

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: HALO

Report Number: P601034

Luminaire Tested: FM159S1EWHR_2700K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2117163A001)
Test Lab: INNOVATION CENTER
Issue Date: 3/14/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: FM159S1EWHR_2700K
Description: FM159S1EWHR at 2700K
Light Source: -
Ballast/Driver: -

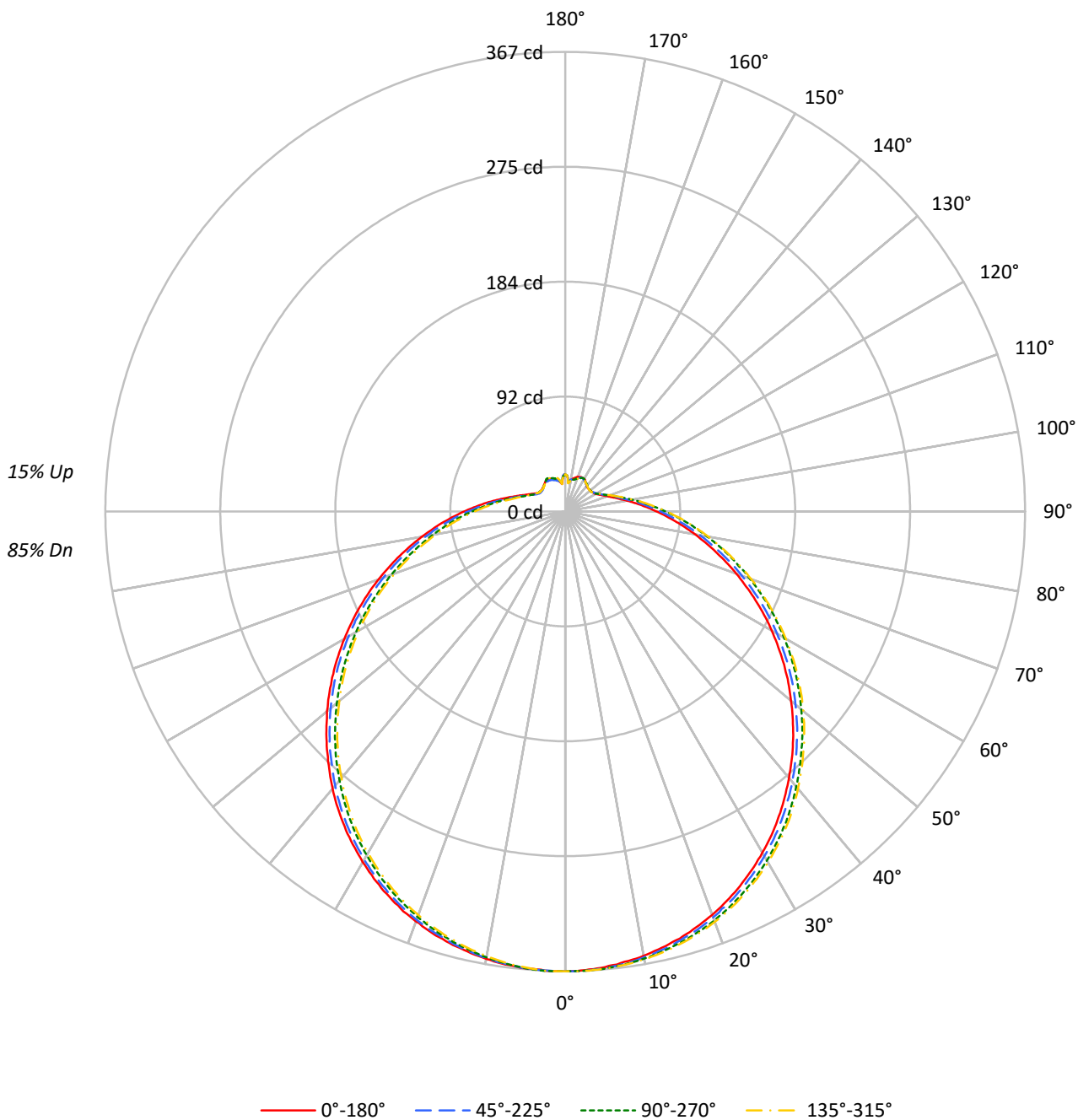
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1523.4 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Vertical Cylinder (Dia: 1.25' x H: 0.33')
CIE Type: Semi-Direct

Input Watts (W): 17.4
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: 24 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	
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	0
RCR																		
0	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79	79	76	74	73	71	69	65
2	92	83	75	69	88	80	73	67	74	68	63	68	63	59	63	59	56	53
3	84	72	63	56	80	70	61	55	64	57	52	59	54	49	55	50	46	43
4	76	64	54	47	73	61	53	46	57	49	44	53	46	41	49	44	39	36
5	70	57	47	40	67	54	46	39	51	43	37	47	41	36	44	38	34	31
6	64	51	41	35	62	49	40	34	45	38	32	42	36	31	39	34	29	27
7	60	46	37	30	57	44	36	30	41	34	28	38	32	27	36	30	26	24
8	55	42	33	27	53	40	32	26	38	30	25	35	29	24	33	27	23	21
9	52	38	30	24	49	37	29	24	35	28	23	32	26	22	30	25	21	19
10	48	35	27	22	46	34	26	21	32	25	20	30	24	20	28	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3221	3221	3221	3221
5°	3124	3134	3133	3130
10°	3029	3050	3050	3040
15°	2941	2969	2971	2951
20°	2852	2892	2898	2866
25°	2761	2810	2819	2778
30°	2668	2730	2741	2688
35°	2577	2649	2660	2599
40°	2482	2562	2579	2502
45°	2388	2478	2496	2410
50°	2293	2396	2418	2317
55°	2203	2316	2335	2229
60°	2110	2237	2257	2138
65°	2020	2162	2184	2050
70°	1939	2091	2111	1969
75°	1868	2035	2052	1902
80°	1828	2000	2018	1865
85°	1827	2010	2022	1866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 2502 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	2.3
10°-20°	100.3	6.6
20°-30°	153.9	10.1
30°-40°	189.3	12.4
40°-50°	203.3	13.3
50°-60°	196.7	12.9
60°-70°	172.8	11.3
70°-80°	138.2	9.1
80°-90°	101.6	6.7
90°-100°	69.6	4.6
100°-110°	46.2	3.0
110°-120°	31.7	2.1
120°-130°	23.8	1.6
130°-140°	20.1	1.3
140°-150°	17.6	1.2
150°-160°	13.5	0.9
160°-170°	7.6	0.5
170°-180°	2.4	0.2
0°-30°	289.0	19.0
0°-40°	478.4	31.4
0°-60°	878.3	57.7
0°-90°	1290.9	84.7
90°-120°	147.5	9.7
90°-150°	209.0	13.7
90°-180°	232.0	15.2
0°-180°	1523.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	367	367	367	367	367	
5°	365	366	366	366	365	35
15°	353	356	357	354	353	100
25°	330	336	337	332	330	152
35°	297	306	307	300	297	186
45°	257	267	269	260	257	199
55°	213	224	226	216	213	191
65°	168	179	181	170	168	166
75°	124	135	136	126	124	132
85°	88	97	97	90	88	75
90°	73	80	81	74	73	40
95°	60	66	66	62	60	47
105°	42	45	45	42	42	45
115°	31	32	32	31	31	31
125°	27	26	26	26	27	24
135°	26	26	26	26	26	20
145°	28	29	28	28	28	18
155°	30	29	29	30	30	14
165°	28	26	26	27	28	8
175°	26	25	24	26	26	2
180°	30	30	30	30	30	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	367.2	367.2	367.2	367.2	367.2	367.2	367.2	367.2	367.2	367.2	367.2
0.5°	367.1	367.2	367.2	367.3	367.2	367.2	367.2	367.2	367.2	367.2	367.2
1°	367.0	367.1	367.2	367.3	367.2	367.2	367.2	367.2	367.2	367.0	367.1
1.5°	367.0	367.1	367.2	367.2	367.1	367.2	367.2	367.2	367.2	366.9	367.0
2°	366.8	366.9	367.2	367.2	367.1	367.2	367.2	367.1	367.2	366.8	366.9
2.5°	366.6	366.7	367.1	367.3	367.0	367.2	367.1	367.2	367.1	366.7	366.8
3°	366.3	366.5	367.0	367.2	366.9	367.2	367.2	367.0	366.5	366.6	366.8
3.5°	366.1	366.3	366.6	367.1	366.9	367.0	366.8	367.0	366.4	366.4	366.6
4°	365.8	366.0	366.5	366.8	366.7	366.8	366.8	366.8	366.3	366.3	366.5
4.5°	365.6	365.7	366.2	366.7	366.6	366.7	366.7	366.6	366.2	366.1	366.3
5°	365.2	365.5	365.9	366.6	366.4	366.6	366.4	366.6	366.3	366.0	366.1
5.5°	364.5	365.2	365.8	366.1	366.0	366.5	366.4	366.6	366.1	365.8	365.9
6°	364.3	364.8	365.3	365.7	365.8	366.1	366.0	366.2	365.6	365.4	365.4
6.5°	364.1	364.3	365.2	365.4	365.5	365.8	365.7	365.7	365.2	365.2	365.2
7°	363.4	363.9	364.6	365.0	365.1	365.4	365.4	365.5	365.0	364.9	364.8
7.5°	362.7	363.5	364.2	364.7	364.8	365.2	365.2	365.2	364.9	364.6	364.4
8°	362.5	363.0	363.8	364.2	364.4	364.8	364.7	364.8	364.5	364.2	364.0
8.5°	361.9	362.5	363.3	363.8	364.0	364.3	364.4	364.5	364.1	363.8	363.8
9°	361.6	361.9	362.8	363.3	363.6	363.9	364.1	364.1	363.8	363.3	363.0
9.5°	361.0	361.4	362.2	362.9	363.1	363.5	363.6	363.7	363.1	362.9	362.7
10°	360.3	360.8	361.6	362.4	362.7	363.0	363.1	363.1	362.8	362.4	362.1
10.5°	359.6	360.2	361.0	361.8	362.1	362.6	362.8	362.7	362.2	361.9	361.7
11°	359.0	359.6	360.5	361.1	361.6	362.0	362.2	362.3	361.7	361.4	361.1
11.5°	358.2	358.9	359.8	360.5	361.0	361.4	361.7	361.8	361.2	360.8	360.5
12°	357.5	358.1	359.1	359.8	360.5	361.0	361.1	361.3	360.7	360.3	359.9
12.5°	356.8	357.4	358.5	359.2	359.8	360.3	360.5	360.5	360.0	359.6	359.3
13°	356.3	356.7	357.8	358.6	359.2	359.7	360.0	359.9	359.4	359.1	358.7
13.5°	355.2	356.0	357.0	357.8	358.5	359.1	359.4	359.4	358.7	358.4	358.0
14°	354.4	355.0	356.3	357.2	357.8	358.5	358.6	358.7	358.1	357.7	357.3
14.5°	353.7	354.3	355.4	356.3	357.1	357.9	357.9	358.0	357.6	357.1	356.6
15°	353.1	353.4	354.6	355.5	356.4	357.0	357.2	357.3	356.7	356.3	355.7
15.5°	352.0	352.6	353.7	354.6	355.6	356.4	356.6	356.6	356.1	355.6	355.0
16°	351.1	351.9	352.8	353.8	354.8	355.4	355.8	355.9	355.0	354.7	354.1
16.5°	350.3	350.9	352.1	352.9	353.9	354.6	355.0	355.0	354.6	353.9	353.3
17°	349.1	349.9	351.2	352.4	353.1	353.9	354.2	354.2	354.0	353.1	352.5
17.5°	348.0	349.0	350.3	351.4	352.2	352.9	353.3	353.3	352.9	352.3	351.6
18°	347.1	347.9	349.2	350.3	351.5	352.1	352.5	352.5	352.0	351.3	350.9
18.5°	346.0	347.0	348.2	349.5	350.5	351.4	351.7	351.6	351.2	350.6	349.9
19°	344.9	345.8	347.2	348.3	349.6	350.3	350.8	350.9	350.4	349.7	348.9
19.5°	343.8	344.8	346.2	347.4	348.7	349.5	349.8	349.9	348.9	348.6	347.9
20°	342.9	343.7	345.0	346.2	347.7	348.4	348.9	349.0	348.4	347.7	346.9
20.5°	341.7	342.5	343.8	345.1	346.6	347.4	347.9	348.0	347.4	346.6	345.9
21°	340.5	341.3	342.8	344.0	345.5	346.4	346.8	347.0	346.3	345.8	344.9
21.5°	339.3	340.1	341.0	342.9	344.4	345.4	345.8	346.0	345.2	344.6	343.7
22°	337.9	338.8	340.5	341.8	343.3	344.0	344.6	344.8	344.5	343.4	342.5



