

## DETAILS

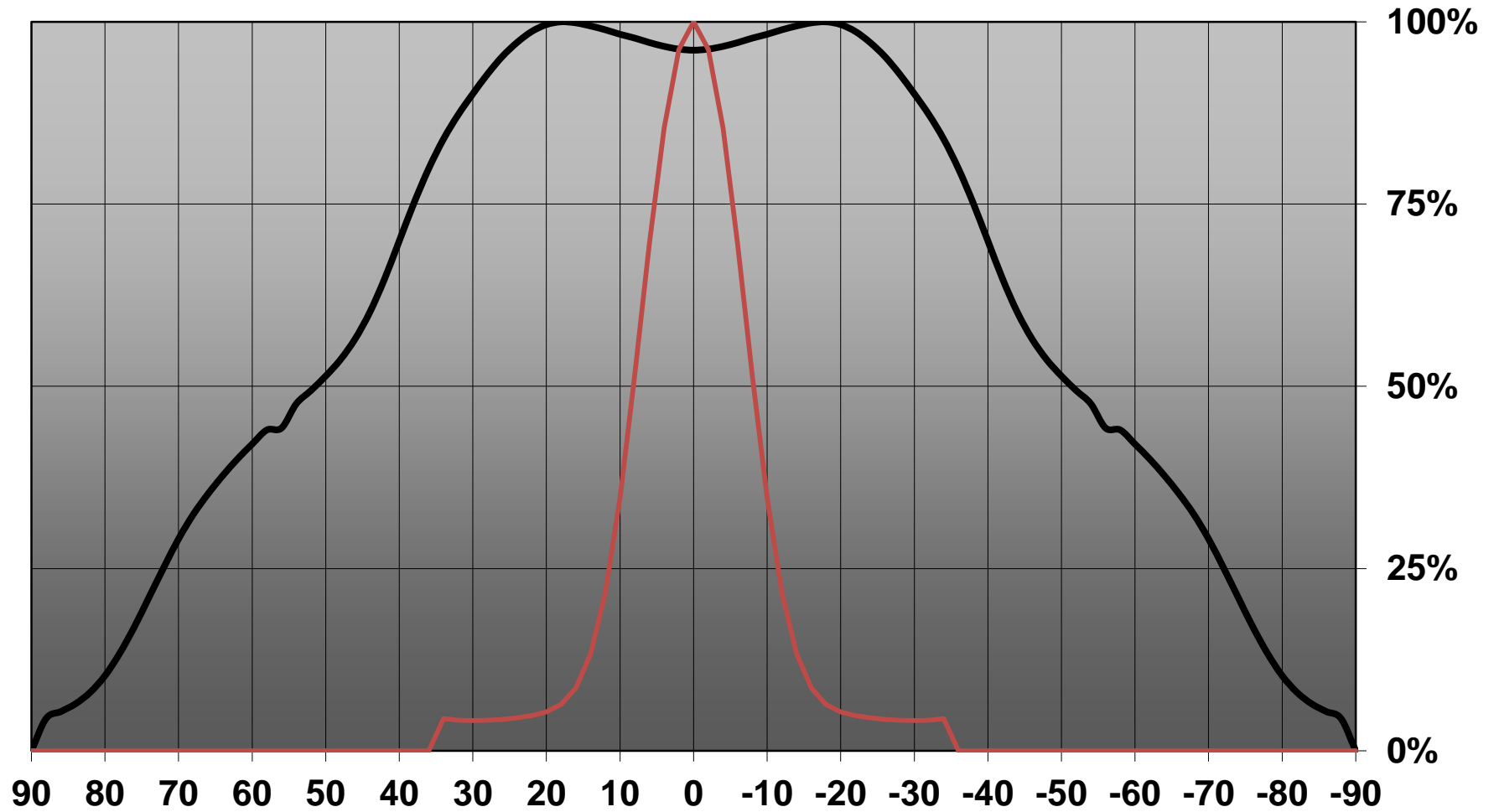
<b>Product Number</b>	C13016_FLARE-MINI-AD-PIN
<b>Family</b>	Flare
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	16 mm
<b>Height</b>	8,6 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	glue, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	25/09/2015



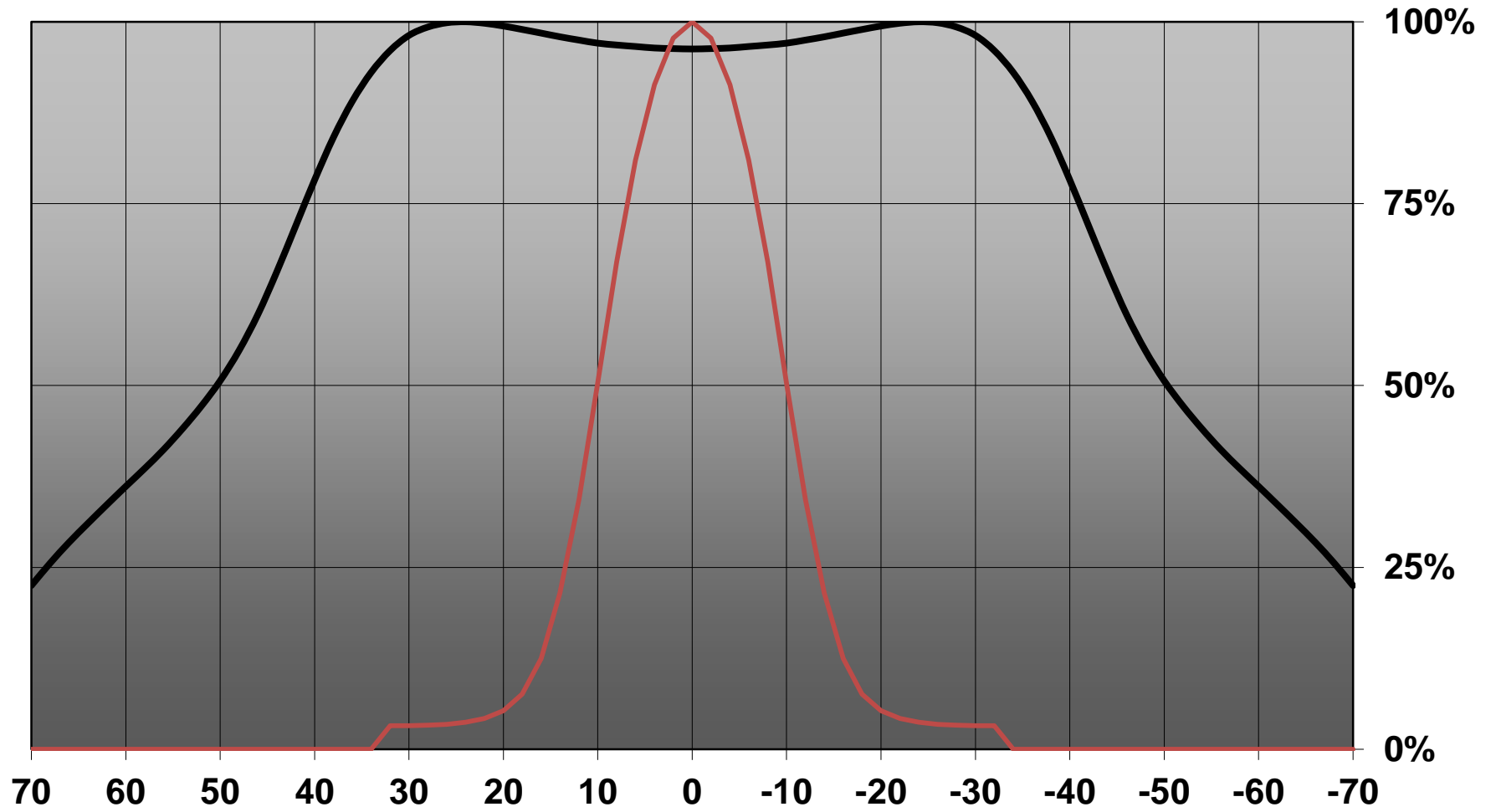
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XB-D	100+16 deg	Oval	93 %	1.200	-
XP-G	100+20 deg	Oval	94 %	1.100	-
XT-E	104+19 deg	Oval	94 %	1.100	-
XP-E2	93+19 deg	Oval	94 %	1.300	-
XP-G2	97+24 deg	Oval	94 %	1.000	-
XP-L	111+30 deg	Oval	90 %	0.710	-
XP-L2	100+30 deg	Oval	94 %	0.760	-
LUXEON C	sim: 15+94	Oval	sim: 93 %	sim: 1.350	-
NVSxx19A	100+20 deg	Oval	94 %	1.100	-
Oslon Square EC	92+21 deg	Oval	94 %	1.100	-
LH351B	98+24 deg	Oval	94 %	1.000	-
LH351Z	99+25 deg	Oval	94 %	1.100	-

