

DETAILS

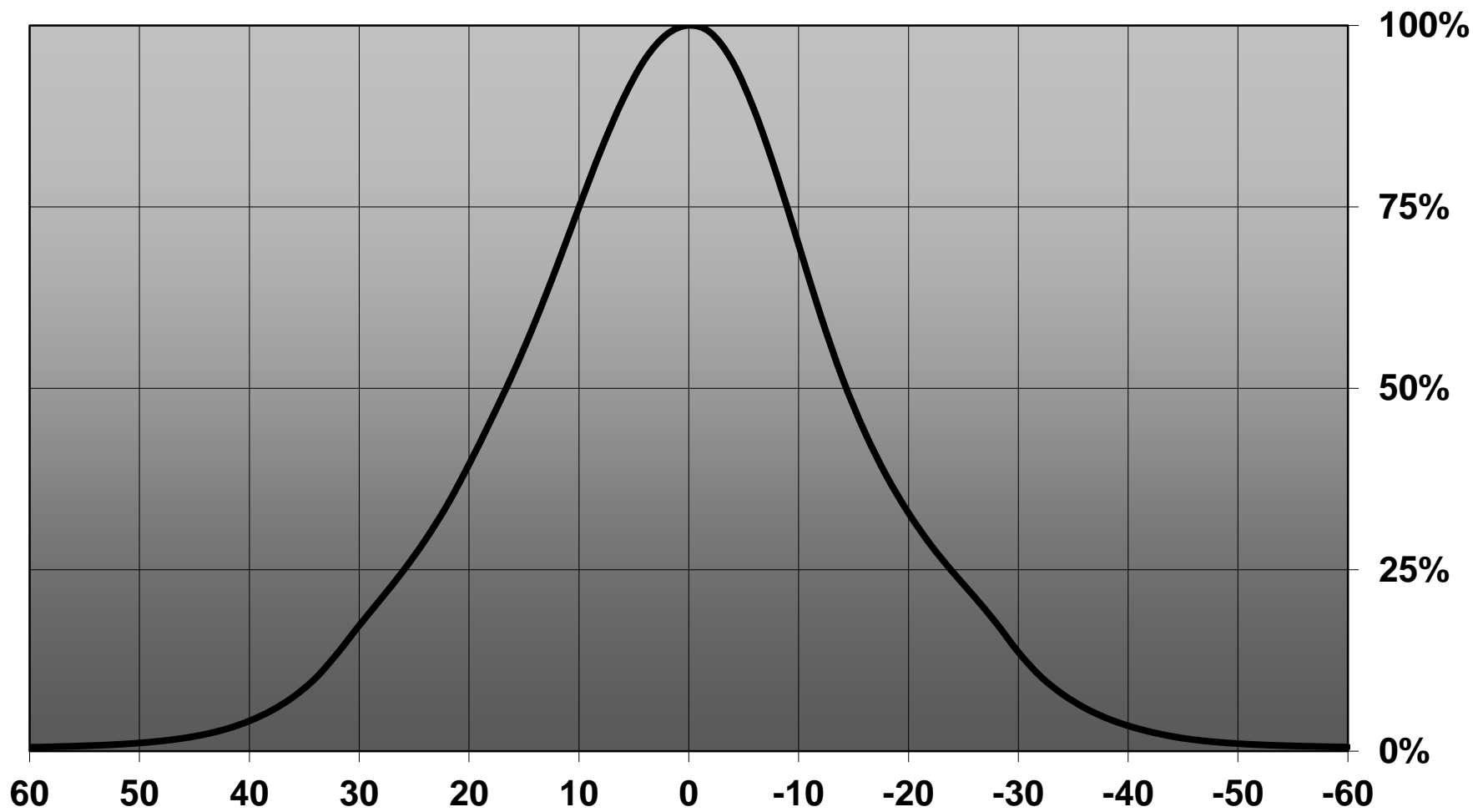
Ordering Number	C13095_MELODY-3-M
Family	Melody
Type	Lens array
Color	clear
Diameter	50,6 mm
Height	11,9 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	ready
ROHS Compliant	Yes
Date Updated	2/10/2013



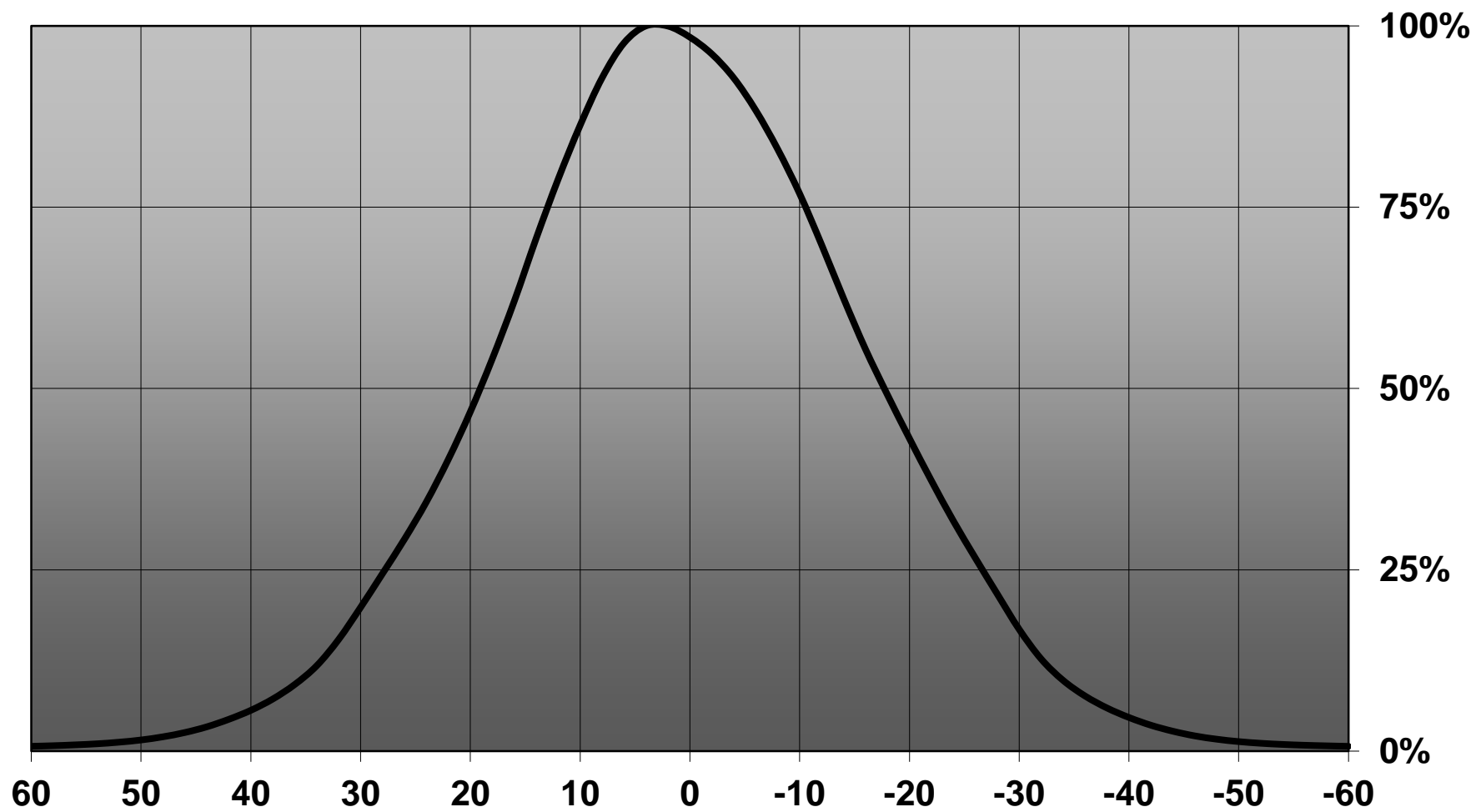
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm
LUXEON H50-2	(simulated) 36		(simulated) 92 %	(simulated) 2.000
Oslon SSL 80	29 degrees		92 %	2.330
NCSxx19A	29.5 degrees		92 %	2.520
NCSxx19B	31 degrees		91 %	2.400
LUXEON Rebel	31 degrees		93 %	2.300

Relative intensity of C13095_MELODY-3-M (Rebel)



Relative intensity of C13095_MELODY-3-M (Rebel-ES)

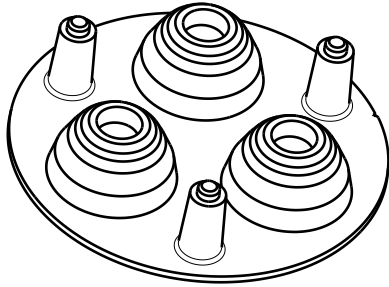
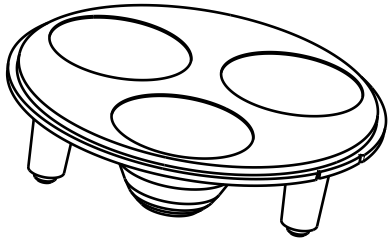


D

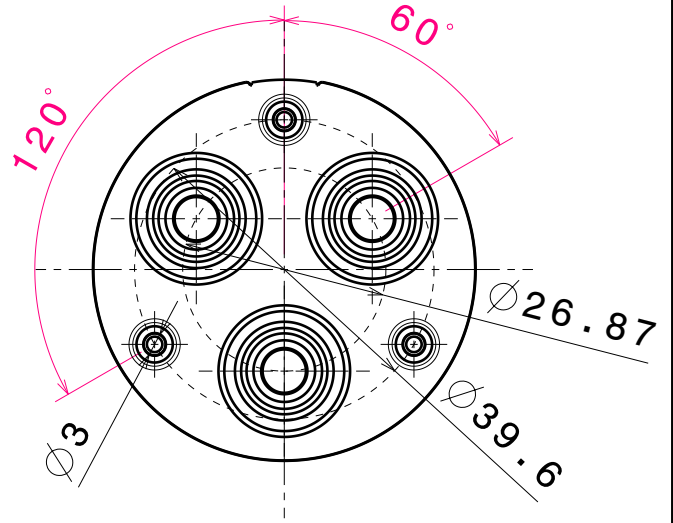
C

B

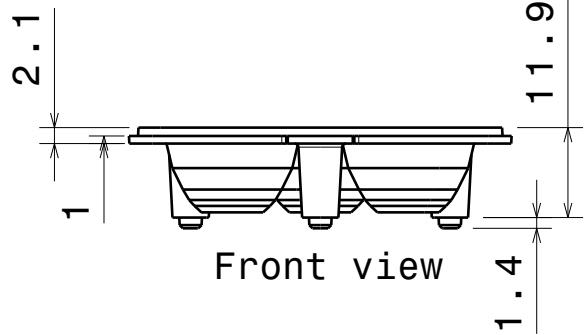
A



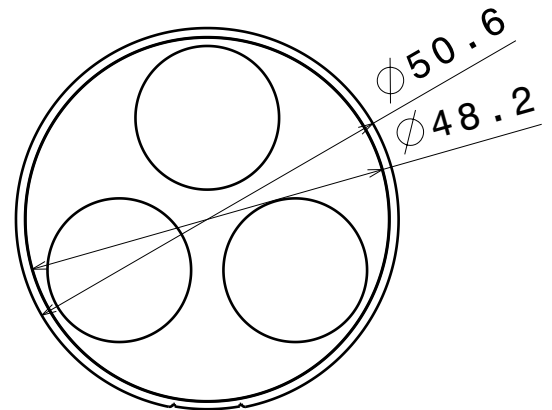
Isometric view



Bottom view



Front view



Top view

Material: PMMA

Tolerances for dimensions:
 0-20mm tolerance value $\pm 0.1\text{mm}$
 21-45mm tolerance value $\pm 0.2\text{mm}$
 46-90mm tolerance value $\pm 0.3\text{mm}$
 91-100mm tolerance value $\pm 0.4\text{mm}$
 101-150mm tolerance value $\pm 0.5\text{mm}$

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Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

Datasheet C13095_MELODY-3-M

DRAWN BY

mav

DATE

21.08.2012

CHECKED BY

pv

DATE

21.08.2012

SIZE

A4

DRAWING NUMBER

C13095

REV

1

DESIGNED BY

mav

DATE

15.08.2012

SCALE

1:1

WEIGHT (g)

