PRODUCT DATASHEET
Laura series
last update 9/5/2014

DETAILS

Product Number	CP13308_LAURA-O-WAS-PG
Family	Laura
Type	Assembly
Color	white
Diameter	21,6 x 21,6 mm
Height	12,9 mm
Style	square
Optic Material	PMMA,PC
Holder Material	
Fastening	glue, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	9/05/2014

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-G	Asymmetric deg	Oval	84 %	2.600	-
XT-E	Asymmetric deg	Oval	83 %	2.500	-
XP-E	Asymmetric deg	Oval	84 %	3.000	-
XB-D	Asymmetric deg	Oval	83 %	2.500	-
XP-G2	asymmetric deg	Oval	83 %	2.900	-
LUXEON Rebel	Asymmetric deg	Oval	87 %	3.100	-
LUXEON A	Asymmetric deg	Oval	84 %	2.300	-
LUXEON Q	asymmetric deg	Oval	85 %	2.600	-
NCSxx19A	Asymmetric deg	Oval	83 %	2.500	-
NVSxx19A	Asymmetric deg	Oval	82 %	2.200	-
NCSxx19B	asymmetric deg	Oval	82 %	3.000	-
Oslon SSL 150	Asymmetric deg	Oval	84 %	3.100	-
Oslon SSL 80	Asymmetric deg	Oval	83 %	2.600	-
Oslon Square EC	Asymmetric deg	Oval	84 %	2.400	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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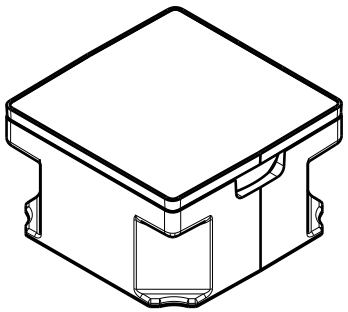
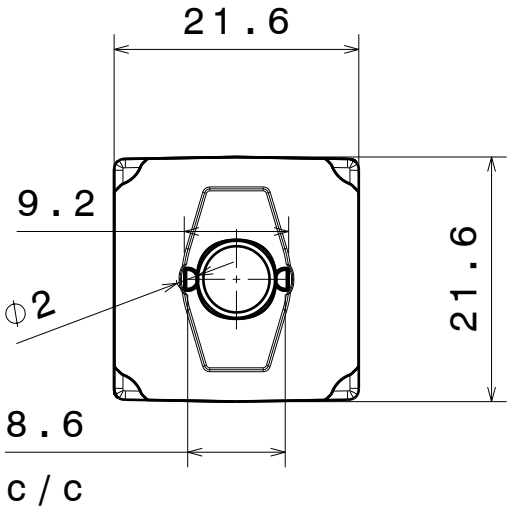
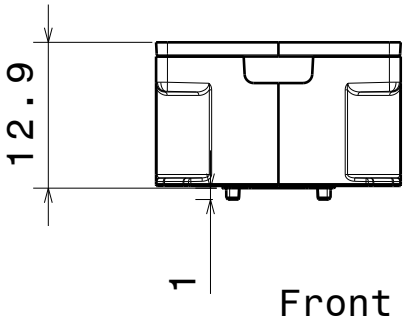
email: ledil@ledil.com
FAX: +358-2-733 8001



Isometric view



Bottom view



Front view

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

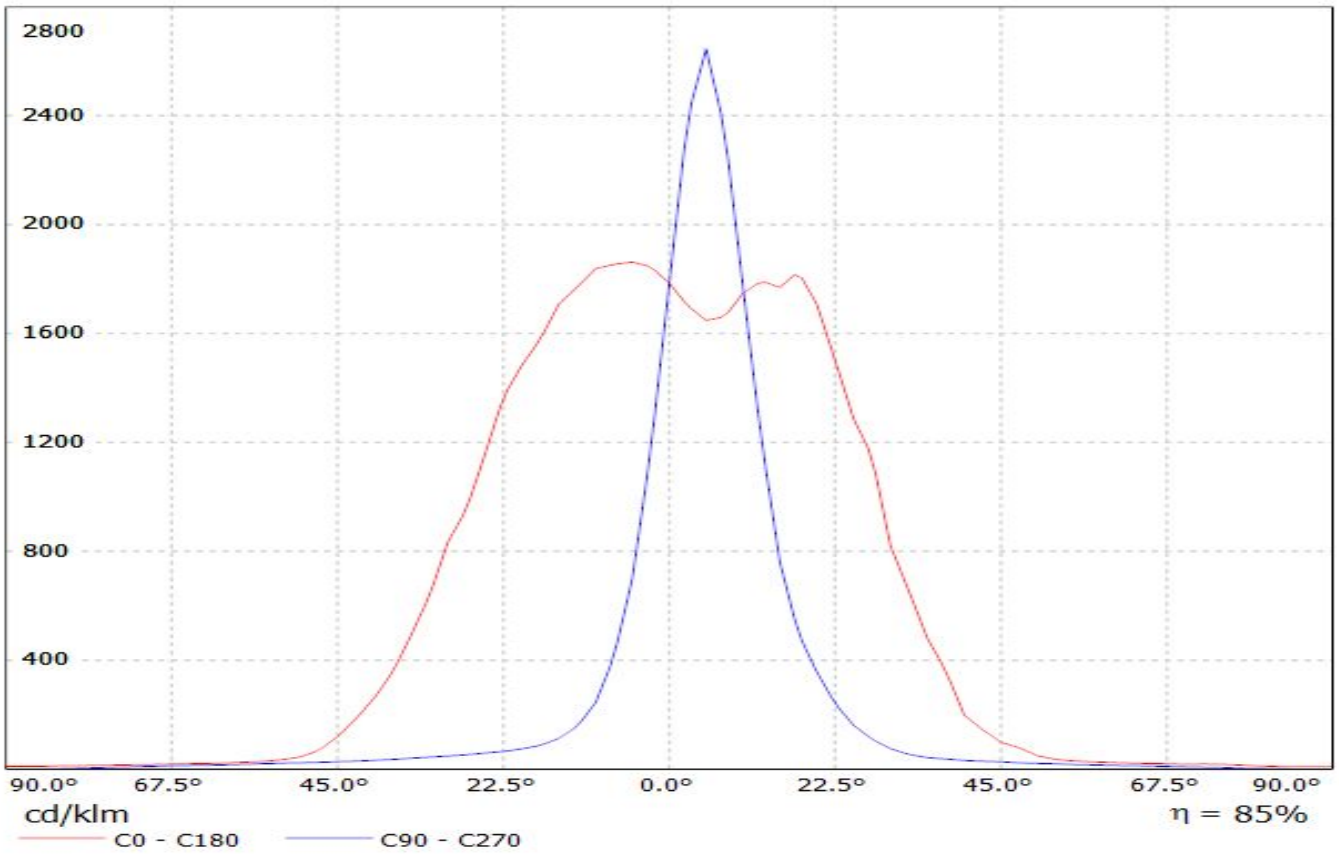
DRAWING TITLE

LAURA-WAS-PG

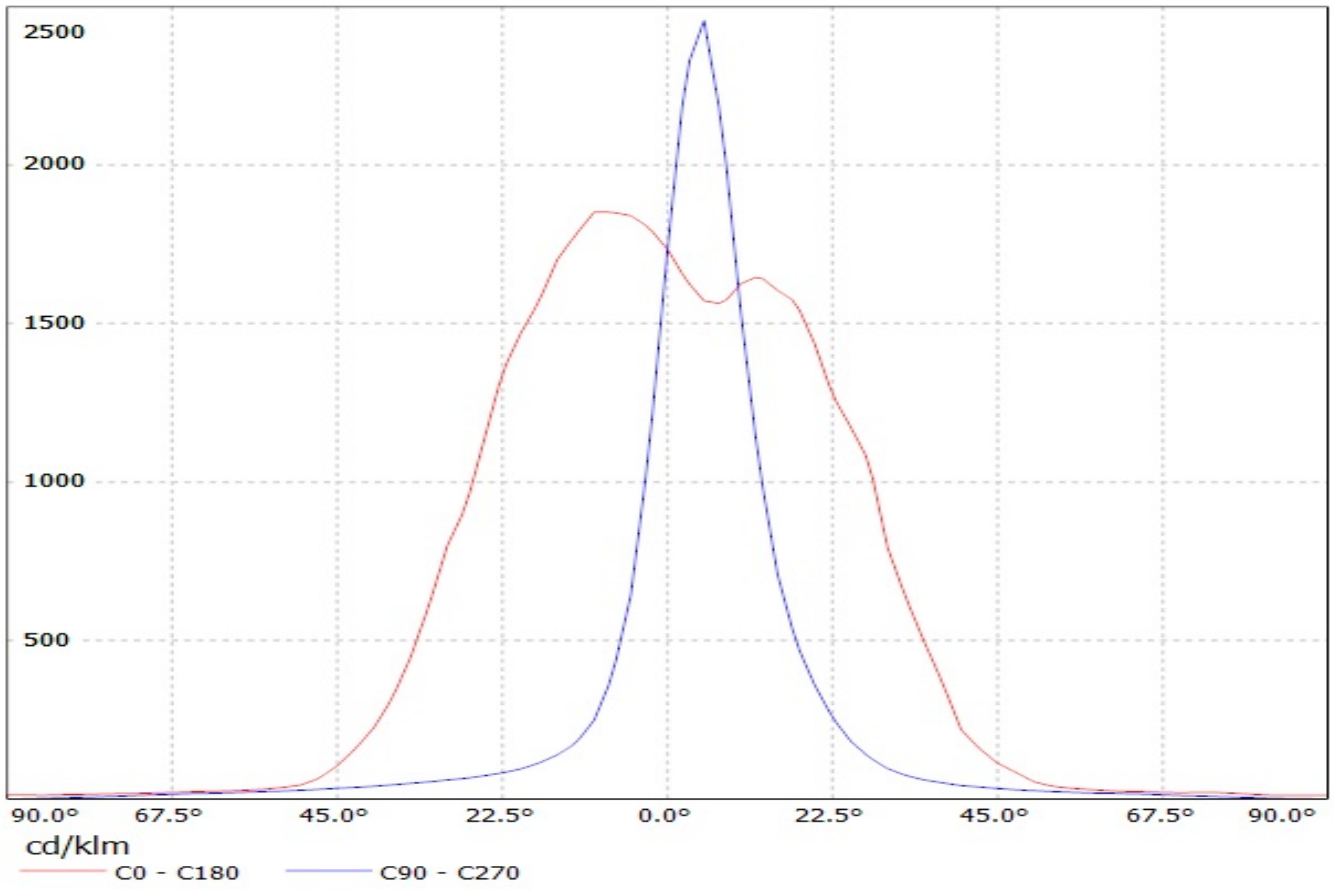
SIZE	PART NUMBER
A4	-

SCALE	WEIGHT		SHEET
3:2	-		1/1

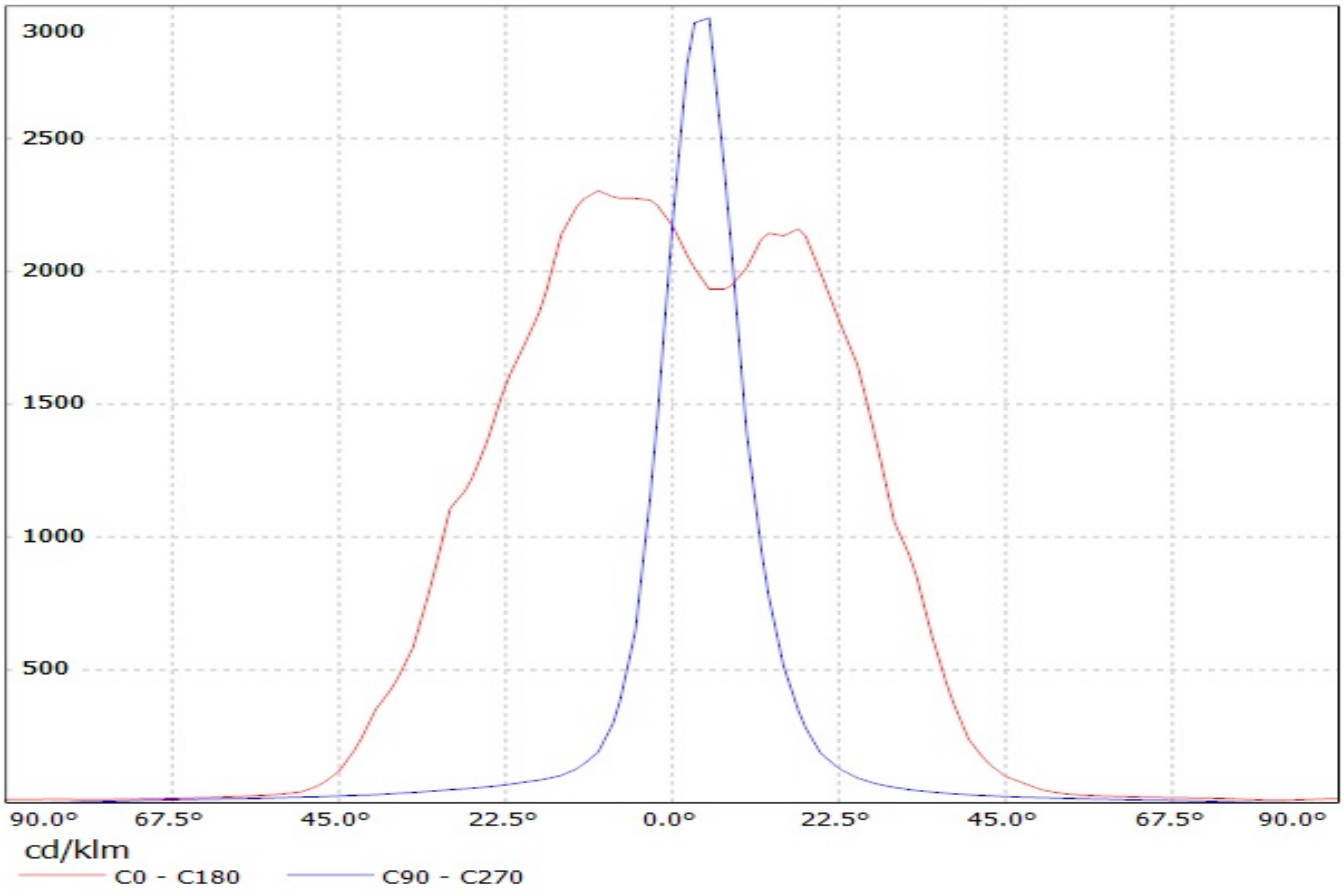
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS Eff. 84%
Lamps: 1 x Cree XP-G 70lm@250mA



