

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: A2016654A001

Luminaire Tested: **LT4069FS351EWHR**

Test Date: 2020-09-18



Test Information

Test Method: LM-41-14
Report Number: A2016654A001
Test Lab: EVERFINE
Test Date: 2020-09-18
Issue Date: 2020-09-19 10:26:08
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT4069FS351EWHR
Description: LT4069FS351EWHR
Light Source: -
Ballast/Driver: -

Summary

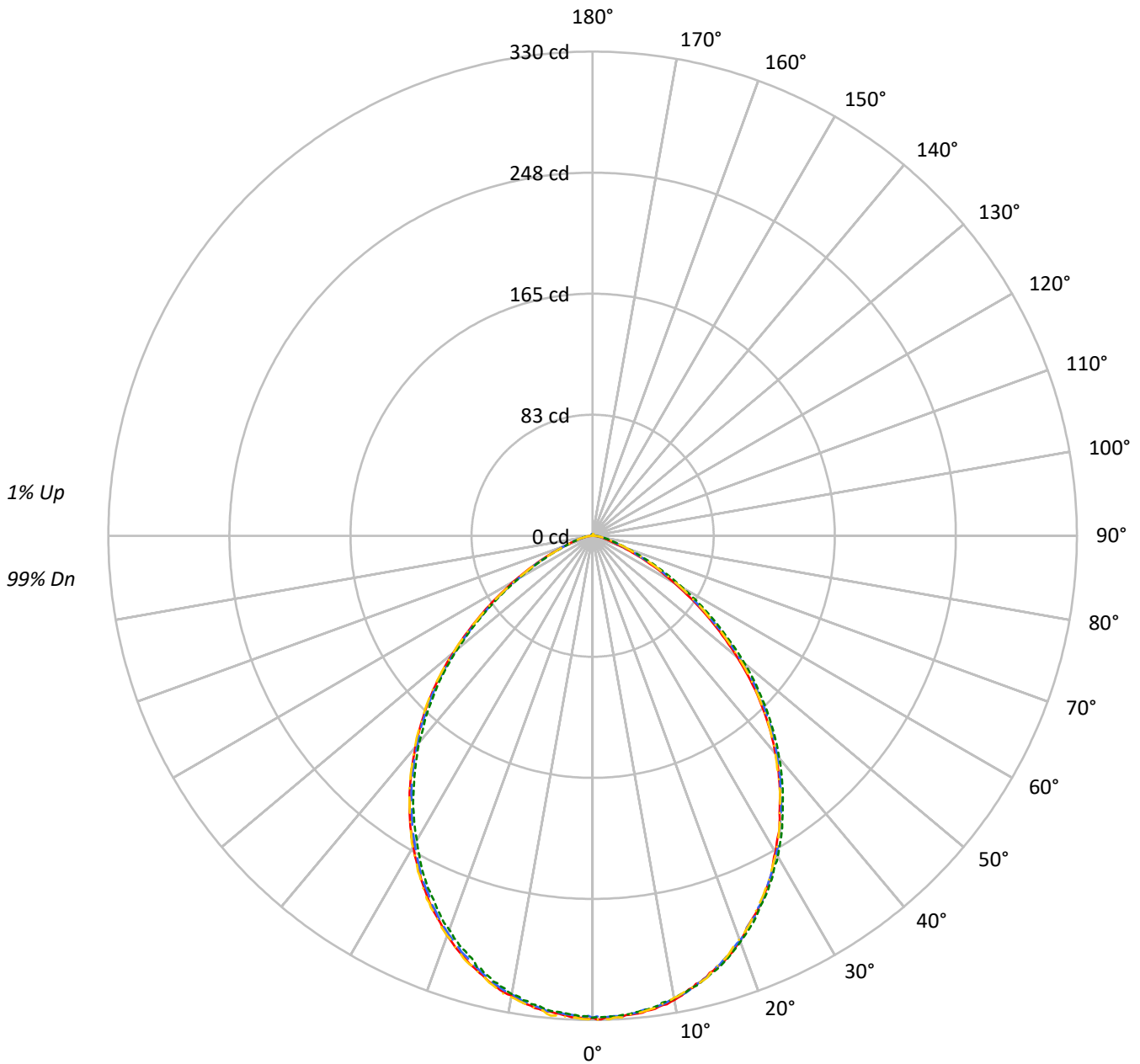
Lumens per Lamp: N/A
Luminaire Lumens: 645.4 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.21
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.80765
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				20				20	
RC	80				70				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				99
1	111	107	104	100	108	105	102	99	100	98	96	97	95	93	93	91	90	88				88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77				77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47				47
7	71	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34				34
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	43	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41343	41343	41343	41343
5°	41330	41194	41153	41075
10°	41067	40939	40658	40543
15°	40183	40326	39901	39664
20°	39365	39436	38821	38271
25°	38016	38173	37306	36817
30°	36197	36684	35513	34811
35°	34182	34684	33409	32664
40°	31865	32514	30843	30202
45°	28918	29829	27936	27192
50°	25196	26443	24242	23518
55°	20883	22341	19971	19146
60°	16195	17935	15472	14523
65°	11562	13407	11244	10340
70°	7167	9234	7310	7107
75°	5037	6589	5143	5287
80°	4031	5412	4016	4606
85°	2574	5637	2489	4047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	4.8
10°-20°	86.5	13.4
20°-30°	124.3	19.3
30°-40°	137.2	21.3
40°-50°	123.1	19.1
50°-60°	84.0	13.0
60°-70°	39.6	6.1
70°-80°	13.1	2.0
80°-90°	3.2	0.5
90°-100°	0.4	0.1
100°-110°	0.4	0.1
110°-120°	0.4	0.1
120°-130°	0.4	0.1
130°-140°	0.5	0.1
140°-150°	0.6	0.1
150°-160°	0.5	0.1
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	241.7	37.5
0°-40°	378.9	58.7
0°-60°	586.0	90.8
0°-90°	641.8	99.4
90°-120°	1.2	0.2
90°-150°	2.7	0.4
90°-180°	4.0	0.6
0°-180°	645.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	329	329	329	329	329	
5°	327	326	326	325	327	31
15°	308	310	306	304	308	87
25°	274	275	269	265	274	126
35°	222	226	217	213	222	139
45°	162	168	157	153	162	125
55°	95	102	91	87	95	85
65°	39	45	38	35	39	39
75°	10	14	11	11	10	12
85°	2	4	2	3	2	2
90°	0	1	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	1	1	0	0	0
135°	0	1	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	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°	328.5	328.5	328.5	328.5	328.5	328.5	328.5	328.5	328.5	328.5	328.5
0.5°	329.6	328.9	327.6	328.1	328.2	330.2	330.0	327.7	329.5	329.0	327.2
1°	329.6	328.9	328.2	327.8	328.1	330.3	329.5	327.8	328.7	328.9	327.8
