PRODUCT DATASHEET
Brooke series
last update 23/1/2018

DETAILS



Product Number	FN14883_BROOKE-G2-W-RZ
Family	Brooke
Type	RefPack
Color	metal
Diameter	45 mm
Height	21,7 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	socket
Status	production ready
ROHS Compliant	Yes
Date Updated	23/01/2018

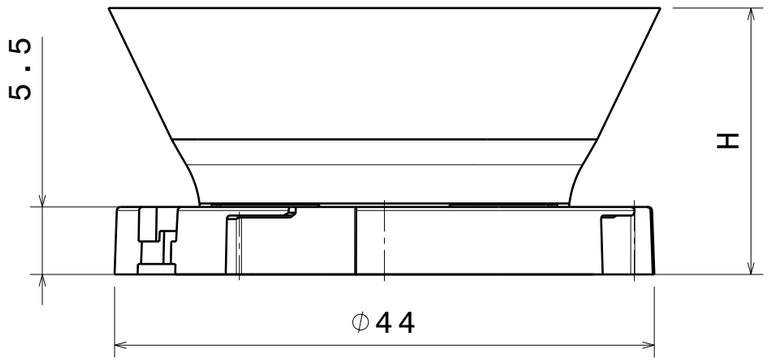
OPTICAL PROPERTIES

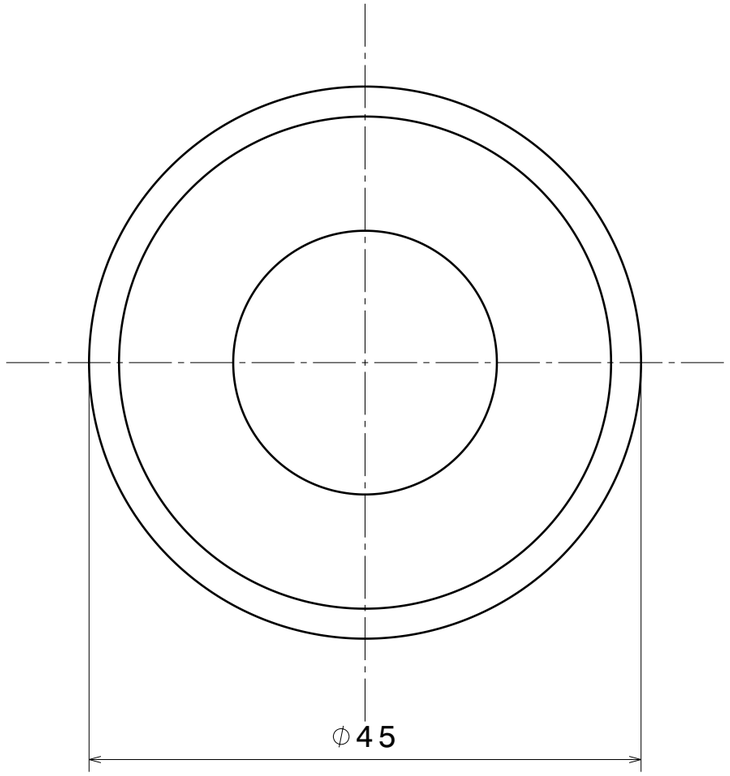
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
V10 Gen7	44 deg	Wide	88 %	1.100	LEDiL: F15255_HEKLA-SOCKET-C
VERO10	41 deg	Wide	92 %	1.200	LEDiL: F15616_HEKLA-SOCKET-F
Vesta TW 9mm (12W)	36 deg	Wide	84 %	1.300	LEDiL: C16142_HEKLA-SOCKET-K
Vesta DTW 9mm (6W/12W)	41 deg	Wide	85 %	1.100	Bender Wirth: 490 Typ L8
Vesta DTW 15mm (33W)	53 deg	Wide	83 %	0.910	Bender Wirth: 491 Typ L8
CLC030 Series (Dim-To-Warm)	53 deg	Wide	81 %	0.890	LEDiL: C16142_HEKLA-SOCKET-K
LCN-C01B (Tunable White)	38 deg	Wide	84 %	1.200	LEDiL: C16142_HEKLA-SOCKET-K
CLC020 Series (Dim-To-Warm)	38 deg	Wide	83 %	1.200	LEDiL: C16142_HEKLA-SOCKET-K
LCN-C02B (Tunable White)	48 deg	Wide	83 %	0.960	LEDiL: C16142_HEKLA-SOCKET-K
COB D Series LES 9.8 mm	44 deg	Wide	88 %	1.090	LEDiL: F15255_HEKLA-SOCKET-C
SLE G1 15mm 2000lm 927 Sunset R EX6	55 deg	Wide	85 %	0.880	LEDiL: F15859_HEKLA-SOCKET-I
SLE G1 11mm 1000lm 927 Sunset R EX6	50 deg	Wide	87 %	0.990	LEDiL: F15859_HEKLA-SOCKET-I

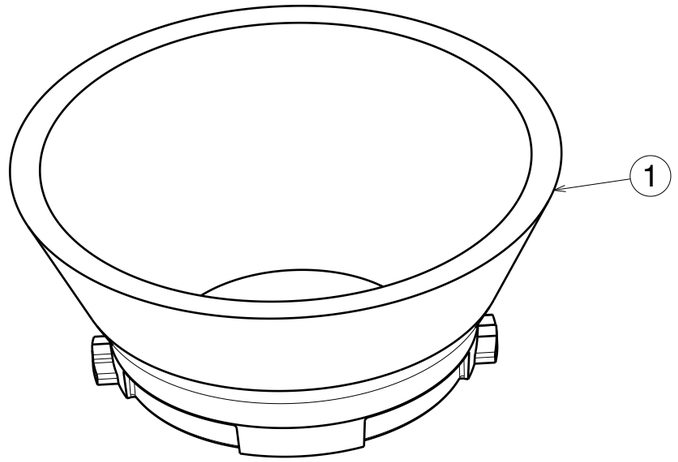
Ledil Oy
Salorankatu 10
24240 SALO, Finland

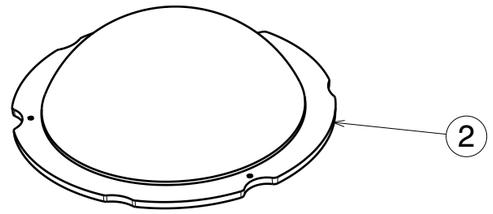
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

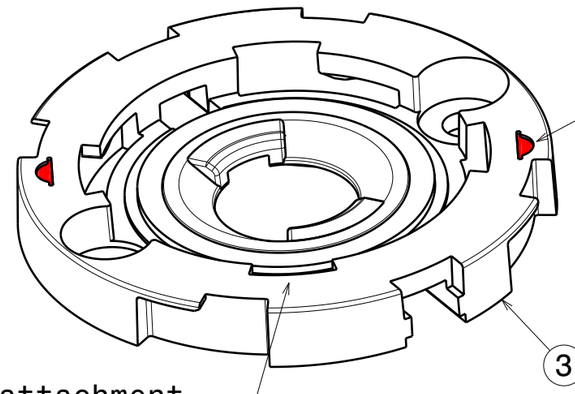
Dimension H: 21,05mm
When RZ lens: 21,7mm











Marking for correct attachment
when used with RZ lens

Unmarked attachment
option when used
without RZ lens

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	BROOKE-G2-Reflector	PC	metal
2	BARBARA-RZ-LENS	PC	clear
3	HEKLA-SOCKET	PBT	White

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:

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LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

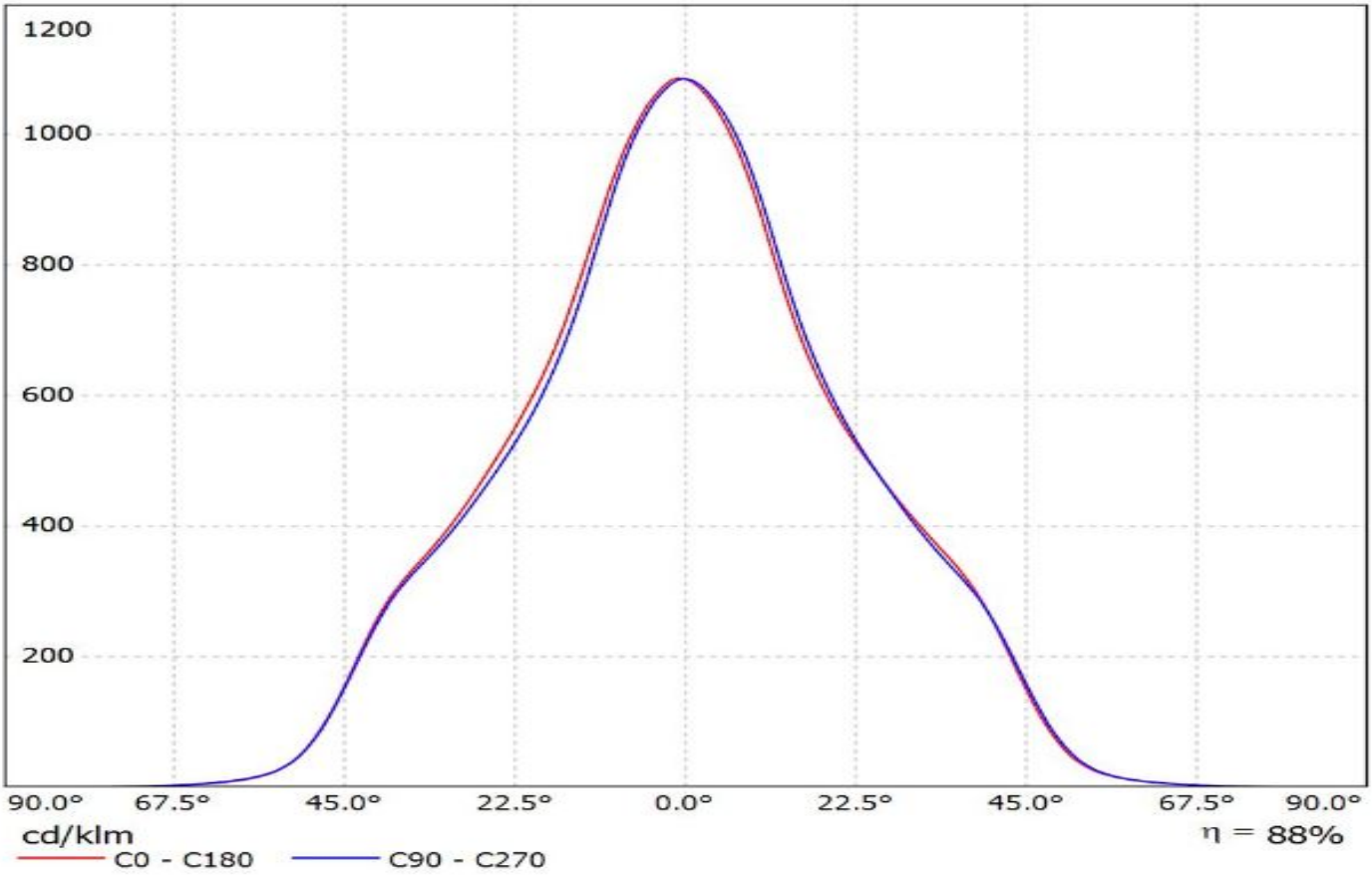
DRAWING TITLE
BROOKE-FAMILY Datasheet

SIZE A3

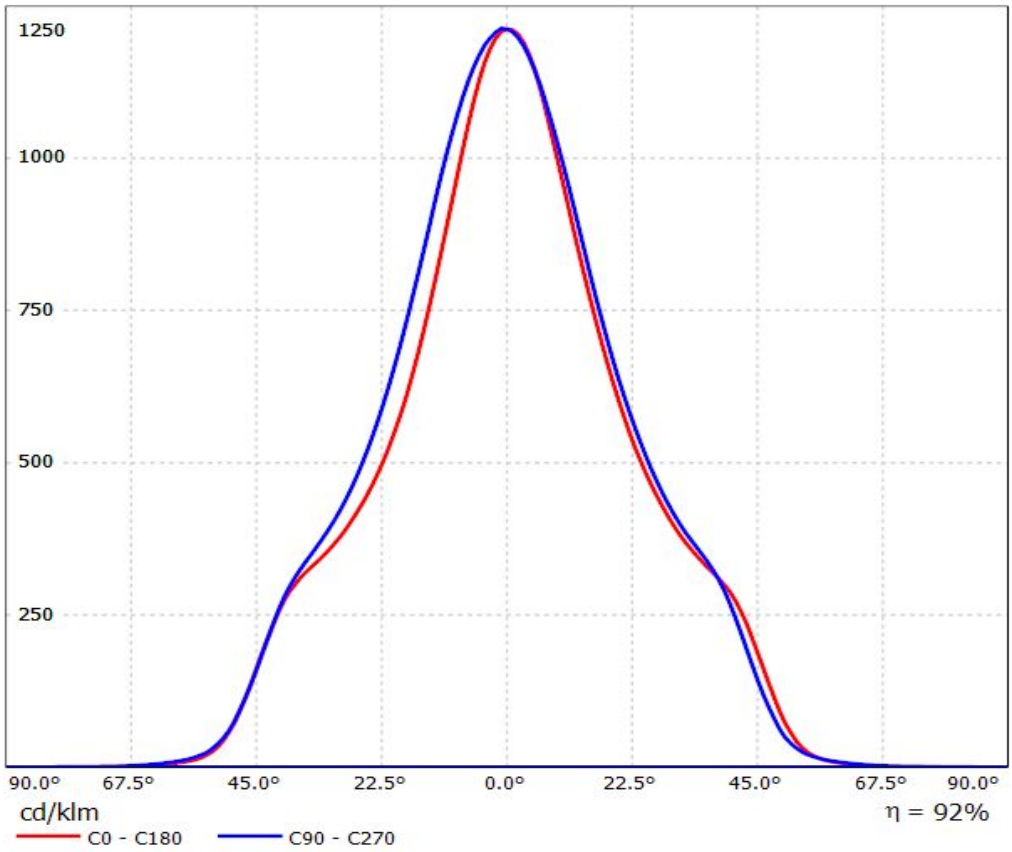
PART NUMBER N.A.

