

## DETAILS

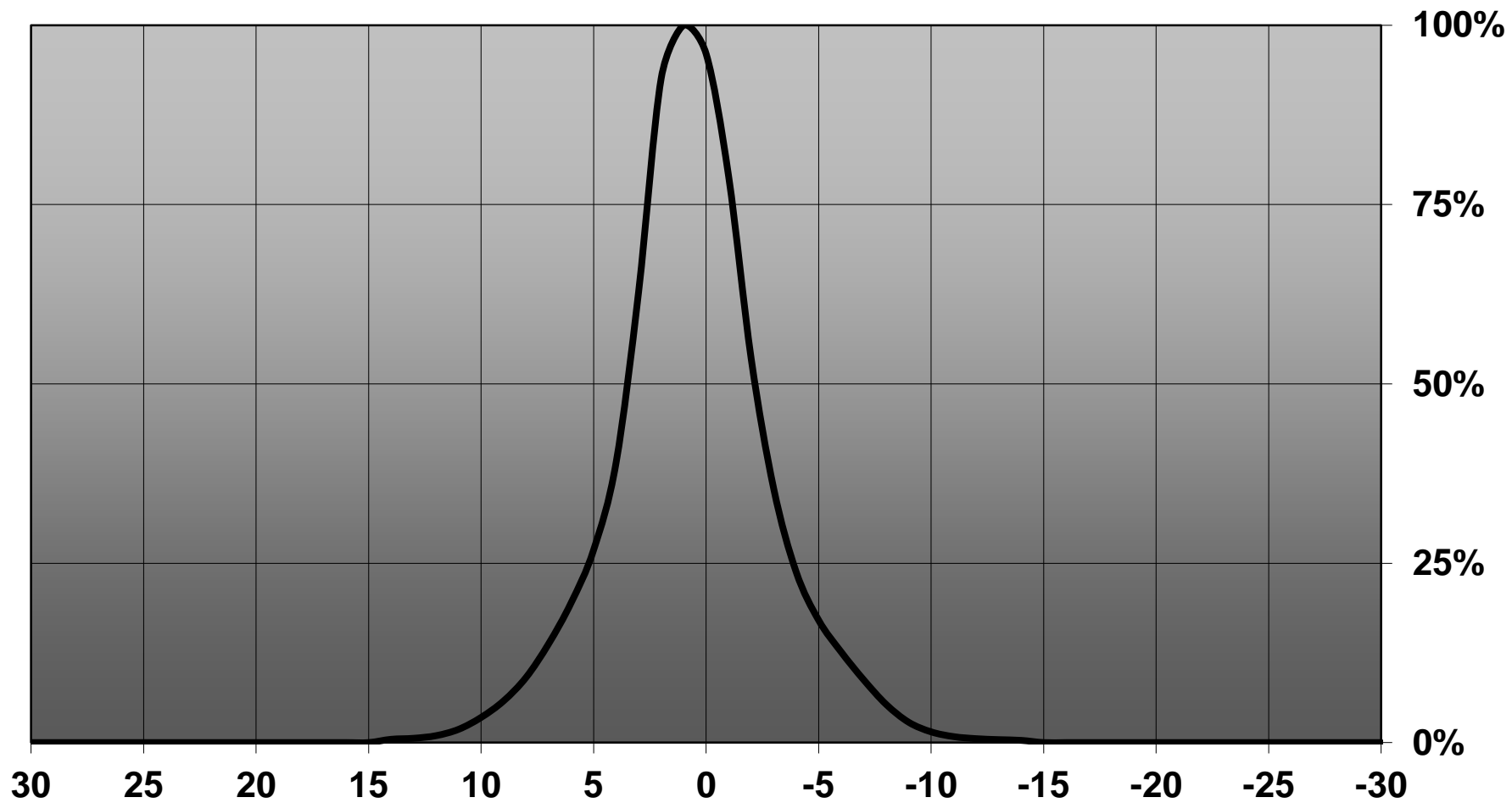
<b>Product Number</b>	FCN13552_CRYSTAL-RS
<b>Family</b>	Crystal
<b>Type</b>	Pack
<b>Color</b>	white
<b>Diameter</b>	49,7 mm
<b>Height</b>	28,7 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/11/2016



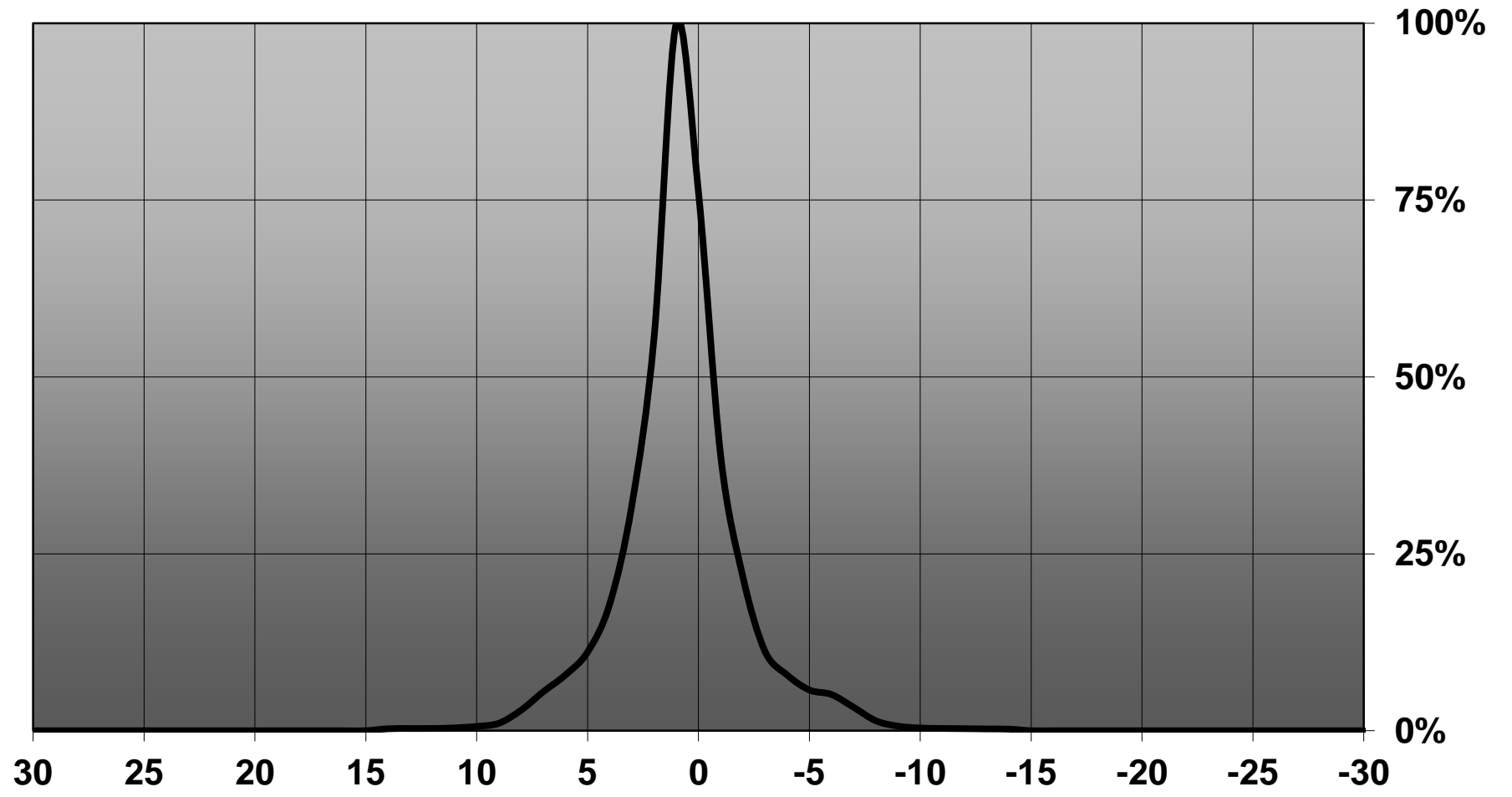
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
XP-G	4.9 deg	Real spot	89 %	68.290	-
XP-L	7 deg	Real spot	88 %	34.700	-
XHP35 HI	5,7 deg	Real spot	89 %	48.300	-
XQ-E HI	2.9 deg	Real spot	88 %	110.500	-
LUXEON A	5.1 deg	Real spot	89 %	58.900	-
LUXEON Z ES	3 deg	Real spot	93 %	103.780	-
NVSxx19B/NVSxx19C	5.3 deg	Real spot	89 %	42.500	-
NWSx229A	8 deg	Real spot	92 %	27.900	-
NV4x144A	12 deg	Real spot	92 %	14.200	-
NVSW3x9A	6 deg	Real spot	89 %	36.500	-
LH351Z	4.4 deg	Real spot	90 %	77.000	-
LH351B	5.3 deg	Real spot	90 %	57.030	-

