

## DETAILS

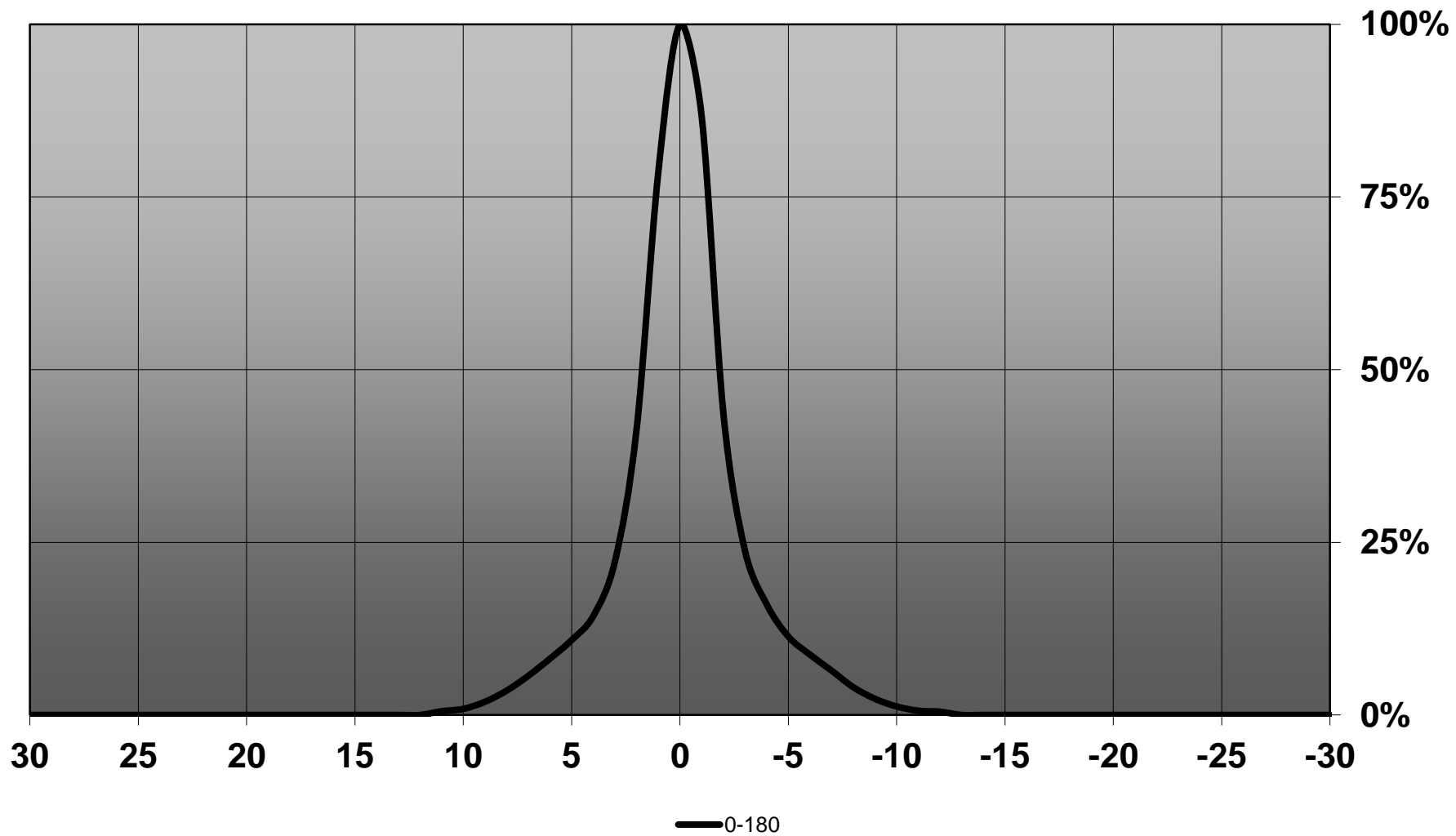
<b>Product Number</b>	CN13595_CRYSTAL-MINE
<b>Family</b>	Crystal
<b>Type</b>	Pack
<b>Color</b>	white
<b>Diameter</b>	46.8 mm
<b>Height</b>	27,4 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	PC
<b>Fastening</b>	screw, pin
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	15/06/2015



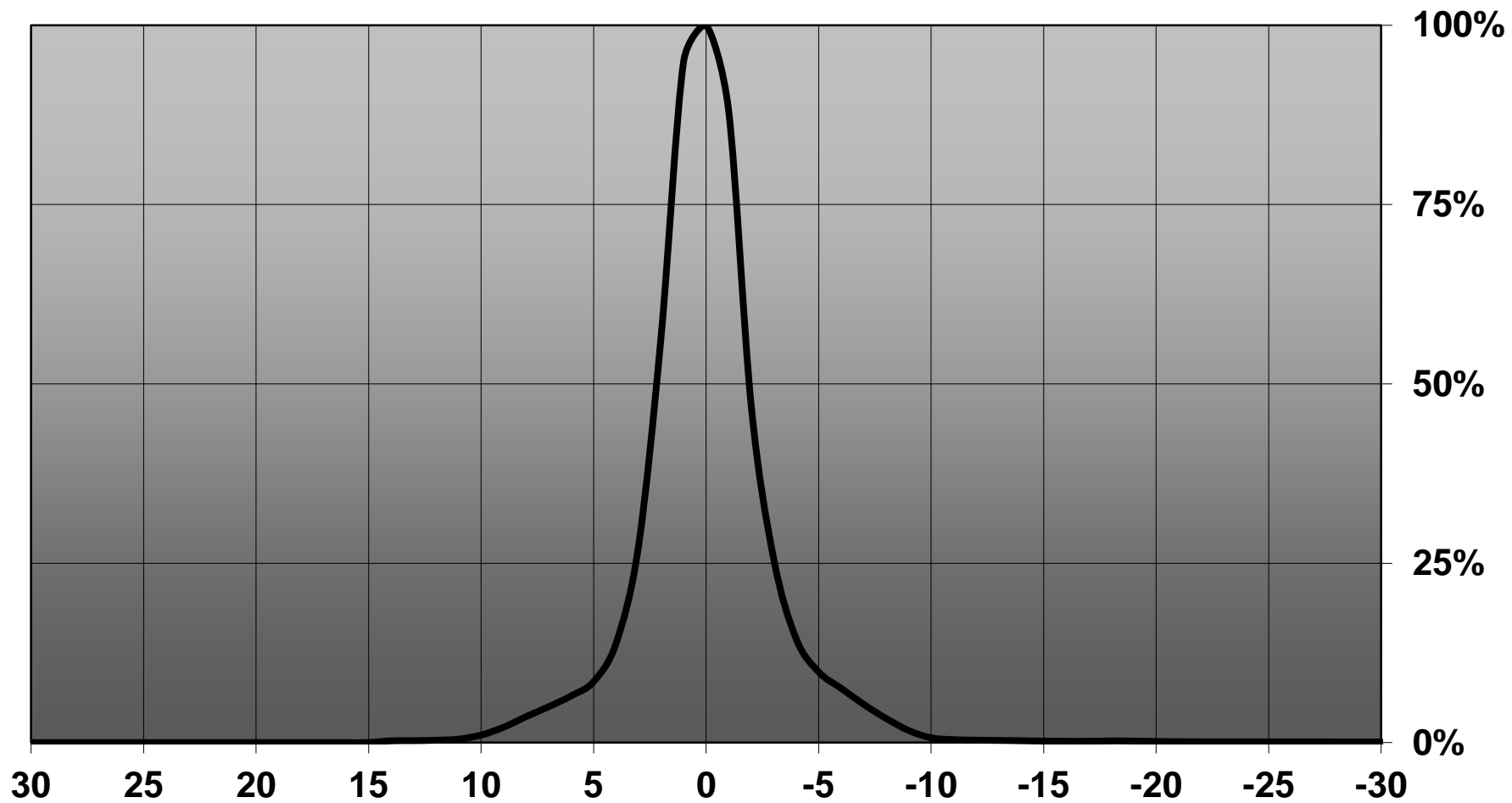
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
NCSxx19B	3.6 deg	Spot	90 %	73.300	-
LH351Z	4.2 deg	Spot	90 %	71.400	-
XP-L HI	4.5 deg	Spot	92 %	60.000	-
XP-G2	4.6 deg	Spot	90 %	65.200	-
XP-G	4.7 deg	Spot	90 %	66.900	-
LUXEON A	4.9 deg	Spot	89 %	58.200	-
LUXEON T	4.9 deg	Spot	89 %	55.100	-
LUXEON TX	5.0 deg	Spot	94 %	50.600	-
LH351B	5.1 deg	Spot	90 %	51.770	-
XM-L2	6.9 deg	Spot	90 %	35.000	-
XP-L	7 deg	Spot	86 %	33.000	-