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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°	336.6	337.6	339.1	340.6	342.2	343.1	343.5	343.7	343.1	342.2	341.4
23°	335.4	336.4	338.0	339.4	341.0	341.8	342.4	342.5	341.6	341.0	340.2
23.5°	334.1	335.0	336.8	338.1	339.7	340.6	341.3	341.3	340.9	339.9	339.0
24°	332.8	333.6	335.3	336.9	338.5	339.4	340.1	340.2	339.5	338.8	337.7
24.5°	331.4	332.4	334.0	335.6	337.3	338.2	338.7	338.8	338.2	337.5	336.3
25°	330.0	331.2	332.7	334.2	335.9	336.8	337.5	337.6	336.9	336.2	335.2
25.5°	328.5	329.7	331.3	332.8	334.6	335.7	336.3	336.3	336.0	334.8	333.6
26°	327.0	328.0	329.9	331.6	333.4	334.5	334.9	335.0	334.6	333.5	332.6
26.5°	325.7	326.6	328.4	330.1	331.9	333.2	333.7	333.7	333.0	332.2	331.0
27°	324.1	325.2	327.1	328.6	330.7	331.8	332.2	332.3	331.8	330.8	329.7
27.5°	322.7	323.7	325.5	327.2	329.3	330.4	331.0	331.0	330.5	329.5	328.3
28°	321.2	322.1	324.0	325.8	327.7	328.8	329.5	329.7	328.9	327.9	326.8
28.5°	319.6	320.6	322.5	324.2	326.3	327.5	328.1	328.2	327.6	326.6	325.4
29°	317.8	319.0	321.0	322.8	324.9	326.1	326.6	326.7	326.1	325.1	323.9
29.5°	316.4	317.5	319.4	321.2	323.4	324.6	325.1	325.3	324.5	323.7	322.5
30°	314.5	316.2	317.9	319.6	321.9	323.1	323.6	323.7	323.2	322.1	320.9
30.5°	313.0	314.3	316.3	318.2	320.3	321.5	322.1	322.2	321.6	320.6	319.3
31°	311.5	312.6	314.6	316.4	318.7	320.0	320.6	320.7	320.1	319.0	317.6
31.5°	309.8	311.2	313.0	314.8	317.1	318.4	318.9	319.2	318.4	317.4	316.1
32°	308.2	309.5	311.6	313.2	315.6	316.9	317.4	317.5	316.8	315.9	314.4
32.5°	306.4	307.7	309.8	311.6	313.9	315.1	315.8	316.0	315.4	314.3	312.8
33°	304.6	306.0	307.9	310.2	312.3	313.4	314.2	314.4	313.7	312.7	311.1
33.5°	302.8	304.2	306.4	308.2	310.8	311.8	312.5	312.7	312.0	311.0	309.5
34°	301.0	302.4	304.5	306.6	309.1	310.3	310.9	311.1	310.6	309.4	307.8
34.5°	299.2	300.5	302.7	304.8	307.2	308.6	309.3	309.5	308.9	307.8	306.1
35°	297.3	298.7	301.0	302.9	305.6	306.9	307.4	307.7	306.9	306.0	304.4
35.5°	295.5	296.9	299.1	301.2	303.9	305.1	305.8	306.0	305.3	304.3	302.6
36°	293.6	294.9	297.4	299.2	301.9	303.3	304.1	304.3	303.5	302.4	300.7
36.5°	291.6	293.2	295.4	297.4	300.2	301.5	302.2	302.4	301.8	300.7	299.0
37°	289.7	291.2	293.5	295.6	298.3	299.9	300.4	300.7	300.0	298.8	297.1
37.5°	287.7	289.3	291.5	293.8	296.5	297.8	298.5	298.8	298.2	296.9	295.3
38°	285.8	287.3	289.8	291.9	294.6	295.9	296.6	296.9	296.4	295.1	293.3
38.5°	283.7	285.3	287.8	289.9	292.7	294.2	294.8	295.2	294.6	293.2	291.5
39°	281.9	283.4	285.8	288.0	290.8	292.0	293.0	293.2	292.6	291.2	289.5
39.5°	280.0	281.4	283.9	286.1	289.0	290.3	291.1	291.3	290.8	289.6	287.7
40°	277.9	279.4	281.9	284.1	286.9	288.3	289.0	289.3	288.8	287.5	285.6
40.5°	275.8	277.4	279.9	282.2	285.1	286.3	287.1	287.3	286.9	285.6	283.8
41°	273.8	275.4	277.8	280.1	283.0	284.4	285.2	285.4	284.9	283.6	281.6
41.5°	271.8	273.3	276.0	278.1	281.2	282.5	283.1	283.4	282.9	281.6	279.6
42°	269.8	271.2	273.7	276.1	279.0	280.6	281.1	281.5	280.9	279.6	277.6
42.5°	267.7	269.4	271.7	274.1	277.0	278.5	279.2	279.5	278.8	277.6	275.5
43°	265.7	267.3	269.9	272.1	275.1	276.4	277.1	277.4	276.8	275.6	273.5
43.5°	263.6	265.4	267.8	270.2	273.0	274.3	275.2	275.5	275.0	273.6	271.5
44°	261.5	263.2	265.8	268.1	270.9	272.4	273.1	273.4	272.7	271.4	269.6
44.5°	259.2	261.0	263.6	266.1	269.0	270.3	270.9	271.3	270.7	269.6	267.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	257.2	259.0	261.4	264.0	266.9	268.4	269.1	269.5	268.9	267.5	265.5
45.5°	255.2	256.7	259.4	261.9	265.0	266.3	267.1	267.4	266.9	265.7	263.6
46°	253.0	254.6	257.3	259.7	262.9	264.1	265.0	265.3	264.7	263.5	261.3
46.5°	250.7	252.5	255.3	257.6	260.8	262.3	262.9	263.2	262.6	261.5	259.3
47°	248.5	250.4	253.1	255.5	258.7	260.0	260.7	261.1	260.7	259.4	257.1
47.5°	246.5	248.1	250.9	253.3	256.6	258.0	258.7	259.1	258.5	257.1	255.0
48°	244.3	246.0	248.6	251.2	254.6	255.7	256.6	257.0	256.3	255.2	253.0
48.5°	242.0	243.9	246.4	249.1	252.3	253.7	254.5	254.8	254.2	253.0	250.9
49°	239.9	241.6	244.3	246.9	250.2	251.6	252.2	252.7	252.0	250.8	248.7
49.5°	237.6	239.4	242.1	244.8	248.0	249.5	250.2	250.6	250.0	248.8	246.7
50°	235.4	237.3	239.9	242.6	245.9	247.2	248.1	248.5	248.2	246.8	244.3
50.5°	233.1	235.0	237.8	240.4	243.7	245.1	245.7	246.2	245.7	244.5	242.1
51°	231.0	232.9	235.6	238.2	241.6	242.9	243.6	244.0	243.6	242.3	240.0
51.5°	228.8	230.6	233.4	236.0	239.4	240.9	241.5	241.9	241.6	240.3	237.8
52°	226.7	228.6	231.3	233.8	237.3	238.5	239.3	239.7	239.2	238.0	235.7
52.5°	224.4	226.2	229.2	231.6	235.0	236.4	237.1	237.5	237.1	235.8	233.4
53°	222.3	224.1	226.9	229.6	232.8	234.2	234.9	235.2	234.9	233.6	231.2
53.5°	220.0	221.8	224.7	227.4	230.7	231.9	232.7	233.1	232.6	231.3	229.1
54°	217.6	219.6	222.4	225.2	228.6	229.7	230.5	230.7	230.6	229.3	226.6
54.5°	215.3	217.3	220.2	222.9	226.4	227.7	228.3	228.7	228.5	227.0	224.6
55°	213.2	215.0	217.9	220.8	224.2	225.5	226.1	226.5	226.0	225.0	222.4
55.5°	210.8	212.7	215.6	218.5	221.9	223.3	224.0	224.3	224.0	222.6	220.2
56°	208.5	210.5	213.4	216.1	219.7	220.9	221.5	221.9	221.7	220.3	217.9
56.5°	206.3	208.2	211.1	213.9	217.5	218.8	219.3	219.7	219.4	218.1	215.6
57°	204.0	205.9	208.9	211.7	215.3	216.4	217.1	217.5	217.2	216.0	213.5
57.5°	201.6	203.5	206.5	209.7	213.1	214.3	214.8	215.2	214.9	213.8	211.0
58°	199.5	201.5	204.4	207.1	210.8	212.0	212.5	212.9	212.6	211.5	208.9
58.5°	197.2	199.1	202.1	204.9	208.5	209.7	210.2	210.7	210.4	209.1	206.3
59°	194.8	196.9	199.9	202.7	206.3	207.4	208.0	208.5	208.1	207.0	204.1
59.5°	192.6	194.6	197.4	200.4	204.0	205.3	205.6	206.1	205.9	204.7	201.9
60°	190.3	192.3	195.3	198.2	201.8	203.0	203.4	203.9	203.6	202.4	199.7
60.5°	188.1	190.0	192.9	195.8	199.5	200.6	201.0	201.5	201.3	200.0	197.4
61°	185.9	187.9	190.7	193.6	197.2	198.3	198.8	199.3	199.0	197.8	195.1
61.5°	183.7	185.5	188.6	191.5	194.9	195.9	196.4	197.0	196.8	195.4	192.8
62°	181.4	183.3	186.3	189.4	192.7	193.8	194.2	194.7	194.5	193.3	190.6
62.5°	179.0	180.9	184.0	187.0	190.4	191.6	191.9	192.4	192.3	190.8	188.7
63°	176.8	178.6	181.7	184.7	188.3	189.3	189.6	190.0	190.0	188.8	186.1
63.5°	174.4	176.3	179.5	182.5	186.1	187.1	187.5	187.9	187.7	186.5	183.9
64°	172.1	174.0	177.1	180.2	183.9	184.9	185.2	185.7	185.6	184.2	181.6
64.5°	169.8	171.8	174.8	177.9	181.5	182.6	183.0	183.5	183.3	182.0	179.2
65°	167.5	169.4	172.5	175.7	179.3	180.3	180.6	181.1	181.1	179.8	176.9
65.5°	165.4	167.2	170.2	173.3	177.1	178.0	178.4	178.9	178.7	177.5	174.7
66°	163.0	164.8	167.9	171.0	174.9	175.8	176.0	176.5	176.4	175.0	172.4
66.5°	160.8	162.6	165.6	168.8	172.5	173.5	173.7	174.2	174.2	172.7	170.1
67°	158.6	160.3	163.4	166.6	170.3	171.3	171.5	172.0	171.8	170.6	167.9



