PRODUCT DATASHEET
Satu series
last update 2/10/2013

DETAILS

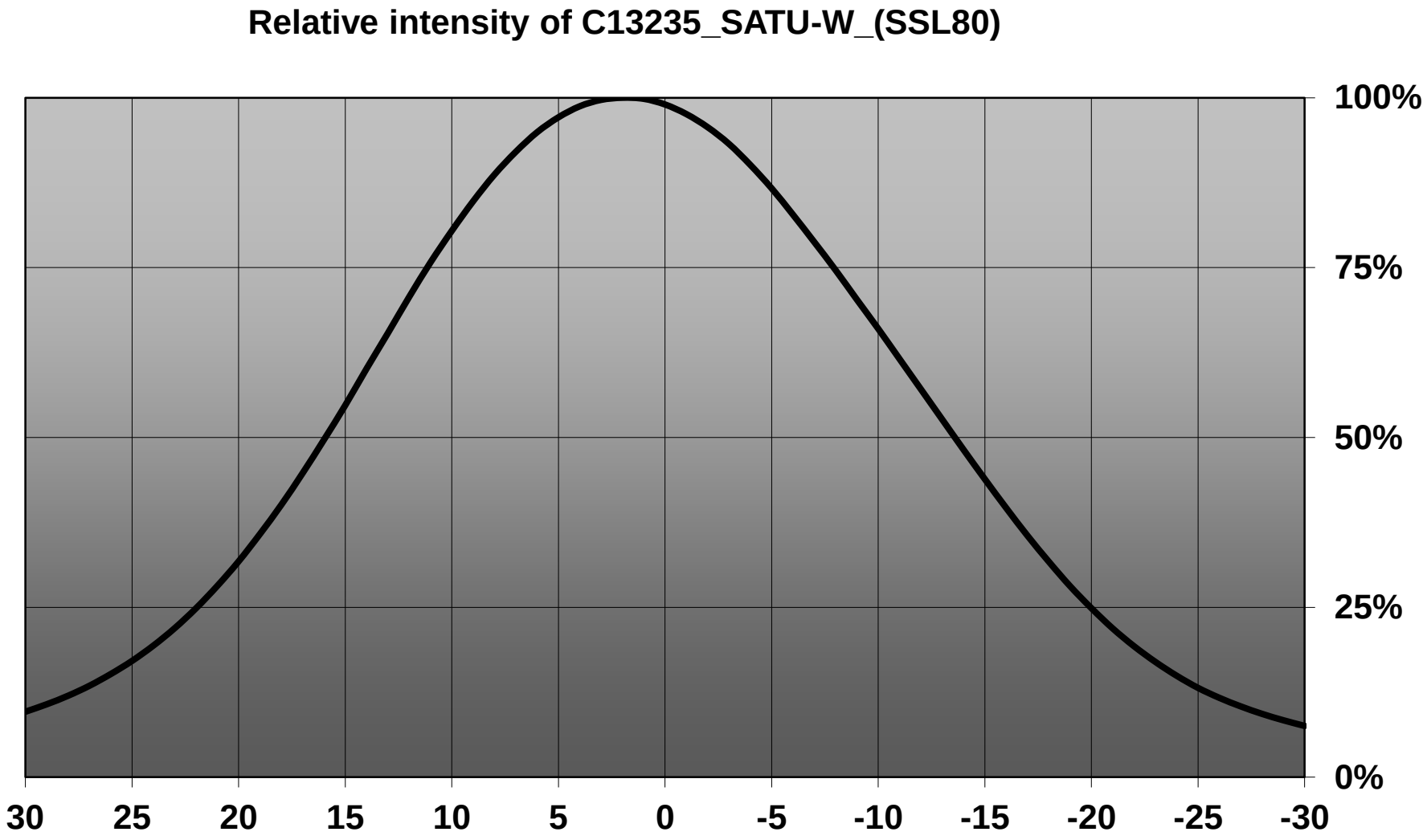
Product Number	C13235_SATU-W
Family	Satu
Type	Lens array
Color	clear
Diameter	21.8 mm
Height	8.9 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	ready
ROHS Comliant	Yes
Date Updated	6/05/2014

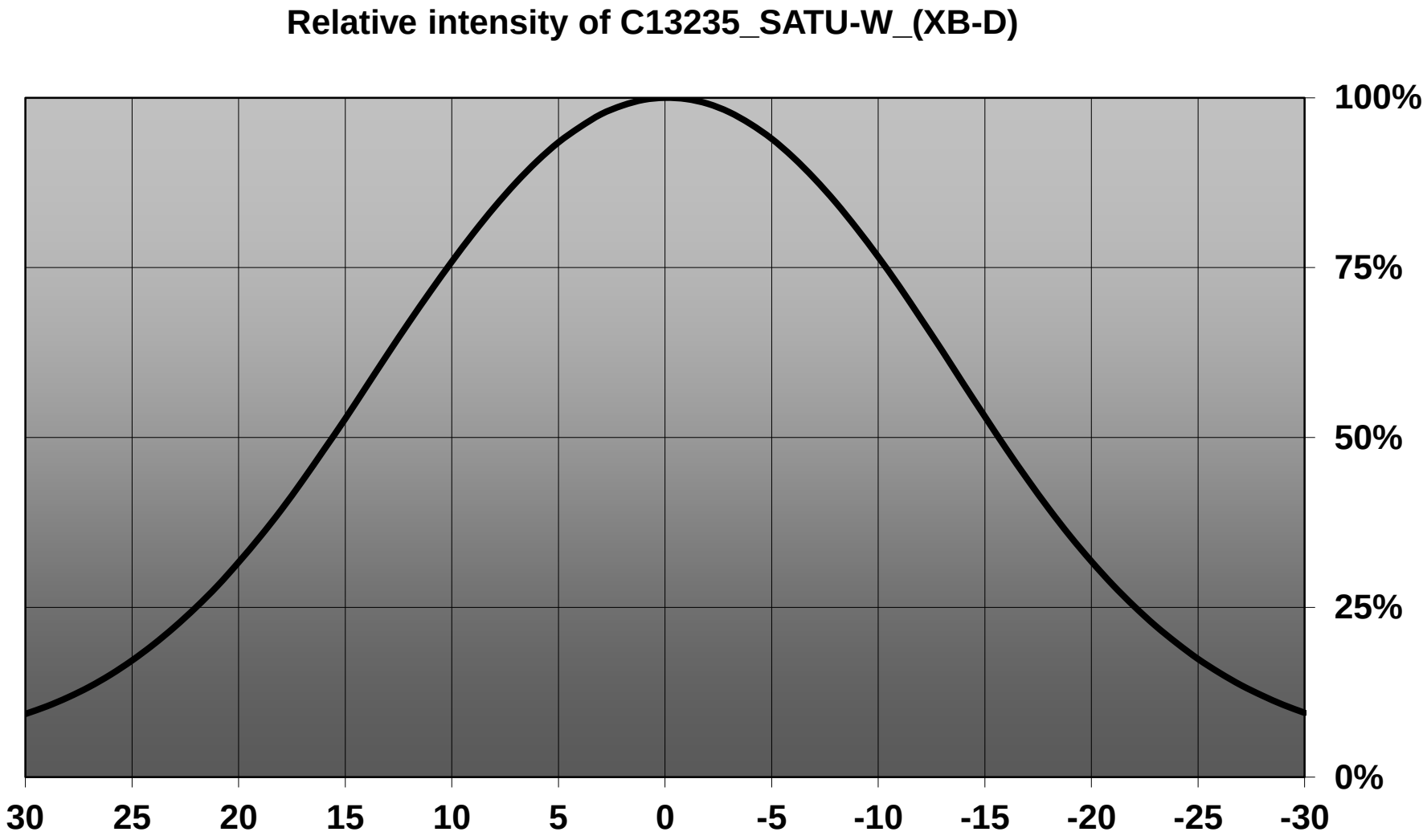
OPTICAL PROPERTIES

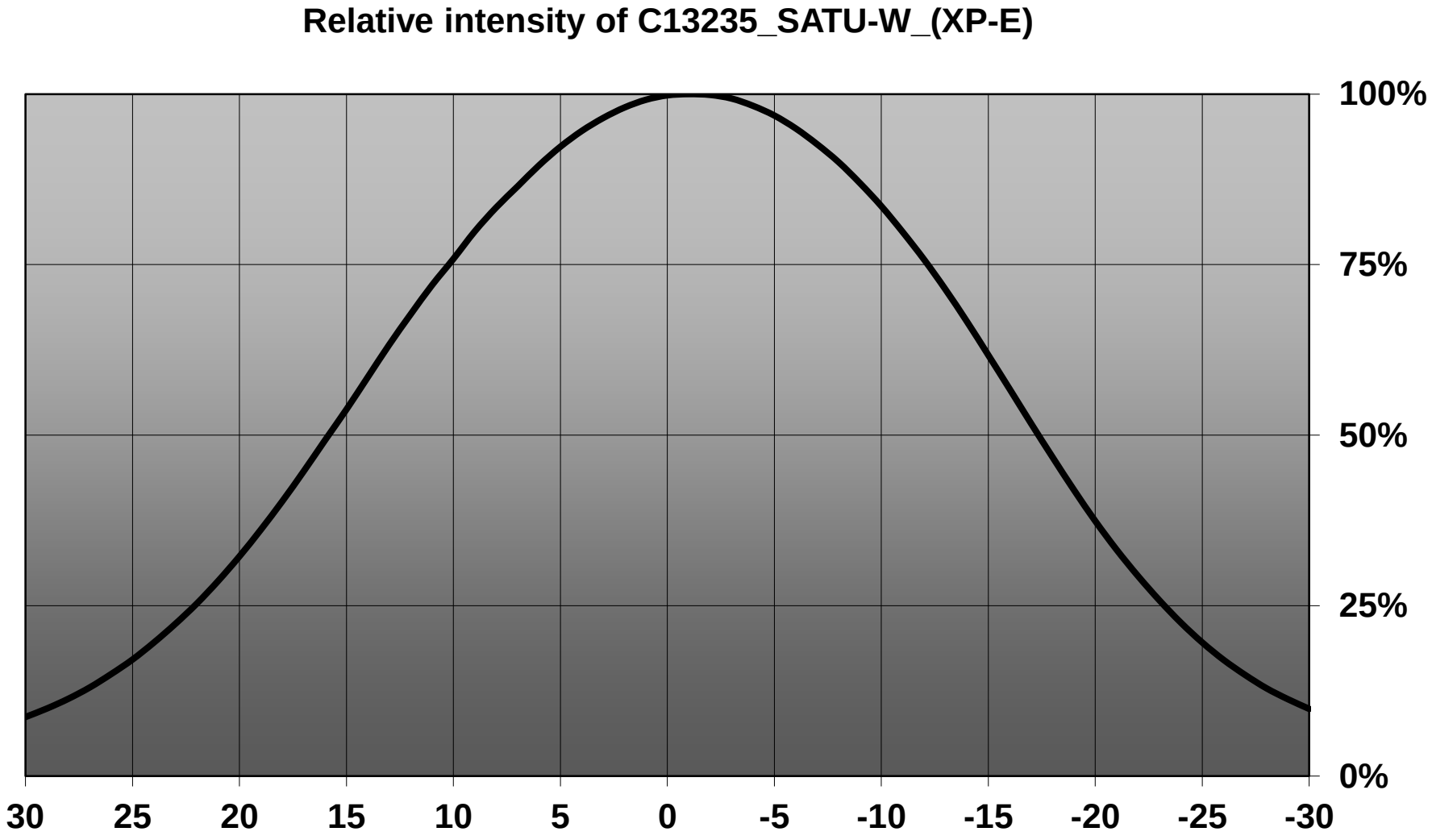
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XT-E	sim: 34	Wide	-	sim: 0.000	-
NVSxx19B/NVSxx19C	sim: 39	Wide	sim: 87 %	sim: 1.810	-
LUXEON H50-2	sim: 40	Wide	-	sim: 2.000	-
XP-E2	27 deg	Wide	86 %	2.900	-
H35B0 (LEMWA32)	29 deg	Wide	86 %	2.700	-
Oslon SSL 80	30 deg	Wide	80 %	2.400	-
XB-D	31 deg	Wide	77 %	2.100	-
NF2x757A	32 deg	Wide	80 %	2.000	-
XP-E	33 deg	Wide	84 %	2.200	-
XP-G	34 deg	Wide	82 %	1.900	-
XP-G2	35 deg	Wide	87 %	2.000	-
LH351Z	36 deg	Wide	87 %	2.000	-
Oslon Square EC	37 deg	Wide	85 %	1.800	-
LUXEON T	37 deg	Wide	87 %	1.800	-
LUXEON TX	38 deg	Wide	86 %	1.800	-
H35C0 (LEMWA33)	41 deg	Wide	86 %	1.600	-

