PRODUCT DATASHEET
HighBay series
last update 29/5/2017

DETAILS

Product Number	CS14130_HB-IP-2X6-W
Family	HighBay
Type	Assembly
Color	white
Diameter	173 + 71,4 mm
Height	11,4 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	pin, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	29/05/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XT-E	58 deg	Wide	94 %	0.870	-
XM-L	sim: 57	Wide	sim: 93 %	-	-
XM-L2	61 deg	Wide	94 %	0.800	-
XP-G2	58 deg	Wide	93 %	0.870	-
XB-D	sim: 52	Wide	sim: 90 %	-	-
XP-G	60 deg	Wide	94 %	0.840	-
XP-L	67 deg	Wide	94 %	0.750	-
XP-E2	sim: 56	Wide	sim: 94 %	-	-
XHP35 HD	sim: 60	Wide	sim: 94 %	sim: 0.930	-
XHP35 HI	sim: 57	Wide	sim: 94 %	sim: 0.980	-
XP-G3	59 deg	Wide	94 %	0.840	-
MHB-A/B	sim: 60	Wide	sim: 91 %	sim: 0.860	-
XP-L2	62 deg	Wide	94 %	0.770	-
H35C1 (LEMWA33)	sim: 59	Wide	sim: 94 %	sim: 0.960	-
LUXEON Rebel	sim: 50	Wide	sim: 93 %	-	-
LUXEON T	60 deg	Wide	94 %	0.860	-
LUXEON Rebel ES	57 deg	Wide	94 %	0.860	-
LUXEON R	58 deg	Wide	94 %	0.900	-
LUXEON Z ES	52 deg	Wide	94 %	1.000	-
LUXEON TX	54 deg	Wide	94 %	0.960	-
LUXEON XR-TX (L2T0-xxyy012M)	60 deg	Wide	94 %	0.900	-
LUXEON 5050	sim: 54	Wide	sim: 95 %	sim: 1.100	-
LUXEON V	59 deg	Wide	93 %	0.900	-
NVSxx19B/NVSxx19C	58 deg	Wide	94 %	0.870	-
NF2x757A	sim: 50	Wide	sim: 93 %	-	-

Ledil Oy
Salorankatu 10
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PRODUCT DATASHEET
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last update 29/5/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
NVSxE21A	51 deg	Wide	94 %	1.140	-
Oslon Square PC	sim: 56	Wide	sim: 93 %	-	-
Oslon Square EC	sim: 56	Wide	sim: 93 %	-	-
Duris S8	54 deg	Wide	94 %	1.000	-
Oslon SSL 80	sim: 52	Wide	sim: 94 %	sim: 1.200	-
Oslon Square Gen3	sim: 56	Wide	sim: 94 %	1.080	-
OSCONIQ P 3737 (3W version)	sim: 56	Wide	sim: 94 %	sim: 1.060	-
OSCONIQ P 3737 (2W version)	sim: 57	Wide	sim: 94 %	sim: 1.100	-
Fortimo FastFlex LED board 2x6 DP G4	58 deg	Wide	93 %	0.870	-
Fortimo FastFlex LED board 2x6 DPX G4	59 deg	Wide	94 %	0.840	-
LH181B	sim: 54	Wide	sim: 94 %	sim: 1.200	-
Z5M1/Z5M2	59 deg	Wide	94 %	0.870	-
Acrich MJT 4040	sim: 52	Wide	sim: 93 %	sim: 1.200	-
Z5M	sim: 50	Wide	sim: 94 %	sim: 1.000	-
Z8Y22P	57 deg	Wide	94 %	0.880	-
SMJQ-D36W12Mx	53 deg	Wide	93 %	0.980	-
SMJQ-D36W12Px	58 deg	Wide	94 %	0.880	-
Z8Y22	53 deg	Wide	93 %	0.980	-
TL1L3	sim: 54	Wide	sim: 89 %	-	-
TL1L2	sim: 55	Wide	sim: 94 %	sim: 0.980	-
TL1L4	56 deg	Wide	94 %	0.950	-

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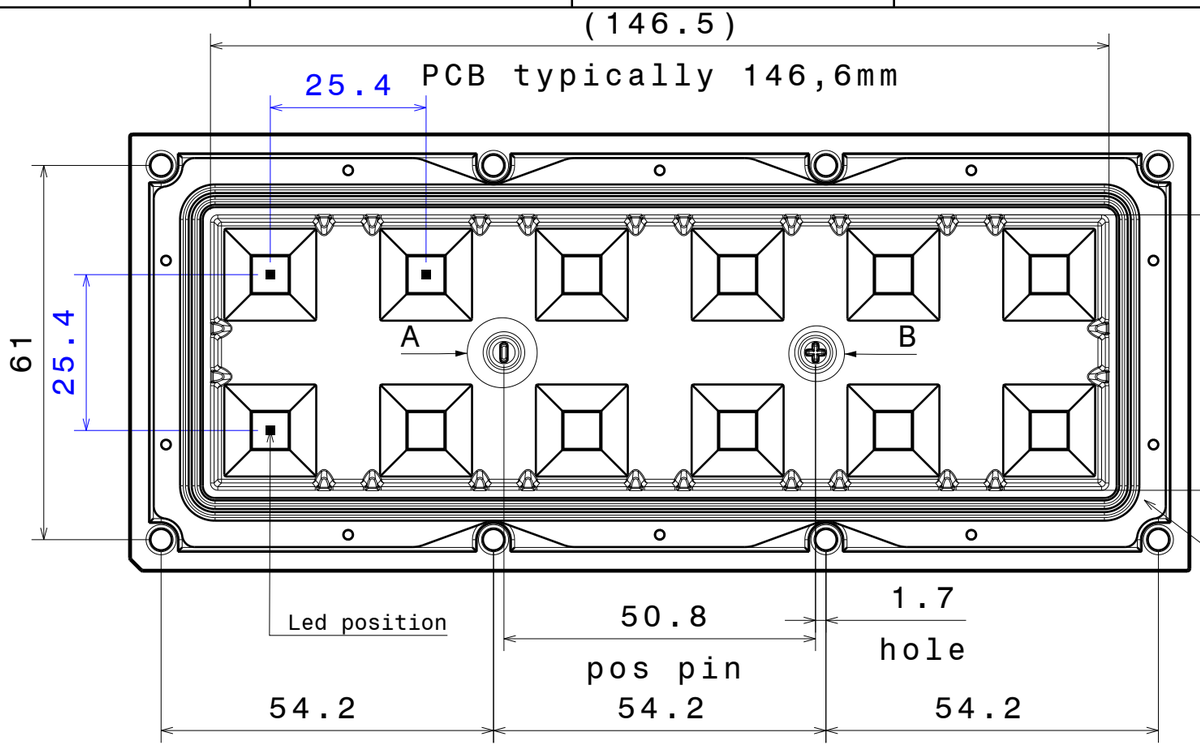
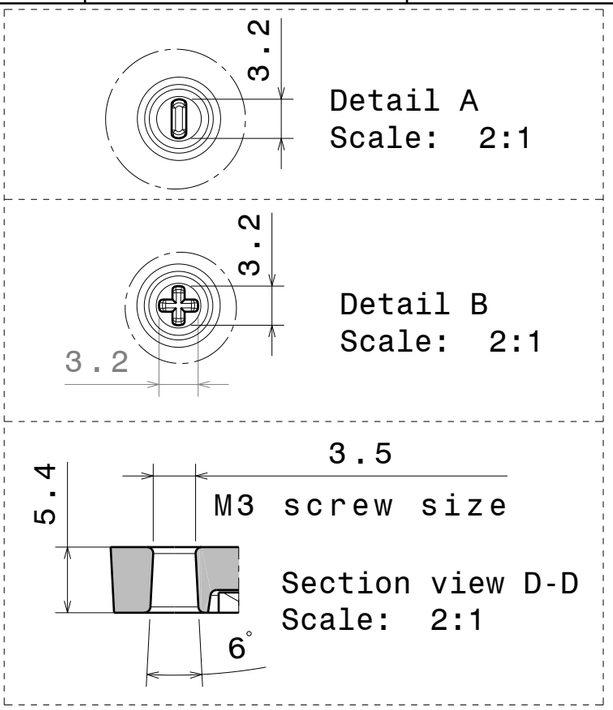
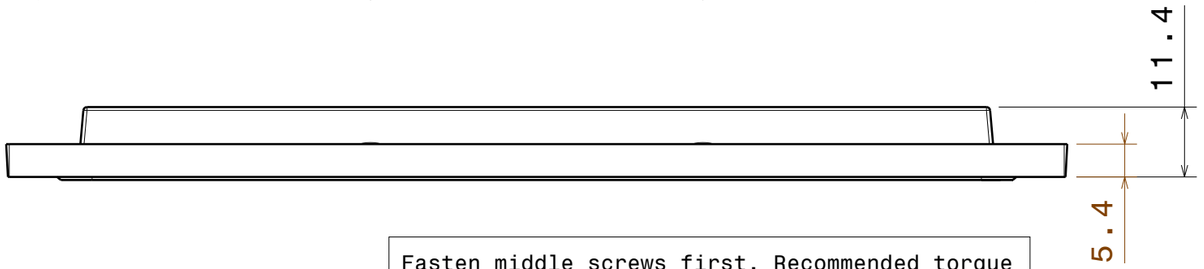
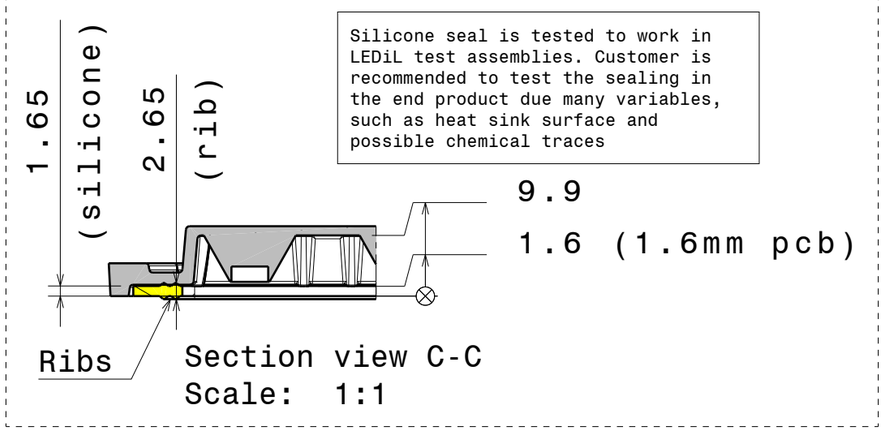
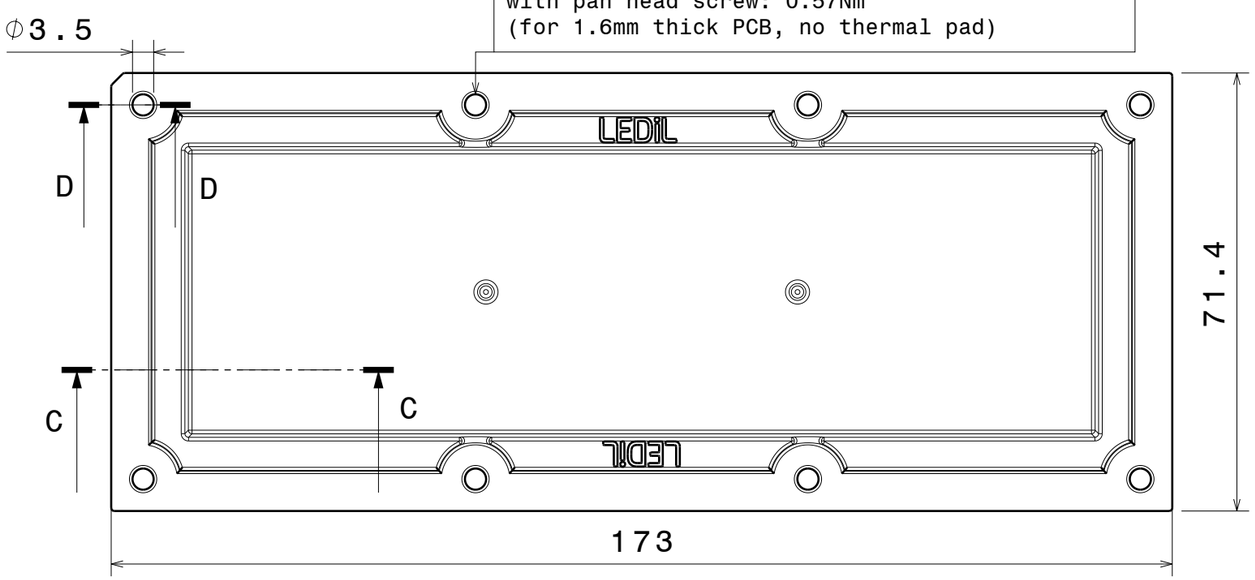


Wiring:
PCB is fully sealed between the lens with silicone seal and the heatsink. Wiring needs to be done trough the PCB and heat sink to maintain high IP rating.









INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	CS14130	HB-IP-2x6-W	PMMA 8N, Silicone seal	

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:

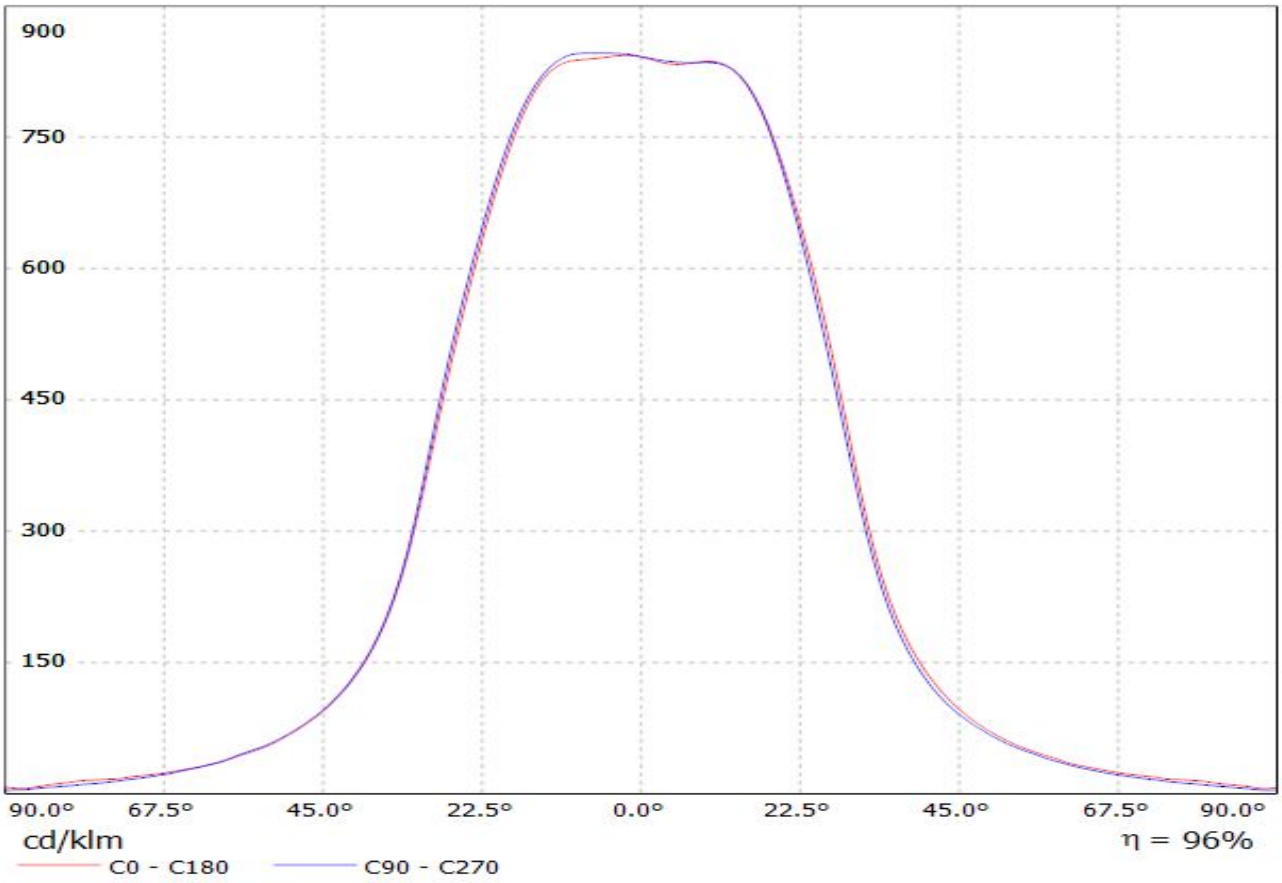
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CS14130_HB-IP-2x6-W

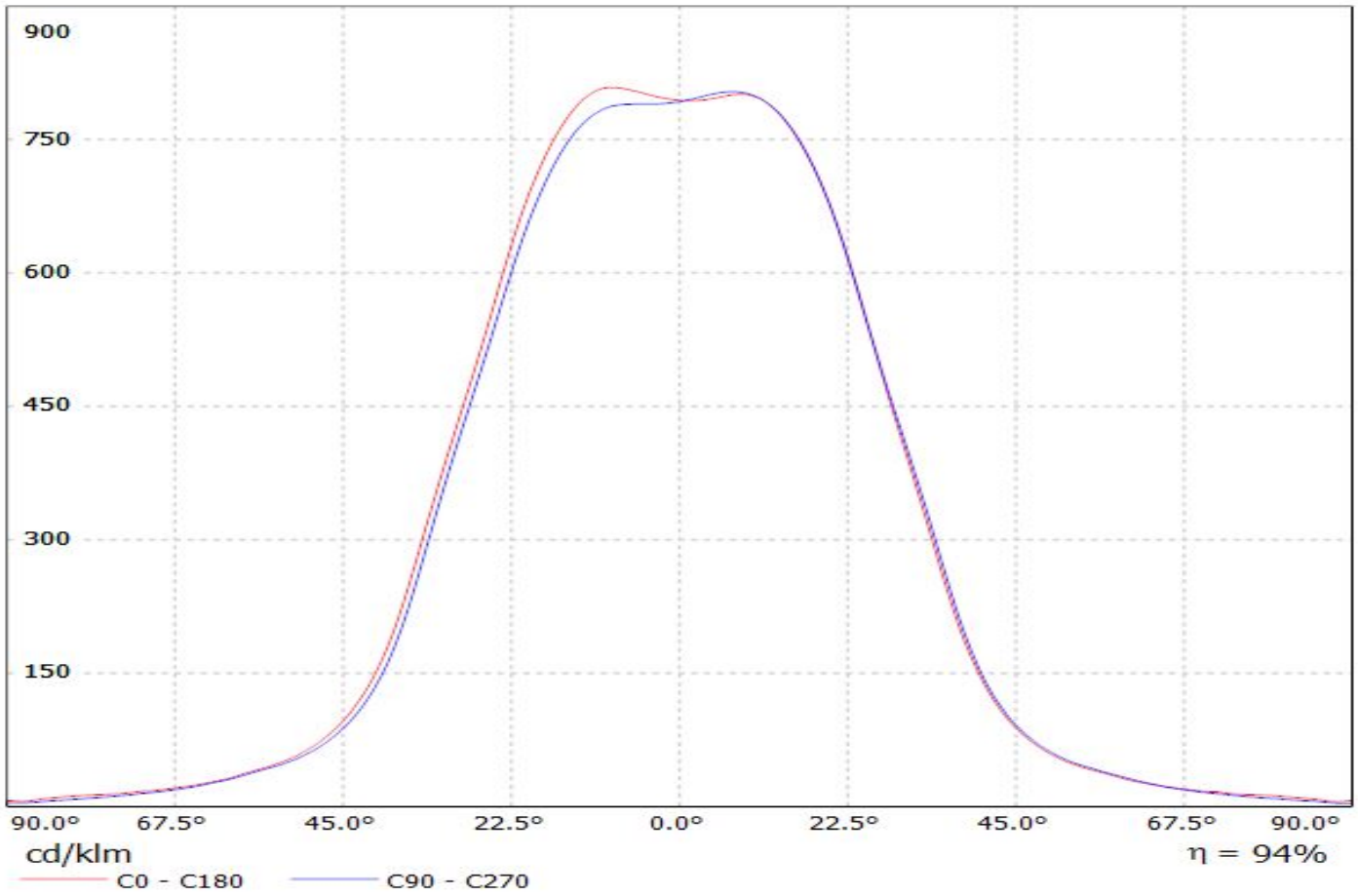
SIZE A3 | PART NUMBER CS14130

SCALE 1:1 | WEIGHT | | SHEET 1/1

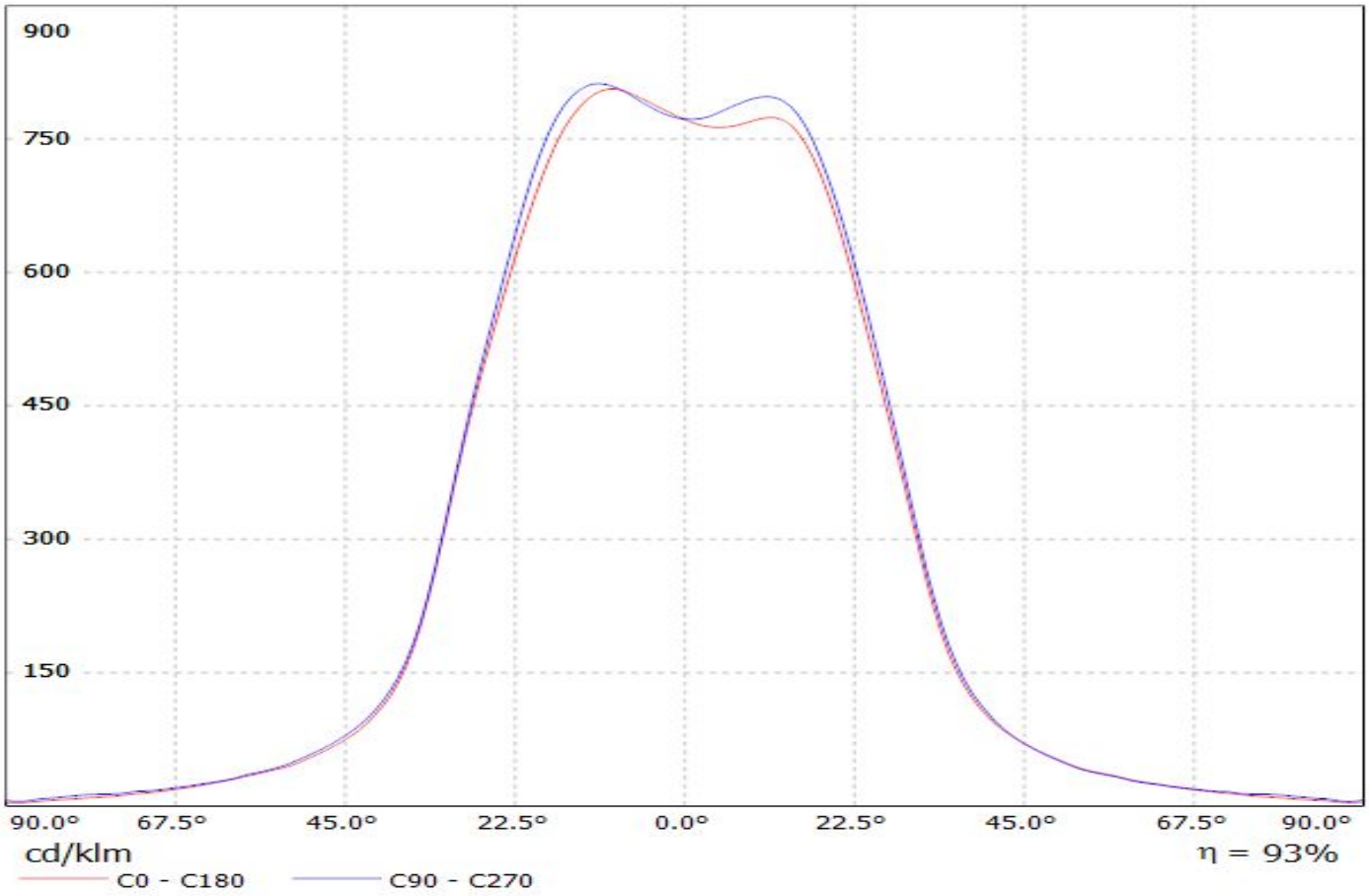
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XT-E)
Lamps: 1 x CREE_XT-E_6x2_(XTEAWT-00-0000-000000HE4)_1253.92lm@250mA_P=8.86265W_I=249.8mA



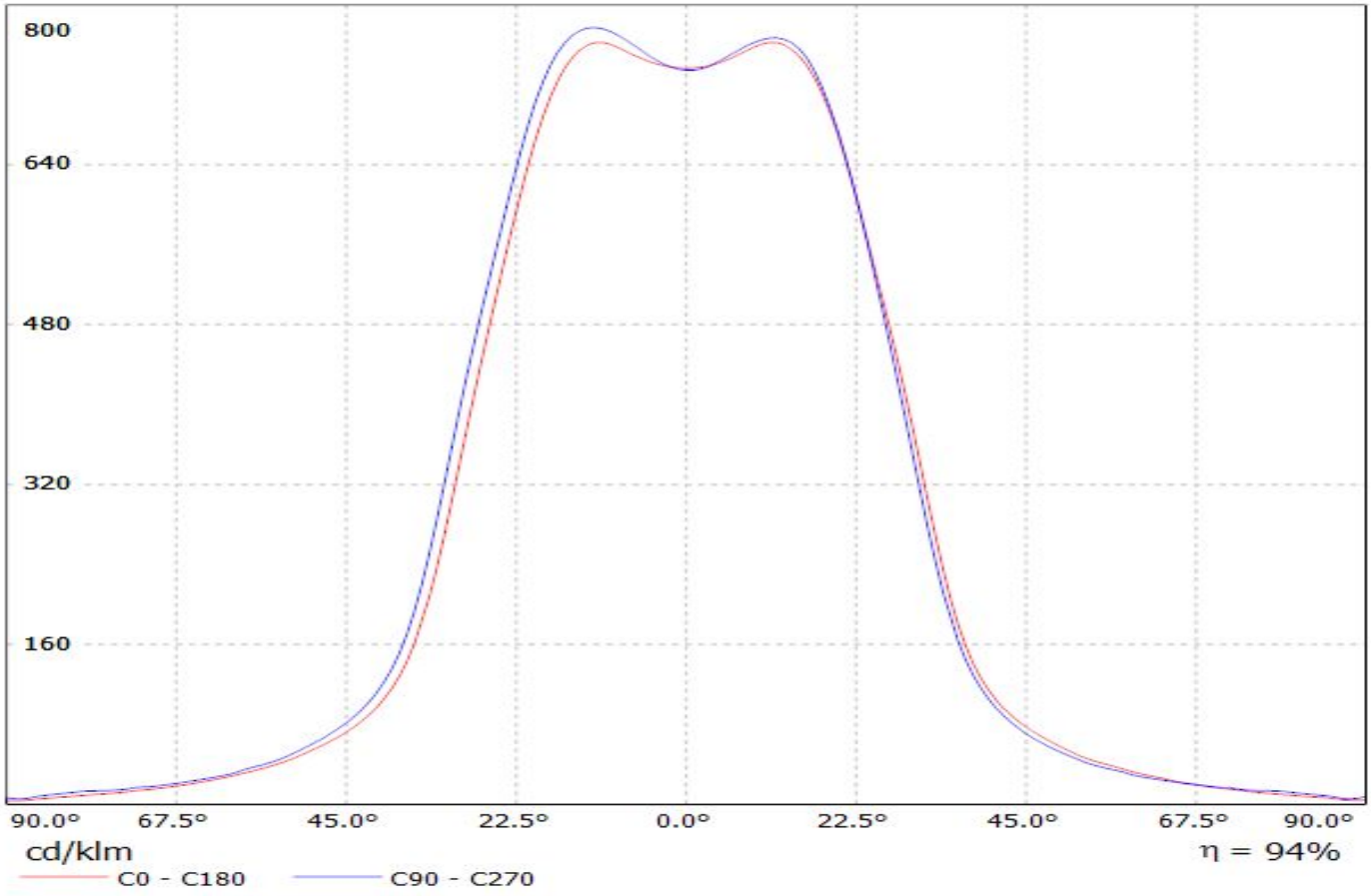
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XM-L2) Eff.94.0%
Lamps: 1 x CREE_XM-L2_2x6_1197.78lm@250mA_P=8.38555W_I=254.1mA



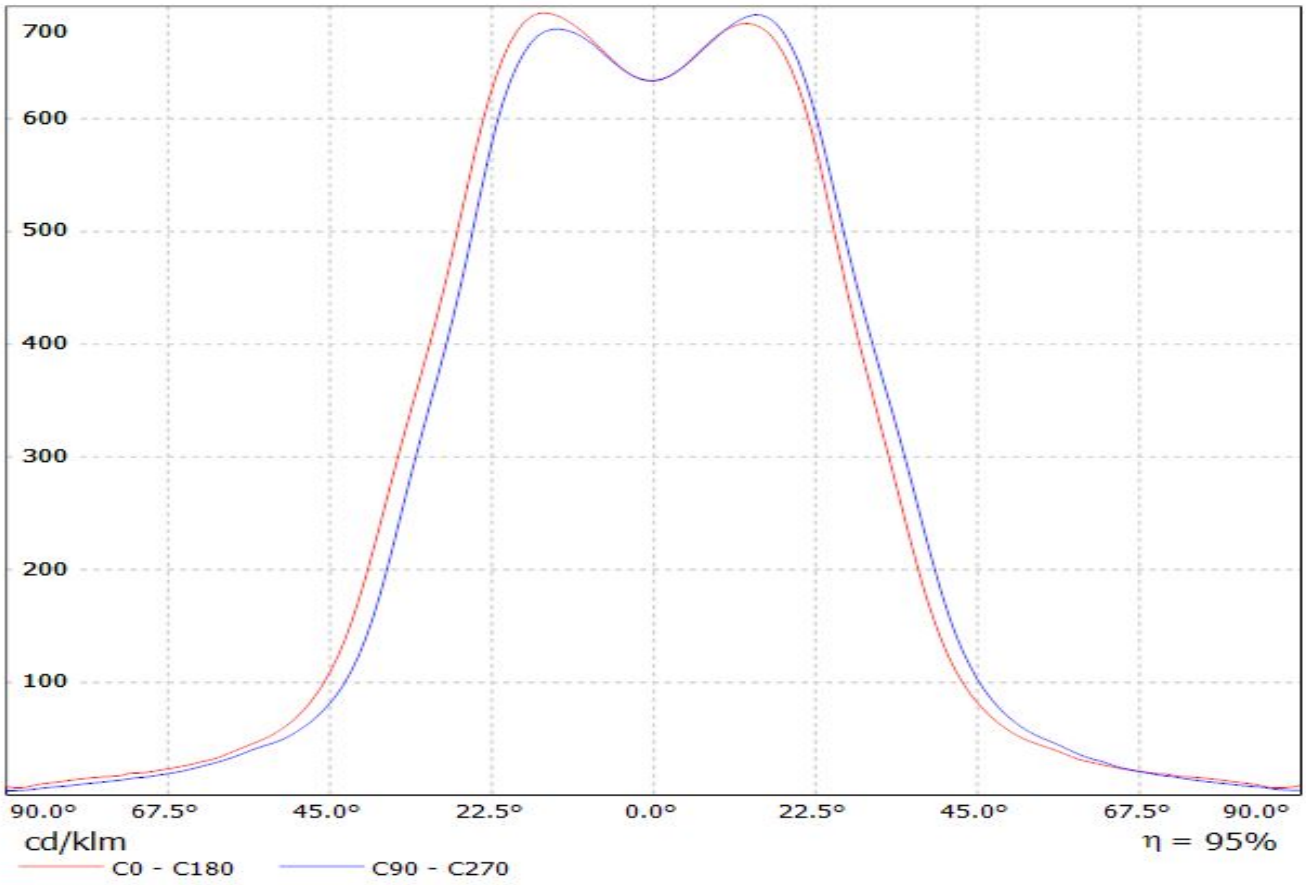
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-G2) Eff.93.2%
Lamps: 1 x CREE_XP-G2_1303lm@250mA_P=8.58363W_I=249.8mA



