

DETAILS

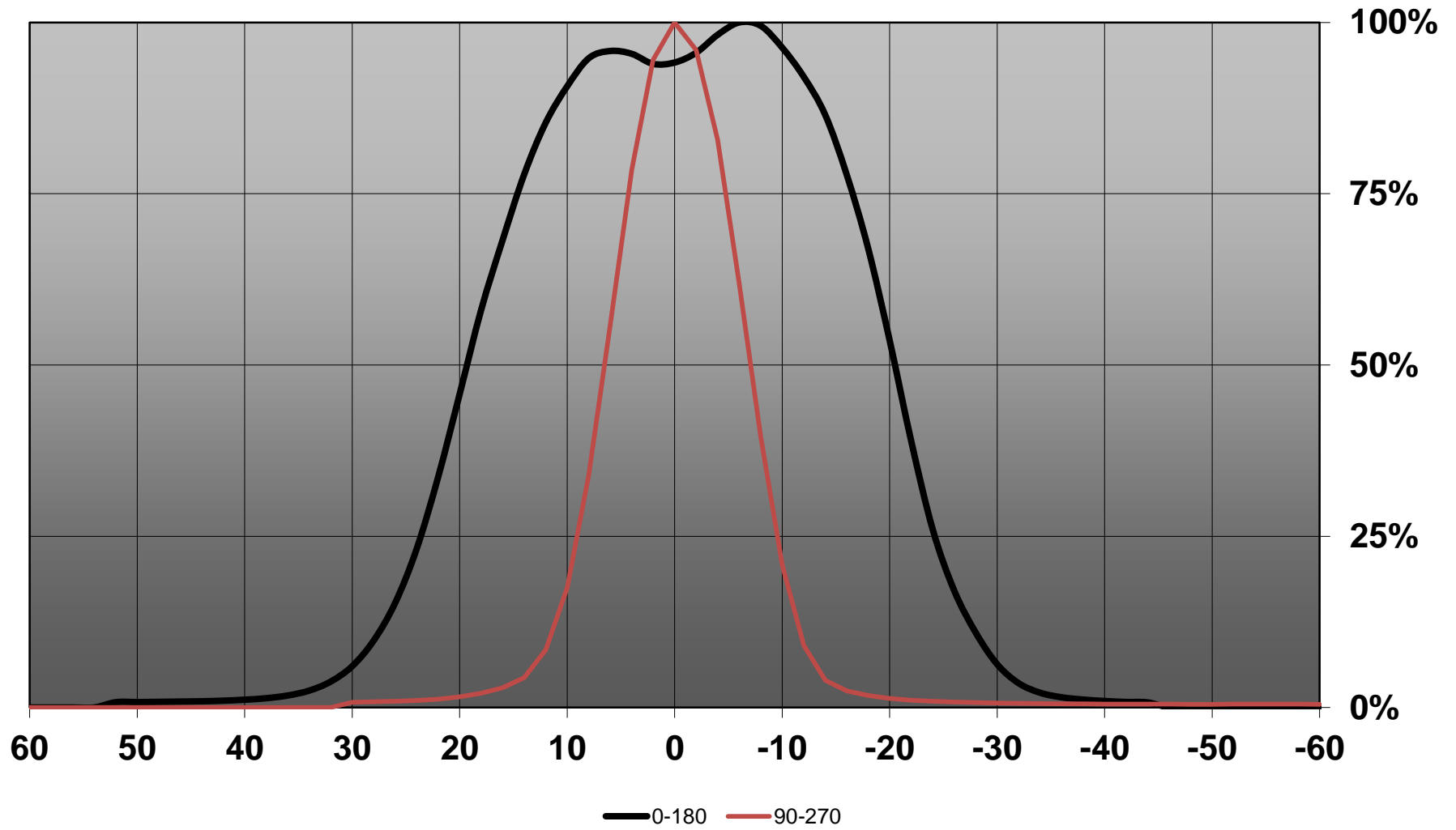
Product Number	CA12012_LAURA-O-PIN
Family	Laura
Type	Assembly
Color	white
Diameter	21.6 x 21.6 mm
Height	13.1 mm
Style	square
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Compliant	Yes
Date Updated	18/04/2012



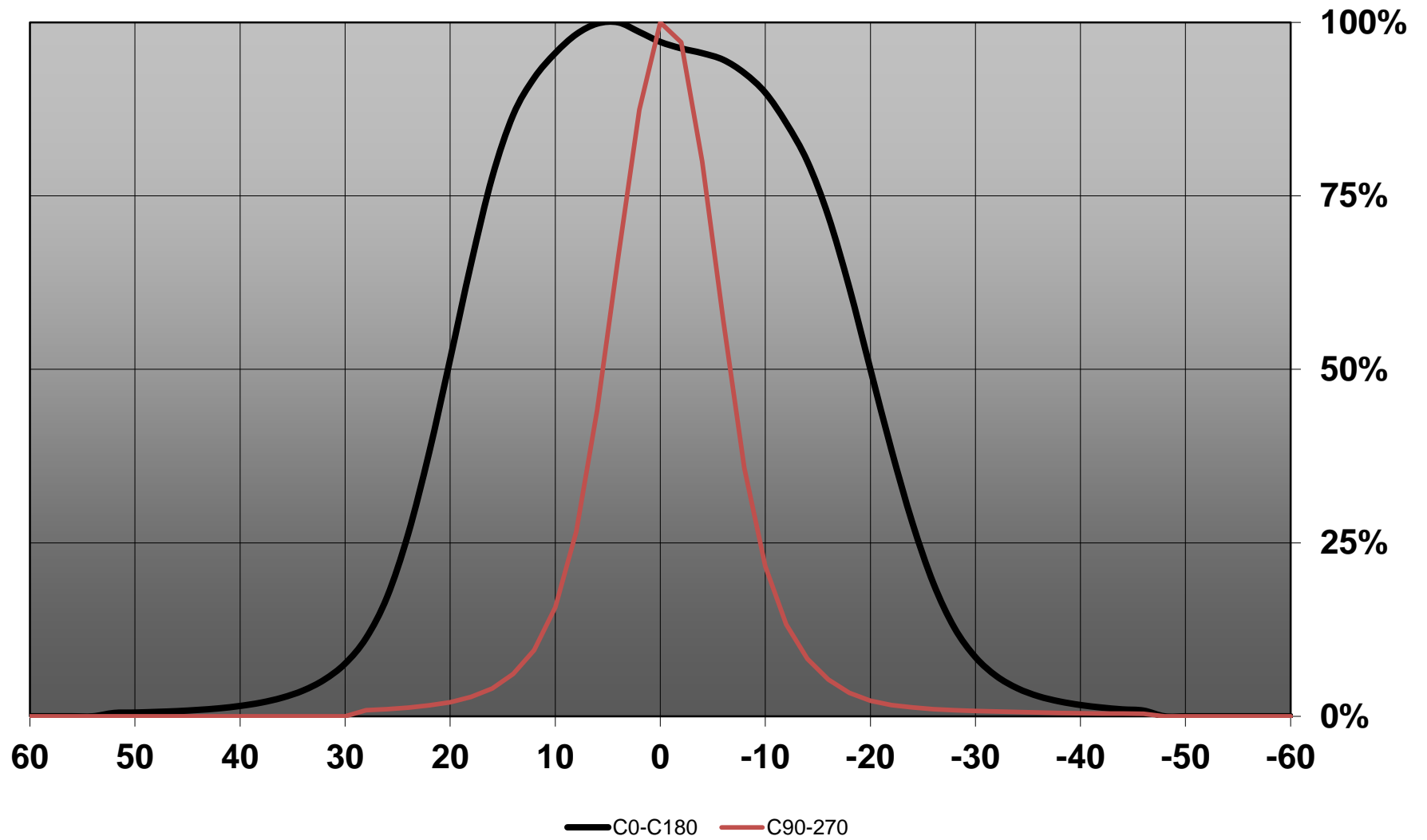
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Double Dome (GM2BB)	sim:	Oval	-	-	-
LUXEON H50-2	sim: 13+61	Oval	sim: 81 %	sim: 2.700	-
Oslon SSL 150	36+10 deg	Oval	86 %	4.440	-
XB-D	39+11 deg	Oval	94 %	4.810	-
Oslon Square EC	39+14 deg	Oval	87 %	3.820	-
SFH4725s (IR)	40+14 deg	Oval	-	sim: 0.000	-
XP-E	40+13 deg	Oval	91 %	4.800	-
XP-G	40+13 deg	Oval	91 %	sim: 0.000	-
Z5	40+12 deg	Oval	-	sim: 0.000	-
Oslon Square PC	40+12 deg	Oval	88 %	5.100	-
Oslon SSL 80	40+12 deg	Oval	86 %	4.530	-
LUXEON Z ES	40+11 deg	Oval	91 %	6.200	-
XP-E2	41+10 deg	Oval	91 %	6.740	-
SFH 4715S (IR)	41+14 deg	Oval	sim: 80 %	sim: 0.000	-
LUXEON Rebel	41+12 deg	Oval	90 %	5.000	-
NCSxx19B	41+13 deg	Oval	90 %	5.100	-
LUXEON Rebel ES	41+14 deg	Oval	90 %	4.600	-

