

## DETAILS

<b>Product Number</b>	CA13177_RITA-WAS
<b>Family</b>	Rita
<b>Type</b>	RefAssy
<b>Color</b>	white
<b>Diameter</b>	31,9 + 28,4 mm
<b>Height</b>	17,3 mm
<b>Style</b>	rectang
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	pin, tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	5/11/2014



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G	Asymmetric deg	Asymmetric	85 %	0.630	-
XM-L	Asymmetric deg	Asymmetric	84 %	0.611	-
XT-E	Asymmetric deg	Asymmetric	84 %	0.640	-
XP-G2	Asymmetric deg	Asymmetric	85 %	0.657	-
XP-E	Asymmetric deg	Asymmetric	83 %	0.630	-
MK-R	Asymmetric deg	Asymmetric	85 %	0.600	-
XB-D	Asymmetric deg	Asymmetric	82 %	0.600	-
XM-L2	asymmetric deg	Asymmetric	83 %	0.600	-
XP-L	Asymmetric deg	Asymmetric	86 %	0.610	-
LUXEON A	Asymmetric deg	Asymmetric	86 %	0.680	-
LUXEON M/MX	Asymmetric deg	Asymmetric	85 %	0.638	-
LUXEON T	Asymmetric deg	Asymmetric	84 %	0.600	-
LUXEON H50-2	sim: Asymmetric	Asymmetric	-	-	-
LUXEON MZ	asymmetric deg	Asymmetric	84 %	0.600	-
LUXEON TX	Asymmetric deg	Asymmetric	83 %	0.620	-
NVSxx19B/NVSxx19C	Asymmetric deg	Asymmetric	82 %	0.610	-
NS9x383	Asymmetric deg	Asymmetric	85 %	0.630	-
Oslon Square EC	Asymmetric deg	Asymmetric	84 %	0.654	-

D

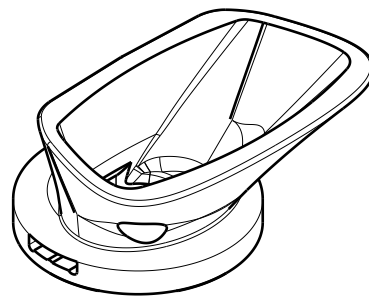
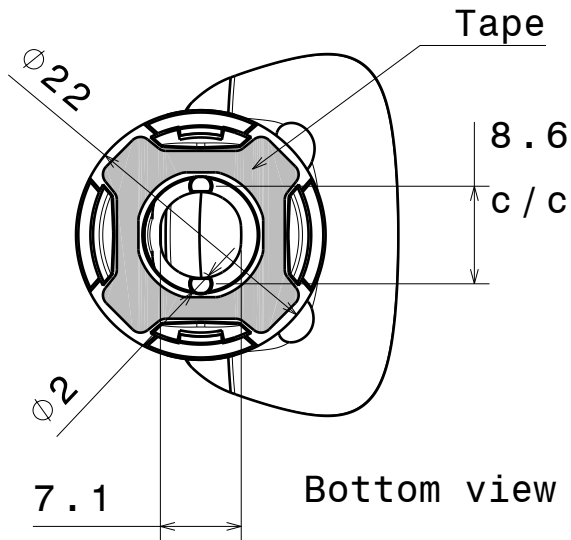
C

B

A

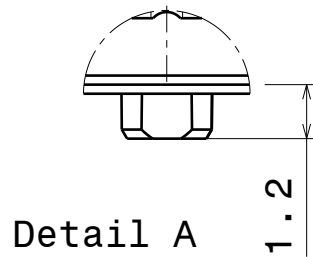
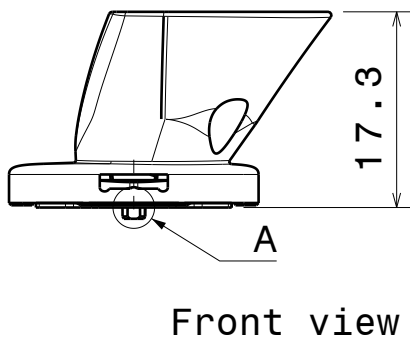
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4



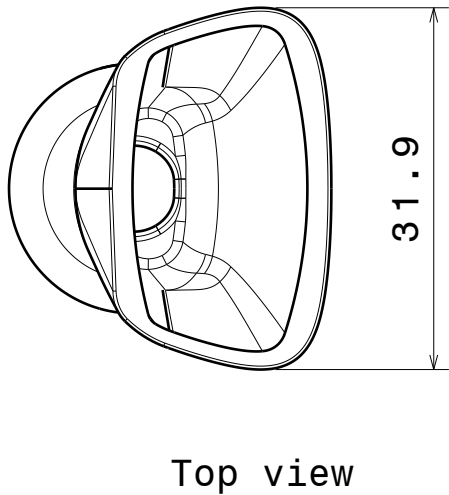
3

3



2

2



Materials

Reflector: PC  
Tape: PU Foam

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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

DRAWING TITLE Mechanical drawing  
RITA-WAS

DRAWN BY  
as

DATE  
27.9.2012

CHECKED BY  
sn

DATE  
-

SIZE  
A4

PART NUMBER

REV  
001

DESIGNED BY  
-

DATE  
-

SCALE

3:2

WEIGHT

- g

SHEET

1/1

D

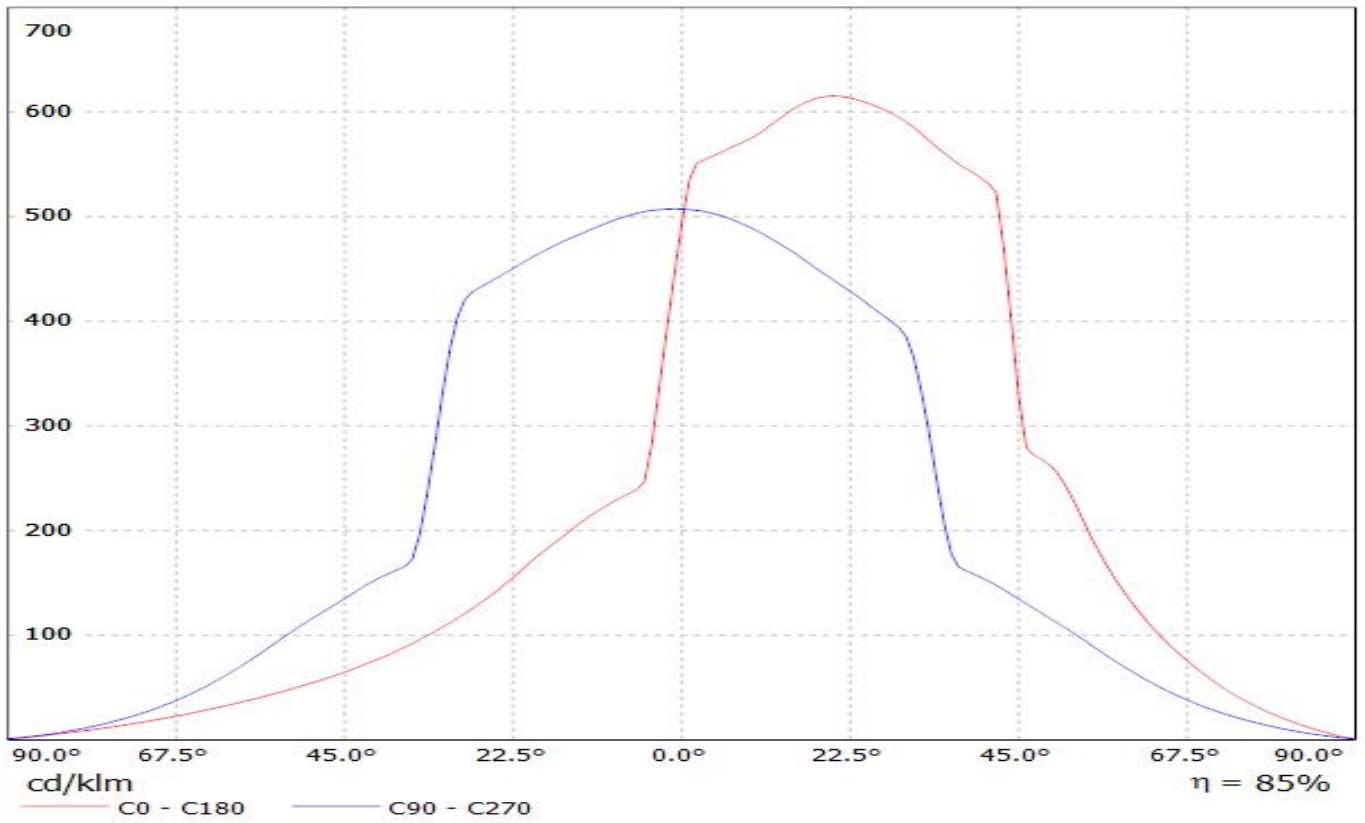
A

1

1

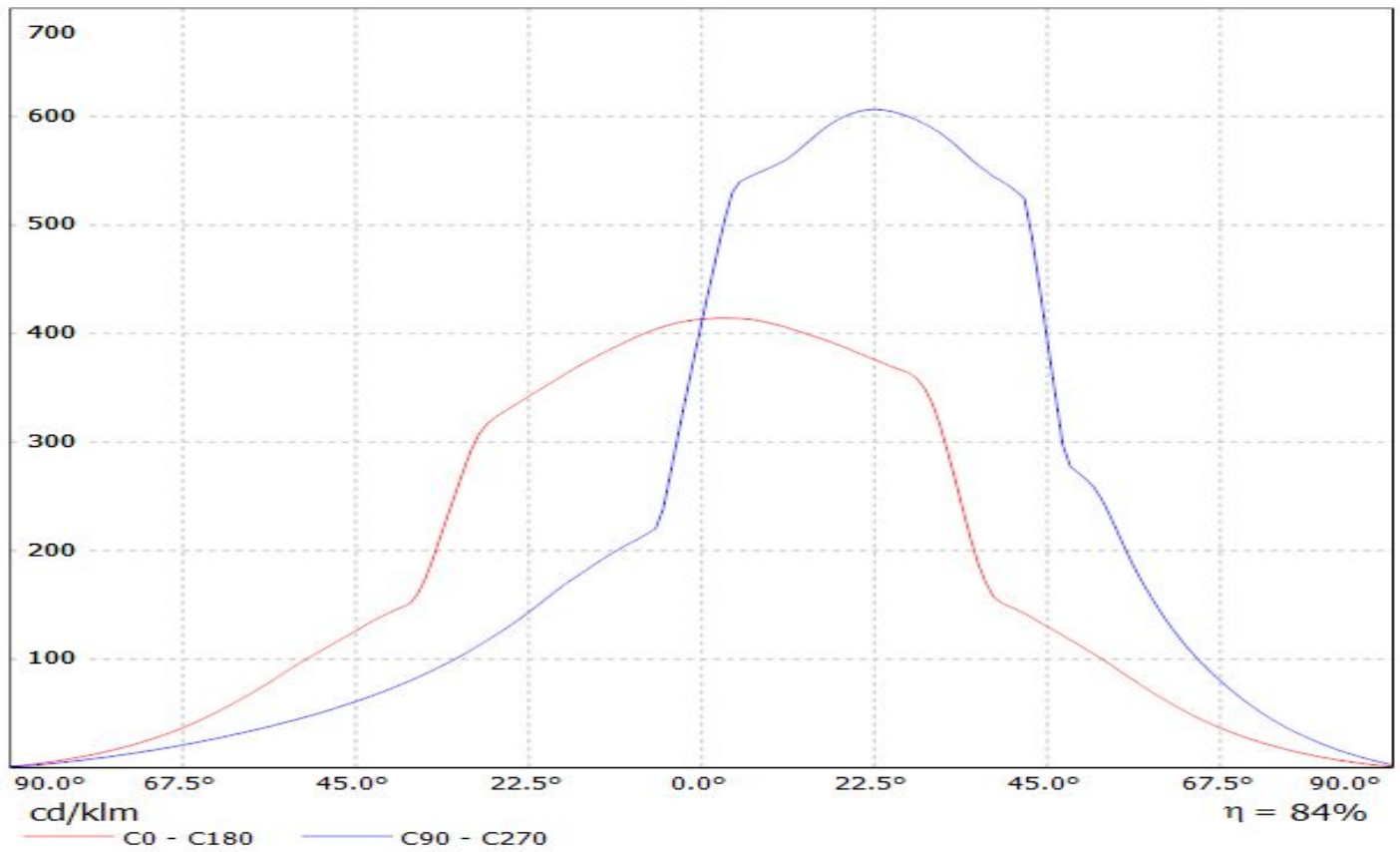
**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5% / LDC (Linear)**

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5%  
Lamps: 1 x XP-G (70.0094lm@250mA)

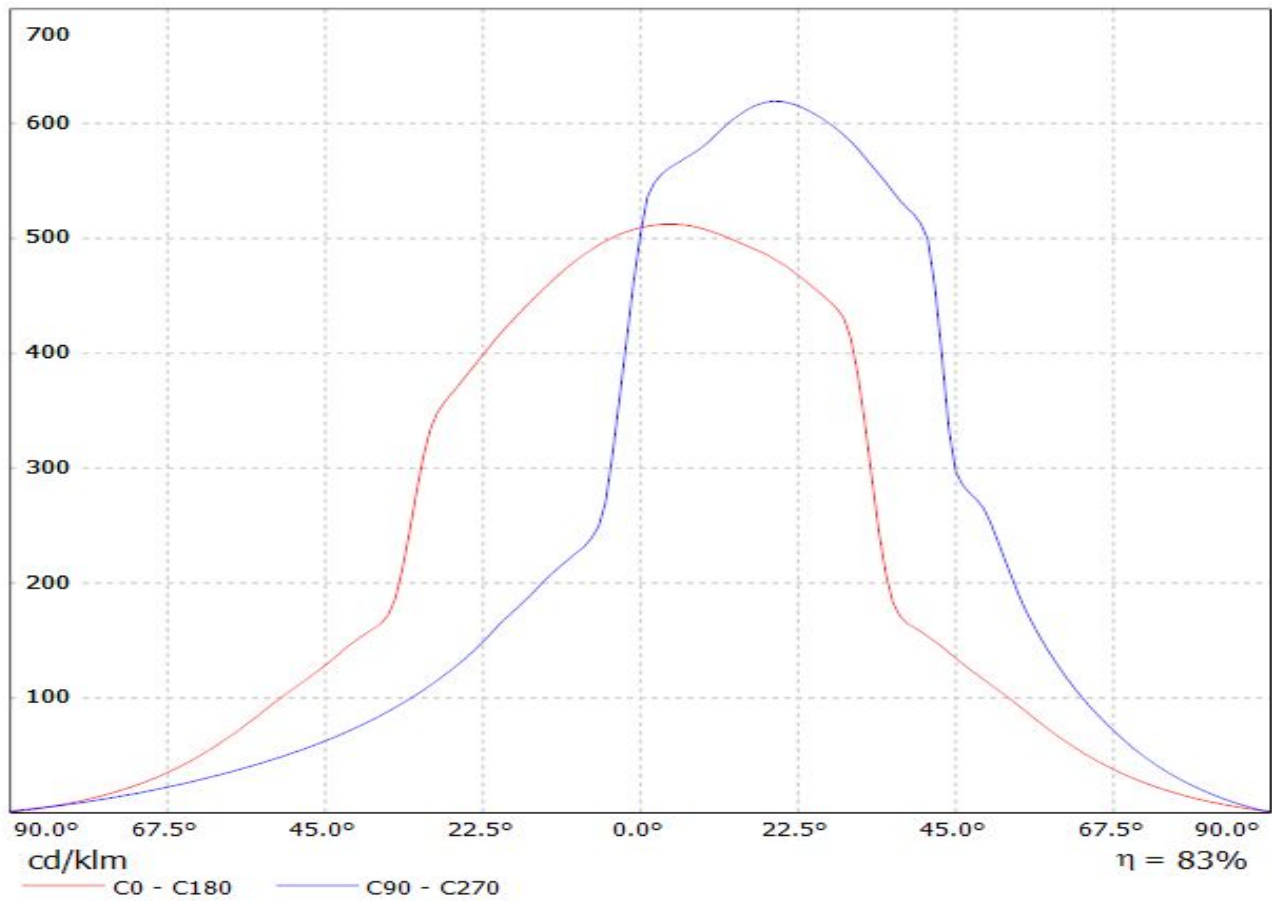


# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XM-L) Eff.83.7% / LDC (Linear)

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XM-L) Eff.83.7%  
Lamps: 1 x XM-L (93.1234lm@250mA)

