

## DETAILS

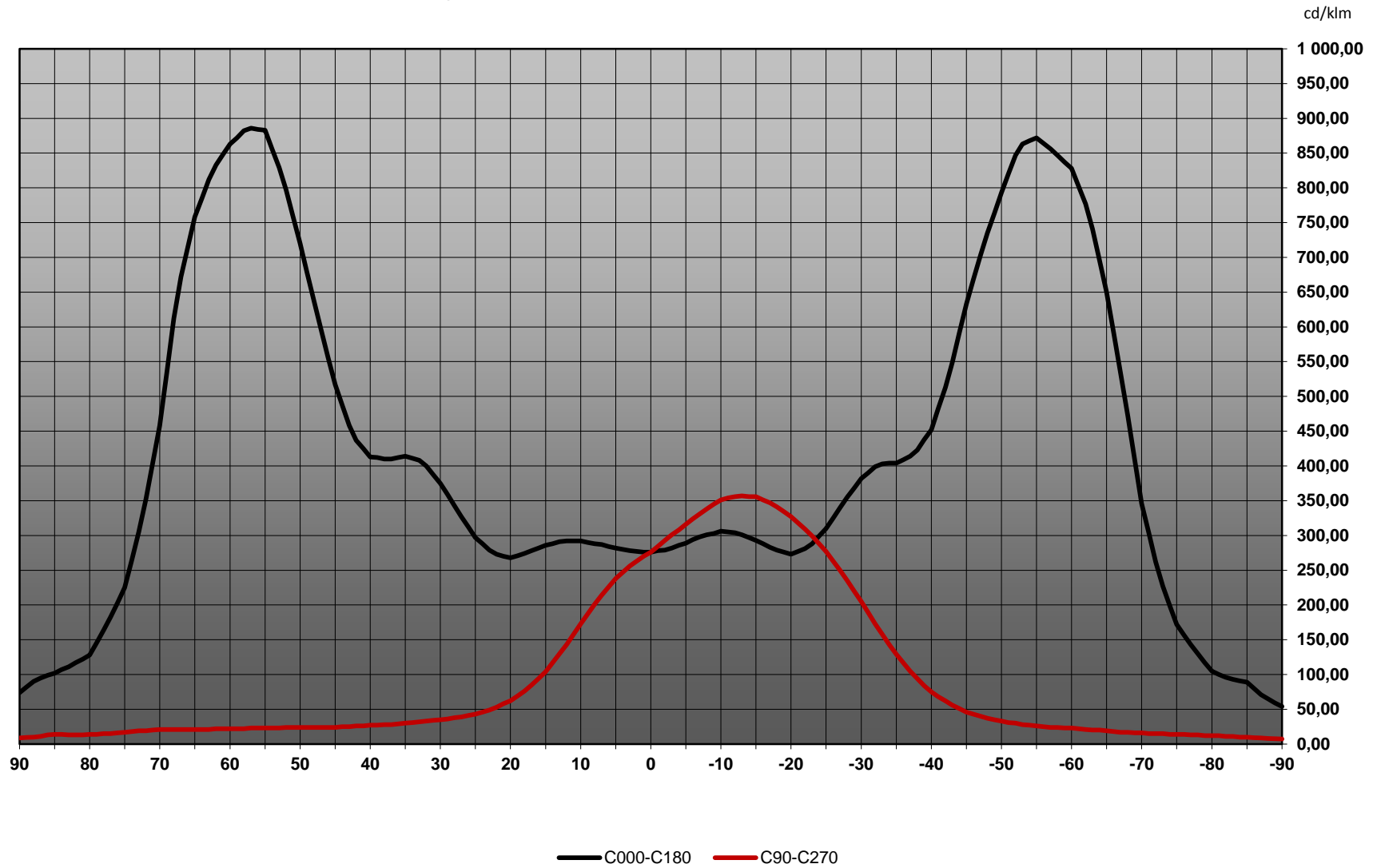
<b>Product Number</b>	CA12787_STRADA-K
<b>Family</b>	Strada
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	19,6 + 15,5 mm
<b>Height</b>	8,8 mm
<b>Style</b>	rectang
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	tape, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	31/03/2014



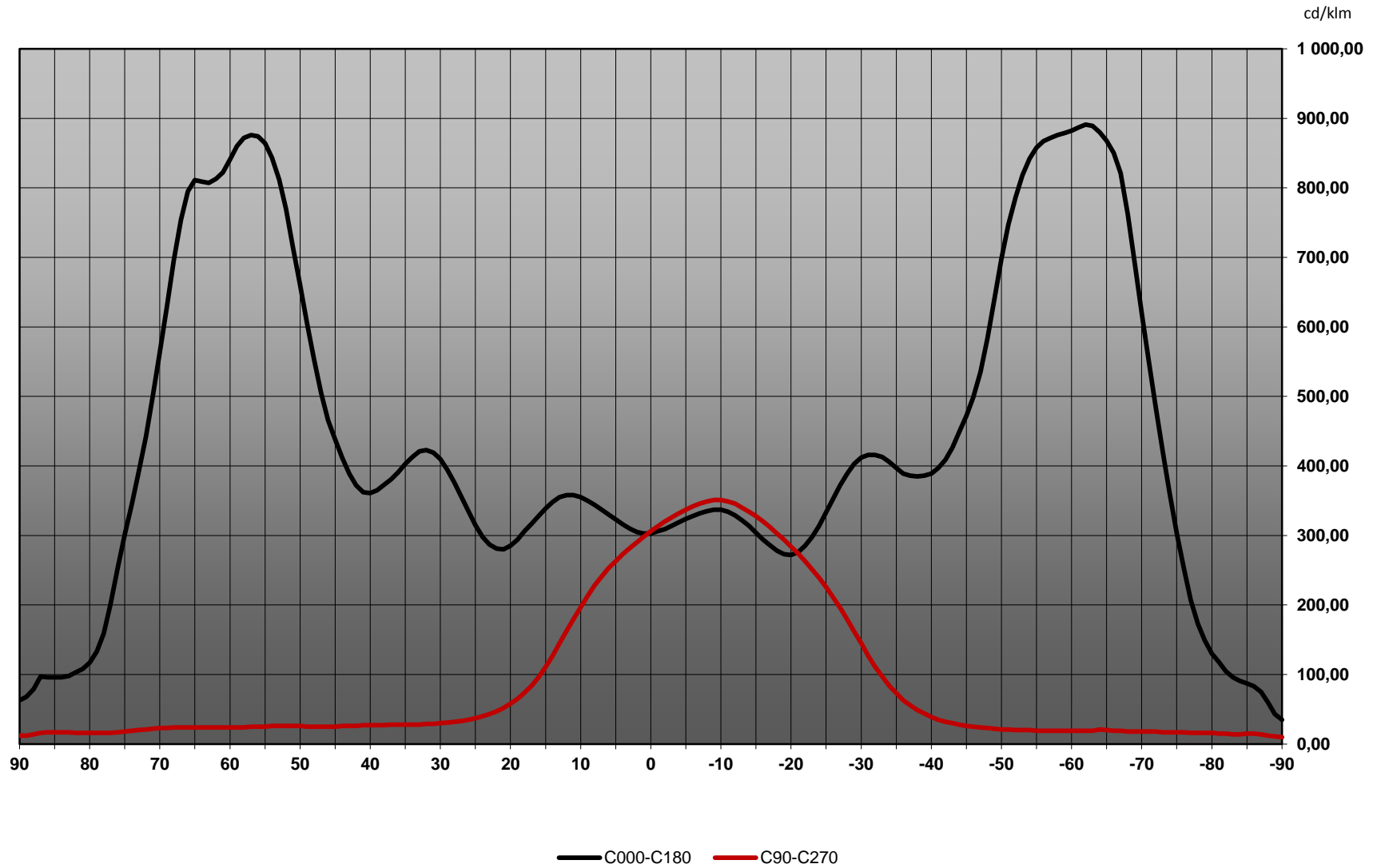
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G	Asymmetric deg	Streetligh...	95 %	1.000	-
XT-E	Asymmetric deg	Streetligh...	96 %	1.160	-
XB-D	Asymmetric deg	Streetligh...	96 %	1.180	-
XP-G2	asymmetric deg	Streetligh...	94 %	1.000	-
XP-E2	asymmetric deg	Streetligh...	94 %	1.100	-
H35C0 (LEMWA33)	Asymmetric deg	Streetligh...	96 %	0.840	-
LUXEON T	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON TX	Asymmetric deg	Streetligh...	94 %	1.050	-
NVSxx19B/NVSxx19C	sim: Asym	Streetligh...	sim: 94 %	sim: 1.007	-
Fortimo FastFlex LED board 2x8/757 DS	Asymmetric deg	Streetligh...	94 %	0.970	-
LH351A(3535)	sim: Asymmetric	Streetligh...	sim: 92 %	-	-
LH351B	sim: Asymmetric	Streetligh...	sim: 94 %	-	-
LH351Z	asymmetric deg	Streetligh...	94 %	1.100	-
TL1L4	asymmetric deg	Streetligh...	94 %	1.170	-

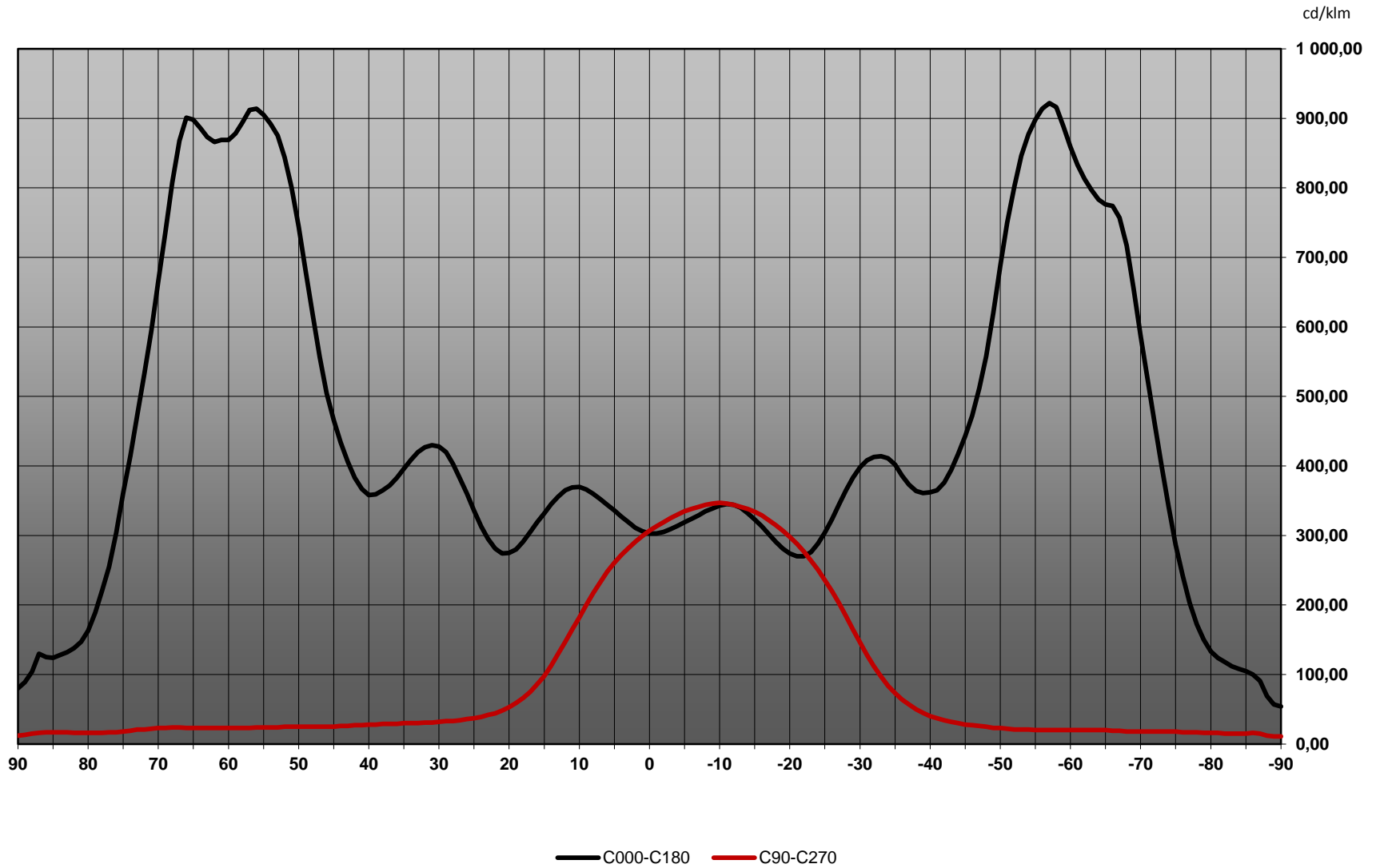
# Absolute intensity of CA12787\_&\_C12786\_STRADA-K\_(XP-G)