1.5°	328.6	329.0	328.2	327.8	328.0	329.9	329.5	327.8	328.7	328.6	327.5
2°	328.3	329.0	328.0	327.8	327.7	329.2	329.9	327.7	328.5	328.3	327.5
2.5°	328.3	328.8	327.8	327.5	328.0	329.4	328.8	327.5	328.4	327.8	326.8
3°	328.6	328.1	327.8	327.5	327.8	329.1	328.5	327.2	327.7	327.8	326.7
3.5°	328.4	328.2	328.1	326.6	327.4	327.7	328.9	326.3	327.3	327.5	326.3
4°	327.5	328.1	327.7	326.6	327.1	328.1	328.6	325.9	326.5	327.3	326.0
4.5°	327.4	327.7	327.0	326.4	326.9	327.9	327.4	326.1	326.3	326.8	325.8
5°	327.2	326.9	326.7	326.0	326.1	327.9	327.1	326.1	325.8	325.5	325.4
5.5°	327.1	326.7	326.1	326.1	325.9	326.6	326.8	324.8	325.7	325.4	325.4
6°	326.8	326.2	325.2	325.5	325.1	326.5	326.2	324.3	325.4	325.0	324.2
6.5°	325.9	325.8	324.8	324.8	325.0	326.0	325.7	324.1	324.5	324.2	323.5
7°	325.6	325.2	324.0	324.1	324.4	325.3	325.0	323.5	324.3	323.5	322.8
7.5°	325.2	324.2	324.0	323.5	324.0	324.6	324.7	323.5	323.1	322.8	322.4
8°	324.1	323.9	323.7	322.4	323.2	324.0	323.1	322.2	322.5	321.8	321.5
8.5°	323.5	323.3	322.9	321.5	321.8	323.0	322.6	321.2	321.8	320.4	321.1
9°	323.4	322.4	322.0	320.0	321.4	322.3	321.7	320.1	320.2	319.6	319.2
9.5°	322.2	321.0	320.9	319.7	320.9	322.0	320.9	319.4	319.3	318.8	318.5
10°	321.4	320.7	320.6	319.0	320.4	321.4	319.7	318.6	318.2	317.6	317.3
10.5°	320.1	319.6	319.2	317.9	319.0	320.5	319.1	317.7	317.8	316.9	316.5
11°	319.2	319.2	318.5	317.5	318.0	319.3	318.0	316.5	316.9	315.7	315.7
11.5°	317.6	318.1	318.0	316.4	317.6	318.0	316.9	315.7	316.0	314.9	314.6
12°	316.0	316.7	316.6	315.7	316.4	317.1	315.8	314.5	314.4	313.5	313.3
12.5°	315.5	315.8	315.6	314.3	315.2	316.4	315.1	312.7	312.9	312.8	312.3
13°	313.3	315.2	314.2	312.6	314.7	315.0	314.2	311.8	312.2	311.8	310.9
13.5°	313.2	313.2	312.8	312.7	313.5	313.3	313.2	310.2	310.7	310.0	309.3
14°	311.6	311.7	311.8	311.2	312.0	312.7	312.1	309.1	308.8	308.5	307.9
14.5°	310.5	311.3	310.6	309.6	311.1	311.3	311.3	307.8	307.9	307.1	306.4
15°	308.4	310.3	309.1	308.4	309.5	310.3	308.9	306.0	306.3	305.9	304.8
15.5°	307.8	308.2	307.6	306.4	308.4	308.6	307.6	305.7	305.0	304.2	303.3
16°	306.1	306.5	305.8	305.9	307.5	307.7	305.9	304.6	303.8	302.8	302.0
16.5°	305.1	305.1	304.9	303.7	306.1	306.0	304.2	302.7	301.9	301.3	300.0
17°	303.9	303.7	303.0	302.2	304.6	304.4	302.8	301.2	300.3	299.6	298.7
17.5°	302.5	302.6	301.5	300.4	303.2	302.4	301.7	299.0	298.7	298.1	297.3
18°	300.5	300.7	299.8	299.2	301.3	301.5	300.1	296.7	297.0	296.7	295.1
18.5°	299.6	298.8	298.3	297.5	299.7	299.8	297.8	295.2	295.5	294.8	293.4
19°	297.5	297.5	296.6	295.5	298.0	297.9	295.7	293.8	293.5	293.1	291.7
19.5°	295.6	295.0	294.7	294.8	296.4	296.3	293.6	292.5	291.5	291.1	290.0
20°	293.9	293.3	293.8	293.0	294.5	294.6	292.8	290.5	289.9	289.1	288.4
20.5°	292.0	292.0	291.7	291.0	292.7	292.5	290.7	288.5	287.9	287.0	286.3
21°	289.9	290.0	289.9	288.6	291.0	290.6	289.3	286.2	285.6	285.1	284.6



