

DETAILS

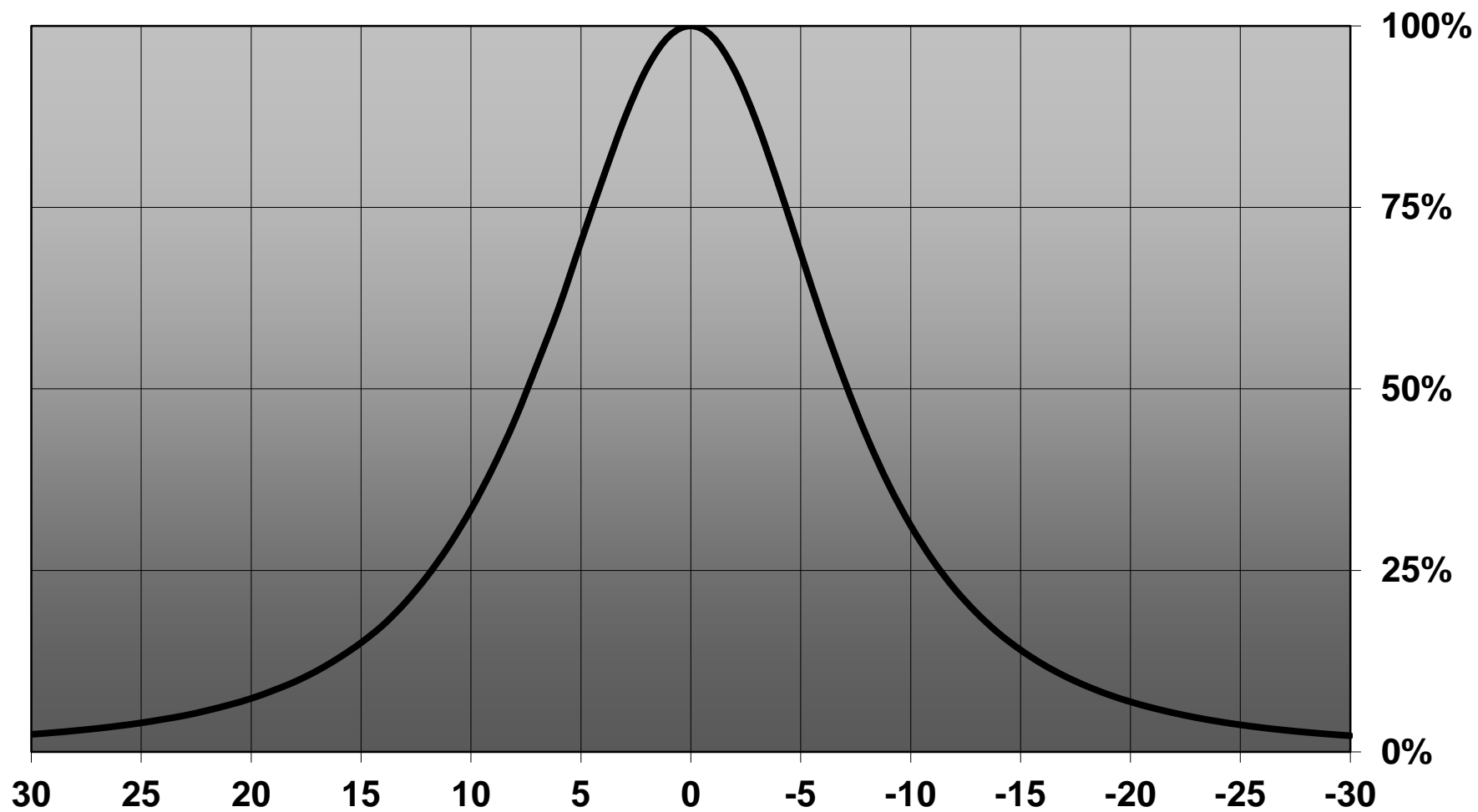
Product Number	CA11960_LAURA-D-PIN
Family	Laura
Type	Assembly
Color	white
Diameter	21,6 x 21,6 mm
Height	13,1 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	27/08/2013



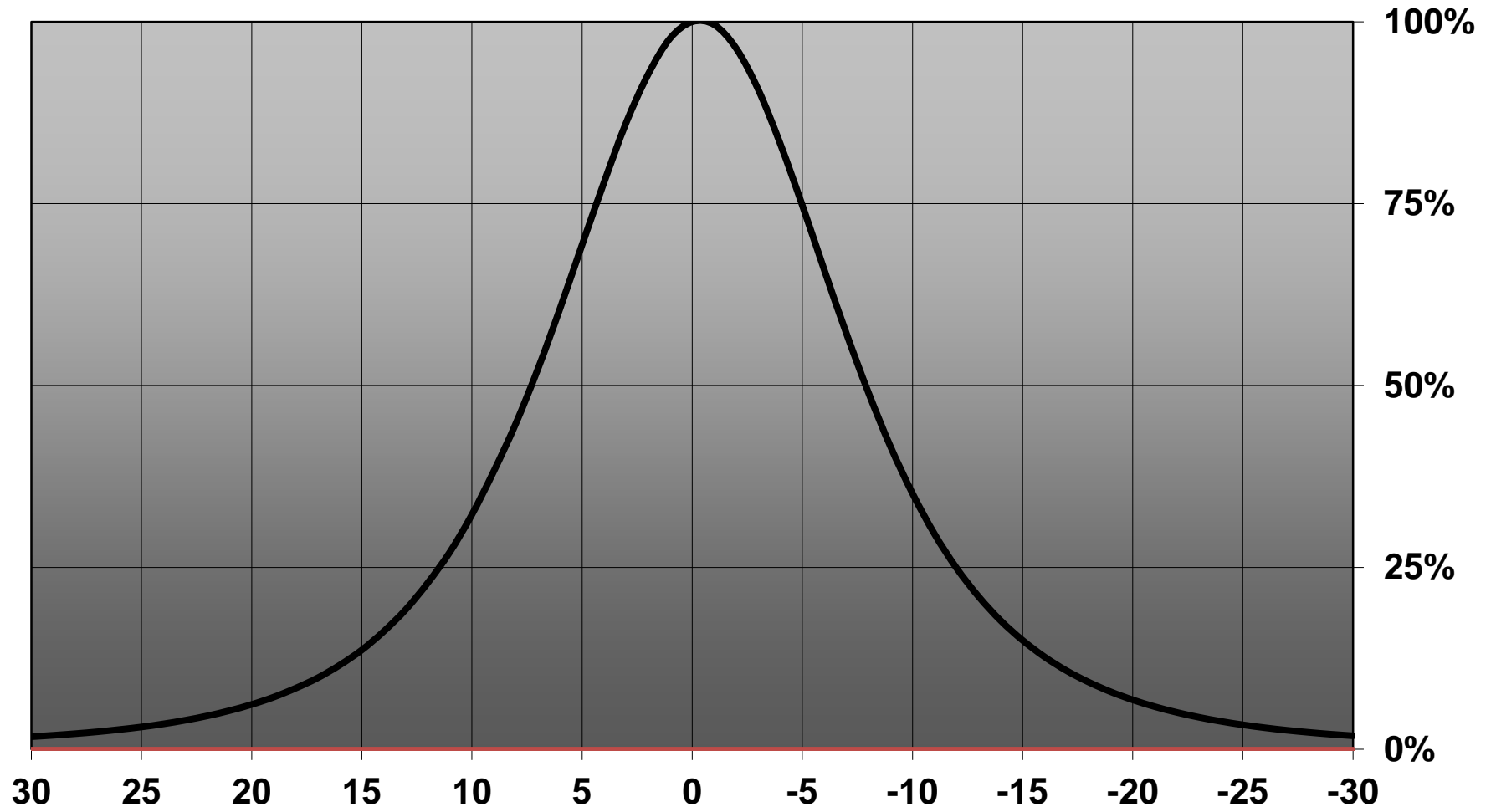
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	13 deg	Diffuser	93 %	9.300	-
XP-G	16 deg	Diffuser	94 %	-	-
XP-E-HEW	15 deg	Diffuser	86 %	6.200	-
XP-E2	15 deg	Diffuser	88 %	6.370	-
LUXEON Rebel	15 deg	Diffuser	90 %	5.000	-
LUXEON T	18 deg	Diffuser	89 %	4.500	-
LUXEON Z ES	15 deg	Diffuser	90 %	7.100	-
LUXEON H50-2	sim: 13	Diffuser	sim: 90 %	sim: 9.500	-
NCSxx19B	19 deg	Diffuser	85 %	5.000	-
NF2x757D	19 deg	Diffuser	84 %	4.200	-
SFH 4715S	sim: 13	Diffuser	-	-	-
Oslon Square EC	16 deg	Diffuser	81 %	6.650	-
Oslon SSL 80	14 deg	Diffuser	83 %	7.260	-
Oslon SSL 150	12 deg	Diffuser	83 %	8.900	-
SFH 4725S	18 deg	Diffuser	-	-	-
Z5	14 deg	Diffuser	-	-	-

