

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

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PRODUCT DATASHEET Lena series

last update 5/7/2012



Ordering number CN13163_LENA-WAS

Family Lena **FWHM** Asymmetric degrees Efficiency Type Pack 81 % LED CLL030 cd/lm 1.160 Color Metal Gerber File Available

Diameter 111 mm

Height

Round Style Optic Material PC Holder Material

Socket Fastening Status Ready

Ordering number CN13173_LENA-WAS-DL

Family Lena **FWHM** Asymmetric degrees Type Pack Efficiency 76 % **LED CLL030** cd/lm 0.960 Gerber File Available Color Metal

Diameter 111 mm

Height Round Style Optic Material PC Holder Material

Fastening Socket Status Ready

Ordering number CN13369_LENA-X-WAS

FWHM Family Lena Asymmetric degrees

Pack Efficiency 81 % Type 1.160 LED **CLL030** cd/lm Color White Gerber File Available 111 mm

Diameter Height 39.1 mm Style Round

Optic Material PC Holder Material PC

Fastening Screw, socket Status Ready

Ordering number CN13371_LENA-X-WAS-DL

FWHM Asymmetric degrees Family Lena

Efficiency 80 % Type Pack LED CLL030 0.500 cd/lm Available Color White Gerber File Diameter 111 mm

Height 42 mm Style Round Optic Material PC Holder Material PC

Fastening Screw, socket

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

May 8th 2013 15:54 Copyright Ledil Oy - Subject to change without prior notice - Page 1/4



PRODUCT DATASHEET Lena series

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Ordering number CN12712_LENA-S

Family Lena Type Pack LED CLL030 Color Metal Diameter 111 mm Height 85.4 mm Style Round PC Optic Material РС Holder Material Fastening Screw Ready Status

FWHM 12 degrees
Efficiency 88 %
cd/lm -

Gerber File Available



Ordering number CN12718_LENA-S-DL

Family Lena Type Pack **LED CLL030** Color Metal Diameter 111 mm Height 85.4 mm Style Round PC Optic Material PC Holder Material Fastening Screw Status Ready

FWHM 12 degrees
Efficiency 83 %
cd/lm Gerber File Available

Ordering number CN12713_LENA-M

Family Lena Pack Type **LED CLL030** Color Metal Diameter 111 mm Height 85.4 mm Style Round PC Optic Material Holder Material PC Fastening Screw Status Ready

FWHM 19 degrees
Efficiency 86 %
cd/lm Gerber File Available

Ordering number CN12719_LENA-M-DL

Family Lena Pack Type LED CLL030 Color Metal Diameter 111 mm 85.4 mm Height Style Round Optic Material Holder Material PC Fastening Screw Status Ready

FWHM 20 degrees
Efficiency 81 %
cd/lm -

Gerber File Available

May 8th 2013 15:54 Copyright Ledil Oy - Subject to change without prior notice - Page 2/4

1





PRODUCT DATASHEET Lena series

last update 5/7/2012



Ordering number CN12714_LENA-W

Family	Lena
Type	Pack
LED	CLL030
Color	Metal
Diameter	111 mm
Height	85.4 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw
Status	Ready

43 degrees Efficiency 83 % cd/lm Gerber File Available

FWHM

Ordering number CN12720_LENA-W-DL

Family	Lena
Туре	Pack
LED	CLL030
Color	Metal
Diameter	111 mm
Height	85.4 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw
Status	Ready