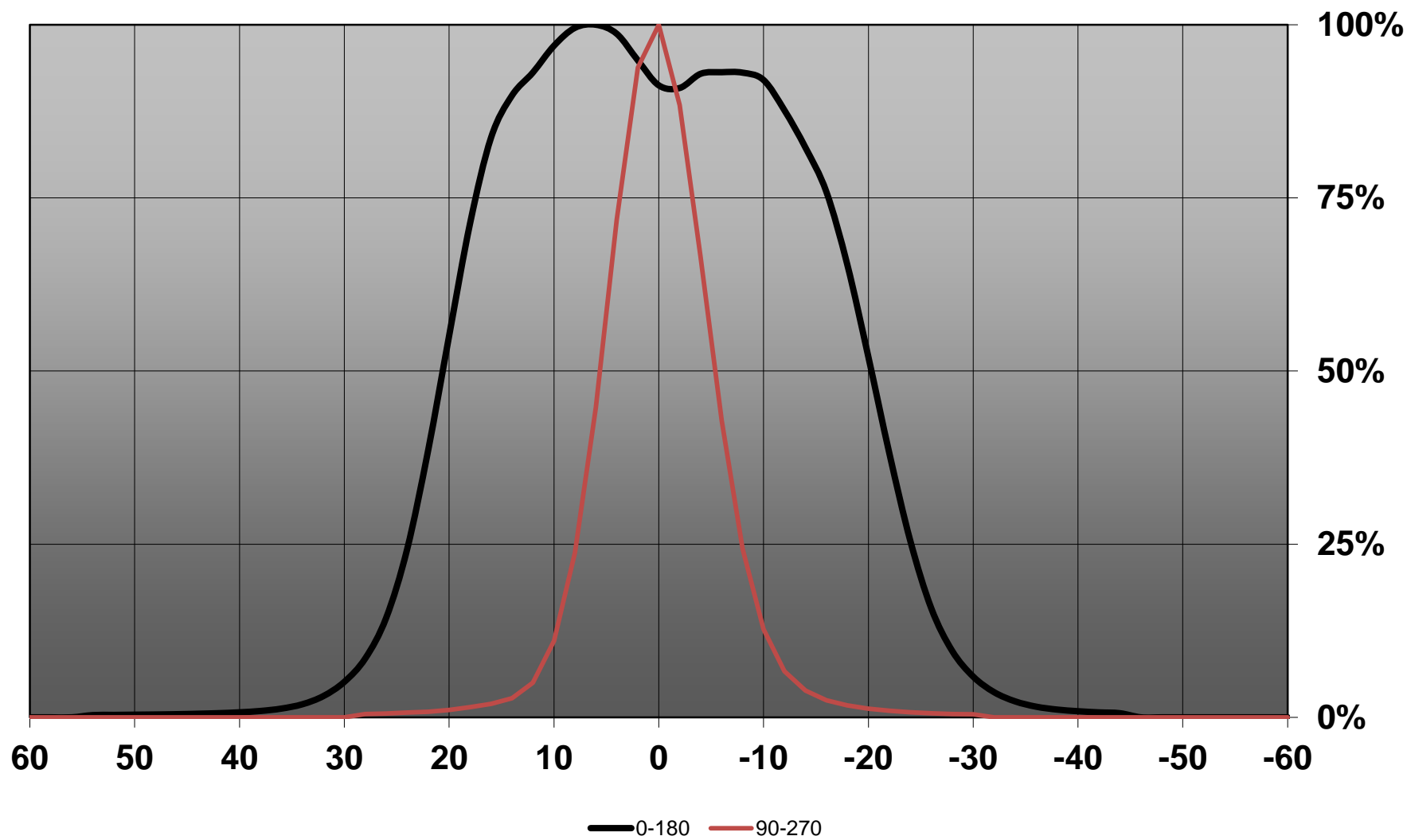
Relative intensity of CA12012_LAURA-O-PIN_(SFH4725S)



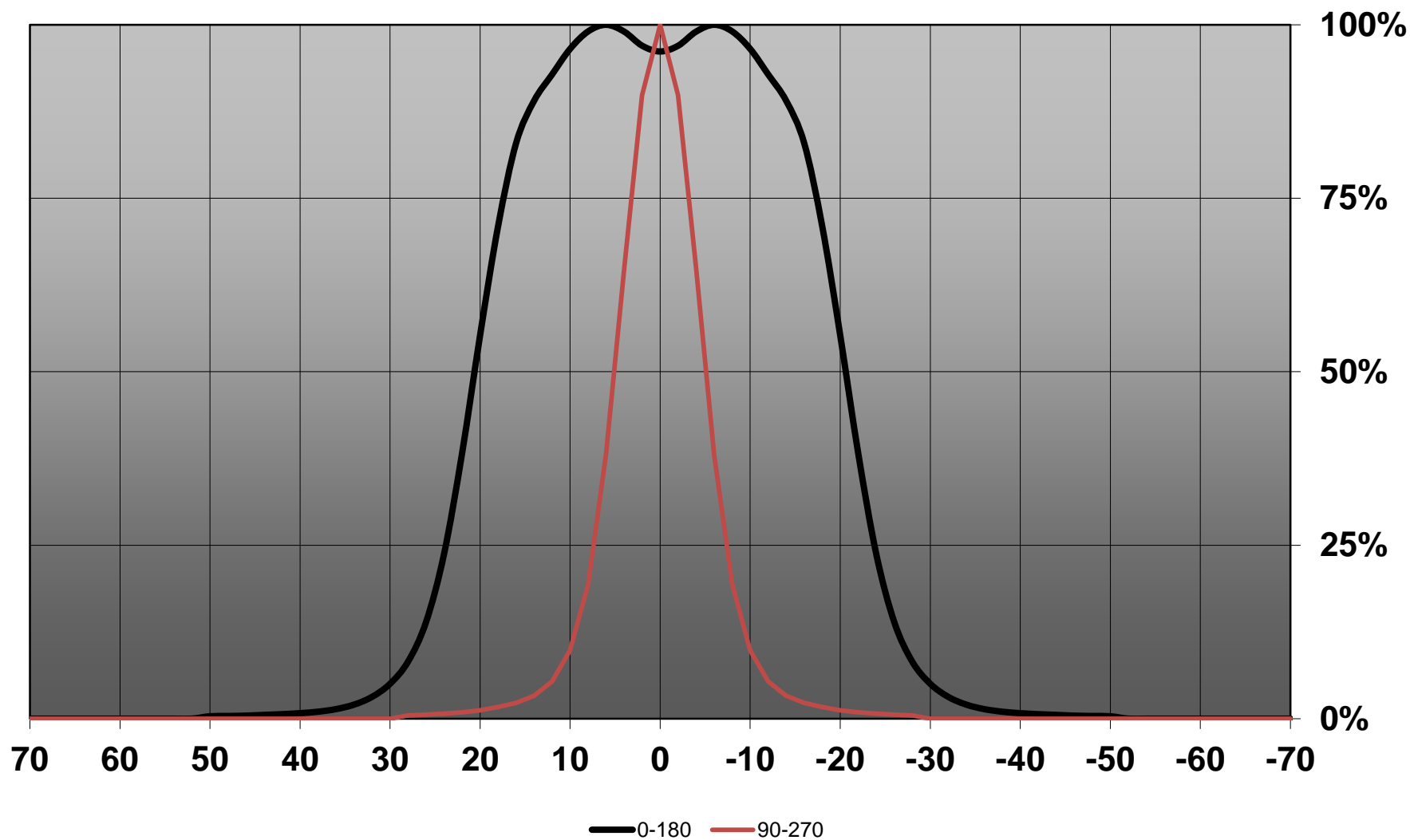
Relative intensity of CA12012_LAURA-O-PIN_(Oslon_Square_PC)