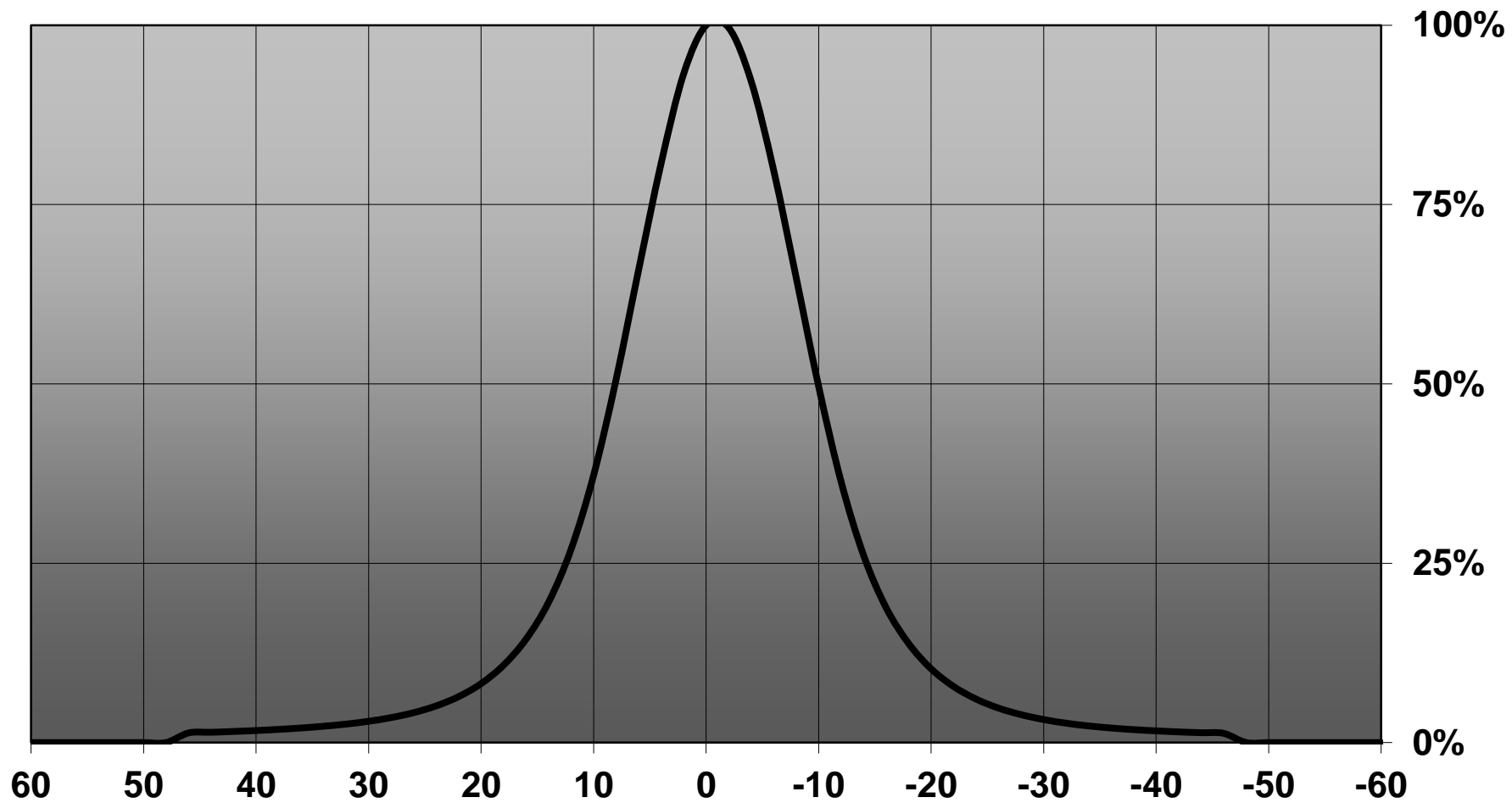
Relative intensity of CA11960_LAURA-D-PIN_(XP-E2)



Relative intensity of CA11960_LAURA-D-PIN_(Luxeon Z ES)