FWHM 44 degrees Efficiency 78 % cd/lm Gerber File Available

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 5/7/2012

GENERAL INFORMATION

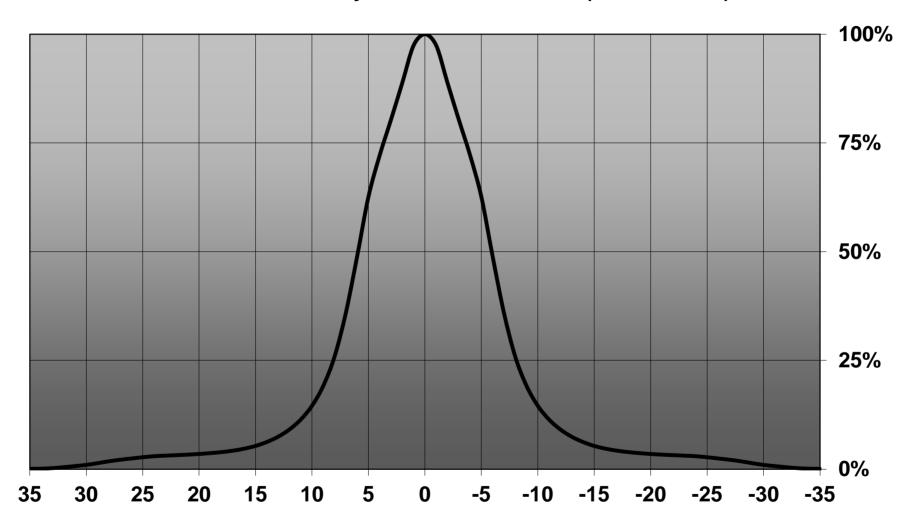
- Product series especially designed & optimized for CLL030 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

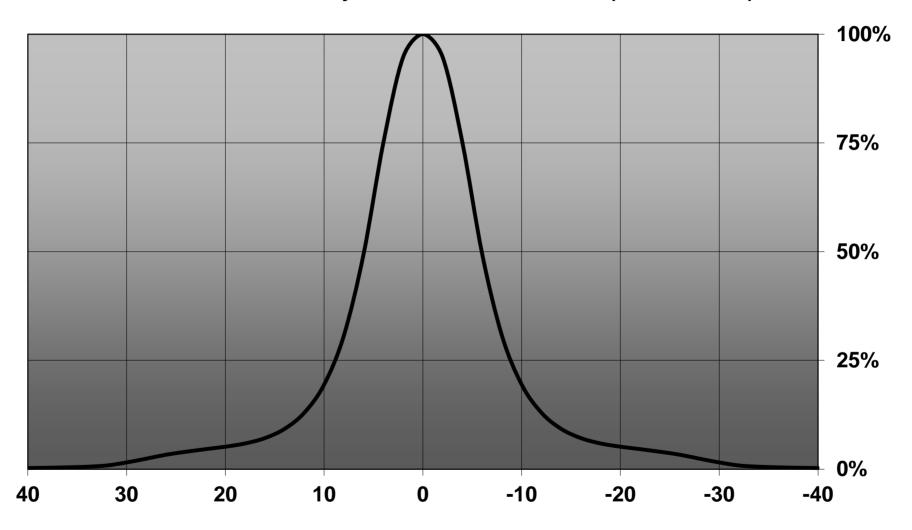
http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- 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).

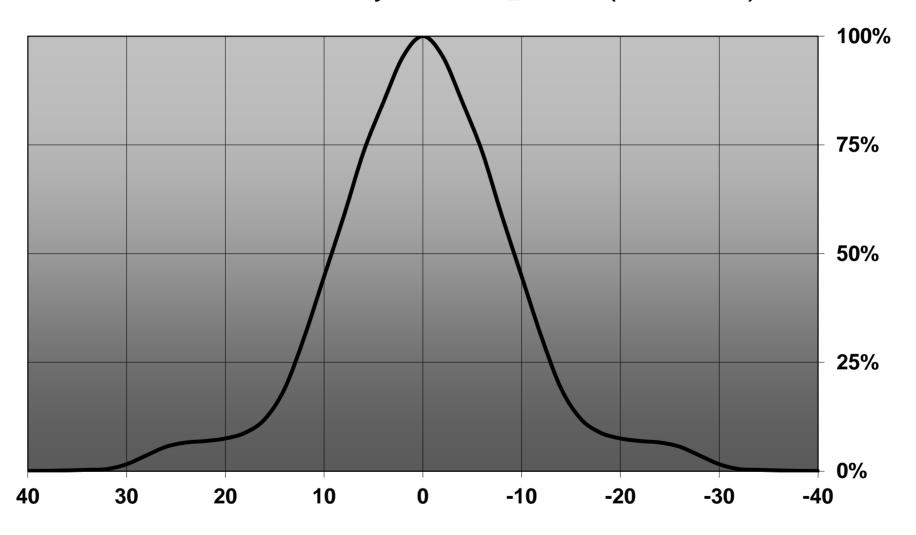
Relative intensity of CN12712_LENA-S (CLL030-1208)



