

DETAILS

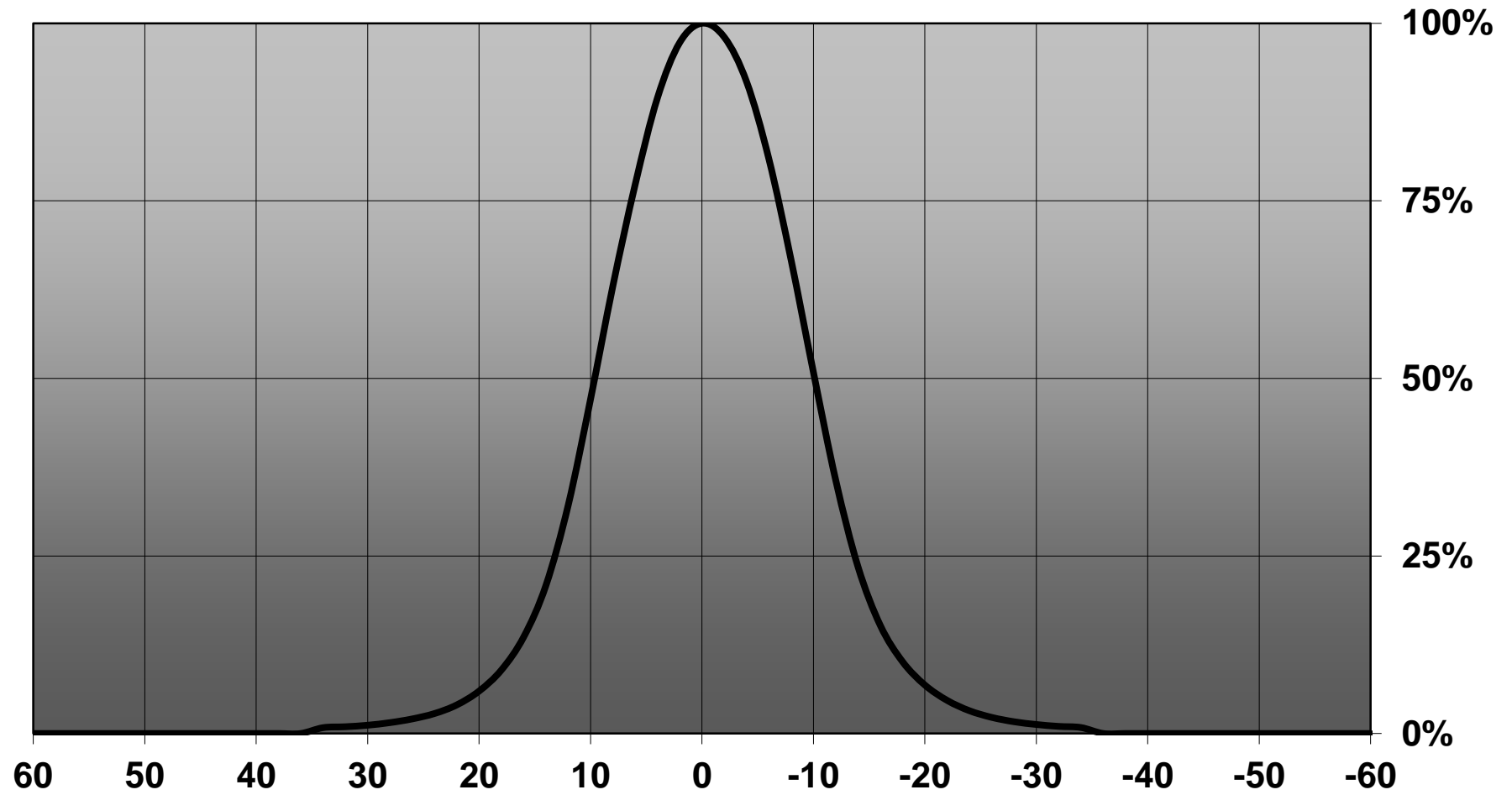
Product Number	C11333_CUTE-3-SS
Family	Cute
Type	Lens array
Color	clear
Diameter	35 mm
Height	15 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	production ready
ROHS Compliant	Yes
Date Updated	7/03/2014



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	10 deg	Smooth spo...	92 %	-	-
XP-G	16 deg	Smooth spo...	92 %	-	-
XM-L	19 deg	Smooth spo...	91 %	-	-
XM-L HVW	sim: 19	Smooth spo...	87 %	-	-
XT-E HVW	sim: 15	Smooth spo...	88 %	-	-
XM-L2	20 deg	Smooth spo...	90 %	6.100	-
XP-L	20 deg	Smooth spo...	89 %	6.500	-
C3535 (Intematix)	12 deg	Smooth spo...	-	-	-
LUXEON Rebel	12 deg	Smooth spo...	93 %	-	-
LUXEON Rebel ES	13 deg	Smooth spo...	93 %	-	-
LUXEON T	15 deg	Smooth spo...	89 %	9.800	-
LUXEON H50-2	sim: 14	Smooth spo...	sim: 90 %	sim: 10.500-	-
LUXEON TX	14 deg	Smooth spo...	89 %	10.700	-
NCSxx19A	12 deg	Smooth spo...	88 %	-	-
NVSxx19A	14 deg	Smooth spo...	88 %	-	-
NCSxx19B	12 deg	Smooth spo...	86 %	12.700	-
NVSxx19B/NVSxx19C	sim: 16	Smooth spo...	sim: 91 %	sim: 8.270	-
Oslon SSL 80	10 deg	Smooth spo...	90 %	-	-
Oslon SSL 150	13 deg	Smooth spo...	-	-	-
Z5M1/Z5M2	sim: 12	Smooth spo...	sim: 94 %	sim: 12.400-	-
TL1L3	15 deg	Smooth spo...	88 %	5.700	-

Relative intensity of C11333_CUTE-3-SS_(XP-L)



—1

D

C

B

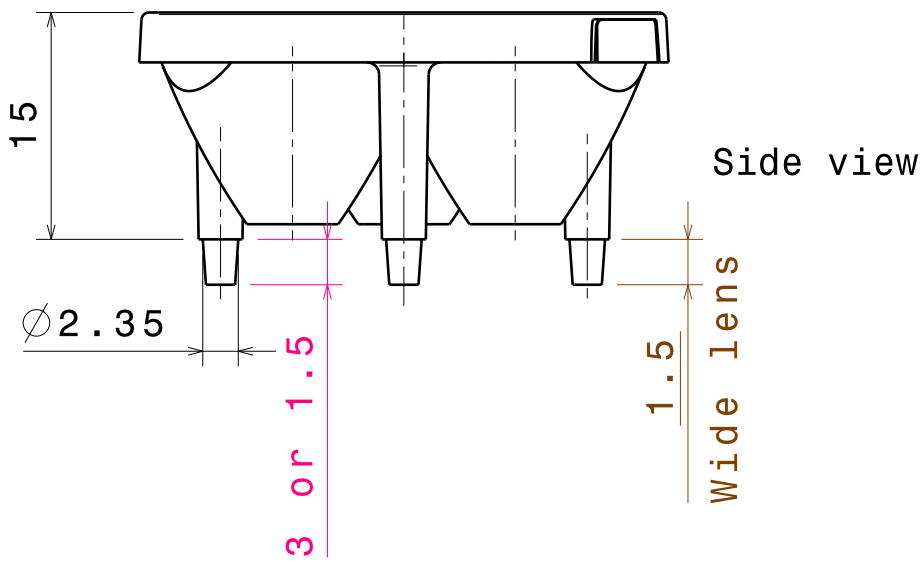
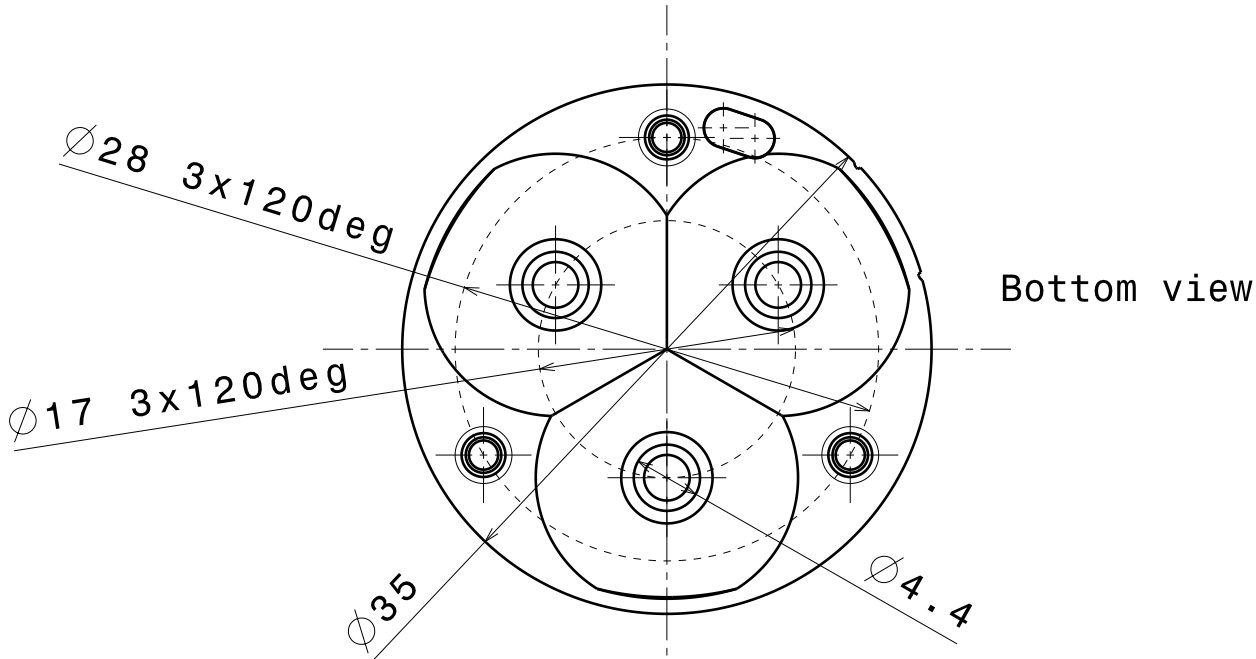
A

