

DETAILS

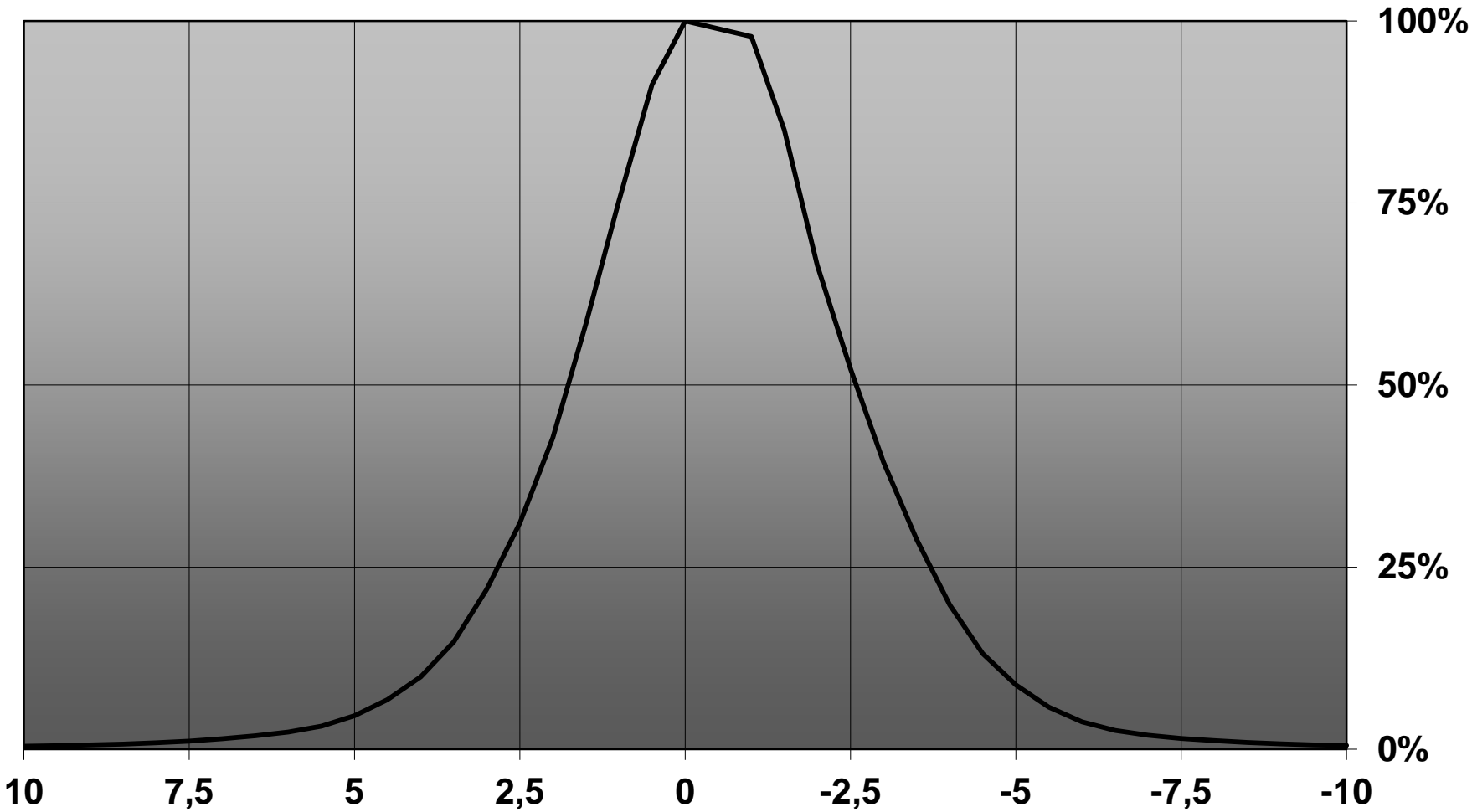
Product Number	FCA12795_IRIS-O
Family	Iris
Type	Assembly
Color	black
Diameter	38 mm
Height	28,6 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Compliant	Yes
Date Updated	8/10/2012

OPTICAL PROPERTIES

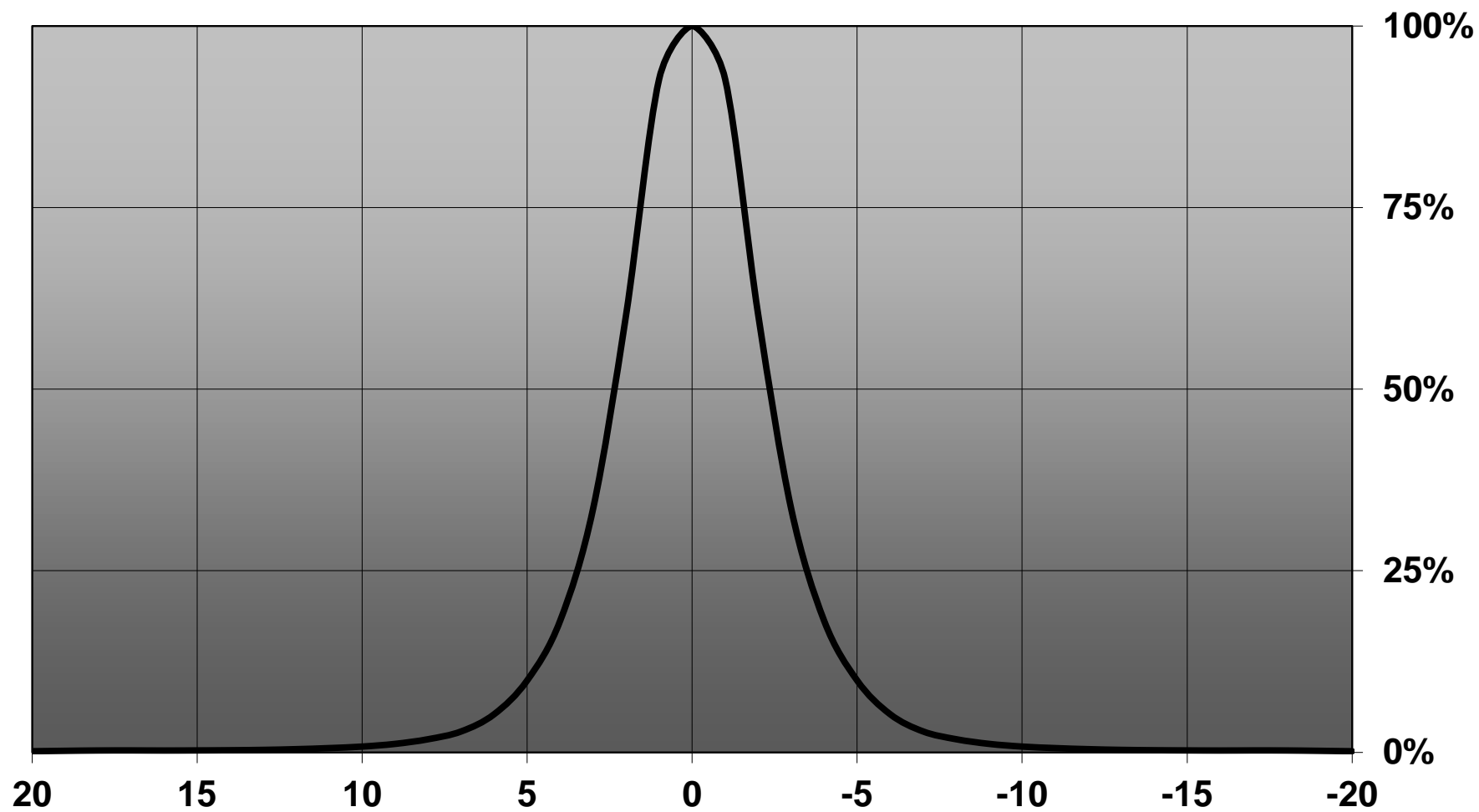
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G	37+25 deg	Oval	84 %	1.400	-
XP-E	41+25 deg	Oval	86 %	1.700	-



