

PRODUCT DATASHEET

Laura series

last update 7/7/2015

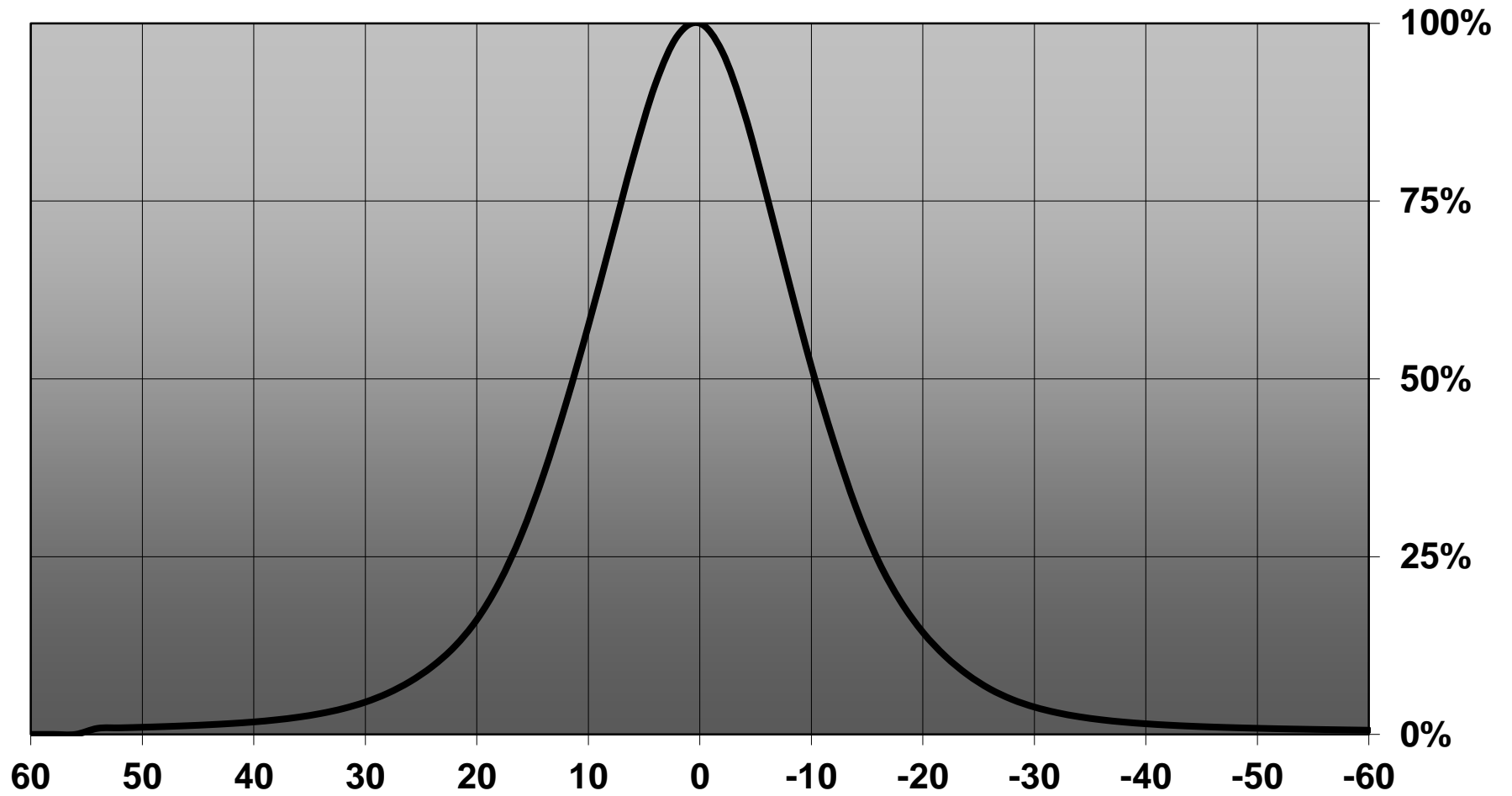
DETAILS

Product Number	CA11837_LAURA-M-PIN
Family	Laura
Type	Assembly
Color	white
Diameter	21.6 x 21.6 mm
Height	13.1 mm
Style	square
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Comliant	Yes
Date Updated	7/07/2015

