PRODUCT DATASHEET
LOST series

Ordering number	**FA11113**		
Description	**FA11113_LOST-W**		
Family	Leila	FWHM	degrees
Type	Assembly	Efficiency	-
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number	**FA11463**		
Description	**FA11463_LOST-M2**		
Family	Leila	FWHM	degrees
Type	Assembly	Efficiency	-
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number	**FA11110**		
Description	**FA11110_LOST-D**		
Family	Leila	FWHM	25 degrees
Type	Assembly	Efficiency	89 %
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number	**FA11112**		
Description	**FA11112_LOST-M**		
Family	Leila	FWHM	30 degrees
Type	Assembly	Efficiency	88 %
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

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PRODUCT DATASHEET
LOST series

Ordering number	**FA11114**		
Description	**FA11114_LOST-O-90**		
Family	Leila	FWHM	36+24 degrees
Type	Assembly	Efficiency	85 %
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number	**FA11115**		
Description	**FA11115_LOST-REC**		
Family	Leila	FWHM	36+29 degrees
Type	Assembly	Efficiency	81 %
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number	**FA11893**		
Description	**FA11893-LOST-WW**		
Family	Leila	FWHM	degrees
Type	Assembly	Efficiency	-
LED	Ostar Lighting+	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	13.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	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.

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GENERAL INFORMATION

- Product series especially designed & optimized for Ostar Lighting+ 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%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- 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 boar 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.

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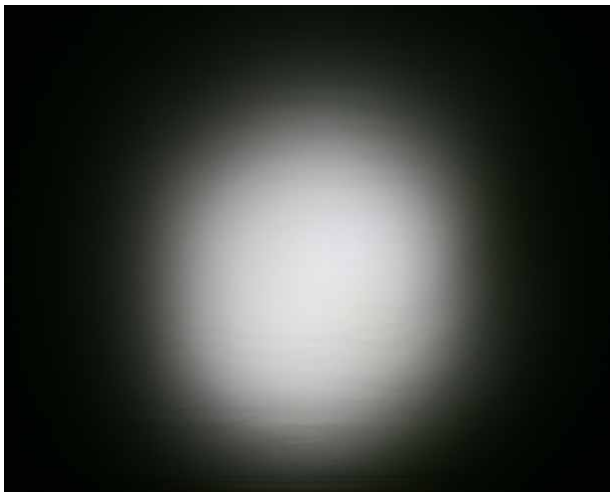
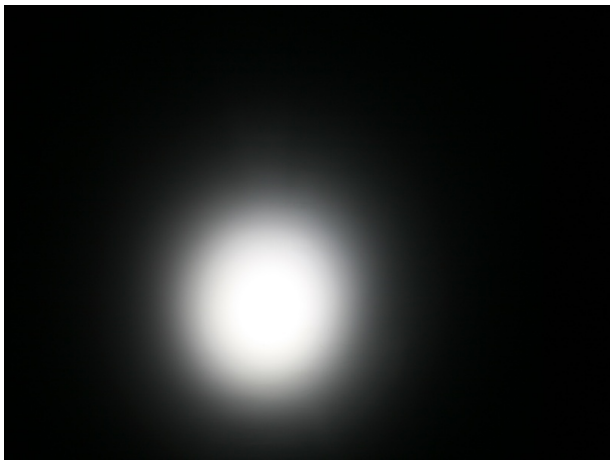
PRODUCT DATASHEET
LOST series

CA11483_LXP2-M & XP-E-HEW

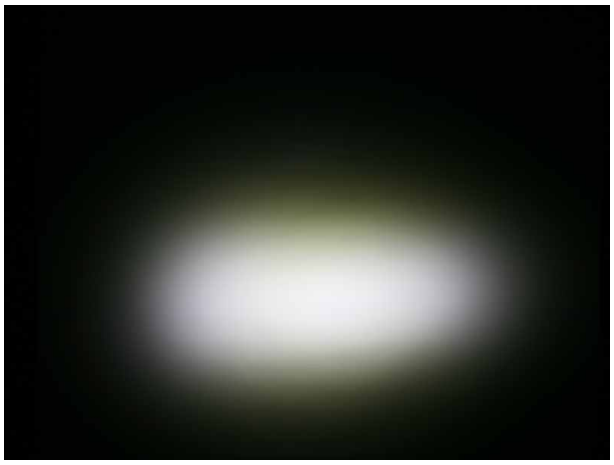


CA11482_LXP2-D



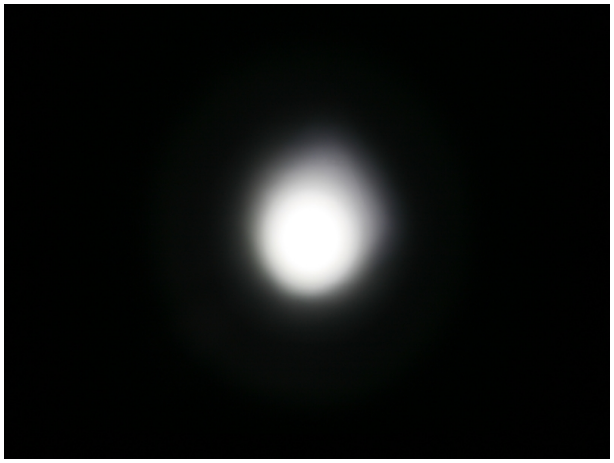
CA11481_LXP2-RS

FA11116_LXP-O-90



FA10832_LXP-W & XPE_HEW

FA10661_LXP-RS



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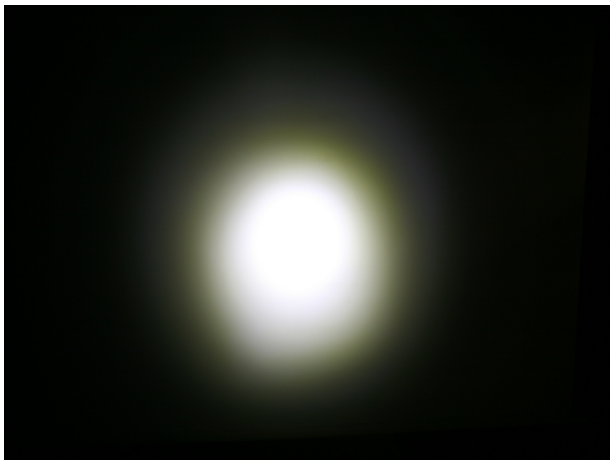
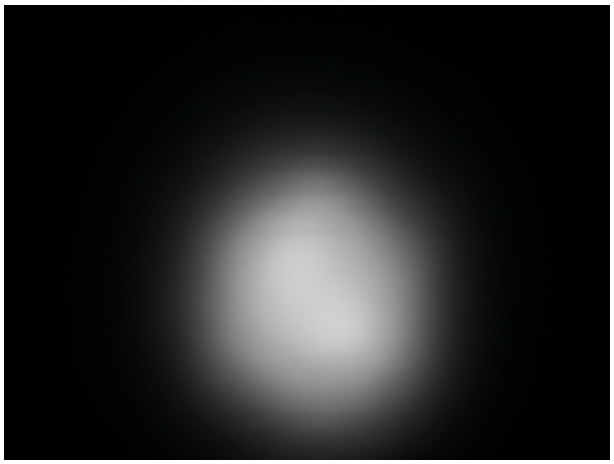
PRODUCT DATASHEET
LOST series

