

## DETAILS

<b>Product Number</b>	C12516_RITA-WAS
<b>Family</b>	Rita
<b>Type</b>	Reflector
<b>Color</b>	white
<b>Diameter</b>	31,9 + 28,4 mm
<b>Height</b>	17,1 mm
<b>Style</b>	rectang
<b>Optic Material</b>	HRPC
<b>Holder Material</b>	
<b>Fastening</b>	glue, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/02/2017

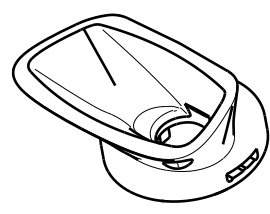


## OPTICAL PROPERTIES

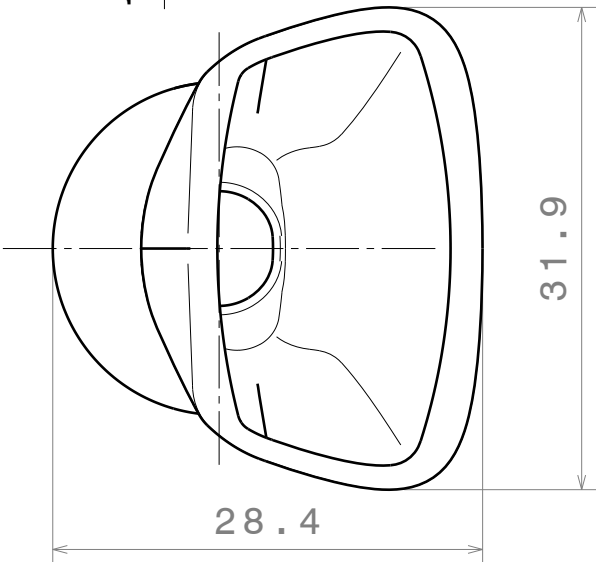
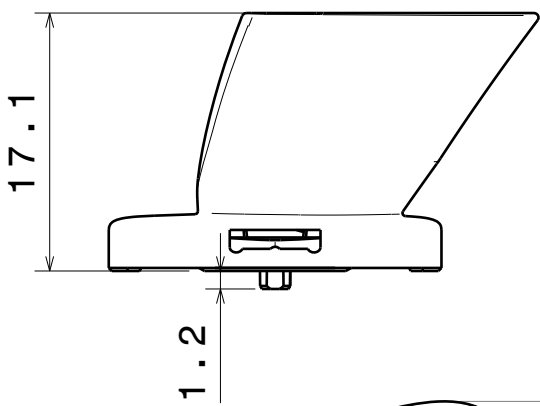
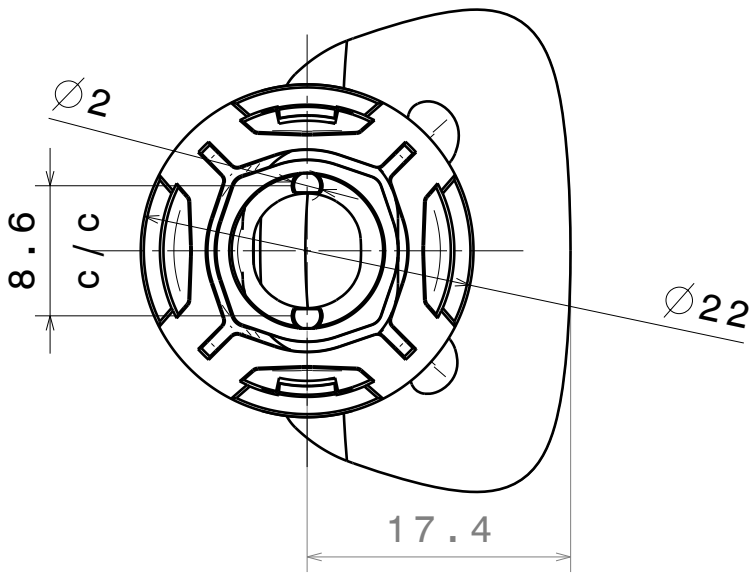
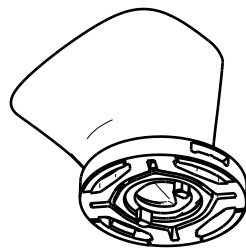
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G	Asymmetric deg	Asymmetric	85 %	0.630	-
XM-L	Asymmetric deg	Asymmetric	84 %	0.611	-
XT-E	Asymmetric deg	Asymmetric	84 %	0.640	-
XP-G2	Asymmetric deg	Asymmetric	85 %	0.657	-
XP-E	Asymmetric deg	Asymmetric	83 %	0.634	-
XM-L2	asymmetric deg	Asymmetric	83 %	0.600	-
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	84 %	0.620	-
NVSxx19B/NVSxx19C	Asymmetric deg	Asymmetric	83 %	0.600	-
NS9x383	Asymmetric deg	Asymmetric	85 %	0.630	-
Oslon Square EC	Asymmetric deg	Asymmetric	84 %	0.654	-

D C B A

4



Isometric view  
Scale: 1:1



4

3

3

2

Material: White reflective PC

Tolerances for dimensions:  
 0-20mm tolerance value +0.1mm  
 21-45mm tolerance value +0.2mm  
 46-90mm tolerance value +0.3mm  
 91-100mm tolerance value +0.4mm  
 101-mm tolerance value +0.5mm

2

1

1

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Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

**DRAWING TITLE**  
 Datasheet Rita-WAS Reflector

<b>DRAWN BY</b> pv	<b>DATE</b> 11.06.2012
<b>CHECKED BY</b> vs	<b>DATE</b> 30.05.2012
<b>DESIGNED BY</b> hh	<b>DATE</b> 30.05.2012

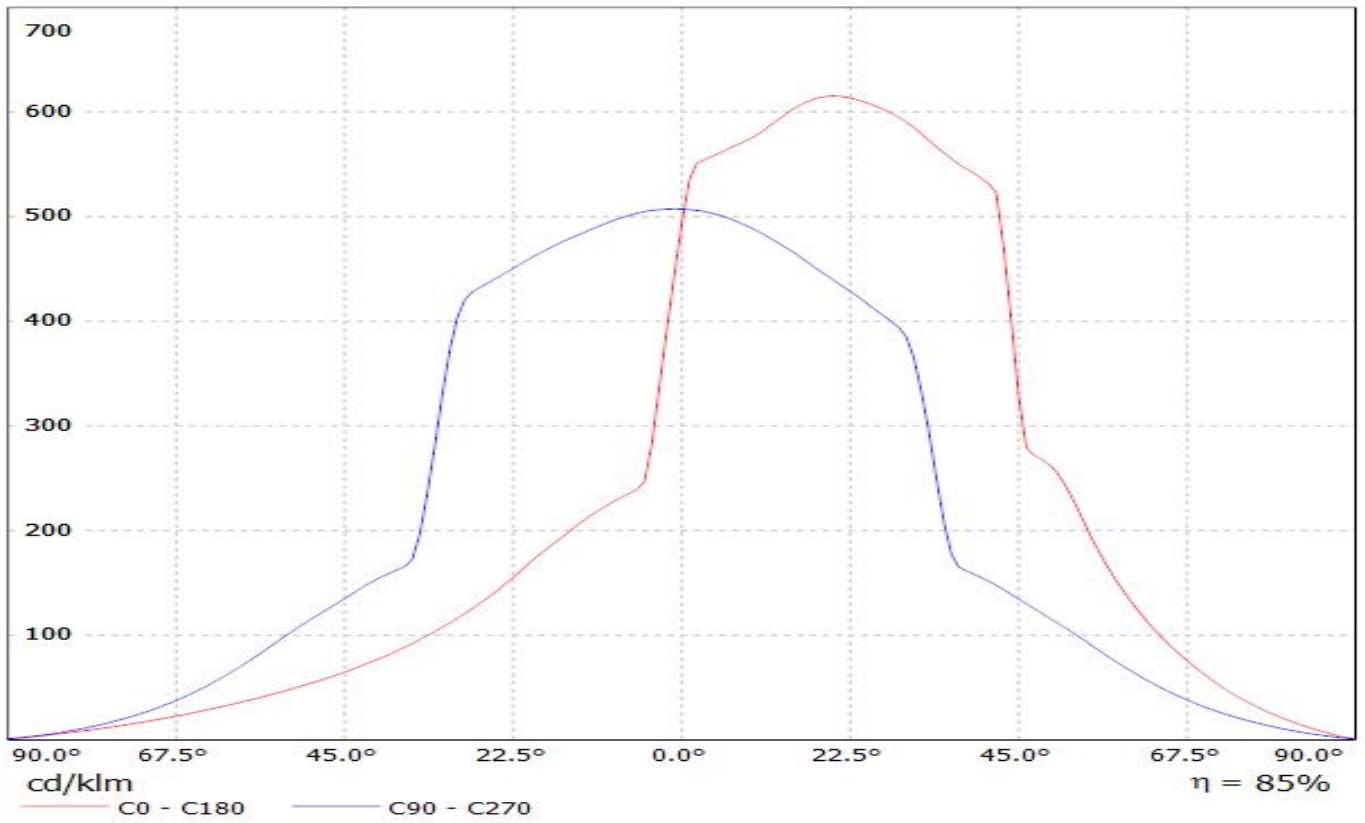
<b>SIZE</b> A4	<b>DRAWING NUMBER</b> C12516	<b>REV</b> 1
<b>SCALE</b> 2:1	<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1

D

A

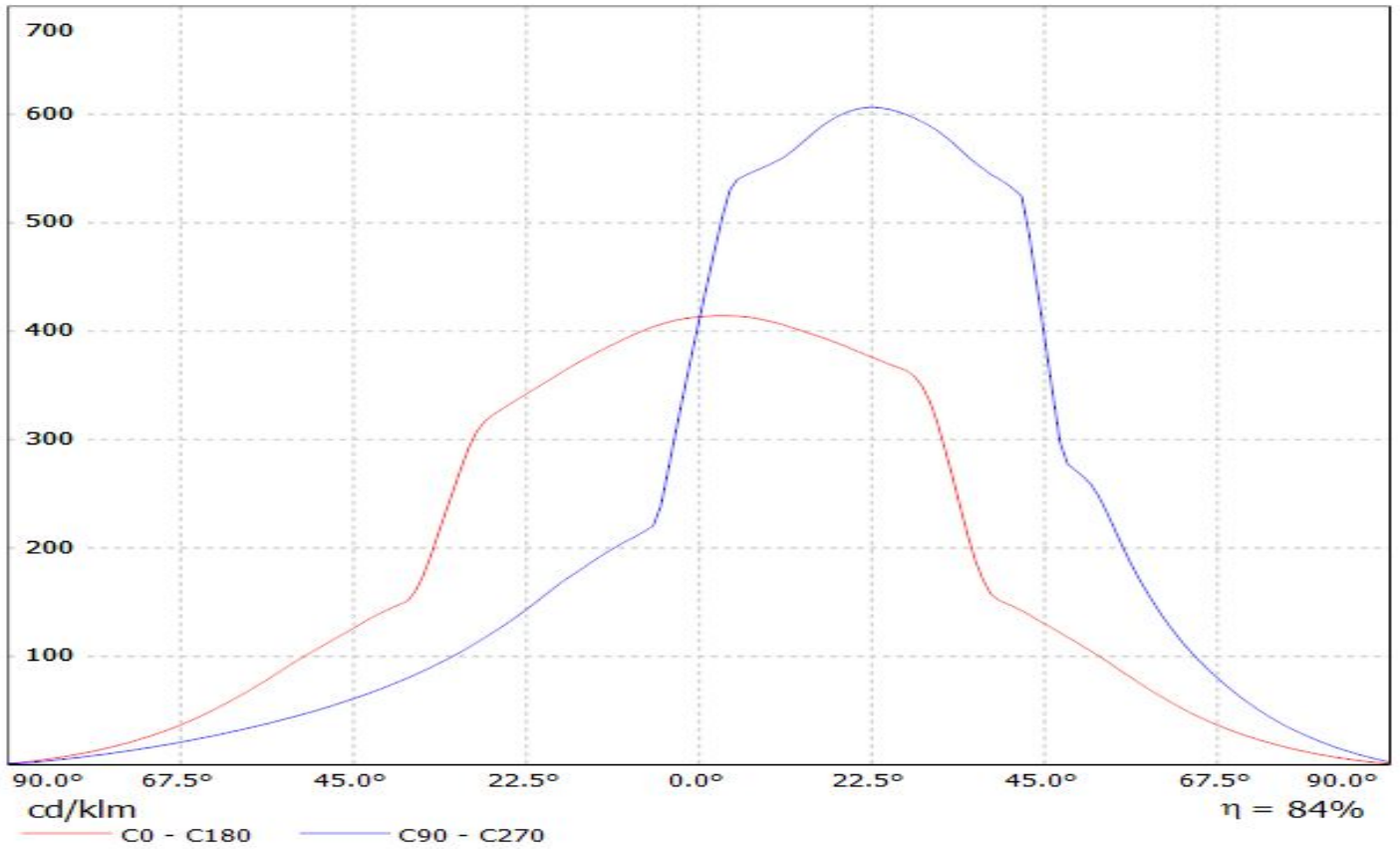
**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5% / LDC (Linear)**