SHEET

1/1

D

A

4

4

3

3

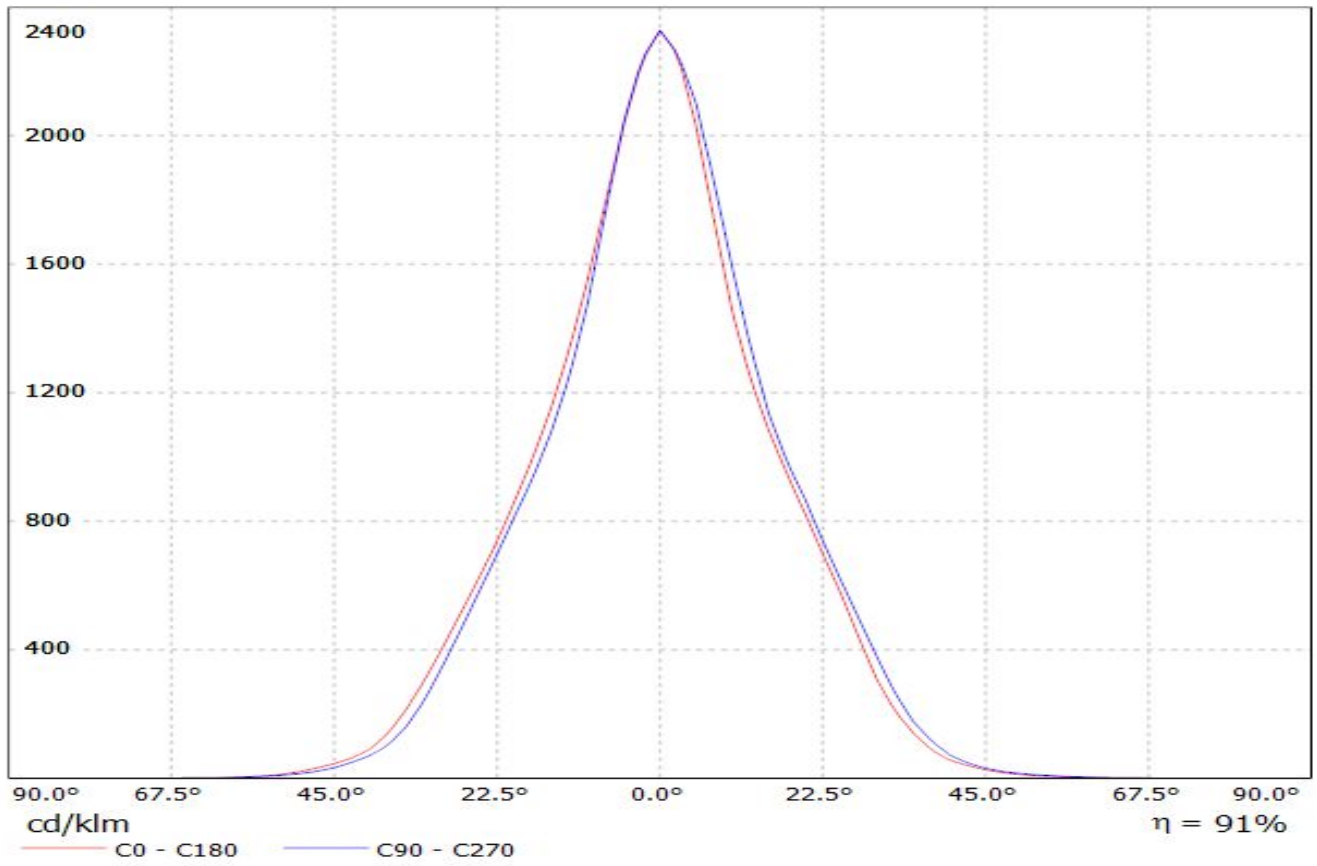
2

2

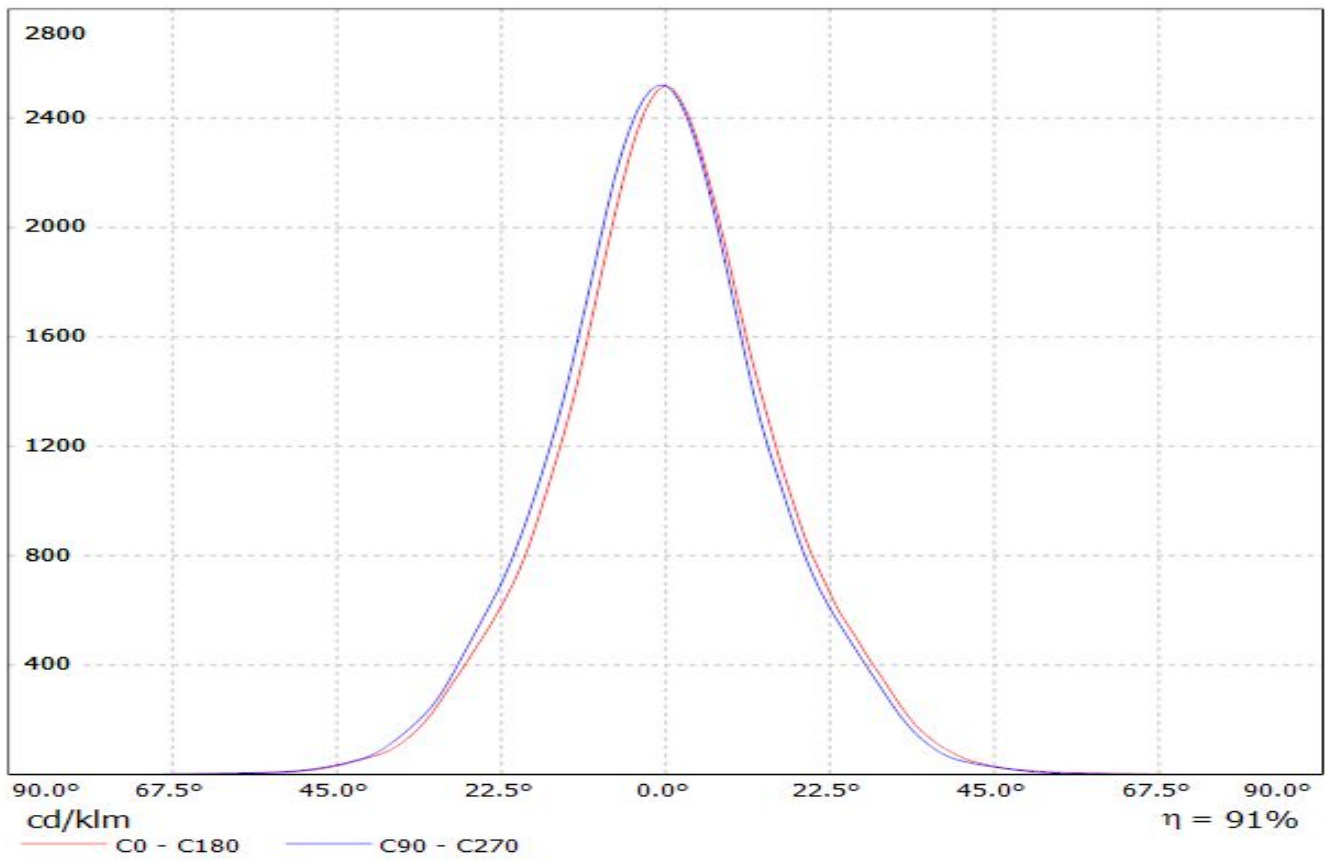
1

1

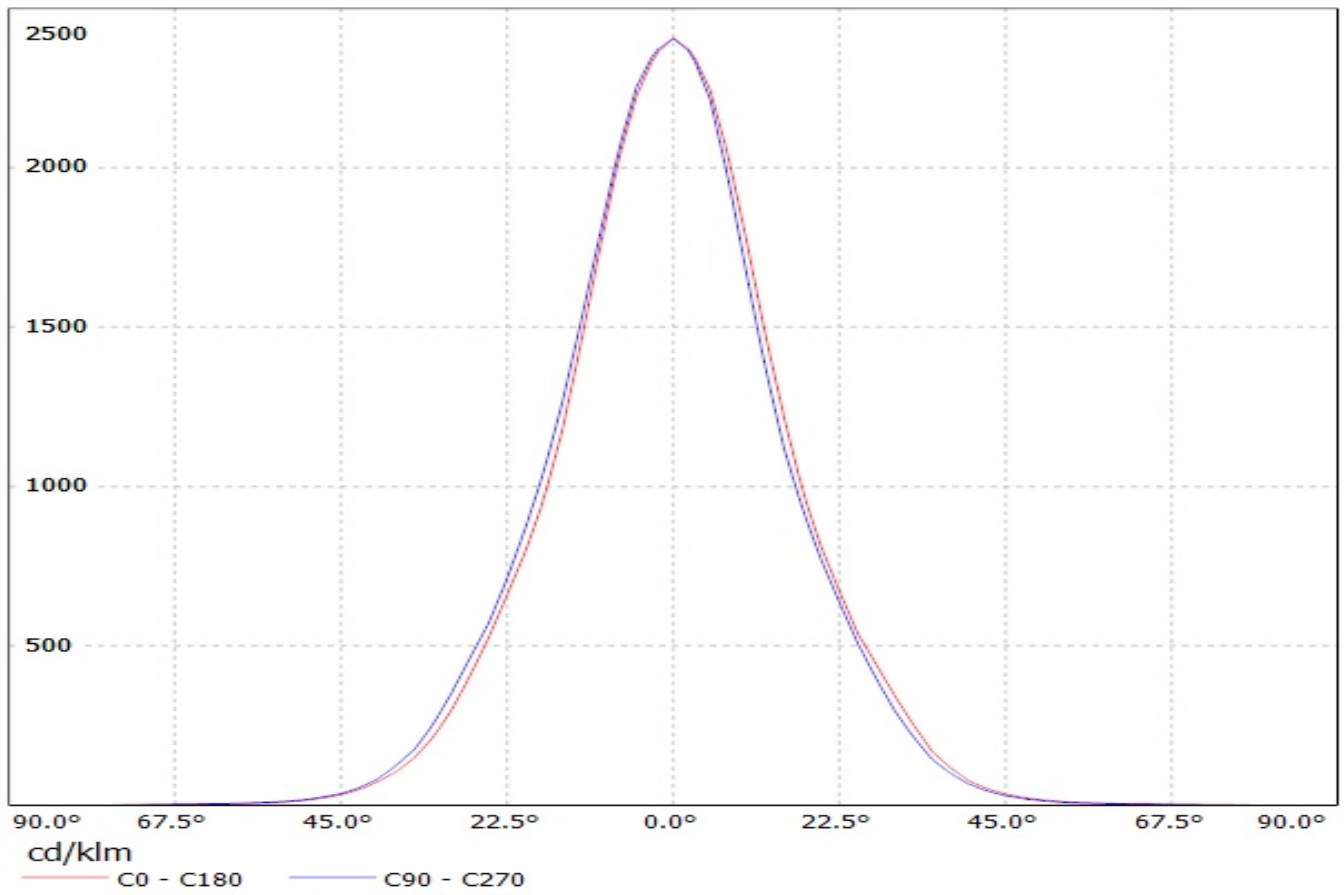
Luminaire: LEDiL C13095_MELODY-3-M_(SSL80) Eff 92%
Lamps: 1 x Oslon SSL80 (203lm@250mA)



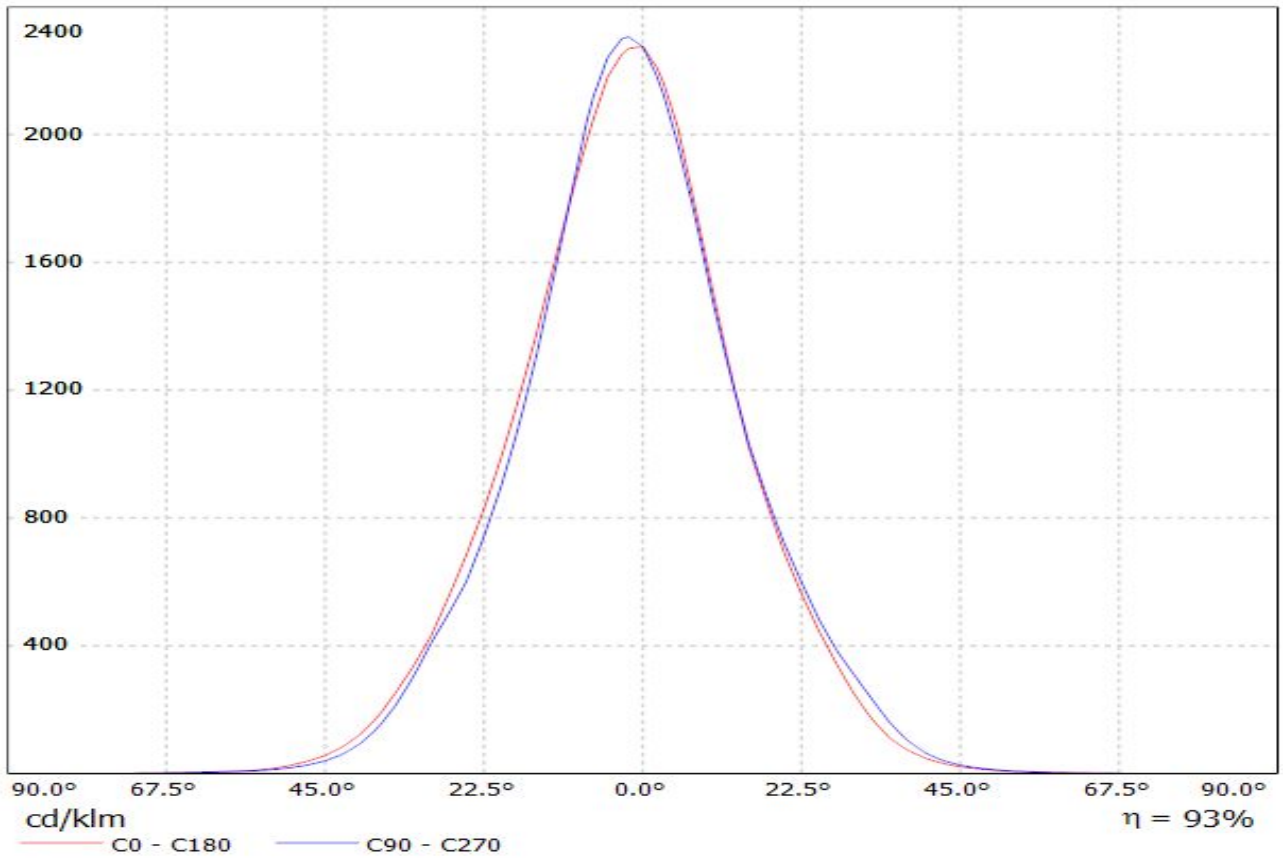
Luminaire: LEDiL C13095_MELODY-3-M_(NCS19) Eff. 92%
Lamps: 1 x Nichia NCS19 (257lm@250mA)



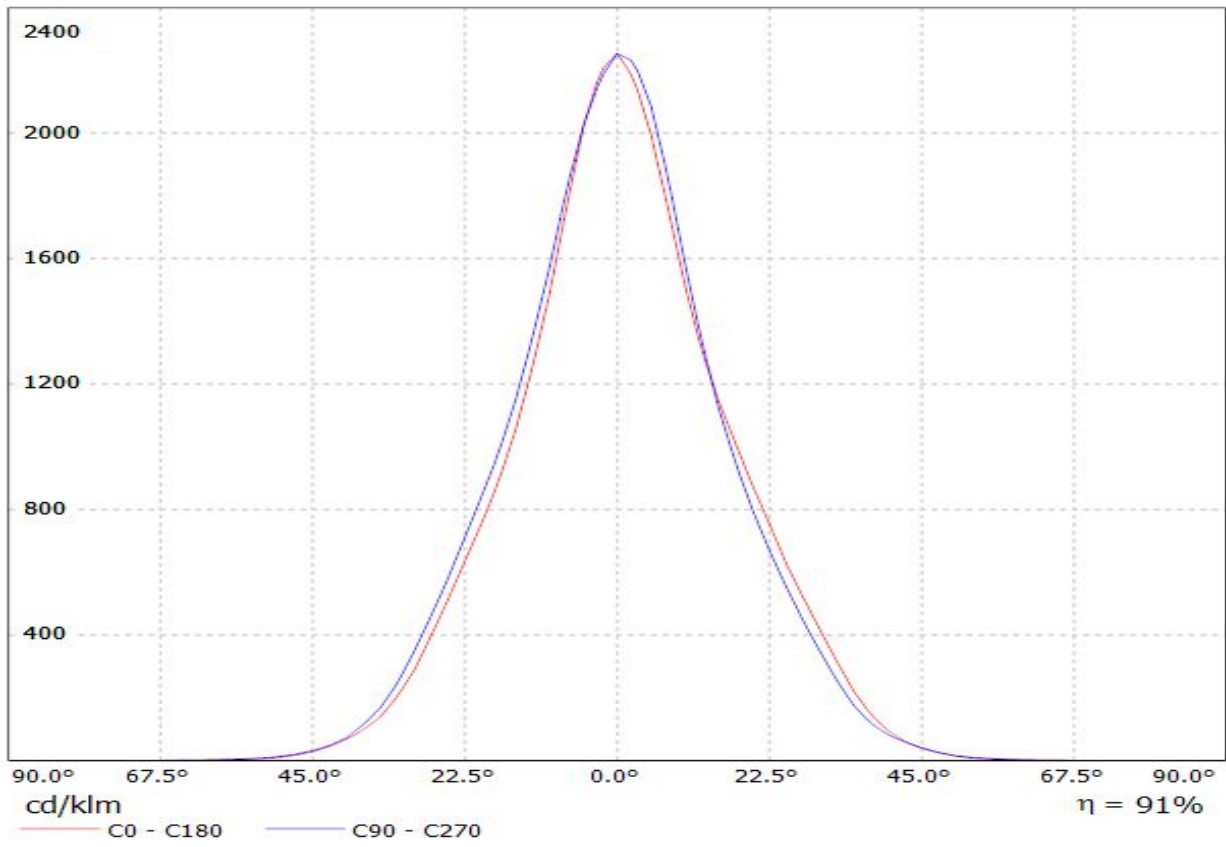
Luminaire: Ledil Oy C13095_MELODY-3-M_(NCSxx19B) Efficiency=91%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 272lm @ 250mA CCT=3000K P=2.3W I=250mA



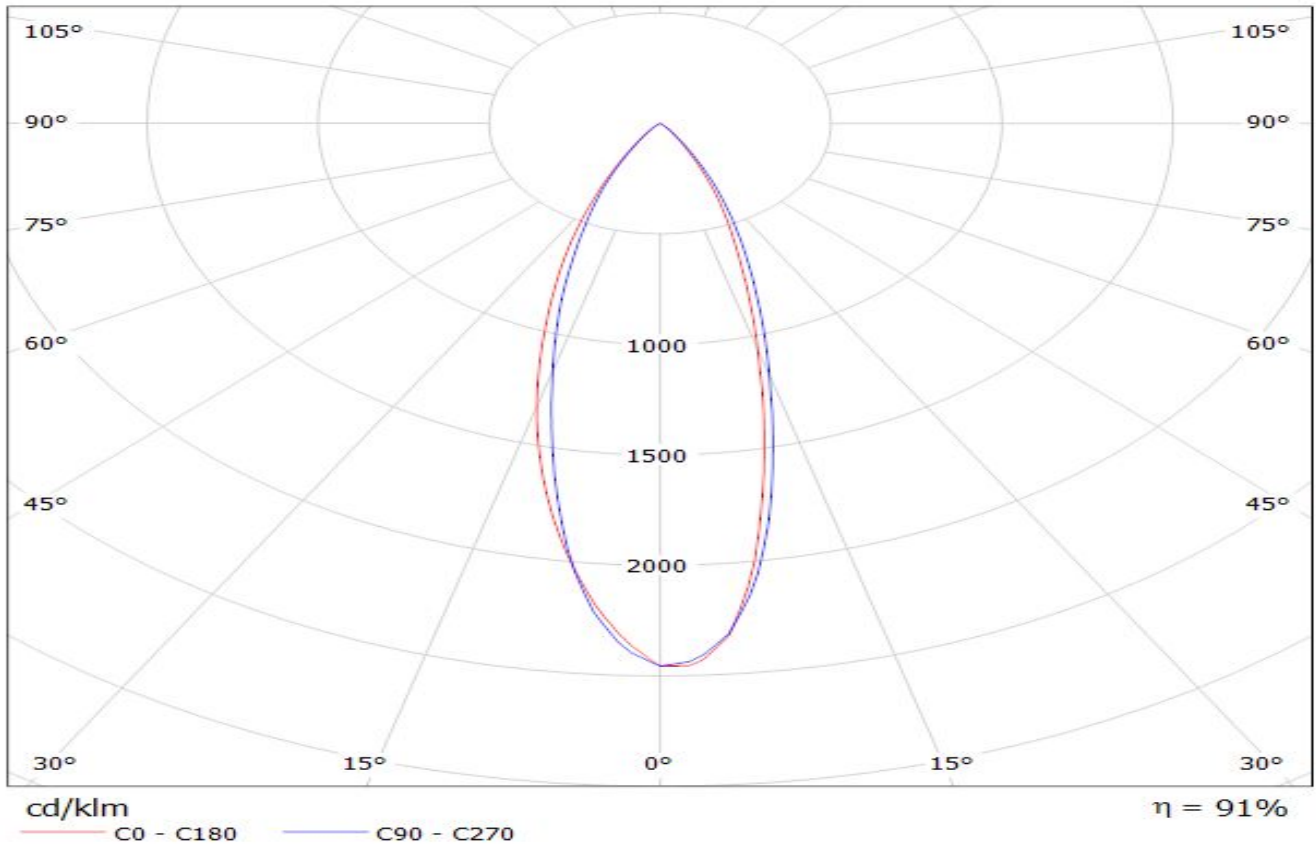
Luminaire: LEDiL Luminaire Catalog Number C13095_MELODY-3-M_(Rebel) Eff. 93%
Lamps: 1 x Luxeon Rebel (183lm@250mA)



