

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: A2016654B001

Luminaire Tested: **LTSS56069FS351EWHWR**

Test Date: 2020-09-18



Test Information

Test Method: LM-41-14
Report Number: A2016654B001
Test Lab: EVERFINE
Test Date: 2020-09-18
Issue Date: 2020-09-19 11:19:49
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LTSS56069FS351EWHWR
Description: LTSS56069FS351EWHWR
Light Source: -
Ballast/Driver: -

Summary

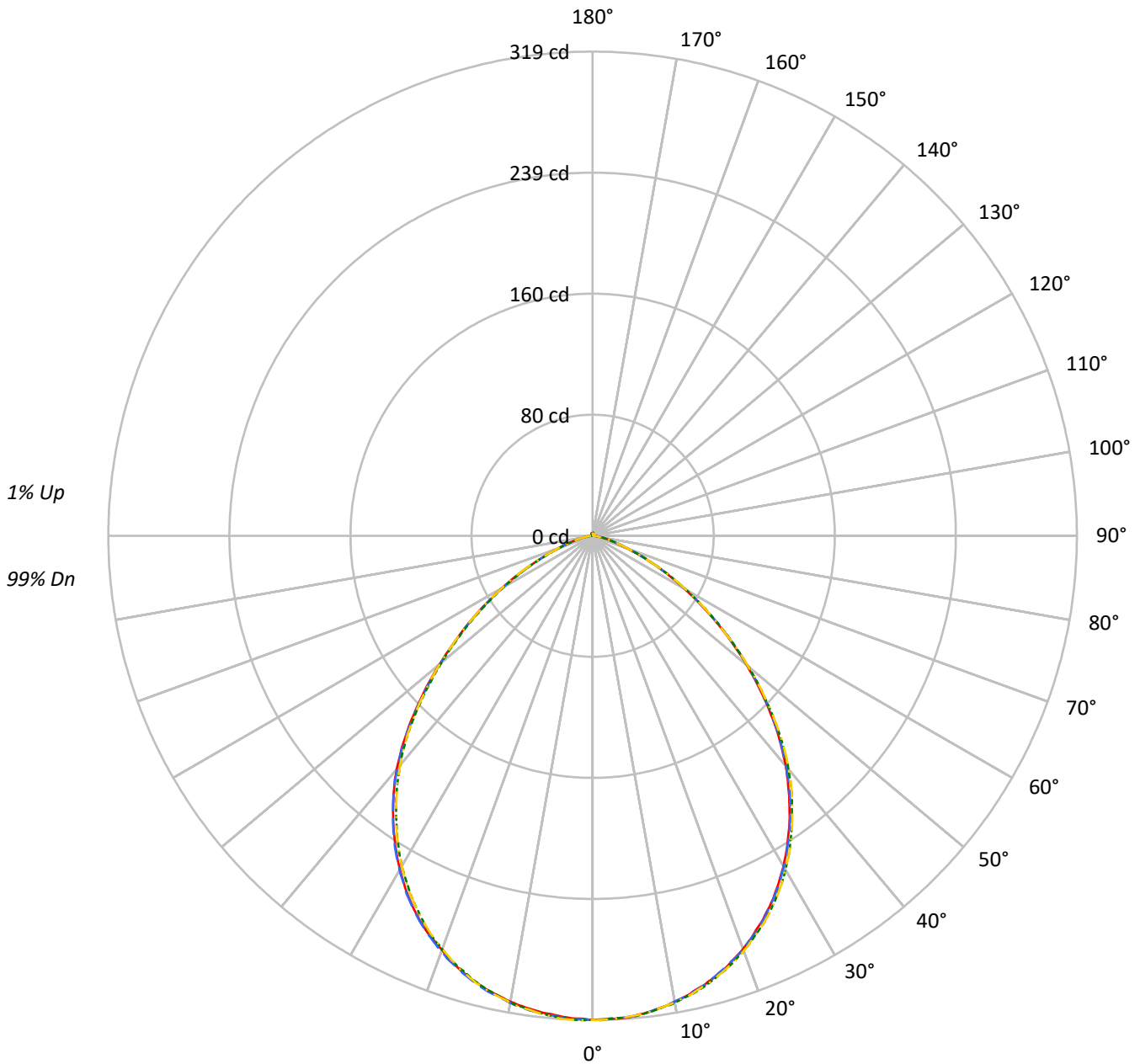
Lumens per Lamp: N/A
Luminaire Lumens: 666.2 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.25
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6.94292
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				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	101	101	101	99			99
1	111	107	103	100	108	105	101	99	100	98	95	96	94	92	93	91	90	88			88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66			66
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	56	79	68	61	55	66	60	55	64	59	54	62	57	53	51			51
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46			46
7	70	58	50	44	68	57	49	44	55	48	44	54	48	43	53	47	43	41			41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	48	43	39	37			37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34			34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36	32	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17487	17487	17487	17487
5°	17475	17490	17403	17476
10°	17352	17384	17347	17368
15°	17181	17229	17215	17200
20°	16900	16974	16936	16913
25°	16485	16613	16619	16476
30°	15919	16087	16083	15912
35°	15143	15316	15335	15097
40°	14154	14359	14364	14115
45°	12864	13026	12935	12756
50°	11289	11407	11218	11063
55°	9532	9646	9423	9279
60°	7700	7796	7553	7412
65°	5798	5907	5609	5490
70°	3883	4016	3806	3702
75°	2680	2743	2632	2612
80°	1875	1914	1780	1889
85°	1409	1443	1123	1653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	4.5
10°-20°	85.4	12.8
20°-30°	125.9	18.9
30°-40°	142.0	21.3
40°-50°	128.0	19.2
50°-60°	89.0	13.4
60°-70°	44.3	6.7
70°-80°	14.1	2.1
80°-90°	2.8	0.4
90°-100°	0.4	0.1
100°-110°	0.4	0.1
110°-120°	0.5	0.1
120°-130°	0.6	0.1
130°-140°	0.7	0.1
140°-150°	0.7	0.1
150°-160°	0.6	0.1
160°-170°	0.5	0.1
170°-180°	0.1	0.0
0°-30°	241.4	36.2
0°-40°	383.4	57.6
0°-60°	600.4	90.1
0°-90°	661.6	99.3
90°-120°	1.3	0.2
90°-150°	3.3	0.5
90°-180°	5.0	0.8
0°-180°	666.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	319	319	319	319	319	
5°	318	318	316	318	318	30
15°	303	304	303	303	303	85
25°	273	275	275	272	273	125
35°	226	229	229	226	226	141
45°	166	168	167	165	166	128
55°	100	101	99	97	100	89
65°	45	46	43	42	45	45
75°	13	13	12	12	13	14
85°	2	2	2	3	2	3
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	1	1	0	0	0
125°	0	1	1	0	0	0
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	2	2	1	1	1
165°	2	2	2	1	2	1
175°	2	2	1	1	2	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°	319.0	319.0	319.0	319.0	319.0	319.0	319.0	319.0	319.0	319.0	319.0
0.5°	318.8	319.1	318.9	318.2	319.2	319.5	319.1	318.9	318.7	319.1	318.9
1°	318.7	319.1	319.0	318.4	319.2	319.5	319.1	318.9	318.4	319.1	318.8
1.5°	318.5	319.0	318.9	318.3	318.5	319.5	318.9	318.9	318.3	319.1	318.6
2°	318.5	319.0	318.7	318.1	318.2	319.2	318.8	318.8	318.3	319.1	318.6
2.5°	318.6	318.7	318.7	318.0	318.2	319.1	318.7	318.6	318.2	319.0	318.5
3°	318.6	318.6	318.5	317.9	318.2	319.1	318.3	318.4	317.9	318.6	318.3
3.5°	318.4	318.6	318.2	317.6	318.2	318.9	317.9	318.0	317.6	318.4	318.2
4°	318.3	318.4	318.0	317.2	318.1	318.0	317.9	318.0	317.1	317.8	317.8
4.5°	318.0	317.6	317.7	316.8	318.0	317.9	317.6	317.4	316.8	317.5	317.3
5°	317.6	317.4	317.5	316.5	317.8	317.7	317.4	317.0	316.2	317.4	317.2
5.5°	316.9	317.2	316.9	316.1	317.5	317.6	317.1	316.8	316.2	317.2	317.1
6°	316.6	317.0	316.6	315.9	317.0	317.3	316.7	316.6	315.9	316.6	316.9
6.5°	316.2	316.4	316.2	315.2	316.3	317.0	316.3	315.9	315.4	316.5	316.2
7°	315.7	316.0	315.7	314.9	316.1	317.0	315.6	315.4	315.0	315.6	315.8
7.5°	315.0	315.3	315.0	314.3	315.3	316.4	315.0	315.0	314.4	315.4	315.4
8°	314.4	314.4	314.5	313.8	314.9	315.8	314.5	314.8	314.1	314.8	314.9
8.5°	314.0	314.0	313.8	313.4	314.0	315.4	313.9	313.9	313.4	314.3	314.4
9°	313.3	313.6	313.3	312.7	313.6	314.7	313.2	313.5	313.0	313.7	314.0
9.5°	312.4	312.9	312.4	312.2	313.1	313.8	312.8	312.9	312.3	312.9	313.3
10°	311.7	312.5	311.7	311.2	312.3	313.1	312.1	312.2	311.6	312.4	312.6
10.5°	310.9	311.6	310.9	310.4	311.6	312.3	311.4	311.2	311.0	311.7	311.7
11°	310.3	310.8	310.1	309.6	310.8	311.7	310.4	310.9	310.2	311.1	310.9
11.5°	309.3	309.8	309.5	308.8	309.9	310.8	309.9	310.0	309.4	310.2	310.2
12°	308.7	308.9	308.5	308.0	309.4	310.0	309.2	309.0	308.8	309.5	309.5
12.5°	307.2	307.9	307.7	307.0	308.6	309.3	308.4	308.4	308.1	308.4	308.7
13°	306.3	306.9	306.8	306.2	307.7	308.6	307.2	307.4	307.2	307.4	308.0
13.5°	305.5	306.0	305.9	305.2	306.7	307.6	306.3	306.3	306.4	306.3	307.0
14°	304.9	305.1	304.7	304.2	305.8	306.6	305.3	305.4	305.3	305.6	306.0
14.5°	303.5	304.0	303.6	303.1	304.7	305.6	304.5	304.3	304.2	304.7	305.1
15°	302.7	302.8	302.4	302.2	303.6	304.5	303.7	303.2	303.3	303.7	303.9
15.5°	301.6	301.6	301.3	301.0	302.5	303.4	302.5	302.1	302.4	302.8	302.8
16°	300.3	300.5	300.1	300.1	301.1	302.3	301.2	300.9	301.2	301.8	301.7
16.5°	299.0	299.2	298.8	299.0	300.1	301.1	300.1	299.7	300.1	300.9	300.6
17°	298.1	298.0	297.7	297.6	299.2	300.1	298.9	298.7	298.9	299.6	299.5
17.5°	296.8	296.9	296.5	296.4	297.7	298.8	297.6	297.4	297.6	298.2	298.1
18°	295.3	295.6	295.1	295.1	296.6	297.4	296.5	296.3	296.3	297.0	296.9
18.5°	293.8	294.2	293.9	293.8	295.1	296.0	295.5	295.2	294.9	295.7	295.8
19°	292.5	292.7	292.8	292.4	293.9	294.5	294.0	293.8	293.4	294.2	294.5
19.5°	291.1	291.4	291.3	290.8	292.4	293.1	292.7	292.4	291.9	292.9	292.9
20°	289.7	289.9	289.8	289.2	291.0	291.9	291.1	291.0	290.3	291.3	291.5
20.5°	288.1	288.4	288.2	287.8	289.5	290.4	289.6	289.6	289.1	289.7	290.1
21°	286.4	286.7	286.7	286.3	287.8	288.9	287.9	288.0	287.5	288.2	288.5



