

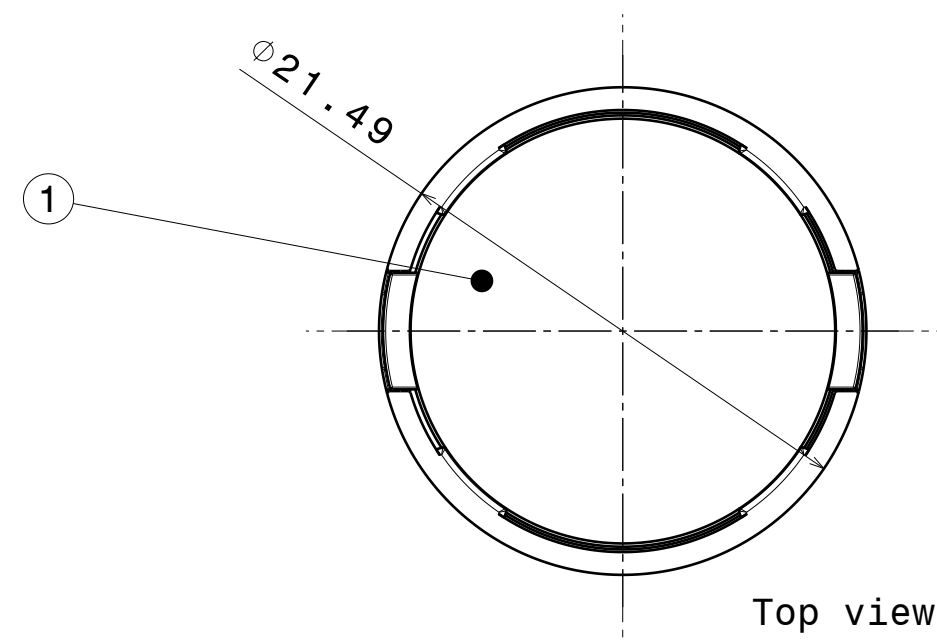
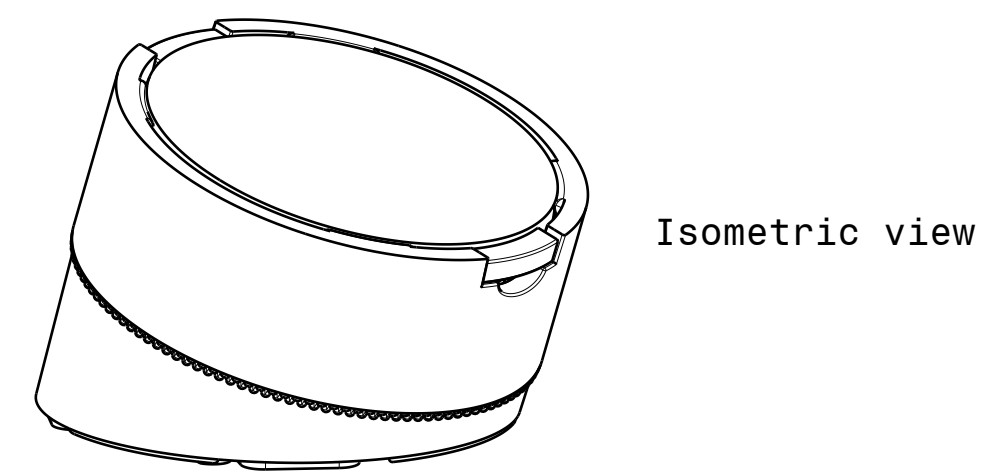
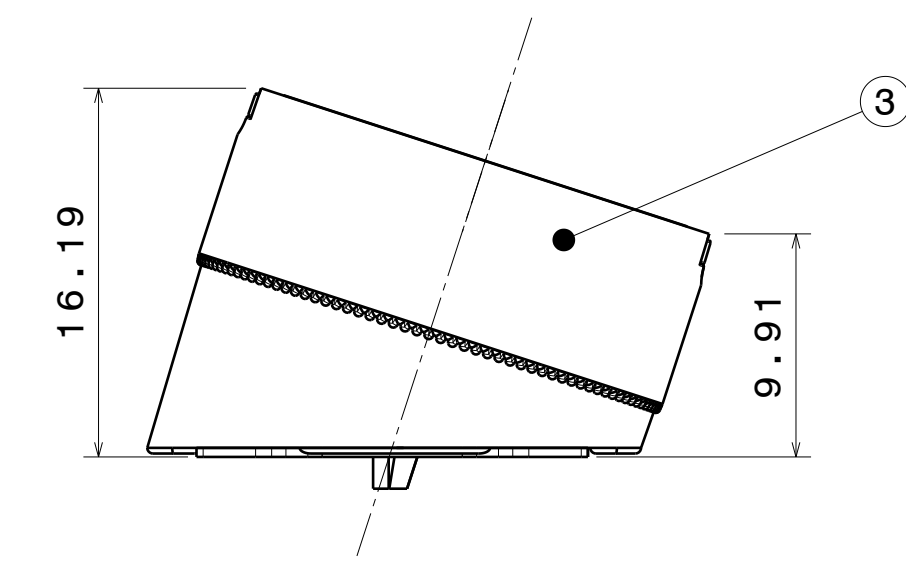
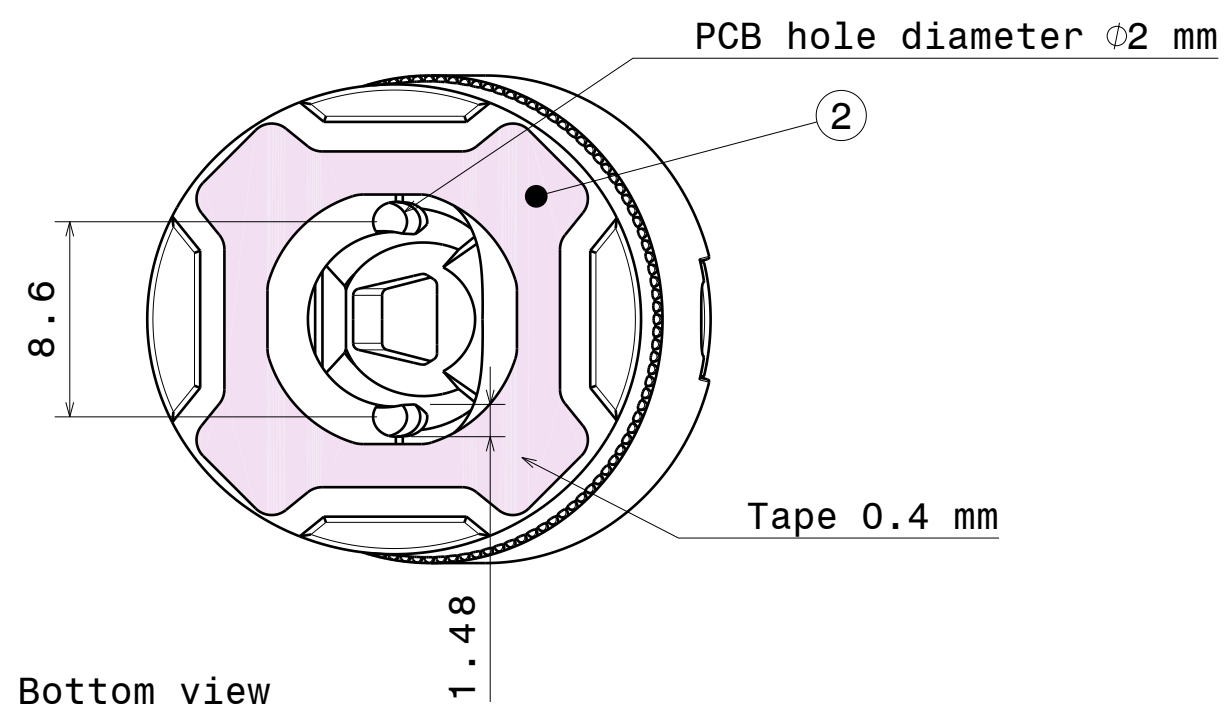
DETAILS

Product Number	FCA13329_BILLIE-A
Family	Billie
Type	Assembly
Color	white
Diameter	21.5 mm
Height	16.1 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Compliant	Yes
Date Updated	2/07/2014



OPTICAL PROPERTIES

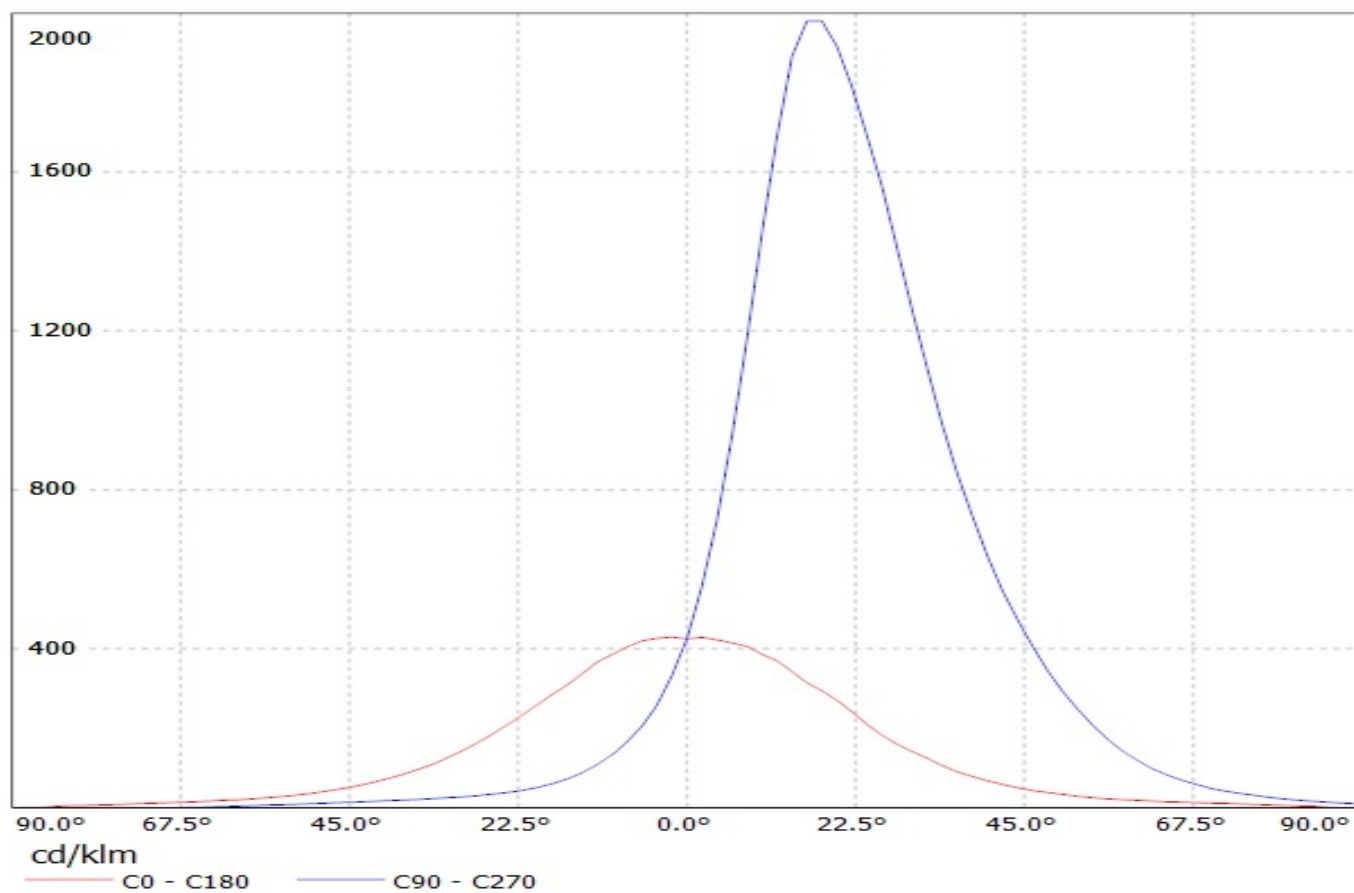
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
NCSxx19A	Asymmetric degrees		86 %	2.000	-
LUXEON A	Asymmetric degrees		88 %	2.100	-
LUXEON R	Asymmetric degrees		88 %	2.000	-
Oslon SSL 80	Asymmetric degrees		88 %	2.100	-
Oslon SSL 150	Asymmetric degrees		88 %	2.700	-
NVSxx19A	Asymmetric degrees		85 %	1.900	-
NF2x757A	Asymmetric degrees		88 %	1.900	-
XT-E	Asymmetric degrees		87 %	2.100	-
XP-G	Asymmetric degrees		88 %	2.200	-
XP-E	Asymmetric degrees		89 %	2.400	-
LUXEON Rebel	Asymmetric degrees		87 %	2.200	-
LUXEON Rebel ES	Asymmetric degrees		88 %	2.000	-
XB-D	Asymmetric degrees		85 %	2.100	-
Duris S5 (2 chip)	Asym degrees		90 %	2.000	-



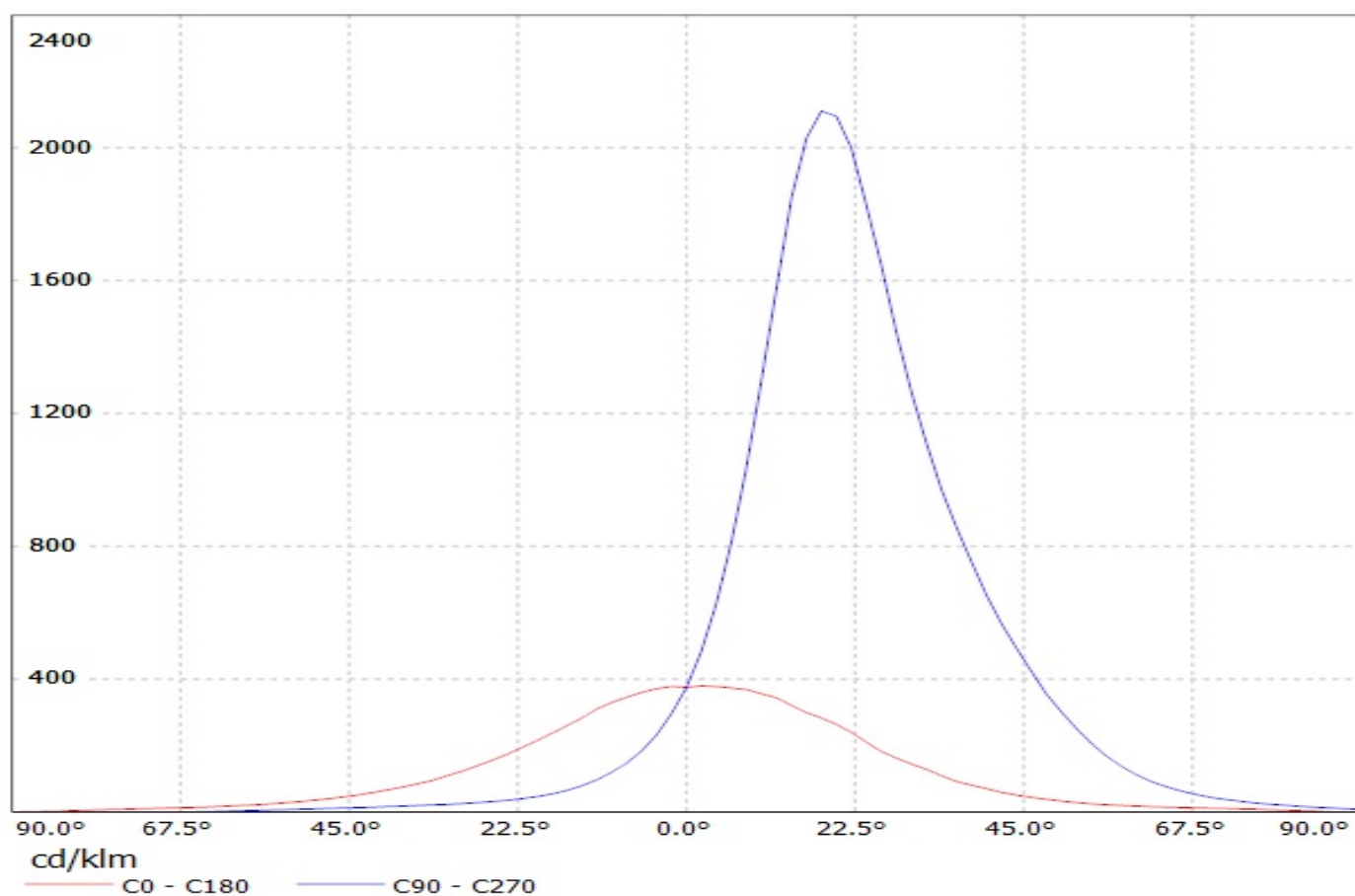
INDEX	PART NO	DESCRIPTION	MATERIAL
1	C13327	BILLIE-A	PMMA
2	C11269	HEIDI-TAPE	2-sided tape
3	F13328	BILLIE-HLD-PIN-TAPE	PC