FA10661_LXP-RS & XP-E-HEW

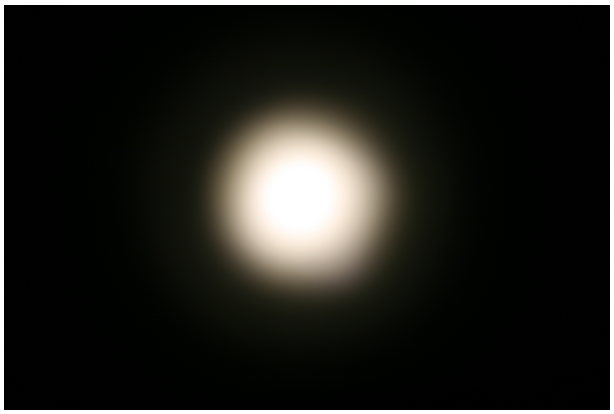


CA11639_LR2-M



CA11638_LR2-D

CA11637_LR2-RS



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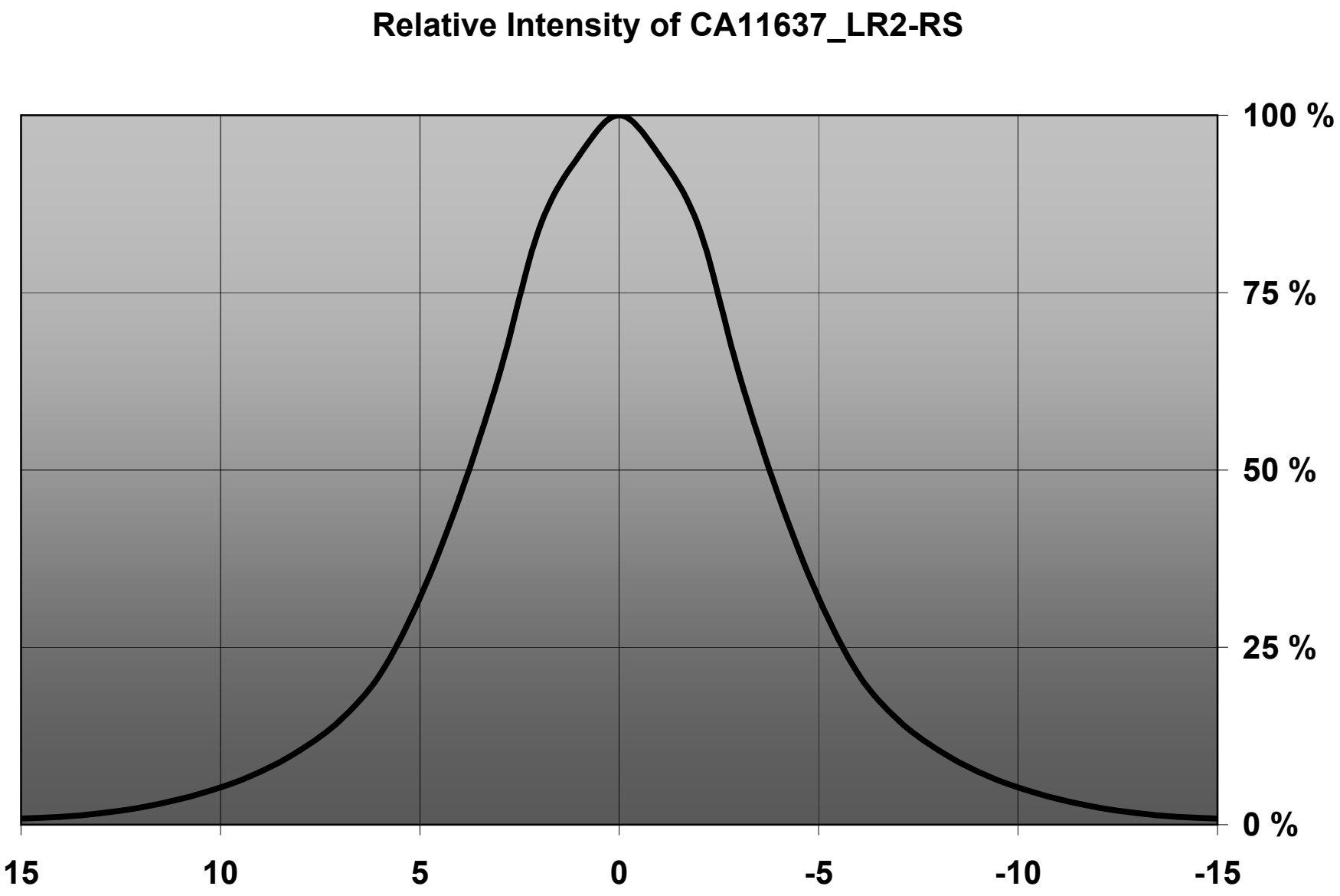
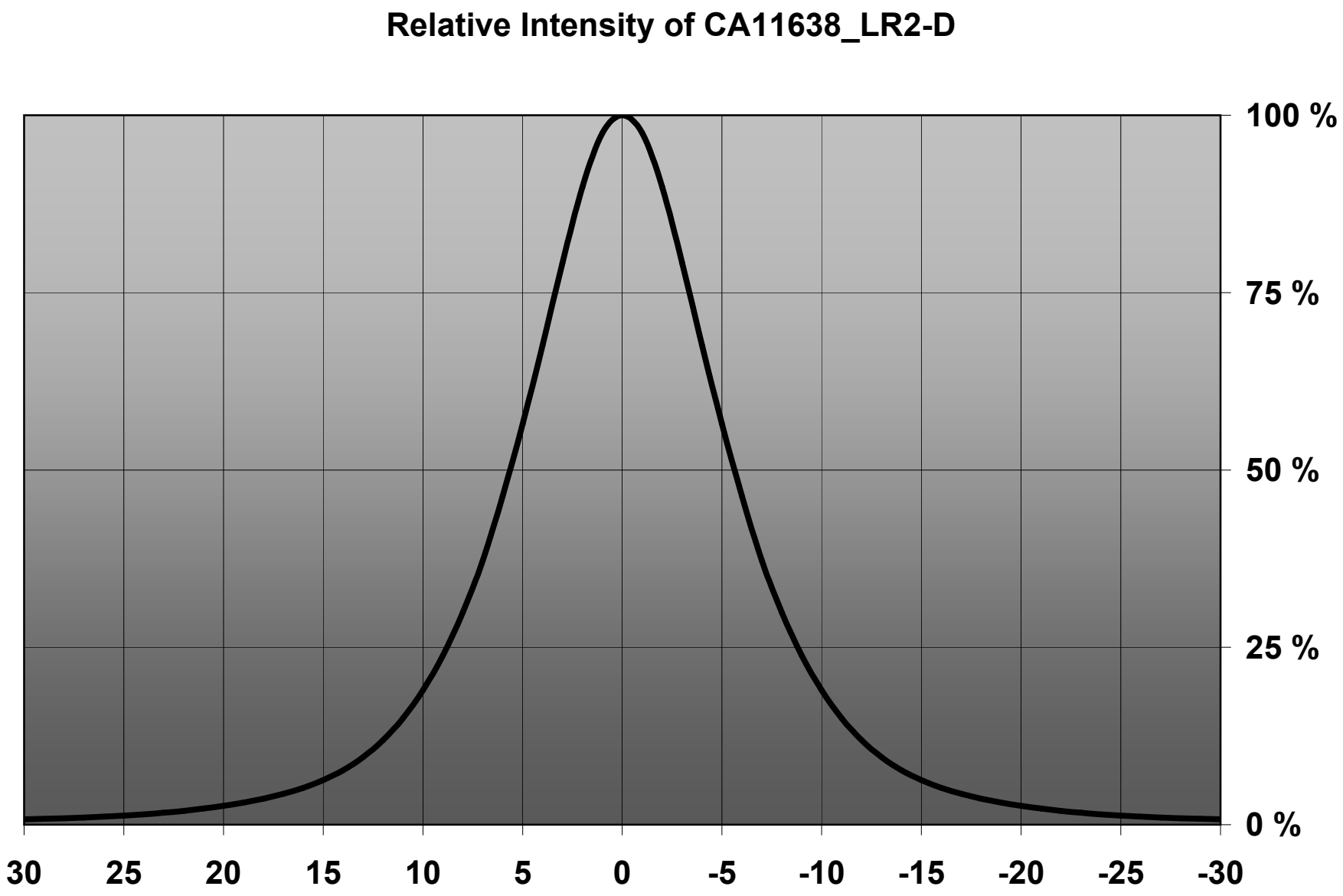

