

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: P601035

Luminaire Tested: FM159S1EWHR\_3000K

Issue Date: 3/14/2023

**Test Information**

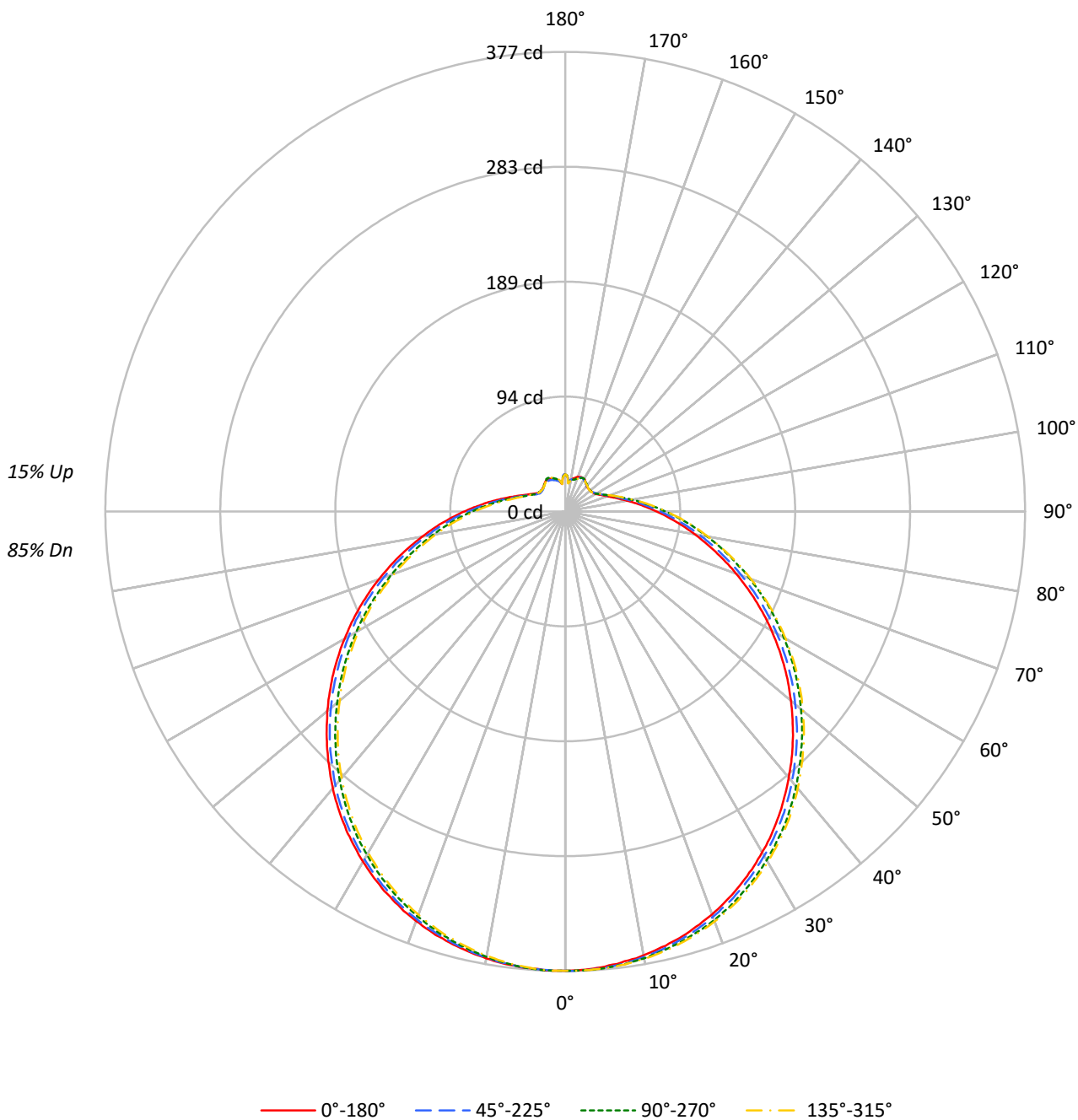
Test Method: LM-79-2019  
Report Number: P601035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2117163A001)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/14/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: FM159S1EWHR\_3000K  
Description: FM159S1EWHR at 3000K  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1563.3 lumens  
Efficiency: N/A  
Efficacy: 89.8 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°	3305	3305	3305	3305
5°	3205	3216	3215	3213
10°	3109	3130	3130	3119
15°	3018	3046	3049	3029
20°	2927	2967	2973	2941
25°	2833	2884	2893	2850
30°	2738	2802	2813	2758
35°	2644	2718	2729	2667
40°	2547	2629	2647	2569
45°	2450	2543	2562	2473
50°	2354	2458	2481	2377
55°	2261	2377	2397	2287
60°	2165	2296	2316	2193
65°	2073	2219	2241	2105
70°	1989	2145	2167	2021
75°	1918	2088	2106	1951
80°	1875	2053	2070	1914
85°	1875	2062	2076	1916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°  
 Vertical Angle: 45°  
 Luminance: 2568 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	2.3
10°-20°	102.9	6.6
20°-30°	158.0	10.1
30°-40°	194.3	12.4
40°-50°	208.6	13.3
50°-60°	201.8	12.9
60°-70°	177.4	11.3
70°-80°	141.8	9.1
80°-90°	104.2	6.7
90°-100°	71.4	4.6
100°-110°	47.4	3.0
110°-120°	32.6	2.1
120°-130°	24.4	1.6
130°-140°	20.6	1.3
140°-150°	18.1	1.2
150°-160°	13.8	0.9
160°-170°	7.8	0.5
170°-180°	2.4	0.2
0°-30°	296.6	19.0
0°-40°	490.9	31.4
0°-60°	901.3	57.7
0°-90°	1324.7	84.7
90°-120°	151.4	9.7
90°-150°	214.5	13.7
90°-180°	239.0	15.3
0°-180°	1563.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	377	377	377	377	377	
5°	375	376	376	376	375	36
15°	362	366	366	364	362	102
25°	339	345	346	341	339	156
35°	305	314	315	308	305	191
45°	264	274	276	266	264	204
55°	219	230	232	221	219	196
65°	172	184	186	174	172	170
75°	128	139	140	130	128	135
85°	90	99	100	92	90	77
90°	75	82	83	76	75	41
95°	62	68	68	63	62	48
105°	43	46	46	43	43	46
115°	32	33	33	32	32	32
125°	28	27	27	27	28	25
135°	27	27	26	26	27	21
145°	29	30	29	29	29	18
155°	31	30	29	30	31	14
