

DETAILS

Product Number	C14275_SHELLY-T-6X1-N
Family	Shelly
Type	Lens
Color	clear
Diameter	119,8 + 19,6 mm
Height	7 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	screw, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	29/07/2014

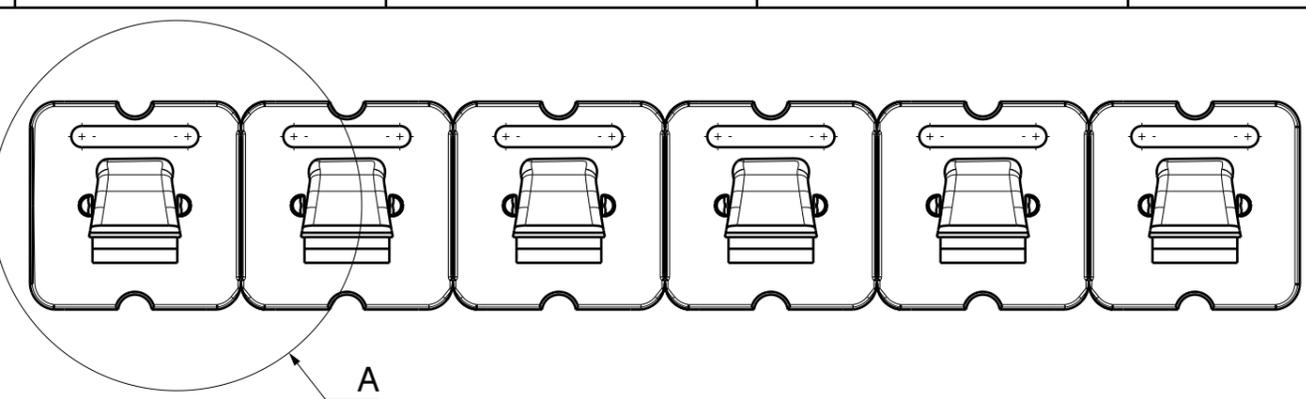


OPTICAL PROPERTIES

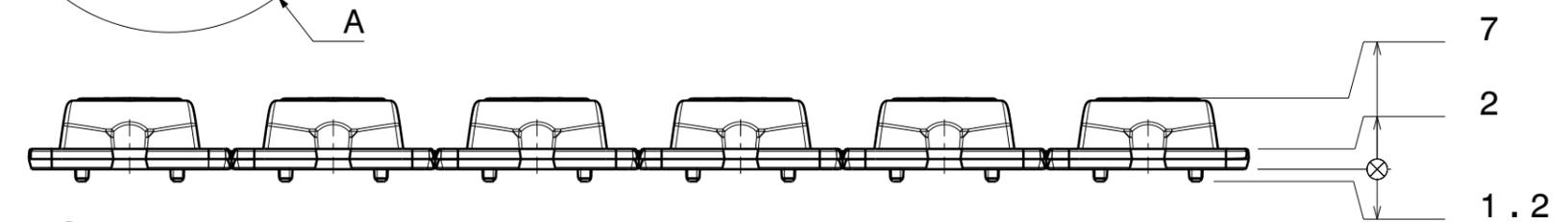
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XB-D	Asymmetric deg	Asymmetric	94 %	0.430	-
XQ-D	sim: Asymmetric	Asymmetric	sim: 88 %	-	-
XQ-E	asymmetric deg	Asymmetric	93 %	0.510	-
XP-E	sim: Asymmetric	Asymmetric	sim: 92 %	-	-
XQ-E HI	sim: Asymmetric	Asymmetric	sim: 92 %	sim: 0.530	-
LUXEON Z ES	asymmetric deg	Asymmetric	93 %	0.500	-
LUXEON T	Asymmetric deg	Asymmetric	94 %	0.440	-
LUXEON Rebel ES	Asymmetric deg	Asymmetric	94 %	0.450	-
LUXEON Rebel	Asymmetric deg	Asymmetric	94 %	0.490	-
LUXEON TX	Asymmetric deg	Asymmetric	94 %	0.450	-
NF2x757A	Asymmetric deg	Asymmetric	94 %	0.460	-
NCSxx19A	asymmetric deg	Asymmetric	94 %	0.460	-
NCSxx19B	Asymmetric deg	Asymmetric	94 %	0.410	-
NVSxx19A	Asymmetric deg	Asymmetric	94 %	0.440	-
NVSxx19B/NVSxx19C	Asymmetric deg	Asymmetric	94 %	0.420	-
NF2x757G	sim: Asymmetric	Asymmetric	sim: 92 %	sim: 0.500	-
Duris S5 (2 chip)	asymmetric deg	Asymmetric	93 %	0.480	-

H G F E D C B A

4 Bottom view

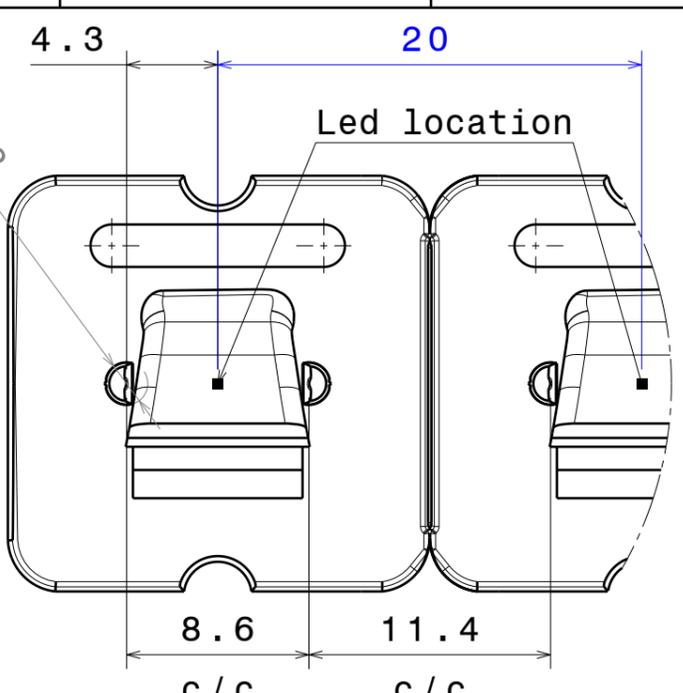
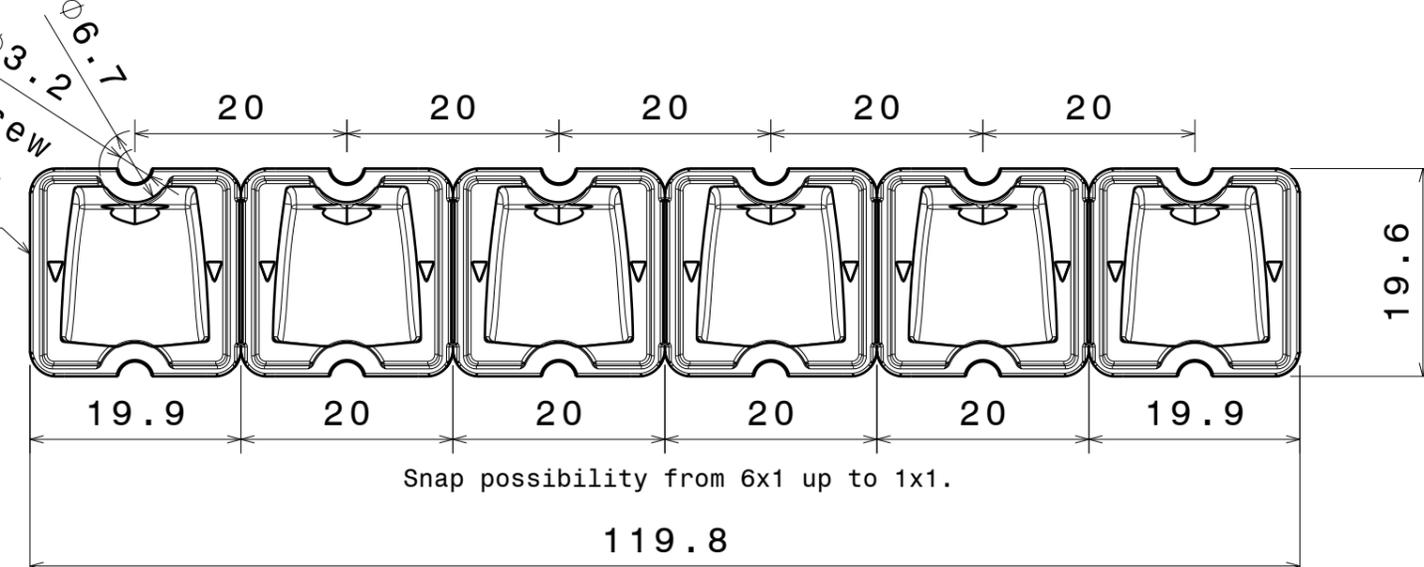


Front view

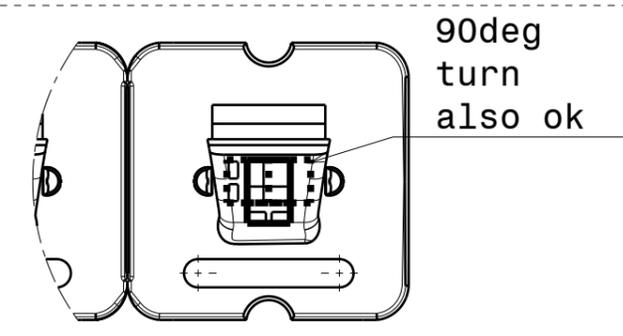


3 Asymmetric light direction shown by arrow

Top view



Detail A



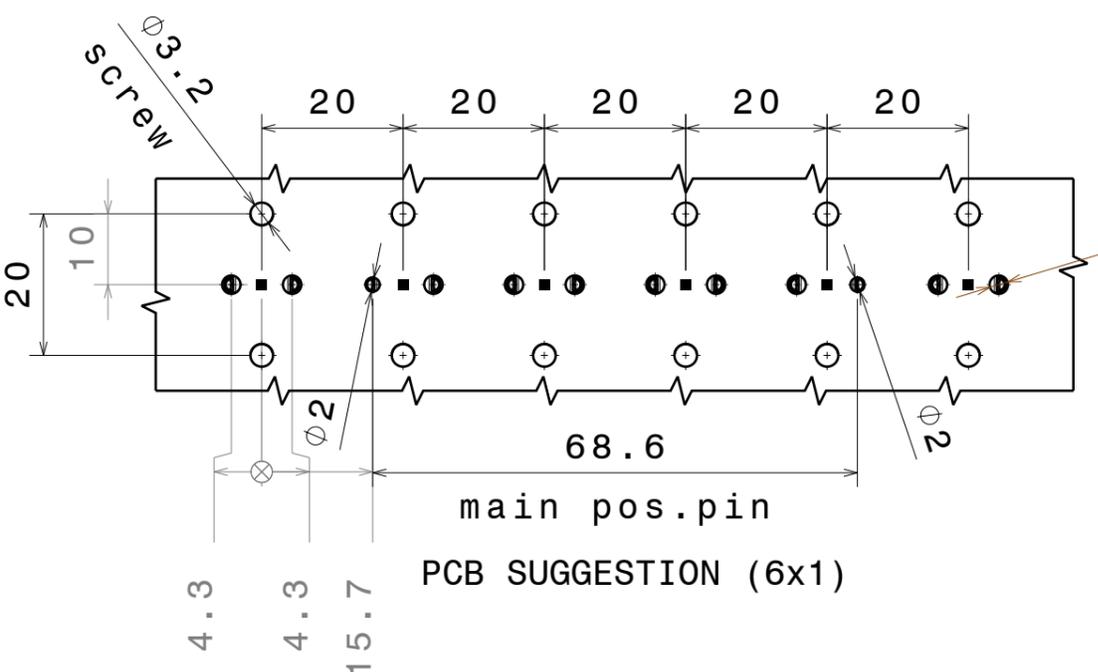
Led direction for rebel / rebel-es / luxeon-r / luxeon-a led types

To ease assembly: two main 2mm position pins holes recommended to use - other holes larger sized or oval/oblong geometry.

