


Ordering number CN13166_LENA-WAS

Family	Lena	FWHM	asymmetric degrees
Type	Pack	Efficiency	83 %
LED	Soleriq E30	cd/lm	1.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	37.2 mm		
Style	Round		Reflector twist-and-locks into included base part that holds COE
Optic Material	PC		
Holder Material	-		
Fastening	Screw, socket		
Status	Ready		

Ordering number CN13176_LENA-WAS-DL

Family	Lena	FWHM	asymmetric degrees
Type	Pack	Efficiency	77 %
LED	Soleriq E30	cd/lm	0.850
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	39.3 mm		
Style	Round		Reflector twist-and-locks into included base part that holds COE
Optic Material	PC		
Holder Material	-		
Fastening	Screw, socket		
Status	Ready		

Ordering number CN13450_LENA-X-WAS

Family	Lena	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 0 %
LED	Soleriq E30	cd/lm	-
Color	White	Gerber File	Available
Diameter	111 mm		
Height	37.2 mm		
Style	Round		Reflector twist-and-locks into included base part that holds COE
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	Ready		

Ordering number CN13451_LENA-X-WAS-DL

Family	Lena	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 0 %
LED	Soleriq E30	cd/lm	-
Color	White	Gerber File	Available
Diameter	111 mm		
Height	39.3 mm		
Style	Round		Reflector twist-and-locks into included base part that holds COE
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	Ready		


Ordering number CN13107_LENA-S-DL

Family	Lena	FWHM	18 degrees
Type	Pack	Efficiency	79 %
LED	Soleriq E30	cd/lm	5.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13255_LENA-SS

Family	Lena	FWHM	18 degrees
Type	Pack	Efficiency	82 %
LED	Soleriq E30	cd/lm	5.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	84.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13256_LENA-SS-DL

Family	Lena	FWHM	19 degrees
Type	Pack	Efficiency	74 %
LED	Soleriq E30	cd/lm	3.850
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	84.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13105_LENA-M

Family	Lena	FWHM	25 degrees
Type	Pack	Efficiency	85 %
LED	Soleriq E30	cd/lm	3.350
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	84.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13108_LENA-M-DL

Family	Lena	FWHM	27 degrees
Type	Pack	Efficiency	78 %
LED	Soleriq E30	cd/lm	2.800
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13106_LENA-W

Family	Lena	FWHM	49 degrees
Type	Pack	Efficiency	82 %
LED	Soleriq E30	cd/lm	1.400
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	84.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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


Ordering number CN13109_LENA-W-DL

Family	Lena	FWHM	50 degrees
Type	Pack	Efficiency	76 %
LED	Soleriq E30	cd/lm	1.100
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, screw, socket		
Status	Ready		

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

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 30/10/2012



GENERAL INFORMATION

- Product series especially designed & optimized for Soleriq E30 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).

D

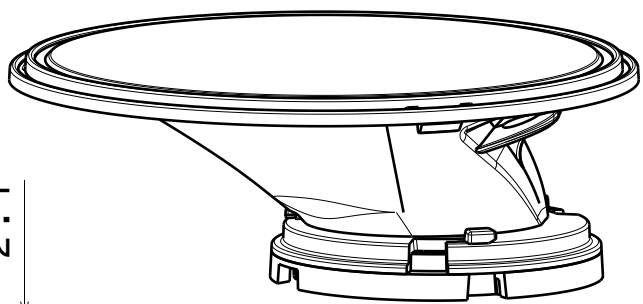
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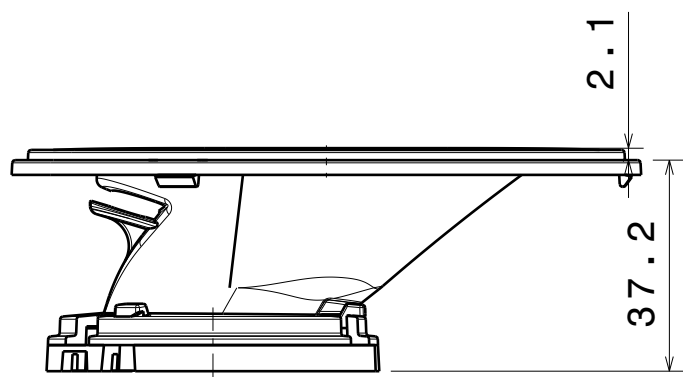
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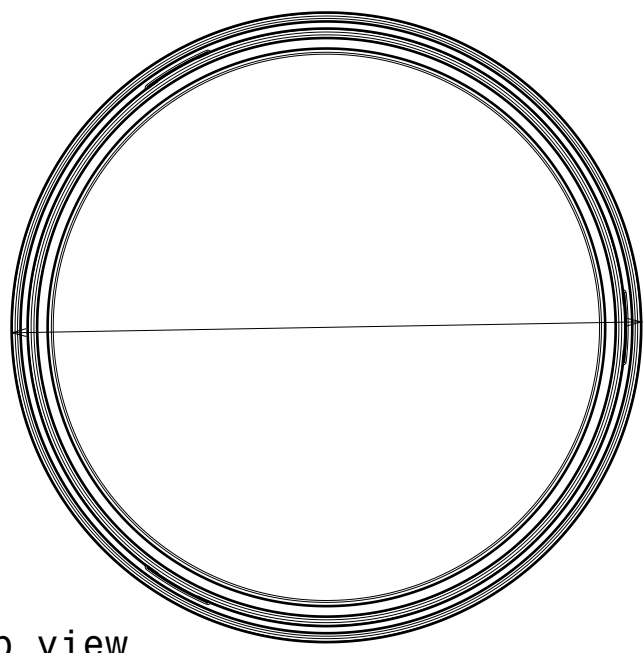
Isometric view



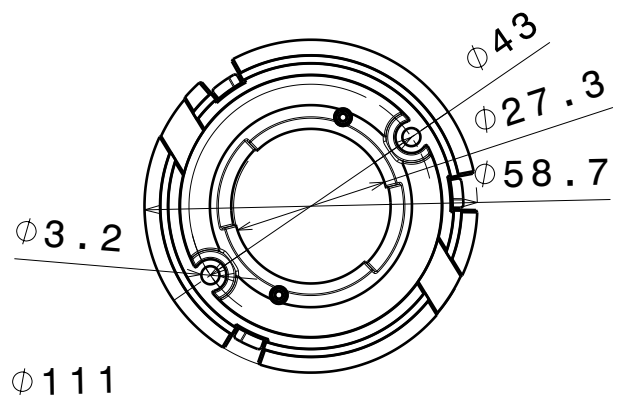
Front view

3

3



Top view



Materials

Reflector: PC
 Base part: PC
 Sublens: PC

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

2

2

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LEDiL LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE Mechanical drawing

