

**Ordering number CN13161_LENA-WAS**

Family	Lena
Type	Pack
LED	BXRA RS
Color	Metal
Diameter	111 mm
Height	37.1 mm
Style	Round
Optic Material	PC
Holder Material	-
Fastening	Socket, screw
Status	Ready

FWHM	Asym degrees
Efficiency	80 %
cd/Im	0.900
Gerber File	Available

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13171_LENA-WAS-DL**

Family	Lena
Type	Pack
LED	BXRA RS
Color	Metal
Diameter	111 mm
Height	39.2 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Socket, screw
Status	Ready

FWHM	Asym degrees
Efficiency	75 %
cd/Im	0.800
Gerber File	Available

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13448_LENA-X-WAS**

Family	Lena
Type	Pack
LED	BXRA RS
Color	White
Diameter	111 mm
Height	37.1 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw, socket
Status	Ready

FWHM	Asym degrees
Efficiency	87 %
cd/Im	0.500
Gerber File	Available

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13449_LENA-X-WAS-DL**

Family	Lena
Type	Pack
LED	BXRA RS
Color	White
Diameter	111 mm
Height	39.2 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Socket, screw
Status	Ready

FWHM	Asym degrees
Efficiency	83 %
cd/Im	0.500
Gerber File	Available

Reflector twist-and-locks into included base part that holds COE

**Ordering number** CN12304_LENA-S-DL

Family	Lena	FWHM	20 degrees
Type	Pack	Efficiency	80 %
LED	BXRA RS	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Reflector twist-and-locks into included base part that holds COE

**Ordering number** CN12302_LENA-M

Family	Lena	FWHM	28 degrees
Type	Pack	Efficiency	84 %
LED	BXRA RS	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Reflector twist-and-locks into included base part that holds COE

**Ordering number** CN12305_LENA-M-DL

Family	Lena	FWHM	29 degrees
Type	Pack	Efficiency	79 %
LED	BXRA RS	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Reflector twist-and-locks into included base part that holds COE

**Ordering number** CN12306_LENA-W-DL

Family	Lena	FWHM	51 degrees
Type	Pack	Efficiency	76 %
LED	BXRA RS	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Reflector twist-and-locks into included base part that holds COE



PRODUCT DATASHEET
Lena series
last update 7/5/2013



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.



PRODUCT DATASHEET

Lena series

last update 7/5/2013



GENERAL INFORMATION

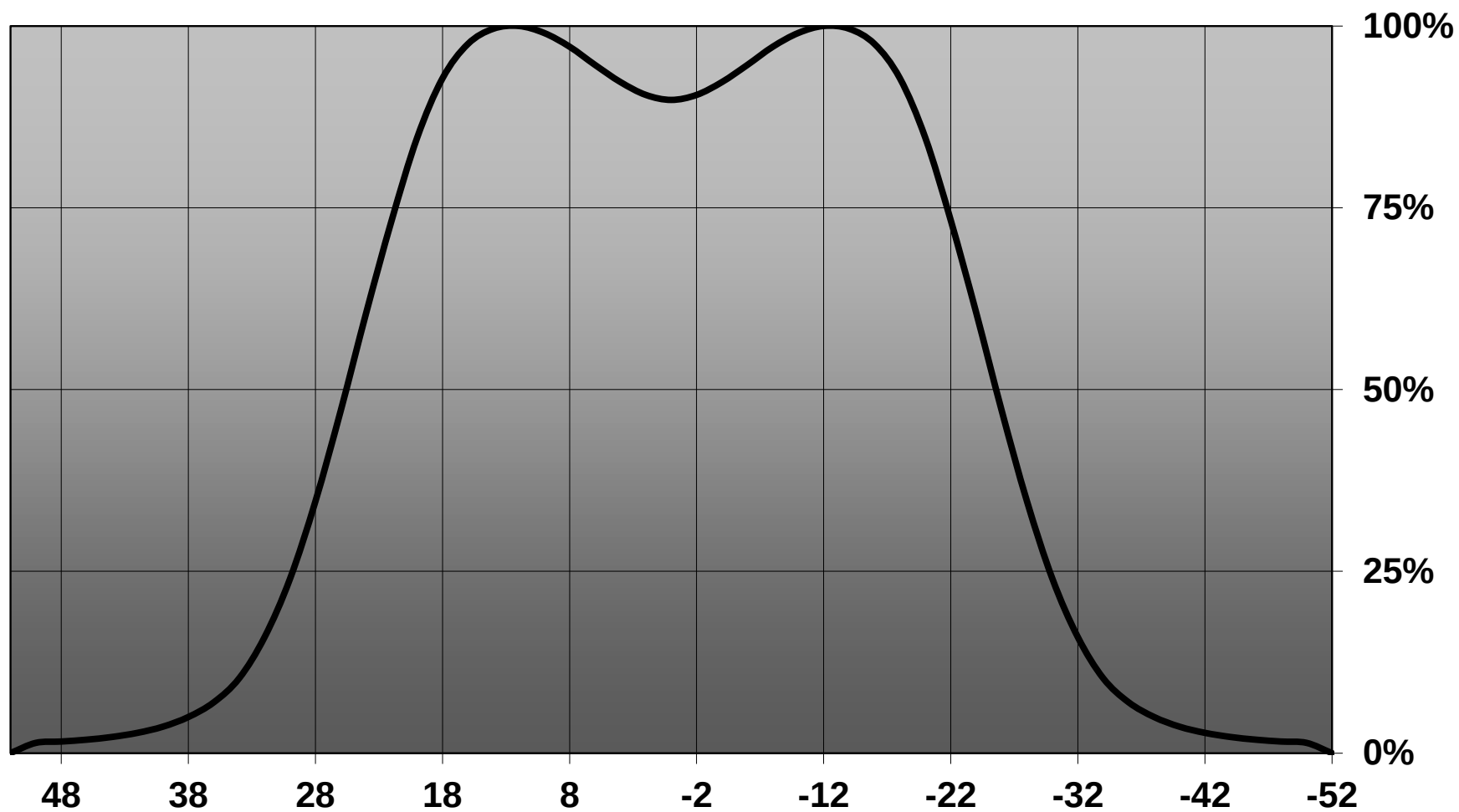
- Product series especially designed & optimized for BXRA RS series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Relative intensity of Lena-W-Diffuser-Lens-BXRA-C5000