4

3

2

1



Material: PMMA

Part no.s;

Spot:

C10754_Cute-3-SS

C11333_Cute-3-SS, pin head length =1.5mm

Medium:

C10755_Cute-3-M

C11334_Cute-3-M, pin head length =1.5mm

Wide:

C10756_Cute-3-W

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Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Cute-3 Lens Series

DRAWN BY

pv

DATE

08.02.2010

CHECKED BY

TK

DATE

09.09.2008

SIZE

A4

DRAWING NUMBER

REV

1

DESIGNED BY

HH

DATE

09.09.2008

SCALE

2:1

WEIGHT (g)

SHEET

1/1

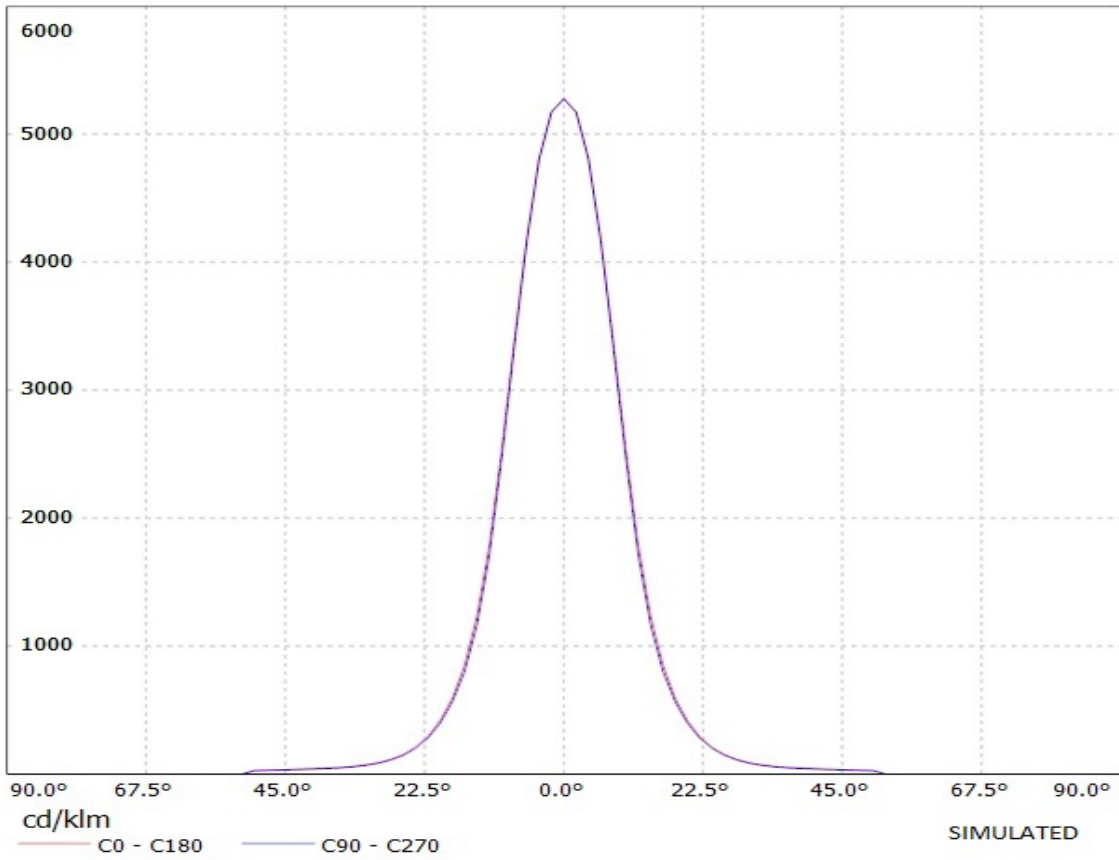
D

A

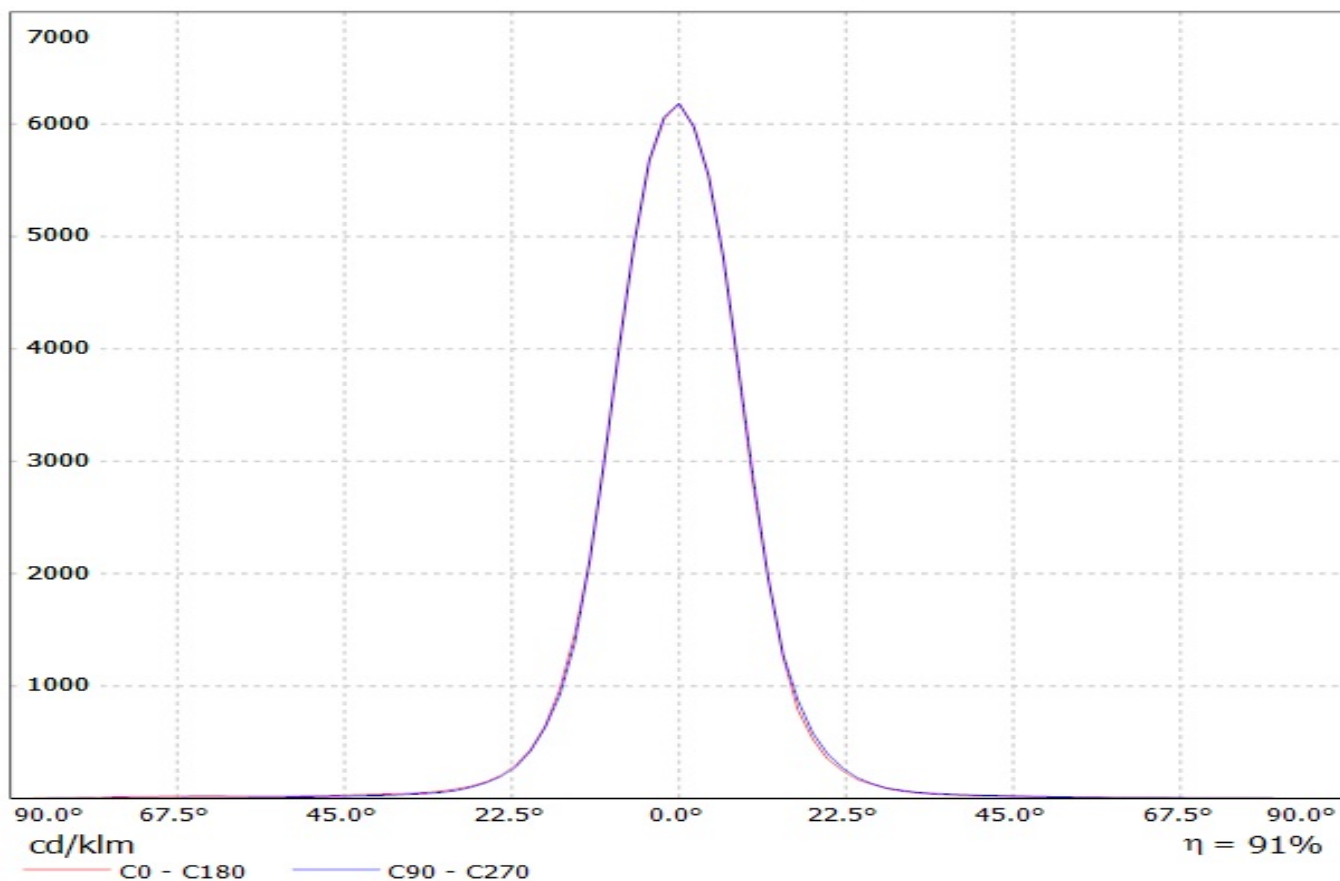
1

Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM / LDC (Linear)

