

## DETAILS

<b>Product Number</b>	CA12000_EMILY-O-WAS
<b>Family</b>	Emily
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	26 mm
<b>Height</b>	14,8 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	9/06/2016



## OPTICAL PROPERTIES

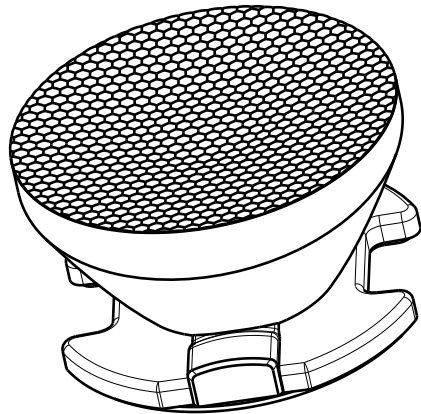
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	asymmetric deg	Asymmetric	87 %	-	-
XP-G	42+9 deg	Asymmetric	87 %	4.190	-
XP-L HI	asymmetric deg	Asymmetric	88 %	5.200	-
LUXEON Rebel ES	43+10 deg	Asymmetric	87 %	3.720	-
LUXEON Rebel	8+47 deg	Asymmetric	87 %	1.500	-
LUXEON A	43+10 deg	Asymmetric	87 %	3.760	-
LUXEON T	43+9 deg	Asymmetric	84 %	4.700	-
LUXEON H50-2	sim: Asymmetric	Asymmetric	sim: 90 %	sim: 5.300	-
LUXEON TX	asymmetric deg	Asymmetric	86 %	5.100	-
NVSxx19A	43+12 deg	Asymmetric	85 %	3.110	-
NVSxx19B/NVSxx19C	Asymmetric deg	Asymmetric	91 %	4.500	-
Oslon SSL 80	42+9 deg	Asymmetric	87 %	3.860	-
Oslon SSL 150	42+8 deg	Asymmetric	87 %	5.030	-
Oslon Square EC	sim: Asymmetric	Asymmetric	-	-	-
Z5M1/Z5M2	Asymmetric deg	Asymmetric	85 %	5.000	-

D

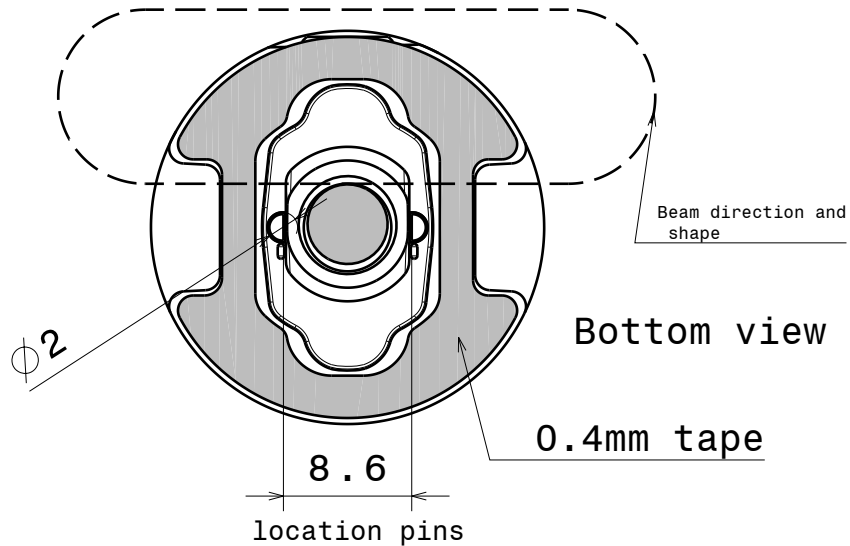
C

B

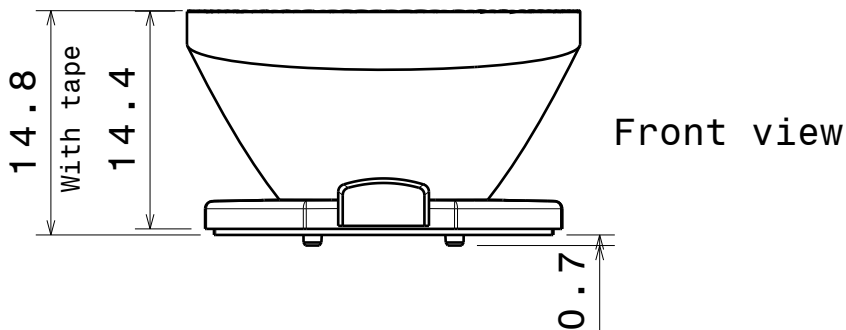
A



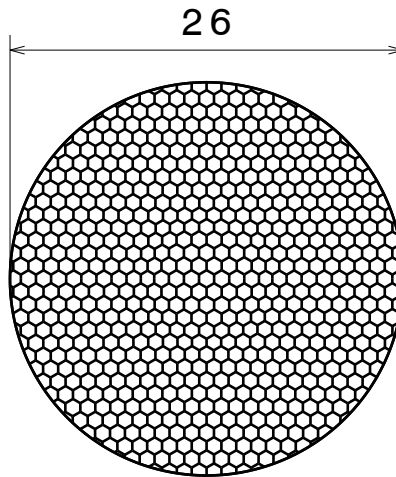
Isometric view



Bottom view



Front view



Top view

Part No.s:  
 CA11998\_EMILY-SS-WAS  
 CA12000\_EMILY-O-WAS  
 CA12797\_EMILY-O-WAS  
 CA12799\_EMILY-SS-WAS

Material: PMMA

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Ledil Oy  
 Salorankatu 10  
 2420 Salo  
 Finland

DRAWING TITLE

Datasheet Emily-was Assembly

DRAWN BY  
ah

DATE  
24.9.2013

CHECKED BY

DATE

SIZE  
A4

DRAWING NUMBER

REV  
1

DESIGNED BY  
hh

DATE  
25.01.2011

SCALE 2:1 WEIGHT (g)