($\phi 2.5$) example

2

1



PCB SUGGESTION (6x1)

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14275	SHELLY-T-6X1-N	PMMA	

 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland					
DRAWING TITLE					
C14275_SHELLY-T-6X1-N					
SIZE	PART NUMBER				
A3	C14275				
SCALE	1:1	WEIGHT	- g	SHEET	1/1

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

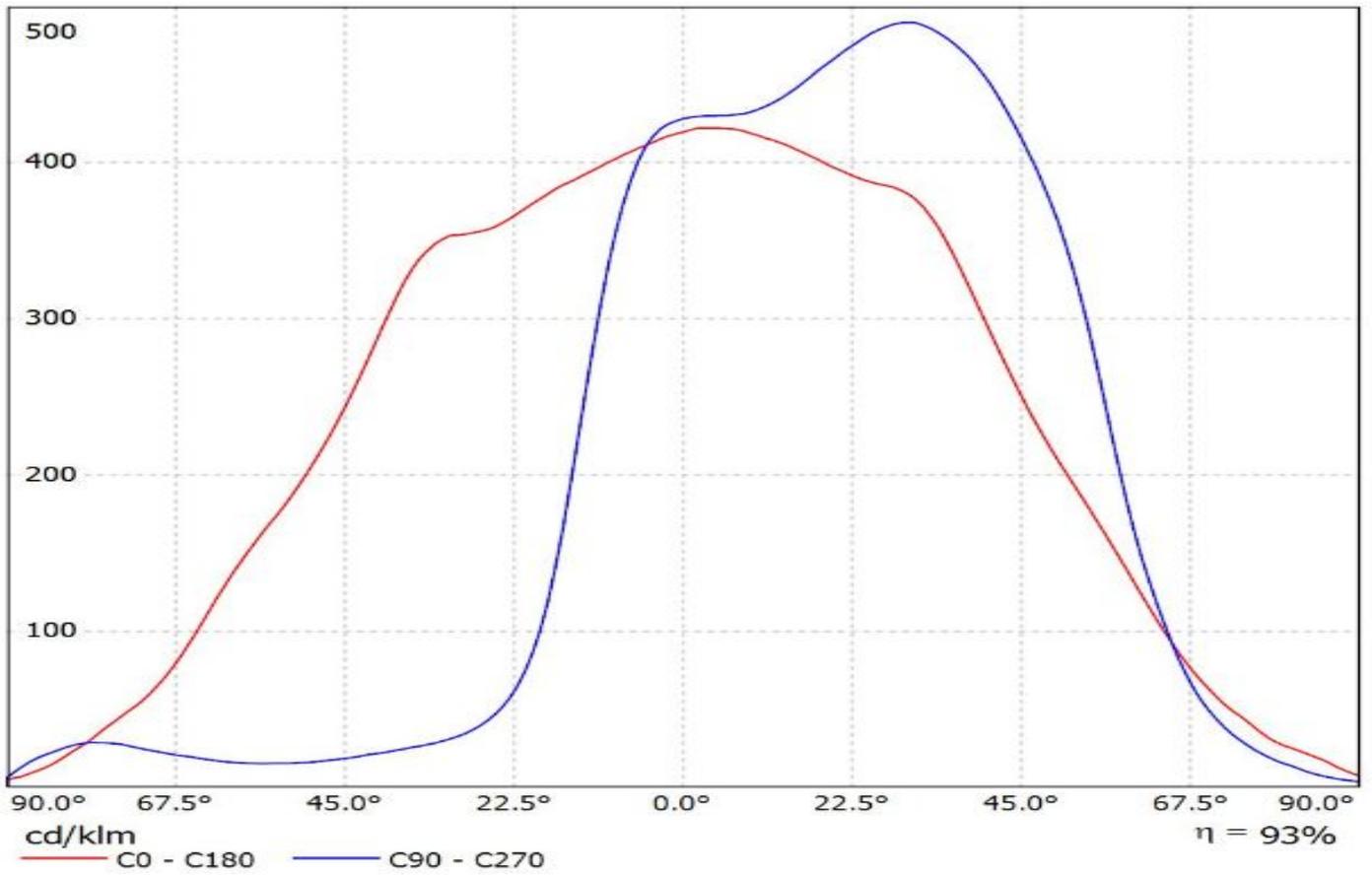
THIRD ANGLE PROJECTION: 

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H G F E D C B A

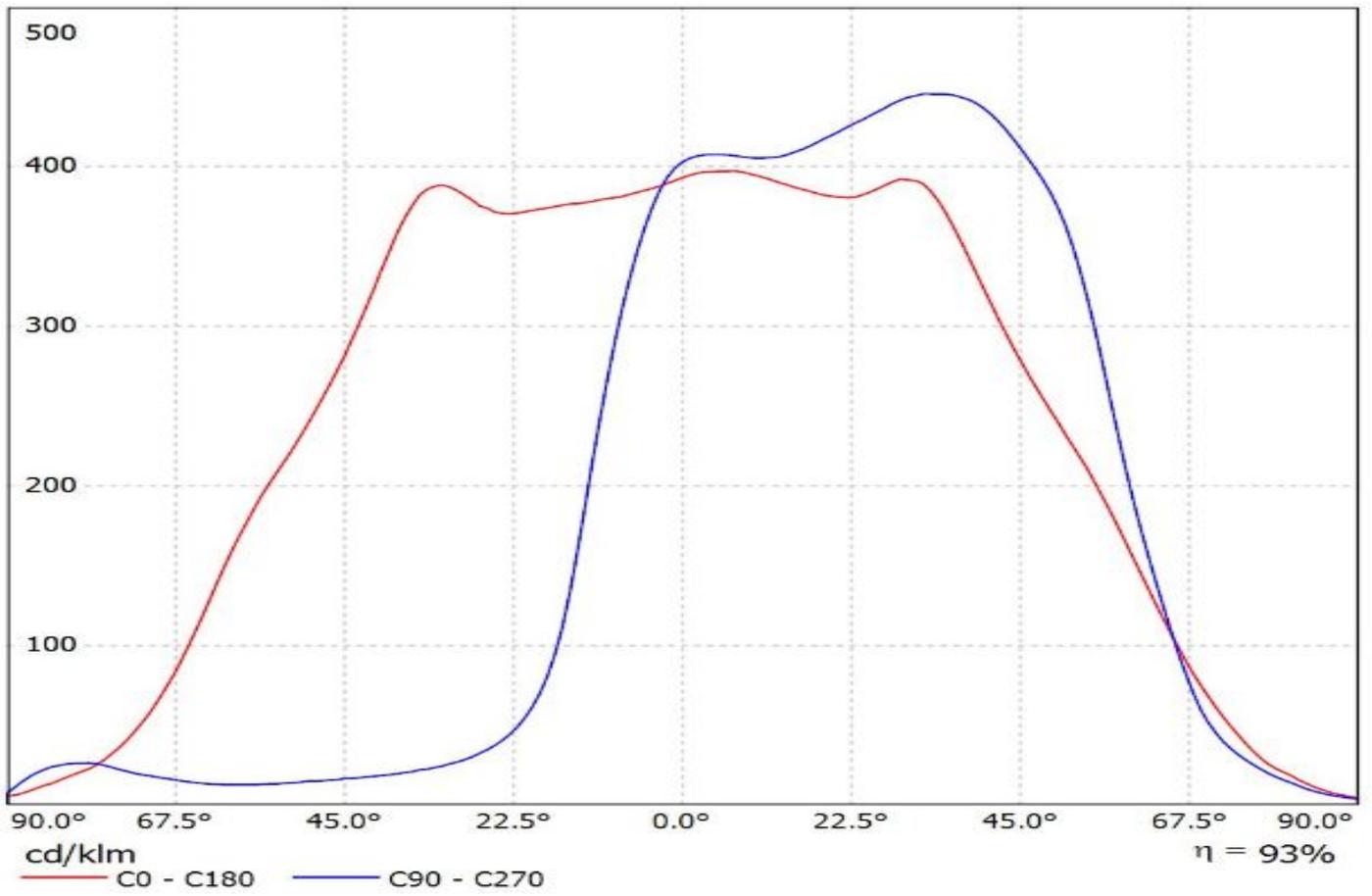
Luminaire: Ledil C14275_SHELLY-T-6X1-N_(XQ-E)

Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001)_497.31lm@250mA_P=4.5957W_I=0.250A



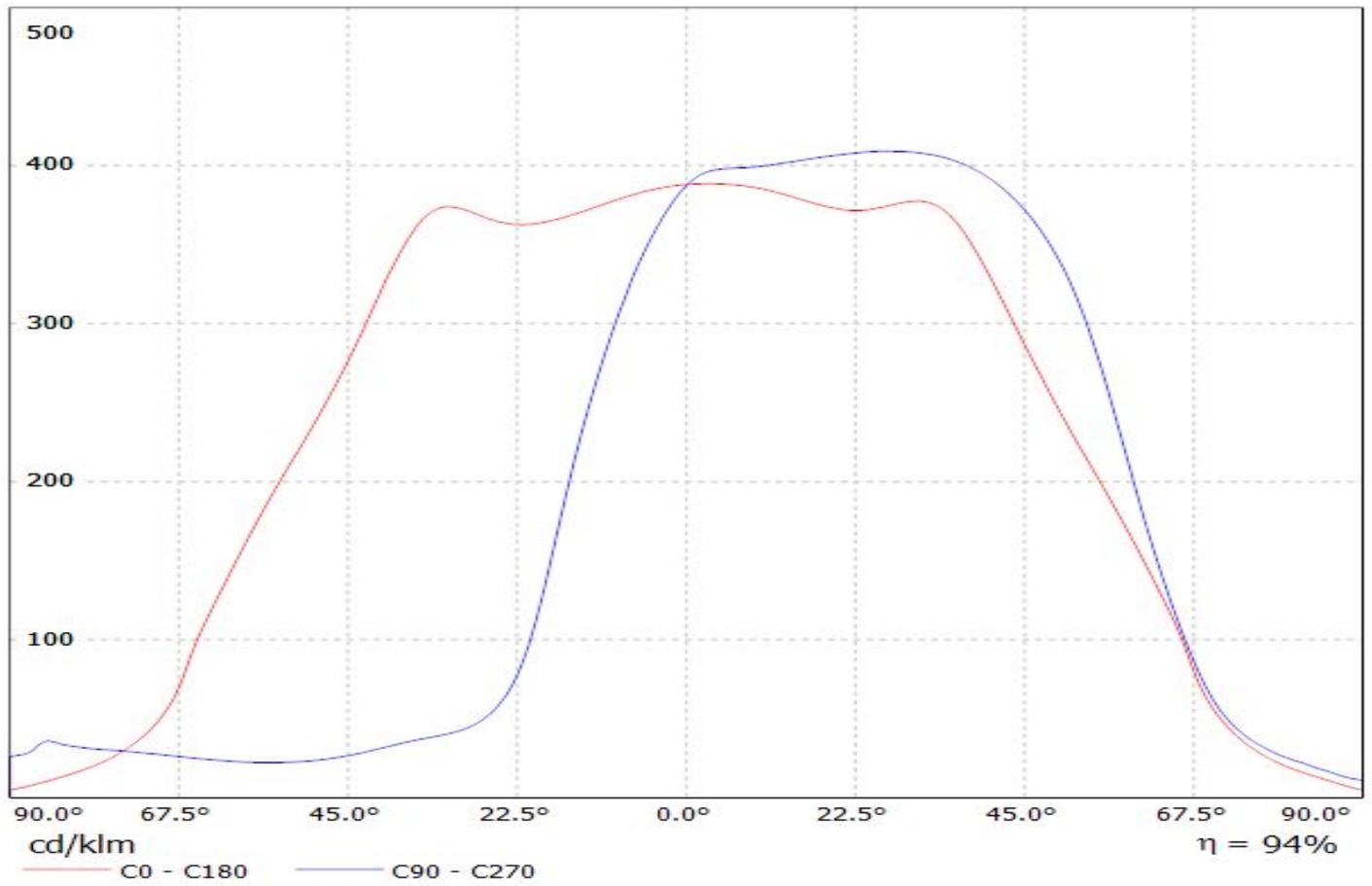
Luminaire: Ledil C14275_SHELLY-T-6X1-N (Luxeon_Z_ES)

Lamps: 1 x Luxeon_Z_ES_(LXZ2-4080-3)_534.9462lm@250mA_P=4.3941W_I=0.250A



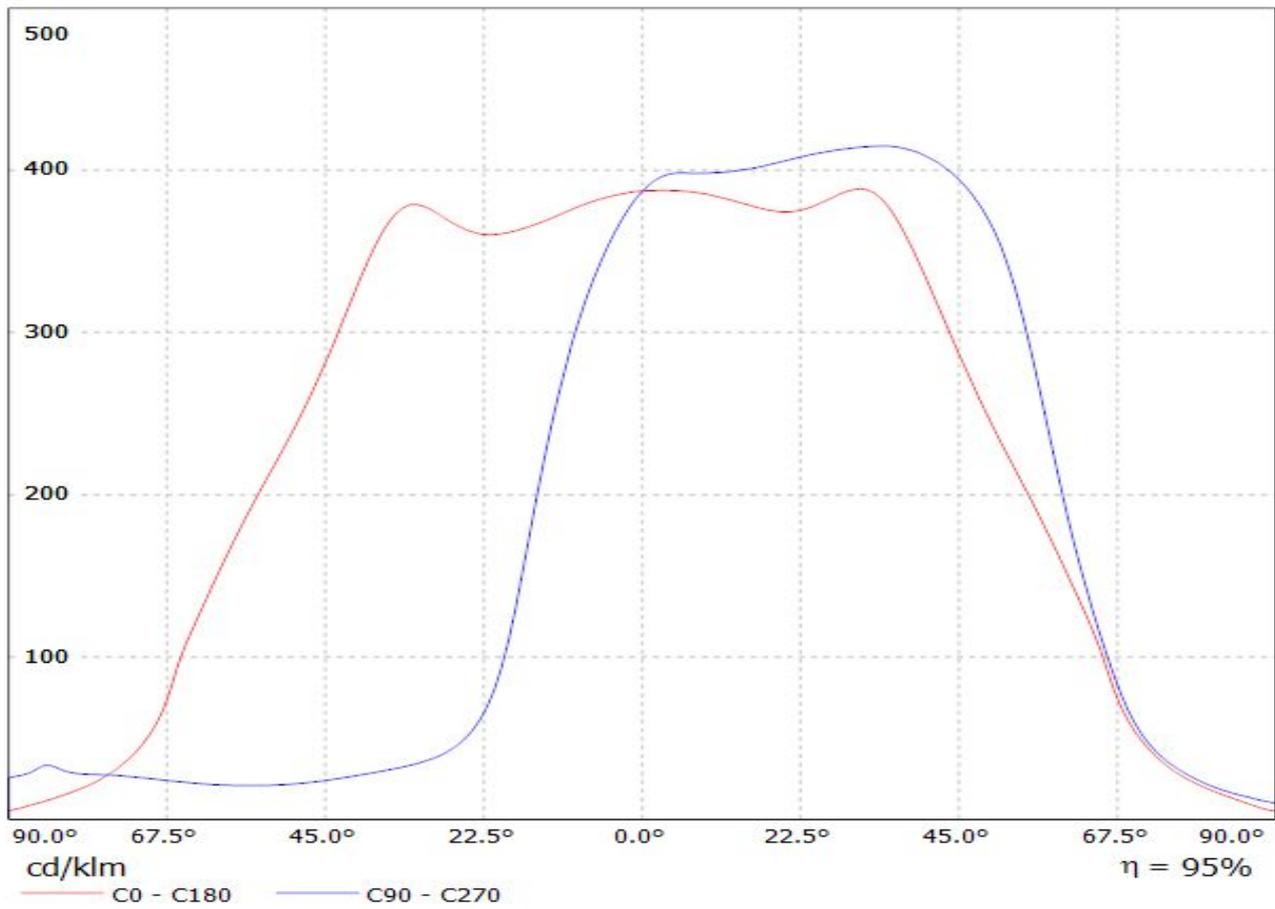
Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(LUXEON_T)

