

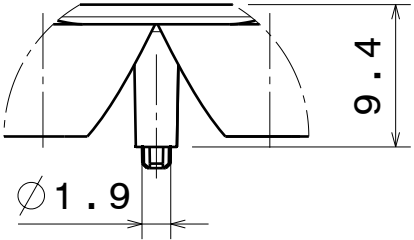
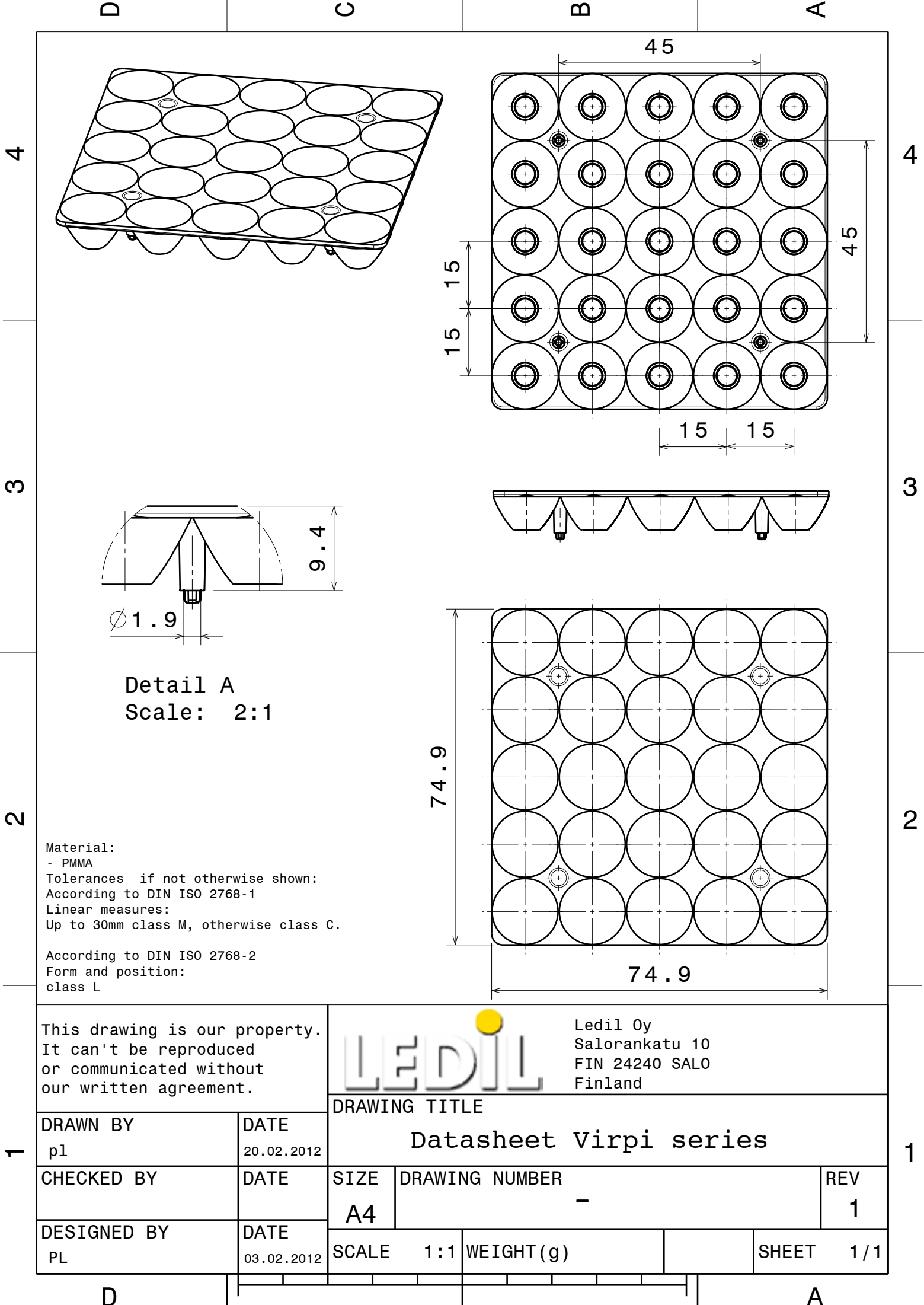
DETAILS

Product Number	C12609_VIRPI-W
Family	Virpi
Type	Lens array
Color	clear
Diameter	74,9 x 74,9 mm
Height	9,4 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	ready
ROHS Compliant	Yes
Date Updated	30/09/2014



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
LUXEON T	(simulated) 42		(simulated) 93 %	(simulated) 1.790	-
Duris S5 (Single chip)	31 degrees		93 %	2.400	-
LM231 A/B	32 degrees		92 %	2.300	-
Duris P5	32 degrees		90 %	2.200	-
NF2x757A	33 degrees		92 %	2.300	-
LG 3030	34 degrees		92 %	2.200	-
XB-D	40 degrees		90 %	1.740	-
NVSxx19A	40 degrees		90 %	1.670	-
XT-E	41 degrees		90 %	1.680	-
XP-E2	41 degrees		91 %	1.700	-
LUXEON Rebel ES	42 degrees		91 %	1.620	-
Oslon Square EC	43 degrees		91 %	1.570	-
XH-B/G	43 degrees		91 %	1.500	-
XP-G	48 degrees		92 %	1.300	-
XP-G2	49 degrees		91 %	1.300	-



Detail A
Scale: 2:1

Material:
- 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

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

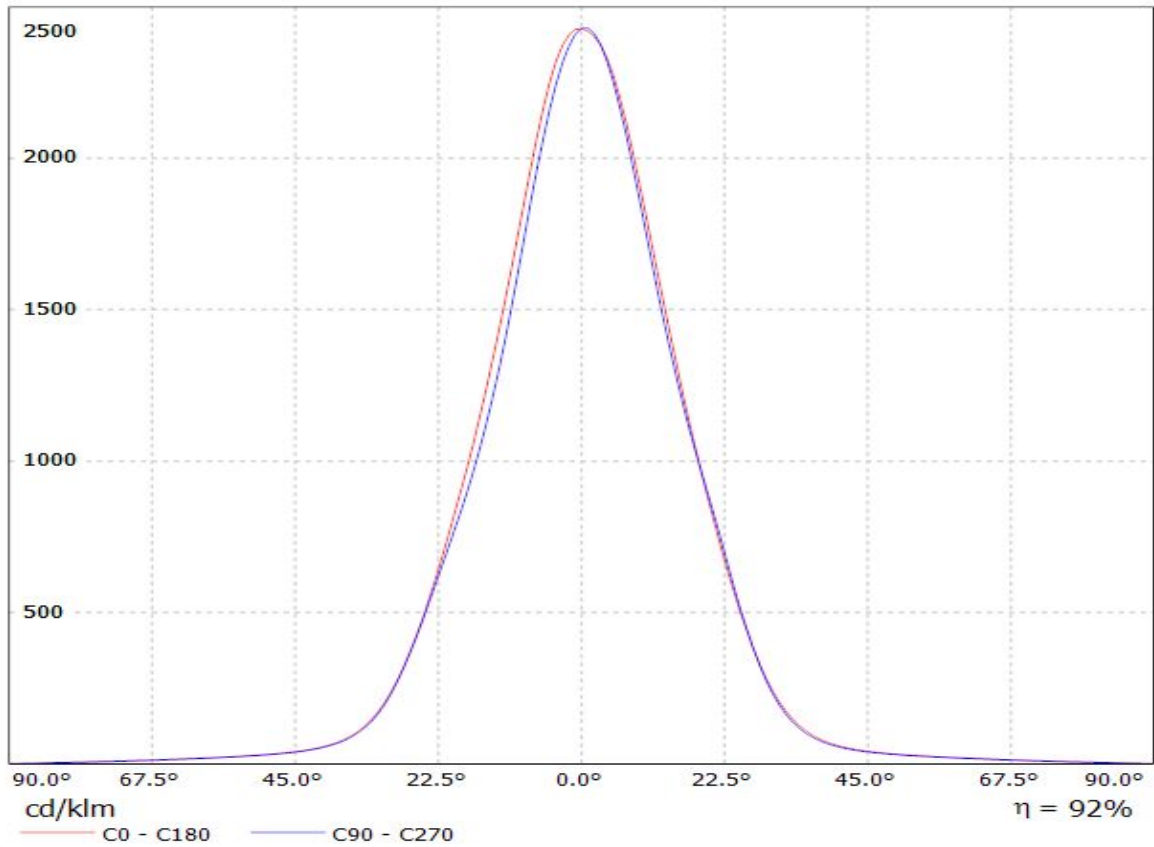
DRAWING TITLE

Datasheet Virpi series

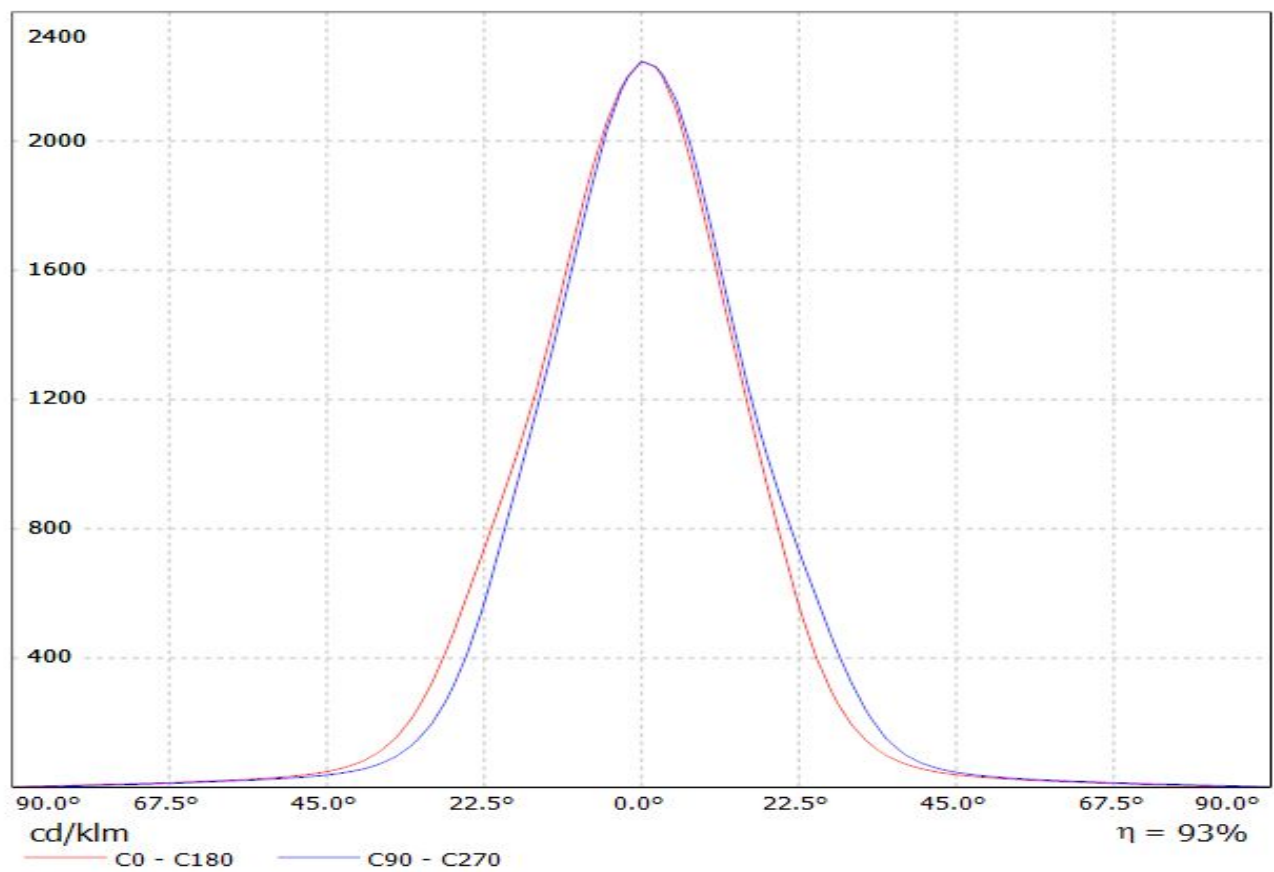
DRAWN BY pl	DATE 20.02.2012
CHECKED BY	DATE
DESIGNED BY PL	DATE 03.02.2012

SIZE A4	DRAWING NUMBER -	REV 1
SCALE 1:1	WEIGHT (g)	SHEET 1/1

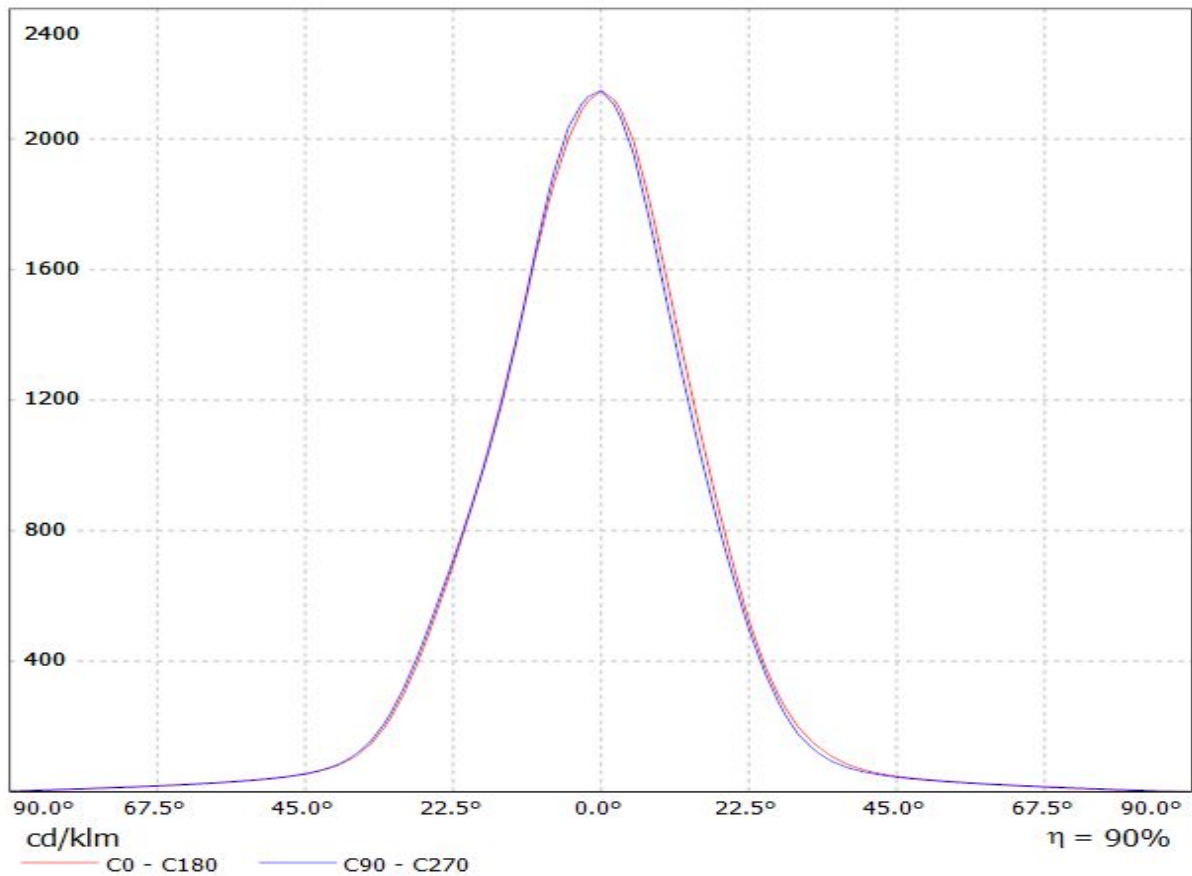
Luminaire: LEDiL Oy C12609_VIRPI-W_(DURIS-S5)
Lamps: 1 x OSRAM_DURIS-S5_5x5_(GW_PSLLS1.EC-HPHR-5L7N-1)_160.476lm@80mA_P=1.10163W_I=80.2mA