165°	28	27	27	28	28	8
175°	27	26	25	27	27	2
180°	30	30	30	30	30	



TEST NUMBER: P601035  
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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
0.5°	376.7	376.8	376.9	376.9	376.8	376.8	376.8	376.8	376.8	376.8	376.8
1°	376.6	376.7	376.9	376.9	376.8	376.8	376.8	376.9	376.8	376.6	376.8
1.5°	376.6	376.7	376.9	376.9	376.7	376.8	376.8	376.9	376.8	376.5	376.6
2°	376.4	376.5	376.9	376.9	376.7	376.9	376.9	376.7	376.8	376.4	376.5
2.5°	376.2	376.3	376.7	376.9	376.6	376.9	376.7	376.8	376.8	376.3	376.4
3°	375.9	376.1	376.6	376.9	376.5	376.8	376.8	376.6	376.1	376.2	376.4
3.5°	375.7	375.9	376.2	376.7	376.5	376.6	376.4	376.6	376.0	376.0	376.2
4°	375.4	375.6	376.1	376.4	376.3	376.4	376.4	376.4	375.9	375.9	376.1
4.5°	375.1	375.3	375.8	376.3	376.2	376.3	376.3	376.2	375.8	375.7	375.9
5°	374.7	375.1	375.5	376.2	376.0	376.2	376.0	376.2	375.9	375.6	375.7
5.5°	374.0	374.7	375.4	375.7	375.6	376.1	376.0	376.2	375.7	375.4	375.5
6°	373.8	374.3	374.9	375.3	375.4	375.7	375.6	375.8	375.2	375.0	375.0
6.5°	373.6	373.9	374.7	375.0	375.0	375.4	375.3	375.3	374.8	374.8	374.7
7°	373.0	373.4	374.2	374.6	374.7	375.0	375.0	375.1	374.6	374.4	374.3
7.5°	372.2	373.0	373.7	374.3	374.4	374.8	374.8	374.8	374.4	374.2	373.9
8°	372.0	372.5	373.3	373.8	374.0	374.3	374.2	374.4	374.1	373.7	373.6
8.5°	371.4	372.0	372.8	373.4	373.5	373.8	374.0	374.0	373.6	373.3	373.3
9°	371.1	371.4	372.3	372.8	373.1	373.4	373.6	373.6	373.3	372.9	372.5
9.5°	370.5	370.8	371.7	372.4	372.6	373.0	373.1	373.2	372.6	372.4	372.2
10°	369.7	370.2	371.1	371.9	372.2	372.5	372.6	372.6	372.3	371.9	371.6
10.5°	369.1	369.6	370.5	371.3	371.6	372.1	372.3	372.2	371.7	371.4	371.2
11°	368.4	369.0	369.9	370.6	371.0	371.5	371.7	371.8	371.2	370.8	370.5
11.5°	367.6	368.3	369.2	369.9	370.5	370.9	371.1	371.3	370.7	370.3	369.9
12°	366.9	367.5	368.5	369.3	369.9	370.4	370.6	370.7	370.2	369.7	369.4
12.5°	366.1	366.8	367.9	368.6	369.2	369.8	369.9	370.0	369.4	369.0	368.7
13°	365.6	366.0	367.2	368.0	368.6	369.1	369.4	369.4	368.8	368.5	368.1
13.5°	364.5	365.3	366.3	367.2	367.8	368.5	368.8	368.8	368.1	367.8	367.4
14°	363.7	364.3	365.6	366.5	367.1	367.9	368.0	368.1	367.5	367.0	366.6