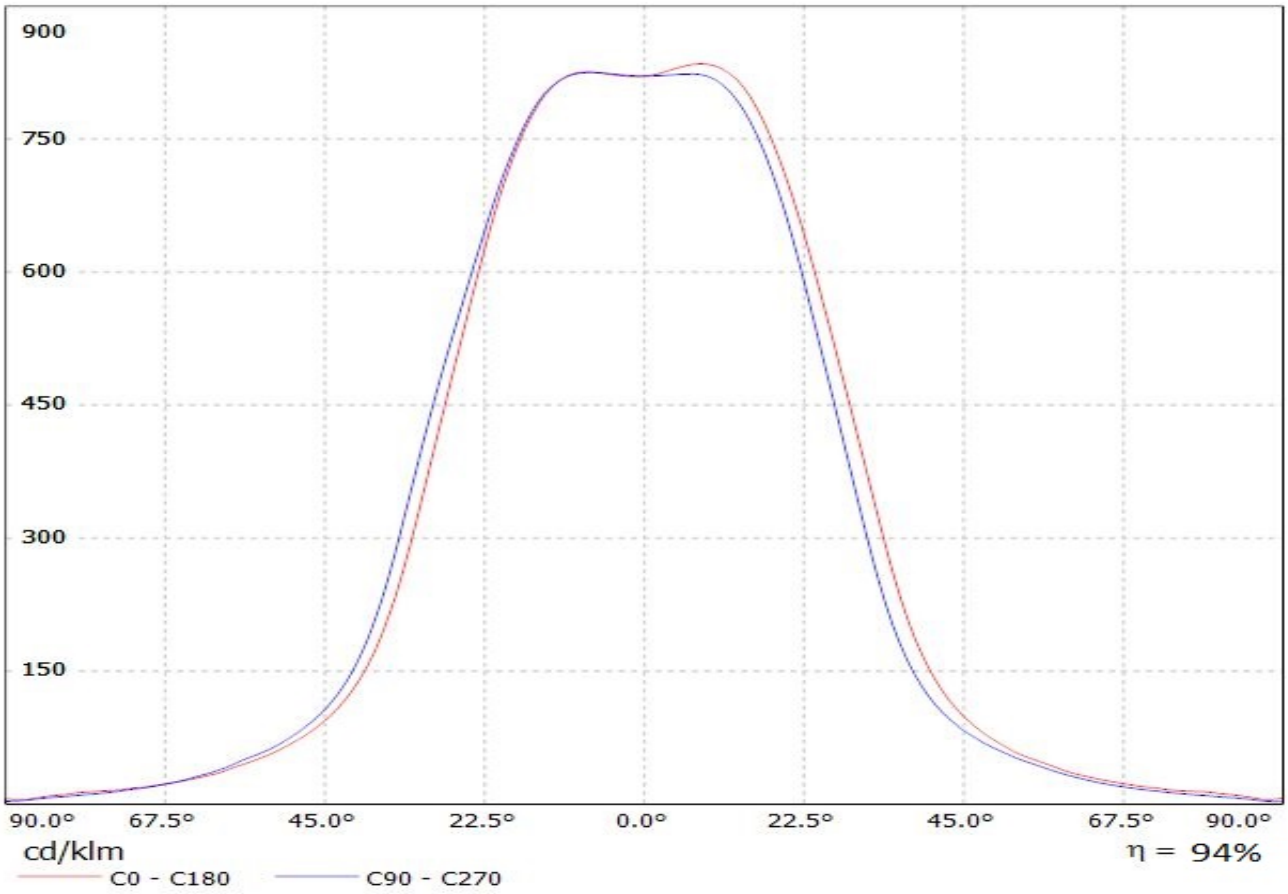
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-G) Eff.94.0%
Lamps: 1 x CREE_XP-G_6x2_799.2lm@250mA_P=8.52542W_I=249.8mA



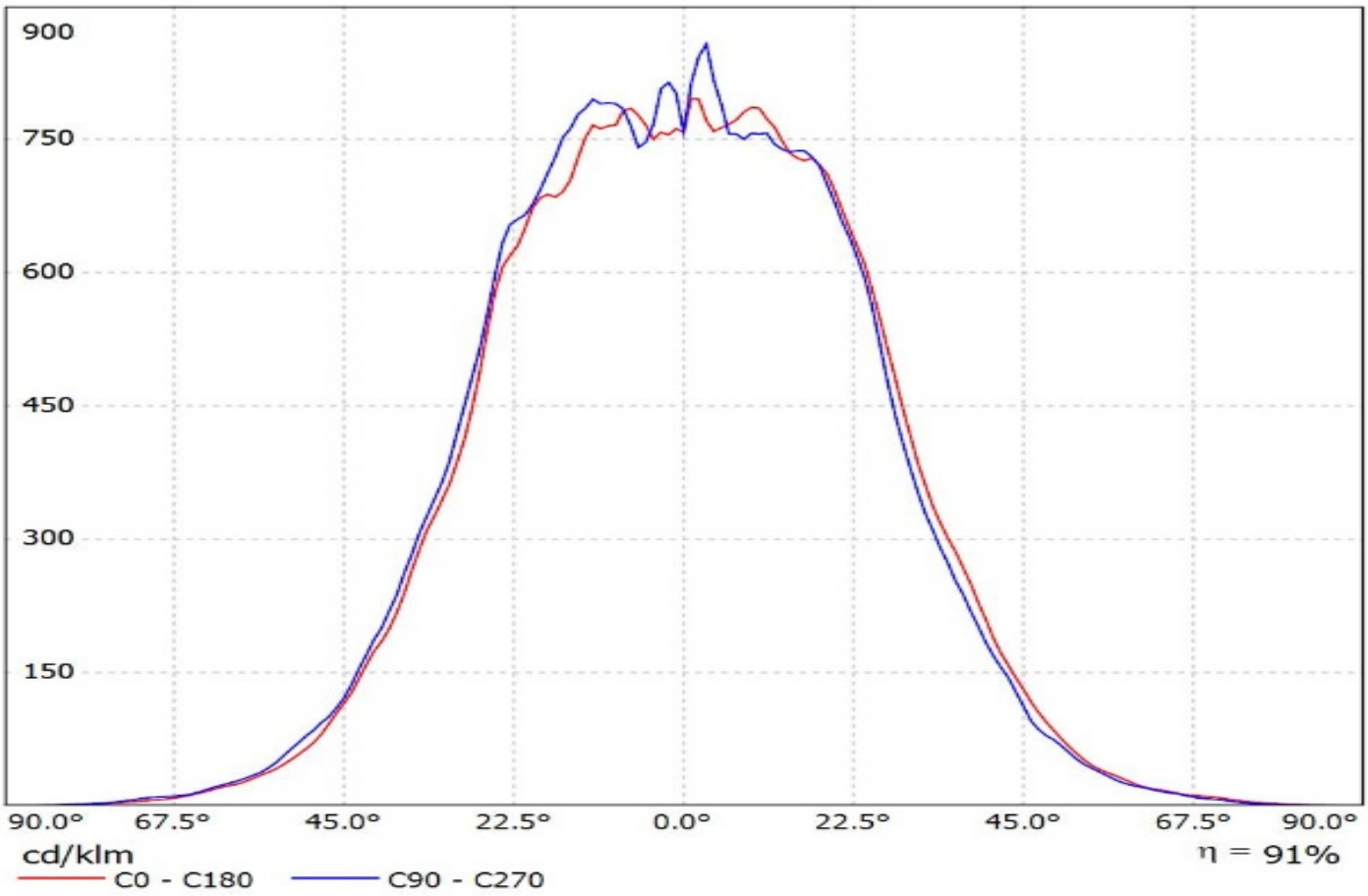
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-L)
Lamps: 1 x CREE_XP-L_2x6_(XPLAWT-0-7A3-U50-0H-0001)_1253.88lm@250mA_P=8.22317W_I=249.8mA



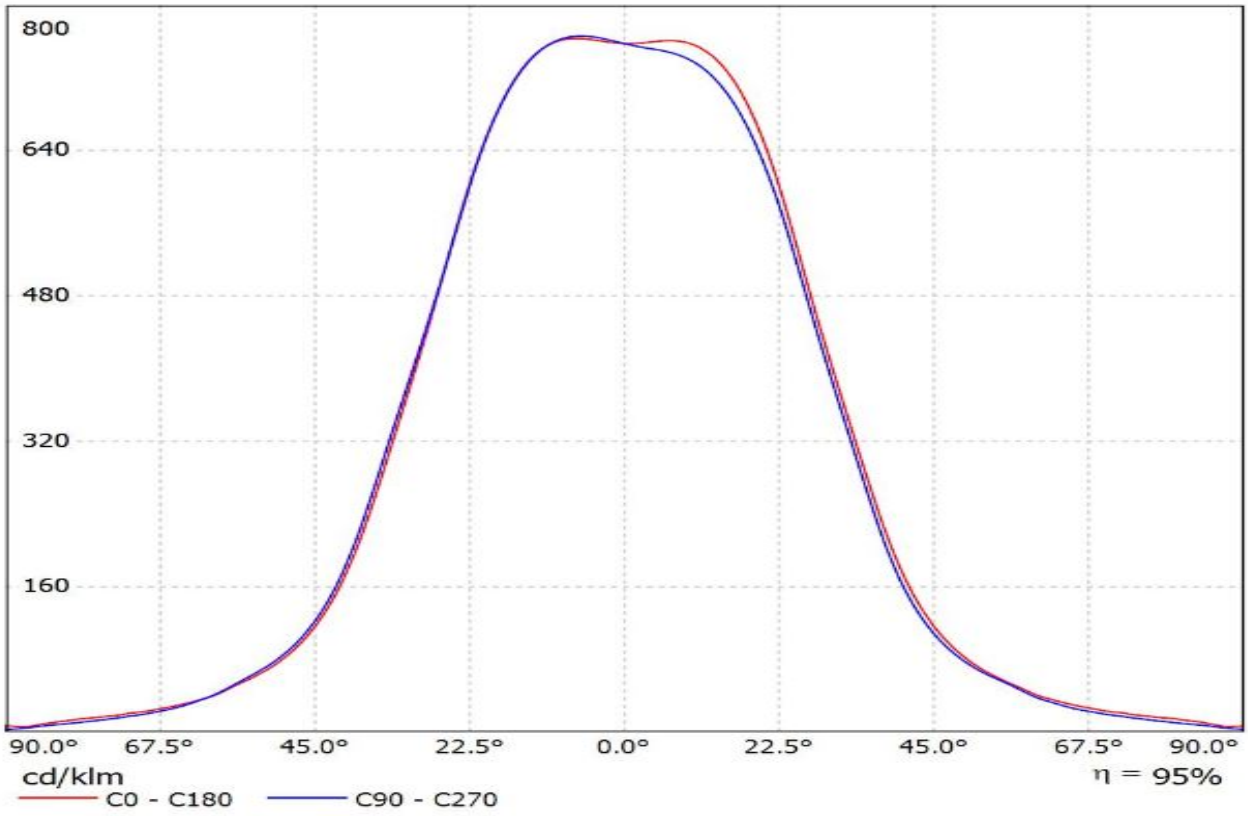
Luminaire: Ledil CS14130_HB-IP-2X6-W_(XP-G3)
Lamps: 1 x Cree_XP-G3_6x2_(XPGDWT-B1-6C1-S3-0-01)_1521.26lm@250mA_P=8.253W_I=0.25A



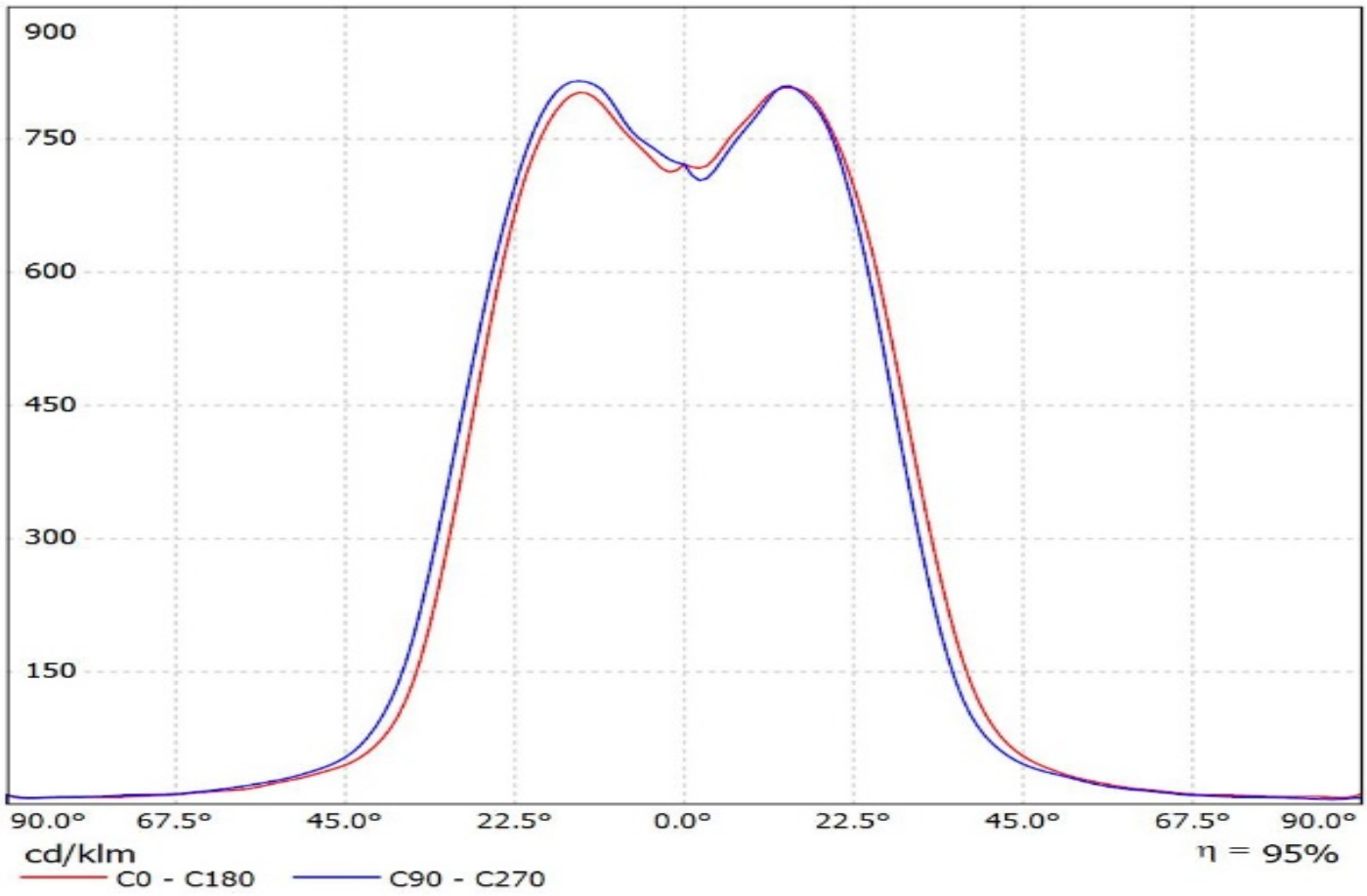
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W-MH-B_SIMULATED
Lamps: 1 x Cree MH-B



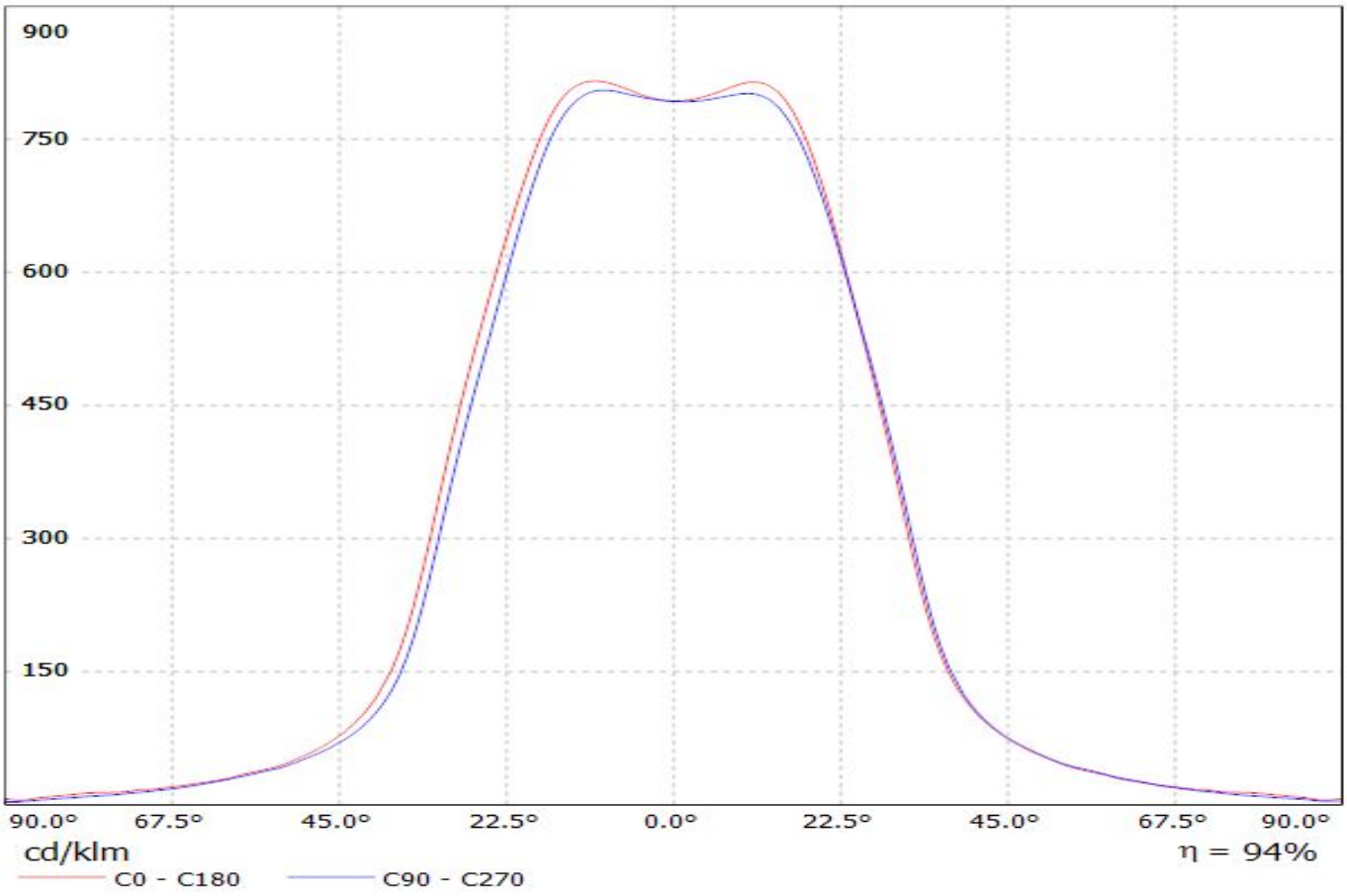
Luminaire: Ledil CS14130_HB-IP-2X6-W_(XP-L2)
Lamps: 1 x Cree_XP-L2_2x6_1659.4lm@250mA_P=8.22525W_I=0.25A



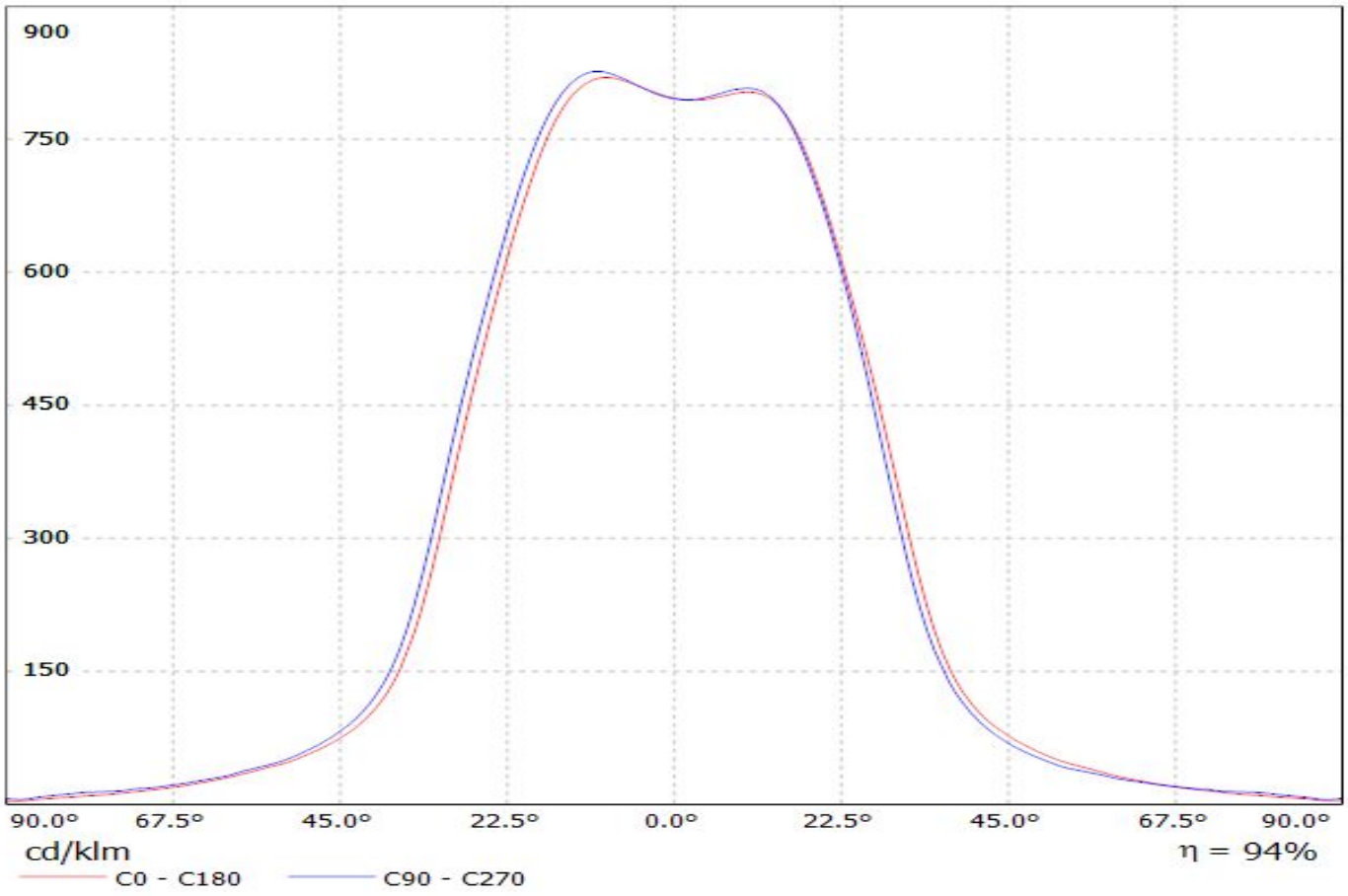
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1



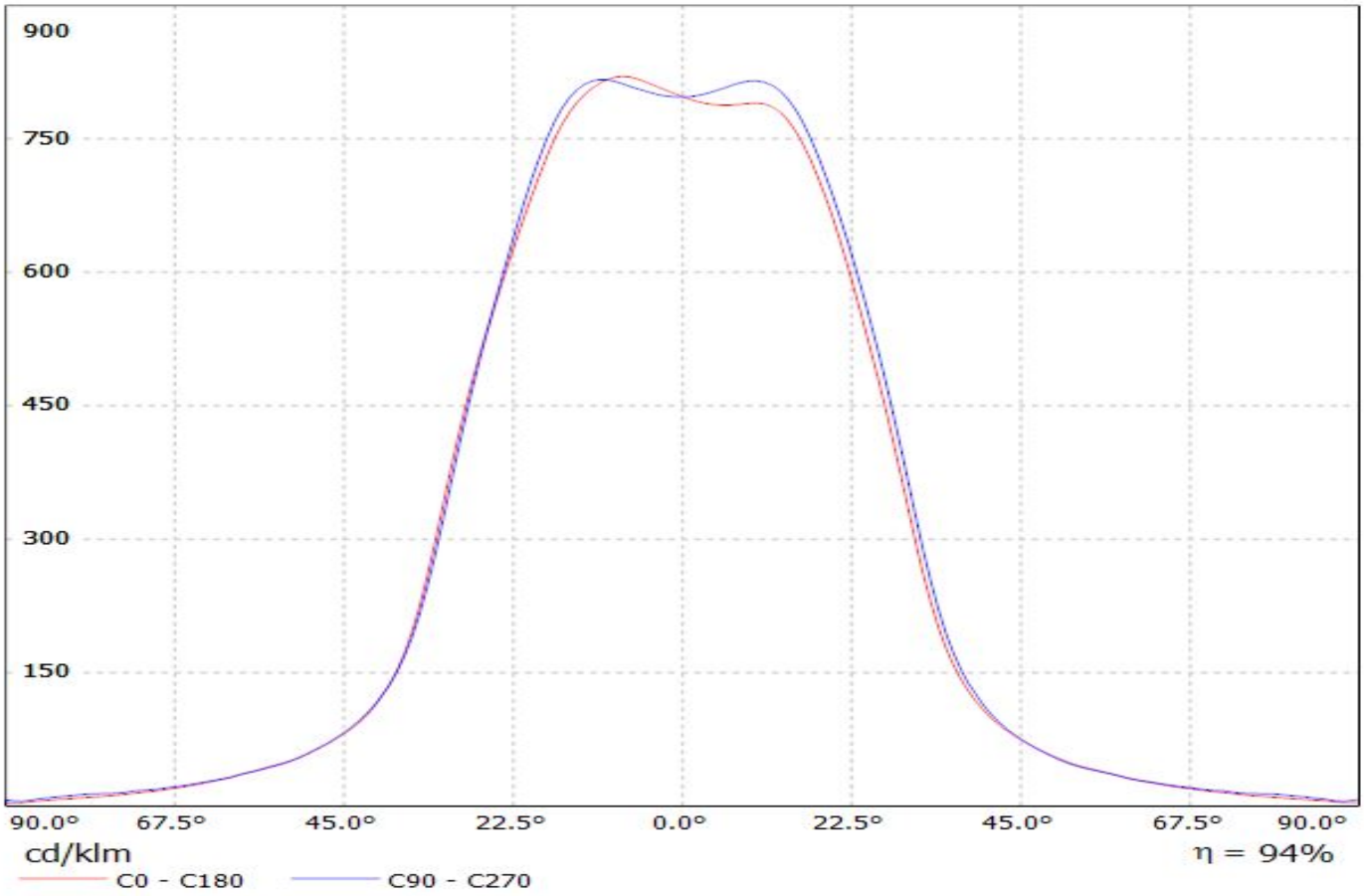
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON_T) Eff.94.0%
Lamps: 1 x LUXEON_T_6x2_(LXH8-FW30)_1062.6lm@250mA_P=8.46572W_I=249.8mA



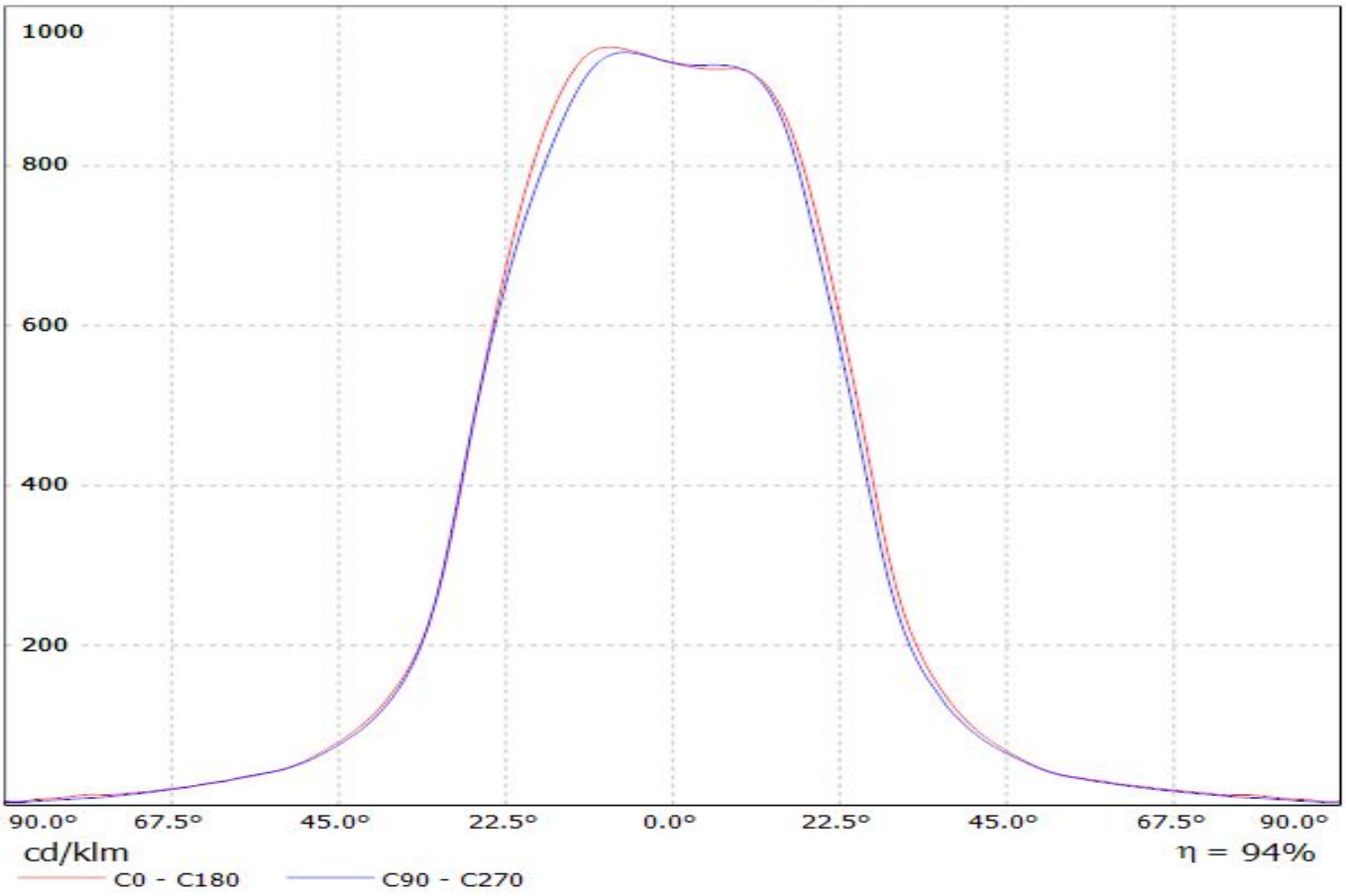
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(REBEL-ES) Eff.94.0%
Lamps: 1 x Luxeon_Rebel-ES_2x6_864.2lm@250mA_P=9.03127W_I=249.8mA



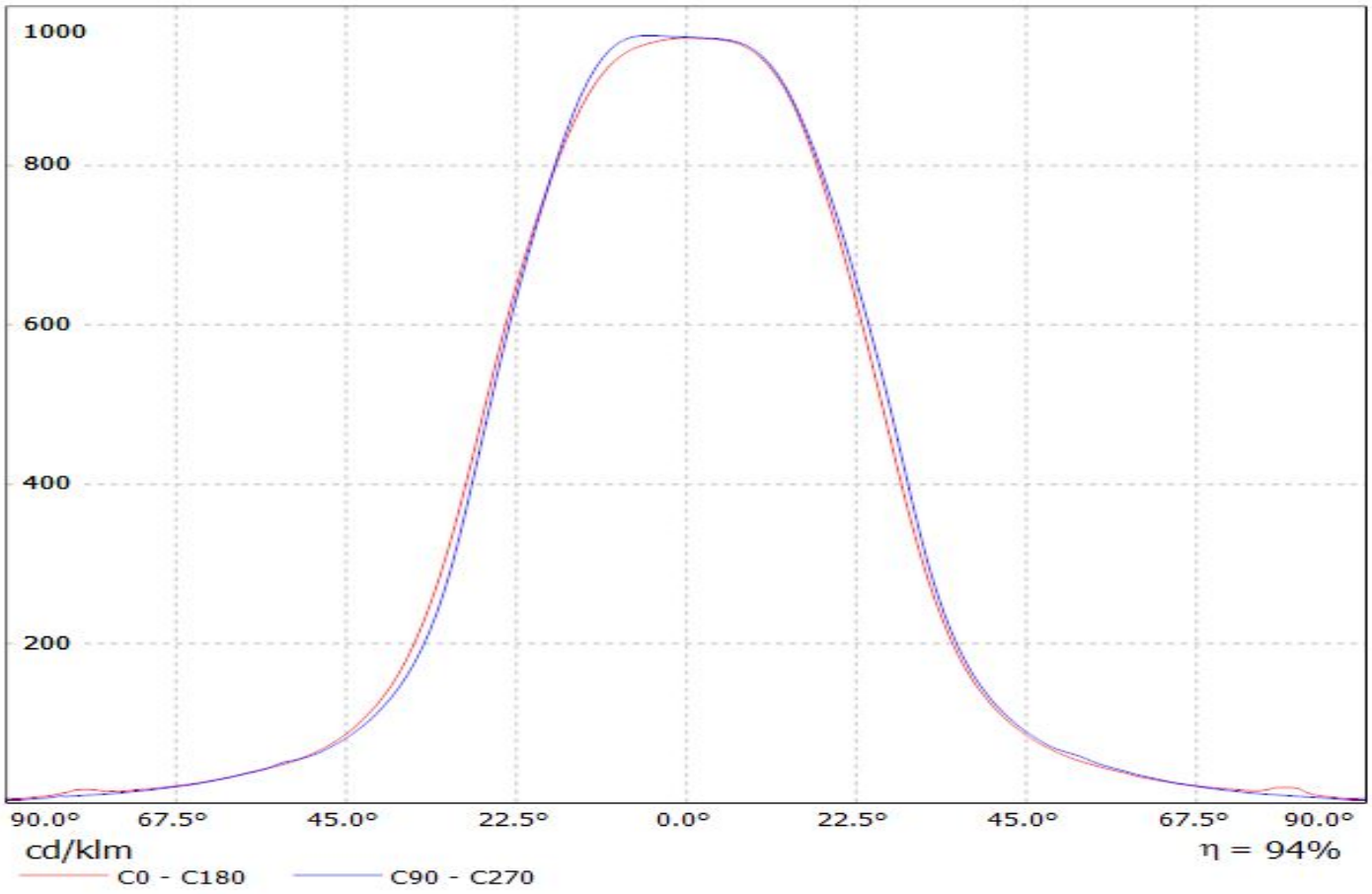
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON-R) Eff.94.0%
Lamps: 1 x Luxeon_R_6x2_1154lm@250mA_P=8.29161W_I=249.8mA



