

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: A2016275H001

Luminaire Tested: **LTSS56069FS231EWHWR**

Test Date: 2020-09-10



Test Information

Test Method: LM-41-14
Report Number: A2016275H001
Test Lab: EVERFINE
Test Date: 2020-09-10
Issue Date: 2020-09-10 14:59:49
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LTSS56069FS231EWHWR
Description: LTSS56069FS231EWHWR
Light Source: -
Ballast/Driver: -

Summary

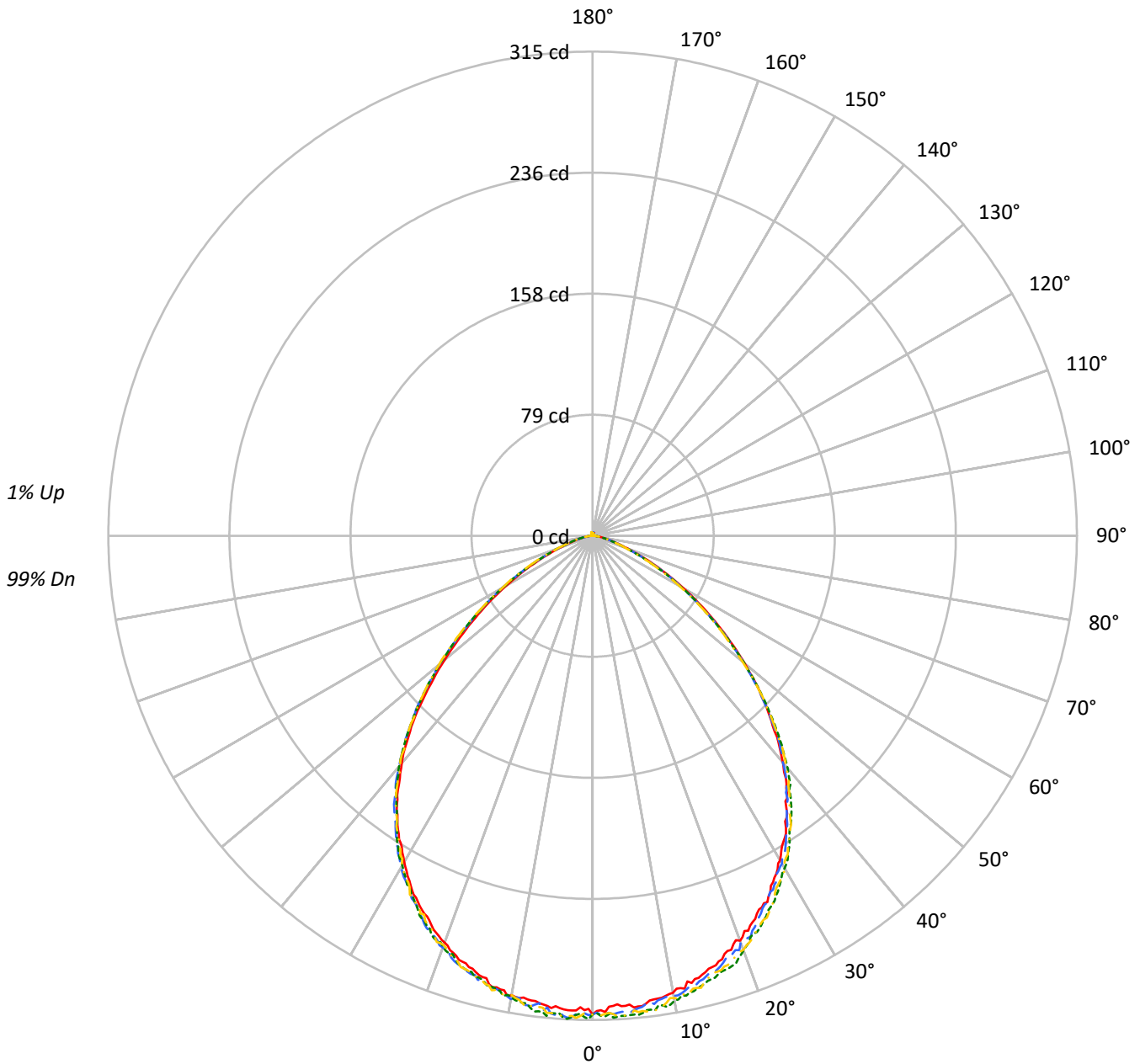
Lumens per Lamp: N/A
Luminaire Lumens: 649.3 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6.93969
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99																			
1	111	107	103	100	108	105	101	99	100	98	95	96	94	92	93	91	90	88																			
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66																			
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	70	62	56	79	68	61	55	66	60	55	64	59	54	63	57	53	52																			
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17072	17072	17072	17072
5°	16956	17210	16973	17159
10°	16803	17091	16892	16965
15°	16551	16951	16675	16860
20°	16360	16750	16431	16608
25°	15954	16298	16082	16254
30°	15433	15816	15508	15666
35°	14764	15073	14818	14864
40°	13782	14116	13819	14019
45°	12505	12639	12494	12662
50°	10992	10980	10726	11089
55°	9321	9119	8911	9274
60°	7468	7255	7078	7413
65°	5619	5370	5234	5549
70°	3832	3597	3534	3825
75°	2662	2532	2509	2680
80°	1974	1816	1818	2027
85°	1662	1372	1312	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	4.5
10°-20°	83.4	12.9
20°-30°	123.1	19.0
30°-40°	138.8	21.4
40°-50°	124.8	19.2
50°-60°	86.0	13.2
60°-70°	42.5	6.5
70°-80°	13.7	2.1
80°-90°	2.9	0.4
90°-100°	0.3	0.1
100°-110°	0.4	0.1
110°-120°	0.4	0.1
120°-130°	0.6	0.1
130°-140°	0.7	0.1
140°-150°	0.7	0.1
150°-160°	0.7	0.1
160°-170°	0.5	0.1
170°-180°	0.2	0.0
0°-30°	235.9	36.3
0°-40°	374.8	57.7
0°-60°	585.6	90.2
0°-90°	644.7	99.3
90°-120°	1.2	0.2
90°-150°	3.2	0.5
90°-180°	5.0	0.8
0°-180°	649.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	311	311	311	311	311	
5°	308	313	308	312	308	29
15°	292	299	294	297	292	82
25°	264	269	266	269	264	121
35°	221	225	221	222	221	137
45°	161	163	161	163	161	124
55°	98	95	93	97	98	87
65°	43	41	40	43	43	44
75°	13	12	12	13	13	14
85°	3	2	2	3	3	3
90°	0	0	0	1	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	1	1	0	0	0
125°	1	1	1	1	1	1
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	2	1	2	2	2	1
165°	2	1	2	2	2	1
175°	2	1	1	2	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°	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4
0.5°	309.2	312.4	310.3	310.5	310.6	312.2	312.1	311.3	307.8	312.6	311.9
1°	308.6	312.0	311.6	312.1	312.4	312.8	312.3	310.6	308.7	312.6	310.6
1.5°	310.0	311.2	310.5	312.8	312.8	311.8	311.1	310.1	306.8	313.3	310.7
2°	306.6	313.4	310.6	312.8	311.3	310.9	310.5	310.6	309.1	312.3	311.6
2.5°	306.2	309.8	311.7	309.9	313.8	311.6	311.5	310.9	309.1	311.4	313.6
3°	305.3	311.3	310.9	310.9	313.2	312.2	313.2	310.8	309.1	312.6	314.0
3.5°	306.6	312.6	310.4	309.2	312.9	311.8	313.3	310.6	308.7	312.8	313.0
4°	306.6	309.8	310.3	309.2	313.2	311.8	312.7	309.4	308.0	311.2	310.5
4.5°	305.9	310.5	311.3	311.0	312.9	309.5	312.4	309.9	307.1	312.6	312.6
5°	308.1	310.2	309.9	310.8	312.7	309.1	310.1	310.3	308.4	311.3	312.0
5.5°	307.6	308.3	308.8	307.9	313.1	309.9	311.4	309.0	307.2	310.6	308.3
6°	307.8	309.1	308.2	307.2	312.2	308.2	310.9	307.5	306.6	310.5	311.0
6.5°	306.4	306.9	306.5	308.1	310.7	307.2	311.6	307.5	306.1	308.0	306.1
7°	304.6	309.0	305.5	307.2	310.6	309.2	310.9	306.3	304.9	310.8	307.3
7.5°	304.3	306.9	307.3	307.2	311.4	307.6	311.4	307.1	305.0	309.8	308.8
8°	304.1	305.3	305.2	307.5	308.5	306.6	310.7	308.0	304.5	307.6	308.3
8.5°	304.0	305.8	304.6	307.2	309.0	307.4	309.5	305.9	303.8	308.8	308.9
9°	303.1	306.0	303.8	306.5	310.3	305.9	307.5	304.7	304.6	307.1	304.5
9.5°	302.4	304.7	304.0	304.2	309.0	306.7	305.0	306.3	304.2	306.2	304.4
10°	301.9	304.9	303.9	302.6	307.0	305.2	305.5	307.4	303.5	305.6	306.1
10.5°	299.7	303.7	304.1	301.5	306.9	305.1	306.2	304.6	304.7	305.0	304.8
11°	299.8	303.0	303.3	302.2	304.7	303.8	305.2	302.8	301.3	305.3	302.6
11.5°	300.7	303.5	301.9	301.8	305.3	304.4	302.7	303.3	301.2	304.8	302.2
12°	296.4	302.1	300.3	301.8	303.7	303.2	303.7	301.1	300.4	303.2	301.3
12.5°	298.1	300.3	300.2	298.0	303.5	301.5	301.7	300.0	300.9	301.7	301.5
13°	295.9	299.2	299.7	299.0	302.3	298.5	301.9	299.5	299.5	301.6	300.3
13.5°	295.8	298.8	297.9	298.5	301.5	297.4	302.5	299.2	295.9	301.2	299.8
14°	294.3	297.0	297.3	299.8	300.6	300.0	299.6	299.4	296.0	300.6	298.5
14.5°	293.3	296.3	295.8	297.4	299.1	295.4	297.4	296.6	295.3	298.9	298.4
15°	291.6	295.9	294.4	294.6	298.7	295.4	297.3	296.3	293.8	300.8	295.8
15.5°	291.2	294.6	295.1	293.6	298.4	296.2	295.0	295.3	292.4	297.9	296.0
16°	290.7	294.0	293.7	293.0	296.7	294.0	295.1	293.8	291.9	294.7	295.1
16.5°	288.9	292.1	292.3	292.2	295.7	292.4	294.7	293.5	290.1	293.0	293.7
17°	288.2	290.3	290.5	290.0	295.3	292.1	293.2	292.6	289.9	291.6	292.9
17.5°	285.3	290.9	288.4	288.7	295.0	292.8	292.8	291.0	289.4	292.0	292.0
18°	283.9	288.5	288.8	287.5	294.2	290.4	291.0	290.4	287.4	289.5	291.1
18.5°	284.0	286.4	286.8	285.3	293.4	289.4	289.9	289.7	286.0	290.3	289.5
19°	281.1	285.3	285.2	283.3	291.1	288.1	288.5	288.3	285.1	289.5	287.0
19.5°	279.1	285.7	286.1	283.4	289.2	284.9	287.1	285.5	282.8	288.0	286.9
20°	280.4	283.1	281.6	281.4	287.1	284.3	286.6	283.9	281.7	286.2	285.0
20.5°	278.6	281.6	280.3	280.2	285.2	283.0	284.9	283.2	280.6	284.2	284.4
21°	275.5	278.6	280.5	279.0	283.6	282.2	283.8	282.3	279.0	283.7	282.1