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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°	281.2	281.9	282.0	281.7	283.2	284.3	283.4	283.7	283.4	284.0	283.9
23°	279.7	280.3	280.3	280.2	281.6	282.8	281.7	281.8	281.8	282.5	282.1
23.5°	278.1	278.5	278.4	278.3	280.1	280.9	280.2	280.3	280.0	280.7	280.5
24°	276.3	276.7	276.7	276.6	278.4	279.0	278.4	278.4	278.4	278.9	278.8
24.5°	274.3	275.0	274.9	274.5	276.7	277.4	276.5	276.6	276.7	277.2	277.1
25°	272.5	273.0	272.9	272.7	274.7	275.6	274.9	274.9	274.8	275.4	275.2
25.5°	270.8	271.0	270.9	270.8	272.9	273.7	272.9	273.1	272.9	273.2	273.3
26°	268.6	269.0	269.1	269.0	270.7	271.5	271.2	271.1	271.1	271.3	271.4
26.5°	266.9	267.0	267.0	266.8	269.0	269.6	269.2	269.1	269.0	269.5	269.5
27°	264.5	264.8	265.0	264.9	266.9	267.7	267.1	267.1	267.0	267.1	267.5
27.5°	262.4	262.9	263.1	263.0	264.8	265.6	265.1	265.1	265.0	265.1	265.6
28°	260.3	260.8	260.7	260.9	262.7	263.4	262.9	262.8	262.9	263.1	263.4
28.5°	258.1	258.6	258.7	258.7	260.8	261.4	260.8	260.6	260.6	260.8	261.0
29°	255.8	256.3	256.4	256.4	258.6	259.1	258.6	258.5	258.4	258.6	258.8
29.5°	253.6	254.3	254.0	254.0	256.4	257.0	256.3	256.3	256.1	256.6	256.6
30°	251.5	251.9	251.8	252.0	254.1	254.5	253.9	254.2	254.1	254.3	254.3
30.5°	248.8	249.6	249.6	249.8	251.8	252.0	251.7	251.9	251.5	251.8	252.1
31°	246.7	247.0	247.2	247.3	249.4	249.8	249.5	249.9	249.3	249.7	249.7
31.5°	244.1	244.7	244.7	244.6	247.1	247.4	247.1	247.5	246.8	247.3	247.3
32°	241.7	242.2	242.2	242.3	244.7	245.1	244.7	245.1	244.3	245.0	245.0
32.5°	239.2	239.6	239.8	239.7	242.1	242.6	242.3	242.6	241.9	242.5	242.5
33°	236.5	237.0	237.2	237.2	239.5	240.2	239.8	240.1	239.3	239.9	239.7
33.5°	233.9	234.5	234.8	234.6	237.0	237.5	237.2	237.5	236.8	237.3	237.3
34°	231.5	231.7	232.1	231.9	234.4	235.1	234.7	235.0	234.3	234.7	234.6
34.5°	228.9	229.0	229.4	229.2	231.6	232.4	232.0	232.2	231.7	232.1	231.9
35°	226.3	226.5	226.8	226.5	228.9	229.9	229.3	229.5	229.1	229.4	229.1
35.5°	223.2	223.7	223.9	223.9	226.2	227.2	226.6	226.7	226.4	226.7	226.4
36°	220.5	220.9	221.2	221.0	223.4	224.5	223.9	223.9	223.7	223.9	223.6
36.5°	217.8	218.3	218.7	218.3	220.8	221.6	221.2	221.0	220.8	221.1	220.9
37°	215.1	215.5	216.0	215.6	218.2	218.8	218.4	218.3	218.1	218.3	218.3
37.5°	212.2	212.7	213.1	212.7	215.5	216.2	215.6	215.6	215.4	215.5	215.4
38°	209.2	209.8	210.2	209.8	212.6	213.3	212.8	212.9	212.6	212.6	212.5
38.5°	206.6	206.9	207.3	206.7	209.6	210.4	209.9	209.9	209.8	209.6	209.6
39°	203.6	204.1	204.3	203.8	206.7	207.4	207.1	207.0	207.0	206.9	206.5
39.5°	200.7	201.2	201.2	200.9	203.7	204.5	204.0	204.1	203.8	203.7	203.3
40°	197.8	198.0	198.1	197.9	200.7	201.6	201.1	201.0	200.7	200.5	200.1
40.5°	194.7	195.2	195.0	194.9	197.6	198.5	198.0	198.1	197.3	197.5	196.9
41°	191.6	192.3	192.1	191.9	194.4	195.4	194.8	194.8	194.2	194.2	193.8
41.5°	188.3	189.0	188.9	188.7	191.1	192.2	191.6	191.6	190.9	191.0	190.6
42°	185.4	186.0	185.9	185.8	188.0	189.0	188.5	188.3	187.8	187.4	187.2
42.5°	182.3	182.8	182.9	182.7	184.7	185.6	185.4	185.1	184.3	184.2	183.9
43°	179.1	179.6	179.7	179.4	181.3	182.1	181.9	181.7	180.8	180.7	180.3
43.5°	176.0	176.4	176.5	176.2	178.0	178.5	178.3	178.4	177.3	177.1	176.8