SCALE 1:1 | WEIGHT 12 g | SHEET 1/1

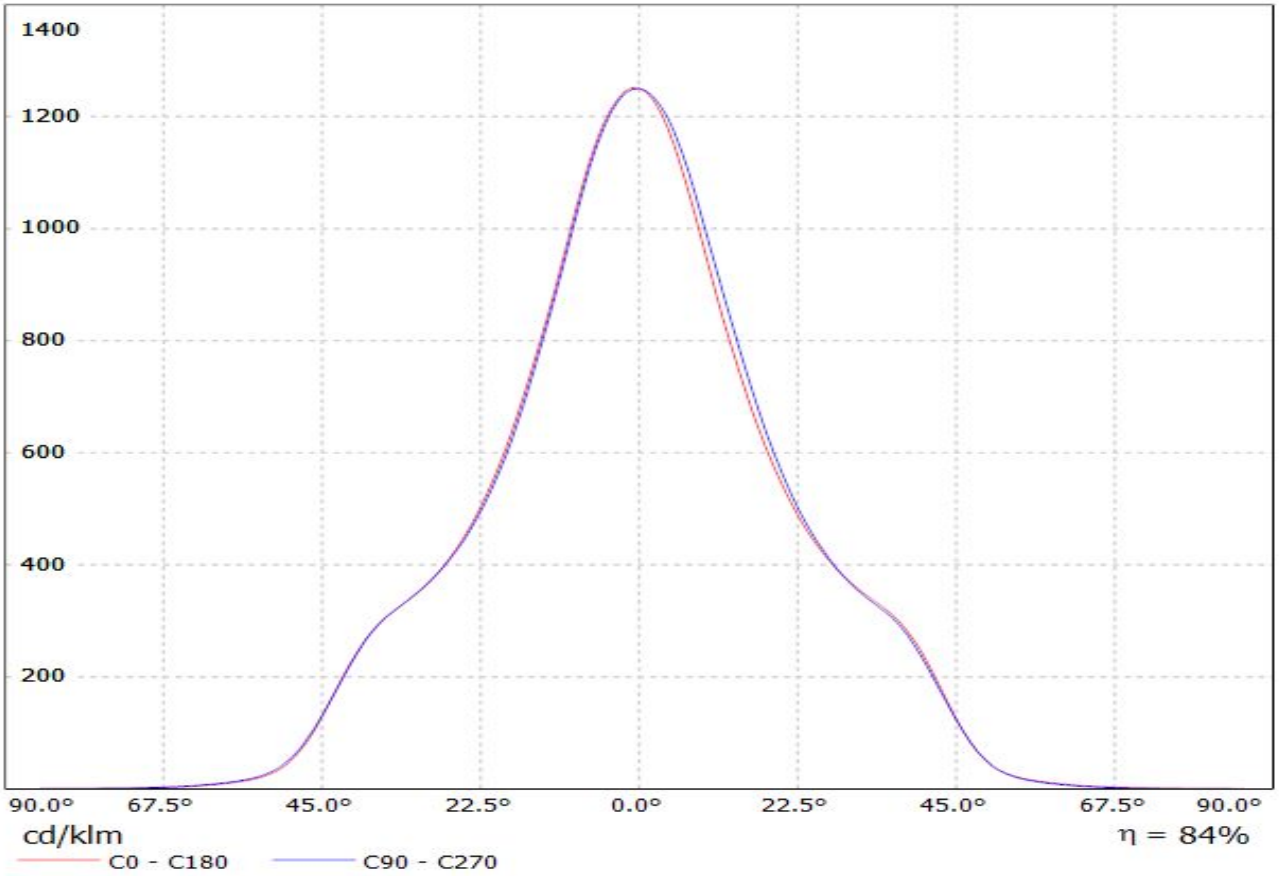
Luminaire: Ledil FCN14883_BROOKE-G2-W-RZ_(V10_Gen7)
Lamps: 1 x Bridgelux_V10_Gen7_(BXRE-30G2000-B)+F15255_HEKLA-SOCKET-C_1022.33lm@250mA_P=8.54W_I=0.25A



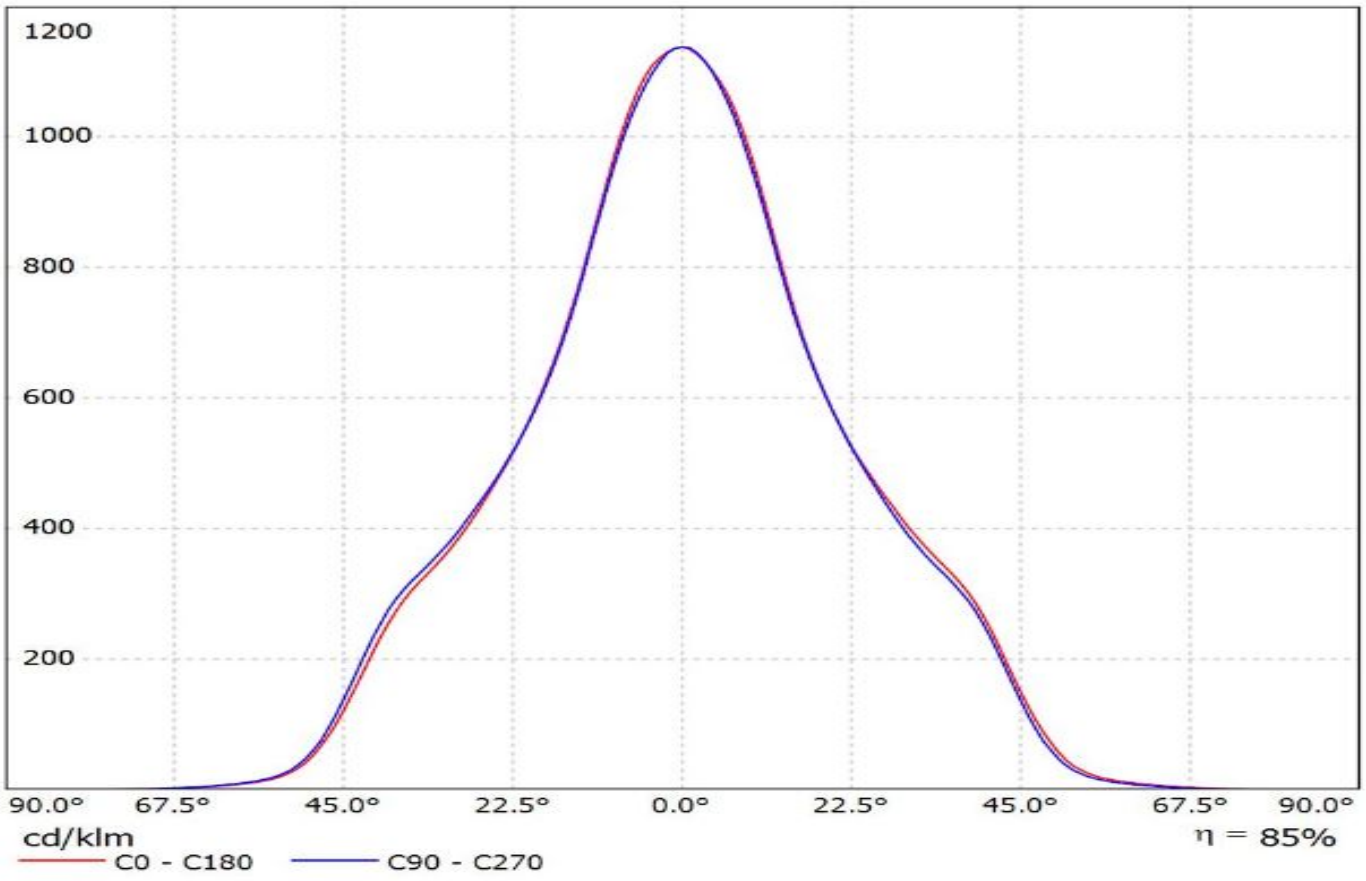
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(VERO10+F15616)
Lamps: 1 x Bridgelux_VERO10_(30-E1000B-Y2)_+F15616_HEKLA-SOCKET-F_815.324lm@250mA_CCT=3000K_P=6.48491W_I=0.25A



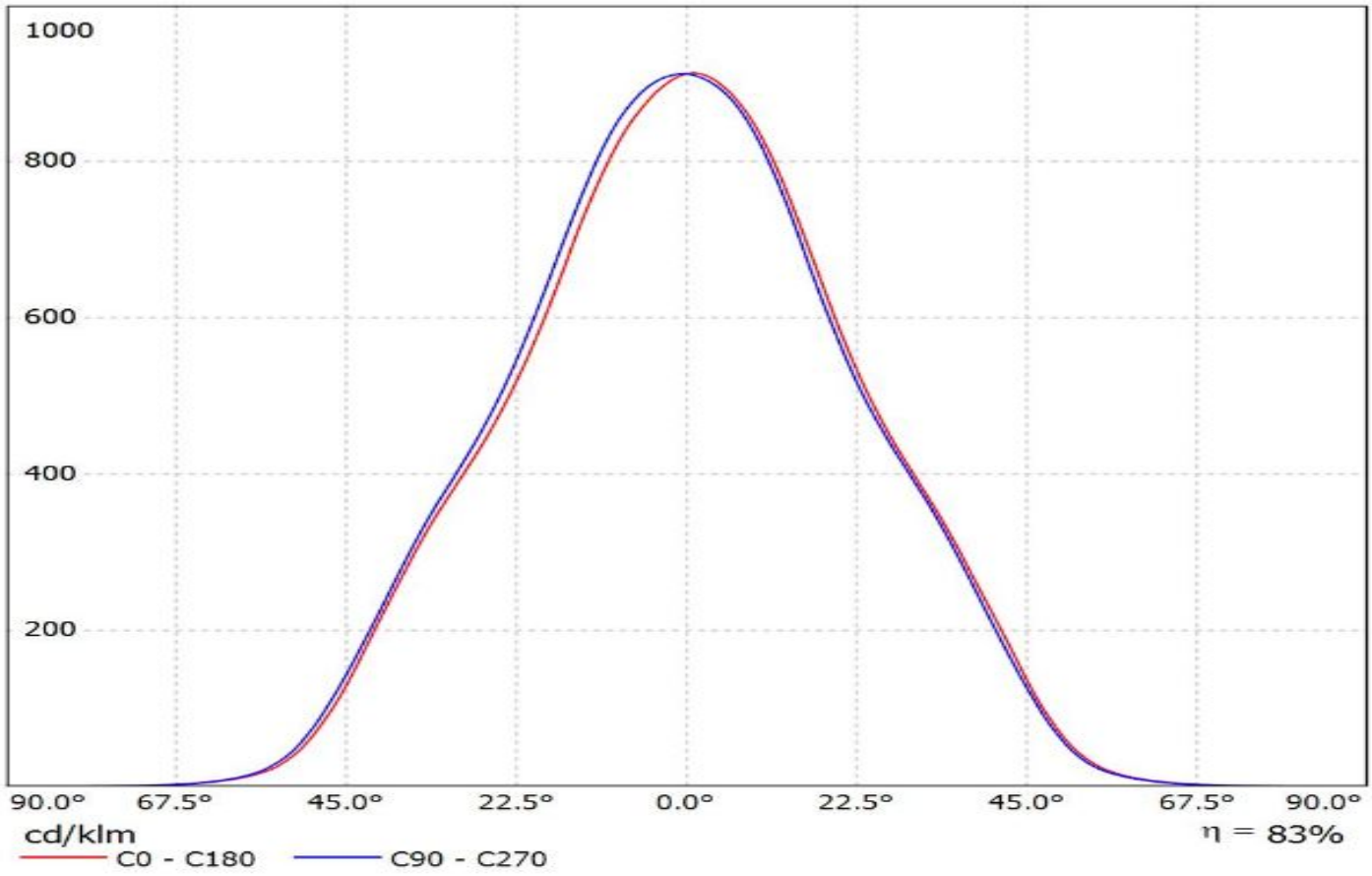
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(Vesta_TW_9mm)
Lamps: 1 x Bridgelux_Vesta_9mm_(12W)_tunable_white_1147.8lm@700mA_P=11.7839W_I=0.7A



