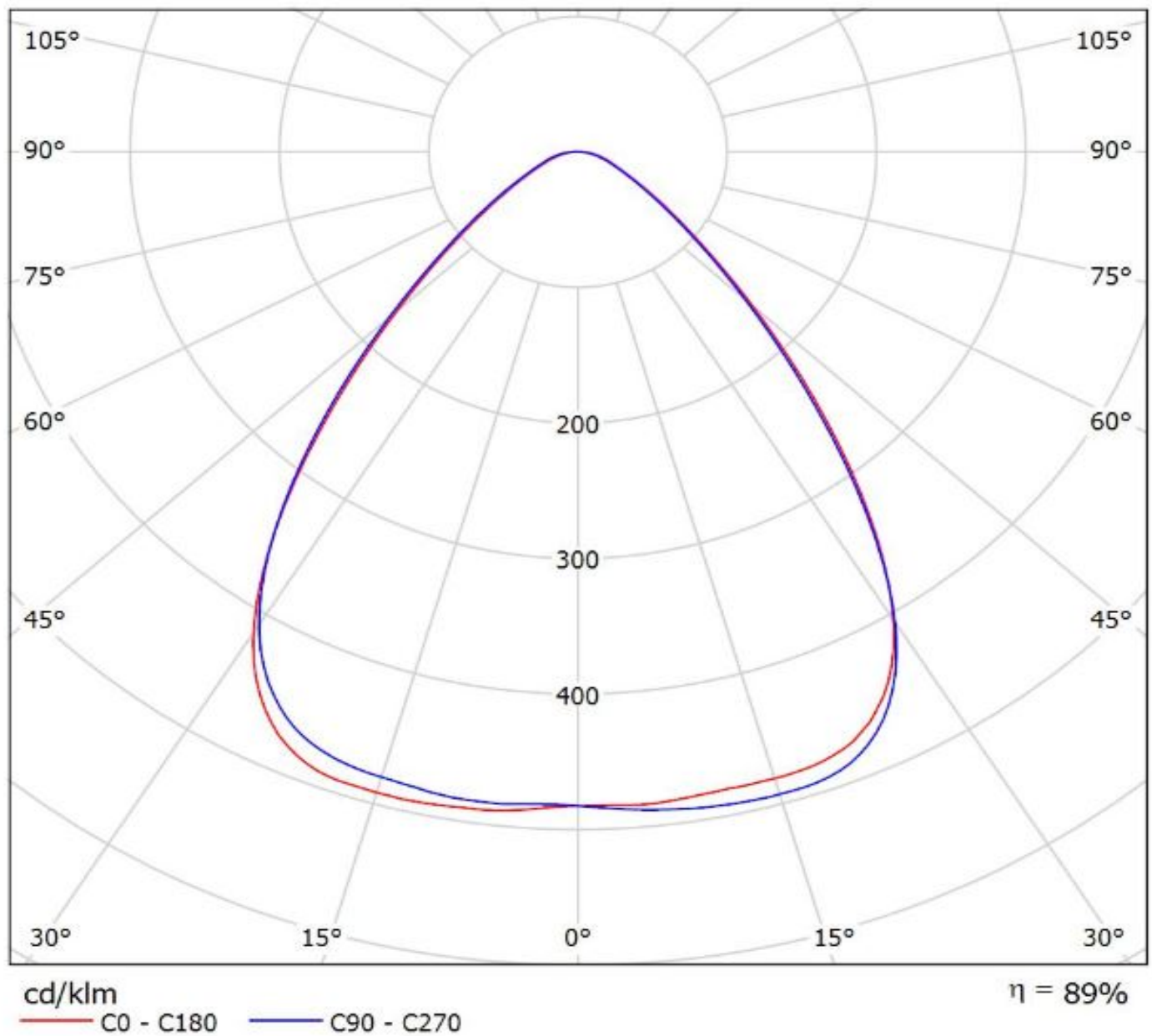


cd/klm

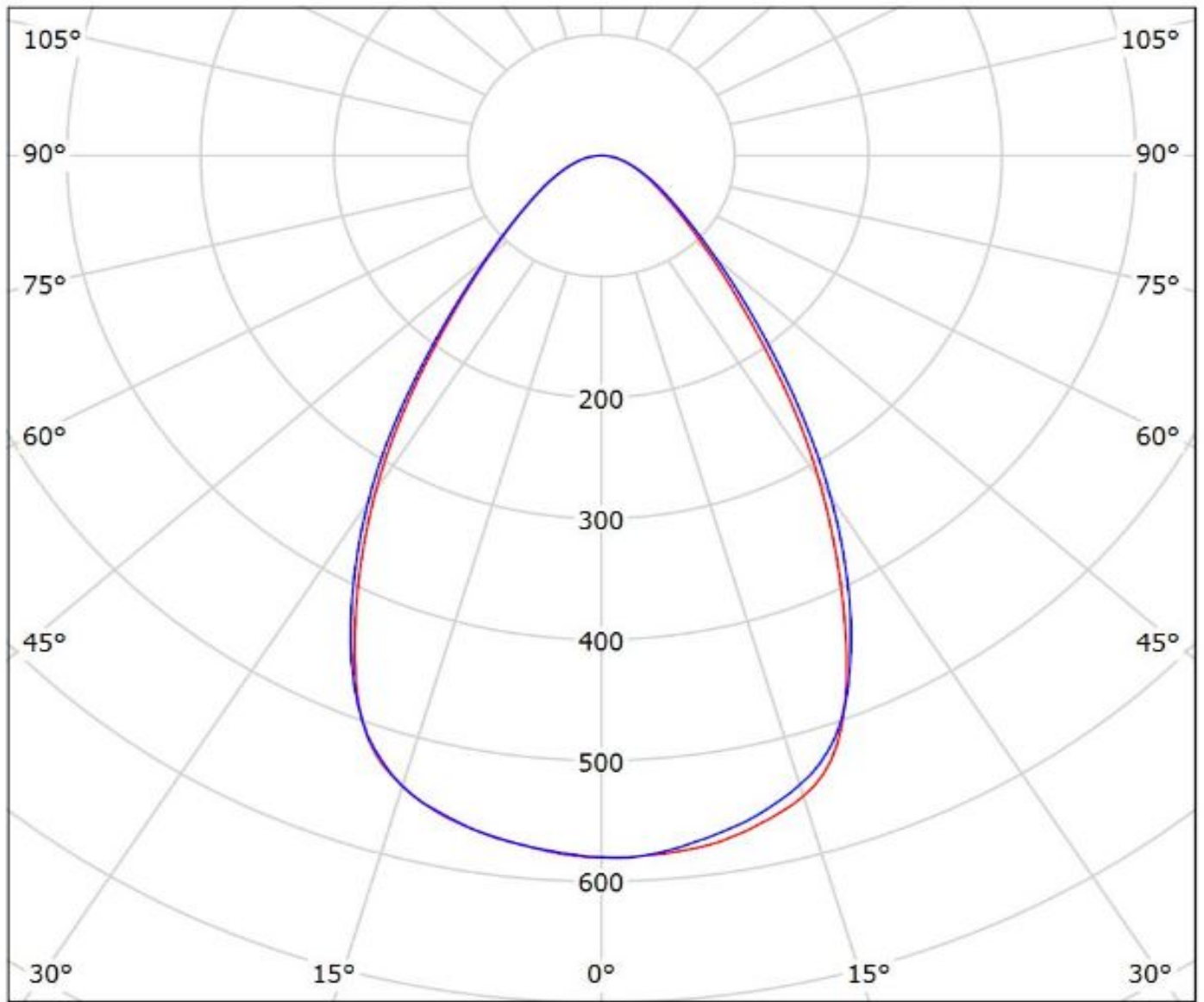
— C0 - C180 — C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(VERO10+F15616)
Lamps: 1 x Bridgelux_VERO10_(30-E1000B-Y2)_+F15616_HEKLA-SOCKET-
F_820.387lm@250mA_CCT=3000K_P=6.48806W_I=0.25A



Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(Vesta_DTW_15mm)+C16142+BW
Lamps: 1 x Bridgelux_Vesta_DTW_15mm_33W_(BXRV-DR-1830-H-3000-A-13)
+C16142+BW491_TypL8_2922.35lm@950mA_P=32.0644W_I=0.950A



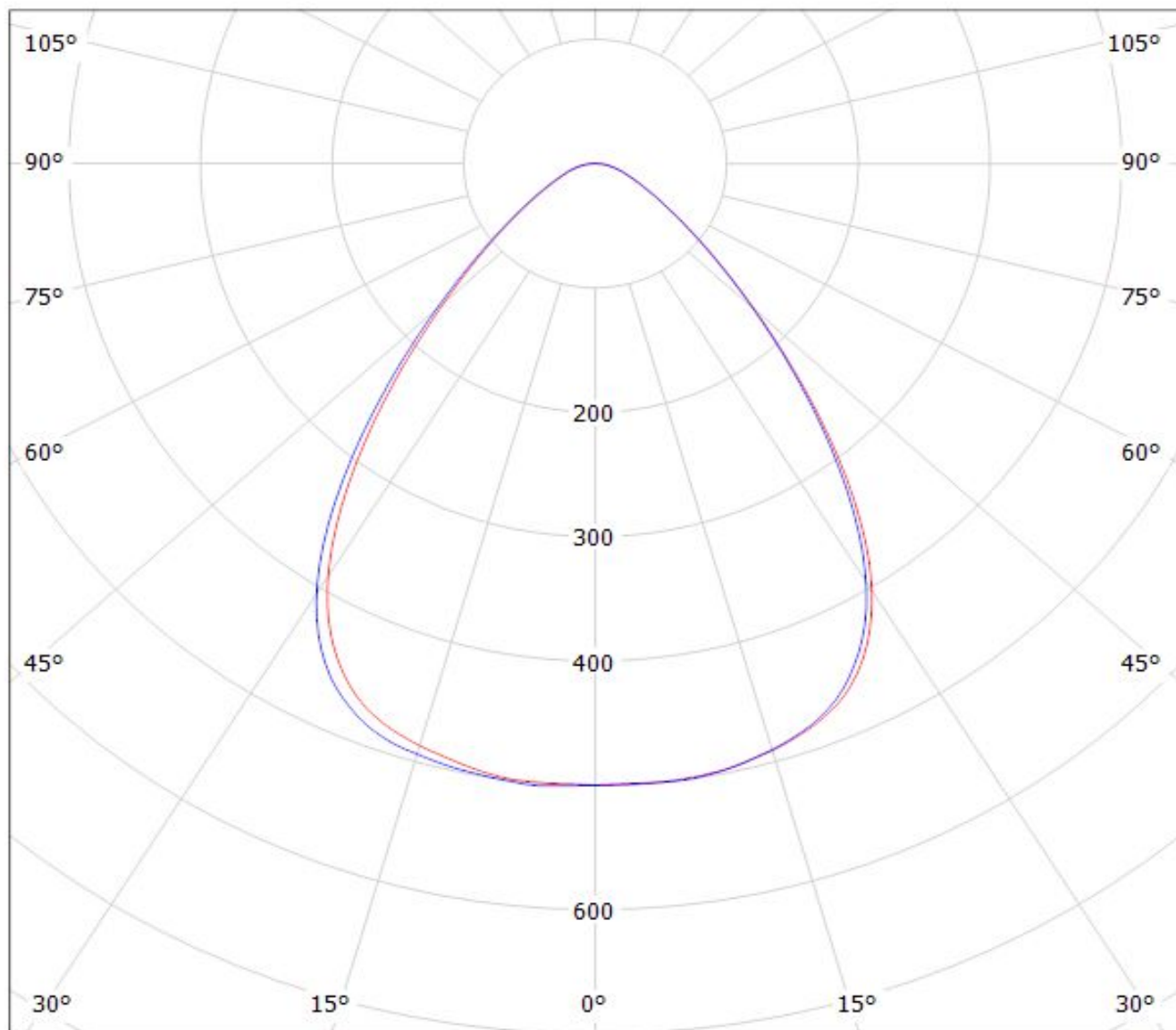
cd/klm

— C0 - C180 — C90 - C270

$\eta = 78\%$

Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CLU024)+F15255

Lamps: 1 x Citizen_CLU024_(1204B8-303M1A2)+F15255_843.482lm@250mA_P=8.27662W_I=0.250A



cd/klm

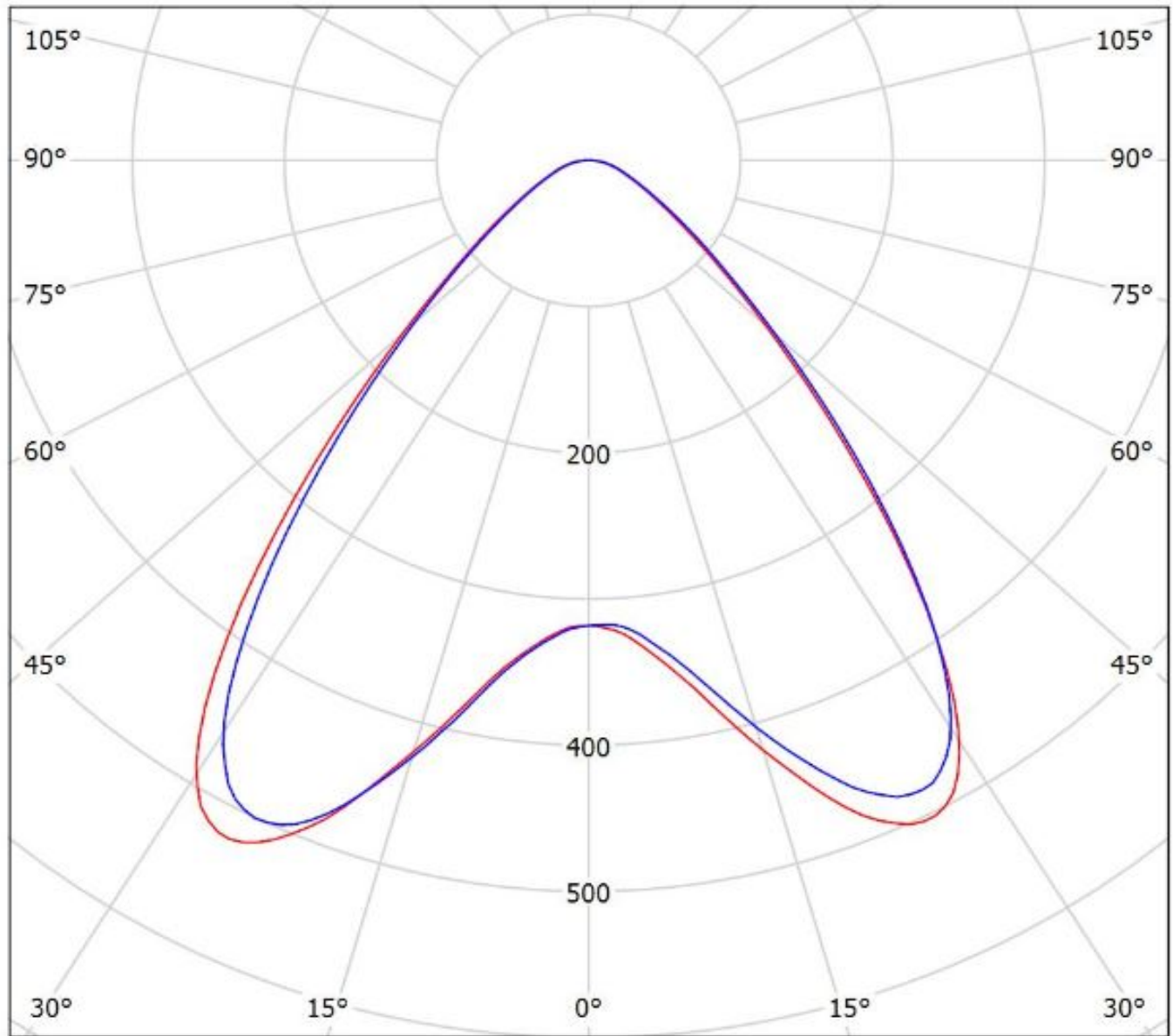
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil FN15966_RONDA-WWW-C_(CLU700)

