

## DETAILS

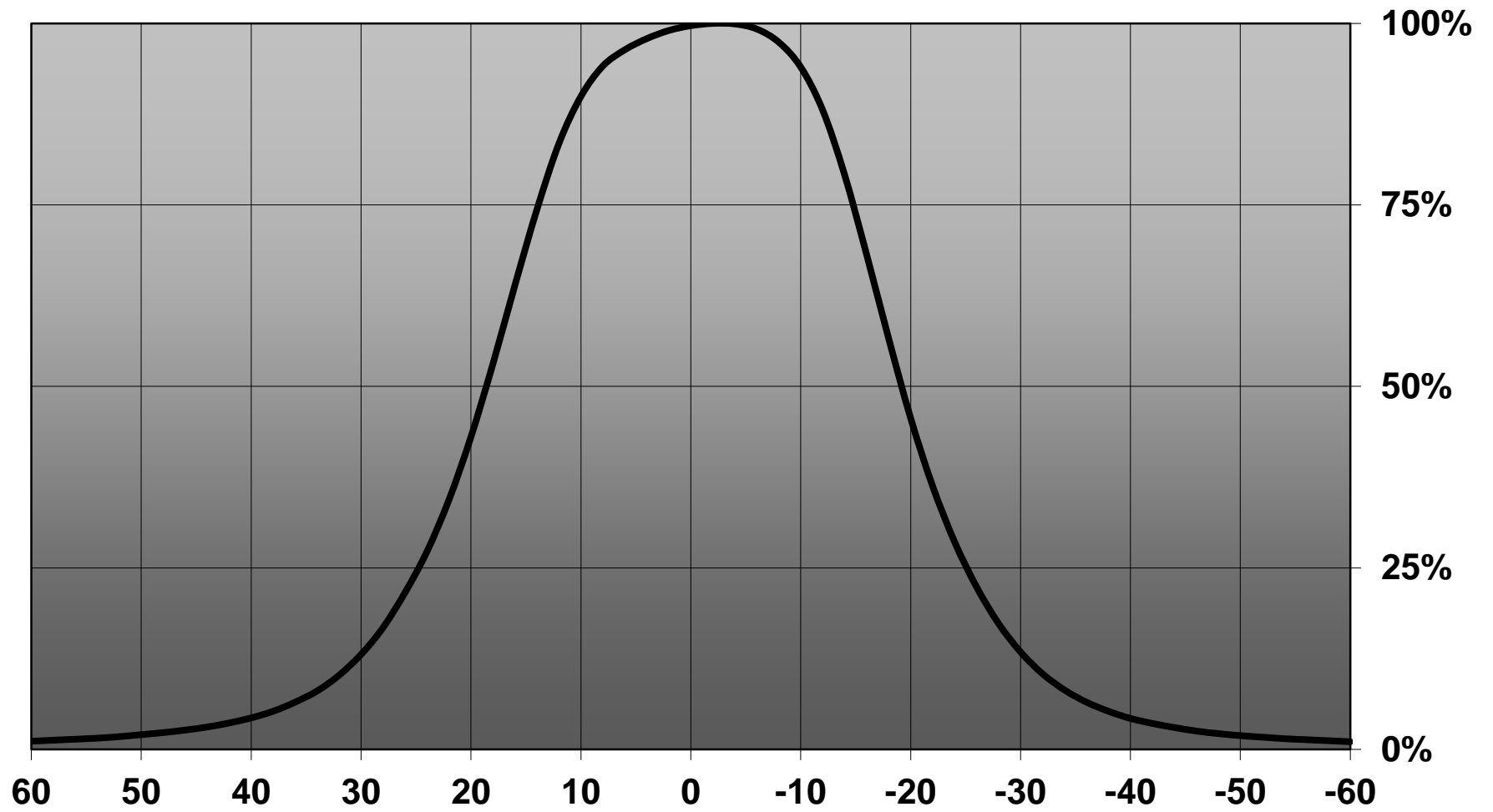
<b>Product Number</b>	CA11934_EMILY-W
<b>Family</b>	Emily
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	26 mm
<b>Height</b>	14,9 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, tape
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	20/12/2013



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XM-L HVW	sim: 36	Wide	86 %	-	-
NCSxx19B	sim: 45	Wide	sim: 86 %	sim: 1.000	-
NS9x383	34 deg	Wide	84 %	1.800	-
XM-L	36 deg	Wide	86 %	sim: 0.000	-
XT-E	36 deg	Wide	-	1.500	-
XP-L HI	36 deg	Wide	86 %	1.800	-
XP-G2	38 deg	Wide	84 %	1.700	-
Oslon Square EC	38 deg	Wide	84 %	1.860	-
XP-L	38 deg	Wide	87 %	1.710	-
LH351B	38 deg	Wide	88 %	1.800	-
XP-E	39 deg	Wide	86 %	1.600	-
XP-E2	39 deg	Wide	84 %	1.700	-
XM-L2	39 deg	Wide	86 %	1.700	-
LH351Z	39 deg	Wide	85 %	1.700	-
LUXEON Rebel ES	40 deg	Wide	88 %	-	-
XP-G	40 deg	Wide	86 %	1.500	-
Z5	40 deg	Wide	86 %	-	-
LUXEON Rebel	40 deg	Wide	86 %	-	-
NCSxx19A	40 deg	Wide	86 %	-	-
NVSxx19A	40 deg	Wide	86 %	-	-
Oslon SSL 80	40 deg	Wide	86 %	1.250	-
Double Dome (GM2BB)	40 deg	Wide	86 %	-	-
Oslon SSL 150	40 deg	Wide	86 %	-	-
LUXEON A	40 deg	Wide	84 %	-	-

Relative intensity of CA11934\_EMILY-W\_(SQ EC)



D

C

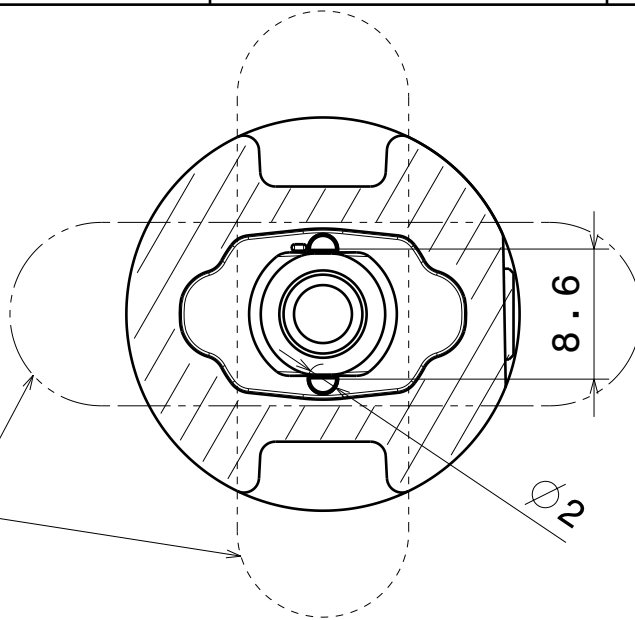
B

A

4

4

Bottom view



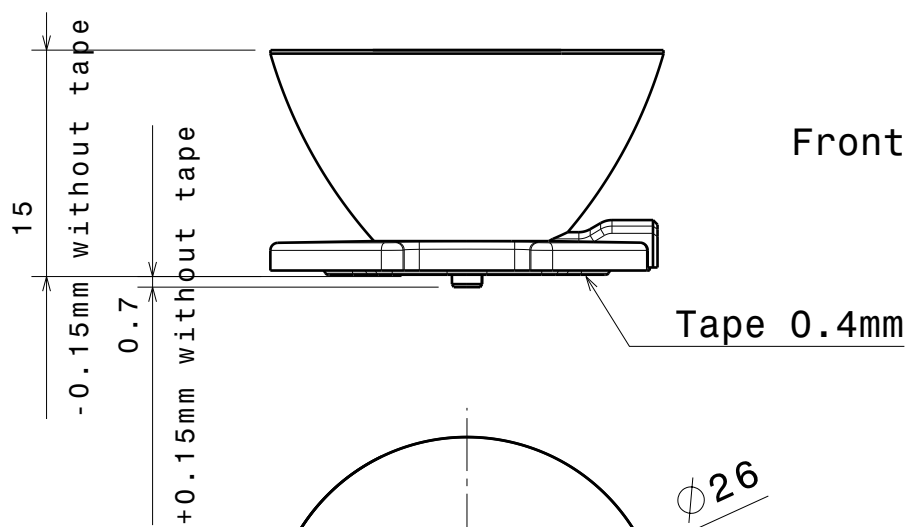
Beam direction Emily-0-90

Beam direction Emily-0

3

3

Front view

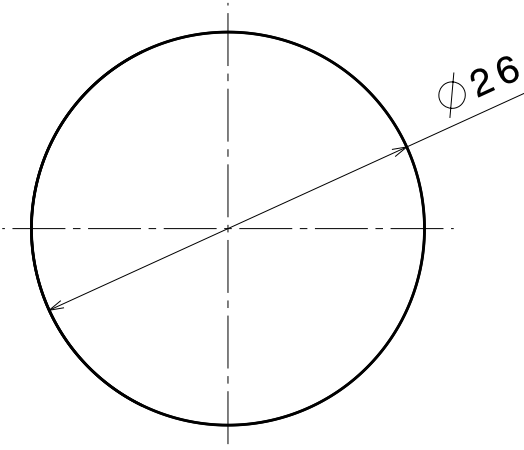


Tape 0.4mm

2

2

Top view

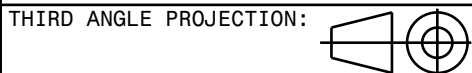


Materials:  
 Lens PMMA  
 Tape PU Foam with adhesive

Part no.s:  
 CA11387\_Emily-SS  
 CA11388\_Emily-M  
 CA11389\_Emily-0  
 CA11390\_Emily-0-90  
 CA11391\_Emily-M2