Lamps: 1 x LUXEON_T_1x6_(LXH8-FW30-3)_433.852lm@250mA_P=4.17608W_I=249.9mA

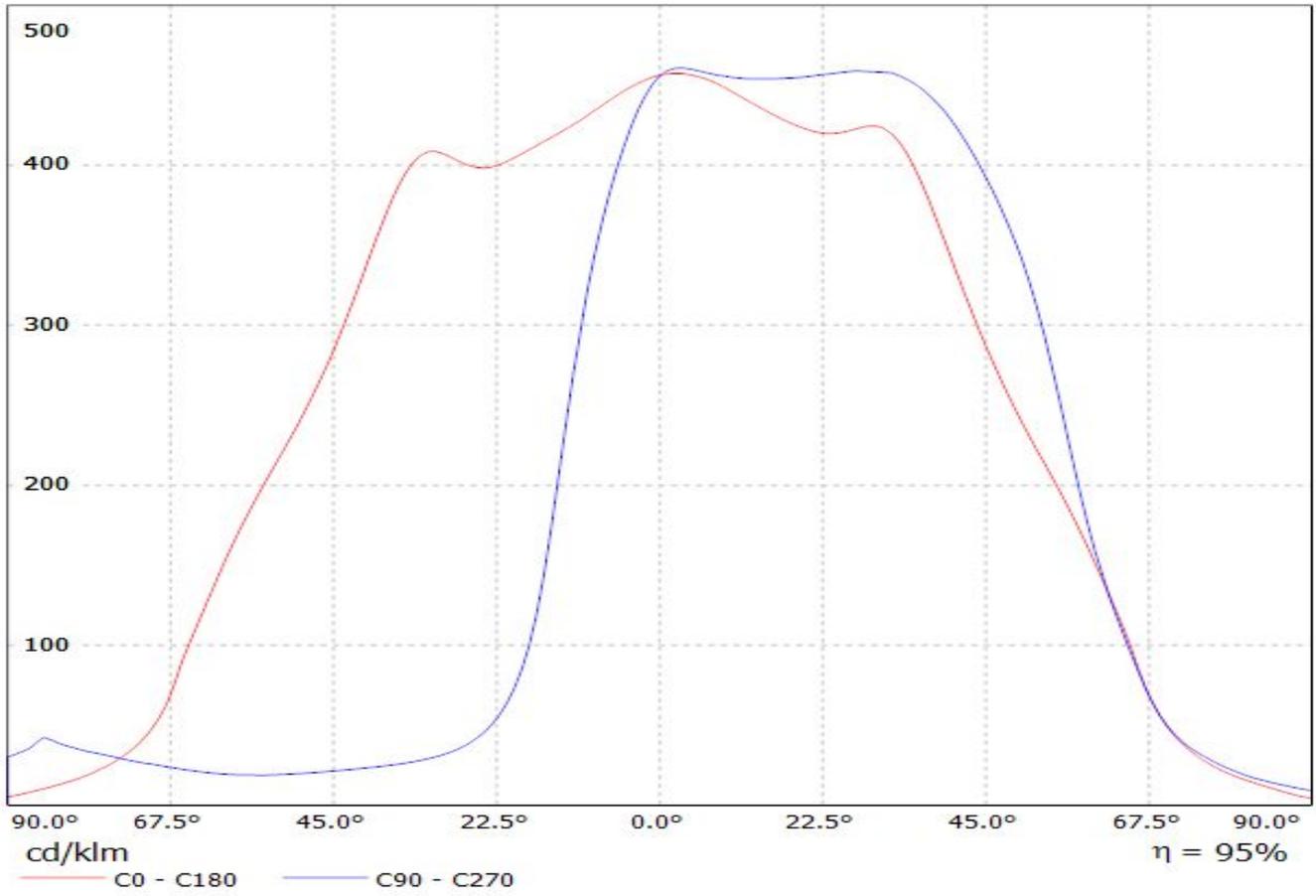


Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(REBEL_ES)

Lamps: 1 x LUXEON_REBEL_ES_1x6_512.943lm@250mA_P=4.33102W_I=249.9mA

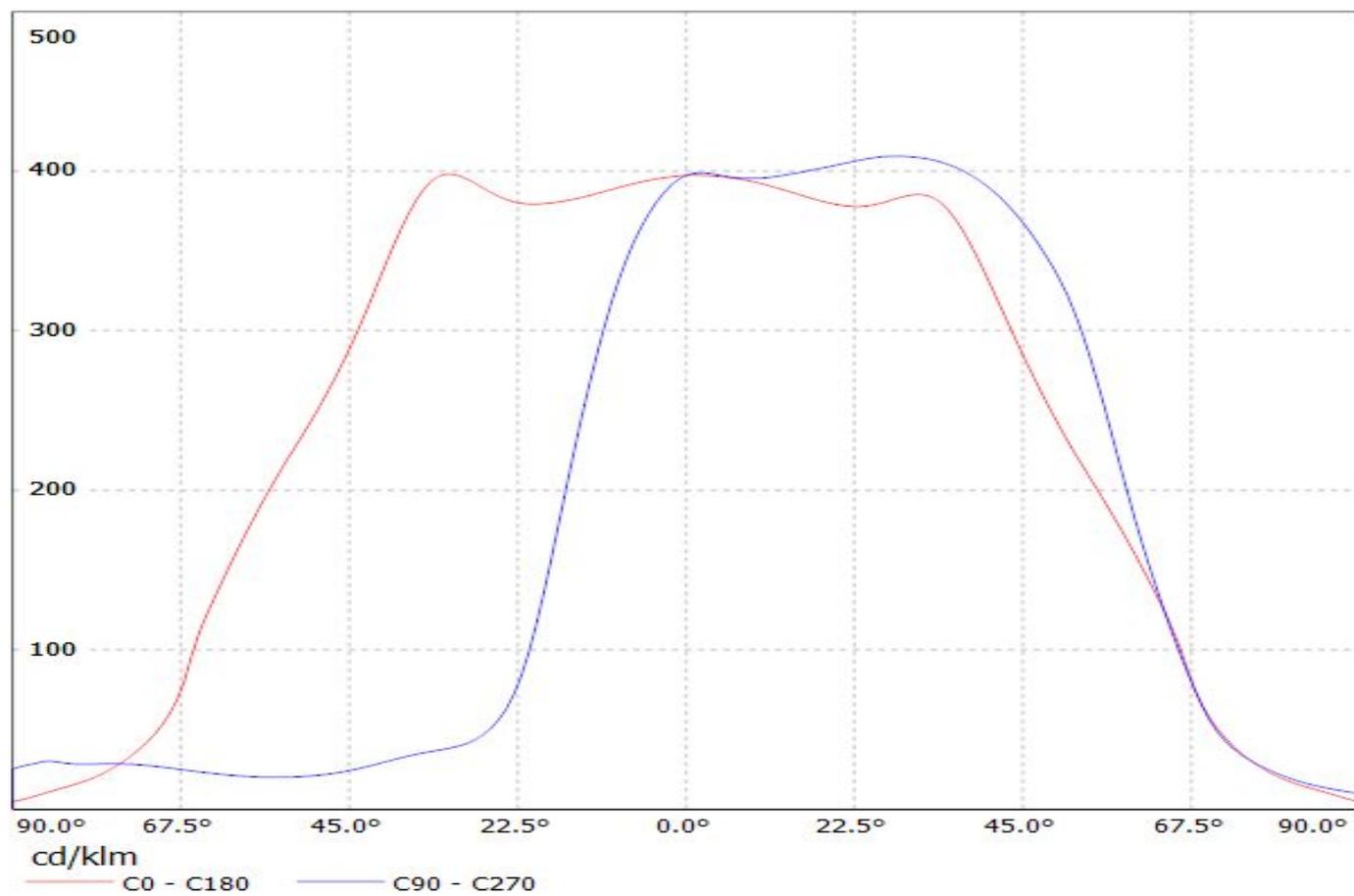


Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(REBEL)
Lamps: 1 x LUXEON_REBEL_1x6_477.529lm@250mA_P=4.23231W_I=249.9mA

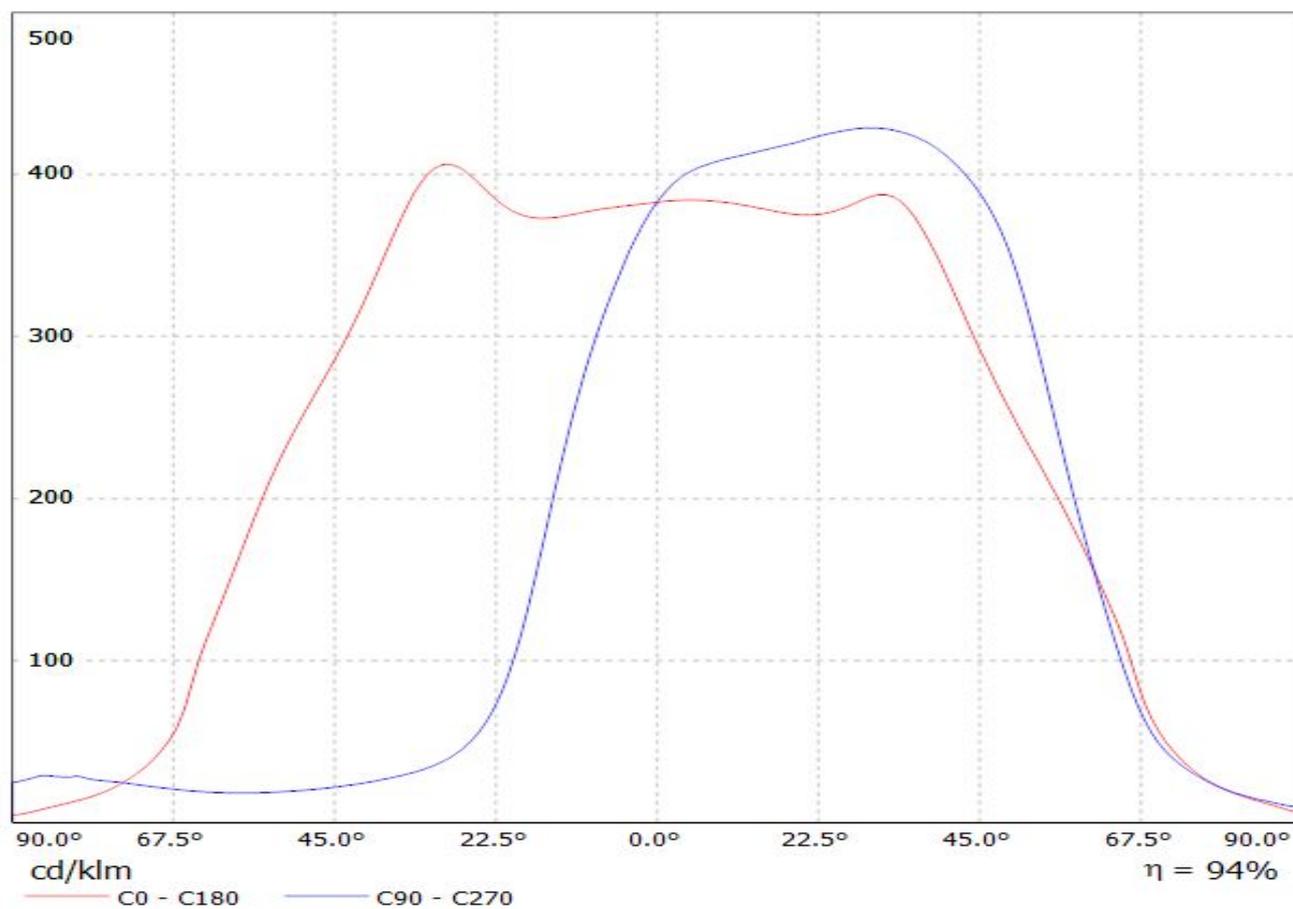


Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(Luxeon_TX)

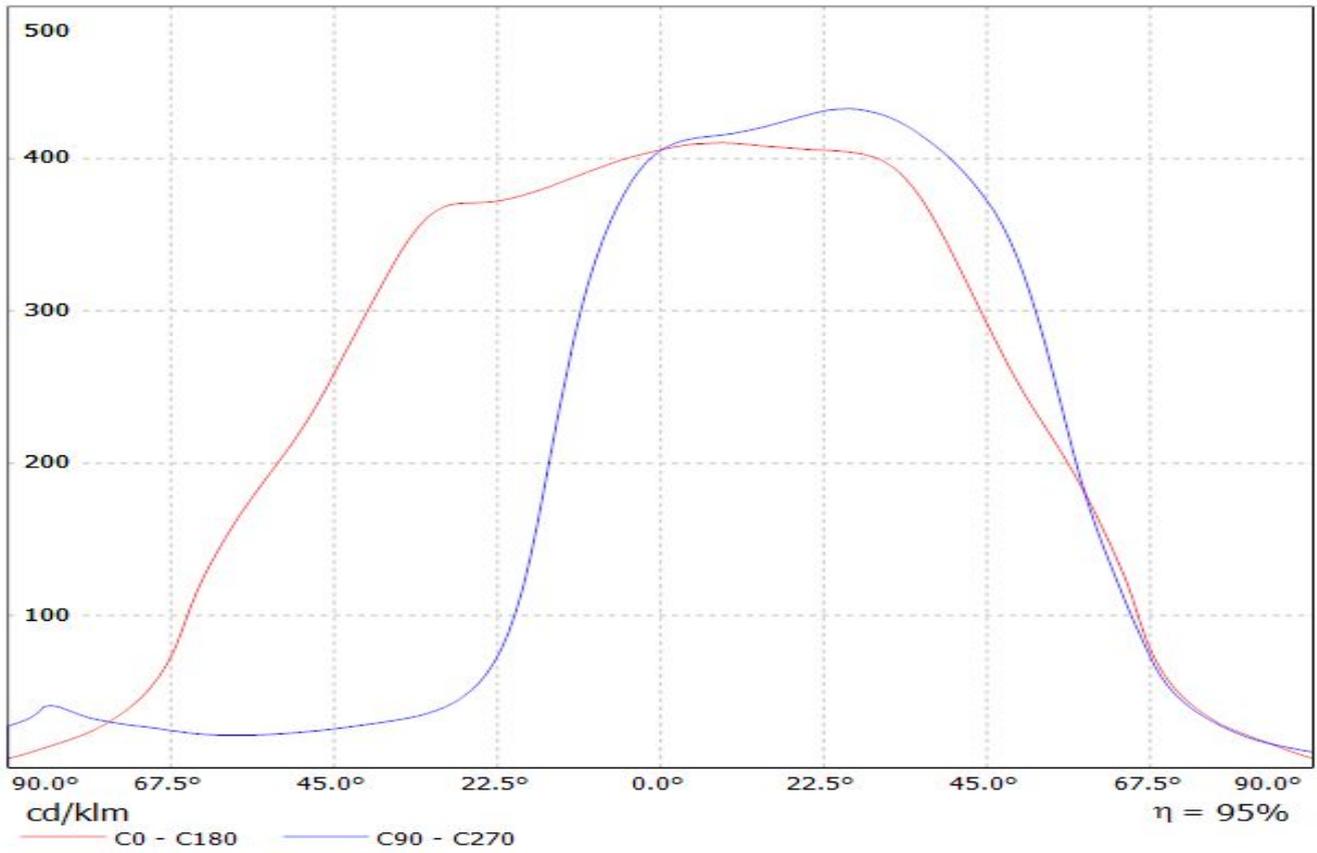
Lamps: 1 x Luxeon_TX_6x1_(L1T2-5770)_652.342lm@250mA_CCT=5700K_P=4.18365W_I=249.8mA