SHEET 1/1

D

A

4

4

3

3

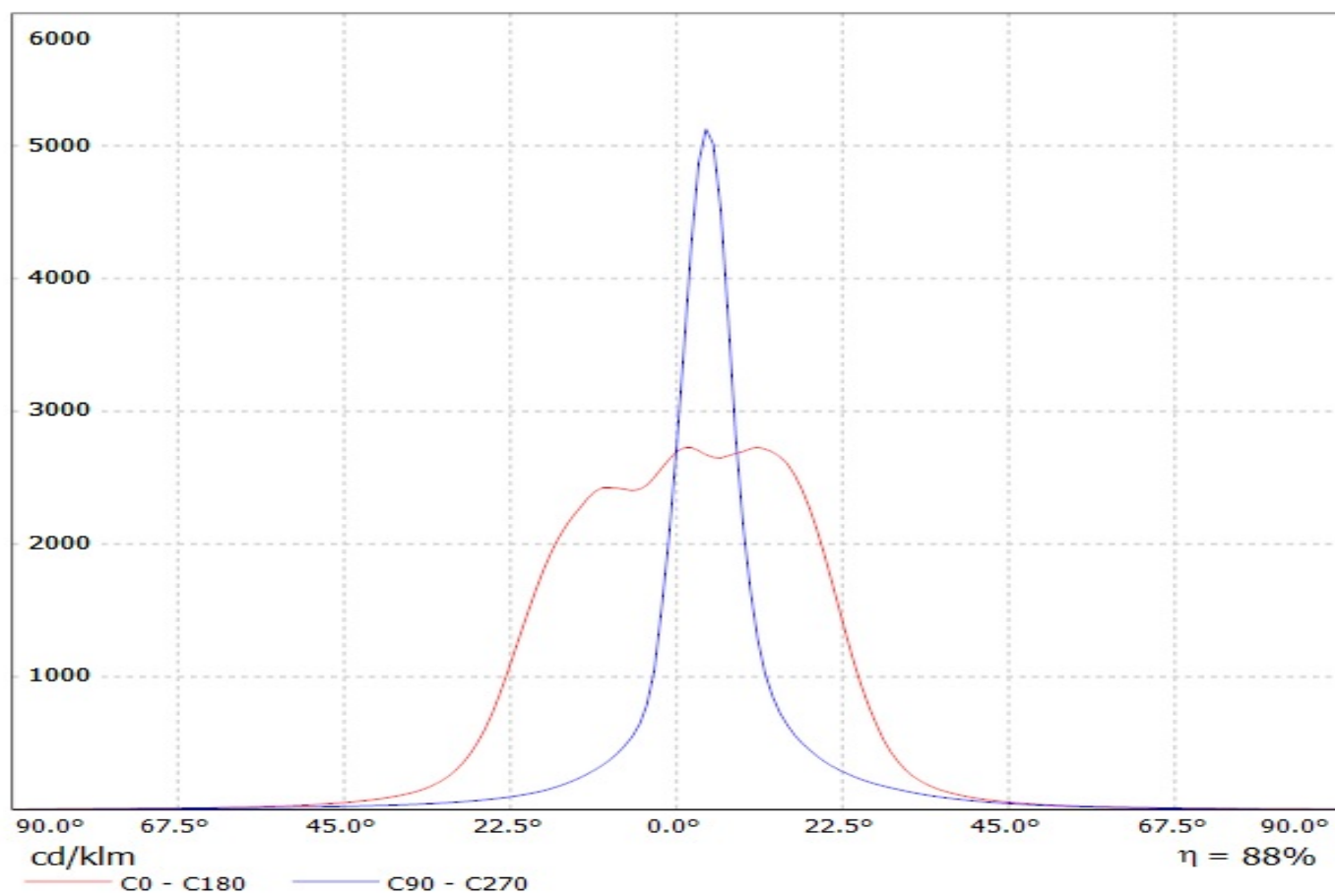
2

2

1

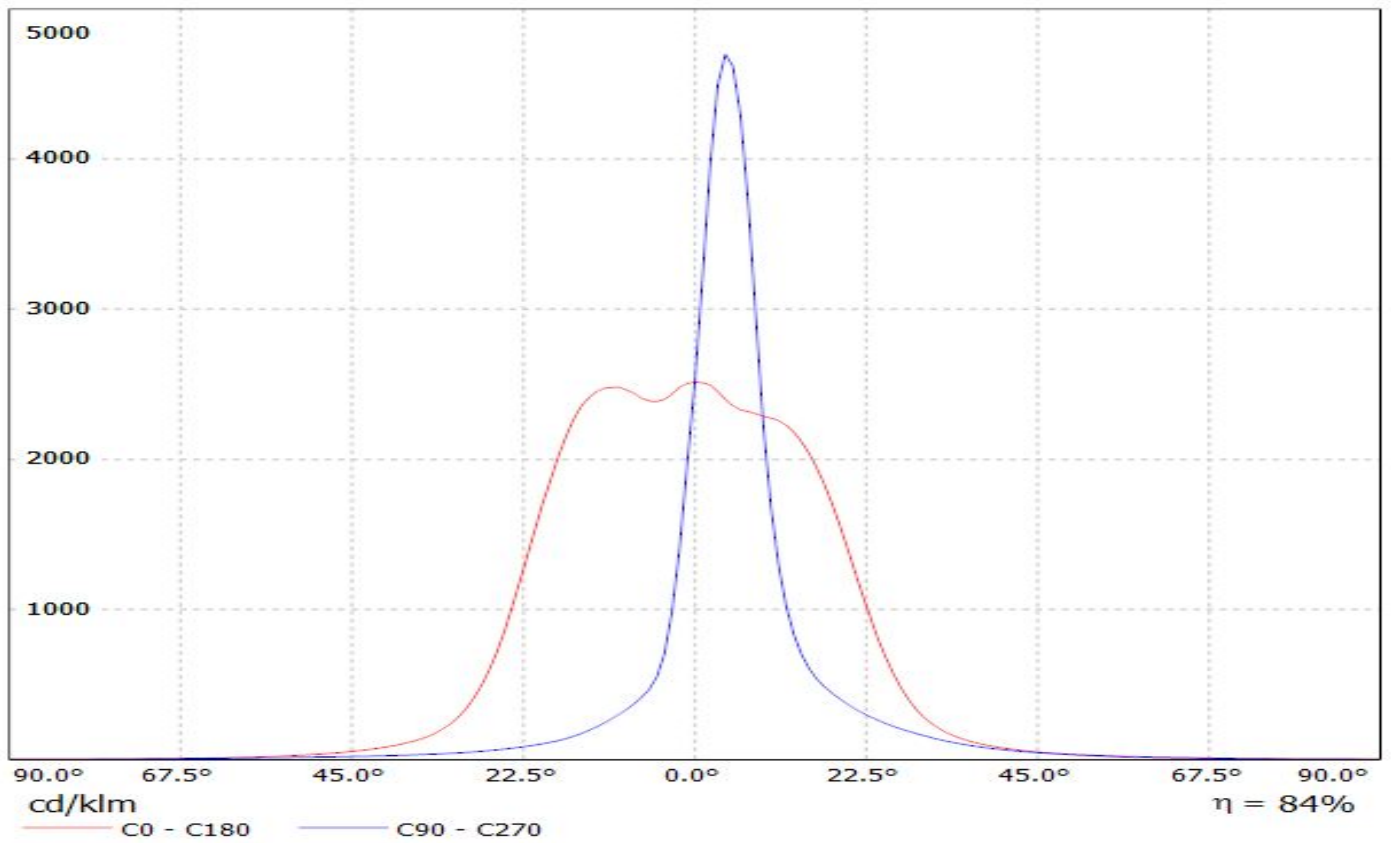
1

Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(XP-L\_HI)  
Lamps: 1 x Cree\_XP-L\_HI\_114.406lm@250mA\_P=0.745352W\_I=0.2499A



