

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: A2016275F001

Luminaire Tested: **LT56069FS231EWHR**

Test Date: 2020-09-10



**Test Information**

Test Method: LM-41-14  
Report Number: A2016275F001  
Test Lab: EVERFINE  
Test Date: 2020-09-10  
Issue Date: 2020-09-10 13:56:42  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: LT56069FS231EWHR  
Description: LT56069FS231EWHR  
Light Source: -  
Ballast/Driver: -

**Summary**

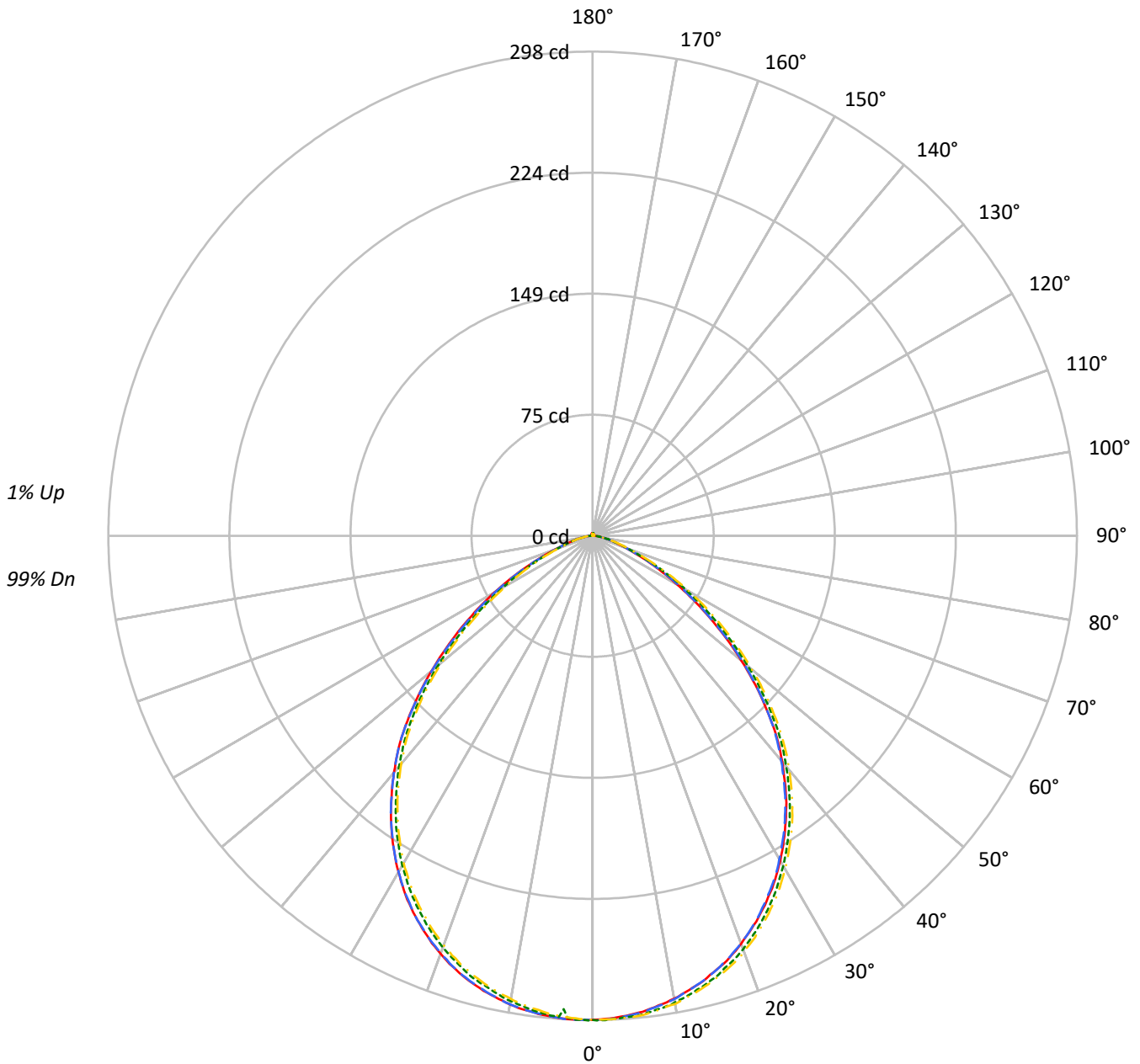
Lumens per Lamp: N/A  
Luminaire Lumens: 622.7 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.25  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.75072  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90					88															
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78					76															
3	94	85	78	73	92	84	77	72	81	75	71	78	73	69	76	72	68					66															
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	68	64	60					58															
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53					51															
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	48					46															
7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43					41															
8	65	53	45	40	64	52	45	39	51	44	39	50	43	39	48	43	39					37															
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35					33															
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32					31															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16338	16338	16338	16338
5°	16246	16334	16342	16310
10°	16102	16235	16310	16190
15°	15876	16056	16180	16014
20°	15589	15798	15971	15728
25°	15172	15391	15617	15341
30°	14615	14845	15128	14821
35°	13879	14147	14467	14137
40°	12984	13253	13609	13258
45°	11762	12124	12504	12104
50°	10186	10628	11027	10572
55°	8427	8971	9408	8824
60°	6633	7223	7642	7004
65°	4894	5372	5693	5226
70°	3464	3708	3923	3681
75°	2648	2737	2827	2783
80°	1912	2094	2159	2109
85°	1728	1883	1894	2090