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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°	272.1	275.8	275.6	274.7	279.1	277.5	278.3	276.8	274.1	278.6	278.1
23°	270.8	274.5	273.5	272.8	277.7	277.0	276.8	275.0	271.8	276.4	276.9
23.5°	268.1	272.7	270.8	271.7	275.7	276.2	274.8	272.9	270.1	275.4	275.0
24°	266.1	270.6	269.1	269.1	273.6	273.2	273.4	270.9	269.2	272.7	272.5
24.5°	265.6	269.1	266.5	266.2	272.2	270.7	273.2	269.5	267.5	270.4	270.5
25°	263.8	268.0	264.7	266.2	269.4	268.7	270.9	268.5	265.9	269.2	268.8
25.5°	264.1	265.5	264.3	264.3	268.1	267.0	269.1	266.0	264.0	267.8	266.3
26°	261.1	262.1	261.2	262.7	266.9	264.9	266.8	264.1	261.9	266.1	264.7
26.5°	259.2	263.8	258.9	259.3	265.2	262.1	264.1	262.3	261.0	264.0	263.7
27°	255.6	259.0	258.4	258.2	262.6	261.3	261.0	260.3	258.8	262.3	261.1
27.5°	254.1	256.9	256.0	255.6	261.0	259.8	258.5	258.6	256.5	259.9	259.0
28°	252.0	255.4	254.7	253.2	258.4	257.9	257.0	256.8	254.0	257.6	256.9
28.5°	250.2	254.6	250.6	252.0	256.4	255.8	255.4	253.9	252.1	255.0	255.0
29°	248.1	250.9	249.4	249.6	253.6	253.0	254.1	252.2	249.6	253.2	253.5
29.5°	245.0	246.9	247.5	248.3	251.0	250.0	252.7	249.7	247.3	252.4	251.4
30°	243.8	244.5	246.3	246.1	249.9	248.2	249.3	247.5	245.0	249.5	249.0
30.5°	241.3	244.5	243.1	243.6	248.1	246.1	246.2	245.7	242.5	246.8	246.6
31°	238.5	241.4	242.2	240.6	246.1	244.2	244.3	243.5	240.5	244.5	244.1
31.5°	236.2	239.5	239.8	237.7	243.3	241.2	243.0	240.3	237.5	242.8	242.3
32°	234.4	236.1	237.1	236.0	240.7	239.2	239.7	238.0	235.6	240.0	239.2
32.5°	232.7	234.5	234.1	233.9	238.6	237.1	236.5	236.0	234.3	236.2	237.7
33°	231.0	230.6	231.1	230.3	235.1	234.4	235.0	232.5	231.5	233.6	234.7
33.5°	227.9	229.4	228.8	228.0	232.1	232.1	232.6	230.2	229.3	231.8	232.1
34°	224.1	227.1	226.6	225.2	229.4	229.1	229.8	228.2	227.1	230.1	229.2
34.5°	222.8	225.5	222.8	223.0	227.5	227.5	227.9	225.3	224.2	227.3	226.4
35°	220.6	222.3	220.0	220.6	225.2	224.3	224.0	222.5	221.4	224.7	224.4
35.5°	216.8	219.4	217.3	217.3	222.5	220.7	220.8	220.5	219.5	221.8	221.8
36°	213.5	217.2	215.2	215.0	220.2	218.0	217.8	217.6	216.5	218.5	219.7
36.5°	212.5	213.9	213.3	211.7	217.0	215.7	215.5	215.4	213.6	215.5	217.2
37°	210.1	210.9	209.1	208.8	214.3	213.0	213.1	212.3	211.3	212.5	213.9
37.5°	206.9	209.0	207.5	206.0	210.8	209.9	210.0	209.4	207.9	209.9	210.9
38°	204.9	205.9	205.0	203.0	208.1	207.3	206.9	207.0	204.6	207.6	208.2
38.5°	202.1	203.1	202.3	200.3	206.7	204.7	204.7	204.2	201.5	204.6	205.5
39°	197.9	199.9	199.4	198.1	203.1	201.6	202.4	201.3	199.0	201.5	202.5
39.5°	195.1	197.6	196.1	195.4	200.3	198.3	198.8	197.6	195.7	198.7	199.1
40°	192.6	194.5	192.3	192.2	197.3	195.0	195.5	194.6	193.1	195.2	196.2
40.5°	189.3	191.2	189.2	188.9	193.8	192.0	193.0	191.2	190.4	193.2	192.5
41°	186.3	188.4	187.3	185.8	190.3	188.9	189.9	187.4	187.7	190.1	189.8
41.5°	183.5	185.7	184.3	182.5	186.8	186.0	187.0	184.8	184.2	186.9	186.1
42°	180.7	182.1	182.1	179.3	184.2	182.8	184.1	181.3	180.5	183.8	183.3
42.5°	177.5	178.4	178.4	176.3	180.5	179.4	179.5	177.9	177.2	179.5	180.8
43°	173.4	175.4	174.5	173.0	177.1	176.1	176.3	174.5	174.0	175.6	177.0
43.5°	169.9	172.2	171.4	169.8	173.5	172.2	172.7	171.4	171.4	172.6	173.5