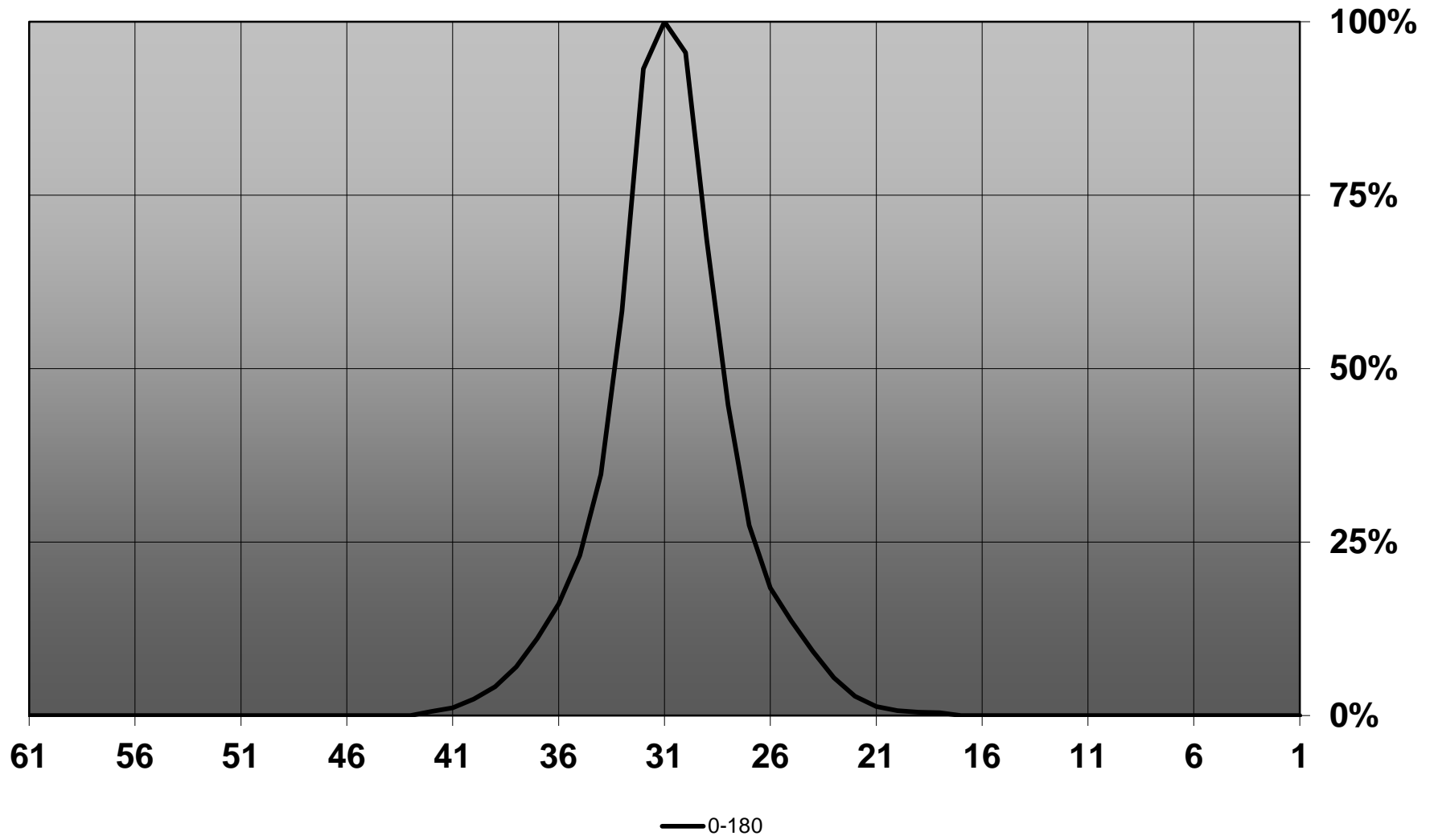
Relative intensity of CN13552\_CRYSTAL-RS\_(XHP35\_HI)



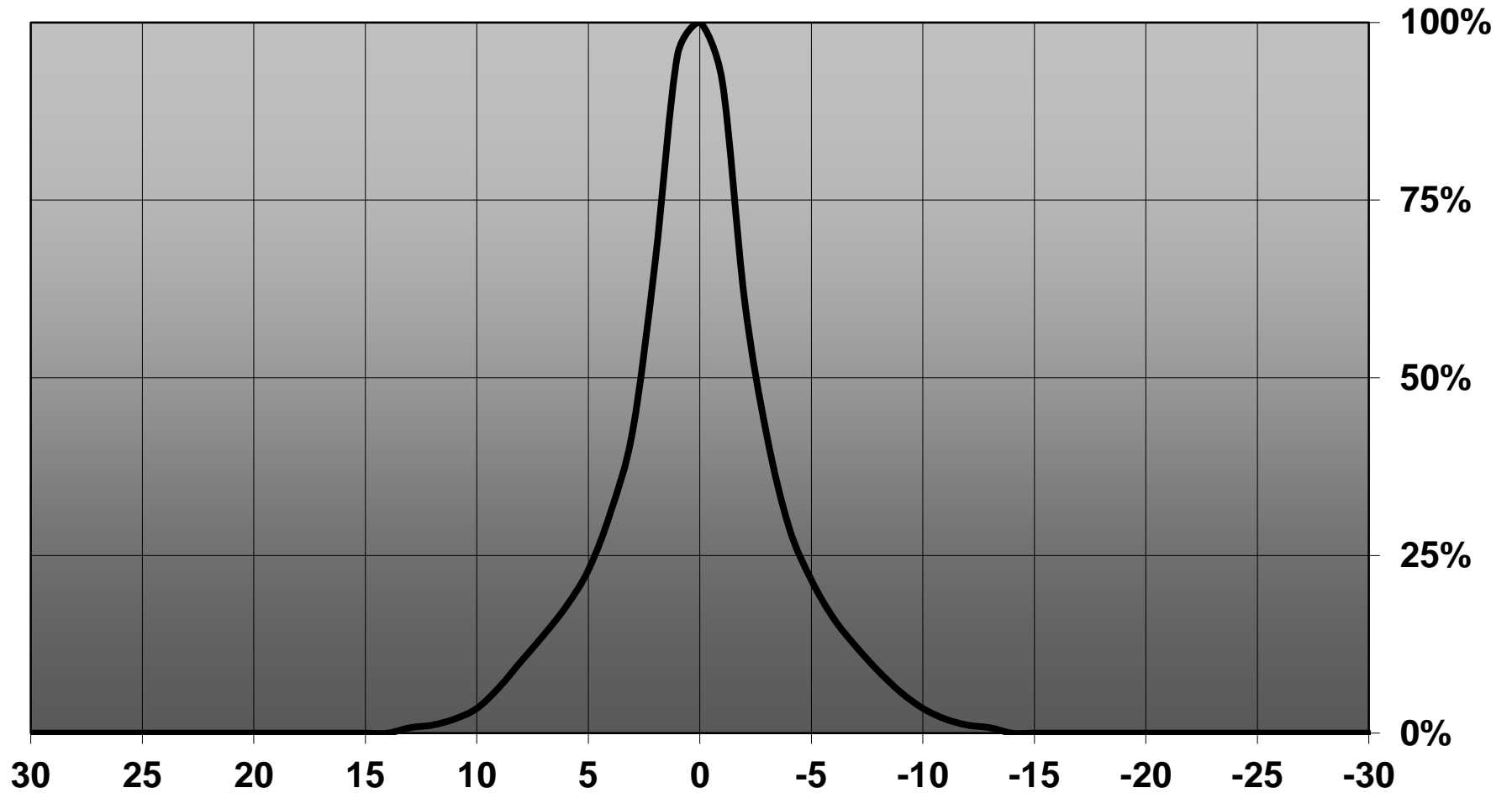
Relative intensity of CN13552\_CRYSTAL-RS\_(XQ-E\_HI)



Relative intensity of CN13552\_CRYSTAL-RS\_(Luxeon\_A)