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 THIRD ANGLE PROJECTION: This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
		DRAWING TITLE BILLIE-A datasheet	
SIZE A3		PART NUMBER FCA13329	
SCALE 3:1		WEIGHT g	SHEET 1/1

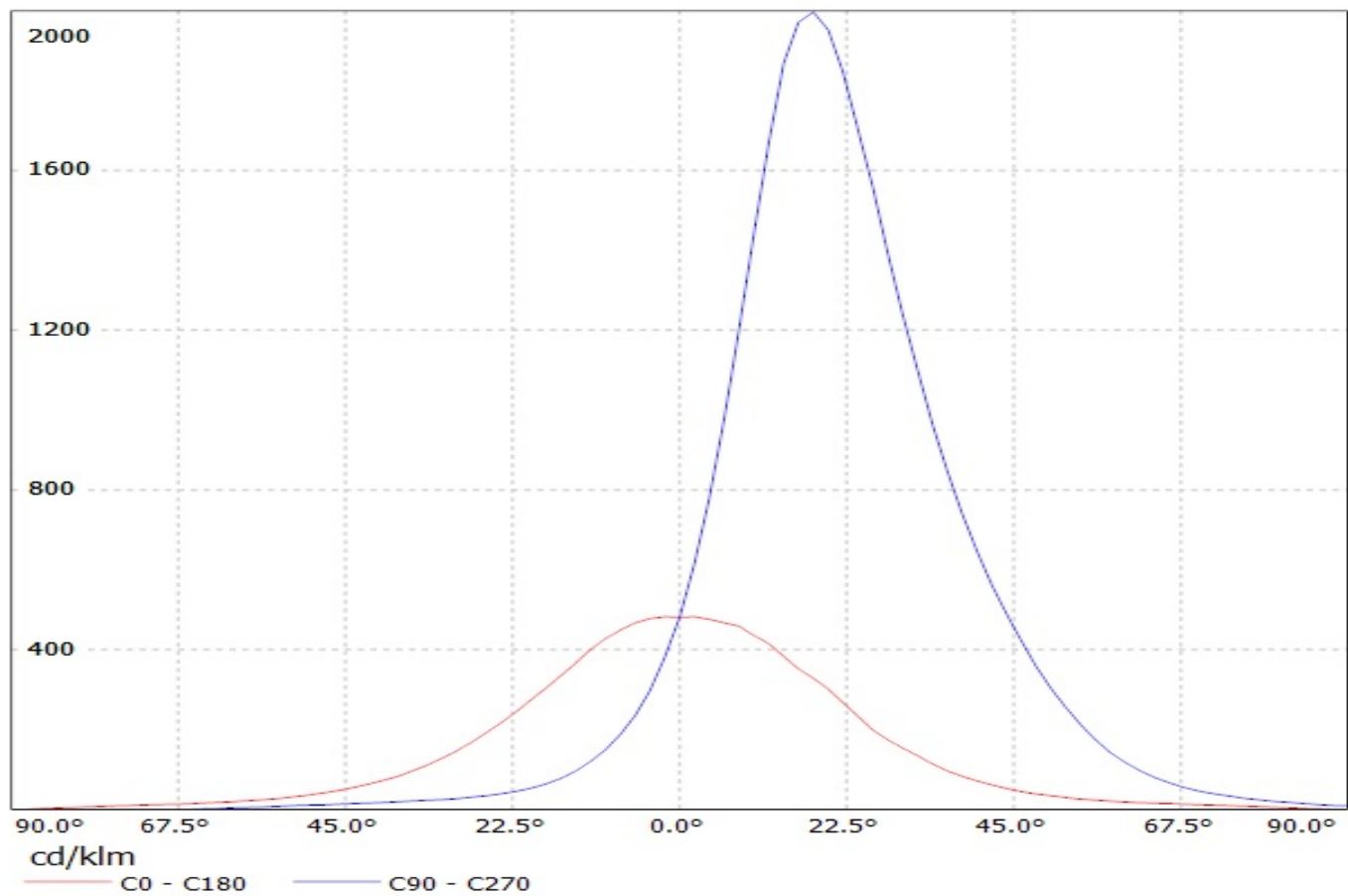
Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia NCS19 68lm @ 250mA) Efficiency=86%
Lamps: 1 x Nichia NCS19 68lm @ 250mA CCT=3640K P=0,75W I=250mA



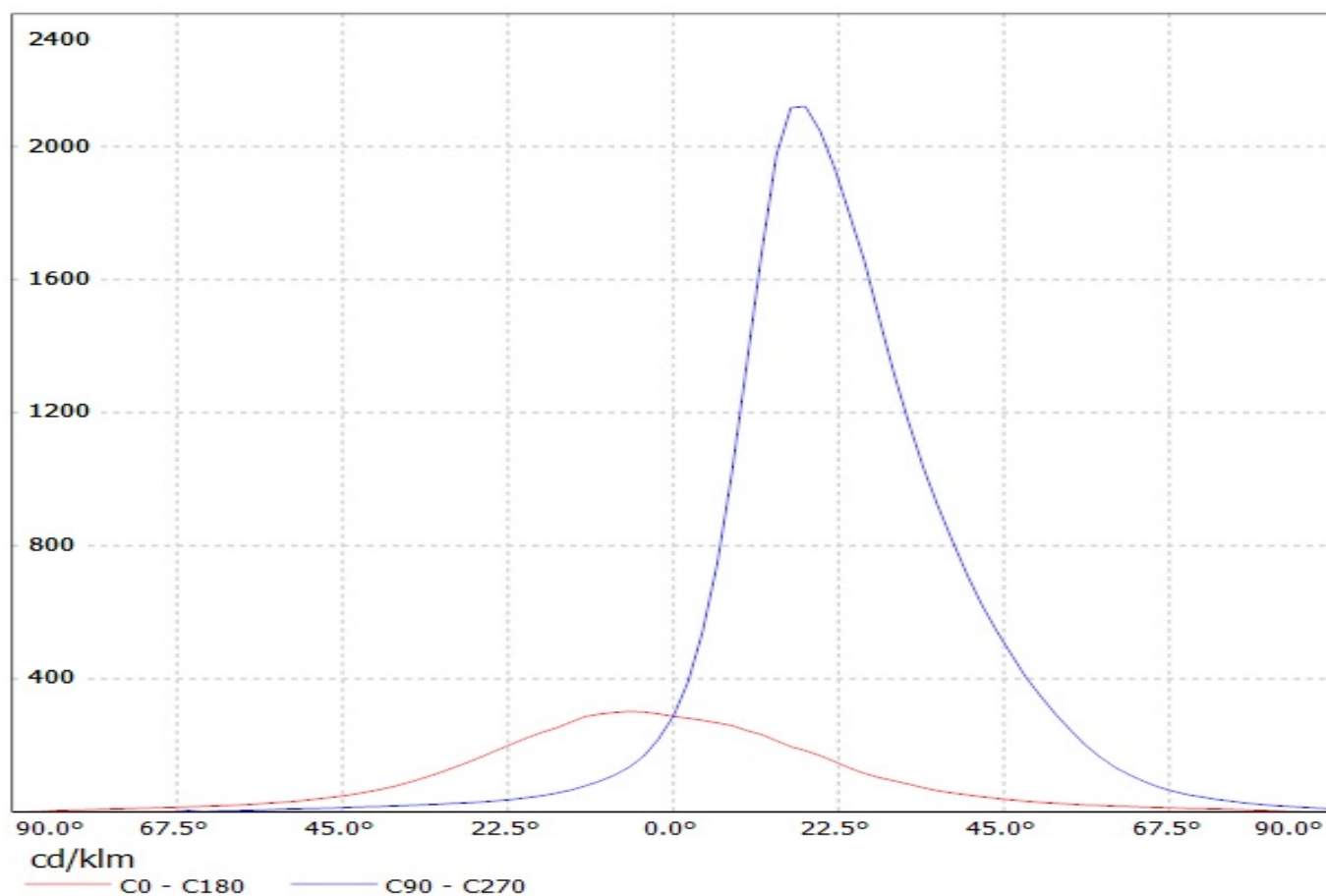
Luminaire: Ledil Oy FCA13329 BILLIE-A (Luxeon A 66lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon A 66lm @ 250mA CCT=2933K P=0,75W I=250mA



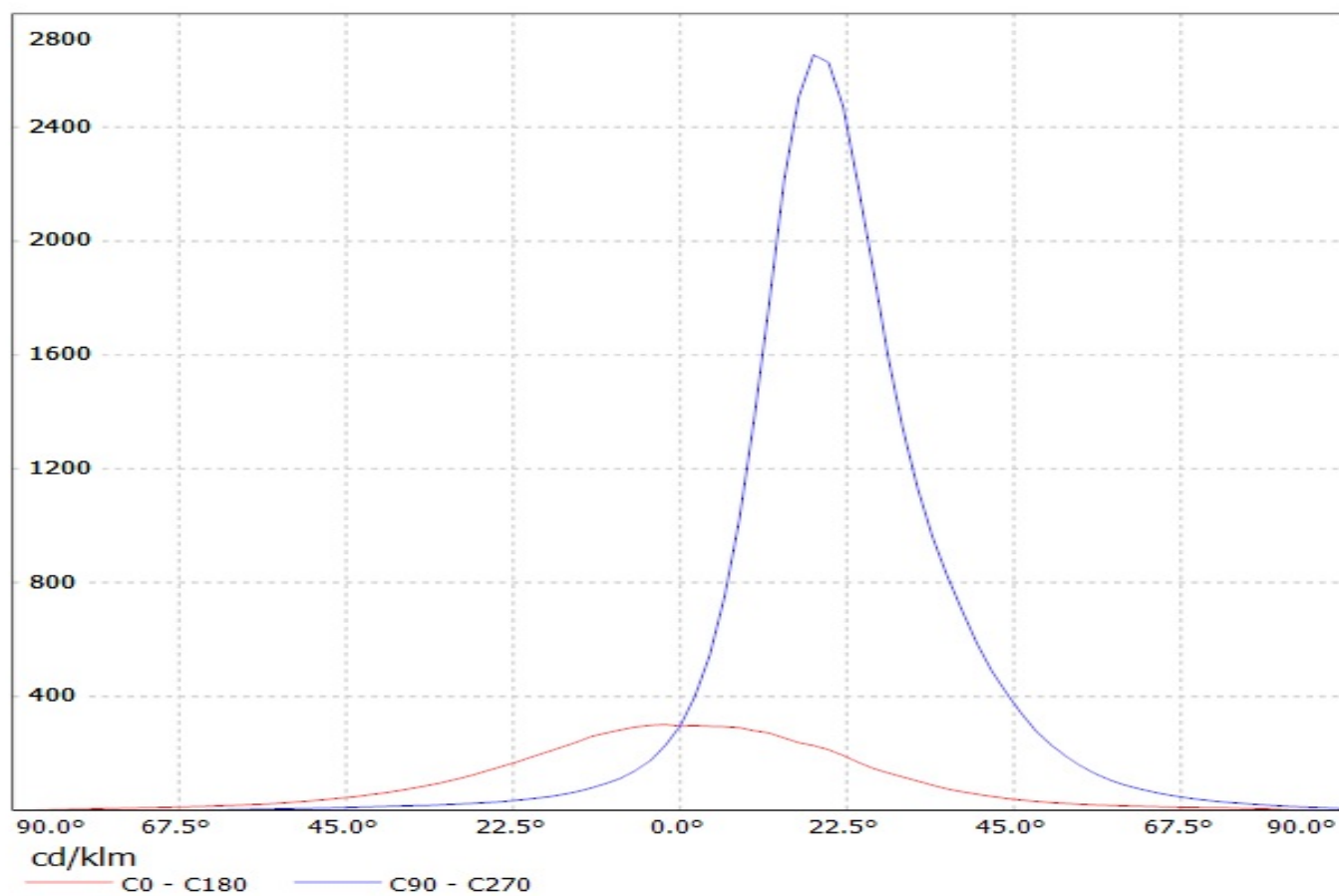
Luminaire: Ledil Oy FCA13329_BILLIE-A (Luxeon R 84lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon R 84lm @ 250mA CCT=4328K P=0,75W I=250mA