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CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	161.3	162.3	161.7	159.8	163.0	161.7	162.3	161.0	161.2	162.7	163.4
45.5°	158.4	159.3	158.3	156.5	159.5	158.8	158.7	157.5	157.0	159.3	161.0
46°	154.9	156.2	154.6	153.4	156.3	155.1	155.4	154.1	153.7	156.1	157.2
46.5°	151.4	153.1	151.5	149.9	152.7	152.1	152.6	150.7	150.2	153.0	153.4
47°	148.7	149.9	148.4	146.5	149.1	148.3	148.8	147.3	146.4	149.2	150.6
47.5°	145.5	146.3	144.8	142.8	146.0	145.0	145.2	144.0	142.8	145.5	146.2
48°	142.1	142.8	141.3	139.0	142.4	141.3	141.8	140.2	139.1	142.0	143.5
48.5°	139.1	139.2	138.1	135.9	139.0	137.7	138.4	136.9	136.2	138.4	139.9
49°	135.4	136.0	134.5	132.8	135.0	134.0	134.7	133.5	132.9	135.0	136.5
49.5°	132.3	132.2	131.2	129.6	131.2	130.4	130.7	129.6	129.5	131.9	133.0
50°	128.9	129.2	128.5	125.9	128.8	126.9	127.0	126.3	125.8	128.1	129.6
50.5°	125.8	126.1	124.6	122.4	124.8	123.5	123.4	122.6	122.6	124.6	126.2
51°	122.5	122.9	121.2	119.3	121.7	120.4	119.9	119.3	119.2	121.2	122.6
51.5°	119.3	119.7	118.0	116.2	117.9	117.1	116.6	115.9	115.7	117.8	119.7
52°	116.0	116.5	115.1	113.1	114.5	113.7	113.1	112.5	112.1	114.4	116.3
52.5°	112.9	113.3	111.7	109.4	111.8	110.5	109.9	109.2	109.0	110.8	112.6
53°	109.7	110.1	108.7	106.2	108.5	107.3	107.0	105.7	105.7	107.8	109.3
53.5°	106.4	107.0	105.4	102.9	104.9	103.9	103.8	102.7	102.6	104.6	105.8
54°	103.3	104.0	102.2	99.7	101.8	100.6	100.3	99.4	99.4	101.5	102.6
54.5°	100.2	100.7	99.1	96.5	98.6	97.3	97.3	96.6	96.2	98.3	99.1
55°	97.5	97.3	95.5	93.4	95.4	94.3	94.4	93.4	93.2	94.8	96.5
55.5°	94.1	94.2	92.3	90.5	92.3	91.1	91.4	90.4	90.2	91.8	93.5
56°	91.1	91.2	89.1	87.3	88.8	88.3	88.2	87.3	87.2	89.2	90.2
56.5°	88.1	88.2	86.2	84.3	86.0	85.4	85.1	84.5	84.5	86.1	87.3
57°	85.1	85.1	83.2	81.5	83.4	82.2	81.9	81.6	81.6	83.3	84.7
57.5°	82.1	81.9	80.3	78.5	80.6	79.5	79.2	78.8	78.8	80.3	81.7
58°	79.2	79.1	77.7	75.5	77.8	76.5	76.1	75.5	75.9	77.5	79.1
58.5°	76.5	76.5	74.7	72.7	75.2	73.6	73.5	73.2	72.8	74.7	76.1
59°	73.7	73.7	71.8	70.0	72.1	71.0	70.8	70.2	70.1	72.0	73.3
59.5°	70.9	70.8	68.9	67.4	69.3	68.2	68.0	67.3	67.2	69.0	70.5
60°	68.1	68.0	66.5	64.8	66.2	65.6	65.1	64.3	64.6	66.2	67.8
60.5°	65.4	65.7	64.2	62.2	63.6	62.9	62.6	62.0	61.9	63.8	65.0
61°	63.1	62.9	61.7	59.7	61.1	60.3	60.0	59.3	59.3	60.9	62.2
61.5°	60.3	60.4	59.1	57.2	58.5	57.7	57.3	56.8	57.0	58.2	59.5
62°	57.8	57.6	56.4	54.7	55.8	55.0	54.5	54.5	54.2	55.7	56.9
62.5°	55.3	55.2	53.8	52.0	53.4	52.4	52.2	51.9	52.1	53.2	54.5
63°	52.7	52.6	51.6	49.7	50.8	49.9	49.8	49.5	49.6	51.0	51.9
63.5°	50.1	50.2	49.0	47.4	48.3	47.5	47.4	46.9	47.2	48.5	49.3
64°	47.8	48.0	46.5	45.1	45.9	45.2	45.0	44.6	45.0	46.0	47.3
64.5°	45.5	45.6	44.3	42.9	43.7	42.9	42.6	42.3	42.7	43.5	45.1
65°	43.3	43.4	42.0	40.8	41.4	40.7	40.5	40.2	40.3	41.5	42.8
65.5°	41.3	41.3	39.9	38.6	39.2	38.4	38.5	38.1	38.2	39.1	40.4
66°	39.1	39.1	37.8	36.7	37.1	36.3	36.3	35.9	36.3	36.8	37.9