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

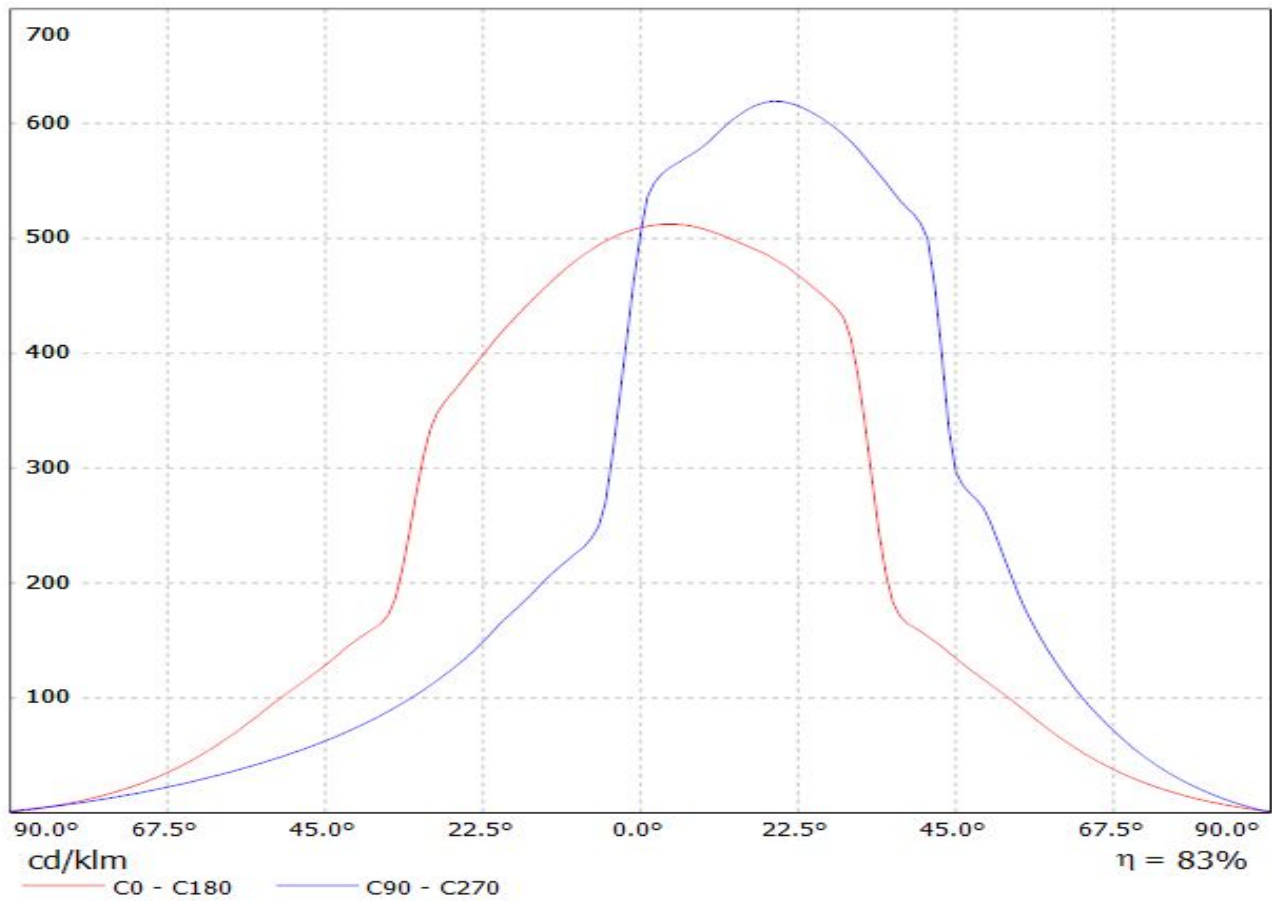


**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XM-L) Eff.83.7% / LDC (Linear)**

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

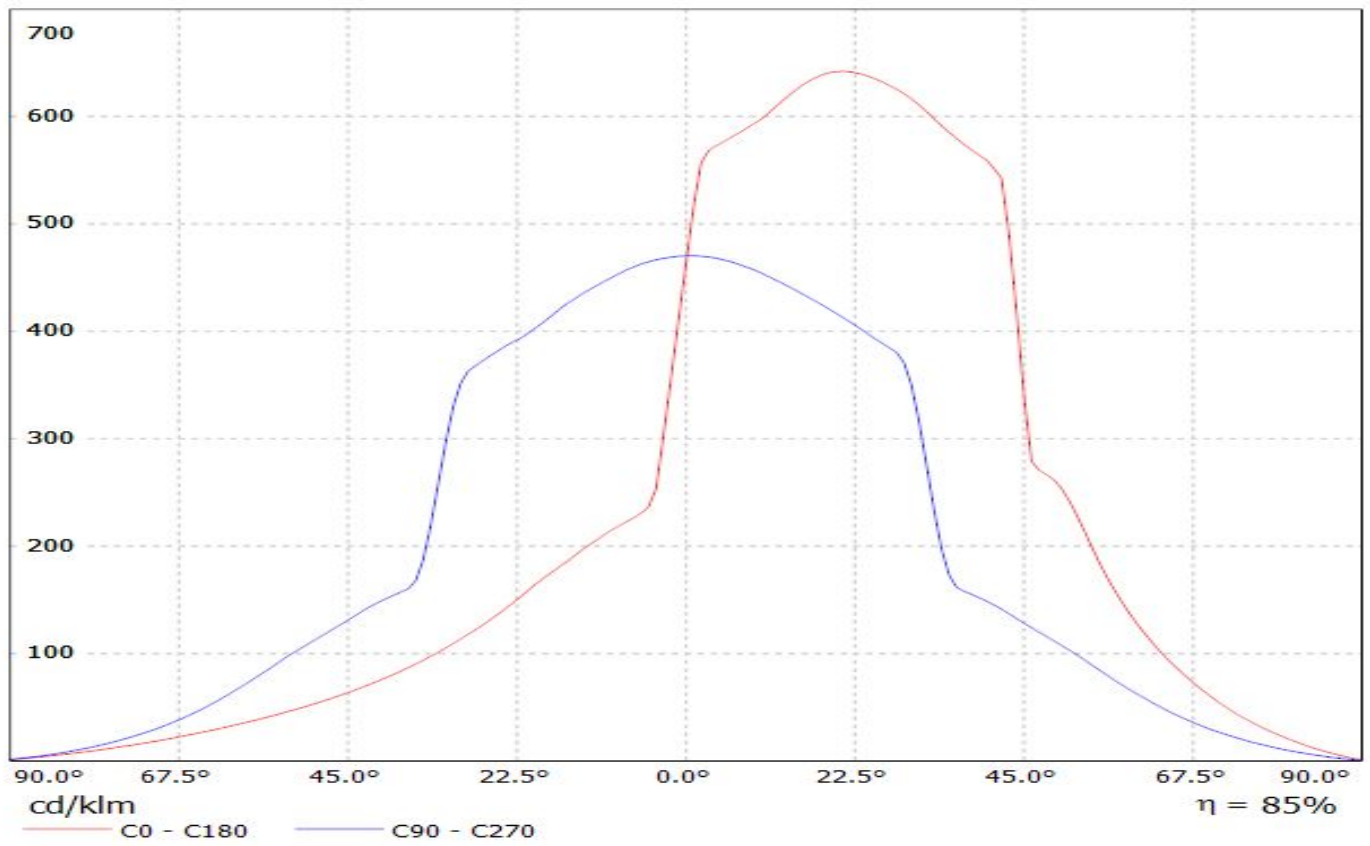


Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(XT-E) Eff.83.4%  
Lamps: 1 x XT-E (99.7728lm@250mA)



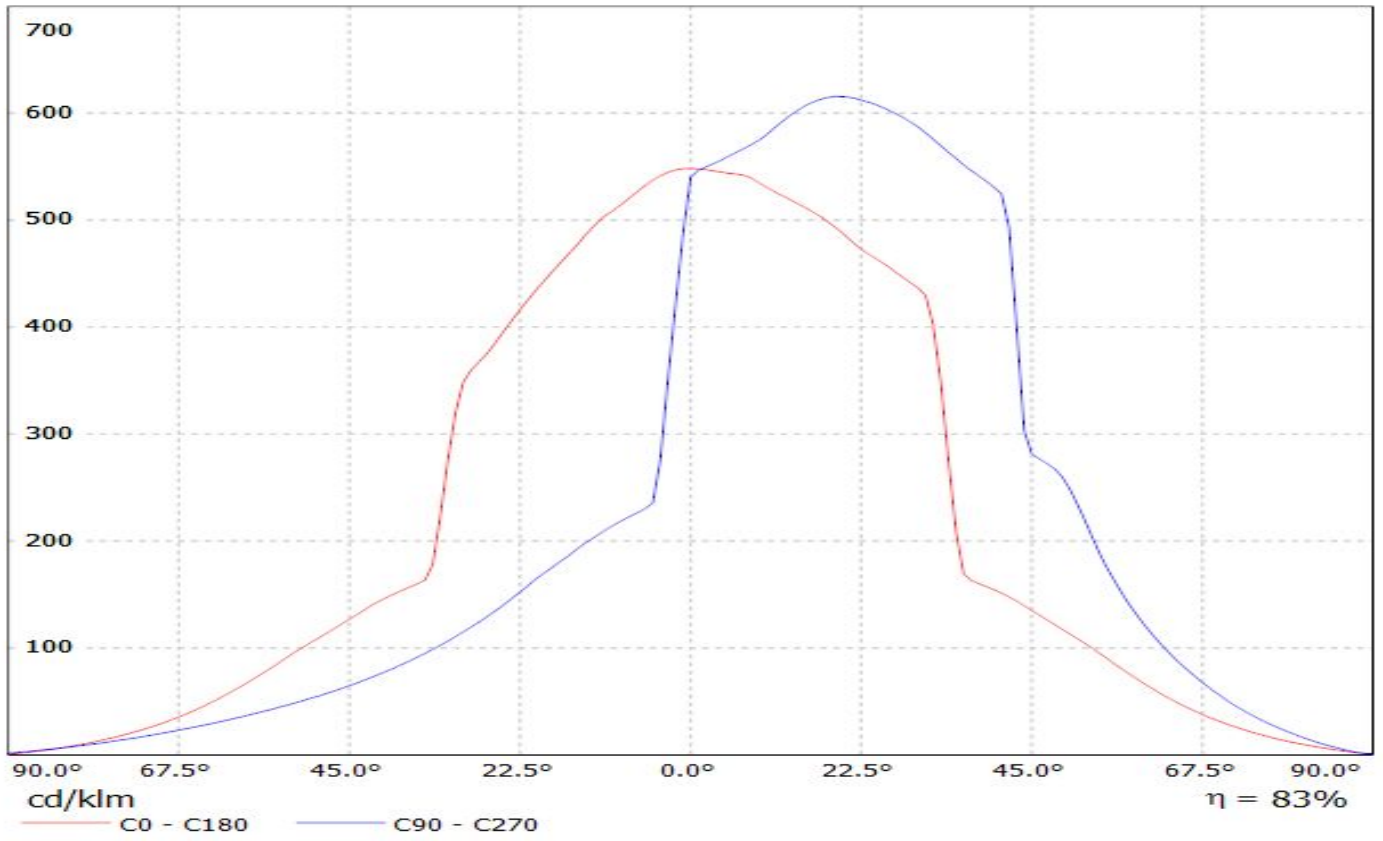
**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25% / LDC (Linear)**

