

**Product number C11889\_STRADA-SQ-T-DN**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 93 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	7.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin", "glue"]		
Status	Production ready		

**Product number CA11890\_STRADA-SQ-T-DN**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 93 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	8.05 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape", "screw"]		
Status	Production ready		

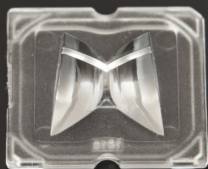
**Product number C11891\_STRADA-SQ-T-DW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 91 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	12.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw", "glue"]		
Status	Production ready		

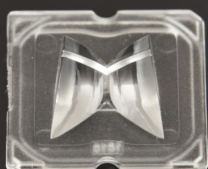
Designed for European streetlighting.

**Product number CA11892\_STRADA-SQ-T-DW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 91 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	12.65 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape", "screw"]		
Status	Production ready		

**Product number C11962\_STRADA-SQ-T-DW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 89 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm	Designed for USA streetlighting.	
Height	11.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "glue", "pin"]		
Status	Production ready		

**Product number CA11963\_STRADA-SQ-T-DW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 90 %
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm	Designed for US street lighting.	
Height	11.65 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin", "screw"]		
Status	Production ready		

**Product number C14165\_STRADA-2X2-ME-WIDE2**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 90 %
LED	XP-L	cd/Im	(simulated) 0.660
Color	Clear	Gerber File	Available
Diameter	50x50 mm	Optical measurement done with a flat cover glass.	
Height	7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number C15014\_STRADA-2X2-T4-B**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	-
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	9.02 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

**Product number C15594\_STRADA-2X2-MEW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	-
LED	XP-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	50x50 mm	Optical simulation done with a flat cover glass.	
Height	10.16 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CA12087\_STRADA-FW**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	93 %
LED	XP-L	cd/Im	0.670
Color	Clear	Gerber File	Available
Diameter	19.6 x 15.5 mm	<a href="http://www.ledil.fi/Strada-F_Fully_Asymmetrical_Forward_Throw_Lens_Family">http://www.ledil.fi/Strada-F_Fully_Asymmetrical_Forward_Throw_Lens_Family</a>	
Height	10.8 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin", "screw"]		
Status	Production ready		

**Product number C12360\_STRADA-2X2-DNW**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-L	cd/Im	0.470
Color	Clear	Gerber File	Available
Diameter	50x50 mm	<a href="http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html">http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html</a>	
Height	11.27 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

**Product number C12362\_STRADA-2X2-DWC**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-L	cd/Im	0.510
Color	Clear	Gerber File	Available
Diameter	50x50 mm	<a href="http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html">http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html</a>	
Height	6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

**Product number C12419\_STRADA-2X2-A-T**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-L	cd/Im	0.670
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.3 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

<http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html>

**Product number C12726\_STRADA-SQ-T-DWC**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.700
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

**Product number CA13119\_STRADA-SQ-A-T**

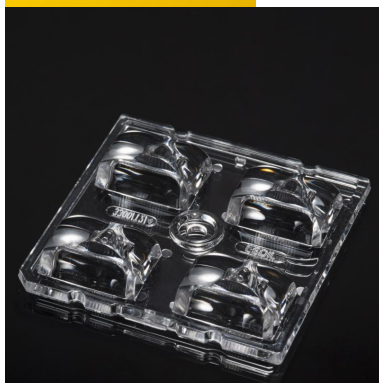
Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	93 %
LED	XP-L	cd/Im	0.700
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	9.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape", "screw"]		
Status	Production ready		

**Product number C13299\_STRADA-2X2-ME**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-L	cd/Im	0.720
Color	Clear	Gerber File	Available
Diameter	50 + 50 mm		
Height	7.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

Designed for European ME road lighting classes.  
Optimized for luminaires using transparent flat cover.



**Product number C13300\_STRADA-2X2-T2**

Family Strada  
 Type Lens array  
 LED XP-L  
 Color Clear  
 Diameter 50 + 50 mm  
 Height 7.7 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin", "screw"]  
 Status Production ready

FWHM asymmetric degrees  
 Efficiency 94 %  
 cd/Im 0.830  
 Gerber File Available

IESNA Type II Street light optic

Suitable for narrow roads and pedestrian pathways.

**Product number C13301\_STRADA-2X2-T3**

Family Strada  
 Type Lens array  
 LED XP-L  
 Color Clear  
 Diameter 50 x 50 mm  
 Height 7.1 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin", "screw"]  
 Status Production ready

FWHM asymmetric degrees  
 Efficiency 94 %  
 cd/Im 0.540  
 Gerber File Available

IESNA Type III Street light optic

**Product number C13604\_STRADA-2X2-FN**

Family Strada  
 Type Lens array  
 LED XP-L  
 Color Clear  
 Diameter 50 + 50 mm  
 Height 10 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin", "screw"]  
 Status Production ready

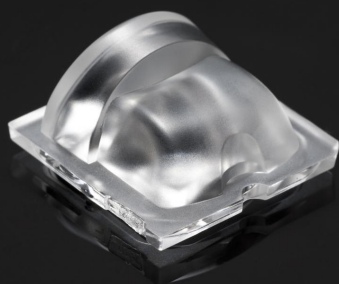
FWHM Asymmetric degrees  
 Efficiency 94 %  
 cd/Im 0.960  
 Gerber File Available

Forward throw optic

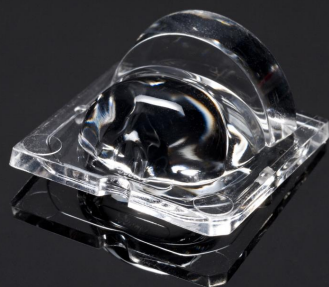
**Product number C13699\_STRADA-2X2-DN**

Family Strada  
 Type Lens array  
 LED XP-L  
 Color Clear  
 Diameter 50 x 50 mm  
 Height 8.05 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["pin", "screw"]  
 Status Production ready

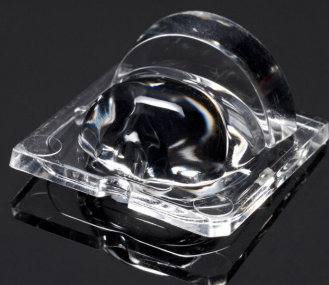
FWHM Asymmetric degrees  
 Efficiency 94 %  
 cd/Im 0.620  
 Gerber File Available

**Product number CA13752\_STRADA-SQ-FT**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	91 %
LED	XP-L	cd/Im	0.700
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	12.7 mm		
Style	Square		
Optic Material	-		
Holder Material	-		
Fastening	["pin", "screw", "tape"]		
Status	Production ready		

**Product number C13757\_STRADA-SQ-FS-NP**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	1.100
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	12.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CA13758\_STRADA-SQ-FS-NP**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	93 %
LED	XP-L	cd/Im	1.100
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	12.6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number C13805\_STRADA-2X2-T4**

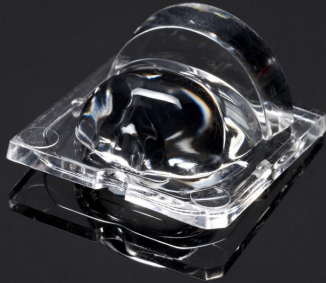
Family	Strada	FWHM	asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.520
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

<http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html>

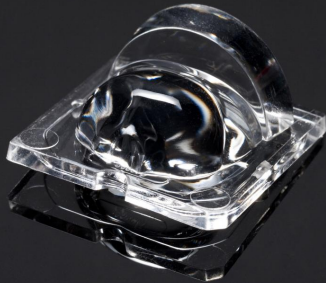
# PRODUCT DATASHEET

## Strada series

last update 20/9/2016

**Product number C13896\_STRADA-SQ-FS**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	1.000
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	12.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "glue"]		
Status	Production ready		

**Product number CA13897\_STRADA-SQ-FS**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	93 %
LED	XP-L	cd/Im	1.100
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	12.6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CS14055\_STRADA-IP-2X6-T2**

Family	Strada	FWHM	asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.770
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	9.17 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		

Silicone sealed wide asymmetric street light array for road widths that are approximately 1 mounting height unit.  
[http://www.ledil.com/lett/application\\_engineering/6ad92a-AN%20Strada-IP2X6%20Installation%20guide%20041214.pdf](http://www.ledil.com/lett/application_engineering/6ad92a-AN%20Strada-IP2X6%20Installation%20guide%20041214.pdf)>Assembly guide</a>

**Product number C14116\_STRADA-2X2-PX**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.800
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

Double assymetric beam designed for pedestrian crossings.

**Product number CS14143\_STRADA-IP-2X6-T3**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.580
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	8.5 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CS14144\_STRADA-IP-2X6-ME**

Family	Strada	FWHM	asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.620
Color	White	Gerber File	Available
Diameter	71.4x173 mm		
Height	8.42 mm		
Style	Rectang		
Optic Material	-		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number C14164\_STRADA-2X2-ME-WIDE1**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	83 %
LED	XP-L	cd/Im	0.660
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		

Optical measurement done with a flat cover glass.

**Product number C15021\_STRADA-2X2-SCL**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.900
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	7.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

Street lighting beam.

Designed for long pole distance and pedestrian lane lighting installations.



**Product number C15021\_STRADA-2X2-SCL**

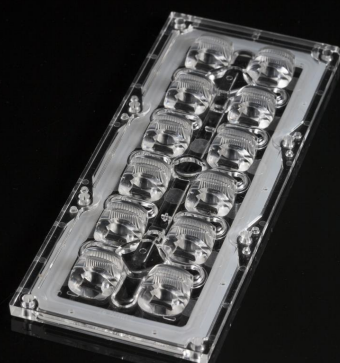
Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	78 %
LED	XP-L	cd/Im	0.550
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	7.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

Street lighting beam.

Designed for long pole distance and pedestrian lane lighting installations.

**Product number C15135\_STRADA-2X2-T1**

Family	Strada	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	1.170
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.78 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number CS15158\_STRADA-IP-2X6-T4-B**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	90 %
LED	XP-L	cd/Im	0.640
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	10.57 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN15180\_STRADA-2X2S-T3**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Pack	Efficiency	(simulated) 90 %
LED	XP-L	cd/Im	(simulated) 0.410
Color	Clear	Gerber File	Available
Diameter	50+50 mm		
Height	7.23 mm		
Style	Rectang		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

lesna type 3 medium light distribution in typical setup.

M3 screw with ~7mm washer recommended.

**Product number CS15362\_STRADA-IP-2X6-T3-B**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	93 %
LED	XP-L	cd/Im	0.540
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	12.75 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CS15363\_STRADA-IP-2X6-T2-B**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.770
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	12.03 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CS15418\_STRADA-IP-2X6-SCL**

Family	Strada	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.710
Color	Clear	Gerber File	Available
Diameter	173x71.4 mm		
Height	9.6 mm		
Style	Rectang		
Optic Material	-		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number CS15689\_STRADA-IP-2X6-FW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 90 %
LED	XP-L	cd/Im	(simulated) 0.730
Color	Clear	Gerber File	Available
Diameter	173x71.4 mm		
Height	13.1 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number CS15886\_STRADA-IP-2X6-T2-B-90**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 94 %
LED	XP-L	cd/Im	(simulated) 0.680
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	12.03 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CS15887\_STRADA-IP-2X6-T3-B-90**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 93 %
LED	XP-L	cd/Im	(simulated) 0.510
Color	Clear	Gerber File	Available
Diameter	71.4x173 mm		
Height	12.75 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CA14843\_STRADA-B2**

Family	Strada	FWHM	113+50 degrees
Type	Assembly	Efficiency	89 %
LED	XP-L	cd/Im	0.560
Color	Clear	Gerber File	Available
Diameter	19.6 x 15.5 mm		
Height	5.2 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

XP-L optimized version.

**Product number CA14219\_STRADA-SQ-CY**

Family	Strada	FWHM	118+127 degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.400
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	10.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin", "screw"]		
Status	Production ready		



**Product number C13866\_STRADA-SQ-CY**

Family	Strada	FWHM	120+131 degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.400
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	10.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin", "glue"]		
Status	Production ready		

**Product number C13499\_STRADA-2X2-CY**

Family	Strada	FWHM	131 degrees
Type	Lens array	Efficiency	94 %
LED	XP-L	cd/Im	0.320
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.85 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

<http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html>

**Product number C13937\_STRADA-2X2-C-STP**

Family	Strada	FWHM	139 degrees
Type	Lens	Efficiency	92 %
LED	XP-L	cd/Im	0.280
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm		
Height	6.27 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

<http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html>

**Product number CS15020\_STRADA-IP-2X6-VSM**

Family	Strada	FWHM	145 degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.410
Color	Clear	Gerber File	Available
Diameter	173 + 71.4 mm		
Height	9 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		



**Product number CA12891\_STRADA-SQ-VSM**

Family	Strada	FWHM	150 degrees
Type	Assembly	Efficiency	94 %
LED	XP-L	cd/Im	0.500
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	6.95 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin", "tape"]		
Status	Production ready		

**Product number C12727\_STRADA-SQ-VSM**

Family	Strada	FWHM	152 degrees
Type	Lens	Efficiency	94 %
LED	XP-L	cd/Im	0.480
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	6.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		

**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

### Strada series

last update 20/9/2016

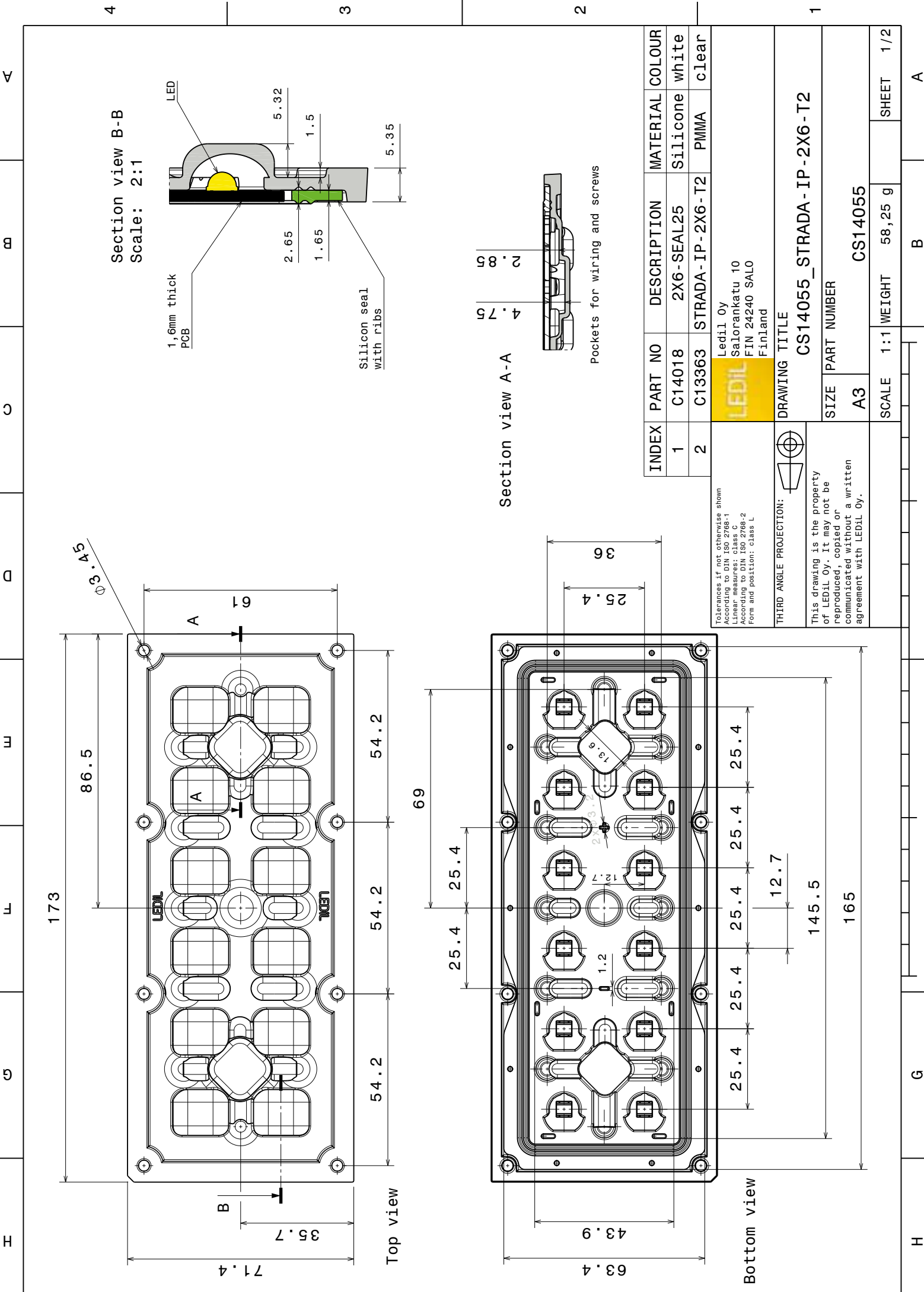
#### GENERAL INFORMATION

- Product series especially designed & optimized for XP-L series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

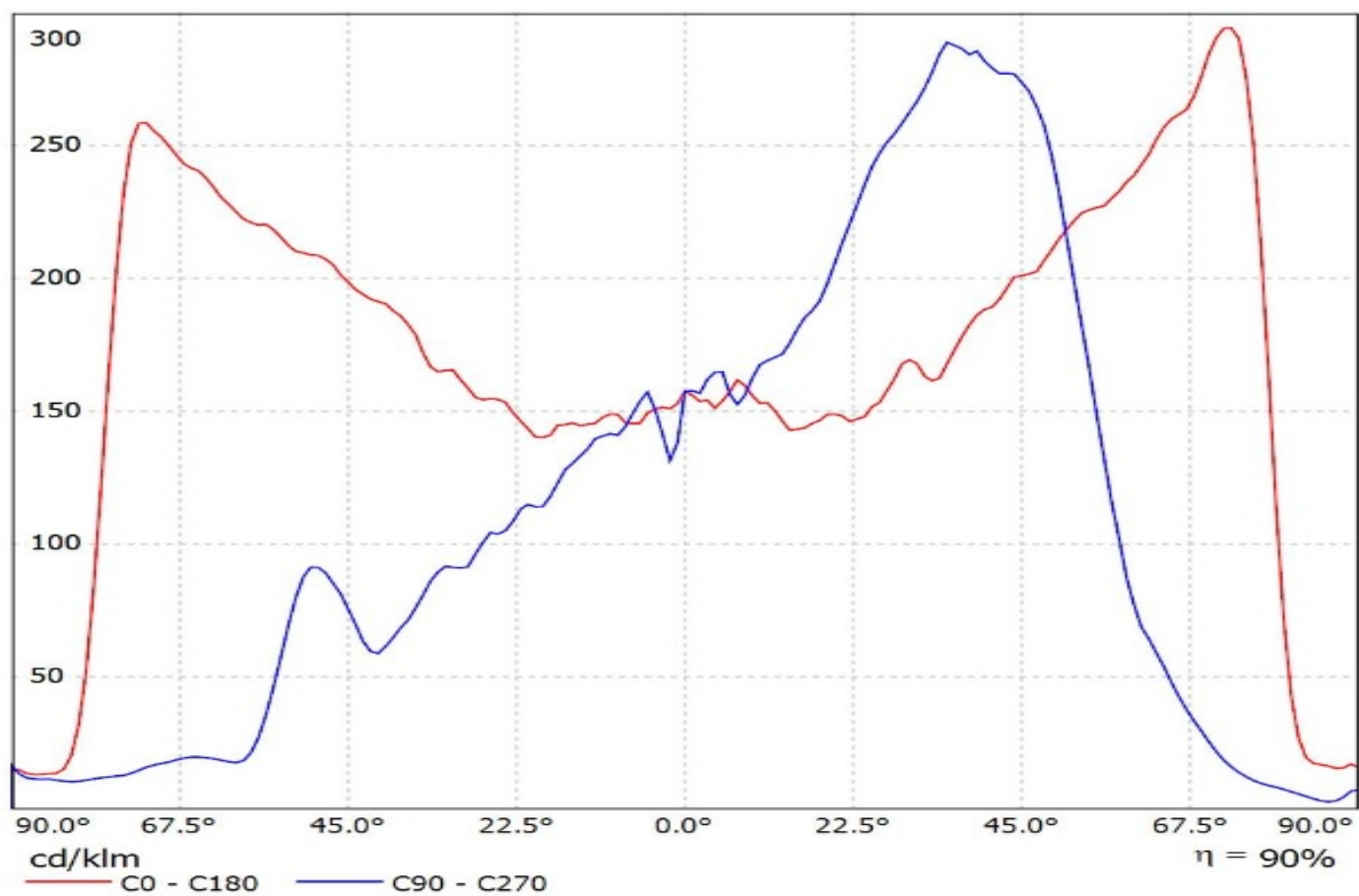
Please find more information about used material from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>



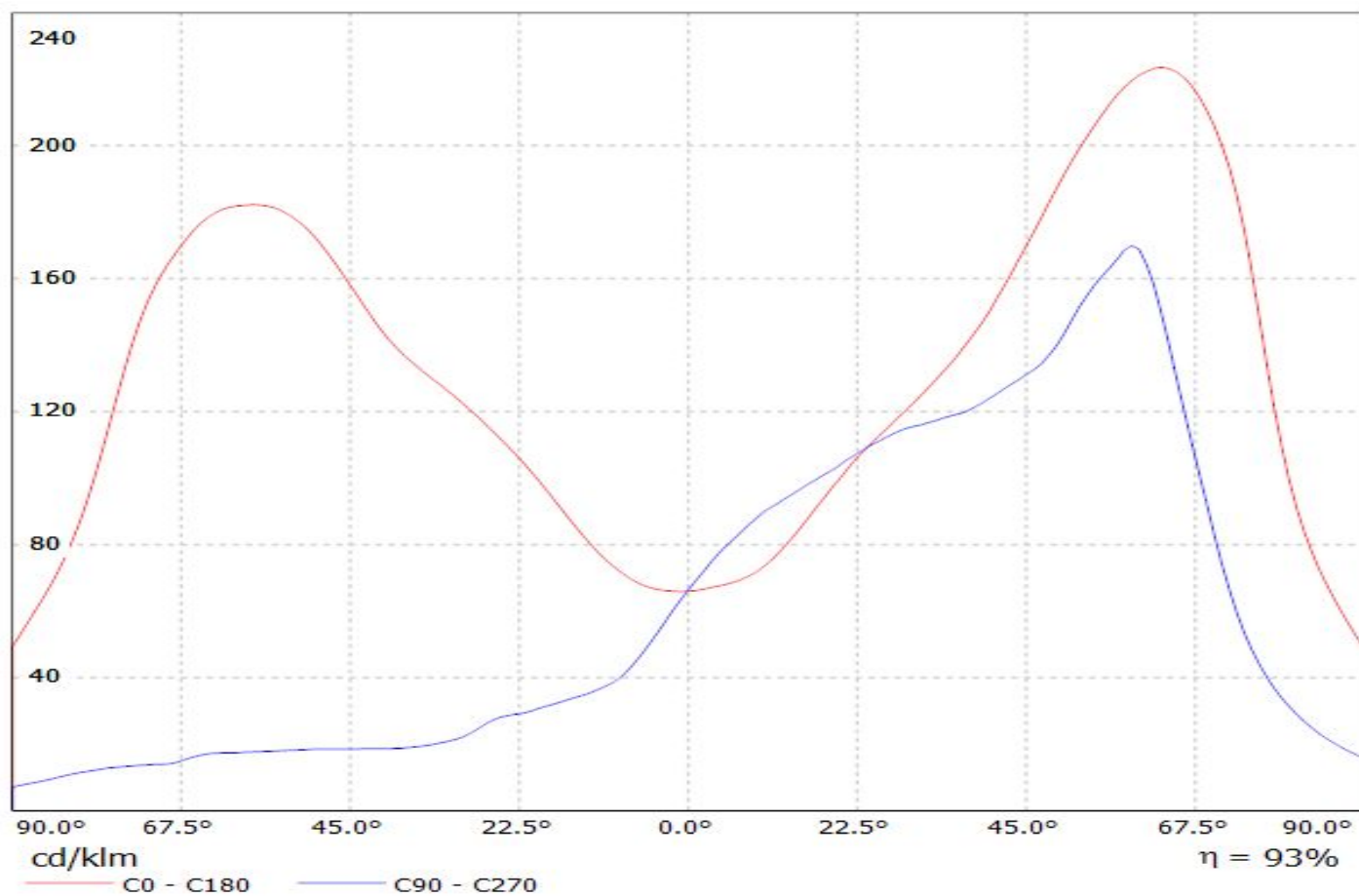
Luminaire: Ledil Oy C14165\_STRADA-2X2-ME-WIDE2\_(XP-L)\_SIMULATED  
Lamps: 1 x Cree XP-L





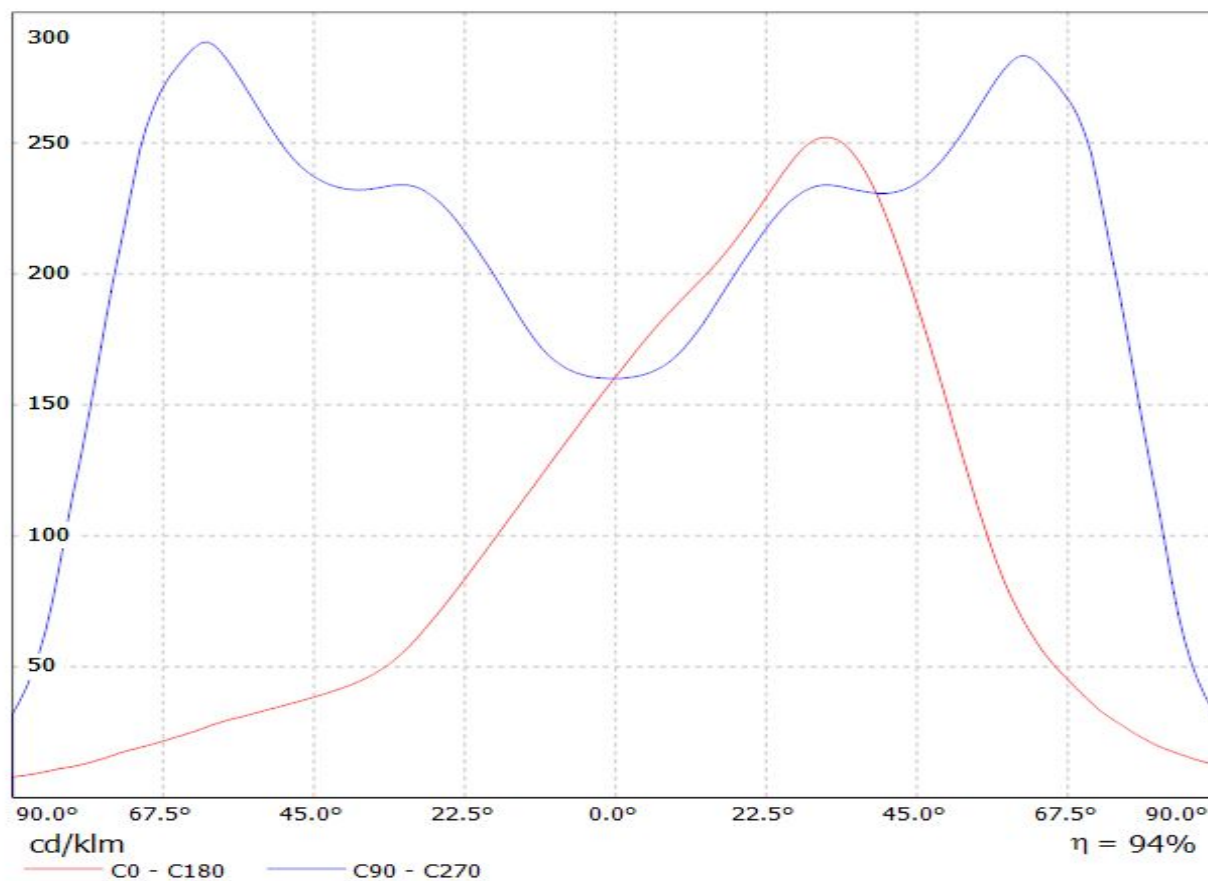
Luminaire: LEDiL Oy CA12087\_STRADA-FW\_(XP-L)

Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA

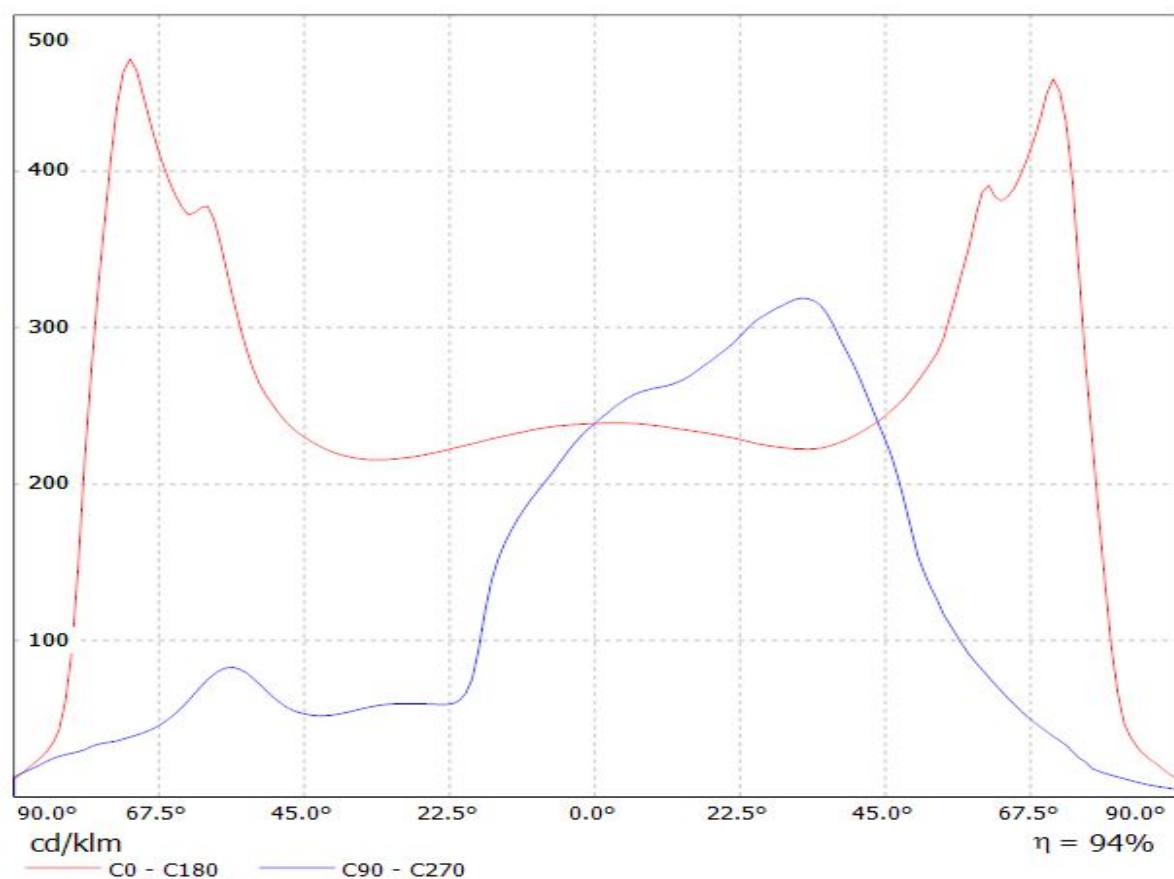


Luminaire: LEDiL Oy C12360\_STRADA-2x2-DNW\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_510lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

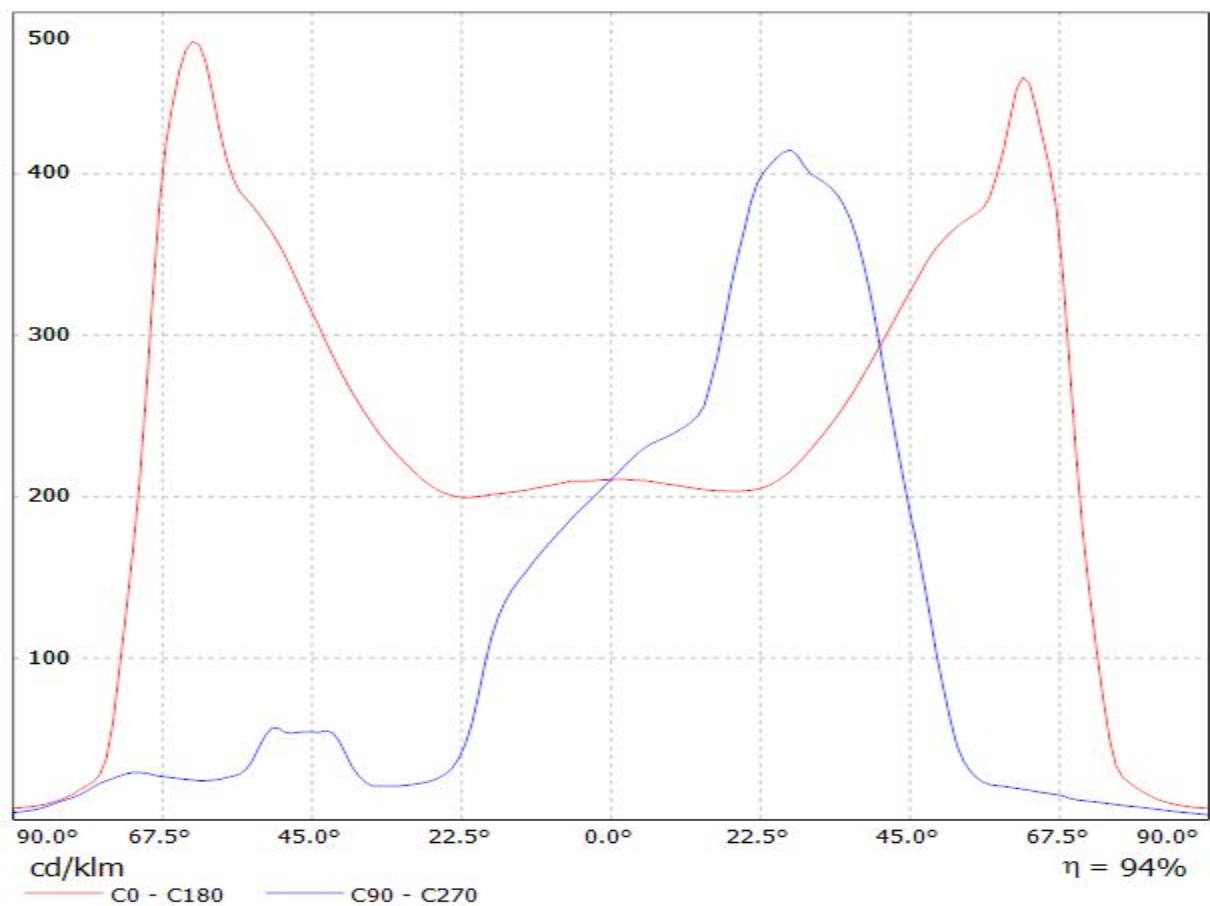


Luminaire: LEDiL Oy C12362\_STRADA-2X2-DWC\_(XP-L) Eff.94.2%  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_504.373lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



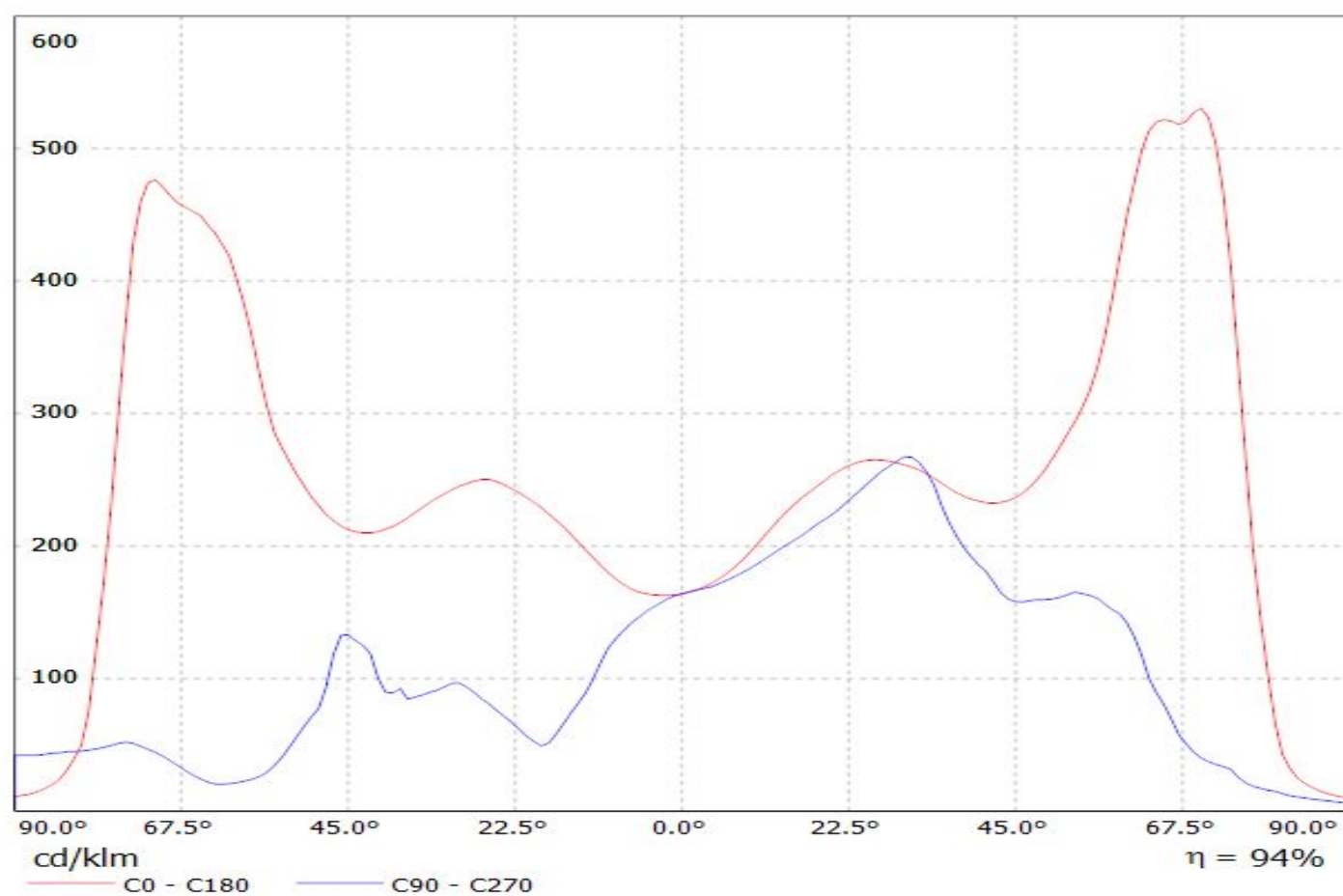
Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_517lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

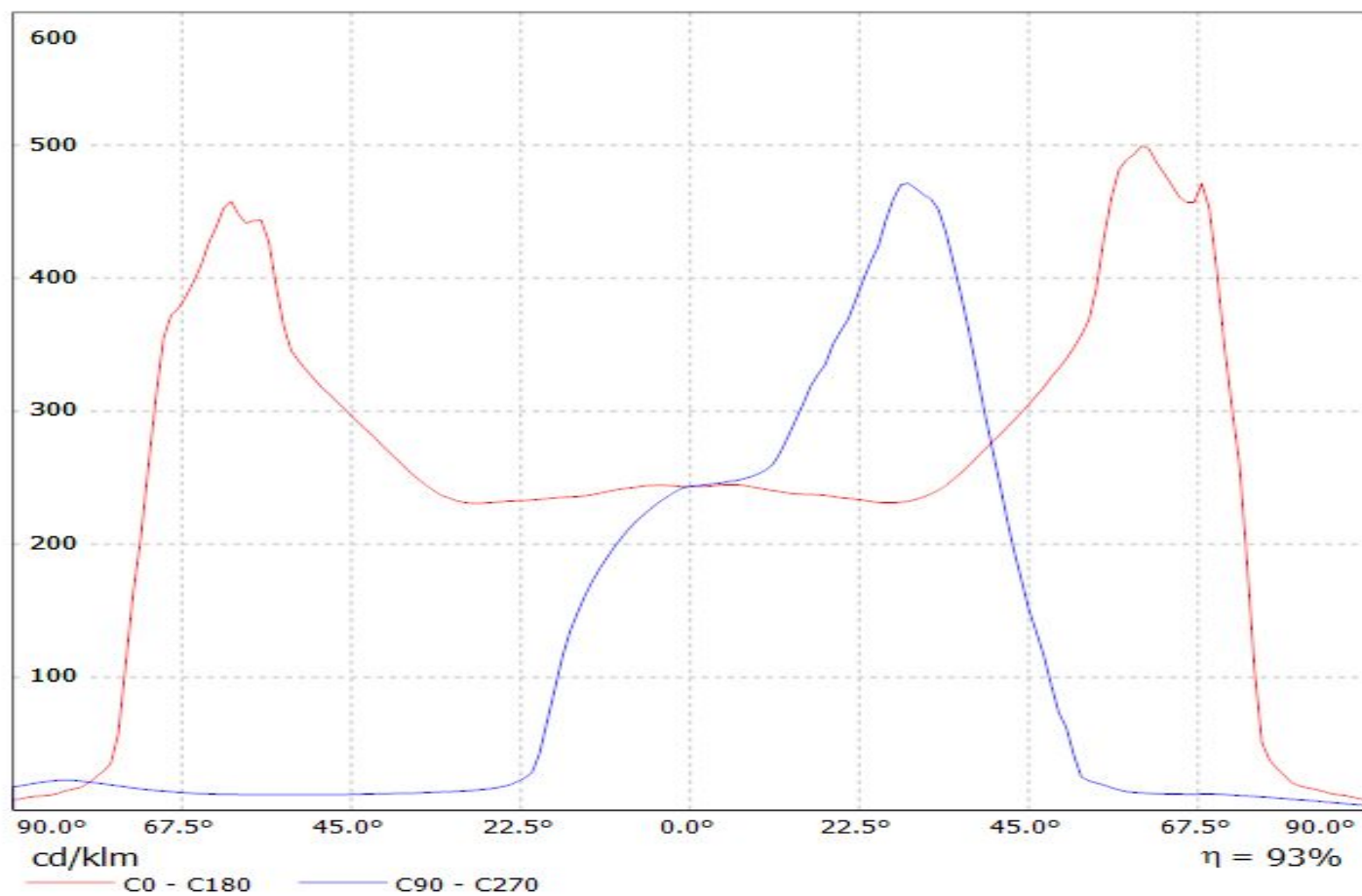




Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_127.23lm@250mA\_P=0.738255W\_I=249.9mA