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	33.0	32.8	31.9	30.8	31.1	30.5	30.5	30.0	30.3	31.2	32.1
68°	31.1	30.9	30.0	28.8	29.2	28.5	28.4	28.2	28.4	29.3	30.1
68.5°	29.1	29.0	28.1	27.2	27.3	26.8	26.9	26.5	26.6	27.6	28.5
69°	27.3	27.1	26.3	25.5	25.7	25.1	25.0	25.0	25.0	25.8	26.7
69.5°	25.5	25.4	24.9	23.8	24.1	23.6	23.5	23.4	23.6	24.3	25.0
70°	23.9	23.9	23.1	22.5	22.4	22.1	22.1	22.0	22.1	22.9	23.3
70.5°	22.5	22.5	21.9	21.1	21.2	20.9	20.8	20.6	20.9	21.5	22.1
71°	21.0	21.1	20.7	19.8	20.0	19.6	19.8	19.4	19.7	20.2	20.8
71.5°	19.7	19.8	19.0	18.6	18.6	18.3	18.3	18.2	18.3	19.0	19.4
72°	18.5	18.5	17.9	17.4	17.4	17.1	17.2	17.1	17.3	17.6	18.2
72.5°	17.3	17.2	16.9	16.5	16.4	16.1	16.3	16.1	16.2	16.5	17.0
73°	16.3	16.2	15.9	15.4	15.3	15.1	15.1	15.0	15.2	15.6	16.1
73.5°	15.3	15.1	14.8	14.6	14.3	14.1	14.3	14.1	14.2	14.8	14.9
74°	14.4	14.3	13.9	13.6	13.3	13.3	13.4	13.2	13.5	13.8	14.1
74.5°	13.4	13.3	13.1	12.8	12.6	12.3	12.4	12.4	12.6	12.9	13.2
75°	12.6	12.6	12.5	11.9	12.0	12.0	11.8	11.9	11.8	12.1	12.4
75.5°	11.7	11.7	11.6	11.2	10.9	11.0	11.0	10.9	11.1	11.1	11.7
76°	11.0	11.0	10.8	10.6	10.2	10.1	10.2	10.2	10.2	10.5	11.0
76.5°	10.5	10.5	10.1	9.8	9.9	9.5	10.0	9.8	9.9	10.0	9.9
77°	9.7	9.7	9.4	9.1	8.9	8.9	9.2	8.8	8.8	9.3	9.2
77.5°	9.0	9.0	8.9	8.5	8.2	8.1	8.2	8.2	8.2	8.6	8.8
78°	8.4	8.4	8.3	7.8	8.1	8.1	7.9	7.9	8.0	7.8	8.5
78.5°	7.8	7.8	7.6	7.4	7.0	7.0	7.1	6.9	7.0	7.4	7.4
79°	7.3	7.4	7.0	6.8	6.6	7.0	7.0	6.4	6.7	7.0	6.9
79.5°	6.6	6.6	6.5	6.4	6.0	6.1	6.0	6.0	6.0	6.6	6.4
80°	6.3	6.1	5.8	5.6	5.8	5.5	6.0	5.8	5.8	6.1	5.8
80.5°	5.6	5.5	5.3	5.2	4.9	4.9	4.9	4.9	4.9	5.1	5.2
81°	5.1	5.0	4.9	4.8	4.4	4.6	4.4	4.4	4.7	4.8	4.8
81.5°	4.7	4.7	4.6	4.5	4.2	4.2	4.4	4.0	4.1	4.4	4.3
82°	4.5	4.3	4.3	4.3	4.2	4.4	4.4	4.1	4.0	4.1	4.1
82.5°	4.3	4.1	4.0	3.8	4.2	3.9	4.0	4.1	4.0	4.0	4.1
83°	3.9	3.7	3.7	3.5	3.1	3.4	3.0	3.2	3.2	3.6	3.7
83.5°	3.5	3.4	3.5	3.1	2.8	3.0	3.0	2.9	2.9	3.3	3.3
84°	3.3	3.4	3.1	2.9	2.9	2.9	3.0	2.9	2.8	3.1	3.0
84.5°	2.9	2.8	2.9	2.6	2.3	2.7	3.0	2.4	2.3	2.9	3.0
85°	2.6	2.6	2.6	2.5	2.2	2.0	2.3	2.2	2.1	2.3	2.4
85.5°	2.4	2.3	2.3	2.3	2.2	2.0	1.9	2.2	2.1	2.2	2.1
86°	2.1	2.2	2.1	2.0	2.1	2.0	2.0	2.2	2.0	2.1	2.1
86.5°	1.8	1.7	1.8	1.7	1.6	1.6	1.9	1.8	1.8	2.1	2.1
87°	1.6	1.5	1.6	1.3	1.0	1.1	1.2	1.0	1.0	1.2	1.1
87.5°	1.4	1.2	1.3	1.2	0.9	0.8	1.0	0.8	0.9	1.0	1.0
88°	1.0	1.0	1.1	0.9	0.8	0.7	0.9	0.8	0.8	0.8	0.8
88.5°	0.9	0.8	0.8	0.7	0.4	0.6	0.6	0.5	0.5	0.7	0.6



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

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	0.3	0.3	0.6	0.5	0.5	0.5	0.6	0.6	0.5
113°	0.5	0.3	0.3	0.3	0.6	0.5	0.5	0.6	0.6	0.5	0.5
113.5°	0.4	0.3	0.3	0.3	0.6	0.5	0.4	0.6	0.6	0.5	0.5
114°	0.4	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.5
114.5°	0.4	0.3	0.3	0.3	0.7	0.6	0.4	0.5	0.6	0.5	0.5
115°	0.4	0.3	0.3	0.3	0.7	0.6	0.5	0.5	0.6	0.5	0.5
115.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.5	0.6	0.5	0.5
116°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.5	0.5
116.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.5
117°	0.4	0.3	0.3	0.4	0.6	0.6	0.5	0.6	0.7	0.5	0.5
117.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.5	0.5
118°	0.4	0.3	0.3	0.4	0.6	0.6	0.6	0.6	0.7	0.6	0.5
118.5°	0.4	0.3	0.3	0.4	0.7	0.6	0.6	0.6	0.6	0.6	0.5
119°	0.4	0.3	0.3	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5
119.5°	0.4	0.3	0.3	0.7	0.6	0.6	0.6	0.6	0.8	0.6	0.6
120°	0.4	0.3	0.3	0.8	0.8	0.6	0.7	0.6	0.8	0.6	0.7
120.5°	0.4	0.3	0.3	0.8	0.8	0.6	0.6	0.6	0.7	0.7	0.6
121°	0.5	0.3	0.3	0.6	0.8	0.6	0.6	0.6	0.7	0.6	0.6
121.5°	0.6	0.3	0.3	0.6	0.8	0.6	0.6	0.6	0.8	0.6	0.6
122°	0.6	0.3	0.3	0.6	0.8	0.6	0.7	0.6	0.8	0.6	0.6
122.5°	0.6	0.3	0.3	0.6	0.8	0.7	0.7	0.7	0.8	0.7	0.6
123°	0.6	0.3	0.3	0.6	0.8	0.7	0.8	0.7	0.8	0.7	0.6
123.5°	0.6	0.3	0.3	0.6	0.8	0.8	0.8	0.7	0.8	0.7	0.7
124°	0.7	0.3	0.3	0.6	0.8	0.8	0.7	0.7	0.8	0.8	0.7
124.5°	0.7	0.3	0.3	0.6	0.9	0.7	0.7	0.7	0.8	0.8	0.8
125°	0.8	0.3	0.3	0.6	0.9	0.7	0.7	0.7	0.9	0.8	0.8
125.5°	0.8	0.3	0.3	0.6	0.8	0.7	0.7	0.7	0.8	0.8	0.8
126°	0.8	0.3	0.3	0.6	0.8	0.8	0.7	0.8	0.8	0.8	0.8
126.5°	0.8	0.3	0.4	0.6	0.8	0.7	0.7	0.8	0.8	0.8	0.8
127°	0.8	0.3	0.4	0.4	0.8	0.7	0.8	0.8	0.9	0.8	0.9
127.5°	0.8	0.3	0.4	0.5	0.9	0.8	0.8	0.8	0.9	0.8	0.9
128°	0.8	0.3	0.4	0.8	0.9	0.9	0.8	0.8	0.9	0.8	0.8
128.5°	0.8	0.3	0.4	0.6	0.9	0.9	0.8	0.8	0.9	0.9	0.9
129°	0.8	0.3	0.4	0.7	1.0	0.8	0.8	0.8	0.9	0.9	0.9
129.5°	0.8	0.4	0.4	1.0	1.0	0.8	0.8	0.8	0.9	0.8	0.9
130°	0.9	0.4	0.4	1.0	0.9	0.9	0.8	0.8	0.9	0.8	0.9
130.5°	0.9	0.5	0.4	1.0	0.9	0.9	0.9	0.8	0.9	0.9	0.9
131°	0.8	0.5	0.4	1.0	0.9	1.0	0.9	0.8	0.9	0.9	0.9
131.5°	0.8	0.6	0.6	1.0	1.0	1.0	0.9	0.8	0.9	0.9	0.9
132°	0.9	0.6	0.6	1.0	1.0	1.0	1.0	0.8	0.9	1.0	1.0
132.5°	0.9	0.6	0.6	1.0	1.0	1.0	1.0	0.8	0.9	1.0	1.0
133°	0.9	0.6	0.6	0.8	1.0	1.0	0.9	0.8	0.9	1.0	1.0
133.5°	0.9	0.6	0.6	0.9	1.0	1.0	1.0	0.8	1.0	1.0	1.0



