

PRODUCT DATASHEET Lena series

last update 23/2/2014





Product number C11995_LENA-STD-BASE-CL340

Family Lena Type Base part LED CL-L340 Color White Diameter 58 63 mm Heiaht 13.25 mm Style Round Optic Material РС Holder Material Screw Fastening Status On production

FWHM N/A degrees Efficiency

(simulated) 0.000 Gerber File Available

cd/lm

CN13158_LENA-WAS Product number

Family Lena Type RefPack **LED** CL-L340 Metal Color Diameter 111 mm 38.7 mm Height Round Style Optic Material PC Holder Material Fastening Socket Status On production

FWHM Asymmetric degrees Efficiency 84 %

cd/lm 1.170 Gerber File Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat

sink with screws.

Product number CN13168_LENA-WAS-DL

Family Lena RefPack Type **LED** CL-L340 Color Metal Diameter 111 mm Height Round Style Optic Material PC Holder Material Fastening Socket Status On production **FWHM** Asymmetric degrees

Efficiency 73 % 0.900 cd/lm Gerber File Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat

sink with screws.

Product number CN13373_LENA-X-WAS-DL

Family Lena RefPack Type LED CL-L340 White Color Diameter 111 mm Height 42 mm Style Round Optic Material PC

Socket, screw Fastening Status On production

PC

Holder Material

FWHM Asymmetric degrees

Efficiency cd/lm 0.500 Available Gerber File

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat

sink with screws.

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Product number CN13374_LENA-X-WAS

Family Lena Type RefPack CL-L340 LED Color White Diameter 111 mm Height 39.9 mm Style Round PC Optic Material PC Holder Material

Fastening Socket, screw Status On production

FWHM Asymmetric degrees

Efficiency 84 % cd/lm 1.170 Gerber File Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat

11 degrees

84 %

10.100

Available

sink with screws.

Product number CN12367_LENA-FRESNEL

Family Lena Type RefPack **LED** CL-L340 Color Black Diameter 111 mm Height 87.7 mm Style Round PC Optic Material Holder Material PC

Fastening Socket, screw Status On production

FWHM 8 degrees
Efficiency 36 %
cd/lm 9.600
Gerber File Available

FWHM

cd/lm

Efficiency

Gerber File

Product number CN12101_LENA-S

Family Lena RefPack Type **LED** CL-L340 Color Metal Diameter 111 mm 86.1 mm Height Round Style PC Optic Material Holder Material PC Fastening Screw Status On production

Product number CN12112_LENA-S-DL

Family Lena RefPack Type LED CL-L340 Color Metal Diameter 111 mm 87.7 mm Height Style Round Optic Material Holder Material PC Fastening Screw Status On production

FWHM 14 degrees
Efficiency 79 %
cd/lm 8.000
Gerber File Available

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Product number CN12161_LENA-M

Family Lena Type RefPack LED CL-L340 Color Metal Diameter 111 mm Heiaht 86.1 mm Style Round PC Optic Material PC Holder Material Fastening

Status On production

Product number CN12166_LENA-M-DL

Family Lena Type RefPack **LED** CL-L340 Color Metal Diameter 111 mm Height 86.1 mm Round Style PC Optic Material PC Holder Material Fastening Screw

Status On production

Product number CN12113_LENA-W-DL

Family Lena RefPack Type **LED** CL-L340 Color Metal Diameter 111 mm 87.7 mm Height Round Style Optic Material PC Holder Material PC Fastening Screw Status On production FWHM 22 degrees
Efficiency 83 %
cd/lm 4.700
Gerber File Available

FWHM 24 degrees
Efficiency 78 %
cd/lm 3.800
Gerber File Available

FWHM 45 degrees
Efficiency 75 %
cd/lm 1.400
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.



