

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: A2016654C001

Luminaire Tested: **LTSS4069FS351EWHWR**

Test Date: 2020-09-18



Test Information

Test Method: LM-41-14
Report Number: A2016654C001
Test Lab: EVERFINE
Test Date: 2020-09-18
Issue Date: 2020-09-19 10:48:18
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LTSS4069FS351EWHWR
Description: LTSS4069FS351EWHWR
Light Source: -
Ballast/Driver: -

Summary

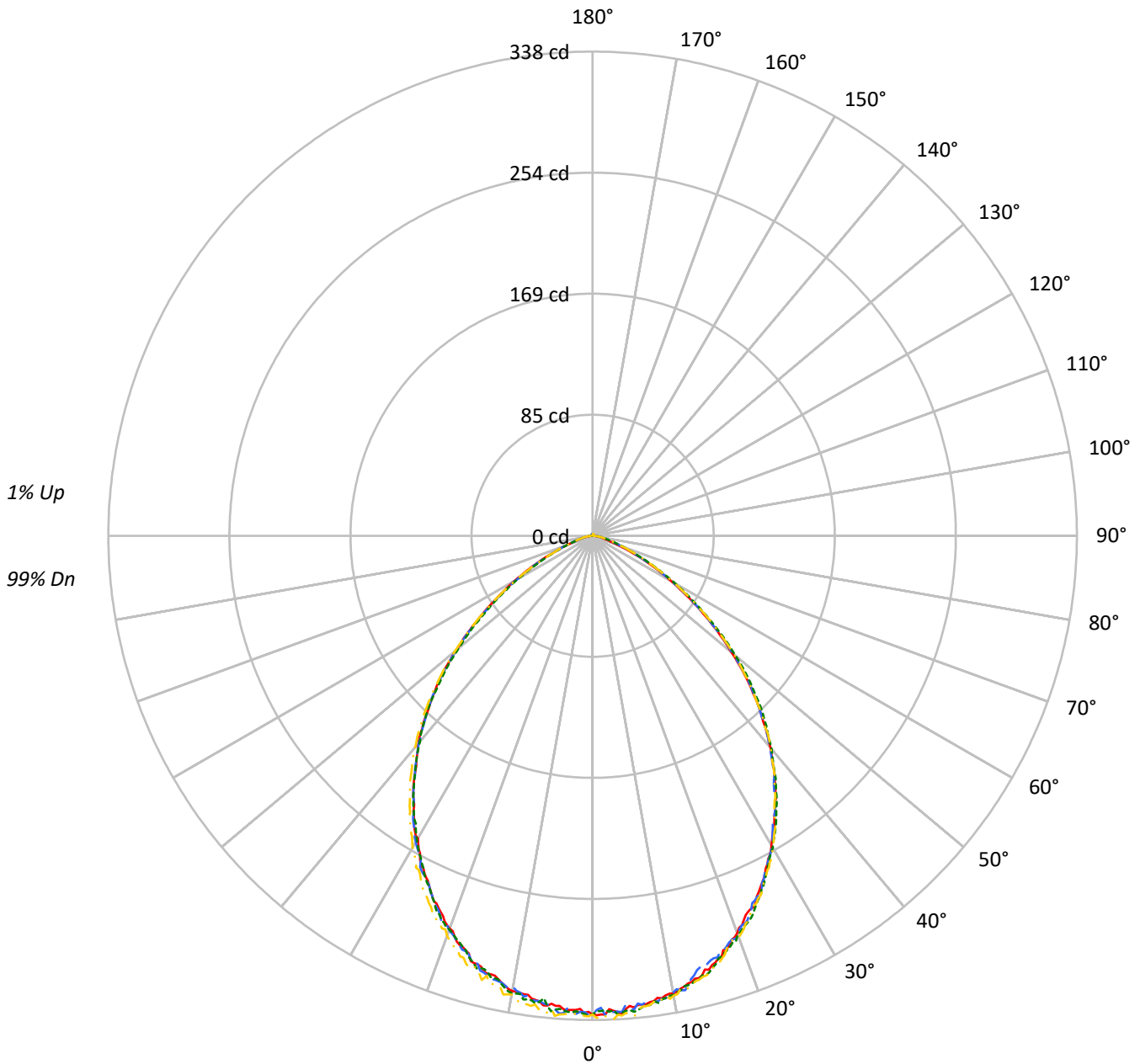
Lumens per Lamp: N/A
Luminaire Lumens: 646.2 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.94724
Input Voltage (V): NR
Input Current (A_{in}): 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	104	101	108	105	102	99	101	98	96	97	95	93	93	91	90					88															
2	103	96	90	86	100	94	89	85	91	86	83	87	84	81	84	81	79					77															
3	95	86	79	74	93	85	78	73	82	76	72	79	74	70	76	73	69					67															
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	69	65	61					59															
5	82	70	62	57	80	69	62	56	67	61	56	65	59	55	63	58	54					53															
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49					47															
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	53	48	44					42															
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	49	44	40					38															
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36					35															
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33					32															