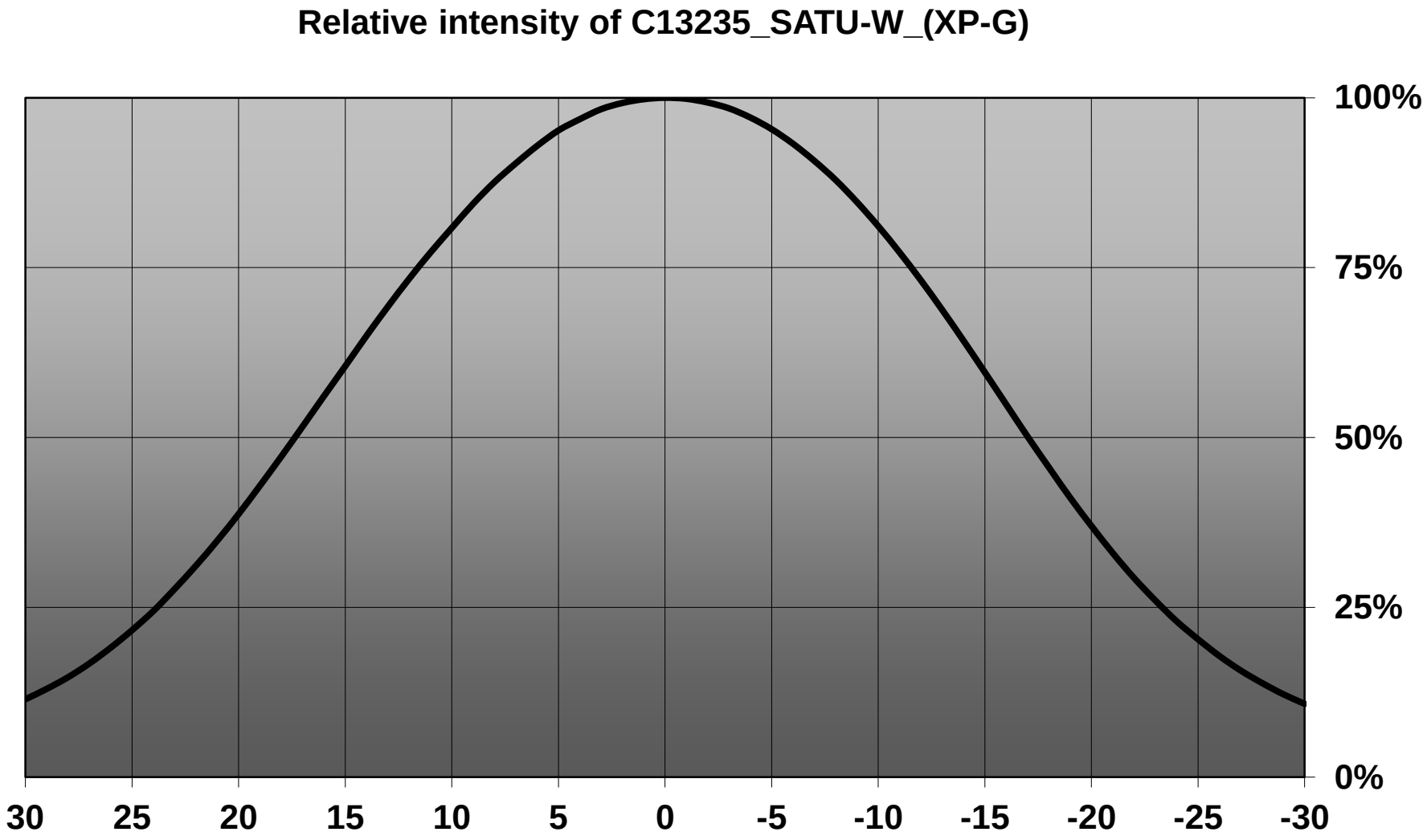
Ledil Oy
Salorankatu 10
24240 SALO, Finland

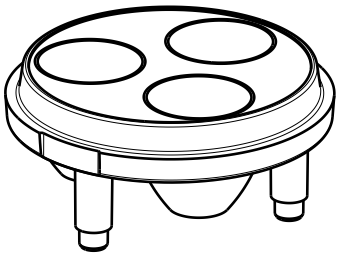
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

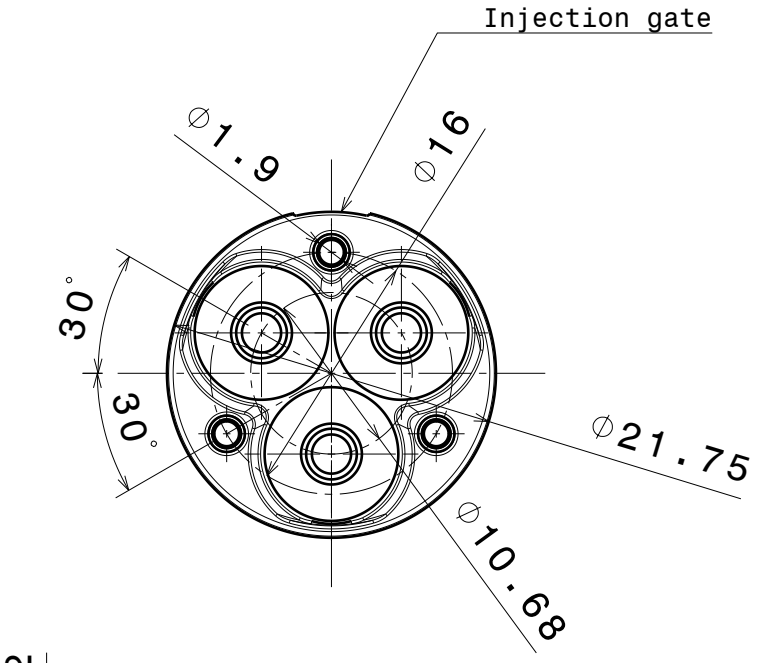

Relative intensity of C13235_SATU-W_(SSL80)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

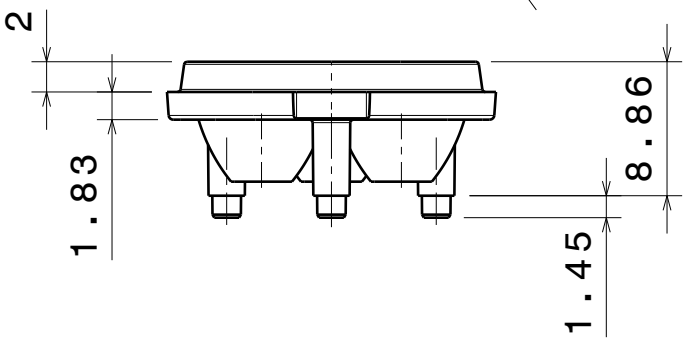

Relative intensity of C13235_SATU-W_(XB-D)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30


Relative intensity of C13235_SATU-W_(XP-E)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30


Relative intensity of C13235_SATU-W_(XP-G)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30







