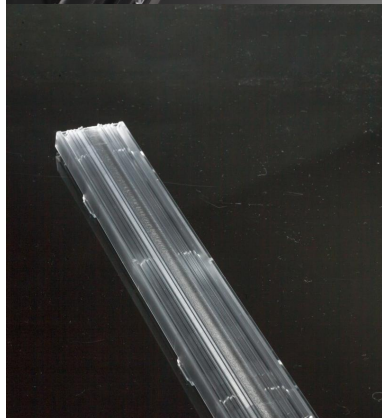


**Product number F15860_LINNEA-Z2T25**

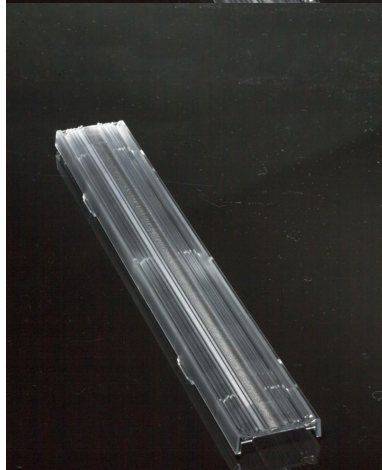
Family	Linnea	FWHM	Asymmetric degrees
Type	Lens	Efficiency	87 %
LED	LM561B Plus	cd/lm	0.480
Color	Clear	Gerber File	Available
Diameter	285x40 mm		
Height	10.3 mm		
Style	Rectang		
Optic Material	PC		
Holder Material	-		
Fastening	["clips"]		
Status	Sample approved		

**Product number F15861_LINNEA-ZT25**

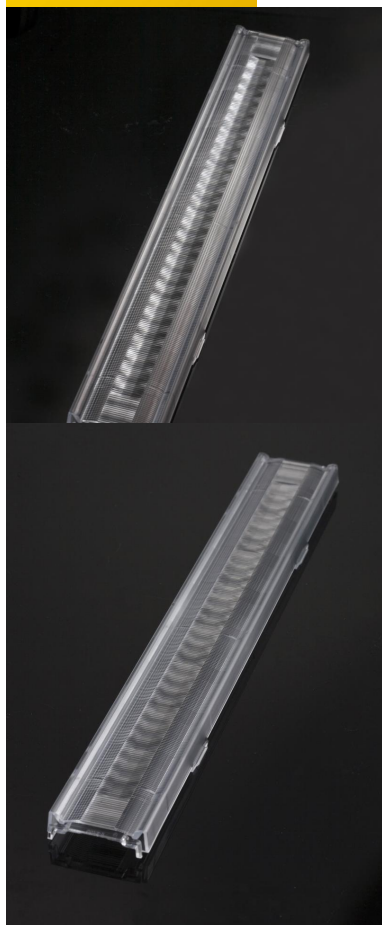
Family	Linnea	FWHM	Asymmetric degrees
Type	-	Efficiency	79 %
LED	LM561B Plus	cd/lm	0.700
Color	Clear	Gerber File	Available
Diameter	285x40 mm		
Height	9.5 mm		
Style	Rectang		
Optic Material	-		
Holder Material	-		
Fastening	["clips"]		
Status	Sample approved		

**Product number F15756_LINNEA-O**

Family	Linnea	FWHM	35+70 degrees
Type	Lens	Efficiency	81 %
LED	LM561B Plus	cd/lm	0.820
Color	Clear	Gerber File	Available
Diameter	280x40 mm		
Height	12 mm		
Style	Rectang		
Optic Material	PC		
Holder Material	-		
Fastening	""		
Status	Sample approved		

**Product number F15952_LINNEA-O-B**

Family	Linnea	FWHM	35+70 degrees
Type	Lens	Efficiency	81 %
LED	LM561B Plus	cd/lm	0.820
Color	Clear	Gerber File	Available
Diameter	280x40 mm		
Height	12 mm		
Style	Rectang		
Optic Material	PC		
Holder Material	-		
Fastening	""		
Status	Sample approved		

**Product number F15523_LINNEA-90**

Family	Linnea	FWHM	88+100 degrees
Type	Lens	Efficiency	83 %
LED	LM561B Plus	cd/Im	0.390
Color	Clear	Gerber File	Available
Diameter	285x40 mm		
Height	9.5 mm		
Style	Rectang		
Optic Material	PC		
Holder Material	-		
Fastening	["clips"]		
Status	Production ready		

Product number F15940_LINNEA-90-B

Family	Linnea	FWHM	89+104 degrees
Type	Lens	Efficiency	83 %
LED	LM561B Plus	cd/Im	0.380
Color	Clear	Gerber File	Available
Diameter	285x40 mm		
Height	9.5 mm		
Style	Rectang		
Optic Material	PC		
Holder Material	-		
Fastening	["clips"]		
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