D

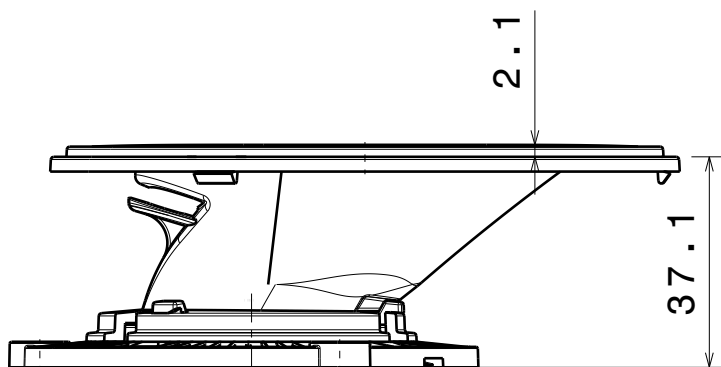
C

B

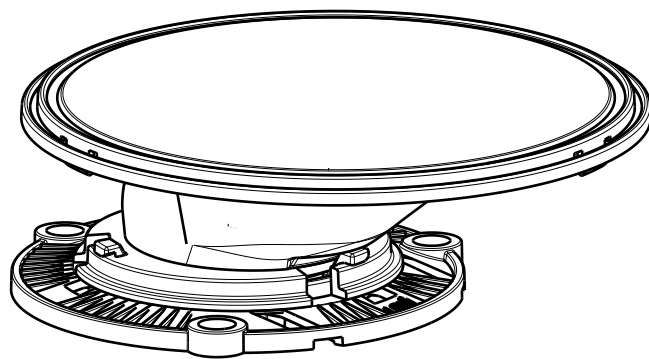
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4

