

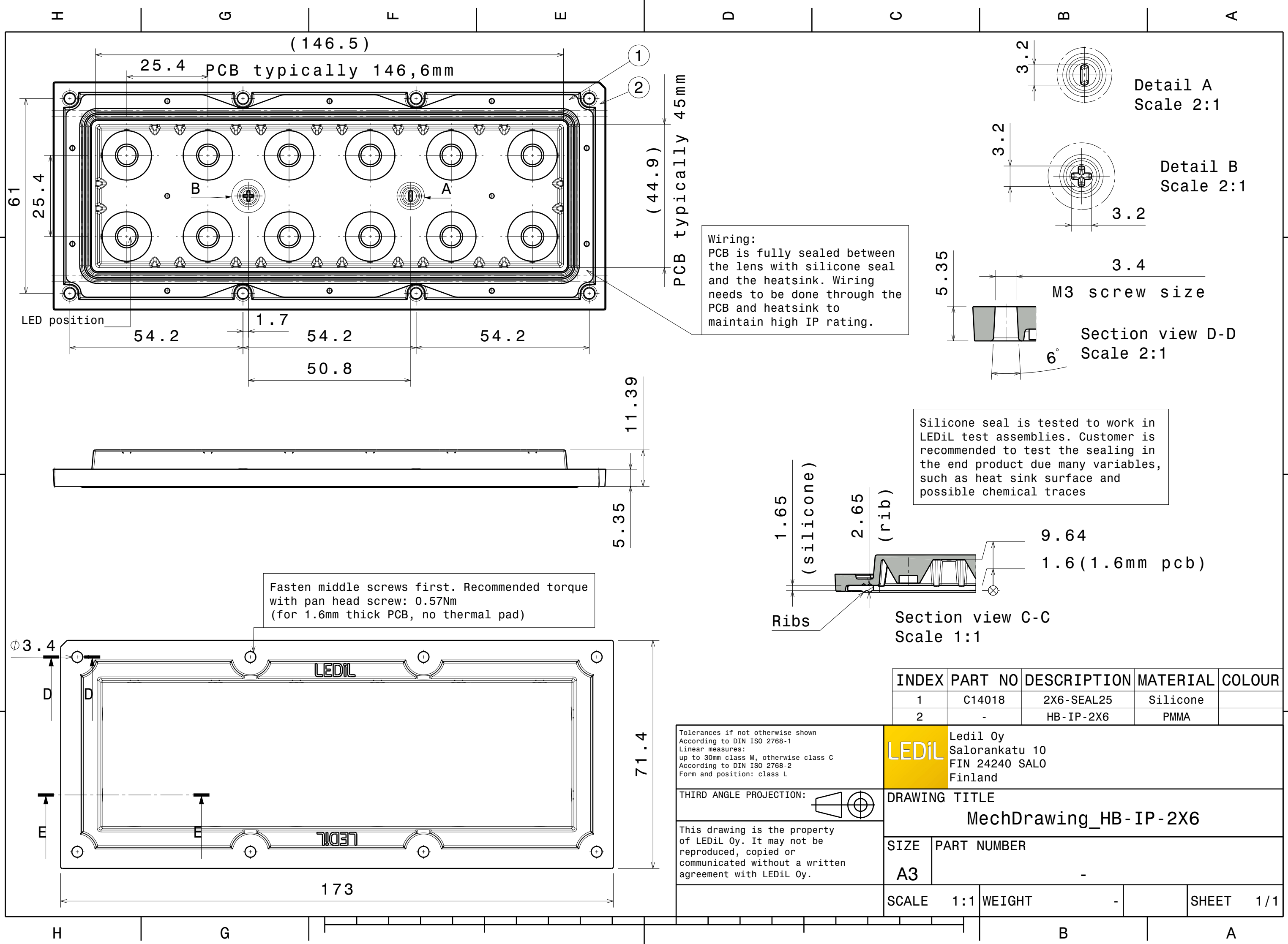
DETAILS

Product Number	CS14891_HB-IP-2X6-M
Family	HighBay
Type	Assembly
Color	clear
Diameter	173 + 71,4 mm
Height	11,39 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	pin, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	24/05/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XM-L	27 deg	Medium	94 %	3.100	-
XP-G3	32 deg	Medium	94 %	2.400	-
XP-L	39 deg	Medium	94 %	1.700	-
XP-L2	39 deg	Medium	94 %	1.700	-
XT-E	25 deg	Medium	92 %	3.100	-
XP-E	sim: 28	Medium	sim: 94 %	sim: 2.810	-
H35C1 (LEMWA33)	sim: 35	Medium	sim: 94 %	sim: 2.100	-
LUXEON XR-TX (L2T0-xyy012M)	28 deg	Medium	94 %	2.950	-
LUXEON T	29 deg	Medium	94 %	2.700	-
LUXEON 5050	sim: 37	Medium	sim: 93 %	sim: 1.980	-
LUXEON V	35 deg	Medium	93 %	2.100	-
NVSxE21A	24 deg	Medium	92 %	4.100	-
NVSxx19B/NVSxx19C	31 deg	Medium	93 %	2.500	-
Oslon Square PC	29 deg	Medium	93 %	2.690	-
OSCONIQ P 3737 (3W version)	sim: 26	Medium	sim: 94 %	sim: 3.680	-
Oslon Square Gen3	sim: 27	Medium	sim: 94 %	sim: 2.990	-
Fortimo FastFlex LED board 2x6 DPX G432 deg		Medium	94 %	2.400	-
Fortimo FastFlex LED board 2x6 DP G4	sim: 26	Medium	sim: 94 %	sim: 3.950	-
LH181B	sim: 27	Medium	sim: 94 %	sim: 3.400	-
Z5M1/Z5M2	30 deg	Medium	93 %	2.630	-
Z8Y22P	30 deg	Medium	93 %	2.500	-
SMJQ-D36W12Mx	26 deg	Medium	91 %	2.800	-
SMJQ-D36W12Px	29 deg	Medium	94 %	2.700	-
Z8Y22	26 deg	Medium	91 %	2.800	-



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

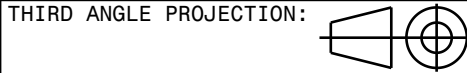
Silicone seal is tested to work in LEDiL test assemblies. Customer is recommended to test the sealing in the end product due many variables, such as heat sink surface and possible chemical traces

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14018	2X6-SEAL25	Silicone	
2	-	HB-IP-2X6	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

LEDiL

LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

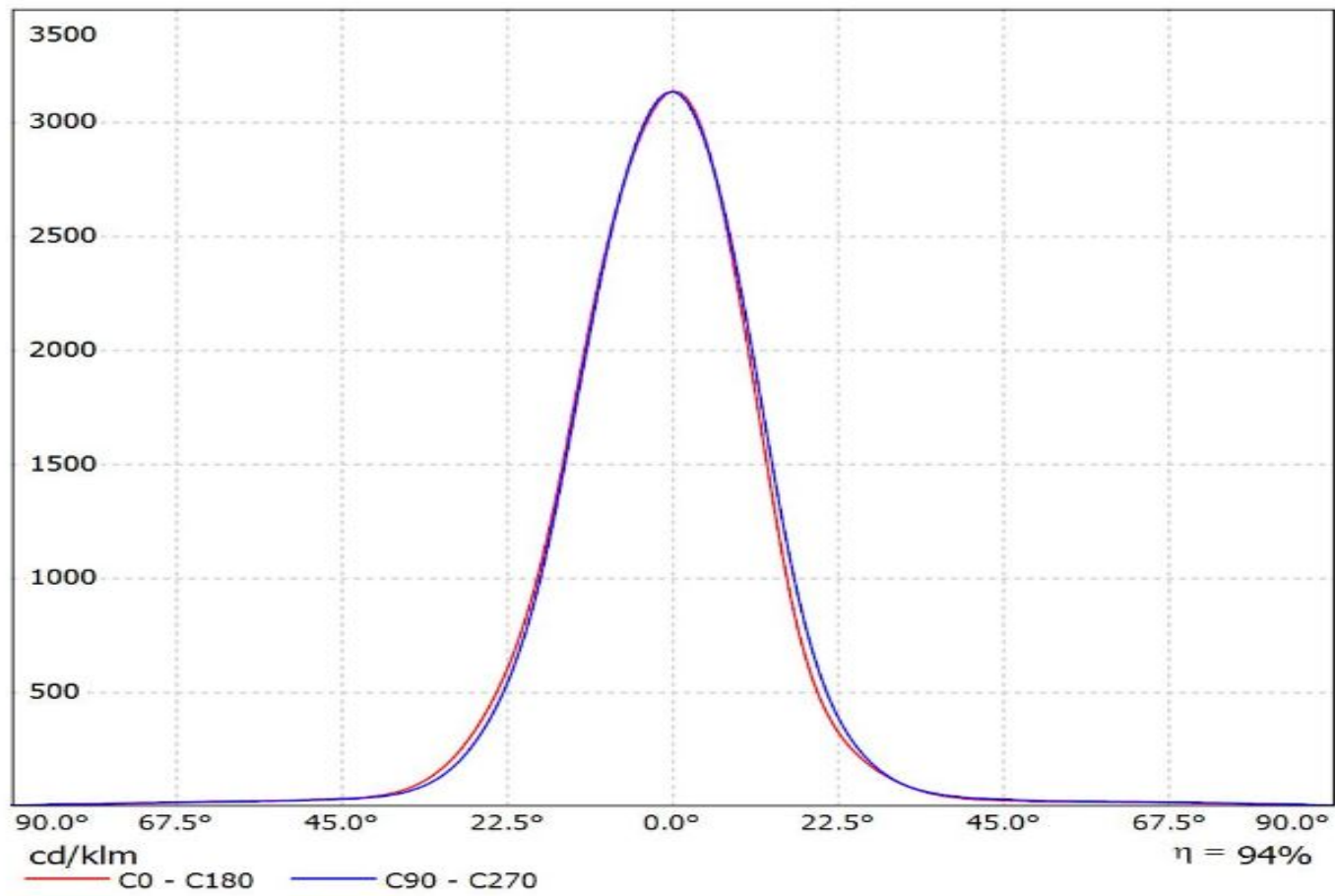


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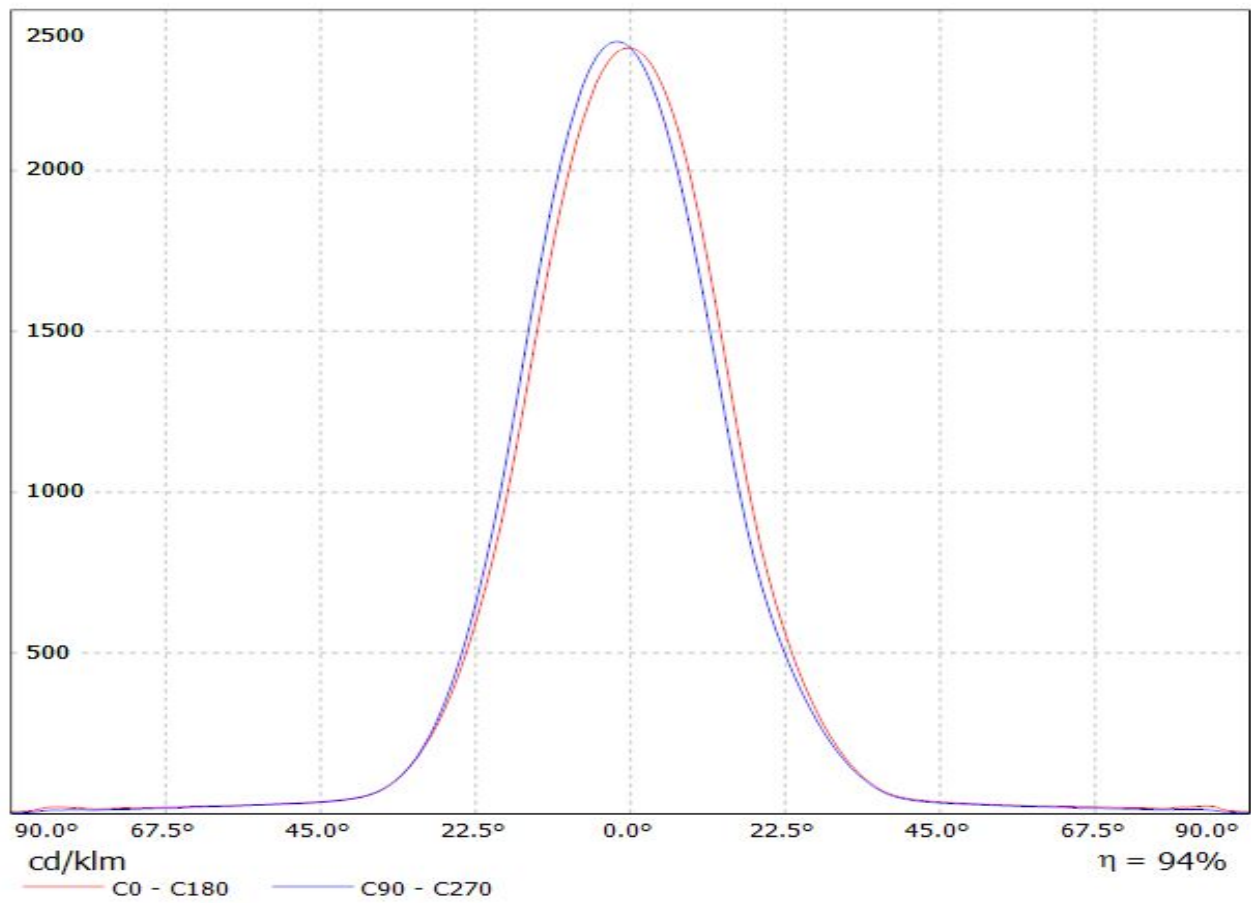
DRAWING TITLE
MechDrawing_HB-IP-2X6

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

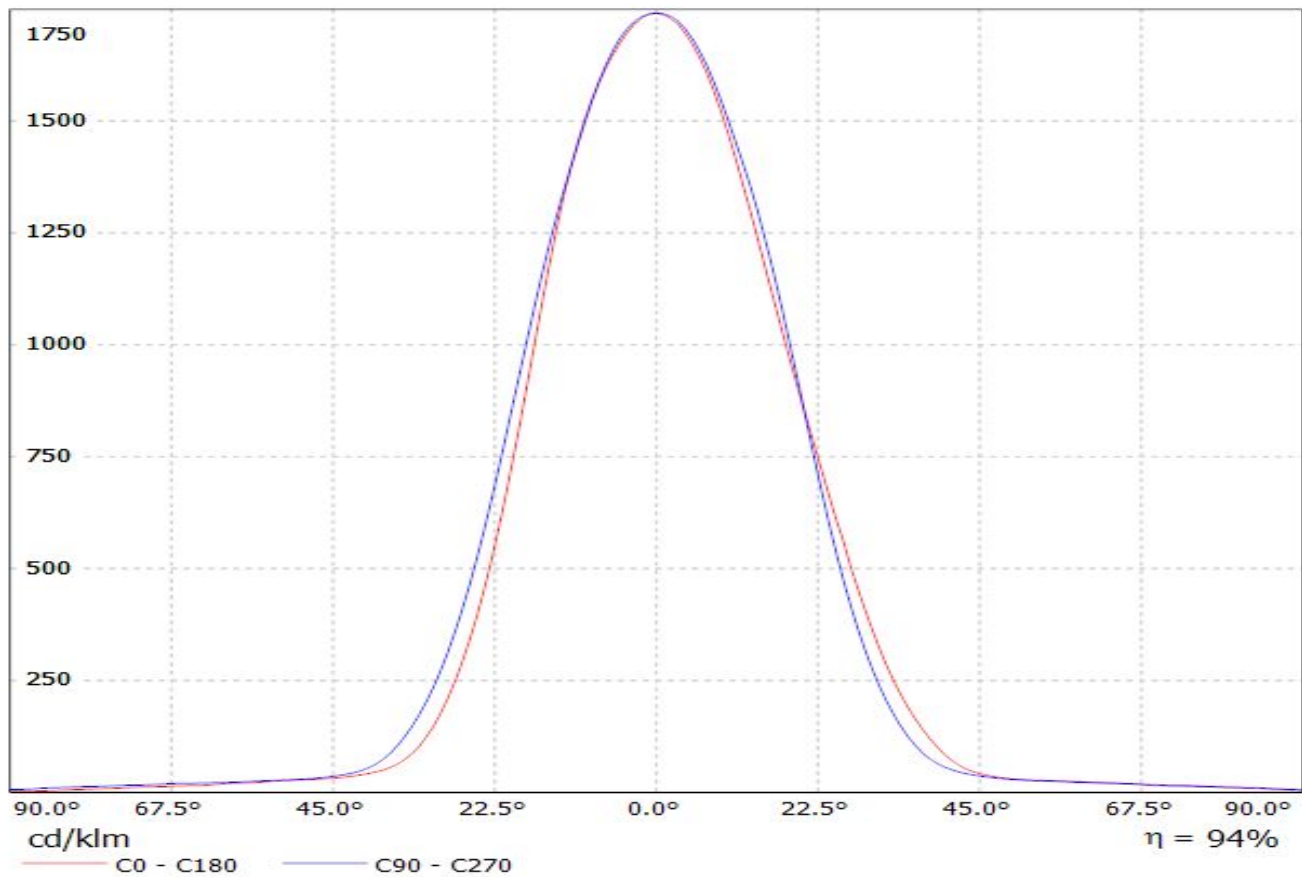
Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(XM-L)_Cav1
Lamps: 1 x Cree_XM-L_(XMLAWT-00-0000-000LT2OE7)_985.421lm@250mA_P=8.11375W_I=0.2499A



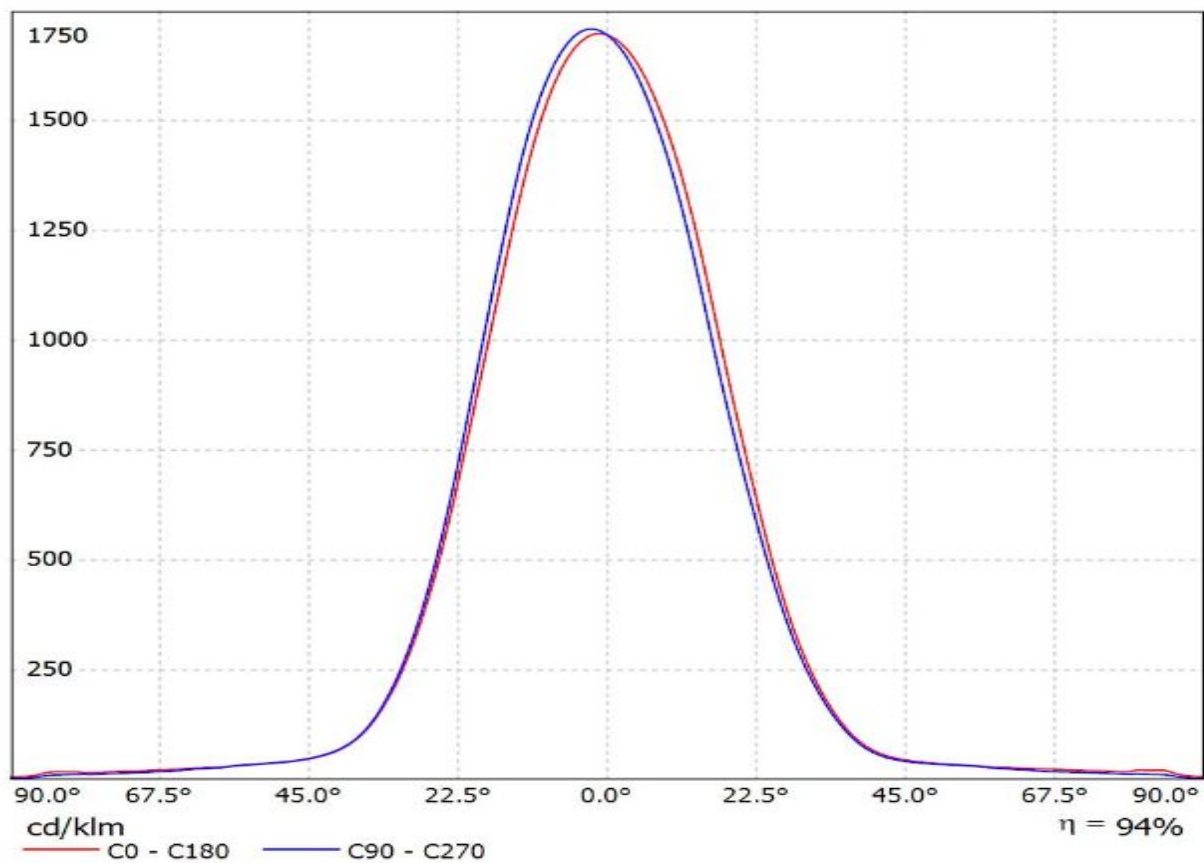
Luminaire: Ledil CS14891_HB-IP-2X6-M_(XP-G3)
Lamps: 1 x Cree_XP-G3_6x2_(XPGDWT-B1-6C1-S3-0-01)_1521.26lm@250mA_P=8.253W_I=0.25A



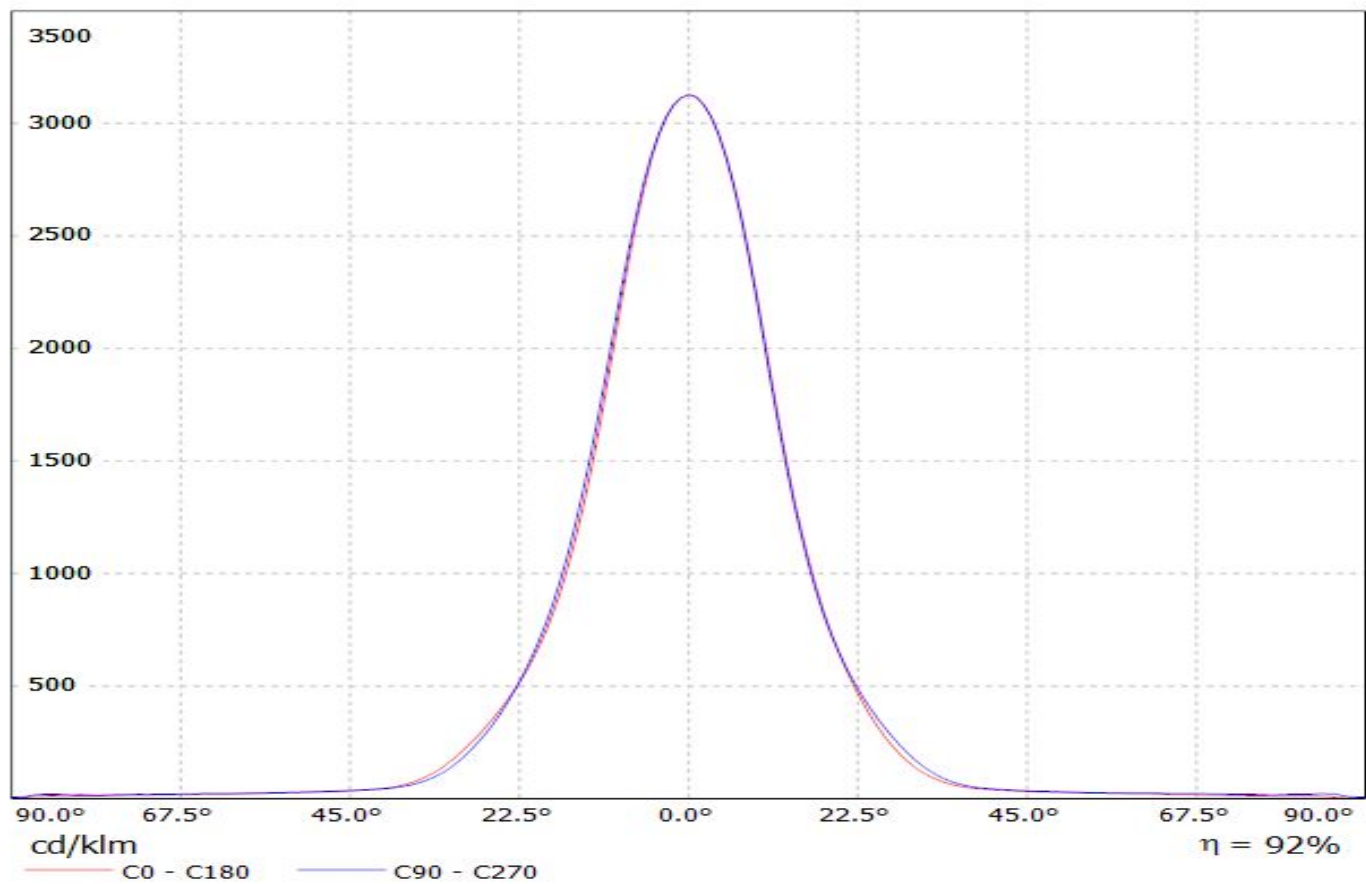
Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(XP-L)
Lamps: 1 x Cree_XP-L_(XPLAWT-0-7A3-U50-0H-0001)_1258.85lm@250mA_P=8.27562W_I=0.250A