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-303H5G3)+F15255_434.36lm@100mA_P=2.8156W_I=0.1A

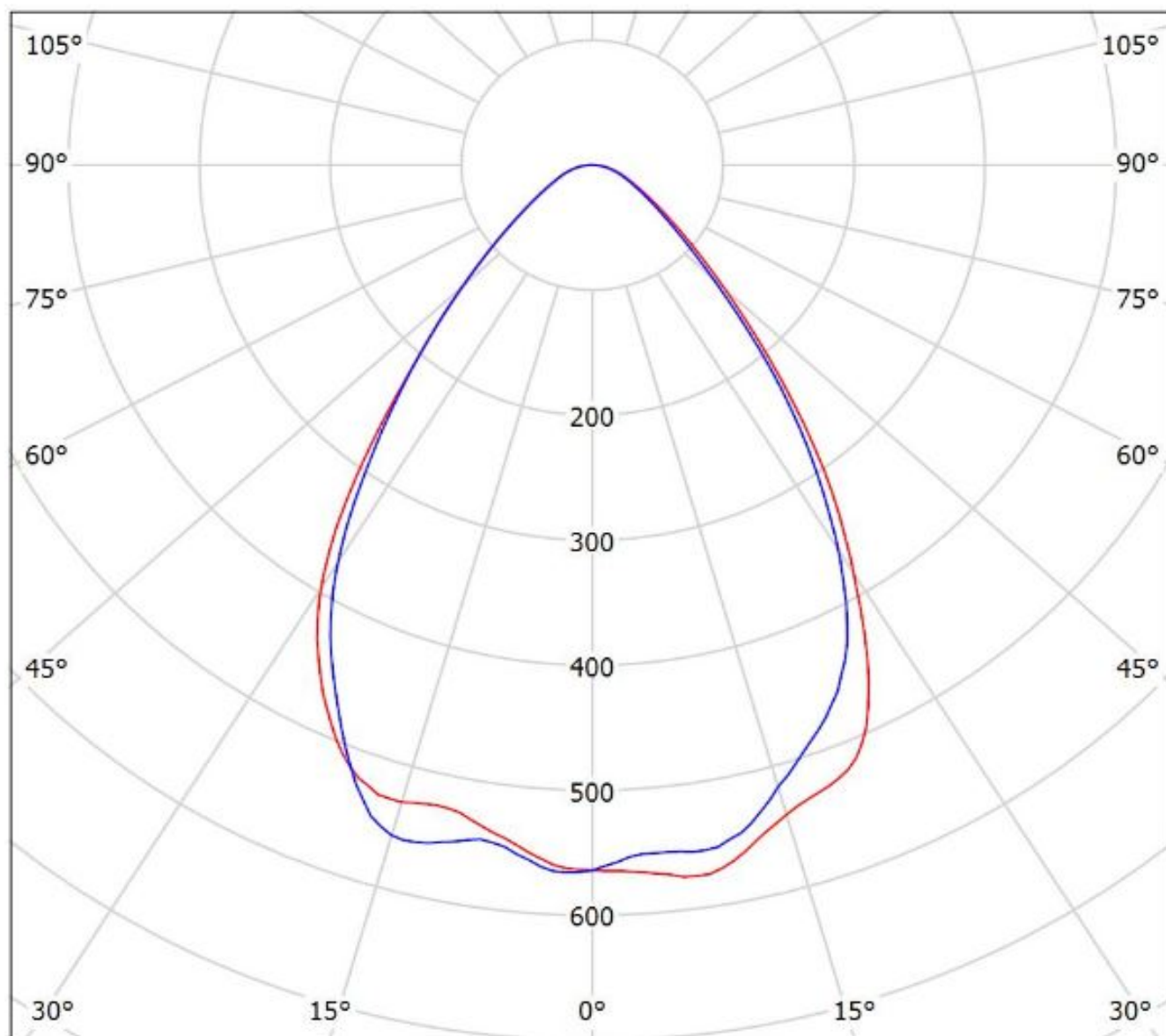


cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: Ledil FN15966_RONDA-WWW-C_(LCN-C01B_CW)+BW_481_TypL8+C16142
Lamps: 1 x Citizen_TunableWhite_LCN-C01B_CW+Bender_Wirth_481_Typ_L8+C16142_HEKLA-SOCKET-K_1090.17lm_CCT=6500K_@350mA_P=8.1662W_I=0.350

