



Ordering number CA11387
Description CA11387_Emily-SS-XP-G

Family	Emily	FWHM	12 degrees
Type	Lens	Efficiency	-
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Tape, pin		
Status	Ready		



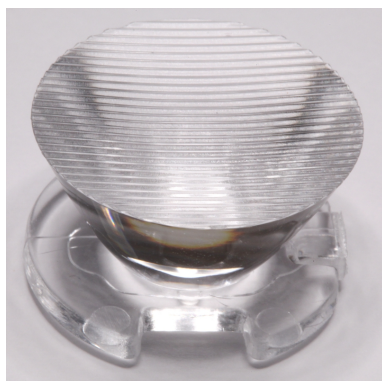
Ordering number CA11388
Description CA11388_Emily-M-XP-G

Family	Emily	FWHM	18 degrees
Type	Lens	Efficiency	-
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		



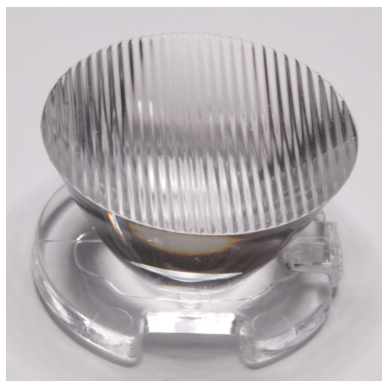
Ordering number CA11391
Description CA11391_Emily-M2-XP-G

Family	Emily	FWHM	30 degrees
Type	Lens	Efficiency	-
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Tape, pin		
Status	Ready		



Ordering number CA11389
Description CA11389_Emily-O-XP-G

Family	Emily	FWHM	44+12 degrees
Type	Lens	Efficiency	-
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		



Ordering number	CA11390		
Description	CA11390_Emily-O-90-XP-G		
Family	Emily	FWHM	44+12 degrees
Type	Lens	Efficiency	-
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Tape, pin		
Status	Ready		

Ordering number	CA11934		
Description	CA11934_Emily-W-XP-G		
Family	Emily	FWHM	40 degrees
Type	Lens	Efficiency	86 %
LED	XP-G	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
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.

GENERAL INFORMATION

- Product series especially designed & optimized for XP-G 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 (105 degrees of Celcius / 220 degrees of Fahrenheit). 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>

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

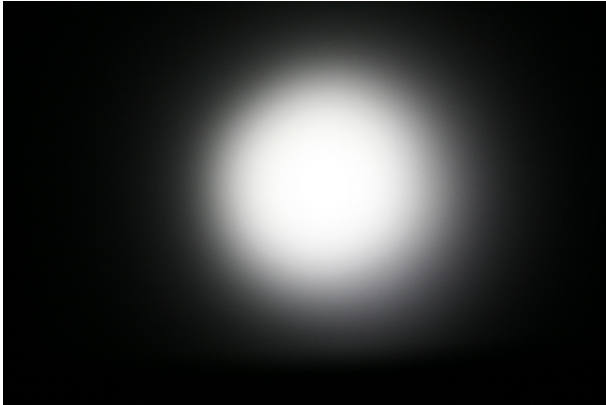
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