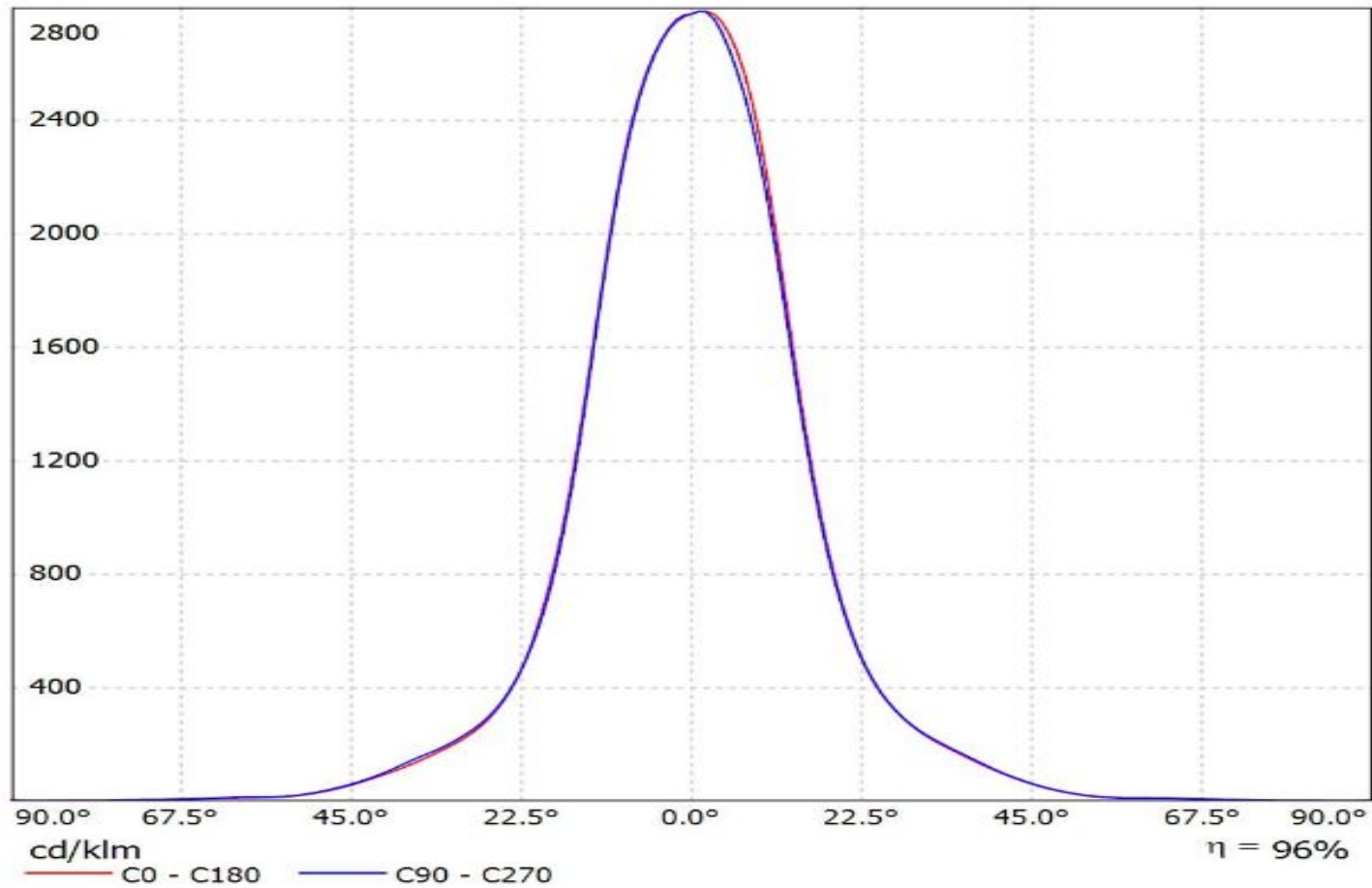
Luminaire: Ledil CS14891_HB-2X6-M_(XP-L2)
Lamps: 1 x Cree_XP-L2_2x6_1659.4lm@250mA_P=8.22525W_I=0.25A



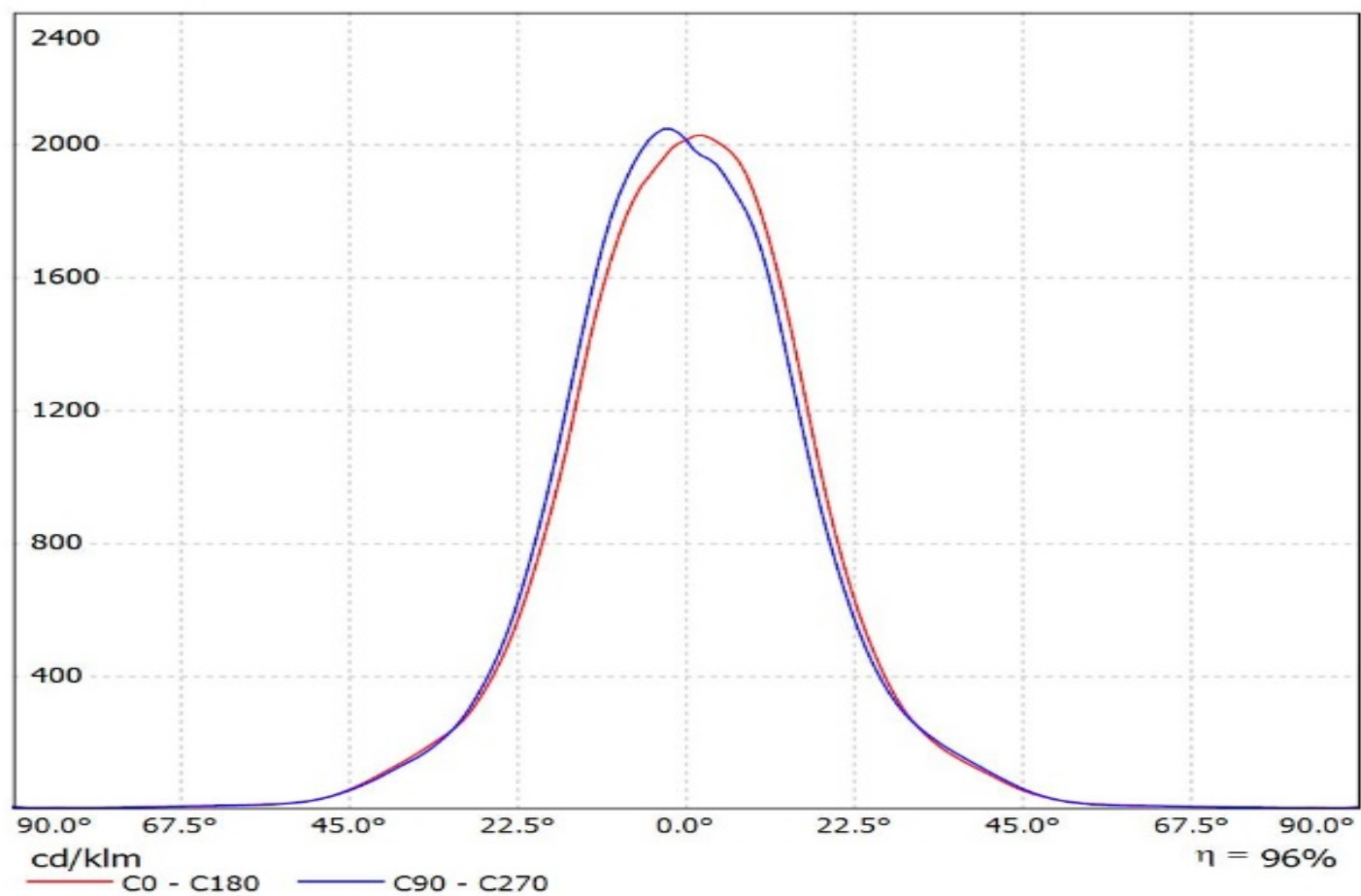
Luminaire: Ledil CS14891_HB-IP-2X6-M_(XT-E)
Lamps: 1 x Cree_XT-E_1280.48lm@250mA_P=8.94575W_I=0.250A



Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(XP-E)_SIMULATED
Lamps: 1 x Cree XP-E

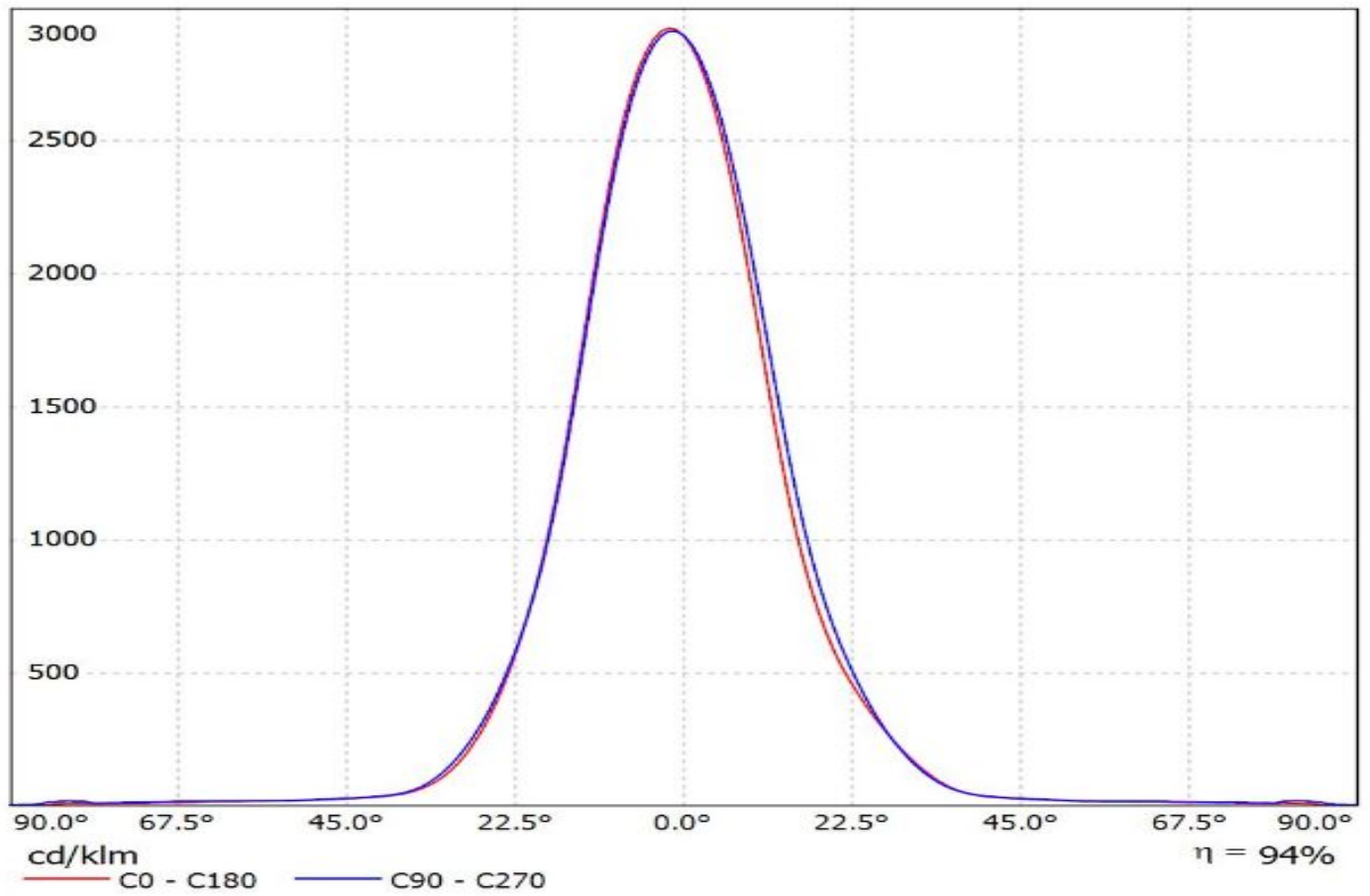


Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1

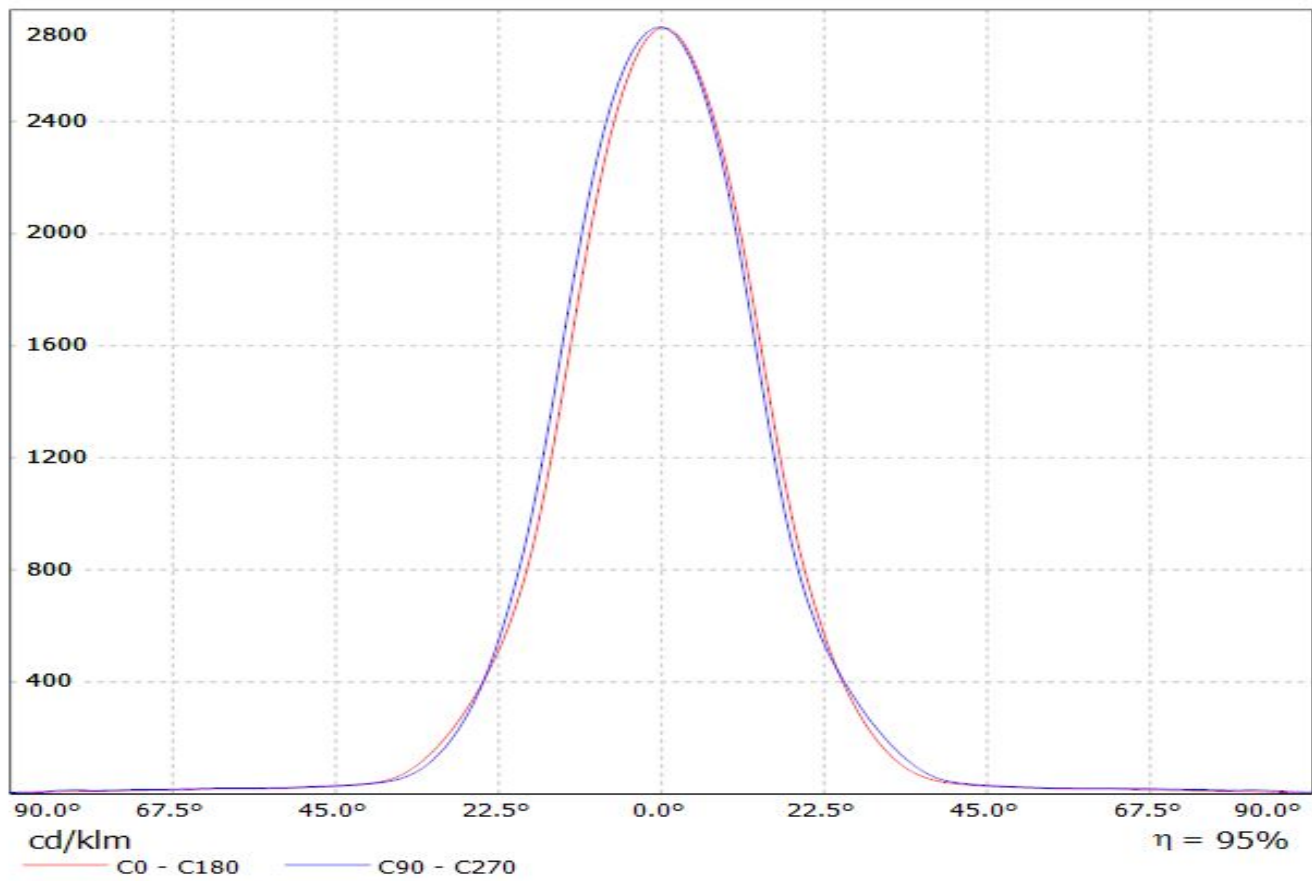


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Luxeon_XR-TX)

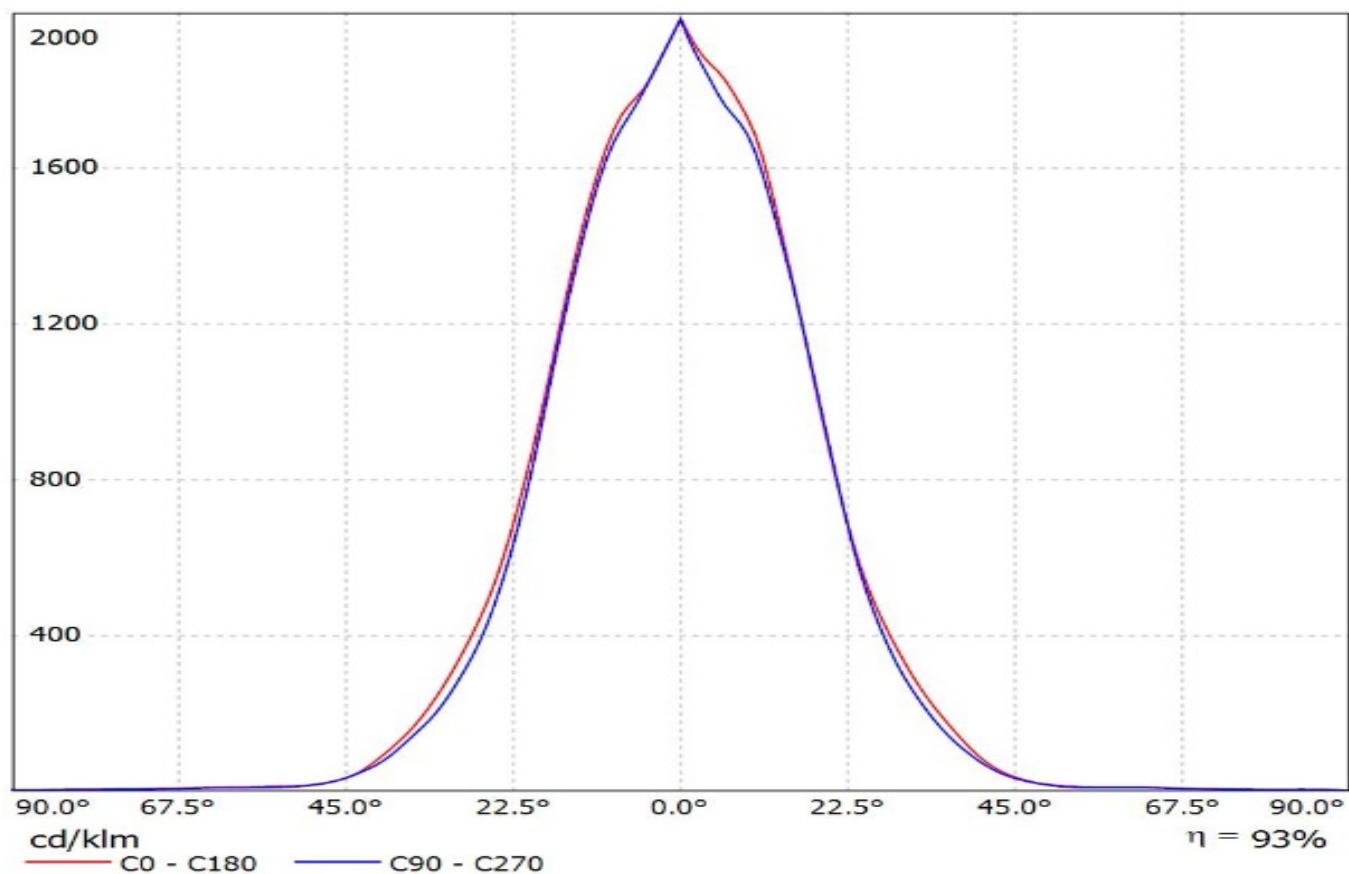
Lamps: 1 x Luxeon_XR-TX_2x6_1376.06lm@250mA_P=8.3883W_I=0.25A



Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(Luxeon_T)
Lamps: 1 x Luxeon_T_(LXH8-FW30)_1040.41lm@250mA_P=8.49754W_I=0.250A

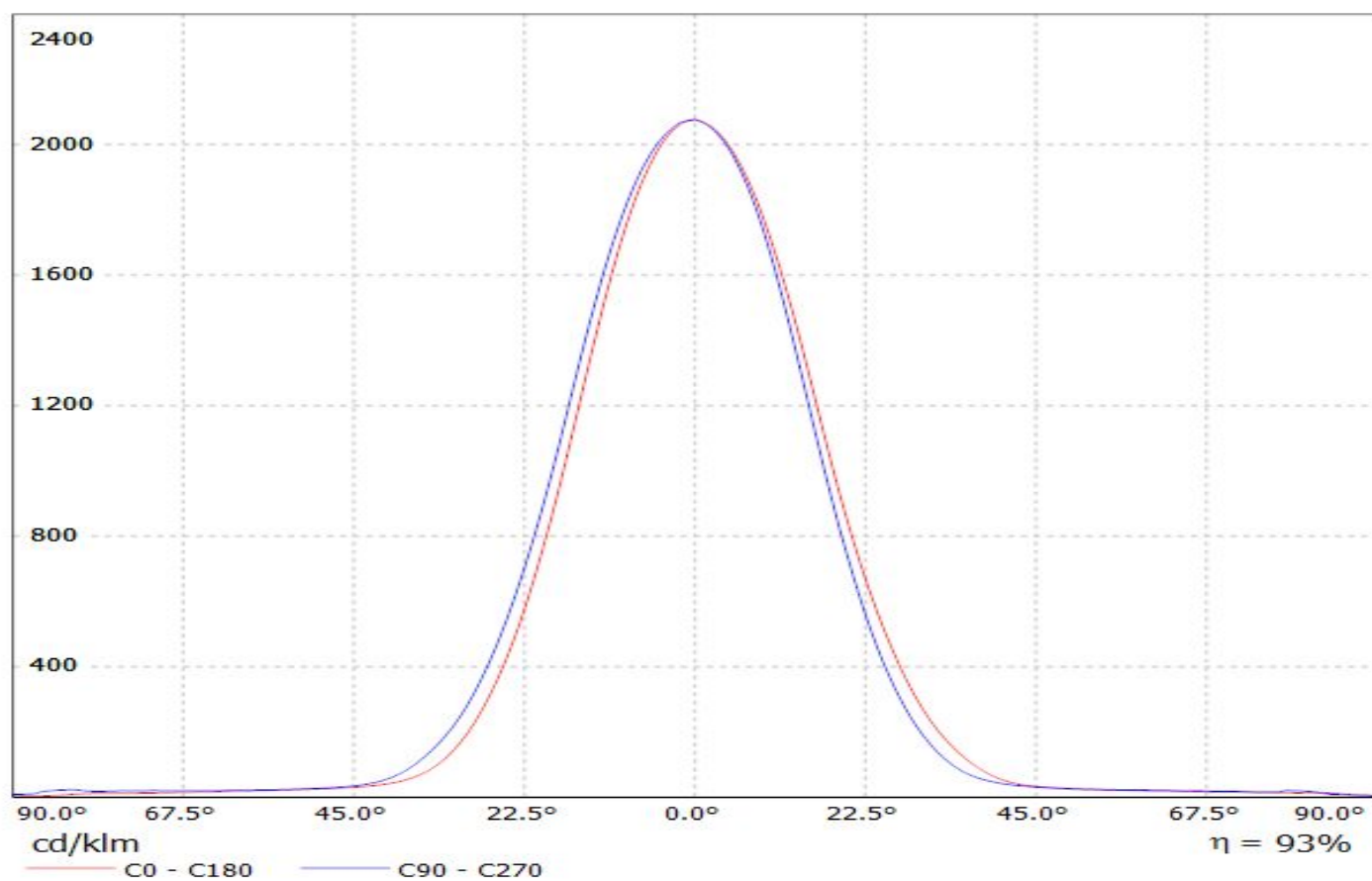


Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_LUXEON-5050_SIMULATED
Lamps: 1 x Lumileds Luxeon 5050