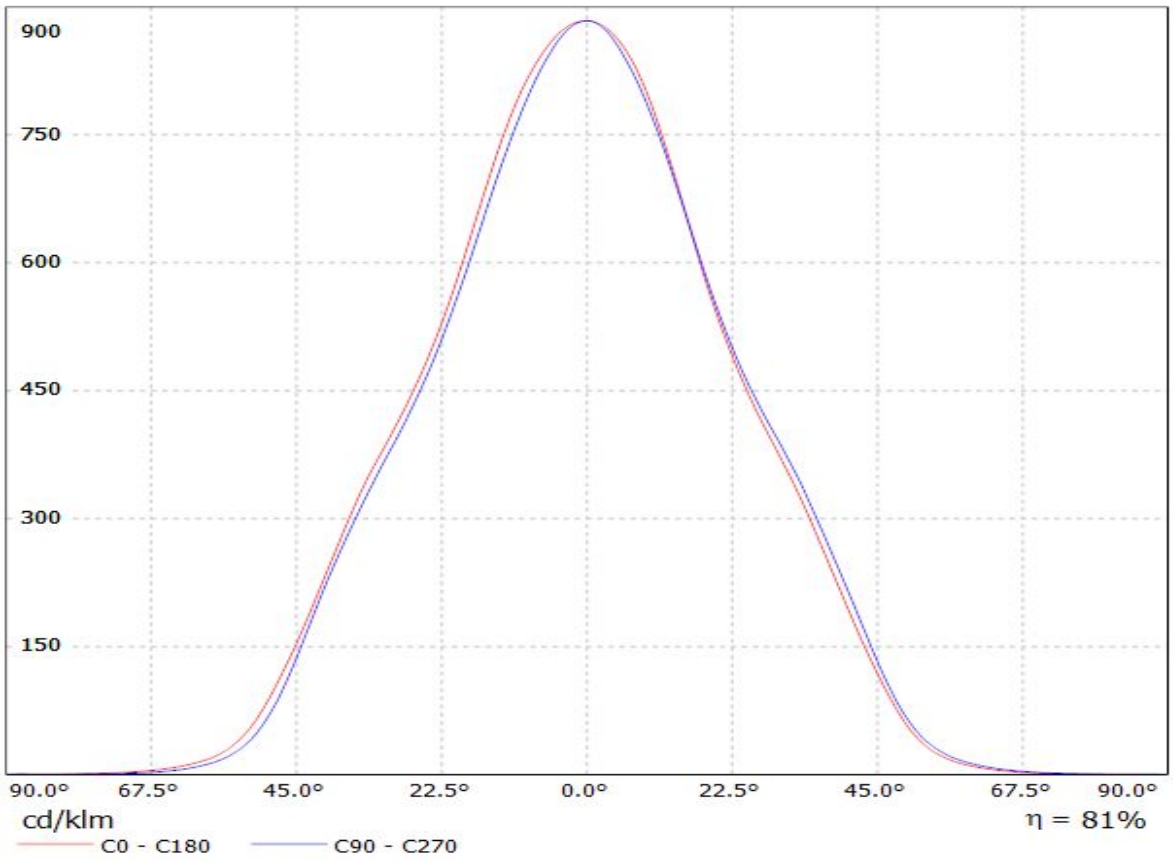
Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(Vesta_DTW_9mm+F16142+BW)
Lamps: 1 x Bridgelux_Vesta_DTW_9mm_(12W)_(BXRV-DR-1830-H-1000-B-13)_+_F16142_Hekla-K+BW_490_TypL8_1021.46_lm@350mA_P=11.6847W_I=0.350A



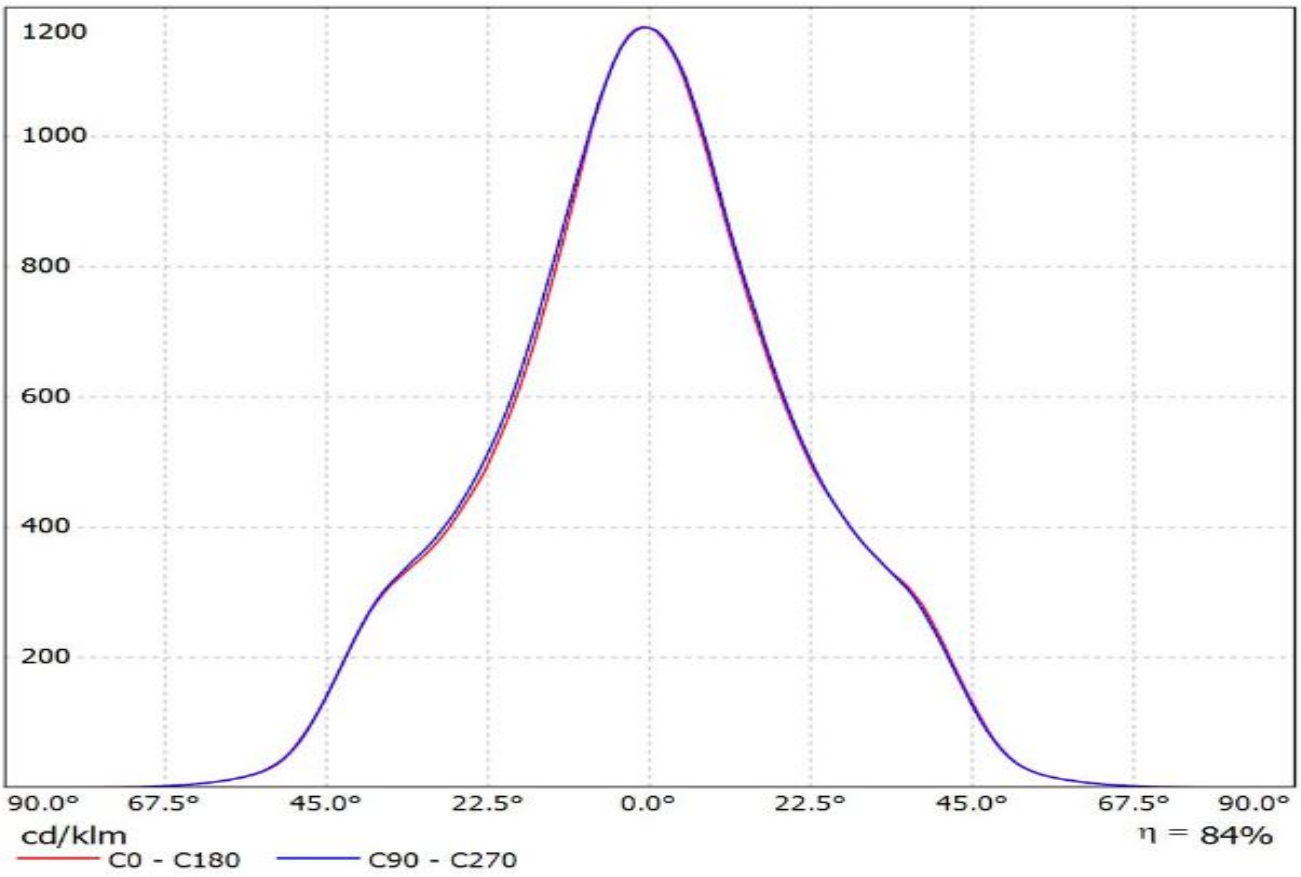
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(Vesta_DTW_15mm)+C16142+BW
Lamps: 1 x Bridgelux_Vesta_DTW_15mm_33W_(BXRV-DR-1830-H-3000-A-13)
+C16142+BW491_TypL8_2922.35lm@950mA_P=32.0644W_I=0.950A



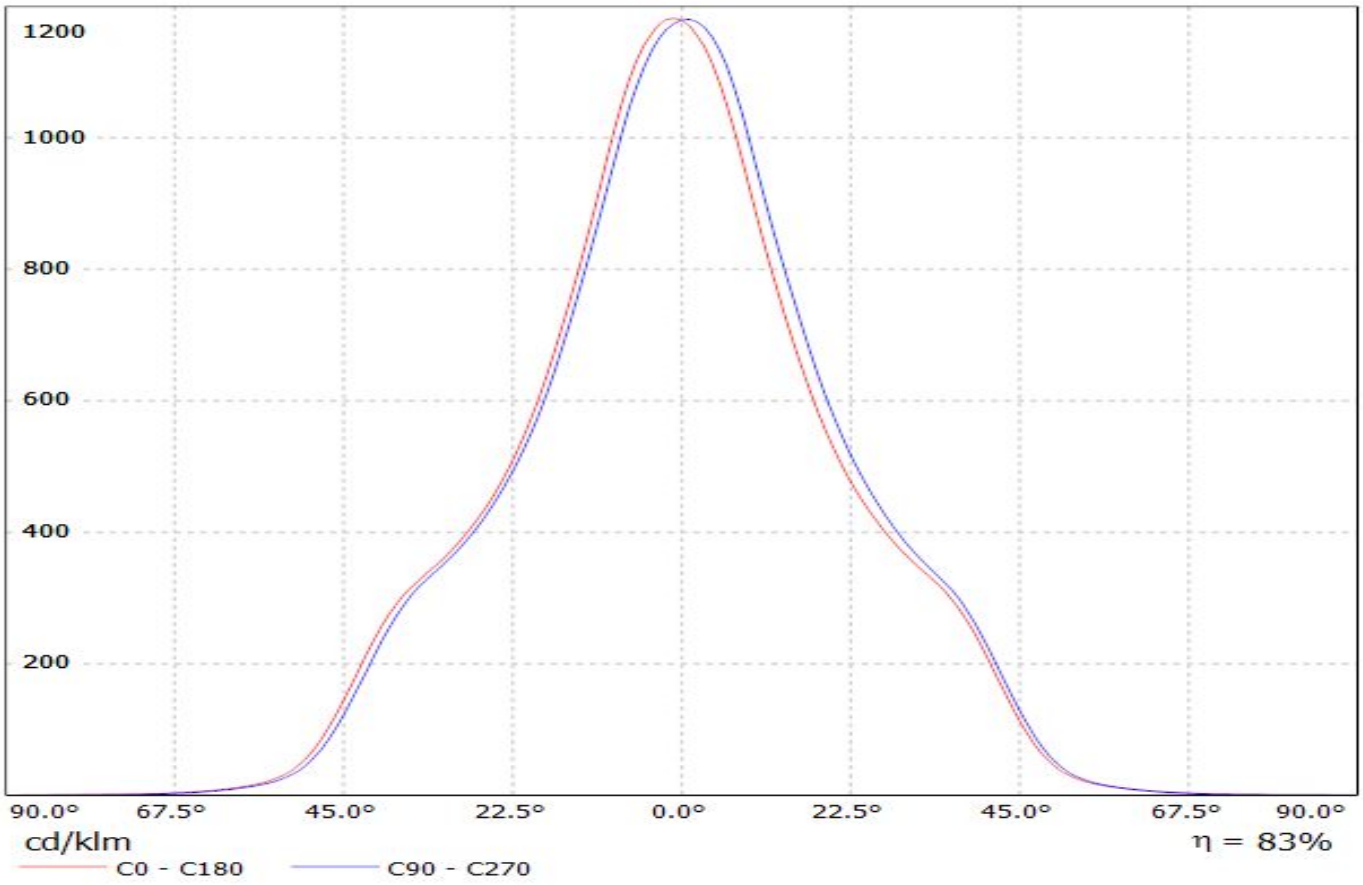
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(CLC030_DTW)
Lamps: 1 x Citizen_CLC030_DTW_(081B8-313G3G3)+BW436_TypL8+C16142_1672.16lm@460mA_P=15.4052W_I=0.460A