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

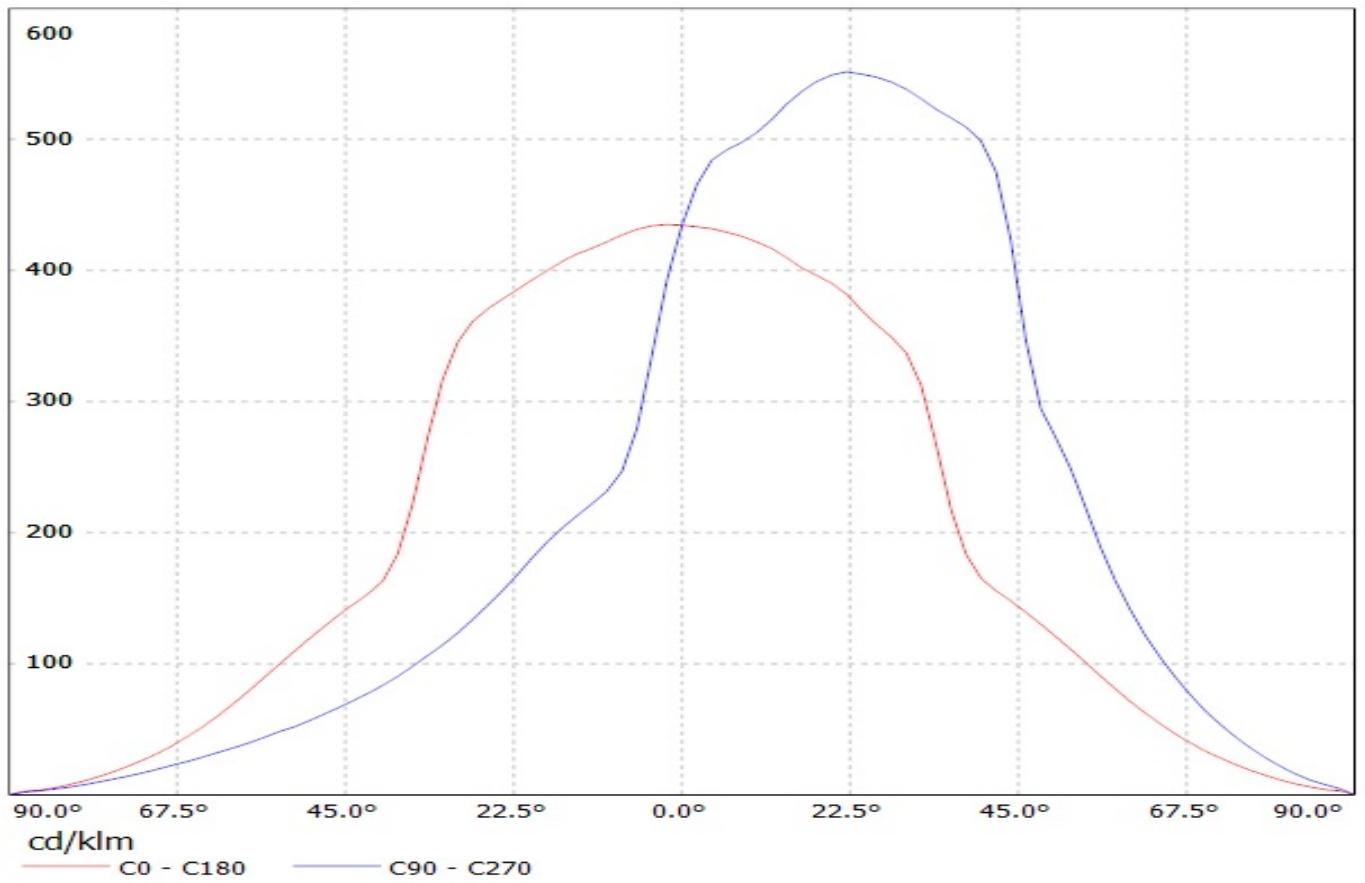


**LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-E) Eff.83.5% / LDC (Linear)**

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

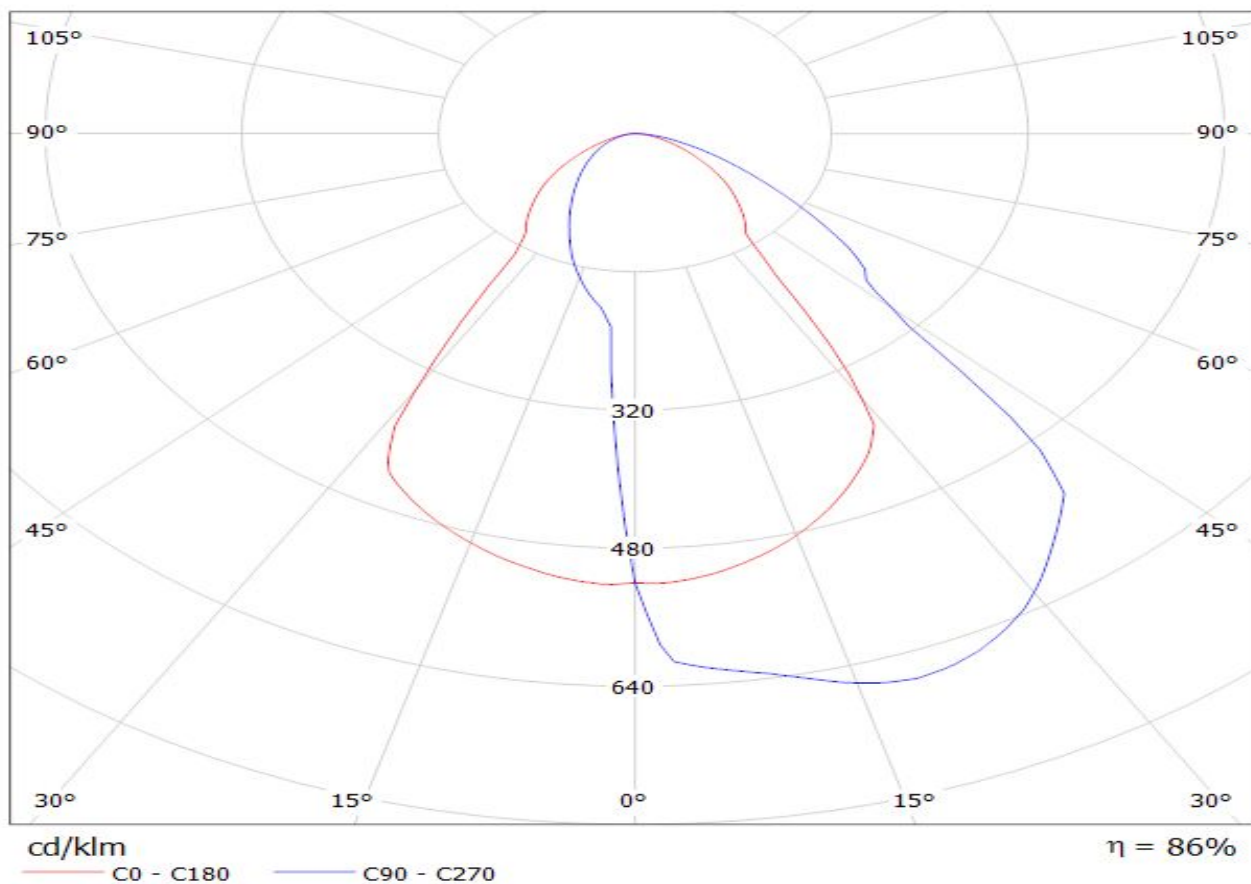


Luminaire: LEDil Oy C12516\_RITA-WAS\_(XM-L2) Efficiency=83%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA



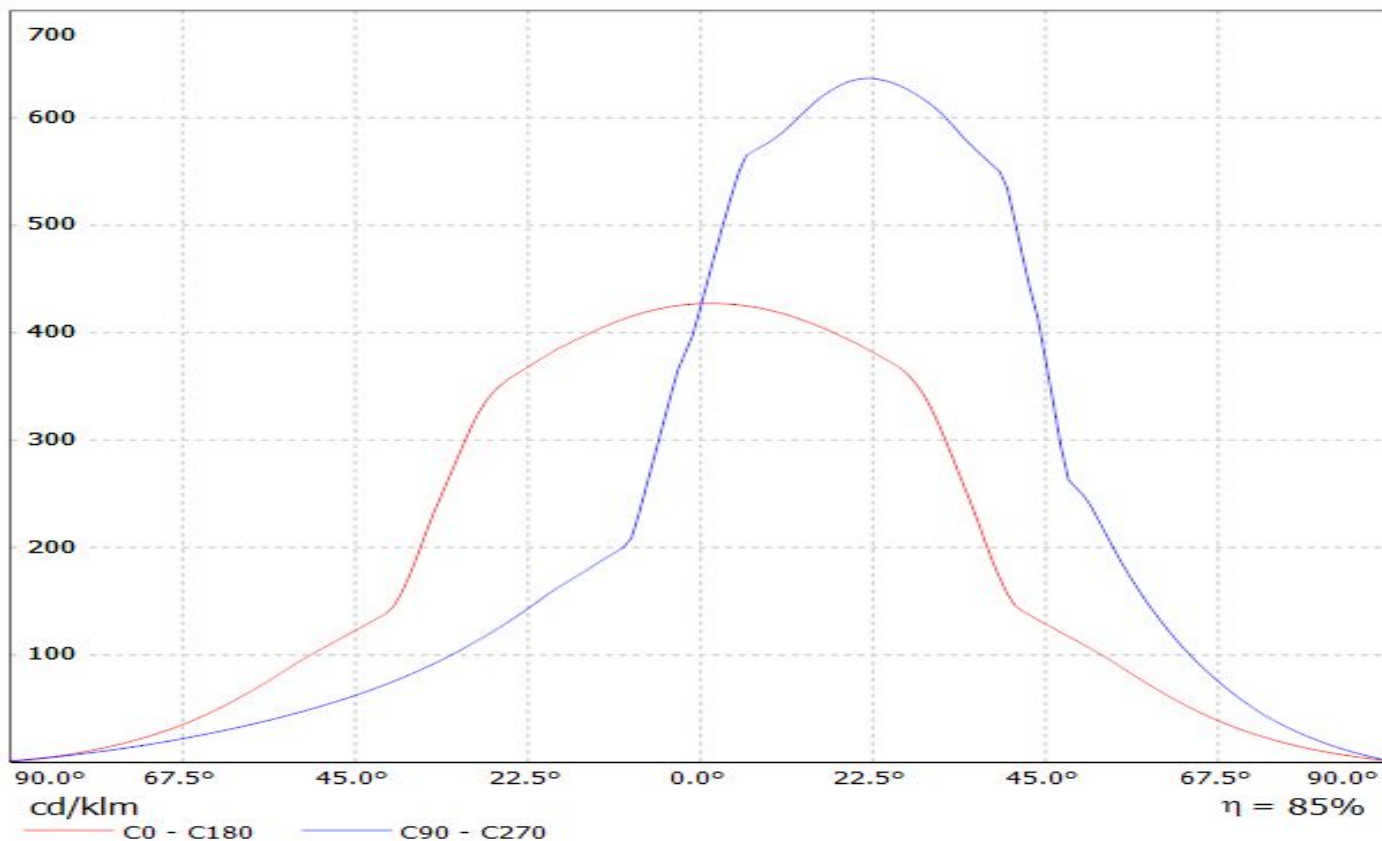


Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(Luxeon-A) Eff.85.8%  
Lamps: 1 x LUXEON\_A (60.4142lm@250mA)

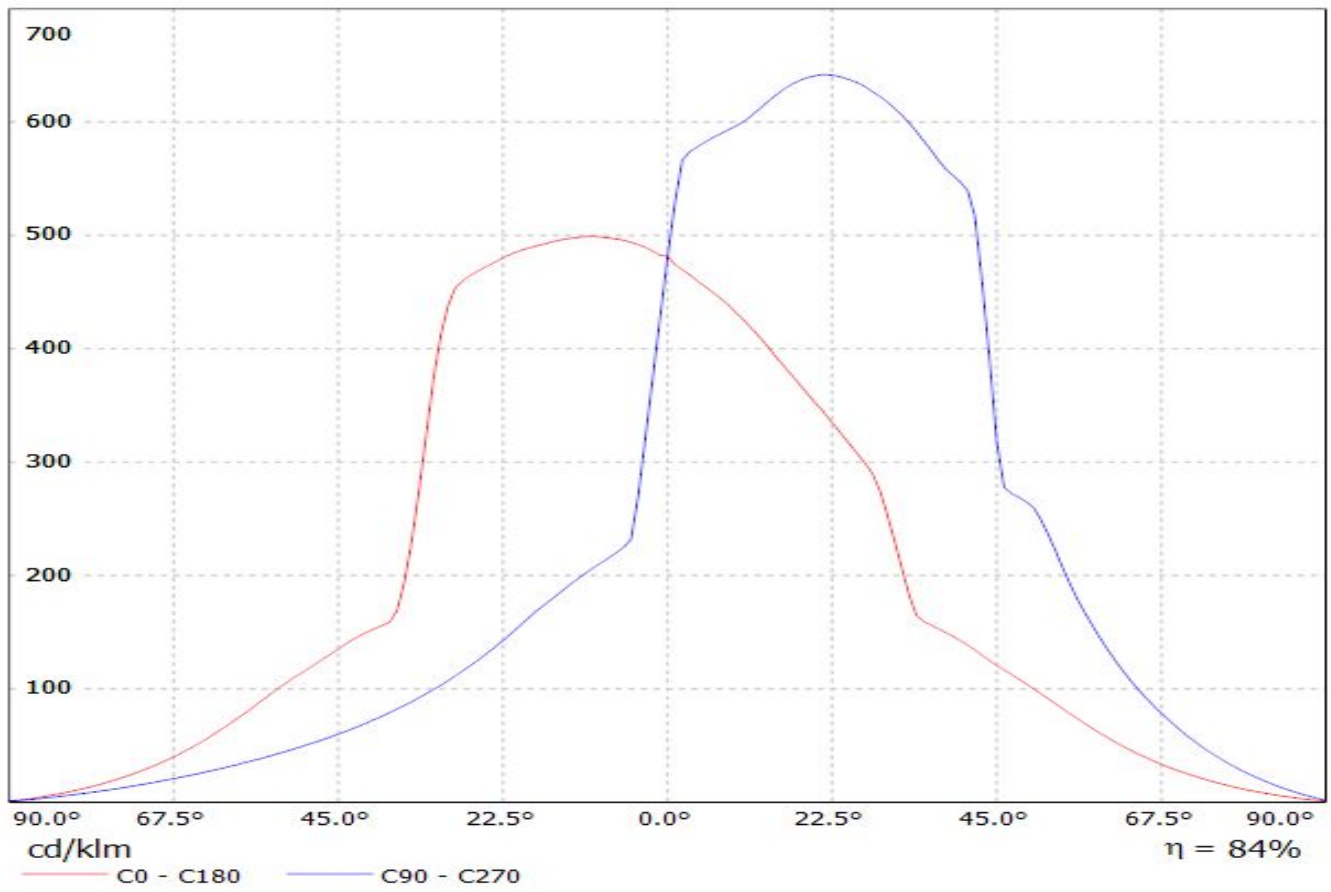


**LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85% / LDC (Linear)**

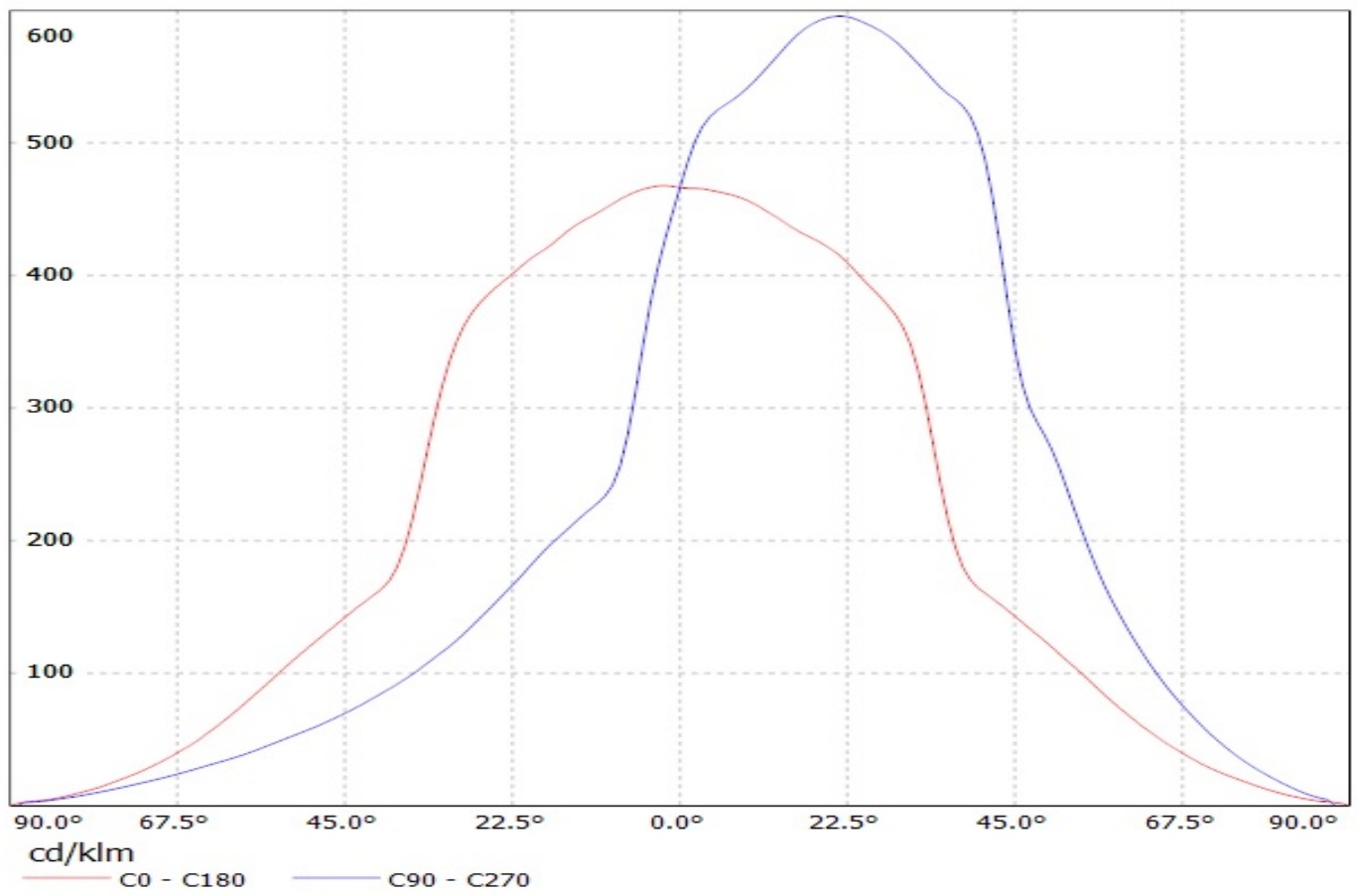
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(Luxeon\_M) Eff.85%  
Lamps: 1 x Luxeon M (361.96lm@250mA)