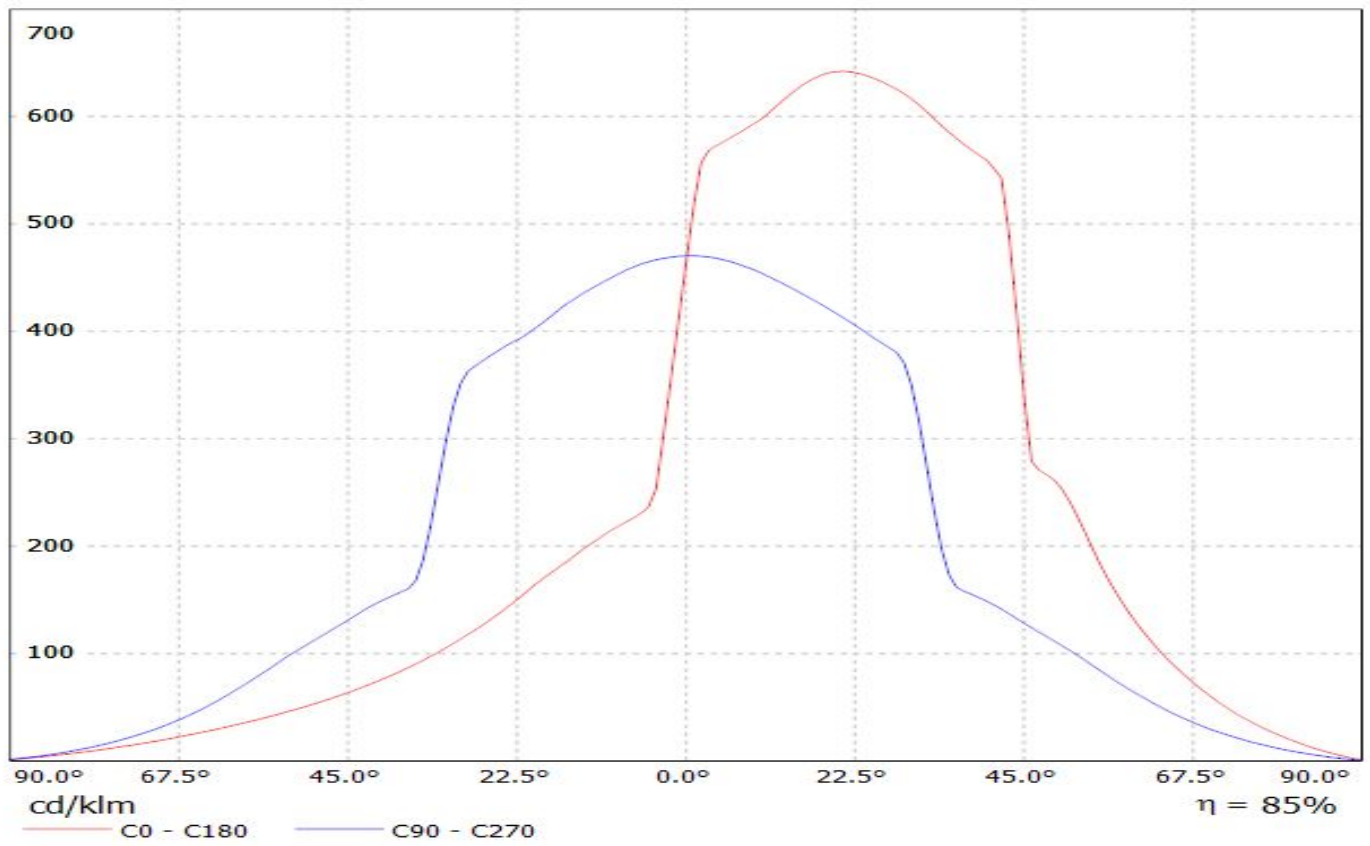


Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(XT-E) Eff.83.4%  
Lamps: 1 x XT-E (99.7728lm@250mA)



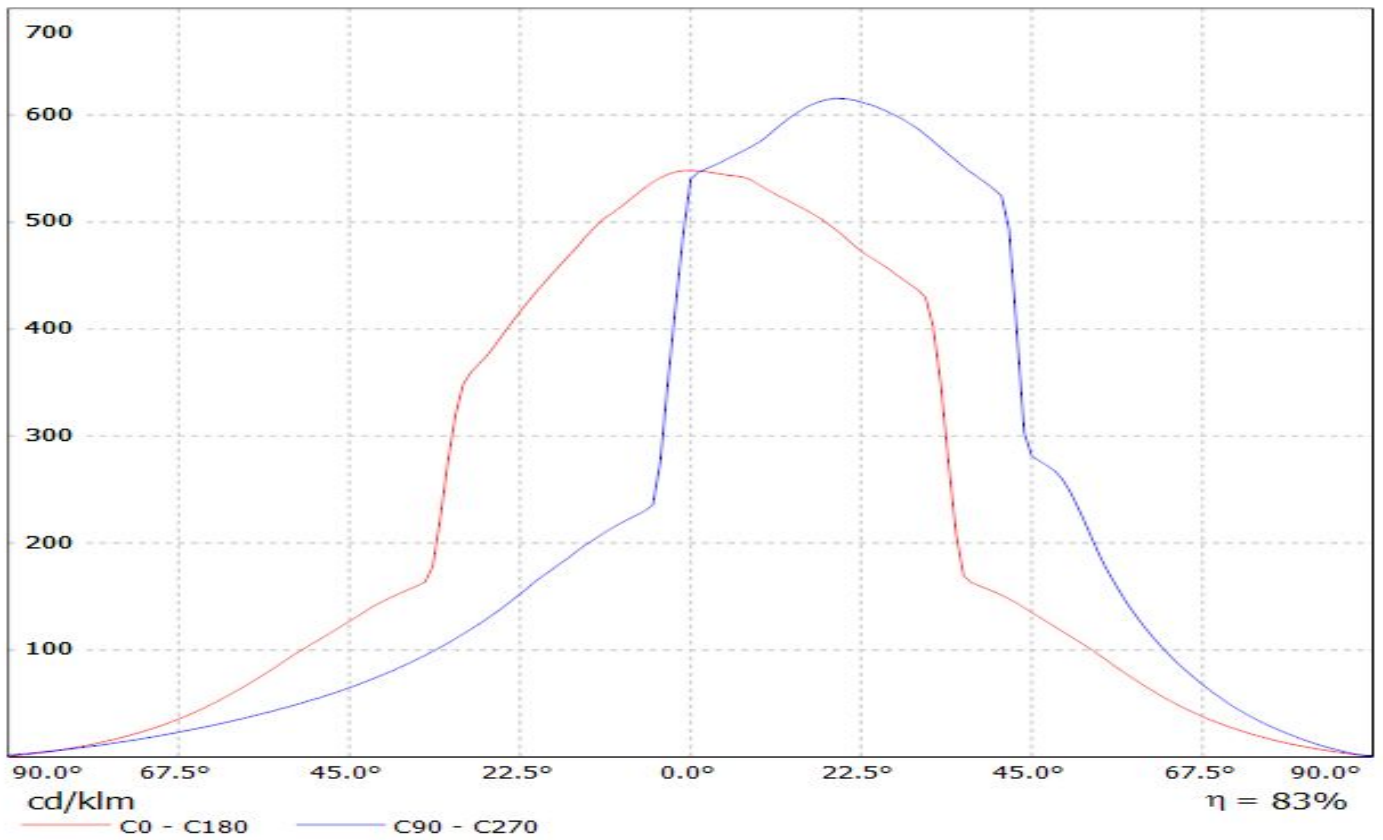
**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25% / LDC (Linear)**

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25%  
Lamps: 1 x XP-G2 (106.037lm@250mA)



**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-E) Eff.83.5% / LDC (Linear)**

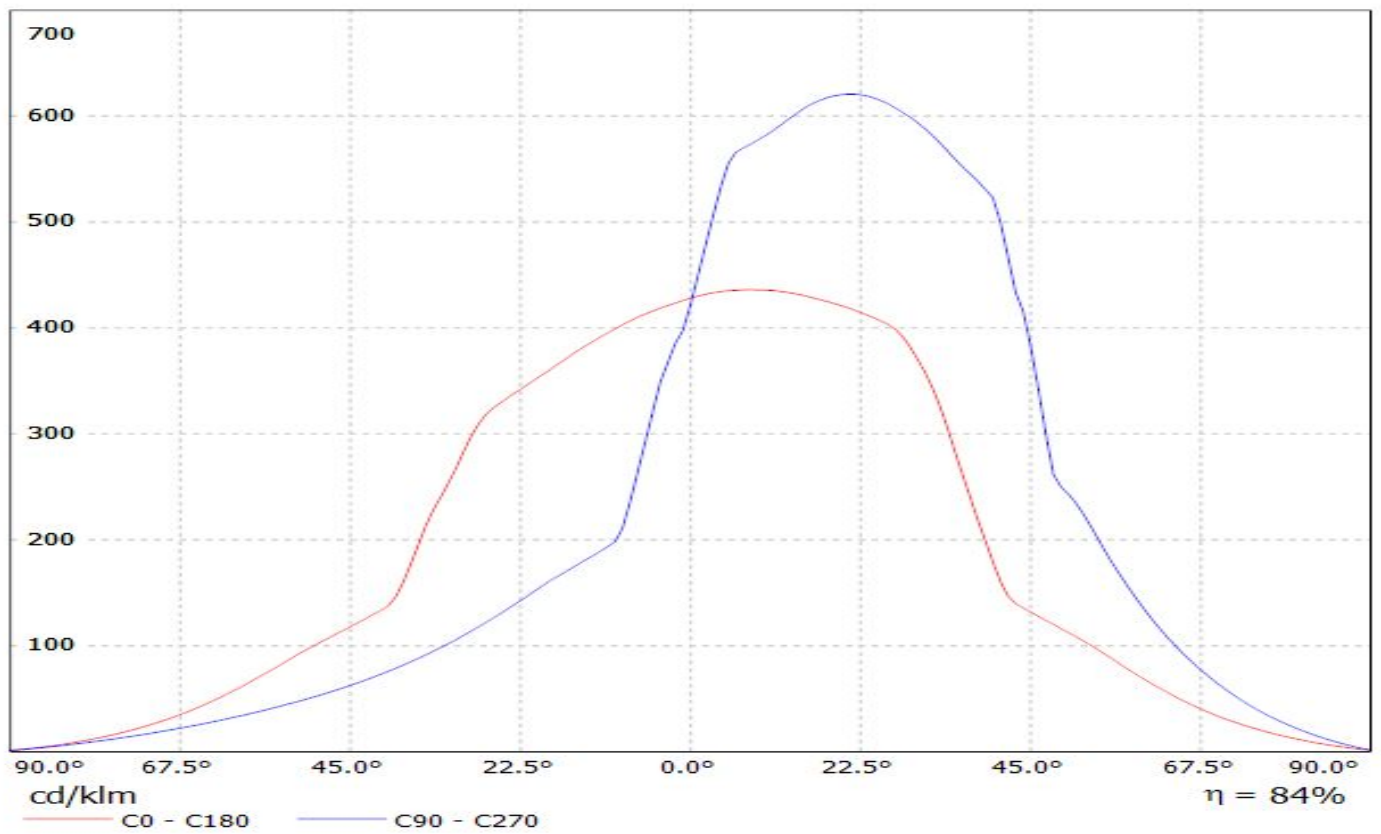
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-E) Eff.83.5%  
Lamps: 1 x XP-E (68.9692lm@250mA)



# LEDiL Oy CA13177\_RITA-WAS\_(CREE\_MKR) Eff.84.5% / LDC (Linear)

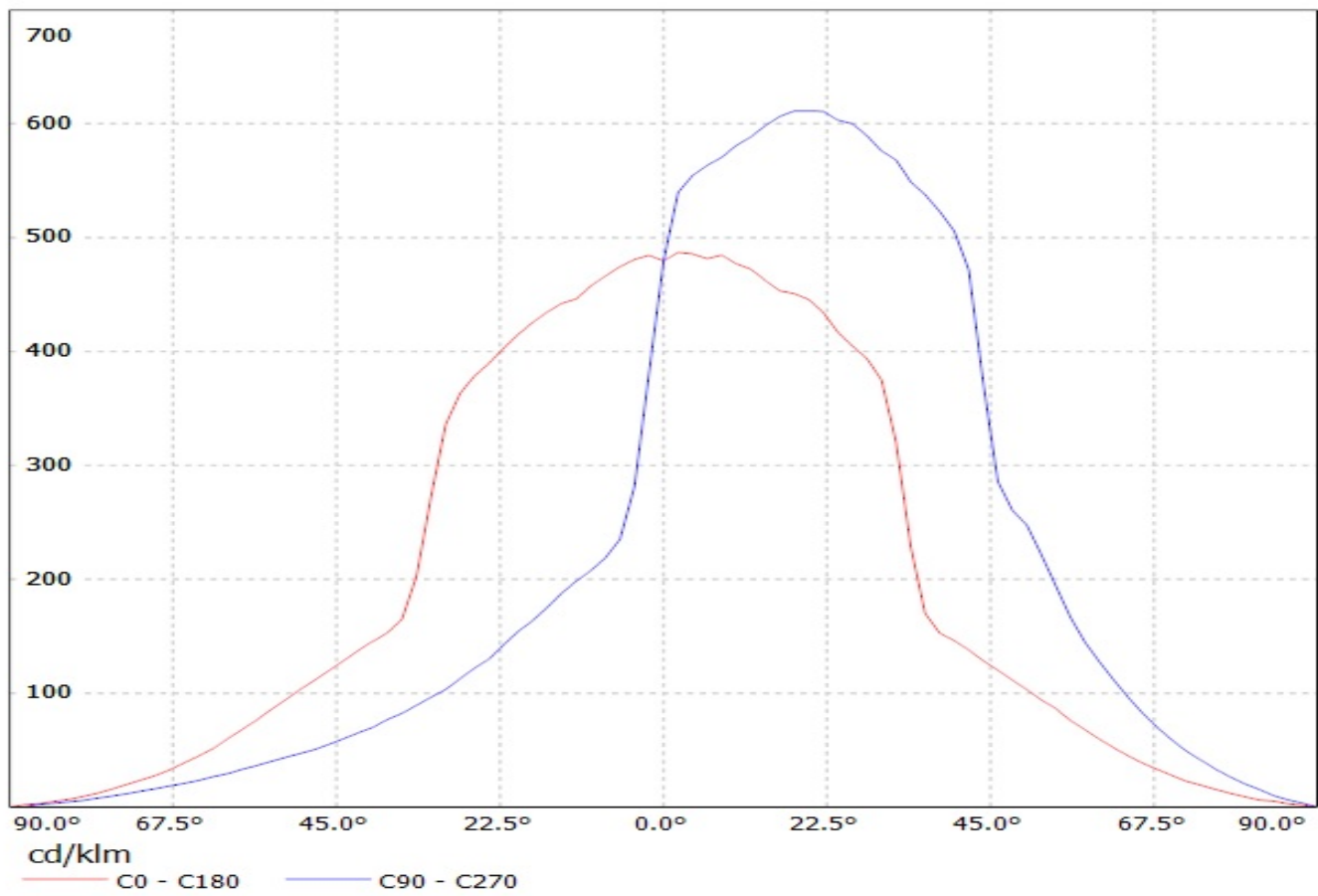
Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(CREE\_MKR) Eff.84.5%

Lamps: 1 x MK-R (368.505lm@250mA)

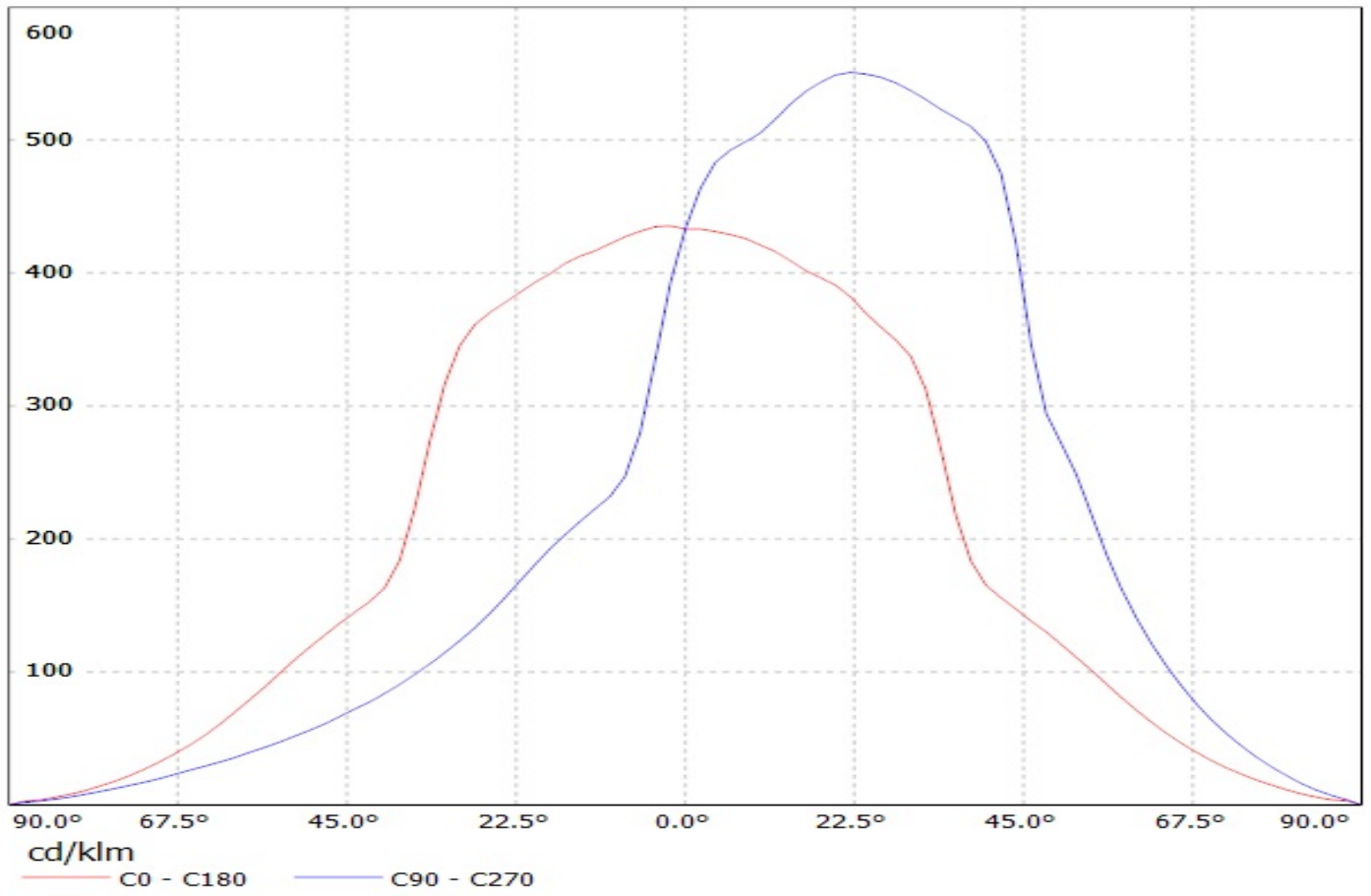




Luminaire: Ledil Oy CA13177\_RITA-WAS (Cree XB-D 94lm @ 250mA) Efficiency=82%  
Lamps: 1 x Cree XB-D 94lm @ 250mA