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	156.2	158.2	161.1	164.3	168.1	169.0	169.3	169.8	169.6	168.4	165.8
68°	154.0	155.8	159.0	162.0	165.8	166.7	167.0	167.5	167.5	166.0	163.2
68.5°	151.9	153.8	156.8	159.8	163.5	164.4	164.7	165.1	165.1	163.7	161.0
69°	149.6	151.5	154.5	157.6	161.3	162.2	162.5	162.9	162.8	161.5	158.8
69.5°	147.6	149.3	152.2	155.4	159.1	159.9	160.2	160.6	160.5	159.2	156.4
70°	145.4	147.3	150.0	153.2	156.8	157.7	158.0	158.4	158.3	156.9	154.2
70.5°	143.2	145.0	148.0	150.9	154.6	155.6	155.7	156.2	156.1	154.8	152.1
71°	141.1	142.8	145.8	148.9	152.5	153.2	153.5	153.9	153.8	152.6	149.9
71.5°	138.9	140.8	143.6	146.7	150.6	151.0	151.2	151.7	151.7	150.3	147.9
72°	136.8	138.6	141.5	144.6	148.2	148.9	149.1	149.4	149.4	148.1	145.3
72.5°	134.7	136.5	139.5	142.4	145.3	146.9	147.0	147.5	147.5	146.0	143.3
73°	132.5	134.3	137.3	140.3	143.6	144.7	144.8	145.3	145.2	143.9	141.3
73.5°	130.5	132.3	135.1	138.1	141.6	142.6	142.7	143.1	143.0	141.7	139.1
74°	128.4	130.1	133.0	136.1	139.6	140.4	140.6	141.0	140.8	139.5	136.9
74.5°	126.3	128.3	130.9	133.9	137.6	138.2	138.4	138.9	138.8	137.4	134.8
75°	124.3	126.0	128.9	131.8	135.4	136.2	136.3	136.7	136.5	135.1	132.7
75.5°	122.3	124.1	126.8	129.7	133.3	134.1	134.2	134.6	134.4	133.1	130.5
76°	120.4	122.0	124.7	127.8	131.2	132.0	132.1	132.4	132.3	131.1	128.2
76.5°	118.4	120.1	122.8	125.7	129.1	129.9	130.0	130.4	130.1	128.9	126.4
77°	116.5	118.1	120.7	123.6	127.3	127.9	128.0	128.3	128.3	126.8	124.2
77.5°	114.5	116.1	118.8	121.8	125.1	125.8	126.0	126.3	126.1	124.8	122.4
78°	112.5	114.1	116.9	119.7	123.0	123.8	124.0	124.1	124.0	122.7	120.2
78.5°	110.7	112.3	114.9	117.8	121.1	121.7	121.9	122.3	122.1	120.7	118.4
79°	108.8	110.4	113.1	115.8	119.0	119.7	119.9	120.2	120.0	118.6	116.3
79.5°	107.1	108.6	111.0	113.9	117.1	117.7	118.0	118.2	118.0	116.6	114.4
80°	105.2	106.8	109.2	112.0	115.1	115.8	115.9	116.4	116.1	114.7	112.5
80.5°	103.4	105.1	107.5	110.0	113.2	113.9	114.0	114.3	114.1	112.6	110.4
81°	101.7	103.2	105.7	108.4	111.2	112.1	112.2	112.5	112.2	110.7	108.4
81.5°	99.8	101.4	103.8	106.6	109.4	110.0	110.2	110.5	110.1	108.7	106.9
82°	98.1	99.6	102.1	104.6	107.6	108.1	108.3	108.5	108.3	107.1	104.9
82.5°	96.4	97.9	100.2	102.9	105.8	106.4	106.7	107.0	106.6	105.2	103.2
83°	94.6	96.2	98.5	101.0	103.9	104.7	104.8	105.0	104.7	103.4	101.2
83.5°	92.9	94.4	96.8	99.2	102.2	102.9	102.9	103.3	102.9	101.5	99.4
84°	91.2	92.8	94.9	97.5	100.3	101.0	101.0	101.3	101.0	99.6	97.6
84.5°	89.5	91.1	93.3	95.8	98.5	99.1	99.3	99.6	99.2	97.8	95.8
85°	87.9	89.4	91.6	94.0	96.7	97.4	97.5	97.8	97.3	96.0	93.9
85.5°	86.3	87.9	90.0	92.5	94.9	95.7	95.8	96.1	95.6	94.2	92.2
86°	84.8	86.2	88.3	90.7	93.3	93.9	94.0	94.3	93.8	92.5	90.4
86.5°	83.2	84.7	86.8	89.1	91.5	92.1	92.4	92.5	92.1	90.8	88.9
87°	81.7	83.1	85.1	87.5	89.8	90.5	90.5	90.8	90.5	89.0	87.1
87.5°	80.2	81.7	83.5	85.9	88.1	88.7	88.9	89.2	88.6	87.3	85.5
88°	78.7	80.1	82.0	84.2	86.6	87.1	87.2	87.4	87.0	85.6	83.8
88.5°	77.3	78.6	80.5	82.7	84.9	85.5	85.6	85.8	85.4	84.0	82.2
89°	75.7	77.1	79.0	81.1	83.3	83.9	84.0	84.2	83.8	82.4	80.7
89.5°	74.3	75.7	77.6	79.7	81.7	82.4	82.4	82.6	82.2	80.8	79.1