# Relative intensity of CN13595\_CRYSTAL-MINE\_(NCSxx19B)

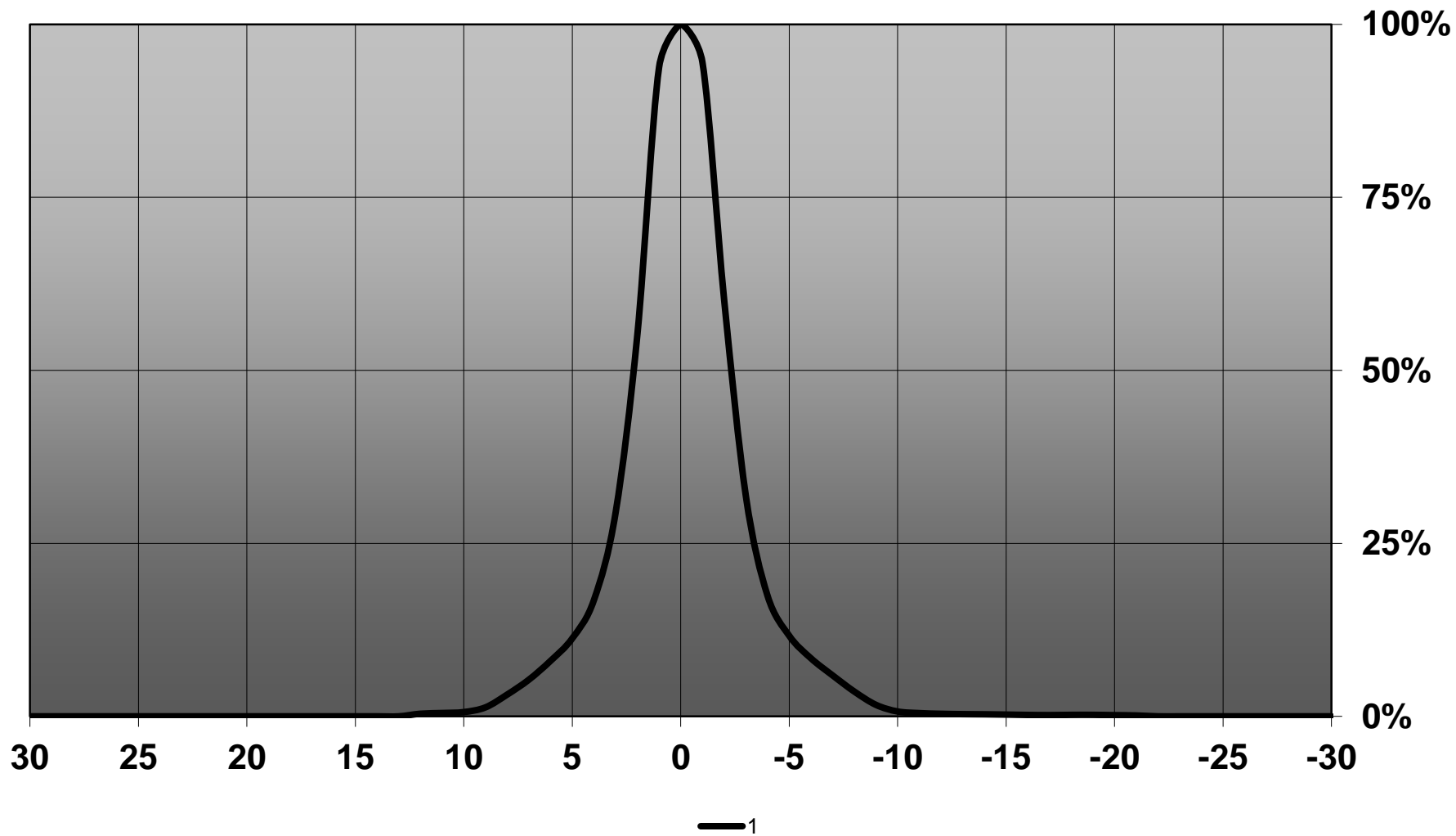


# Relative intensity of CN13595\_CRYSTAL-MINE\_(LH351Z)