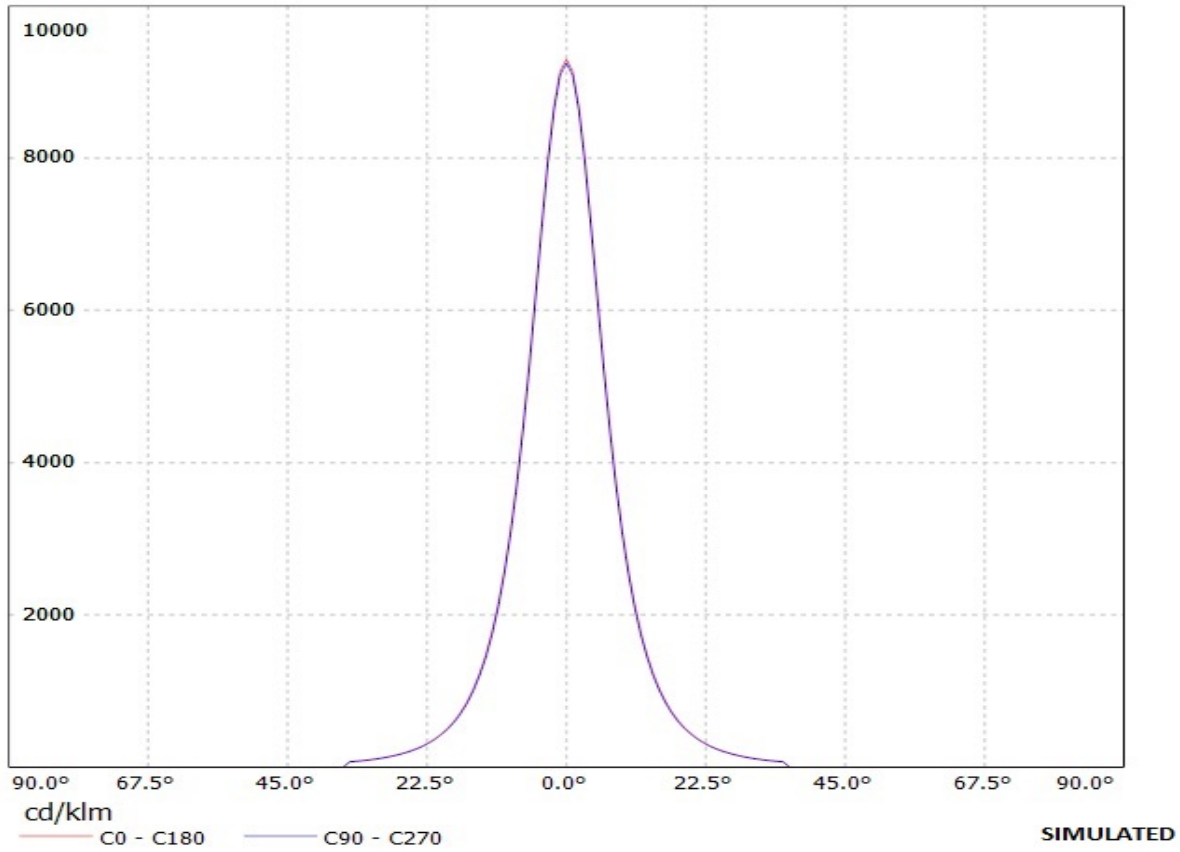


Relative intensity of CA11960_LAURA-D-PIN_(SFH4725S)



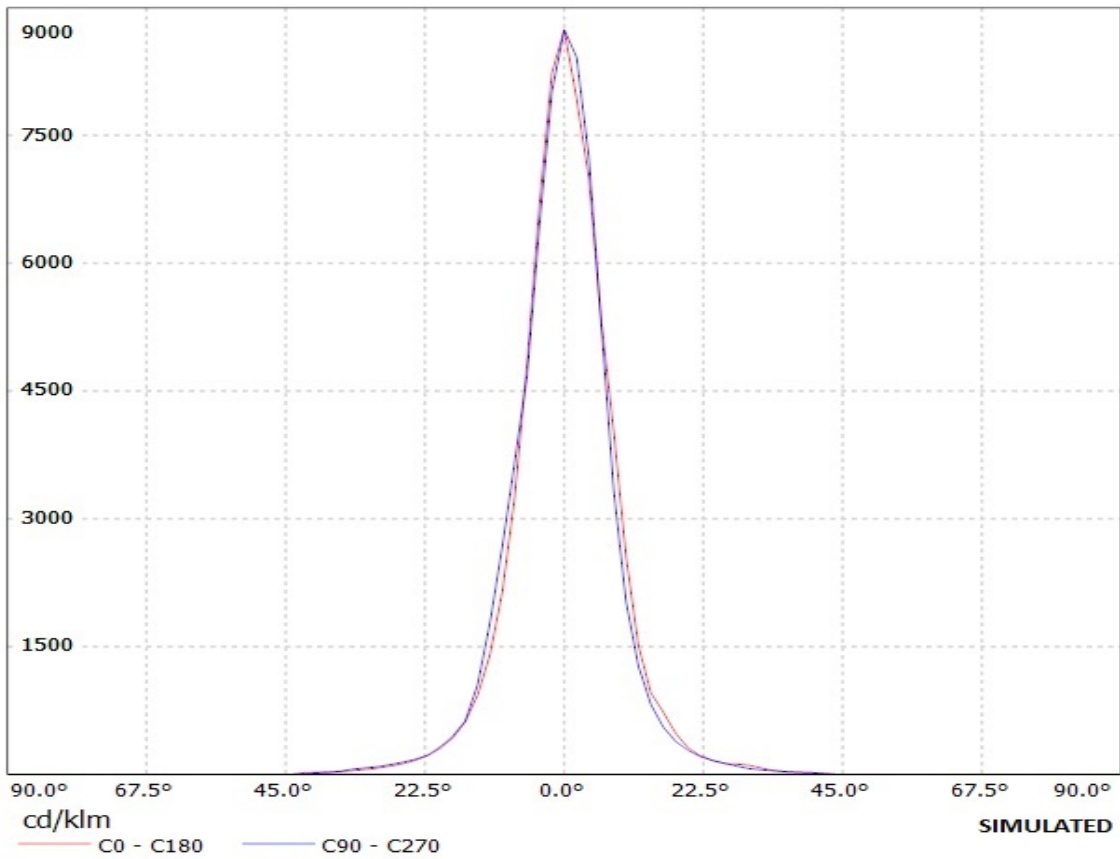
Ledil Oy CA11360_Laura-D-XP-tape CA11360_Laura-D-XP-tape / LDC (Linear)

