Product number　　**C12727_STRADA-SQ-VSM**
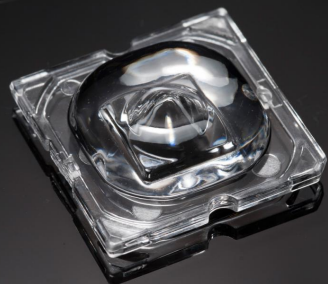
Family	Strada	FWHM	(simulated) 150
Type	Lens	Efficiency	(simulated) 90 %
LED	Duris P10	cd/lm	(simulated) 0.357
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	6.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		

Product number　　**CA12889_STRADA-SQ-T-DWC**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 87 %
LED	Duris P10	cd/lm	(simulated) 0.580
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.15 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin", "screw"]		
Status	Production ready		

Product number　　**CA12891_STRADA-SQ-VSM**

Family	Strada	FWHM	(simulated) 150
Type	Assembly	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	(simulated) 0.400
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　　**CA13362_STRADA-SQ-VSM**

Family	Strada	FWHM	(simulated) 151
Type	Assembly	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	(simulated) 0.400
Color	Clear	Gerber File	Available
Diameter	25 mm		
Height	6.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape"]		
Status	Production ready		

Product number   **C13687_STRADA-SQ-T3**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 90 %
LED	Duris P10	cd/lm	(simulated) 0.565
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.2 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin", "glue"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T3 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.
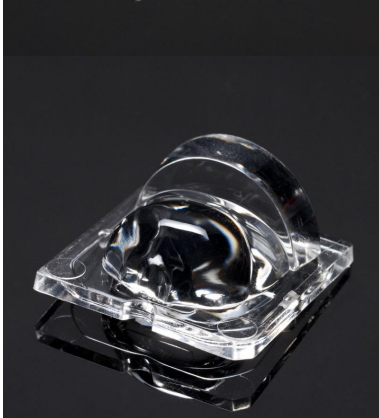
Product number   **C13751_STRADA-SQ-FW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.970
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	15.25 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

Product number   **CA13753_STRADA-SQ-FW**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 1.100
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	15.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw", "tape"]		
Status	Production ready		

Product number   **C13757_STRADA-SQ-FS-NP**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 1.050
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 DATASHEET
Strada series
last update 15/12/2016
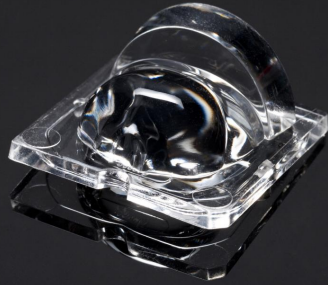
Product number **CA13758_STRADA-SQ-FS-NP**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 90 %
LED	Duris P10	cd/lm	(simulated) 1.000
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 **CA13837_STRADA-SQ-T-DWC**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 87 %
LED	Duris P10	cd/lm	(simulated) 0.580
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.15 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "screw"]		
Status	Production ready		

Product number **C13866_STRADA-SQ-CY**

Family	Strada	FWHM	(simulated) 110+106
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.423
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		
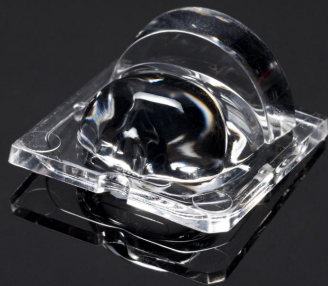
Product number **C13896_STRADA-SQ-FS**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 1.050
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		
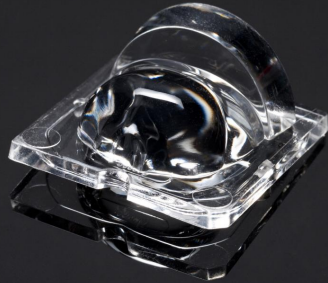
Product number **CA13897_STRADA-SQ-FS**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 90 %
LED	Duris P10	cd/lm	(simulated) 1.200
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 **C14020_STRADA-SQ-ME**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.654
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-ME lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number **CA14026_STRADA-SQ-ME**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 0.710
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin", "screw"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-ME lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number **C14029_STRADA-SQ-T4-NP**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 93 %
LED	Duris P10	cd/lm	(simulated) 0.490
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	9.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T4 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance. This version is without positioning pins.

