PRODUCT DATASHEET
Lena series
last update 19/1/2015

DETAILS

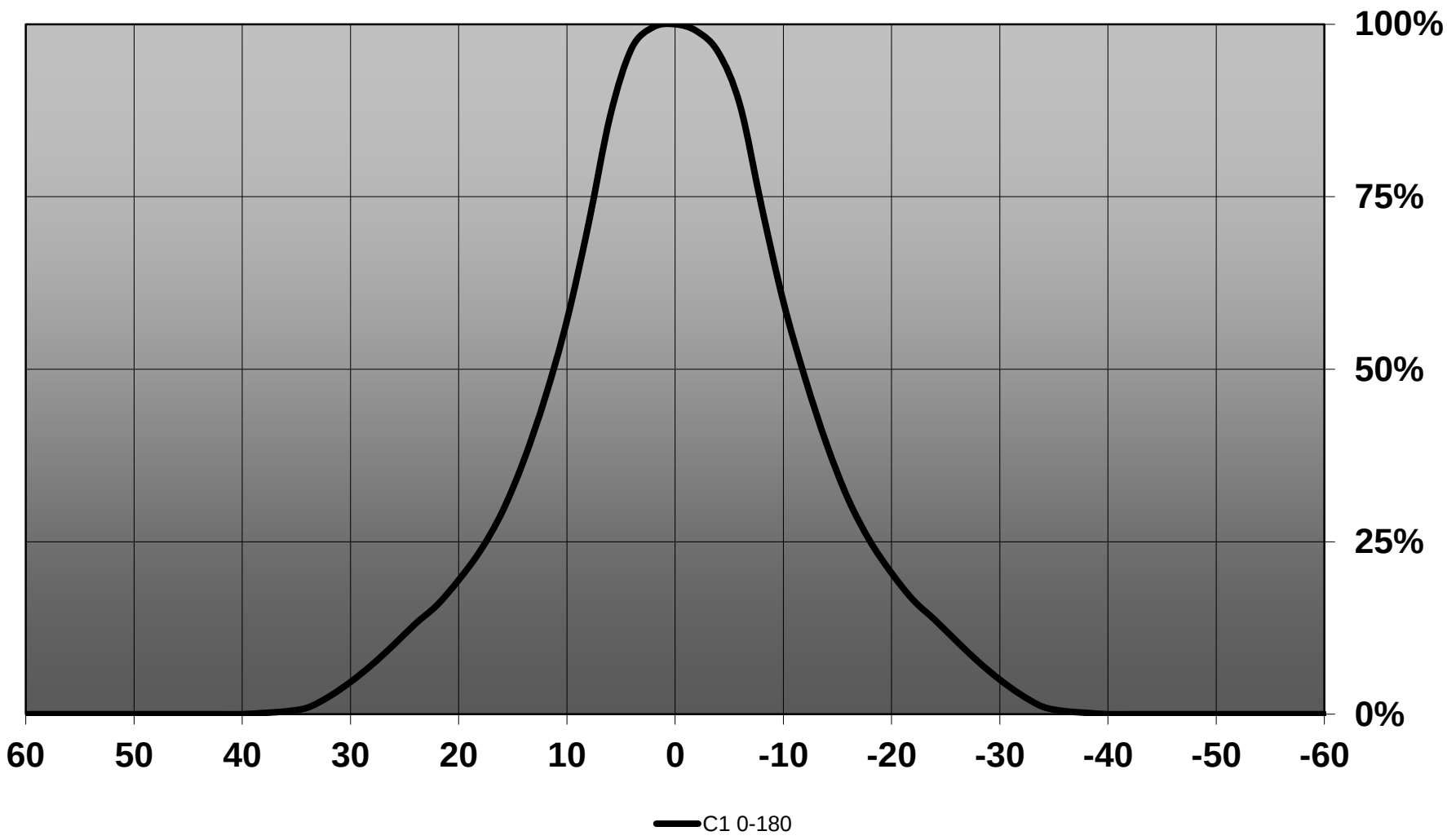
Product Number	CN13649_LENA-SS
Family	Lena
Type	RefPack
Color	metal
Diameter	111 mm
Height	87,6 mm
Style	round
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Comliant	Yes
Date Updated	19/01/2015

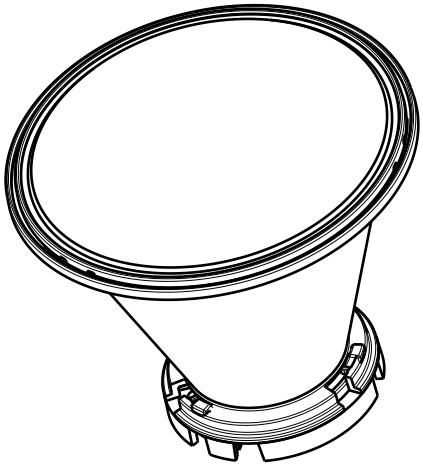
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
CLL04x/CLU04x	22 deg	Smooth spo...	82 %	3.850	-
CLU730/731	13 deg	Smooth spo...	78 %	7.100	-
LUXEON CoB 1216	21 deg	Smooth spo...	87 %	4.250	LEDiL: LEDiL
CXM-22	23 deg	Smooth spo...	81 %	3.800	LEDiL: LEDiL
COB D Series LES 22 mm	22 deg	Smooth spo...	87 %	4.200	-
ZC25/40	21 deg	Smooth spo...	80 %	3.820	-

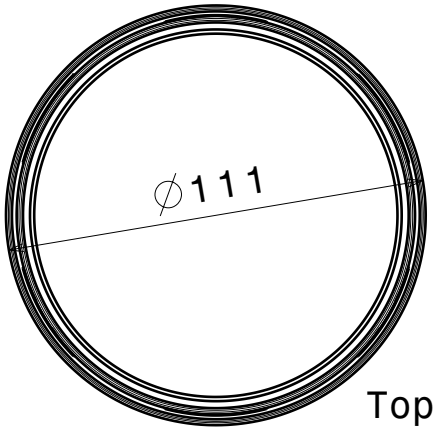
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