DRAWN BY
 as

DATE
 26.9.2012

LENA-WAS

CHECKED BY
 VS

DATE
 -

SIZE
 A4

PART NUMBER

REV
 001

DESIGNED BY
 -

DATE
 -

SCALE 1:4

WEIGHT - mg

SHEET 1/1

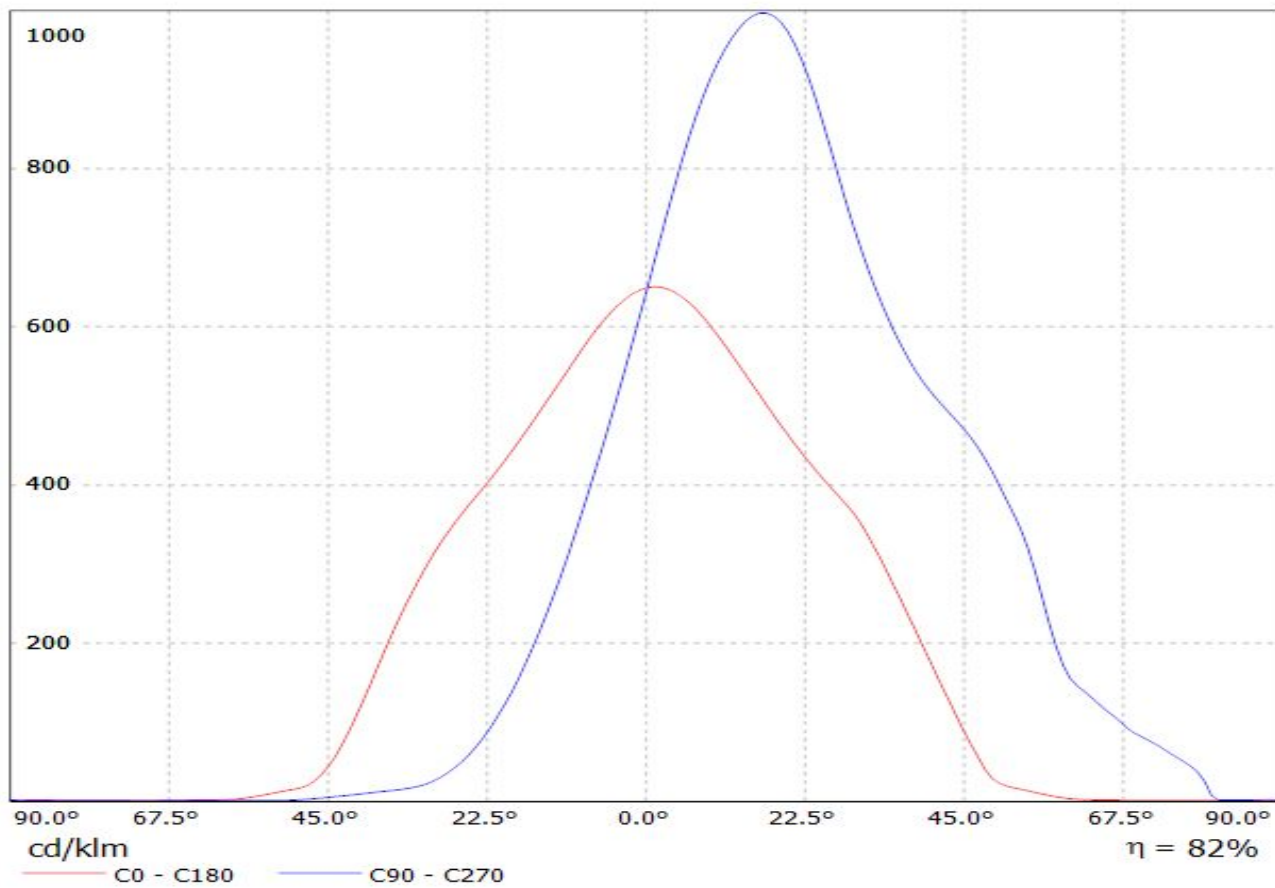
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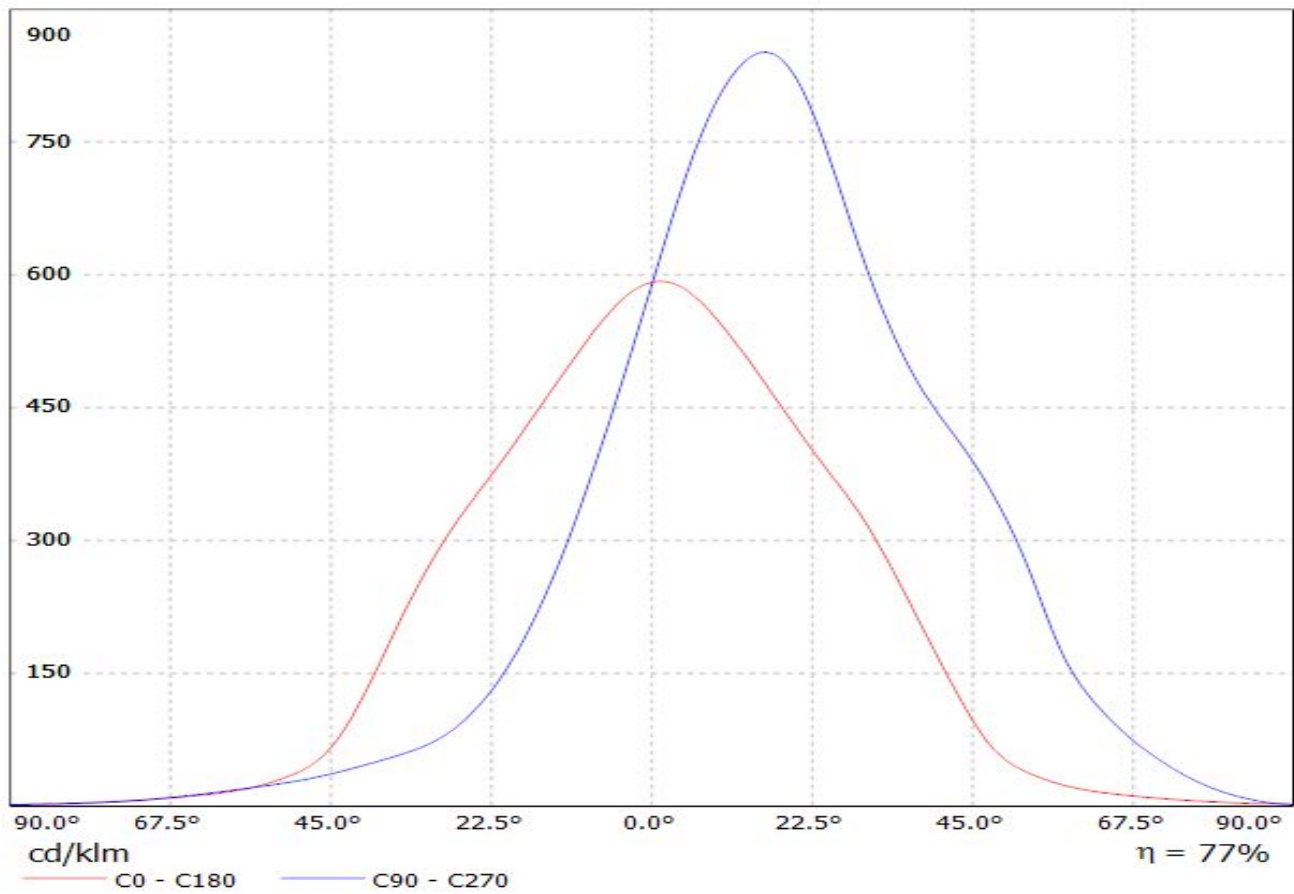
D

A

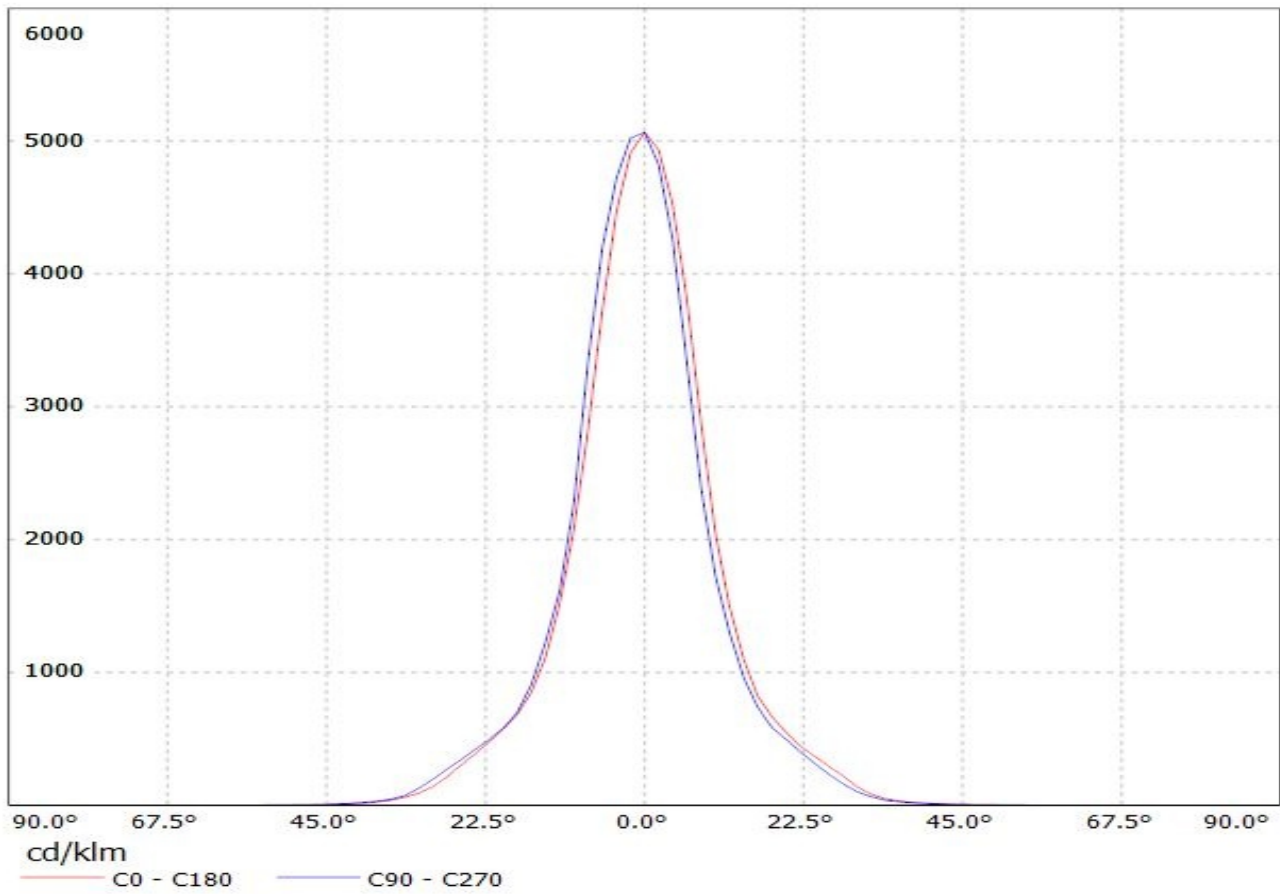
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Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