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.1	4.5
10°-20°	79.6	12.8
20°-30°	116.9	18.8
30°-40°	131.9	21.2
40°-50°	120.1	19.3
50°-60°	83.5	13.4
60°-70°	41.4	6.6
70°-80°	14.3	2.3
80°-90°	3.4	0.5
90°-100°	0.2	0.0
100°-110°	0.3	0.0
110°-120°	0.4	0.1
120°-130°	0.5	0.1
130°-140°	0.6	0.1
140°-150°	0.6	0.1
150°-160°	0.5	0.1
160°-170°	0.4	0.1
170°-180°	0.1	0.0
0°-30°	224.6	36.1
0°-40°	356.5	57.3
0°-60°	560.1	90.0
0°-90°	619.2	99.4
90°-120°	0.9	0.1
90°-150°	2.5	0.4
90°-180°	3.0	0.5
0°-180°	622.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	298	298	298	298	298	
5°	295	297	297	296	295	28
15°	280	283	285	282	280	79
25°	251	254	258	254	251	115
35°	207	211	216	211	207	129
45°	152	156	161	156	152	117
55°	88	94	98	92	88	79
65°	38	41	44	40	38	38
75°	13	13	13	13	13	14
85°	3	3	3	3	3	3
90°	0	0	0	1	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	1	1	1	0	1	0
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	2	1	2	1	2	0
175°	1	2	2	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
0.5°	297.9	297.9	298.1	298.2	298.2	298.1	297.9	298.6	298.0	297.9	298.0
1°	297.7	297.7	298.0	298.1	298.2	298.0	297.8	298.6	298.1	297.9	298.0
1.5°	297.5	297.6	297.9	297.9	298.2	297.8	297.8	298.6	298.1	298.0	298.1
2°	297.4	297.3	297.7	297.6	297.9	297.9	297.8	298.4	297.9	298.1	298.0
2.5°	297.0	297.0	297.5	297.4	297.7	297.7	297.7	298.1	297.9	298.0	298.0
3°	296.8	296.6	297.1	297.1	297.7	297.8	297.9	297.8	297.9	298.1	298.0
3.5°	296.5	296.4	296.6	296.7	297.3	297.2	297.5	297.7	297.7	298.1	297.9
4°	296.2	295.8	296.5	296.3	297.0	297.3	297.2	297.6	297.6	297.6	297.4
4.5°	295.8	295.6	296.0	296.0	296.8	296.9	297.3	297.5	297.3	297.2	297.2
5°	295.2	295.2	295.6	295.6	296.8	296.8	297.1	297.3	297.0	297.1	297.0
5.5°	294.8	294.8	295.2	295.1	296.7	296.5	296.8	297.1	296.6	296.9	296.8
6°	294.6	294.0	294.7	294.7	296.1	296.2	296.6	296.9	296.5	296.7	296.3
6.5°	293.9	293.6	294.2	294.1	295.6	295.6	296.1	296.7	296.3	296.4	295.9
7°	293.3	292.9	293.4	293.6	295.2	295.2	295.6	296.2	295.6	296.0	295.7
7.5°	292.7	292.5	292.9	293.0	294.5	294.7	295.2	295.5	295.2	295.5	295.3
8°	291.9	292.0	292.3	292.5	294.1	294.3	294.5	295.0	294.8	295.0	294.9
8.5°	291.4	291.5	291.7	291.9	293.7	293.6	293.9	294.6	294.5	294.4	294.4
9°	290.8	290.6	291.0	291.2	292.9	293.3	293.3	294.0	294.1	293.9	293.7
9.5°	289.8	290.0	290.3	290.3	292.5	292.5	292.9	293.5	293.3	293.3	293.3
10°	289.3	289.1	289.7	289.7	291.7	291.9	292.6	293.1	293.0	292.9	292.8
10.5°	288.6	288.4	288.8	288.9	290.8	291.4	291.8	292.6	292.3	292.1	292.2
11°	287.6	287.5	287.7	288.0	290.2	290.4	291.1	291.6	291.4	291.5	291.6
11.5°	286.6	286.6	286.7	287.3	289.4	289.7	290.1	290.9	290.9	290.9	290.8
12°	285.8	285.6	285.7	286.2	288.6	289.0	289.4	290.5	290.1	290.2	290.0
12.5°	284.9	284.9	285.1	285.4	287.8	288.2	288.8	289.3	289.4	289.5	289.2
13°	284.0	284.0	283.9	284.4	286.7	287.3	287.6	288.4	288.6	288.7	288.5
13.5°	283.2	283.2	283.2	283.3	286.0	286.6	286.9	287.6	288.1	287.8	287.5
14°	282.3	282.0	282.2	282.6	285.0	285.6	285.8	287.0	286.9	287.1	286.7
14.5°	281.0	281.1	281.1	281.4	284.0	284.5	285.1	286.3	286.1	286.0	285.8
15°	279.7	279.9	280.0	280.6	282.9	283.6	283.9	285.2	285.1	285.1	285.0
15.5°	278.8	278.8	278.8	279.2	282.2	282.5	282.9	284.1	284.3	284.2	284.0
16°	277.5	277.4	277.7	277.9	281.0	281.6	282.1	283.2	283.3	283.1	282.9
16.5°	276.6	276.1	276.5	276.8	279.6	280.4	280.9	282.3	282.3	282.2	282.2
17°	275.5	275.0	275.0	275.4	278.2	279.4	279.9	281.1	281.2	281.0	281.0
17.5°	274.3	273.6	273.8	274.2	277.2	277.9	278.8	279.9	280.0	280.0	279.8
18°	272.9	272.4	272.7	272.8	276.1	276.7	277.7	278.5	278.9	278.9	278.7
18.5°	271.4	270.9	271.2	271.4	274.8	275.5	276.5	277.3	277.8	277.6	277.4
19°	270.3	269.8	269.8	270.0	273.6	274.6	274.9	276.2	276.5	276.5	276.0
19.5°	268.7	268.2	268.5	268.6	272.2	273.2	274.1	274.7	275.1	275.0	274.7
20°	267.2	266.8	266.9	267.1	270.8	271.5	272.5	273.5	273.8	273.9	273.4
20.5°	265.5	265.4	265.4	265.7	269.2	270.0	270.9	271.9	272.3	272.6	272.0
21°	263.9	264.0	263.9	264.2	267.7	268.5	269.5	270.7	270.8	271.0	270.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	259.2	258.9	258.9	259.2	263.1	263.9	264.7	266.1	266.4	266.5	266.1
23°	257.9	257.3	257.3	257.4	261.4	262.2	263.2	264.7	264.9	264.9	264.6
23.5°	256.1	255.5	255.6	255.6	259.7	260.8	261.6	262.8	263.3	263.3	262.8
24°	254.2	253.7	253.7	254.0	257.9	258.9	259.8	261.2	261.6	261.5	261.3
24.5°	252.4	252.1	251.7	252.2	256.1	257.3	258.0	259.6	259.9	260.1	260.0
25°	250.8	250.4	250.0	250.2	254.5	255.5	256.4	257.8	258.2	258.2	258.1
25.5°	248.8	248.5	248.1	248.7	252.6	253.7	254.5	256.1	256.6	256.6	256.3
26°	246.8	246.5	246.2	246.8	250.7	251.7	252.8	254.1	254.8	254.9	254.5
26.5°	245.1	244.5	244.4	244.7	249.0	250.2	251.1	252.3	252.9	253.0	252.6
27°	243.4	242.6	242.5	242.8	247.0	248.3	249.2	250.6	251.2	251.1	250.8
27.5°	241.3	240.6	240.5	240.8	245.0	246.4	247.3	248.7	249.2	249.3	249.1
28°	239.4	238.6	238.5	238.7	242.9	244.2	245.3	246.7	247.2	247.3	247.1
28.5°	237.2	236.3	236.4	236.5	240.8	242.3	243.0	244.7	245.2	245.4	245.1
29°	235.2	234.3	234.3	234.3	238.7	240.1	241.1	242.8	243.2	243.3	243.0
29.5°	233.0	232.2	232.2	232.3	236.7	237.9	239.1	240.6	241.0	241.3	240.9
30°	230.9	230.1	229.8	230.1	234.5	235.9	237.0	238.8	239.0	238.9	238.9
30.5°	228.6	227.8	227.7	227.9	232.3	233.6	234.8	236.3	236.8	237.2	236.7
31°	226.4	225.6	225.4	225.6	230.2	231.4	232.6	234.2	234.8	234.7	234.6
31.5°	224.2	223.3	223.1	223.4	228.0	229.6	230.4	231.9	232.4	232.6	232.3
32°	221.8	221.0	220.8	221.1	225.6	226.9	228.0	229.8	230.2	230.2	230.0
32.5°	219.6	218.9	218.5	218.8	223.3	224.8	225.9	227.5	227.9	227.9	227.7
33°	217.3	216.7	216.3	216.6	220.9	222.3	223.7	225.2	225.7	225.7	225.6
33.5°	214.8	214.4	213.9	214.0	218.4	220.0	221.2	222.8	223.3	223.2	223.1
34°	212.3	211.8	211.7	211.7	216.4	217.7	218.9	220.4	221.0	221.0	220.8
34.5°	210.0	209.4	209.0	209.2	213.9	215.2	216.7	218.1	218.4	218.7	218.4
35°	207.4	206.9	206.6	207.0	211.4	212.9	214.1	215.6	216.2	216.4	216.1
35.5°	205.3	204.4	204.0	204.2	209.0	210.4	211.6	213.3	213.6	214.2	213.7
36°	202.9	201.6	201.5	201.9	206.5	208.0	209.0	210.6	211.1	211.6	211.4
36.5°	200.0	199.3	199.1	199.3	203.9	205.2	206.8	207.8	208.5	209.0	208.7
37°	197.3	196.5	196.4	196.7	201.3	202.7	204.0	205.6	206.0	206.2	206.1
37.5°	194.8	194.0	193.9	194.2	198.8	200.2	201.5	203.1	203.4	203.7	203.3
38°	192.3	191.4	191.0	191.3	196.1	197.5	198.9	200.6	200.8	201.0	200.7
38.5°	189.3	188.8	188.4	188.6	193.4	194.9	196.1	197.9	198.2	198.4	198.1
39°	186.8	186.0	185.7	186.1	190.8	192.1	193.5	195.3	195.5	195.7	195.5
39.5°	184.2	183.2	183.3	183.5	188.0	189.4	191.0	192.3	192.9	192.9	192.8
40°	181.4	180.6	180.6	180.7	185.2	187.0	188.1	189.6	190.2	190.4	190.2
40.5°	178.7	177.9	177.8	177.9	182.7	184.3	185.4	186.8	187.4	187.4	187.4
41°	176.1	175.2	175.0	175.3	179.9	181.4	182.8	184.0	184.8	185.1	184.7
41.5°	173.3	172.6	172.3	172.5	177.2	178.8	180.3	181.3	181.9	182.3	182.0
42°	170.3	169.9	169.6	169.7	174.3	176.0	177.3	178.7	179.2	179.4	179.2
42.5°	167.6	166.9	166.8	167.0	171.6	173.3	174.5	175.8	176.5	176.3	176.5
43°	164.4	164.1	164.0	164.2	168.7	170.3	171.6	173.1	173.7	173.5	173.6
43.5°	161.3	161.0	161.0	161.1	165.8	167.5	168.5	170.1	170.6	170.6	170.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	151.7	151.9	151.9	152.0	156.4	158.1	159.6	160.5	161.3	161.3	160.9
45.5°	148.5	148.7	148.7	148.9	153.2	155.0	156.2	157.6	158.1	158.0	157.7
46°	145.4	145.6	145.8	146.1	150.2	151.8	153.4	154.4	154.9	154.7	154.5
46.5°	142.3	142.4	142.6	143.0	147.0	148.7	150.2	151.6	151.7	151.6	151.3
47°	139.2	139.2	139.5	139.6	143.6	145.5	147.0	148.3	148.5	148.4	148.1
47.5°	136.0	136.1	136.4	136.5	140.5	142.4	143.7	145.1	145.4	145.3	144.9
48°	132.5	132.9	133.1	133.4	137.4	139.3	140.5	141.9	142.2	141.9	141.7
48.5°	129.2	129.5	129.9	130.2	134.3	136.1	137.8	138.8	139.1	138.6	138.5
49°	126.1	126.3	126.8	127.0	131.0	132.9	134.3	135.5	135.8	135.7	135.3
49.5°	122.8	123.0	123.6	123.7	127.8	129.6	131.1	132.3	132.7	132.5	131.9
50°	119.4	119.8	120.3	120.5	124.6	126.5	127.9	129.2	129.3	129.3	128.9
50.5°	116.3	116.5	117.2	117.3	121.5	123.4	124.8	126.0	126.1	125.9	125.5
51°	113.0	113.4	114.0	114.2	118.3	120.3	121.7	122.9	123.0	122.5	122.2
51.5°	109.9	110.2	110.9	111.1	115.2	117.4	118.8	119.7	120.0	119.6	119.1
52°	106.8	107.1	107.6	107.8	112.0	114.2	115.6	116.6	116.7	116.3	116.0
52.5°	103.6	103.9	104.4	104.7	108.9	111.0	112.5	113.5	113.6	113.0	112.8
53°	100.4	100.8	101.2	101.5	105.8	108.1	109.6	110.4	110.5	110.2	109.1
53.5°	97.2	97.6	98.1	98.4	102.8	104.9	106.3	107.3	107.4	107.1	106.2
54°	94.0	94.4	94.9	95.2	99.7	101.9	103.4	104.2	104.4	104.0	103.3
54.5°	91.1	91.3	91.9	92.1	96.8	98.8	100.3	101.3	101.5	101.0	100.2
55°	88.2	88.2	88.8	89.1	93.9	95.9	97.4	98.3	98.4	97.8	96.9
55.5°	85.2	85.3	85.8	86.5	90.8	92.9	94.4	95.3	95.4	94.7	94.0
56°	82.2	82.4	83.1	83.6	87.8	90.0	91.2	92.2	92.2	91.8	90.9
56.5°	79.2	79.7	80.4	80.8	85.1	87.3	88.5	89.2	89.4	89.1	88.0
57°	76.4	76.7	77.3	77.9	82.6	84.5	85.9	86.6	86.7	86.4	85.5
57.5°	73.3	73.9	74.5	75.0	79.7	81.5	82.9	83.8	83.8	83.3	82.5
58°	70.7	71.2	71.9	72.6	76.7	78.8	80.2	80.8	81.0	80.6	79.8
58.5°	68.1	68.7	69.1	70.0	74.1	76.0	77.3	77.9	78.1	77.4	76.7
59°	65.3	65.9	66.5	67.7	71.3	73.1	74.2	75.2	75.2	74.8	73.8
59.5°	62.9	63.4	64.3	64.8	68.3	70.4	71.6	72.4	72.4	72.1	71.2
60°	60.5	60.8	61.5	62.2	65.9	67.7	68.8	69.7	69.7	69.4	68.8
60.5°	57.9	58.2	58.9	59.7	63.3	64.9	66.1	66.9	67.0	66.5	65.7
61°	55.4	55.9	56.6	57.2	60.8	62.3	63.6	64.1	64.4	63.6	63.3
61.5°	53.1	53.5	54.2	54.7	58.2	59.8	60.9	61.7	61.7	61.4	60.5
62°	50.7	51.0	51.8	52.3	55.7	57.1	58.2	59.0	59.1	58.7	58.2
62.5°	48.4	48.7	49.3	50.0	53.1	54.8	55.8	56.5	56.5	56.1	55.7
63°	45.9	46.4	47.0	47.7	50.7	52.0	53.3	54.1	54.0	53.7	53.2
63.5°	43.8	44.2	44.8	45.4	48.3	49.3	50.8	51.4	51.4	51.2	50.7
64°	41.7	42.2	42.7	43.3	46.0	47.2	48.3	49.0	49.0	48.7	48.3
64.5°	39.6	40.0	40.5	41.3	43.6	44.9	46.0	46.5	46.6	46.3	45.6
65°	37.7	38.1	38.5	39.1	41.4	42.6	43.5	44.1	43.9	43.7	43.5
65.5°	35.8	36.0	36.5	37.1	39.3	40.7	41.2	42.0	41.7	41.5	41.2
66°	33.9	33.9	34.6	35.1	36.8	38.1	39.0	39.5	39.6	39.5	39.0





TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	28.5	28.7	29.1	29.4	31.2	32.2	32.8	33.3	33.2	33.1	32.8
68°	27.0	27.1	27.5	27.9	29.4	30.2	31.0	31.3	31.2	31.3	30.8
68.5°	25.4	25.7	26.0	26.3	27.7	28.4	29.1	29.4	29.5	29.3	29.0
69°	24.1	24.2	24.5	24.7	26.1	26.7	27.3	27.8	27.7	27.7	27.3
69.5°	22.8	23.1	23.1	23.4	24.4	25.1	25.7	26.1	26.2	26.0	25.7
70°	21.6	21.8	22.0	22.3	23.1	23.5	24.1	24.5	24.5	24.4	24.1
70.5°	20.5	20.5	20.8	20.9	21.8	22.3	22.7	23.1	23.0	22.9	22.7
71°	19.5	19.4	19.7	19.8	20.6	21.1	21.5	21.6	21.6	21.6	21.4
71.5°	18.5	18.2	18.7	18.7	20.0	19.9	20.2	20.4	20.5	20.7	20.2
72°	17.3	17.4	17.6	17.8	18.3	18.7	19.0	19.2	19.3	19.4	19.1
72.5°	16.5	16.6	16.7	16.9	17.3	17.5	18.0	18.3	18.2	18.2	18.0
73°	15.7	15.6	15.8	15.8	16.4	16.5	16.8	17.2	17.2	17.2	17.0
73.5°	14.7	14.7	14.9	15.0	15.4	15.6	15.9	16.1	16.2	16.2	16.0
74°	13.9	13.9	14.1	14.2	14.5	15.1	15.2	15.1	15.1	15.3	15.1
74.5°	13.2	13.1	13.4	13.5	13.7	13.9	14.1	14.2	14.3	14.3	14.2
75°	12.5	12.5	12.6	12.7	12.9	13.1	13.2	13.3	13.3	13.6	13.3
75.5°	11.8	11.7	11.9	12.0	12.2	12.2	12.4	12.6	12.9	12.8	12.7
76°	10.9	11.0	11.3	11.2	11.6	11.7	11.8	12.2	12.1	12.0	11.9
76.5°	10.4	10.9	10.6	10.7	11.0	11.0	11.0	11.3	11.2	11.3	11.1
77°	9.7	9.8	9.9	9.9	10.1	10.2	10.5	10.4	11.0	10.8	10.5
77.5°	9.1	9.2	9.3	9.3	9.7	9.6	9.9	10.1	10.4	9.9	10.0
78°	8.5	8.7	8.7	8.7	8.7	8.9	9.1	9.2	9.3	9.5	9.1
78.5°	7.8	8.0	8.1	8.0	8.2	8.3	8.4	8.6	8.5	8.6	8.6
79°	7.4	7.5	7.5	7.5	7.9	7.8	7.9	8.1	8.1	8.2	7.9
79.5°	6.6	6.8	6.9	7.0	7.0	7.2	7.3	7.4	7.4	7.4	7.2
80°	6.1	6.3	6.4	6.4	6.6	7.0	7.0	7.0	6.8	7.0	7.1
80.5°	5.6	5.8	5.8	5.7	6.1	6.0	6.1	6.2	6.4	6.2	6.1
81°	5.3	5.5	5.5	5.4	5.5	5.4	5.7	6.1	5.9	5.6	5.6
81.5°	4.9	5.1	5.2	5.1	5.0	5.0	5.6	5.2	5.4	5.2	5.0
82°	4.8	4.9	4.9	4.7	4.8	4.9	4.9	4.8	4.8	4.9	4.9
82.5°	4.5	4.6	4.7	4.7	4.4	4.3	4.7	4.5	4.5	4.5	4.4
83°	4.3	4.3	4.4	4.4	4.1	4.1	4.3	4.2	4.2	4.2	4.1
83.5°	3.9	4.0	4.0	3.9	4.1	3.8	4.0	4.2	4.2	4.0	3.9
84°	3.6	3.7	3.7	3.7	4.1	3.6	3.7	4.2	4.0	3.8	3.8
84.5°	3.2	3.4	3.4	3.5	3.3	3.2	3.5	3.5	3.4	3.2	3.1
85°	2.7	3.1	3.1	2.8	3.0	3.1	3.2	3.1	3.0	3.0	3.1
85.5°	2.6	2.8	2.9	2.7	2.9	3.1	2.9	2.9	2.8	2.9	2.9
86°	2.3	2.5	2.5	2.5	2.5	2.7	2.7	2.4	2.3	2.8	2.4
86.5°	1.9	2.2	2.2	2.2	2.0	2.0	2.1	2.2	2.2	2.0	1.9
87°	1.6	1.9	2.0	1.9	1.8	1.8	1.8	2.2	2.2	1.9	1.8
87.5°	1.4	1.6	1.7	1.6	1.5	1.6	1.6	2.1	2.1	1.6	1.3
88°	1.2	1.4	1.4	1.3	1.0	1.1	1.2	1.3	1.5	1.1	1.0
88.5°	0.9	1.1	1.2	1.0	0.8	0.8	0.8	0.9	1.1	0.9	0.8