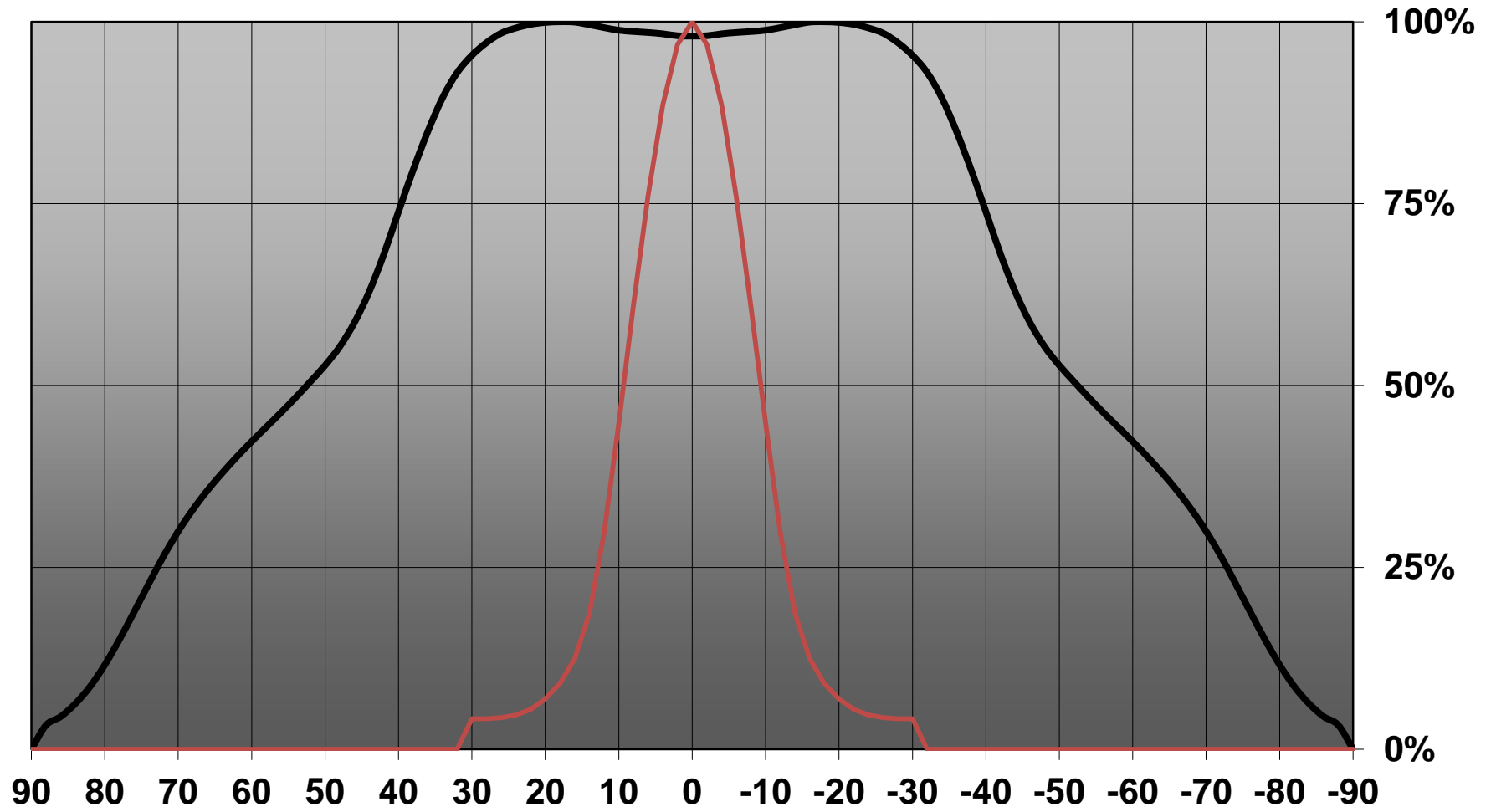
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



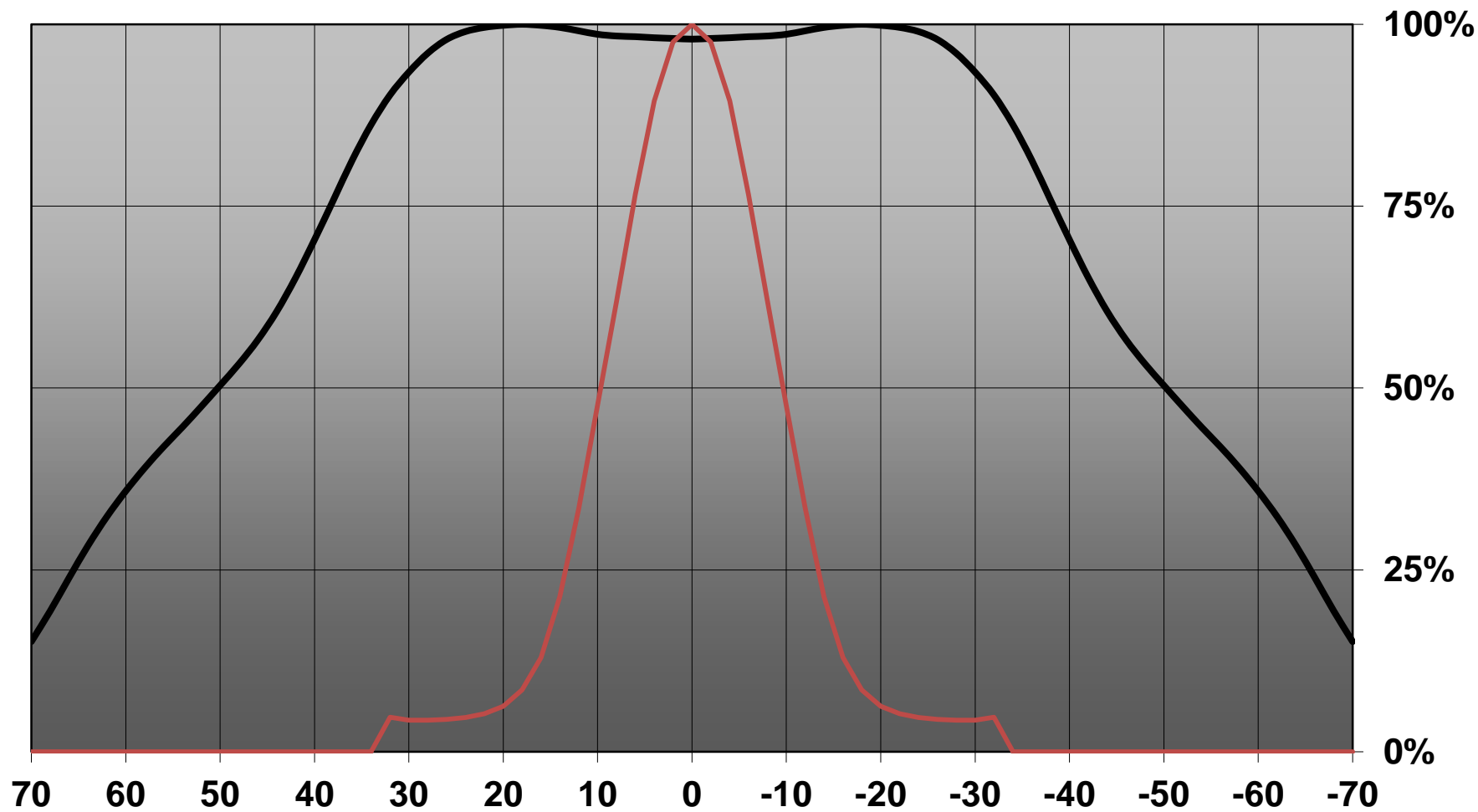
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XPG



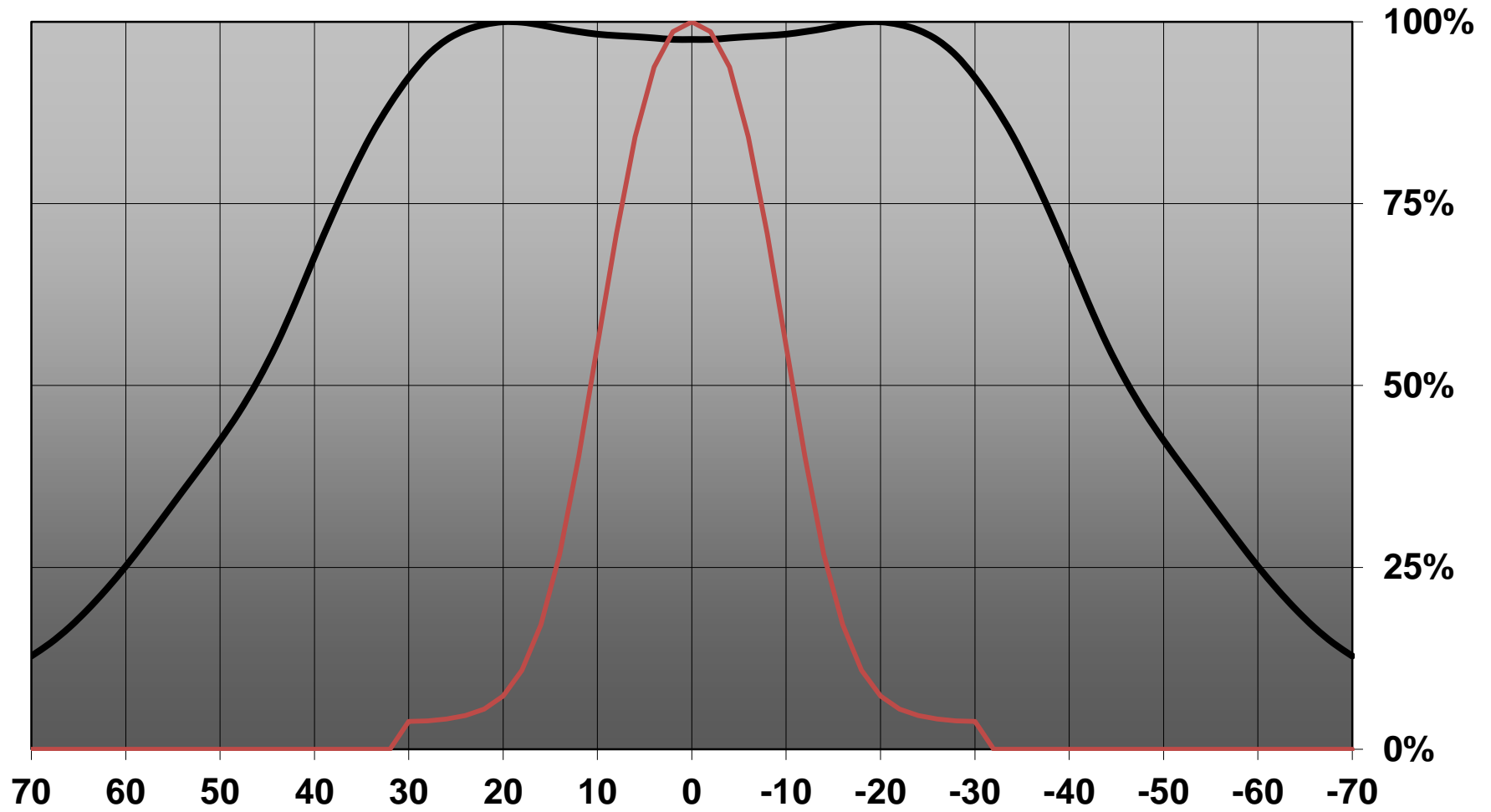
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XTE



Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-NVS19



Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-SQEC



D

C

B

A

4

4

3

3

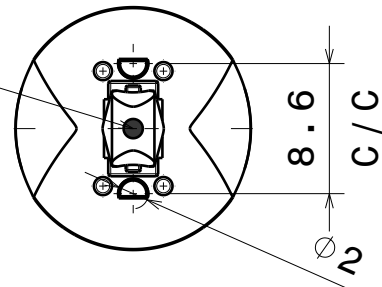
2

2

1

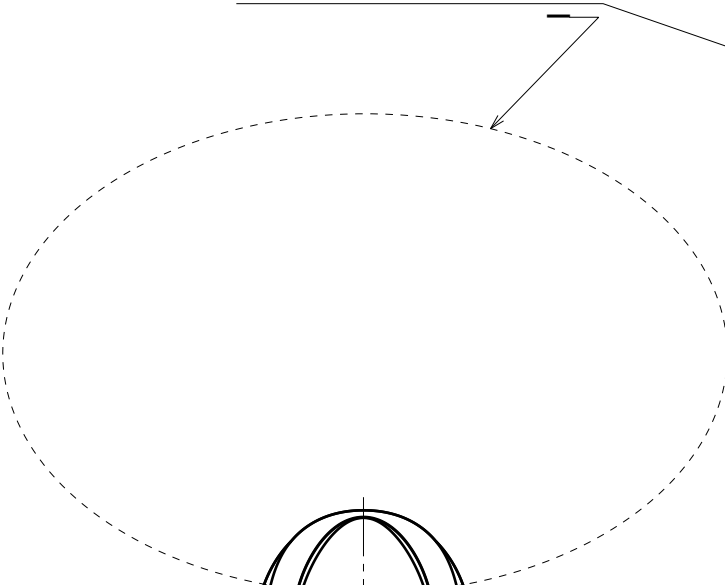
1

LED position

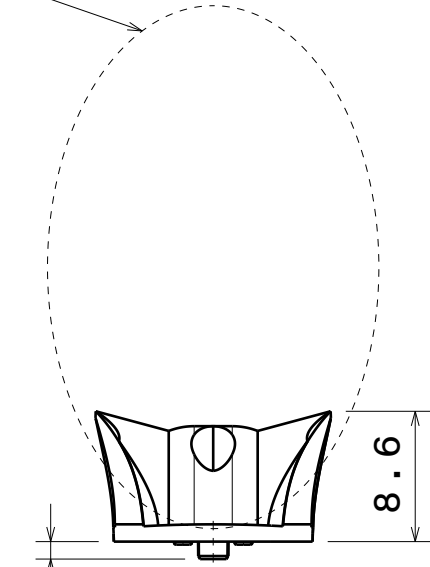


Bottom view

Beam direction

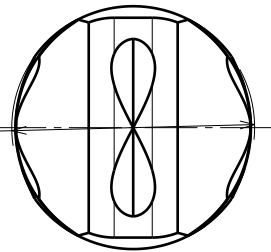


Right view



Front view

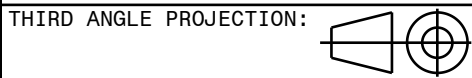
Ø 16.1



Top view

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 FLARE-MINI\_PIN**

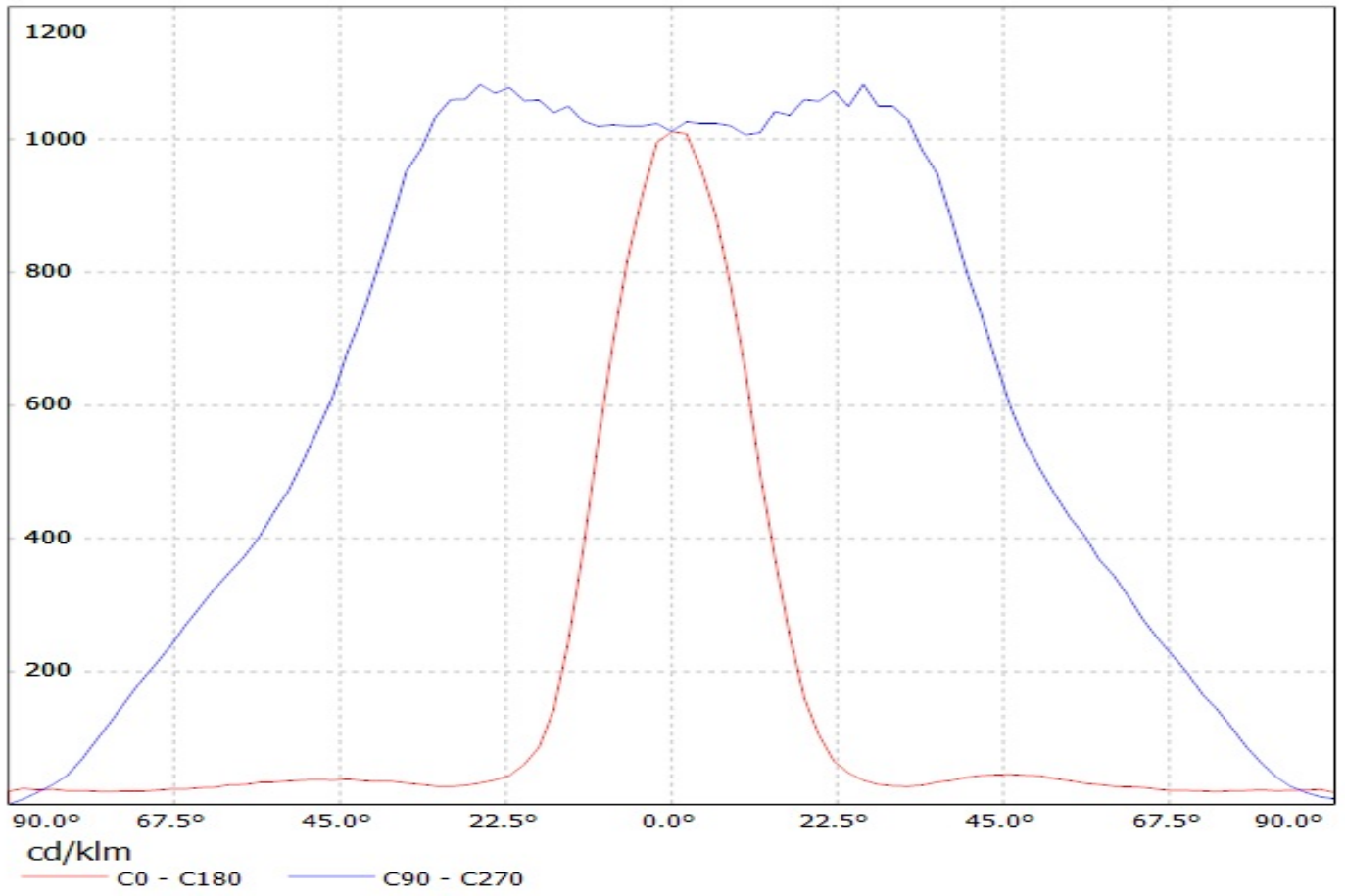
This drawing is the property  
 of LEDiL Oy. It may not be  
 reproduced, copied or  
 communicated without a written  
 agreement with LEDiL Oy."

SIZE	PART NUMBER		
A4	-		
SCALE	2:1	WEIGHT	(g)
		SHEET	1/1

D

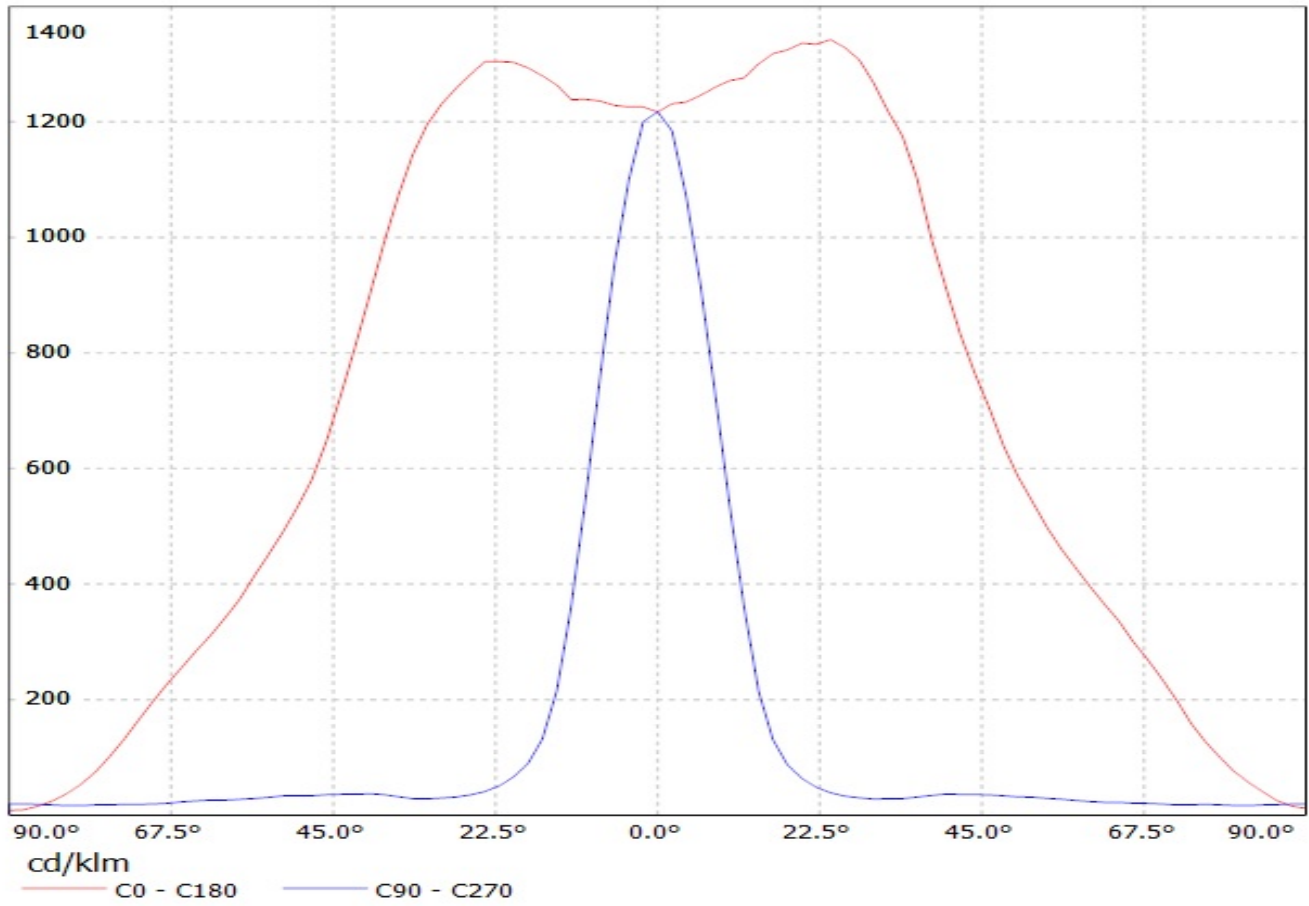
A

Luminaire: Ledil Oy C13016\_FLARE-MINI-AD (Cree XP-G 68lm @ 250mA) Efficiency=93%  
Lamps: 1 x Cree XP-G 68lm @ 250mA