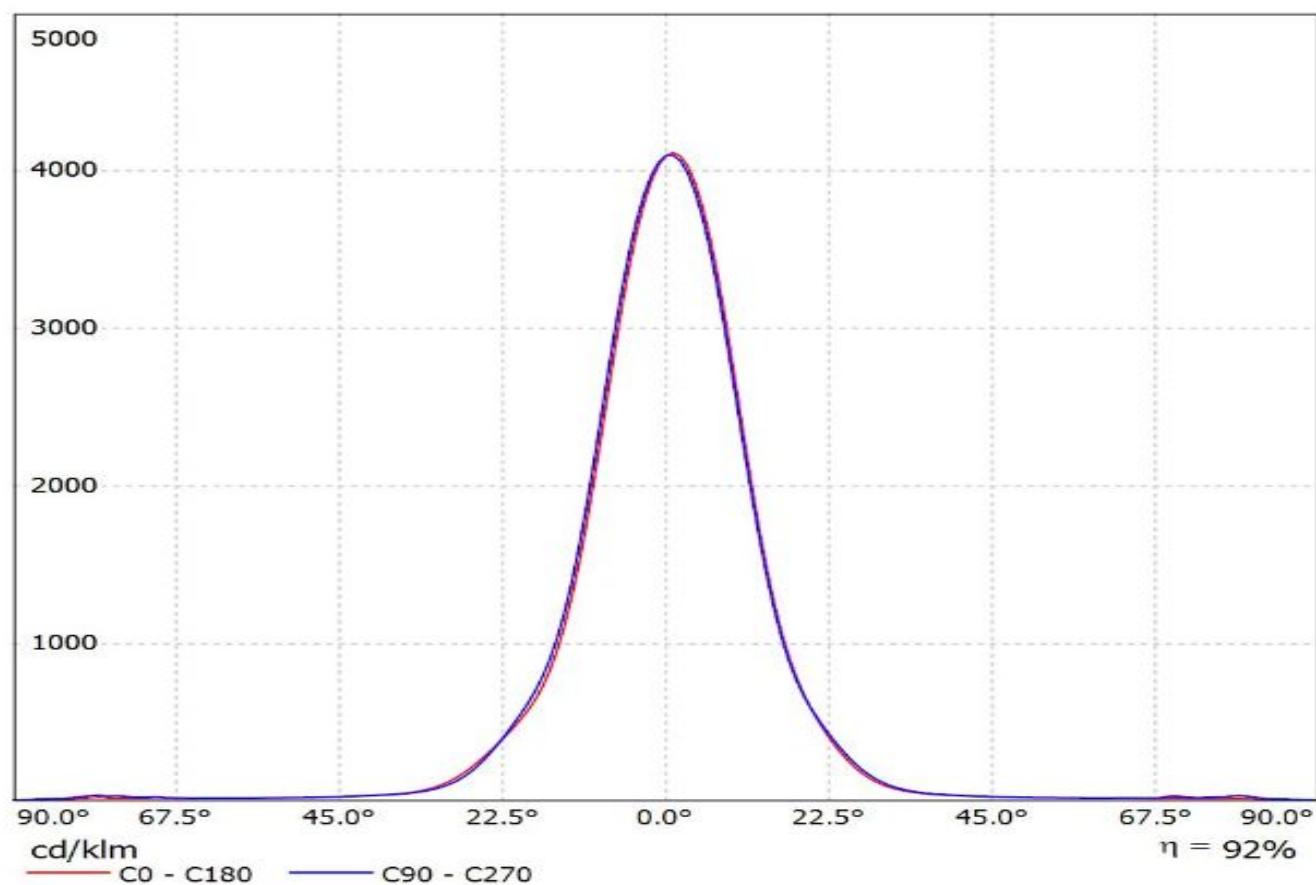
Luminaire: Ledil CS14891_HB-IP-2X6-M_(Luxeon_V)

Lamps: 1 x Lumileds_Luxeon_V_1451.92lm@250mA_P=8.21196W_U=32.860V



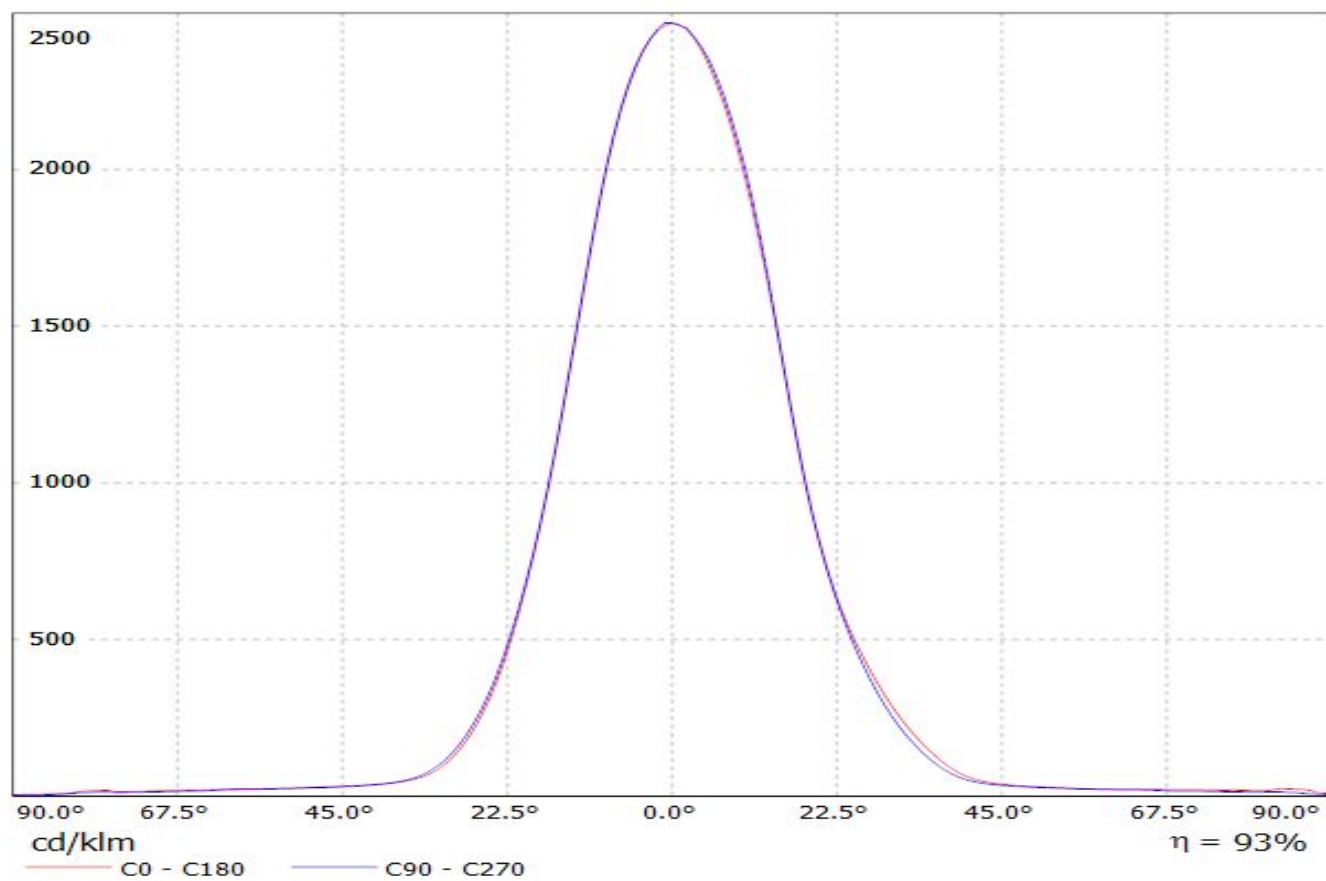
Luminaire: Ledil CS14891_HB-IP-2X6-M_(Nichia_E21)

Lamps: 1 x Nichia_NVSW21A_601.623lm@600mA_P=3.5001W_I=0.600A

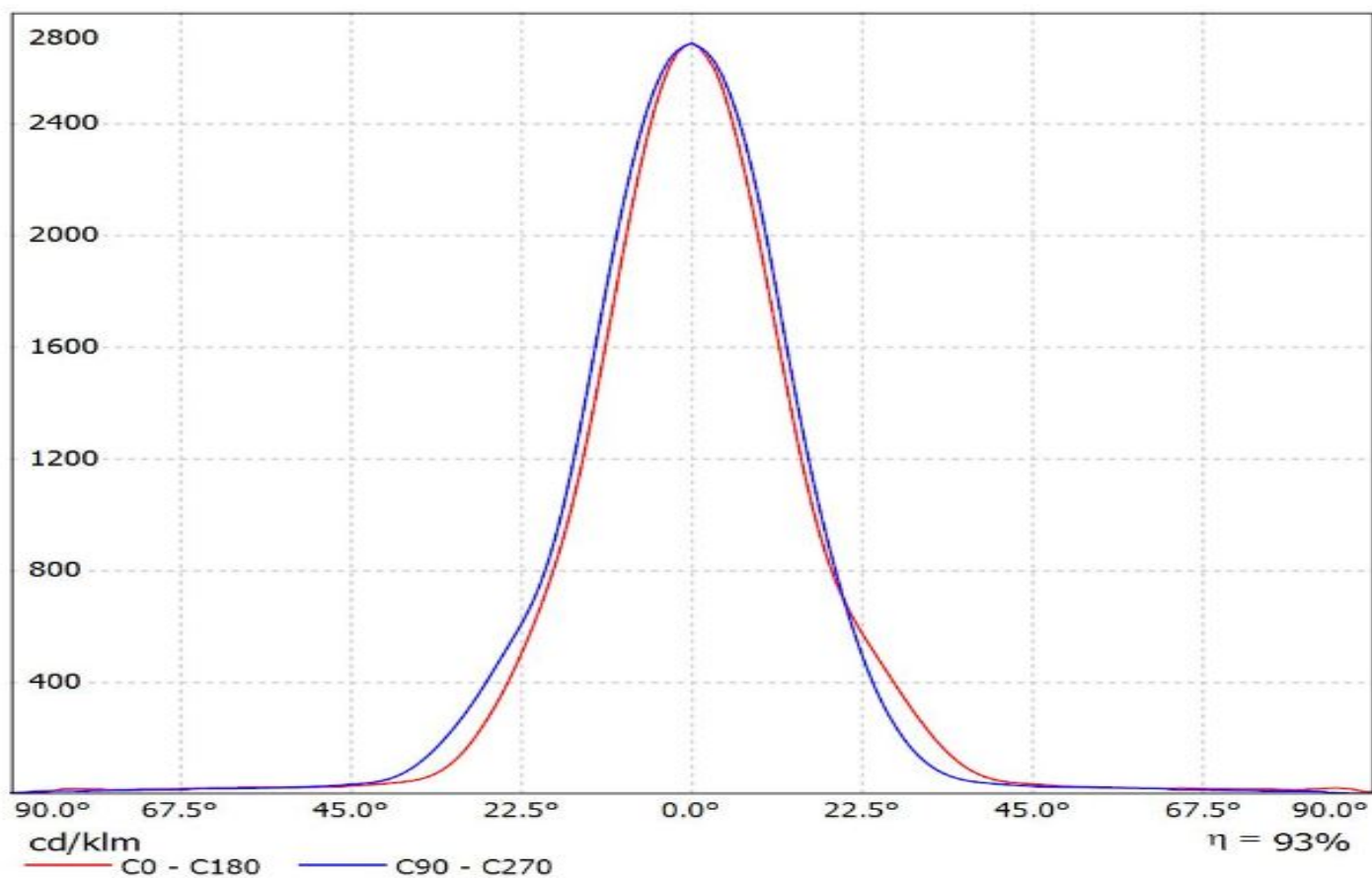


Luminaire: Ledil CS14891_HB-IP-2X6-M_(NVSL219CT)

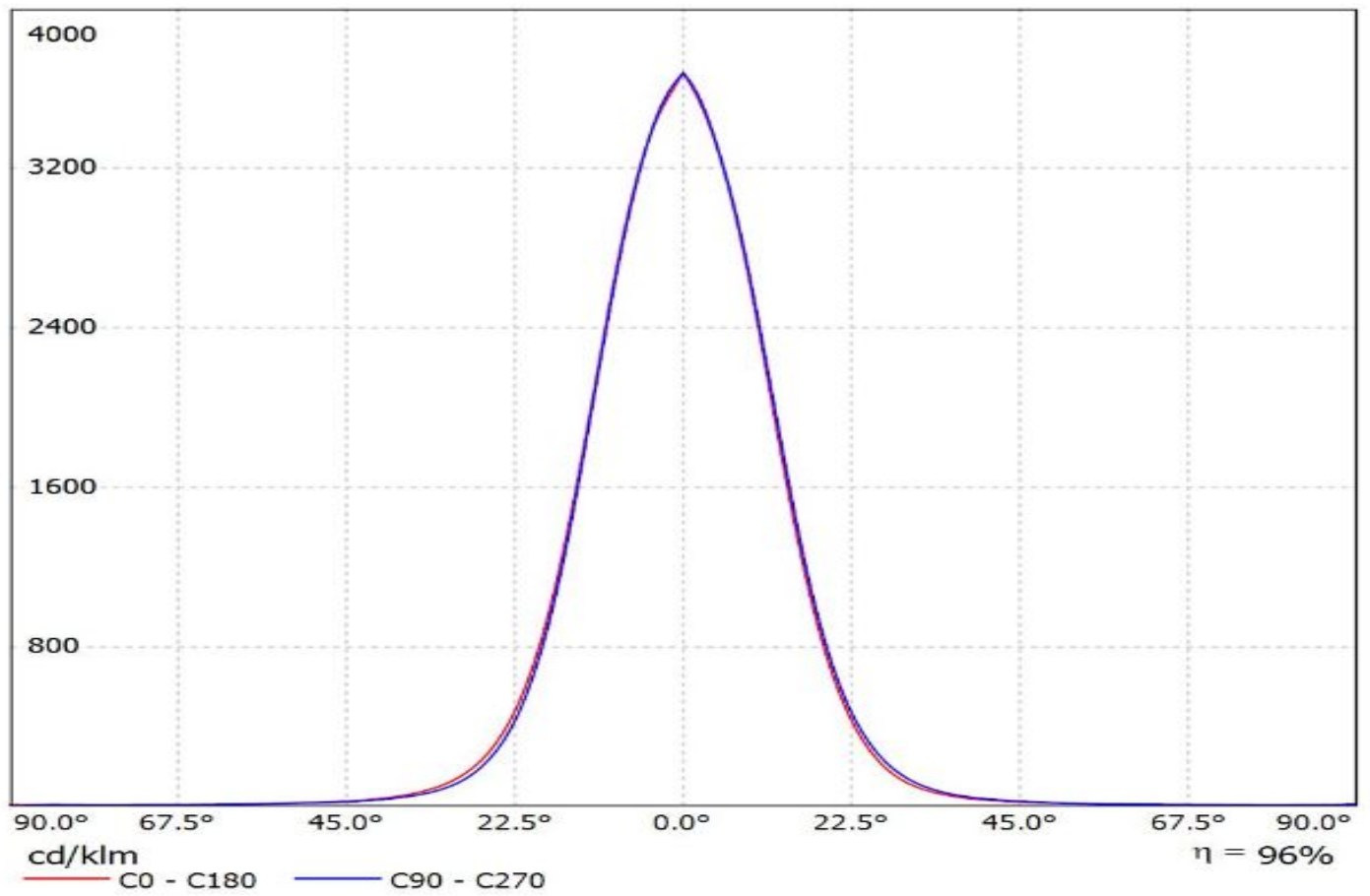
Lamps: 1 x Nichia_NVSL219CT_2x6_1262.53lm@250mA_P=8.35825W_I=0.25A



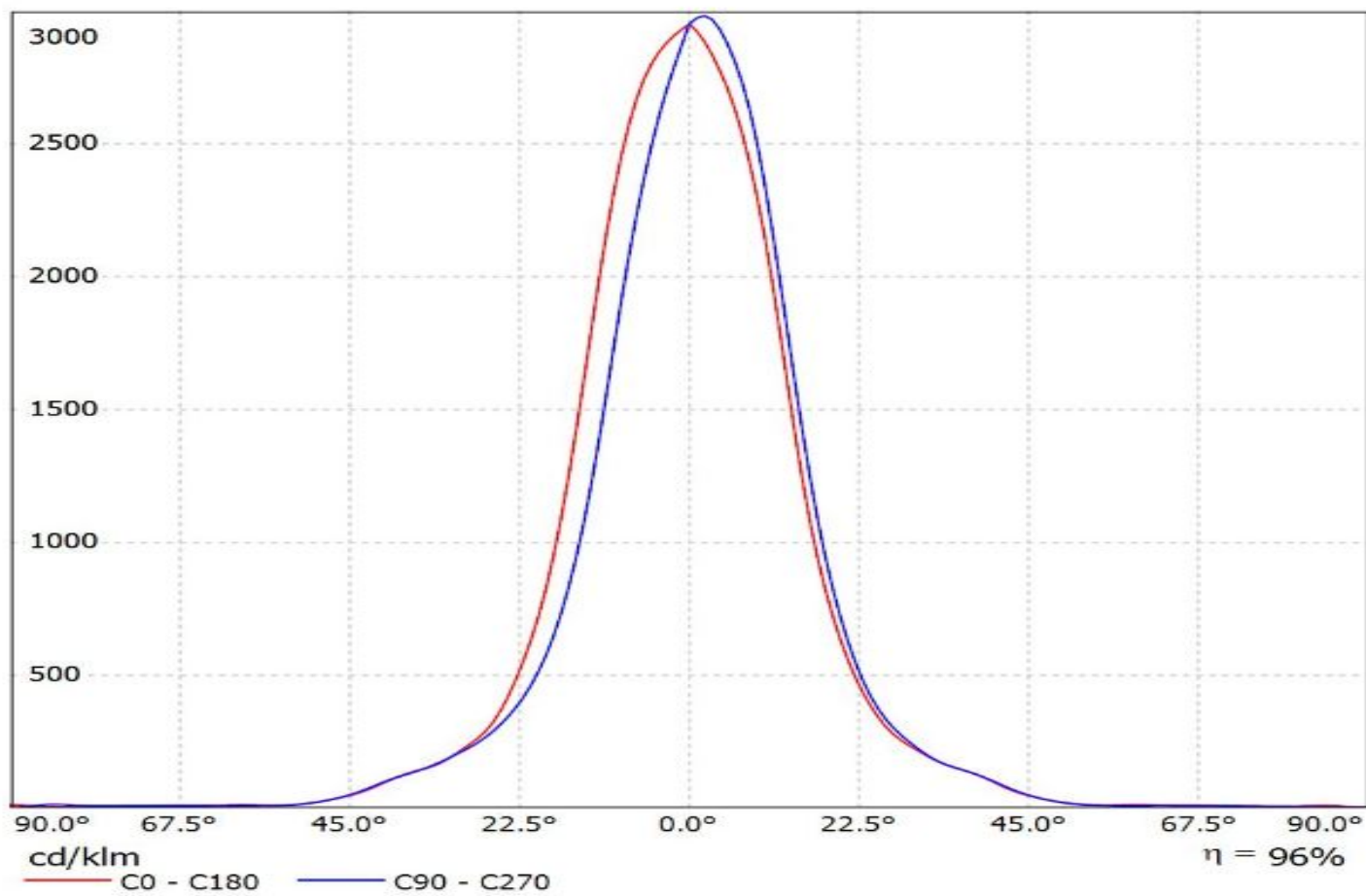
Luminaire: Ledil CS14891_HB-IP-2X6-M_(SQ-PC_2X6)_C1
Lamps: 1 x Oslon_SQ-PC_2X6_1253.97lm@250mA_P=8.87825W_I=0.25A