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GENERAL INFORMATION

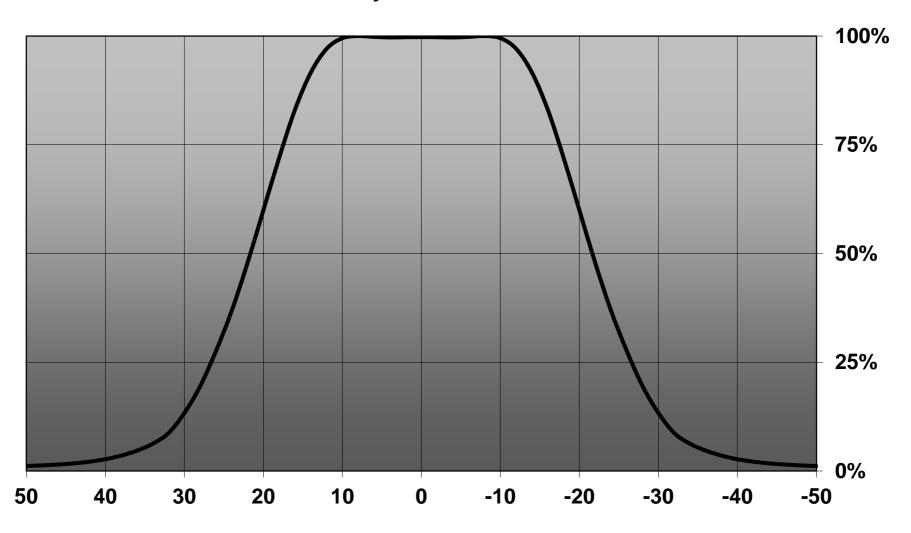
- Product series especially designed & optimized for CL-L340 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

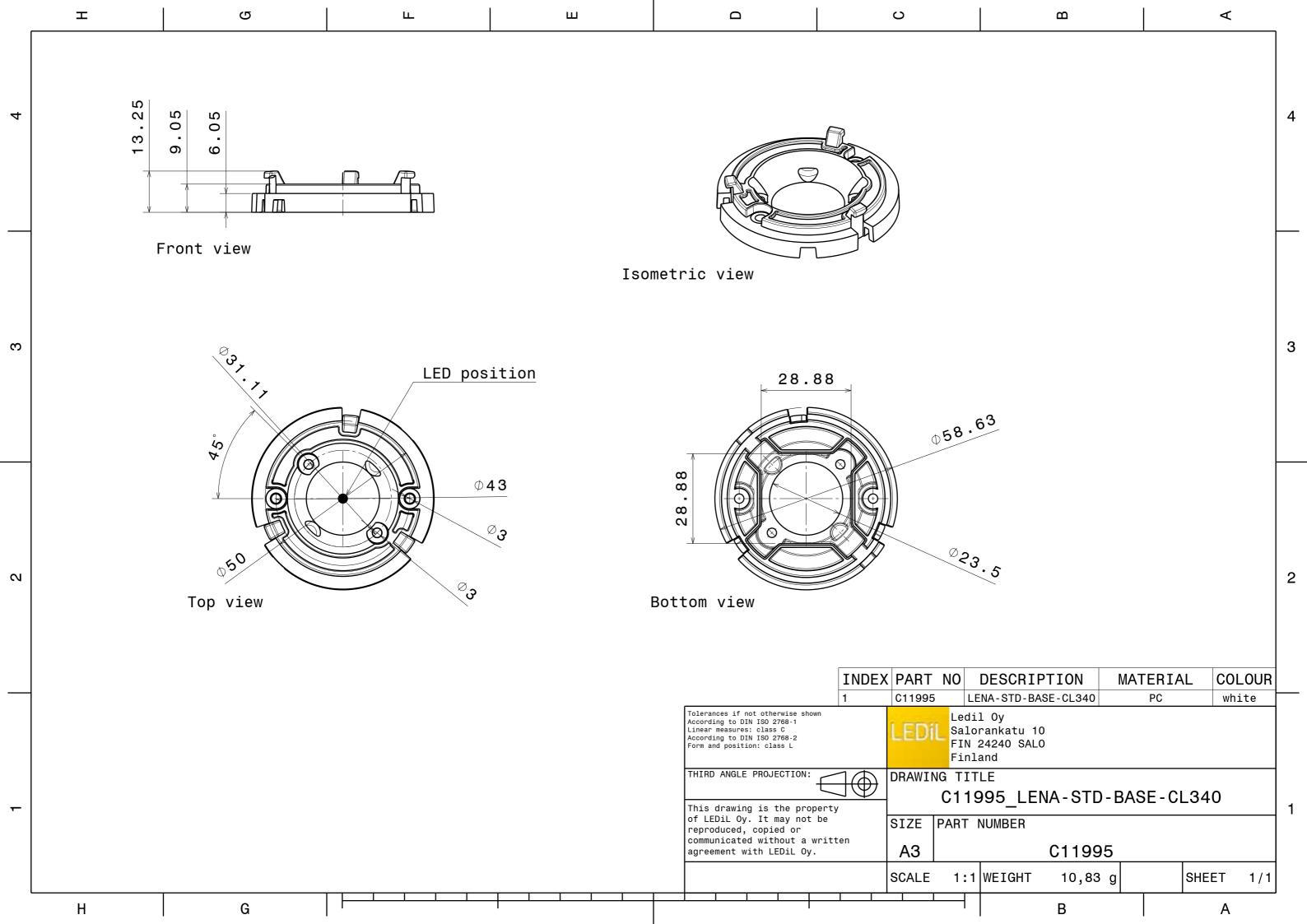
Please find more information about used materials from below:

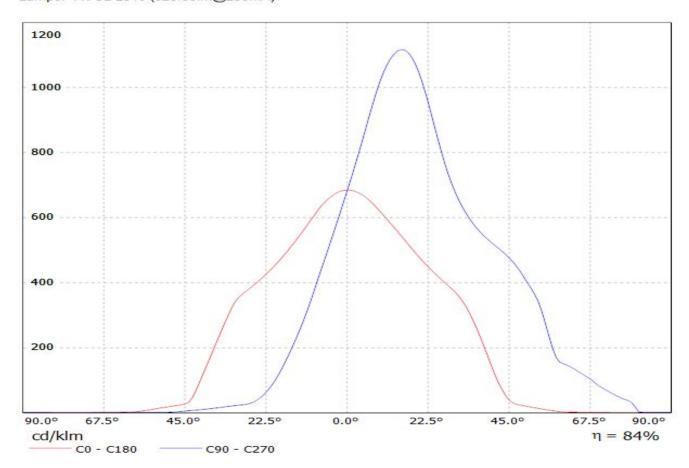
http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 dégrees of Fahrenheit).

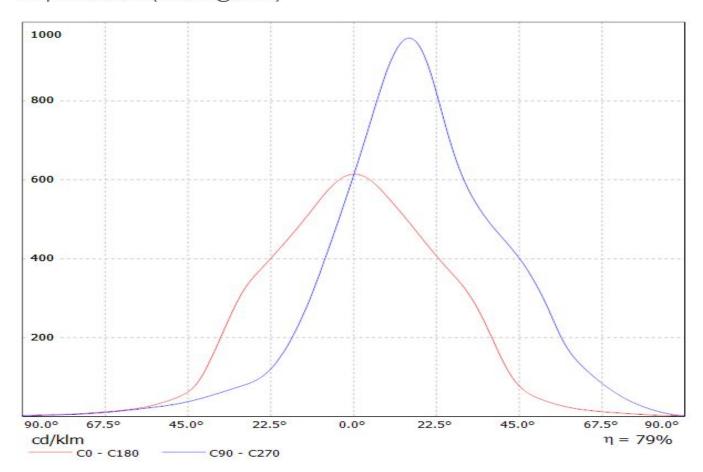
Relative intensity of CA12113_Lena-W-Diffuser-Lens-CL340