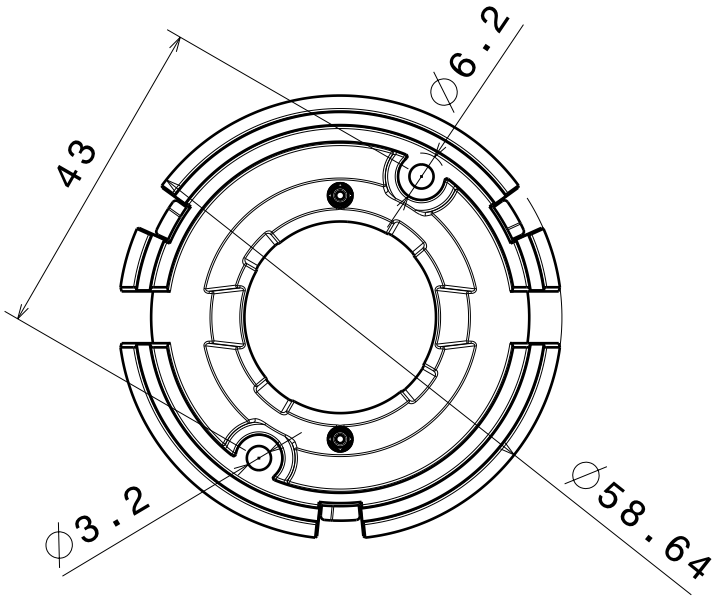

Relative intensity of CN13649_LENA-SS_(CXM-22)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
C1 0-180



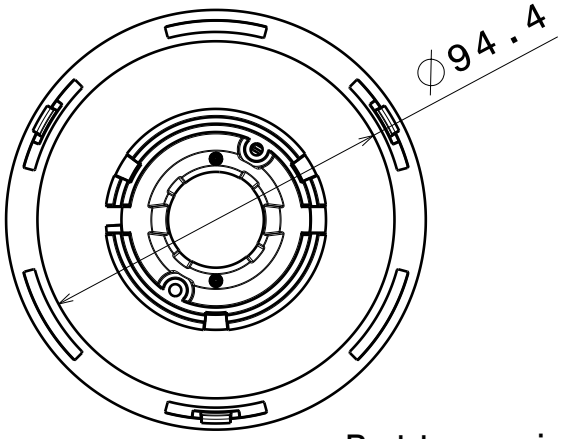
Isometric view



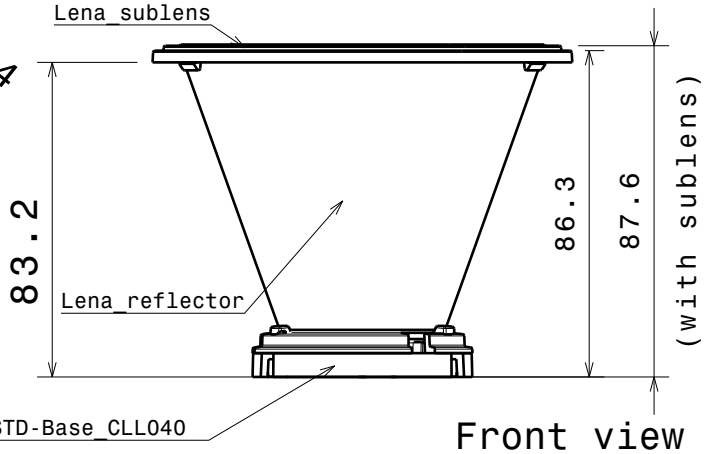
Top view



Base part
Scale: 1:1



Bottom view



Front view

Material:

Sublens
-PMMA

Reflector:
-PC
-Metal coating and clear lacquer

Holder base:
-PC
-Color: white

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:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