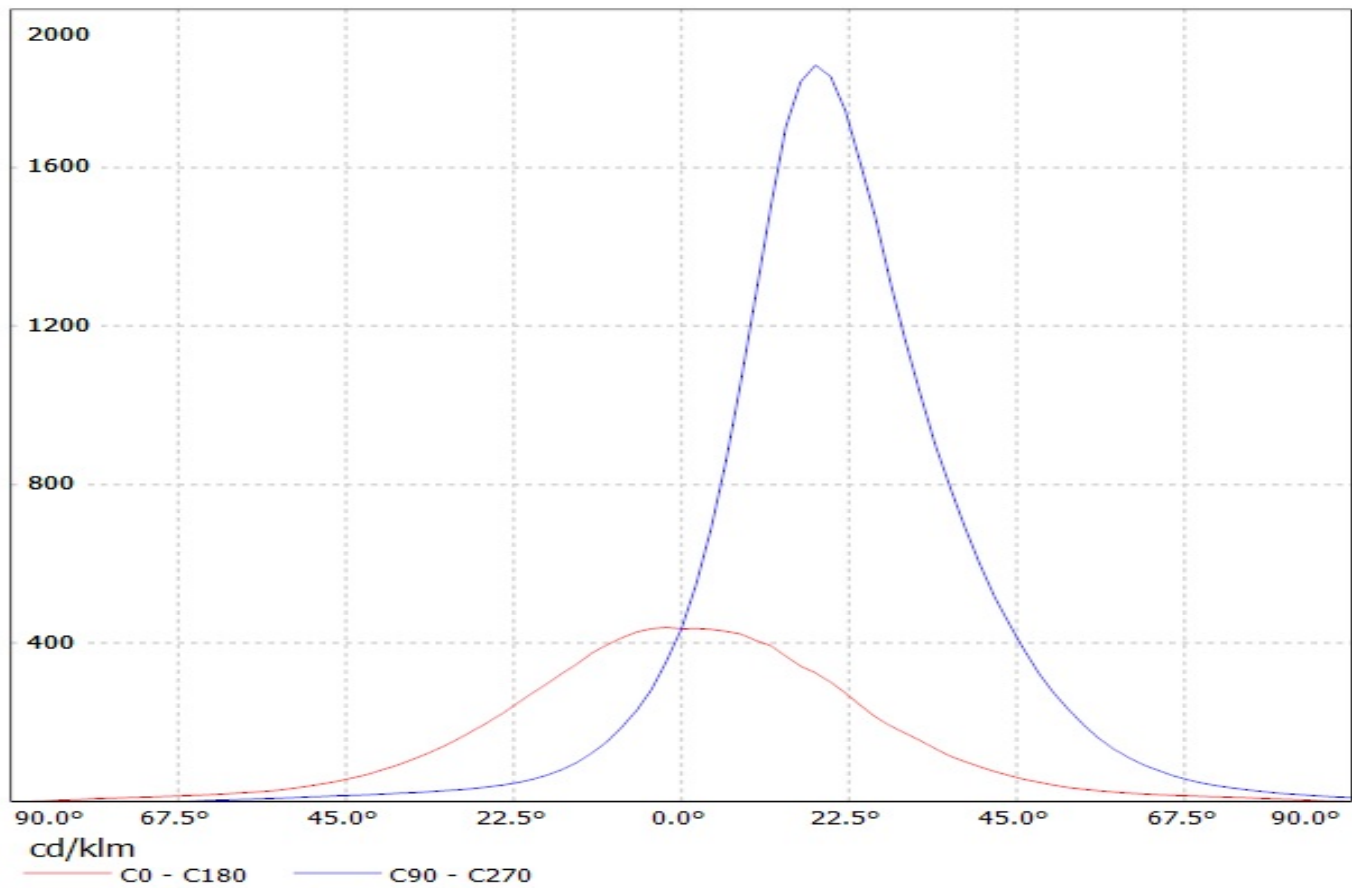
Luminaire: Ledil Oy FCA13329_BILLIE-A (Osram Oslon 80deg 74lm @ 250mA) Efficiency=88%
Lamps: 1 x Osram Oslon 80deg 74lm @ 250mA CCT=6453K P=0,75W I=250mA



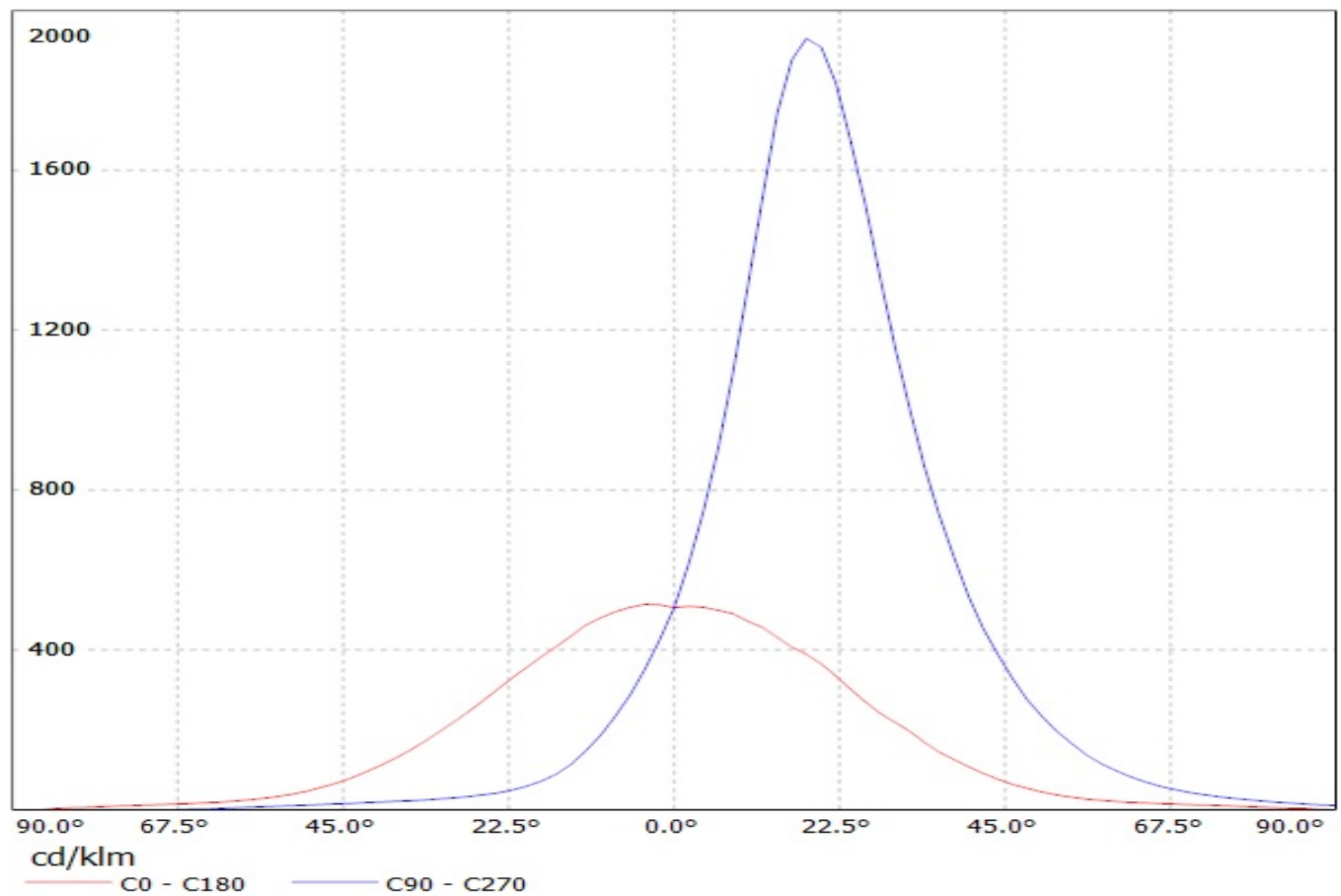
Luminaire: Ledil Oy FCA13329_BILLIE-As (Osram Oslon 150deg 69lm @ 250mA) Efficiency=88%
Lamps: 1 x Osram Oslon 150deg 69lm @ 250mA CCT=3601K P=0,75W I=250mA



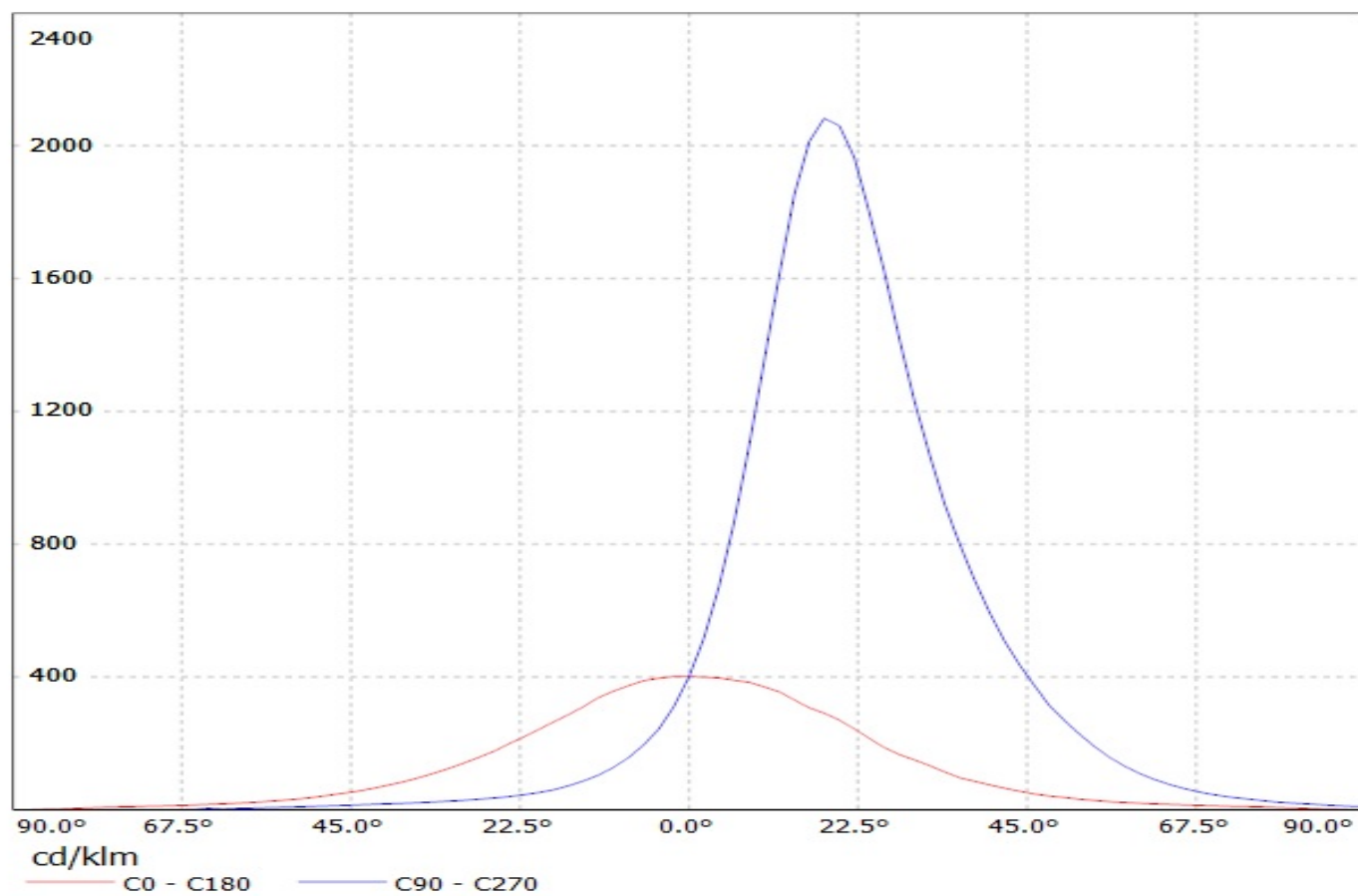
Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia NVS19 97lm @ 250mA) Efficiency=85%
Lamps: 1 x Nichia NVS19 97lm @ 250mA CCT=5320K P=0,75W I=250mA



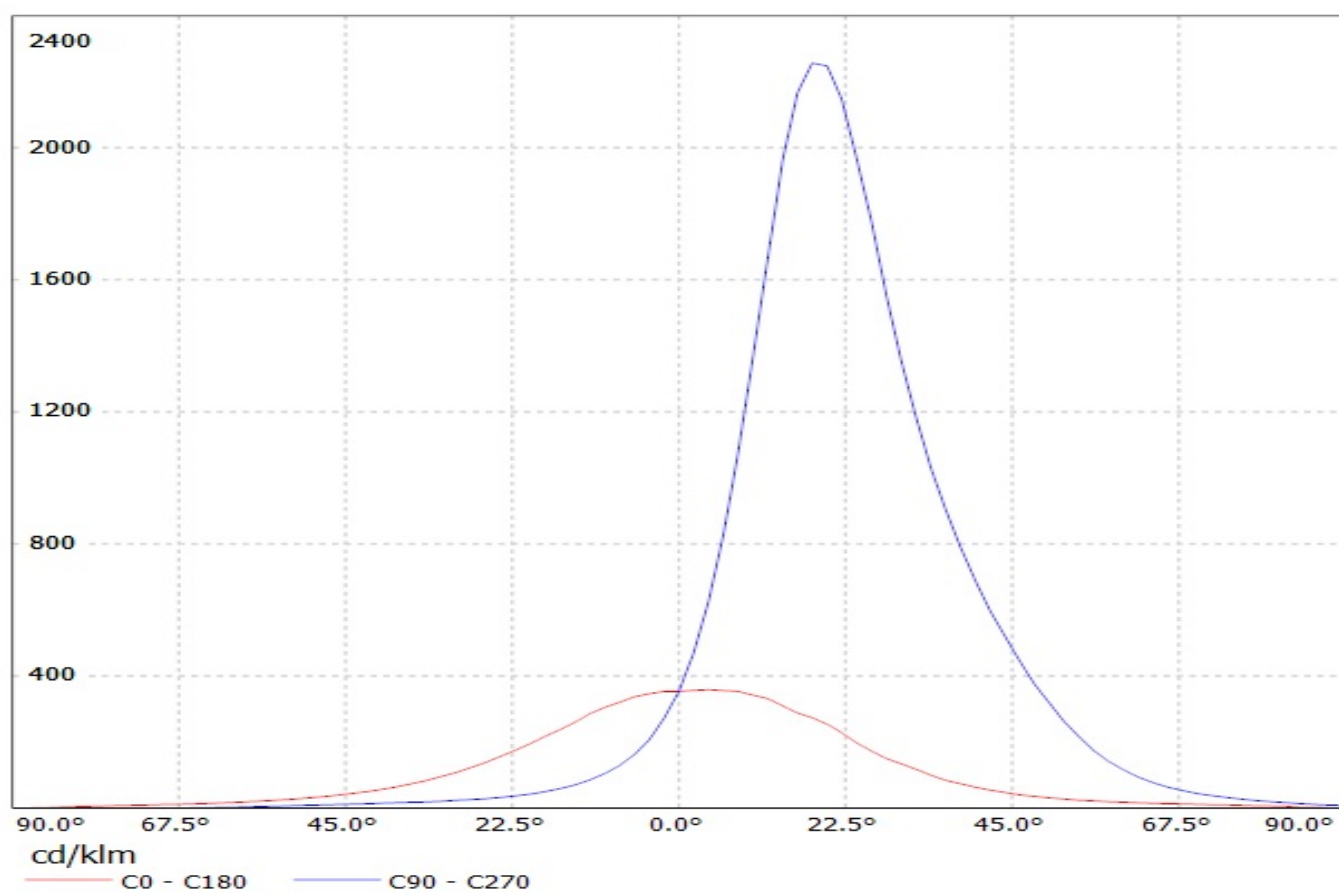
Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia 757 67lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia 757 67lm @ 100mA CCT=4715K P=0,6W I=100mA



