

DETAILS

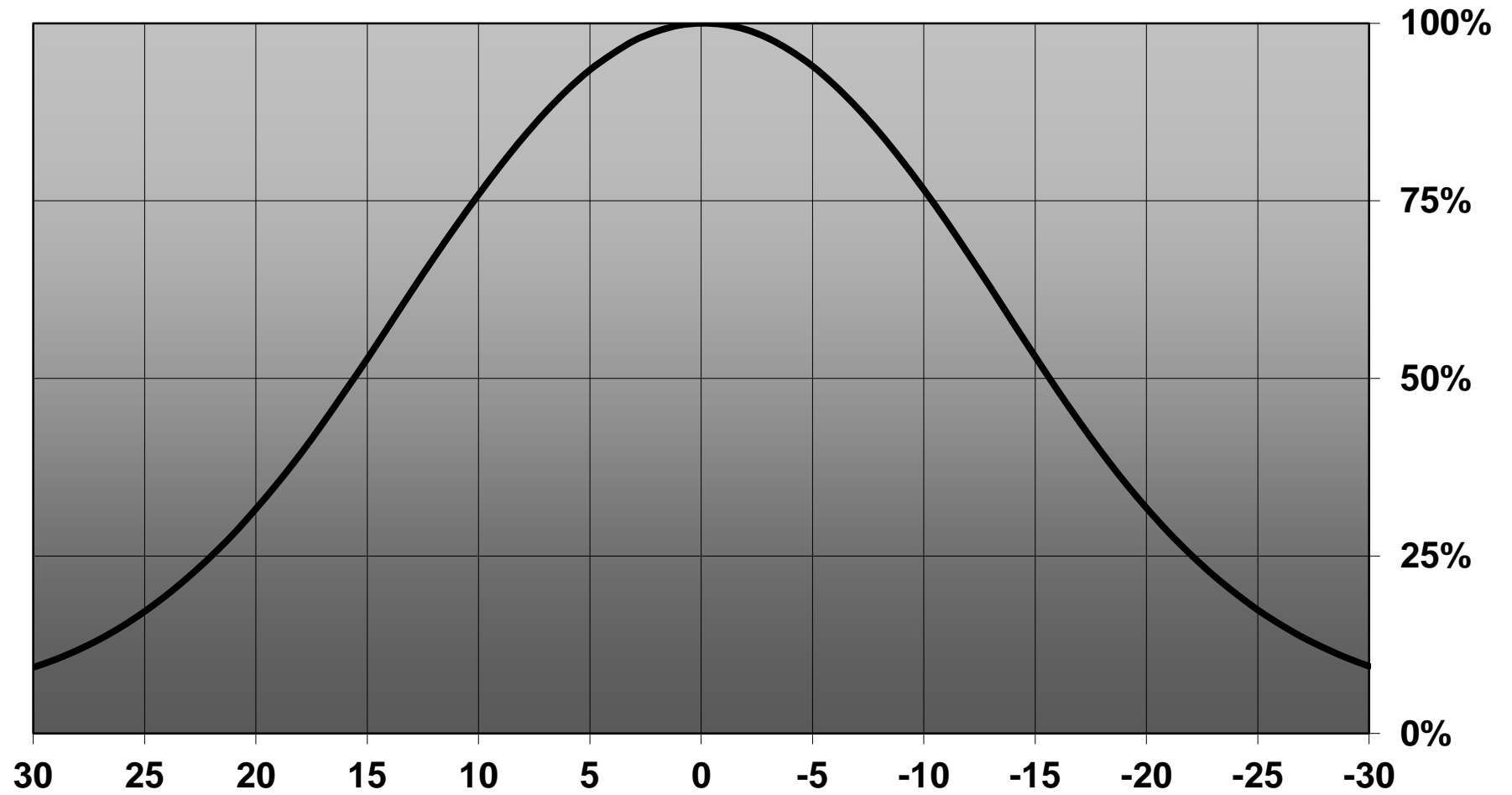
Product Number	C13235_SATU-W
Family	Satu
Type	Lens array
Color	clear
Diameter	21,8 mm
Height	8,9 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	glue, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	6/05/2014



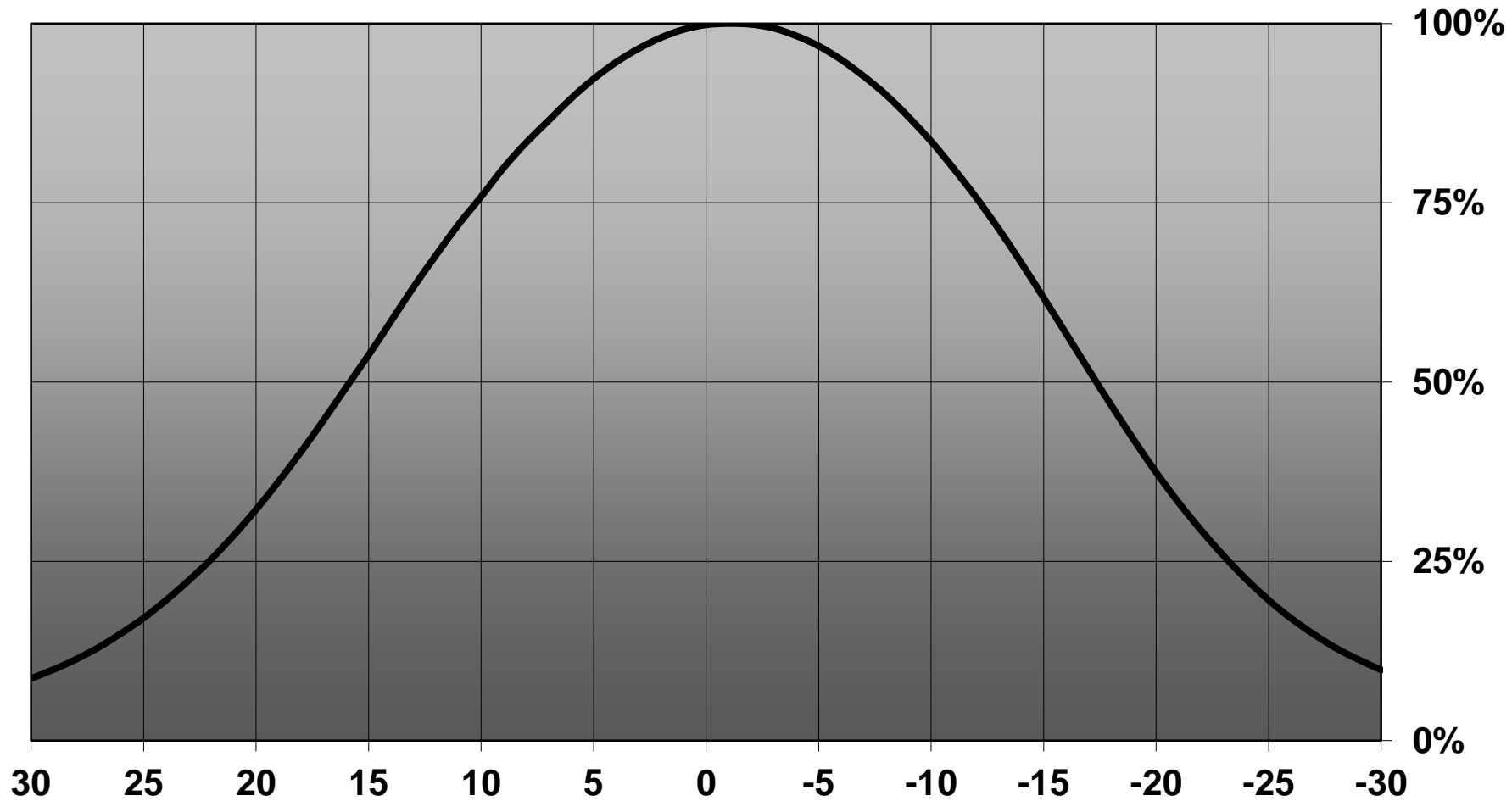
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XT-E	sim: 34	Wide	-	-	-
XP-E2	27 deg	Wide	86 %	2.900	-
XP-G2	35 deg	Wide	87 %	2.000	-
XB-D	31 deg	Wide	77 %	2.100	-
XP-E	33 deg	Wide	84 %	2.200	-
XP-G	34 deg	Wide	82 %	1.900	-
H35C0 (LEMWA33)	41 deg	Wide	86 %	1.600	-
H35B0 (LEMWA32)	29 deg	Wide	86 %	2.700	-
LUXEON T	37 deg	Wide	87 %	1.800	-
LUXEON H50-2	sim: 40	Wide	-	sim: 2.000	-
LUXEON TX	38 deg	Wide	86 %	1.800	-
NF2x757A	32 deg	Wide	80 %	2.000	-
NVSxx19B/NVSxx19C	sim: 39	Wide	sim: 87 %	sim: 1.810	-
Oslon Square EC	37 deg	Wide	85 %	1.800	-
Oslon SSL 80	30 deg	Wide	80 %	2.400	-
Synios P2720 1/2 mm	sim: 30	Wide	sim: 94 %	sim: 2.670	-
Oslon Black	sim: 27	Wide	sim: 85 %	sim: 3.100	-
LH351Z	36 deg	Wide	87 %	2.000	-
Z8Y22P	sim: 41	Wide	sim: 87 %	sim: 1.620	-

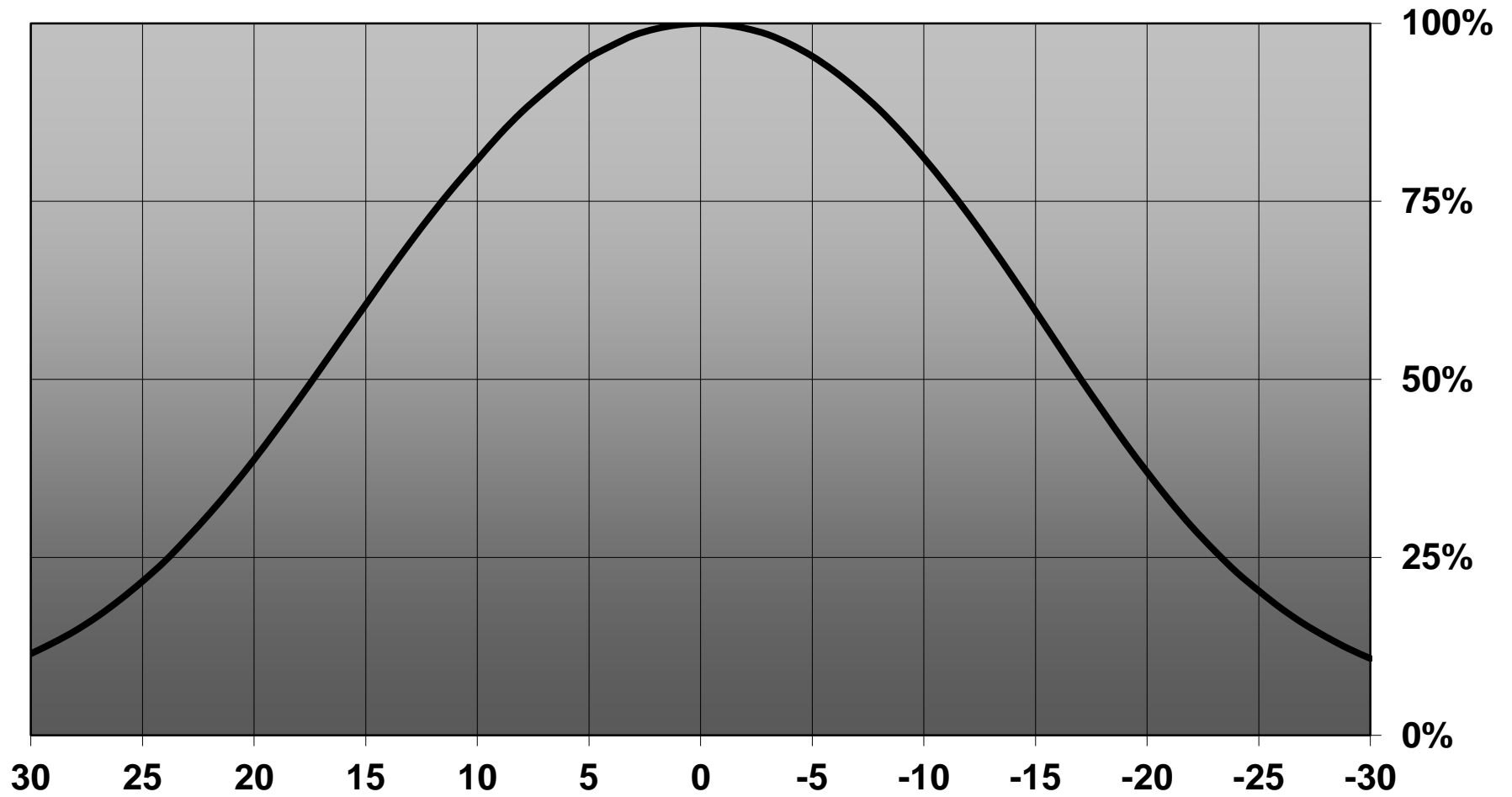
Relative intensity of C13235_SATU-W_(XB-D)