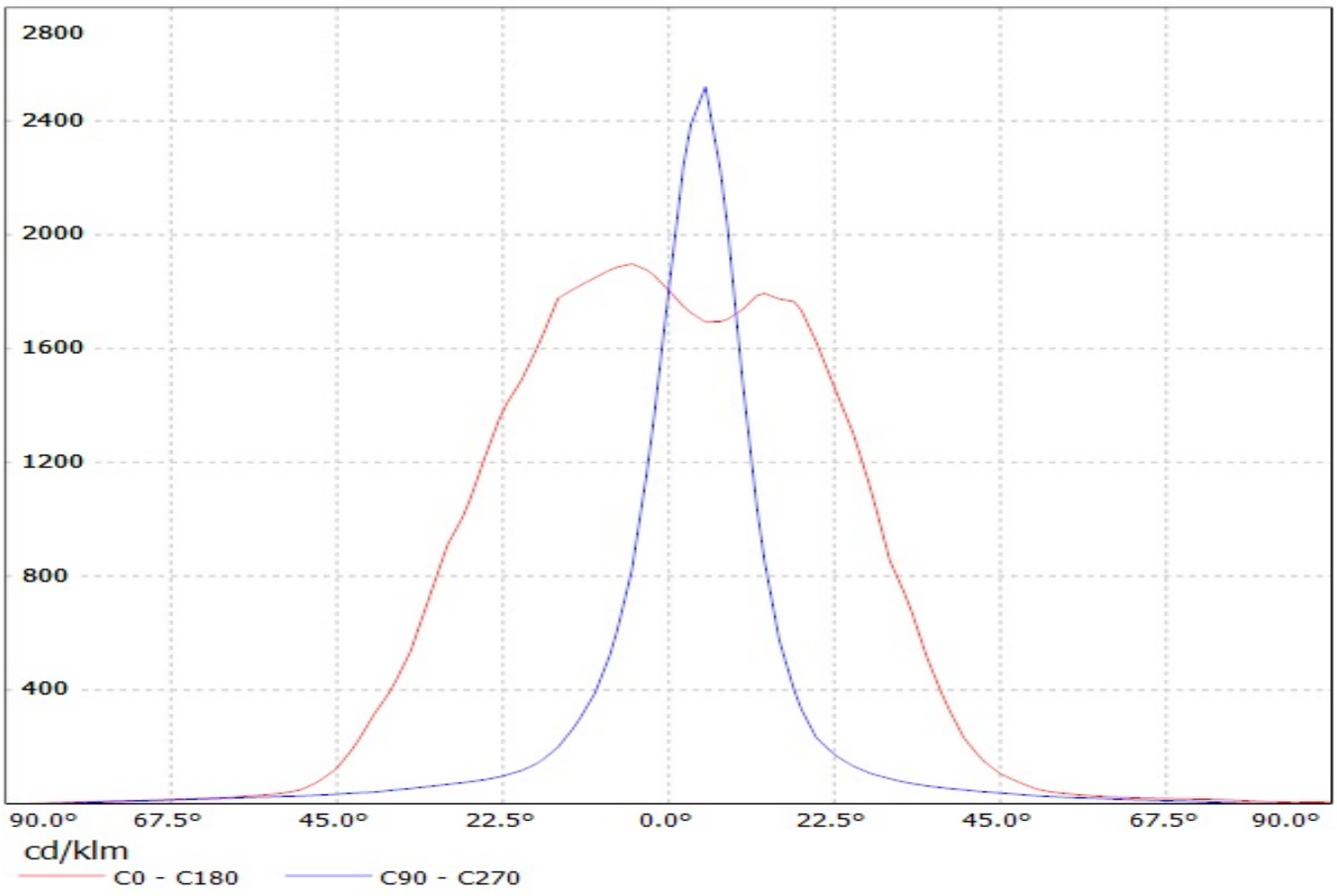
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Cree XT-E 100lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree XT-E 100lm @ 250mA



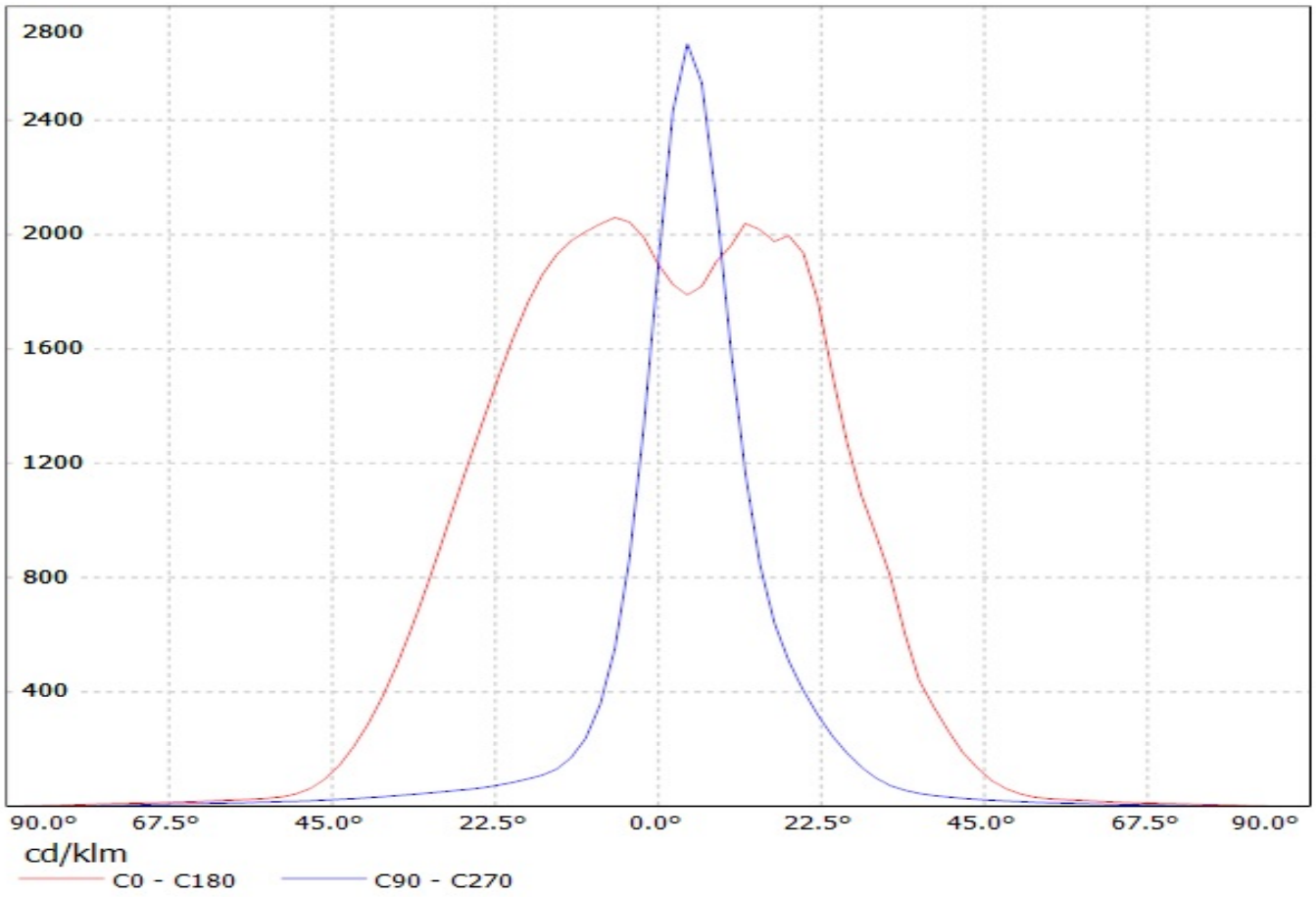
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Cree XP-E 70lm @ 250mA) Efficiency=84%
Lamps: 1 x Cree XP-E 70lm @ 250mA



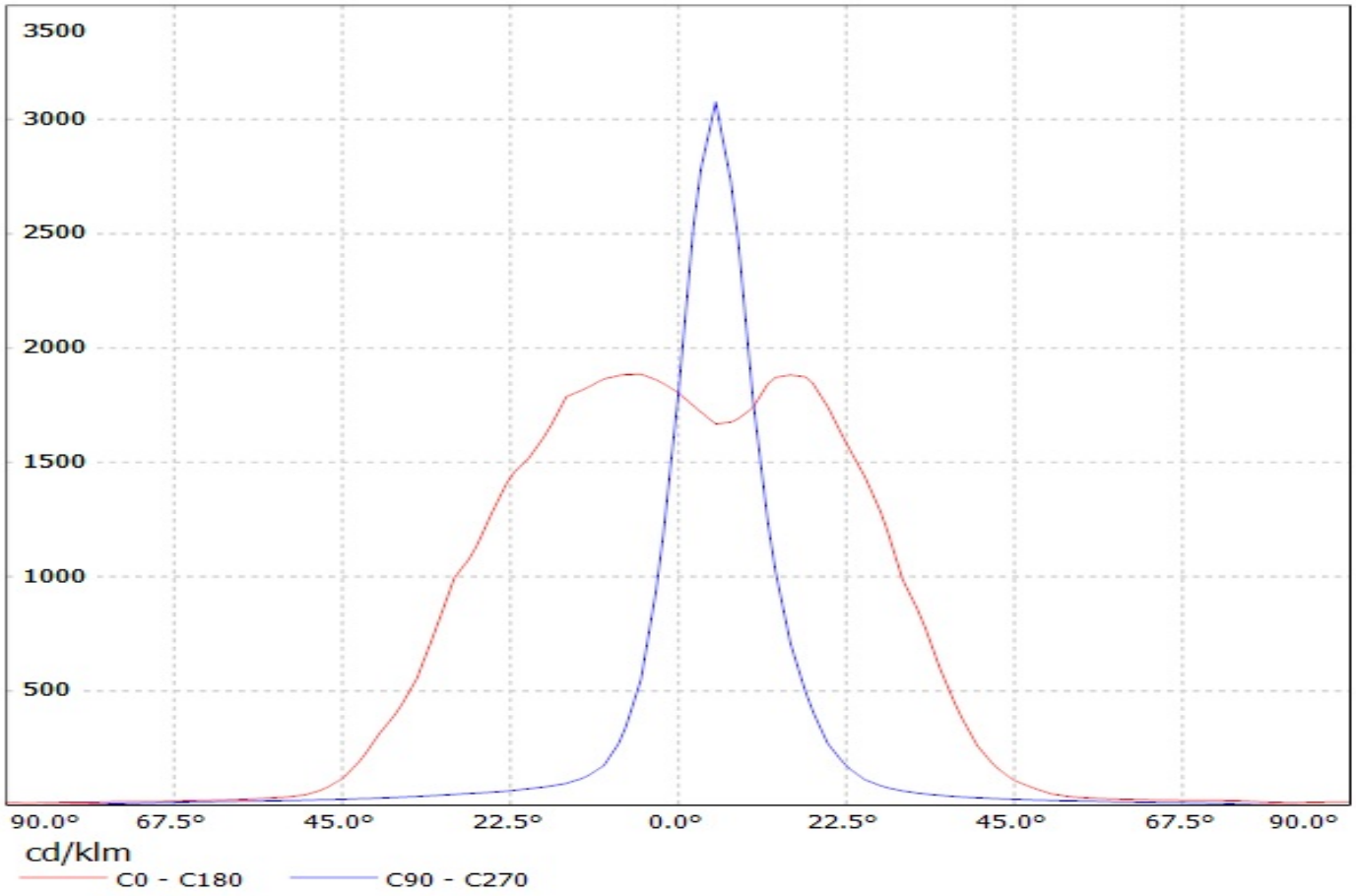
Luminaire: Ledil Oy CP13311&CA13312_LAURA-SS-WAS (Cree XB-D 94lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree XB-D 94lm @ 250mA