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	42062	42062	42062	42062
5°	41765	42154	41419	42095
10°	41447	41578	41251	41436
15°	40869	41087	40356	40736
20°	39539	39654	39076	39152
25°	38105	38557	37476	37509
30°	36279	36568	35455	35632
35°	34300	34411	33526	33483
40°	31768	31947	31055	30789
45°	28606	29132	28016	27839
50°	24798	25445	24293	23837
55°	20555	21182	20173	19503
60°	15995	16692	15771	15052
65°	11327	12283	11346	10573
70°	6844	8430	6989	6989
75°	4627	5941	4637	4976
80°	3854	4964	3625	4438
85°	2273	4722	1713	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	4.9
10°-20°	87.8	13.6
20°-30°	125.8	19.5
30°-40°	137.8	21.3
40°-50°	122.8	19.0
50°-60°	83.3	12.9
60°-70°	38.8	6.0
70°-80°	12.2	1.9
80°-90°	2.9	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°	0.4	0.1
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	244.9	37.9
0°-40°	382.7	59.2
0°-60°	588.8	91.1
0°-90°	642.8	99.5
90°-120°	1.1	0.2
90°-150°	2.6	0.4
90°-180°	3.0	0.5
0°-180°	646.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	334	334	334	334	334	
5°	331	334	328	333	331	31
15°	314	315	310	313	314	88
25°	274	278	270	270	274	126
35°	223	224	218	218	223	139
45°	161	164	157	156	161	123
55°	94	97	92	89	94	84
65°	38	41	38	36	38	38
75°	10	12	10	10	10	11
85°	2	3	1	3	2	2
90°	0	0	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°	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2
0.5°	334.7	331.0	330.9	336.9	332.0	331.3	336.7	334.0	332.4	333.9	334.4
1°	334.3	332.2	329.6	334.0	331.9	331.6	334.7	333.8	333.2	335.6	332.7
1.5°	334.4	332.4	334.7	335.8	331.3	332.2	335.4	332.4	330.3	334.7	332.5
2°	330.7	332.5	332.2	334.4	332.5	331.8	336.5	333.1	331.2	335.1	334.0
2.5°	331.8	334.1	332.9	332.5	331.6	332.3	337.8	333.4	331.4	330.7	331.8
3°	332.8	331.1	332.6	334.6	334.6	330.7	334.8	331.9	331.6	331.4	329.9
3.5°	334.2	331.7	333.2	331.5	333.7	331.2	335.7	332.1	331.2	332.2	334.0
4°	331.2	331.8	328.7	332.3	332.3	331.7	333.9	333.2	329.0	332.1	334.4
4.5°	329.3	331.5	330.4	331.1	332.1	331.8	335.4	331.8	329.1	330.0	331.9
5°	330.6	330.0	332.1	333.5	333.7	333.6	336.7	332.9	327.9	330.7	329.8
5.5°	329.2	331.3	328.1	332.3	332.6	332.0	332.4	329.5	329.6	330.2	328.8
6°	329.0	332.2	329.2	333.7	330.9	330.8	330.6	328.7	329.5	330.2	328.4
6.5°	329.2	331.9	327.6	330.3	329.8	329.8	330.6	328.5	327.2	329.0	326.9
7°	328.0	328.5	329.3	331.9	330.1	328.1	329.9	327.5	326.5	327.7	327.1
7.5°	327.6	328.4	328.4	329.3	327.6	327.0	328.2	327.0	326.0	327.2	326.9
8°	325.8	328.1	327.9	328.0	329.2	329.1	329.5	327.8	323.6	328.7	324.0
8.5°	326.5	326.7	326.9	328.5	327.3	327.9	327.1	328.2	323.6	326.4	325.5
9°	324.9	324.5	326.9	325.7	326.5	327.2	325.1	325.8	323.2	324.6	322.9
9.5°	324.2	325.3	324.5	327.1	325.7	326.9	327.8	324.0	322.7	323.8	322.0
10°	324.3	325.9	323.8	326.8	325.4	326.2	326.0	323.8	322.8	325.0	319.9
10.5°	323.6	323.0	321.9	324.0	324.3	324.7	325.4	321.6	321.8	325.4	321.6
11°	322.1	322.2	323.3	323.8	323.1	322.1	322.0	319.1	320.1	323.3	320.0
11.5°	321.1	322.0	323.8	321.9	320.9	317.1	322.6	318.1	318.4	320.1	318.5
12°	319.5	320.6	320.8	321.4	320.8	314.6	322.8	318.2	316.5	317.7	317.8
12.5°	319.1	319.3	317.0	320.0	320.2	317.7	321.4	318.3	314.5	317.0	317.3
13°	317.4	317.4	315.0	317.6	318.7	315.2	319.1	315.9	314.3	316.0	317.8
13.5°	317.7	316.2	311.9	316.4	318.7	314.2	318.7	315.8	314.5	314.1	315.5
14°	316.1	314.5	310.3	314.9	316.3	313.7	317.3	314.3	313.4	313.9	314.3
14.5°	312.7	314.4	311.3	314.8	316.6	313.7	317.0	312.9	310.9	313.4	313.6
15°	313.7	313.9	309.4	313.6	315.4	313.8	316.0	311.3	309.7	313.2	309.6
15.5°	311.2	313.2	307.6	310.6	313.2	311.6	313.4	309.5	309.7	309.6	308.2
16°	310.1	309.5	306.7	311.1	311.4	308.3	311.7	308.0	308.9	309.6	307.8
16.5°	308.3	309.9	307.0	307.3	308.2	310.1	310.8	305.1	304.0	307.3	304.6
17°	307.6	307.7	303.9	306.5	307.1	307.2	308.8	305.4	302.9	305.3	303.3
17.5°	303.3	304.8	303.5	302.8	305.5	305.2	306.6	302.9	301.2	304.0	302.8
18°	303.4	303.2	301.9	302.0	304.1	302.4	303.0	301.9	300.3	301.1	300.6
18.5°	300.7	301.7	299.7	301.2	302.5	300.4	300.7	300.3	298.6	302.5	299.2
19°	298.3	301.8	298.2	299.8	300.3	300.6	298.8	297.1	295.8	297.9	296.1
19.5°	297.3	299.0	298.4	296.5	299.9	299.7	297.6	297.0	292.7	297.7	294.6
20°	295.2	296.9	295.9	296.7	296.1	296.6	298.3	296.3	291.8	290.5	292.9
20.5°	292.1	294.2	293.1	296.0	295.1	295.0	296.3	292.9	290.3	286.6	290.3
21°	291.2	292.4	291.1	293.2	292.9	293.2	294.2	290.1	288.3	286.6	288.7