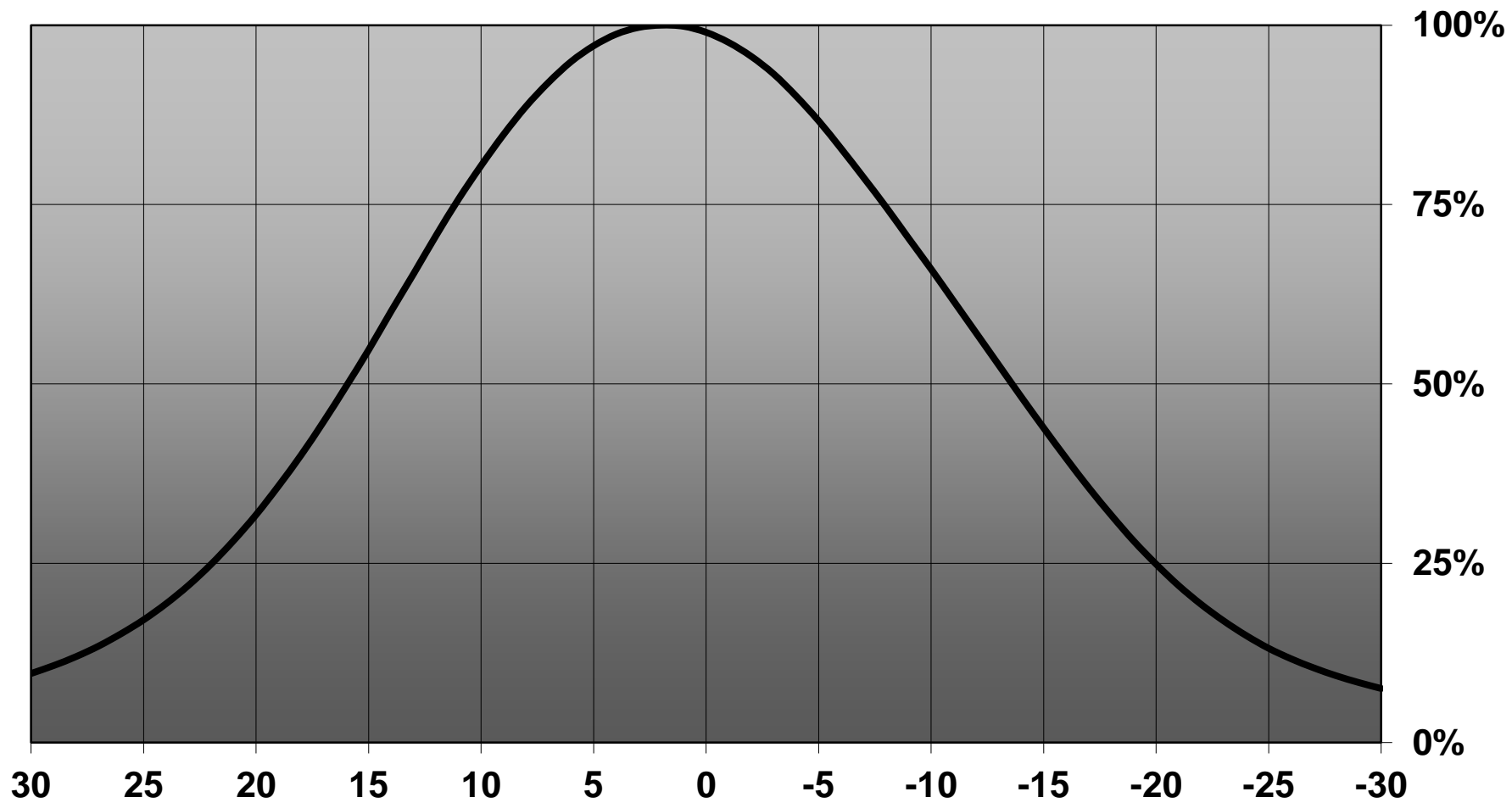
Relative intensity of C13235_SATU-W_(XP-E)



Relative intensity of C13235_SATU-W_(XP-G)



Relative intensity of C13235_SATU-W_(SSL80)



D

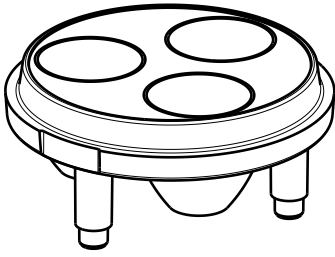
C

B

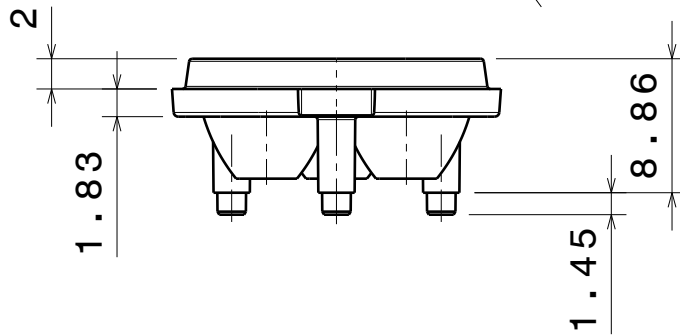
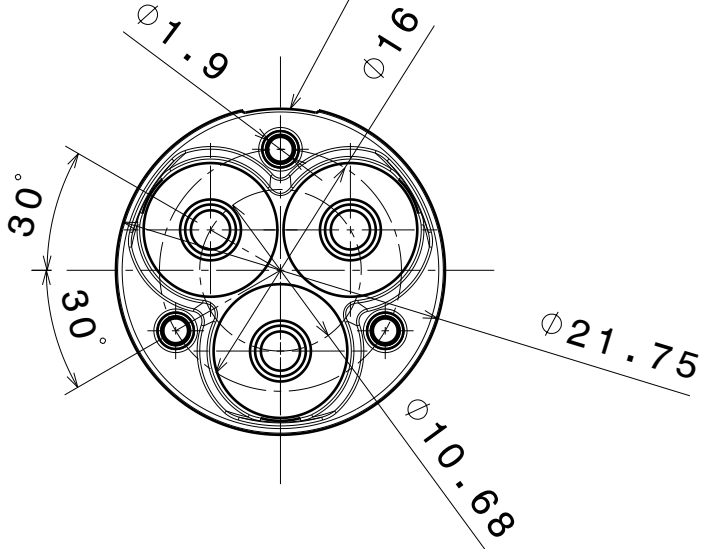
A

4

4



Injection gate



3

3

2

2

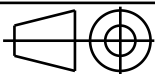
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13235	SATU-W	PMMA	

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

C13235_SATU-W

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 reproduced, copied or
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SIZE PART NUMBER