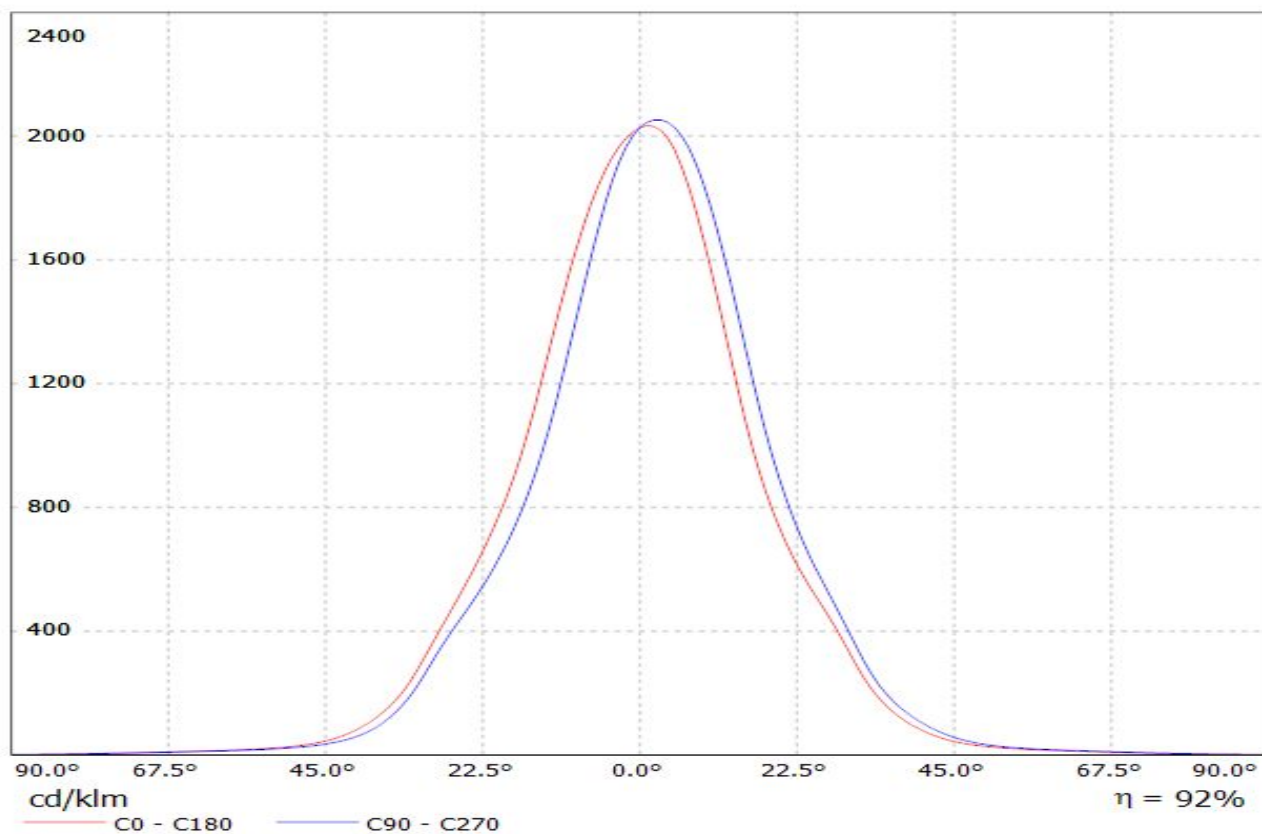
Luminaire: LEDiL C13095_MELODY-3-M_(XP-E) Eff. 93%
Lamps: 1 x Cree XP-E (156.4lm@250mA)



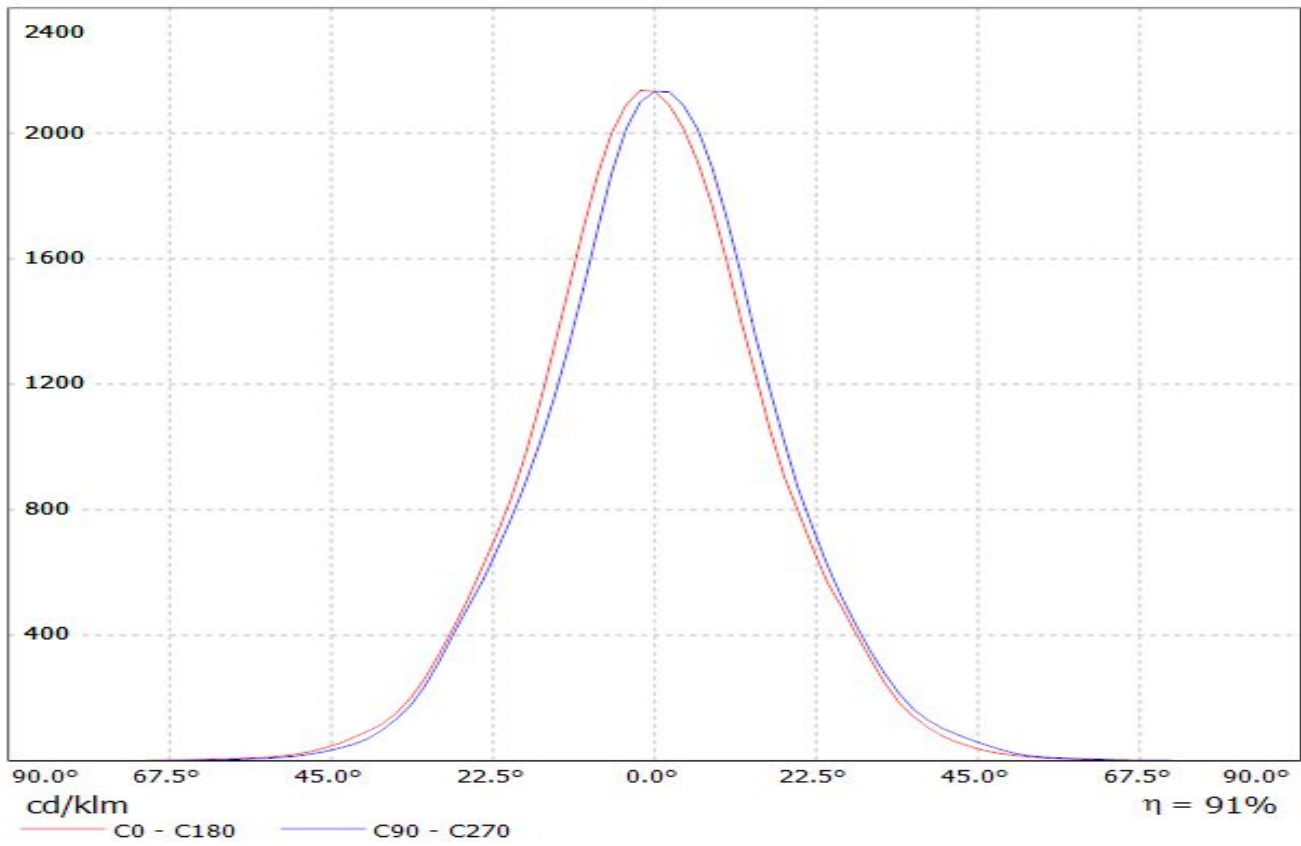
Luminaire: LEDiL C13095_MELODY-3-M_(SSL150) Eff.93%
Lamps: 1 x Oslon SSL150 (326lm@250mA)



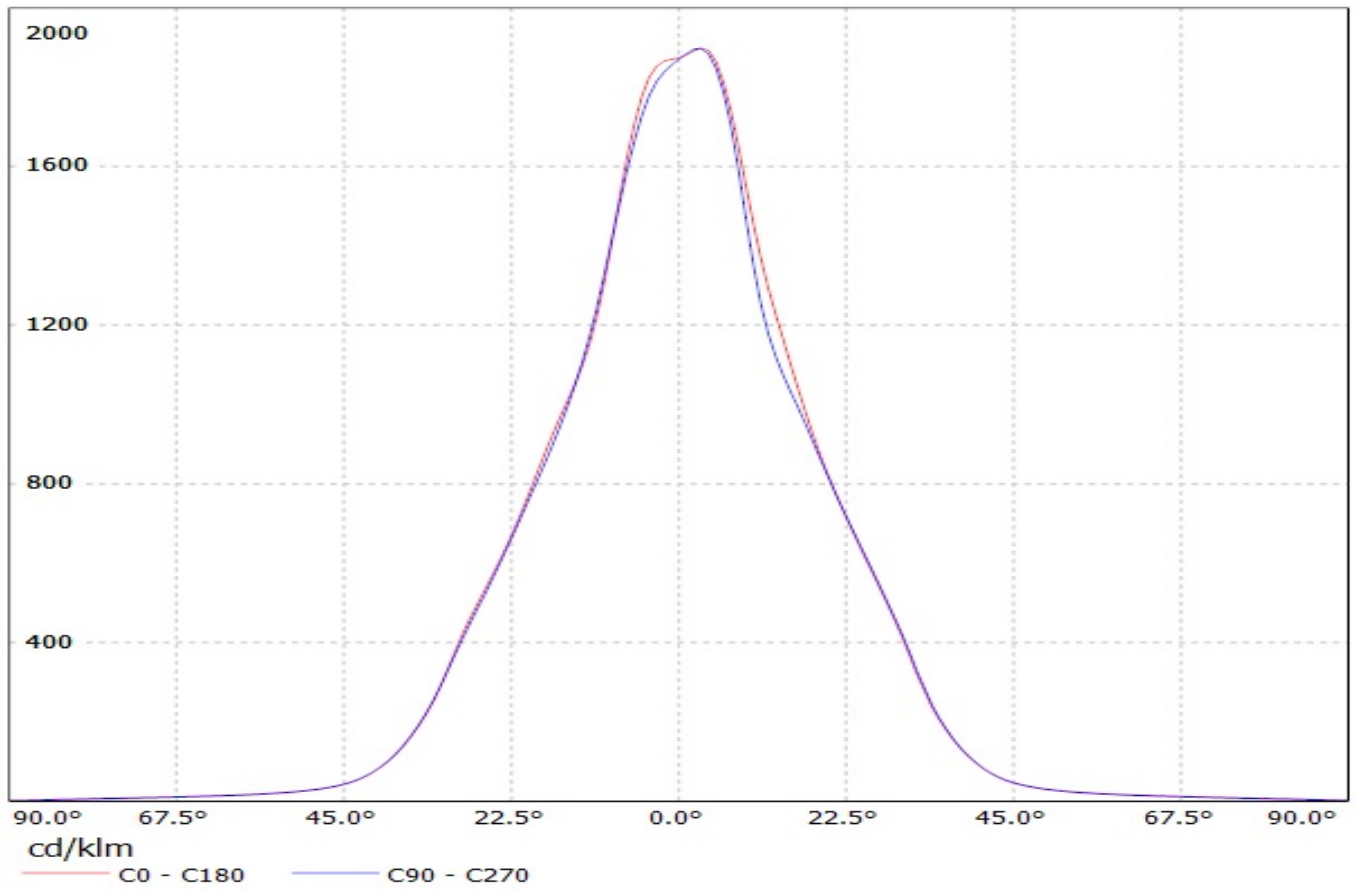
Luminaire: LEDiL Oy C13095_MELODY-3-M_(Luxeon_R) Eff.92.0%
Lamps: 1 x Luxeon_R (258.787lm@250mA)



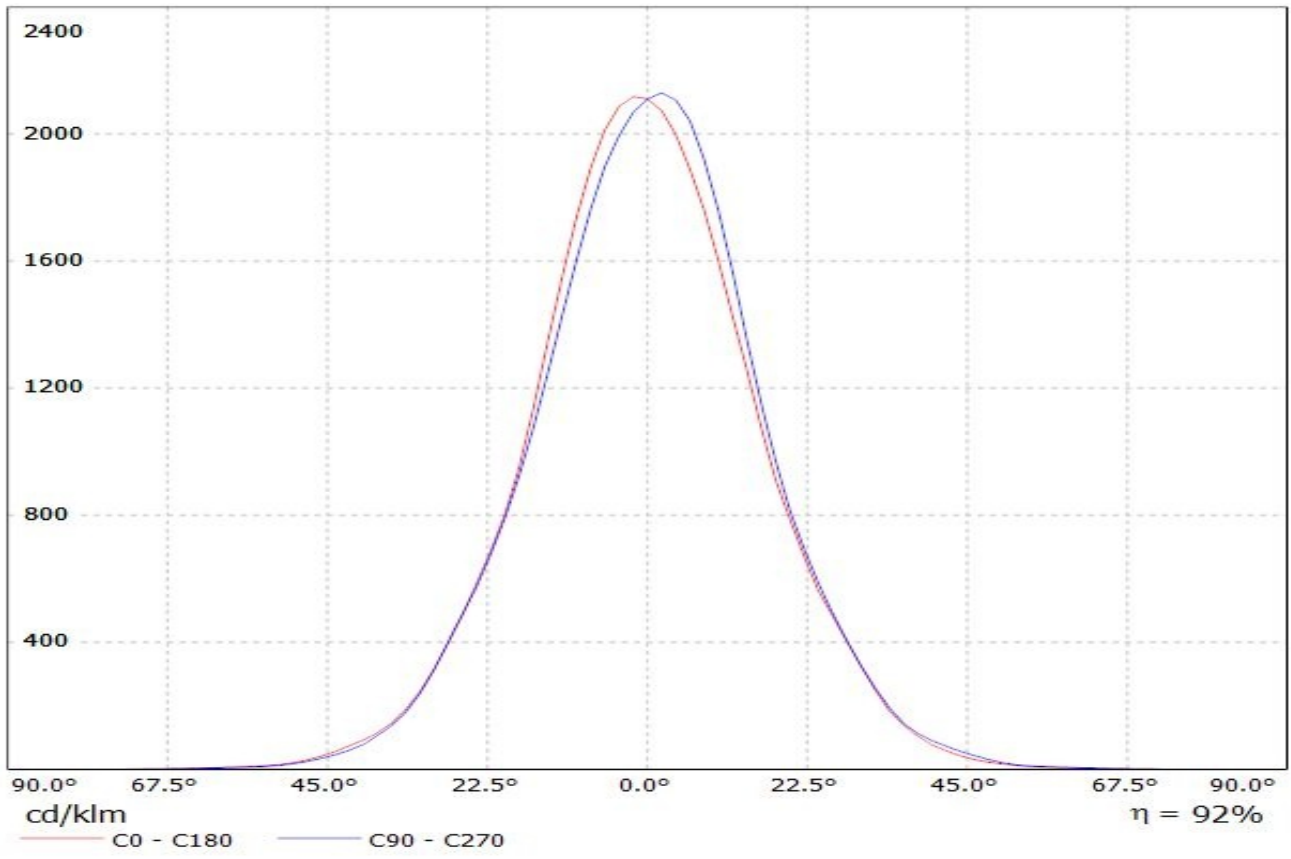
Luminaire: LEDiL C13095_MELODY-3-M_(XT-E) Eff.92%
Lamps: 1 x Cree XT-E (230lm@250mA)



Luminaire: LEDiL Oy C13095_MELODY-3-M_(XP-E2) Eff:92%
Lamps: 1 x CREE_XP-E2-MELODY_3_255.522lm@250mA_P=2.21794W_I=249.9mA