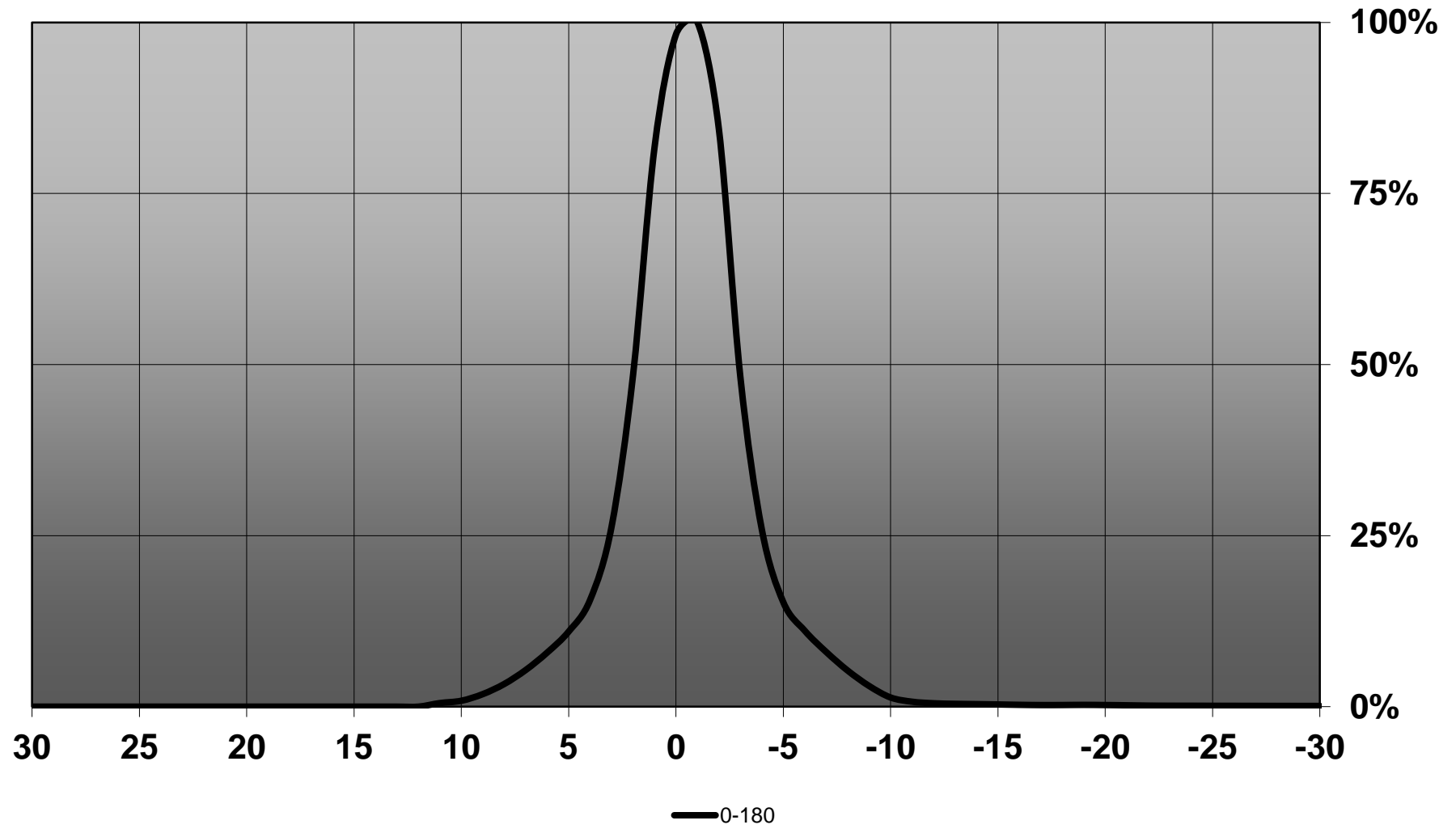


— 1: 0-180

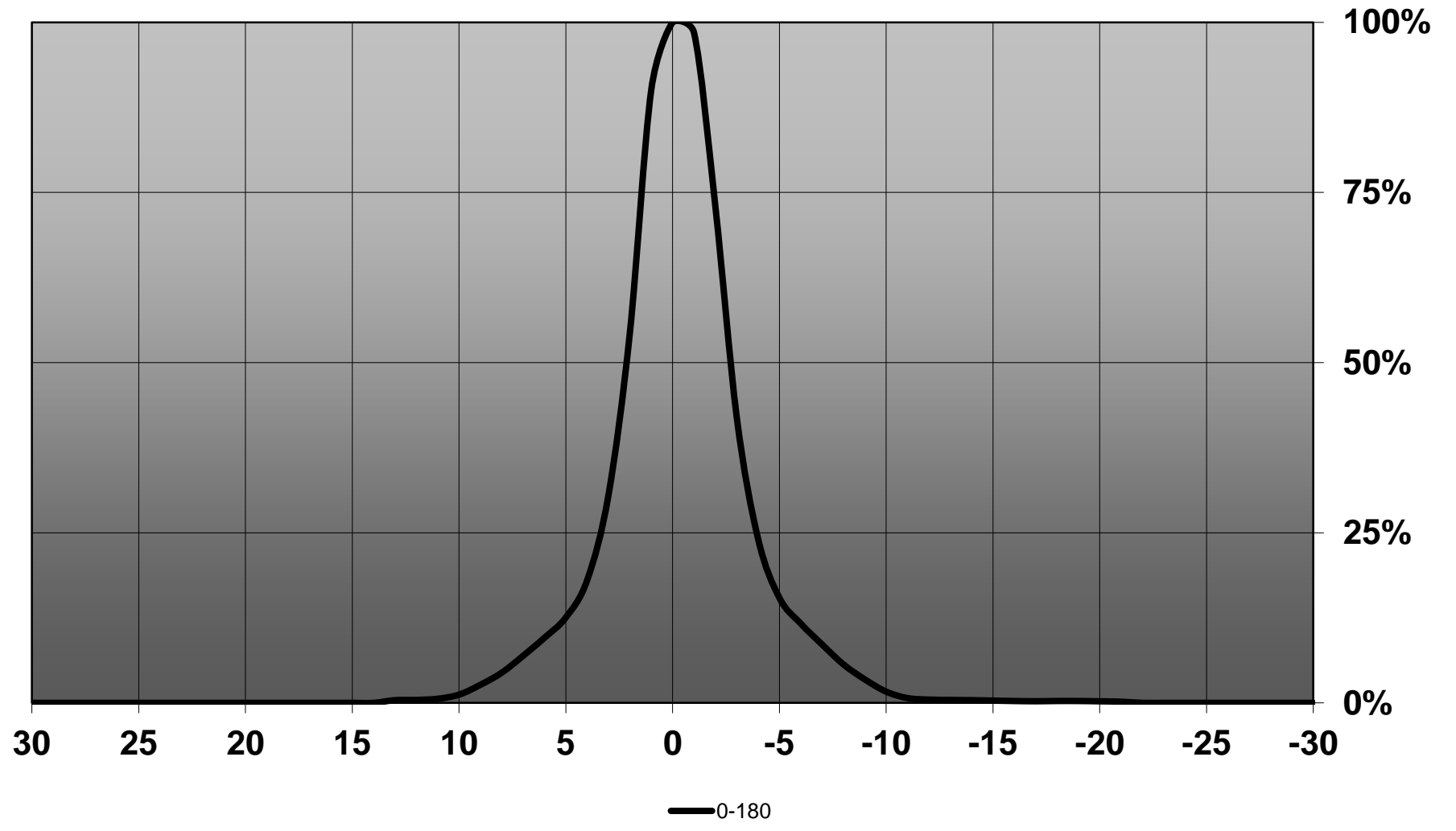
# Relative intensity of CN13595\_CRYSTAL-MINE\_(XP-G2)