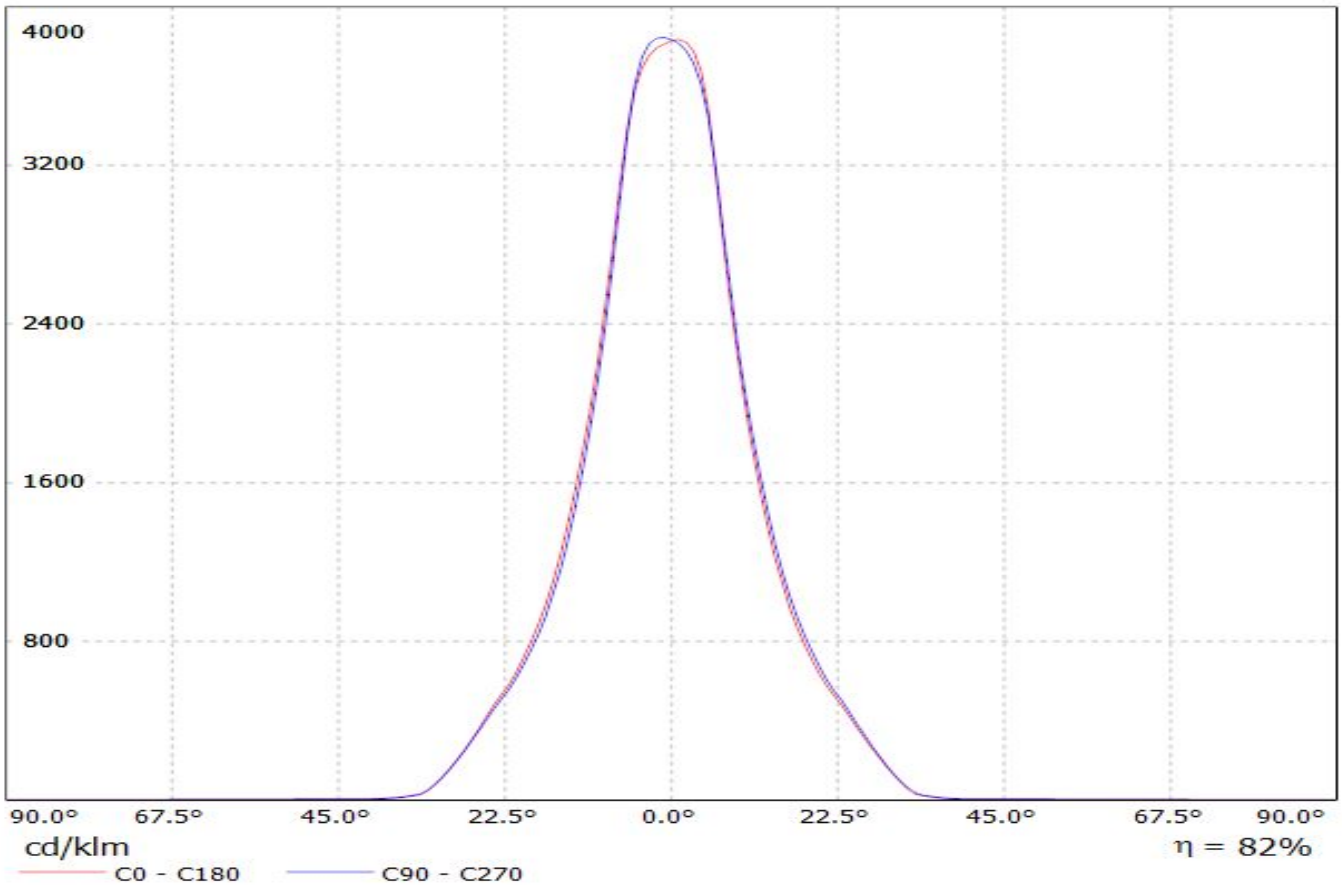
DRAWING TITLE

LENA-CLL040 assembly datasheet

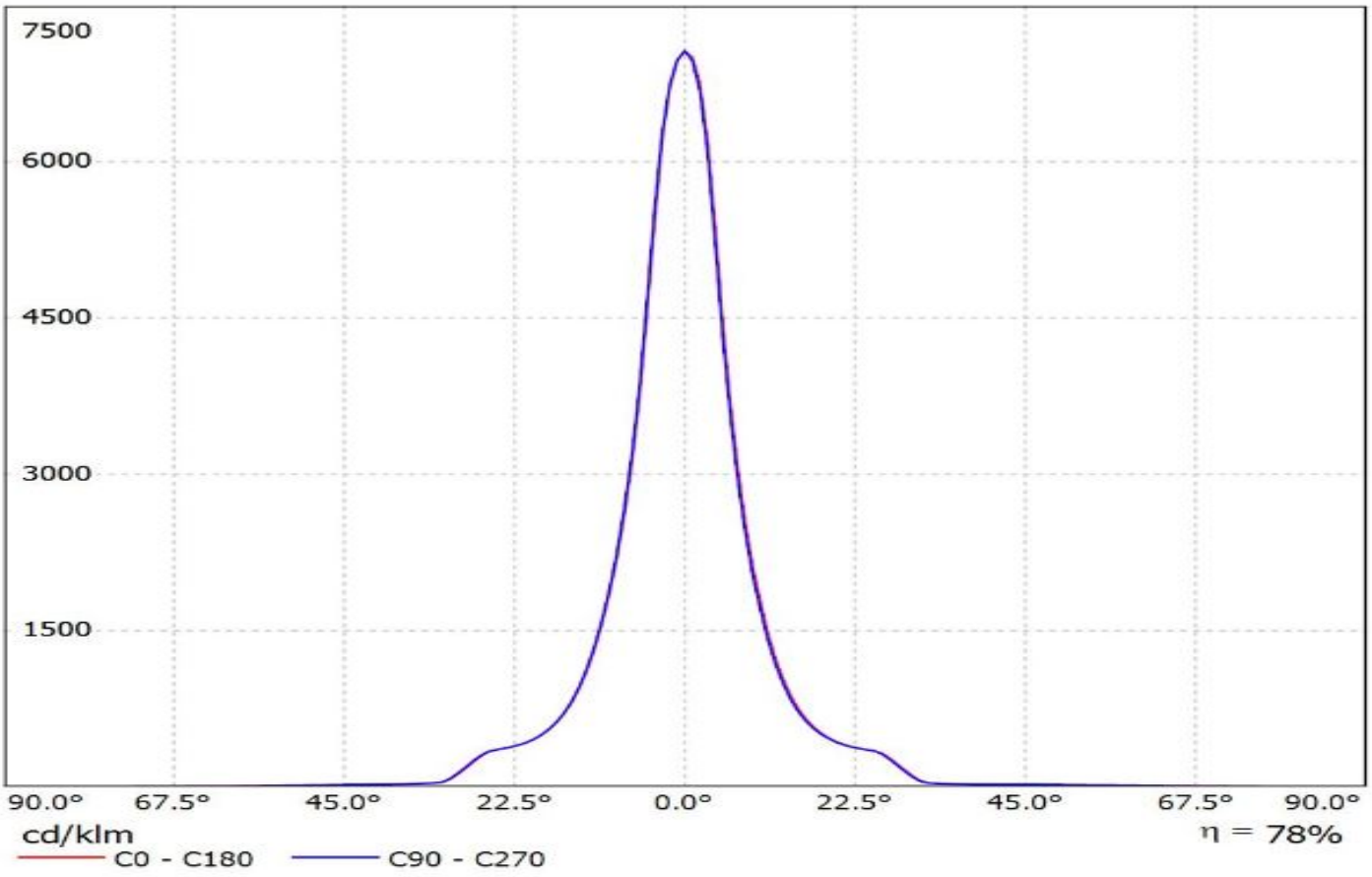
SIZE	PART NUMBER
A4	-

SCALE	WEIGHT	SHEET
1:1	-	1/1

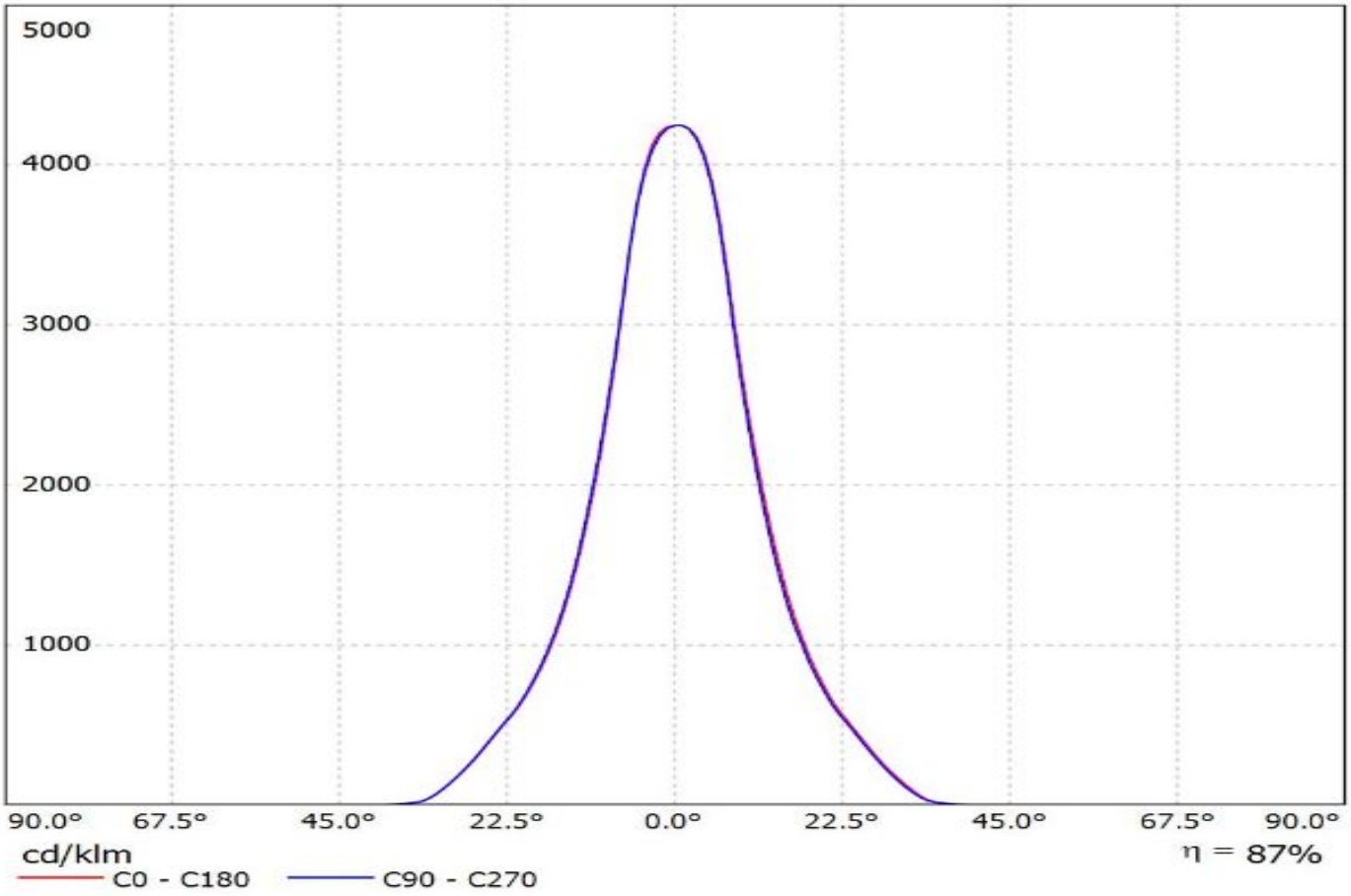
Luminaire: LEDiL Oy CN13649_LENA-SS_(CLL040) Eff.82.4%