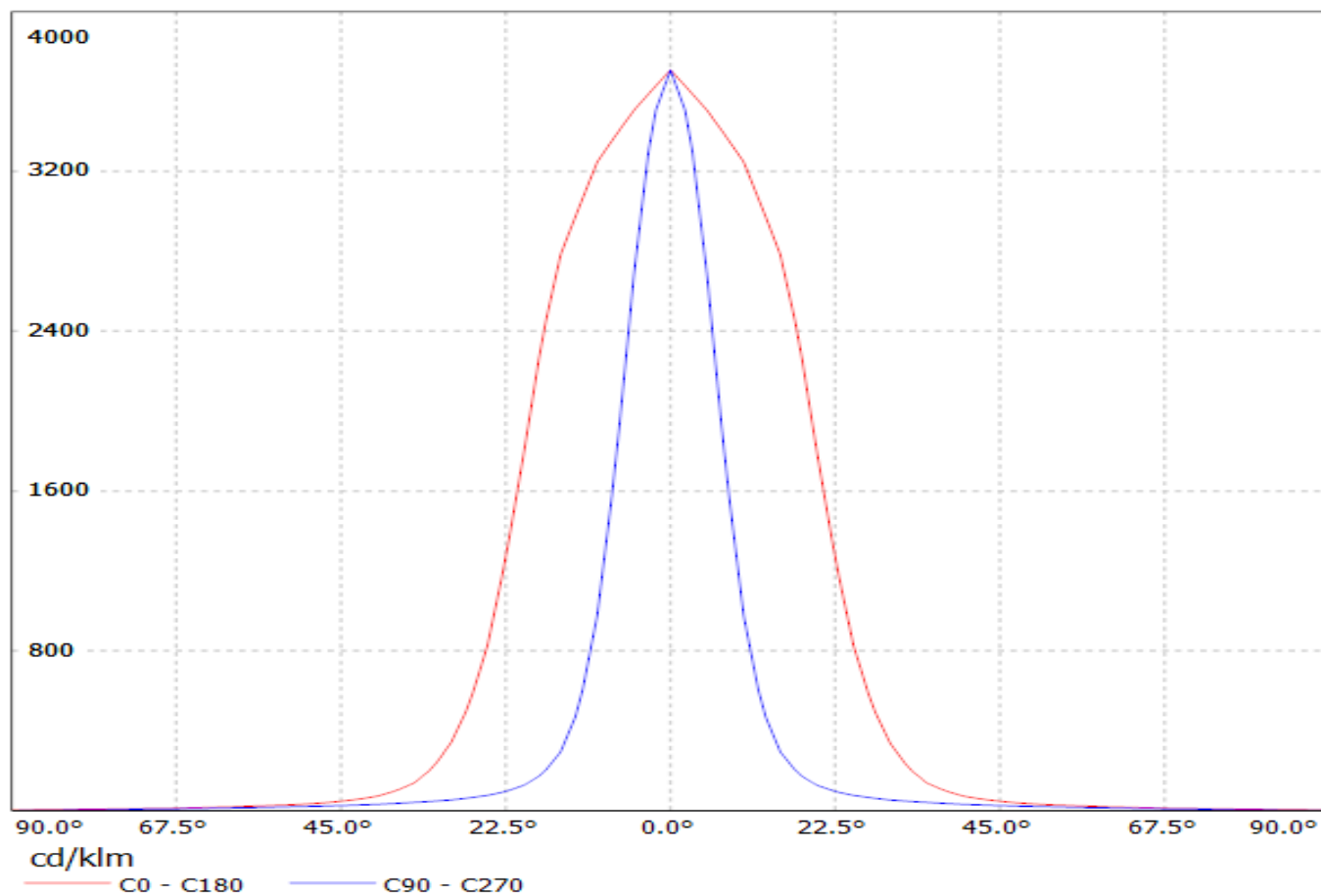
Relative intensity of CA12012_LAURA-O-PIN_(Luxeon Z ES)



Relative intensity of CA12012_LAURA-O-PIN_(XP-E2)



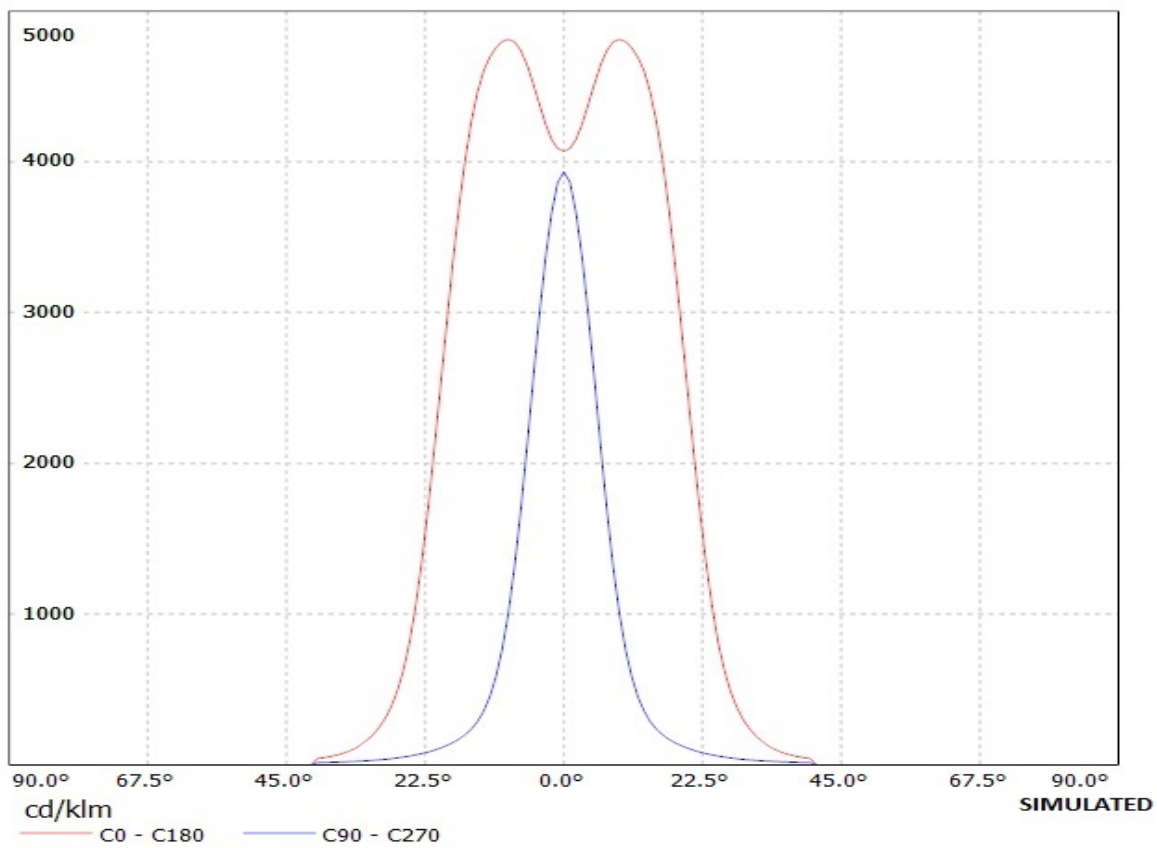
Luminaire: Ledil Oy CA12012_LAURA-O-PIN-EC (Osram Square EC 78lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 78lm @ 250mA



Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape / LDC (Linear)

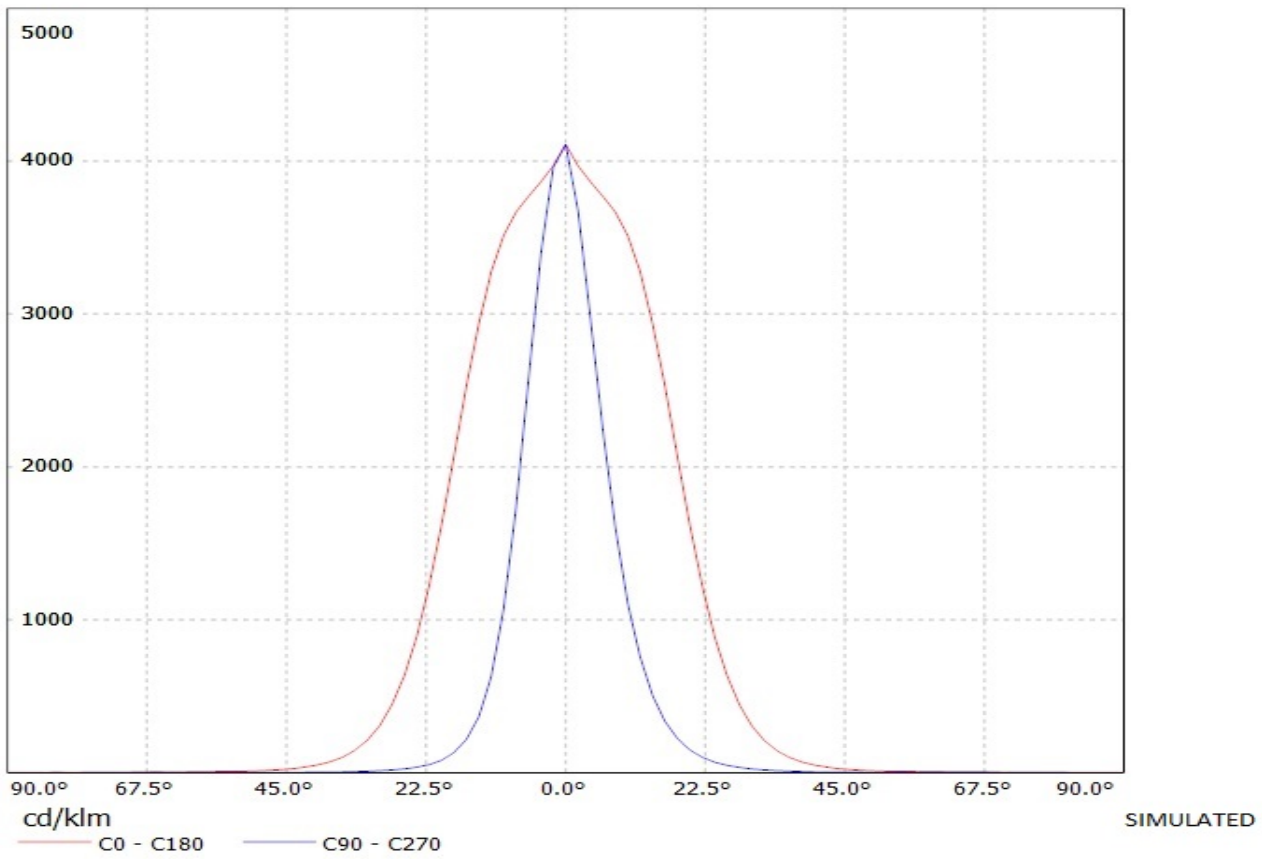
Luminaire: Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape

Lamps: 1 x Cree XP-E white

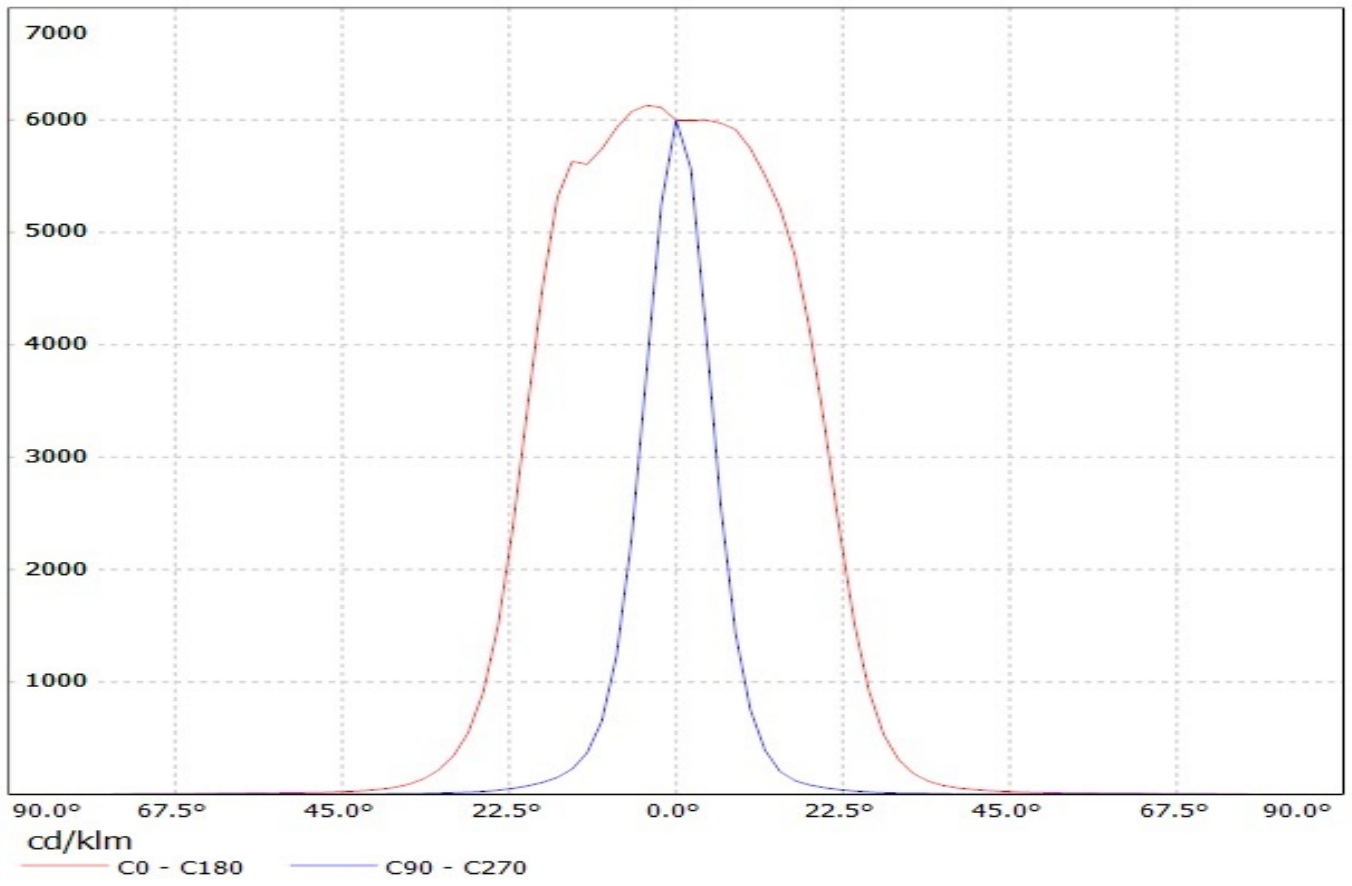


Ledil Oy CA12012_Laura-O-Pin-XP-G-tape / LDC (Linear)