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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°	283.9	287.0	285.6	283.6	289.0	286.7	286.7	282.7	281.2	282.6	282.1
23°	282.9	284.3	283.3	281.6	286.8	284.1	284.2	281.6	278.9	281.8	280.5
23.5°	282.3	280.9	279.5	279.3	283.8	278.9	281.7	278.8	278.1	279.9	279.1
24°	279.8	278.8	278.6	279.0	281.3	276.2	280.9	276.6	275.2	277.3	275.1
24.5°	276.7	275.6	276.9	275.8	278.9	276.1	278.4	275.1	272.5	275.1	273.0
25°	274.4	273.4	276.1	274.8	277.7	274.9	277.2	273.1	269.9	273.0	269.7
25.5°	271.9	272.7	274.0	272.1	273.8	270.5	275.0	270.6	266.9	271.1	267.5
26°	269.8	271.8	269.7	268.9	272.0	270.1	271.5	269.4	265.5	268.5	265.1
26.5°	267.4	267.6	267.8	267.5	269.0	268.9	268.7	266.4	263.1	267.4	264.3
27°	264.8	265.4	264.5	265.0	266.3	265.0	266.7	262.2	260.4	263.9	262.8
27.5°	261.7	263.9	262.4	261.8	263.5	261.0	263.8	260.8	259.5	258.7	260.7
28°	259.7	261.0	259.6	259.1	260.9	259.2	262.2	258.1	256.7	256.3	255.5
28.5°	256.7	258.5	257.3	257.3	258.0	257.2	259.1	257.2	252.4	253.6	254.0
29°	255.1	255.9	255.2	257.5	255.6	255.1	257.8	254.3	250.4	252.1	251.3
29.5°	252.6	253.0	252.9	255.7	253.5	255.8	254.6	249.7	247.1	249.1	249.3
30°	249.7	250.9	249.9	250.5	251.6	250.1	251.3	247.6	244.0	247.9	247.0
30.5°	246.7	248.7	247.4	246.4	248.1	246.9	248.9	244.2	243.3	244.6	244.6
31°	243.6	246.3	243.8	246.2	245.9	244.7	245.7	240.8	240.6	240.8	241.2
31.5°	240.9	243.6	240.8	242.7	243.6	242.5	242.9	239.9	238.5	237.5	238.5
32°	239.1	240.1	237.3	239.1	240.8	240.2	240.4	237.6	235.2	235.2	236.0
32.5°	236.3	236.8	235.7	235.9	238.3	234.6	237.0	235.9	232.2	232.9	233.3
33°	233.0	233.9	232.9	233.9	235.2	233.4	233.3	230.7	229.7	230.7	229.2
33.5°	230.7	231.3	230.6	228.7	232.1	229.7	230.0	228.7	225.8	227.2	226.3
34°	227.7	228.2	227.5	229.1	229.3	226.6	227.0	225.6	223.0	224.1	223.2
34.5°	224.9	224.9	224.7	226.5	226.9	223.0	224.4	224.2	221.1	221.5	220.9
35°	223.3	222.3	221.5	221.7	224.0	220.9	222.5	219.8	218.2	218.3	218.0
35.5°	219.6	219.3	218.1	220.2	220.9	218.3	219.2	216.7	215.4	214.2	215.0
36°	217.1	217.0	215.2	217.1	217.8	216.2	216.3	213.7	212.1	211.6	211.7
36.5°	214.0	214.5	212.5	211.9	214.9	214.7	213.4	210.3	209.0	209.7	208.5
37°	210.9	211.9	210.7	210.1	212.5	211.4	211.6	206.4	205.3	208.1	206.2
37.5°	208.3	208.3	207.7	207.0	208.9	207.7	208.1	204.8	202.1	205.0	203.3
38°	205.2	205.8	204.5	203.5	205.5	204.5	205.0	201.8	200.0	201.3	200.3
38.5°	201.8	202.7	201.5	200.8	202.6	201.9	201.7	199.0	196.9	197.7	197.8
39°	199.0	200.0	198.4	198.5	199.5	197.7	198.4	196.4	194.2	193.4	194.5
39.5°	195.8	197.0	195.3	195.5	196.9	195.4	195.7	193.1	191.7	190.7	191.5
40°	193.4	193.7	192.2	192.4	194.5	192.5	193.8	190.0	189.0	189.6	188.9
40.5°	189.6	190.4	189.2	189.3	191.1	189.0	190.4	186.9	186.7	186.2	184.6
41°	186.4	187.4	186.5	186.8	187.7	186.4	187.3	184.4	183.2	181.0	182.2
41.5°	183.1	184.2	183.4	181.7	184.4	184.1	184.5	181.5	179.6	178.3	178.8
42°	180.3	181.1	180.2	178.9	182.2	180.7	180.0	178.4	177.0	175.4	175.7
42.5°	176.3	178.0	176.9	176.0	179.0	177.4	177.0	174.9	173.5	173.0	172.8
43°	173.3	174.8	173.4	173.6	175.9	174.1	174.6	171.6	169.8	170.4	169.6
43.5°	170.3	171.9	170.3	169.5	173.0	171.7	171.1	168.8	166.3	168.9	166.7