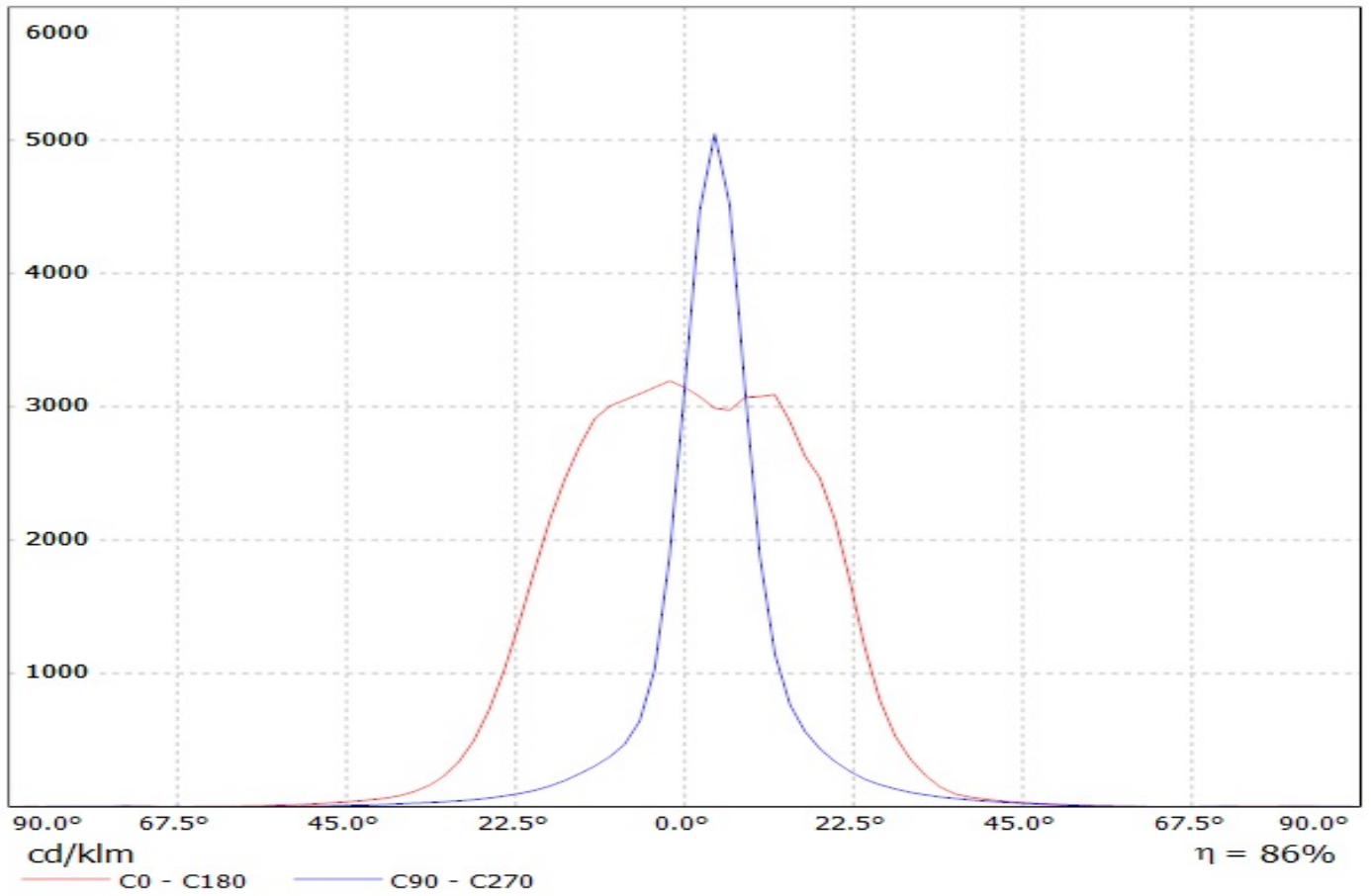
**LEDiL Oy CA12000\_EMILY-O-WAS\_(LUXEON\_T)\_2 Eff.84.0% / LDC (Linear)**

Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(LUXEON\_T)\_2 Eff.84.0%  
Lamps: 1 x LUXEON T (74lm@250mA)