4



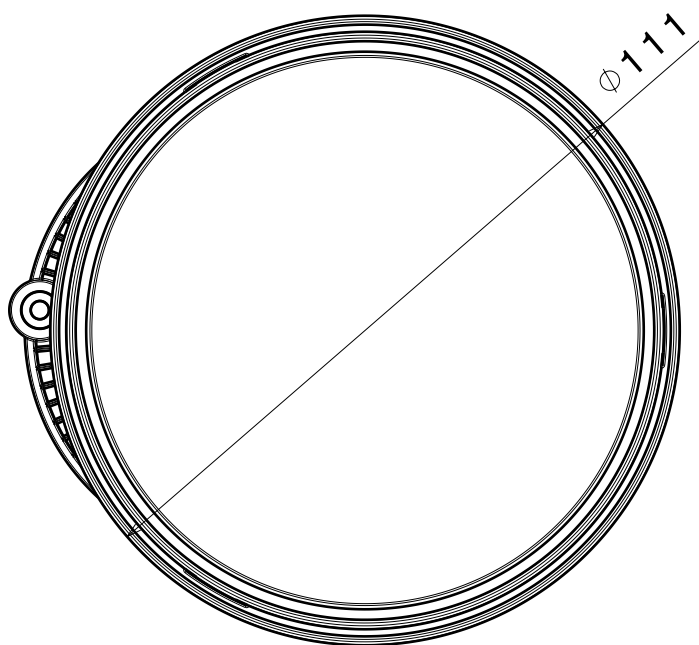
Front view



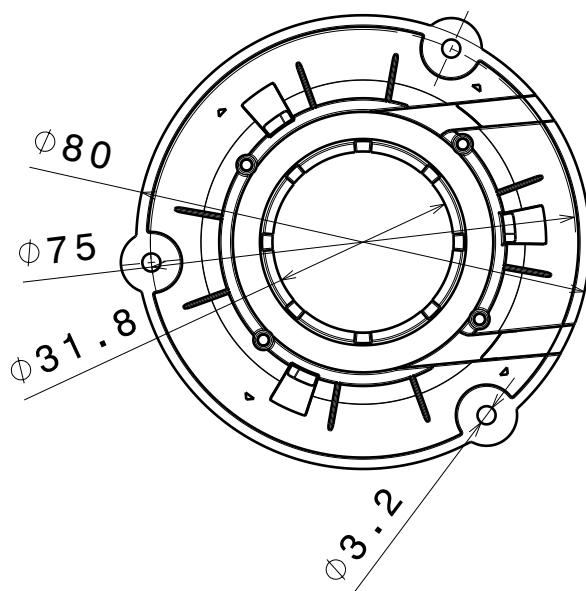
Isometric view

3

3



Top view



Materials

2

2

Note: Using additional sublens add
2,1mm to total height.

Reflector: PC
Base part: PC
Sublens: PC

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LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