# Absolute intensity of CA12787\_STRADA-K\_(XT-E\_AWT)



# Absolute intensity of CA12787\_STRADA-K\_(XB-D)



D

C

B

A

4

4

Isometric view

Bottom view

3

3

PCB- suggestion

Front view

2

2

Top view

Material: PMMA

Tolerances for dimensions:

0-20mm tolerance value  $\pm 0.1$ mm21-45mm tolerance value  $\pm 0.2$ mm46-90mm tolerance value  $\pm 0.3$ mm91-100mm tolerance value  $\pm 0.4$ mm101-mm tolerance value  $\pm 0.5$ mm

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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

DRAWING TITLE

Datasheet STRADA-K

DRAWN BY

mav

DATE

18.04.2012

CHECKED BY

sn

DATE

18.04.2012

SIZE

A4

DRAWING NUMBER

CA12787

REV

1

DESIGNED BY

mav

DATE

06.03.2012

SCALE

1:1

WEIGHT (g)

SHEET

1/1

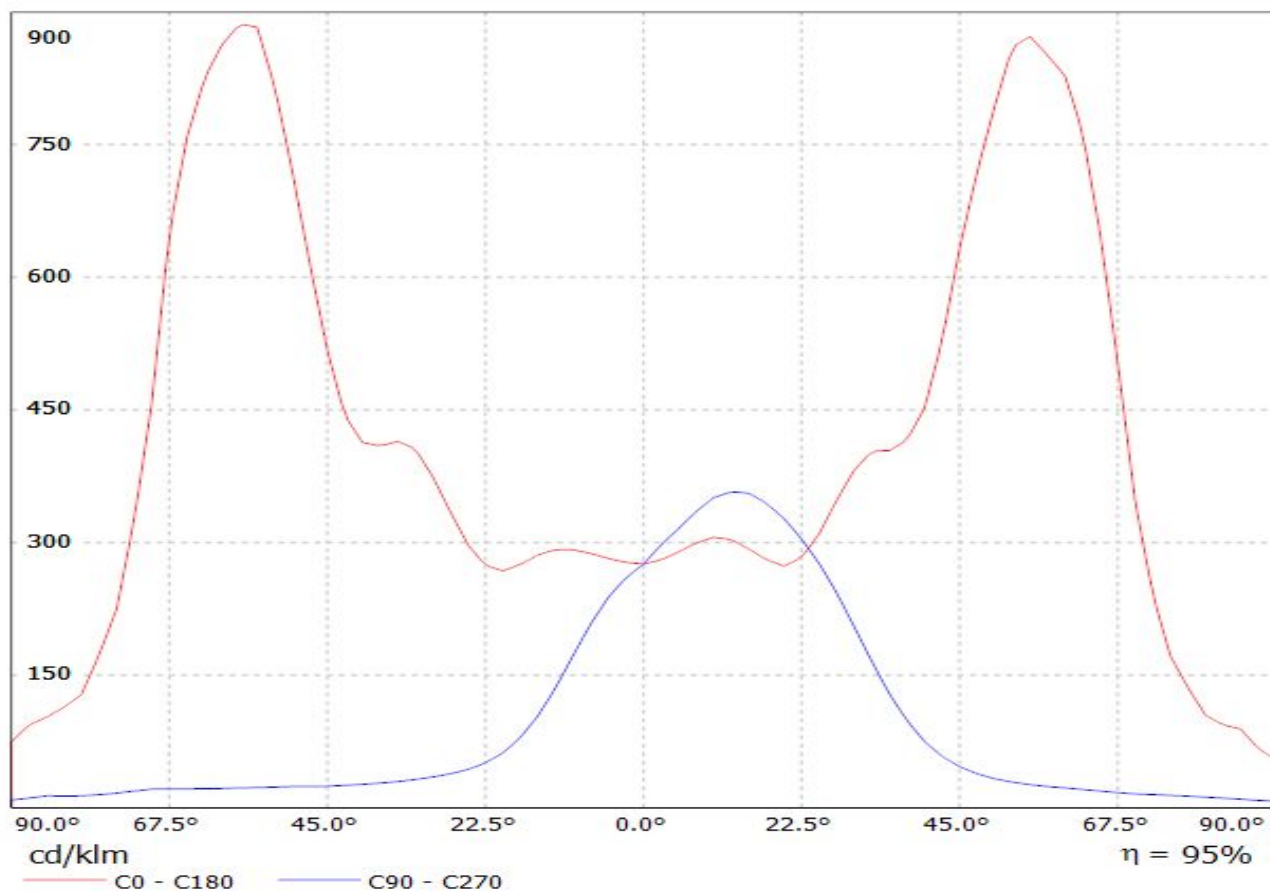
D

A

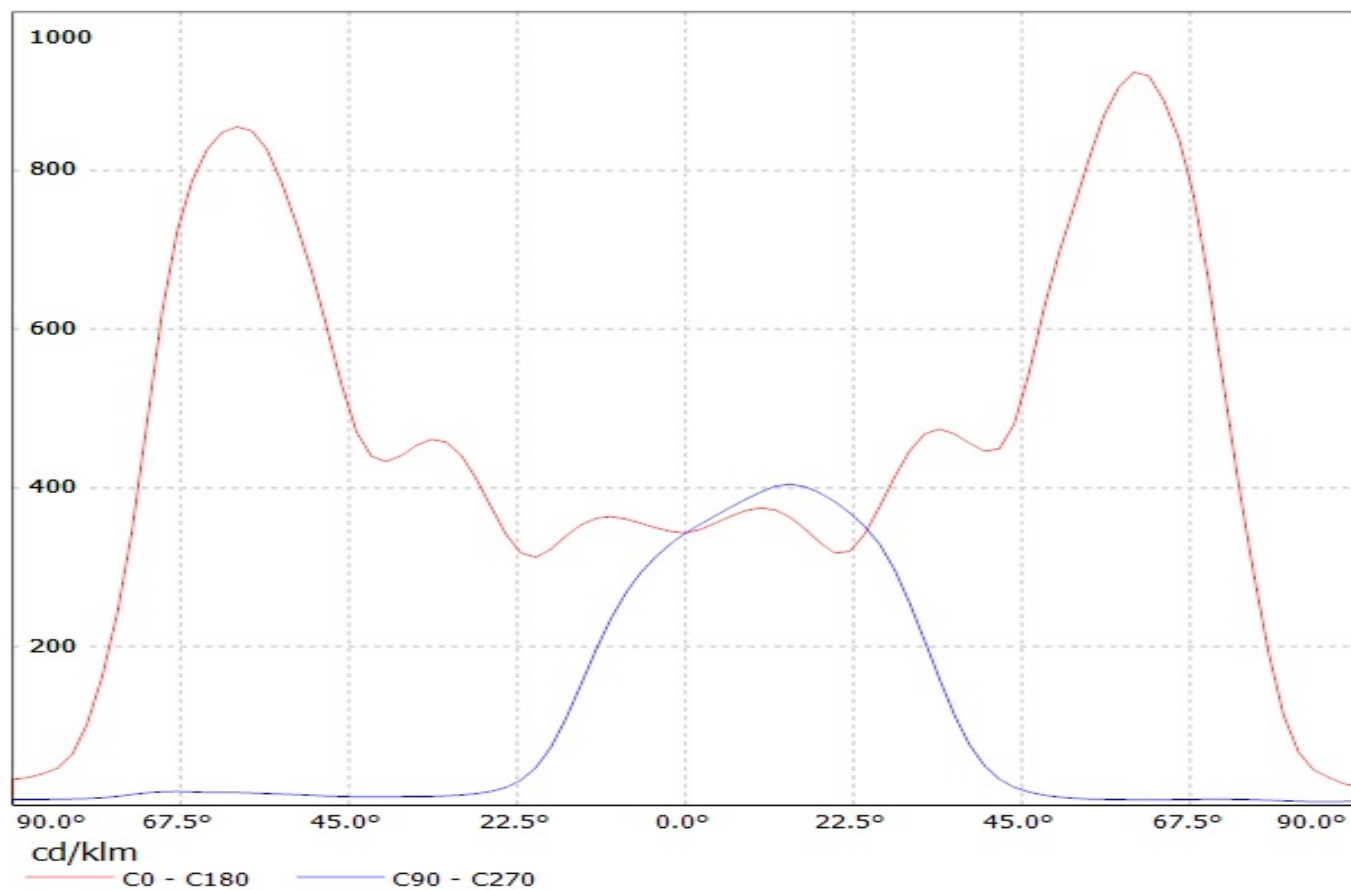
1

1

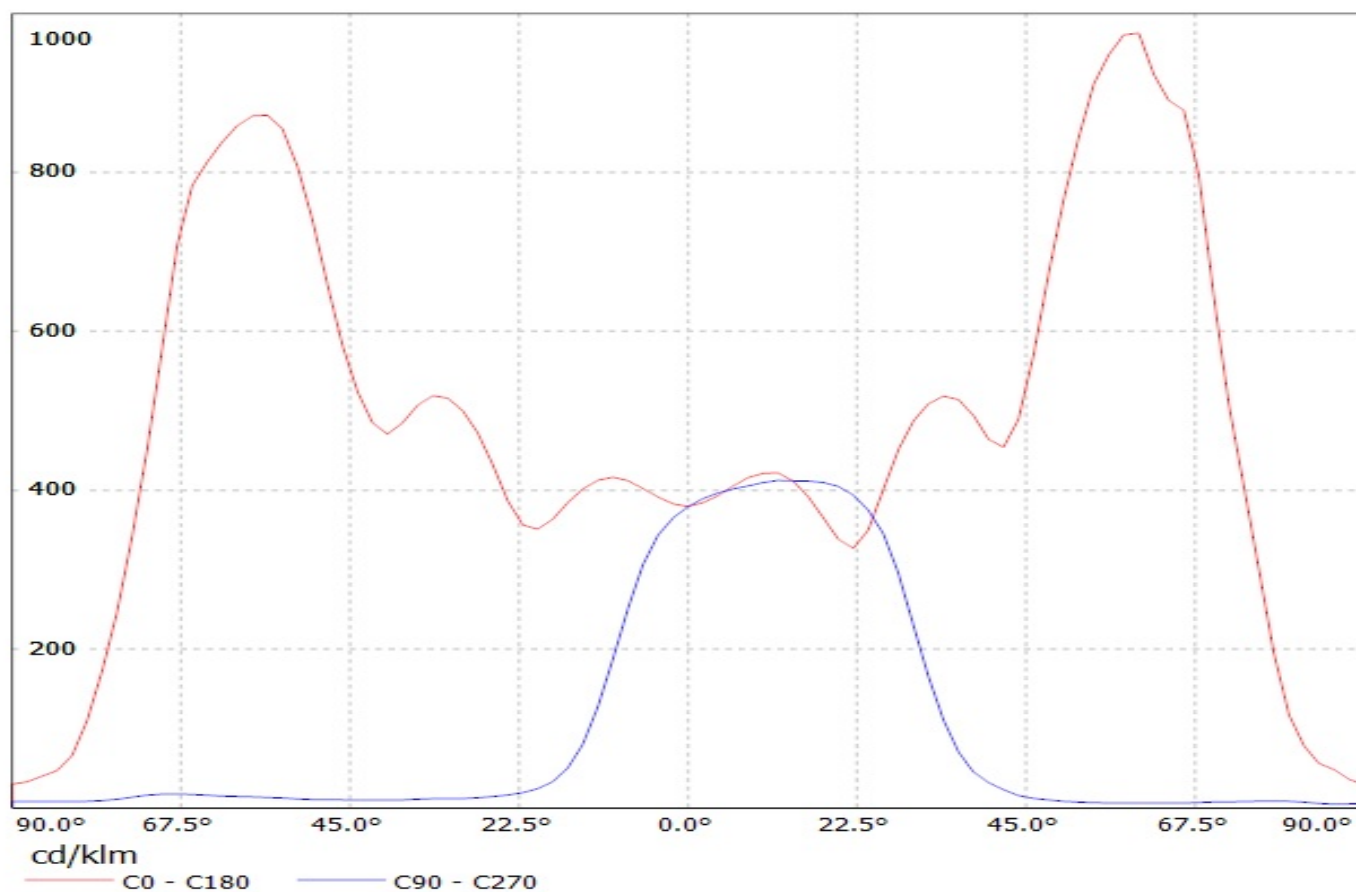
Luminaire: LEDIL OY CA12787\_&\_C12786\_STRADA-K\_(XP-G) Eff=95%  
Lamps: 1 x Cree XP-G 86.6lm@ 250mA



Luminaire: LEDil Oy CA12787\_STRADA-K\_(XP-G2) Efficiency=94%  
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 101lm @ 250mA CCT=6600K P=0.7W I=250mA

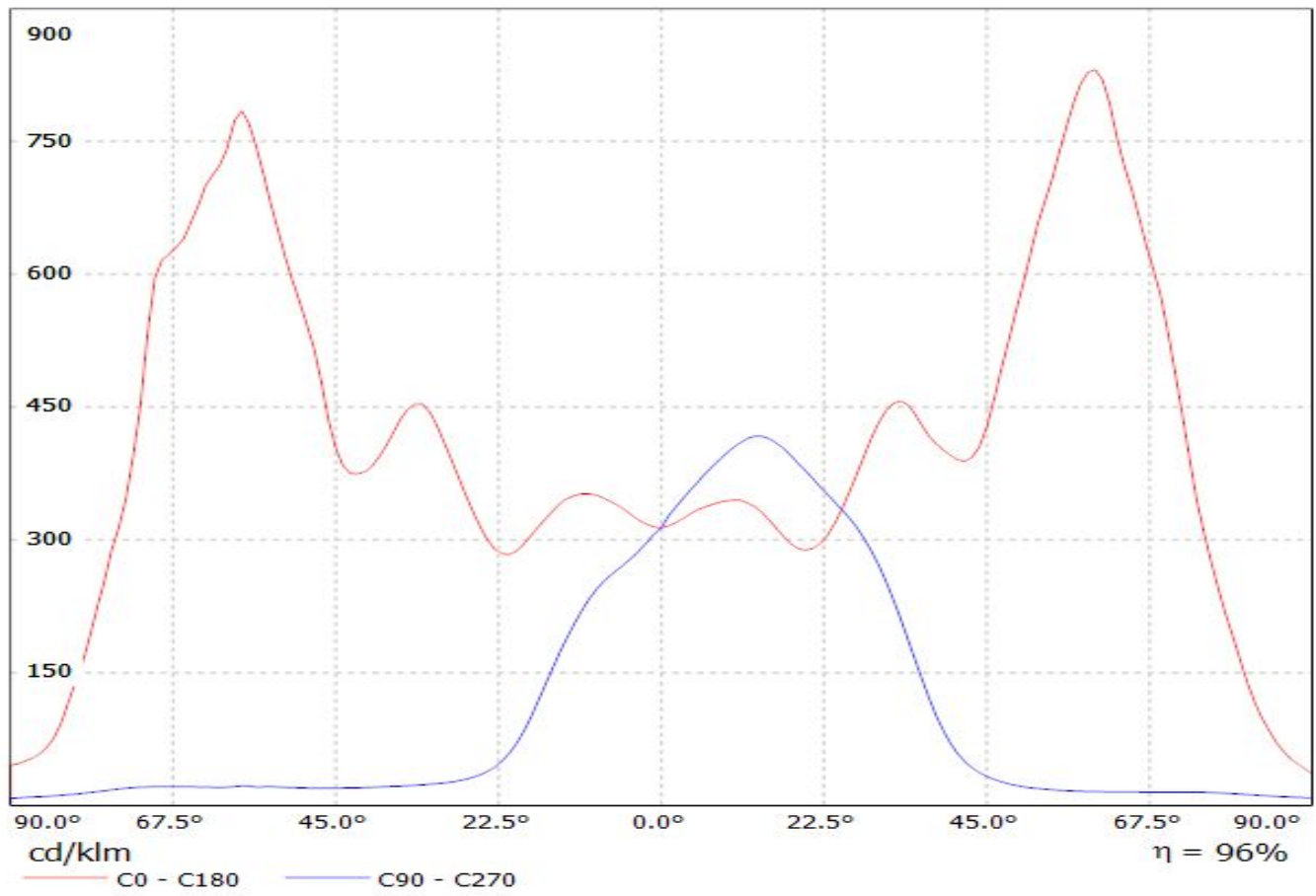


Luminaire: LEDil Oy CA12787\_STRADA-K\_(XP-E2) Efficiency=94%  
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 84.8lm @ 250mA CCT=3200K P=0.8W I=250mA





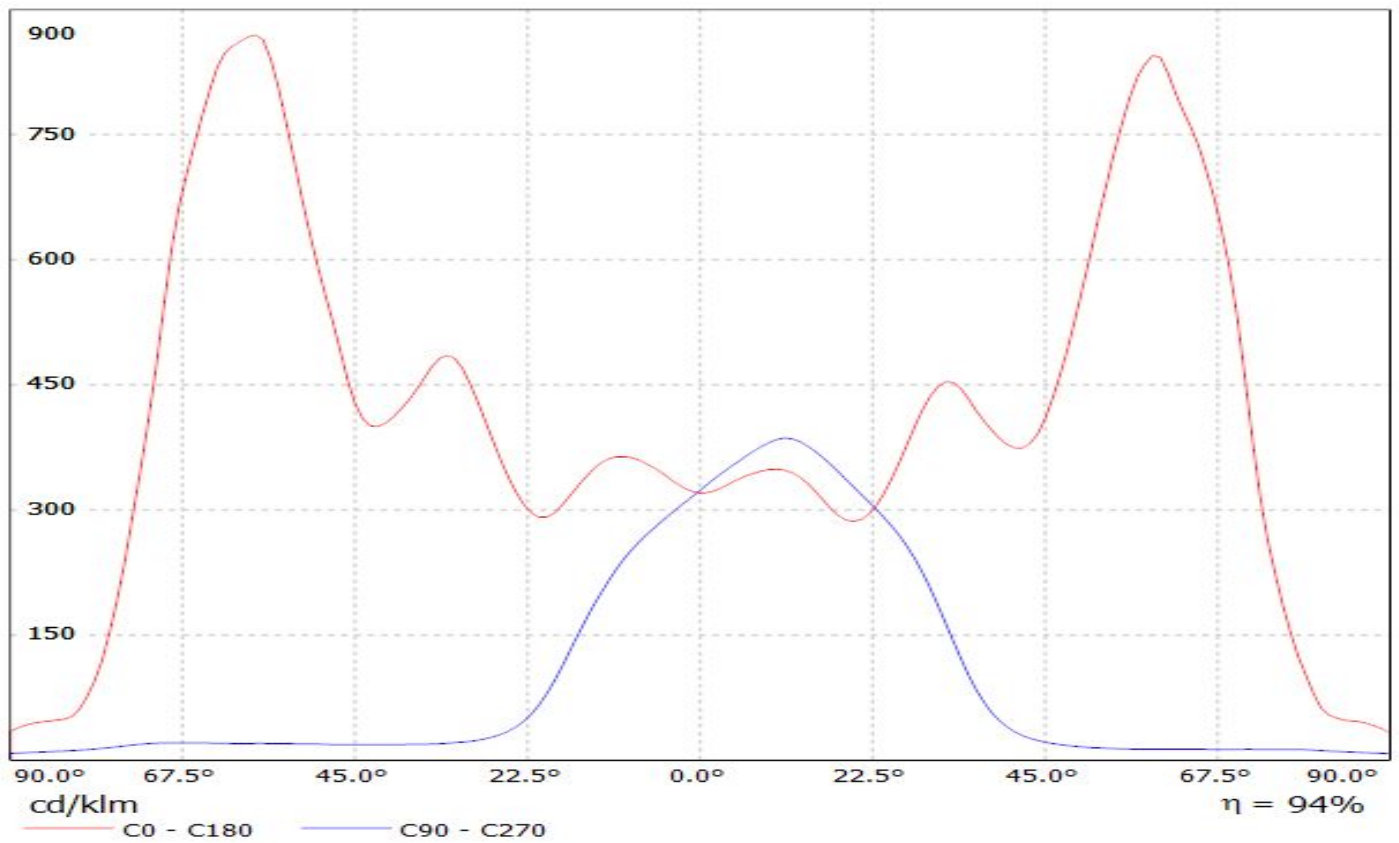
Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LG3535) Eff. 96,1%  
Lamps: 1 x LG Ceramic 3535 PKG (95lm@250mA)