Linnea series

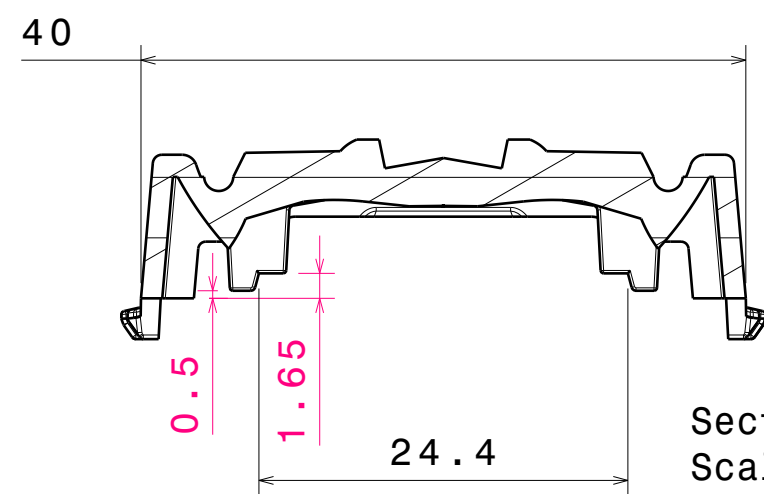
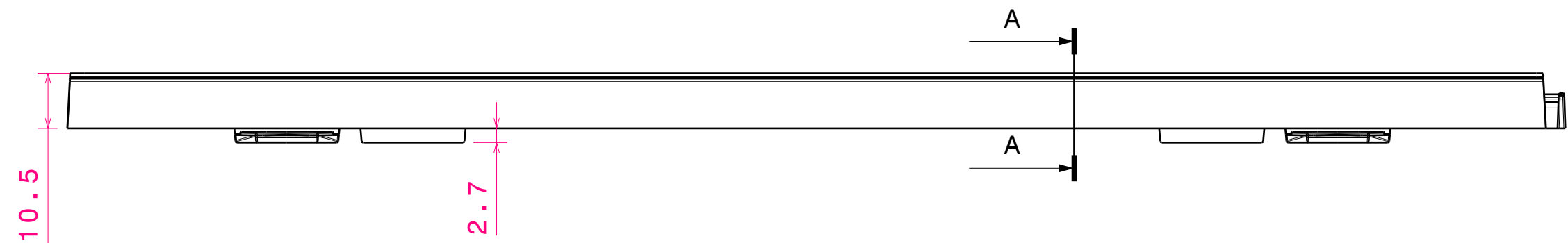
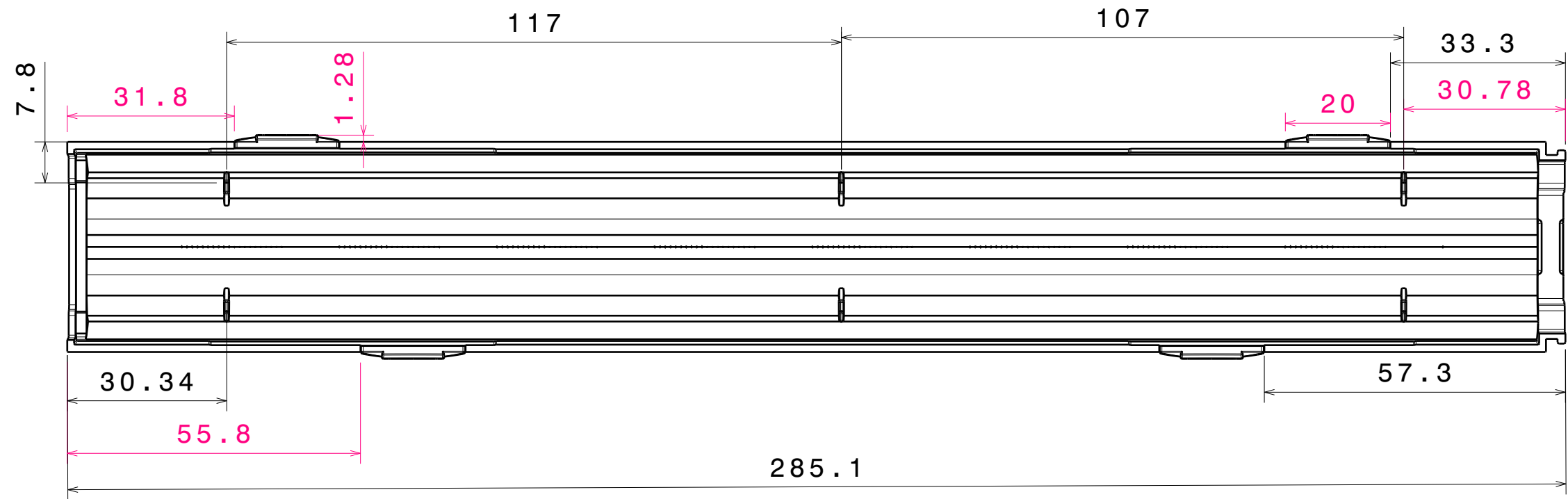
last update 3/8/2017