Lamps: 1 x CITIZEN_CLL040_629.691lm@250mA_P=7.98885W_I=249.8mA



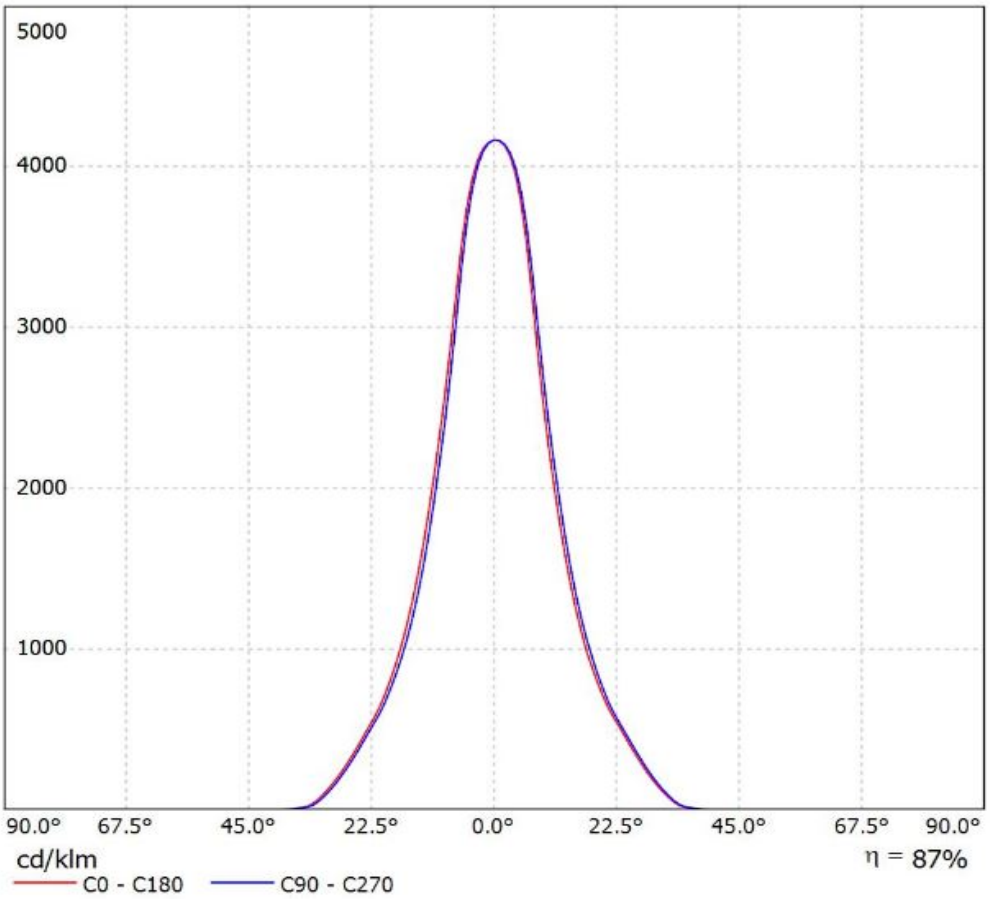
Luminaire: Ledil CN13649_LENA-SS_(CITIZEN_CLU730)
Lamps: 1 x CITIZEN_CLU730_(C12692_LENA-STD-BASE-CLL040)
_783.884lm@250mA_P=8.5W_I=0.25A