TEST NUMBER: A2016654C001

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	160.7	161.9	161.3	161.2	163.7	161.4	161.0	159.7	157.4	157.6	157.9
45.5°	157.2	158.8	158.2	157.7	160.1	158.7	157.7	157.0	154.2	155.2	154.4
46°	154.2	155.6	155.0	154.6	156.9	155.3	154.6	153.8	151.4	152.4	150.6
46.5°	151.0	152.5	151.8	151.0	153.7	151.9	151.5	149.9	148.2	149.0	147.5
47°	147.8	149.6	148.7	148.1	150.5	149.2	148.3	146.8	145.0	145.3	144.6
47.5°	144.0	146.2	145.0	144.9	147.3	146.0	144.8	143.8	141.9	141.9	141.3
48°	140.8	142.6	141.7	142.1	144.2	141.9	141.7	140.1	138.9	138.2	138.2
48.5°	136.9	139.1	137.9	138.7	140.7	139.7	138.5	136.9	134.7	134.9	135.0
49°	133.5	135.1	134.7	135.5	137.1	136.0	135.2	133.7	131.2	131.6	131.0
49.5°	130.6	131.4	131.3	131.6	133.4	132.5	131.9	130.1	127.8	128.6	127.7
50°	126.7	127.8	127.9	127.3	130.0	128.9	128.5	126.2	124.1	125.2	124.0
50.5°	123.3	124.3	124.2	124.1	126.6	126.1	125.3	122.6	120.8	121.0	120.9
51°	120.0	121.1	121.1	120.8	123.5	123.0	121.8	119.3	117.7	117.5	117.7
51.5°	116.7	117.7	117.7	117.2	120.3	119.6	118.4	116.3	115.1	114.5	114.3
52°	113.3	114.0	114.0	114.2	116.8	116.4	115.2	113.0	111.6	111.4	111.1
52.5°	110.2	110.3	110.7	110.5	113.3	112.8	111.8	109.6	107.9	108.3	107.2
53°	106.8	107.0	107.2	107.5	109.9	109.5	108.3	106.2	104.5	104.9	104.2
53.5°	103.3	103.7	103.8	104.1	106.3	105.8	105.1	102.9	101.2	101.7	100.9
54°	100.0	100.6	100.5	101.0	102.8	102.4	101.9	99.6	97.9	98.1	97.6
54.5°	96.7	97.4	97.4	97.5	99.5	99.1	98.8	96.5	94.7	94.7	94.2
55°	93.7	94.3	94.3	94.2	96.5	95.7	95.6	93.4	91.9	91.6	90.7
55.5°	90.5	91.1	91.0	90.8	93.3	92.4	92.4	90.5	88.8	88.7	87.6
56°	87.2	88.0	87.9	87.7	90.1	89.3	89.2	87.3	85.7	85.3	84.4
56.5°	84.1	84.9	84.8	84.7	87.0	86.4	86.2	84.2	82.5	82.3	81.6
57°	81.0	81.9	81.7	81.7	83.9	83.5	83.1	81.3	79.5	79.8	78.6
57.5°	77.6	78.6	78.6	78.8	80.7	80.7	80.0	78.3	76.5	76.7	75.8
58°	74.6	75.6	75.5	75.9	77.9	77.7	77.0	75.5	73.8	73.7	72.5
58.5°	71.6	72.6	72.8	72.8	75.0	74.8	73.9	72.8	70.9	70.9	69.5
59°	68.8	69.7	69.9	69.9	72.1	71.8	71.0	69.6	68.3	67.9	66.8
59.5°	65.8	66.8	66.7	67.2	69.4	68.9	68.3	66.6	65.4	65.2	64.0
60°	63.5	64.0	64.2	64.6	66.3	65.9	65.6	63.7	62.7	62.4	60.9
60.5°	60.5	61.0	61.3	61.8	63.8	63.0	62.8	61.1	59.8	59.5	58.3
61°	57.7	58.2	58.7	58.9	61.0	60.5	59.9	58.5	56.9	56.8	56.0
61.5°	54.8	55.7	56.0	56.5	58.3	57.7	57.3	56.0	54.7	54.2	53.3
62°	52.5	53.3	53.6	54.0	55.6	55.1	54.7	53.5	52.2	51.8	50.8
62.5°	50.0	50.6	51.1	51.4	53.1	52.3	52.4	50.9	49.6	49.6	48.5
63°	47.4	48.0	48.7	48.7	50.5	49.9	50.0	48.4	47.1	47.1	45.8
63.5°	44.9	45.5	46.0	46.3	48.1	47.6	47.4	46.0	45.1	44.6	43.6
64°	42.6	43.1	43.5	44.1	45.7	45.2	44.9	43.6	42.7	42.2	41.3
64.5°	40.3	40.9	41.5	41.9	43.4	42.7	42.7	41.4	40.4	40.2	39.1
65°	38.0	38.7	39.4	39.7	41.2	40.7	40.4	39.2	38.1	37.8	37.0
65.5°	35.7	36.6	37.2	37.6	39.1	38.5	38.3	37.1	35.7	35.7	34.8
66°	33.3	34.7	35.1	35.6	36.9	36.5	36.2	35.1	33.4	33.6	33.0