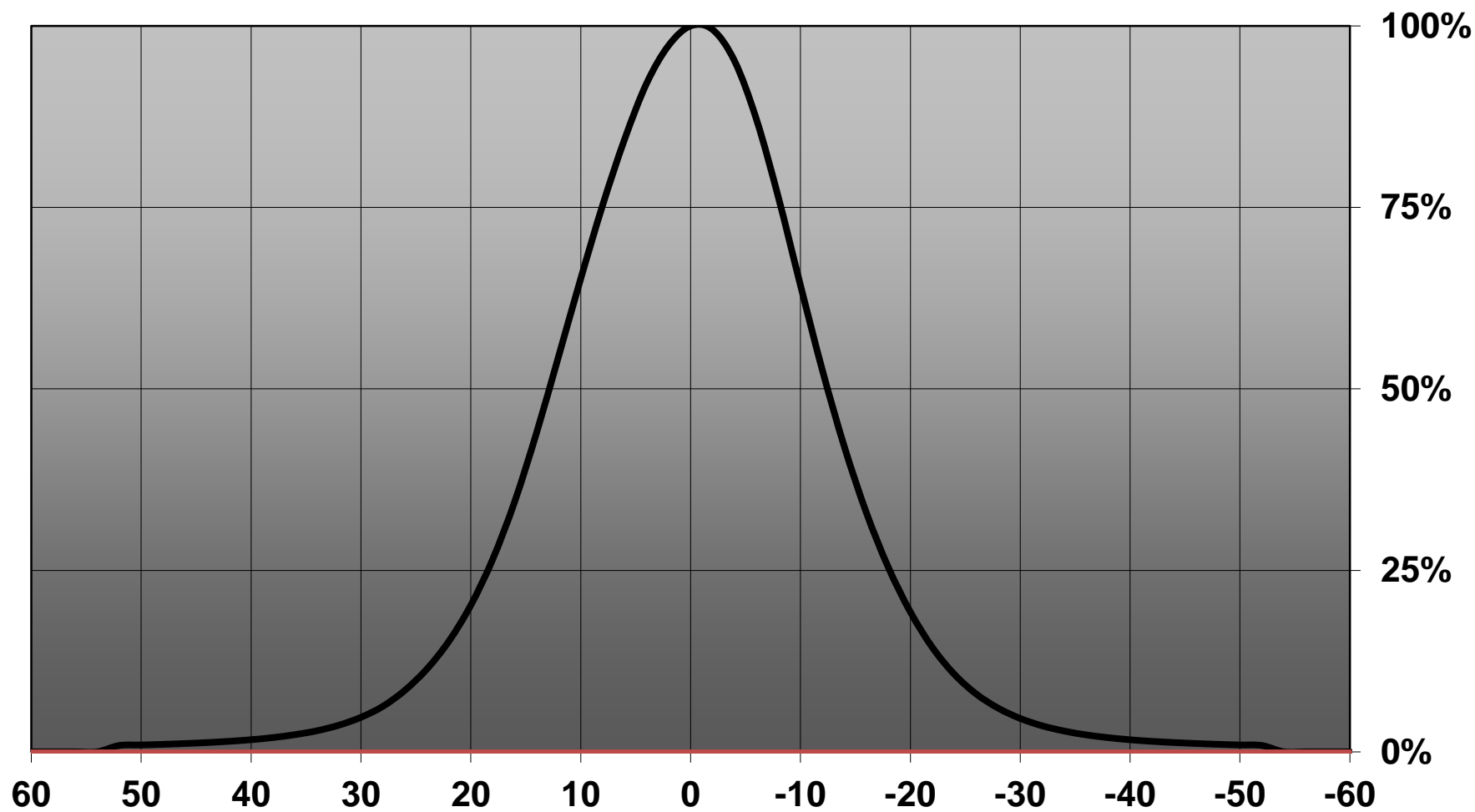
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Double Dome (GM2BB)	sim:	Medium	-	-	-
LUXEON H50-2	sim: 32.5	Medium	sim: 85 %	sim: 2.600	-
SFH 4715S (IR)	sim: 30	Medium	sim: 85 %	sim: 0.000	-
Oslo Square PC	sim: 29	Medium	83 %	3.140	-
SFH4725s (IR)	22 deg	Medium	-	sim: 0.000	-
NF2x757D	25 deg	Medium	88 %	3.700	-
Oslo SSL 150	26 deg	Medium	87 %	2.720	-
LUXEON Z ES	26 deg	Medium	92 %	3.600	-
XP-E-HEW	27 deg	Medium	85 %	2.600	-
LUXEON Rebel	27 deg	Medium	88 %	2.900	-
Oslo Square EC	27 deg	Medium	86 %	2.420	-
XP-E2	28 deg	Medium	88 %	2.980	-
XB-D	28 deg	Medium	92 %	2.470	-
NCSxx19B	28 deg	Medium	86 %	2.900	-
Z5	29 deg	Medium	-	-	-
LUXEON T	30 deg	Medium	89 %	2.400	-
XP-E	30 deg	Medium	92 %	2.600	-
XP-G	30 deg	Medium	93 %	2.500	-
Oslo SSL 80	30 deg	Medium	88 %	2.430	-

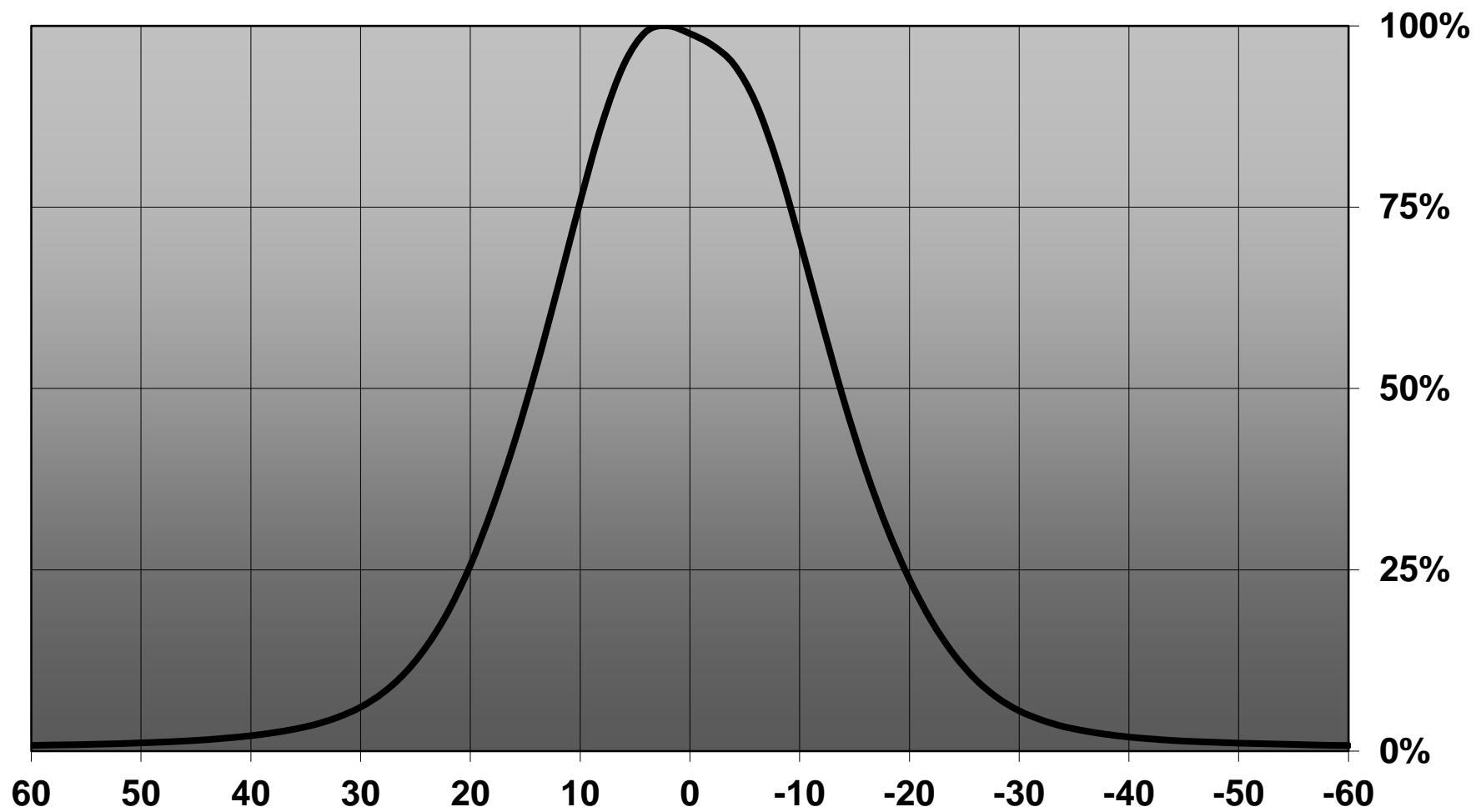
Relative intensity of CA11837_LAURA-M-PIN_(SFH4725S)