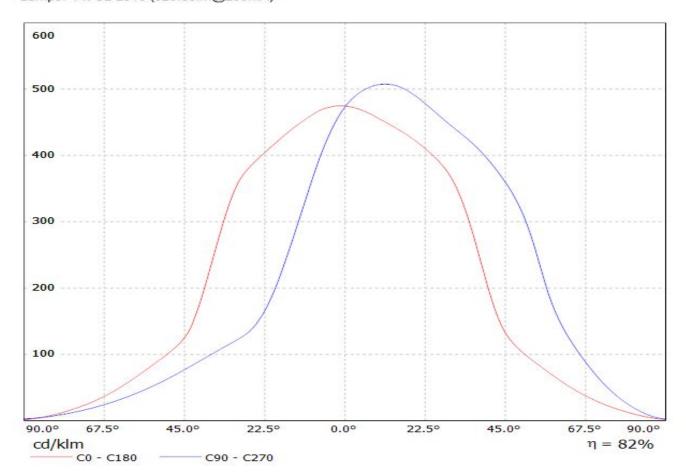




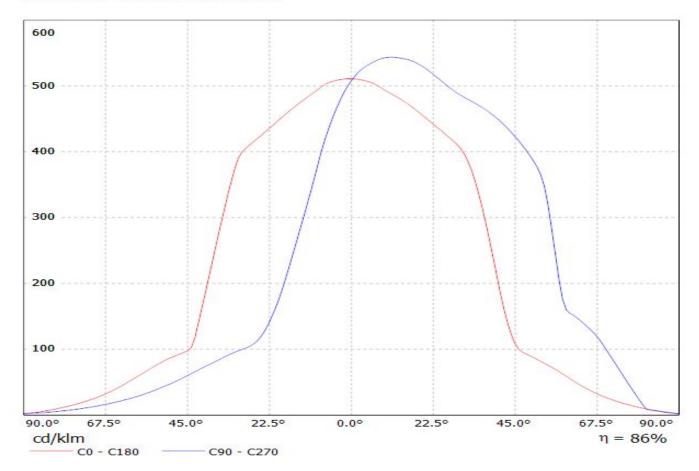
Luminaire: LEDiL Oy CN13168_LENA-WAS-DL_(CL-L340) Eff.79.2% Lamps: 1 x CL-L340 (929.39Im@250mA)



Luminaire: LEDiL Oy CN13373_LENA-X-WAS-DL_(CL-L340) Eff.82.2% Lamps: 1 x CL-L340 (929.39Im@250mA)