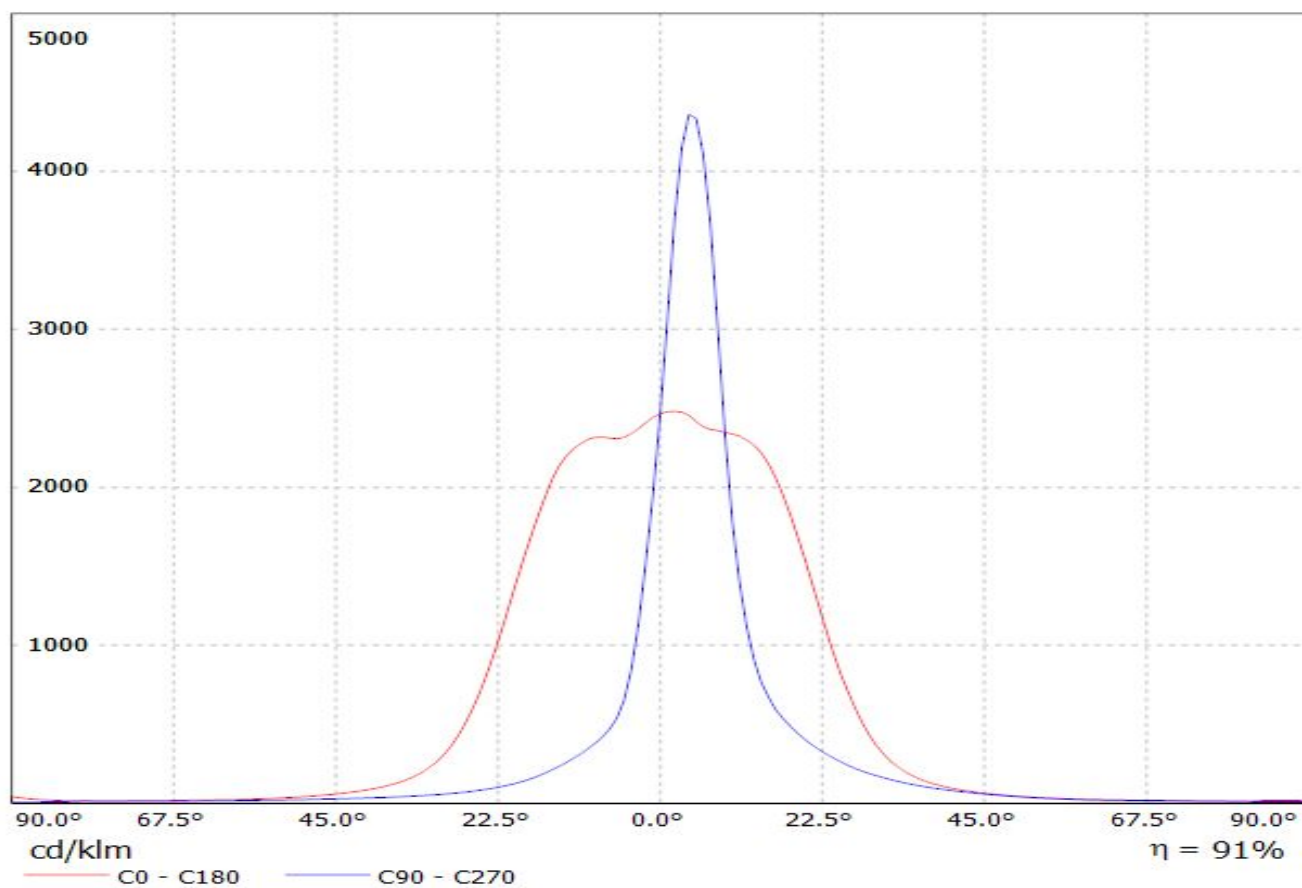


Luminaire: LEDil Oy CA12000\_EMILY-O-WAS\_(Luxeon\_TX)

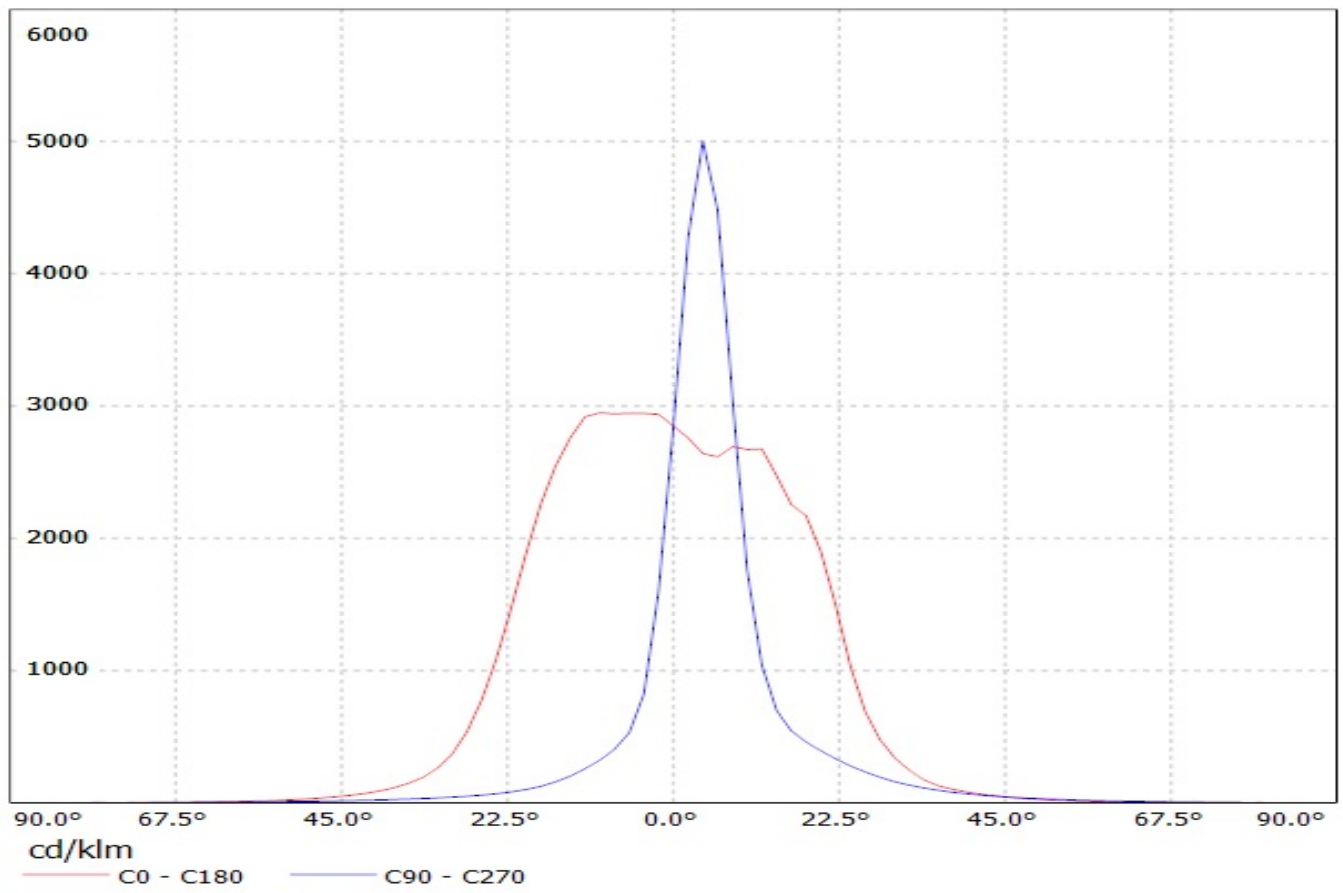
Lamps: 1 x Philips Lumileds Luxeon TX (L1T2-3585) 80.38lm @ 250mA CCT=3554K P=0.7W I=250mA



Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(NVSL219CE)  
Lamps: 1 x Nichia\_NVSL219CE\_101.227lm@250mA\_P=0.713404W\_I=0.25A

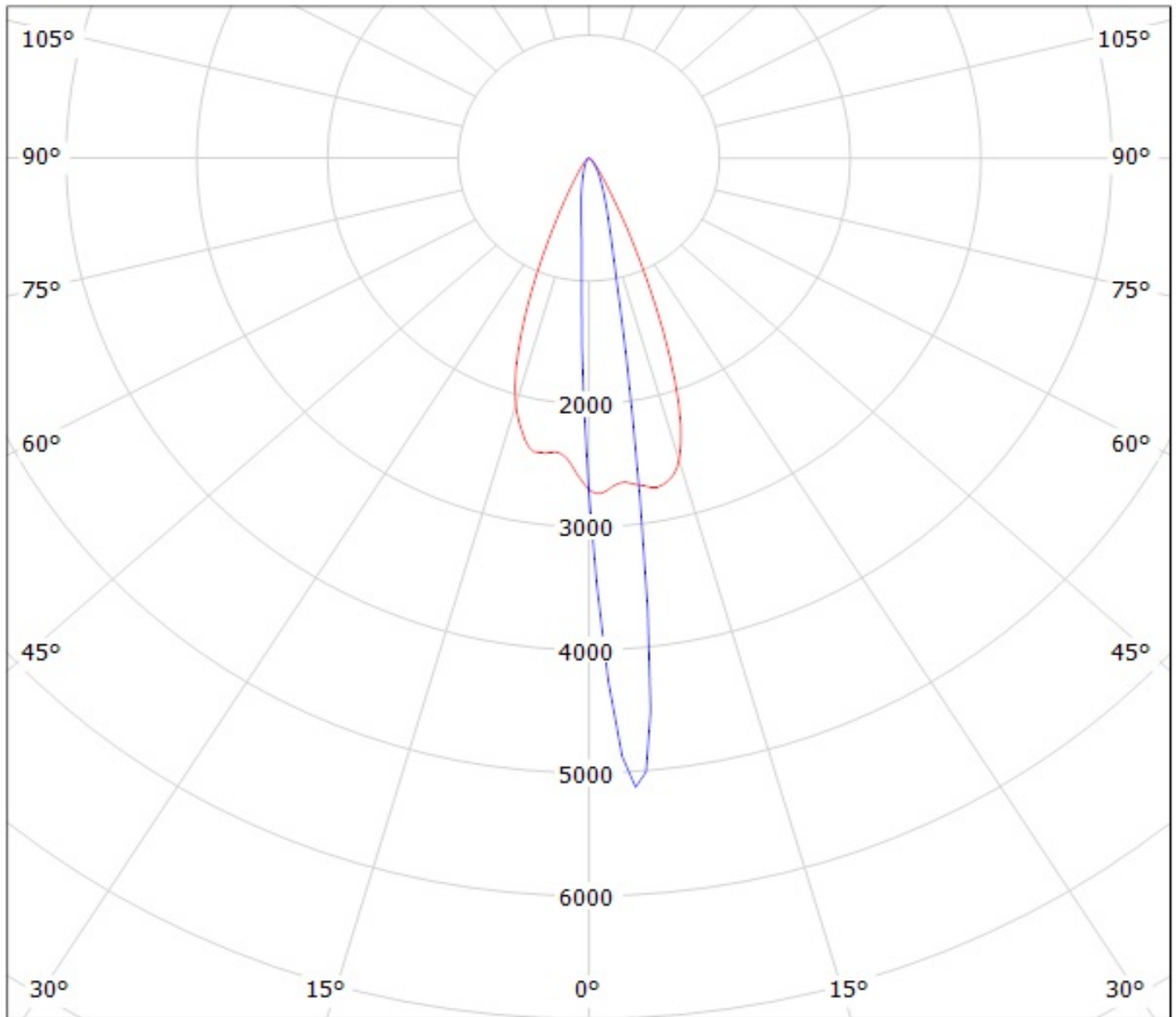


Luminaire: LEDil Oy CA12000\_EMILY-O-WAS\_(Z5M1) Efficiency=85%  
Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(XP-L\_HI)