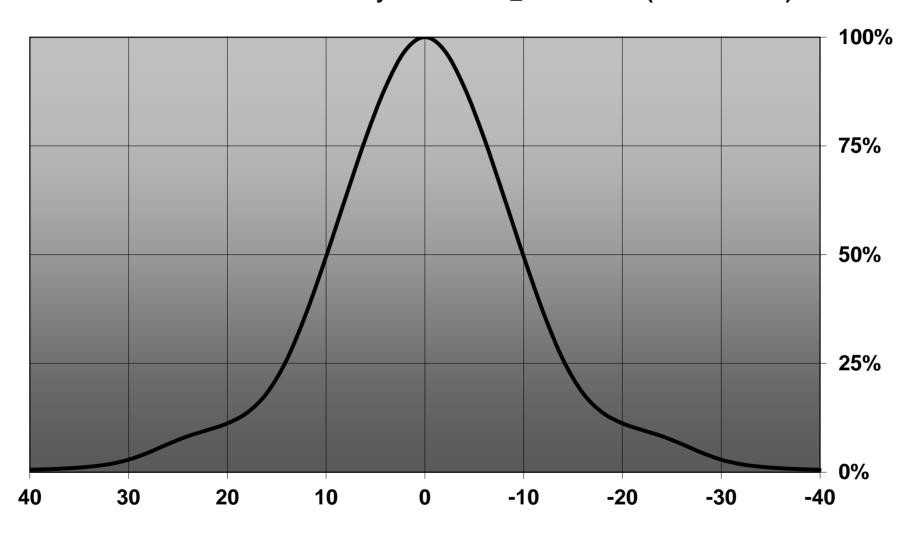
Relative intensity of CN12718_LENA-S-DL (CLL030-1208)



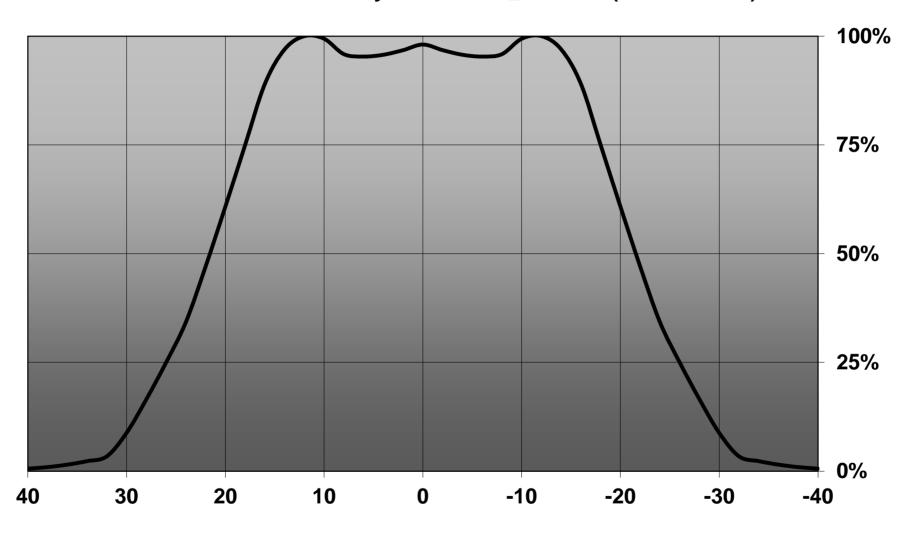
Relative intensity of CN12713_LENA-M (CLL030-1208)