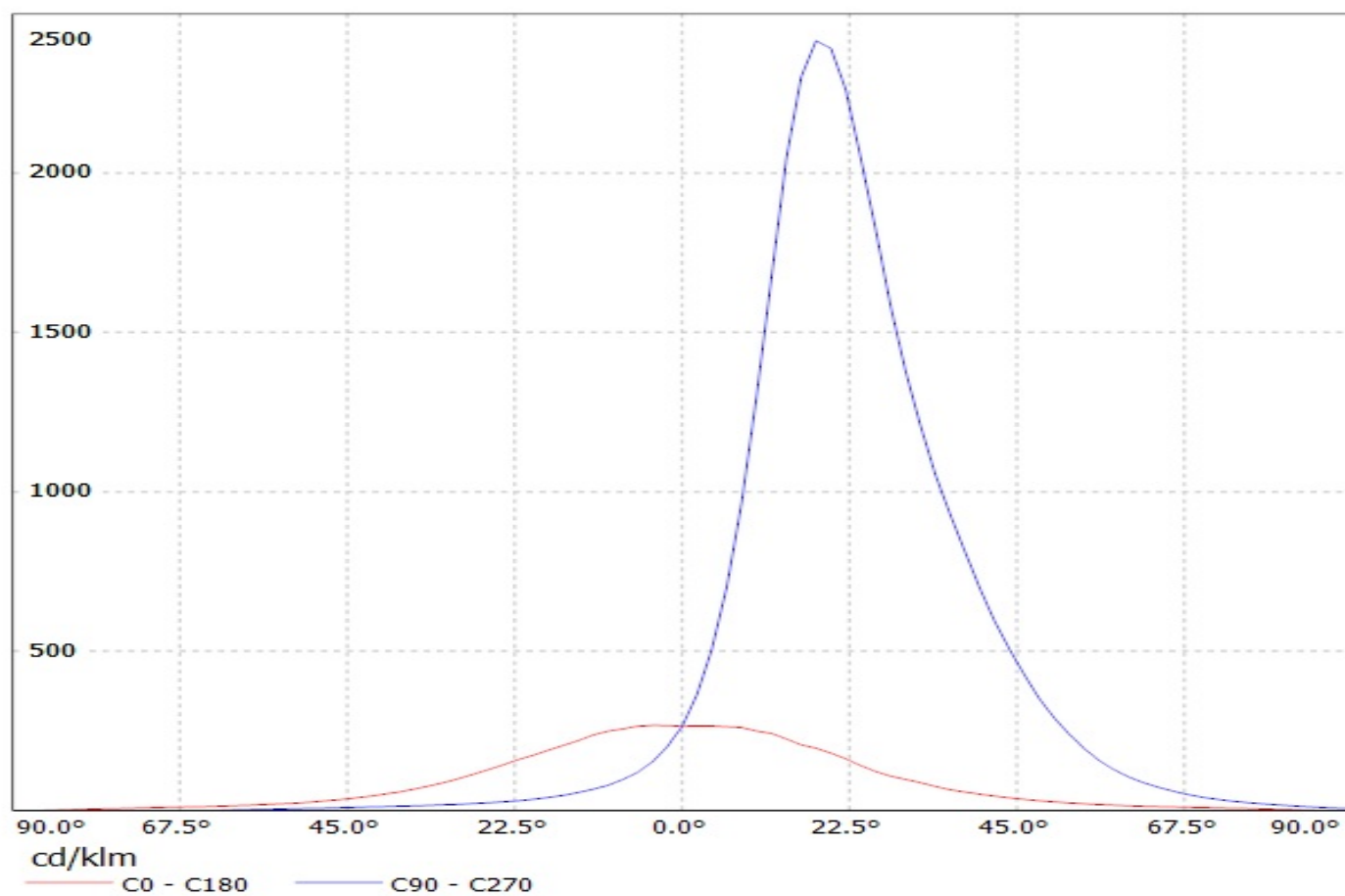
Luminaire: Ledil Oy FCA13329 BILLIE-A (Cree XT-E 103lm @ 250mA) Efficiency=87%
Lamps: 1 x Cree XT-E 103lm @ 250mA CCT=4425K P=0,75W I=250mA



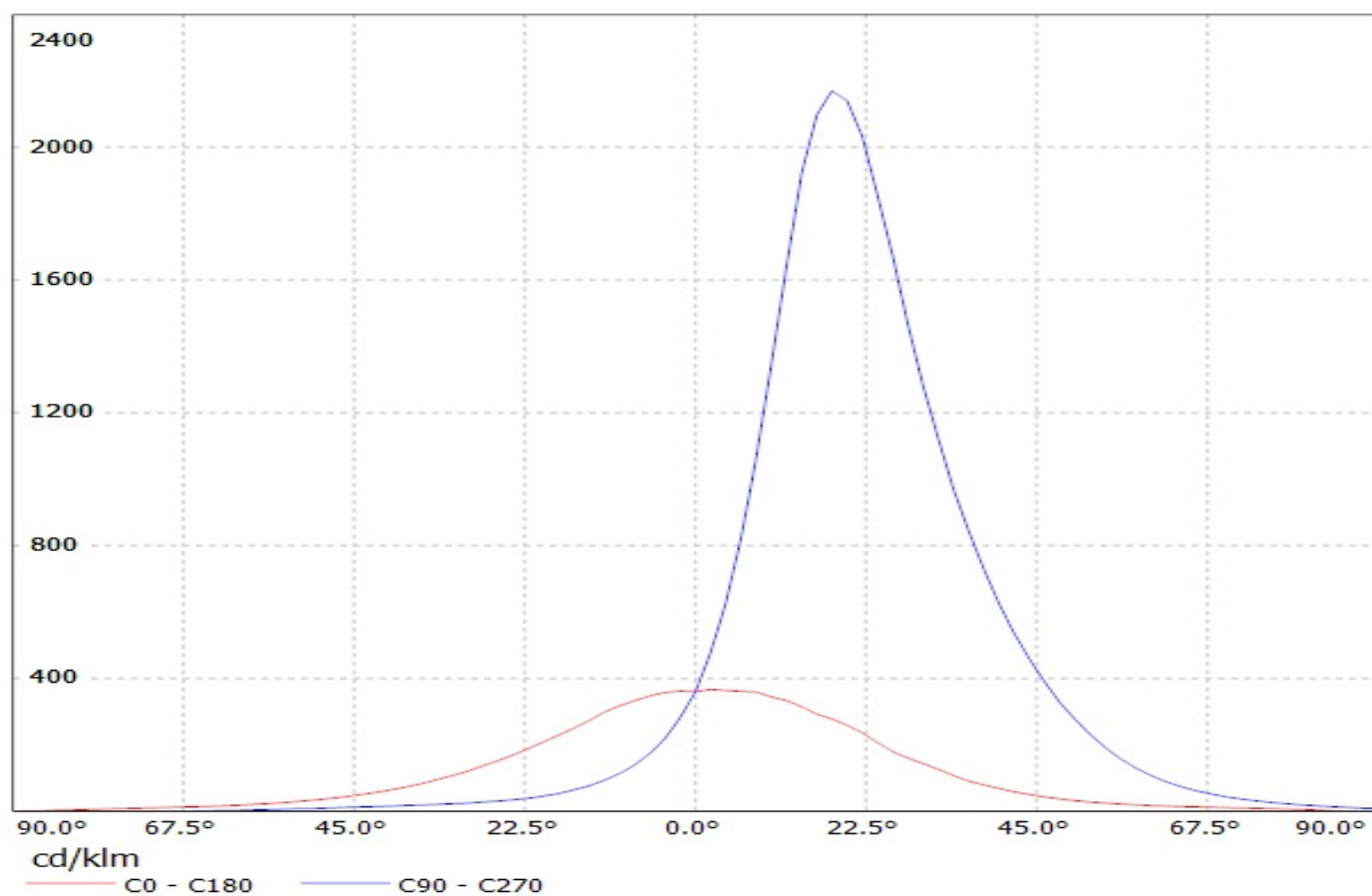
Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XP-G 62lm @ 250mA) Efficiency=88%
Lamps: 1 x Cree XP-G 62lm @ 250mA CCT=3218K P=0,75W I=250mA



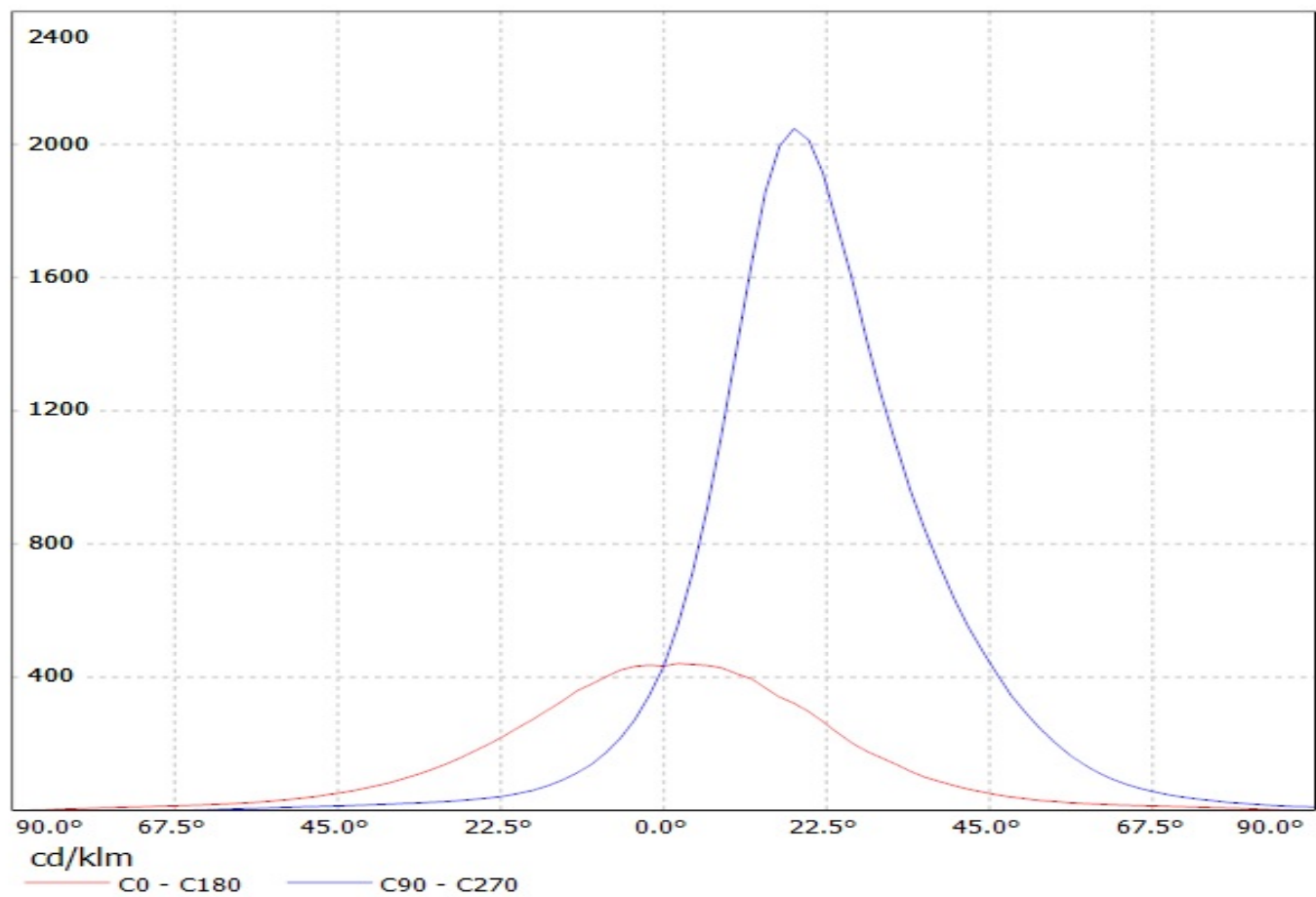
Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XP-E 51lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XP-E 51lm @ 250mA CCT=2864K P=0,75W I=250mA



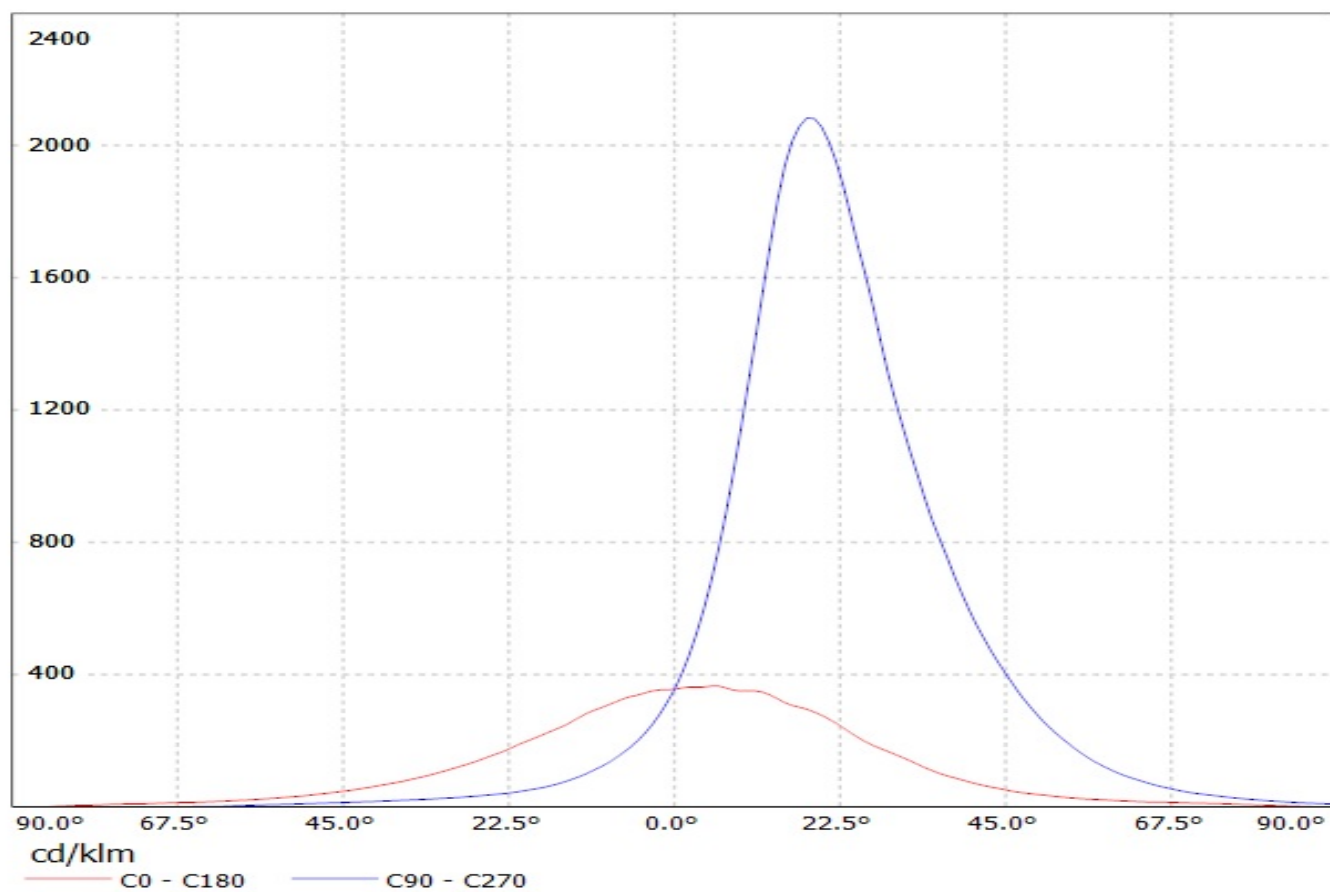
Luminaire: Ledil Oy FCA13329_BILLIE-A (Luxeon Rebel 61lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon Rebel 61lm @ 250mA CCT=2872K P=0,75W I=250mA