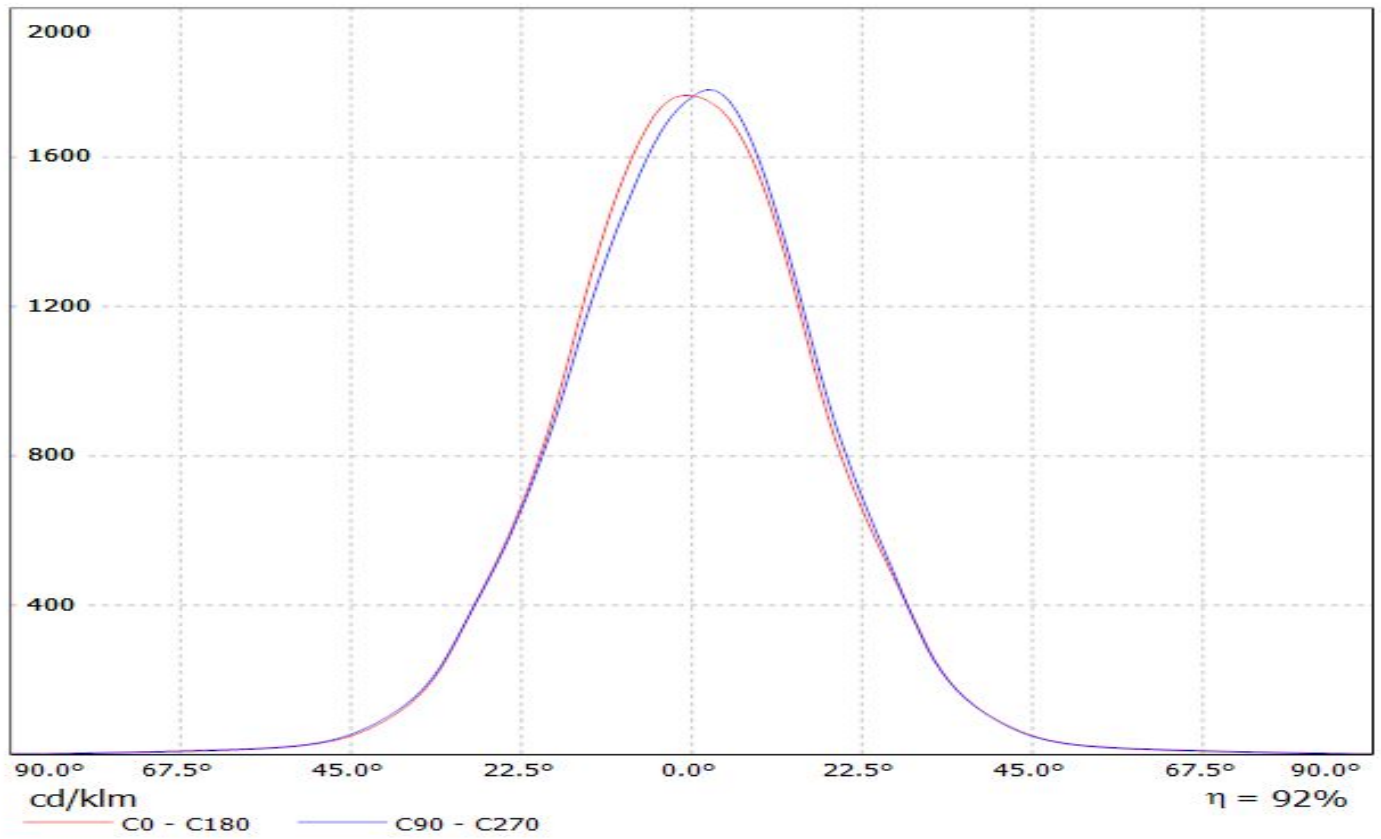


Luminaire: LEDiL C13095_MELODY-3-M Eff. 92%
Lamps: 1 x Nichia NVSL219BE (228lm@250mA)

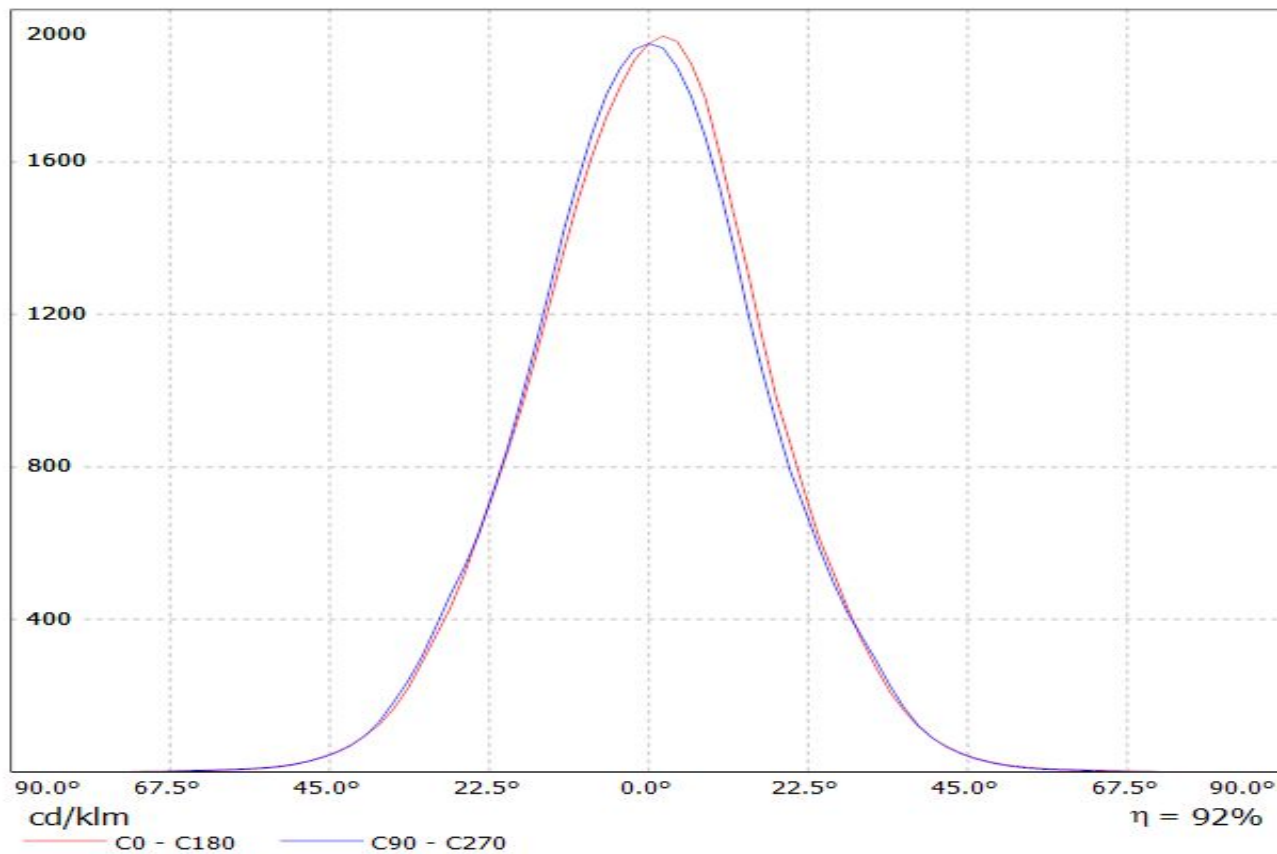


LEDiL Oy C13095_MELODY-3-M_(LUXEON_T) Eff.91.8% / LDC (Linear)

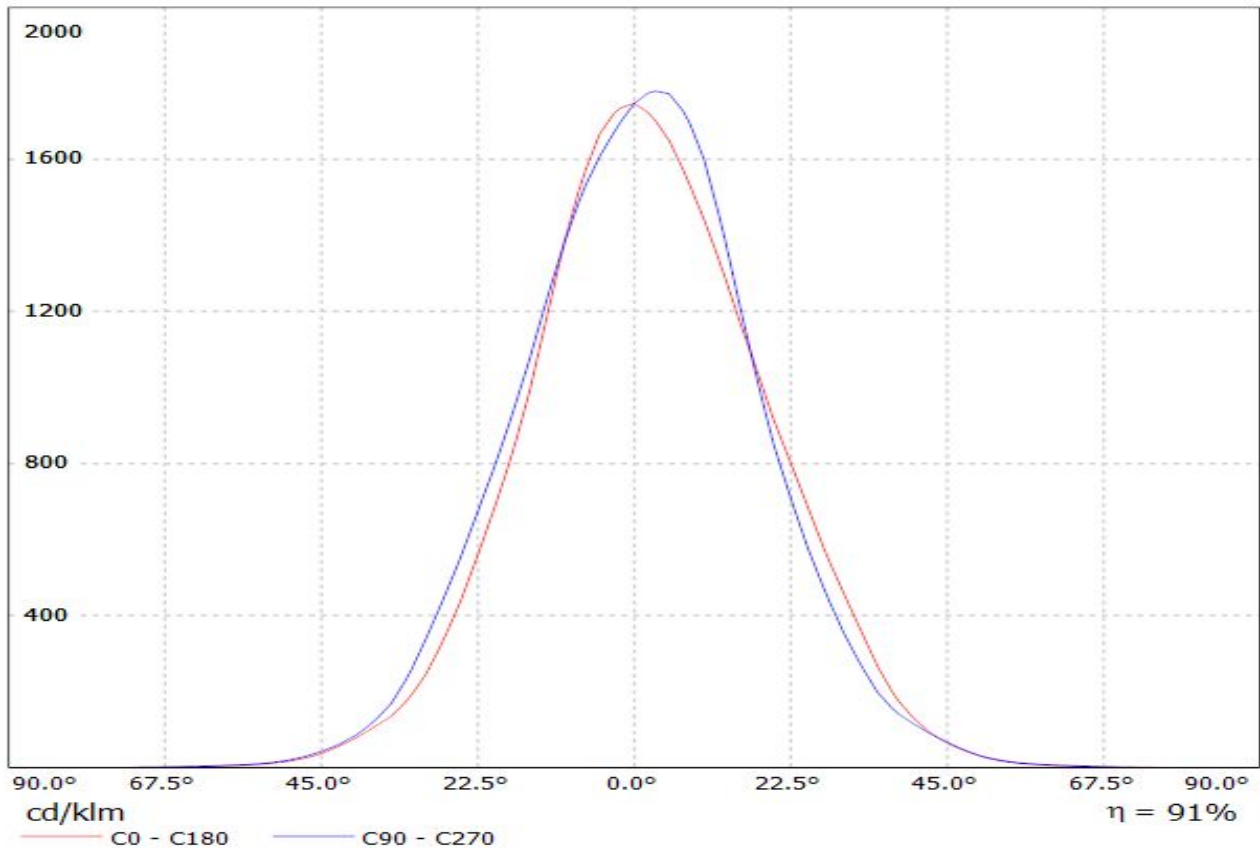
Luminaire: LEDiL Oy C13095_MELODY-3-M_(LUXEON_T) Eff.91.8%
Lamps: 1 x LUXEON_T (220lm@250mA)



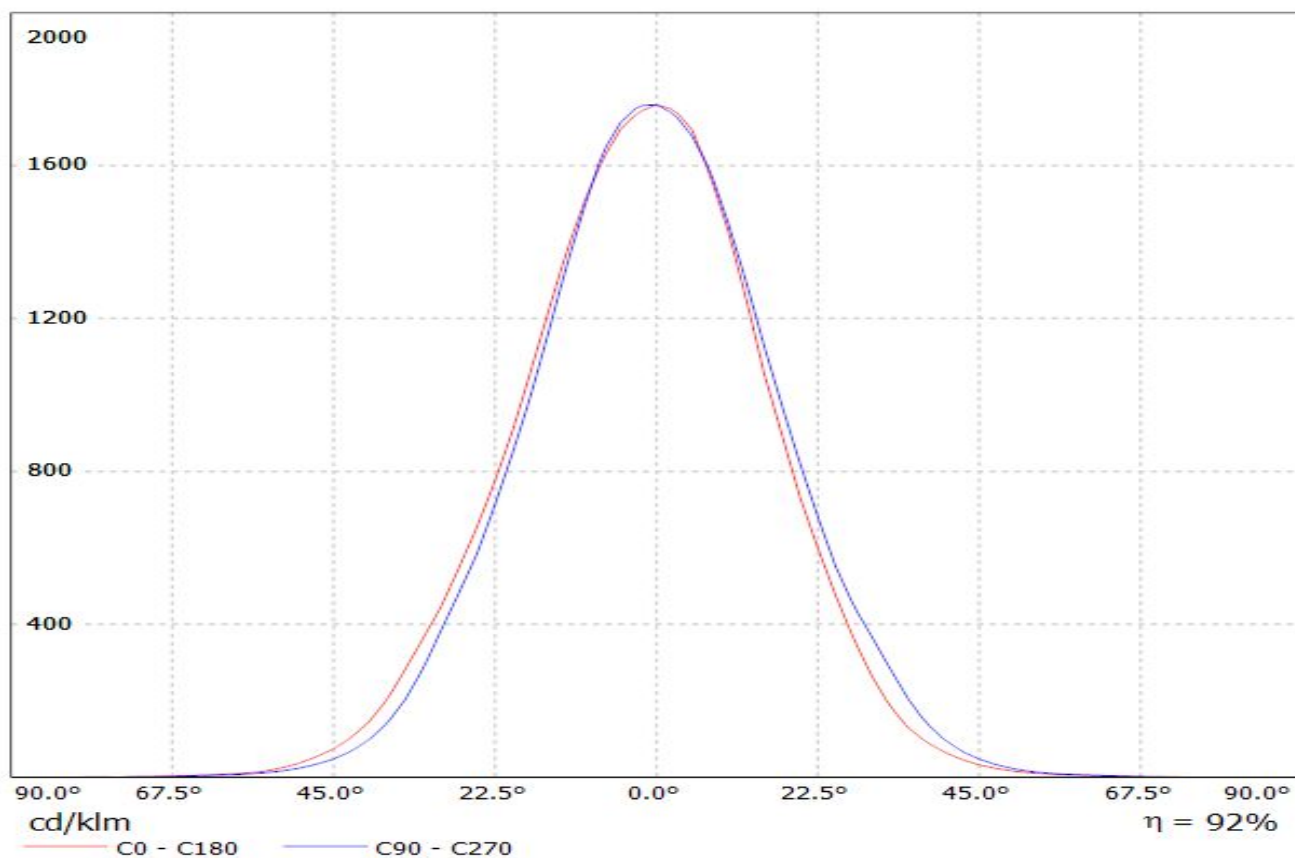
Luminaire: LEDiL C13095_MELODY-3-M_(RE-ES) Eff. 92%
Lamps: 1 x Luxeon Rebel-ES (200lm@250mA)



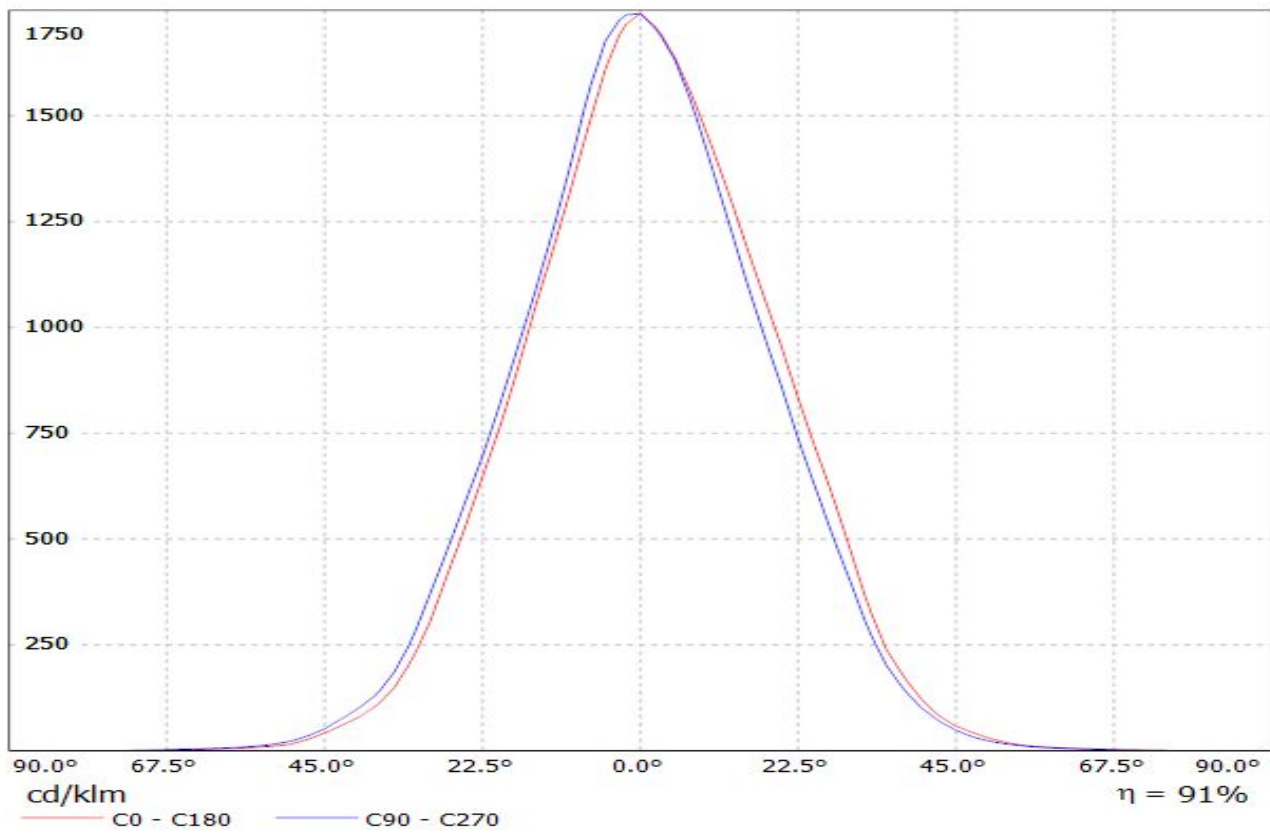
Luminaire: LEDiL C13095_MELODY-3-M_(XP-G) Eff.92%
Lamps: 1 x Cree XP-G (200lm@250mA)