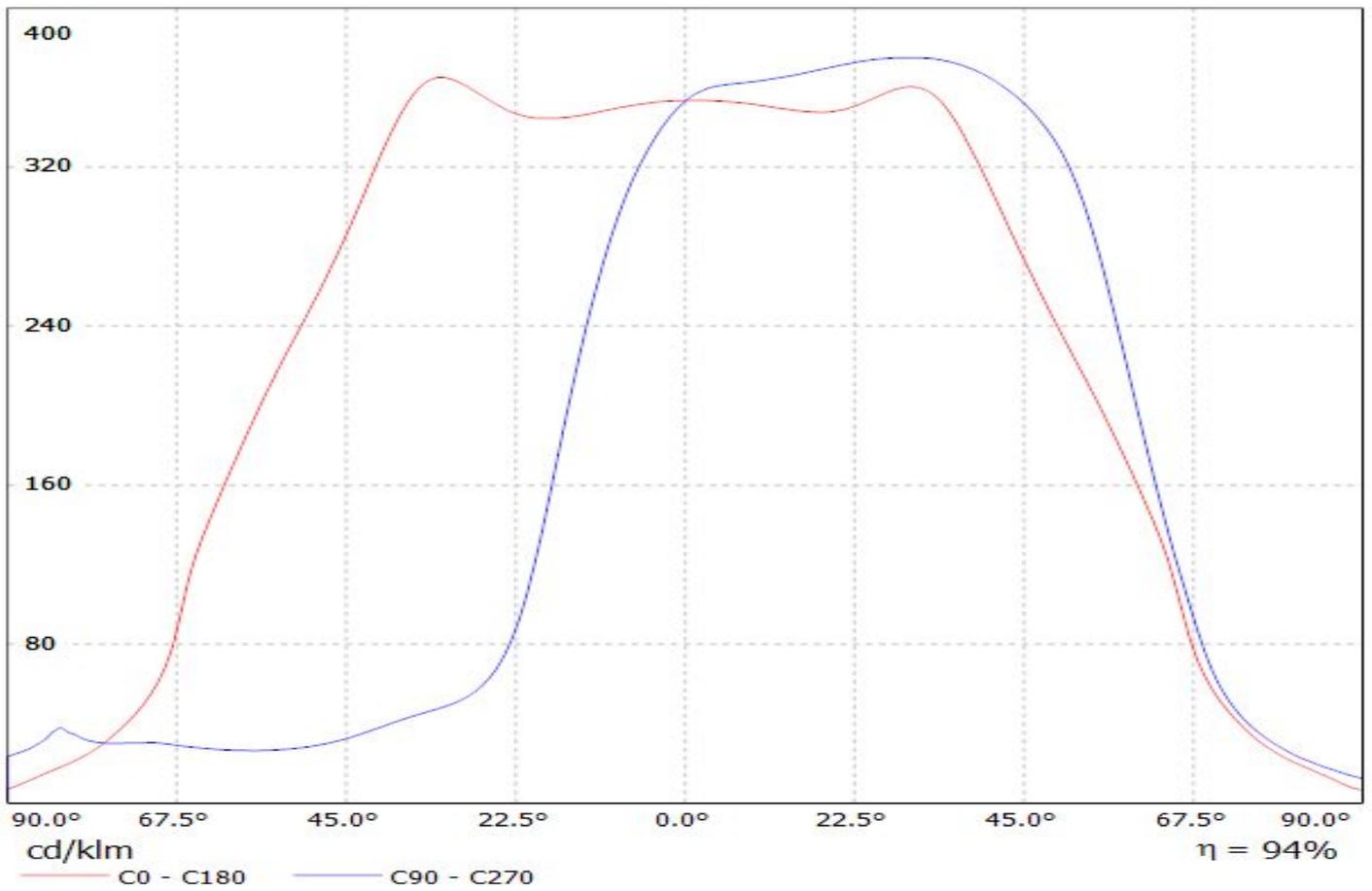
Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NF2x757A)
Lamps: 1 x Nichia_NF2x757A_6x1_405.289lm@100mA_P=3.58939W_I=100.1mA



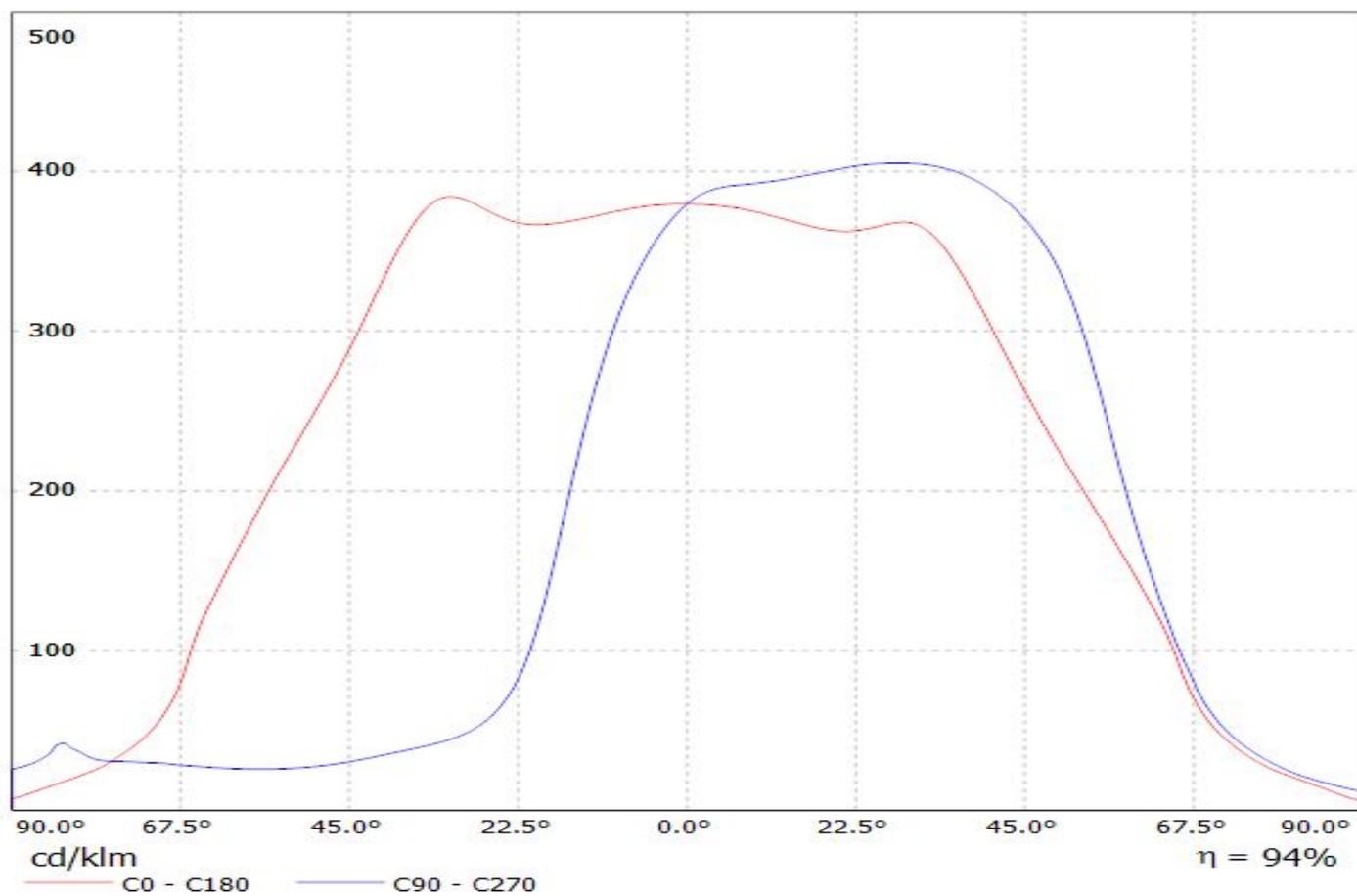
Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NCS19A) Eff.94.7%
Lamps: 1 x NICHIA_NCS19A_1x6_531.294lm@250mA_P=4.61215W_I=249.9mA



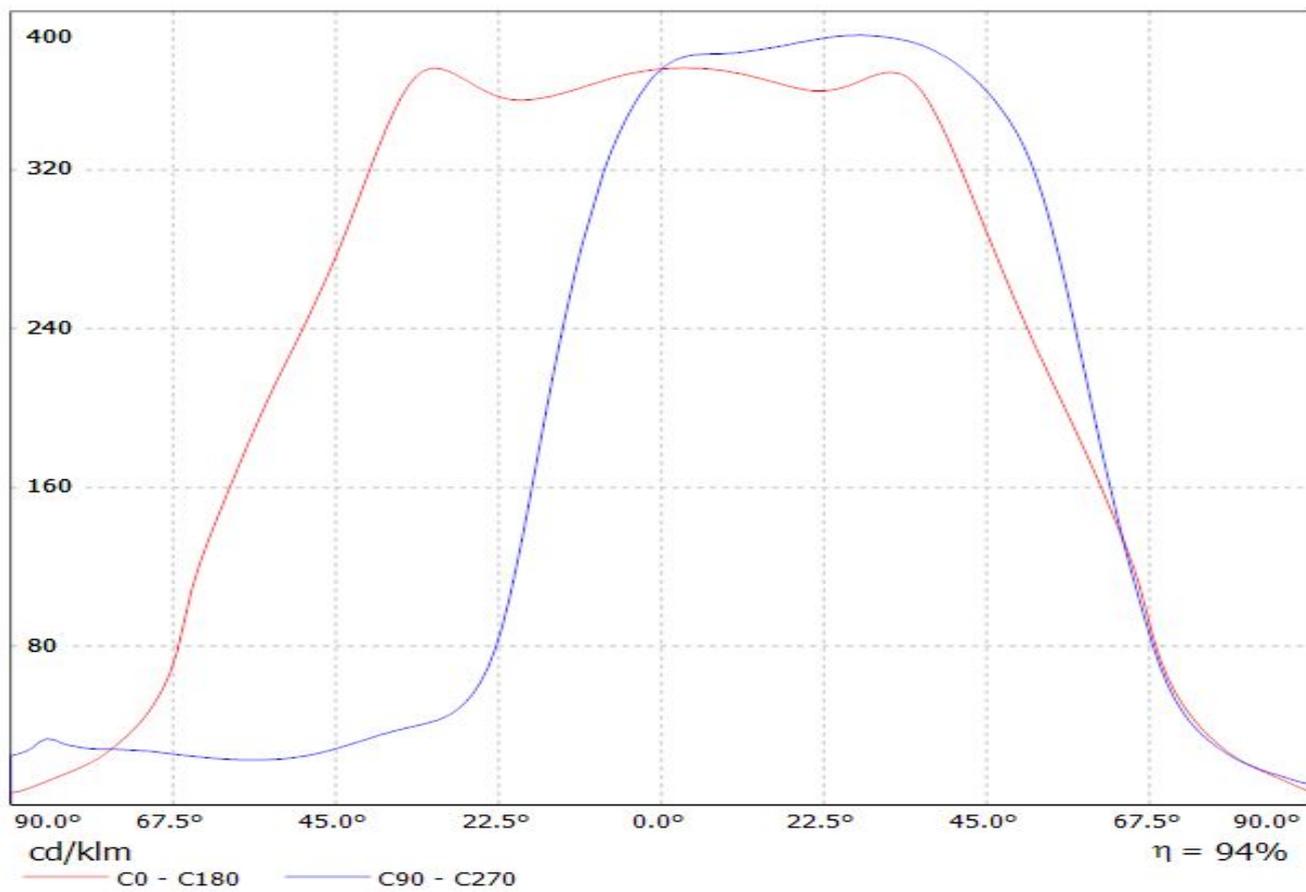
Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NCSxx19B) Eff.94.3%
Lamps: 1 x NCSxx19B_1x6_623.272lm@250mA_P=4.18008W_I=249.9mA



Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NVSxx19A) Eff.94.5%
Lamps: 1 x NVSxx19A_1x6_578.655lm@250mA_P=4.379W_I=249.9mA