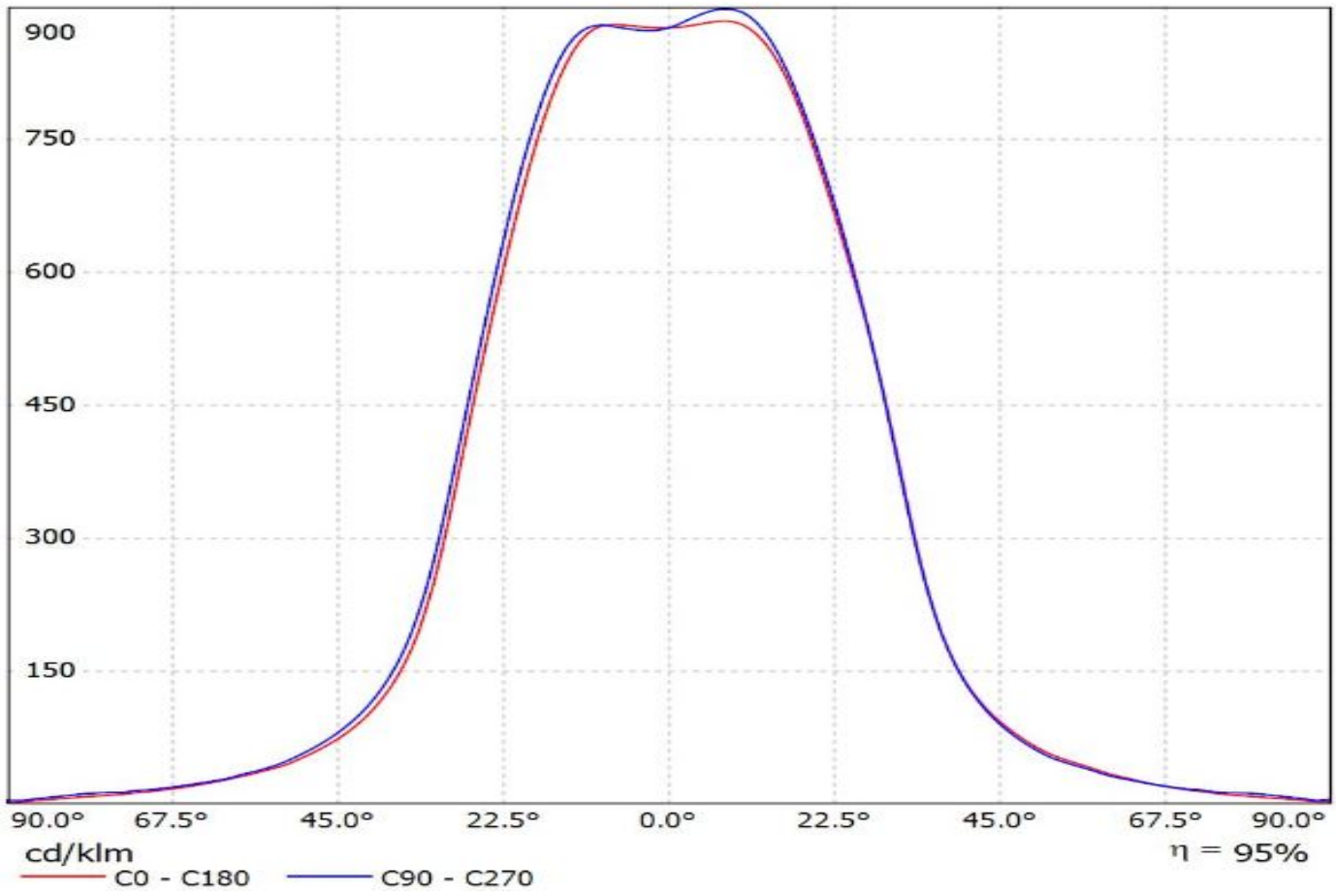
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON_Z_ES) Eff.94.0%
Lamps: 1 x LUXEON_Z_ES_990.2lm@250mA_P=8.31159W_I=249.8mA



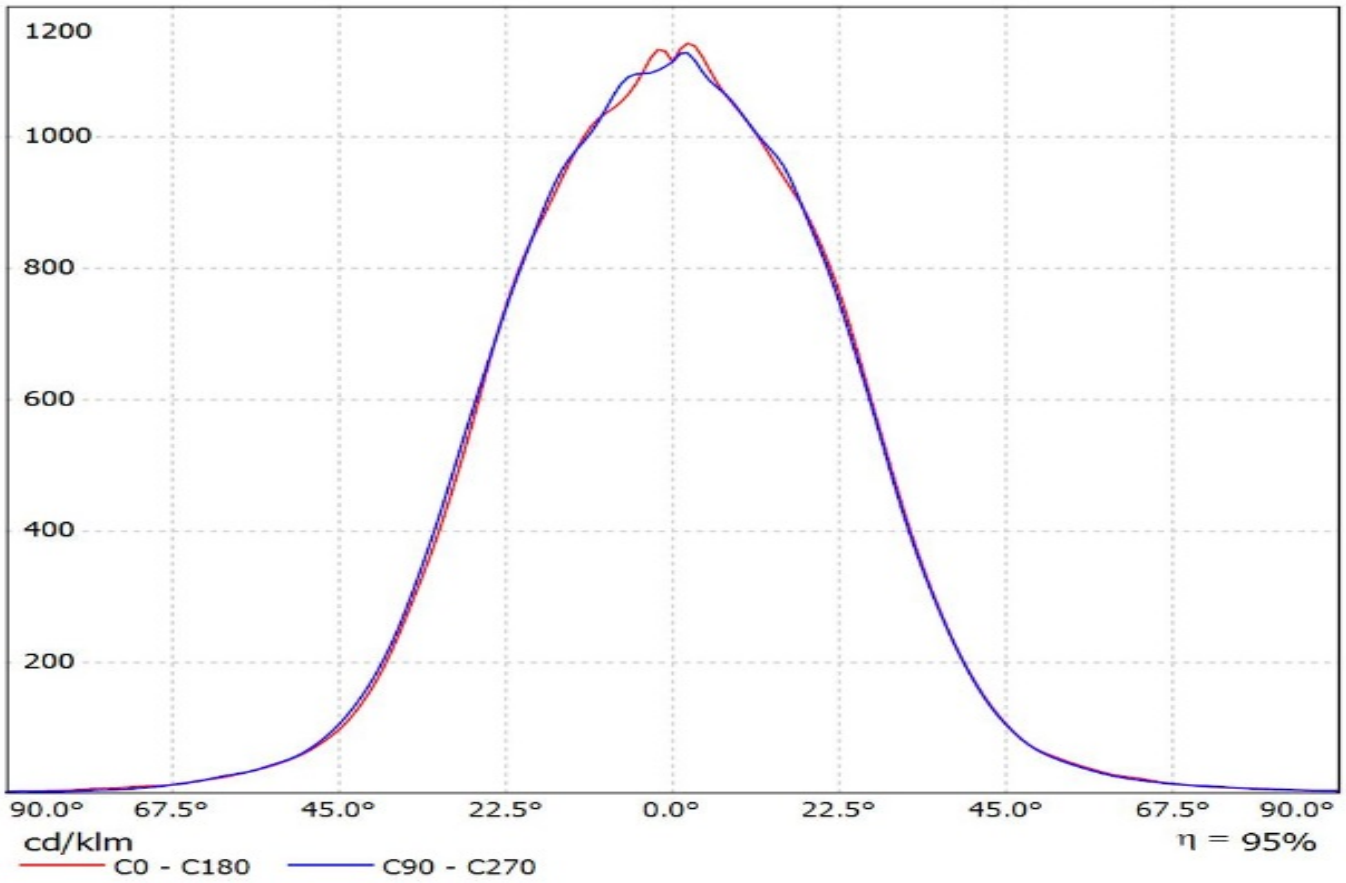
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_2x6_1301.4lm@250mA_P=8.26138W_I=249.8mA



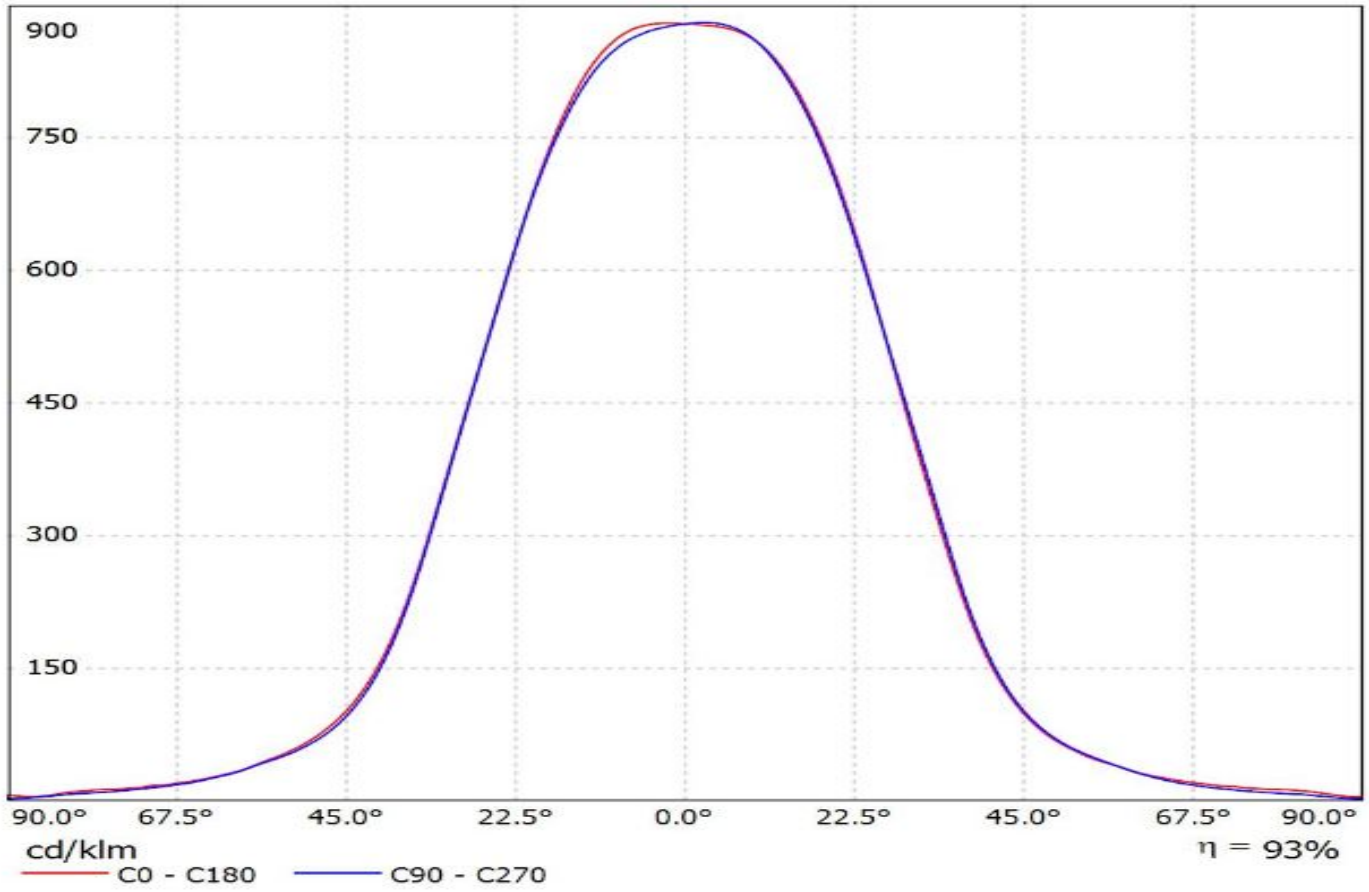
Luminaire: Ledil CS14130_HB-IP-2X6-W_(XR-TX)
Lamps: 1 x Luxeon_XR-TX_1376.41lm@250mA_P=8.3920W_I=0.250A



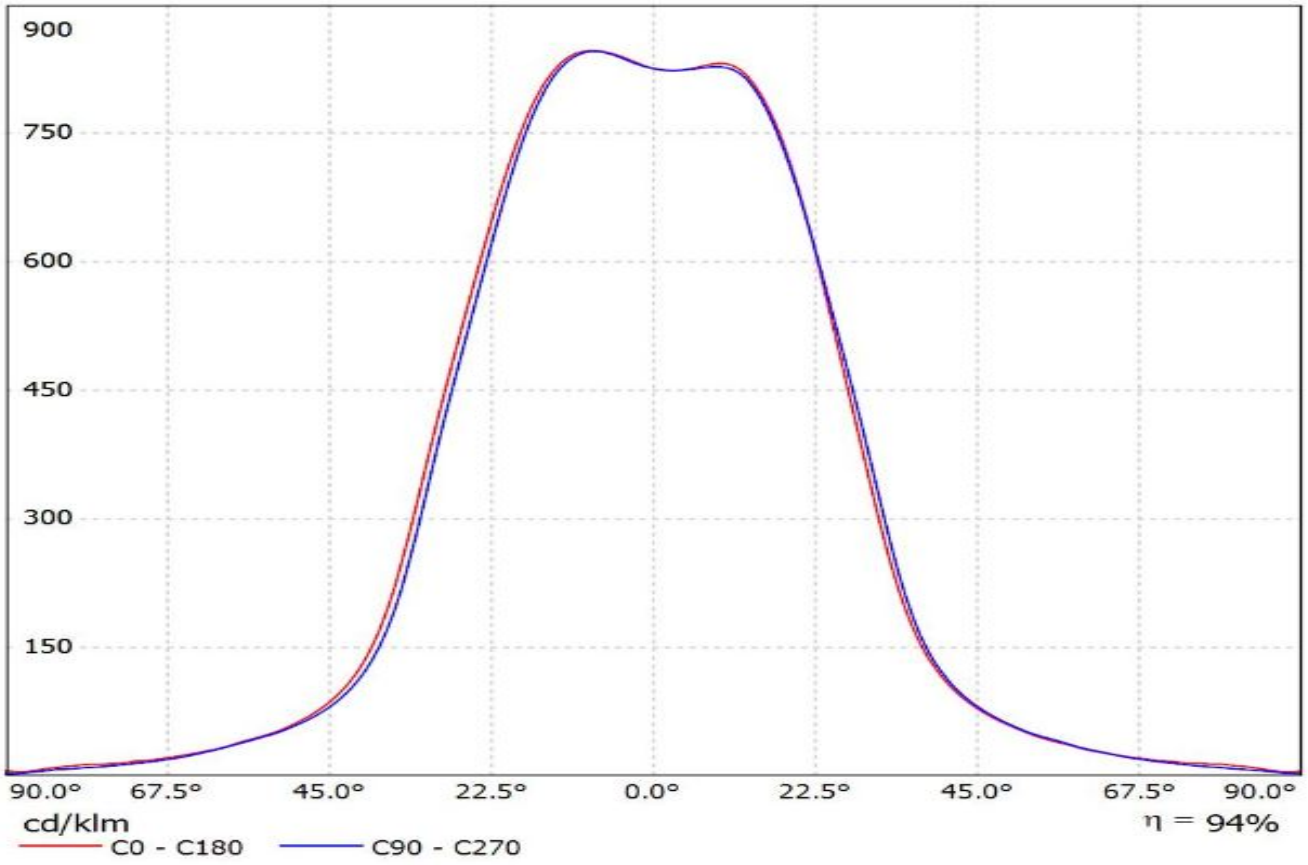
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_LUXEON-5050_SIMULATED
Lamps: 1 x Lumileds Luxeon 5050



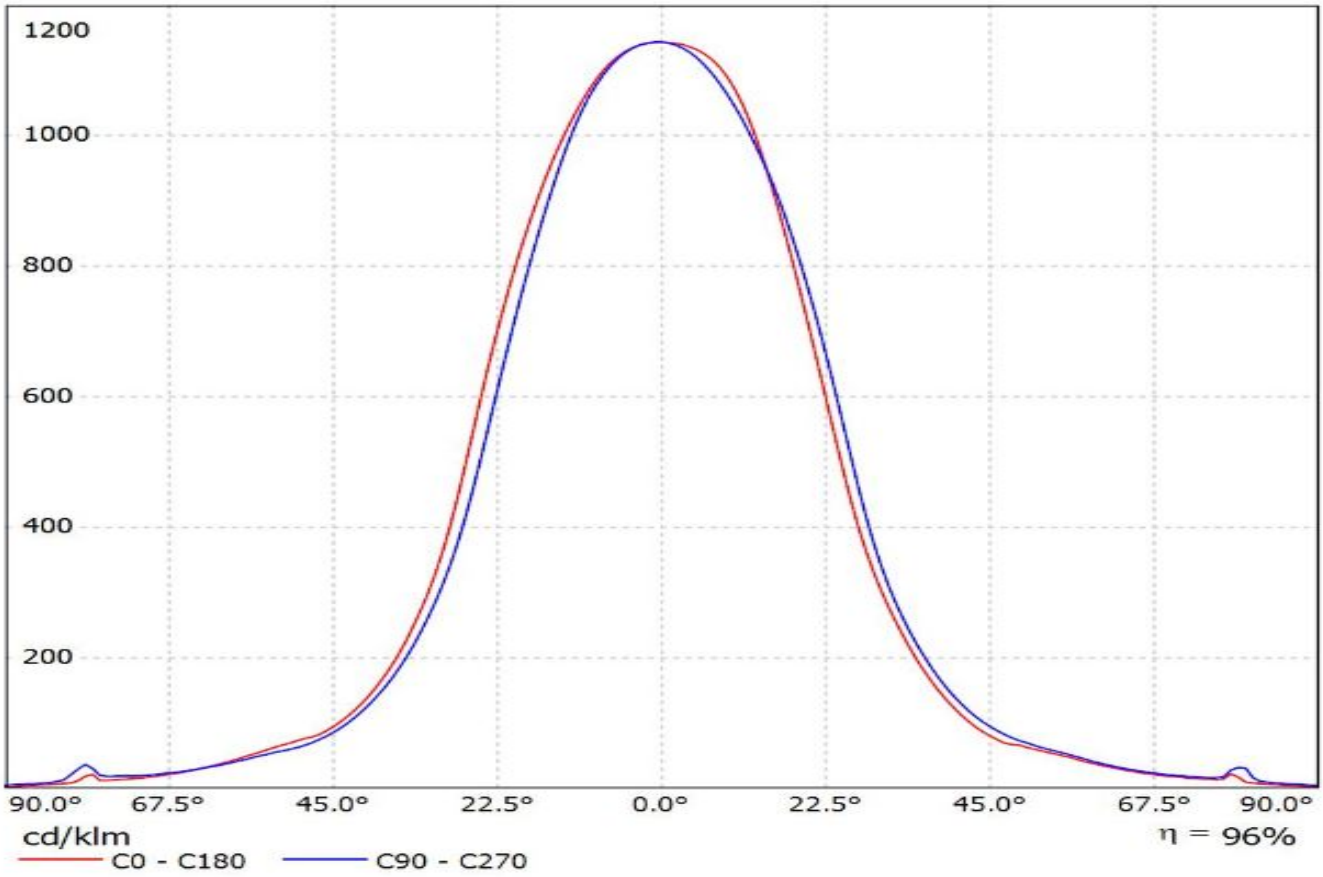
Luminaire: Ledil CS14130_HB-IP-2X6-W_(Luxeon_V)
Lamps: 1 x Lumileds_Luxeon_V_1451.92lm@250mA_P=8.21196W_U=32.860V



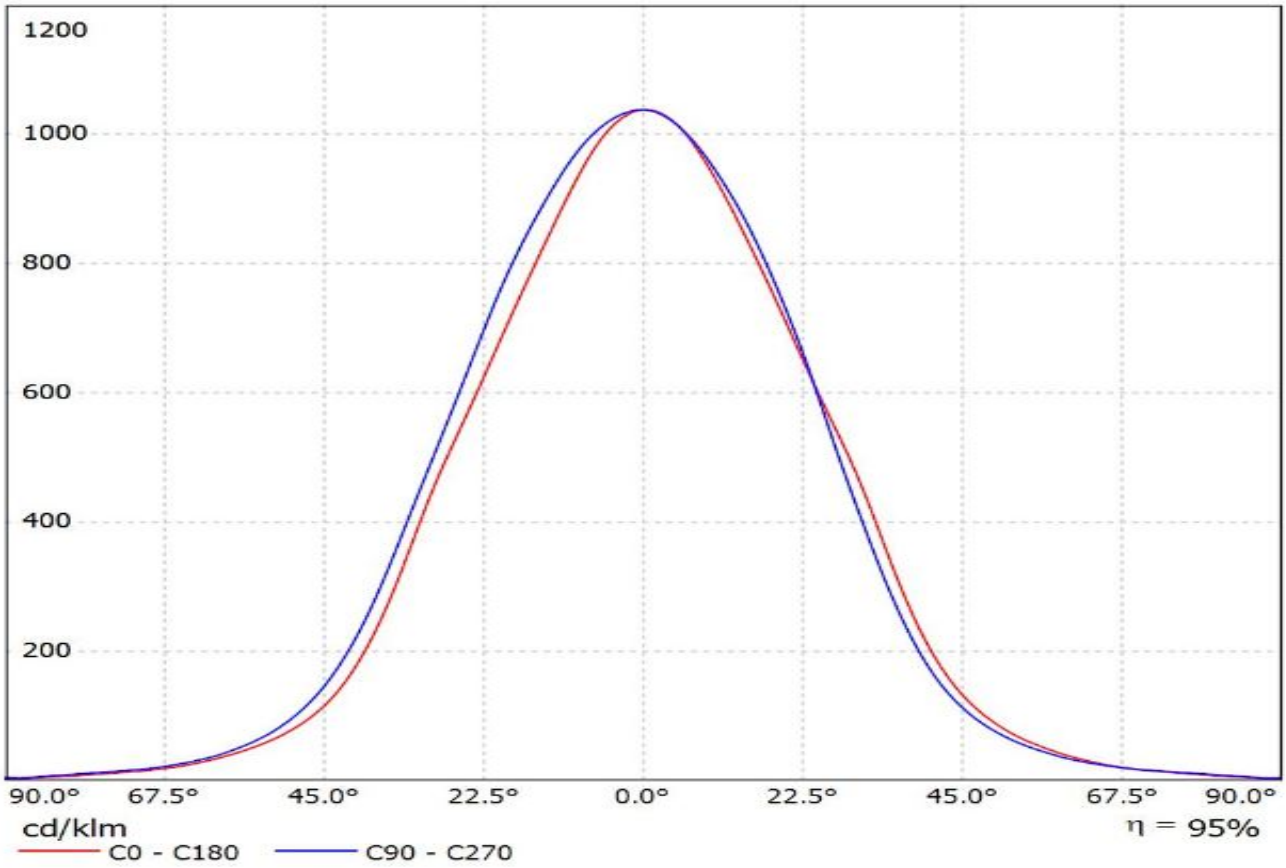
Luminaire: Ledil CS14130_HB-IP-2X6-W_(NVSL219CT)
Lamps: 1 x Nichia_NVSL219CT_2x6_1262.53lm@250mA_P=8.35825W_I=0.25A



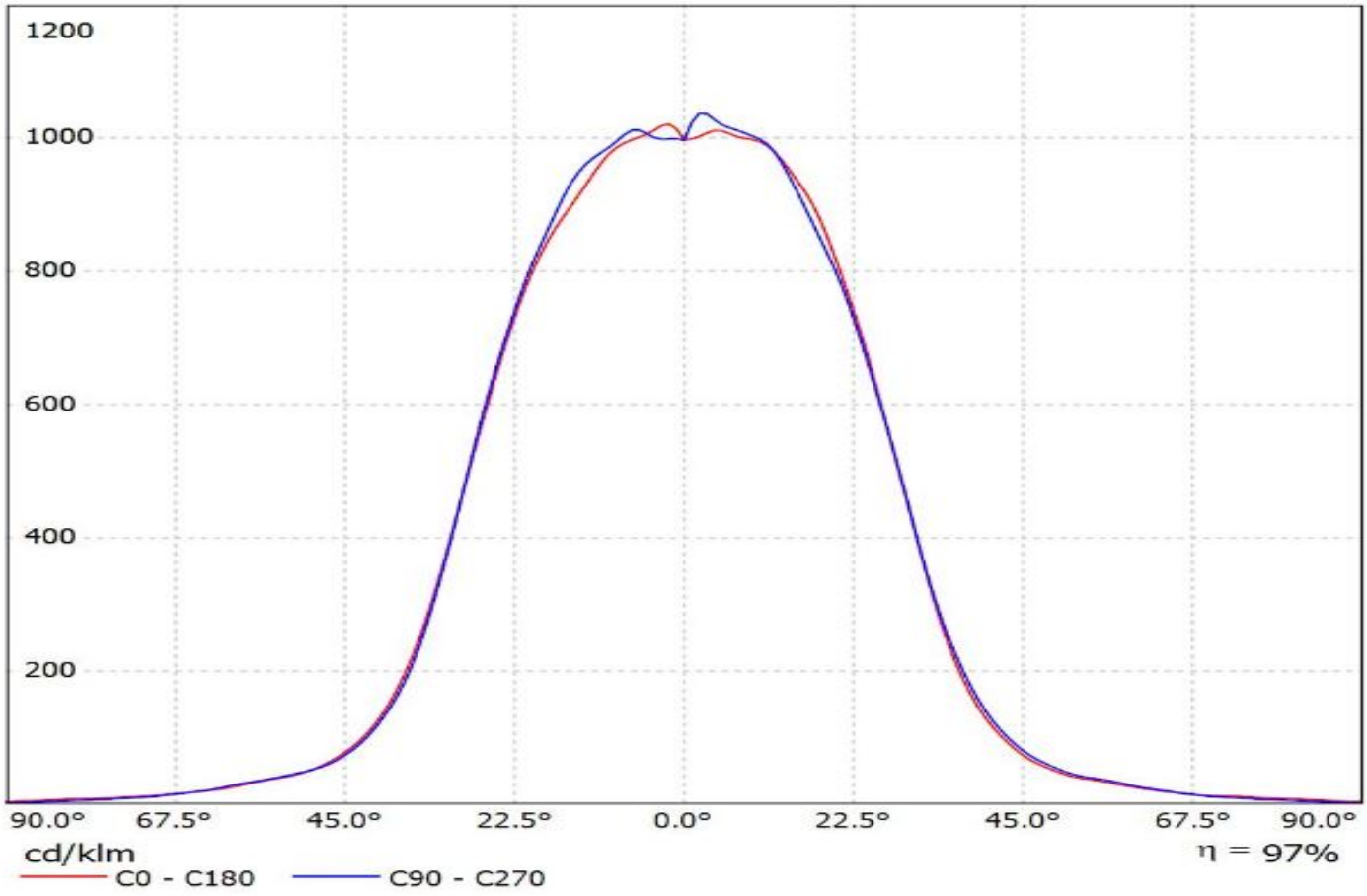
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Nichia_E21)
Lamps: 1 x Nichia_NVSWE21A_583.232lm@600mA_P=3.51742W_I=0.600A



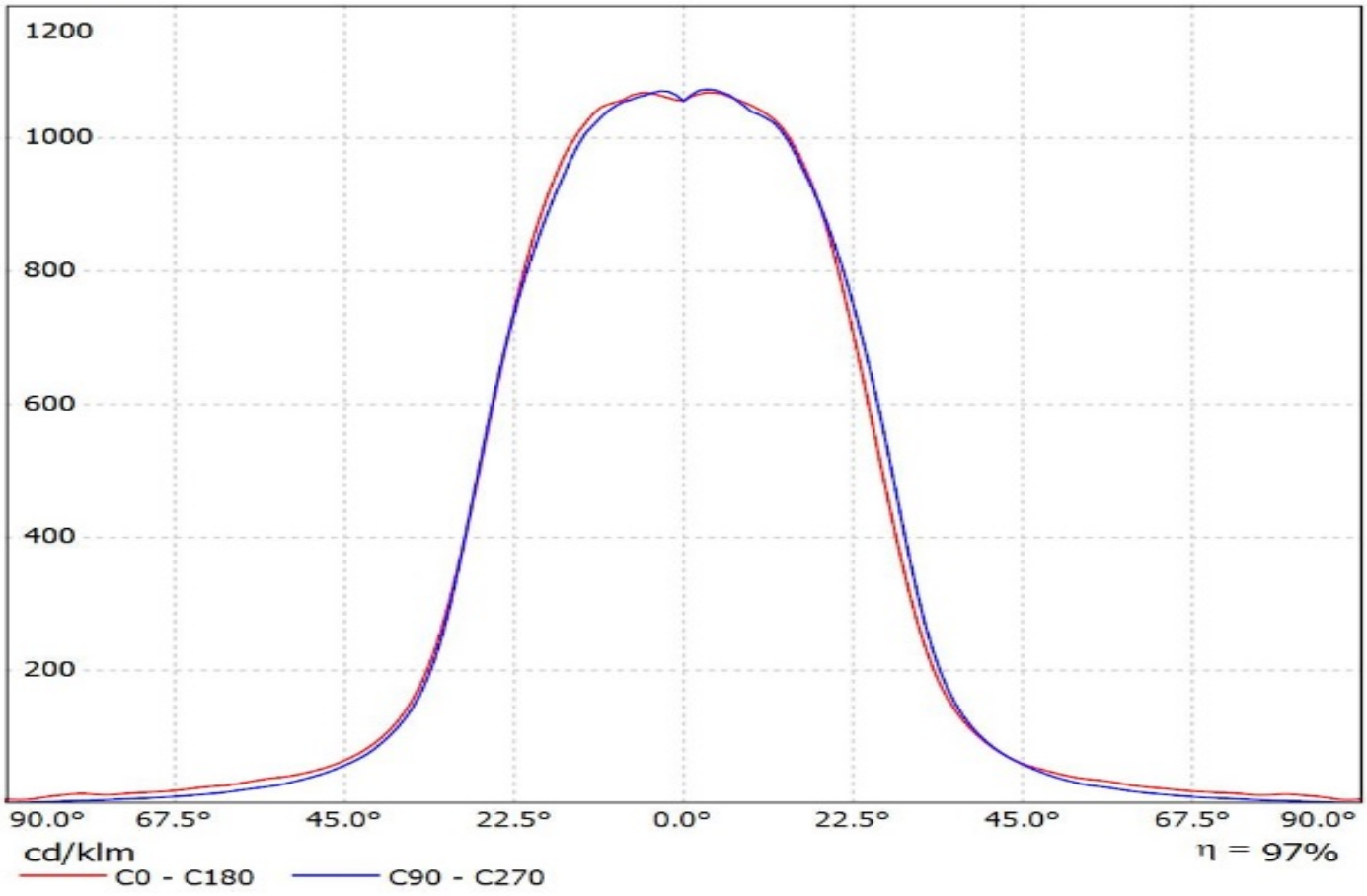
Luminaire: Ledil CS14130_HB-IP-2x6-W_(Duris_S8_2x6)
Lamps: 1 x Duris_S8_2x6_1600.71lm@150mA_P=10.21W_I=0.15A