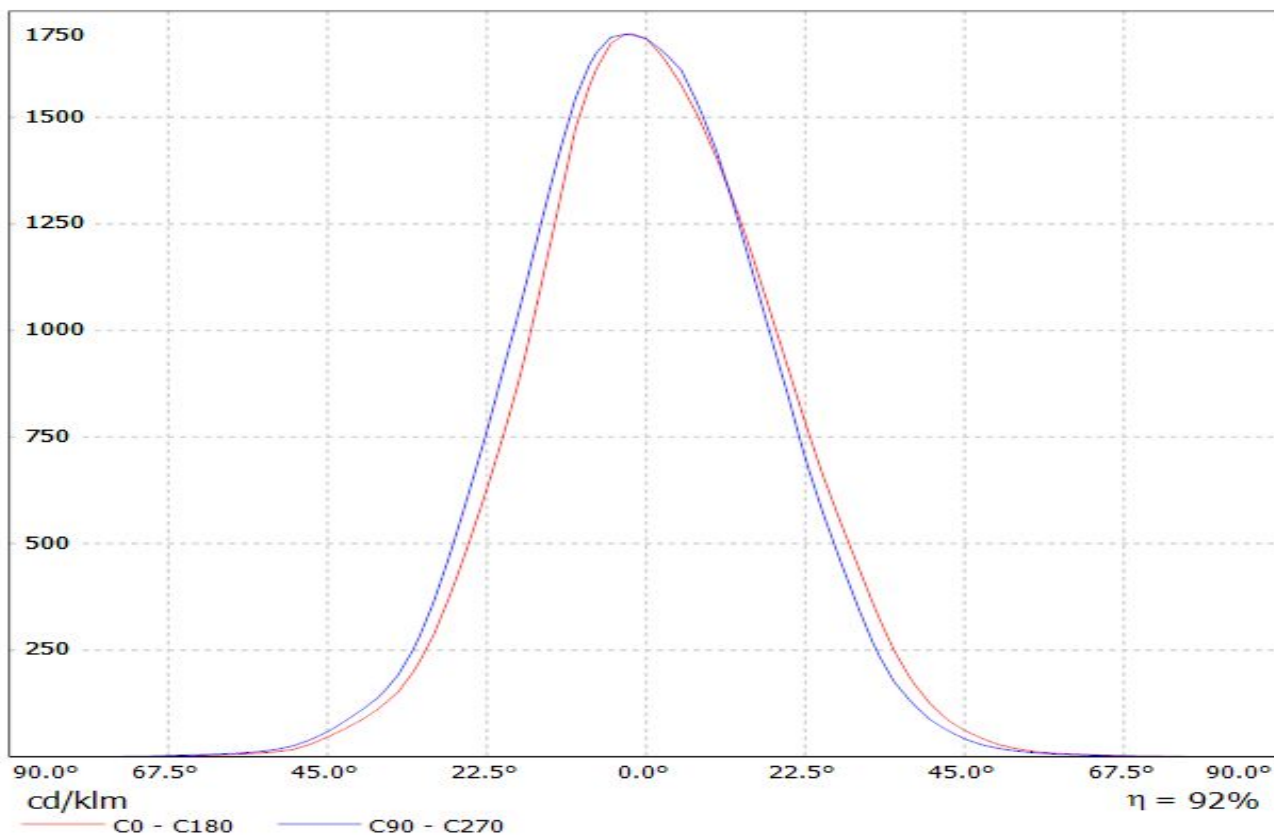
Luminaire: LEDiL C13095_MELODY-3-M_(Luxeon_A) Eff.93%
Lamps: 1 x Luxeon A (193lm@250mA)



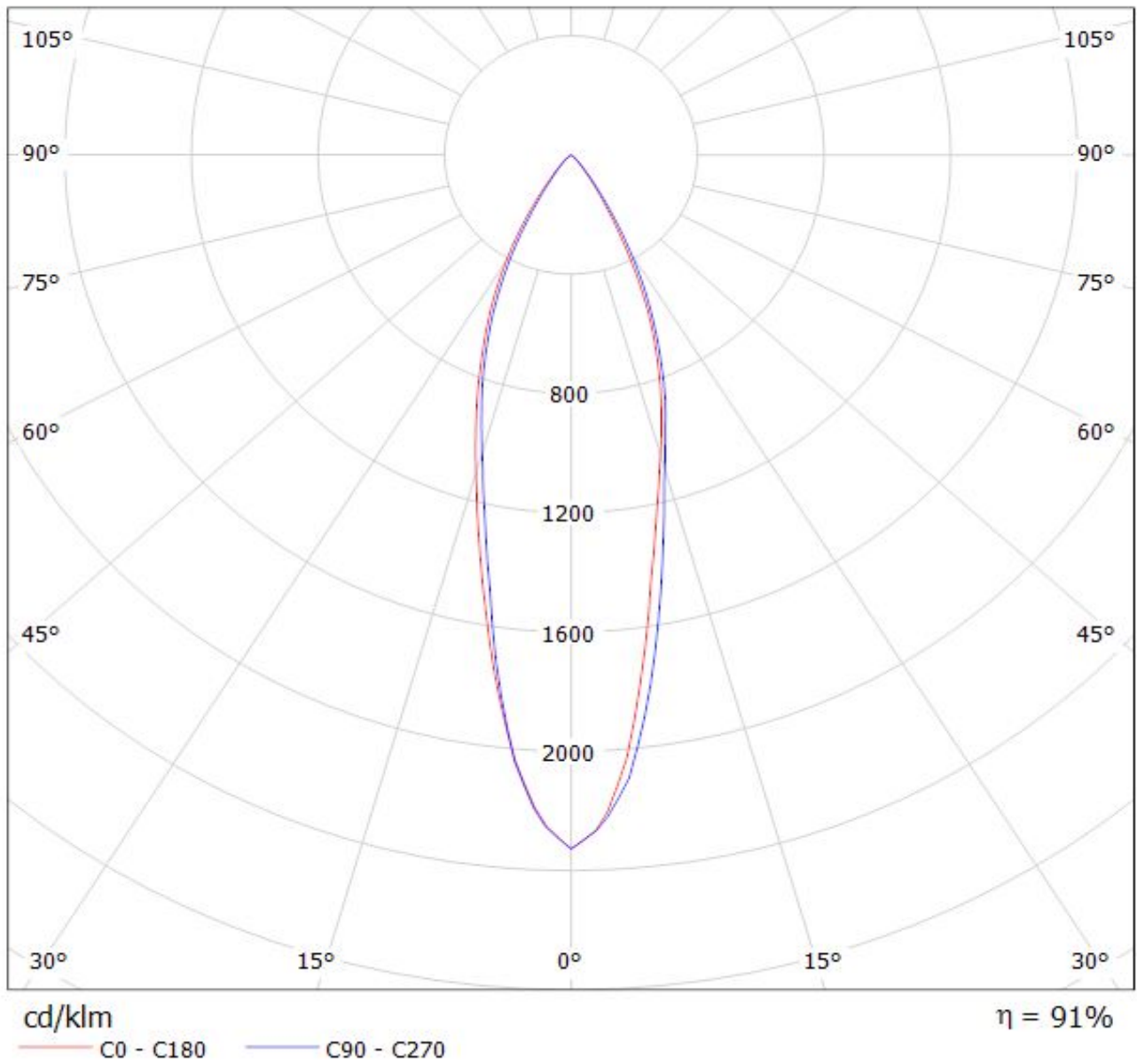
Luminaire: LEDiL C13095_MELODY-3-M_(Square_EC) Eff. 92%
Lamps: 1 x Osram Square EC (277lm@250mA)



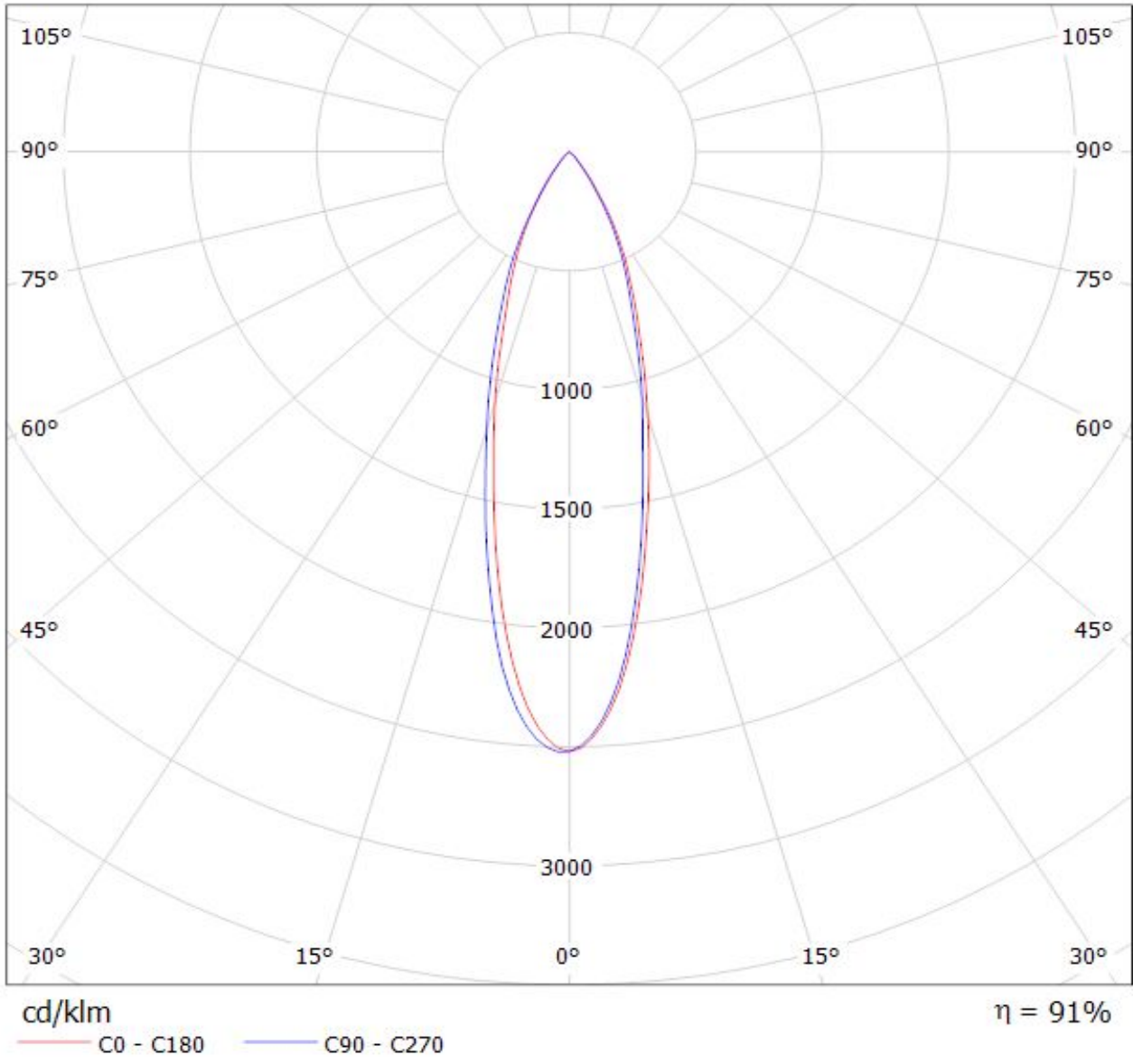
Luminaire: LEDiL C13095_MELODY-3-M_(XP-G2) Eff. 93%
Lamps: 1 x Cree XP-G2 (322lm@250mA)



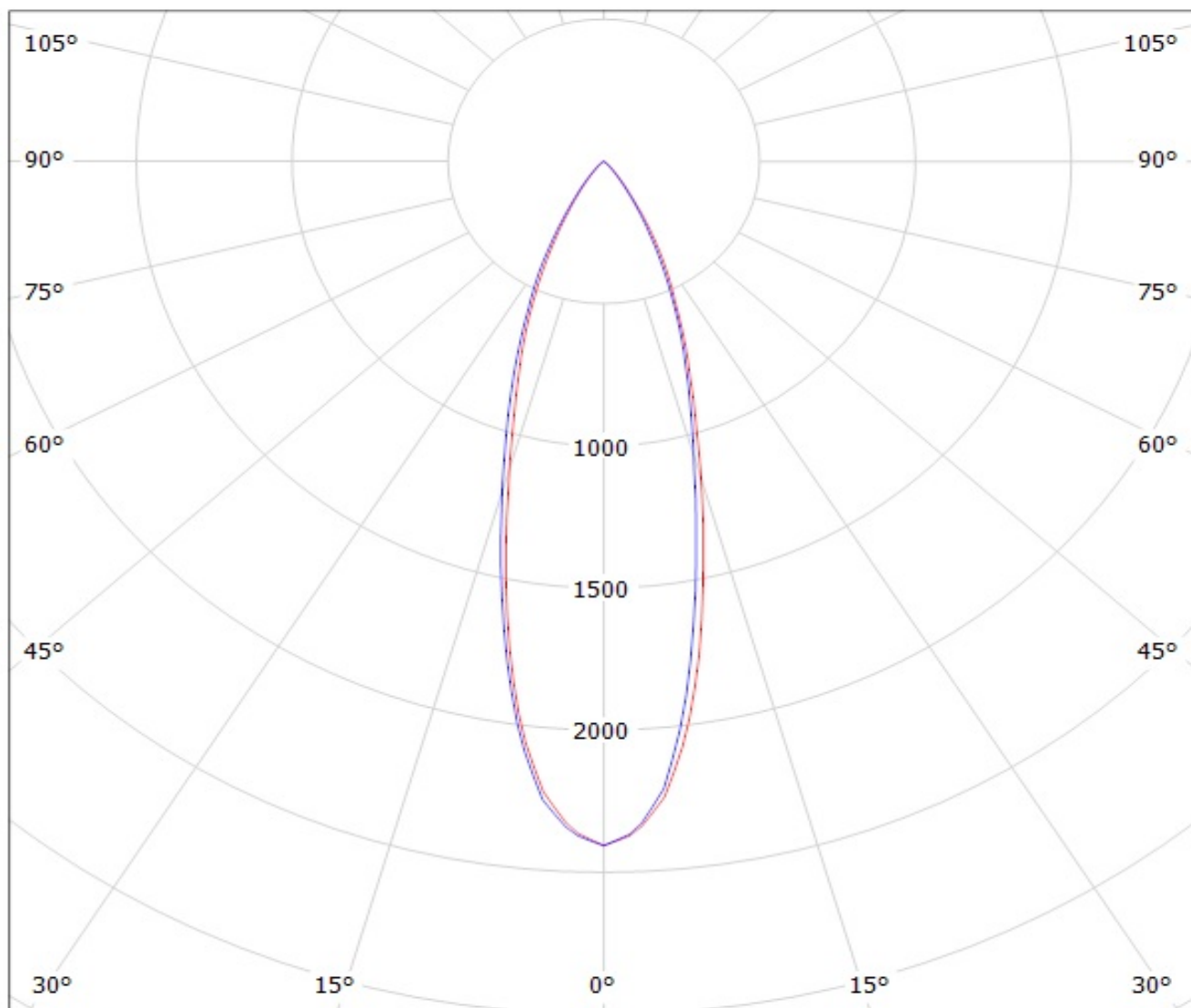
Luminaire: LEDiL C13095_MELODY-3-M_(SSL80) Eff 92%
Lamps: 1 x Oslon SSL80 (203lm@250mA)



Luminaire: LEDiL C13095_MELODY-3-M_(NCS19) Eff. 92%
Lamps: 1 x Nichia NCS19 (257lm@250mA)



Luminaire: Ledil Oy C13095_MELODY-3-M_(NCSxx19B) Efficiency=91%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 272lm @ 250mA CCT=3000K P=2.3W I=250mA