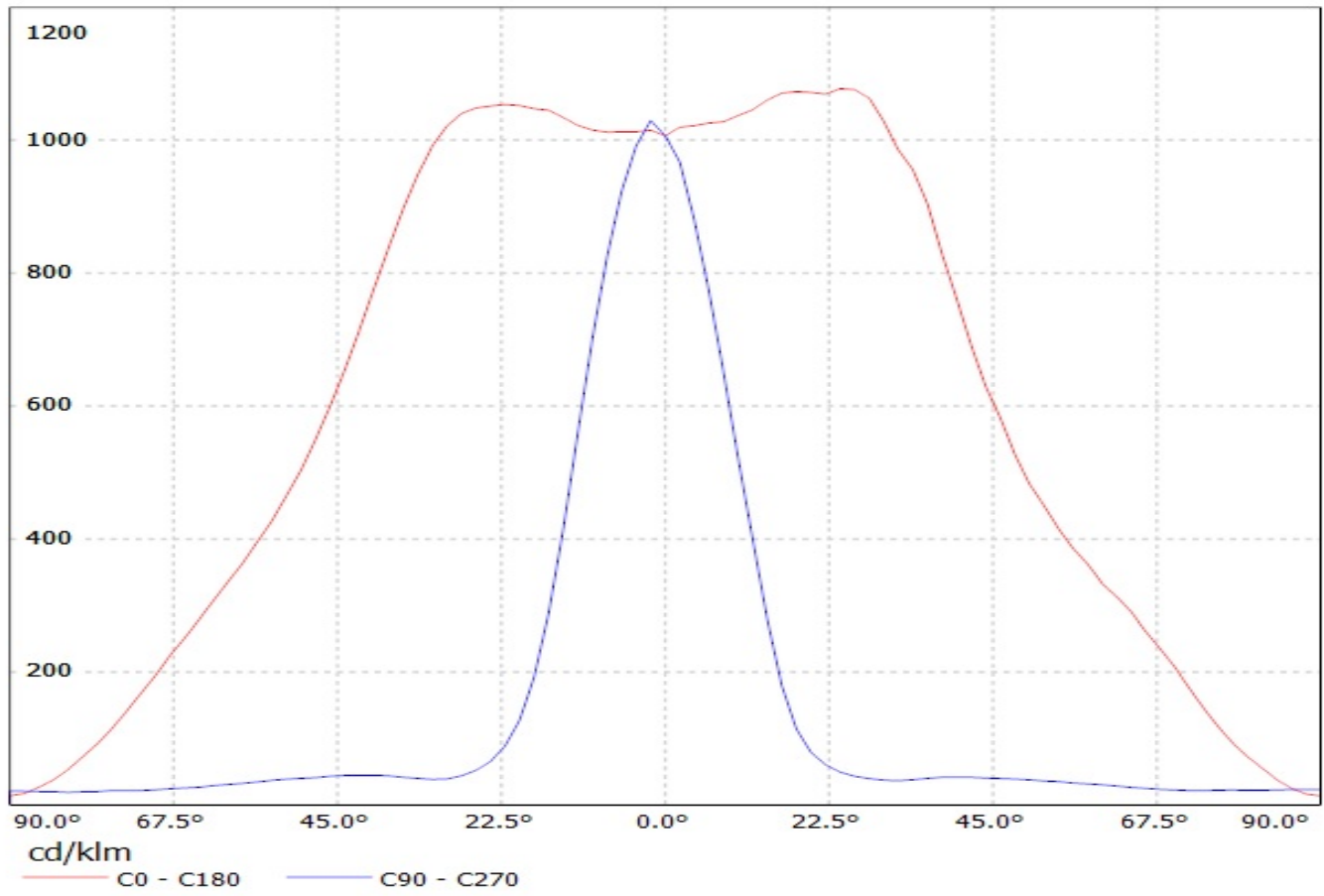




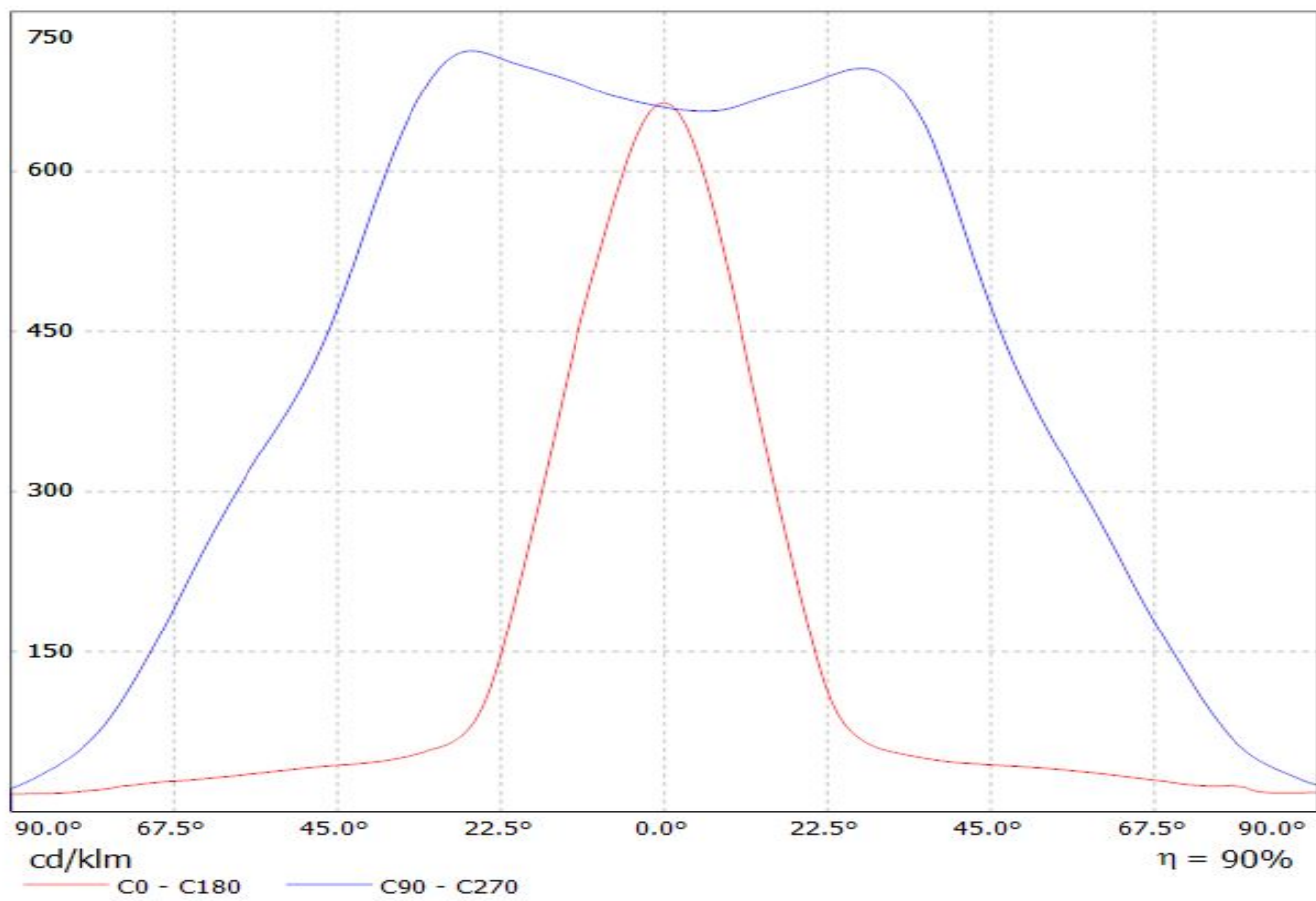
Luminaire: Ledil Oy C13016\_FLARE-MINI-AD-PIN (CREE XP-E2 (92 lm @ 250 mA)) Efficiency=94%  
Lamps: 1 x CREE XP-E2 (92 lm @ 250 mA)



Luminaire: Ledil Oy C13016\_FLARE-MINI-AD-PIN (CREE XP-G2 (99 lm @ 250 mA)) Efficiency=94%  
Lamps: 1 x CREE XP-G2 (99 lm @ 250 mA)