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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°	283.2	283.8	283.7	283.6	285.5	284.8	283.4	280.5	279.6	279.2	278.2
23°	281.6	282.7	282.4	280.9	283.5	282.8	281.4	278.0	277.7	277.0	276.1
23.5°	280.0	280.0	280.3	279.5	281.3	280.6	279.0	276.2	275.4	274.9	274.2
24°	277.7	278.1	277.4	277.3	279.0	278.8	277.2	274.2	273.4	272.3	272.2
24.5°	276.0	275.8	276.0	274.6	276.6	277.0	274.9	272.4	271.1	270.1	269.0
25°	273.8	274.0	273.8	273.4	274.9	275.1	272.8	270.7	268.7	268.0	267.1
25.5°	271.5	272.1	271.1	270.7	272.9	272.7	270.7	268.5	266.5	265.9	265.0
26°	269.0	269.2	268.7	268.3	271.0	270.5	268.3	266.1	264.0	263.2	262.7
26.5°	266.7	267.1	266.8	266.3	268.7	268.0	266.3	263.2	261.8	261.2	260.2
27°	264.8	265.0	264.3	264.0	266.1	265.8	264.2	260.7	259.2	258.5	257.9
27.5°	262.3	262.2	262.4	261.7	264.2	263.4	261.3	258.3	256.8	255.9	255.4
28°	260.3	260.5	259.8	259.3	261.8	261.2	259.1	255.9	254.3	253.1	253.0
28.5°	257.0	257.5	257.4	256.9	259.0	258.6	256.8	253.6	252.0	250.9	250.1
29°	253.9	255.1	255.1	254.6	256.4	256.1	254.5	251.1	249.7	248.3	247.5
29.5°	251.1	252.6	252.7	252.2	254.8	253.6	252.2	248.8	246.9	245.8	244.9
30°	249.1	250.1	250.3	250.1	252.4	251.3	249.8	246.2	244.4	243.1	242.5
30.5°	246.4	247.9	248.0	247.6	249.8	248.7	247.3	243.7	241.8	240.7	239.9
31°	243.8	245.2	245.4	245.2	247.2	246.4	244.3	241.0	239.6	237.7	237.3
31.5°	241.2	242.7	242.7	242.1	244.8	244.0	242.0	238.4	236.7	234.9	234.8
32°	239.2	239.7	240.1	239.9	242.2	241.1	239.8	236.1	234.2	232.4	232.0
32.5°	236.9	237.8	237.3	237.6	239.8	238.4	236.8	233.3	231.4	229.5	229.1
33°	234.0	234.8	234.6	234.7	237.1	235.9	234.0	230.4	228.7	226.8	226.4
33.5°	230.9	231.8	232.1	231.6	234.1	233.6	230.7	227.4	225.9	224.3	223.7
34°	227.8	229.4	229.4	229.1	231.5	231.1	227.9	224.3	223.0	221.6	221.0
34.5°	225.2	226.6	226.7	226.7	228.7	228.3	225.5	221.6	220.0	218.9	218.1
35°	222.5	223.8	224.1	223.7	225.8	225.5	222.8	219.2	217.5	216.2	215.4
35.5°	219.8	221.0	221.0	220.8	223.2	222.6	219.9	216.5	214.7	213.2	212.5
36°	217.2	218.3	218.1	218.2	220.6	219.9	217.4	213.7	211.7	210.5	209.6
36.5°	214.3	215.6	215.4	215.6	217.7	217.0	214.5	210.7	208.7	207.6	206.9
37°	211.6	212.9	212.6	213.0	215.3	214.1	211.4	207.6	205.7	204.6	204.1
37.5°	208.5	209.7	210.0	210.3	212.3	211.0	208.3	204.3	203.0	201.3	201.0
38°	205.9	206.9	207.2	207.3	209.4	208.1	205.3	201.4	200.0	198.4	198.1
38.5°	203.0	203.9	204.1	204.3	206.7	205.3	202.1	198.5	196.8	195.3	195.0
39°	199.9	201.2	201.4	201.6	203.8	202.2	199.4	195.8	193.9	192.5	192.0
39.5°	196.9	198.7	198.5	198.7	201.1	199.2	196.6	192.8	190.7	189.7	189.0
40°	194.0	195.6	195.6	195.7	197.9	196.4	194.0	190.1	187.7	186.5	185.9
40.5°	190.8	192.6	192.8	192.7	195.1	193.4	191.4	187.1	184.8	183.6	183.2
41°	187.9	189.4	189.7	189.9	192.1	190.5	188.2	184.4	182.0	180.7	180.3
41.5°	184.8	186.4	187.0	187.0	189.0	187.5	185.0	181.4	178.9	177.8	177.3
42°	181.7	183.2	184.1	183.9	185.9	184.7	181.9	178.4	175.7	174.7	174.2
42.5°	178.6	180.1	180.9	181.0	183.1	181.8	179.0	175.3	172.6	171.5	171.0
43°	175.5	177.1	177.8	177.9	180.0	178.9	176.0	172.1	169.5	168.3	167.8
43.5°	172.2	174.1	174.6	174.8	176.8	175.8	172.6	169.0	166.6	165.1	164.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	162.5	164.7	165.2	165.5	167.6	166.6	163.3	159.5	157.0	155.7	155.5
45.5°	159.3	161.5	162.1	162.5	164.3	163.3	160.1	156.3	153.8	152.6	152.2
46°	156.0	158.0	158.9	159.5	161.0	160.2	157.0	153.0	150.6	149.4	149.1
46.5°	152.7	154.8	155.7	156.4	157.9	157.0	153.9	149.7	147.4	146.0	145.9
47°	149.4	151.4	152.6	153.2	154.6	153.8	150.7	146.4	144.1	142.8	142.5
47.5°	145.7	148.0	149.3	150.1	151.5	150.4	147.4	143.1	140.9	139.5	139.1
48°	142.4	144.5	145.8	146.9	148.4	147.3	144.1	140.0	137.4	136.3	135.6
48.5°	138.9	141.1	142.3	143.5	145.1	144.1	140.8	136.9	134.2	133.0	132.2
49°	135.7	137.8	138.9	139.9	141.8	140.9	137.5	133.5	130.9	129.6	128.9
49.5°	132.0	134.2	135.4	136.6	138.4	137.4	134.2	130.2	127.3	126.2	125.5
50°	128.7	130.6	131.8	133.1	135.1	134.0	130.6	126.8	123.8	122.4	121.9
50.5°	125.3	127.1	128.3	129.6	131.7	130.5	127.2	123.3	120.5	119.1	118.4
51°	121.8	123.9	124.8	126.2	128.5	127.1	123.9	120.1	117.2	115.7	114.9
51.5°	118.3	120.5	121.4	122.7	124.9	123.8	120.7	116.9	113.9	112.2	111.5
52°	114.9	117.1	118.0	119.2	121.4	120.3	117.3	113.5	110.5	108.6	108.0
52.5°	111.5	113.8	114.5	115.8	118.2	116.9	114.0	110.0	107.0	105.3	104.7
53°	108.4	110.3	111.2	112.4	114.6	113.6	110.7	106.9	103.8	102.0	101.3
53.5°	104.9	106.9	107.9	109.1	111.4	110.4	107.4	103.6	100.5	98.6	97.9
54°	101.7	103.5	104.4	105.6	108.2	107.1	104.1	100.3	97.2	95.4	94.7
54.5°	98.2	100.1	101.2	102.1	104.9	103.8	101.0	97.1	94.1	92.2	91.7
55°	95.2	96.8	97.9	98.9	101.8	100.5	97.9	94.1	91.0	89.2	88.5
55.5°	91.9	93.6	94.8	95.7	98.6	97.3	94.6	91.0	88.1	86.2	85.4
56°	88.7	90.4	91.6	92.5	95.4	94.2	91.5	87.8	84.8	82.9	82.2
56.5°	85.5	87.3	88.5	89.4	92.3	91.1	88.6	84.9	81.7	79.9	79.1
57°	82.5	84.1	85.3	86.2	89.2	88.0	85.9	81.7	78.6	76.8	76.1
57.5°	79.3	81.0	82.1	83.0	86.2	85.1	82.6	78.7	75.7	73.8	73.0
58°	76.2	77.9	79.1	80.1	83.2	82.1	79.7	75.6	72.8	70.8	70.0
58.5°	73.1	74.8	76.3	77.1	80.1	79.1	76.6	72.7	70.0	67.9	67.2
59°	70.1	71.9	73.3	74.0	77.1	76.0	73.7	69.9	66.9	65.0	64.5
59.5°	67.2	68.9	70.4	71.2	74.2	73.2	70.7	67.2	64.2	62.1	61.7
60°	64.3	66.2	67.5	68.4	71.3	70.4	68.0	64.4	61.5	59.6	58.9
60.5°	61.4	63.5	64.8	65.4	68.3	67.5	65.1	61.5	58.8	56.9	56.2
61°	58.6	60.7	61.8	63.0	65.5	64.7	62.4	58.8	56.1	54.3	53.9
61.5°	56.2	57.8	59.3	60.2	62.7	61.9	59.8	56.3	53.6	52.0	51.4
62°	53.4	55.2	56.7	57.5	60.2	59.2	57.2	53.8	51.2	49.6	49.0
62.5°	50.8	52.6	54.2	55.0	57.4	56.7	54.6	51.4	48.8	47.2	46.7
63°	48.4	50.1	51.6	52.6	54.8	54.1	52.1	48.8	46.4	44.9	44.3
63.5°	45.9	47.6	48.9	50.0	52.4	51.7	49.7	46.6	44.1	42.7	42.1
64°	43.5	45.1	46.5	47.6	49.8	49.2	47.3	44.4	41.9	40.6	40.0
64.5°	41.1	42.7	44.2	45.3	47.4	46.9	44.9	42.2	39.7	38.5	37.9
65°	38.8	40.5	42.0	43.0	45.0	44.4	42.6	40.0	37.8	36.5	35.9
65.5°	36.6	38.3	39.7	40.6	42.7	42.2	40.5	37.9	35.5	34.6	33.9
66°	34.3	36.1	37.4	38.5	40.3	39.9	38.3	36.0	33.3	32.7	32.2