Relative intensity of CA11837_LAURA-M-PIN_(Luxeon Z ES)

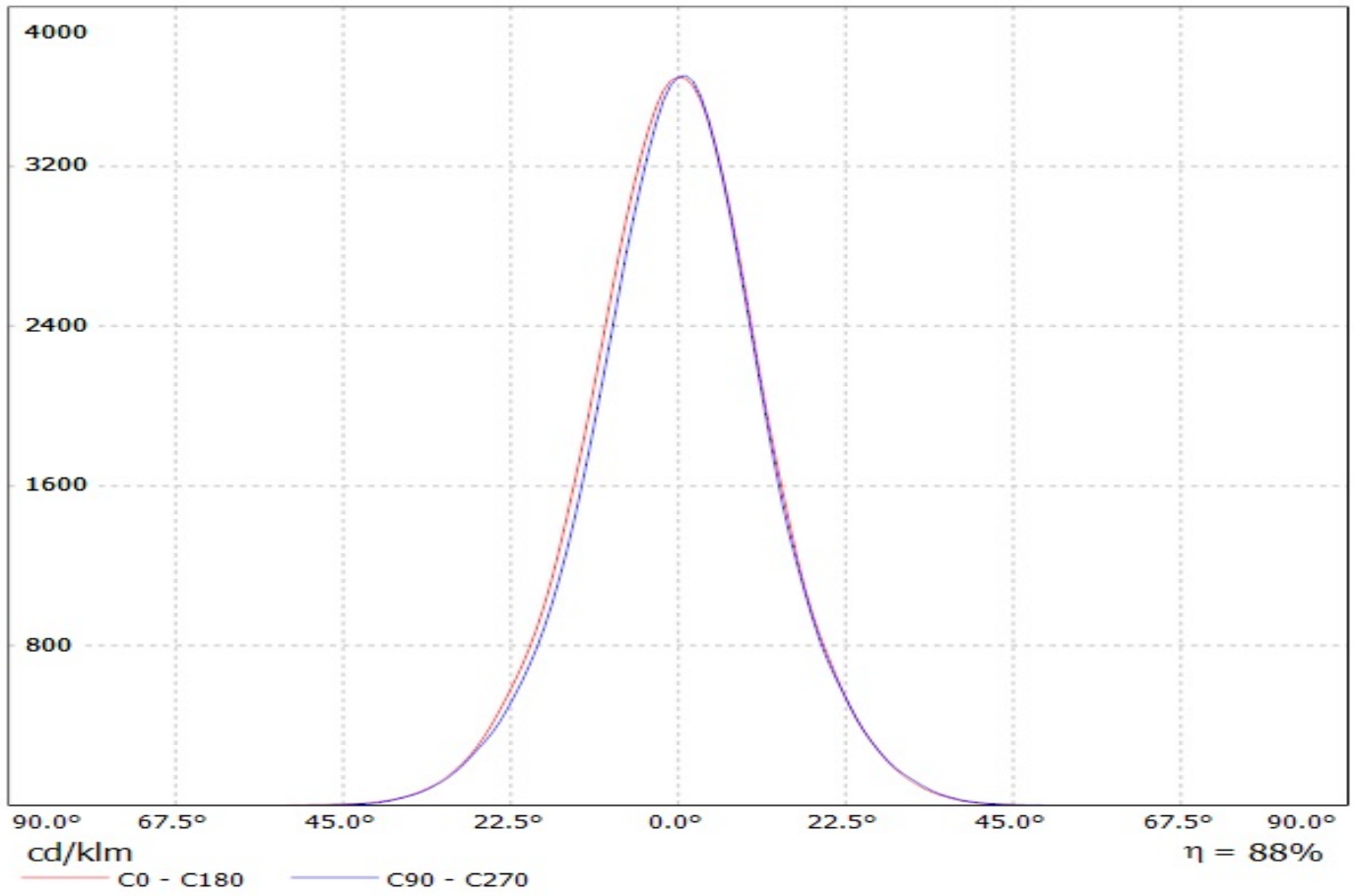


Relative intensity of CA11837_LAURA-M-PIN_(XP-E2)