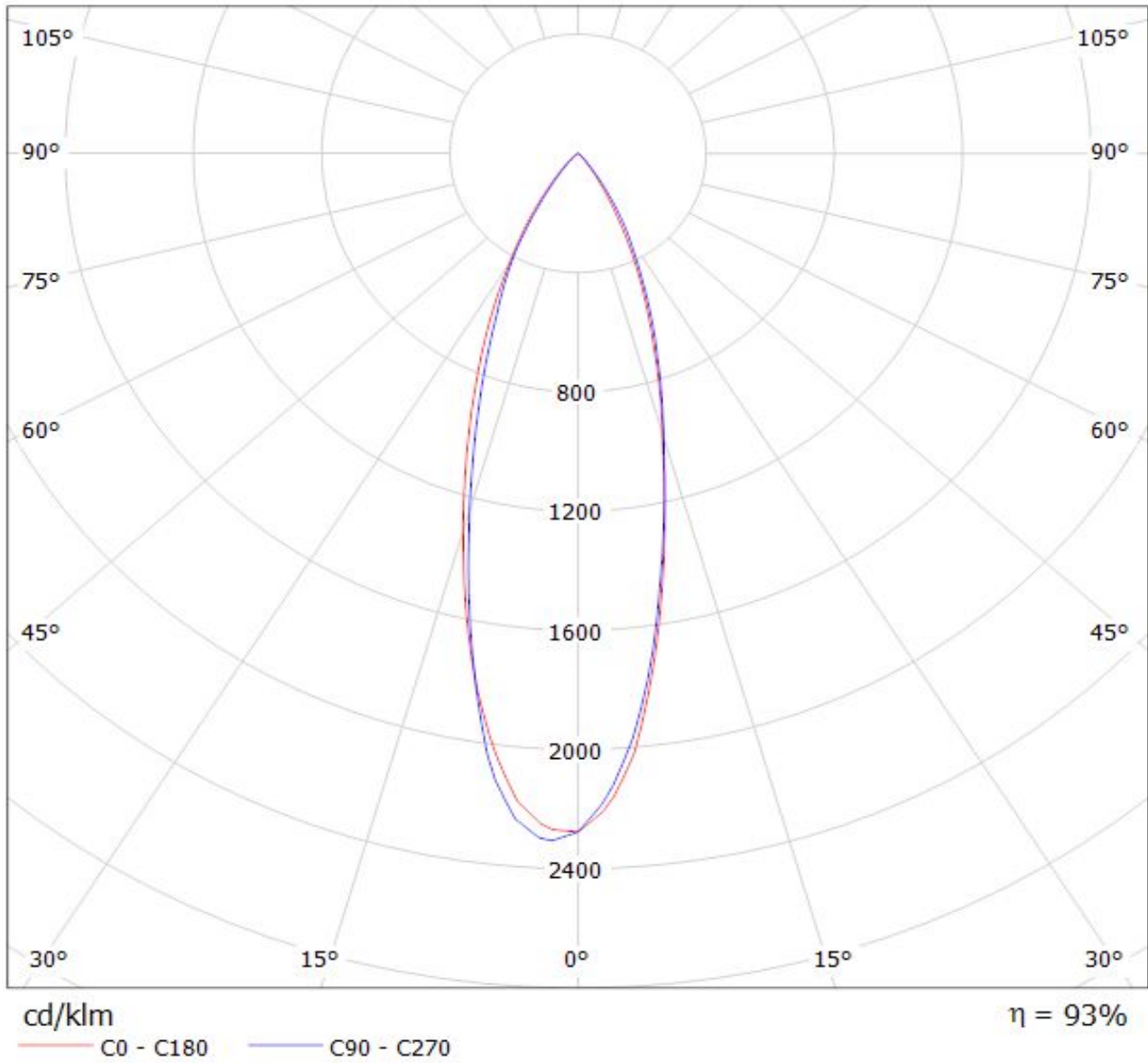


cd/klm

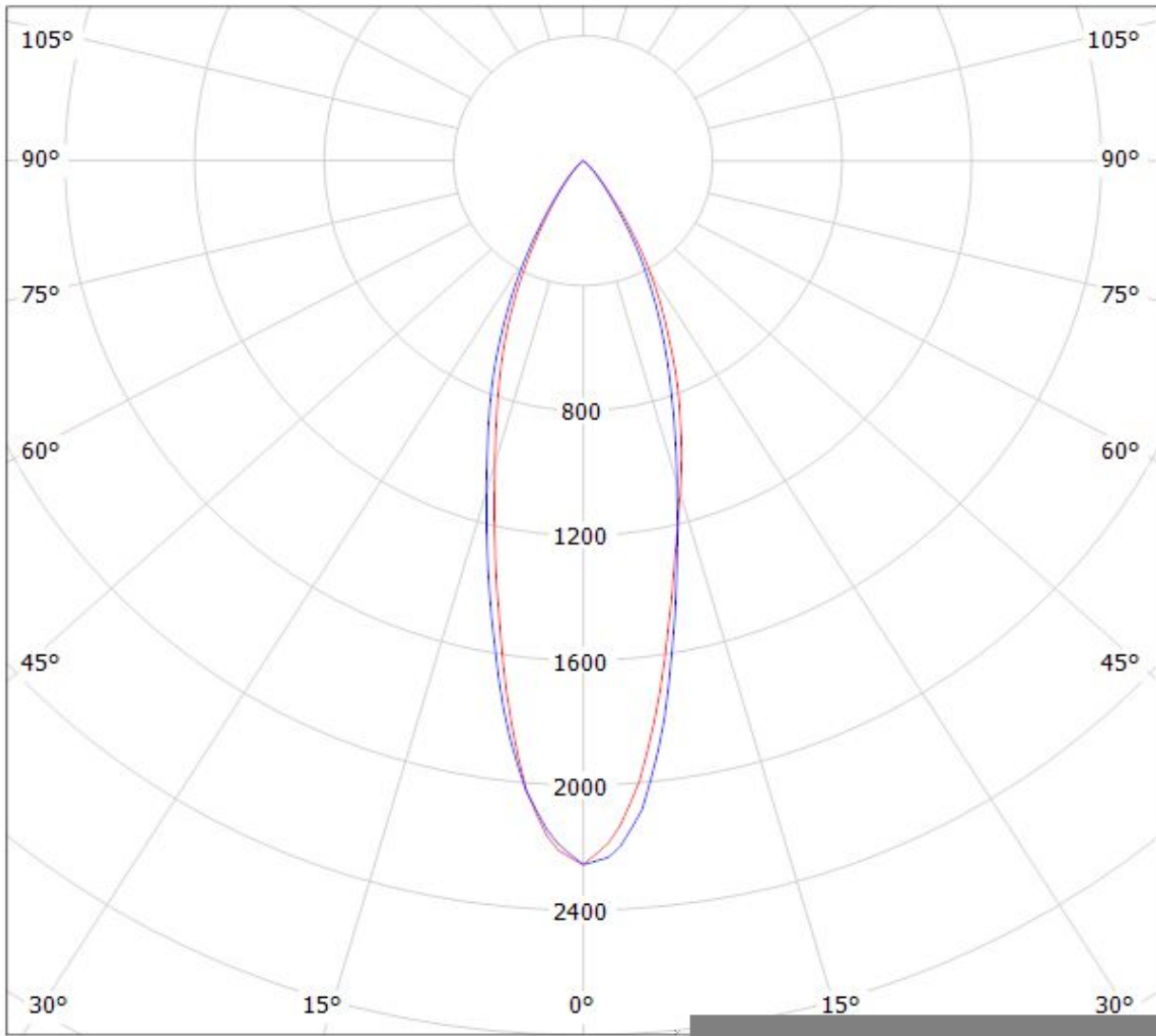
— C0 - C180

— C90 - C270

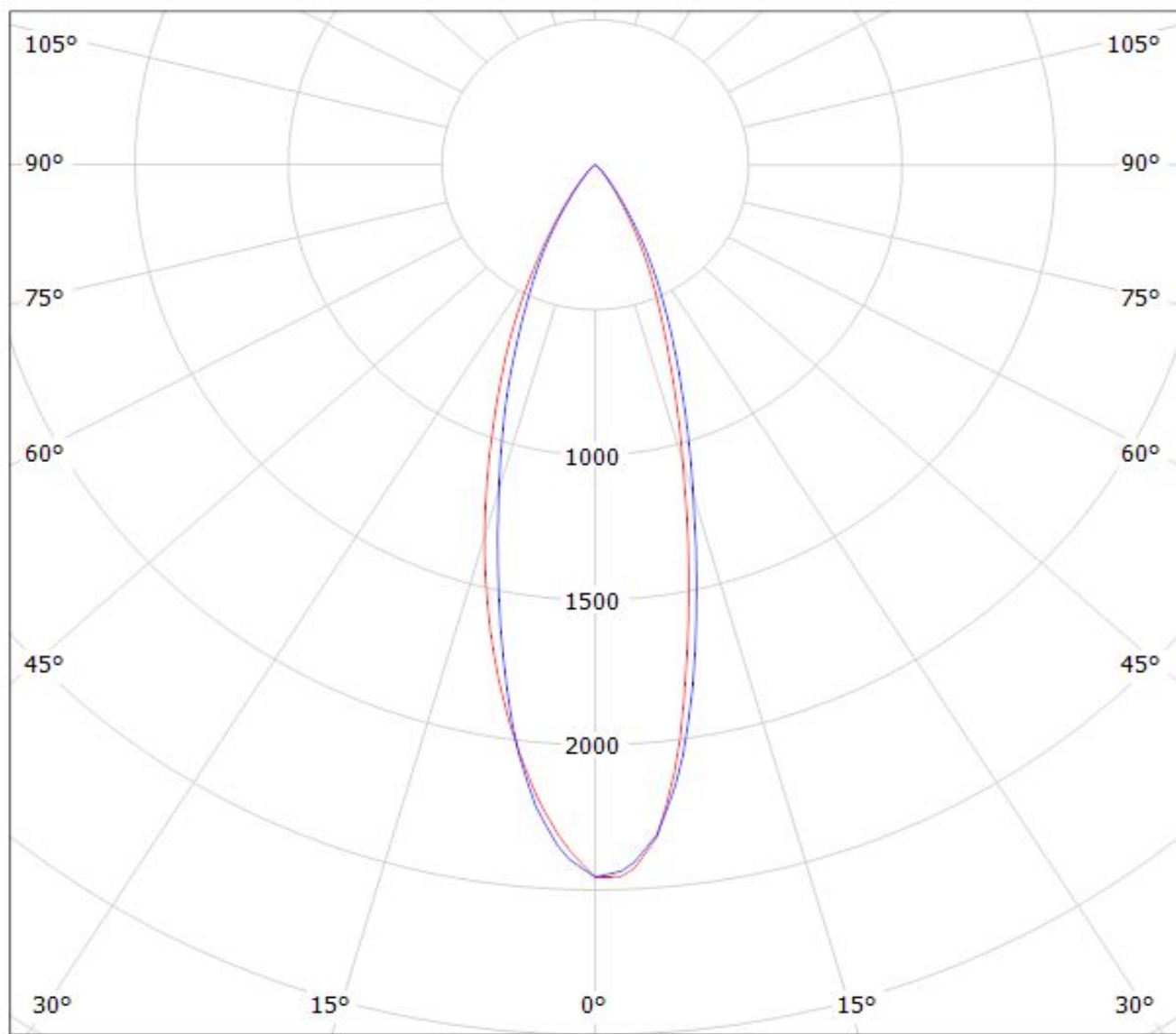
Luminaire: LEDiL Luminaire Catalog Number C13095_MELODY-3-M_(Rebel) Eff. 93%
Lamps: 1 x Luxeon Rebel (183lm@250mA)



Luminaire: LEDiL C13095_MELODY-3-M_(XP-E) Eff. 93%
Lamps: 1 x Cree XP-E (156.4lm@250mA)



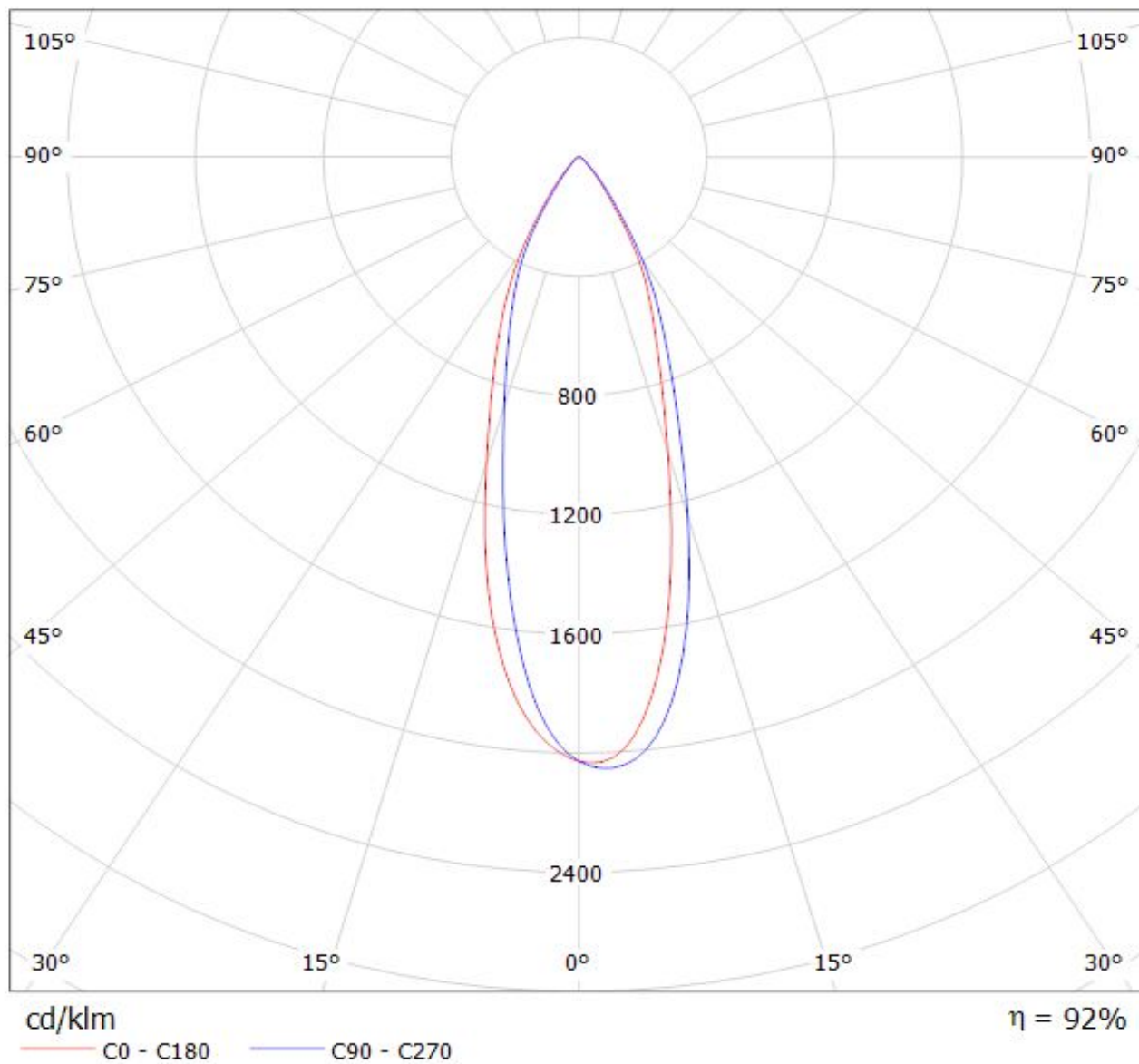
Luminaire: LEDiL C13095_MELODY-3-M_(SSL150) Eff.93%
Lamps: 1 x Oslon SSL150 (326lm@250mA)



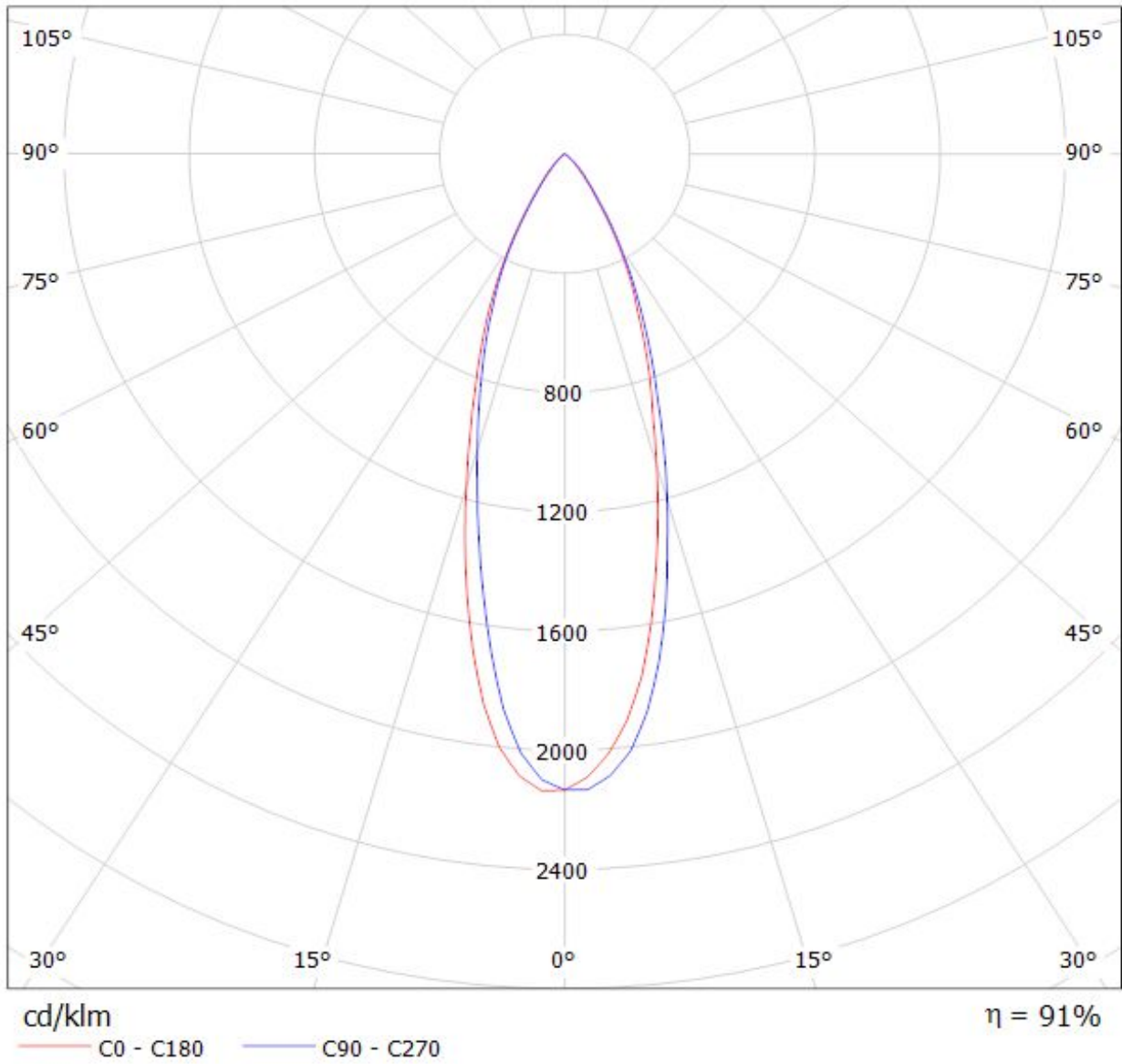
cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy C13095_MELODY-3-M_(Luxeon_R) Eff.92.0%
Lamps: 1 x Luxeon_R (258.787lm@250mA)