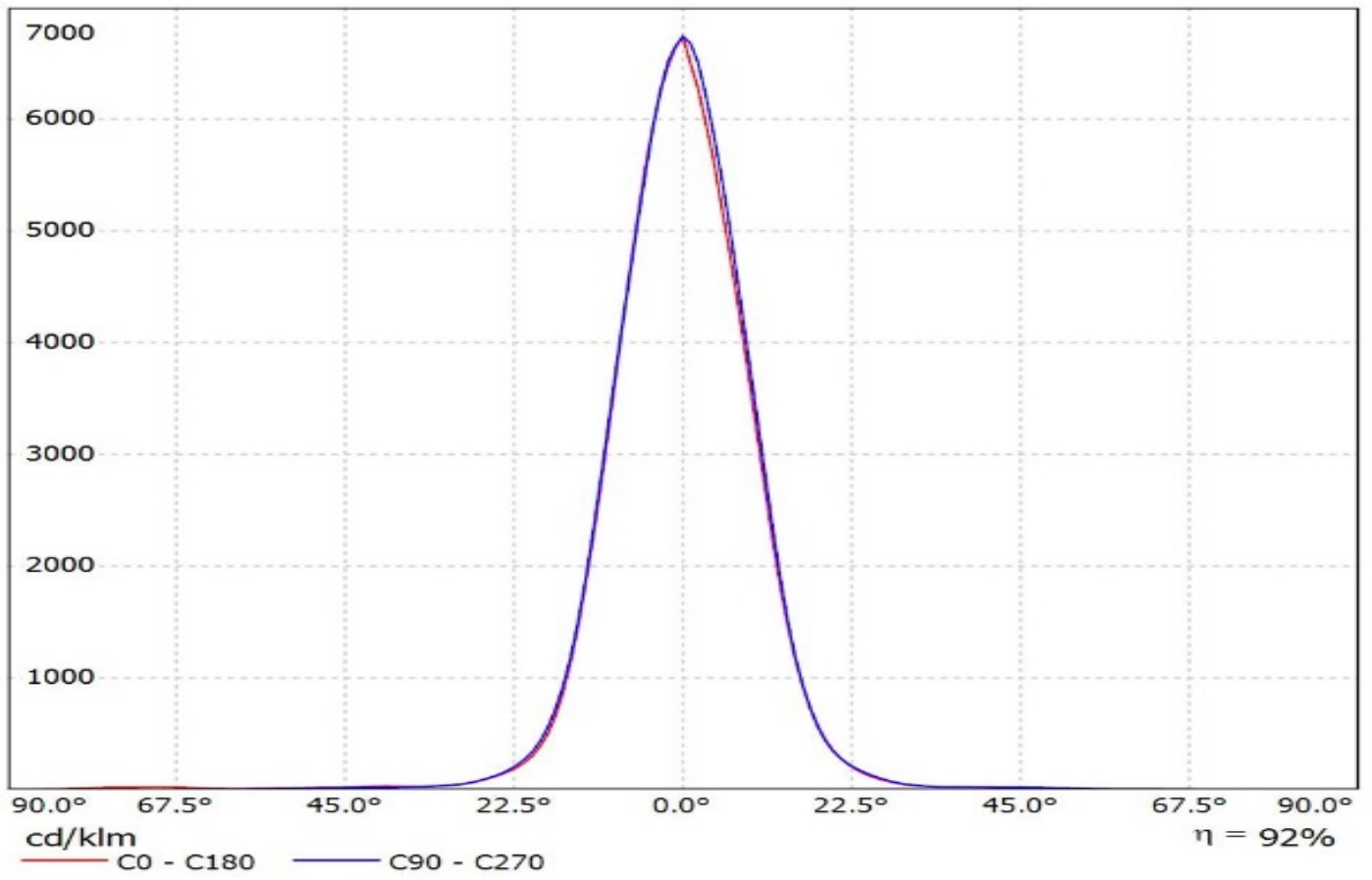
Luminaire: Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM
Lamps: 1 x Cree XM-L x3



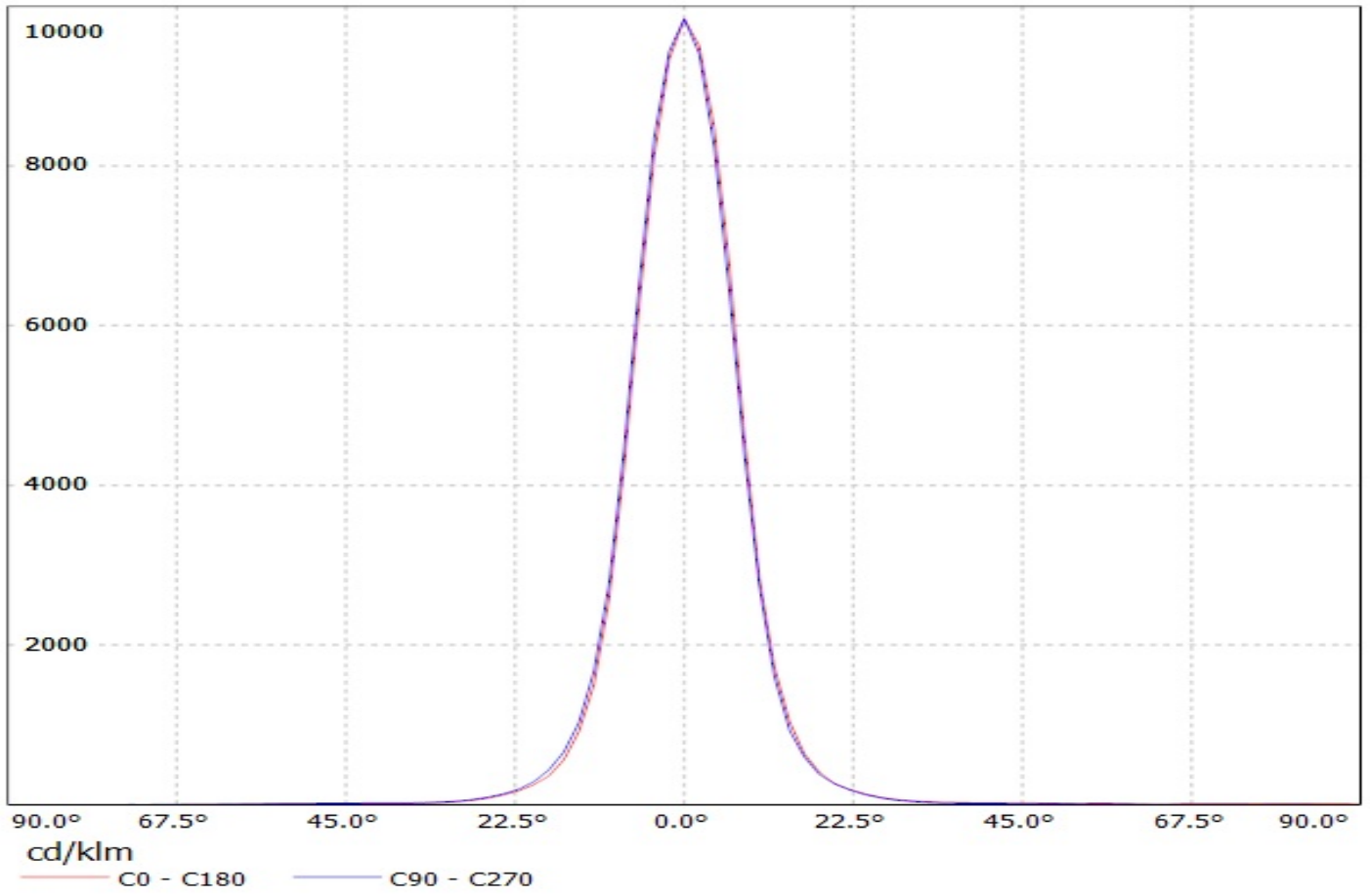
Luminaire: LEDil Oy C11333_CUTE-3-SS_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7BE-T30-0L-0001) 268lm @ 250mA CCT=3200K P=2.1W I=250mA