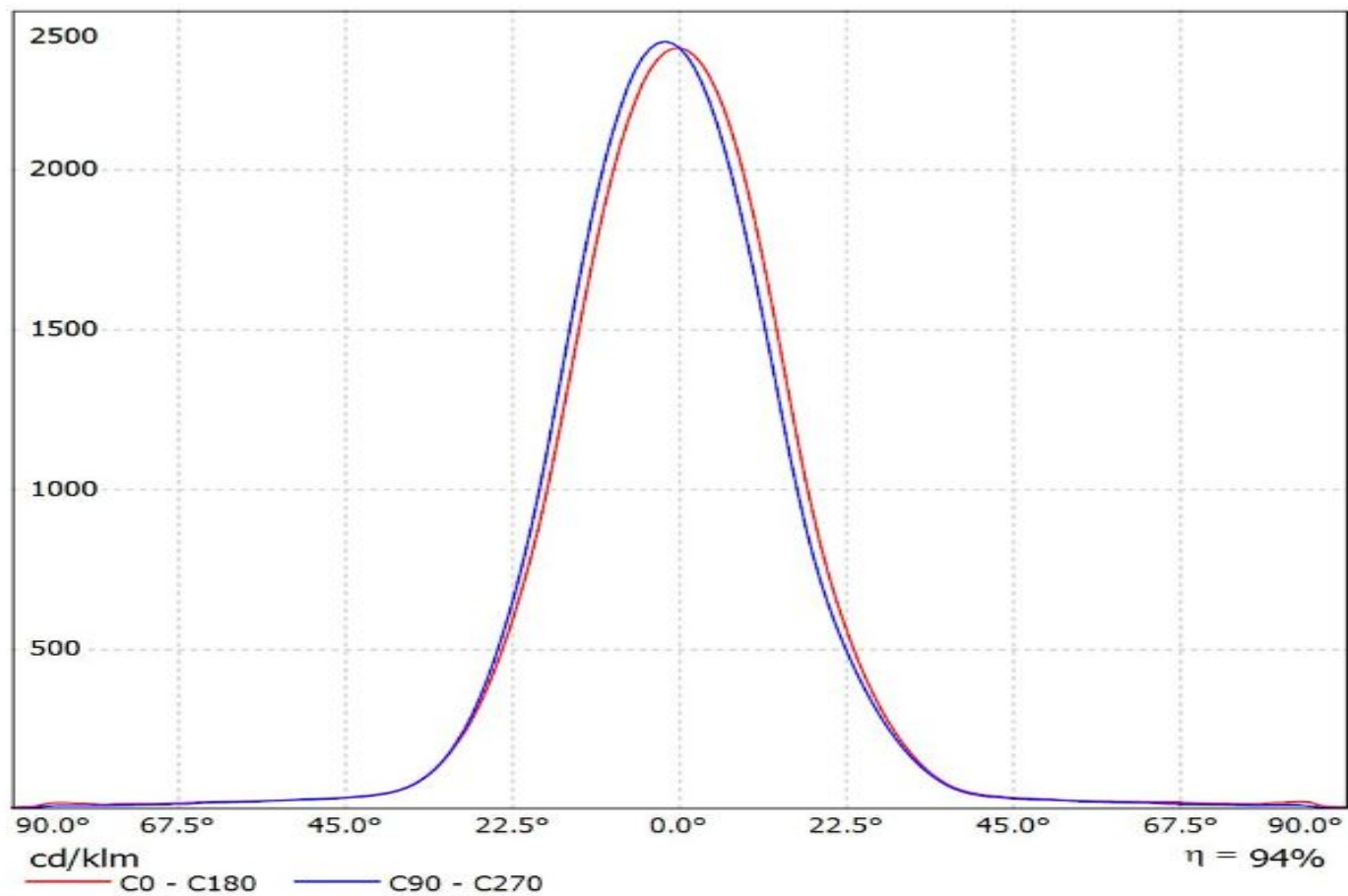
Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9



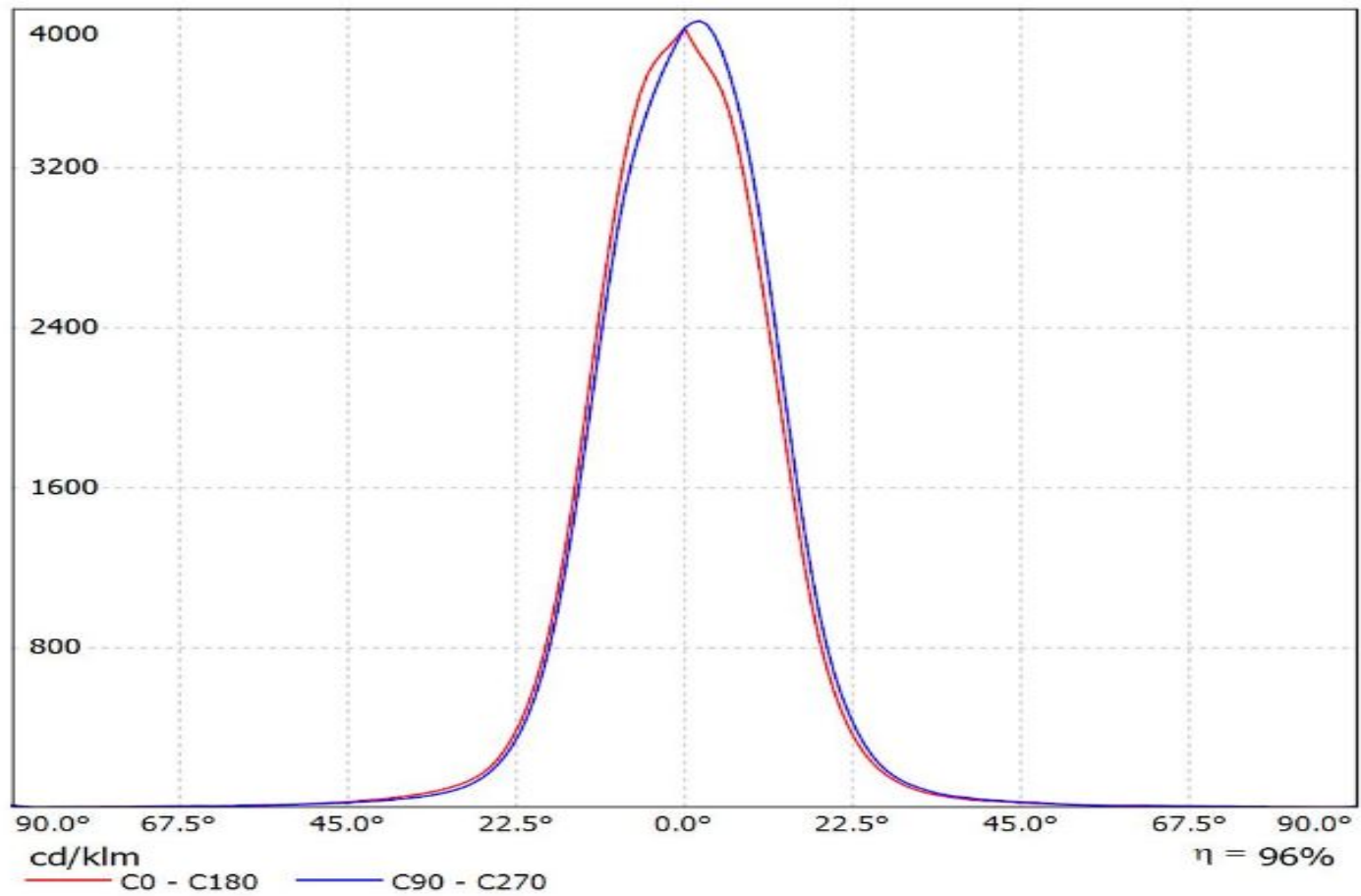
Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(Oslon Square Gen3)_SIMULATED
Lamps: 1 x Osram Oslon Square Gen3



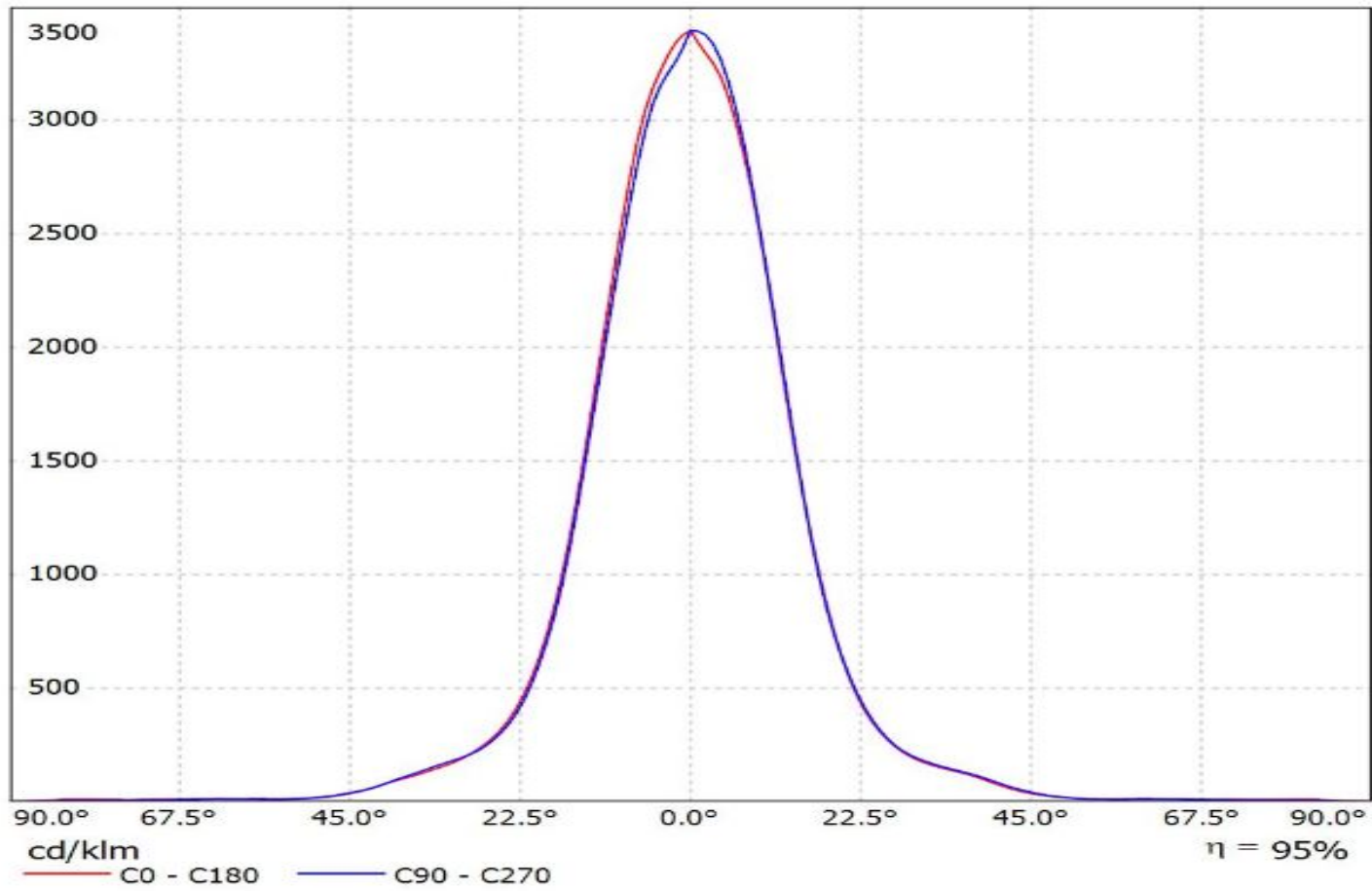
Luminaire: Ledil CS14891_HB-IP-2X6-M_Fortimo FastFlex LED board 2x6 DPX G4
Lamps: 1 x Fortimo FastFlex LED board 2x6 DPX G4



Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_Fortimo FastFlex LED board 2x6 DP G4_SIMULATED
Lamps: 1 x Fortimo FastFlex LED board 2x6 DP G4_SIMULATED

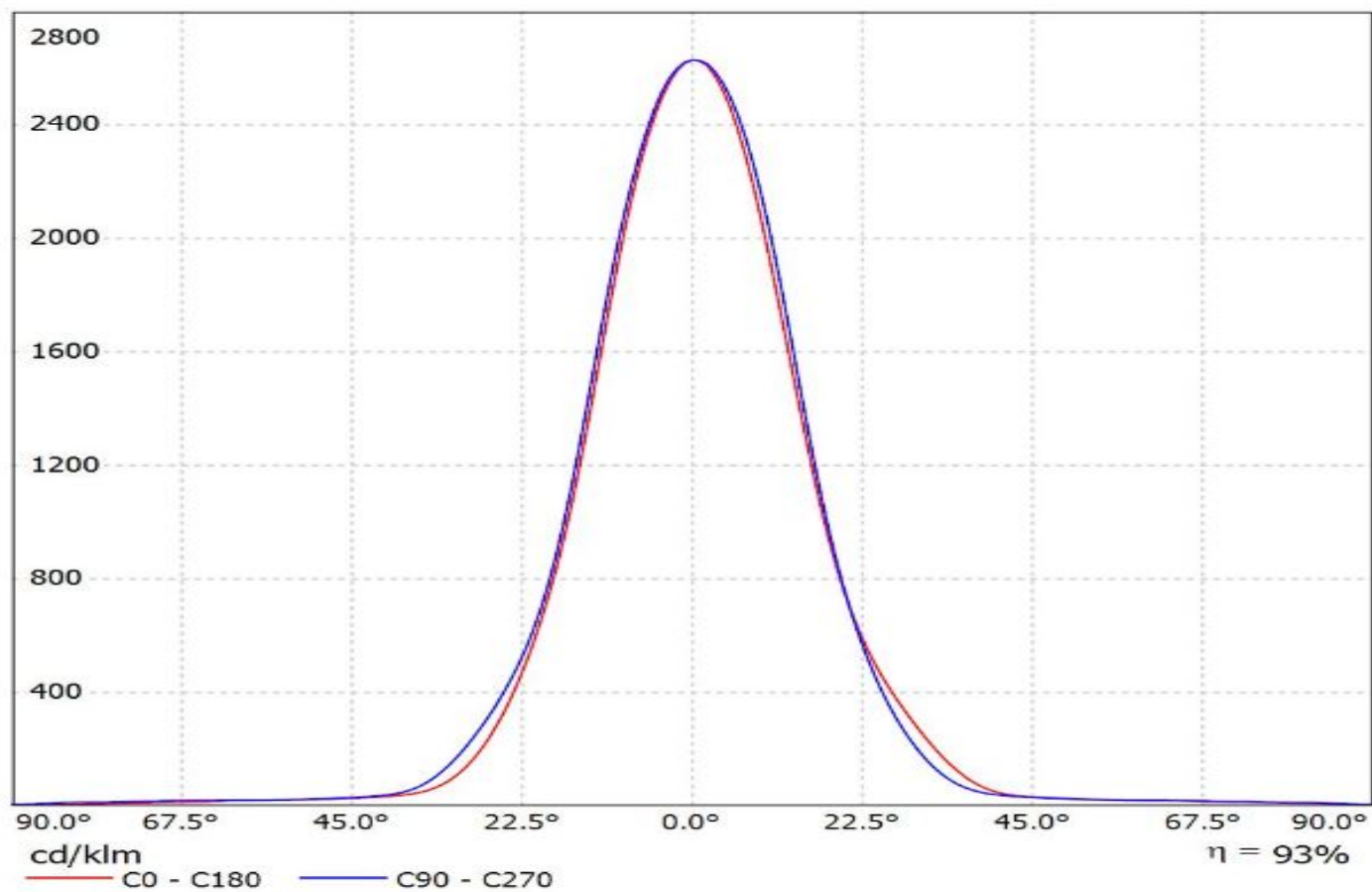


Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(Samsung_LH181B)_SIMULATED
Lamps: 1 x Samsung_LH181B

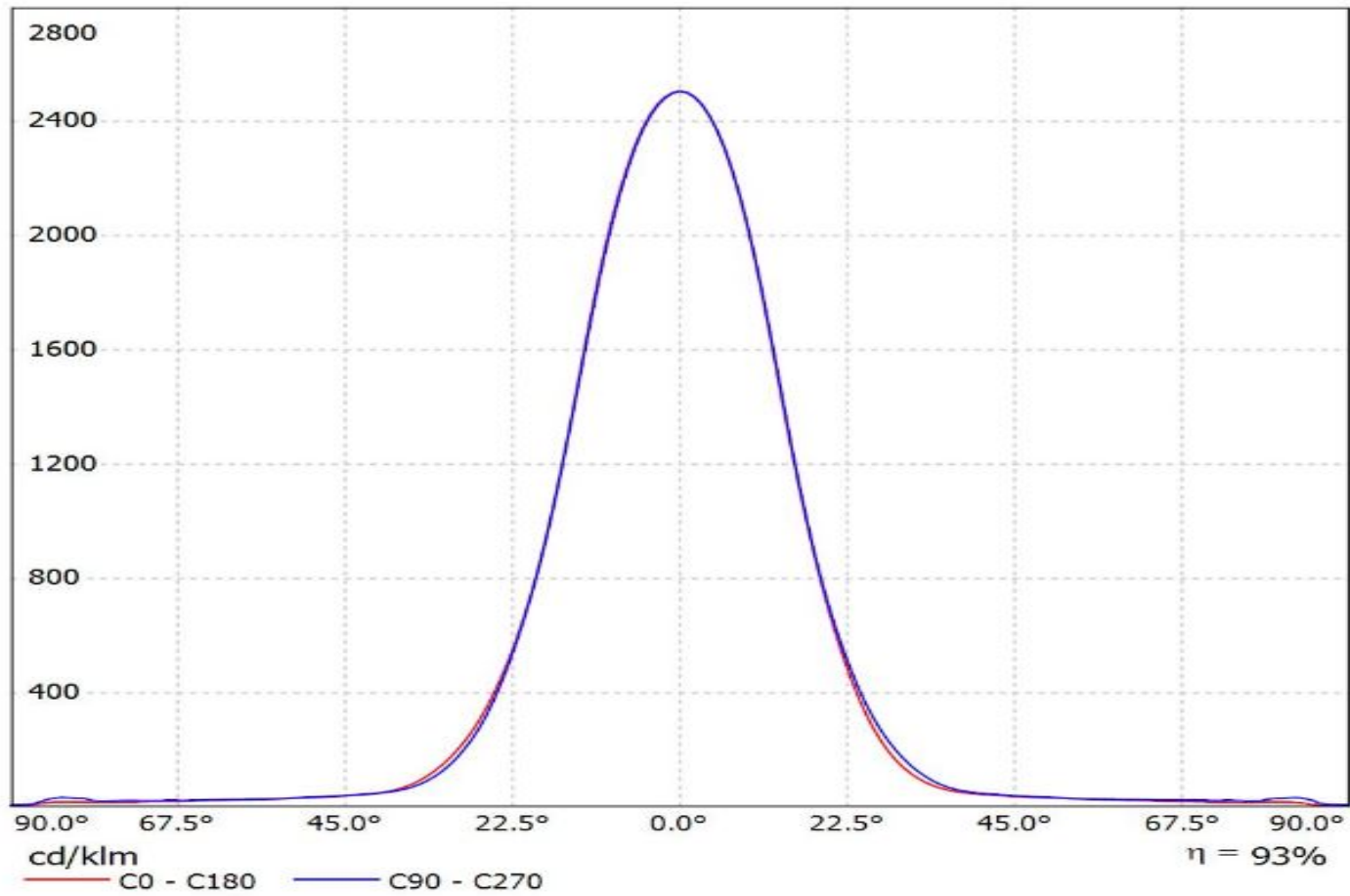


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Z5M1)

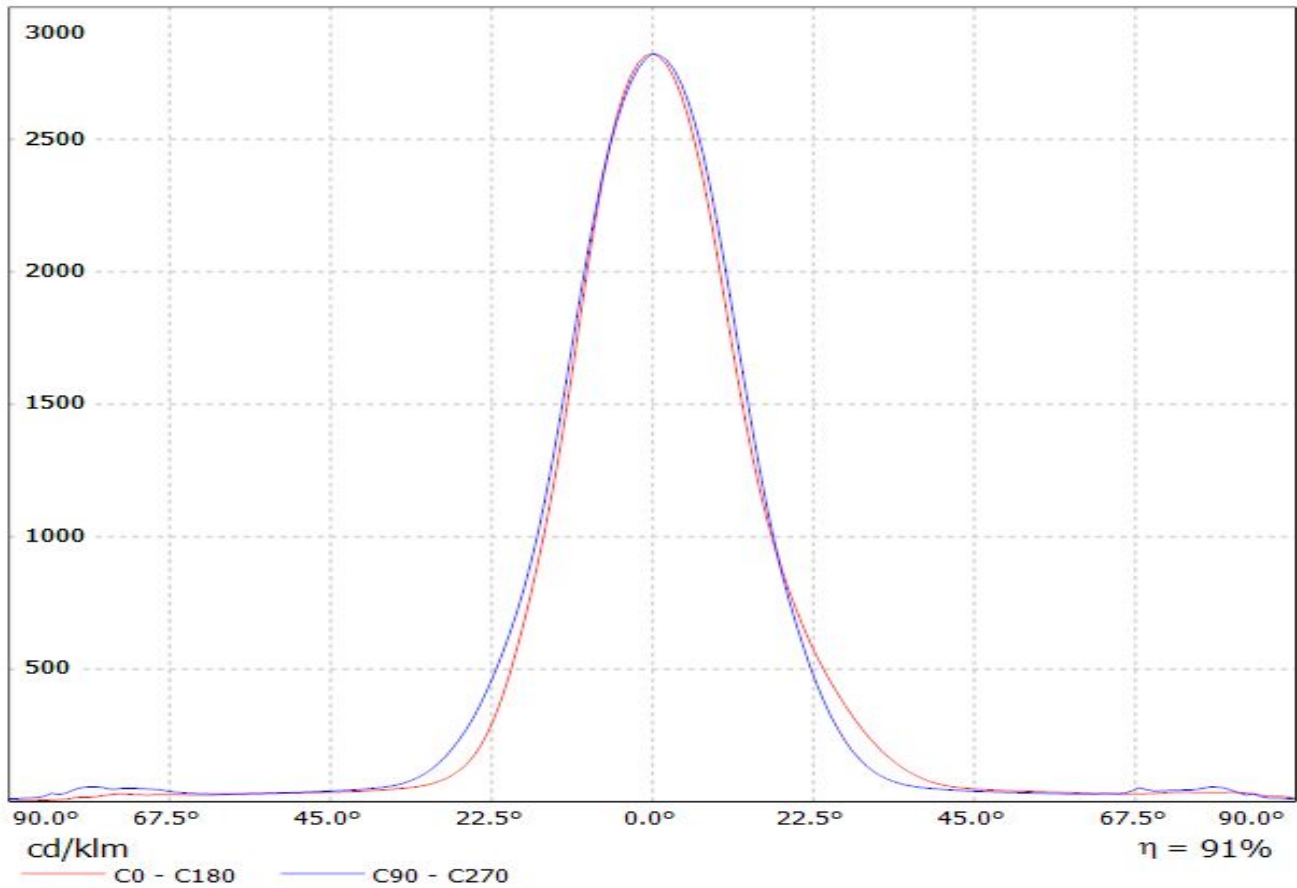
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WW-C8)_1201.44lm@250mA_P=8.63825W_I=0.25A