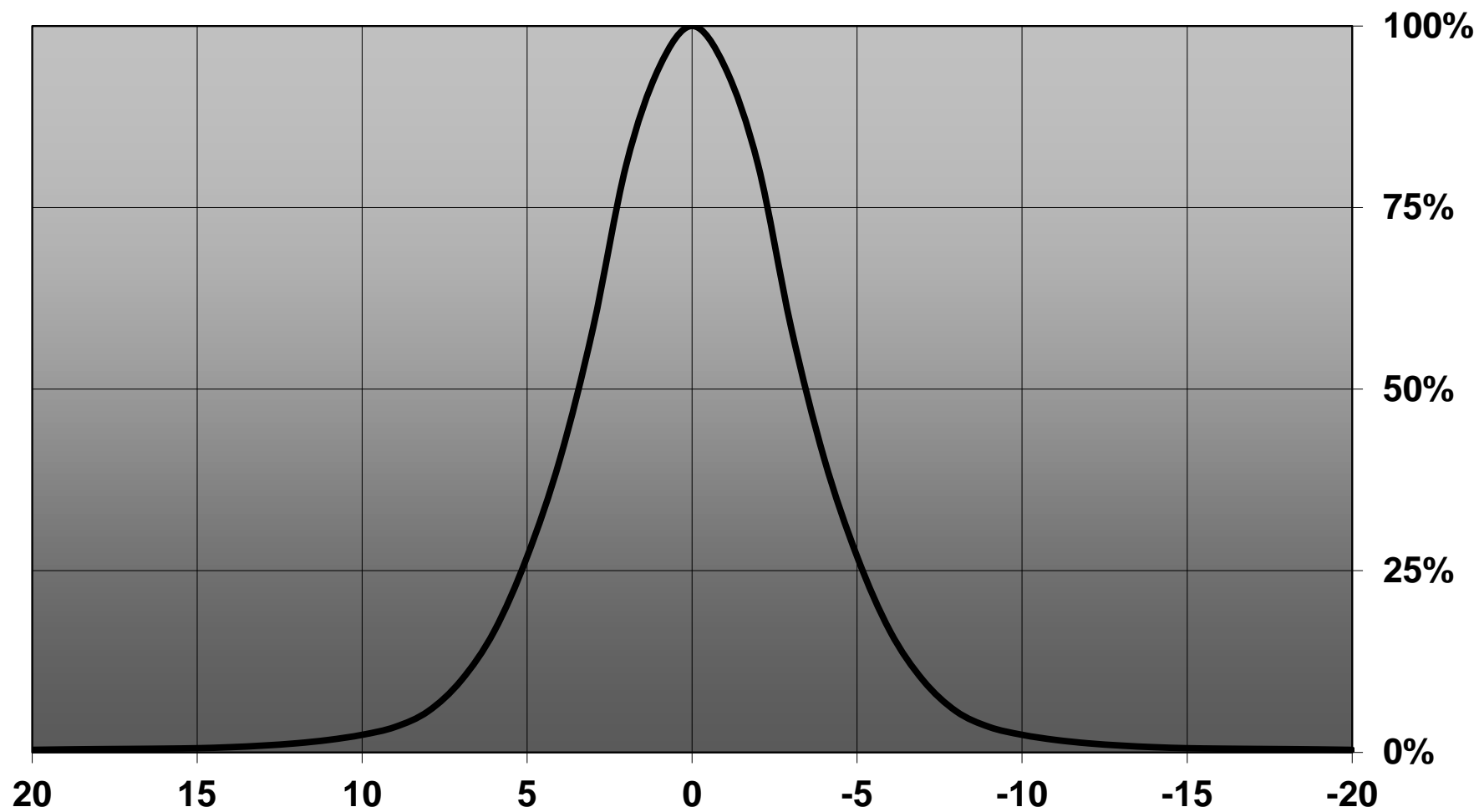
Relative intensity of FCA12077-IRIS_(XPE2)



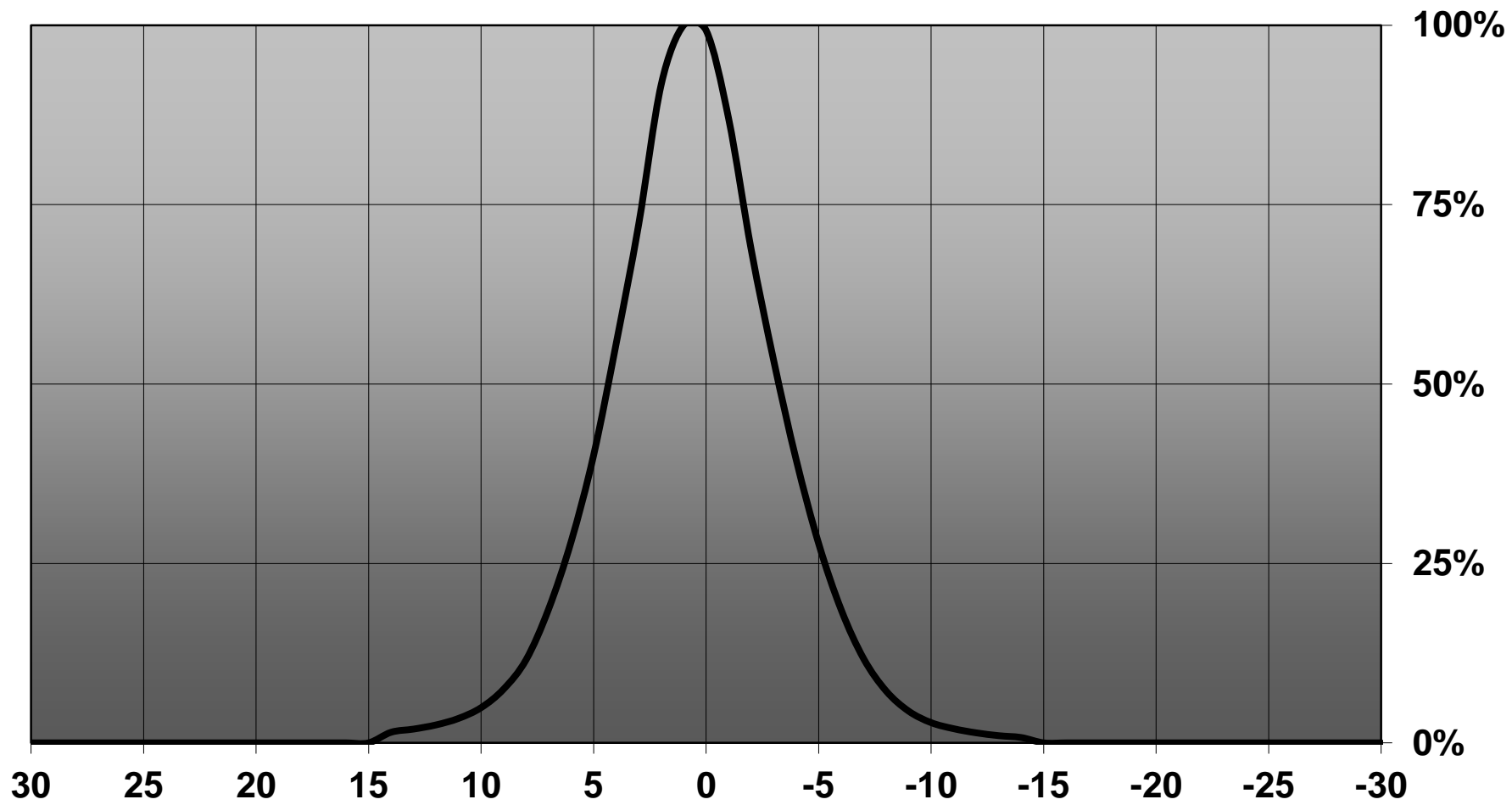
Relative intensity of C4F12077_Iris-RE-tape



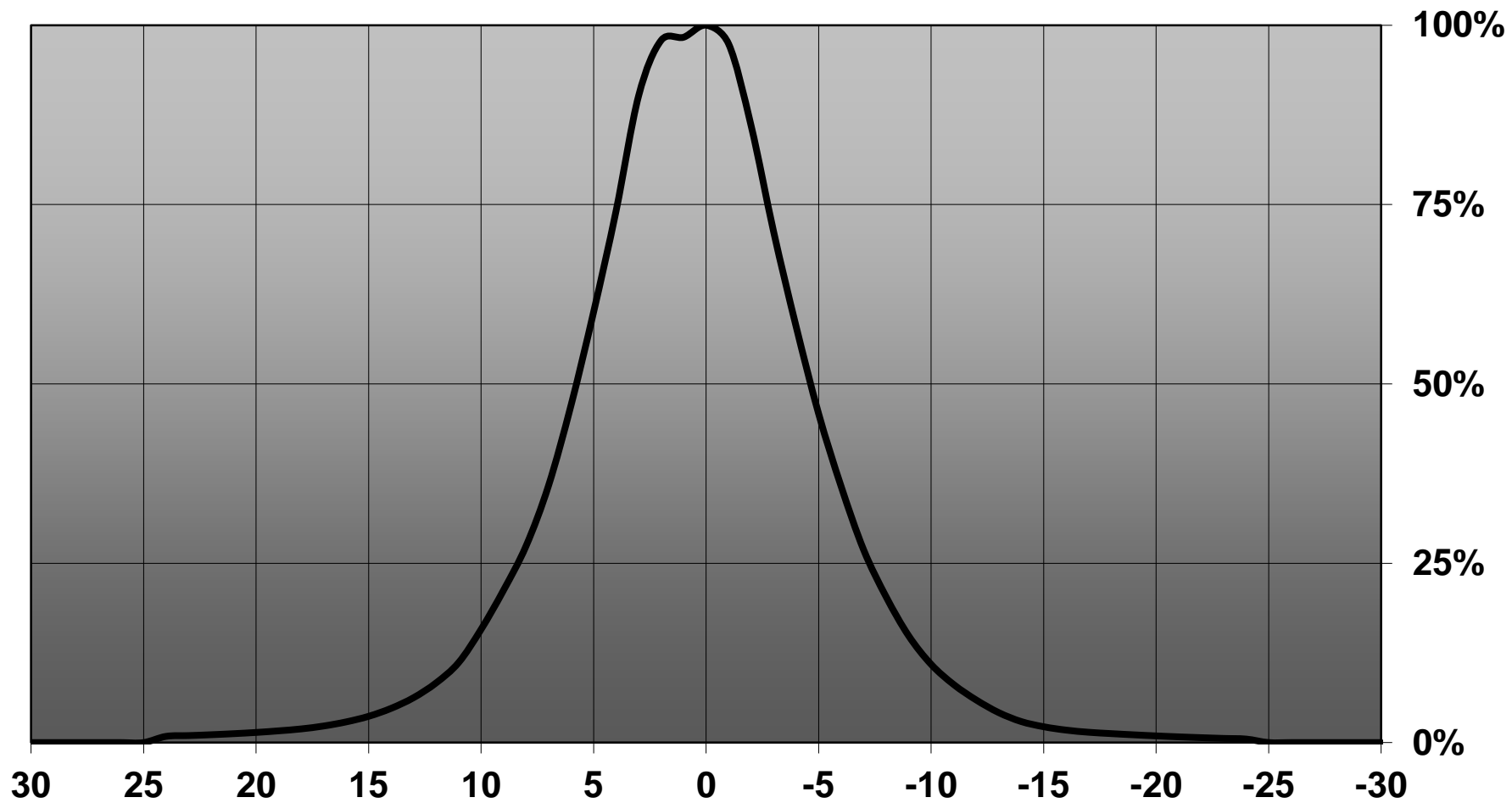
Relative intensity of C4F12077_Iris-RE-ES-tape