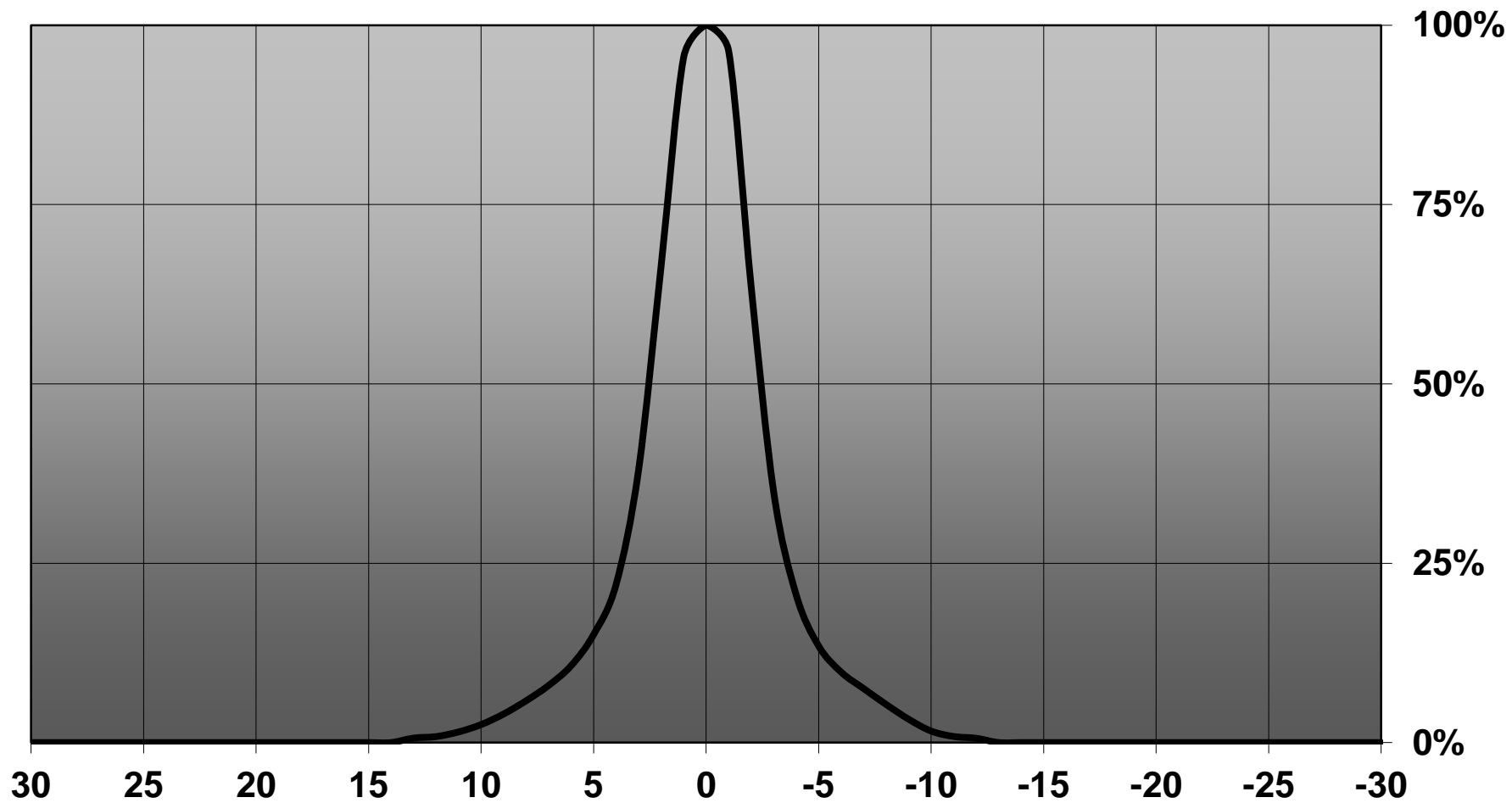
# Relative intensity of CN13595\_CRYSTAL-MINE\_(Luxeon\_A)



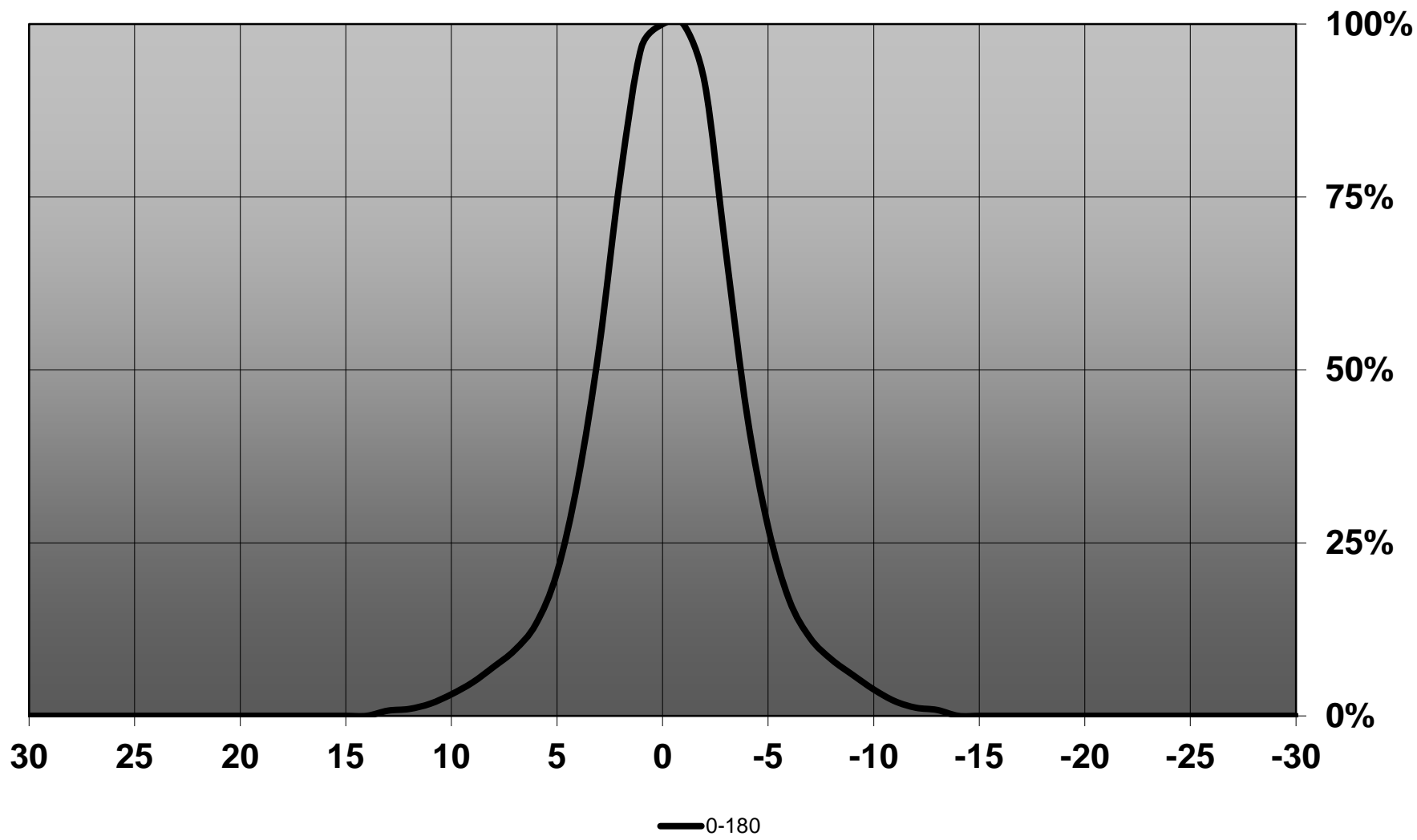
# Relative intensity of CN13595\_CRYSTAL-MINE\_(Luxeon\_T)