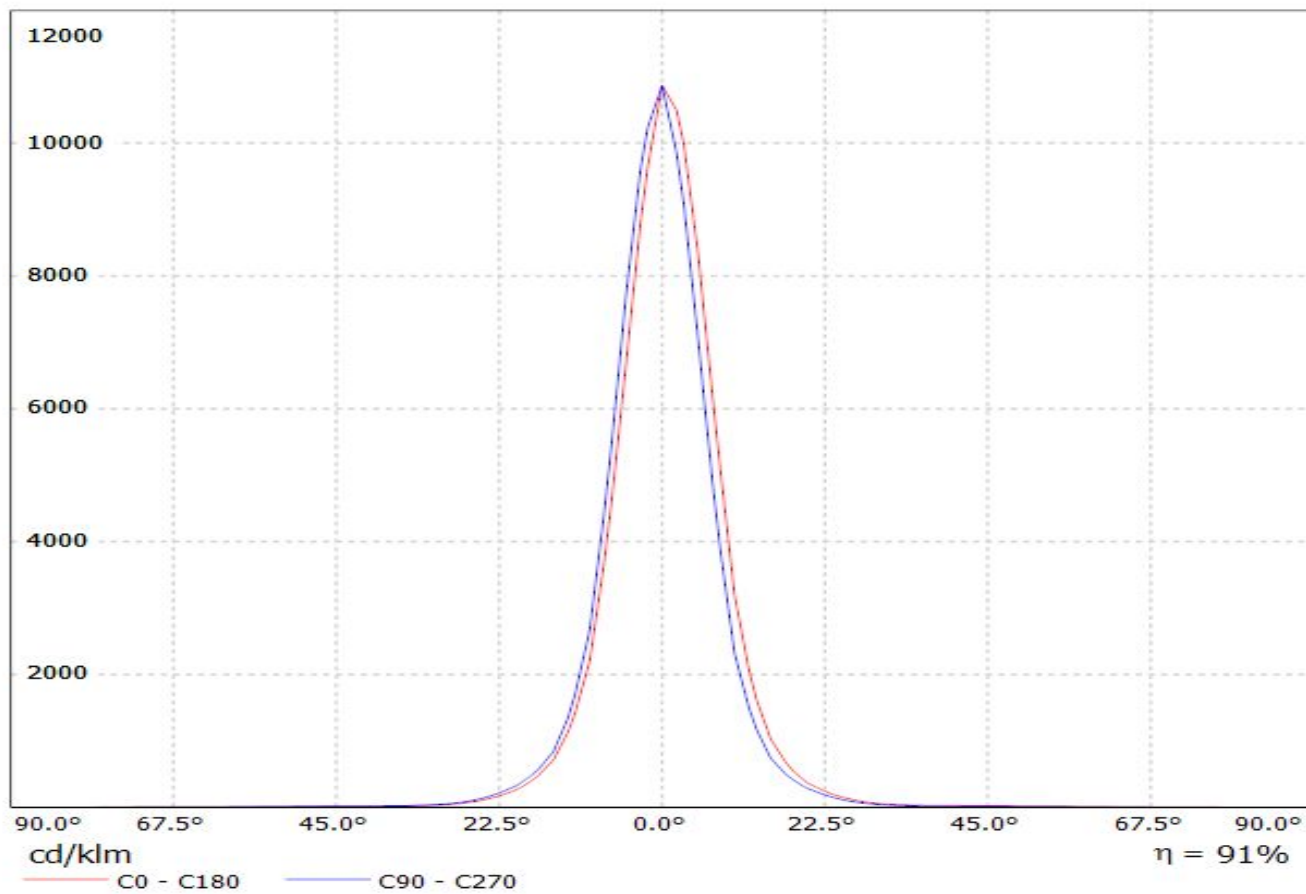
Luminaire: Ledil Oy C11333_CUTE-3-SS-XP-L_SIMULATED
Lamps: 1 x Cree XP-L



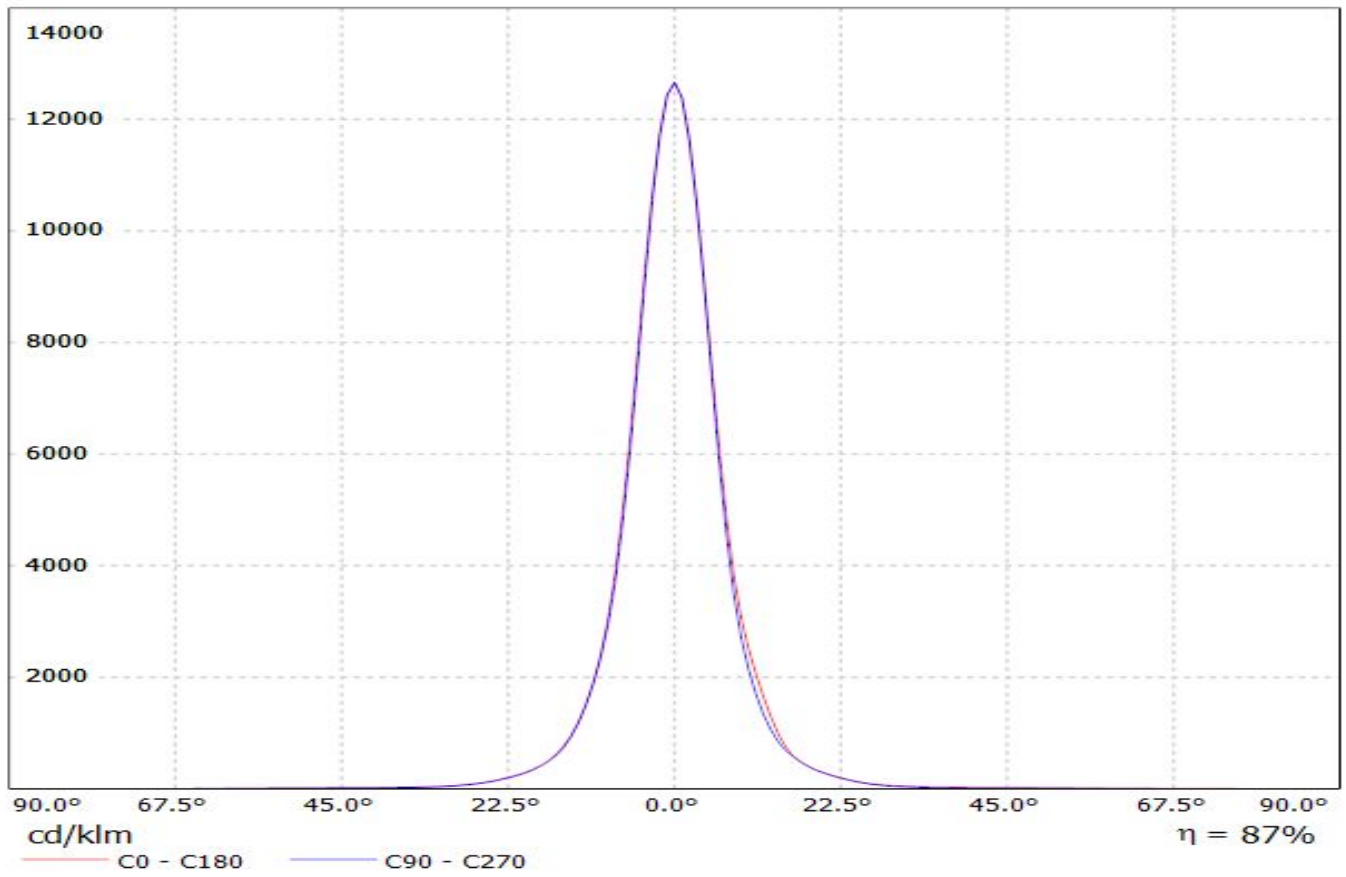
Luminaire: Ledil Oy C11333_Cute-3-SS (Luxeon T 217lm @ 250mA) Efficiency=89%
Lamps: 1 x Luxeon T 217lm @ 250mA