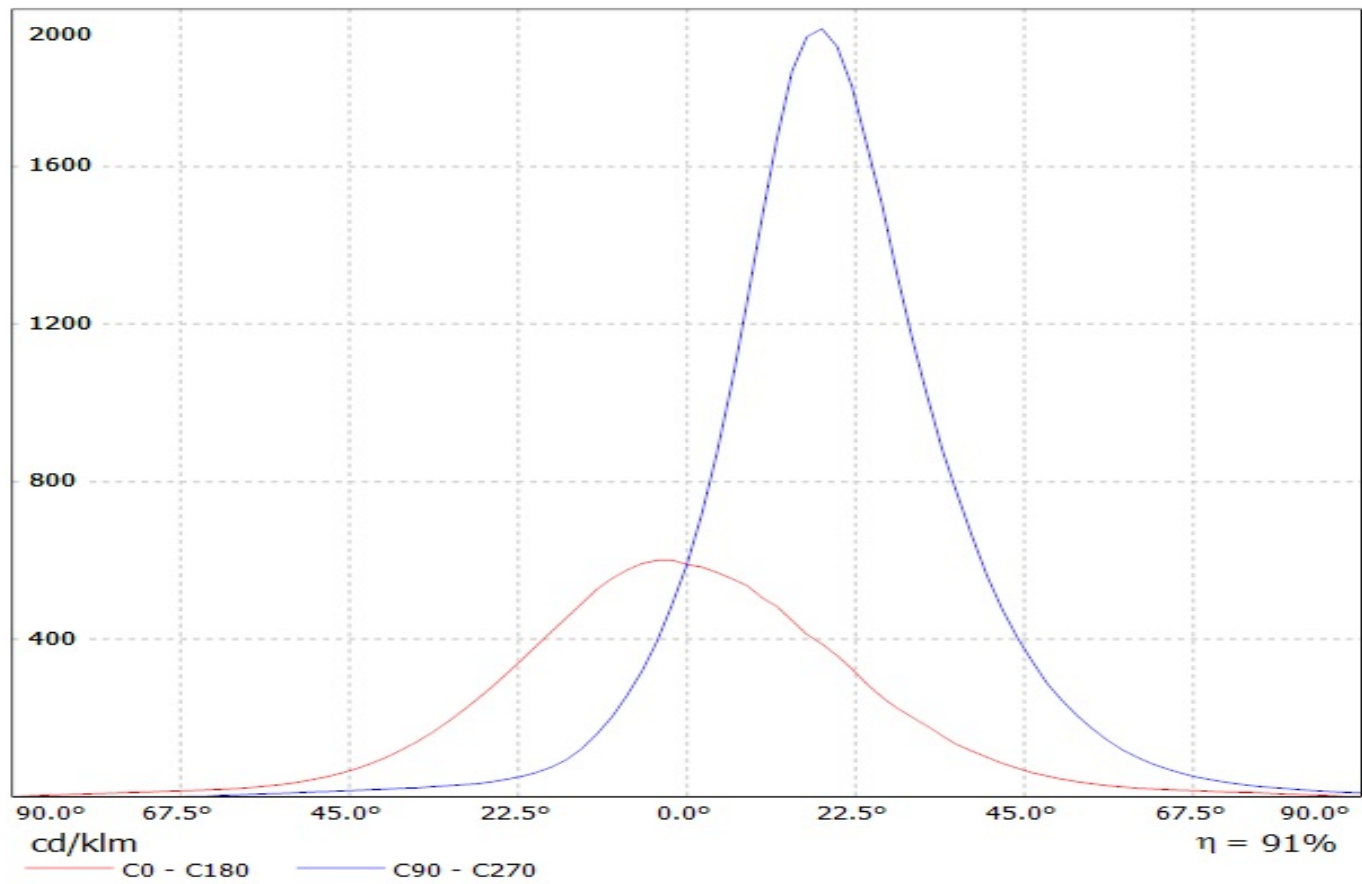
Luminaire: Ledil Oy FCA13329 BILLIE-A (Luxeon Rebel-ES 87lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon Rebel-ES 87lm @ 250mA CCT=6045K P=0,75W I=250mA



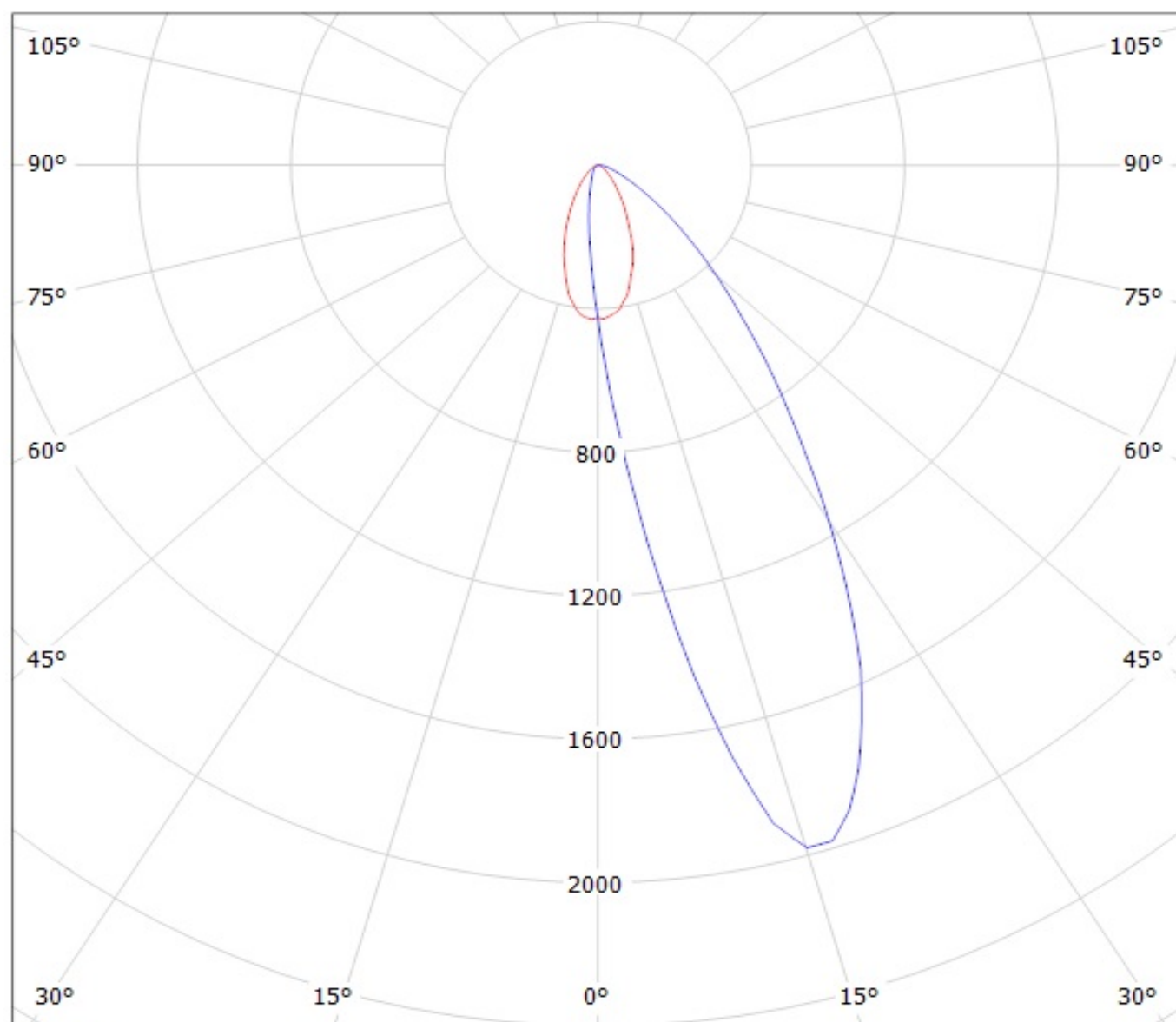
Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XB-D 90lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XB-D 90lm @ 250mA CCT=6580K P=0,75W I=250mA



Luminaire: LEDil Oy FCA13329_BILLIE-A_(DURIS_S5) Efficiency=90%
Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia NCS19 68lm @ 250mA) Efficiency=86%
Lamps: 1 x Nichia NCS19 68lm @ 250mA CCT=3640K P=0,75W I=250mA