Lamps: 1 x Cree\_XP-L\_HI\_114.406lm@250mA\_P=0.745352W\_I=0.2499A



cd/klm

— C0 - C180

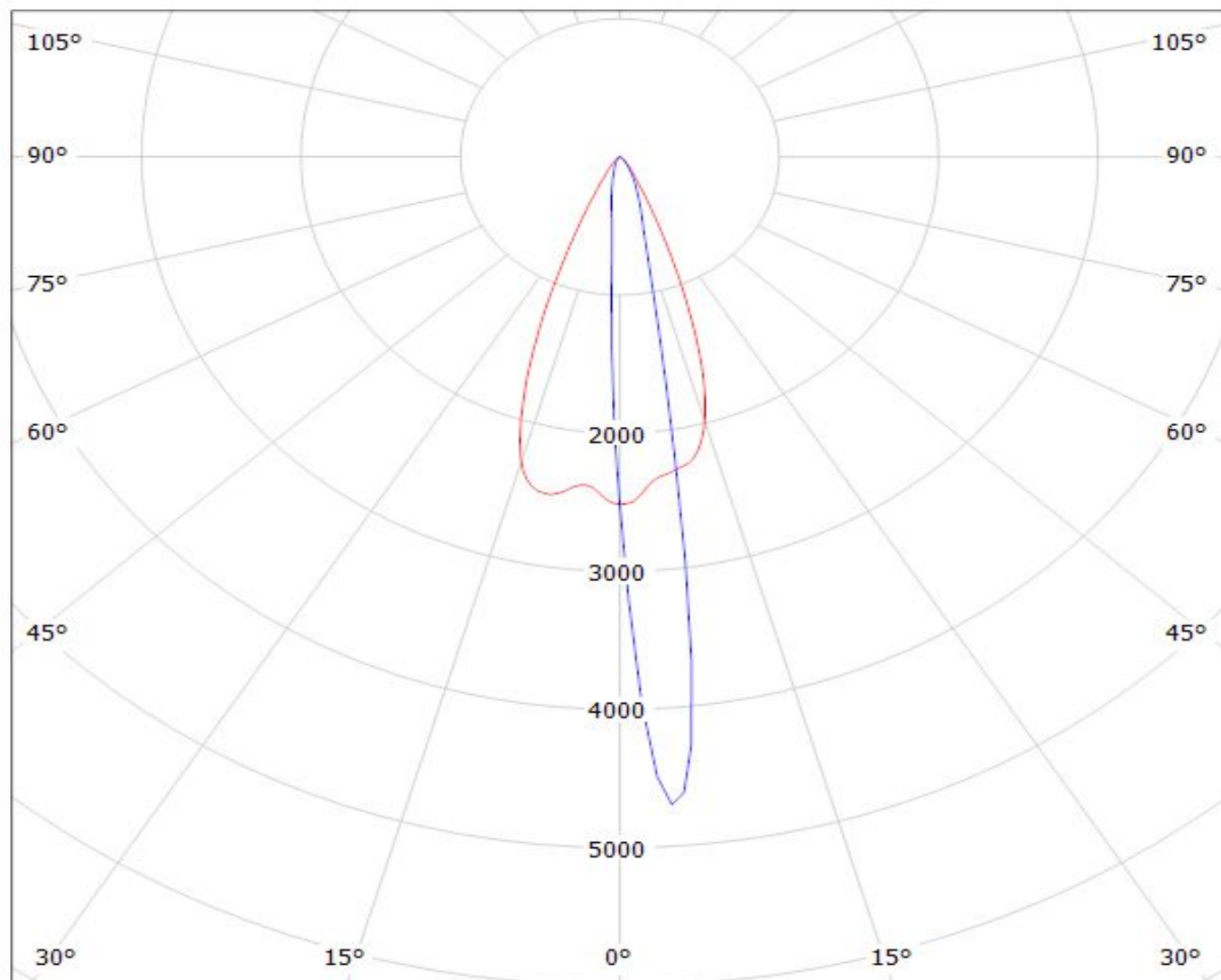
— C90 - C270

$\eta = 88\%$



# LEDiL Oy CA12000\_EMILY-O-WAS\_(LUXEON\_T)\_2 Eff.84.0% / LDC (Polar)

Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(LUXEON\_T)\_2 Eff.84.0%  
Lamps: 1 x LUXEON T (74lm@250mA)



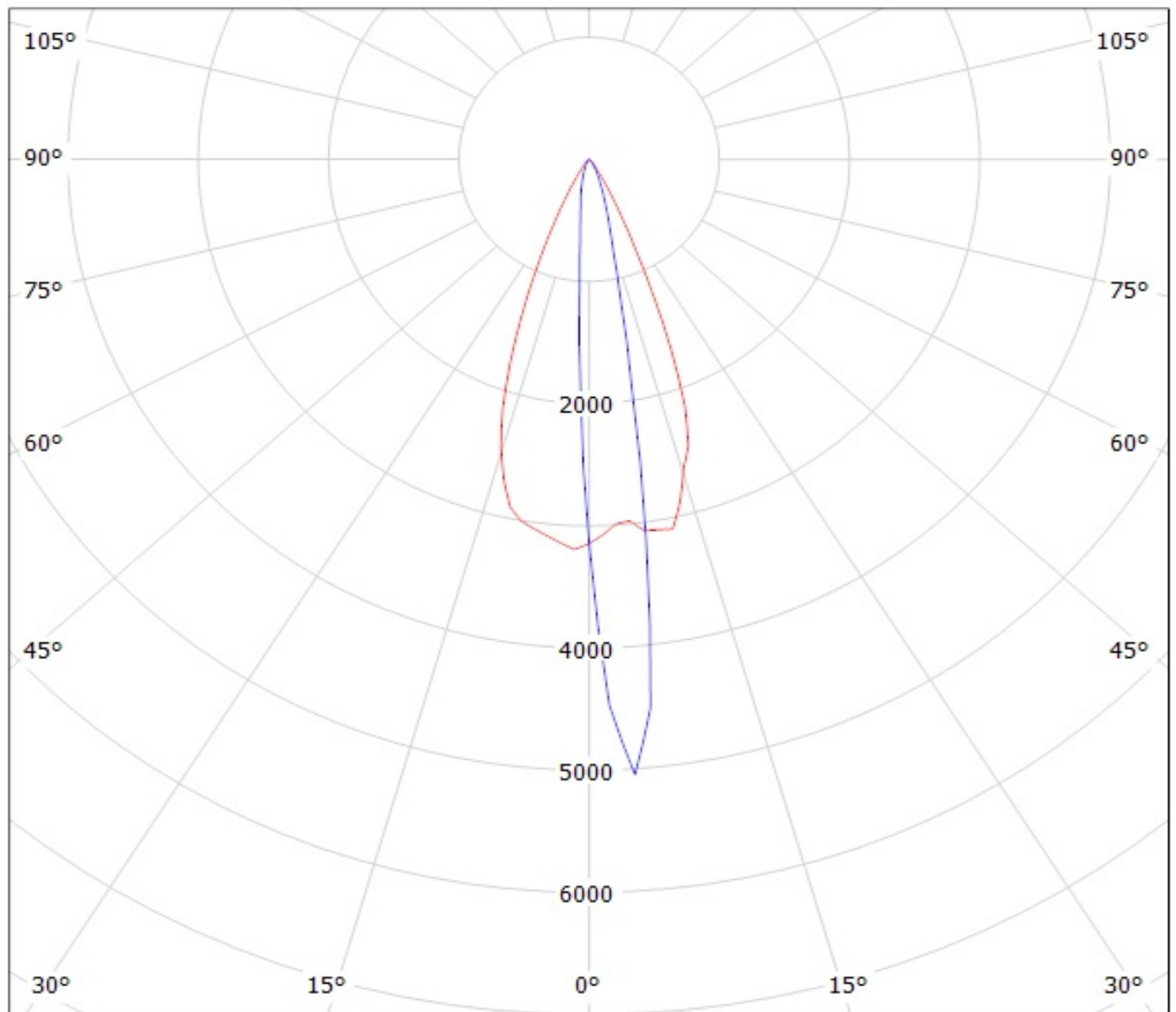
cd/klm

$\eta = 84\%$

— C0 - C180    — C90 - C270

Luminaire: LEDil Oy CA12000\_EMILY-O-WAS\_(Luxeon\_TX)