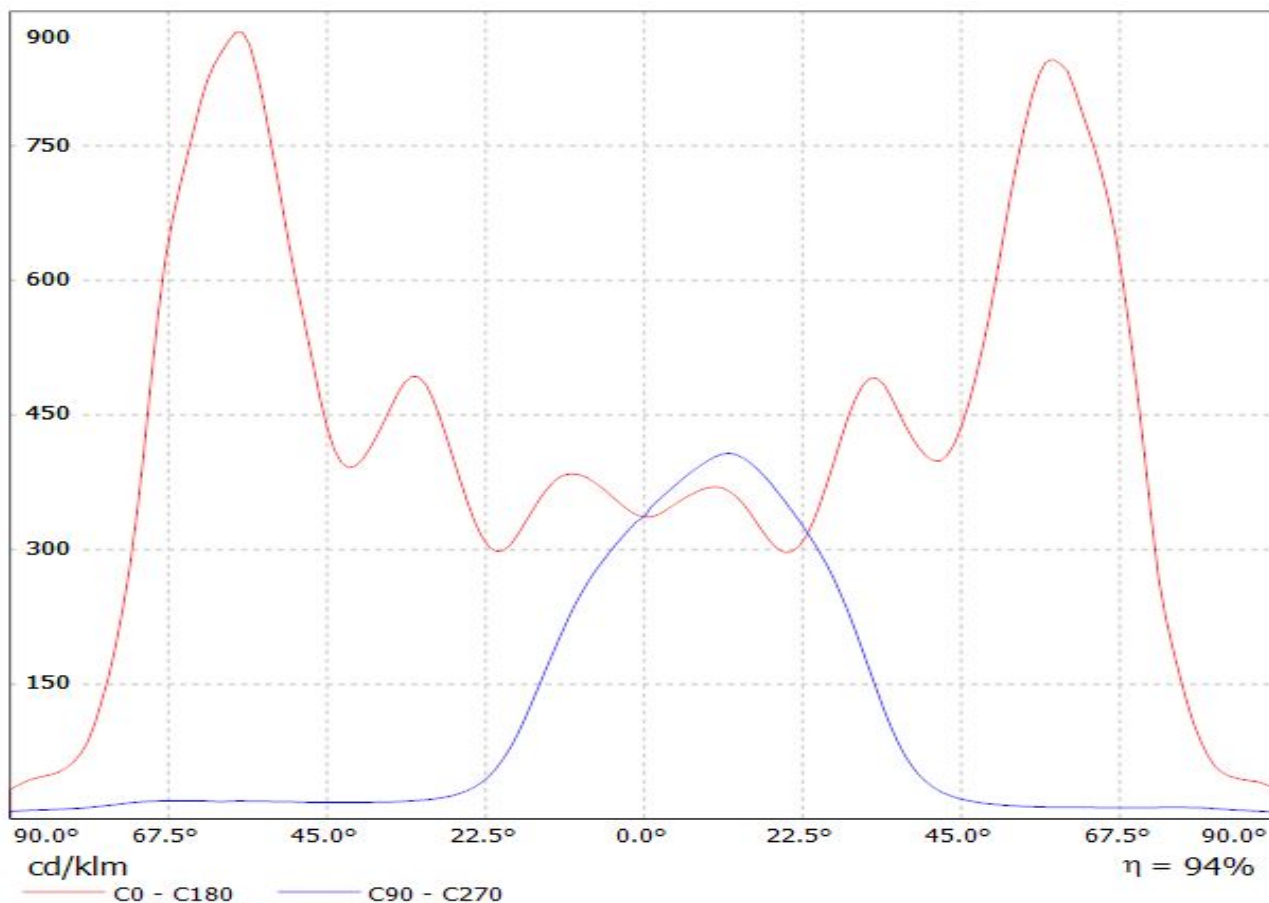
# LEDiL Oy CA12787\_STRADA-K\_(LUXEON\_T) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LUXEON\_T) Eff.94.0%

Lamps: 1 x LUXEON\_T\_(LXH8-FW30-3)\_74.11lm@250mA\_CCT=3158K\_P=0.730833W\_I=249.9mA

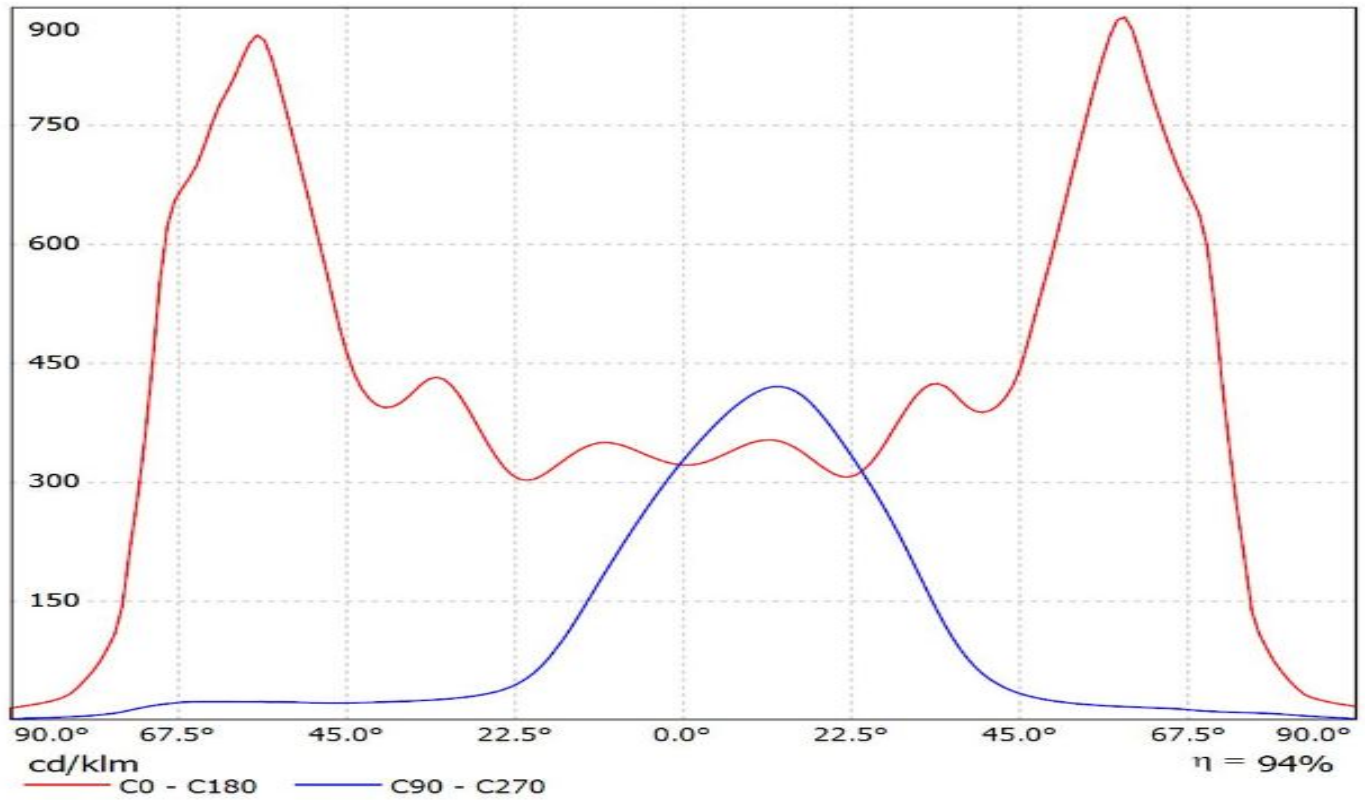


Luminaire: LEDiL Oy CA12787\_STRADA-K (Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.1801lm@250mA\_CCT=3500K\_P=0.730583W\_I=249.9mA



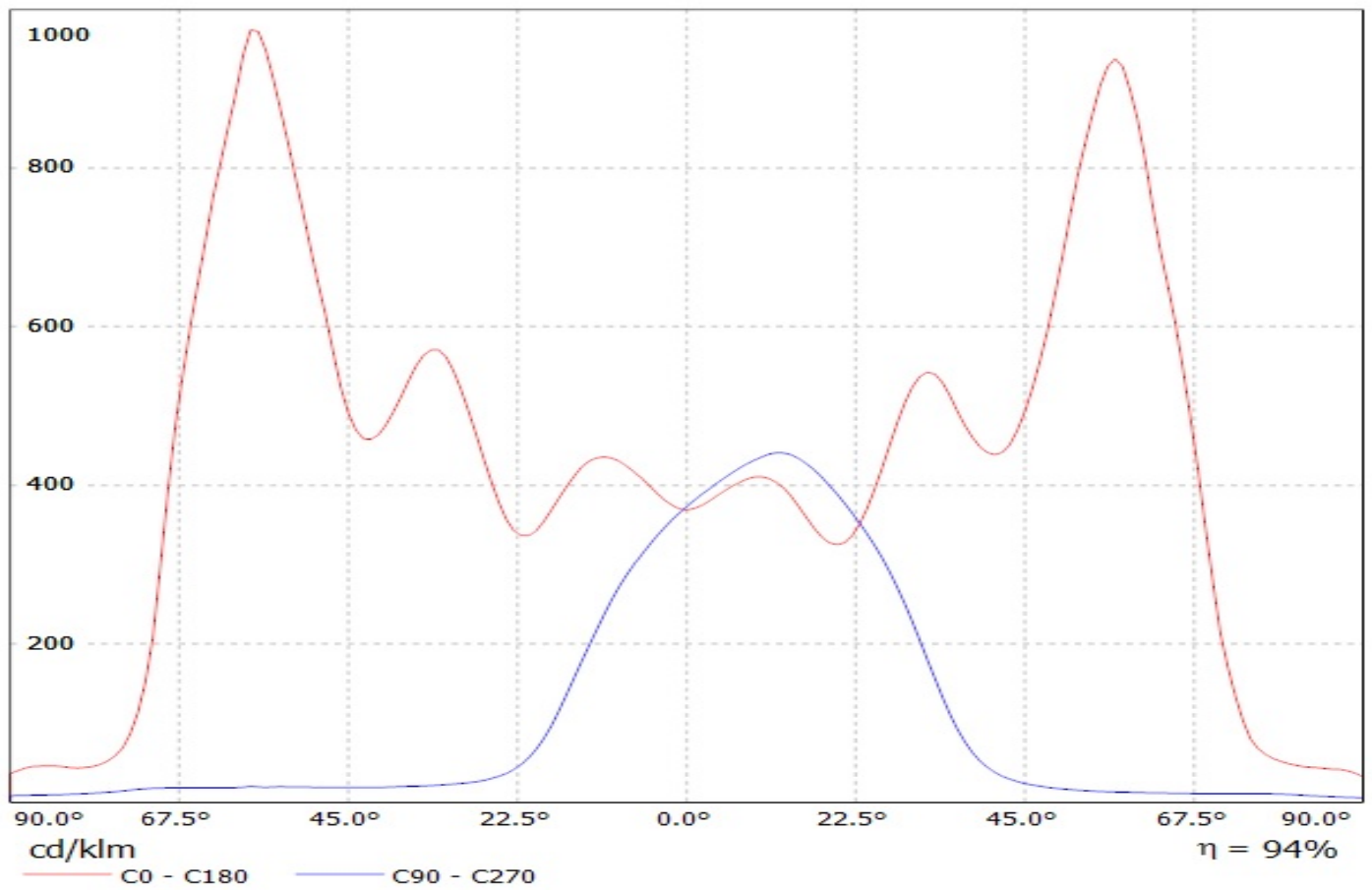
**Ledil CA12787\_STRADA-K\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) / LDC (Linear)**

Luminaire: Ledil CA12787\_STRADA-K\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3)  
Lamps: 1 x Philips\_Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3\_(XP-G2)  
\_3428.78lm@500mA\_P=23.7W\_I=0.5A