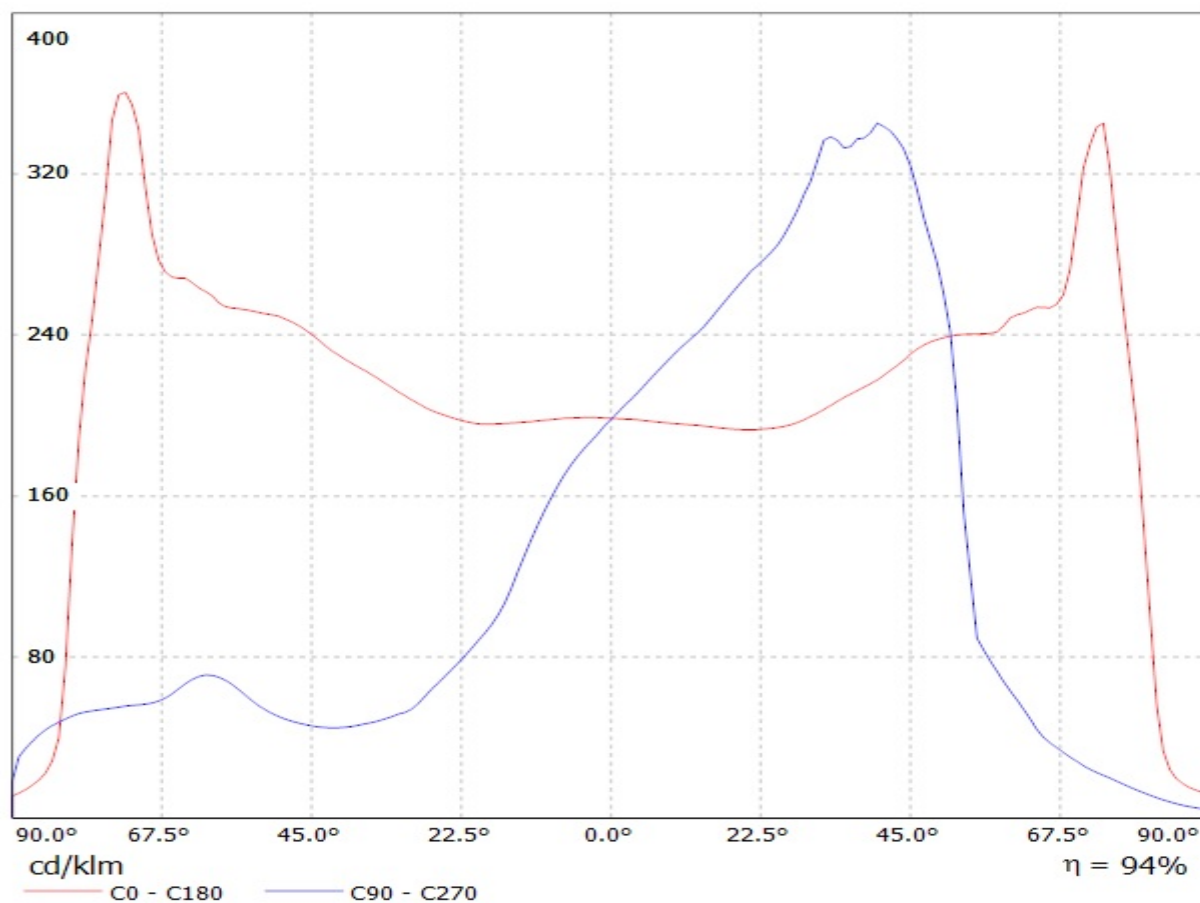


Luminaire: LEDiL Oy CA13119\_STRADA-SQ-A-T\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



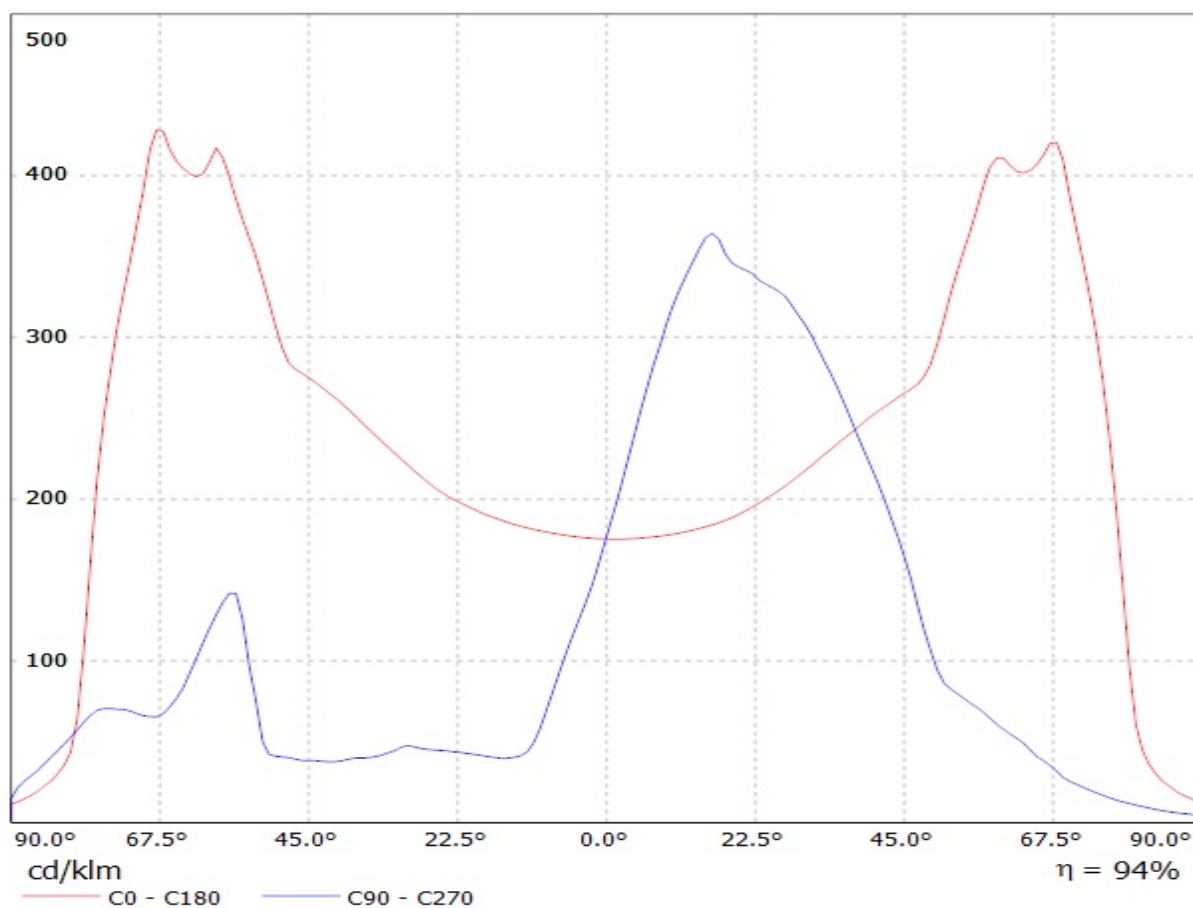
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_518.95lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy C13300\_STRADA-2x2-T2\_(XP-L)

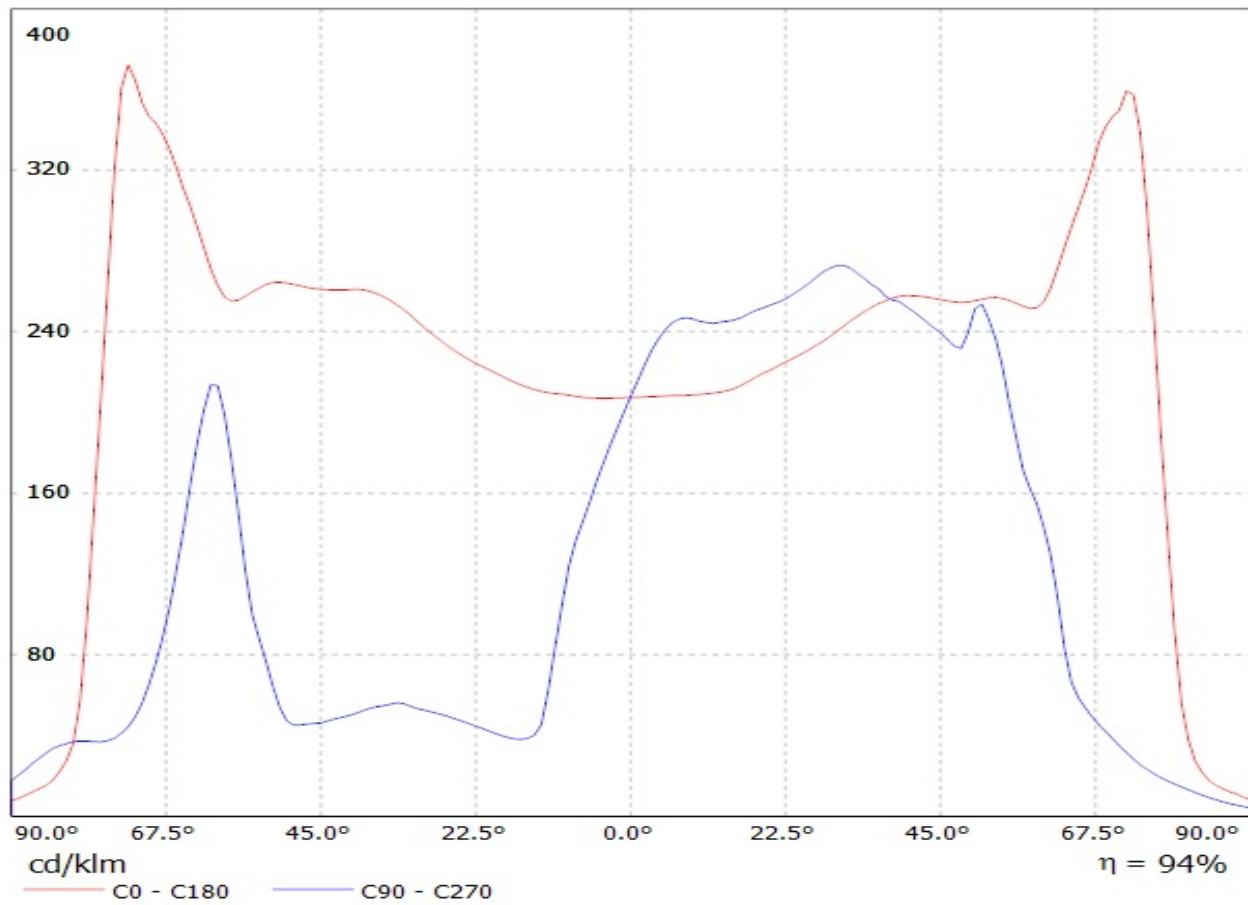
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_508.75lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA





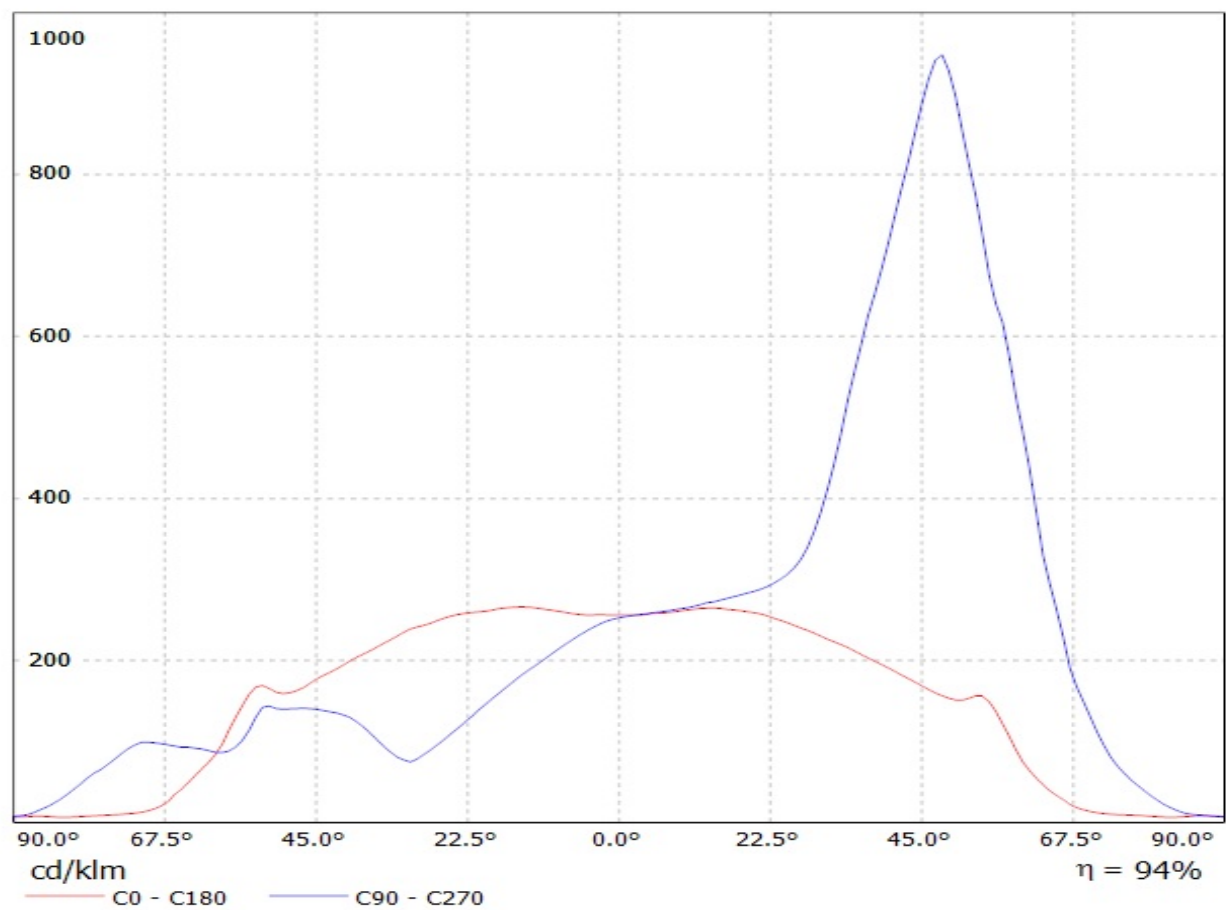
Luminaire: LEDiL Oy C13301\_STRADA-2x2-T3\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_514lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



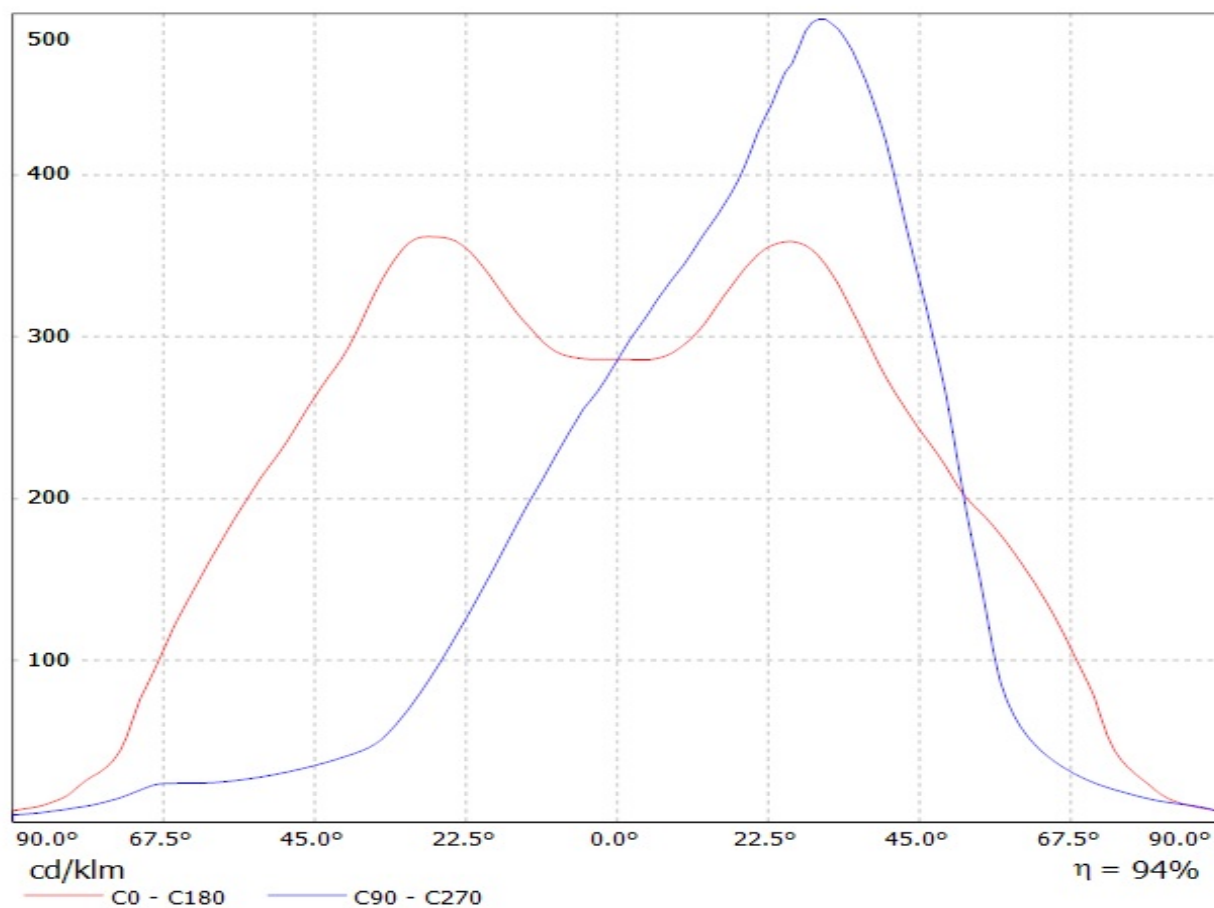
Luminaire: LEDiL Oy C13604\_STRADA-2x2-FN\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_512.69lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

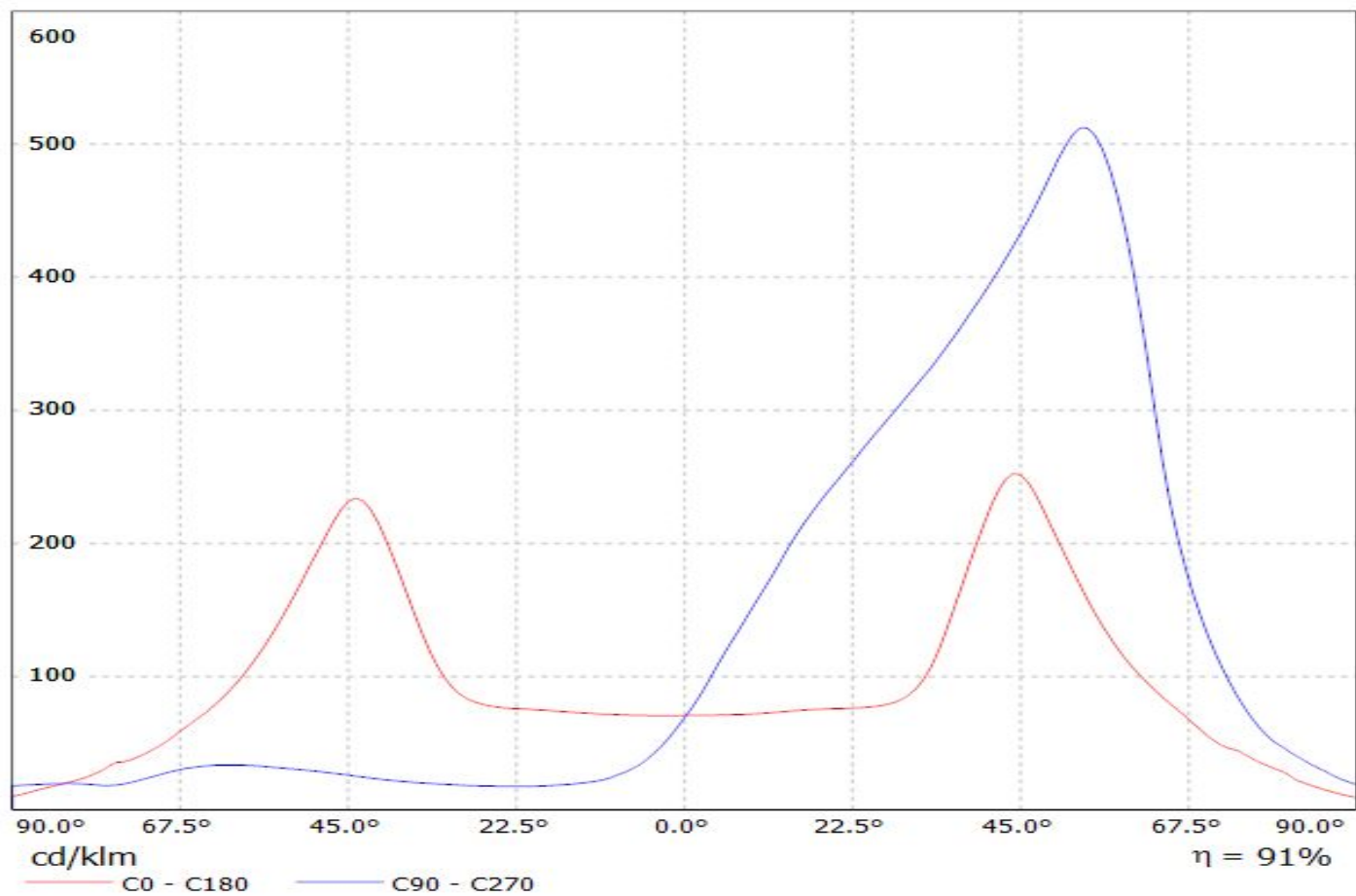


Luminaire: LEDiL Oy C13699\_STRADA-2x2-DN\_(XP-L)

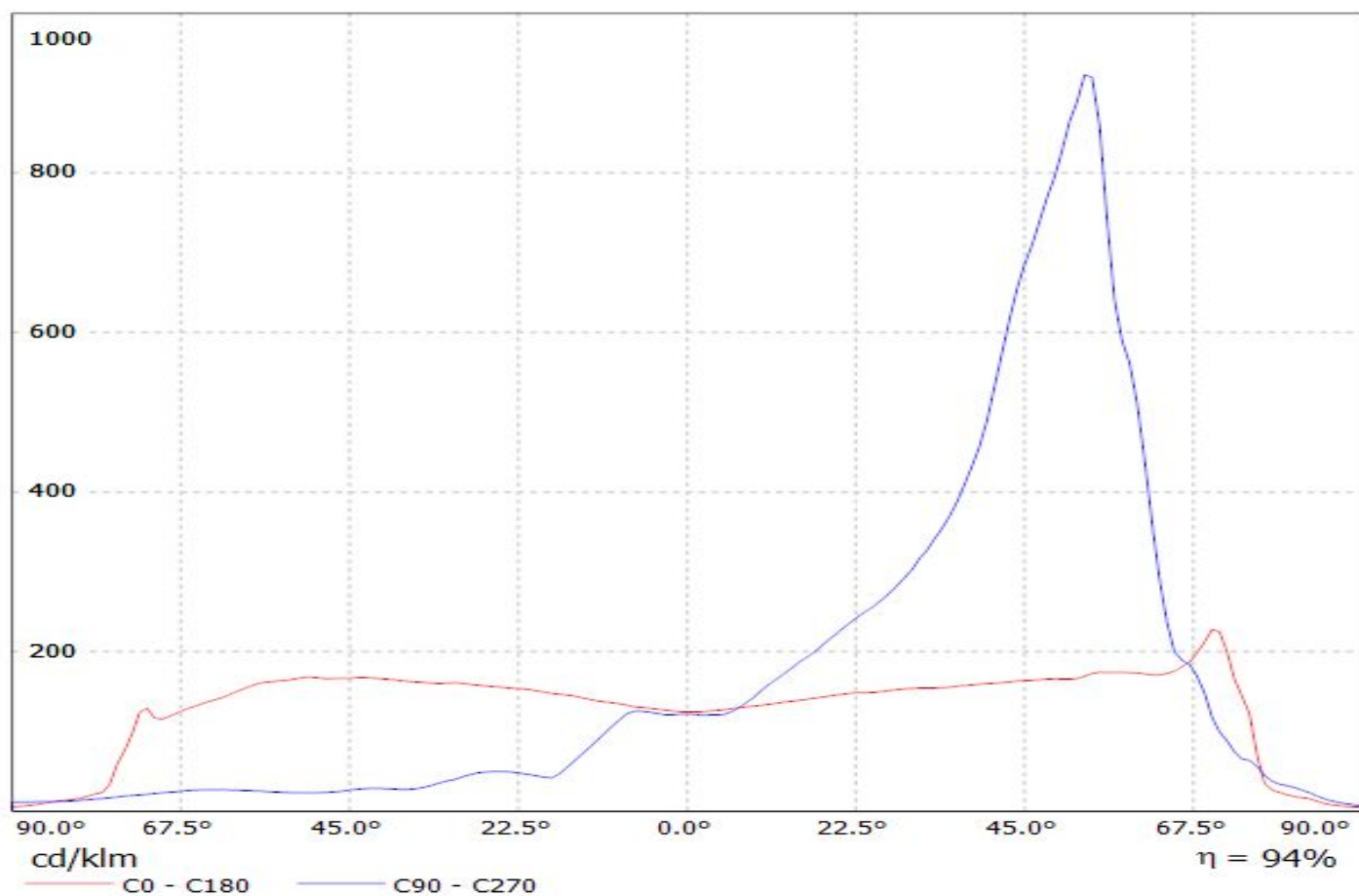
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_516.55lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy CA13752\_STRADA-SQ-FT\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA

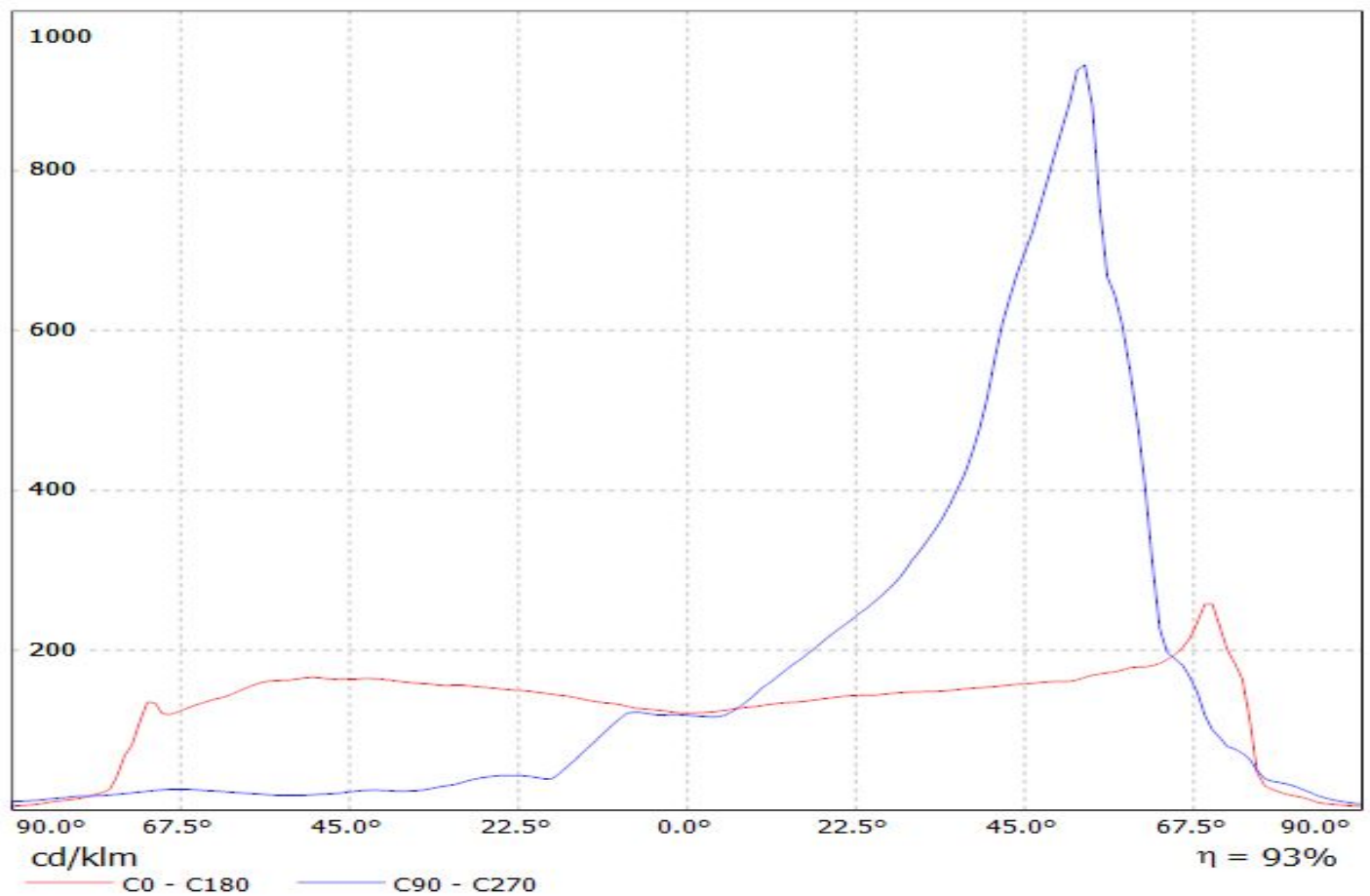


Luminaire: LEDiL Oy C13757\_STRADA-SQ-FS-NP\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



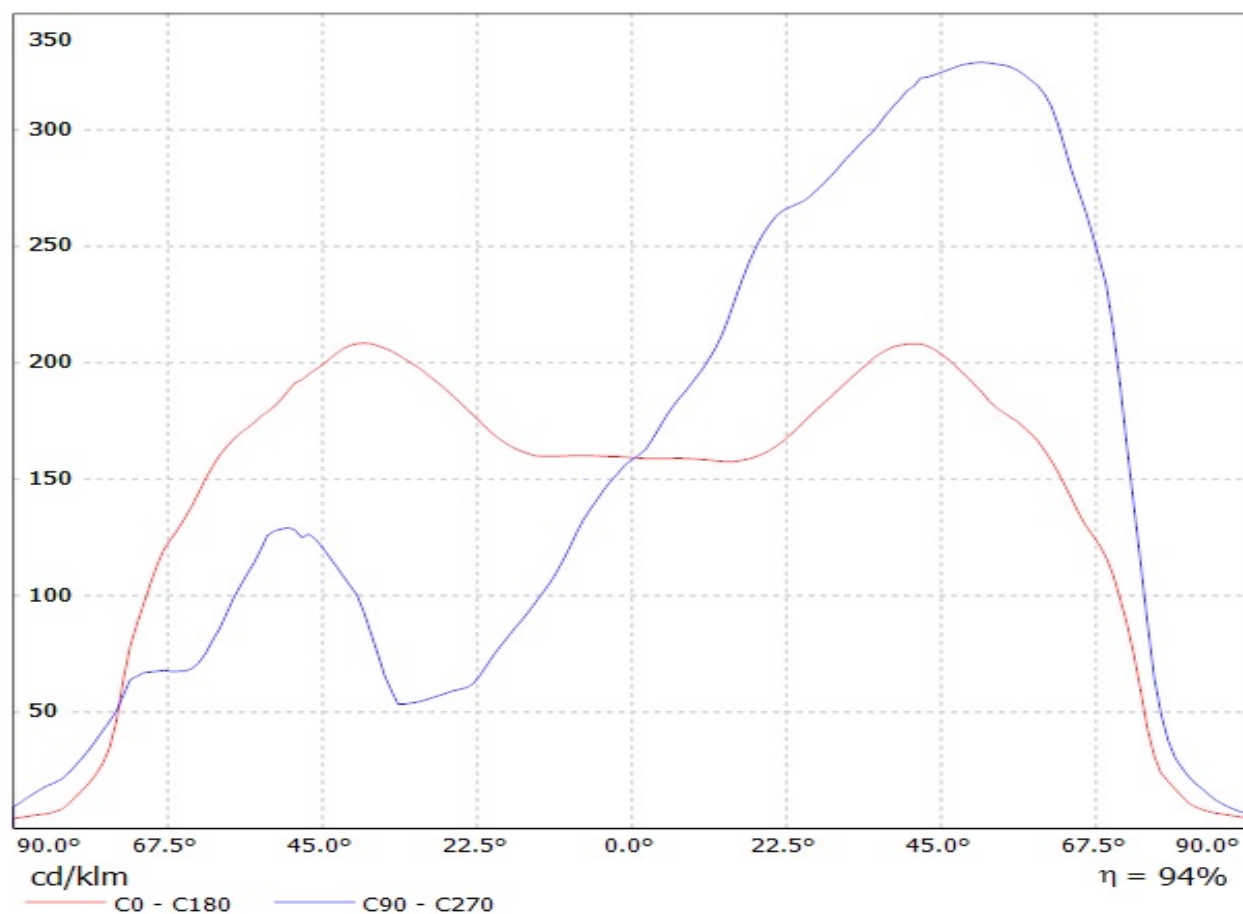


Luminaire: LEDiL Oy CA13758\_STRADA-SQ-FS-NP\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA

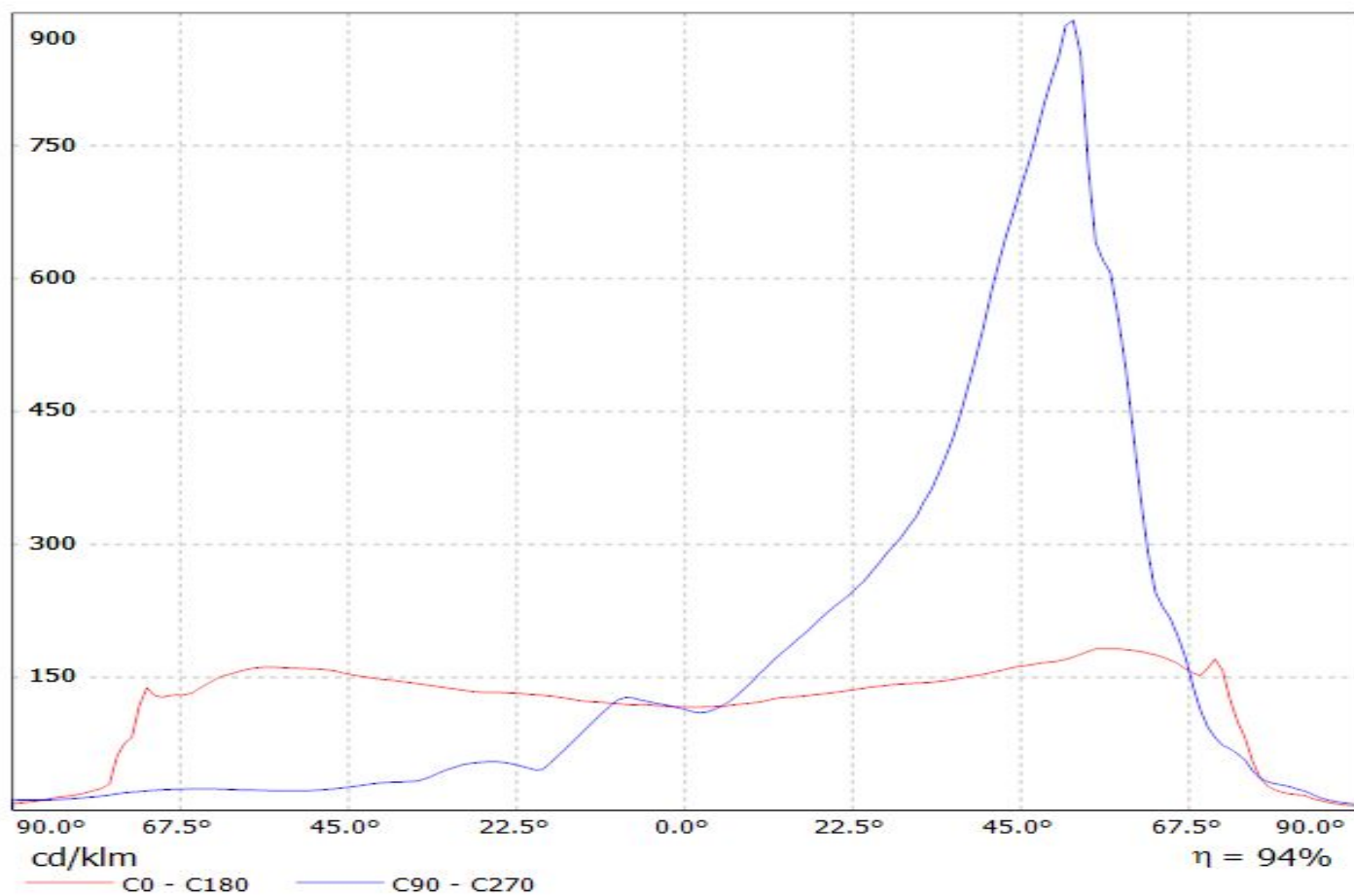


Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(XP-L)

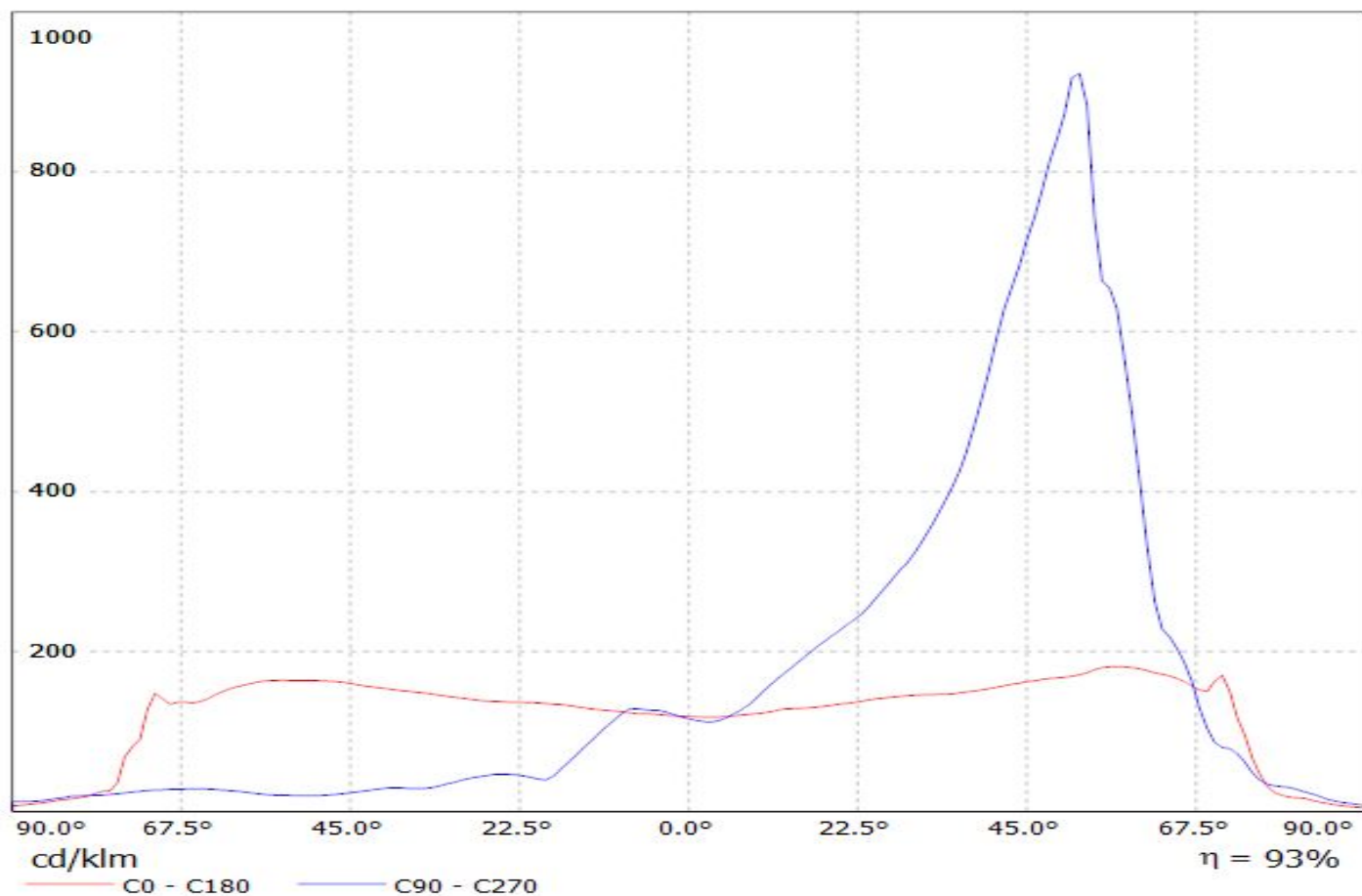
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