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	0.4	0.4	0.3	0.1	0.4	0.2	0.3	0.3	0.2	0.4
90.5°	0.0	0.4	0.4	0.3	0.1	0.4	0.2	0.3	0.3	0.2	0.4
91°	0.0	0.4	0.4	0.3	0.1	0.4	0.1	0.2	0.2	0.2	0.3
91.5°	0.0	0.4	0.4	0.3	0.1	0.4	0.1	0.2	0.2	0.1	0.3
92°	0.0	0.3	0.4	0.2	0.1	0.4	0.1	0.2	0.2	0.2	0.3
92.5°	0.0	0.3	0.4	0.2	0.1	0.4	0.1	0.2	0.2	0.2	0.3
93°	0.1	0.3	0.4	0.2	0.2	0.4	0.1	0.2	0.2	0.2	0.3
93.5°	0.1	0.3	0.4	0.3	0.0	0.4	0.1	0.2	0.2	0.3	0.3
94°	0.3	0.3	0.4	0.3	0.0	0.4	0.1	0.2	0.2	0.2	0.3
94.5°	0.3	0.3	0.4	0.1	0.2	0.4	0.1	0.2	0.2	0.2	0.3
95°	0.3	0.3	0.4	0.1	0.1	0.4	0.0	0.2	0.2	0.2	0.3
95.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.0	0.2	0.2	0.3	0.3
96°	0.1	0.3	0.4	0.1	0.0	0.4	0.2	0.2	0.2	0.3	0.3
96.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.1	0.2	0.2	0.4	0.3
97°	0.1	0.3	0.4	0.1	0.1	0.4	0.1	0.2	0.2	0.1	0.3
97.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.1	0.2	0.2	0.1	0.3
98°	0.1	0.3	0.4	0.1	0.1	0.4	0.2	0.2	0.2	0.1	0.3
98.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.3	0.2	0.2	0.1	0.3
99°	0.1	0.3	0.4	0.1	0.1	0.4	0.4	0.2	0.2	0.1	0.3
99.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.1	0.2	0.2	0.1	0.3
100°	0.1	0.3	0.4	0.1	0.1	0.4	0.1	0.2	0.2	0.1	0.3
100.5°	0.1	0.3	0.4	0.1	0.1	0.4	0.0	0.2	0.2	0.1	0.3
101°	0.1	0.3	0.4	0.1	0.3	0.4	0.0	0.2	0.3	0.1	0.3
101.5°	0.1	0.3	0.4	0.1	0.2	0.4	0.0	0.2	0.3	0.1	0.3
102°	0.2	0.3	0.4	0.1	0.2	0.4	0.3	0.2	0.3	0.1	0.3
102.5°	0.2	0.3	0.4	0.1	0.3	0.4	0.3	0.2	0.3	0.1	0.3
103°	0.3	0.3	0.4	0.1	0.3	0.4	0.2	0.2	0.3	0.1	0.3
103.5°	0.1	0.3	0.4	0.1	0.3	0.4	0.2	0.2	0.3	0.1	0.3
104°	0.1	0.3	0.4	0.1	0.3	0.4	0.2	0.2	0.3	0.1	0.3
104.5°	0.1	0.3	0.4	0.1	0.3	0.4	0.2	0.2	0.4	0.1	0.4
105°	0.2	0.3	0.4	0.1	0.3	0.5	0.2	0.2	0.4	0.1	0.4
105.5°	0.2	0.3	0.4	0.1	0.3	0.5	0.2	0.2	0.3	0.1	0.4
106°	0.2	0.3	0.4	0.1	0.3	0.4	0.2	0.3	0.3	0.3	0.4
106.5°	0.3	0.3	0.4	0.1	0.3	0.4	0.2	0.3	0.3	0.3	0.4
107°	0.2	0.3	0.4	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.4
107.5°	0.2	0.3	0.4	0.2	0.3	0.4	0.3	0.3	0.3	0.2	0.4
108°	0.3	0.3	0.4	0.2	0.3	0.4	0.2	0.3	0.3	0.1	0.4
108.5°	0.2	0.3	0.4	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.4
109°	0.3	0.3	0.4	0.2	0.2	0.5	0.0	0.3	0.3	0.2	0.4
109.5°	0.3	0.3	0.4	0.2	0.3	0.4	0.0	0.3	0.3	0.2	0.4
110°	0.3	0.3	0.4	0.2	0.2	0.5	0.3	0.3	0.3	0.2	0.4
110.5°	0.3	0.3	0.4	0.2	0.2	0.6	0.1	0.3	0.4	0.3	0.4
111°	0.3	0.3	0.4	0.2	0.2	0.6	0.1	0.4	0.4	0.3	0.4



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.4	0.3	0.4	0.2	0.1	0.5	0.3	0.3	0.4	0.3	0.4
113°	0.4	0.3	0.4	0.2	0.1	0.5	0.1	0.3	0.4	0.3	0.4
113.5°	0.4	0.3	0.4	0.2	0.1	0.5	0.1	0.3	0.4	0.3	0.4
114°	0.4	0.3	0.4	0.2	0.1	0.5	0.1	0.3	0.4	0.3	0.4
114.5°	0.3	0.3	0.4	0.2	0.1	0.5	0.1	0.3	0.4	0.3	0.4
115°	0.3	0.3	0.4	0.2	0.1	0.5	0.1	0.4	0.4	0.3	0.4
115.5°	0.3	0.3	0.4	0.2	0.1	0.5	0.3	0.4	0.4	0.3	0.4
116°	0.3	0.3	0.4	0.2	0.4	0.5	0.3	0.4	0.4	0.3	0.4
116.5°	0.3	0.3	0.4	0.2	0.3	0.5	0.3	0.4	0.4	0.3	0.4
117°	0.3	0.3	0.4	0.2	0.3	0.5	0.3	0.4	0.4	0.3	0.6
117.5°	0.4	0.3	0.4	0.3	0.4	0.6	0.3	0.4	0.4	0.4	0.6
118°	0.4	0.3	0.4	0.3	0.4	0.6	0.3	0.4	0.4	0.4	0.5
118.5°	0.4	0.3	0.4	0.4	0.4	0.6	0.3	0.4	0.4	0.4	0.5
119°	0.4	0.3	0.4	0.4	0.4	0.6	0.3	0.4	0.5	0.4	0.5
119.5°	0.4	0.3	0.4	0.4	0.4	0.6	0.4	0.4	0.5	0.4	0.5
120°	0.4	0.3	0.4	0.4	0.4	0.6	0.5	0.4	0.5	0.4	0.5
120.5°	0.4	0.3	0.4	0.4	0.4	0.7	0.4	0.5	0.5	0.5	0.5
121°	0.4	0.3	0.4	0.5	0.4	0.7	0.4	0.5	0.5	0.6	0.5
121.5°	0.4	0.3	0.4	0.4	0.4	1.1	0.4	0.6	0.5	0.5	0.5
122°	0.4	0.3	0.4	0.4	0.4	0.5	0.3	0.6	0.5	0.5	0.6
122.5°	0.4	0.3	0.4	0.6	0.4	0.5	0.3	0.5	0.5	0.4	0.6
123°	0.4	0.3	0.4	0.6	0.4	0.5	0.3	0.5	0.6	0.4	0.6
123.5°	0.4	0.3	0.4	0.5	0.5	0.5	0.3	0.5	0.5	0.4	0.6
124°	0.4	0.3	0.4	0.5	0.6	0.5	0.3	0.5	0.5	0.4	0.7
124.5°	0.4	0.3	0.4	0.5	0.6	0.6	0.3	0.6	0.6	0.4	0.6
125°	0.5	0.3	0.4	0.6	0.6	0.5	0.3	0.6	0.6	0.5	0.6
125.5°	0.5	0.3	0.4	0.6	0.6	0.5	0.3	0.6	0.6	0.5	0.6
126°	0.6	0.3	0.4	0.7	0.6	0.5	0.4	0.6	0.6	0.5	0.6
126.5°	0.6	0.3	0.4	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.7
127°	0.5	0.3	0.4	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.7
127.5°	0.5	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
128°	0.6	0.3	0.4	0.8	0.6	0.6	0.6	0.7	0.6	0.6	0.8
128.5°	0.6	0.3	0.4	0.8	0.6	0.5	0.6	0.7	0.6	0.6	0.7
129°	0.7	0.3	0.4	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.7
129.5°	0.7	0.3	0.4	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.7
130°	0.8	0.3	0.4	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7
130.5°	0.8	0.4	0.4	0.7	0.6	0.5	0.6	0.6	0.8	0.6	0.8
131°	0.7	0.4	0.4	0.7	0.6	0.6	0.6	0.7	0.8	0.6	0.8
131.5°	0.7	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.8	0.6	0.8
132°	0.8	0.4	0.4	0.8	0.6	0.6	0.6	0.7	0.8	0.7	0.8
132.5°	0.8	0.5	0.4	0.8	0.6	0.6	0.6	0.7	0.8	0.7	0.9
133°	0.8	0.6	0.4	0.9	0.6	0.6	0.6	0.7	0.8	0.6	0.8
133.5°	0.8	0.6	0.4	0.7	0.6	0.6	0.6	0.7	0.8	0.6	0.8