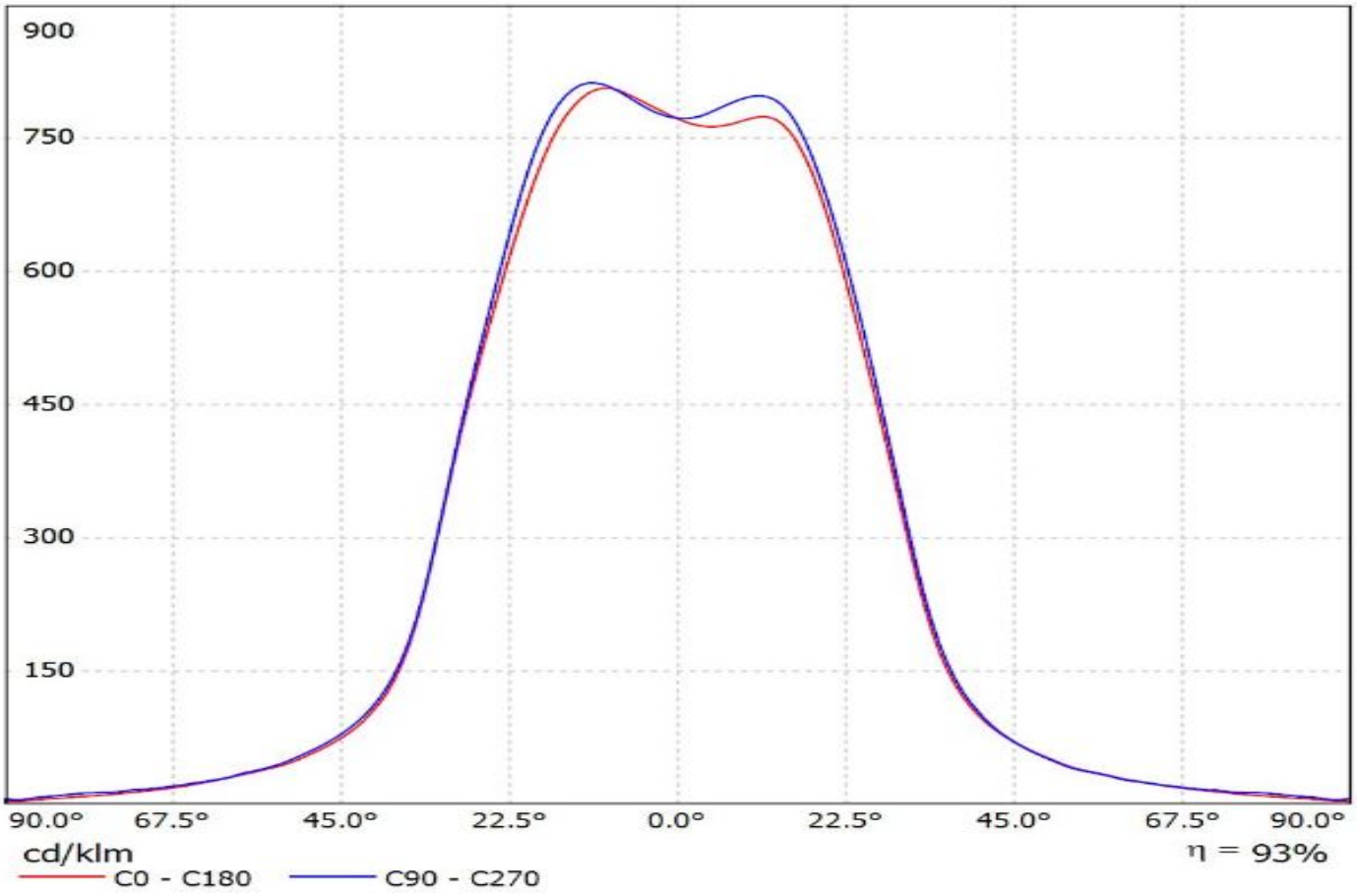
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9



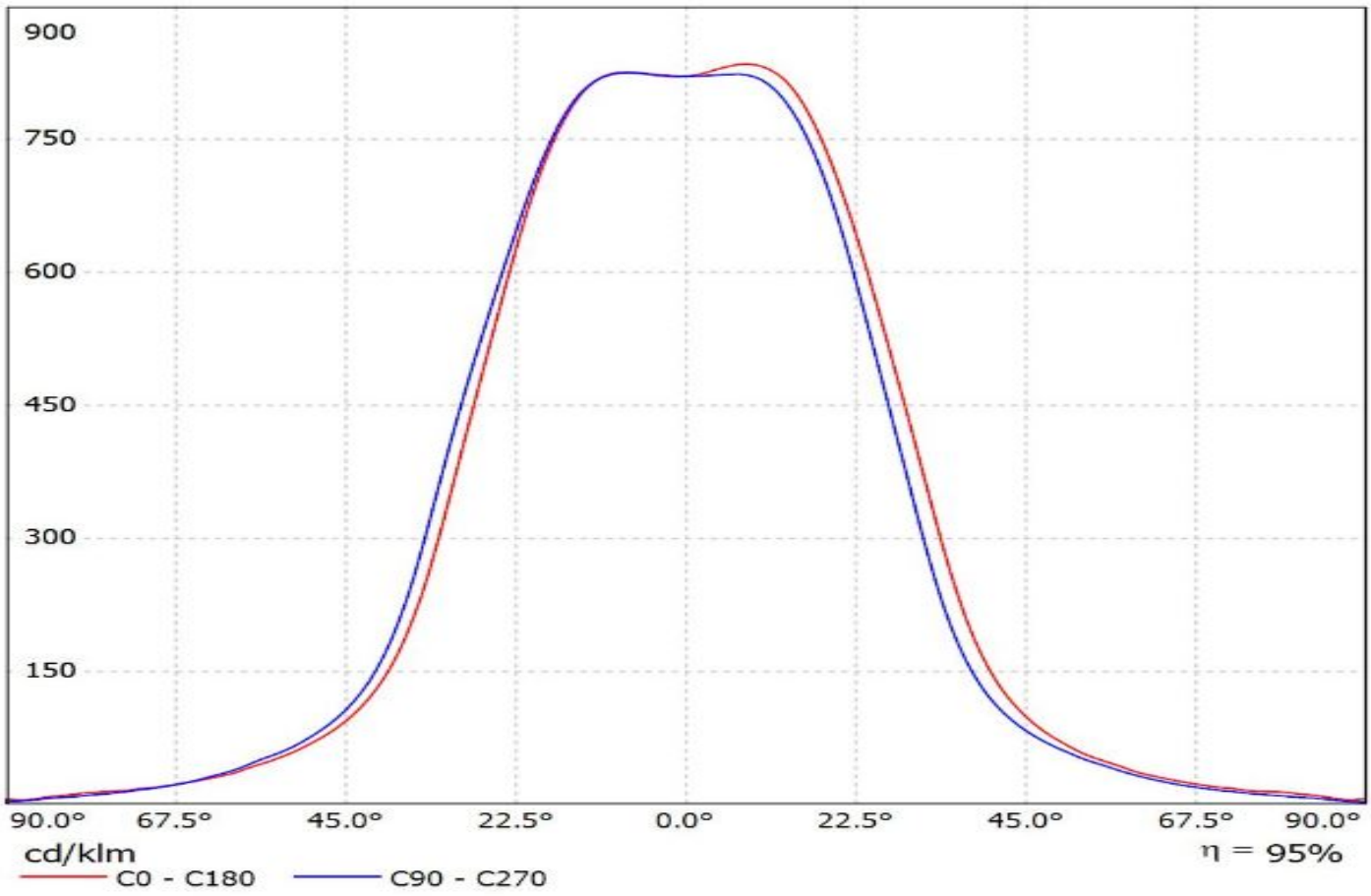
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(Duris_P8)_SIMULATED
Lamps: 1 x Osram Duris P8 - GW PUSRA1.PM



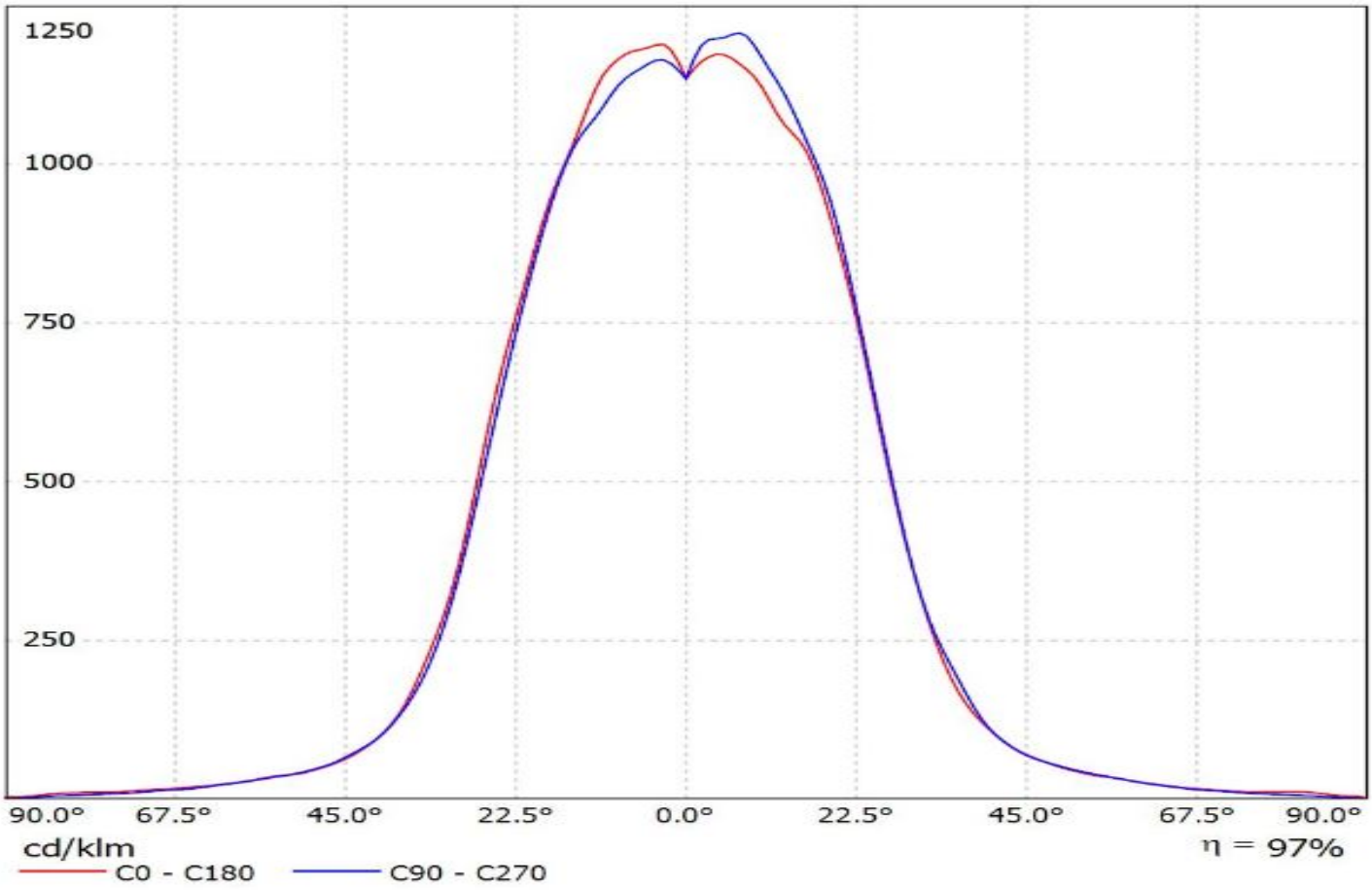
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_Fortimo FastFlex LED board 2x6 DP G4 Eff.93.2%
Lamps: 1 x Fortimo FastFlex LED board 2x6 DP G4



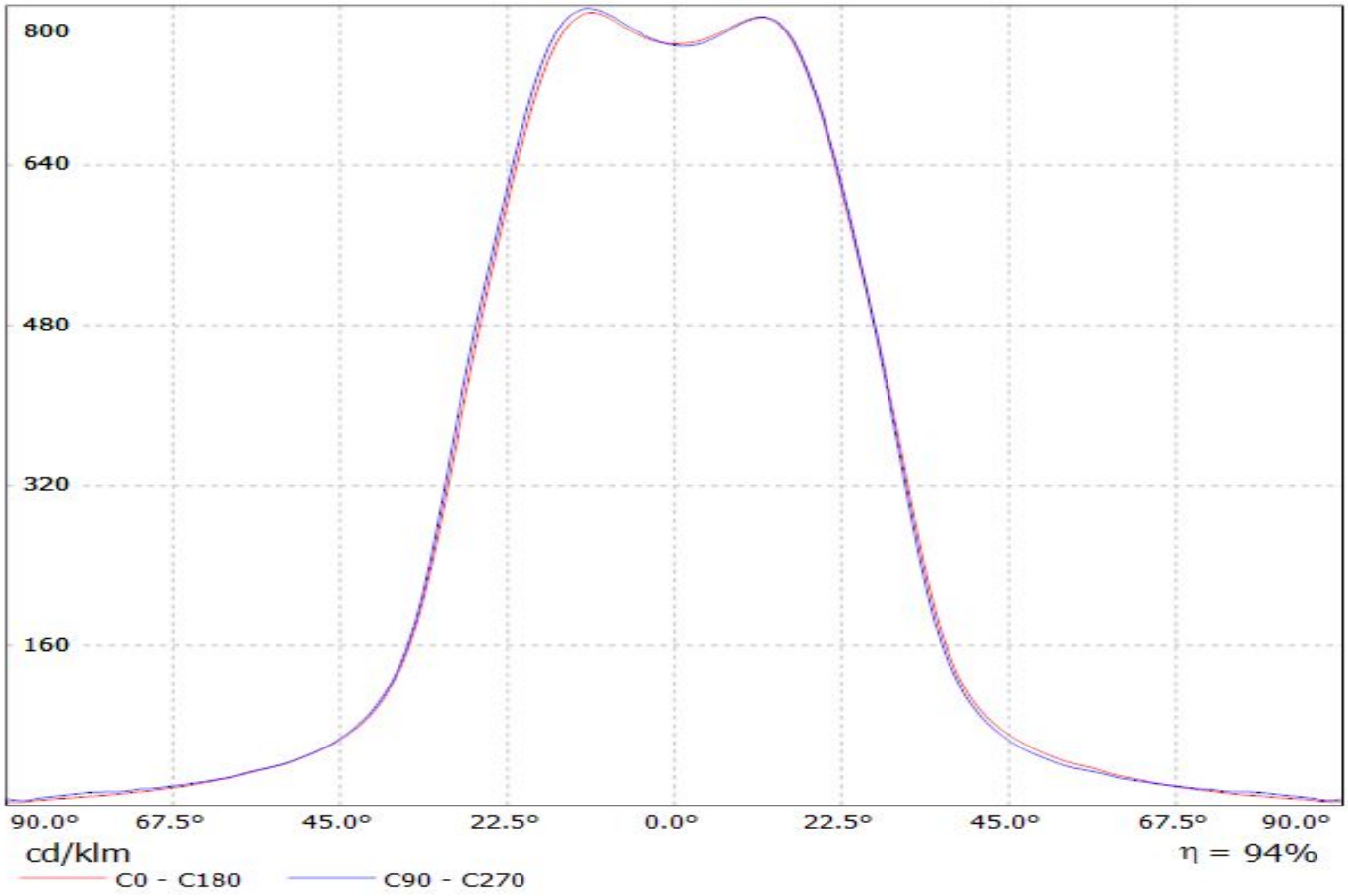
Luminaire: Ledil CS14130_HB-IP-2X6-W_Fortimo FastFlex LED board 2x6 DPX G4
Lamps: 1 x Fortimo FastFlex LED board 2x6 DPX G4



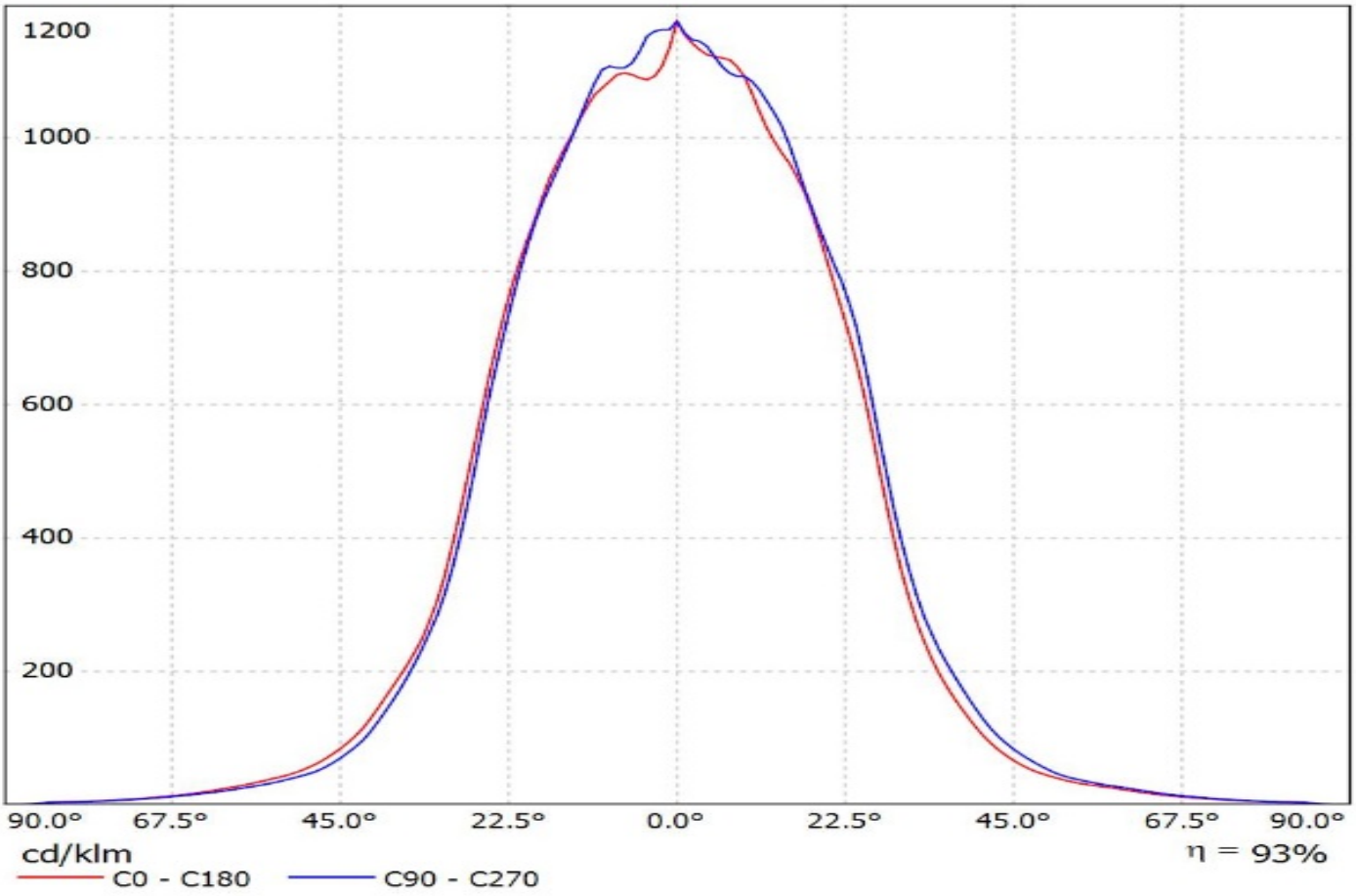
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(Samsung_LH181B)_SIMULATED
Lamps: 1 x Samsung_LH181B



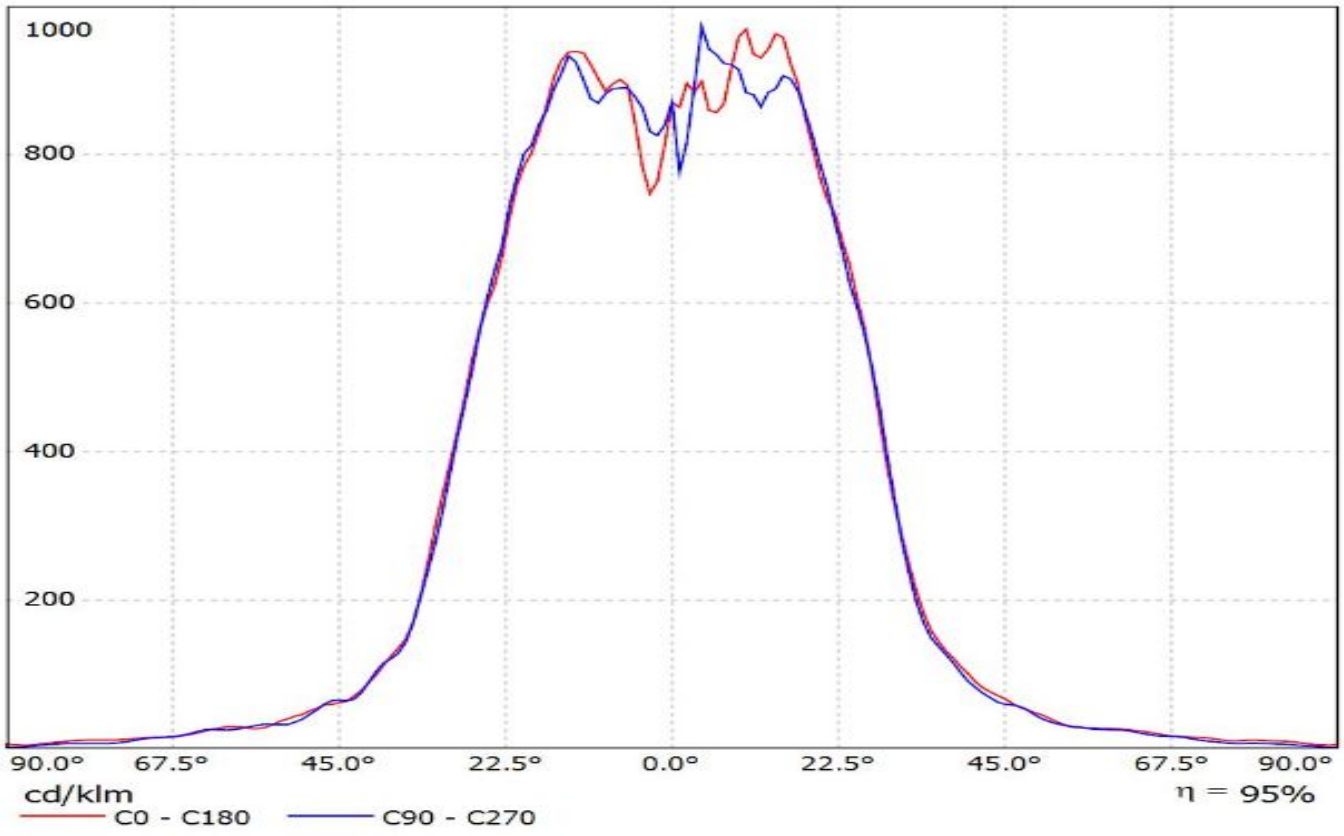
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Z5M1) Eff.94.0%
Lamps: 1 x SEOUL_Z5M1_2x6_(SZ5-M1-WW-C8)_1177.2lm@250mA_P=8.5619W_I=249.8mA



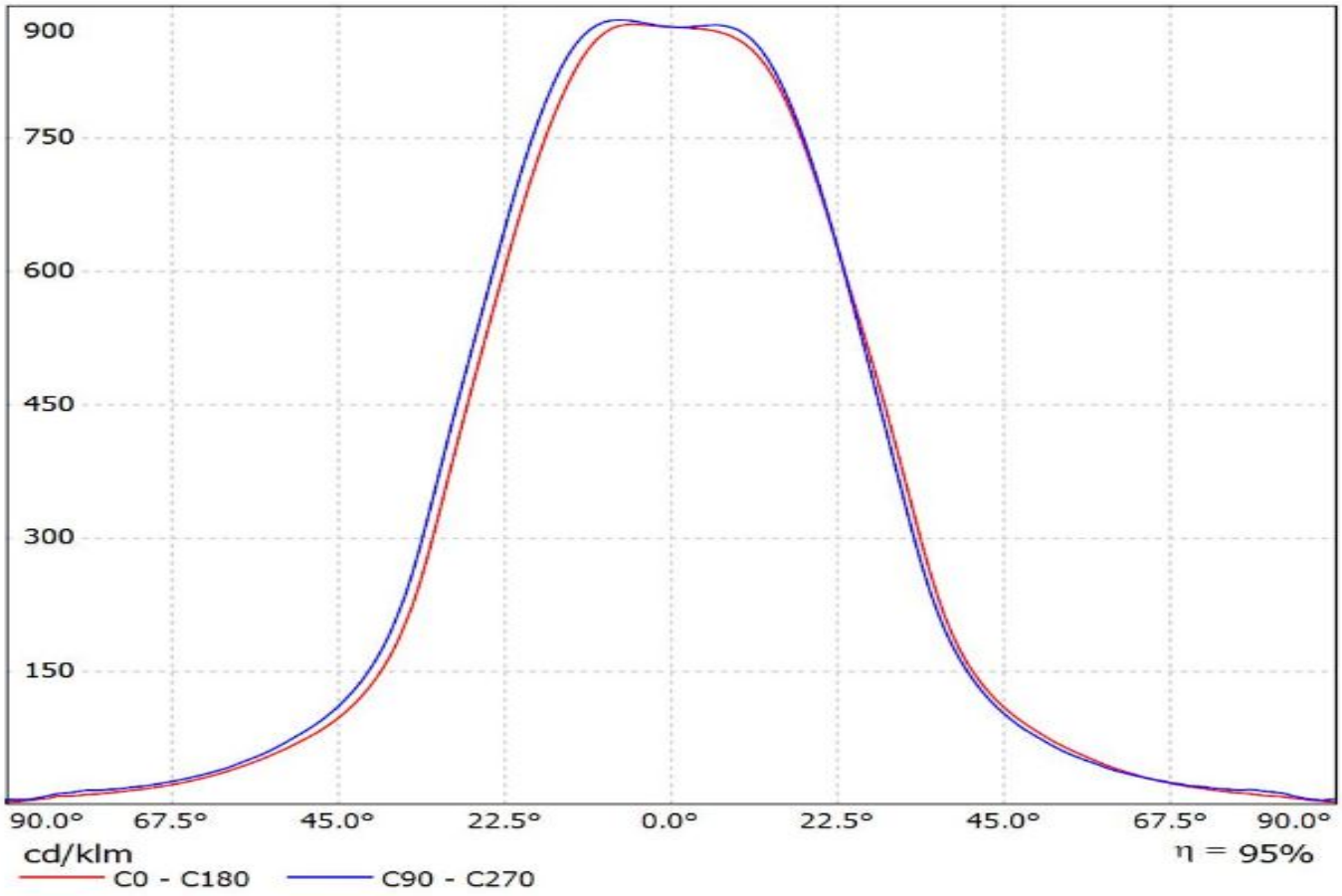
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_MJT4040_SIMULATED
Lamps: 1 x



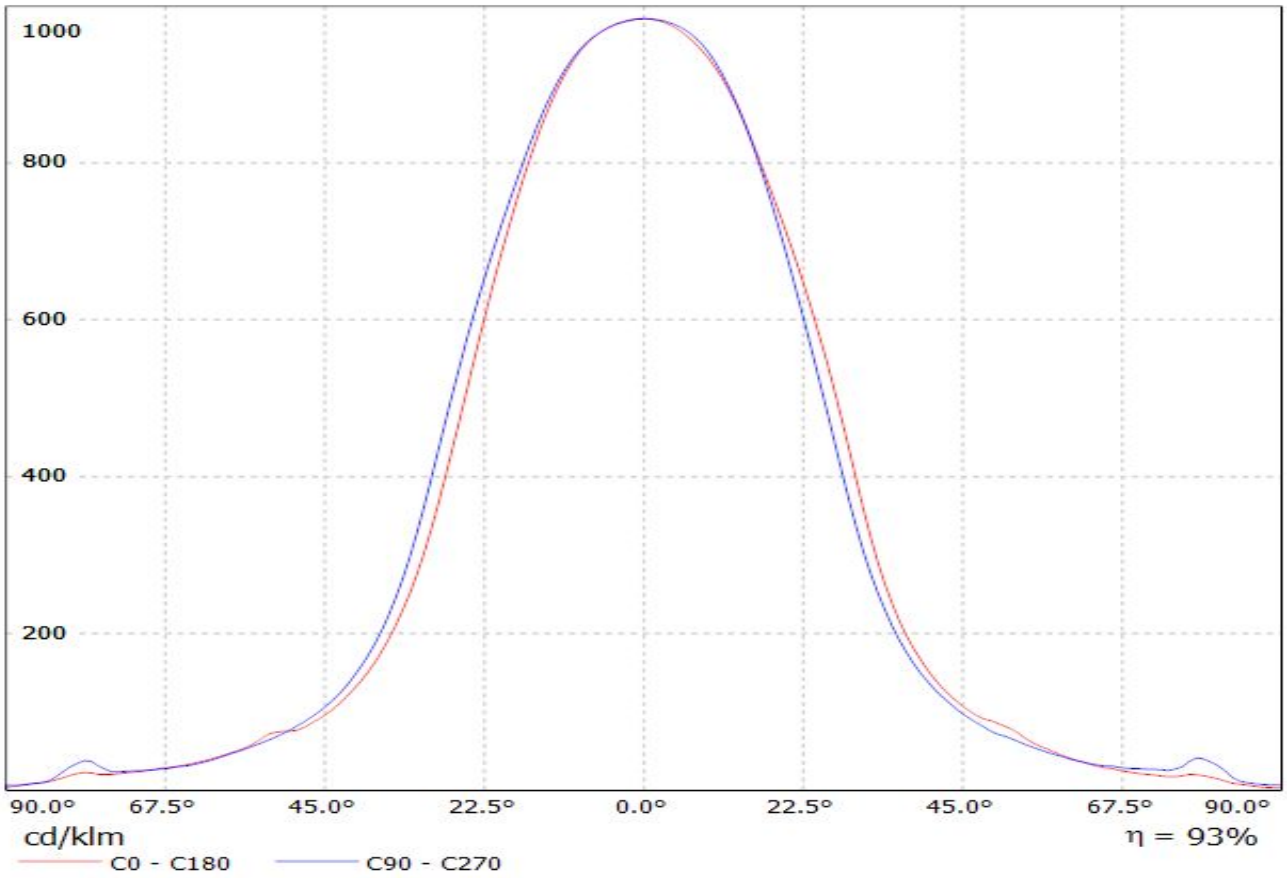
Luminaire: Ledil Oy CS14130HB-IP-2X6-W
Lamps: 1 x SEOUL_Z5M



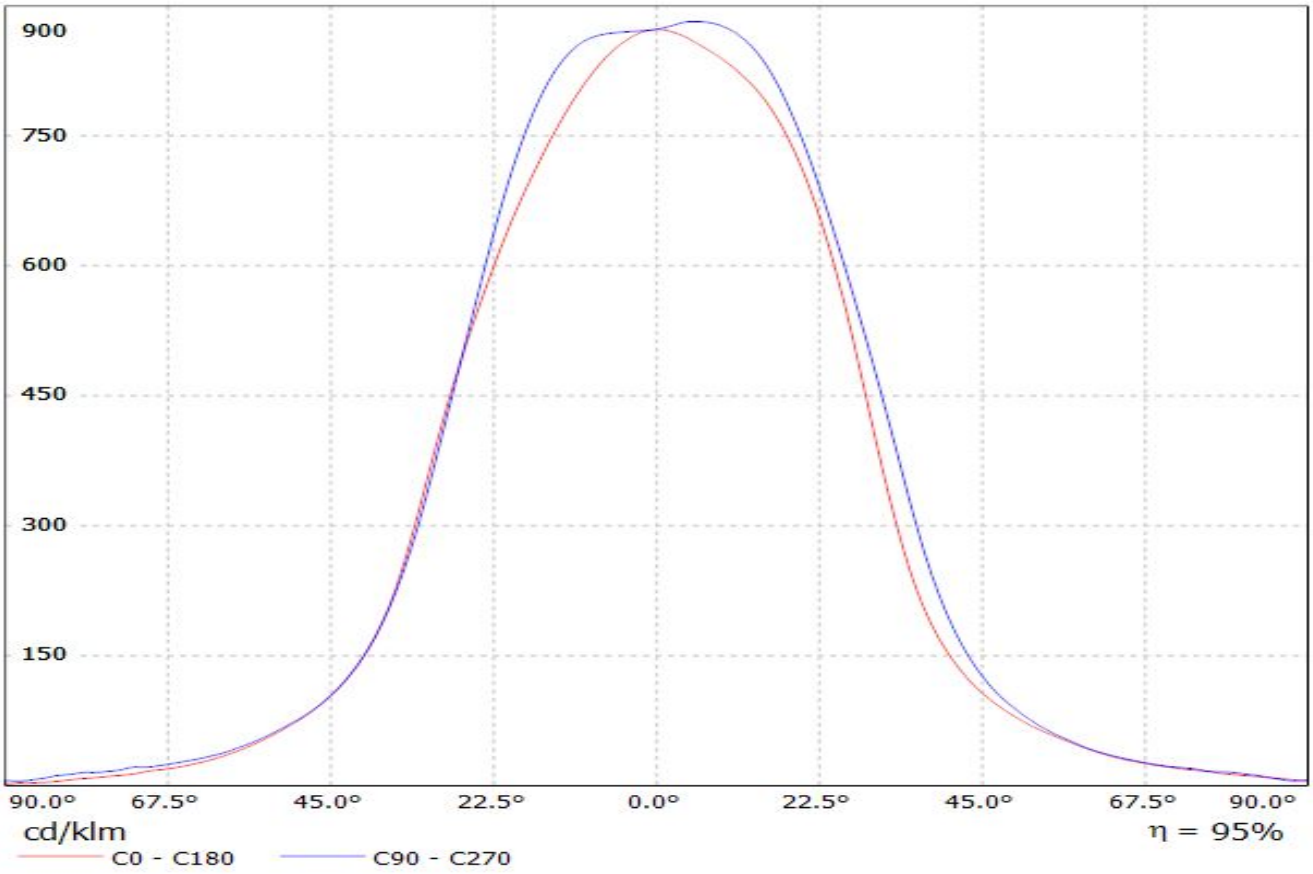
Luminaire: Ledil CS14130_HB-IP-2X6-W_(Z8Y22_PLUS)
Lamps: 1 x Seoul_Z8Y22_PLUS_2X6_(SZ8-Y22-W0-C7P)1489.65lm@250mA_P=8.30675W_I=0.250A