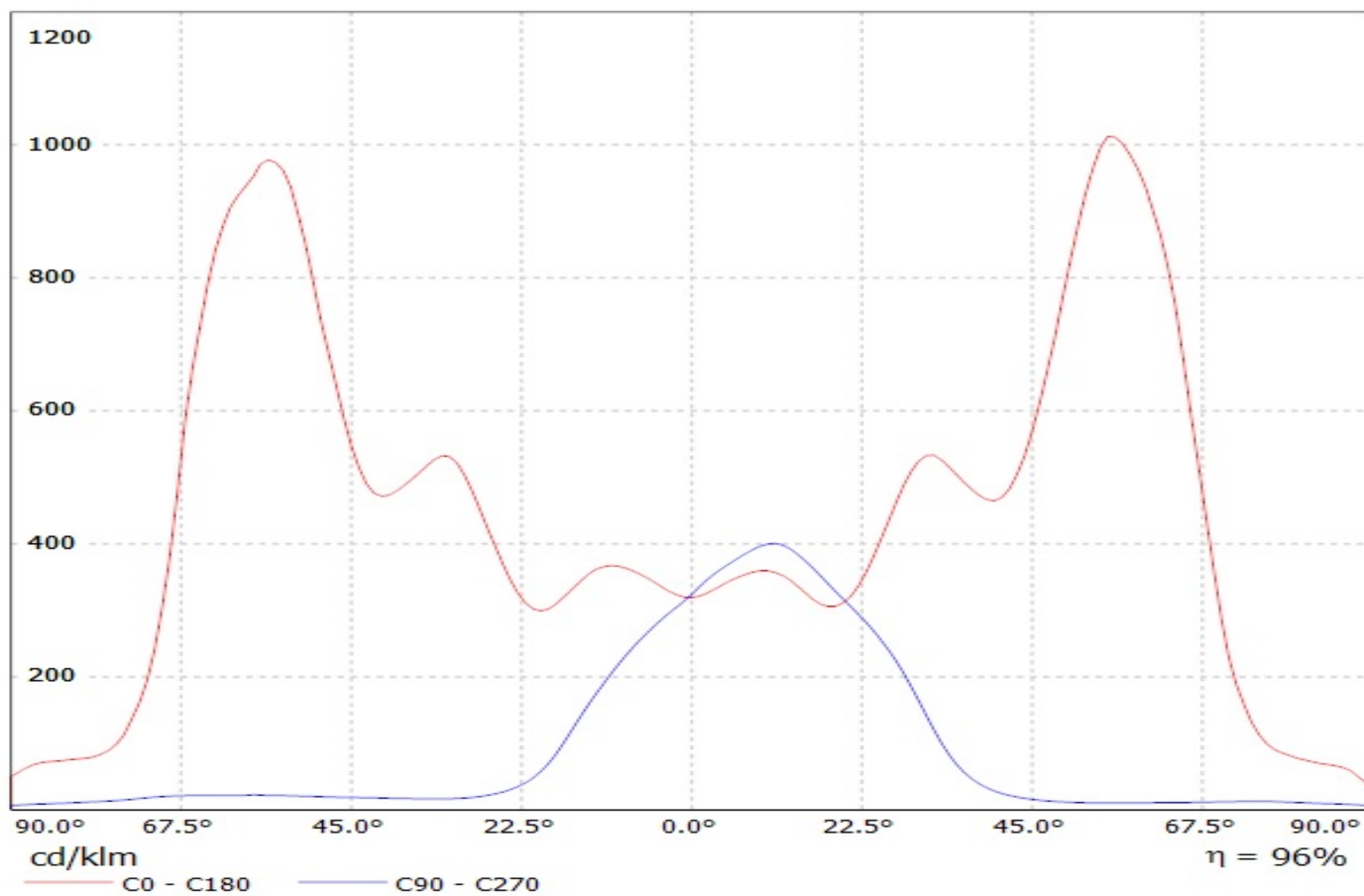
Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LH351Z)

Lamps: 1 x SAMSUNG\_LH351Z\_92.91lm@250mA\_P=0.747026W\_I=249.9mA



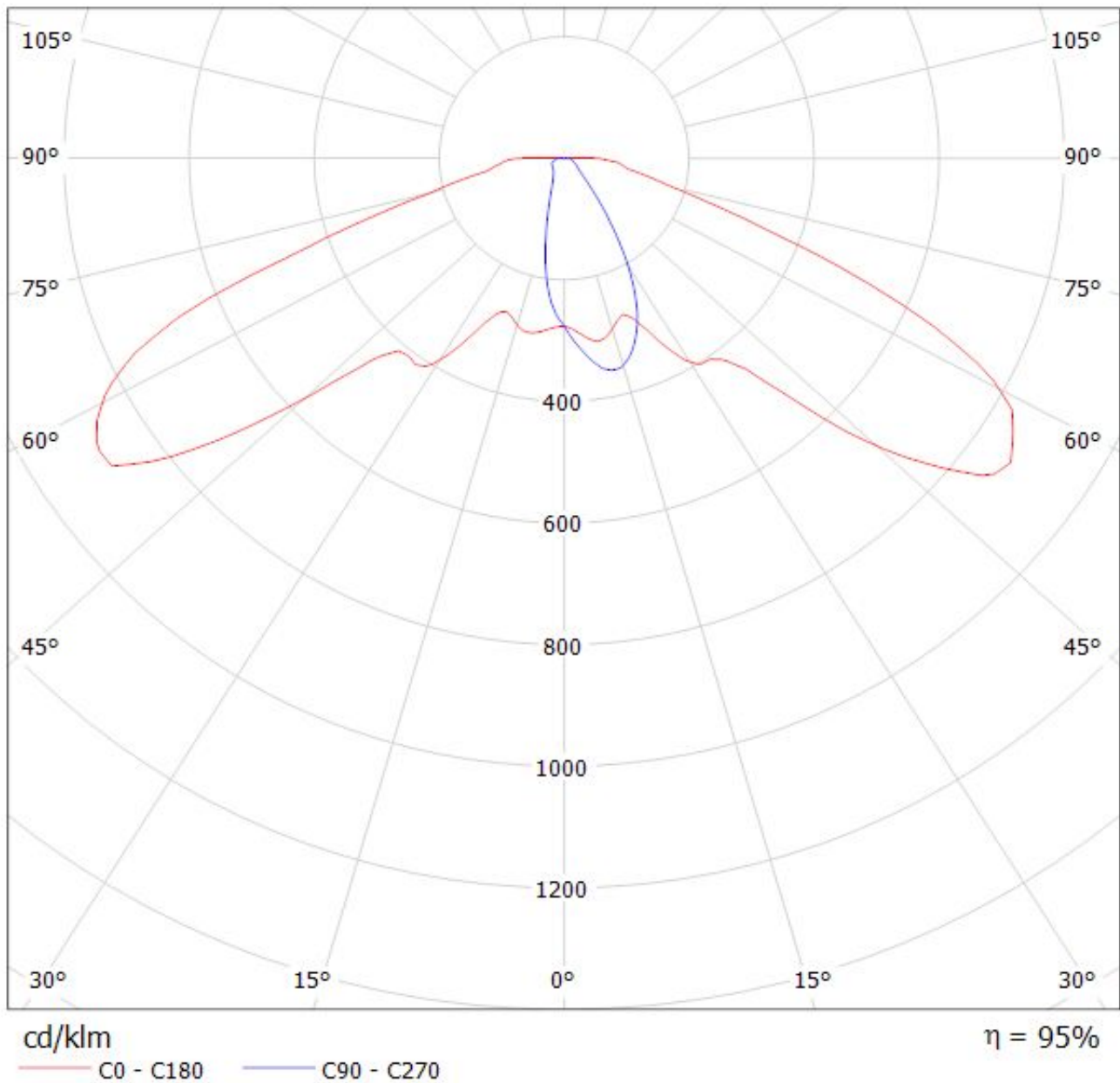
Luminaire: LEDiL Oy CA12787\_STRADA-K\_(Toshiba\_TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_(TL1L4-DW0)\_103.82lm@250mA\_P=0.776\_I=250mA



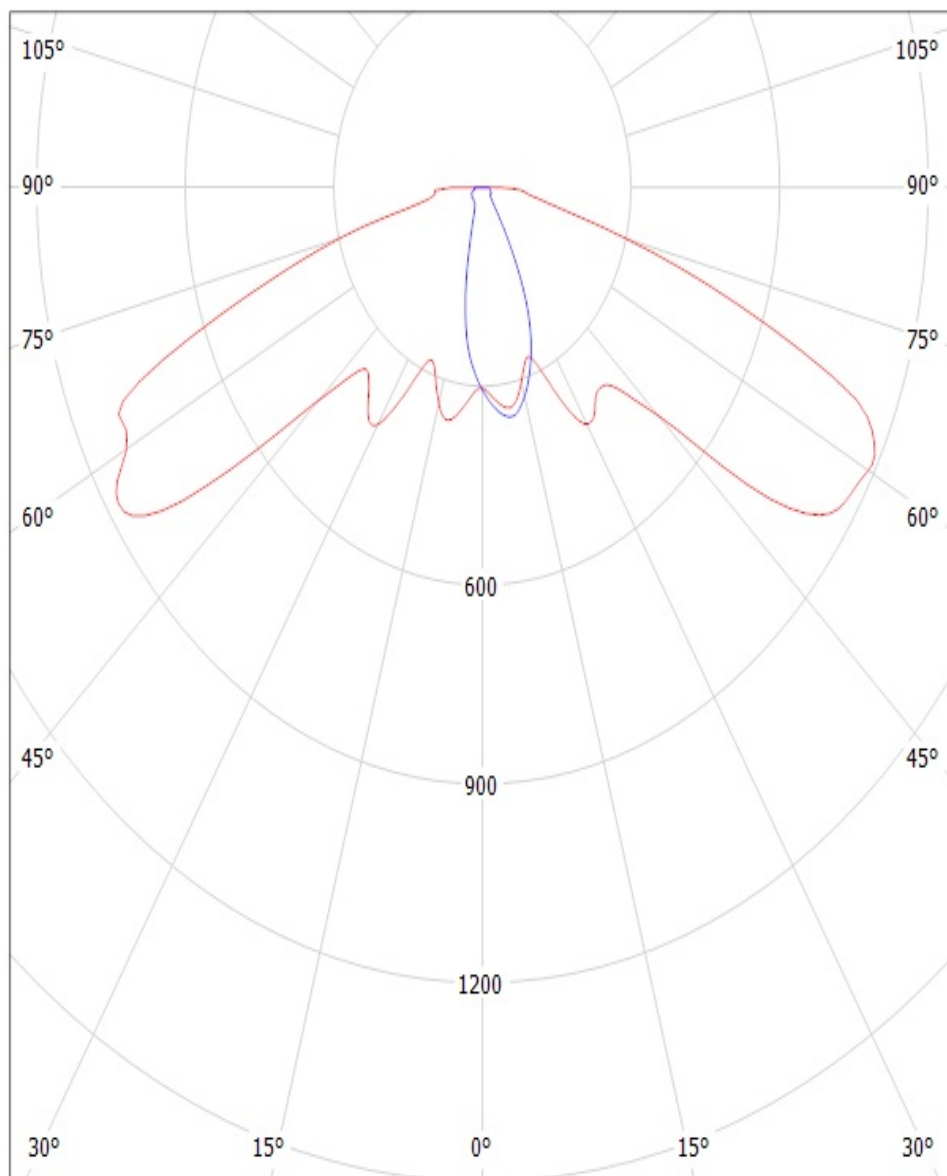
Luminaire: LEDIL OY CA12787\_&\_C12786\_STRADA-K\_(XP-G) Eff=95%

Lamps: 1 x Cree XP-G 86.6lm@ 250mA





Luminaire: LEDiL Oy CA12787\_STRADA-K\_(XT-E\_AWT) Eff. 96%  
Lamps: 1 x Cree XT-E AWT (99,67lm@250mA)