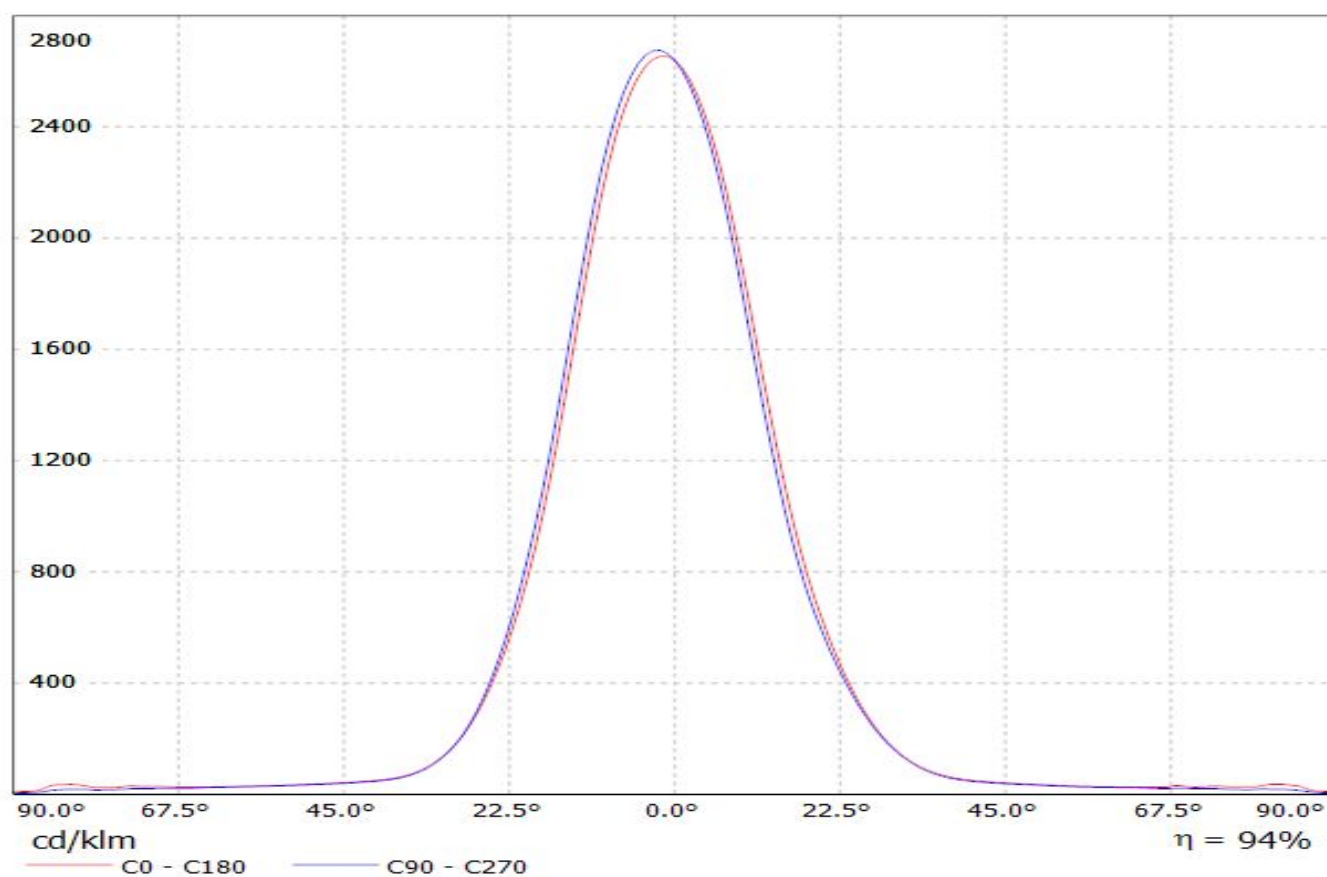
Luminaire: Ledil CS14891_HB-IP-2X6-M_(Z8Y22_PLUS)
Lamps: 1 x Seoul_Z8Y22_PLUS_2X6_(SZ8-Y22-W0-C7P)1489.65lm@250mA_P=8.30675W_I=0.250A



Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(SMJQ-D36W12Mx)
Lamps: 1 x Seoul_SMJQ-D36W12Mx_3765.02@700mA_P=23.6218W_I=0.25A

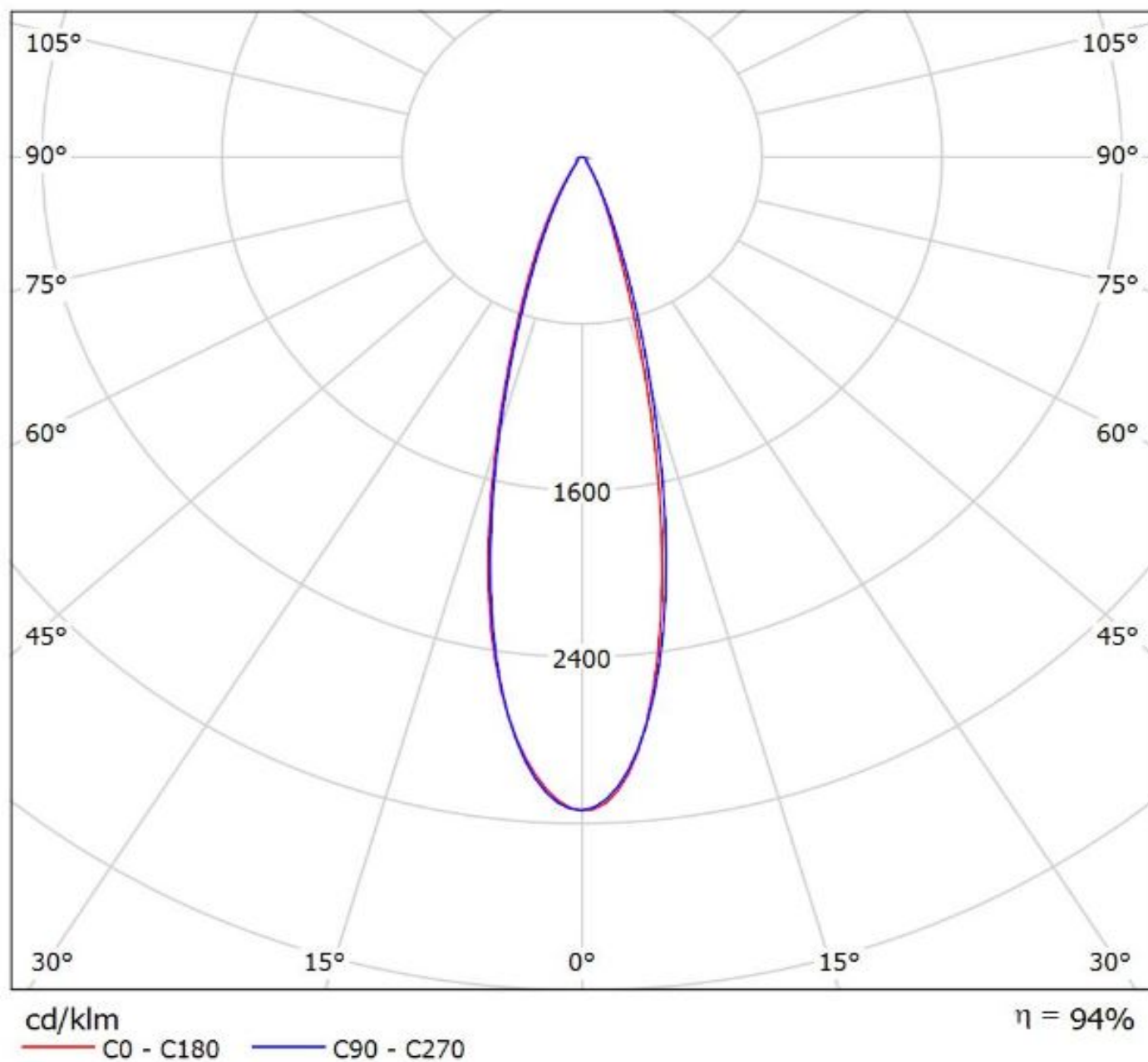


Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(SMJQ-D36W12Px)
Lamps: 1 x Seoul_SMJQ-D36W12Px_1404.92lm@250mA_P=8.22866W_I=0.25A



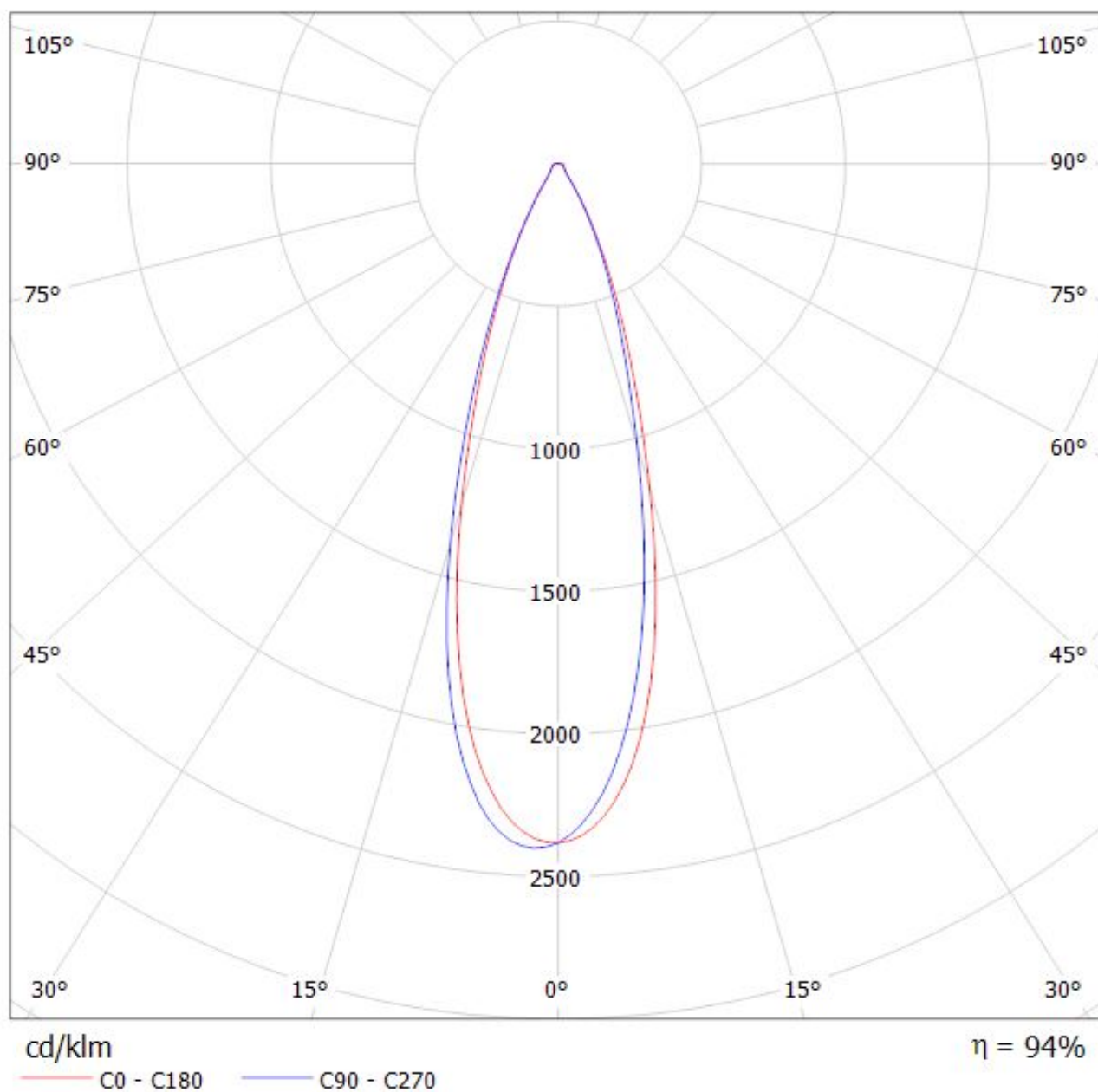
Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(XM-L)_Cav1

Lamps: 1 x Cree_XM-L_(XMLAWT-00-0000-000LT2OE7)_985.421lm@250mA_P=8.11375W_η=0.2499A



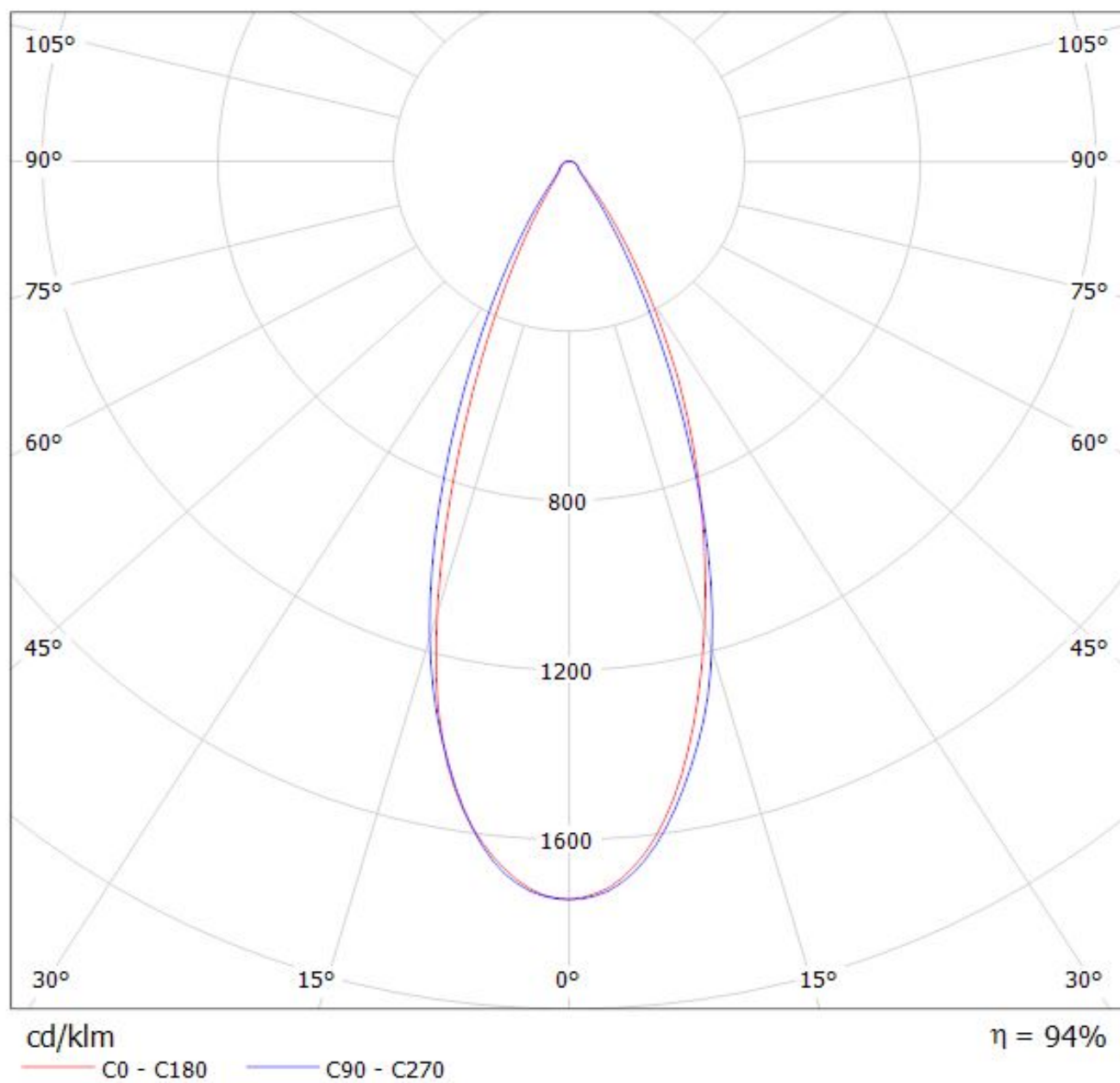
Luminaire: Ledil CS14891_HB-IP-2X6-M_(XP-G3)

Lamps: 1 x Cree_XP-G3_6x2_(XPGDWT-B1-6C1-S3-0-01)_1521.26lm@250mA_P=8.253W_I=0.25A



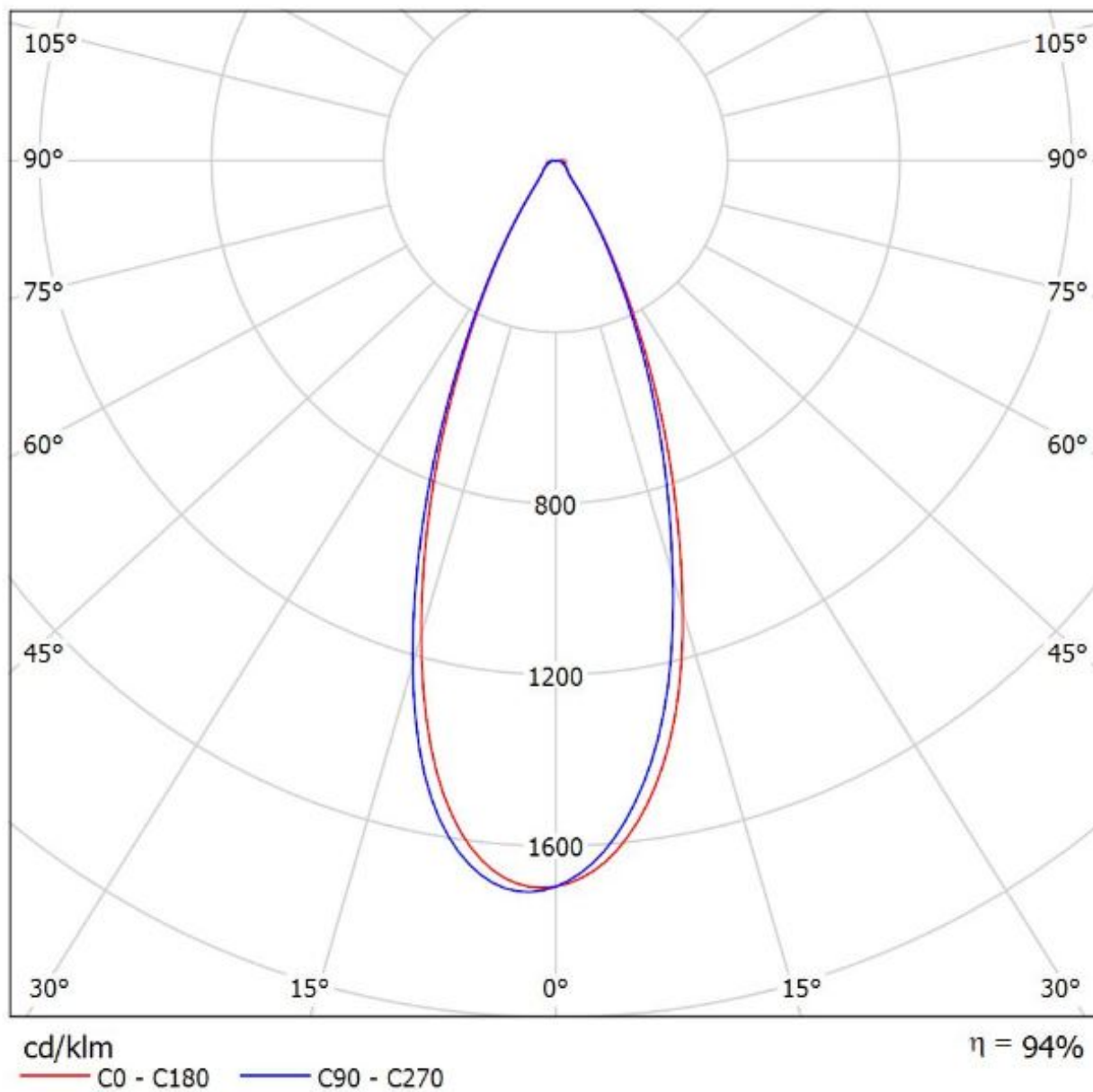
Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(XP-L)

Lamps: 1 x Cree_XP-L_(XPLAWT-0-7A3-U50-0H-0001)_1258.85lm@250mA_P=8.27562W_I=0.250A

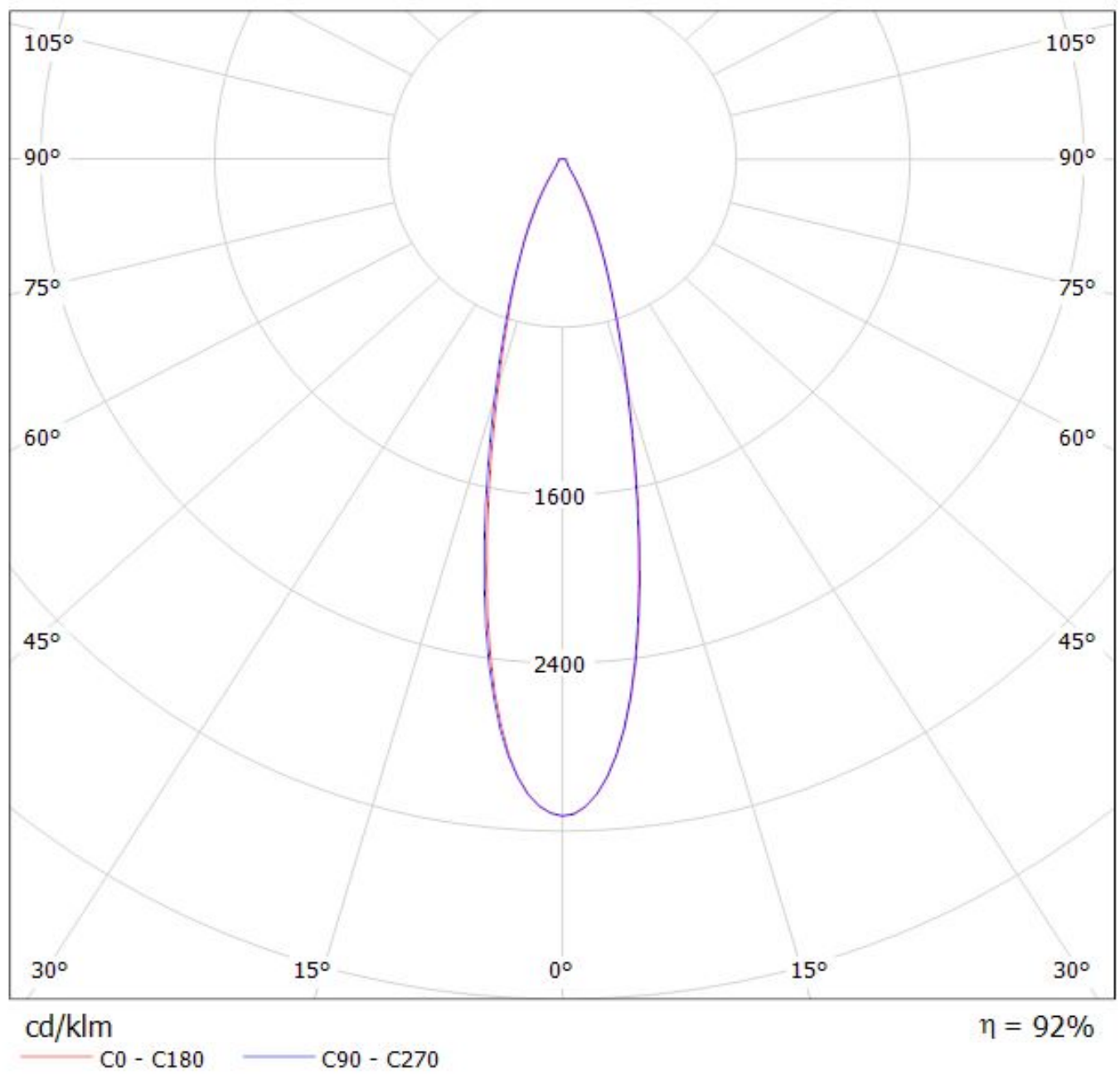


Luminaire: Ledil CS14891_HB-2X6-M_(XP-L2)