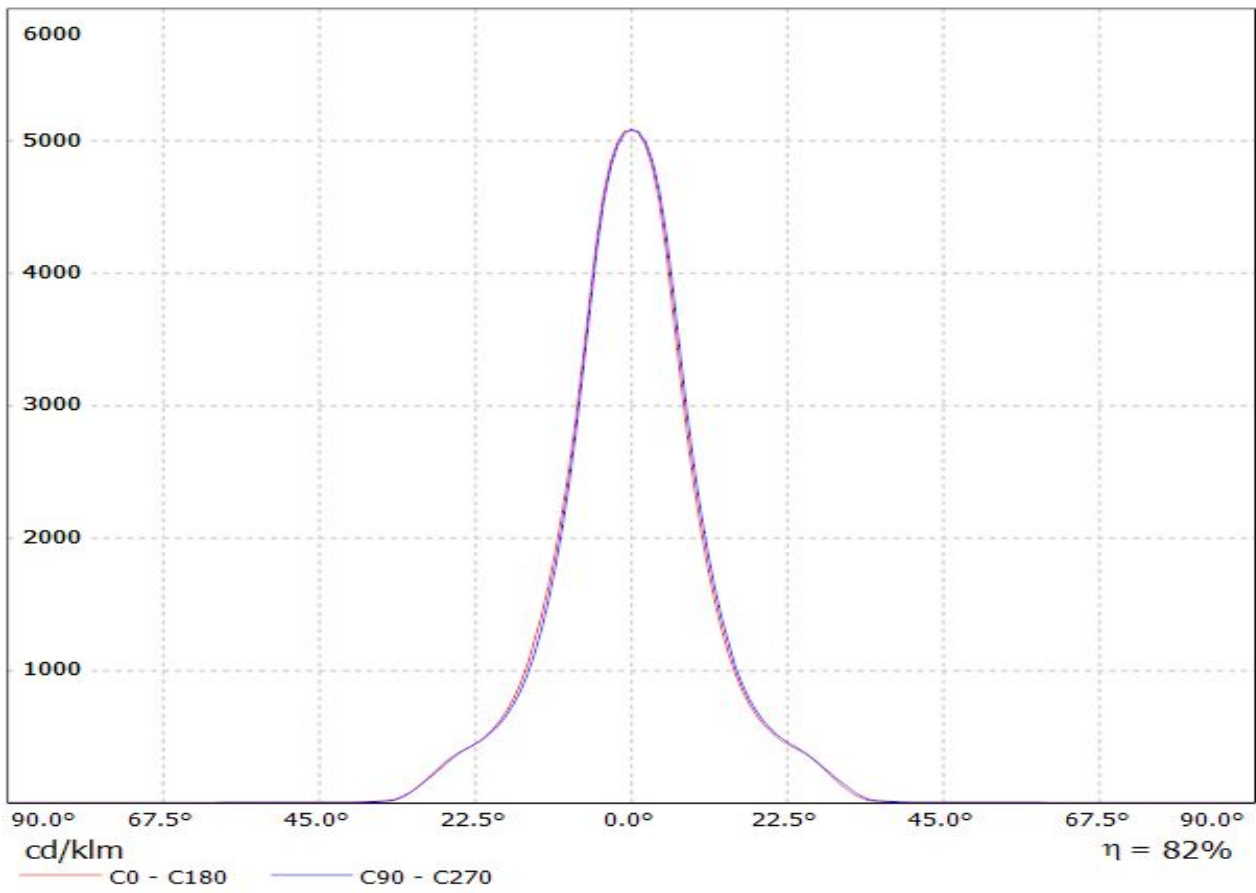
Luminaire: LEDiL Oy CN13176_LENA-WAS-DL_(SoleriqE30)
Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



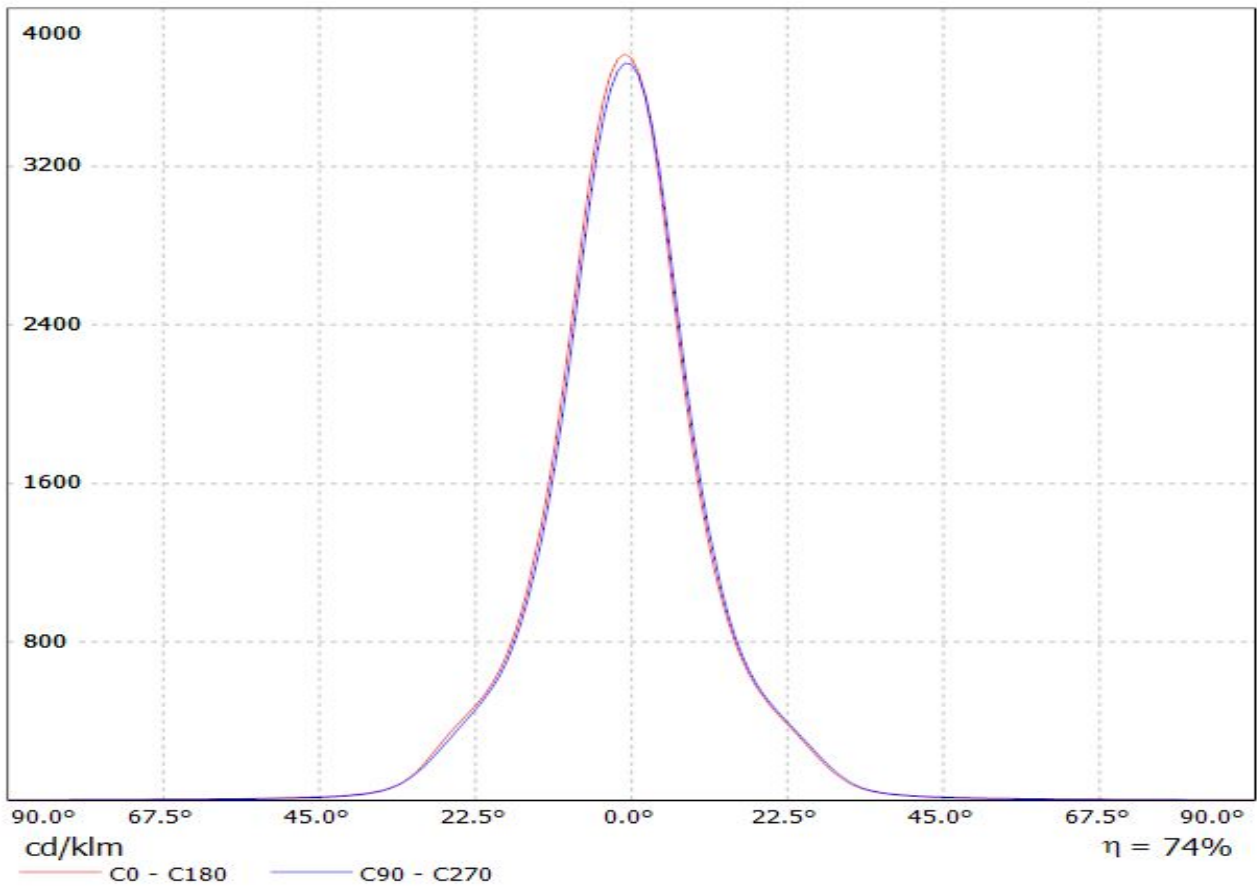
Luminaire: LEDiL CN13107_LENA-S-DL_(Soleriq_E30) Eff. 79%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



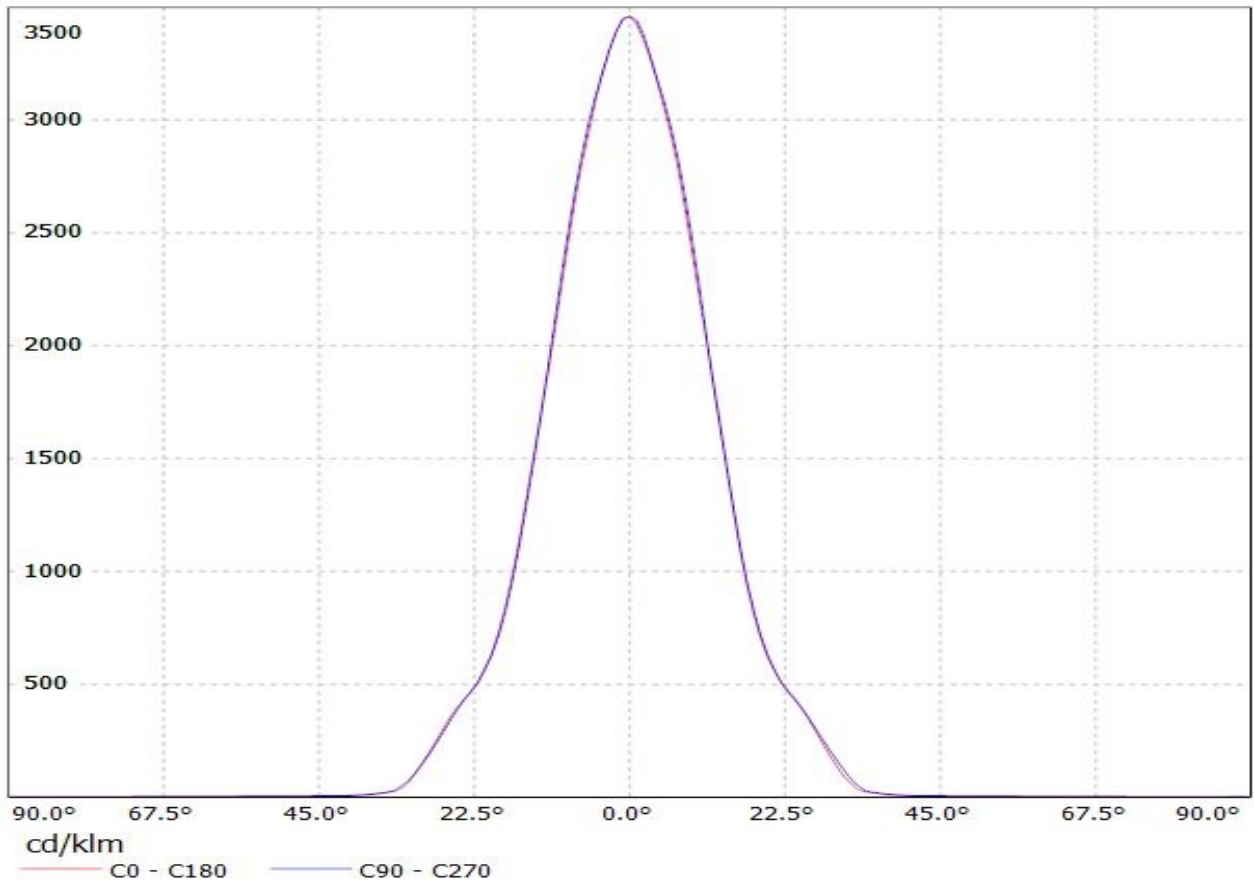
Luminaire: LEDiL Oy CN13255_LENA-SS_(SoleriqE30) Eff.82%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