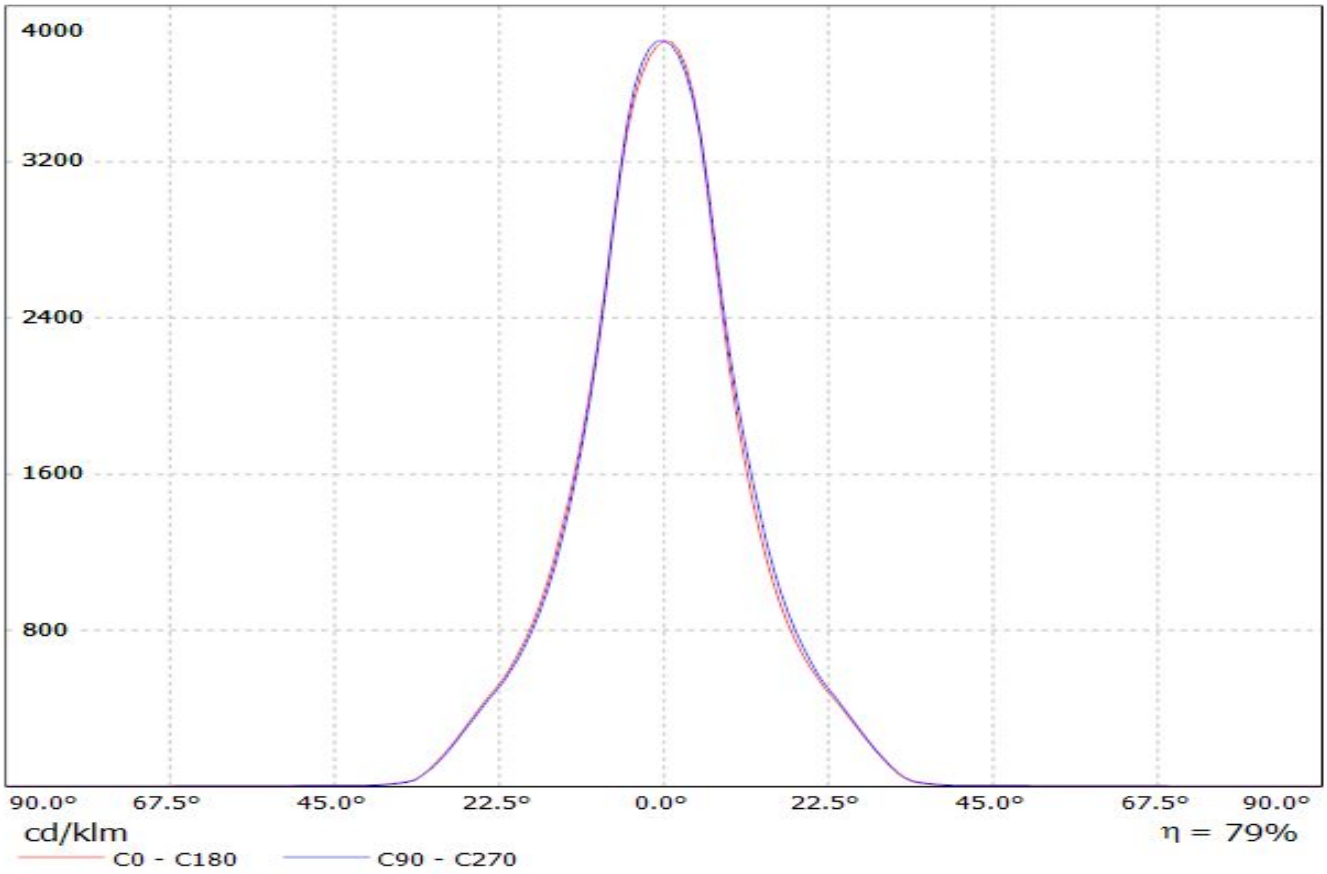
Luminaire: Ledil CN13649_LENA-SS_(CoB_1216)
Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1399.13lm@250mA_P=8.0015W_I=0.25A



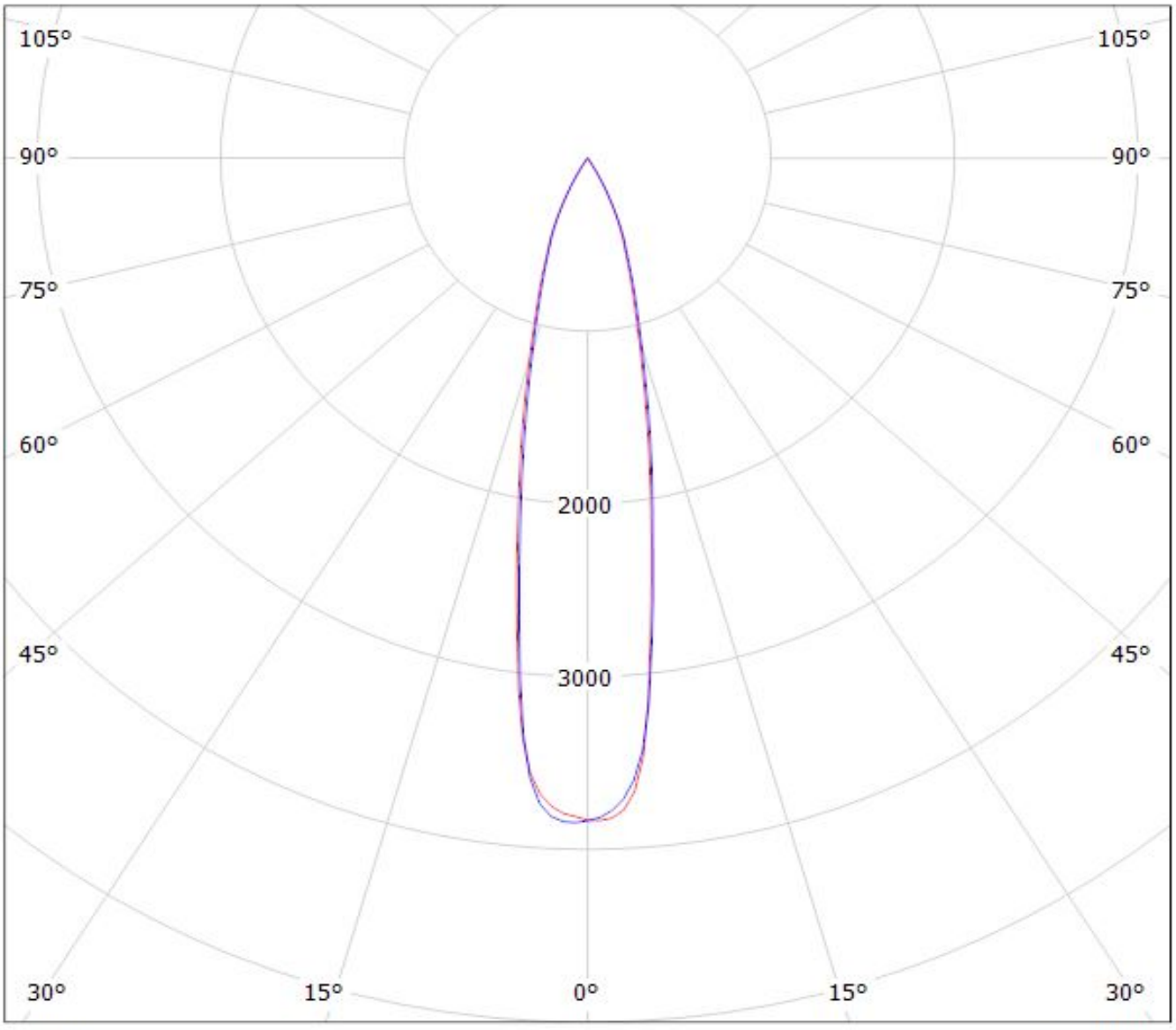
Luminaire: Ledil CN13649_LENA-SS_(COB_D_LES_22mm)
Lamps: 1 x Samsung_COB_D_LES_22mm_(SPHWHAHDNK25YZT3D1)+C12692_1511.79lm@250mA_CCT=4000K_P=8.0675W_I=0.250A