Luminaire: Ledil Oy C11333_CUTE-3-SS_(Luxeon_TX) Efficiency=89%
Lamps: 1 x Luxeon TX 240lm @ 250mA CCT= P=2.09W I=250mA



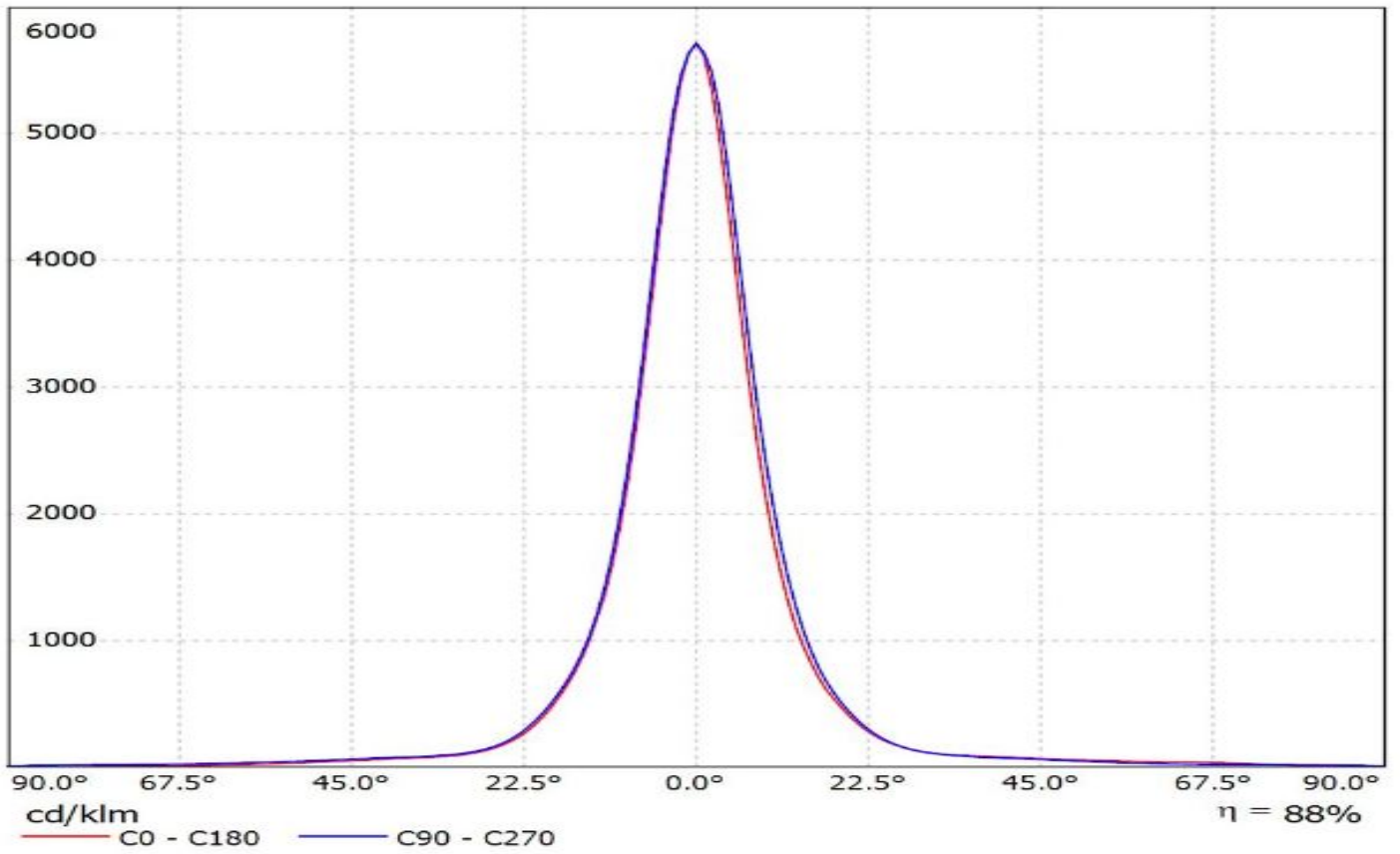
Luminaire: LEDiL Oy C11333_CUTE-3-SS_(NCSxx19B) Eff. 86%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 256lm @ 250mA CCT=3000K P=2.3W I=250mA



Ledil C11333_CUTE-3-SS_(TL1L3) / LDC (Linear)

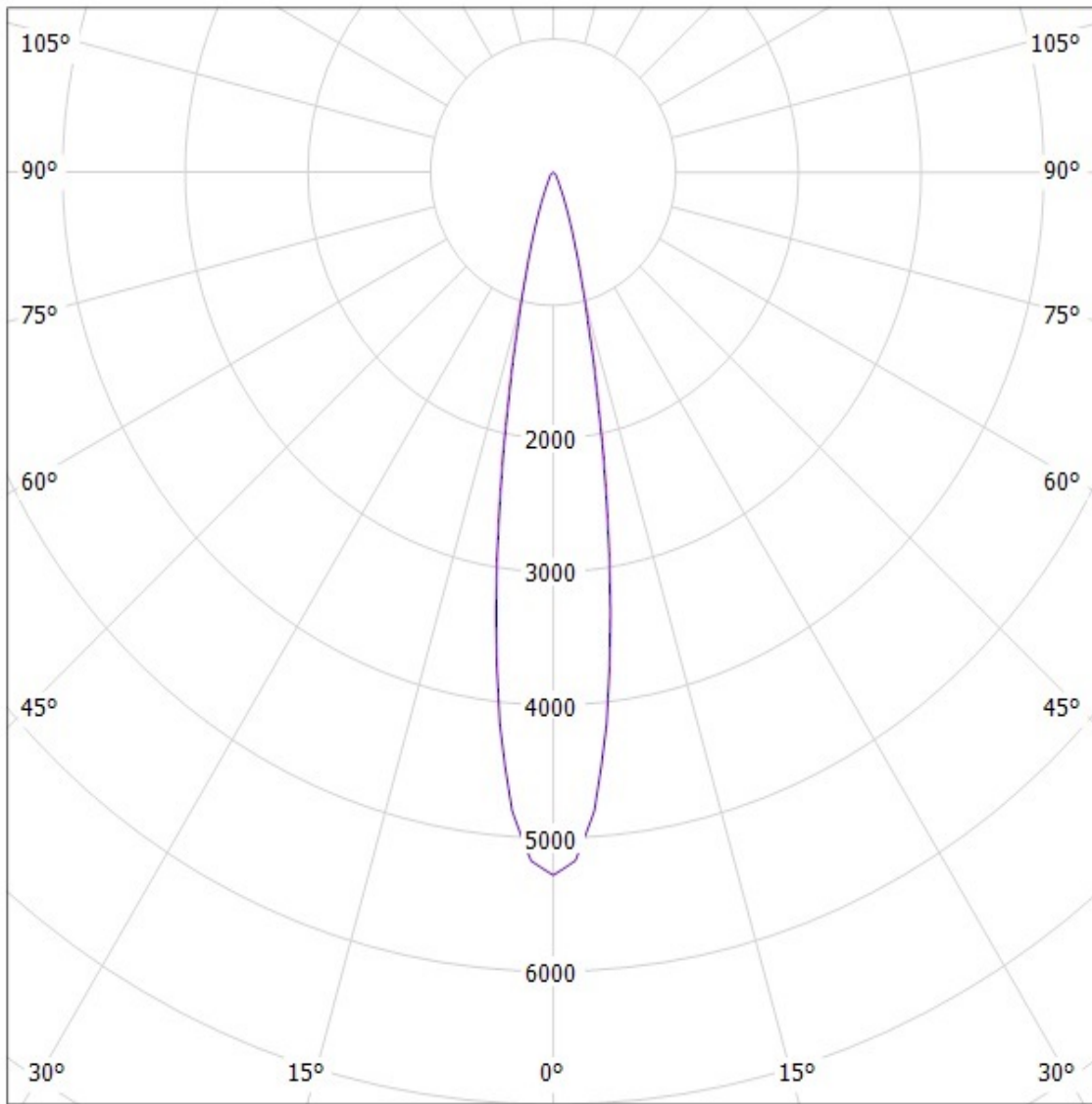
Luminaire: Ledil C11333_CUTE-3-SS_(TL1L3)