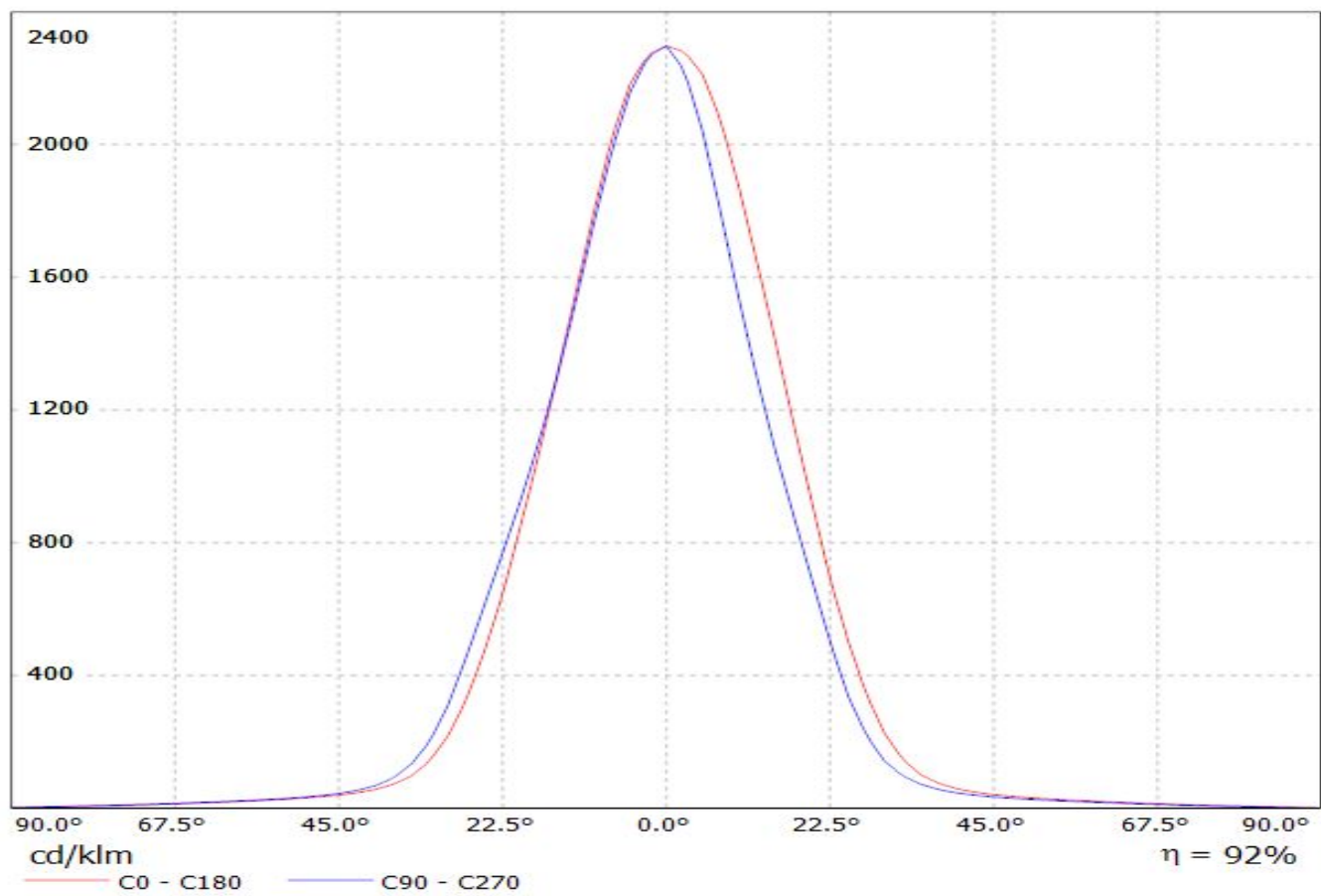
Luminaire: LEDiL Oy C12609_VIRPI-W_(LM231B)
Lamps: 1 x SAMSUNG_LM231B_5X5_121.687lm@65mA_P=0.886133W_I=65,2mA



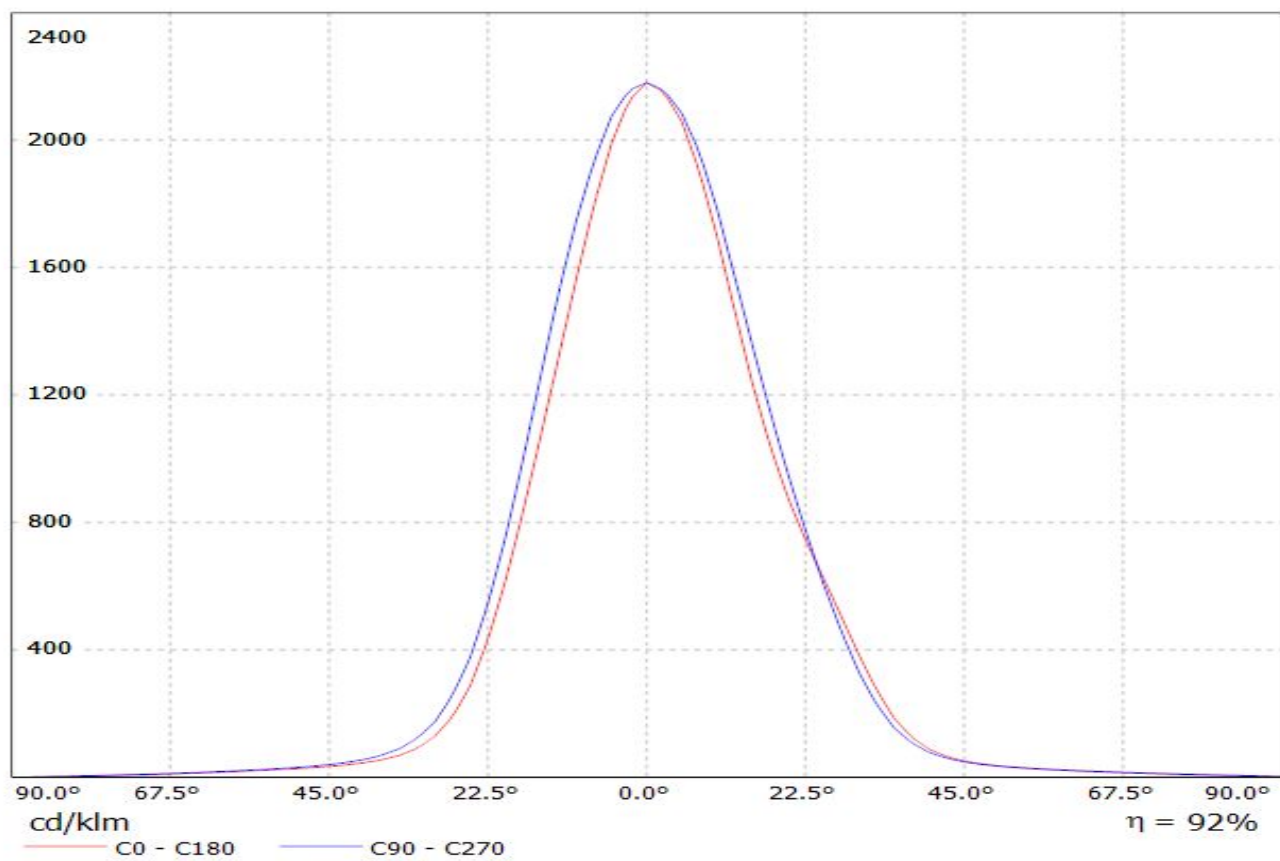
Luminaire: LEDiL Oy CC12609_VIRPI-W_(DURIS_P5)
Lamps: 1 x OSRAM_DURIS_P5_5x5_(GW_DASPA1.EC-HPHR-5R8T-1)_163.795lm@100mA_P=1.37895W_I=100.2mA



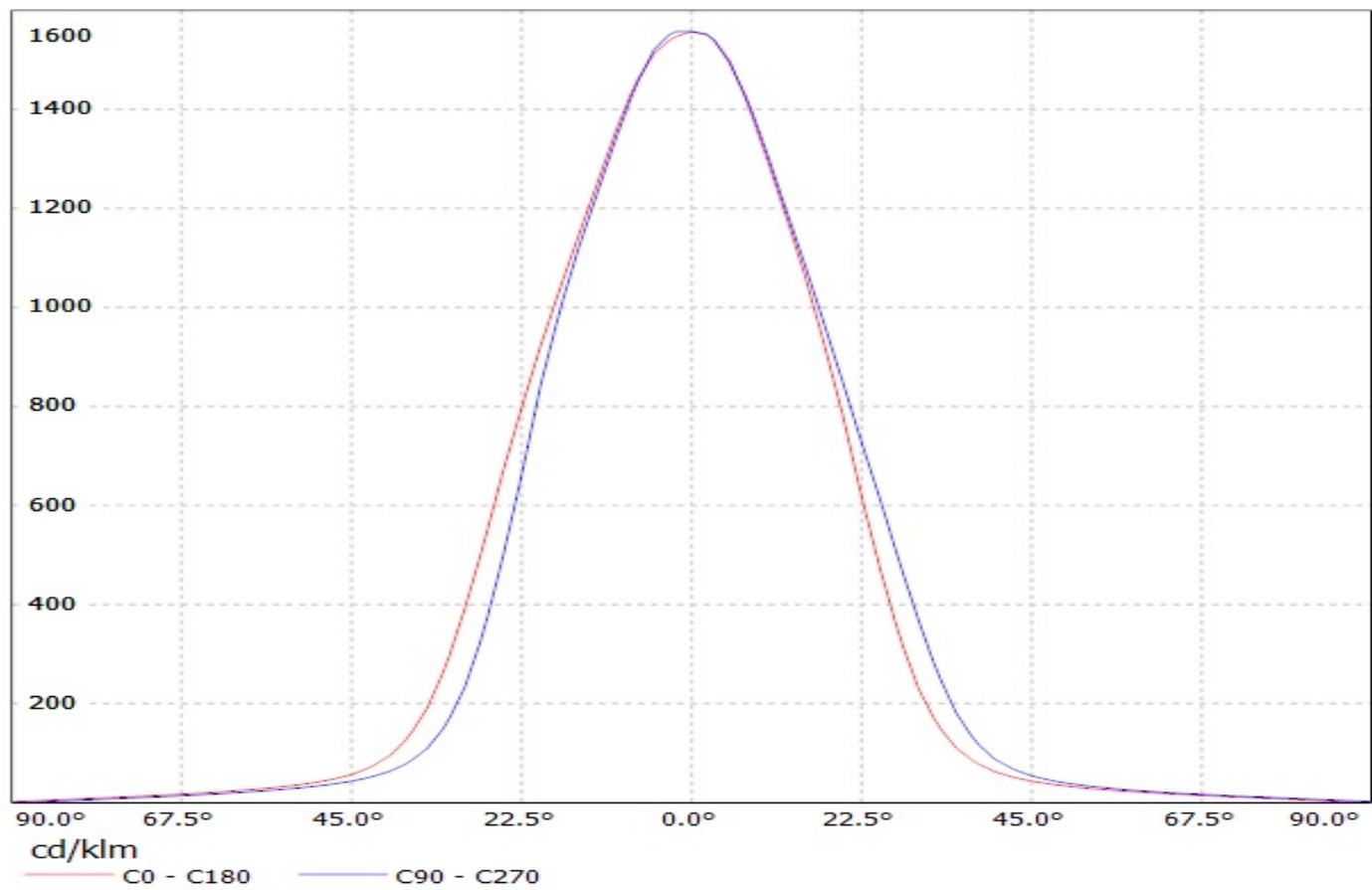
Luminaire: LEDiL Oy C12609_VIRPI-W_(NF2x757A)
Lamps: 1 x Nichia_NF2x757A_(NF2W757ARTV1)_1037.67lm@250mA P=6.97966W I=249.8mA