A4

C13235

SCALE 2:1 WEIGHT 2 g SHEET 1/1

1

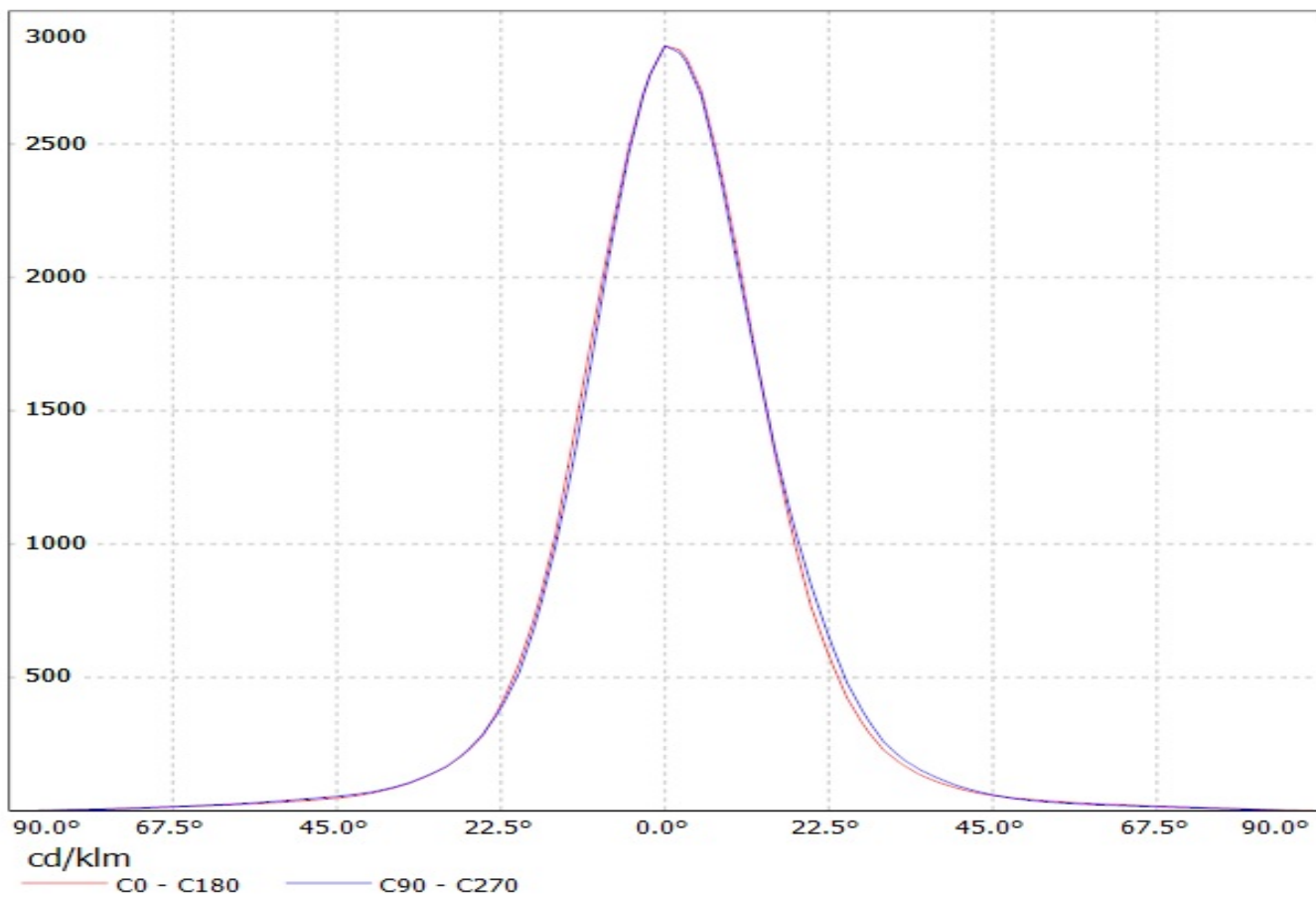
1

D

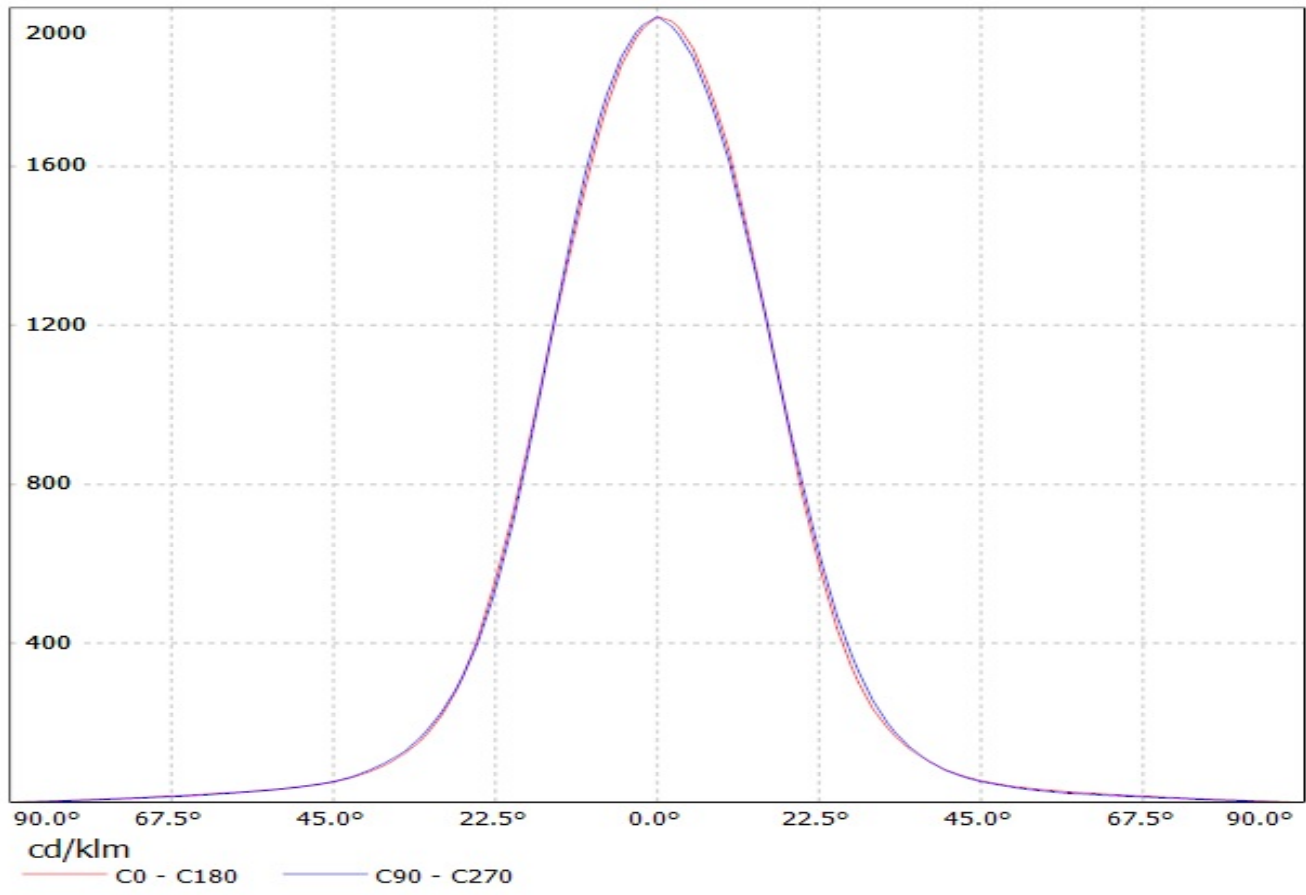
A

Luminaire: Ledil Oy C13235_SATU-W_(XP-E2) Efficiency=86%

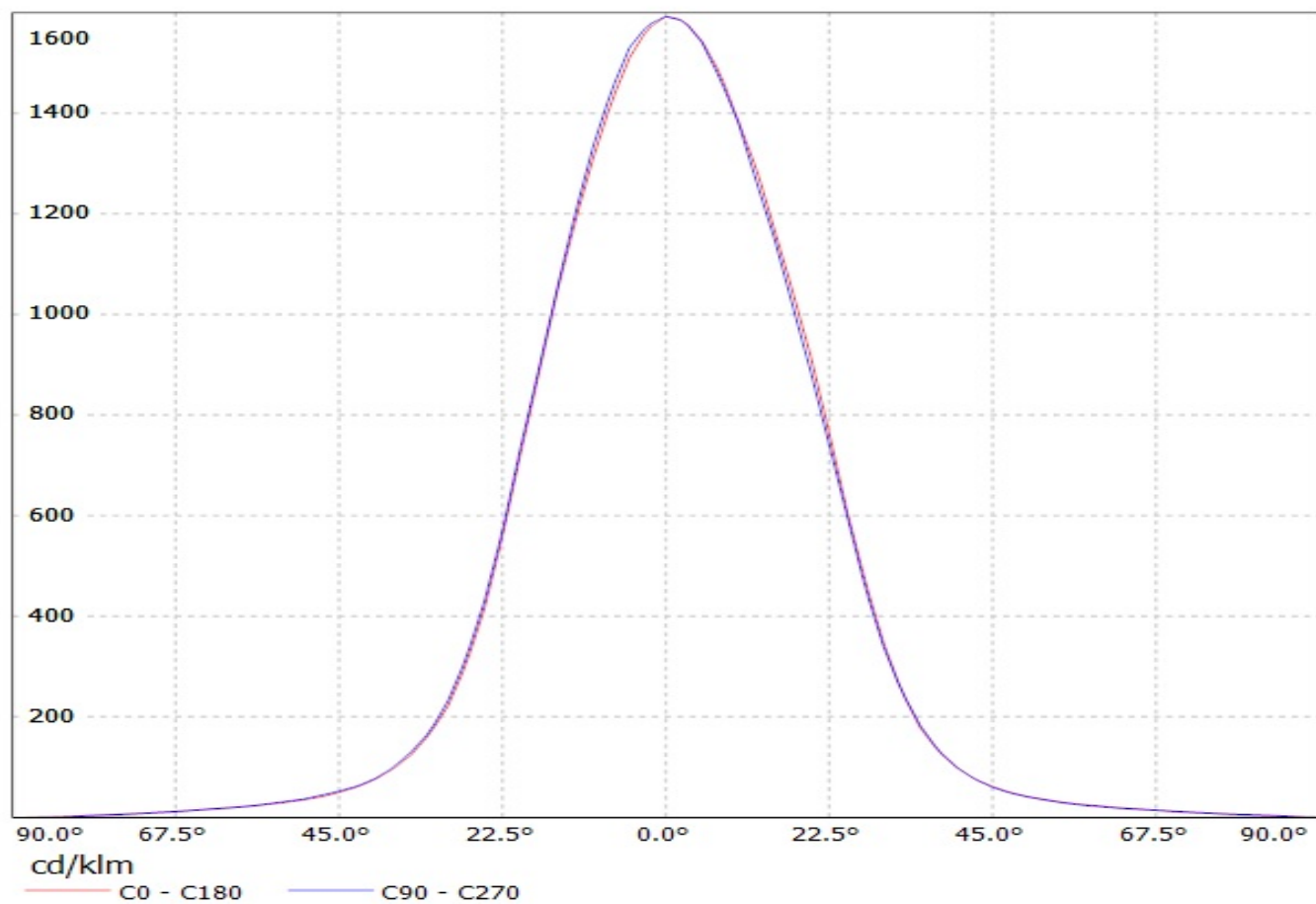
Lamps: 1 x CREE XP-E2 (XPEBWT-L1-0000-00CE7) 243lm@250mA CCT=3174K P=2.2W I=250mA



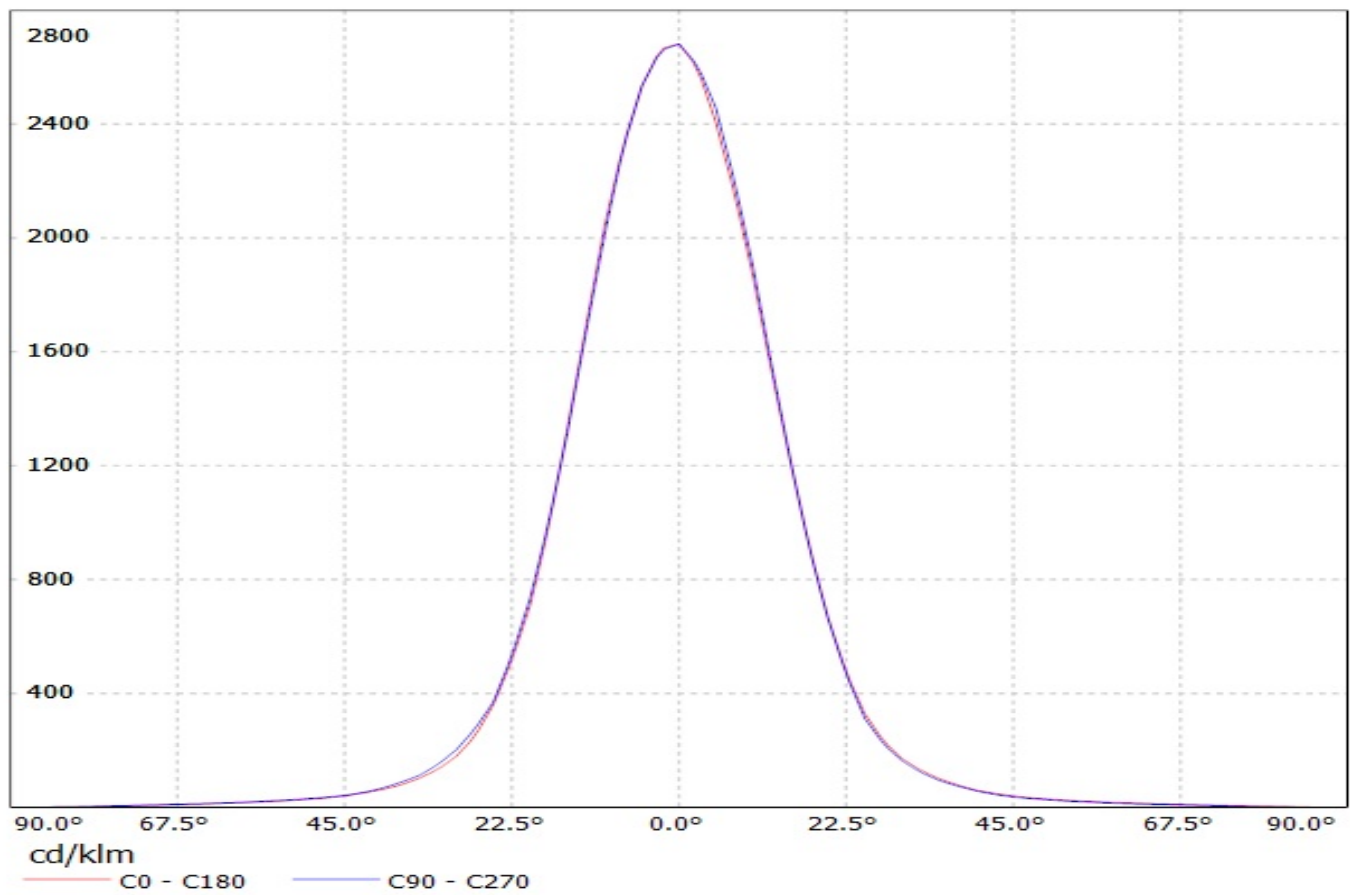
Luminaire: Ledil Oy C13235_SATU-W_(XP-G2) Efficiency=87%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 303lm@250mA CCT=7027K P=2.2W I=250mA



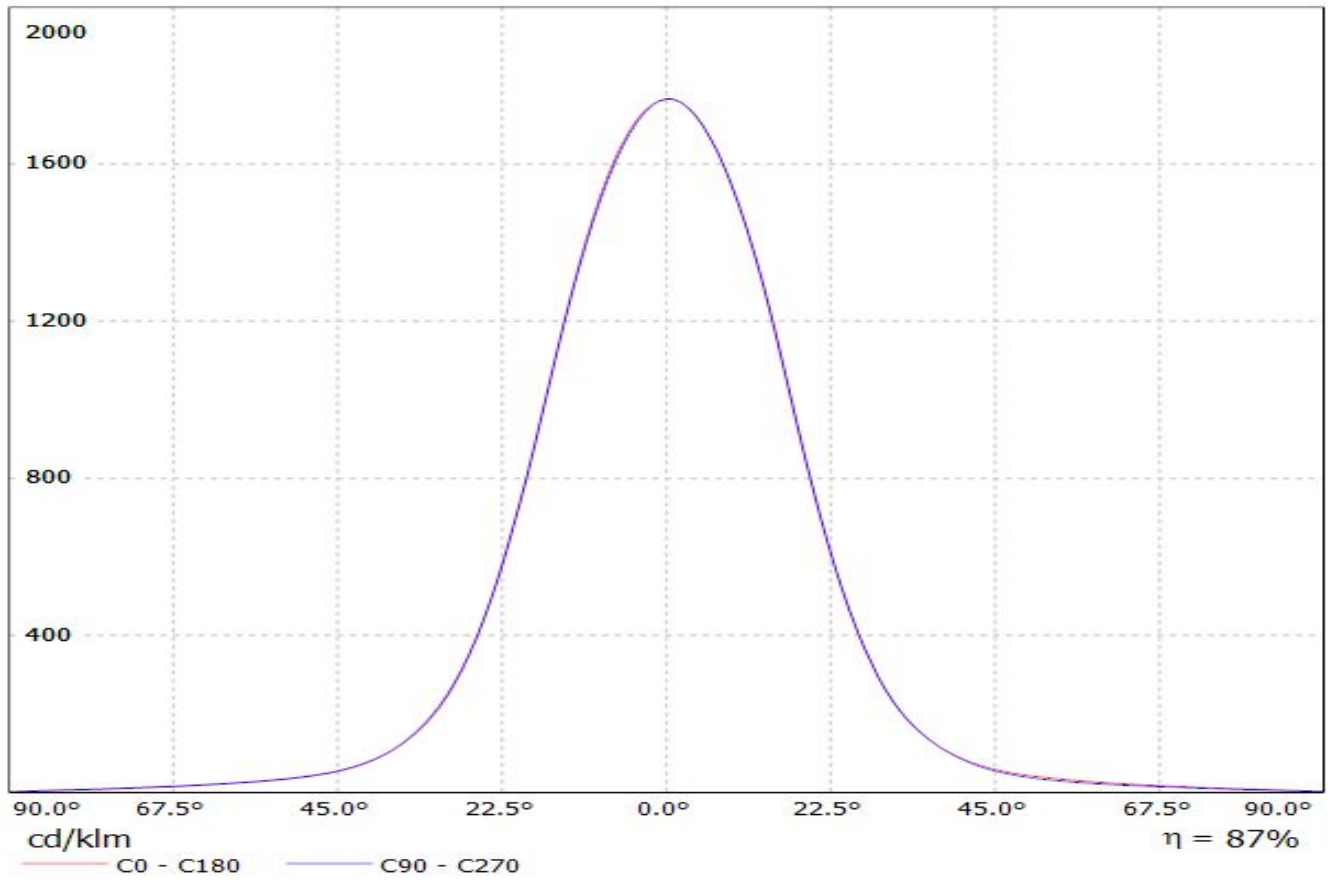
Luminaire: Ledil Oy C13235_SATU-W_(3535_3W) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 278lm@250mA CCT=6287K P=2.2W I=250mA