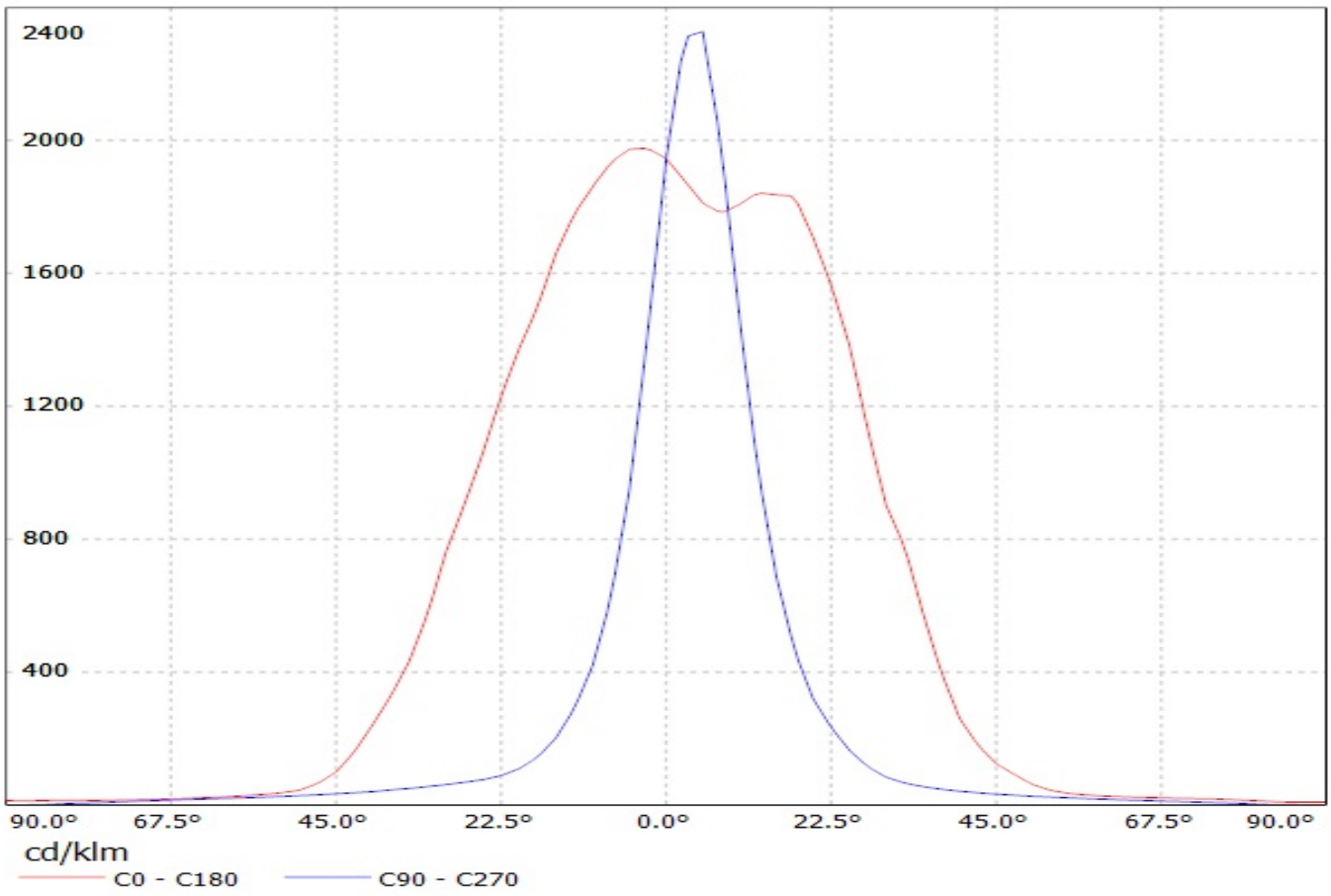
Luminaire: LEDil Oy CA13307_LAURA-O-WAS-PIN_(XP-G2) Efficiency=83%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00FE4) 101lm @ 250mA CCT=6600K P=0.7W I=250mA



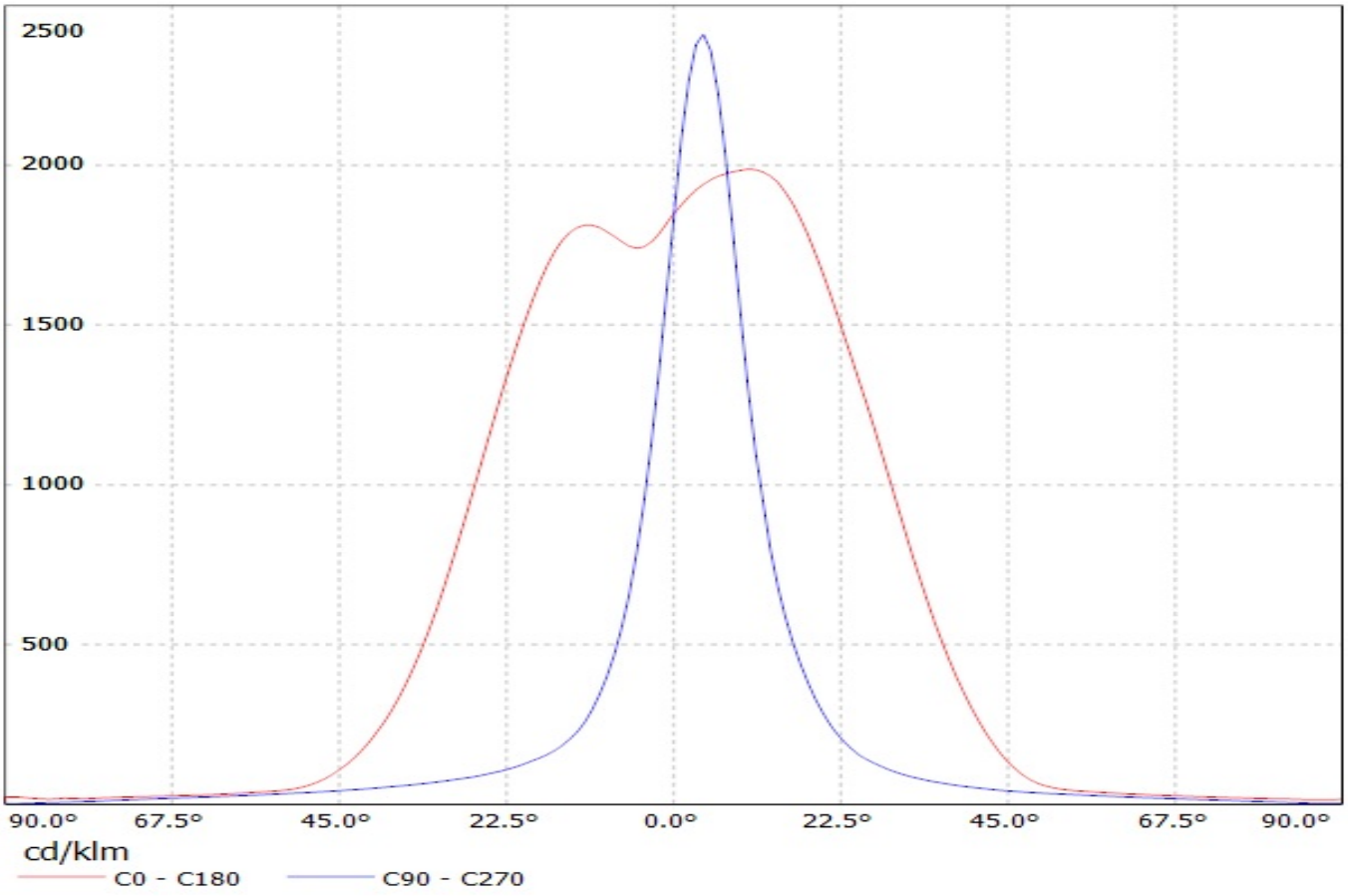
Luminaire: Ledil Oy CP13308_LAURA-O-WAS (Luxeon Rebel 80lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon Rebel 80lm @ 250mA



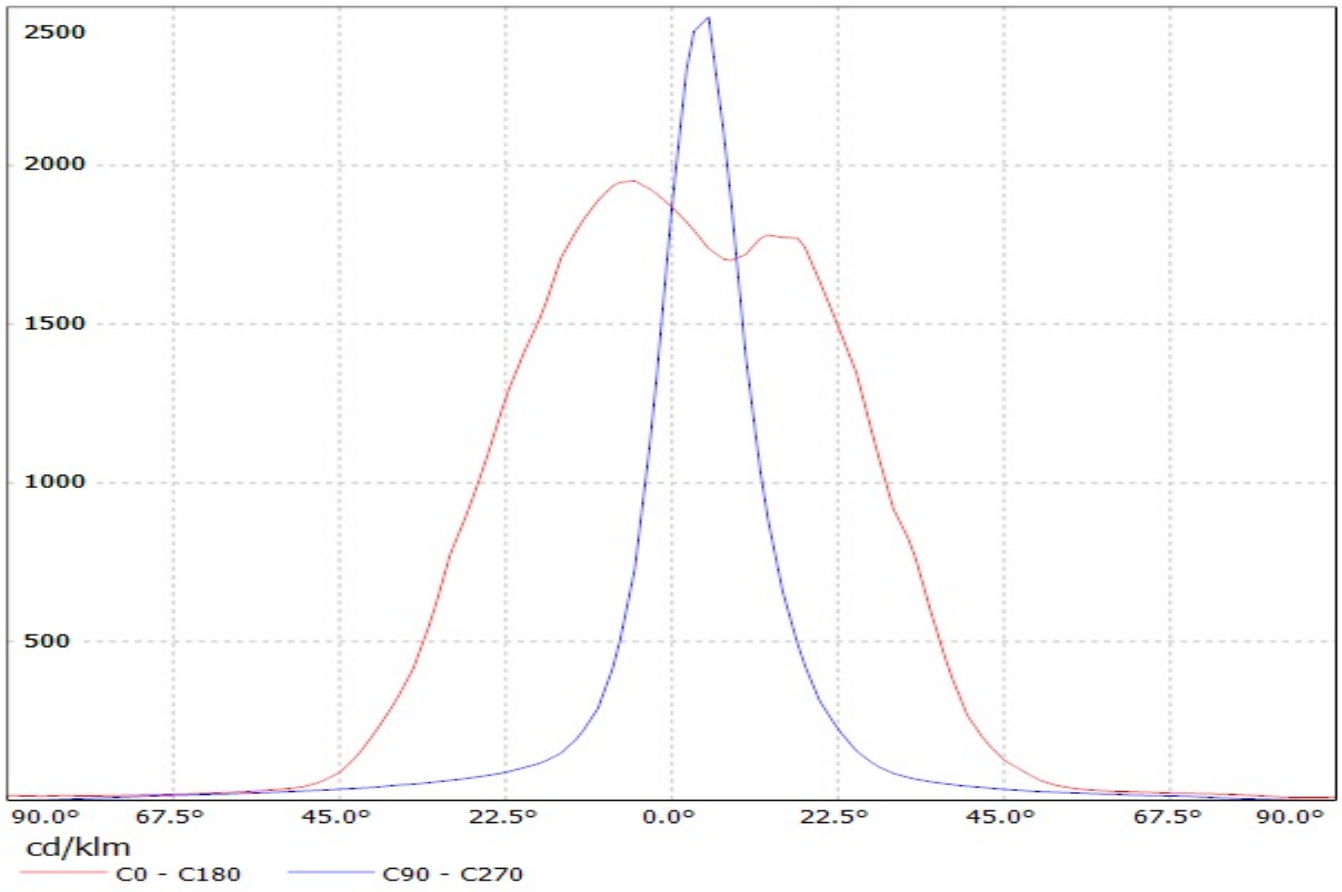
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Luxeon A 64lm @ 250mA) Efficiency=84%
Lamps: 1 x Luxeon A 64lm @ 250mA



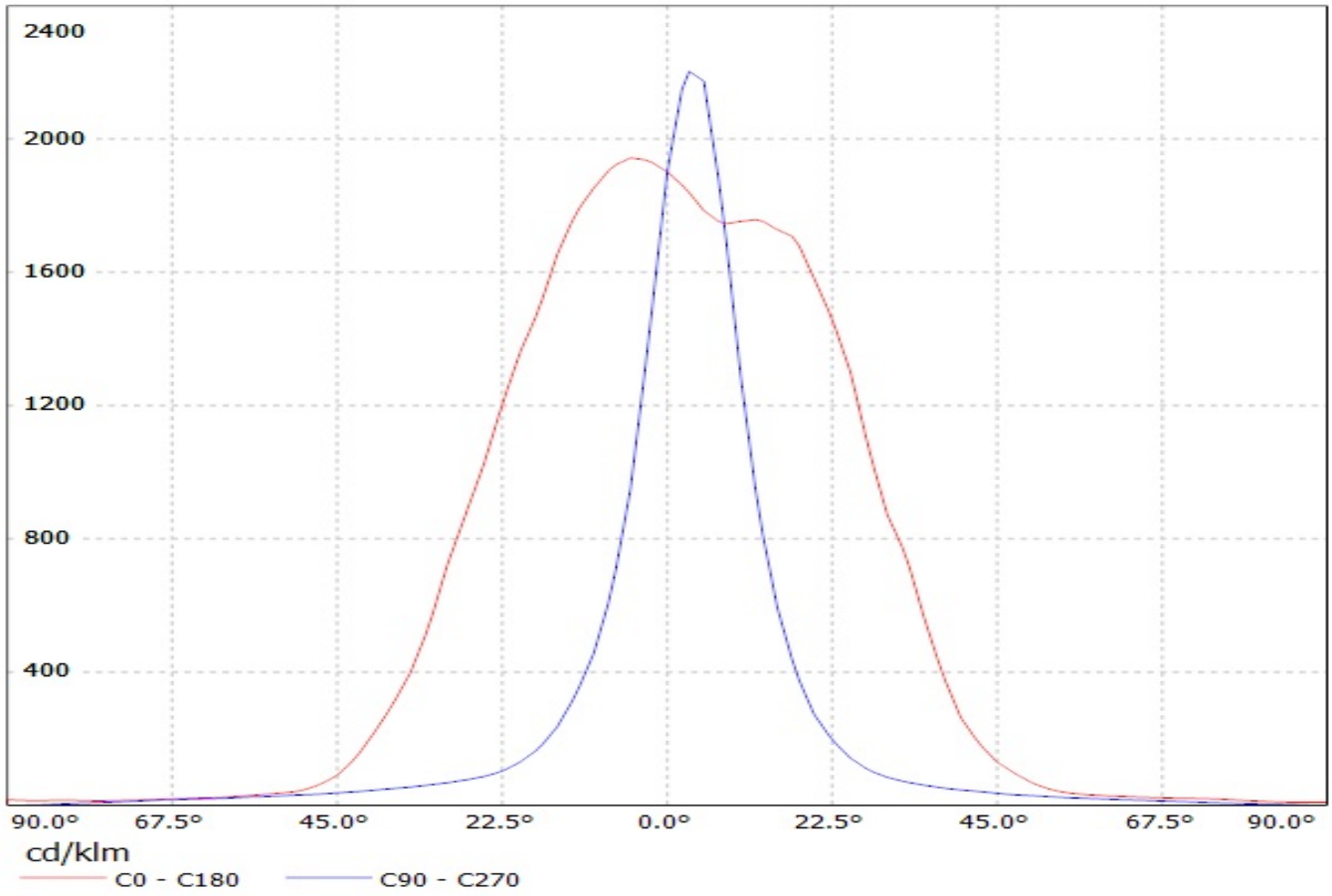
Luminaire: LEDiL Oy CP13308_LAURA-O-WAS-PG_(LUXEON_Q) Eff: 85%
Lamps: 1 x LUXEON_Q_(LHQ-3080)_76.0112lm@250mA_P=0.753249W_I=249.9mA