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CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	165.9	166.7	166.7	166.3	168.0	168.6	168.2	168.0	166.9	166.3	166.1
45.5°	162.7	163.3	163.4	162.8	164.4	165.0	164.8	164.6	163.4	162.8	162.4
46°	159.2	159.8	160.2	159.6	161.1	161.8	161.3	160.9	159.8	159.2	159.1
46.5°	155.8	156.5	156.8	156.3	157.6	158.5	157.8	157.4	156.3	155.6	155.5
47°	152.6	153.3	153.5	153.0	154.1	154.9	154.3	153.8	152.8	152.3	152.0
47.5°	149.3	149.7	150.2	149.7	150.9	151.5	151.1	150.5	149.4	148.7	148.4
48°	145.9	146.6	146.8	146.4	147.5	148.1	147.6	147.1	145.8	145.1	144.8
48.5°	142.6	143.2	143.5	142.9	143.9	144.7	144.2	143.6	142.1	141.6	141.2
49°	139.2	140.0	140.1	139.7	140.6	141.3	140.7	140.0	138.6	138.2	137.8
49.5°	135.8	136.5	136.8	136.3	137.1	138.0	137.2	136.5	135.1	134.5	134.3
50°	132.4	133.1	133.3	132.7	133.8	134.4	133.7	132.9	131.5	131.0	130.8
50.5°	129.1	129.8	130.1	129.4	130.2	131.0	130.3	129.3	128.0	127.5	127.3
51°	125.7	126.4	126.7	126.1	126.9	127.6	126.8	125.8	124.6	124.1	124.0
51.5°	122.4	123.2	123.5	122.8	123.5	124.1	123.6	122.4	121.2	120.7	120.7
52°	119.1	119.9	120.1	119.5	120.1	120.7	120.2	119.1	117.8	117.6	117.4
52.5°	115.9	116.7	117.0	116.3	116.9	117.5	116.6	115.7	114.4	114.2	114.2
53°	112.6	113.4	113.7	112.9	113.7	114.2	113.4	112.4	111.2	110.8	111.0
53.5°	109.4	110.2	110.5	109.8	110.5	110.9	110.2	109.1	108.0	107.7	107.7
54°	106.1	107.0	107.1	106.6	107.2	107.6	106.8	105.9	104.9	104.5	104.5
54.5°	102.9	103.7	103.9	103.2	104.1	104.5	103.8	102.7	101.6	101.3	101.4
55°	99.7	100.6	100.8	100.1	100.9	101.4	100.6	99.5	98.6	98.2	98.2
55.5°	96.6	97.3	97.5	96.9	97.7	98.1	97.4	96.4	95.4	95.0	95.0
56°	93.4	94.2	94.4	93.8	94.6	94.9	94.4	93.2	92.3	91.9	91.8
56.5°	90.3	91.0	91.3	90.6	91.5	91.7	91.1	90.1	89.3	88.8	88.9
57°	87.4	87.8	88.1	87.4	88.5	88.6	88.1	87.2	86.4	86.0	85.9
57.5°	84.5	84.9	84.8	84.2	85.6	85.7	85.3	84.4	83.3	82.8	82.8
58°	81.5	81.9	81.8	81.2	82.6	82.7	82.4	81.5	80.3	79.9	79.8
58.5°	78.7	79.2	79.0	78.3	79.7	79.8	79.5	78.5	77.4	77.0	77.0
59°	75.7	76.3	76.0	75.4	76.8	77.0	76.6	75.6	74.6	74.2	74.0
59.5°	73.1	73.4	73.3	72.7	73.9	74.1	73.7	72.7	71.7	71.2	71.2
60°	70.2	70.7	70.5	69.6	71.1	71.3	71.0	70.0	68.9	68.4	68.3
60.5°	67.5	67.9	67.8	66.9	68.4	68.6	68.1	67.2	66.1	65.6	65.5
61°	64.8	65.2	65.1	64.3	65.8	65.8	65.4	64.5	63.4	62.9	62.7
61.5°	62.2	62.5	62.4	61.7	63.1	63.2	62.7	61.8	60.8	60.2	60.1
62°	59.5	60.0	59.8	59.1	60.5	60.6	60.2	59.2	58.1	57.6	57.5
62.5°	57.0	57.5	57.3	56.7	57.9	58.0	57.5	56.6	55.5	54.9	54.7
63°	54.6	55.1	54.8	54.2	55.2	55.4	54.9	54.1	53.0	52.4	52.2
63.5°	52.0	52.5	52.3	51.8	52.9	52.8	52.5	51.6	50.5	49.8	49.8
64°	49.6	50.0	49.9	49.5	50.3	50.4	50.0	49.2	48.1	47.4	47.3
64.5°	47.1	47.7	47.5	46.9	47.9	48.0	47.5	46.8	45.7	45.0	44.9
65°	44.7	45.3	45.1	44.6	45.5	45.6	45.3	44.4	43.2	42.7	42.6
65.5°	42.3	42.9	42.8	42.3	43.3	43.4	42.9	42.0	41.0	40.4	40.3
66°	40.1	40.6	40.5	40.1	41.0	41.0	40.6	39.7	38.8	38.2	38.1