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	27.6	30.2	31.4	32.3	34.0	33.8	32.5	30.1	27.4	27.6	27.1
68°	25.7	28.2	29.5	30.4	32.1	32.1	30.7	28.3	25.6	26.1	25.5
68.5°	23.9	26.5	27.8	28.7	30.2	30.1	29.0	26.7	24.0	24.5	24.1
69°	22.2	24.8	26.0	27.0	28.4	28.4	27.3	25.1	22.3	23.2	22.7
69.5°	20.8	23.1	24.5	25.4	26.8	26.7	25.7	23.6	21.1	21.6	21.5
70°	19.5	22.0	23.0	23.9	25.1	25.2	24.3	22.1	19.9	20.4	20.4
70.5°	18.1	20.4	21.8	22.4	23.6	23.7	22.9	21.0	18.5	19.2	19.2
71°	16.9	19.1	20.5	21.3	22.2	22.3	21.6	19.7	17.4	18.0	18.1
71.5°	15.9	17.9	19.2	20.0	21.0	21.1	20.5	18.5	16.3	16.8	17.1
72°	14.8	16.8	18.0	18.9	19.8	19.9	19.3	17.4	15.2	15.9	16.1
72.5°	14.0	15.8	17.0	17.6	18.5	18.6	18.2	16.3	14.3	15.1	15.1
73°	13.1	14.8	16.0	16.6	17.4	17.6	17.1	15.3	13.4	13.9	14.2
73.5°	12.4	13.9	15.1	15.8	16.2	16.5	16.1	14.3	12.7	13.0	13.4
74°	11.7	13.1	14.2	14.7	15.2	15.5	15.1	13.4	11.9	12.3	12.8
74.5°	11.0	12.4	13.4	13.9	14.3	14.5	14.2	12.8	11.2	11.6	12.0
75°	10.4	11.7	12.7	13.1	13.6	14.0	13.3	11.9	10.6	11.1	11.2
75.5°	9.7	11.0	12.0	12.5	12.7	12.9	12.6	11.2	9.9	10.2	11.0
76°	9.1	10.4	11.5	11.8	11.9	12.2	11.9	10.6	9.2	9.7	9.9
76.5°	8.6	9.8	10.7	11.1	11.2	11.4	11.1	9.9	8.8	8.9	9.4
77°	8.1	9.2	10.1	10.6	10.8	10.9	10.4	9.3	8.1	8.4	8.8
77.5°	7.6	8.7	9.6	9.9	10.0	10.2	9.9	8.8	7.8	8.0	8.3
78°	7.2	8.2	9.1	9.5	9.4	9.9	9.3	8.1	7.2	7.4	7.9
78.5°	6.8	7.8	8.6	9.0	8.8	8.9	8.8	7.8	7.1	7.2	7.3
79°	6.4	7.4	8.2	8.5	8.3	8.5	8.2	7.1	6.5	6.8	7.1
79.5°	6.0	6.8	7.7	8.0	7.9	8.0	7.8	6.7	5.9	6.0	6.9
80°	5.6	6.4	7.3	7.6	7.5	7.9	7.2	6.2	5.5	5.8	6.0
80.5°	5.1	6.0	6.9	7.2	7.0	7.0	6.8	5.8	5.0	5.1	5.8
81°	4.7	5.5	6.5	6.8	6.9	7.0	6.4	5.3	4.8	4.8	5.3
81.5°	4.3	5.2	6.0	6.5	6.2	6.3	5.9	5.0	4.2	4.3	4.9
82°	4.0	4.8	5.7	6.1	5.8	6.0	5.7	4.8	4.0	3.9	4.9
82.5°	3.6	4.5	5.4	5.7	5.5	6.0	5.1	4.1	3.6	3.8	4.1
83°	3.2	4.0	5.0	5.4	5.0	5.1	4.9	3.9	3.1	3.1	3.8
83.5°	2.8	3.7	4.6	5.0	4.8	4.9	4.7	3.4	3.0	3.1	3.6
84°	2.4	3.3	4.3	4.6	4.5	4.7	4.1	2.9	2.5	2.8	3.2
84.5°	2.0	2.9	3.9	4.3	4.0	4.1	3.8	2.7	1.8	2.0	3.0
85°	1.8	2.6	3.5	4.0	3.9	3.9	3.4	2.3	1.7	1.8	2.9
85.5°	1.4	2.3	3.3	3.6	3.4	3.7	3.0	1.9	1.2	1.6	2.2
86°	1.1	2.0	2.9	3.4	3.0	3.0	2.7	1.7	0.8	1.1	1.8
86.5°	1.1	1.8	2.6	2.9	3.0	2.9	2.4	1.3	0.8	0.9	1.7
87°	0.9	1.6	2.2	2.5	2.4	2.5	2.1	1.1	0.7	0.8	1.2
87.5°	0.8	1.4	2.0	2.3	2.0	2.2	1.7	0.8	0.3	0.8	0.9
88°	0.6	1.2	1.7	2.0	1.8	2.0	1.5	0.8	0.3	0.5	0.7
88.5°	0.6	0.9	1.3	1.5	1.6	1.9	1.2	0.7	0.3	0.4	0.4