Lamps: 1 x Toshiba_TL1L3_cute3_270.4lm@250mA_P=2.829W_I=0.25A



Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM / LDC (Polar)

Luminaire: Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM
Lamps: 1 x Cree XM-L x3

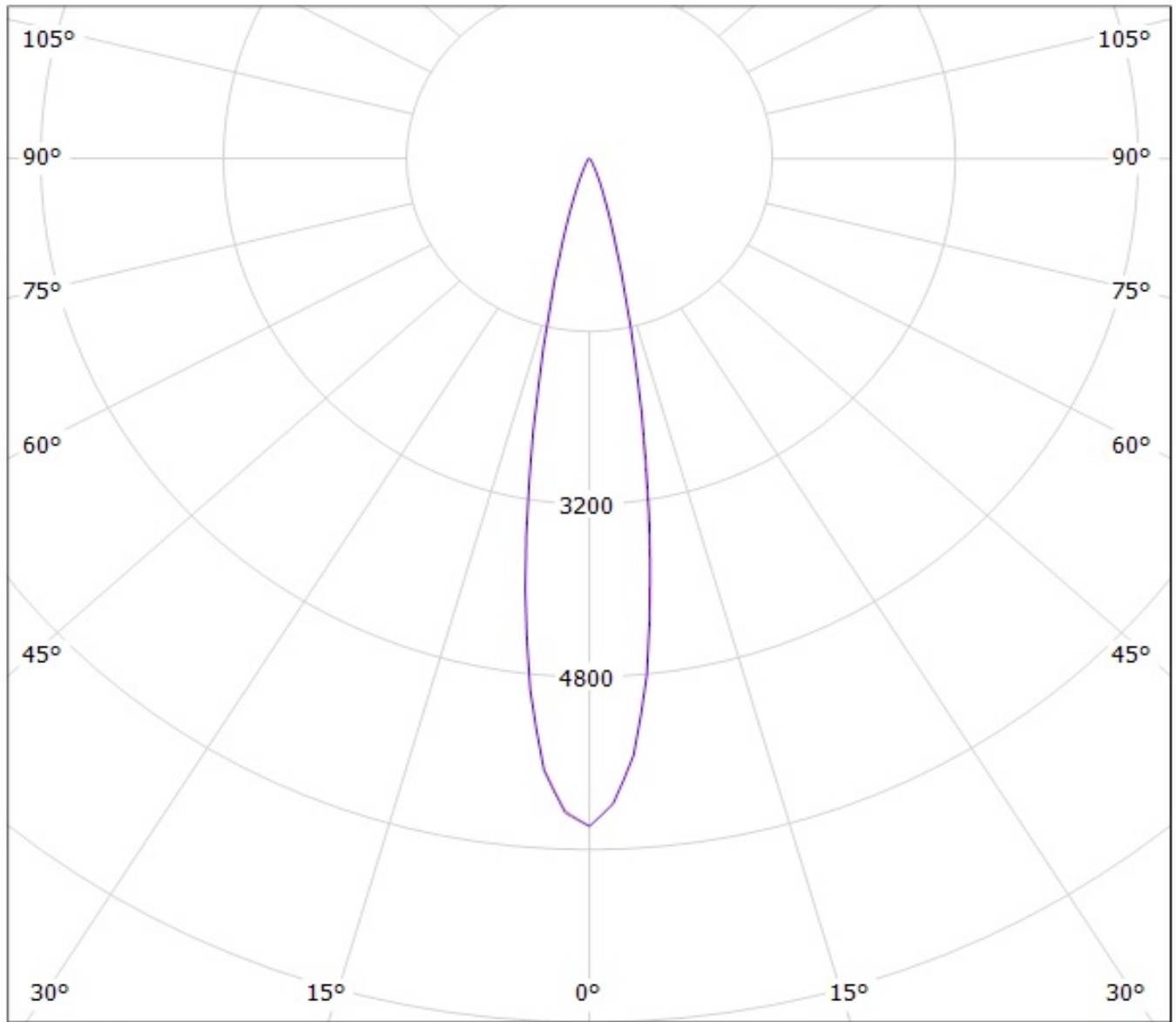


cd/klm

— C0 - C180 — C90 - C270

SIMULATED

Luminaire: LEDil Oy C11333_CUTE-3-SS_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7BE-T30-0L-0001) 268lm @ 250mA CCT=3200K P=2.1W I=250mA