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

**LEDiL** LediL Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland



DRAWING TITLE  
**Datasheet Emily series lens**

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SIZE	PART NUMBER
A4	

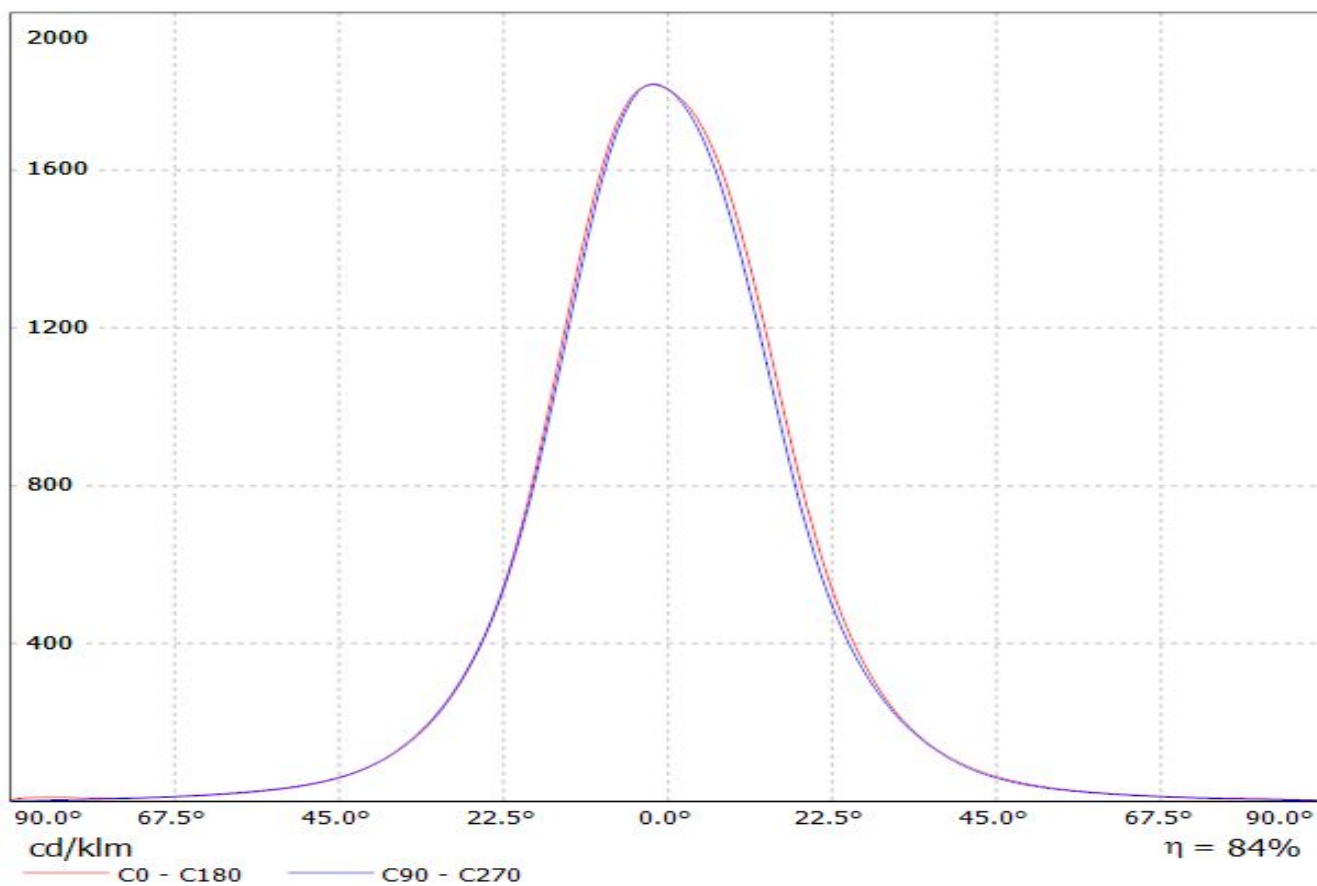
SCALE	2:1	WEIGHT		SHEET	1/1
-------	-----	--------	--	-------	-----

D

A

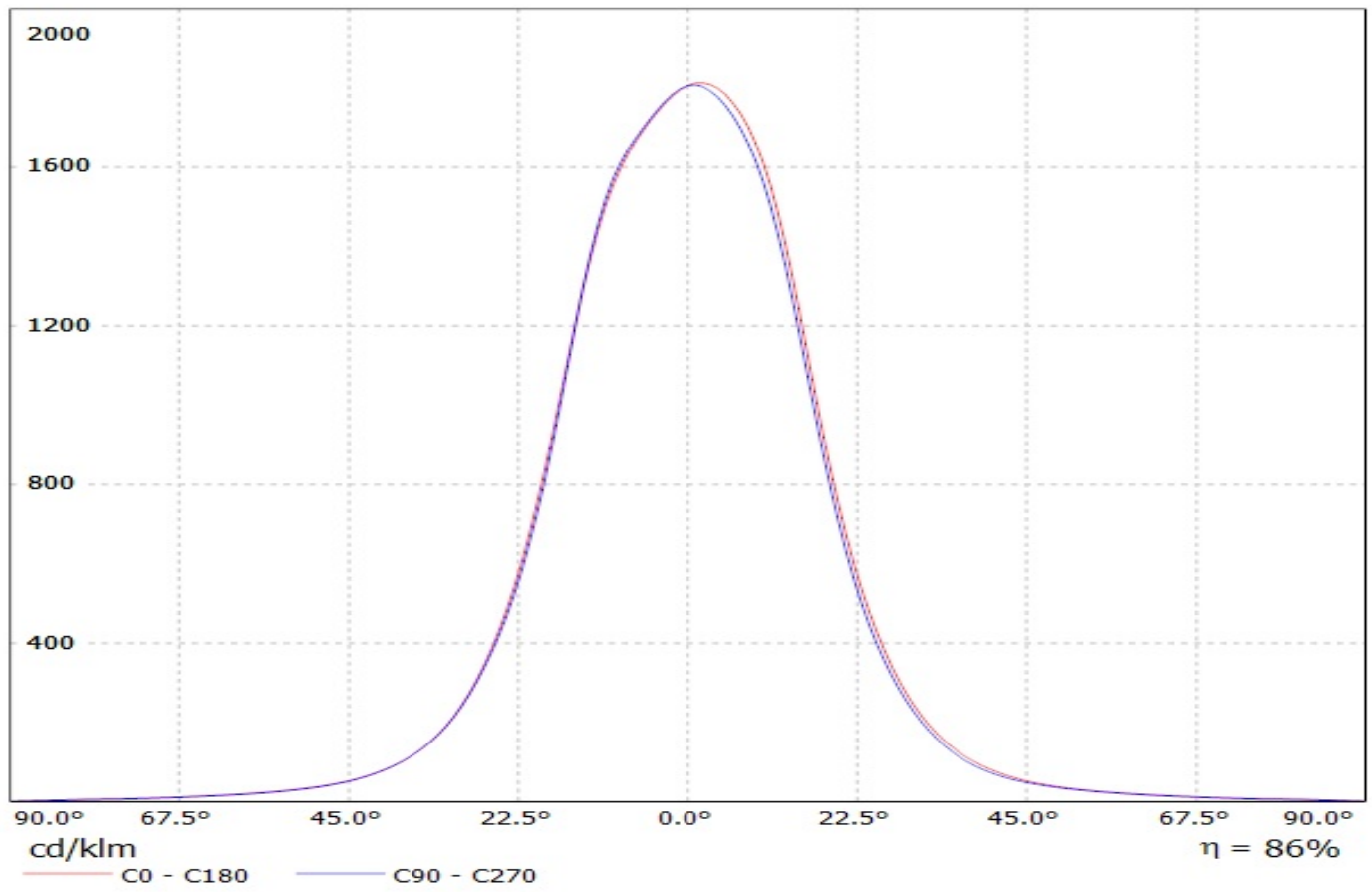
1

Luminaire: LEDiL Oy CA11934\_EMILY-W\_(NS9x383) Eff.84,3%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

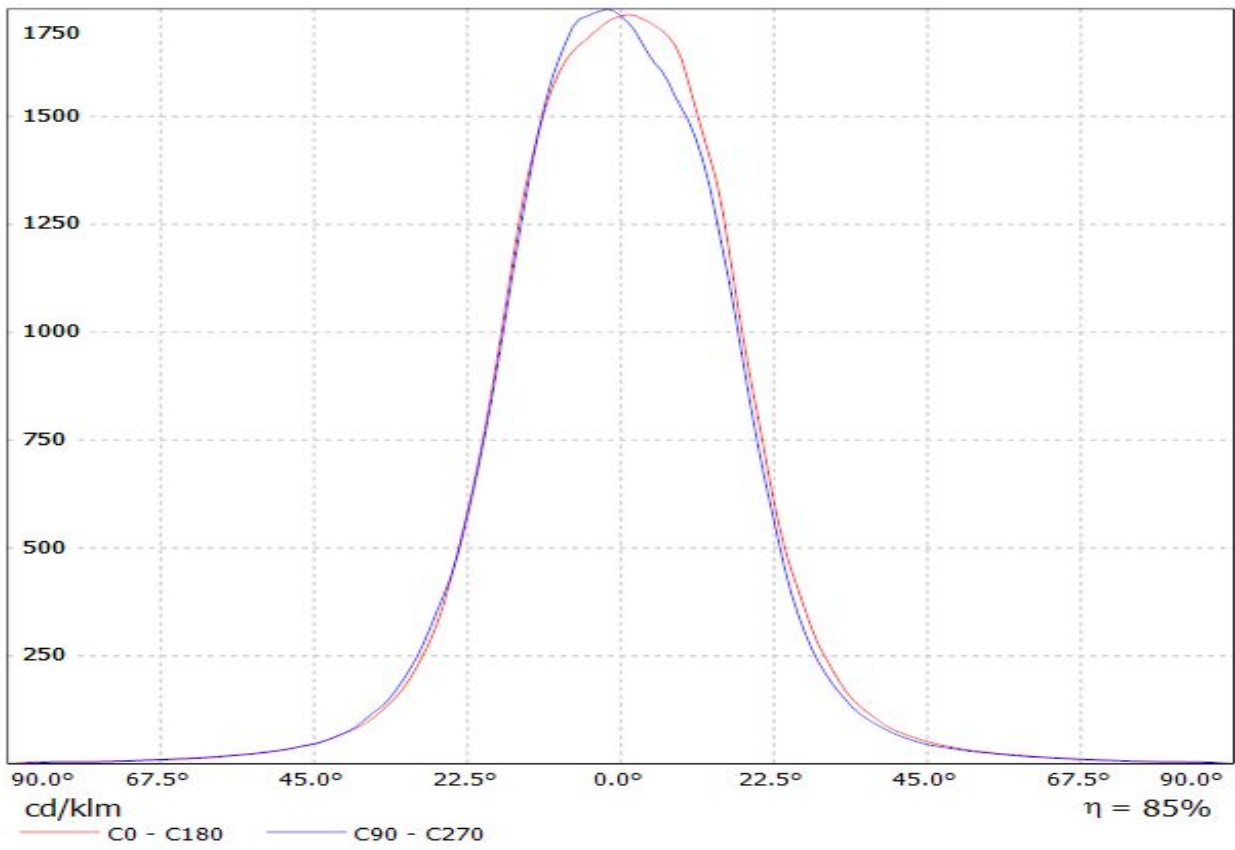


Luminaire: LEDiL Oy CA11934\_EMILY-W\_(XP-L\_HI)