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

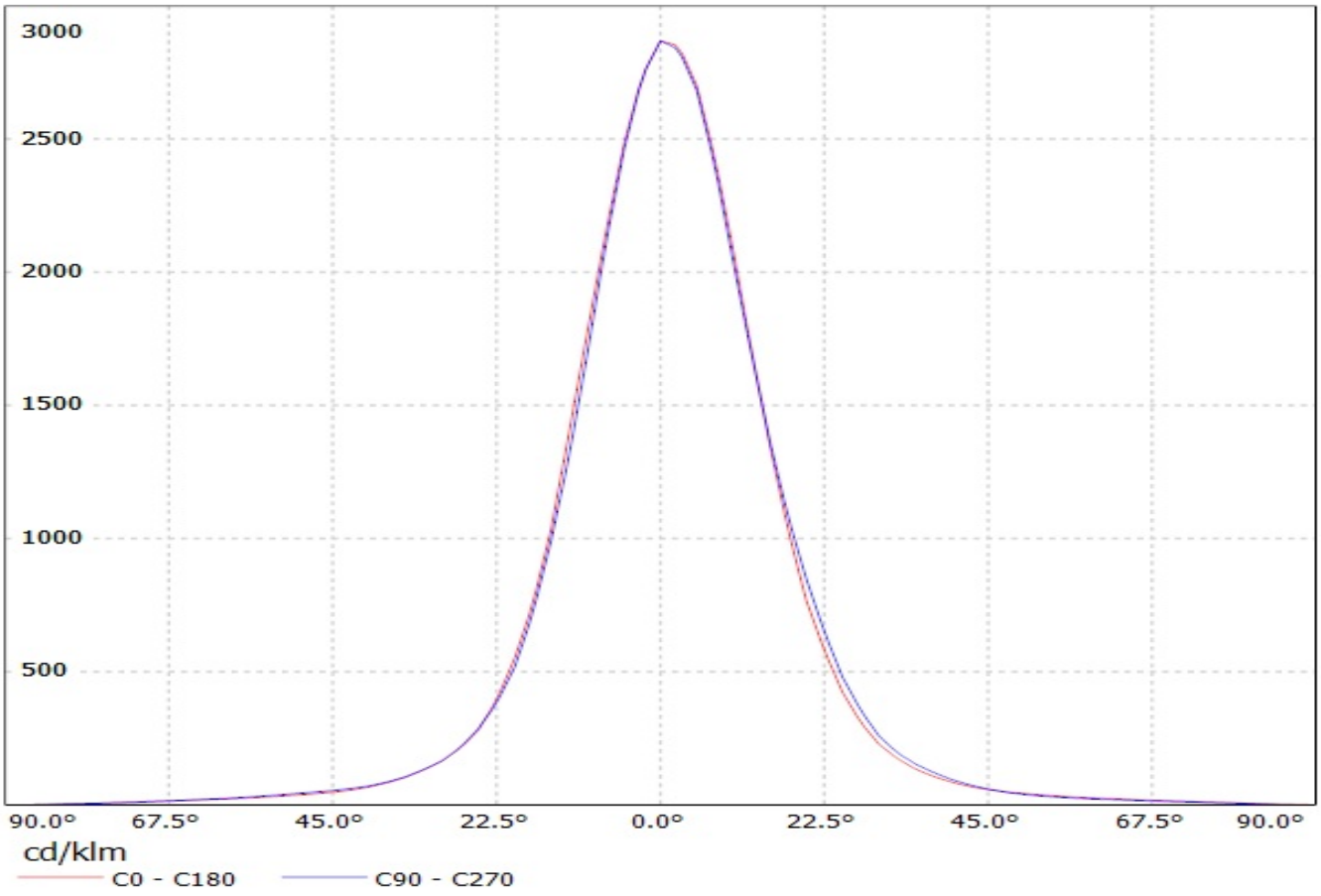
C13235_SATU-W

SIZE A4

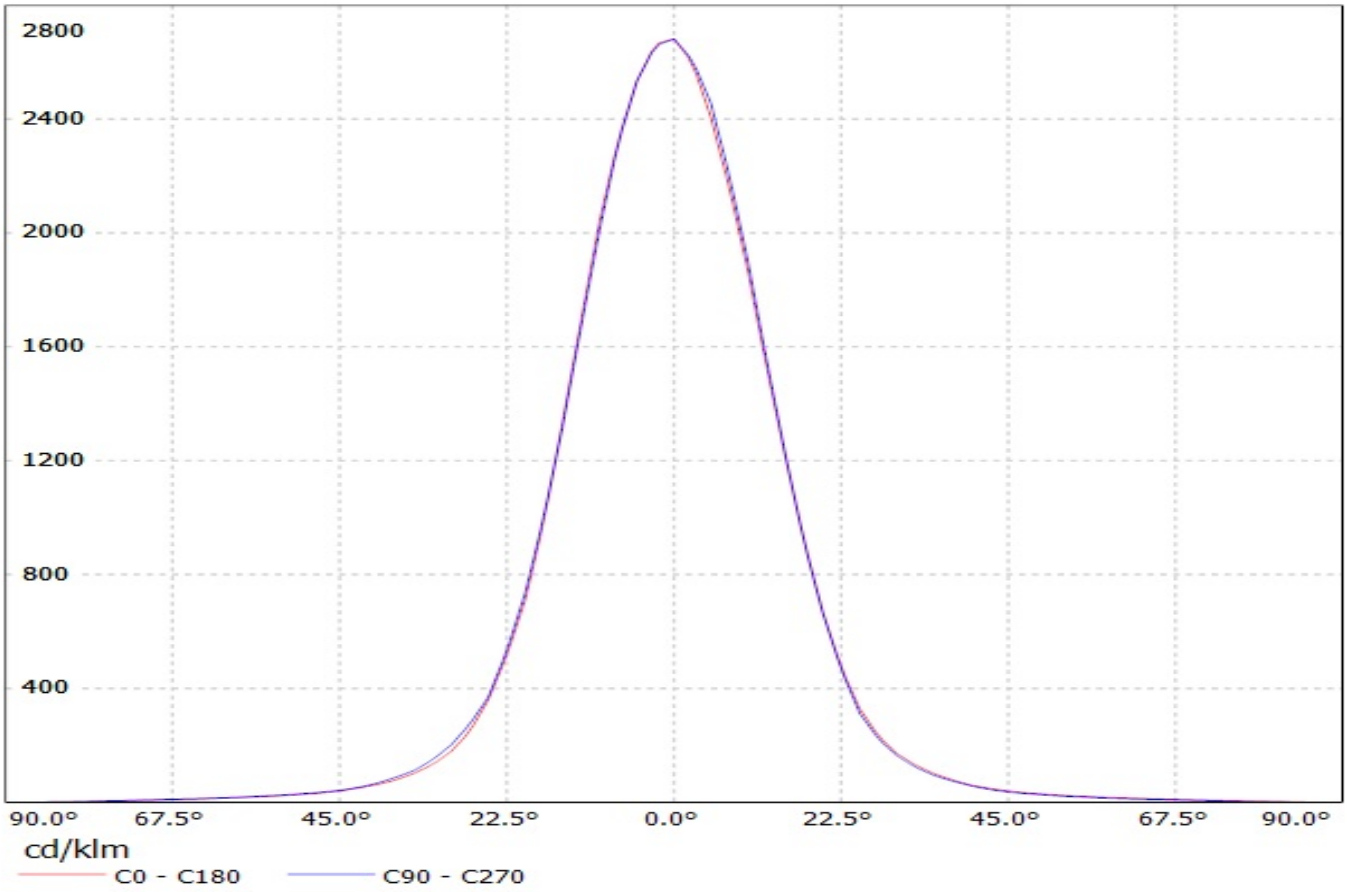
PART NUMBER C13235

SCALE 2:1 | WEIGHT 2 g | SHEET 1/1

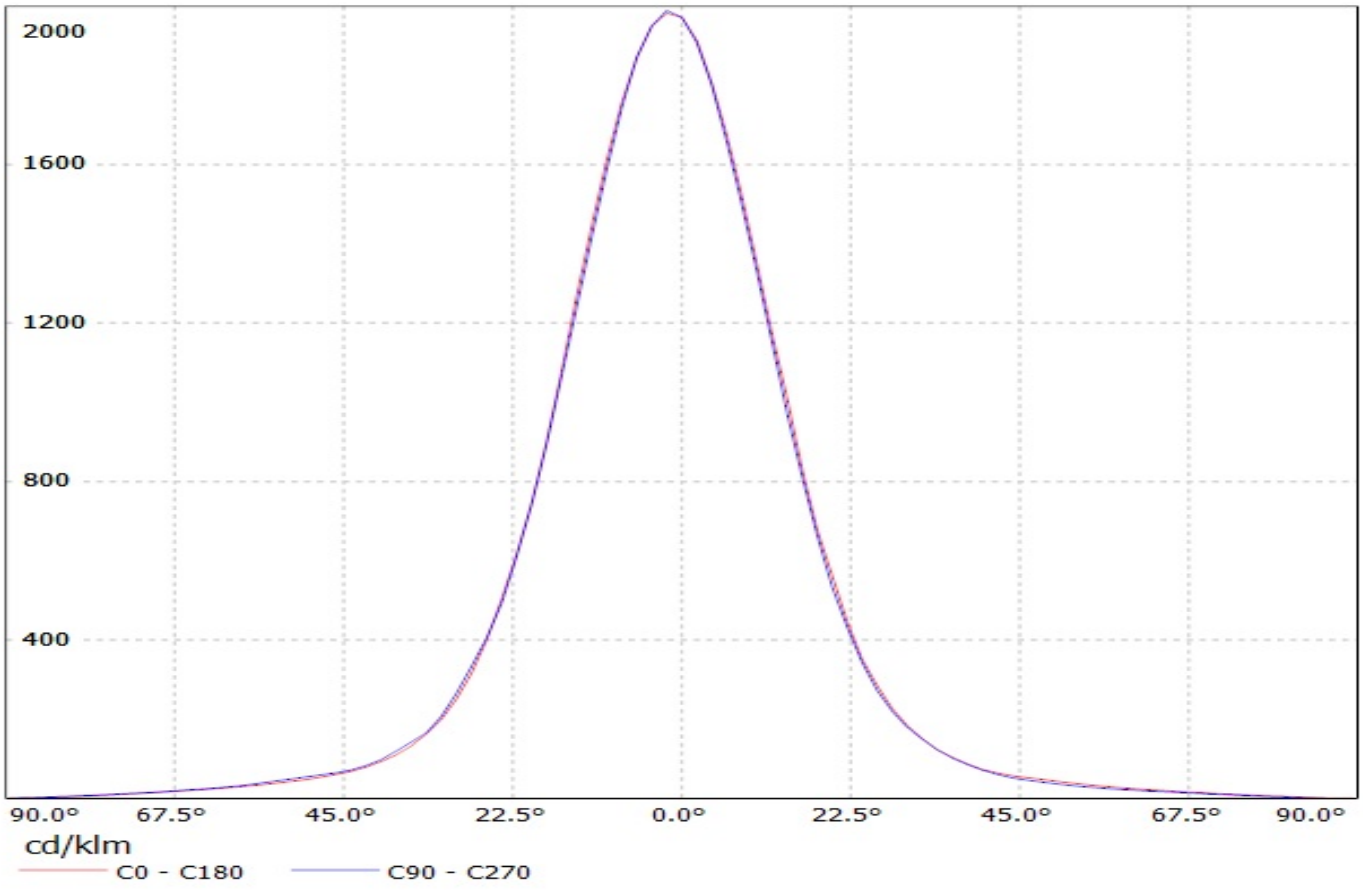
Luminaire: Ledil Oy C13235_SATU-W_(XP-E2) Efficiency=86%
Lamps: 1 x CREE XP-E2 (XPEBWT-L1-0000-00CE7) 243lm@250mA CCT=3174K P=2.2W I=250mA



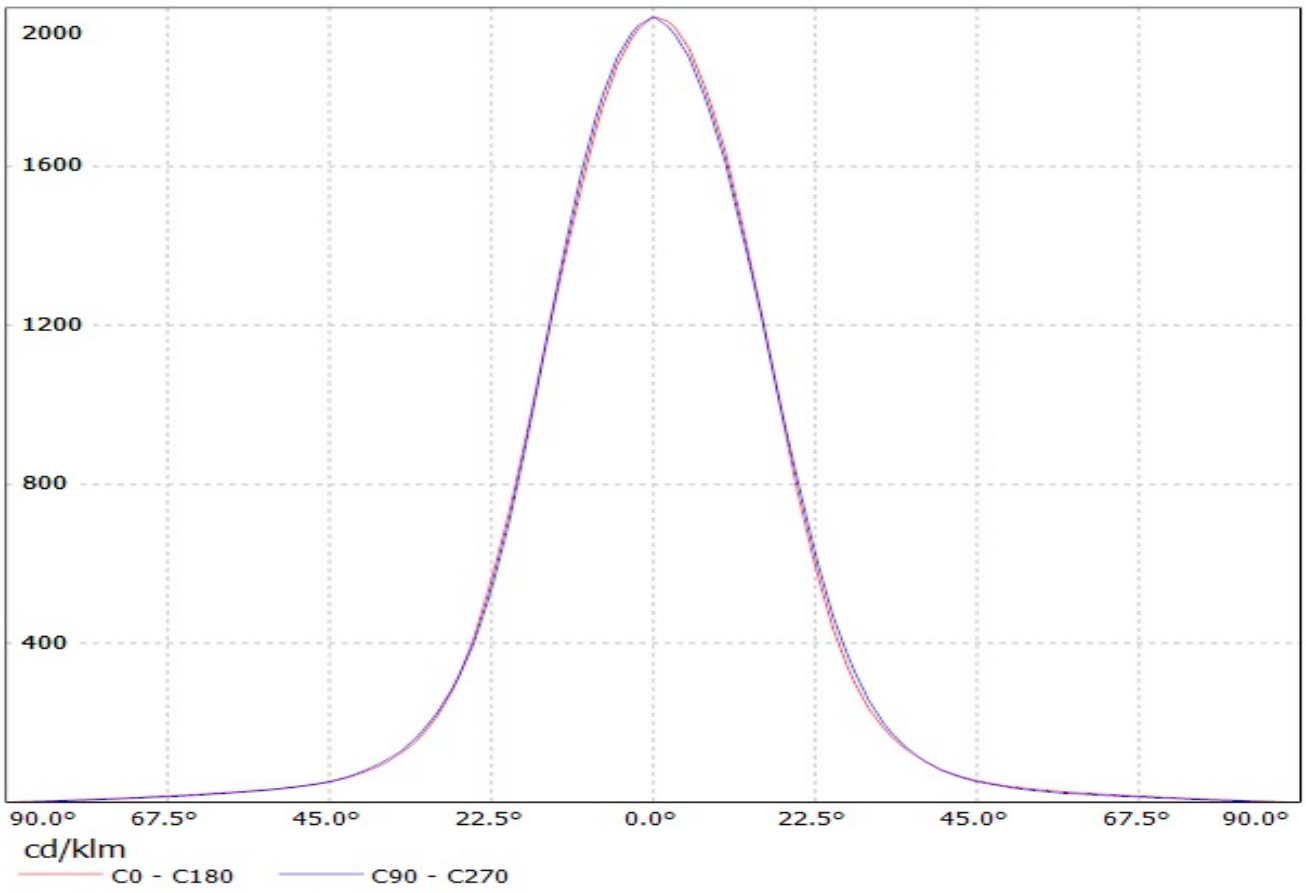
Luminaire: Ledil Oy C13235_SATU-W_(3535-2W) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic 2W (LEMWA32) 233lm@250mA CCT=3700K P=2.2W I=250mA