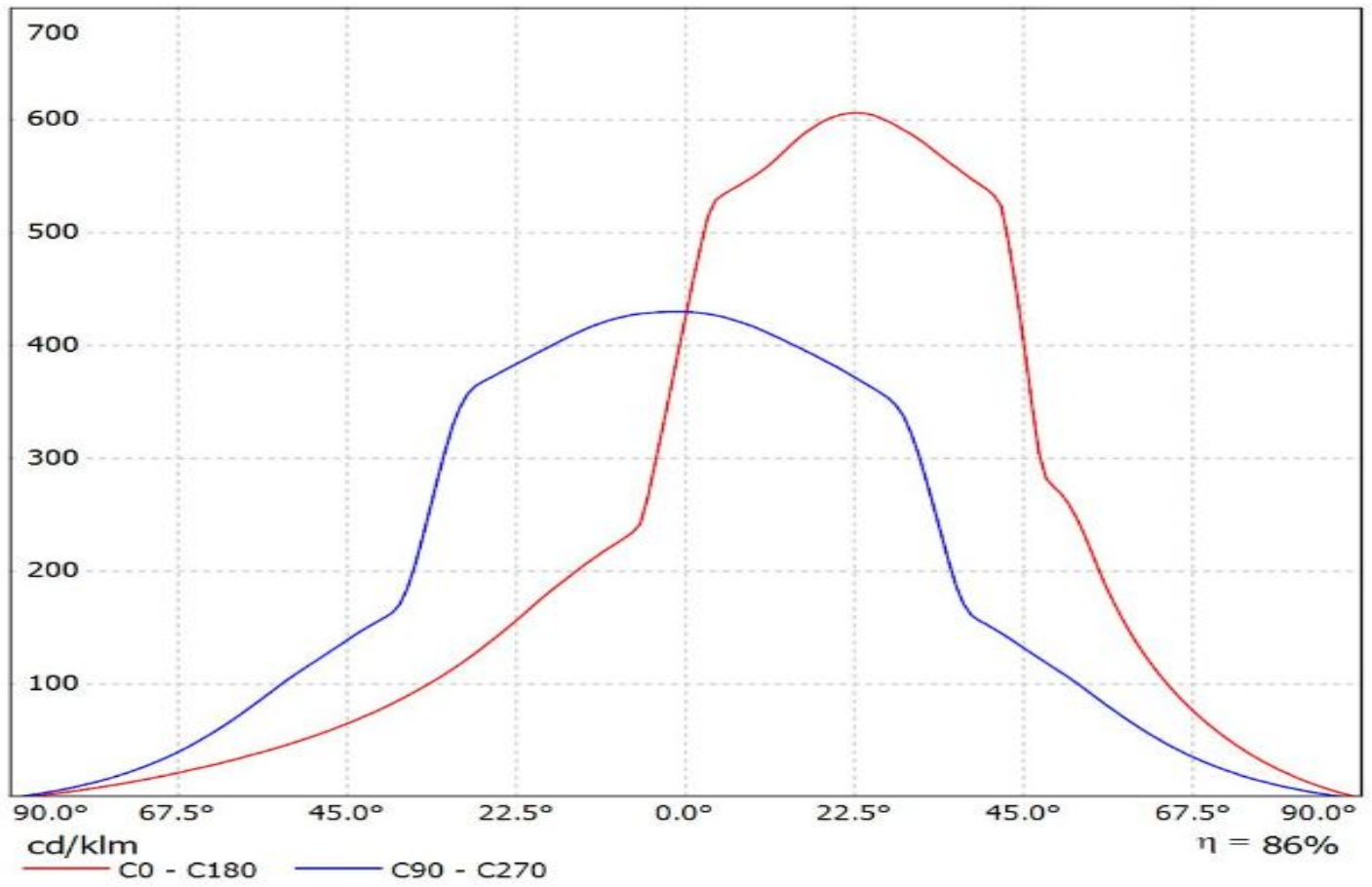


Luminaire: LEDil Oy CA13177\_RITA-WAS\_(XM-L2) Efficiency=83%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA

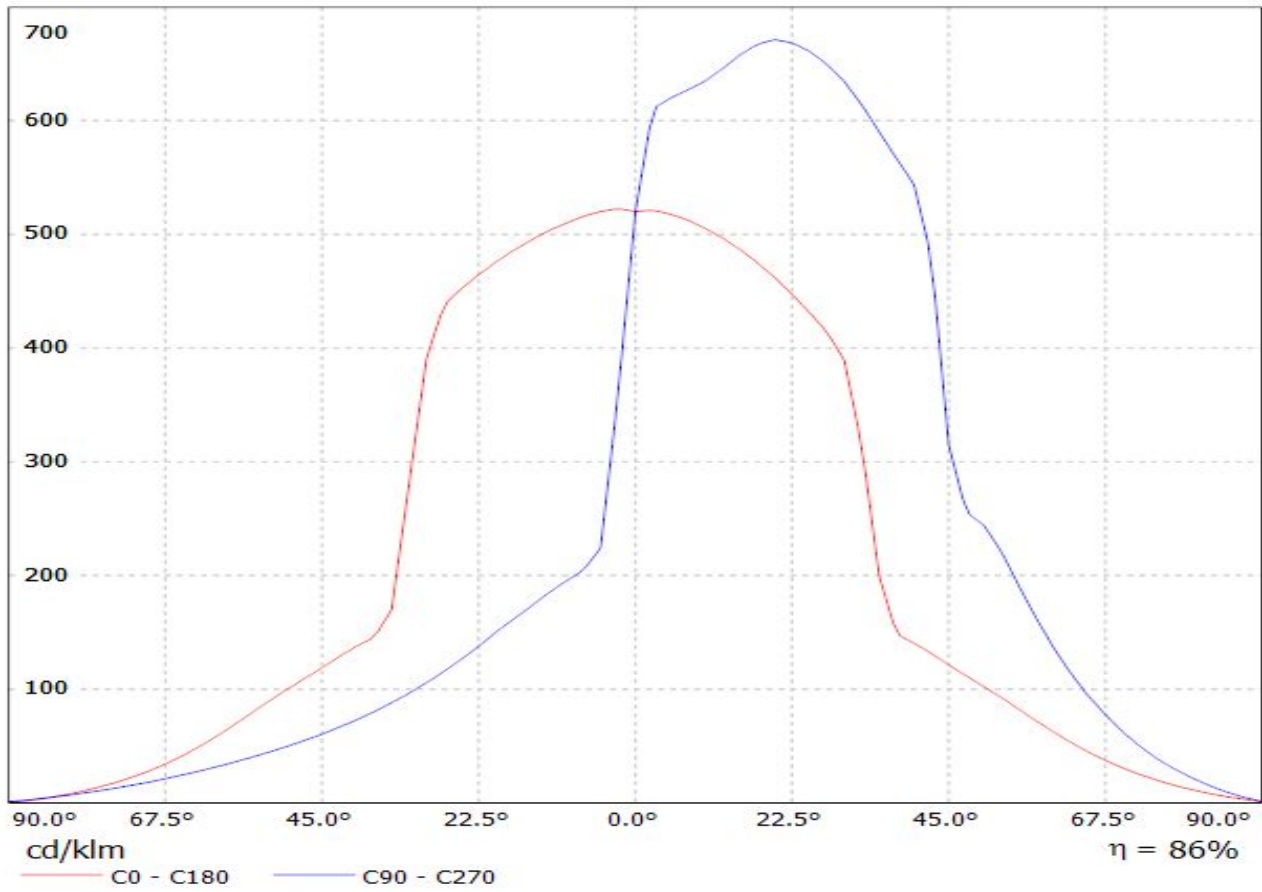


Luminaire: Ledil CA13177\_RITA-WAS\_(XP-L)

Lamps: 1 x Cree\_XP-L\_126.98lm@250mA\_P=0.73755W\_I=0.25A

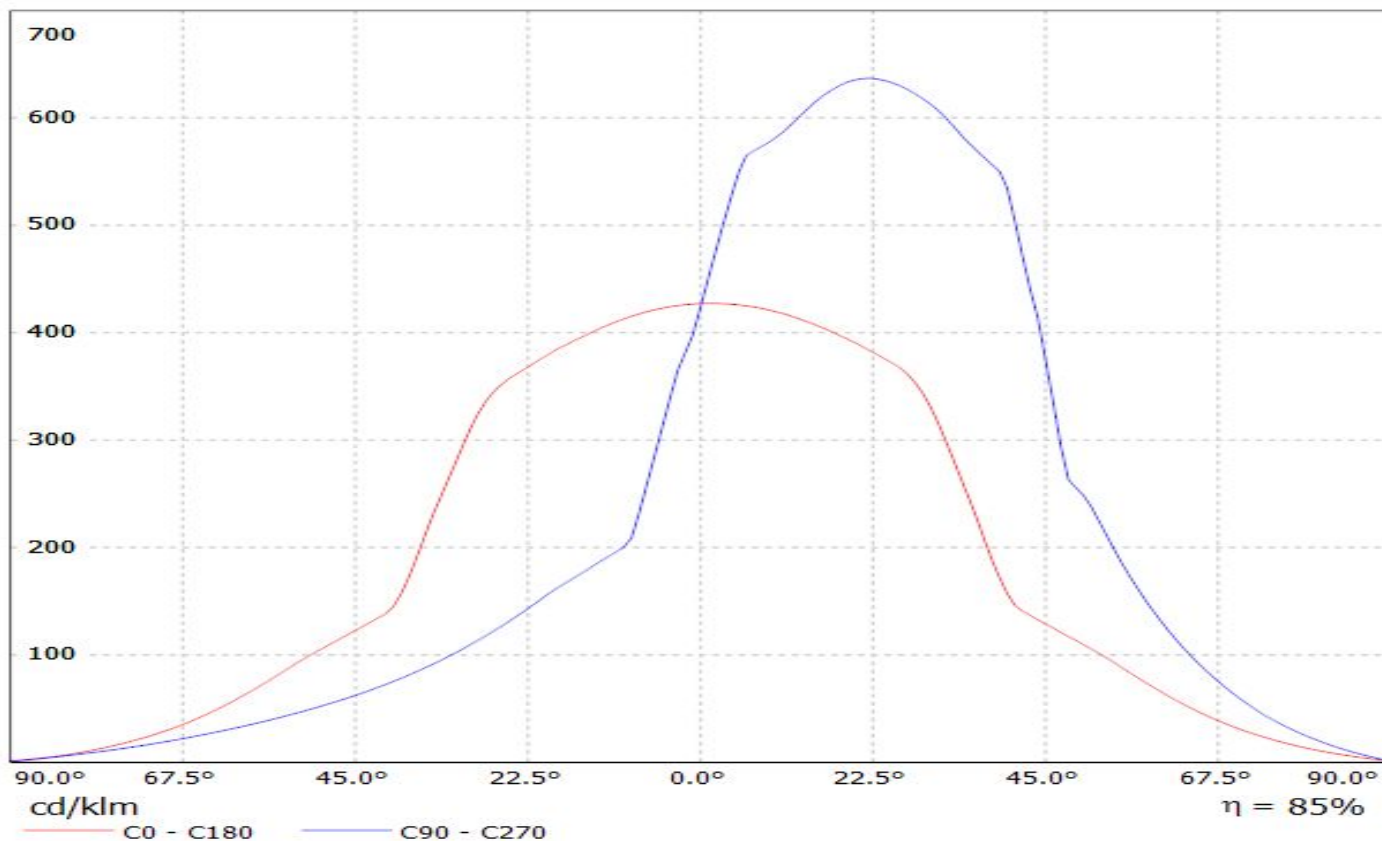


Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(Luxeon-A) Eff.85.8%  
Lamps: 1 x LUXEON\_A (60.4142lm@250mA)