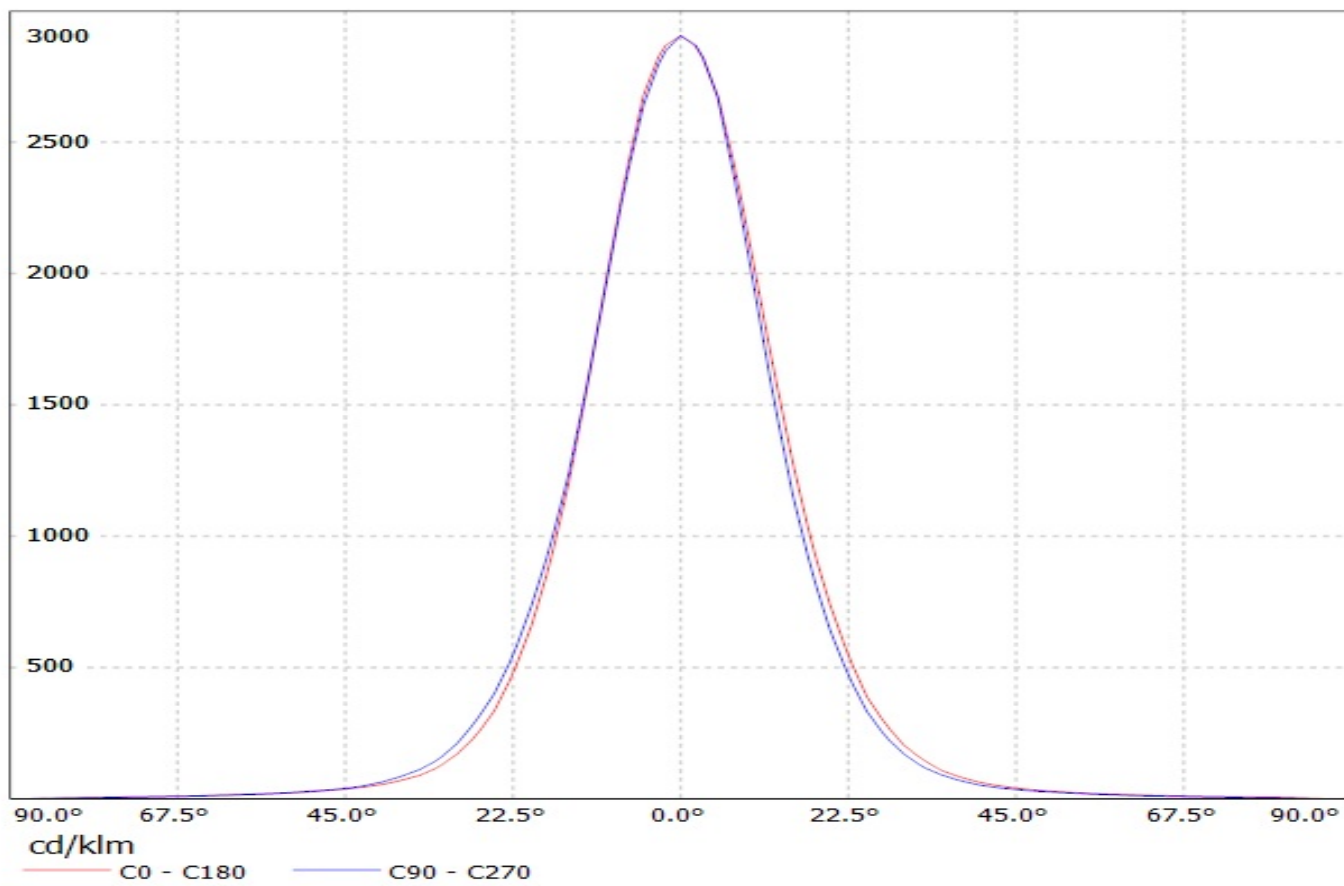


Luminaire: LEDil Oy CA11837_LAURA-M-PIN_(NF2x757D)

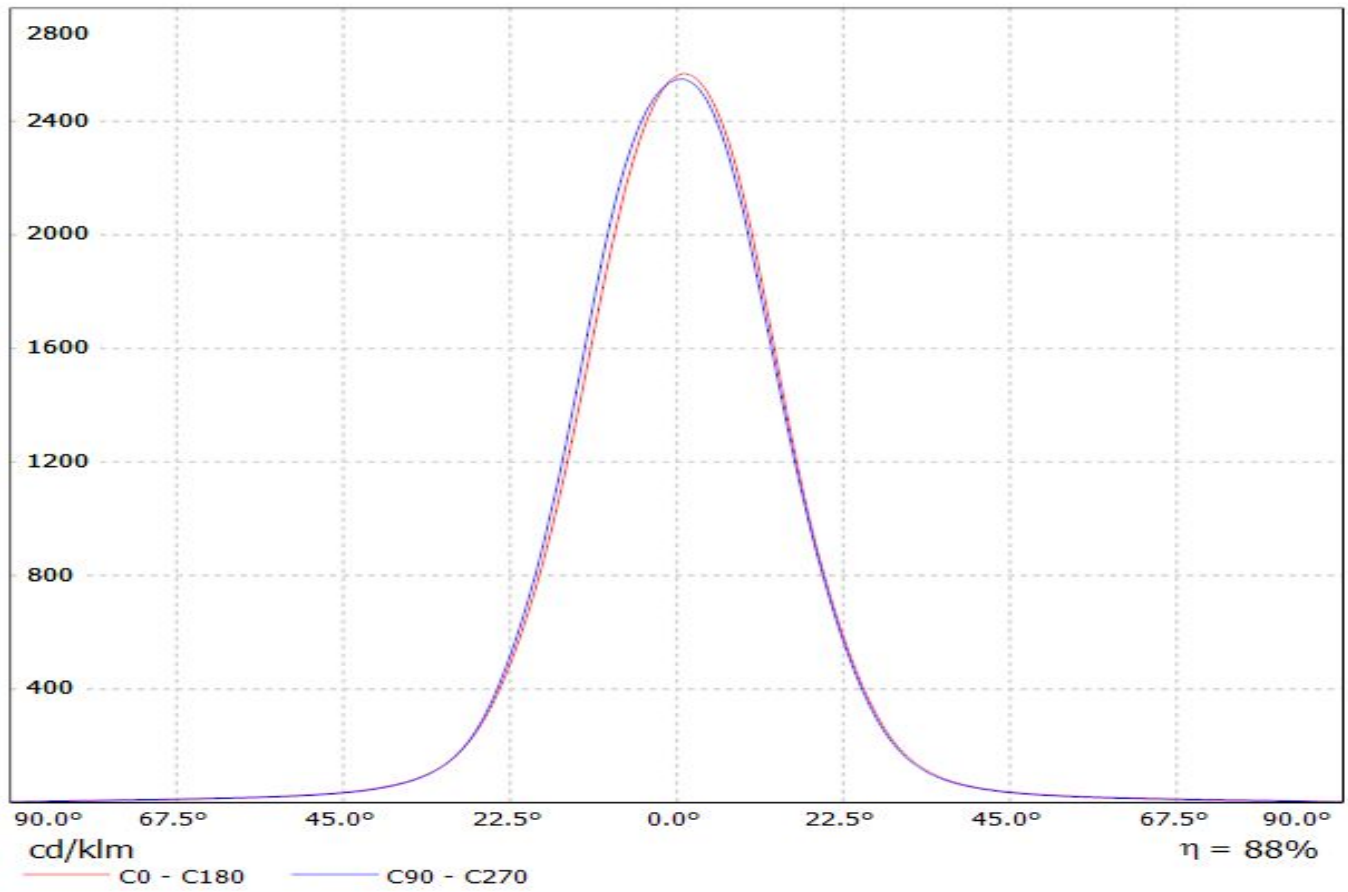
Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.43lm @ 65mA CCT=4987K P=0.4W I=65mA