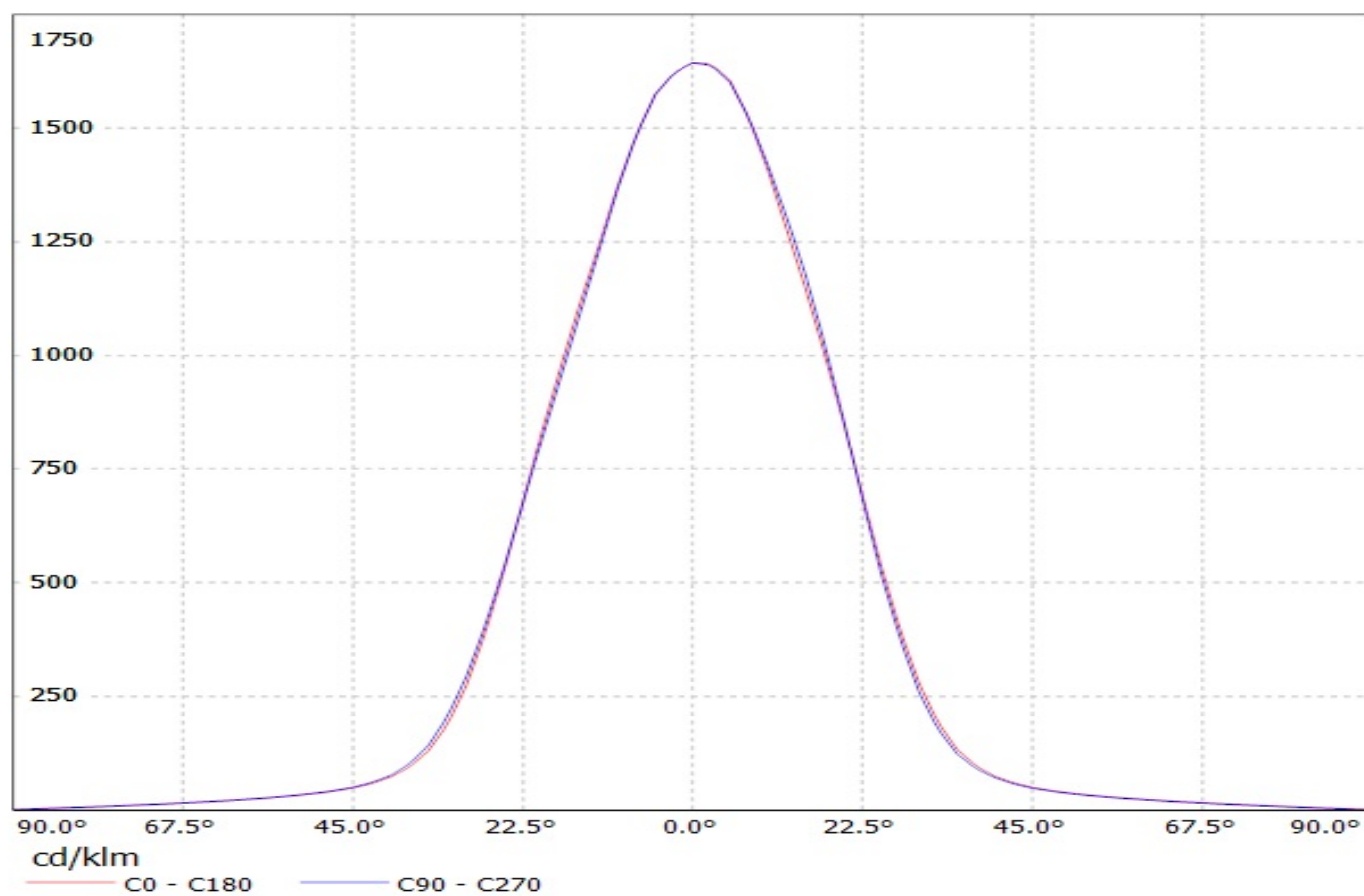
Luminaire: LEDiL Oy C12609_VIRPI-W_(LG_3030)
Lamps: 1 x LG_3030_3000K_524.574lm@150mA_P=4.1244_I=150mA



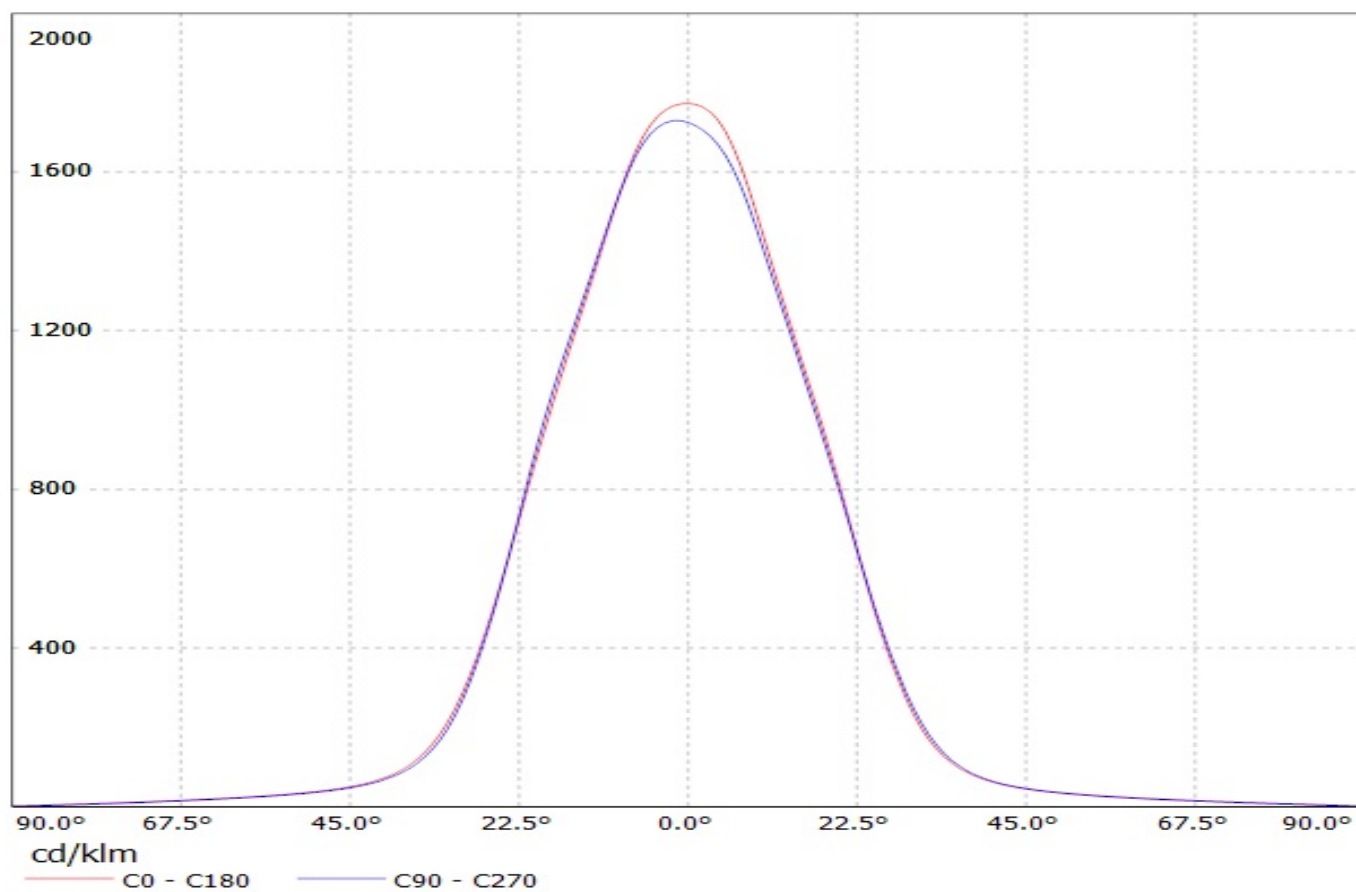
Luminaire: LEDiL Oy C12609_VIRPI-W_(XB-D) Eff. 90%
Lamps: 1 x XB-D_5x5 (1878.23lm@250mA)



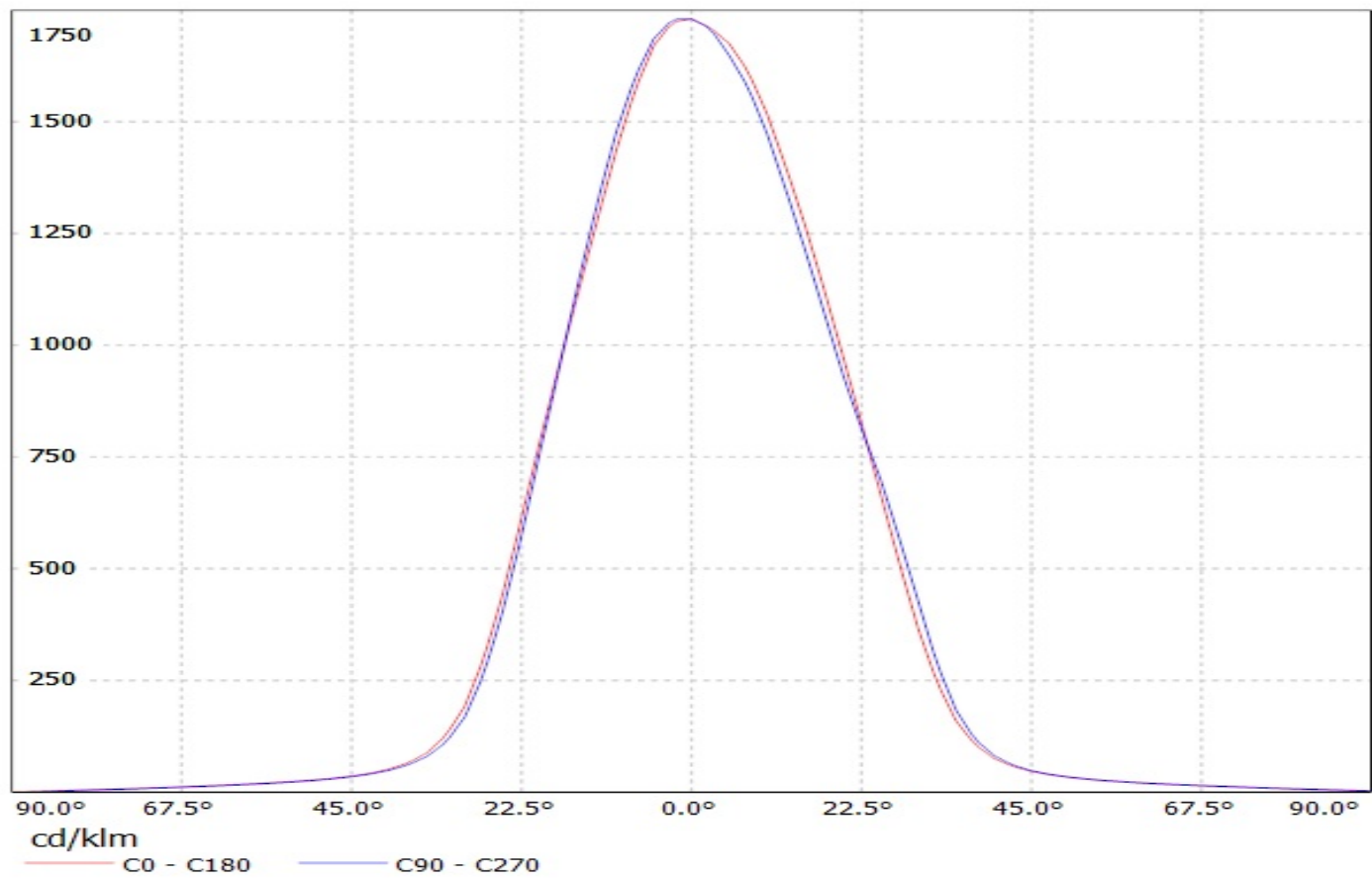
Luminaire: LEDiL Oy C12609_VIRPI-W_(NVS19) Eff: 90%
Lamps: 1 x NVS19_5x5 (1974lm@250mA)



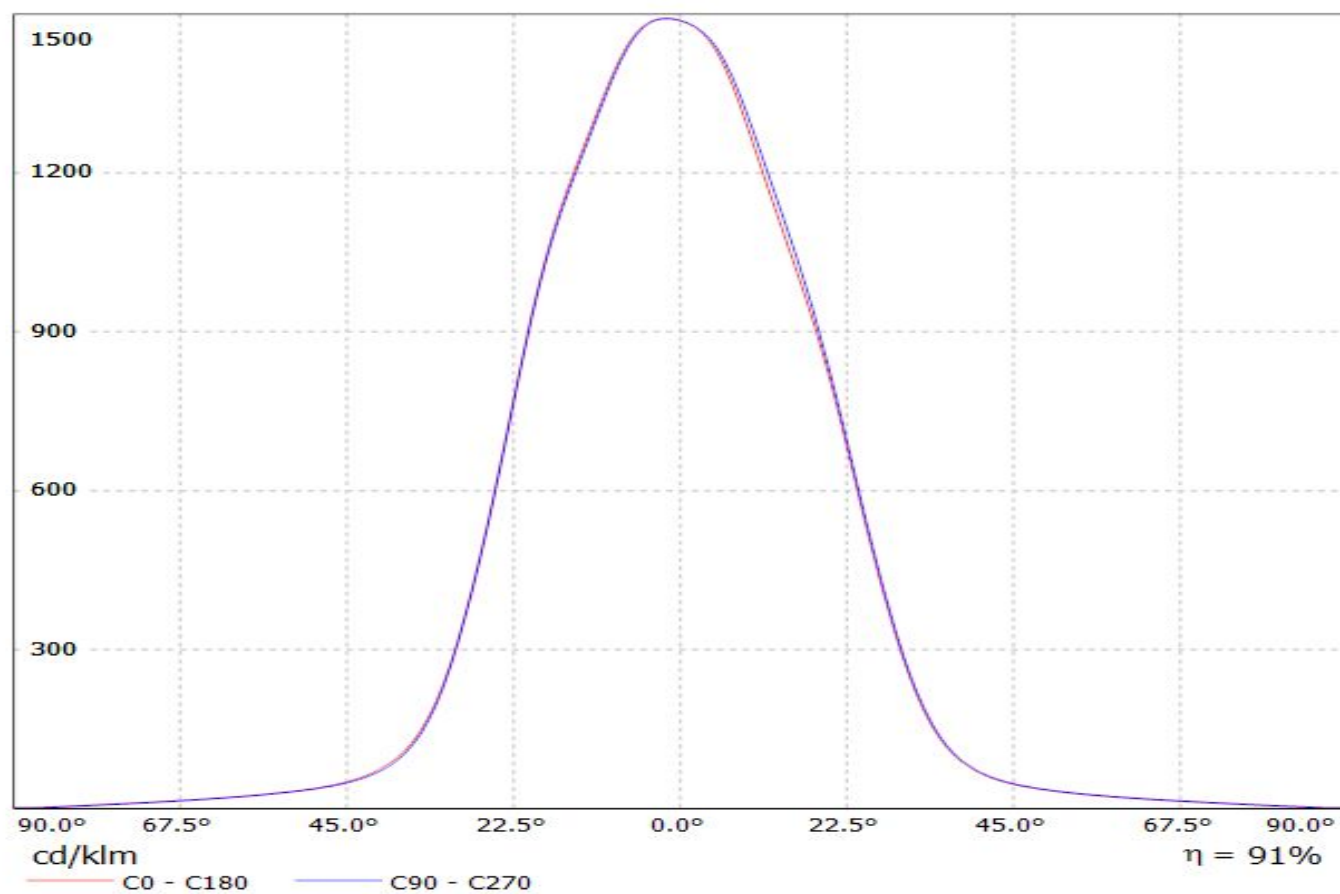
Luminaire: LEDiL Oy C12609_VIRPI-W_(XT-E) Eff: 90%
Lamps: 1 x XT-E_5x5 (2049.85lm@250mA)