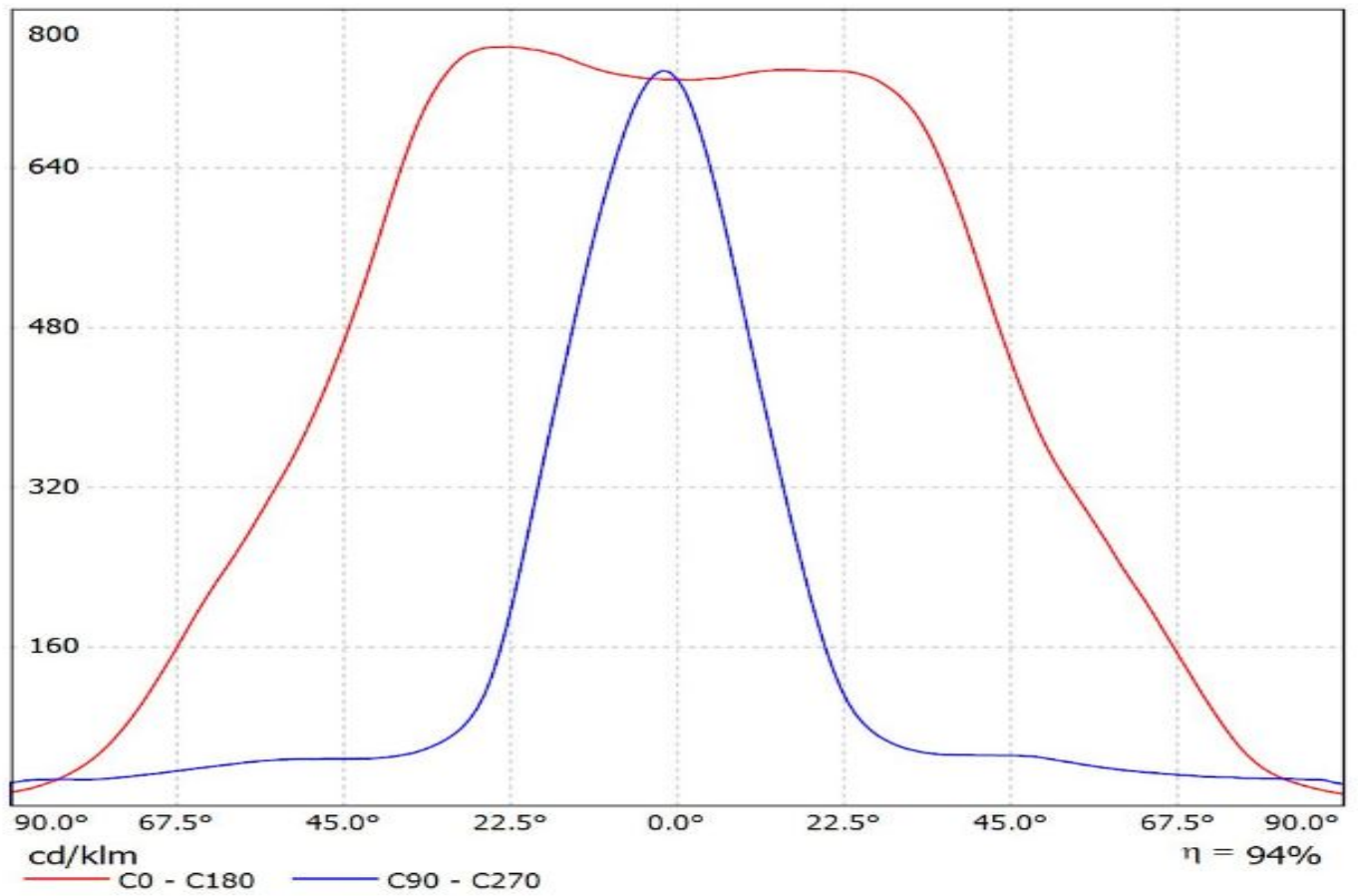


Luminaire: LEDiL Oy C13016\_FLARE-MINI-AD-PIN\_(XP-L) Eff.89.8%  
Lamps: 1 x Cree\_XP-L\_127.813lm@250mA\_P=0.73723W\_I=249.9mA

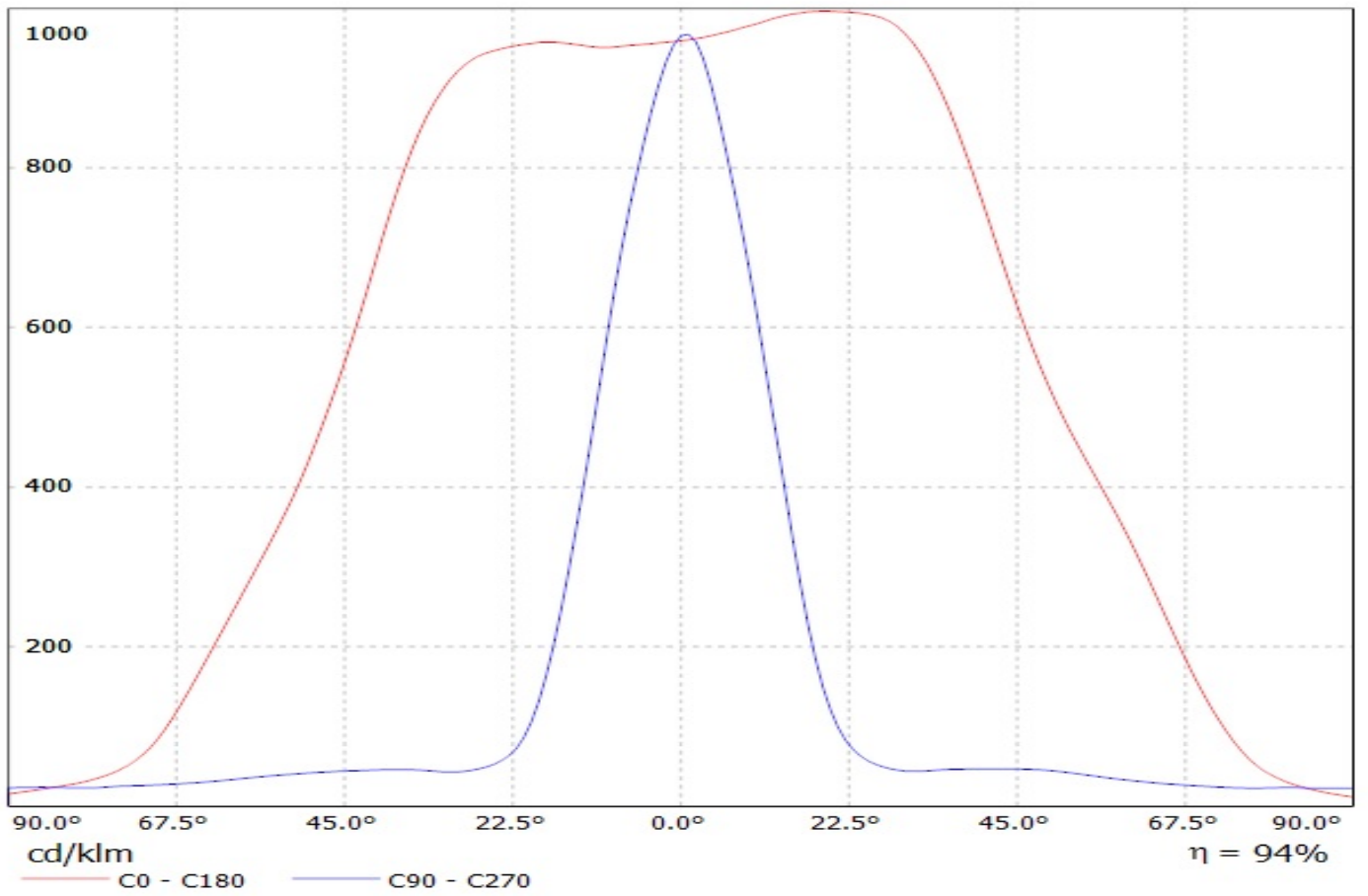


Luminaire: Ledil C13016\_FLARE-MINI-AD-PIN\_(XP-L2)

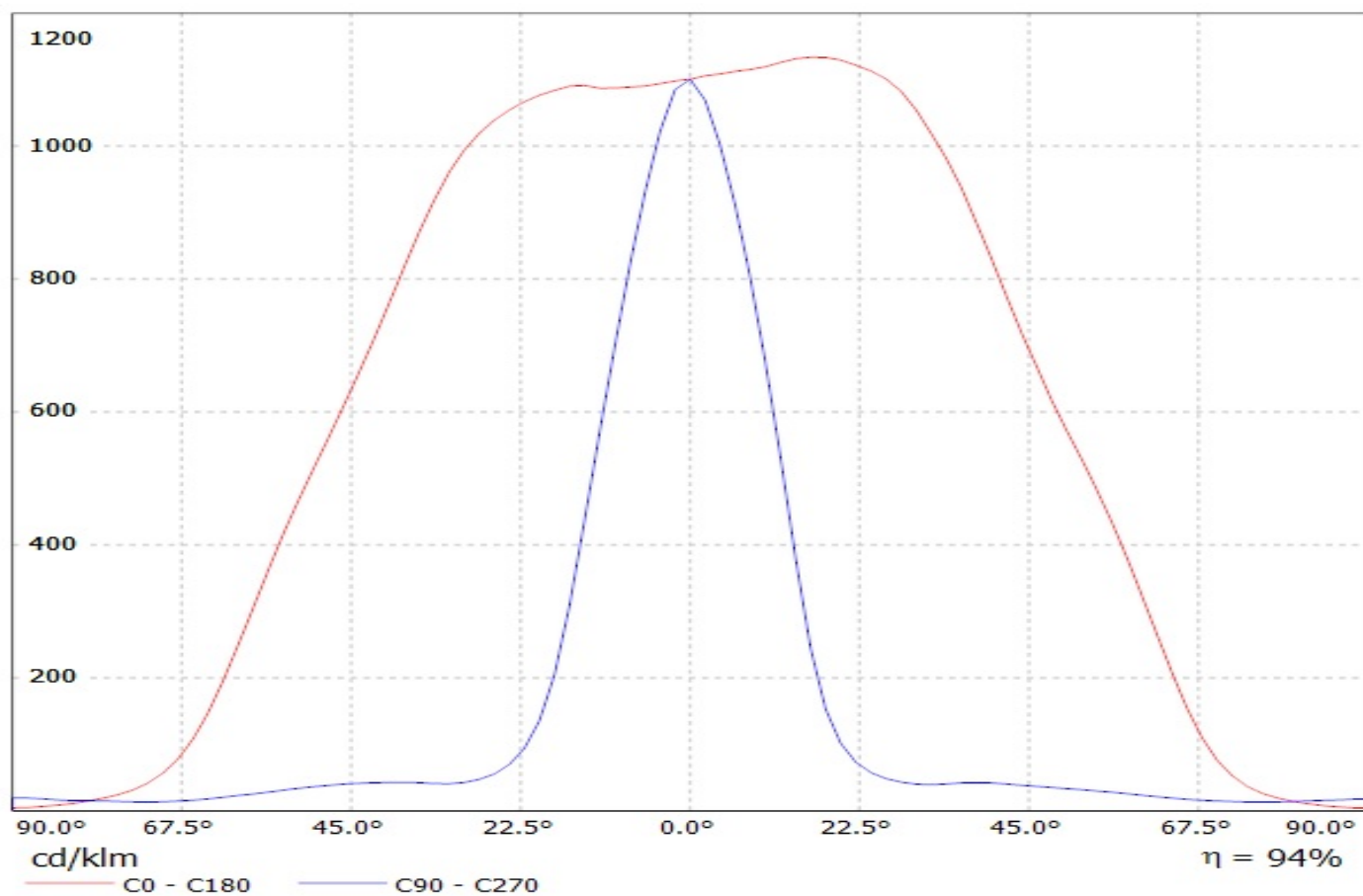
Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.505lm@250mA\_P=0.72165W\_I=0.25A