Mechanical drawing

DRAWN BY

DATE

as

26.9.2012

LENA-WAS

CHECKED BY

DATE

VS

SIZE

PART NUMBER

REV

A4

001

DESIGNED BY

DATE

-

SCALE

1:4

WEIGHT

- mg

SHEET

1/1

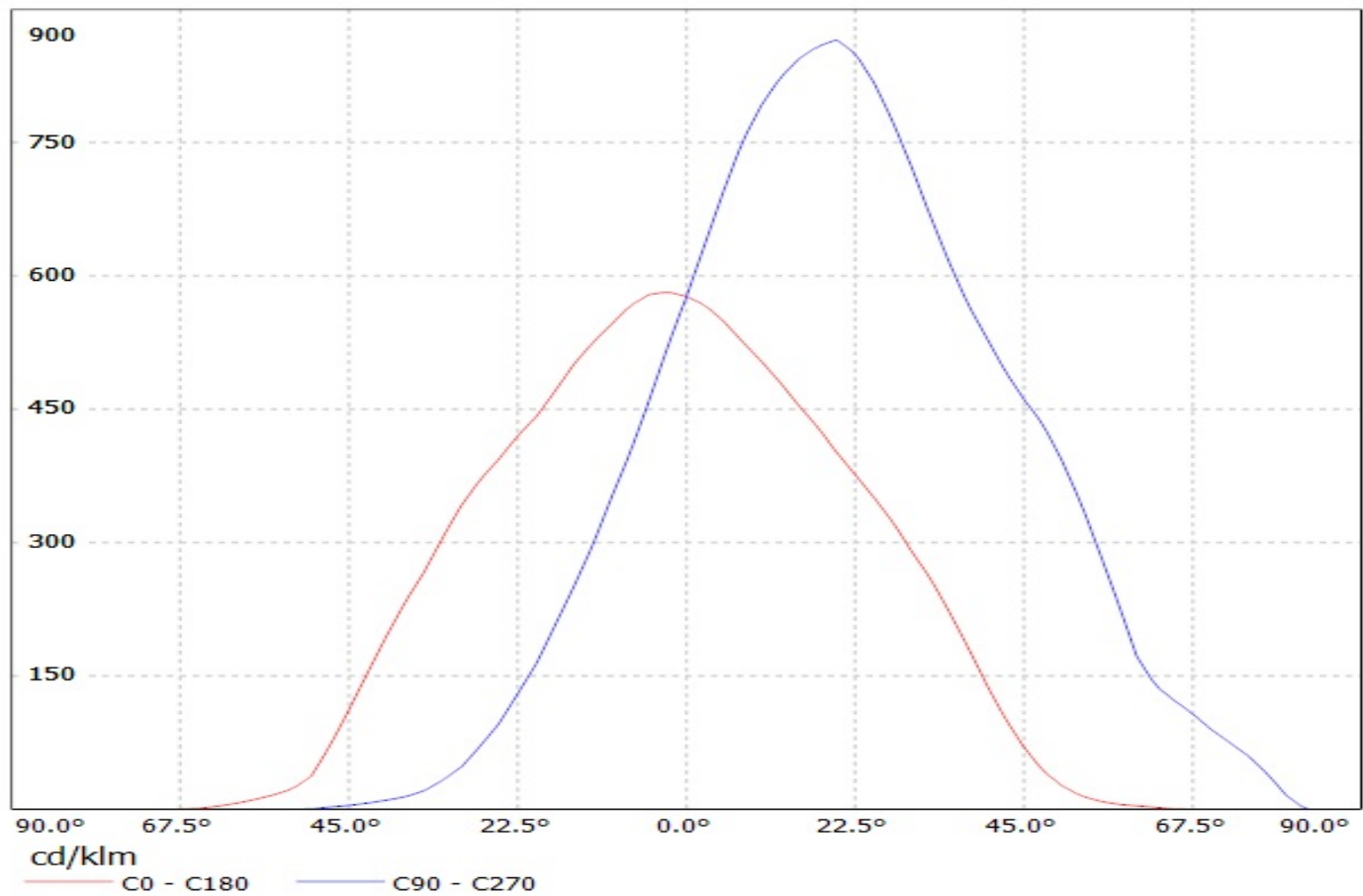
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