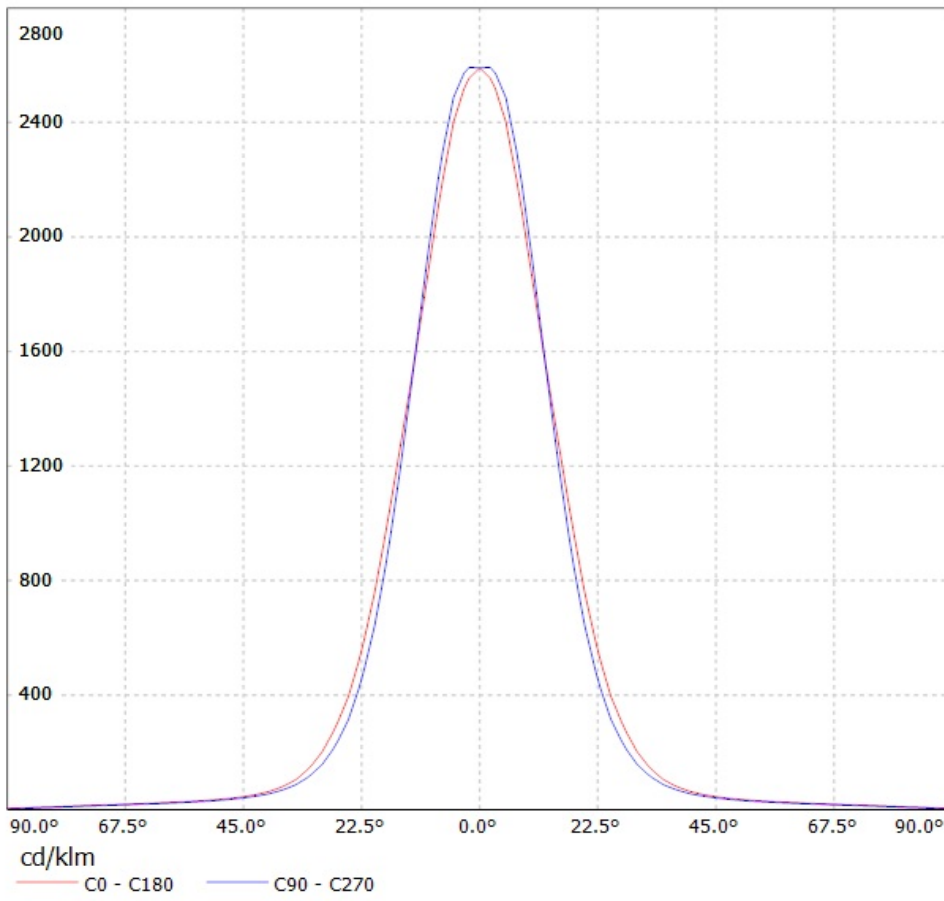
Luminaire: LEDil Oy CA11837_LAURA-M-PIN_(NCSxx19B) Efficiency=86%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



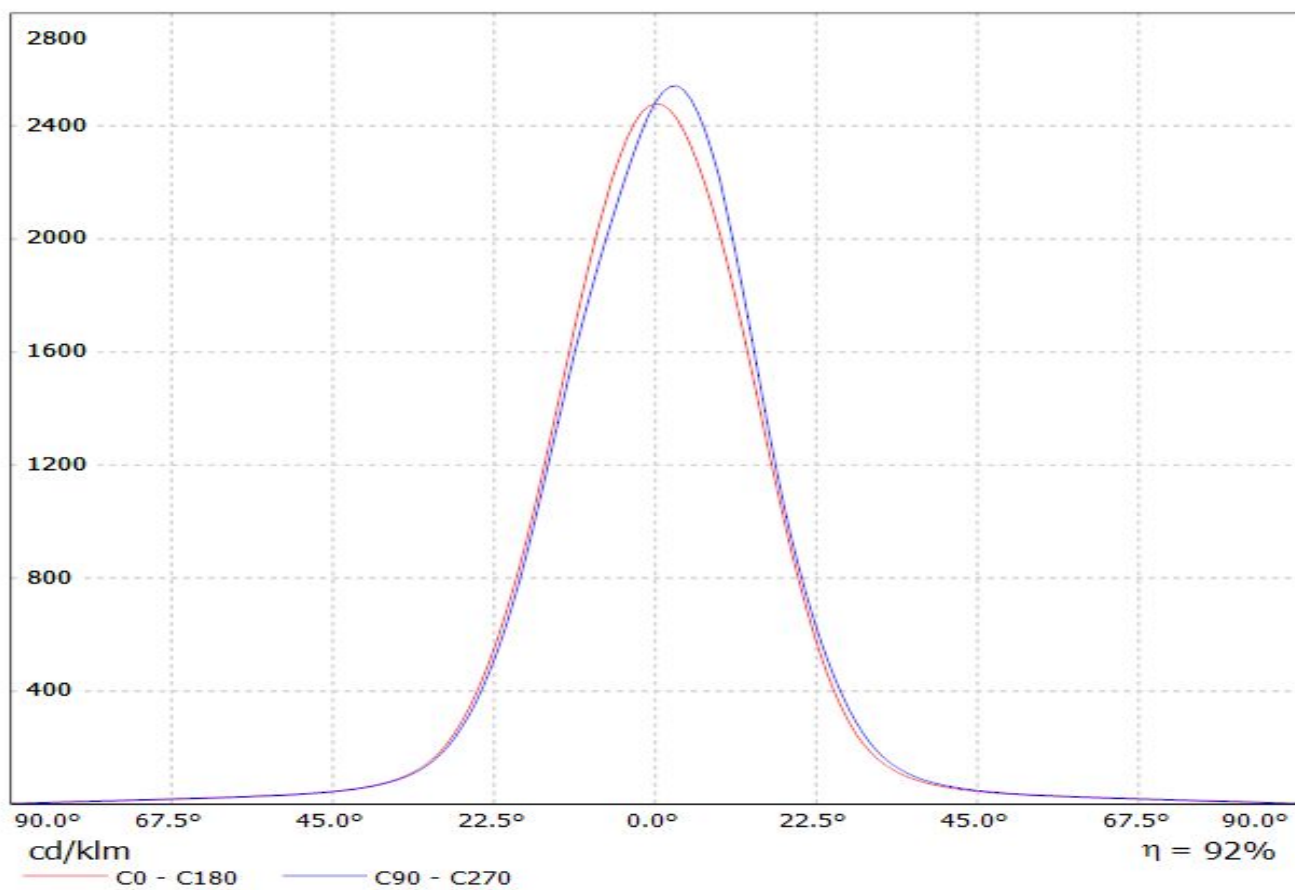
Luminaire: LEDiL Oy CA11837_LAURA-M-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (69lm@250mA)



Luminaire: LEDIL OY CA11837_LAURA-M-PIN_(XP-E) Eff.91.8%
Lamps: 1 x XP-E (71.21lm@250mA)