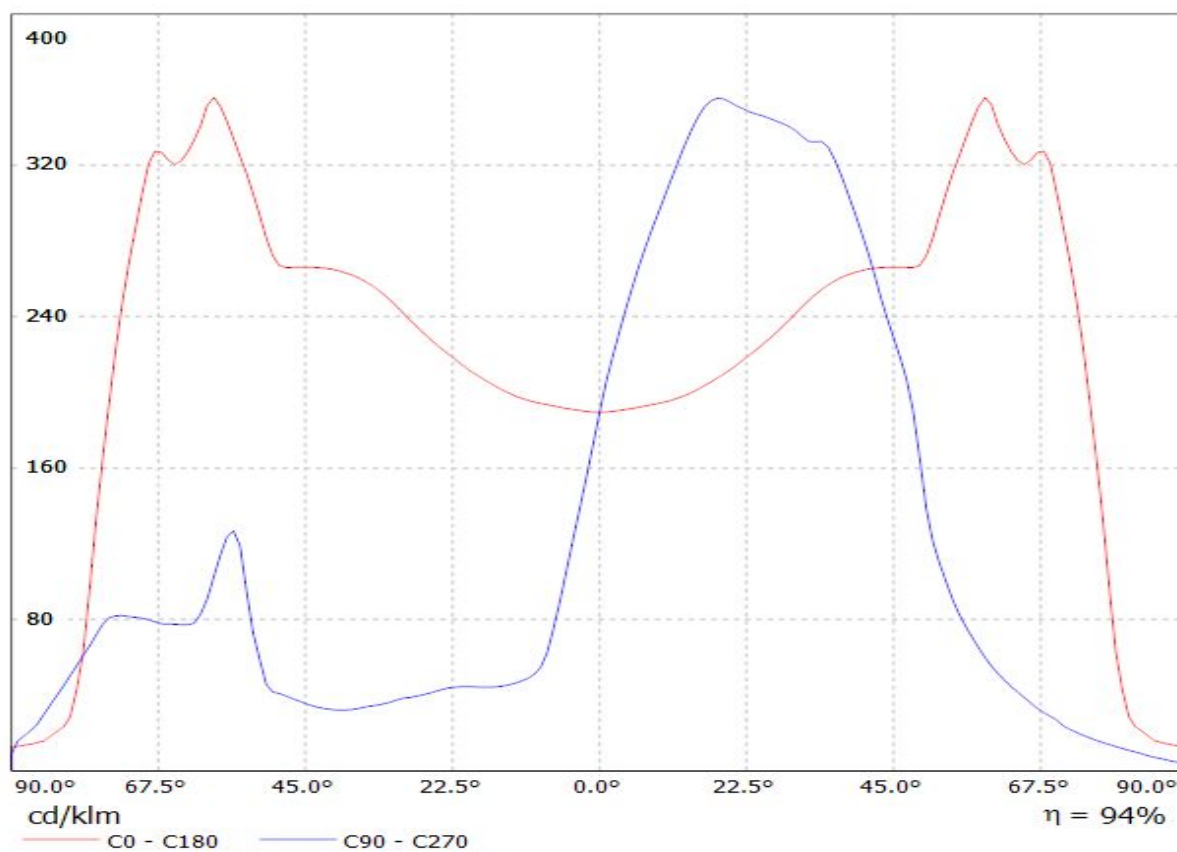
Luminaire: LEDiL Oy C13896\_STRADA-SQ-FS\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA



Luminaire: LEDiL Oy CA13897\_STRADA-SQ-FS\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA

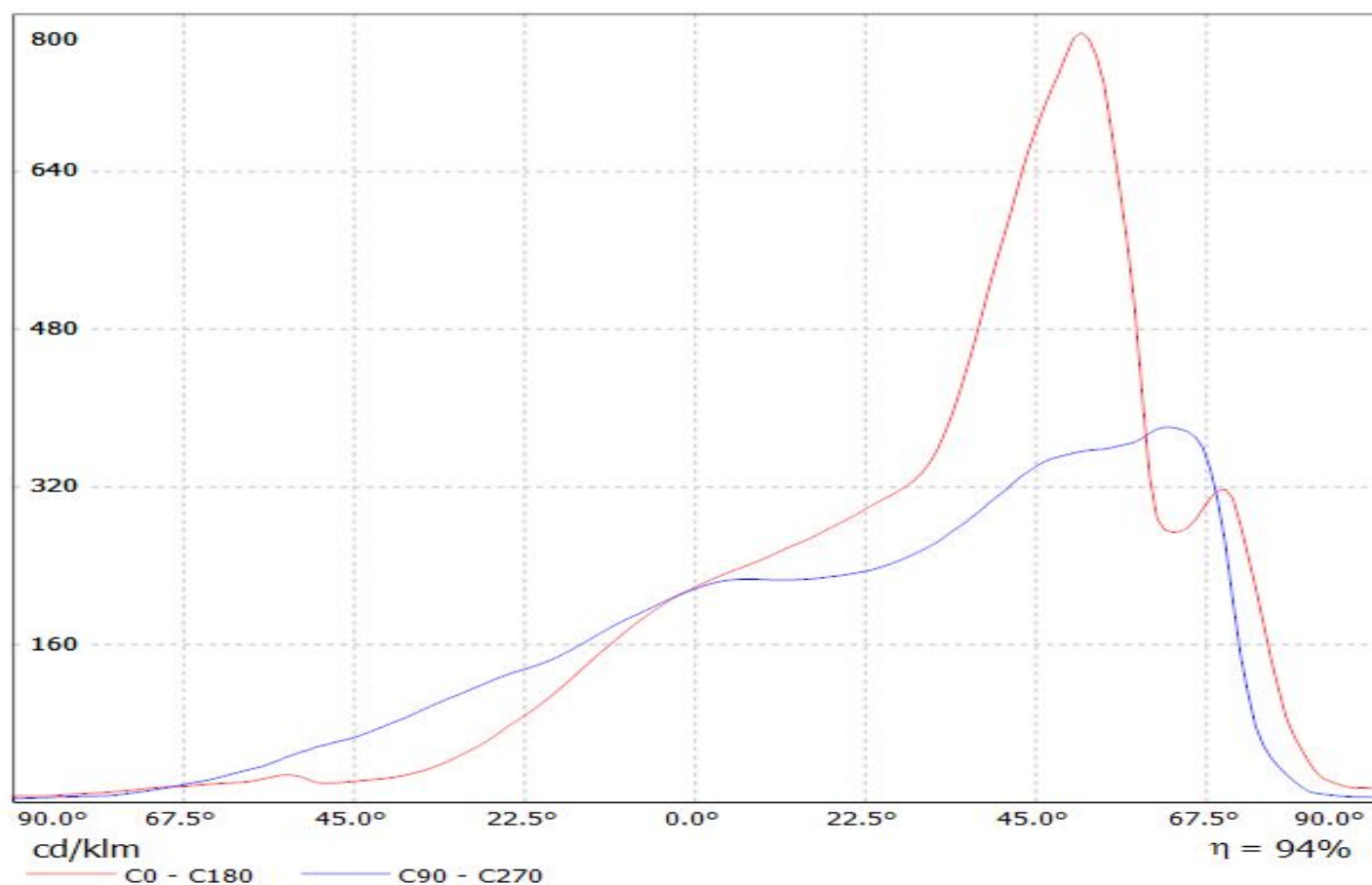


Luminaire: LEDiL Oy CS14055\_STRADA-IP-2X6-T2\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA

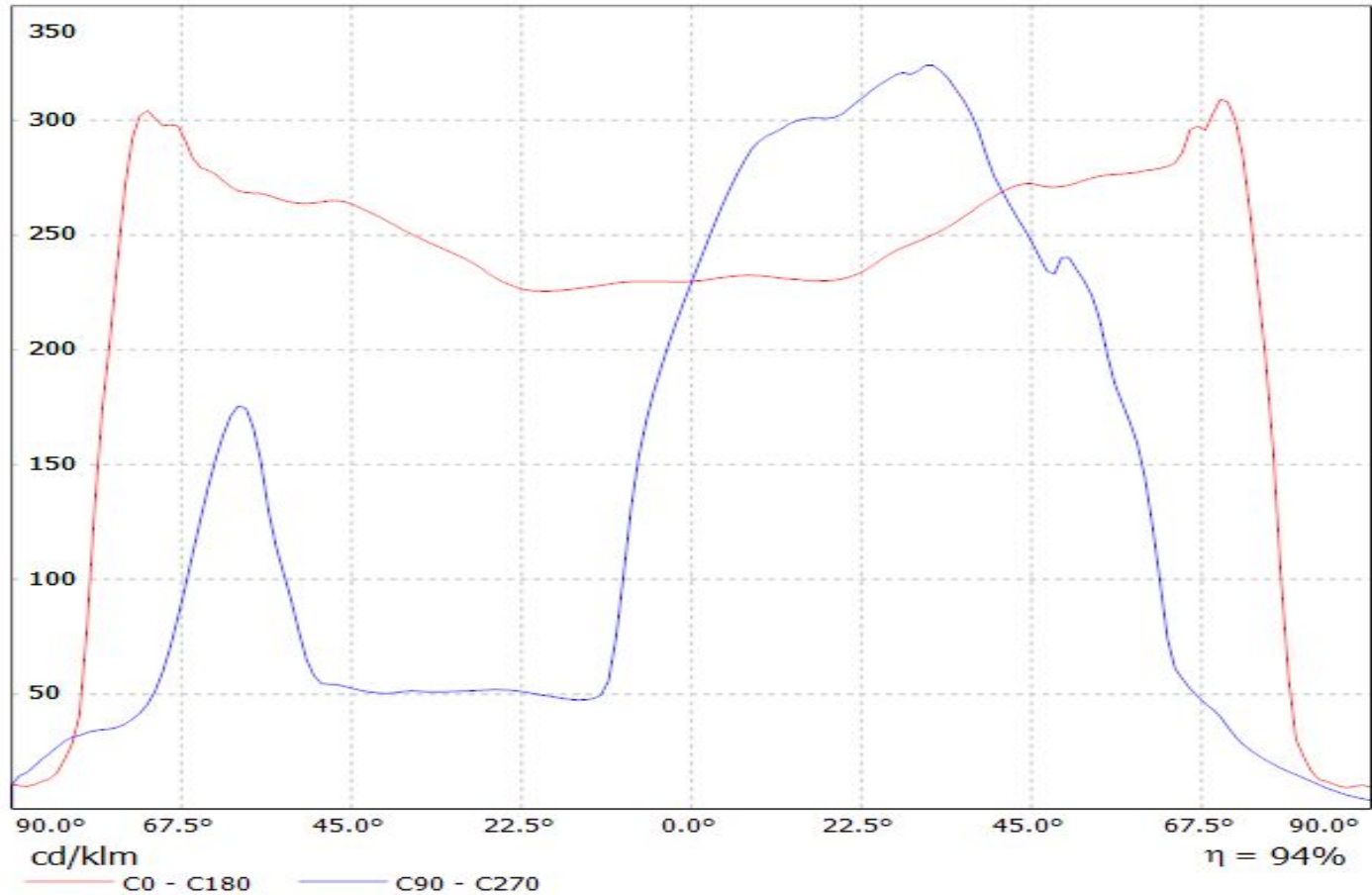




Luminaire: LEDiL Oy C14116\_STRADA-2X2-PX\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.5lm@250mA\_CCT=7600K\_P=2.80563W\_I=249.9mA

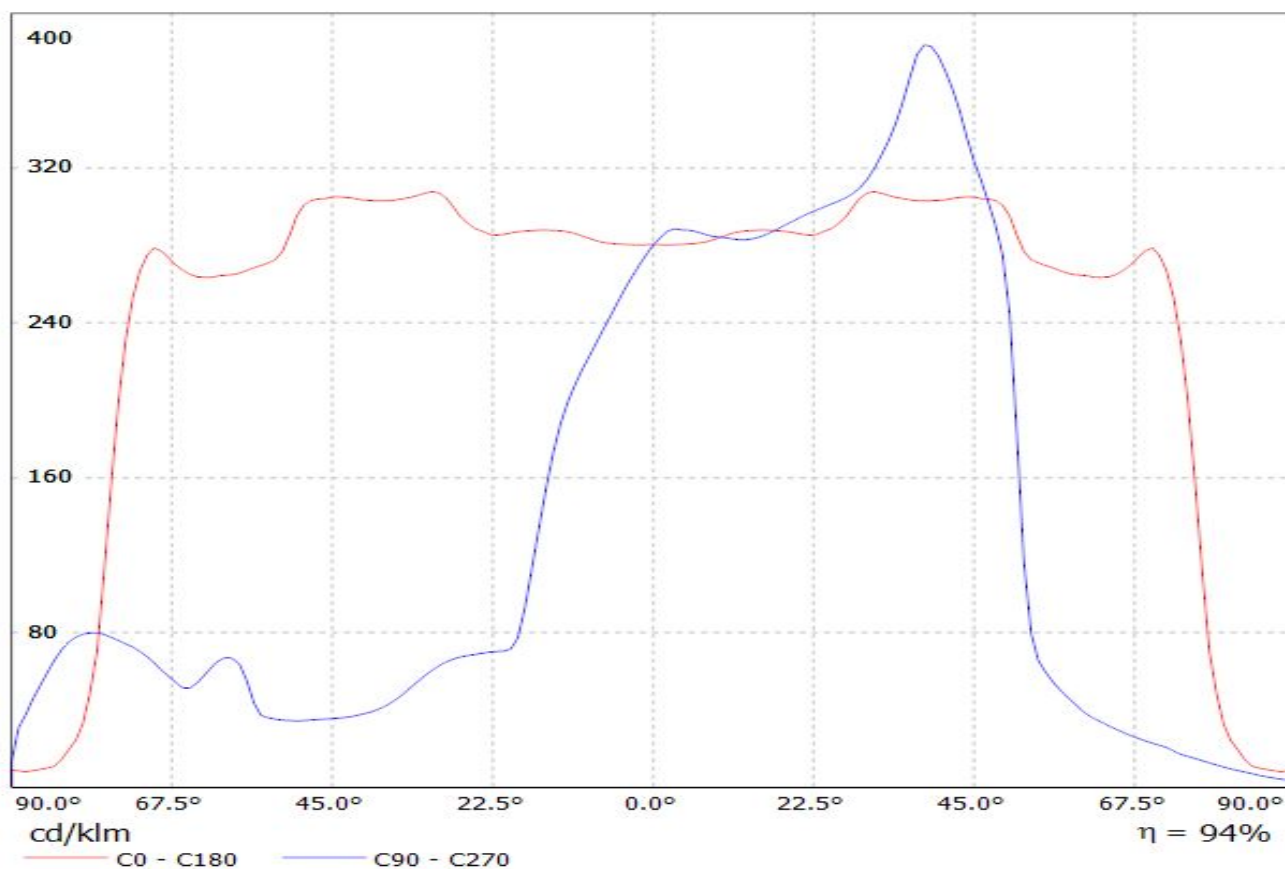


Luminaire: LEDiL Oy CS14143\_STRADA-IP-2X6-T3\_(XP-L) Eff.95.3%  
Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)  
\_1270.8lm@250mA\_P=8.22317W\_I=249.8mA



Luminaire: LEDiL Oy CS14144\_STRADA-IP-2X6-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA

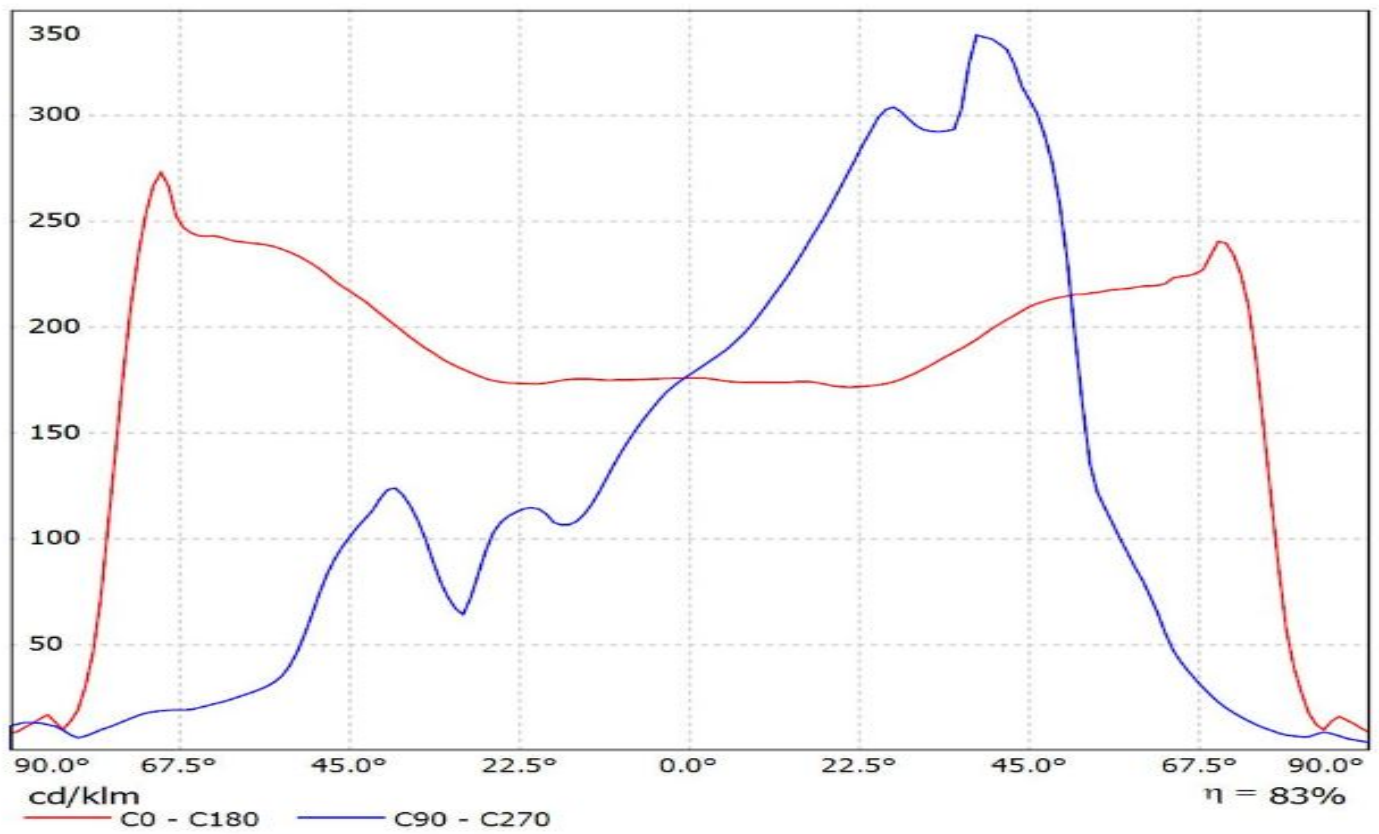


## Ledil C14164\_STRADA-2X2-ME-WIDE1\_(XP-L)\_glass / LDC (Linear)

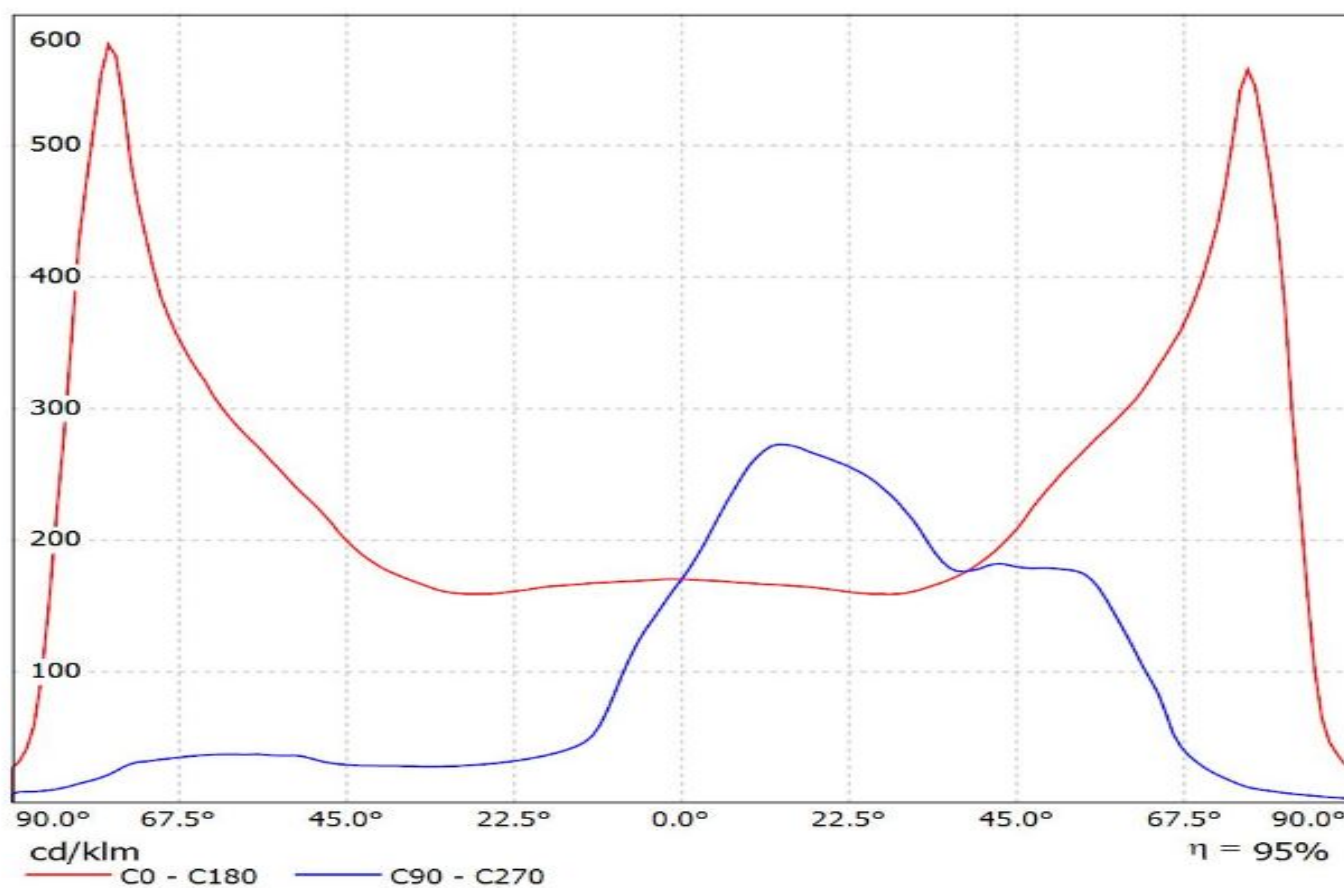
Luminaire: Ledil C14164\_STRADA-2X2-ME-WIDE1\_(XP-L)\_glass

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)

\_512.395lm@250mA\_CCT=7600K\_P=2.8W\_I=0.25A

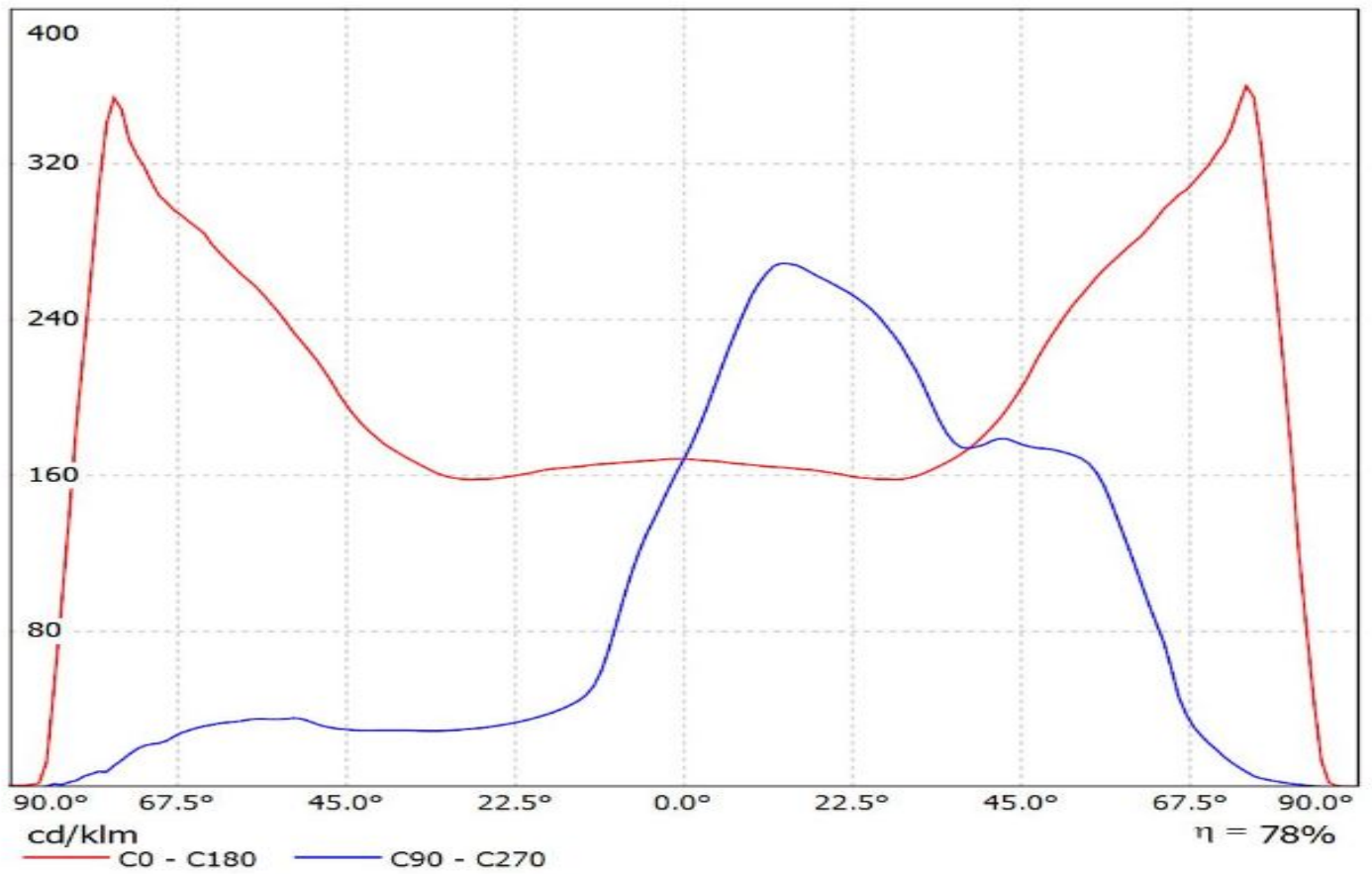


Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A

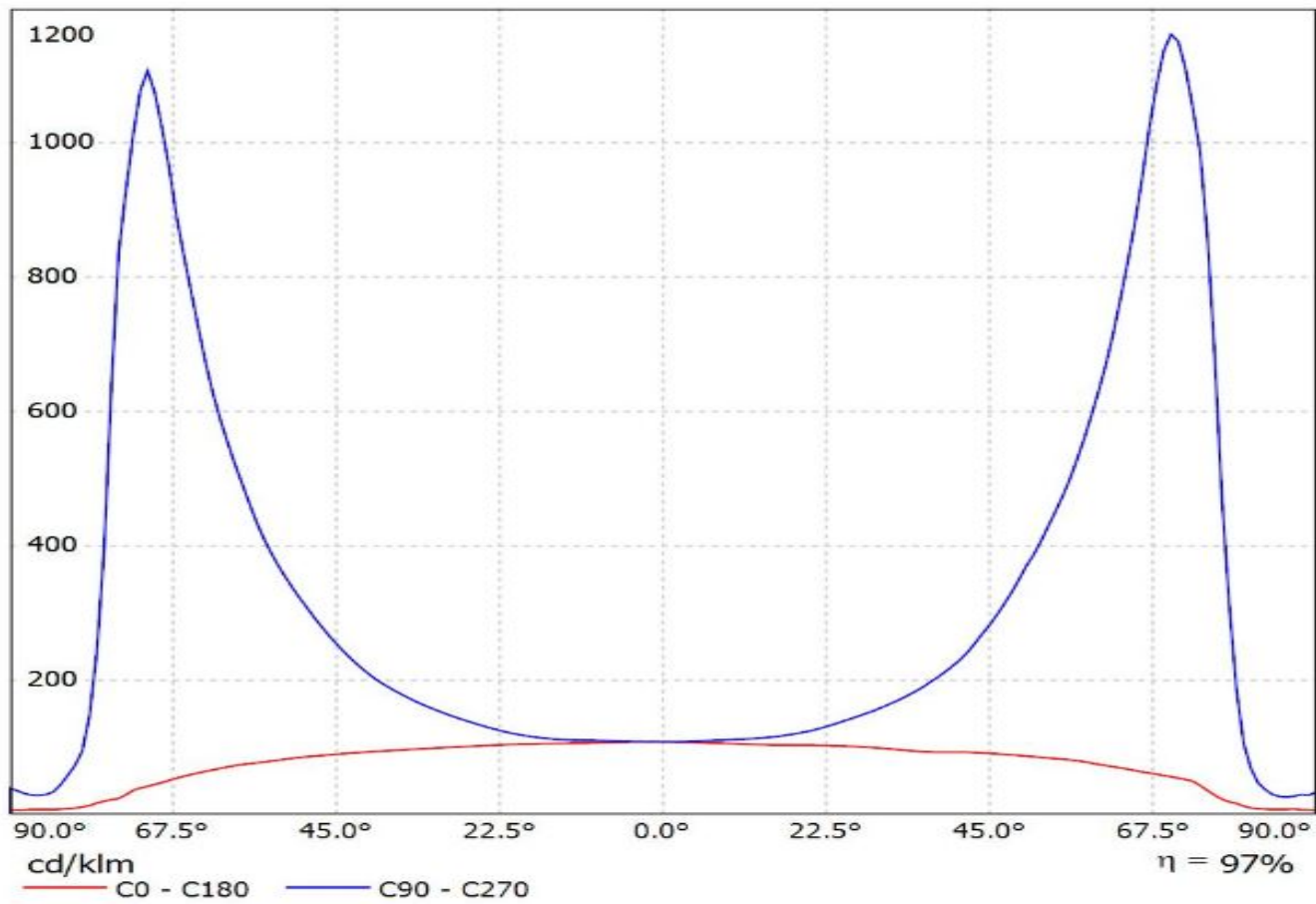




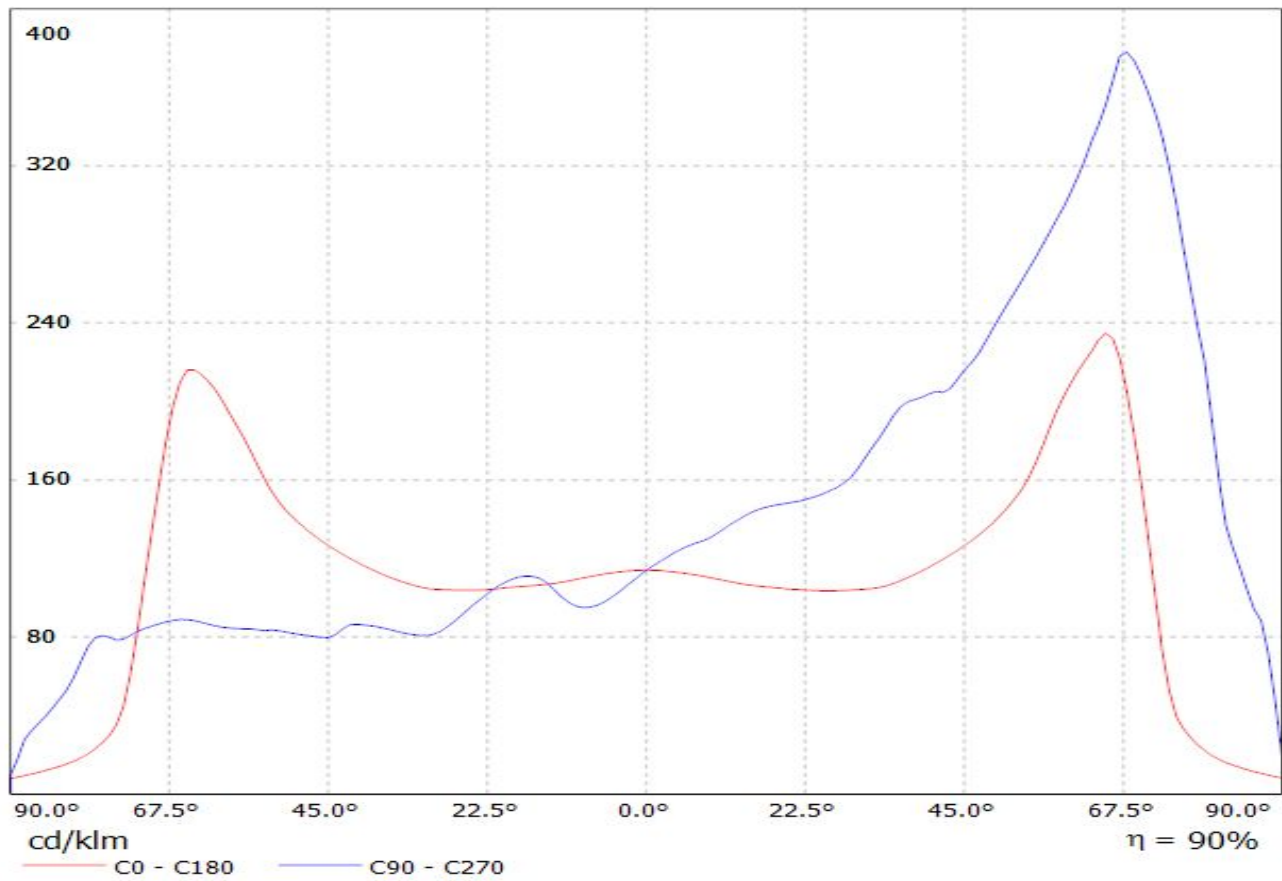
Luminaire: Ledil C15021\_STRADA-2X2-SCL (XP-L)\_glass  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A



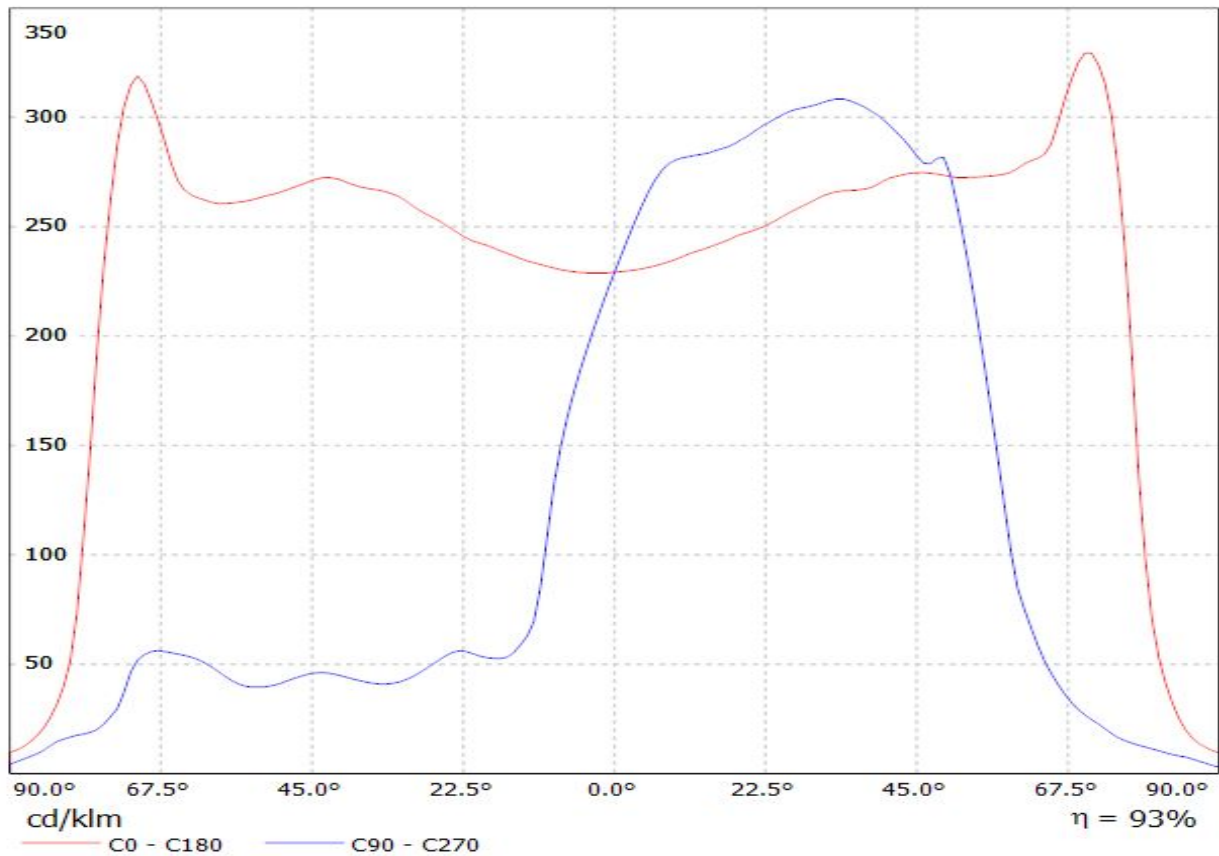
Luminaire: Ledil C15135\_STRADA-2X2-T1\_(XP-L)\_C1  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-1B0-V40-00-0001)\_509.35lm@250mA\_CCT=7600K\_P=2.8145W\_I=0.25A



Luminaire: LEDiL Oy CS15158\_STRADA-IP-2X6-T4-B\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A

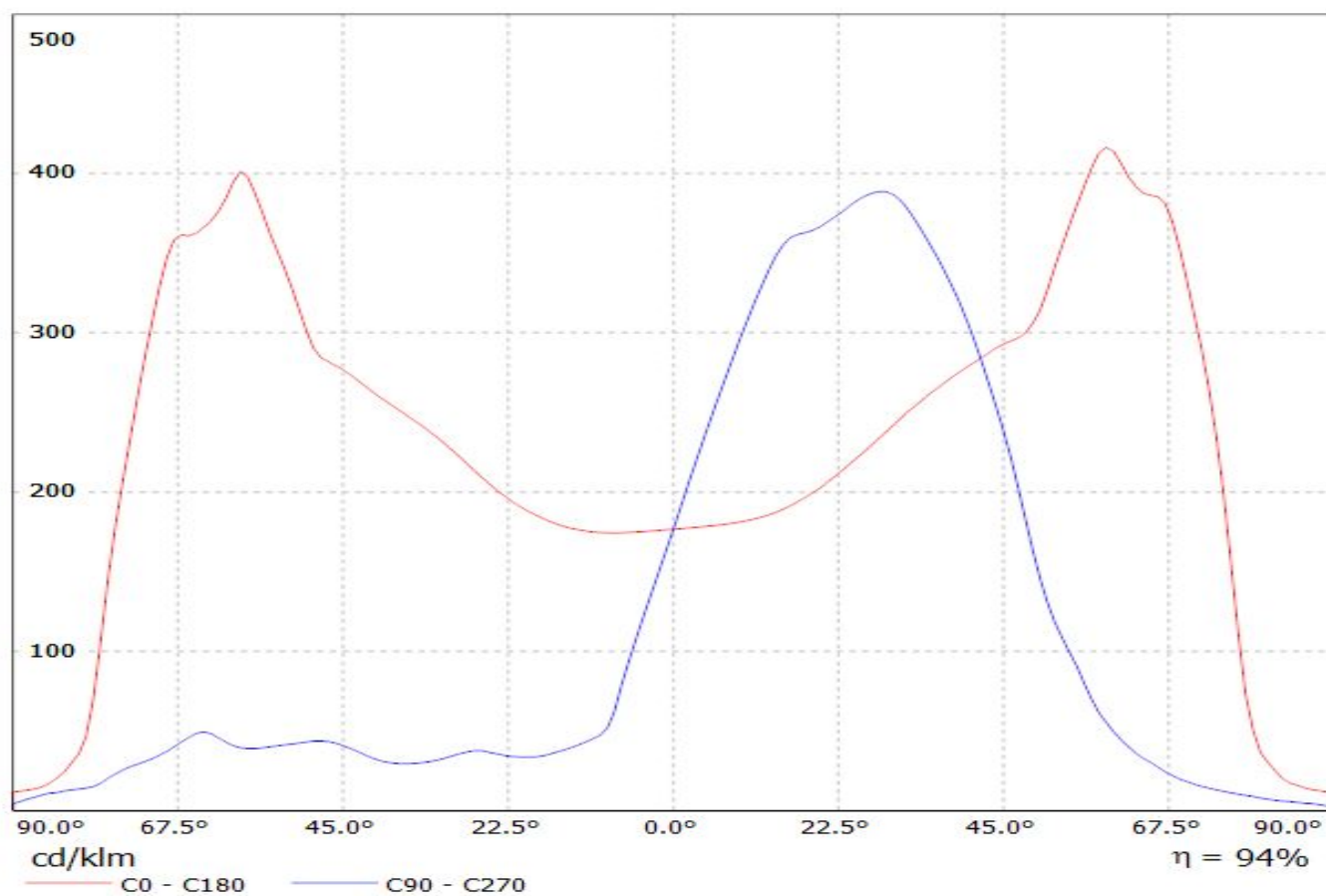


Luminaire: LEDiL Oy CS15362\_STRADA-IP-2X6-T3-B\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A