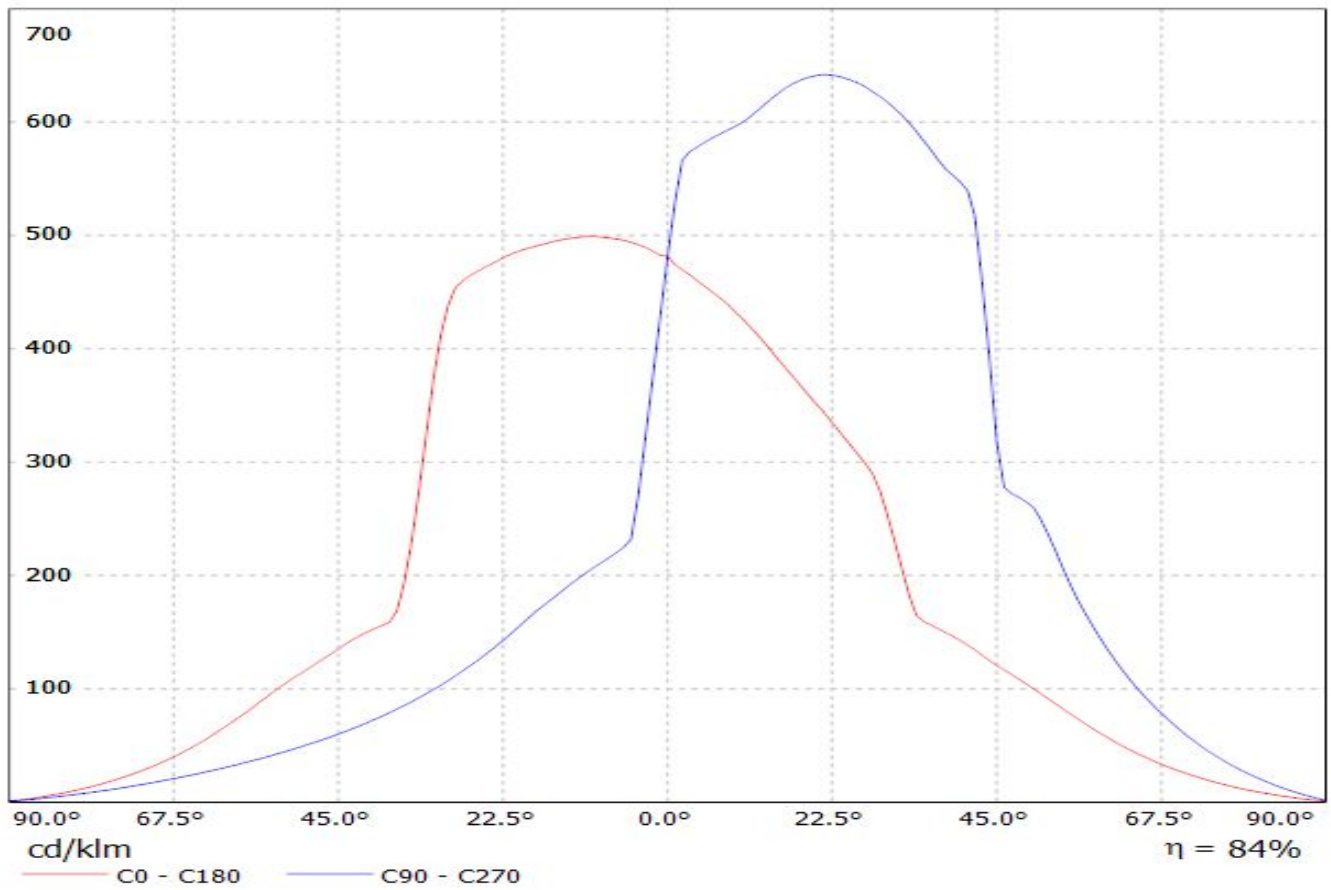


**LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85% / LDC (Linear)**

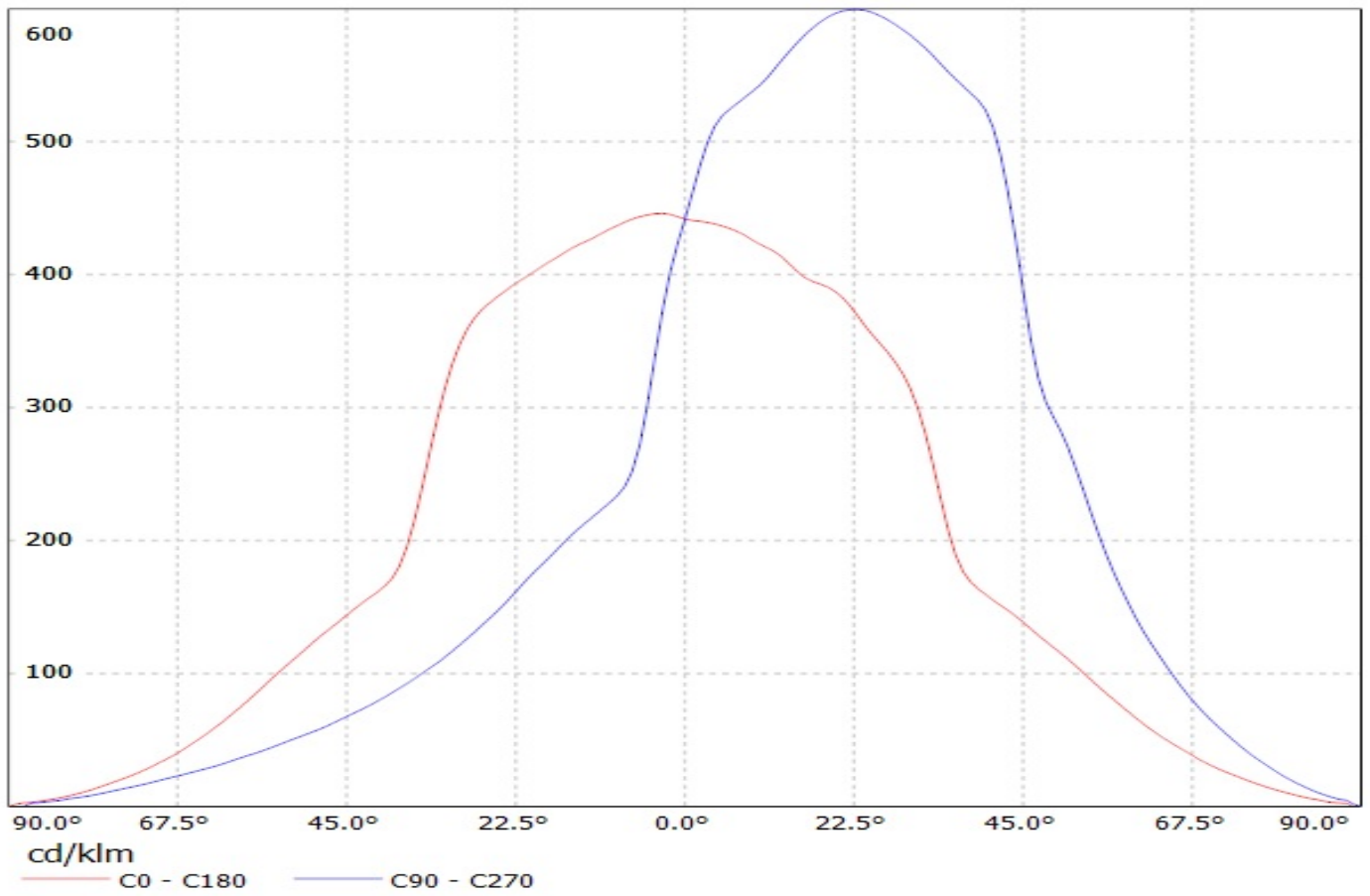
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85%  
Lamps: 1 x Luxeon M (361.96lm@250mA)



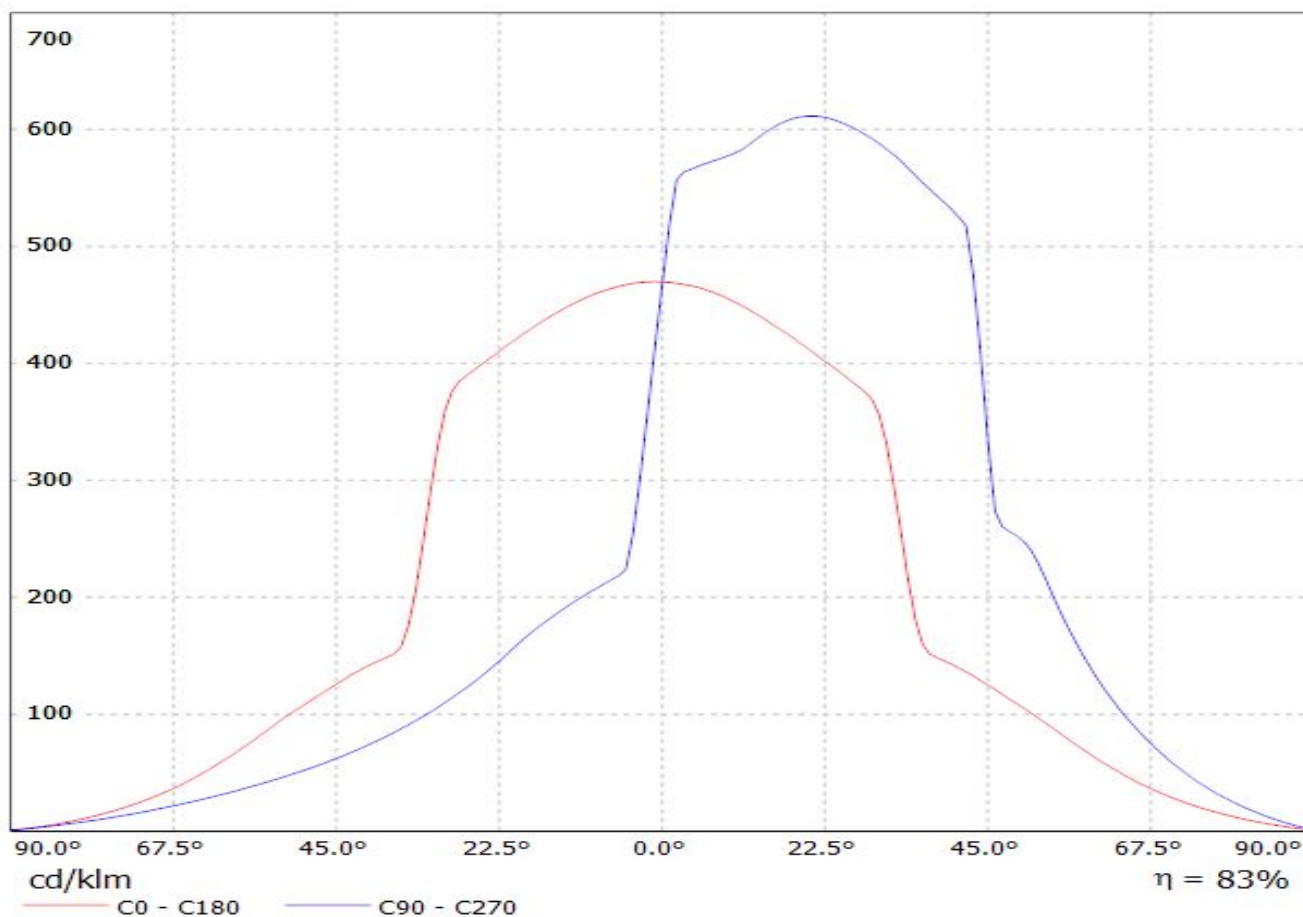
Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(LUXEON\_T) Eff.84%  
Lamps: 1 x LUXEON T (70lm@250mA)



Luminaire: LEDil Oy CA13177\_RITA-WAS\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

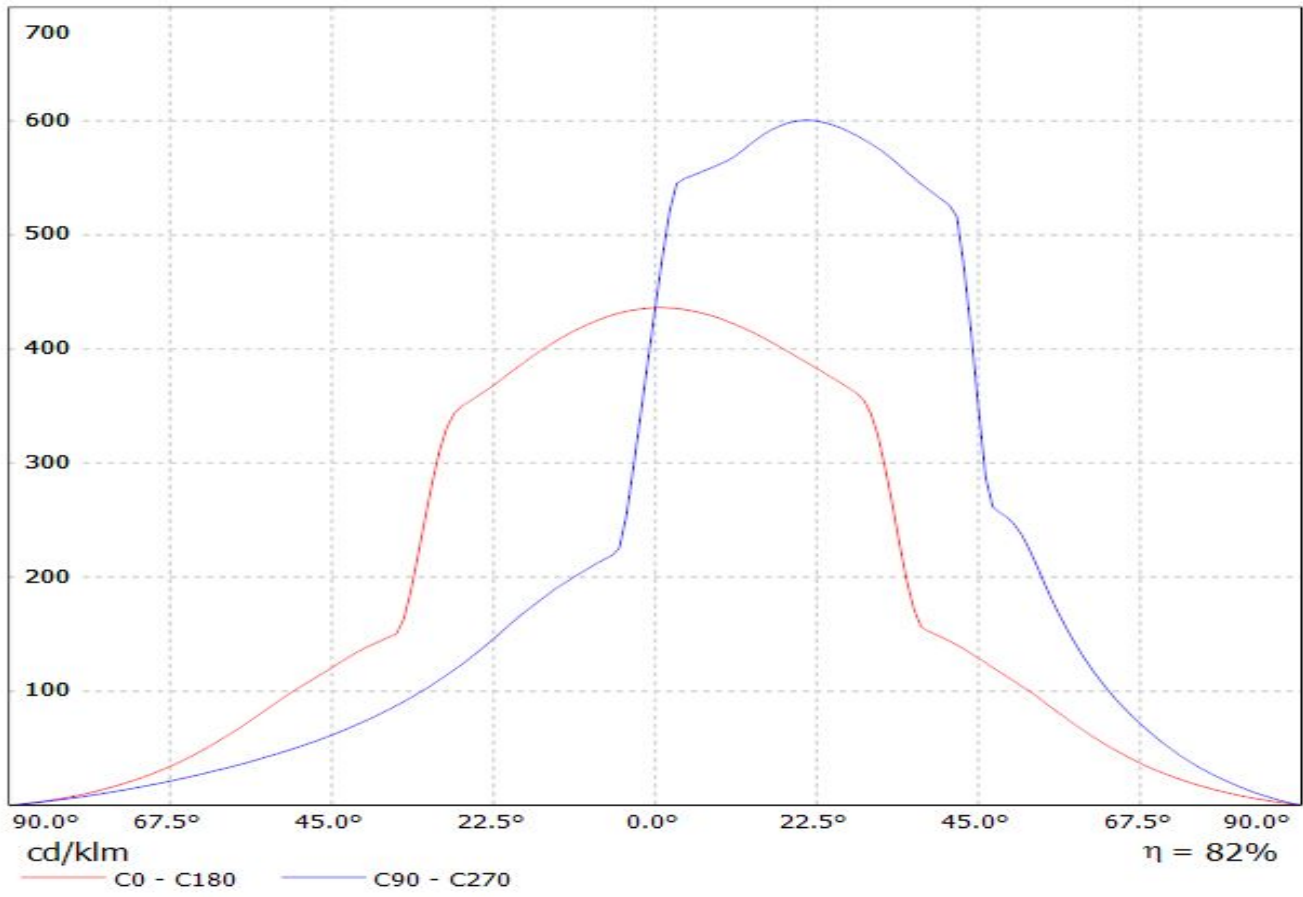


Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(Luxeon\_TX) Eff.83.4%  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.2531lm@250mA\_CCT=3500K\_P=0.730933W\_I=249.9mA



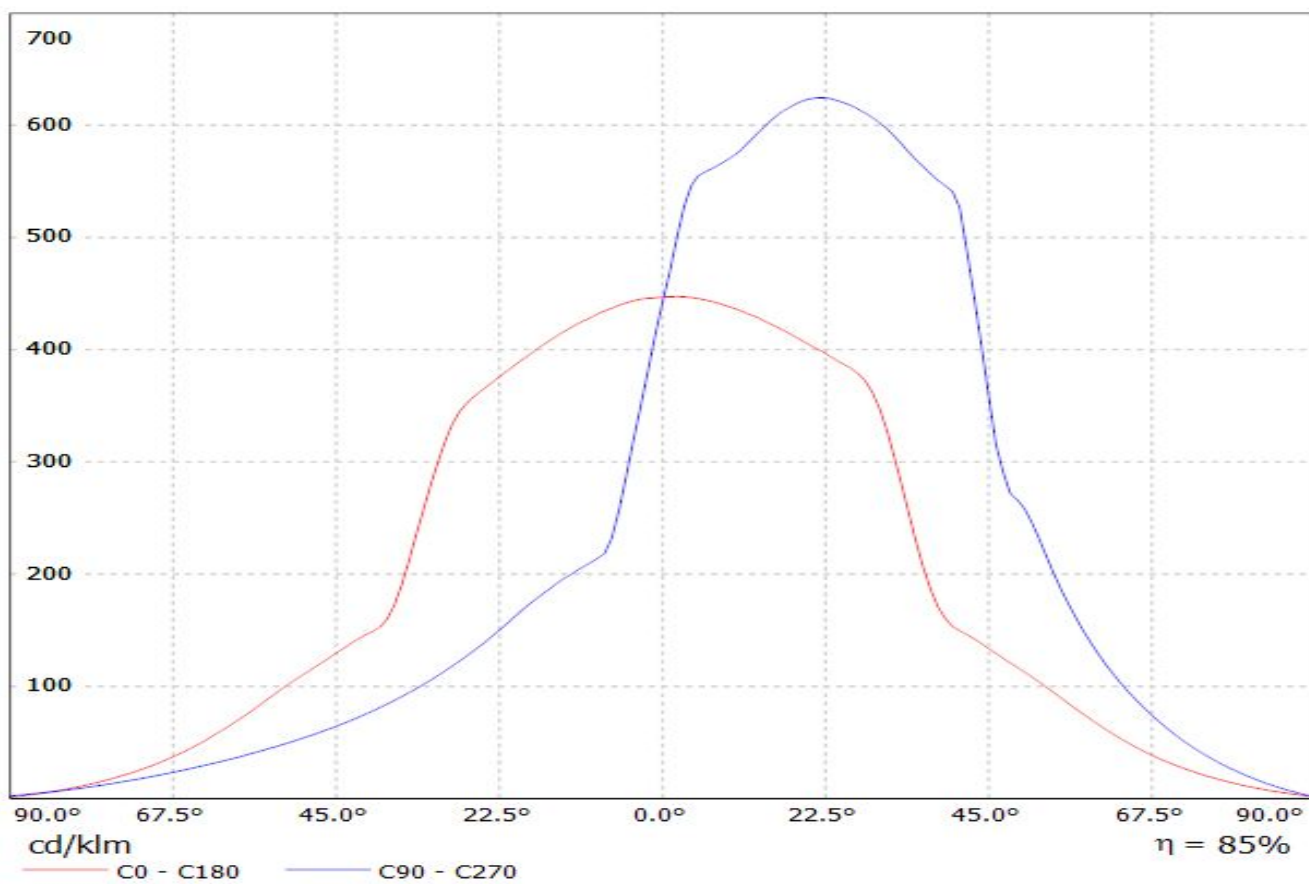


Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(NVSL219CE)  
Lamps: 1 x Nichia\_NVSL219CE\_101.227lm@250mA\_P=0.713404W\_I=0.25A



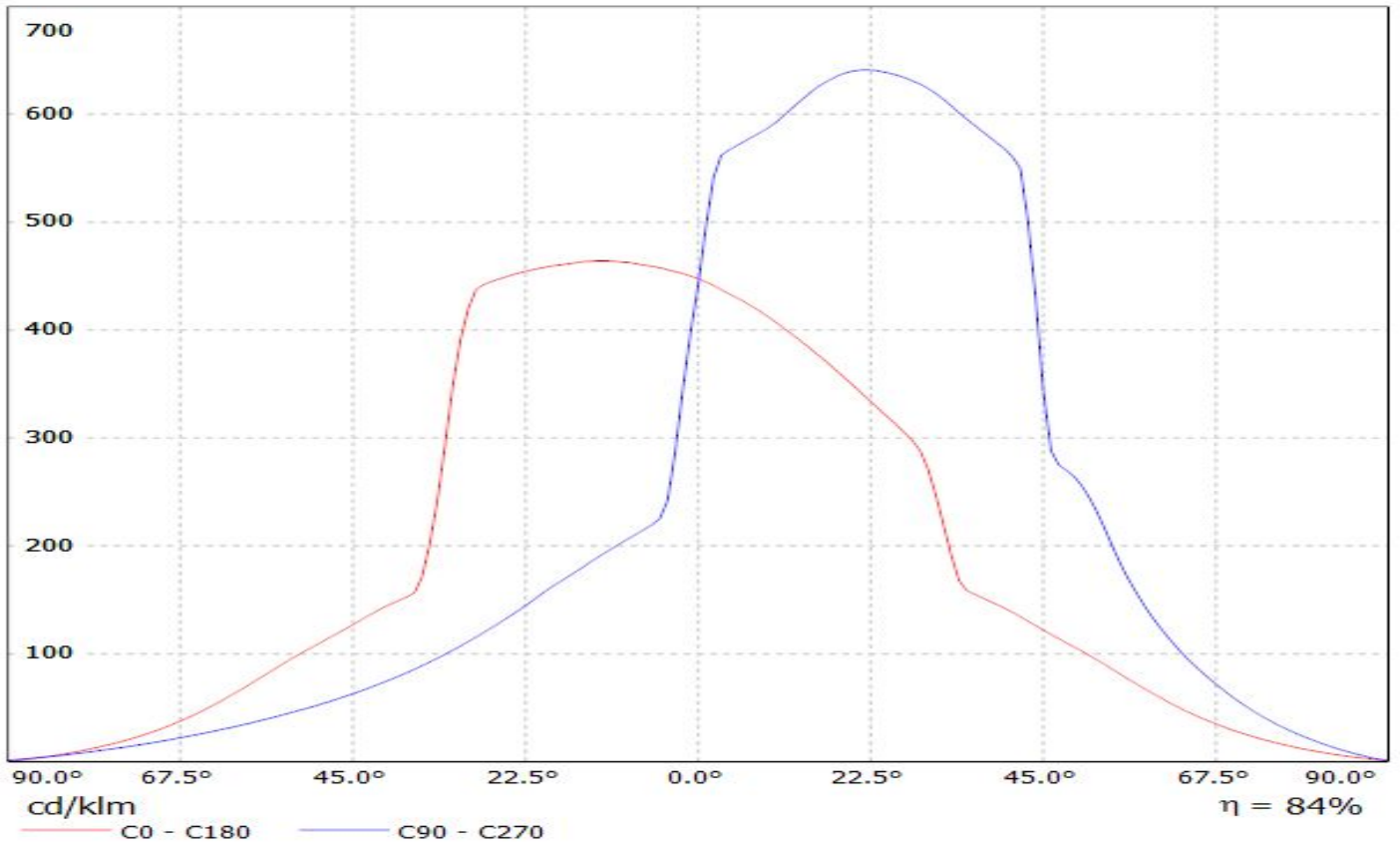
Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(NS9x383) Eff. 84,8%