Product number　　**C14031_STRADA-SQ-T4**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.523
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	9.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T4 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number　　**CA14032_STRADA-SQ-T4**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 0.580
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	9.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape", "pin"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T4 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number　　**C14119_STRADA-SQ-FS2**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	0.540
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw", "glue"]		
Status	Production ready		

Optical measurement done with flat cover glass.

Product number　　**CA14120_STRADA-SQ-FS2**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 88 %
LED	Duris P10	cd/lm	(simulated) 0.630
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.2 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Optical measurement done with flat cover glass.

Product number **C14121_STRADA-SQ-FS2-NP**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	(simulated) 0.550
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8 mm	Optical measurement done with flat cover glass.	
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw"]		
Status	Production ready		

Product number **CA14122_STRADA-SQ-FS2-NP**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 88 %
LED	Duris P10	cd/lm	(simulated) 0.550
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.2 mm	Optical measurement done with flat cover glass.	
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number **CA14219_STRADA-SQ-CY**

Family	Strada	FWHM	(simulated) 115
Type	Assembly	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.460
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 **CS14632_STRADA-2X2MX-DWC**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	90x90 mm		
Height	11.13 mm		
Style	Square		
Optic Material	-		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

Product number   **C14656_STRADA-SQ-ANZ-P**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 0.547
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.12 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "glue", "screw", "pin"]		
Status	Production ready		
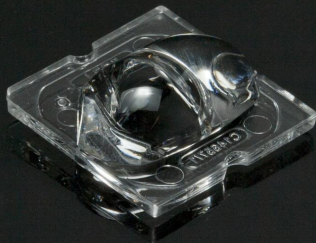
Product number   **C14657_STRADA-SQ-ANZ-V**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape", "pin", "glue"]		
Status	Production ready		

Product number   **CA14744_STRADA-SQ-ANZ-P**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 91 %
LED	Duris P10	cd/lm	(simulated) 0.557
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.12 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		
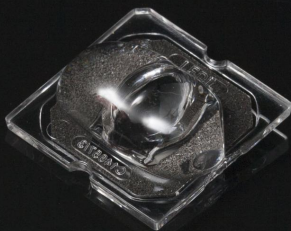
Product number   **CA14745_STRADA-SQ-ANZ-V**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	25x25 mm		
Height	8.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

PRODUCT DATASHEET
Strada series
last update 15/12/2016

Product number   **CS14764_STRADA-2X2MX-VSM**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.420
Color	Clear	Gerber File	Available
Diameter	90x90 mm		
Height	13.13 mm	Type VS	
Style	Square		
Optic Material	-		
Holder Material	-		
Fastening	""		
Status	Production ready		

Product number   **C14948_STRADA-SQ-T3B**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.500
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.2 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T3 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number   **CA14949_STRADA-SQ-T3B**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 92 %
LED	Duris P10	cd/lm	(simulated) 0.560
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T3 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

Product number   **CA13688_STRADA-SQ-T3**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	(simulated) 0.640
Color	Clear	Gerber File	Available
Diameter	25 x 25 mm		
Height	8.4 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

We recommend a minimum center to center spacing between STRADA-SQ-T3 lenses of 30mm (edge to edge spacing >5mm) to ensure the best optical performance.

