



PRODUCT DATASHEET

Bertha I series

last update 10/3/2015

DETAILS

Product Number	CN13377_BERTHA1-TYPE2-S
Family	Bertha I
Type	RefPack
Color	metal
Diameter	82.4 x 139.6 mm
Height	57 mm
Style	rectang
Optic Material	PEI
Holder Material	PEI
Fastening	screw
Status	ready
ROHS Compliant	Yes
Date Updated	10/03/2015



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
VERO29	Asymmetric deg	Streetligh...	91 %	0.480	-
BXRA RS	Asym deg	Streetligh...	-	0.588	-

H G F E D C B A

4

3

2

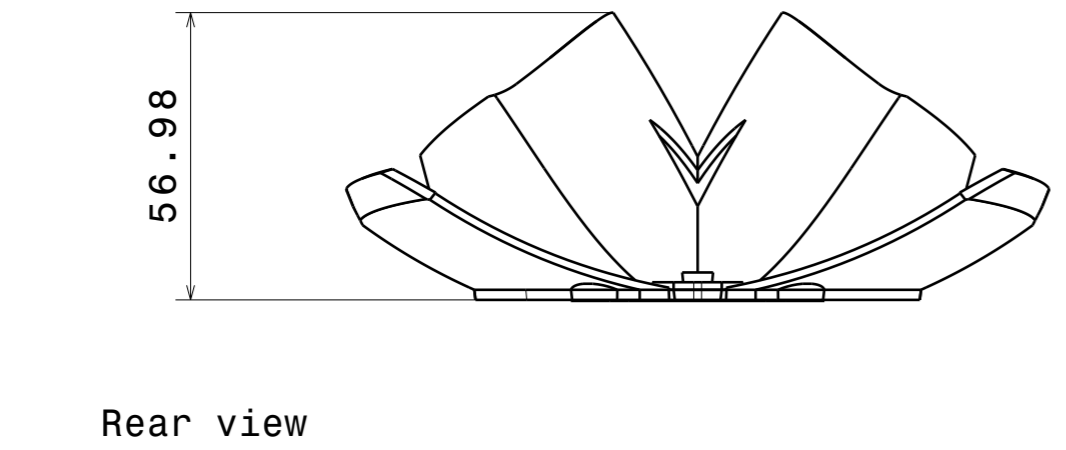
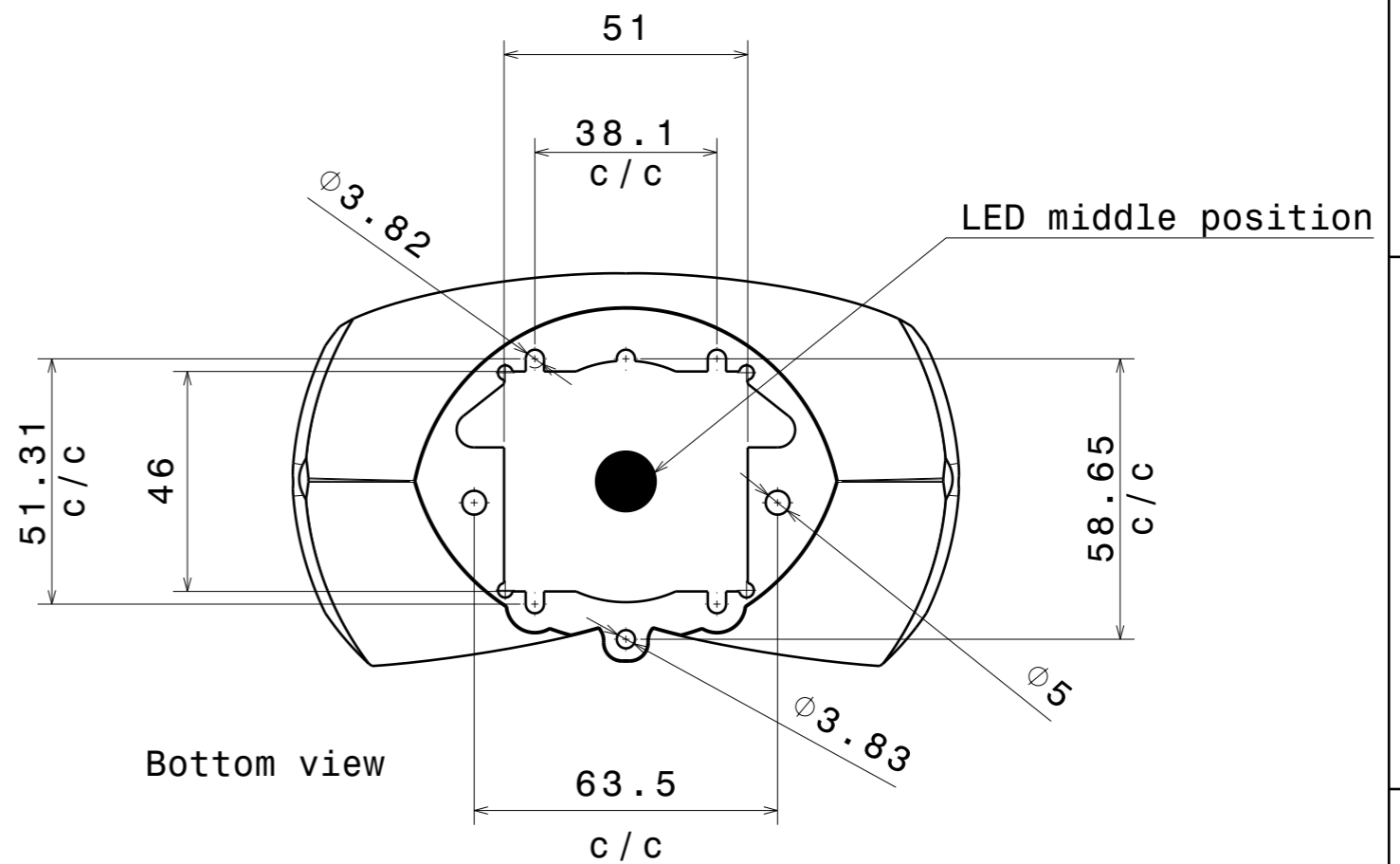
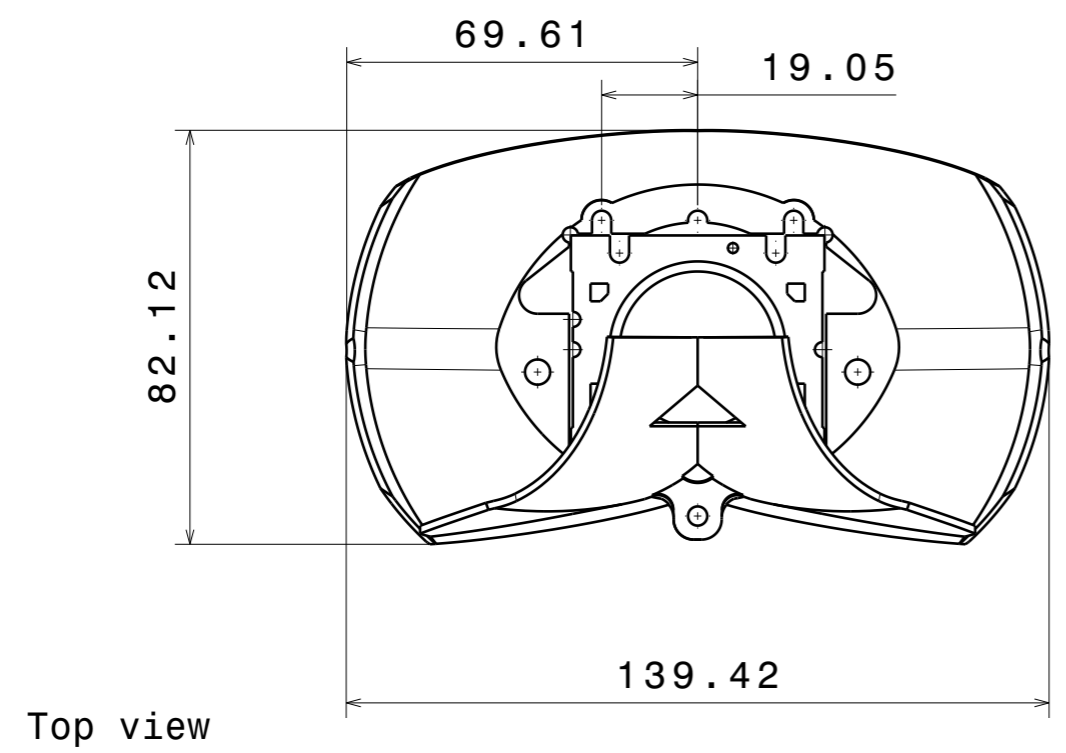
1