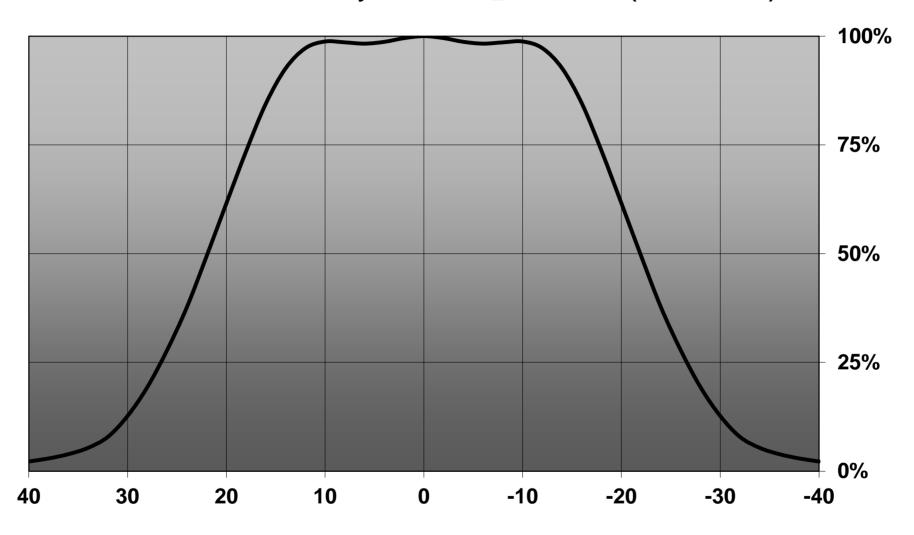
Relative intensity of CN12719_LENA-M-DL (CLL030-1208)