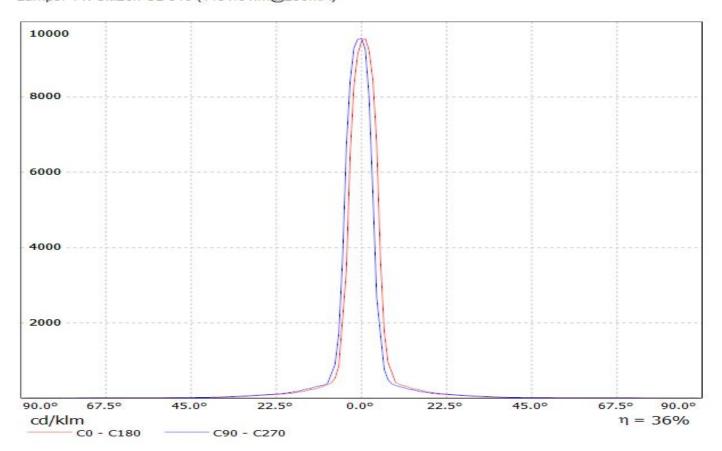


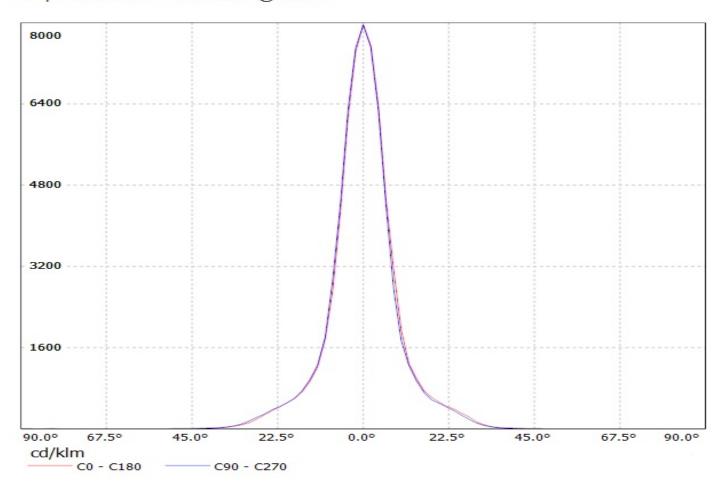
Luminaire: LEDiL Oy CN13374_LENA-X-WAS_(CL-L340) Eff.86.3% Lamps: 1 x CL-L340 (929.39Im@250mA)

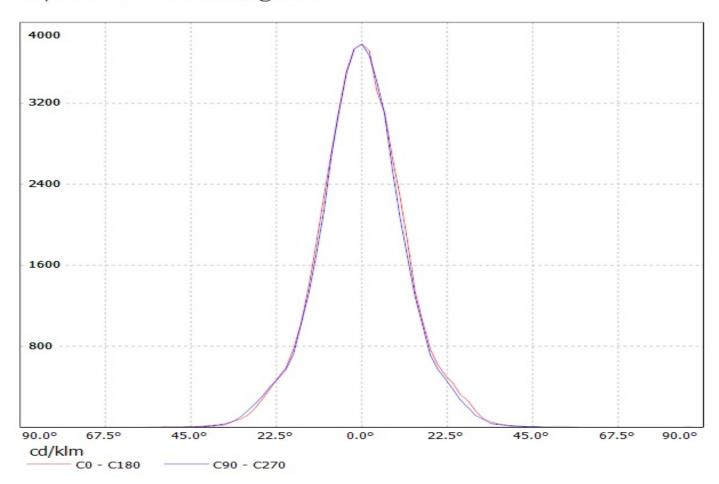


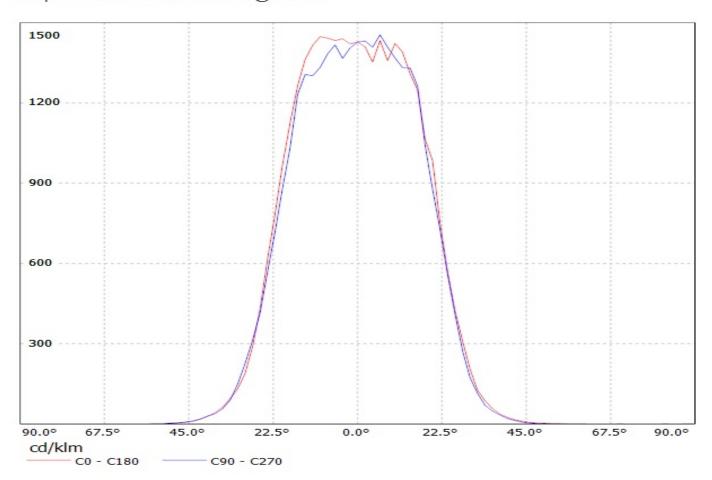
LEDIL Oy CN12367_LENA-FRESNEL-CL-L340 Eff.36.1% / LDC (Linear)

Luminaire: LEDiL Oy CN12367_LENA-FRESNEL-CL-L340 Eff.36.1% Lamps: 1 x Citizen CL-340 (1151.01lm@250mA)