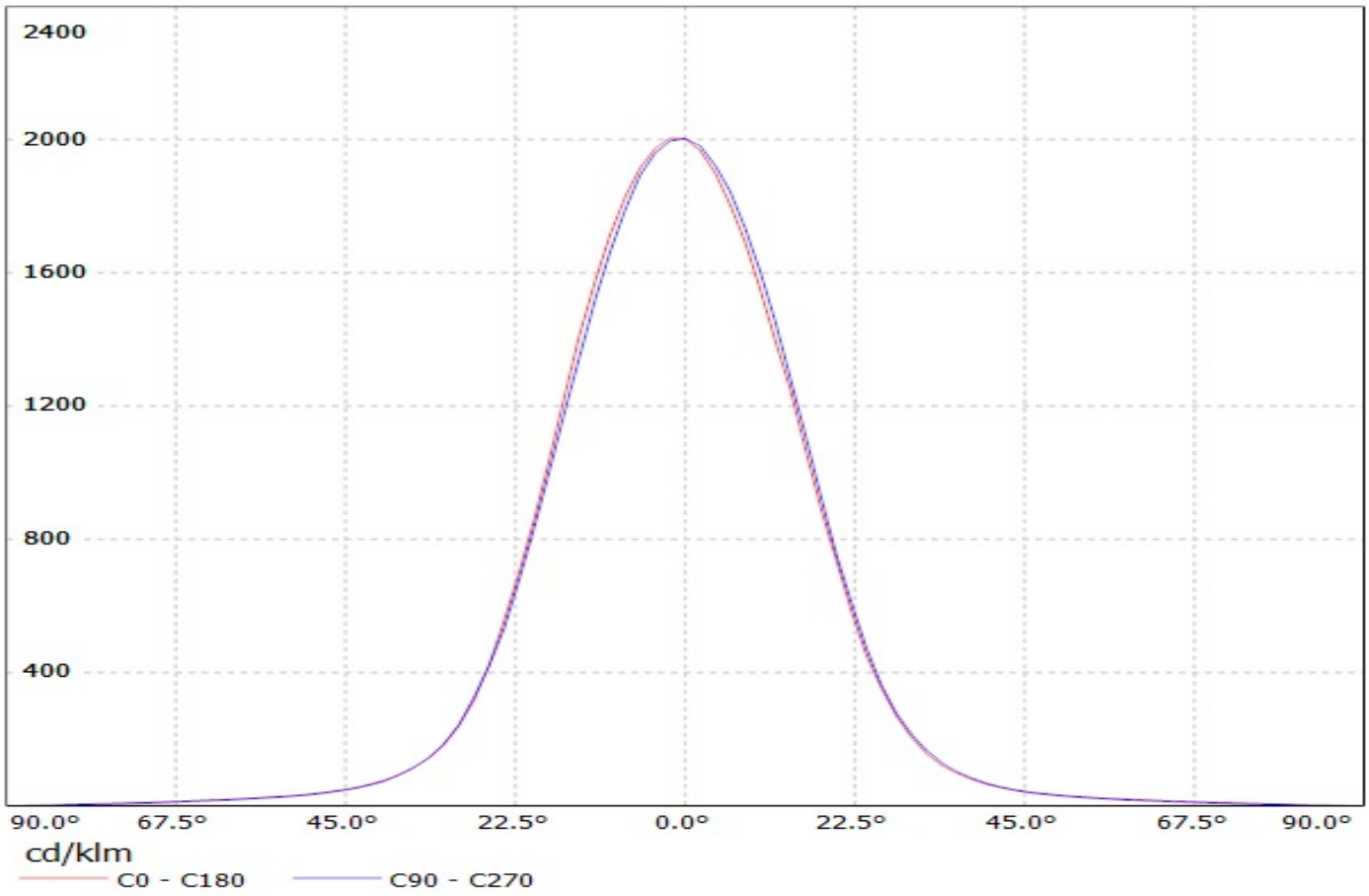
Luminaire: LEDil Oy C13235_SATU-W_(NF2x757A) Efficiency=80%
Lamps: 1 x Nichia NF2x757A (NF2W757ART) 197lm @ 100mA CCT=4700K P=1.9W I=100mA



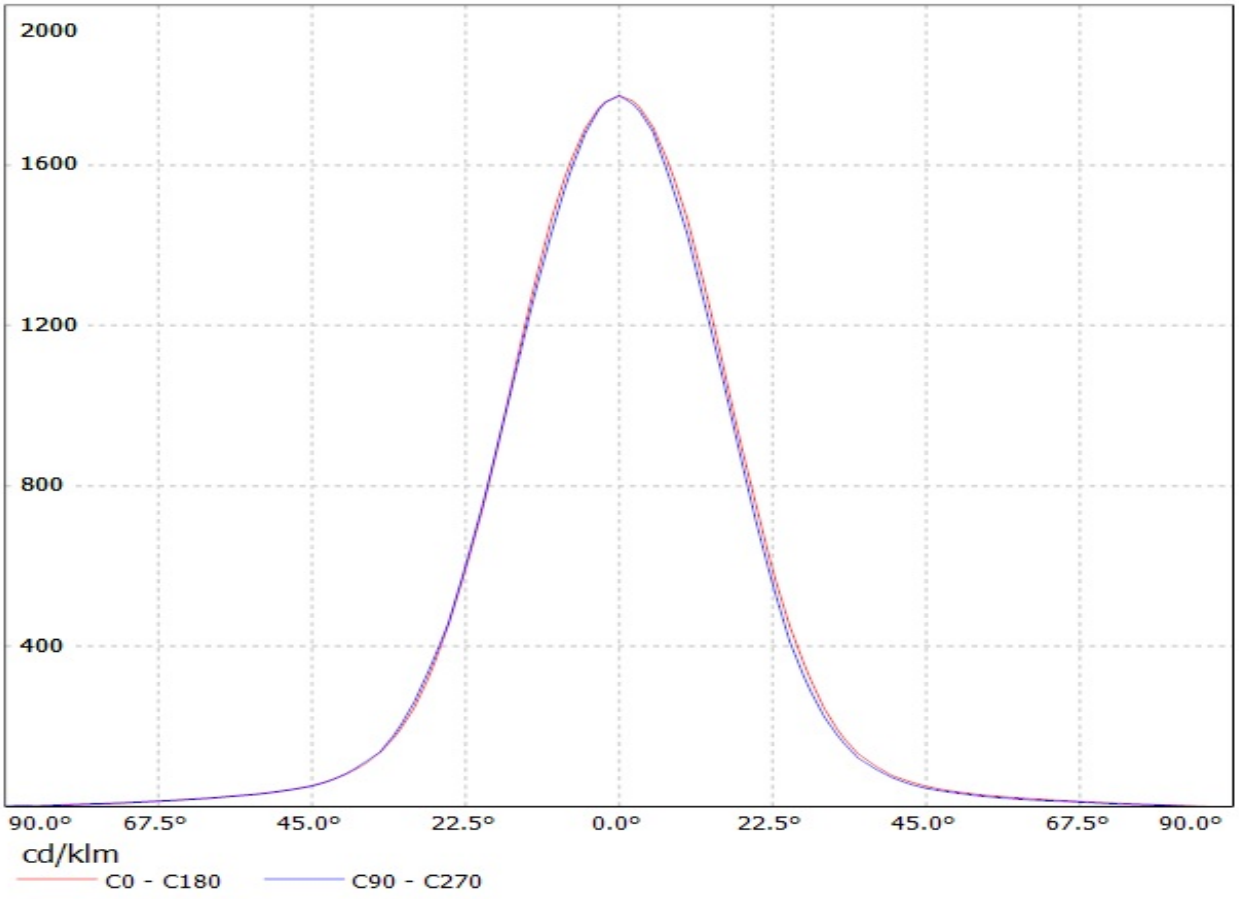
Luminaire: Ledil Oy C13235_SATU-W_(XP-G2) Efficiency=87%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 303lm@250mA CCT=7027K P=2.2W I=250mA



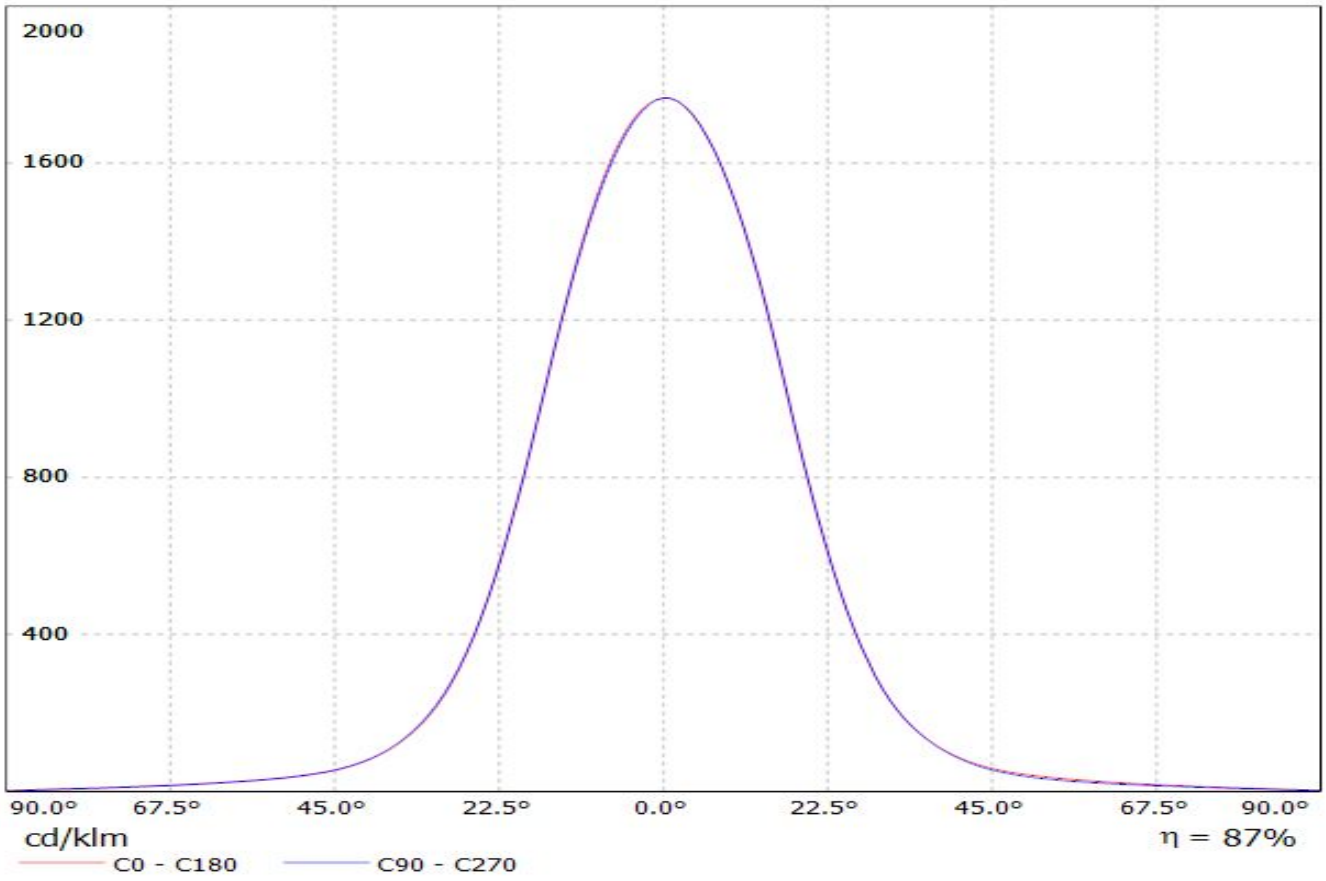
Luminaire: LEDil Oy C13235_SATU-W_(LH351Z)
Lamps: 1 x Samsung LH351Z (234.33lm @ 250mA) CCT=6500K P=2.2W I=250mA