### Relative intensity of CN13595\_CRYSTAL-MINE\_(LH351B)



# Relative intensity of CN13595\_CRYSTAL-MINE\_(XM-L2)





D

C

B

A

4

4

3

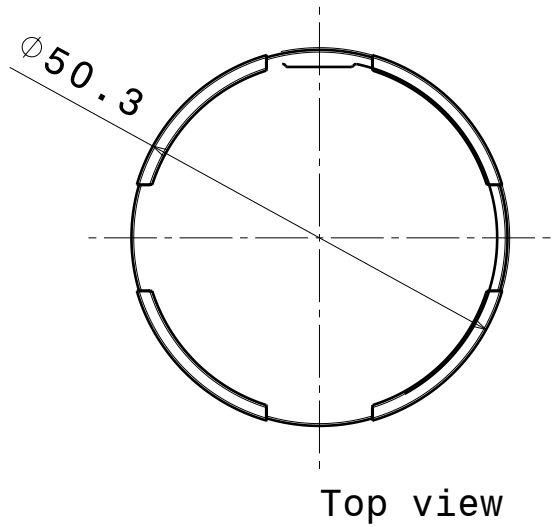
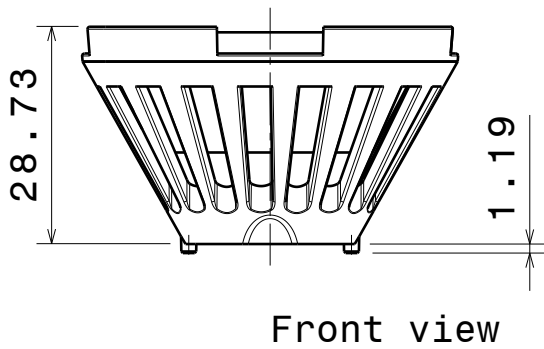
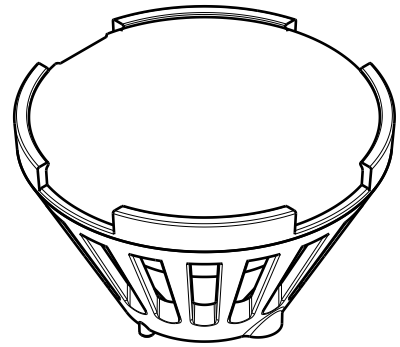
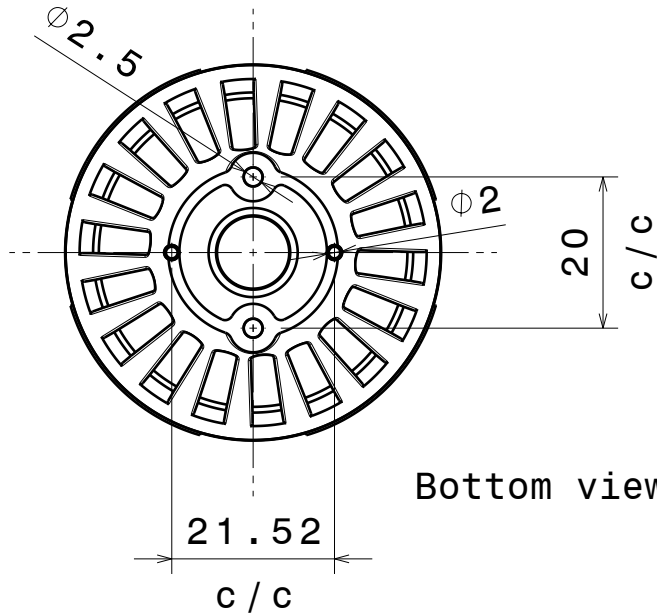
3

2

2

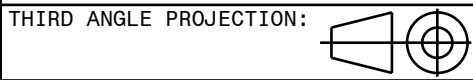
1

1



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

**LEDiL** LediL Oy  
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 FIN 24240 SALO  
 Finland



DRAWING TITLE  
**Crystal Assembly MechDrawing**

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SIZE	PART NUMBER		
A4	-		

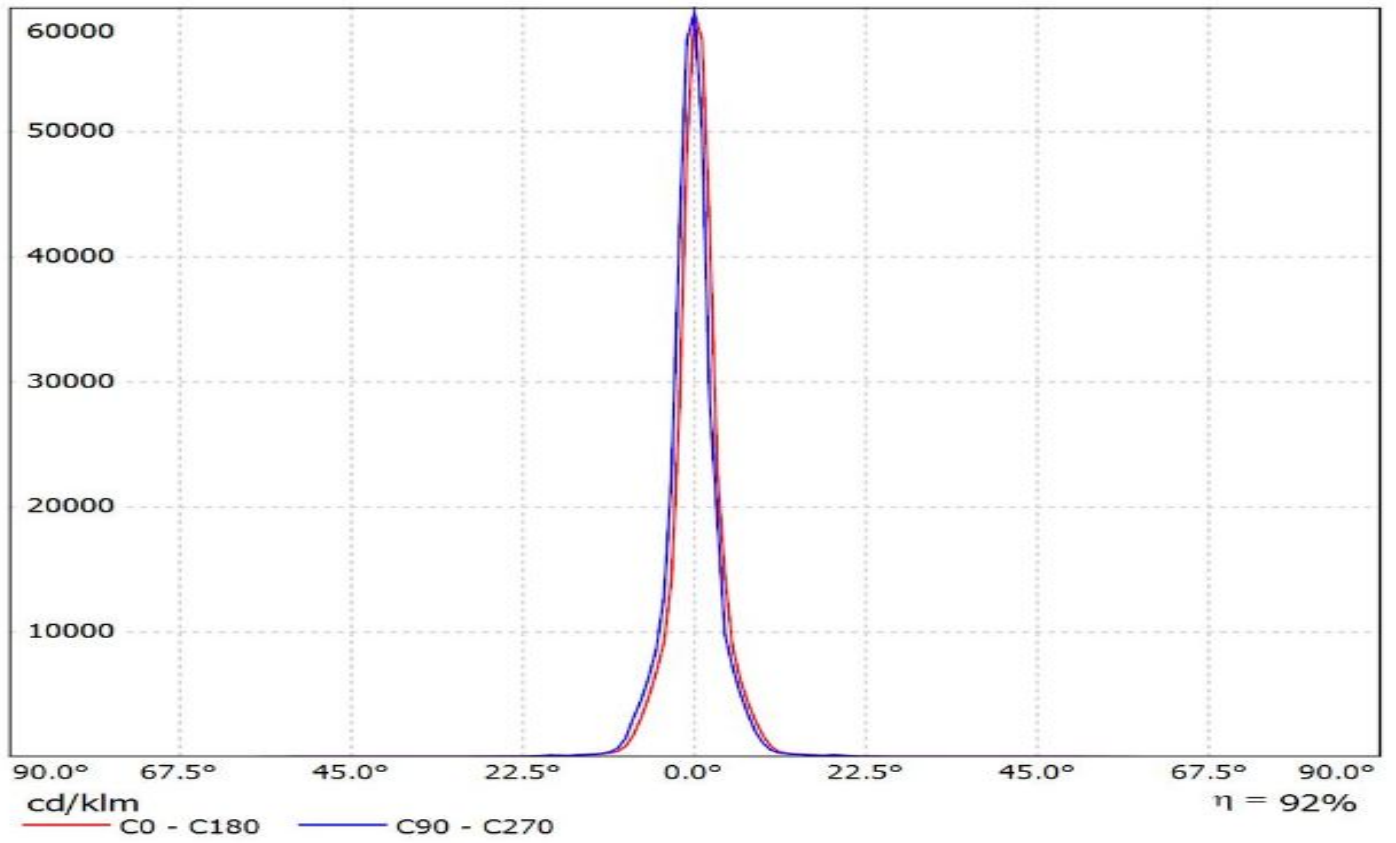
SCALE	1:1	WEIGHT	-	SHEET	1/1
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D