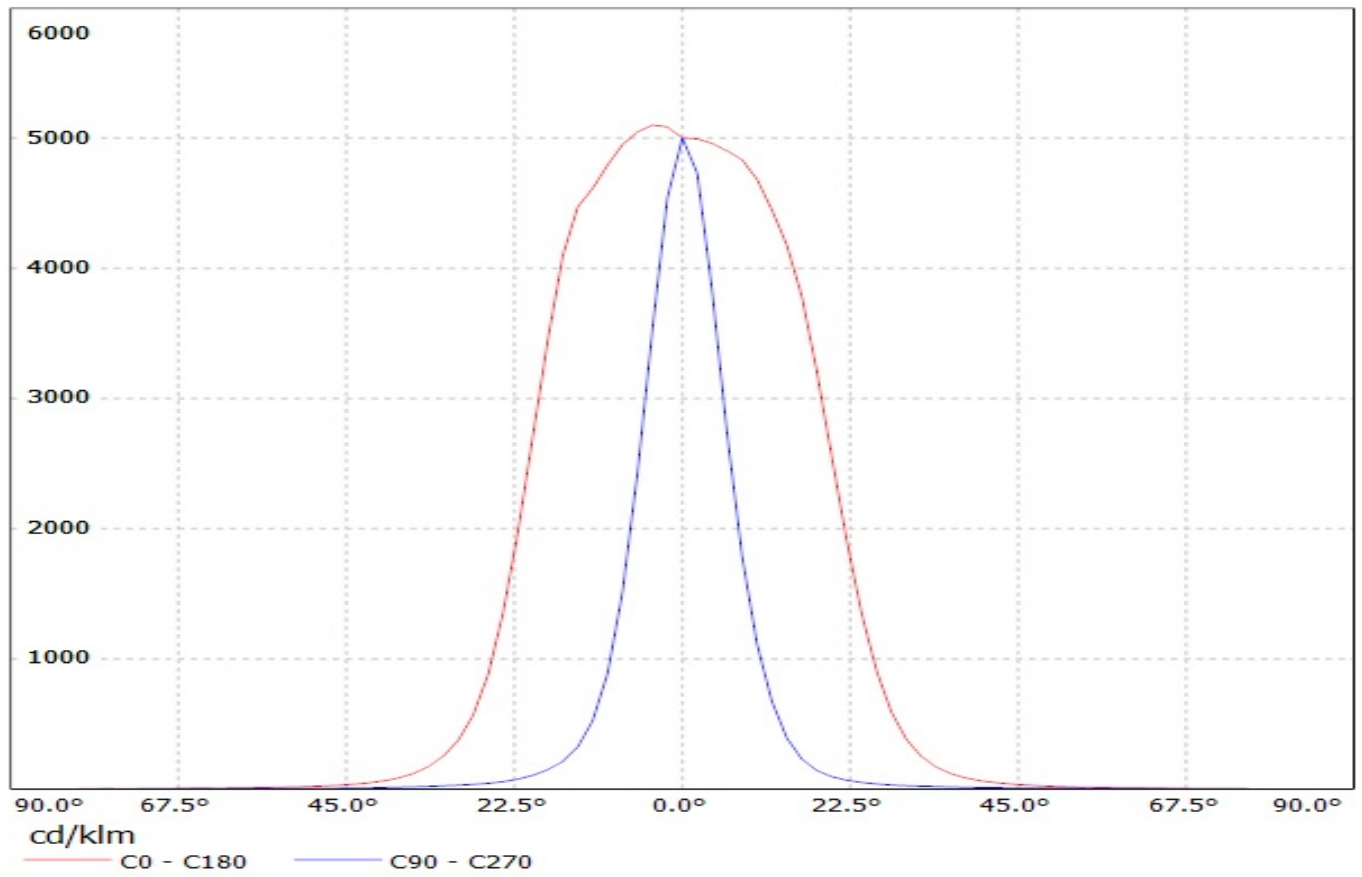
Luminaire: Ledil Oy CA12012_Laura-O-Pin-XP-G-tape
Lamps: 1 x Cree XP-G 63,5lm 250mA Warm



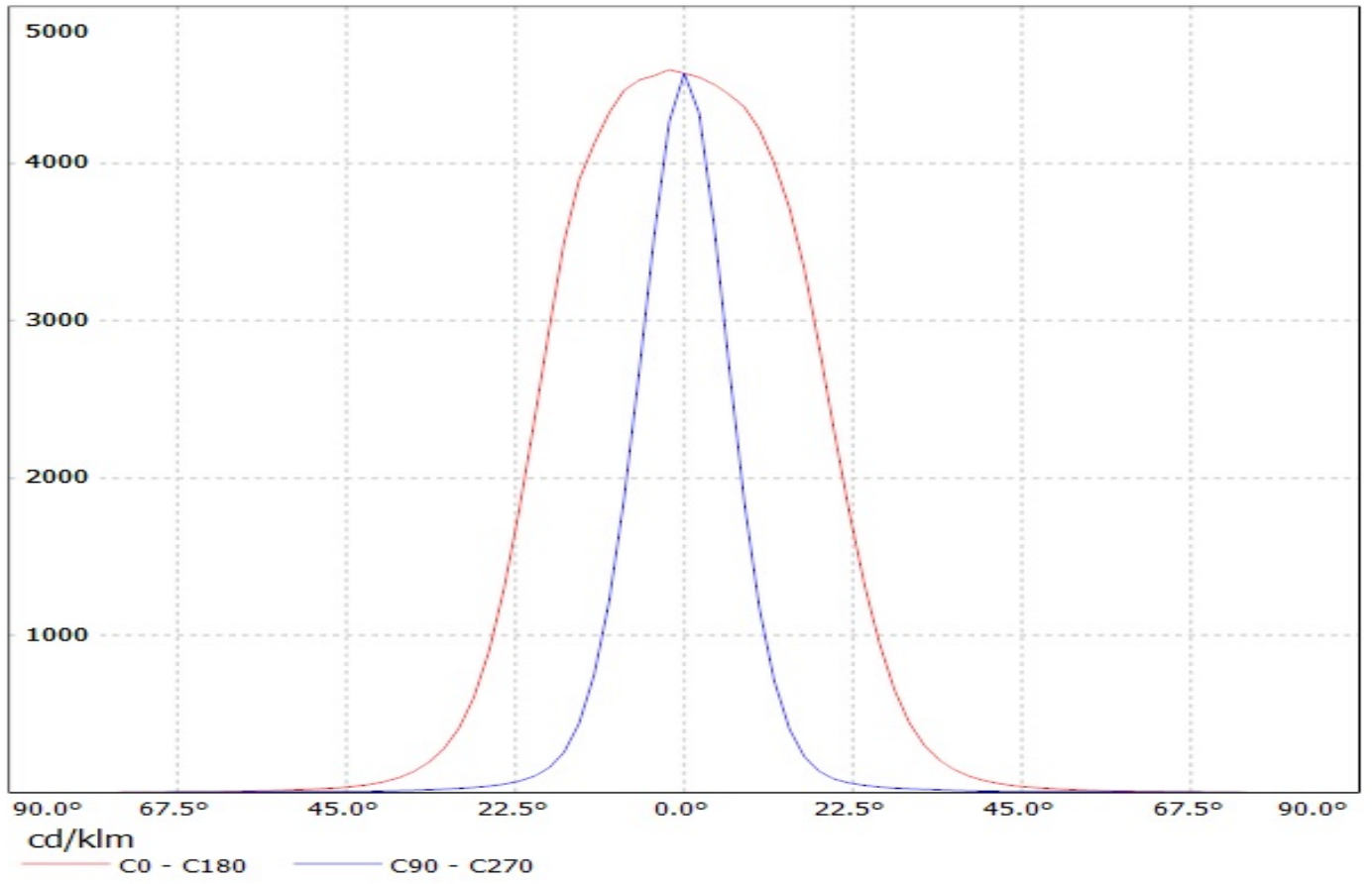
Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(XP-E2)
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