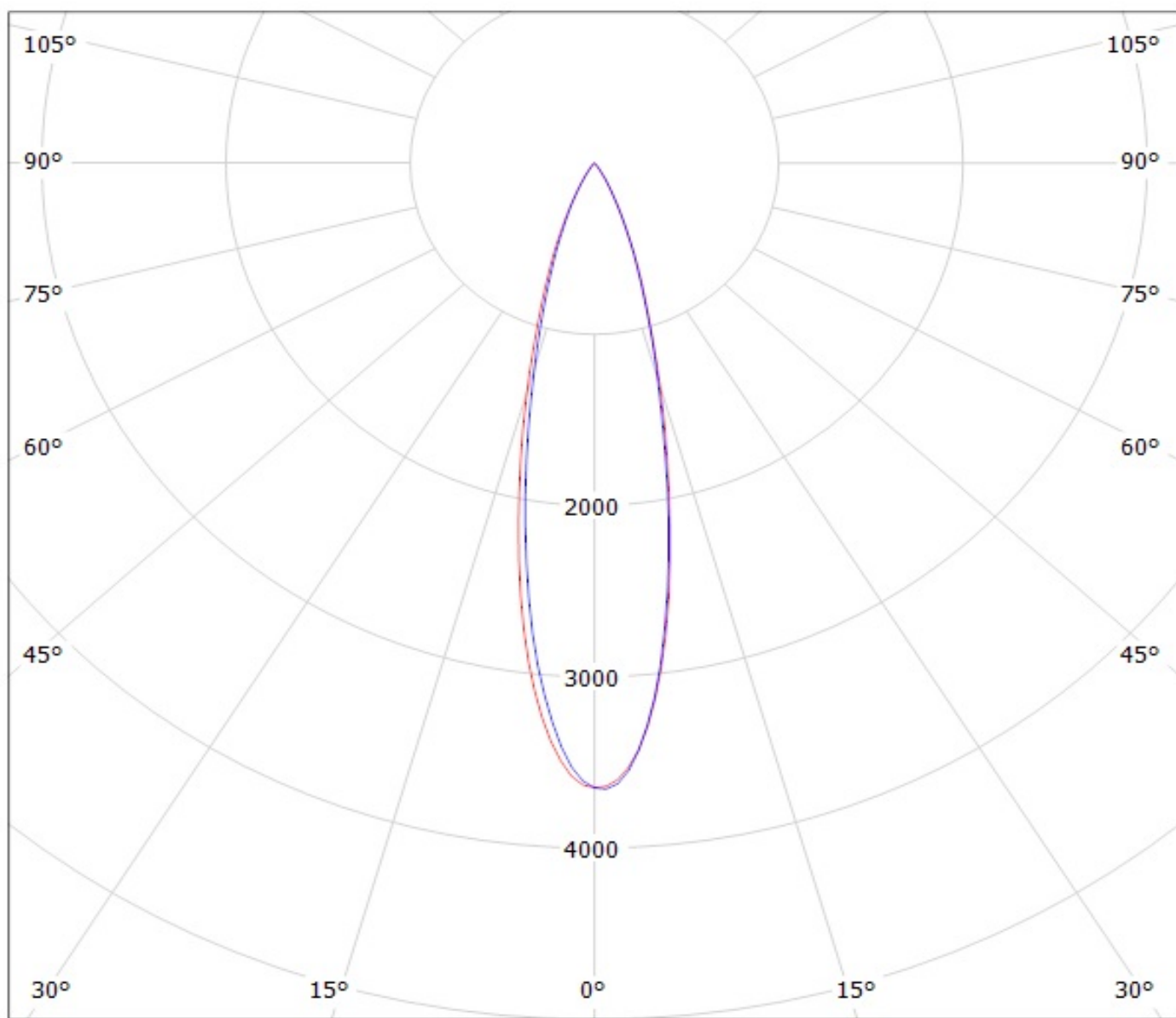


Luminaire: LEDIL OY CA11837_LAURA-M-PIN_(XP-G) Eff.93%
Lamps: 1 x Cree XP-G (66.49lm@250mA)



Luminaire: LEDil Oy CA11837_LAURA-M-PIN_(NF2x757D)

Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.43lm @ 65mA CCT=4987K P=0.4W I=65mA