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.8	0.8	0.5	0.9	0.6	0.6	0.6	0.7	0.9	0.7	0.8
135.5°	0.8	0.8	0.5	0.8	0.6	0.6	0.8	0.7	0.9	0.7	0.8
136°	1.0	0.8	0.6	0.8	0.7	0.7	0.8	0.7	0.8	0.7	0.8
136.5°	0.9	0.8	0.7	0.8	0.8	0.6	0.7	0.7	0.8	0.7	0.9
137°	0.9	0.8	0.8	0.9	0.6	0.6	0.6	0.7	0.8	0.8	0.9
137.5°	0.9	0.9	0.8	0.8	0.6	0.4	0.7	0.8	0.8	0.7	1.0
138°	0.9	0.9	0.8	0.8	0.6	1.0	0.7	0.8	0.8	0.7	1.0
138.5°	0.9	0.9	0.7	0.9	0.6	1.0	0.7	0.7	0.8	0.8	0.9
139°	0.9	1.0	0.9	0.8	0.7	0.6	0.7	0.8	0.8	0.8	0.9
139.5°	0.9	1.0	0.9	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.9
140°	1.0	1.1	0.8	0.9	0.9	0.7	0.8	0.8	0.8	0.8	0.9
140.5°	1.0	1.0	0.8	1.2	0.8	0.8	0.8	0.8	0.9	0.8	0.9
141°	0.9	1.0	0.8	1.2	0.8	0.7	0.8	0.8	0.9	0.8	1.0
141.5°	1.0	1.0	0.8	1.3	0.8	1.0	0.8	0.8	0.9	0.8	1.0
142°	1.0	1.0	0.8	1.2	0.8	0.8	0.8	0.8	1.0	0.8	1.0
142.5°	1.0	1.0	0.8	1.2	0.8	0.8	0.8	0.9	1.0	0.9	1.0
143°	1.0	1.0	0.8	1.2	0.8	0.8	0.8	0.8	1.0	0.8	1.0
143.5°	1.0	1.0	0.8	1.2	0.8	0.8	0.8	0.8	1.0	0.8	1.0
144°	1.0	1.0	0.9	1.2	0.8	0.8	0.8	0.8	1.0	0.8	1.0
144.5°	1.0	1.0	0.9	1.2	0.8	0.8	0.8	0.9	1.0	0.8	1.1
145°	1.0	1.0	0.9	1.1	0.8	0.8	0.8	0.9	1.0	0.8	1.1
145.5°	1.0	1.0	0.9	1.1	0.8	0.8	0.9	1.0	1.0	0.8	1.0
146°	1.1	1.0	0.9	1.1	0.9	0.9	1.0	1.0	1.0	0.8	1.1
146.5°	1.2	1.0	0.9	1.1	0.8	0.9	1.0	0.9	1.0	0.9	1.1
147°	1.2	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.0	0.9	1.1
147.5°	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.0	1.0	1.1
148°	1.1	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	0.9	1.1
148.5°	1.1	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.0	0.9	1.1
149°	1.1	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.0	0.9	1.1
149.5°	1.1	1.0	1.0	1.1	1.0	0.8	1.0	1.0	1.0	0.9	1.1
150°	1.1	1.0	1.0	1.1	1.0	0.8	1.0	1.0	1.0	0.9	1.1
150.5°	1.1	1.0	1.0	1.5	1.0	0.9	1.0	1.0	1.0	0.9	1.1
151°	1.1	1.0	1.0	1.3	1.0	0.9	1.0	1.1	1.0	0.9	1.1
151.5°	1.2	1.0	1.1	1.3	1.0	0.8	1.0	1.1	1.0	0.9	1.1
152°	1.2	1.0	1.0	1.3	1.0	0.8	1.0	1.0	1.0	0.9	1.1
152.5°	1.3	1.0	1.1	1.4	1.0	1.0	1.1	1.0	1.0	0.8	1.1
153°	1.3	1.0	1.2	1.3	1.0	0.9	1.1	1.0	1.0	0.8	1.1
153.5°	1.4	1.0	1.2	1.1	1.0	0.9	1.1	1.0	1.0	1.0	1.1
154°	1.5	1.0	1.1	1.1	1.0	0.9	1.1	1.0	1.2	1.0	1.1
154.5°	1.5	1.0	1.2	1.4	1.0	0.9	1.1	1.0	1.3	1.0	1.1
155°	1.4	1.0	1.1	1.4	1.0	1.0	1.1	1.0	1.3	1.0	1.1
155.5°	1.4	1.0	1.0	1.5	1.0	1.0	1.1	1.0	1.3	1.0	1.1
156°	1.4	1.0	1.1	1.3	1.0	1.0	1.2	1.0	1.3	1.0	1.1



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.4	1.0	1.3	1.4	1.0	1.0	1.1	1.0	1.3	1.2	1.1
158°	1.4	1.0	1.3	1.4	1.1	1.0	1.1	1.0	1.3	1.4	1.1
158.5°	1.4	1.0	1.2	1.3	1.2	1.0	1.1	1.0	1.3	1.0	1.1
159°	1.5	1.0	1.2	1.4	1.2	1.0	1.1	1.0	1.3	1.2	1.1
159.5°	1.5	1.0	1.4	1.3	1.4	1.0	1.1	1.0	1.3	1.5	1.1
160°	1.5	1.0	1.4	1.3	1.3	1.0	1.1	1.0	1.3	1.2	1.1
160.5°	1.5	1.0	1.3	1.4	1.3	1.0	1.1	1.1	1.3	1.2	1.1
161°	1.5	1.0	1.2	1.5	1.4	1.1	1.1	1.1	1.3	1.1	1.1
161.5°	1.4	1.0	1.3	1.4	1.4	1.1	1.1	1.2	1.3	1.4	1.1
162°	1.4	1.0	1.2	1.5	1.5	1.0	1.1	1.3	1.3	1.4	1.1
162.5°	1.5	1.0	1.2	1.5	1.4	1.0	1.1	1.3	1.4	1.5	1.1
163°	1.5	1.0	1.2	1.5	1.4	1.0	1.1	1.3	1.5	1.5	1.1
163.5°	1.5	1.0	1.2	1.5	1.4	1.0	1.1	1.3	1.5	1.3	1.1
164°	1.5	1.0	1.2	1.4	1.4	1.0	1.1	1.3	1.5	1.3	1.1
164.5°	1.7	1.0	1.3	1.5	1.5	1.0	1.2	1.4	1.5	1.3	1.1
165°	1.7	1.0	1.3	1.4	1.5	1.0	1.2	1.4	1.5	1.3	1.1
165.5°	1.5	1.0	1.3	1.4	1.5	1.0	1.2	1.5	1.5	1.4	1.1
166°	1.5	1.0	1.3	1.5	1.5	1.0	1.1	1.4	1.5	1.5	1.1
166.5°	1.5	1.0	1.3	1.5	1.6	1.0	1.2	1.4	1.5	1.5	1.1
167°	1.5	1.0	1.4	1.3	1.5	1.0	1.1	1.4	1.5	1.5	1.1
167.5°	1.7	1.0	1.4	1.6	1.6	1.0	1.1	1.4	1.5	1.3	1.1
168°	1.7	1.0	1.4	1.5	1.7	1.0	1.1	1.4	1.6	1.4	1.1
168.5°	1.7	1.0	1.4	1.5	1.7	1.0	1.1	1.4	1.6	1.5	1.1
169°	1.7	1.0	1.4	1.5	1.4	1.0	1.1	1.4	1.6	1.5	1.0
169.5°	1.6	1.0	1.4	1.5	1.3	1.0	1.1	1.4	1.6	1.5	1.0
170°	1.5	1.0	1.3	1.5	1.5	1.0	1.1	1.4	1.6	1.5	1.0
170.5°	1.6	1.0	1.4	1.5	1.5	1.0	1.1	1.4	1.5	1.4	1.0
171°	1.5	1.0	1.5	1.5	1.5	1.0	1.1	1.4	1.5	1.5	1.0
171.5°	1.5	1.0	1.3	1.5	1.6	1.0	1.1	1.4	1.5	1.5	1.0
172°	1.5	1.0	1.4	1.4	1.5	1.0	1.1	1.4	1.5	1.5	1.0
172.5°	1.5	1.0	1.4	1.5	1.6	1.0	1.1	1.4	1.6	1.5	1.0
173°	1.5	1.0	1.3	1.3	1.7	1.0	1.1	1.4	1.6	1.5	1.0
173.5°	1.5	1.0	1.3	1.3	1.6	1.0	1.1	1.5	1.5	1.5	1.0
174°	1.5	1.0	1.3	1.3	1.5	1.0	1.1	1.5	1.5	1.5	1.0
174.5°	1.3	1.0	1.2	1.3	1.4	1.0	1.1	1.3	1.6	1.5	1.0
175°	1.5	1.0	1.4	1.3	1.5	1.0	1.1	1.3	1.5	1.4	1.0
175.5°	1.2	1.0	1.2	1.3	1.3	1.0	1.1	1.3	1.4	1.4	1.0
176°	1.2	1.0	1.4	1.3	1.3	1.0	1.1	1.3	1.4	1.3	1.0
176.5°	1.3	1.0	1.3	1.3	1.3	1.0	1.1	1.3	1.3	1.1	1.0
177°	1.3	1.0	1.2	1.3	1.3	1.0	1.1	1.3	1.3	1.1	1.0
177.5°	1.4	1.0	1.0	1.4	1.2	1.0	1.1	1.3	1.3	1.1	1.0
178°	1.2	1.0	1.1	1.3	1.2	1.0	1.1	1.3	1.3	1.1	1.0
178.5°	1.1	1.0	1.1	1.3	1.2	1.0	1.1	1.3	1.3	1.1	1.0