Luminaire: Ledil Oy CA11360_Laura-D-XP-tape CA11360_Laura-D-XP-tape
Lamps: 1 x Cree XP-E (White)

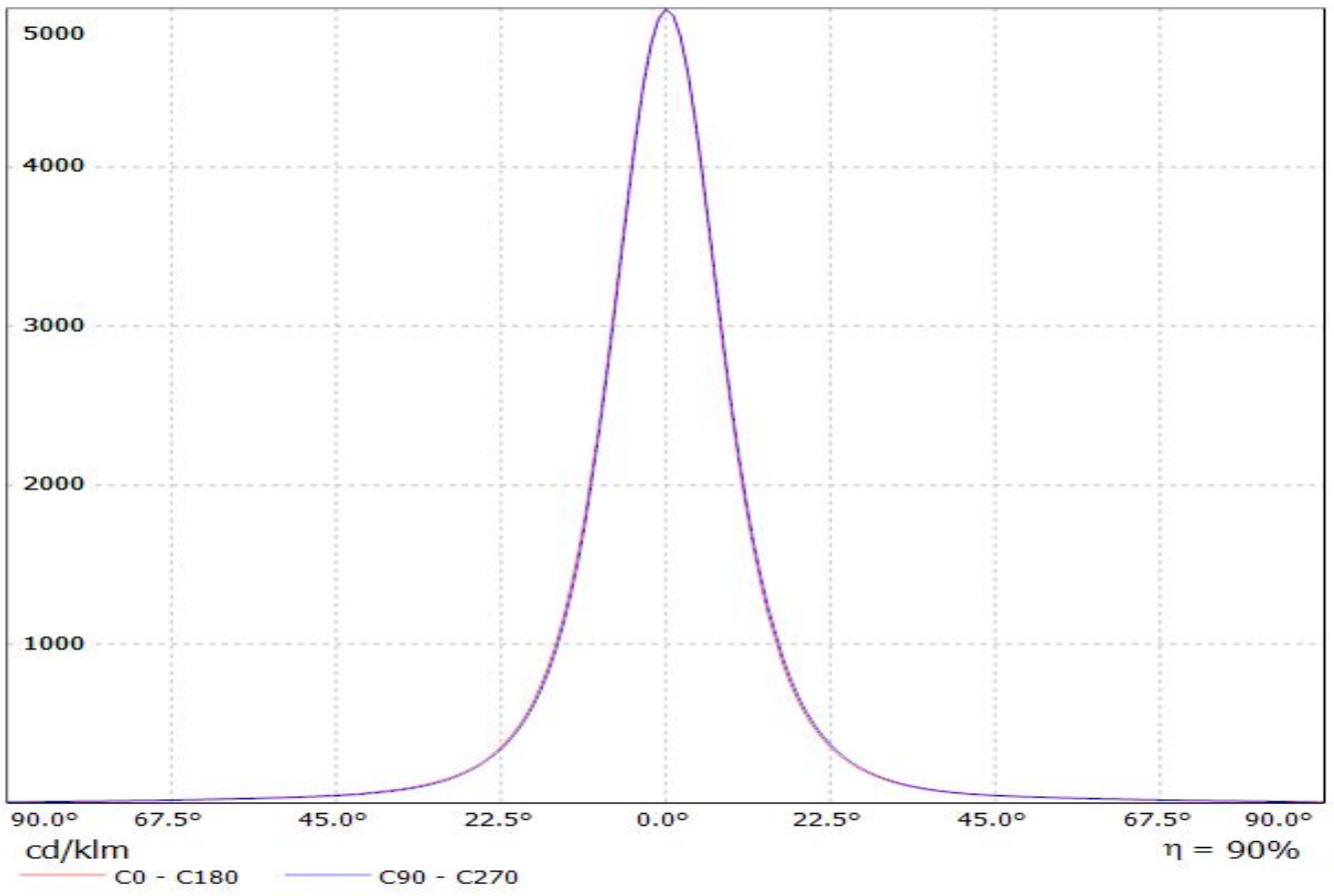


Ledil Oy CA11960_Laura-D-Pin-XP-G-tape / LDC (Linear)

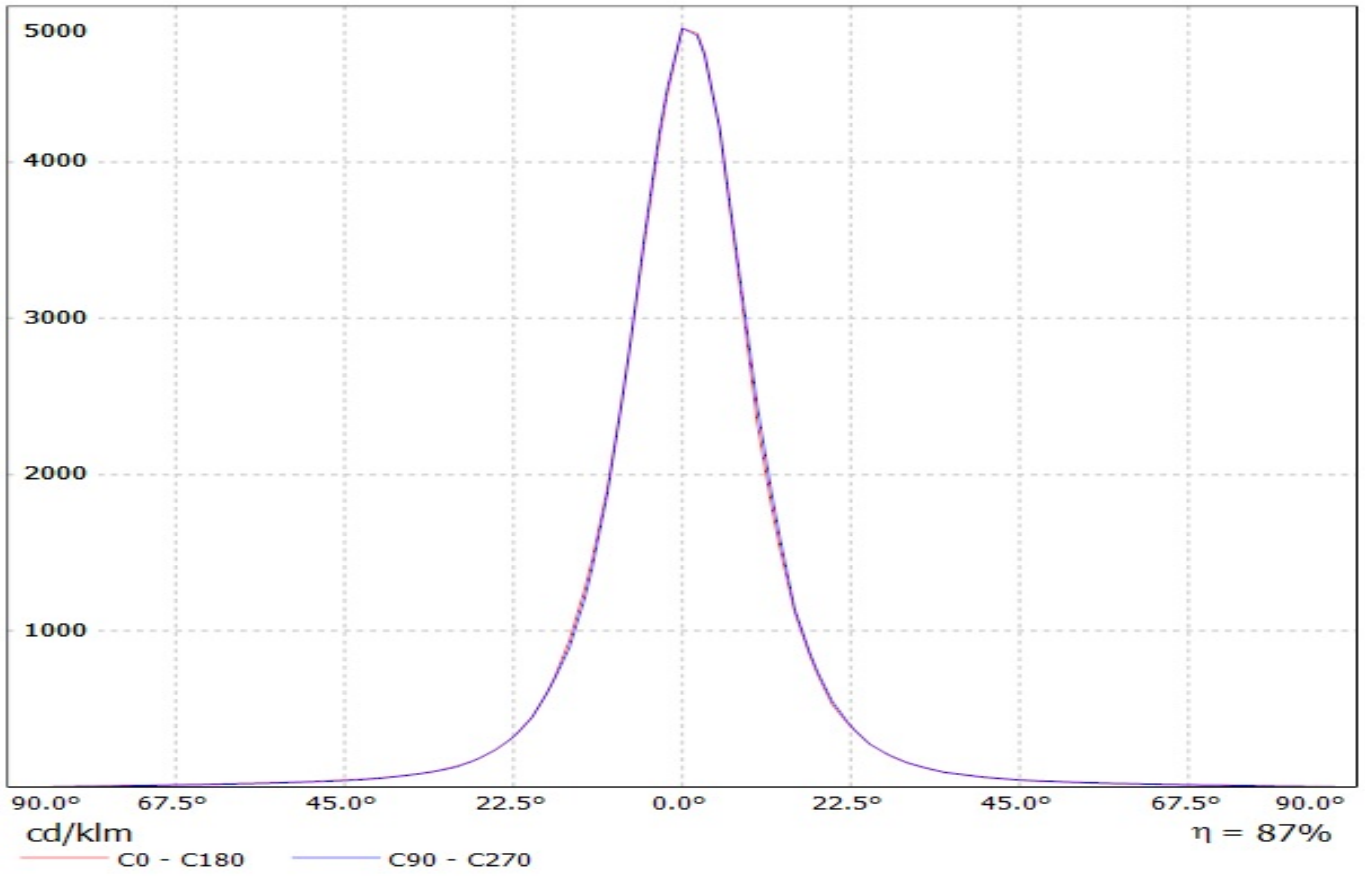
Luminaire: Ledil Oy CA11960_Laura-D-Pin-XP-G-tape
Lamps: 1 x Cree XP-G 63,5lm 250mA Warm



