

**Ordering number FA11208_TINA-RS**

Family	Tina	FWHM	15 degrees
Type	Assembly	Efficiency	(simulated) 88 %
LED	SFH 4715S (IR)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11205_TINA-D**

Family	Tina	FWHM	18 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	SFH 4715S (IR)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11206_TINA-M**

Family	Tina	FWHM	28 degrees
Type	Assembly	Efficiency	(simulated) 86 %
LED	SFH 4715S (IR)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11207_TINA-W**

Family	Tina	FWHM	32 degrees
Type	Assembly	Efficiency	(simulated) 88 %
LED	SFH 4715S (IR)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11027_TINA-WW**

Family	Tina	FWHM	36 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	SFH 4715S (IR)	cd/lm	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11204_TINA-O**

Family	Tina	FWHM	40+16 degrees
Type	Assembly	Efficiency	(simulated) 87 %
LED	SFH 4715S (IR)	cd/lm	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	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

Tina series

last update 20/2/2013



GENERAL INFORMATION

- Product series especially designed & optimized for SFH 4715S (IR) 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.

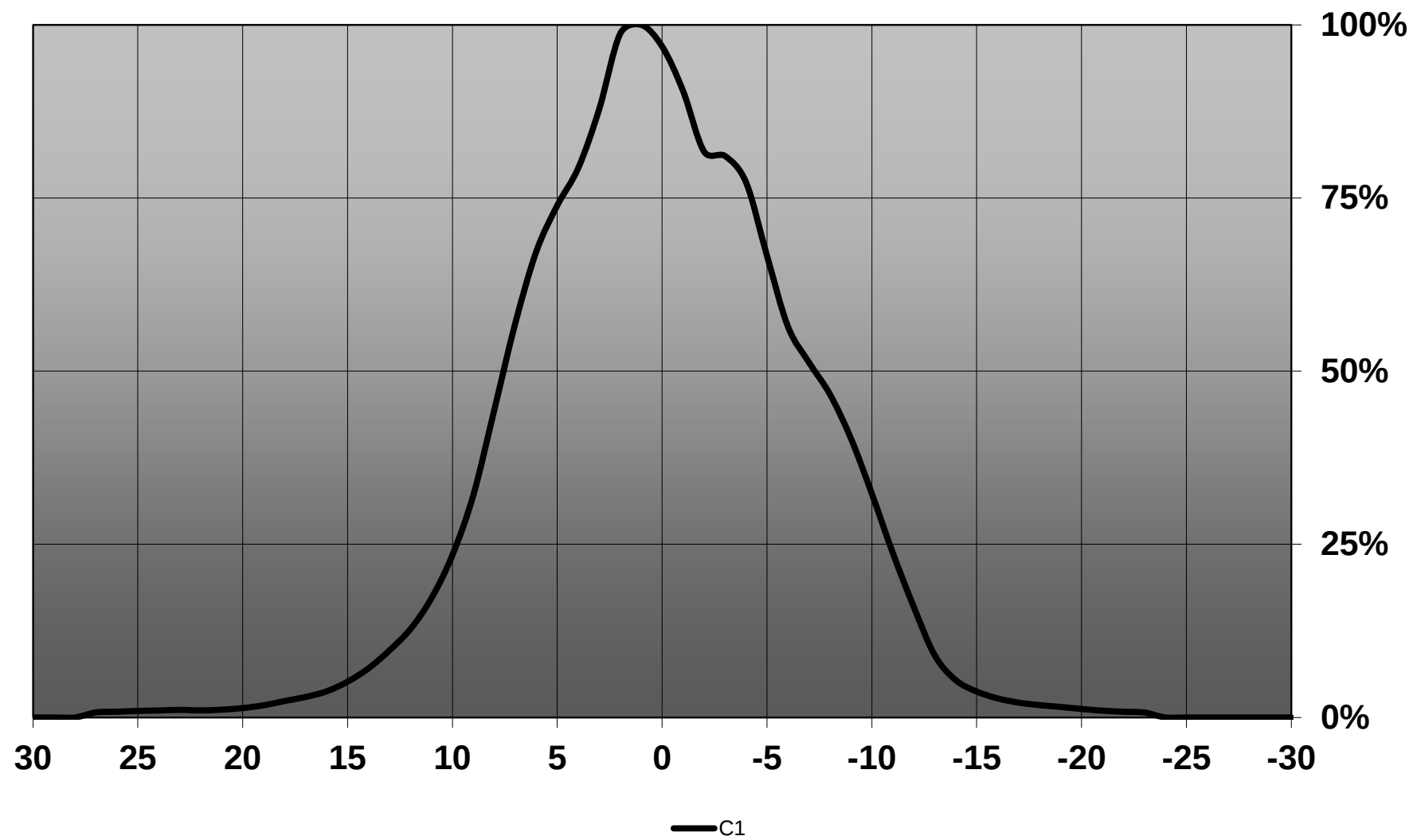
Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