Lamps: 1 x Nichia NS9x383 (105lm@250mA)



**LEDiL Oy C12516/CA13177\_RITA-WAS\_(SQ\_EC) Eff.84.4% / LDC (Linear)**

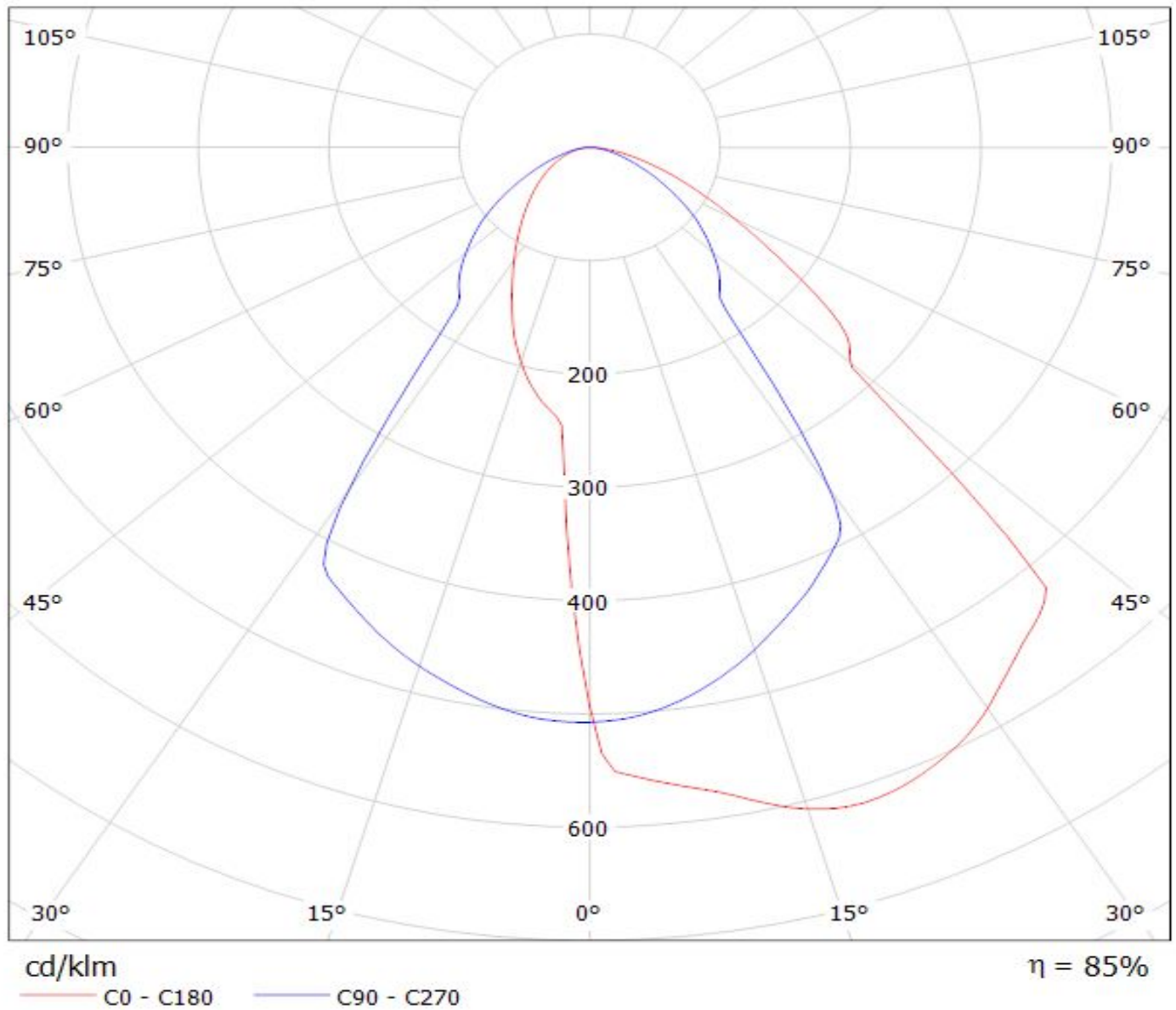
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(SQ\_EC) Eff.84.4%  
Lamps: 1 x SQ\_EC (68.9006lm@250mA)



# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5% / LDC (Polar)

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5%

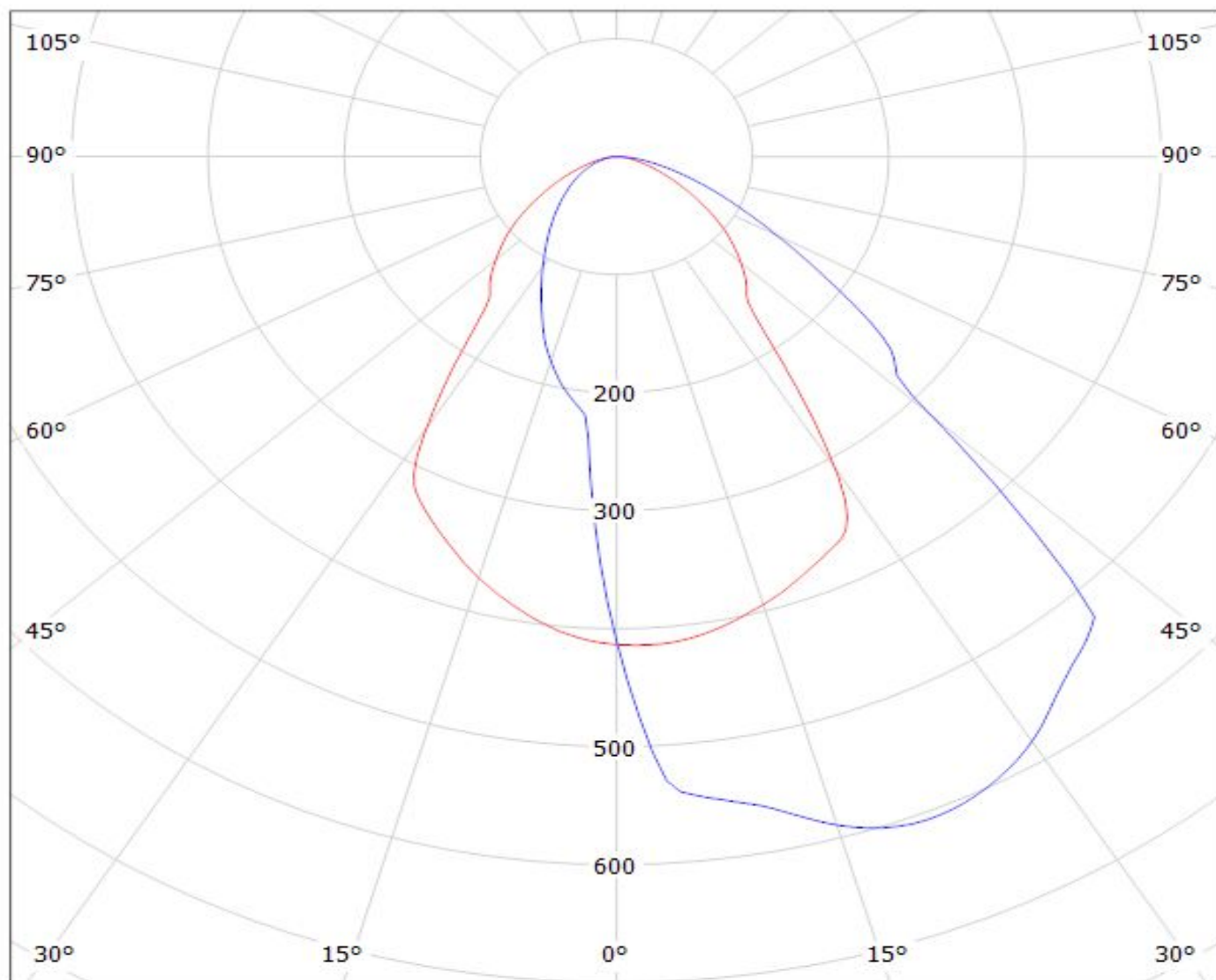
Lamps: 1 x XP-G (70.0094lm@250mA)



# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XM-L) Eff.83.7% / LDC (Polar)

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XM-L) Eff.83.7%

Lamps: 1 x XM-L (93.1234lm@250mA)



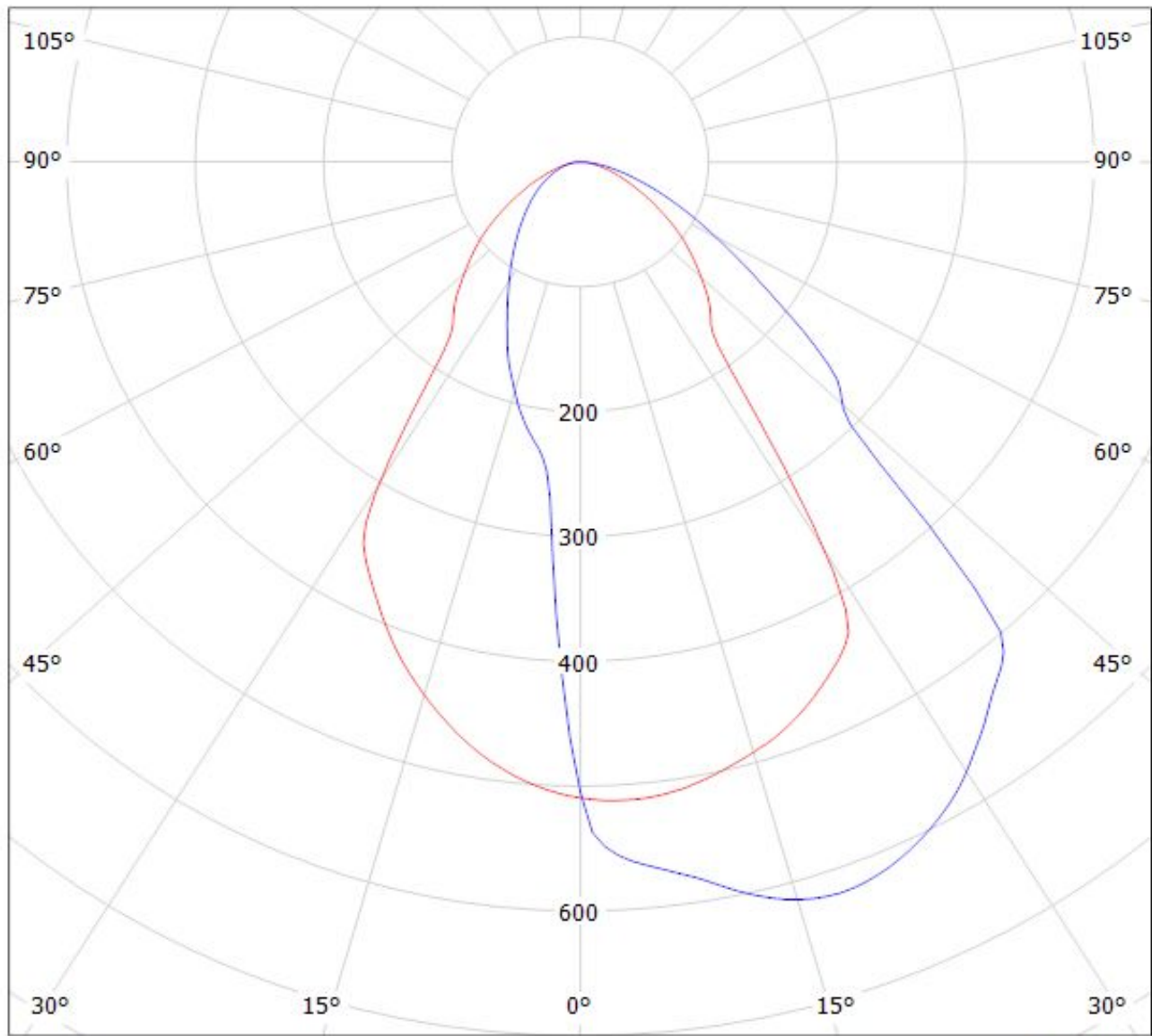
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(XT-E) Eff.83.4%  
Lamps: 1 x XT-E (99.7728lm@250mA)



cd/klm

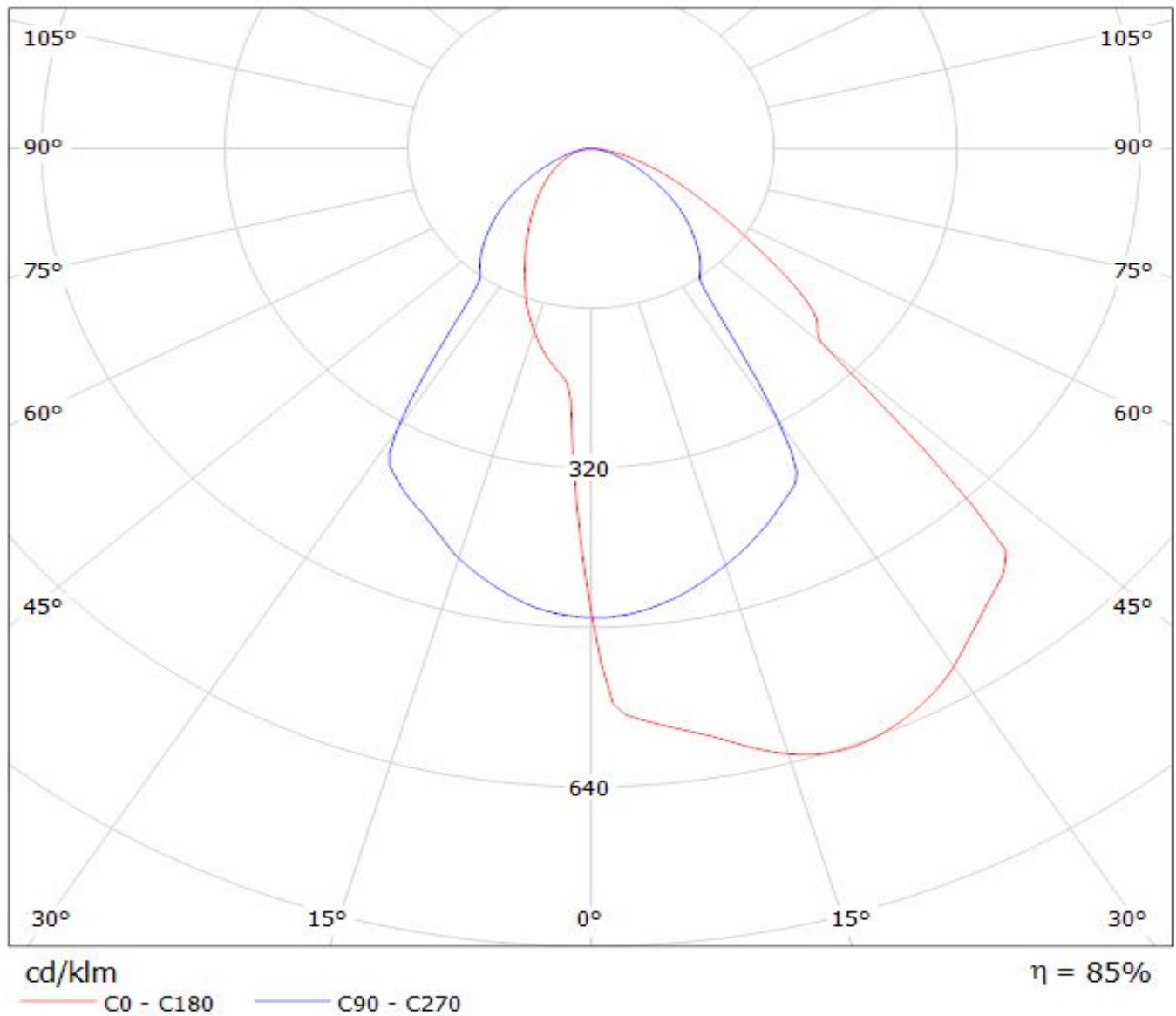
$\eta = 83\%$

— C0 - C180

— C90 - C270

# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25% / LDC (Polar)