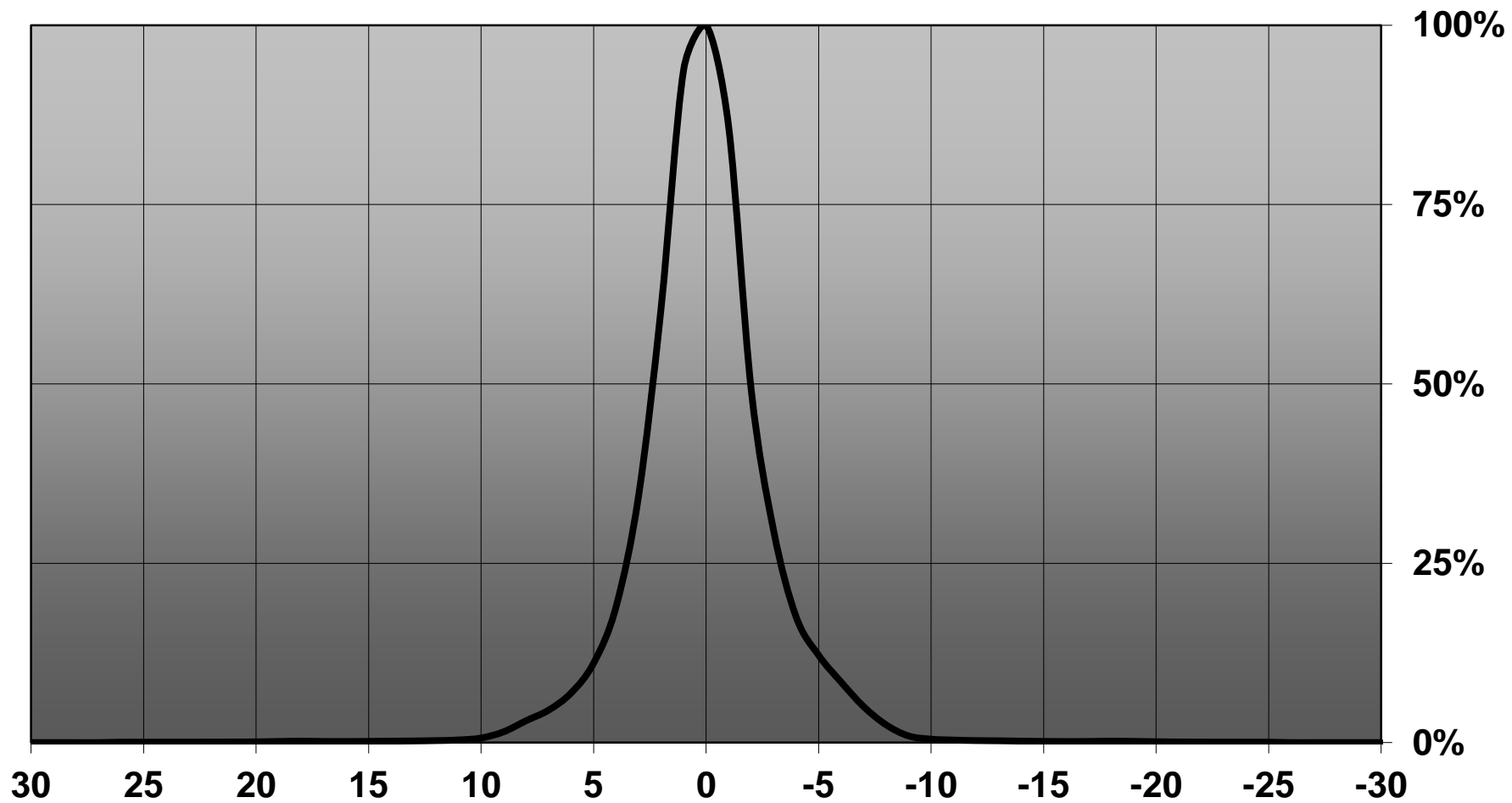


Relative intensity of CN13552\_CRYSTAL-RS\_(NVSxx19B)



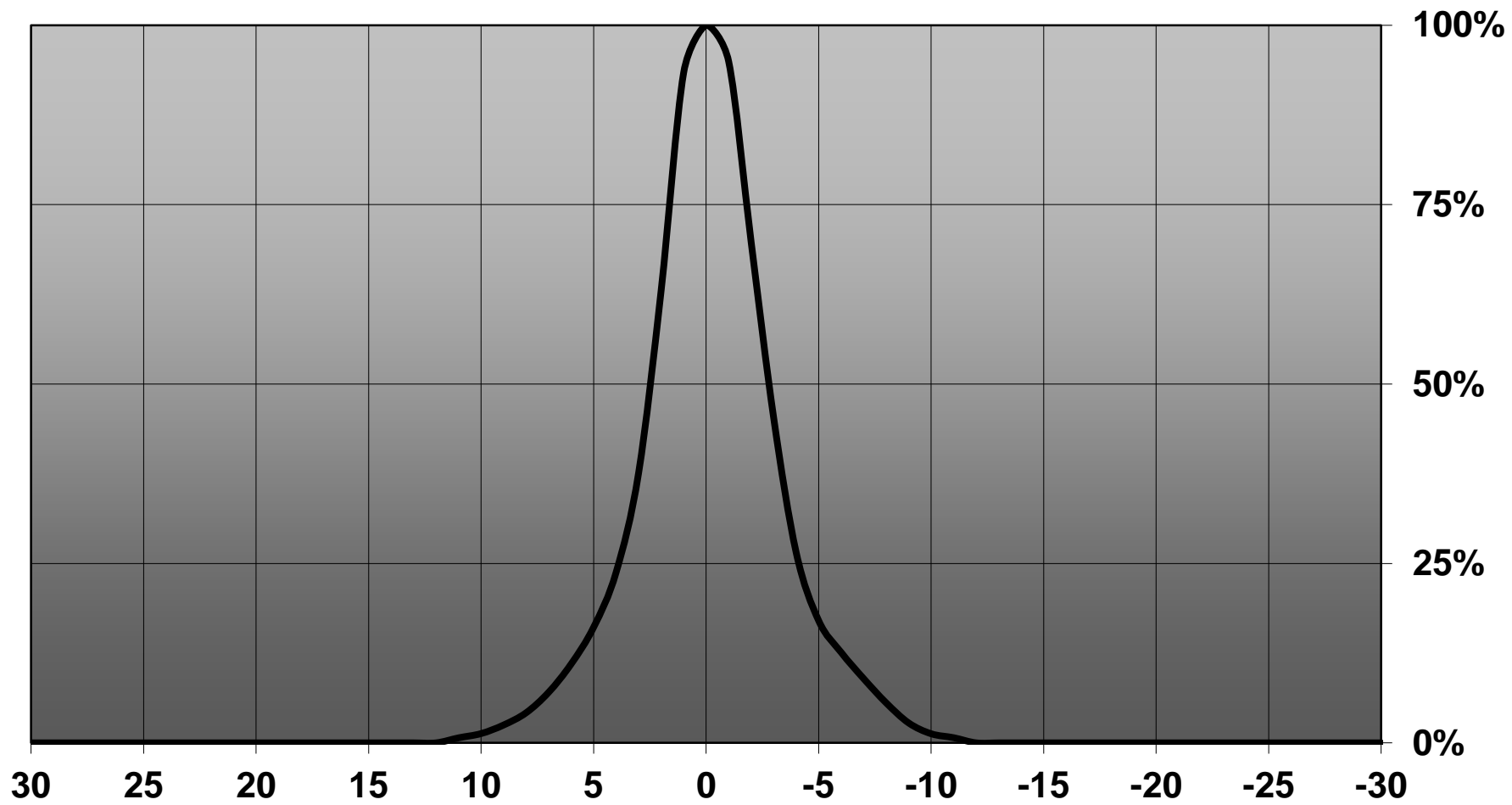
—1

# Relative intensity of CN13552\_CRYSTAL-RS\_(LH351Z)



— 1: 0-180

Relative intensity of CN13552\_CRYSTAL-RS\_(LH351B)