Relative Intensity of CA11637_LR2-RS
100 %
75 %
50 %
25 %
0 %
15
10
5
0
-5
-10
-15


Relative Intensity of CA11638_LR2-D
100 %
75 %
50 %
25 %
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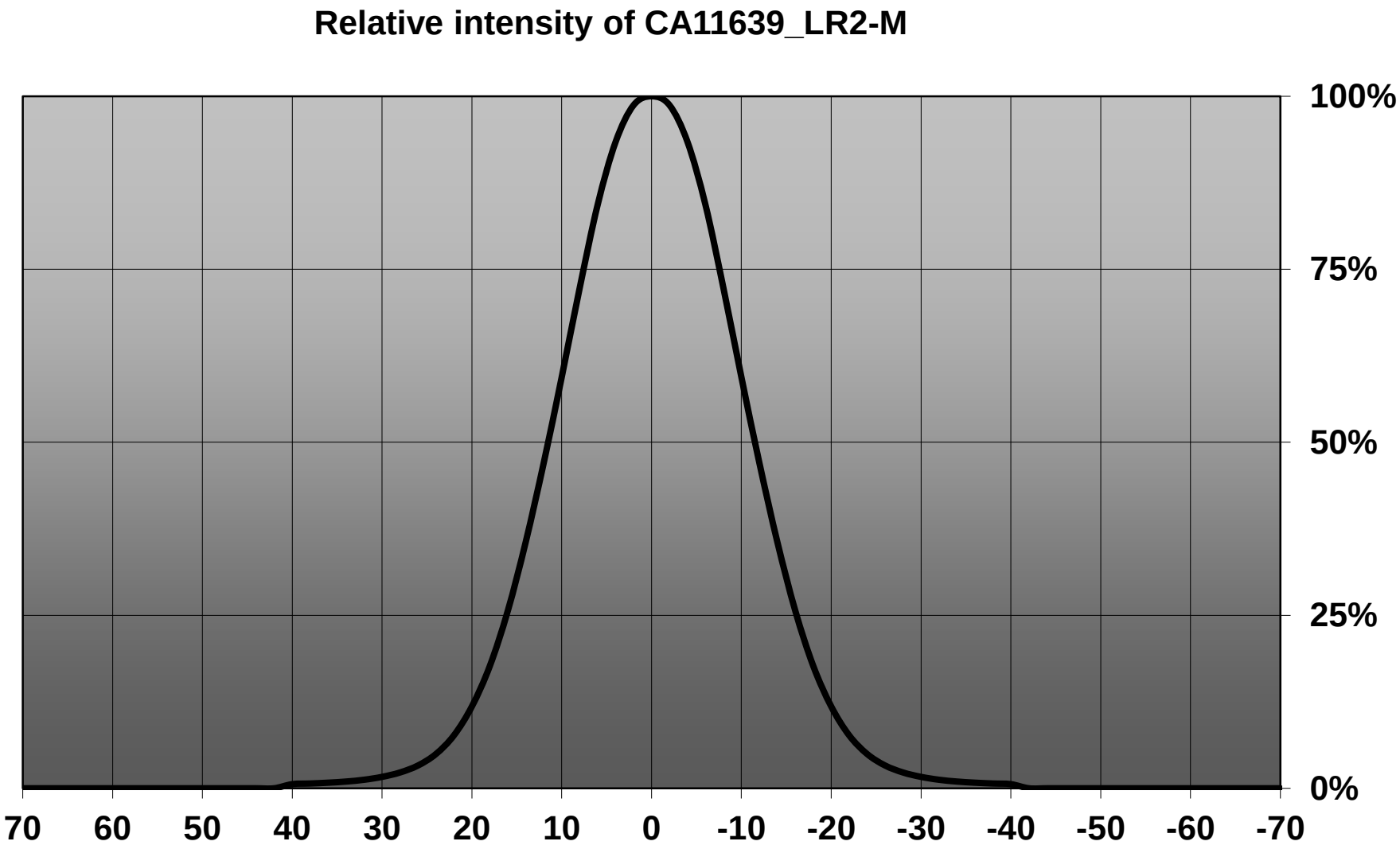
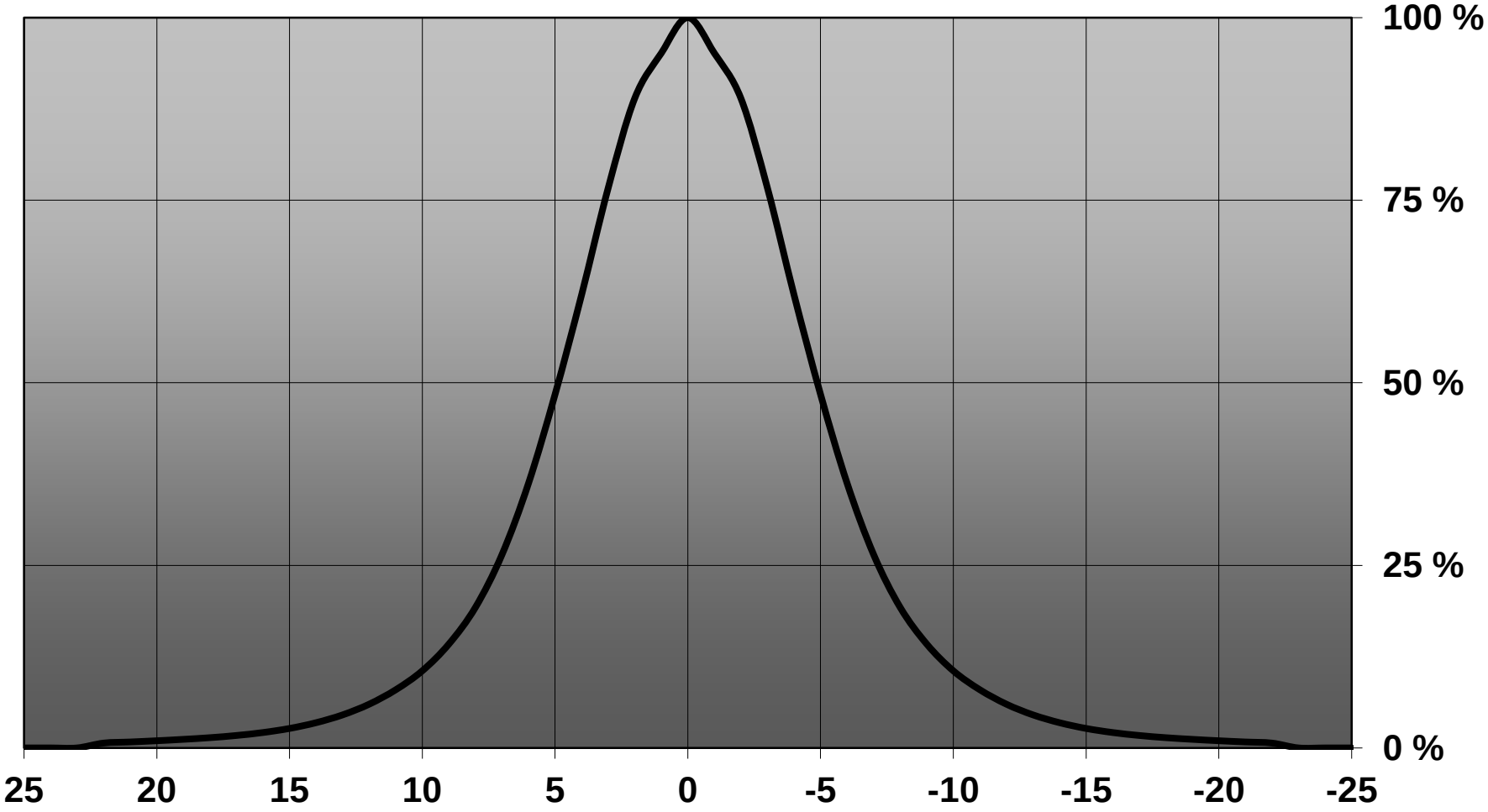
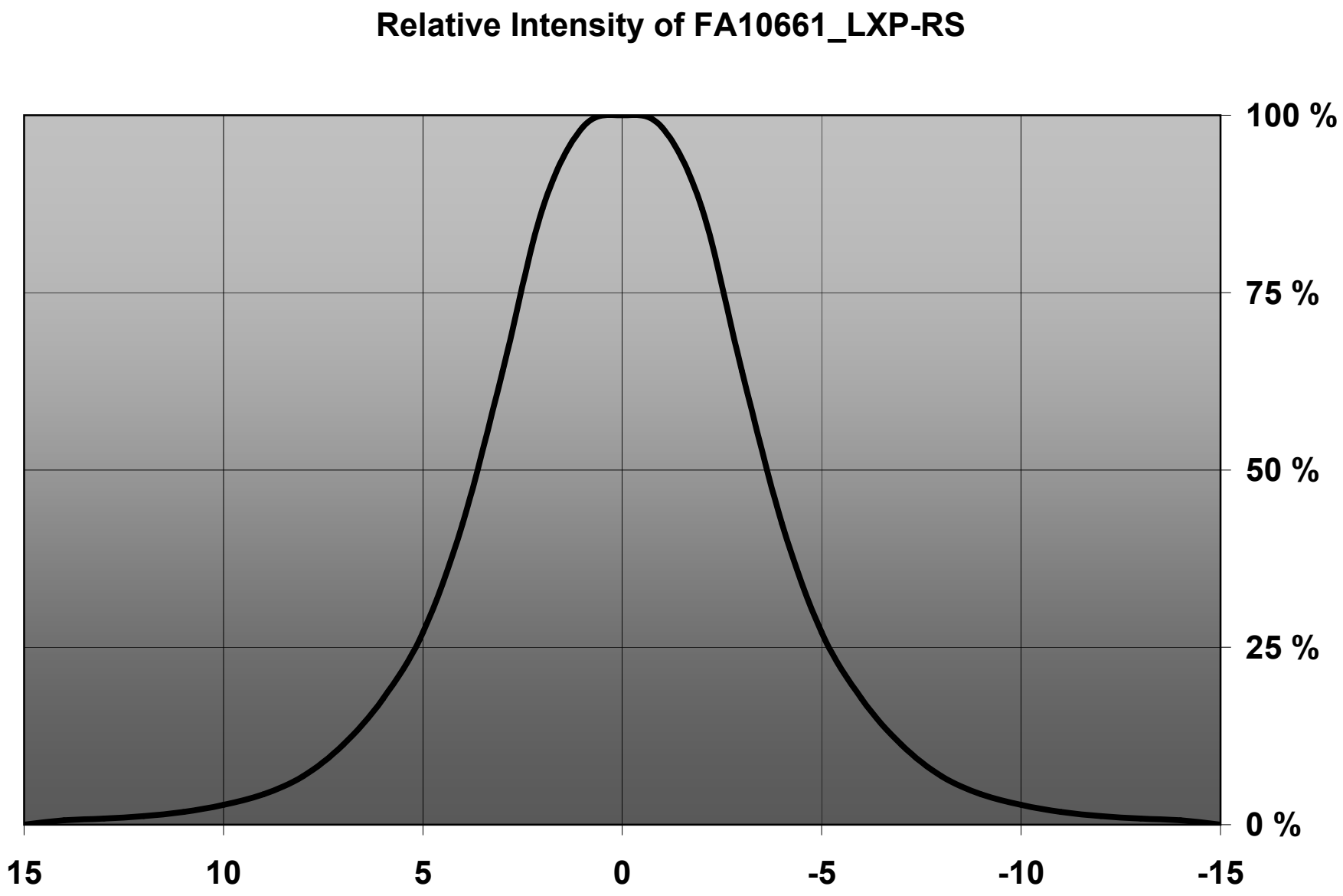
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30