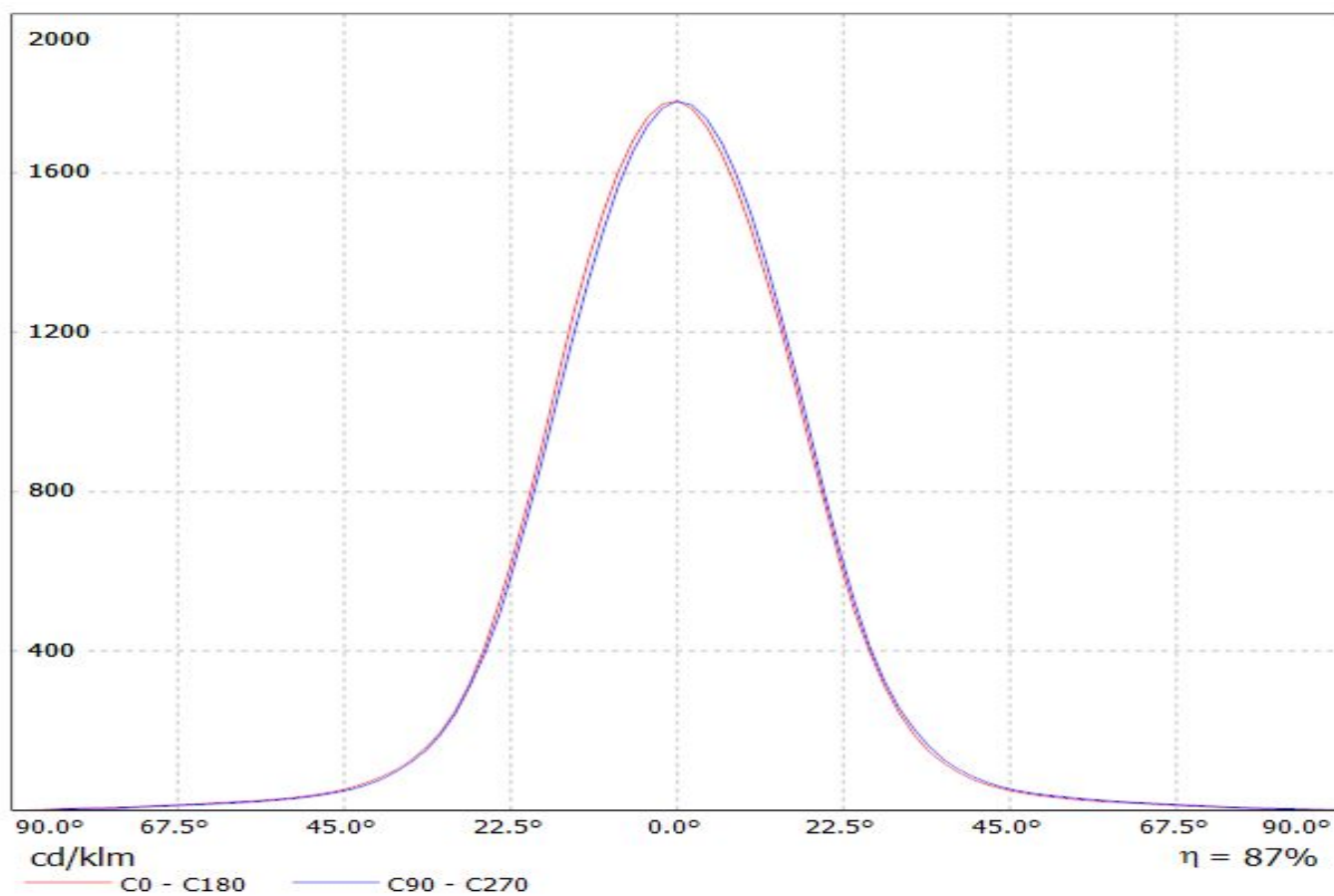
Luminaire: Ledil Oy C13235_SATU-W_(3535-2W) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic 2W (LEMWA32) 233lm@250mA CCT=3700K P=2.2W I=250mA



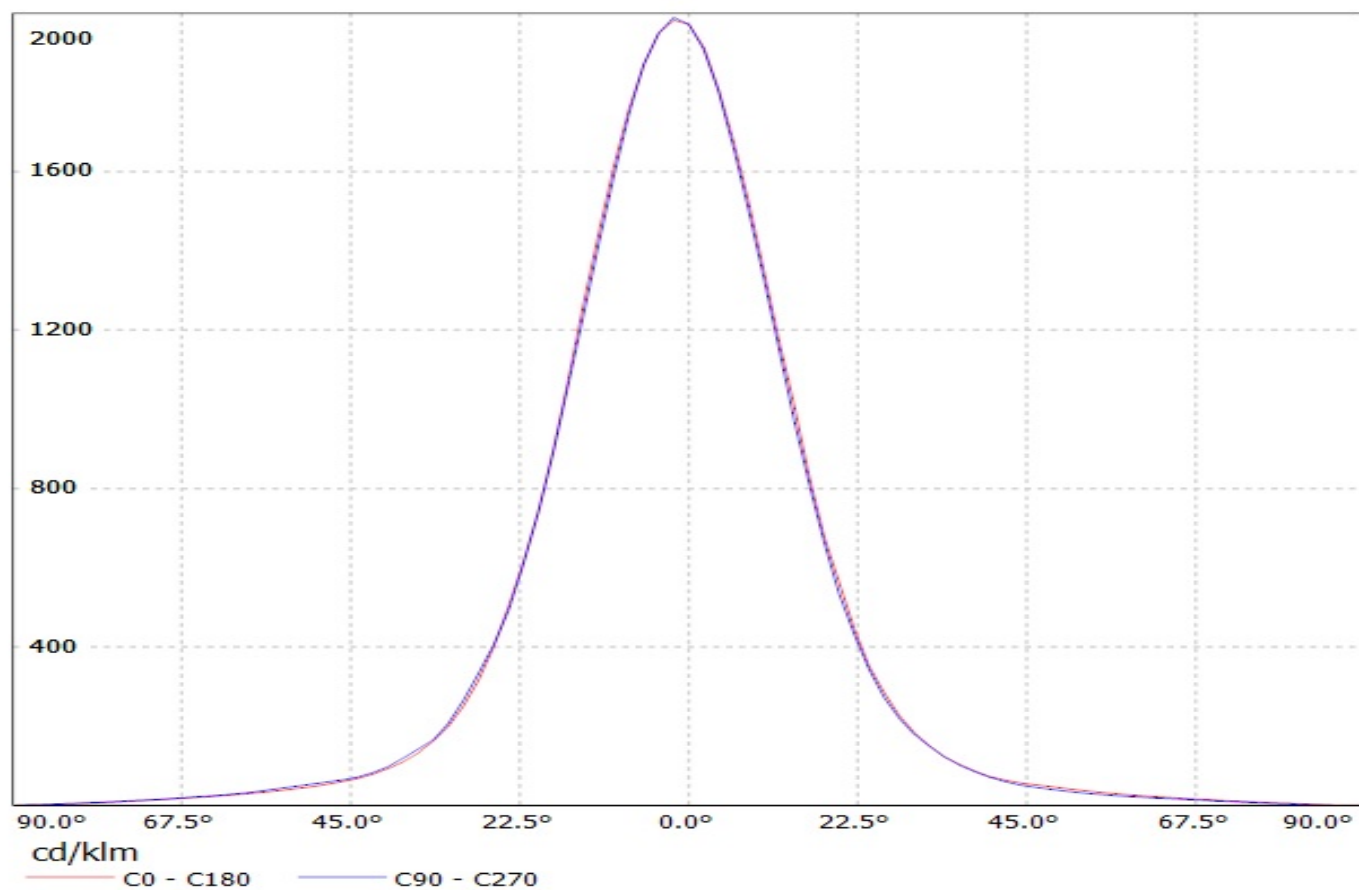
Luminaire: LEDiL Oy C13235_SATU-W_(LUXEON_T) Eff.87%
Lamps: 1 x LUXEON_T (214lm@250mA)



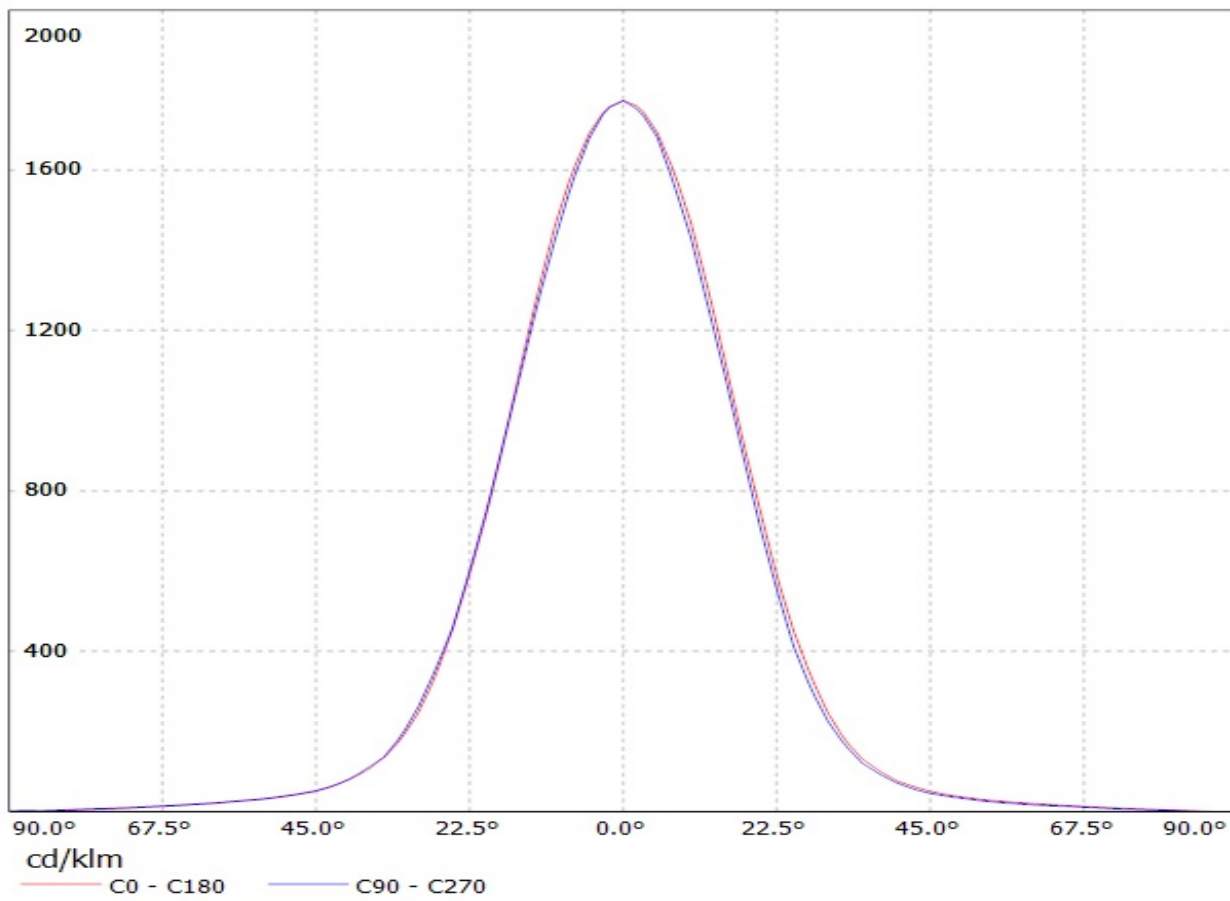
Luminaire: Ledil Oy C13235_SATU-W_(Luxeon TX) Efficiency=86%
Lamps: 1 x Luxeon TX 250lm @ 250mA CCT= P=2.13W I=250mA



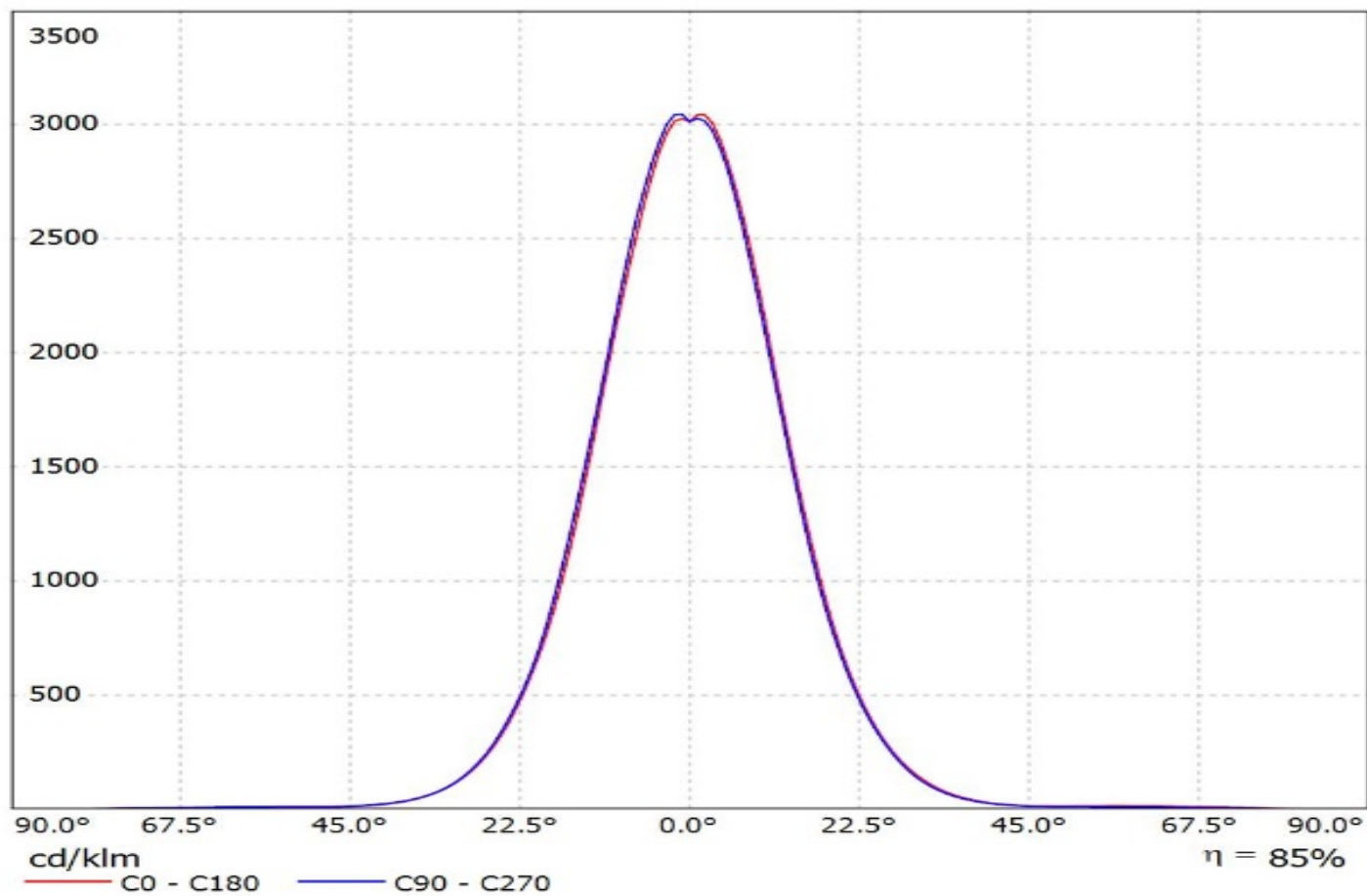
Luminaire: LEDil Oy C13235_SATU-W_(NF2x757A) Efficiency=80%
Lamps: 1 x Nichia NF2x757A (NF2W757ART) 197lm @ 100mA CCT=4700K P=1.9W I=100mA