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.9	0.8	0.8	0.8	1.0	1.0	1.0	0.9	1.1	1.0	1.1
135.5°	0.9	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
136°	0.9	0.7	0.8	1.0	1.1	1.0	1.0	0.9	1.1	1.1	1.1
136.5°	0.9	0.8	0.8	1.0	1.0	1.0	1.1	0.9	1.1	1.0	1.1
137°	0.9	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.1	1.0	1.1
137.5°	0.9	0.8	0.9	0.9	1.0	1.0	1.1	1.0	1.1	1.0	1.1
138°	1.0	0.8	0.9	0.9	1.0	1.0	1.1	1.0	1.1	1.1	1.1
138.5°	1.1	1.0	0.8	1.0	1.0	1.0	1.2	1.0	1.1	1.1	1.2
139°	1.1	1.0	0.8	1.0	1.1	1.0	1.2	1.0	1.1	1.1	1.2
139.5°	1.1	1.0	0.8	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140°	1.2	1.0	0.9	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.2
140.5°	1.1	1.0	0.9	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.2
141°	1.1	1.0	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.3
141.5°	1.2	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2	1.3
142°	1.3	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.3
142.5°	1.3	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.3
143°	1.3	1.0	1.0	1.0	1.2	1.2	1.1	1.1	1.2	1.3	1.3
143.5°	1.4	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.2	1.2	1.3
144°	1.3	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.3	1.2	1.3
144.5°	1.4	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.3	1.3	1.3
145°	1.5	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.2	1.3	1.3
145.5°	1.8	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.2	1.3	1.3
146°	1.7	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
146.5°	1.6	1.1	1.2	1.1	1.2	1.3	1.2	1.1	1.2	1.3	1.3
147°	1.6	1.1	1.3	1.1	1.2	1.3	1.2	1.1	1.2	1.3	1.3
147.5°	1.6	1.1	1.1	1.1	1.2	1.3	1.2	1.2	1.3	1.3	1.4
148°	1.6	1.2	1.1	1.1	1.2	1.3	1.2	1.2	1.3	1.4	1.4
148.5°	1.6	1.2	1.1	1.1	1.2	1.3	1.2	1.2	1.3	1.4	1.5
149°	1.6	1.2	1.2	1.1	1.2	1.4	1.3	1.3	1.3	1.4	1.5
149.5°	1.6	1.2	1.2	1.1	1.2	1.4	1.2	1.3	1.3	1.5	1.4
150°	1.6	1.3	1.3	1.1	1.2	1.3	1.2	1.3	1.3	1.4	1.5
150.5°	1.7	1.3	1.3	1.1	1.2	1.3	1.3	1.3	1.3	1.4	1.5
151°	1.7	1.4	1.4	1.1	1.2	1.3	1.3	1.3	1.3	1.5	1.5
151.5°	1.8	1.3	1.5	1.1	1.2	1.4	1.3	1.3	1.3	1.5	1.5
152°	1.8	1.3	1.3	1.1	1.2	1.4	1.3	1.3	1.3	1.5	1.6
152.5°	1.8	1.5	1.3	1.1	1.2	1.4	1.3	1.3	1.3	1.5	1.6
153°	1.8	1.4	1.3	1.3	1.2	1.5	1.3	1.3	1.4	1.5	1.5
153.5°	1.8	1.4	1.5	1.4	1.2	1.4	1.3	1.4	1.5	1.5	1.6
154°	1.9	1.5	1.4	1.3	1.2	1.4	1.3	1.3	1.5	1.5	1.6
154.5°	2.0	1.5	1.5	1.4	1.2	1.5	1.4	1.3	1.5	1.6	1.6
155°	2.1	1.5	1.6	1.6	1.2	1.5	1.3	1.4	1.5	1.6	1.7
155.5°	1.6	1.6	1.7	1.7	1.2	1.5	1.4	1.4	1.5	1.7	1.7
156°	1.9	1.7	1.5	1.7	1.2	1.5	1.4	1.5	1.5	1.7	1.7



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.1	1.9	1.6	1.8	1.2	1.6	1.4	1.4	1.5	1.7	1.7
158°	2.1	1.8	1.8	1.8	1.2	1.6	1.4	1.5	1.6	1.7	1.7
158.5°	2.1	1.9	1.5	1.8	1.2	1.5	1.4	1.5	1.6	1.8	1.7
159°	2.2	2.0	1.7	1.8	1.2	1.5	1.4	1.5	1.7	1.9	1.8
159.5°	2.1	1.9	1.6	1.8	1.2	1.6	1.4	1.5	1.6	1.9	1.7
160°	2.1	1.7	1.7	1.8	1.2	1.6	1.4	1.5	1.6	1.9	1.8
160.5°	2.1	1.9	1.7	1.8	1.2	1.5	1.4	1.5	1.8	1.9	1.8
161°	2.2	2.0	1.7	1.7	1.2	1.8	1.4	1.5	1.8	1.9	1.9
161.5°	2.1	2.2	1.7	1.9	1.2	1.7	1.4	1.5	1.8	2.0	1.9
162°	2.1	2.2	1.7	1.8	1.2	1.7	1.4	1.5	1.8	1.9	1.9
162.5°	2.1	1.9	1.7	1.7	1.2	1.8	1.4	1.5	2.0	2.0	2.0
163°	2.1	2.2	1.7	1.7	1.2	1.8	1.4	1.5	2.0	2.0	2.0
163.5°	2.1	2.2	1.8	1.9	1.2	1.9	1.4	1.5	2.0	1.9	2.0
164°	2.1	2.2	1.8	1.8	1.2	1.8	1.4	1.5	1.9	1.9	2.0
164.5°	2.1	2.2	1.9	1.8	1.2	1.9	1.4	1.5	2.1	2.0	2.1
165°	2.1	2.2	1.8	1.8	1.2	1.5	1.5	1.5	2.0	2.1	2.2
165.5°	2.1	2.2	1.9	1.9	1.2	1.5	1.5	1.5	2.0	2.1	2.2
166°	2.1	2.2	2.2	1.8	1.2	1.6	1.3	1.5	2.0	2.0	2.2
166.5°	2.1	2.2	2.2	1.8	1.2	1.6	1.5	1.5	2.0	2.0	2.2
167°	2.1	2.2	2.2	1.8	1.2	1.7	1.5	1.5	2.0	1.9	2.2
167.5°	2.1	2.2	2.2	1.7	1.2	1.5	1.7	1.5	1.9	1.9	2.2
168°	2.1	2.2	2.3	1.9	1.2	1.7	1.7	1.5	1.8	1.8	2.0
168.5°	2.1	2.2	2.2	1.9	1.2	1.6	1.6	1.5	1.6	1.7	2.0
169°	2.1	2.1	2.0	1.8	1.2	1.8	1.7	1.5	1.5	1.6	2.0
169.5°	2.2	2.1	2.0	1.8	1.2	1.7	1.5	1.5	1.3	1.5	1.8
170°	2.2	2.2	1.9	1.9	1.2	1.7	1.7	1.5	1.3	1.5	1.7
170.5°	2.2	2.1	1.9	1.9	1.2	1.5	1.7	1.5	1.3	1.4	1.7
171°	2.1	2.0	2.0	2.0	1.2	1.5	1.8	1.5	1.3	1.4	1.6
171.5°	2.1	2.0	1.9	2.0	1.2	1.7	1.8	1.5	1.3	1.4	1.6
172°	2.1	1.9	1.9	2.1	1.2	1.7	1.7	1.5	1.2	1.4	1.5
172.5°	2.1	2.0	1.9	2.2	1.2	1.6	1.7	1.5	1.2	1.4	1.5
173°	2.0	1.9	1.8	2.2	1.2	1.7	1.6	1.5	1.2	1.4	1.5
173.5°	2.0	2.0	1.8	2.3	1.2	1.7	1.6	1.5	1.2	1.4	1.4
174°	1.9	1.9	1.9	2.4	1.2	1.7	1.5	1.5	1.2	1.4	1.4
174.5°	1.9	1.7	1.9	2.4	1.2	1.7	1.5	1.5	1.2	1.4	1.4
175°	1.8	1.7	1.8	2.5	1.2	1.7	1.5	1.5	1.2	1.4	1.4
175.5°	1.7	1.7	1.8	2.6	1.2	1.7	1.5	1.5	1.2	1.4	1.4
176°	1.7	1.7	1.8	2.6	1.2	1.5	1.4	1.5	1.2	1.4	1.4
176.5°	1.6	1.7	1.7	2.7	1.2	1.3	1.4	1.5	1.3	1.4	1.3
177°	1.6	1.7	1.7	2.8	1.2	1.5	1.3	1.5	1.3	1.4	1.3
177.5°	1.6	1.6	1.7	2.8	1.2	1.5	1.3	1.5	1.3	1.4	1.3
178°	1.6	1.5	1.6	2.9	1.2	1.5	1.3	1.5	1.3	1.4	1.3
178.5°	1.5	1.4	1.6	3.0	1.2	1.9	1.3	1.5	1.3	1.4	1.3