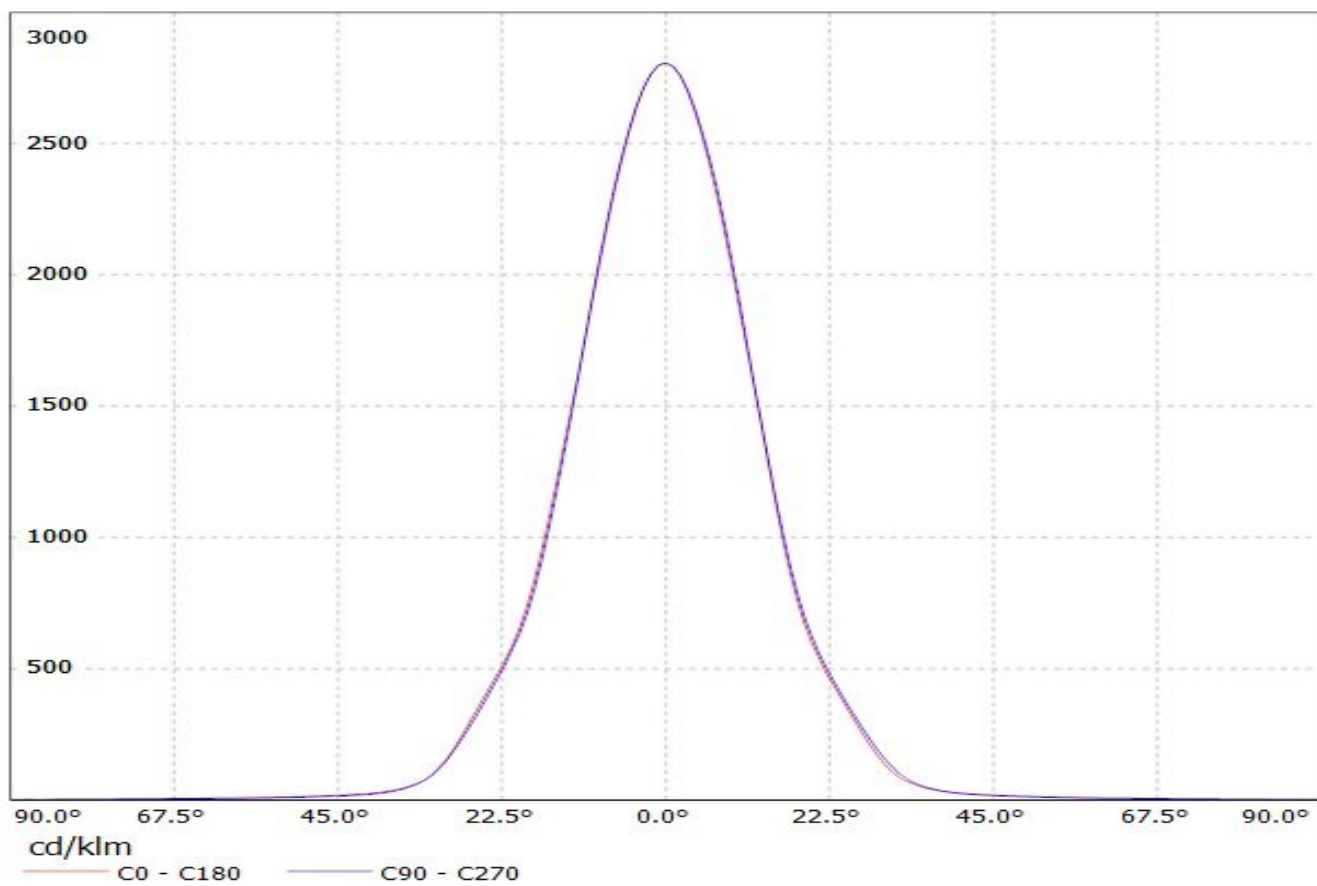
Luminaire: LEDiL Oy CN13256_LENA-SS-DL_(SoleriqE30) Eff.73.8%
Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



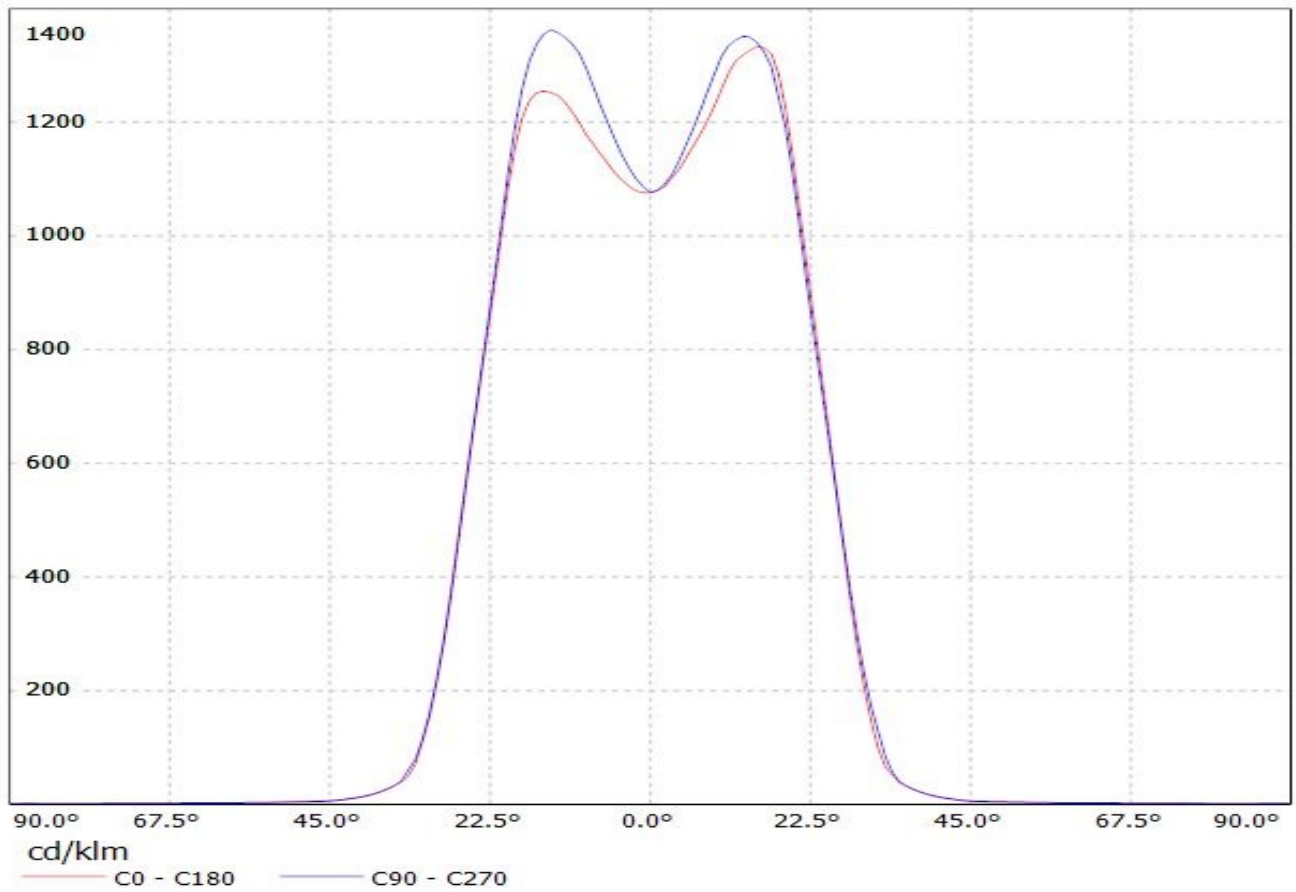
Luminaire: LEDiL Oy CN13105_LENA-M (Soleriq_E30) Eff.85%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