GENERAL INFORMATION

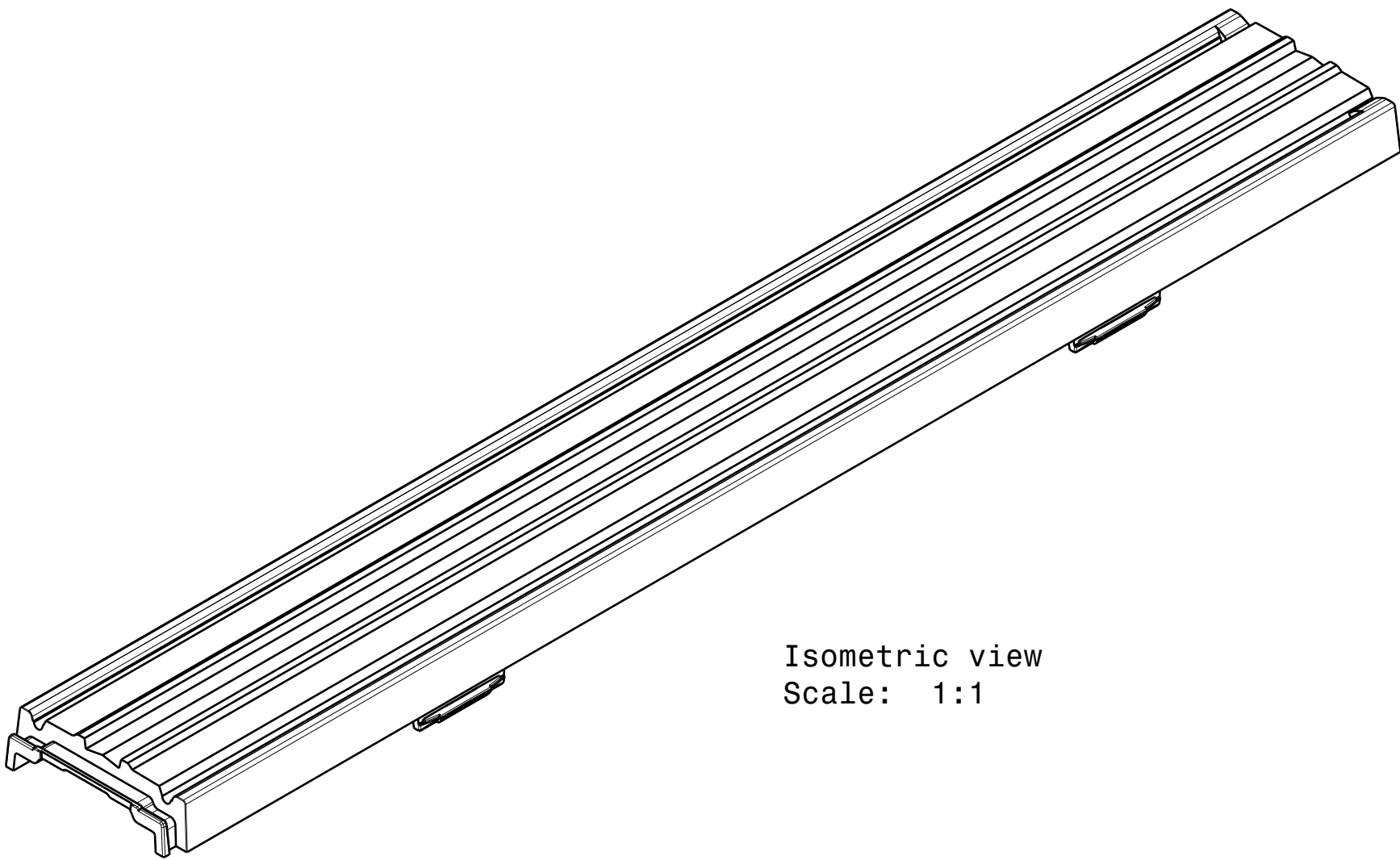
- Product series especially designed & optimized for LM561B Plus series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (100 degrees of Celcius / 212 degrees of Fahrenheit). Allows use of high current 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