4

3

2

1



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13743	BERTHA1-TYPE2-S_BASE	PEI, SiO2	metal
2	C13744	BERTHA1-TYPE2-S_TOP	PEI, SiO2	metal

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 LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CN13377_BERTHA1-TYPE2-S

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 of LEDiL Oy. It may not be
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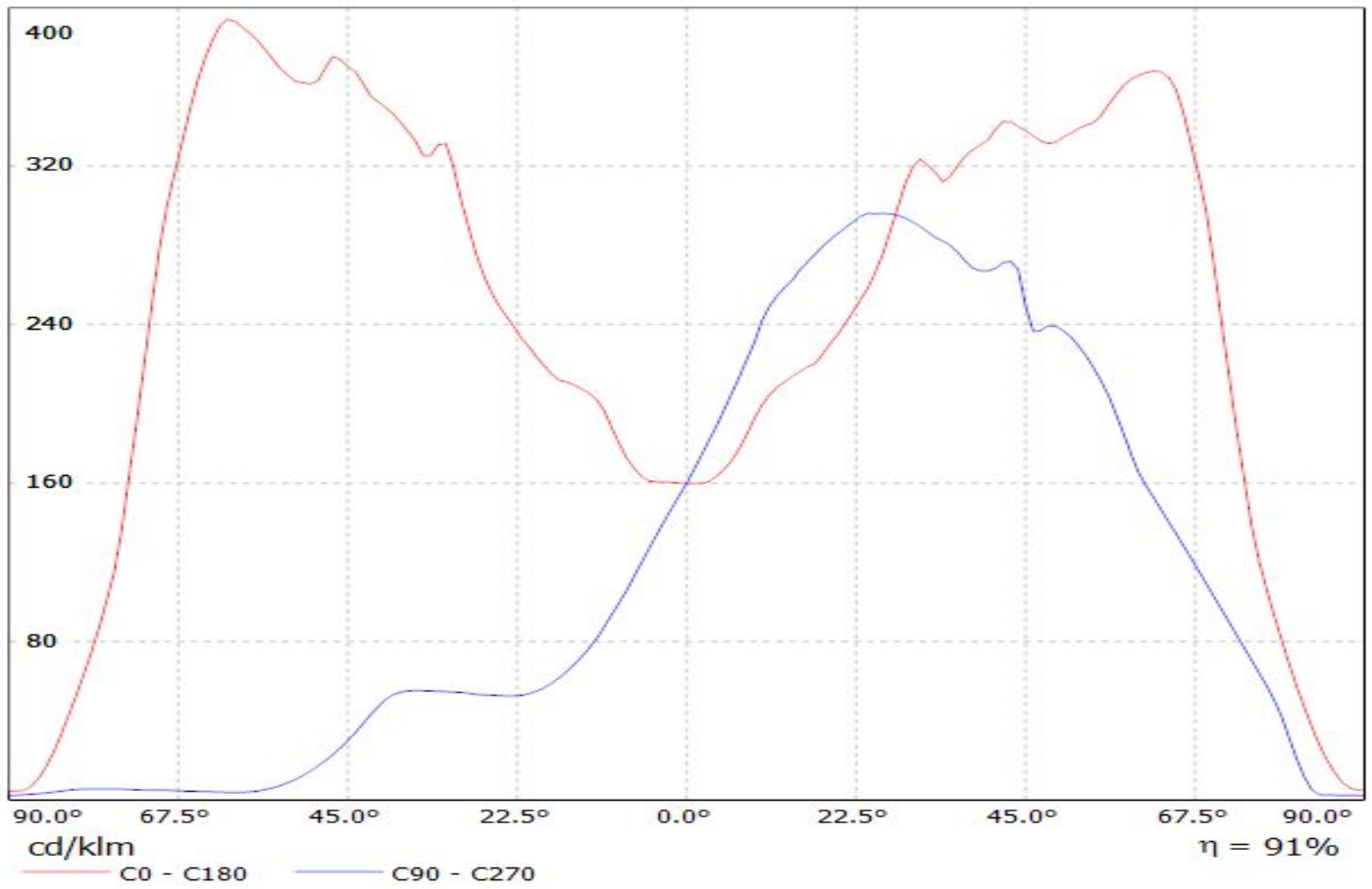
SIZE	PART NUMBER
A3	CN13377