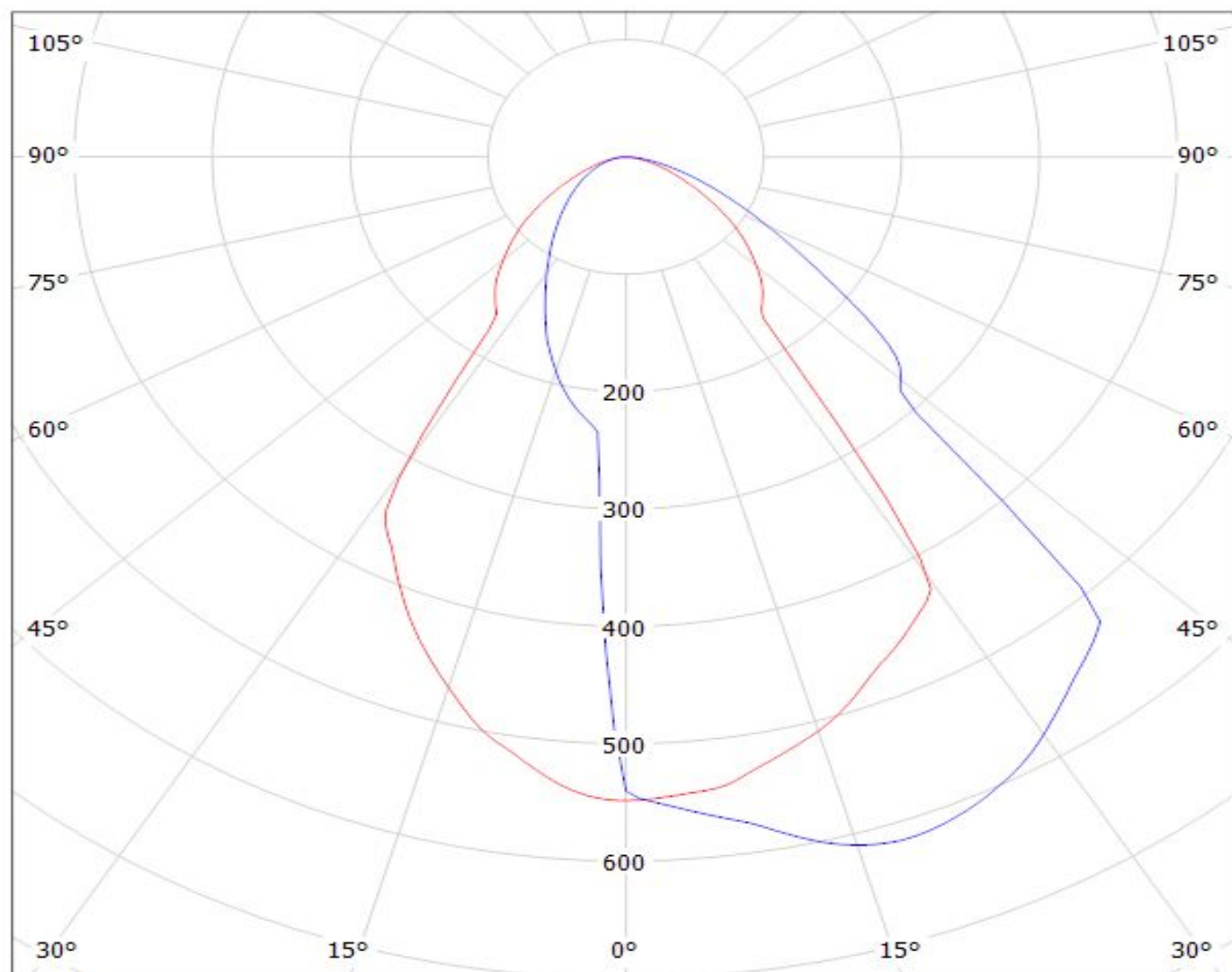
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25%  
Lamps: 1 x XP-G2 (106.037lm@250mA)



# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-E) Eff.83.5% / LDC (Polar)

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-E) Eff.83.5%

Lamps: 1 x XP-E (68.9692lm@250mA)



cd/klm

— C0 - C180

— C90 - C270

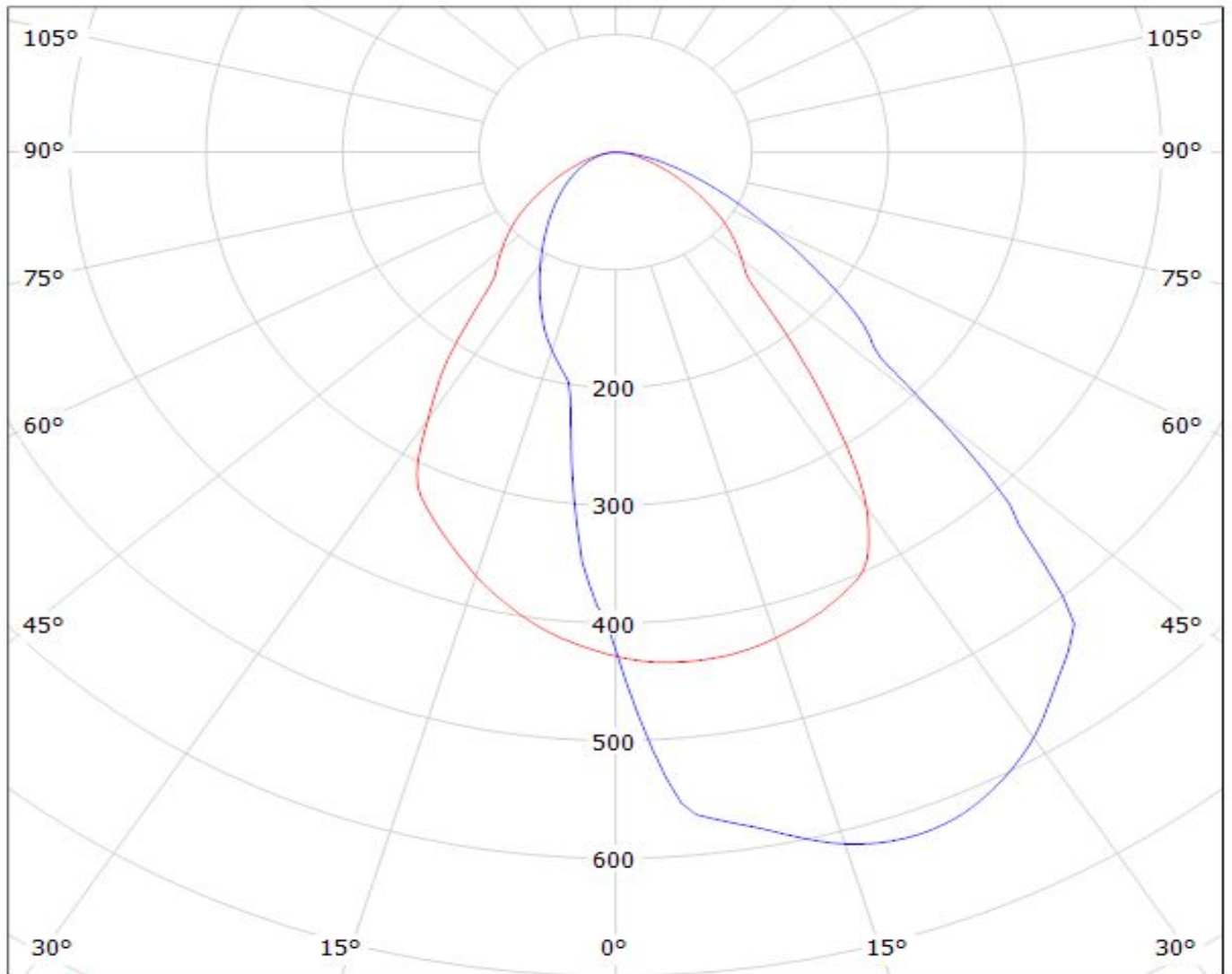
$\eta = 83\%$



# LEDiL Oy CA13177\_RITA-WAS\_(CREE\_MKR) Eff.84.5% / LDC (Polar)

Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(CREE\_MKR) Eff.84.5%

Lamps: 1 x MK-R (368.505lm@250mA)

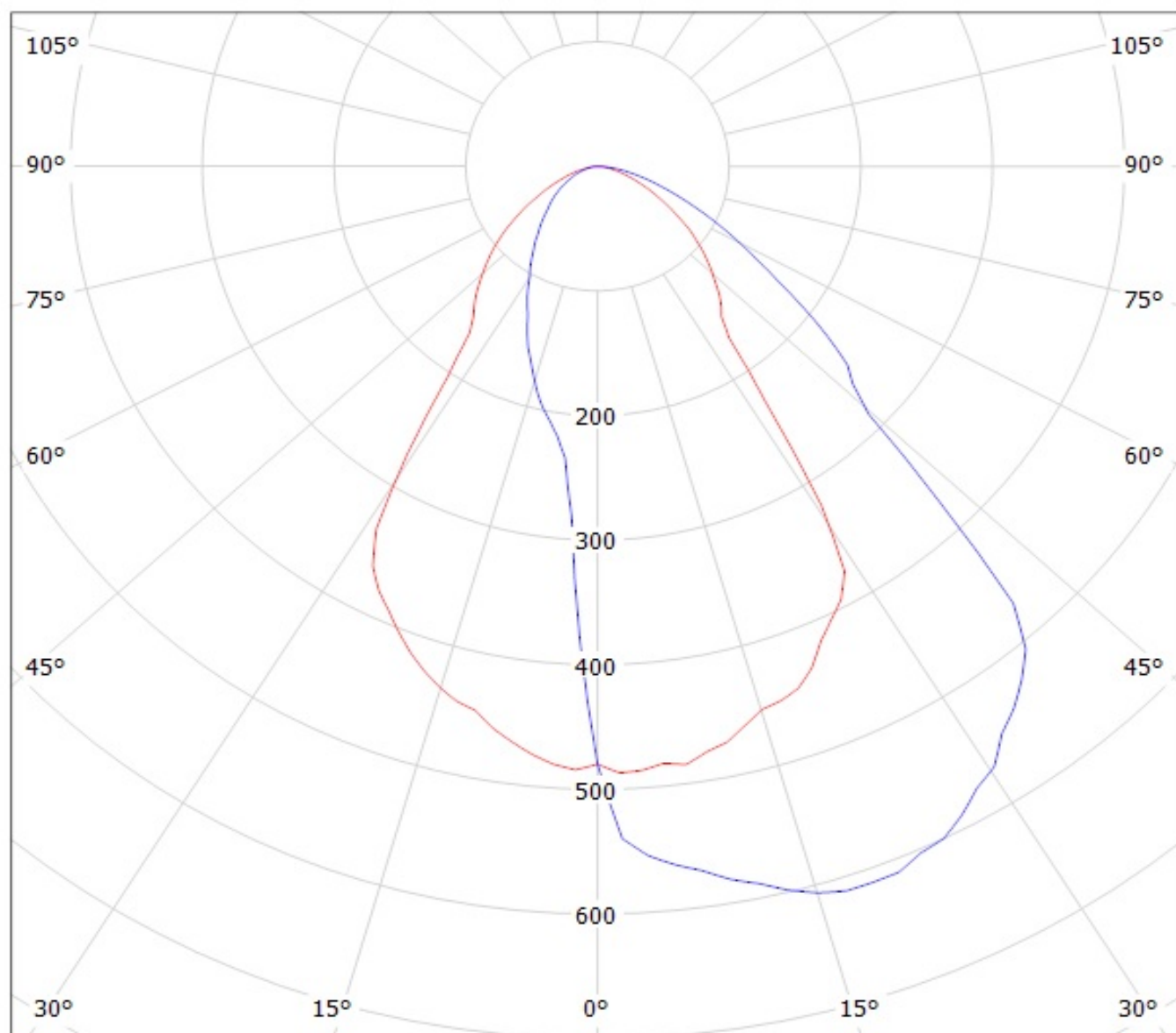


cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA13177\_RITA-WAS (Cree XB-D 94lm @ 250mA) Efficiency=82%  
Lamps: 1 x Cree XB-D 94lm @ 250mA

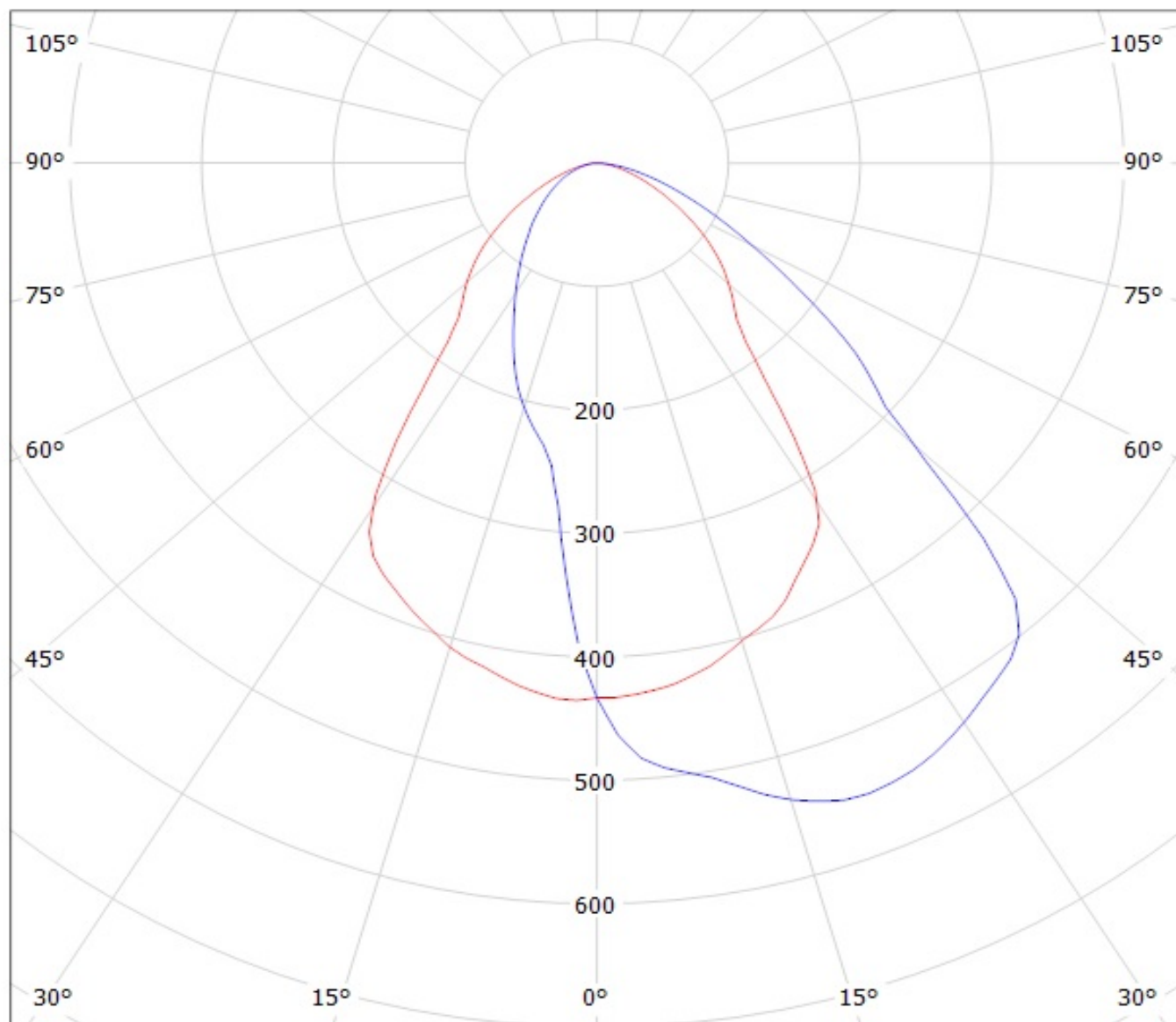


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13177\_RITA-WAS\_(XM-L2) Efficiency=83%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA

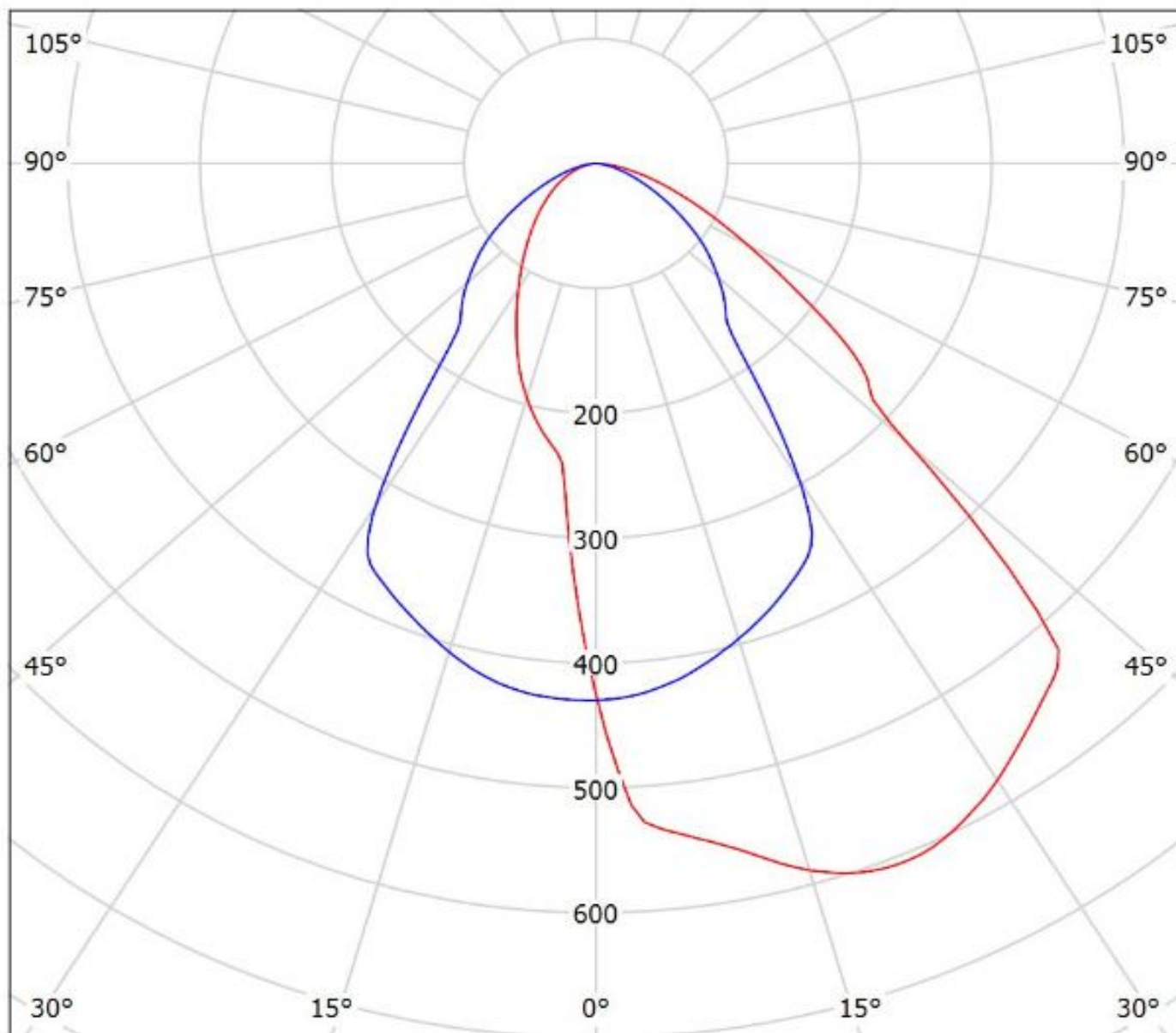


cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil CA13177\_RITA-WAS\_(XP-L)

Lamps: 1 x Cree\_XP-L\_126.98lm@250mA\_P=0.73755W\_I=0.25A

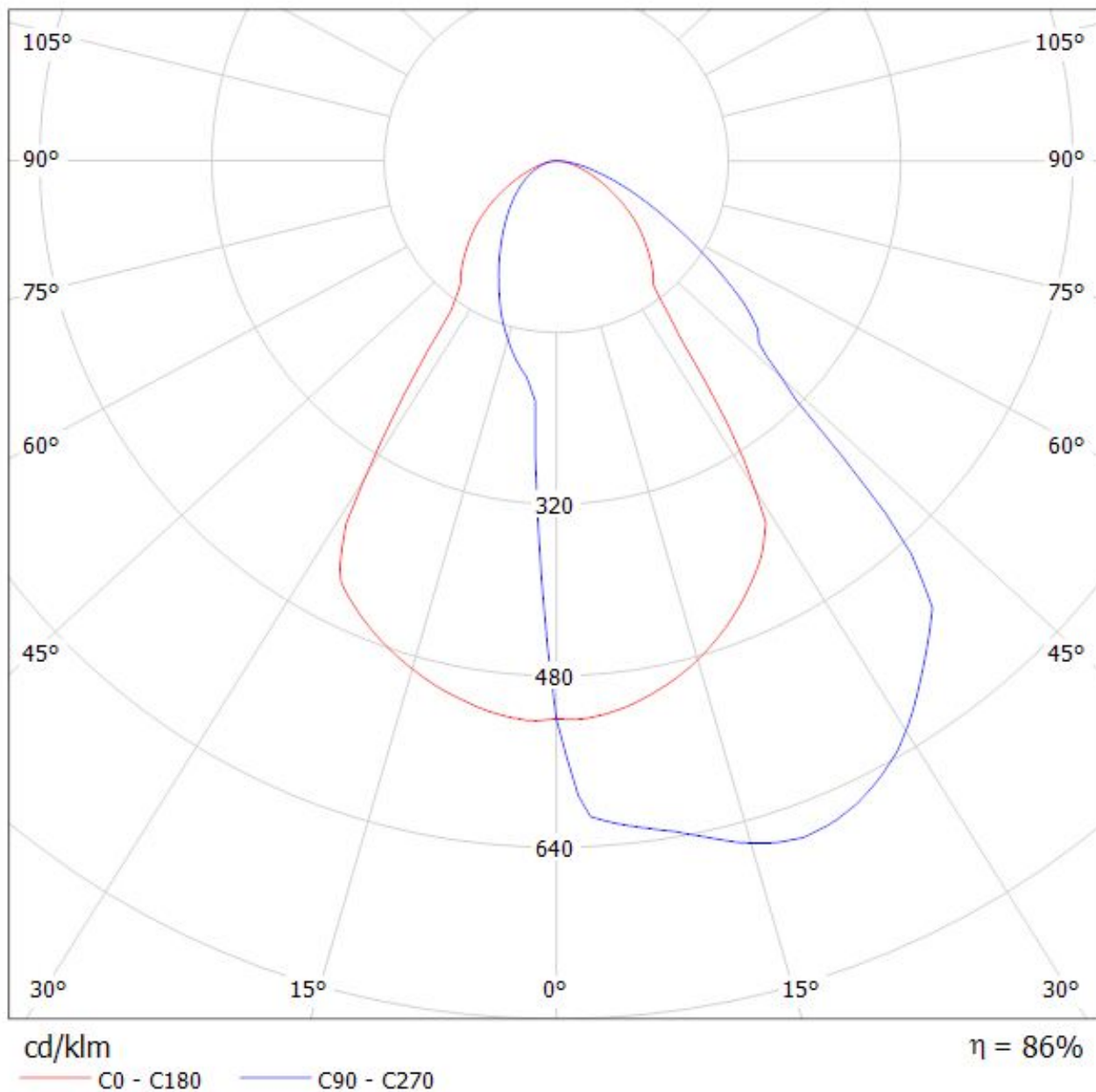


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

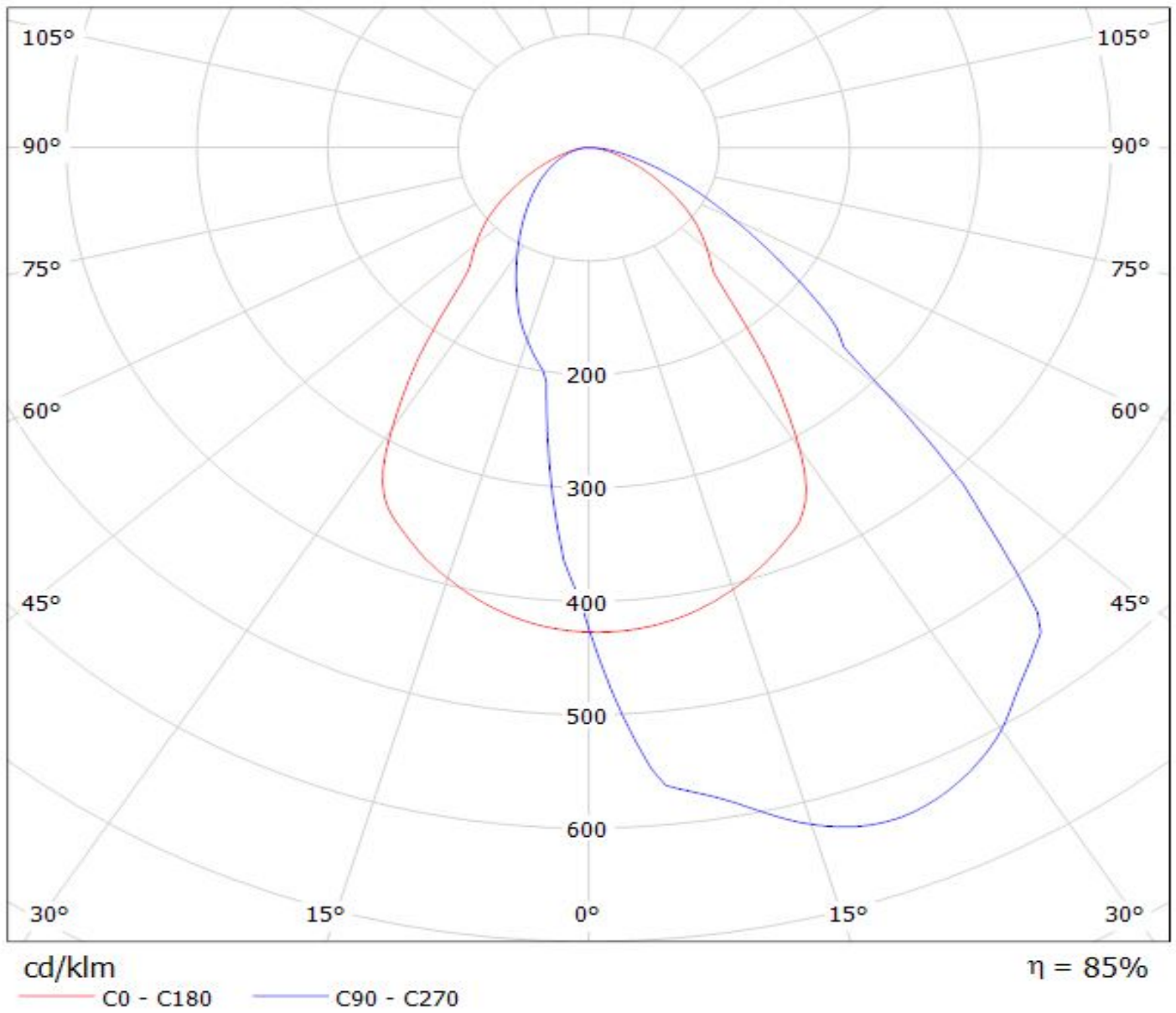
Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(Luxeon-A) Eff.85.8%  
Lamps: 1 x LUXEON\_A (60.4142lm@250mA)



# LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85% / LDC (Polar)

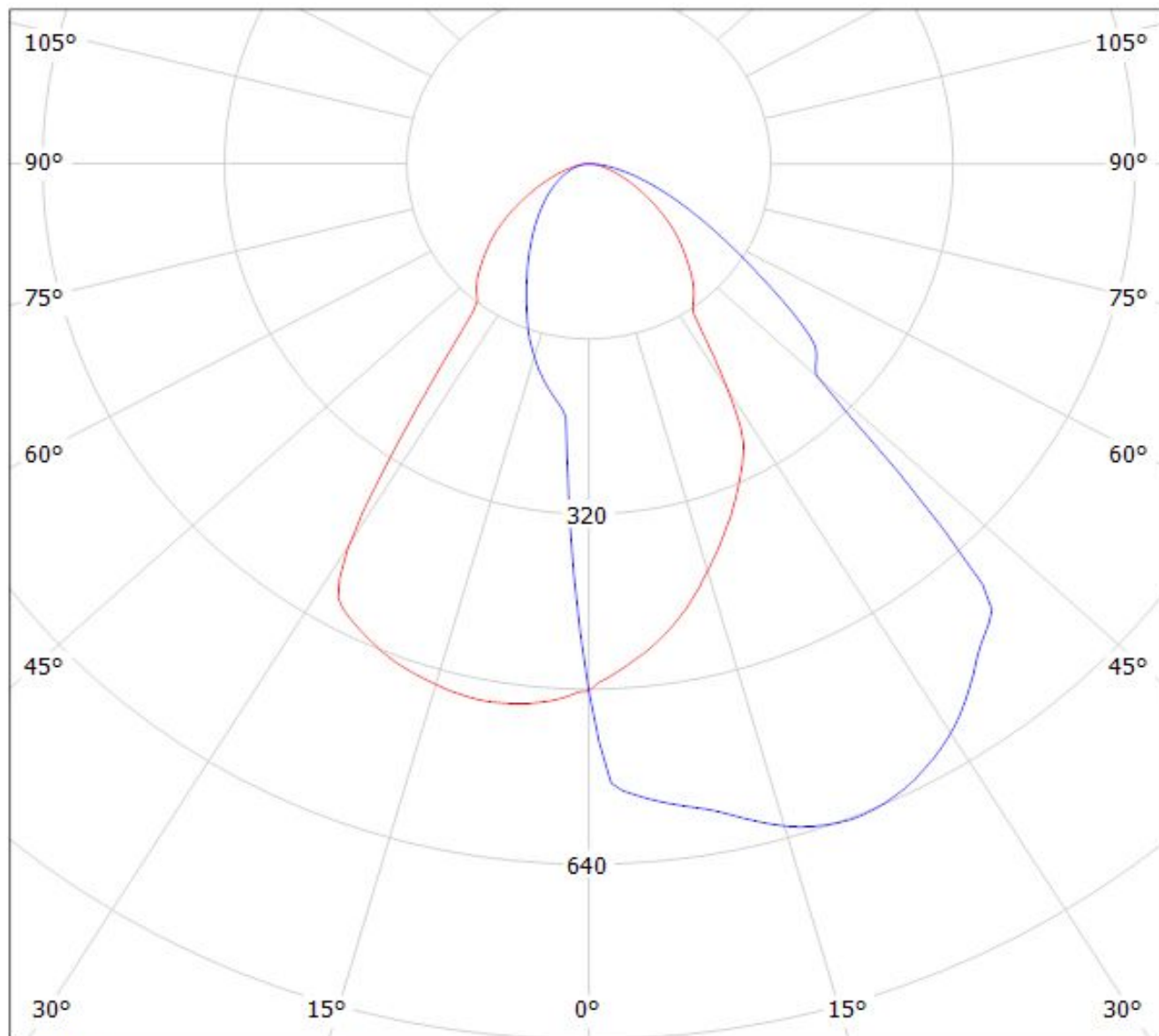
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85%

Lamps: 1 x Luxeon M (361.96lm@250mA)



Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(LUXEON\_T) Eff.84%

Lamps: 1 x LUXEON T (70lm@250mA)



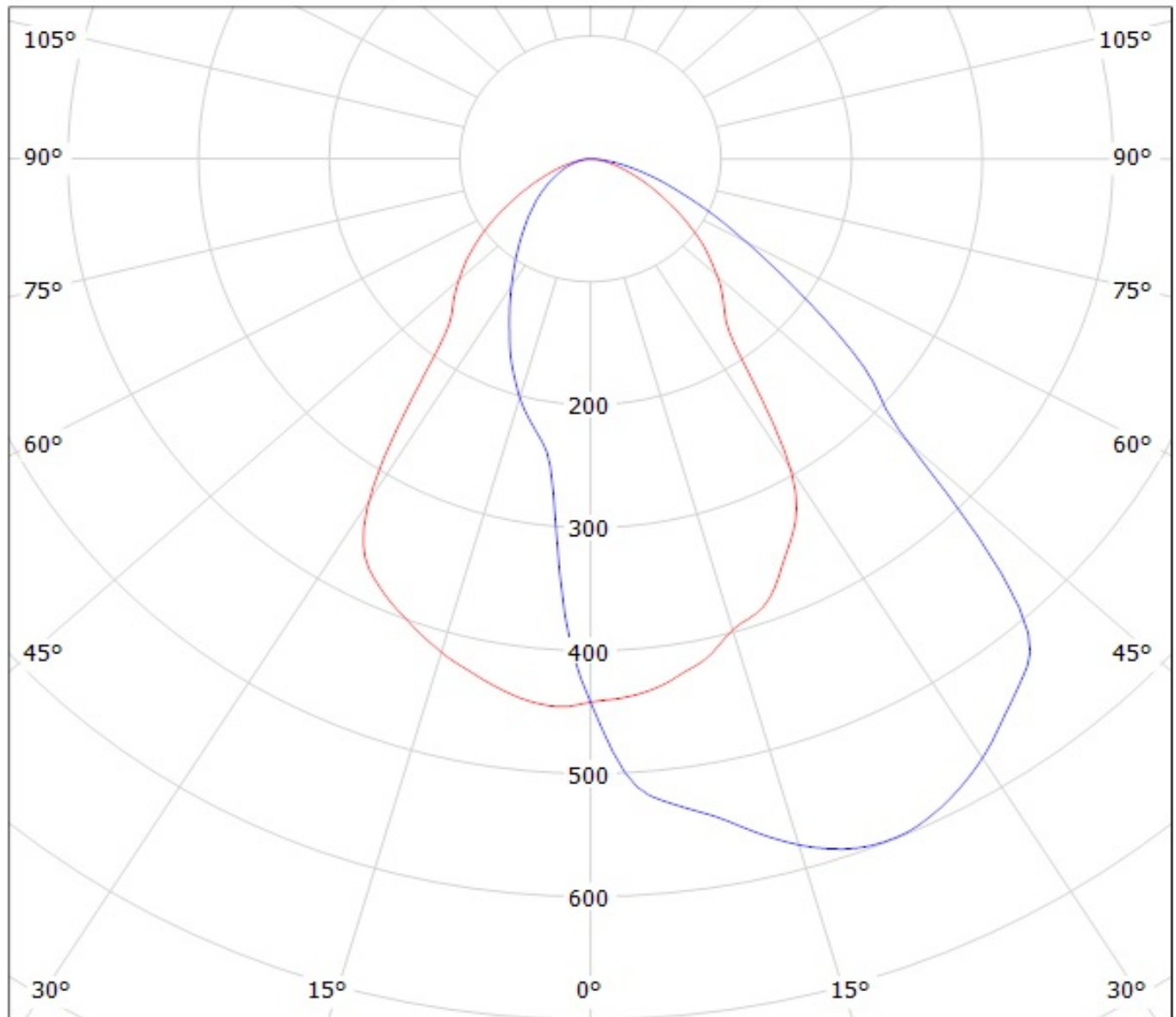
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDil Oy CA13177\_RITA-WAS\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