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	72.9	74.2	76.2	78.1	80.3	80.7	80.8	81.0	80.6	79.3	77.4
90.5°	71.5	72.9	74.7	76.6	78.6	79.2	79.3	79.5	79.1	77.7	76.1
91°	70.2	71.5	73.3	75.3	77.1	77.8	77.9	78.1	77.5	76.4	74.5
91.5°	68.9	70.1	71.9	73.8	75.6	76.2	76.4	76.6	76.0	74.4	72.8
92°	67.6	68.8	70.5	72.5	74.1	74.6	74.8	75.0	74.4	73.2	71.8
92.5°	66.4	67.6	69.3	71.1	72.7	73.2	73.3	73.5	73.1	71.7	70.4
93°	65.2	66.4	68.0	69.6	71.3	71.7	72.0	72.1	71.6	70.4	68.8
93.5°	63.9	65.1	66.8	68.4	70.0	70.4	70.5	70.7	70.3	69.1	67.4
94°	62.7	63.9	65.5	67.2	68.5	69.0	69.1	69.3	68.8	67.7	66.5
94.5°	61.5	62.7	64.3	66.0	67.2	67.7	67.9	68.0	67.5	66.7	65.0
95°	60.4	61.6	63.1	64.7	66.0	66.7	66.7	66.7	66.3	65.2	63.7
95.5°	59.1	60.4	62.1	63.5	64.6	65.2	65.3	65.3	65.1	63.8	62.4
96°	58.0	59.2	60.8	62.3	63.4	63.9	64.0	64.1	63.7	62.6	61.4
96.5°	57.0	58.1	59.5	61.1	62.3	62.8	62.7	62.8	62.4	61.5	60.1
97°	55.9	57.0	58.6	59.9	61.3	61.5	61.6	61.6	61.5	60.2	58.7
97.5°	54.8	56.1	57.4	58.7	60.0	60.2	60.4	60.2	60.0	58.8	57.6
98°	53.8	54.9	56.3	57.6	58.7	59.0	59.1	59.1	58.9	57.7	56.4
98.5°	52.8	53.9	55.2	56.5	57.7	57.8	58.0	58.0	57.6	56.6	55.2
99°	51.8	52.9	54.2	55.4	56.4	56.7	56.8	56.9	56.5	55.5	54.1
99.5°	50.9	51.9	53.1	54.4	55.2	55.6	55.9	55.7	55.4	54.7	53.1
100°	49.9	51.0	52.2	53.4	54.2	54.9	54.6	54.6	54.3	53.3	52.0
100.5°	49.0	50.0	51.2	52.4	53.1	53.5	53.4	53.8	53.2	52.3	51.2
101°	48.1	49.0	50.3	51.4	52.1	52.6	52.2	52.5	52.3	51.3	50.1
101.5°	47.2	48.2	49.3	50.4	51.1	51.4	51.4	51.4	51.2	50.5	49.1
102°	46.3	47.3	48.5	49.4	50.2	50.4	50.6	50.4	50.1	49.3	48.0
102.5°	45.4	46.4	47.5	48.6	49.1	49.5	49.3	49.8	49.1	48.5	47.3
103°	44.7	45.8	46.5	47.6	48.2	48.6	48.7	48.5	48.2	47.5	46.3
103.5°	43.9	44.9	45.8	46.9	47.5	47.7	47.6	47.9	47.4	46.4	45.4
104°	43.1	44.1	45.1	46.0	46.4	46.8	46.8	47.0	46.5	45.5	44.8
104.5°	42.4	43.4	44.3	45.1	45.5	46.4	46.3	46.1	46.1	44.6	43.8
105°	41.7	42.7	43.5	44.3	44.9	45.1	45.1	45.1	44.7	43.9	42.9
105.5°	41.0	42.0	42.8	43.5	44.0	44.3	44.2	44.1	43.9	43.1	42.1
106°	40.3	41.2	42.1	42.8	43.2	43.7	43.6	43.4	43.0	42.4	41.6
106.5°	39.6	40.6	41.5	42.3	42.4	42.7	42.8	42.5	42.4	41.6	40.9
107°	38.9	39.9	40.8	41.5	41.7	41.6	42.1	41.8	41.6	41.1	39.9
107.5°	38.4	39.3	40.0	40.8	41.1	41.4	41.4	41.2	41.0	40.1	39.2
108°	37.8	38.5	39.5	40.1	40.1	40.5	40.6	40.5	40.2	39.5	38.5
108.5°	37.2	38.0	38.8	39.4	39.5	39.9	39.9	39.9	39.5	39.0	37.9
109°	36.7	37.4	38.2	38.8	38.8	39.2	39.2	39.1	39.0	38.4	37.6
109.5°	36.1	36.9	37.6	38.2	38.1	38.6	38.7	38.6	38.3	37.5	36.6
110°	35.6	36.2	37.1	37.6	37.5	37.9	38.0	37.8	37.4	36.7	35.9
110.5°	35.1	35.7	36.5	37.0	36.9	37.2	37.5	37.2	36.8	36.2	35.4
111°	34.6	35.1	36.0	36.5	36.3	36.6	36.8	36.6	36.3	35.9	34.8
111.5°	34.1	34.7	35.5	36.0	35.8	36.2	36.1	36.2	35.9	35.1	34.2
112°	33.7	34.2	34.9	35.5	35.2	35.6	35.7	35.5	35.2	34.7	33.7



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	33.3	33.7	34.5	34.9	34.9	35.0	35.1	34.9	34.8	34.0	33.3
113°	32.8	33.2	34.0	34.5	34.1	34.9	34.8	34.4	34.1	33.5	32.6
113.5°	32.4	32.8	33.5	33.9	33.6	33.9	34.1	33.8	33.6	33.0	32.4
114°	32.0	32.4	33.1	33.6	33.2	33.7	33.6	33.5	33.2	32.5	31.8
114.5°	31.7	32.0	32.7	33.1	32.7	33.1	33.0	32.9	32.7	32.2	31.3
115°	31.3	31.6	32.3	32.7	32.4	32.5	32.6	32.5	32.4	31.7	31.3
115.5°	30.9	31.2	31.9	32.3	31.8	32.3	32.2	32.2	31.8	31.2	30.7
116°	30.5	30.8	31.6	32.0	31.5	31.6	31.8	31.5	31.4	31.1	29.9
116.5°	30.1	30.5	31.1	31.5	31.2	31.3	31.4	31.2	31.2	30.4	29.9
117°	29.7	30.1	30.8	31.2	30.9	31.3	31.2	31.1	30.6	30.1	29.2
117.5°	29.5	29.7	30.4	30.8	30.2	30.8	30.8	30.3	30.1	29.7	28.8
118°	29.2	29.4	30.0	30.5	29.9	30.1	30.2	29.9	29.7	29.3	28.6
118.5°	28.9	29.0	29.7	30.2	29.7	29.9	29.9	29.8	29.7	28.9	28.3
119°	28.5	28.7	29.5	29.8	29.1	29.8	29.6	29.2	29.0	28.6	27.8
119.5°	28.3	28.5	29.1	29.5	28.8	29.1	29.2	28.9	28.7	28.5	27.6
120°	28.1	28.2	28.8	29.1	28.5	28.8	28.8	28.6	28.5	28.1	27.3
120.5°	27.8	28.0	28.5	28.9	28.3	28.6	28.6	28.4	28.3	27.8	27.1
121°	27.6	27.7	28.3	28.6	27.9	28.4	28.3	27.9	27.8	27.4	26.7
121.5°	27.4	27.4	28.1	28.3	27.6	27.9	27.9	27.7	27.5	27.3	26.4
122°	27.4	27.4	27.9	28.2	27.4	27.6	27.6	27.5	27.4	27.4	26.4
122.5°	27.3	27.3	27.6	28.0	27.3	27.4	27.3	27.2	27.2	26.6	26.1
123°	27.2	27.1	27.6	27.7	27.0	27.2	27.3	27.1	26.7	26.4	26.1
123.5°	27.0	26.9	27.5	27.5	26.7	27.1	26.9	26.7	26.4	26.4	25.6
124°	26.9	26.8	27.3	27.6	26.4	26.7	26.7	26.4	26.4	26.3	25.5
124.5°	26.8	26.7	27.2	27.5	26.4	26.4	26.4	26.4	26.3	26.2	25.3
125°	26.8	26.4	27.1	27.2	26.3	26.4	26.4	26.3	26.1	25.9	25.1
125.5°	26.6	26.3	26.8	27.2	26.2	26.4	26.3	26.1	26.0	25.6	25.0
126°	26.5	26.2	26.8	27.0	26.3	26.2	26.3	26.1	25.7	25.5	24.9
126.5°	26.4	26.2	26.7	27.0	26.1	26.2	26.2	25.7	25.5	25.4	24.9
127°	26.3	25.9	26.5	26.8	26.1	26.1	26.0	25.7	25.5	25.4	24.9
127.5°	26.2	25.9	26.4	26.8	26.1	26.1	26.0	25.7	25.5	25.4	24.8
128°	26.2	25.9	26.3	26.7	26.1	26.1	25.9	25.6	25.5	25.4	24.8
128.5°	26.2	25.9	26.3	26.5	26.1	26.0	25.9	25.6	25.5	25.3	24.8
129°	26.1	25.9	26.3	26.5	26.1	26.0	25.9	25.6	25.5	25.3	24.8
129.5°	26.1	25.9	26.3	26.4	26.1	26.0	25.9	25.6	25.5	25.3	24.8
130°	26.1	25.9	26.1	26.4	26.1	26.0	25.9	25.6	25.5	25.3	24.8
130.5°	26.1	25.9	26.1	26.4	26.1	26.0	25.9	25.6	25.5	25.3	24.8
131°	26.1	25.9	26.1	26.4	26.1	26.0	25.9	25.6	25.5	25.3	24.8
131.5°	26.0	25.9	26.1	26.4	26.1	26.0	25.9	25.6	25.5	25.3	24.8
132°	26.0	25.9	26.1	26.4	26.1	26.1	25.9	25.7	25.5	25.3	24.8
132.5°	26.0	25.9	26.1	26.4	26.1	26.1	25.9	25.7	25.5	25.3	24.8
133°	26.0	25.9	26.1	26.4	26.1	26.1	25.9	25.7	25.5	25.4	24.8
133.5°	26.0	25.9	26.1	26.4	26.1	26.1	25.9	25.8	25.5	25.4	24.9
134°	26.0	25.9	26.1	26.4	26.2	26.2	26.0	25.8	25.5	25.4	24.9
134.5°	26.0	25.9	26.1	26.4	26.2	26.2	26.1	25.8	25.6	25.5	24.9