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	26.7	28.8	29.4	29.8	31.0	30.9	30.6	29.5	27.0	27.9	27.6
68°	24.9	26.8	27.6	28.0	29.1	29.0	28.8	27.6	25.2	26.1	25.8
68.5°	23.1	25.0	26.1	26.5	27.6	27.7	27.2	25.9	23.5	24.4	24.2
69°	21.6	23.3	24.4	25.0	26.0	25.9	25.6	24.3	21.8	22.9	22.7
69.5°	20.0	21.9	22.9	23.6	24.3	24.3	24.1	22.7	20.4	21.3	21.3
70°	18.6	20.5	21.8	22.1	22.9	22.9	22.7	21.2	19.0	20.1	20.1
70.5°	17.4	19.1	20.5	21.0	21.7	21.4	21.3	19.9	17.8	18.8	18.8
71°	16.1	17.9	19.4	19.7	20.4	20.3	20.2	18.6	16.4	17.5	17.6
71.5°	15.2	16.7	18.2	18.5	19.1	19.1	19.0	17.4	15.3	16.3	16.6
72°	14.0	15.6	17.0	17.5	17.9	18.0	17.8	16.2	14.4	15.2	15.4
72.5°	13.0	14.6	16.0	16.5	16.9	16.9	16.8	15.2	13.3	14.1	14.5
73°	12.2	13.5	15.0	15.5	15.9	15.8	15.8	14.2	12.5	13.2	13.5
73.5°	11.5	12.7	14.1	14.6	14.9	15.0	14.8	13.2	11.5	12.4	12.7
74°	10.8	11.9	13.3	13.7	13.8	13.9	13.8	12.4	10.8	11.5	11.8
74.5°	10.1	11.3	12.5	12.9	13.0	13.0	12.9	11.6	10.1	11.0	11.1
75°	9.5	10.5	11.7	12.1	12.2	12.2	12.1	10.8	9.5	10.0	10.4
75.5°	8.9	9.8	11.0	11.5	11.5	11.6	11.3	10.0	8.8	9.5	9.7
76°	8.3	9.3	10.4	10.8	10.9	10.9	10.7	9.4	8.2	8.8	9.1
76.5°	7.9	8.7	9.8	10.2	10.1	10.1	10.0	8.8	7.8	8.2	8.6
77°	7.5	8.2	9.2	9.6	9.6	9.7	9.3	8.3	7.2	7.7	8.0
77.5°	7.1	7.8	8.7	9.1	8.9	9.0	8.8	7.7	7.0	7.3	7.6
78°	6.8	7.4	8.2	8.6	8.4	8.5	8.2	7.2	6.9	6.9	7.0
78.5°	6.4	6.9	7.7	8.2	7.9	7.9	7.8	6.7	6.1	6.7	6.8
79°	6.0	6.6	7.4	7.8	7.5	7.7	7.3	6.3	5.7	5.9	6.4
79.5°	5.6	6.1	6.8	7.4	7.0	7.0	6.8	5.9	5.3	5.5	5.8
80°	5.3	5.7	6.5	7.1	6.8	7.0	6.3	5.5	5.0	5.1	5.6
80.5°	4.8	5.3	6.2	6.7	6.3	6.4	6.0	5.1	4.7	4.9	5.2
81°	4.5	5.0	5.9	6.4	5.9	5.9	5.8	4.9	4.1	4.4	4.8
81.5°	4.0	4.6	5.6	6.1	5.7	5.8	5.3	4.7	3.8	4.0	4.8
82°	3.7	4.2	5.2	5.7	5.3	5.5	5.0	4.0	3.6	3.6	4.2
82.5°	3.3	3.8	4.8	5.4	5.0	5.0	4.9	3.8	3.1	3.2	3.8
83°	2.9	3.4	4.5	5.1	5.0	4.7	4.3	3.2	2.9	3.2	3.6
83.5°	2.6	3.1	4.2	4.7	4.5	4.5	3.9	2.8	2.4	3.0	3.2
84°	2.3	2.7	3.8	4.3	4.0	4.0	3.6	2.6	1.9	2.3	2.9
84.5°	1.9	2.4	3.5	4.0	3.6	3.9	3.2	2.1	1.8	1.8	2.7
85°	1.6	2.1	3.1	3.7	3.3	3.3	2.8	1.8	1.2	1.6	2.3
85.5°	1.3	1.8	2.8	3.4	3.0	3.0	2.7	1.6	0.9	1.2	1.9
86°	1.1	1.6	2.5	3.0	2.7	3.0	2.2	1.1	0.8	1.0	1.8
86.5°	1.0	1.4	2.3	2.6	2.3	2.4	1.9	1.0	0.6	0.9	1.4
87°	0.9	1.3	2.0	2.3	2.0	1.9	1.7	0.8	0.4	0.8	1.1
87.5°	0.8	1.1	1.7	2.0	1.8	1.9	1.3	0.8	0.4	0.6	0.8
88°	0.7	0.9	1.4	1.7	1.3	1.5	1.1	0.6	0.4	0.4	0.8
88.5°	0.6	0.7	1.1	1.4	1.0	1.0	0.8	0.3	0.3	0.4	0.3



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.4	0.4	0.3	0.4	0.8	0.8	0.8	0.8	0.9	0.8	0.8
135.5°	0.6	0.5	0.4	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8
136°	0.6	0.6	0.4	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.9
136.5°	0.7	0.7	0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9
137°	0.8	0.7	0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
137.5°	0.8	0.8	0.4	0.5	0.8	0.8	0.8	0.9	0.9	0.9	0.8
138°	0.8	0.8	0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.8
138.5°	0.9	0.9	0.4	0.6	0.8	0.8	0.8	0.8	0.9	0.9	0.8
139°	0.9	0.9	0.4	0.6	0.8	0.8	0.8	0.8	0.9	0.9	0.8
139.5°	0.9	0.8	0.5	0.6	0.8	0.8	0.8	0.8	0.9	0.9	0.9
140°	0.9	0.8	0.6	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
140.5°	0.9	0.9	0.7	0.6	0.8	0.8	0.8	0.9	0.9	0.9	0.9
141°	0.9	0.9	0.7	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.9
141.5°	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.9
142°	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9
143°	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9
143.5°	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.9
144°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	1.0
144.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.0
145°	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.0
145.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.0	1.0
146°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1
146.5°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.0	1.0	1.1
147°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.0	1.0	1.0
147.5°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.0	1.0	1.0
148°	0.9	0.9	0.9	1.0	0.9	1.0	0.9	1.0	1.0	1.0	1.0
148.5°	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
149°	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
149.5°	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
150°	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
150.5°	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.1
151°	0.9	0.9	0.9	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
151.5°	0.9	0.9	0.9	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
152°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.0	1.0	1.1
152.5°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.0	1.0	1.1
153°	0.9	0.9	0.9	1.0	1.1	0.9	1.0	1.0	1.0	1.0	1.1
153.5°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.0	1.0	1.1
154°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.1	1.0	1.1
154.5°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.1	1.0	1.0
155°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	0.9	1.0	1.0
155.5°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.0	1.0	1.0
156°	0.9	0.9	0.9	1.0	1.1	0.9	1.1	1.0	1.0	0.9	1.0