SCALE	1:1	WEIGHT	28,8 g	SHEET	1/1
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H G B A

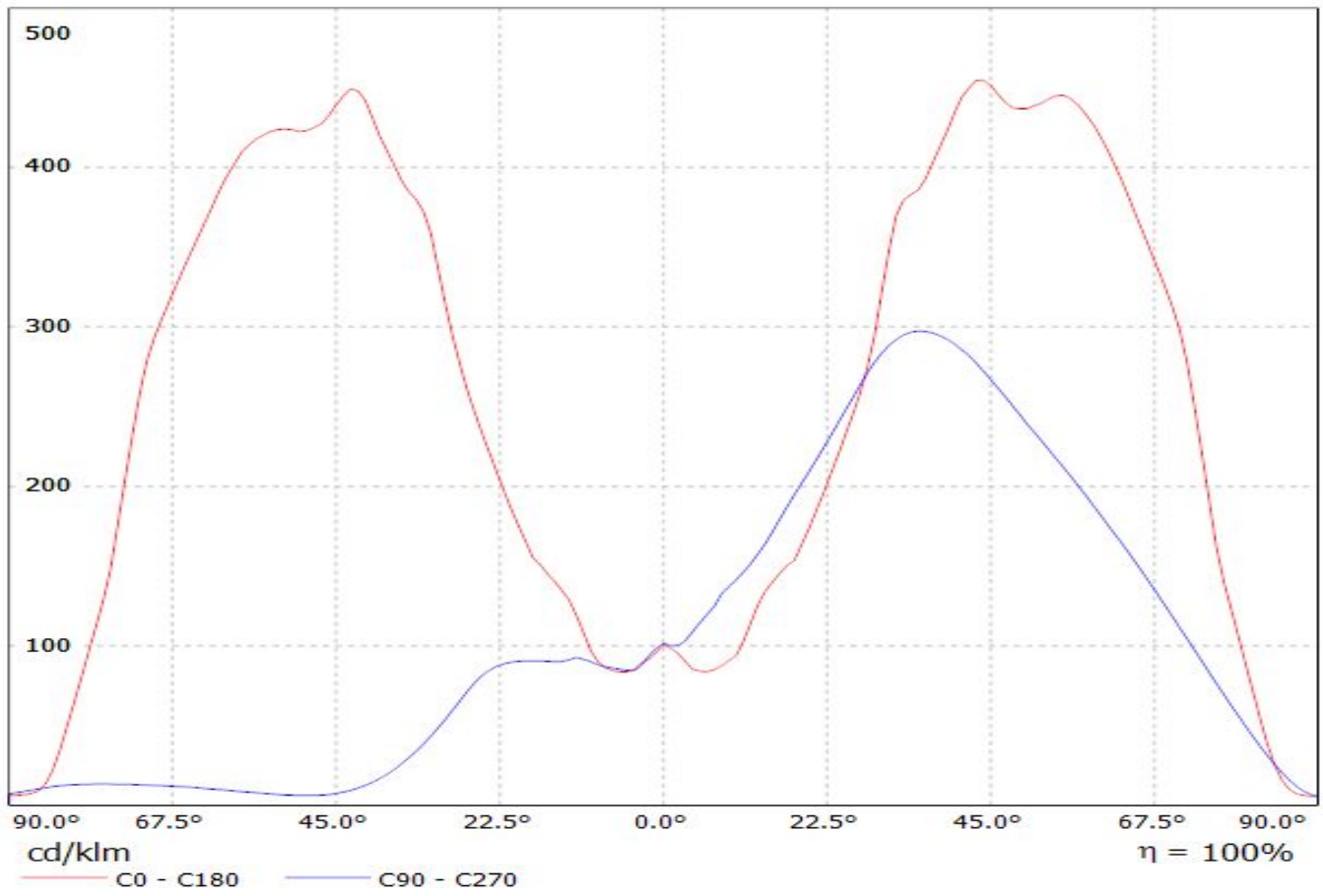
Luminaire: LEDiL Oy CN13377_BERTHA1-TYPE2-S_(VERO29)

Lamps: 1 x Bridgelux_VERO29_(BXRC-50C10K0-L-04)_1421.12lm@250mA_P=8.66706W_I=249.8mA