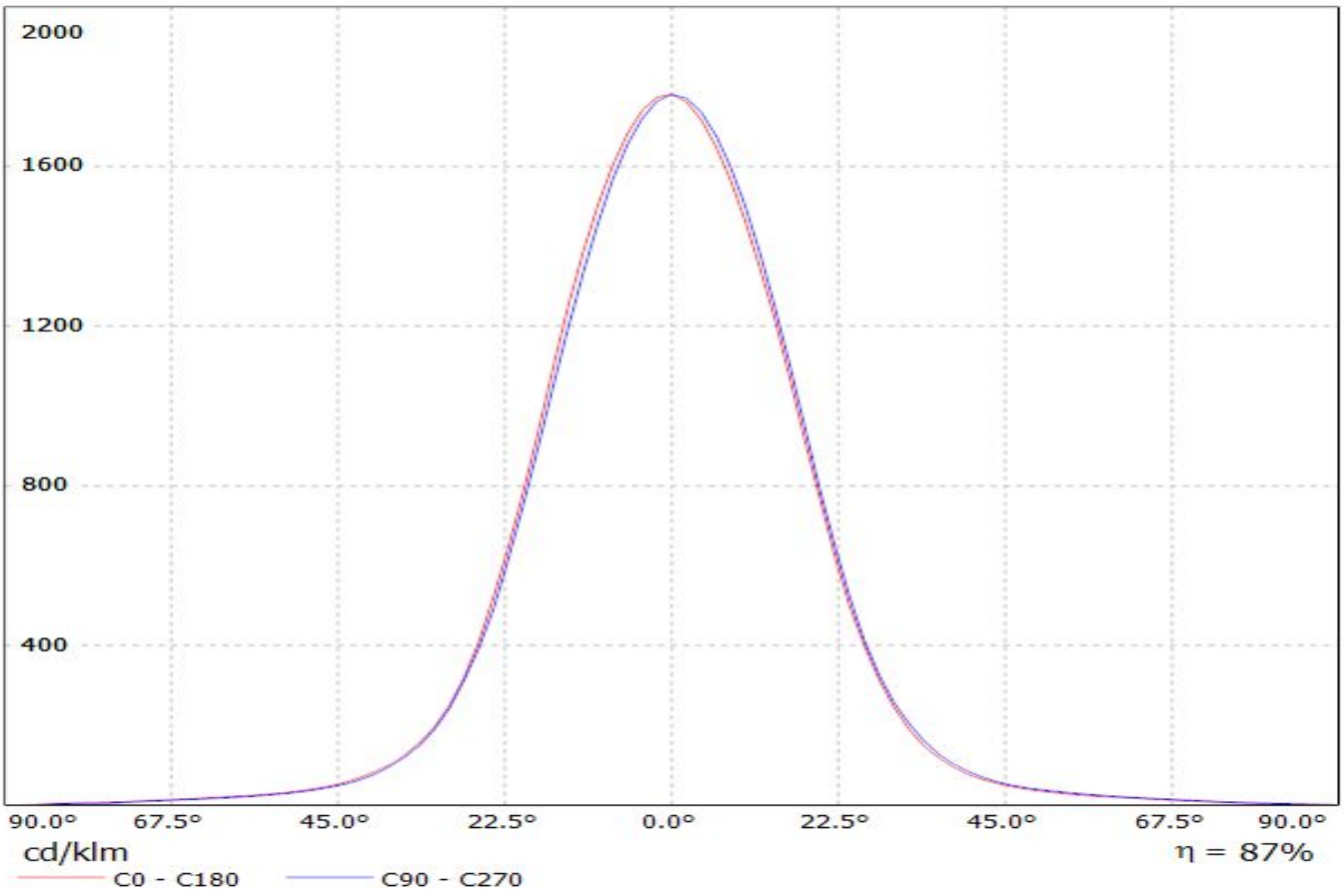
Luminaire: Ledil Oy C13235_SATU-W (Osram Square EC 273lm @ 250mA) Efficiency=85%
Lamps: 1 x Osram Square EC (LCW CQAR.EC-MQMS-SL7N-35) 273lm @ 250mA CCT=3955K P=2,25W I=250mA



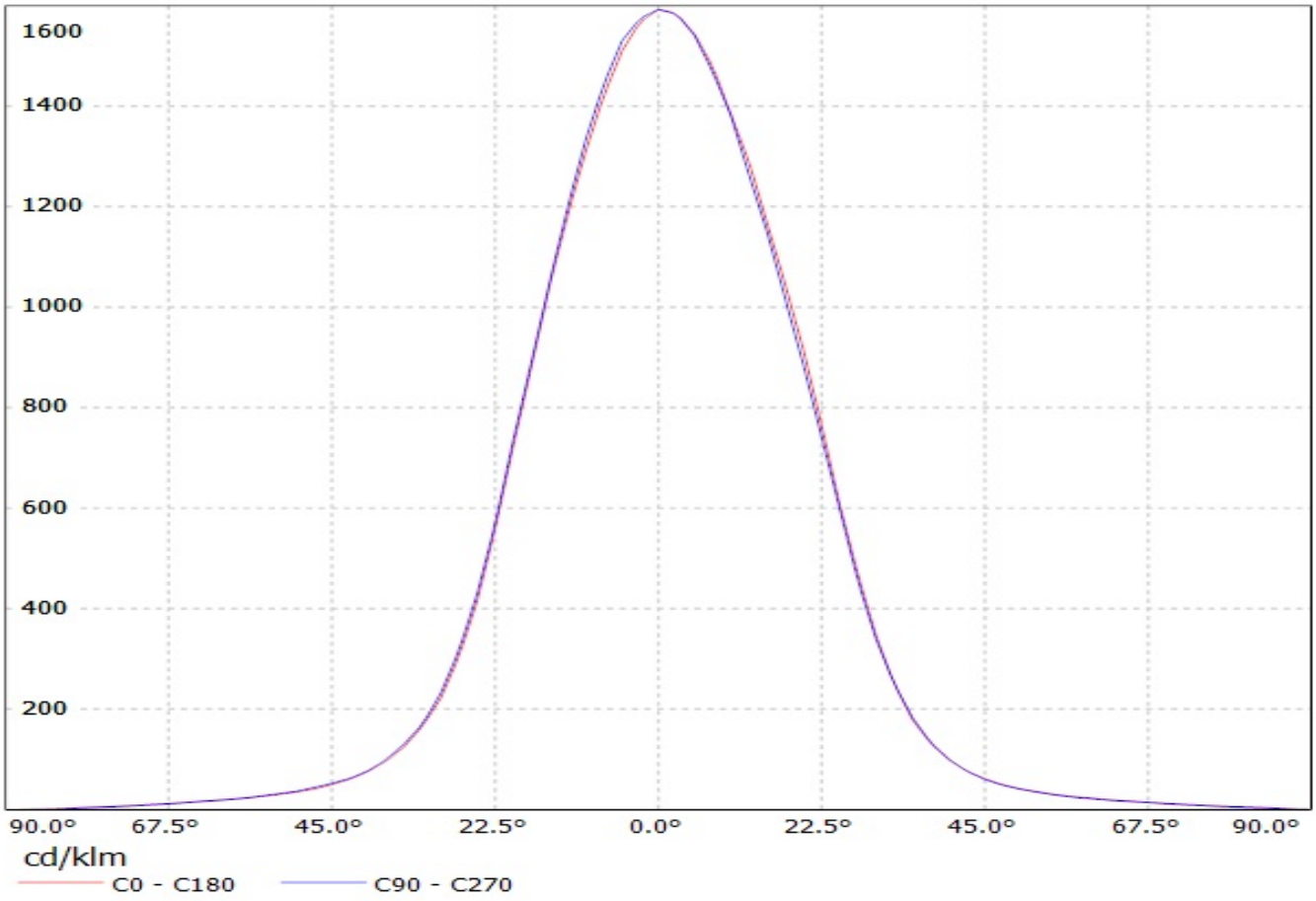
Luminaire: LEDiL Oy C13235_SATU-W_(LUXEON_T) Eff.87%
Lamps: 1 x LUXEON_T (214lm@250mA)