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.4	0.4	0.5	0.6	0.7	0.6	0.4	0.3	0.3	0.3	0.3
90.5°	0.4	0.4	0.4	0.5	0.3	0.4	0.4	0.3	0.3	0.3	0.3
91°	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3
91.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
92°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
92.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
93°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
93.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
94°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
94.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
95°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
95.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
97°	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
97.5°	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
98°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4
98.5°	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4
99°	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4
99.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.4
100°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.4
100.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.4
101°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.4
101.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.4
102°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
102.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
103°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
103.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
104°	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
104.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4
105°	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
105.5°	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
106°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
106.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
107°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
107.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
108°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
108.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
109°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
109.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
110°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5
110.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4
111°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
158°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
158.5°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
159°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
159.5°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
160°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
160.5°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
161°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
161.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
162°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
162.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
163°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
163.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
164°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
164.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
165°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
165.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
166°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
166.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
167°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
167.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
168°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
168.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
169°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
169.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
170°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
170.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
171°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
171.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
172°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
172.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
173°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
173.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
174°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
174.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
175°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
175.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
176°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
176.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
177°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
177.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
178°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
178.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	328.5	328.5	328.5	328.5	328.5	328.5
0.5°	327.8	327.5	329.8	329.6	328.1	329.6
1°	327.5	327.5	329.1	329.5	327.9	329.6
1.5°	327.5	327.6	328.8	329.2	327.9	328.6
2°	327.4	326.9	329.3	328.6	328.3	328.3
2.5°	327.3	326.8	327.7	328.6	328.6	328.3
3°	327.2	326.2	328.3	328.8	326.9	328.6
3.5°	327.1	325.9	328.0	327.8	326.8	328.4
4°	326.5	325.5	327.5	327.9	326.4	327.5
4.5°	325.9	325.3	326.9	328.1	326.5	327.4
5°	325.0	325.1	325.8	328.3	326.1	327.2
5.5°	324.6	324.5	325.6	327.2	325.2	327.1
6°	324.7	323.6	325.4	325.2	325.4	326.8
6.5°	323.8	322.5	323.7	325.4	325.0	325.9
7°	323.3	322.1	323.6	324.1	324.4	325.6
7.5°	322.7	321.8	323.4	323.4	323.1	325.2
8°	321.8	320.3	322.5	322.8	322.2	324.1
8.5°	320.9	320.1	321.3	321.8	321.7	323.5
9°	319.4	318.4	320.6	321.1	321.0	323.4
9.5°	318.6	317.6	319.4	320.1	319.7	322.2
10°	317.5	317.3	318.6	319.2	318.5	321.4
10.5°	316.0	316.1	316.8	317.8	317.9	320.1
11°	315.6	314.2	316.5	318.1	317.1	319.2
11.5°	314.8	313.6	315.1	317.4	316.5	317.6
12°	313.2	311.8	313.5	315.2	314.9	316.0
12.5°	311.9	311.3	313.1	313.8	313.5	315.5
13°	311.1	309.4	311.6	312.6	313.0	313.3
13.5°	309.9	308.1	309.0	310.9	311.6	313.2
14°	308.4	306.6	307.9	308.9	310.4	311.6
14.5°	306.3	304.5	306.7	307.6	309.5	310.5
15°	305.3	304.4	305.6	307.0	307.2	308.4
15.5°	304.4	301.5	304.1	304.5	305.6	307.8
16°	303.2	299.3	302.6	304.0	304.8	306.1
16.5°	301.0	298.2	301.3	302.6	303.5	305.1
17°	299.9	296.3	300.2	301.2	301.7	303.9
17.5°	298.0	295.0	298.1	299.0	300.3	302.5
18°	295.8	293.6	296.3	298.0	298.6	300.5
18.5°	294.3	291.5	294.4	295.5	296.9	299.6
19°	292.2	290.0	292.3	292.9	295.0	297.5
19.5°	290.8	287.4	290.0	291.5	292.6	295.6
20°	288.7	285.8	288.1	290.0	291.3	293.9
20.5°	286.7	284.1	286.2	288.2	289.3	292.0
21°	284.4	282.7	284.1	286.4	287.4	289.9