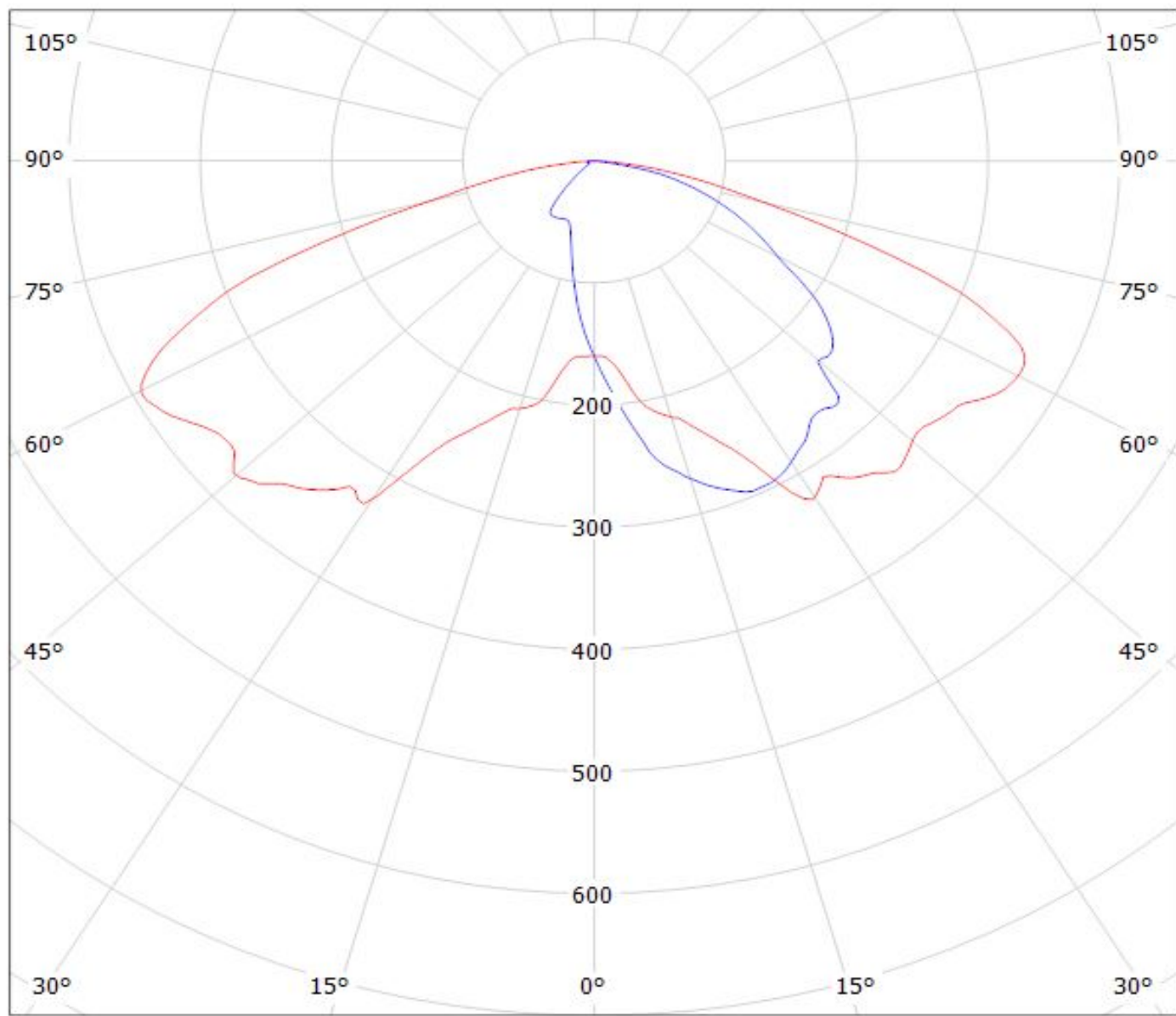
Luminaire: LEDiL Oy CN13377_BERTHA1-TYPE2-S_(BXRA-RS)

Lamps: 1 x BXRA-RS_(BXRA-50C9000-J-G3)_378.346lm@100mA__CCT=5000K_P=2.65295W_I=100.1mA



Luminaire: LEDiL Oy CN13377_BERTHA1-TYPE2-S_(VERO29)