D

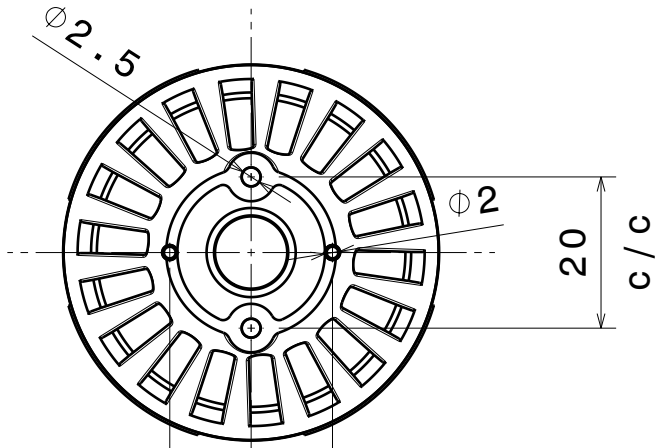
C

B

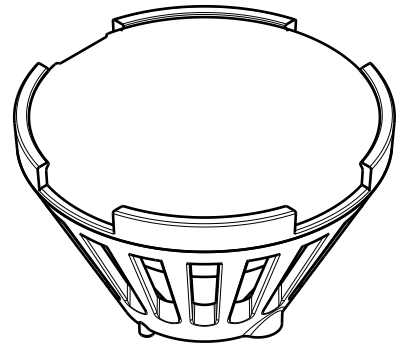
A

4

4

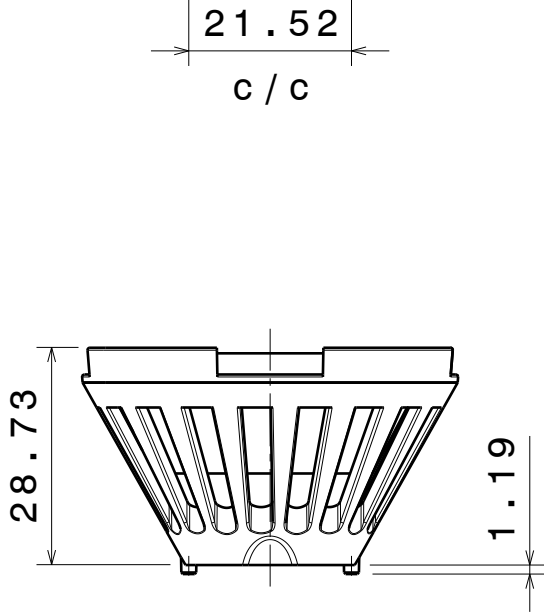


Bottom view

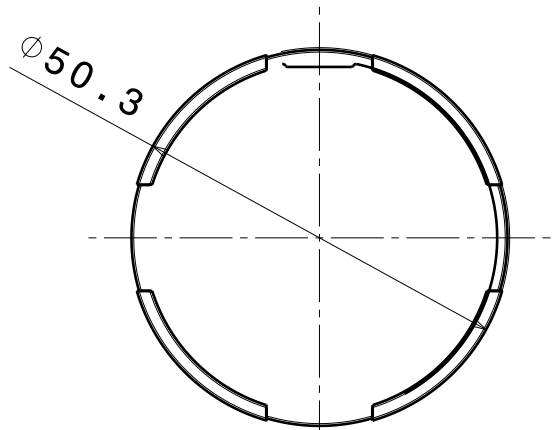


3

3



Front view



Top view

2

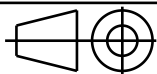
2

Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures: class C  
 According to DIN ISO 2768-2  
 Form and position: class L



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 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Crystal Assembly MechDrawing