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	311.4	311.4	311.4	311.4	311.4	311.4
0.5°	310.0	314.5	312.6	311.9	311.3	309.2
1°	313.1	313.2	312.7	310.9	310.2	308.6
1.5°	312.5	311.0	311.3	312.7	308.6	310.0
2°	312.3	312.0	311.9	313.9	310.4	306.6
2.5°	312.5	313.6	311.7	312.7	310.3	306.2
3°	311.3	314.7	310.7	313.0	311.6	305.3
3.5°	308.9	314.1	310.5	313.4	309.9	306.6
4°	311.0	311.4	309.1	312.4	309.6	306.6
4.5°	310.1	311.8	309.6	312.5	310.9	305.9
5°	311.3	311.8	310.3	311.6	308.0	308.1
5.5°	311.8	313.8	310.0	311.8	307.2	307.6
6°	309.5	311.5	308.7	308.9	305.9	307.8
6.5°	308.8	311.4	308.0	308.6	307.7	306.4
7°	310.5	311.8	305.9	309.7	306.6	304.6
7.5°	308.5	309.9	308.1	308.5	304.8	304.3
8°	308.9	307.3	306.3	310.2	304.9	304.1
8.5°	307.2	307.3	307.7	307.7	305.2	304.0
9°	305.2	306.9	306.5	305.7	305.0	303.1
9.5°	306.1	306.2	305.7	304.8	299.9	302.4
10°	304.9	304.8	305.0	303.5	303.5	301.9
10.5°	305.9	303.7	301.1	303.4	304.3	299.7
11°	304.3	305.0	302.3	304.1	303.8	299.8
11.5°	303.7	302.2	301.5	303.5	303.4	300.7
12°	302.3	301.4	303.3	302.1	302.2	296.4
12.5°	301.3	300.8	302.2	302.9	301.5	298.1
13°	299.7	301.4	300.4	300.2	298.7	295.9
13.5°	298.1	299.4	300.7	299.9	298.8	295.8
14°	298.1	297.5	299.4	298.0	297.0	294.3
14.5°	298.1	296.7	295.8	296.9	297.2	293.3
15°	299.1	297.1	296.2	296.7	293.8	291.6
15.5°	295.7	294.5	295.1	295.6	294.8	291.2
16°	295.2	294.3	292.1	294.3	292.3	290.7
16.5°	294.2	293.8	291.2	293.8	290.3	288.9
17°	293.2	292.8	291.1	293.5	289.7	288.2
17.5°	291.7	291.5	288.8	291.0	289.1	285.3
18°	290.8	289.6	287.6	288.8	285.7	283.9
18.5°	290.3	287.0	289.2	288.9	284.4	284.0
19°	289.3	287.3	285.9	286.4	284.3	281.1
19.5°	287.1	286.3	284.3	284.6	282.3	279.1
20°	284.5	284.7	284.1	283.4	281.1	280.4
20.5°	282.6	282.3	282.5	282.9	281.0	278.6
21°	282.5	282.4	280.8	283.1	278.8	275.5



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	278.6	276.6	275.8	275.5	274.7	272.1
23°	278.1	276.0	273.2	274.5	272.5	270.8
23.5°	276.1	273.5	272.5	273.2	272.2	268.1
24°	272.9	272.9	270.3	269.7	271.4	266.1
24.5°	269.7	271.4	268.4	270.1	268.4	265.6
25°	270.9	268.7	266.0	266.3	266.4	263.8
25.5°	268.8	266.2	264.4	265.2	264.4	264.1
26°	267.3	264.4	264.1	265.0	262.8	261.1
26.5°	263.1	262.3	262.2	262.7	261.3	259.2
27°	260.7	260.5	260.2	262.0	258.5	255.6
27.5°	258.9	257.7	258.2	257.8	256.5	254.1
28°	257.1	256.8	255.2	255.4	255.0	252.0
28.5°	255.7	254.1	252.9	254.2	252.9	250.2
29°	253.3	252.1	250.5	252.5	250.7	248.1
29.5°	251.0	250.0	248.9	250.1	248.8	245.0
30°	248.2	247.5	246.7	248.4	245.8	243.8
30.5°	247.1	245.5	244.8	243.8	243.6	241.3
31°	245.3	244.1	241.5	242.8	240.8	238.5
31.5°	242.9	241.7	239.9	239.4	239.2	236.2
32°	240.6	238.6	237.8	236.7	236.9	234.4
32.5°	237.5	236.5	234.9	234.7	234.7	232.7
33°	234.8	233.8	232.3	232.3	231.1	231.0
33.5°	232.9	230.3	229.8	230.3	229.6	227.9
34°	230.4	227.6	226.7	228.2	226.6	224.1
34.5°	228.6	224.4	224.1	224.7	223.5	222.8
35°	225.8	222.1	221.6	222.3	220.9	220.6
35.5°	222.5	219.3	218.6	220.5	217.9	216.8
36°	220.3	217.1	215.5	217.9	215.5	213.5
36.5°	217.4	214.5	213.1	216.0	212.9	212.5
37°	214.1	212.0	210.9	212.7	210.6	210.1
37.5°	210.8	209.8	208.4	209.6	208.2	206.9
38°	207.2	207.5	205.2	206.4	205.8	204.9
38.5°	204.7	204.5	201.9	203.3	203.1	202.1
39°	202.4	200.9	199.2	199.7	200.2	197.9
39.5°	199.3	198.6	196.9	196.9	197.1	195.1
40°	196.7	195.9	194.3	194.7	194.2	192.6
40.5°	193.7	192.9	191.4	192.5	190.6	189.3
41°	190.5	189.4	188.1	189.4	187.3	186.3
41.5°	187.4	186.2	185.1	184.6	184.6	183.5
42°	184.3	183.2	182.0	182.4	182.0	180.7
42.5°	182.1	179.9	178.8	180.5	179.4	177.5
43°	178.8	176.5	175.8	177.2	176.5	173.4
43.5°	175.0	173.2	172.6	173.1	173.1	169.9



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	165.1	163.3	162.9	162.8	161.8	161.3
45.5°	161.5	160.0	159.6	160.3	158.5	158.4
46°	158.2	156.6	156.2	157.5	155.0	154.9
46.5°	154.5	153.4	152.7	153.6	152.0	151.4
47°	151.3	149.9	149.1	150.1	149.2	148.7
47.5°	147.9	146.5	145.9	147.0	146.0	145.5
48°	144.7	143.4	142.4	143.7	143.0	142.1
48.5°	141.4	139.3	139.3	140.4	140.5	139.1
49°	138.4	136.2	136.4	136.9	136.8	135.4
49.5°	134.7	133.1	133.3	133.7	133.3	132.3
50°	131.0	130.0	129.7	130.6	130.1	128.9
50.5°	127.5	126.3	126.1	127.5	127.0	125.8
51°	124.0	122.6	123.0	124.4	123.9	122.5
51.5°	121.1	119.2	119.9	121.0	120.6	119.3
52°	117.6	116.1	116.7	117.1	117.0	116.0
52.5°	114.0	113.0	113.4	113.6	113.6	112.9
53°	110.9	110.0	110.0	110.8	110.4	109.7
53.5°	107.7	106.9	106.8	107.6	107.2	106.4
54°	104.2	103.2	103.5	104.5	104.0	103.3
54.5°	101.1	100.1	100.2	101.5	100.8	100.2
55°	97.9	97.0	97.0	98.4	97.8	97.5
55.5°	94.6	93.8	94.0	95.2	94.7	94.1
56°	91.6	90.8	91.0	92.2	91.9	91.1
56.5°	88.4	87.8	87.9	88.5	88.7	88.1
57°	85.6	84.6	84.8	85.6	85.8	85.1
57.5°	83.2	82.0	82.0	82.6	82.8	82.1
58°	80.4	79.2	79.2	79.8	79.9	79.2
58.5°	77.4	76.1	76.3	76.8	77.1	76.5
59°	74.8	73.2	73.2	73.9	74.1	73.7
59.5°	71.5	70.2	70.4	71.1	71.3	70.9
60°	69.0	67.6	67.9	68.3	68.6	68.1
60.5°	66.2	64.7	65.1	65.5	66.0	65.4
61°	63.2	62.2	62.5	63.3	63.6	63.1
61.5°	60.7	59.6	60.3	60.8	61.0	60.3
62°	58.3	57.1	57.4	58.1	58.3	57.8
62.5°	55.8	54.7	55.1	55.7	55.7	55.3
63°	53.3	52.5	52.6	53.0	53.2	52.7
63.5°	50.8	49.7	50.0	50.5	50.8	50.1
64°	48.2	47.1	47.7	48.1	48.2	47.8
64.5°	46.1	44.9	45.4	45.9	45.9	45.5
65°	43.6	42.8	43.2	43.8	43.8	43.3
65.5°	41.3	40.5	41.0	41.5	41.6	41.3
66°	39.1	38.4	39.1	39.5	39.4	39.1