14.5°	363.0	363.6	364.7	365.6	366.5	367.2	367.3	367.4	366.9	366.4	365.9
15°	362.3	362.7	363.9	364.8	365.7	366.3	366.6	366.6	366.0	365.6	365.0
15.5°	361.2	361.8	363.0	363.9	364.9	365.8	365.9	366.0	365.4	364.9	364.3
16°	360.3	361.1	362.1	363.0	364.0	364.7	365.1	365.2	364.3	364.0	363.4
16.5°	359.4	360.1	361.3	362.1	363.1	363.9	364.3	364.3	363.8	363.1	362.6
17°	358.2	359.1	360.3	361.6	362.3	363.2	363.5	363.5	363.3	362.4	361.7
17.5°	357.1	358.1	359.4	360.6	361.4	362.1	362.6	362.6	362.1	361.5	360.8
18°	356.2	357.0	358.3	359.5	360.7	361.3	361.7	361.7	361.2	360.5	360.1
18.5°	355.0	356.1	357.3	358.6	359.7	360.6	360.9	360.8	360.4	359.8	359.1
19°	353.9	354.9	356.3	357.4	358.8	359.5	360.0	360.1	359.5	358.8	358.0
19.5°	352.8	353.8	355.2	356.5	357.8	358.6	359.0	359.1	358.1	357.8	357.0
20°	351.9	352.7	354.0	355.3	356.8	357.6	358.0	358.1	357.5	356.8	355.9
20.5°	350.6	351.4	352.8	354.1	355.7	356.5	357.0	357.1	356.5	355.7	354.9
21°	349.4	350.3	351.8	353.0	354.6	355.5	355.9	356.0	355.3	354.9	353.9
21.5°	348.2	349.0	350.0	351.9	353.4	354.4	354.8	355.0	354.3	353.6	352.7
22°	346.8	347.7	349.4	350.7	352.3	353.0	353.7	353.8	353.5	352.4	351.5



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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°	345.4	346.4	348.0	349.5	351.2	352.0	352.5	352.7	352.1	351.2	350.3
23°	344.1	345.2	346.8	348.3	349.9	350.7	351.4	351.5	350.6	349.9	349.1
23.5°	342.8	343.8	345.6	347.0	348.6	349.6	350.2	350.3	349.8	348.8	347.9
24°	341.5	342.4	344.1	345.7	347.4	348.3	349.0	349.1	348.4	347.6	346.5
24.5°	340.1	341.1	342.7	344.4	346.1	347.1	347.6	347.7	347.0	346.3	345.1
25°	338.6	339.8	341.4	342.9	344.7	345.6	346.3	346.4	345.8	345.0	344.0
25.5°	337.1	338.4	340.0	341.5	343.4	344.5	345.1	345.1	344.8	343.6	342.3
26°	335.6	336.6	338.5	340.3	342.1	343.2	343.7	343.7	343.3	342.2	341.3
26.5°	334.2	335.2	337.0	338.7	340.6	341.9	342.4	342.4	341.8	340.9	339.7
27°	332.5	333.7	335.6	337.2	339.4	340.4	340.9	341.0	340.5	339.5	338.3
27.5°	331.2	332.1	334.1	335.8	337.9	339.0	339.7	339.6	339.2	338.1	336.9
28°	329.6	330.5	332.5	334.4	336.3	337.4	338.1	338.3	337.5	336.5	335.4
28.5°	327.9	329.0	330.9	332.7	334.8	336.0	336.7	336.8	336.1	335.2	333.9