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SIZE

A4

PART NUMBER

-

SCALE

1:1

WEIGHT

-

SHEET

1/1

D

A

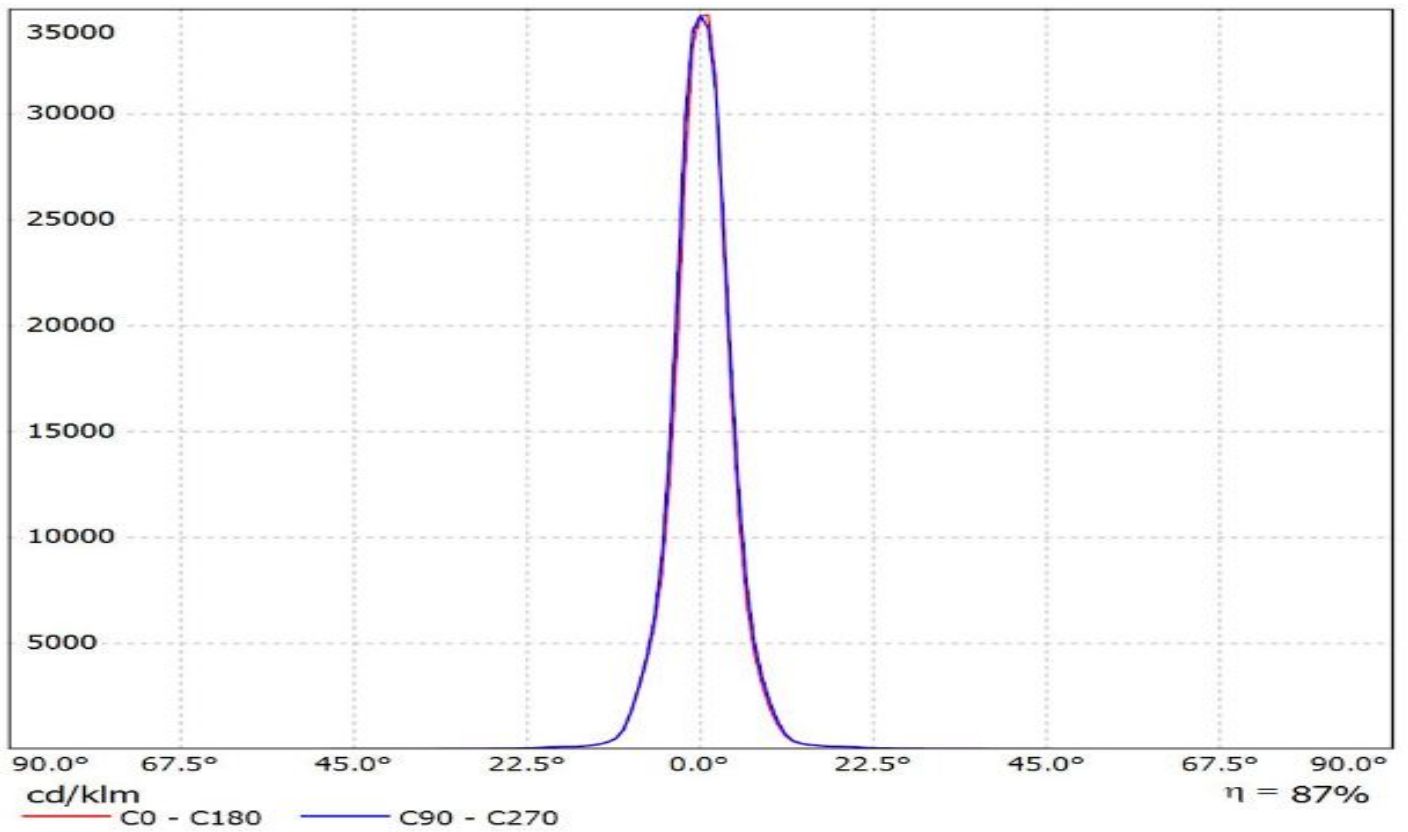
1

1

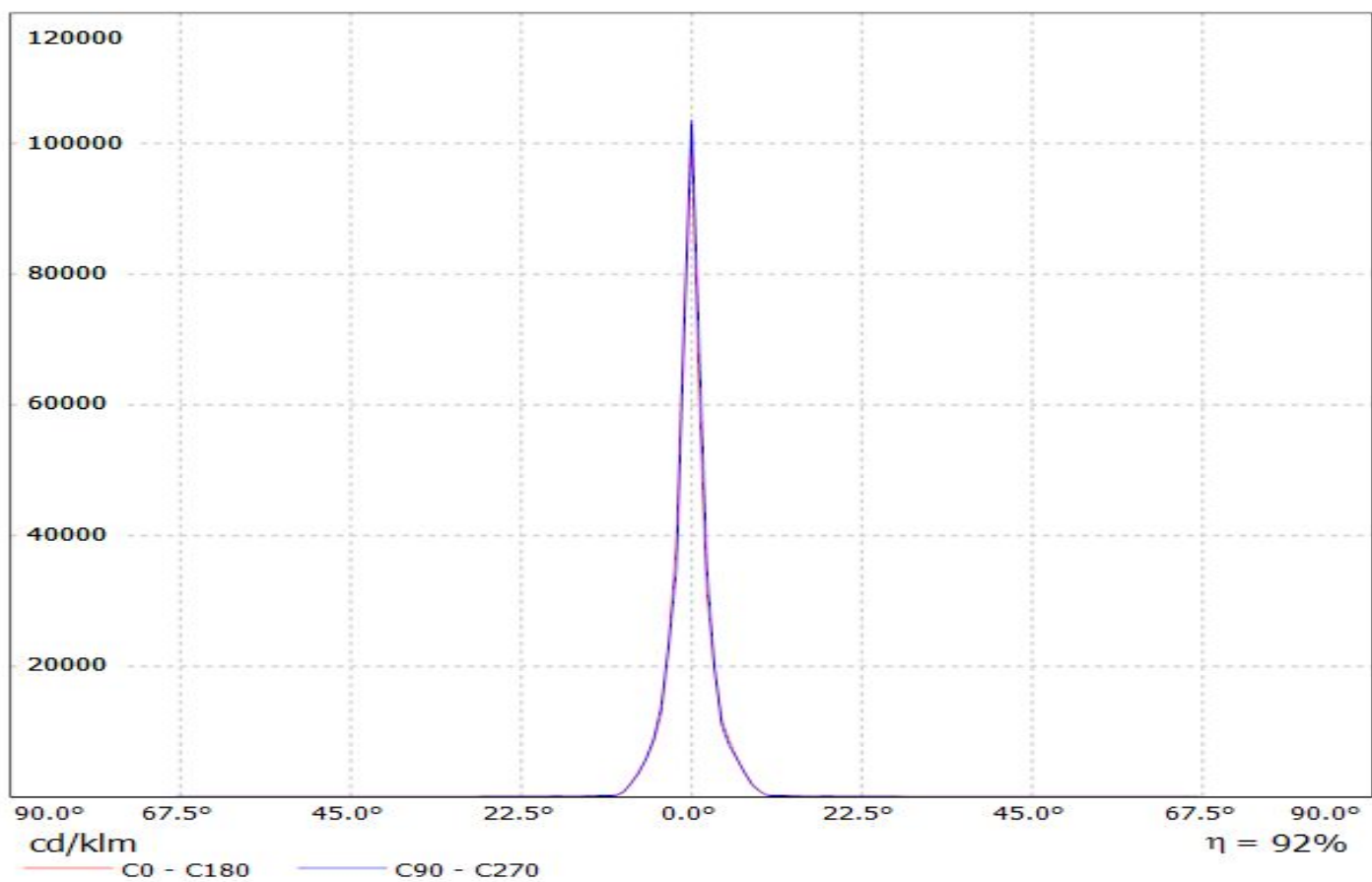


# Ledil CN13552\_CRYSTAL-RS\_(XP-L) / LDC (Linear)

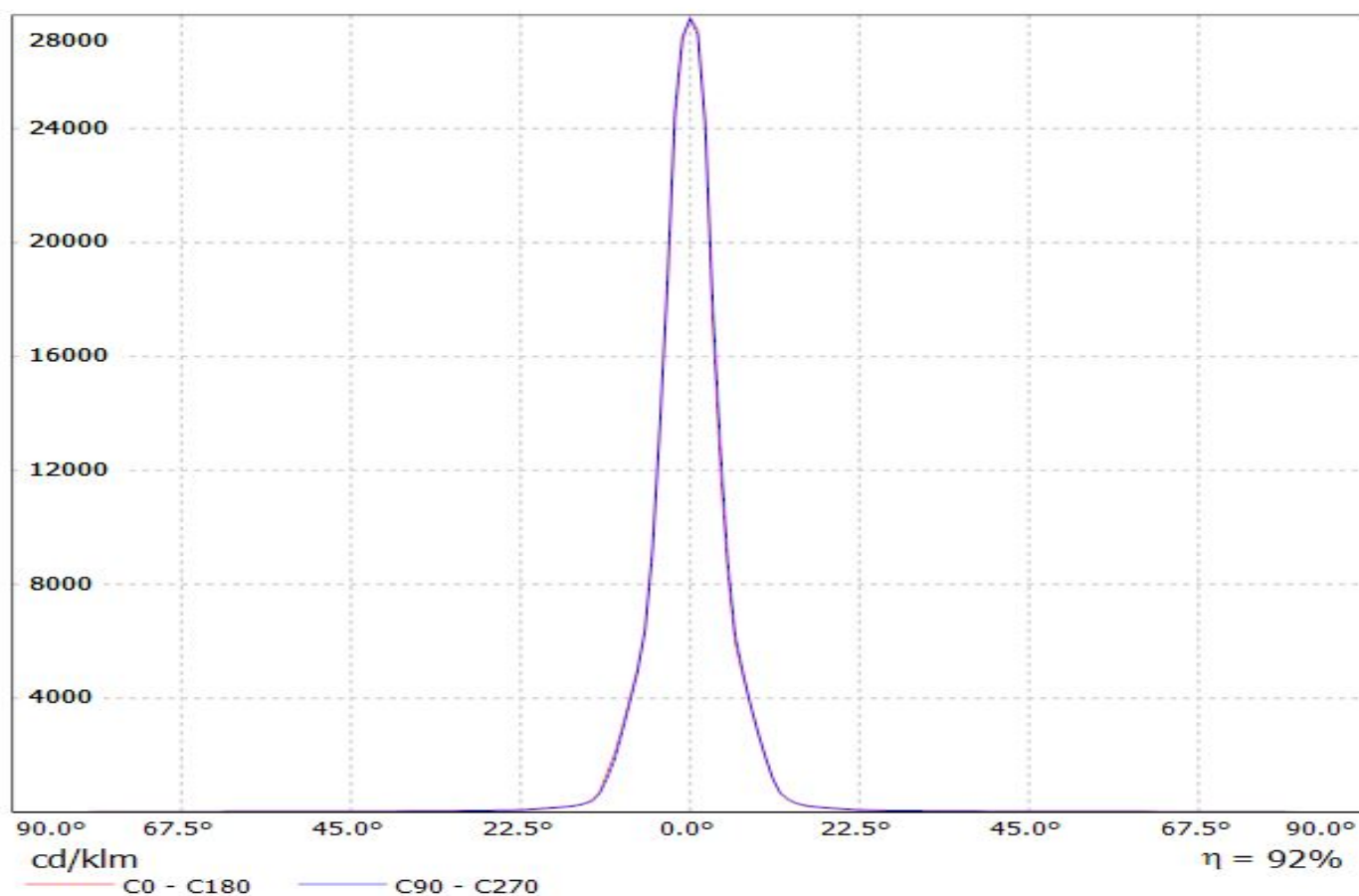
Luminaire: Ledil CN13552\_CRYSTAL-RS\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)  
\_107.852lm@250mA\_CCT=3185K\_P=0.7W\_I=0.25A



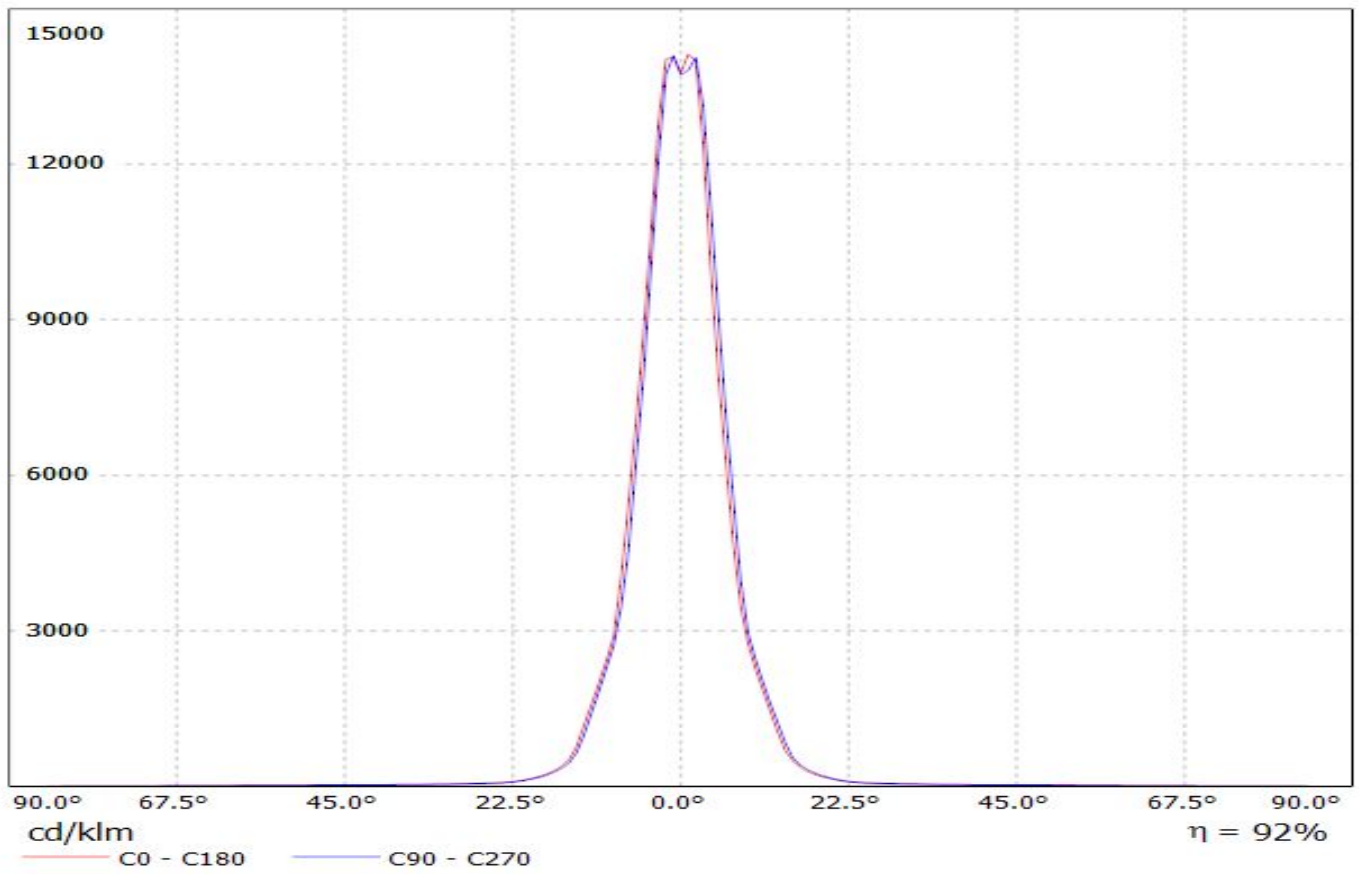
Luminaire: LEDiL Oy CN13552\_CRYSTAL-RS\_(Z\_ES)  
Lamps: 1 x Philips\_Lumileds\_Luxeon\_Z\_ES\_(LXZ2-5070)  
\_84.6528lm@250mA\_P=0.730483W\_I=249.9mA