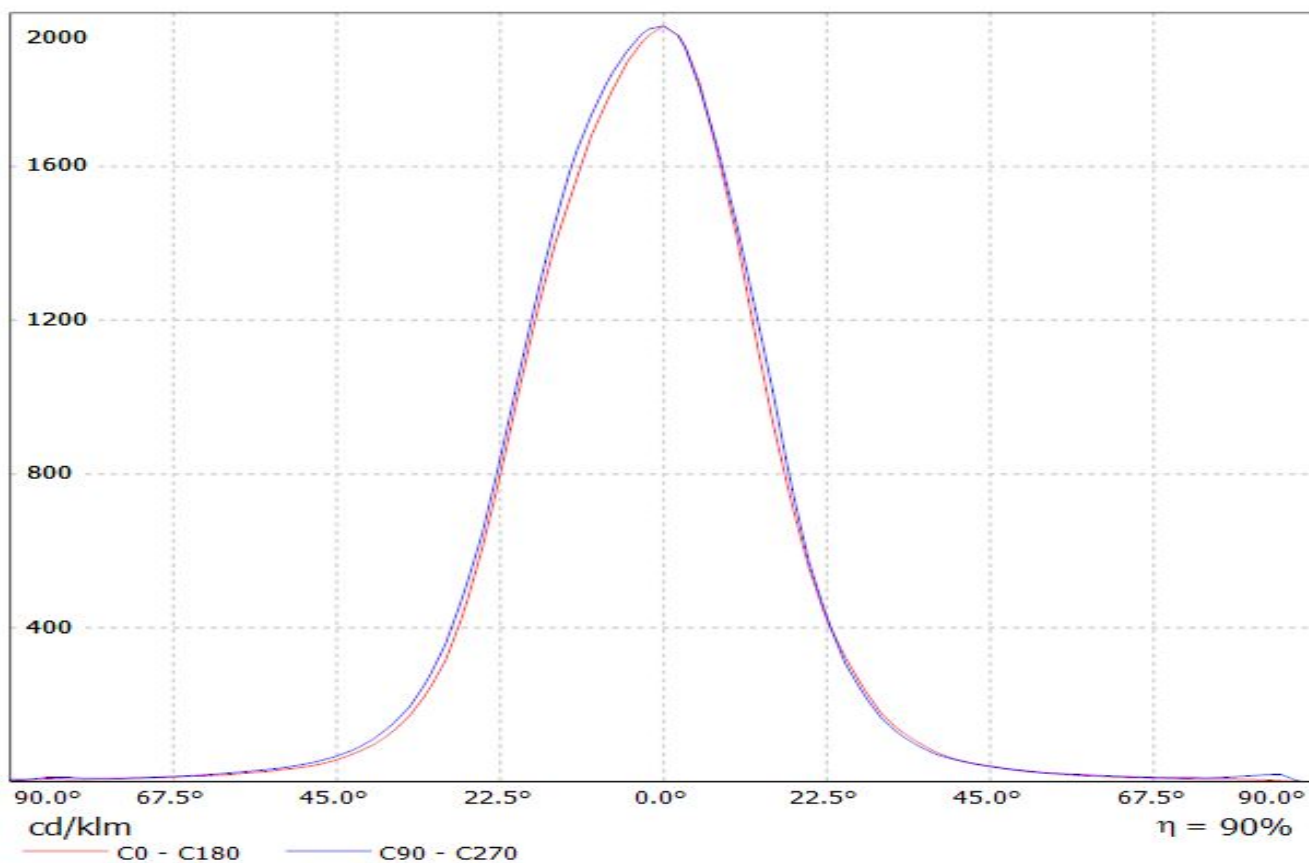
Lamps: 1 x Cree\_XP-L\_HI\_114.406lm@250mA\_P=0.745352W\_I=0.2499A



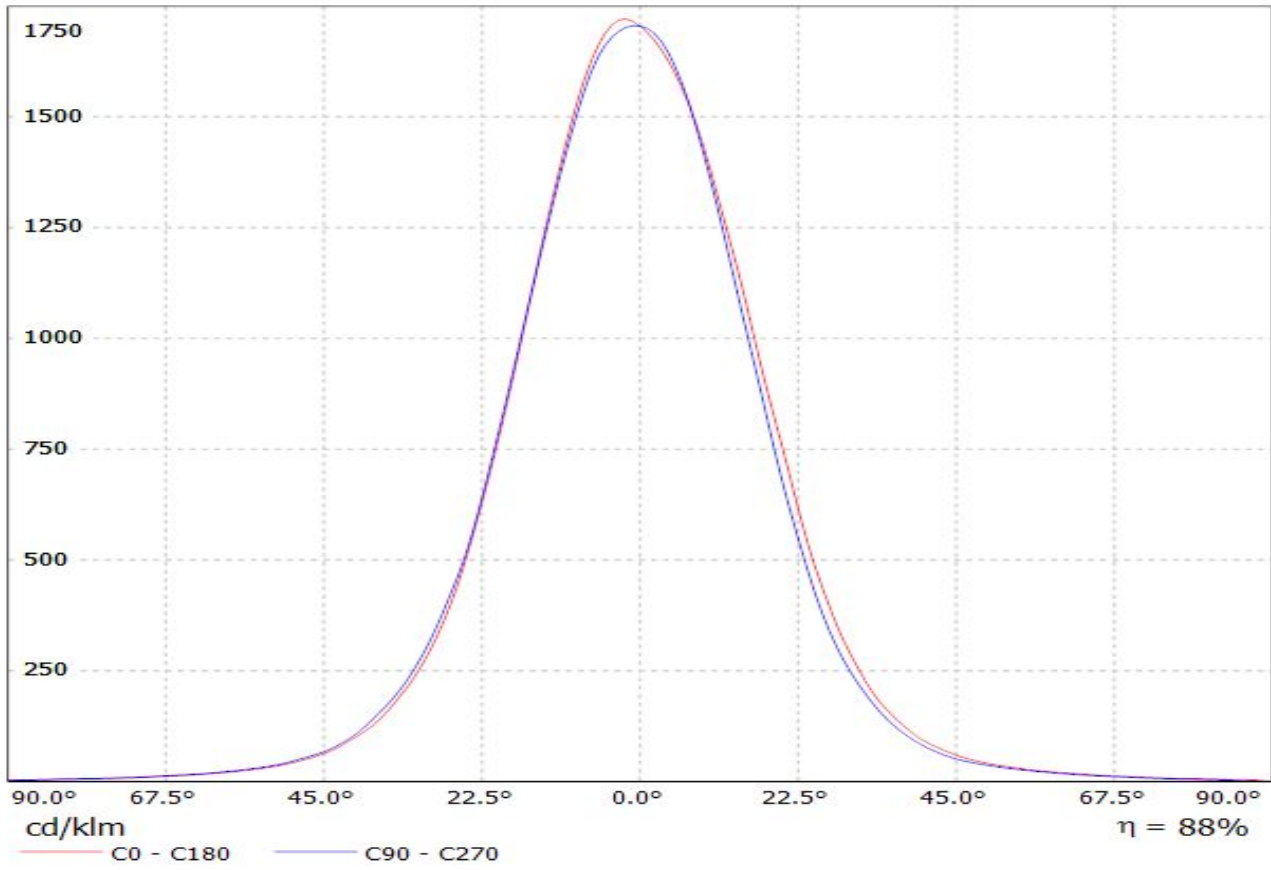
Luminaire: LEDiL Oy CA11934\_EMILY-W\_(XP-G2) Eff.84%  
Lamps: 1 x Cree XP-G2 (98lm@250mA)



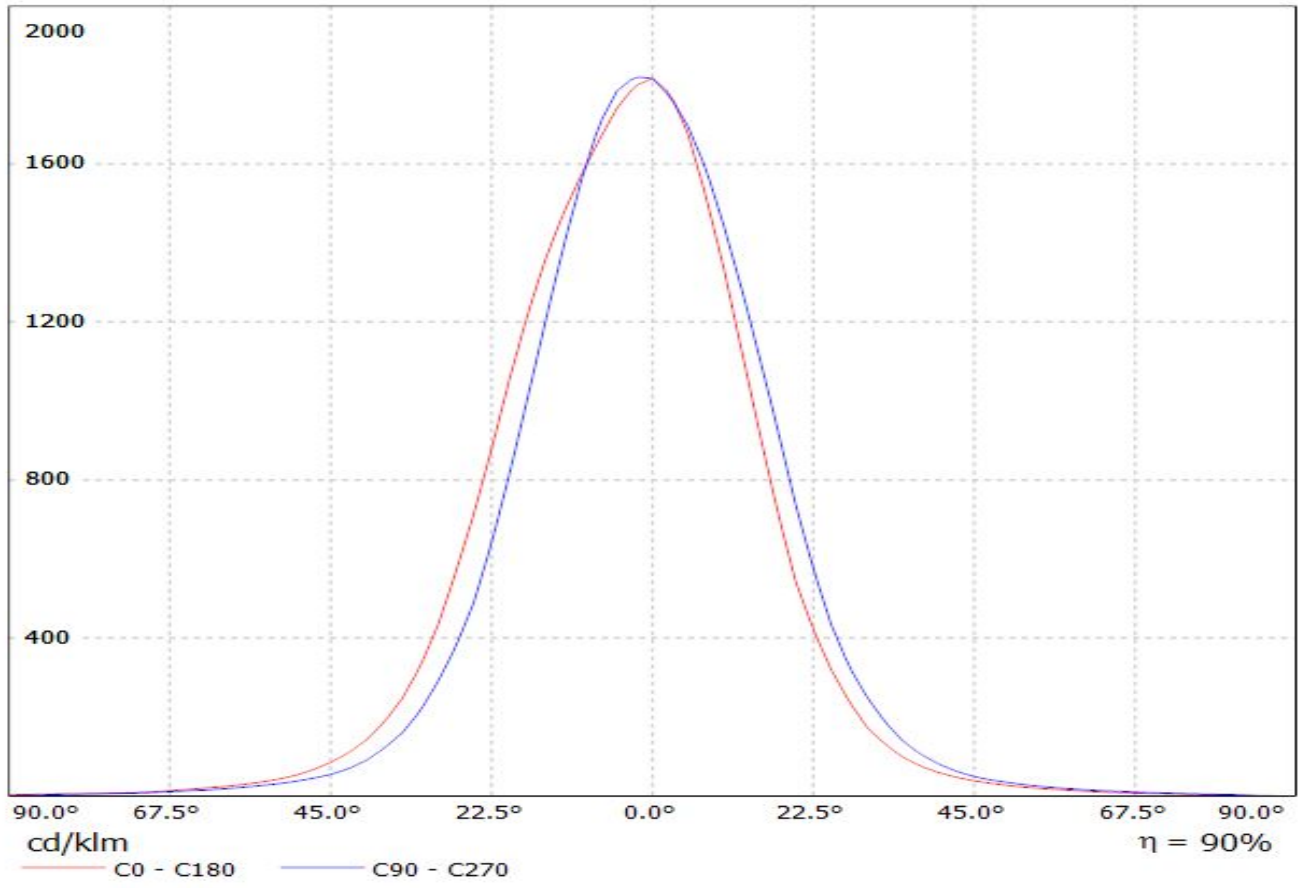
Luminaire: Ledil Oy CA11389-EMILY-O (Osram Square EC 62lm @ 250mA) Efficiency=87%  
Lamps: 1 x Osram Square EC 62lm @ 250mA



Luminaire: Ledil Oy CA11934\_EMILY-W\_(XP-L) Efficiency= 87%  
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