PRODUCT DATASHEET
Strada series
last update 15/12/2016

Product number   **CA13752_STRADA-SQ-FT**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 89 %
LED	Duris P10	cd/lm	(simulated) 0.790
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   **CS14841_STRADA-2X2MX-SCL**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 88 %
LED	Duris P10	cd/lm	(simulated) 0.800
Color	Clear	Gerber File	Available
Diameter	90x90 mm		
Height	13.17 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

Product number   **CA15226_STRADA-SQ-FS3**

Family	Strada	FWHM	(simulated) Asymmetric
Type	Assembly	Efficiency	(simulated) 86 %
LED	Duris P10	cd/lm	(simulated) 1.340
Color	Clear	Gerber File	Available
Diameter	25 + 25 mm		
Height	16.2 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Forward throw optic for Tunnel lighting applications. High forward peak at 65deg.

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.
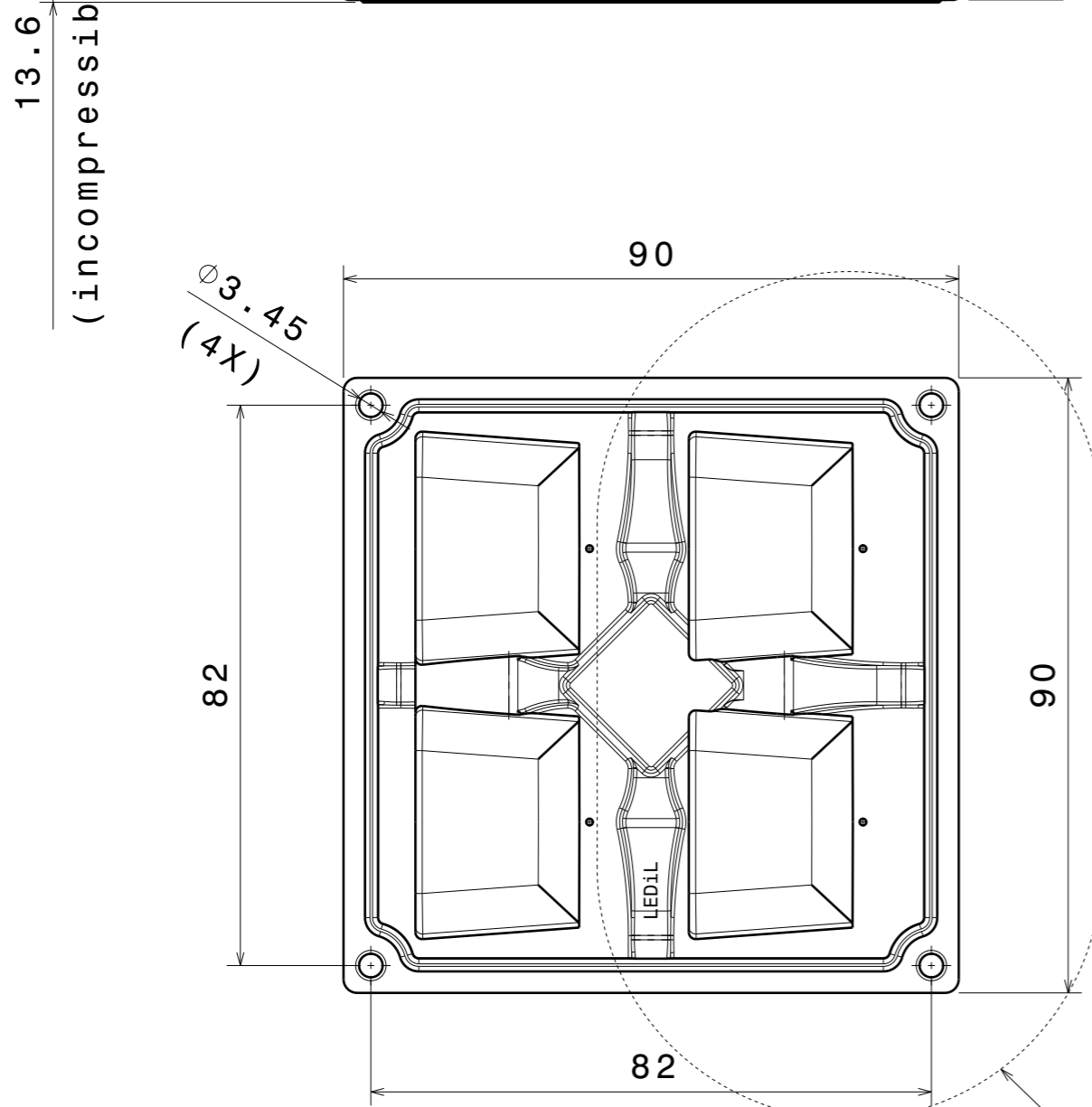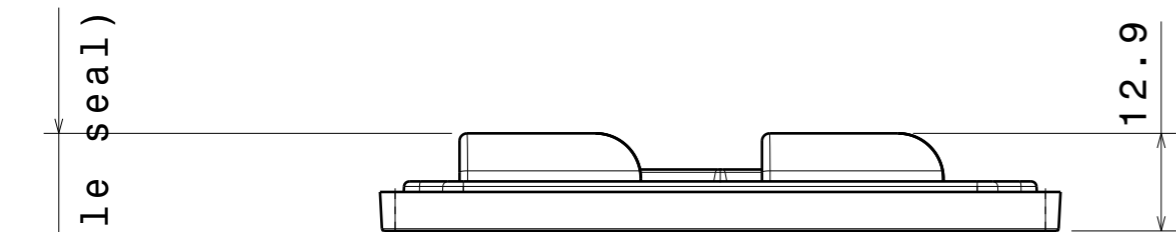
GENERAL INFORMATION