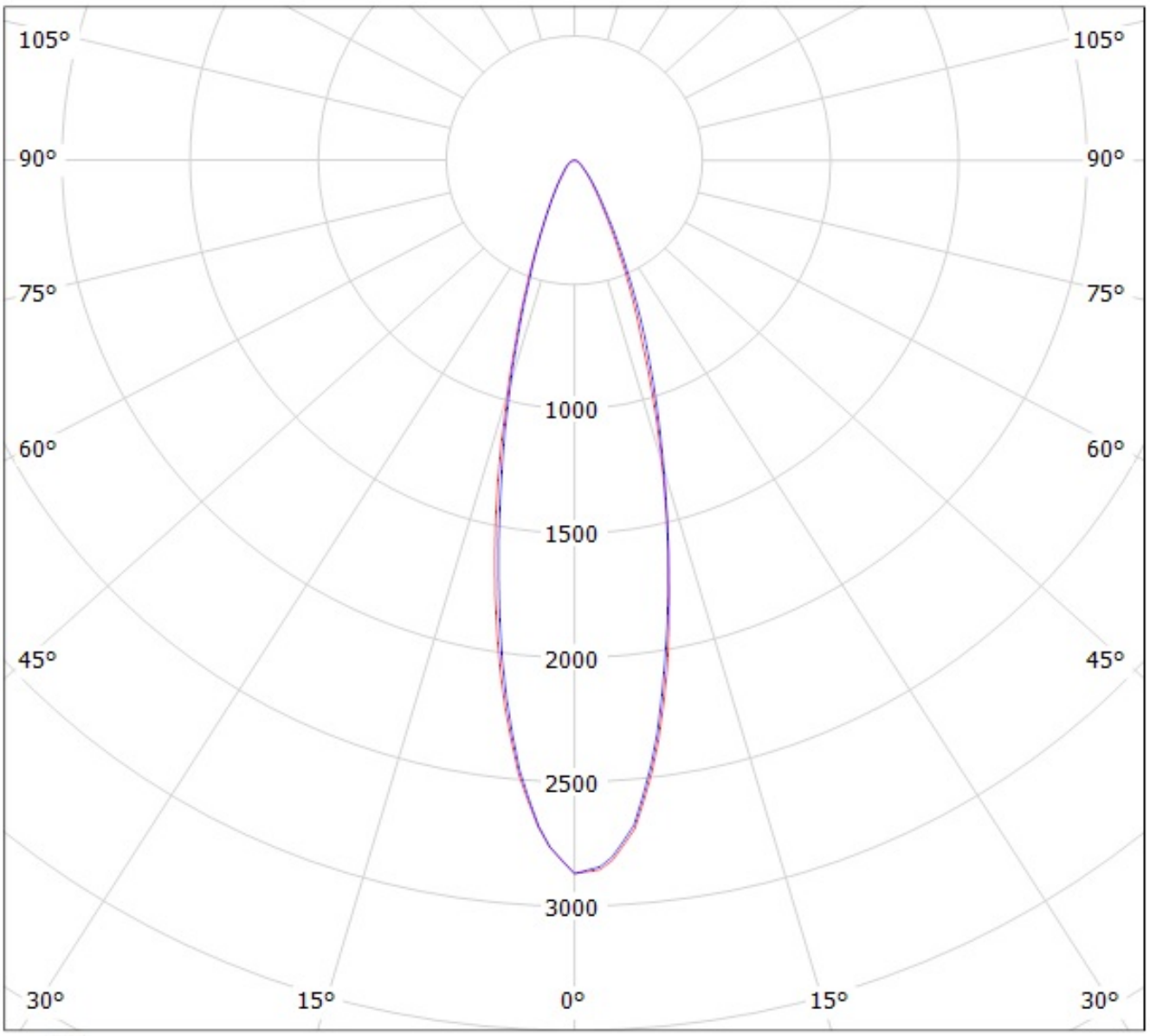
Luminaire: Ledil Oy C13235_SATU-W_(Luxeon TX) Efficiency=86%
Lamps: 1 x Luxeon TX 250lm @ 250mA CCT= P=2.13W I=250mA



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



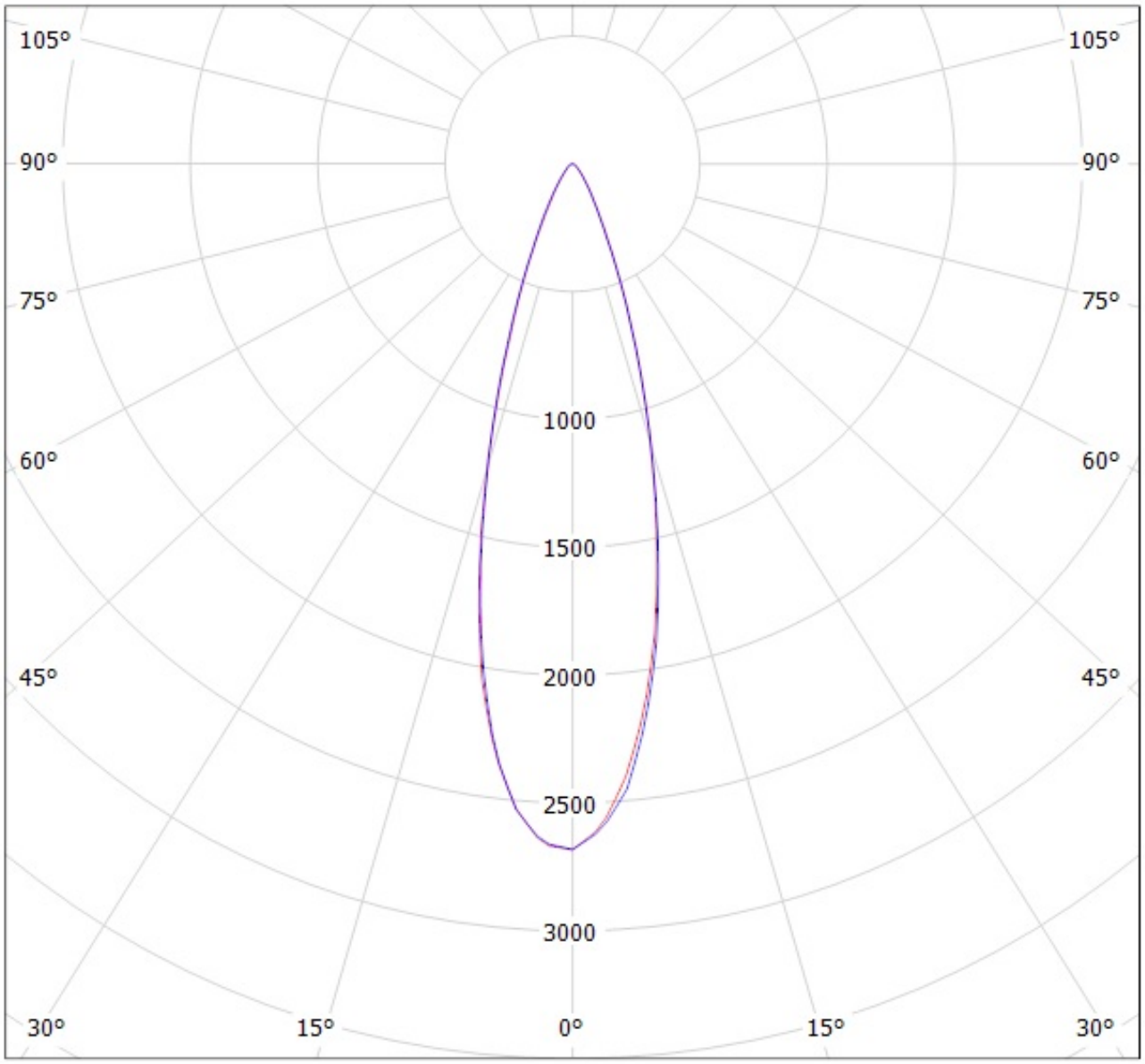
Luminaire: Ledil Oy C13235_SATU-W_(XP-E2) Efficiency=86%
Lamps: 1 x CREE XP-E2 (XPEBWT-L1-0000-00CE7) 243lm@250mA CCT=3174K P=2.2W I=250mA



cd/klm

C0 - C180 C90 - C270

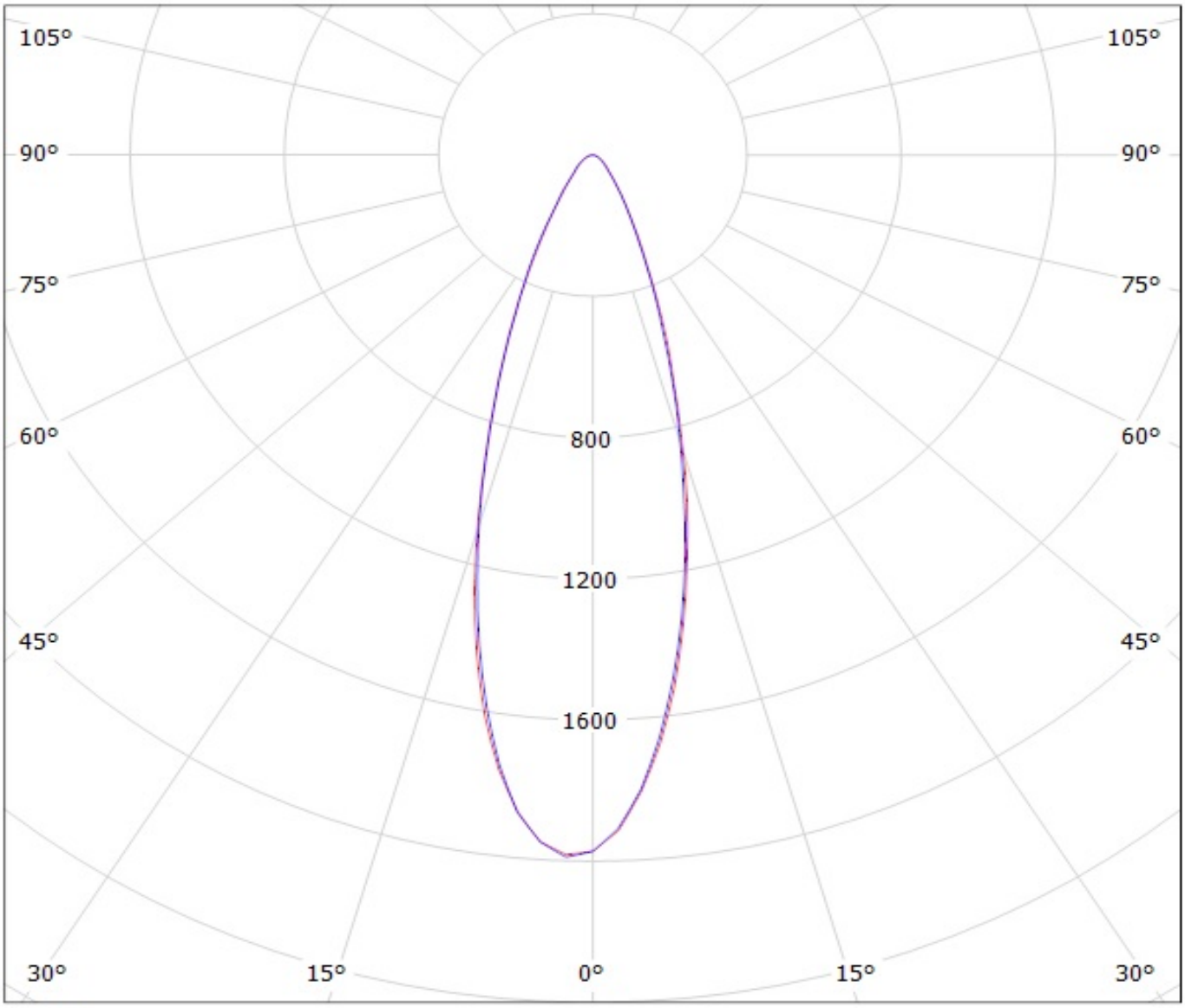
Luminaire: Ledil Oy C13235_SATU-W_(3535-2W) Efficiency=86%
Lamps: 1 x LG 3535 Ceramic 2W (LEMWA32) 233lm@250mA CCT=3700K P=2.2W I=250mA