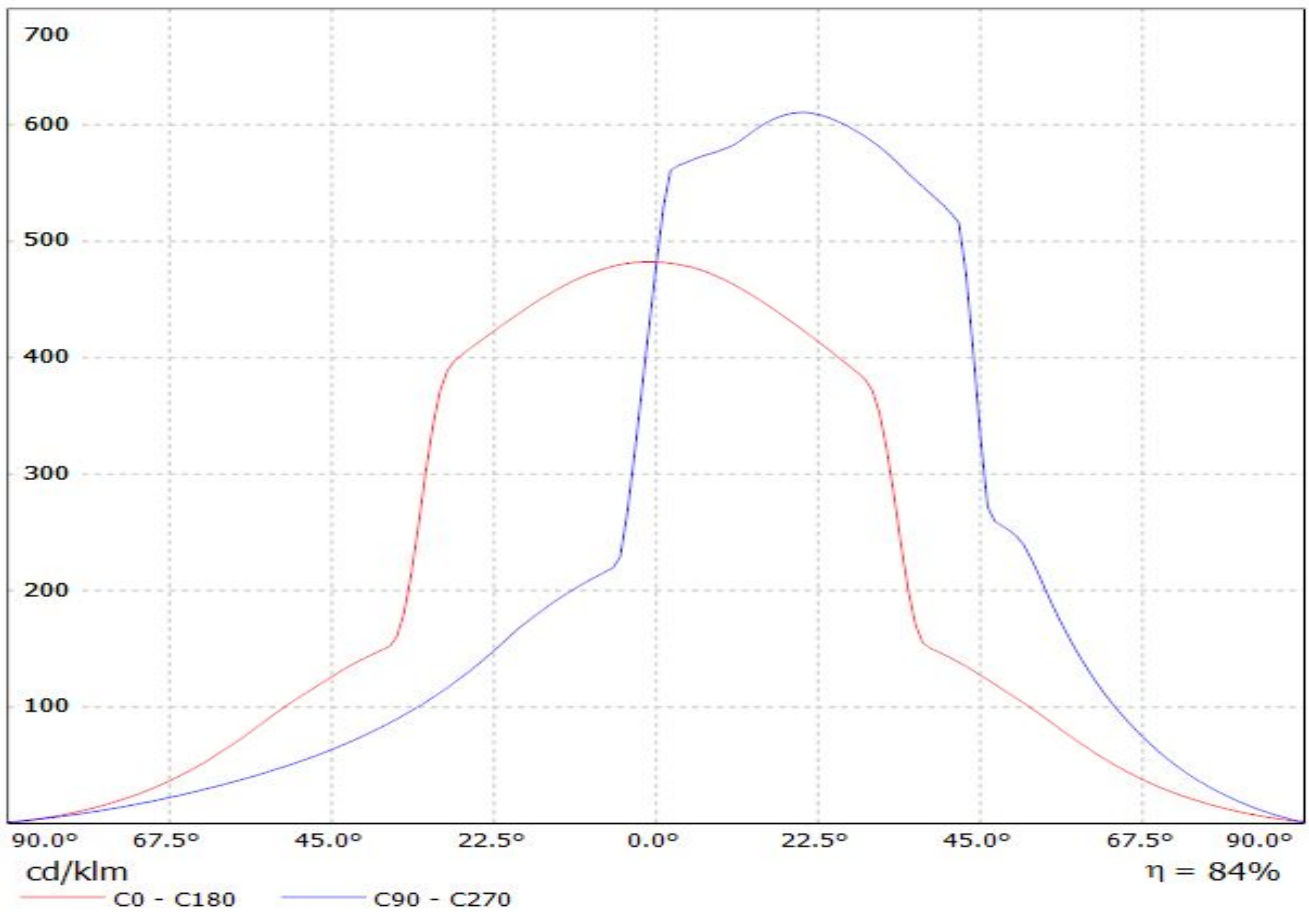
Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(LUXEON\_T) Eff.84%  
Lamps: 1 x LUXEON T (70lm@250mA)



Luminaire: LEDil Oy C12516\_RITA-WAS\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

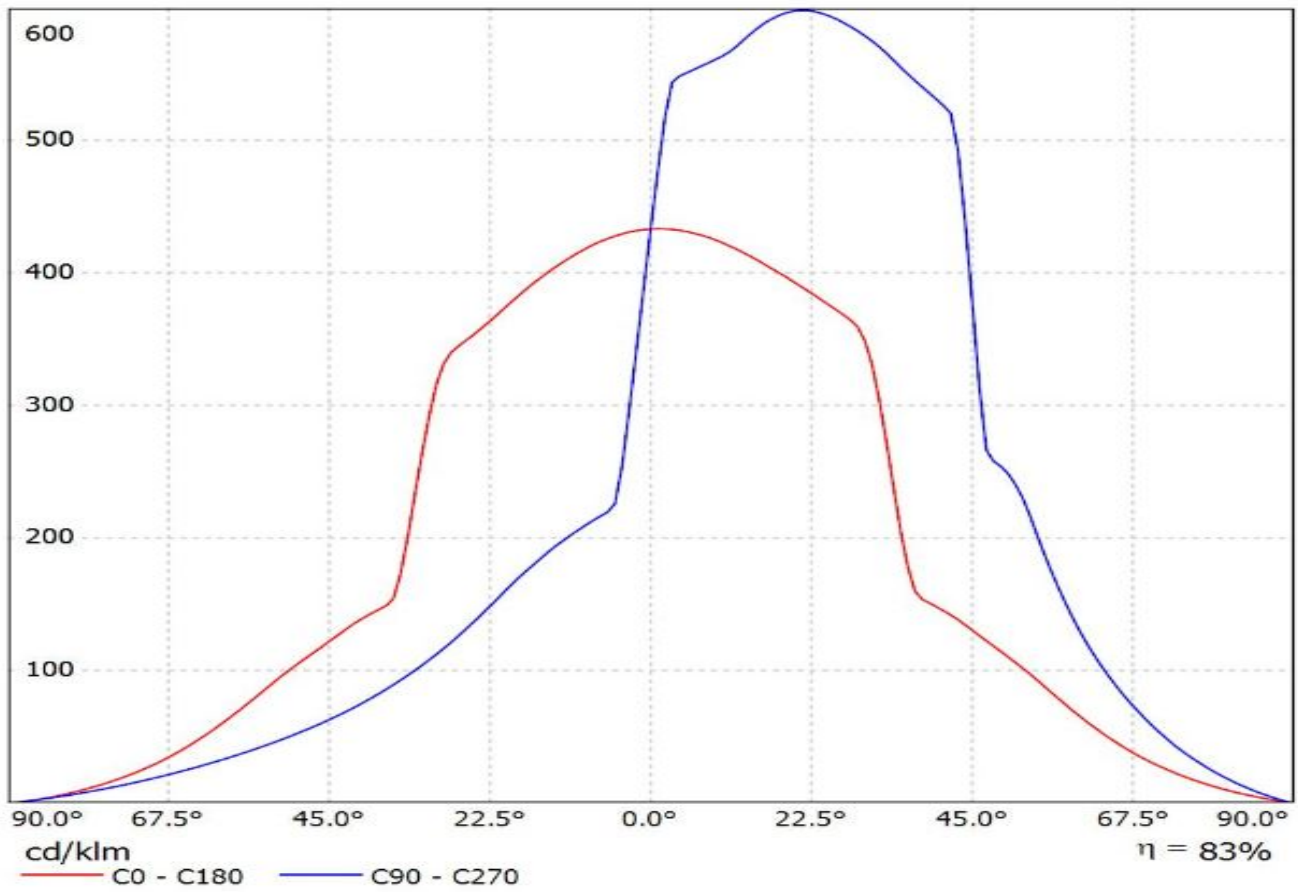


Luminaire: LEDiL Oy C12516\_RITA-WAS\_(Luxeon\_TX) Eff.83.9%  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.1801lm@250mA\_CCT=3500K\_P=0.731482W\_I=249.9mA

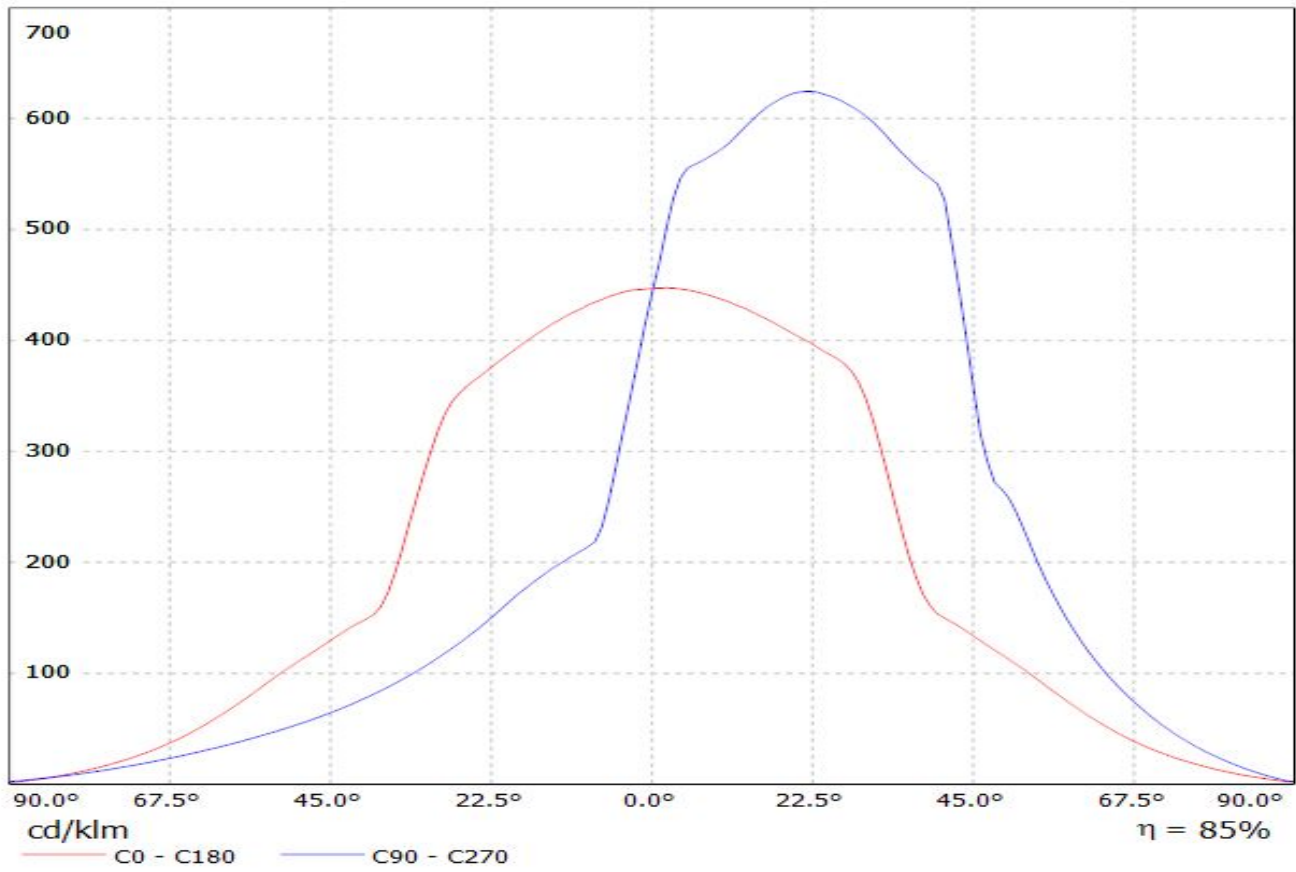


Luminaire: LEDiL Oy C12516\_RITA-WAS\_(NVSL219CE)