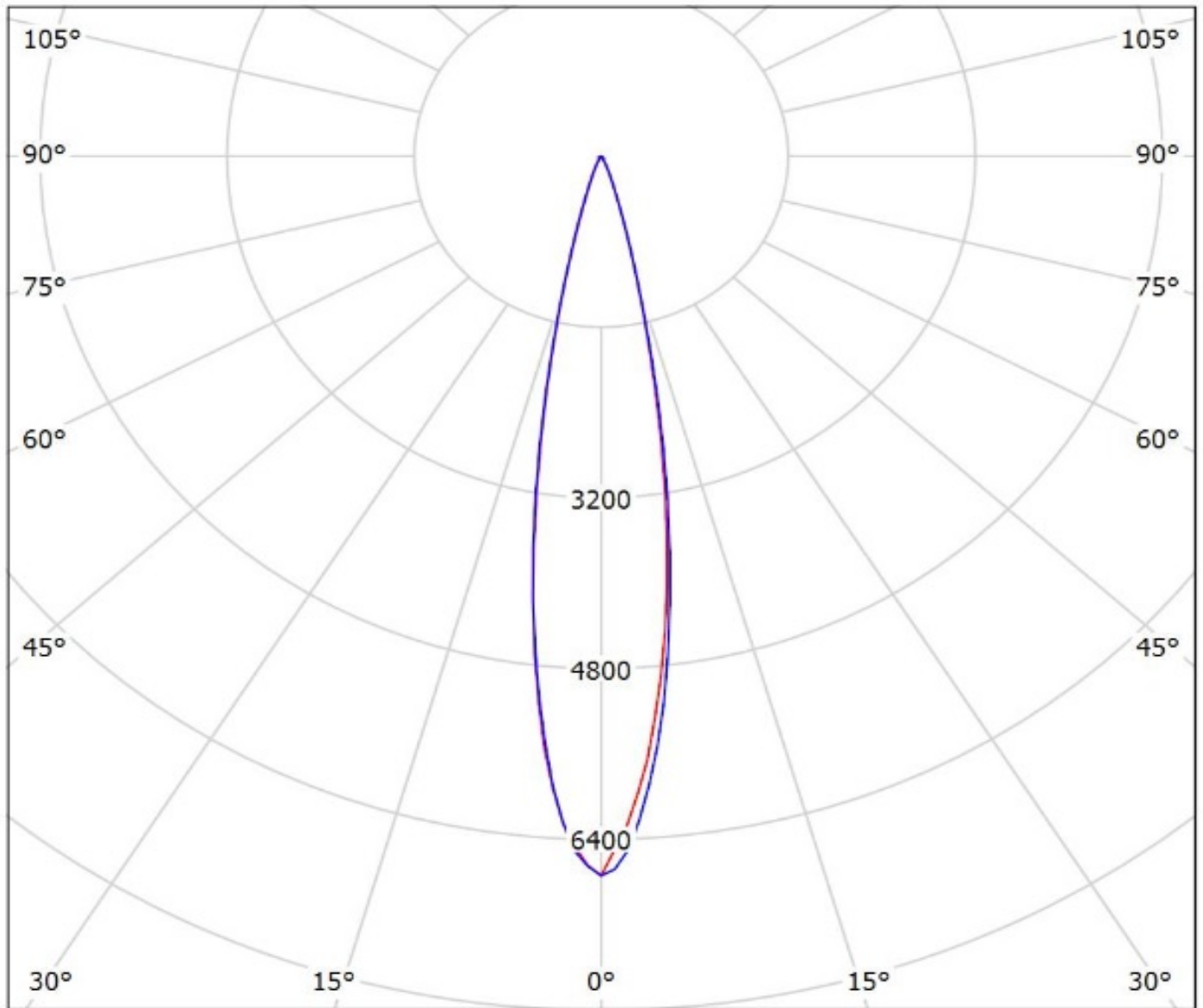


cd/klm

— C0 - C180

— C90 - C270

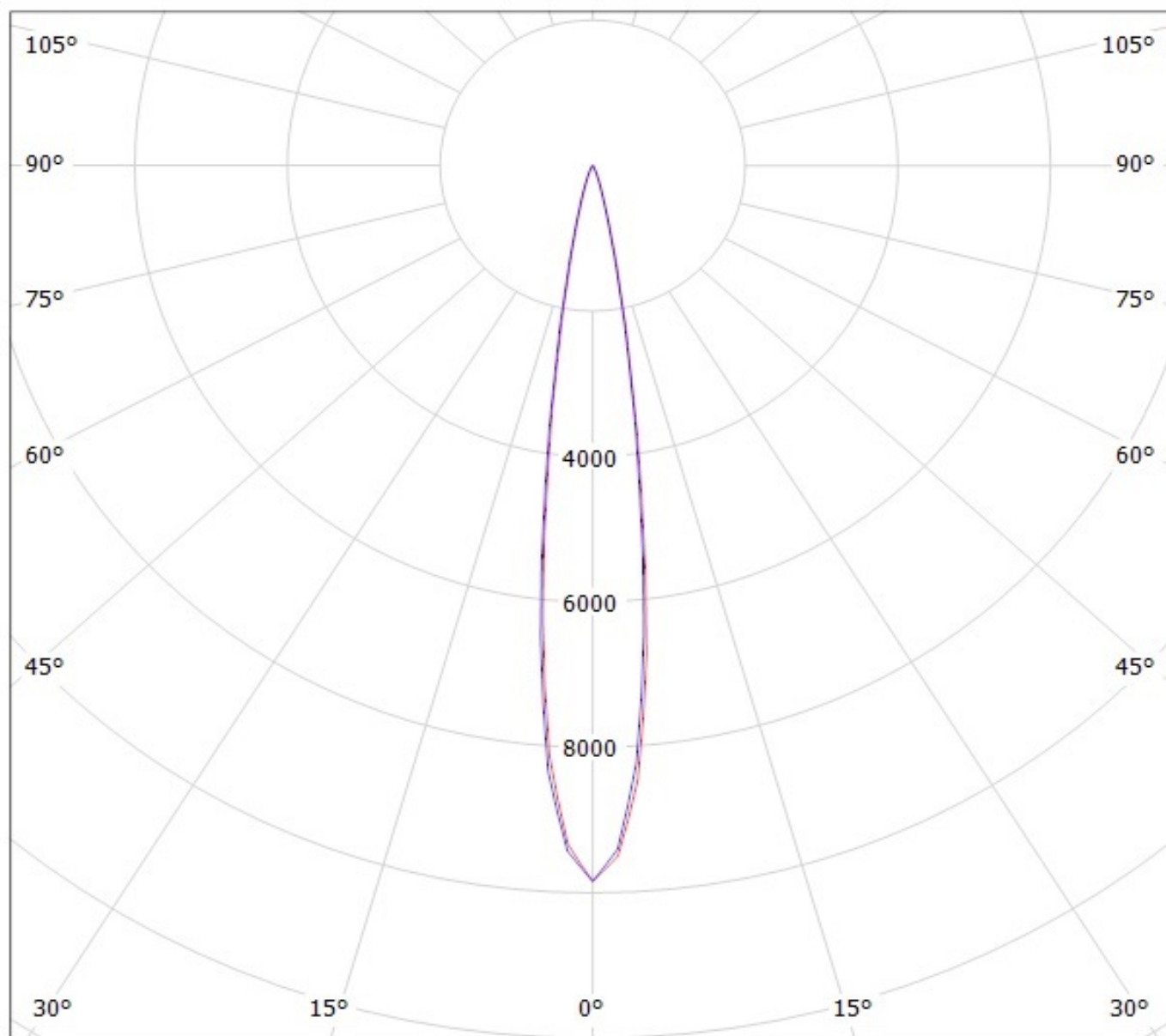
Luminaire: Ledil Oy C11333_CUTE-3-SS-XP-L_SIMULATED
Lamps: 1 x Cree XP-L



cd/klm
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy C11333_Cute-3-SS (Luxeon T 217lm @ 250mA) Efficiency=89%
Lamps: 1 x Luxeon T 217lm @ 250mA

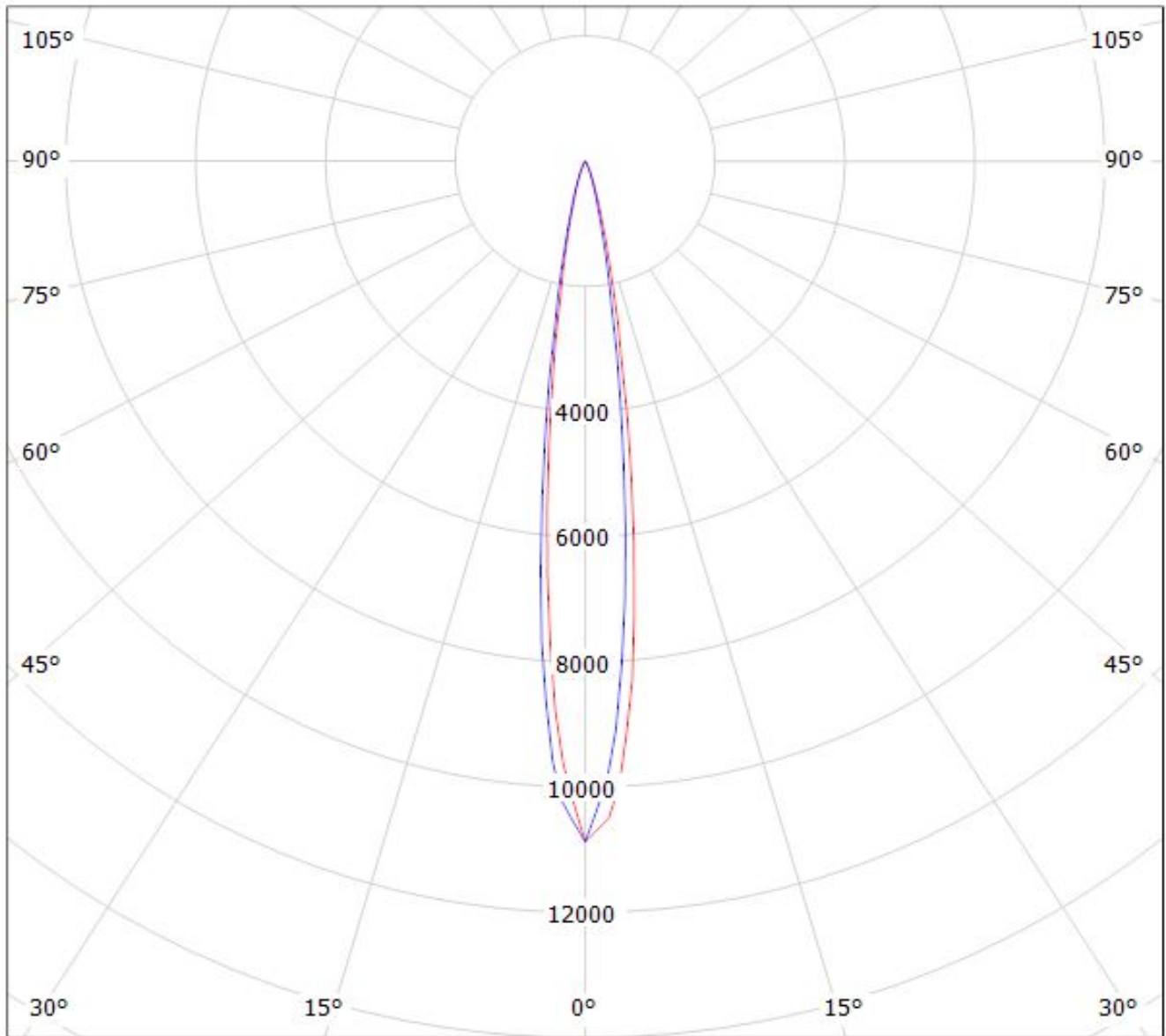


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C11333_CUTE-3-SS_(Luxeon_TX) Efficiency=89%
Lamps: 1 x Luxeon TX 240lm @ 250mA CCT= P=2.09W I=250mA