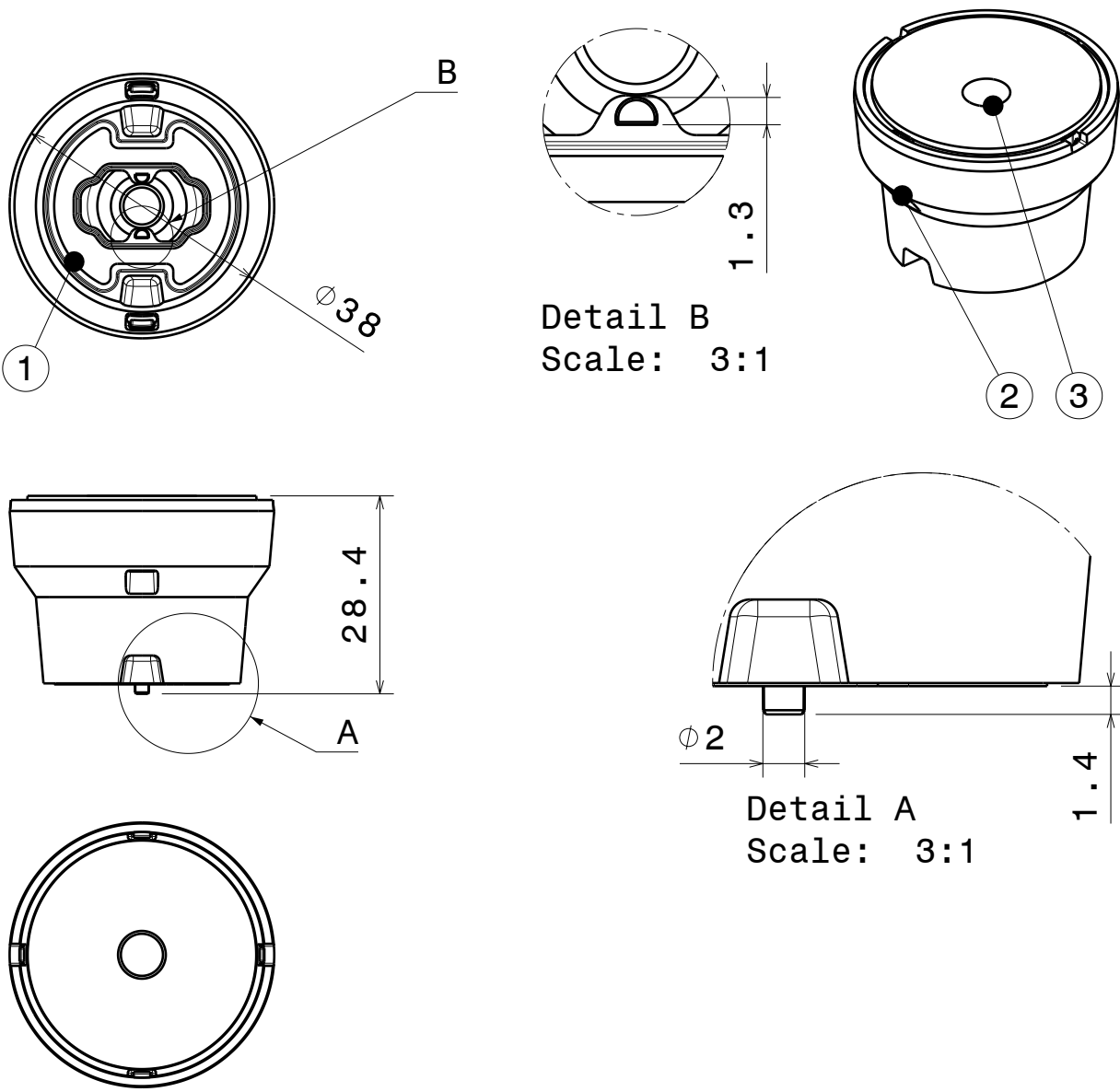
Relative intensity of FCA12077_IRIS_(XPH35_HI)



Relative intensity of FCA12077_IRIS_(XHP35_HD)



INDEX	PART NO	DESCRIPTION	MATERIAL
1	C10253	Sputnik-tape	PU 2-sided foam tape, adhesive
2	F12075	IRIS lens	PMMA
3	C12202	IRIS-XP-HLD holder	PC, black



Tolerances for dimensions:
0-20mm tolerance value ±0.1
21-45mm tolerance value ±0.2
46-90mm tolerance value ±0.3
91-100mm tolerance value ±0.4
101-mm tolerance value ±0.5

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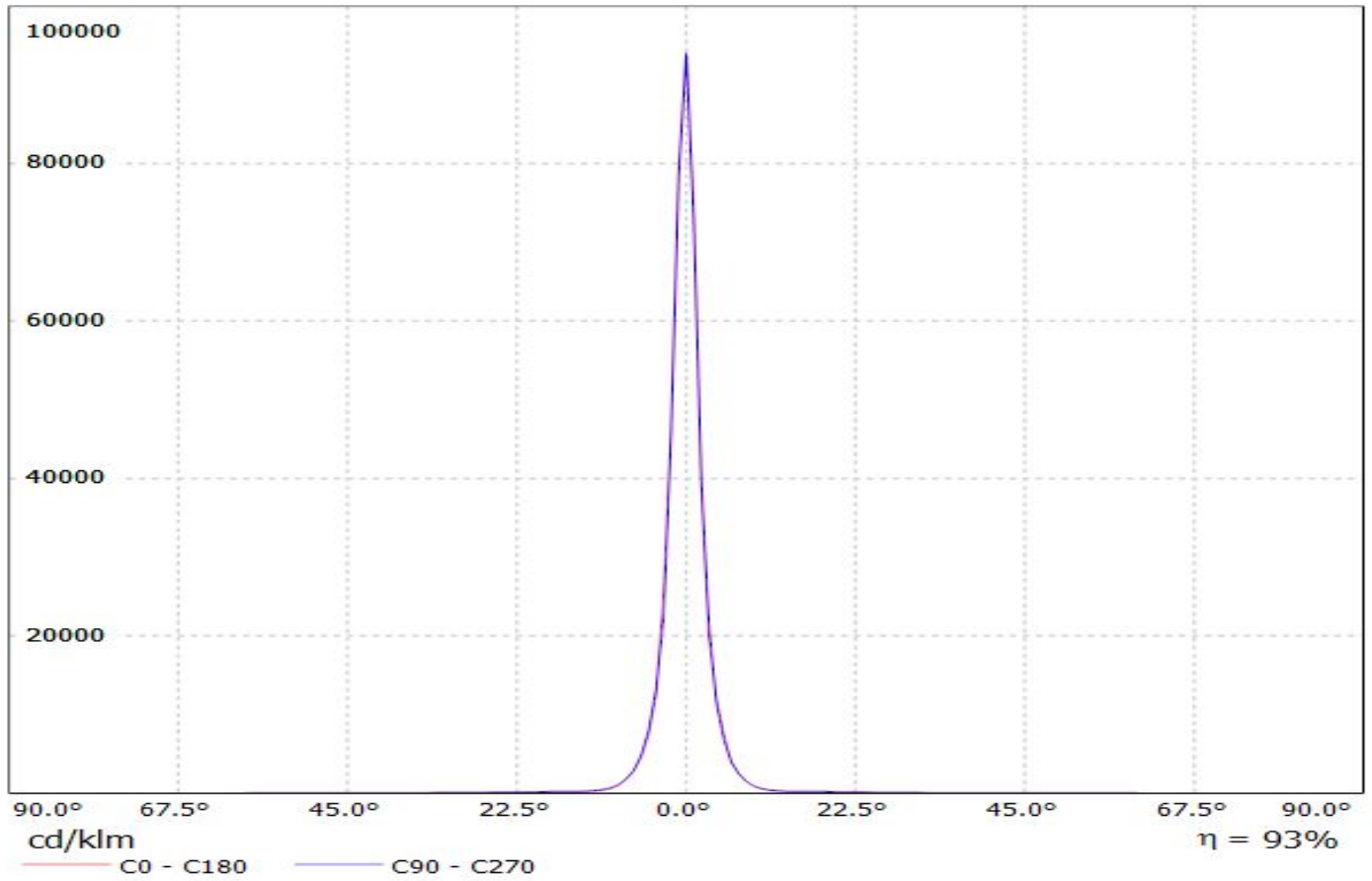
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