29°	326.1	327.3	329.4	331.2	333.5	334.6	335.1	335.3	334.6	333.7	332.4
29.5°	324.7	325.8	327.8	329.6	331.8	333.1	333.7	333.8	333.0	332.2	330.9
30°	322.8	324.5	326.2	328.0	330.3	331.5	332.1	332.2	331.6	330.5	329.3
30.5°	321.2	322.5	324.6	326.5	328.7	329.9	330.5	330.7	330.0	328.9	327.7
31°	319.7	320.8	322.8	324.7	327.0	328.4	328.9	329.1	328.5	327.4	325.9
31.5°	317.9	319.4	321.2	323.0	325.4	326.8	327.2	327.6	326.7	325.7	324.4
32°	316.3	317.6	319.7	321.4	323.9	325.2	325.7	325.8	325.1	324.1	322.7
32.5°	314.4	315.8	317.9	319.8	322.1	323.4	324.0	324.3	323.6	322.5	321.0
33°	312.6	314.1	316.0	318.3	320.4	321.6	322.4	322.6	321.9	320.9	319.3
33.5°	310.7	312.2	314.4	316.3	318.9	319.9	320.7	320.9	320.1	319.1	317.6
34°	308.8	310.3	312.5	314.6	317.2	318.4	319.1	319.2	318.8	317.5	315.8
34.5°	307.0	308.4	310.6	312.7	315.3	316.7	317.4	317.6	317.0	315.8	314.1
35°	305.1	306.5	308.8	310.8	313.6	315.0	315.5	315.8	314.9	314.0	312.3
35.5°	303.2	304.7	307.0	309.0	311.8	313.1	313.8	314.0	313.3	312.2	310.5
36°	301.3	302.7	305.2	307.1	309.9	311.2	312.0	312.2	311.4	310.3	308.6
36.5°	299.2	300.8	303.1	305.2	308.0	309.4	310.1	310.3	309.7	308.6	306.8
37°	297.3	298.8	301.2	303.4	306.1	307.8	308.2	308.6	307.9	306.7	304.8
37.5°	295.2	296.9	299.2	301.5	304.2	305.6	306.3	306.6	306.0	304.7	303.0
38°	293.3	294.8	297.4	299.5	302.3	303.7	304.3	304.7	304.1	302.8	301.0
38.5°	291.2	292.8	295.3	297.5	300.4	301.9	302.5	302.9	302.3	300.9	299.1
39°	289.3	290.9	293.3	295.6	298.4	299.7	300.6	300.8	300.3	298.8	297.1
39.5°	287.3	288.8	291.3	293.6	296.6	297.9	298.8	298.9	298.4	297.2	295.2
40°	285.2	286.7	289.2	291.6	294.4	295.8	296.6	296.9	296.4	295.0	293.1
40.5°	283.0	284.7	287.2	289.6	292.6	293.8	294.6	294.9	294.4	293.1	291.2
41°	281.0	282.6	285.1	287.4	290.4	291.8	292.7	292.9	292.4	291.1	289.0
41.5°	278.9	280.4	283.2	285.4	288.5	289.9	290.5	290.8	290.3	289.0	286.9
42°	276.9	278.3	280.9	283.3	286.3	287.9	288.5	288.9	288.2	286.9	284.8
42.5°	274.8	276.4	278.8	281.2	284.3	285.8	286.5	286.8	286.1	284.8	282.7
43°	272.6	274.3	276.9	279.2	282.3	283.6	284.3	284.7	284.1	282.8	280.6
43.5°	270.5	272.3	274.8	277.3	280.2	281.5	282.4	282.7	282.2	280.8	278.6