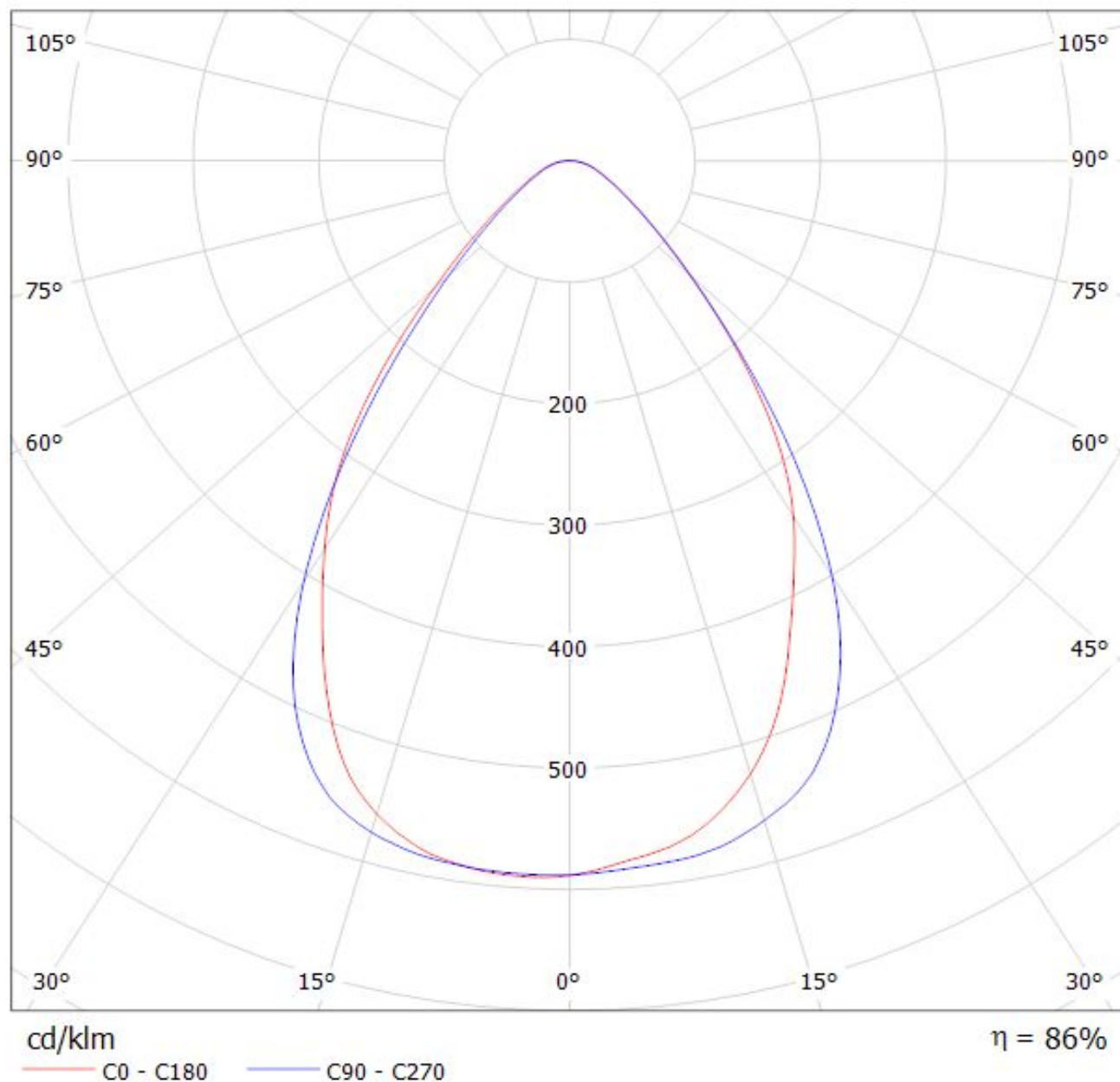


cd/klm

— C0 - C180 — C90 - C270

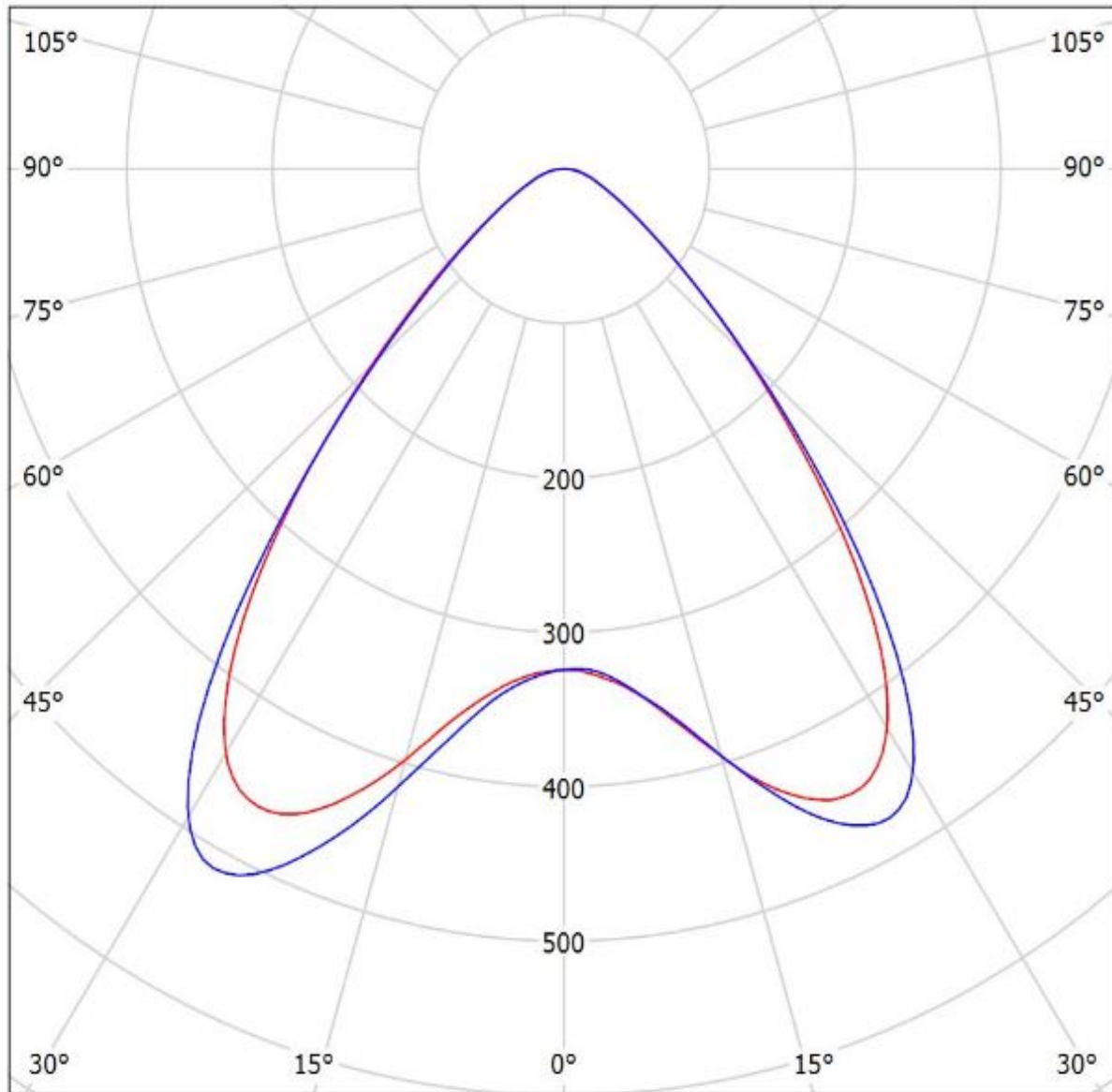
$\eta = 86\%$

Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CLC020_057A5)
Lamps: 1 x Citizen_CLC020-057A5_913.53lm@360mA_P=12.9104W_I=0.25A



Luminaire: Ledil FN15966_RONDA-WWW-C (CXA1310 + F15956)

Lamps: 1 x Cree_CXA1310_(30H-G4-F0Y-0001)+F15956_HEKLA-SOCKET-J_350.541lm@250mA_P=4.29103W_I=0.25A