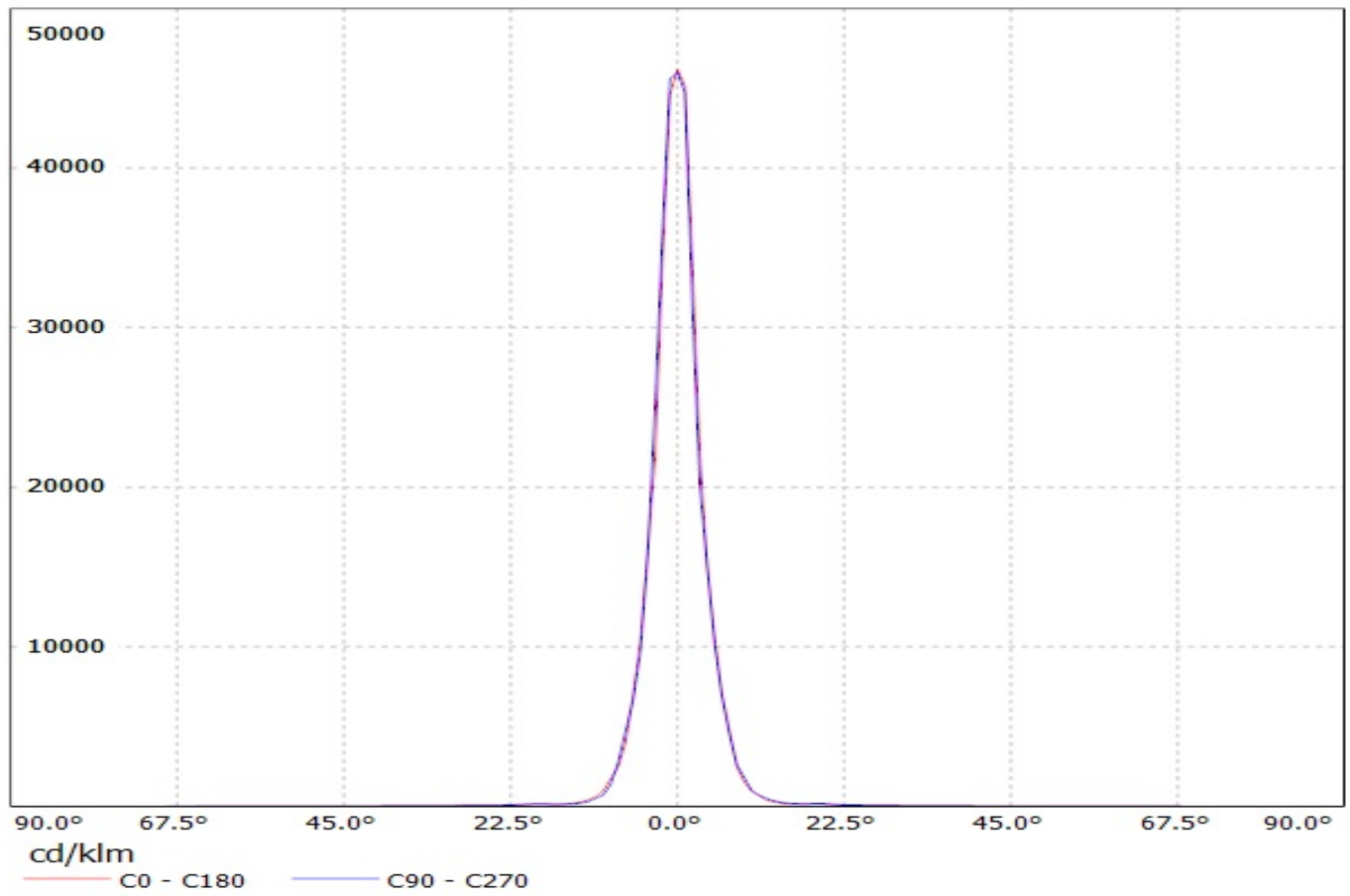
Datasheet IRIS

DRAWN BY OHa	DATE 25.5.2012	SIZE A4		DRAWING NUMBER FCA12077		REV 01
CHECKED BY SN	DATE -	SCALE 1:1		WEIGHT (g) 20		SHEET 1/1
DESIGNED BY pv	DATE 25.5.2012					

Luminaire: LEDiL Oy FCA12077_IRIS_(Z_ES)
Lamps: 1 x Philips_Lumileds_Luxeon_Z_ES_(LXZ2-5070)
_84.6528lm@250mA_P=0.730483W_I=249.9mA

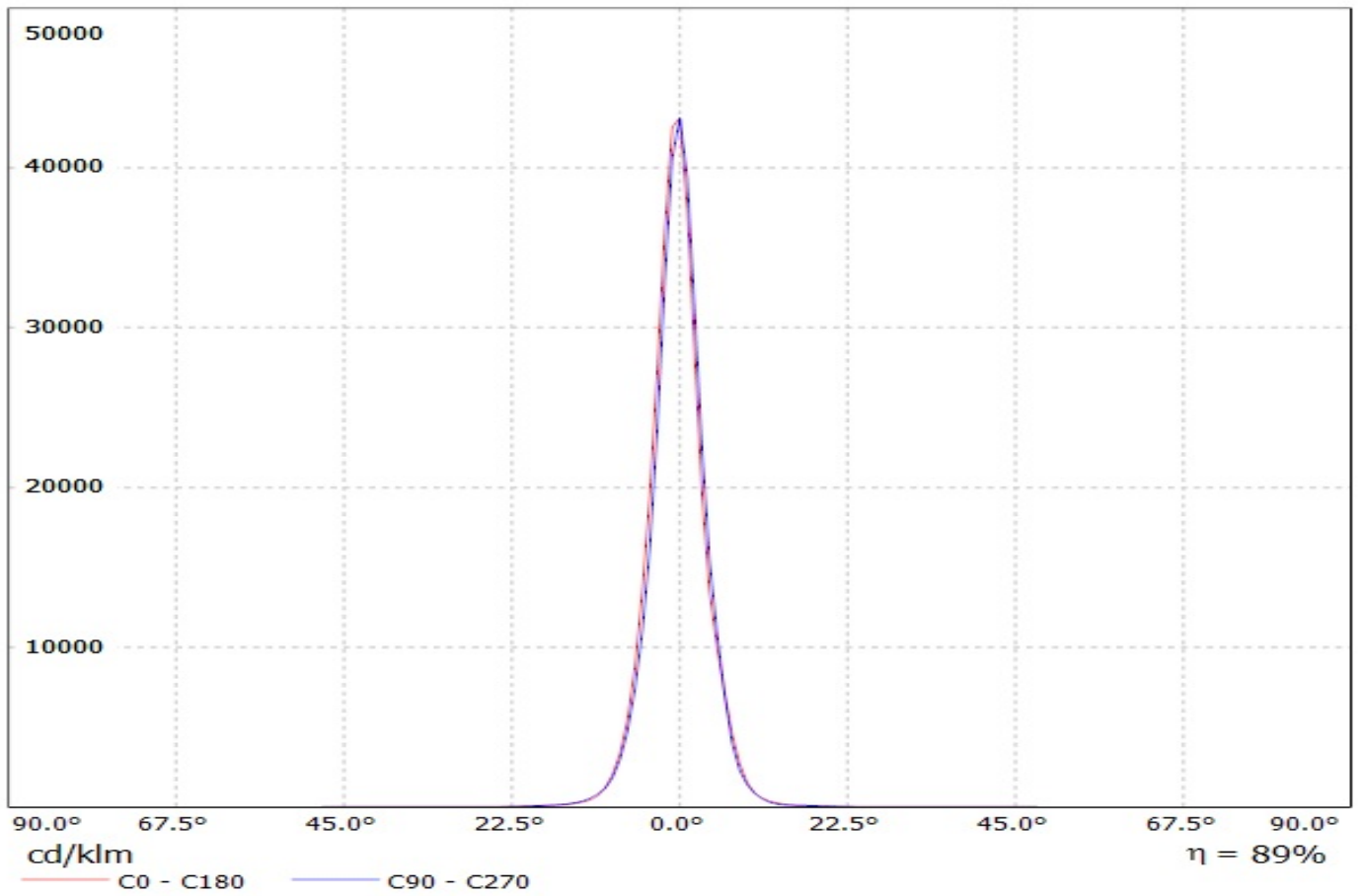


Valaisin: LEDIL OY FCA12077_IRIS_(XP-G2) Efficiency=95%
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