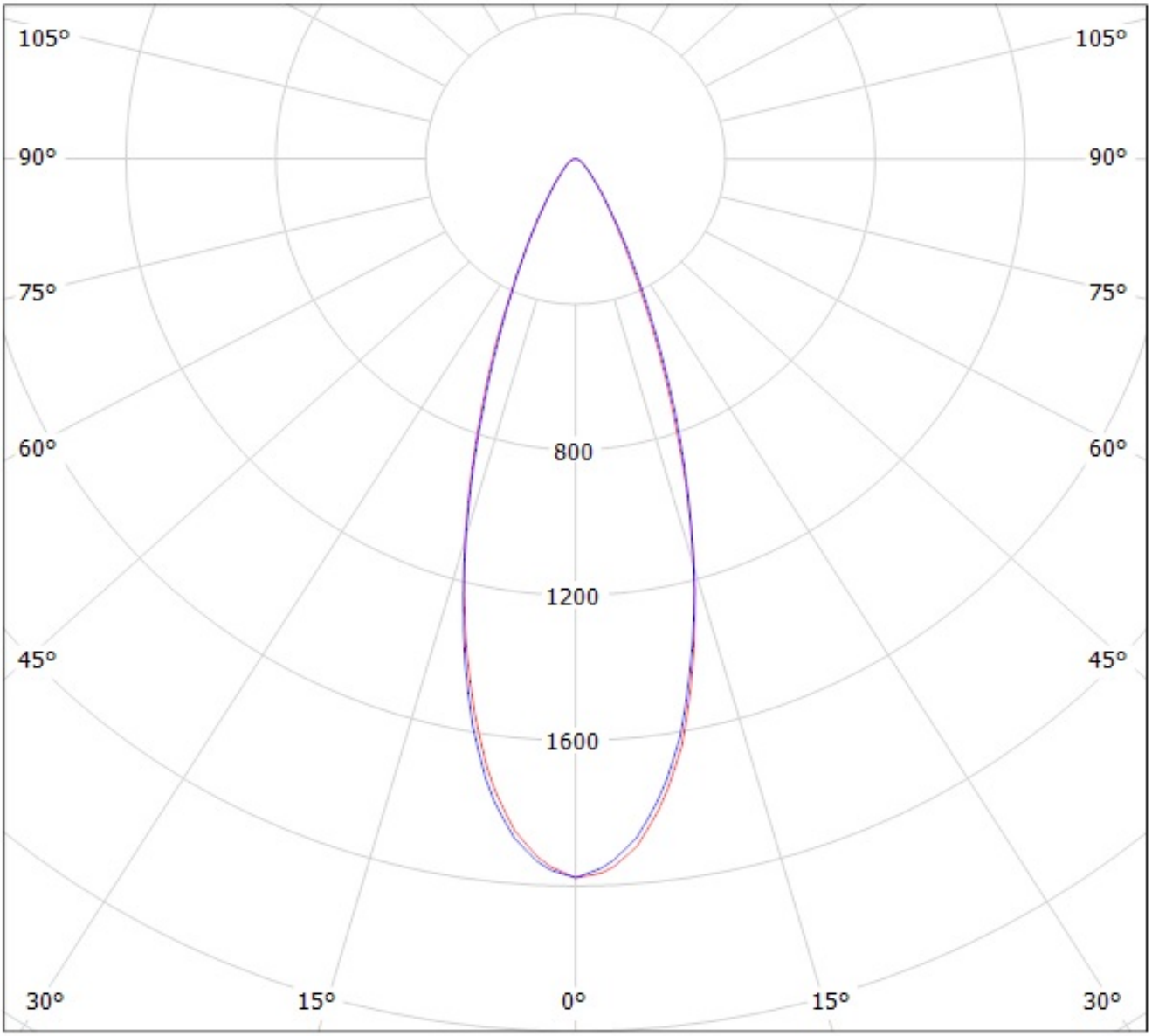
cd/klm

C0 - C180 C90 - C270

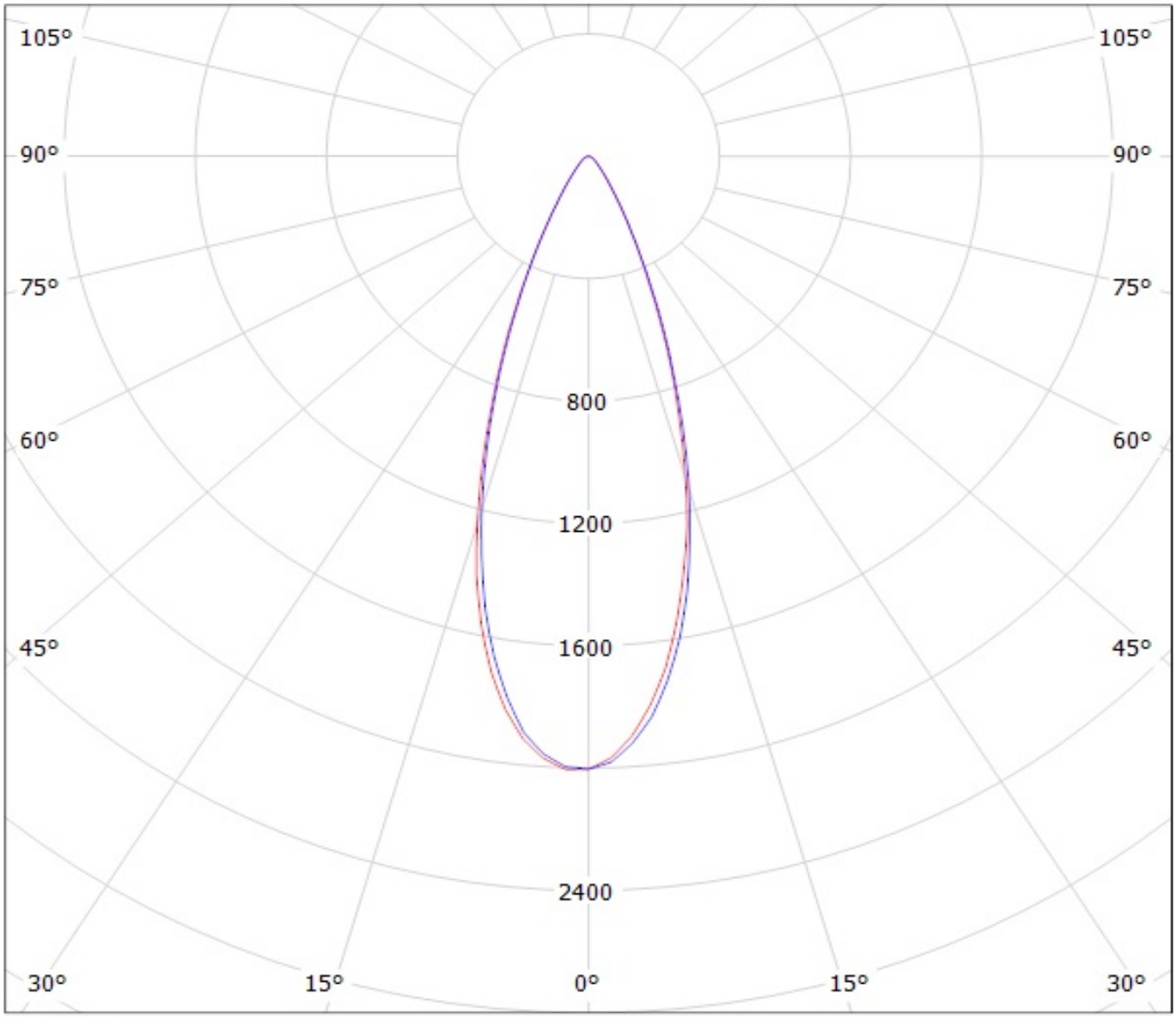
Luminaire: LEDil Oy C13235_SATU-W_(NF2x757A) Efficiency=80%
Lamps: 1 x Nichia NF2x757A (NF2W757ART) 197lm @ 100mA CCT=4700K P=1.9W I=100mA



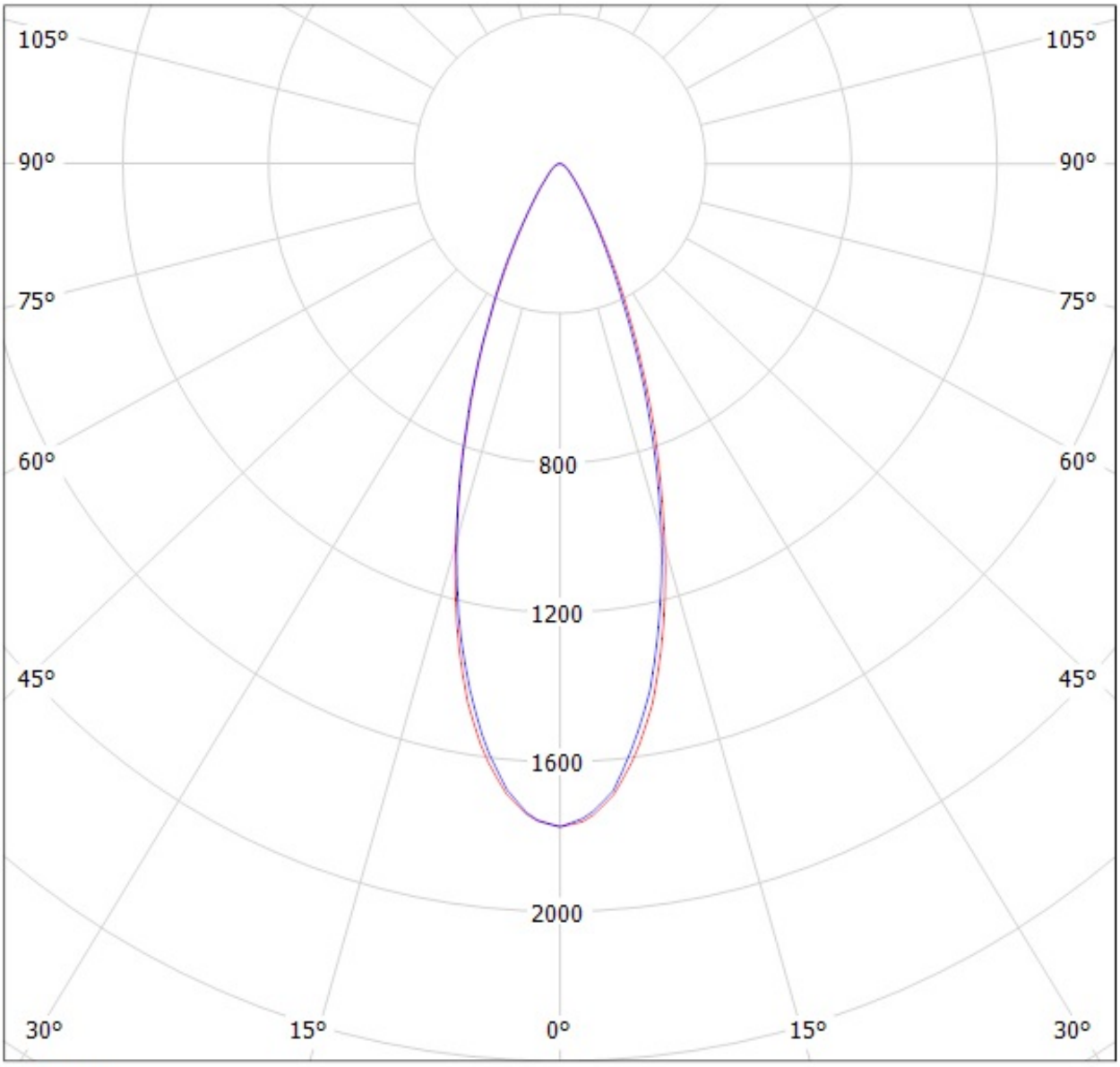
Luminaire: Ledil Oy C13235_SATU-W_(XP-G2) Efficiency=87%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 303lm@250mA CCT=7027K P=2.2W I=250mA



Luminaire: LEDil Oy C13235_SATU-W_(LH351Z)
Lamps: 1 x Samsung LH351Z (234.33lm @ 250mA) CCT=6500K P=2.2W I=250mA