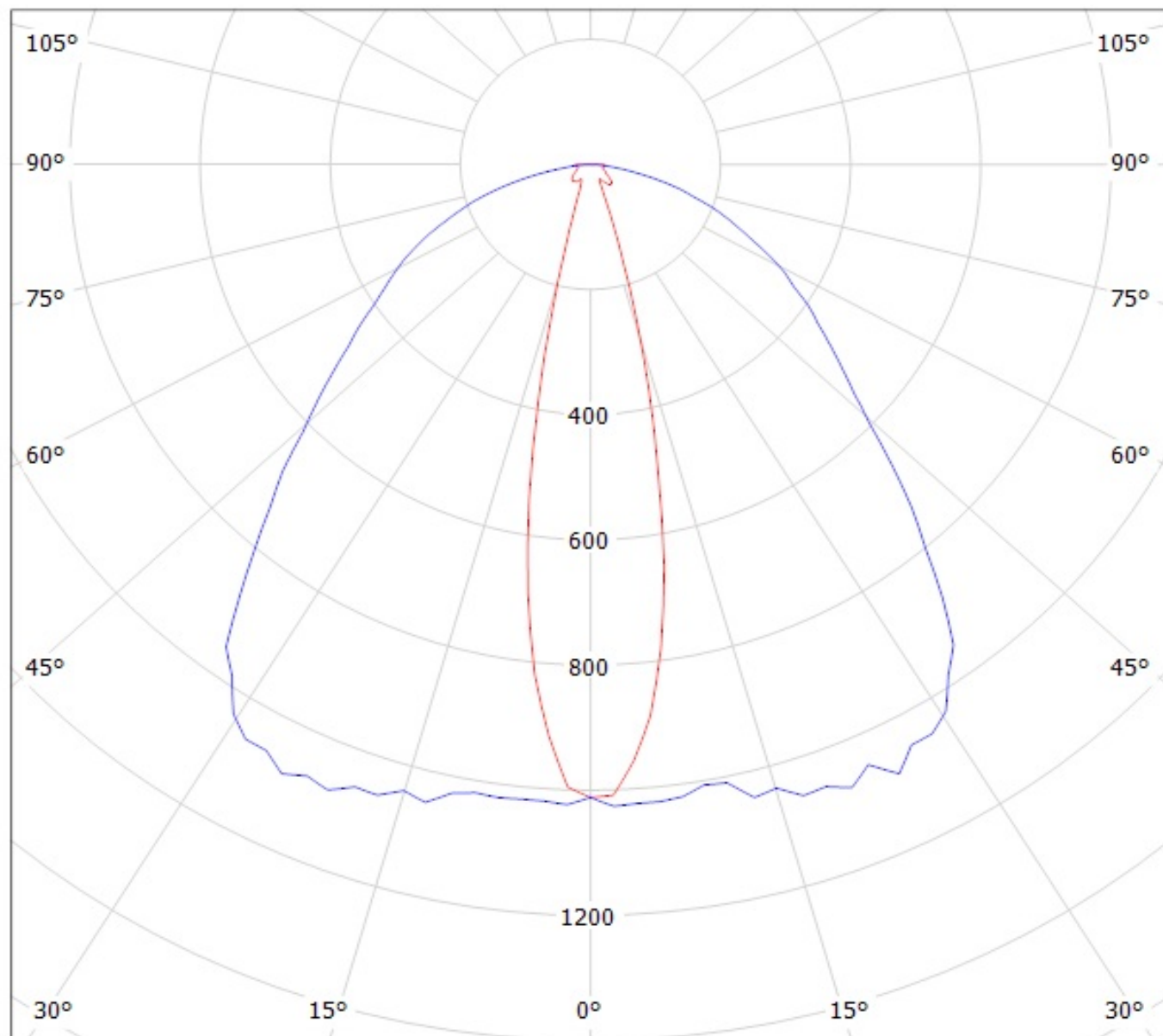
Luminaire: LEDiL Oy C13016\_FLARE-MINI-AD-PIN\_(LH351B)  
Lamps: 1 x SAMSUNG\_LH351B\_109.99lm@250mA\_P=2.9308W\_I=249.9mA



Luminaire: LEDil Oy C13016\_FLARE-MINI-AD-PIN\_(LH351Z)  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil Oy C13016\_FLARE-MINI-AD (Cree XP-G 68lm @ 250mA) Efficiency=93%  
Lamps: 1 x Cree XP-G 68lm @ 250mA

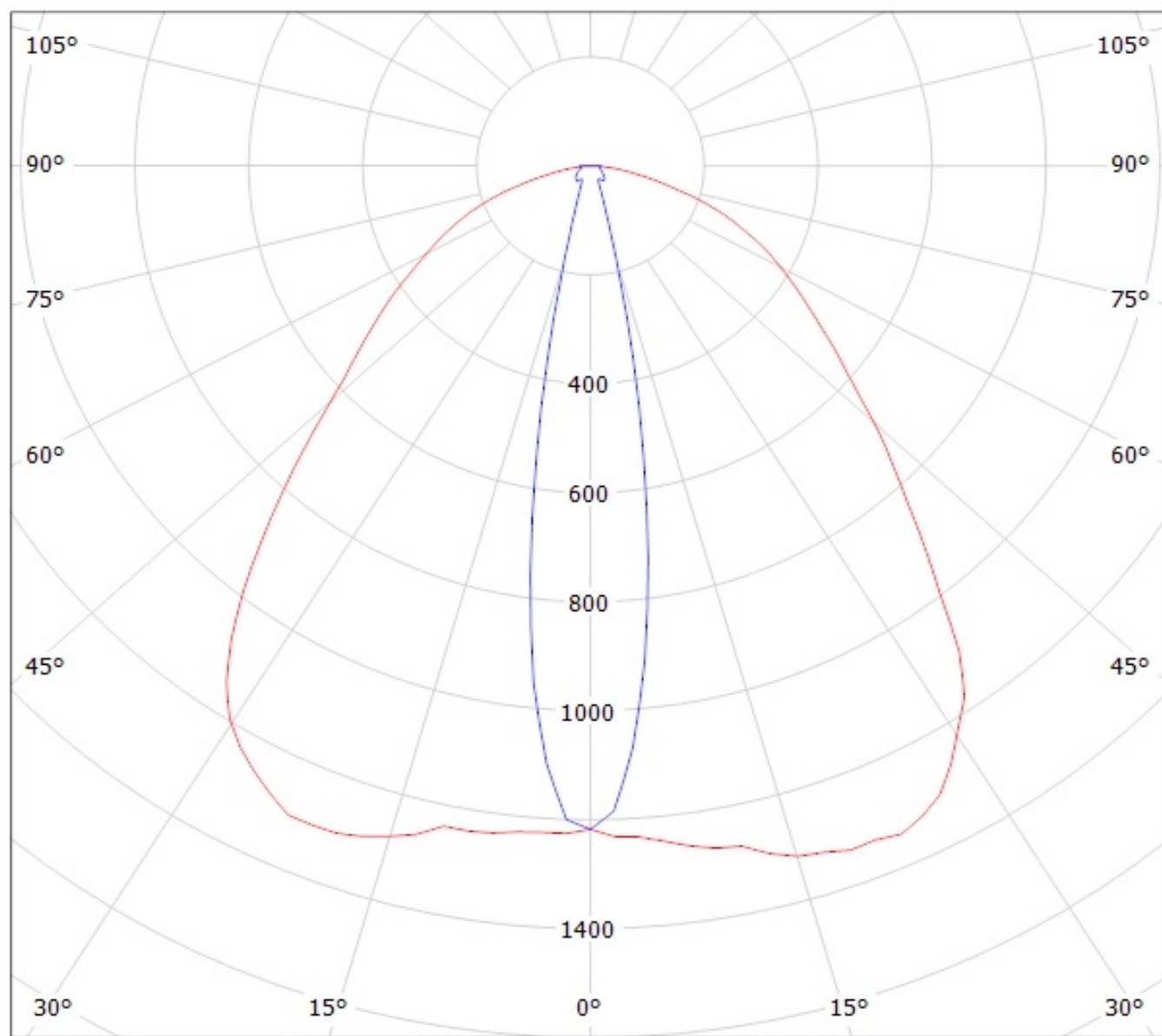


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13016\_FLARE-MINI-AD-PIN (CREE XP-E2 (92 lm @ 250 mA)) Efficiency=94%  
Lamps: 1 x CREE XP-E2 (92 lm @ 250 mA)