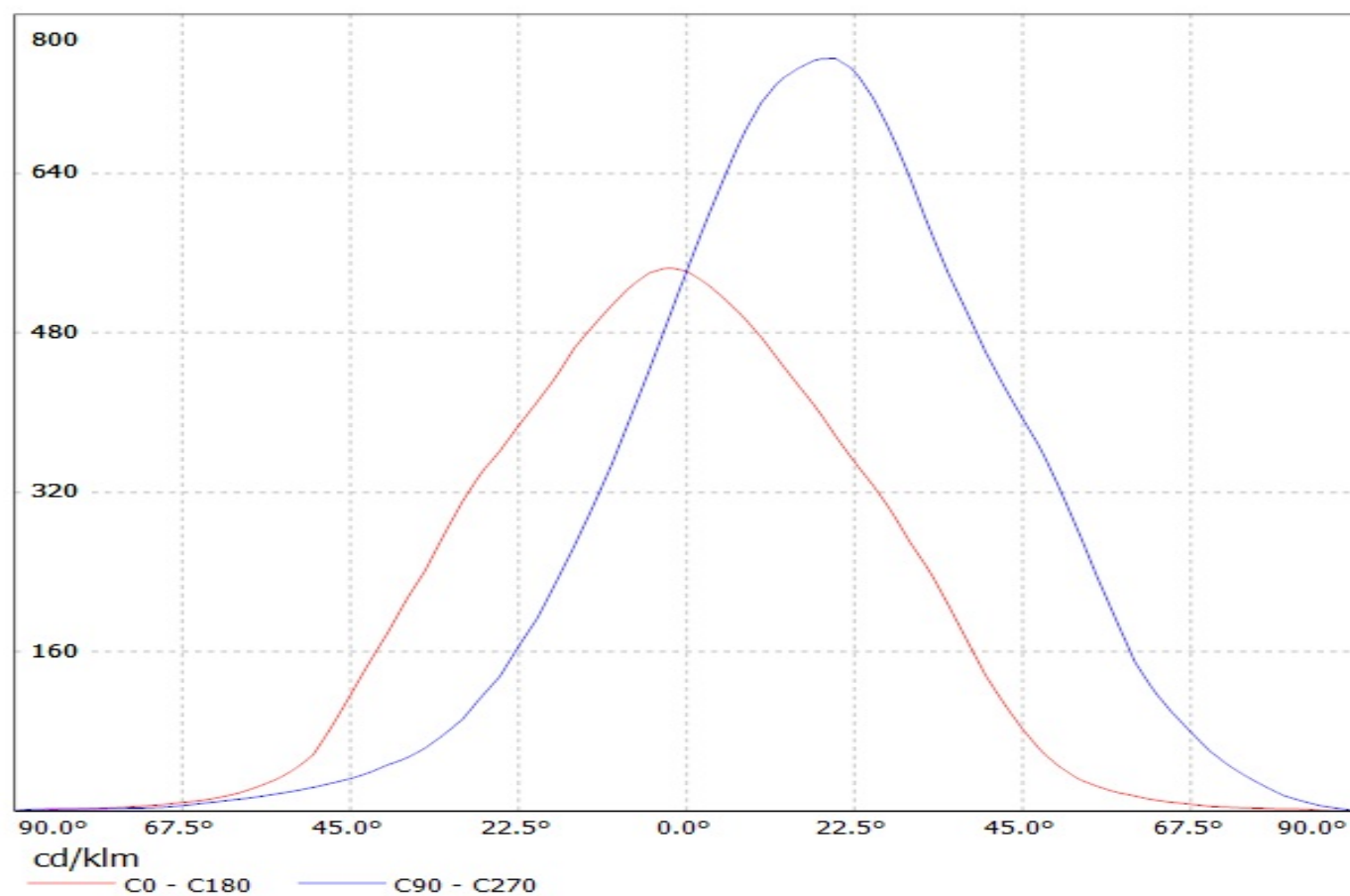
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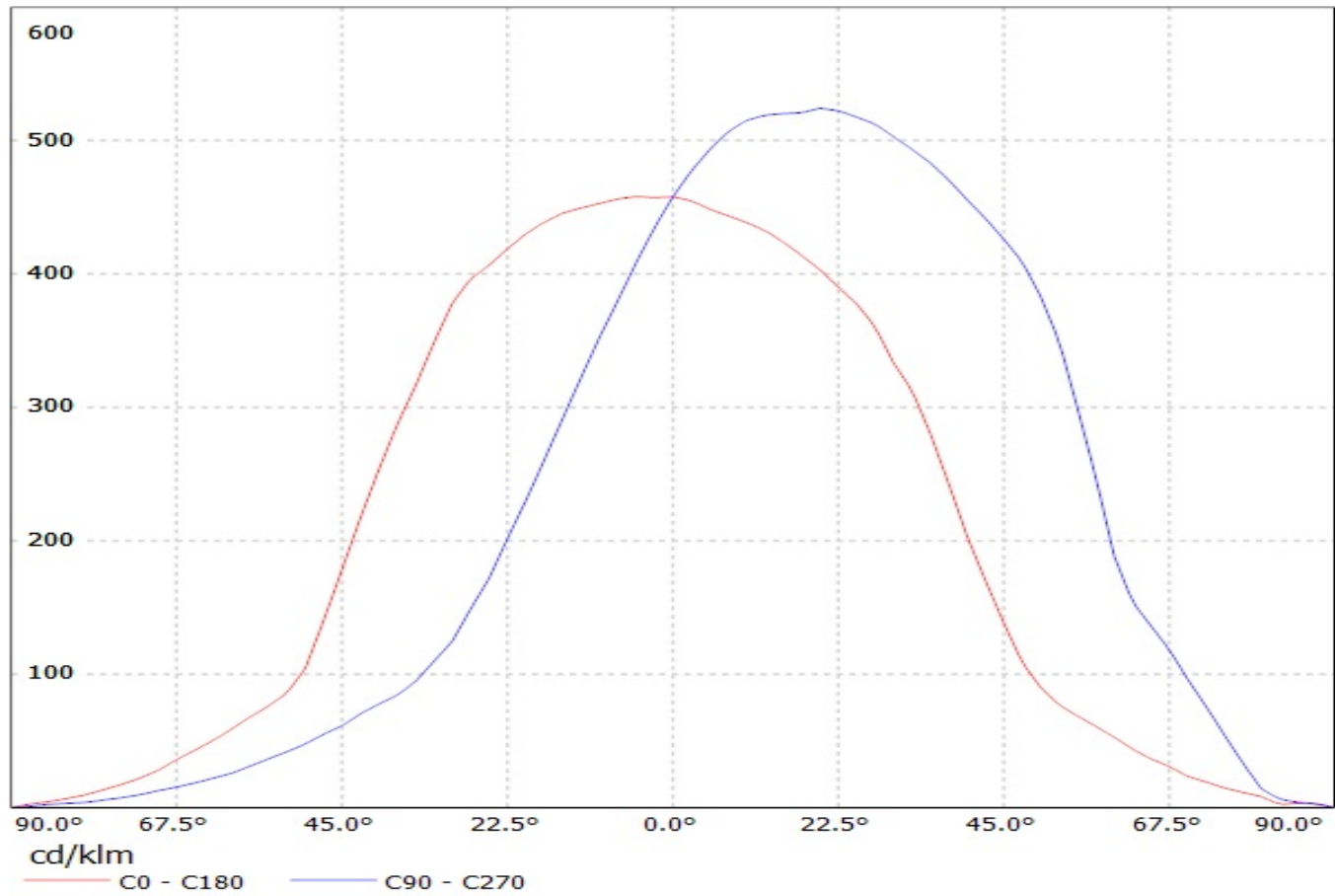
Luminaire: Ledil Oy CN13161_LENA-WAS (Bridgelux RS 591lm @ 250mA) Efficiency=80%
Lamps: 1 x Bridgelux RS 591lm @ 250mA