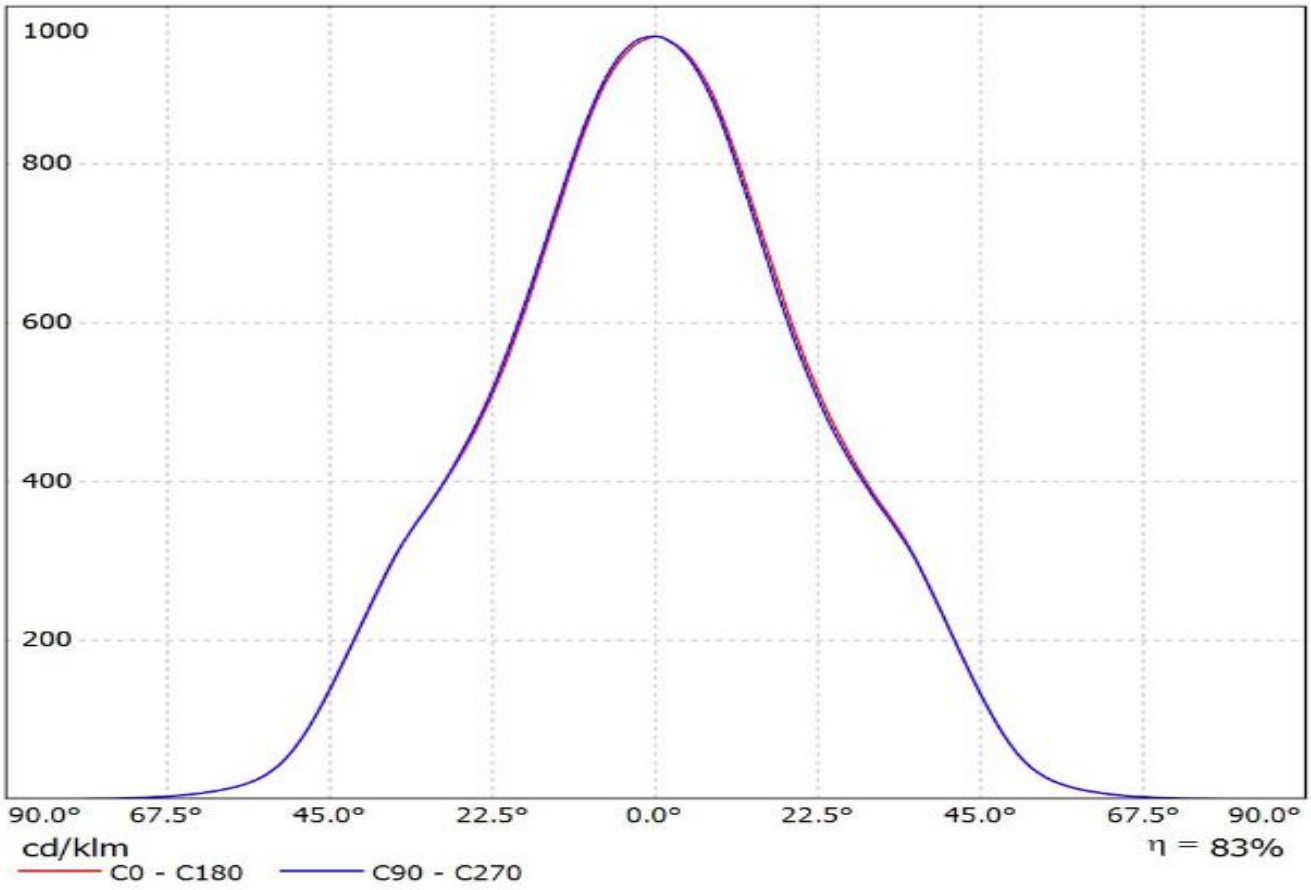
Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(LCN-C01B_CW)+BW_481_TypL8+C16142
Lamps: 1 x Citizen_TunableWhite_LCN-C01B_CW+Bender_Wirth_481_Typ_L8+C16142_HEKLA-SOCKET-K_1090.17lm_CCT=6500K_@350mA_P=8.1662W_I=0.350



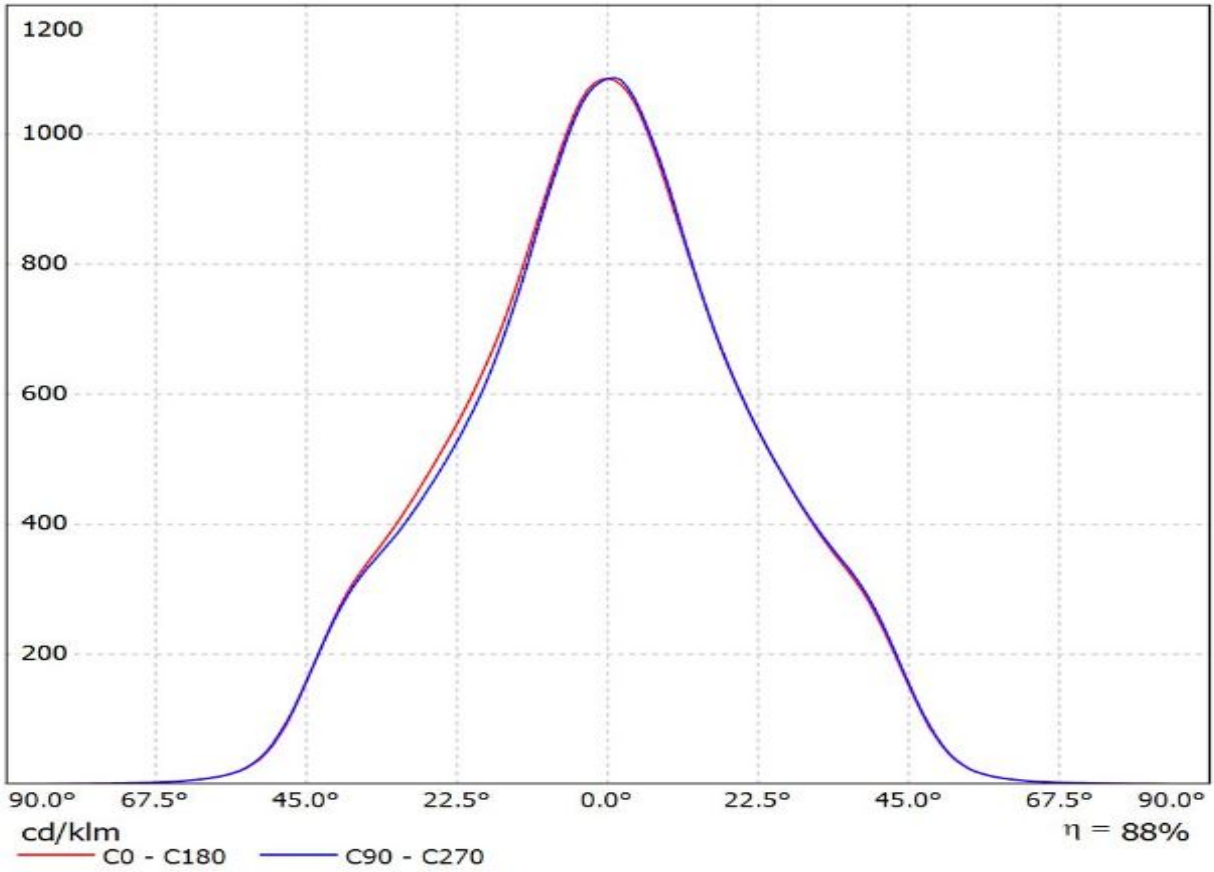
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(CLC020_057A5)
Lamps: 1 x Citizen_CLC020-057A5_913.53lm@360mA_P=12.9104W_I=0.25A



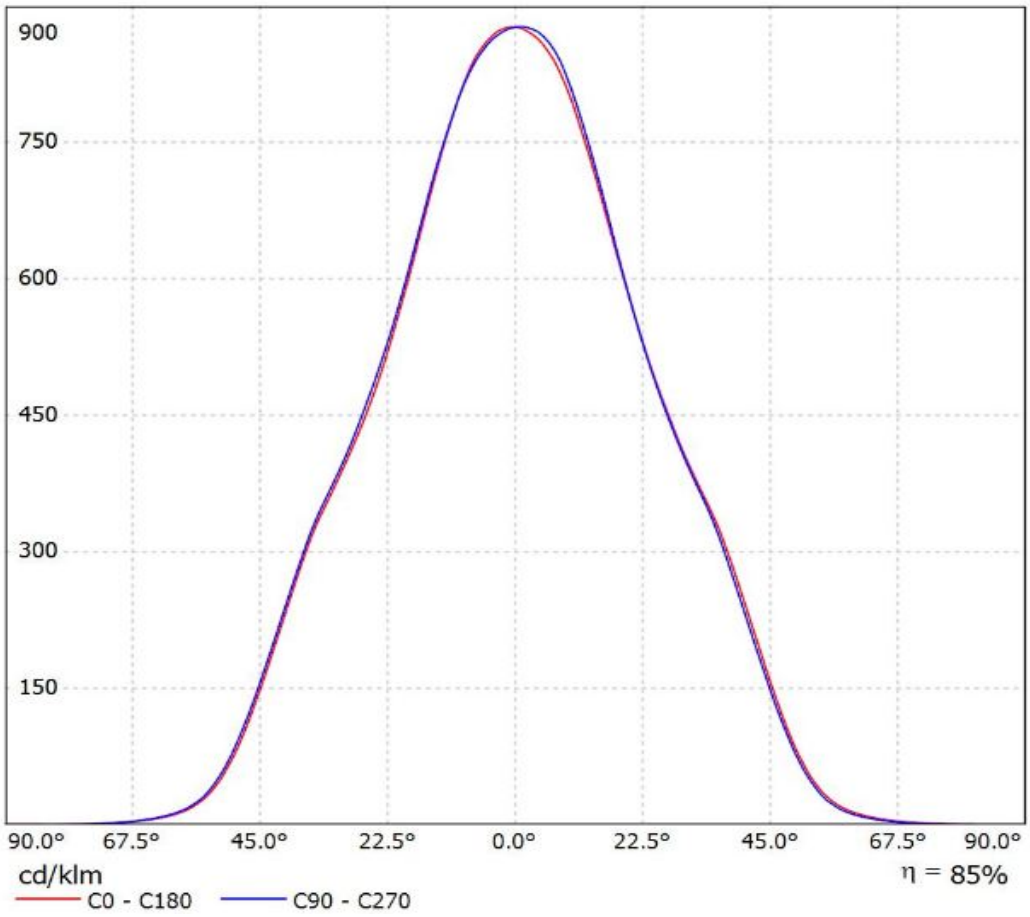
Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(LCN-C02B_CW)+BW_481_TypL8+C16142
Lamps: 1 x Citizen_Tunable_white_LCN-C02B_CW+Bender_Wirth_481_Typ_L8+C16142_HEKLA-SOCKET-K_2110.17lm@700mA_P=15.7142W_U=22.5V



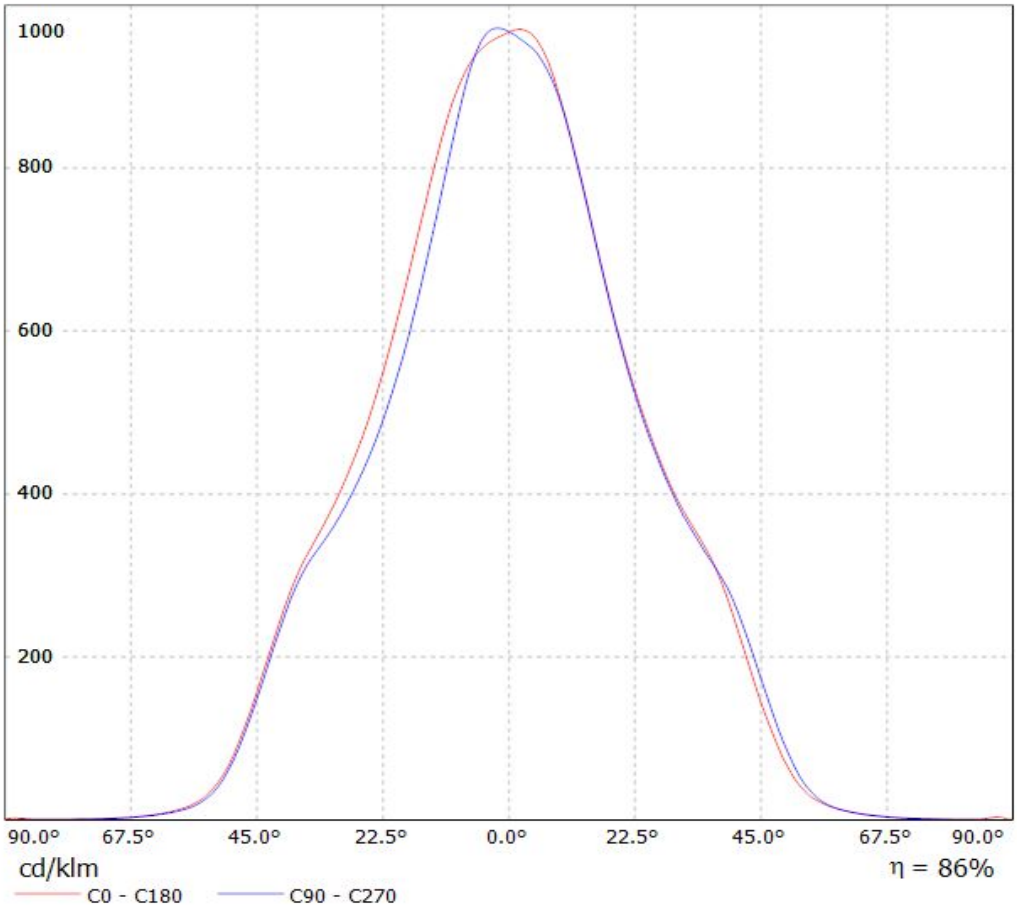
Luminaire: LEDiL Oy FCN14883_BROOKE-G2-W-RZ-CLL020_(Samsung_COB_D_9.8mm)
Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_545.286lm@100mA_CCT=4000K_P=3.2361W_I=0.10A