Luminaire: LEDiL Oy CN13649_LENA-SS_(SEOUL_ZC40) Eff.80%
Lamps: 1 x SEOUL_ZC40_1148.53lm@250mA_P=8.15172W_I=249.8mA



Luminaire: LEDiL Oy CN13649_LENA-SS_(CLL040) Eff.82.4%
Lamps: 1 x CITIZEN_CLL040_629.691lm@250mA_P=7.98885W_I=249.8mA

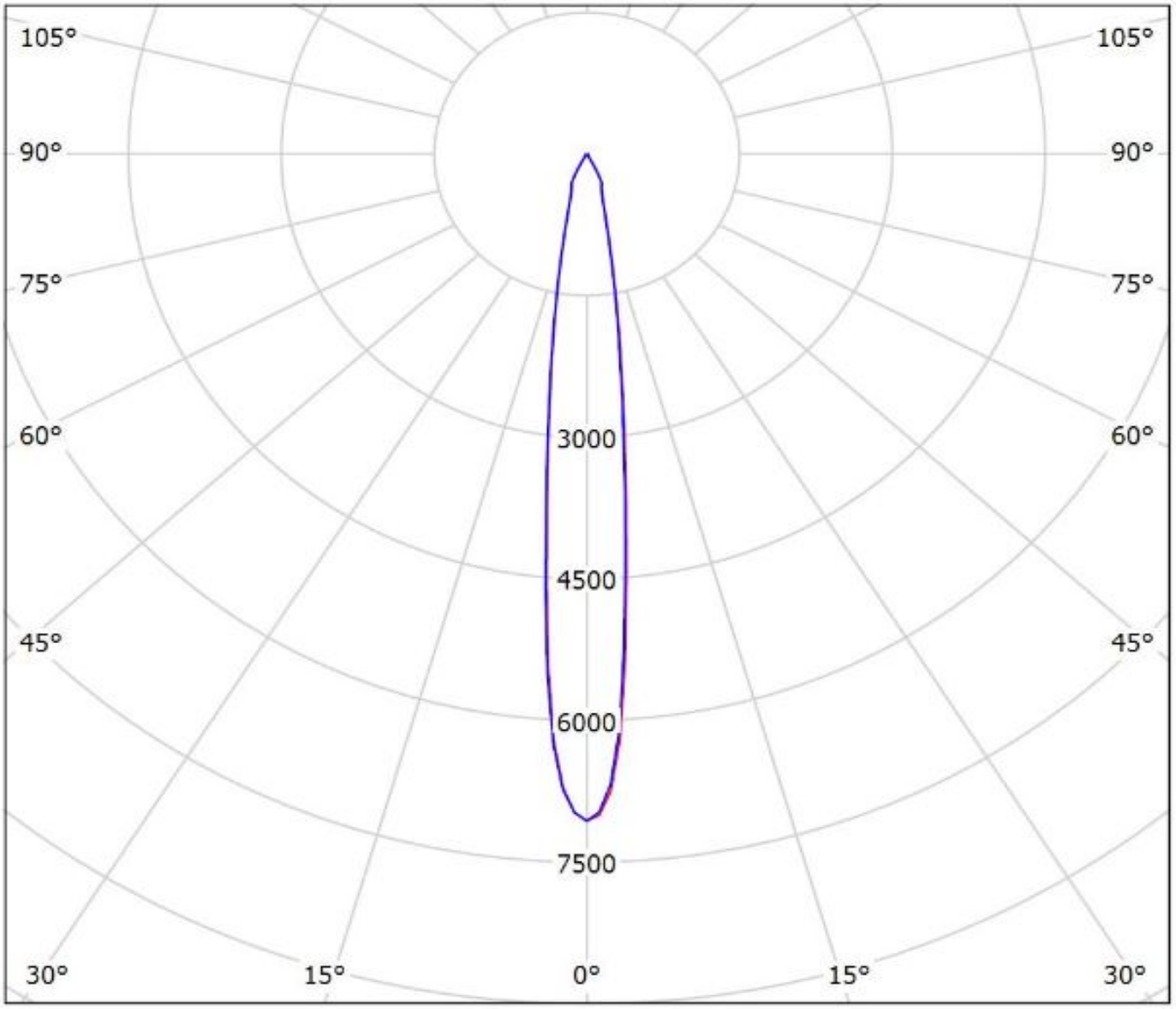


cd/klm

η = 82%

C0 - C180 C90 - C270

Luminaire: Ledil CN13649_LENA-SS_(CITIZEN_CLU730)
Lamps: 1 x CITIZEN_CLU730_(C12692_LENA-STD-BASE-CLL040)
_783.884lm@250mA_P=8.5W_I=0.25A