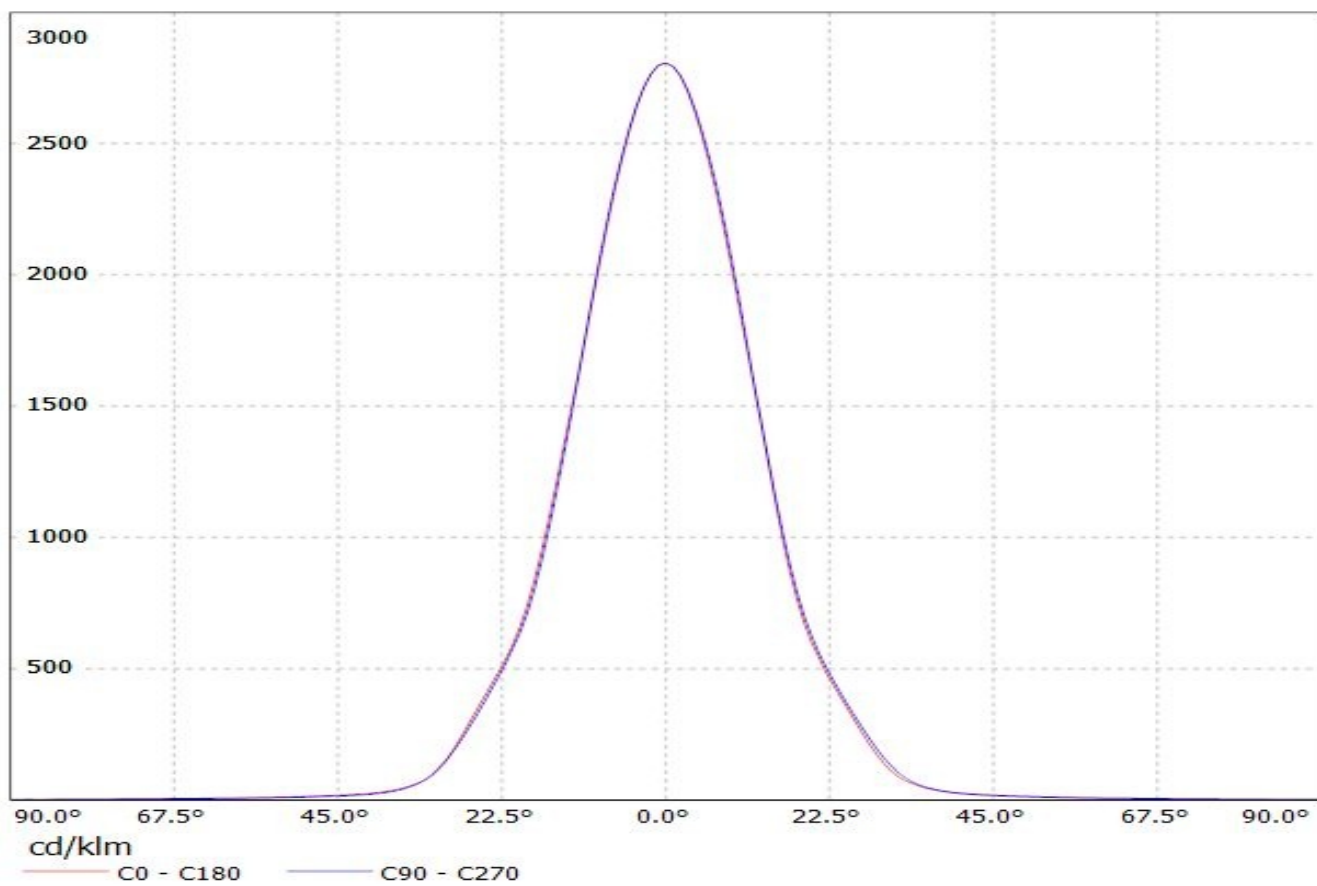
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Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



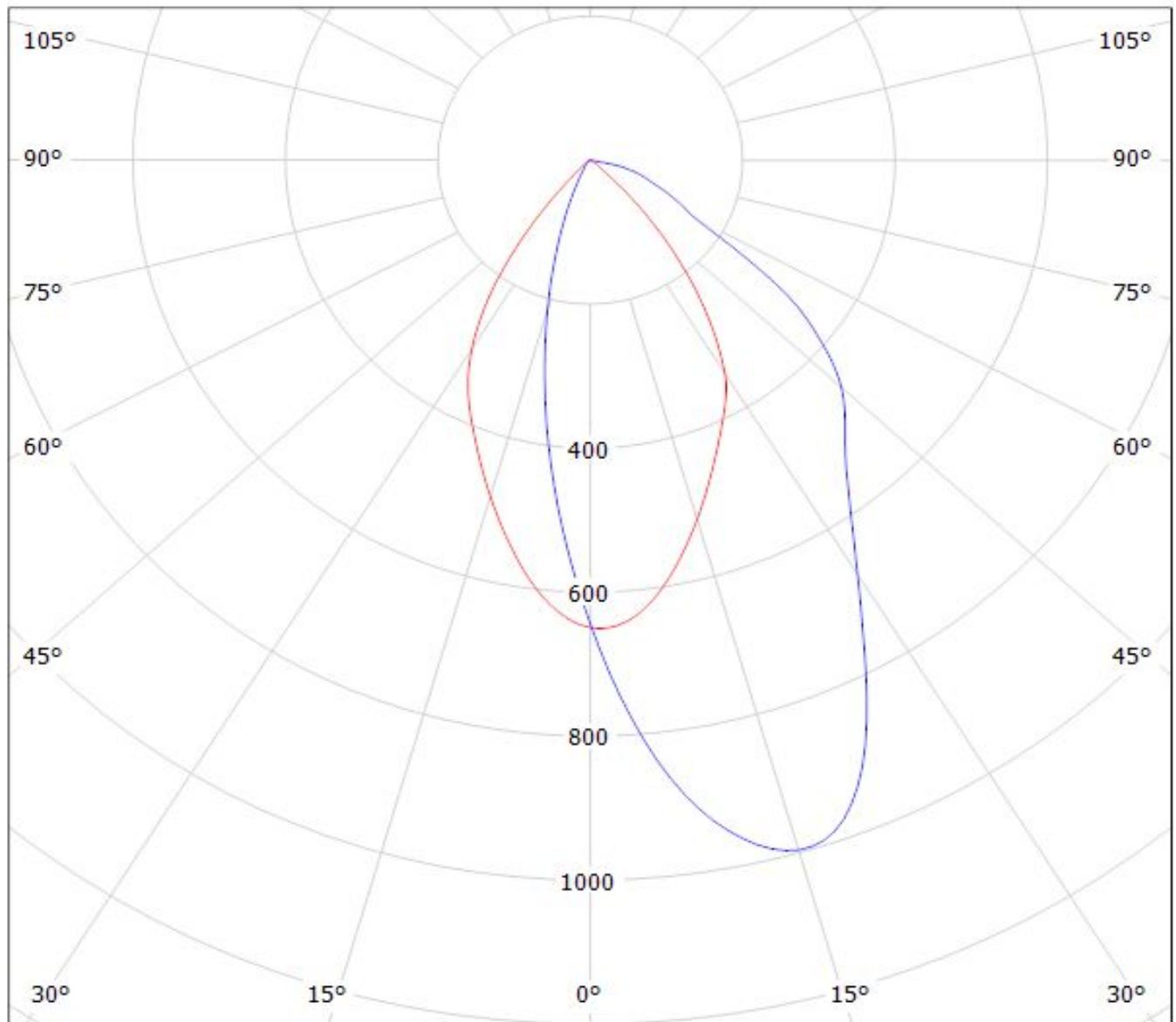
Luminaire: LEDiL Oy CN13106_LENA-W_(Soleriq_E30) Eff.82%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



Luminaire: LEDiL Oy CN13108_LENA-M-DL_(Soleriq_E30) Eff.78%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



Luminaire: LEDiL Oy CN13166 LENA-WAS_(SoleriqE30)
Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