A

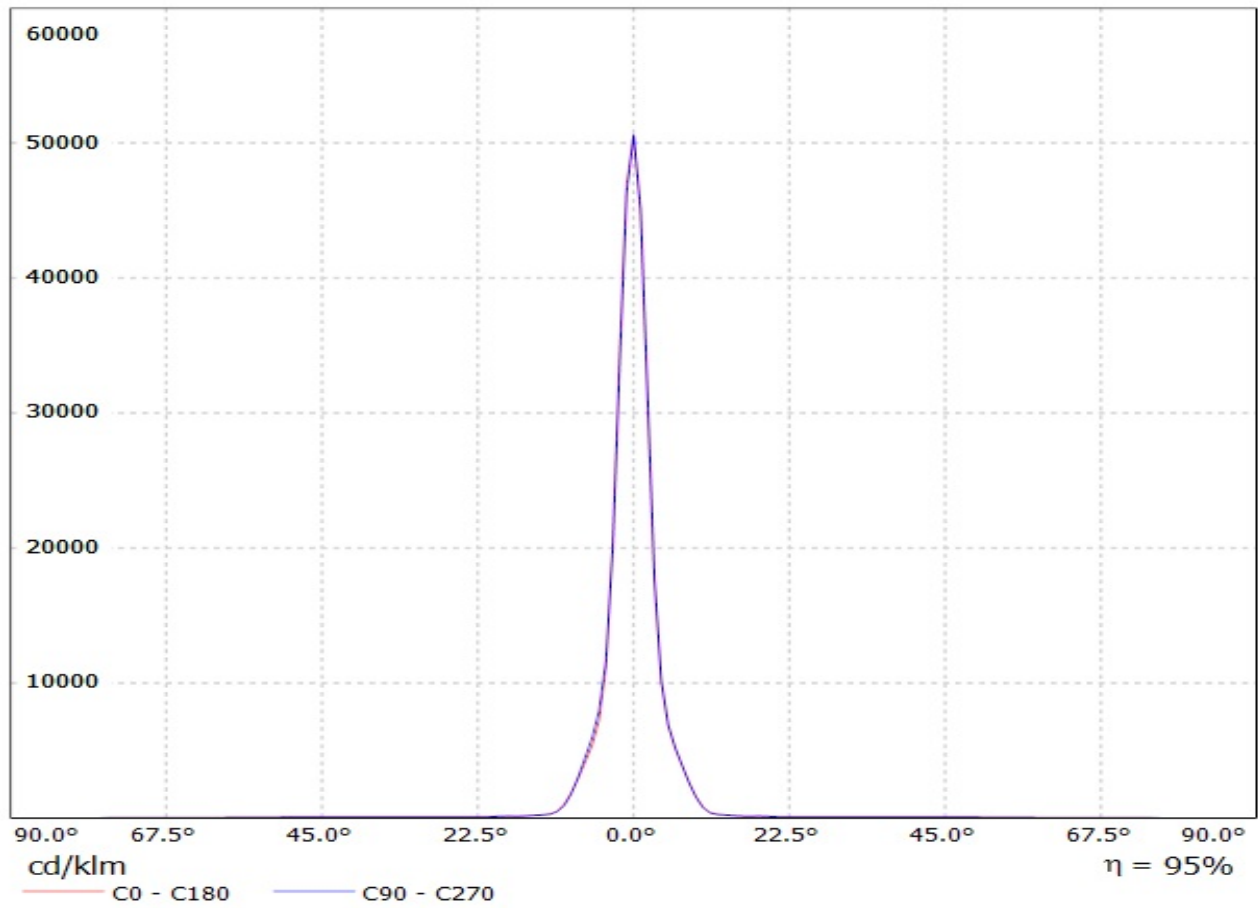
# Ledil CN13595\_CRYSTAL-MINE\_(XP-L\_HI) / LDC (Linear)

Luminaire: Ledil CN13595\_CRYSTAL-MINE\_(XP-L\_HI)  
Lamps: 1 x Cree\_XP-L\_HI\_21.6891lm@250mA\_P=0.13W\_I=0.05A



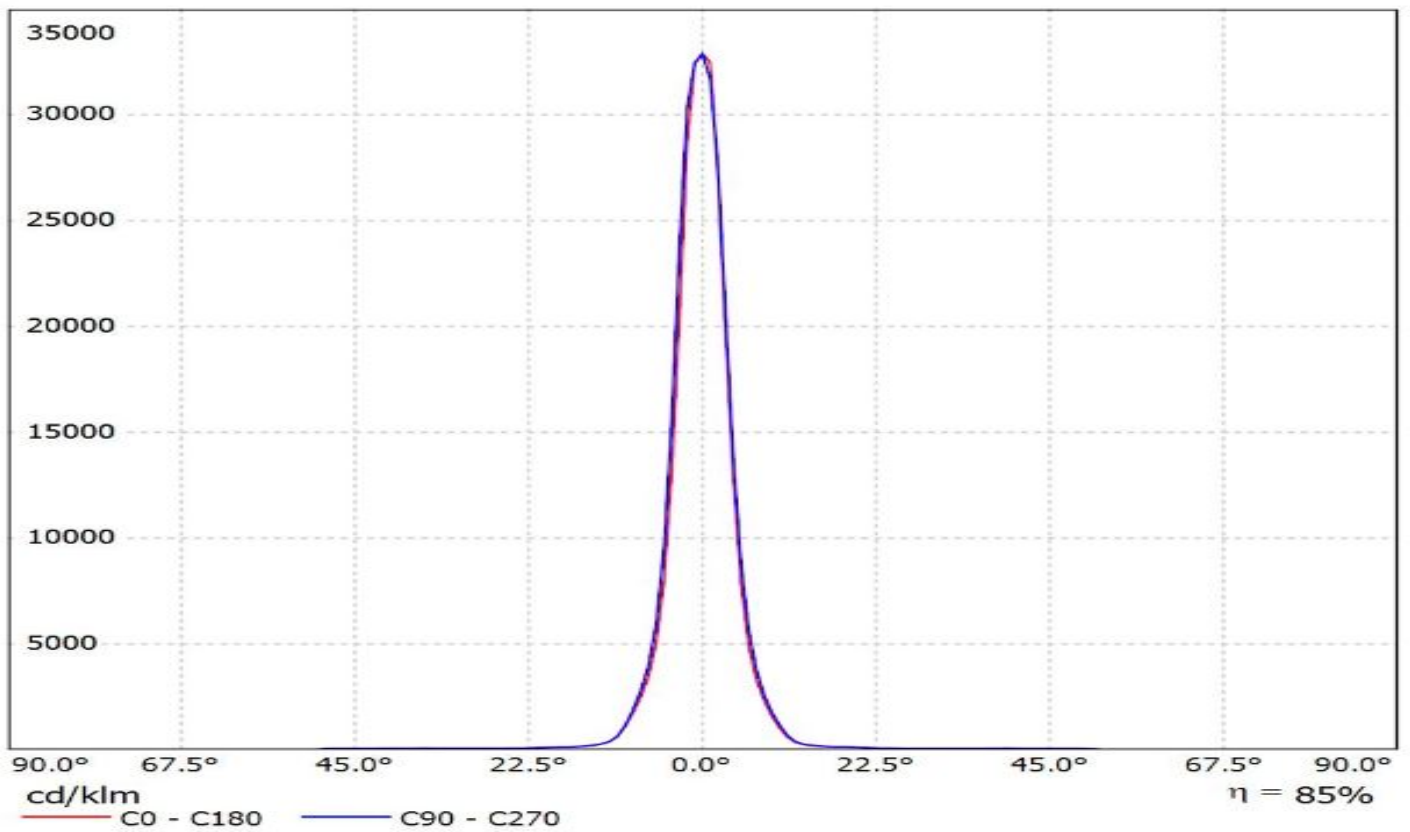
Luminaire: LEDiL Oy CN13595\_CRYSTAL-MINE\_(Luxeon\_TX)