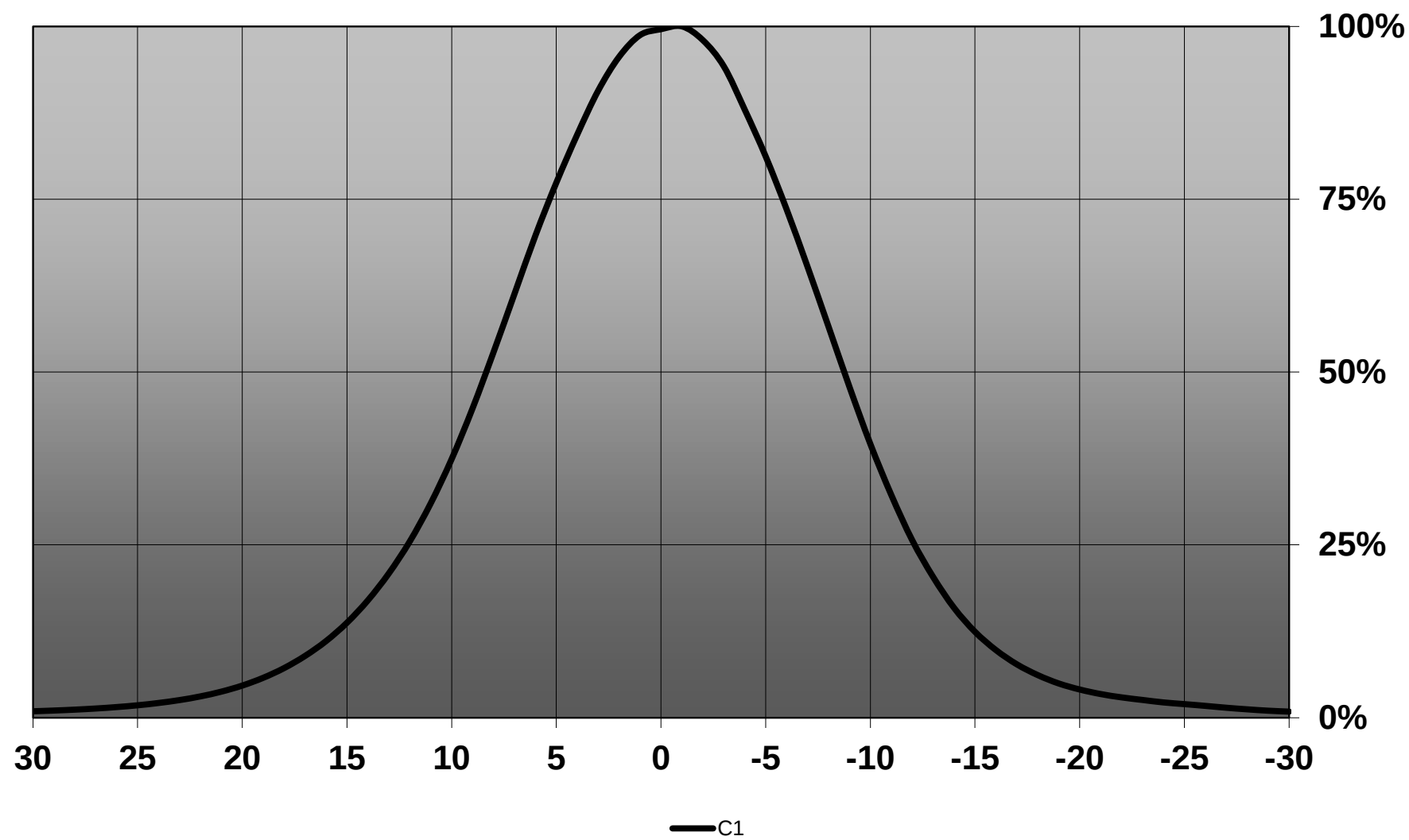
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