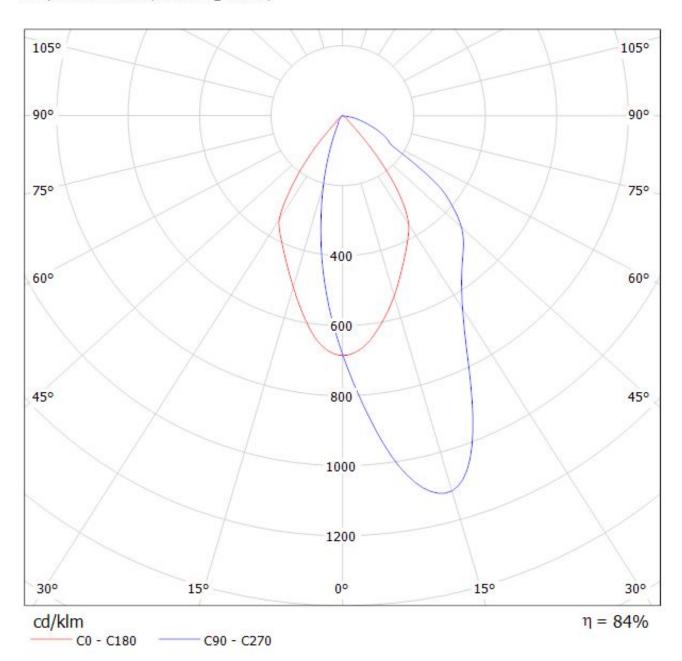




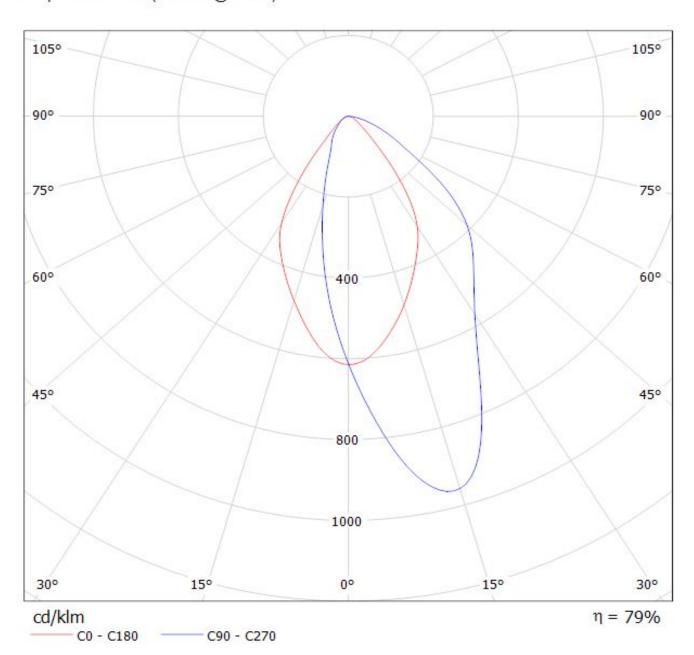




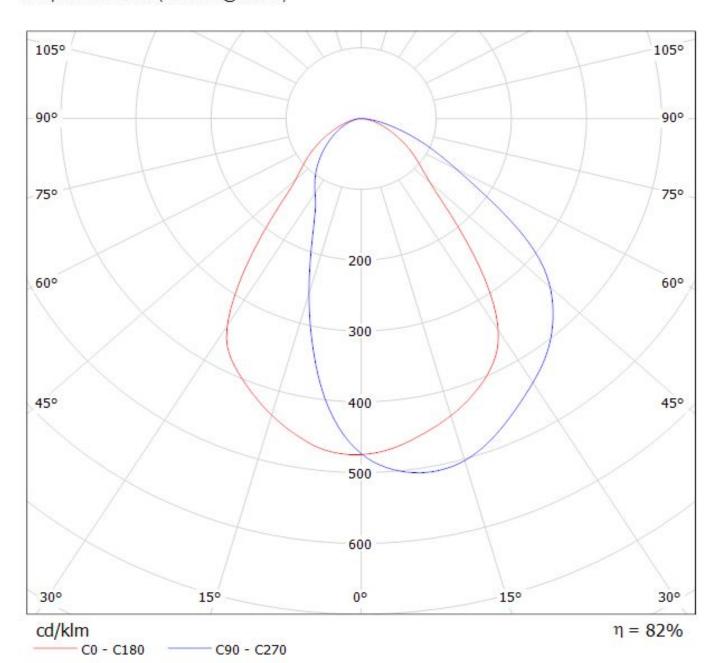
Luminaire: LEDiL Oy CN13158_LENA-WAS_(CL-L340) Eff.83.7% Lamps: 1 x CL-L340 (929.39Im@250mA)