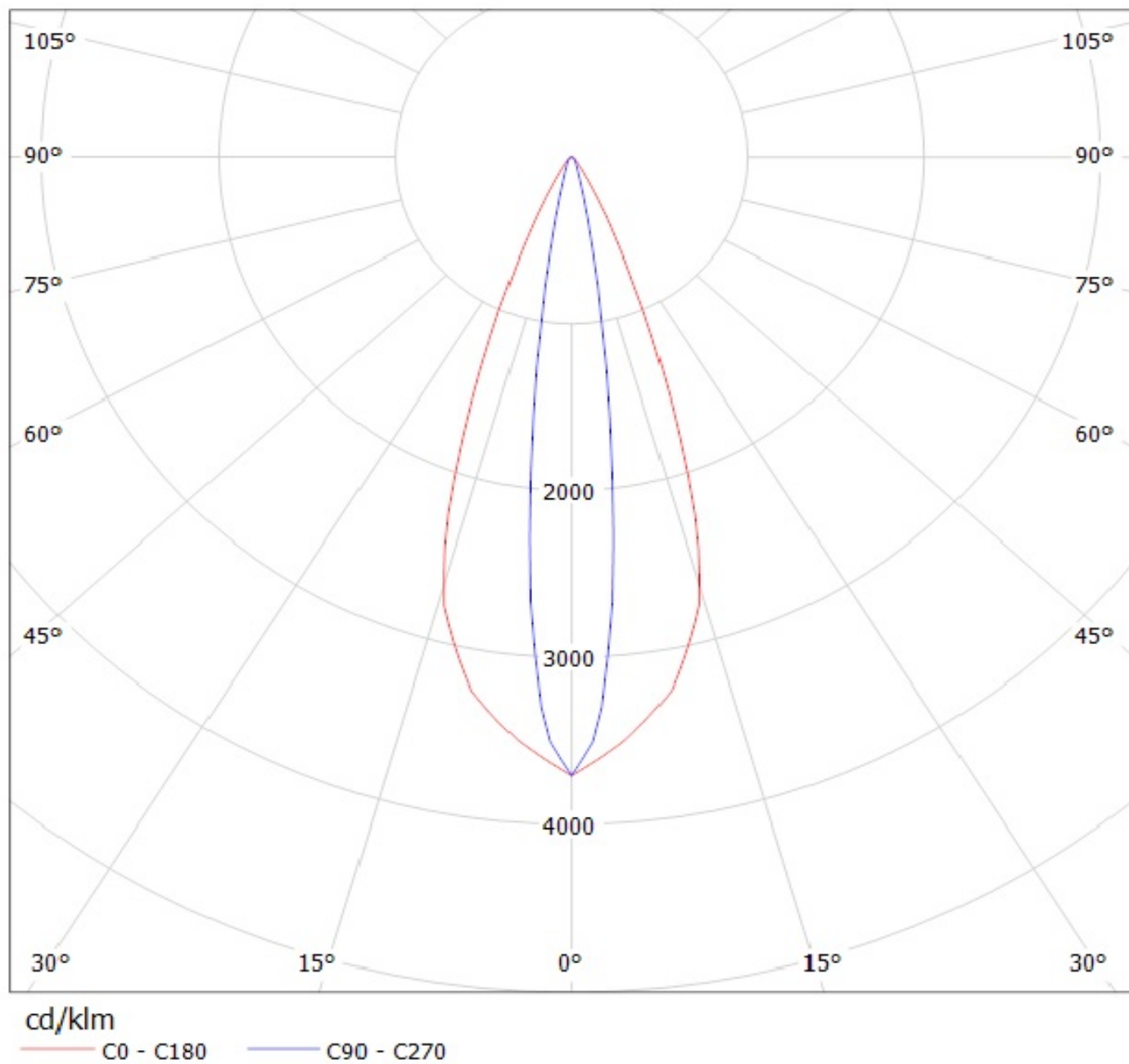
Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(NCSxx19B) Efficiency=90%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(Luxeon_Rebel_ES) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon Rebel ES (91.3lm @ 250mA) CCT=4100K P=0.8W I=250mA



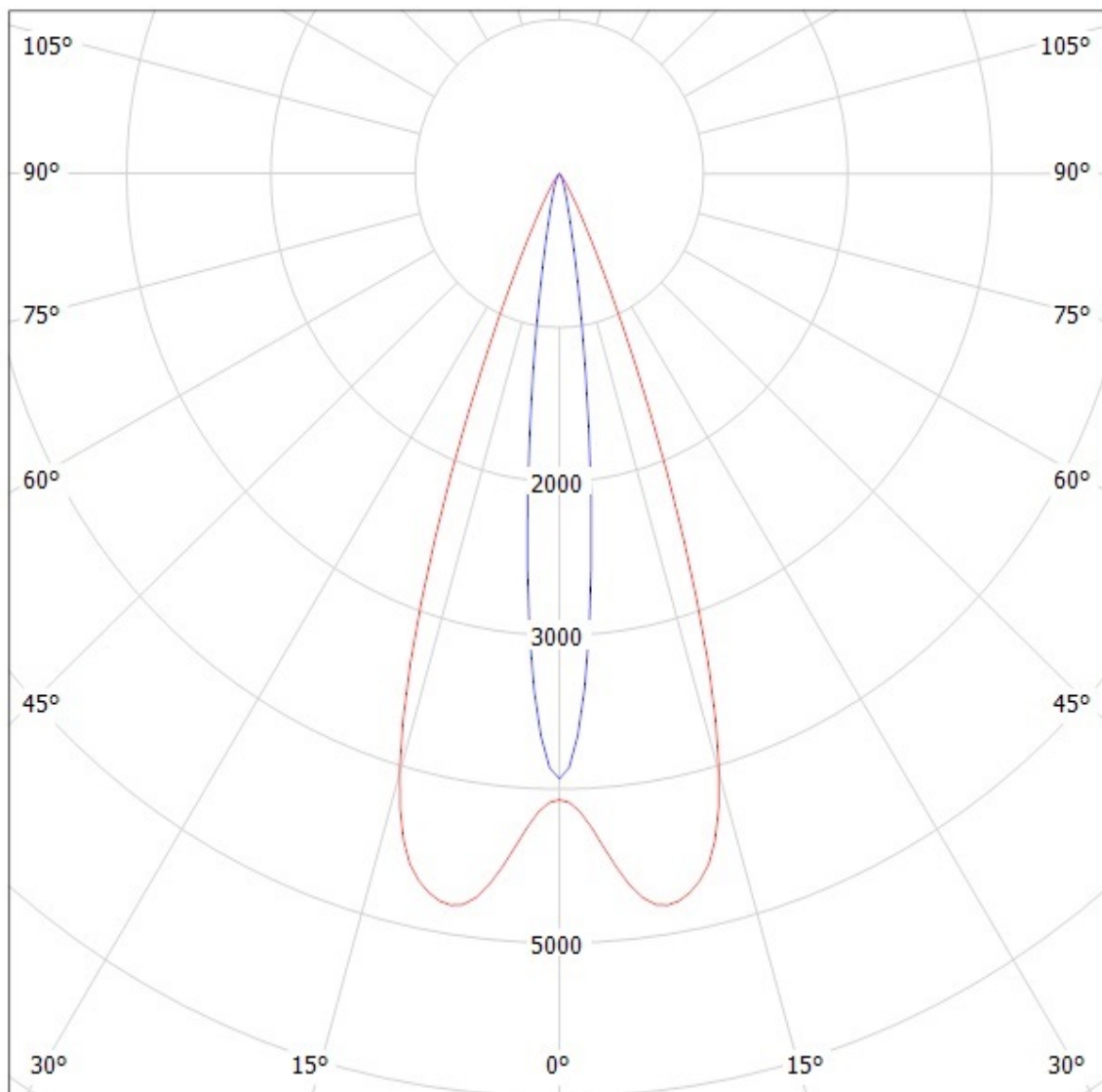
Luminaire: Ledil Oy CA12012_LAURA-O-PIN-EC (Osram Square EC 78lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 78lm @ 250mA



Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape / LDC (Polar)