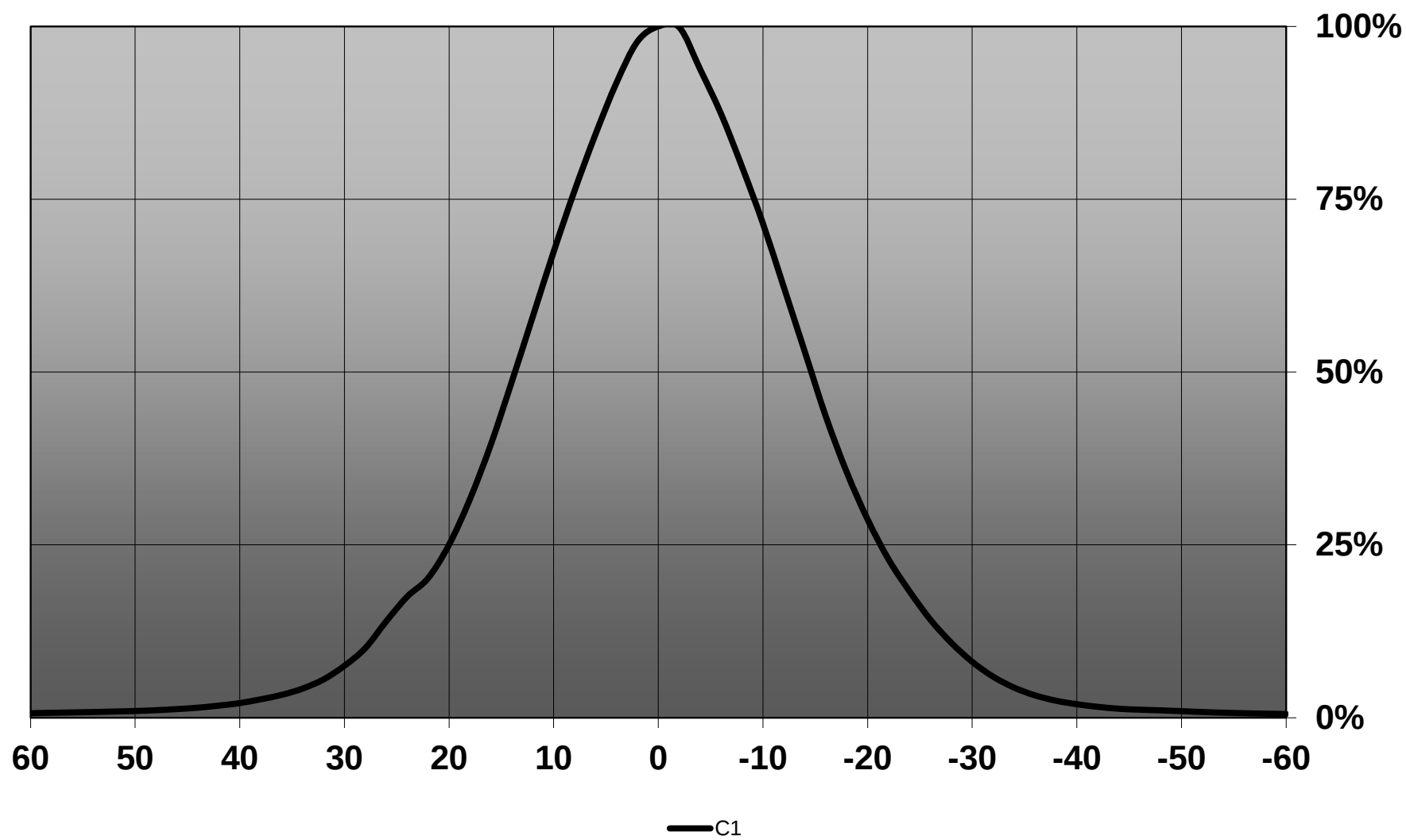
Relative intensity of FA11208_TINA-RS_SF4715S