Relative intensity of CA11639_LR2-M
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

Relative Intensity of FA10661_LXP-RS-HEW




Relative Intensity of FA10661_LXP-RS
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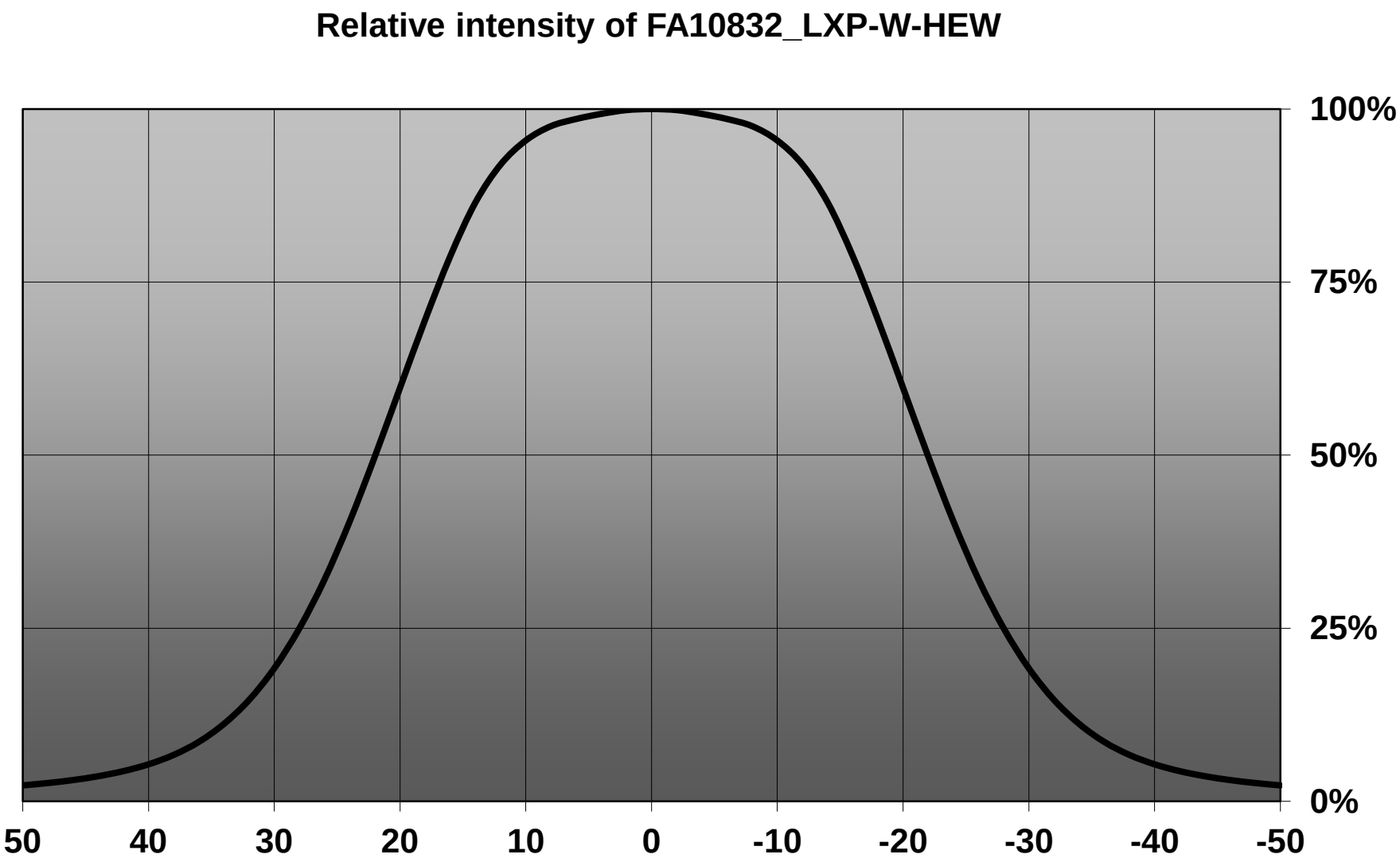
75 %
50 %
25 %
0 %
15
10
5
0
-5
-10
-15