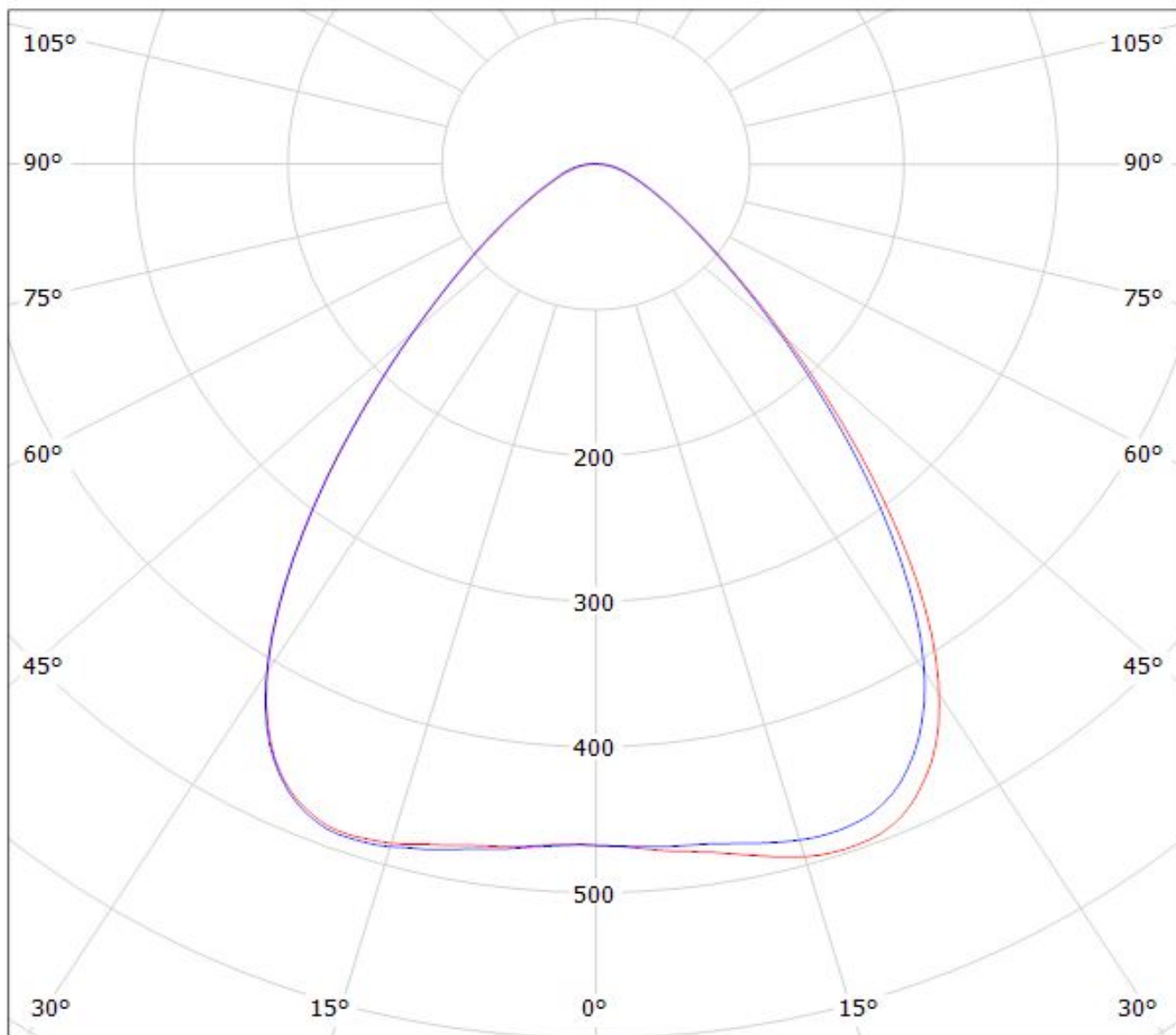
cd/klm

— C0 - C180 — C90 - C270

η = 90%

Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CXA1520)

Lamps: 1 x Cree_CXA1520_(30F-N4-N0H-0-0001)+F15256_1006.62lm@250mA_P=8.63284W_I=0.25A



cd/klm

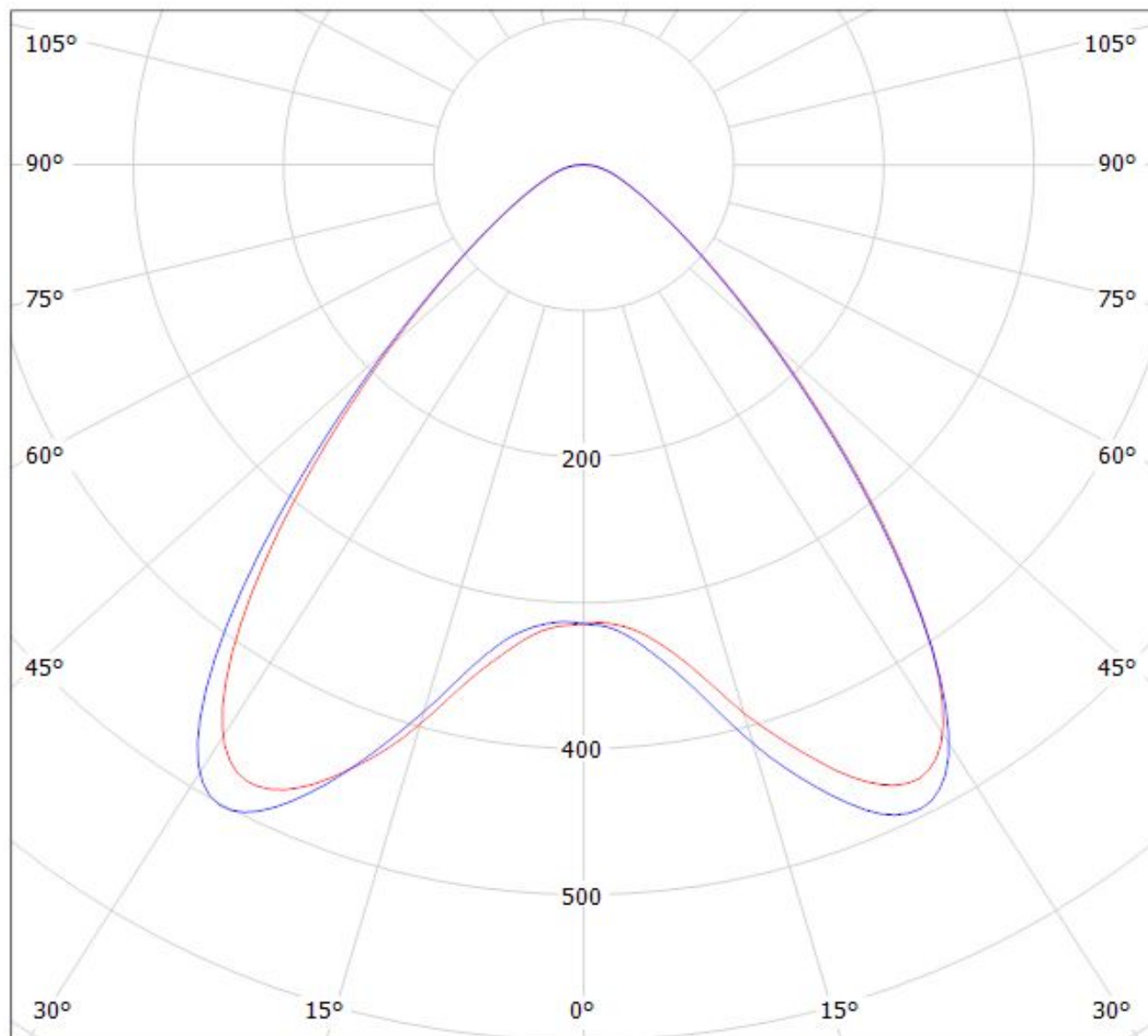
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(CoB1202s+F15848)