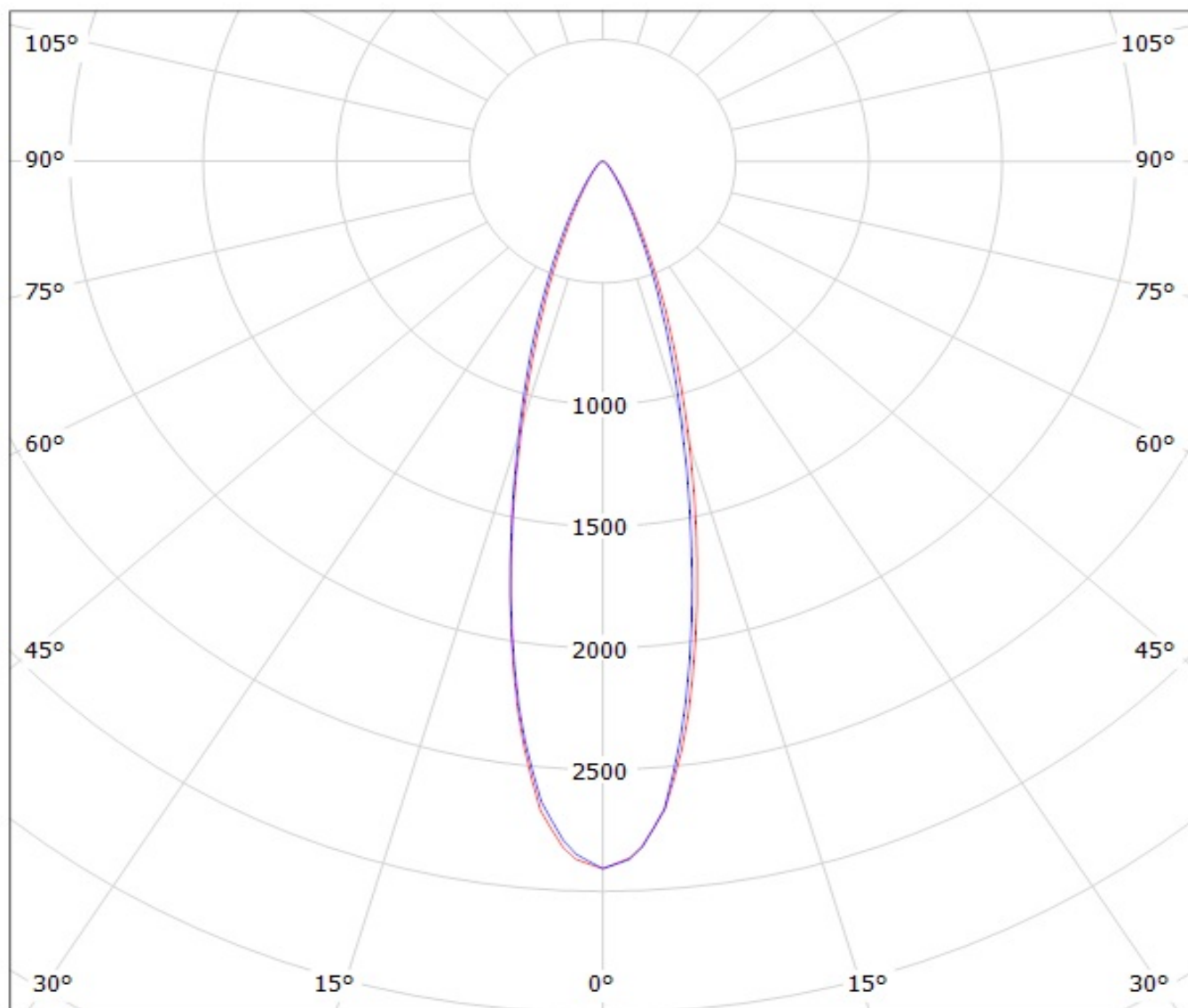
cd/klm

$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA11837_LAURA-M-PIN_(NCSxx19B) Efficiency=86%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA

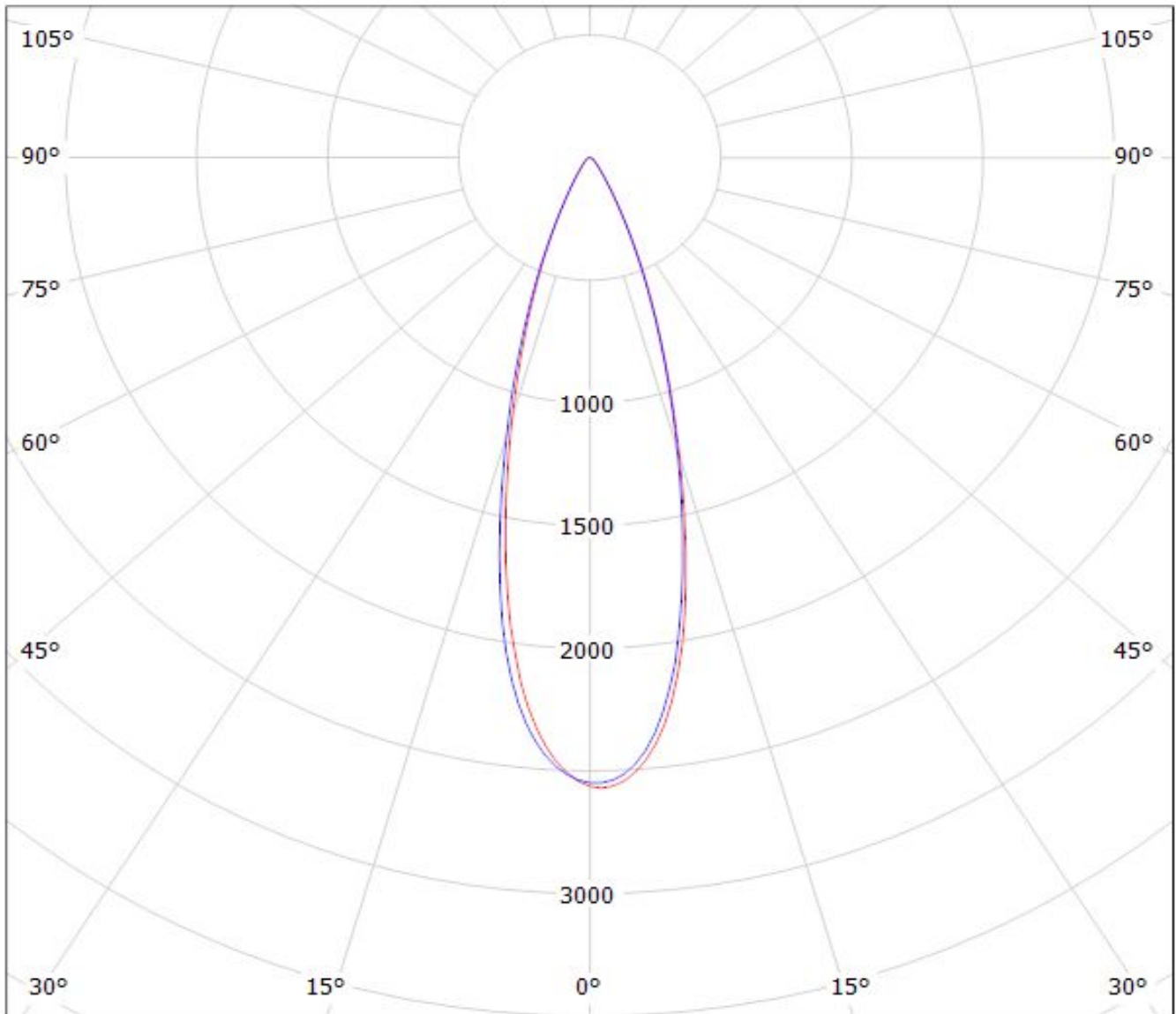


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA11837_LAURA-M-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (69lm@250mA)