Luminaire: LEDiL Oy CA11960_LAURA-D-PIN_(LUXEON_T) Eff. 89%
Lamps: 1 x LUXEON T (65lm@250mA)

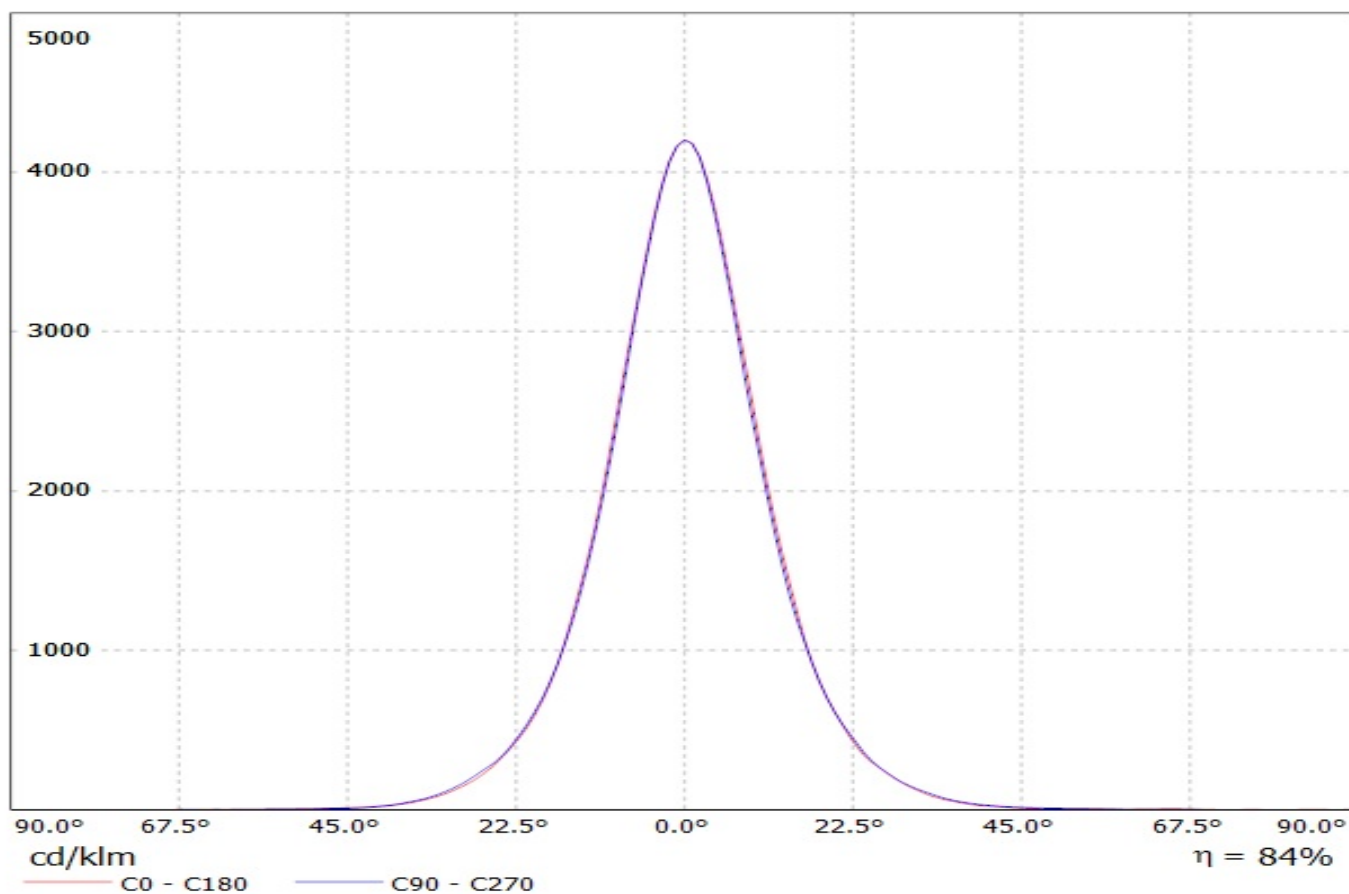


Luminaire: LEDil Oy CA11960_LAURA-D-PIN_(NCSxx19B) Efficiency=85%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