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	26.0	26.1	26.1	26.4	26.3	26.3	26.1	25.9	25.5	25.6	25.0
135.5°	26.1	26.1	26.1	26.4	26.4	26.3	26.1	25.9	25.7	25.5	25.1
136°	26.0	26.2	26.2	26.4	26.5	26.4	26.3	26.0	25.7	25.6	25.2
136.5°	26.0	26.2	26.2	26.4	26.5	26.4	26.4	26.0	25.9	25.8	25.3
137°	26.3	26.3	26.3	26.4	26.7	26.6	26.6	26.1	25.8	25.8	25.4
137.5°	26.3	26.3	26.3	26.4	26.7	26.7	26.6	26.3	26.0	25.9	25.6
138°	26.3	26.4	26.4	26.4	26.8	26.8	26.8	26.4	26.1	26.1	25.6
138.5°	26.3	26.5	26.4	26.6	27.0	26.9	26.8	26.5	26.3	26.2	25.8
139°	26.4	26.7	26.4	26.7	27.2	27.1	26.9	26.5	26.4	26.3	25.9
139.5°	26.3	26.8	26.6	26.9	27.2	27.1	27.2	26.8	26.5	26.3	26.0
140°	26.6	27.2	26.8	27.2	27.4	27.3	27.2	26.9	26.6	26.5	26.2
140.5°	26.7	27.2	27.2	27.4	27.5	27.4	27.2	27.0	26.8	26.7	26.4
141°	27.3	27.2	27.3	27.4	27.5	27.4	27.4	27.2	27.0	26.7	26.4
141.5°	27.4	27.4	27.4	27.4	27.6	27.6	27.4	27.3	27.1	27.0	26.4
142°	27.4	27.6	27.4	27.5	27.7	27.6	27.5	27.5	27.3	27.1	26.7
142.5°	27.5	27.8	27.4	27.6	28.0	27.7	27.6	27.6	27.4	27.2	26.8
143°	27.8	28.3	27.4	27.7	28.1	27.9	27.7	27.6	27.5	27.4	26.8
143.5°	27.9	28.5	27.6	28.0	28.3	28.0	27.9	27.8	27.6	27.4	27.0
144°	28.4	28.6	27.7	28.2	28.4	28.1	28.0	28.0	27.8	27.5	27.1
144.5°	28.5	28.6	27.9	28.5	28.6	28.4	28.1	28.0	27.9	27.7	27.3
145°	28.5	28.9	28.3	28.5	28.8	28.5	28.4	28.3	28.1	27.8	27.4
145.5°	28.7	29.1	28.6	28.7	29.1	28.8	28.4	28.3	28.3	28.0	27.5
146°	28.9	29.4	28.5	28.8	29.2	28.9	28.7	28.6	28.5	28.1	27.6
146.5°	29.0	29.8	28.7	28.9	29.4	29.1	28.8	28.7	28.6	28.2	27.6
147°	29.2	29.8	28.8	29.1	29.5	29.4	29.1	28.9	28.7	28.4	27.8
147.5°	29.7	29.7	28.9	29.1	29.6	29.5	29.2	29.1	28.8	28.5	27.9
148°	29.7	29.9	29.0	29.2	29.8	29.7	29.3	29.1	29.0	28.5	27.9
148.5°	30.0	29.8	29.0	29.5	29.9	29.8	29.3	29.1	29.1	28.6	27.9
149°	30.0	30.1	29.1	29.5	30.1	29.9	29.3	29.1	29.1	28.6	27.9
149.5°	30.0	30.1	29.3	29.8	30.1	29.9	29.3	29.1	29.1	28.7	27.9
150°	30.1	30.1	29.5	29.8	30.1	29.9	29.3	29.1	29.1	28.7	27.9
150.5°	30.1	30.4	29.8	29.9	30.1	29.9	29.3	29.1	29.1	28.6	27.9
151°	30.2	30.5	29.9	29.9	30.1	29.9	29.3	29.1	29.1	28.6	27.9
151.5°	30.2	30.6	29.9	29.9	30.1	29.9	29.2	29.1	29.2	28.6	27.9
152°	30.2	30.6	30.0	29.9	30.2	30.0	29.2	29.2	29.2	28.6	27.9
152.5°	30.2	30.6	30.0	30.0	30.2	29.9	29.2	29.2	29.1	28.6	27.9
153°	30.2	30.6	29.9	30.0	30.0	29.9	29.2	29.1	29.0	28.6	28.0
153.5°	30.2	30.6	30.0	30.1	30.0	29.8	29.2	29.0	28.9	28.6	28.0
154°	30.2	30.6	30.0	30.0	29.8	29.6	29.1	29.0	28.9	28.6	27.8
154.5°	30.2	30.5	29.8	29.9	29.6	29.4	29.1	28.8	28.6	28.5	27.8
155°	30.2	30.5	29.8	29.9	29.4	29.2	28.9	28.7	28.6	28.5	27.6
155.5°	30.3	30.2	29.6	29.6	29.1	29.1	28.9	28.7	28.6	28.4	27.6
156°	30.3	30.1	29.5	29.6	28.9	28.9	28.7	28.6	28.6	28.0	27.5
156.5°	30.2	30.0	29.4	29.5	28.7	28.8	28.6	28.6	28.6	27.8	27.5
157°	30.0	29.9	29.2	29.3	28.7	28.7	28.6	28.7	28.6	27.8	27.3