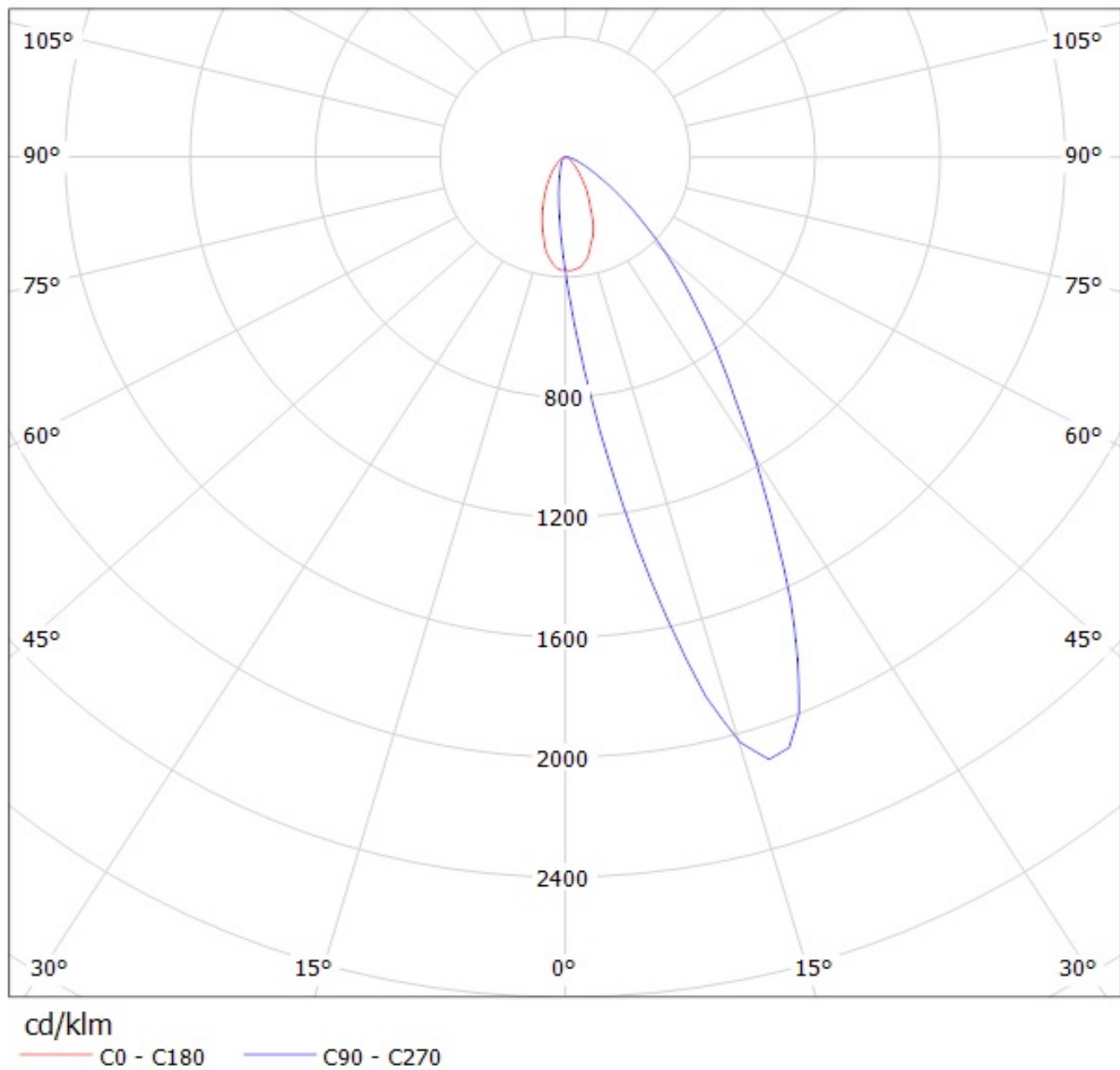


cd/klm

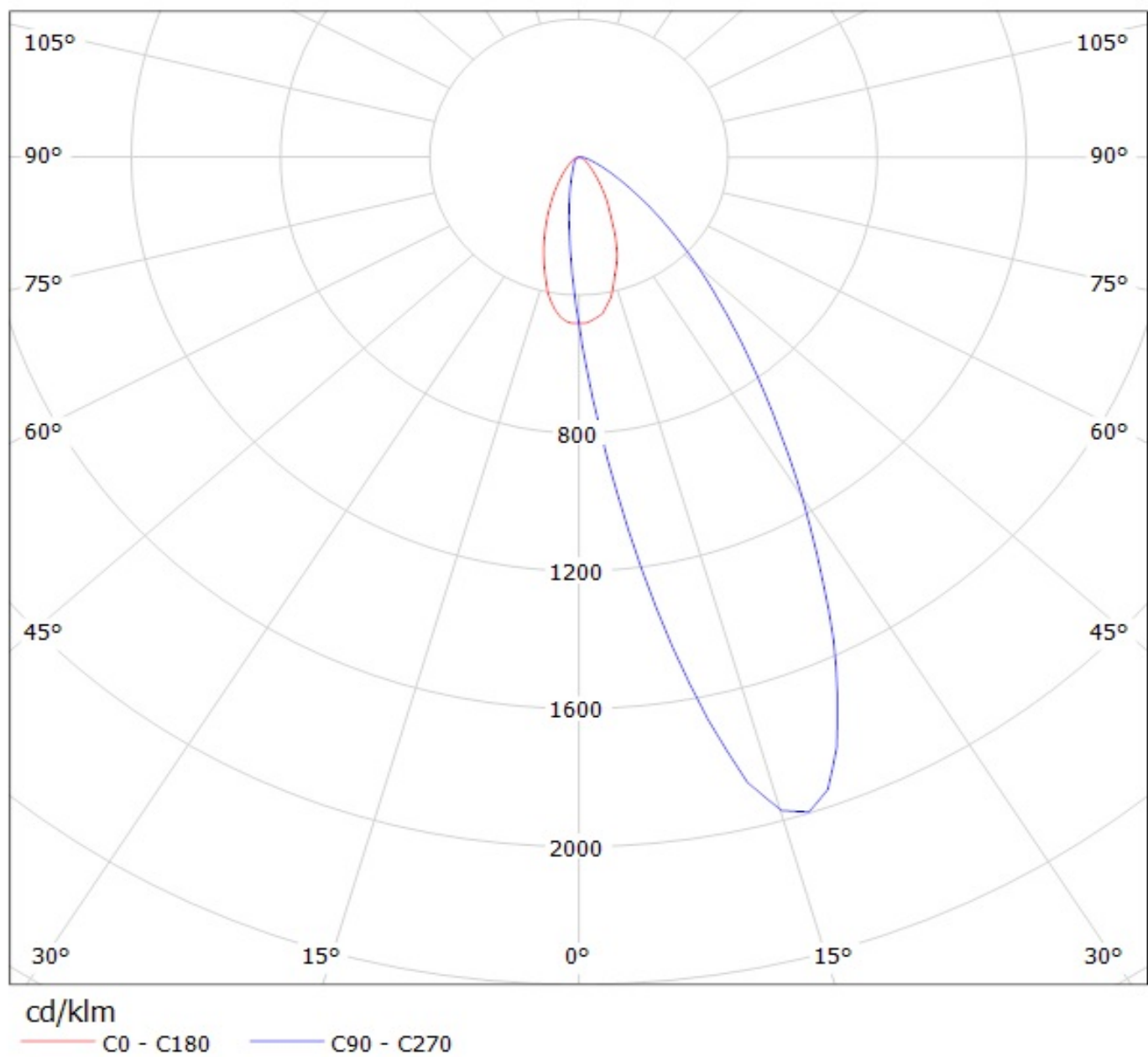
— C0 - C180

— C90 - C270

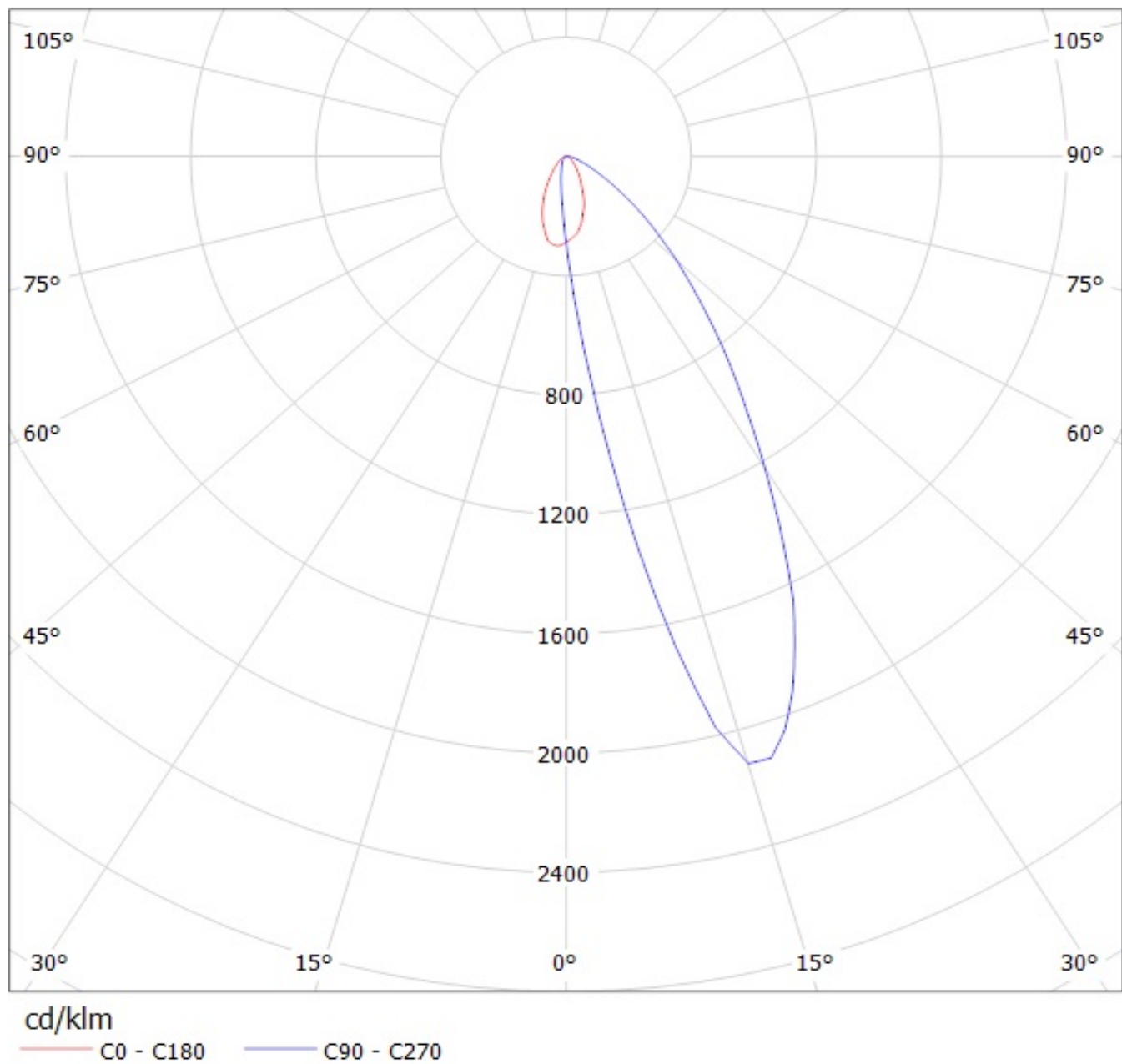
Luminaire: Ledil Oy FCA13329_BILLIE-A (Luxeon A 66lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon A 66lm @ 250mA CCT=2933K P=0,75W I=250mA



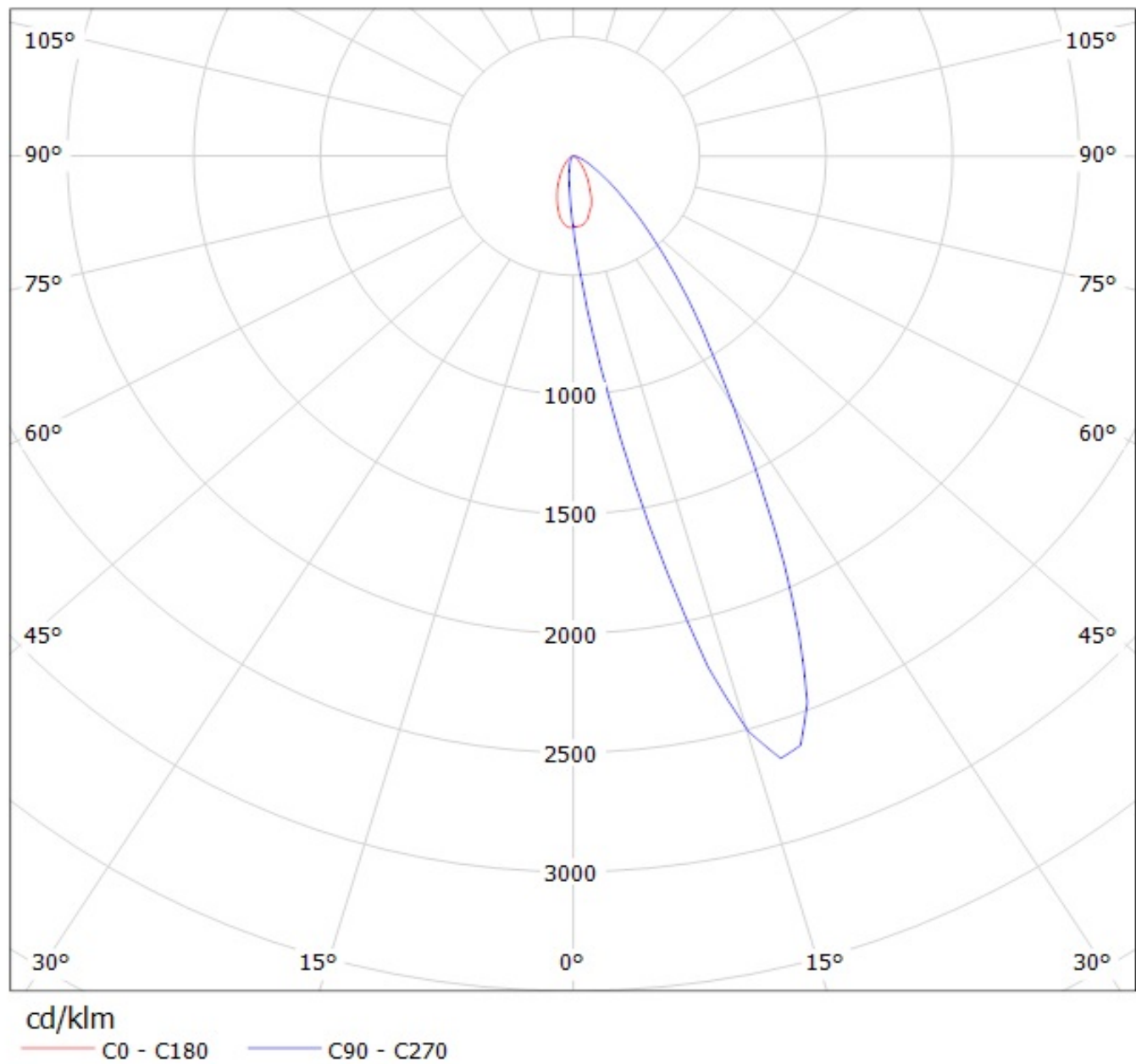
Luminaire: Ledil Oy FCA13329 BILLIE-A (Luxeon R 84lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon R 84lm @ 250mA CCT=4328K P=0,75W I=250mA



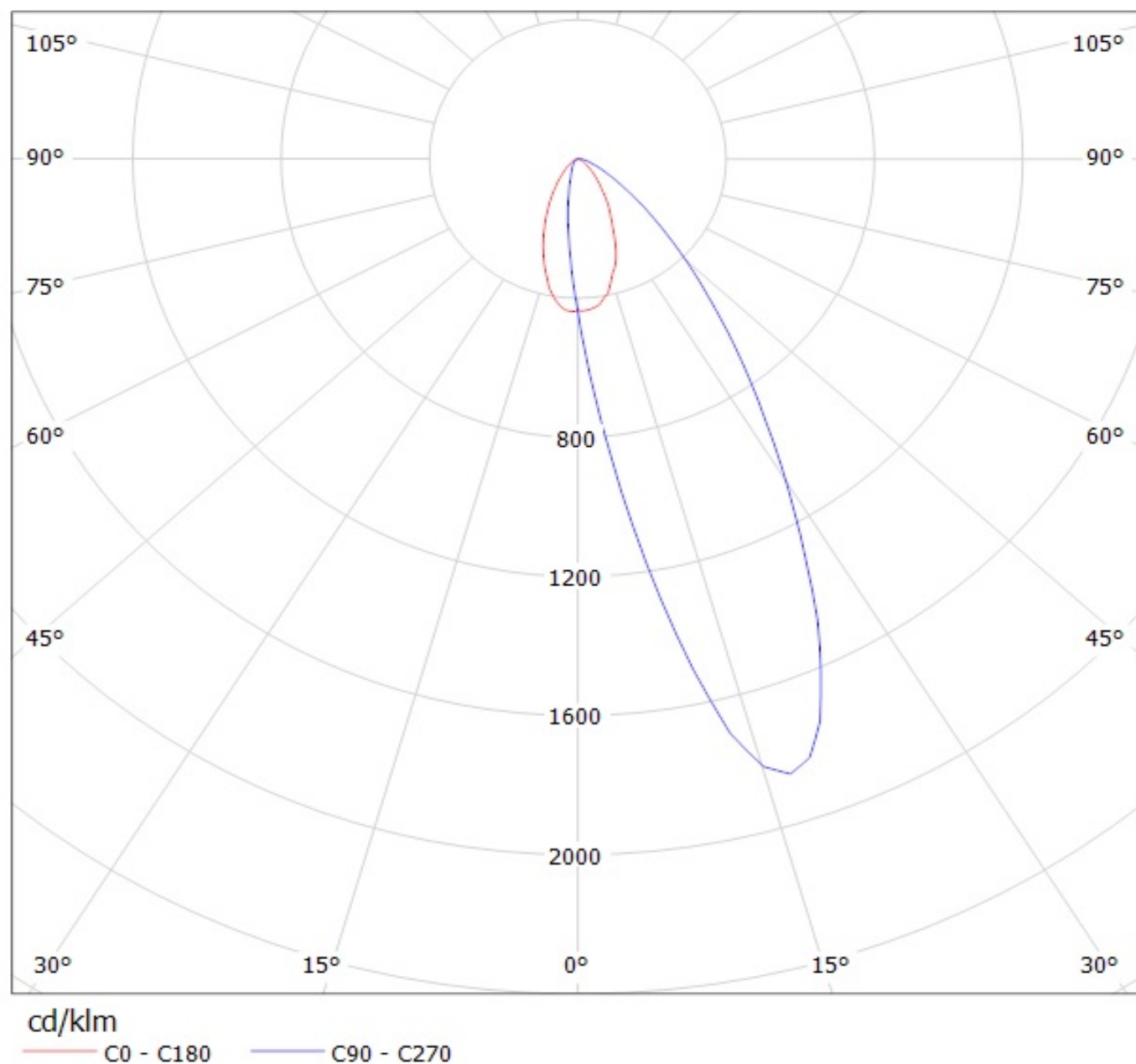
Luminaire: Ledil Oy FCA13329_BILLIE-A (Osram Oslon 80deg 74lm @ 250mA) Efficiency=88%
Lamps: 1 x Osram Oslon 80deg 74lm @ 250mA CCT=6453K P=0,75W I=250mA



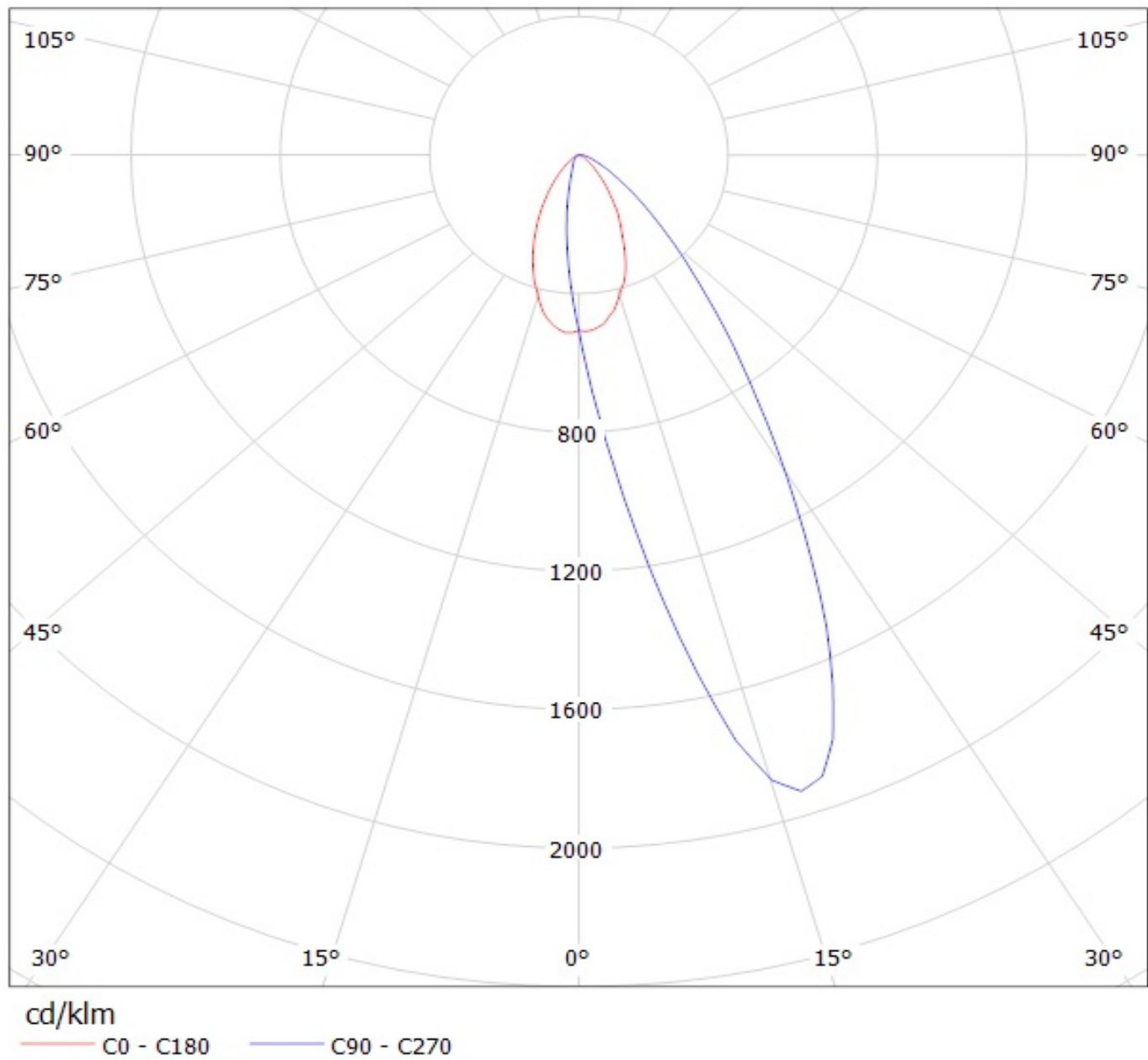
Luminaire: Ledil Oy FCA13329_BILLIE-As (Osram Oslon 150deg 69lm @ 250mA) Efficiency=88%
Lamps: 1 x Osram Oslon 150deg 69lm @ 250mA CCT=3601K P=0,75W I=250mA