Luminaire: Ledil Oy CA11365-Laura-O-XP-tape CA11365-Laura-O-XP-tape

Lamps: 1 x Cree XP-E white



cd/klm

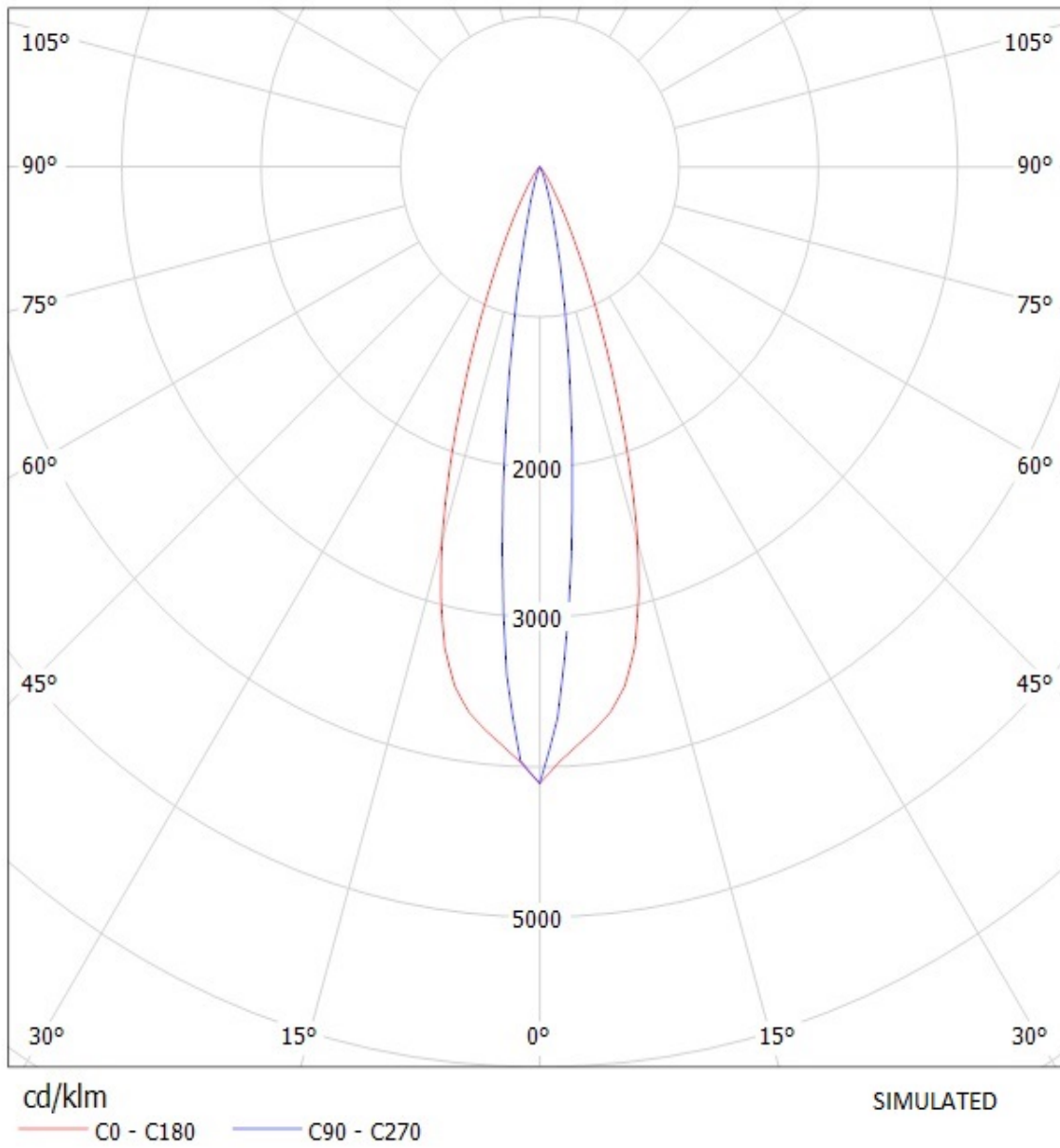
SIMULATED

— C0 - C180

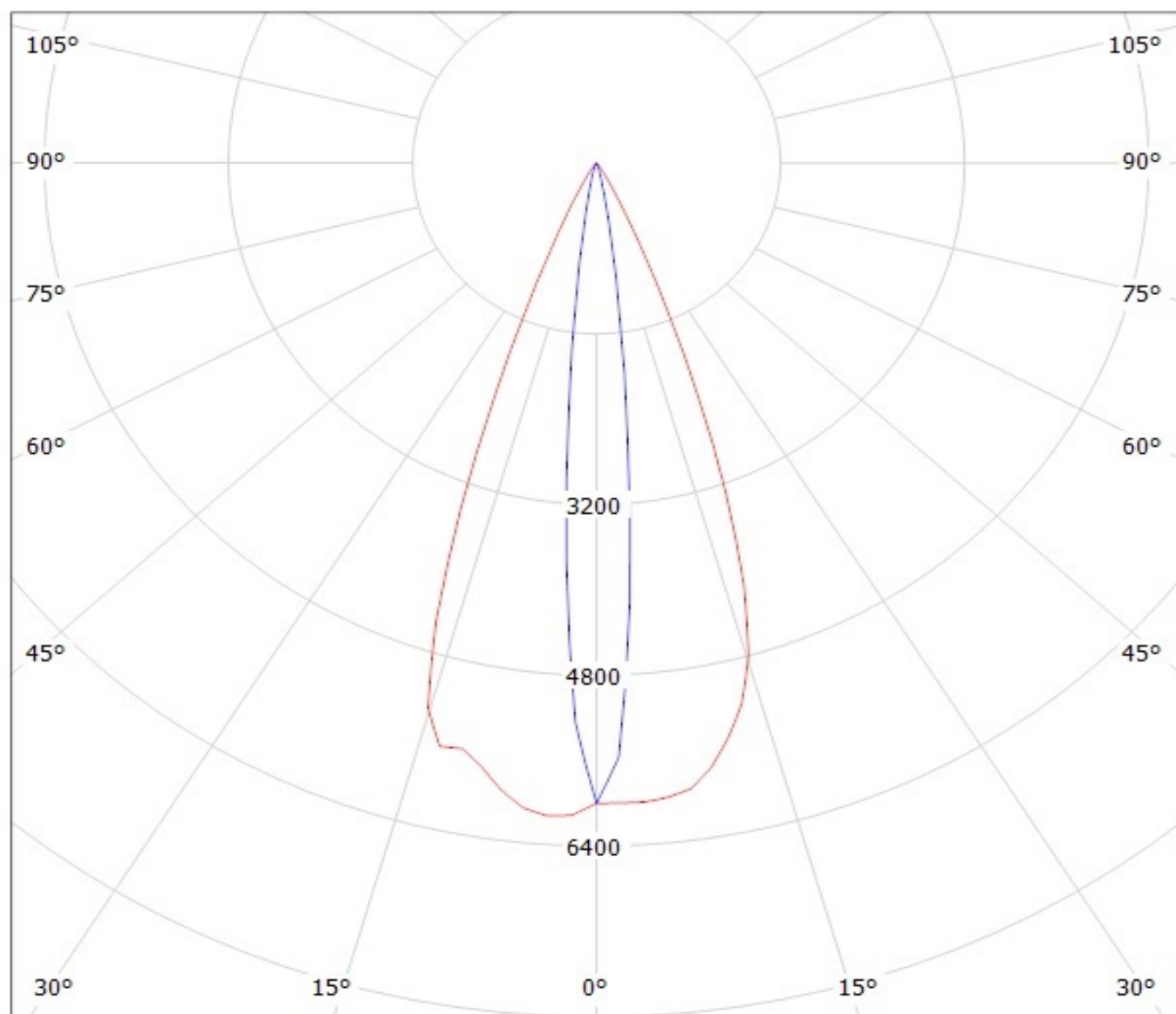
— C90 - C270

Ledil Oy CA12012_Laura-O-Pin-XP-G-tape / LDC (Polar)

Luminaire: Ledil Oy CA12012_Laura-O-Pin-XP-G-tape
Lamps: 1 x Cree XP-G 63,5lm 250mA Warm