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	33.6	34.1	34.2	33.9	34.4	34.5	34.0	33.4	32.5	32.1	32.1
68°	31.5	32.0	32.1	31.9	32.4	32.5	32.0	31.4	30.6	30.2	30.1
68.5°	29.6	30.1	30.2	30.0	30.4	30.5	30.1	29.5	28.8	28.3	28.3
69°	27.8	28.1	28.3	28.2	28.6	28.6	28.3	27.7	27.0	26.6	26.6
69.5°	25.9	26.4	26.5	26.4	26.7	26.8	26.5	25.9	25.4	25.0	24.9
70°	24.2	24.7	24.8	24.8	25.1	25.1	24.8	24.4	23.7	23.4	23.4
70.5°	22.7	23.1	23.2	23.2	23.4	23.5	23.2	22.8	22.3	21.9	21.9
71°	21.4	21.7	21.9	21.9	21.9	22.0	21.7	21.5	21.0	20.7	20.7
71.5°	20.0	20.3	20.5	20.5	20.6	20.7	20.4	20.1	19.7	19.4	19.3
72°	18.7	18.9	19.2	19.2	19.3	19.4	19.1	18.9	18.4	18.2	18.1
72.5°	17.5	17.8	17.9	18.0	18.1	18.2	17.9	17.7	17.3	17.1	17.0
73°	16.5	16.6	16.8	16.9	17.0	16.9	16.8	16.5	16.2	16.0	15.9
73.5°	15.4	15.6	15.7	15.9	15.8	16.0	15.7	15.5	15.2	15.1	14.9
74°	14.4	14.6	14.8	14.9	14.8	15.2	14.7	14.4	14.2	14.1	13.9
74.5°	13.6	13.7	13.8	14.0	13.9	14.0	13.8	13.5	13.3	13.1	13.0
75°	12.7	12.9	13.0	13.1	12.9	13.0	12.9	12.7	12.4	12.3	12.2
75.5°	11.9	12.0	12.2	12.3	12.0	12.1	12.0	12.0	11.6	11.5	11.4
76°	11.1	11.3	11.5	11.6	11.2	11.3	11.2	11.0	10.9	10.8	10.7
76.5°	10.4	10.6	10.7	10.8	10.5	10.7	10.4	10.3	10.0	9.9	9.9
77°	9.7	9.9	10.0	10.1	9.8	9.9	9.7	9.6	9.5	9.3	9.2
77.5°	9.1	9.2	9.4	9.5	9.1	9.1	9.0	9.0	8.9	8.7	8.6
78°	8.4	8.6	8.7	8.9	8.4	8.4	8.3	8.2	8.1	7.9	7.9
78.5°	7.8	8.0	8.1	8.2	7.8	8.0	7.8	7.6	7.4	7.4	7.3
79°	7.2	7.4	7.5	7.6	7.2	7.2	7.2	6.9	6.8	6.8	6.7
79.5°	6.6	6.8	7.0	7.0	6.8	7.1	6.5	6.4	6.2	6.1	6.1
80°	5.9	6.2	6.4	6.4	6.1	6.0	6.0	5.8	5.6	5.7	5.6
80.5°	5.5	5.7	5.9	5.9	5.6	5.7	5.4	5.3	4.9	5.0	5.1
81°	5.0	5.3	5.4	5.5	5.0	5.0	4.9	4.9	4.5	4.7	4.9
81.5°	4.6	4.8	4.9	5.0	4.8	4.6	4.6	4.2	4.0	4.0	4.1
82°	4.2	4.5	4.7	4.7	4.1	4.1	4.0	3.9	3.8	3.8	3.9
82.5°	3.8	4.1	4.3	4.4	3.8	3.9	3.8	3.7	3.3	3.4	3.7
83°	3.6	3.8	4.0	4.1	3.6	3.7	3.5	3.2	3.0	3.1	3.2
83.5°	3.2	3.5	3.7	3.7	3.1	3.3	3.1	2.9	2.8	2.8	2.9
84°	2.8	3.1	3.3	3.5	2.9	3.1	2.8	2.7	2.4	2.5	2.7
84.5°	2.6	2.8	3.1	3.1	2.6	3.1	2.6	2.3	2.0	2.1	2.3
85°	2.2	2.5	2.8	2.8	2.3	2.6	2.2	2.0	1.8	1.7	2.1
85.5°	2.0	2.2	2.5	2.6	2.0	2.0	2.0	1.7	1.6	1.6	1.8
86°	1.7	1.9	2.3	2.3	1.7	1.9	1.7	1.5	1.2	1.2	1.5
86.5°	1.4	1.6	2.0	2.1	1.6	1.7	1.5	1.2	1.0	0.9	1.2
87°	1.1	1.4	1.7	1.8	1.2	1.2	1.2	0.8	0.7	0.7	1.0
87.5°	1.0	1.1	1.5	1.5	1.0	1.0	0.9	0.8	0.6	0.6	0.8
88°	0.8	1.0	1.3	1.4	0.8	0.8	0.8	0.8	0.4	0.4	0.8
88.5°	0.7	0.8	1.1	1.1	0.8	0.8	0.7	0.5	0.4	0.3	0.4



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.6
113°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.6
113.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.5	0.5	0.6	0.6
114°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.5	0.6
114.5°	0.4	0.4	0.4	0.4	0.6	0.7	0.6	0.6	0.6	0.5	0.6
115°	0.4	0.4	0.4	0.4	0.6	0.7	0.6	0.6	0.6	0.5	0.6
115.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.5	0.6
116°	0.4	0.4	0.4	0.4	0.7	0.6	0.6	0.6	0.6	0.5	0.6
116.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.6	0.6	0.6	0.5	0.6
117°	0.4	0.4	0.4	0.4	0.7	0.6	0.6	0.6	0.6	0.5	0.6
117.5°	0.4	0.4	0.4	0.4	0.7	0.6	0.6	0.6	0.6	0.6	0.7
118°	0.4	0.4	0.4	0.4	0.7	0.8	0.6	0.6	0.7	0.6	0.6
118.5°	0.4	0.4	0.4	0.4	0.7	0.8	0.6	0.6	0.7	0.6	0.6
119°	0.4	0.4	0.4	0.4	0.7	0.8	0.7	0.6	0.6	0.6	0.6
119.5°	0.4	0.4	0.4	0.4	0.7	0.8	0.7	0.6	0.6	0.6	0.8
120°	0.4	0.4	0.4	0.4	0.7	0.8	0.6	0.6	0.6	0.6	0.8
120.5°	0.4	0.4	0.4	0.4	0.7	0.8	0.6	0.6	0.6	0.6	0.7
121°	0.4	0.4	0.4	0.4	0.8	0.8	0.6	0.6	0.6	0.6	0.7
121.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.6	0.7	0.7	0.6	0.7
122°	0.4	0.4	0.4	0.4	0.8	0.8	0.6	0.7	0.7	0.6	0.7
122.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.7	0.7	0.7	0.6	0.7
123°	0.4	0.4	0.4	0.4	0.8	0.8	0.7	0.8	0.7	0.6	0.8
123.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.7	0.7	0.6	0.8
124°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.7	0.7	0.7	0.8
124.5°	0.4	0.4	0.4	0.4	0.9	0.8	0.8	0.8	0.8	0.7	0.8
125°	0.4	0.4	0.4	0.4	0.9	0.8	0.8	0.8	0.8	0.8	0.8
125.5°	0.4	0.4	0.4	0.4	0.8	0.9	0.8	0.8	0.8	0.8	0.8
126°	0.4	0.4	0.4	0.4	0.8	0.9	0.9	0.8	0.8	0.8	0.8
126.5°	0.4	0.4	0.4	0.4	0.8	0.9	0.9	0.8	0.8	0.8	0.9
127°	0.6	0.4	0.4	0.4	0.8	0.9	0.8	0.8	0.9	0.8	0.9
127.5°	0.6	0.4	0.4	0.4	1.0	0.9	0.8	0.8	0.8	0.8	0.8
128°	0.7	0.4	0.4	0.4	1.0	0.9	0.8	0.8	0.8	0.8	0.8
128.5°	0.7	0.4	0.4	0.4	0.9	0.9	0.9	0.8	0.8	0.8	0.8
129°	0.8	0.4	0.4	0.5	0.9	1.0	0.8	0.9	0.8	0.8	0.8
129.5°	0.7	0.5	0.4	0.5	1.0	1.0	0.8	0.9	0.8	0.8	0.9
130°	0.9	0.5	0.4	0.5	1.0	1.0	1.0	0.9	0.8	0.9	0.9
130.5°	0.9	0.6	0.5	0.5	1.0	1.0	1.0	0.9	0.9	0.9	0.9
131°	0.9	0.6	0.7	0.6	1.0	1.0	0.9	0.9	0.9	0.8	0.9
131.5°	0.9	0.8	0.7	0.8	1.0	1.0	0.9	0.9	0.9	0.8	1.0
132°	0.9	0.8	0.8	0.8	1.1	1.0	0.9	0.9	0.9	0.8	0.9
132.5°	0.9	0.8	0.8	0.8	1.1	1.0	0.9	0.9	0.9	0.8	1.0
133°	0.9	0.9	0.8	0.9	1.0	1.0	1.0	0.9	1.0	0.8	1.0
133.5°	0.9	0.9	0.8	0.9	1.1	1.0	1.0	0.9	1.0	0.8	1.0