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

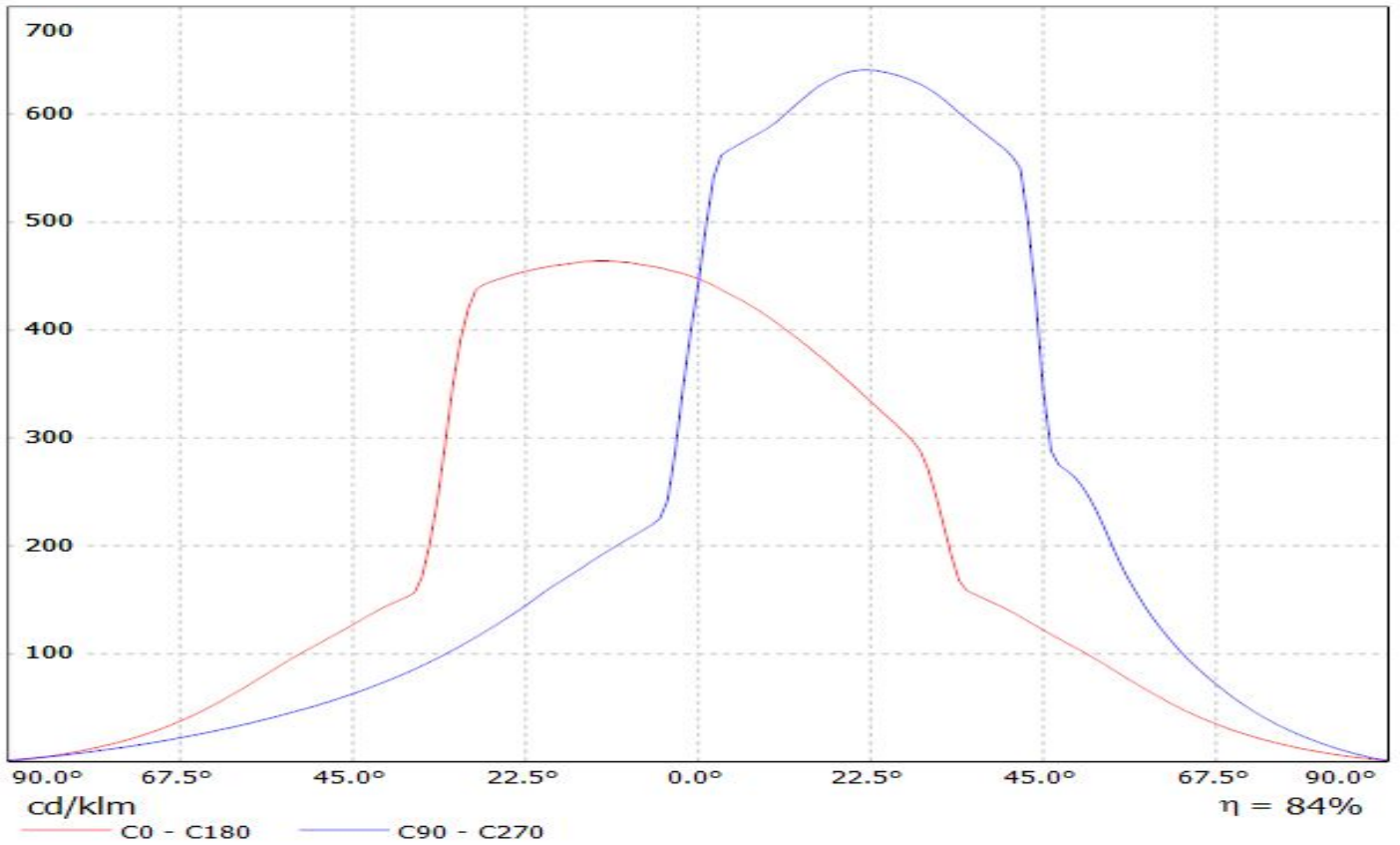


Luminaire: LEDiL Oy C12516\_RITA-WAS\_(NS9x383) Eff. 84,8%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



**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)

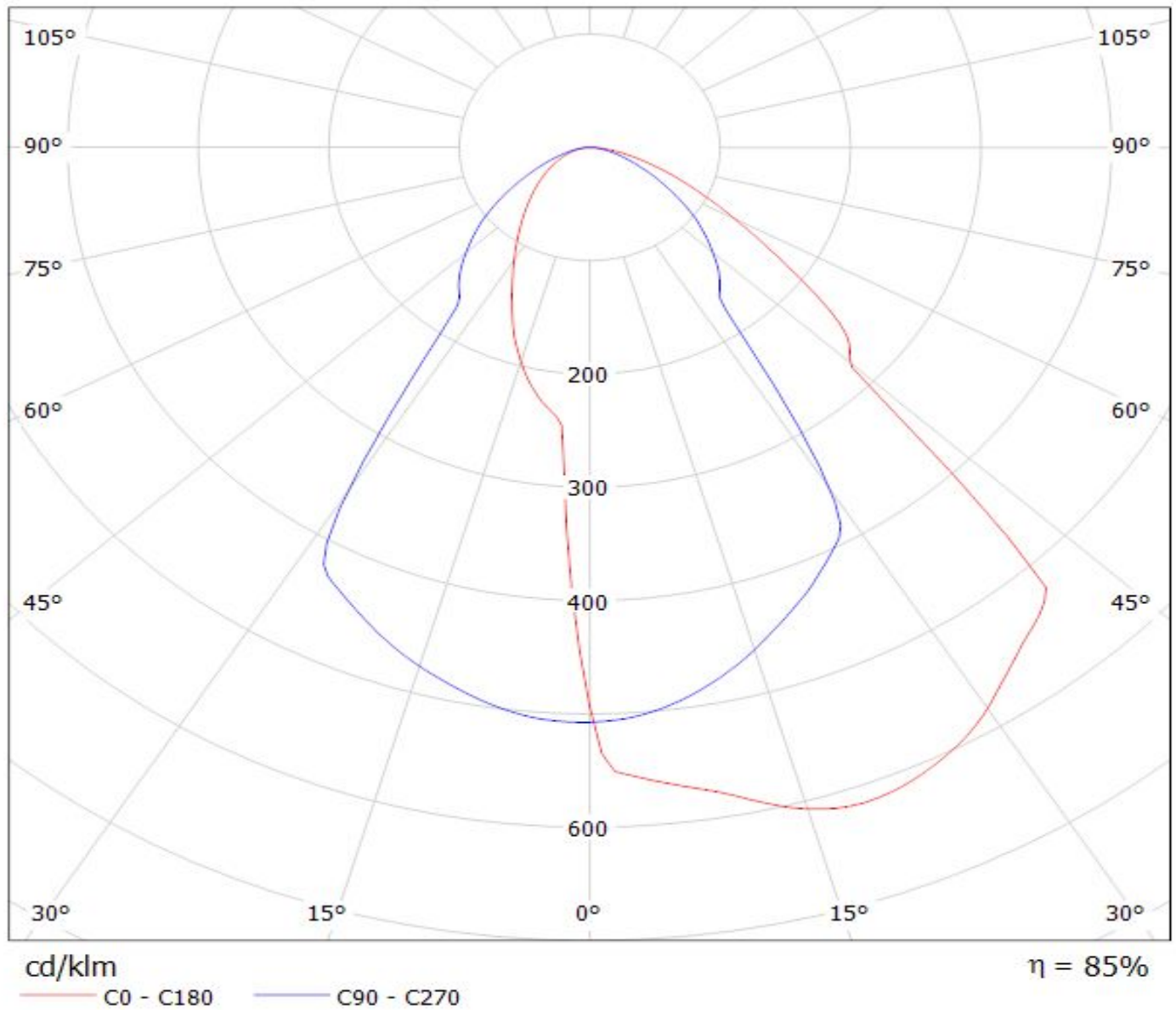




# LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G) Eff85.5% / LDC (Polar)

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

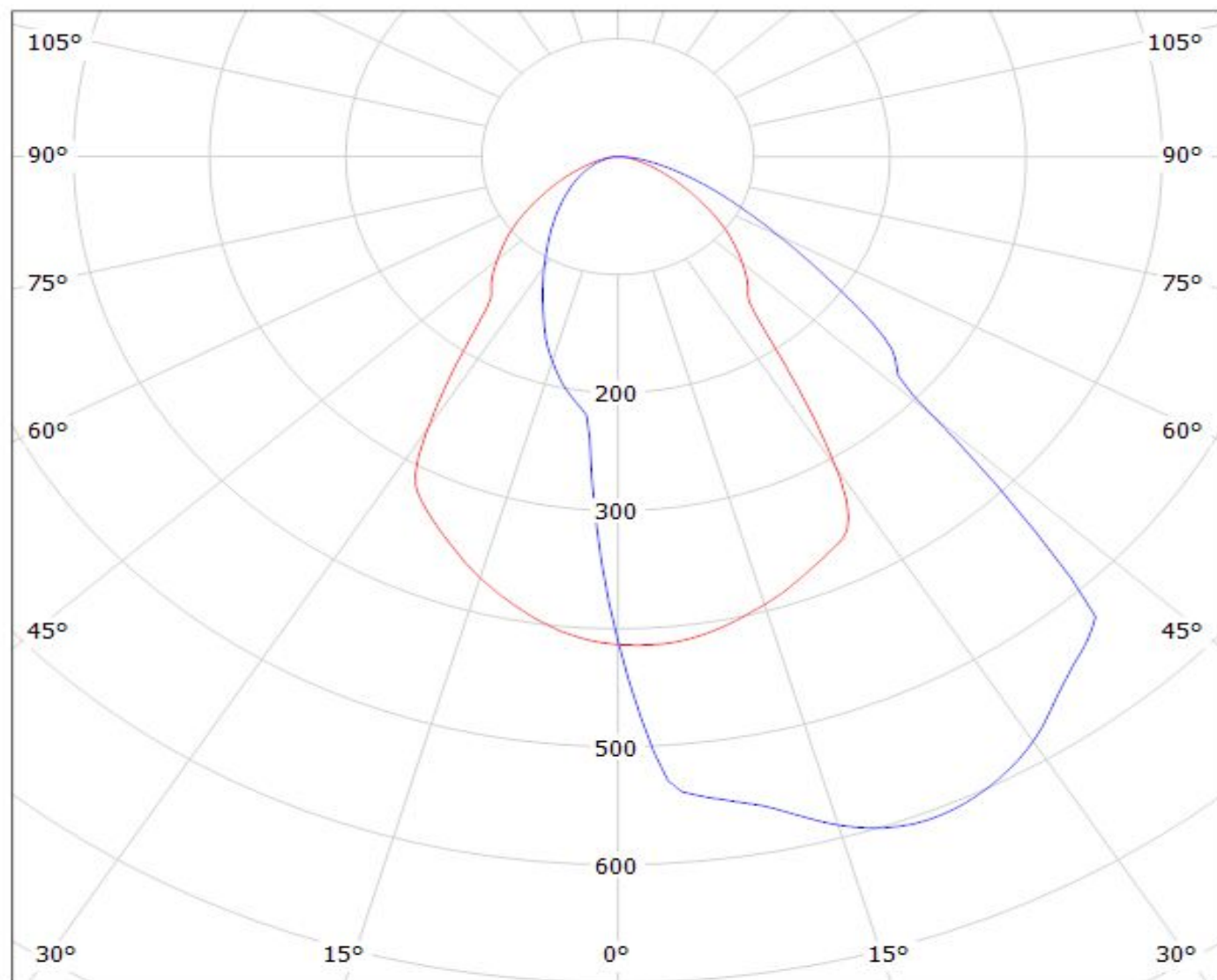
Lamps: 1 x XP-G (70.0094lm@250mA)



# 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)



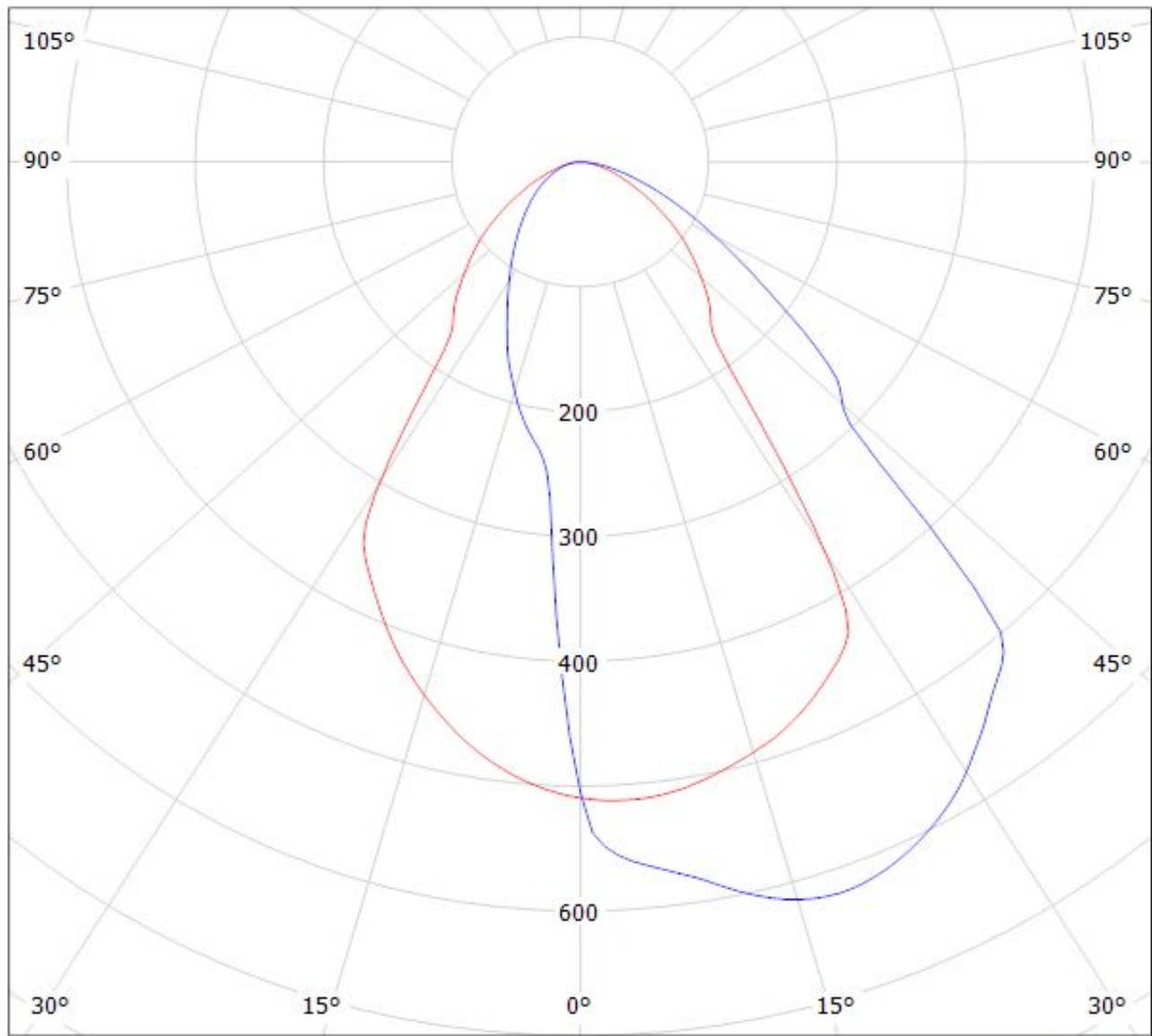
cd/klm

— 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)