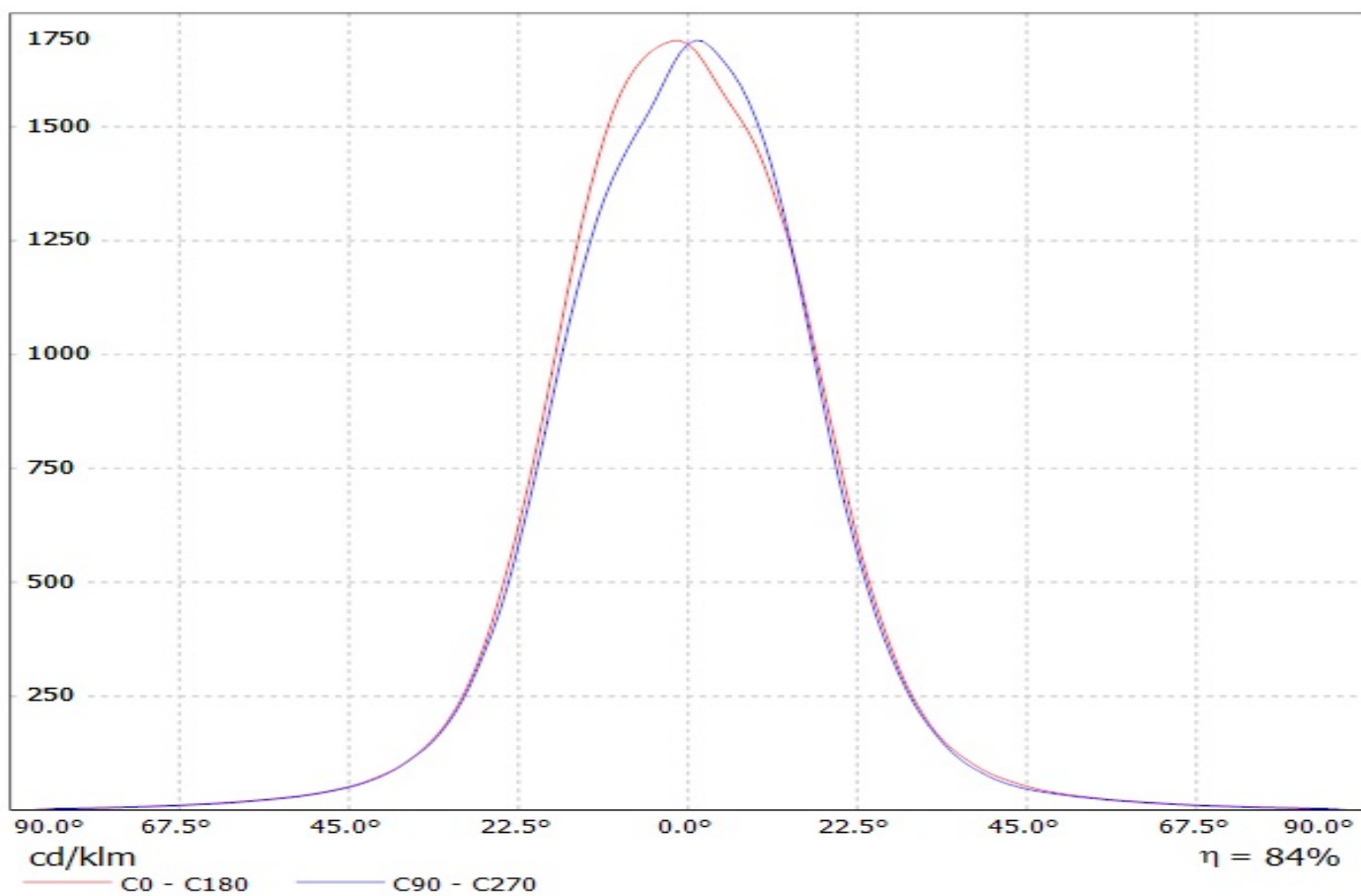


Luminaire: Ledil Oy CA11934\_EMILY-W\_(LH351B) Efficiency=88%  
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA

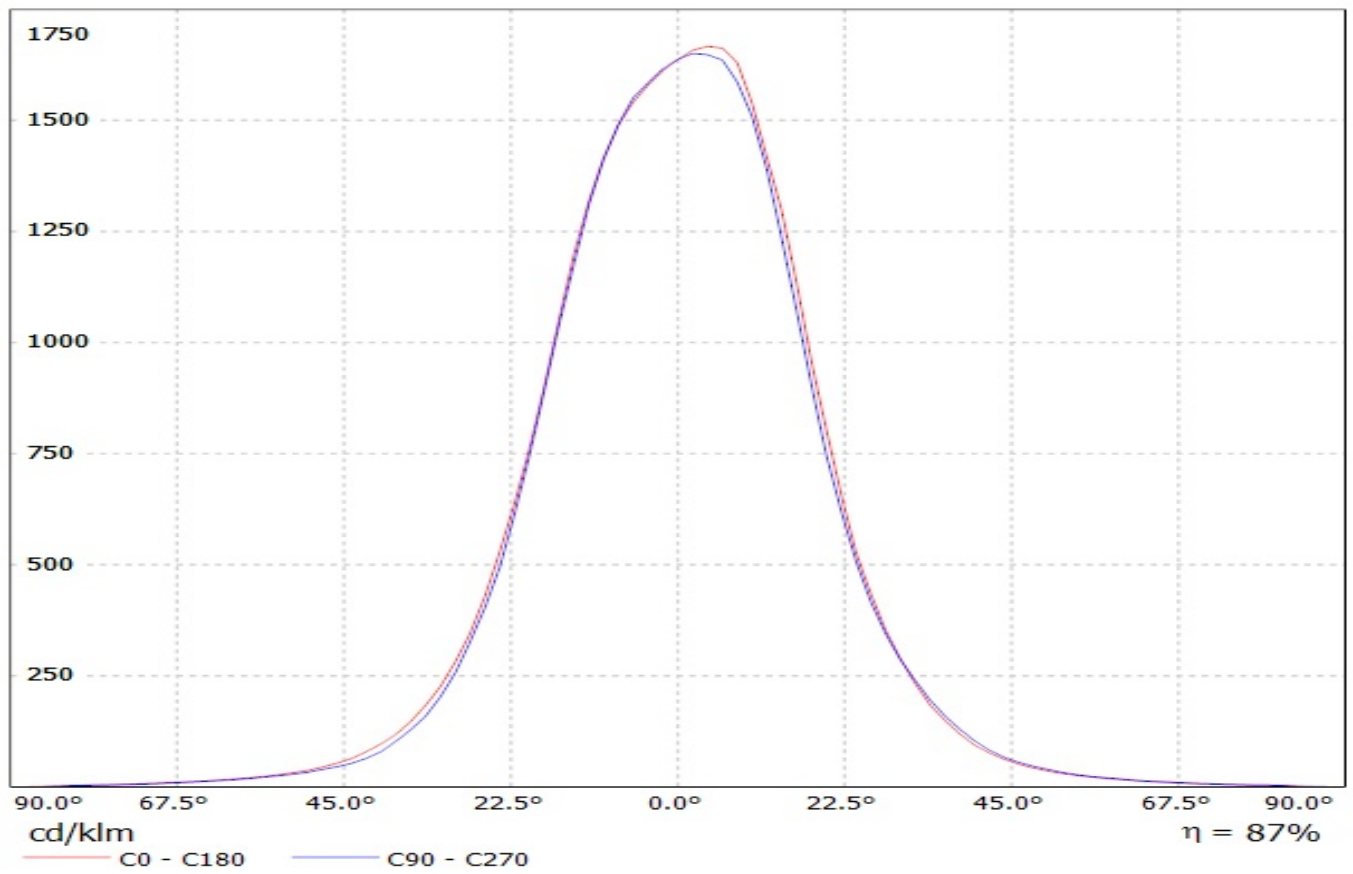


Luminaire: LEDil Oy CA11934\_EMILY-W\_(XP-E2)

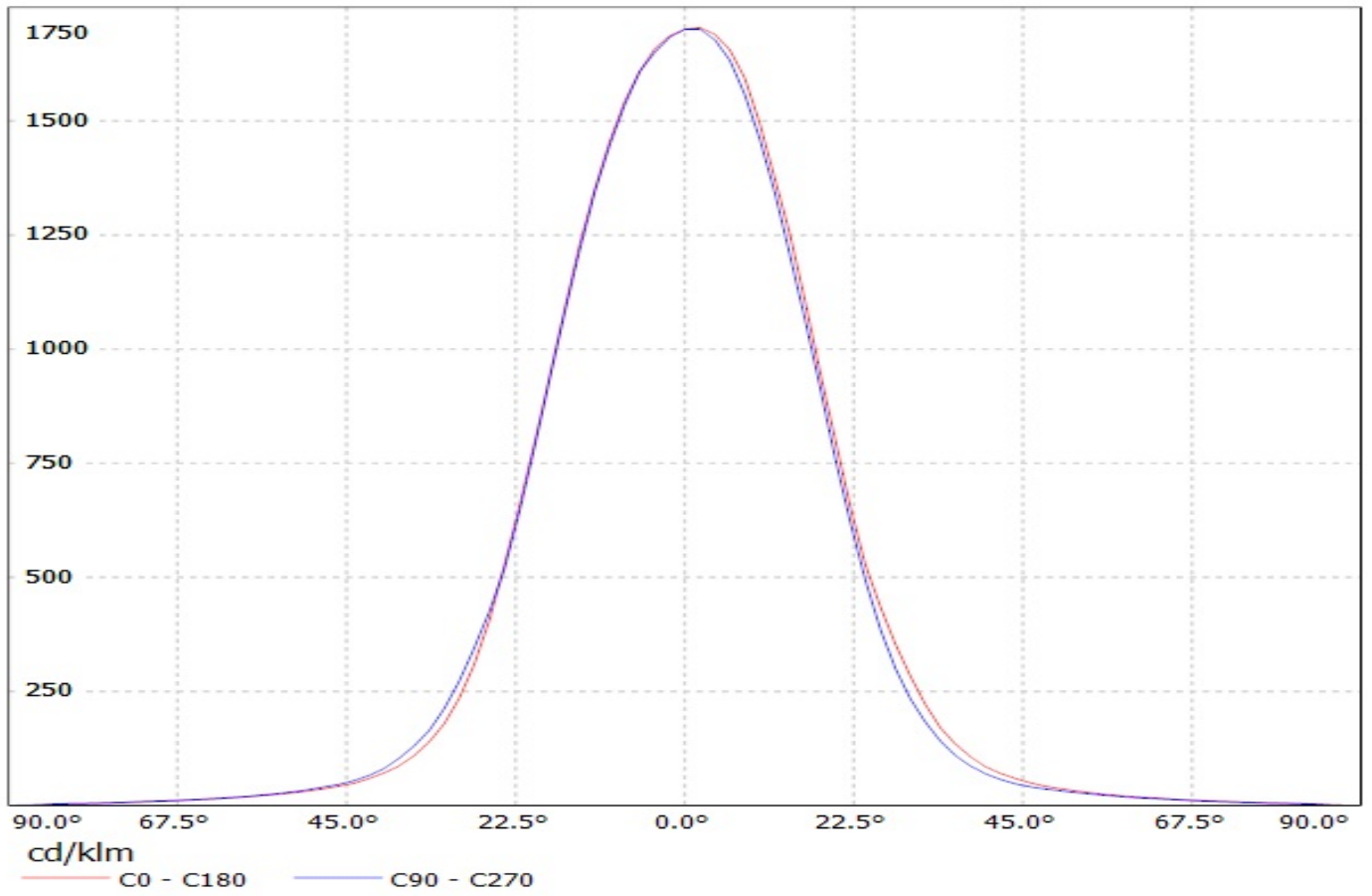
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA