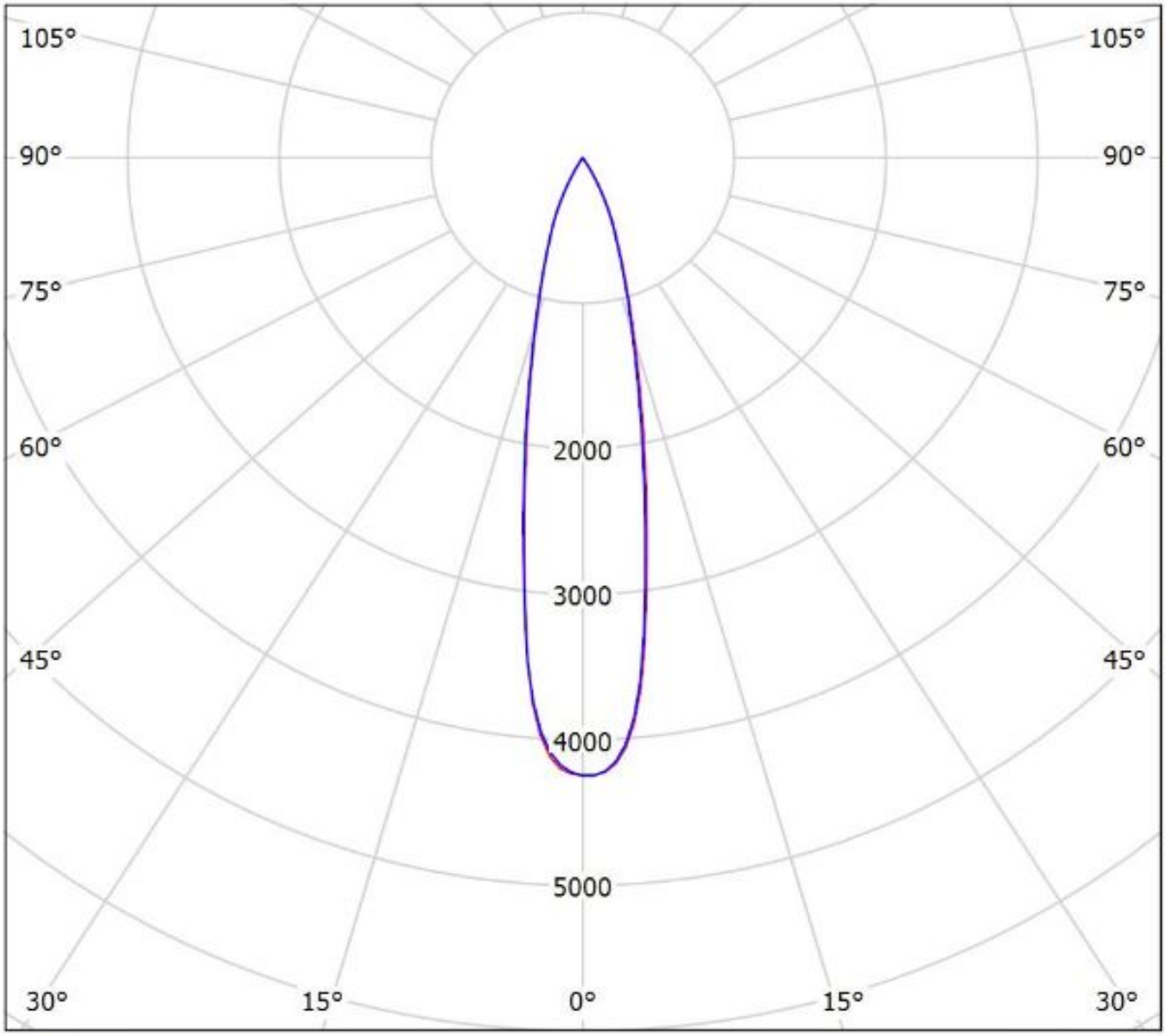


cd/klm

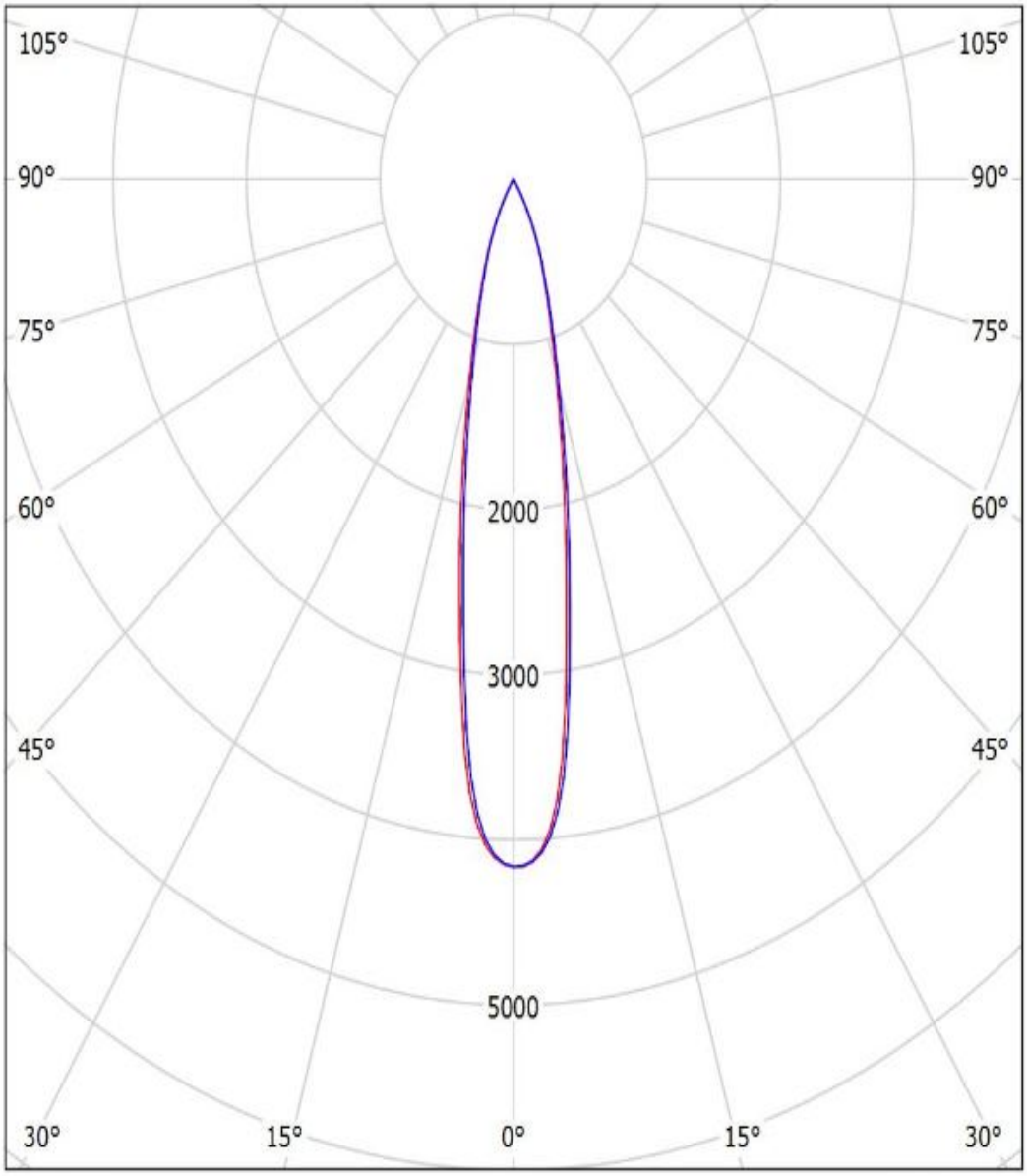
η = 78%

C0 - C180 C90 - C270

Luminaire: Ledil CN13649_LENA-SS_(CoB_1216)
Lamps: 1 x Luxeon_CoB_1216_(L2C2-40801216E2300)_1399.13lm@250mA_P=8.0015W_I=0.25A

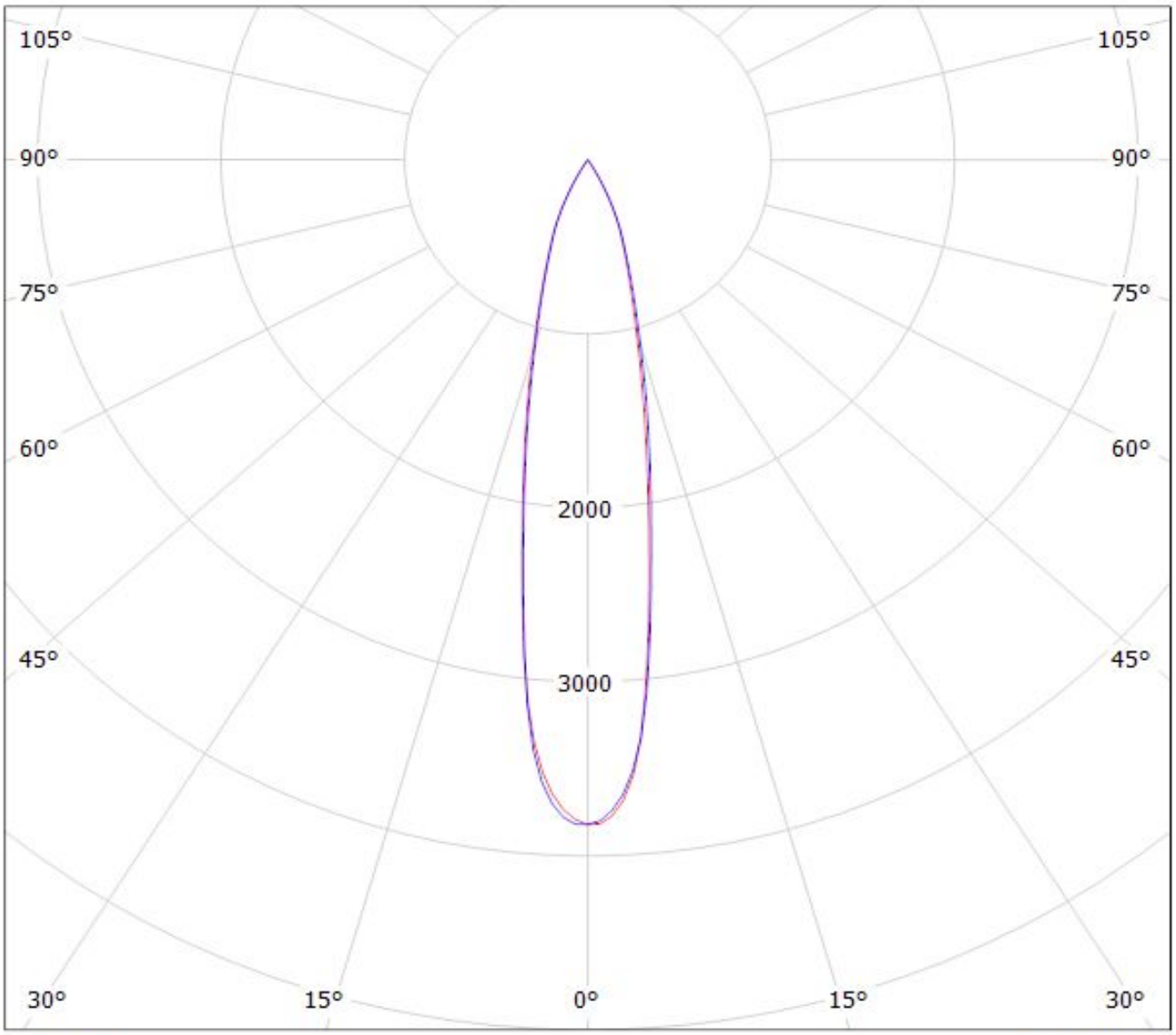


Luminaire: Ledil CN13649_LENA-SS_(COB_D_LES_22mm)
Lamps: 1 x Samsung_COB_D_LES_22mm_(SPHWHAHDNK25YZT3D1)+C12692_1511.79lm@250mA_CCT=4000K_P=8.0675W_I=0.250A



cd/klm
η = 87%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy CN13649_LENA-SS_(SEOUL_ZC40) Eff.80%
Lamps: 1 x SEOUL_ZC40_1148.53lm@250mA_P=8.15172W_I=249.8mA



cd/klm

η = 79%

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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.