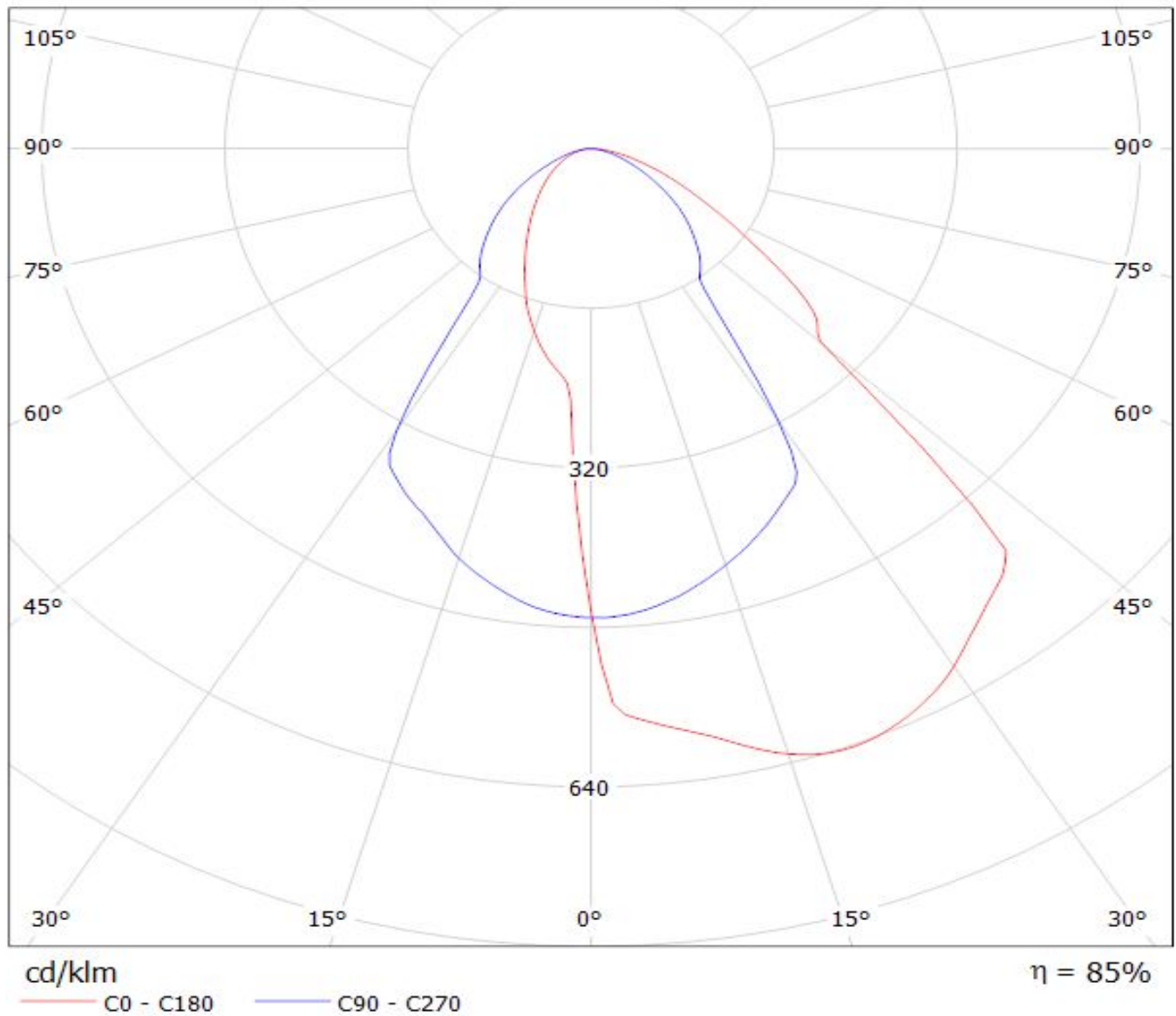
cd/klm

$\eta = 83\%$

— C0 - C180    — C90 - C270

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

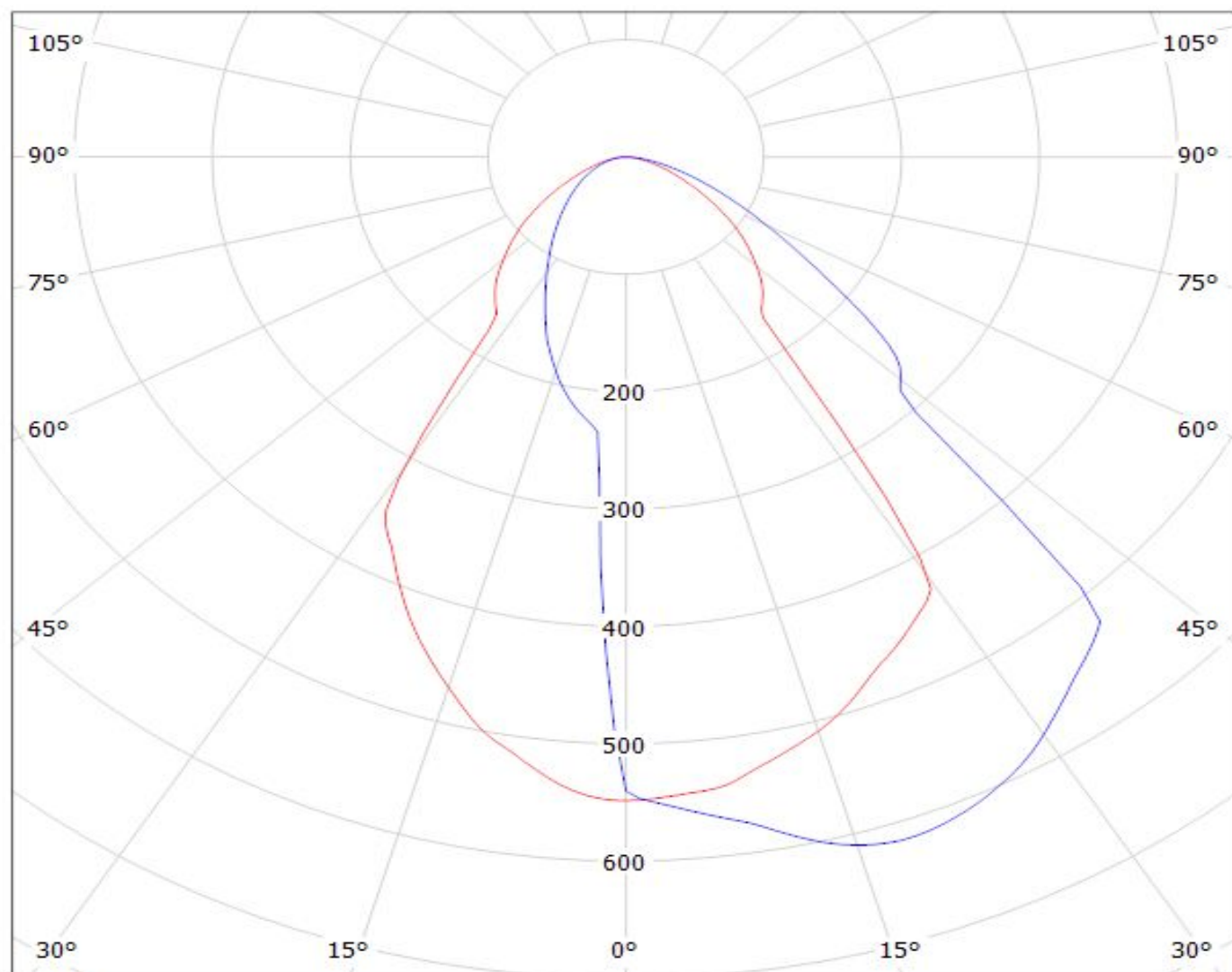
Luminaire: LEDiL Oy C12516/CA13177\_RITA-WAS\_(XP-G2) Eff.85.25%  
Lamps: 1 x XP-G2 (106.037lm@250mA)



# 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)



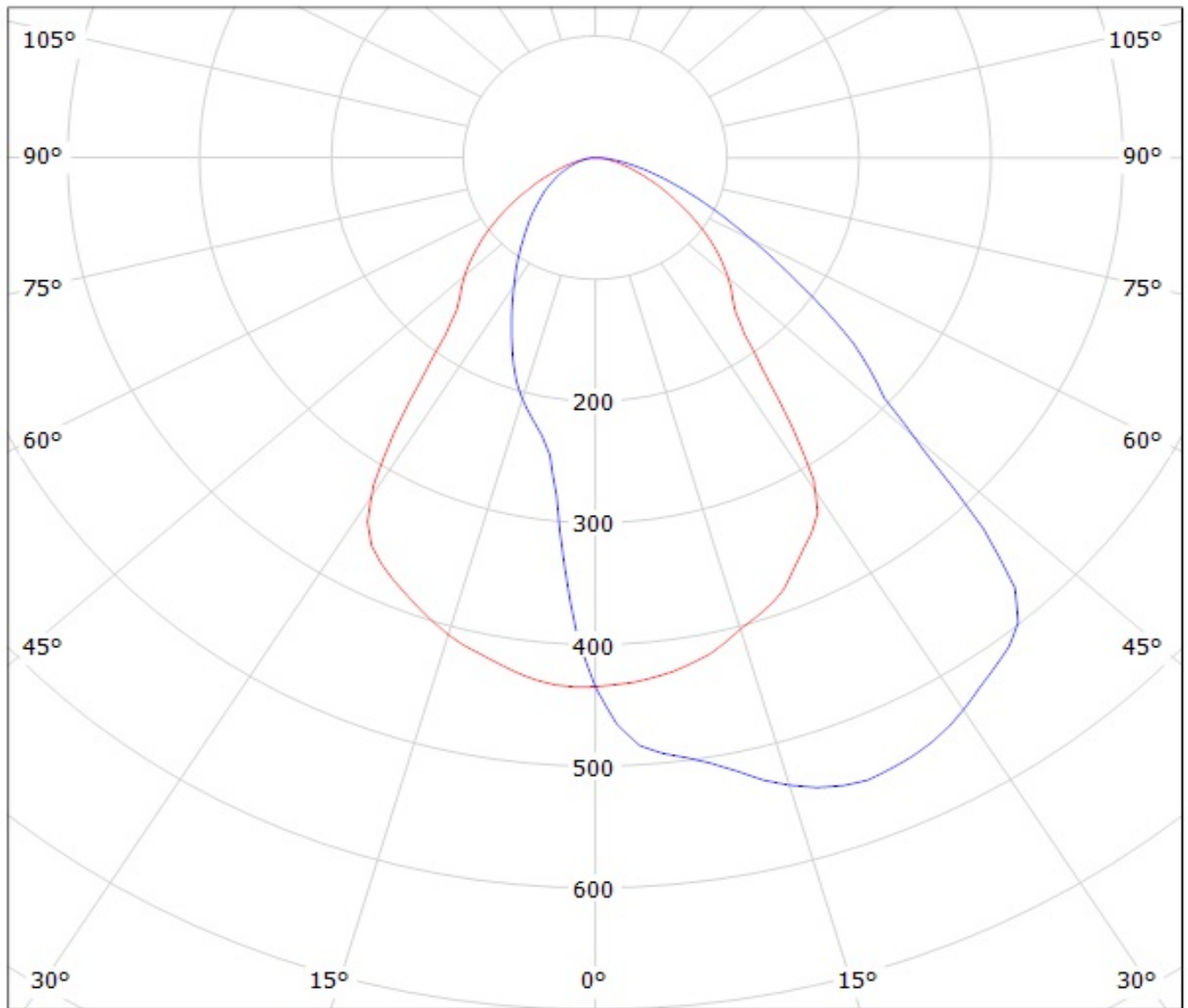
cd/klm

— C0 - C180

— C90 - C270

$\eta = 83\%$

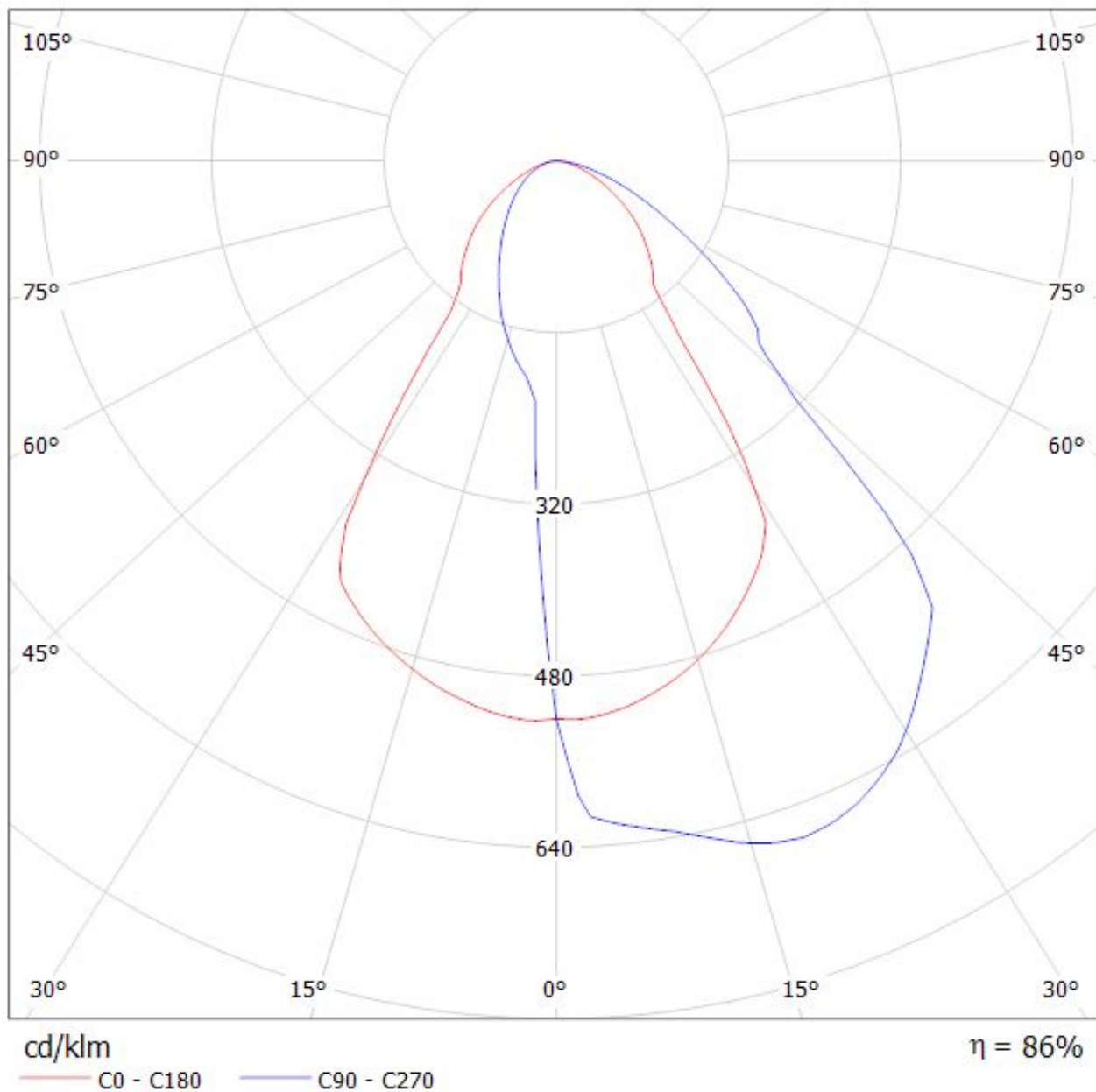
Luminaire: LEDil Oy C12516\_RITA-WAS\_(XM-L2) Efficiency=83%  
Lamps: 1 x Cree XM-L2 (100lm @ 250mA) P=0.7W I=250mA