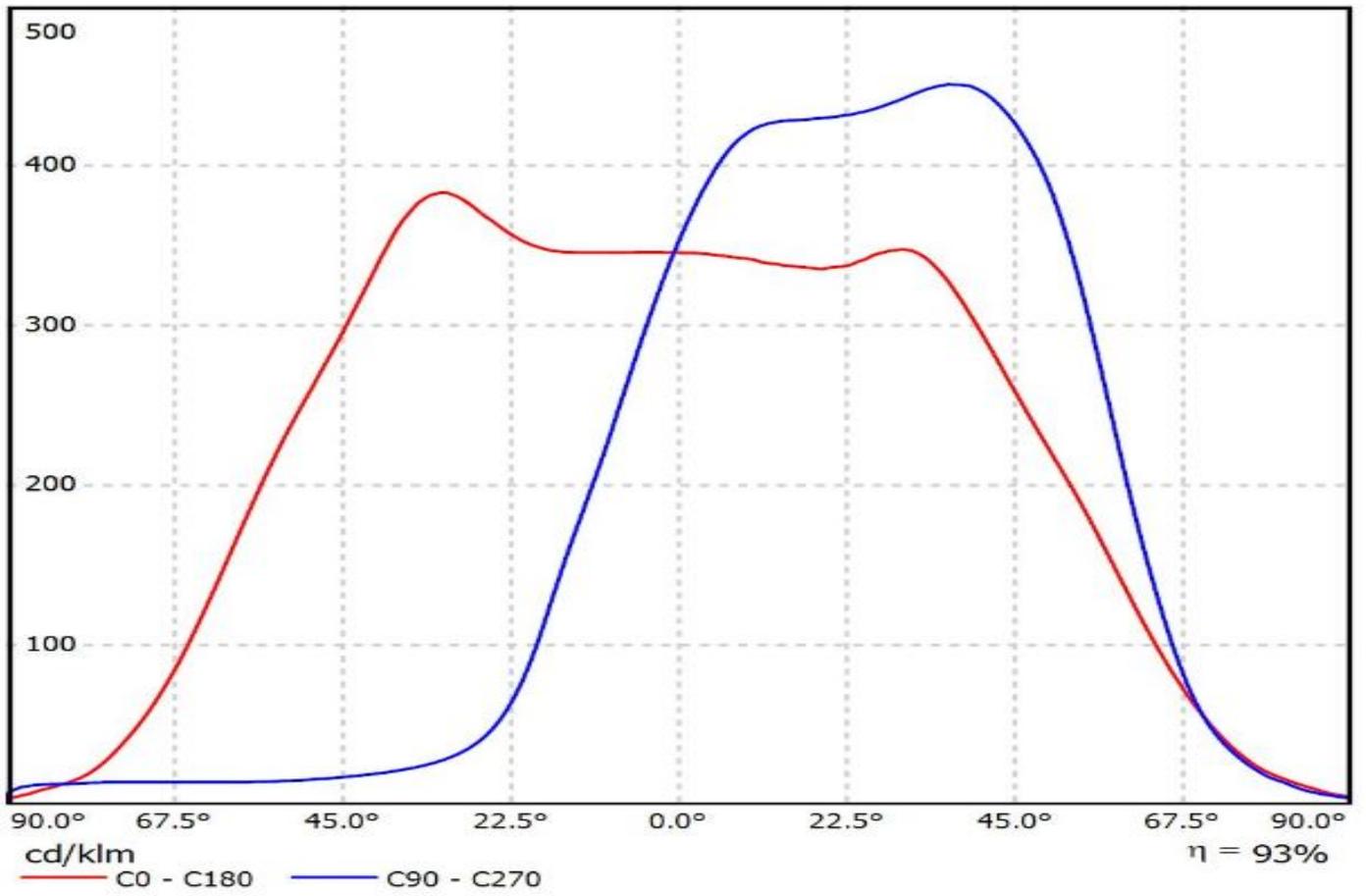


Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NVSxx19B)
Lamps: 1 x NVSxx19B_1x6_459.756lm@250mA_P=4.21581W_I=249.9mA



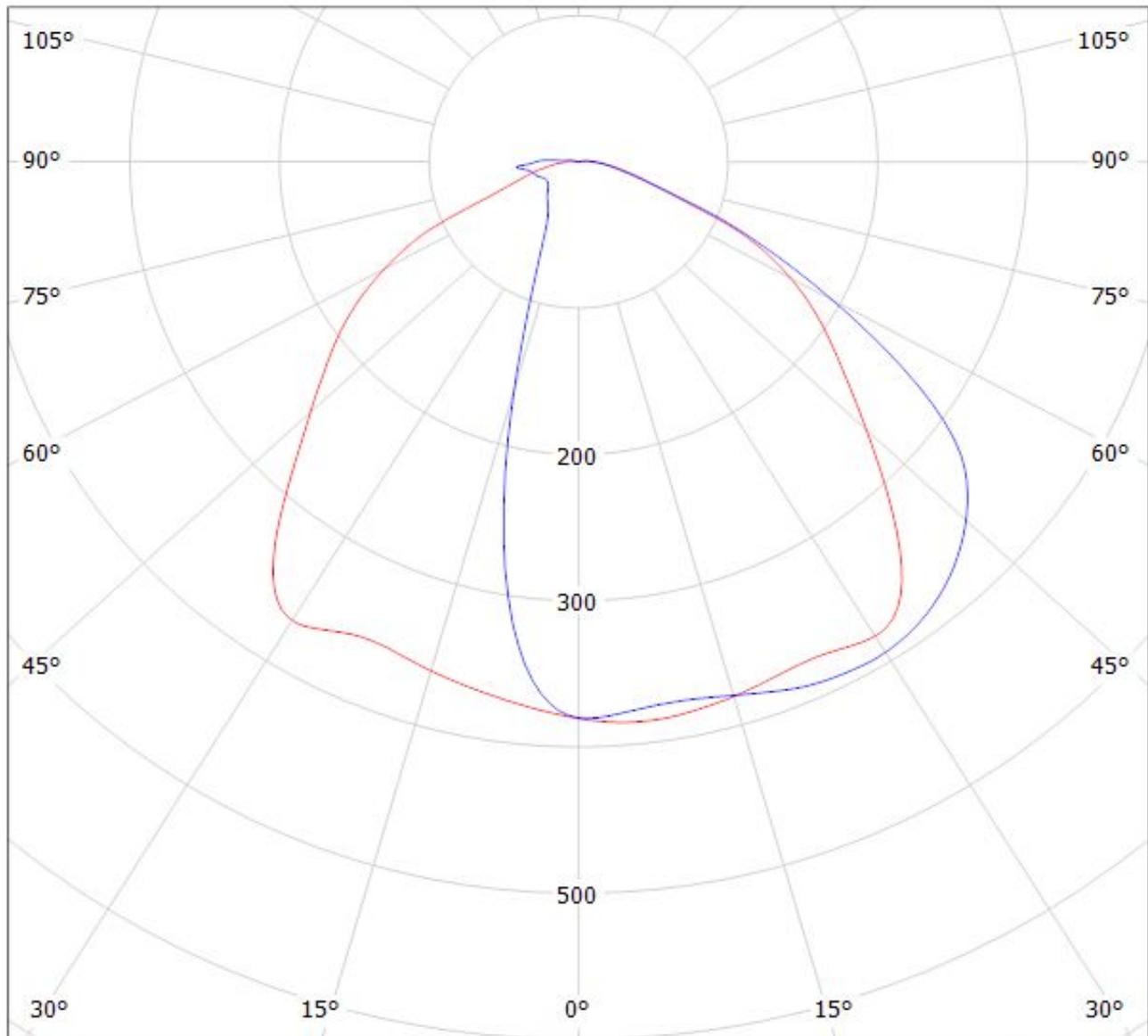
Luminaire: Ledil C14275_SHELLY-T-6X1-N_(Duris_S5_2_chip)

Lamps: 1 x Osram_Duris_S5_(2_chip)_(PSLRS1EC-LQLS-5H7I-1)_756.726lm@150mA_P=5.6W_I=0.150A



Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(XB-D)

Lamps: 1 x CREE_XB-D_1x6_(XBDAAWT-00-0000_000_F51)_583.237lm@250mA_P=4.53544W_I=249.9mA



cd/klm

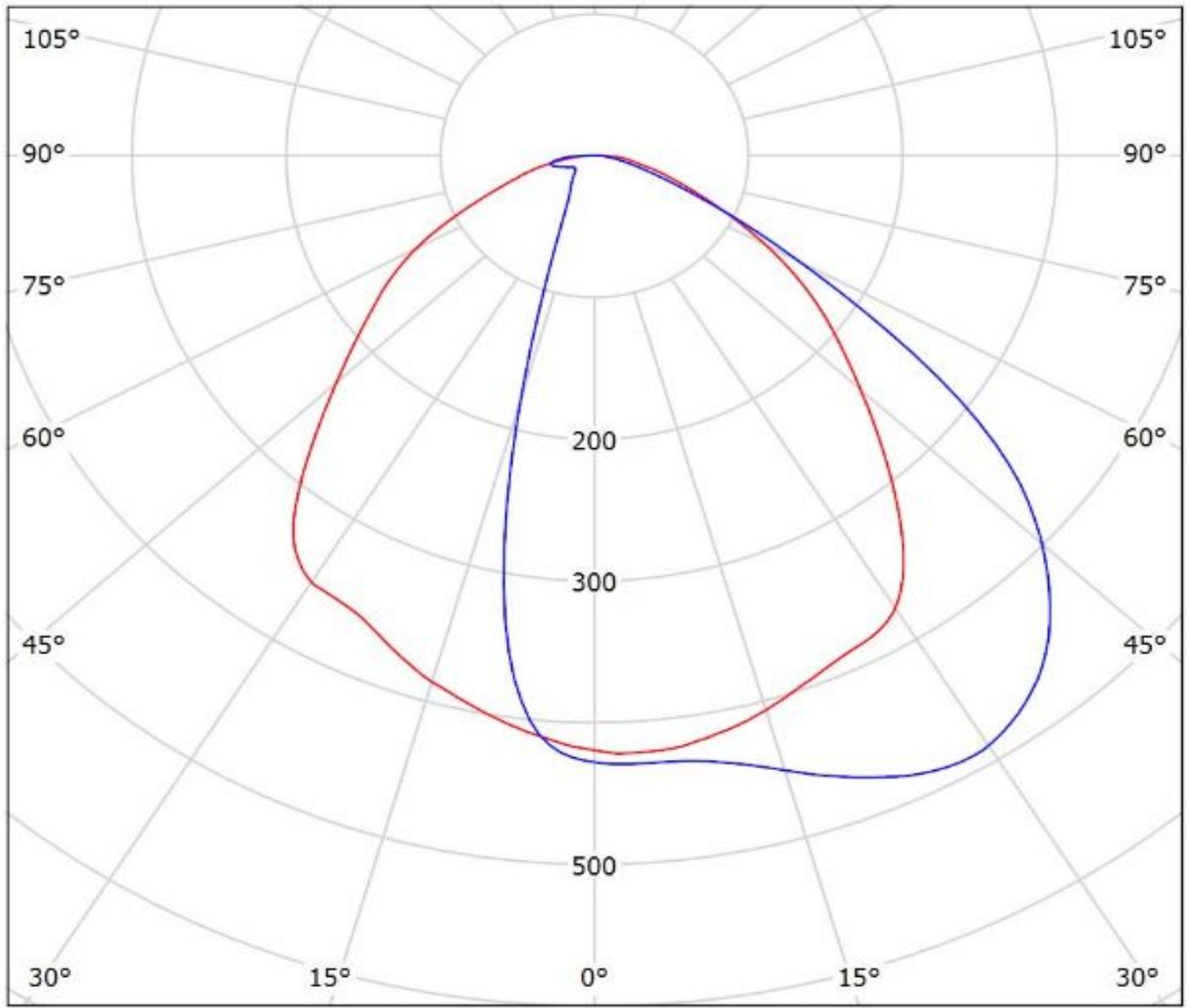
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: Ledil C14275_SHELLY-T-6X1-N_(XQ-E)

Lamps: 1 x Cree_XQ-E_(XQEAWT-0-7B1-Q40-0H-00001)_497.31lm@250mA_P=4.5957W_I=0.250A



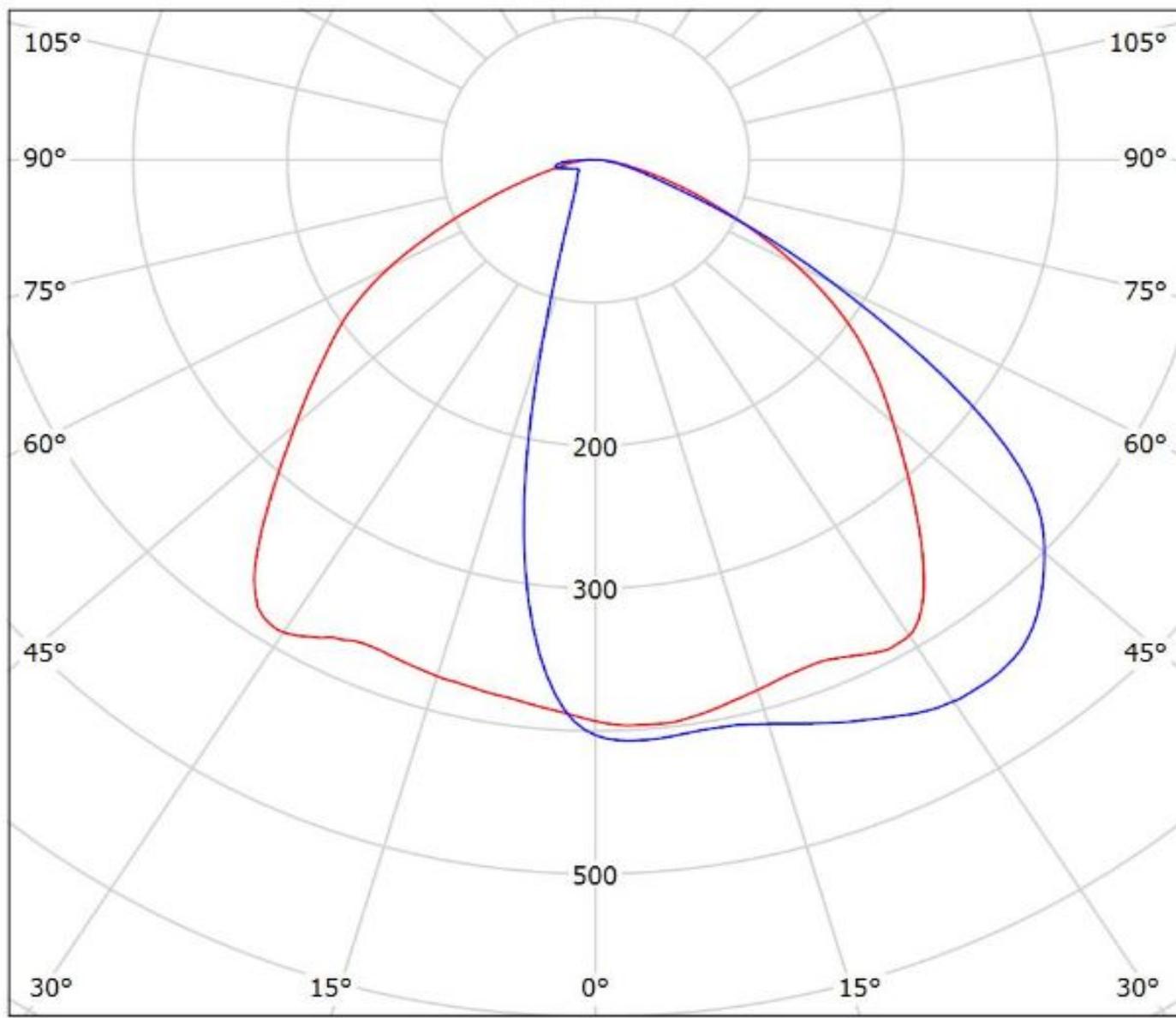
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil C14275_SHELLY-T-6X1-N_(Luxeon_Z_ES)