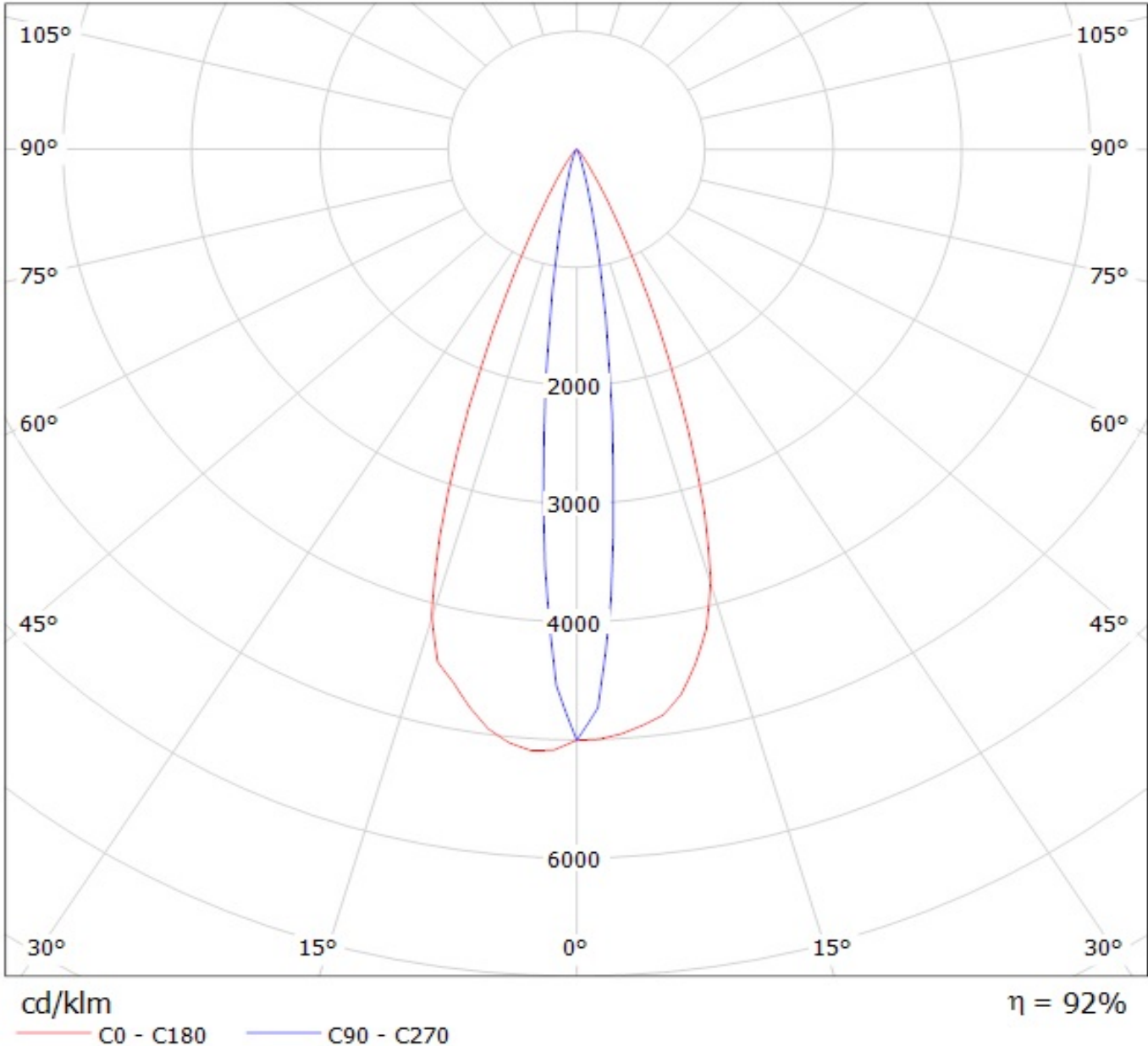
Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(XP-E2)
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



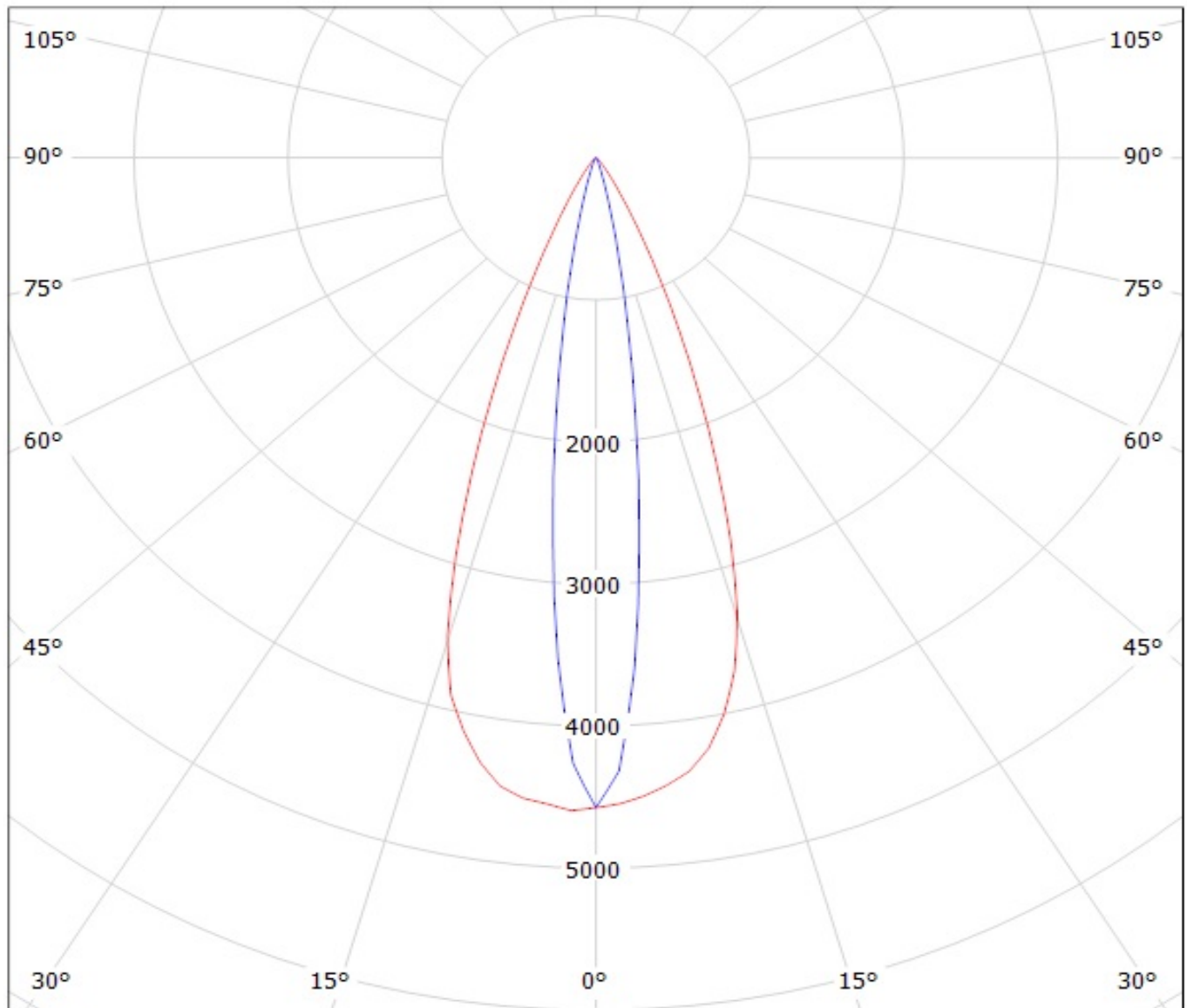
cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(NCSxx19B) Efficiency=90%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



Luminaire: LEDil Oy CA12012_LAURA-O-PIN_(Luxeon_Rebel_ES) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon Rebel ES (91.3lm @ 250mA) CCT=4100K P=0.8W 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.