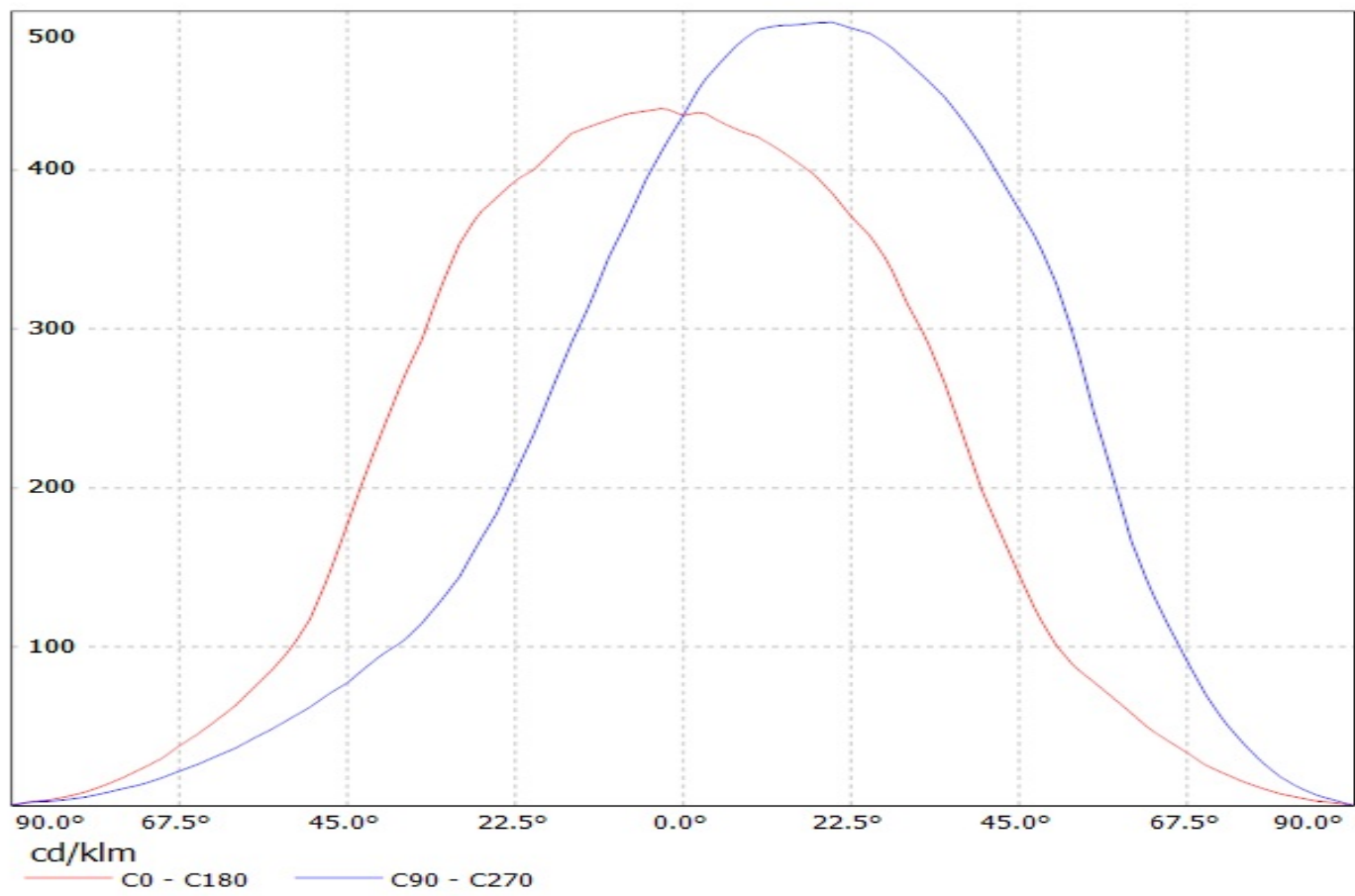
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