Lamps: 1 x Luxeon_CoB1202s+F15848_235.781lm@100mA_P=1.62823W_I=0.1A



cd/klm

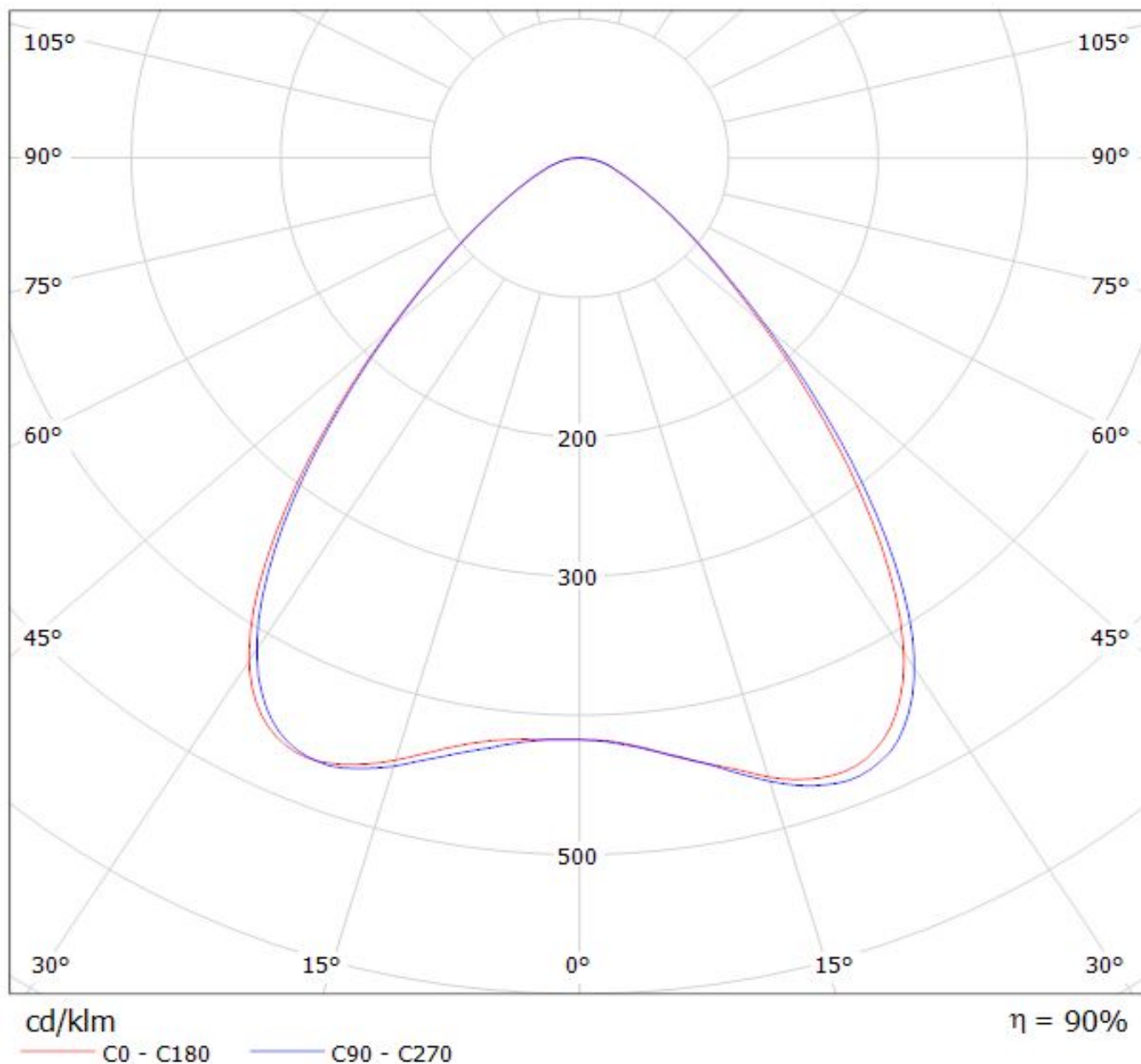
— C0 - C180

— C90 - C270

$\eta = 90\%$

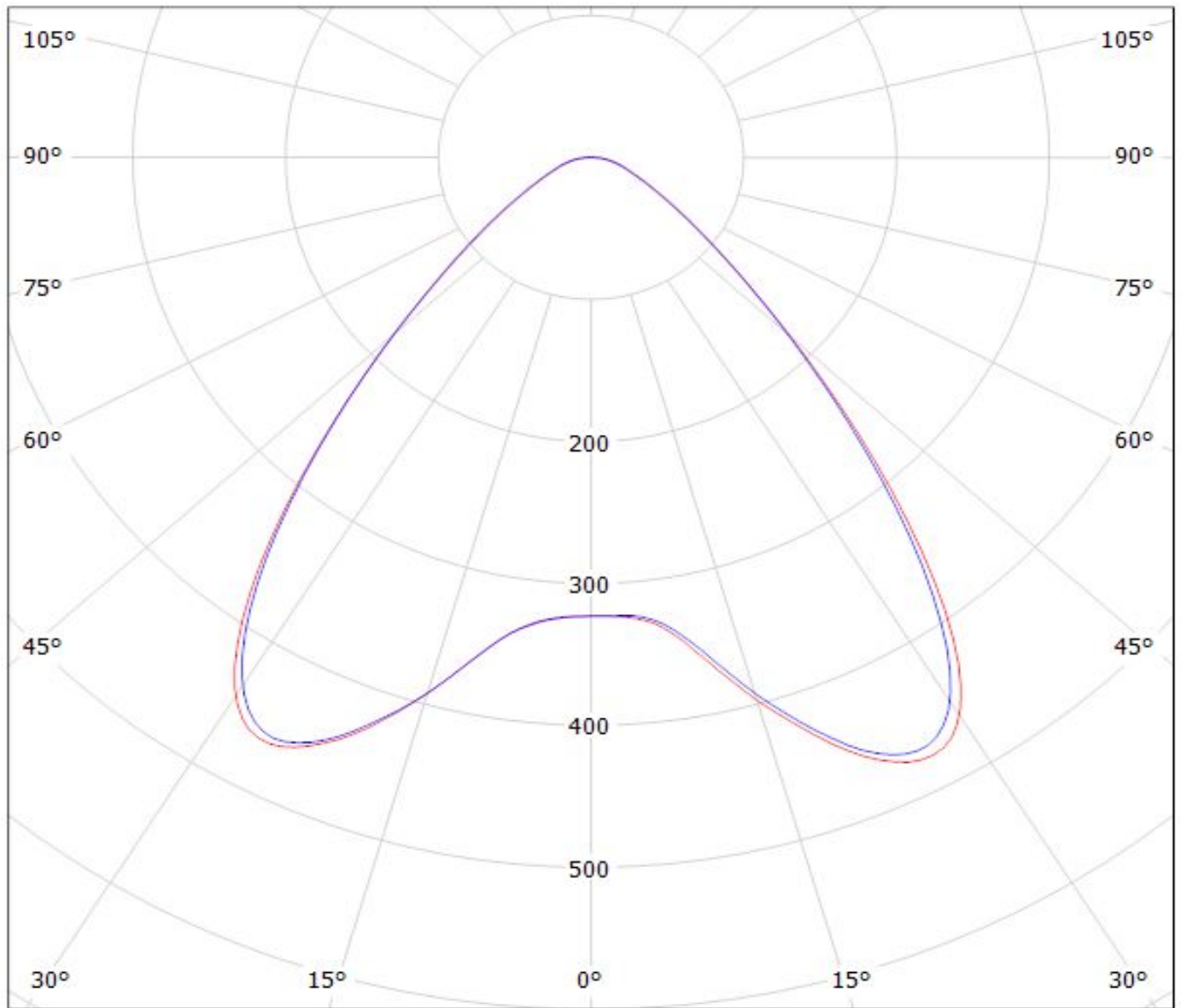
Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(LC020C)+F15848

Lamps: 1 x Samsung_LC020C+F15848_901.85lm@250mA_P=8.44724W_I=0.25A



Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(LC010C+F15848)