- Product series especially designed & optimized for Duris P10 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.
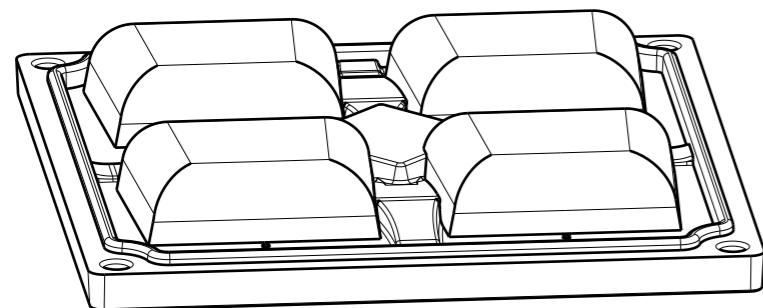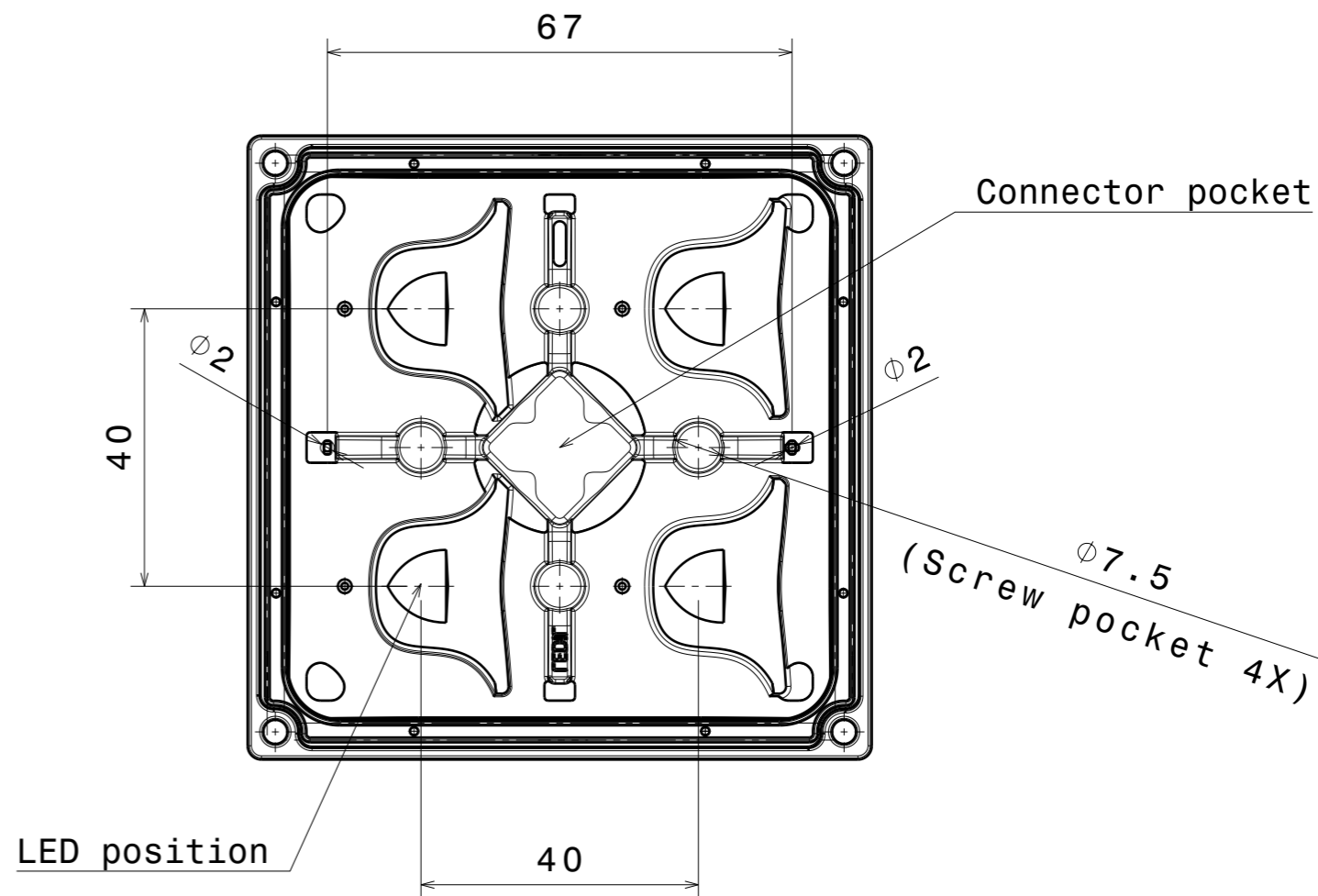
Please find more information about used material from below:
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