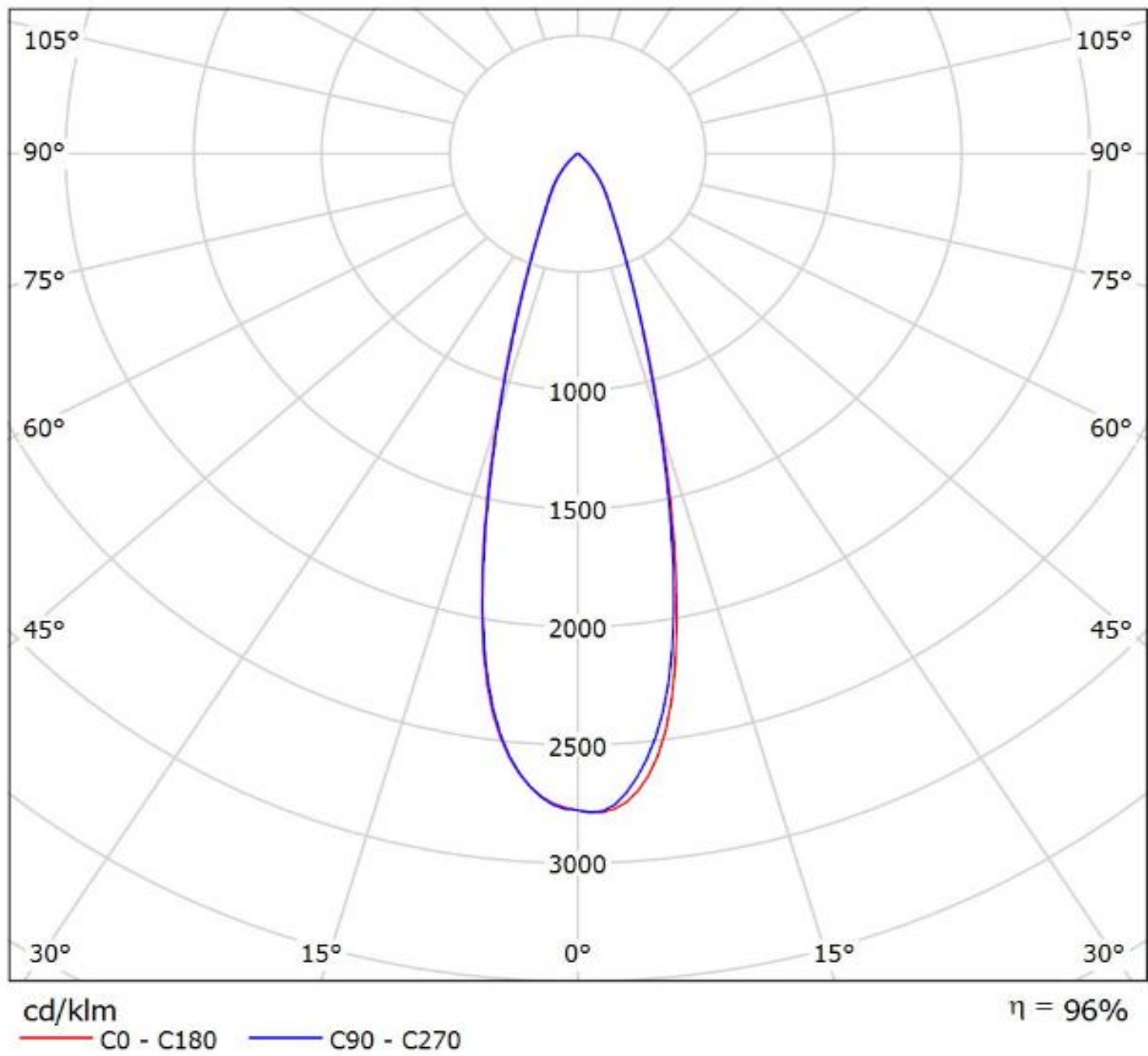
Lamps: 1 x Cree_XP-L2_2x6_1659.4lm@250mA_P=8.22525W_I=0.25A



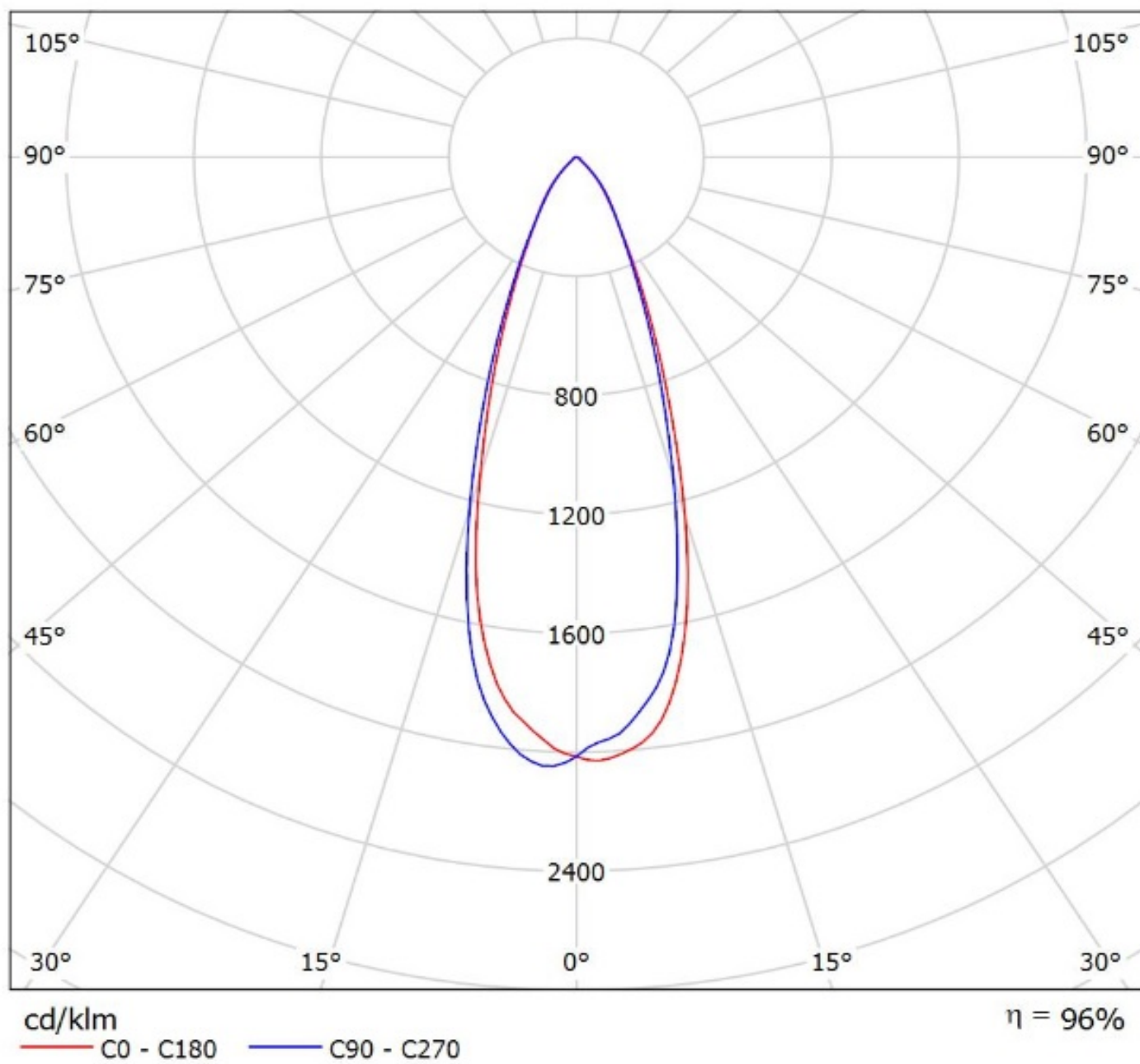
Luminaire: Ledil CS14891_HB-IP-2X6-M_(XT-E)
Lamps: 1 x Cree_XT-E_1280.48lm@250mA_P=8.94575W_I=0.250A



Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(XP-E)_SIMULATED
Lamps: 1 x Cree XP-E

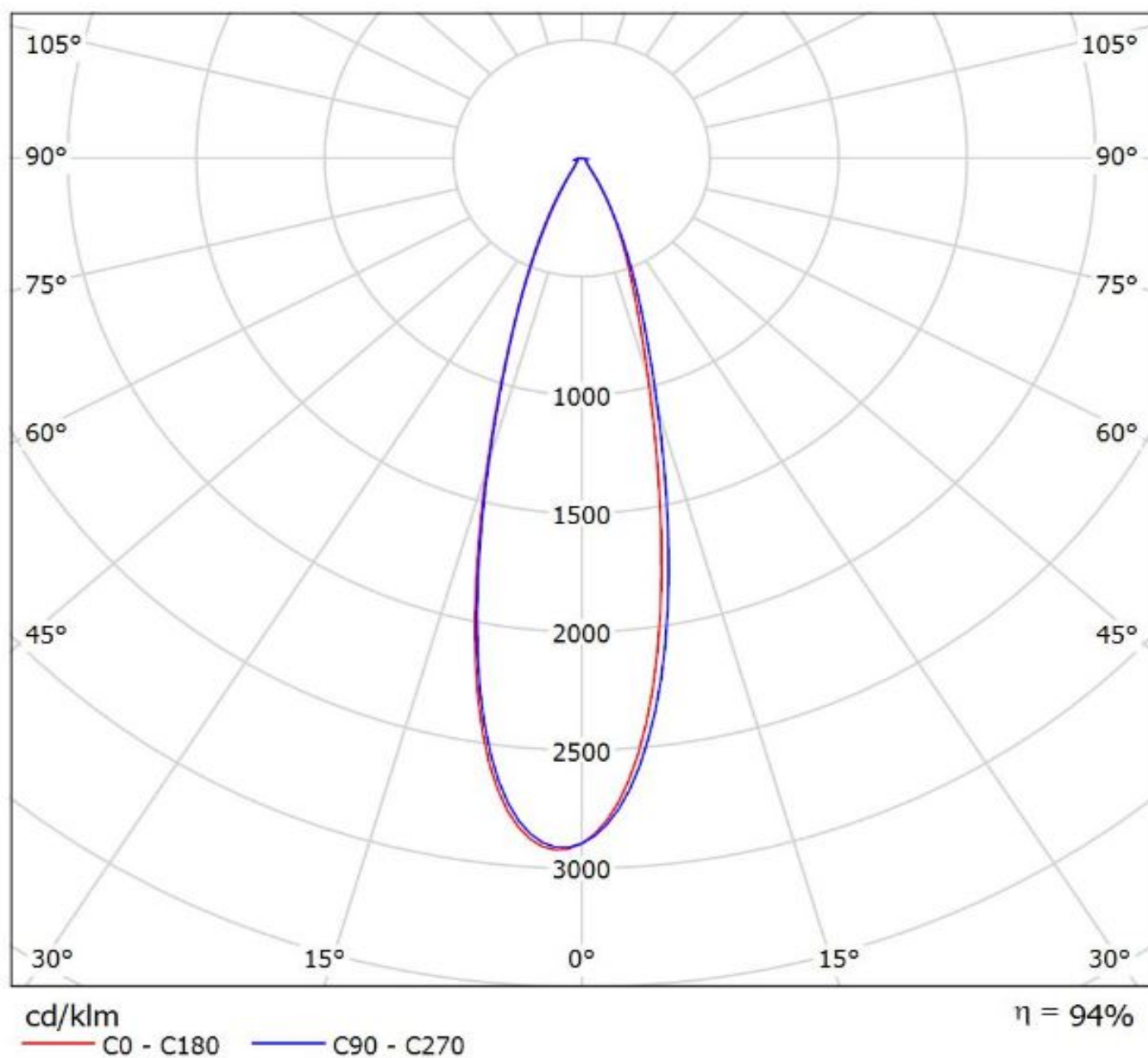


Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1

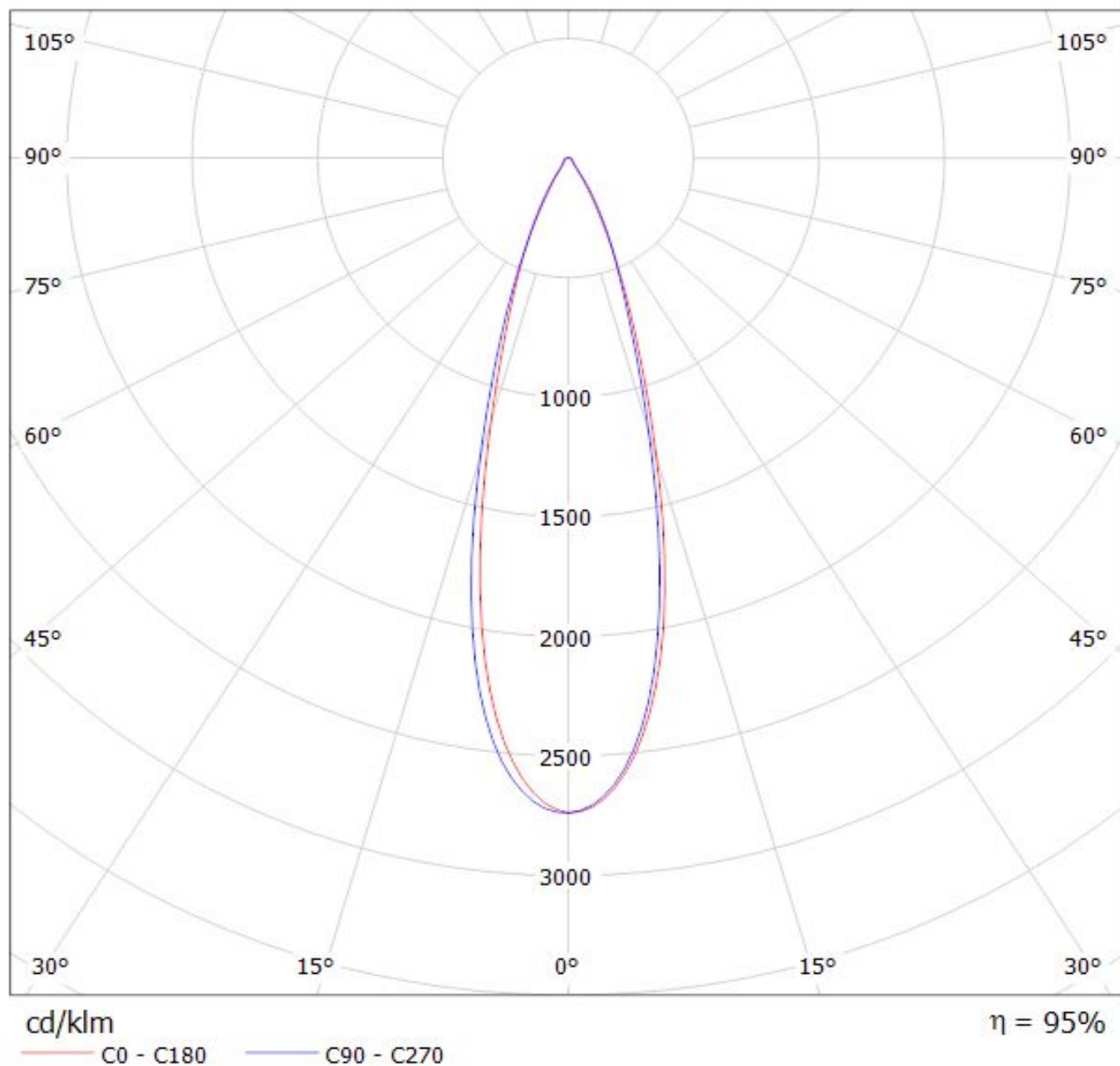


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Luxeon_XR-TX)

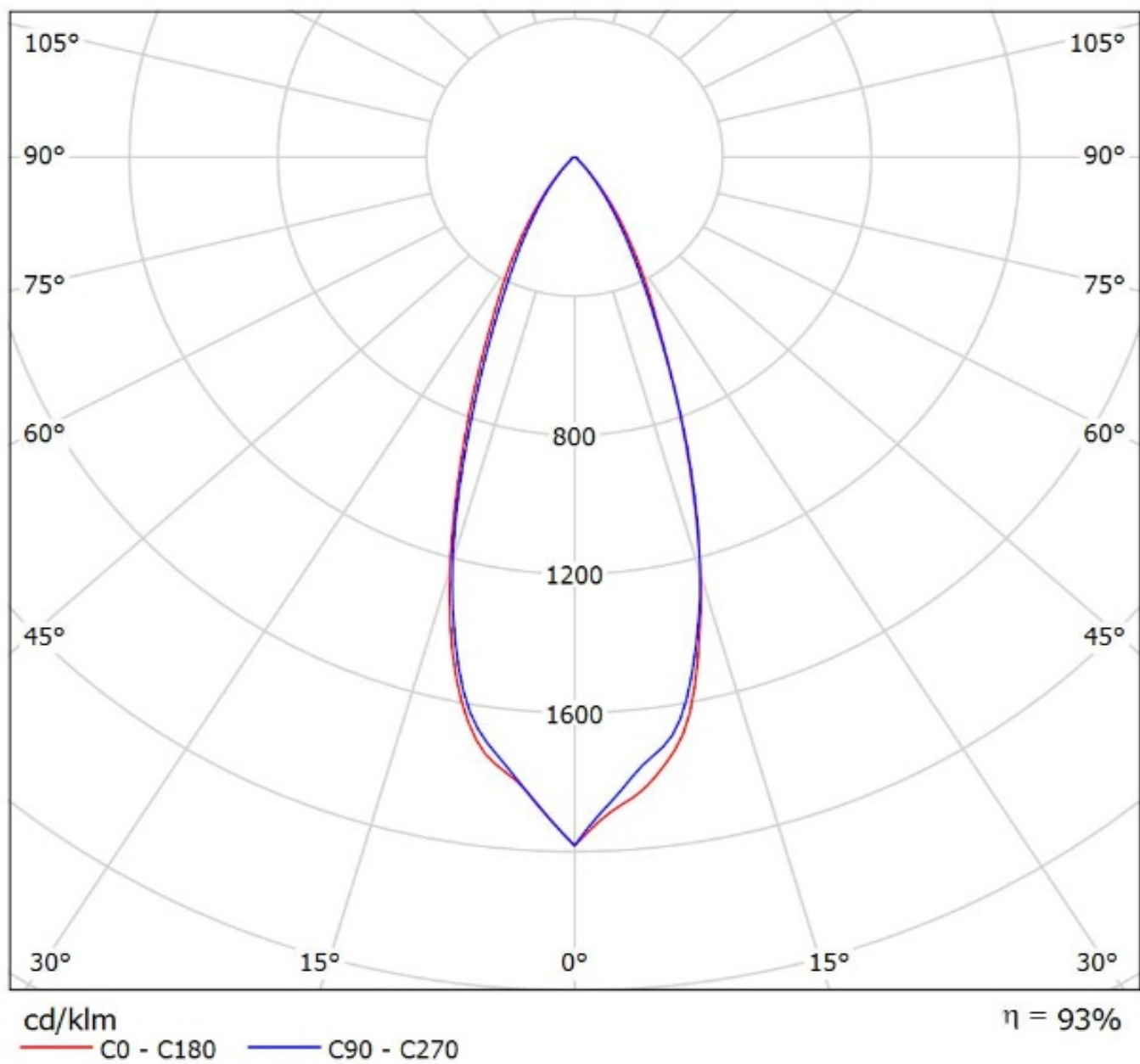
Lamps: 1 x Luxeon_XR-TX_2x6_1376.06lm@250mA_P=8.3883W_I=0.25A



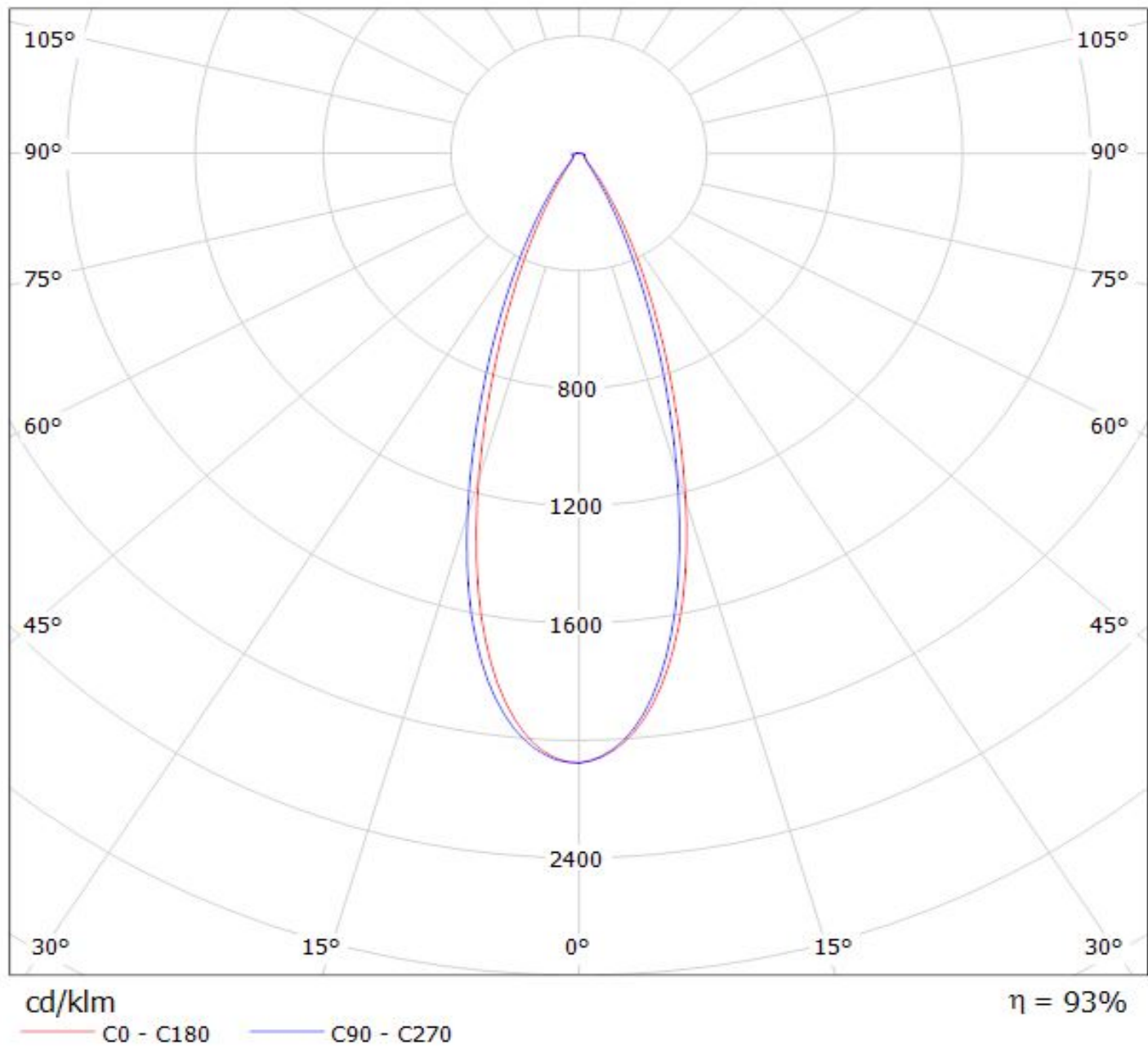
Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(Luxeon_T)
Lamps: 1 x Luxeon_T_(LXH8-FW30)_1040.4lm@250mA_P=8.49754W_I=0.250A



Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_LUXEON-5050_SIMULATED
Lamps: 1 x Lumileds Luxeon 5050