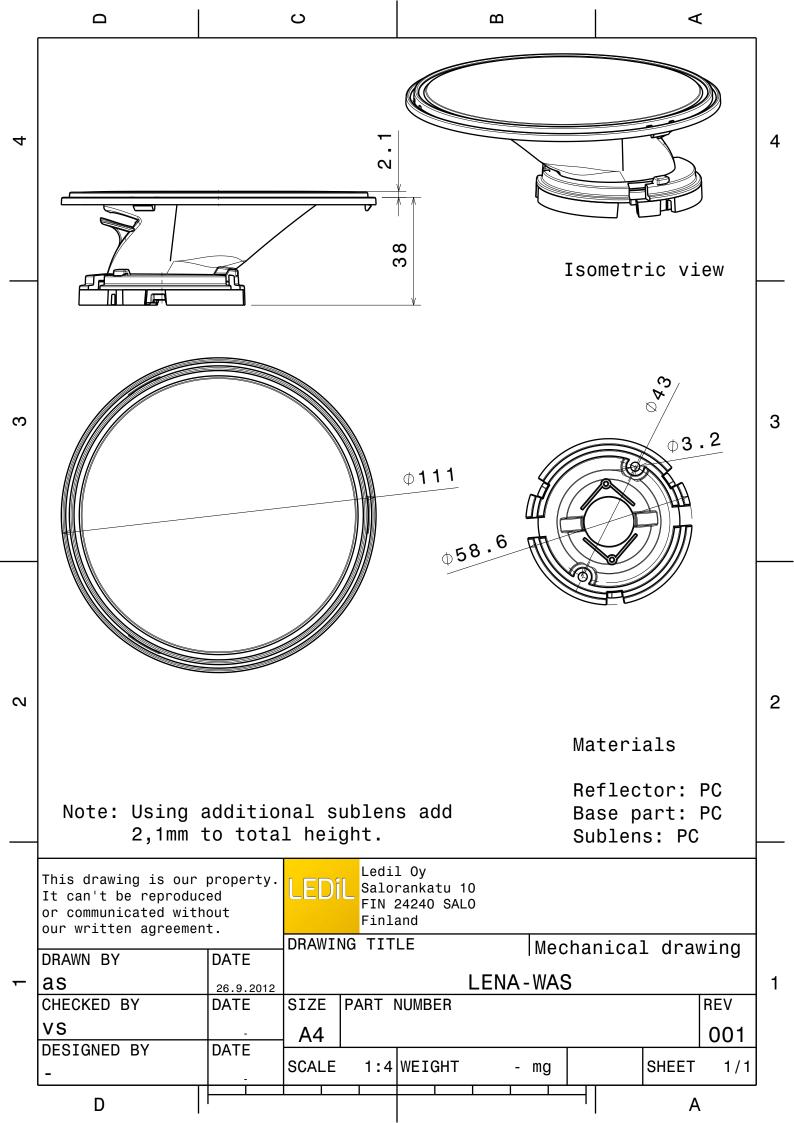


Relative intensity of CN12714_LENA-W (CLL030-1208)

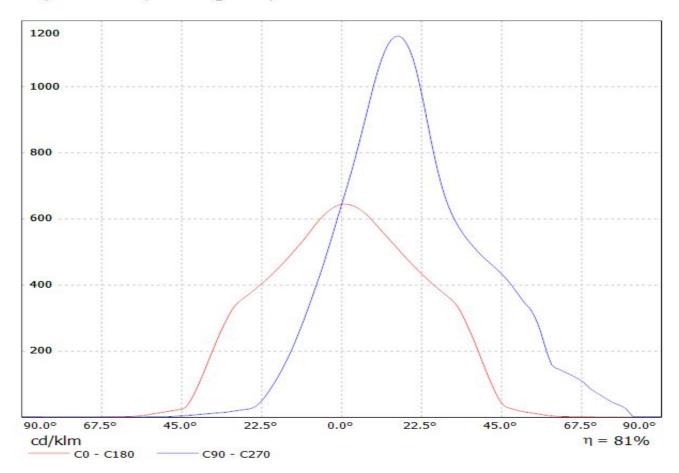


Relative intensity of CN12720_LENA-W-DL (CLL030-1208)