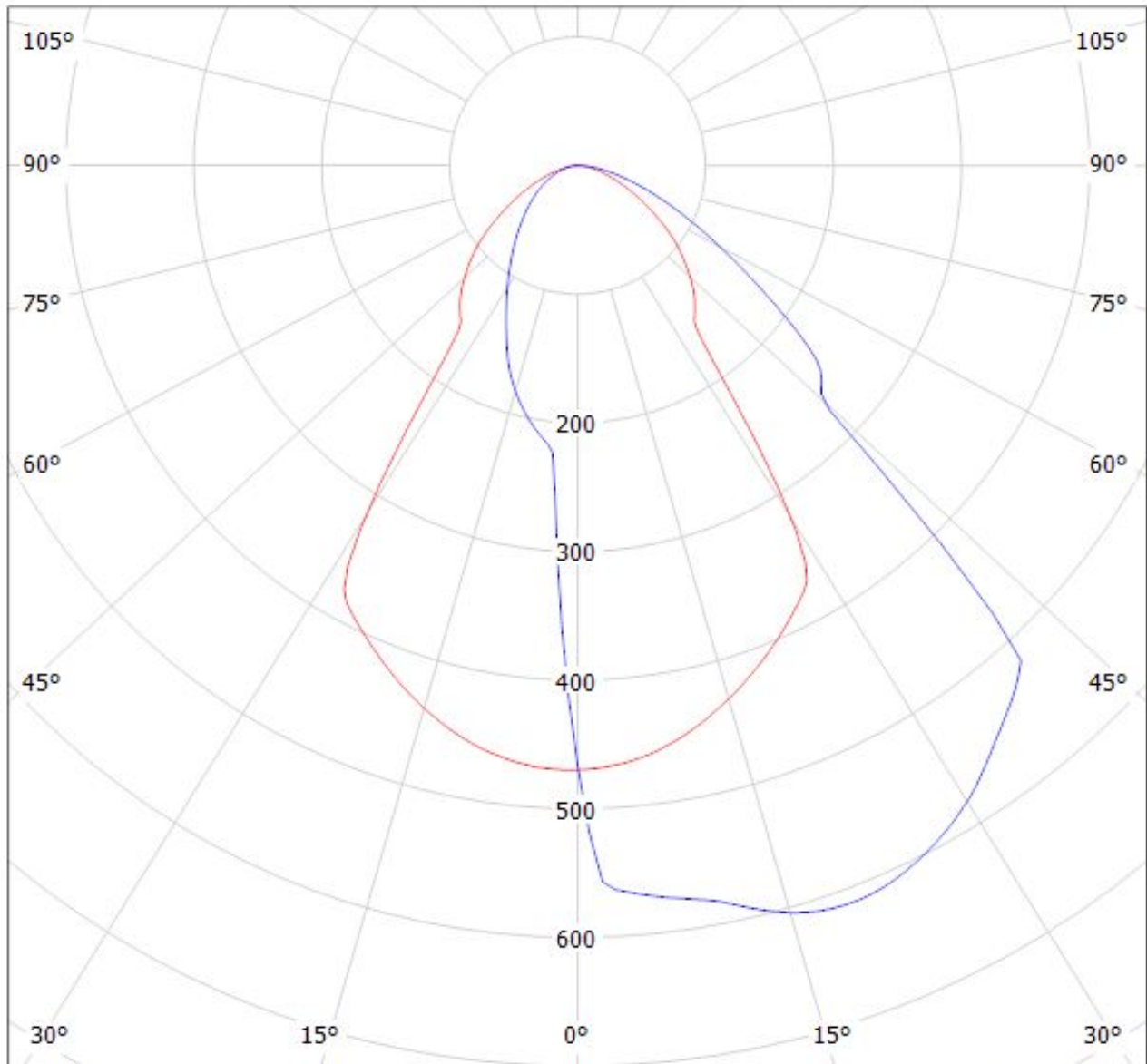
cd/klm

— C0 - C180    — C90 - C270



Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(Luxeon\_TX) Eff.83.4%

Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.2531lm@250mA\_CCT=3500K\_P=0.730933W\_I=249.9mA



cd/klm

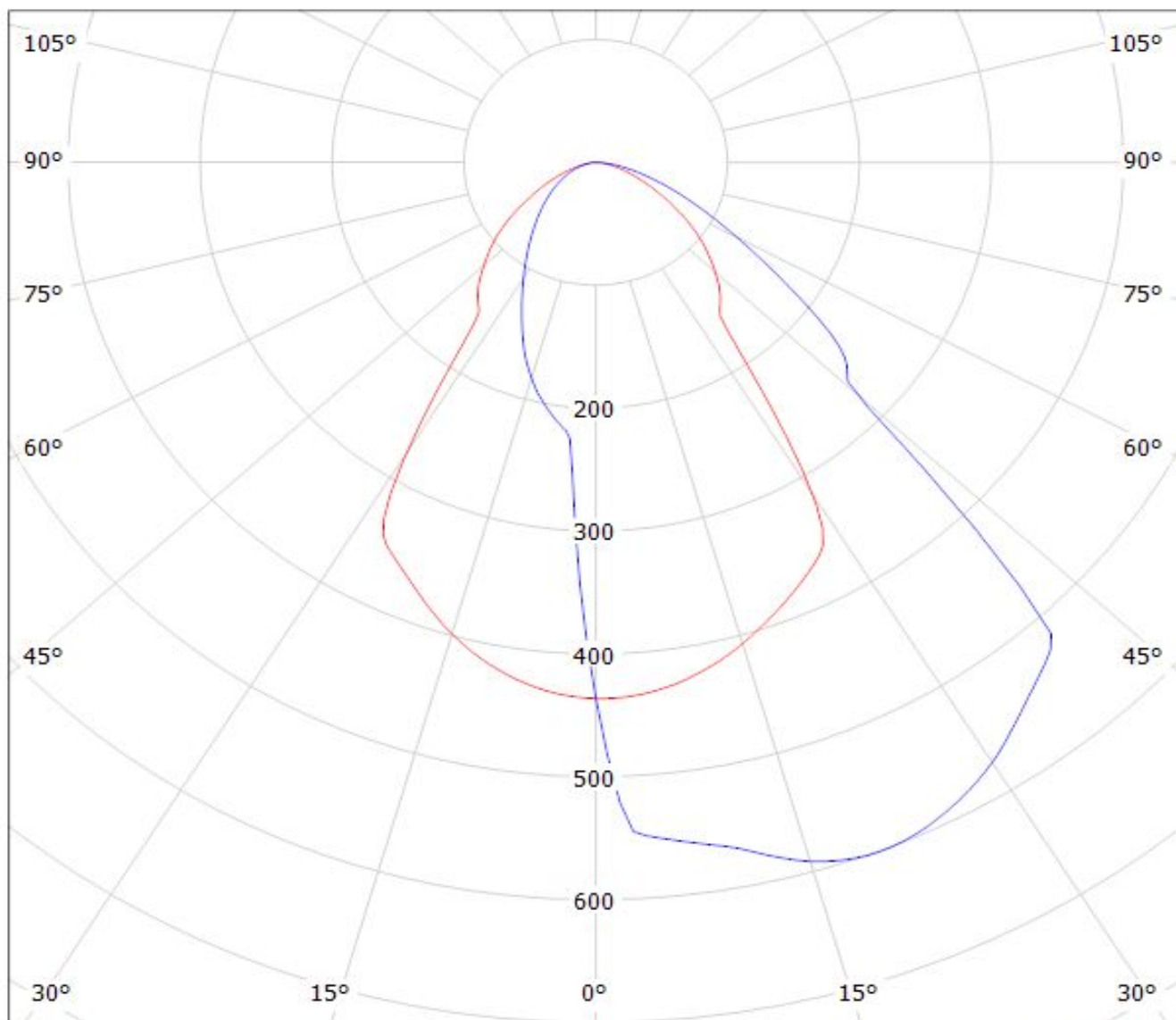
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(NVSL219CE)

Lamps: 1 x Nichia\_NVSL219CE\_101.227lm@250mA\_P=0.713404W\_I=0.25A

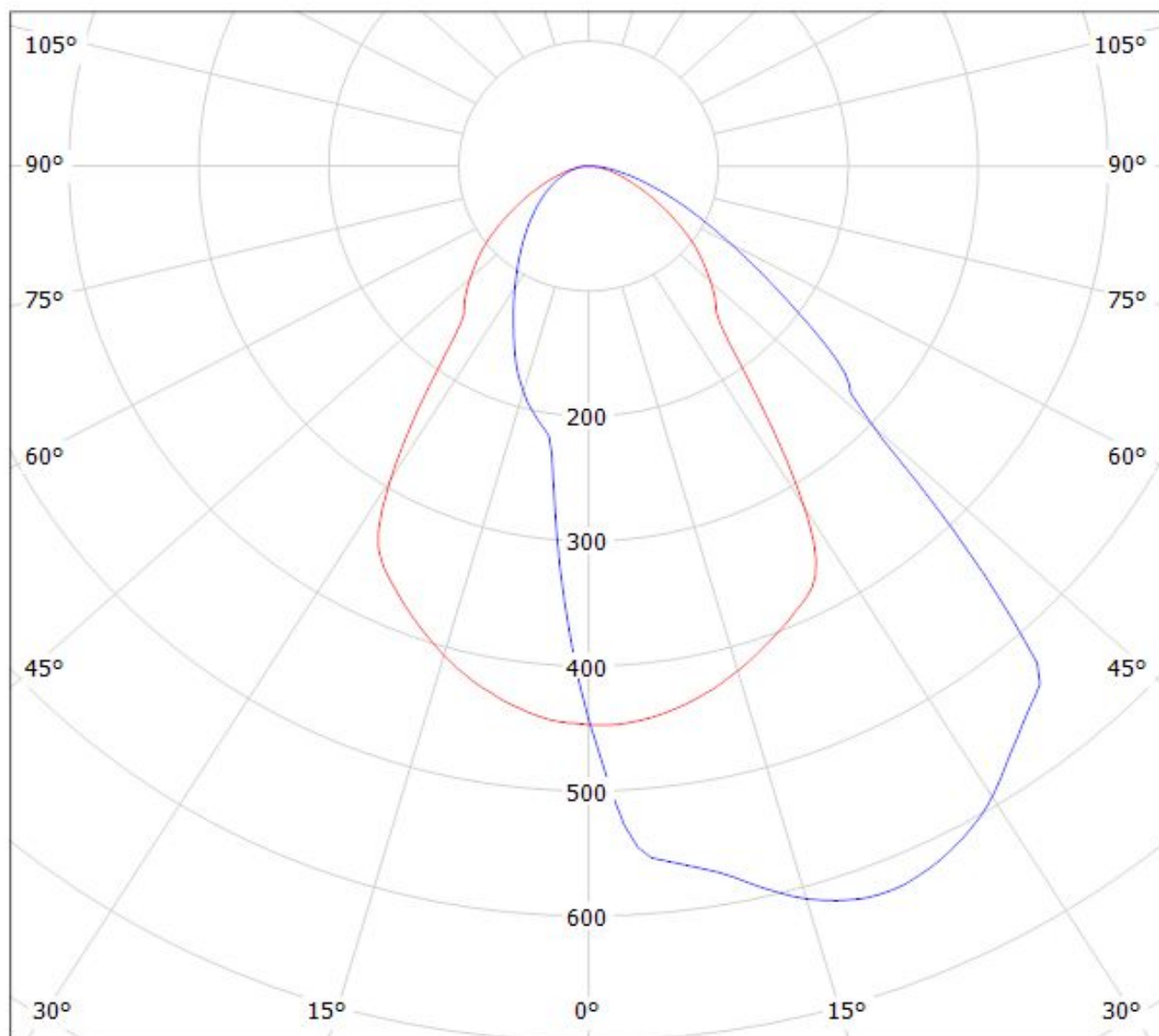


cd/klm

$\eta = 82\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CA13177\_RITA-WAS\_(NS9x383) Eff. 84,8%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



cd/klm

— C0 - C180

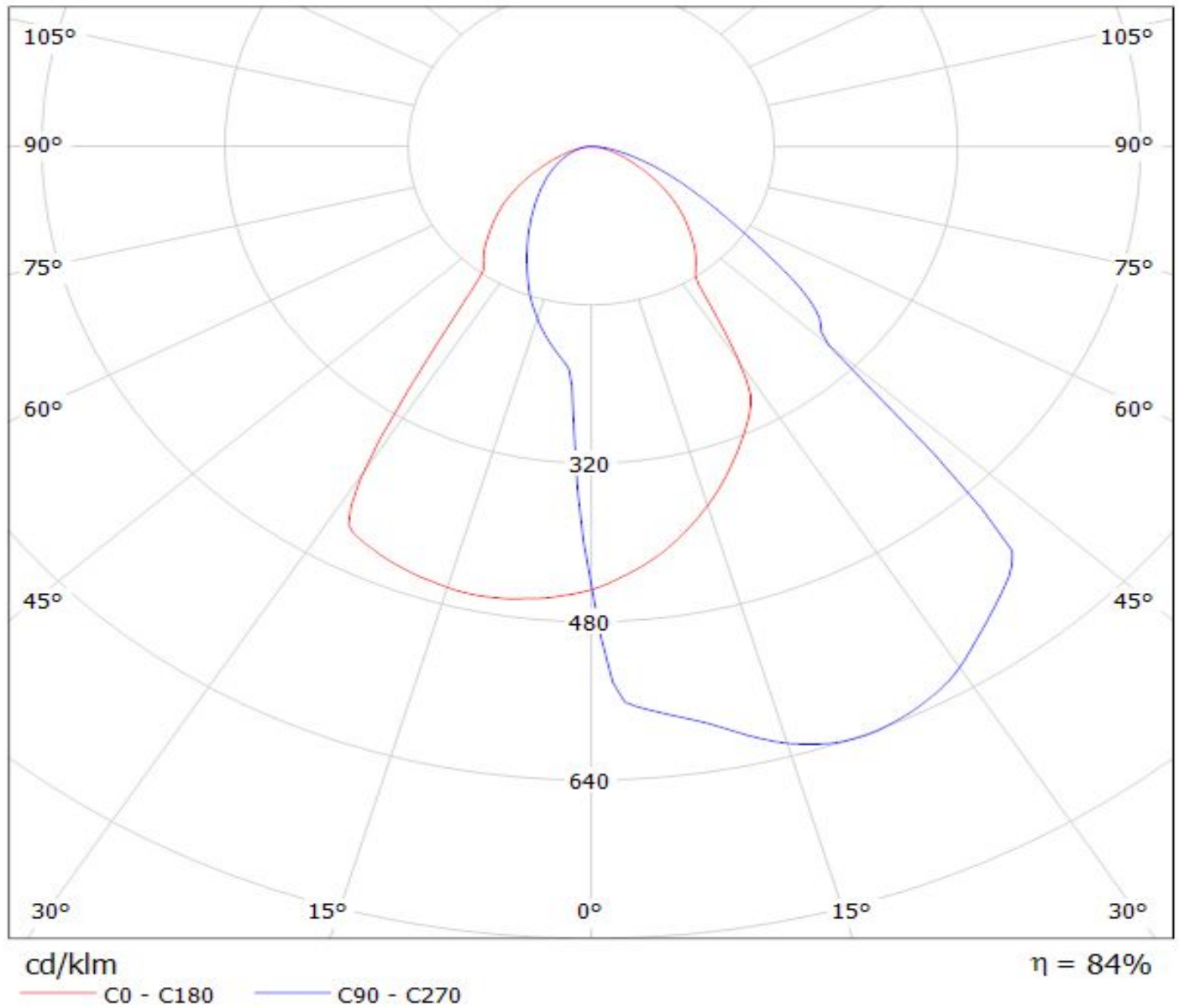
— C90 - C270

$\eta = 85\%$

# LEDiL Oy C12516/CA13177\_RITA-WAS\_(SQ\_EC) Eff.84.4% / LDC (Polar)

Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(SQ\_EC) Eff.84.4%

Lamps: 1 x SQ\_EC (68.9006lm@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.**