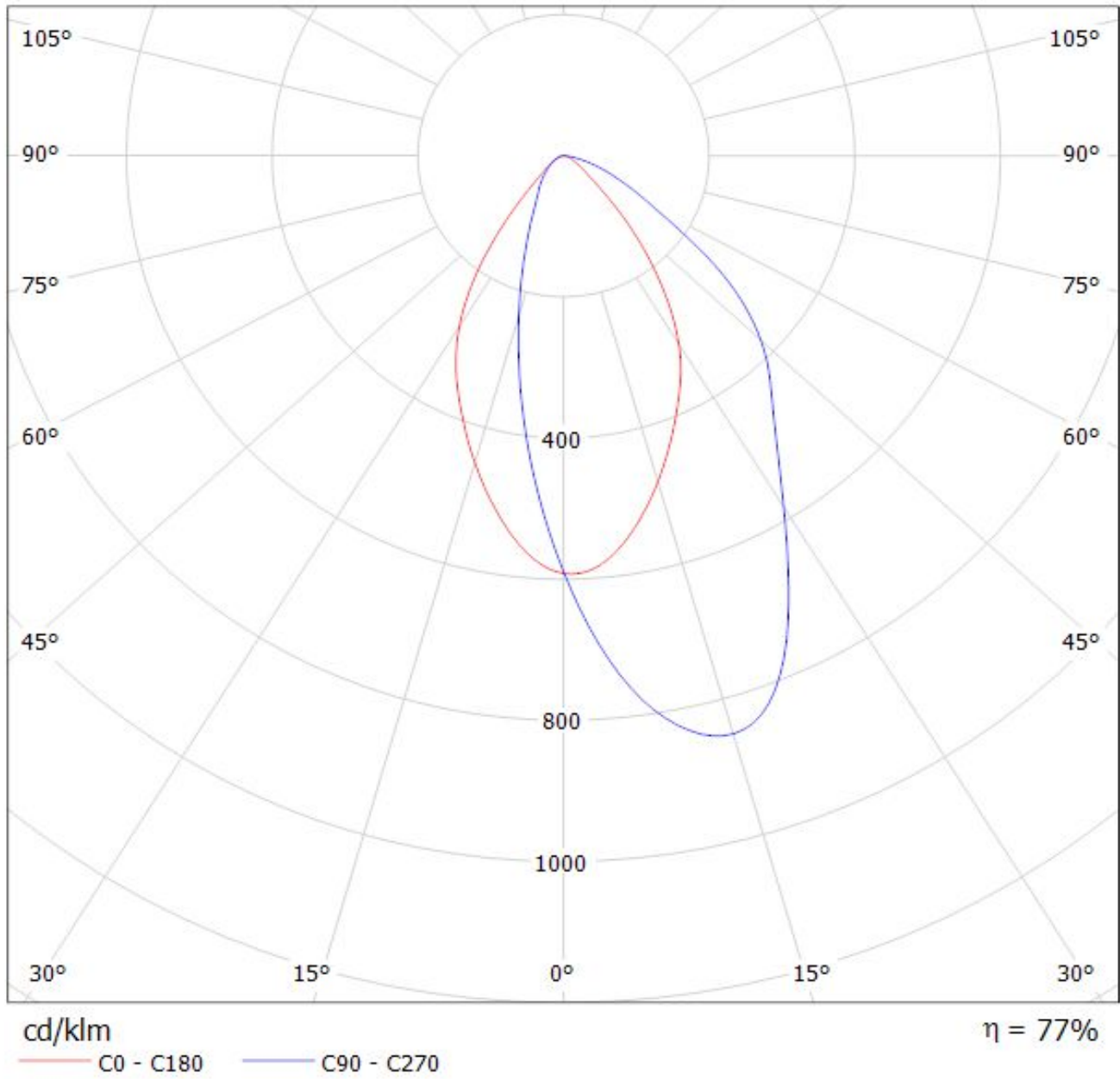
cd/klm

— C0 - C180

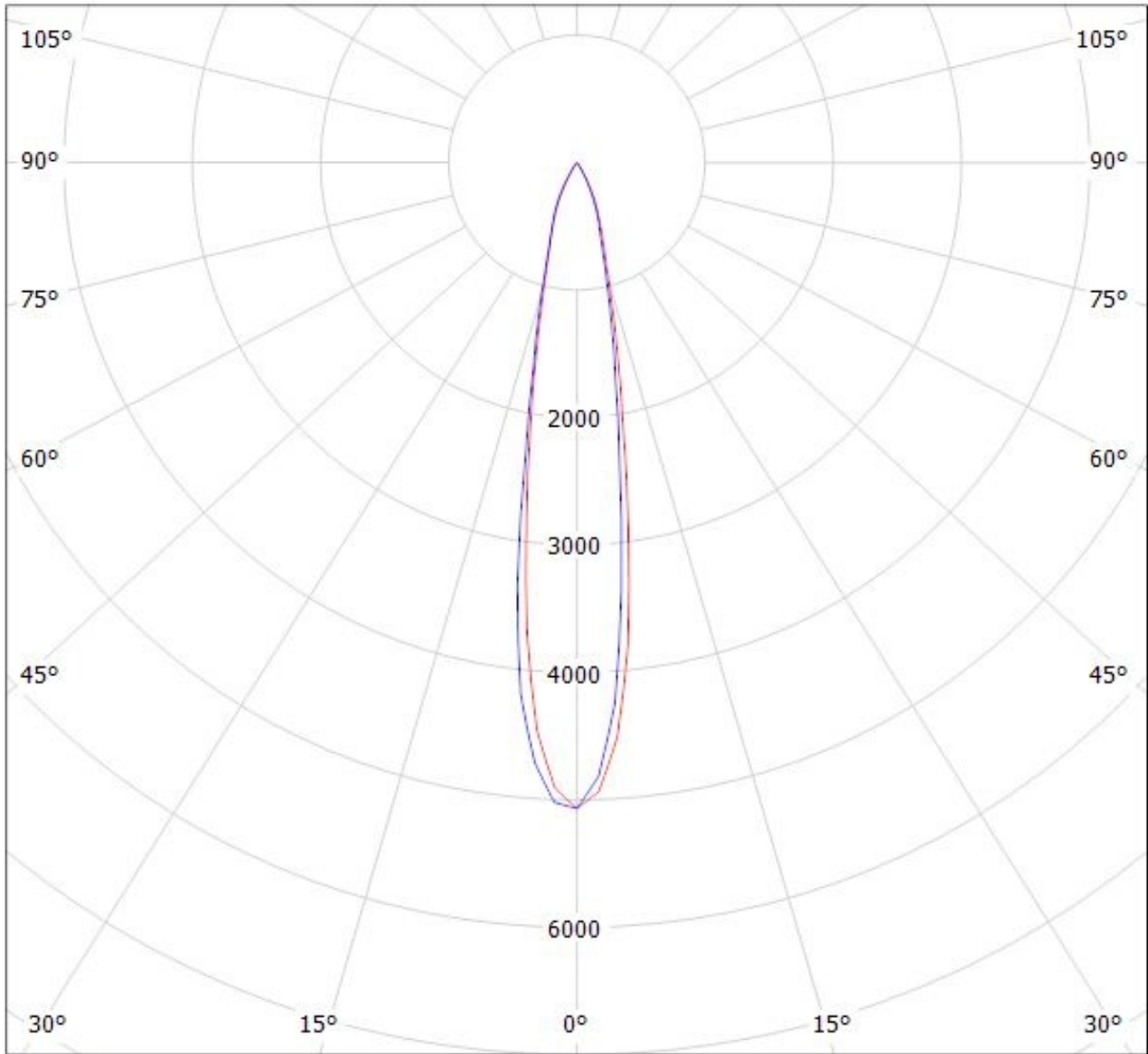
— C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy CN13176_LENA-WAS-DL_(SoleriqE30)
Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



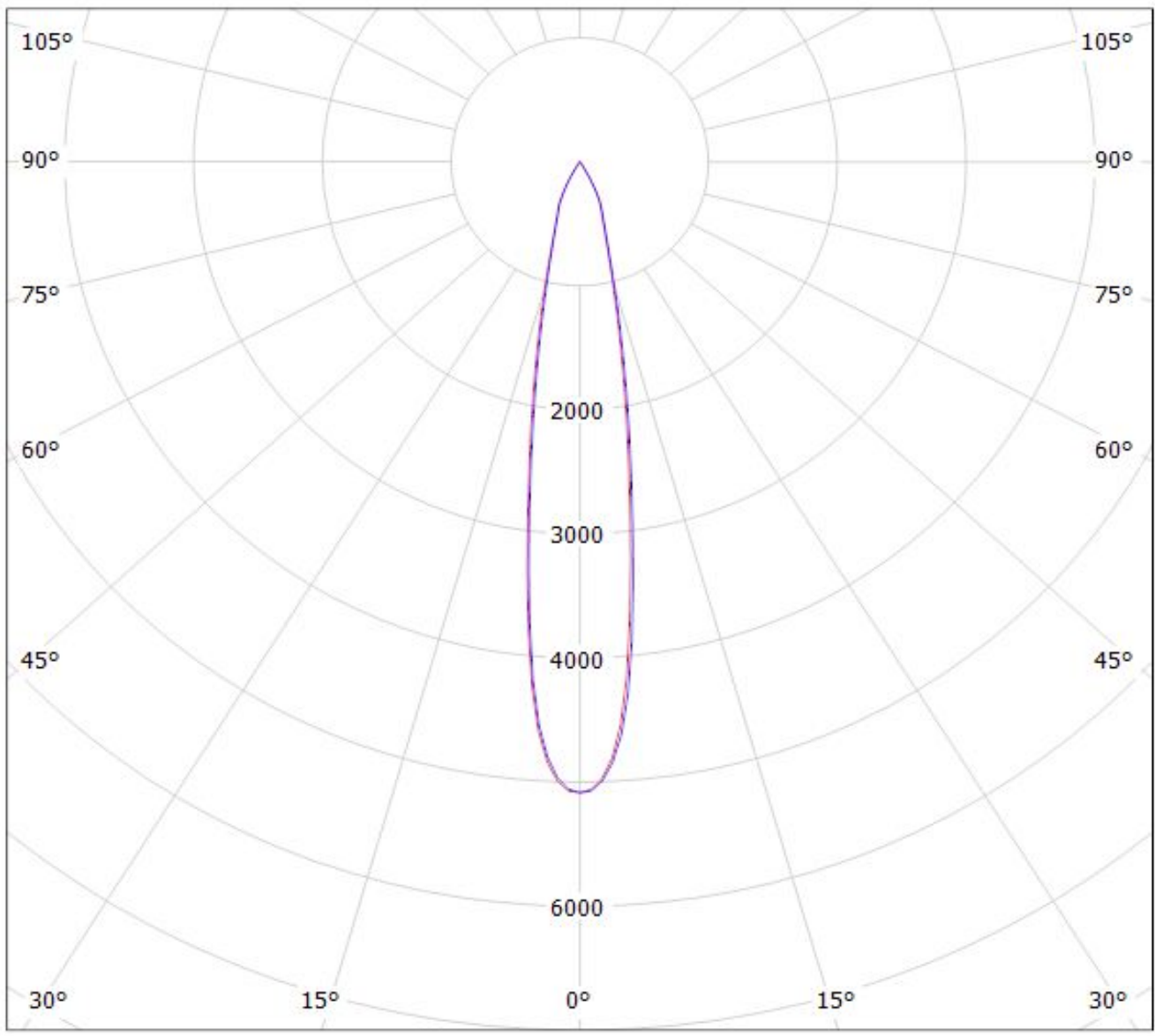
Luminaire: LEDiL CN13107_LENA-S-DL_(Soleriq_E30) Eff. 79%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN13255_LENA-SS_(SoleriqE30) Eff.82%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)