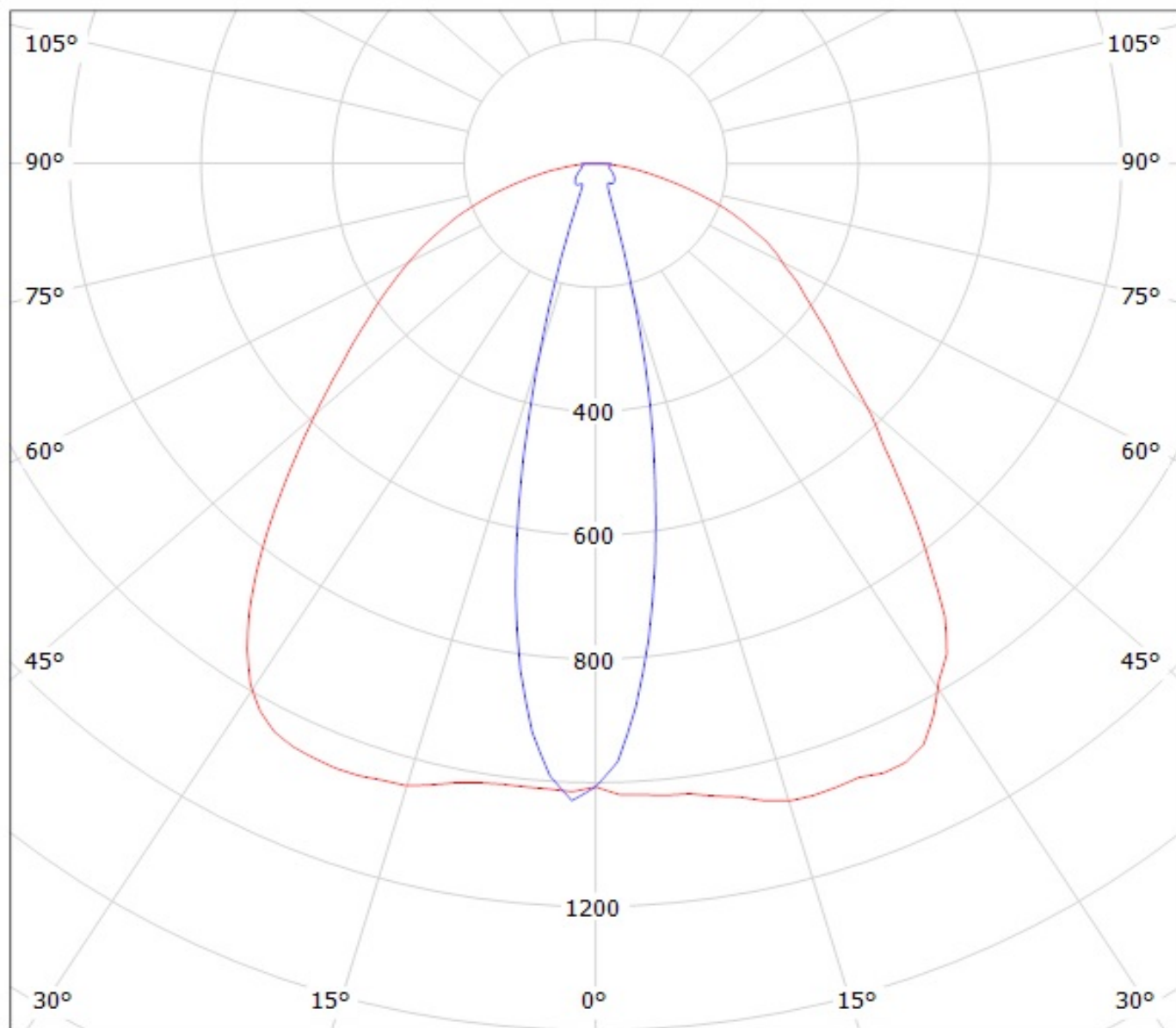
cd/klm

— C0 - C180

— C90 - C270



Luminaire: Ledil Oy C13016\_FLARE-MINI-AD-PIN (CREE XP-G2 (99 lm @ 250 mA)) Efficiency=94%  
Lamps: 1 x CREE XP-G2 (99 lm @ 250 mA)

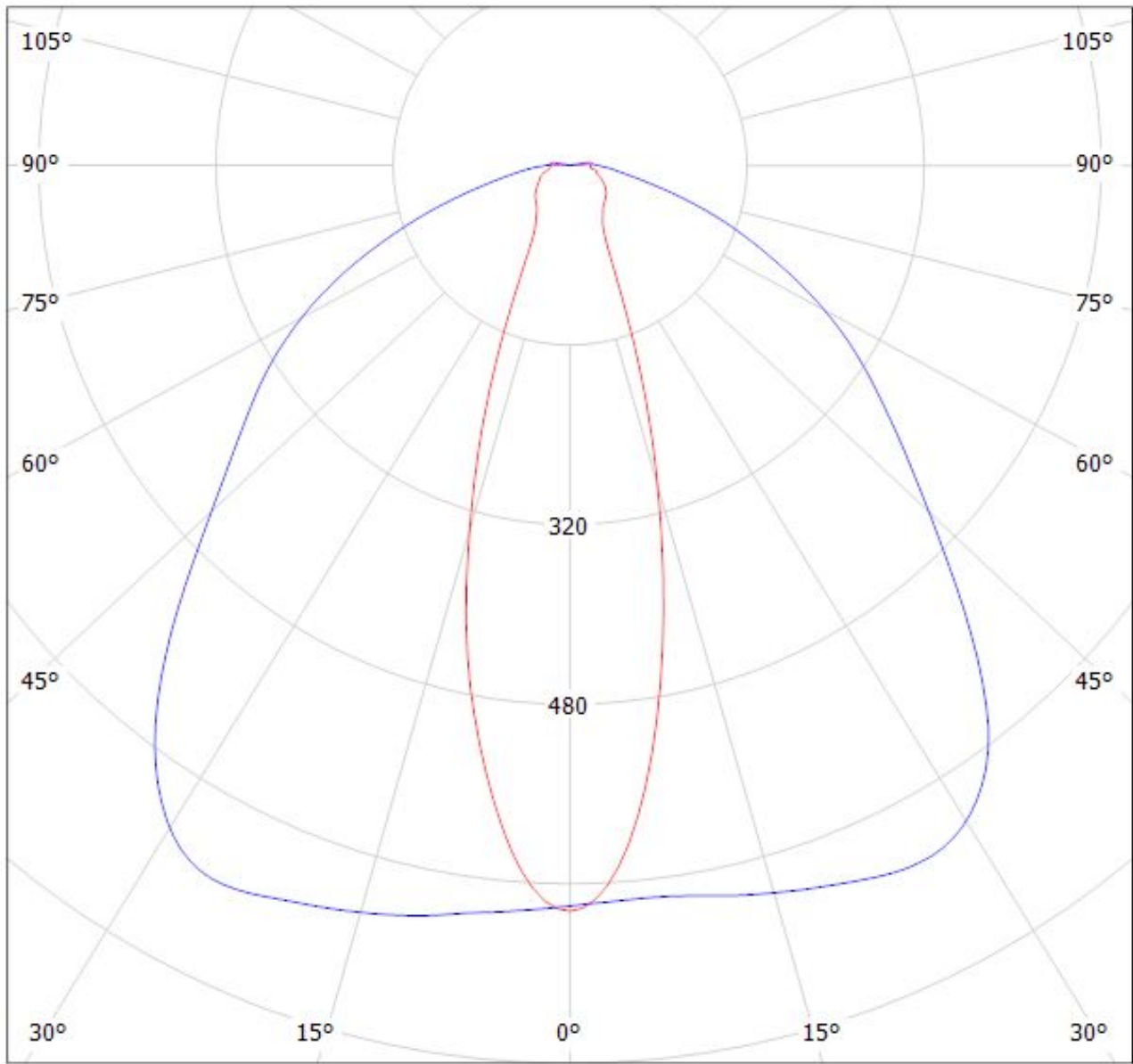


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13016\_FLARE-MINI-AD-PIN\_(XP-L) Eff.89.8%  
Lamps: 1 x Cree\_XP-L\_127.813lm@250mA\_P=0.73723W\_I=249.9mA