Luminaire: LEDiL Oy FCN13552\_CRYSTAL-RS\_(NWSL229AE)  
Lamps: 1 x Nichia\_NWSL229AE\_120.514lm@250mA\_P=0.7132W\_I=0.250A

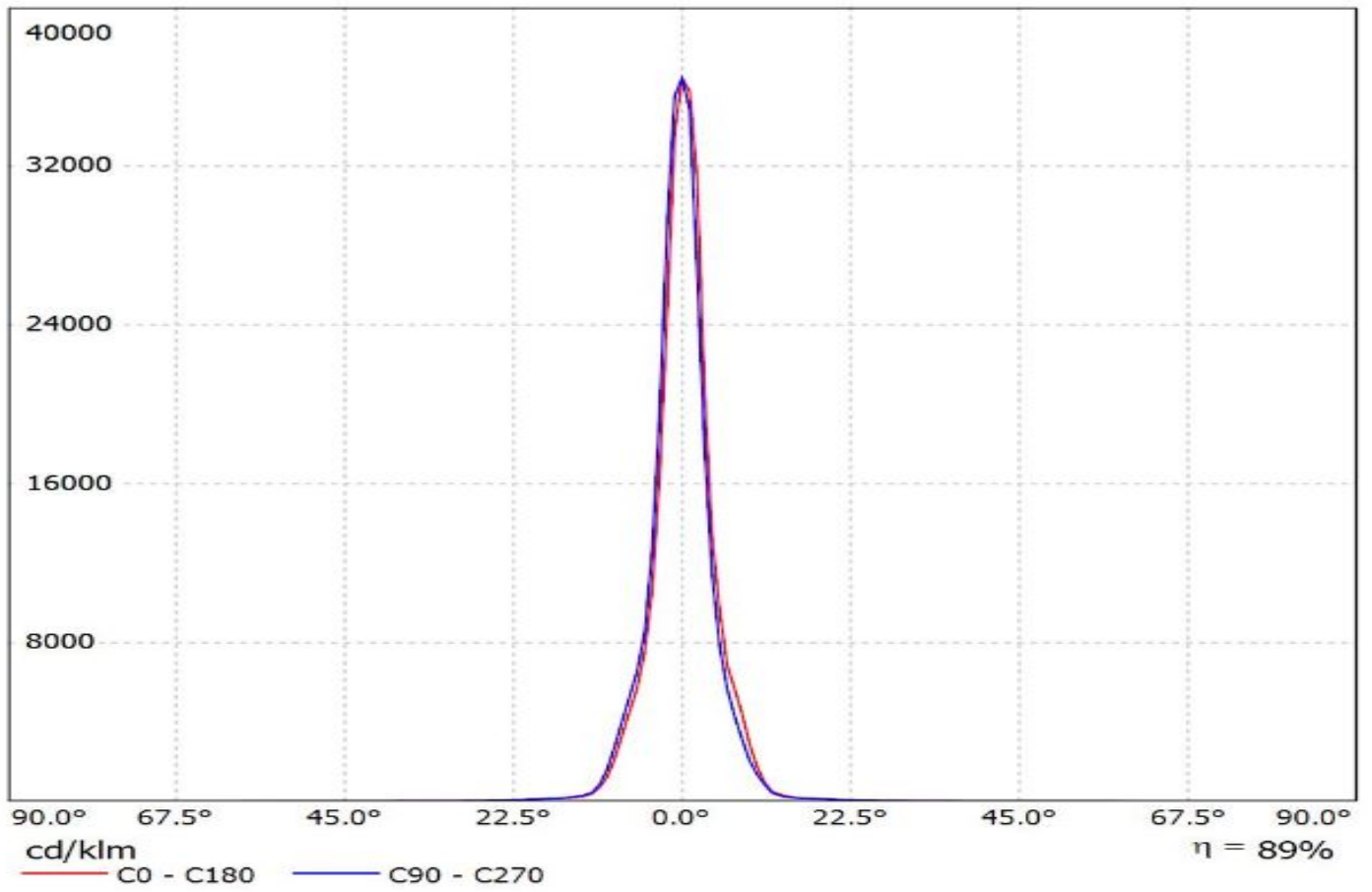


Luminaire: LEDiL Oy FCN13552\_CRYSTAL-RS\_(Nichia\_NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_478.709lm@250mA\_P=2.8097W\_I=0.250A



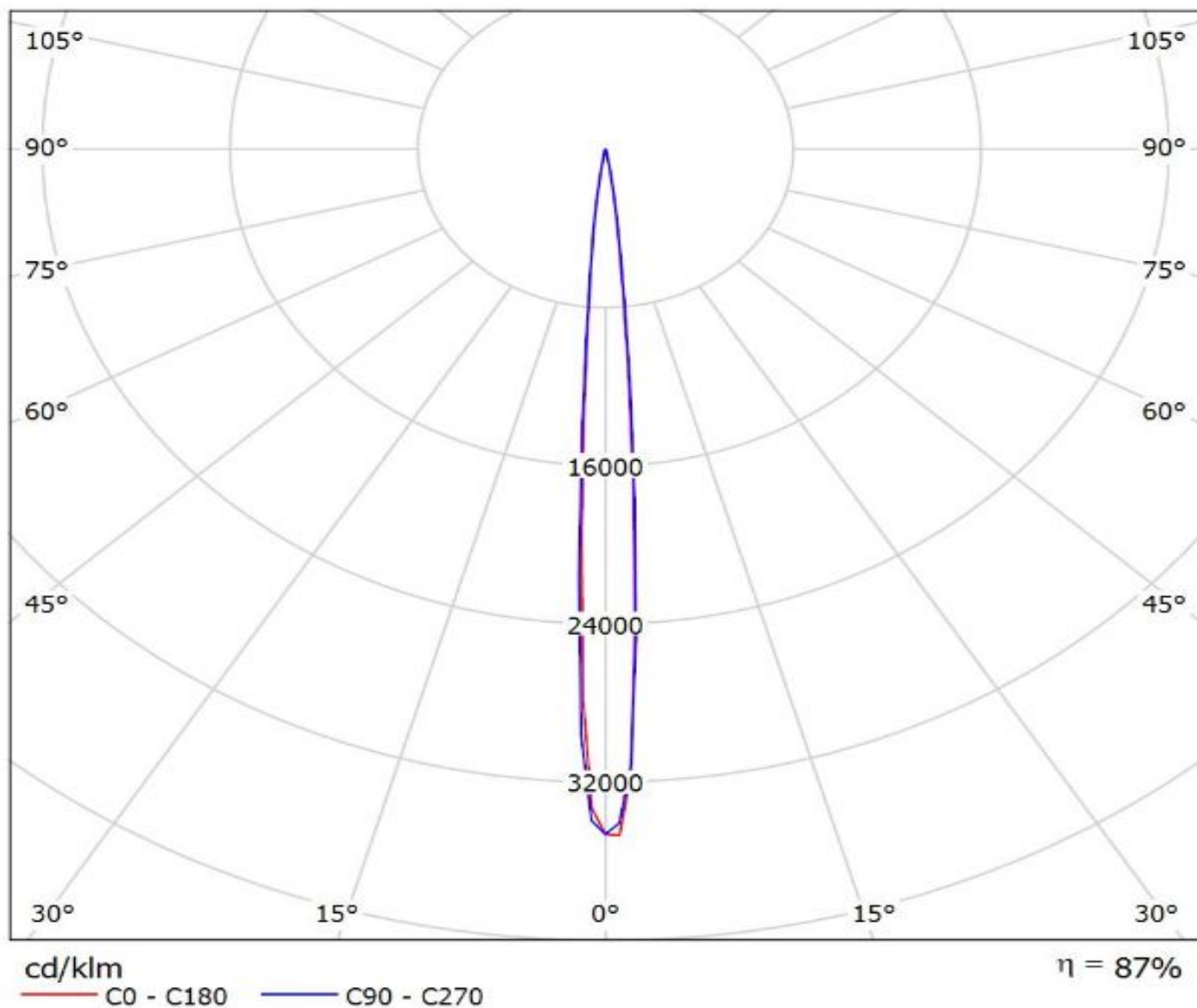
Luminaire: Ledil FCN13552\_CRYSTAL-RS\_(NVSW319AE)