Luminaire: Ledil Oy C13235_SATU-W (Osram Square EC 273lm @ 250mA) Efficiency=85%
Lamps: 1 x Osram Square EC (LCW CQAR.EC-MQMS-SL7N-35) 273lm @ 250mA CCT=3955K P=2,25W I=250mA

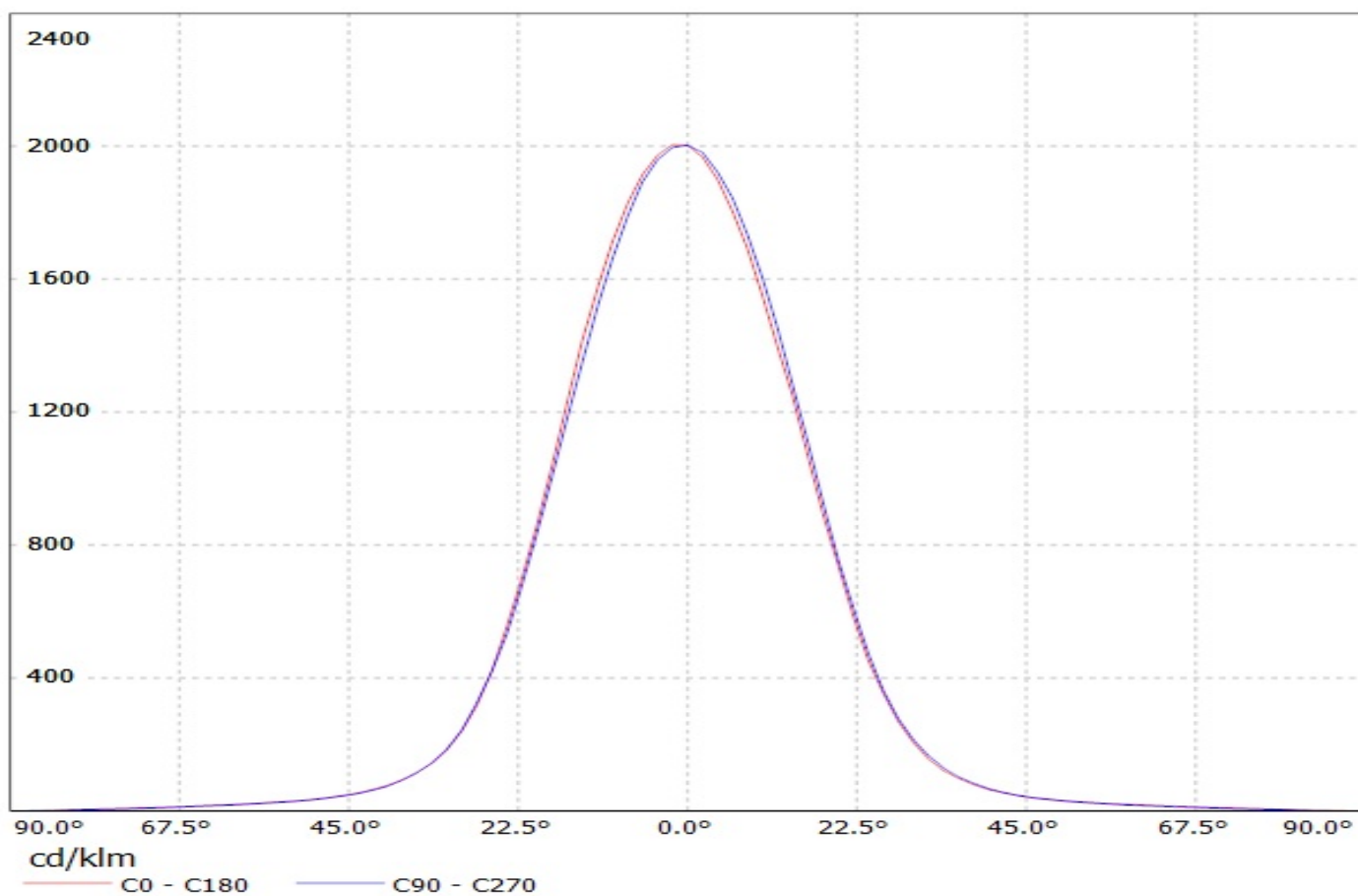


Luminaire: Ledil Oy C13235_SATU-W_(Oslon_Black)_ (glass)_SIMULATED
Lamps: 1 x Osram Oslon Black LUW H9GP

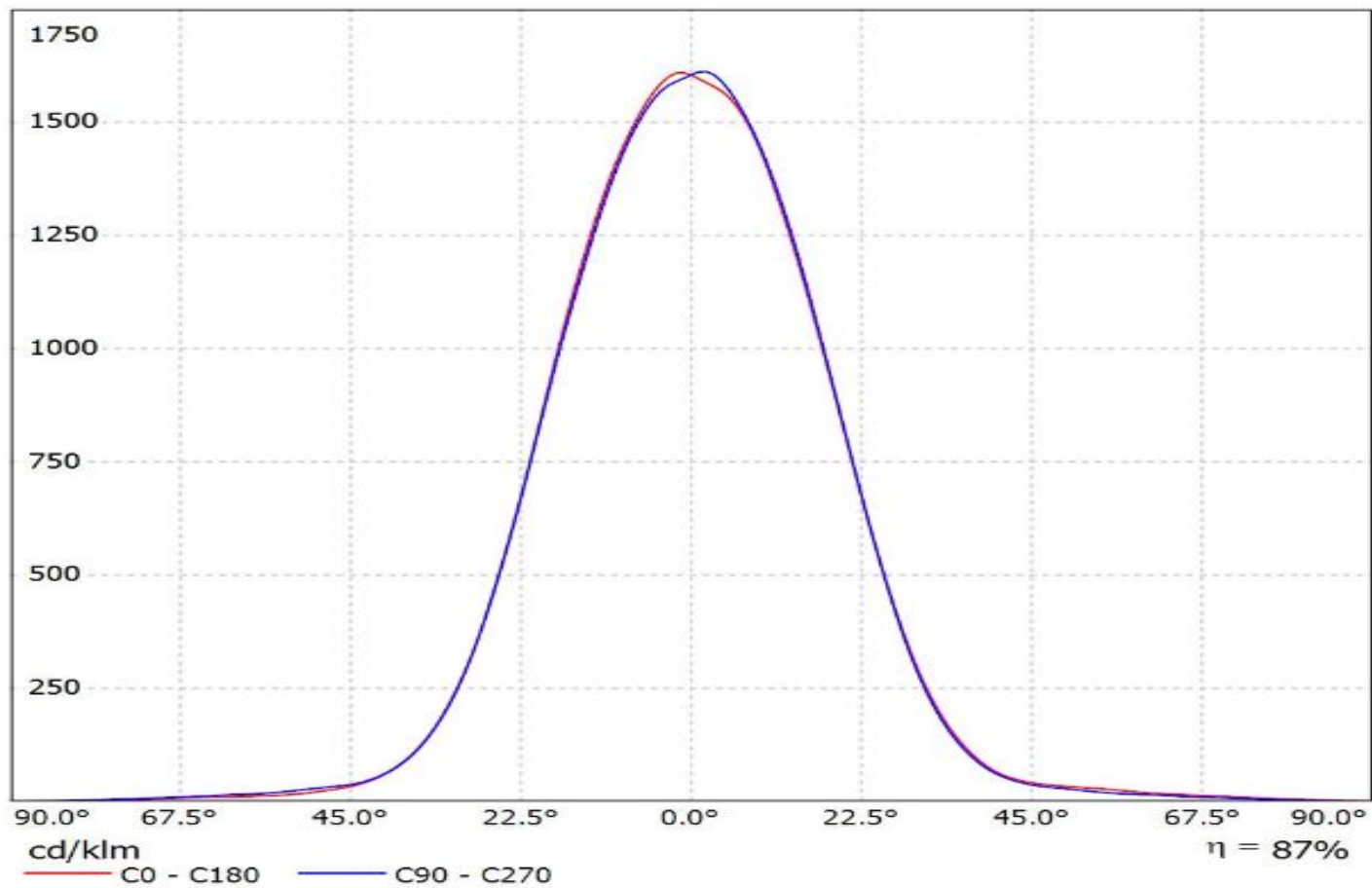


Luminaire: LEDil Oy C13235_SATU-W_(LH351Z)

Lamps: 1 x Samsung LH351Z (234.33lm @ 250mA) CCT=6500K P=2.2W I=250mA

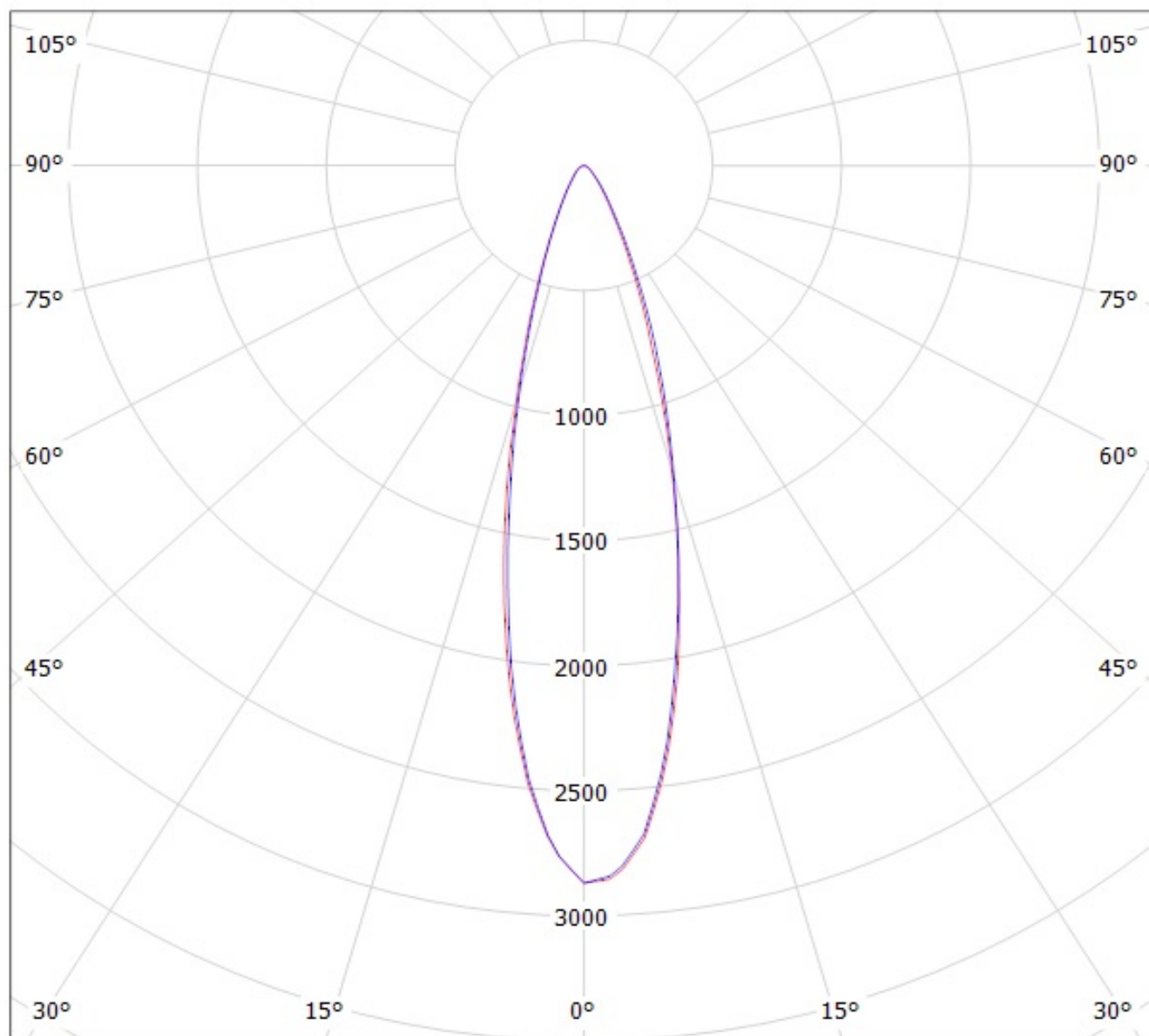


Luminaire: Ledil Oy C13235_SATU-W_SEOUL_Z8Y22+_SIMULATED
Lamps: 1 x SEOUL Z8Y22 Plus