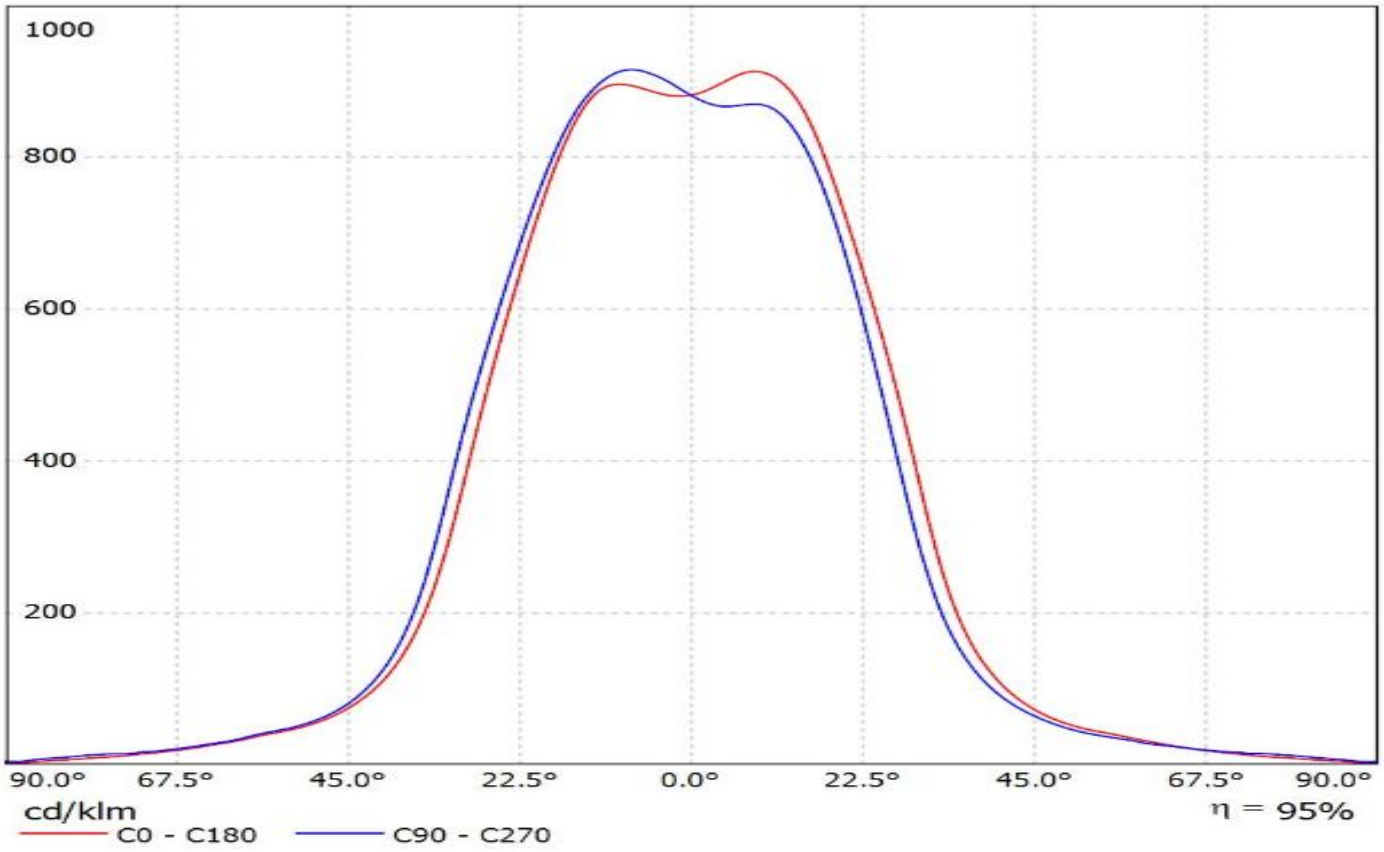
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(SMJQ-D36W12Mx)
Lamps: 1 x Seoul_SMJQ-D36W12Mx_3765.02@700mA_P=23.6218W_I=0.25A



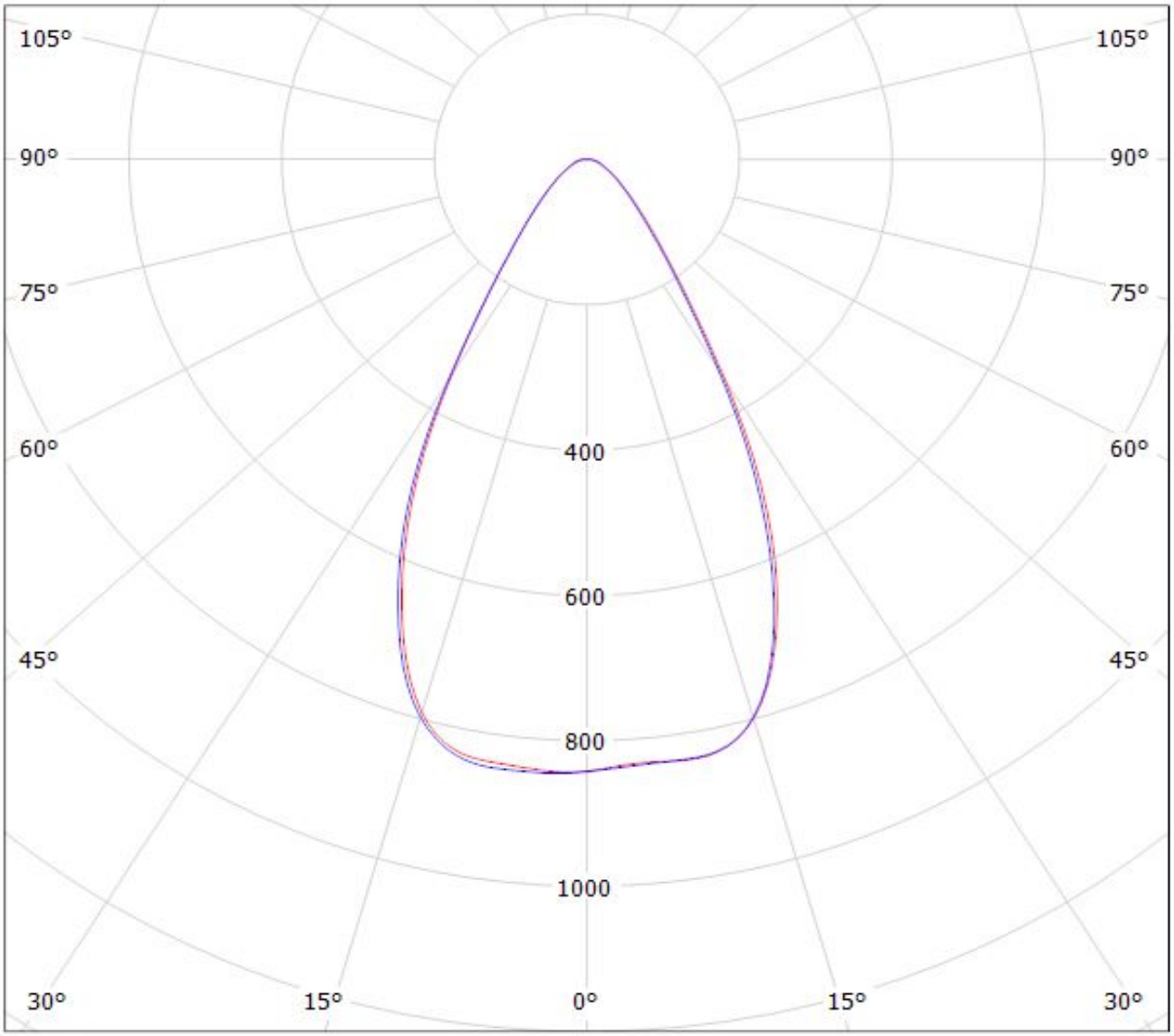
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(SMJQ-D36W12Px)
Lamps: 1 x Seoul_SMJQ-D36W12Px_1404.92lm@250mA_P=8.22866W_I=0.25A



Luminaire: Ledil CS14130_HB-IP-2X6-W_(TL1L4)
Lamps: 1 x Toshiba_TL1L4_2x6_(TL1L4-DW0)_1263.19lm@250mA_CCT=6500K_P=8.5W_I=0.25A



Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XT-E)
Lamps: 1 x CREE_XT-E_6x2_(XTEAWT-00-0000-000000HE4)_1253.92lm@250mA_P=8.86265W_I=249.8mA

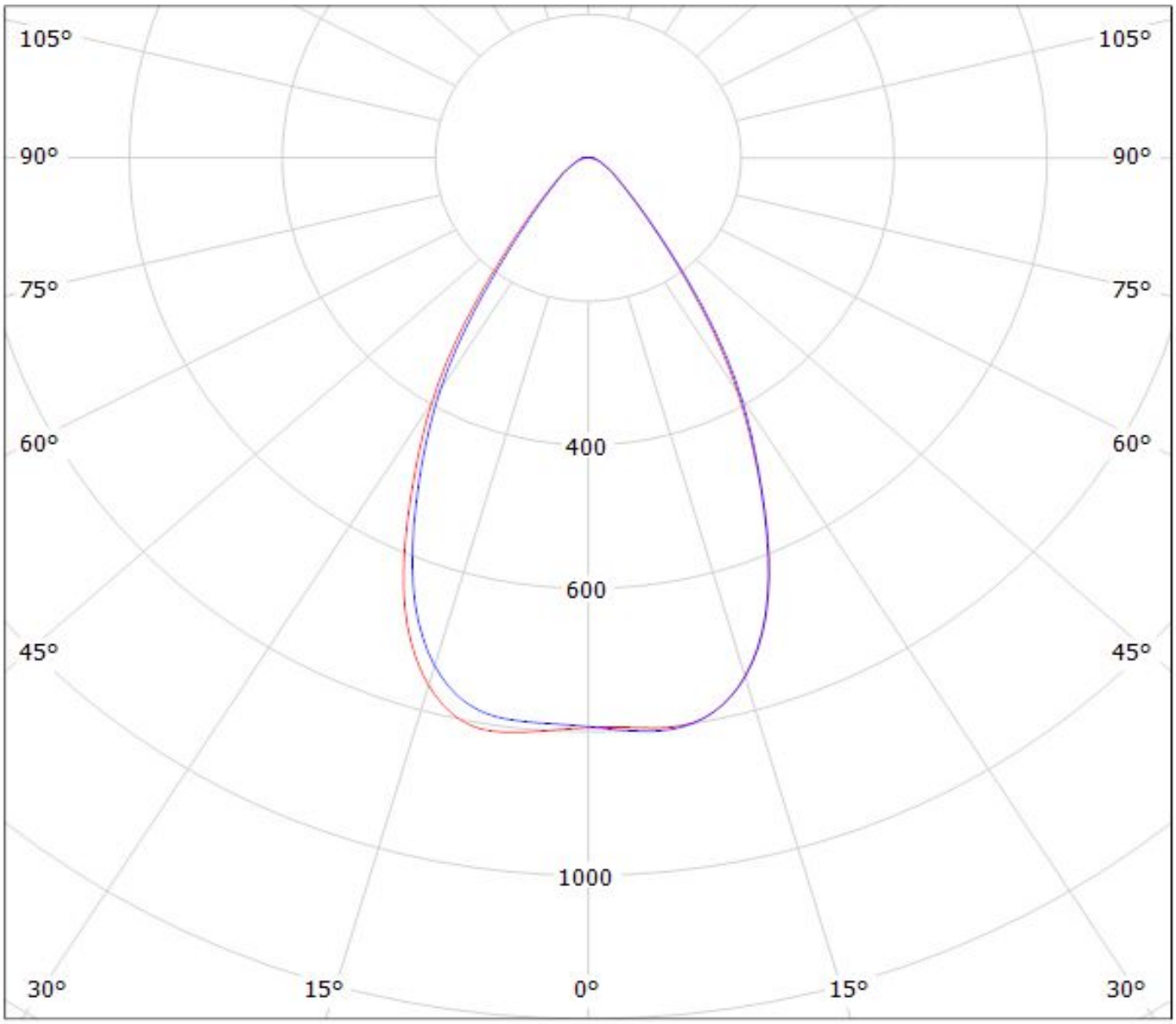


cd/klm

η = 96%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XM-L2) Eff.94.0%
Lamps: 1 x CREE_XM-L2_2x6_1197.78lm@250mA_P=8.38555W_I=254.1mA

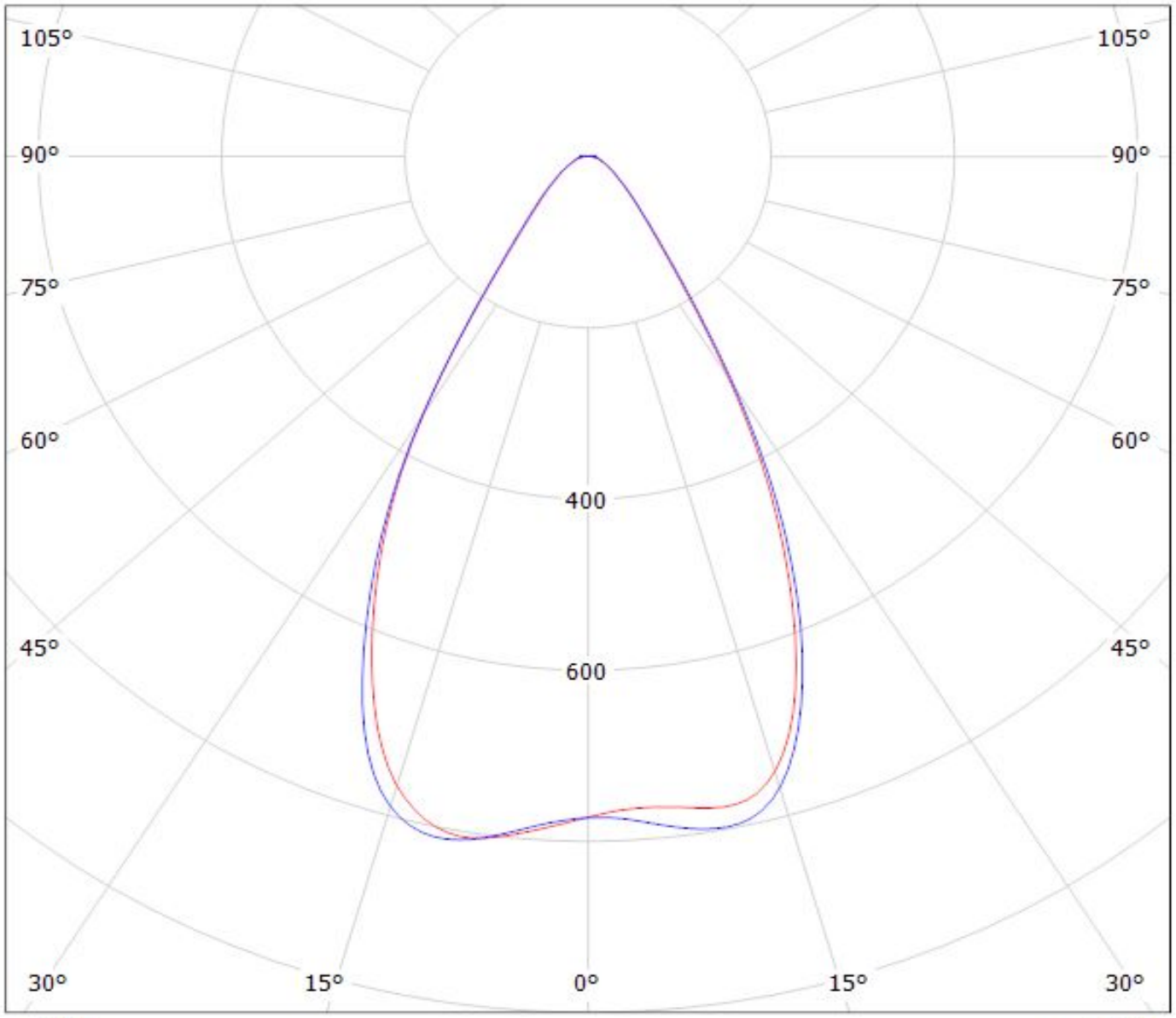


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-G2) Eff.93.2%
Lamps: 1 x CREE_XP-G2_1303lm@250mA_P=8.58363W_I=249.8mA

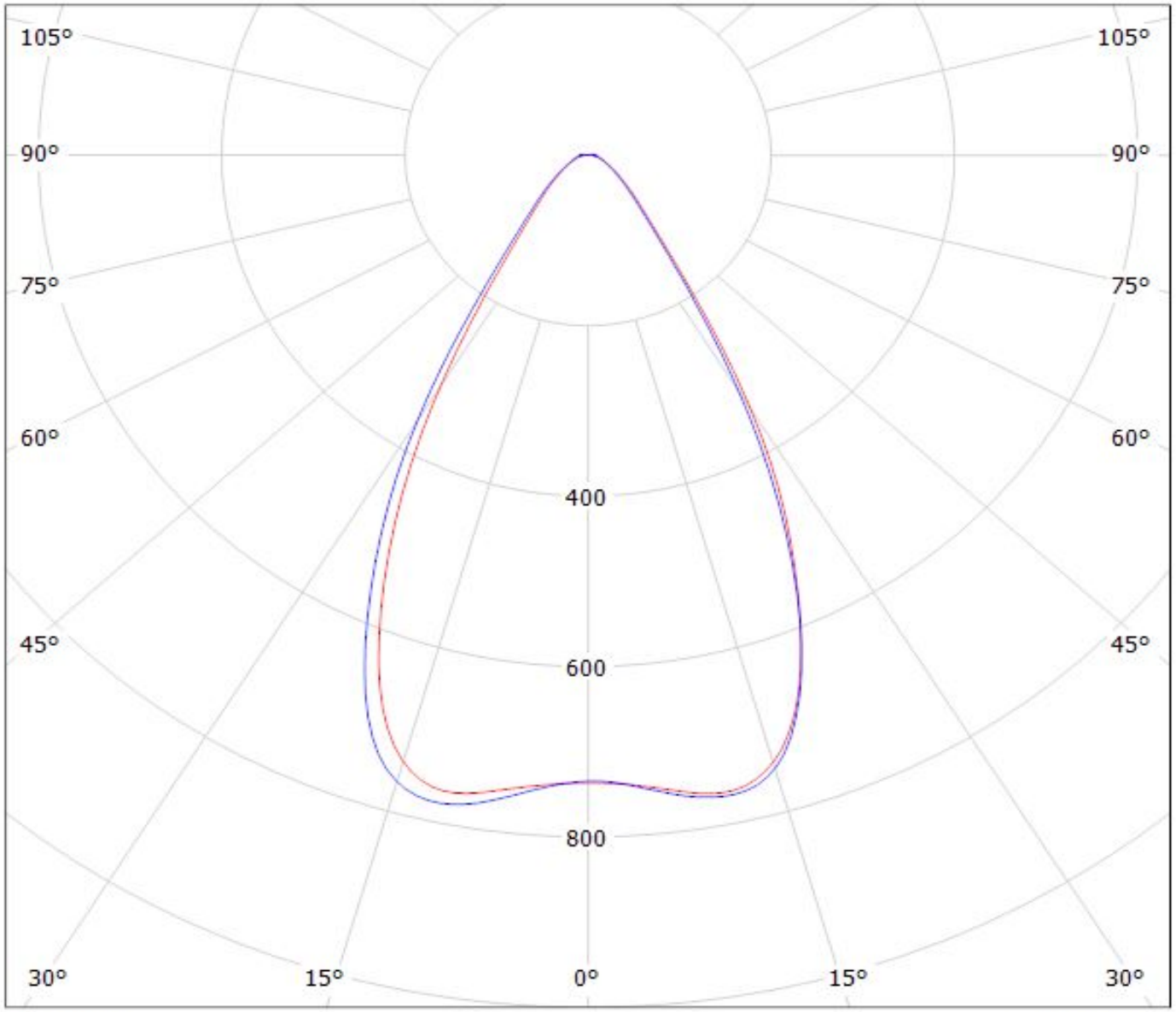


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-G) Eff.94.0%
Lamps: 1 x CREE_XP-G_6x2_799.2lm@250mA_P=8.52542W_I=249.8mA

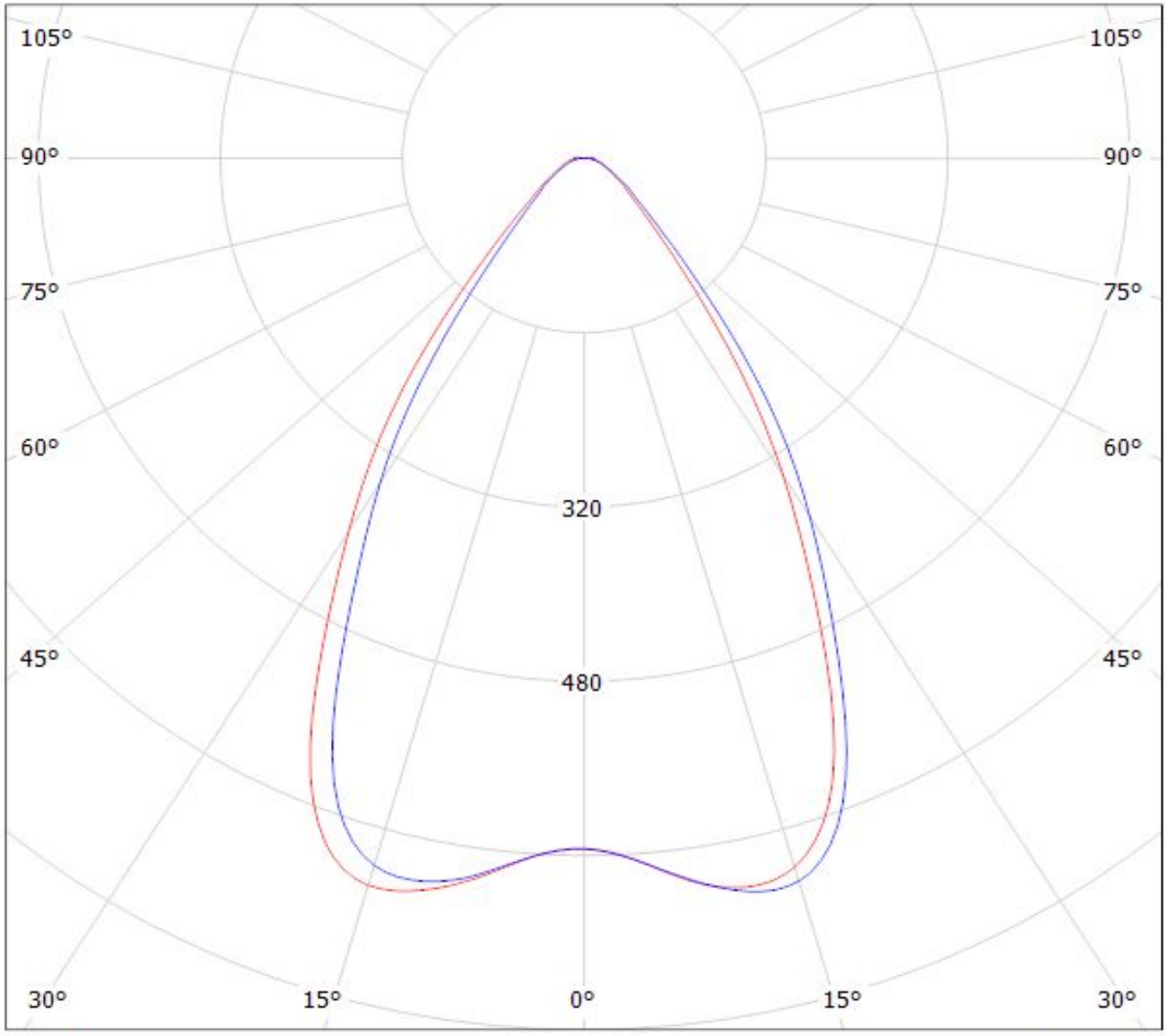


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(XP-L)
Lamps: 1 x CREE_XP-L_2x6_(XPLAWT-0-7A3-U50-0H-0001)_1253.88lm@250mA_P=8.22317W_I=249.8mA

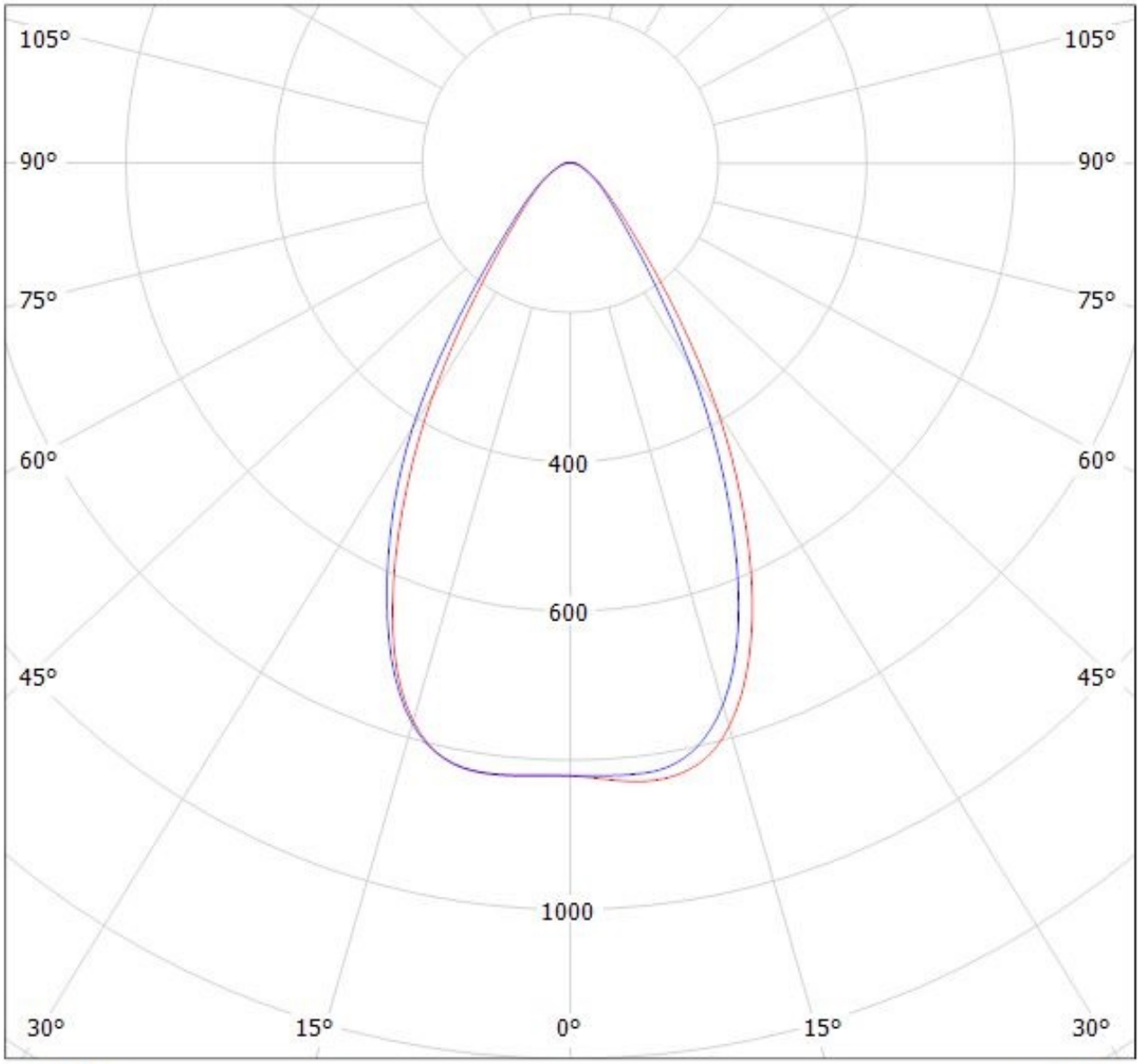


cd/klm

η = 95%

C0 - C180 C90 - C270

Luminaire: Ledil CS14130_HB-IP-2X6-W_(XP-G3)
Lamps: 1 x Cree_XP-G3_6x2_(XPGDWT-B1-6C1-S3-0-01)_1521.26lm@250mA_P=8.253W_I=0.25A