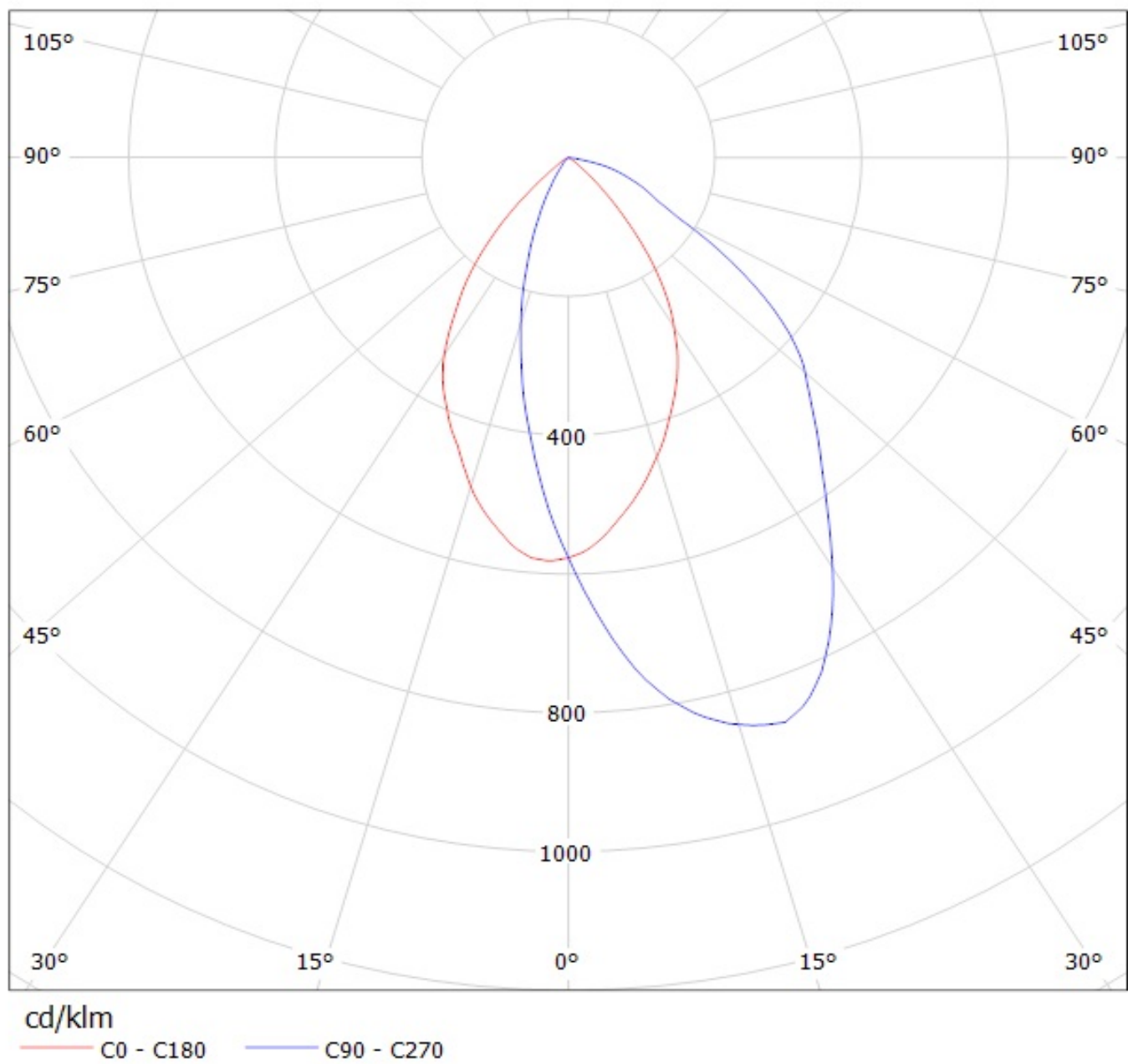
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Lamps: 1 x Bridgelux RS 591lm @ 250mA