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	29.9	29.8	29.1	29.3	28.7	28.7	28.6	28.5	28.6	27.7	27.3
158°	29.9	29.7	29.0	29.1	28.6	28.7	28.6	28.5	28.2	27.6	27.3
158.5°	29.8	29.4	29.0	28.9	28.5	28.6	28.4	28.3	28.0	27.5	27.2
159°	29.6	29.4	28.8	28.8	28.3	28.4	28.1	28.2	27.8	27.4	27.0
159.5°	29.5	29.1	28.7	28.6	28.0	28.2	27.9	27.9	27.8	27.4	26.6
160°	29.5	29.1	28.6	28.4	27.9	28.0	27.7	27.9	27.7	27.3	26.5
160.5°	29.3	28.9	28.4	28.3	27.6	27.8	27.6	27.8	27.6	26.9	26.4
161°	29.2	28.9	28.3	28.1	27.5	27.6	27.6	27.7	27.4	26.7	26.4
161.5°	28.9	28.7	28.2	28.0	27.4	27.4	27.3	27.5	27.4	26.6	26.3
162°	28.7	28.6	28.0	27.8	27.5	27.2	27.3	27.4	27.4	26.6	26.2
162.5°	28.6	28.3	27.9	27.7	27.2	27.3	27.3	27.5	27.1	26.3	26.1
163°	28.3	28.2	27.6	27.6	26.8	27.0	27.2	27.5	26.7	26.4	26.2
163.5°	28.0	27.9	27.6	27.5	26.5	26.7	27.1	27.3	26.5	26.3	26.1
164°	27.8	27.7	27.6	27.5	26.4	26.4	26.8	27.0	26.3	26.2	26.0
164.5°	27.6	27.4	27.5	27.4	26.4	26.4	26.7	26.7	26.3	26.1	25.6
165°	27.5	27.4	27.4	27.4	26.3	26.4	26.4	26.4	26.3	25.7	25.5
165.5°	27.4	27.3	27.3	27.2	26.2	26.2	26.4	26.4	26.2	25.5	25.5
166°	27.2	27.1	27.2	27.1	26.1	26.2	26.4	26.4	26.1	25.5	25.4
166.5°	27.0	27.0	27.1	26.9	26.2	26.2	26.3	26.3	25.5	25.2	25.3
167°	26.8	26.9	26.8	26.7	26.1	26.0	26.1	26.3	25.5	25.1	25.2
167.5°	26.6	26.7	26.6	26.5	25.7	25.6	25.9	26.3	25.2	25.0	24.9
168°	26.3	26.5	26.4	26.3	25.6	25.5	25.5	26.1	25.0	24.8	24.9
168.5°	26.2	26.3	26.2	26.0	25.4	25.3	25.3	25.8	24.7	24.8	24.8
169°	26.0	26.1	26.0	25.8	25.3	25.3	25.1	25.3	24.7	24.8	24.8
169.5°	25.9	25.9	25.9	25.7	25.0	25.0	24.8	24.9	24.2	24.5	24.4
170°	25.6	25.7	25.7	25.5	24.9	24.9	24.8	24.7	23.9	24.0	24.1
170.5°	25.5	25.5	25.4	25.3	24.9	24.9	24.7	24.1	23.7	23.9	23.9
171°	25.2	25.4	25.3	25.1	24.9	24.9	24.1	23.7	23.6	23.7	23.7
171.5°	24.9	25.1	25.0	24.9	24.6	24.5	24.1	23.4	23.4	23.6	23.5
172°	24.7	24.8	24.7	24.6	24.1	24.1	23.7	23.0	23.2	23.4	23.4
172.5°	24.3	24.5	24.4	24.3	23.7	23.9	23.3	22.5	22.7	23.1	23.2
173°	23.9	24.0	23.9	23.8	23.4	23.5	22.9	22.4	22.3	22.5	22.7
173.5°	23.5	23.7	23.5	23.5	23.1	23.3	22.6	22.4	22.1	22.5	22.7
174°	23.5	23.7	23.5	23.5	23.0	23.3	22.6	22.4	22.2	22.5	22.8
174.5°	25.0	25.5	25.4	25.0	23.7	23.4	22.8	22.6	22.4	22.8	23.2
175°	26.3	26.7	26.6	26.5	25.4	24.8	24.4	24.5	24.2	24.5	24.9
175.5°	26.8	27.4	27.4	27.2	27.1	26.7	26.3	26.4	26.3	26.3	26.9
176°	27.3	27.7	27.8	27.4	27.6	27.5	27.3	27.4	27.3	27.3	27.6
176.5°	27.6	28.3	28.2	27.8	28.1	28.0	27.8	27.9	27.8	27.7	28.2
177°	28.5	28.5	28.6	28.6	28.6	28.5	28.4	28.4	28.4	28.3	28.7
177.5°	28.6	28.7	29.0	28.7	29.1	29.1	29.0	29.1	29.0	28.9	29.2
178°	28.9	28.9	29.1	29.0	29.1	29.2	29.2	29.1	29.4	29.4	29.5
178.5°	29.0	29.1	29.1	29.0	29.1	29.2	29.1	29.1	29.4	29.5	29.5
179°	29.2	29.2	29.1	29.2	29.1	29.1	29.2	29.1	29.3	29.5	29.5
179.5°	29.4	29.3	29.2	29.6	29.1	29.1	29.2	29.1	29.3	29.5	29.5



TEST NUMBER: P601034
CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	367.2	367.2	367.2	367.2	367.2	367.2
0.5°	367.2	367.2	367.2	367.2	367.2	367.1
1°	367.0	367.2	367.2	367.2	367.2	367.0
1.5°	367.0	367.2	367.2	367.2	367.2	367.0
2°	366.8	367.2	367.2	367.2	367.2	366.8
2.5°	366.8	367.2	367.0	367.0	366.8	366.6
3°	366.6	367.0	366.8	366.8	366.7	366.3
3.5°	366.6	366.8	366.4	366.5	366.4	366.1
4°	366.4	366.6	366.3	366.1	366.0	365.8
4.5°	366.2	366.4	366.0	365.8	365.7	365.6
5°	365.7	366.0	365.7	365.5	365.5	365.2
5.5°	365.6	365.7	365.4	365.2	365.1	364.5
6°	365.2	365.3	365.1	364.8	364.7	364.3
6.5°	364.9	364.9	364.5	364.3	364.2	364.1
7°	364.5	364.5	364.3	363.8	363.8	363.4
7.5°	364.1	364.1	363.8	363.5	363.3	362.7
8°	363.7	363.6	363.3	362.9	362.8	362.5
8.5°	363.2	363.2	362.7	362.4	362.3	361.9
9°	362.8	362.7	362.2	361.8	361.8	361.6
9.5°	362.2	362.1	361.5	361.2	361.1	361.0
10°	361.8	361.5	361.0	360.6	360.5	360.3
10.5°	361.2	361.0	360.5	359.9	359.9	359.6
11°	360.6	360.3	359.7	359.4	359.1	359.0
11.5°	360.1	359.6	359.0	358.6	358.6	358.2
12°	359.4	358.9	358.3	357.9	357.7	357.5
12.5°	358.8	358.2	357.5	357.1	356.9	356.8
13°	358.0	357.5	356.8	356.4	356.2	356.3
13.5°	357.4	356.7	356.0	355.6	355.3	355.2
14°	356.7	356.0	355.2	354.7	354.6	354.4
14.5°	355.9	355.3	354.3	353.8	353.8	353.7
15°	355.1	354.3	353.5	353.0	352.8	353.1
15.5°	354.2	353.4	352.8	352.3	352.2	352.0
16°	353.4	352.6	351.7	351.4	351.3	351.1
16.5°	352.5	351.8	351.0	350.3	350.3	350.3
17°	351.7	350.9	350.1	349.4	349.3	349.1
17.5°	351.0	349.8	349.0	348.2	348.2	348.0
18°	350.0	348.8	347.9	347.3	347.3	347.1
18.5°	349.1	347.8	347.0	346.3	346.2	346.0
19°	348.0	346.6	345.7	345.3	345.1	344.9
19.5°	347.1	345.6	344.7	344.1	343.9	343.8
20°	346.0	344.6	343.6	343.0	342.8	342.9
20.5°	345.0	343.3	342.4	341.8	341.6	341.7
21°	343.6	342.1	341.3	340.7	340.5	340.5
21.5°	342.6	341.0	340.0	339.3	339.2	339.3
22°	341.4	339.7	338.8	338.1	338.0	337.9



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	340.1	338.5	337.5	336.9	336.7	336.6
23°	338.9	337.3	336.3	335.6	335.3	335.4
23.5°	337.7	336.1	335.0	334.3	334.0	334.1
24°	336.3	334.8	333.6	332.9	332.6	332.8
24.5°	335.0	333.4	332.2	331.6	331.4	331.4
25°	333.8	332.0	330.8	330.2	329.9	330.0
25.5°	332.5	330.6	329.4	328.7	328.4	328.5
26°	331.1	329.2	328.1	327.3	327.0	327.0
26.5°	329.8	327.8	326.7	325.8	325.6	325.7
27°	328.3	326.3	325.0	324.3	324.0	324.1
27.5°	326.7	324.8	323.5	322.7	322.4	322.7
28°	325.4	323.2	322.0	321.2	321.1	321.2
28.5°	323.8	321.8	320.4	319.6	319.4	319.6
29°	322.3	320.2	318.9	318.1	317.5	317.8
29.5°	320.8	318.5	316.9	316.5	316.0	316.4
30°	319.1	316.9	315.6	314.9	314.4	314.5
30.5°	317.5	315.3	313.7	313.4	312.8	313.0
31°	315.9	313.6	312.4	311.6	311.3	311.5
31.5°	314.3	312.0	310.6	309.8	309.8	309.8
32°	312.7	310.4	309.1	308.2	308.1	308.2
32.5°	311.2	308.7	307.4	306.3	306.3	306.4
33°	309.5	307.0	305.5	304.8	304.3	304.6
33.5°	307.7	305.1	303.7	302.9	302.6	302.8
34°	305.9	303.4	301.9	301.0	300.7	301.0
34.5°	304.3	301.5	300.0	299.2	298.9	299.2
35°	302.3	299.8	298.2	297.3	297.2	297.3
35.5°	300.6	297.8	296.4	295.5	295.2	295.5
36°	298.7	296.0	294.6	293.5	293.3	293.6
36.5°	296.8	294.0	292.6	291.6	291.5	291.6
37°	295.1	292.2	290.6	289.7	289.6	289.7
37.5°	293.0	290.2	288.7	287.8	287.6	287.7
38°	291.3	288.2	286.8	285.9	285.6	285.8
38.5°	289.2	286.3	284.8	283.8	283.6	283.7
39°	287.4	284.3	282.8	281.9	281.6	281.9
39.5°	285.3	282.3	280.9	279.9	279.6	280.0
40°	283.4	280.2	278.8	277.8	277.7	277.9
40.5°	281.3	278.2	276.8	275.9	275.7	275.8
41°	279.4	276.1	274.8	273.8	273.5	273.8
41.5°	277.4	274.2	272.7	271.7	271.4	271.8
42°	275.2	272.2	270.8	269.7	269.5	269.8
42.5°	273.2	270.3	268.7	267.7	267.3	267.7
43°	271.1	268.2	266.6	265.7	265.6	265.7
43.5°	269.3	266.0	264.5	263.5	263.3	263.6
44°	267.2	263.9	262.3	261.3	261.1	261.5
44.5°	265.1	261.7	260.2	259.3	259.0	259.2