Lamps: 1 x Philips Lumileds Luxeon TX (L1T2-3585) 80.38lm @ 250mA CCT=3554K P=0.7W I=250mA



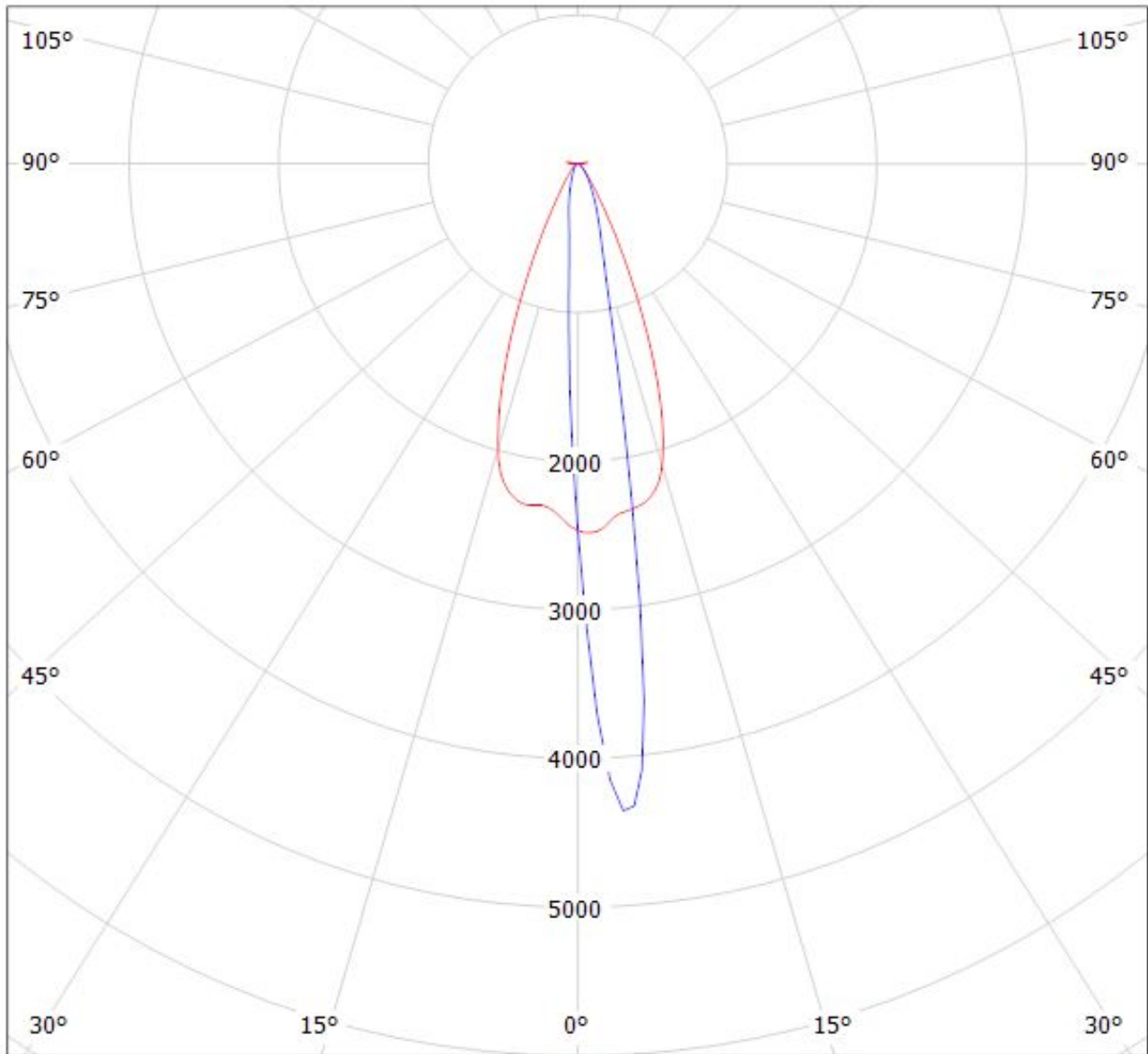
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy CA12000\_EMILY-O-WAS\_(NVSL219CE)  
Lamps: 1 x Nichia\_NVSL219CE\_101.227lm@250mA\_P=0.713404W\_I=0.25A