cd/klm

— C0 - C180    — C90 - C270

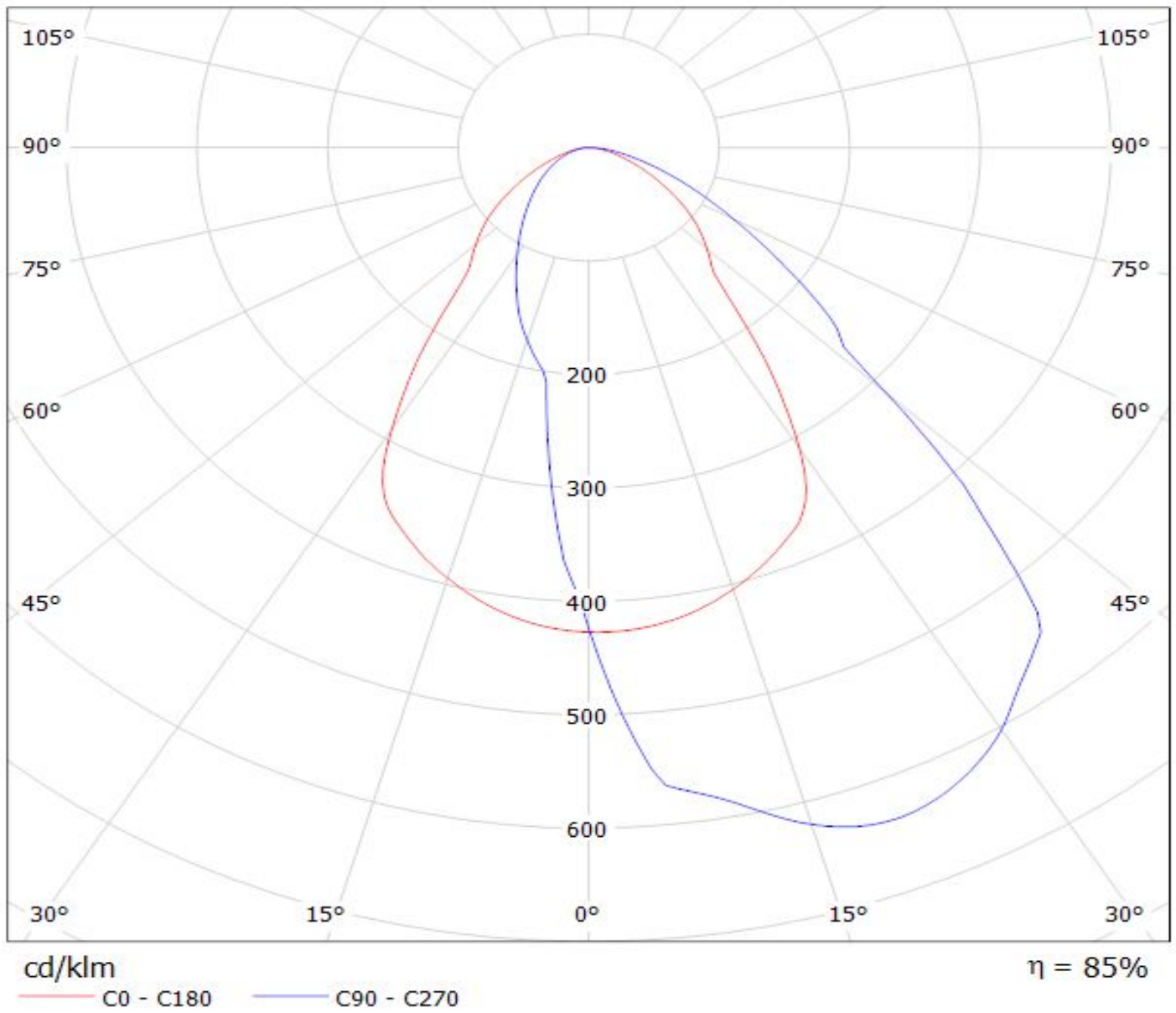
Luminaire: LEDiL Oy C12516&CA13177\_RITA-WAS\_(Luxeon-A) Eff.85.8%  
Lamps: 1 x LUXEON\_A (60.4142lm@250mA)



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

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

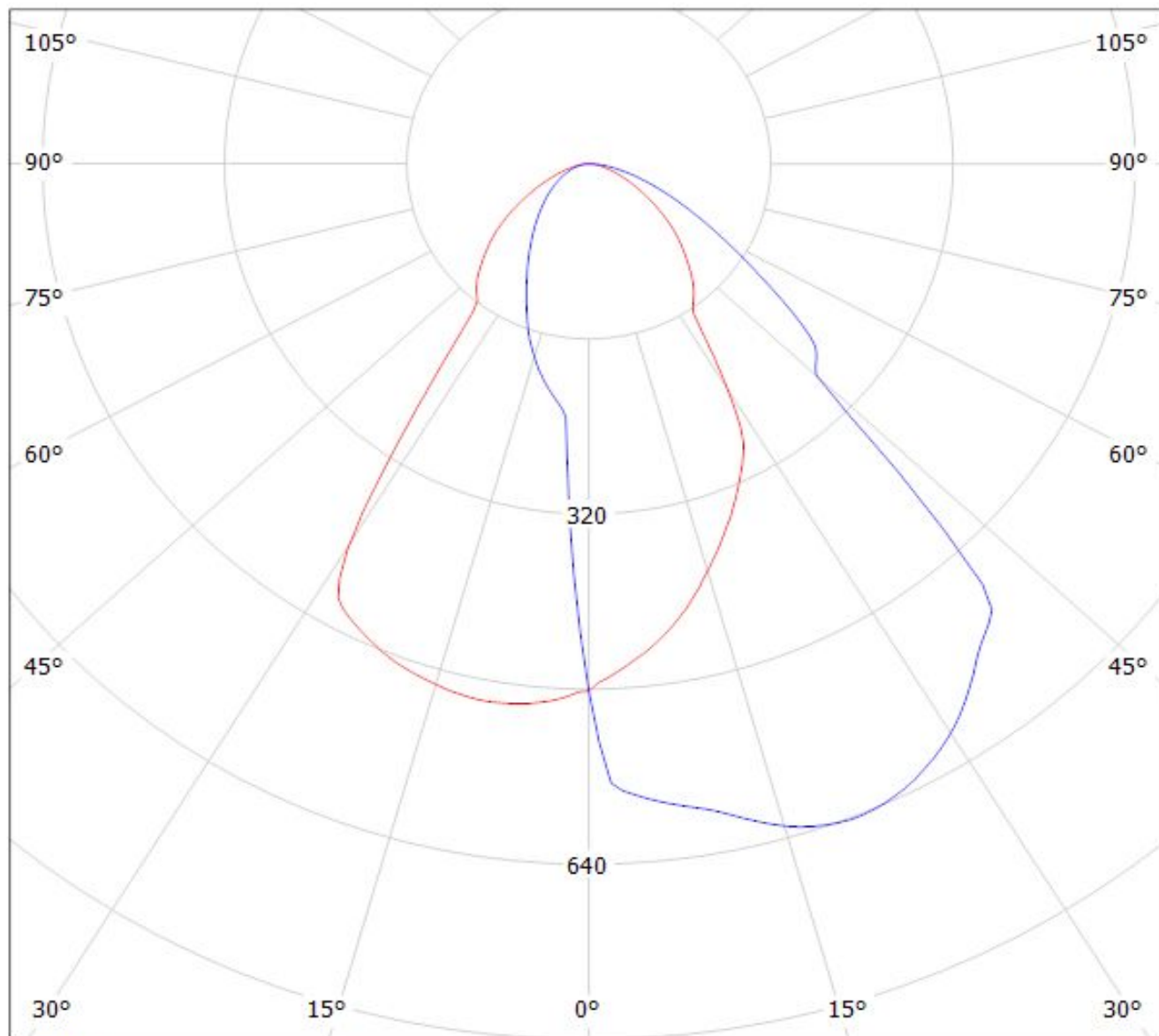
Lamps: 1 x Luxeon M (361.96lm@250mA)





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

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



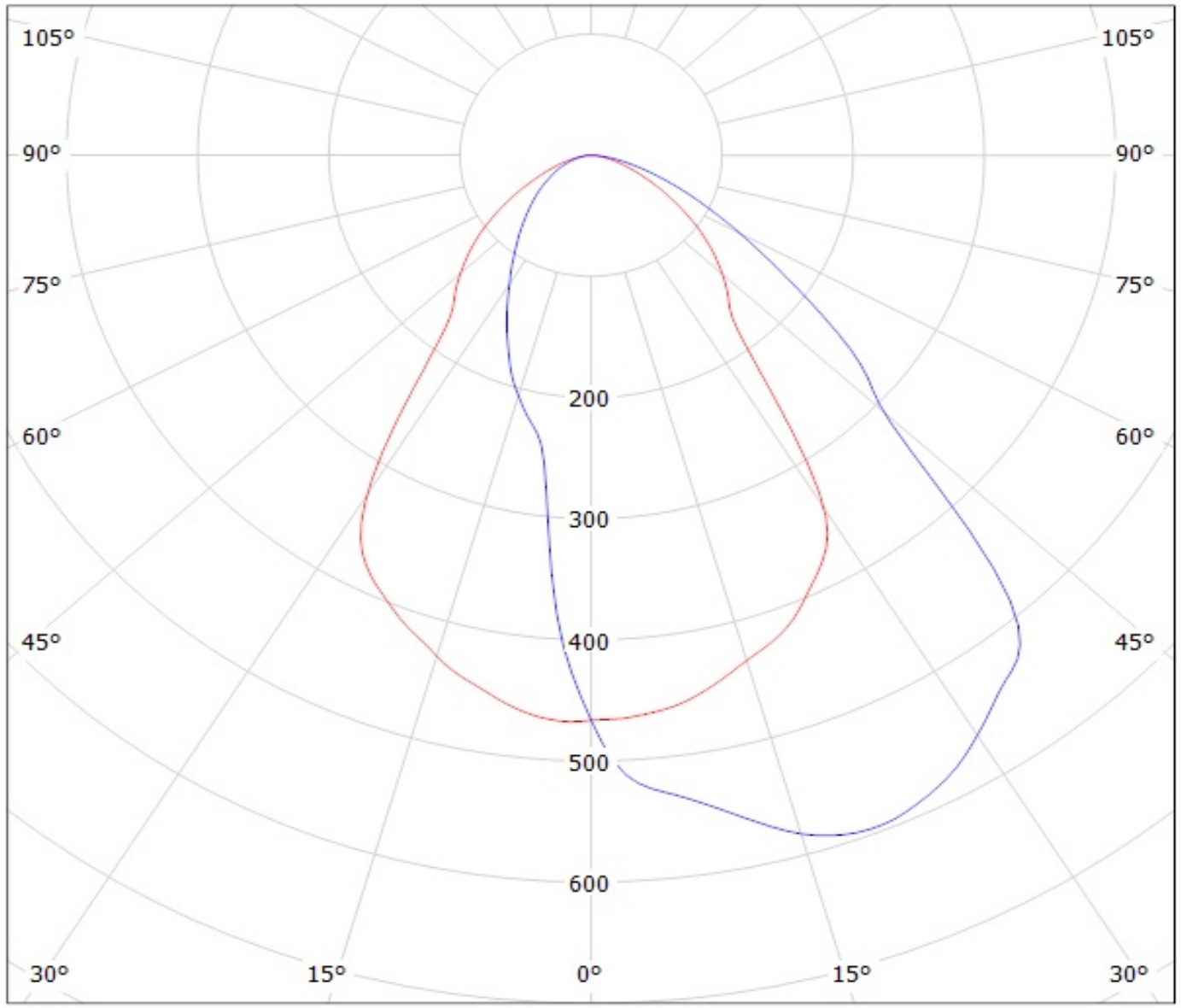
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