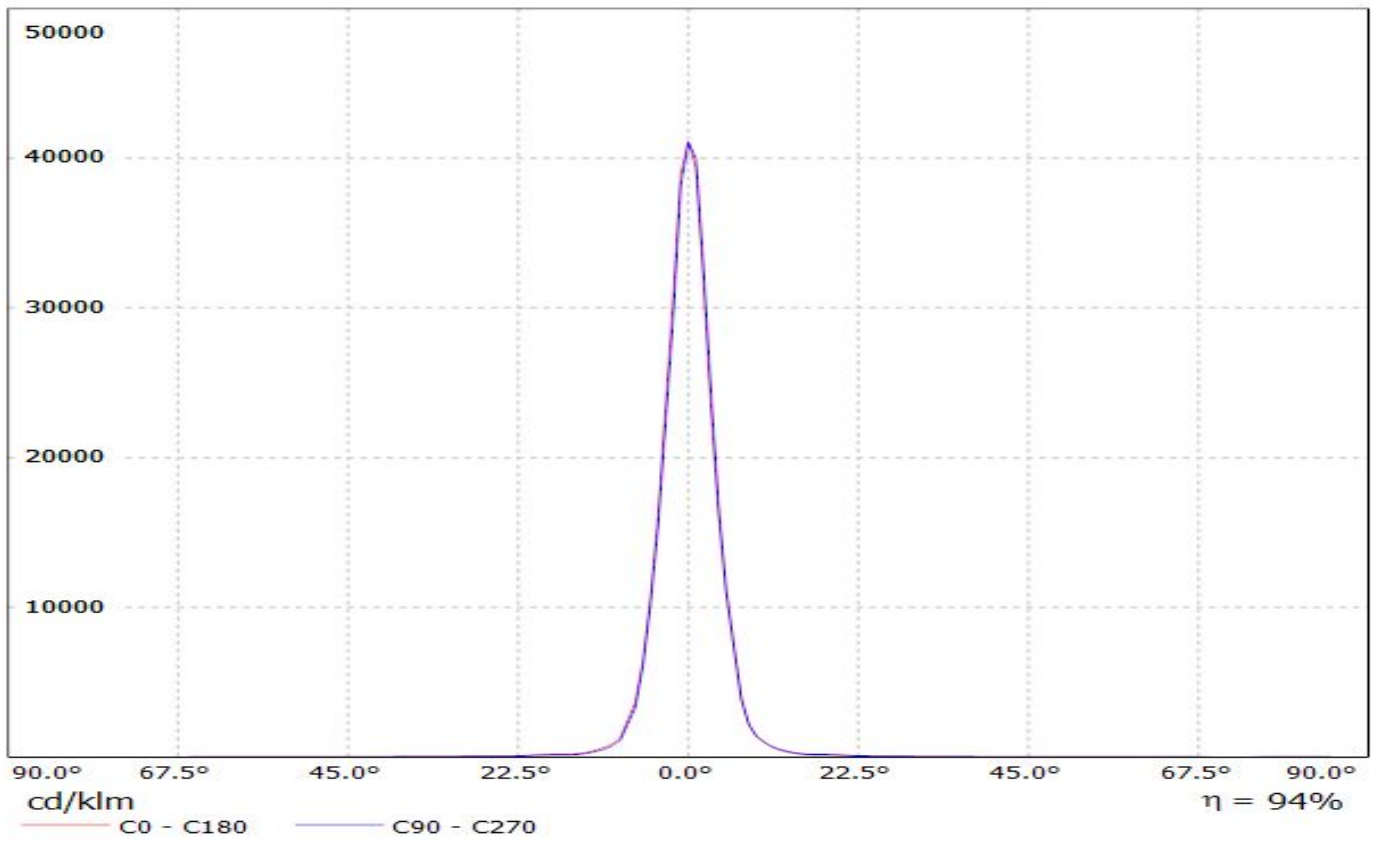
Luminaire: Ledil Oy FCA12077_IRIS_(Luxeon_TX)

Lamps: 1 x Philips Lumileds Luxeon TX (80.78lm @ 250mA) P=0.7W I=250mA



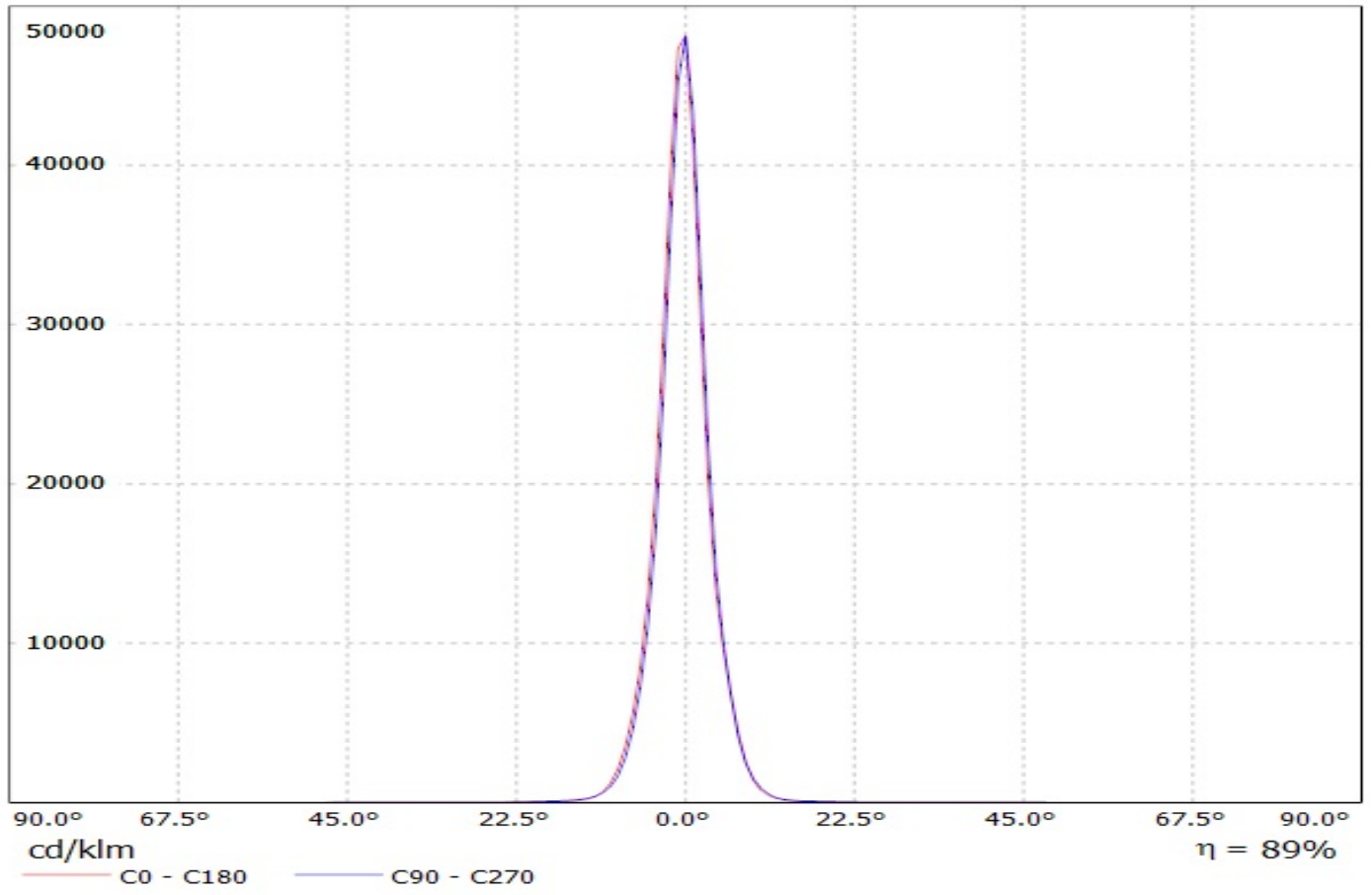
LEDiL Oy FCA12077_IRIS_(LUXEON_T)_1 Eff.94.6% / LDC (Linear)

Luminaire: LEDiL Oy FCA12077_IRIS_(LUXEON_T)_1 Eff.94.6%
Lamps: 1 x LUXEON T (74lm@250mA)