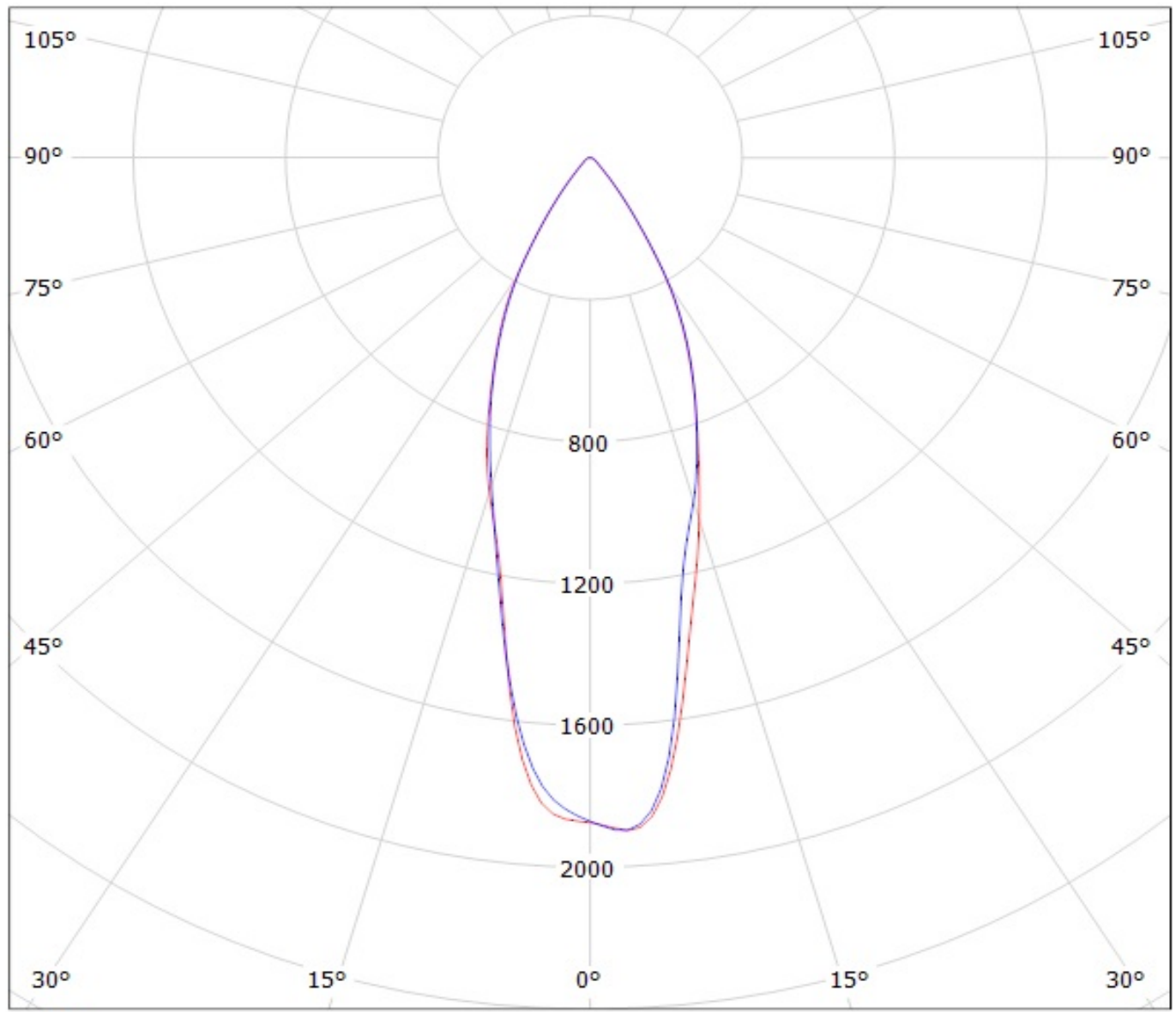


Luminaire: LEDiL C13095_MELODY-3-M_(XT-E) Eff.92%
Lamps: 1 x Cree XT-E (230lm@250mA)



Luminaire: LEDiL Oy C13095_MELODY-3-M_(XP-E2) Eff:92%

Lamps: 1 x CREE_XP-E2-MELODY_3_255.522lm@250mA_P=2.21794W_I=249.9mA



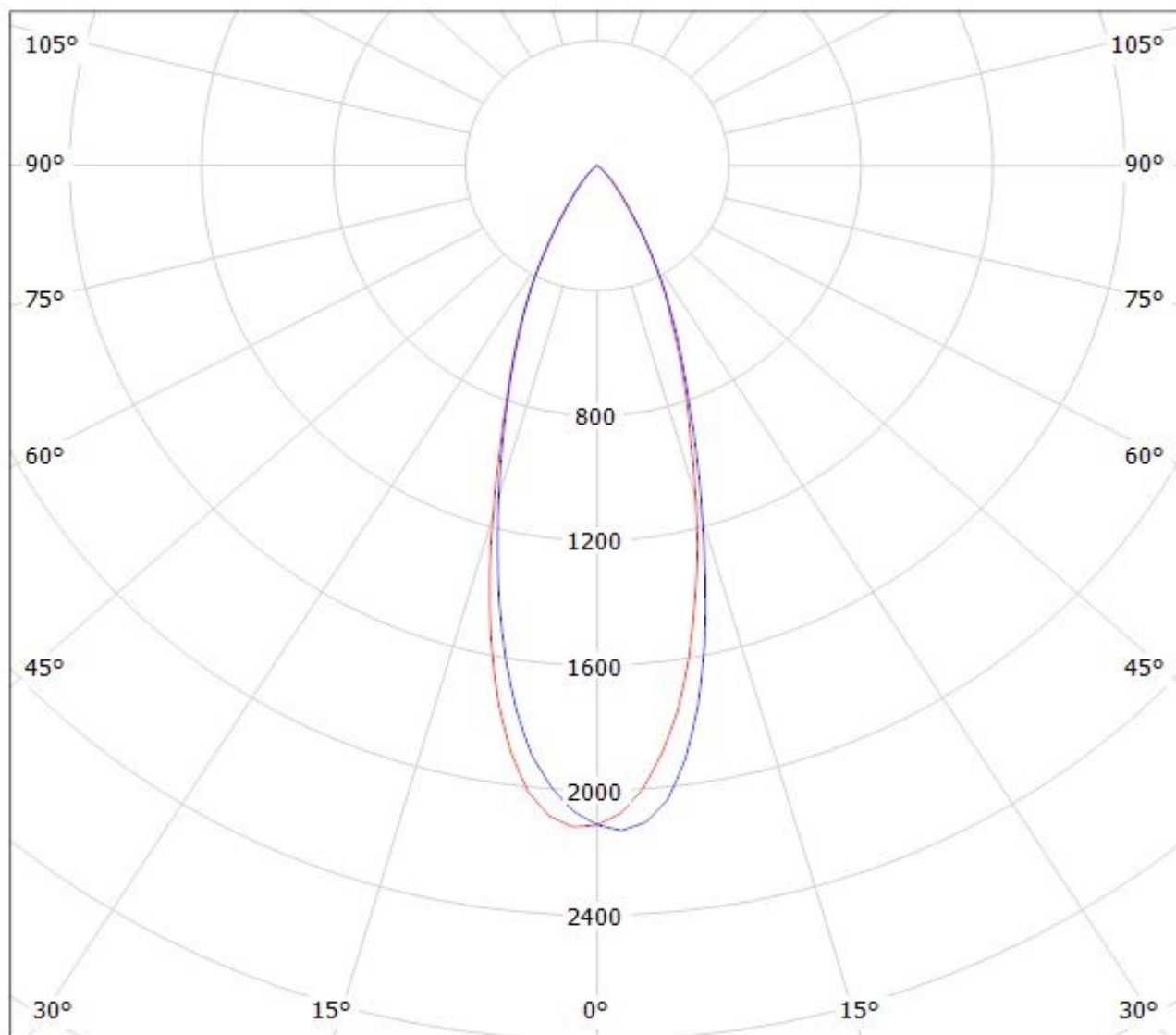
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL C13095_MELODY-3-M
Lamps: 1 x Nichia NVSL219BE (228lm@250mA)

Eff. 92%



cd/klm

$\eta = 92\%$

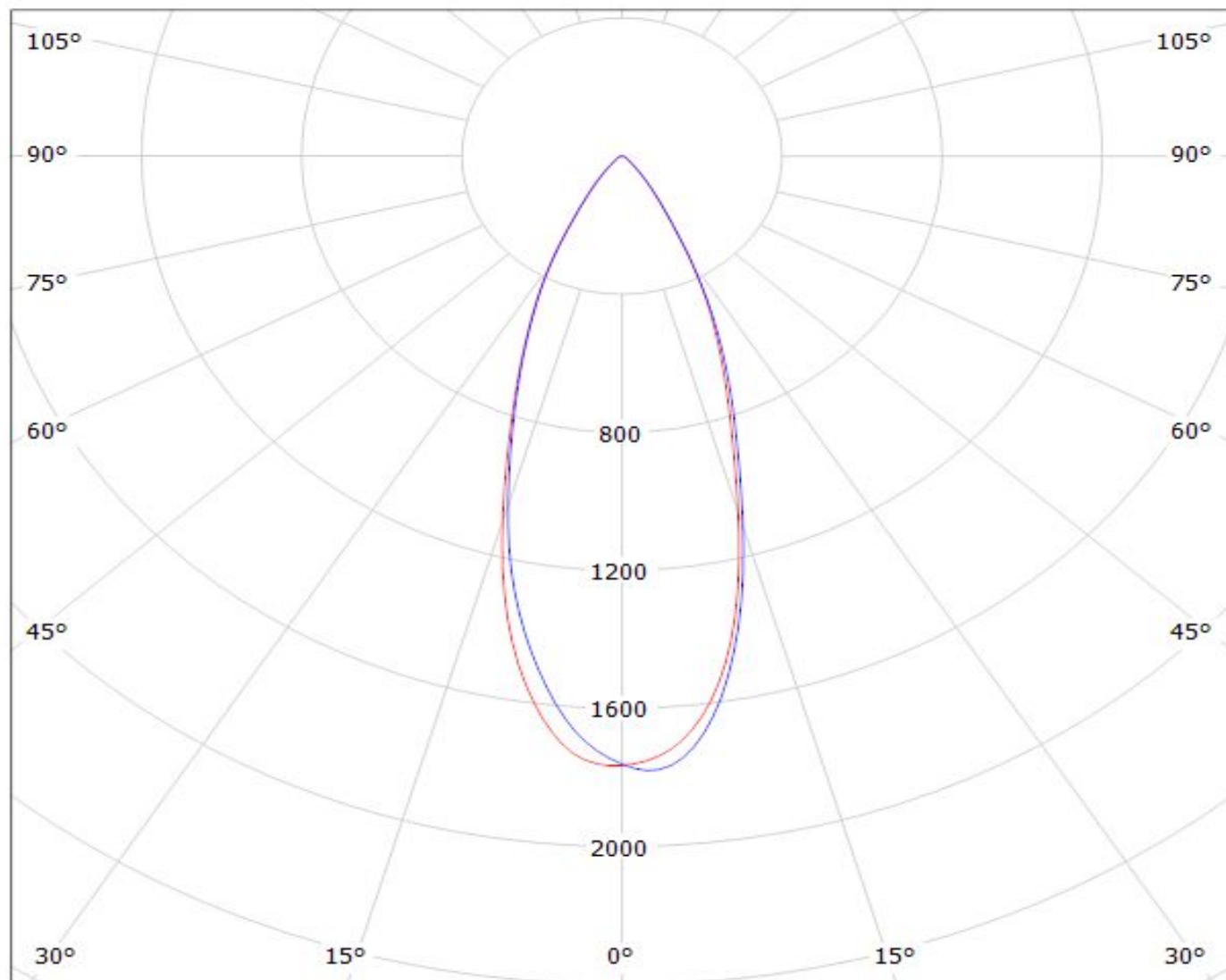
— C0 - C180

— C90 - C270

LEDiL Oy C13095_MELODY-3-M_(LUXEON_T) Eff.91.8% / LDC (Polar)

Luminaire: LEDiL Oy C13095_MELODY-3-M_(LUXEON_T) Eff.91.8%

Lamps: 1 x LUXEON_T (220lm@250mA)