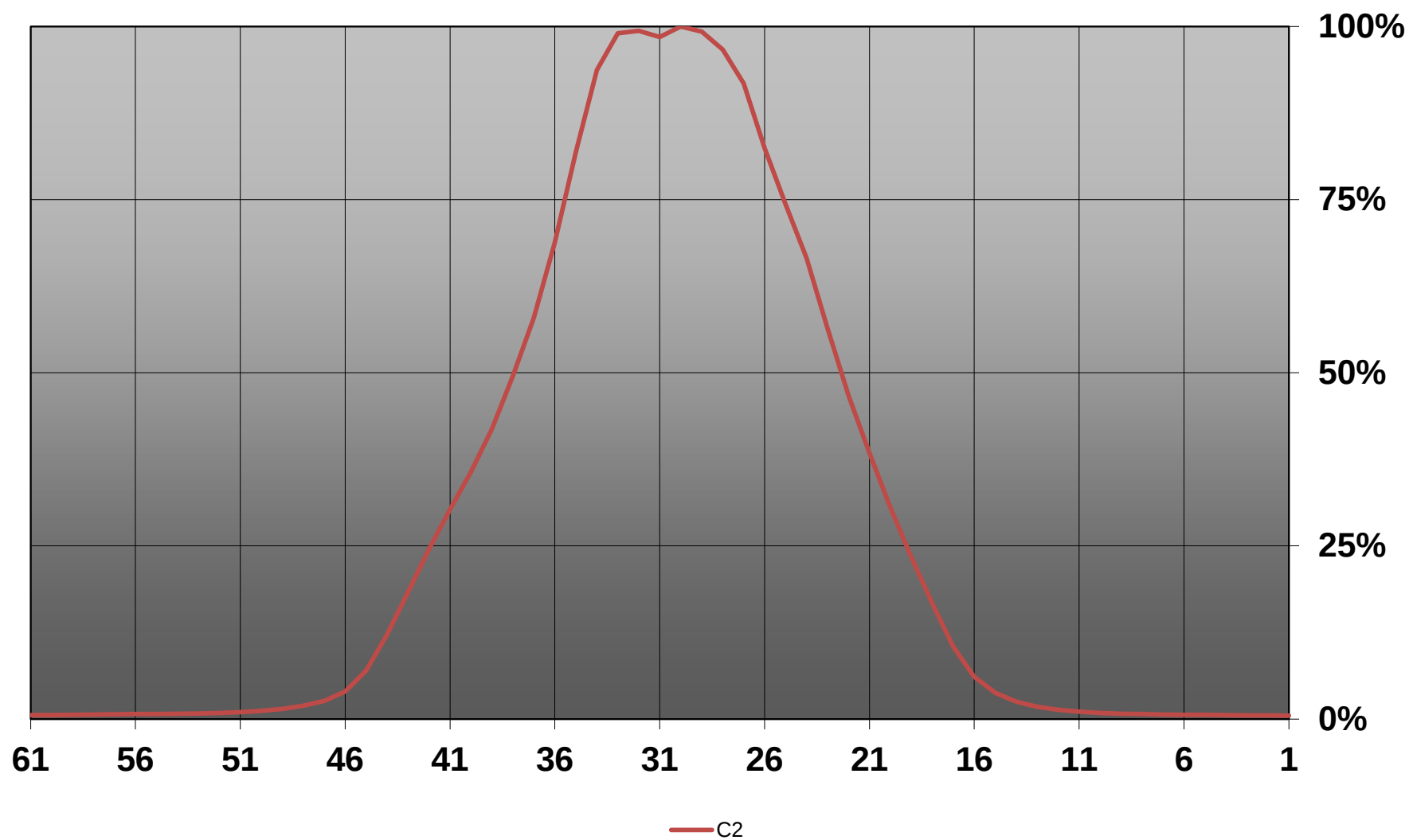
Relative intensity of FA11205_TINA-D_SF4715S