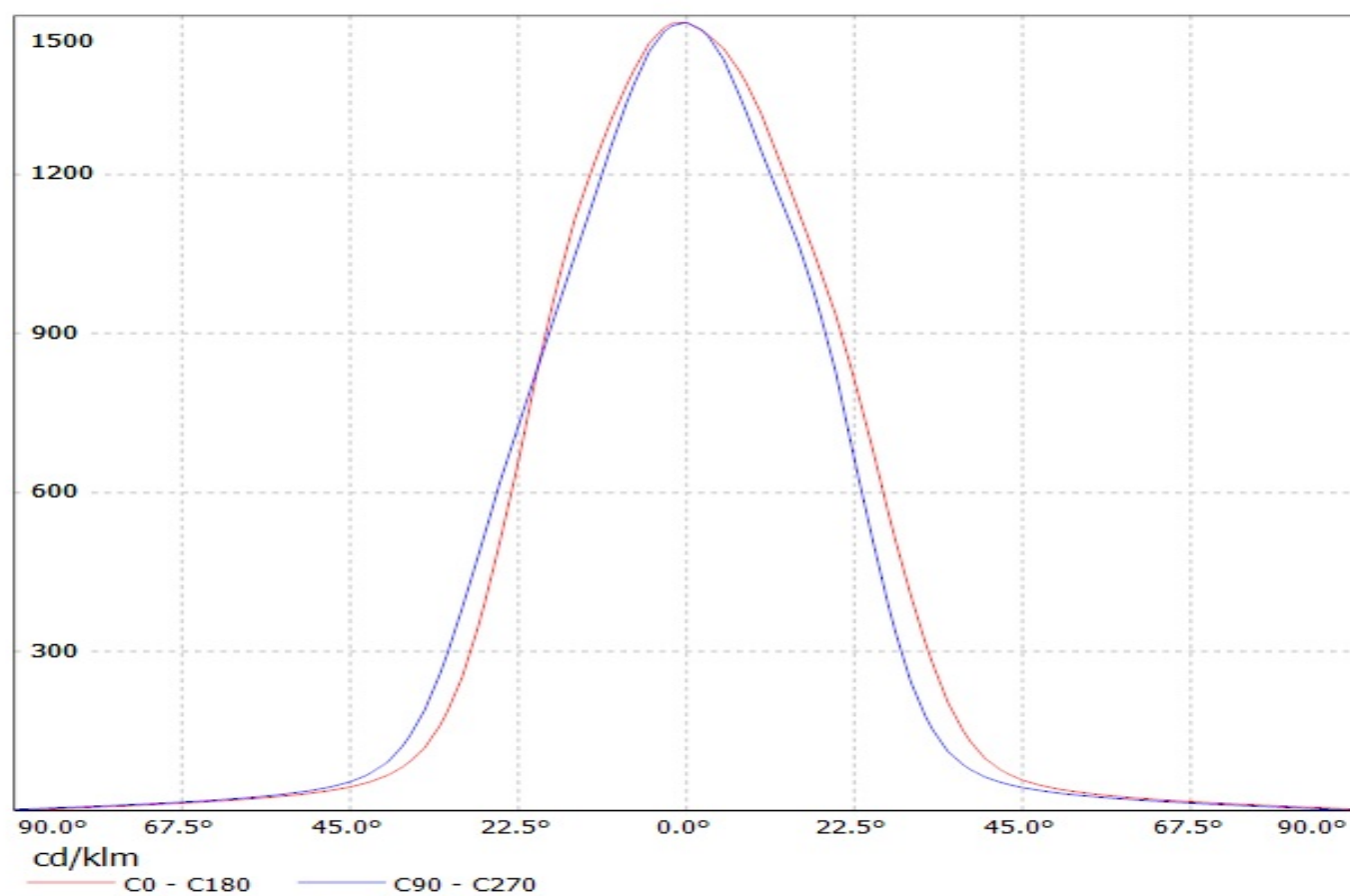
Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-E2) Eff: 91%
Lamps: 1 x XP-E2_x25 (2039.65lm@250mA)



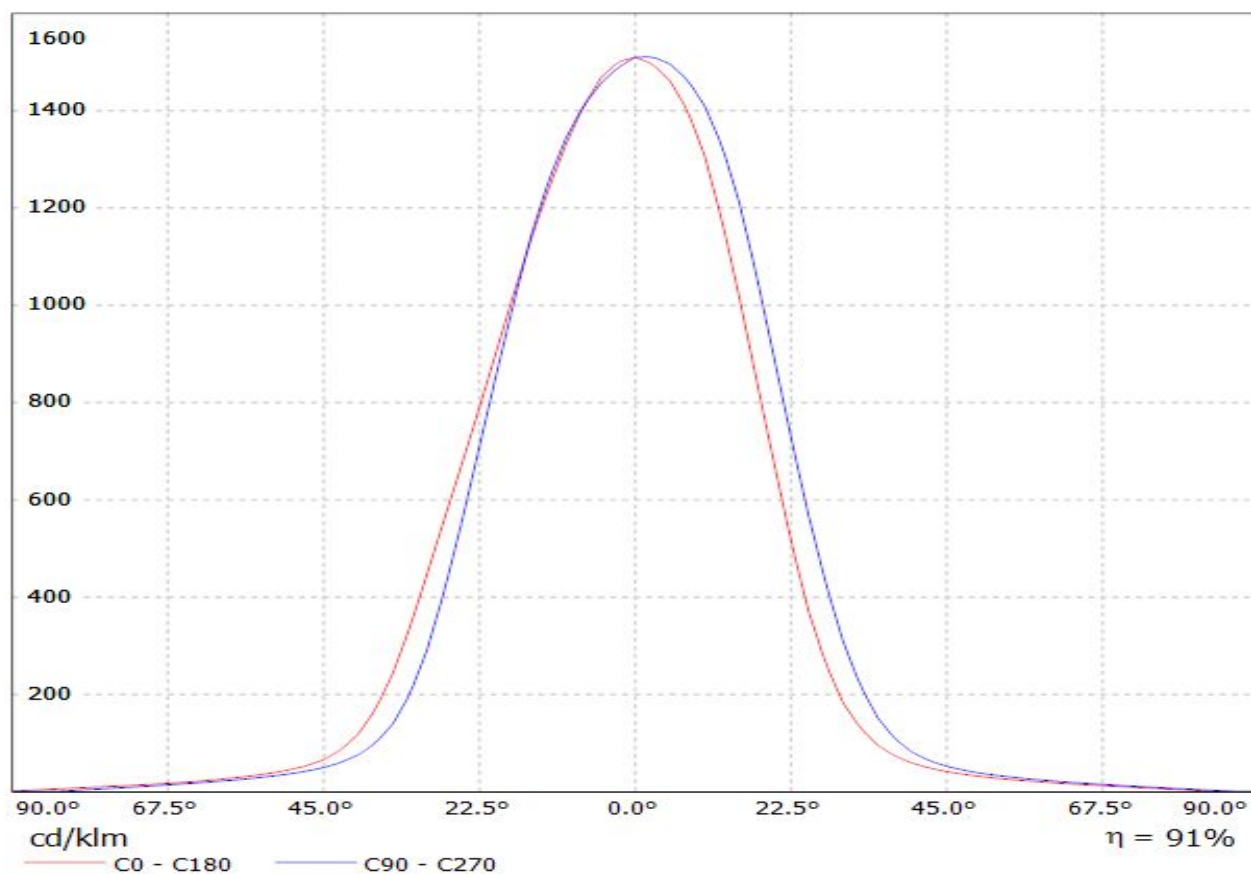
Luminaire: LEDiL Oy C12609_VIRPI-W_(REBEL-ES) Eff.91.0%
Lamps: 1 x REBEL-ES_VIRPI_5x5 (1790.01lm@250mA)



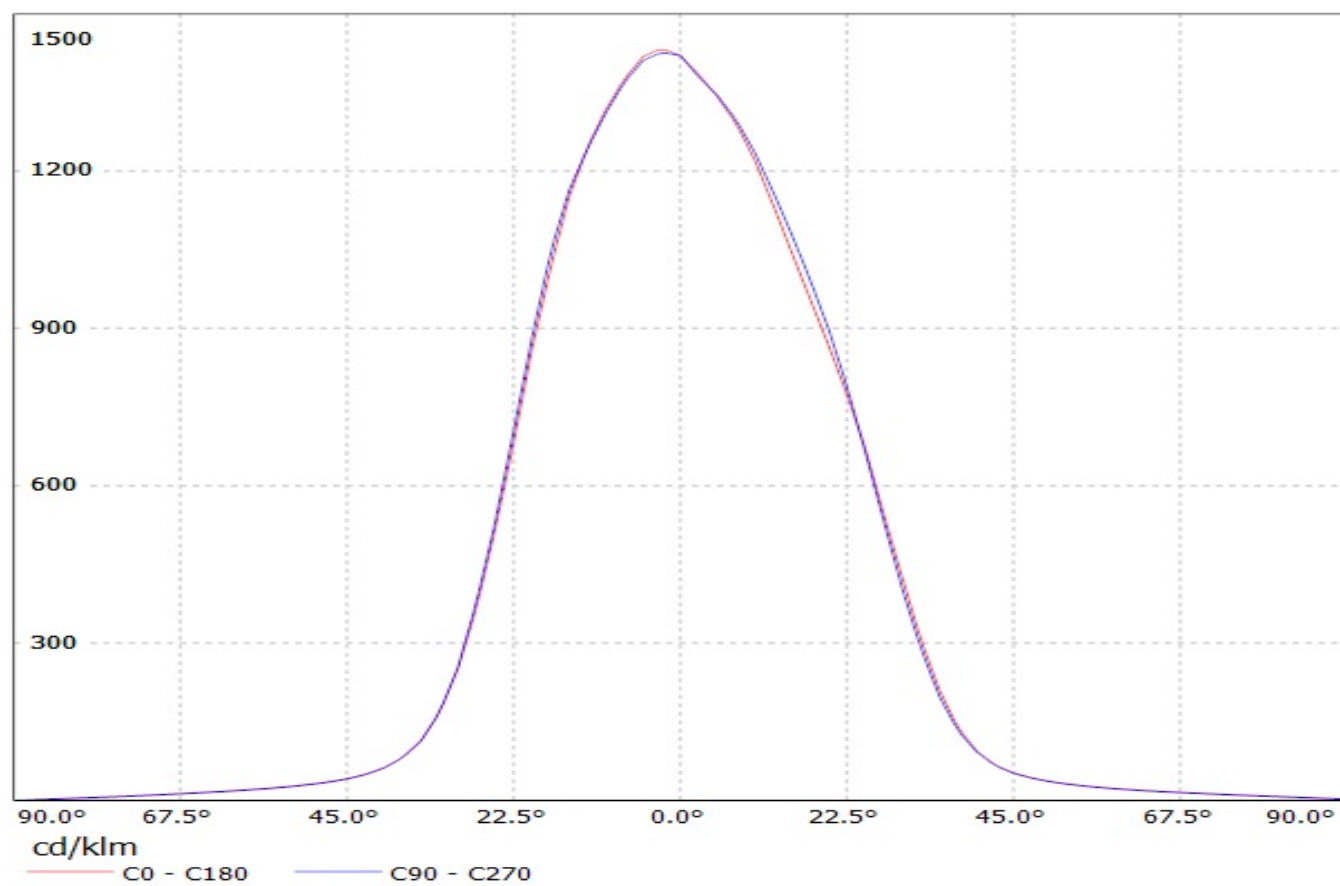
Luminaire: LEDiL Oy C12609_VIRPI-W_(SQ-EC) Eff: 91%
Lamps: 1 x SQ-EC_5x5 (2043.47lm@250mA)



Luminaire: LEDiL Oy C12609_VIRPI-W_(XH-B)
Lamps: 1 x CREE_XH-B_136.467lm@65mA_P=0.911626_I=65.2mA



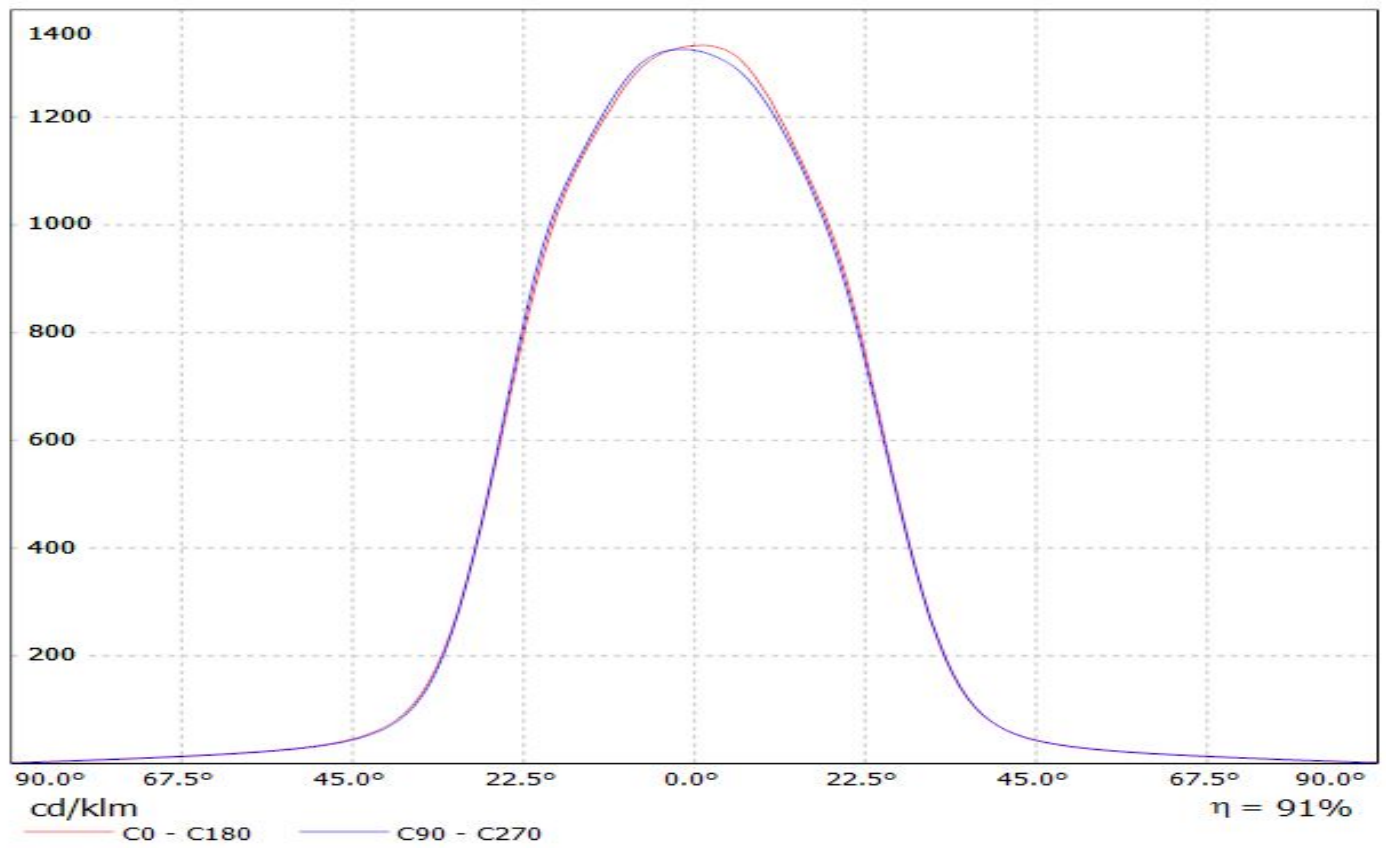
Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-G) Eff. 92%
Lamps: 1 x XP-G_5x5 (1544.25lm@250mA)