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	334.2	334.2	334.2	334.2	334.2	334.2
0.5°	335.3	334.6	332.0	335.6	335.6	334.7
1°	336.4	333.8	331.3	335.2	333.5	334.3
1.5°	338.5	333.0	334.4	334.0	332.9	334.4
2°	336.2	332.2	335.1	333.9	333.5	330.7
2.5°	337.0	332.8	333.8	334.3	331.4	331.8
3°	334.7	332.8	333.0	334.3	332.4	332.8
3.5°	334.8	332.2	332.1	334.6	332.8	334.2
4°	332.4	331.1	334.1	335.1	334.6	331.2
4.5°	331.8	331.9	333.6	336.3	333.8	329.3
5°	331.5	333.2	332.2	331.5	330.9	330.6
5.5°	332.5	329.7	330.8	334.5	328.8	329.2
6°	331.2	324.7	331.5	332.5	327.6	329.0
6.5°	330.9	327.5	329.4	332.6	328.8	329.2
7°	331.0	328.8	330.3	329.7	327.9	328.0
7.5°	330.0	327.0	326.8	331.1	327.7	327.6
8°	328.1	326.8	329.0	330.3	327.9	325.8
8.5°	328.3	327.3	327.7	330.7	325.9	326.5
9°	326.7	324.0	327.6	329.6	327.0	324.9
9.5°	325.1	324.0	324.5	326.8	323.1	324.2
10°	324.7	324.3	321.7	325.3	324.2	324.3
10.5°	322.3	323.5	321.5	325.5	325.3	323.6
11°	324.2	321.5	319.7	326.2	320.9	322.1
11.5°	321.6	319.3	319.5	322.2	320.1	321.1
12°	319.8	316.8	318.9	320.8	323.0	319.5
12.5°	316.9	316.3	317.1	320.5	319.2	319.1
13°	317.5	316.1	316.0	321.0	318.7	317.4
13.5°	317.9	313.3	316.3	315.8	315.4	317.7
14°	316.5	311.9	313.3	319.6	312.5	316.1
14.5°	314.3	311.8	314.0	315.8	312.2	312.7
15°	313.6	312.7	309.8	312.2	313.6	313.7
15.5°	310.0	310.2	310.6	312.2	311.7	311.2
16°	307.4	307.9	307.8	313.7	310.9	310.1
16.5°	307.6	306.2	307.1	311.3	308.5	308.3
17°	306.1	302.7	307.6	308.0	308.8	307.6
17.5°	303.7	301.2	301.3	307.9	307.4	303.3
18°	302.7	299.2	299.7	304.4	305.3	303.4
18.5°	300.1	297.5	298.9	303.8	302.1	300.7
19°	298.4	295.8	297.7	300.8	300.4	298.3
19.5°	297.2	294.0	296.9	299.5	298.1	297.3
20°	294.6	292.3	293.4	297.2	296.7	295.2
20.5°	292.3	291.9	292.3	293.4	295.4	292.1
21°	291.6	289.4	289.1	293.6	292.6	291.2



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	285.4	284.1	284.2	287.0	288.4	283.9
23°	283.6	281.2	283.3	286.1	285.1	282.9
23.5°	280.5	278.0	280.1	282.8	281.2	282.3
24°	278.5	275.7	278.5	280.8	278.4	279.8
24.5°	276.5	272.6	278.0	278.2	276.3	276.7
25°	273.3	270.1	272.6	275.9	275.1	274.4
25.5°	270.6	268.5	270.4	274.5	271.6	271.9
26°	267.2	266.2	269.3	271.7	269.1	269.8
26.5°	265.3	263.4	266.5	268.5	268.7	267.4
27°	263.5	260.3	260.6	265.4	265.7	264.8
27.5°	261.6	258.0	259.0	263.0	264.2	261.7
28°	257.4	255.2	258.8	262.4	262.2	259.7
28.5°	254.0	253.1	255.4	257.7	258.7	256.7
29°	252.0	250.7	253.7	256.0	255.5	255.1
29.5°	251.4	247.8	250.4	253.1	254.5	252.6
30°	248.4	245.2	247.6	251.4	251.2	249.7
30.5°	245.3	242.4	245.3	248.1	248.4	246.7
31°	242.5	239.7	242.3	244.7	245.3	243.6
31.5°	239.6	236.0	240.2	242.8	242.1	240.9
32°	237.0	234.4	237.2	239.9	239.3	239.1
32.5°	234.4	232.1	234.8	237.2	235.4	236.3
33°	231.4	229.2	232.2	234.9	232.8	233.0
33.5°	228.3	226.6	228.9	230.8	229.7	230.7
34°	225.0	223.8	223.9	228.3	227.7	227.7
34.5°	222.6	221.1	222.3	225.2	225.9	224.9
35°	219.5	217.9	218.8	222.6	222.4	223.3
35.5°	217.1	214.8	215.4	219.4	219.7	219.6
36°	214.5	211.8	213.4	217.4	216.3	217.1
36.5°	211.2	208.8	211.4	214.4	213.1	214.0
37°	208.2	205.7	208.2	211.0	209.3	210.9
37.5°	205.0	202.6	205.3	207.9	207.9	208.3
38°	201.8	200.0	201.5	204.8	205.0	205.2
38.5°	198.6	197.2	199.1	202.5	202.0	201.8
39°	196.4	194.1	195.1	199.4	199.5	199.0
39.5°	193.2	190.7	191.0	195.8	196.5	195.8
40°	190.5	187.4	188.7	192.6	191.8	193.4
40.5°	187.9	185.4	185.8	189.6	189.0	189.6
41°	184.5	182.5	182.9	186.6	185.7	186.4
41.5°	181.3	179.5	180.2	183.4	182.7	183.1
42°	177.3	175.9	176.5	179.9	179.3	180.3
42.5°	174.2	172.9	173.4	176.9	176.7	176.3
43°	171.4	169.9	170.4	173.8	173.6	173.3
43.5°	168.1	167.0	166.7	170.7	169.8	170.3