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	278.6	275.8	278.5	280.6	281.8	283.2
23°	276.0	273.5	276.3	278.1	279.4	281.6
23.5°	274.1	271.1	274.2	276.4	277.5	280.0
24°	272.0	269.1	272.1	273.8	275.1	277.7
24.5°	269.9	266.9	269.6	272.3	272.9	276.0
25°	267.4	265.1	267.6	269.7	270.7	273.8
25.5°	265.2	262.7	264.7	267.5	268.1	271.5
26°	262.9	260.4	262.6	264.8	266.0	269.0
26.5°	260.6	258.1	260.3	262.2	263.3	266.7
27°	258.1	255.7	257.7	259.7	260.8	264.8
27.5°	255.7	253.1	255.7	258.0	258.3	262.3
28°	253.1	250.5	253.4	254.9	256.2	260.3
28.5°	250.5	247.7	250.5	252.3	254.0	257.0
29°	248.2	245.2	247.5	249.6	251.3	253.9
29.5°	245.6	242.5	244.6	247.5	249.0	251.1
30°	243.0	239.6	241.8	245.0	246.7	249.1
30.5°	240.4	237.1	240.4	242.8	244.1	246.4
31°	237.5	234.7	237.5	239.8	241.7	243.8
31.5°	234.9	232.1	234.5	236.9	238.8	241.2
32°	232.4	229.5	231.8	234.2	236.2	239.2
32.5°	229.6	226.5	229.2	231.3	233.6	236.9
33°	226.8	223.9	226.6	228.4	230.9	234.0
33.5°	224.4	221.6	223.6	225.8	227.9	230.9
34°	221.6	218.8	220.9	223.2	225.0	227.8
34.5°	219.1	215.8	218.2	220.3	222.4	225.2
35°	216.1	212.6	215.7	217.7	219.7	222.5
35.5°	213.2	209.6	212.7	215.0	216.7	219.8
36°	210.4	206.9	209.9	212.2	213.7	217.2
36.5°	207.5	204.1	206.9	209.5	210.8	214.3
37°	204.7	201.1	203.8	206.5	208.1	211.6
37.5°	201.7	198.2	200.9	203.3	205.2	208.5
38°	198.5	195.4	197.9	200.3	202.3	205.9
38.5°	195.5	192.3	195.1	197.2	199.1	203.0
39°	192.6	189.7	192.0	194.1	196.2	199.9
39.5°	189.7	186.8	189.1	191.4	193.3	196.9
40°	186.6	183.8	186.1	188.5	190.3	194.0
40.5°	183.7	180.6	183.1	185.6	187.2	190.8
41°	180.5	177.0	180.0	182.8	184.2	187.9
41.5°	177.5	173.8	177.0	179.7	181.2	184.8
42°	174.4	171.3	174.0	176.5	178.1	181.7
42.5°	171.7	168.6	171.0	173.3	175.3	178.6
43°	168.6	165.5	167.8	170.3	172.1	175.5
43.5°	165.4	162.1	164.6	167.1	169.1	172.2