TEST NUMBER: A2016275F001

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	298.0	298.0	298.0	298.0	298.0	298.0
0.5°	298.4	298.4	297.9	297.7	298.2	297.9
1°	298.4	298.0	297.7	297.5	298.0	297.7
1.5°	298.1	298.1	297.5	297.5	297.8	297.5
2°	297.7	298.1	297.4	297.2	297.5	297.4
2.5°	297.6	297.7	297.1	297.0	297.2	297.0
3°	297.5	297.1	296.8	296.8	297.2	296.8
3.5°	297.5	291.8	296.5	296.5	296.7	296.5
4°	297.4	296.9	296.4	296.2	296.5	296.2
4.5°	297.3	296.6	296.1	296.0	296.1	295.8
5°	296.8	296.4	295.7	295.6	295.6	295.2
5.5°	296.5	295.9	295.0	295.1	295.2	294.8
6°	296.2	295.5	294.5	294.4	294.8	294.6
6.5°	295.9	295.0	294.2	293.8	294.3	293.9
7°	295.5	294.5	293.8	293.4	293.5	293.3
7.5°	294.9	293.9	293.4	292.8	292.9	292.7
8°	294.6	293.3	292.5	292.3	292.4	291.9
8.5°	294.1	292.6	291.9	291.6	292.0	291.4
9°	293.5	292.1	291.4	290.8	291.0	290.8
9.5°	292.9	291.4	290.6	290.4	290.3	289.8
10°	292.5	290.8	289.9	289.5	289.6	289.3
10.5°	291.9	290.2	289.4	288.6	288.6	288.6
11°	291.1	289.4	288.3	288.0	288.2	287.6
11.5°	290.4	288.4	287.5	287.1	287.2	286.6
12°	289.7	287.6	286.9	286.4	286.1	285.8
12.5°	288.7	286.5	285.8	285.5	285.1	284.9
13°	287.9	285.5	285.1	284.6	284.5	284.0
13.5°	287.2	284.7	284.1	283.7	283.7	283.2
14°	286.3	284.1	283.2	282.7	282.6	282.3
14.5°	285.2	283.0	282.3	281.6	281.6	281.0
15°	284.2	282.2	281.2	280.7	280.8	279.7
15.5°	283.3	281.1	280.1	279.5	279.5	278.8
16°	282.6	280.0	279.0	278.4	278.0	277.5
16.5°	281.2	278.6	278.1	277.2	276.9	276.6
17°	280.2	277.3	276.7	276.1	276.0	275.5
17.5°	279.0	276.1	275.4	274.9	274.8	274.3
18°	277.9	274.9	274.2	273.5	273.4	272.9
18.5°	276.6	273.7	273.0	272.4	271.9	271.4
19°	275.1	272.4	271.5	270.8	270.5	270.3
19.5°	273.8	270.8	270.0	269.5	269.5	268.7
20°	272.6	269.6	268.9	268.1	267.9	267.2
20.5°	271.1	268.1	267.4	266.6	266.5	265.5
21°	269.7	266.7	265.7	265.0	264.8	263.9



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	265.2	262.0	260.9	260.5	260.4	259.2
23°	263.8	260.6	259.6	258.8	258.7	257.9
23.5°	262.3	258.7	257.9	256.9	257.3	256.1
24°	260.3	257.0	256.1	255.3	255.2	254.2
24.5°	258.7	255.3	254.4	253.6	253.3	252.4
25°	256.9	253.6	252.6	252.0	251.5	250.8
25.5°	255.4	251.9	251.0	250.0	250.0	248.8
26°	253.5	250.0	249.1	248.3	248.0	246.8
26.5°	251.8	248.3	247.0	246.6	246.2	245.1
27°	250.0	246.3	245.3	244.6	244.2	243.4
27.5°	248.0	244.4	243.4	242.6	242.2	241.3
28°	246.0	242.5	241.2	240.7	240.3	239.4
28.5°	244.0	240.3	239.6	238.4	238.0	237.2
29°	242.0	238.3	237.2	236.5	235.9	235.2
29.5°	240.0	236.3	235.3	234.7	233.8	233.0
30°	237.9	234.1	233.3	232.5	231.8	230.9
30.5°	235.9	232.1	231.0	230.5	229.5	228.6
31°	233.7	229.8	228.8	228.0	227.4	226.4
31.5°	231.5	227.6	226.7	225.7	225.0	224.2
32°	229.3	225.2	224.3	223.4	223.0	221.8
32.5°	227.0	223.0	222.1	221.1	220.5	219.6
33°	224.6	220.8	219.7	218.9	218.4	217.3
33.5°	222.2	218.4	217.4	216.8	216.0	214.8
34°	220.0	216.2	215.1	214.1	213.6	212.3
34.5°	217.6	213.6	212.6	211.7	211.6	210.0
35°	215.3	211.3	210.1	209.0	208.9	207.4
35.5°	212.7	208.7	207.9	206.8	206.2	205.3
36°	210.2	206.2	205.1	204.3	203.9	202.9
36.5°	207.8	203.5	202.7	201.9	201.2	200.0
37°	205.3	201.0	199.9	199.3	198.6	197.3
37.5°	202.7	198.5	197.5	196.5	195.9	194.8
38°	200.0	195.9	194.9	194.0	193.2	192.3
38.5°	197.3	193.0	192.1	191.0	190.8	189.3
39°	194.7	190.5	189.4	188.5	187.8	186.8
39.5°	191.9	187.9	186.6	186.0	185.1	184.2
40°	189.3	185.3	184.2	183.2	182.7	181.4
40.5°	186.6	182.3	181.6	180.5	179.9	178.7
41°	183.9	179.7	179.0	177.6	176.9	176.1
41.5°	181.1	176.8	176.1	174.9	174.4	173.3
42°	178.4	174.2	173.2	172.2	171.4	170.3
42.5°	175.5	171.5	170.3	169.4	168.5	167.6
43°	172.8	168.5	167.6	166.3	165.6	164.4
43.5°	169.6	165.6	164.4	163.0	162.5	161.3





TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	160.2	156.1	154.7	153.8	153.0	151.7
45.5°	157.0	153.2	151.8	150.6	149.6	148.5
46°	153.9	150.1	148.4	147.5	146.5	145.4
46.5°	150.7	147.0	145.2	144.3	143.2	142.3
47°	147.4	143.7	142.1	141.0	139.9	139.2
47.5°	144.2	140.4	138.8	137.7	136.6	136.0
48°	141.0	137.1	135.4	134.3	133.2	132.5
48.5°	137.7	133.7	132.0	131.1	130.0	129.2
49°	134.3	130.5	129.0	127.7	126.5	126.1
49.5°	131.1	127.3	125.5	124.4	123.5	122.8
50°	127.8	124.0	122.2	121.2	120.1	119.4
50.5°	124.6	120.8	119.1	117.8	116.8	116.3
51°	121.3	117.7	115.9	114.8	113.6	113.0
51.5°	118.1	114.5	112.6	111.5	110.4	109.9
52°	114.8	111.2	109.5	108.3	107.0	106.8
52.5°	111.6	108.0	106.4	105.1	104.0	103.6
53°	108.3	104.8	102.8	102.0	100.9	100.4
53.5°	105.3	101.7	99.9	98.8	97.8	97.2
54°	102.0	98.5	96.8	95.6	94.6	94.0
54.5°	99.2	95.4	93.6	92.4	91.7	91.1
55°	96.1	92.3	90.6	89.2	88.4	88.2
55.5°	92.8	89.2	87.6	86.3	85.5	85.2
56°	89.8	86.1	84.6	83.4	82.6	82.2
56.5°	87.2	83.2	81.8	80.3	79.6	79.2
57°	84.3	80.4	78.9	77.3	76.8	76.4
57.5°	81.5	77.5	75.7	74.5	73.8	73.3
58°	78.5	74.4	73.1	71.8	71.1	70.7
58.5°	76.1	71.8	70.2	69.1	68.4	68.1
59°	73.0	69.0	67.5	66.2	65.9	65.3
59.5°	70.5	66.3	65.3	63.9	63.1	62.9
60°	67.7	63.9	62.4	61.3	60.7	60.5
60.5°	65.1	61.2	60.1	58.9	58.2	57.9
61°	62.3	58.7	57.5	56.3	55.8	55.4
61.5°	59.8	56.4	55.1	54.0	53.3	53.1
62°	57.1	53.8	52.7	51.5	51.0	50.7
62.5°	54.7	51.3	50.4	49.3	48.7	48.4
63°	52.3	48.9	48.0	47.1	46.2	45.9
63.5°	49.9	46.7	45.9	44.7	44.1	43.8
64°	47.4	44.5	43.5	42.7	41.9	41.7
64.5°	45.1	42.4	41.4	40.5	40.2	39.6
65°	42.8	40.3	39.3	38.4	38.2	37.7
65.5°	40.5	38.2	37.5	36.5	36.0	35.8
66°	38.2	36.1	35.5	34.6	34.1	33.9