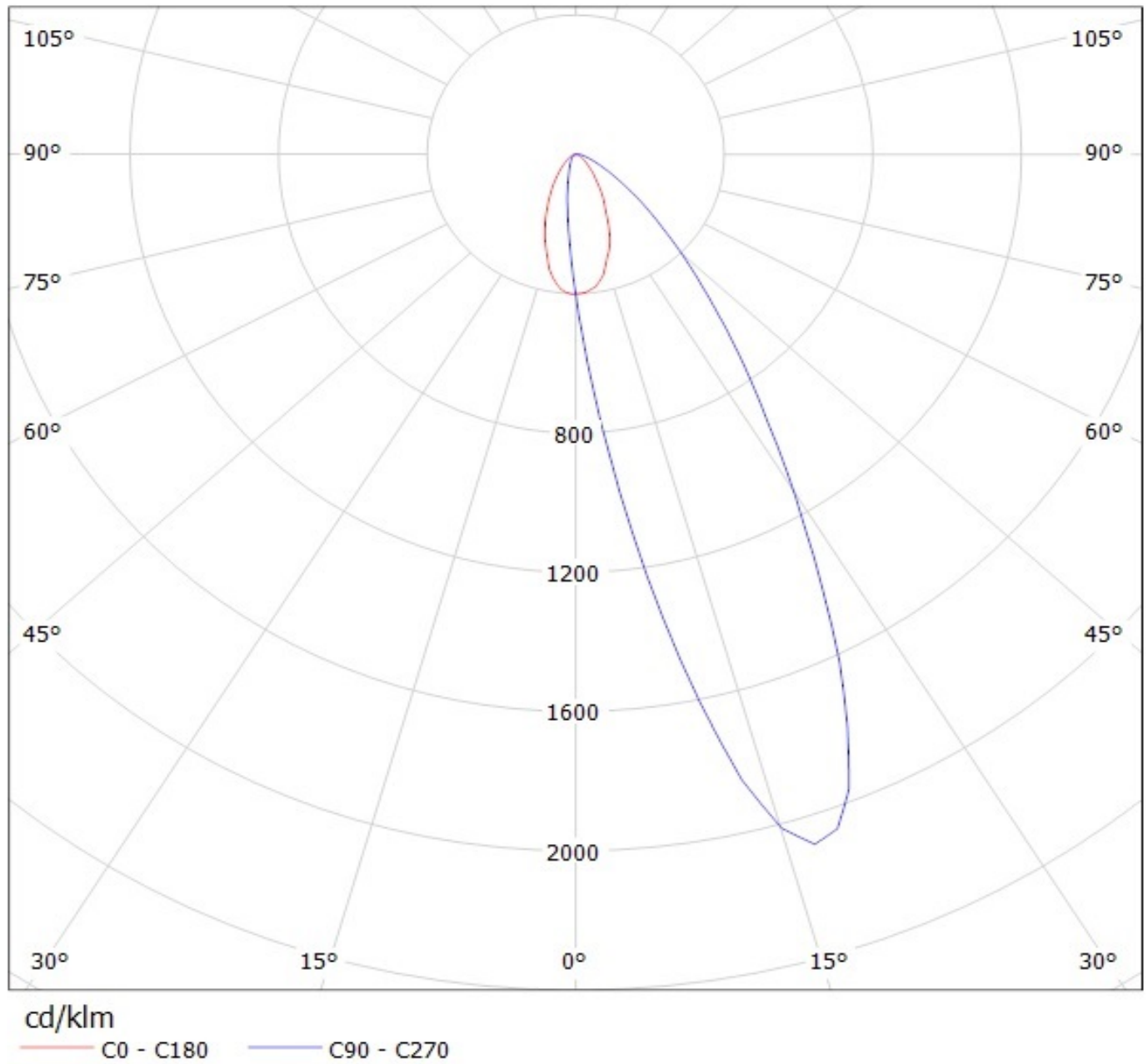
Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia NVS19 97lm @ 250mA) Efficiency=85%
Lamps: 1 x Nichia NVS19 97lm @ 250mA CCT=5320K P=0,75W I=250mA



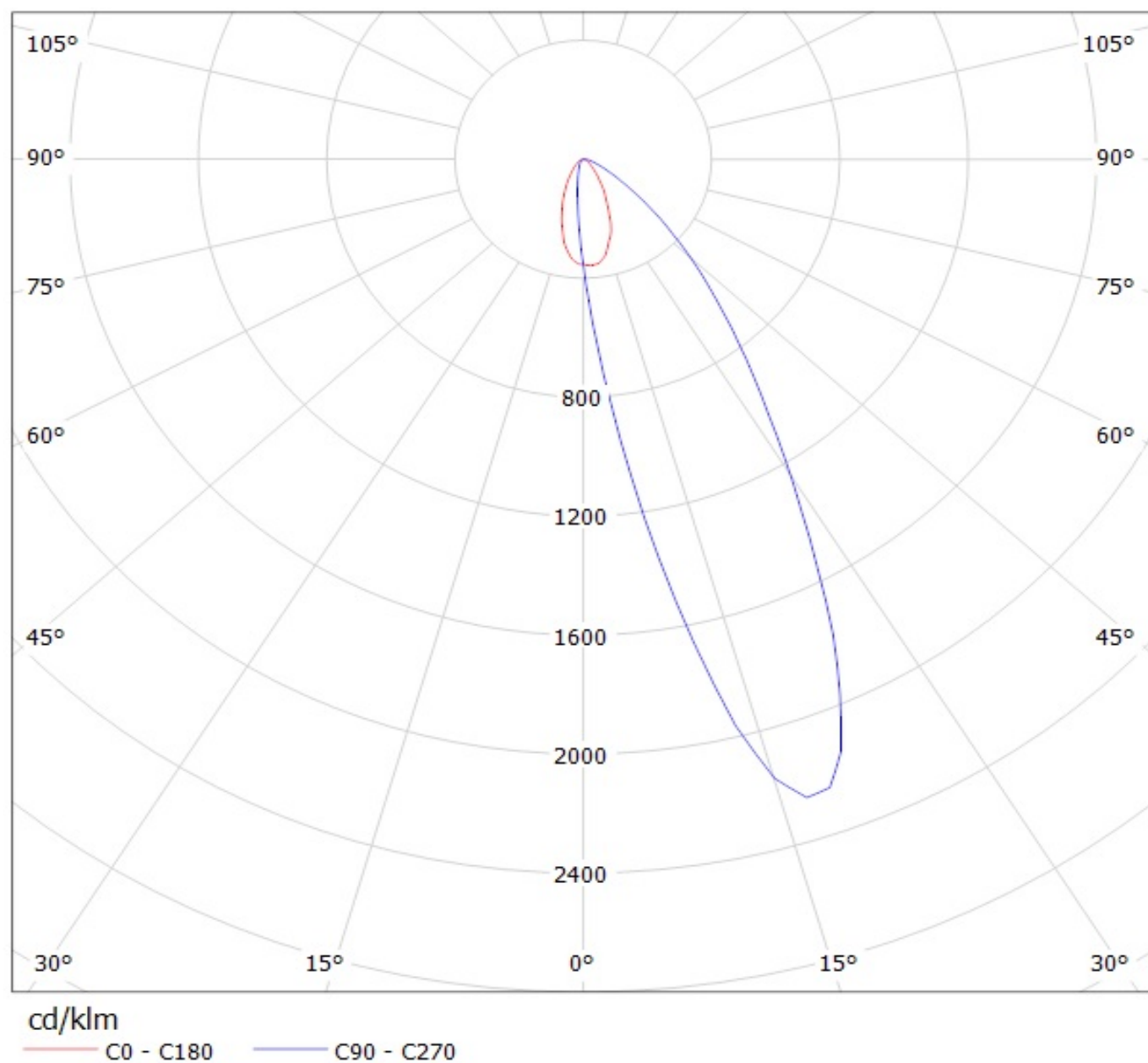
Luminaire: Ledil Oy FCA13329_BILLIE-A (Nichia 757 67lm @ 100mA) Efficiency=88%
Lamps: 1 x Nichia 757 67lm @ 100mA CCT=4715K P=0,6W I=100mA



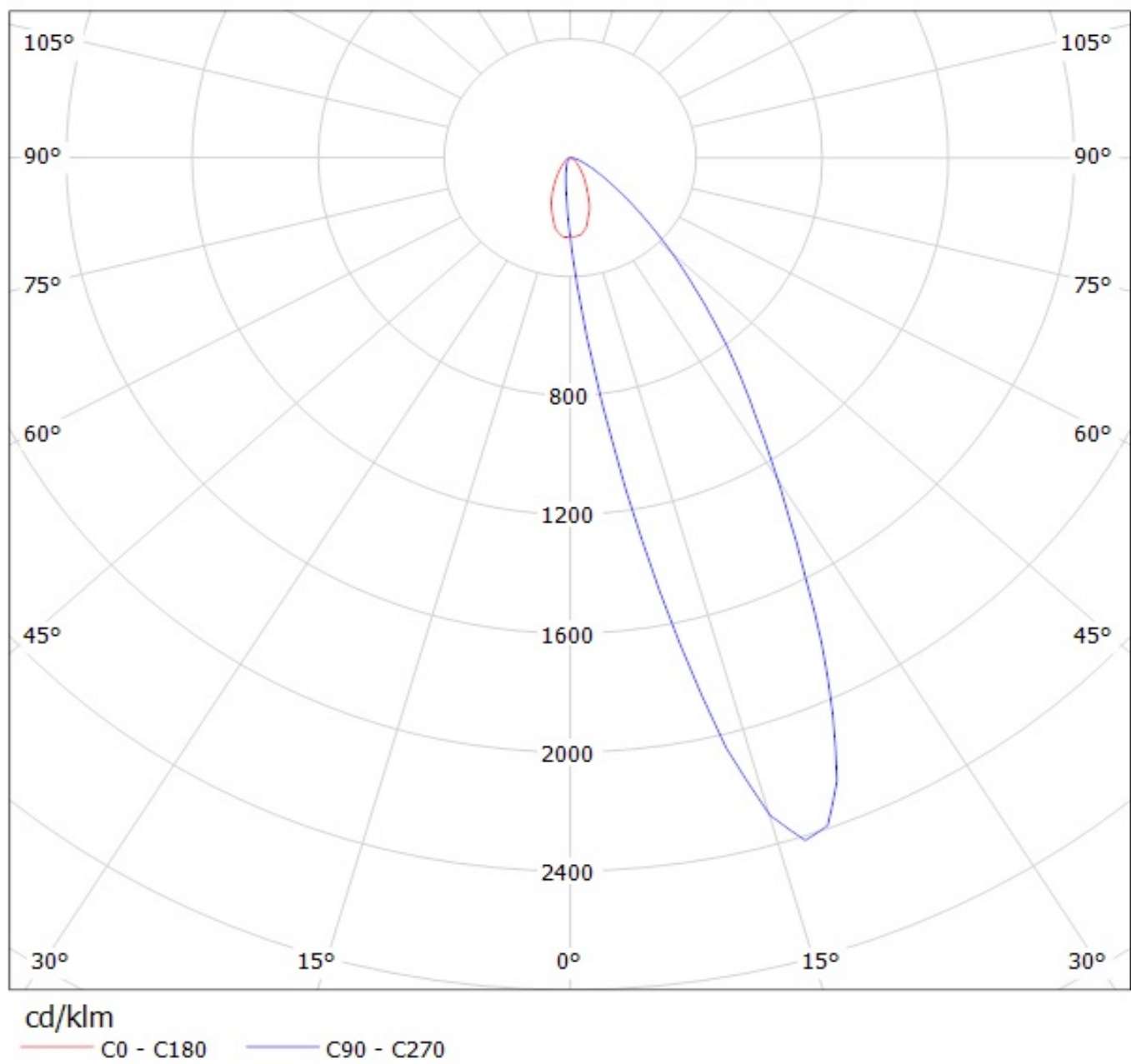
Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XT-E 103lm @ 250mA) Efficiency=87%
Lamps: 1 x Cree XT-E 103lm @ 250mA CCT=4425K P=0,75W I=250mA