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	155.9	152.8	154.9	157.9	159.6	162.5
45.5°	152.7	149.6	151.8	154.7	156.3	159.3
46°	149.5	146.8	148.7	151.6	153.1	156.0
46.5°	146.2	143.8	145.8	148.4	150.0	152.7
47°	142.9	140.5	142.0	145.0	146.7	149.4
47.5°	139.4	137.1	138.9	141.3	143.5	145.7
48°	136.1	133.7	135.4	137.9	140.2	142.4
48.5°	132.7	130.4	131.8	134.5	136.4	138.9
49°	129.2	127.1	128.2	131.0	132.7	135.7
49.5°	125.6	123.7	125.2	127.3	129.0	132.0
50°	122.0	120.1	121.9	123.9	125.6	128.7
50.5°	118.5	116.6	118.6	120.5	122.2	125.3
51°	115.1	113.1	115.1	117.4	119.0	121.8
51.5°	111.7	109.9	111.8	113.9	115.7	118.3
52°	108.4	106.8	108.3	110.5	112.4	114.9
52.5°	104.9	103.5	105.0	107.2	109.0	111.5
53°	101.4	100.4	101.8	103.9	105.6	108.4
53.5°	98.3	97.0	98.6	100.6	102.3	104.9
54°	95.0	93.7	95.3	97.1	98.9	101.7
54.5°	91.9	90.5	92.0	93.8	95.7	98.2
55°	88.8	87.3	88.8	90.6	92.6	95.2
55.5°	85.8	84.2	85.6	87.3	89.4	91.9
56°	82.5	81.2	82.5	84.2	86.1	88.7
56.5°	79.4	78.2	79.3	80.9	82.9	85.5
57°	76.3	75.3	76.2	77.8	79.8	82.5
57.5°	73.3	72.1	73.1	74.8	76.6	79.3
58°	70.3	69.1	70.0	71.7	73.5	76.2
58.5°	67.5	66.3	67.0	68.8	70.6	73.1
59°	64.6	63.4	64.3	65.6	67.7	70.1
59.5°	61.9	60.6	61.3	62.7	64.8	67.2
60°	59.1	57.7	58.6	60.0	61.8	64.3
60.5°	56.4	55.3	56.1	57.3	59.0	61.4
61°	54.0	52.7	53.4	54.6	56.3	58.6
61.5°	51.5	50.1	50.9	52.1	53.9	56.2
62°	49.0	47.7	48.4	49.6	51.2	53.4
62.5°	46.6	45.3	46.0	47.2	48.7	50.8
63°	44.2	43.1	43.6	44.7	46.1	48.4
63.5°	42.0	40.9	41.3	42.4	43.7	45.9
64°	39.8	38.8	39.2	40.2	41.4	43.5
64.5°	37.8	36.7	37.1	38.0	39.2	41.1
65°	35.8	34.7	35.0	35.8	37.0	38.8
65.5°	33.9	32.8	33.1	33.8	34.9	36.6
66°	32.0	31.0	31.2	31.8	32.9	34.3