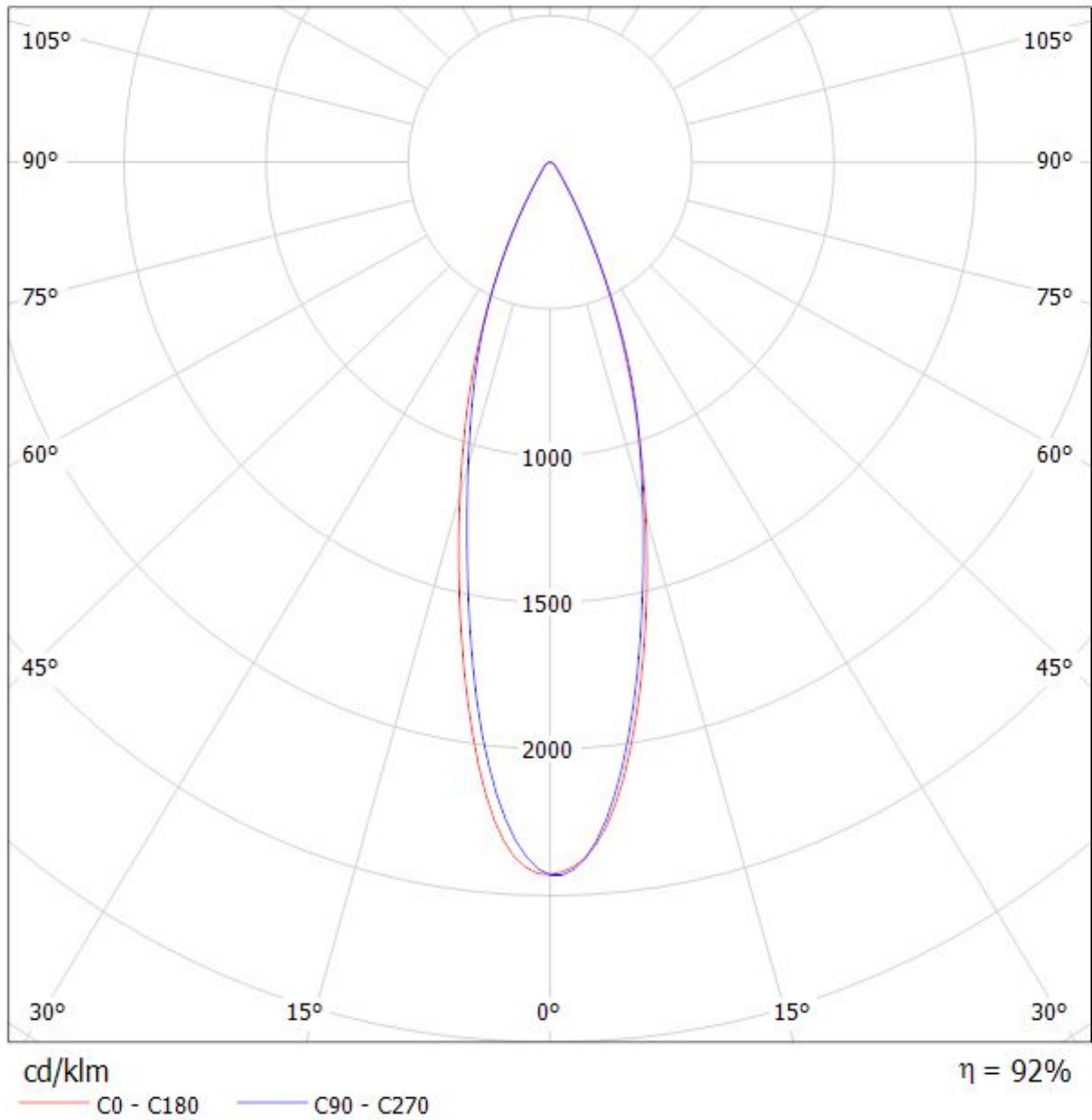
LEDiL Oy C12609_VIRPI-W_(XP-G2) Eff.91.3% / LDC (Linear)

Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-G2) Eff.91.3%

Lamps: 1 x XP-G2_x25 (2535.22lm@250mA)

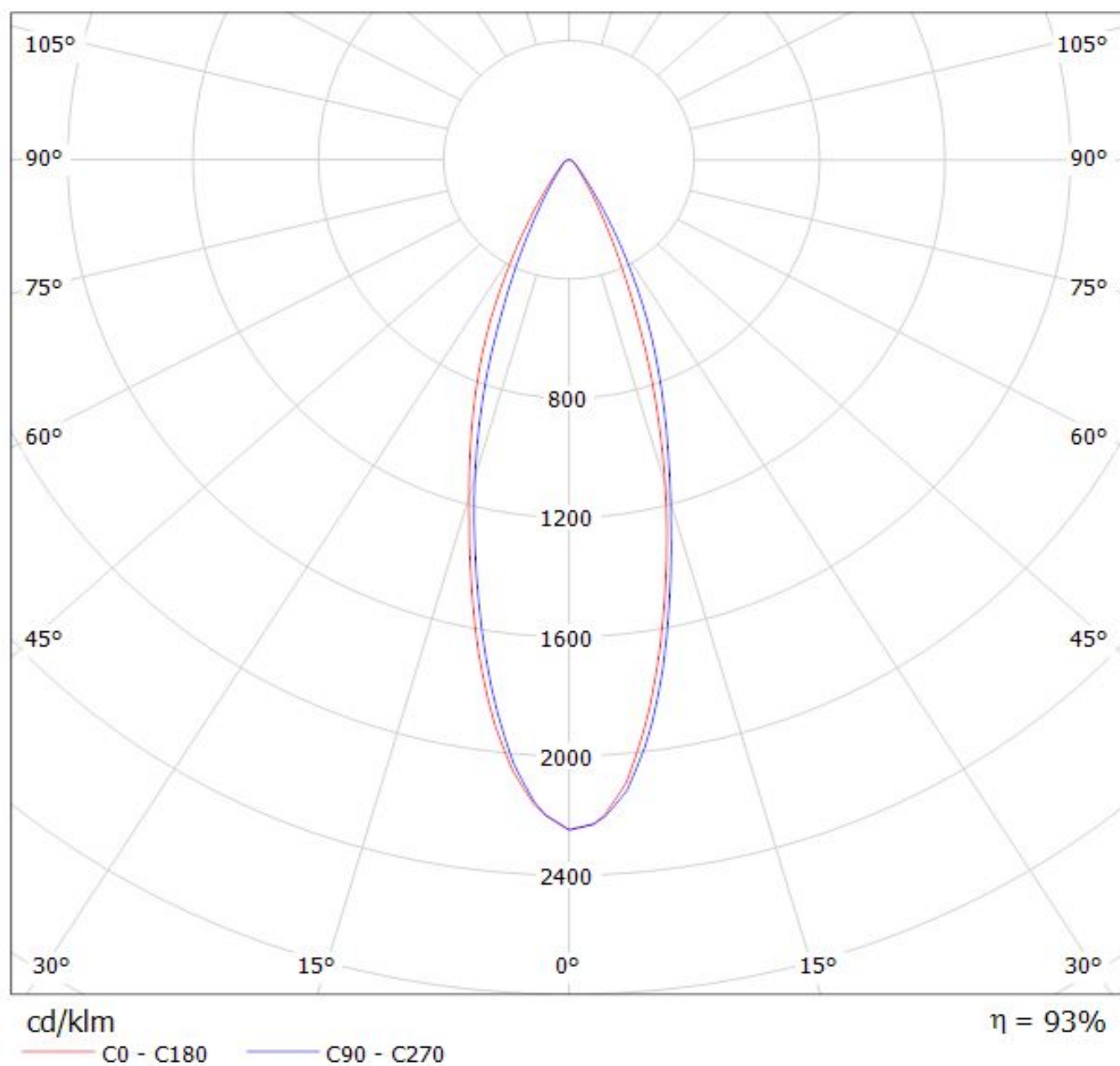


Luminaire: LEDiL Oy C12609_VIRPI-W_(DURIS-S5)
Lamps: 1 x OSRAM_DURIS-S5_5x5_(GW_PSLLS1.EC-HPHR-5L7N-1)_160.476lm@80mA_P=1.10163W_I=80.2mA



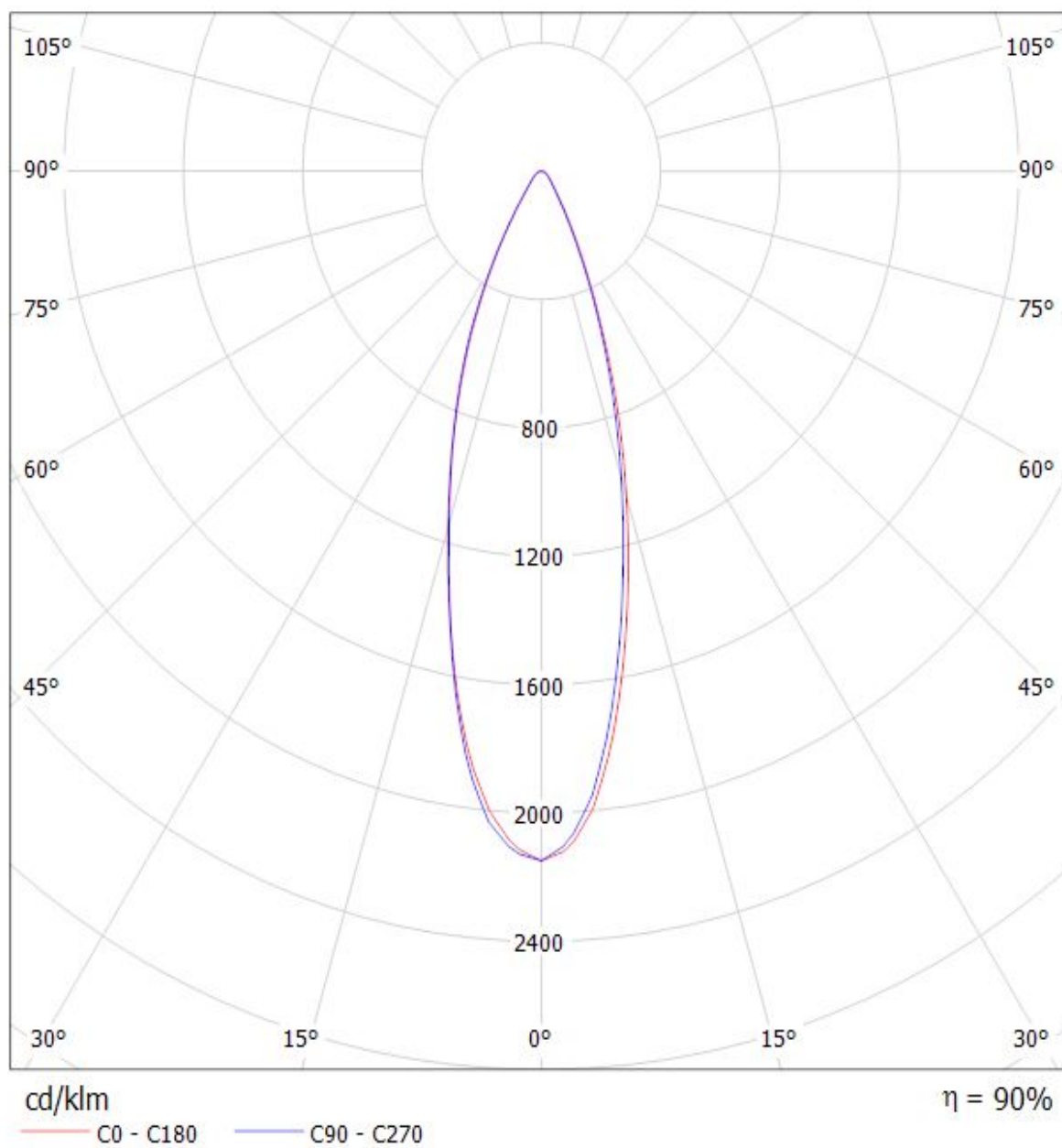
Luminaire: LEDiL Oy C12609_VIRPI-W_(LM231B)