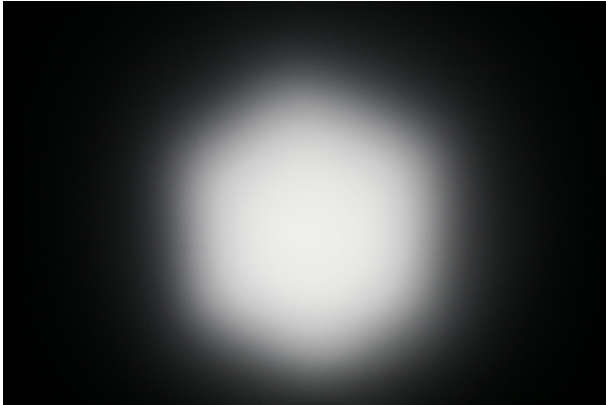
CA11388



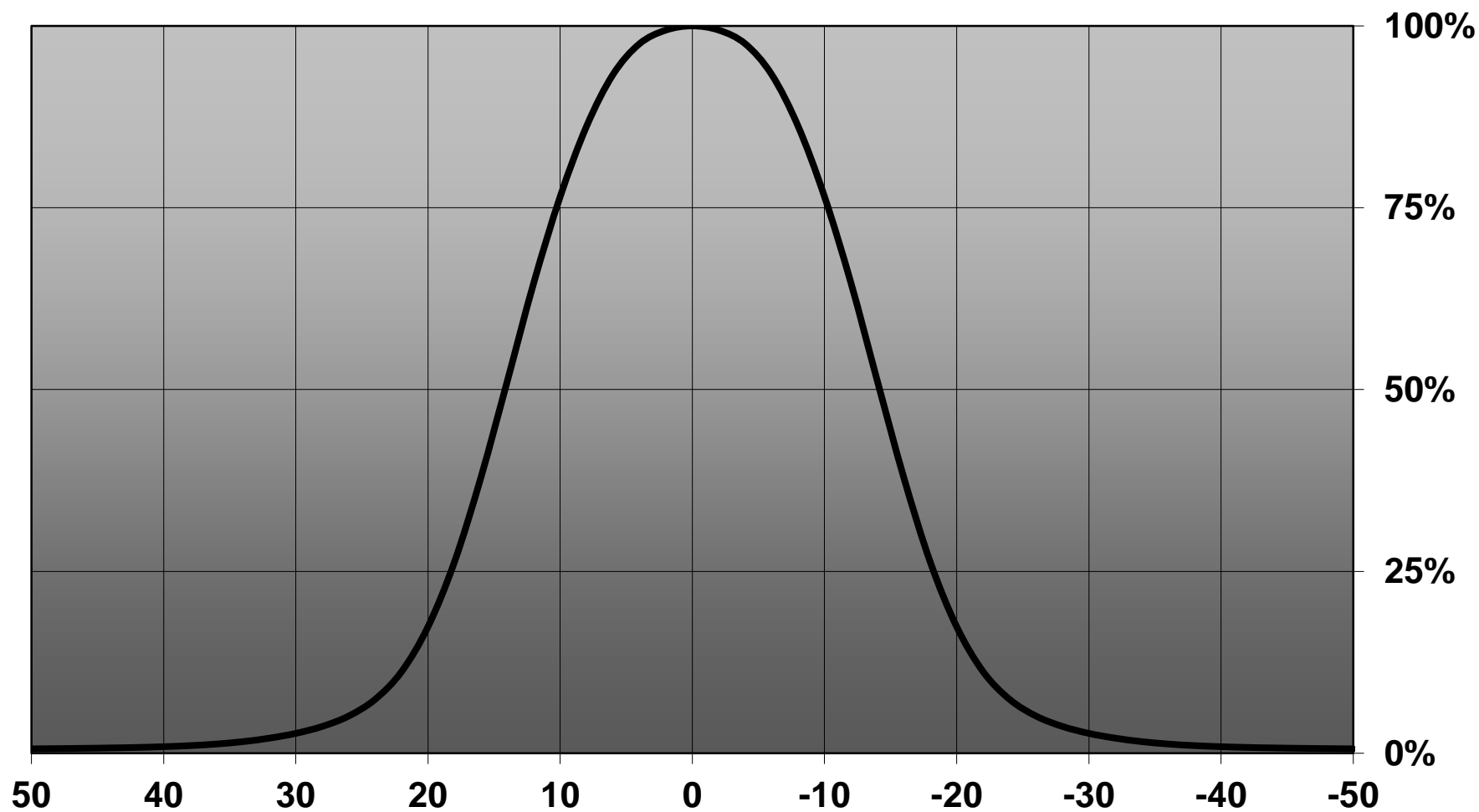