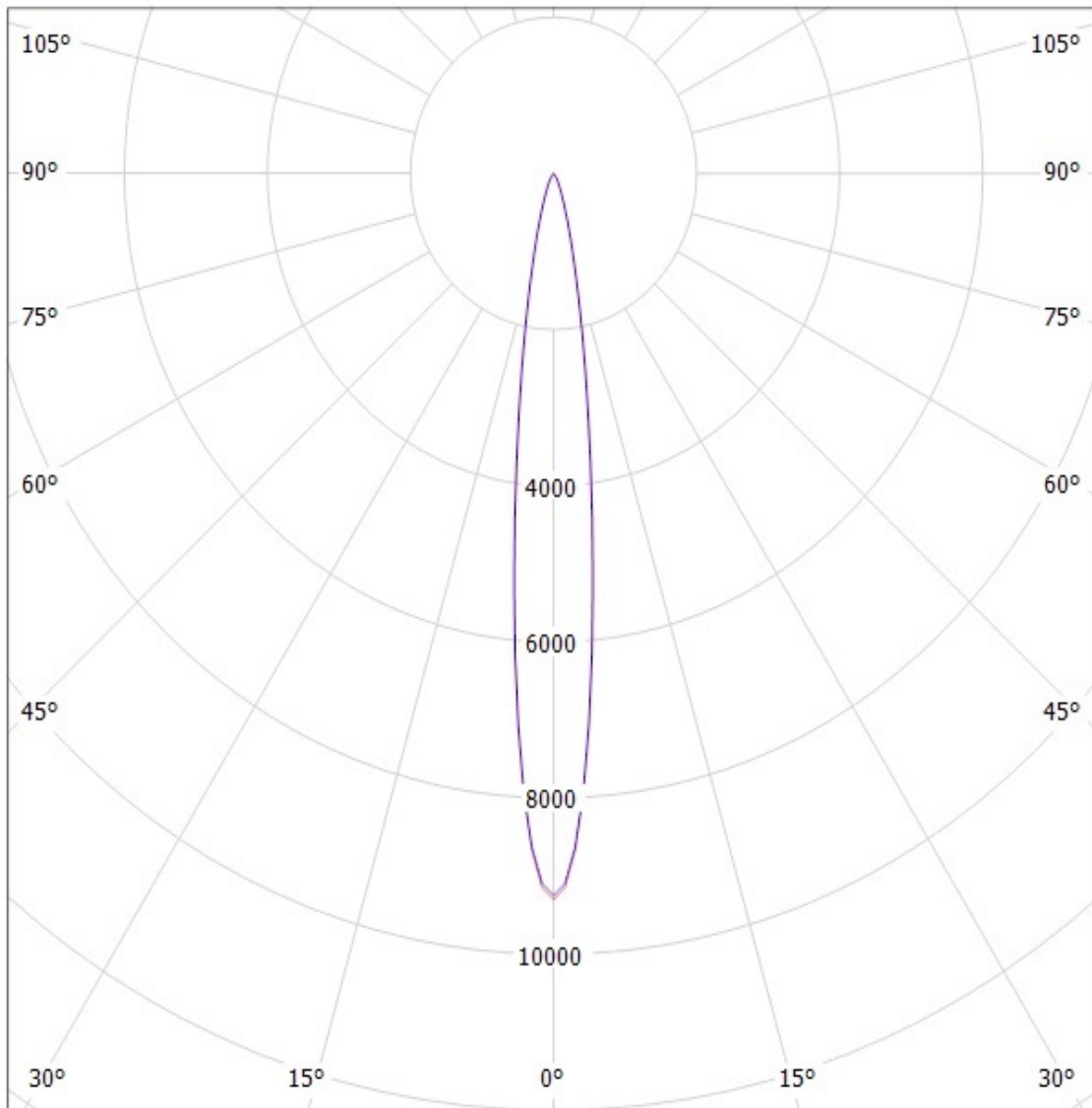
Luminaire: LEDil Oy CA11960_LAURA-D-PIN_(NF2x757D)

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



Ledil Oy CA11360_Laura-D-XP-tape CA11360_Laura-D-XP-tape / LDC (Polar)

Luminaire: Ledil Oy CA11360_Laura-D-XP-tape CA11360_Laura-D-XP-tape
Lamps: 1 x Cree XP-E (White)



cd/klm

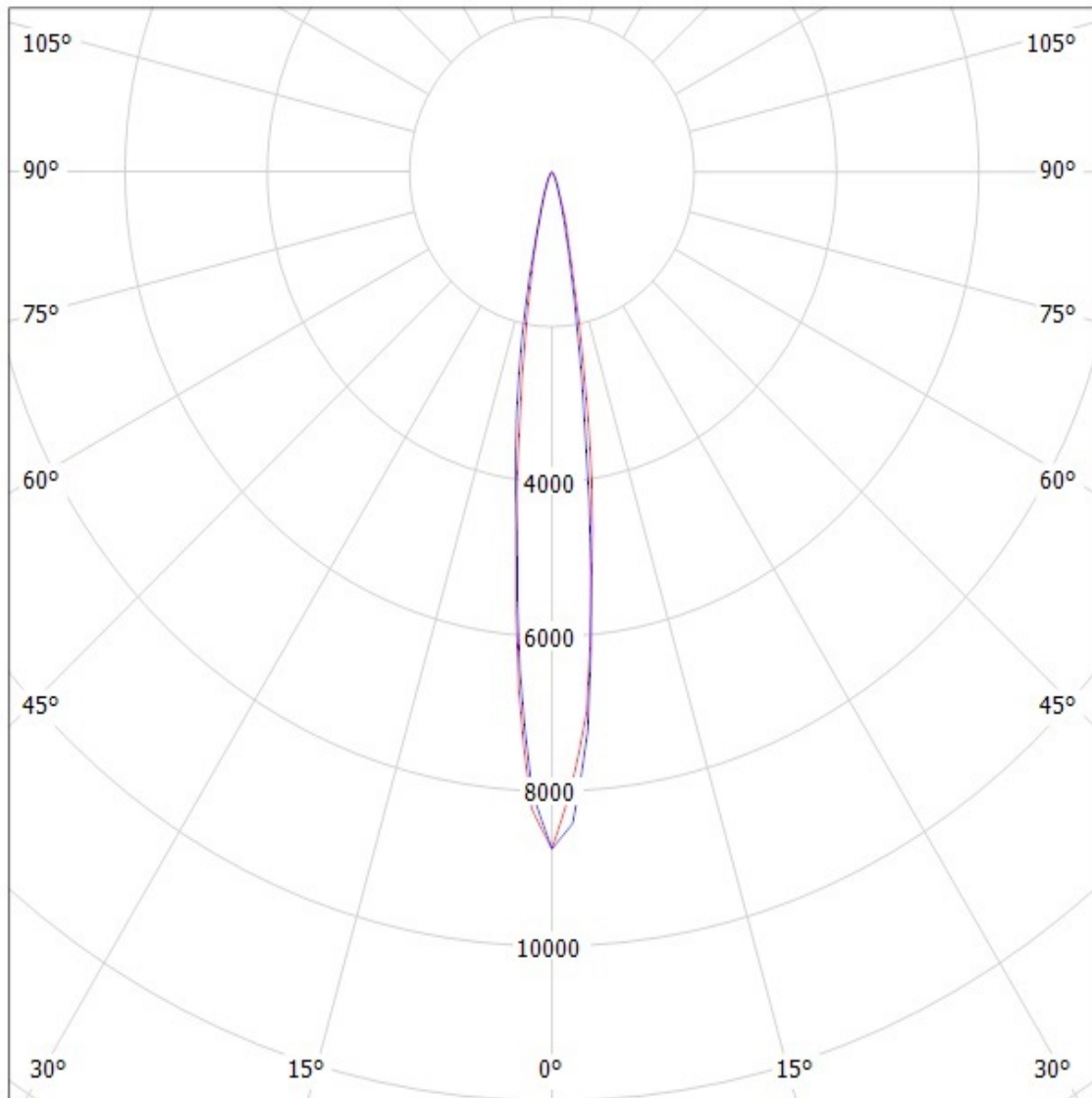
— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy CA11960_Laura-D-Pin-XP-G-tape / LDC (Polar)