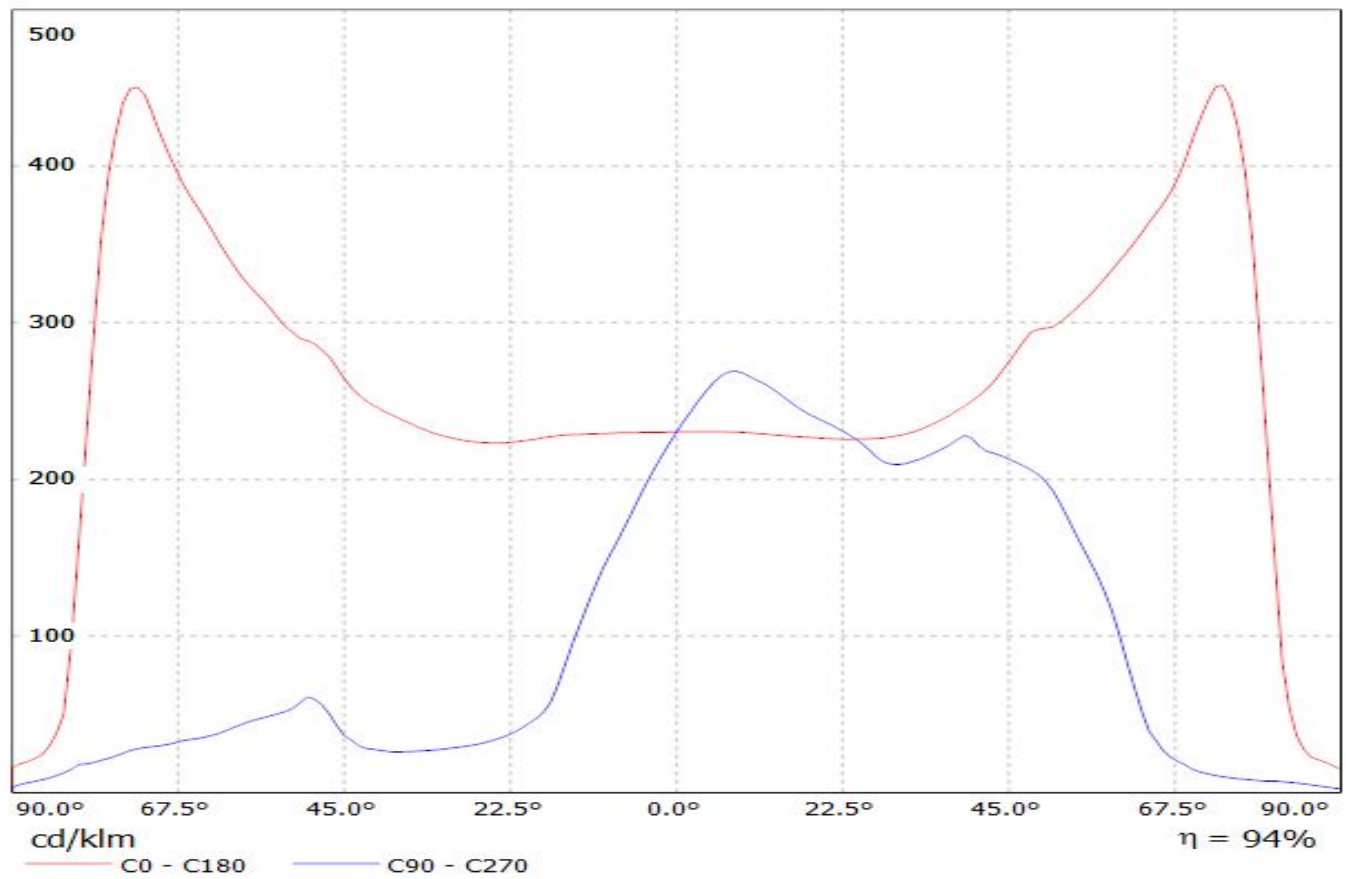


Luminaire: LEDiL Oy CS15363\_STRADA-IP-2X6-T2-B\_(XP-L)

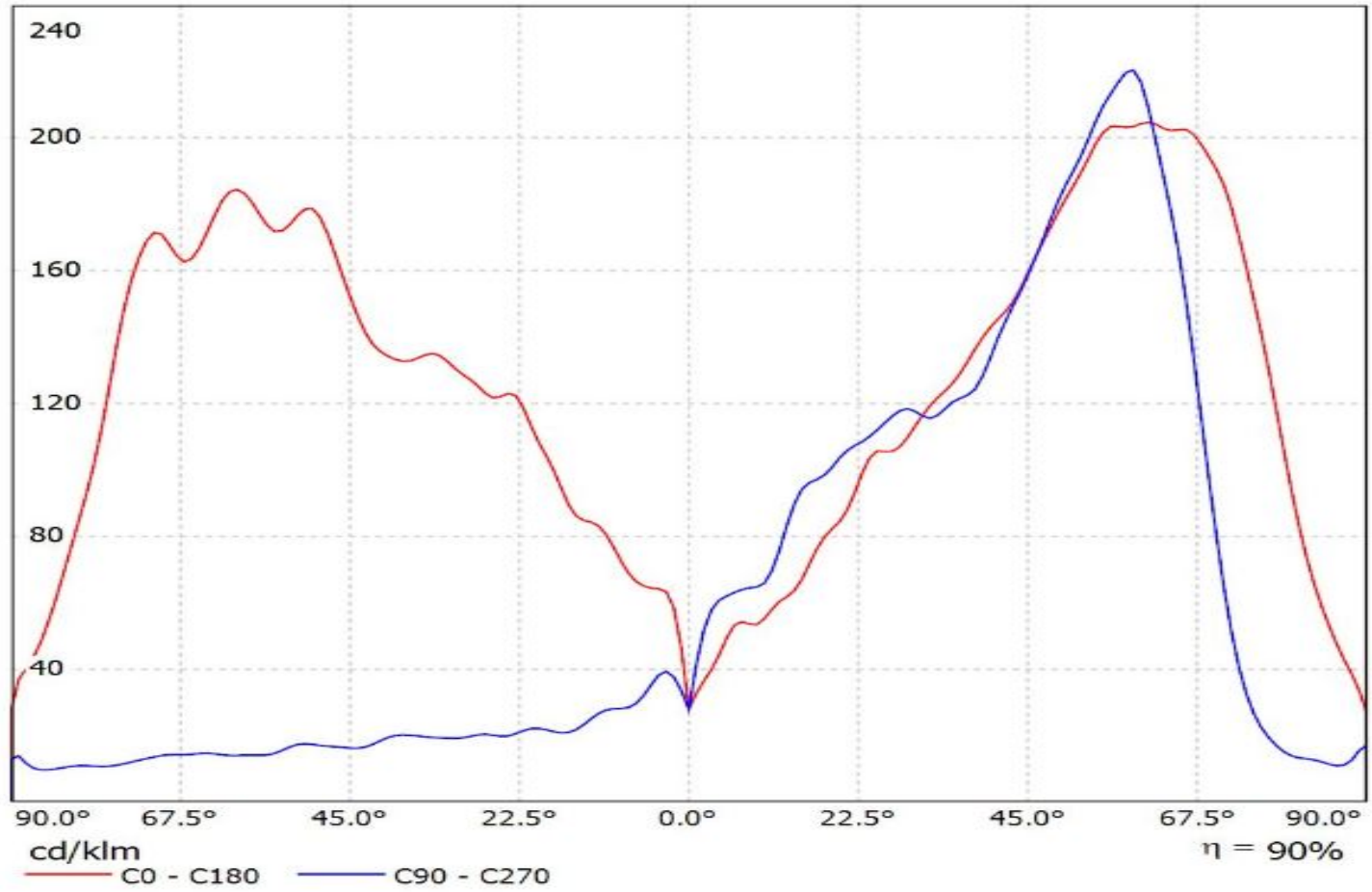
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A

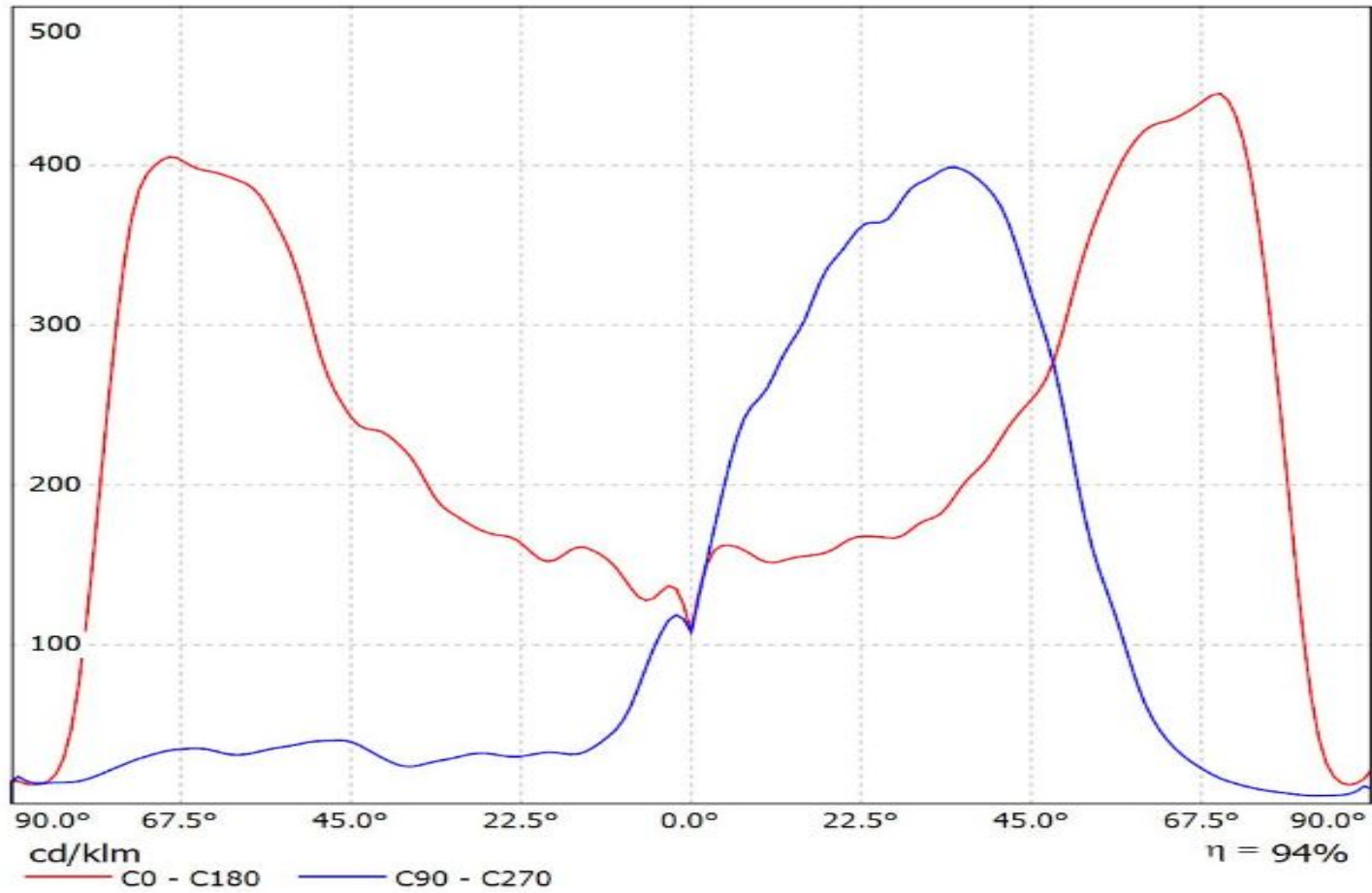


Luminaire: LEDiL Oy CS15418\_STRADA-IP-2X6-SCL\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A

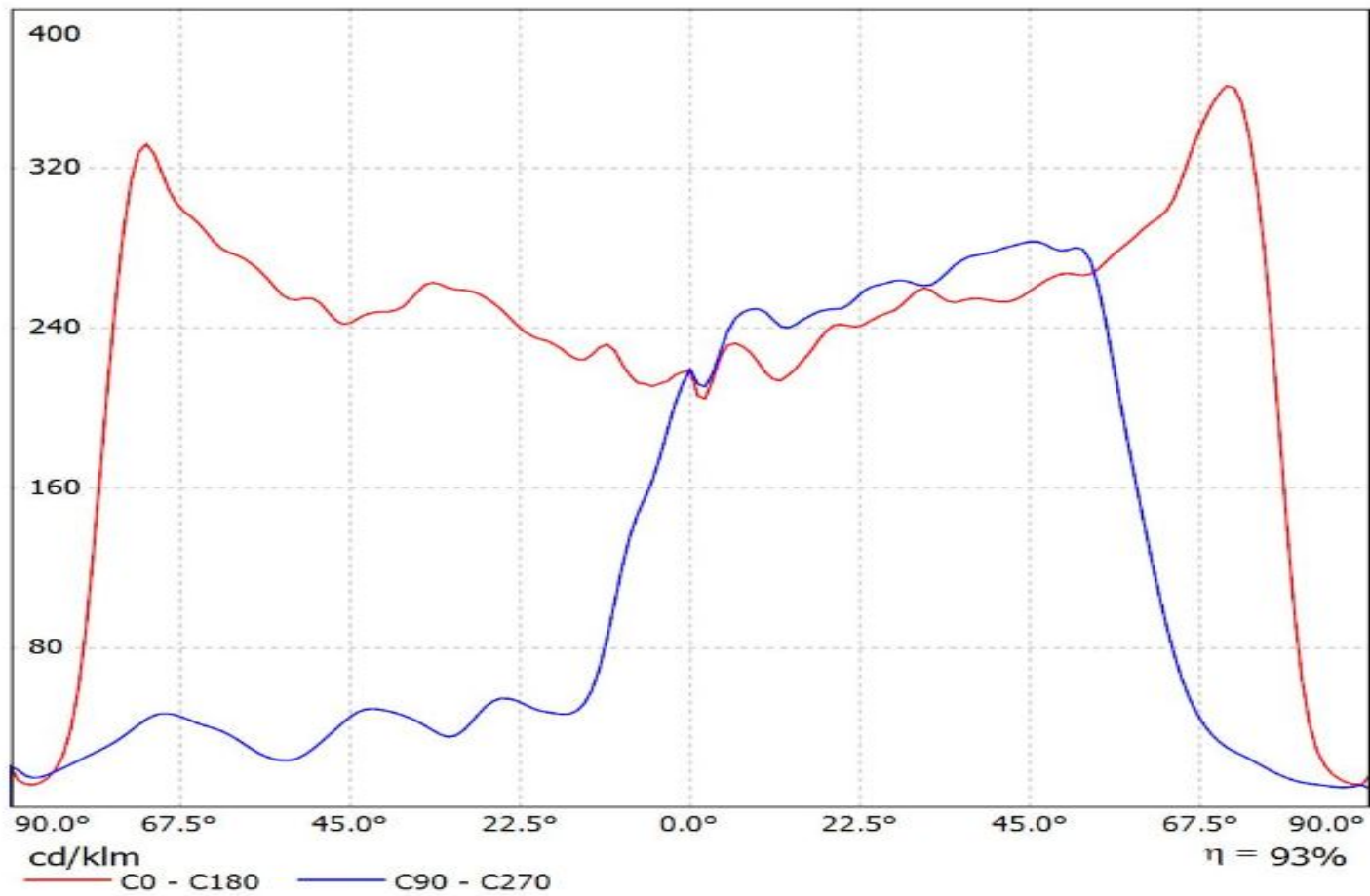




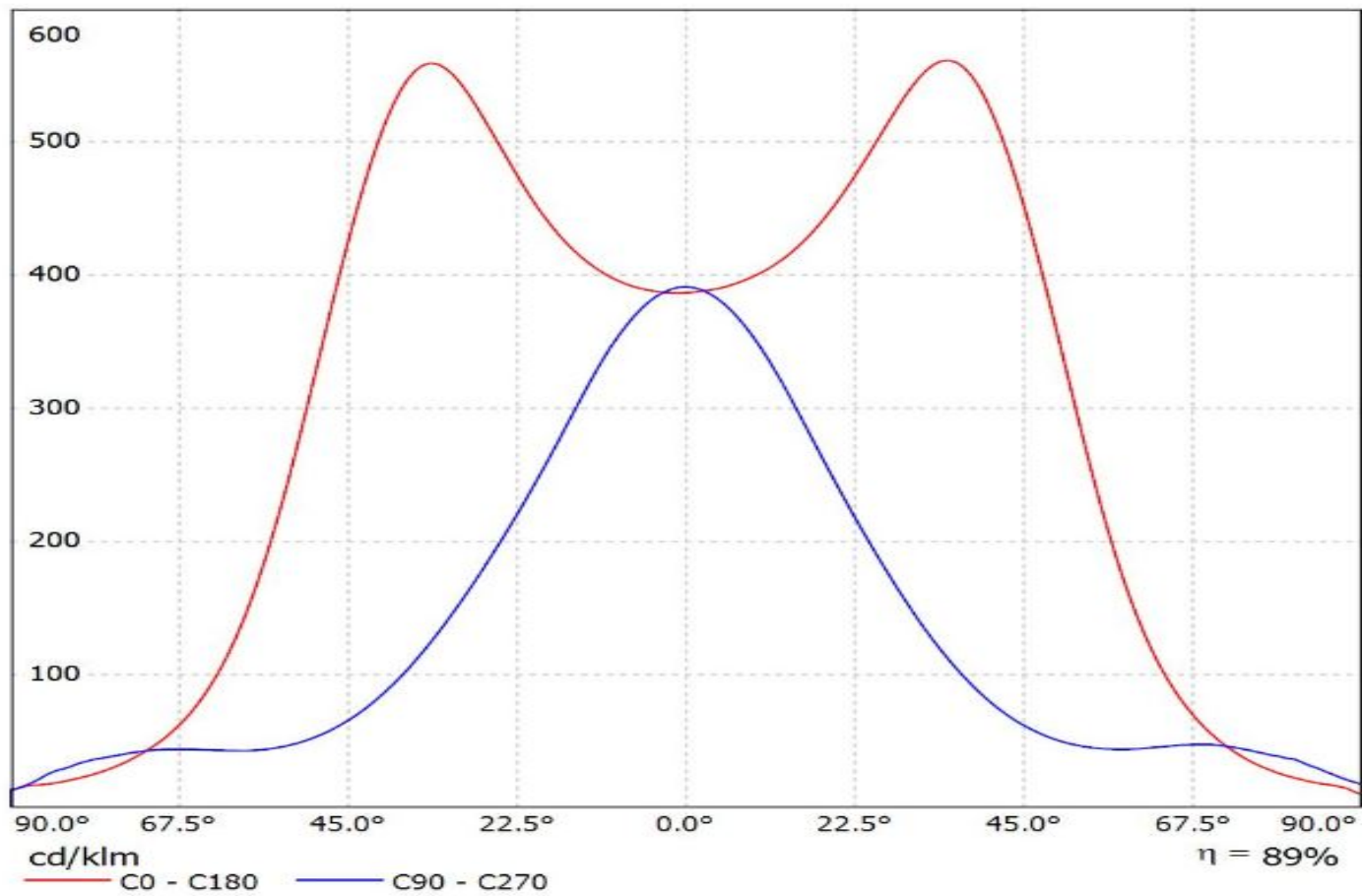




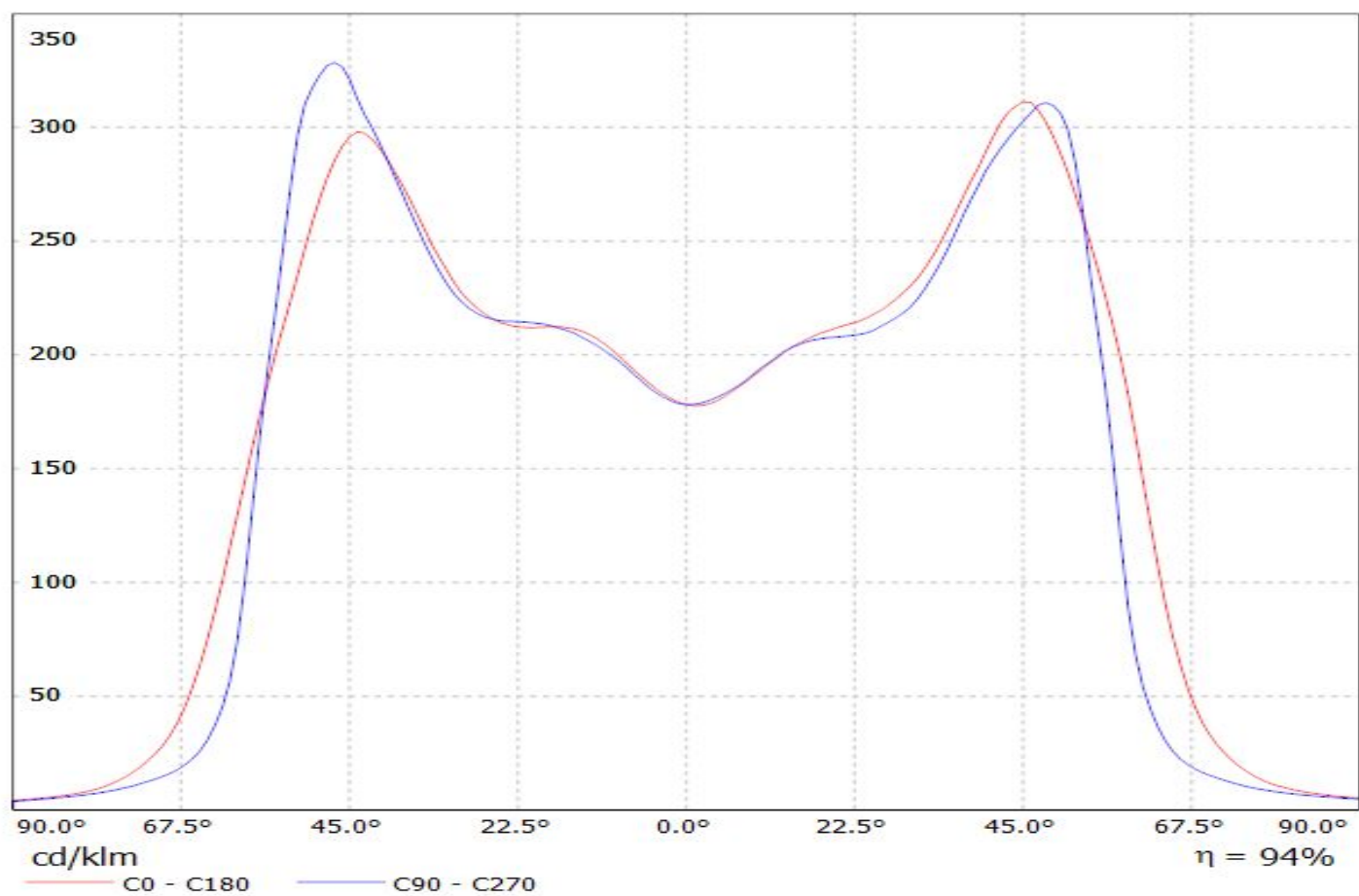
Luminaire: Ledil Oy CS15887\_STRADA-IP-2X6-T3-B-90\_(XP-L)\_SIMULATED  
Lamps: 1 x Cree XP-L



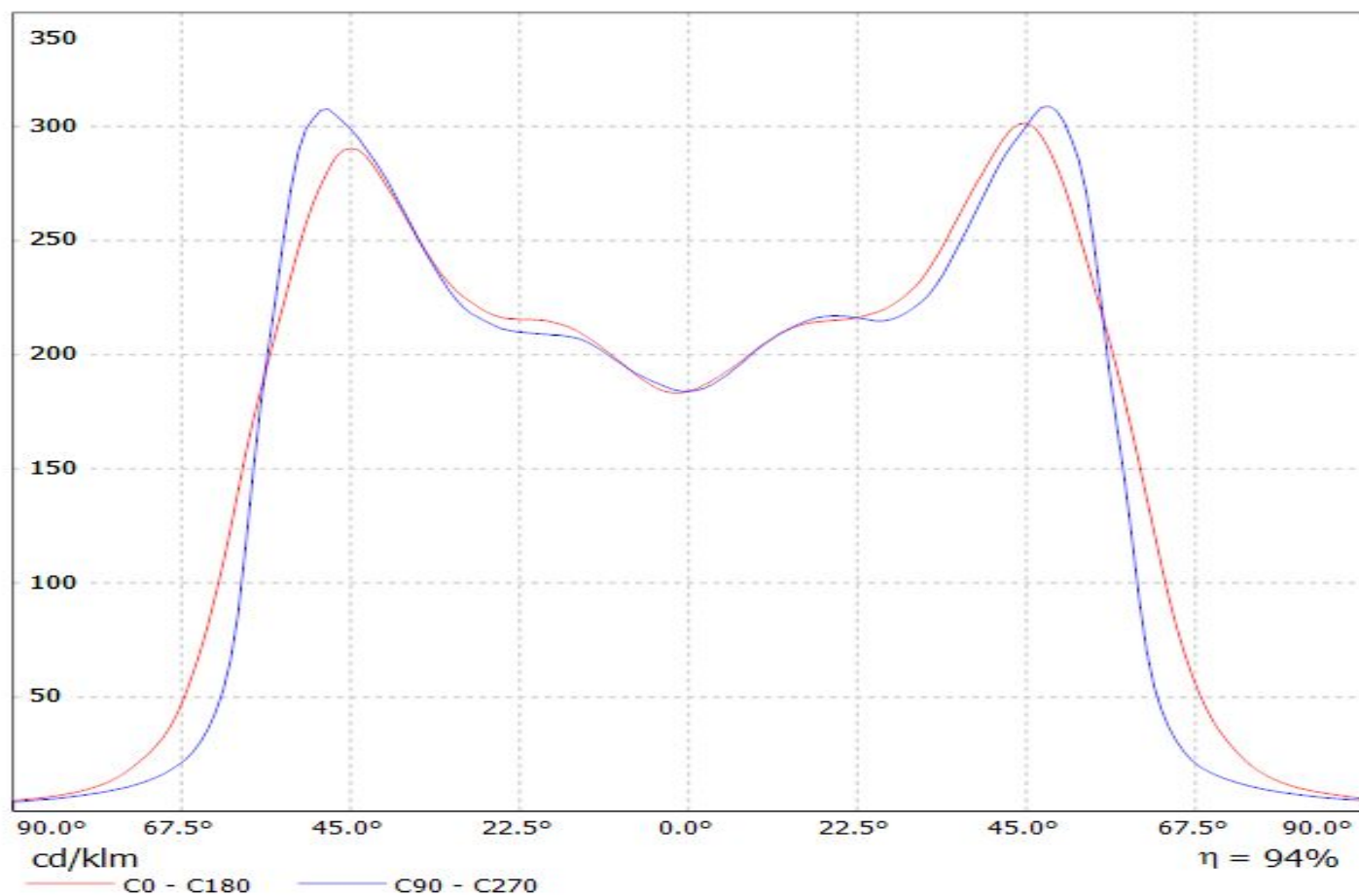
Luminaire: LEDiL Oy CA14843\_STRADA-B2\_(XP-L)\_Cav2  
Lamps: 1 x Cree\_(XP-L)\_123.939lm@250mA\_P=0.736105W\_I=0.2499A



Luminaire: LEDiL Oy CA14219\_STRADA-SQ-CY\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_127.18lm@250mA\_P=0.737584W\_I=249.9mA



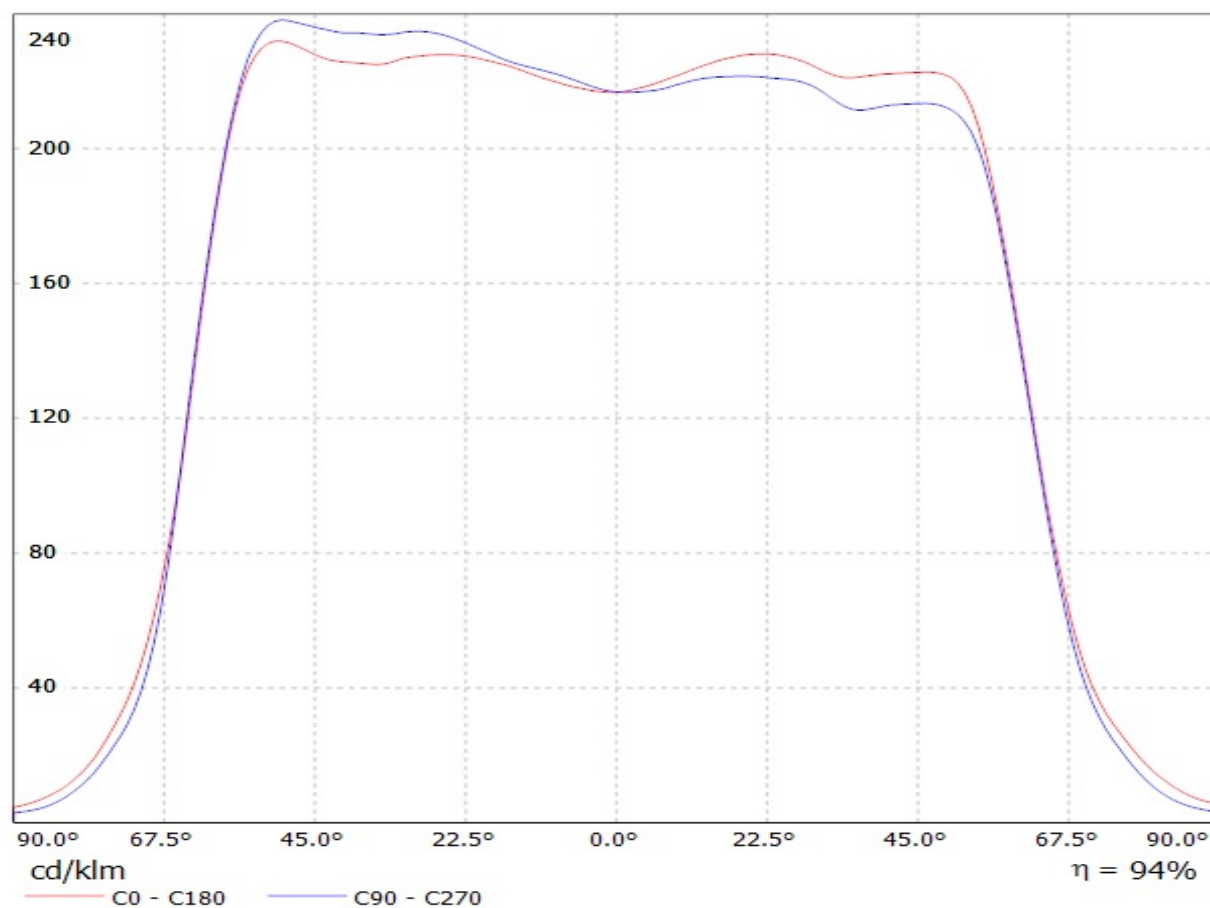
Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_129.82lm@250mA\_P=0.737584W\_I=249.9mA



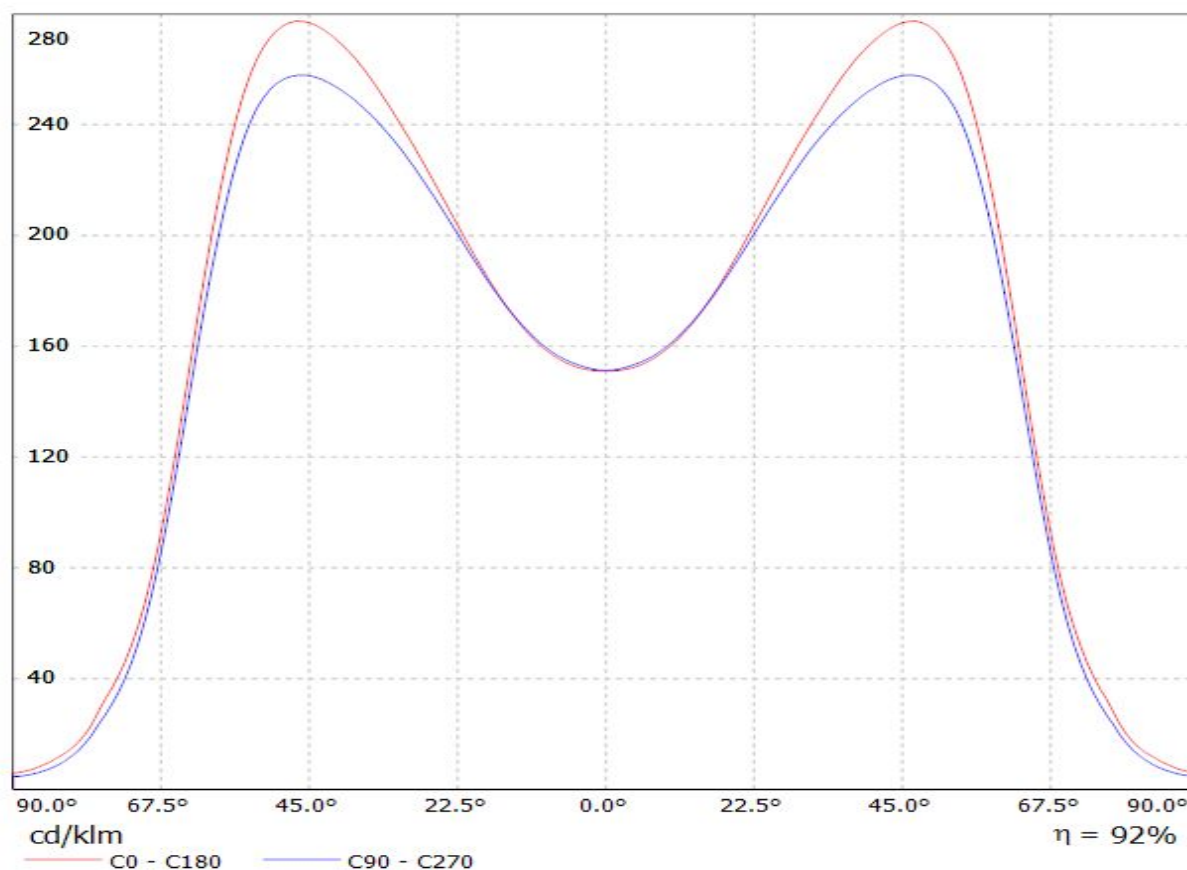


Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(XP-L)

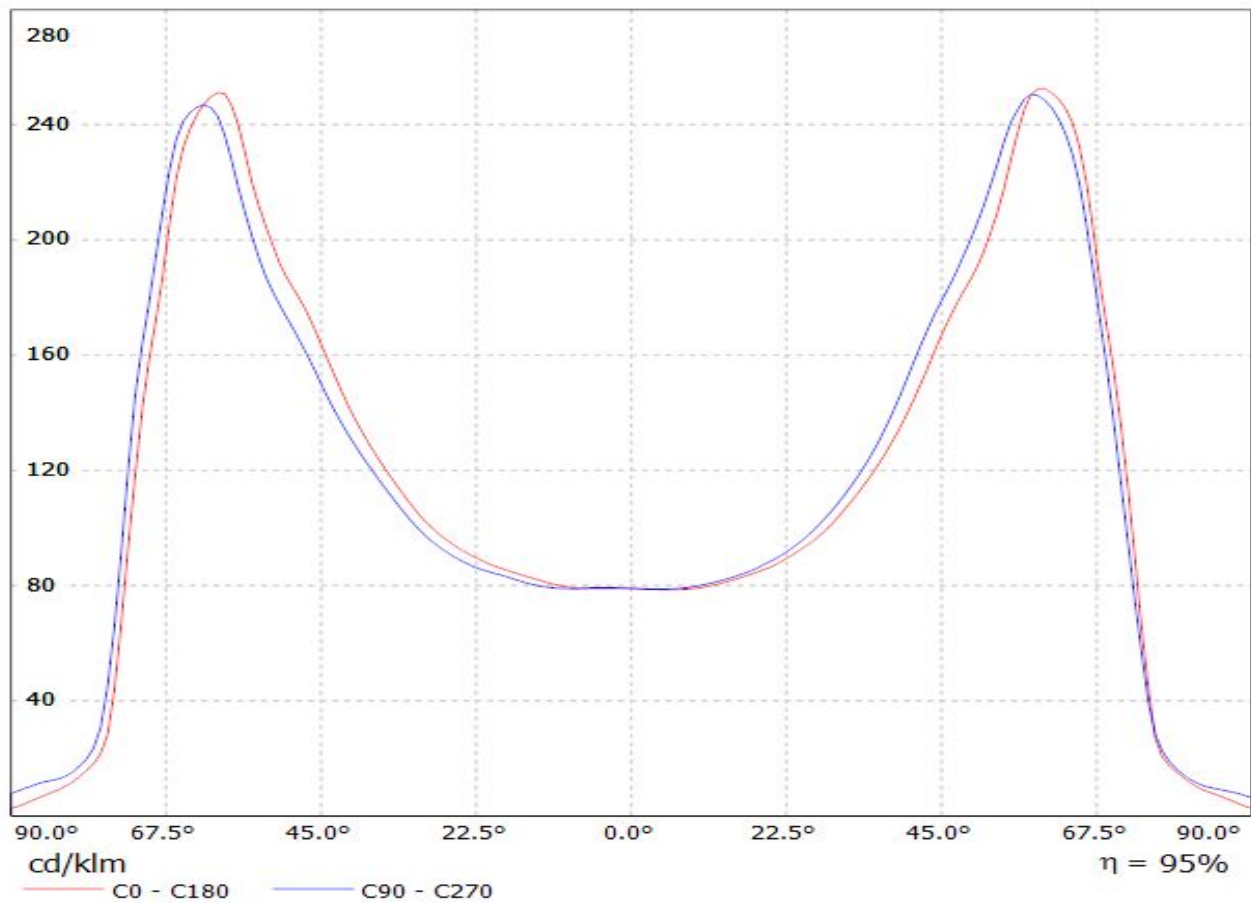
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515.57lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



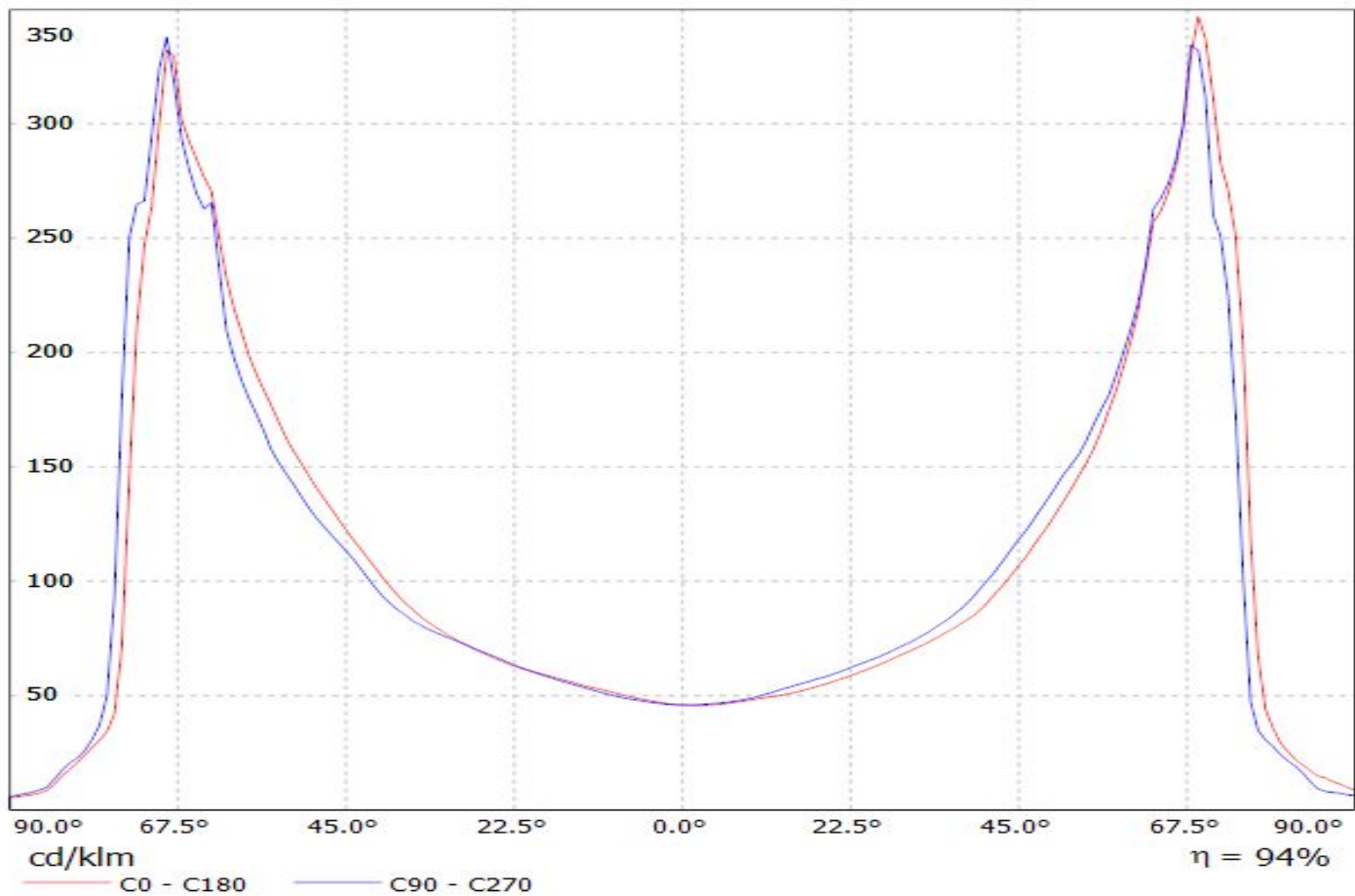
Luminaire: LEDiL Oy C13937\_STRADA-2x2-C-STP\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_504.373lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