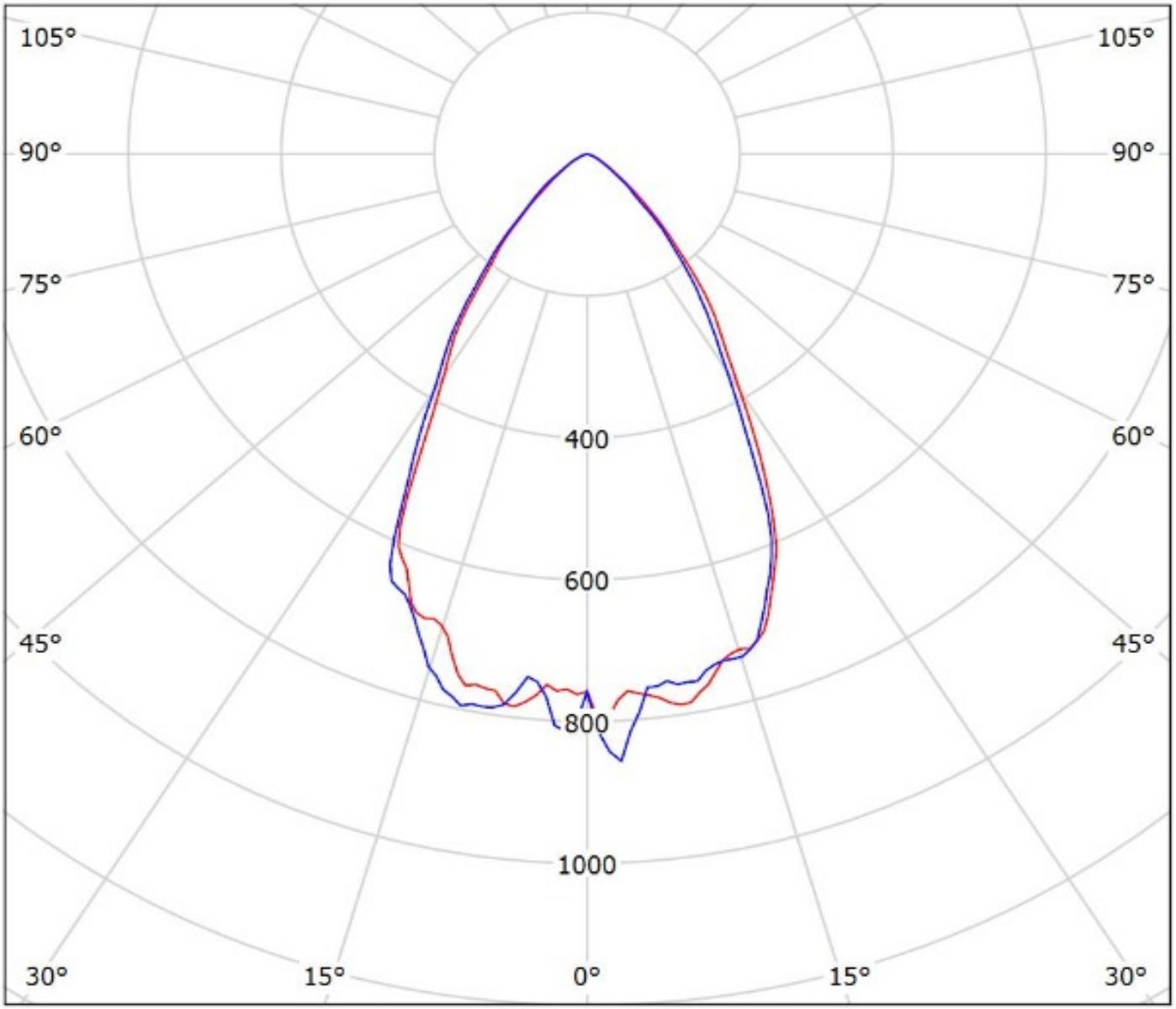


cd/klm

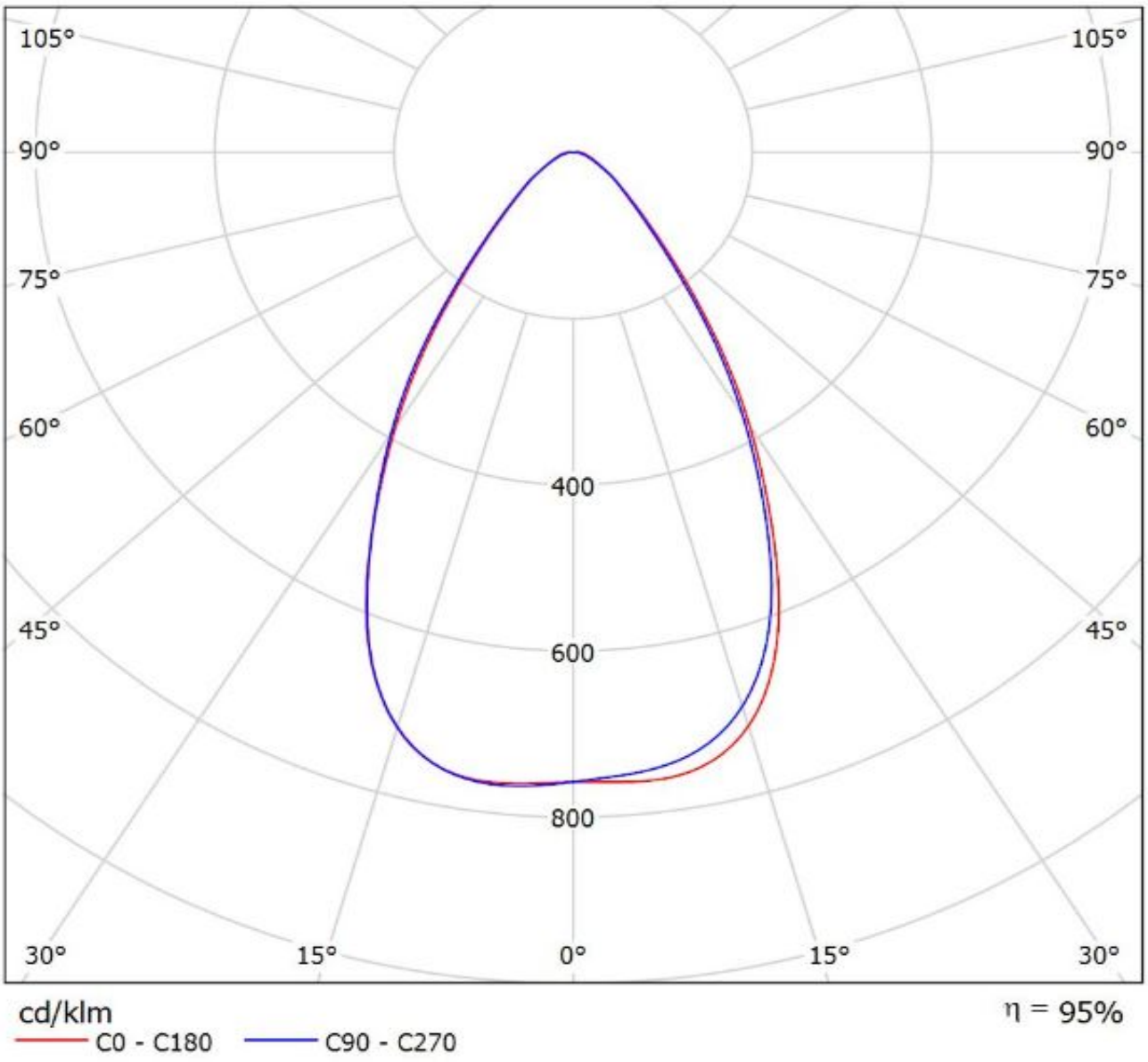
η = 94%

C0 - C180 C90 - C270

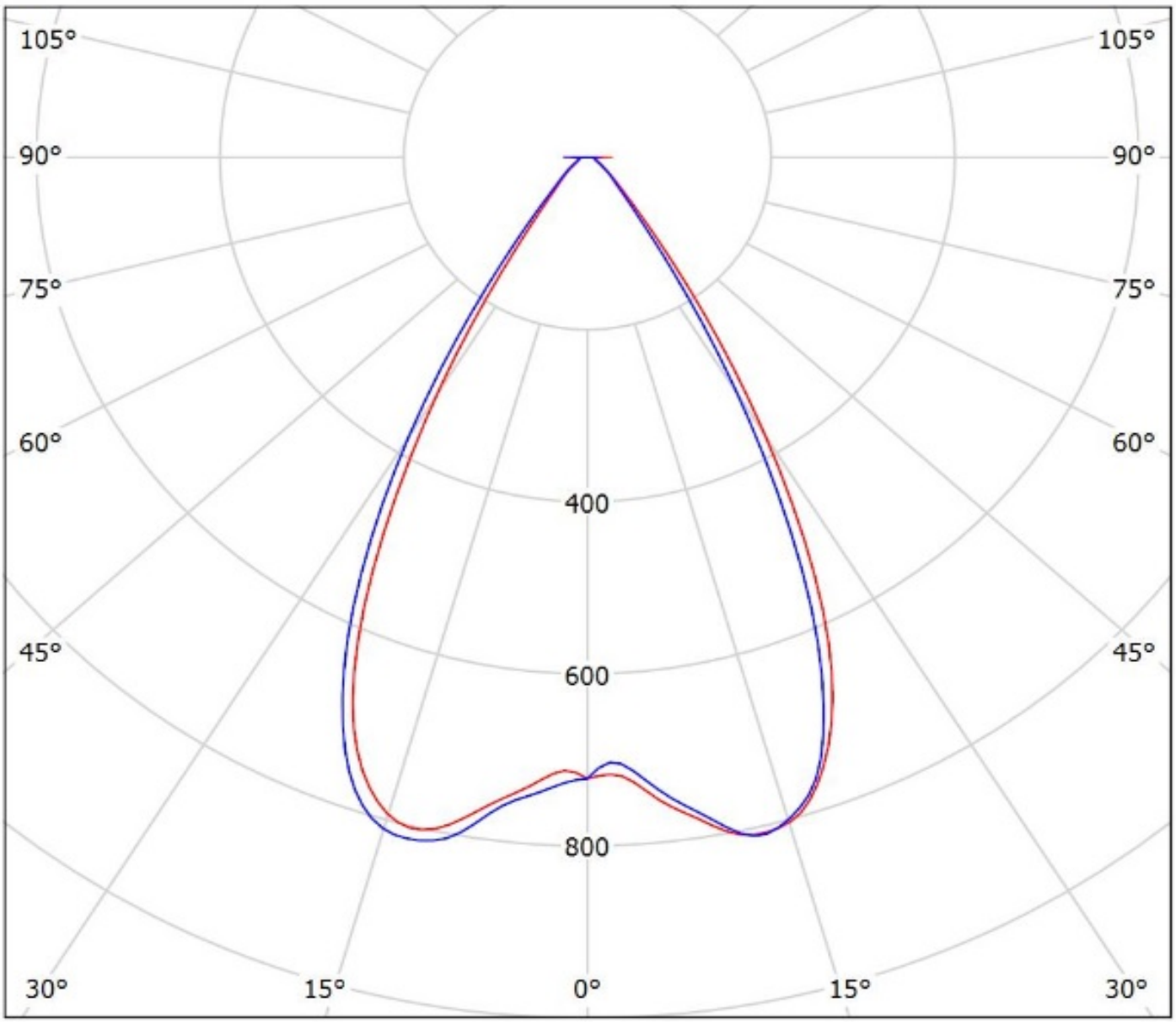
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W-MH-B_SIMULATED
Lamps: 1 x Cree MH-B



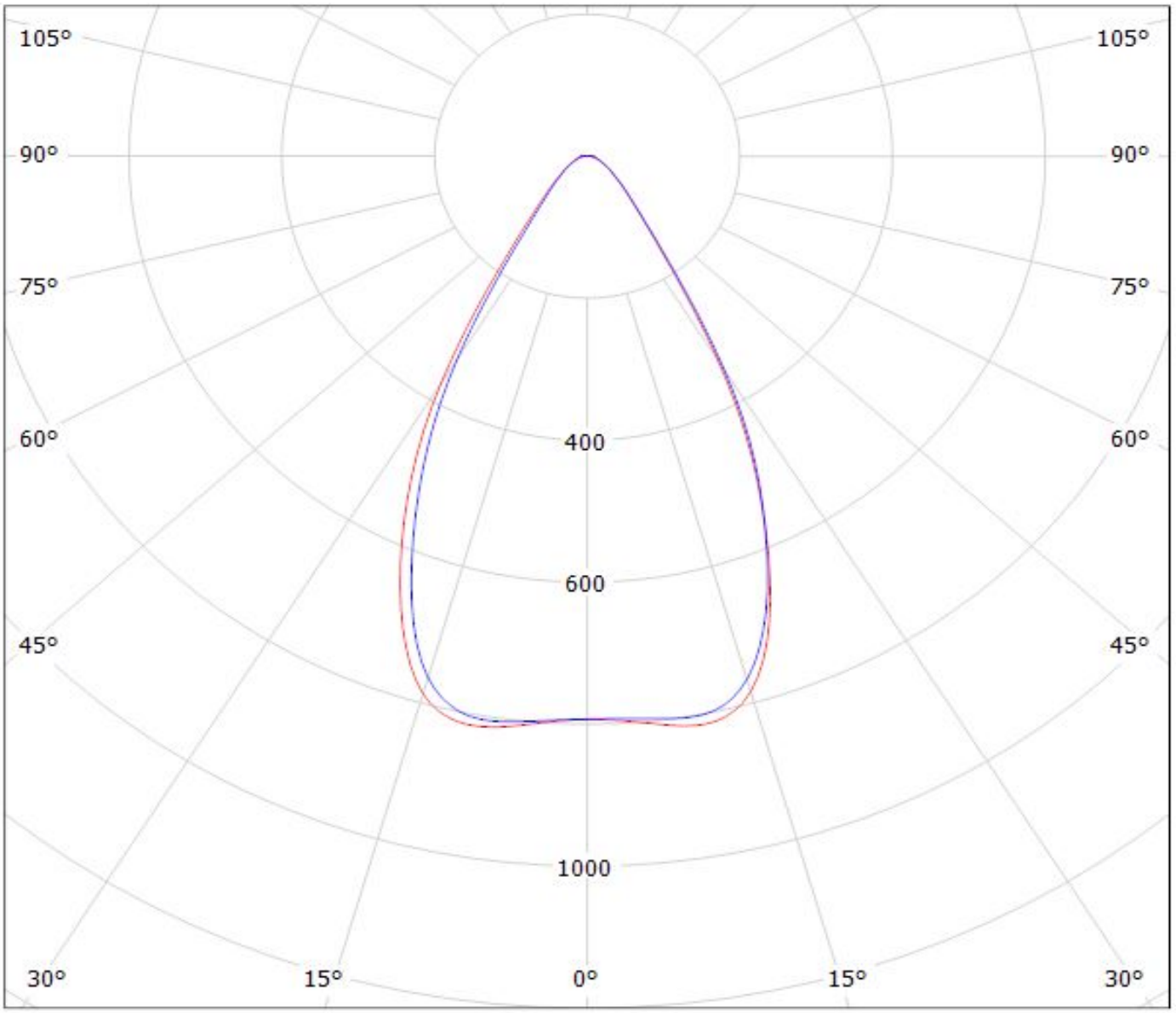
Luminaire: Ledil CS14130_HB-IP-2X6-W_(XP-L2)
Lamps: 1 x Cree_XP-L2_2x6_1659.4lm@250mA_P=8.22525W_I=0.25A



Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1



Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON_T) Eff.94.0%
Lamps: 1 x LUXEON_T_6x2_(LXH8-FW30)_1062.6lm@250mA_P=8.46572W_I=249.8mA

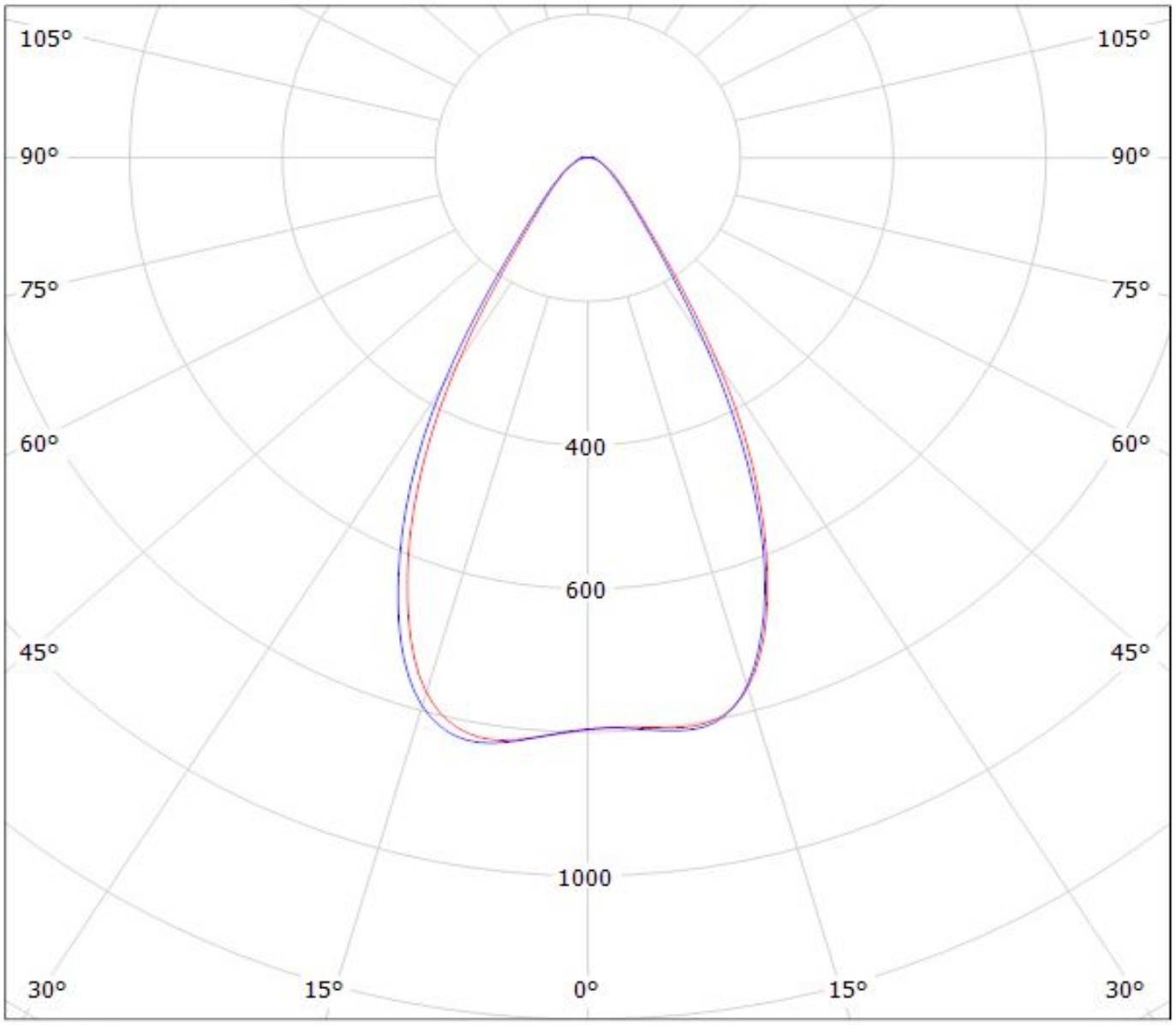


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(REBEL-ES) Eff.94.0%
Lamps: 1 x Luxeon_Rebel-ES_2x6_864.2lm@250mA_P=9.03127W_I=249.8mA

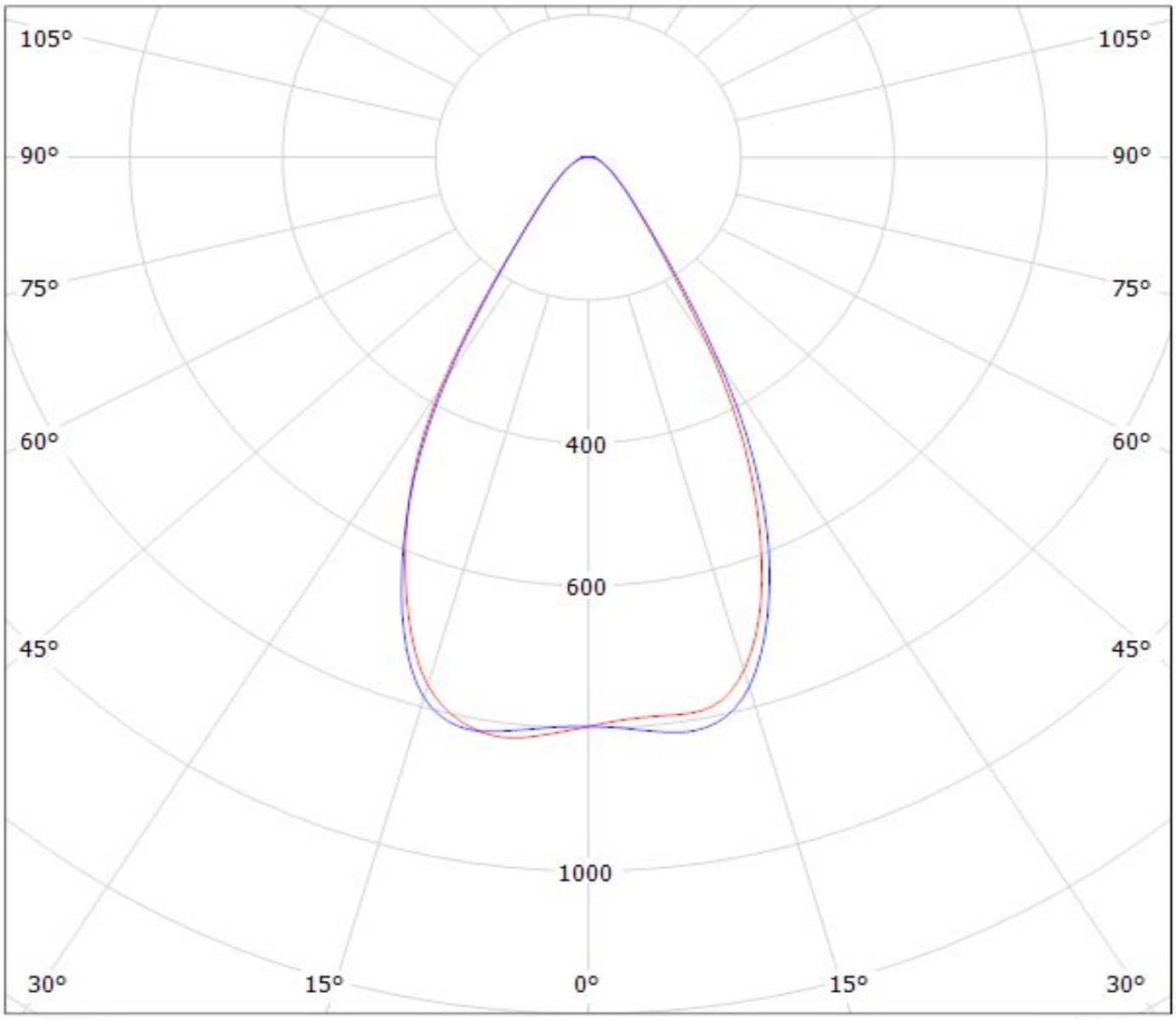


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON-R) Eff.94.0%
Lamps: 1 x Luxeon_R_6x2_1154lm@250mA_P=8.29161W_I=249.8mA

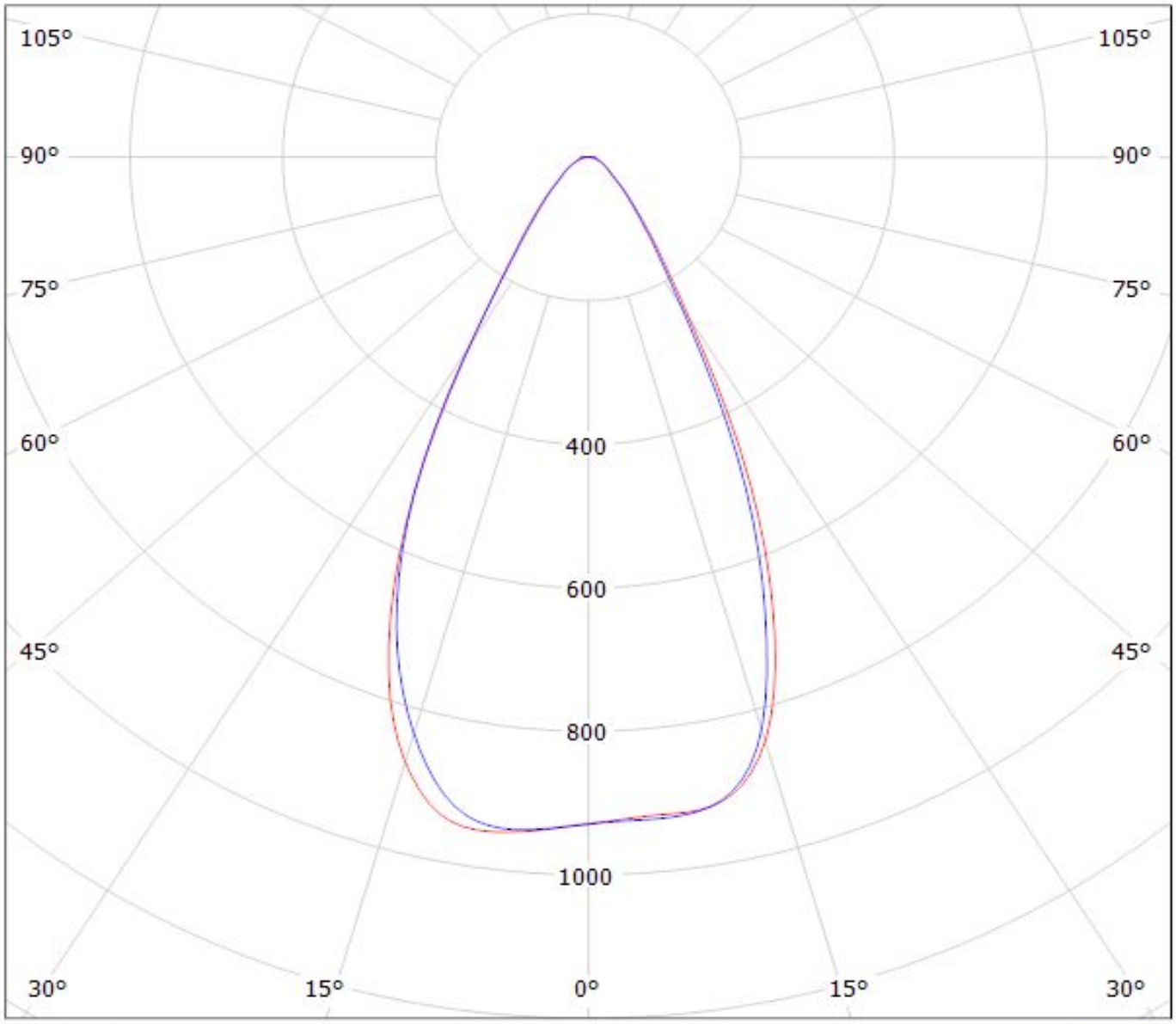


cd/klm

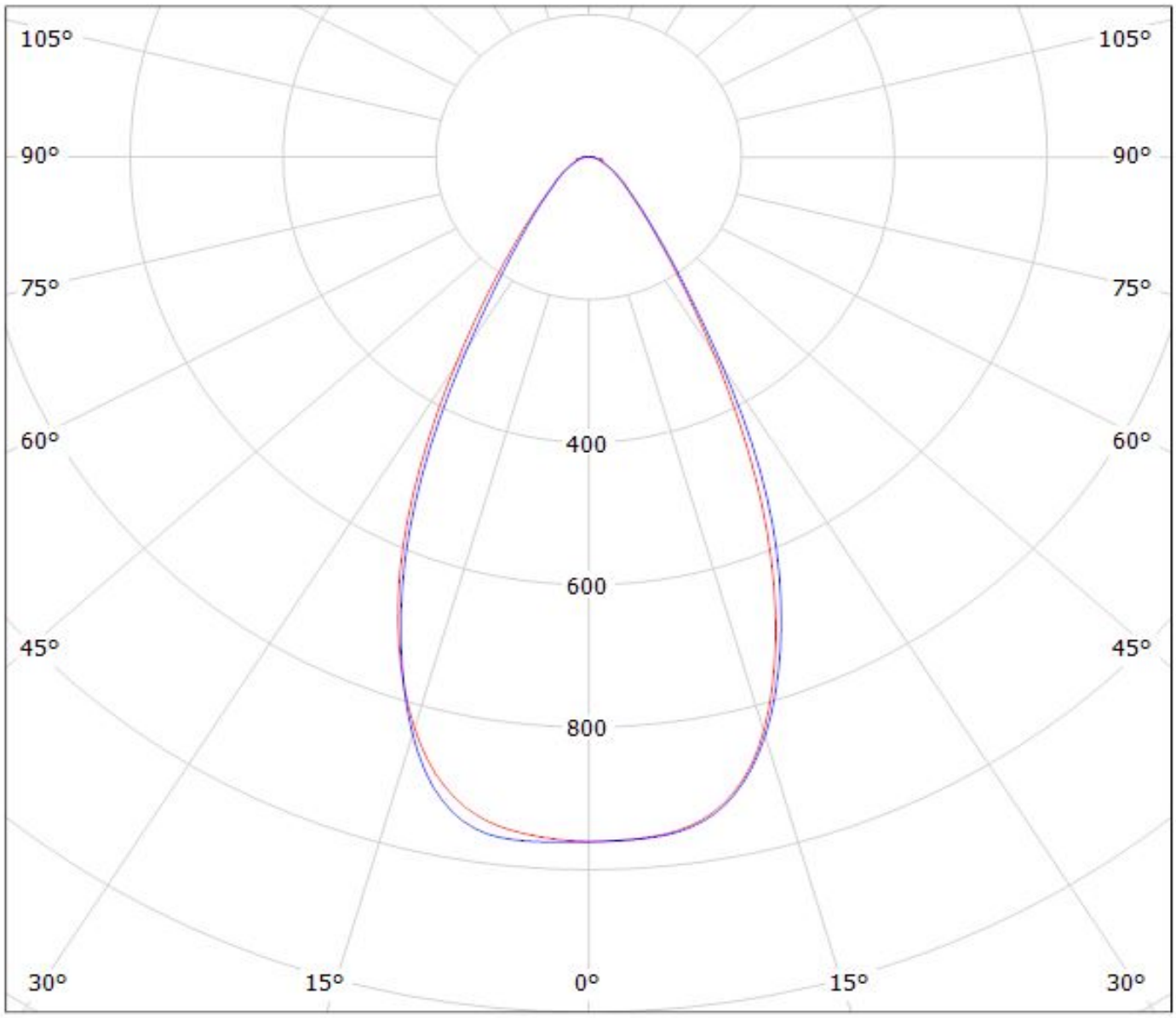
η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(LUXEON_Z_ES) Eff.94.0%
Lamps: 1 x LUXEON_Z_ES_990.2lm@250mA_P=8.31159W_I=249.8mA



Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_2x6_1301.4lm@250mA_P=8.26138W_I=249.8mA

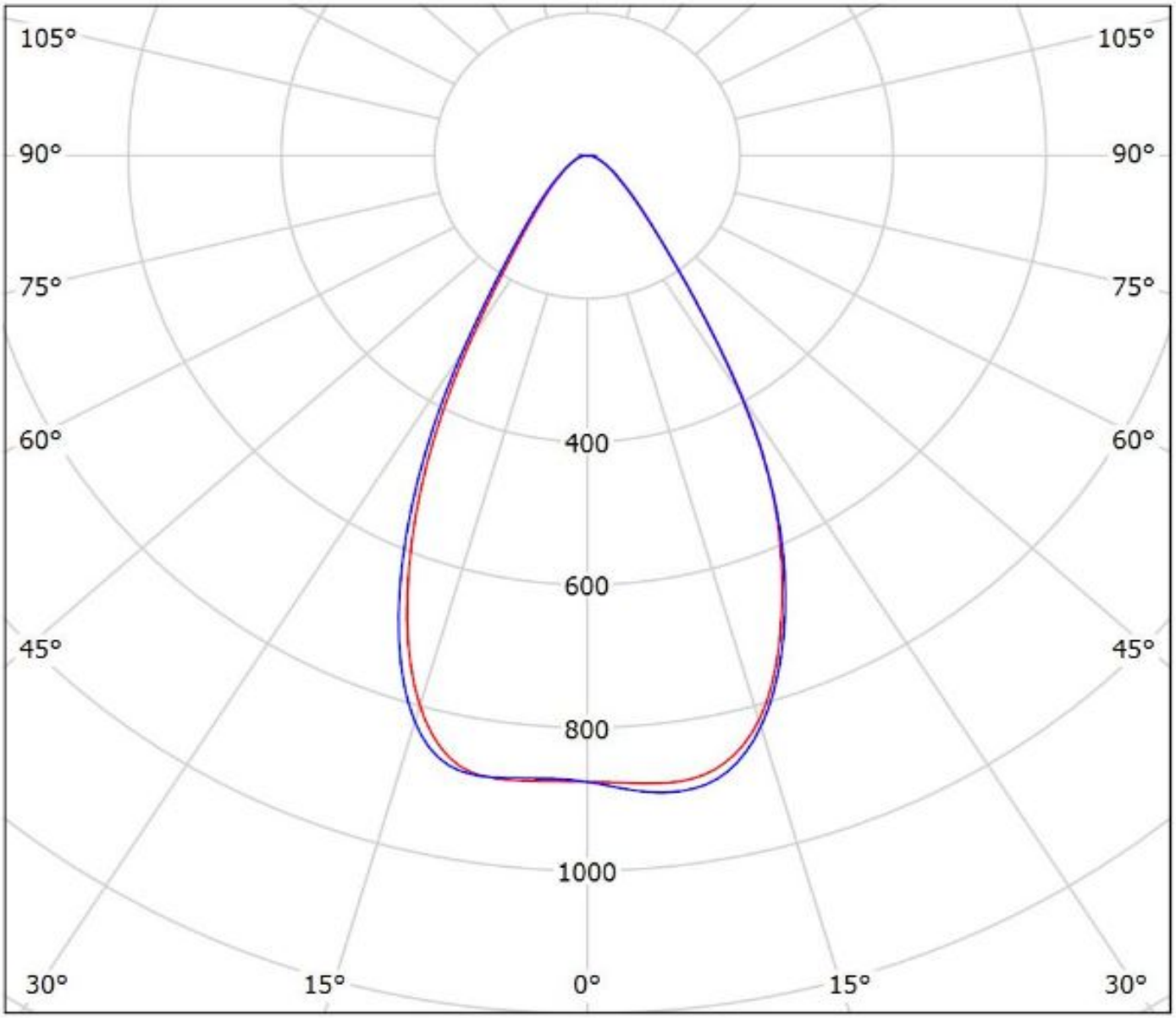


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil CS14130_HB-IP-2X6-W_(XR-TX)
Lamps: 1 x Luxeon_XR-TX_1376.41lm@250mA_P=8.3920W_I=0.250A