Lamps: 1 x Nichia\_NVSW319AE\_126.239lm@250mA\_P=0.729675W\_I=0.25A

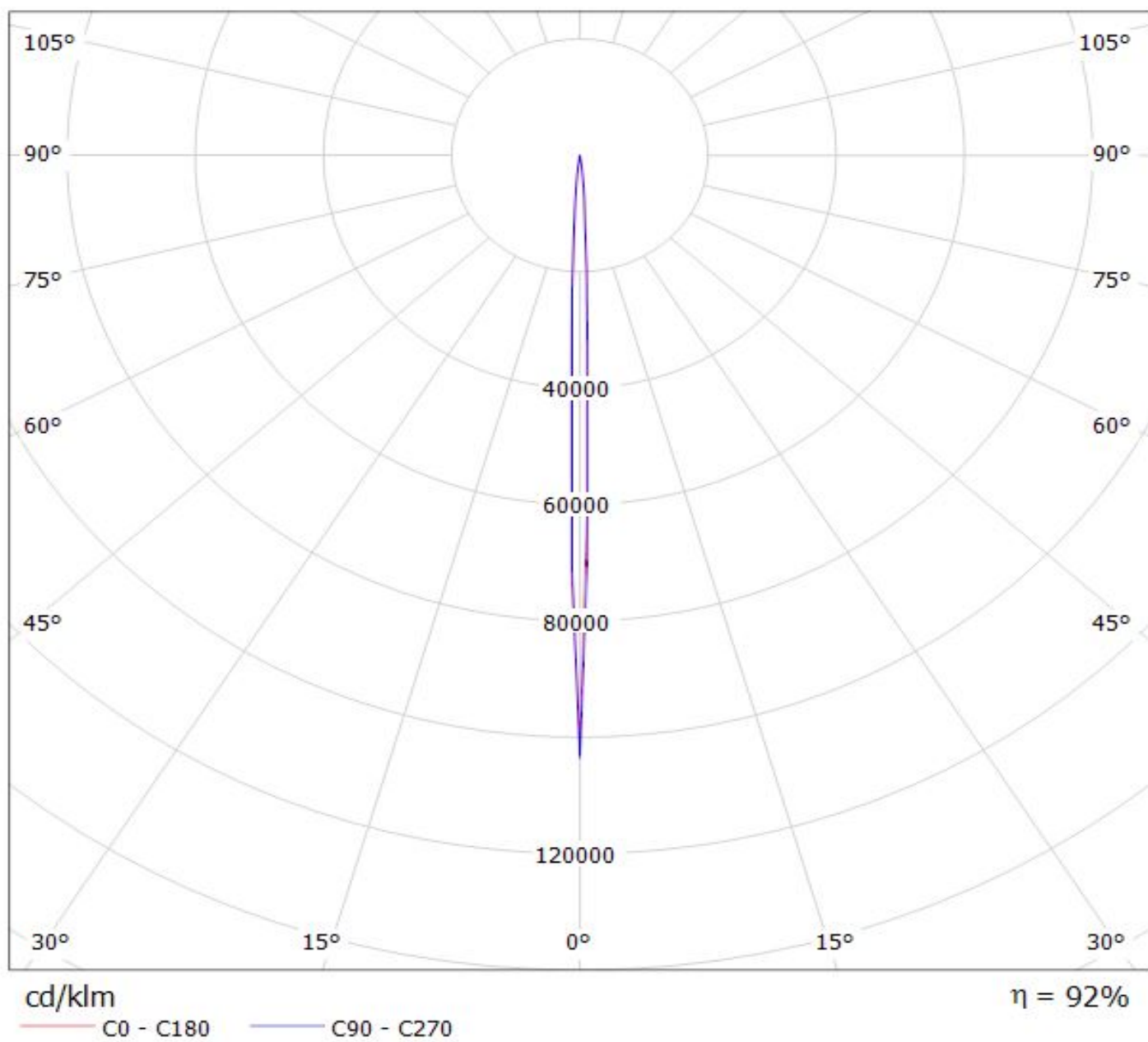


# Ledil CN13552\_CRYSTAL-RS\_(XP-L) / LDC (Polar)

Luminaire: Ledil CN13552\_CRYSTAL-RS\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)  
\_107.852lm@250mA\_CCT=3185K\_P=0.7W\_I=0.25A

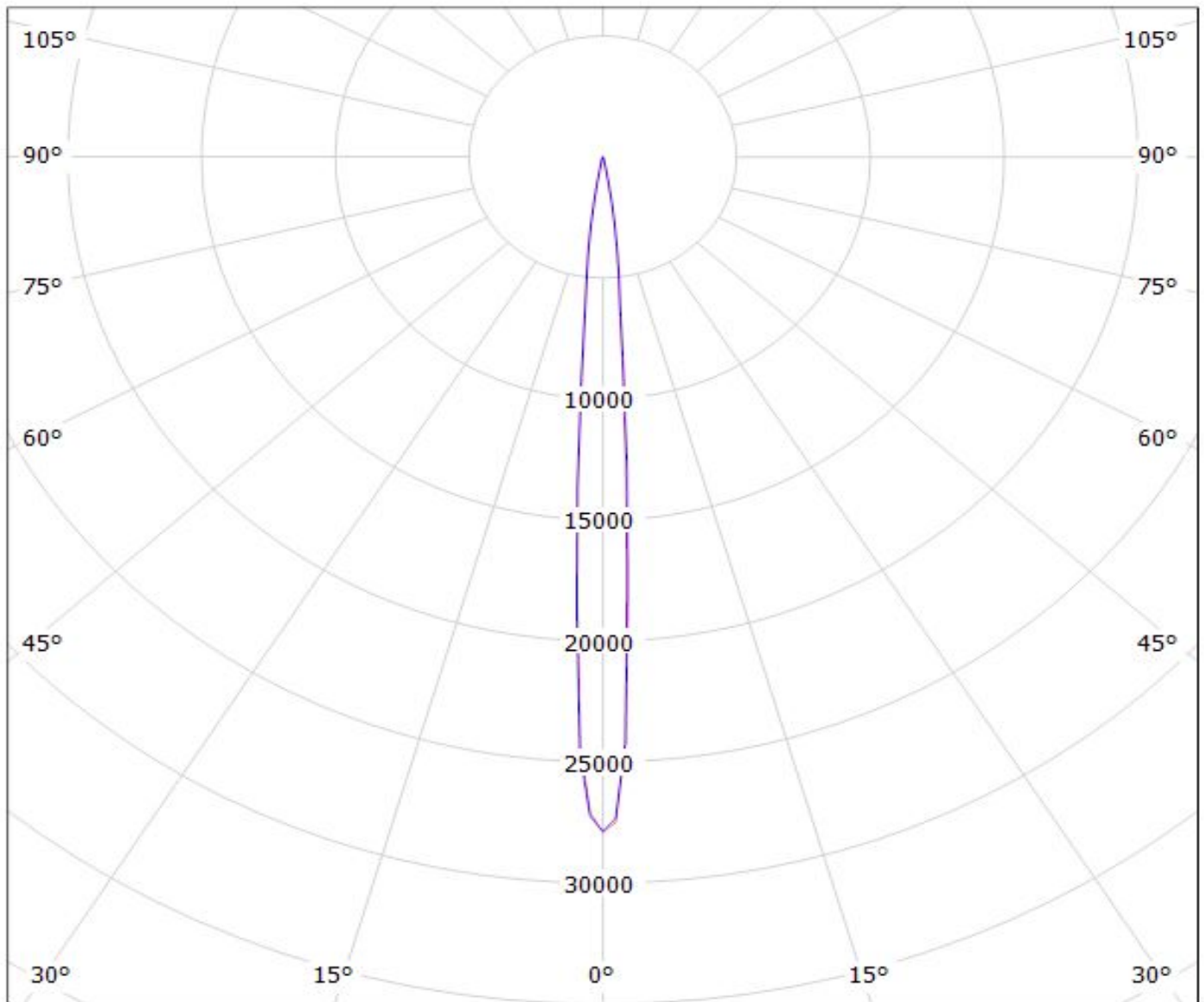


Luminaire: LEDiL Oy CN13552\_CRYSTAL-RS\_(Z\_ES)  
Lamps: 1 x Philips\_Lumileds\_Luxeon\_Z\_ES\_(LXZ2-5070)  
\_84.6528lm@250mA\_P=0.730483W\_I=249.9mA