Luminaire: Ledil Oy C13235_SATU-W_(XP-E2) Efficiency=86%

Lamps: 1 x CREE XP-E2 (XPEBWT-L1-0000-00CE7) 243lm@250mA CCT=3174K P=2.2W I=250mA



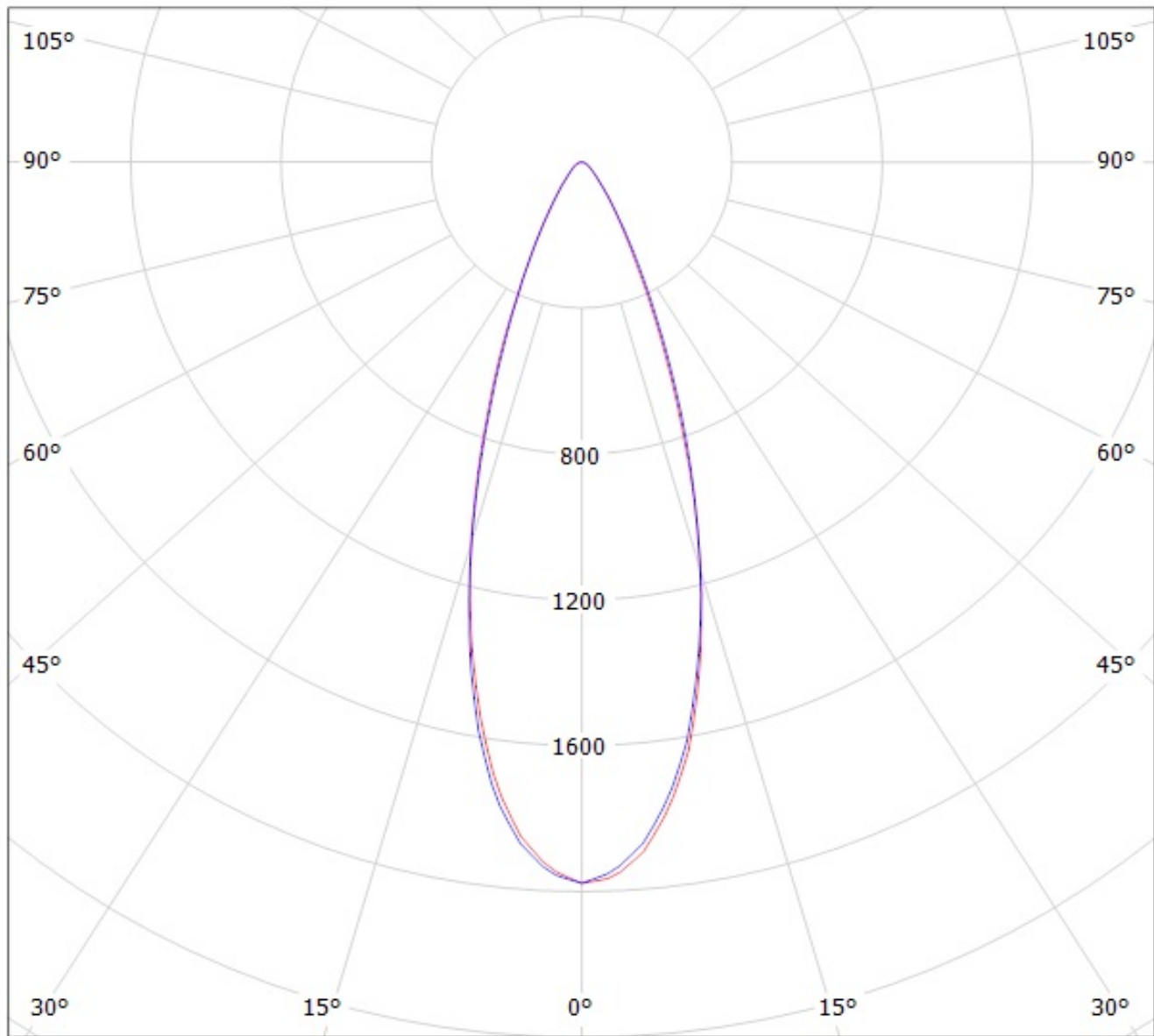
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13235_SATU-W_(XP-G2) Efficiency=87%

Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 303lm@250mA CCT=7027K P=2.2W I=250mA



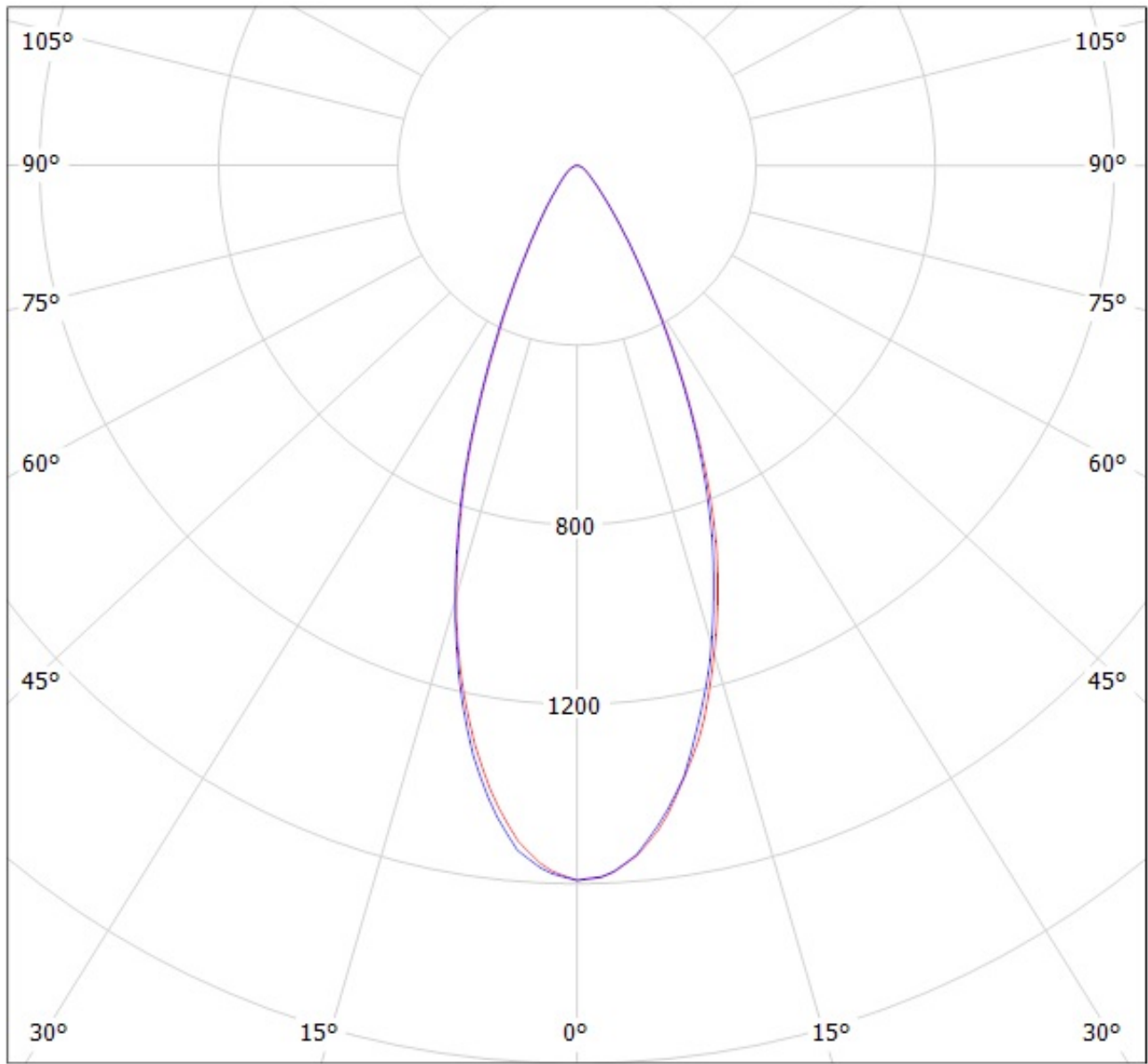
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13235_SATU-W_(3535_3W) Efficiency=86%

Lamps: 1 x LG 3535 Ceramic 3W (LEMWA33) 278lm@250mA CCT=6287K P=2.2W I=250mA

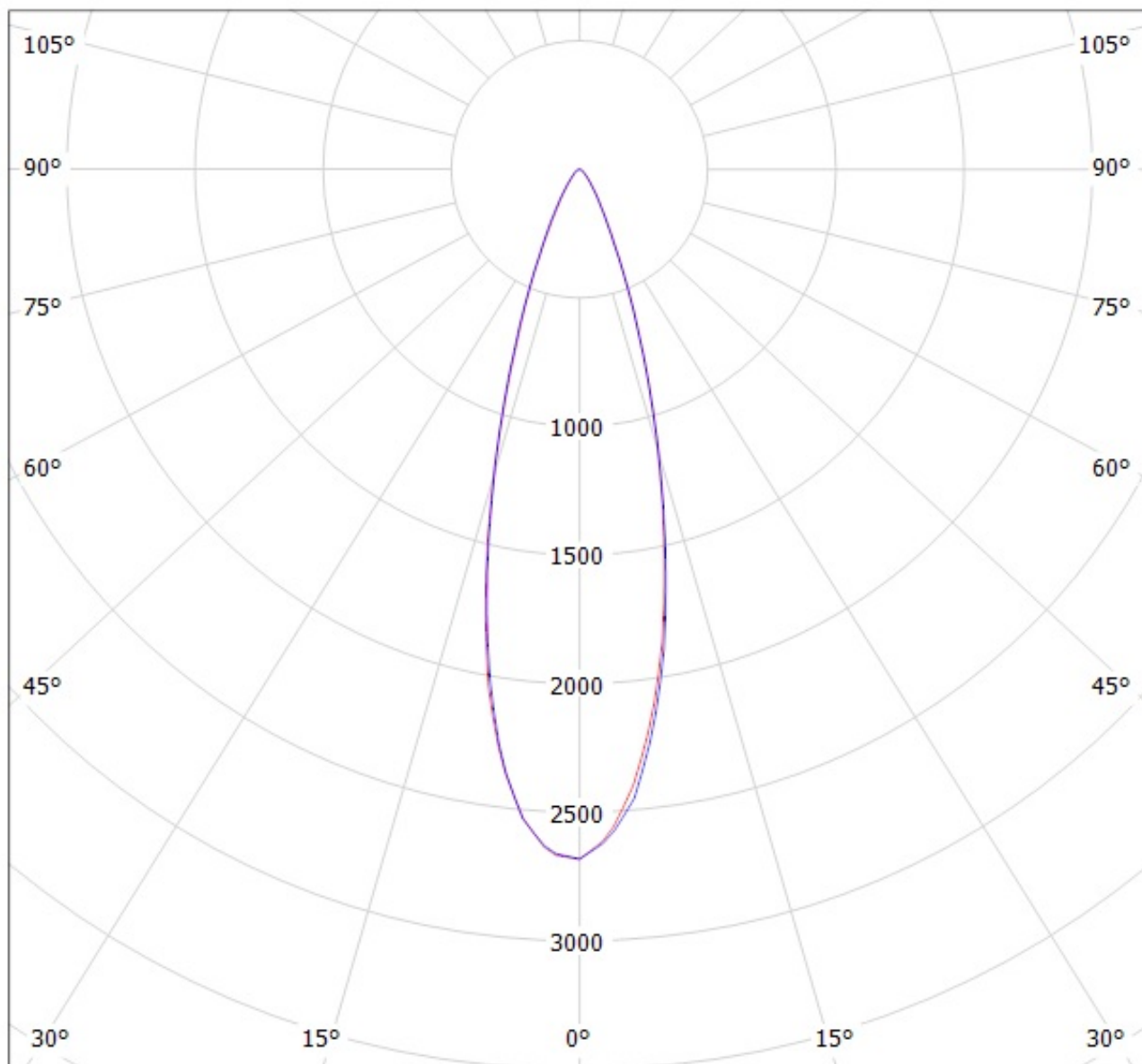


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13235_SATU-W_(3535-2W) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic 2W (LEMWA32) 233lm@250mA CCT=3700K P=2.2W I=250mA