44°	268.3	270.1	272.7	275.1	277.9	279.6	280.2	280.6	279.9	278.5	276.7
44.5°	266.0	267.8	270.5	273.0	276.1	277.3	278.0	278.4	277.8	276.7	274.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	263.9	265.7	268.3	270.9	273.9	275.5	276.1	276.6	276.0	274.5	272.5
45.5°	261.9	263.4	266.2	268.7	271.9	273.3	274.1	274.4	273.9	272.6	270.5
46°	259.6	261.3	264.1	266.5	269.7	271.0	271.9	272.3	271.6	270.4	268.2
46.5°	257.3	259.1	262.0	264.4	267.6	269.1	269.8	270.1	269.5	268.4	266.0
47°	255.0	256.9	259.7	262.1	265.5	266.9	267.6	267.9	267.5	266.2	263.8
47.5°	252.9	254.6	257.4	260.0	263.3	264.7	265.4	265.9	265.3	263.9	261.7
48°	250.7	252.5	255.1	257.8	261.2	262.4	263.3	263.7	263.0	261.8	259.7
48.5°	248.4	250.3	252.8	255.6	258.9	260.3	261.1	261.5	260.8	259.6	257.4
49°	246.1	248.0	250.7	253.3	256.7	258.1	258.8	259.3	258.6	257.4	255.2
49.5°	243.8	245.7	248.5	251.3	254.5	256.0	256.7	257.1	256.6	255.3	253.1
50°	241.6	243.5	246.2	248.9	252.3	253.7	254.6	255.0	254.7	253.2	250.7
50.5°	239.2	241.2	244.0	246.7	250.1	251.5	252.1	252.7	252.1	250.9	248.4
51°	237.0	238.9	241.8	244.4	247.9	249.3	250.0	250.4	249.9	248.6	246.2
51.5°	234.8	236.6	239.6	242.2	245.7	247.2	247.8	248.3	248.0	246.6	244.0
52°	232.6	234.6	237.3	239.9	243.5	244.7	245.6	246.0	245.5	244.2	241.9
52.5°	230.3	232.2	235.2	237.6	241.2	242.6	243.3	243.7	243.3	242.0	239.5
53°	228.1	229.9	232.8	235.7	238.9	240.4	241.0	241.4	241.0	239.7	237.3
53.5°	225.7	227.6	230.6	233.3	236.7	238.0	238.8	239.2	238.7	237.4	235.1
54°	223.3	225.3	228.2	231.1	234.6	235.7	236.5	236.8	236.6	235.3	232.6
54.5°	220.9	223.0	226.0	228.8	232.3	233.6	234.3	234.6	234.4	233.0	230.4
55°	218.8	220.6	223.6	226.6	230.1	231.4	232.1	232.5	232.0	230.8	228.2
55.5°	216.3	218.3	221.3	224.2	227.7	229.2	229.8	230.2	229.8	228.5	225.9
56°	214.0	216.0	219.0	221.8	225.4	226.6	227.3	227.7	227.5	226.1	223.6
56.5°	211.7	213.6	216.7	219.5	223.2	224.5	225.0	225.5	225.1	223.8	221.3
57°	209.4	211.3	214.3	217.2	220.9	222.1	222.8	223.2	222.9	221.6	219.1
57.5°	206.9	208.9	211.9	215.2	218.6	220.0	220.4	220.8	220.5	219.3	216.6
58°	204.7	206.7	209.8	212.5	216.3	217.5	218.1	218.5	218.2	217.1	214.3
58.5°	202.3	204.3	207.4	210.3	213.9	215.2	215.7	216.2	215.9	214.6	211.7