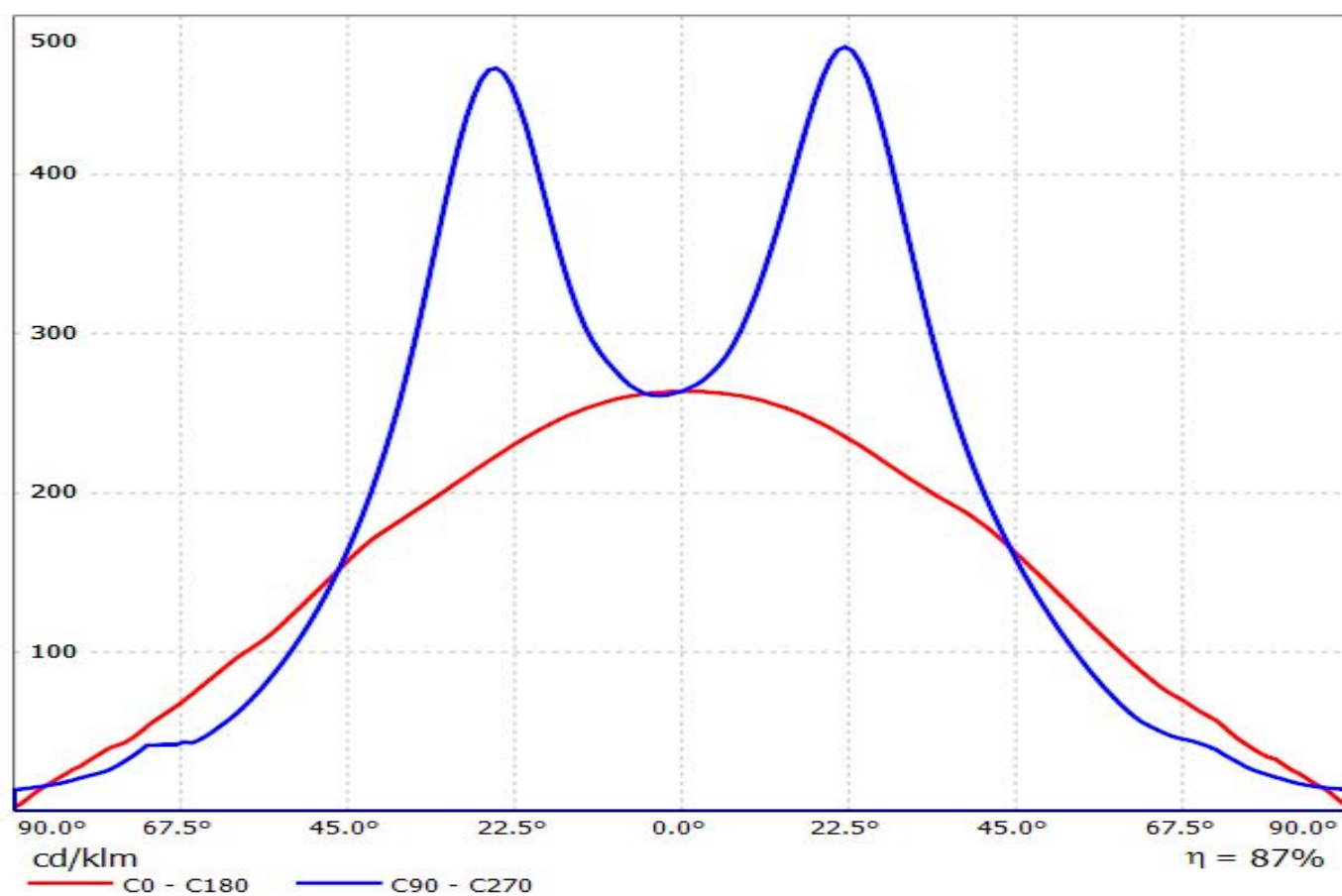
Section view A-A
Scale: 2:1



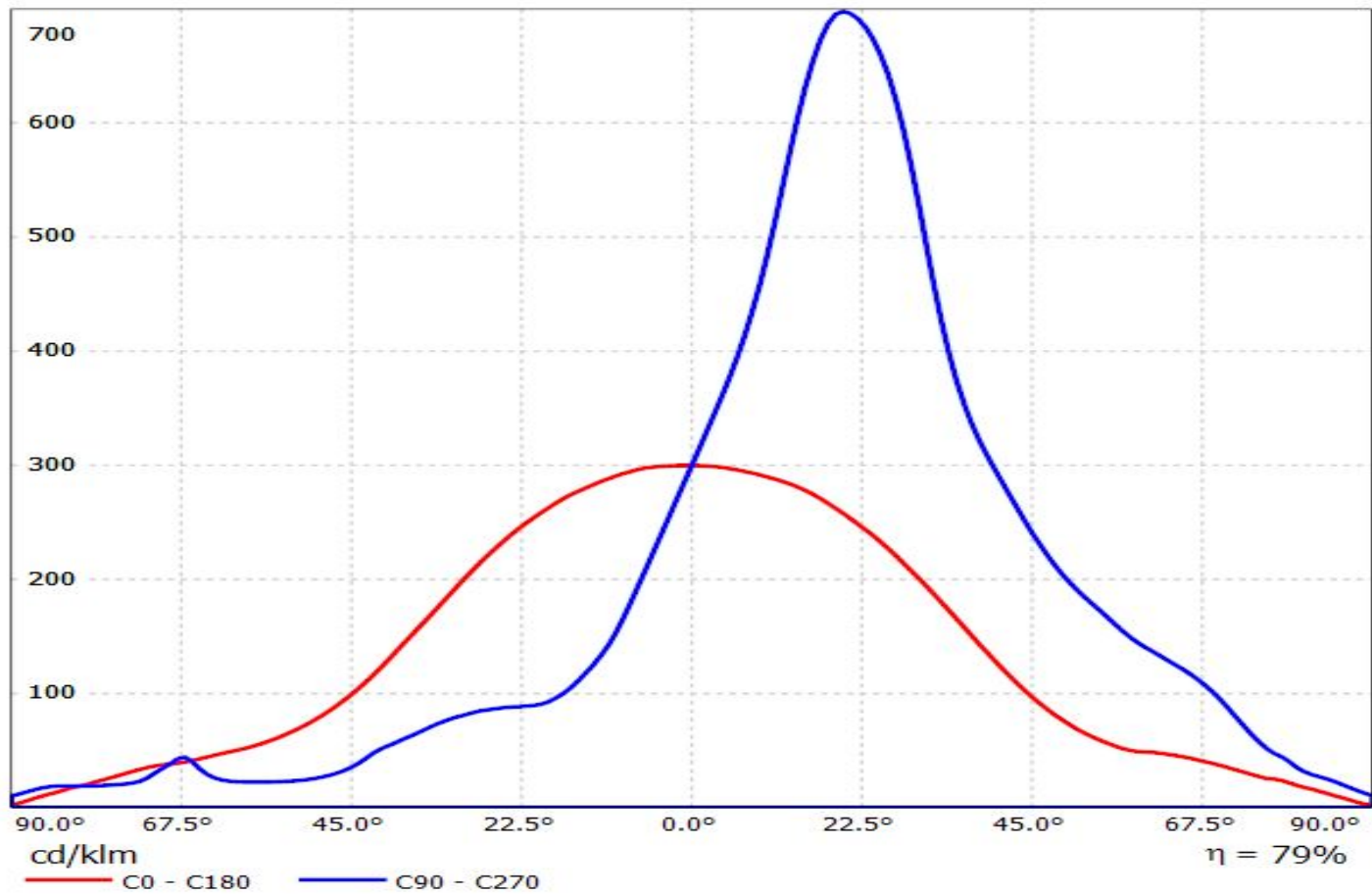
Isometric view
Scale: 1:1

		INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
		1	F15952	LINNEA-0-B	PC Lexan 123R	clear
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L THIRD ANGLE PROJECTION:  This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		LEDiL	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland			
			DRAWING TITLE F15952_LINNEA-0-B			
				SIZE A2	PART NUMBER F15952	
		SCALE	1:1	WEIGHT	-	SHEET 1/1