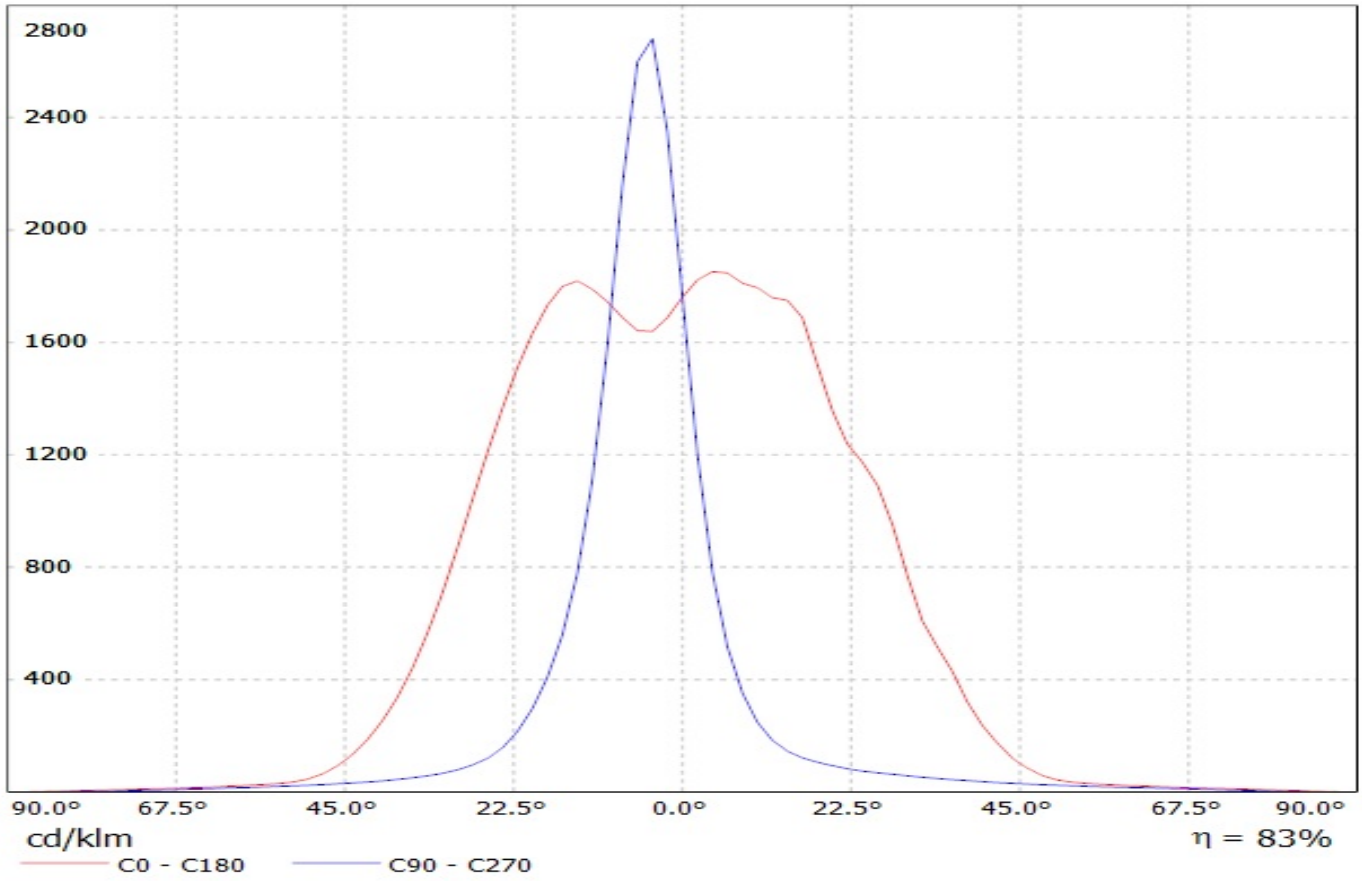
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Nichia NCS19 95lm @ 250mA) Efficiency=83%
Lamps: 1 x Nichia NCS19 95lm @ 250mA



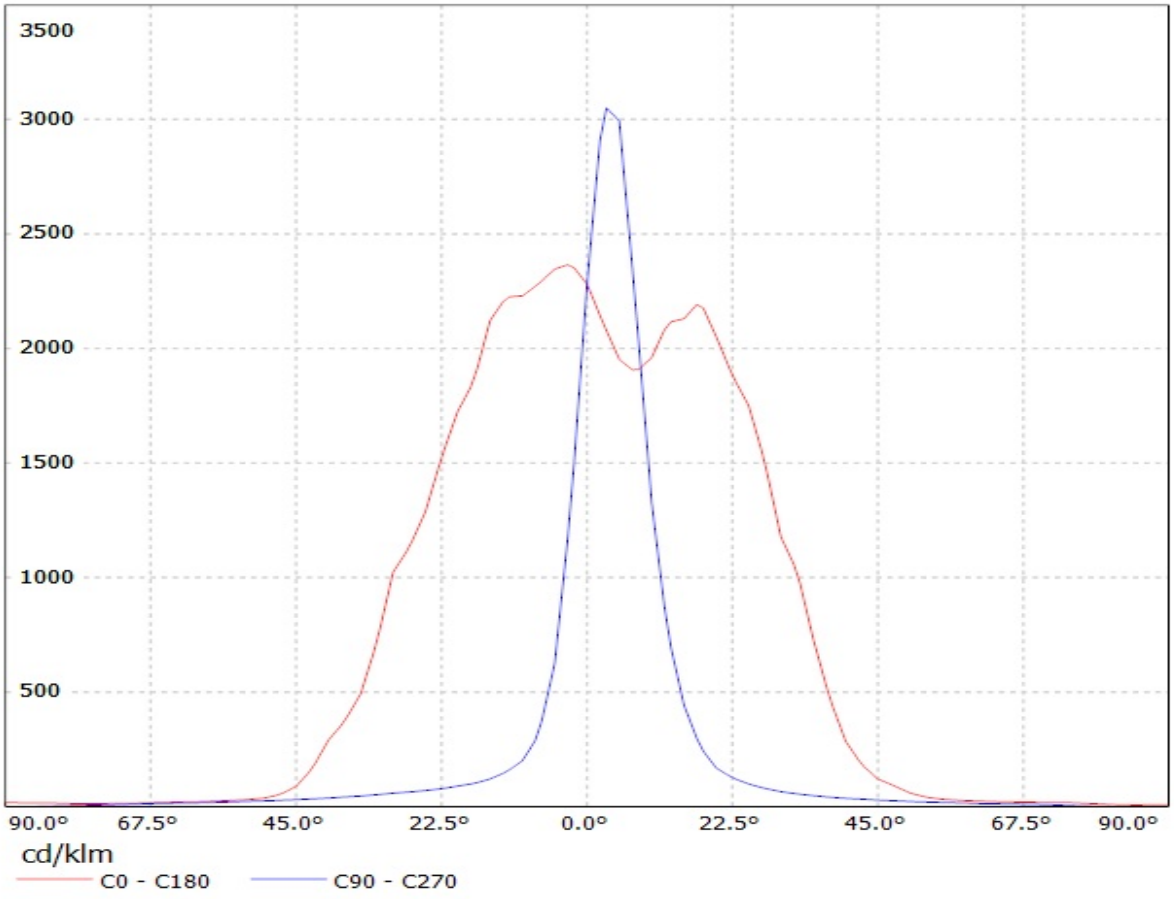
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Nichia NVS19lm @ 250mA) Efficiency=82%
Lamps: 1 x Nichia NVS19lm @ 250mA



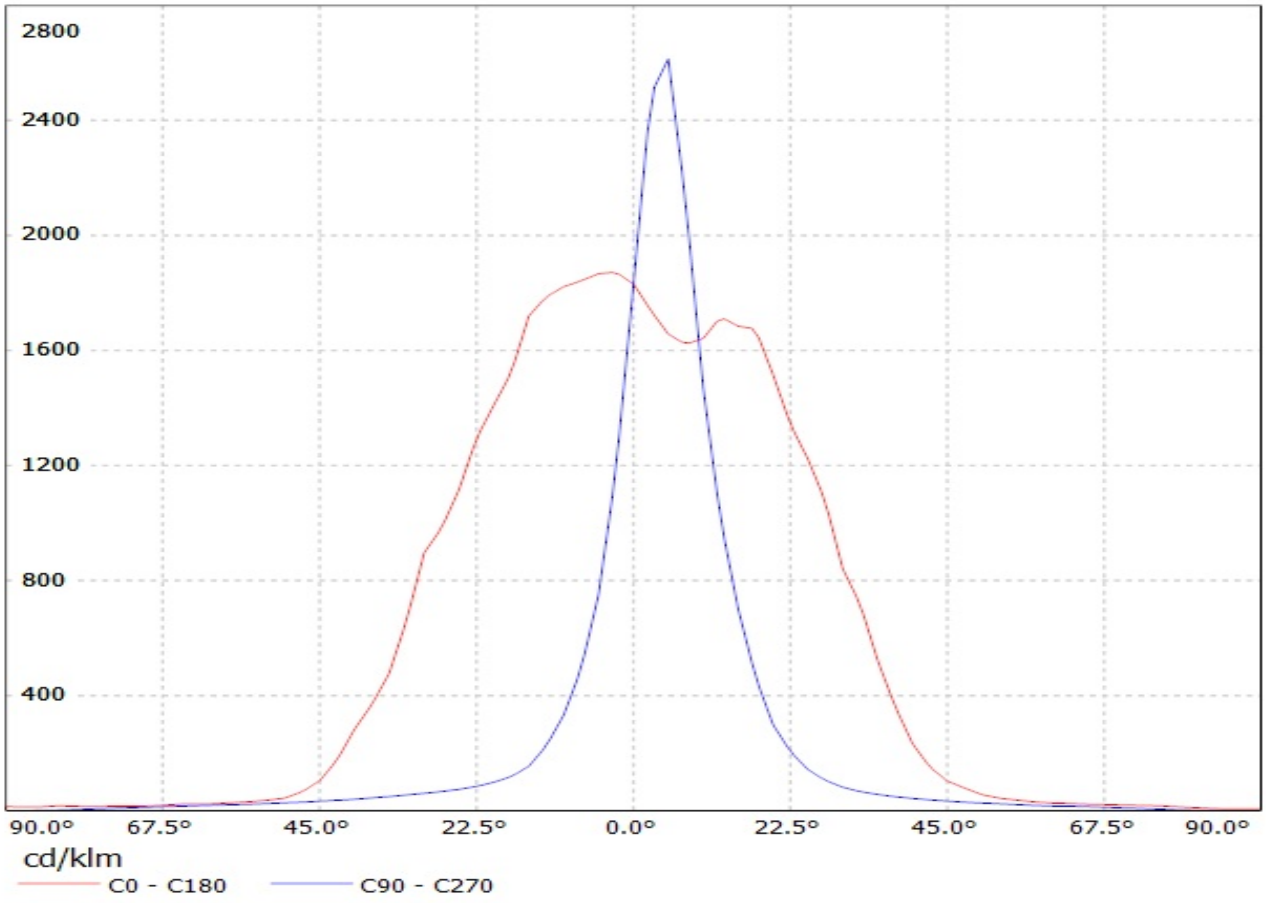
Luminaire: LEDil Oy CP13308_LAURA-O-WAS-PG_(NCSxx19B) Efficiency=82%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA



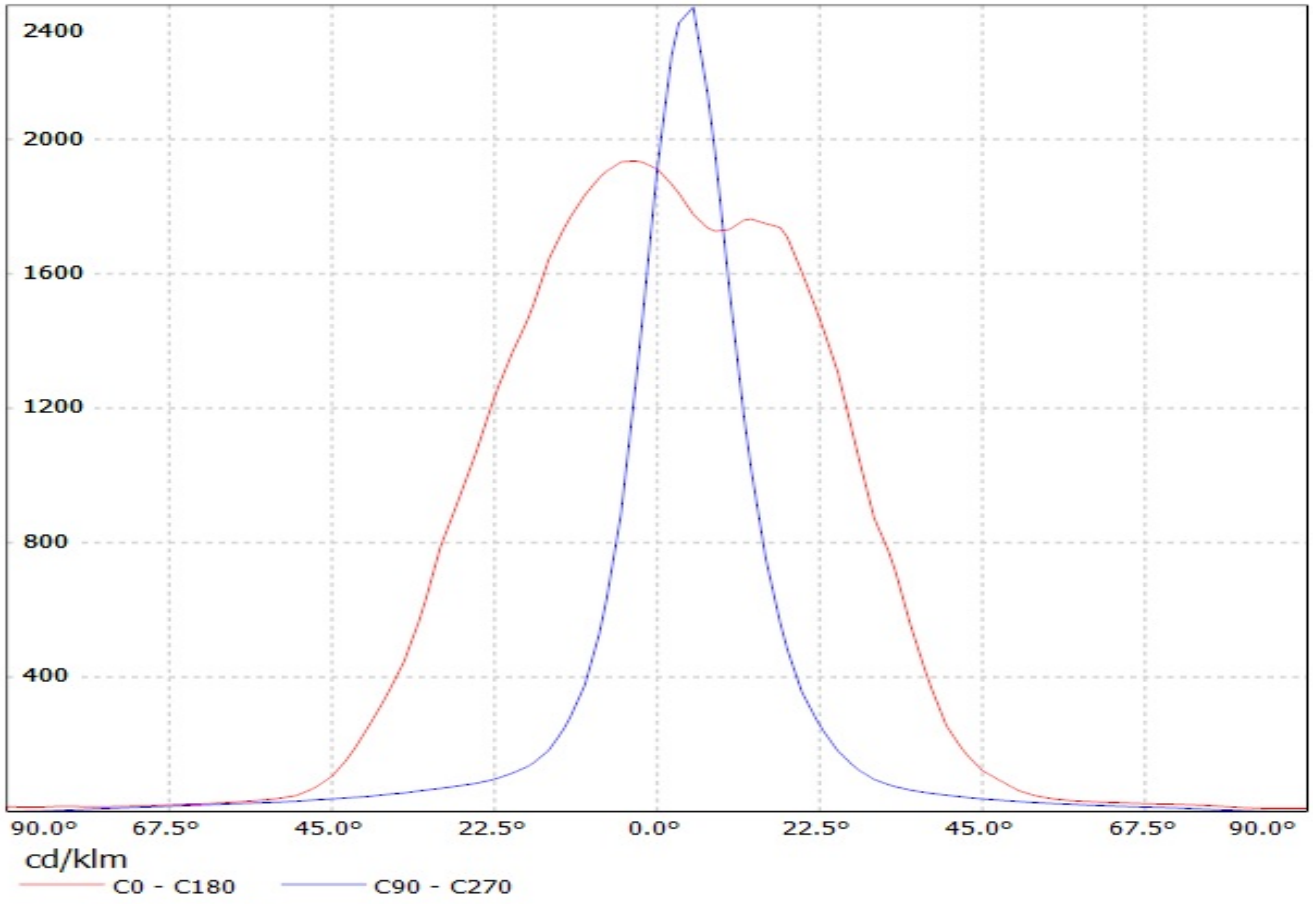
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS-OSL150 (Osram oslon 150deg 95lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram oslon 150deg 95lm @ 250mA