Luminaire: LEDiL Oy FCN13552\_CRYSTAL-RS\_(NWSL229AE)

Lamps: 1 x Nichia\_NWSL229AE\_120.514lm@250mA\_P=0.7132W\_I=0.250A



cd/klm

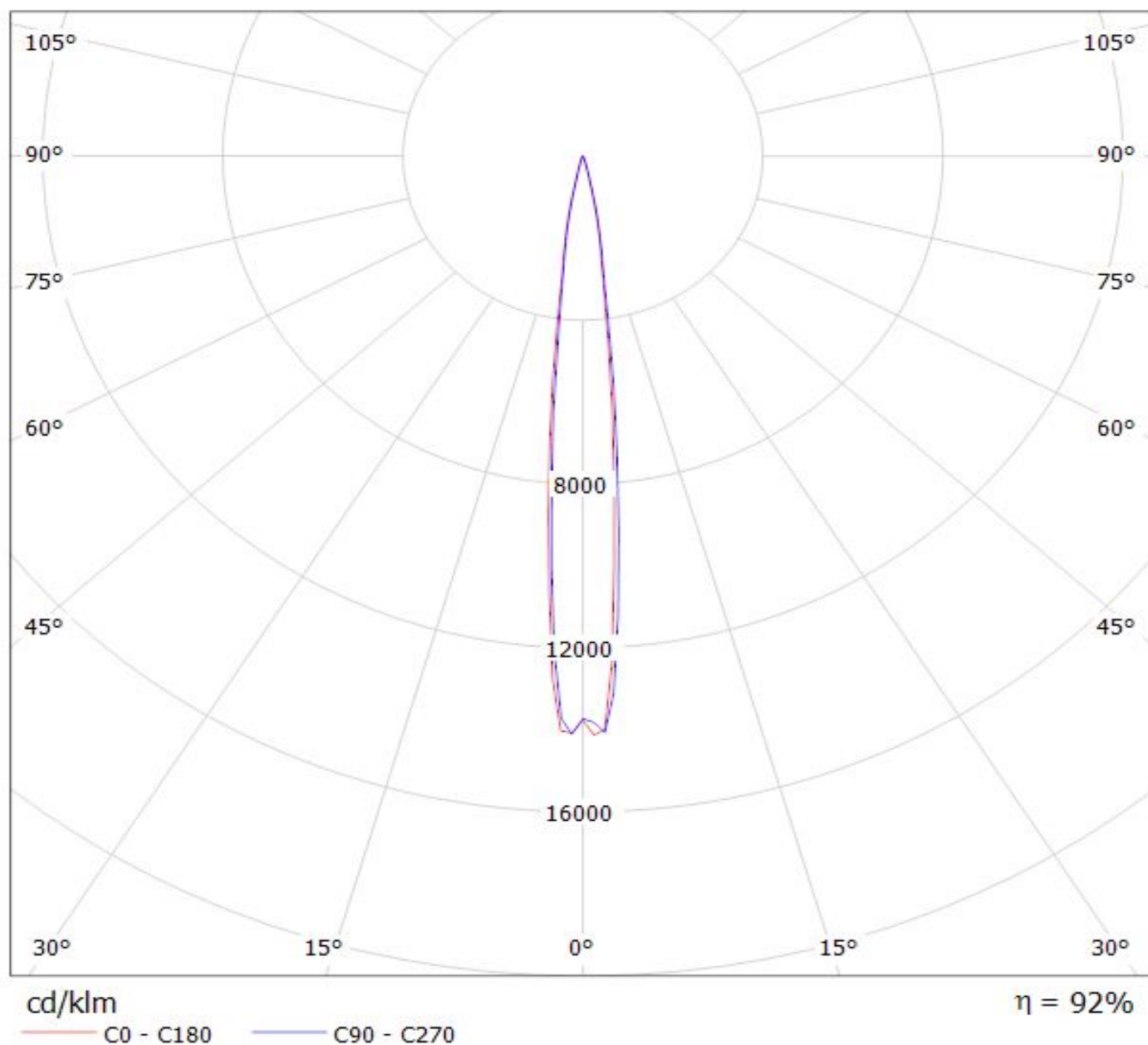
η = 92%

— C0 - C180

— C90 - C270

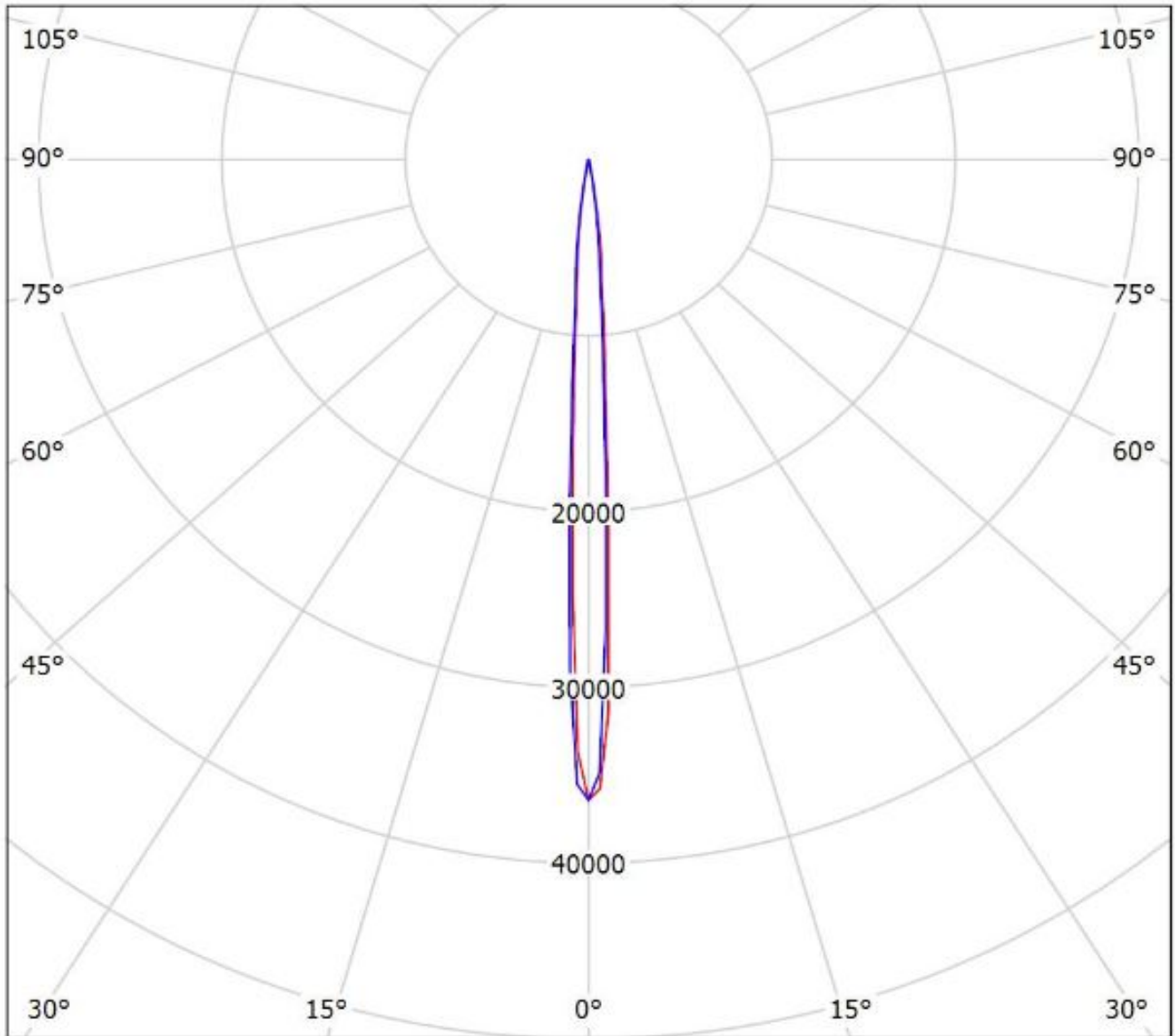


Luminaire: LEDiL Oy FCN13552\_CRYSTAL-RS\_(Nichia\_NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_478.709lm@250mA\_P=2.8097W\_I=0.250A



Luminaire: Ledil FCN13552\_CRYSTAL-RS\_(NVSW319AE)

Lamps: 1 x Nichia\_NVSW319AE\_126.239lm@250mA\_P=0.729675W\_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

**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.**