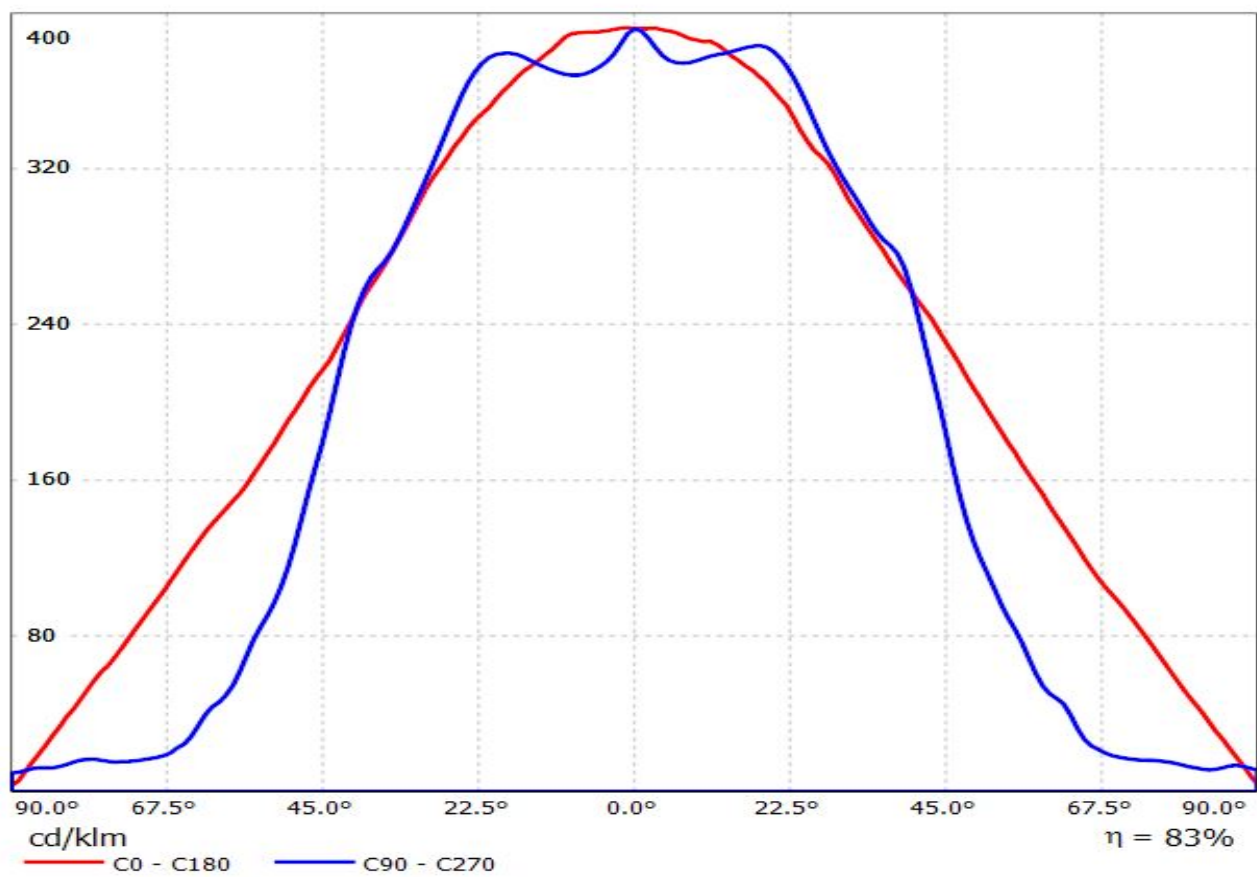
Luminaire: Ledil F15860_LINNEA-Z2T25_(LM561B+)_Cav2
Lamps: 1 x Samsung_LM561B+_1370.96lm@250mA_P=9.12885W_I=0.25A



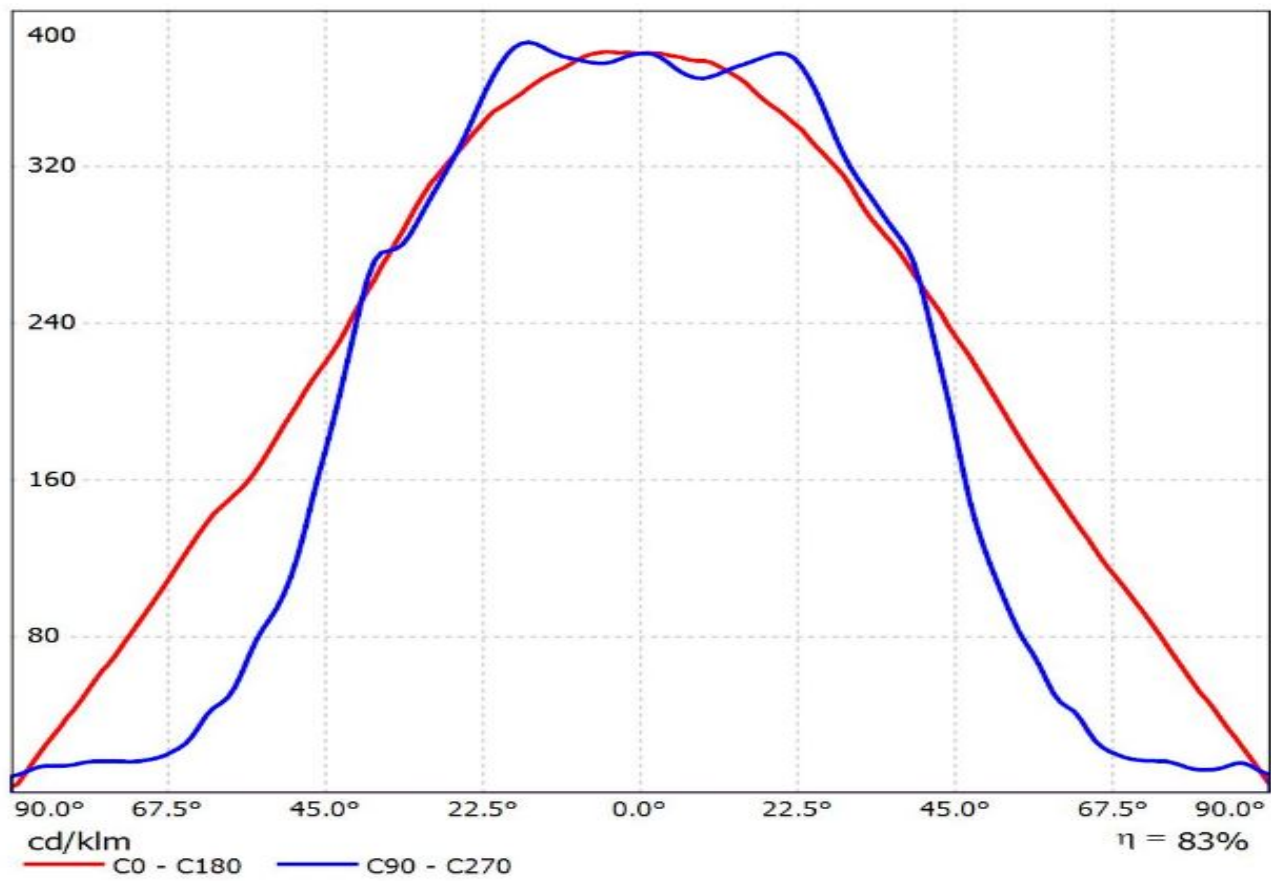
Luminaire: LEDiL Oy F15861_LINNEA-ZT25_(LM561B+)_Cav1
Lamps: 1 x Samsung_LM561B+_1352.18lm@250mA_P=9.11545W_I=0.25A