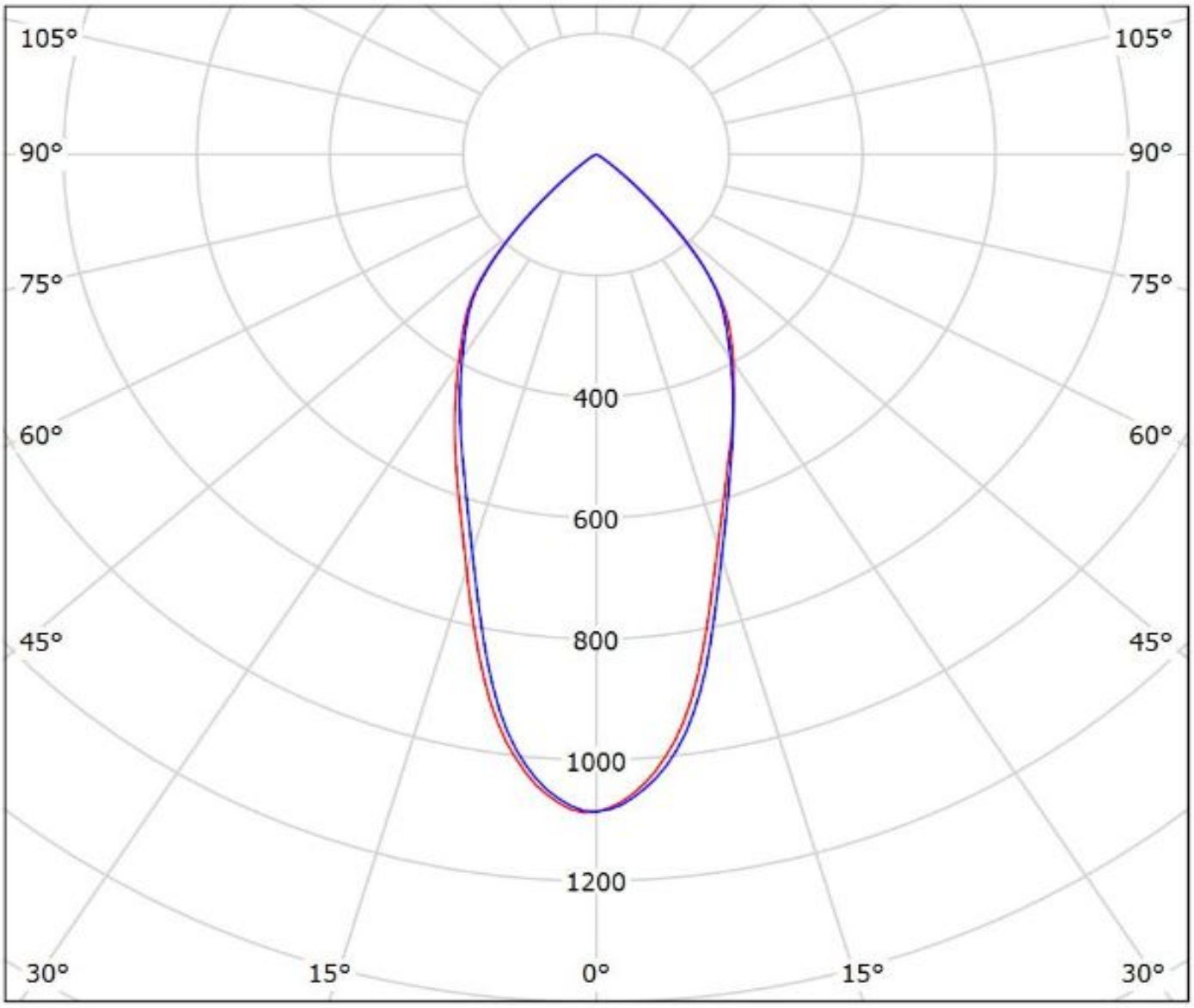
Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(SLE_G1_15mm_2000lm)
Lamps: 1 x Tridonic_SLE_G1_15mm_2000lm_927_Sunset_R_EXC+F15859_HEKLA-SOCKET-I_1812.56lm@500mA_P=17.8138W_U=35.647V



Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(SLE_G1_11mm_1000lm_927_Sunset_R_EXC+F15859)
Lamps: 1 x Tridonic_SLE_G1_11mm_1000lm_927_Sunset_R_EXC+F15859_HEKLA-SOCKET-I_1498.24lm@500mA_P=19.8661W_U=39.756V



Luminaire: Ledil FCN14883_BROOKE-G2-W-RZ_(V10_Gen7)
Lamps: 1 x Bridgelux_V10_Gen7_(BXRE-30G2000-B)+F15255_HEKLA-SOCKET-C_1022.33lm@250mA_P=8.54W_I=0.25A

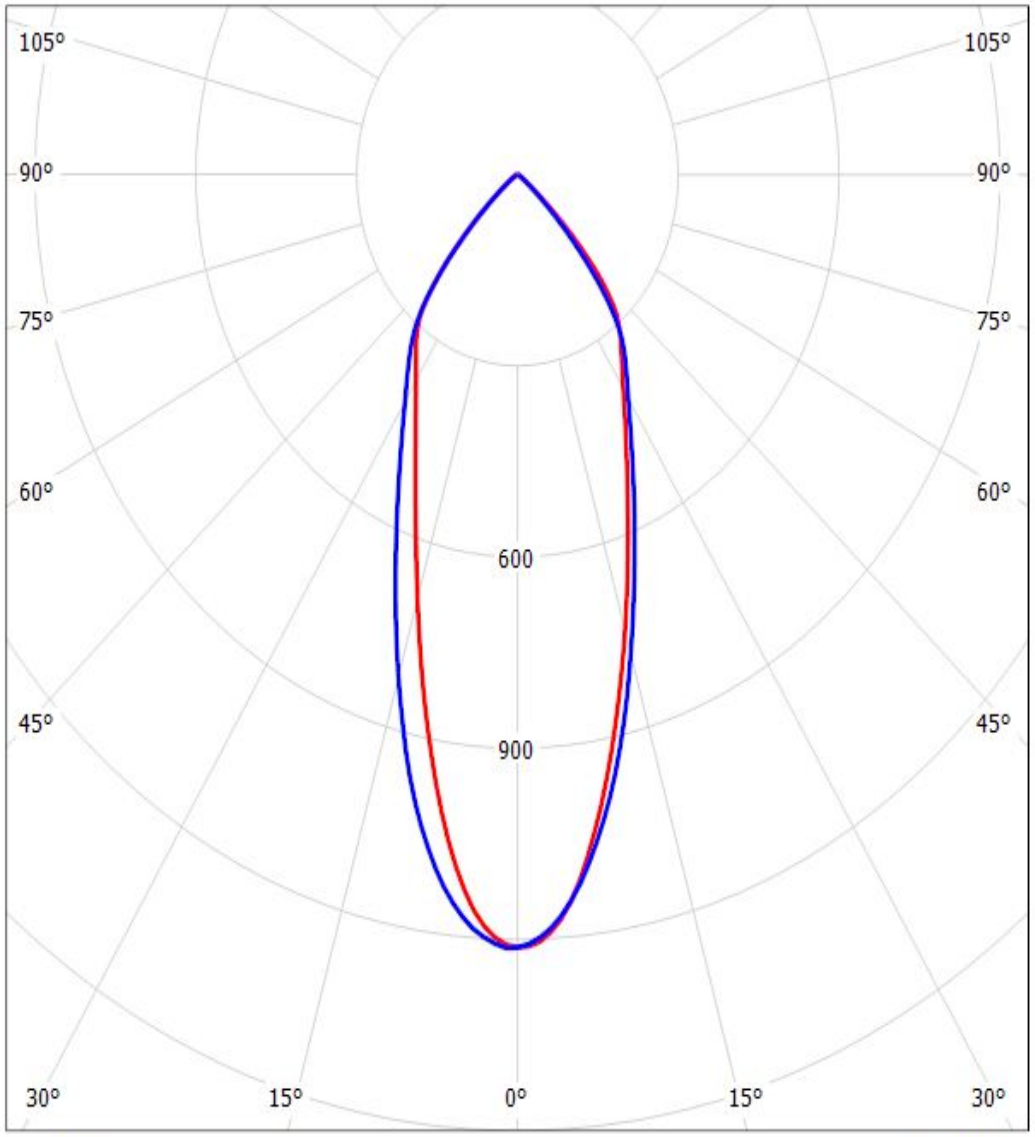


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(VERO10+F15616)
Lamps: 1 x Bridgelux_VERO10_(30-E1000B-Y2)_+F15616_HEKLA-SOCKET-F_815.324lm@250mA_CCT=3000K_P=6.48491W_I=0.25A

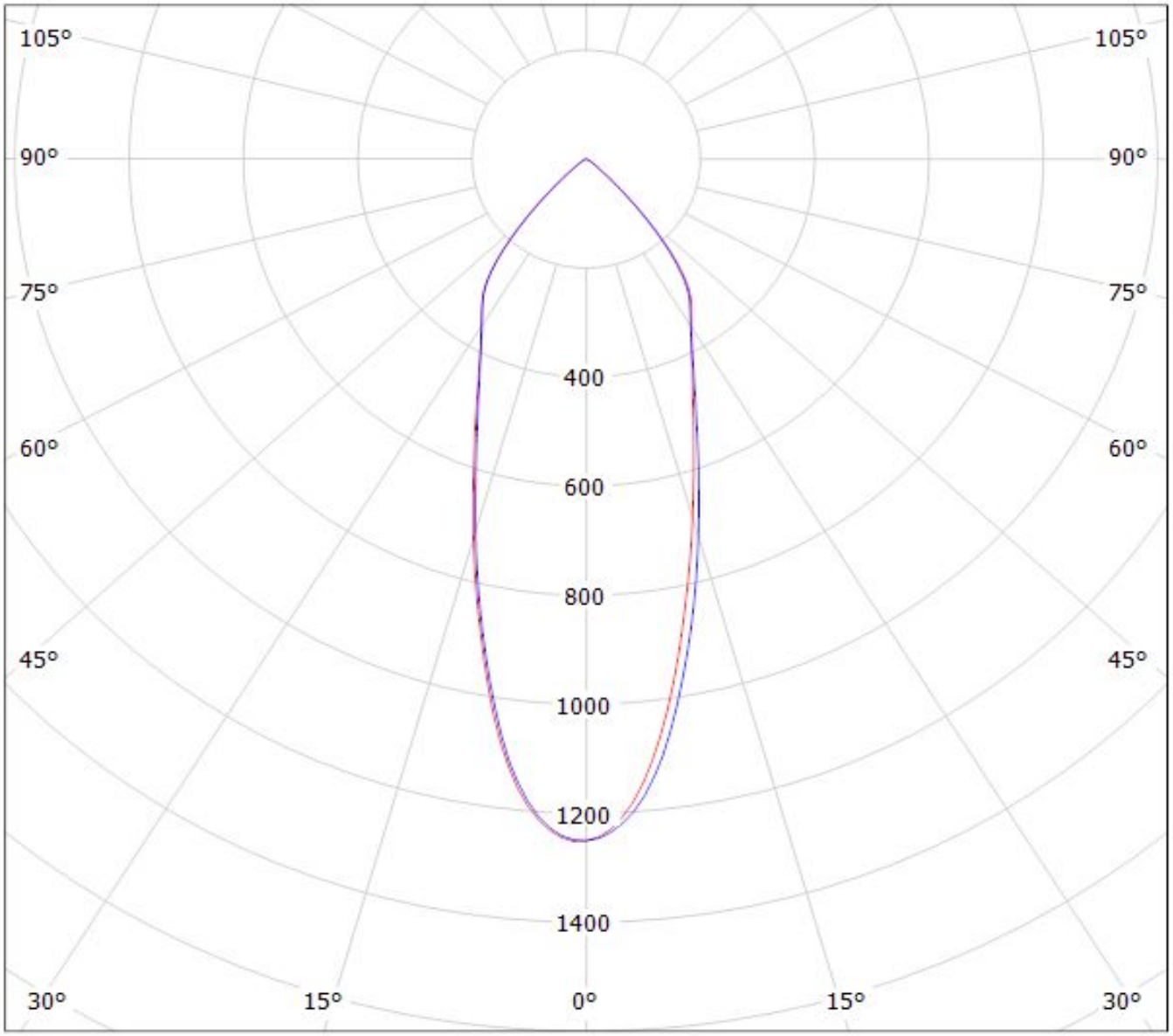


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(Vesta_TW_9mm)
Lamps: 1 x Bridgelux_Vesta_9mm_(12W)_tunable_white_1147.8lm@700mA_P=11.7839W_I=0.7A