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	263.1	259.6	258.1	257.2	256.8	257.2
45.5°	260.9	257.6	255.9	255.0	254.7	255.2
46°	258.9	255.5	253.9	252.7	252.5	253.0
46.5°	256.8	253.1	251.7	250.8	250.4	250.7
47°	254.6	251.0	249.4	248.6	248.2	248.5
47.5°	252.4	248.8	247.2	246.3	246.0	246.5
48°	250.3	246.6	245.1	244.2	243.8	244.3
48.5°	248.0	244.5	242.8	241.9	241.7	242.0
49°	246.0	242.3	240.6	239.7	239.4	239.9
49.5°	243.8	240.0	238.4	237.4	237.2	237.6
50°	241.5	237.8	236.2	235.3	235.0	235.4
50.5°	239.4	235.6	234.0	233.0	232.8	233.1
51°	237.1	233.4	231.8	230.9	230.5	231.0
51.5°	235.0	231.2	229.8	228.7	228.4	228.8
52°	232.8	229.2	227.5	226.5	226.2	226.7
52.5°	230.4	226.8	225.3	224.3	224.0	224.4
53°	228.4	224.6	223.0	222.0	221.7	222.3
53.5°	226.1	222.4	220.7	219.8	219.5	220.0
54°	224.0	220.2	218.6	217.5	217.2	217.6
54.5°	221.7	217.9	216.2	215.3	214.9	215.3
55°	219.4	215.7	213.9	213.1	212.6	213.2
55.5°	217.1	213.3	211.7	210.7	210.4	210.8
56°	214.9	211.2	209.6	208.5	208.0	208.5
56.5°	212.7	208.8	207.2	206.1	205.7	206.3
57°	210.3	206.4	204.8	203.8	203.6	204.0
57.5°	207.9	204.2	202.4	201.5	201.2	201.6
58°	205.6	201.9	200.2	199.3	198.8	199.5
58.5°	203.4	199.7	198.0	197.0	196.6	197.2
59°	201.0	197.3	195.7	194.7	194.4	194.8
59.5°	198.8	195.0	193.4	192.3	192.1	192.6
60°	196.5	192.8	191.1	190.2	189.9	190.3
60.5°	194.1	190.4	189.0	188.0	187.6	188.1
61°	191.9	188.4	186.8	185.7	185.3	185.9
61.5°	189.6	186.0	184.4	183.3	183.0	183.7
62°	187.5	183.8	182.1	181.0	180.7	181.4
62.5°	185.3	181.6	179.7	178.7	178.4	179.0
63°	182.9	179.2	177.4	176.4	176.2	176.8
63.5°	180.7	176.9	175.2	174.1	173.8	174.4
64°	178.4	174.6	172.8	171.8	171.5	172.1
64.5°	176.0	172.3	170.5	169.4	169.2	169.8
65°	173.8	170.0	168.2	167.3	167.0	167.5
65.5°	171.4	167.7	165.9	165.0	164.6	165.4
66°	169.2	165.4	163.7	162.8	162.3	163.0
66.5°	166.9	163.1	161.4	160.4	160.2	160.8
67°	164.6	160.9	159.2	158.2	158.0	158.6



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	162.5	158.7	156.9	155.9	155.6	156.2
68°	160.1	156.4	154.7	153.7	153.4	154.0
68.5°	157.9	154.2	152.4	151.5	151.2	151.9
69°	155.7	151.9	150.2	149.3	149.1	149.6
69.5°	153.5	149.8	148.1	147.1	146.9	147.6
70°	151.3	147.7	145.9	144.9	144.8	145.4
70.5°	149.1	145.5	143.8	142.8	142.6	143.2
71°	147.0	143.3	141.5	140.6	140.4	141.1
71.5°	144.8	141.2	139.4	138.4	138.3	138.9
72°	142.6	139.1	137.3	136.2	136.2	136.8
72.5°	140.5	136.9	135.2	134.2	134.1	134.7
73°	138.3	134.8	133.1	132.1	131.9	132.5
73.5°	136.2	132.8	131.1	130.0	130.0	130.5
74°	134.1	130.7	128.9	127.9	127.9	128.4
74.5°	132.0	128.7	127.0	125.9	125.8	126.3
75°	129.8	126.5	124.8	123.8	123.7	124.3
75.5°	127.8	124.7	123.0	121.9	121.7	122.3
76°	125.7	122.6	120.9	119.8	119.6	120.4
76.5°	123.7	120.6	118.8	117.8	117.6	118.4
77°	121.6	118.6	116.9	115.9	115.7	116.5
77.5°	119.8	116.6	114.9	113.9	113.8	114.5
78°	117.7	114.7	113.0	112.0	111.9	112.5
78.5°	115.7	112.7	111.0	110.1	110.0	110.7
79°	113.8	110.8	109.2	108.4	108.4	108.8
79.5°	111.9	109.0	107.5	106.6	106.5	107.1
80°	109.9	107.3	105.7	104.7	104.6	105.2
80.5°	108.2	105.5	103.9	102.9	102.9	103.4
81°	106.4	103.6	102.0	101.0	101.0	101.7
81.5°	104.6	101.8	100.3	99.2	99.3	99.8
82°	102.6	100.0	98.4	97.5	97.5	98.1
82.5°	100.7	98.2	96.8	95.8	95.7	96.4
83°	99.1	96.5	95.0	94.0	94.0	94.6
83.5°	97.3	94.7	93.2	92.3	92.3	92.9
84°	95.5	93.1	91.5	90.7	90.6	91.2
84.5°	93.7	91.4	89.9	89.0	89.0	89.5
85°	92.1	89.8	88.3	87.5	87.4	87.9
85.5°	90.4	88.2	86.7	85.6	85.7	86.3
86°	88.7	86.6	85.0	84.1	84.1	84.8
86.5°	87.1	84.9	83.4	82.6	82.6	83.2
87°	85.4	83.3	81.9	81.1	81.1	81.7
87.5°	83.7	81.8	80.4	79.5	79.5	80.2
88°	82.3	80.4	78.9	78.0	78.0	78.7
88.5°	80.6	78.9	77.3	76.6	76.6	77.3
89°	79.0	77.3	75.8	75.1	75.1	75.7
89.5°	77.5	75.8	74.4	73.7	73.7	74.3



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	76.0	74.4	73.0	72.3	72.3	72.9
90.5°	74.5	72.9	71.7	70.9	70.9	71.5
91°	73.1	71.6	70.3	69.5	69.5	70.2
91.5°	71.7	70.2	68.9	68.2	68.2	68.9
92°	70.2	68.9	67.7	67.0	67.1	67.6
92.5°	68.8	67.7	66.4	65.7	65.9	66.4
93°	67.5	66.4	65.1	64.4	64.5	65.2
93.5°	66.4	65.1	63.9	63.2	63.3	63.9
94°	64.9	63.9	62.7	62.0	62.2	62.7
94.5°	63.4	62.6	61.5	60.9	60.8	61.5
95°	62.3	61.5	60.3	59.6	59.6	60.4
95.5°	61.4	60.3	59.2	58.5	58.4	59.1
96°	60.0	59.1	58.0	57.3	57.3	58.0
96.5°	58.8	58.0	56.9	56.2	56.2	57.0
97°	57.6	56.8	55.9	55.1	55.1	55.9
97.5°	56.4	55.8	54.9	54.1	54.1	54.8
98°	55.3	54.7	53.8	53.0	53.1	53.8
98.5°	54.3	53.7	52.8	52.0	52.1	52.8
99°	53.1	52.6	51.7	51.1	51.1	51.8
99.5°	52.1	51.7	50.8	50.0	50.0	50.9
100°	51.1	50.6	49.8	49.1	49.2	49.9
100.5°	50.0	49.7	48.8	48.2	48.3	49.0
101°	49.3	48.8	47.9	47.3	47.4	48.1
101.5°	47.9	47.9	47.1	46.5	46.5	47.2
102°	47.5	47.1	46.2	45.7	45.6	46.3
102.5°	46.4	46.0	45.3	44.6	44.9	45.4
103°	45.5	45.1	44.5	44.0	44.1	44.7
103.5°	44.5	44.3	43.8	43.3	43.0	43.9
104°	43.8	43.5	42.9	42.6	42.6	43.1
104.5°	42.6	42.8	41.9	41.9	41.9	42.4
105°	42.1	42.0	41.5	41.1	41.2	41.7
105.5°	41.4	41.3	40.9	40.5	40.5	41.0
106°	40.8	40.6	40.1	39.8	39.8	40.3
106.5°	39.9	39.8	39.5	39.3	39.2	39.6
107°	39.4	39.2	38.9	38.6	38.5	38.9
107.5°	38.6	38.6	38.2	38.1	38.0	38.4
108°	38.0	37.9	37.6	37.4	37.4	37.8
108.5°	37.2	37.3	37.0	36.9	36.8	37.2
109°	36.5	36.7	36.5	36.3	36.3	36.7
109.5°	36.0	36.1	35.9	35.8	35.7	36.1
110°	35.3	35.5	35.3	35.3	35.2	35.6
110.5°	34.8	35.0	34.9	34.8	34.7	35.1
111°	34.1	34.5	34.4	34.3	34.2	34.6
111.5°	33.7	33.9	33.8	33.9	33.7	34.1
112°	33.1	33.4	33.4	33.4	33.3	33.7