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	32.2	30.6	29.9	29.2	28.9	28.5
68°	30.3	28.9	28.2	27.7	27.2	27.0
68.5°	28.5	27.1	26.5	26.0	25.7	25.4
69°	26.9	25.7	25.2	24.6	24.2	24.1
69.5°	25.2	24.2	23.7	23.3	23.1	22.8
70°	23.8	23.0	22.4	22.0	21.8	21.6
70.5°	22.3	21.7	21.3	20.9	20.8	20.5
71°	21.2	20.6	20.2	19.7	19.4	19.5
71.5°	20.0	19.5	19.0	18.9	18.6	18.5
72°	18.9	18.4	17.9	17.6	17.4	17.3
72.5°	17.8	17.4	16.9	16.8	16.8	16.5
73°	16.8	16.6	16.2	16.0	15.5	15.7
73.5°	15.8	15.7	15.1	15.1	14.8	14.7
74°	15.0	14.7	14.4	14.3	14.0	13.9
74.5°	14.0	13.9	13.6	13.4	13.1	13.2
75°	13.2	13.1	12.9	12.7	12.5	12.5
75.5°	12.4	12.5	12.0	12.0	11.7	11.8
76°	11.7	11.8	11.3	11.6	11.1	10.9
76.5°	11.0	11.1	10.8	10.7	10.6	10.4
77°	10.5	10.5	9.9	10.0	9.8	9.7
77.5°	9.6	9.8	9.5	9.4	9.3	9.1
78°	8.9	9.0	8.8	8.8	8.7	8.5
78.5°	8.3	8.5	8.1	8.3	8.0	7.8
79°	7.8	7.9	7.5	7.5	7.3	7.4
79.5°	7.1	7.4	7.0	7.0	6.9	6.6
80°	6.9	6.7	6.4	6.5	6.2	6.1
80.5°	6.0	6.2	5.6	5.8	5.6	5.6
81°	5.4	5.7	5.4	5.5	5.4	5.3
81.5°	4.9	5.4	5.2	5.2	4.9	4.9
82°	4.9	5.1	4.9	4.9	4.5	4.8
82.5°	4.3	4.9	4.5	4.7	4.6	4.5
83°	4.0	4.5	4.3	4.4	4.4	4.3
83.5°	3.8	4.3	3.7	4.0	4.0	3.9
84°	3.4	3.9	3.5	3.8	3.4	3.6
84.5°	3.1	3.5	3.4	3.4	3.0	3.2
85°	2.9	3.3	2.9	3.0	2.7	2.7
85.5°	2.9	2.9	2.5	2.9	2.6	2.6
86°	2.3	2.6	2.4	2.5	2.4	2.3
86.5°	1.9	2.4	2.1	2.4	2.1	1.9
87°	1.7	2.2	1.7	1.9	1.9	1.6
87.5°	1.4	1.8	1.3	1.6	1.5	1.4
88°	1.0	1.5	1.1	1.3	1.3	1.2
88.5°	0.8	1.3	1.0	1.2	1.0	0.9



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.3	0.5	0.4	0.5	0.2	0.1
90.5°	0.3	0.4	0.4	0.4	0.1	0.0
91°	0.1	0.4	0.1	0.4	0.1	0.0
91.5°	0.0	0.4	0.1	0.3	0.1	0.0
92°	0.0	0.4	0.1	0.3	0.1	0.0
92.5°	0.2	0.4	0.1	0.3	0.1	0.0
93°	0.1	0.4	0.1	0.3	0.0	0.1
93.5°	0.1	0.4	0.1	0.3	0.1	0.1
94°	0.1	0.4	0.1	0.3	0.2	0.3
94.5°	0.2	0.4	0.0	0.3	0.0	0.3
95°	0.2	0.4	0.1	0.3	0.1	0.3
95.5°	0.1	0.4	0.1	0.3	0.1	0.1
96°	0.1	0.4	0.1	0.3	0.1	0.1
96.5°	0.2	0.4	0.3	0.3	0.1	0.1
97°	0.2	0.4	0.3	0.3	0.1	0.1
97.5°	0.3	0.4	0.0	0.3	0.1	0.1
98°	0.2	0.4	0.0	0.3	0.1	0.1
98.5°	0.1	0.4	0.2	0.3	0.1	0.1
99°	0.1	0.4	0.2	0.3	0.0	0.1
99.5°	0.1	0.4	0.2	0.3	0.1	0.1
100°	0.1	0.4	0.2	0.3	0.1	0.1
100.5°	0.3	0.4	0.2	0.3	0.2	0.1
101°	0.2	0.4	0.3	0.3	0.3	0.1
101.5°	0.2	0.4	0.1	0.3	0.3	0.1
102°	0.2	0.4	0.1	0.3	0.1	0.2
102.5°	0.2	0.4	0.1	0.3	0.3	0.2
103°	0.3	0.4	0.1	0.3	0.2	0.3
103.5°	0.3	0.4	0.4	0.3	0.3	0.1
104°	0.2	0.4	0.4	0.3	0.4	0.1
104.5°	0.3	0.4	0.3	0.3	0.3	0.1
105°	0.3	0.4	0.3	0.3	0.2	0.2
105.5°	0.2	0.4	0.3	0.3	0.2	0.2
106°	0.2	0.4	0.3	0.3	0.2	0.2
106.5°	0.1	0.4	0.3	0.3	0.3	0.3
107°	0.3	0.4	0.3	0.3	0.3	0.2
107.5°	0.3	0.4	0.3	0.3	0.3	0.2
108°	0.3	0.4	0.3	0.3	0.2	0.3
108.5°	0.2	0.4	0.3	0.3	0.3	0.2
109°	0.3	0.4	0.3	0.3	0.3	0.3
109.5°	0.3	0.4	0.3	0.3	0.3	0.3
110°	0.3	0.4	0.4	0.3	0.3	0.3
110.5°	0.3	0.4	0.4	0.3	0.3	0.3
111°	0.3	0.4	0.4	0.3	0.3	0.3



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.4	0.4	0.3	0.3	0.3	0.4
113°	0.4	0.4	0.3	0.3	0.3	0.4
113.5°	0.4	0.4	0.6	0.3	0.3	0.4
114°	0.4	0.4	0.5	0.3	0.3	0.4
114.5°	0.4	0.4	0.4	0.3	0.3	0.3
115°	0.4	0.4	0.3	0.3	0.3	0.3
115.5°	0.4	0.4	0.4	0.3	0.3	0.3
116°	0.5	0.4	0.3	0.3	0.3	0.3
116.5°	0.4	0.4	0.3	0.3	0.6	0.3
117°	0.4	0.4	0.3	0.3	0.5	0.3
117.5°	0.4	0.4	0.3	0.3	0.4	0.4
118°	0.4	0.4	0.4	0.3	0.5	0.4
118.5°	0.5	0.4	0.3	0.3	0.4	0.4
119°	0.5	0.4	0.4	0.3	0.4	0.4
119.5°	0.6	0.4	0.4	0.3	0.4	0.4
120°	0.6	0.4	0.4	0.3	0.4	0.4
120.5°	0.6	0.4	0.6	0.3	0.4	0.4
121°	0.6	0.4	0.5	0.3	0.4	0.4
121.5°	0.4	0.4	0.6	0.3	0.4	0.4
122°	0.4	0.4	0.6	0.3	0.4	0.4
122.5°	0.5	0.4	0.6	0.3	0.4	0.4
123°	0.5	0.4	0.6	0.3	0.4	0.4
123.5°	0.5	0.4	0.5	0.3	0.4	0.4
124°	0.5	0.4	0.6	0.3	0.8	0.4
124.5°	0.5	0.4	0.6	0.3	0.6	0.4
125°	0.6	0.4	0.6	0.3	0.7	0.5
125.5°	0.6	0.4	0.6	0.3	0.8	0.5
126°	0.6	0.4	0.6	0.3	0.6	0.6
126.5°	0.6	0.4	0.6	0.3	0.6	0.6
127°	0.6	0.4	0.7	0.4	0.7	0.5
127.5°	0.6	0.4	0.8	0.4	0.6	0.5
128°	0.7	0.4	0.8	0.4	0.6	0.6
128.5°	0.7	0.4	0.7	0.4	0.6	0.6
129°	0.7	0.4	0.7	0.4	0.6	0.7
129.5°	0.8	0.4	0.7	0.4	0.7	0.7
130°	0.8	0.4	0.7	0.4	0.7	0.8
130.5°	0.8	0.4	0.7	0.4	0.6	0.8
131°	0.8	0.5	0.7	0.5	0.6	0.7
131.5°	0.8	0.5	0.8	0.5	0.6	0.7
132°	0.8	0.5	0.8	0.6	0.6	0.8
132.5°	0.8	0.6	0.8	0.6	0.7	0.8
133°	0.8	0.6	0.8	0.6	0.7	0.8
133.5°	0.8	0.6	0.8	0.7	0.8	0.8