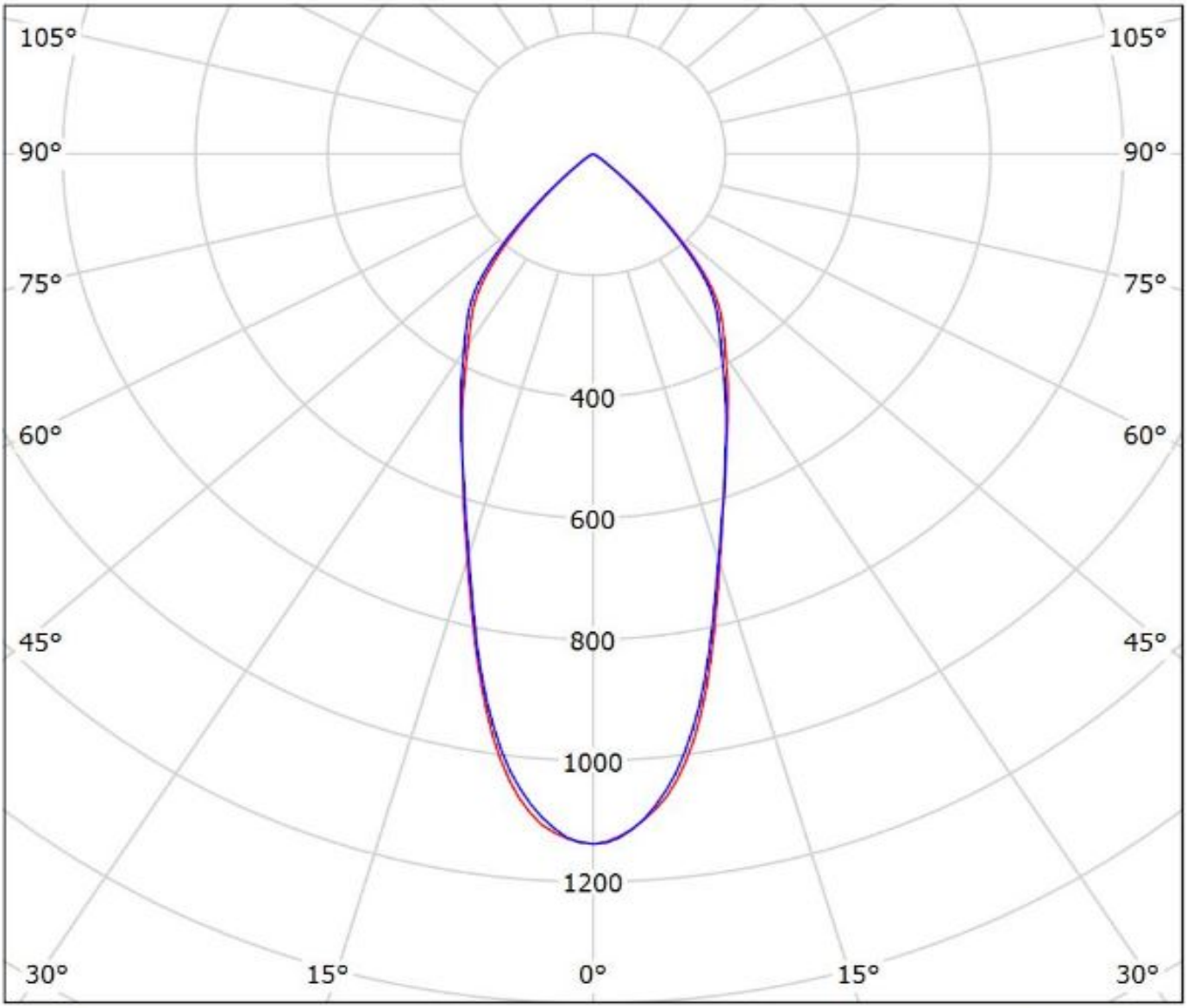


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(Vesta_DTW_9mm+F16142+BW)
Lamps: 1 x Bridgelux_Vesta_DTW_9mm_(12W)_(BXRV-DR-1830-H-1000-B-13)_+_F16142_Hekla-K+BW_490_TypL8_1021.46_lm@350mA_P=11.6847W_I=0.350A

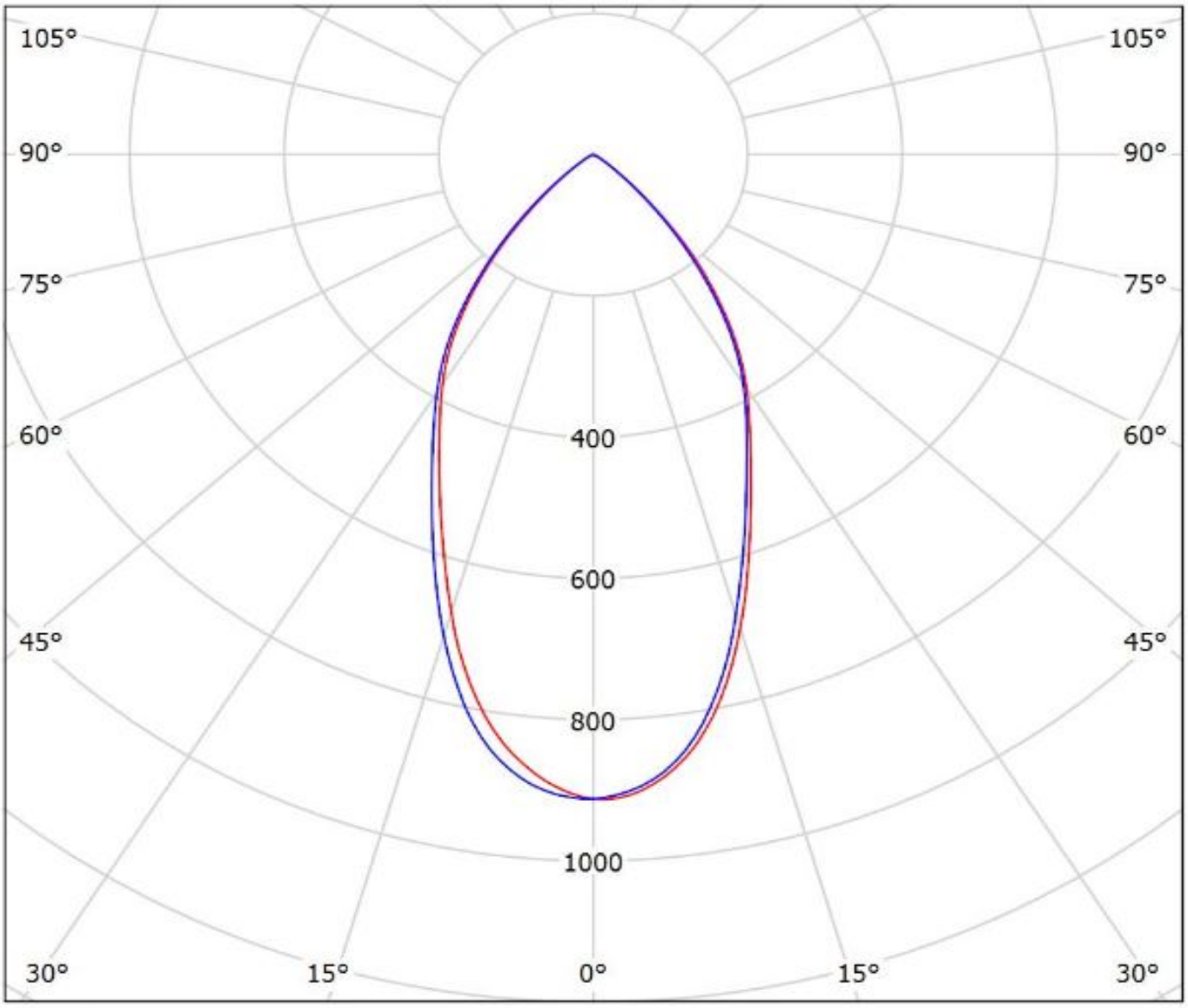


cd/klm

η = 85%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(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

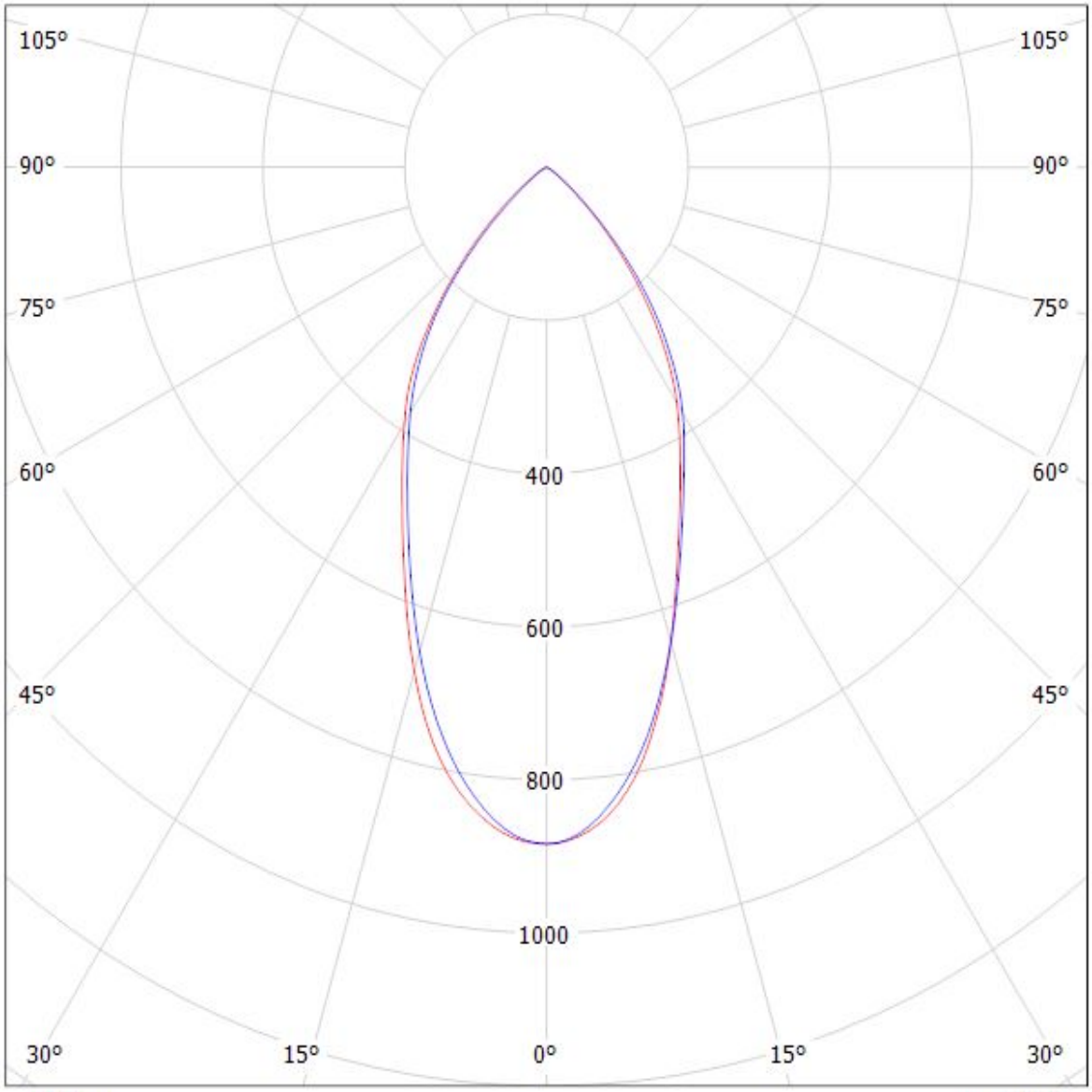


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(CLC030_DTW)
Lamps: 1 x Citizen_CLC030_DTW_(081B8-313G3G3)+BW436_TypL8+C16142_1672.16lm@460mA_P=15.4052W_I=0.460A