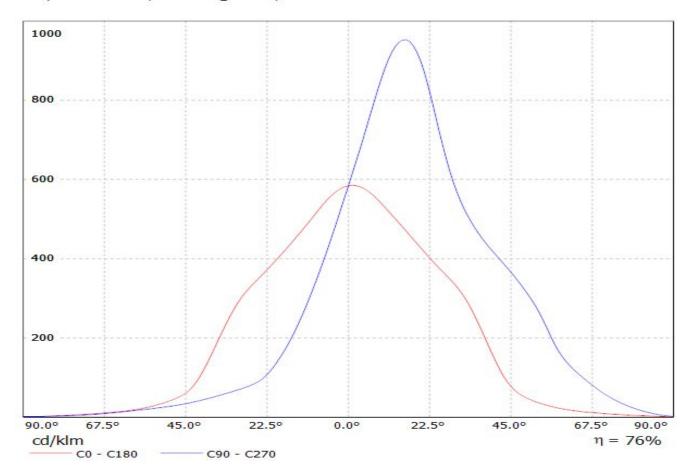




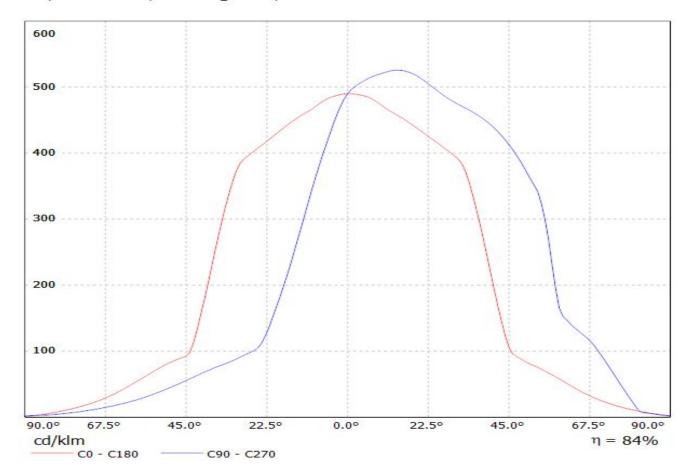
Luminaire: LEDiL Oy CN13163_LENA-WAS_(CLL030) Eff.80.7% Lamps: 4 x CLL030 (231.104Im@250mA)



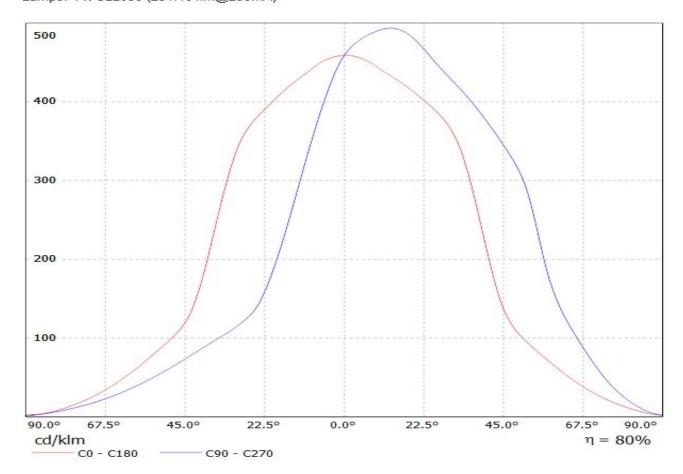
Luminaire: LEDiL Oy CN13173_LENA-WAS-DL_(CLL030) Eff.76.3% Lamps: 4 x CLL030 (231.104lm@250mA)



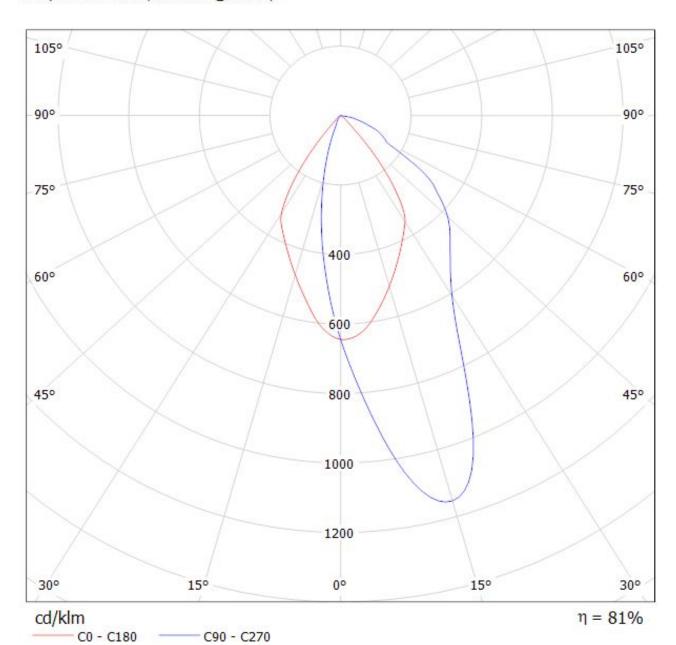
Luminaire: LEDiL Oy CN13369_LENA-X-WAS_(CLL030) Eff.83.6% Lamps: 4 x CLL030 (231.104Im@250mA)