Luminaire: Ledil Oy CA11960_Laura-D-Pin-XP-G-tape

Lamps: 1 x Cree XP-G 63,5lm 250mA Warm



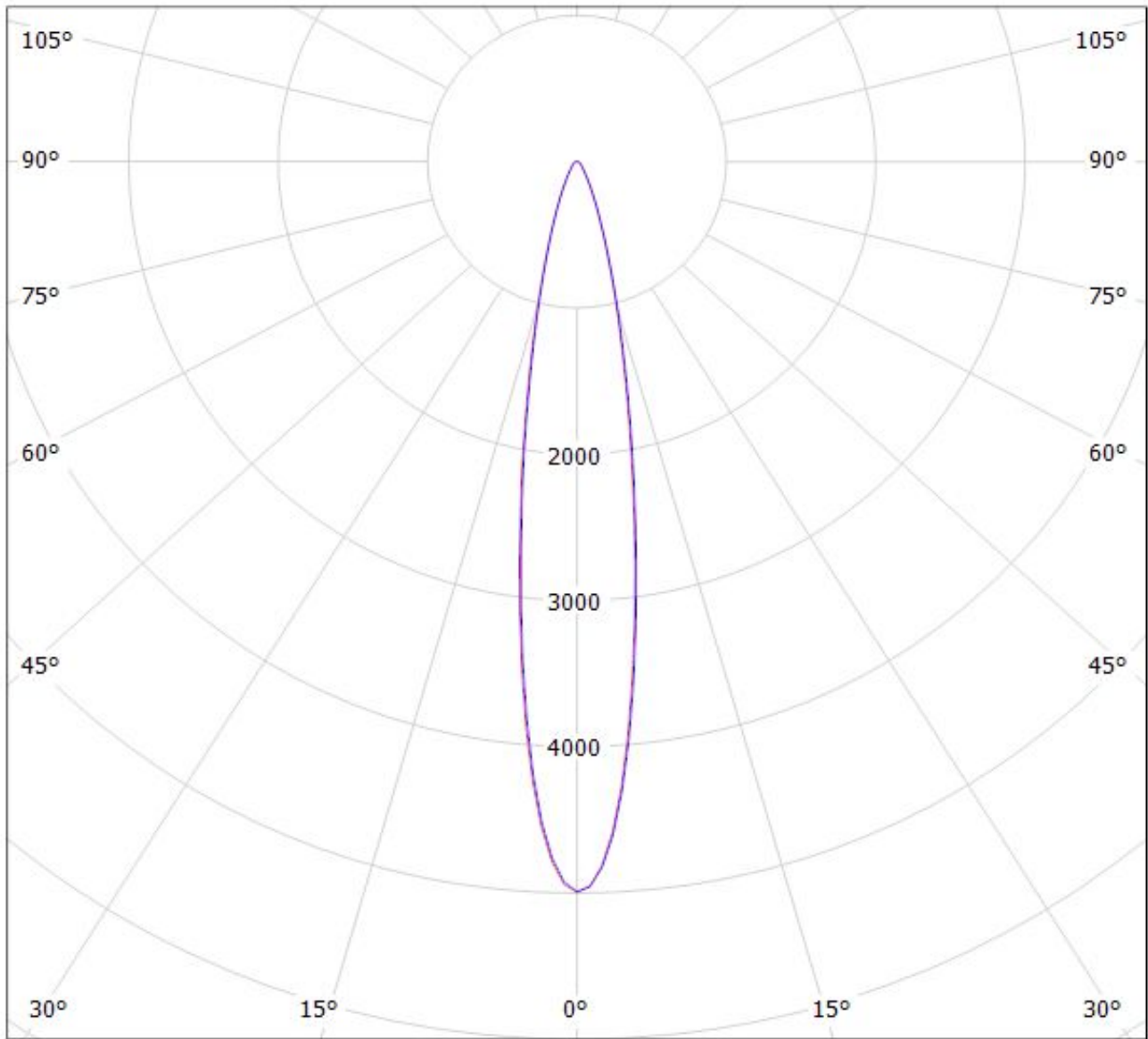
cd/klm

— C0 - C180

— C90 - C270

SIMULATED

Luminaire: LEDiL Oy CA11960_LAURA-D-PIN_(LUXEON_T) Eff.89%
Lamps: 1 x LUXEON T (65lm@250mA)