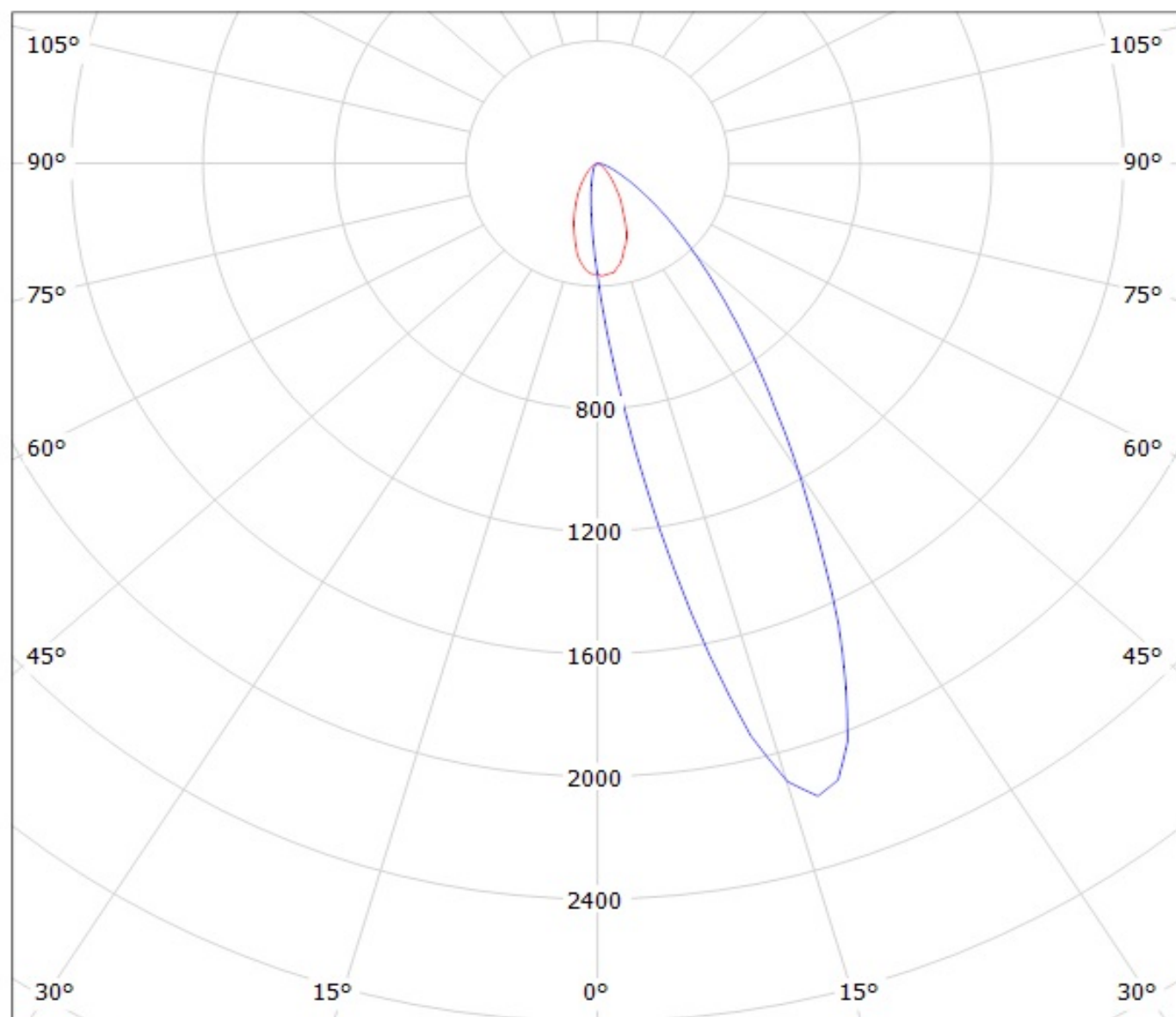
Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XP-G 62lm @ 250mA) Efficiency=88%
Lamps: 1 x Cree XP-G 62lm @ 250mA CCT=3218K P=0,75W I=250mA



Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XP-E 51lm @ 250mA) Efficiency=89%
Lamps: 1 x Cree XP-E 51lm @ 250mA CCT=2864K P=0,75W I=250mA



Luminaire: Ledil Oy FCA13329_BILLIE-A (Luxeon Rebel 61lm @ 250mA) Efficiency=87%
Lamps: 1 x Luxeon Rebel 61lm @ 250mA CCT=2872K P=0,75W I=250mA

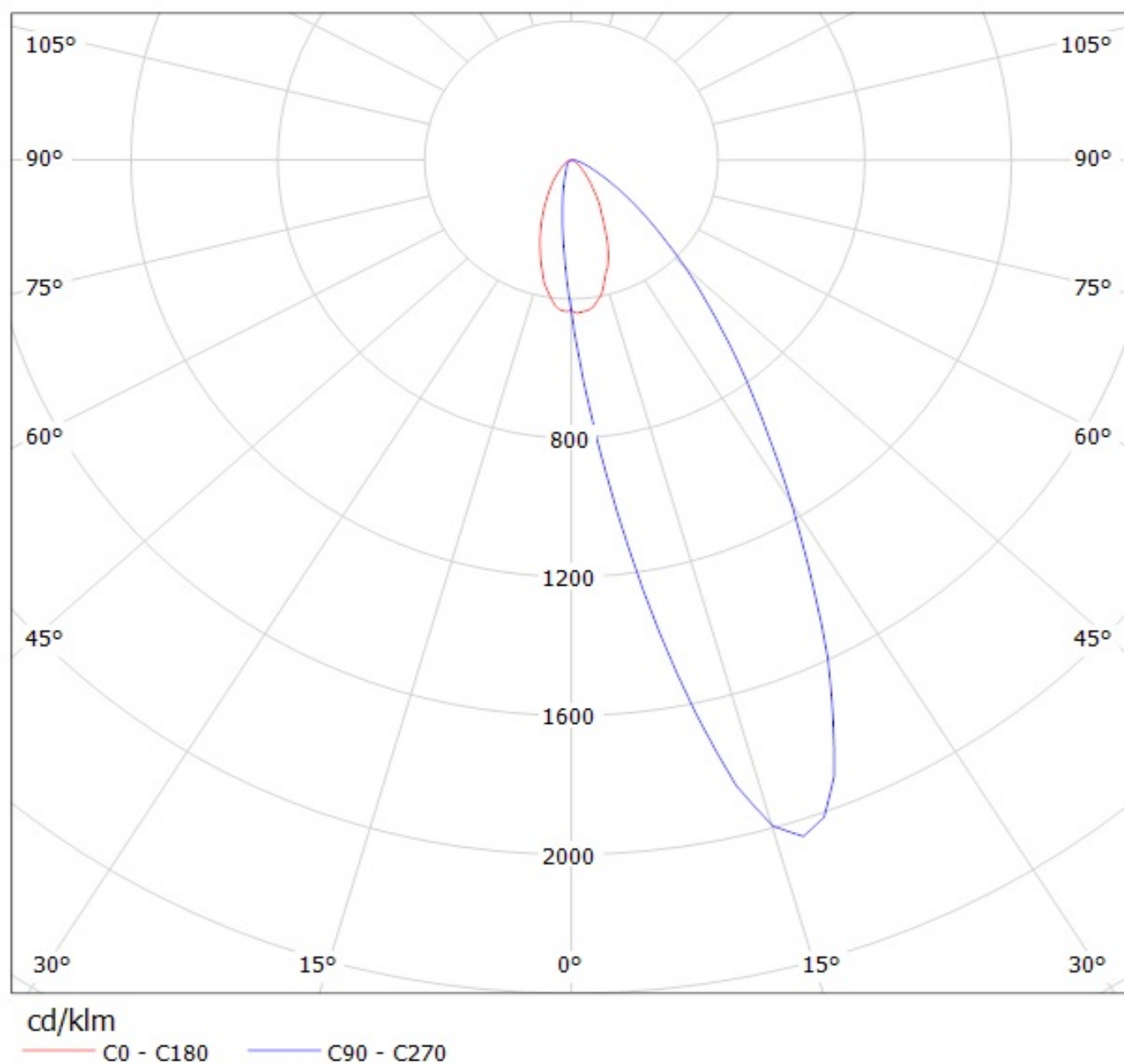


cd/klm

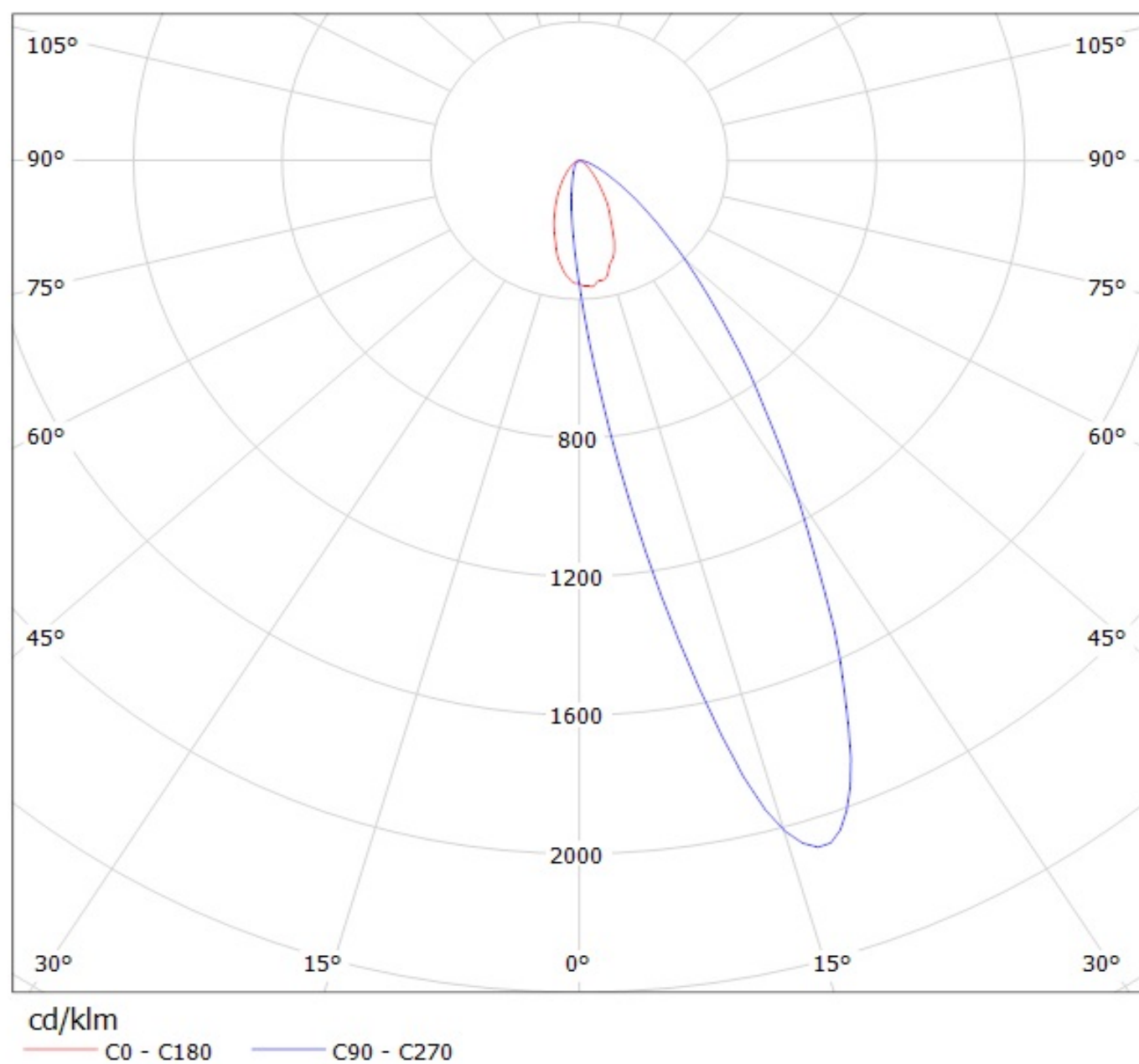
— C0 - C180

— C90 - C270

Luminaire: Ledil Oy FCA13329_BILLIE-A (Luxeon Rebel-ES 87lm @ 250mA) Efficiency=88%
Lamps: 1 x Luxeon Rebel-ES 87lm @ 250mA CCT=6045K P=0,75W I=250mA

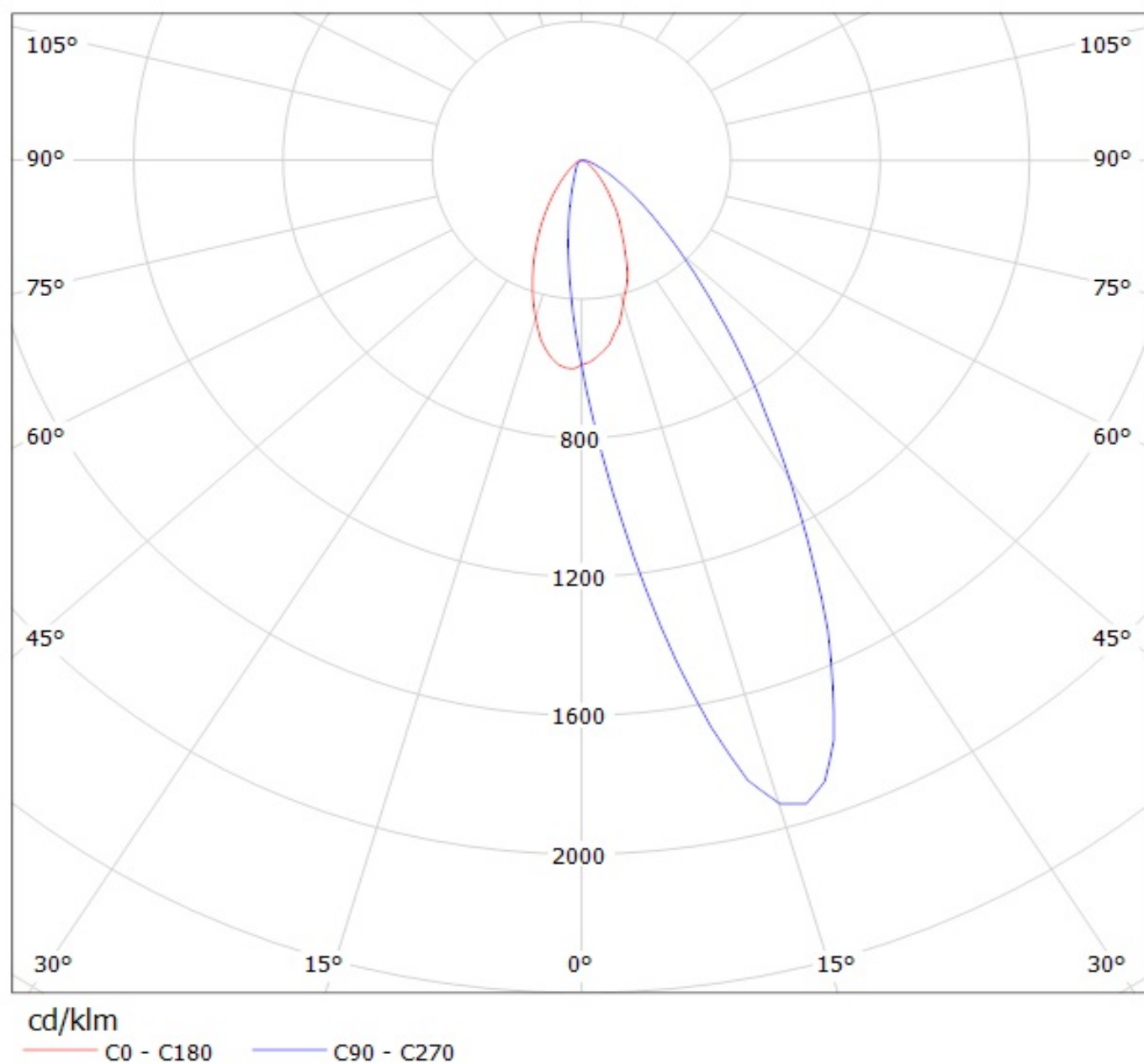


Luminaire: Ledil Oy FCA13329_BILLIE-A (Cree XB-D 90lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XB-D 90lm @ 250mA CCT=6580K P=0,75W I=250mA



Luminaire: LEDil Oy FCA13329_BILLIE-A_(DURIS_S5) Efficiency=90%

Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



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.