CA11389



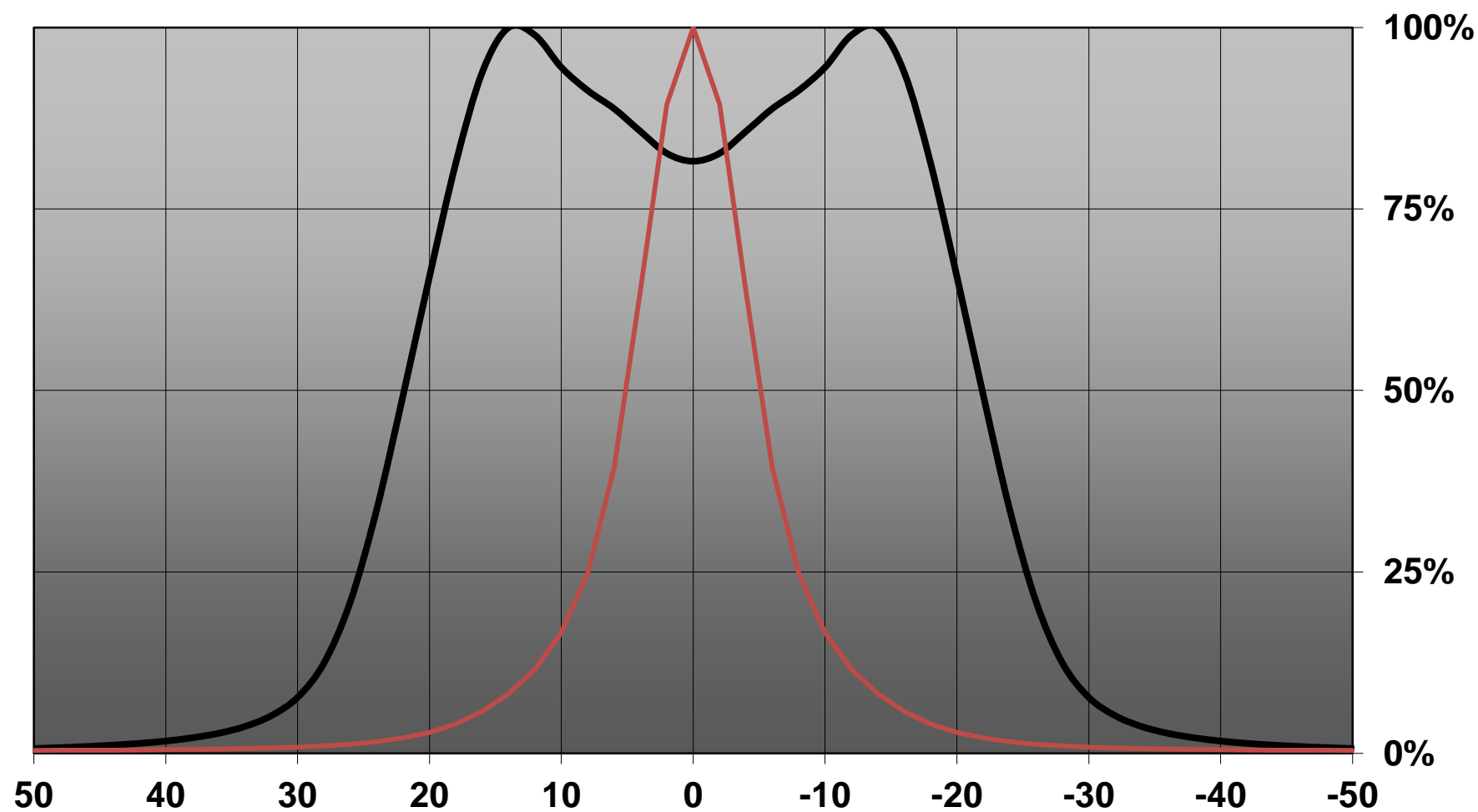
CA11391