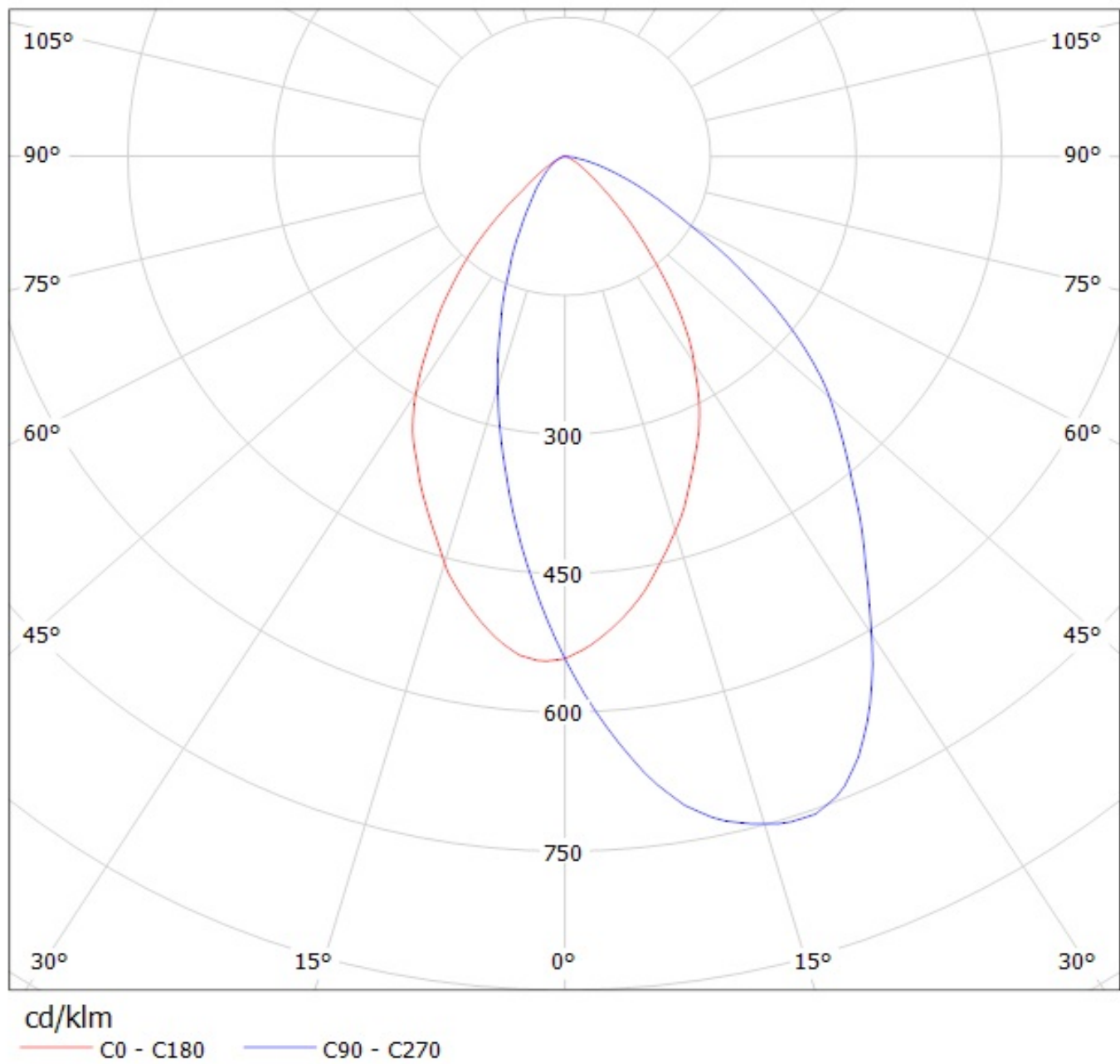
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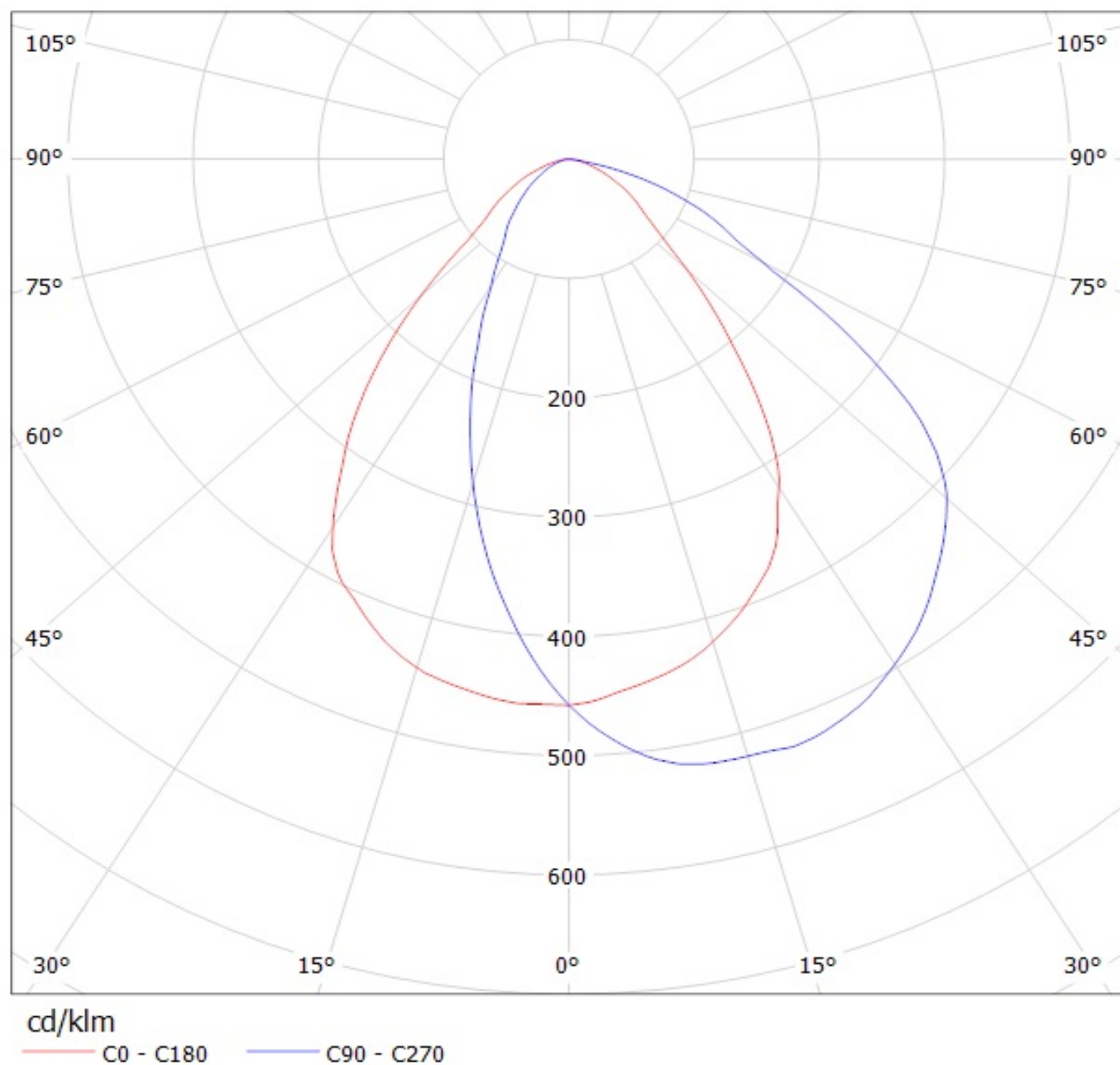
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