Relative intensity of FA10832_LXP-W-HEW
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25%
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50
40
30
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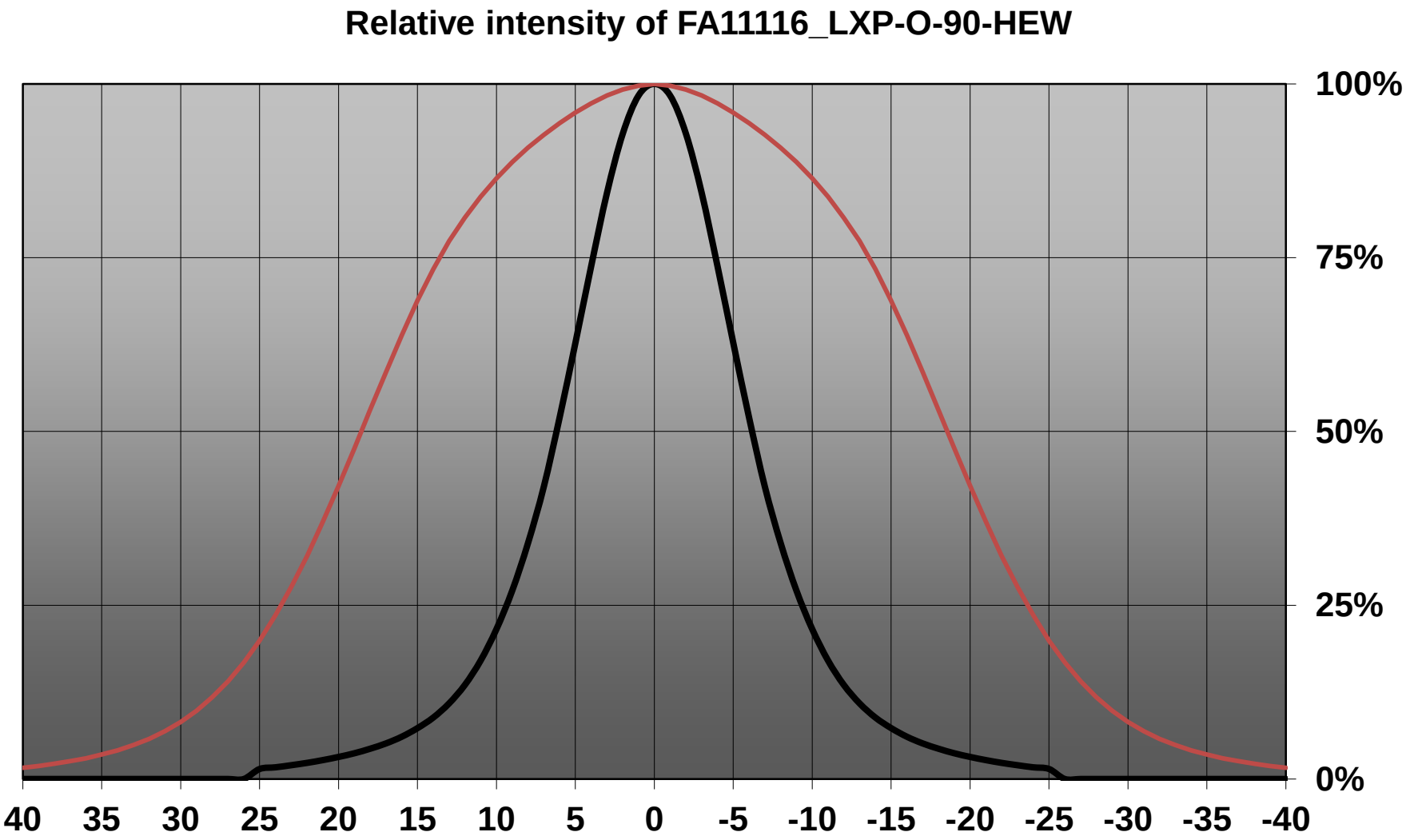
-30
-40
-50


Relative intensity of FA11116_LXP-O-90-HEW
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-15
-20
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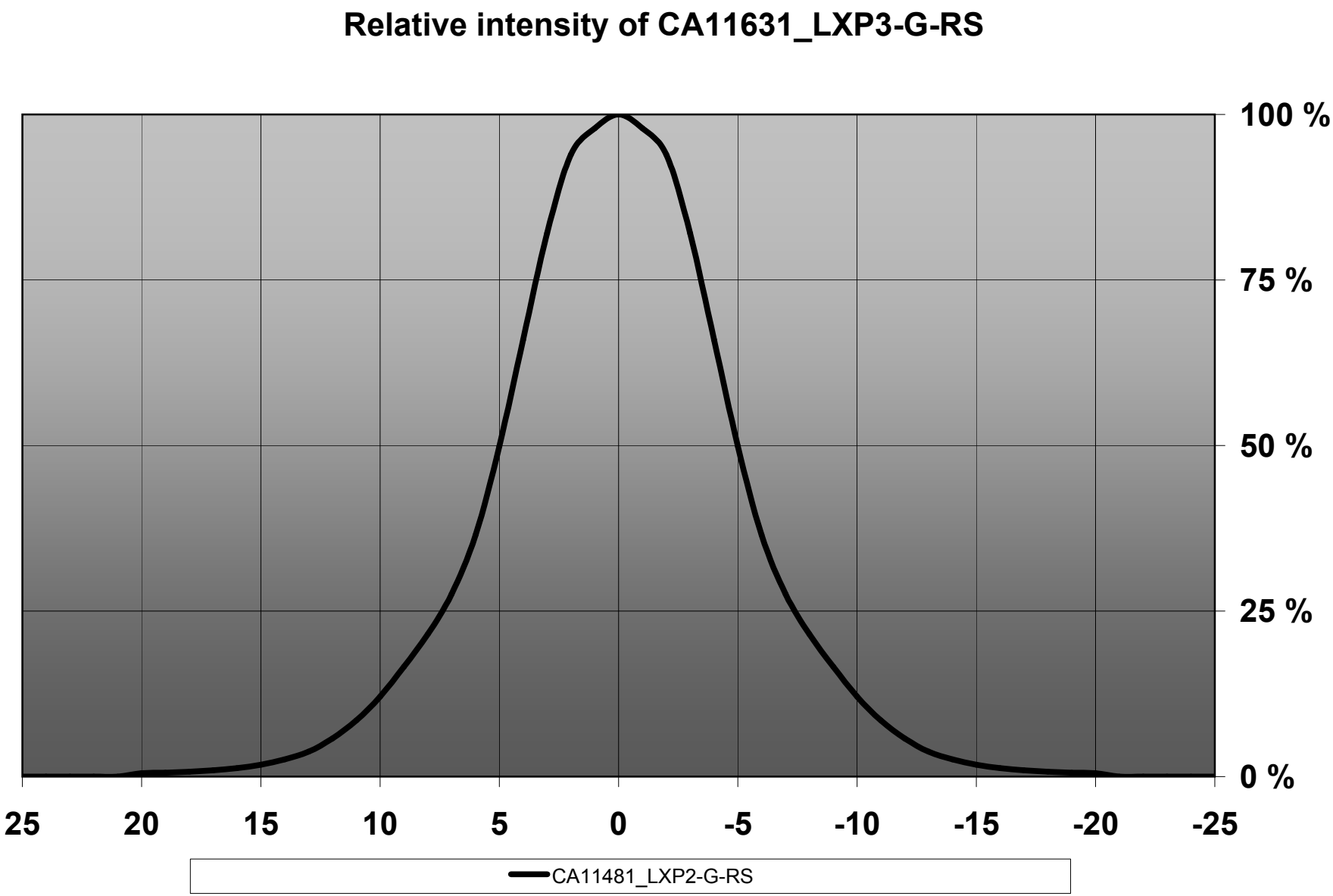
-35
-40