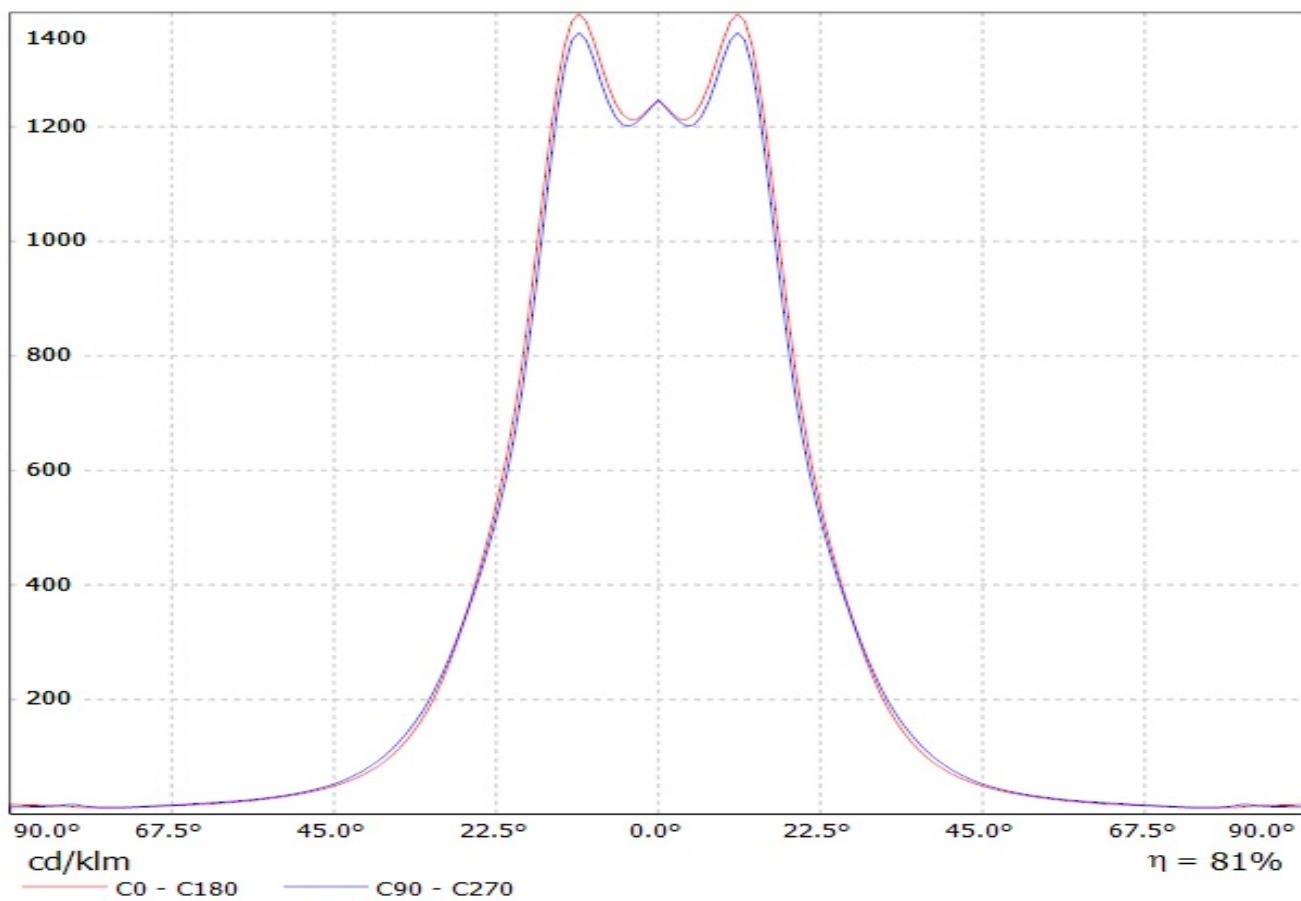
Luminaire: LEDil Oy CA11934\_EMILY-W\_(XM-L2) Efficiency=86%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



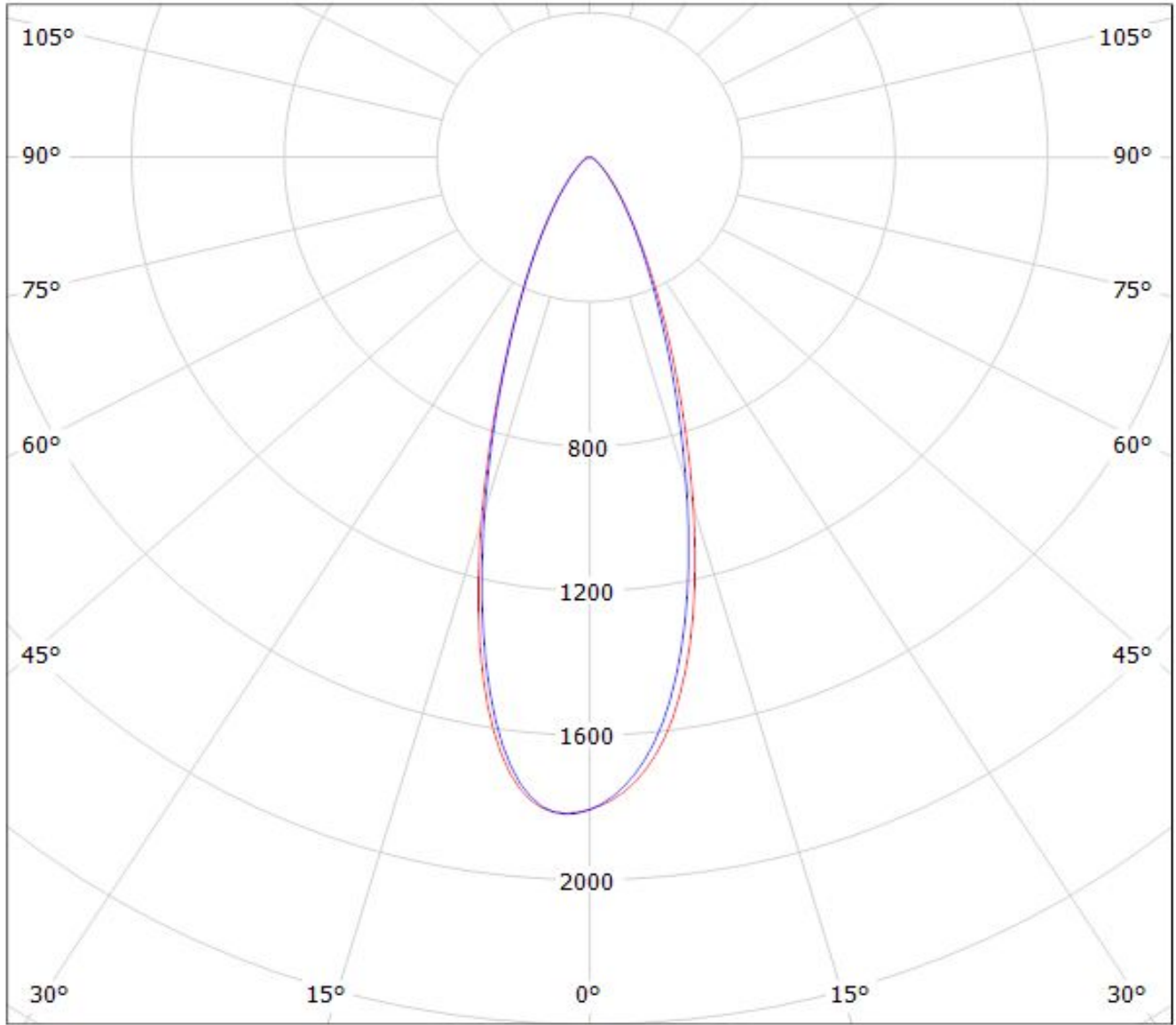
Luminaire: Ledil Oy CA11934\_EMILY-W\_(LH351Z) Efficiency=85%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: LEDIL OY CA11934\_EMILY-W (Osram Oslon SSL 80°) Efficiency=86%  
Lamps: 1 x Osram Oslon SSL 80° (85lm@250mA)



Luminaire: LEDiL Oy CA11934\_EMILY-W\_(NS9x383) Eff.84,3%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



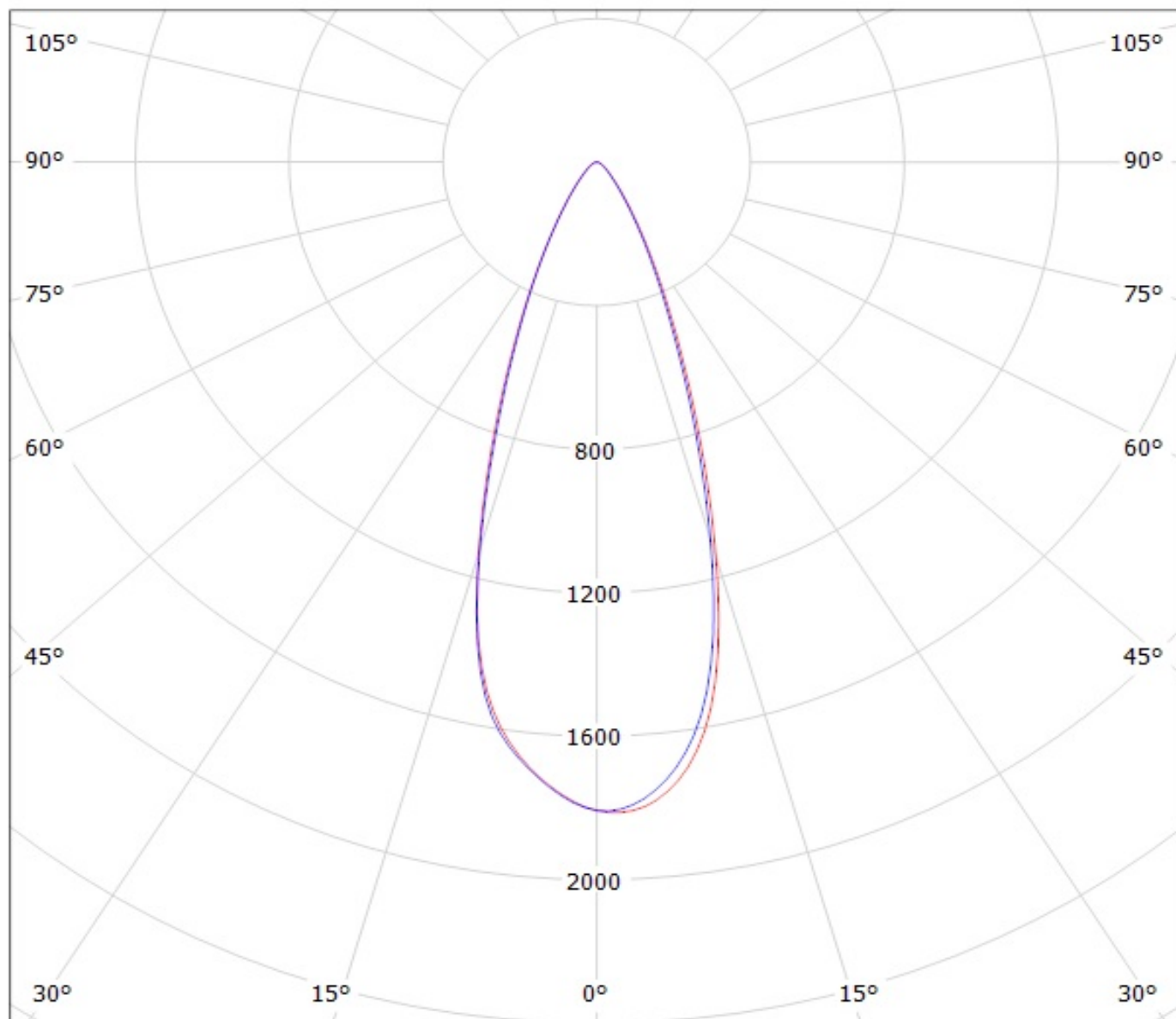
cd/klm

$\eta = 84\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CA11934\_EMILY-W\_(XP-L\_HI)