Lamps: 1 x Samsung_LC010C+F15848_1043.24lm@250mA_P=8.59961W_I=0.25A



cd/klm

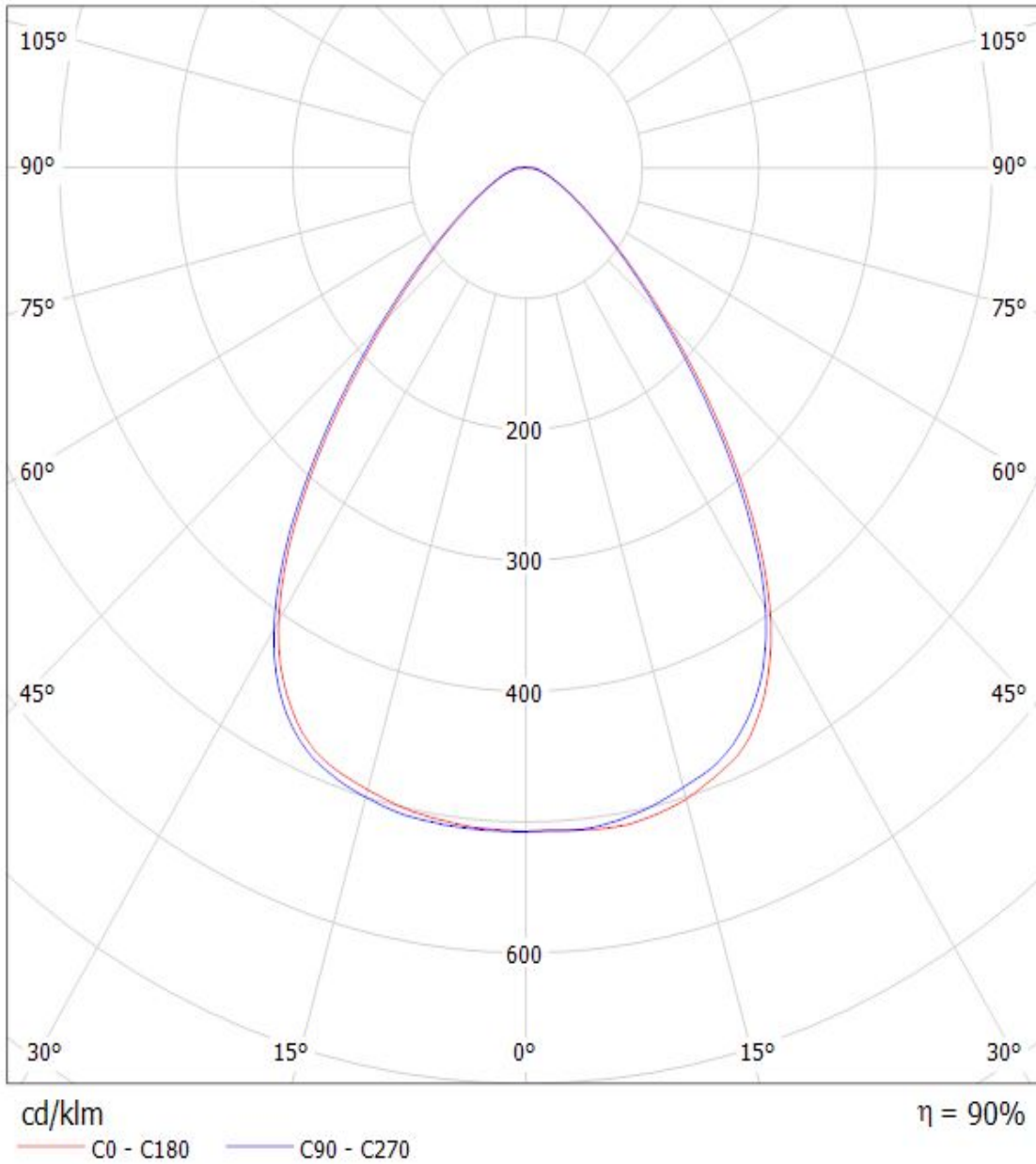
— C0 - C180

— C90 - C270

$\eta = 89\%$

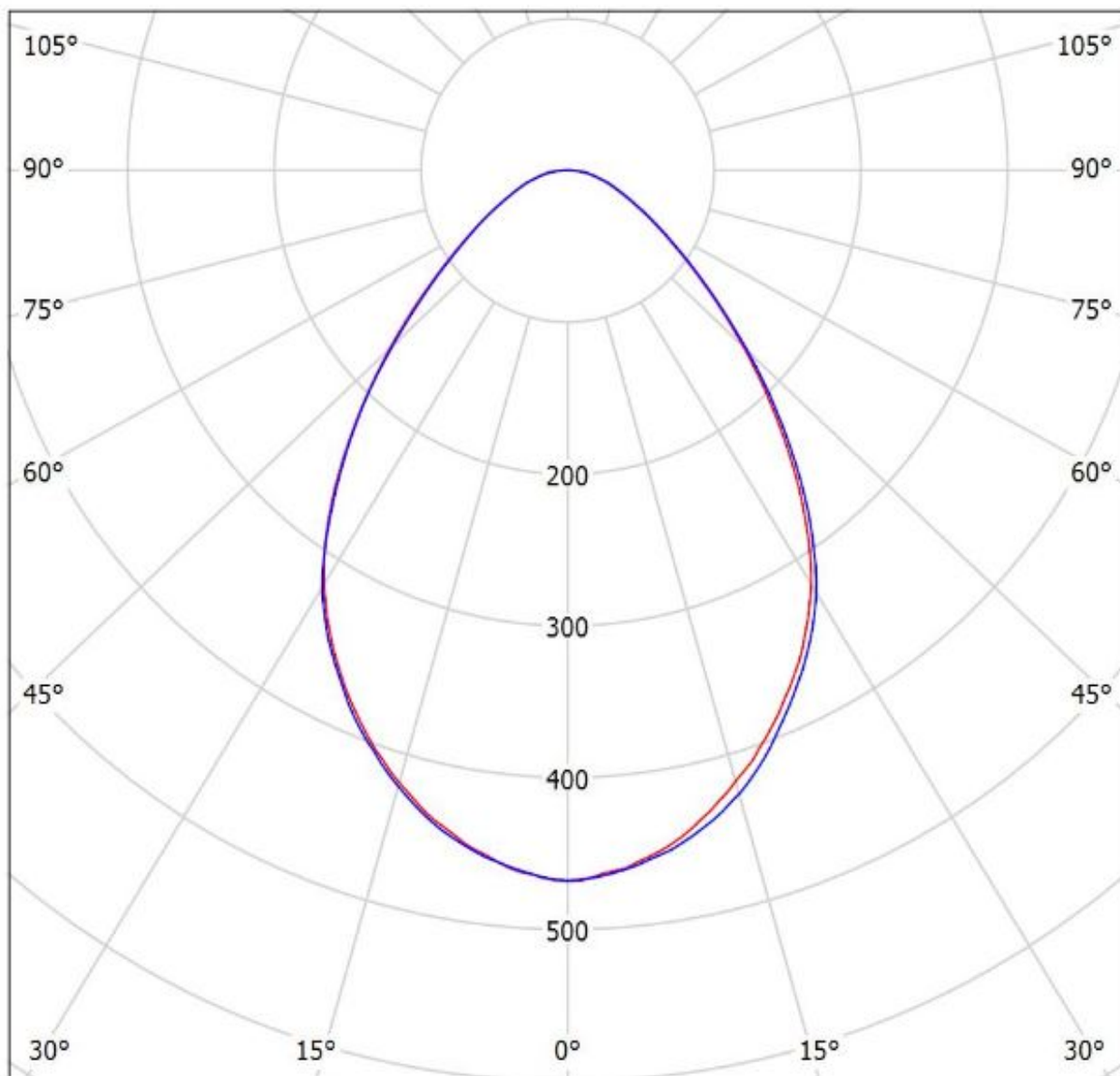
Luminaire: LEDiL Oy FN15966_RONDA-WWW-C_(COB_D_Series_LES_9.8mm)

Lamps: 1 x Samsung_COB_D_Series_LES_9.8mm_(LC013D)+F15255_546.324lm@100mA_P=3.2423W_CCT=4000K_I=0.100A



Luminaire: Ledil FN15966_RONDA-WWW-C_(COB_D_LES_14,5mm_+F15859)

Lamps: 1 x Samsung_COB_D_LES_14.5mm_(LC026D)_+F15859_1259.88lm@250mA_3000K_P=8.17623W_I=0.25A