Relative intensity of CA11631_LXP3-G-RS
100 %
75 %
50 %
25 %
0 %
25
20
15
10
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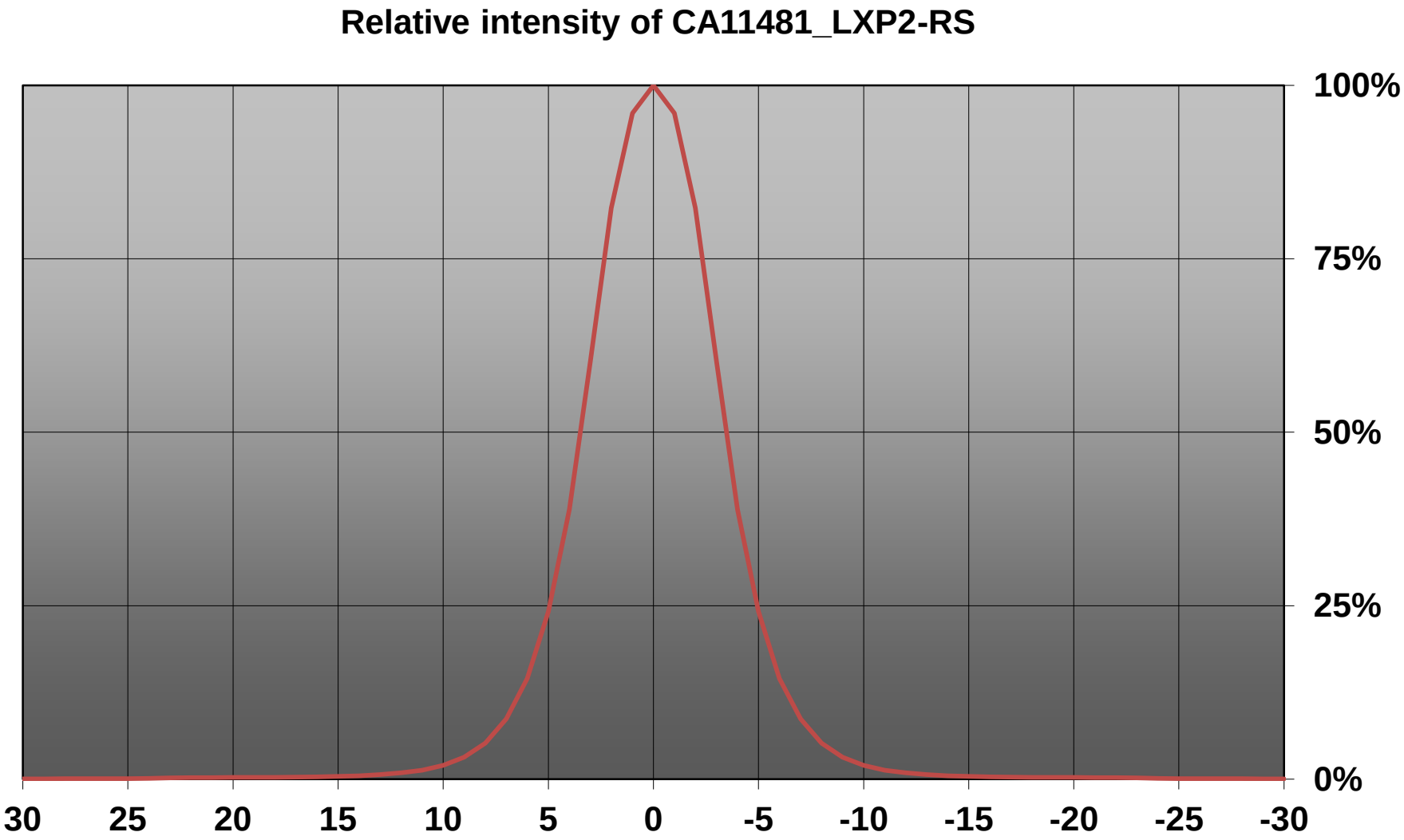
-10
-15
-20
-25
CA11481_LXP2-G-RS


Relative intensity of CA11481_LXP2-RS
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0%
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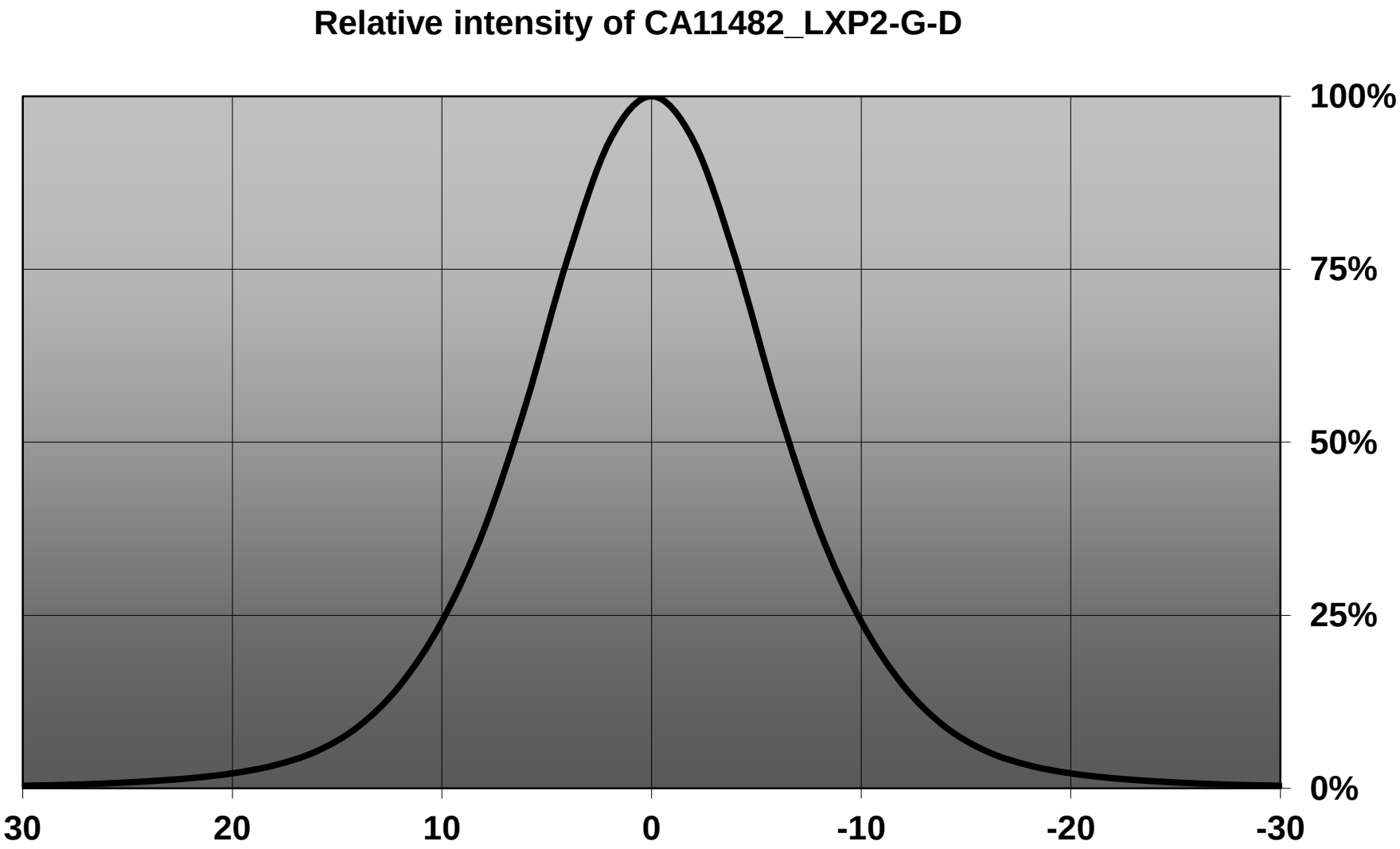
-15
-20
-25
-30