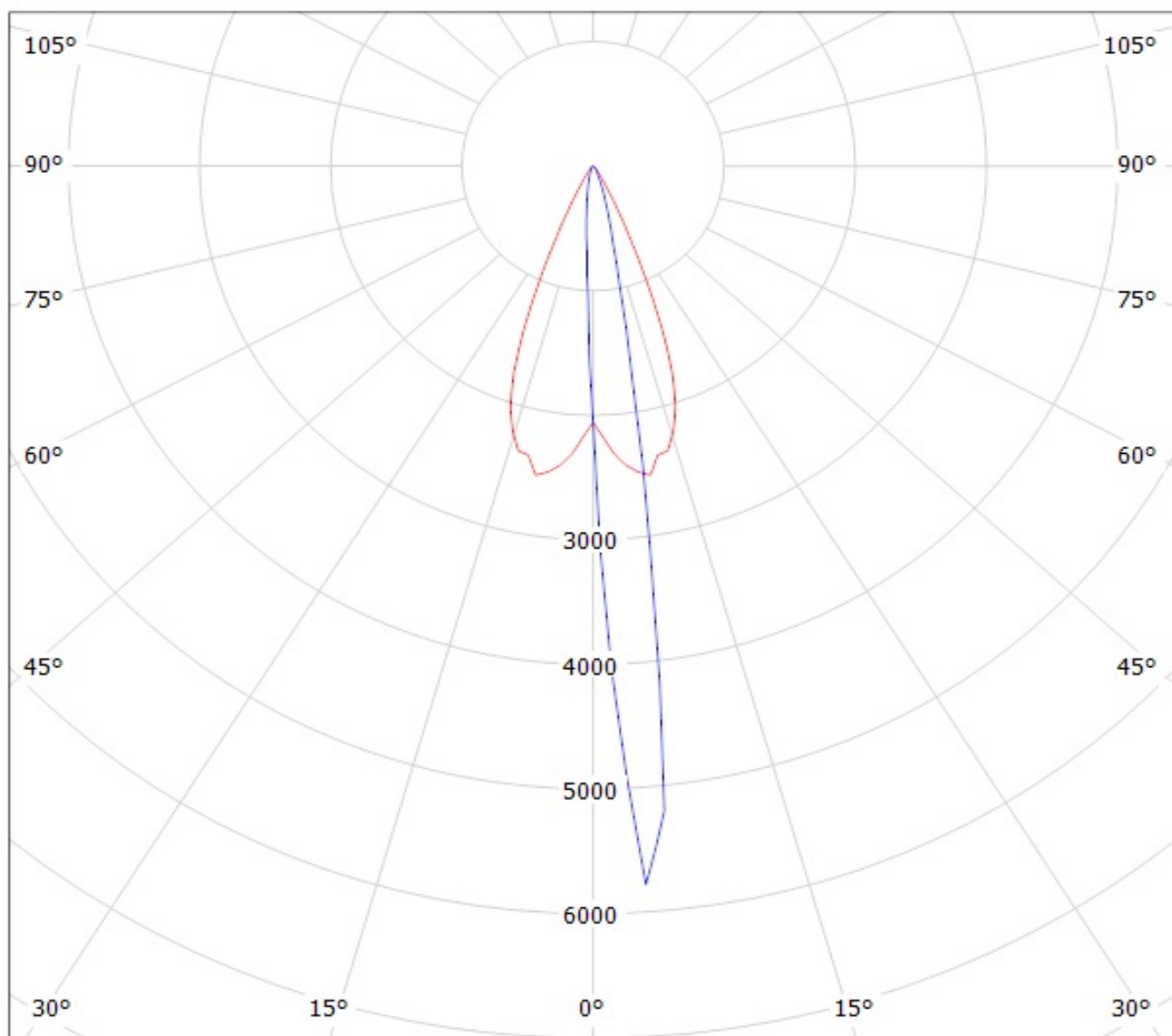


cd/klm

$\eta = 91\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA12000\_EMILY-O-WAS (Oslon 150□□) Efficiency=84%  
Lamps: 1 x Osram Oslon 150□□ white (95lm @ 250mA)

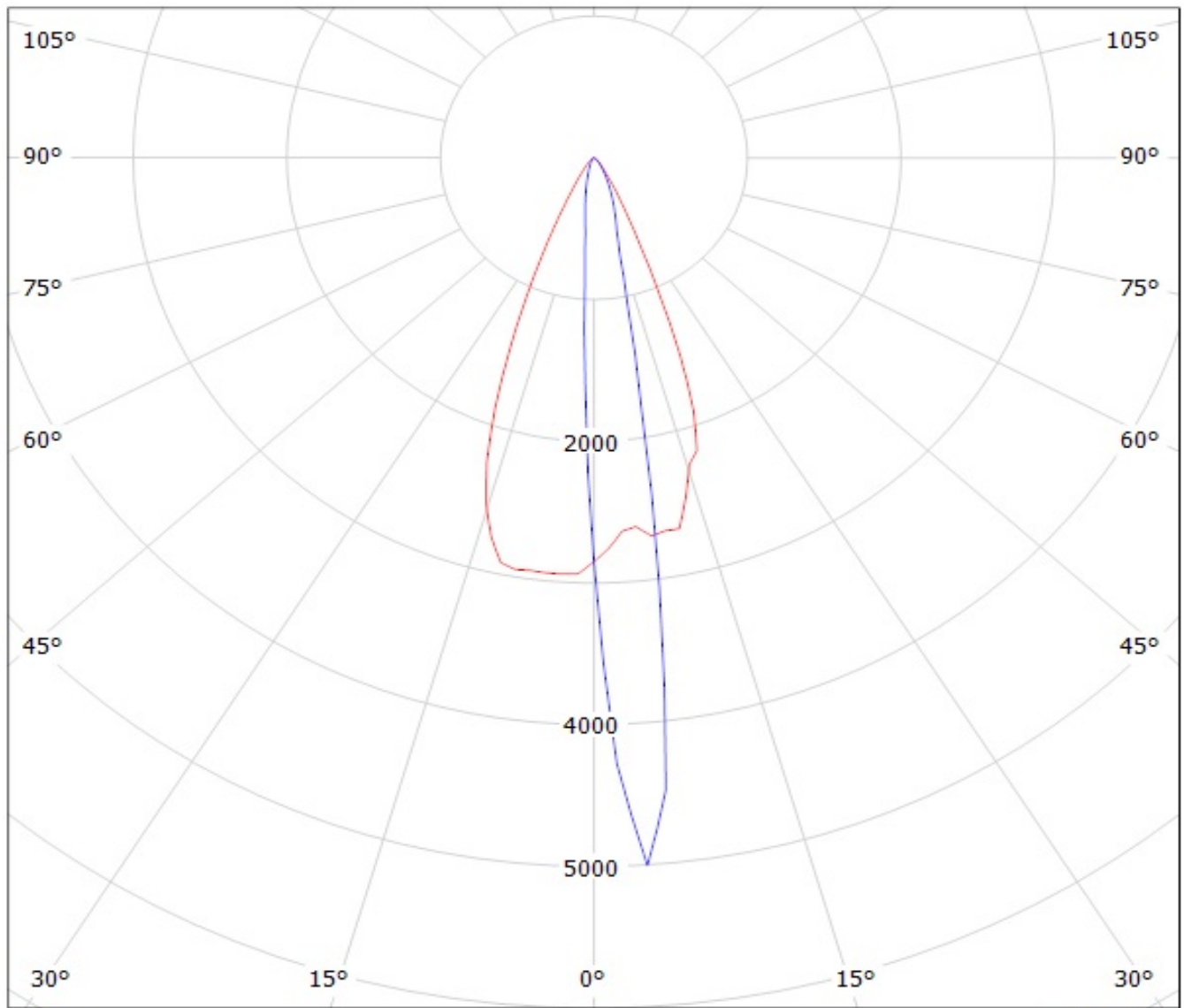


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDil Oy CA12000\_EMILY-O-WAS\_(Z5M1) Efficiency=85%

Lamps: 1 x Seoul Z5M1 (SZ5M1-W0-C8/W1-A5-G) 108lm @ 250mA CCT=9100K P=0.8W I=250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

**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.**