Lamps: 1 x SAMSUNG_LM231B_5X5_121.687lm@65mA_P=0.886133W_I=65,2mA

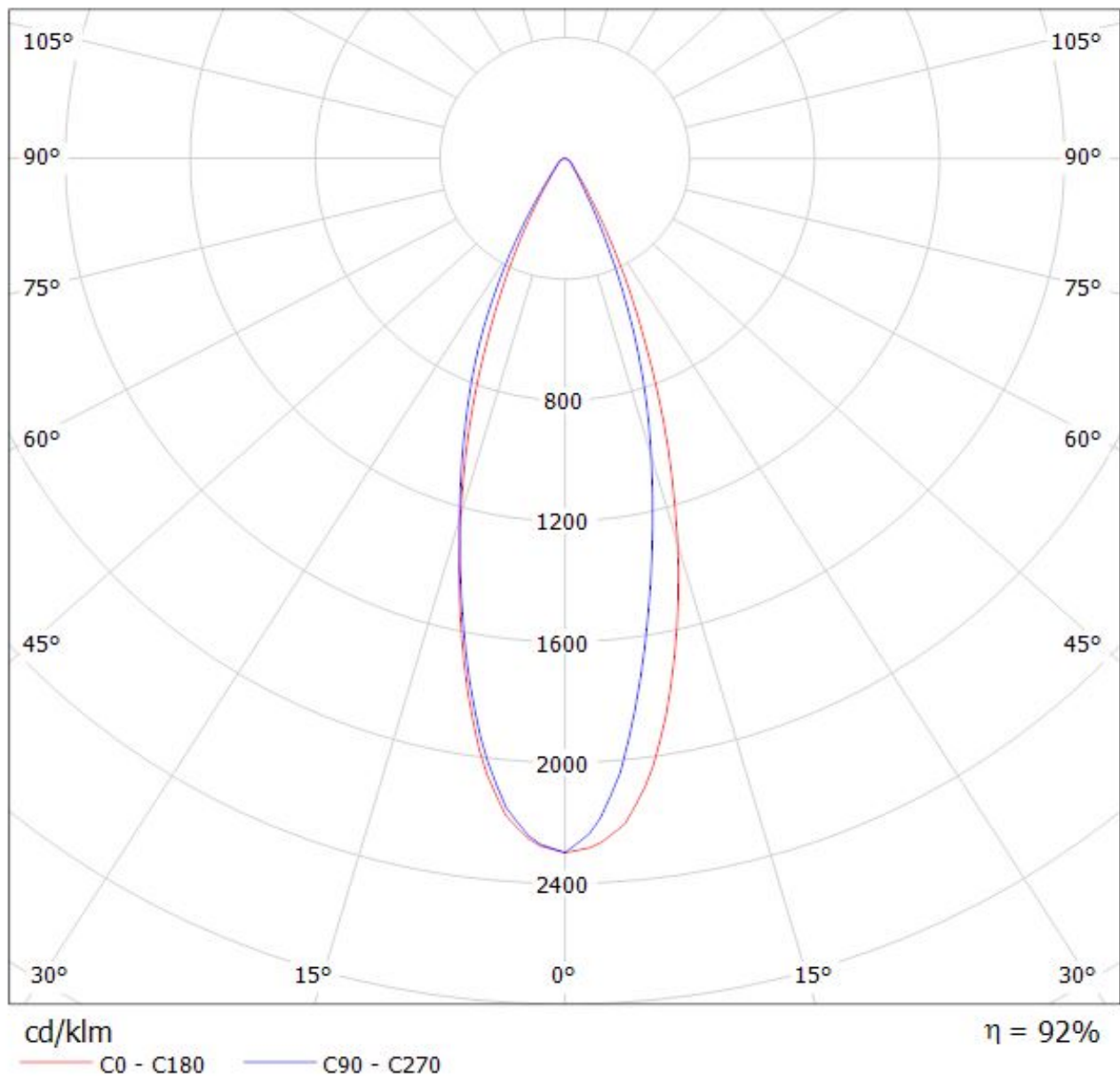


Luminaire: LEDiL Oy CC12609_VIRPI-W_(DURIS_P5)

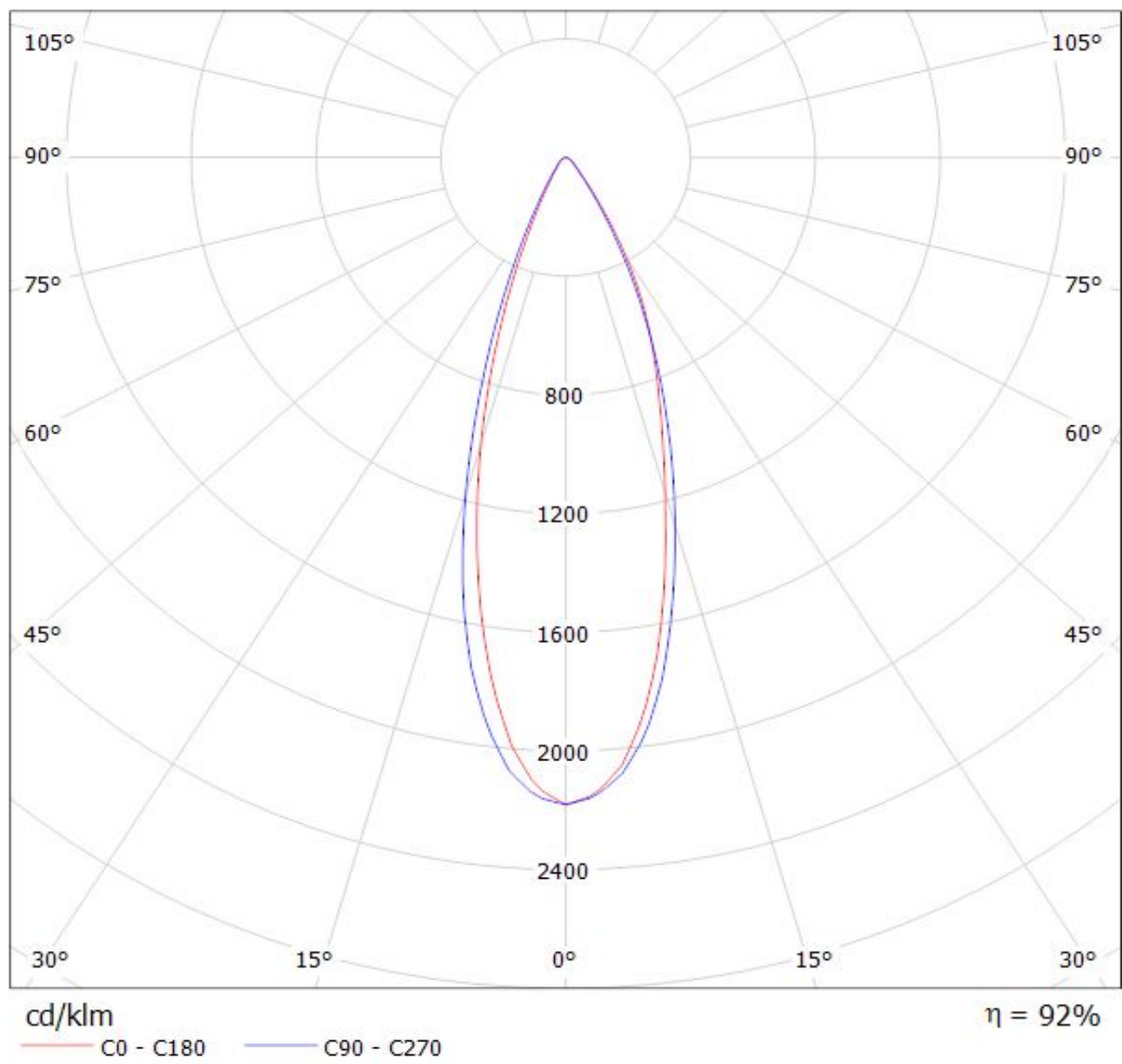
Lamps: 1 x OSRAM_DURIS_P5_5x5_(GW_DASPA1.EC-HPHR-5R8T-1)_163.795lm@100mA_P=1.37895W_I=100.2mA



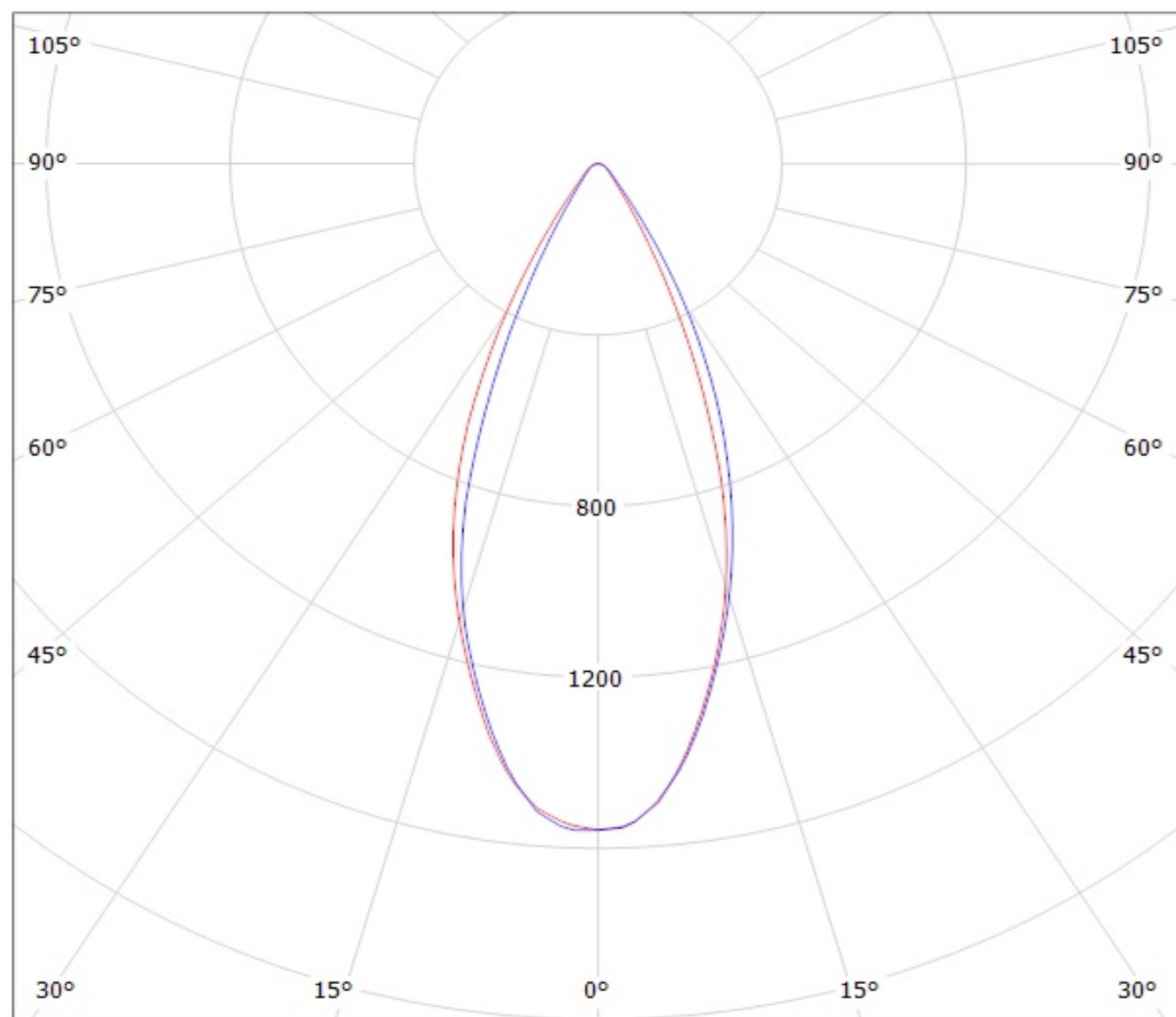
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Luminaire: LEDiL Oy C12609_VIRPI-W_(LG_3030)
Lamps: 1 x LG_3030_3000K_524.574lm@150mA_P=4.1244_I=150mA



Luminaire: LEDiL Oy C12609_VIRPI-W_(XB-D) Eff: 90%
Lamps: 1 x XB-D_5x5 (1878.23lm@250mA)