Relative intensity of CA11482_LXP2-G-D
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20
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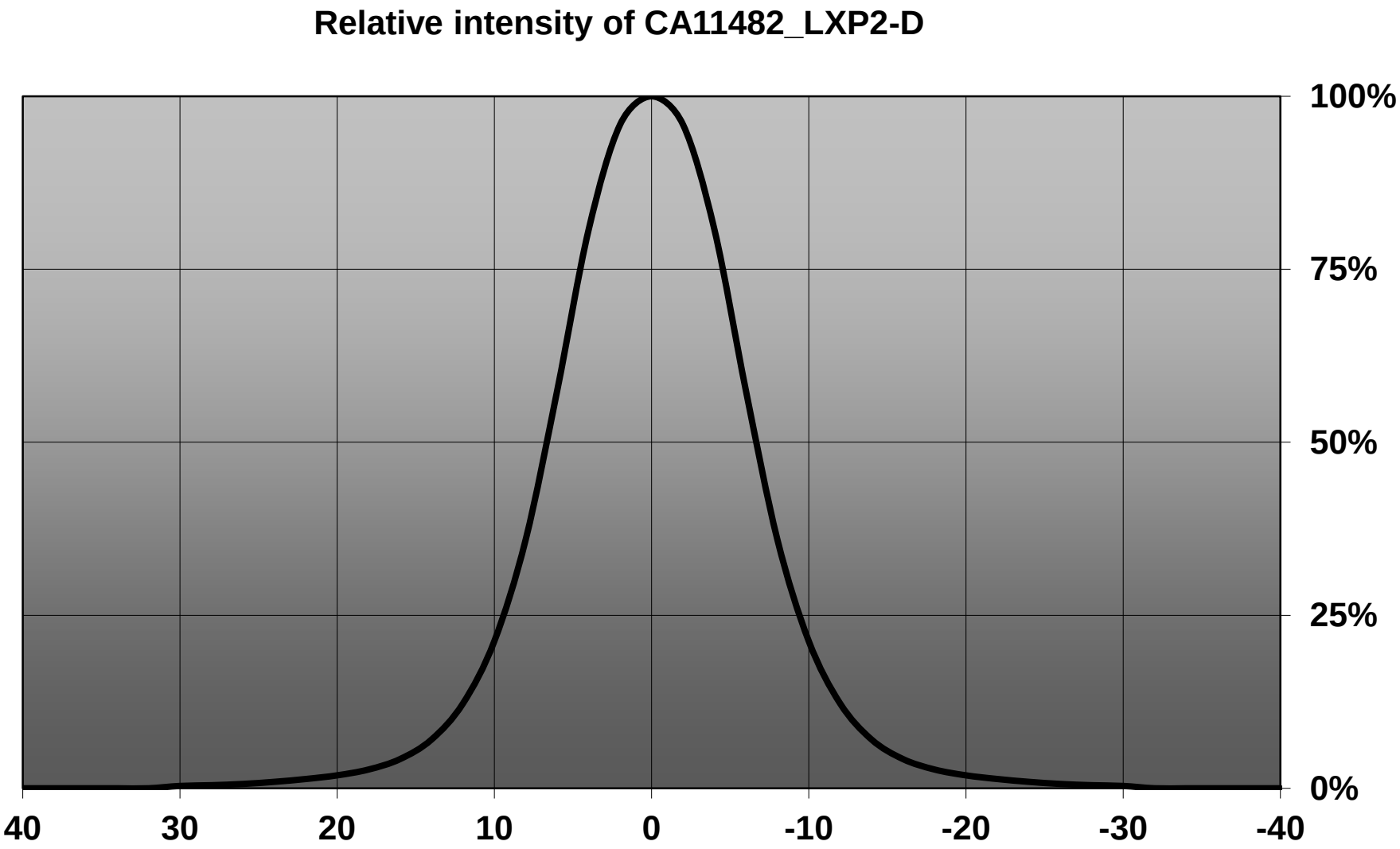
-20
-30