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.9	1.0	1.0	1.0	1.2	1.1	1.0	1.0	1.0	0.9	1.0
135.5°	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.1	0.9	1.0
136°	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.1	0.9	1.1
136.5°	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.1	1.0	1.0
137°	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.1	1.0	1.2
137.5°	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.0	1.2
138°	0.9	1.0	1.0	1.0	1.1	1.2	1.1	1.1	1.1	1.0	1.2
138.5°	0.9	1.0	1.0	1.0	1.1	1.2	1.2	1.0	1.2	1.0	1.2
139°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.2	1.0	1.2
139.5°	0.9	1.0	1.0	1.0	1.2	1.2	1.1	1.1	1.2	1.0	1.2
140°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.2	1.0	1.2
140.5°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.1	1.2
141°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.3	1.1	1.2
141.5°	0.9	1.0	1.0	1.0	1.2	1.3	1.2	1.1	1.3	1.2	1.3
142°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.3	1.2	1.2
142.5°	0.9	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.2	1.1	1.2
143°	0.9	1.0	1.0	1.0	1.3	1.2	1.3	1.1	1.3	1.1	1.3
143.5°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.2	1.3	1.1	1.3
144°	0.9	1.0	1.0	1.0	1.3	1.3	1.3	1.2	1.3	1.2	1.3
144.5°	0.9	1.0	1.0	1.0	1.3	1.3	1.3	1.2	1.3	1.2	1.3
145°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.2	1.3	1.2	1.4
145.5°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.2	1.3	1.2	1.3
146°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.2	1.4
146.5°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.2	1.4
147°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.4
147.5°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.4
148°	1.1	1.0	1.0	1.0	1.3	1.4	1.4	1.4	1.5	1.3	1.4
148.5°	1.1	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.5	1.3	1.4
149°	1.2	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.3	1.4
149.5°	1.2	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.5	1.3	1.4
150°	1.2	1.0	1.0	1.1	1.4	1.4	1.3	1.4	1.5	1.3	1.4
150.5°	1.2	1.0	1.0	1.1	1.5	1.5	1.5	1.5	1.5	1.4	1.4
151°	1.2	1.1	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
151.5°	1.2	1.0	1.0	1.1	1.5	1.5	1.4	1.5	1.5	1.4	1.5
152°	1.2	1.0	1.2	1.1	1.5	1.5	1.4	1.5	1.6	1.4	1.5
152.5°	1.2	1.0	1.2	1.1	1.6	1.5	1.4	1.5	1.6	1.5	1.5
153°	1.3	1.1	1.2	1.2	1.5	1.5	1.4	1.5	1.5	1.5	1.5
153.5°	1.3	1.1	1.2	1.1	1.6	1.5	1.4	1.5	1.5	1.5	1.6
154°	1.3	1.2	1.2	1.1	1.6	1.5	1.4	1.5	1.7	1.6	1.6
154.5°	1.3	1.2	1.2	1.2	1.7	1.6	1.4	1.5	1.7	1.6	1.5
155°	1.3	1.3	1.2	1.1	1.6	1.6	1.4	1.5	1.6	1.6	1.5
155.5°	1.3	1.3	1.2	1.2	1.6	1.7	1.4	1.5	1.6	1.7	1.6
156°	1.3	1.3	1.3	1.2	1.6	1.7	1.4	1.5	1.6	1.7	1.6



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.5	1.3	1.3	1.2	1.6	1.7	1.4	1.5	1.6	1.7	1.7
158°	1.6	1.3	1.3	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.7
158.5°	1.6	1.5	1.4	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.7
159°	1.7	1.5	1.4	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.8
159.5°	1.7	1.6	1.5	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.9
160°	1.9	1.6	1.6	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.9
160.5°	1.8	1.7	1.6	1.4	1.6	1.7	1.4	1.5	1.6	1.7	1.8
161°	1.8	1.8	1.5	1.6	1.6	1.7	1.4	1.5	1.6	1.7	1.8
161.5°	1.9	1.8	1.6	1.5	1.6	1.7	1.4	1.5	1.6	1.7	1.8
162°	1.9	1.8	1.6	1.5	1.6	1.7	1.4	1.5	1.6	1.7	1.8
162.5°	1.9	1.8	1.6	1.6	1.6	1.7	1.4	1.5	1.6	1.7	1.8
163°	1.9	1.9	1.7	1.8	1.6	1.7	1.4	1.5	1.6	1.7	1.8
163.5°	2.0	2.0	1.7	1.7	1.6	1.7	1.4	1.5	1.6	1.7	1.8
164°	2.0	2.0	1.7	1.7	1.6	1.7	1.4	1.5	1.6	1.7	1.8
164.5°	1.9	2.1	1.7	1.7	1.6	1.7	1.4	1.5	1.6	1.7	1.8
165°	1.9	2.0	1.8	1.8	1.6	1.7	1.4	1.5	1.6	1.7	1.8
165.5°	1.9	2.0	1.7	1.8	1.6	1.7	1.4	1.5	1.6	1.7	1.8
166°	1.9	2.0	1.7	1.8	1.6	1.7	1.4	1.5	1.6	1.7	1.8
166.5°	1.9	2.0	1.7	1.8	1.6	1.7	1.4	1.5	1.6	1.7	1.8
167°	1.9	2.0	1.8	1.8	1.6	1.7	1.4	1.5	1.6	1.6	1.8
167.5°	1.9	2.0	1.8	1.8	1.6	1.7	1.4	1.5	1.7	1.5	1.7
168°	1.9	2.0	1.8	1.8	1.6	1.8	1.4	1.5	1.7	1.5	1.5
168.5°	1.9	2.0	1.8	1.8	1.6	1.8	1.3	1.5	1.5	1.5	1.5
169°	1.9	2.0	1.8	1.8	1.6	1.7	1.3	1.5	1.5	1.5	1.5
169.5°	1.9	2.0	1.8	1.8	1.5	1.7	1.3	1.5	1.5	1.5	1.5
170°	1.9	2.0	1.8	1.8	1.5	1.7	1.3	1.5	1.5	1.5	1.5
170.5°	1.9	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
171°	1.9	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
171.5°	1.9	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
172°	2.0	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
172.5°	2.0	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
173°	1.9	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
173.5°	1.9	2.0	1.8	1.8	1.5	1.5	1.3	1.5	1.5	1.5	1.5
174°	1.9	1.9	1.8	1.8	1.5	1.4	1.3	1.5	1.5	1.5	1.5
174.5°	1.9	1.9	1.8	1.8	1.5	1.3	1.3	1.5	1.5	1.5	1.5
175°	1.8	1.8	1.8	1.8	1.5	1.3	1.3	1.5	1.5	1.5	1.5
175.5°	1.8	1.9	1.8	1.8	1.5	1.3	1.3	1.5	1.5	1.5	1.5
176°	1.7	1.8	1.8	1.8	1.5	1.3	1.3	1.5	1.5	1.5	1.5
176.5°	1.8	1.8	1.9	1.8	1.5	1.2	1.3	1.5	1.5	1.5	1.5
177°	1.7	1.7	1.7	1.9	1.5	1.2	1.3	1.5	1.5	1.5	1.5
177.5°	1.6	1.6	1.7	1.7	1.5	1.3	1.3	1.5	1.5	1.5	1.5
178°	1.6	1.6	1.6	1.7	1.5	1.2	1.3	1.5	1.5	1.5	1.5
178.5°	1.5	1.6	1.6	1.6	1.5	1.2	1.3	1.5	1.5	1.5	1.5