Lamps: 1 x Philips\_Lumileds\_Luxeon\_TX\_(L1T2-3585)\_79.5244lm@250mA\_CCT=3554K\_P=0.740729W\_I=0.2499A



# Ledil CN13595\_CRYSTAL-MINE\_(XP-L) / LDC (Linear)

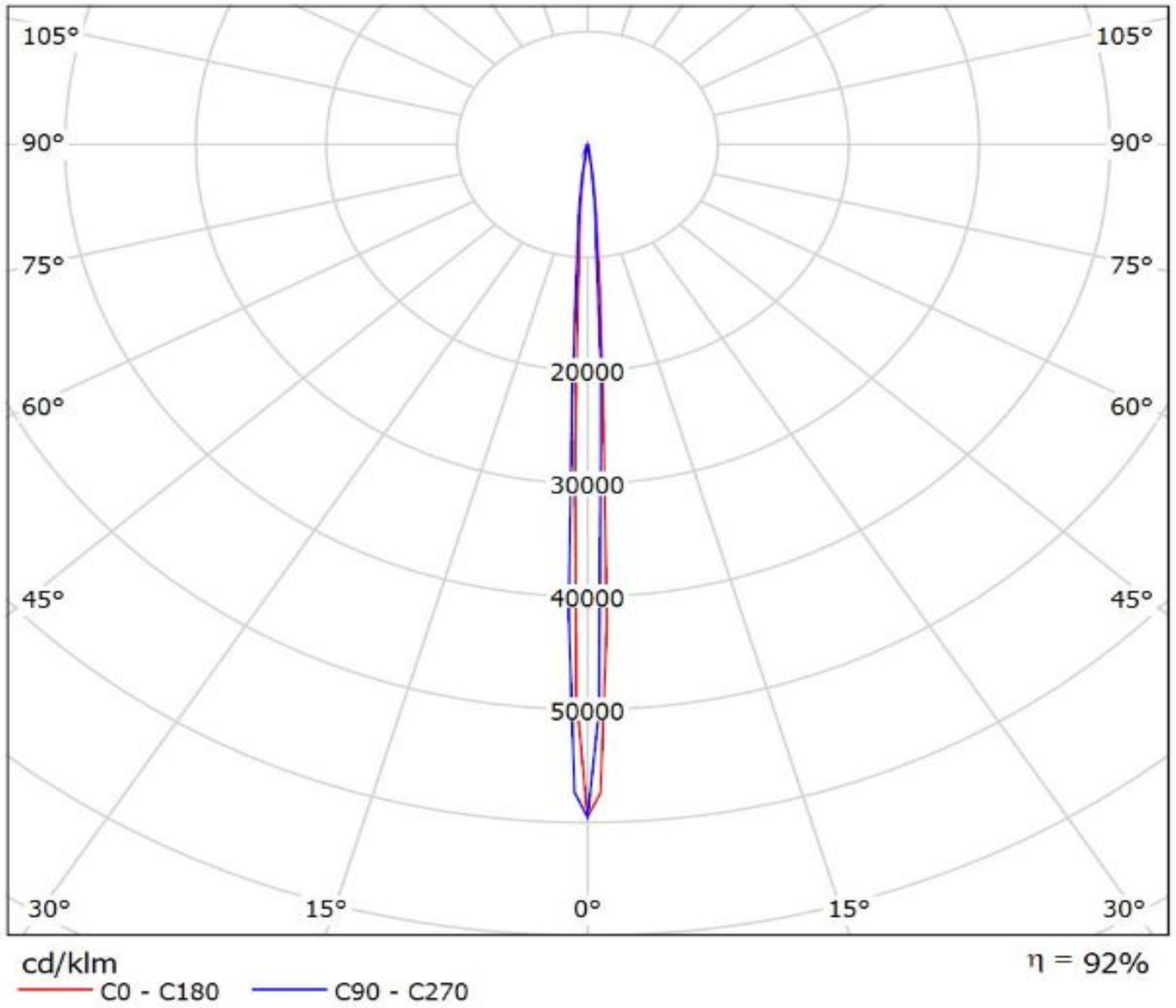
Luminaire: Ledil CN13595\_CRYSTAL-MINE\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)  
\_107.852lm@250mA\_CCT=3185K\_P=0.7W\_I=0.25A