59°	199.9	202.1	205.1	208.0	211.7	212.8	213.4	213.9	213.6	212.4	209.5
59.5°	197.6	199.7	202.6	205.7	209.4	210.6	211.0	211.5	211.3	210.0	207.1
60°	195.3	197.3	200.4	203.3	207.1	208.3	208.7	209.2	208.9	207.7	205.0
60.5°	193.1	195.0	198.0	201.0	204.8	205.9	206.3	206.8	206.6	205.3	202.6
61°	190.8	192.8	195.7	198.7	202.4	203.5	204.0	204.5	204.2	203.0	200.2
61.5°	188.5	190.4	193.5	196.5	200.0	201.1	201.6	202.2	201.9	200.5	197.9
62°	186.1	188.1	191.1	194.3	197.8	198.9	199.2	199.8	199.6	198.3	195.6
62.5°	183.7	185.6	188.8	191.9	195.4	196.6	196.9	197.4	197.4	195.8	193.6
63°	181.4	183.3	186.4	189.5	193.3	194.2	194.6	195.0	195.0	193.7	191.0
63.5°	179.0	180.9	184.1	187.3	191.0	192.0	192.4	192.9	192.6	191.3	188.7
64°	176.6	178.6	181.7	185.0	188.7	189.7	190.1	190.6	190.4	189.0	186.3
64.5°	174.3	176.3	179.4	182.6	186.3	187.4	187.7	188.3	188.1	186.7	183.9
65°	171.9	173.9	177.0	180.3	184.0	185.0	185.3	185.9	185.8	184.5	181.6
65.5°	169.7	171.6	174.7	177.9	181.7	182.7	183.0	183.5	183.4	182.1	179.3
66°	167.3	169.1	172.3	175.5	179.4	180.4	180.6	181.1	181.1	179.6	176.9
66.5°	165.0	166.9	170.0	173.2	177.1	178.1	178.3	178.8	178.7	177.3	174.5
67°	162.7	164.5	167.7	171.0	174.7	175.8	175.9	176.5	176.3	175.0	172.3





TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	160.3	162.3	165.3	168.6	172.6	173.4	173.7	174.2	174.1	172.8	170.2
68°	158.0	159.9	163.2	166.2	170.2	171.0	171.4	171.9	171.8	170.4	167.5
68.5°	155.9	157.8	160.9	164.0	167.8	168.7	169.0	169.4	169.4	168.0	165.2
69°	153.5	155.4	158.6	161.7	165.5	166.5	166.7	167.2	167.0	165.7	162.9
69.5°	151.4	153.3	156.2	159.4	163.2	164.1	164.4	164.8	164.7	163.4	160.5
70°	149.2	151.2	154.0	157.3	160.9	161.8	162.2	162.6	162.5	161.0	158.3
70.5°	147.0	148.8	151.9	154.9	158.7	159.7	159.8	160.2	160.2	158.9	156.1
71°	144.8	146.6	149.6	152.8	156.5	157.2	157.5	158.0	157.8	156.6	153.8
71.5°	142.5	144.4	147.4	150.6	154.6	155.0	155.2	155.7	155.6	154.2	151.7
72°	140.4	142.2	145.2	148.4	152.1	152.8	153.0	153.3	153.3	152.0	149.1
72.5°	138.2	140.1	143.2	146.1	149.1	150.7	150.9	151.3	151.3	149.8	147.0
73°	136.0	137.8	140.9	144.0	147.3	148.5	148.6	149.1	149.0	147.6	145.0
73.5°	133.9	135.8	138.6	141.7	145.3	146.3	146.4	146.8	146.7	145.4	142.7