2x2mx

13.6 (incompressible seal)

12.9

90

∅3.45 (4X)

82

90

82

Beam direction

67

Connector pocket

∅2

∅2

(Screw pocket 4X)

∅7.5

40

40

LED position

THIRD ANGLE PROJECTION:

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14631	STRADA-2X2MX-SEAL	silicone	
2	C14725	STRADA-2X2MX-SCL	PMMA	

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CS14841_STRADA-2X2MX-SCL

SIZE	PART NUMBER		
A3	CS14841		
SCALE 1:1	WEIGHT 44.2 g		SHEET 1/1

Isometric view (1:1)

Luminaire: Ledil Oy CA13688_STRADA-SQ-T3_(Duris_P10)
Lamps: 1 x OSRAM Duris P10
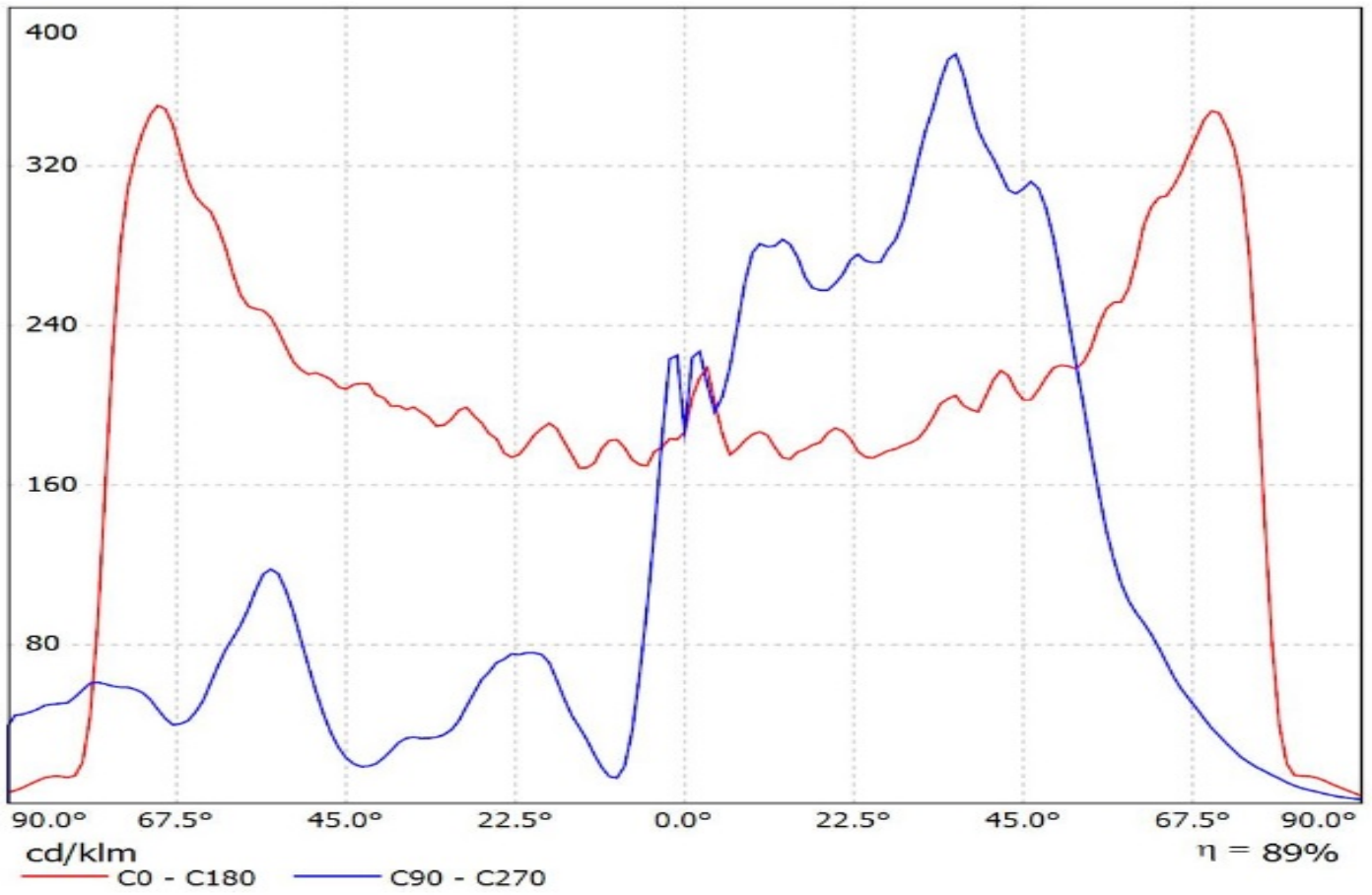
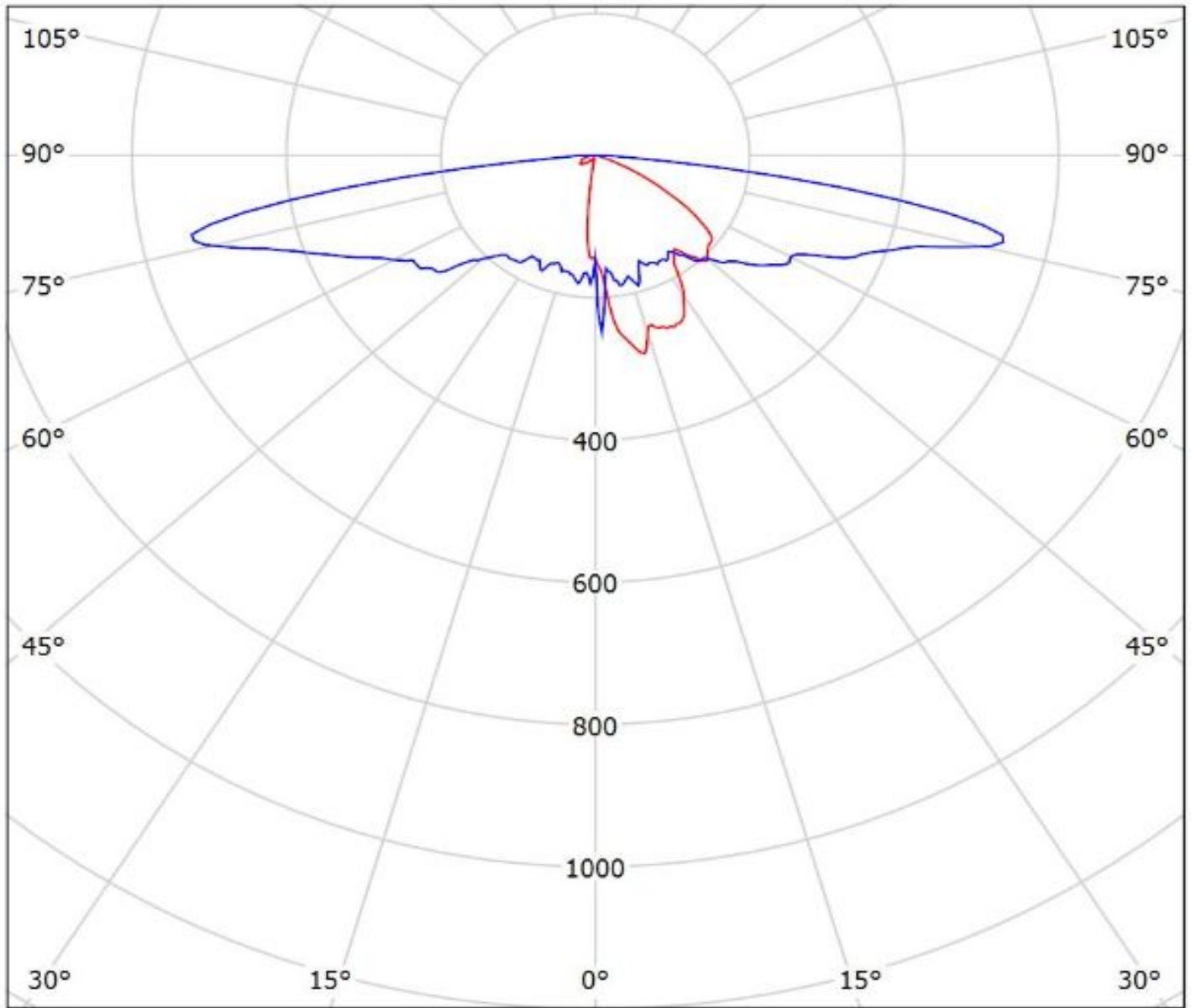cd/klm   η = 89%
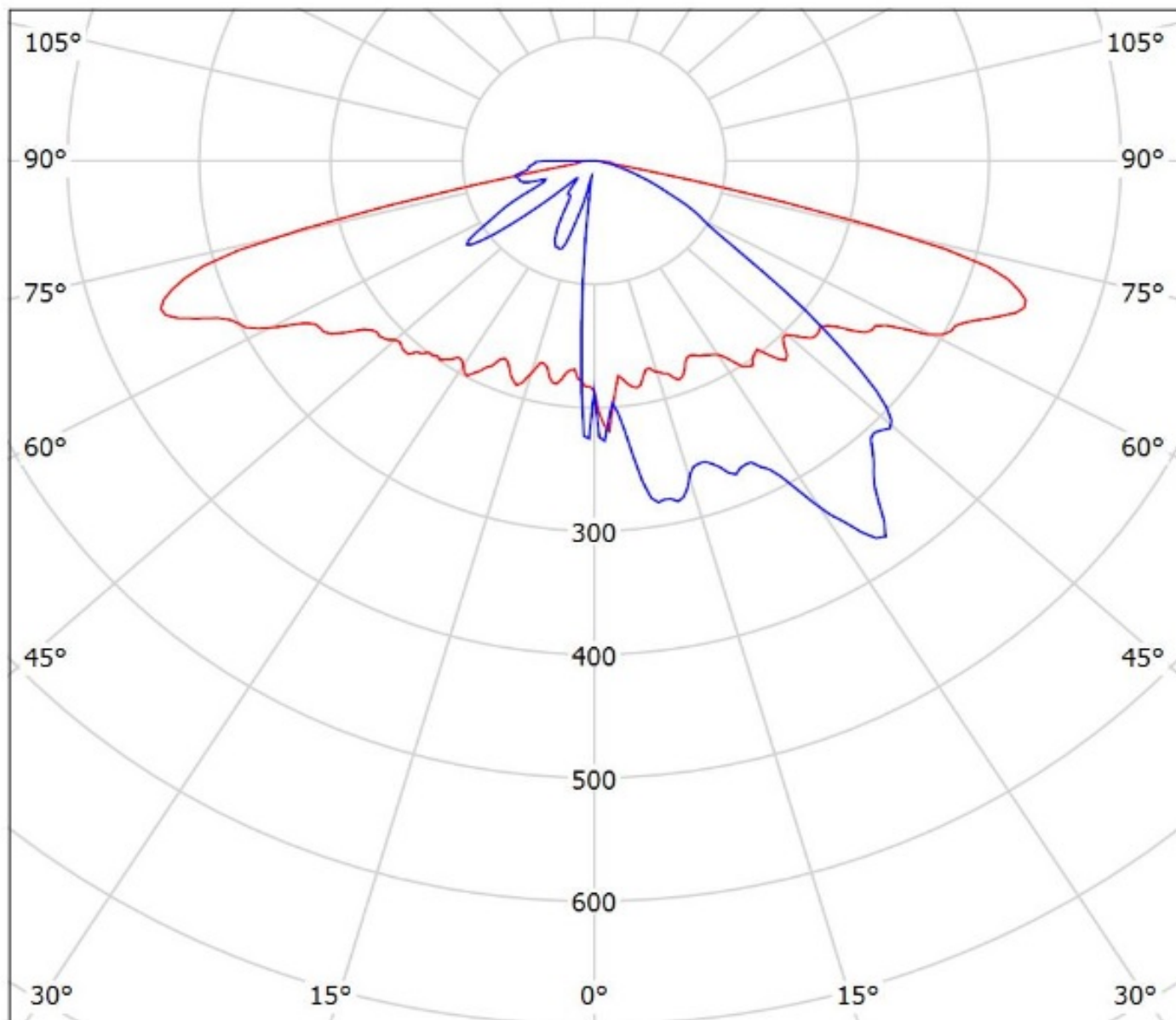
— C0 - C180   — C90 - C270

Luminaire: Ledil Oy C14725_STRADA-2X2MX-SCL_DURIS_P10_SIMULATED
Lamps: 1 x DURIS P10

cd/klm

— C0 - C180   — C90 - C270

η = 88%

Luminaire: Ledil Oy CA13688_STRADA-SQ-T3_(Duris_P10)
Lamps: 1 x OSRAM Duris P10

cd/klm

η = 89%

C0 - C180   C90 - C270

Luminaire: Ledil Oy C14725_STRADA-2X2MX-SCL_DURIS_P10_SIMULATED
Lamps: 1 x DURIS P10

cd/klm

η = 88%

—— C0 - C180   —— C90 - C270