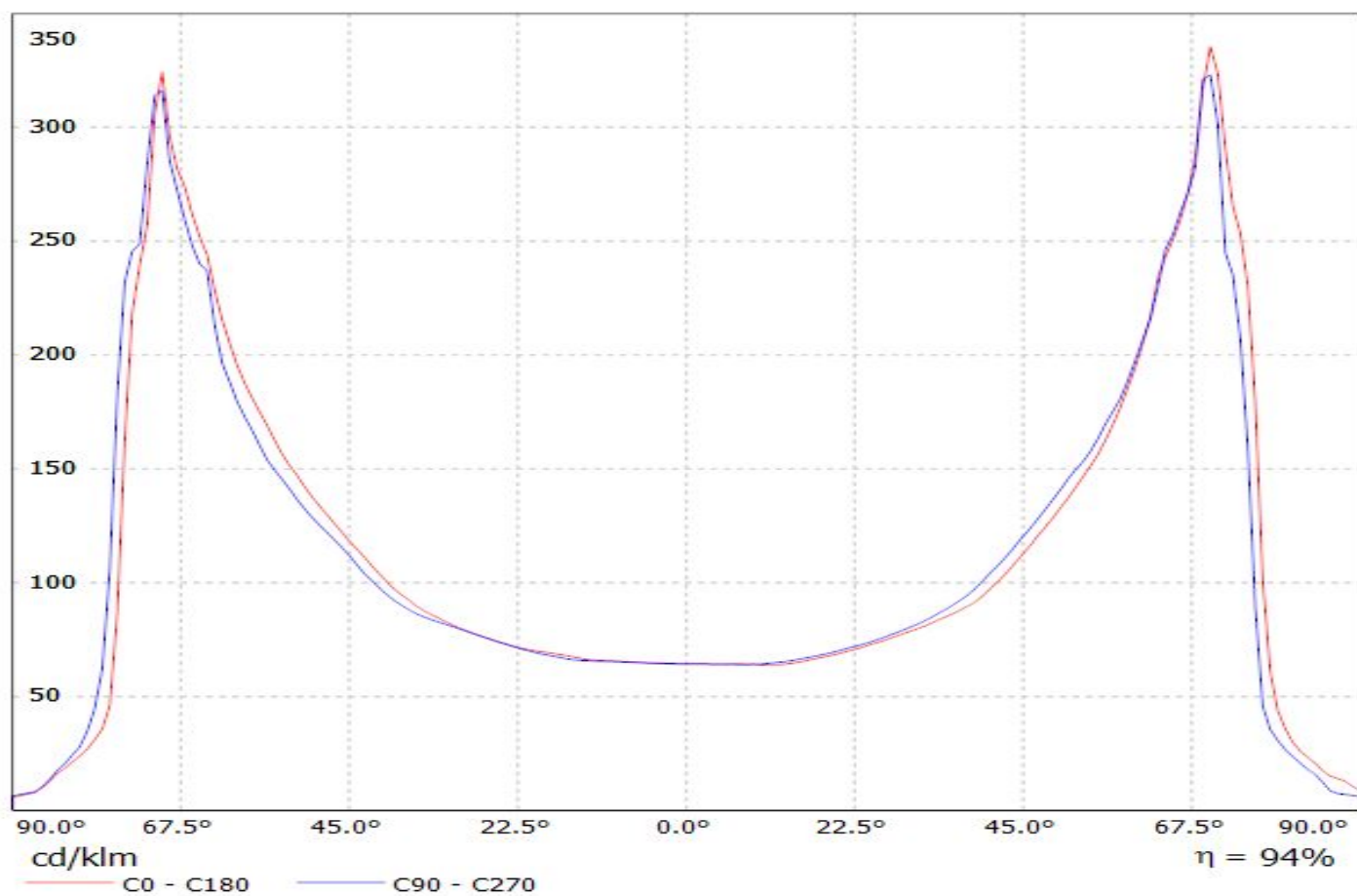
Luminaire: LEDiL Oy CS15020\_STRADA-IP-2X6-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_η=0.250A



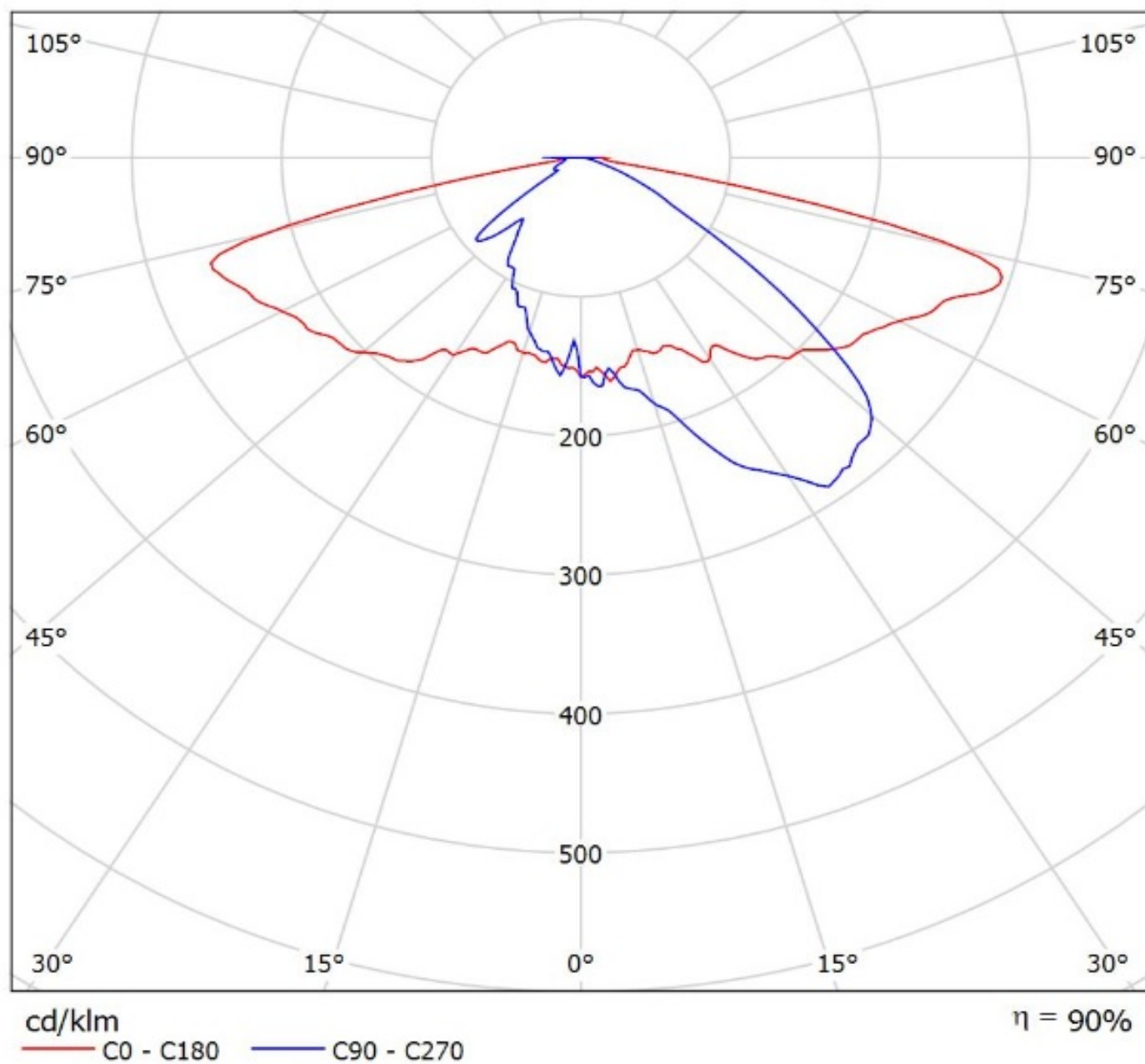
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



Luminaire: LEDiL Oy C12727\_STRADA-SQ-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_130.23lm@250mA\_P=0.738255W\_I=249.9mA



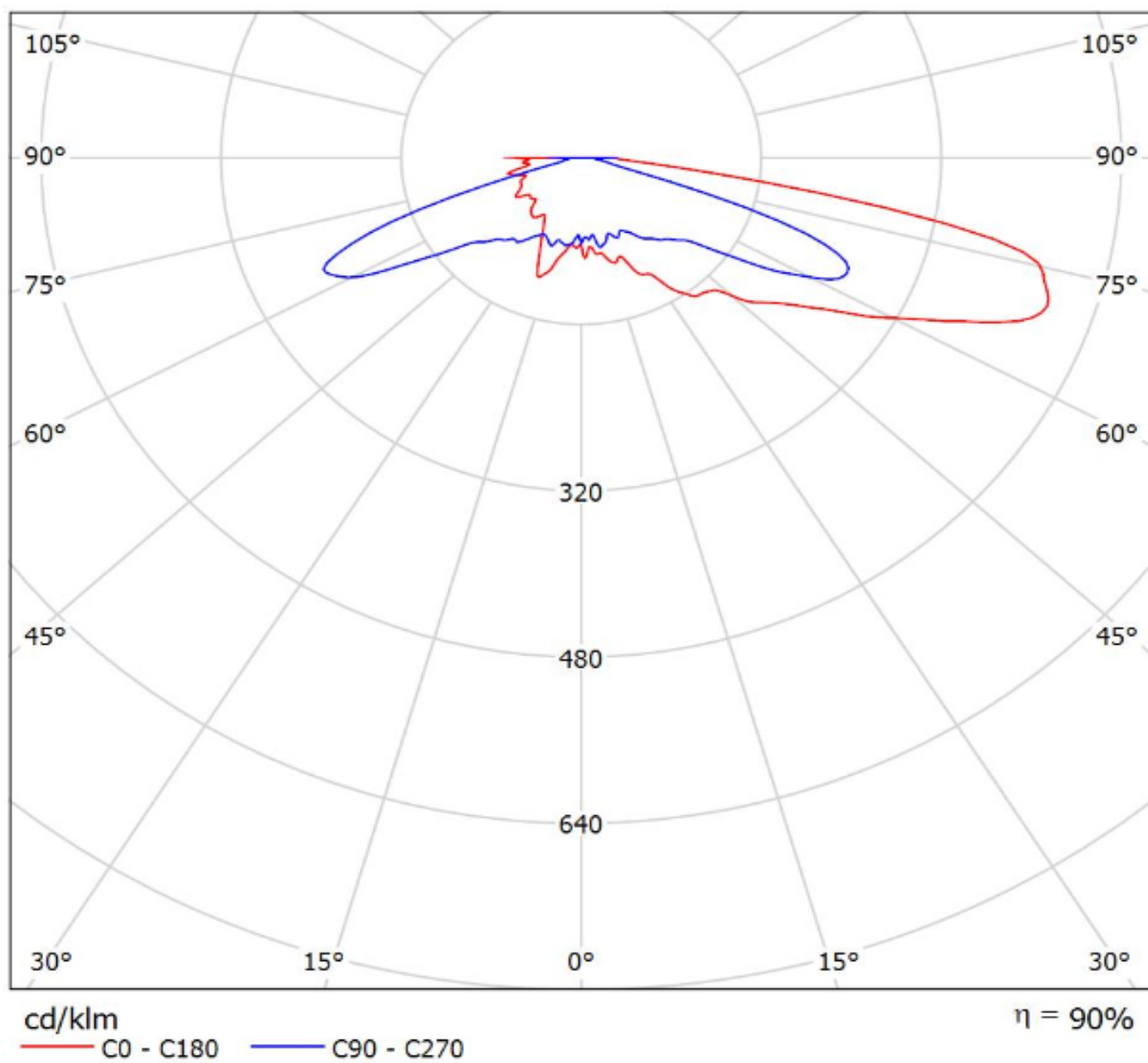
Luminaire: Ledil Oy C14165\_STRADA-2X2-ME-WIDE2\_(XP-L)\_SIMULATED  
Lamps: 1 x Cree XP-L





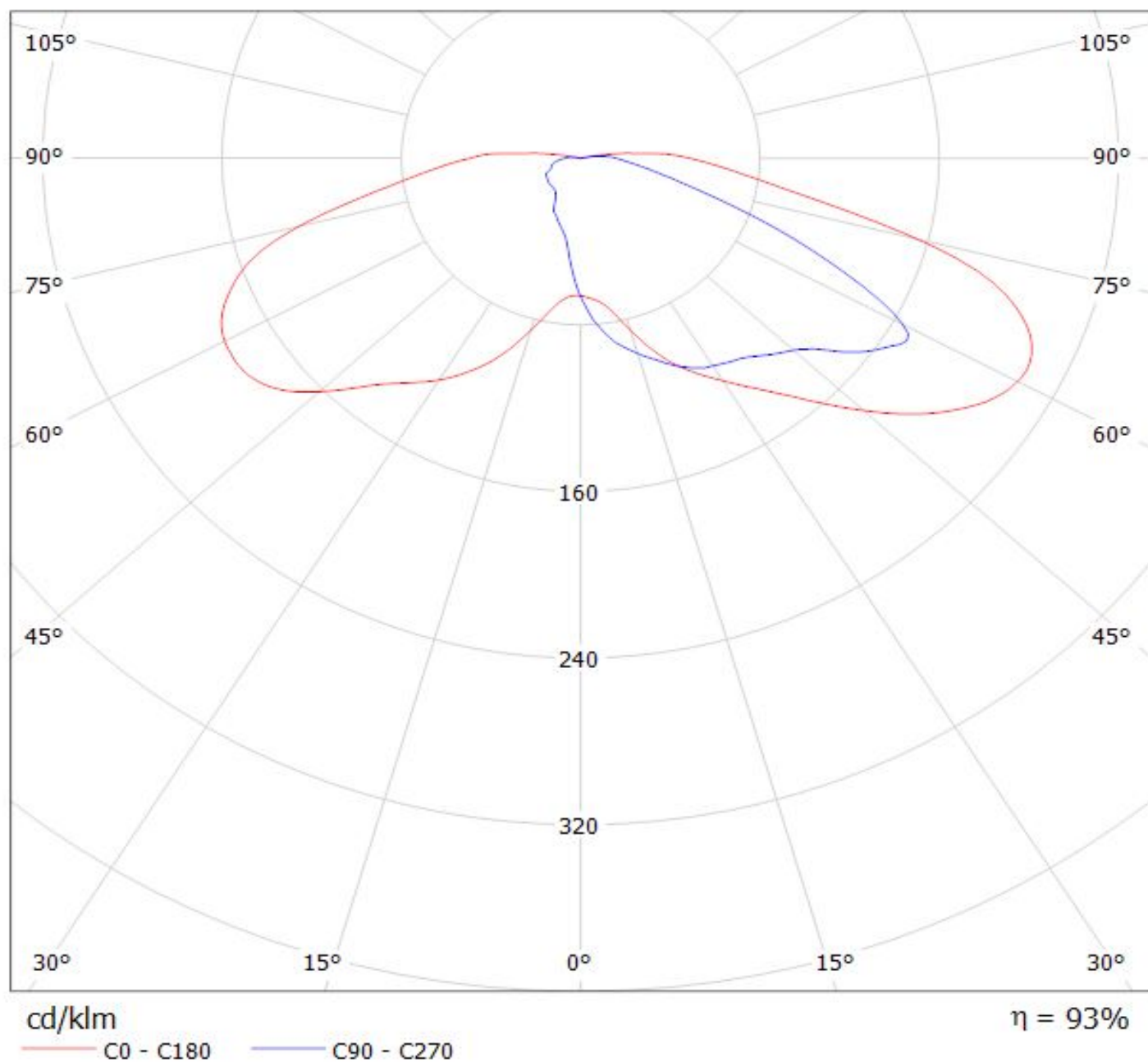
Luminaire: Ledil Oy C15014\_STRADA-2X2-T4-B\_simulated\_XP-L

Lamps: 1 x Cree XP-L



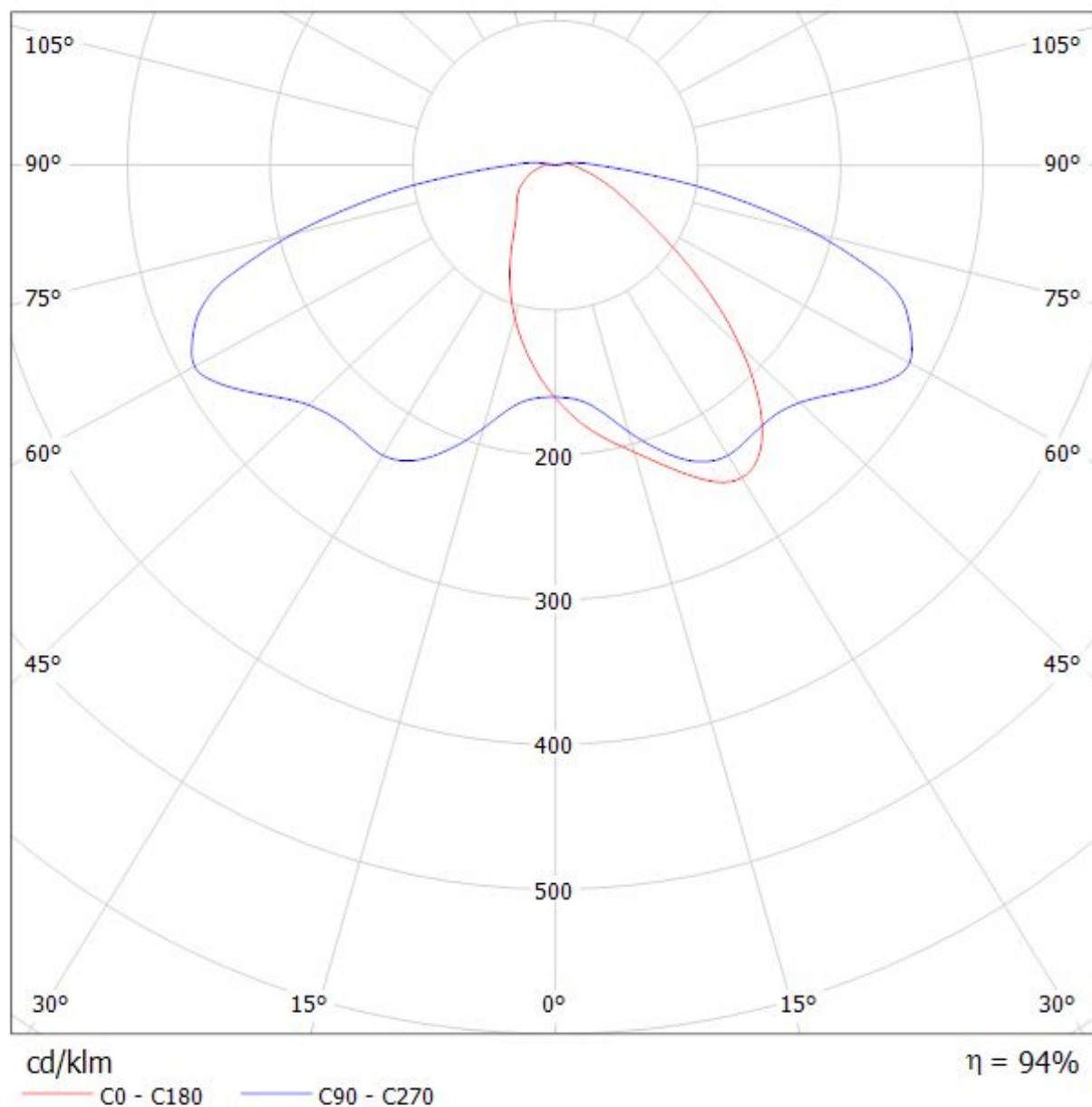
Luminaire: LEDiL Oy CA12087\_STRADA-FW\_(XP-L)

Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA

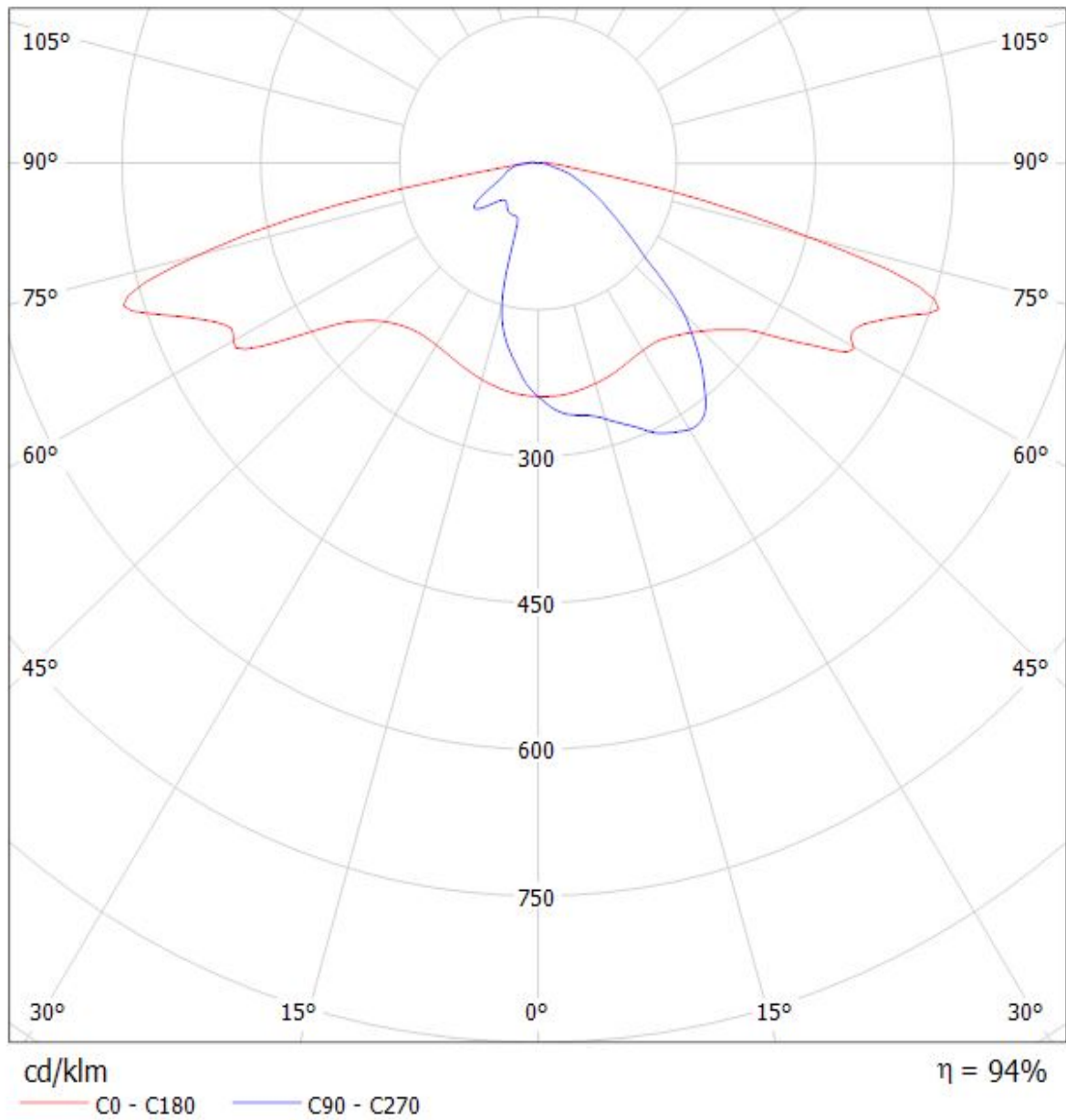


Luminaire: LEDiL Oy C12360\_STRADA-2x2-DNW\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_510lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

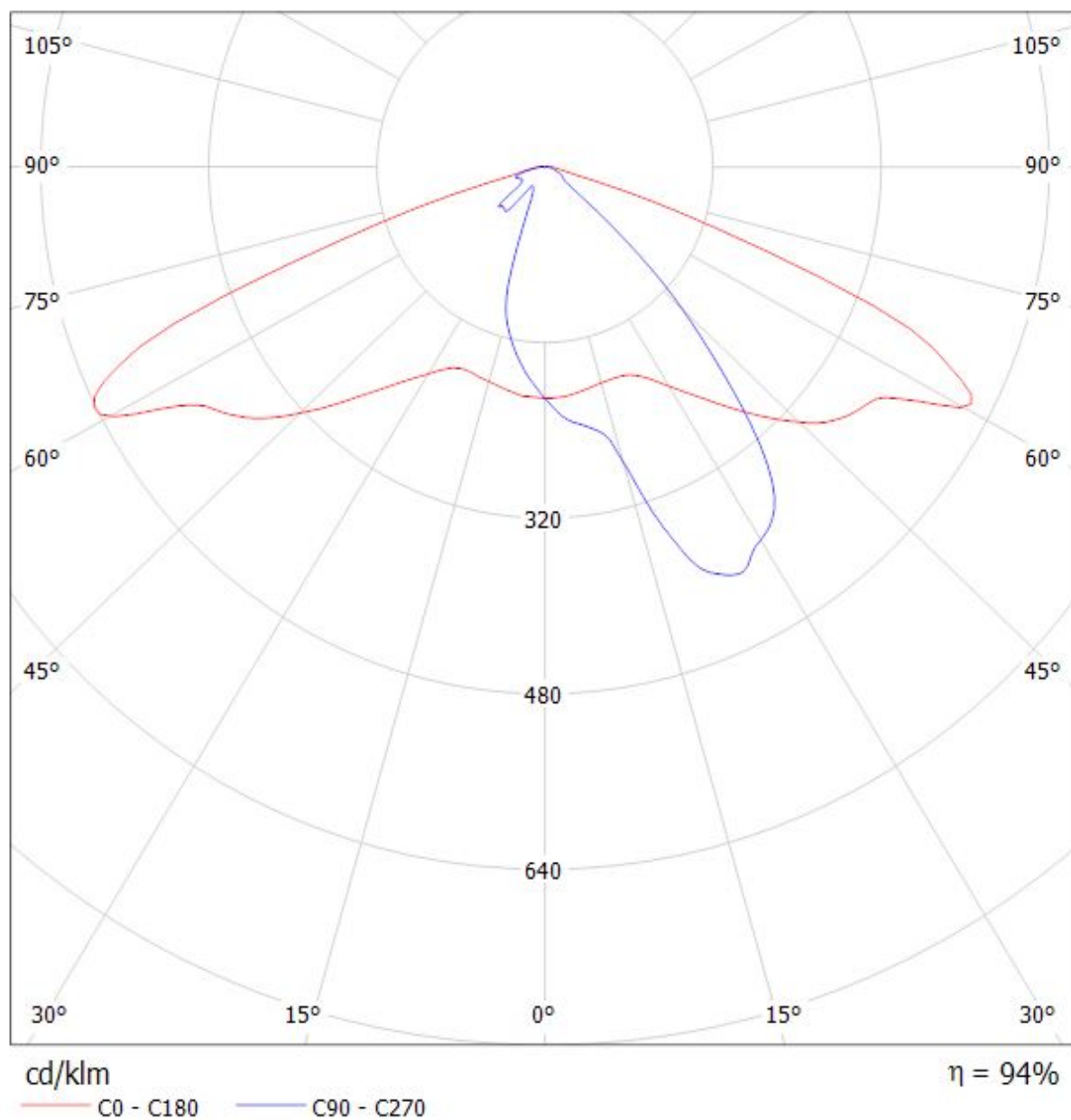


Luminaire: LEDiL Oy C12362\_STRADA-2X2-DWC\_(XP-L) Eff.94.2%  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_504.373lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

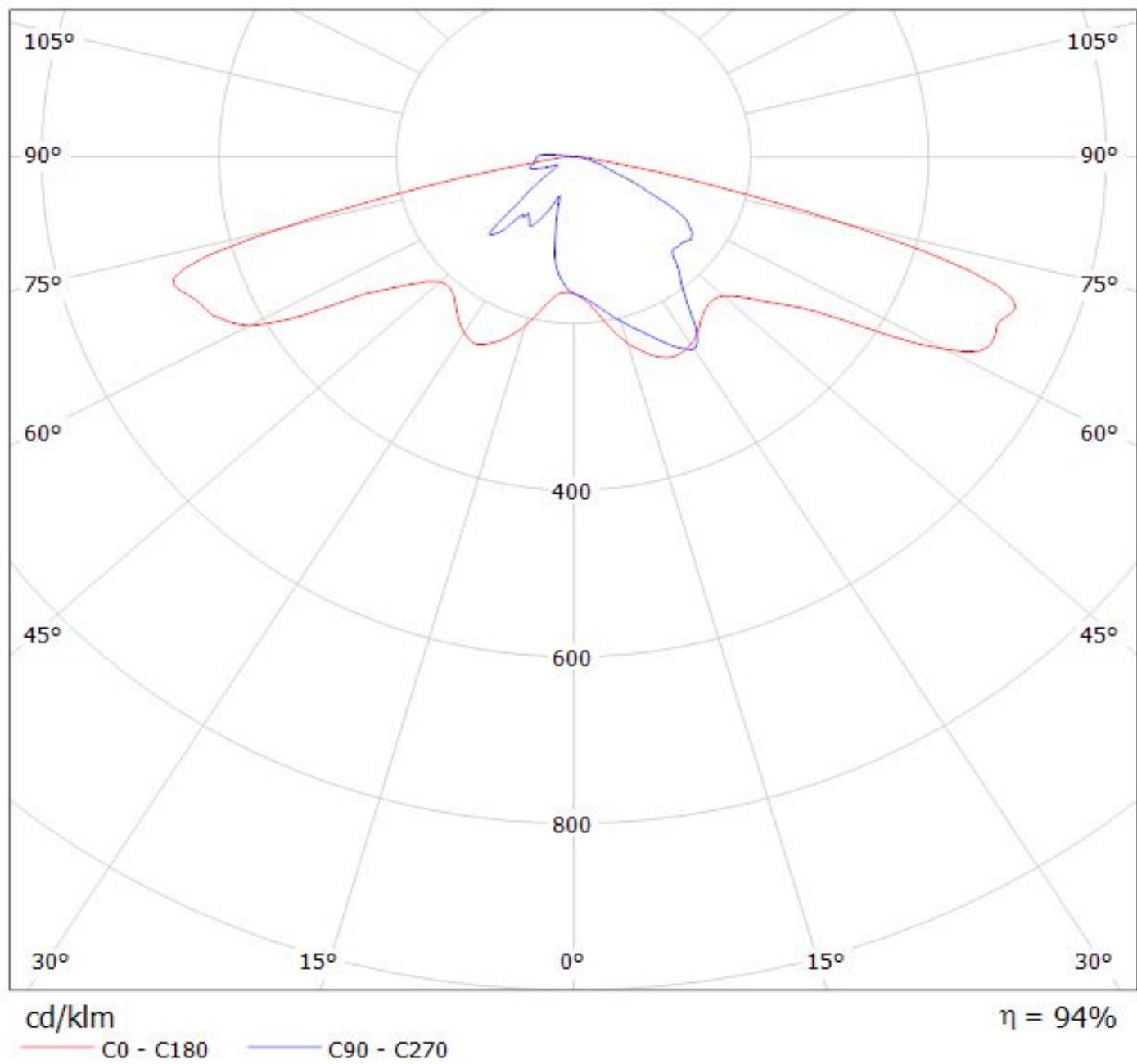


Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_517lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



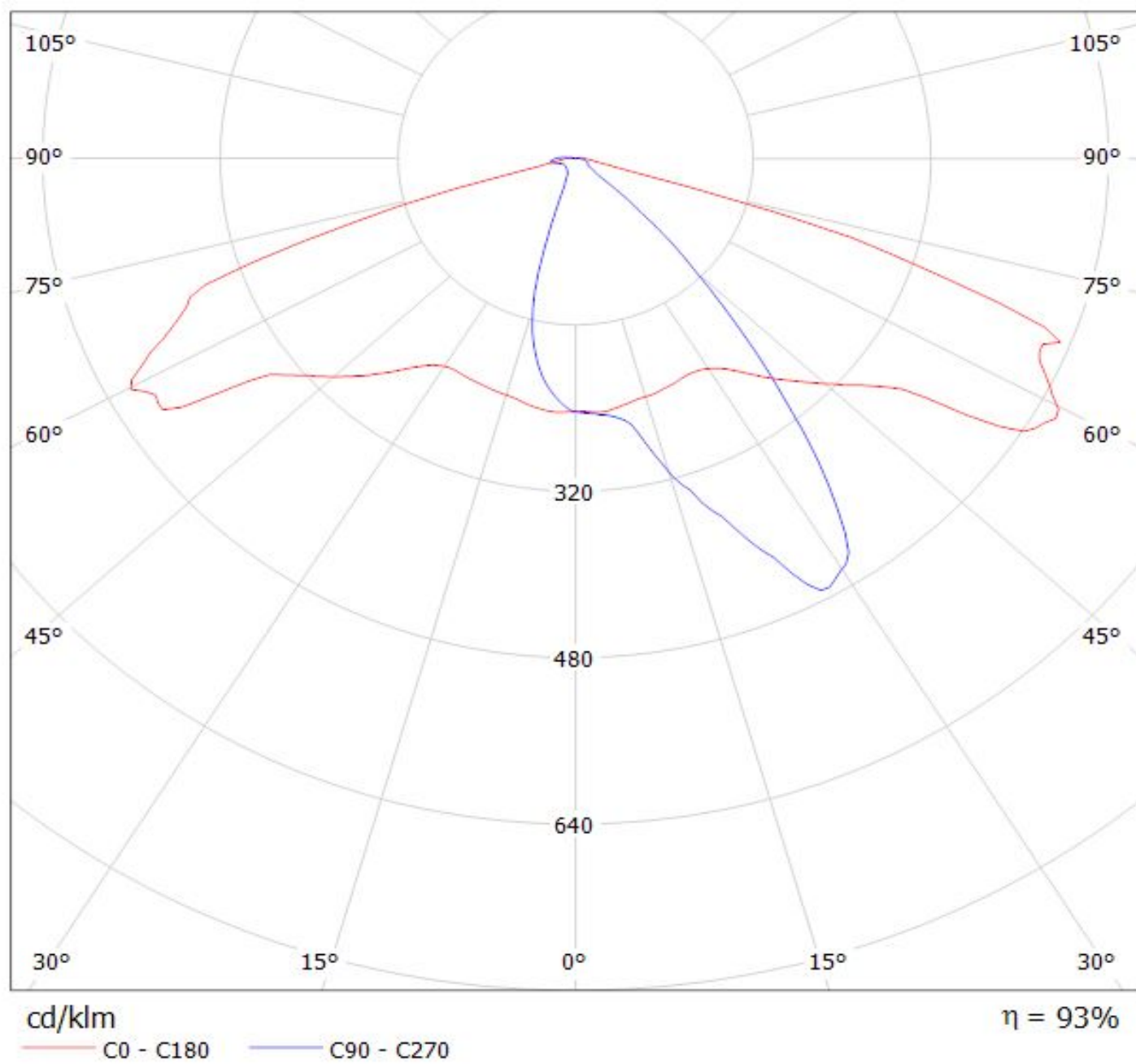
Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_127.23lm@250mA\_P=0.738255W\_I=249.9mA





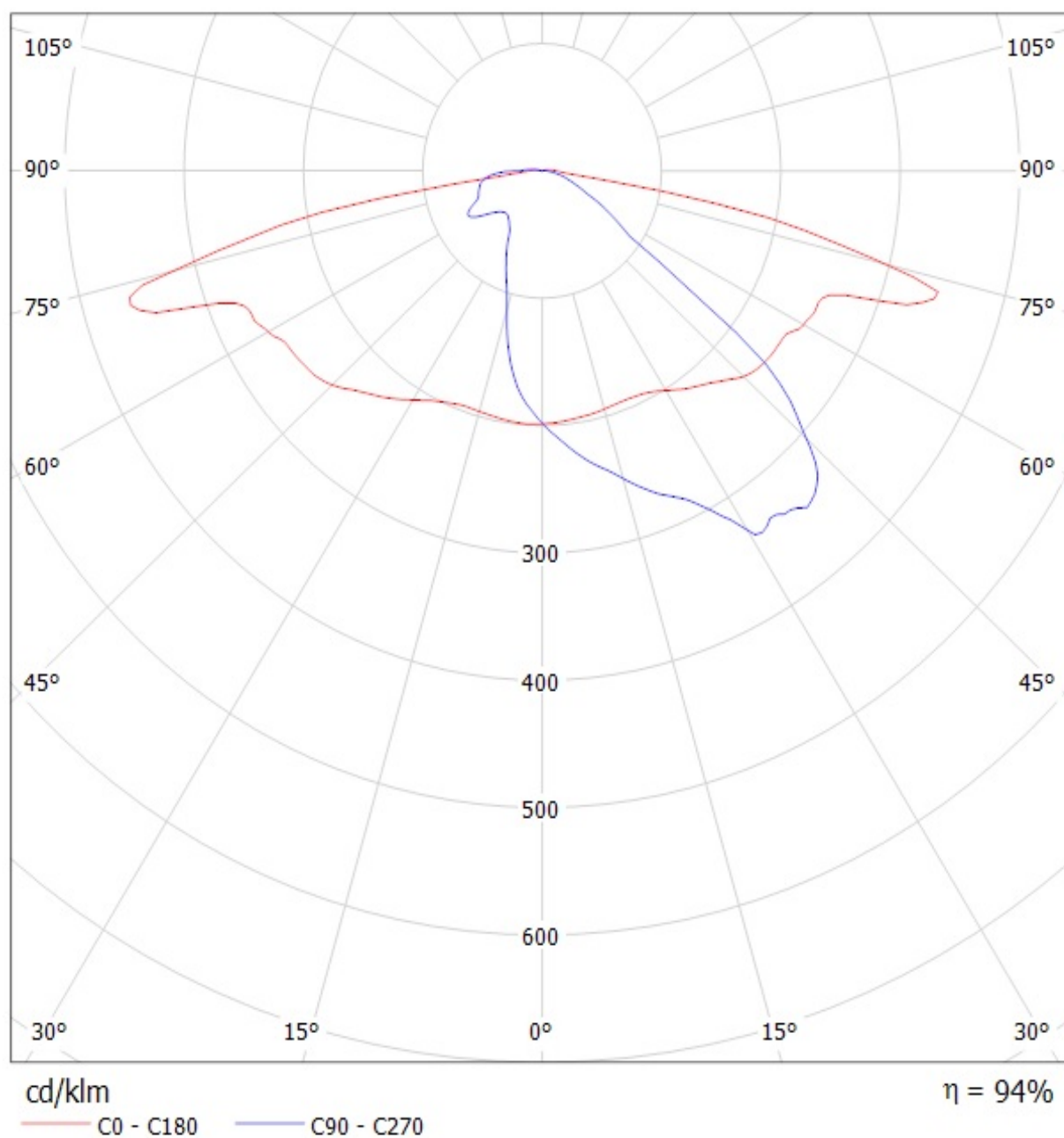
Luminaire: LEDiL Oy CA13119\_STRADA-SQ-A-T\_(XP-L)

Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



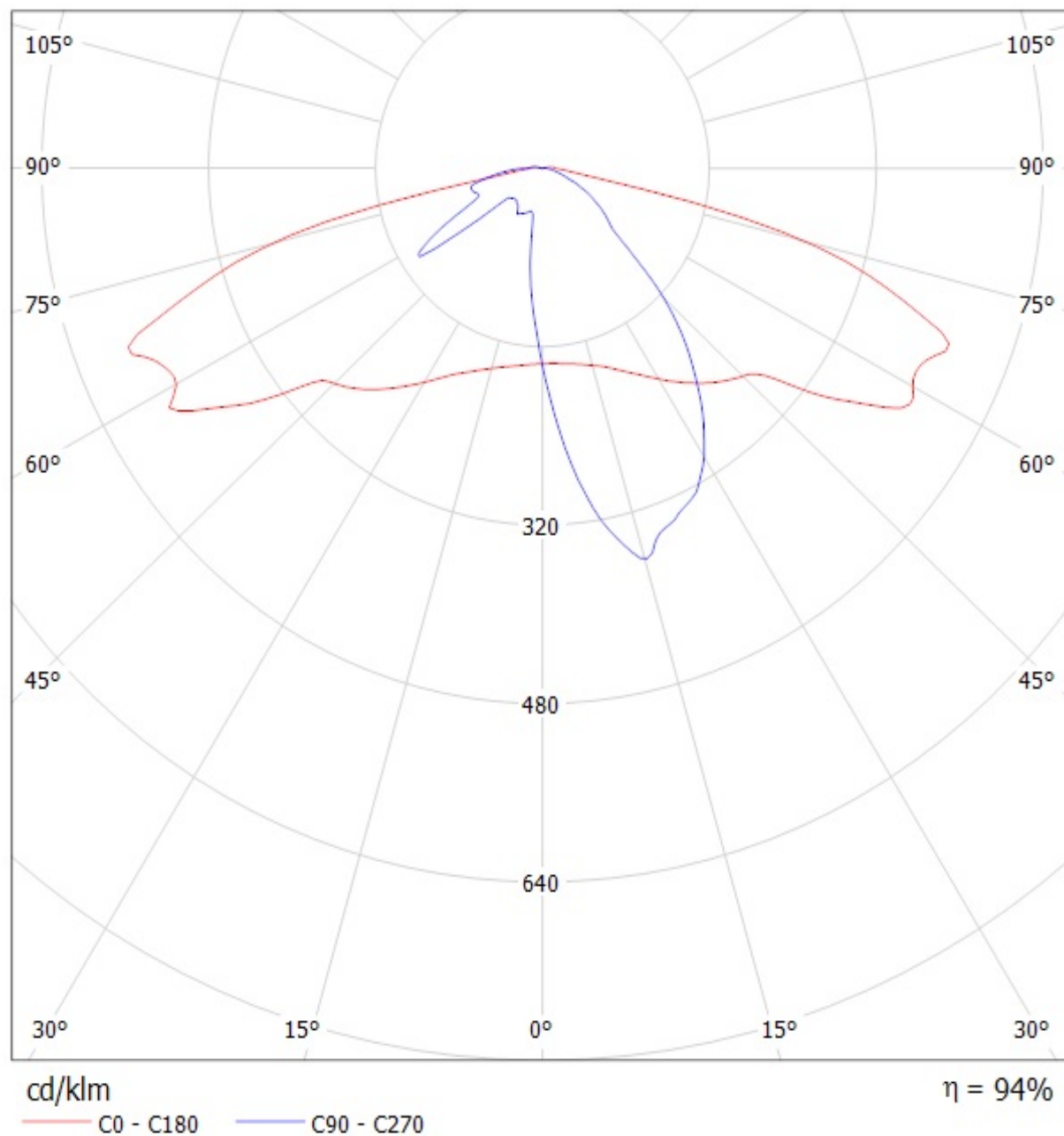
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_518.95lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



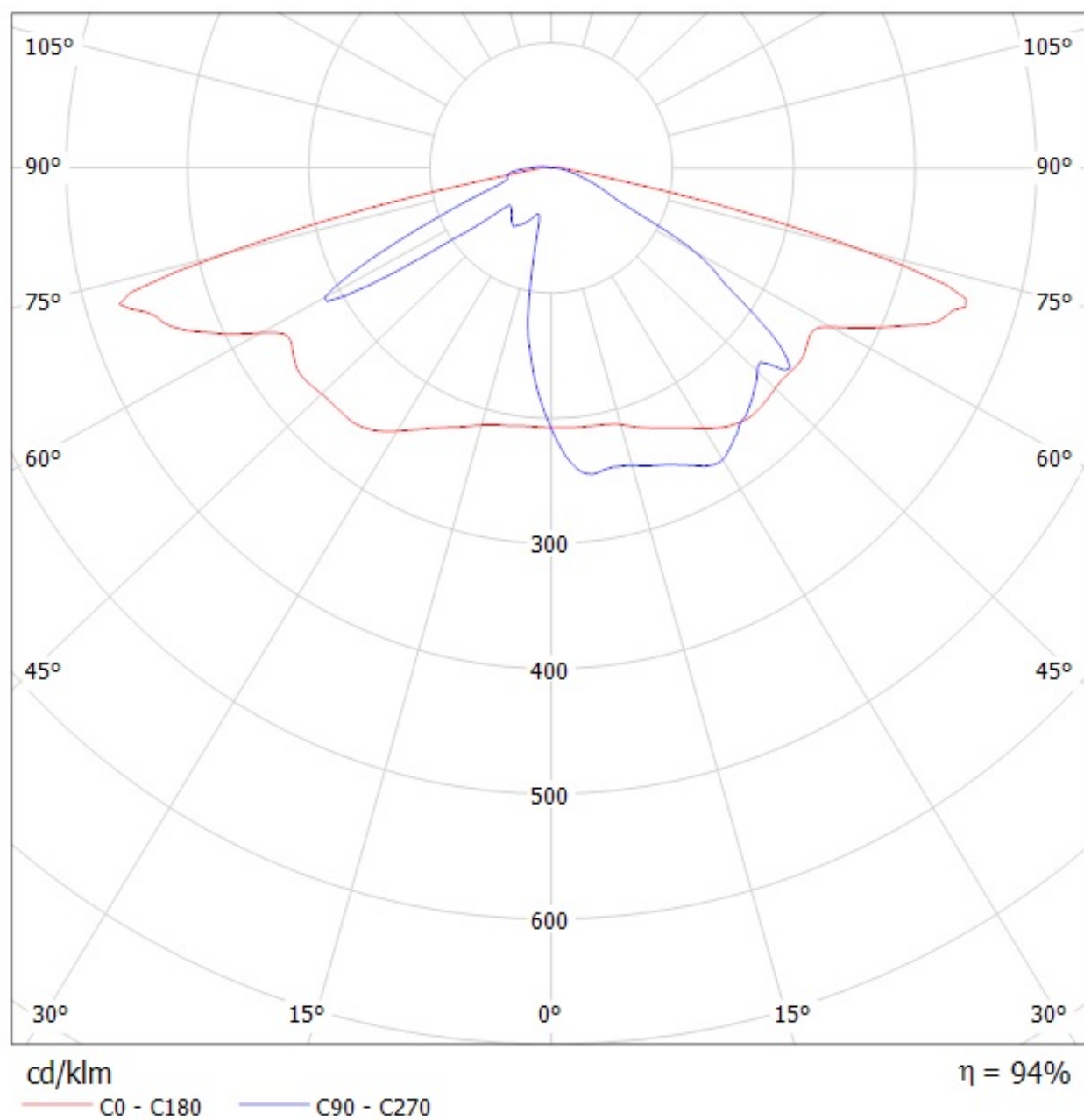
Luminaire: LEDiL Oy C13300\_STRADA-2x2-T2\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_508.75lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



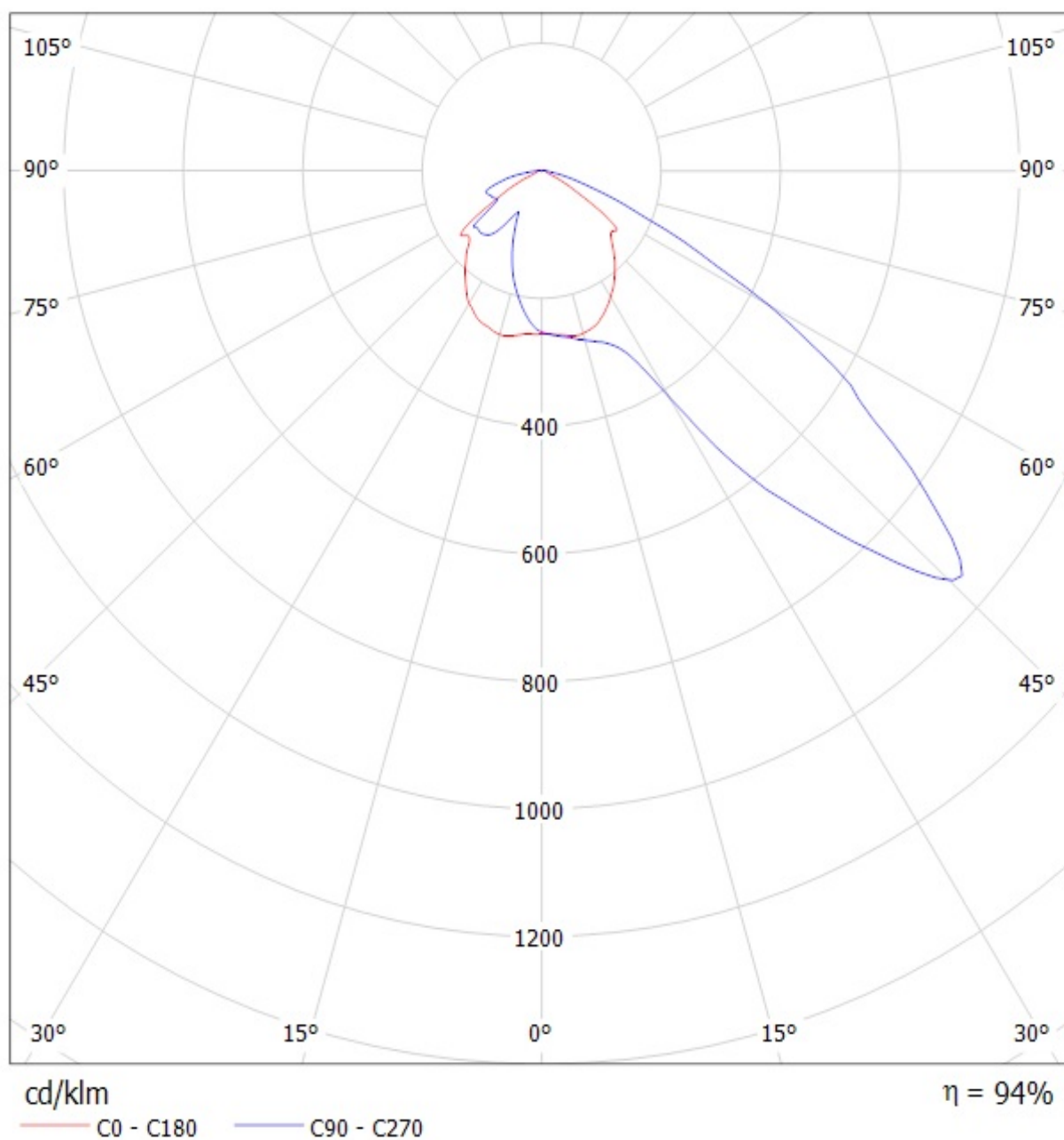
Luminaire: LEDiL Oy C13301\_STRADA-2x2-T3\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_514lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



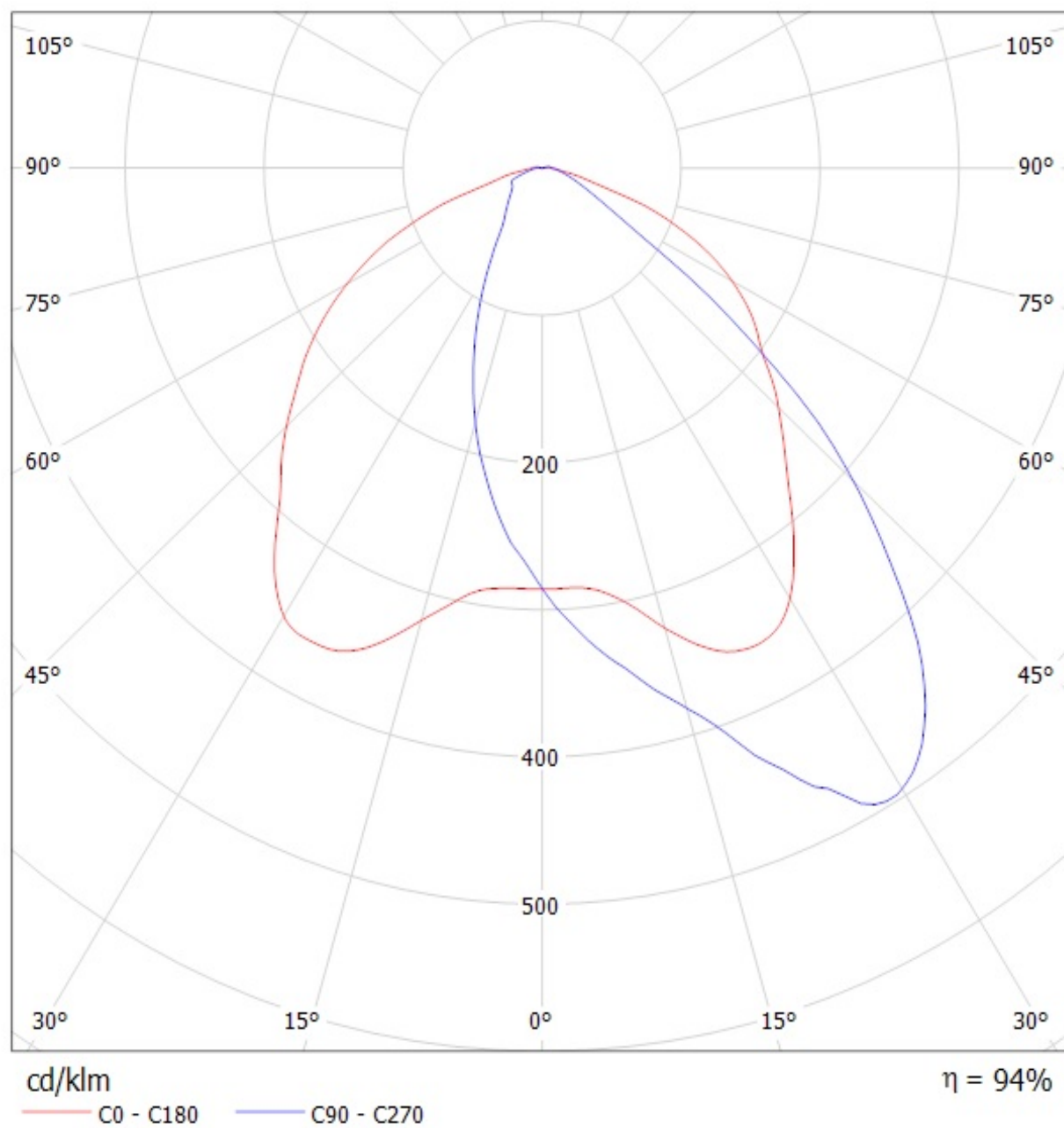
Luminaire: LEDiL Oy C13604\_STRADA-2x2-FN\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_512.69lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



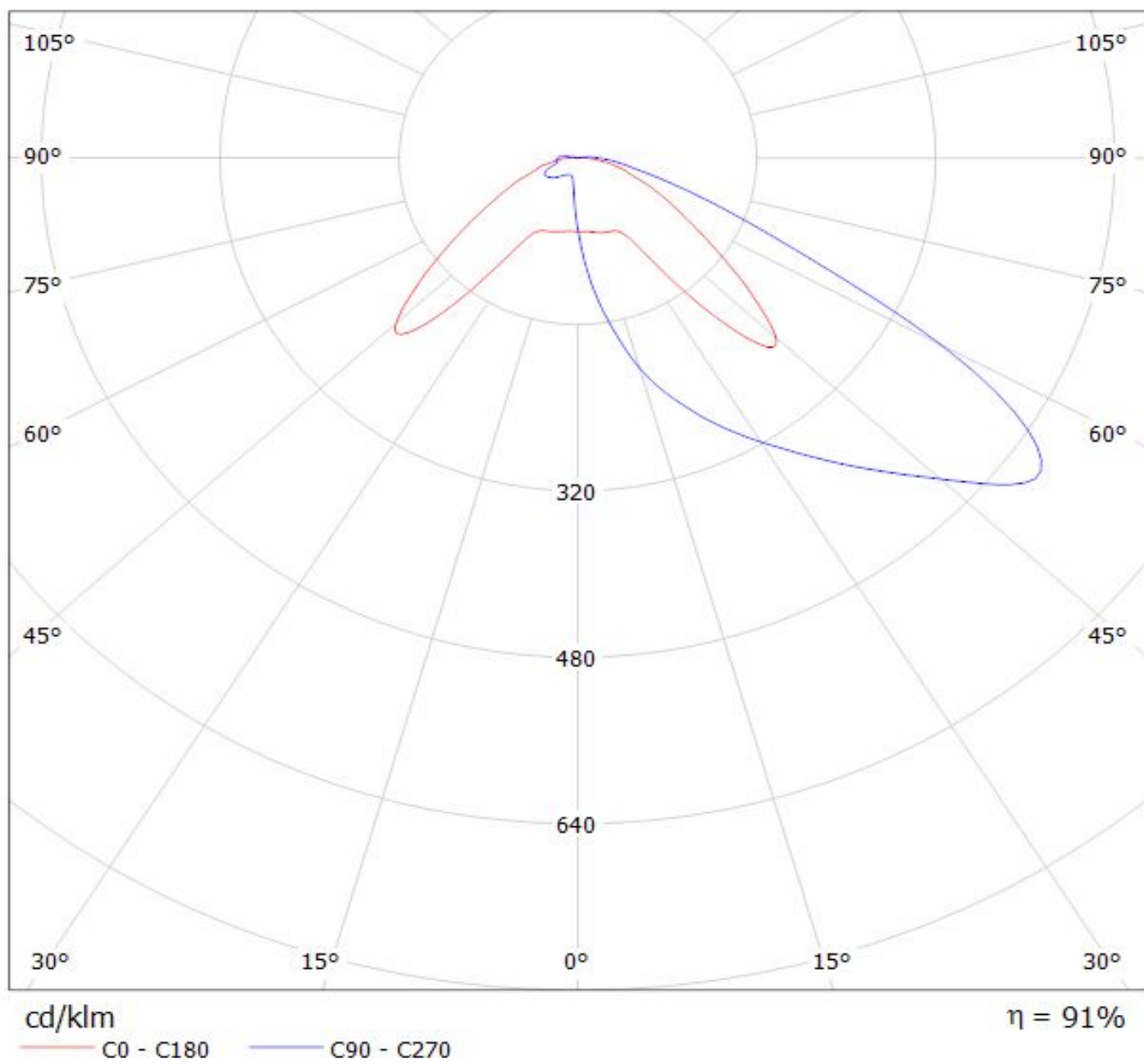
Luminaire: LEDiL Oy C13699\_STRADA-2x2-DN\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_516.55lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

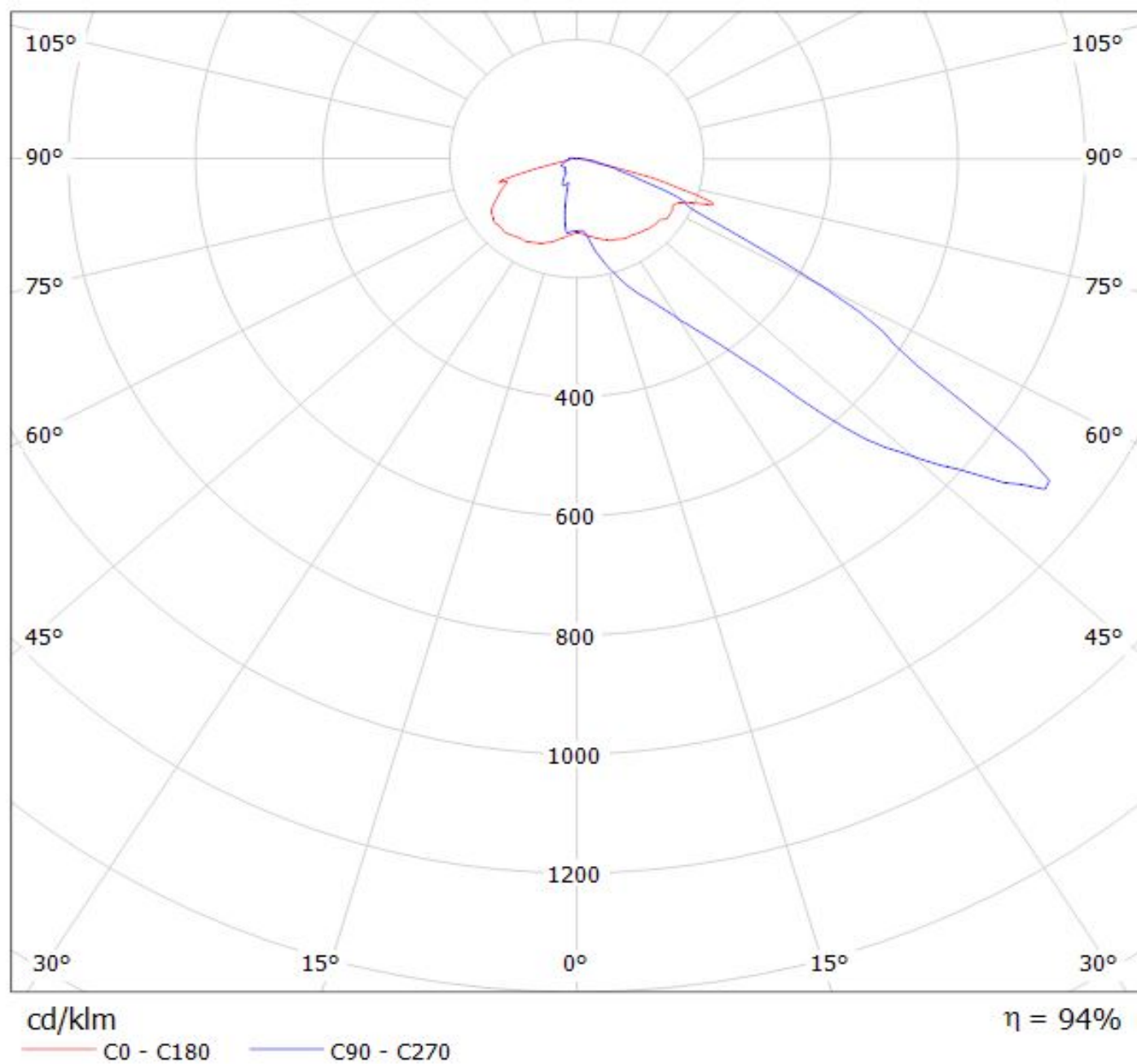




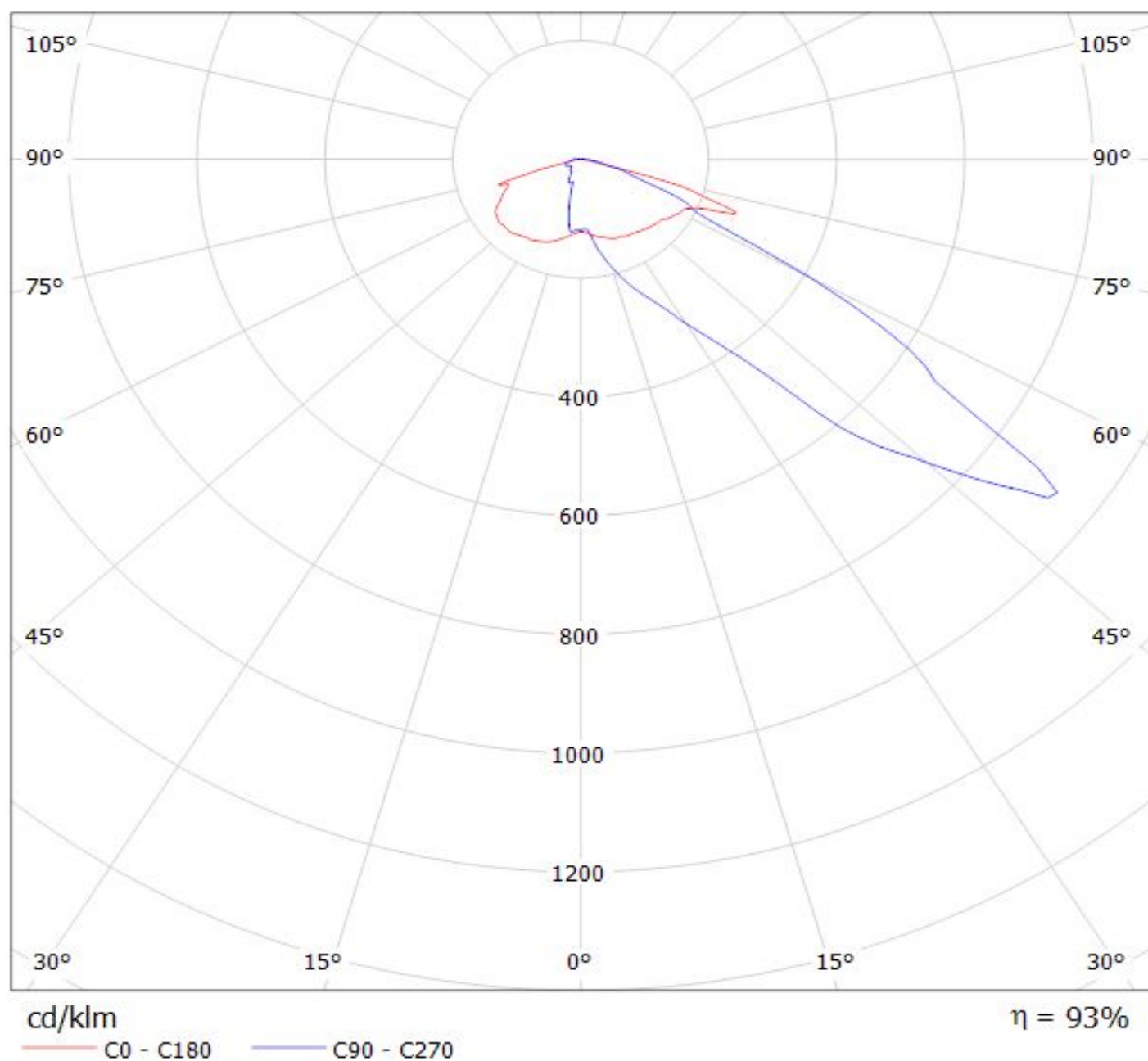
Luminaire: LEDiL Oy CA13752\_STRADA-SQ-FT\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA



Luminaire: LEDiL Oy C13757\_STRADA-SQ-FS-NP\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA

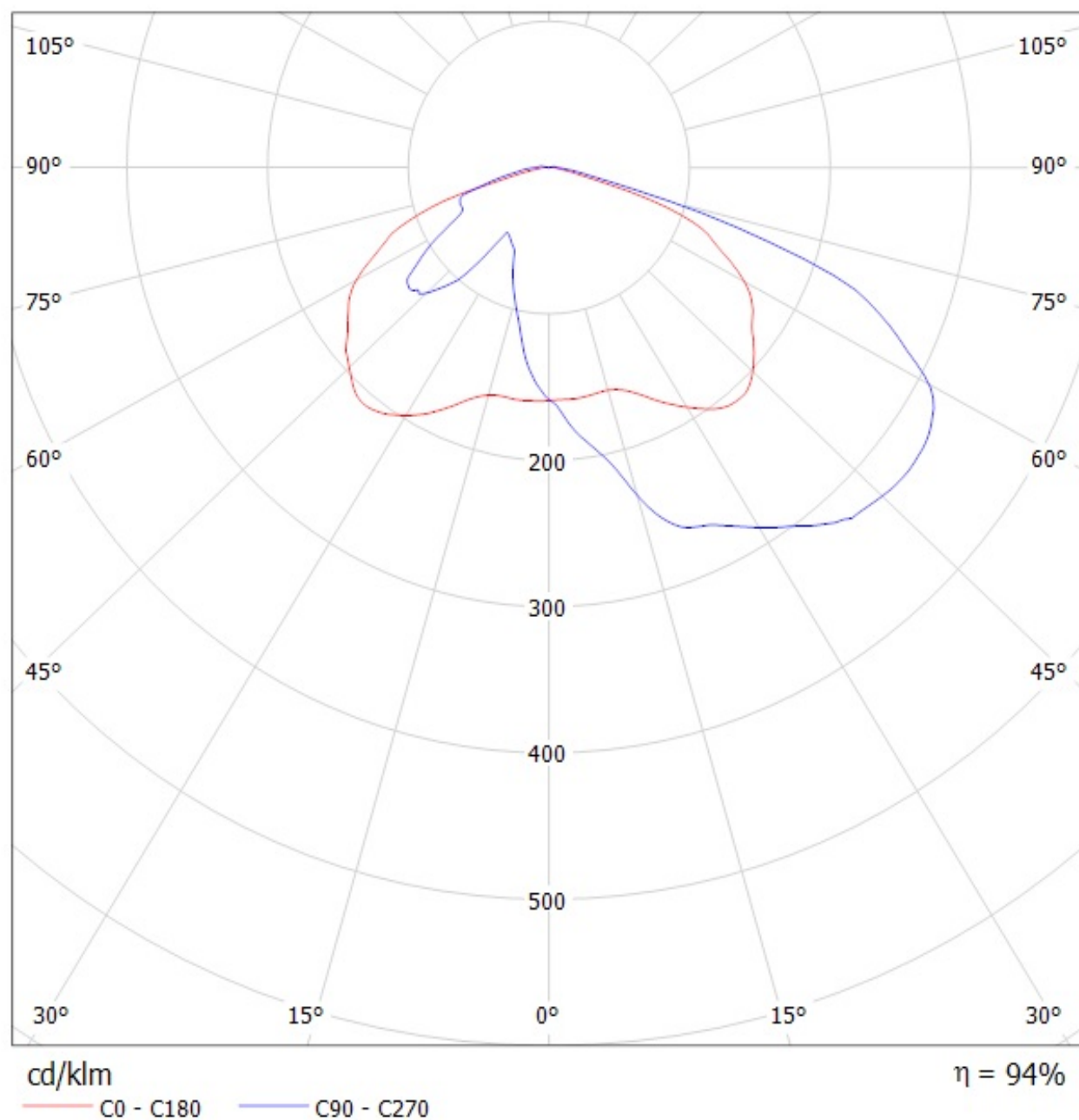


Luminaire: LEDiL Oy CA13758\_STRADA-SQ-FS-NP\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA

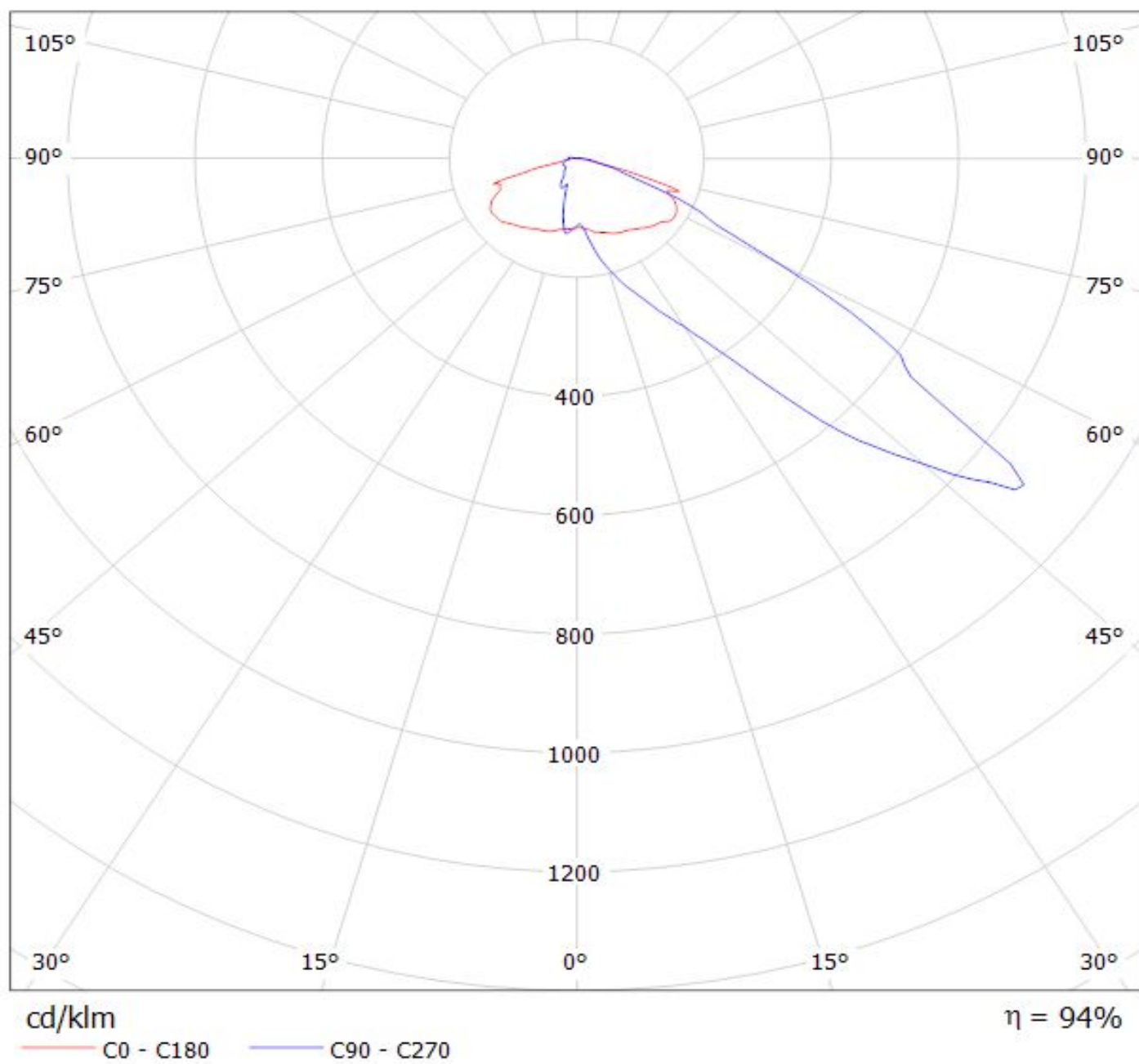


Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(XP-L)

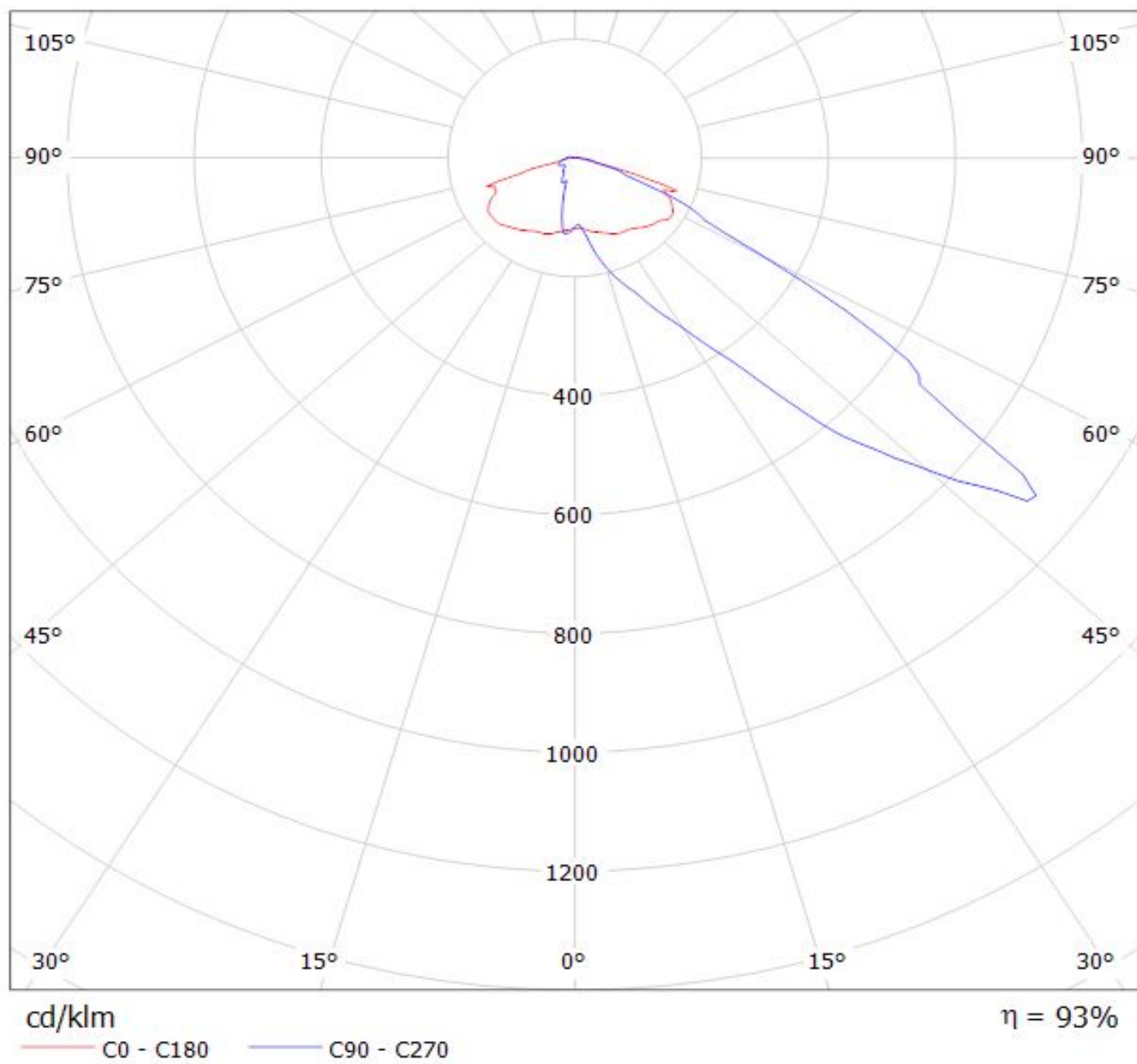
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy C13896\_STRADA-SQ-FS\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA



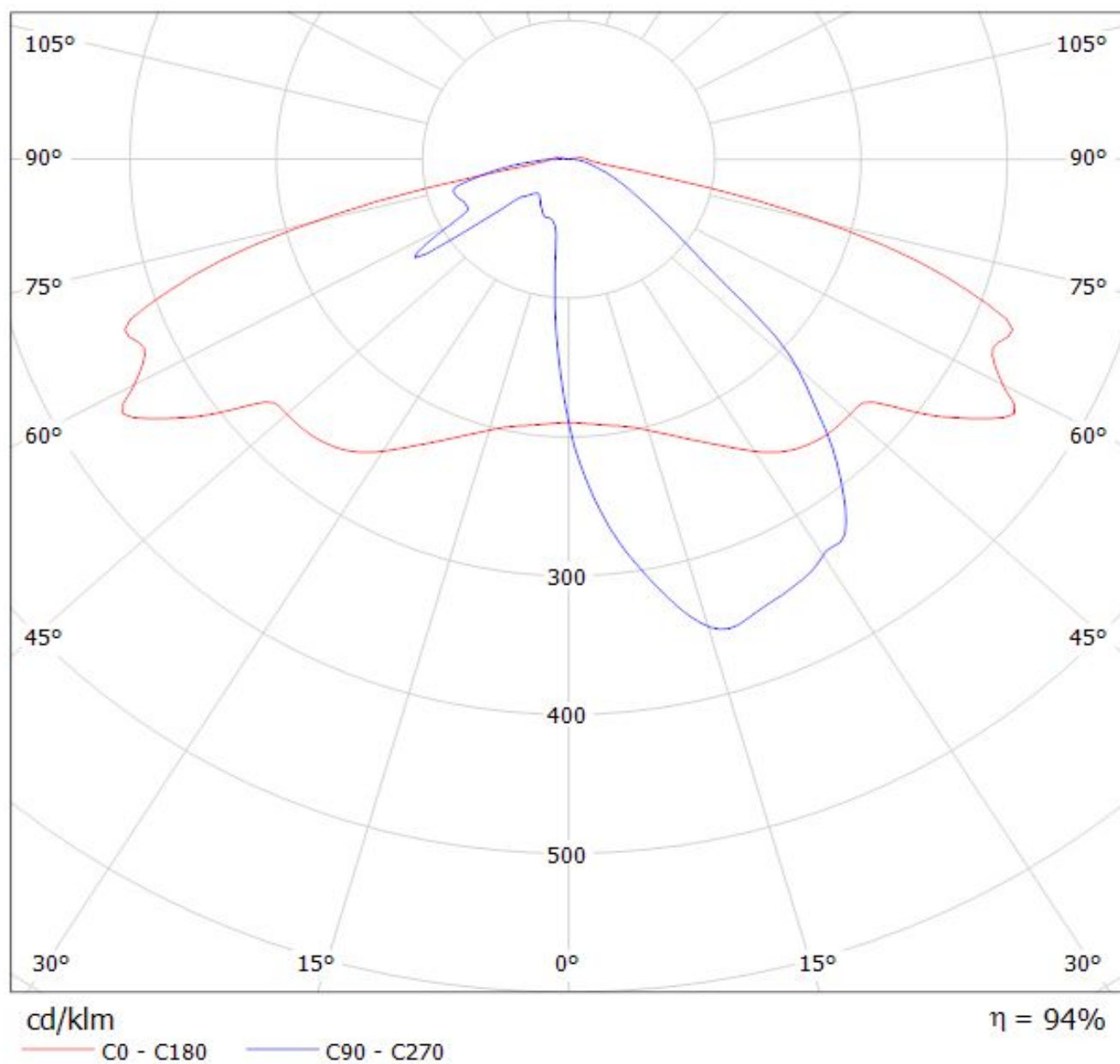
Luminaire: LEDiL Oy CA13897\_STRADA-SQ-FS\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.481lm@250mA\_P=0.737584W\_I=249.9mA