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	319.0	319.0	319.0	319.0	319.0	319.0
0.5°	318.2	319.2	319.5	319.2	319.0	318.8
1°	318.0	319.2	319.5	319.2	318.8	318.7
1.5°	318.0	319.2	319.5	319.2	318.9	318.5
2°	317.8	319.2	319.5	319.3	318.9	318.5
2.5°	317.6	318.8	319.5	319.1	318.7	318.6
3°	317.5	318.6	319.4	319.1	318.4	318.6
3.5°	317.5	318.4	319.1	319.0	318.3	318.4
4°	317.1	318.0	318.9	318.6	318.0	318.3
4.5°	317.0	317.8	318.5	318.2	317.7	318.0
5°	316.7	317.6	318.1	317.7	317.5	317.6
5.5°	316.2	317.1	317.8	317.3	317.3	316.9
6°	315.9	316.6	317.5	317.0	316.8	316.6
6.5°	315.5	316.1	317.2	316.4	316.7	316.2
7°	314.9	315.8	316.5	315.8	316.0	315.7
7.5°	314.4	315.0	315.7	315.0	315.7	315.0
8°	313.9	314.3	315.3	314.8	314.9	314.4
8.5°	313.2	313.9	314.5	314.2	314.1	314.0
9°	312.6	313.6	314.0	314.0	313.6	313.3
9.5°	312.0	313.0	313.2	313.0	313.0	312.4
10°	311.2	312.0	312.4	312.4	312.1	311.7
10.5°	311.0	311.4	311.7	311.4	311.4	310.9
11°	310.3	310.5	311.1	310.7	310.8	310.3
11.5°	309.5	309.6	310.1	310.0	309.8	309.3
12°	308.8	308.6	309.3	309.3	308.9	308.7
12.5°	307.8	307.9	308.6	308.5	308.1	307.2
13°	307.0	307.1	307.4	307.5	307.3	306.3
13.5°	306.1	306.2	306.6	306.7	306.2	305.5
14°	305.3	305.1	305.5	305.4	305.2	304.9
14.5°	304.4	304.0	304.4	304.8	304.2	303.5
15°	303.3	303.1	303.6	303.4	303.1	302.7
15.5°	302.3	302.0	302.3	302.2	302.0	301.6
16°	301.3	300.4	301.4	301.0	301.0	300.3
16.5°	300.4	299.1	300.3	299.8	299.6	299.0
17°	299.1	298.2	299.0	298.7	298.1	298.1
17.5°	297.7	297.0	297.6	297.1	297.0	296.8
18°	296.5	295.6	296.0	295.5	295.5	295.3
18.5°	295.3	294.2	294.7	294.2	294.1	293.8
19°	294.1	293.1	293.3	292.7	292.5	292.5
19.5°	292.5	291.2	291.7	291.1	291.0	291.1
20°	291.0	289.9	290.6	289.8	289.9	289.7
20.5°	289.5	288.1	288.9	288.1	288.1	288.1
21°	288.1	287.1	287.1	286.5	286.6	286.4



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	283.4	282.0	282.5	281.8	281.8	281.2
23°	281.9	280.2	280.6	280.0	280.1	279.7
23.5°	280.2	278.3	279.0	278.1	278.4	278.1
24°	278.5	276.4	277.4	276.2	276.5	276.3
24.5°	276.8	274.6	275.3	274.4	274.6	274.3
25°	275.0	272.4	273.5	272.6	272.6	272.5
25.5°	273.1	270.6	271.3	270.7	270.8	270.8
26°	271.0	268.6	269.2	268.8	268.6	268.6
26.5°	268.9	266.6	267.1	266.7	266.6	266.9
27°	266.9	264.5	264.9	264.7	264.7	264.5
27.5°	264.9	262.4	262.8	262.5	262.5	262.4
28°	262.8	260.0	260.6	260.4	260.2	260.3
28.5°	260.6	257.9	258.6	258.1	258.1	258.1
29°	258.4	255.6	256.2	255.9	255.8	255.8
29.5°	256.1	253.4	253.9	253.5	253.6	253.6
30°	253.9	251.4	251.6	251.4	251.4	251.5
30.5°	251.6	248.9	249.3	248.9	249.0	248.8
31°	249.3	246.6	247.0	246.5	246.6	246.7
31.5°	246.8	244.0	244.5	244.1	244.1	244.1
32°	244.5	241.3	241.9	241.6	241.5	241.7
32.5°	241.9	238.9	239.3	239.0	239.0	239.2
33°	239.4	236.2	236.4	236.6	236.3	236.5
33.5°	236.8	233.6	234.0	234.0	233.8	233.9
34°	234.1	230.9	231.3	231.2	231.1	231.5
34.5°	231.3	228.4	228.7	228.4	228.4	228.9
35°	228.6	225.6	225.8	225.6	225.7	226.3
35.5°	225.9	222.8	223.1	222.8	223.1	223.2
36°	223.3	220.2	220.2	220.2	220.4	220.5
36.5°	220.3	217.5	217.7	217.5	217.7	217.8
37°	217.7	214.8	214.9	214.5	214.9	215.1
37.5°	214.7	212.2	212.1	211.8	212.0	212.2
38°	211.8	209.1	209.1	208.8	209.1	209.2
38.5°	209.0	206.2	205.9	206.0	206.3	206.6
39°	205.9	203.3	203.1	203.1	203.2	203.6
39.5°	202.8	200.2	200.3	200.1	200.3	200.7
40°	199.6	197.2	197.3	197.2	197.4	197.8
40.5°	196.5	194.3	194.3	194.1	194.3	194.7
41°	193.2	191.2	191.2	191.0	191.1	191.6
41.5°	190.0	188.1	188.1	187.9	188.0	188.3
42°	186.5	184.7	184.9	184.8	185.1	185.4
42.5°	183.2	181.6	181.7	181.7	182.0	182.3
43°	179.8	178.2	178.4	178.6	178.8	179.1
43.5°	176.2	174.8	175.1	175.1	175.6	176.0



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	165.9	164.5	164.8	165.0	165.5	165.9
45.5°	162.4	160.9	161.5	161.7	162.2	162.7
46°	158.7	157.3	157.9	158.1	158.8	159.2
46.5°	155.2	154.0	154.3	154.7	155.3	155.8
47°	151.8	150.5	151.0	151.3	152.1	152.6
47.5°	148.3	147.0	147.7	148.2	148.7	149.3
48°	144.9	143.4	144.2	144.8	145.4	145.9
48.5°	141.3	140.1	140.7	141.5	141.9	142.6
49°	137.9	136.6	137.4	138.0	138.6	139.2
49.5°	134.3	133.1	133.9	134.6	135.1	135.8
50°	131.0	129.7	130.4	131.1	131.9	132.4
50.5°	127.5	126.3	127.1	127.8	128.4	129.1
51°	124.2	122.9	123.8	124.4	125.1	125.7
51.5°	120.9	119.9	120.4	121.1	121.8	122.4
52°	117.6	116.4	117.1	117.9	118.5	119.1
52.5°	114.4	113.1	113.8	114.6	115.3	115.9
53°	111.2	109.7	110.6	111.4	112.1	112.6
53.5°	107.9	106.6	107.4	108.1	108.8	109.4
54°	104.7	103.4	104.2	104.9	105.6	106.1
54.5°	101.6	100.1	100.9	101.9	102.4	102.9
55°	98.4	97.1	97.8	98.7	99.3	99.7
55.5°	95.4	93.9	94.7	95.5	96.1	96.6
56°	92.2	90.7	91.5	92.4	92.8	93.4
56.5°	89.1	87.6	88.4	89.2	89.7	90.3
57°	86.2	84.7	85.5	86.4	86.9	87.4
57.5°	83.1	81.6	82.5	83.4	83.9	84.5
58°	80.1	78.9	79.7	80.6	80.9	81.5
58.5°	77.1	76.0	76.8	77.7	78.2	78.7
59°	74.2	73.2	74.0	74.7	75.3	75.7
59.5°	71.3	70.3	71.1	72.0	72.5	73.1
60°	68.5	67.6	68.4	69.2	69.9	70.2
60.5°	65.5	65.1	65.7	66.4	67.1	67.5
61°	62.9	62.3	62.9	63.7	64.4	64.8
61.5°	60.1	59.6	60.1	61.0	61.7	62.2
62°	57.5	57.0	57.7	58.4	59.0	59.5
62.5°	54.8	54.5	55.2	55.9	56.5	57.0
63°	52.4	52.0	52.6	53.4	54.1	54.6
63.5°	49.9	49.4	50.1	50.7	51.5	52.0
64°	47.4	47.0	47.6	48.3	49.1	49.6
64.5°	45.0	44.6	45.2	45.8	46.5	47.1
65°	42.7	42.3	42.9	43.5	44.1	44.7
65.5°	40.5	40.0	40.6	41.1	41.7	42.3
66°	38.2	38.0	38.4	38.9	39.5	40.1