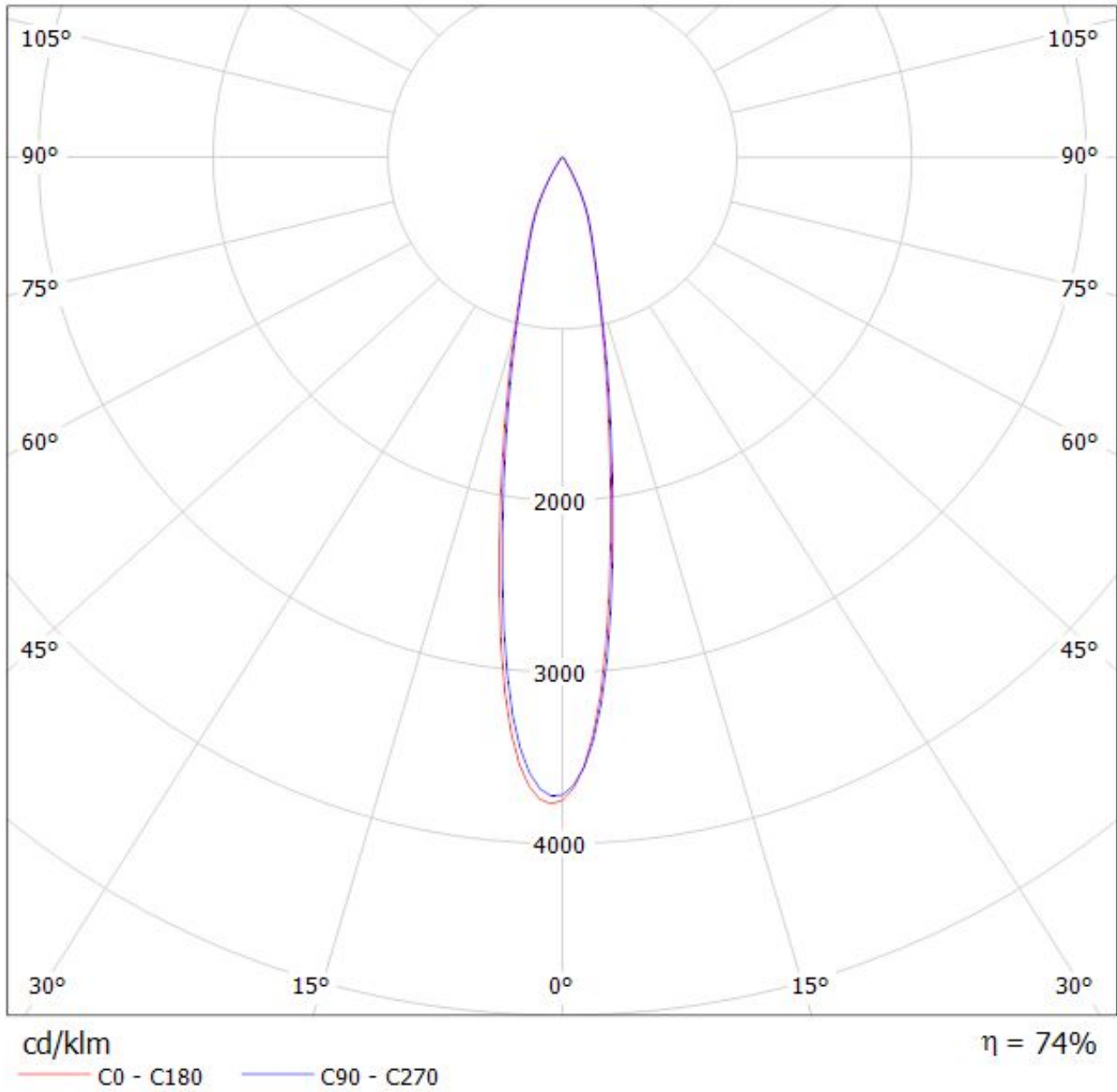


cd/klm

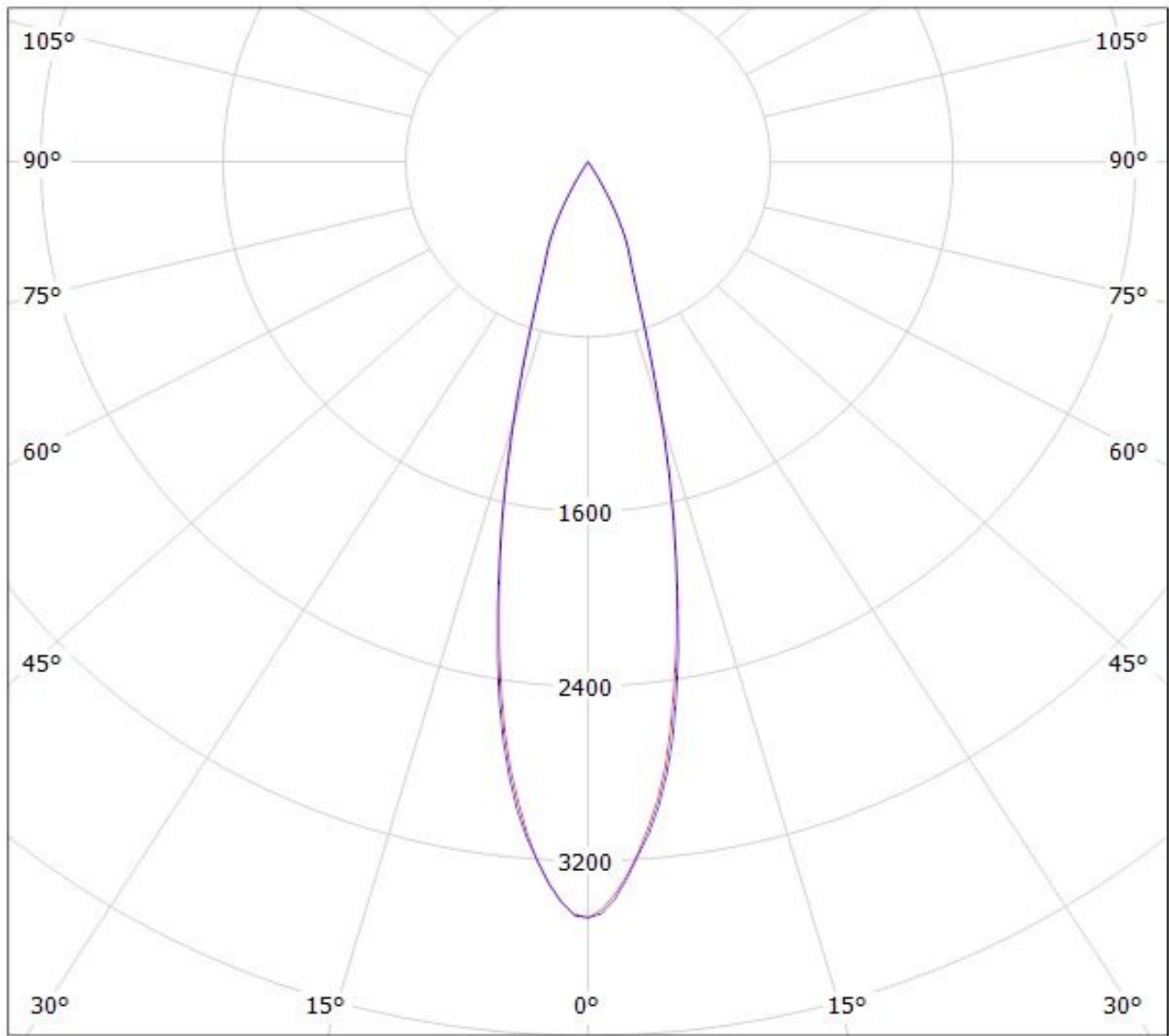
$\eta = 82\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN13256_LENA-SS-DL_(SoleriqE30) Eff.73.8%
Lamps: 1 x Osram Soleriq E30 (1262.22lm@250mA)



Luminaire: LEDiL Oy CN13105_LENA-M_(Soleriq_E30) Eff.85%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)