Luminaire: Ledil F15523_LINNEA-90_(LM561B+)
Lamps: 1 x Samsung_LM561B+_1417.99lm@250mA_P=9.152W_I=0.25A

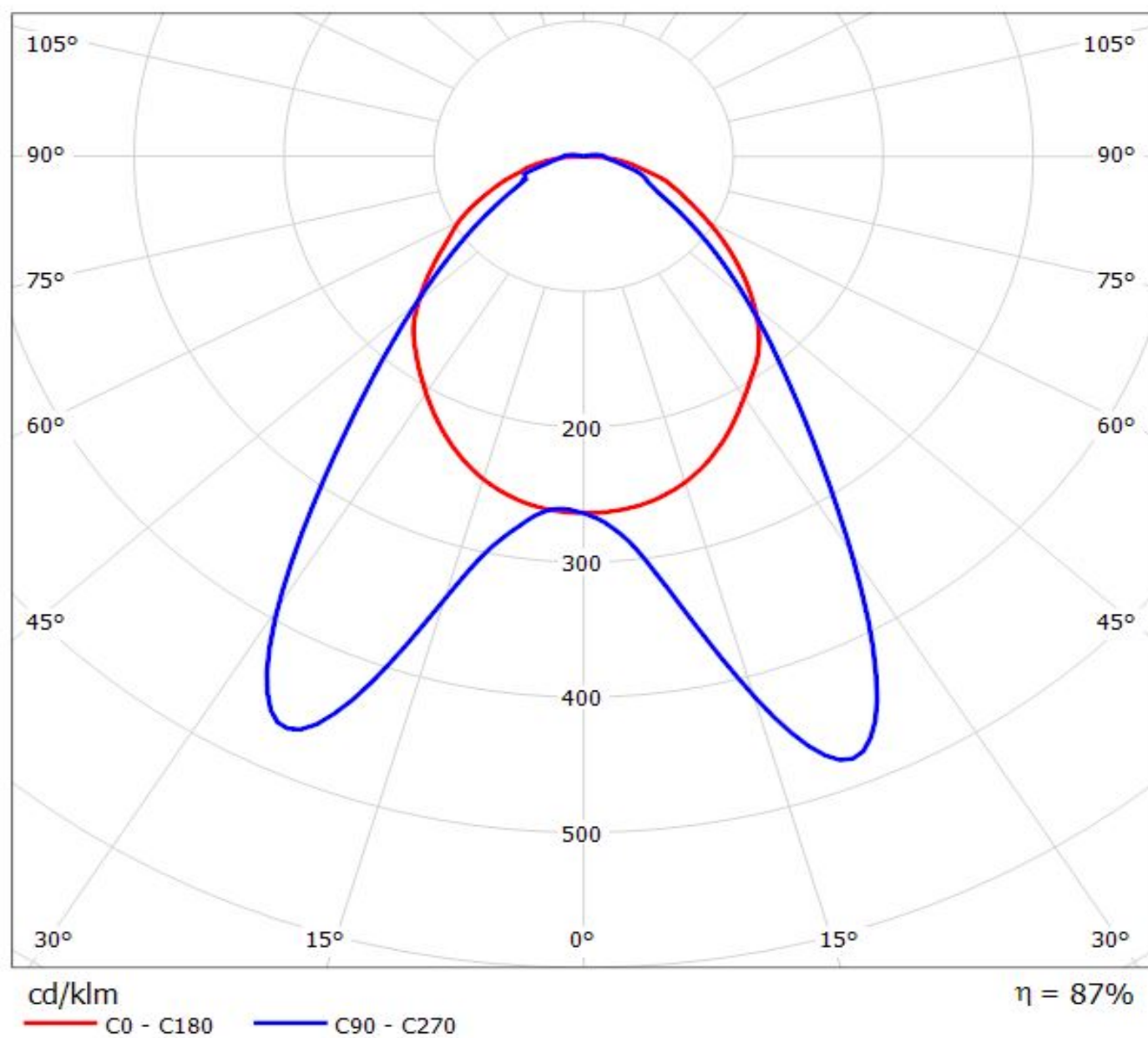


Luminaire: Ledil F15940_LINNEA-90-B_(LM561B+)
Lamps: 1 x Samsung_LM561B+_x24_1418.16lm@250mA_P=9.1415W_I=0.25A