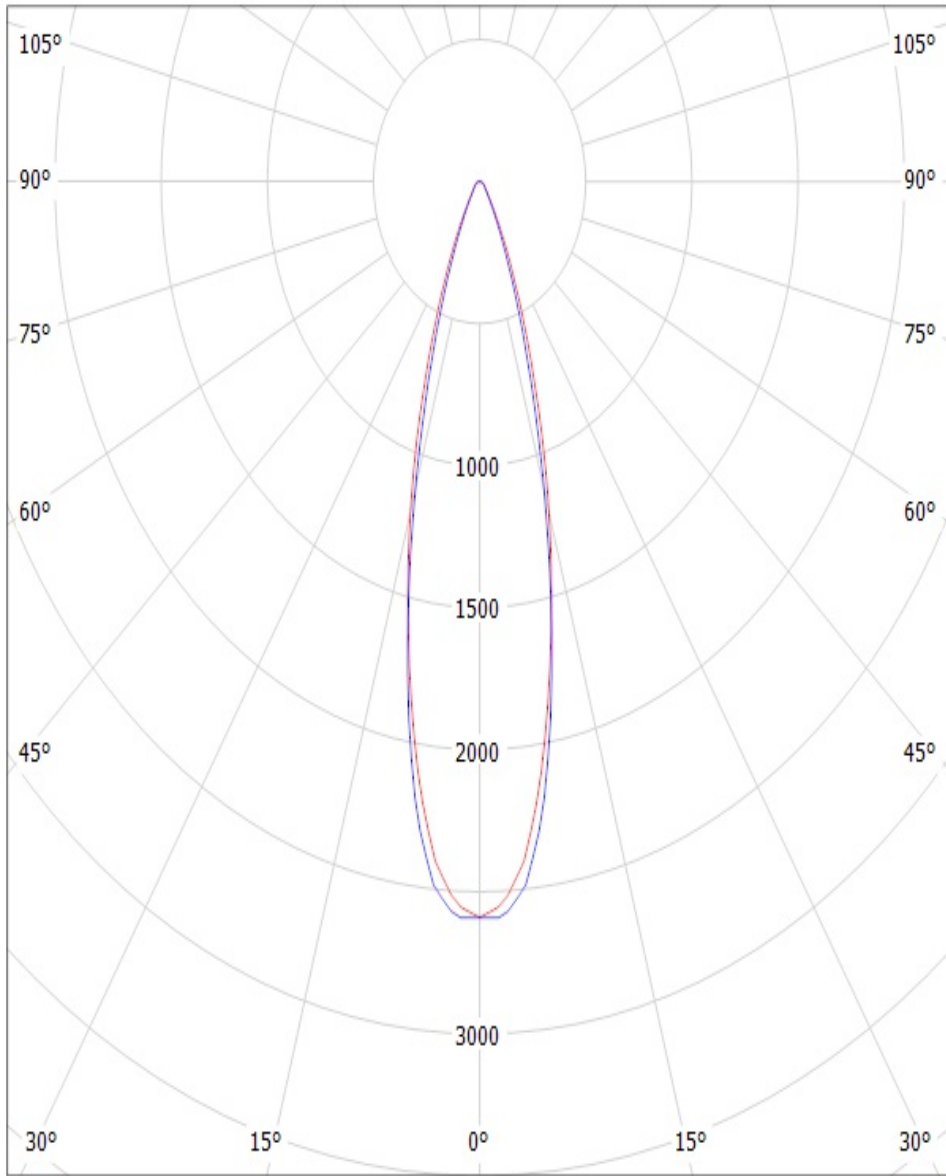


cd/klm

$\eta = 88\%$

— C0 - C180 — C90 - C270

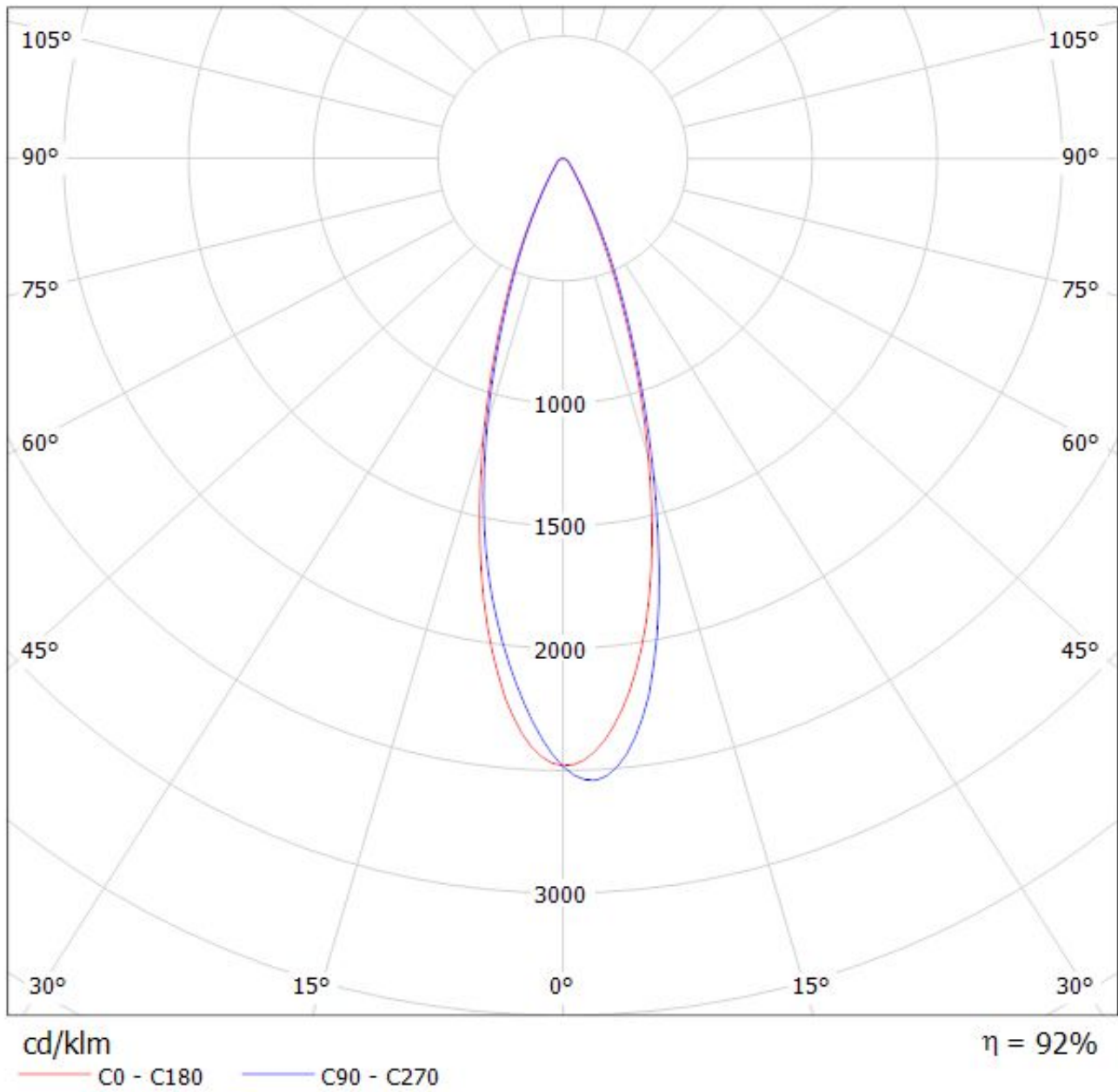
Luminaire: LEDIL OY CA11837_LAURA-M-PIN_(XP-E) Eff.91.8%
Lamps: 1 x XP-E (71.21lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDIL OY CA11837_LAURA-M-PIN_(XP-G) Eff.93%
Lamps: 1 x Cree XP-G (66.49lm@250mA)



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.