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	32.6	33.0	33.0	33.0	32.9	33.3
113°	32.2	32.5	32.6	32.6	32.5	32.8
113.5°	31.6	32.1	32.2	32.2	32.1	32.4
114°	31.3	31.6	31.8	31.9	31.7	32.0
114.5°	31.0	31.3	31.4	31.5	31.3	31.7
115°	30.4	30.9	30.9	31.1	30.9	31.3
115.5°	29.9	30.7	30.7	30.7	30.6	30.9
116°	29.7	30.2	30.3	30.4	30.2	30.5
116.5°	29.1	29.9	30.0	30.0	29.8	30.1
117°	28.8	29.5	29.6	29.6	29.4	29.7
117.5°	28.5	29.2	29.3	29.4	29.1	29.5
118°	28.1	28.8	29.0	29.1	28.8	29.2
118.5°	27.8	28.5	28.7	28.7	28.4	28.9
119°	27.5	28.2	28.4	28.4	28.1	28.5
119.5°	27.3	28.0	28.1	28.1	27.9	28.3
120°	27.2	27.7	27.9	28.0	27.5	28.1
120.5°	26.6	27.6	27.6	27.6	27.5	27.8
121°	26.4	27.4	27.6	27.6	27.3	27.6
121.5°	26.4	27.2	27.3	27.3	27.1	27.4
122°	26.2	27.0	27.2	27.1	26.9	27.4
122.5°	26.2	26.9	27.0	26.9	26.6	27.3
123°	25.8	26.7	26.8	26.8	26.4	27.2
123.5°	25.6	26.5	26.7	26.6	26.4	27.0
124°	25.3	26.4	26.5	26.4	26.2	26.9
124.5°	25.3	26.3	26.4	26.1	26.2	26.8
125°	25.1	26.1	26.3	26.1	26.0	26.8
125.5°	25.2	26.1	26.2	25.9	25.8	26.6
126°	25.1	26.0	26.1	25.8	25.8	26.5
126.5°	25.1	25.7	26.1	25.7	25.7	26.4
127°	25.1	25.7	25.9	25.7	25.6	26.3
127.5°	25.1	25.7	25.9	25.6	25.6	26.2
128°	25.1	25.7	25.8	25.4	25.5	26.2
128.5°	25.1	25.5	25.7	25.5	25.4	26.2
129°	25.1	25.5	25.7	25.4	25.4	26.1
129.5°	25.1	25.6	25.7	25.4	25.4	26.1
130°	25.1	25.5	25.7	25.4	25.4	26.1
130.5°	25.1	25.5	25.7	25.3	25.4	26.1
131°	25.1	25.5	25.7	25.3	25.4	26.1
131.5°	25.1	25.5	25.7	25.3	25.4	26.0
132°	25.1	25.5	25.7	25.3	25.4	26.0
132.5°	25.2	25.5	25.7	25.3	25.4	26.0
133°	25.3	25.5	25.7	25.3	25.4	26.0
133.5°	25.3	25.5	25.7	25.3	25.4	26.0
134°	25.4	25.5	25.7	25.3	25.4	26.0
134.5°	25.5	25.5	25.7	25.3	25.4	26.0



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	25.6	25.5	25.7	25.3	25.4	26.0
135.5°	25.7	25.5	25.7	25.3	25.4	26.1
136°	25.7	25.5	25.7	25.4	25.4	26.0
136.5°	25.8	25.5	25.7	25.4	25.4	26.0
137°	25.9	25.6	25.7	25.5	25.4	26.3
137.5°	26.0	25.9	25.7	25.7	25.5	26.3
138°	26.1	26.3	25.7	25.7	25.6	26.3
138.5°	26.3	26.2	26.1	26.0	26.0	26.3
139°	26.4	26.3	26.1	26.2	26.2	26.4
139.5°	26.5	26.3	26.3	26.2	26.2	26.3
140°	26.5	26.4	26.3	26.3	26.2	26.6
140.5°	26.5	26.4	26.4	26.4	26.4	26.7
141°	26.5	26.6	26.4	26.4	26.4	27.3
141.5°	26.7	26.8	26.6	26.4	26.5	27.4
142°	26.8	27.3	26.8	26.6	26.8	27.4
142.5°	26.8	27.4	27.2	26.8	27.2	27.5
143°	27.0	27.4	27.2	27.2	27.4	27.8
143.5°	27.1	27.5	27.2	27.4	27.4	27.9
144°	27.3	27.7	27.5	27.3	27.5	28.4
144.5°	27.5	27.9	27.7	27.4	27.6	28.5
145°	27.5	28.4	27.8	27.6	27.9	28.5
145.5°	27.7	28.6	27.9	27.8	28.2	28.7
146°	27.9	28.6	28.2	28.0	28.6	28.9
146.5°	28.0	28.7	28.5	28.3	28.6	29.0
147°	28.3	28.8	28.6	28.5	28.6	29.2
147.5°	28.5	28.9	28.6	28.6	28.7	29.7
148°	28.7	29.1	28.7	28.7	28.9	29.7
148.5°	28.7	29.1	28.7	28.7	29.1	30.0
149°	28.7	29.3	28.8	28.8	29.1	30.0
149.5°	28.7	29.6	29.1	29.0	29.4	30.0
150°	28.7	30.0	29.1	29.1	29.7	30.1
150.5°	28.7	29.9	29.2	29.2	29.9	30.1
151°	28.7	30.0	29.5	29.4	29.9	30.2
151.5°	28.7	29.9	29.6	29.5	29.9	30.2
152°	28.7	30.1	29.6	29.5	29.9	30.2
152.5°	28.7	30.1	29.6	29.4	30.0	30.2
153°	28.6	30.1	29.6	29.4	29.9	30.2
153.5°	28.5	29.9	29.6	29.4	29.9	30.2
154°	28.5	29.9	29.7	29.4	29.9	30.2
154.5°	28.2	29.7	29.7	29.4	29.9	30.2
155°	28.0	29.6	29.5	29.4	29.9	30.2
155.5°	27.9	29.4	29.5	29.4	29.9	30.3
156°	27.7	29.2	29.4	29.4	29.9	30.3
156.5°	27.6	29.1	29.3	29.4	29.6	30.2
157°	27.5	29.0	29.2	29.3	29.5	30.0



TEST NUMBER: P601034
 CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	27.4	28.8	29.2	29.3	29.5	29.9
158°	27.3	28.8	29.1	29.1	29.5	29.9
158.5°	27.3	28.7	29.0	29.1	29.3	29.8
159°	27.1	28.5	28.9	28.9	29.2	29.6
159.5°	26.9	28.4	28.8	28.9	29.2	29.5
160°	26.7	28.3	28.6	28.8	29.0	29.5
160.5°	26.5	28.3	28.6	28.6	29.0	29.3
161°	26.4	28.0	28.4	28.5	28.9	29.2
161.5°	26.4	27.9	28.3	28.4	28.7	28.9
162°	26.3	27.7	28.1	28.3	28.6	28.7
162.5°	26.3	27.5	28.0	28.2	28.5	28.6
163°	26.3	27.4	27.8	28.1	28.4	28.3
163.5°	26.1	27.2	27.7	28.0	28.3	28.0
164°	26.0	27.2	27.5	27.8	28.2	27.8
164.5°	25.8	26.9	27.6	27.7	28.0	27.6
165°	25.6	26.8	27.4	27.7	28.0	27.5
165.5°	25.5	26.7	27.3	27.5	27.8	27.4
166°	25.4	26.6	27.1	27.6	27.6	27.2
166.5°	25.3	26.4	26.9	27.5	27.5	27.0
167°	25.2	26.2	26.7	27.3	27.2	26.8
167.5°	25.0	26.1	26.4	27.1	26.9	26.6
168°	24.8	25.7	26.1	26.9	26.7	26.3
168.5°	24.9	25.7	26.0	26.5	26.3	26.2
169°	24.9	25.5	25.7	26.1	26.0	26.0
169.5°	24.5	25.3	25.5	25.7	25.7	25.9
170°	24.2	25.1	25.3	25.2	25.5	25.6
170.5°	24.0	24.8	25.0	24.8	25.3	25.5
171°	23.7	24.6	24.7	24.4	25.0	25.2
171.5°	23.6	24.3	24.3	23.8	24.6	24.9
172°	23.5	23.9	23.9	23.4	24.2	24.7
172.5°	23.3	23.5	23.3	22.9	23.7	24.3
173°	22.8	23.0	22.6	22.5	23.1	23.9
173.5°	22.7	22.6	22.3	22.1	22.6	23.5
174°	22.8	22.6	22.4	22.1	22.6	23.5
174.5°	23.0	24.6	24.2	24.0	24.2	25.0
175°	24.8	26.0	25.6	25.5	25.7	26.3
175.5°	26.9	26.4	26.3	26.4	26.4	26.8
176°	27.8	27.1	26.9	26.8	27.0	27.3
176.5°	28.4	27.6	27.5	27.5	27.5	27.6
177°	28.8	28.2	28.2	28.0	28.3	28.5
177.5°	29.2	28.5	28.5	28.6	28.6	28.6
178°	29.2	28.6	28.6	28.8	28.8	28.9
178.5°	29.2	28.8	28.8	28.9	29.1	29.0
179°	29.2	29.0	28.9	29.0	29.2	29.2
179.5°	29.2	29.2	29.1	29.1	29.3	29.4



TEST NUMBER: P601034
CATALOG NUMBER: FM159S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	29.7	29.7	29.7	29.7	29.7	29.7

(END OF REPORT)