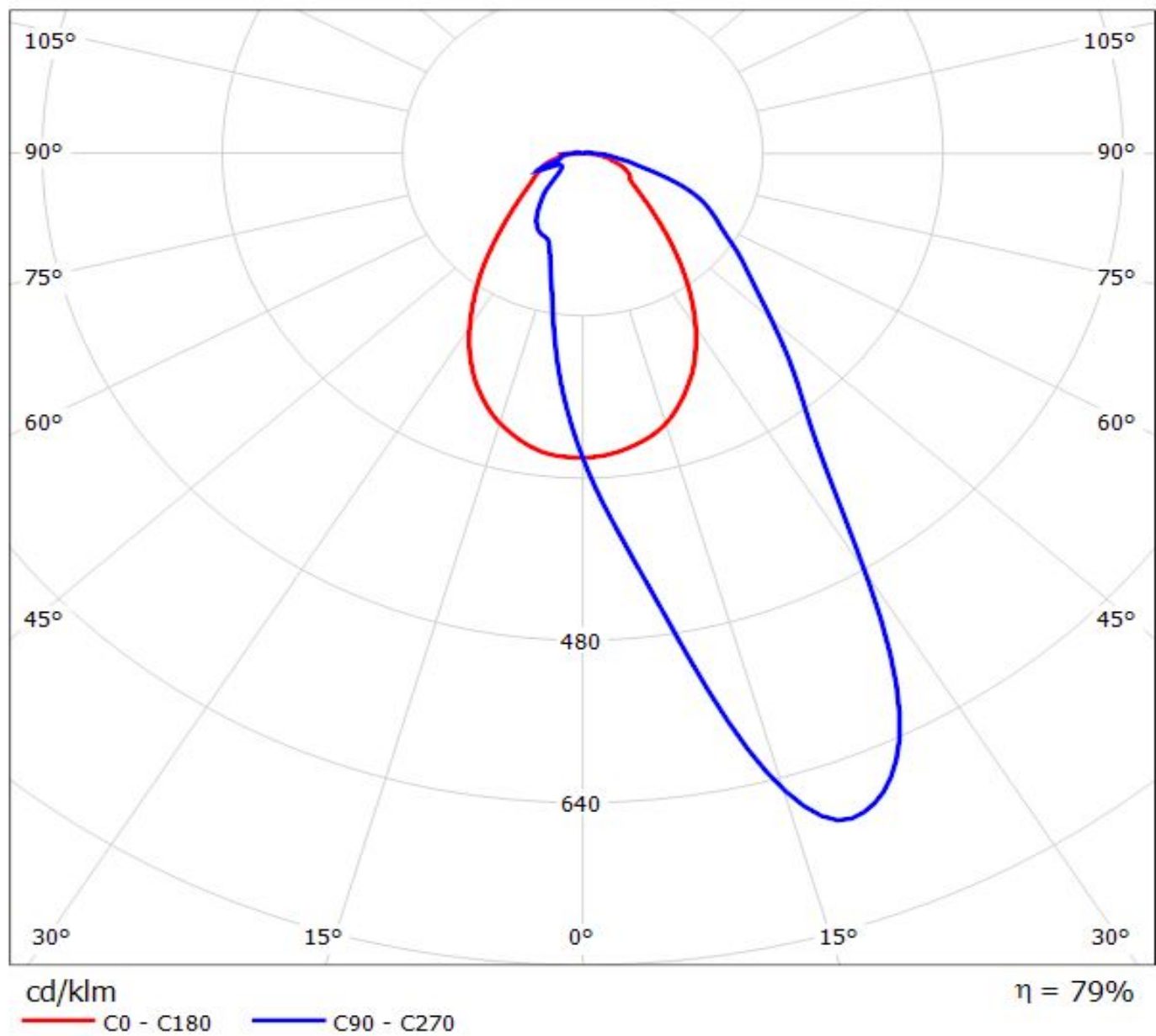


Luminaire: Ledil F15860_LINNEA-Z2T25_(LM561B+)_Cav2

Lamps: 1 x Samsung_LM561B+_1370.96lm@250mA_P=9.12885W_I=0.25A

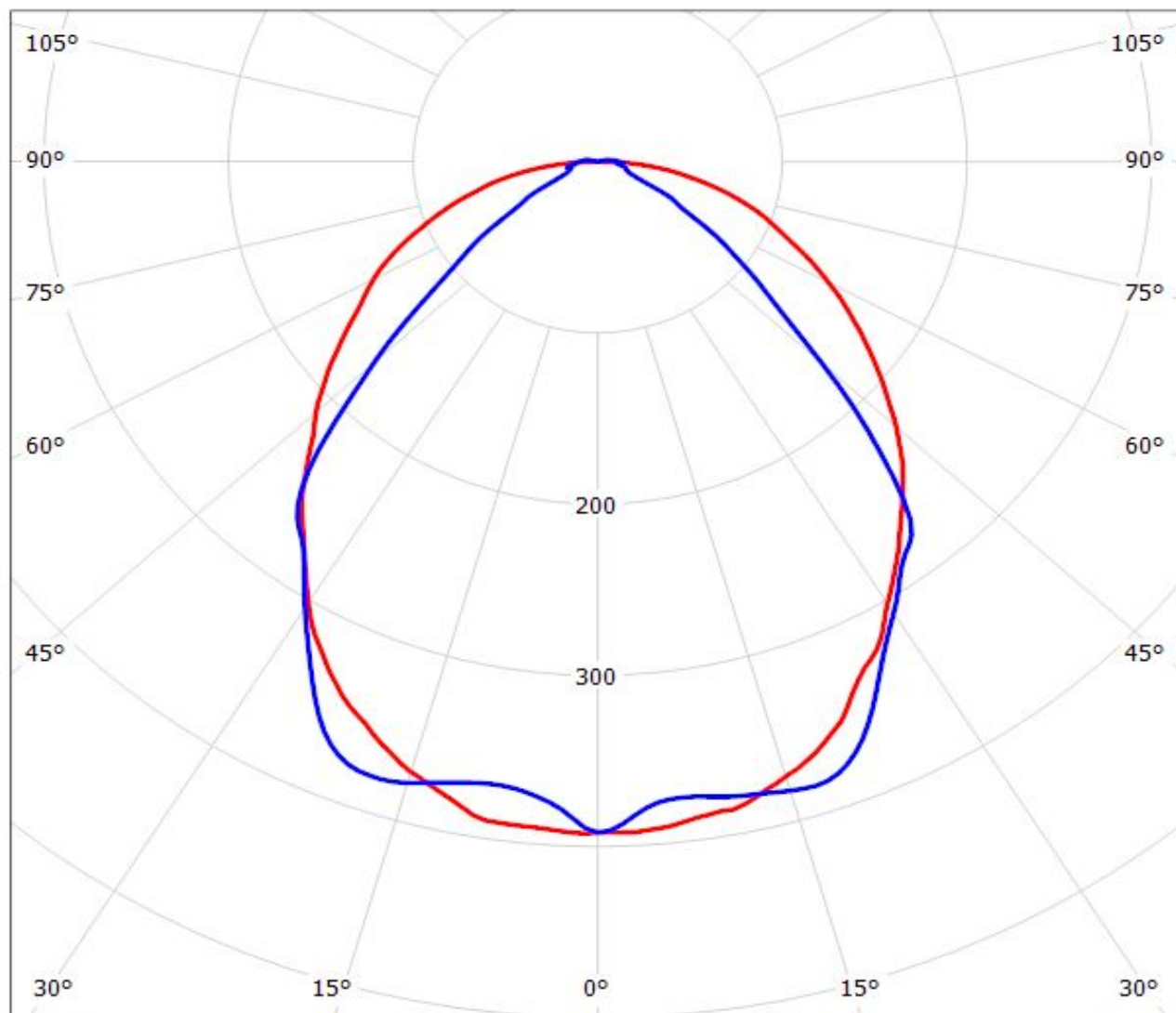


Luminaire: LEDiL Oy F15861_LINNEA-ZT25_(LM561B+)_Cav1
Lamps: 1 x Samsung_LM561B+_1352.18lm@250mA_P=9.11545W_I=0.25A