Lamps: 1 x Luxeon_Z_ES_(LXZ2-4080-3)_534.9462lm@250mA_P=4.3941W_I=0.250A



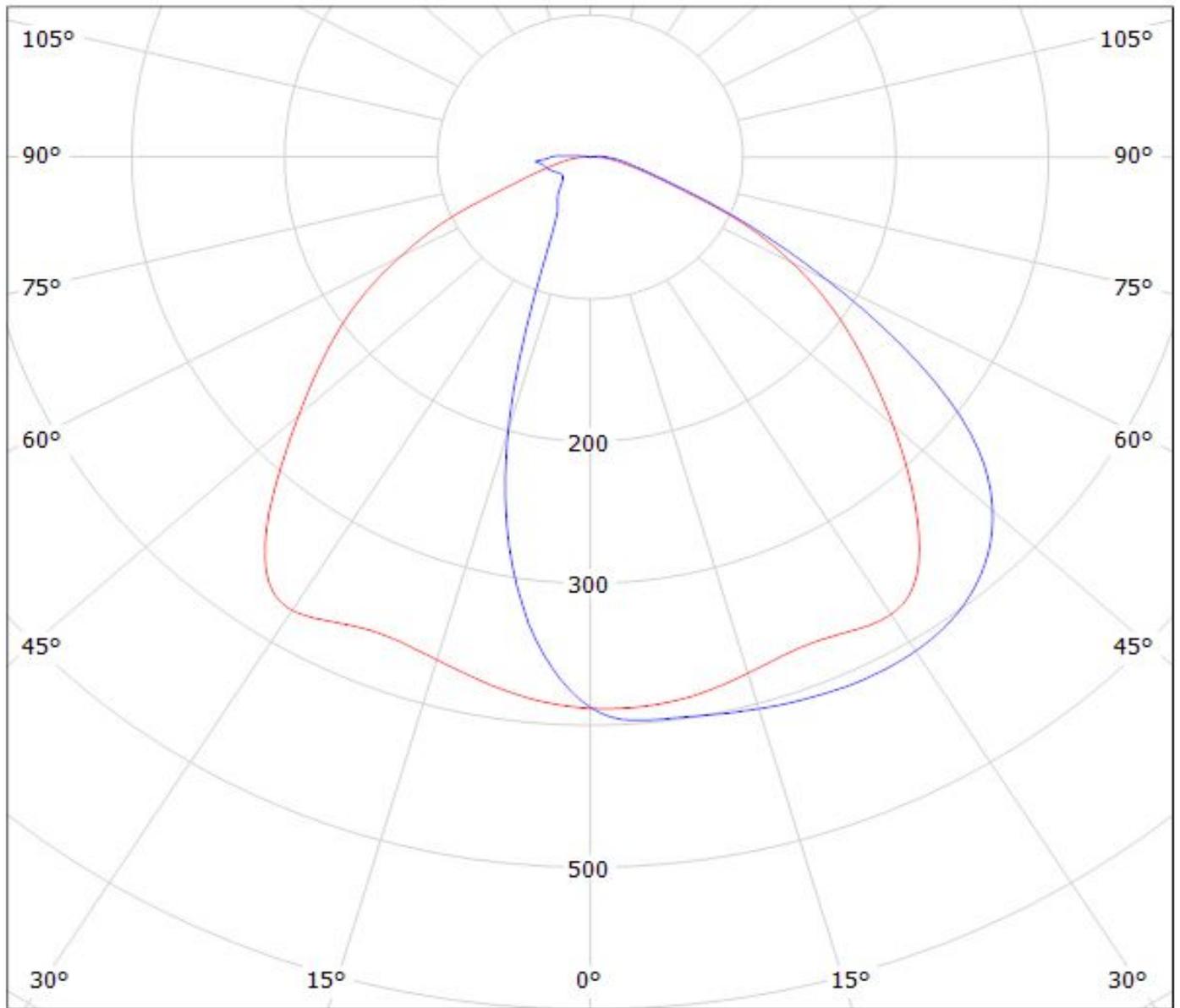
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(LUXEON_T)

Lamps: 1 x LUXEON_T_1x6_(LXH8-FW30-3)_433.852lm@250mA_P=4.17608W_I=249.9mA



cd/klm

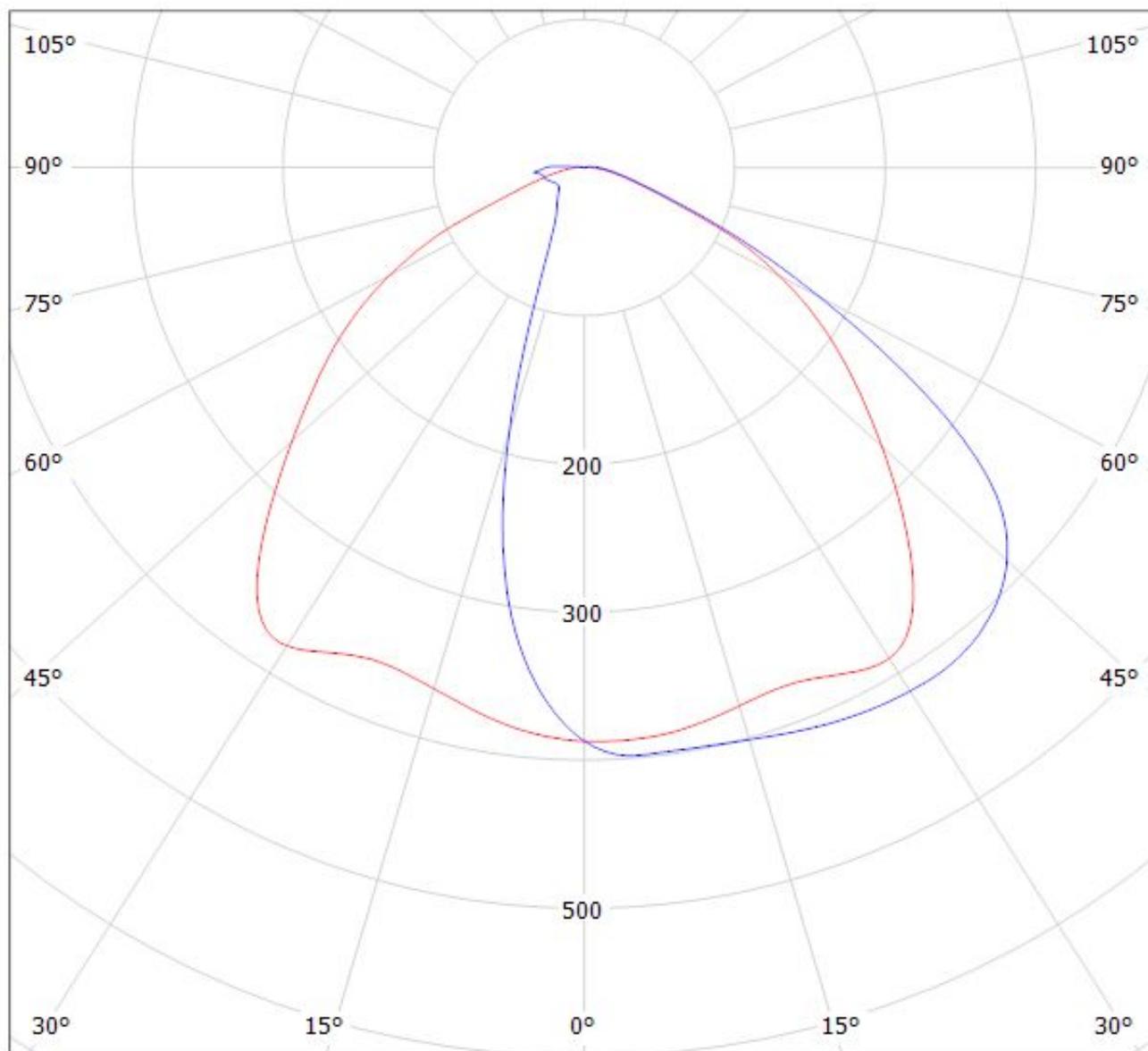
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(REBEL_ES)

Lamps: 1 x LUXEON_REBEL_ES_1x6_512.943lm@250mA_P=4.33102W_I=249.9mA



cd/klm

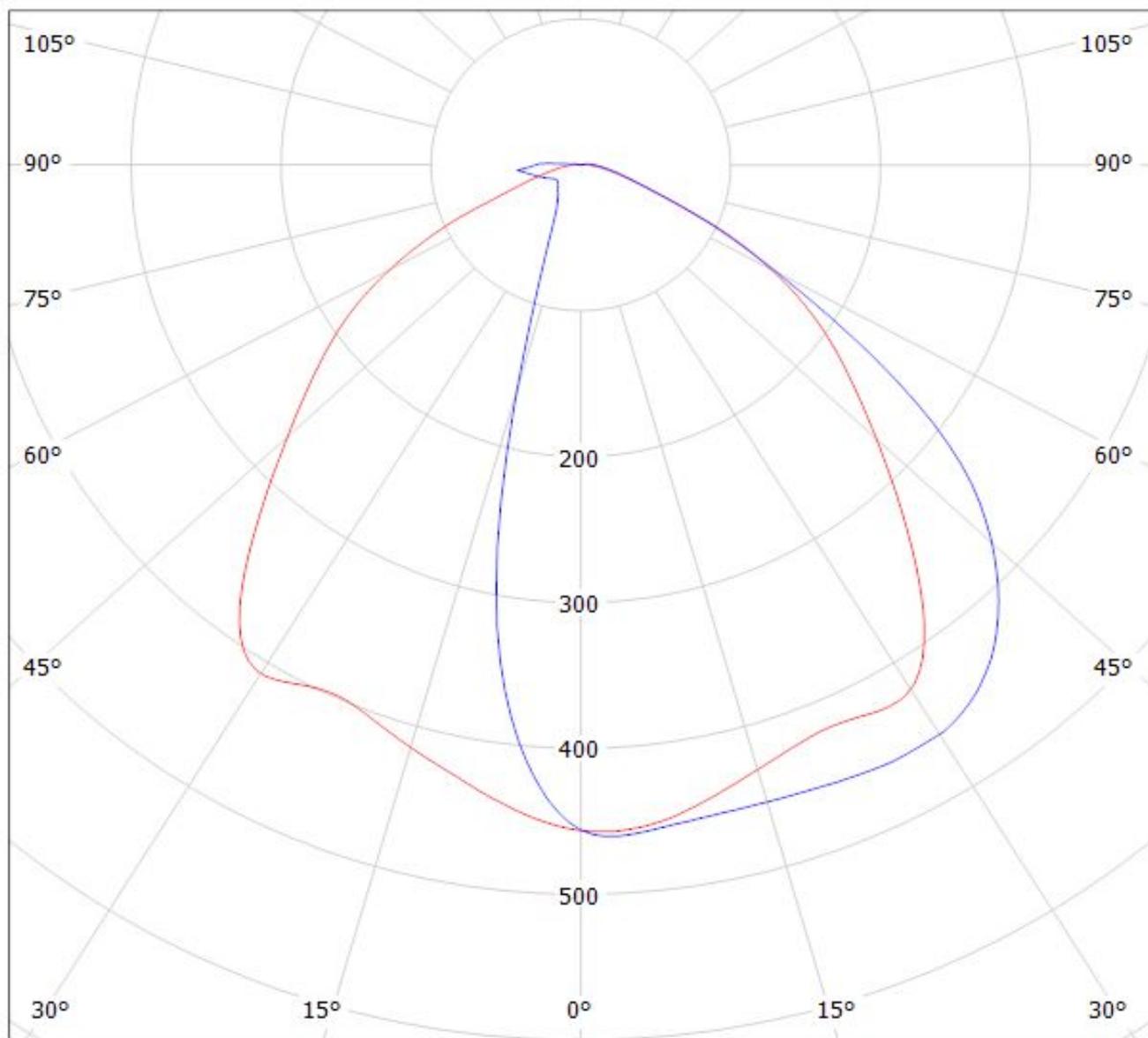
$\eta = 95\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(REBEL)