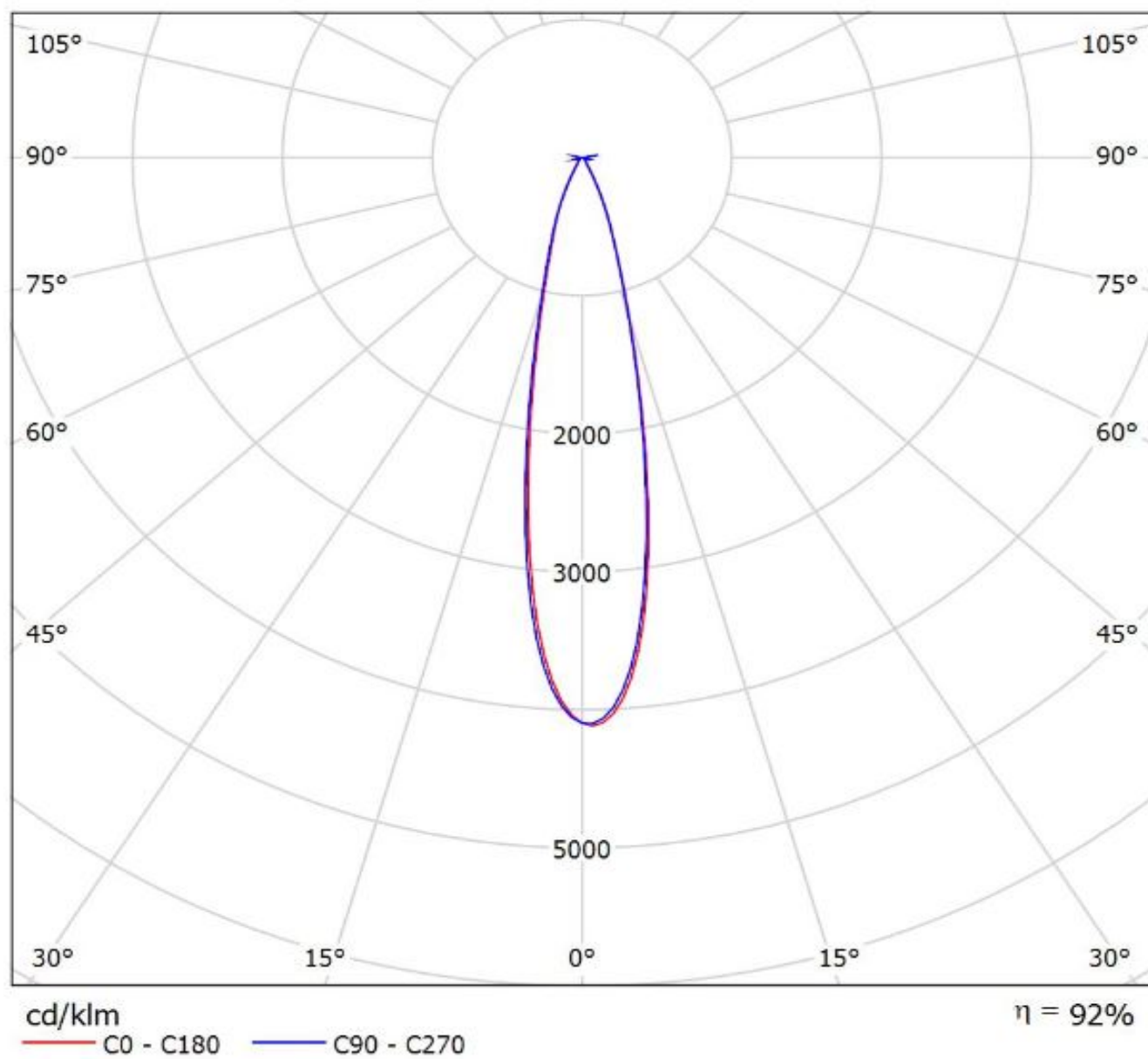


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Luxeon_V)
Lamps: 1 x Lumileds_Luxeon_V_1451.92lm@250mA_P=8.21196W_U=32.860V

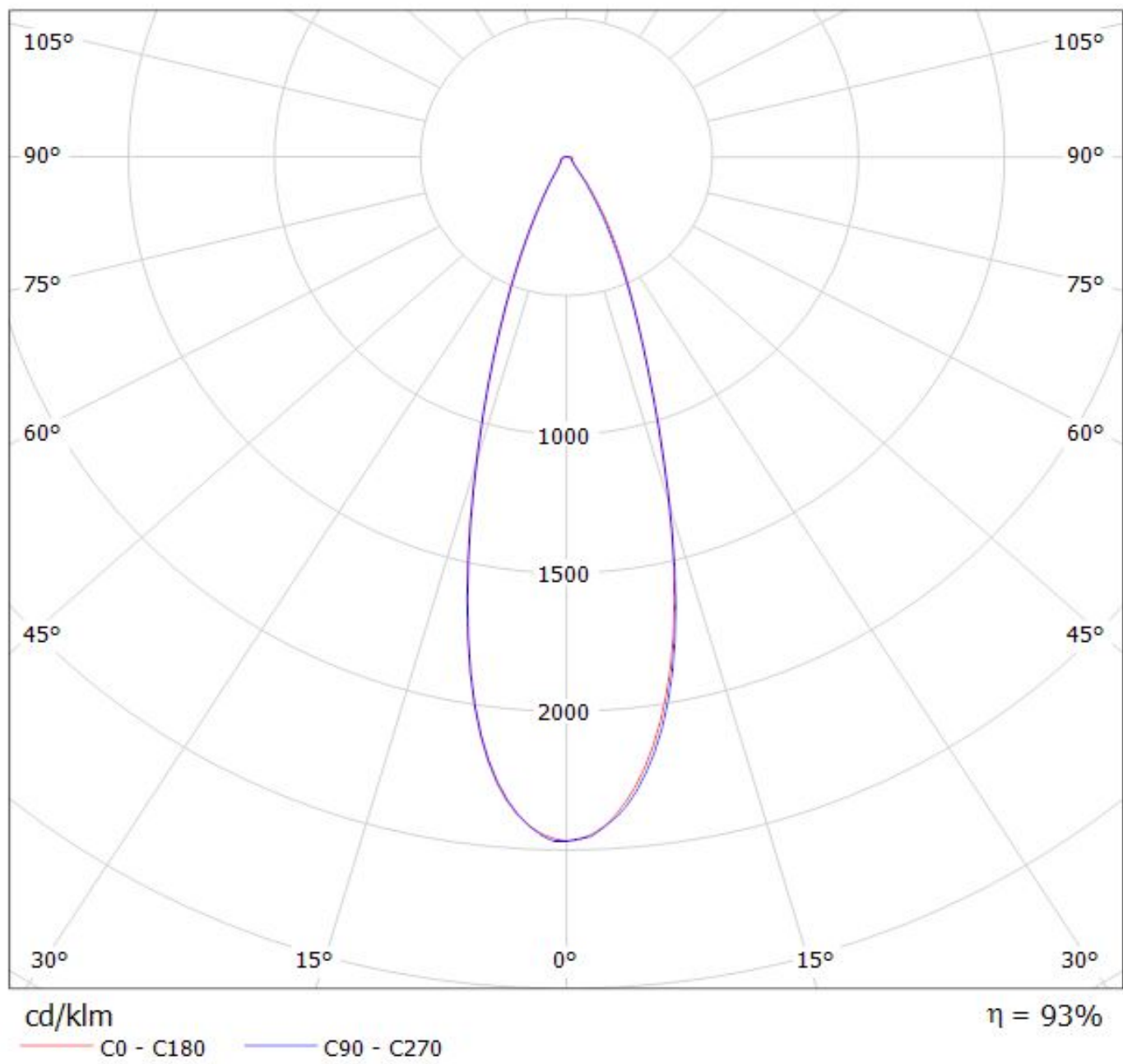


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Nichia_E21)

Lamps: 1 x Nichia_NVSWE21A_601.623lm@600mA_P=3.5001W_I=0.600A

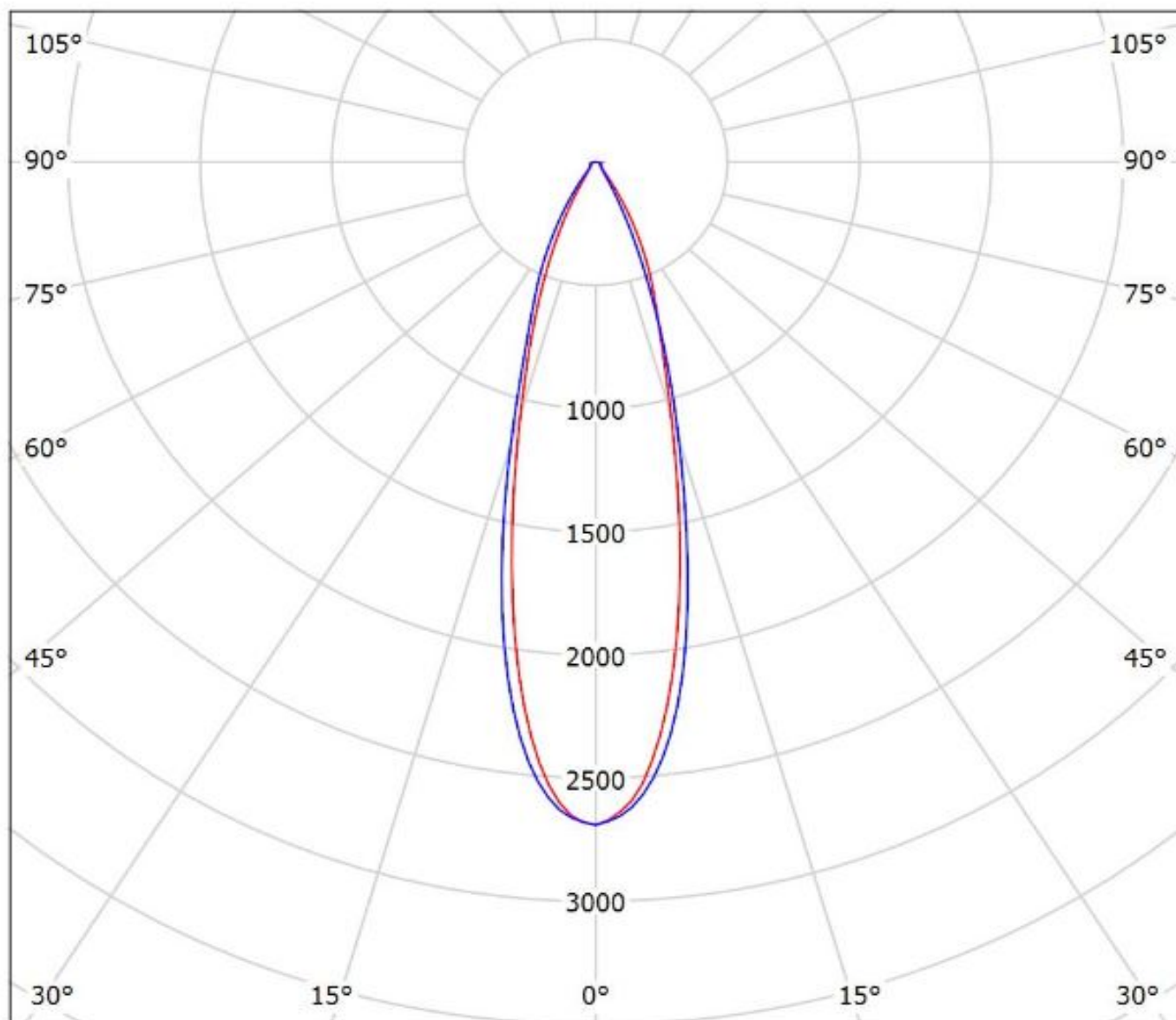


Luminaire: Ledil CS14891_HB-IP-2X6-M_(NVSL219CT)
Lamps: 1 x Nichia_NVSL219CT_2x6_1262.53lm@250mA_P=8.35825W_I=0.25A



Luminaire: Ledil CS14891_HB-IP-2X6-M_(SQ-PC_2X6)_C1

Lamps: 1 x Oslon_SQ-PC_2X6_1253.97lm@250mA_P=8.87825W_I=0.25A



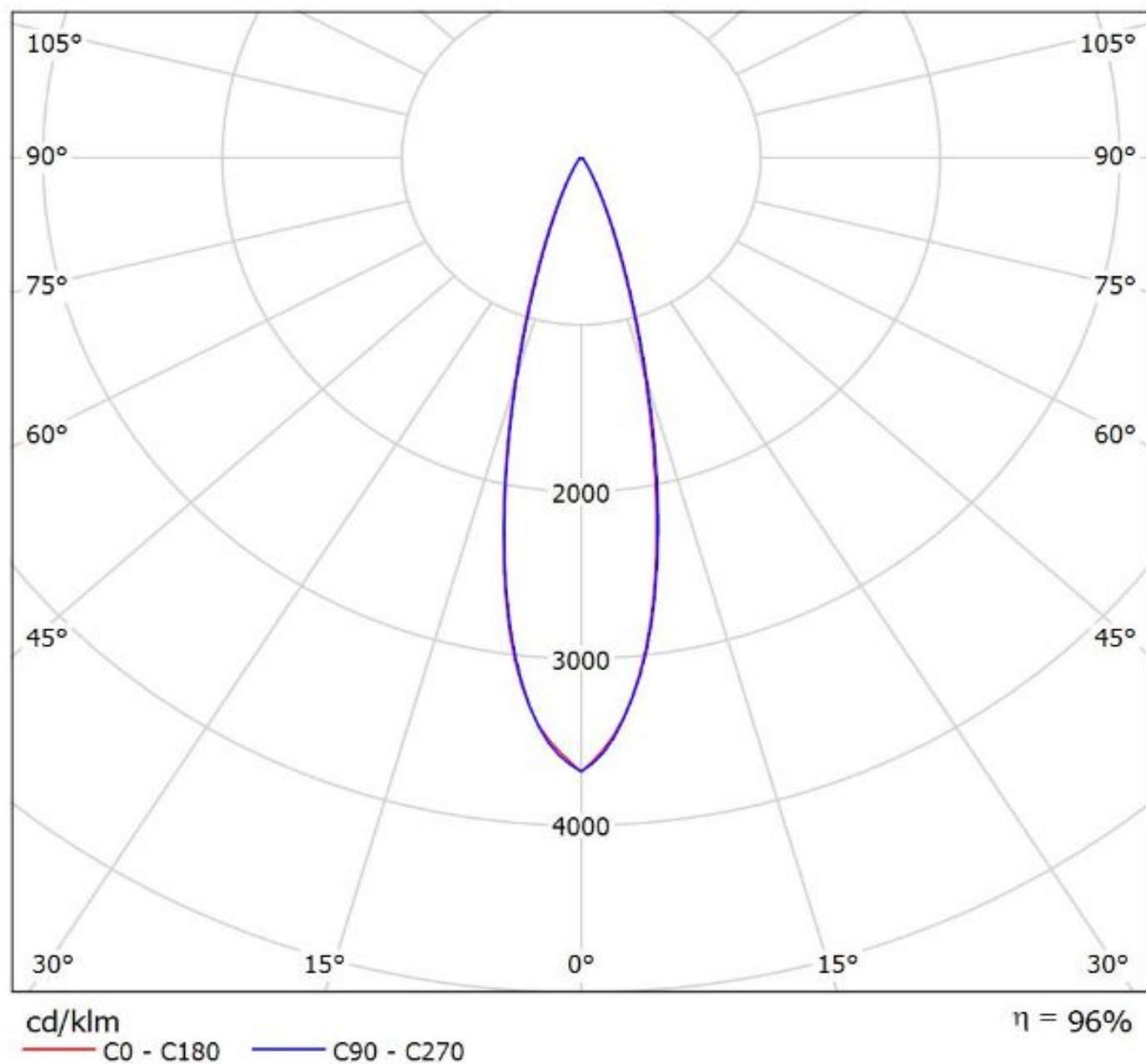
cd/klm

— C0 - C180

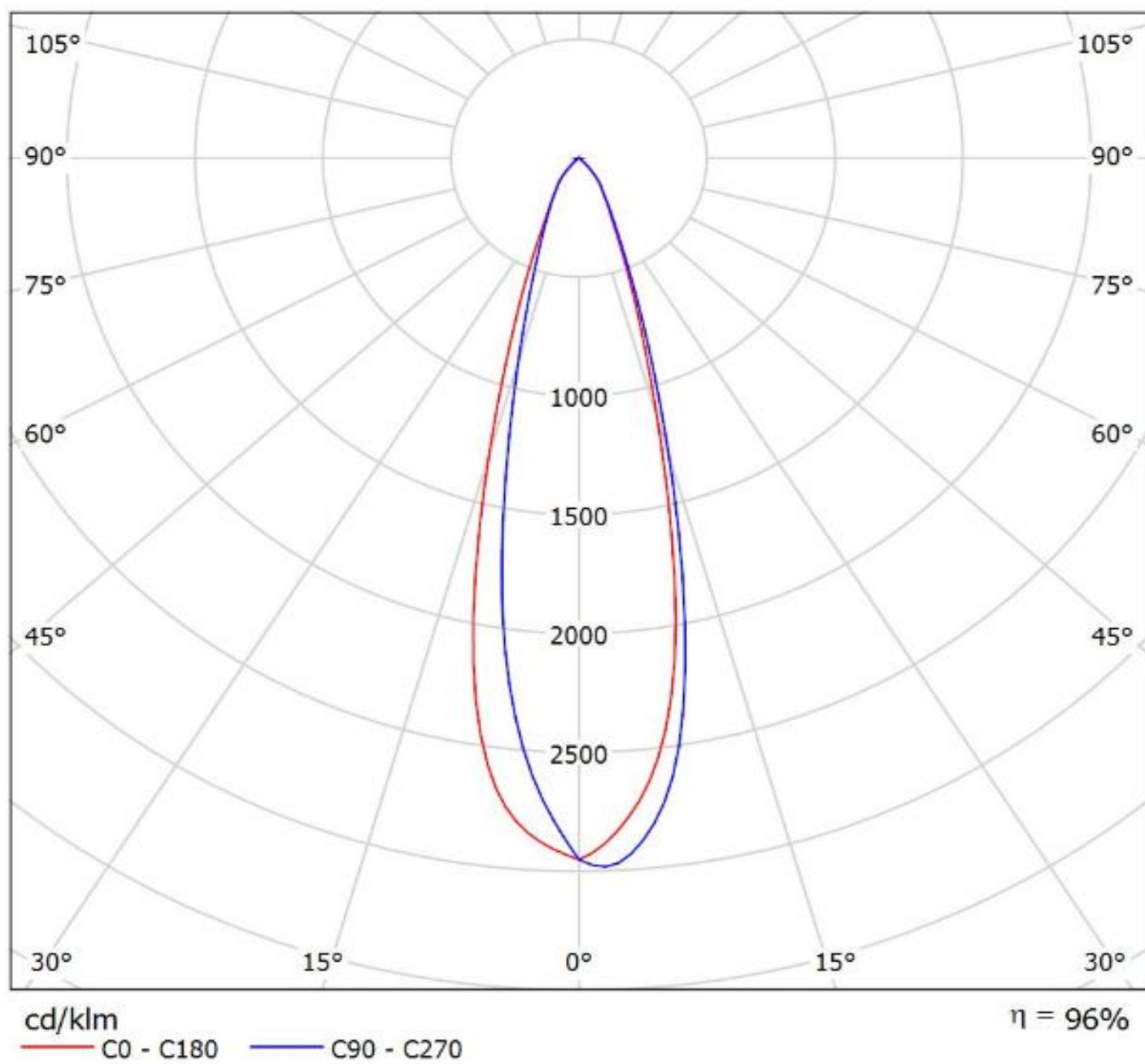
— C90 - C270

$\eta = 93\%$

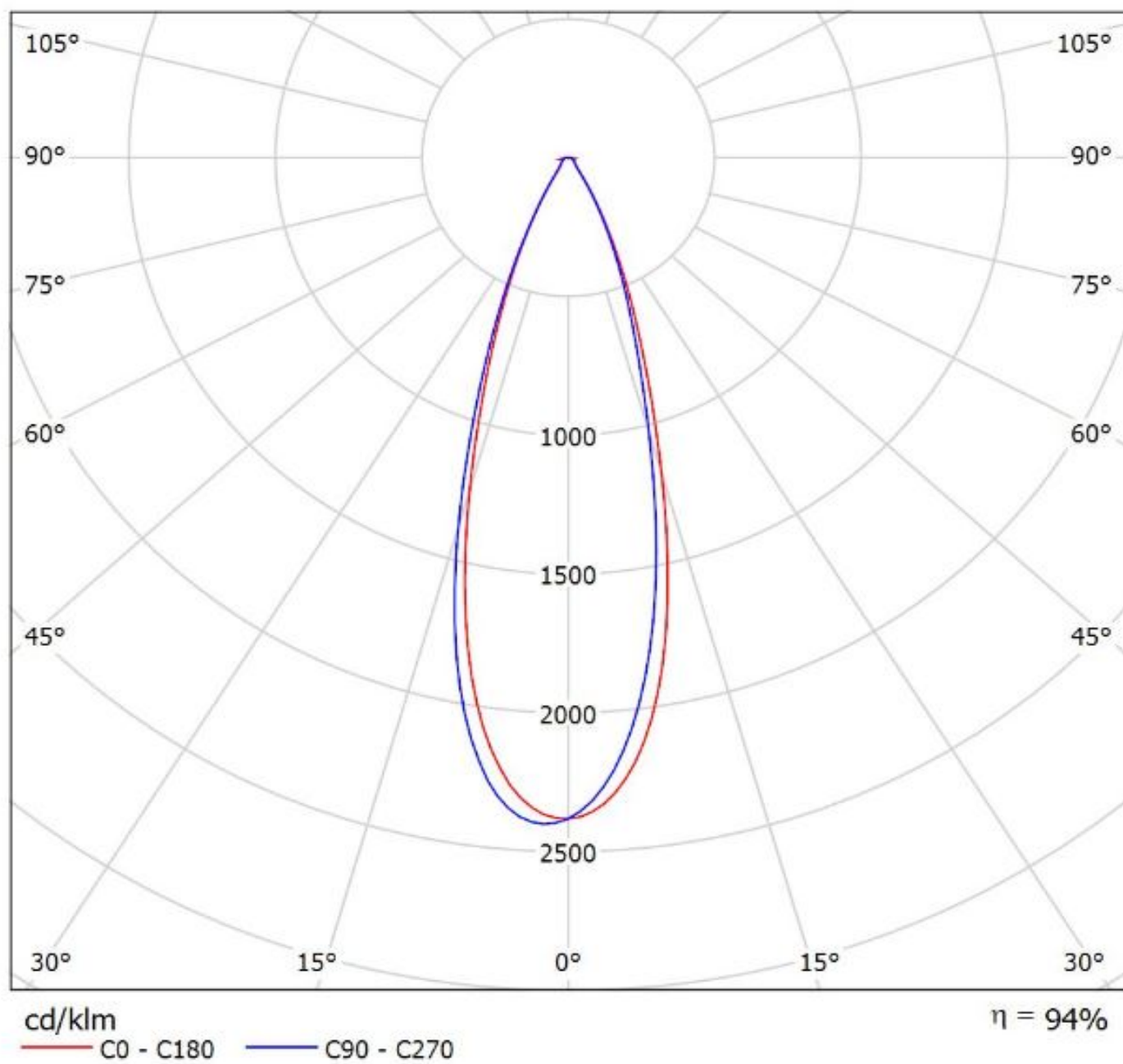
Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9