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	32.1	31.6	32.0	32.4	33.0	33.6
68°	30.2	29.7	30.1	30.5	31.0	31.5
68.5°	28.4	27.9	28.3	28.7	29.1	29.6
69°	26.5	26.3	26.4	26.9	27.3	27.8
69.5°	25.0	24.6	24.8	25.2	25.6	25.9
70°	23.3	23.1	23.3	23.6	23.9	24.2
70.5°	21.8	21.9	22.1	22.2	22.4	22.7
71°	20.6	20.5	20.6	20.9	21.1	21.4
71.5°	19.2	19.2	19.3	19.5	19.8	20.0
72°	18.1	18.0	18.1	18.3	18.5	18.7
72.5°	17.0	16.9	17.0	17.1	17.3	17.5
73°	15.8	15.8	16.0	16.1	16.2	16.5
73.5°	14.8	14.9	15.0	15.1	15.2	15.4
74°	13.8	14.0	14.1	14.1	14.2	14.4
74.5°	12.9	13.1	13.2	13.3	13.4	13.6
75°	12.0	12.3	12.4	12.5	12.5	12.7
75.5°	11.3	11.6	11.6	11.6	11.7	11.9
76°	10.6	10.8	10.8	10.9	11.0	11.1
76.5°	9.9	10.2	10.1	10.2	10.2	10.4
77°	9.1	9.5	9.5	9.5	9.6	9.7
77.5°	8.5	8.8	8.9	8.9	8.9	9.1
78°	7.9	8.2	8.2	8.3	8.3	8.4
78.5°	7.2	7.7	7.6	7.7	7.7	7.8
79°	6.7	7.1	7.0	7.1	7.1	7.2
79.5°	6.0	6.5	6.6	6.5	6.6	6.6
80°	5.6	6.0	6.0	5.9	6.0	5.9
80.5°	5.0	5.5	5.5	5.5	5.5	5.5
81°	4.9	5.0	5.0	5.1	5.0	5.0
81.5°	4.2	4.7	4.7	4.7	4.7	4.6
82°	3.8	4.4	4.4	4.4	4.3	4.2
82.5°	3.7	4.1	4.1	4.0	4.0	3.8
83°	3.2	3.9	3.7	3.8	3.6	3.6
83.5°	2.9	3.5	3.5	3.5	3.3	3.2
84°	2.7	3.2	3.2	3.1	2.9	2.8
84.5°	2.4	2.9	2.9	2.9	2.6	2.6
85°	2.1	2.6	2.6	2.6	2.3	2.2
85.5°	1.8	2.4	2.4	2.3	2.0	2.0
86°	1.7	2.1	2.1	2.0	1.7	1.7
86.5°	1.3	1.9	1.9	1.8	1.5	1.4
87°	1.0	1.6	1.6	1.5	1.3	1.1
87.5°	0.8	1.4	1.3	1.3	1.0	1.0
88°	0.7	1.2	1.2	1.0	0.9	0.8
88.5°	0.4	0.9	0.9	0.9	0.8	0.7



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.4	0.4	0.4	0.4	0.4	0.4
90.5°	0.4	0.4	0.4	0.4	0.4	0.4
91°	0.4	0.4	0.4	0.4	0.4	0.4
91.5°	0.4	0.4	0.4	0.4	0.4	0.4
92°	0.4	0.4	0.4	0.4	0.4	0.4
92.5°	0.4	0.4	0.4	0.4	0.4	0.4
93°	0.4	0.4	0.4	0.4	0.4	0.4
93.5°	0.4	0.4	0.4	0.4	0.4	0.4
94°	0.4	0.4	0.4	0.4	0.4	0.4
94.5°	0.4	0.4	0.4	0.4	0.4	0.4
95°	0.4	0.4	0.4	0.4	0.4	0.4
95.5°	0.4	0.4	0.4	0.4	0.4	0.4
96°	0.4	0.4	0.4	0.4	0.4	0.4
96.5°	0.4	0.4	0.4	0.4	0.4	0.4
97°	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.4	0.4	0.4	0.4	0.4	0.4
98°	0.4	0.4	0.4	0.4	0.4	0.4
98.5°	0.4	0.4	0.4	0.4	0.4	0.4
99°	0.4	0.4	0.4	0.4	0.4	0.4
99.5°	0.4	0.4	0.4	0.4	0.4	0.4
100°	0.4	0.4	0.4	0.4	0.4	0.4
100.5°	0.4	0.4	0.4	0.4	0.4	0.4
101°	0.4	0.4	0.4	0.4	0.4	0.4
101.5°	0.4	0.4	0.4	0.4	0.4	0.4
102°	0.4	0.4	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4	0.4
103°	0.4	0.4	0.4	0.4	0.4	0.4
103.5°	0.4	0.4	0.4	0.4	0.4	0.4
104°	0.4	0.4	0.4	0.4	0.4	0.4
104.5°	0.4	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4	0.4
105.5°	0.4	0.4	0.4	0.4	0.4	0.4
106°	0.4	0.4	0.4	0.4	0.4	0.4
106.5°	0.4	0.4	0.4	0.4	0.4	0.4
107°	0.4	0.4	0.4	0.4	0.4	0.4
107.5°	0.4	0.4	0.4	0.4	0.4	0.4
108°	0.5	0.4	0.4	0.4	0.4	0.4
108.5°	0.5	0.4	0.4	0.4	0.4	0.4
109°	0.5	0.4	0.4	0.4	0.4	0.4
109.5°	0.6	0.4	0.4	0.4	0.4	0.4
110°	0.6	0.4	0.4	0.4	0.4	0.4
110.5°	0.5	0.4	0.4	0.4	0.4	0.4
111°	0.5	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.4	0.4	0.4	0.4	0.4
113°	0.6	0.4	0.4	0.4	0.4	0.4
113.5°	0.6	0.4	0.4	0.4	0.4	0.4
114°	0.6	0.4	0.4	0.4	0.4	0.4
114.5°	0.6	0.4	0.4	0.4	0.4	0.4
115°	0.6	0.4	0.4	0.4	0.4	0.4
115.5°	0.6	0.4	0.4	0.4	0.4	0.4
116°	0.6	0.4	0.4	0.4	0.4	0.4
116.5°	0.6	0.4	0.4	0.4	0.4	0.4
117°	0.6	0.4	0.4	0.4	0.4	0.4
117.5°	0.6	0.4	0.4	0.4	0.4	0.4
118°	0.7	0.4	0.4	0.4	0.4	0.4
118.5°	0.7	0.4	0.4	0.4	0.4	0.4
119°	0.6	0.4	0.4	0.4	0.4	0.4
119.5°	0.6	0.4	0.4	0.4	0.4	0.4
120°	0.6	0.4	0.4	0.4	0.4	0.4
120.5°	0.6	0.4	0.4	0.4	0.4	0.4
121°	0.6	0.4	0.4	0.4	0.4	0.4
121.5°	0.6	0.4	0.4	0.4	0.4	0.4
122°	0.6	0.4	0.4	0.4	0.4	0.4
122.5°	0.8	0.4	0.4	0.4	0.4	0.4
123°	0.8	0.4	0.4	0.4	0.4	0.4
123.5°	0.7	0.4	0.4	0.4	0.4	0.4
124°	0.7	0.4	0.4	0.4	0.4	0.4
124.5°	0.8	0.4	0.5	0.4	0.4	0.4
125°	0.8	0.4	0.6	0.4	0.4	0.4
125.5°	0.8	0.4	0.6	0.5	0.4	0.4
126°	0.8	0.4	0.6	0.5	0.4	0.4
126.5°	0.8	0.4	0.6	0.6	0.4	0.4
127°	0.8	0.4	0.6	0.6	0.4	0.6
127.5°	0.8	0.4	0.8	0.6	0.4	0.6
128°	0.8	0.5	0.9	0.8	0.4	0.7
128.5°	0.8	0.4	0.9	0.9	0.4	0.7
129°	0.9	0.6	1.0	0.9	0.4	0.8
129.5°	0.9	0.5	1.0	0.9	0.4	0.7
130°	0.9	0.6	1.0	0.9	0.6	0.9
130.5°	0.9	0.7	1.0	1.0	0.6	0.9
131°	0.9	0.8	1.0	1.0	0.7	0.9
131.5°	1.0	0.8	1.0	1.0	0.9	0.9
132°	1.0	0.8	1.0	1.0	0.9	0.9
132.5°	1.0	0.9	1.0	1.0	0.9	0.9
133°	1.0	0.8	1.0	1.0	0.9	0.9
133.5°	1.0	0.8	1.0	1.0	0.9	0.9