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	158.6	156.4	156.4	160.1	160.7	160.7
45.5°	155.5	152.6	154.4	157.1	157.2	157.2
46°	152.4	149.4	151.5	153.5	154.1	154.2
46.5°	149.2	146.1	147.3	149.8	150.5	151.0
47°	145.9	142.5	143.8	146.5	147.1	147.8
47.5°	142.2	139.4	140.4	142.9	143.4	144.0
48°	138.8	136.3	137.4	139.7	140.1	140.8
48.5°	135.7	132.9	133.6	136.3	136.5	136.9
49°	132.3	129.3	130.1	132.6	133.2	133.5
49.5°	128.9	125.3	126.7	129.2	129.8	130.6
50°	125.0	121.8	123.3	125.6	126.2	126.7
50.5°	121.5	118.6	119.4	122.0	122.4	123.3
51°	118.0	115.4	116.5	118.5	119.3	120.0
51.5°	115.0	112.1	113.5	115.1	115.9	116.7
52°	111.7	109.0	109.9	111.7	112.3	113.3
52.5°	108.0	105.7	106.6	108.5	109.1	110.2
53°	104.5	102.0	102.8	105.2	105.7	106.8
53.5°	101.2	98.6	99.4	101.8	102.5	103.3
54°	97.7	95.2	96.2	98.5	99.2	100.0
54.5°	94.6	91.9	93.0	95.3	95.5	96.7
55°	91.3	88.9	89.8	91.9	92.3	93.7
55.5°	88.1	85.9	86.6	88.5	89.1	90.5
56°	85.0	82.8	83.6	85.5	86.1	87.2
56.5°	81.9	79.9	80.7	82.4	83.0	84.1
57°	79.2	76.8	77.9	79.2	79.9	81.0
57.5°	75.8	73.8	74.9	76.4	76.6	77.6
58°	72.8	70.9	71.9	73.2	73.8	74.6
58.5°	69.8	68.2	68.9	70.4	71.2	71.6
59°	66.9	65.2	65.8	67.4	68.3	68.8
59.5°	64.2	62.6	63.0	64.4	65.6	65.8
60°	61.3	59.8	60.1	61.7	62.6	63.5
60.5°	58.4	56.9	57.4	59.0	59.6	60.5
61°	55.9	54.2	54.6	56.3	56.8	57.7
61.5°	53.5	51.9	52.1	53.8	54.1	54.8
62°	50.9	49.3	49.5	50.9	51.7	52.5
62.5°	48.1	46.6	47.3	48.5	49.2	50.0
63°	45.6	44.1	44.5	45.9	46.5	47.4
63.5°	43.3	41.8	42.2	43.5	44.3	44.9
64°	41.1	39.7	40.0	41.1	41.9	42.6
64.5°	38.9	37.6	37.8	38.9	39.5	40.3
65°	36.7	35.5	35.5	36.7	37.6	38.0
65.5°	34.8	33.3	33.7	34.5	35.5	35.7
66°	32.6	31.4	31.6	32.5	33.4	33.3



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	27.0	26.0	26.1	27.1	27.5	26.7
68°	25.4	24.2	24.6	25.4	25.7	24.9
68.5°	23.7	22.8	23.0	23.9	24.0	23.1
69°	22.2	21.7	21.8	22.3	22.5	21.6
69.5°	21.0	20.2	20.3	21.1	21.1	20.0
70°	19.7	19.0	19.1	19.9	19.7	18.6
70.5°	18.5	17.8	17.9	18.6	18.3	17.4
71°	17.3	16.7	16.8	17.4	17.0	16.1
71.5°	16.0	15.6	15.7	16.2	16.0	15.2
72°	15.0	14.7	14.7	15.2	14.8	14.0
72.5°	14.1	13.8	13.8	14.3	13.9	13.0
73°	13.2	12.9	13.0	13.4	13.0	12.2
73.5°	12.3	12.3	12.2	12.5	12.1	11.5
74°	11.6	11.6	11.5	11.8	11.3	10.8
74.5°	10.9	10.9	10.9	11.1	10.6	10.1
75°	10.2	10.2	10.3	10.5	10.0	9.5
75.5°	9.6	9.6	9.7	9.9	9.4	8.9
76°	8.9	9.1	9.2	9.4	8.9	8.3
76.5°	8.5	8.7	8.7	8.8	8.4	7.9
77°	8.0	8.2	8.3	8.3	7.9	7.5
77.5°	7.6	7.8	7.7	7.8	7.4	7.1
78°	7.1	7.5	7.4	7.4	6.9	6.8
78.5°	7.0	7.1	7.0	7.0	6.5	6.4
79°	6.5	6.7	6.6	6.6	6.1	6.0
79.5°	5.9	6.4	6.4	6.3	5.7	5.6
80°	5.8	6.1	6.1	6.0	5.4	5.3
80.5°	5.3	5.7	5.8	5.6	4.9	4.8
81°	5.0	5.4	5.4	5.4	4.6	4.5
81.5°	4.9	5.1	5.1	4.9	4.2	4.0
82°	4.7	4.7	4.7	4.6	3.8	3.7
82.5°	4.0	4.4	4.4	4.3	3.5	3.3
83°	3.7	4.1	4.1	3.9	3.1	2.9
83.5°	3.4	3.7	3.7	3.6	2.8	2.6
84°	3.0	3.4	3.3	3.2	2.5	2.3
84.5°	2.9	3.1	3.1	2.9	2.2	1.9
85°	2.7	2.7	2.7	2.6	1.9	1.6
85.5°	2.0	2.4	2.4	2.4	1.7	1.3
86°	1.7	2.1	2.1	2.0	1.5	1.1
86.5°	1.5	1.8	1.8	1.8	1.4	1.0
87°	1.1	1.5	1.5	1.5	1.1	0.9
87.5°	0.8	1.1	1.1	1.2	0.9	0.8
88°	0.8	0.9	0.9	0.9	0.8	0.7
88.5°	0.3	0.6	0.6	0.7	0.6	0.6