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



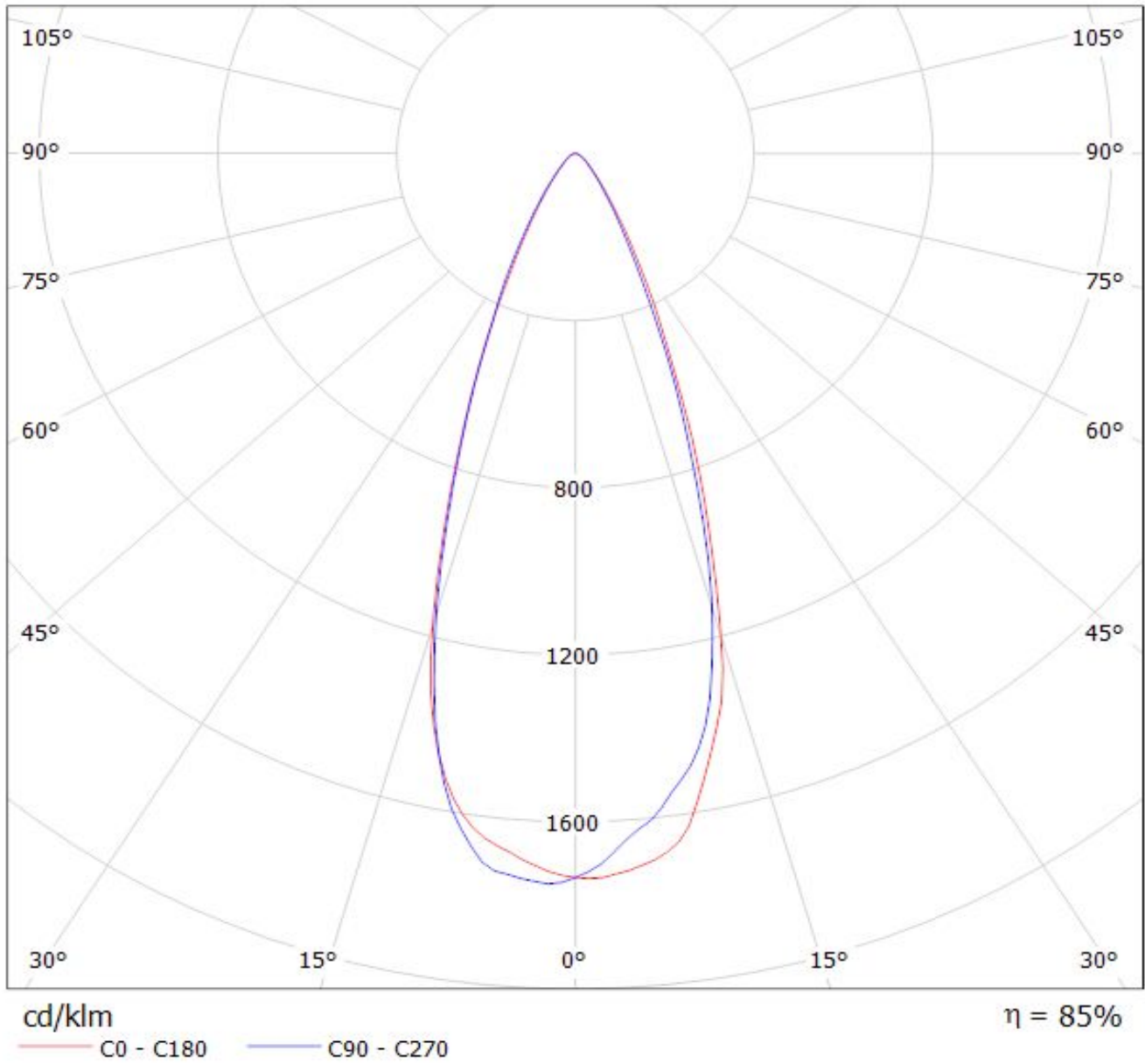
cd/klm

— C0 - C180

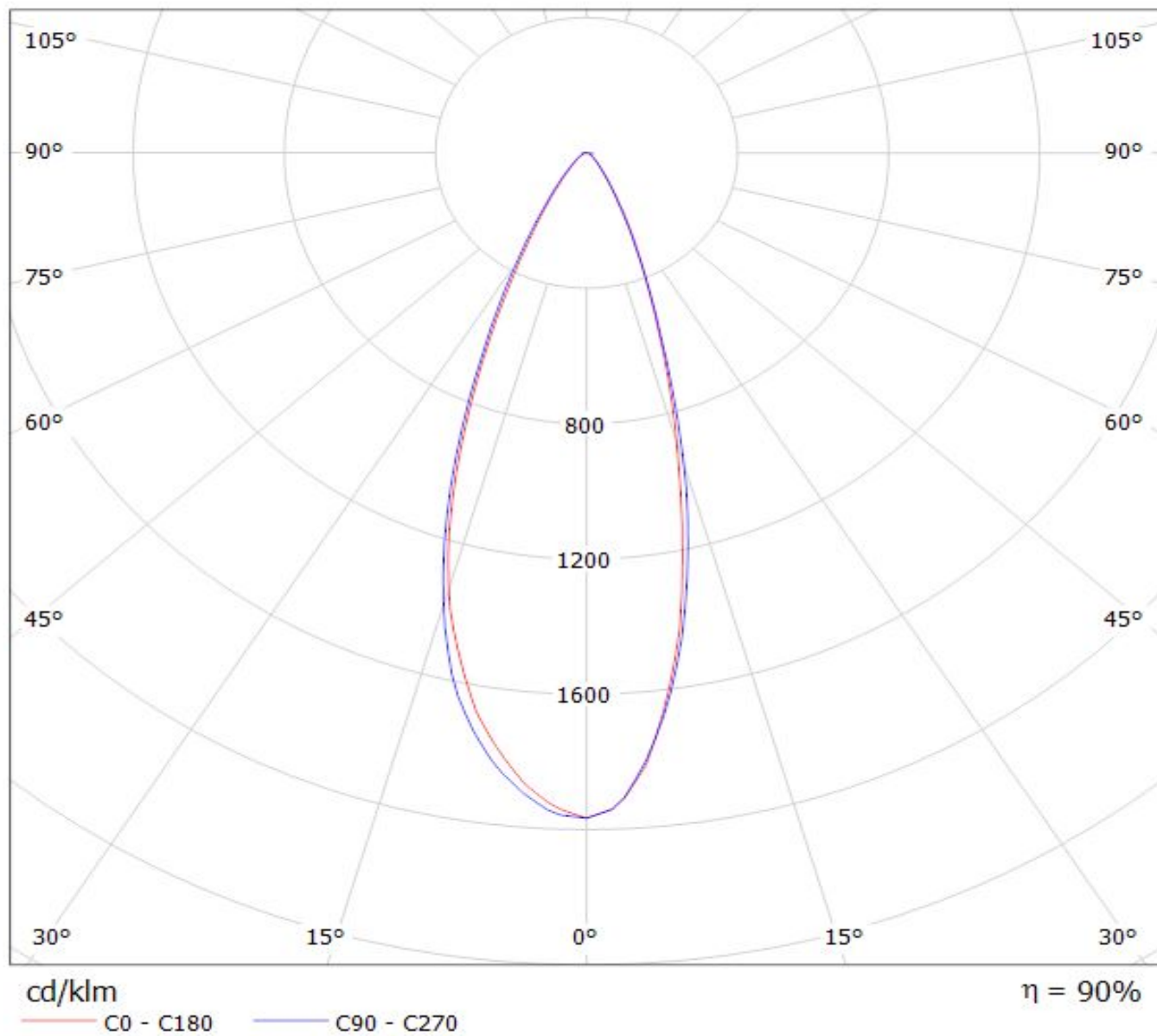
— C90 - C270

$\eta = 86\%$

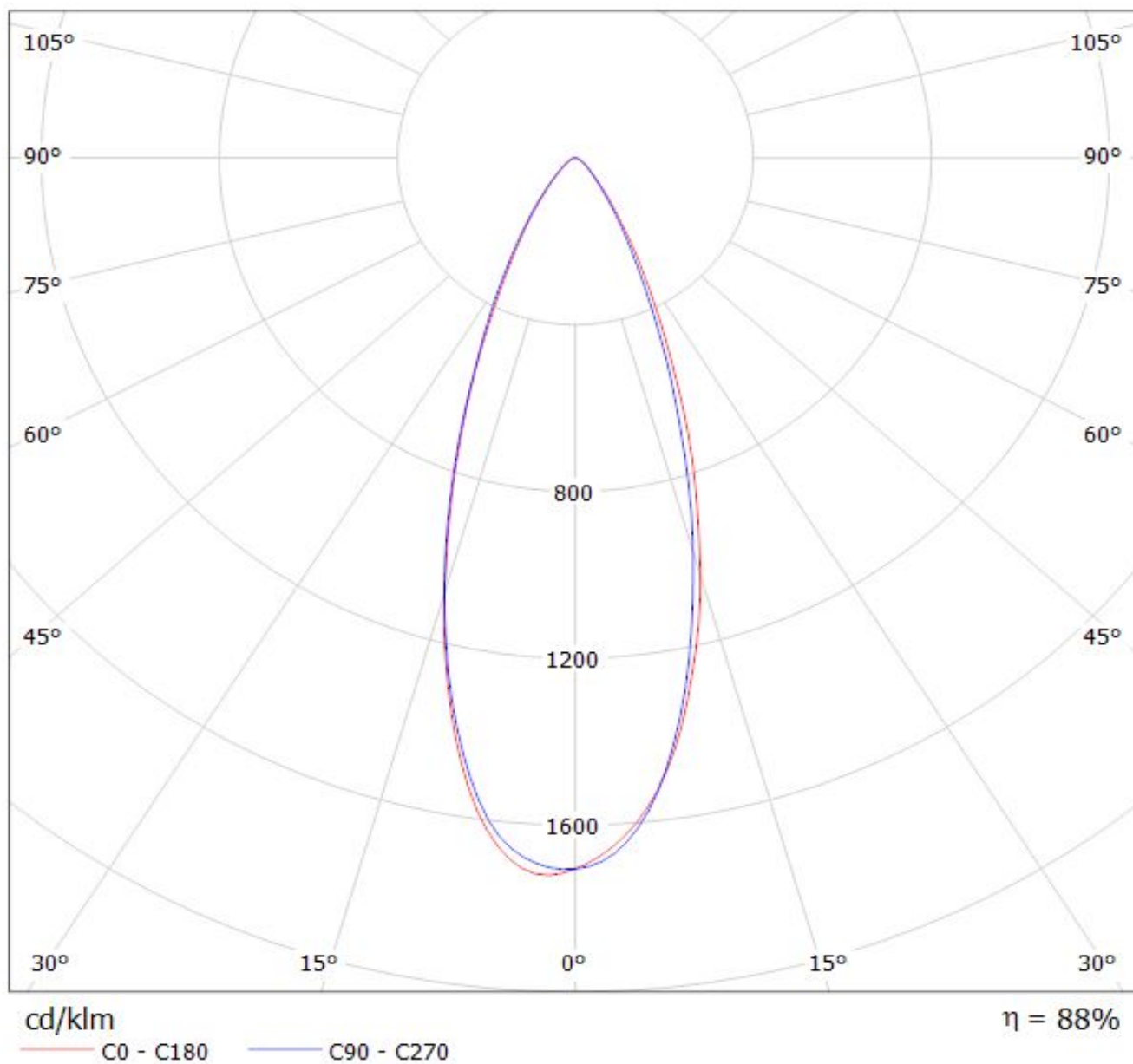
Luminaire: LEDiL Oy CA11934\_EMILY-W\_(XP-G2) Eff.84%  
Lamps: 1 x Cree XP-G2 (98lm@250mA)



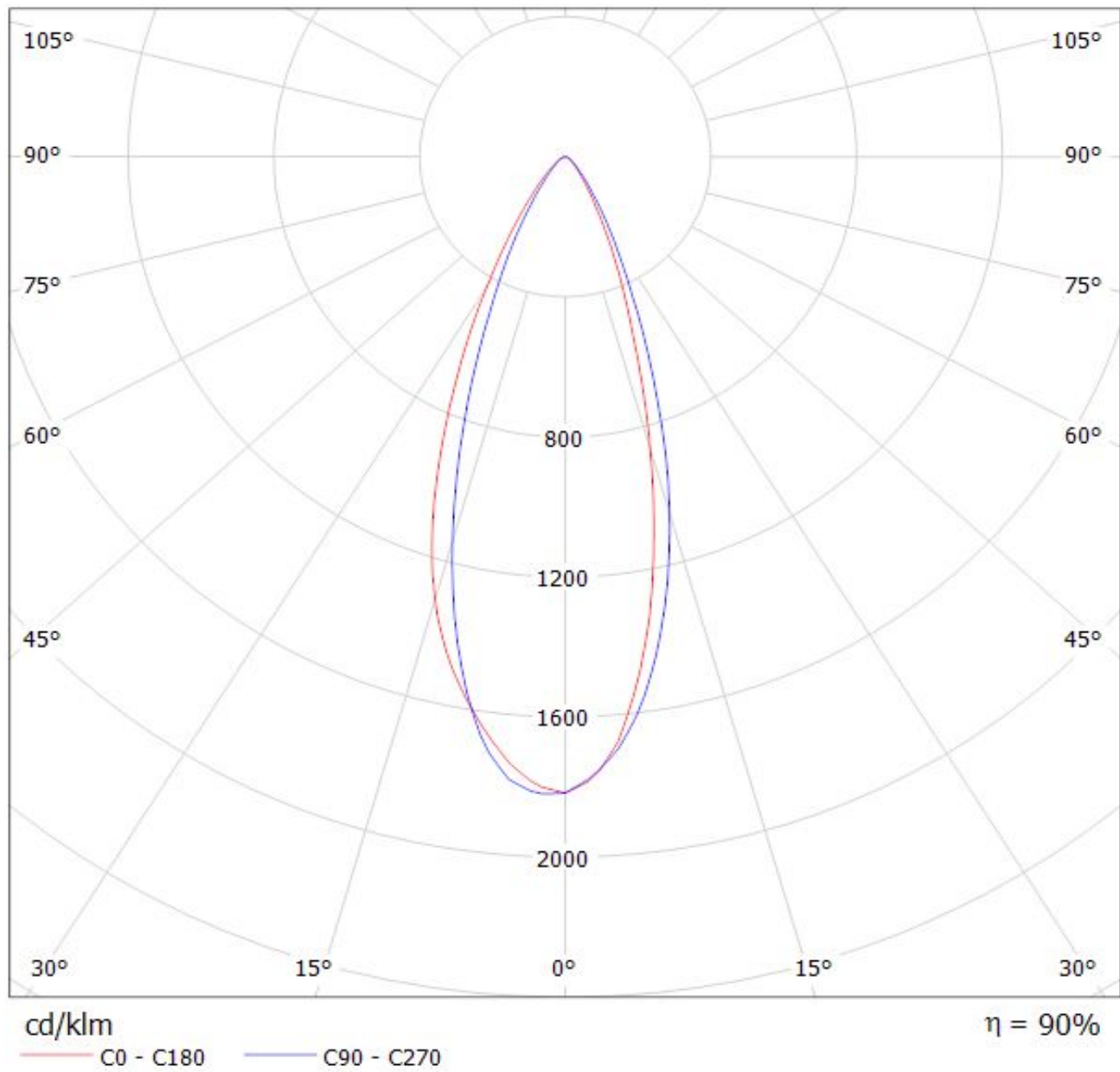