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.5	1.2	1.2	1.2	1.5	1.5
158°	1.5	1.2	1.2	1.2	1.5	1.6
158.5°	1.5	1.2	1.2	1.2	1.6	1.6
159°	1.5	1.2	1.3	1.2	1.6	1.7
159.5°	1.5	1.2	1.2	1.3	1.7	1.7
160°	1.5	1.2	1.2	1.2	1.7	1.9
160.5°	1.5	1.2	1.2	1.2	1.7	1.8
161°	1.5	1.2	1.2	1.3	1.7	1.8
161.5°	1.5	1.2	1.2	1.3	1.7	1.9
162°	1.5	1.2	1.3	1.4	1.8	1.9
162.5°	1.5	1.2	1.3	1.4	1.8	1.9
163°	1.5	1.2	1.3	1.4	1.8	1.9
163.5°	1.5	1.2	1.3	1.5	1.8	2.0
164°	1.5	1.2	1.3	1.5	1.8	2.0
164.5°	1.5	1.2	1.3	1.5	1.8	1.9
165°	1.5	1.2	1.3	1.5	1.8	1.9
165.5°	1.5	1.2	1.3	1.5	1.8	1.9
166°	1.5	1.2	1.3	1.5	1.8	1.9
166.5°	1.5	1.2	1.3	1.5	1.8	1.9
167°	1.5	1.2	1.3	1.5	1.9	1.9
167.5°	1.5	1.2	1.3	1.5	1.9	1.9
168°	1.5	1.2	1.3	1.5	1.9	1.9
168.5°	1.5	1.2	1.3	1.5	1.9	1.9
169°	1.5	1.2	1.3	1.5	1.9	1.9
169.5°	1.5	1.2	1.3	1.5	1.9	1.9
170°	1.5	1.2	1.3	1.5	1.9	1.9
170.5°	1.5	1.2	1.3	1.5	1.9	1.9
171°	1.5	1.2	1.3	1.5	1.9	1.9
171.5°	1.5	1.2	1.3	1.5	1.9	1.9
172°	1.5	1.2	1.3	1.5	1.9	2.0
172.5°	1.5	1.2	1.3	1.5	1.9	2.0
173°	1.5	1.2	1.3	1.5	1.9	1.9
173.5°	1.5	1.2	1.3	1.5	1.9	1.9
174°	1.5	1.2	1.3	1.5	1.9	1.9
174.5°	1.5	1.2	1.3	1.5	1.9	1.9
175°	1.5	1.2	1.3	1.5	1.9	1.8
175.5°	1.5	1.2	1.3	1.5	1.7	1.8
176°	1.5	1.2	1.3	1.5	1.7	1.7
176.5°	1.5	1.2	1.3	1.5	1.8	1.8
177°	1.5	1.2	1.3	1.5	1.7	1.7
177.5°	1.5	1.2	1.3	1.5	1.7	1.6
178°	1.5	1.2	1.3	1.5	1.5	1.6
178.5°	1.5	1.2	1.3	1.5	1.5	1.5



TEST NUMBER: A2016654B001

CATALOG NUMBER: LTSS56069FS351EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.5	1.5	1.5	1.5	1.5	1.5



Report Generated By E9808895 / USPTCWHP6082093





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







21.5°	285.0	285.2	285.1	285.0	286.3	287.3	286.3	286.5	286.1	286.8	286.9
22°	283.1	283.6	283.6	283.4	284.7	285.9	284.7	285.1	284.7	285.4	285.3



44°	172.6	173.4	173.3	173.1	174.7	175.2	175.1	174.9	174.1	173.5	173.1
44.5°	169.3	170.1	170.0	169.7	171.3	171.9	171.6	171.6	170.4	169.9	169.5



66.5°	38.0	38.4	38.5	38.1	38.8	38.7	38.3	37.6	36.6	36.1	36.0
67°	35.7	36.1	36.2	35.9	36.6	36.6	36.2	35.4	34.6	34.0	34.0



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



111.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5
112°	0.4	0.4	0.4	0.4	0.6	0.6	0.5	0.5	0.5	0.5	0.6



134°	0.9	0.9	1.0	0.9	1.1	1.0	1.0	1.0	1.0	1.0	1.0
134.5°	0.9	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0



156.5°	1.4	1.3	1.2	1.2	1.6	1.7	1.4	1.5	1.6	1.7	1.6
157°	1.5	1.3	1.3	1.3	1.6	1.7	1.4	1.5	1.6	1.7	1.7



179°	1.5	1.5	1.6	1.6	1.5	1.2	1.3	1.5	1.5	1.5	1.5
179.5°	1.5	1.5	1.6	1.5	1.5	1.2	1.3	1.5	1.5	1.5	1.5





21.5°	286.5	285.3	285.4	284.8	285.0	285.0
22°	285.0	283.8	284.0	283.5	283.5	283.1



44°	172.8	171.2	171.7	171.6	172.1	172.6
44.5°	169.2	168.0	168.2	168.2	168.8	169.3



66.5°	36.1	35.7	36.1	36.7	37.3	38.0
67°	34.0	33.6	34.1	34.5	35.1	35.7



89°	0.4	0.7	0.7	0.7	0.6	0.5
89.5°	0.4	0.5	0.4	0.5	0.5	0.4



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



134°	1.0	1.0	1.0	1.0	1.0	0.9
134.5°	1.0	0.9	1.0	1.0	1.0	0.9



156.5°	1.5	1.1	1.1	1.2	1.3	1.4
157°	1.5	1.2	1.2	1.2	1.3	1.5



179°	1.5	1.2	1.3	1.5	1.5	1.5
179.5°	1.5	1.2	1.3	1.5	1.5	1.5



(END OF REPORT)