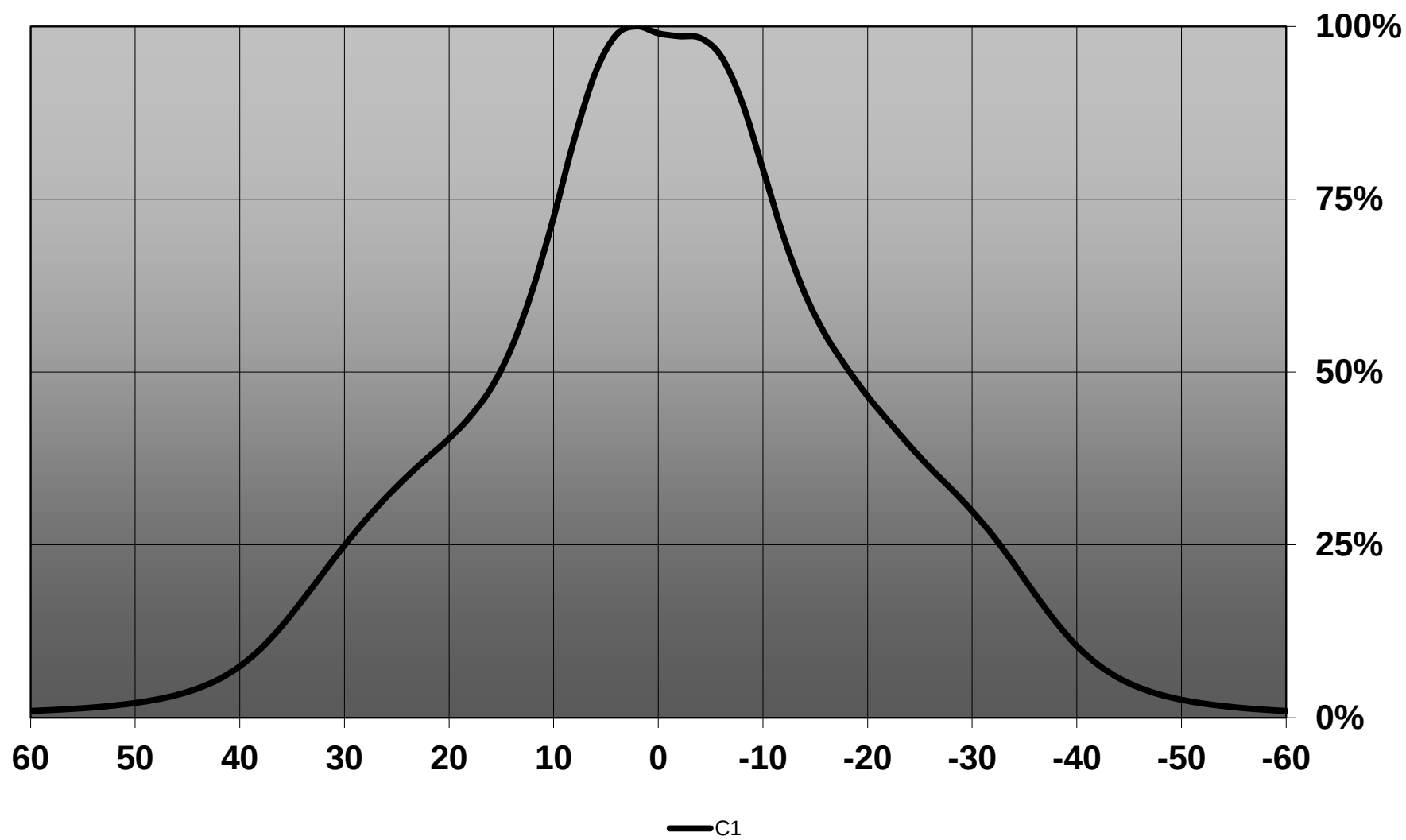
Relative intensity of FA11206_TINA-M_SF4715S