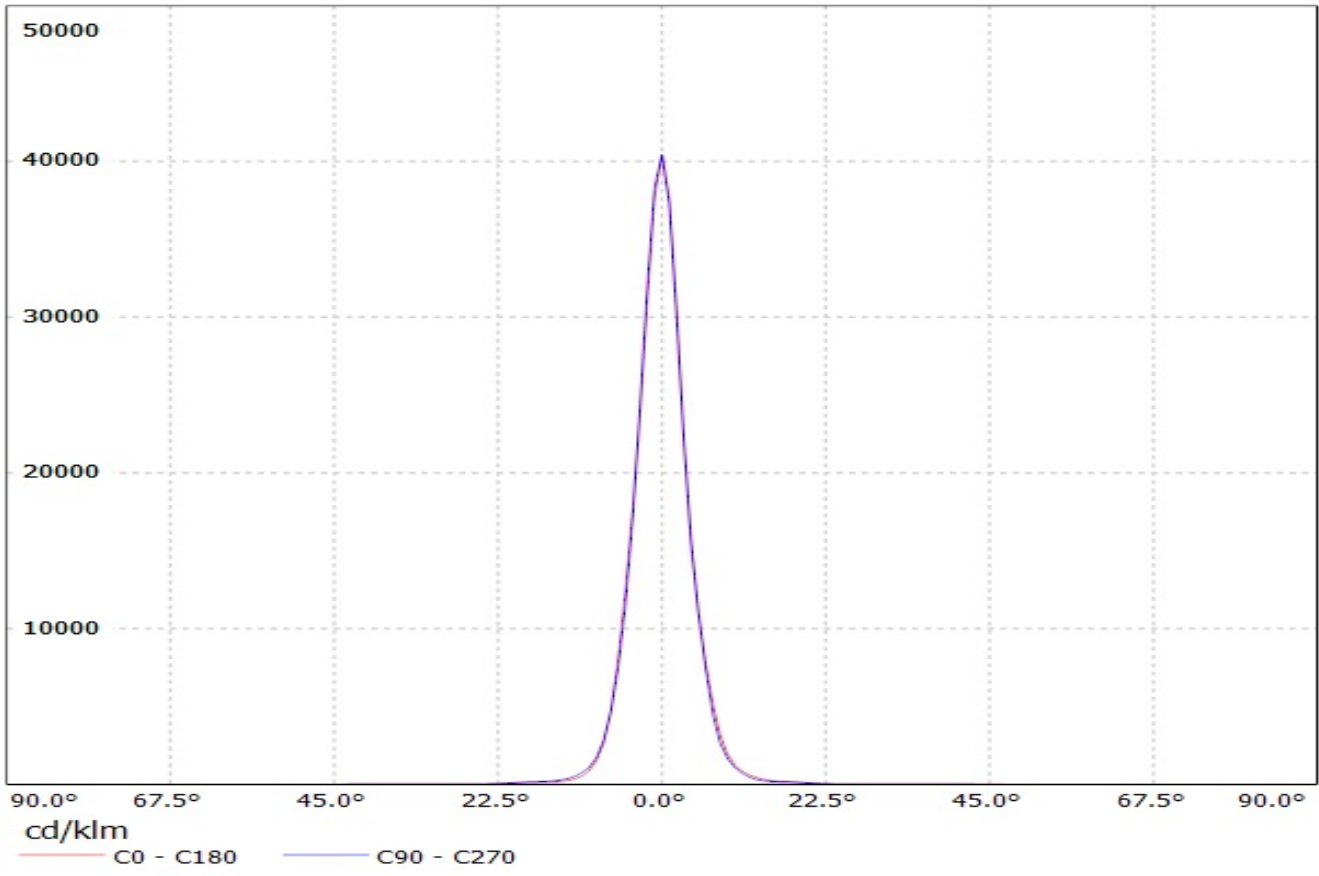


Luminaire: LEDil Oy FCA12077_IRIS_(LH351Z)

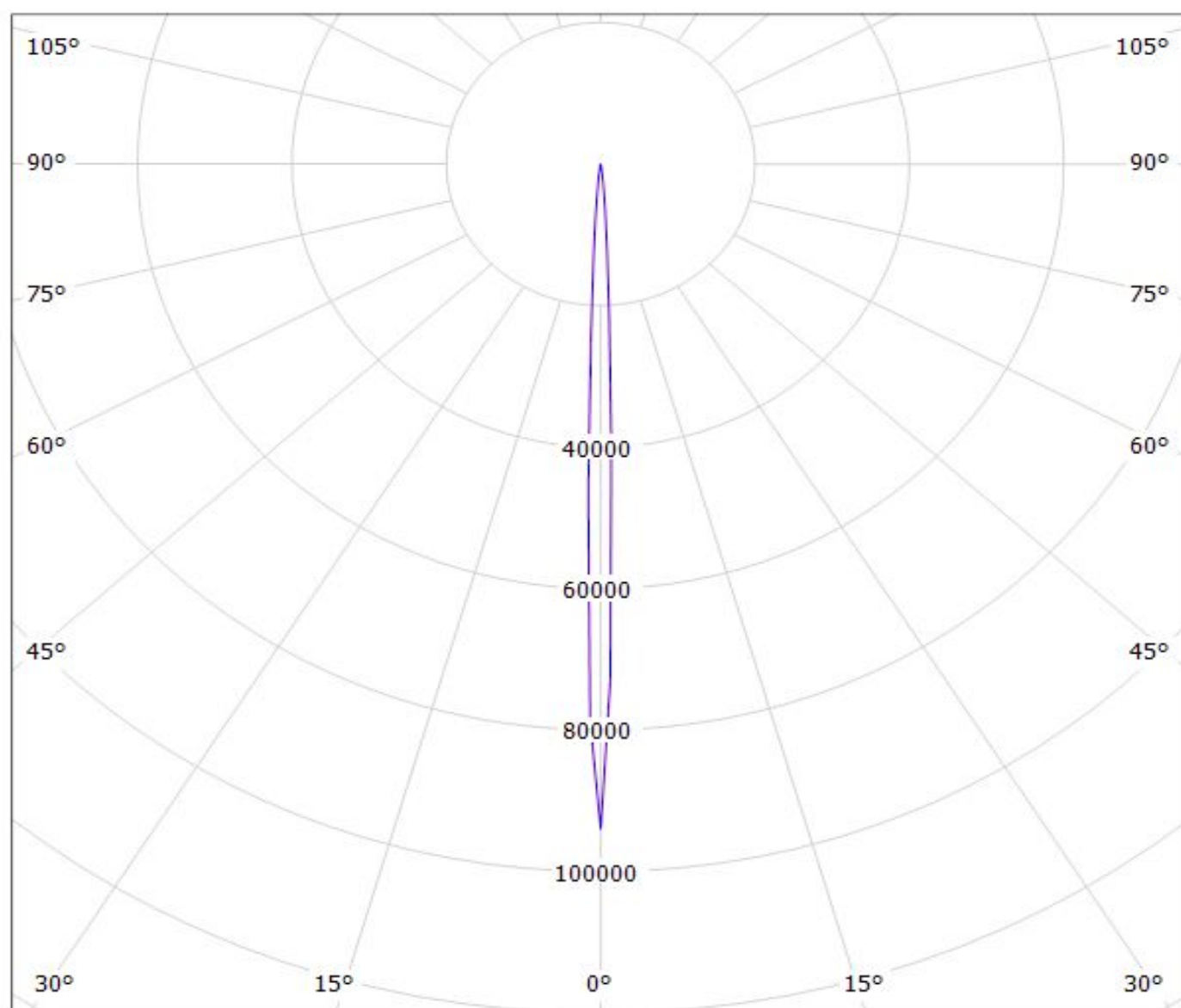
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil Oy FCA12077_IRIS_(3535_Ceramic_gen2) Efficiency=89%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700k) 116lm @ 250mA CCT=6200k P=0.7 I=250mA



Luminaire: LEDiL Oy FCA12077_IRIS_(Z_ES)
Lamps: 1 x Philips_Lumileds_Luxeon_Z_ES_(LXZ2-5070)
_84.6528lm@250mA_P=0.730483W_I=249.9mA