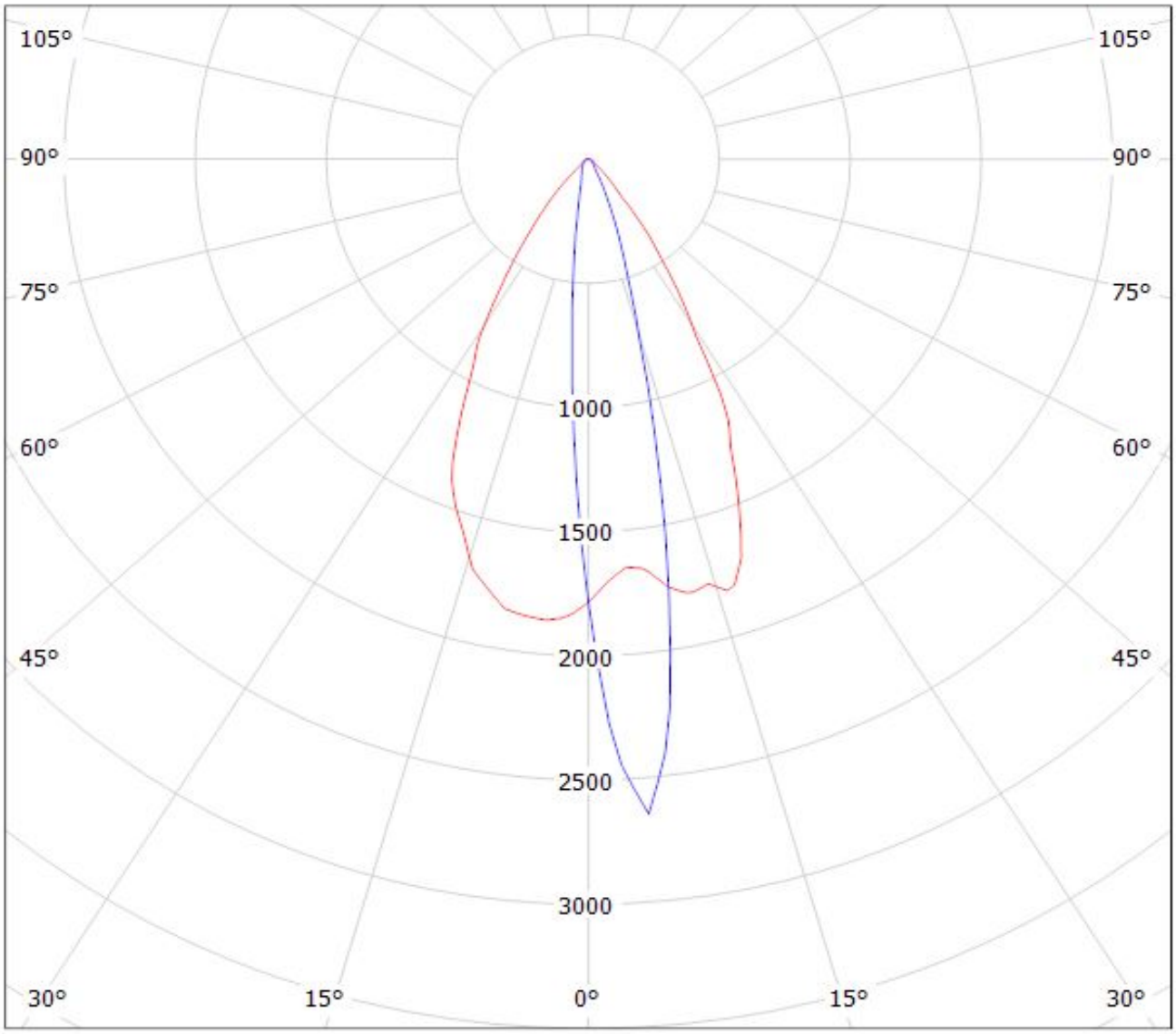
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Osram Oslon 80deg 79lm @ 250mA) Efficiency=83%
Lamps: 1 x Osram Oslon 80deg 79lm @ 250mA



Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Osram Square EC 53lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 53lm @ 250mA



Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS Eff. 84%
Lamps: 1 x Cree XP-G 70lm@250mA

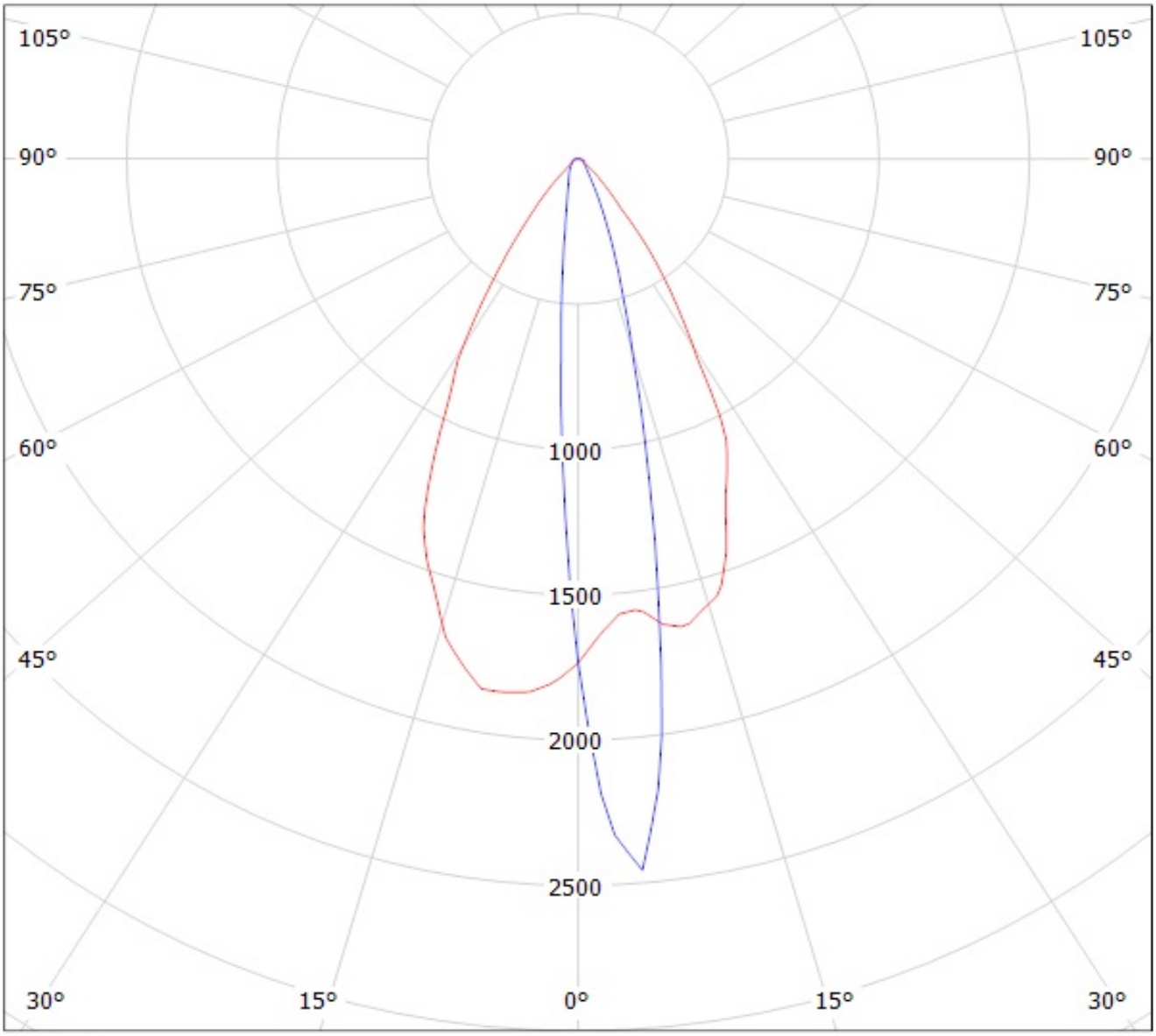


cd/klm

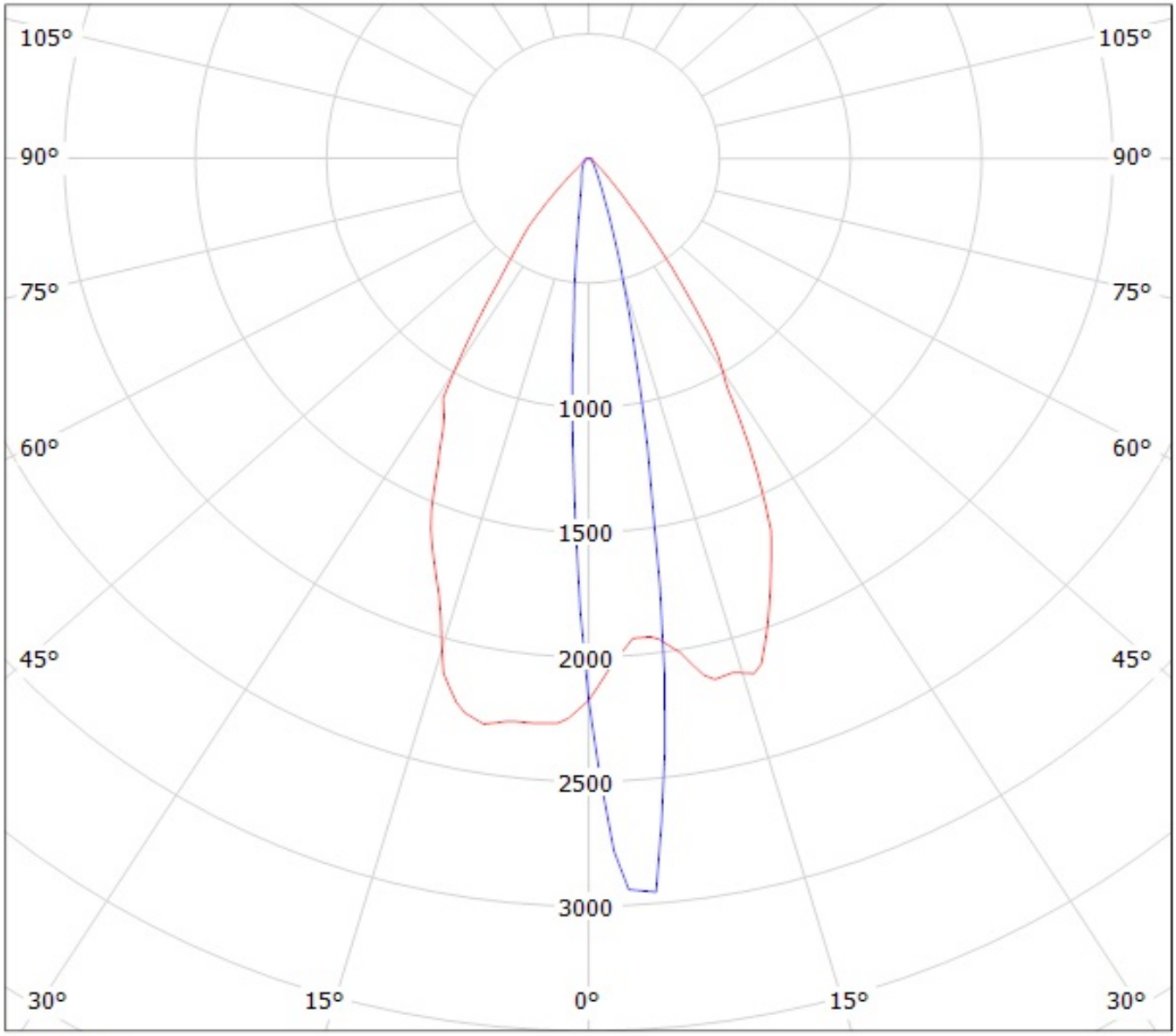
η = 85%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Cree XT-E 100lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree XT-E 100lm @ 250mA