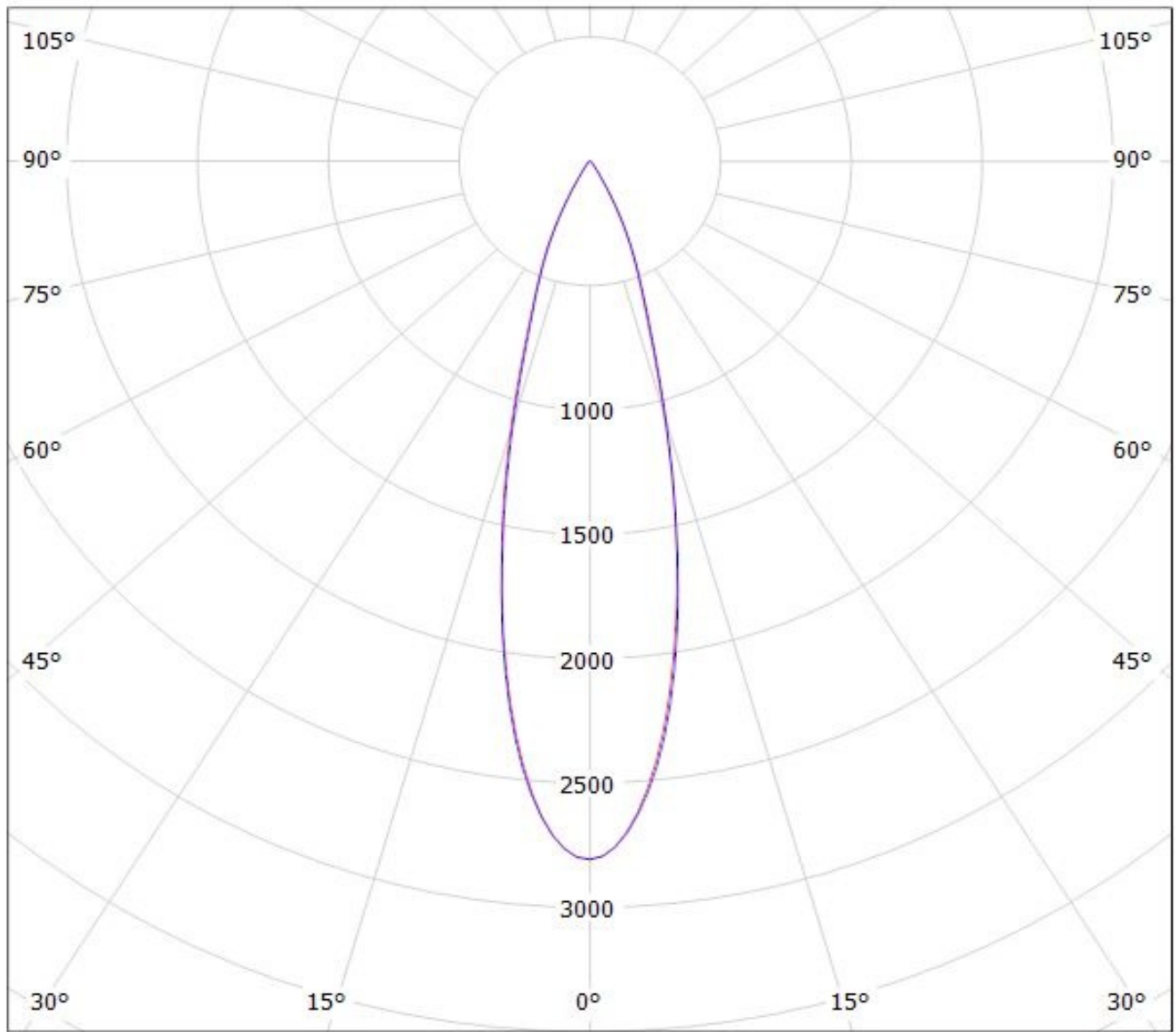


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN13108_LENA-M-DL_(Soleriq_E30) Eff.78%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)

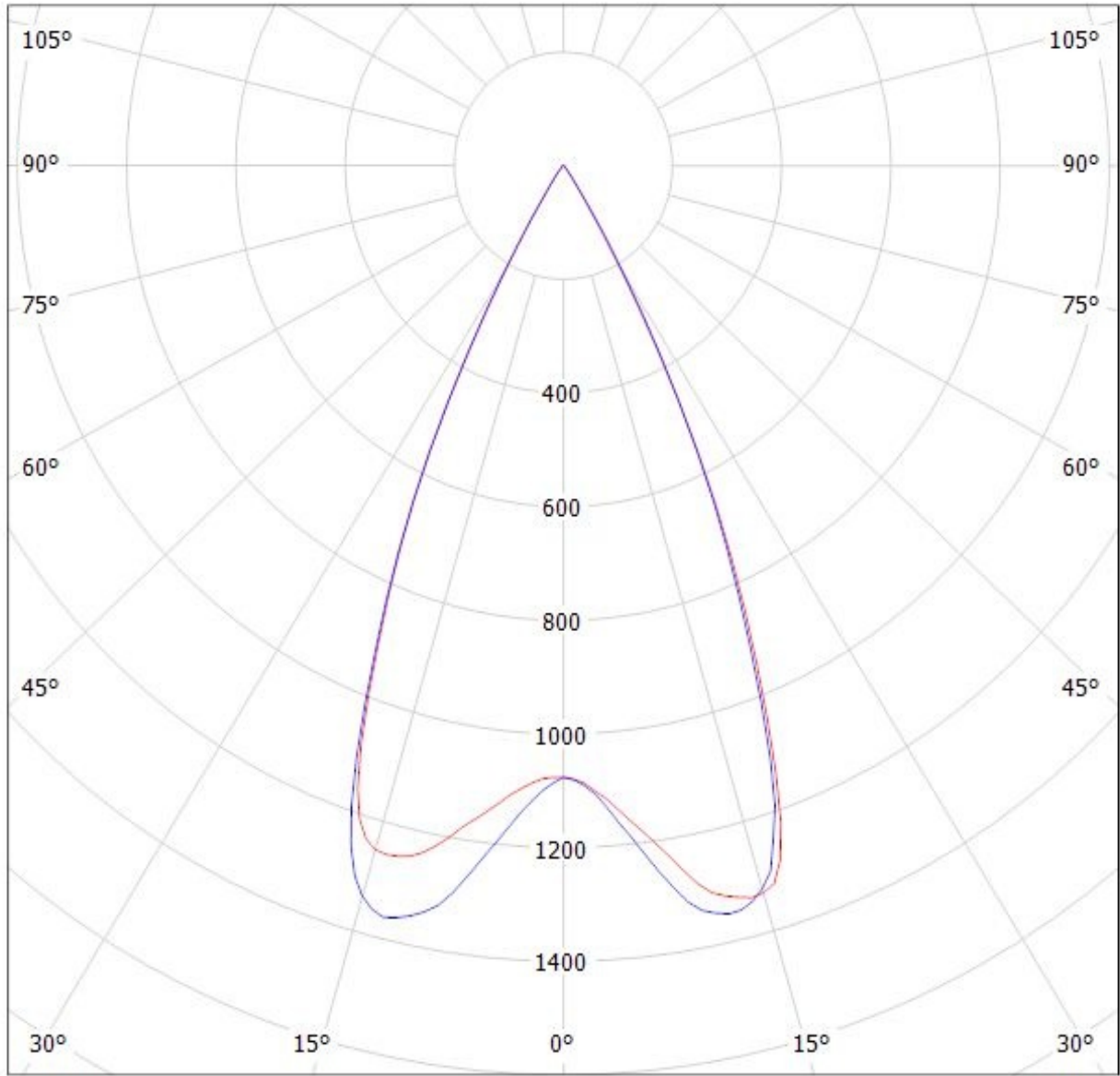


cd/klm

— C0 - C180

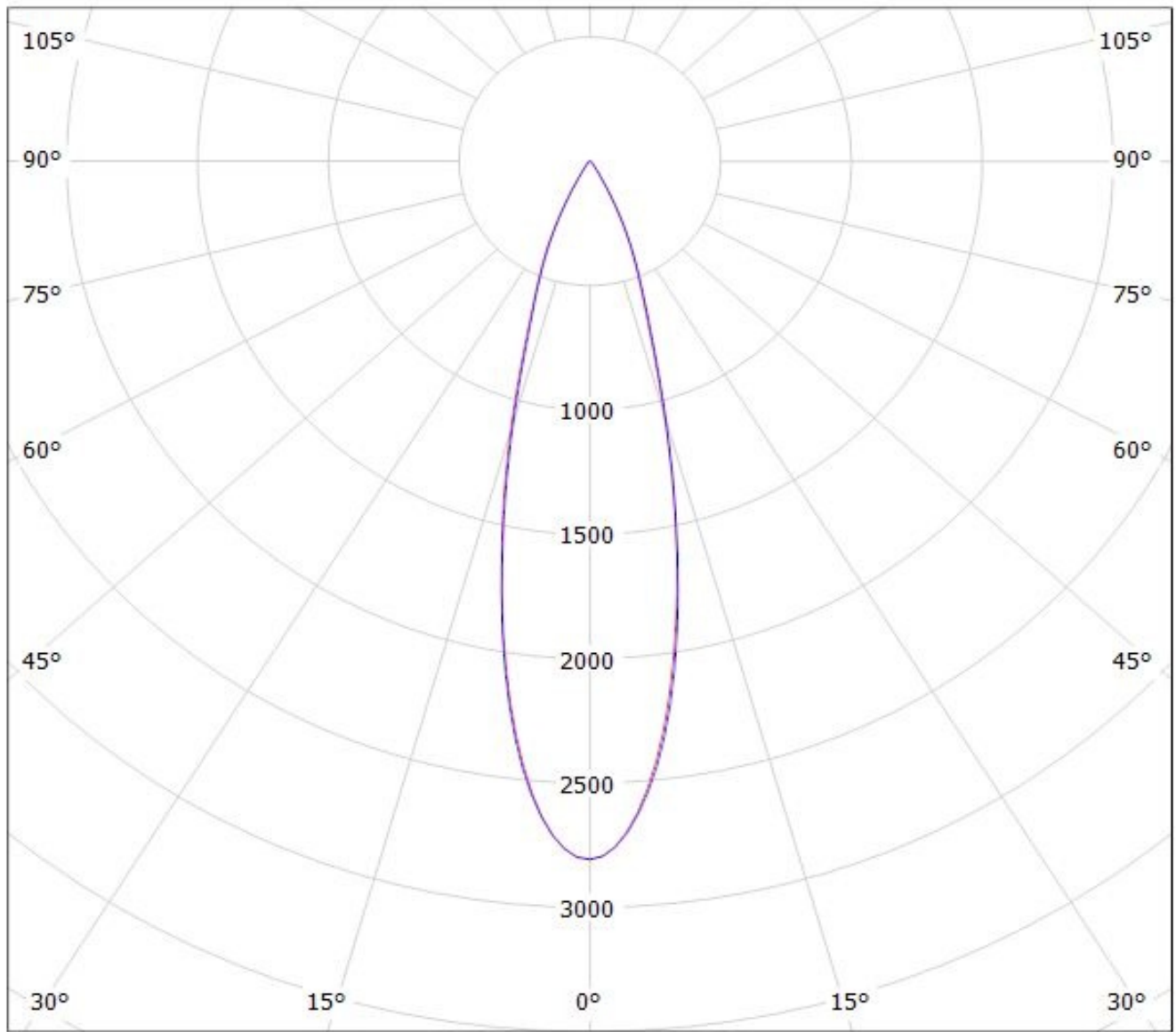
— C90 - C270

Luminaire: LEDiL Oy CN13106_LENA-W_(Soleriq_E30) Eff.82%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN13108_LENA-M-DL_(Soleriq_E30) Eff.78%
Lamps: 1 x Osram Soleriq E30 (1240lm@250mA)



cd/klm

— C0 - C180 — C90 - C270