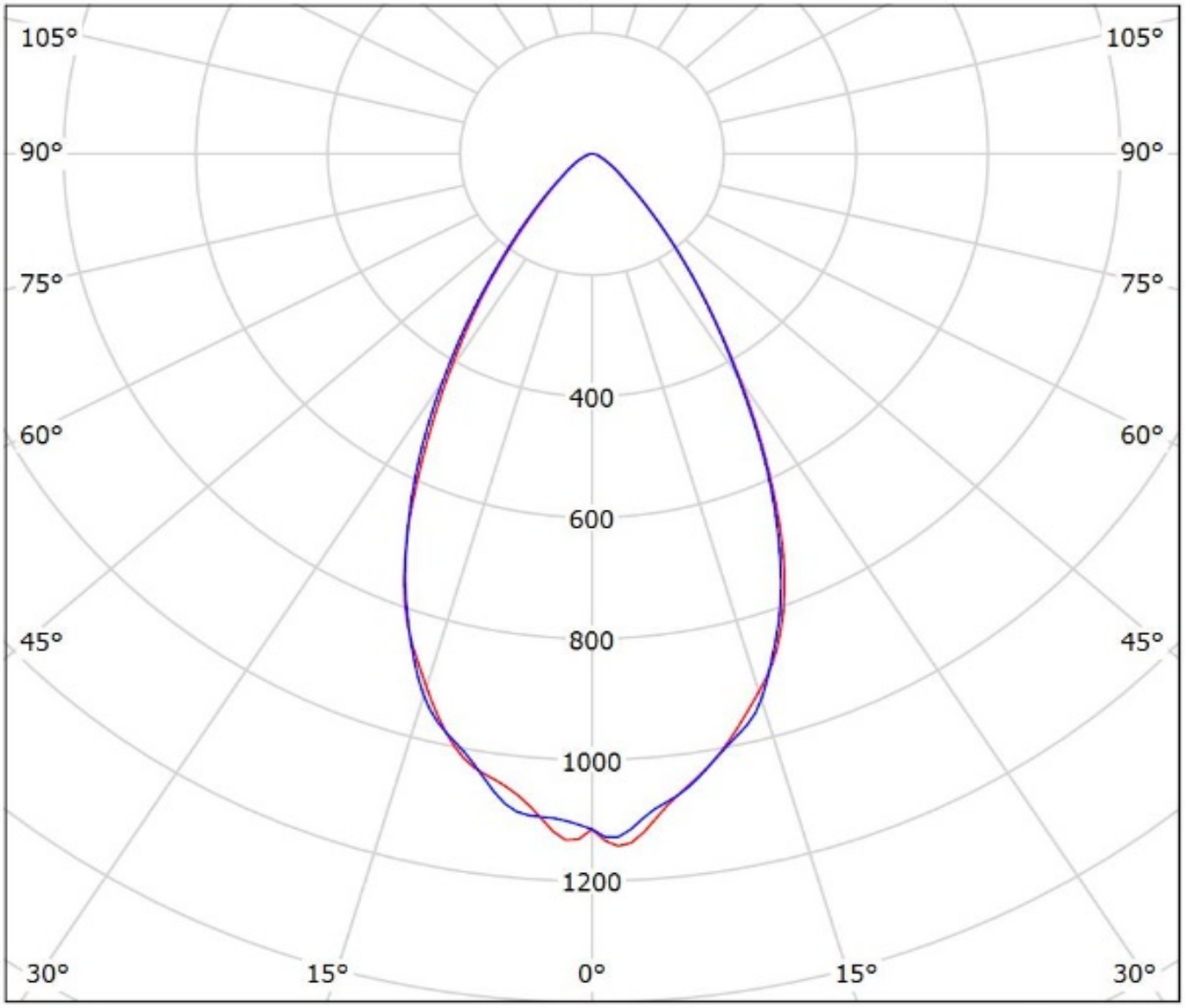


cd/klm

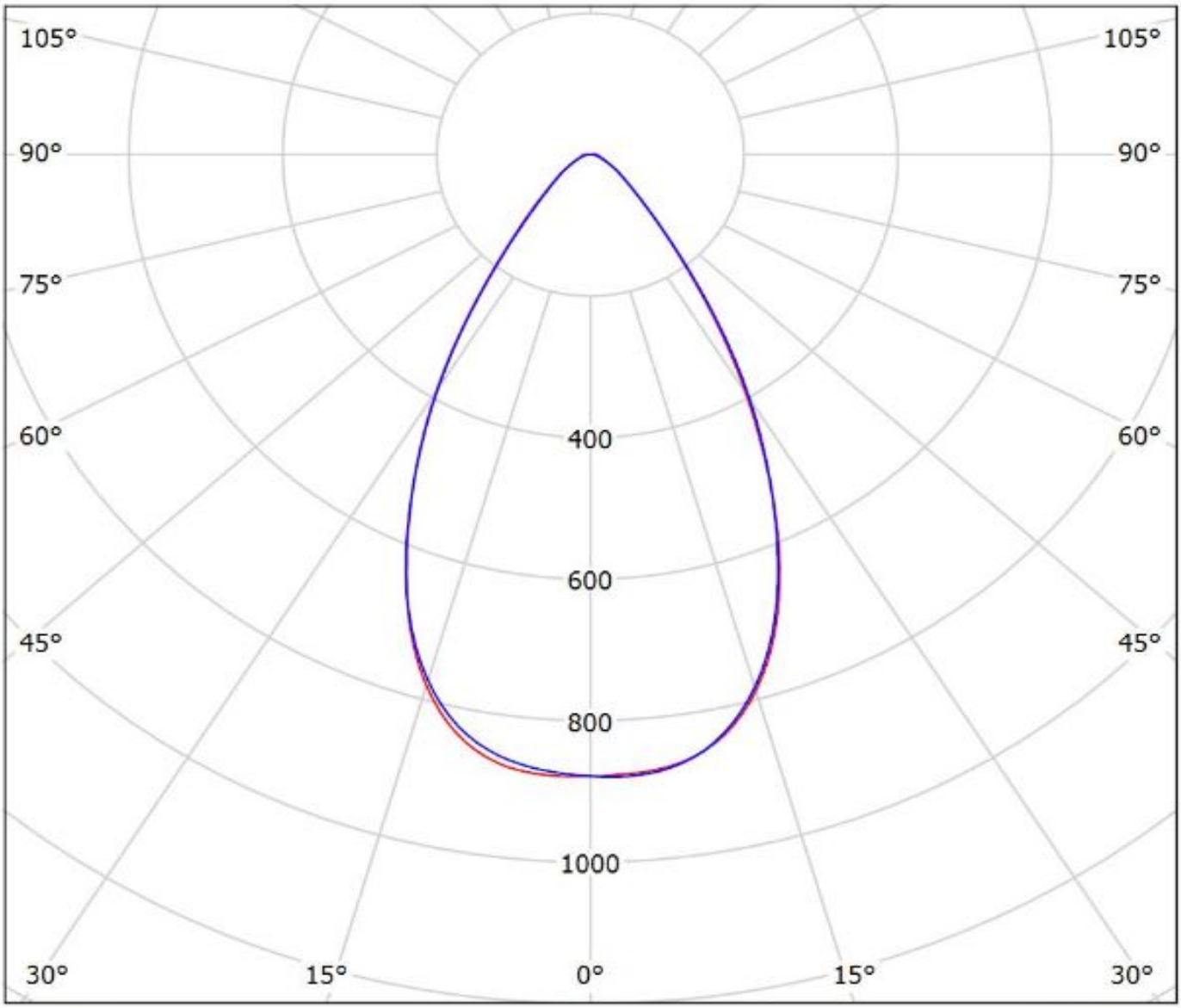
η = 95%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_LUXEON-5050_SIMULATED
Lamps: 1 x Lumileds Luxeon 5050

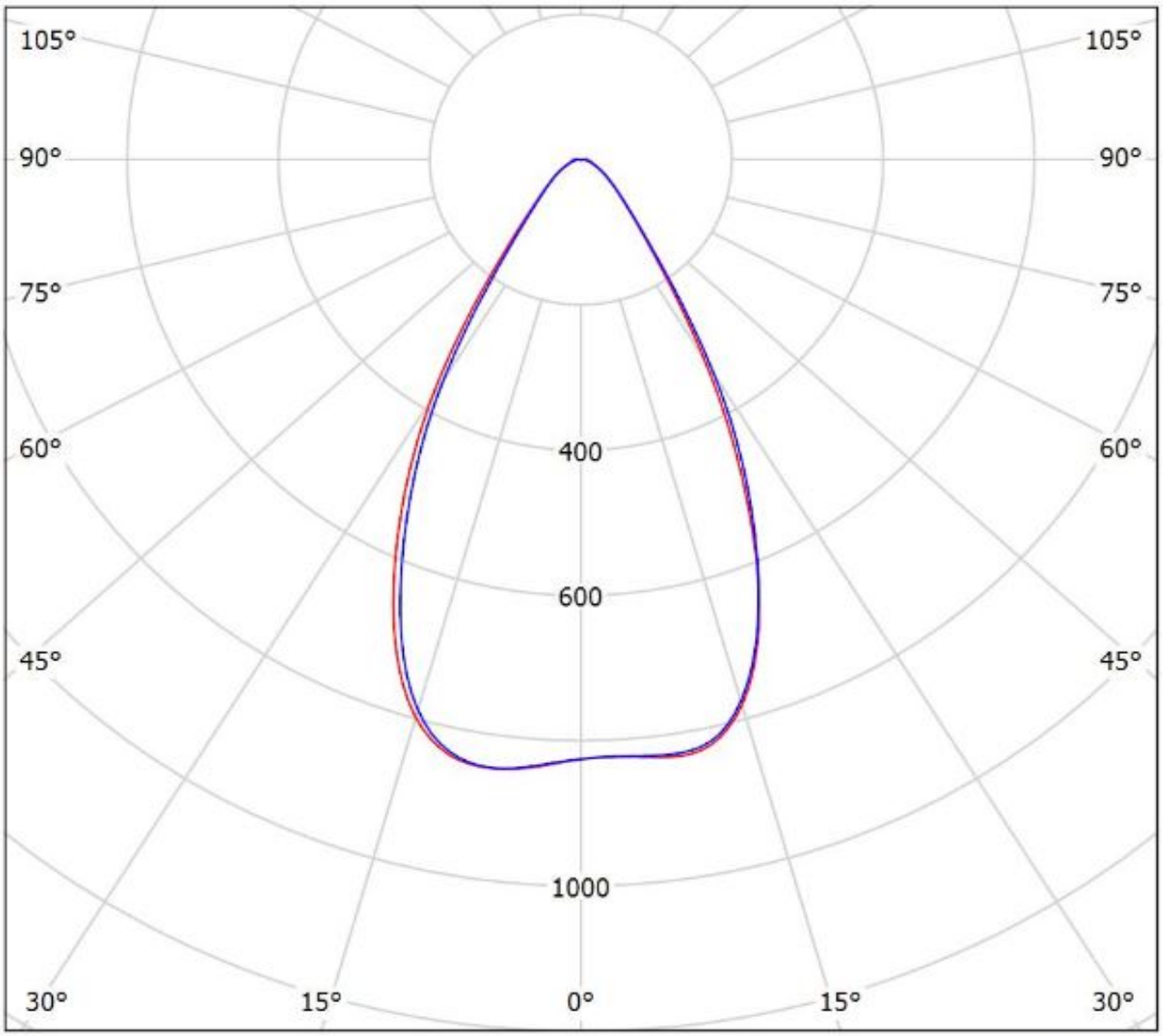


Luminaire: Ledil CS14130_HB-IP-2X6-W_(Luxeon_V)
Lamps: 1 x Lumileds_Luxeon_V_1451.92lm@250mA_P=8.21196W_U=32.860V



cd/klm
η = 93%
C0 - C180
C90 - C270

Luminaire: Ledil CS14130_HB-IP-2X6-W_(NVSL219CT)
Lamps: 1 x Nichia_NVSL219CT_2x6_1262.53lm@250mA_P=8.35825W_I=0.25A

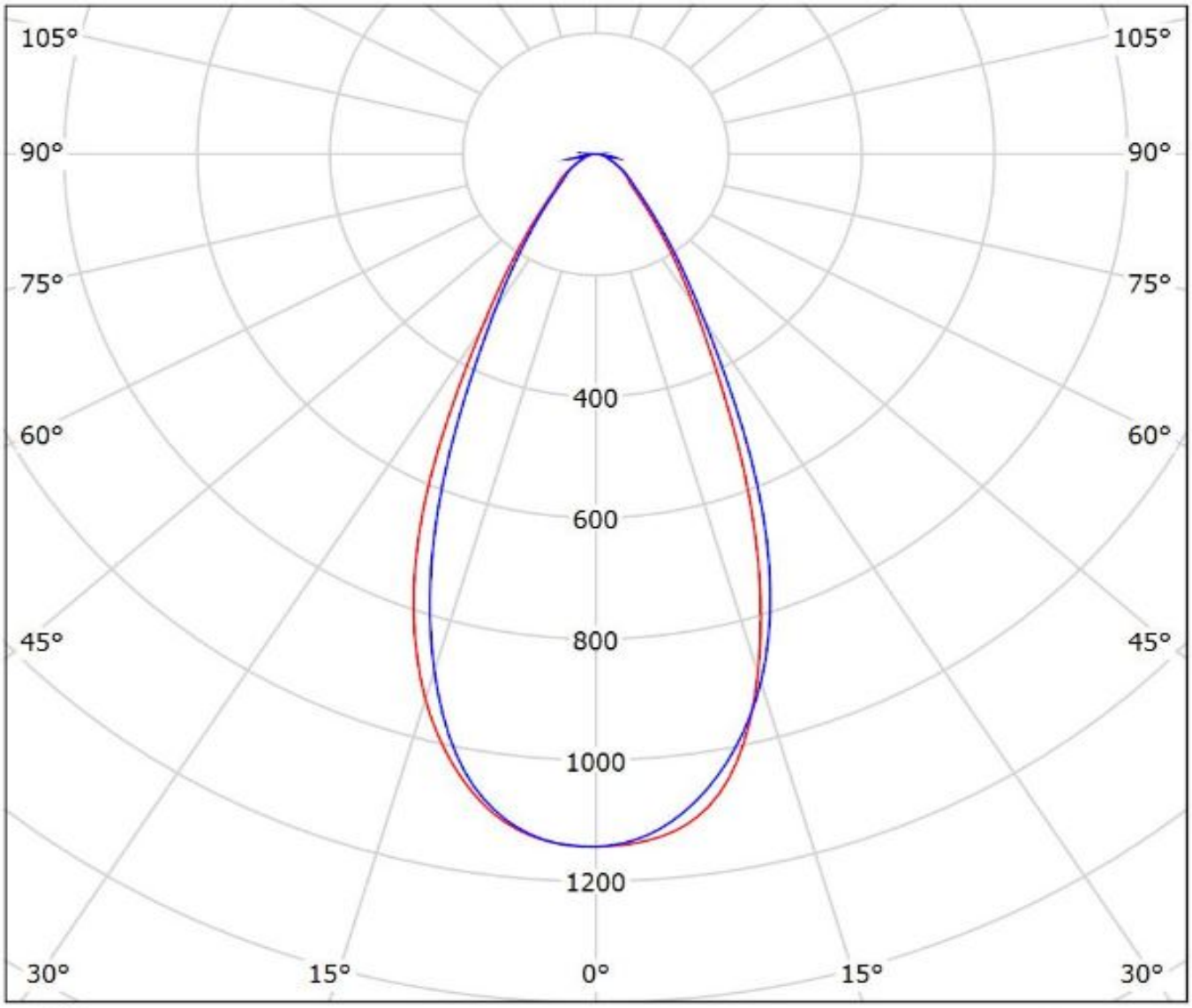


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Nichia_E21)
Lamps: 1 x Nichia_NVSWE21A_583.232lm@600mA_P=3.51742W_I=0.600A

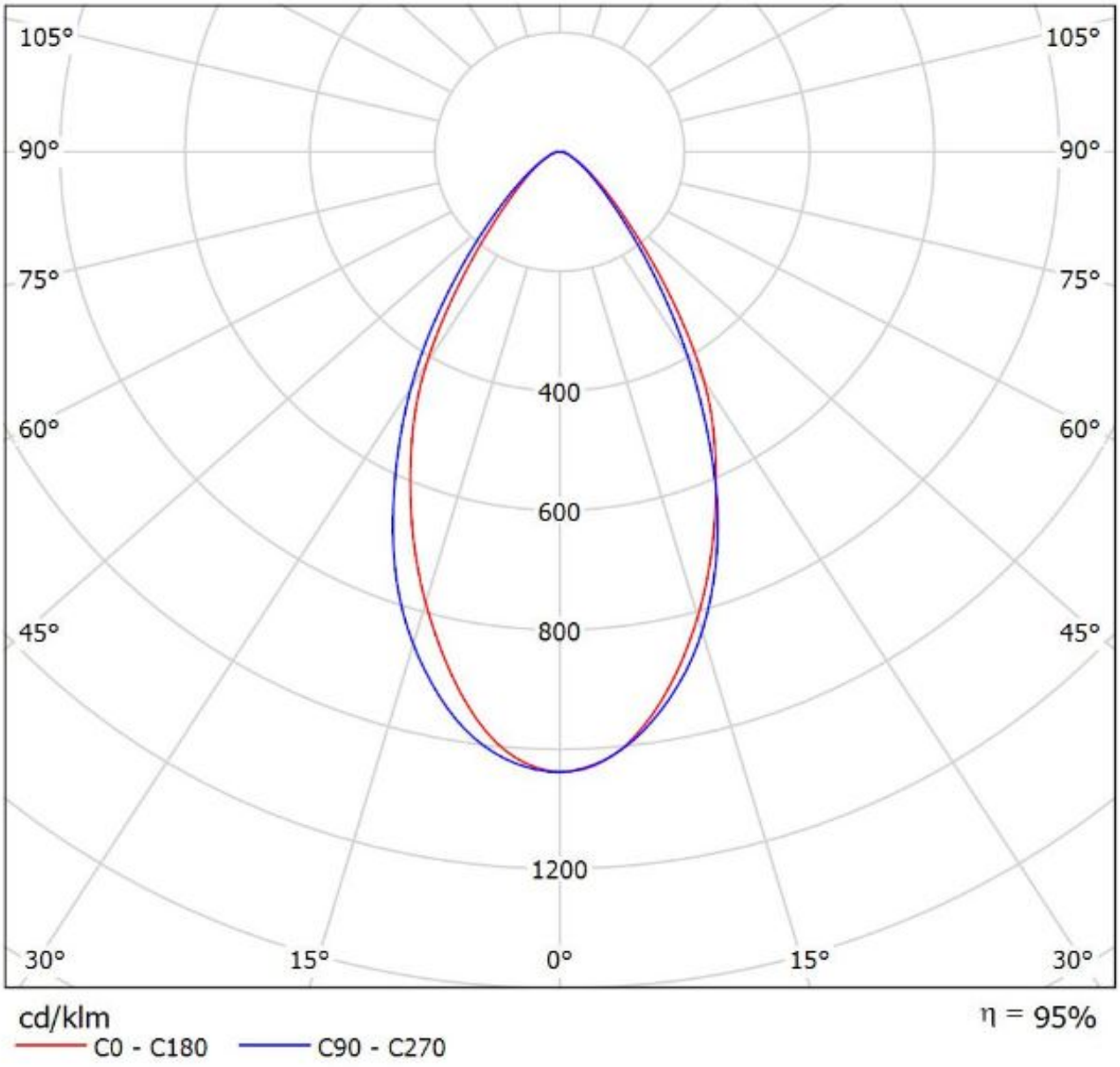


cd/klm

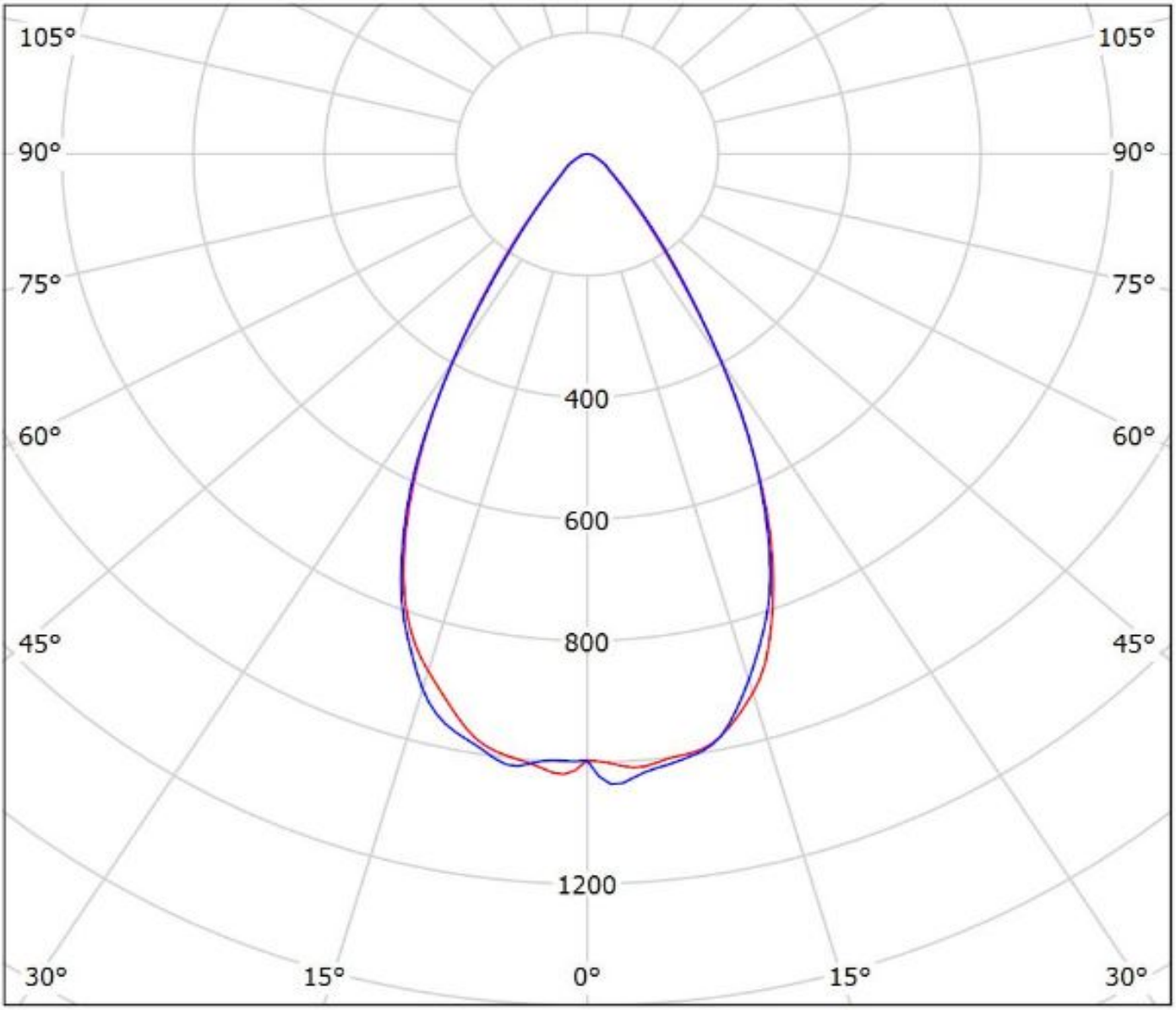
η = 96%

C0 - C180 C90 - C270

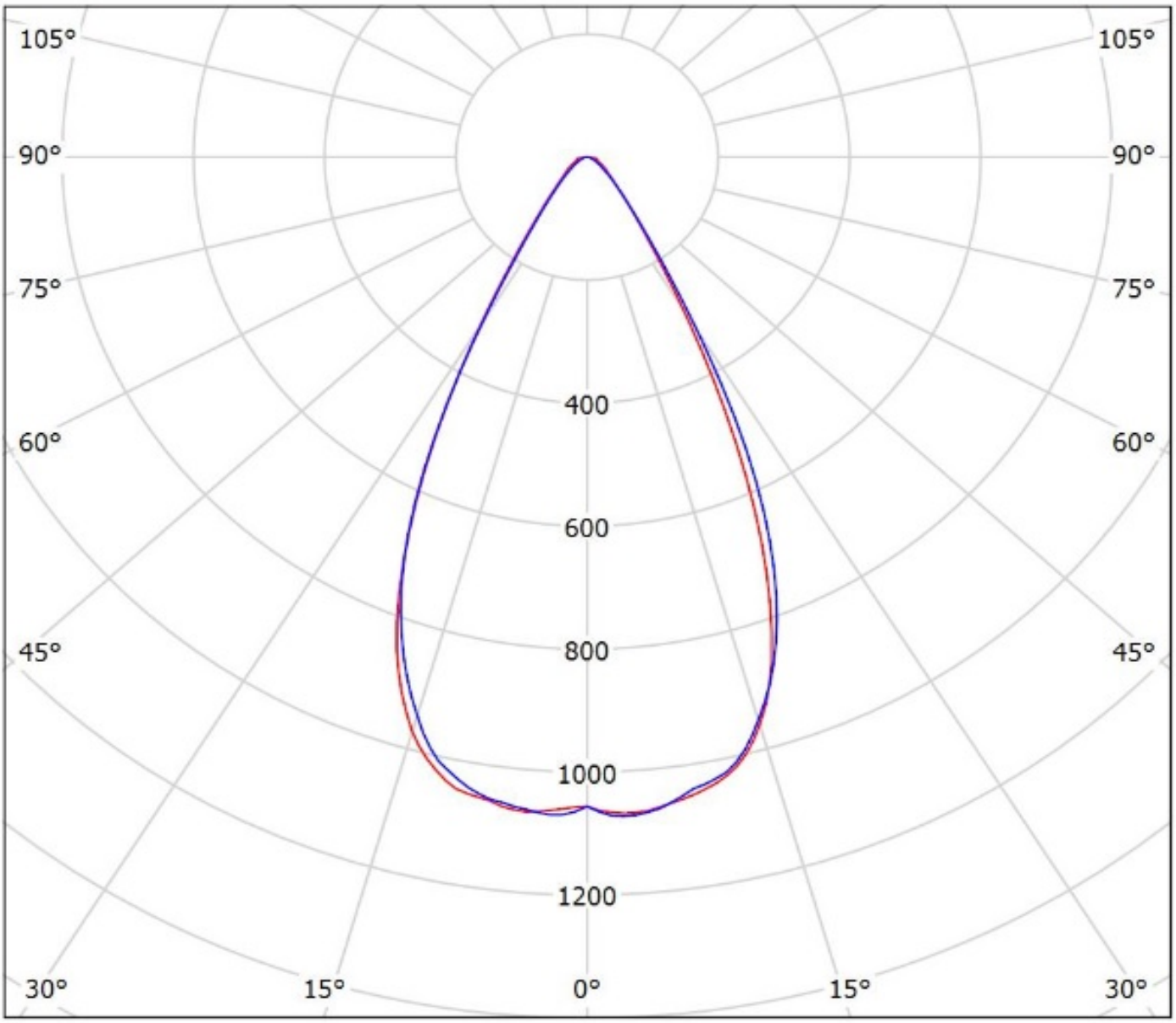
Luminaire: Ledil CS14130_HB-IP-2x6-W_(Duris_S8_2x6)
Lamps: 1 x Duris_S8_2x6_1600.71lm@150mA_P=10.21W_I=0.15A



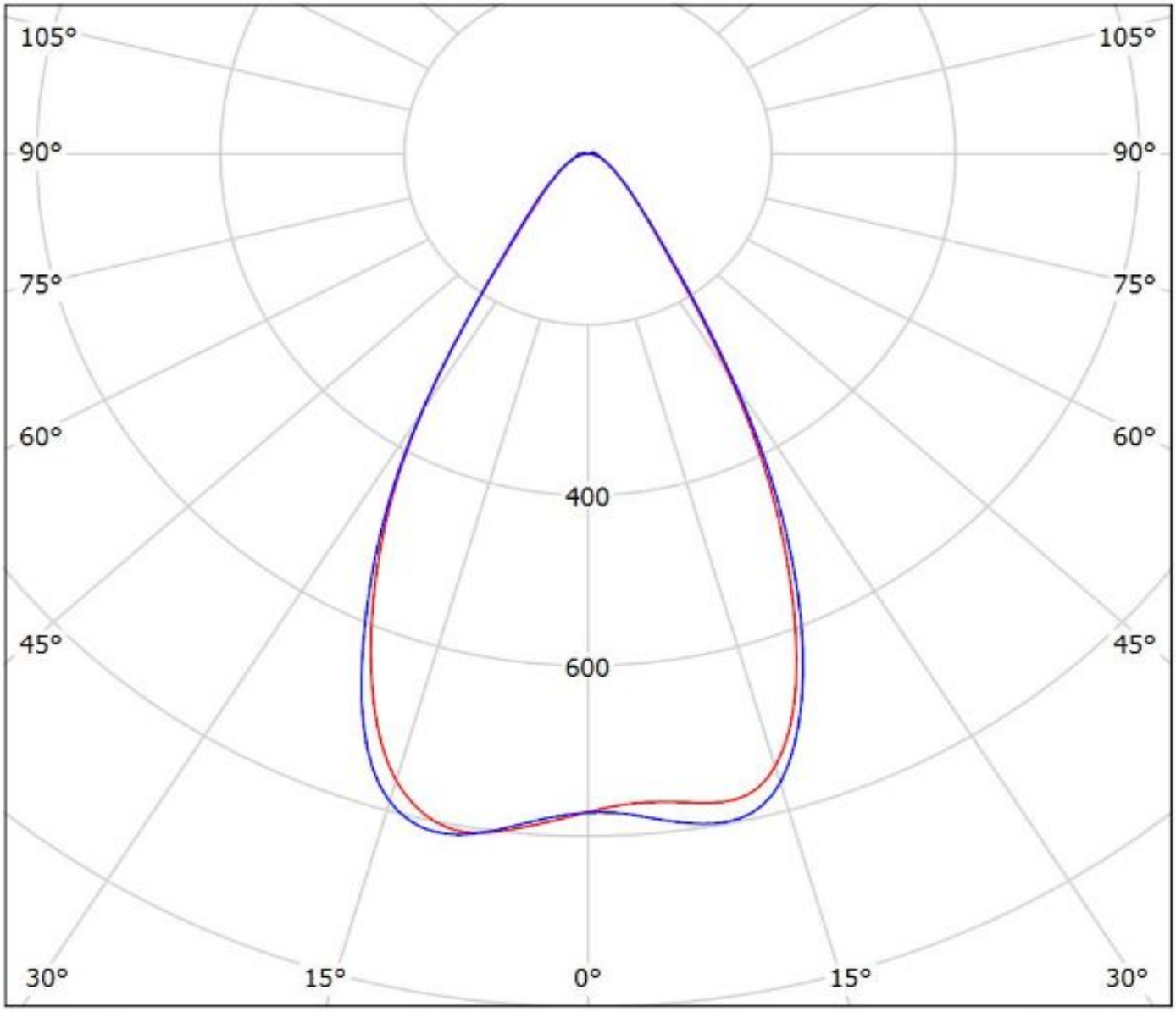
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9



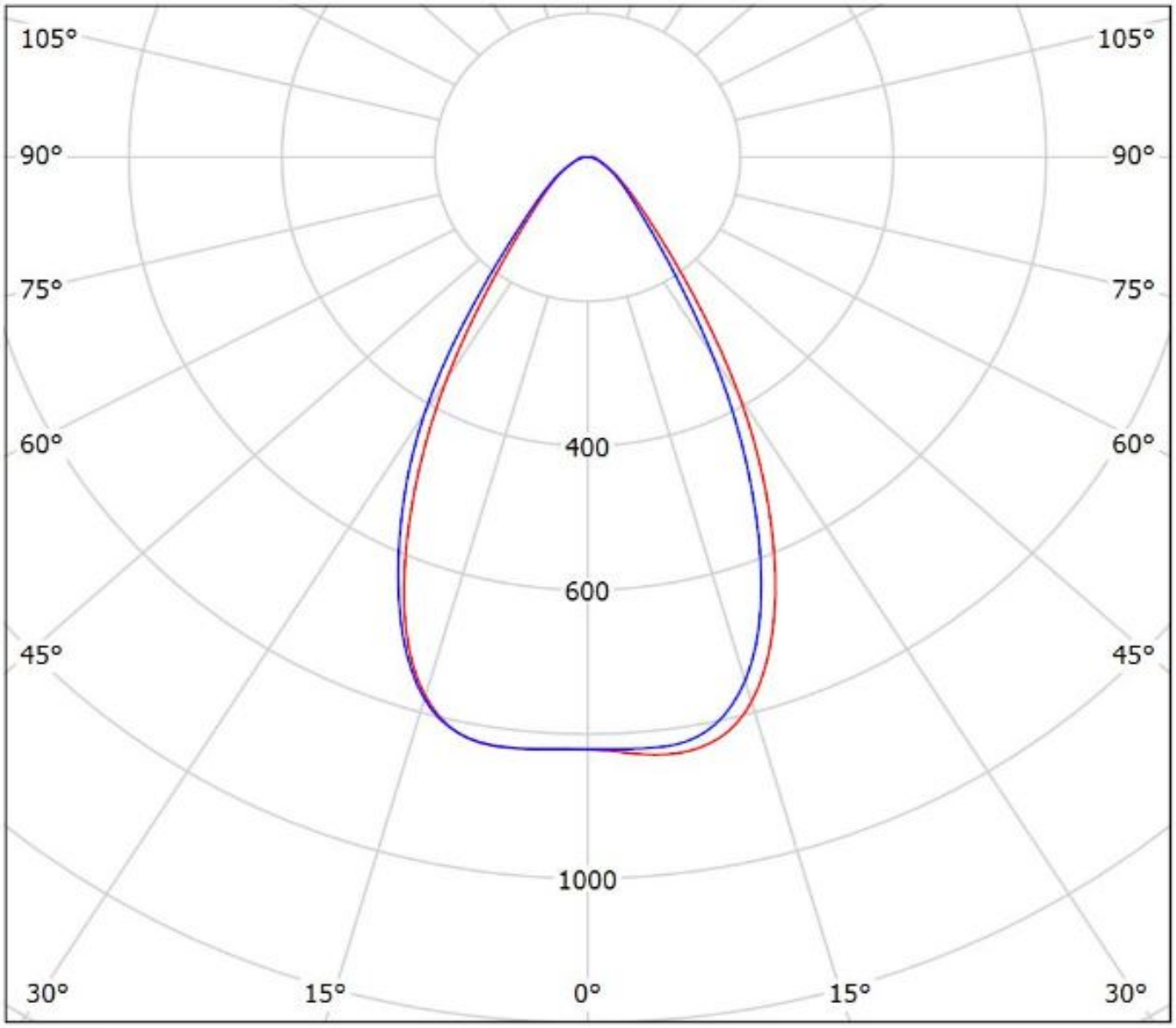
Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(Duris_P8)_SIMULATED
Lamps: 1 x Osram Duris P8 - GW PUSRA1.PM