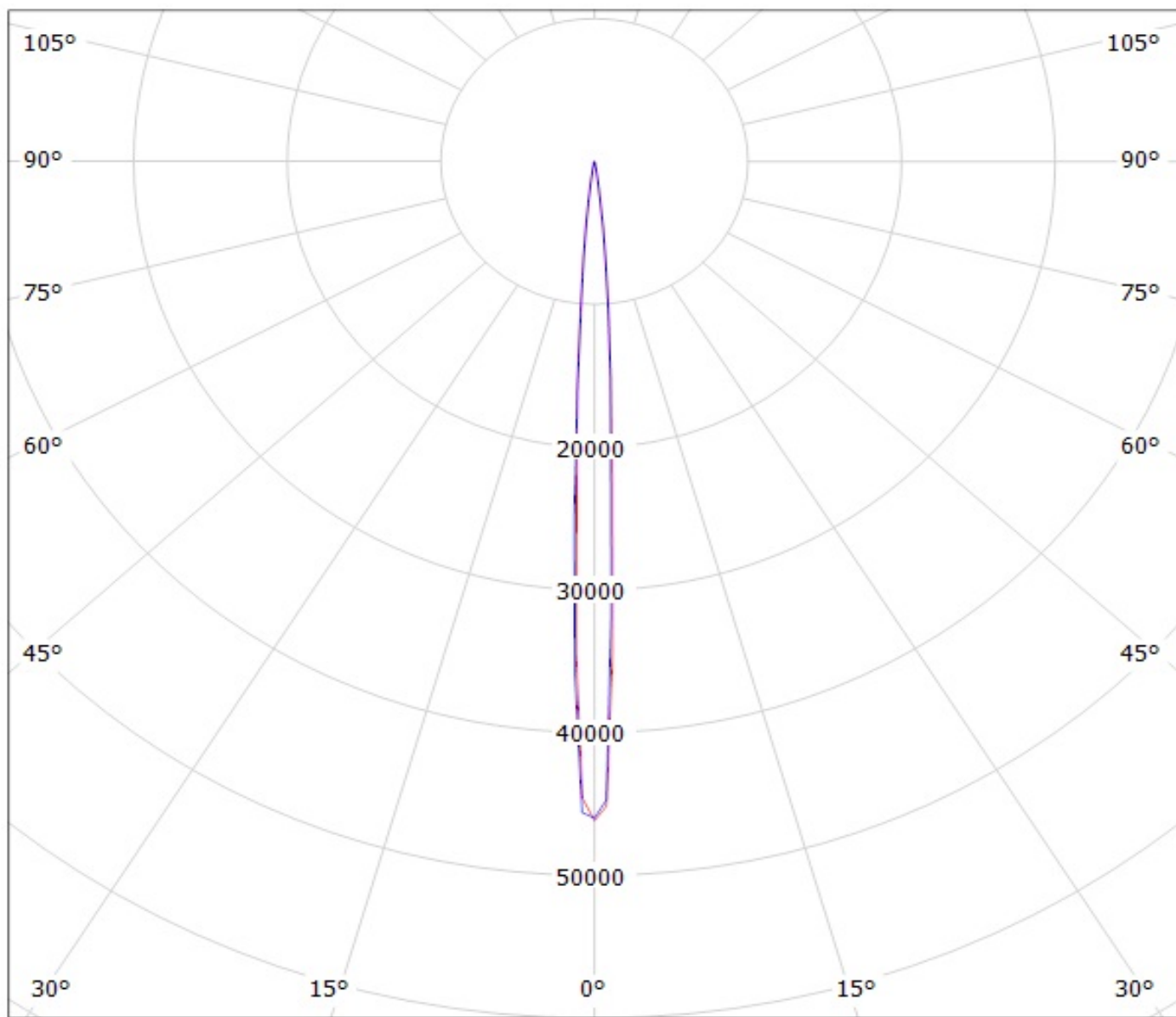
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Valaisin: LEDIL OY FCA12077_IRIS_(XP-G2) Efficiency=95%
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



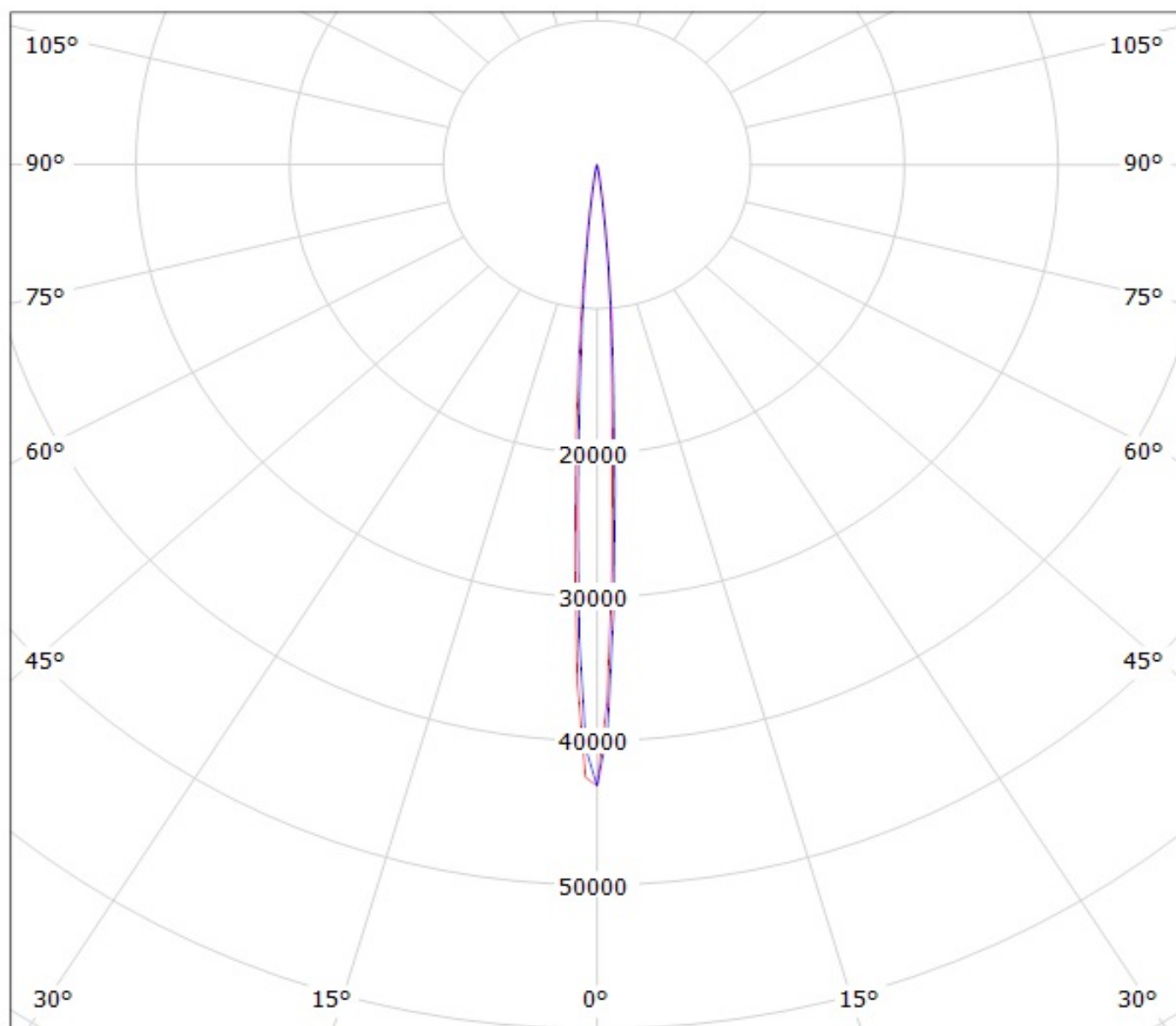
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy FCA12077_IRIS_(Luxeon_TX)