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.9	0.7	1.0	0.6	0.8	0.8
135.5°	0.9	0.7	1.0	0.7	0.8	0.8
136°	0.8	0.8	1.0	0.7	0.8	1.0
136.5°	0.9	0.8	0.9	0.7	0.6	0.9
137°	0.9	0.9	0.9	0.7	1.0	0.9
137.5°	0.9	0.9	1.0	0.7	1.0	0.9
138°	0.9	0.9	0.9	0.8	0.9	0.9
138.5°	0.9	0.9	0.9	0.8	0.9	0.9
139°	0.9	0.9	0.8	1.0	0.9	0.9
139.5°	0.9	0.9	0.8	1.0	0.9	0.9
140°	0.9	0.9	0.8	0.9	0.8	1.0
140.5°	0.9	0.9	0.8	0.9	0.8	1.0
141°	1.0	0.9	0.8	0.9	0.8	0.9
141.5°	0.9	0.9	0.8	0.9	0.8	1.0
142°	0.9	0.9	0.8	0.9	0.8	1.0
142.5°	1.0	0.9	1.0	0.9	0.8	1.0
143°	1.0	0.9	1.0	0.9	0.8	1.0
143.5°	1.0	0.9	1.0	0.9	0.8	1.0
144°	1.0	0.9	1.0	0.9	0.8	1.0
144.5°	1.1	0.9	1.1	0.9	0.8	1.0
145°	1.1	0.9	0.9	0.9	0.8	1.0
145.5°	1.0	0.9	1.1	0.9	0.8	1.0
146°	1.0	0.9	1.1	0.9	0.8	1.1
146.5°	1.0	0.9	1.1	0.9	0.8	1.2
147°	1.0	0.9	1.0	0.9	0.8	1.2
147.5°	1.0	0.9	1.0	0.9	0.8	1.1
148°	1.0	0.9	1.3	0.9	0.8	1.1
148.5°	1.0	0.9	1.0	0.9	0.8	1.1
149°	1.0	0.9	1.1	0.9	0.8	1.1
149.5°	1.0	0.9	1.1	0.9	0.8	1.1
150°	1.0	0.9	1.1	0.9	0.8	1.1
150.5°	1.0	0.9	1.1	0.9	0.8	1.1
151°	1.0	0.9	1.3	0.9	0.8	1.1
151.5°	1.0	0.9	1.3	0.9	0.8	1.2
152°	1.0	0.9	1.2	0.9	0.9	1.2
152.5°	1.0	0.9	1.2	0.9	0.9	1.3
153°	1.0	0.9	1.2	0.9	0.9	1.3
153.5°	1.0	0.9	1.1	0.9	0.9	1.4
154°	1.0	0.9	1.1	0.9	1.0	1.5
154.5°	1.1	0.9	1.2	0.9	1.0	1.5
155°	1.1	0.9	1.2	1.0	1.0	1.4
155.5°	1.1	0.9	1.3	1.0	1.0	1.4
156°	1.1	0.9	1.3	1.0	1.0	1.4



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.1	0.9	1.3	1.0	1.1	1.4
158°	1.1	0.9	1.3	1.0	1.1	1.4
158.5°	1.1	0.9	1.3	1.0	1.1	1.4
159°	1.1	0.9	1.3	1.1	1.1	1.5
159.5°	1.2	0.9	1.3	1.0	1.1	1.5
160°	1.2	0.9	1.3	1.1	1.1	1.5
160.5°	1.2	0.9	1.4	1.1	1.1	1.5
161°	1.1	0.9	1.4	1.1	1.1	1.5
161.5°	1.2	0.9	1.5	1.1	1.1	1.4
162°	1.3	1.0	1.3	1.1	1.2	1.4
162.5°	1.2	1.0	1.4	1.1	1.2	1.5
163°	1.3	1.0	1.4	1.1	1.2	1.5
163.5°	1.1	1.0	1.4	1.1	1.3	1.5
164°	1.1	1.0	1.3	1.1	1.4	1.5
164.5°	1.3	1.0	1.4	1.1	1.4	1.7
165°	1.3	1.0	1.4	1.1	1.4	1.7
165.5°	1.3	1.0	1.5	1.1	1.4	1.5
166°	1.3	1.0	1.4	1.1	1.7	1.5
166.5°	1.3	1.0	1.4	1.1	1.7	1.5
167°	1.5	1.0	1.4	1.1	1.7	1.5
167.5°	1.6	1.0	1.5	1.1	1.8	1.7
168°	1.6	1.0	1.6	1.1	1.8	1.7
168.5°	1.3	1.0	1.3	1.1	1.8	1.7
169°	1.3	1.0	1.5	1.1	1.7	1.7
169.5°	1.3	1.0	1.5	1.1	1.7	1.6
170°	1.4	1.0	1.5	1.1	1.7	1.5
170.5°	1.5	1.0	1.3	1.1	1.7	1.6
171°	1.5	1.1	1.4	1.1	1.7	1.5
171.5°	1.5	1.1	1.3	1.3	1.7	1.5
172°	1.5	1.0	1.7	1.3	1.6	1.5
172.5°	1.6	1.0	1.4	1.3	1.6	1.5
173°	1.3	1.0	1.4	1.3	1.5	1.5
173.5°	1.3	1.0	1.4	1.3	1.5	1.5
174°	1.3	1.0	1.8	1.3	1.5	1.5
174.5°	1.3	1.0	1.7	1.3	1.5	1.3
175°	1.3	1.0	1.3	1.3	1.5	1.5
175.5°	1.3	1.0	1.3	1.3	1.5	1.2
176°	1.3	1.0	1.3	1.3	1.5	1.2
176.5°	1.3	1.0	1.3	1.3	1.4	1.3
177°	1.3	1.0	1.3	1.3	1.4	1.3
177.5°	1.4	1.0	1.3	1.3	1.3	1.4
178°	1.5	1.0	1.3	1.3	1.3	1.2
178.5°	1.2	1.0	1.2	1.3	1.3	1.1



TEST NUMBER: A2016275F001

CATALOG NUMBER: LT56069FS231EWHR

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.1	1.1	1.1	1.1	1.1	1.1



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°







21.5°	262.6	262.2	262.3	262.5	266.1	266.8	268.1	269.2	269.7	269.5	269.2
22°	260.9	260.9	260.7	260.8	264.6	265.6	266.7	267.3	268.0	268.1	267.8



44°	158.0	157.9	157.9	158.2	162.6	164.4	165.6	166.9	167.4	167.6	167.4
44.5°	154.9	154.9	154.9	155.0	159.4	161.3	162.6	163.7	164.4	164.5	164.3



66.5°	32.1	32.2	32.6	33.2	35.0	36.2	36.8	37.5	37.5	37.3	36.6
67°	30.2	30.4	30.8	31.3	33.1	34.0	34.8	35.2	35.3	35.2	34.7



89°	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8
89.5°	0.3	0.5	0.6	0.4	0.3	0.4	0.3	0.4	0.3	0.5	0.4





111.5°	0.3	0.3	0.4	0.2	0.1	0.5	0.2	0.3	0.4	0.3	0.4
112°	0.4	0.3	0.4	0.2	0.1	0.5	0.2	0.3	0.4	0.3	0.4



134°	0.9	0.7	0.4	0.7	0.6	0.7	0.6	0.7	0.8	0.7	0.8
134.5°	0.9	0.7	0.5	0.9	0.6	0.7	0.6	0.7	0.8	0.7	0.8



156.5°	1.4	1.0	1.1	1.4	1.0	1.1	1.2	1.0	1.4	1.0	1.1
157°	1.4	1.0	1.1	1.3	1.0	1.0	1.2	1.0	1.4	1.0	1.1



179°	1.1	1.0	0.8	1.3	1.1	1.0	1.2	1.3	1.3	1.1	1.0
179.5°	1.1	1.0	1.1	1.3	1.1	1.0	1.2	1.3	1.3	1.1	1.0





21.5°	268.2	265.1	264.3	263.6	263.4	262.6
22°	266.6	263.8	262.7	262.0	261.8	260.9



44°	166.4	162.5	161.1	160.3	159.2	158.0
44.5°	163.2	159.3	157.9	157.0	156.0	154.9



66.5°	36.2	34.2	33.4	32.7	32.5	32.1
67°	34.1	32.3	31.6	31.0	30.6	30.2





89°	0.8	1.0	0.7	0.8	0.5	0.6
89.5°	0.3	0.7	0.4	0.6	0.3	0.3



111.5°	0.3	0.4	0.3	0.3	0.3	0.3
112°	0.4	0.4	0.3	0.3	0.3	0.4



134°	0.8	0.6	0.8	0.7	0.8	0.9
134.5°	0.8	0.7	0.8	0.6	0.8	0.9



156.5°	1.1	0.9	1.3	1.0	1.0	1.4
157°	1.1	0.9	1.2	1.0	1.1	1.4



179°	1.1	1.0	1.2	1.3	1.3	1.1
179.5°	1.5	1.0	1.2	1.3	1.3	1.1



(END OF REPORT)