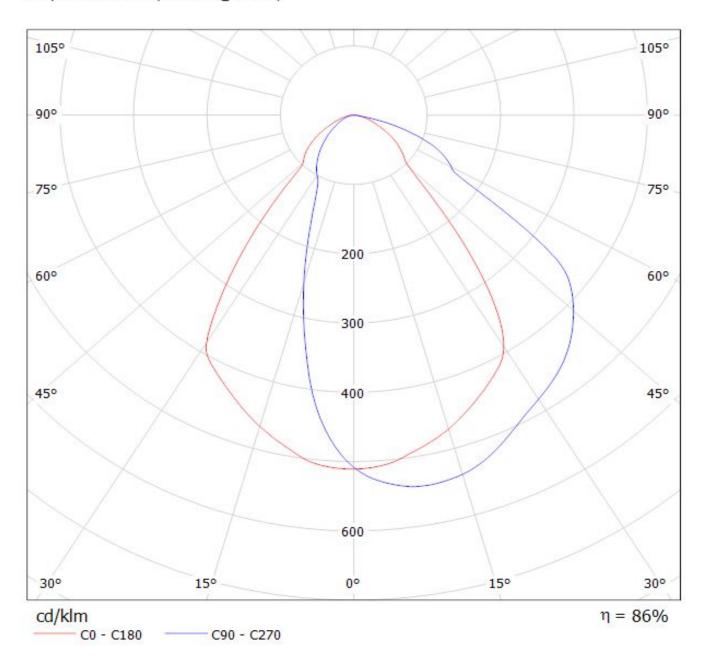
Luminaire: LEDiL Oy CN13168_LENA-WAS-DL_(CL-L340) Eff.79.2% Lamps: 1 x CL-L340 (929.39Im@250mA)



Luminaire: LEDiL Oy CN13373_LENA-X-WAS-DL_(CL-L340) Eff.82.2% Lamps: 1 x CL-L340 (929.39lm@250mA)

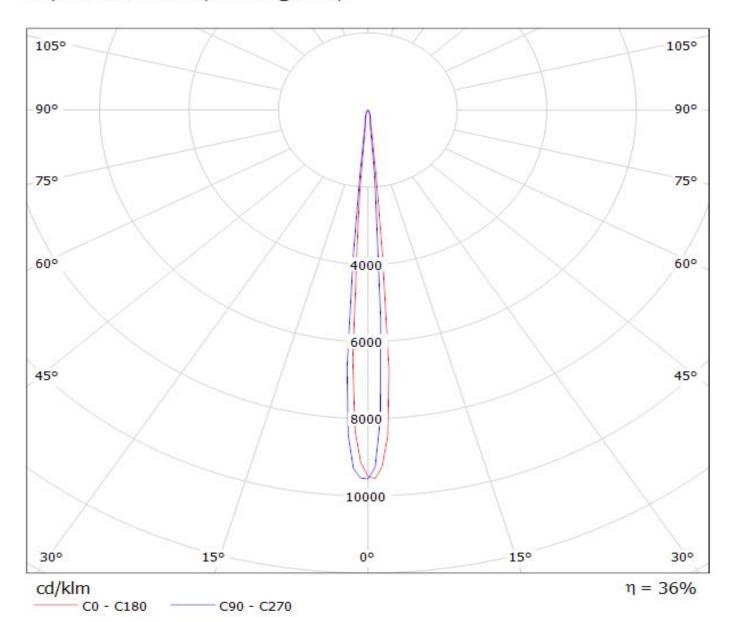


Luminaire: LEDiL Oy CN13374_LENA-X-WAS_(CL-L340) Eff.86.3% Lamps: 1 x CL-L340 (929.39Im@250mA)