# Ledil CN13595\_CRYSTAL-MINE\_(XP-L\_HI) / LDC (Polar)

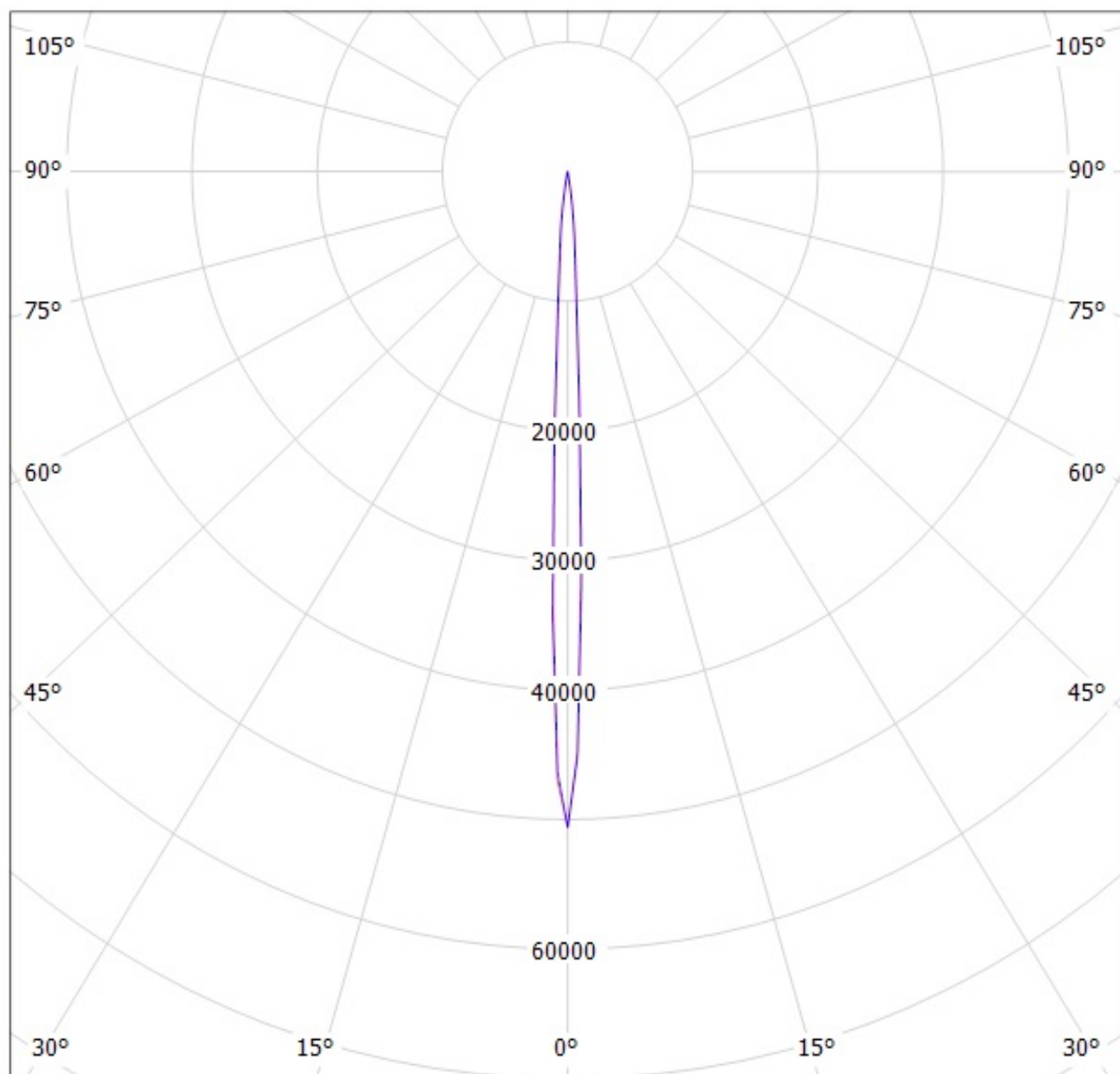
Luminaire: Ledil CN13595\_CRYSTAL-MINE\_(XP-L\_HI)

Lamps: 1 x Cree\_XP-L\_HI\_21.6891lm@250mA\_P=0.13W\_I=0.05A



Luminaire: LEDiL Oy CN13595\_CRYSTAL-MINE\_(Luxeon\_TX)

Lamps: 1 x Philips\_Lumileds\_Luxeon\_TX\_(L1T2-3585)\_79.5244lm@250mA\_CCT=3554K\_P=0.740729W\_I=0.2499A



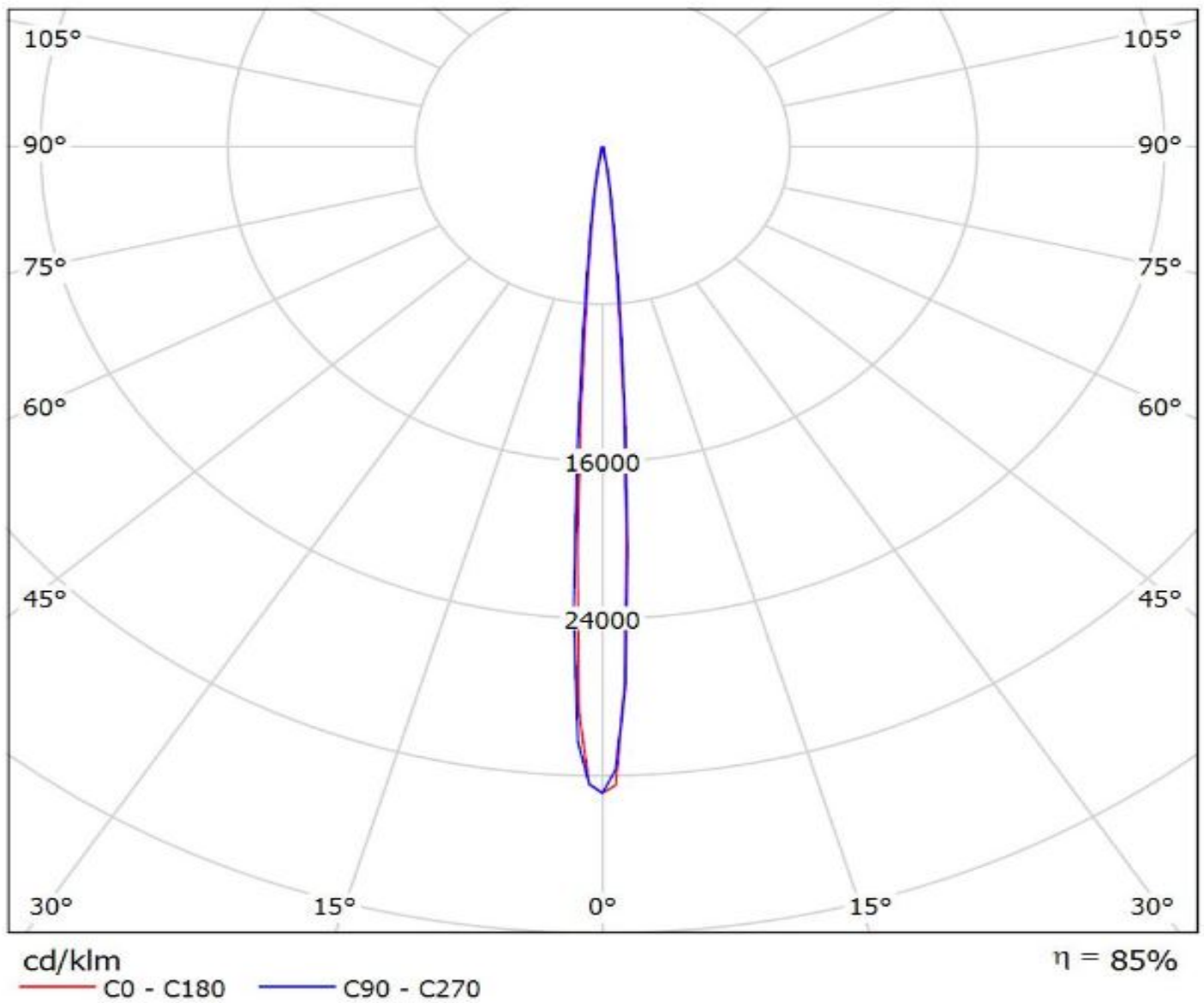
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

# Ledil CN13595\_CRYSTAL-MINE\_(XP-L) / LDC (Polar)

Luminaire: Ledil CN13595\_CRYSTAL-MINE\_(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



**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.**