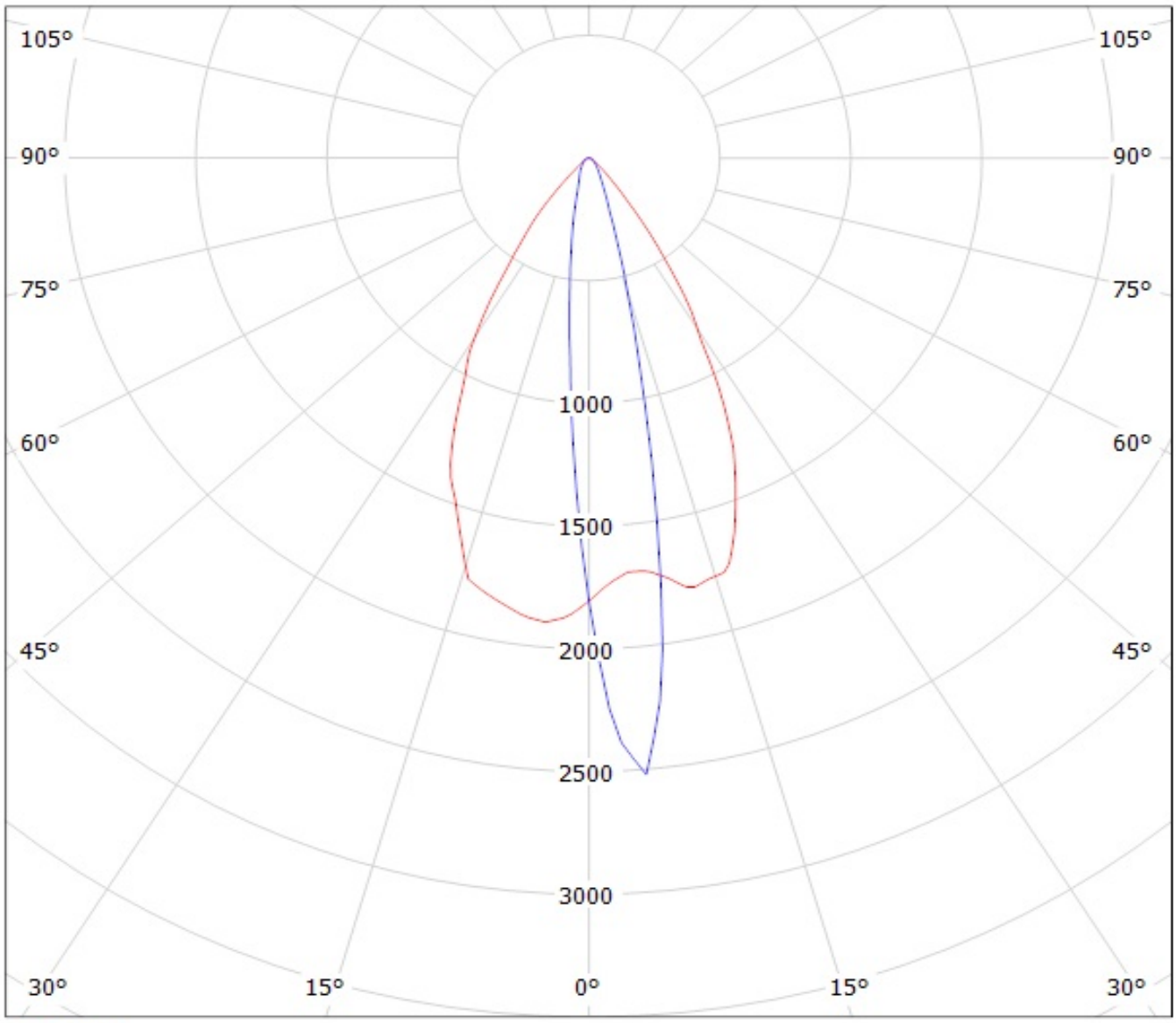
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Cree XP-E 70lm @ 250mA) Efficiency=84%
Lamps: 1 x Cree XP-E 70lm @ 250mA



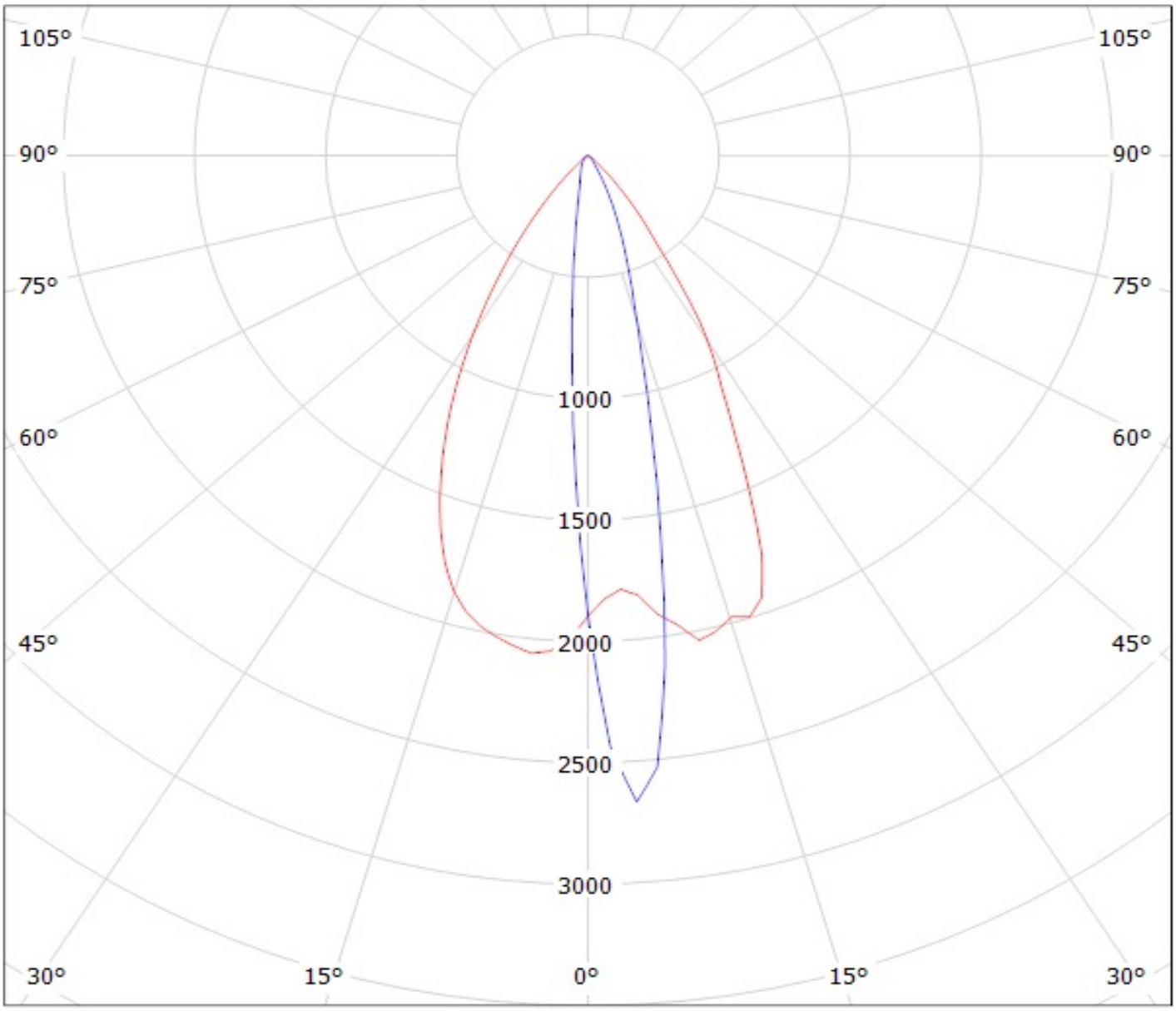
cd/klm

C0 - C180 C90 - C270

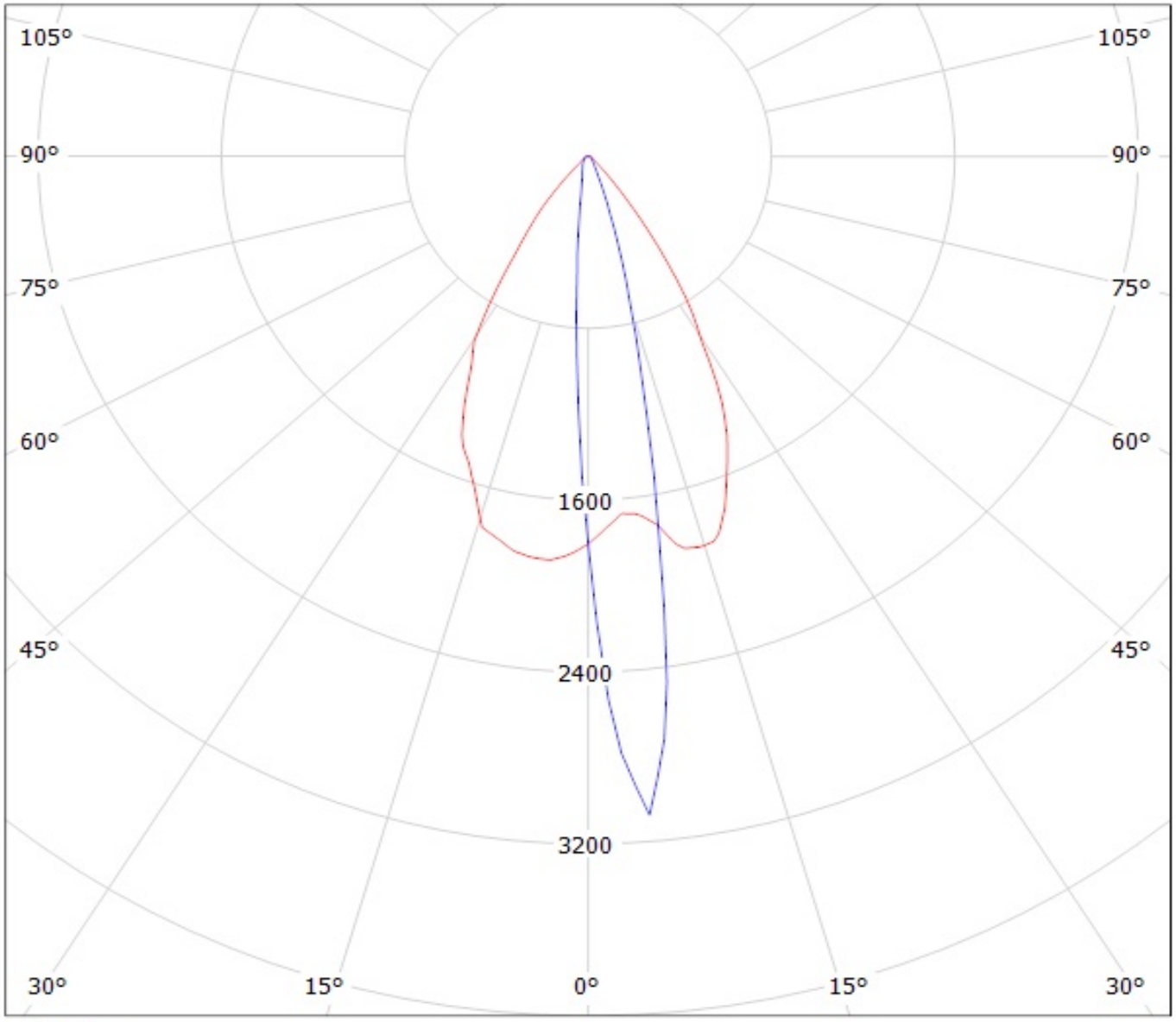
Luminaire: Ledil Oy CP13311&CA13312_LAURA-SS-WAS (Cree XB-D 94lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree XB-D 94lm @ 250mA



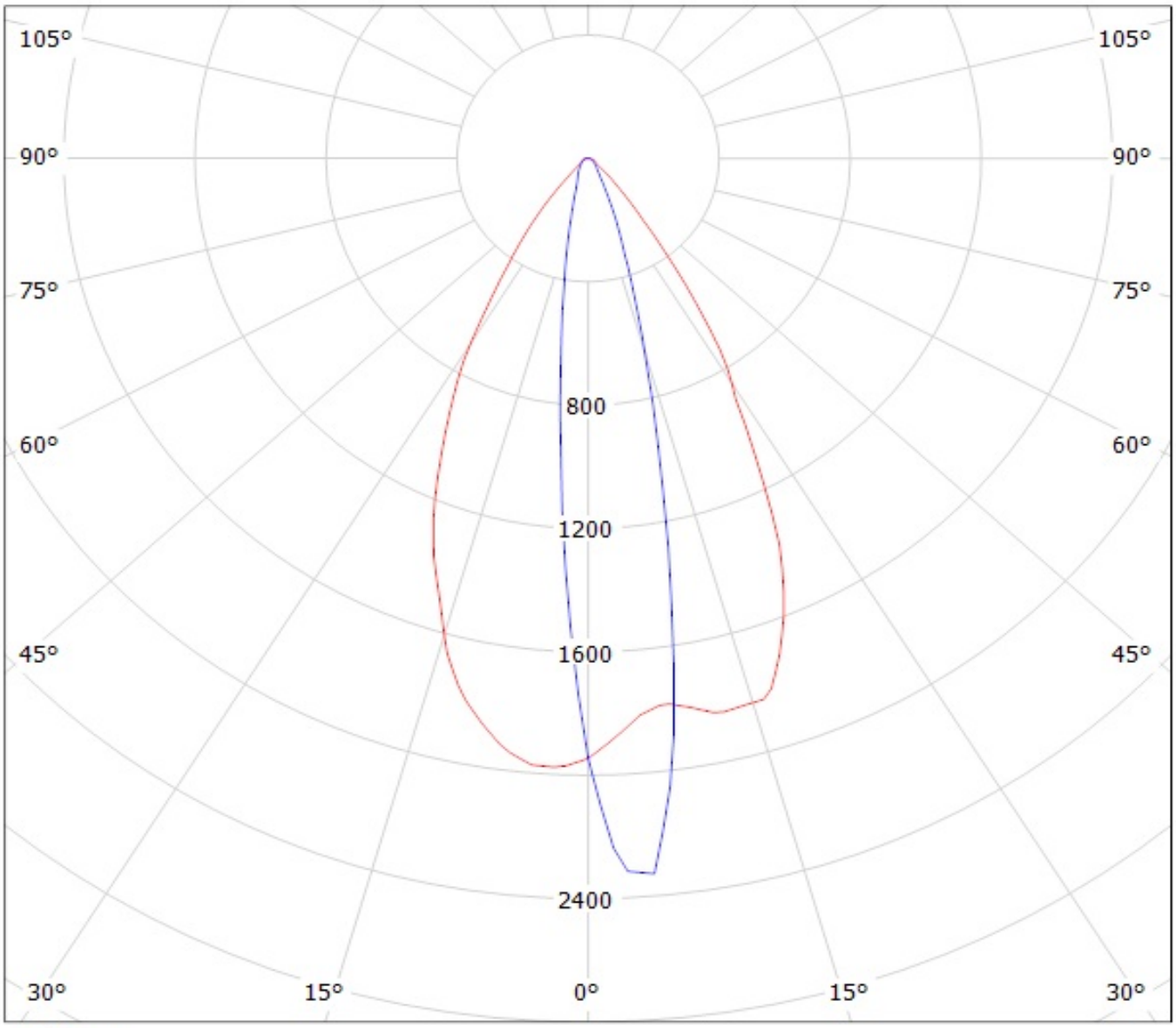
Luminaire: LEDil Oy CA13307_LAURA-O-WAS-PIN_(XP-G2) Efficiency=83%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00FE4) 101lm @ 250mA CCT=6600K P=0.7W I=250mA