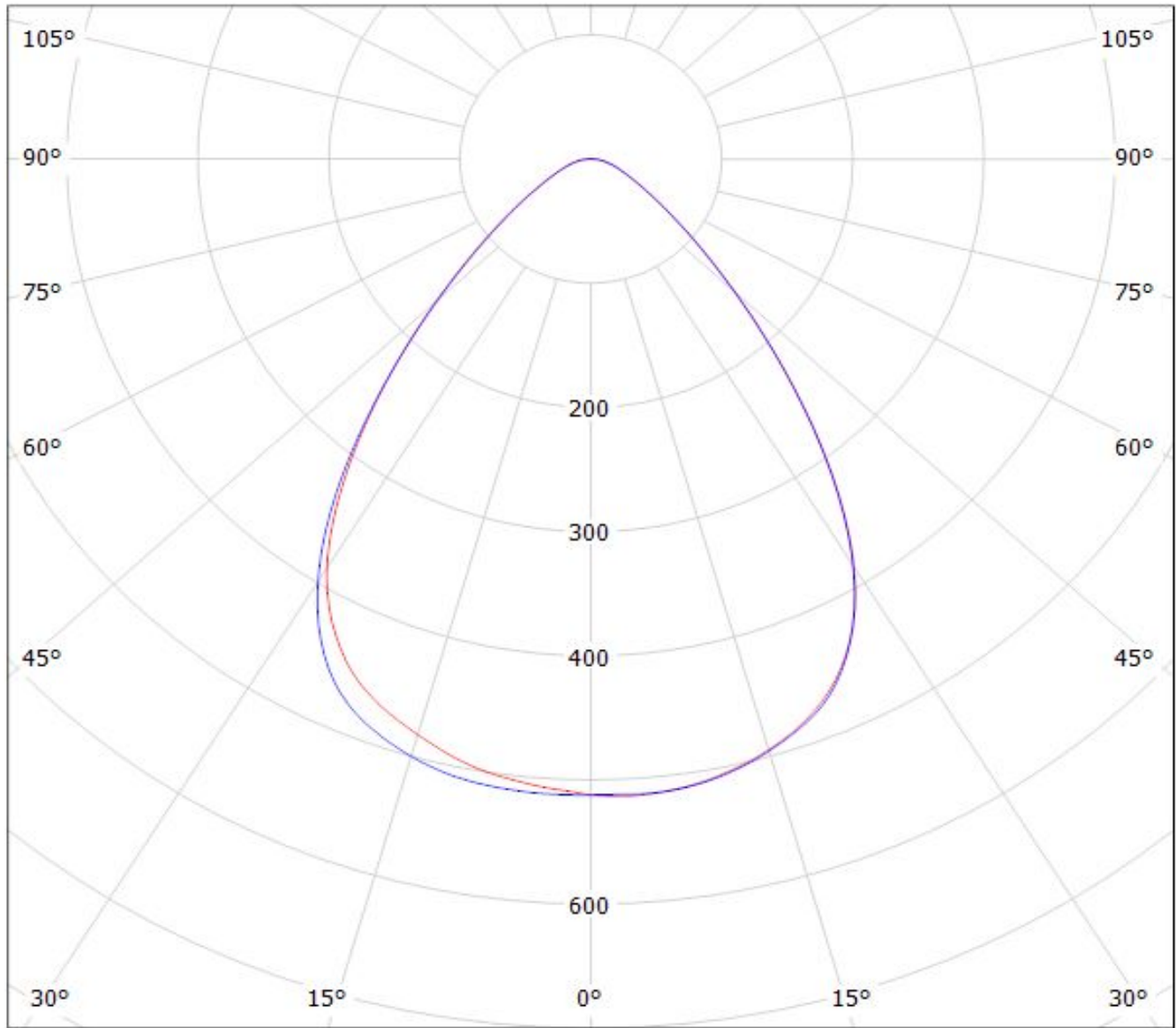
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FN15966_RONDA-WWW-C_(MJT_12W_Les9,8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1269.11lm@250mA_P=8.415W_I=0.25A



cd/klm

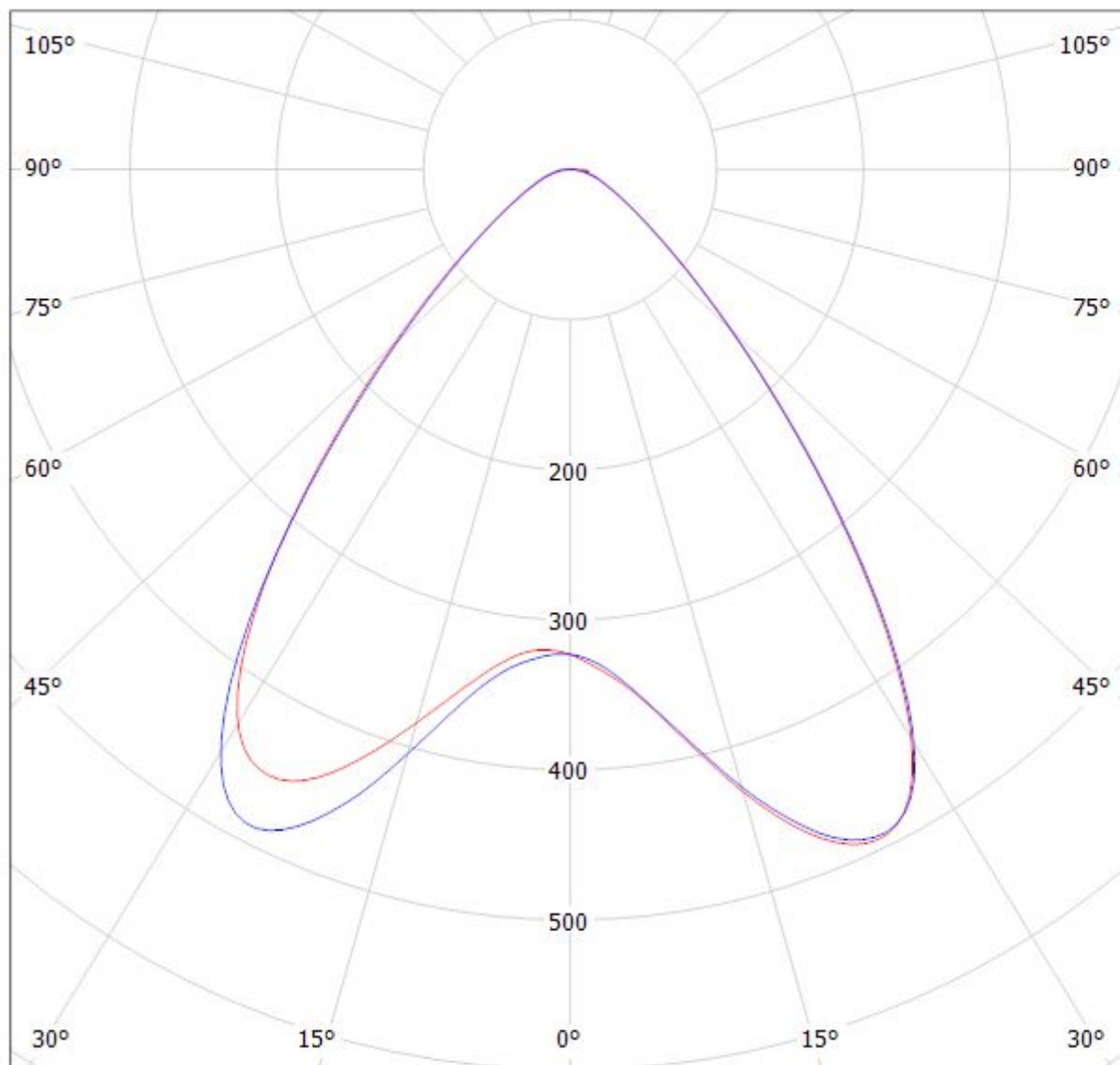
— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: Ledil FN15966_RONDA-WWW-C_(MJT_6W_Les6)

Lamps: 1 x Seoul_MJT_6W_Les6mm_(SAWx0661A)_838.42lm@180mA_P=6.48702W_I=0.18A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.