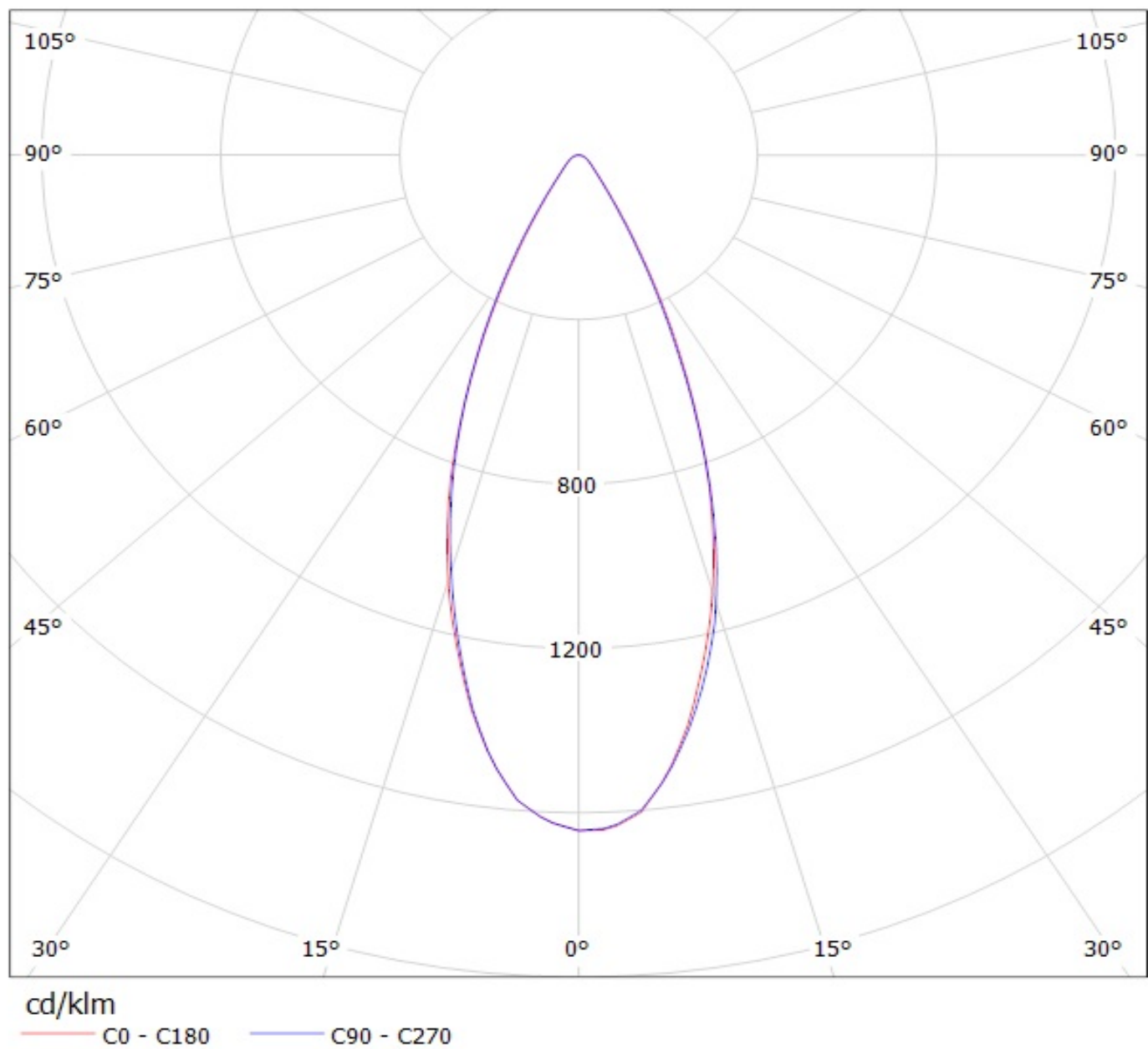


cd/klm

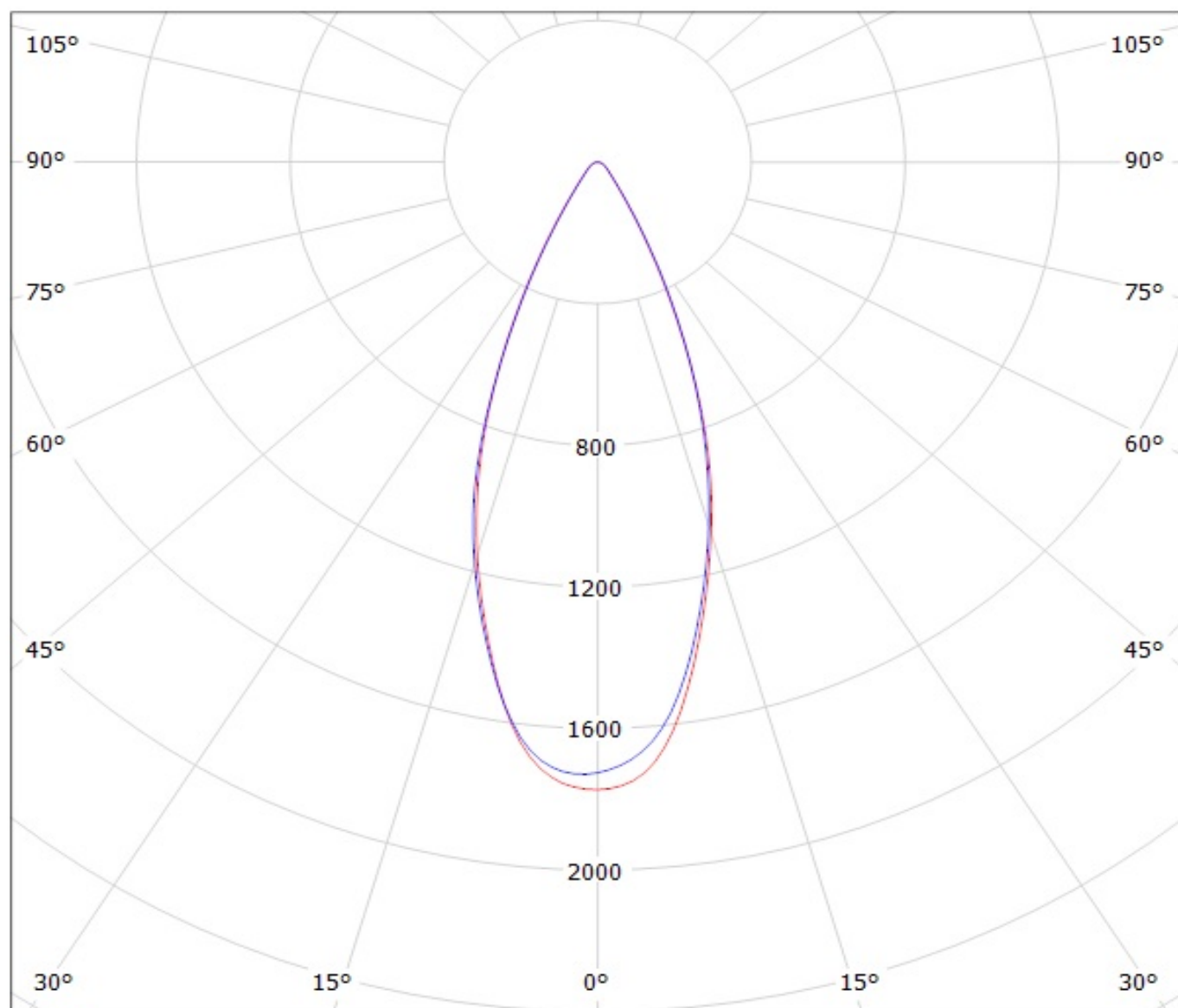
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12609_VIRPI-W_(NVS19) Eff: 90%
Lamps: 1 x NVS19_5x5 (1974lm@250mA)



Luminaire: LEDiL Oy C12609_VIRPI-W_(XT-E) Eff. 90%
Lamps: 1 x XT-E_5x5 (2049.85lm@250mA)