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	33.0	32.4	33.0	33.2	33.2	33.0
68°	30.9	30.5	31.0	31.3	31.2	31.1
68.5°	29.1	28.9	29.1	29.3	29.5	29.1
69°	27.3	27.1	27.3	27.6	27.7	27.3
69.5°	25.5	25.4	25.7	26.0	25.8	25.5
70°	24.1	23.9	24.0	24.4	24.5	23.9
70.5°	22.4	22.5	22.7	22.9	22.9	22.5
71°	21.3	21.1	21.2	21.5	21.4	21.0
71.5°	19.9	19.8	20.0	20.1	20.1	19.7
72°	18.5	18.6	18.8	18.9	19.0	18.5
72.5°	17.4	17.3	17.5	17.8	17.7	17.3
73°	16.3	16.3	16.5	16.7	16.6	16.3
73.5°	15.3	15.3	15.6	15.7	15.4	15.3
74°	14.2	14.6	14.7	14.7	14.5	14.4
74.5°	13.5	13.6	13.8	13.8	13.6	13.4
75°	12.6	12.7	12.9	13.0	12.9	12.6
75.5°	11.8	12.0	12.0	12.1	12.0	11.7
76°	11.0	11.2	11.4	11.5	11.3	11.0
76.5°	10.3	10.7	10.6	10.7	10.6	10.5
77°	9.5	9.8	9.9	9.9	9.9	9.7
77.5°	8.9	9.3	9.3	9.3	9.2	9.0
78°	8.2	8.6	8.7	8.7	8.6	8.4
78.5°	8.1	7.9	8.0	8.2	8.0	7.8
79°	7.2	7.4	7.5	7.6	7.4	7.3
79.5°	6.6	6.9	6.9	7.0	6.9	6.6
80°	6.0	6.4	6.5	6.5	6.4	6.3
80.5°	5.6	5.8	5.8	5.8	5.8	5.6
81°	4.8	5.3	5.3	5.4	5.2	5.1
81.5°	4.4	4.9	5.0	4.9	4.8	4.7
82°	4.1	4.6	4.7	4.7	4.6	4.5
82.5°	4.0	4.4	4.4	4.5	4.3	4.3
83°	4.0	3.8	4.0	4.0	3.9	3.9
83.5°	3.1	3.5	3.7	3.7	3.5	3.5
84°	2.8	3.3	3.4	3.5	3.4	3.3
84.5°	2.8	3.0	3.2	3.2	2.9	2.9
85°	2.2	2.8	2.9	2.8	2.7	2.6
85.5°	2.1	2.5	2.6	2.6	2.4	2.4
86°	2.0	2.4	2.4	2.3	2.3	2.1
86.5°	2.0	1.9	2.0	2.0	2.0	1.8
87°	1.5	1.8	1.8	1.8	1.7	1.6
87.5°	1.0	1.4	1.6	1.5	1.4	1.4
88°	0.7	1.2	1.3	1.3	1.2	1.0
88.5°	0.6	1.0	1.1	1.1	1.0	0.9



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.3	0.3	0.4	0.3	0.4
113°	0.5	0.3	0.3	0.4	0.3	0.5
113.5°	0.6	0.3	0.3	0.4	0.3	0.4
114°	0.6	0.3	0.3	0.4	0.3	0.4
114.5°	0.6	0.3	0.3	0.4	0.3	0.4
115°	0.6	0.4	0.3	0.4	0.3	0.4
115.5°	0.6	0.4	0.3	0.4	0.3	0.4
116°	0.6	0.4	0.3	0.4	0.3	0.4
116.5°	0.6	0.4	0.3	0.4	0.3	0.4
117°	0.6	0.3	0.3	0.4	0.3	0.4
117.5°	0.7	0.4	0.3	0.4	0.3	0.4
118°	0.7	0.4	0.3	0.4	0.3	0.4
118.5°	0.7	0.4	0.3	0.4	0.3	0.4
119°	0.8	0.4	0.3	0.4	0.3	0.4
119.5°	0.8	0.4	0.3	0.4	0.3	0.4
120°	0.7	0.4	0.3	0.4	0.3	0.4
120.5°	0.7	0.5	0.3	0.4	0.3	0.4
121°	0.7	0.5	0.3	0.4	0.3	0.5
121.5°	0.7	0.7	0.3	0.4	0.3	0.6
122°	0.7	0.7	0.3	0.4	0.3	0.6
122.5°	0.8	0.6	0.3	0.4	0.3	0.6
123°	0.8	0.6	0.4	0.4	0.3	0.6
123.5°	0.8	0.5	0.4	0.4	0.3	0.6
124°	0.8	0.6	0.4	0.4	0.3	0.7
124.5°	0.8	0.8	0.4	0.4	0.3	0.7
125°	0.8	0.8	0.4	0.4	0.3	0.8
125.5°	0.8	0.7	0.4	0.4	0.3	0.8
126°	0.8	0.8	0.4	0.4	0.3	0.8
126.5°	0.8	0.7	0.4	0.4	0.3	0.8
127°	0.9	0.6	0.4	0.4	0.3	0.8
127.5°	0.9	0.6	0.4	0.4	0.3	0.8
128°	0.8	0.8	0.4	0.4	0.3	0.8
128.5°	0.8	0.8	0.5	0.4	0.3	0.8
129°	0.9	0.8	0.5	0.5	0.3	0.8
129.5°	0.9	0.8	0.6	0.5	0.4	0.8
130°	1.0	0.8	0.6	0.6	0.4	0.9
130.5°	1.0	0.7	0.6	0.6	0.5	0.9
131°	0.9	0.9	0.8	0.6	0.5	0.8
131.5°	0.9	0.8	0.8	0.6	0.6	0.8
132°	0.9	0.8	0.8	0.8	0.6	0.9
132.5°	0.9	0.8	0.8	0.9	0.7	0.9
133°	1.0	0.8	0.9	0.9	0.7	0.9
133.5°	1.0	0.9	0.9	0.8	0.8	0.9