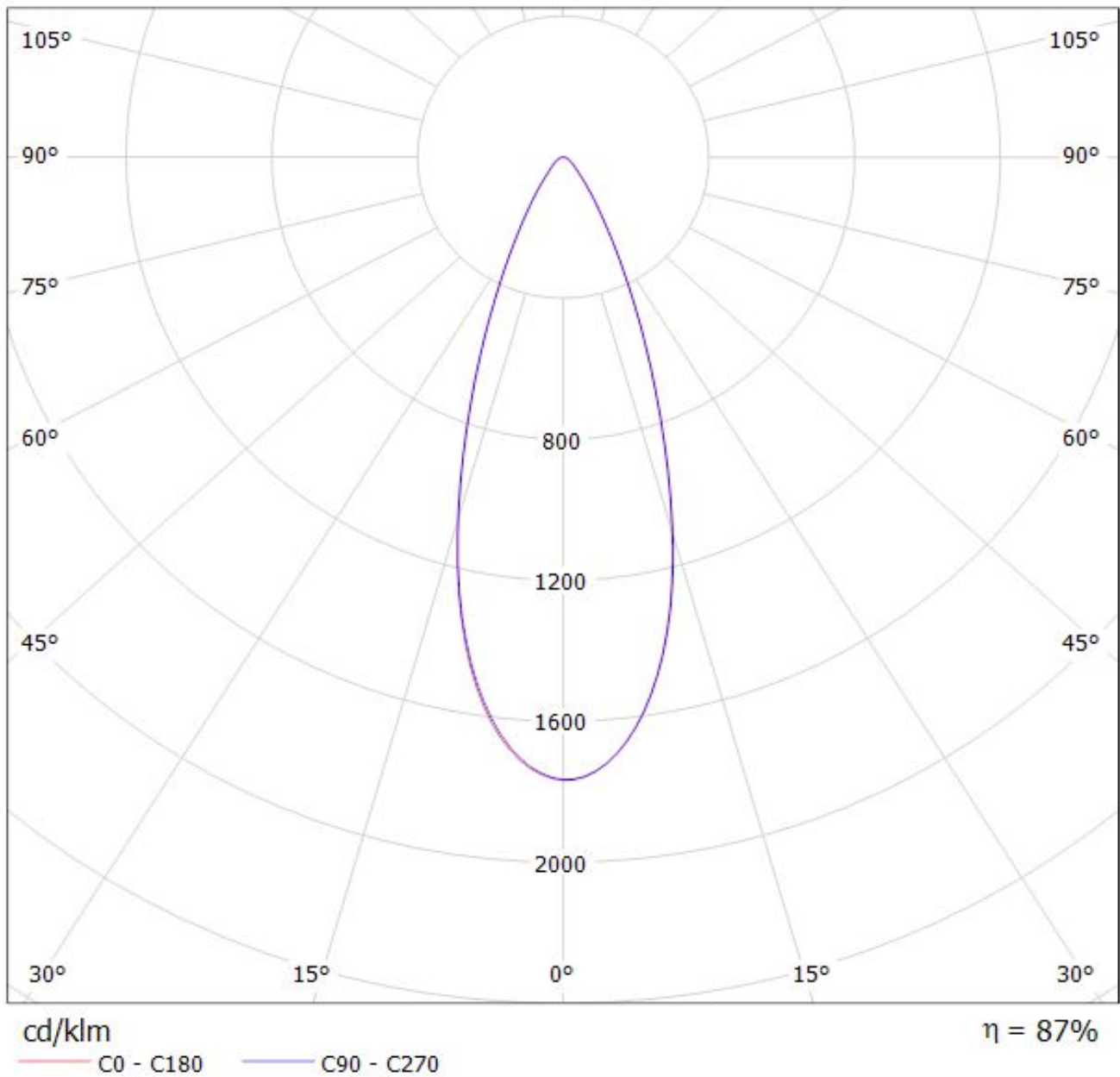


cd/klm

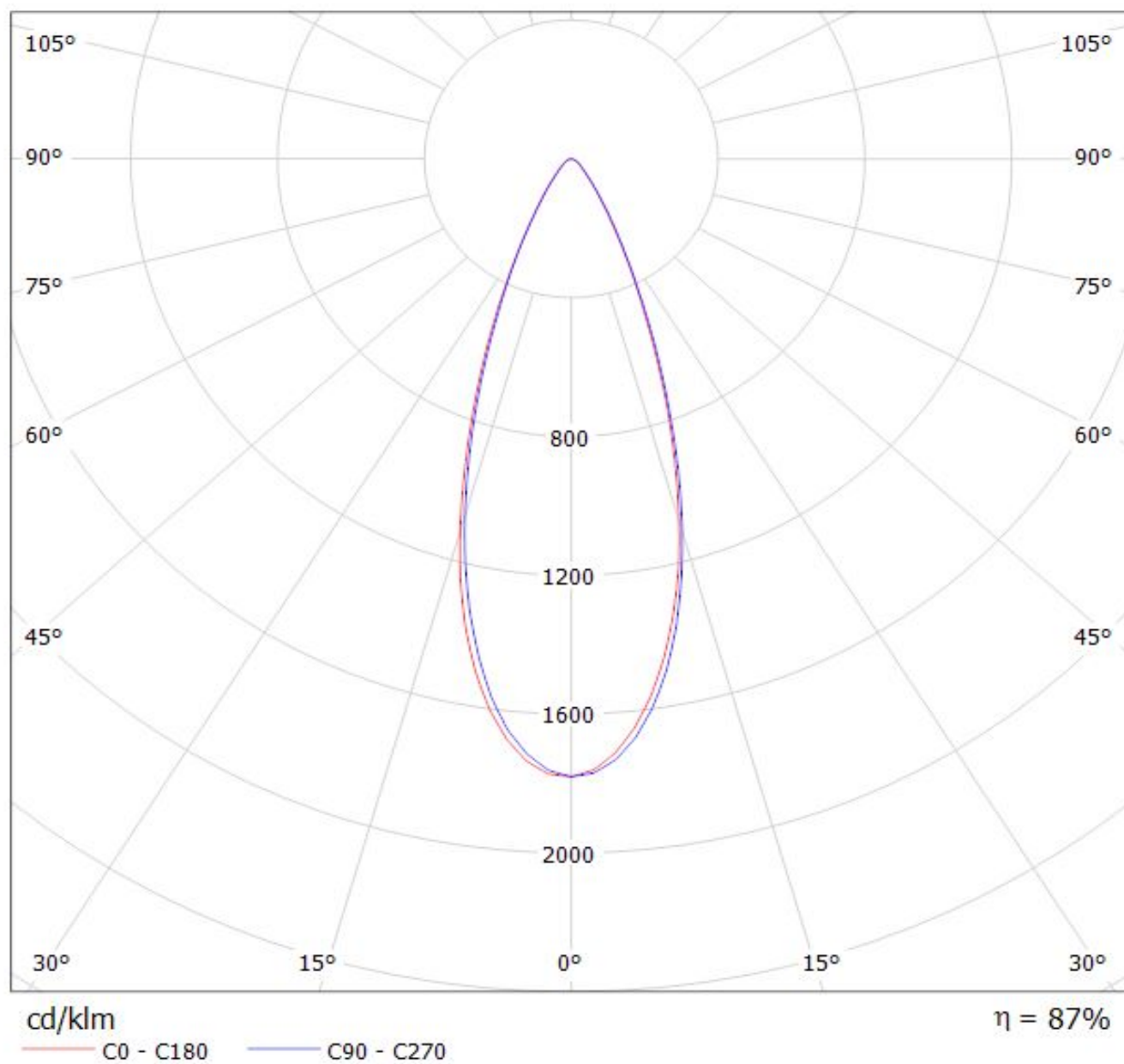
— C0 - C180

— C90 - C270

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Lamps: 1 x LUXEON_T (214lm@250mA)

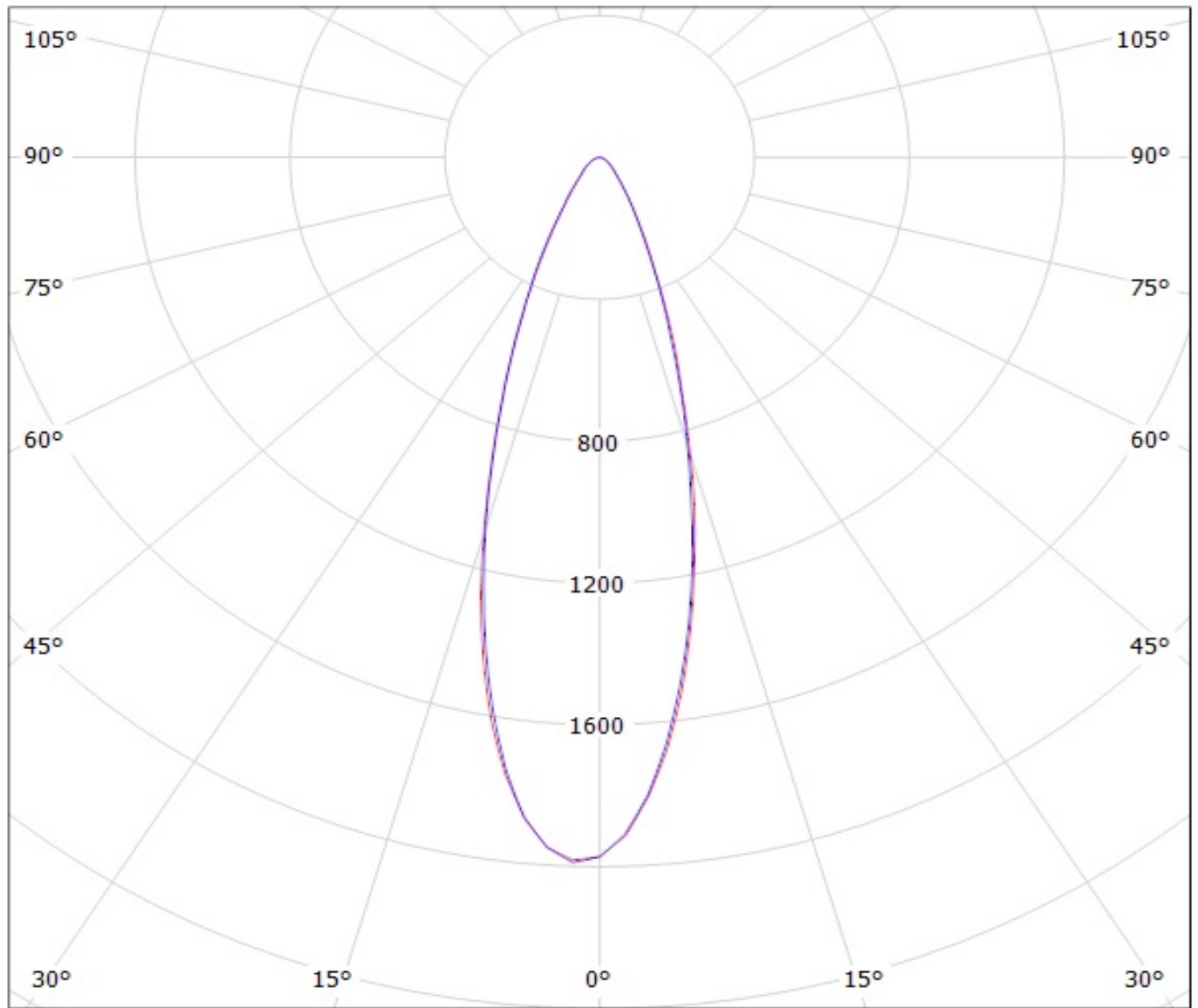


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Lamps: 1 x Nichia NF2x757A (NF2W757ART) 197lm @ 100mA CCT=4700K P=1.9W I=100mA