Luminaire: Ledil Oy CA11389-EMILY-O (Osram Square EC 62lm @ 250mA) Efficiency=87%  
Lamps: 1 x Osram Square EC 62lm @ 250mA



Luminaire: Ledil Oy CA11934\_EMILY-W\_(XP-L) Efficiency= 87%  
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

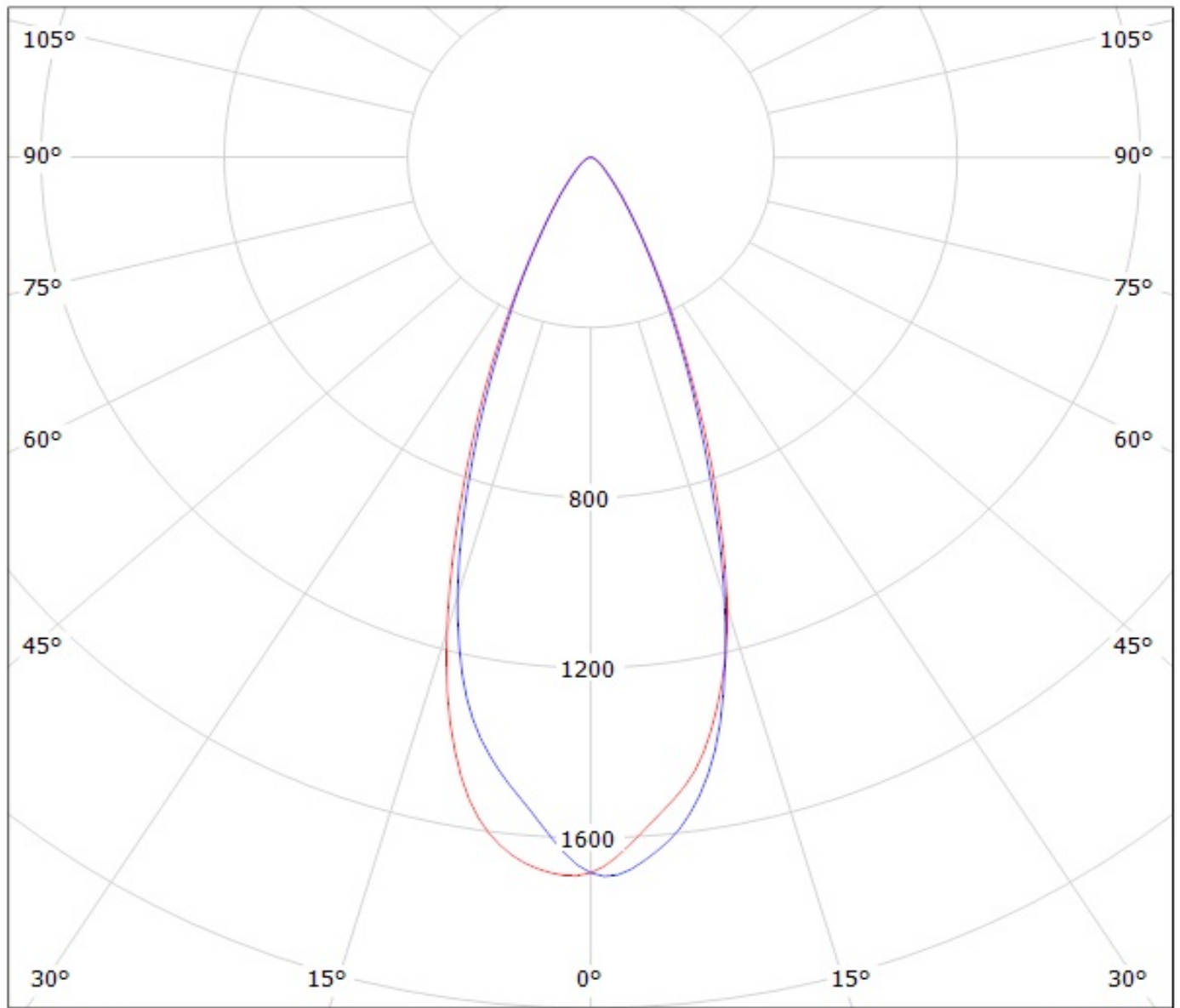


Luminaire: Ledil Oy CA11934\_EMILY-W\_(LH351B) Efficiency=88%  
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: LEDil Oy CA11934\_EMILY-W\_(XP-E2)