Relative intensity of CA11482_LXP2-D
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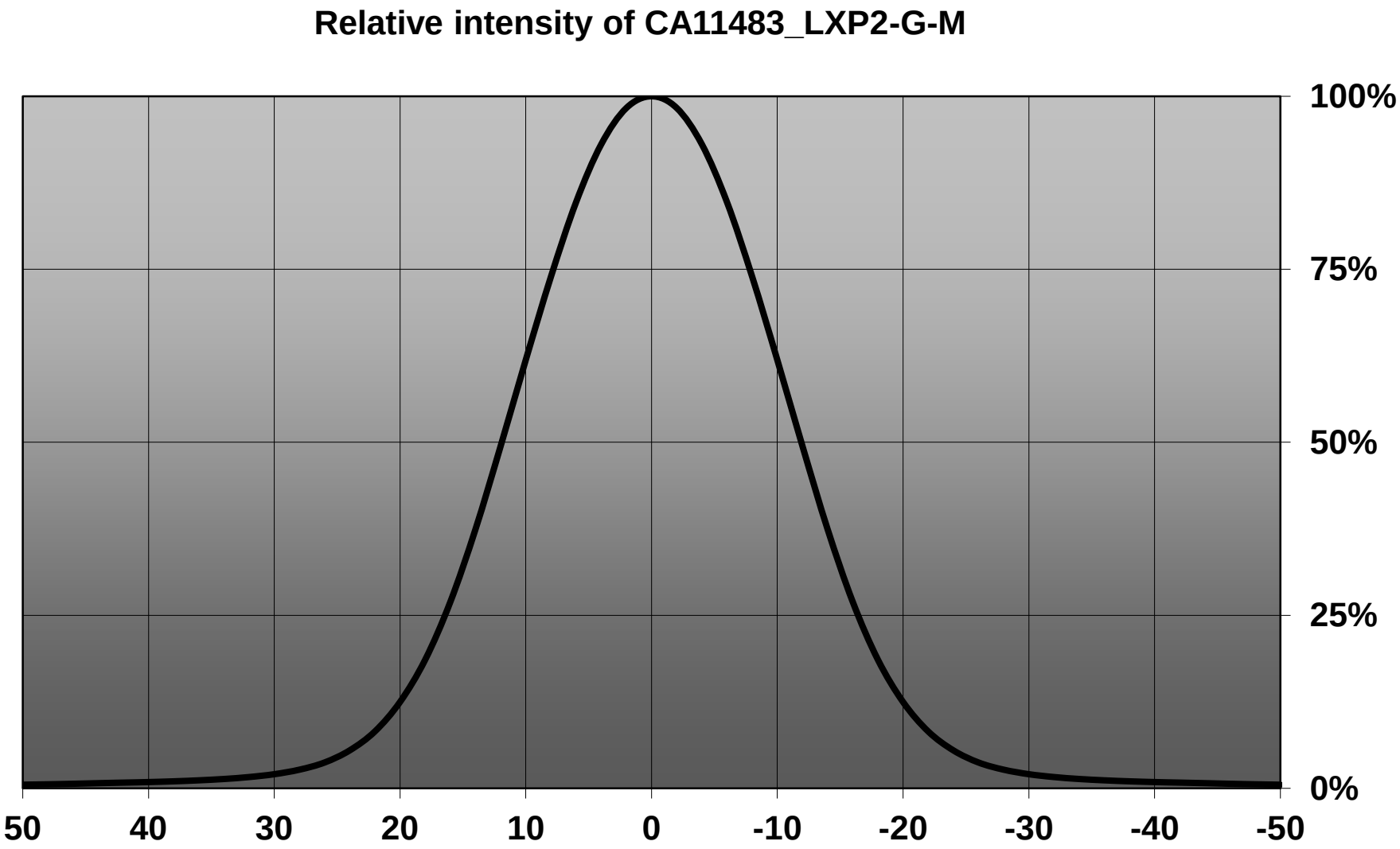
Relative intensity of CA11483_LXP2-G-M
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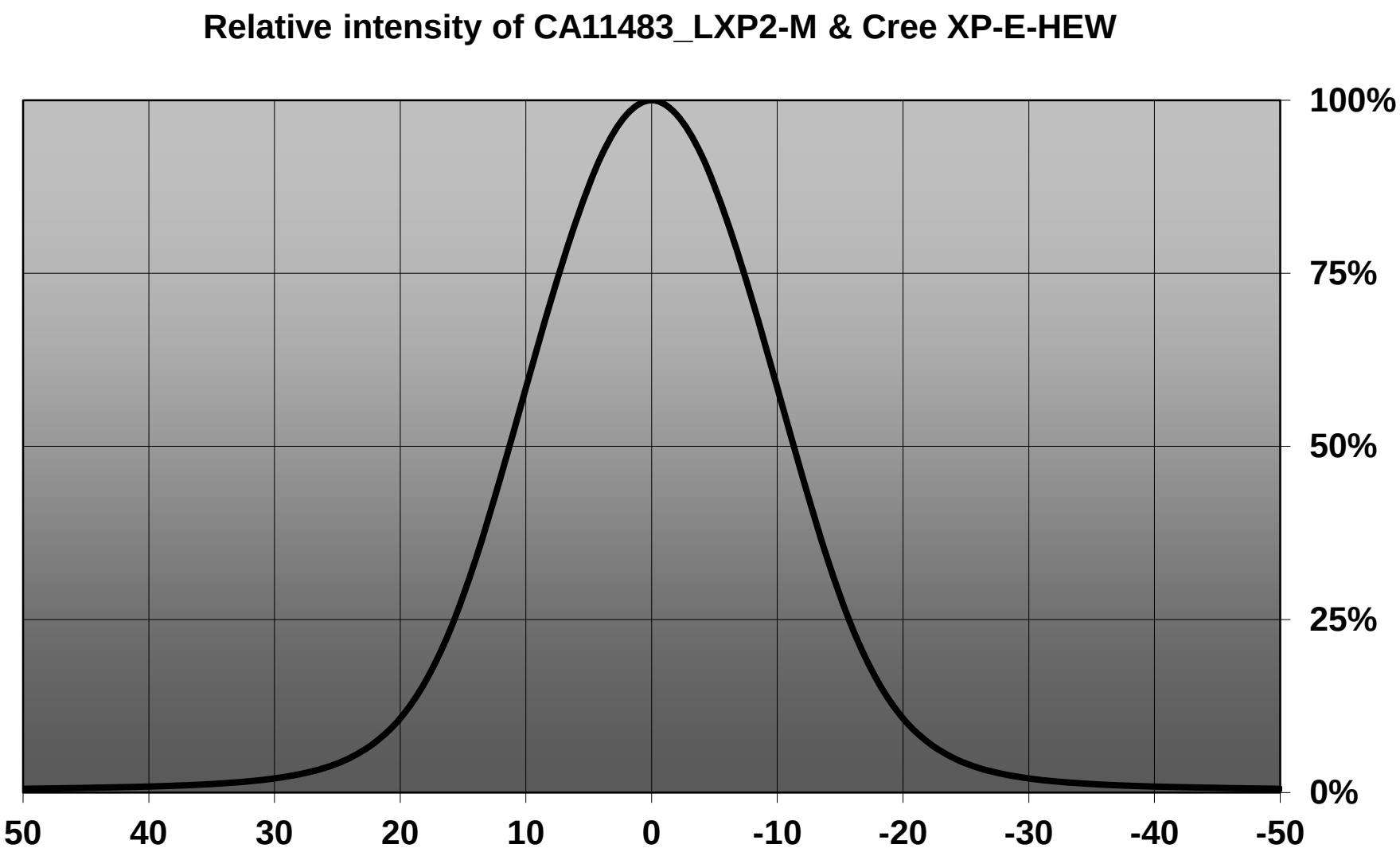
50
40
30
20
10
0
-10
-20
-30
-40
-50


Relative intensity of CA11483_LXP2-M & Cree XP-E-HEW
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25%
0%
50
40
30
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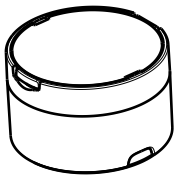
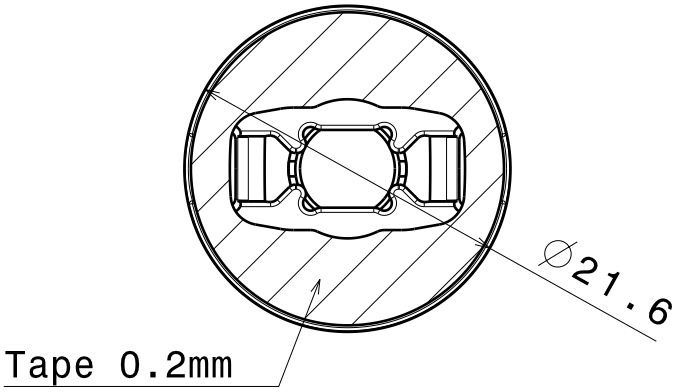
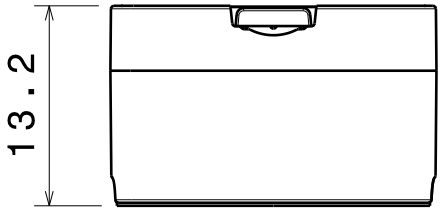
10
0
-10
-20
-30
-40
-50



Isometric view
Scale: 1:1



Bottom view



Front view

MATERIALS
Lens: PMMA
Holder: PC
Tape: PU Foam

Part no.s:
FA11109_LOST-RS
FA11110_LOST-D
FA11112_LOST-M
FA11114_LOST-O-90
FA11115_LOST-REC

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Finland

DRAWN BY pv	DATE 09.03.2010	DRAWING TITLE Datasheet Lost-Series assy			
CHECKED BY hh	DATE 17.09.2009	SIZE A4	DRAWING NUMBER		REV 1
DESIGNED BY pv	DATE 17.09.2009	SCALE 2:1	WEIGHT(g) -		SHEET 1/1

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения **«JONHON»**, а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов **«FORSTAR»**.

AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

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Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А