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.1	0.8	0.9	0.9	0.8	0.9
135.5°	1.0	1.0	0.9	0.9	0.8	0.9
136°	1.0	0.9	0.9	1.0	0.8	0.9
136.5°	1.1	1.0	0.9	1.0	0.8	0.9
137°	1.1	1.0	0.9	0.9	0.8	0.9
137.5°	1.1	1.0	0.9	0.9	1.0	0.9
138°	1.1	0.8	0.9	0.9	0.9	1.0
138.5°	1.1	1.0	0.9	0.9	0.9	1.1
139°	1.1	0.9	0.9	0.9	0.9	1.1
139.5°	1.1	1.0	0.9	0.9	0.9	1.1
140°	1.2	1.1	0.9	0.9	0.9	1.2
140.5°	1.2	1.0	1.0	0.9	0.9	1.1
141°	1.2	1.2	1.0	0.9	0.9	1.1
141.5°	1.2	1.2	1.0	0.9	0.9	1.2
142°	1.2	1.2	1.0	0.9	0.9	1.3
142.5°	1.3	1.3	1.0	0.9	0.9	1.3
143°	1.2	1.2	1.0	0.9	1.0	1.3
143.5°	1.2	1.2	1.0	0.9	1.0	1.4
144°	1.2	1.3	1.1	0.9	1.0	1.3
144.5°	1.3	1.2	1.1	0.9	1.1	1.4
145°	1.3	1.3	1.1	1.0	1.3	1.5
145.5°	1.2	1.4	1.1	1.0	1.3	1.8
146°	1.3	1.3	1.1	1.0	1.2	1.7
146.5°	1.4	1.3	1.1	1.0	1.2	1.6
147°	1.3	1.3	1.1	1.0	1.2	1.6
147.5°	1.3	1.4	1.1	1.1	1.3	1.6
148°	1.3	1.4	1.4	1.1	1.3	1.6
148.5°	1.3	1.4	1.3	1.3	1.4	1.6
149°	1.3	1.4	1.2	1.3	1.4	1.6
149.5°	1.4	1.4	1.5	1.3	1.4	1.6
150°	1.5	1.4	1.7	1.7	1.5	1.6
150.5°	1.5	1.4	1.4	1.8	1.6	1.7
151°	1.5	1.5	1.5	1.9	1.6	1.7
151.5°	1.5	1.5	1.6	1.8	1.6	1.8
152°	1.6	1.7	1.5	1.9	1.7	1.8
152.5°	1.6	1.7	1.5	1.9	1.7	1.8
153°	1.6	1.7	1.7	1.9	1.7	1.8
153.5°	1.7	1.8	1.7	1.9	1.7	1.8
154°	1.7	1.7	1.7	2.0	1.7	1.9
154.5°	1.7	1.8	1.8	2.1	1.7	2.0
155°	1.7	1.7	1.6	2.1	1.7	2.1
155.5°	1.7	1.8	1.9	2.1	1.7	1.6
156°	1.7	1.7	1.7	2.1	1.8	1.9



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.7	2.0	1.9	2.2	1.8	2.1
158°	1.8	1.9	1.9	2.2	1.7	2.1
158.5°	1.8	2.1	2.0	2.2	1.8	2.1
159°	1.8	1.8	2.0	2.2	1.9	2.2
159.5°	1.9	1.7	2.0	2.2	1.9	2.1
160°	1.9	1.9	1.9	2.2	1.9	2.1
160.5°	1.9	2.0	2.0	2.2	2.0	2.1
161°	1.8	2.0	2.0	2.2	2.1	2.2
161.5°	1.8	2.2	2.1	2.2	1.8	2.1
162°	2.0	2.0	2.1	2.2	2.1	2.1
162.5°	2.0	1.9	2.0	2.2	2.0	2.1
163°	2.0	1.9	2.0	2.2	2.0	2.1
163.5°	2.0	1.8	2.0	2.2	2.0	2.1
164°	2.0	1.9	2.2	2.2	2.0	2.1
164.5°	2.0	1.9	2.0	2.2	2.0	2.1
165°	2.1	1.9	1.9	2.2	2.0	2.1
165.5°	2.2	1.7	2.0	2.2	2.0	2.1
166°	2.1	1.9	1.9	2.2	2.0	2.1
166.5°	2.2	2.0	2.0	2.2	2.0	2.1
167°	2.1	1.9	2.0	2.2	2.0	2.1
167.5°	2.0	1.9	1.9	2.2	2.0	2.1
168°	2.0	1.9	1.9	2.2	2.1	2.1
168.5°	2.1	1.9	1.9	2.2	2.1	2.1
169°	2.0	1.9	1.9	2.3	2.1	2.1
169.5°	2.0	1.8	1.9	2.3	2.1	2.2
170°	2.0	1.8	1.8	2.2	2.1	2.2
170.5°	1.7	1.7	2.0	2.3	2.2	2.2
171°	1.7	1.9	2.0	2.2	2.2	2.1
171.5°	1.6	1.7	2.0	2.3	2.1	2.1
172°	1.6	1.9	2.0	2.2	2.2	2.1
172.5°	1.6	1.7	2.0	2.2	2.1	2.1
173°	1.6	1.8	1.9	2.1	2.0	2.0
173.5°	1.5	1.7	2.0	2.1	2.0	2.0
174°	1.5	1.7	2.0	2.1	2.0	1.9
174.5°	1.5	1.6	1.9	2.0	1.9	1.9
175°	1.5	1.6	1.9	2.0	1.8	1.8
175.5°	1.5	1.5	1.9	1.9	1.7	1.7
176°	1.5	1.5	1.8	1.9	1.7	1.7
176.5°	1.5	1.7	1.7	1.9	1.7	1.6
177°	1.5	1.4	1.5	1.9	1.7	1.6
177.5°	1.5	1.5	1.5	1.8	1.6	1.6
178°	1.5	1.5	1.5	1.7	1.5	1.6
178.5°	1.5	1.3	1.4	1.6	1.4	1.5



TEST NUMBER: A2016275H001

CATALOG NUMBER: LTSS56069FS231EWHWR

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.4	1.4	1.4	1.4	1.4	1.4



Report Generated By E9808895 / USPTCWHP6082093





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







21.5°	276.2	278.1	280.3	278.3	280.4	279.2	282.3	280.3	277.8	281.9	280.4
22°	273.6	277.8	277.2	276.5	279.2	278.3	280.4	278.9	276.4	280.1	279.3



44°	167.5	168.4	168.0	166.7	170.1	169.1	169.2	167.9	167.9	169.6	170.1
44.5°	164.2	165.1	164.6	163.2	166.6	165.1	165.8	164.6	164.7	166.8	166.8



66.5°	36.9	36.8	35.8	34.7	34.9	34.3	34.0	33.9	34.1	34.9	36.1
67°	34.9	34.7	33.6	32.7	33.0	32.3	32.2	32.0	32.2	32.9	33.9



89°	0.7	0.6	0.7	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.4
89.5°	0.5	0.5	0.5	0.3	0.4	0.1	0.3	0.4	0.4	0.3	0.4



111.5°	0.4	0.3	0.3	0.4	0.6	0.5	0.4	0.4	0.5	0.5	0.6
112°	0.4	0.4	0.3	0.4	0.6	0.5	0.4	0.5	0.6	0.5	0.6



134°	0.9	0.6	0.6	0.8	1.0	1.0	1.0	1.0	0.9	1.0	1.0
134.5°	0.9	0.6	0.6	0.8	1.0	1.0	1.0	1.0	0.9	1.0	1.0



156.5°	2.0	1.7	1.7	1.7	1.2	1.5	1.4	1.5	1.5	1.7	1.7
157°	2.0	1.9	1.6	1.8	1.2	1.5	1.4	1.4	1.5	1.7	1.7



179°	1.5	1.4	1.6	3.0	1.2	1.3	1.3	1.5	1.3	1.4	1.3
179.5°	1.5	1.4	1.5	3.1	1.2	1.3	1.3	1.5	1.3	1.5	1.3





21.5°	281.8	281.4	279.4	280.4	277.4	276.2
22°	280.3	279.9	278.0	277.5	276.2	273.6



44°	171.8	169.9	169.4	170.1	168.9	167.5
44.5°	168.5	166.5	166.1	165.8	165.4	164.2



66.5°	36.9	36.4	36.9	37.3	37.5	36.9
67°	35.0	34.3	34.8	35.2	35.3	34.9



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



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



134°	1.0	0.9	0.9	0.8	0.8	0.9
134.5°	1.0	0.8	0.9	0.8	0.8	0.9



156.5°	1.7	1.9	1.7	2.2	1.9	2.0
157°	1.7	1.9	1.9	2.1	1.9	2.0



179°	1.5	1.3	1.3	1.5	1.4	1.5
179.5°	1.5	1.2	1.3	1.5	1.4	1.5



(END OF REPORT)