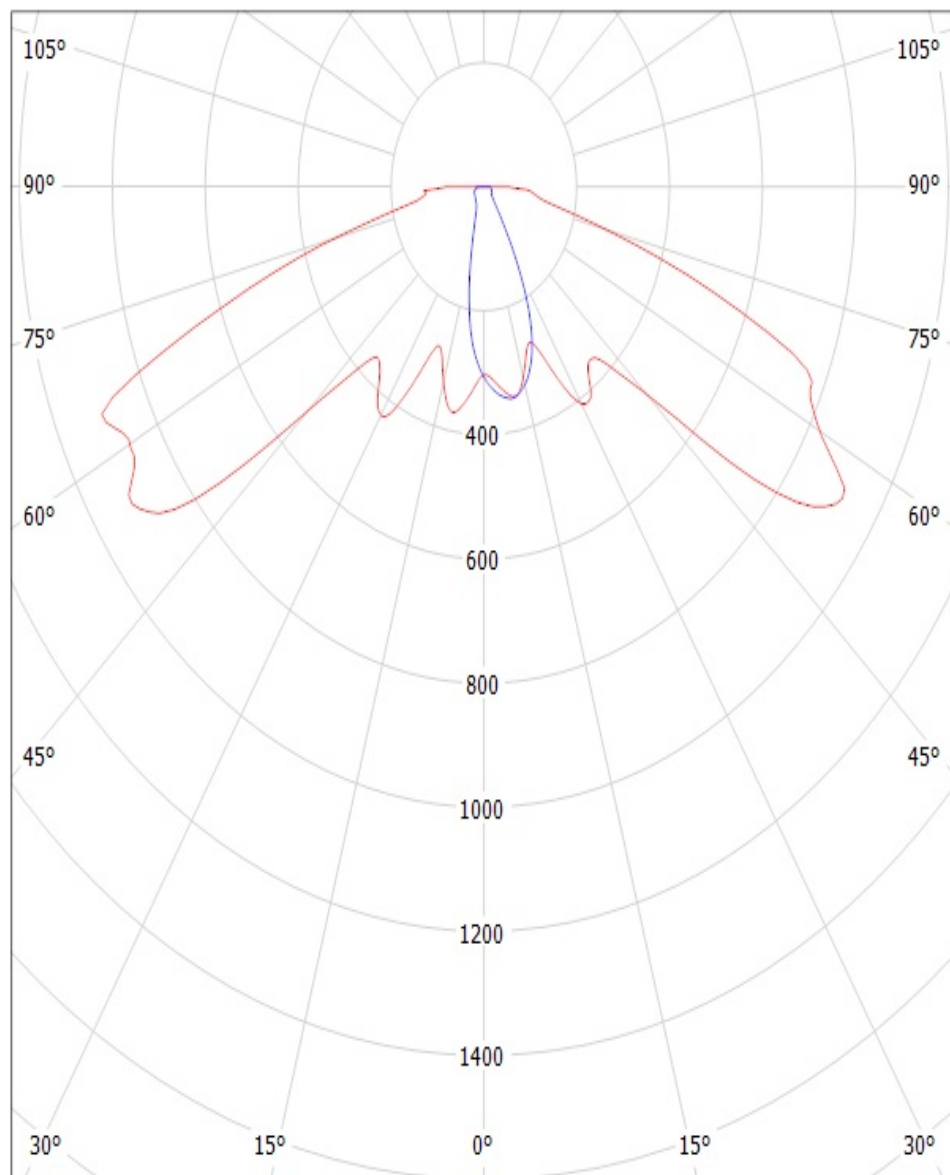


cd/klm

— C0 - C180 — C90 - C270



Luminaire: LEDiL Oy CA12787\_STRADA-K (Cree XB-D) Eff. 95%  
Lamps: 1 x Cree XB-D (92.6lm@250mA)

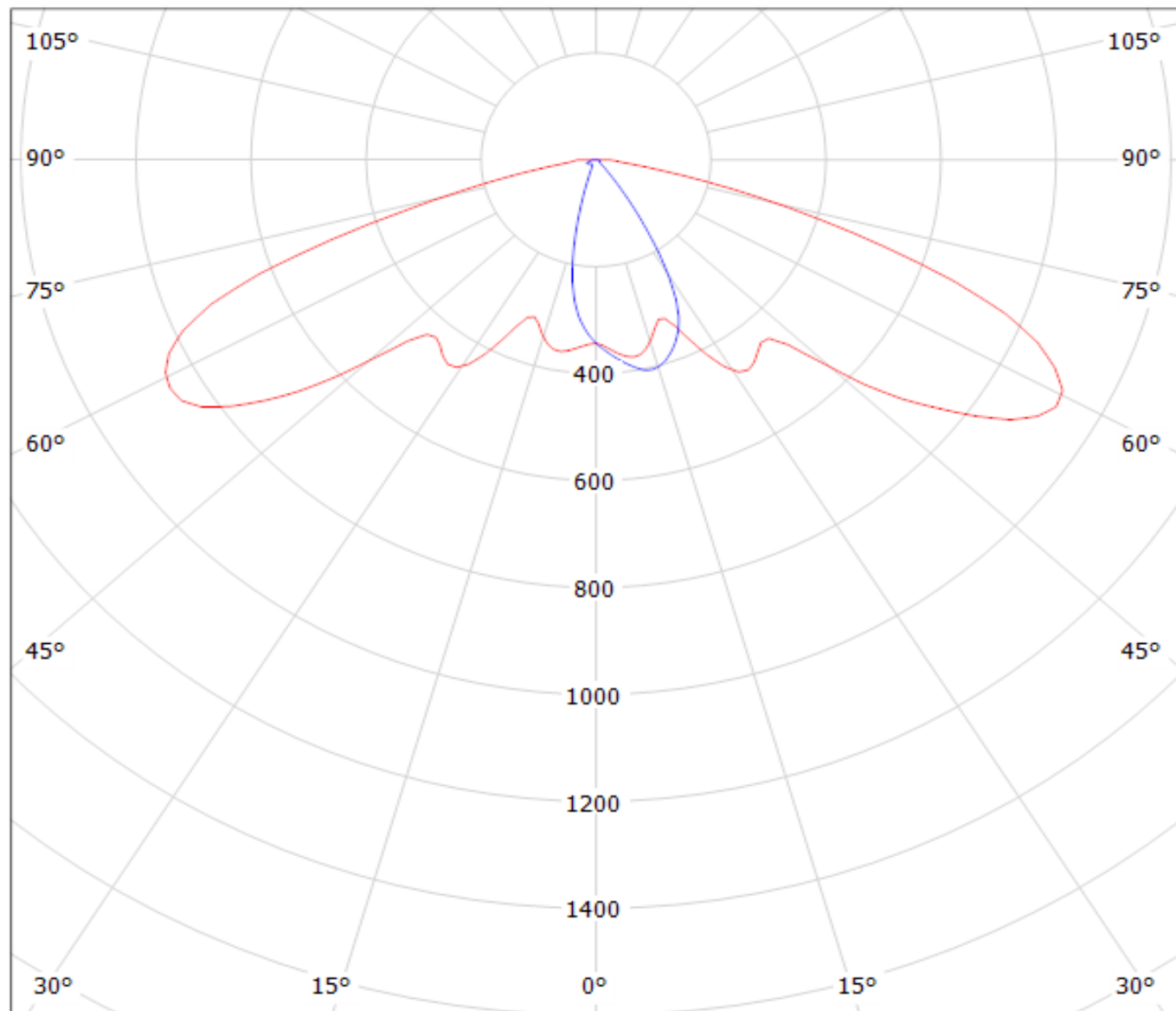


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA12787\_STRADA-K\_(XP-G2) Efficiency=94%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 101lm @ 250mA CCT=6600K P=0.7W I=250mA



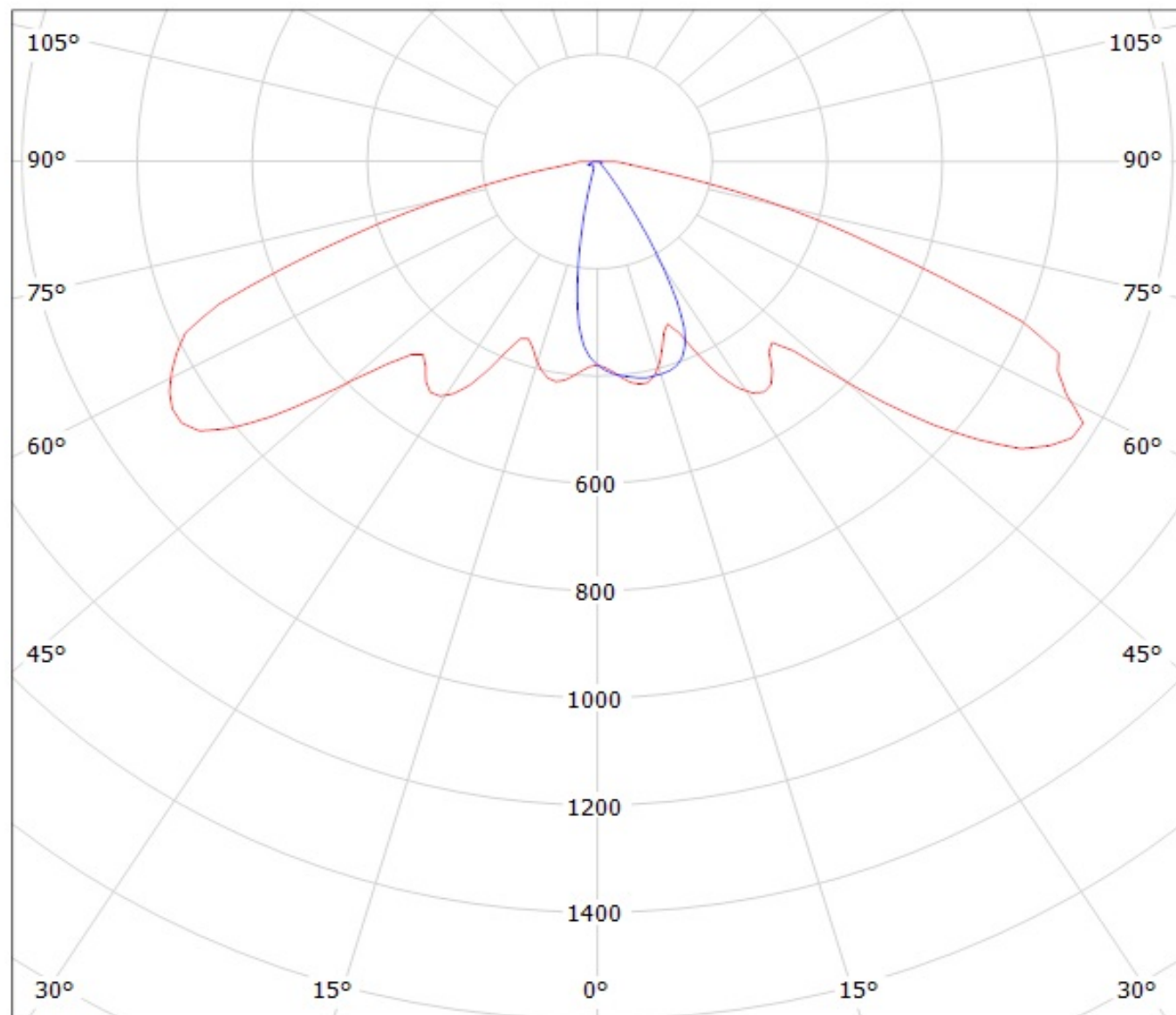
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA12787\_STRADA-K\_(XP-E2) Efficiency=94%

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 84.8lm @ 250mA CCT=3200K P=0.8W I=250mA