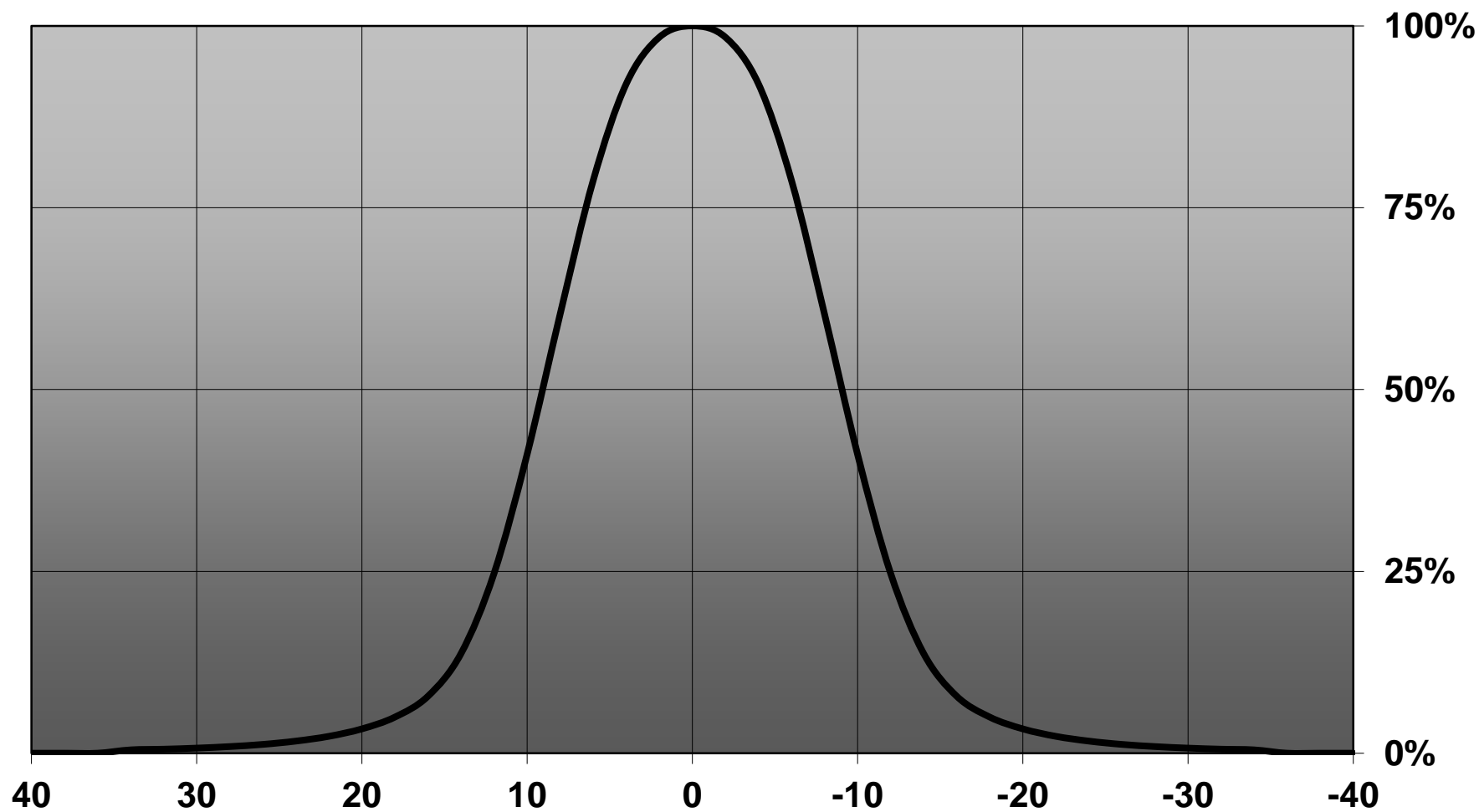
Relative intensity of CA11391_Emily-M2-XP-G