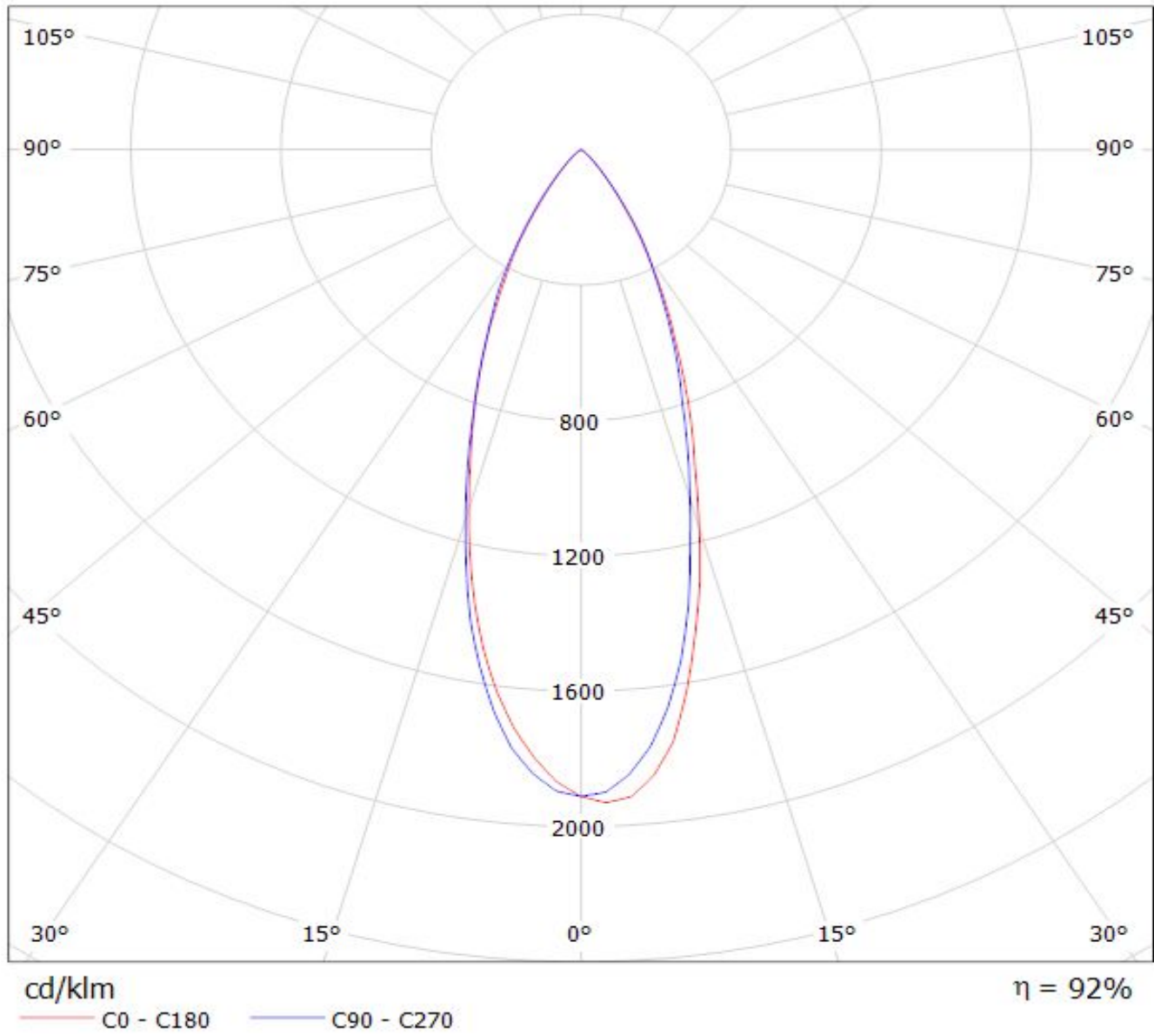
cd/klm

— C0 - C180

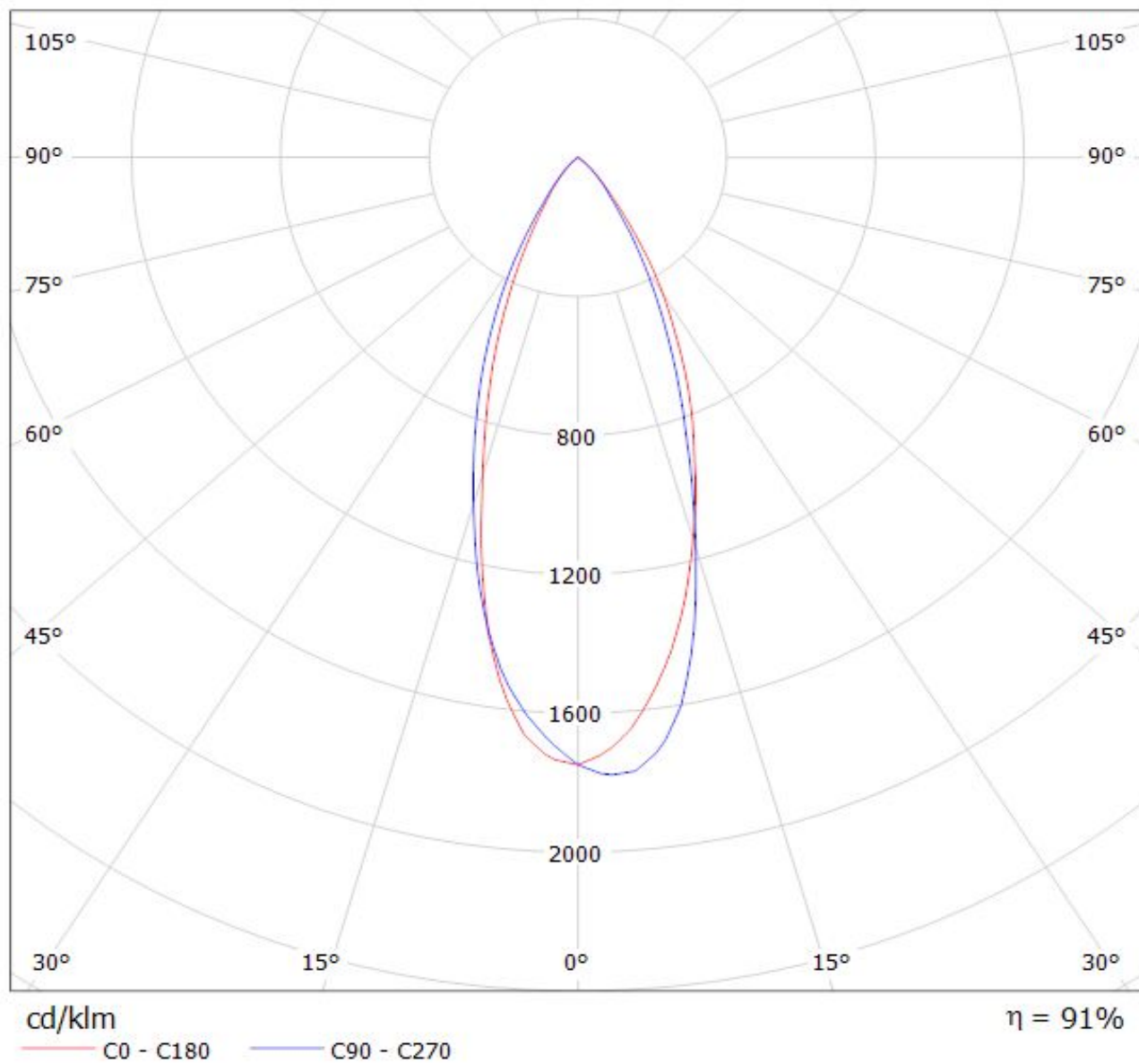
— C90 - C270

$\eta = 92\%$

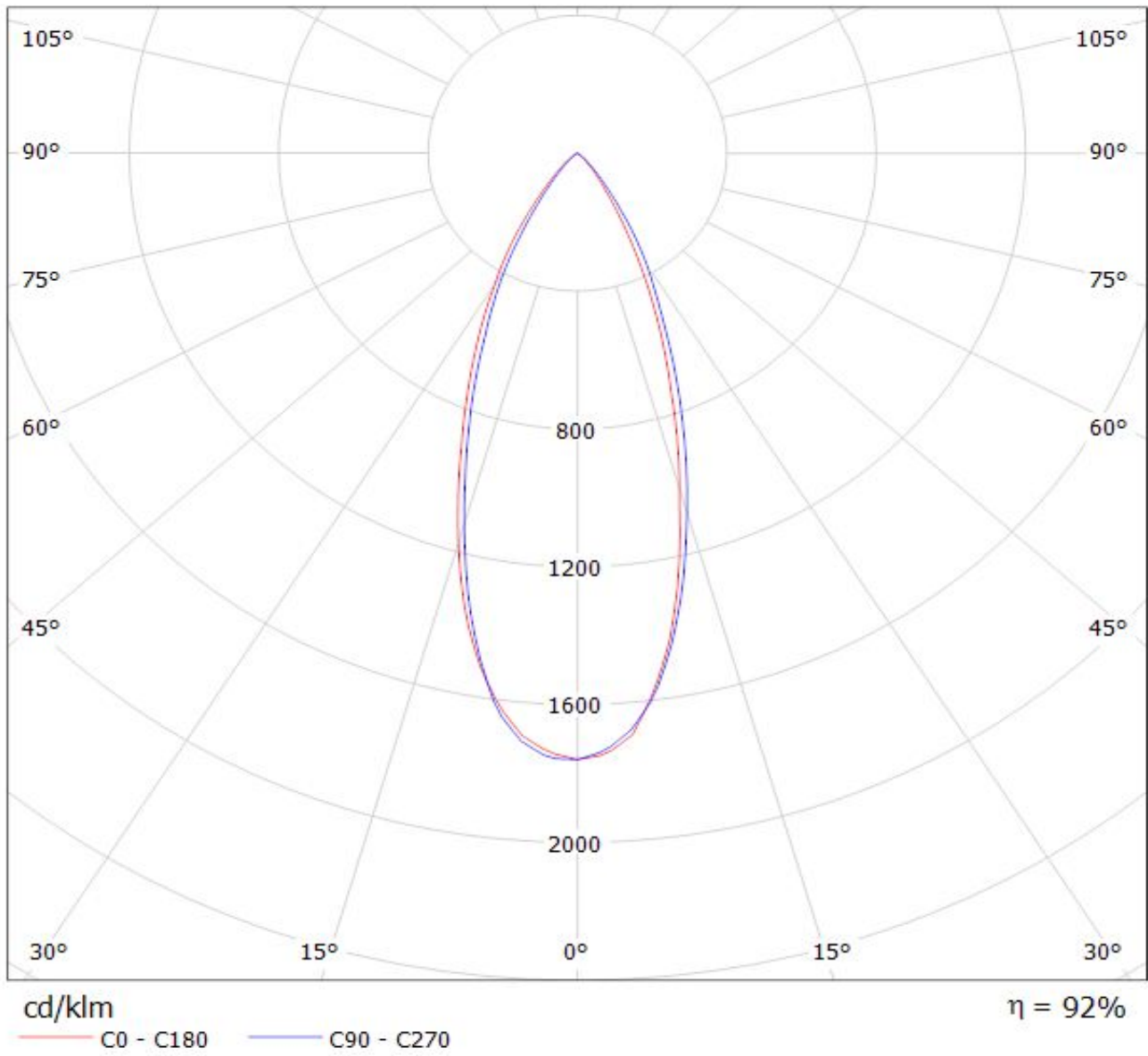
Luminaire: LEDiL C13095_MELODY-3-M_(RE-ES) Eff. 92%
Lamps: 1 x Luxeon Rebel-ES (200lm@250mA)



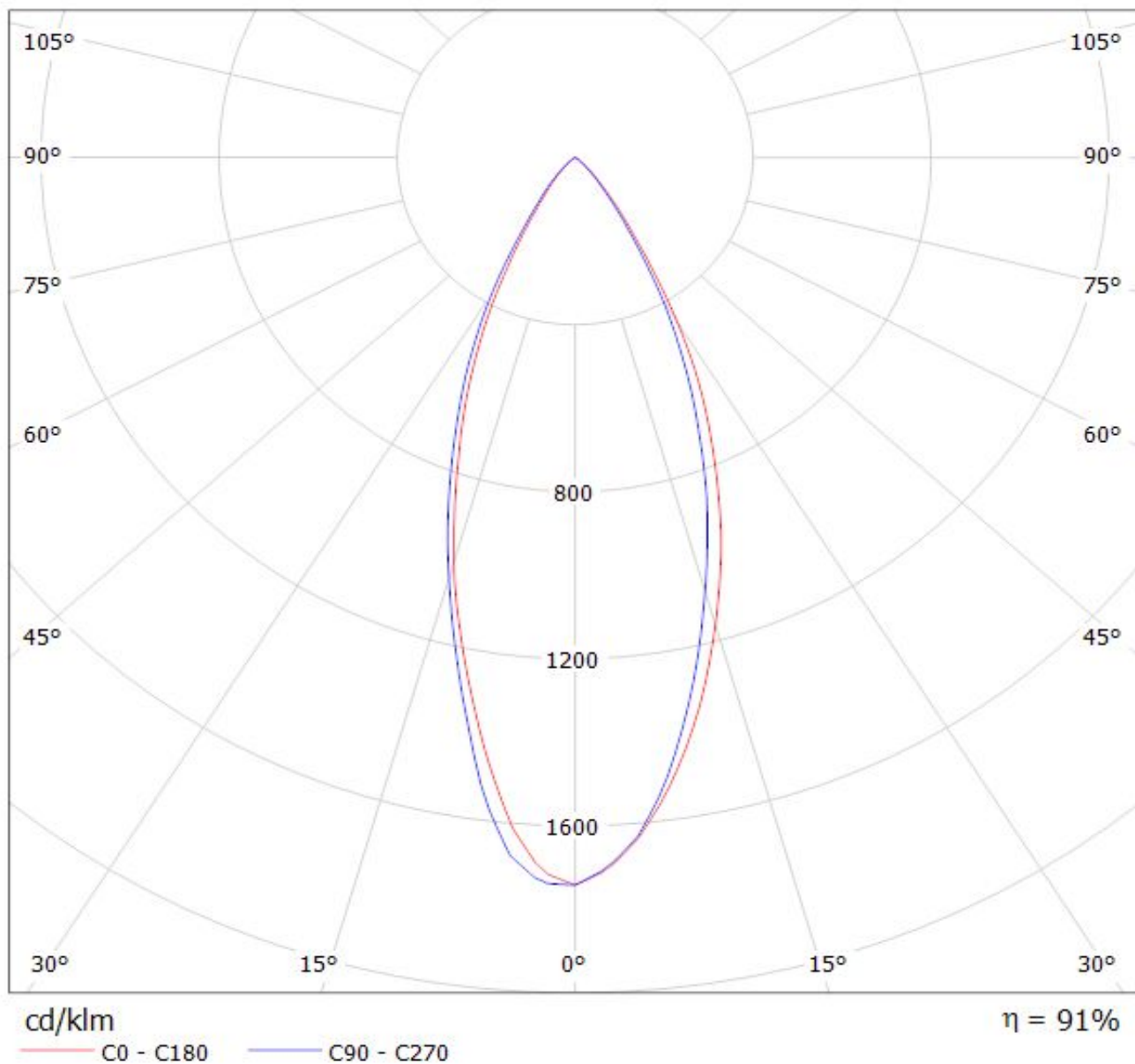
Luminaire: LEDiL C13095_MELODY-3-M_(XP-G) Eff.92%
Lamps: 1 x Cree XP-G (200lm@250mA)



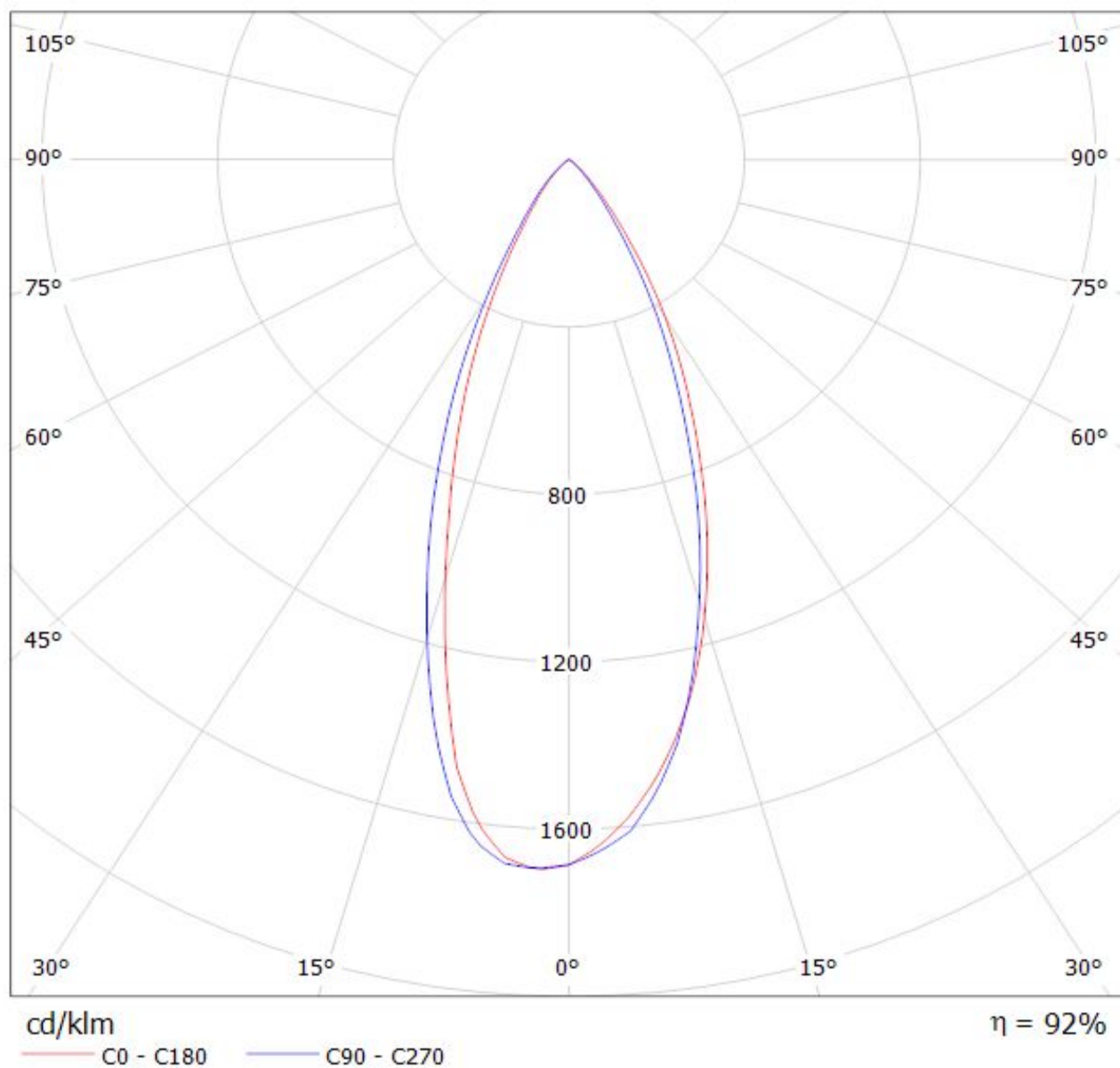
Luminaire: LEDiL C13095_MELODY-3-M_(Luxeon_A) Eff.93%
Lamps: 1 x Luxeon A (193lm@250mA)



Luminaire: LEDiL C13095_MELODY-3-M_(Square_EC) Eff. 92%
Lamps: 1 x Osram Square EC (277lm@250mA)



Luminaire: LEDiL C13095_MELODY-3-M_(XP-G2) Eff. 93%
Lamps: 1 x Cree XP-G2 (322lm@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.