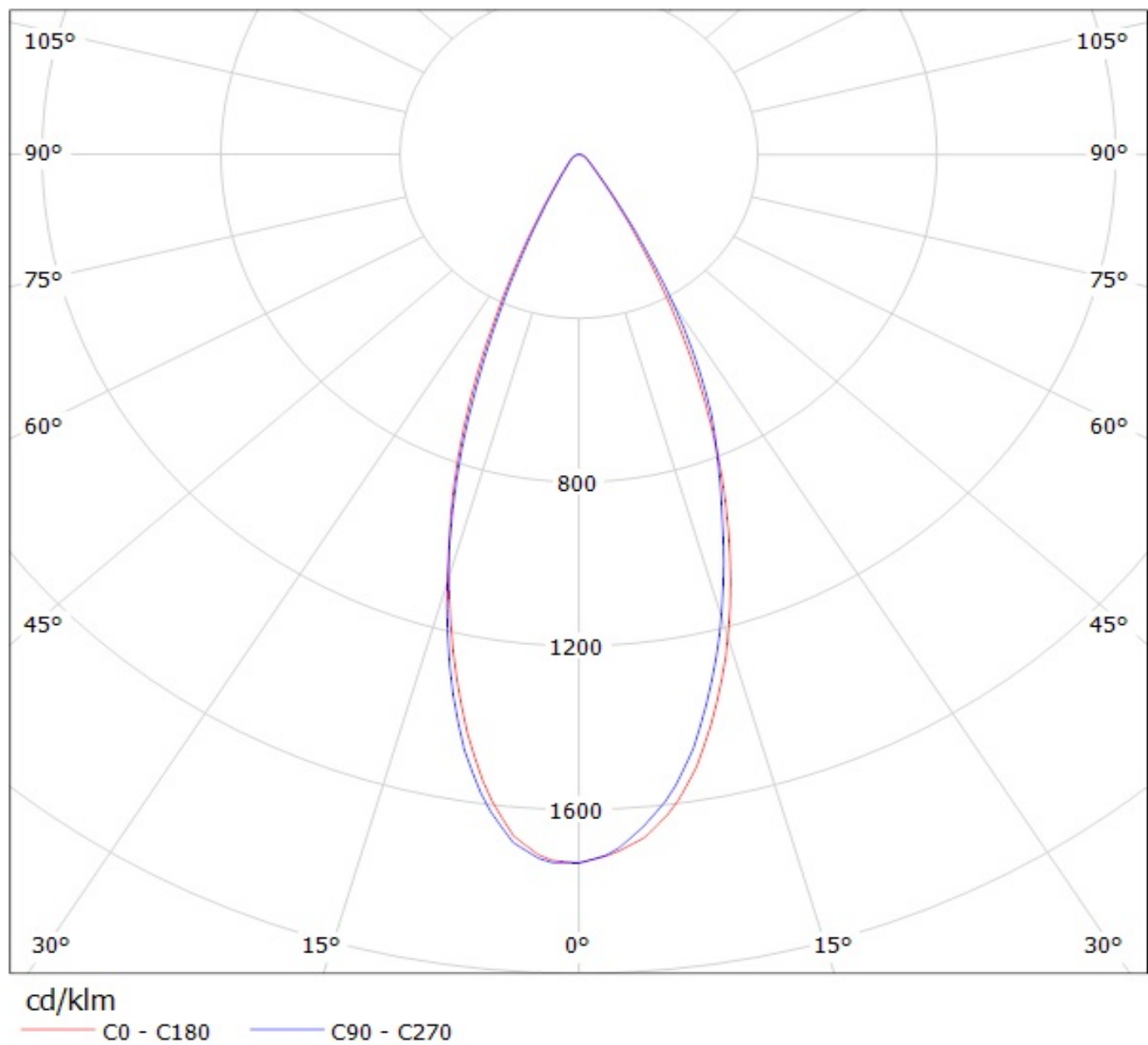


cd/klm

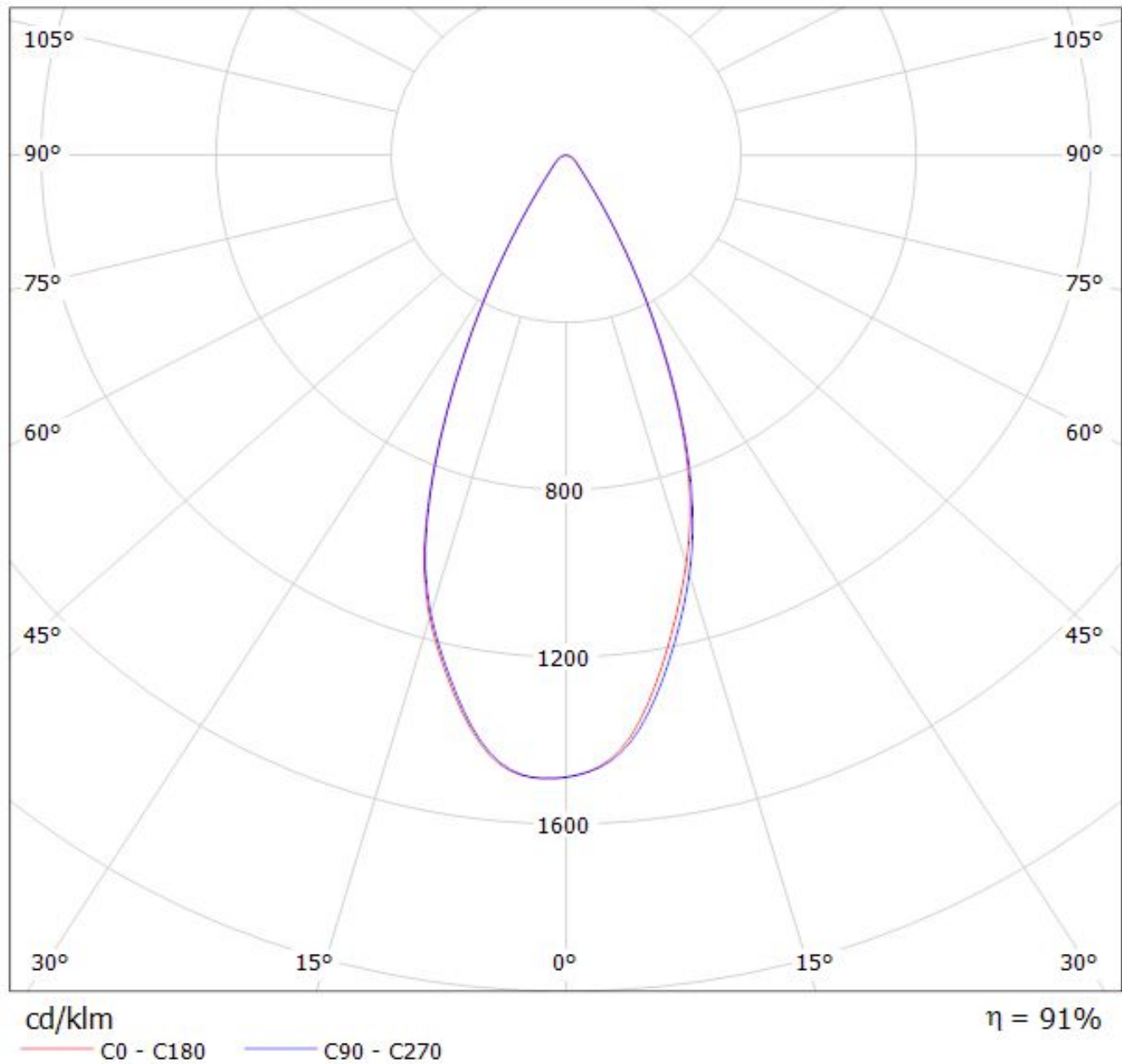
— C0 - C180

— C90 - C270

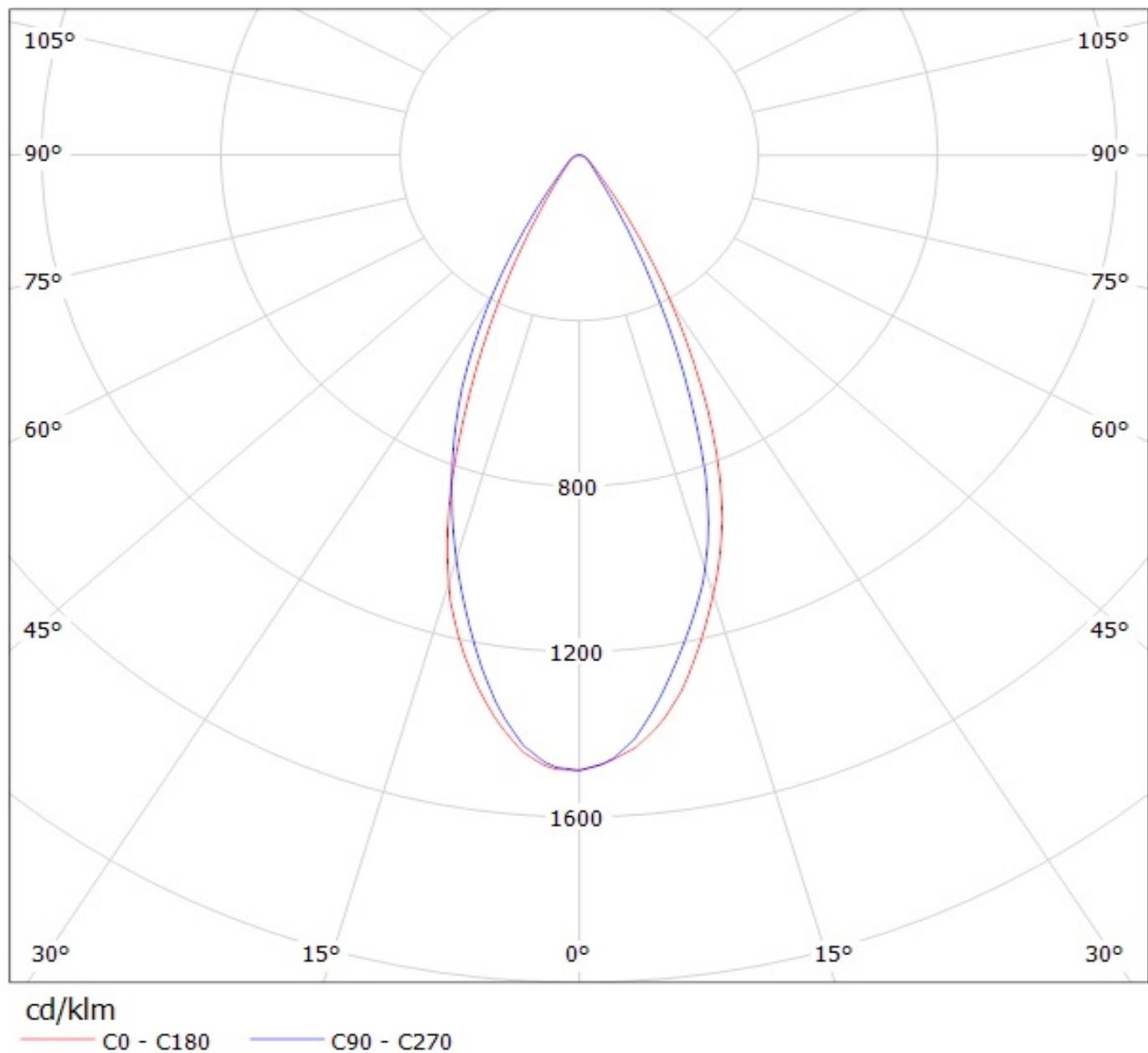
Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-E2) Eff. 91%
Lamps: 1 x XP-E2_x25 (2039.65lm@250mA)



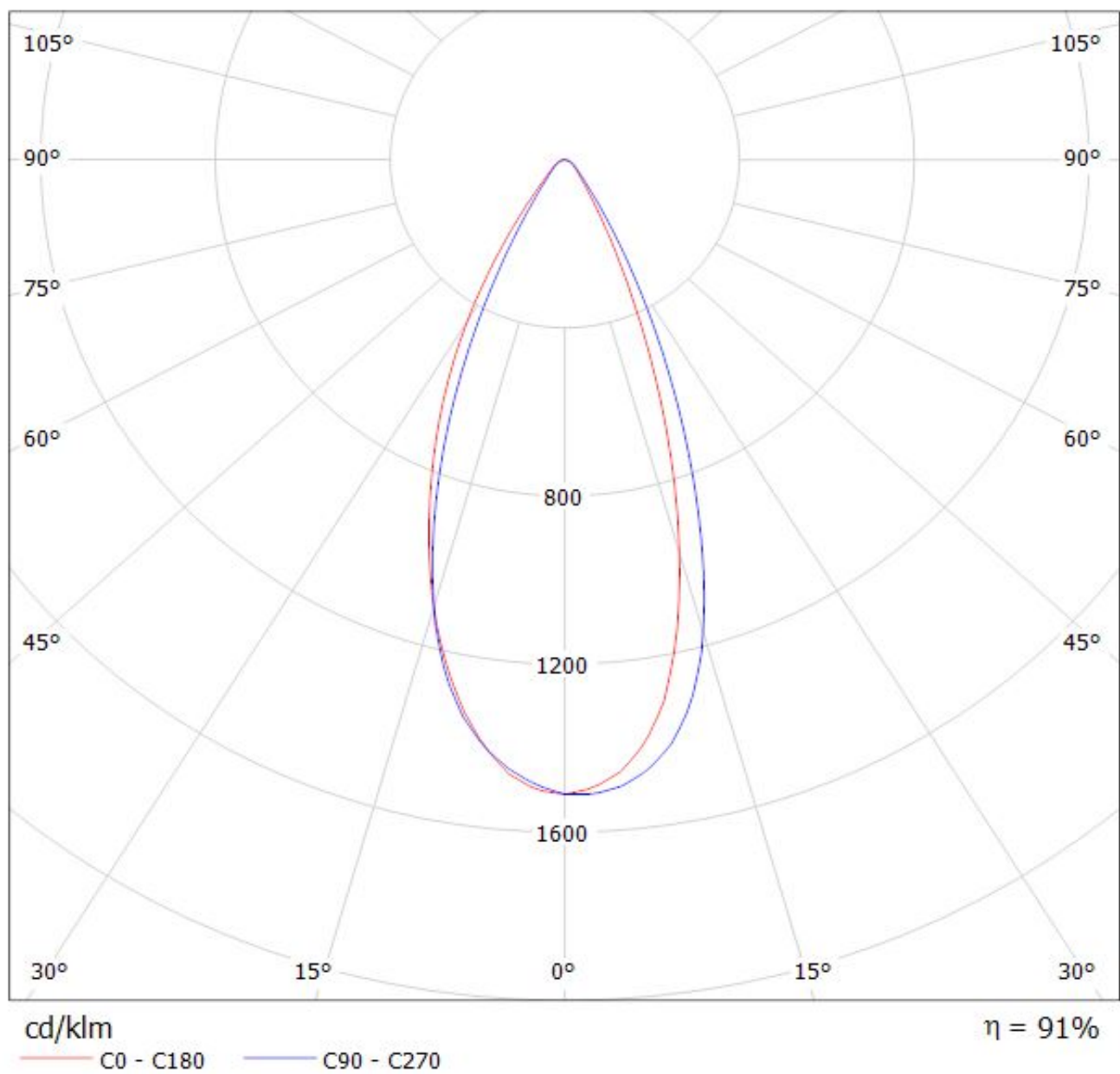
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Lamps: 1 x REBEL-ES_VIRPI_5x5 (1790.01lm@250mA)



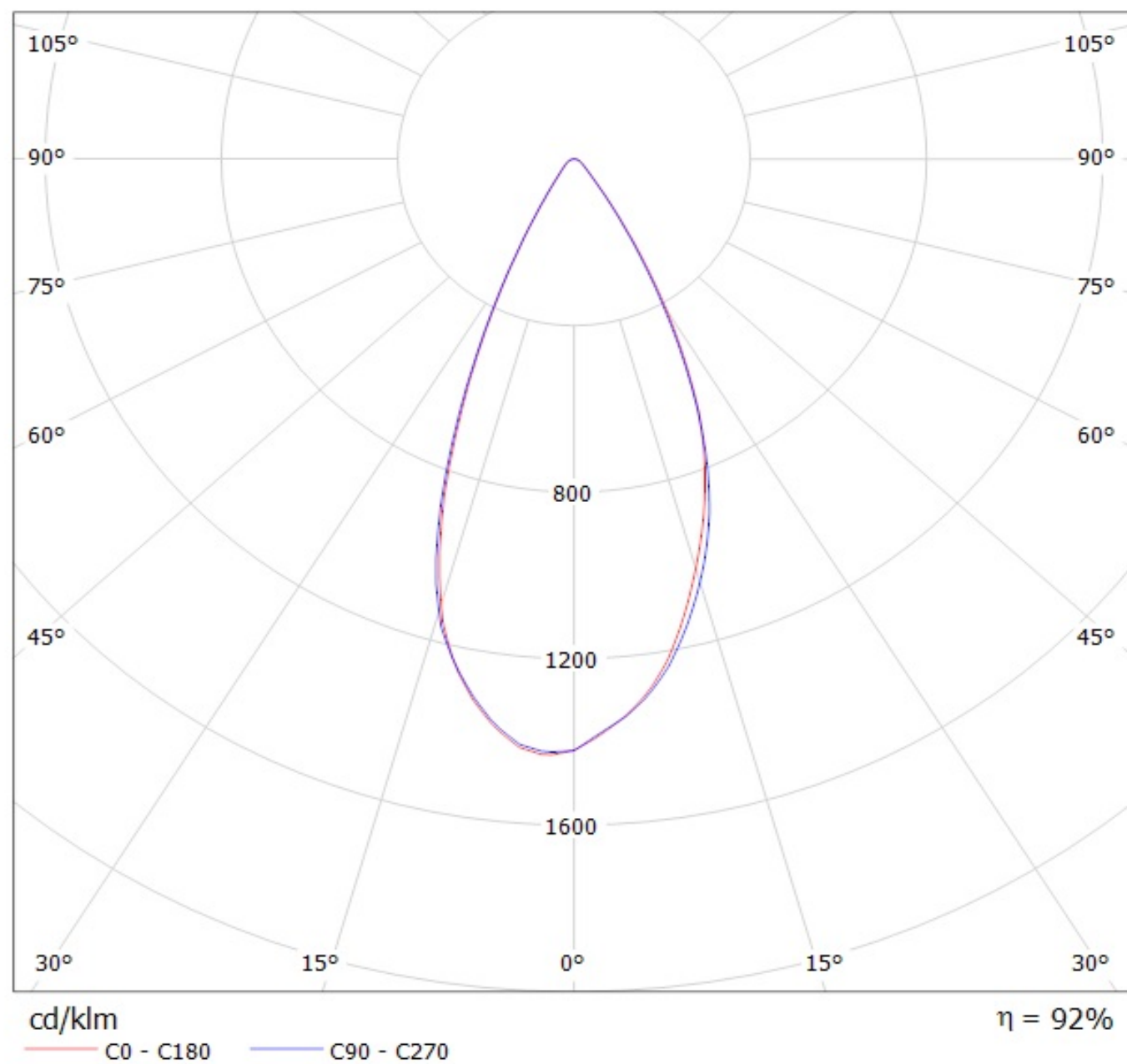
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Lamps: 1 x CREE_XH-B_136.467lm@65mA_P=0.911626_I=65.2mA



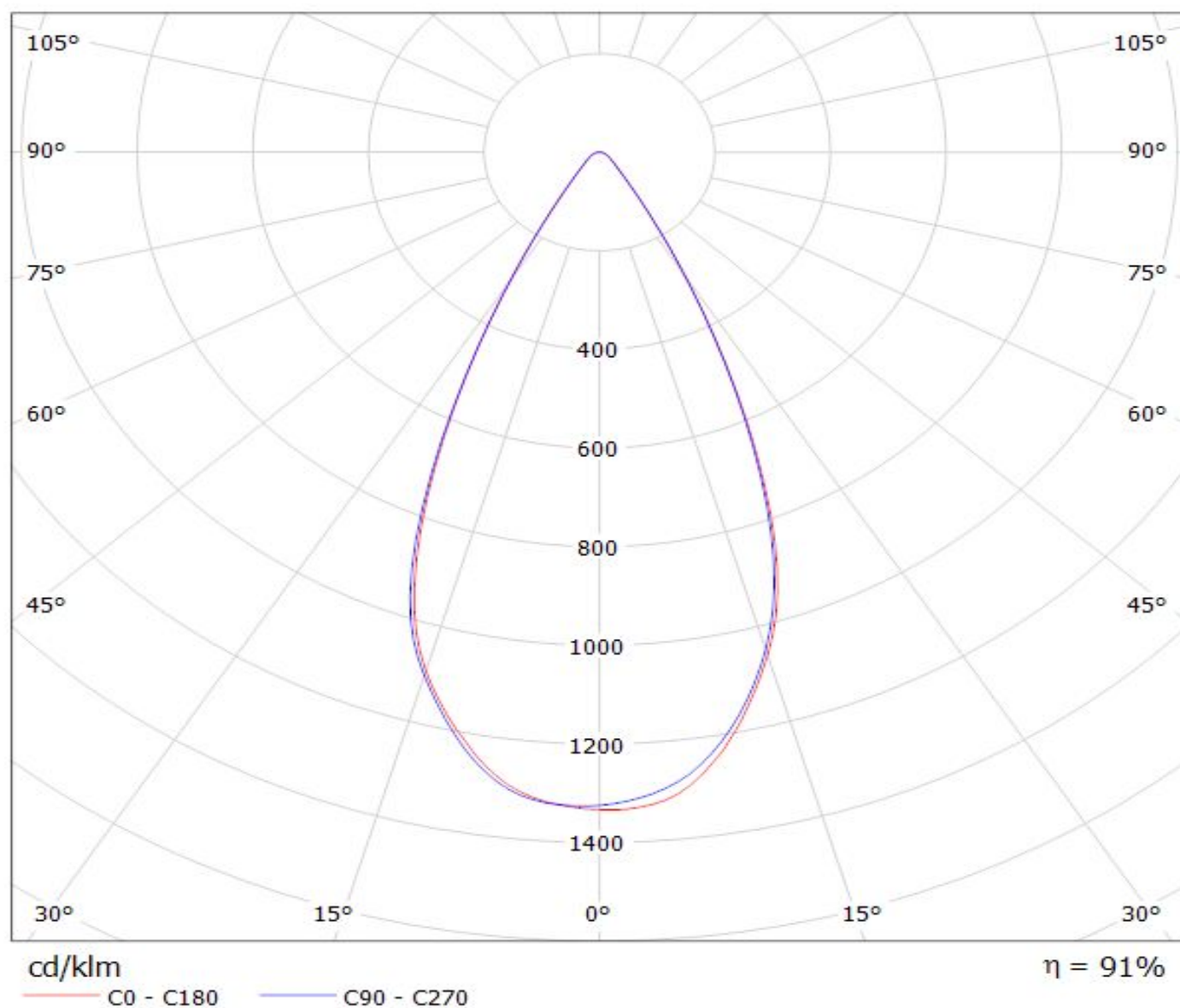
Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-G) Eff: 92%
Lamps: 1 x XP-G_5x5 (1544.25lm@250mA)



LEDiL Oy C12609_VIRPI-W_(XP-G2) Eff.91.3% / LDC (Polar)

Luminaire: LEDiL Oy C12609_VIRPI-W_(XP-G2) Eff.91.3%

Lamps: 1 x XP-G2_x25 (2535.22lm@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.