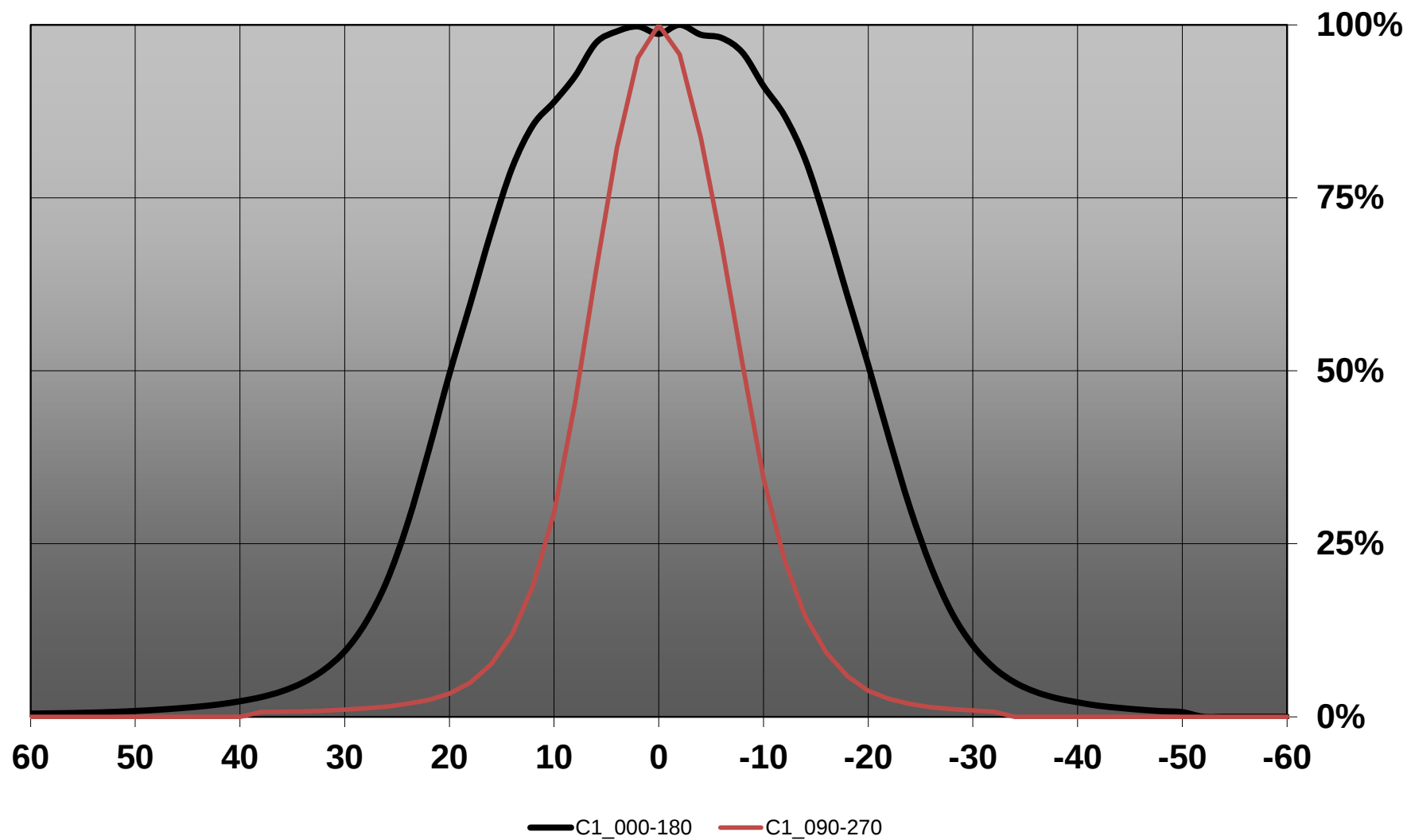
Relative intensity of FA11207_TINA-W_SF4715S