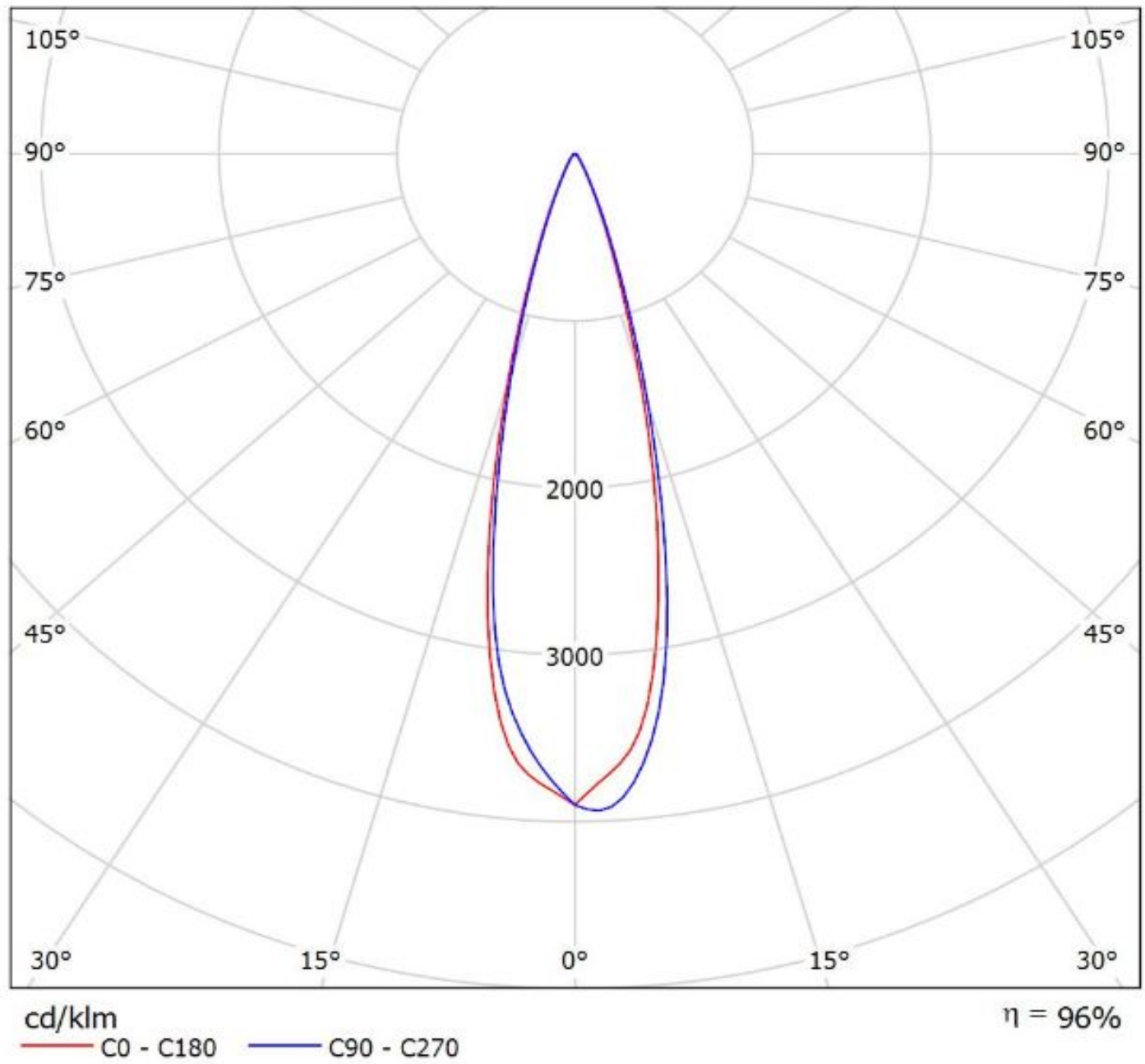
Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(Oslon Square Gen3)_SIMULATED
Lamps: 1 x Osram Oslon Square Gen3



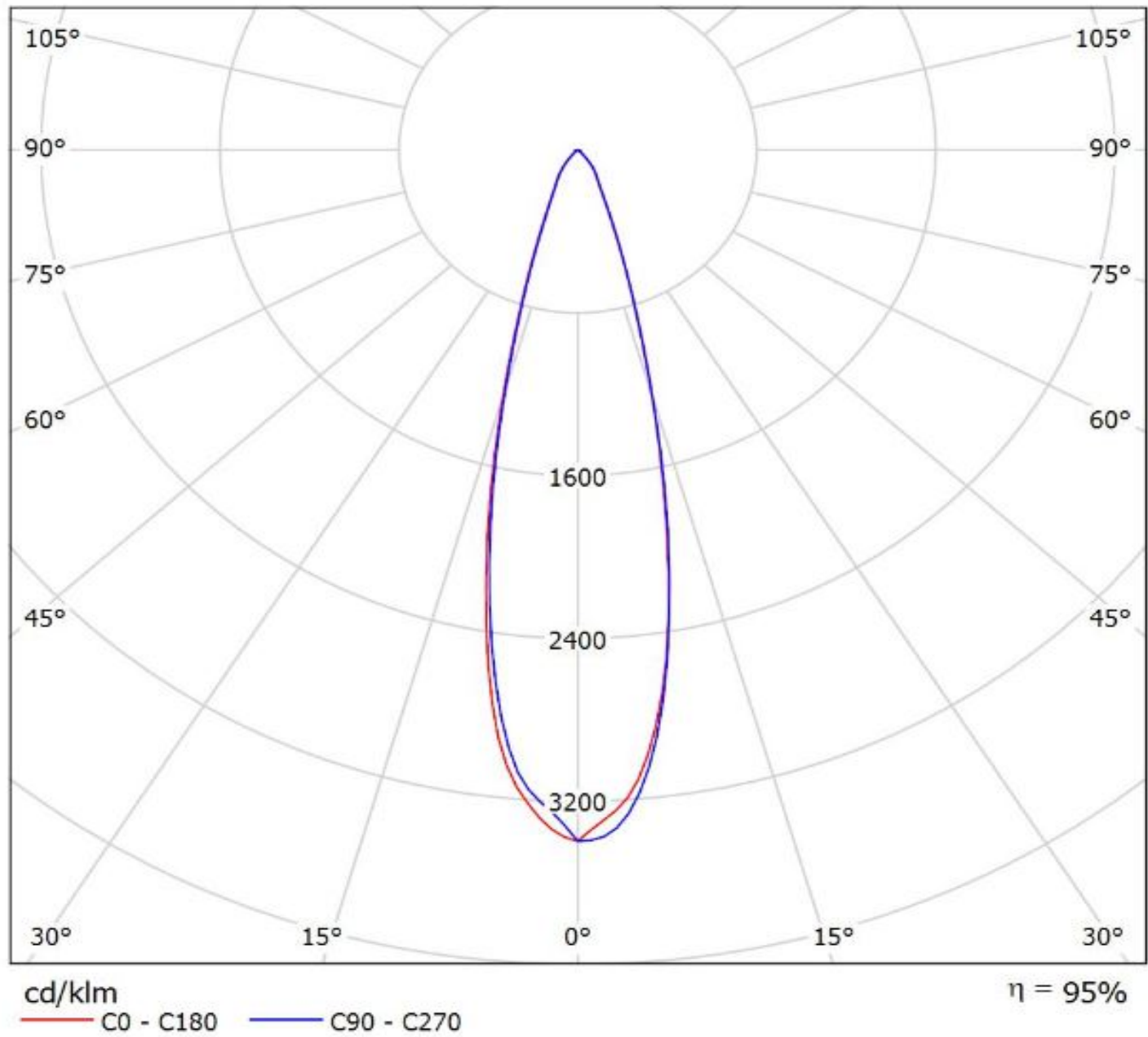
Luminaire: Ledil CS14891_HB-IP-2X6-M_Fortimo FastFlex LED board 2x6 DPX G4
Lamps: 1 x Fortimo FastFlex LED board 2x6 DPX G4



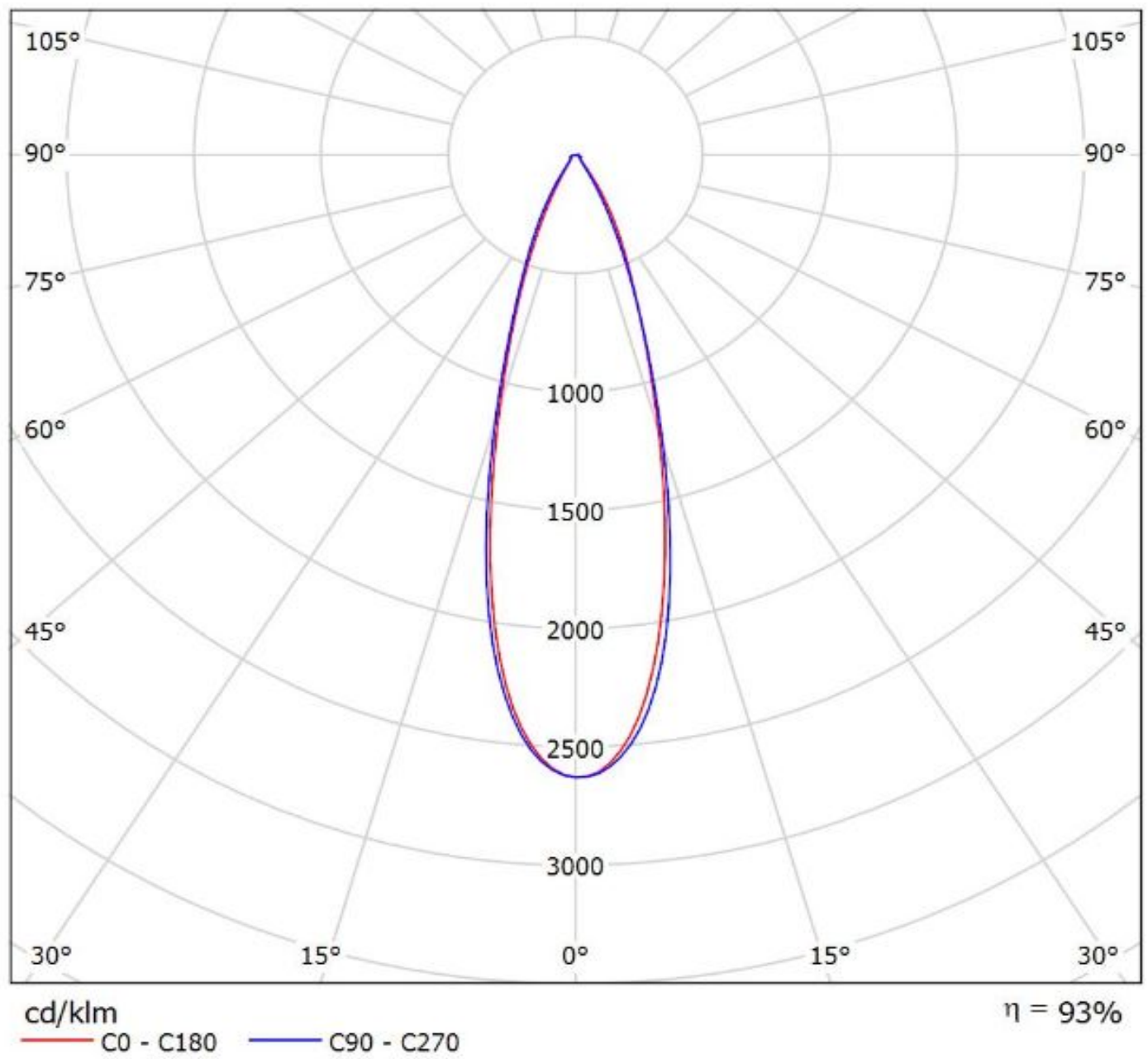
Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_Fortimo FastFlex LED board 2x6 DP G4_SIMULATED
Lamps: 1 x Fortimo FastFlex LED board 2x6 DP G4_SIMULATED



Luminaire: Ledil Oy CS14891_HB-IP-2X6-M_(Samsung_LH181B)_SIMULATED
Lamps: 1 x Samsung_LH181B

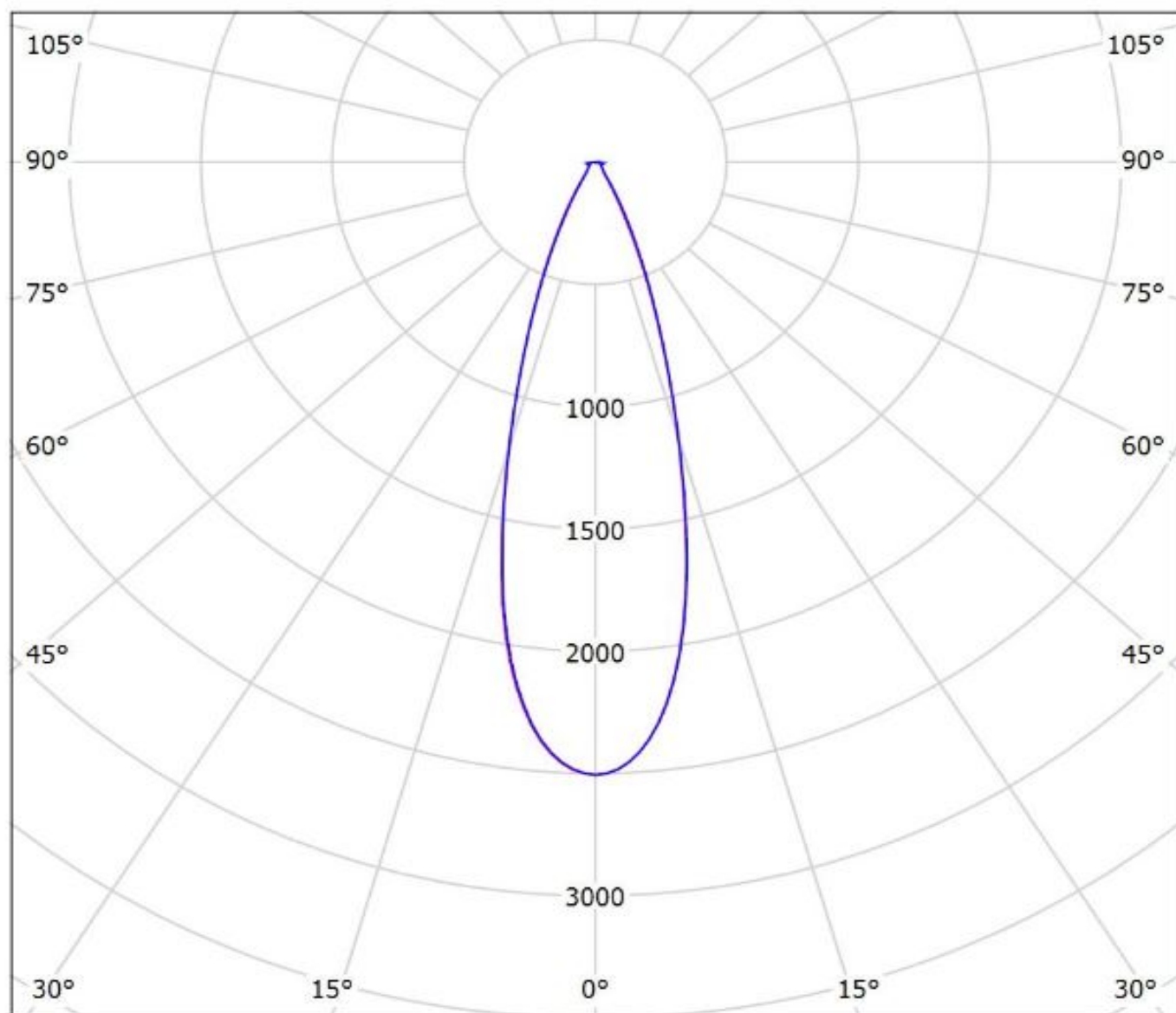


Luminaire: Ledil CS14891_HB-IP-2X6-M_(Z5M1)
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WW-C8)_1201.44lm@250mA_P=8.63825W_I=0.25A



Luminaire: Ledil CS14891_HB-IP-2X6-M_(Z8Y22_PLUS)

Lamps: 1 x Seoul_Z8Y22_PLUS_2X6_(SZ8-Y22-W0-C7P)1489.65lm@250mA_P=8.30675W_I=0.250A



cd/klm

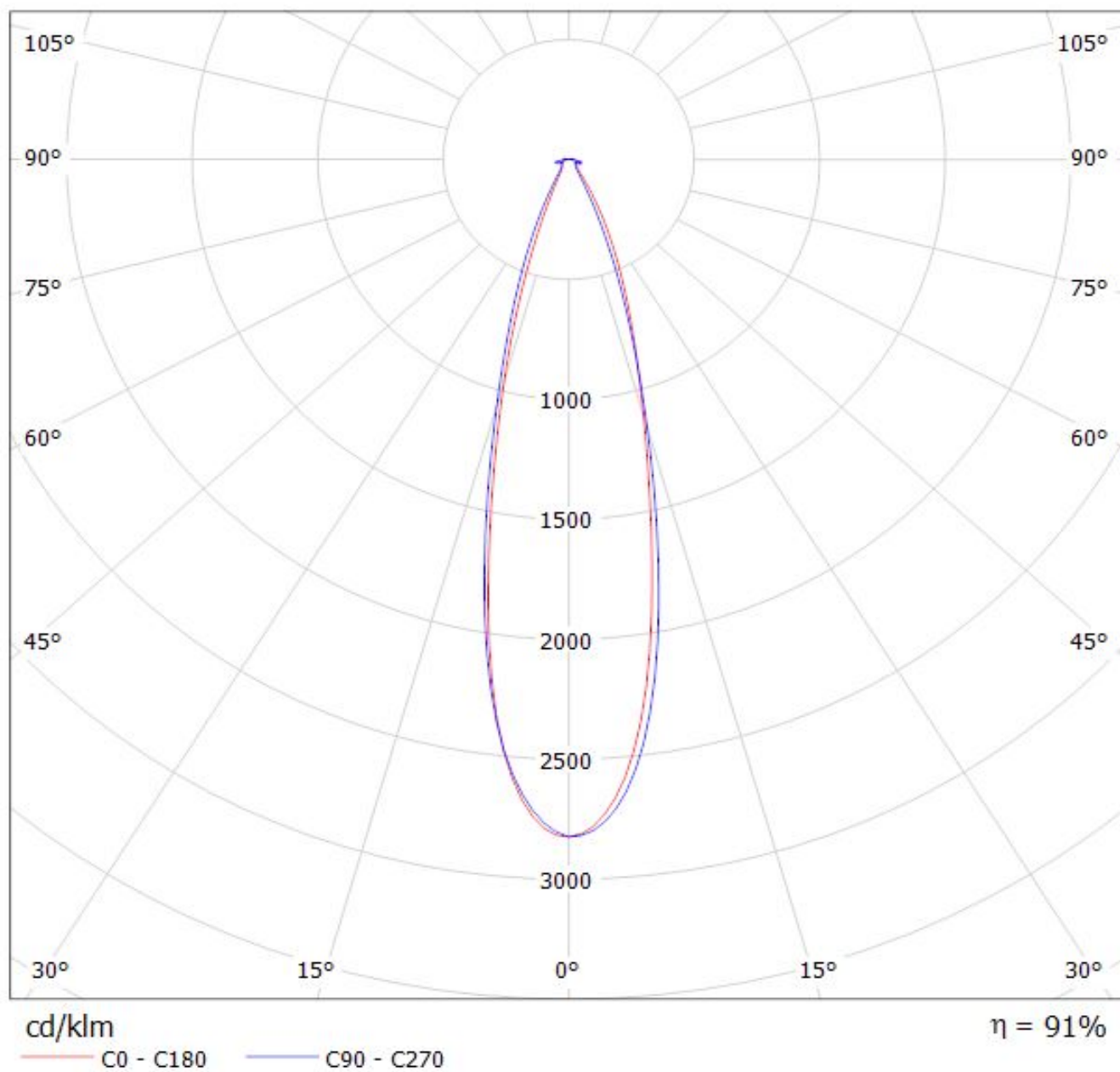
C0 - C180

C90 - C270

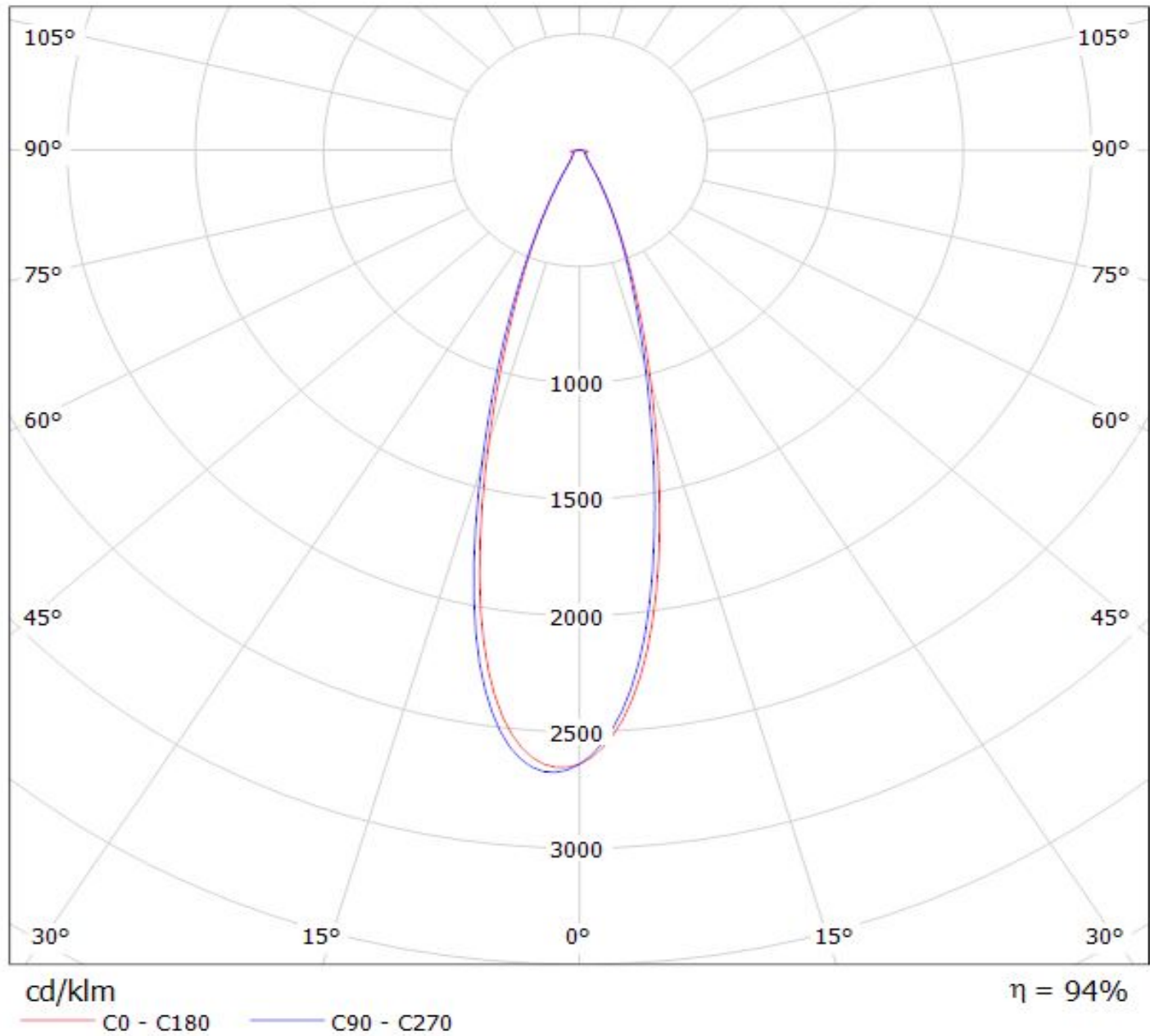
$\eta = 93\%$

Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(SMJQ-D36W12Mx)

Lamps: 1 x Seoul_SMJQ-D36W12Mx_3765.02@700mA_P=23.6218W_I=0.25A



Luminaire: LEDiL Oy CS14891_HB-IP-2X6-M_(SMJQ-D36W12Px)
Lamps: 1 x Seoul_SMJQ-D36W12Px_1404.92lm@250mA_P=8.22866W_I=0.25A



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.