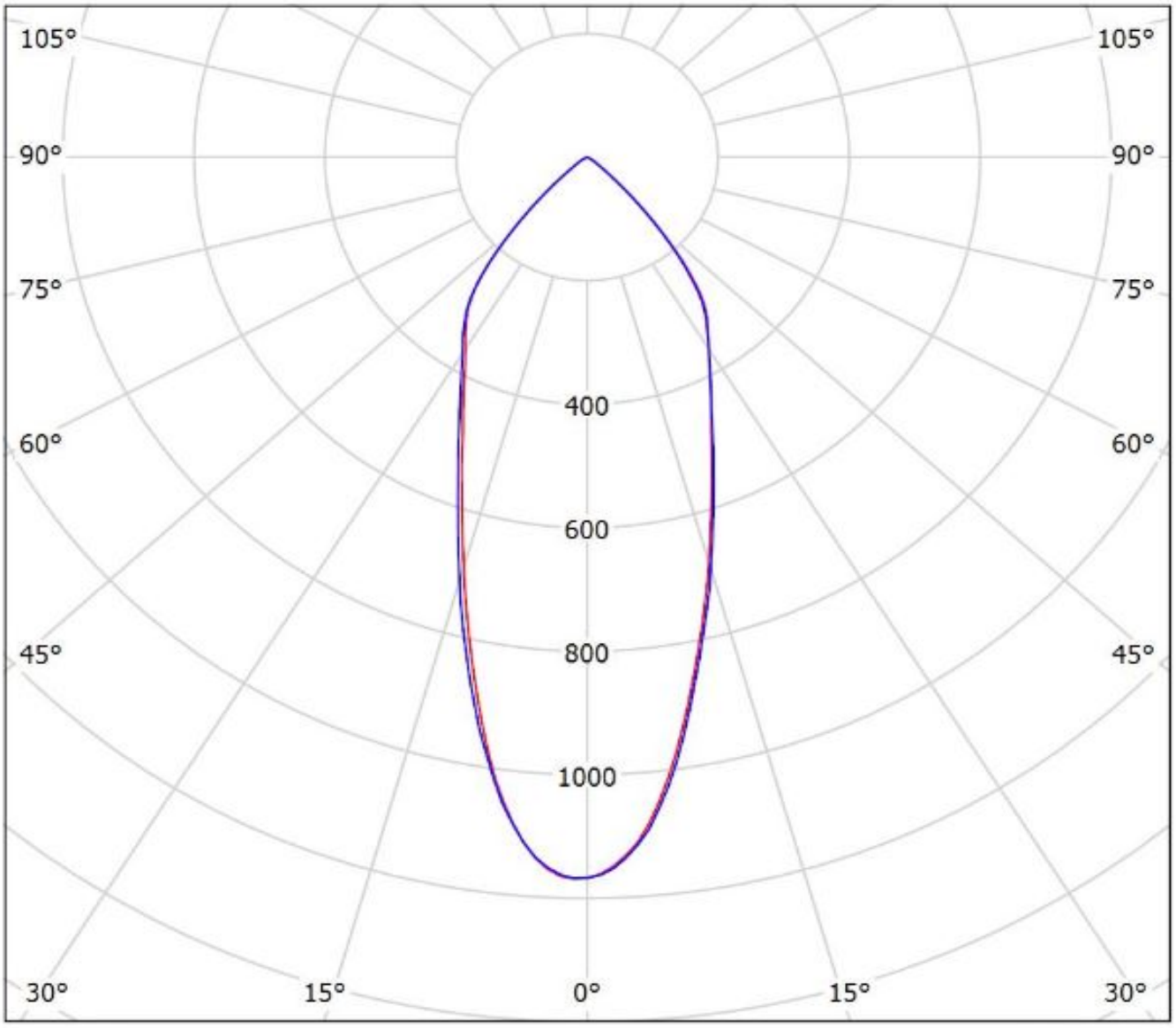


cd/klm

η = 81%

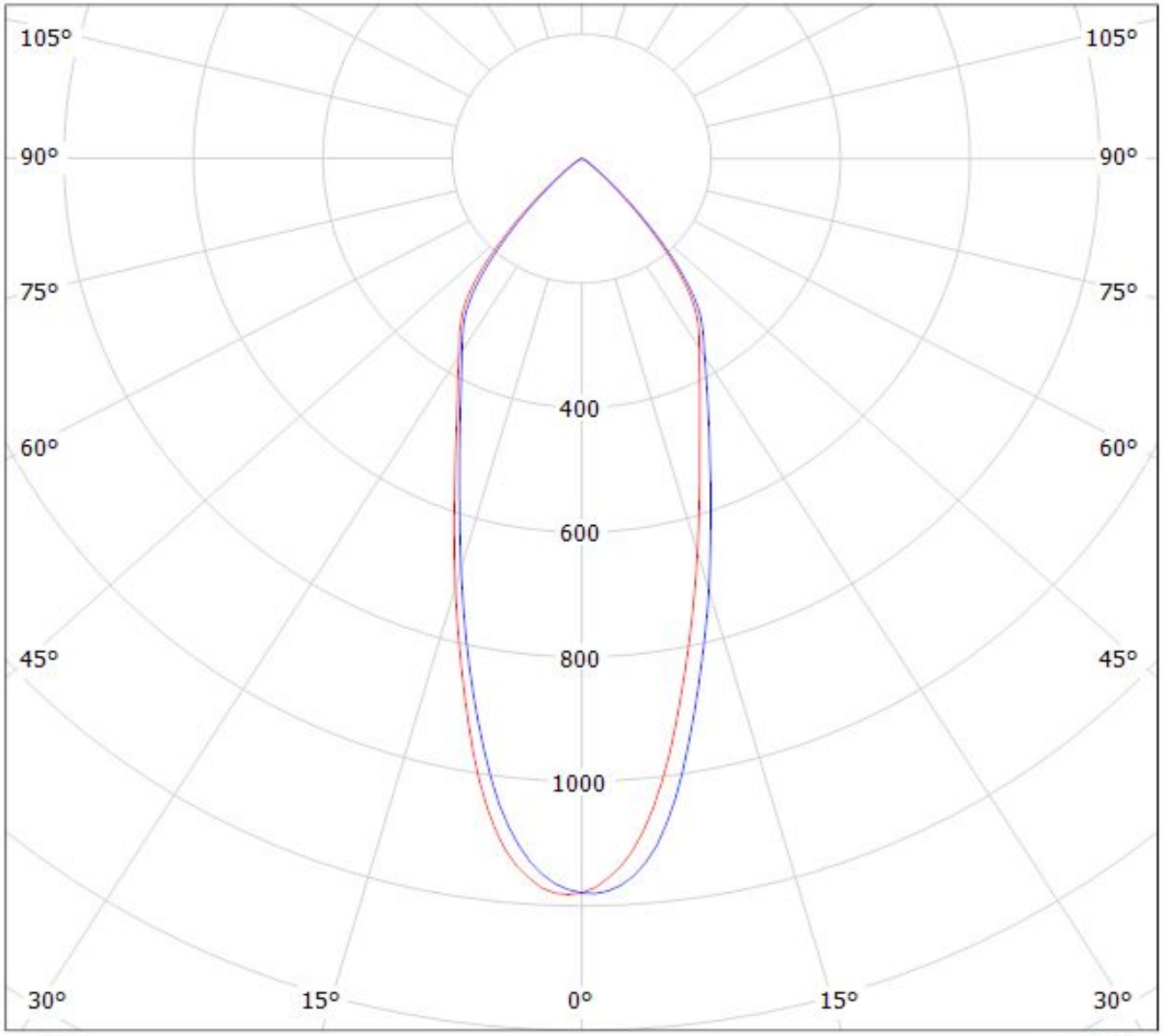
C0 - C180 C90 - C270

Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(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
η = 84%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(CLC020_057A5)
Lamps: 1 x Citizen_CLC020-057A5_913.53lm@360mA_P=12.9104W_I=0.25A