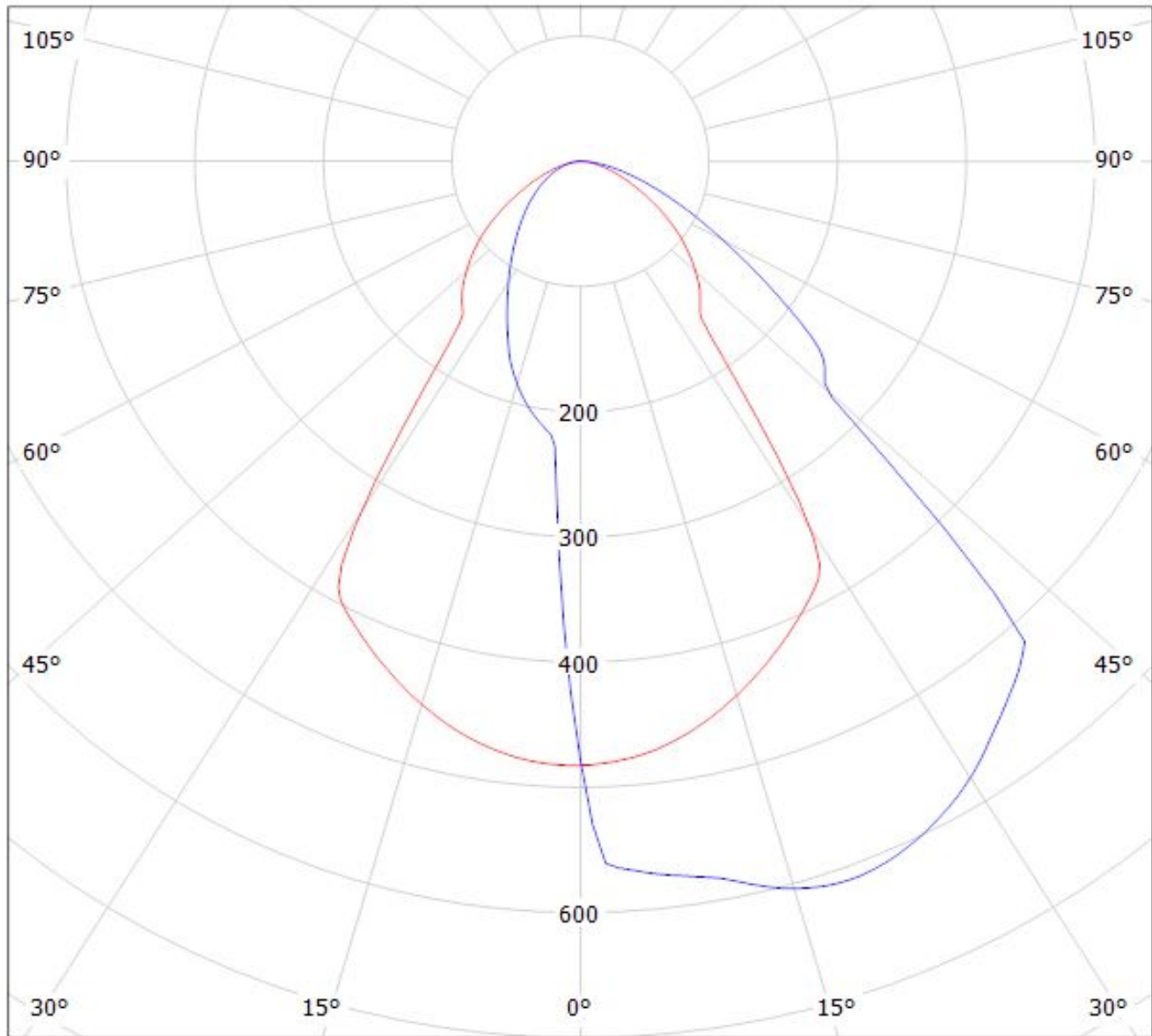
Luminaire: LEDil Oy C12516\_RITA-WAS\_(Luxeon\_MZ) Efficiency=84%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C12516\_RITA-WAS\_(Luxeon\_TX) Eff.83.9%

Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.1801lm@250mA\_CCT=3500K\_P=0.731482W\_I=249.9mA



cd/klm

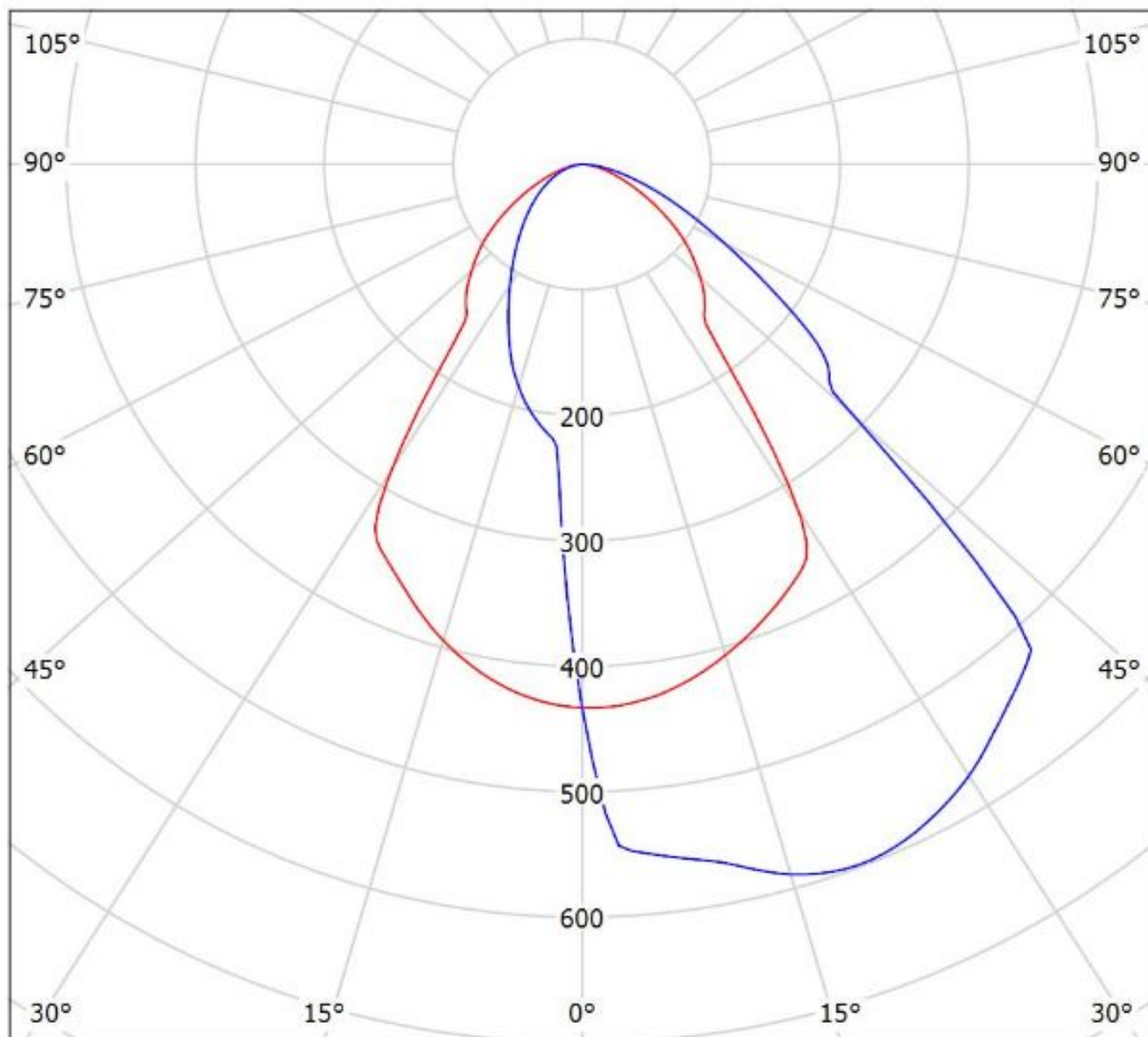
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy C12516\_RITA-WAS\_(NVSL219CE)

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



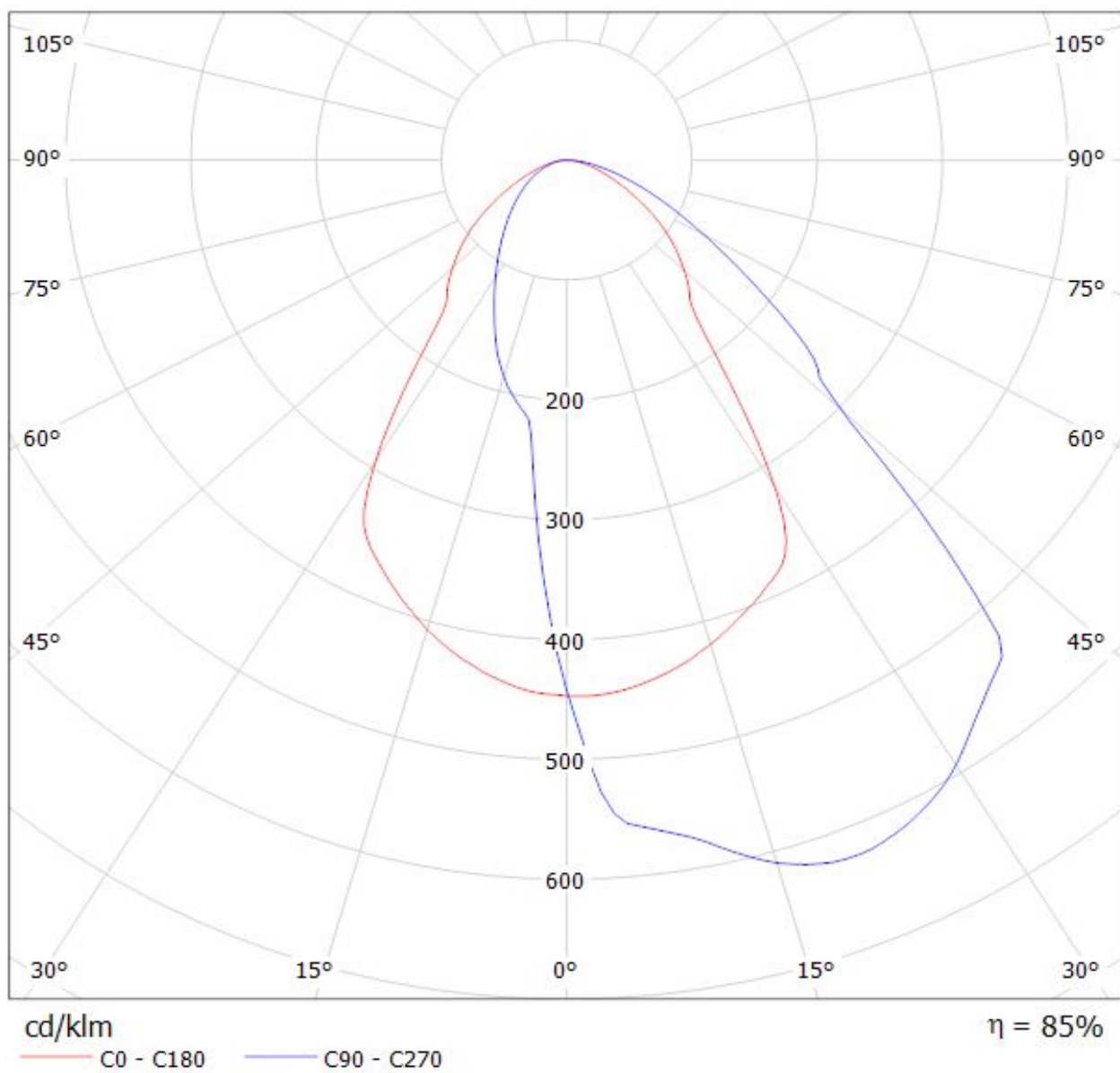
cd/klm

— C0 - C180

— C90 - C270

$\eta = 83\%$

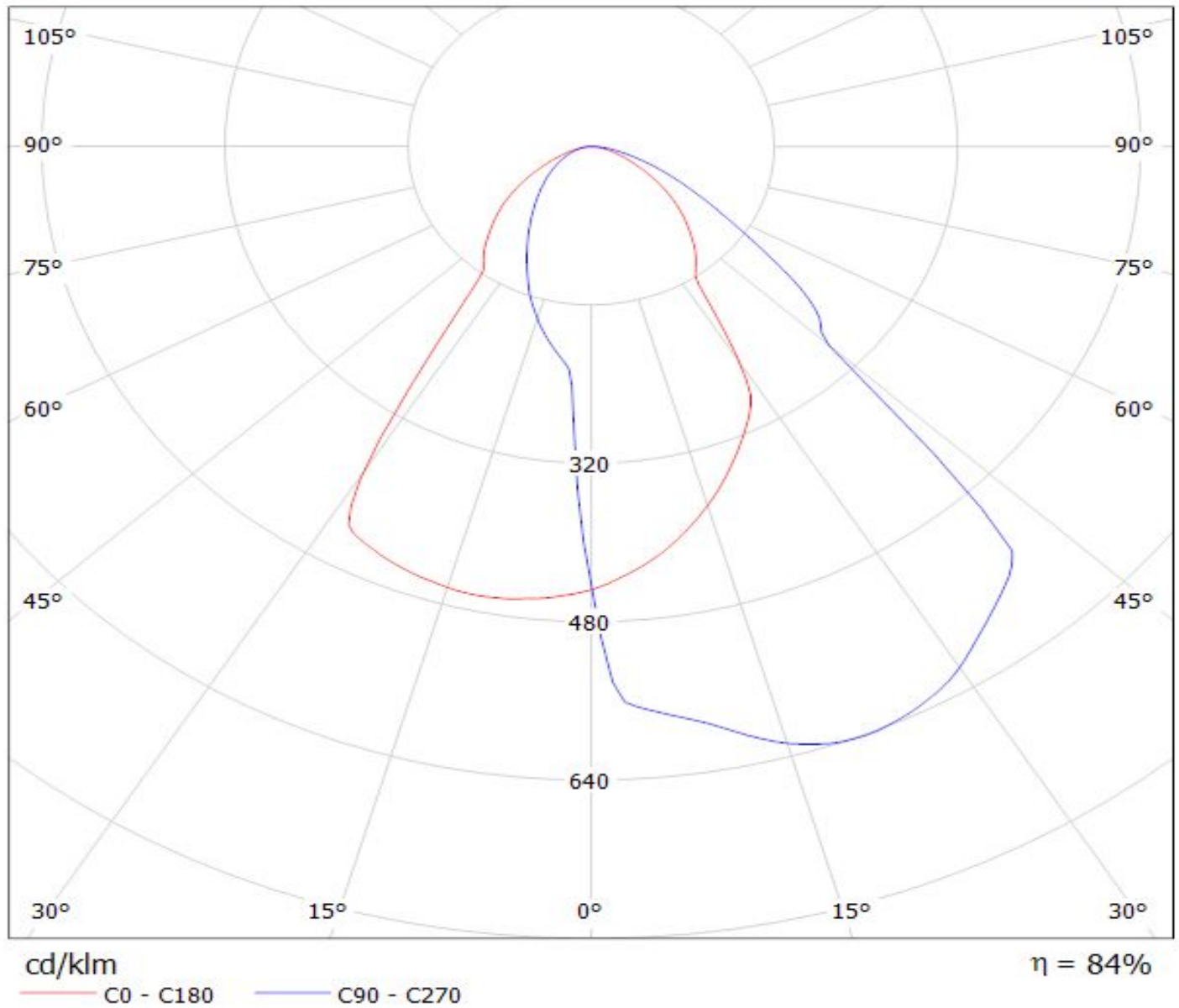
Luminaire: LEDiL Oy C12516\_RITA-WAS\_(NS9x383) Eff. 84,8%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



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