Luminaire: Ledil F15523_LINNEA-90_(LM561B+)

Lamps: 1 x Samsung_LM561B+_1417.99lm@250mA_P=9.152W_I=0.25A



cd/klm

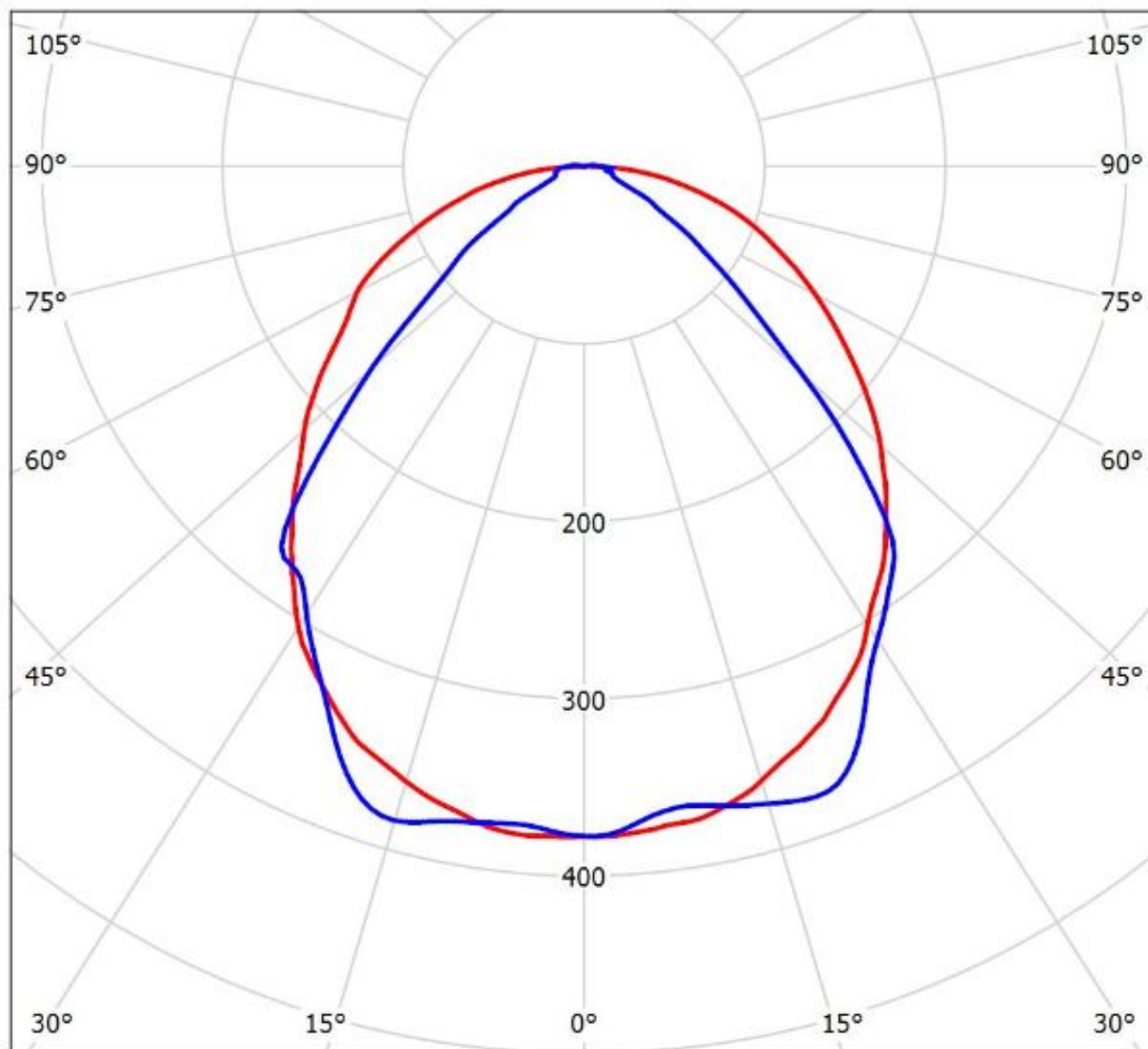
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: Ledil F15940_LINNEA-90-B_(LM561B+)

Lamps: 1 x Samsung_LM561B+_x24_1418.16lm@250mA_P=9.1415W_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$