Lamps: 1 x Philips Lumileds Luxeon TX (80.78lm @ 250mA) P=0.7W I=250mA



cd/klm

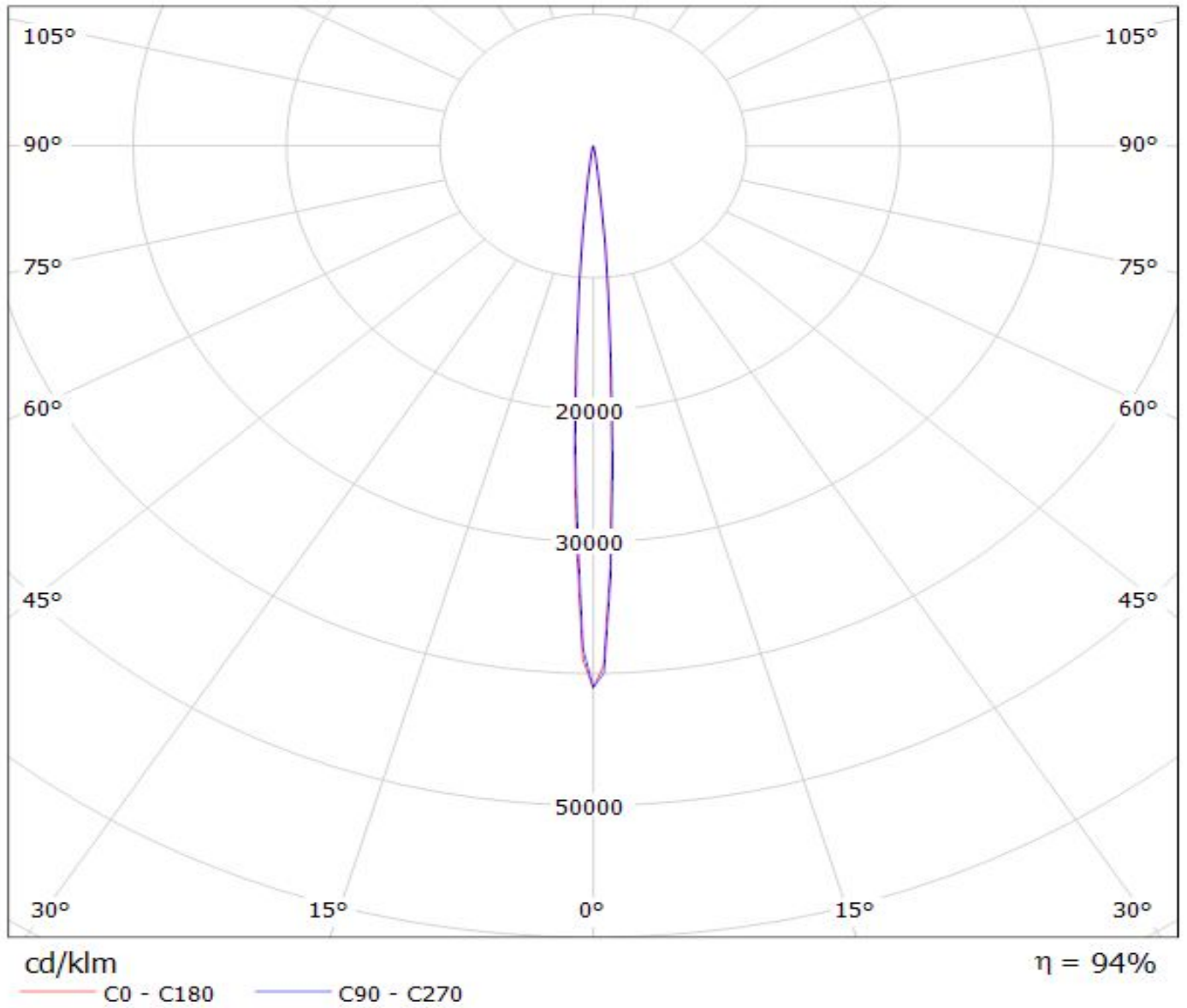
— C0 - C180

— C90 - C270

$\eta = 89\%$

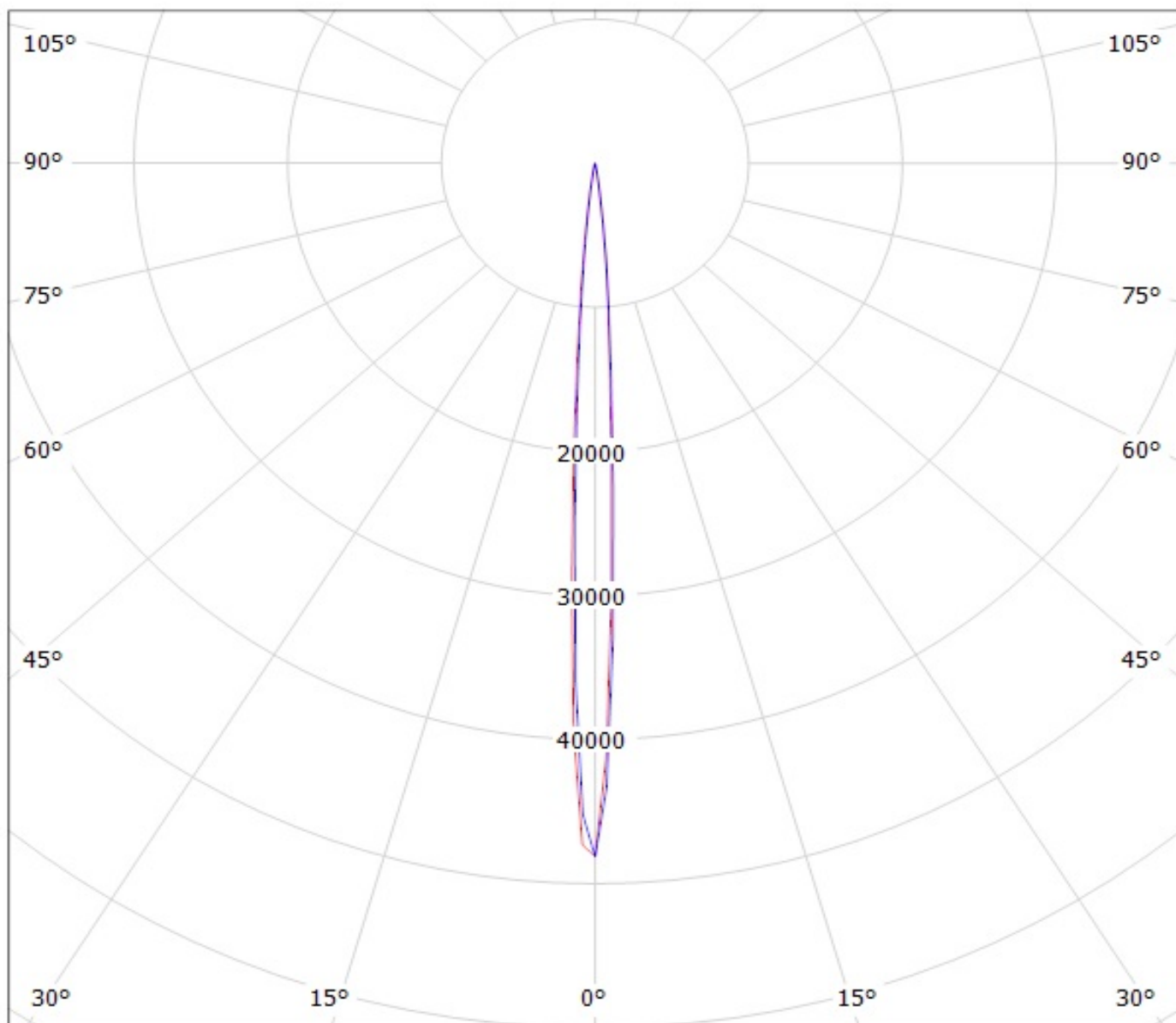
LEDiL Oy FCA12077_IRIS_(LUXEON_T)_1 Eff.94.6% / LDC (Polar)

Luminaire: LEDiL Oy FCA12077_IRIS_(LUXEON_T)_1 Eff.94.6%
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Luminaire: LEDil Oy FCA12077_IRIS_(LH351Z)

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



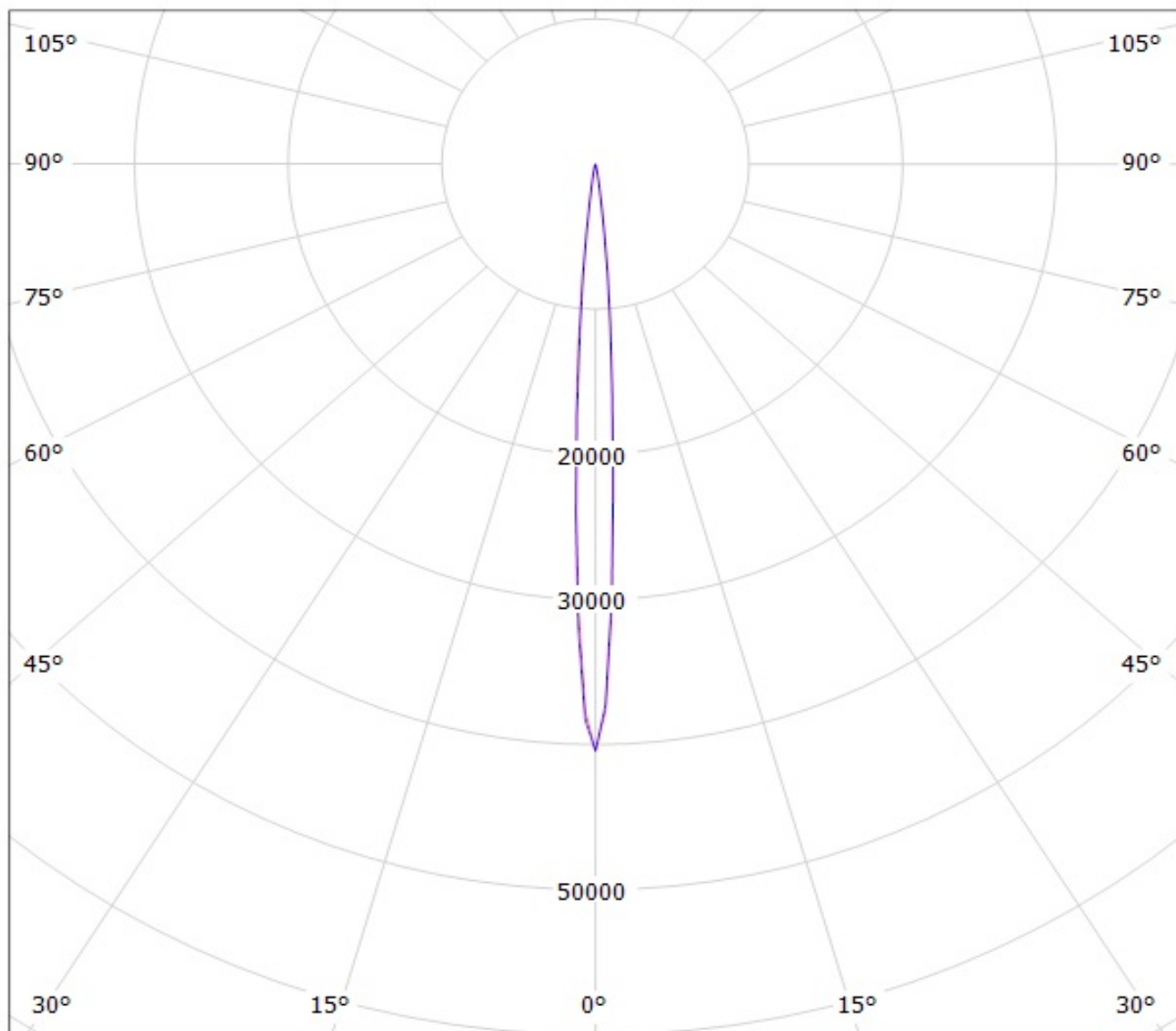
cd/klm

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Luminaire: Ledil Oy FCA12077_IRIS_(3535_Ceramic_gen2) Efficiency=89%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700k) 116lm @ 250mA CCT=6200k P=0.7 I=250mA



cd/klm

— C0 - C180

— C90 - C270

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.