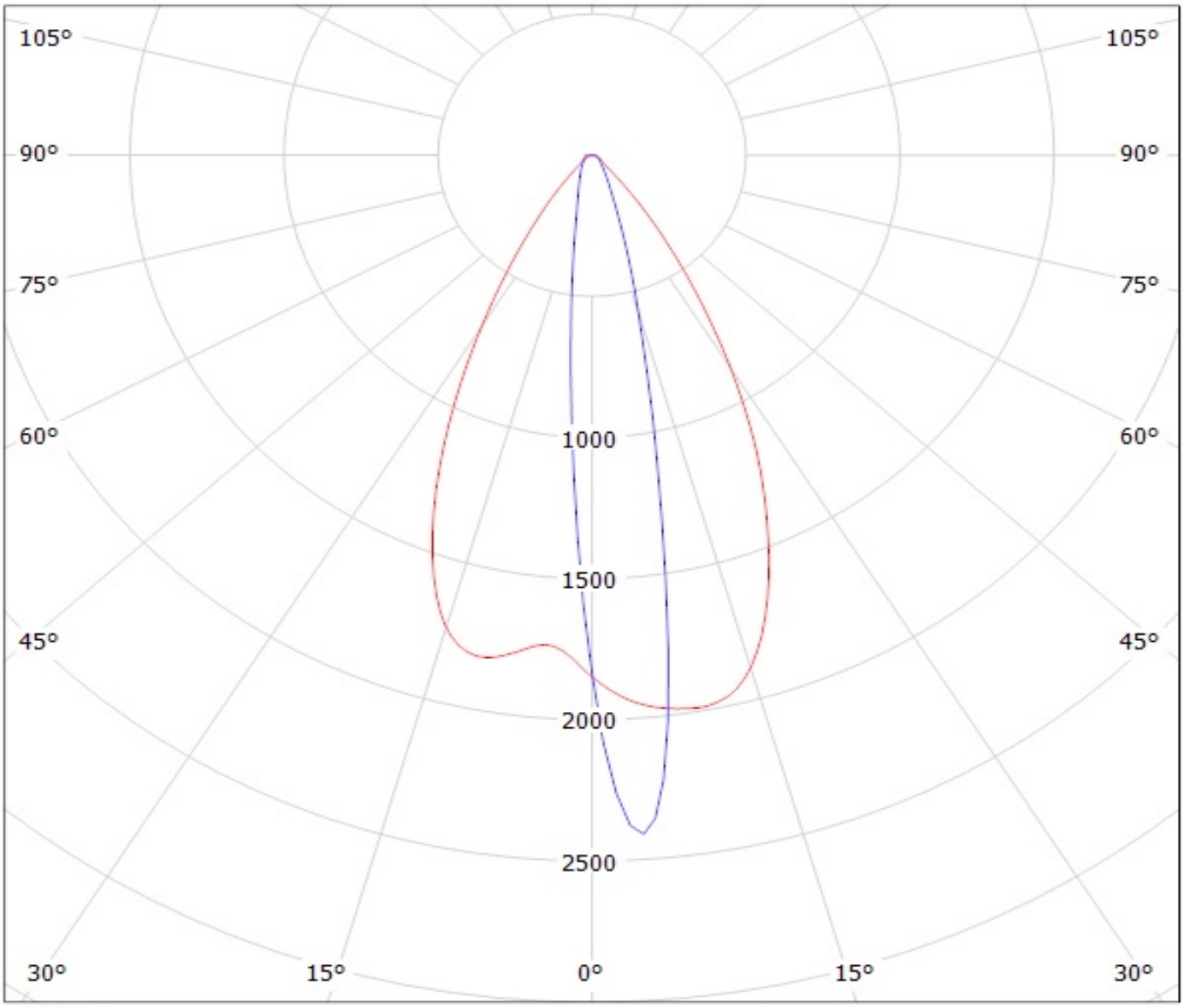
Luminaire: Ledil Oy CP13308_LAURA-O-WAS (Luxeon Rebel 80lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon Rebel 80lm @ 250mA



Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Luxeon A 64lm @ 250mA) Efficiency=84%
Lamps: 1 x Luxeon A 64lm @ 250mA



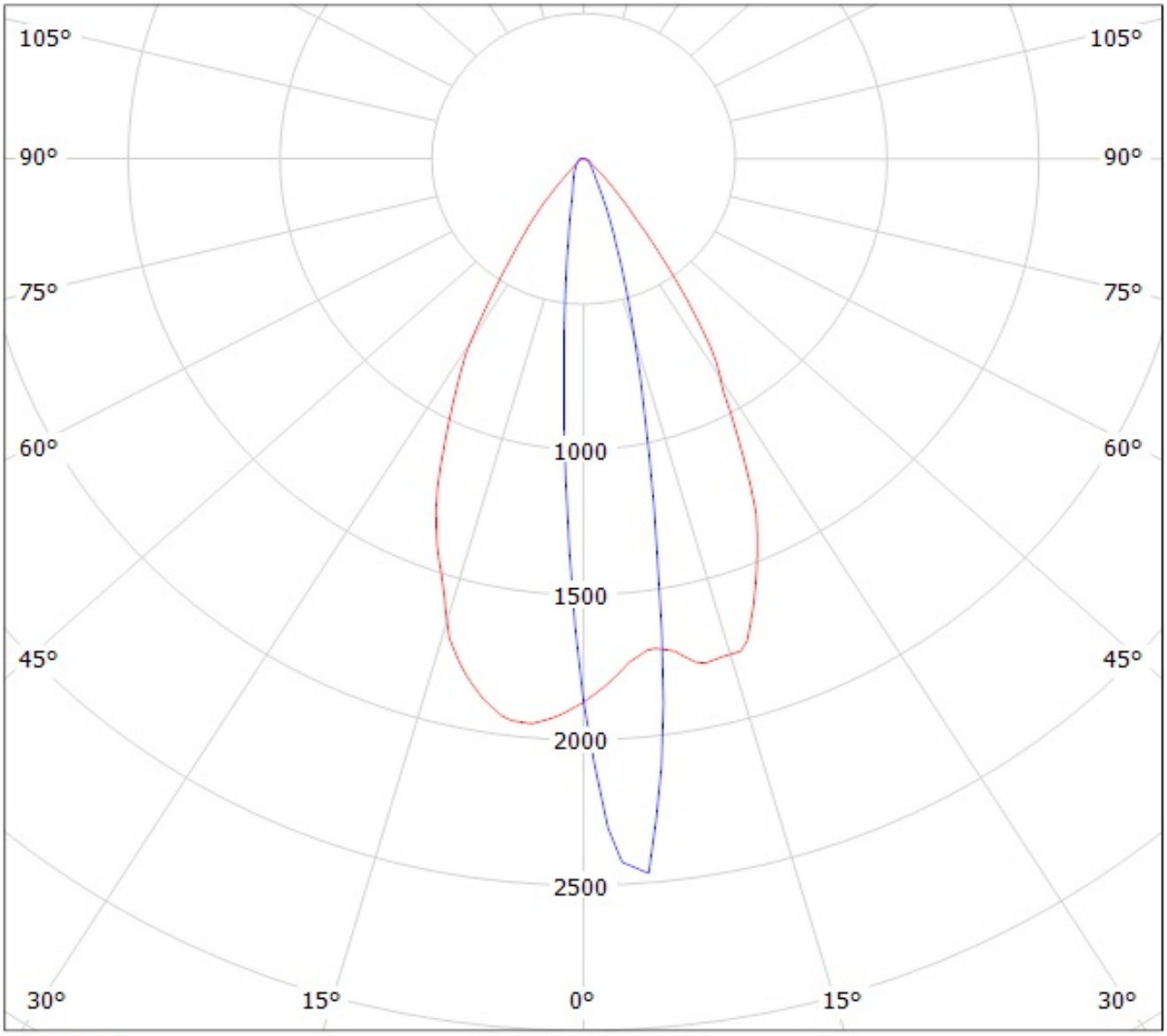
Luminaire: LEDiL Oy CP13308_LAURA-O-WAS-PG_(LUXEON_Q) Eff: 85%
Lamps: 1 x LUXEON_Q_(LHQ-3080)_76.0112lm@250mA_P=0.753249W_I=249.9mA



cd/klm

C0 - C180 C90 - C270

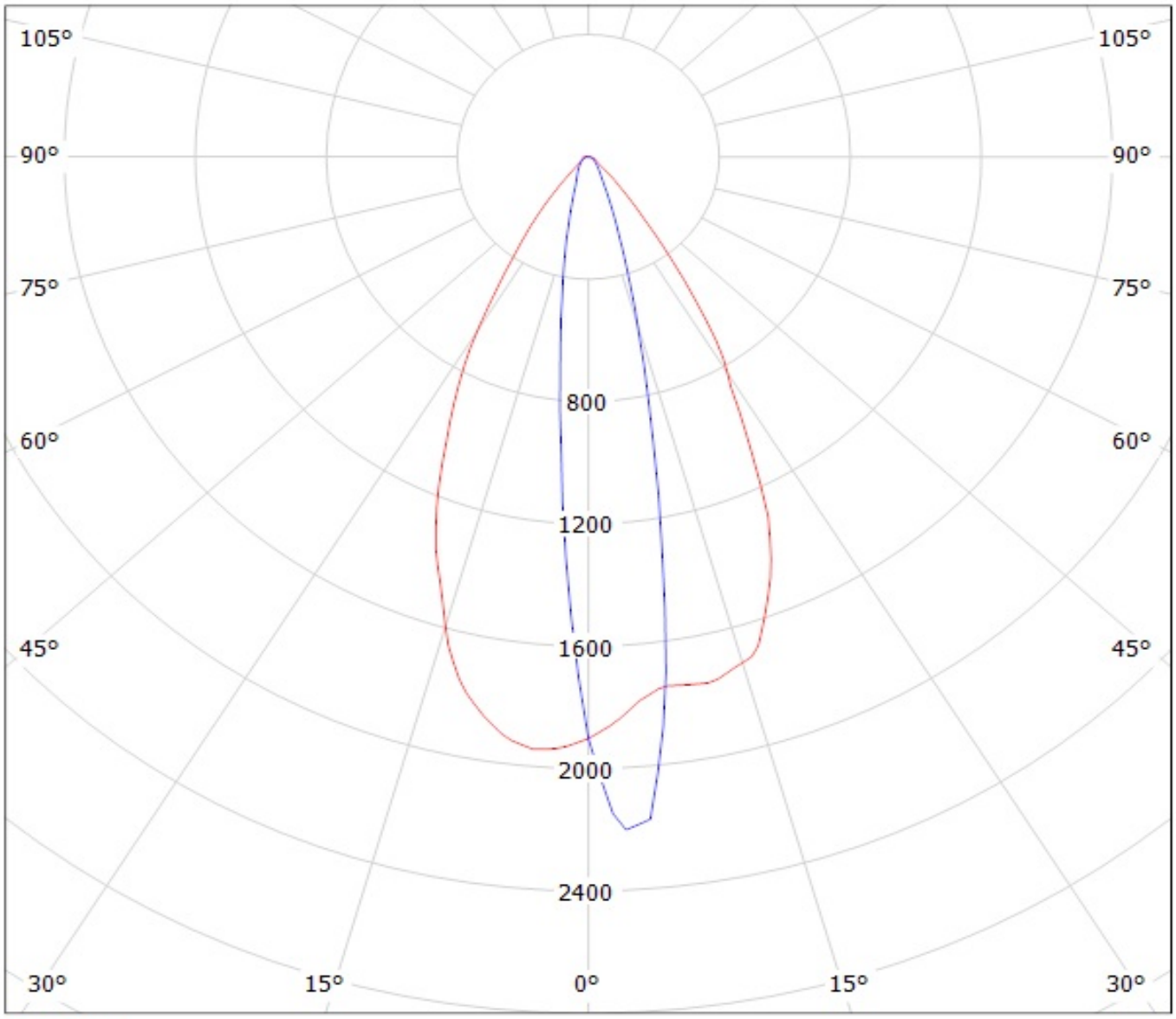
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Nichia NCS19 95lm @ 250mA) Efficiency=83%
Lamps: 1 x Nichia NCS19 95lm @ 250mA