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA



cd/klm

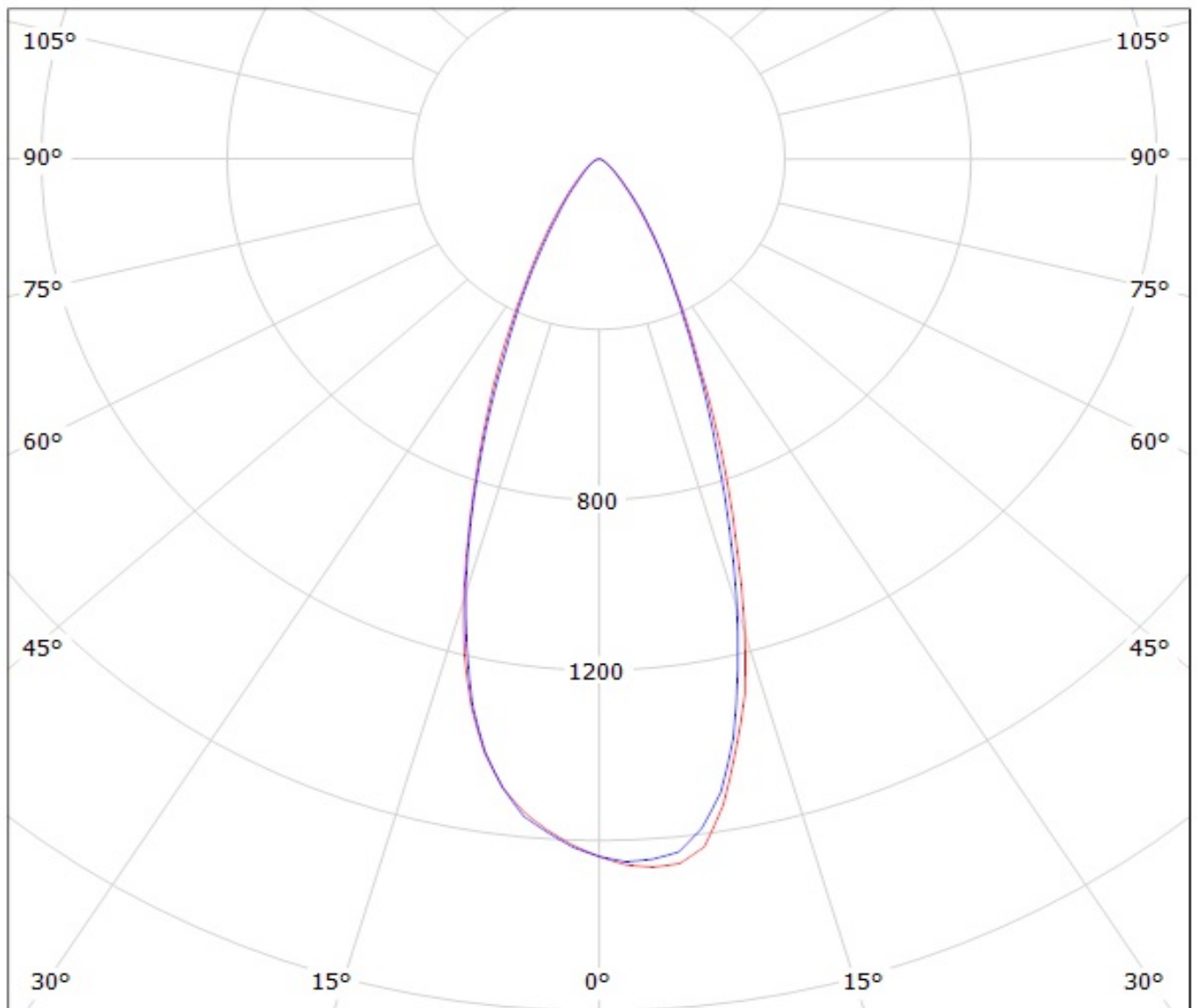
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDil Oy CA11934\_EMILY-W\_(XM-L2) Efficiency=86%

Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



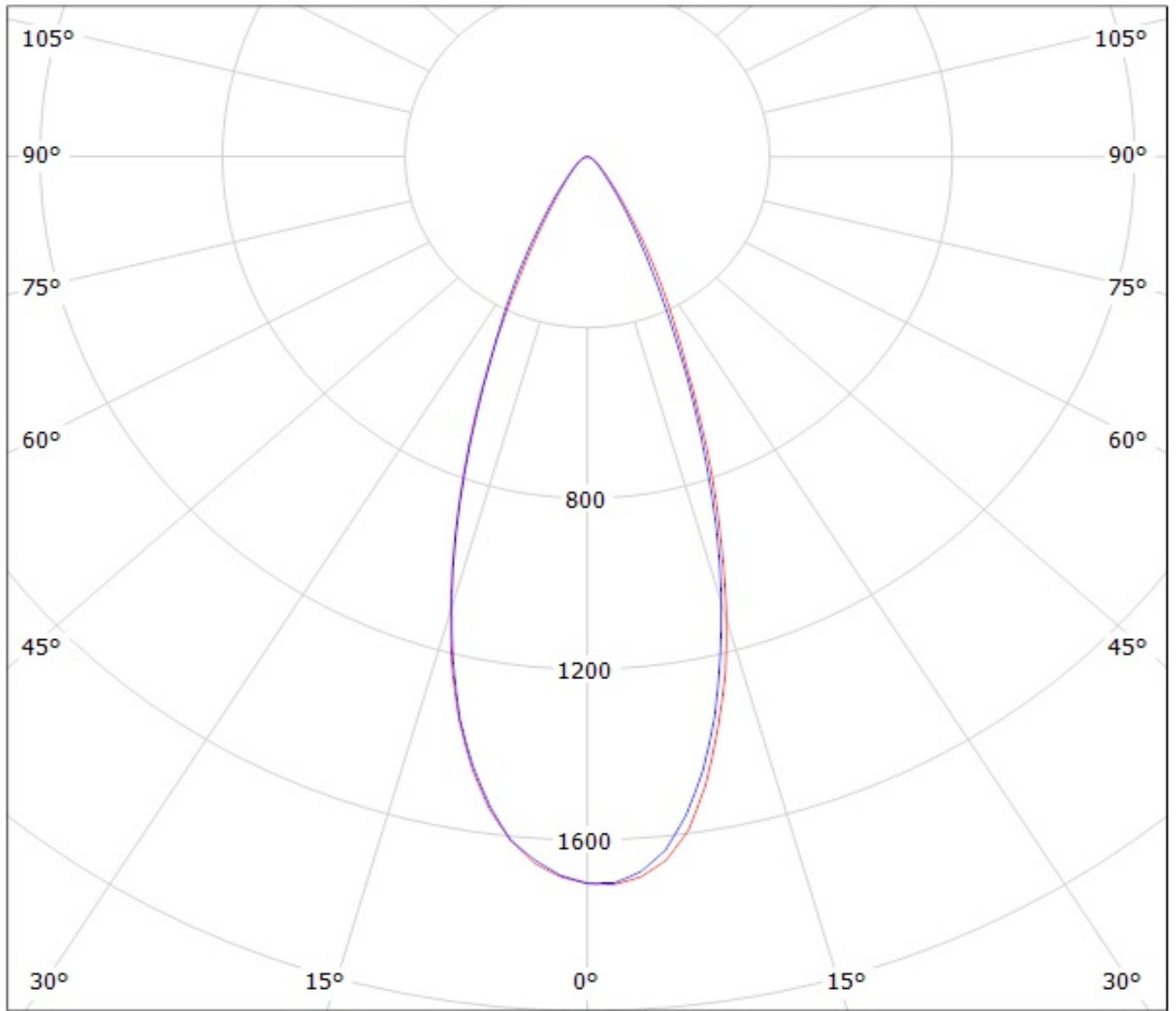
cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: Ledil Oy CA11934\_EMILY-W\_(LH351Z) Efficiency=85%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

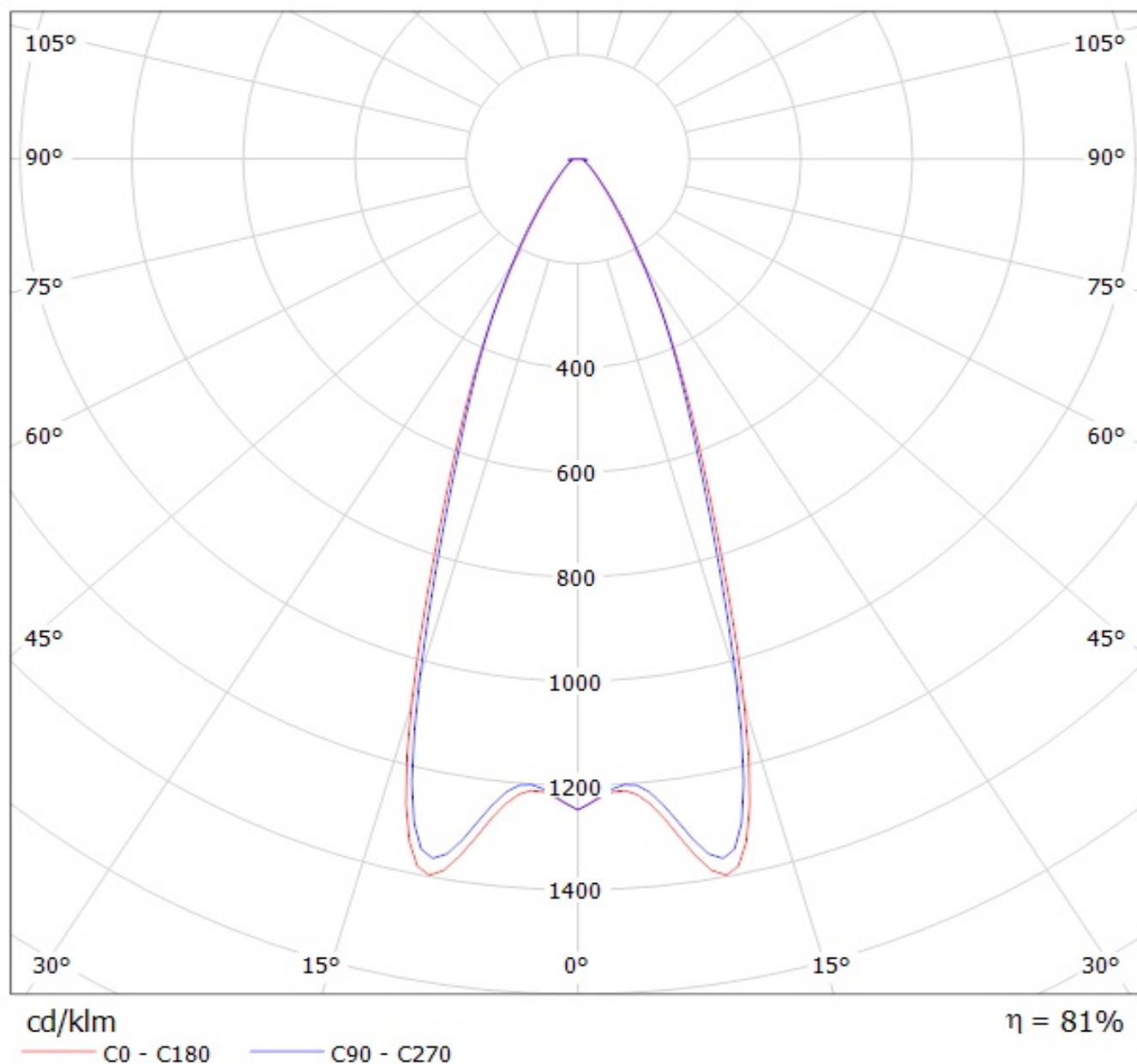


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CA11934\_EMILY-W (Osram Oslon SSL 80°) Efficiency=86%  
Lamps: 1 x Osram Oslon SSL 80° (85lm@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.**