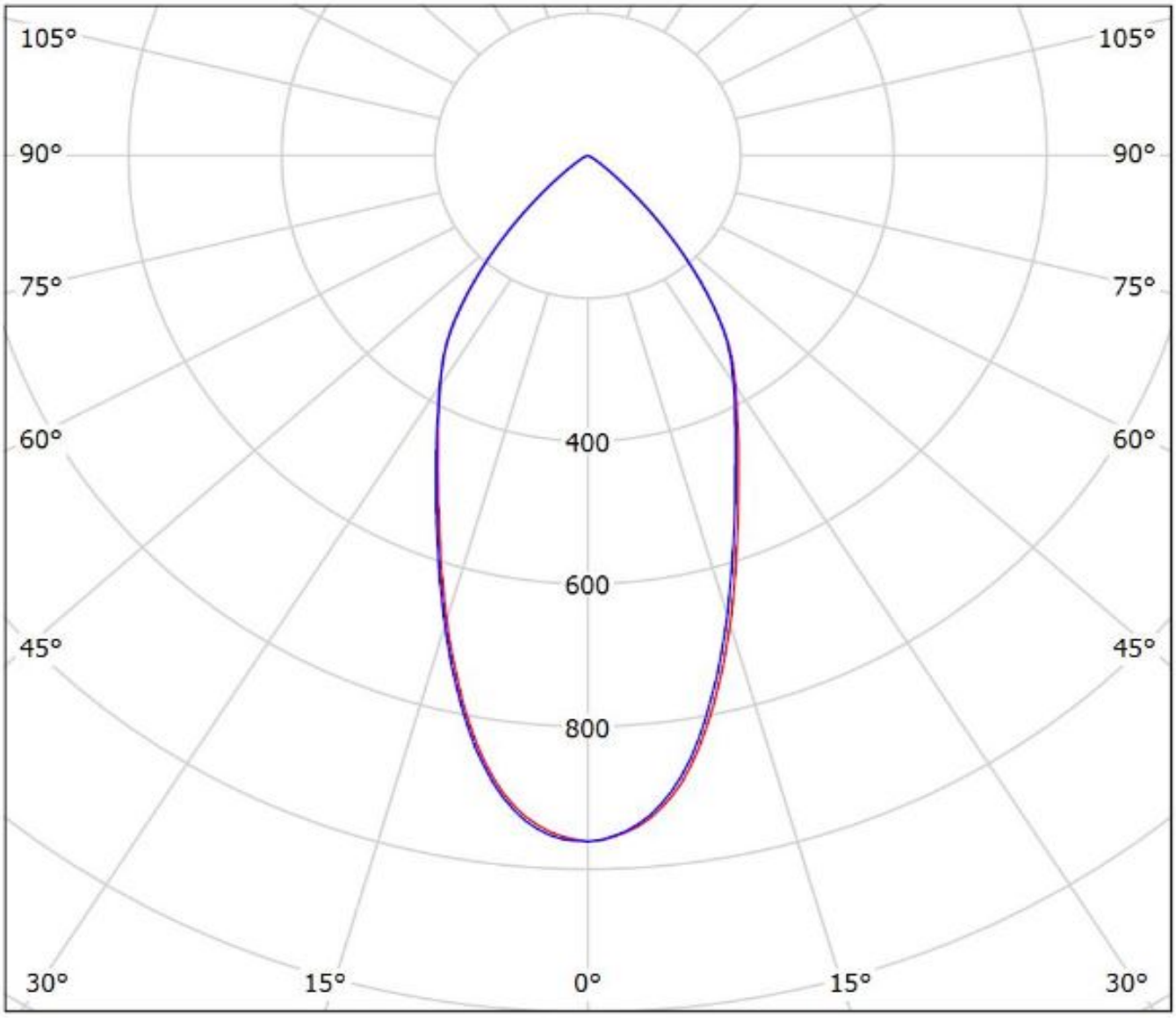


cd/klm

η = 83%

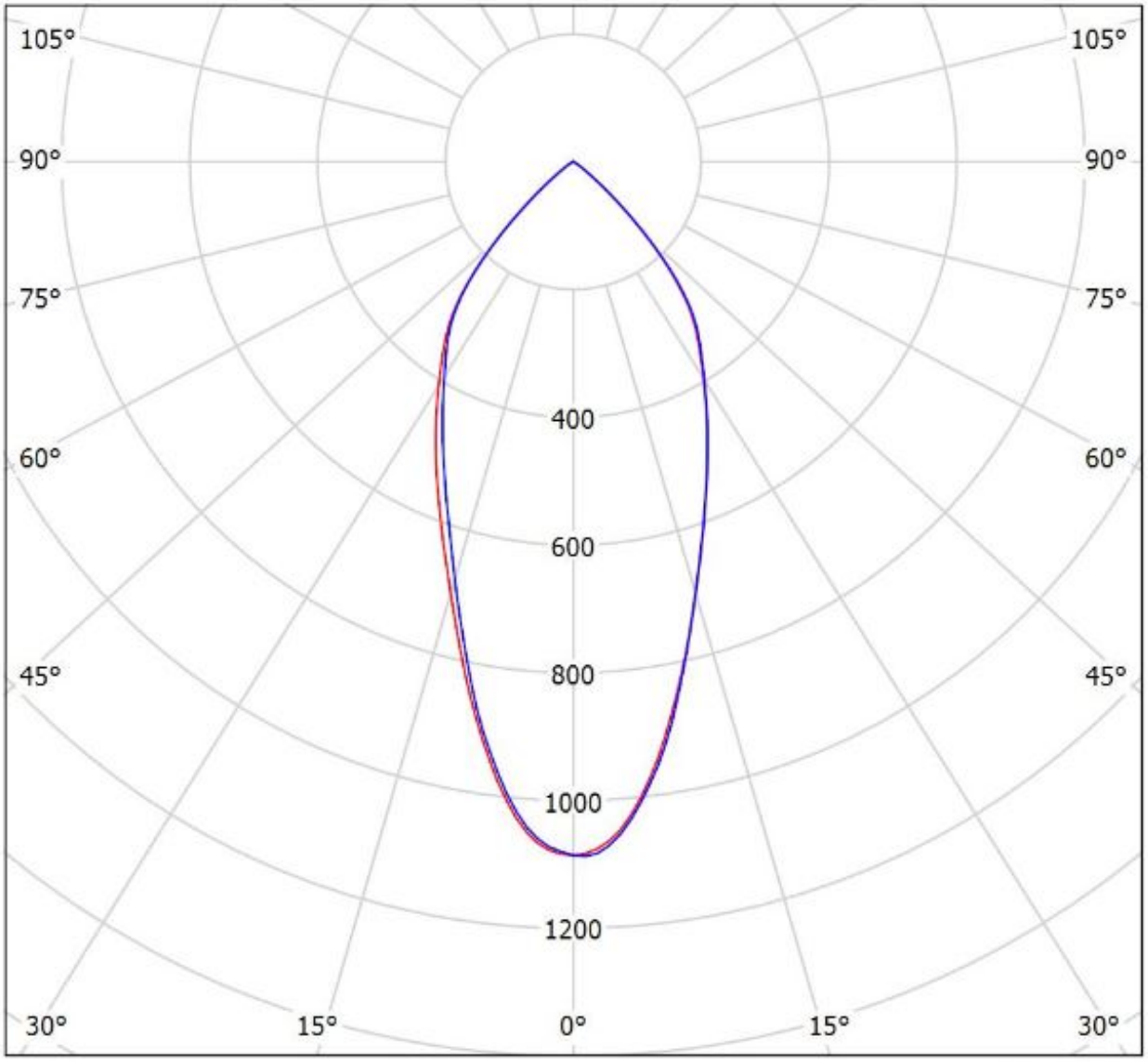
C0 - C180 C90 - C270

Luminaire: Ledil FN14883_BROOKE-G2-W-RZ_(LCN-C02B_CW)+BW_481_TypL8+C16142
Lamps: 1 x Citizen_Tunable_white_LCN-C02B_CW+Bender_Wirth_481_Typ_L8+C16142_HEKLA-SOCKET-K_2110.17lm@700mA_P=15.7142W_U=22.5V



cd/klm
η = 83%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy FCN14883_BROOKE-G2-W-RZ-CLL020_(Samsung_COB_D_9.8mm)
Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_545.286lm@100mA_CCT=4000K_P=3.2361W_I=0.10A

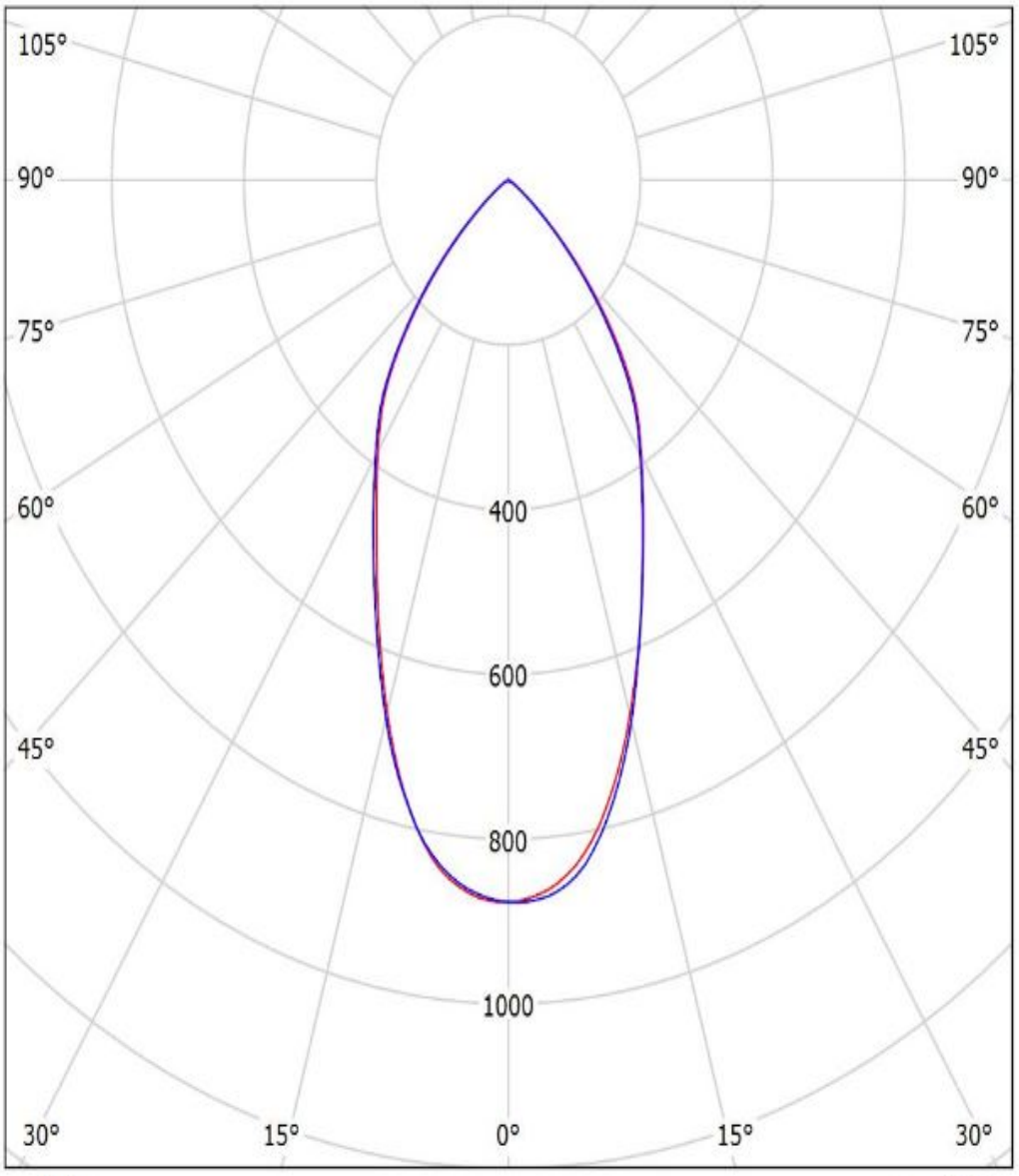


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(SLE_G1_15mm_2000lm)
Lamps: 1 x Tridonic_SLE_G1_15mm_2000lm_927_Sunset_R_EXC+F15859_HEKLA-SOCKET-I_1812.56lm@500mA_P=17.8138W_U=35.647V

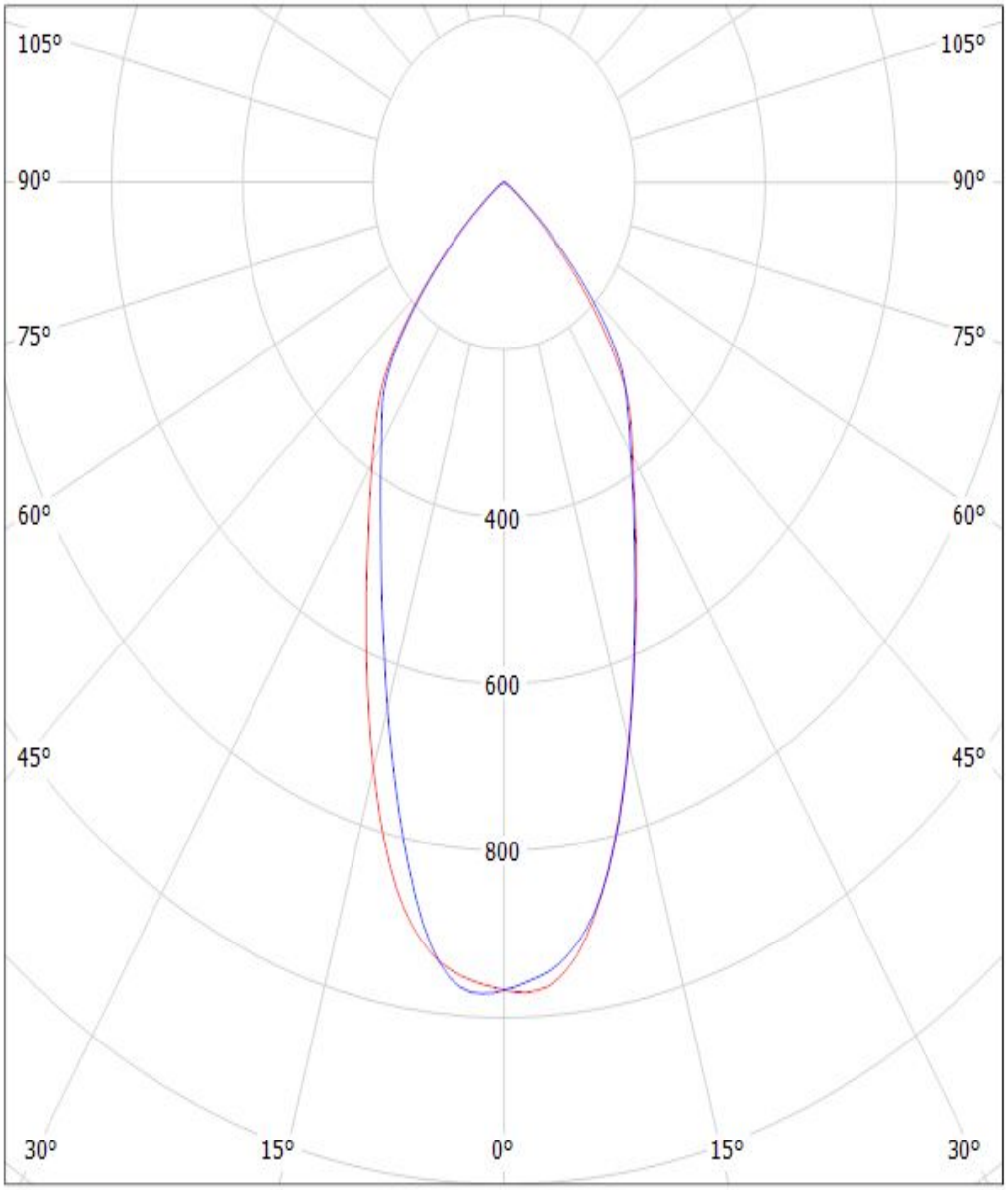


cd/klm

η = 85%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FN14883_BROOKE-G2-W-RZ_(SLE_G1_11mm_1000lm_927_Sunset_R_EXC+F15859)
Lamps: 1 x Tridonic_SLE_G1_11mm_1000lm_927_Sunset_R_EXC+F15859_HEKLA-SOCKET-I_1498.24lm@500mA_P=19.8661W_U=39.756V



cd/klm

η = 86%

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.

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.