Relative intensity of FA11027_TINA-WW_SF4715S



Relative intensity of FA11204_TINA-O_SF4715S



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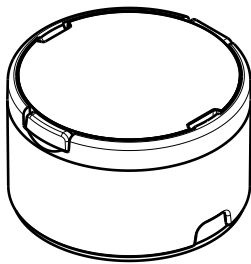
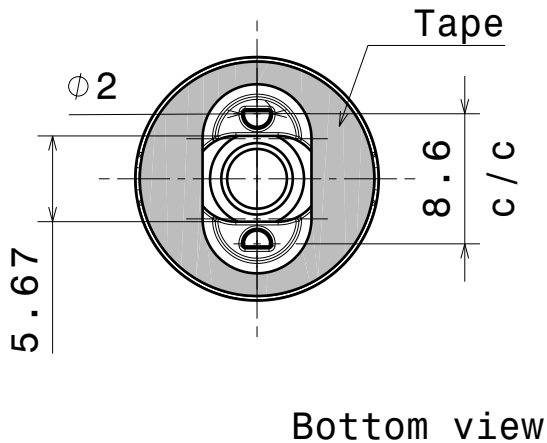
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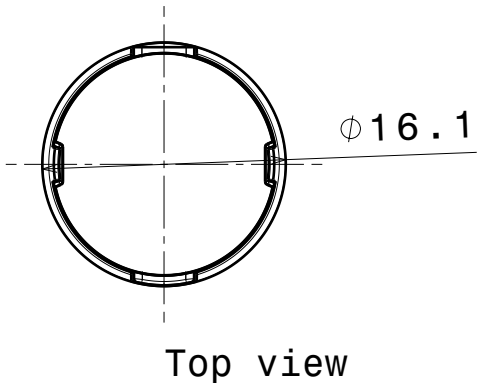
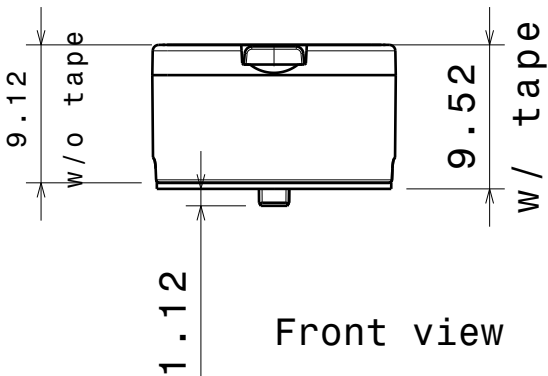
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Isometric view



Materials
Lens: PMMA
Holder: PC
Tape: PU Foam

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LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE Mechanical Drawing
TINA-OSL

DRAWN BY
as
DATE
10.9.2012

CHECKED BY
sn
DATE
-

DESIGNED BY
-
DATE
-

SIZE PART NUMBER REV
A4 TINA-OSL 001

SCALE WEIGHT SHEET
2:1 1,47 g 1/1

D

A