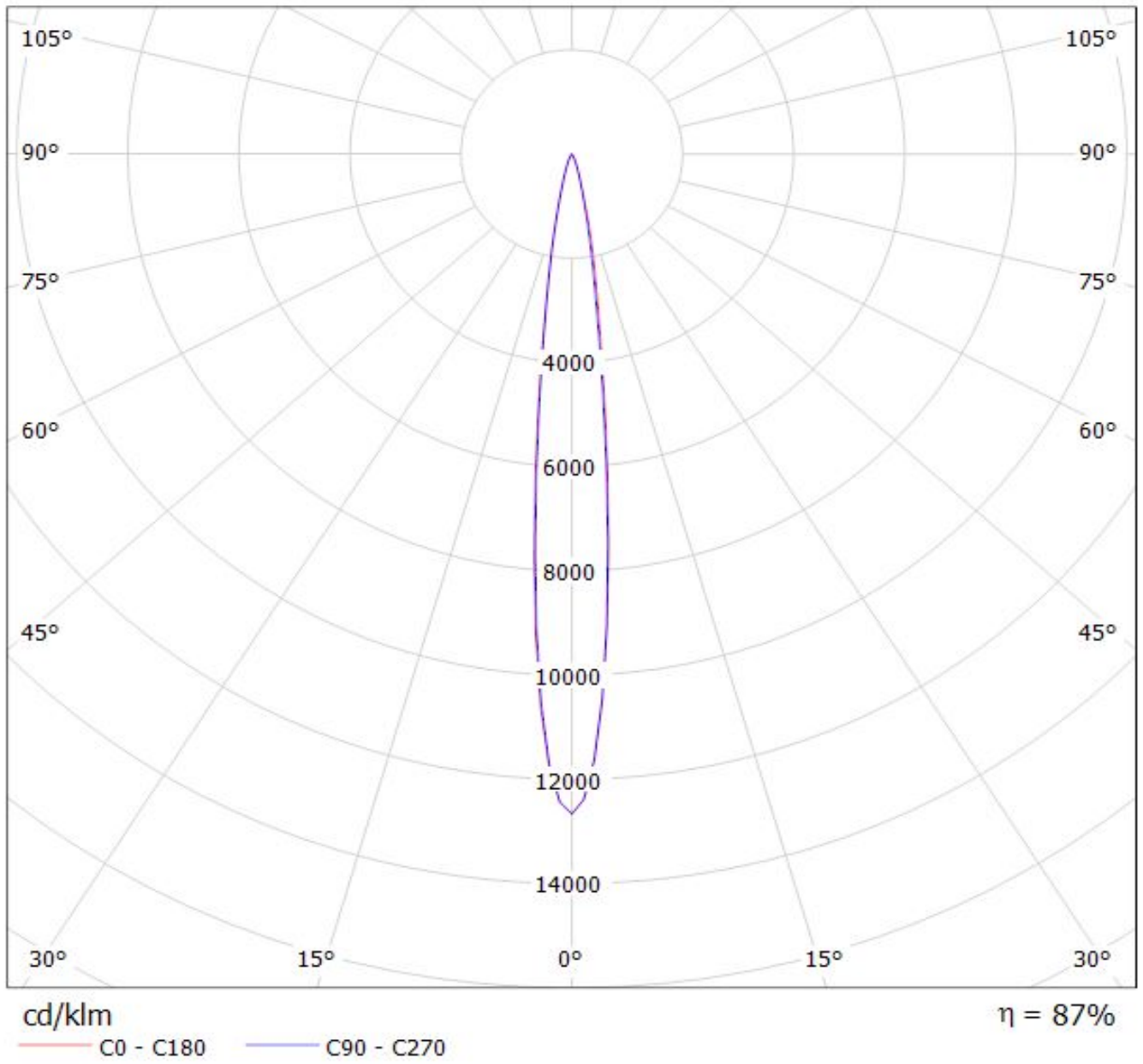
cd/klm

$\eta = 91\%$

— C0 - C180

— C90 - C270

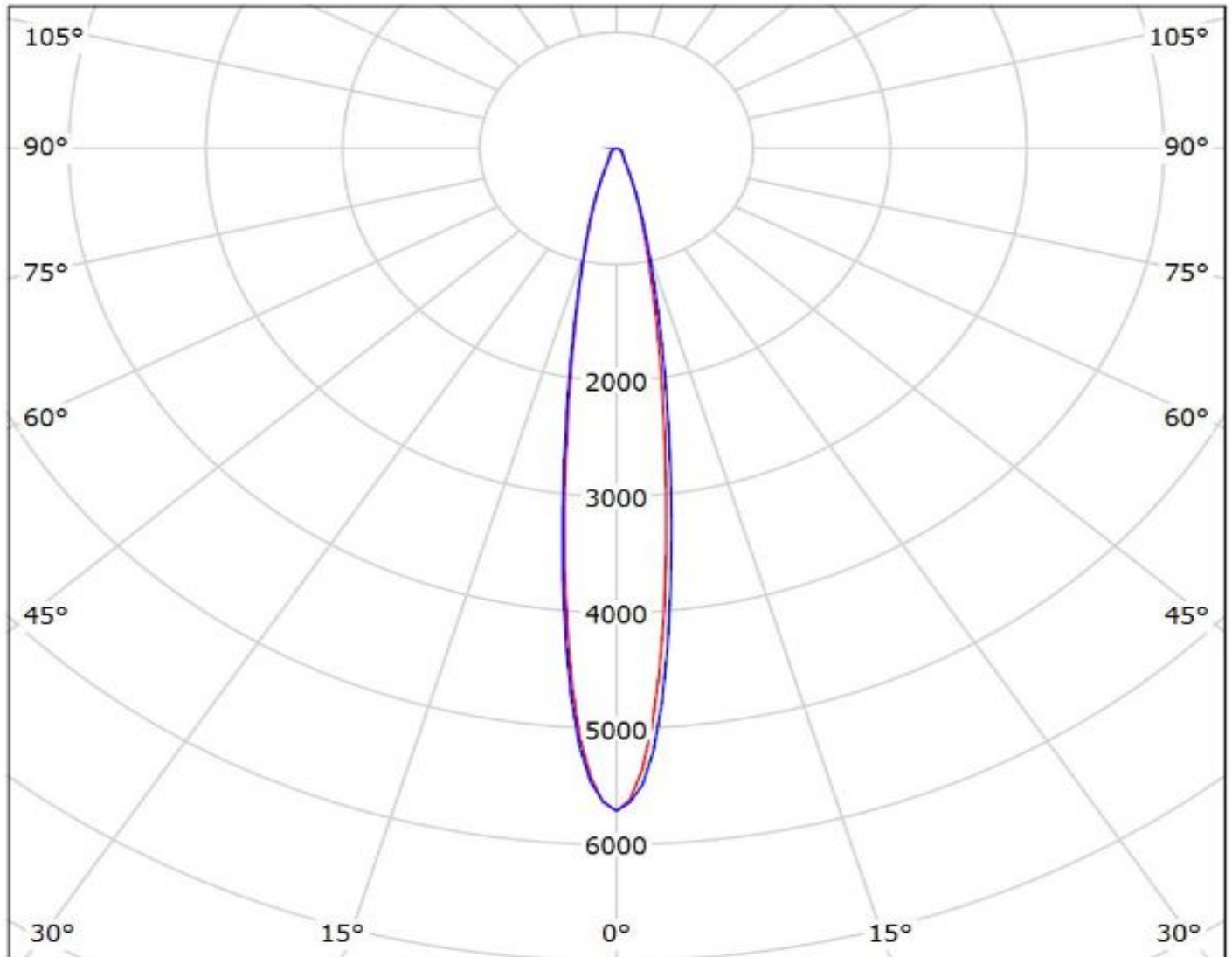
Luminaire: LEDiL Oy C11333_CUTE-3-SS_(NCSxx19B) Eff. 86%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 256lm @ 250mA CCT=3000K P=2.3W I=250mA



Ledil C11333_CUTE-3-SS_(TL1L3) / LDC (Polar)

Luminaire: Ledil C11333_CUTE-3-SS_(TL1L3)

Lamps: 1 x Toshiba_TL1L3_cute3_270.4lm@250mA_P=2.829W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

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.