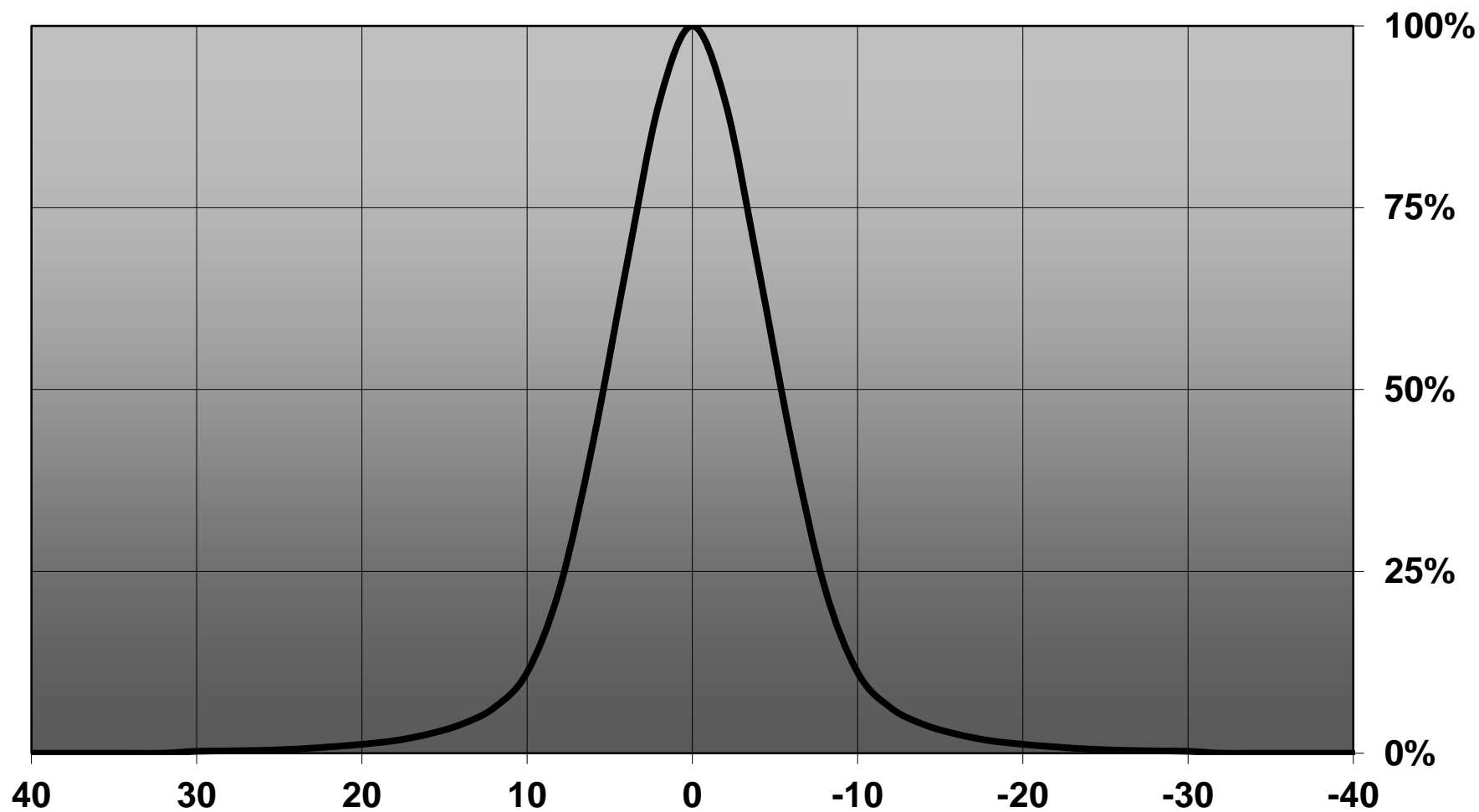
Relative intensity of CA11389_Emily-O-90-XP-G



Relative intensity of CA11388_Emily-M-XP-G



Relative intensity of CA11387_Emily-SS-XP-G



D

C

B

A

Material: PMMA

Part no.s:

C11377_Emily-SS-XP-G

C11378_Emily-M-XP-G

C11379_Emily-O-XP-G

C11380_Emily-O-90-XP-G

C11377_Emily-SS-XP

C11378_Emily-M-XP

C11379_Emily-O-XP

C11380_Emily-O-90-XP

C11377_Emily-SS-OSL

C11378_Emily-M-OSL

C11379_Emily-O-OSL

C11380_Emily-O-90-OSL

C11377_Emily-SS-N119

C11378_Emily-M-N119

C11379_Emily-O-N119

C11380_Emily-O-90-N119

With tape:

CA11387_Emily-SS-XP-G

CA11388_Emily-M-XP-G

CA11389_Emily-O-XP-G

CA11390_Emily-O-90-XP-G

CA11387_Emily-SS-XP

CA11388_Emily-M-XP

CA11389_Emily-O-XP

CA11390_Emily-O-90-XP

CA11387_Emily-SS-OSL

CA11388_Emily-M-OSL

CA11389_Emily-O-OSL

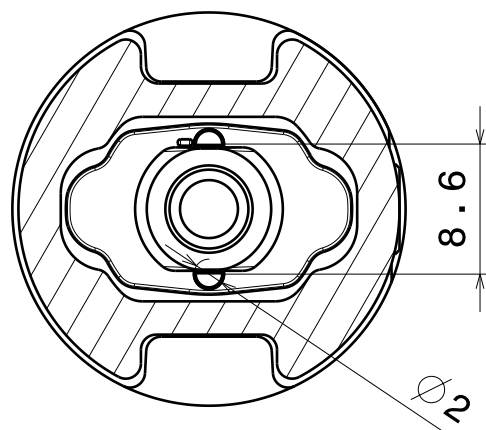
CA11390_Emily-O-90-OSL

CA11387_Emily-SS-N119

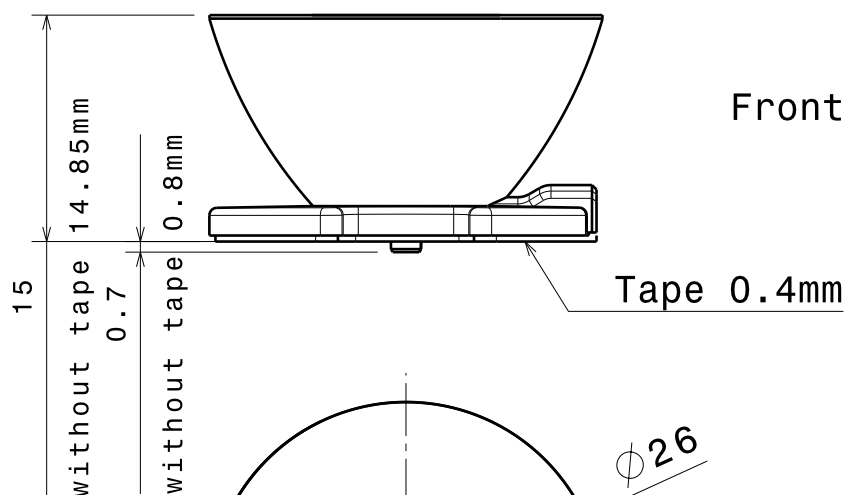
CA11388_Emily-M-N119

CA11389_Emily-O-N119

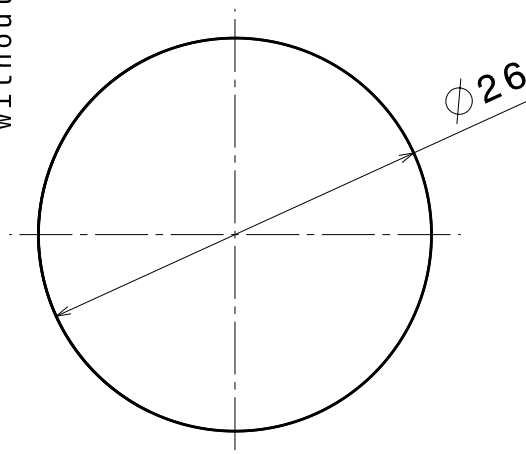
CA11390_Emily-O-90-N119



Bottom view



Front view



Top view

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Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Emily-Series Lens

DRAWN BY

pv

DATE

09.03.2010

CHECKED BY

tk

DATE

18.02.2010

DESIGNED BY

hh

DATE

18.02.2010

SIZE

A4

DRAWING NUMBER

REV

1

SCALE

2:1

WEIGHT (g)

SHEET

1/1

D

A