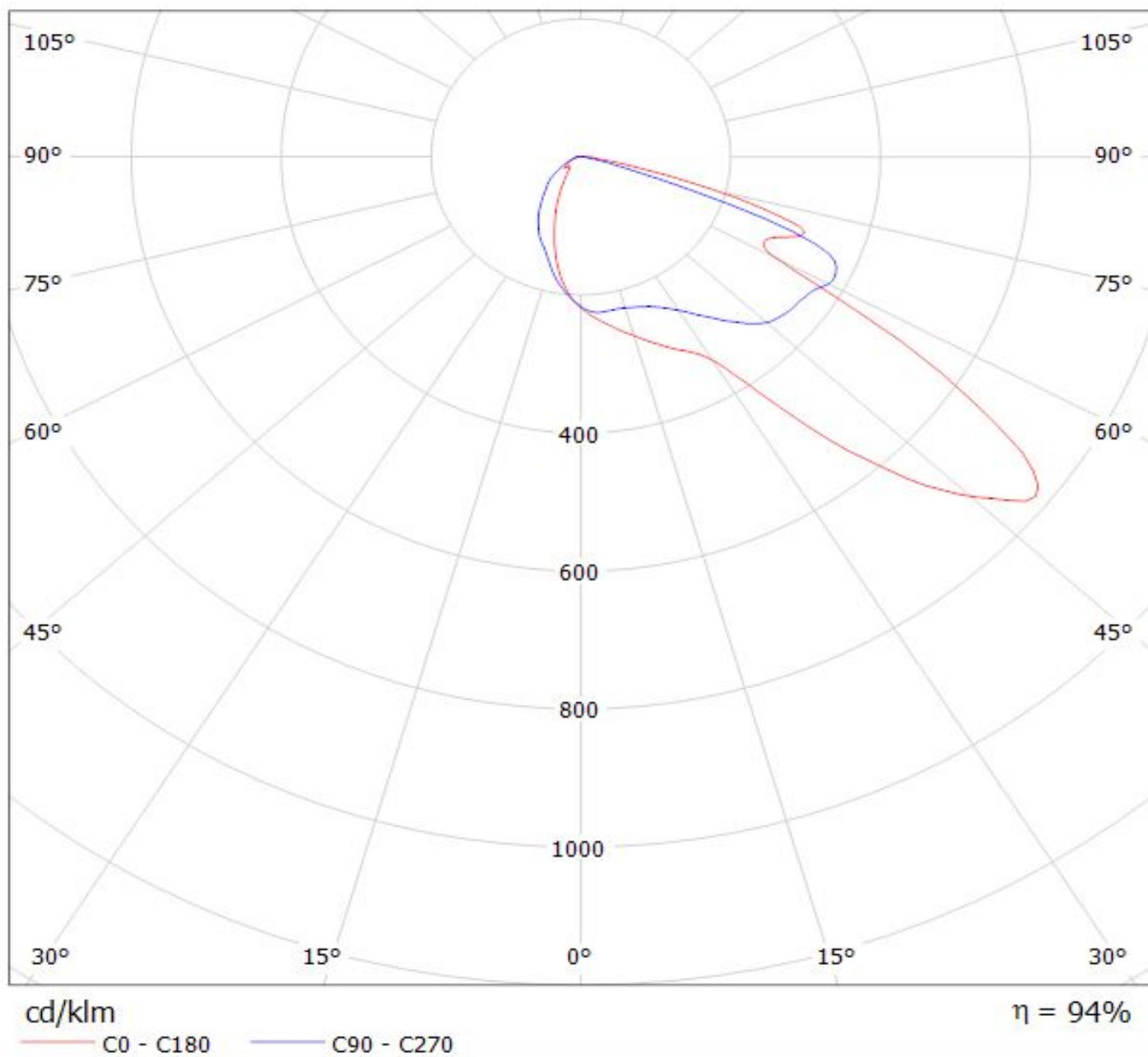


Luminaire: LEDiL Oy CS14055\_STRADA-IP-2X6-T2\_(XP-L)

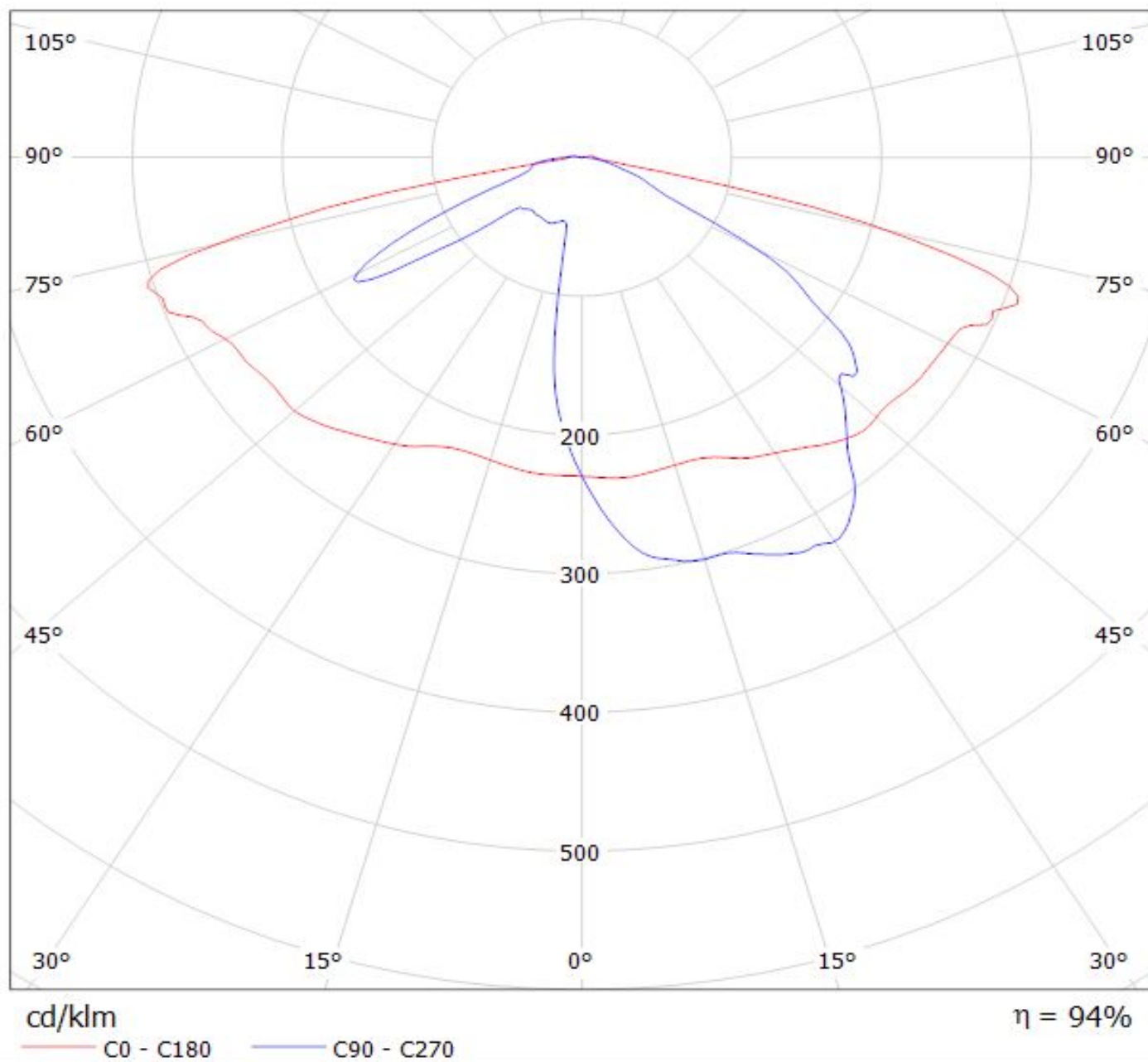
Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA



Luminaire: LEDiL Oy C14116\_STRADA-2X2-PX\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.5lm@250mA\_CCT=7600K\_P=2.80563W\_I=249.9mA

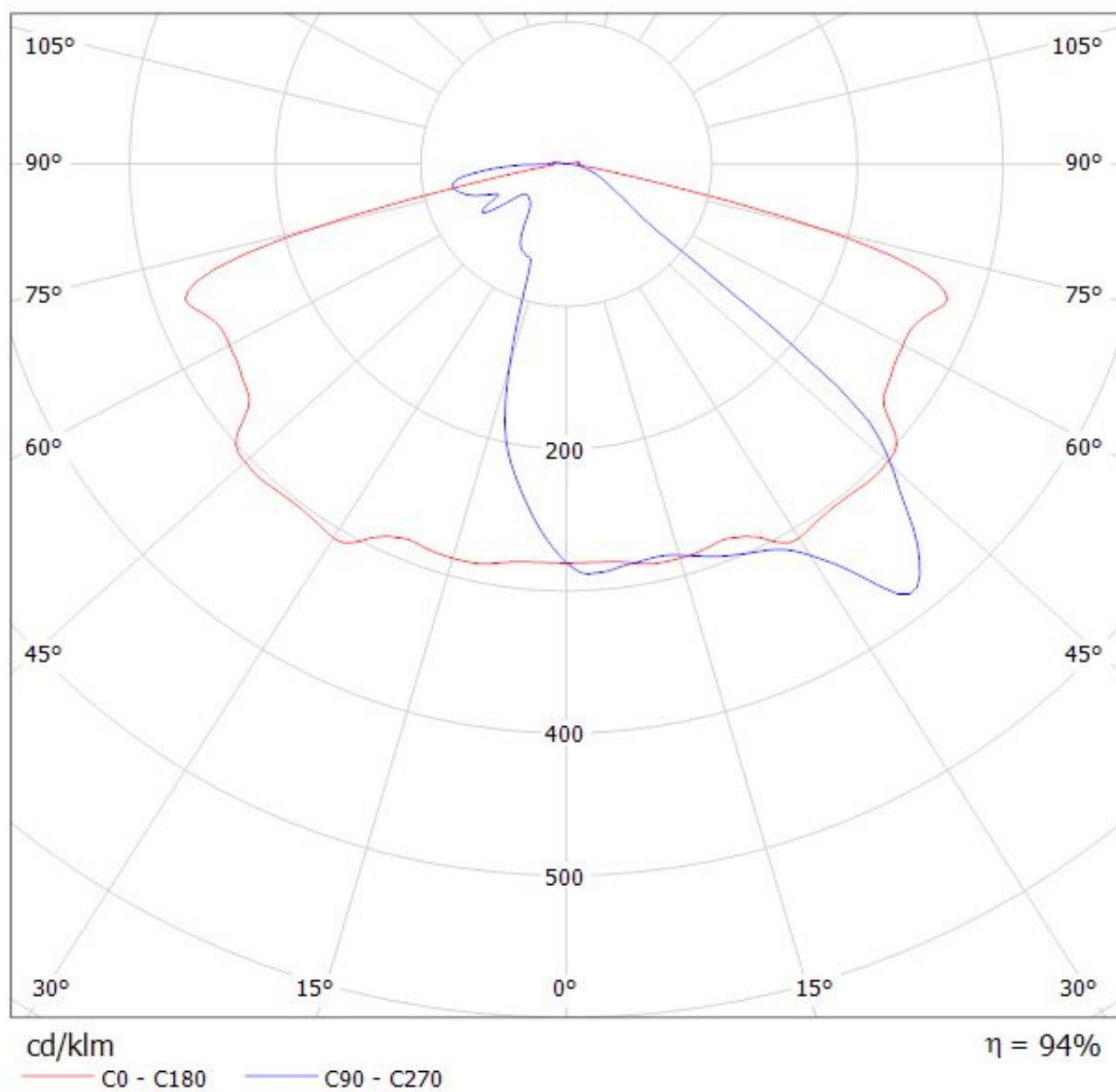


Luminaire: LEDiL Oy CS14143\_STRADA-IP-2X6-T3\_(XP-L) Eff.95.3%  
Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)  
\_1270.8lm@250mA\_P=8.22317W\_I=249.8mA



Luminaire: LEDiL Oy CS14144\_STRADA-IP-2X6-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x6\_(XPLAWT-0-7A3-U50-0H-0001)\_1253.88lm@250mA\_P=8.22317W\_I=249.8mA

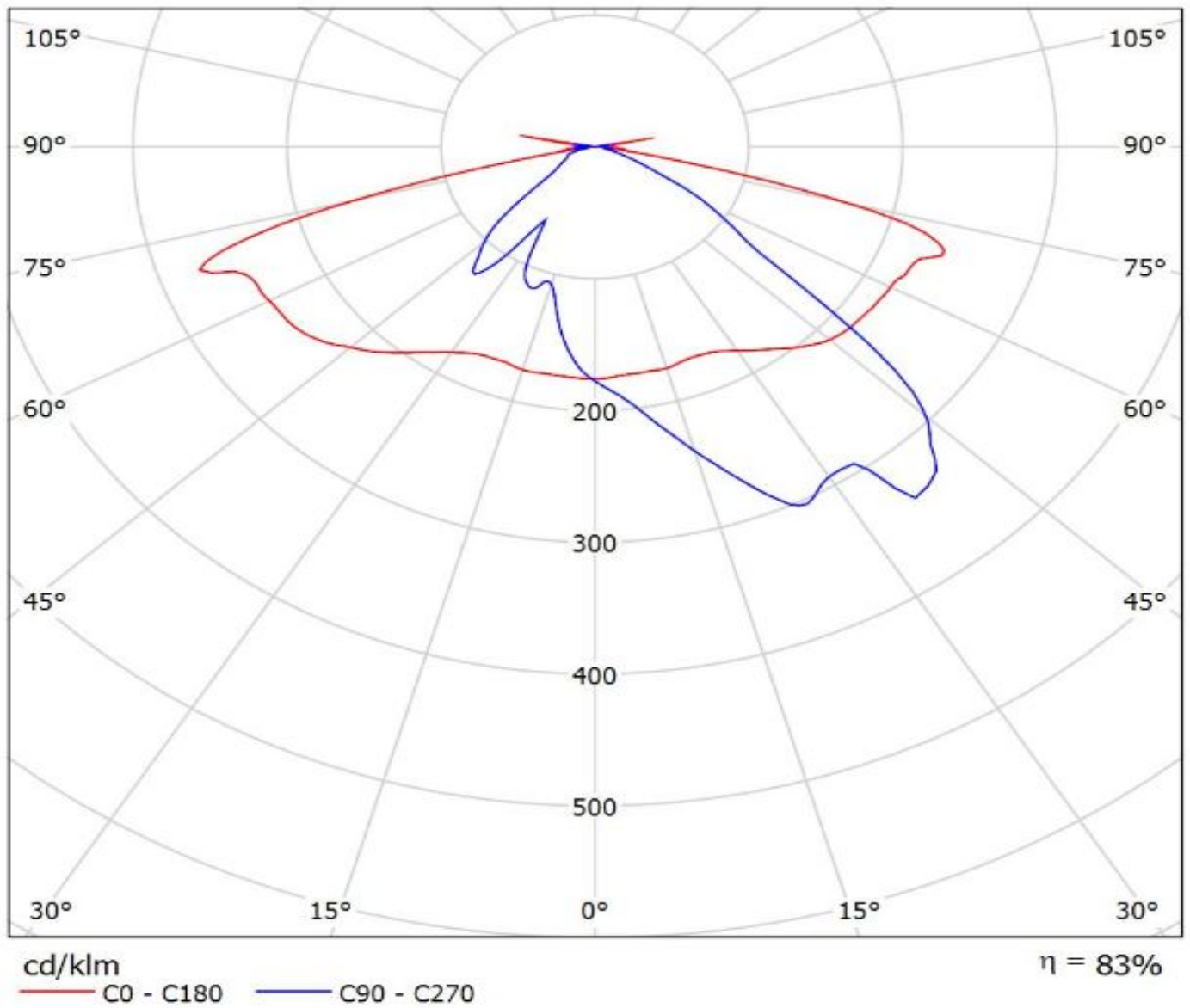


## Ledil C14164\_STRADA-2X2-ME-WIDE1\_(XP-L)\_glass / LDC (Polar)

Luminaire: Ledil C14164\_STRADA-2X2-ME-WIDE1\_(XP-L)\_glass

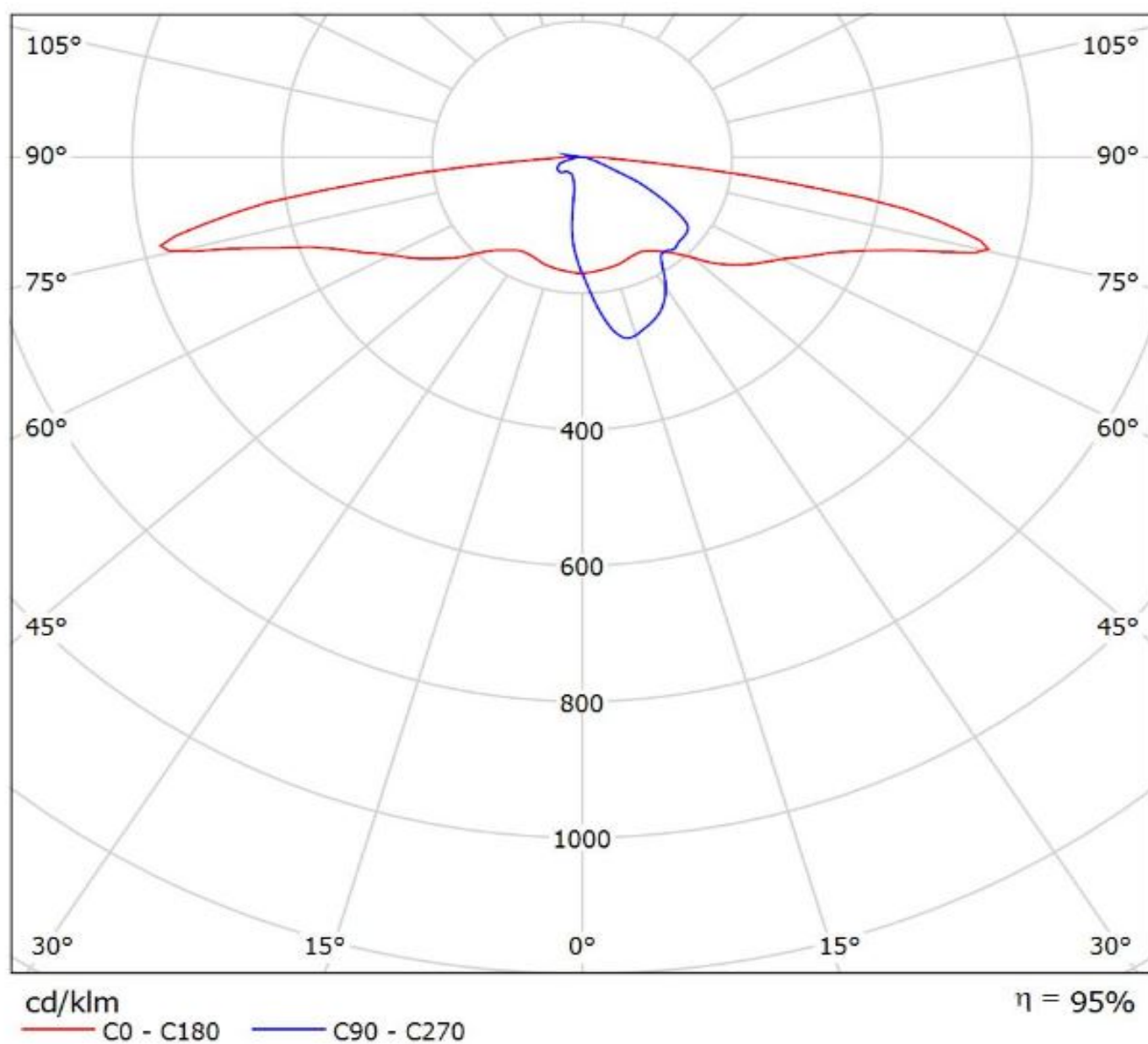
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)

\_512.395lm@250mA\_CCT=7600K\_P=2.8W\_I=0.25A



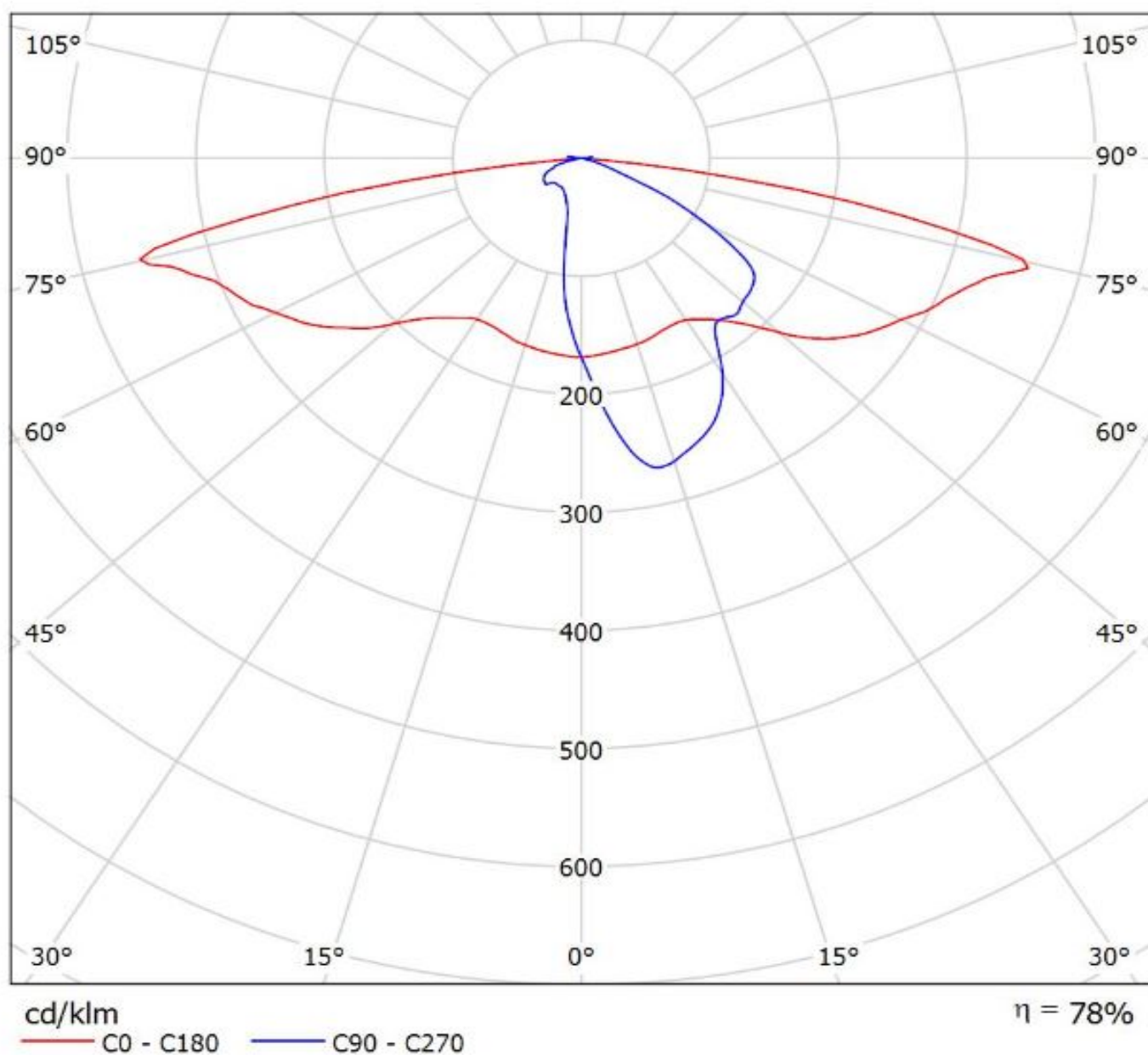


Luminaire: Ledil C15021\_STRADA-2X2-SCL (XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2 (XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A



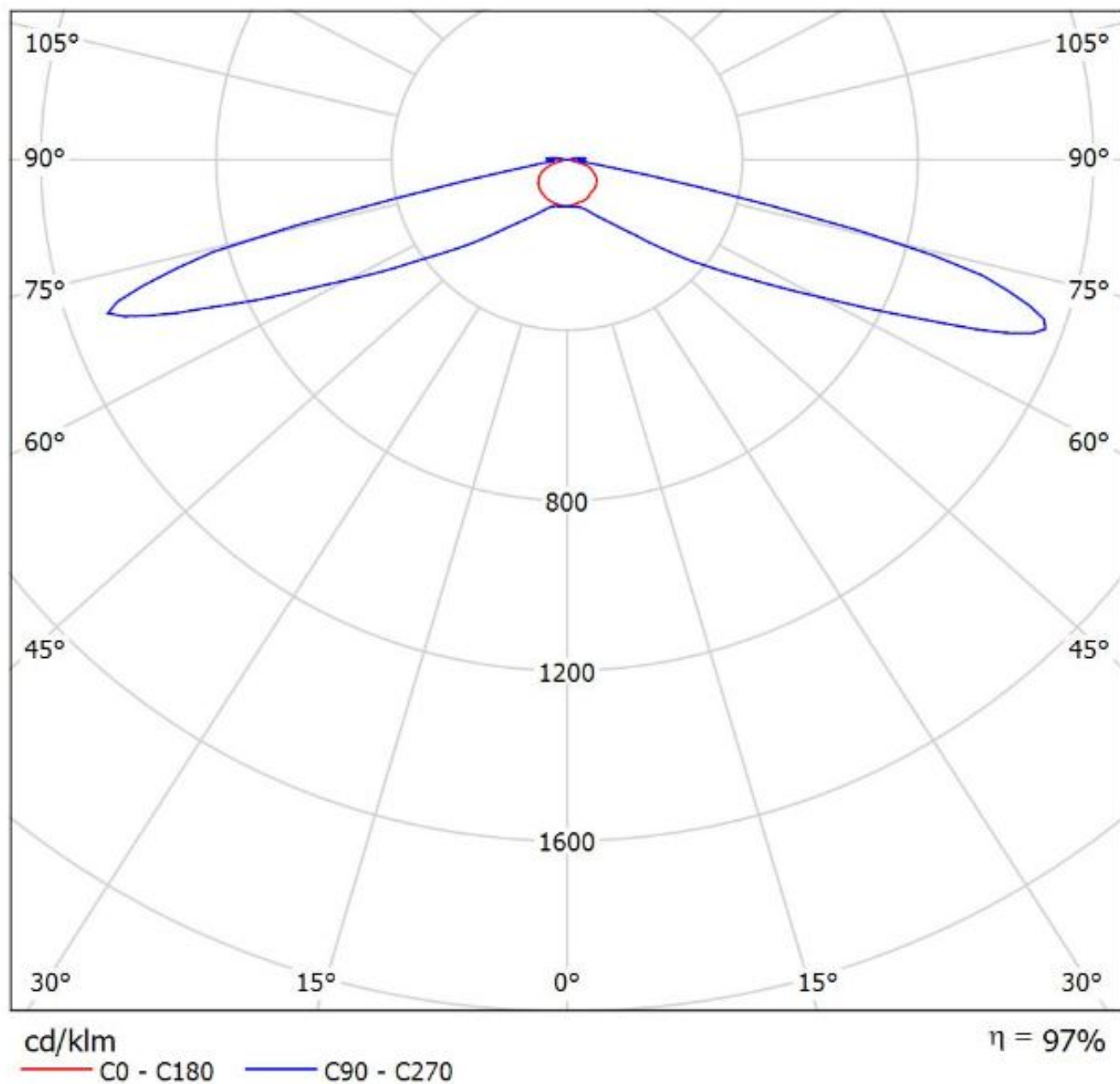


Luminaire: Ledil C15021\_STRADA-2X2-SCL (XP-L)\_glass  
Lamps: 1 x CREE\_XP-L\_2x2 (XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A



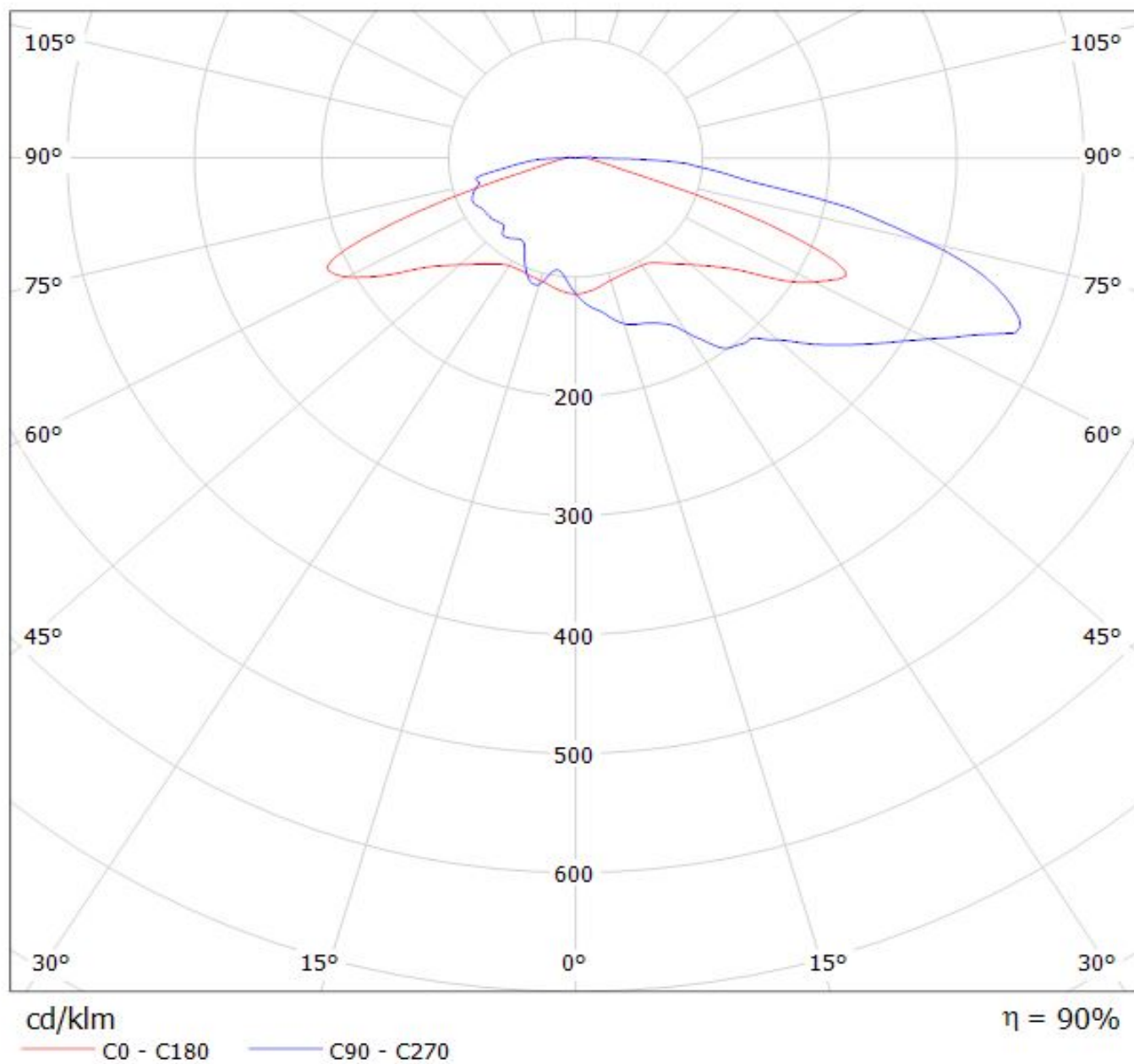
Luminaire: Ledil C15135\_STRADA-2X2-T1\_(XP-L)\_C1

Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-1B0-V40-00-0001)\_509.35lm@250mA\_CCT=7600K\_P=2.8145W\_I=0.25A

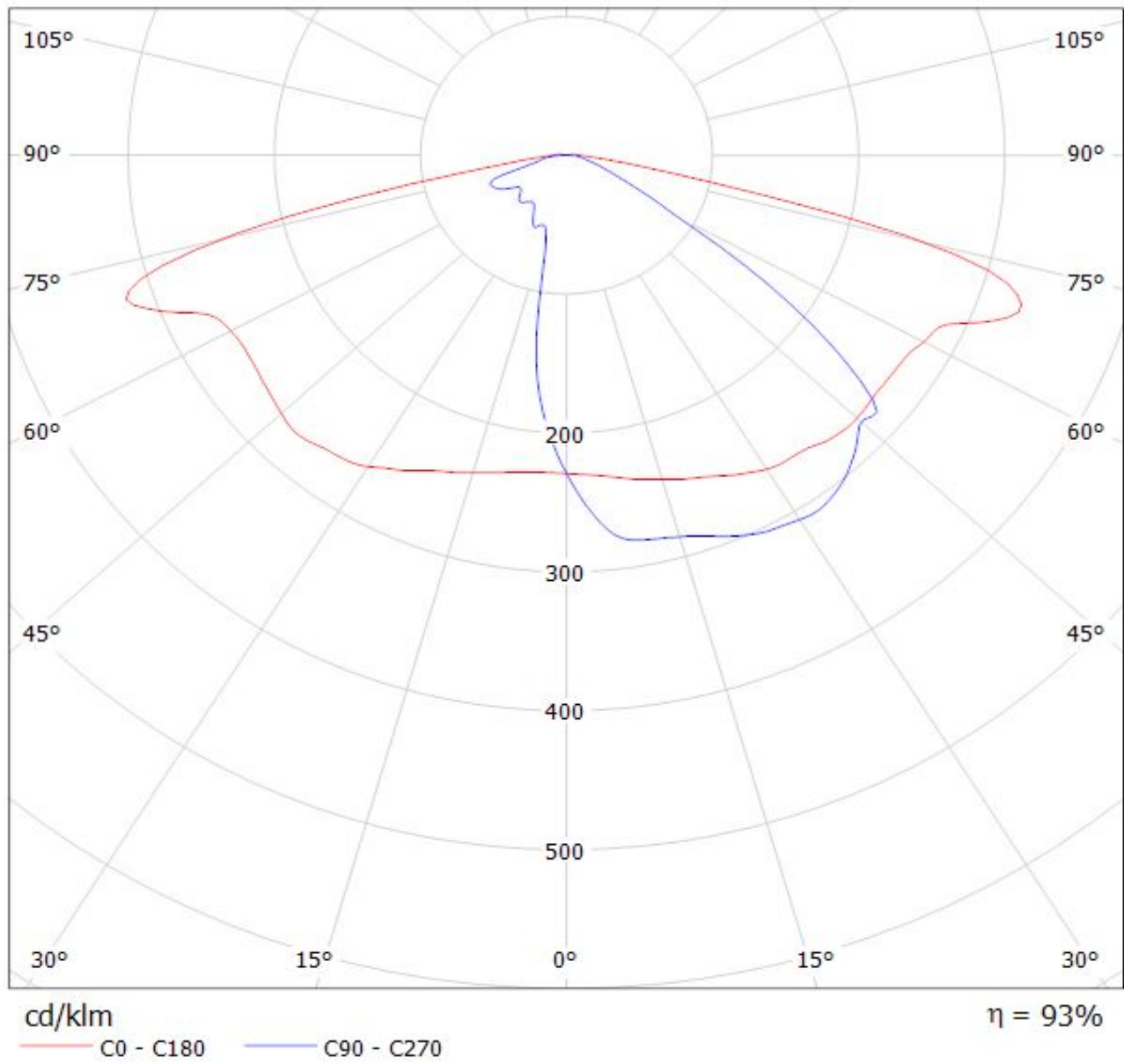


Luminaire: LEDiL Oy CS15158\_STRADA-IP-2X6-T4-B\_(XP-L)

Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A

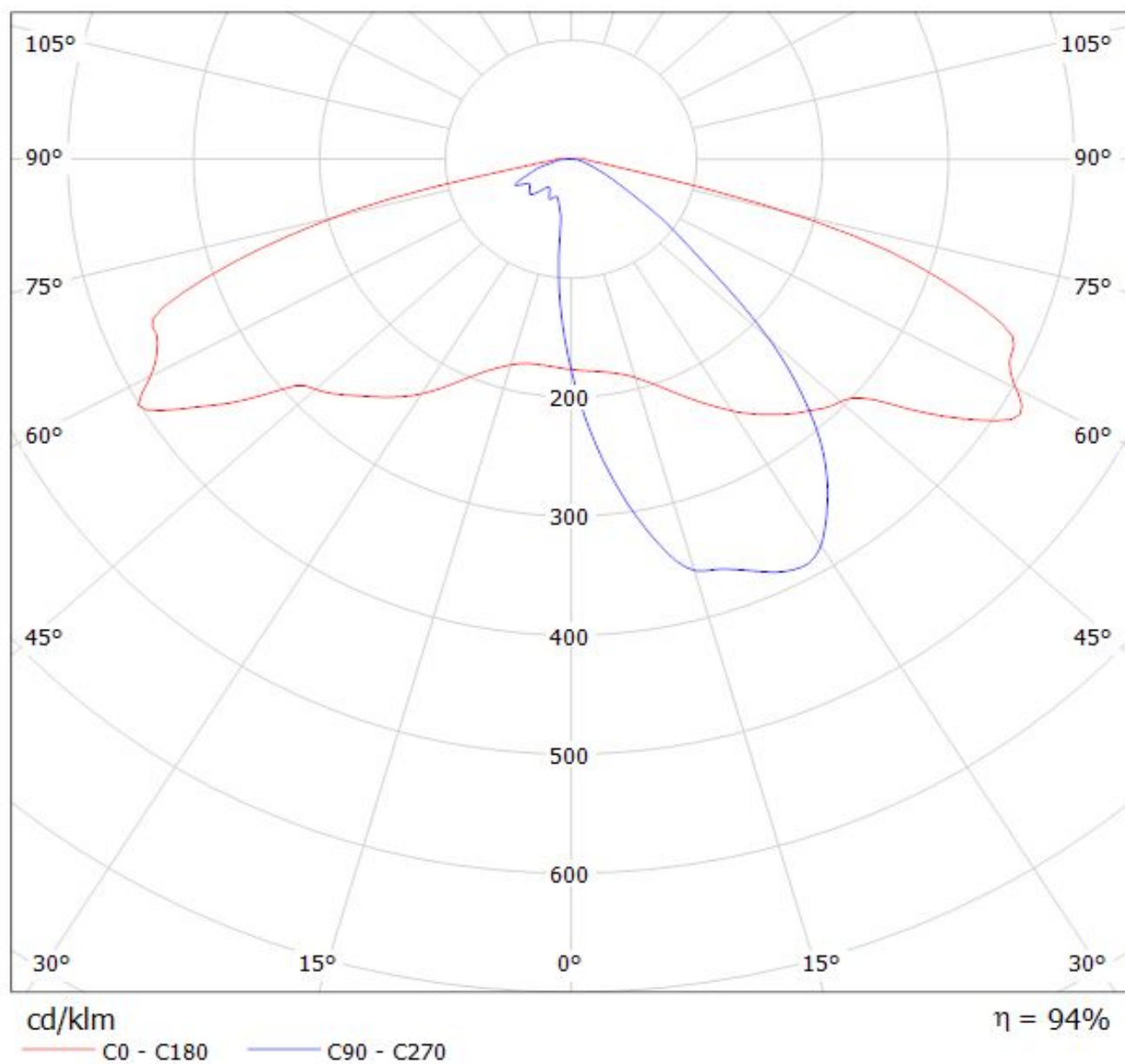


Luminaire: LEDiL Oy CS15362\_STRADA-IP-2X6-T3-B\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A



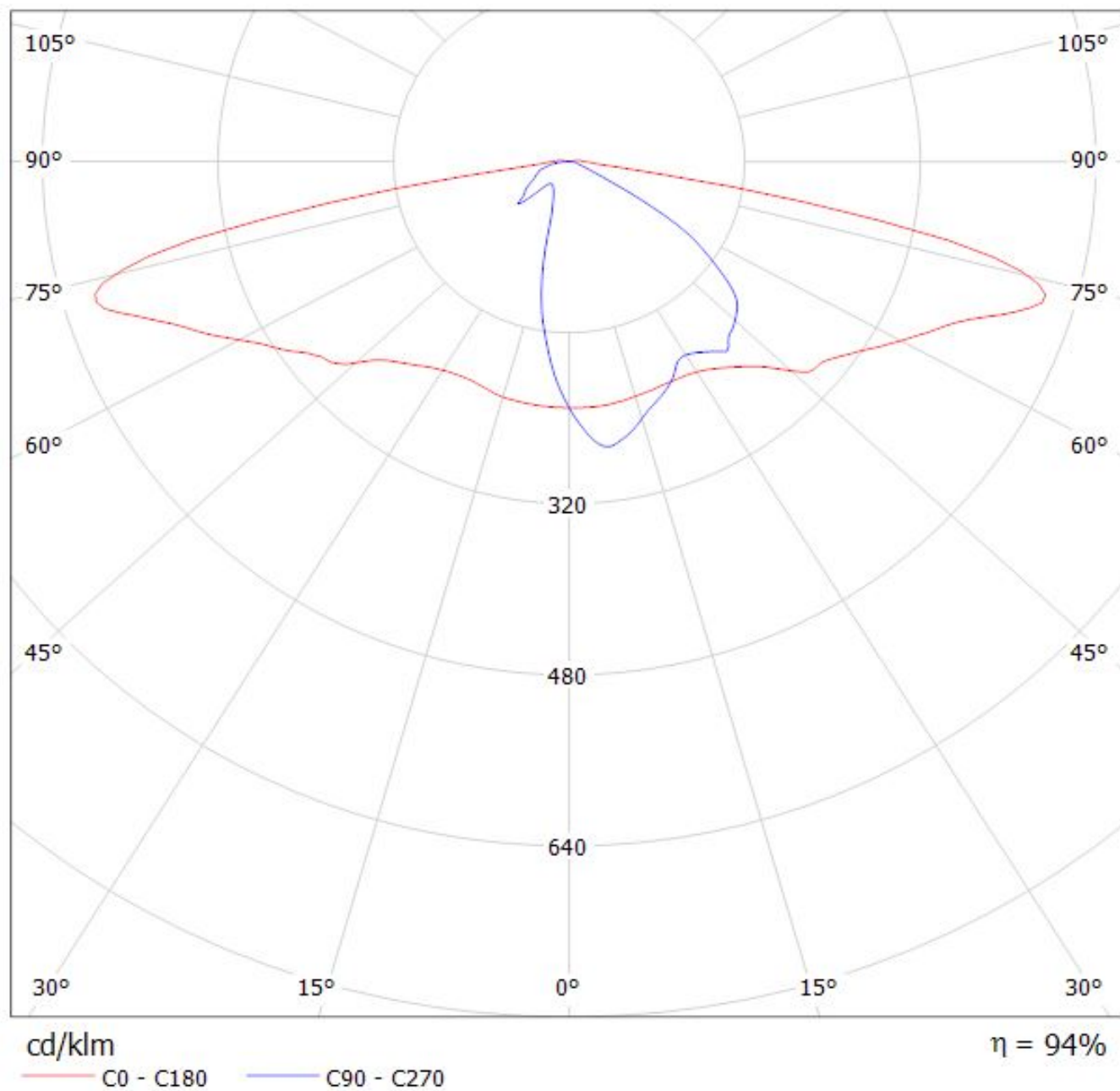
Luminaire: LEDiL Oy CS15363\_STRADA-IP-2X6-T2-B\_(XP-L)

Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A



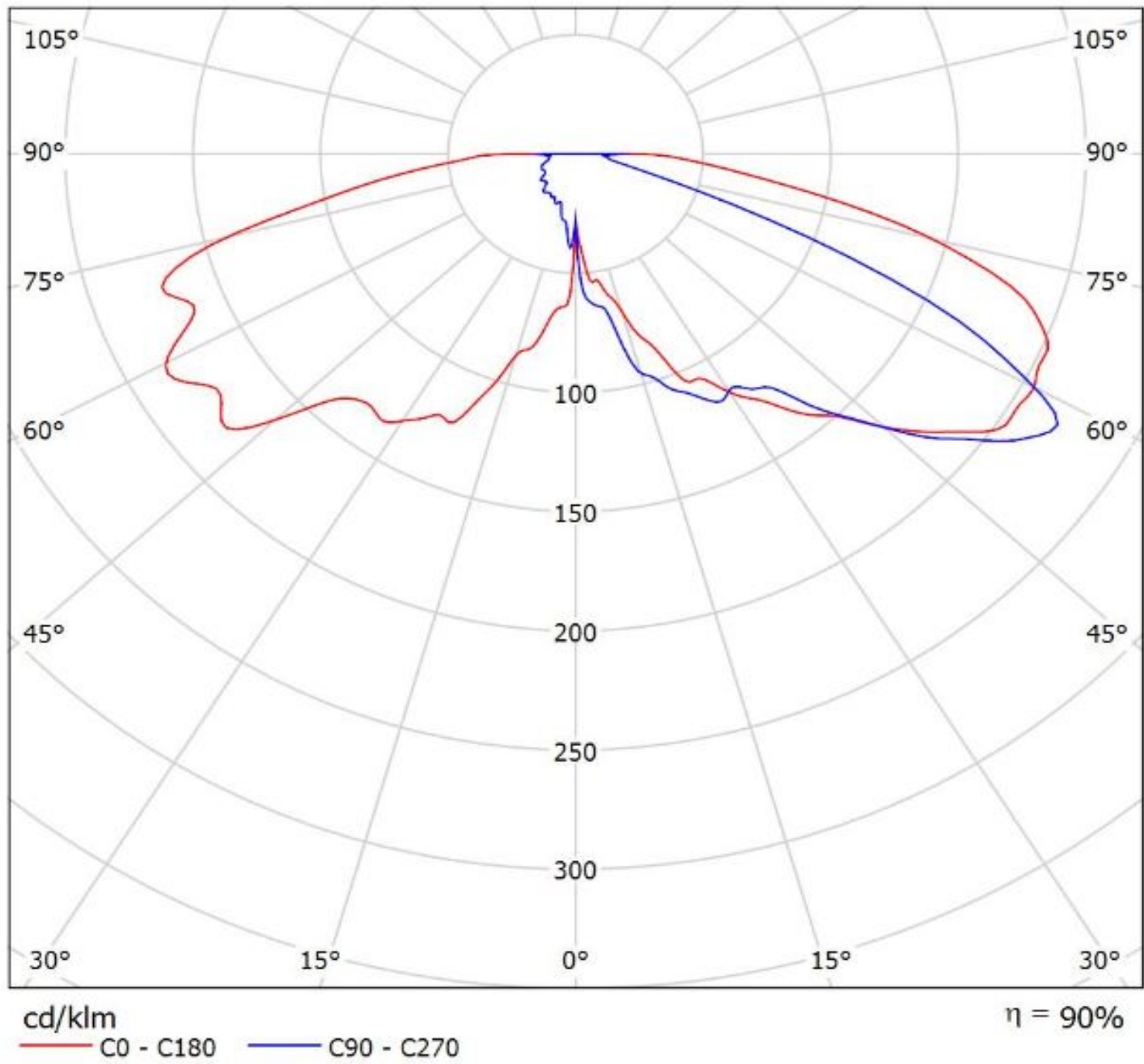
Luminaire: LEDiL Oy CS15418\_STRADA-IP-2X6-SCL\_(XP-L)

Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A



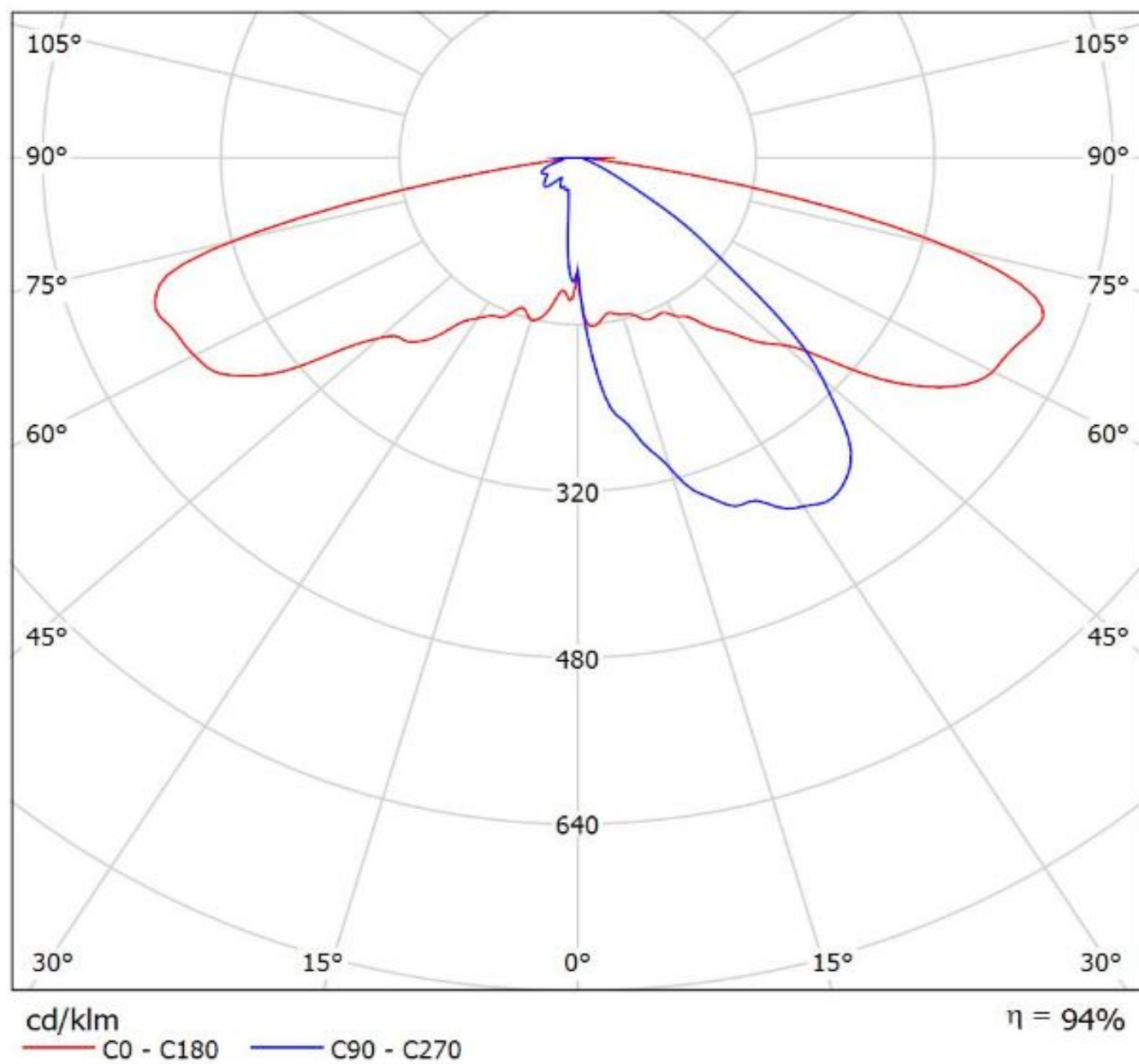


Luminaire: Ledil Oy CS15689\_STRADA-IP-2X6-FW\_(XP-L)\_SIMULATED  
Lamps: 1 x Cree XP-L

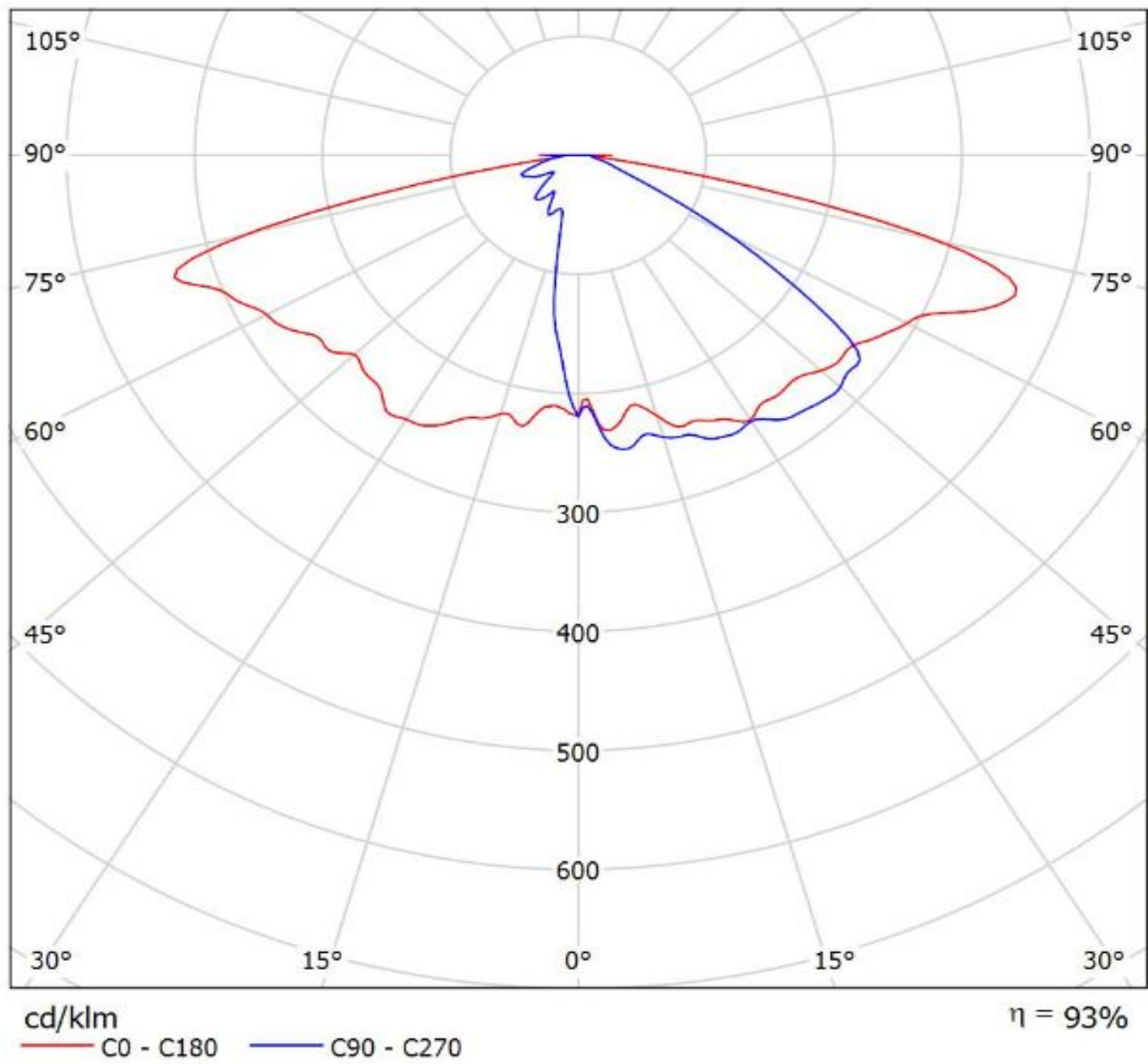


Luminaire: Ledil Oy CS15886\_STRADA-IP-2X6-T2-B-90\_(XP-L)\_SIMULATED

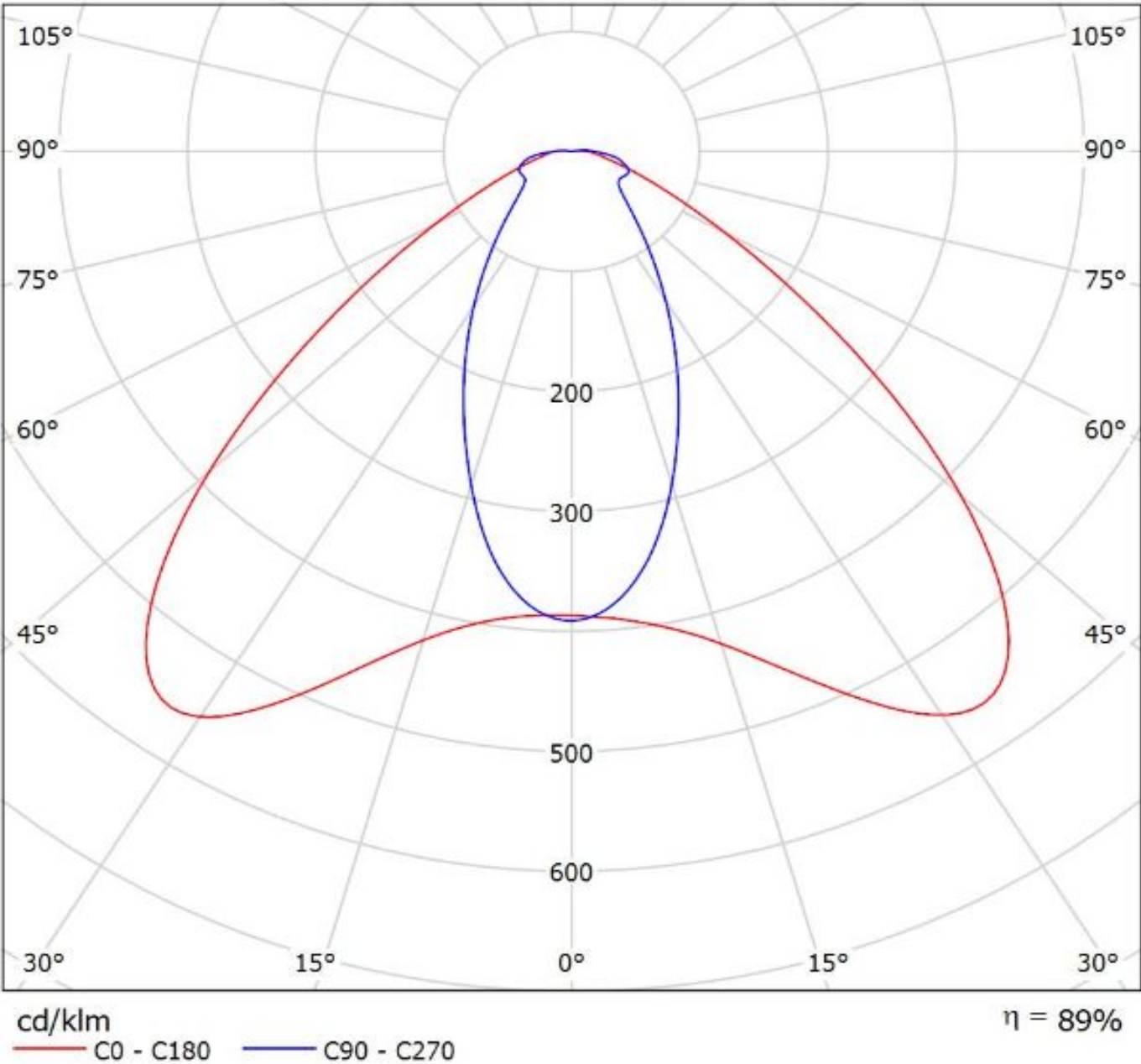
Lamps: 1 x Cree XP-L



Luminaire: Ledil Oy CS15887\_STRADA-IP-2X6-T3-B-90\_(XP-L)\_SIMULATED  
Lamps: 1 x Cree XP-L

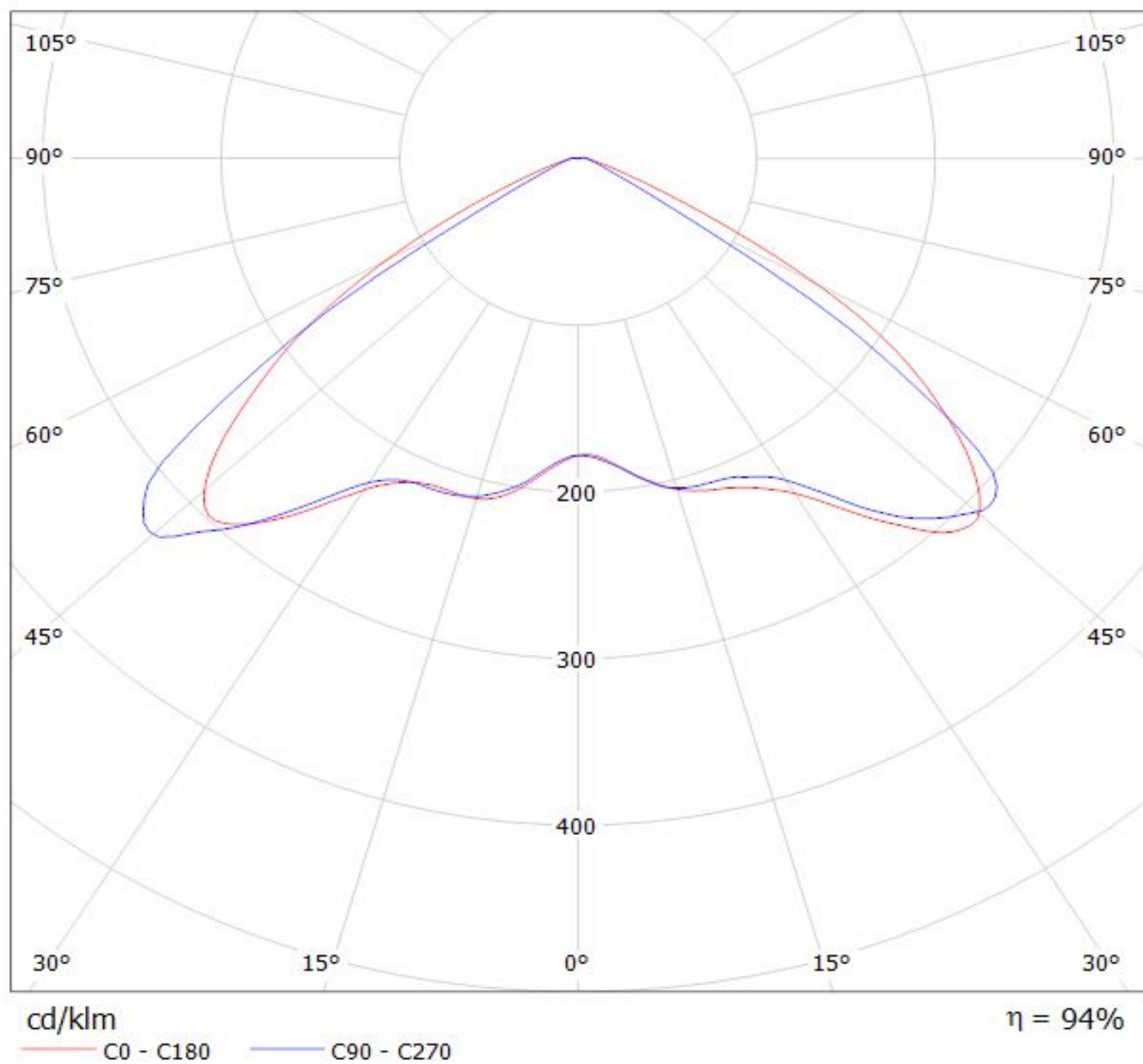


Luminaire: LEDiL Oy CA14843\_STRADA-B2\_(XP-L)\_Cav2  
Lamps: 1 x Cree\_(XP-L)\_123.939lm@250mA\_P=0.736105W\_I=0.2499A



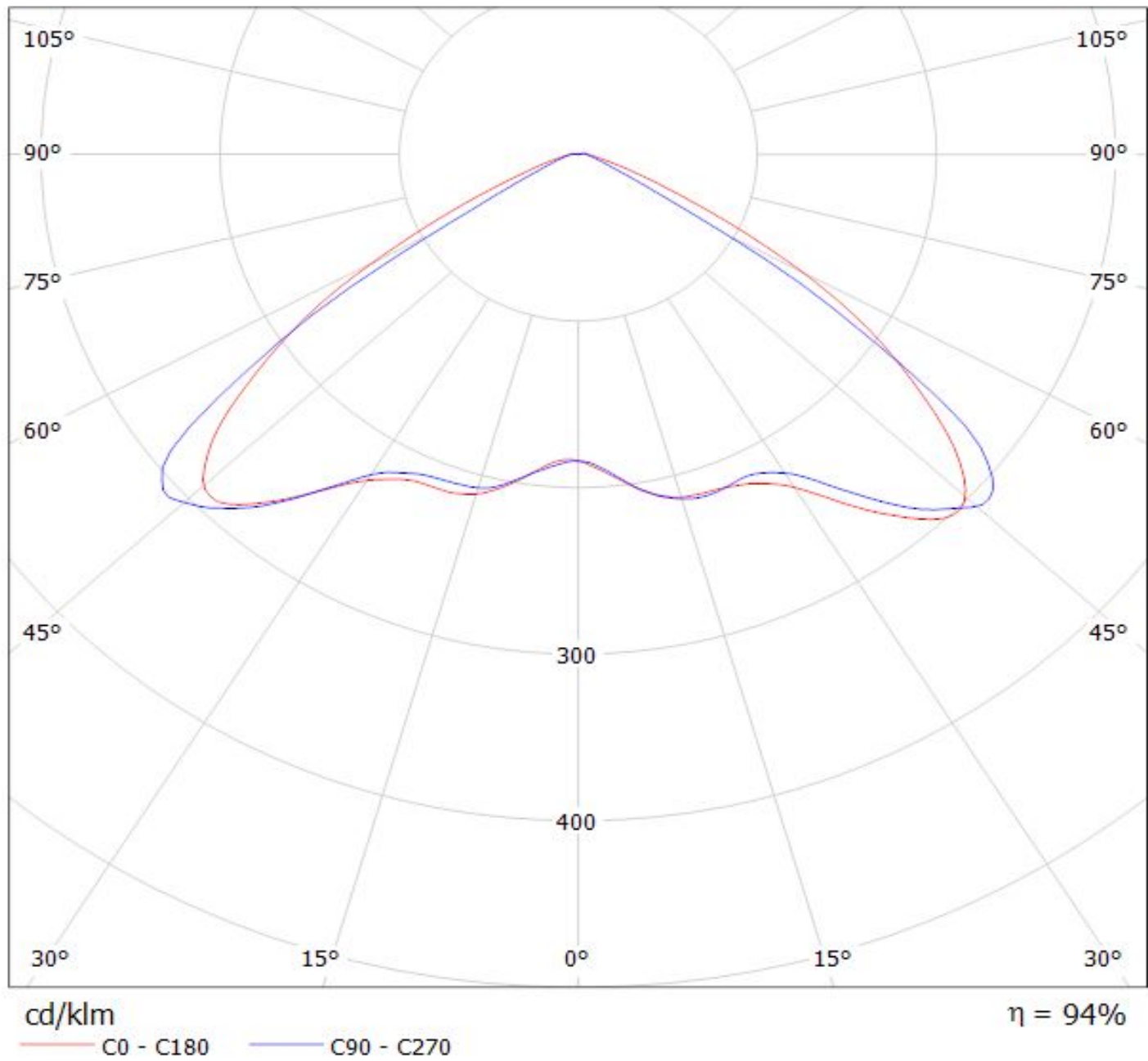
Luminaire: LEDiL Oy CA14219\_STRADA-SQ-CY\_(XP-L)

Lamps: 1 x Cree\_XP-L\_127.18lm@250mA\_P=0.737584W\_I=249.9mA





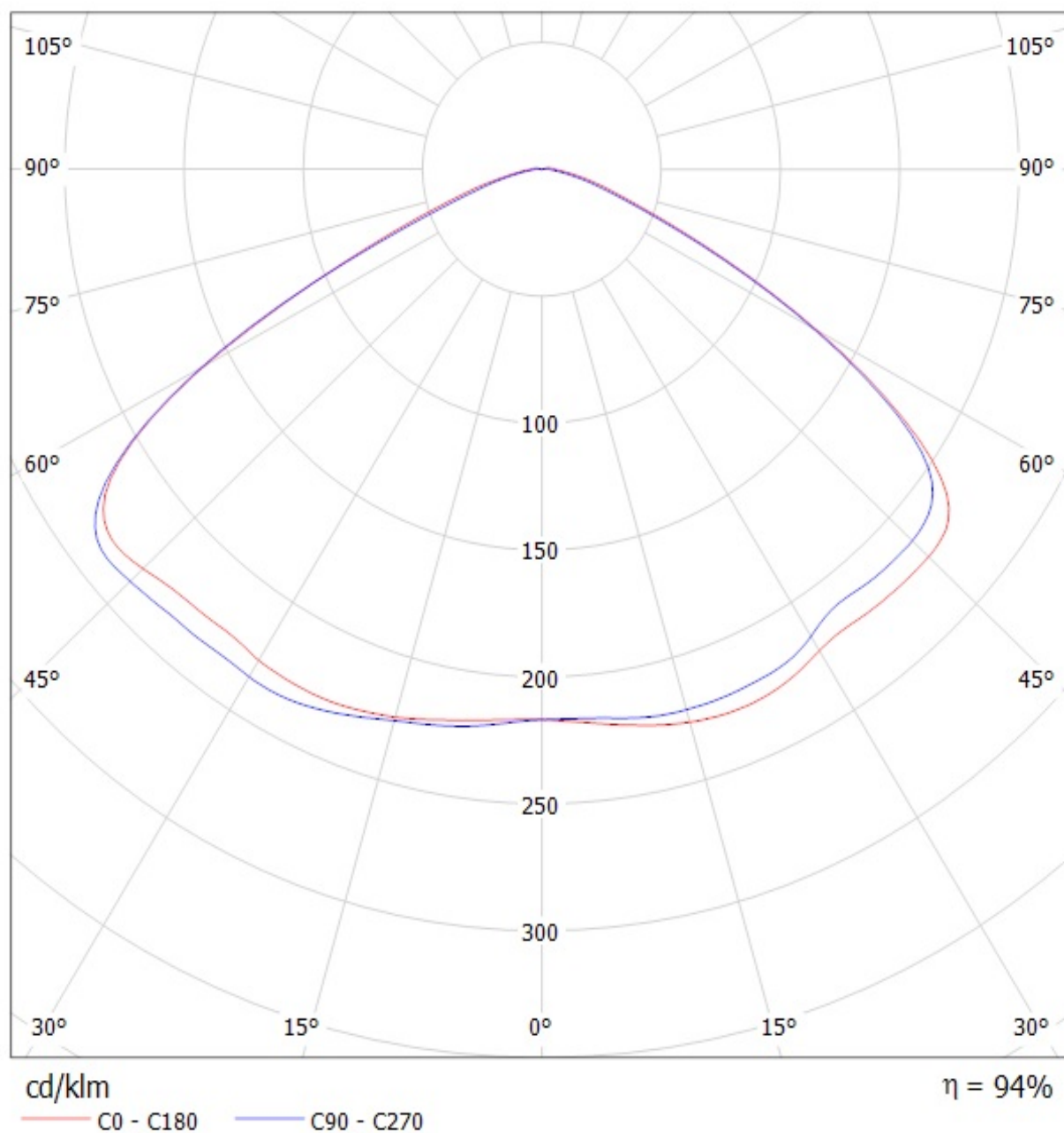
Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_129.82lm@250mA\_P=0.737584W\_I=249.9mA





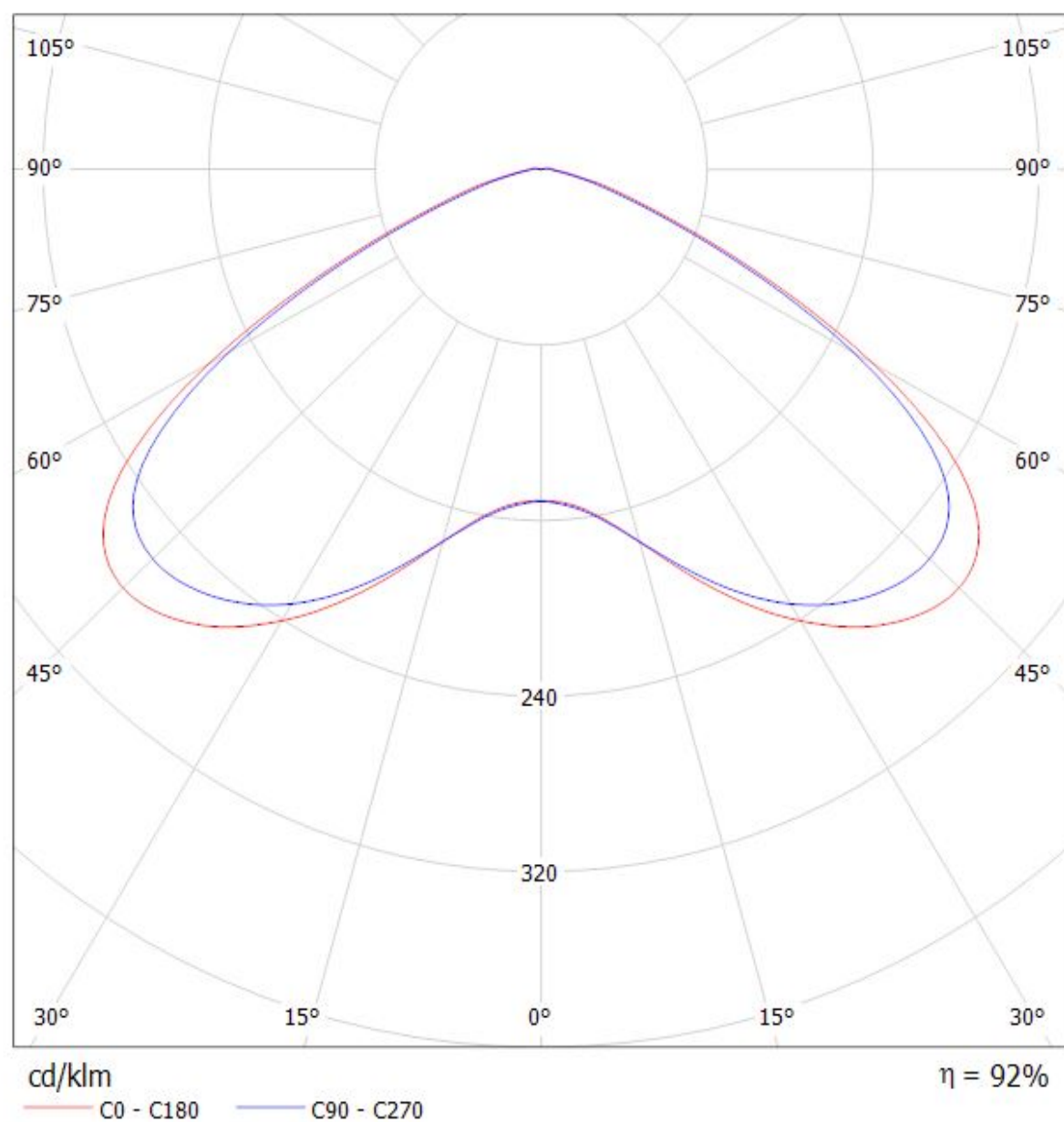
Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515.57lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



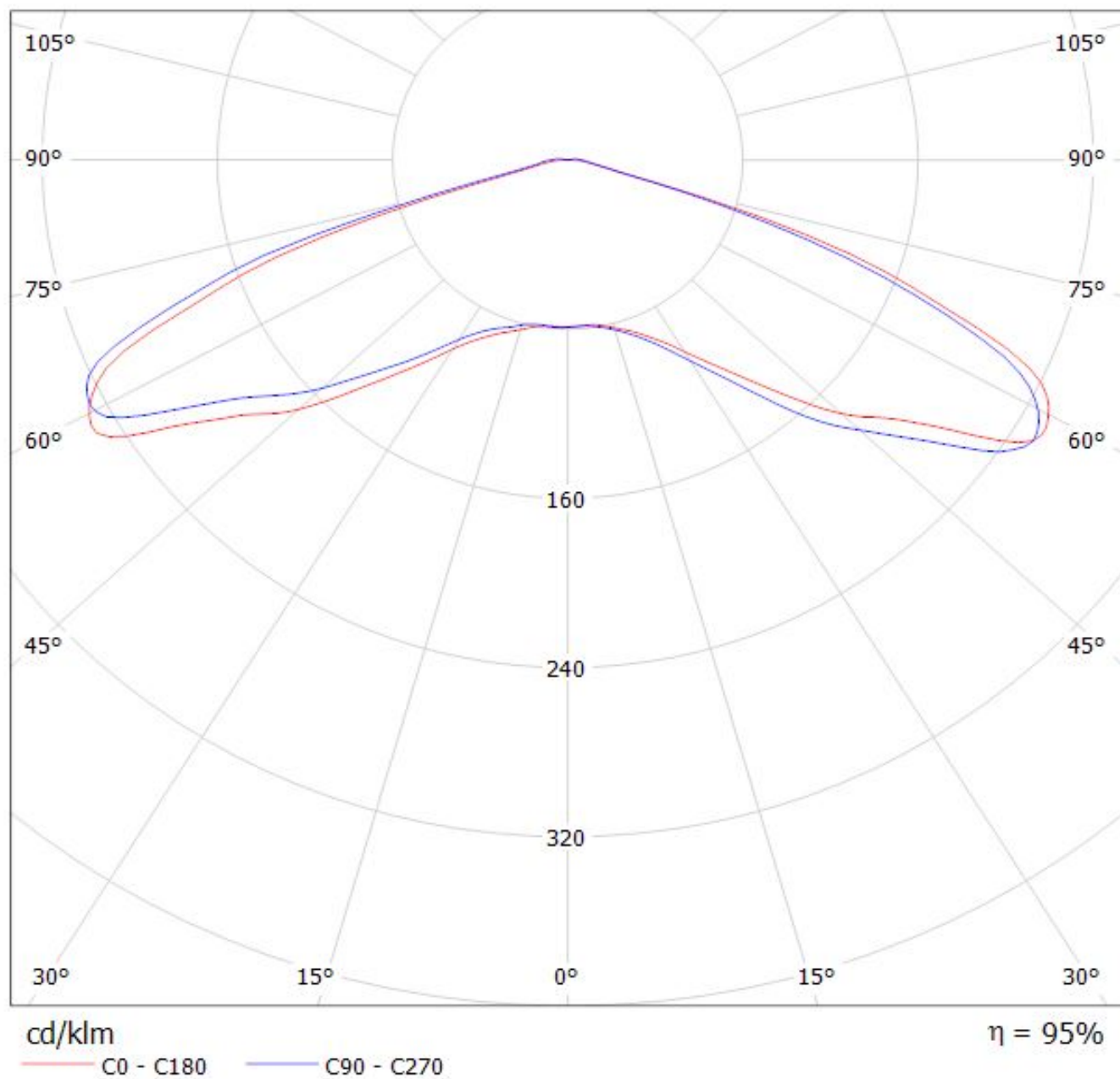
Luminaire: LEDiL Oy C13937\_STRADA-2x2-C-STP\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_504.373lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

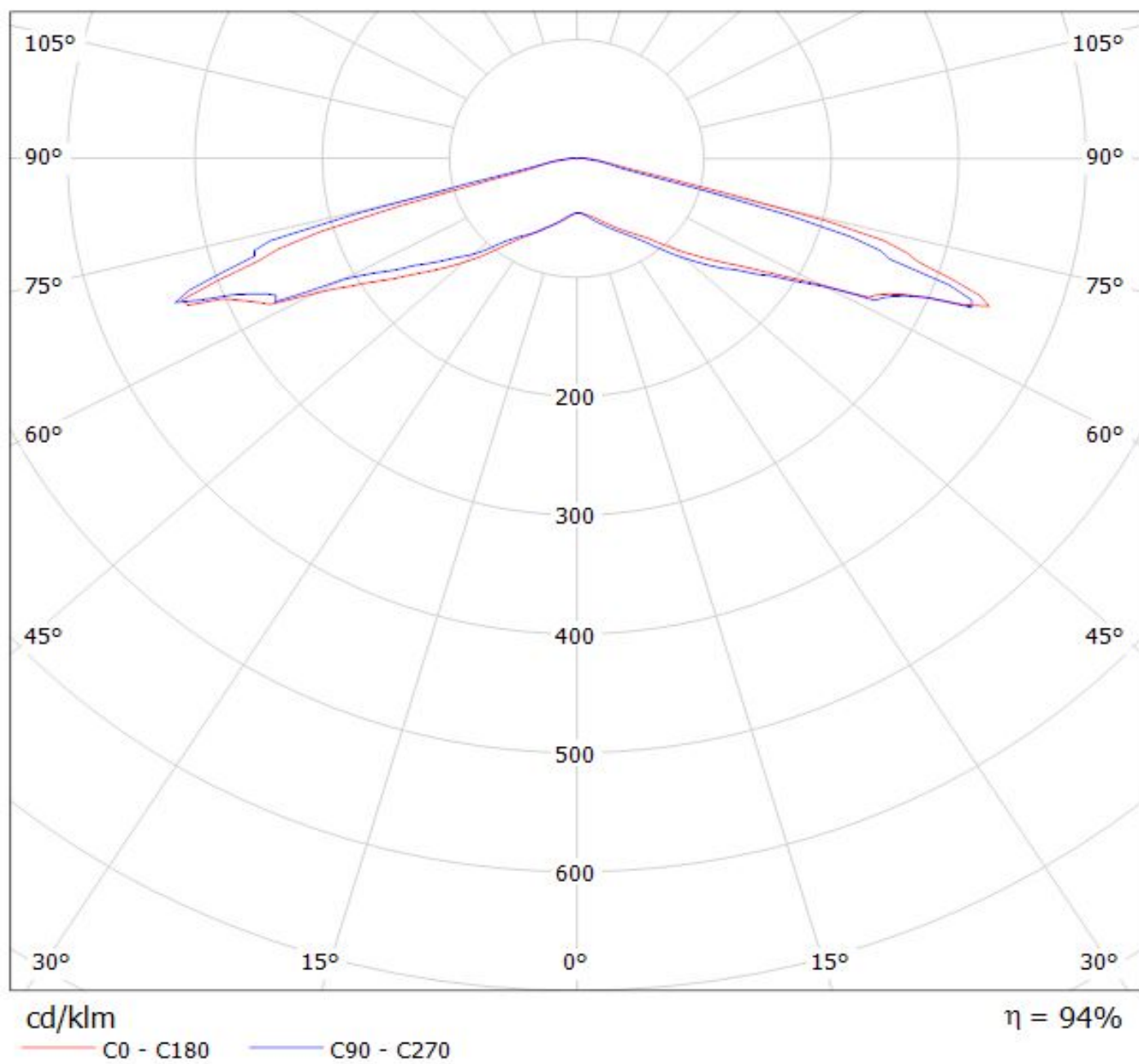


Luminaire: LEDiL Oy CS15020\_STRADA-IP-2X6-VSM\_(XP-L)

Lamps: 1 x Cree\_XP-L\_(XPLAWT-0-7A3-U50-0H-0001)\_1258.85lm@250mA\_P=8.27562W\_I=0.250A



Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



Luminaire: LEDiL Oy C12727\_STRADA-SQ-VSM\_(XP-L)

Lamps: 1 x Cree\_XP-L\_130.23lm@250mA\_P=0.738255W\_I=249.9mA