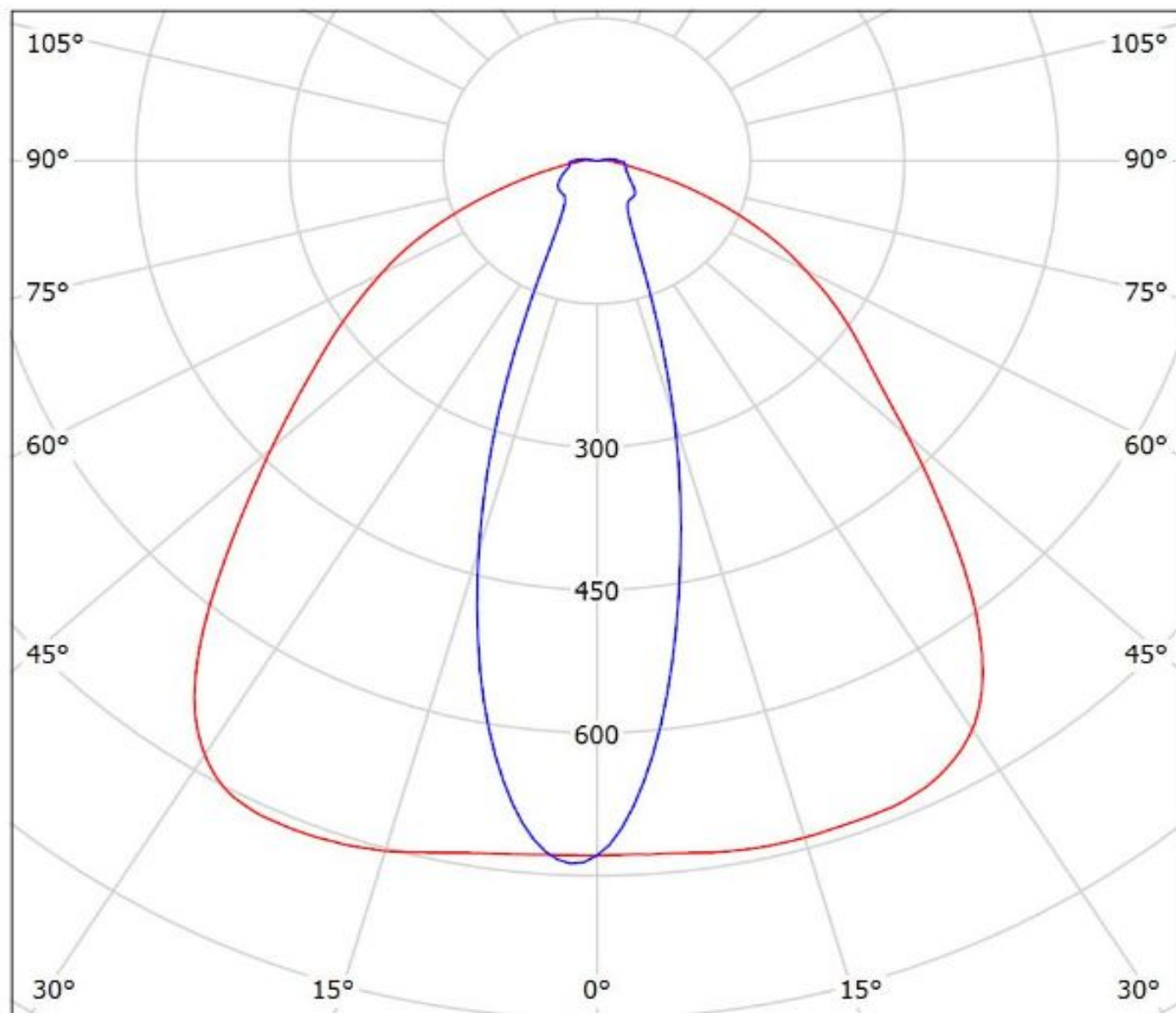
cd/klm

— C0 - C180    — C90 - C270

$\eta = 90\%$

Luminaire: Ledil C13016\_FLARE-MINI-AD-PIN\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.505lm@250mA\_P=0.72165W\_I=0.25A



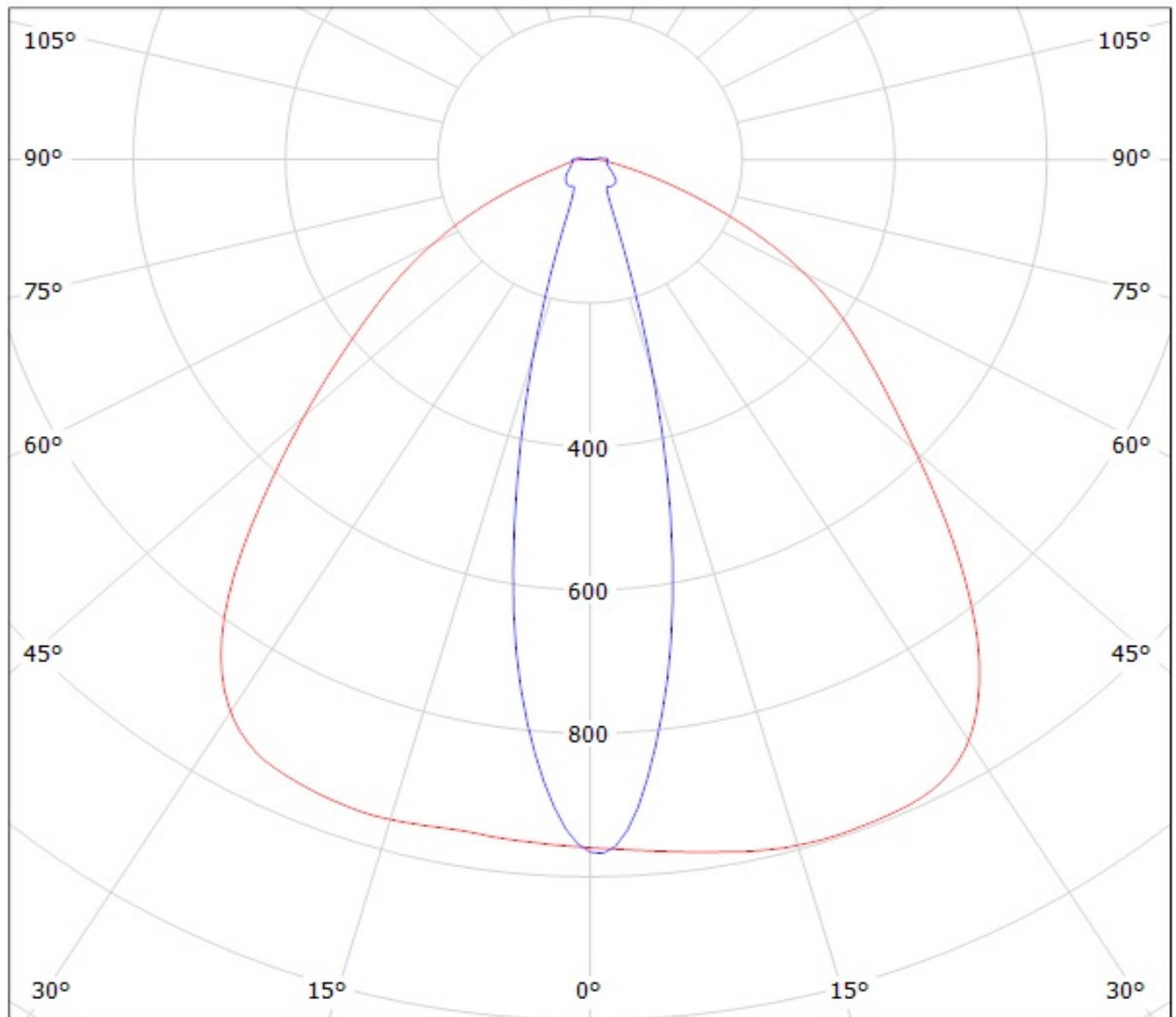
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13016\_FLARE-MINI-AD-PIN\_(LH351B)

Lamps: 1 x SAMSUNG\_LH351B\_109.99lm@250mA\_P=2.9308W\_I=249.9mA



cd/klm

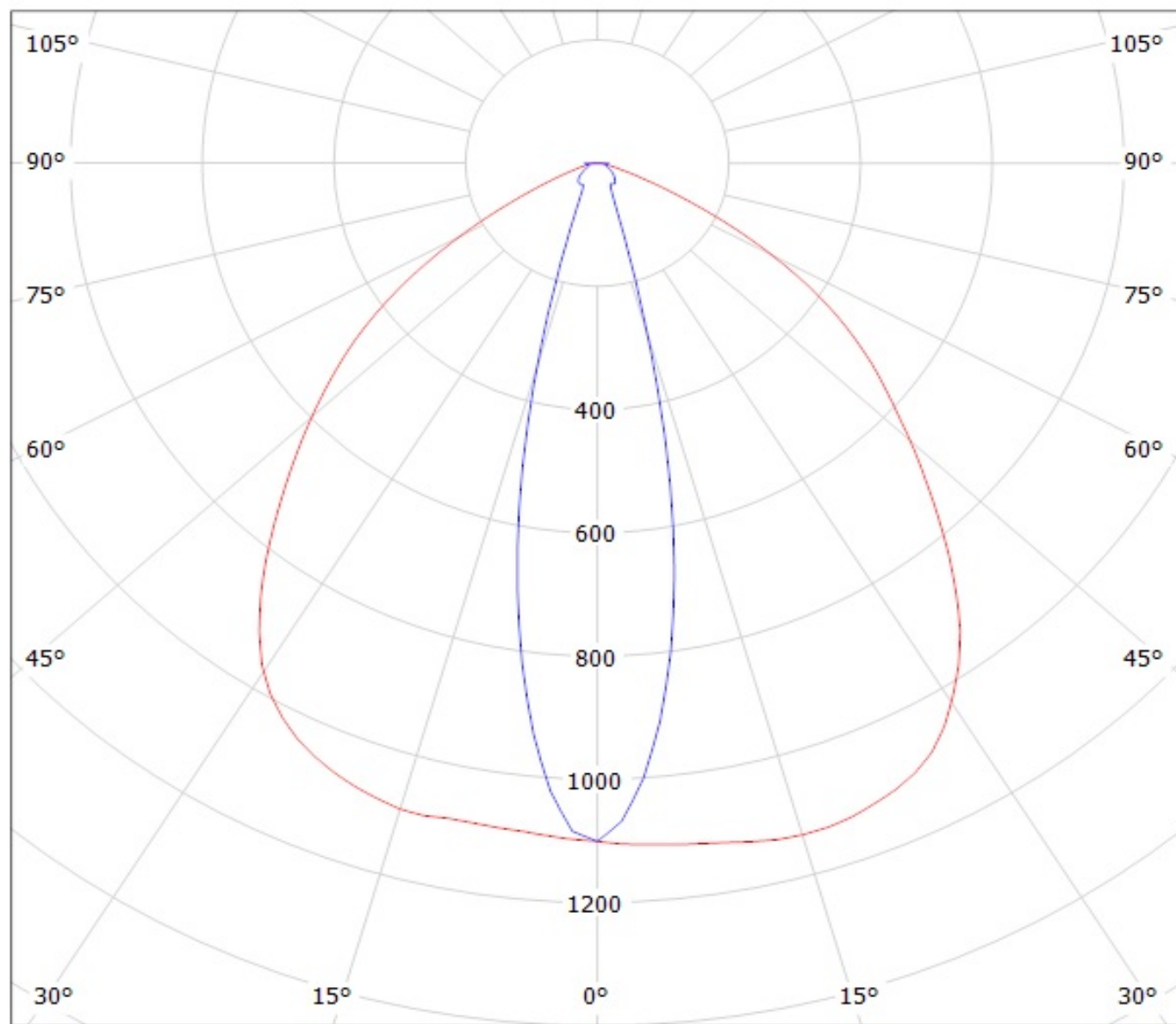
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDil Oy C13016\_FLARE-MINI-AD-PIN\_(LH351Z)

Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

**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.**