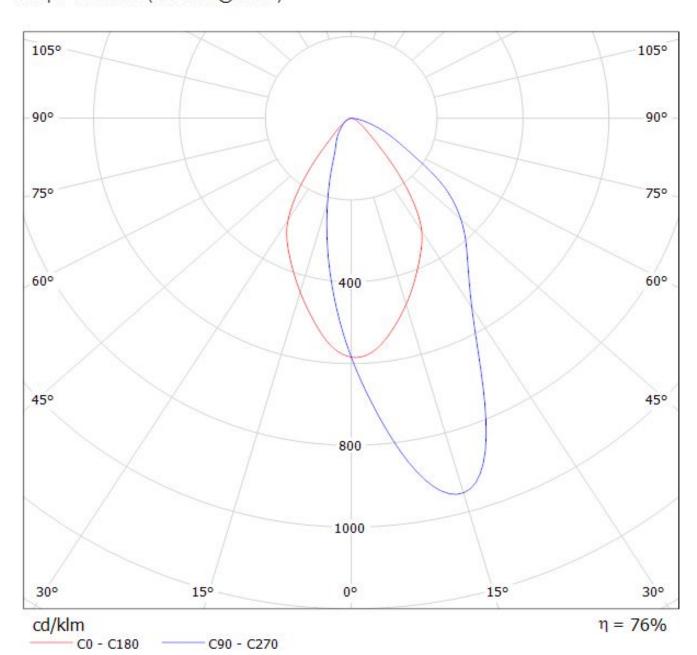
Luminaire: LEDiL Oy CN13371_LENA-X-WAS-DL_(CLL030) Eff.81.6% Lamps: 4 x CLL030 (231.104Im@250mA)



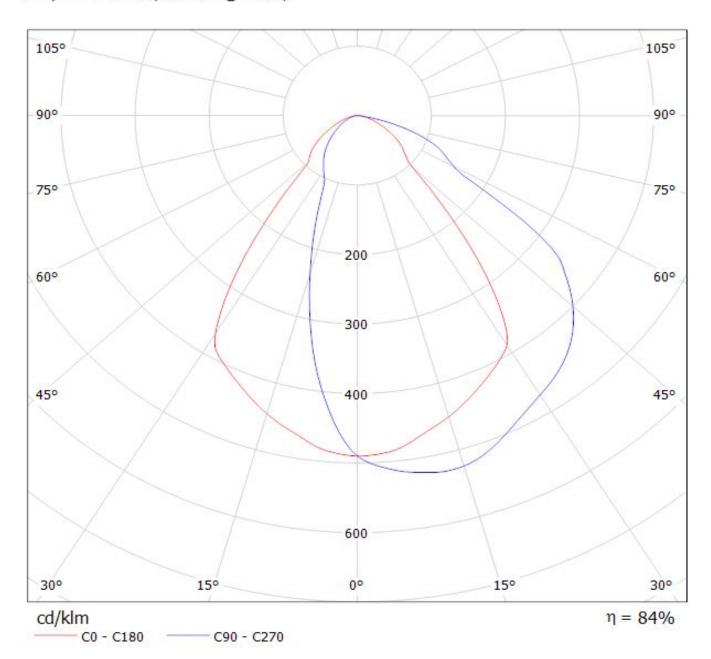
Luminaire: LEDiL Oy CN13163_LENA-WAS_(CLL030) Eff.80.7% Lamps: 4 x CLL030 (231.104Im@250mA)



Luminaire: LEDiL Oy CN13173_LENA-WAS-DL_(CLL030) Eff.76.3% Lamps: 4 x CLL030 (231.104lm@250mA)



Luminaire: LEDiL Oy CN13369_LENA-X-WAS_(CLL030) Eff.83.6% Lamps: 4 x CLL030 (231.104lm@250mA)



Luminaire: LEDiL Oy CN13371_LENA-X-WAS-DL_(CLL030) Eff.81.6% Lamps: 4 x CLL030 (231.104Im@250mA)