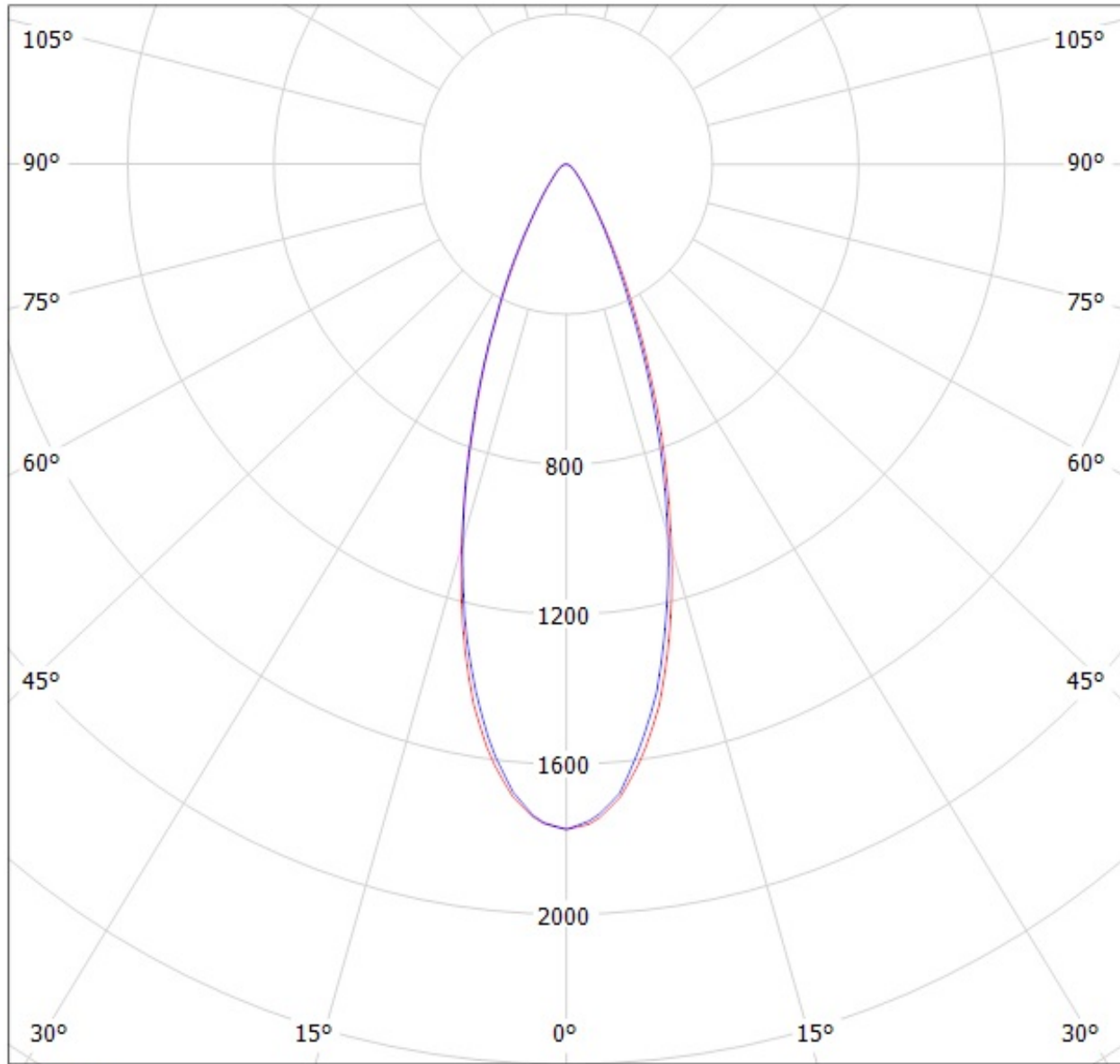


cd/klm

— C0 - C180

— C90 - C270

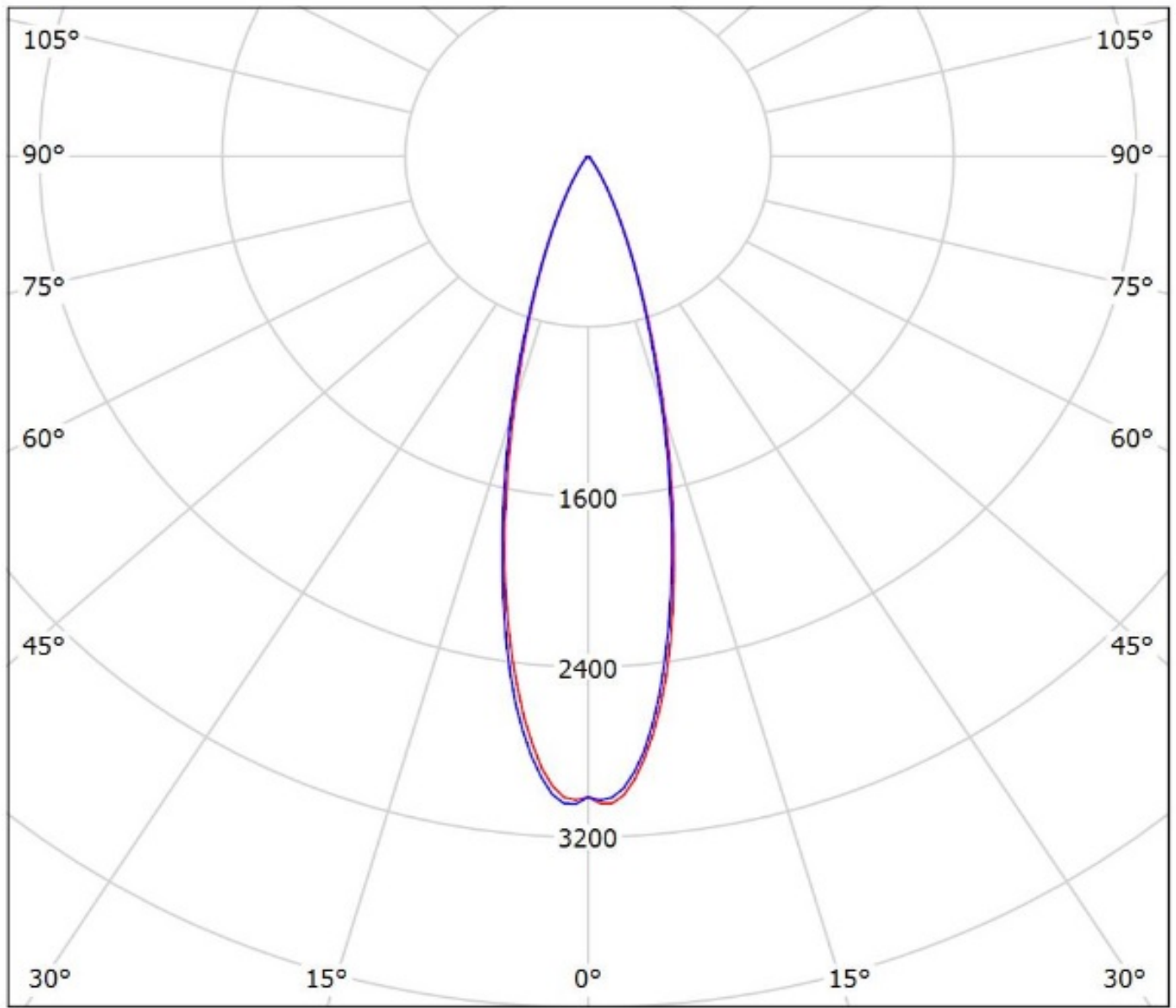
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Lamps: 1 x Osram Square EC (LCW CQAR.EC-MQMS-SL7N-35) 273lm @ 250mA CCT=3955K P=2,25W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C13235_SATU-W_(Oslon_Black)_ (glass)_SIMULATED
Lamps: 1 x Osram Oslon Black LUW H9GP



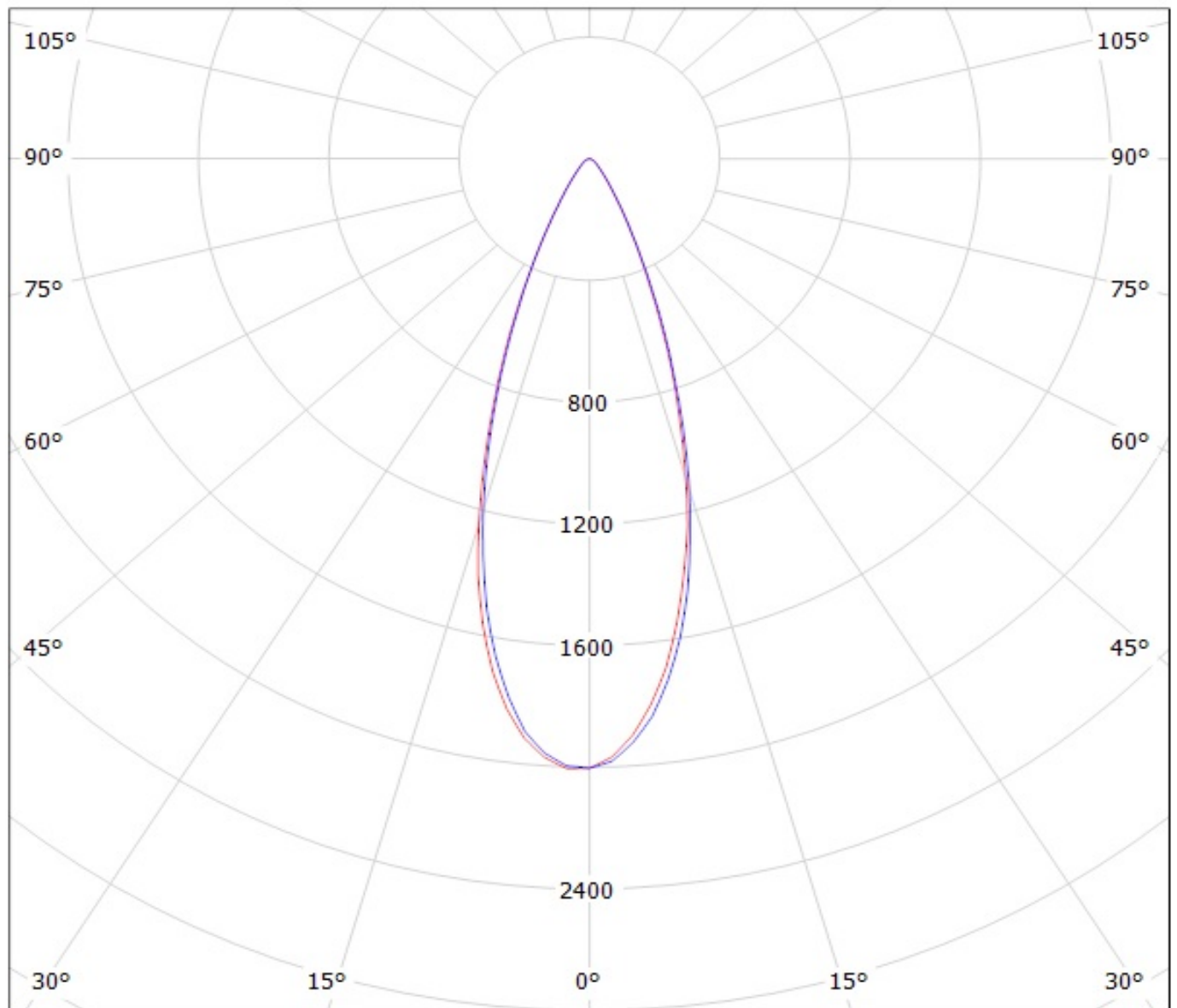
cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: LEDil Oy C13235_SATU-W_(LH351Z)

Lamps: 1 x Samsung LH351Z (234.33lm @ 250mA) CCT=6500K P=2.2W I=250mA

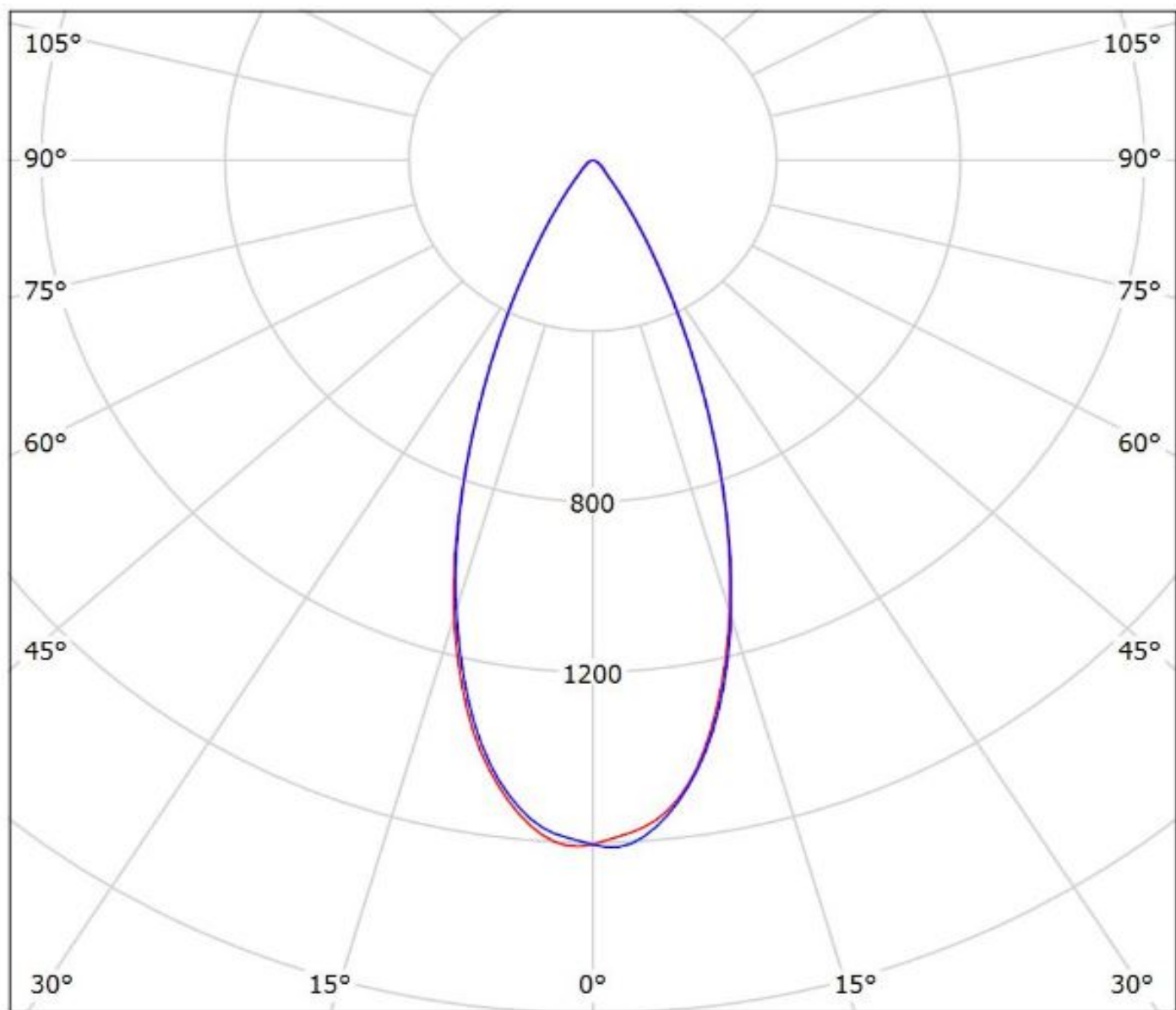


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C13235_SATU-W_SEOUL_Z8Y22+_SIMULATED
Lamps: 1 x SEOUL Z8Y22 Plus



cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

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.