Lamps: 1 x Bridgelux_VERO29_(BXRC-50C10K0-L-04)_1421.12lm@250mA_P=8.66706W_I=249.8mA



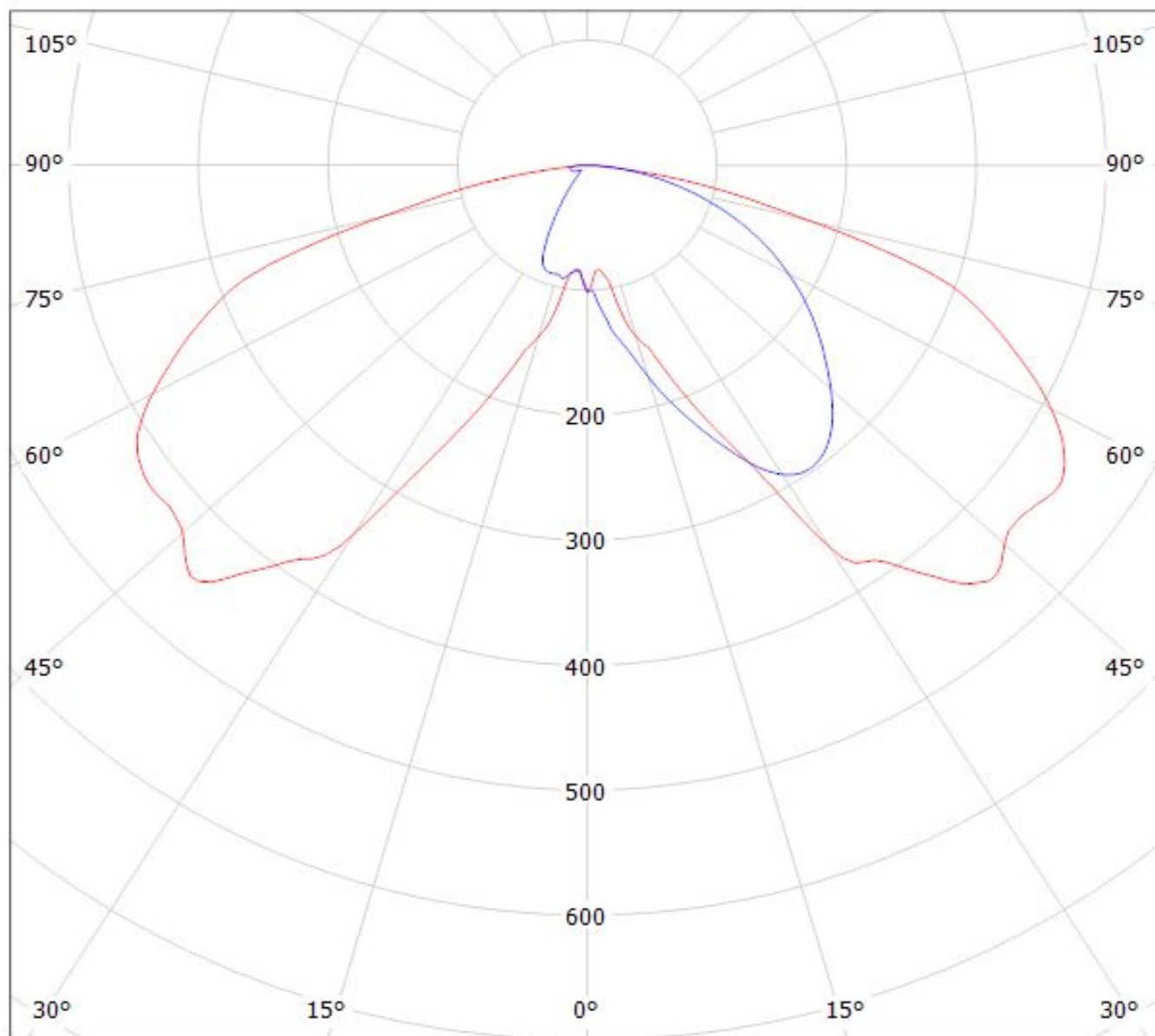
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy CN13377_BERTHA1-TYPE2-S_(BXRA-RS)

Lamps: 1 x BXRA-RS_(BXRA-50C9000-J-G3)_378.346lm@100mA_CCT=5000K_P=2.65295W_I=100.1mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 100\%$

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.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

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.