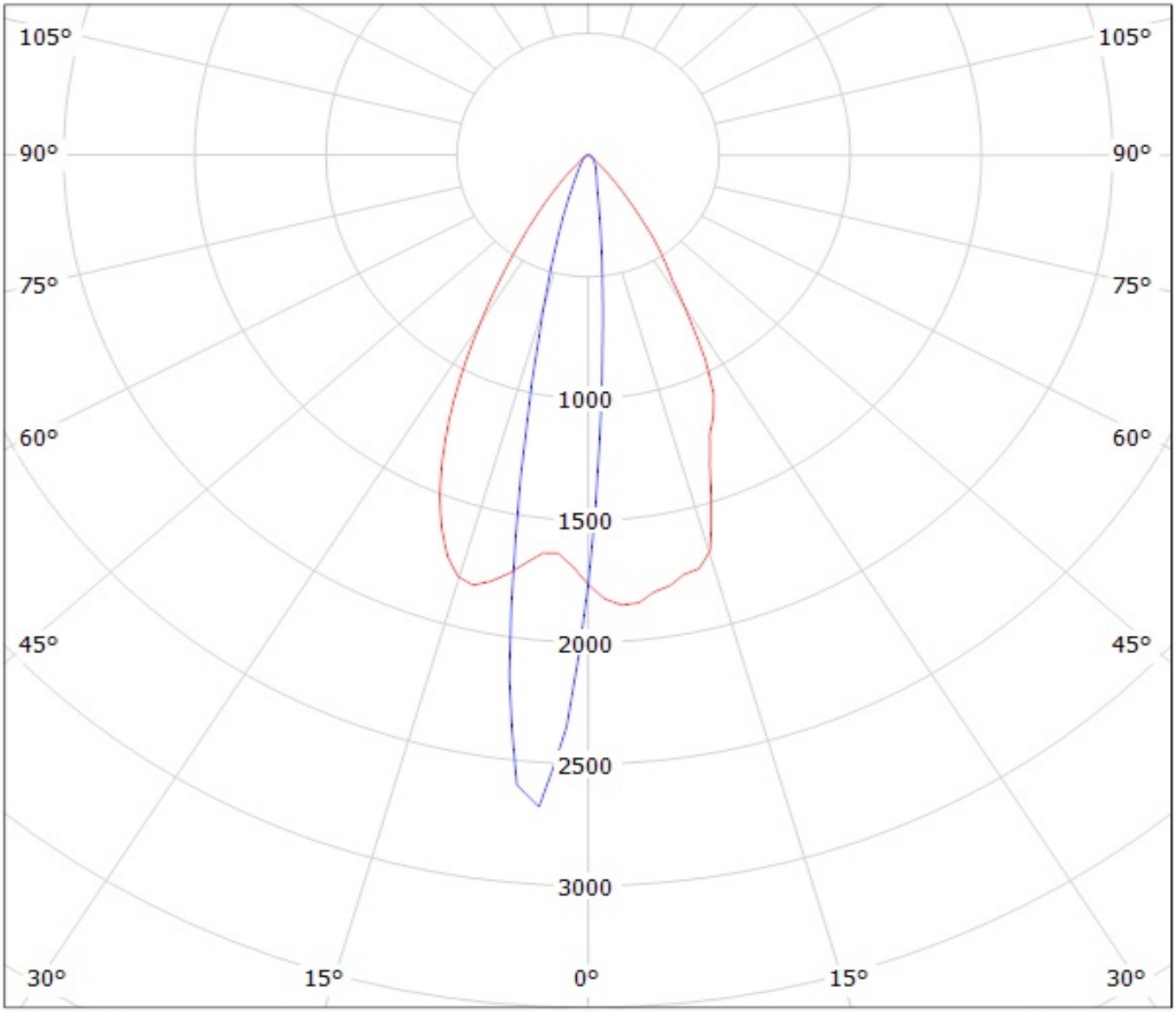
cd/klm

C0 - C180 C90 - C270

Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Nichia NVS19lm @ 250mA) Efficiency=82%
Lamps: 1 x Nichia NVS19lm @ 250mA



Luminaire: LEDil Oy CP13308_LAURA-O-WAS-PG_(NCSxx19B) Efficiency=82%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 90.5lm @ 250mA CCT=3300K P=0.8W I=250mA

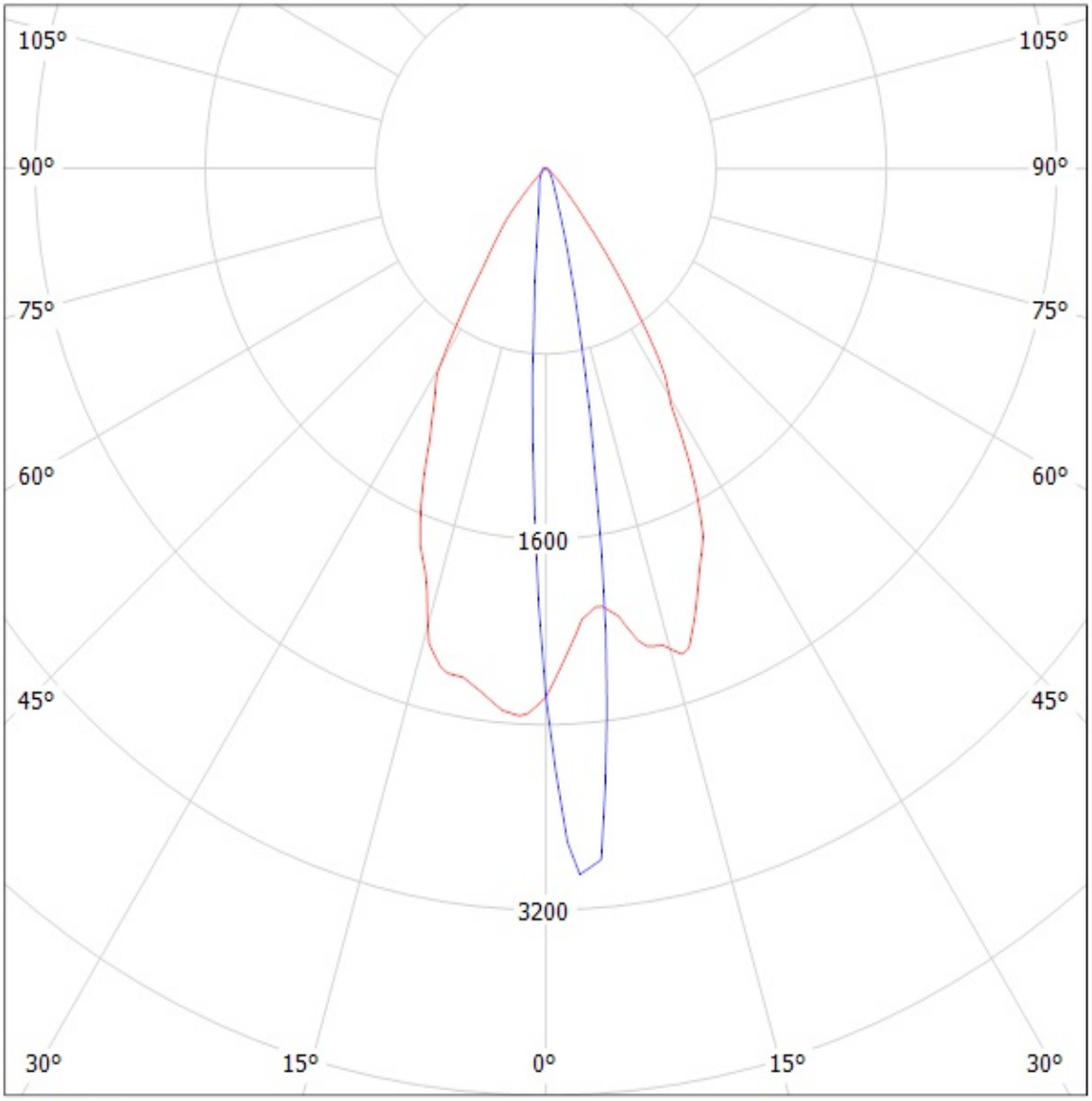


cd/klm

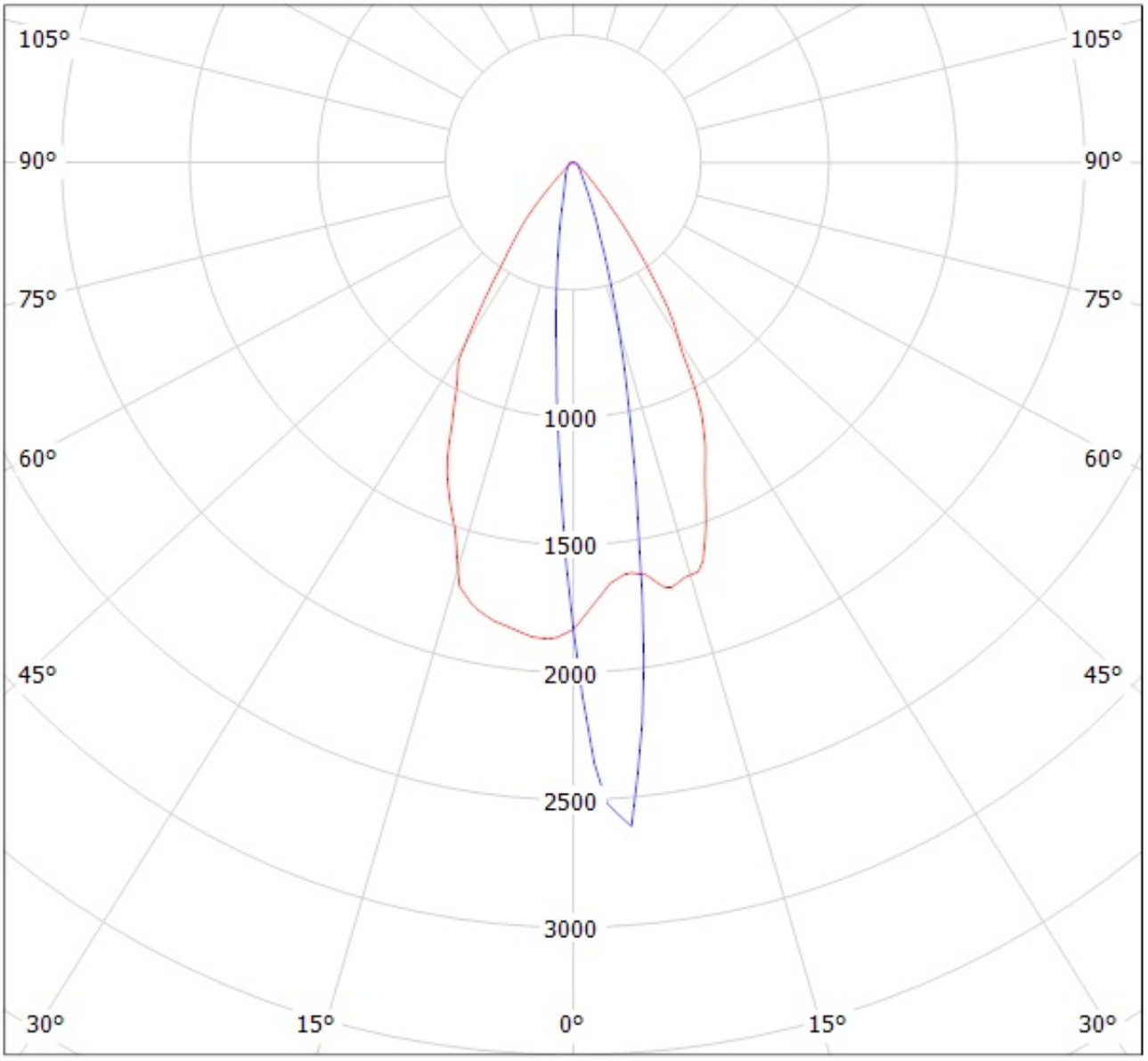
η = 83%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS-OSL150 (Osram oslon 150deg 95lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram oslon 150deg 95lm @ 250mA



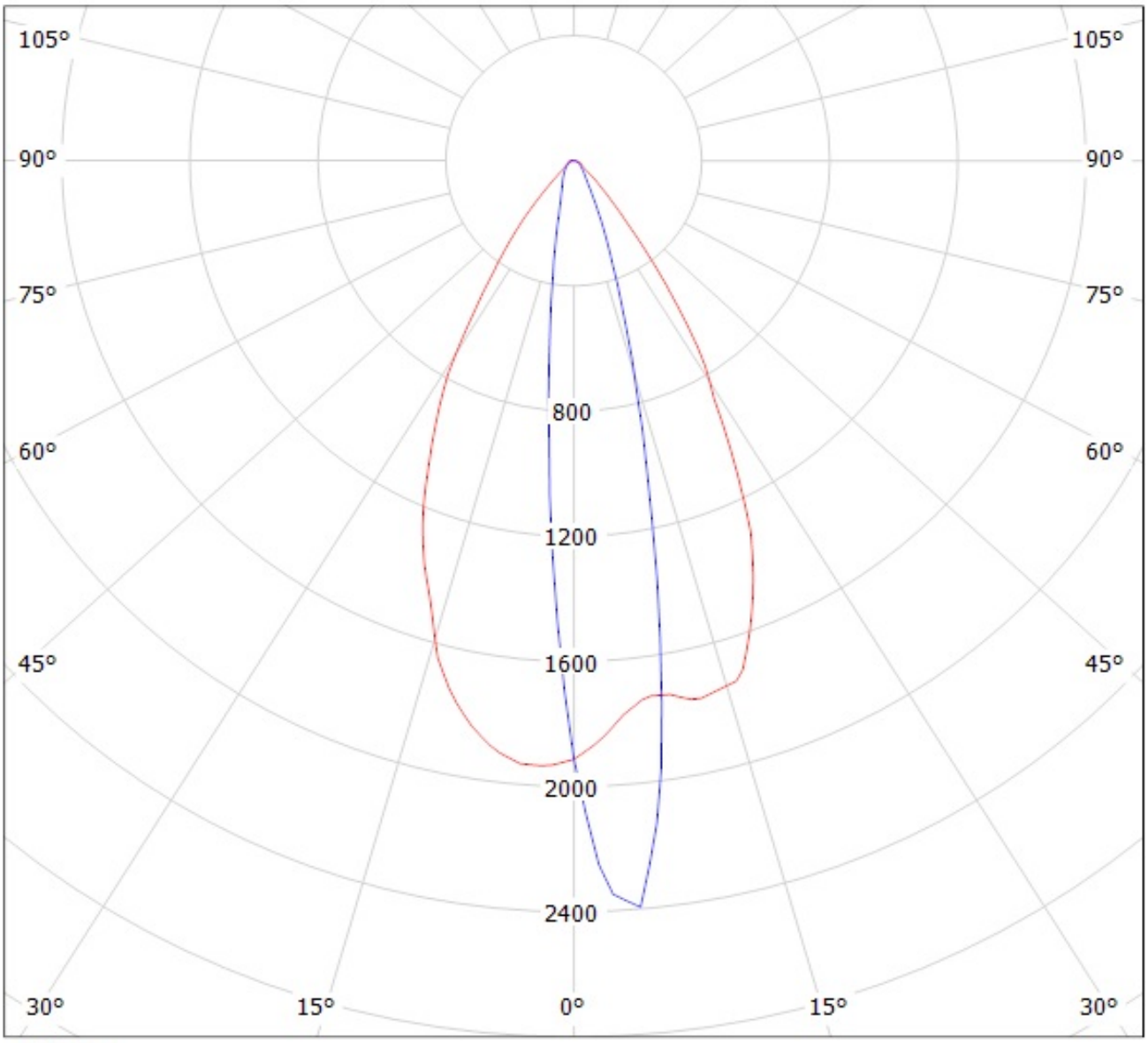
Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Osram Oslon 80deg 79lm @ 250mA) Efficiency=83%
Lamps: 1 x Osram Oslon 80deg 79lm @ 250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: Ledil Oy CP13308&CA13307_LAURA-O-WAS (Osram Square EC 53lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 53lm @ 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.