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	26.8	25.9	26.0	26.6	27.3	27.6
68°	25.2	24.4	24.5	25.0	25.5	25.7
68.5°	23.7	23.0	23.0	23.5	23.9	23.9
69°	22.4	21.8	21.8	22.2	22.3	22.2
69.5°	21.2	20.6	20.6	20.9	21.0	20.8
70°	20.0	19.3	19.4	19.6	19.6	19.5
70.5°	18.9	18.3	18.2	18.5	18.3	18.1
71°	17.6	17.2	17.1	17.4	17.0	16.9
71.5°	16.6	16.2	16.1	16.4	15.9	15.9
72°	15.6	15.2	15.2	15.3	14.9	14.8
72.5°	15.0	14.5	14.3	14.5	14.0	14.0
73°	13.9	13.6	13.6	13.6	13.1	13.1
73.5°	13.0	12.9	12.7	12.9	12.3	12.4
74°	12.3	12.1	12.0	12.1	11.6	11.7
74.5°	11.6	11.5	11.5	11.5	10.9	11.0
75°	11.2	10.9	10.8	10.8	10.2	10.4
75.5°	10.2	10.4	10.3	10.2	9.6	9.7
76°	9.8	9.7	9.7	9.6	9.1	9.1
76.5°	9.1	9.2	9.2	9.1	8.5	8.6
77°	8.7	8.8	8.7	8.6	8.0	8.1
77.5°	8.1	8.4	8.3	8.1	7.5	7.6
78°	7.7	7.8	7.8	7.6	7.0	7.2
78.5°	7.2	7.4	7.5	7.1	6.6	6.8
79°	7.2	7.1	7.0	6.7	6.2	6.4
79.5°	6.9	6.7	6.6	6.3	5.8	6.0
80°	6.0	6.4	6.2	5.9	5.5	5.6
80.5°	5.9	5.9	5.9	5.6	5.0	5.1
81°	5.3	5.5	5.5	5.3	4.6	4.7
81.5°	5.0	5.2	5.2	4.8	4.1	4.3
82°	4.9	4.9	4.8	4.4	3.8	4.0
82.5°	4.2	4.5	4.5	4.0	3.4	3.6
83°	3.9	4.2	4.1	3.7	3.0	3.2
83.5°	3.8	3.7	3.7	3.3	2.6	2.8
84°	3.2	3.4	3.4	3.0	2.2	2.4
84.5°	3.2	3.1	3.1	2.7	2.0	2.0
85°	3.1	2.8	2.7	2.4	1.7	1.8
85.5°	2.4	2.4	2.4	2.1	1.5	1.4
86°	1.9	2.3	2.1	1.9	1.3	1.1
86.5°	1.7	1.8	1.8	1.6	1.2	1.1
87°	1.2	1.5	1.4	1.3	0.9	0.9
87.5°	0.8	1.2	1.1	1.1	0.8	0.8
88°	0.7	0.9	0.8	0.9	0.8	0.6
88.5°	0.4	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.9	0.4	0.4	0.4	0.5	0.4
135.5°	0.9	0.4	0.5	0.4	0.5	0.5
136°	0.8	0.5	0.5	0.6	0.4	0.7
136.5°	0.8	0.4	0.5	0.6	0.6	0.6
137°	0.8	0.4	0.6	0.7	0.7	0.6
137.5°	0.8	0.5	0.7	0.8	0.8	0.8
138°	0.8	0.5	0.8	0.9	0.9	0.8
138.5°	0.9	0.5	0.8	0.9	0.9	0.8
139°	0.9	0.6	0.8	0.9	0.8	0.9
139.5°	0.9	0.7	1.0	0.9	1.0	1.0
140°	0.9	0.8	0.9	0.9	1.0	1.0
140.5°	0.9	0.8	0.9	1.0	0.9	1.0
141°	0.9	0.8	0.9	1.0	1.0	1.0
141.5°	0.9	0.9	0.9	1.0	1.0	1.0
142°	0.9	0.9	0.9	1.0	1.0	1.0
142.5°	0.9	0.8	1.0	1.0	1.0	1.0
143°	1.0	0.8	1.0	1.0	1.0	1.0
143.5°	1.0	0.8	1.0	1.0	1.0	1.0
144°	1.0	0.8	1.1	1.0	1.0	1.0
144.5°	1.0	0.9	1.0	1.0	1.0	1.0
145°	1.0	0.9	1.0	1.0	1.0	1.0
145.5°	1.0	0.9	1.0	1.0	1.0	1.0
146°	1.0	0.9	1.0	1.0	1.0	1.0
146.5°	1.0	0.9	1.0	1.0	1.0	1.0
147°	1.0	0.9	1.0	1.0	1.0	1.0
147.5°	1.0	0.9	1.0	1.0	1.0	1.0
148°	1.0	0.9	1.0	1.0	1.0	1.0
148.5°	1.0	0.9	1.0	1.0	1.0	1.0
149°	1.0	0.9	1.0	1.0	1.0	1.0
149.5°	1.0	0.9	1.0	1.0	1.0	1.0
150°	1.0	0.9	1.0	1.0	1.0	1.0
150.5°	1.0	0.9	1.0	1.0	1.0	1.0
151°	1.0	0.9	1.0	1.0	1.0	1.0
151.5°	1.0	0.9	1.0	1.0	1.0	1.0
152°	1.0	0.9	1.0	1.0	1.0	1.0
152.5°	1.0	0.9	1.0	1.0	1.0	1.0
153°	1.0	0.9	1.0	1.0	1.0	1.0
153.5°	1.0	0.9	1.0	1.0	1.0	1.0
154°	1.0	0.9	1.0	1.0	1.0	1.0
154.5°	1.0	0.9	1.0	1.0	1.0	1.0
155°	1.0	0.9	1.0	1.0	1.0	1.0
155.5°	1.0	0.9	1.0	1.0	1.0	1.0
156°	1.0	0.9	1.0	1.0	1.0	1.0



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654A001

CATALOG NUMBER: LT4069FS351EWHR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.0	1.0	1.0	1.0	1.0	1.0



Report Generated By E9808895 / USPTCWHP6082093





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







21.5°	286.9	288.0	287.0	286.7	289.2	288.9	287.4	284.0	283.4	283.1	282.7
22°	285.3	286.4	285.2	285.4	287.3	286.7	285.3	282.6	281.5	281.1	280.5



44°	168.9	171.0	171.5	171.7	173.8	173.0	169.5	165.7	163.3	162.0	161.7
44.5°	165.6	168.0	168.3	168.7	170.8	169.8	166.5	162.6	160.2	158.7	158.6



66.5°	31.9	34.0	35.4	36.4	38.1	37.8	36.3	34.0	31.2	31.0	30.3
67°	29.7	32.2	33.3	34.4	36.1	35.7	34.3	32.0	29.3	29.2	28.7



89°	0.5	0.8	1.1	1.3	1.0	1.0	0.8	0.4	0.3	0.4	0.3
89.5°	0.4	0.6	0.8	1.0	0.8	0.7	0.8	0.3	0.3	0.3	0.4



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



134°	0.4	0.4	0.4	0.4	0.7	0.8	0.7	0.8	0.8	0.8	0.8
134.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.7	0.8	0.8	0.8	0.8



156.5°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.1	1.0	1.0	1.1
157°	1.0	1.1	1.0	1.0	1.1	0.9	1.0	1.1	1.0	1.0	1.1



179°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
179.5°	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1





21.5°	282.9	280.5	282.2	284.0	284.9	286.9
22°	280.6	277.9	280.7	282.0	283.2	285.3



44°	162.2	159.0	161.3	164.3	166.1	168.9
44.5°	159.1	155.8	158.1	161.1	162.8	165.6



66.5°	30.1	29.1	29.3	30.0	31.0	31.9
67°	28.4	27.4	27.7	28.2	29.1	29.7



89°	0.4	0.4	0.4	0.5	0.4	0.5
89.5°	0.4	0.4	0.4	0.4	0.4	0.4



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



134°	0.8	0.4	0.4	0.4	0.4	0.4
134.5°	0.8	0.4	0.4	0.5	0.5	0.4



156.5°	1.0	0.9	1.0	1.0	1.0	1.0
157°	1.0	0.9	1.0	1.0	1.0	1.0



179°	1.0	0.9	1.0	1.0	1.0	1.0
179.5°	1.0	0.9	1.0	1.0	1.0	1.0



(END OF REPORT)