Lamps: 1 x LUXEON_REBEL_1x6_477.529lm@250mA_P=4.23231W_I=249.9mA



cd/klm

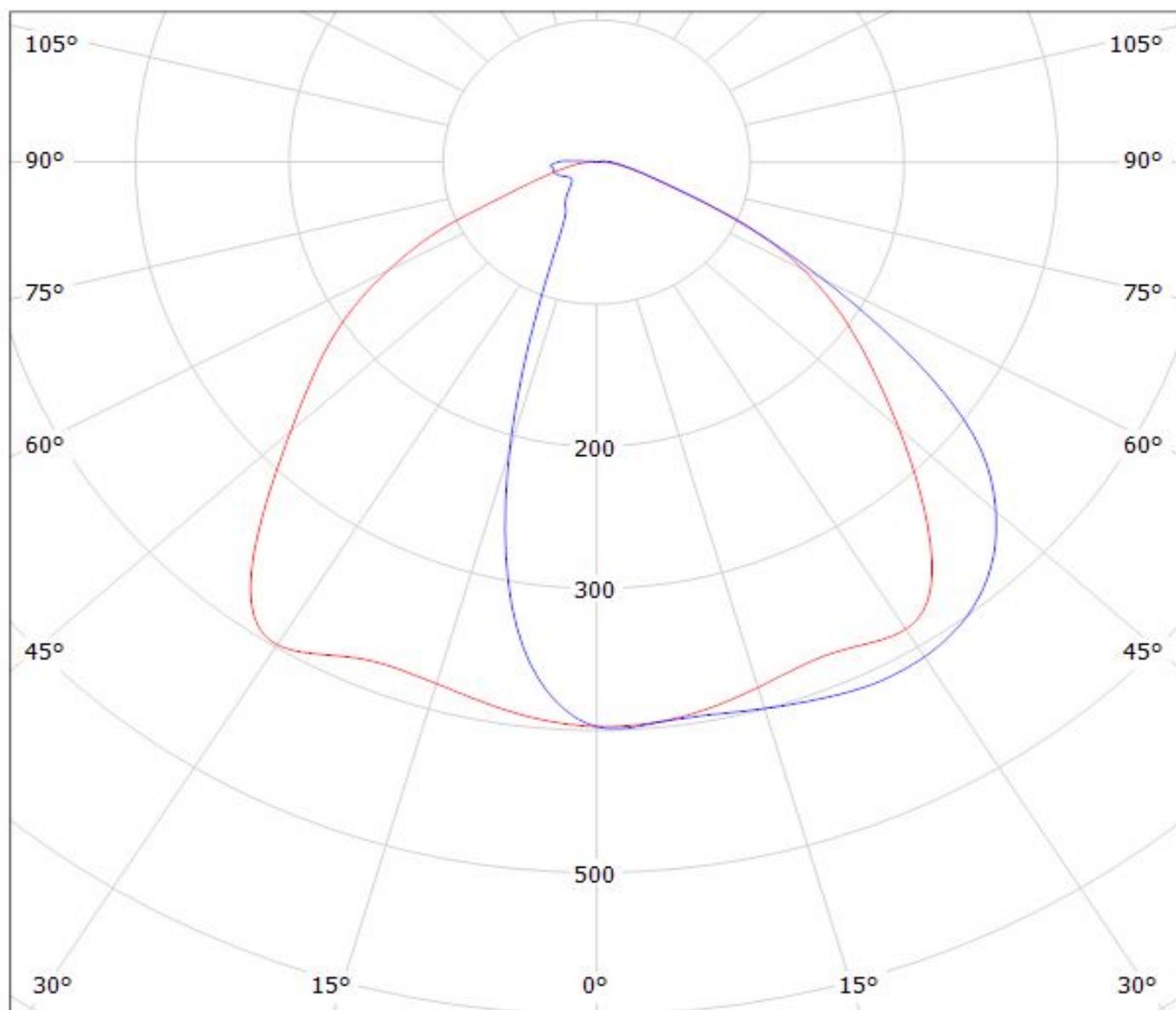
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(Luxeon_TX)

Lamps: 1 x Luxeon_TX_6x1_(L1T2-5770)_652.342lm@250mA_CCT=5700K_P=4.18365W_I=249.8mA



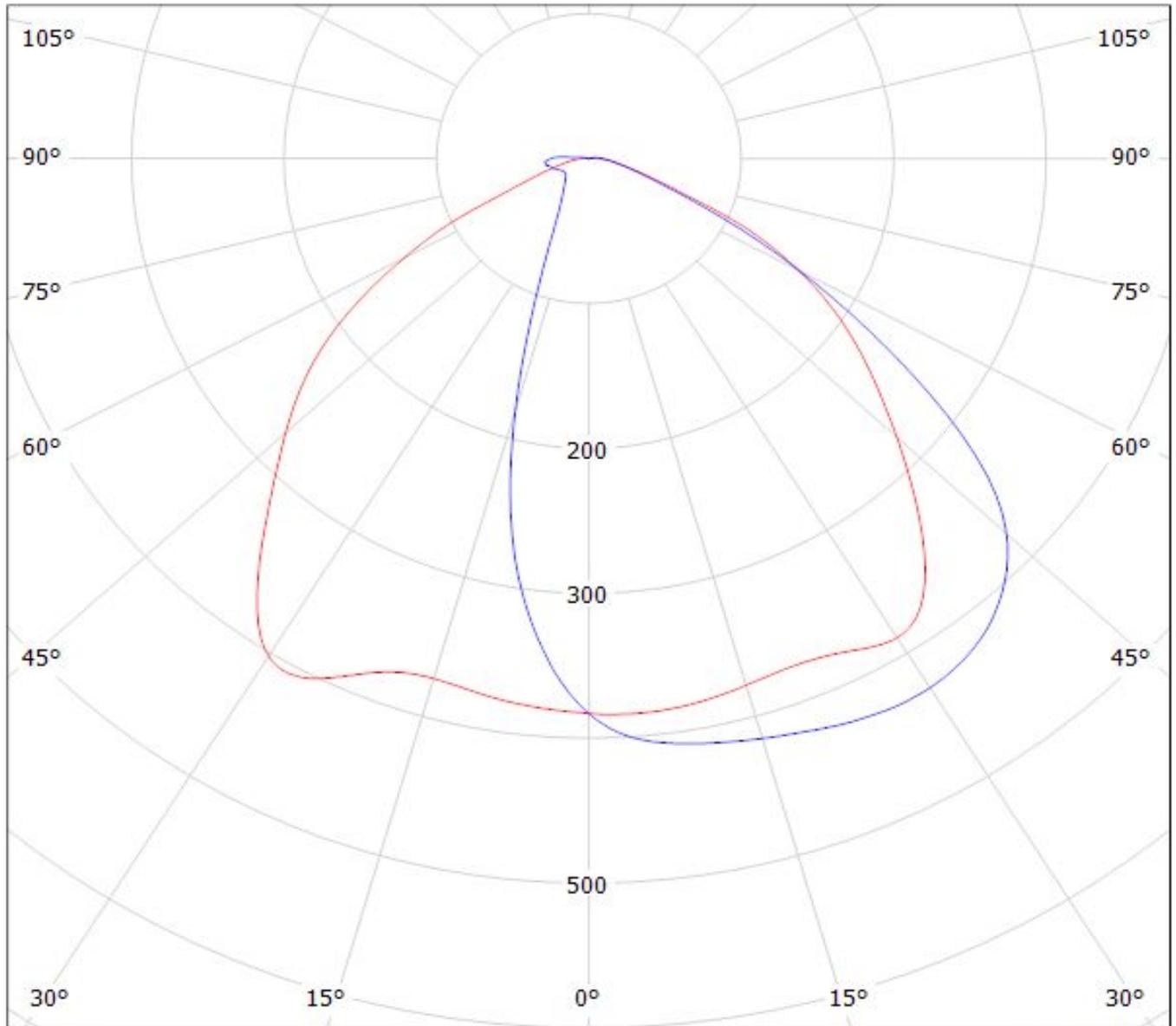
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NF2x757A)

Lamps: 1 x Nichia_NF2x757A_6x1_405.289lm@100mA_P=3.58939W_I=100.1mA



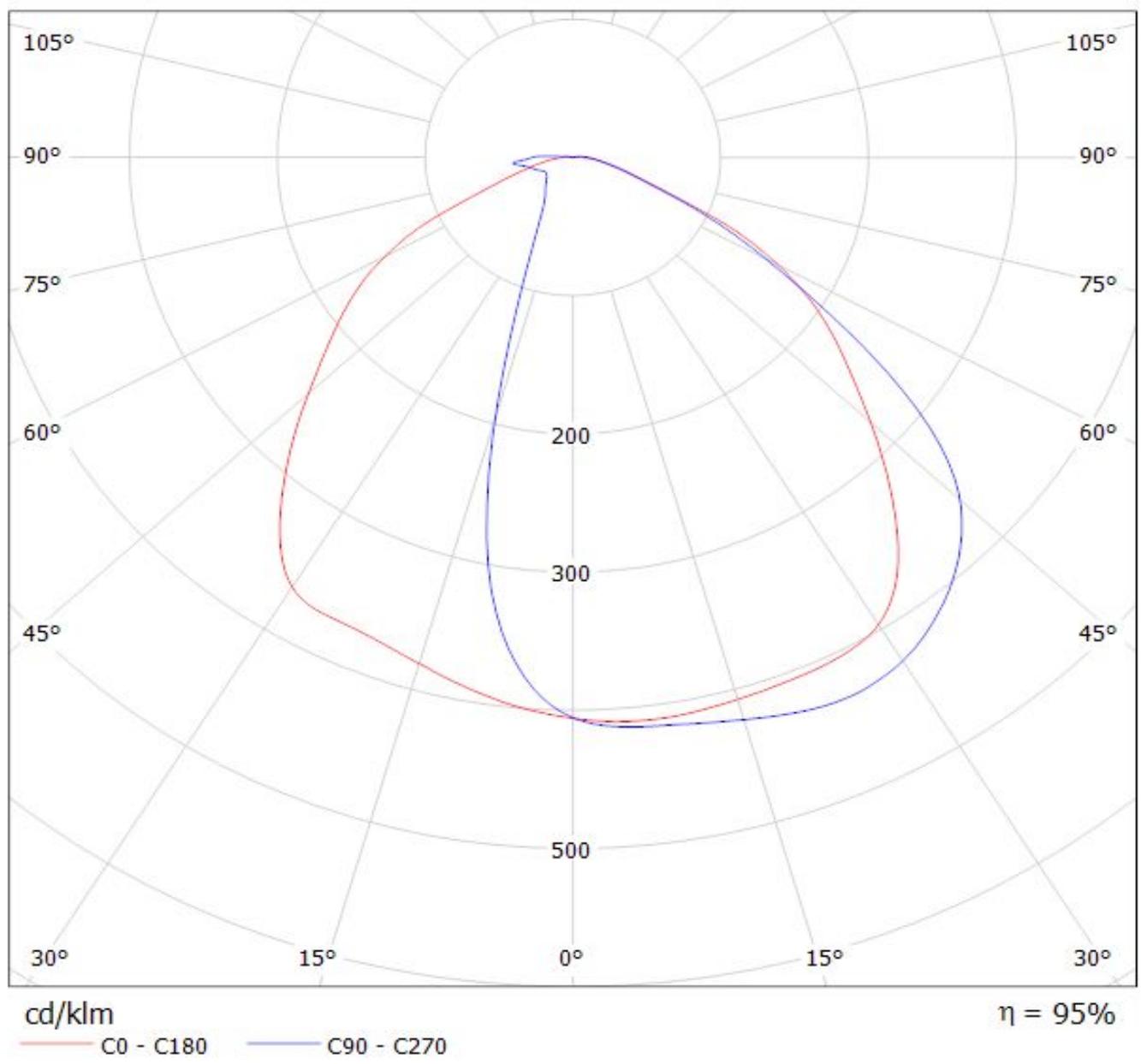
cd/klm

— C0 - C180

— C90 - C270

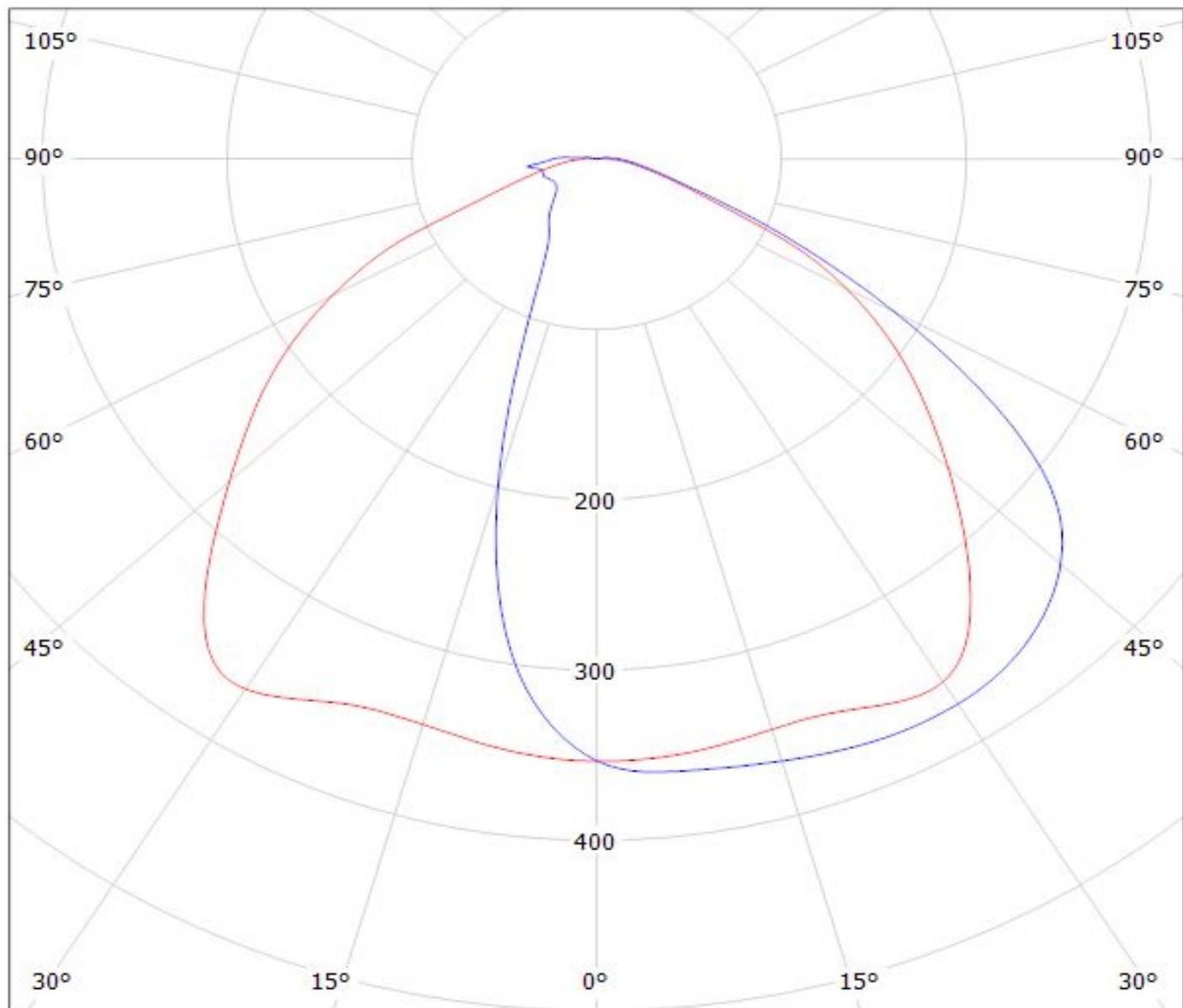
$\eta = 94\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NCS19A) Eff.94.7%
Lamps: 1 x NICHIA_NCS19A_1x6_531.294lm@250mA_P=4.61215W_I=249.9mA



Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NCSxx19B) Eff.94.3%

Lamps: 1 x NCSxx19B_1x6_623.272lm@250mA_P=4.18008W_I=249.9mA



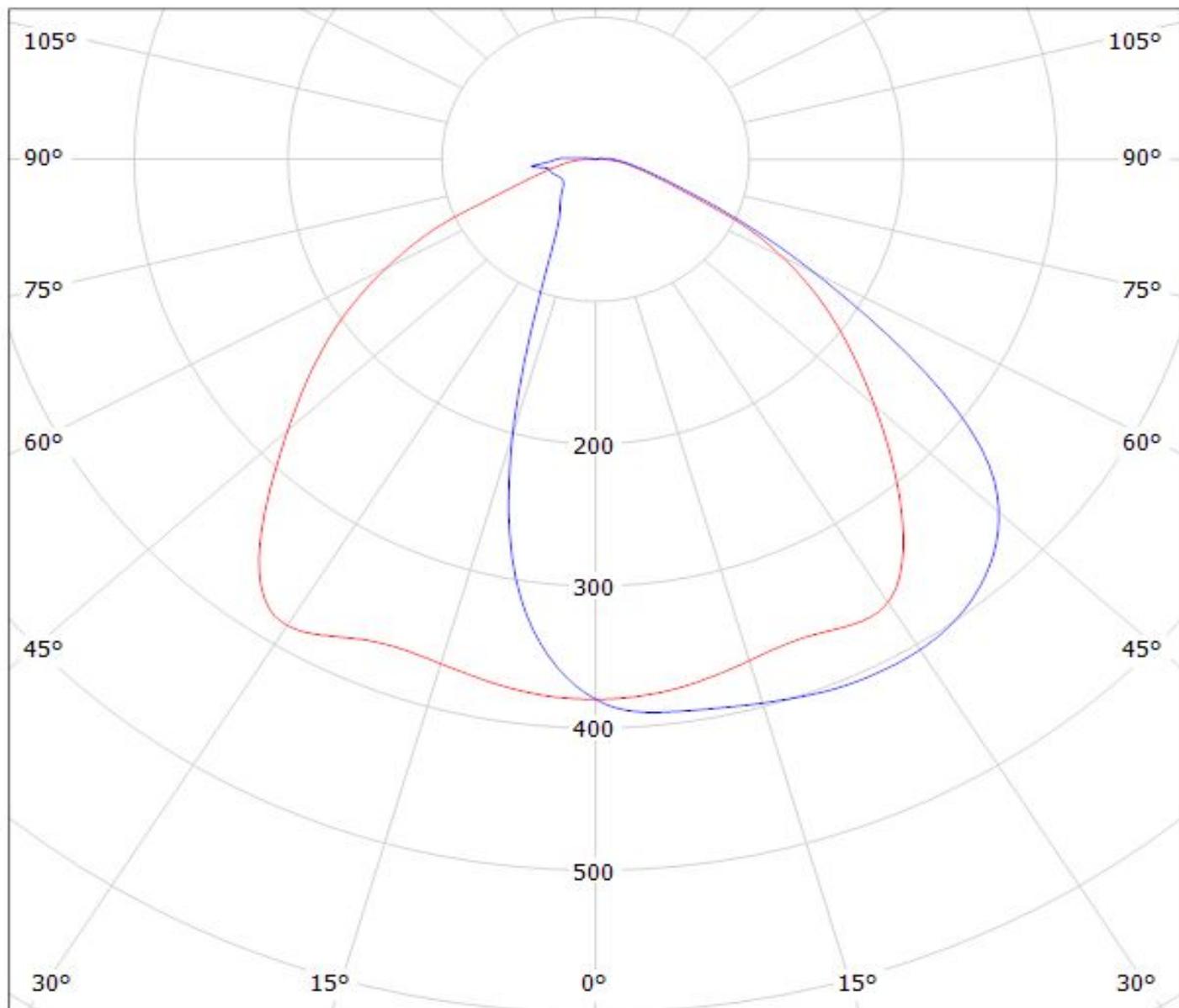
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NVSxx19A) Eff.94.5%
Lamps: 1 x NVSxx19A_1x6_578.655lm@250mA_P=4.379W_I=249.9mA



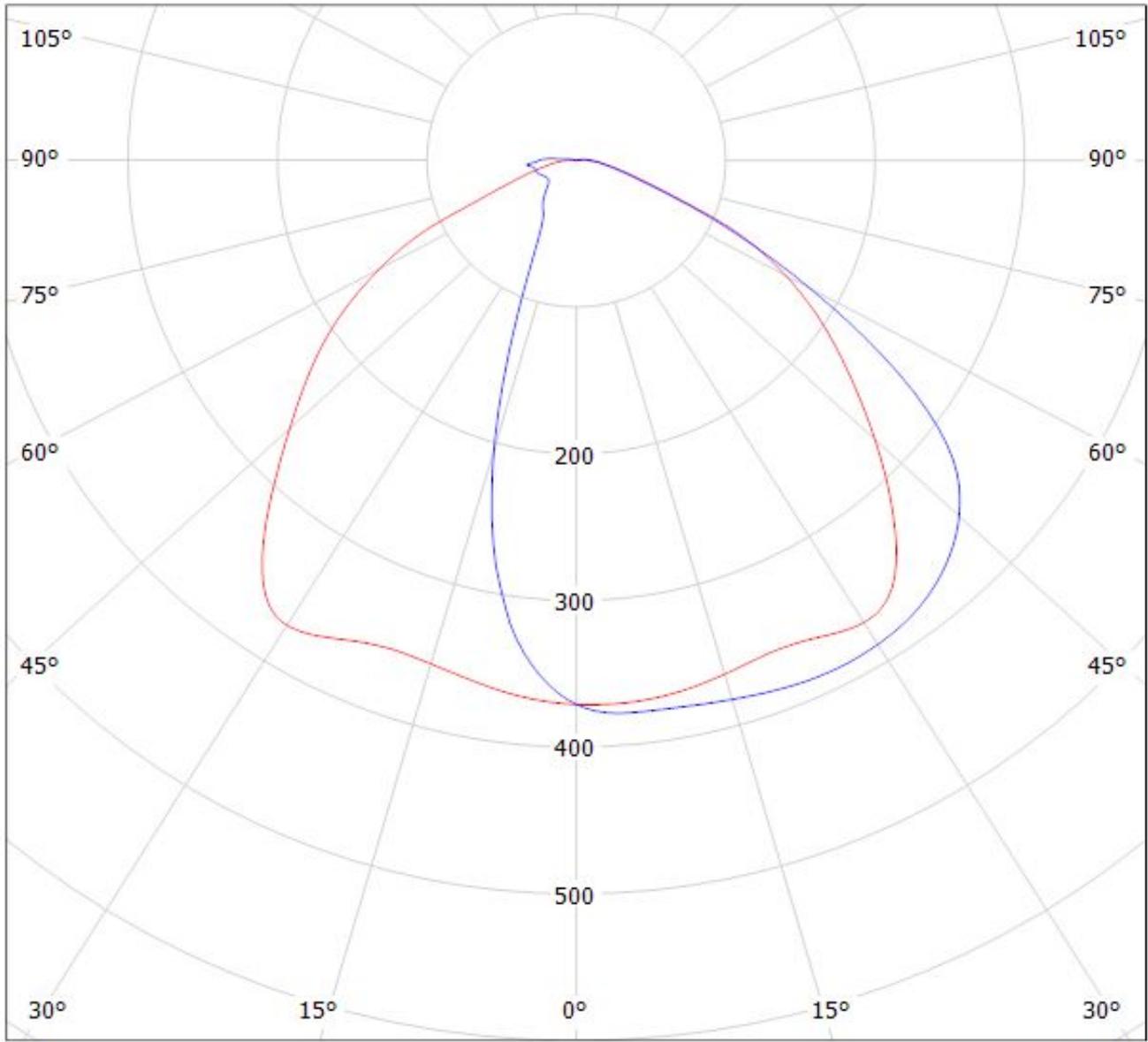
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14275_SHELLY-T-6X1-N_(NVSxx19B)
Lamps: 1 x NVSxx19B_1x6_459.756lm@250mA_P=4.21581W_I=249.9mA



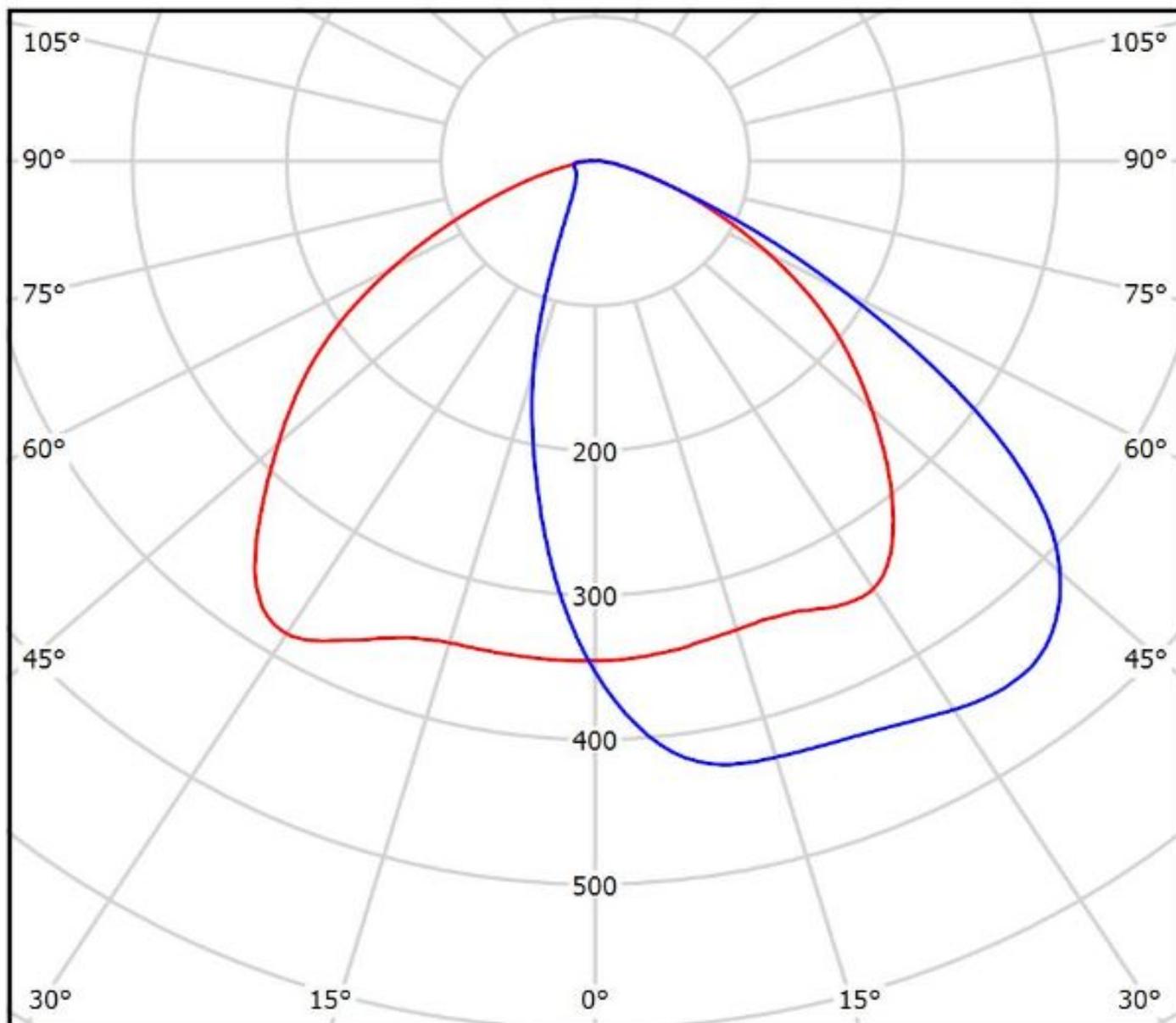
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil C14275_SHELLY-T-6X1-N_(Duris_S5_2_chip)

Lamps: 1 x Osram_Duris_S5_(2_chip)_ (PSLRS1EC-LQLS-5H7I-1)_756.726lm@150mA_P=5.6W_I=0.150A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

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.