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

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	0.3
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	0.3
92°	0.4	0.4	0.4	0.4	0.4	0.3
92.5°	0.4	0.4	0.4	0.3	0.4	0.3
93°	0.4	0.3	0.4	0.3	0.4	0.3
93.5°	0.4	0.3	0.4	0.3	0.4	0.3
94°	0.4	0.3	0.4	0.3	0.4	0.3
94.5°	0.4	0.3	0.4	0.3	0.4	0.3
95°	0.4	0.3	0.4	0.3	0.3	0.3
95.5°	0.4	0.3	0.4	0.3	0.3	0.3
96°	0.4	0.3	0.4	0.3	0.3	0.3
96.5°	0.4	0.3	0.3	0.3	0.3	0.3
97°	0.4	0.3	0.3	0.3	0.3	0.3
97.5°	0.4	0.3	0.3	0.3	0.3	0.3
98°	0.4	0.3	0.3	0.3	0.3	0.3
98.5°	0.4	0.3	0.3	0.3	0.3	0.3
99°	0.4	0.3	0.3	0.3	0.3	0.3
99.5°	0.4	0.3	0.3	0.3	0.3	0.3
100°	0.4	0.3	0.3	0.3	0.3	0.3
100.5°	0.4	0.3	0.3	0.3	0.3	0.3
101°	0.4	0.3	0.3	0.3	0.3	0.3
101.5°	0.4	0.3	0.3	0.3	0.3	0.3
102°	0.4	0.3	0.3	0.3	0.3	0.3
102.5°	0.4	0.3	0.3	0.3	0.3	0.3
103°	0.4	0.3	0.3	0.3	0.3	0.3
103.5°	0.4	0.3	0.3	0.3	0.3	0.3
104°	0.4	0.3	0.3	0.3	0.3	0.3
104.5°	0.4	0.3	0.3	0.3	0.3	0.3
105°	0.4	0.3	0.3	0.3	0.3	0.3
105.5°	0.4	0.3	0.3	0.3	0.3	0.3
106°	0.4	0.3	0.3	0.3	0.3	0.3
106.5°	0.4	0.3	0.3	0.3	0.3	0.3
107°	0.4	0.3	0.3	0.3	0.3	0.3
107.5°	0.4	0.3	0.3	0.3	0.3	0.3
108°	0.4	0.3	0.3	0.3	0.3	0.3
108.5°	0.4	0.3	0.3	0.3	0.3	0.3
109°	0.4	0.3	0.3	0.3	0.3	0.3
109.5°	0.4	0.3	0.3	0.3	0.3	0.3
110°	0.4	0.3	0.3	0.3	0.3	0.3
110.5°	0.4	0.3	0.3	0.3	0.3	0.3
111°	0.4	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654C001

CATALOG NUMBER: LTSS4069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.9	0.9	0.9	0.9	0.9	0.9



Report Generated By E9808895 / USPTCWHP6082093





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







21.5°	288.1	291.3	290.6	288.7	291.7	289.8	291.2	289.9	285.2	287.2	288.5
22°	285.5	289.4	289.1	286.9	290.5	288.9	289.8	287.2	283.3	286.5	284.7



44°	167.4	168.2	167.2	167.1	170.1	168.3	167.7	165.8	163.3	165.1	163.7
44.5°	164.5	164.8	164.2	164.7	166.9	165.0	164.1	162.8	160.5	160.2	161.2



66.5°	31.1	32.8	33.1	33.7	34.8	34.5	34.2	33.3	31.1	31.7	31.2
67°	28.7	30.8	31.2	31.7	33.0	32.8	32.4	31.4	28.9	29.9	29.4



89°	0.5	0.6	0.9	1.1	0.7	0.8	0.8	0.3	0.3	0.3	0.3
89.5°	0.4	0.4	0.6	0.8	0.6	0.6	0.4	0.4	0.3	0.3	0.4



111.5°	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.4
112°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4



134°	0.5	0.4	0.3	0.3	0.8	0.8	0.8	0.8	0.8	0.9	0.8
134.5°	0.5	0.4	0.3	0.3	0.8	0.8	0.8	0.8	0.9	0.9	0.8



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



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





21.5°	288.7	288.1	290.4	291.1	290.1	288.1
22°	288.2	285.3	287.3	290.4	287.9	285.5



44°	164.4	163.6	163.6	167.0	167.0	167.4
44.5°	161.6	159.9	160.4	163.7	163.8	164.5



66.5°	30.6	29.5	29.7	30.7	31.4	31.1
67°	28.8	27.8	27.9	28.9	29.4	28.7



89°	0.3	0.4	0.4	0.4	0.5	0.5
89.5°	0.4	0.4	0.4	0.4	0.4	0.4



111.5°	0.5	0.3	0.3	0.3	0.3	0.3
112°	0.5	0.3	0.3	0.3	0.3	0.3



134°	0.8	0.3	0.4	0.4	0.4	0.5
134.5°	0.8	0.4	0.4	0.4	0.5	0.5



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



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



(END OF REPORT)