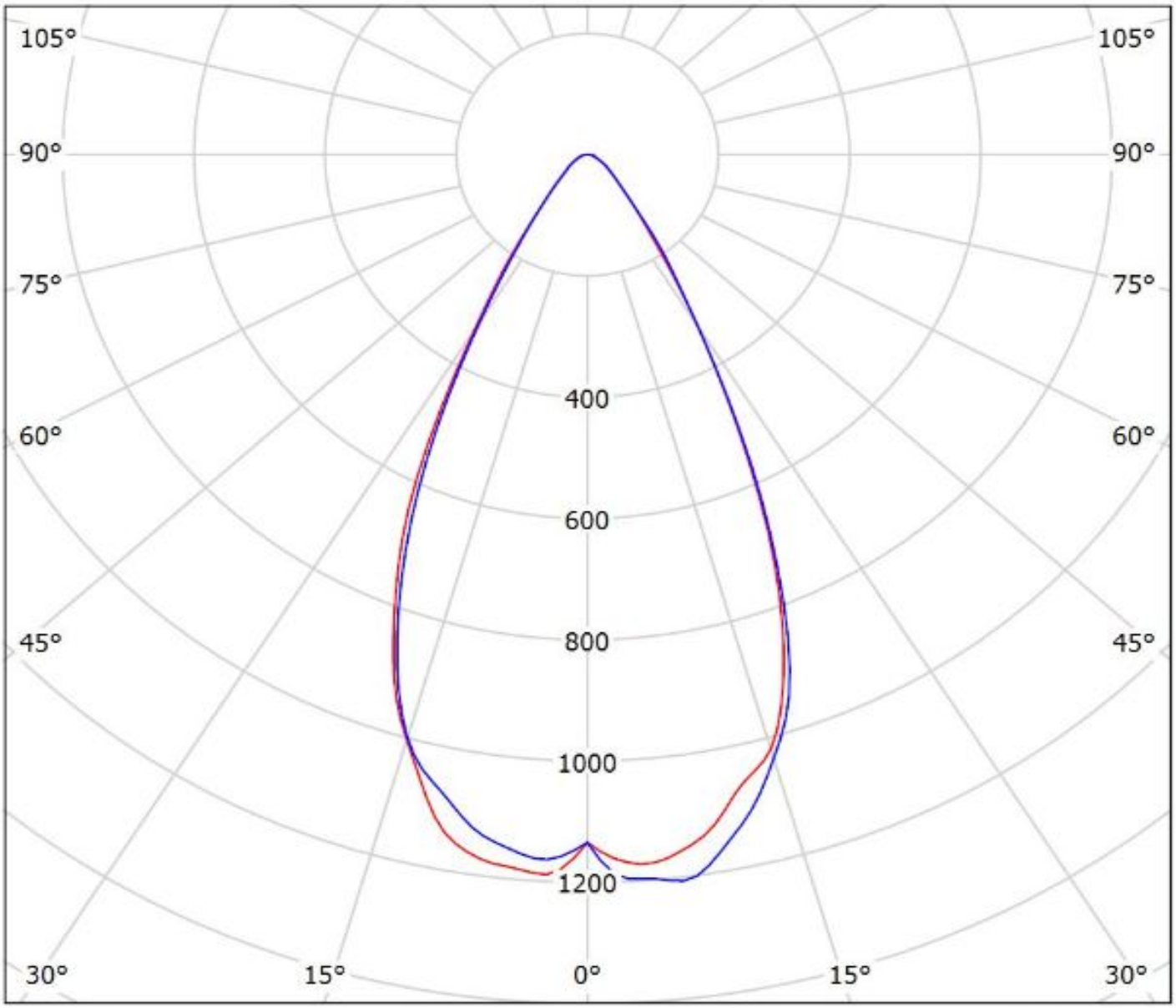
Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_Fortimo FastFlex LED board 2x6 DP G4 Eff.93.2%
Lamps: 1 x Fortimo FastFlex LED board 2x6 DP G4



Luminaire: Ledil CS14130_HB-IP-2X6-W_Fortimo FastFlex LED board 2x6 DPX G4
Lamps: 1 x Fortimo FastFlex LED board 2x6 DPX G4

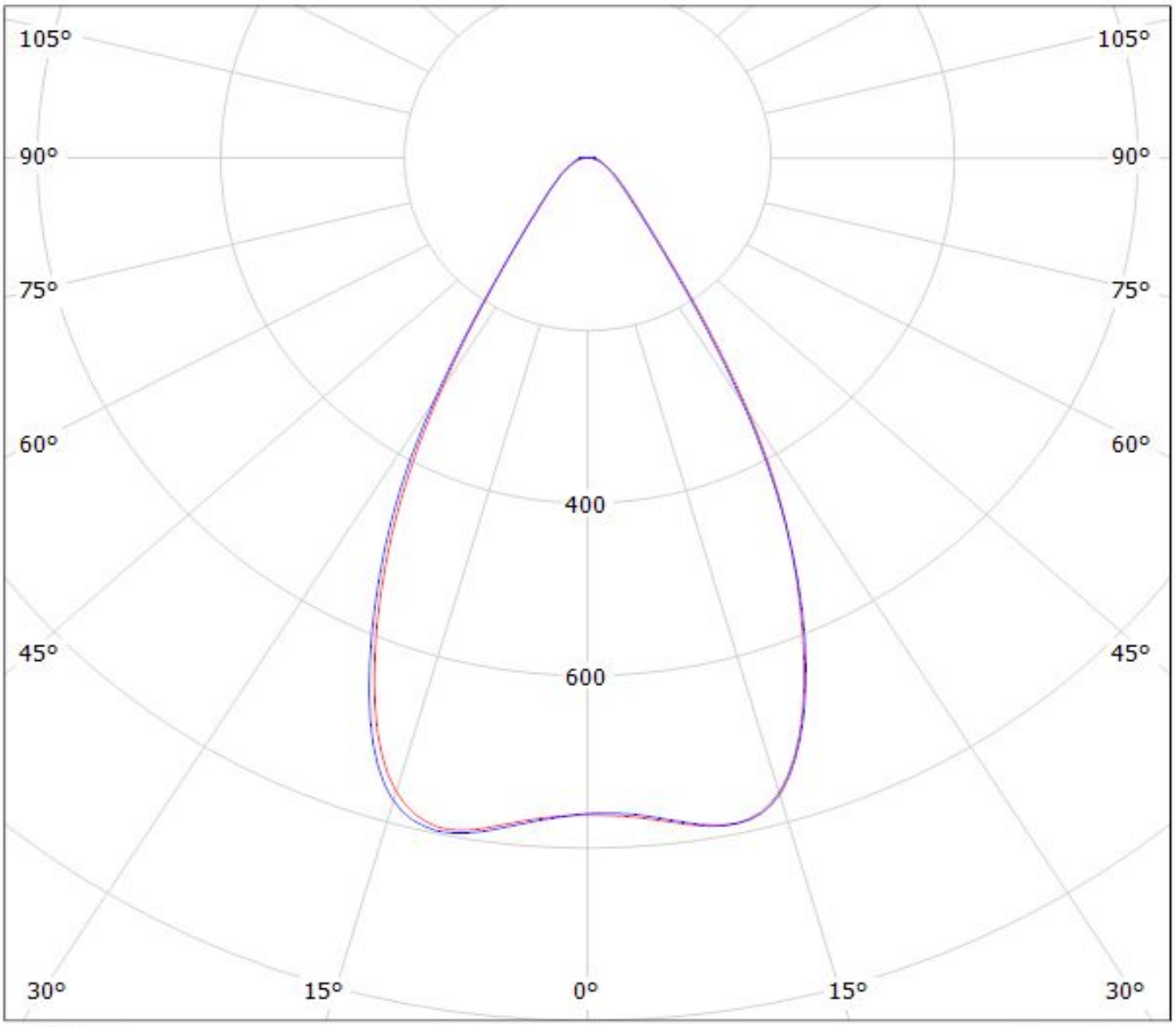


Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_(Samsung_LH181B)_SIMULATED
Lamps: 1 x Samsung_LH181B



cd/klm
η = 97%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(Z5M1) Eff.94.0%
Lamps: 1 x SEOUL_Z5M1_2x6_(SZ5-M1-WW-C8)_1177.2lm@250mA_P=8.5619W_I=249.8mA

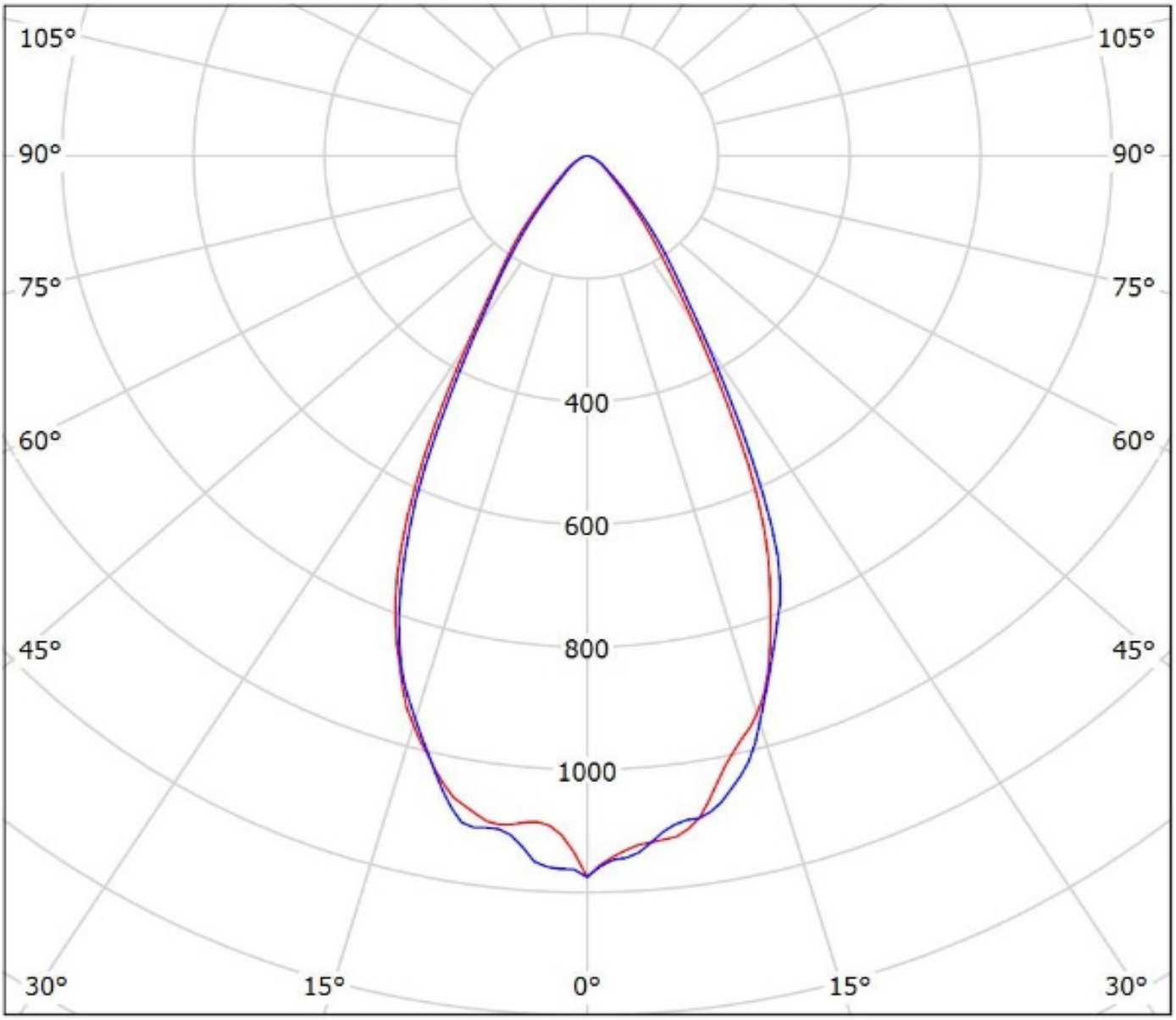


cd/klm

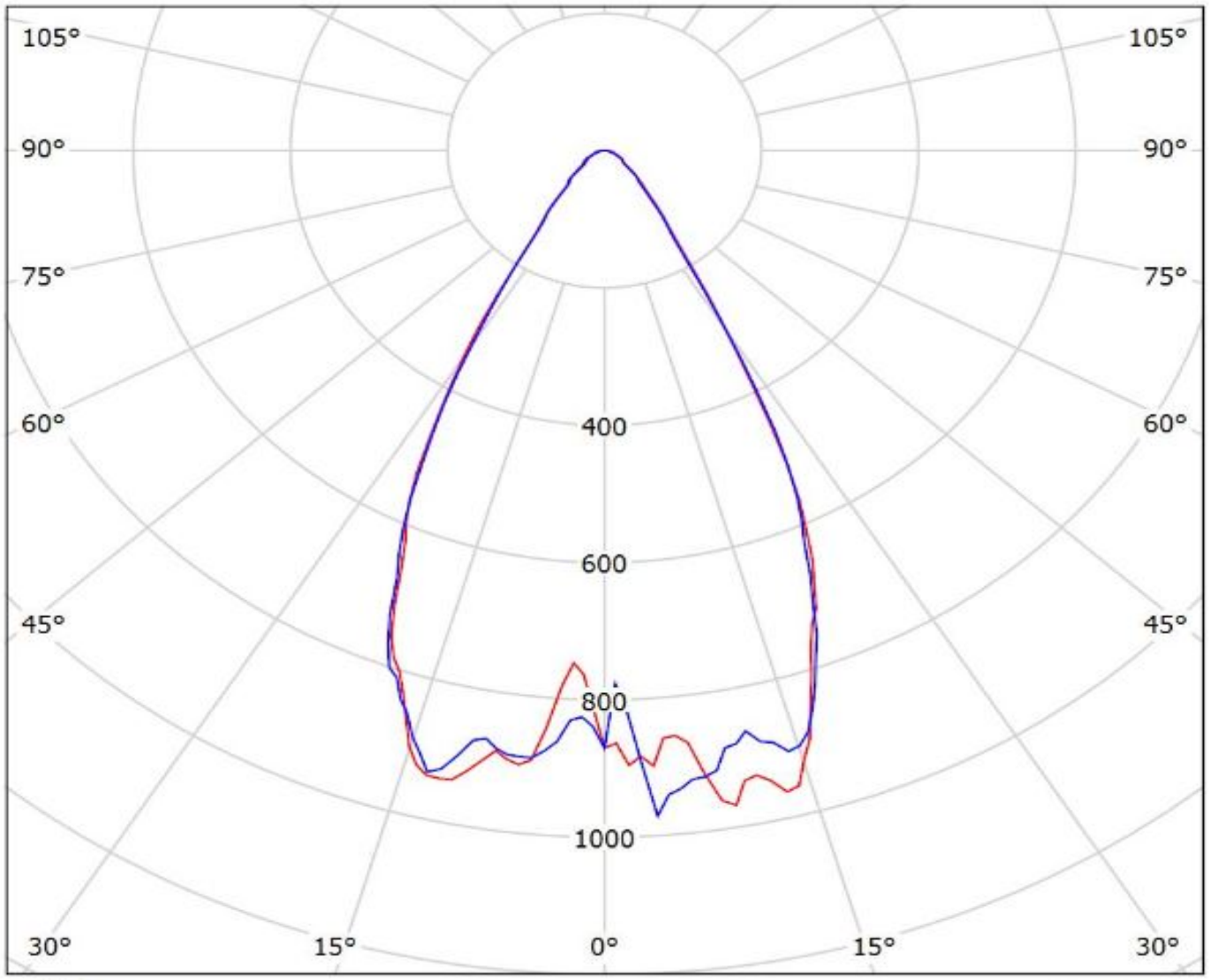
η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CS14130_HB-IP-2X6-W_MJT4040_SIMULATED
Lamps: 1 x

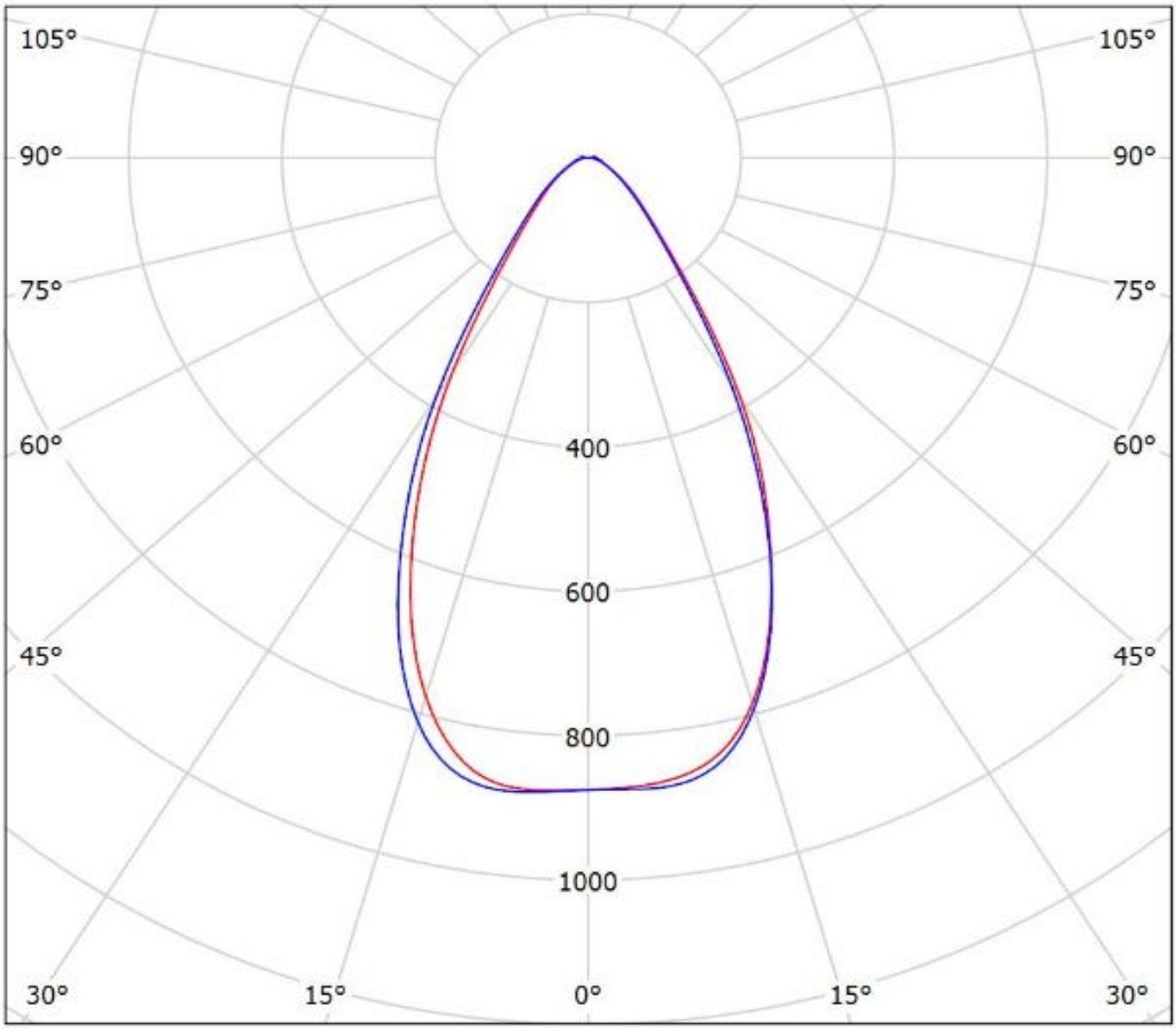


Luminaire: Ledil Oy CS14130HB-IP-2X6-W
Lamps: 1 x SEOUL_Z5M

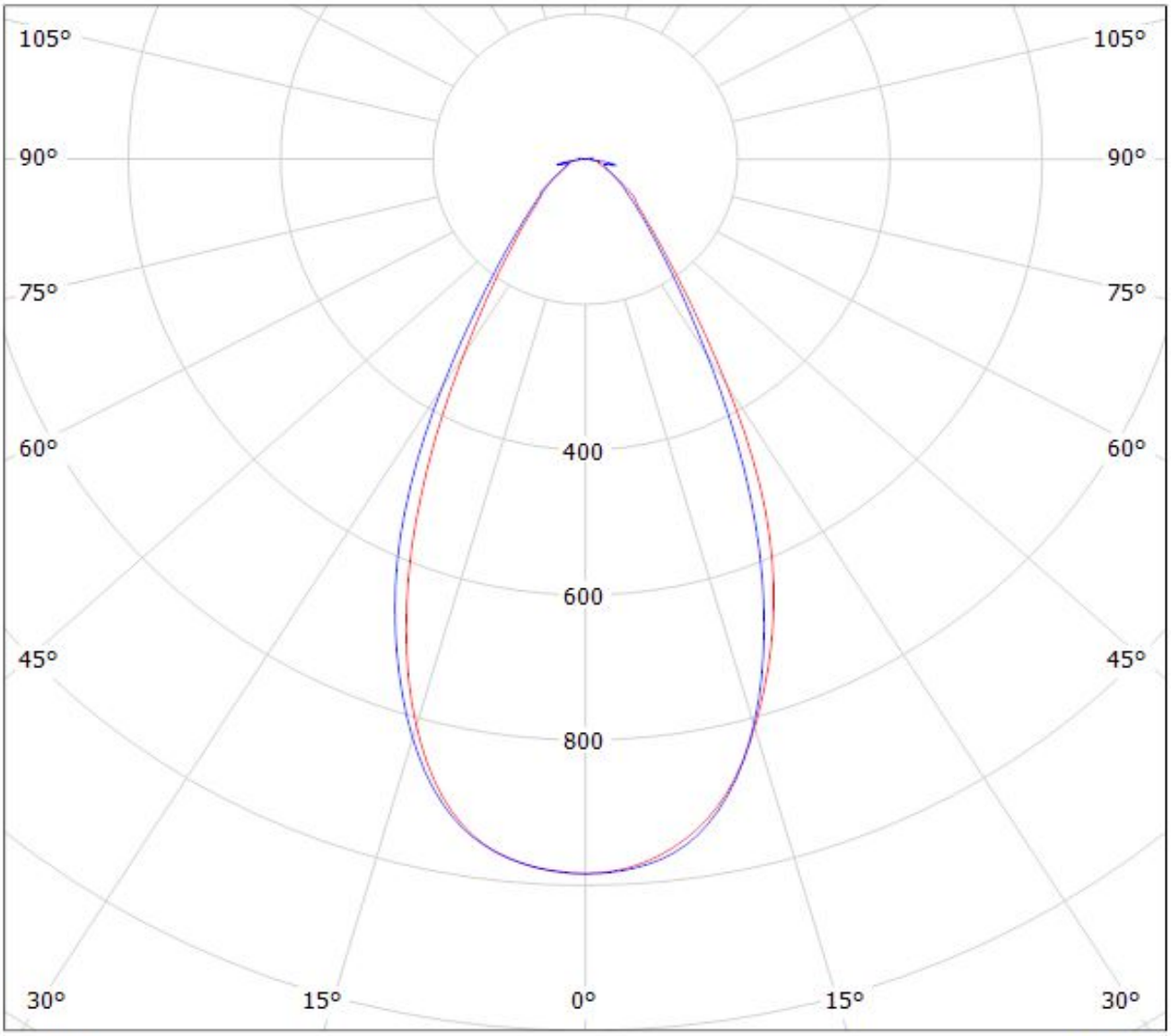


cd/klm
η = 95%
C0 - C180
C90 - C270

Luminaire: Ledil CS14130_HB-IP-2X6-W_(Z8Y22_PLUS)
Lamps: 1 x Seoul_Z8Y22_PLUS_2X6_(SZ8-Y22-W0-C7P)1489.65lm@250mA_P=8.30675W_I=0.250A



Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(SMJQ-D36W12Mx)
Lamps: 1 x Seoul_SMJQ-D36W12Mx_3765.02@700mA_P=23.6218W_I=0.25A

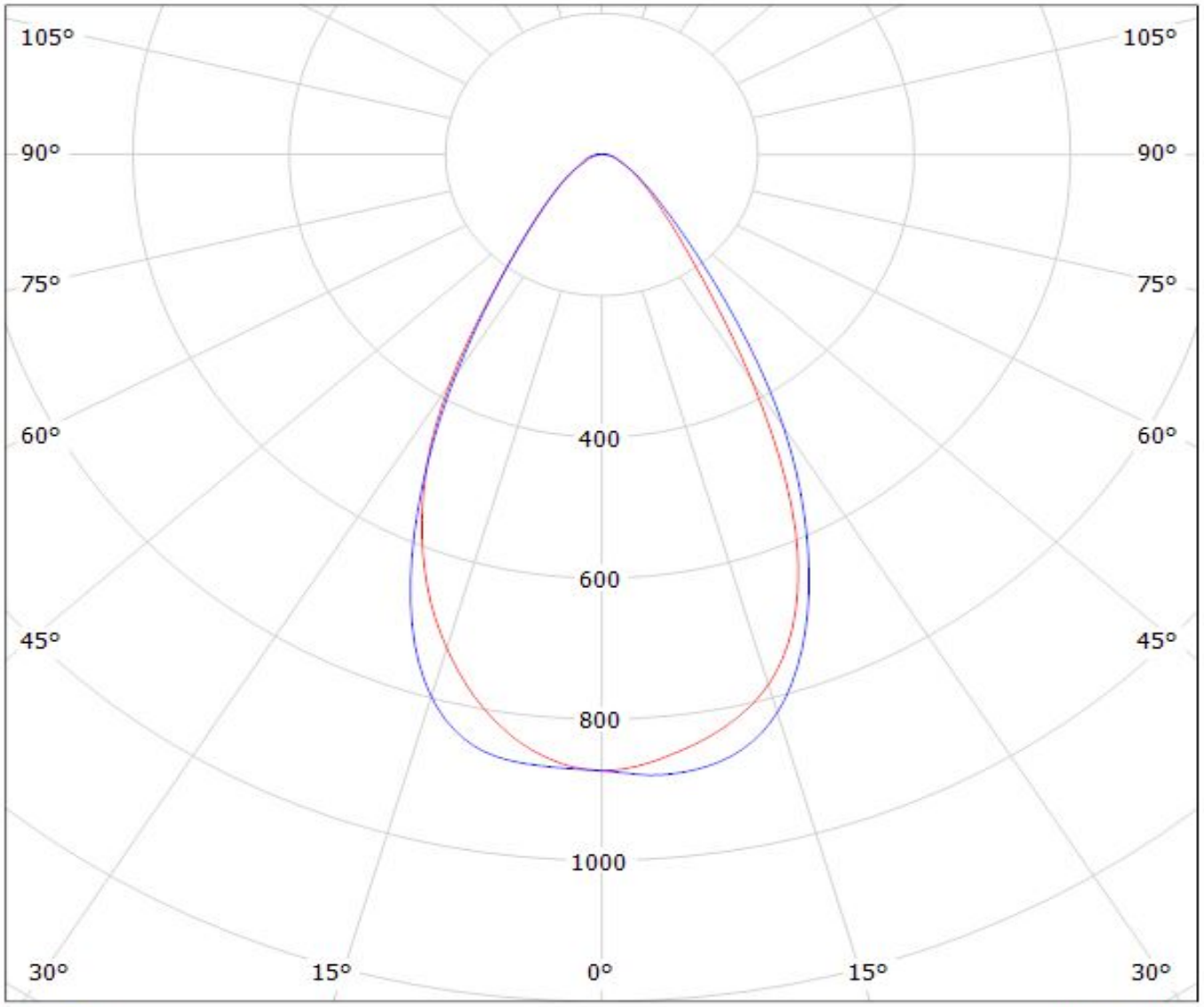


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CS14130_HB-IP-2X6-W_(SMJQ-D36W12Px)
Lamps: 1 x Seoul_SMJQ-D36W12Px_1404.92lm@250mA_P=8.22866W_I=0.25A

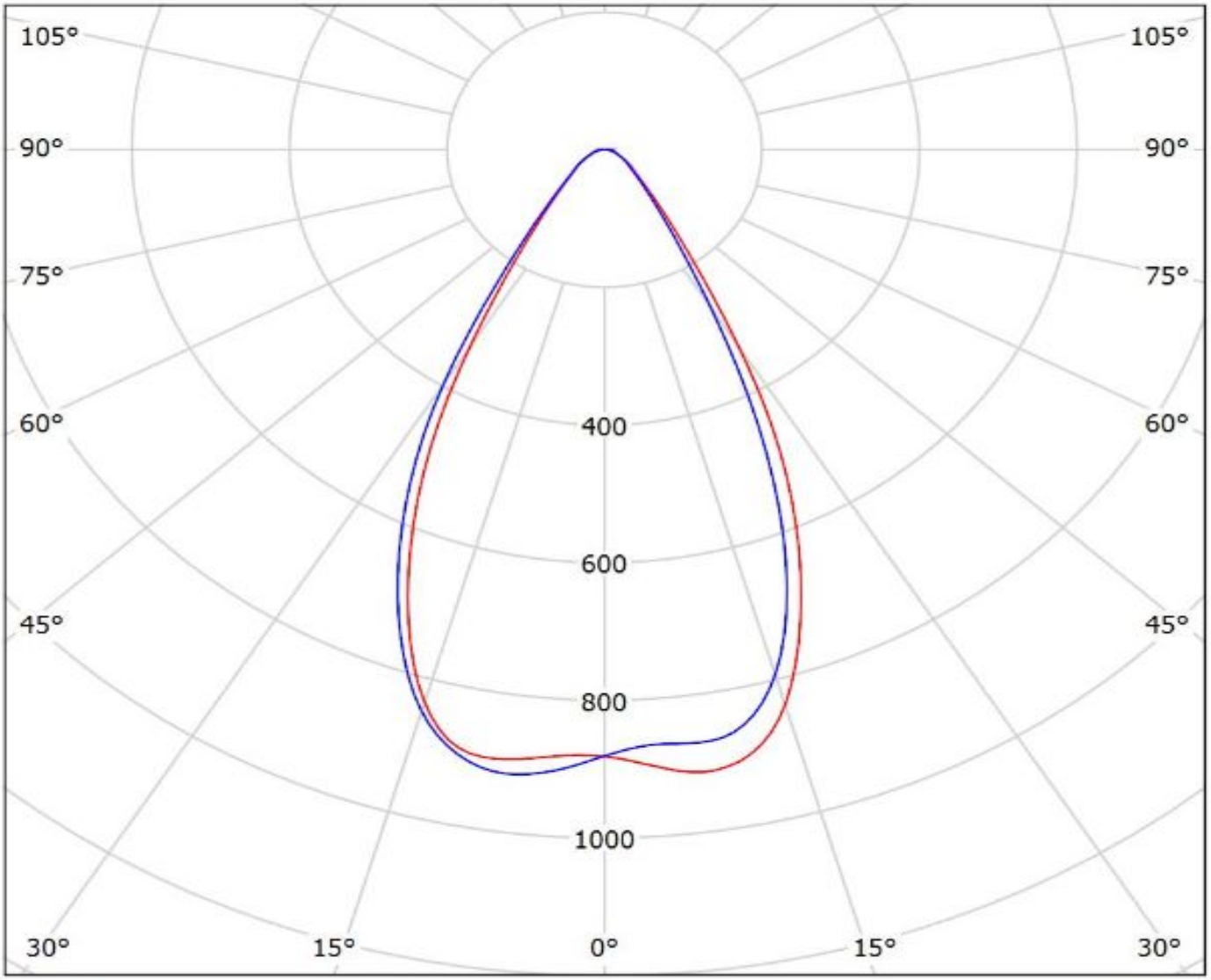


cd/klm

η = 95%

C0 - C180 C90 - C270

Luminaire: Ledil CS14130_HB-IP-2X6-W_(TL1L4)
Lamps: 1 x Toshiba_TL1L4_2x6_(TL1L4-DW0)_1263.19lm@250mA_CCT=6500K_P=8.5W_I=0.25A



cd/klm
η = 95%
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.