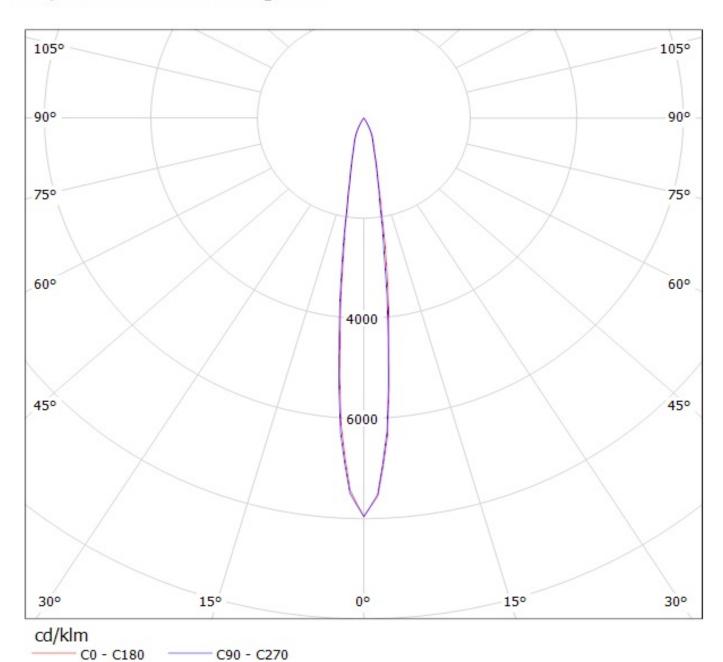


LEDIL Oy CN12367_LENA-FRESNEL-CL-L340 Eff.36.1% / LDC (Polar)

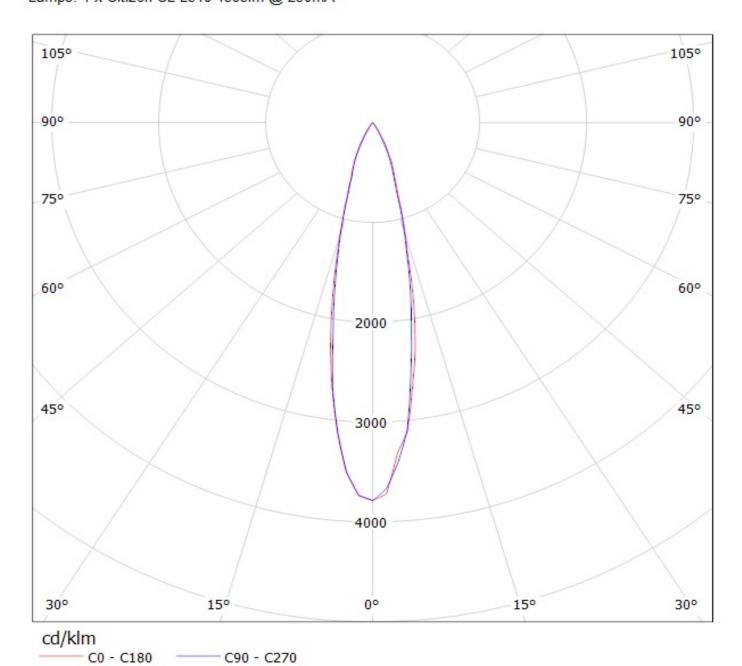
Luminaire: LEDiL Oy CN12367_LENA-FRESNEL-CL-L340 Eff.36.1% Lamps: 1 x Citizen CL-340 (1151.01lm@250mA)



Luminaire: Ledil Oy CN12112_LENA-S-DL (Citizen CL-L340 1393Im @ 250mA) Efficiency=79% Lamps: 1 x Citizen CL-L340 1393Im @ 250mA



Luminaire: Ledil Oy CN12166_LENA-M-DL (Citizen CL-L340 1393lm @ 250mA) Efficiency=78% Lamps: 1 x Citizen CL-L340 1393lm @ 250mA



Luminaire: Ledil Oy CN12113_LENA-W-DL (Citizen CL-L340 1393Im @ 250mA) Efficiency=75% Lamps: 1 x Citizen CL-L340 1393Im @ 250mA