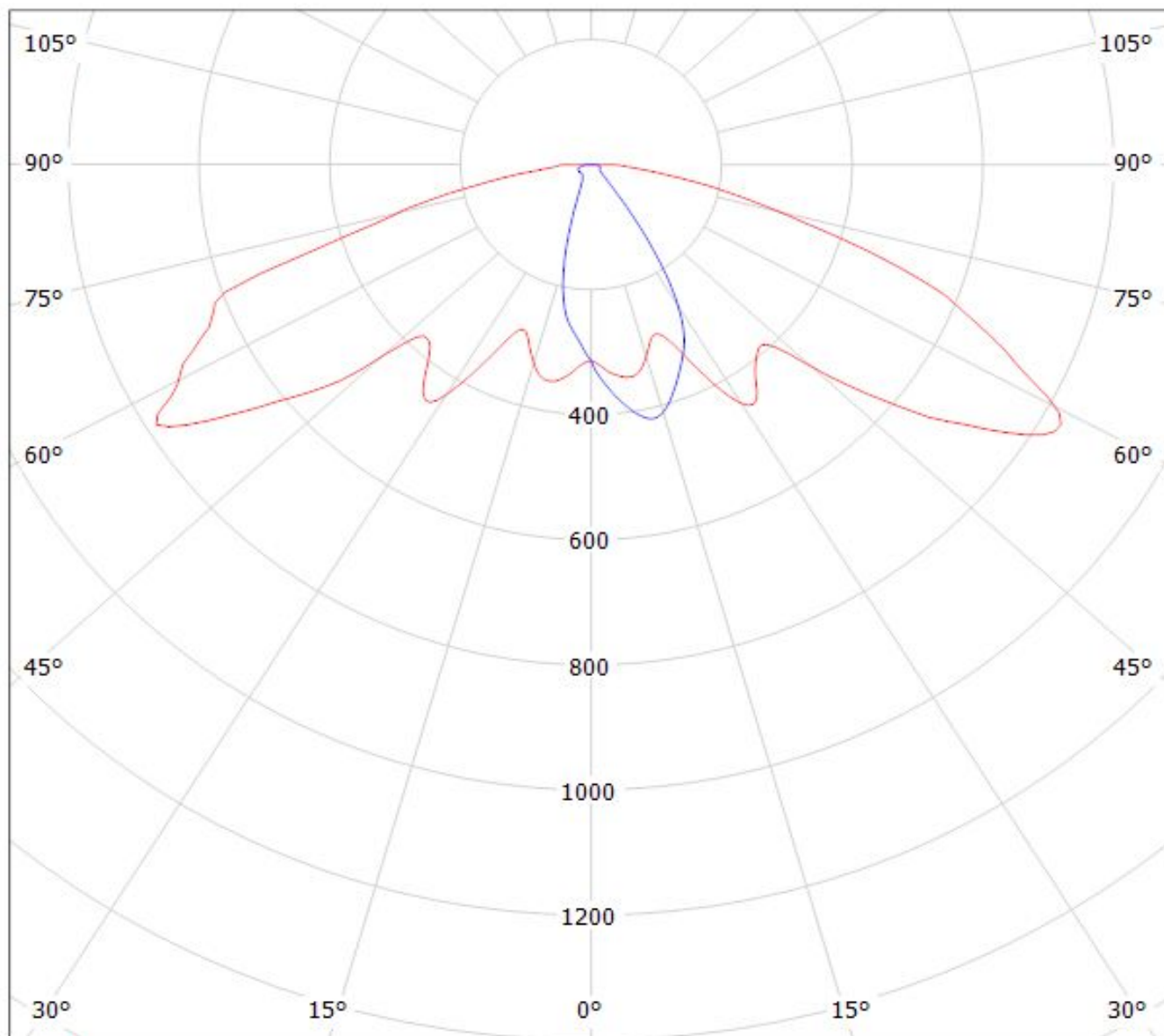


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LG3535) Eff. 96,1%  
Lamps: 1 x LG Ceramic 3535 PKG (95lm@250mA)



cd/klm

— C0 - C180

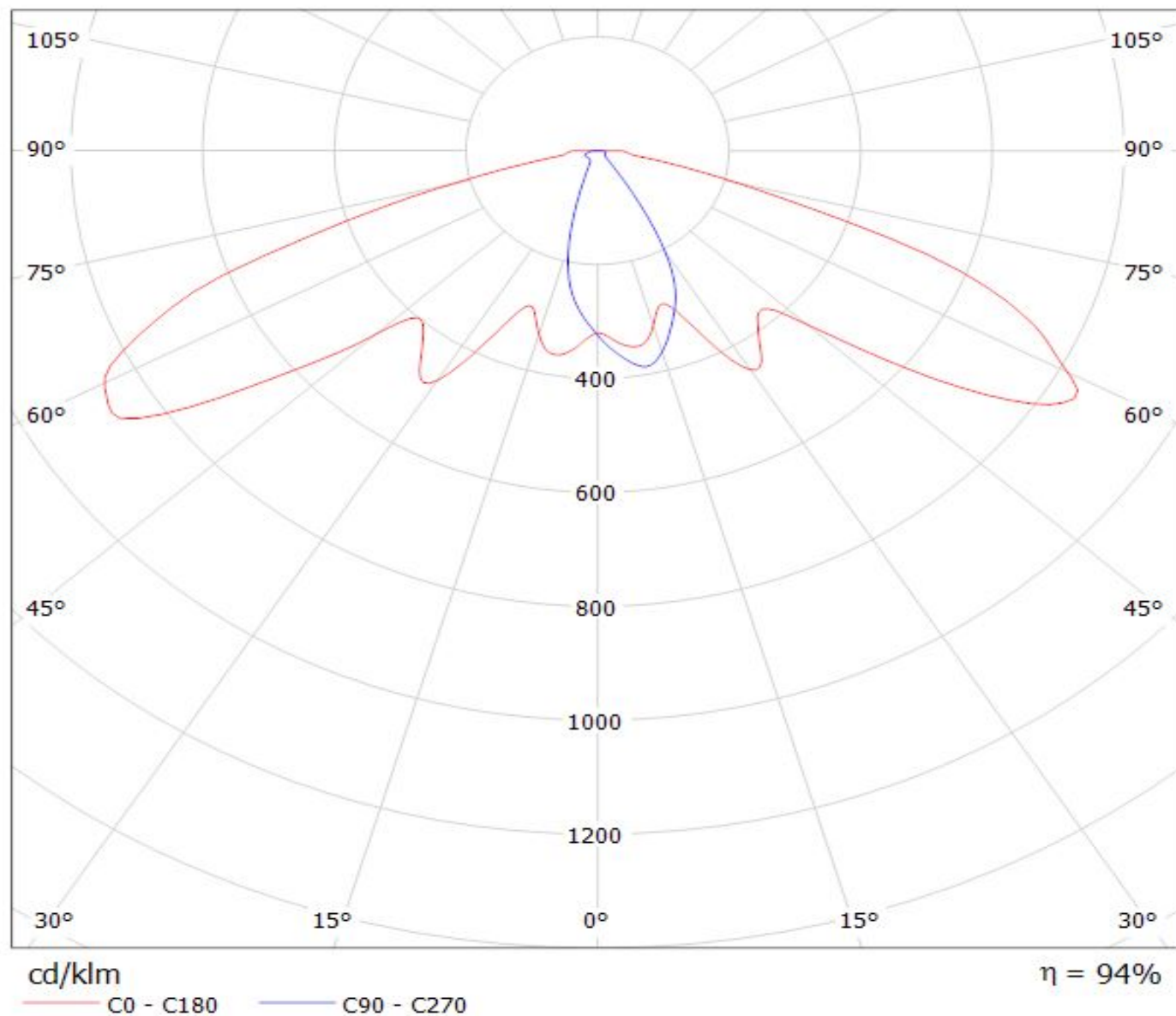
— C90 - C270

$\eta = 96\%$

# LEDiL Oy CA12787\_STRADA-K\_(LUXEON\_T) Eff.94.0% / LDC (Polar)

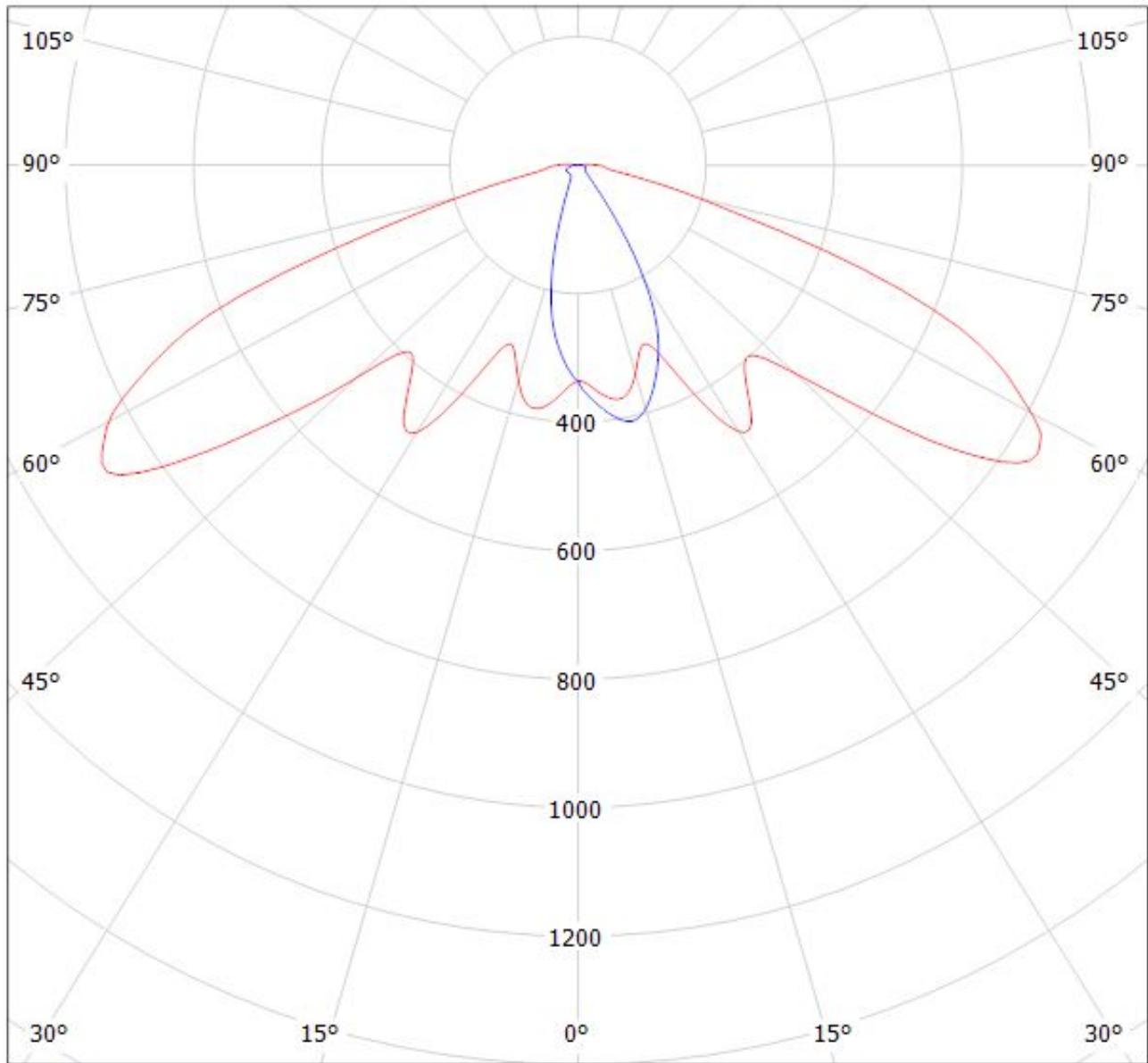
Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LUXEON\_T) Eff.94.0%

Lamps: 1 x LUXEON\_T\_(LXH8-FW30-3)\_74.11lm@250mA\_CCT=3158K\_P=0.730833W\_I=249.9mA



Luminaire: LEDiL Oy CA12787\_STRADA-K\_(Luxeon\_TX)

Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.1801lm@250mA\_CCT=3500K\_P=0.730583W\_I=249.9mA



cd/klm

— C0 - C180

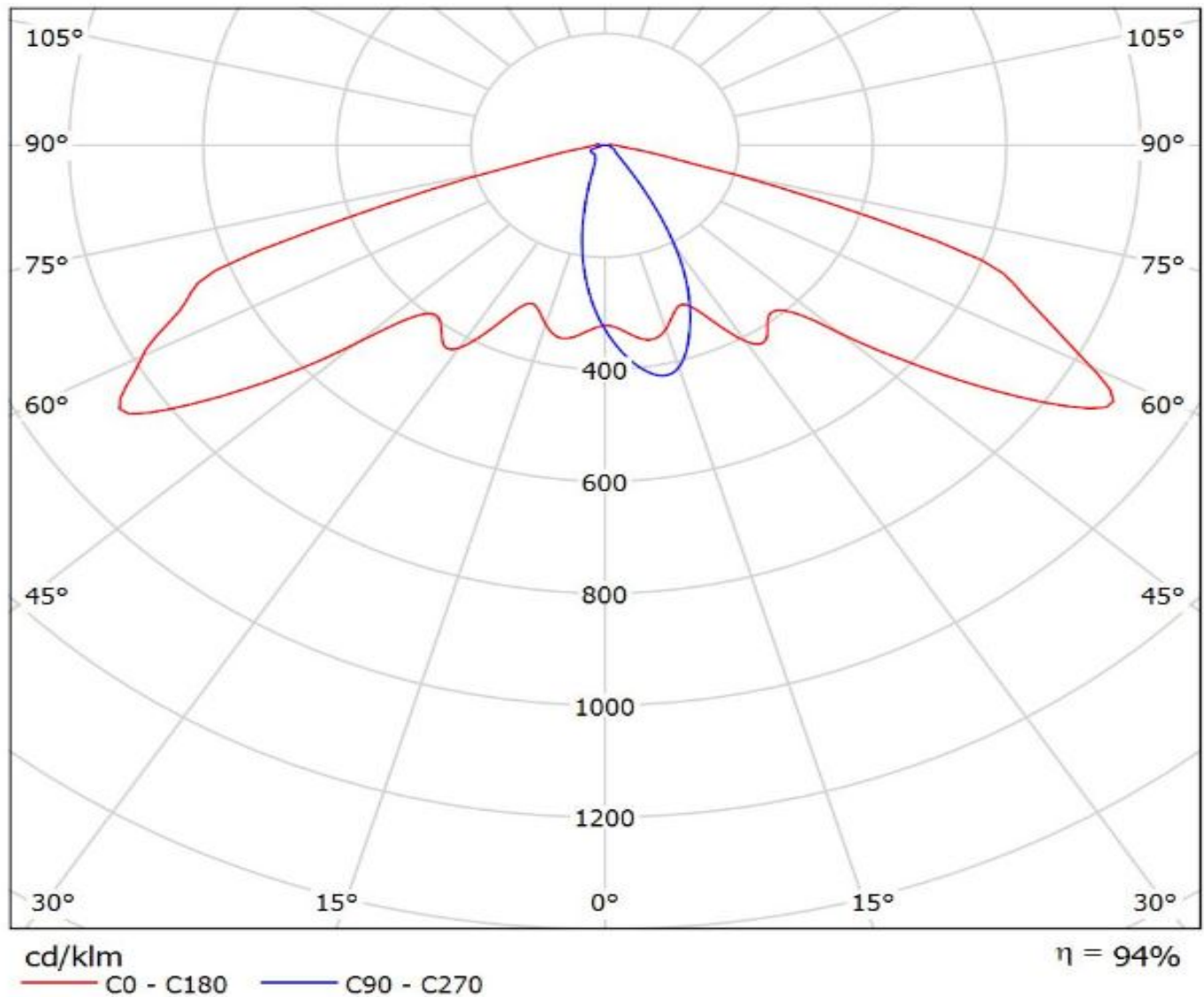
— C90 - C270

$\eta = 94\%$



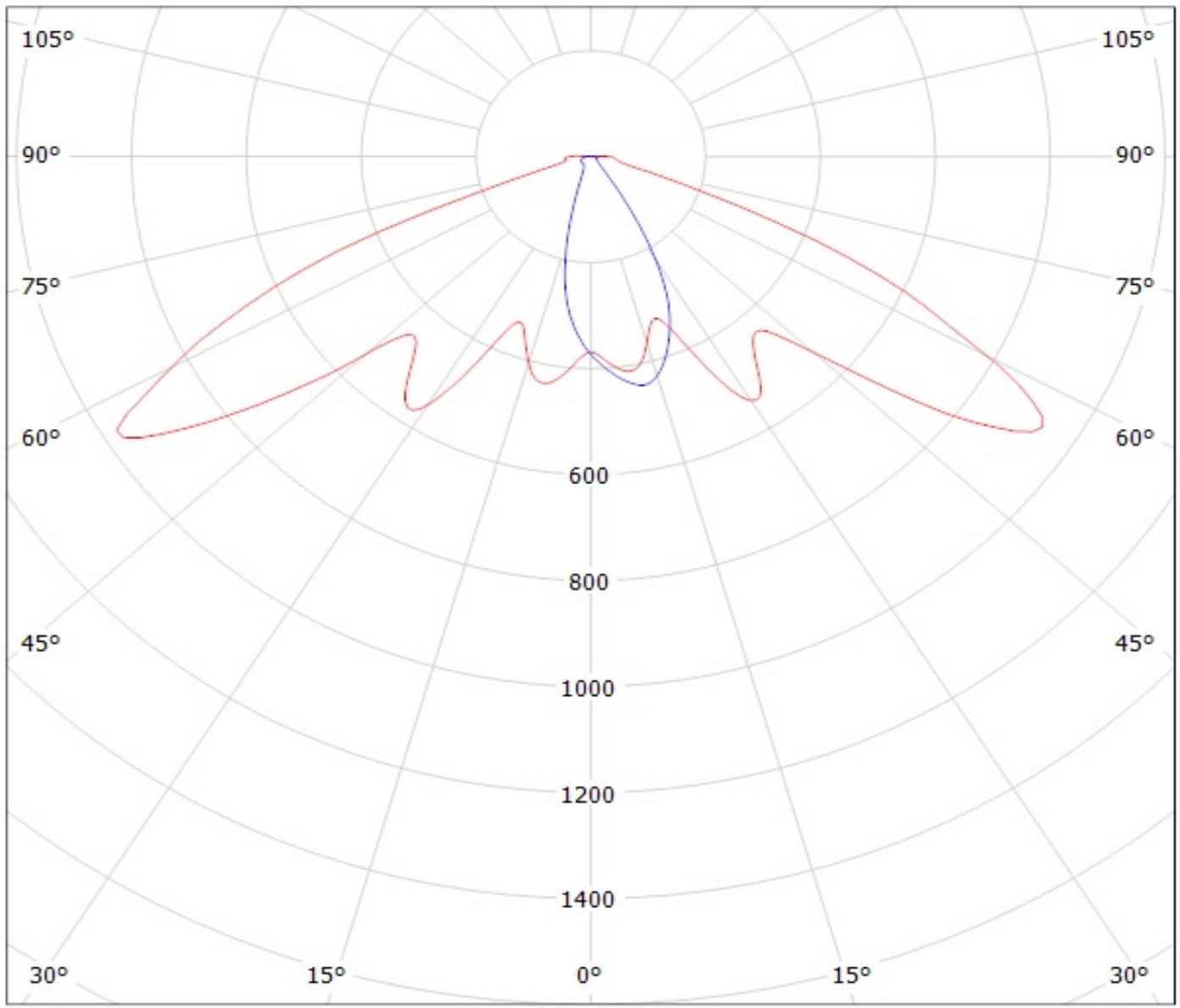
# Ledil CA12787\_STRADA-K\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) / LDC (Polar)

Luminaire: Ledil CA12787\_STRADA-K\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3)  
Lamps: 1 x Philips\_Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3\_(XP-G2)  
\_3428.78lm@500mA\_P=23.7W\_I=0.5A



Luminaire: LEDiL Oy CA12787\_STRADA-K\_(LH351Z)

Lamps: 1 x SAMSUNG\_LH351Z\_92.91lm@250mA\_P=0.747026W\_I=249.9mA



cd/klm

— C0 - C180

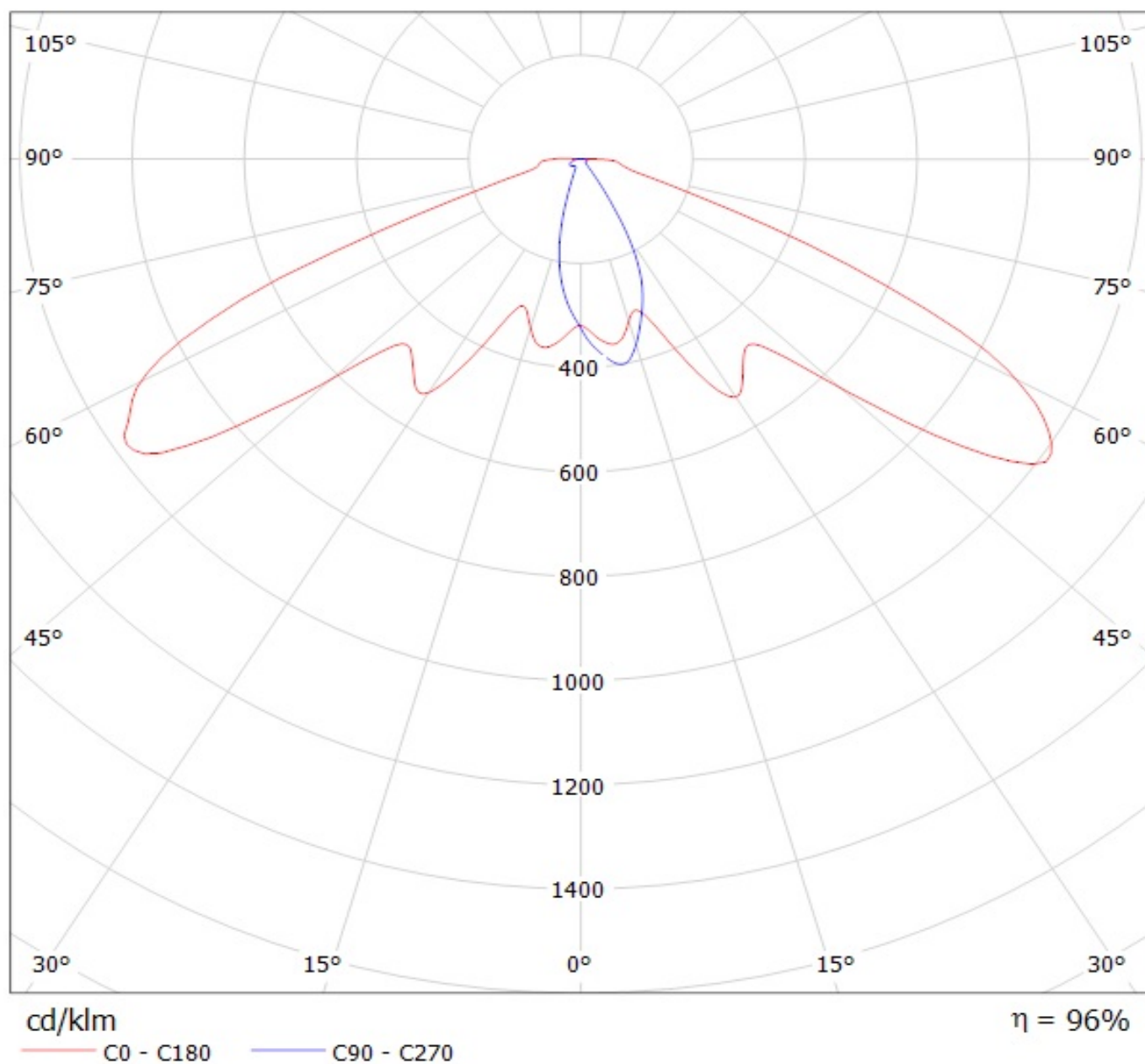
— C90 - C270

$\eta = 94\%$



Luminaire: LEDiL Oy CA12787\_STRADA-K\_(Toshiba\_TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_(TL1L4-DW0)\_103.82lm@250mA\_P=0.776\_I=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.**