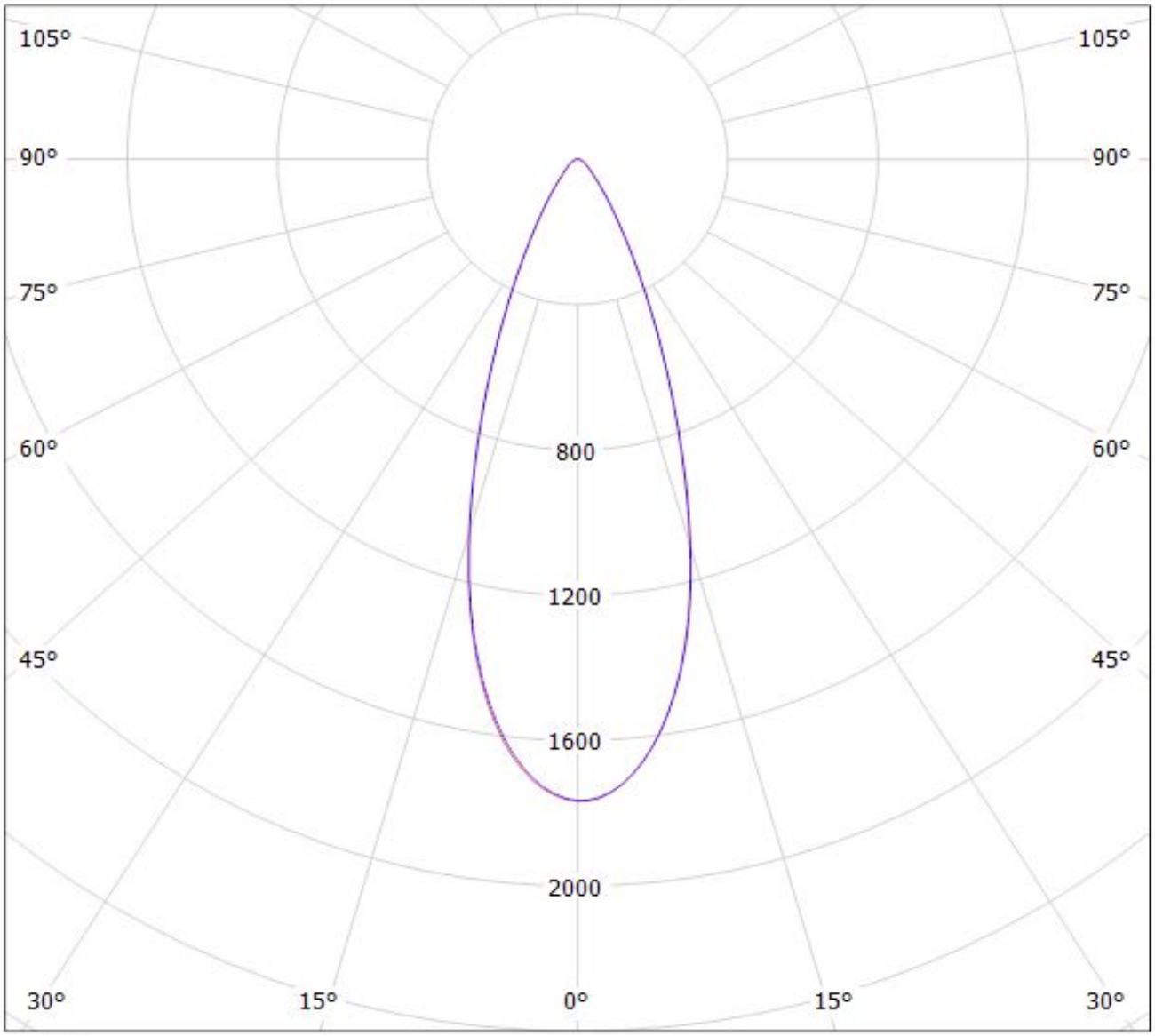
Luminaire: Ledil Oy C13235_SATU-W (Osram Square EC 273lm @ 250mA) Efficiency=85%
Lamps: 1 x Osram Square EC (LCW CQAR.EC-MQMS-SL7N-35) 273lm @ 250mA CCT=3955K P=2,25W I=250mA



cd/klm

C0 - C180 C90 - C270

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

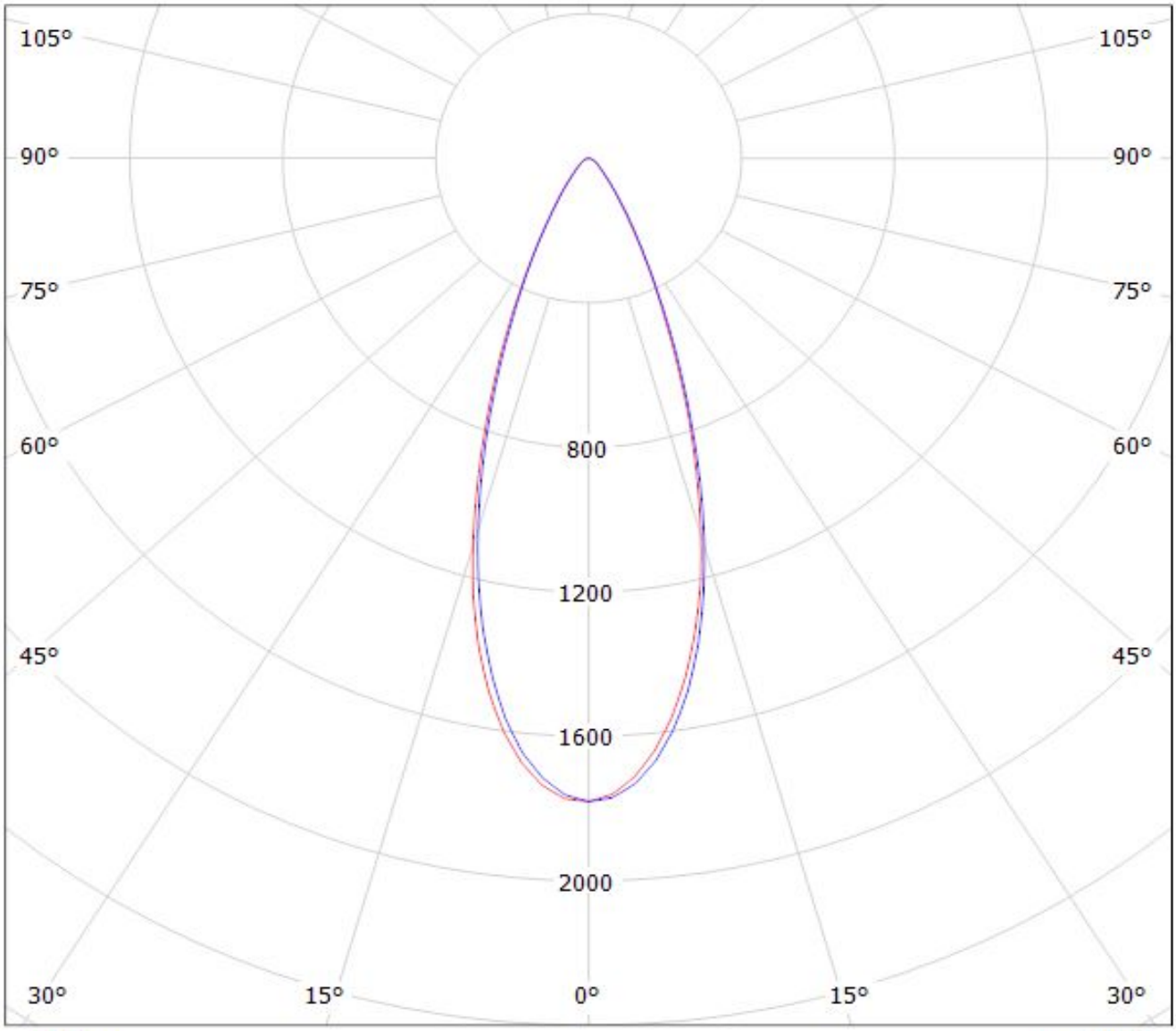


cd/klm

η = 87%

C0 - C180 C90 - C270

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

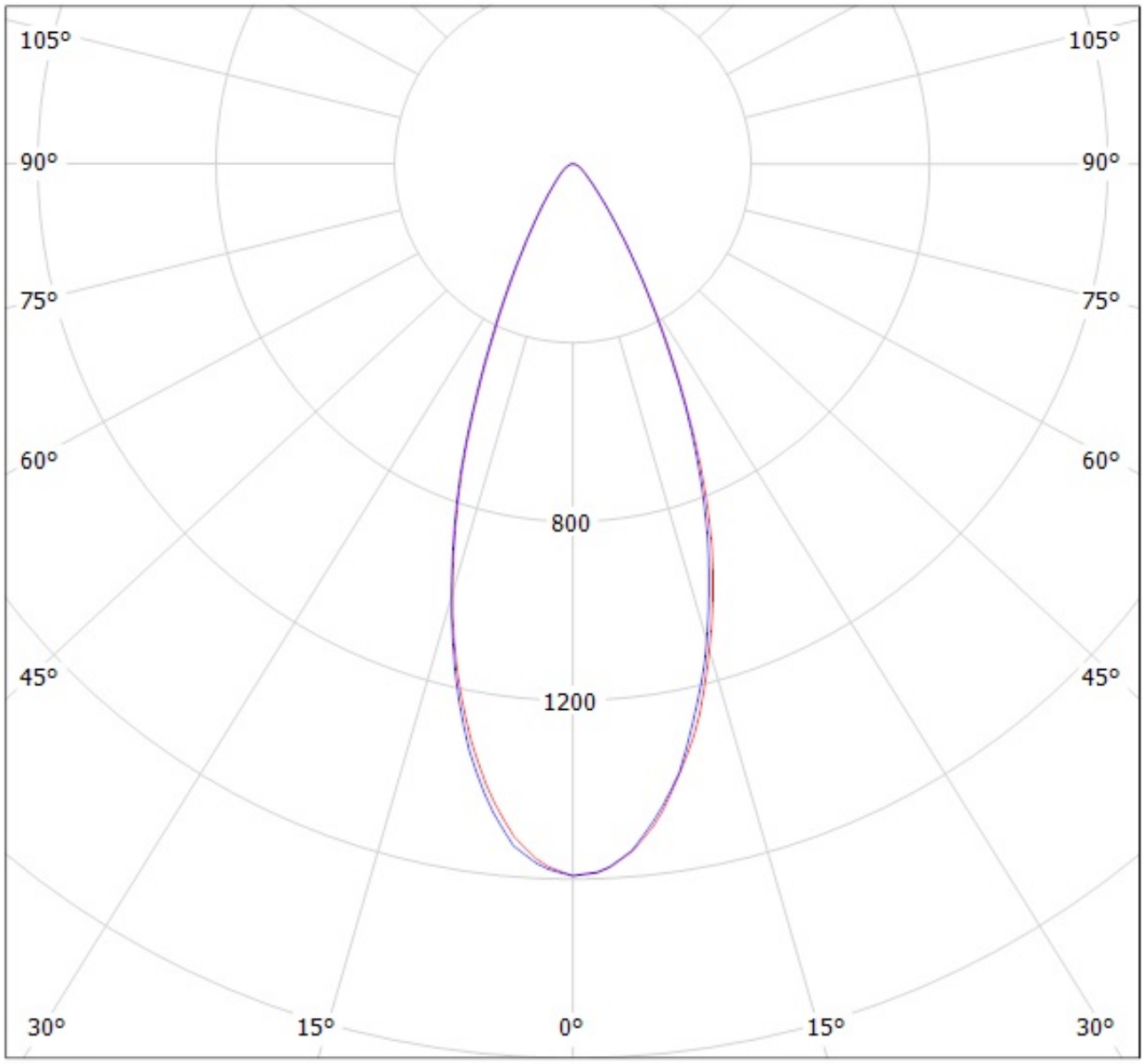


cd/klm

η = 87%

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



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.