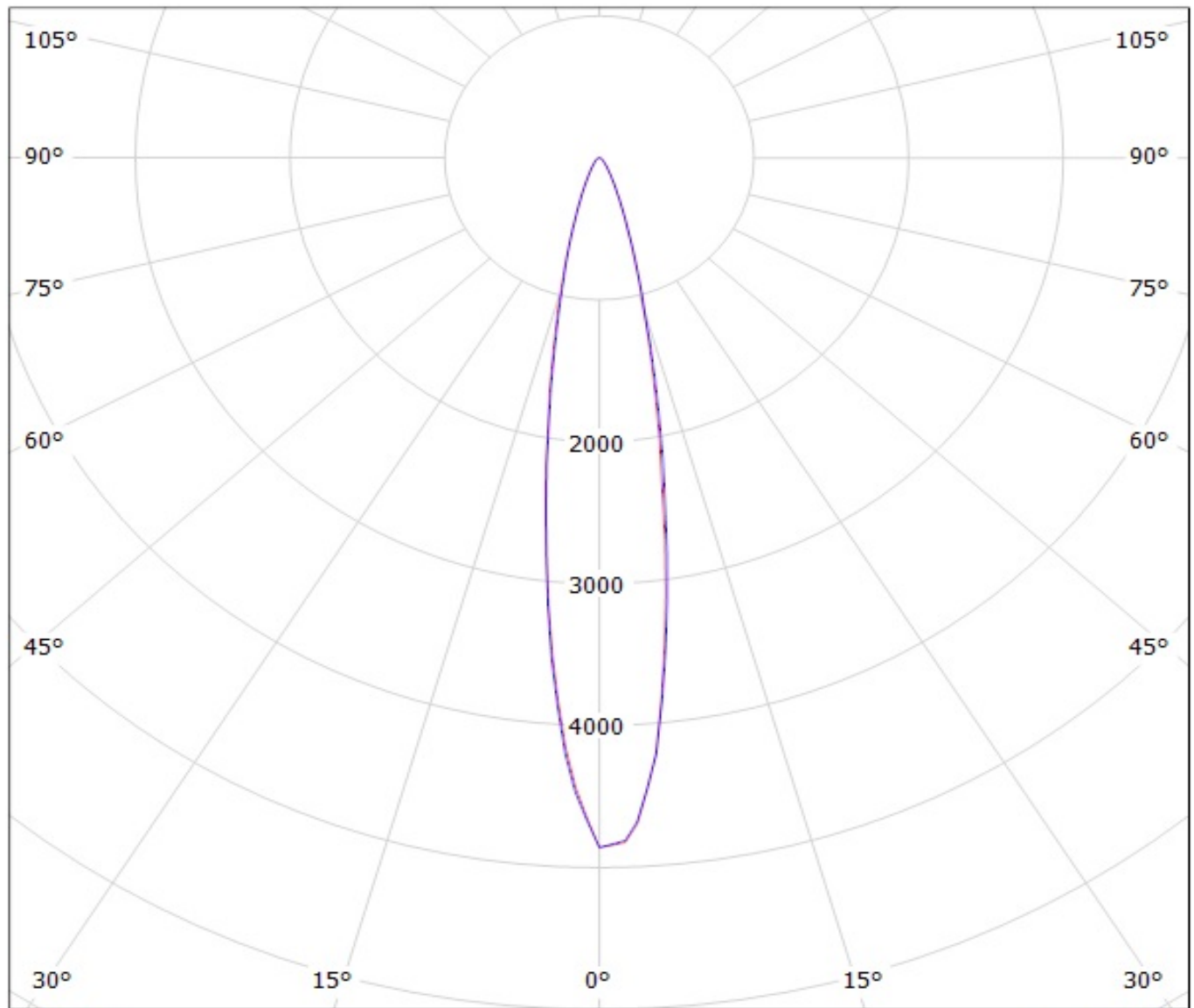


cd/klm

— C0 - C180 — C90 - C270

$\eta = 90\%$

Luminaire: LEDil Oy CA11960_LAURA-D-PIN_(NCSxx19B) Efficiency=85%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



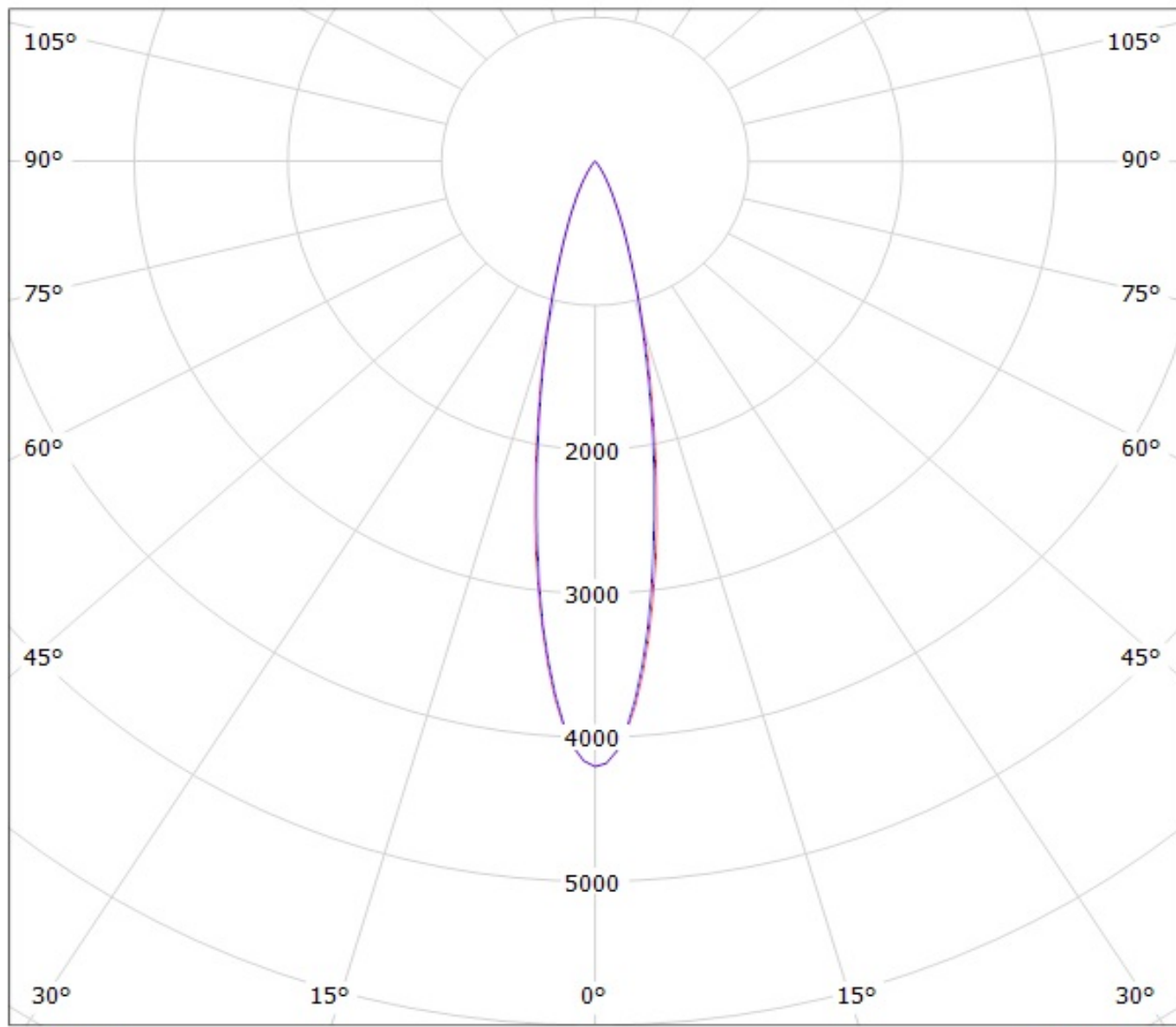
cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDil Oy CA11960_LAURA-D-PIN_(NF2x757D)

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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

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.