74°	131.7	133.6	136.5	139.7	143.2	144.1	144.2	144.7	144.5	143.1	140.5
74.5°	129.6	131.6	134.4	137.4	141.2	141.8	142.0	142.5	142.4	141.0	138.3
75°	127.6	129.3	132.3	135.3	138.9	139.8	139.9	140.3	140.1	138.7	136.1
75.5°	125.5	127.3	130.1	133.1	136.7	137.6	137.7	138.2	137.9	136.6	133.9
76°	123.5	125.2	128.0	131.1	134.6	135.4	135.6	135.9	135.8	134.5	131.6
76.5°	121.5	123.2	126.0	129.0	132.5	133.3	133.4	133.9	133.6	132.2	129.7
77°	119.5	121.2	123.9	126.9	130.6	131.2	131.3	131.7	131.6	130.1	127.5
77.5°	117.5	119.1	121.9	125.0	128.4	129.1	129.3	129.6	129.4	128.0	125.7
78°	115.4	117.1	119.9	122.8	126.2	127.0	127.2	127.4	127.3	125.9	123.4
78.5°	113.6	115.2	117.9	120.8	124.3	124.9	125.1	125.5	125.3	123.9	121.5
79°	111.7	113.2	116.1	118.9	122.2	122.9	123.1	123.3	123.2	121.7	119.3
79.5°	109.9	111.5	113.9	116.9	120.1	120.8	121.0	121.3	121.1	119.6	117.4
80°	107.9	109.6	112.0	114.9	118.1	118.9	118.9	119.4	119.1	117.7	115.4
80.5°	106.1	107.8	110.3	112.9	116.1	116.9	117.0	117.3	117.1	115.6	113.2
81°	104.3	105.9	108.5	111.2	114.1	115.0	115.1	115.4	115.2	113.6	111.2
81.5°	102.4	104.1	106.6	109.4	112.2	112.9	113.1	113.4	113.0	111.6	109.7
82°	100.7	102.2	104.7	107.3	110.4	111.0	111.1	111.3	111.1	109.9	107.6
82.5°	98.9	100.5	102.8	105.6	108.6	109.2	109.5	109.8	109.4	107.9	105.9
83°	97.1	98.7	101.0	103.6	106.6	107.4	107.5	107.7	107.4	106.1	103.9
83.5°	95.3	96.9	99.3	101.8	104.8	105.5	105.6	106.0	105.6	104.2	102.0
84°	93.6	95.3	97.4	100.0	102.9	103.7	103.7	104.0	103.7	102.2	100.1
84.5°	91.9	93.5	95.8	98.3	101.0	101.7	101.9	102.2	101.8	100.4	98.3
85°	90.2	91.8	94.0	96.5	99.2	99.9	100.0	100.3	99.9	98.5	96.3
85.5°	88.6	90.2	92.3	94.9	97.4	98.2	98.3	98.6	98.1	96.7	94.6
86°	87.0	88.5	90.6	93.1	95.7	96.3	96.4	96.8	96.3	94.9	92.8
86.5°	85.4	86.9	89.0	91.4	93.9	94.5	94.8	95.0	94.5	93.1	91.3
87°	83.8	85.3	87.3	89.8	92.1	92.9	92.9	93.2	92.8	91.3	89.4
87.5°	82.3	83.8	85.7	88.1	90.5	91.1	91.2	91.5	90.9	89.6	87.8
88°	80.8	82.2	84.2	86.4	88.9	89.4	89.5	89.7	89.3	87.8	86.0
88.5°	79.3	80.6	82.6	84.9	87.1	87.8	87.9	88.1	87.6	86.2	84.3
89°	77.7	79.2	81.1	83.2	85.5	86.0	86.2	86.4	86.0	84.6	82.8
89.5°	76.3	77.7	79.6	81.8	83.9	84.6	84.6	84.8	84.4	82.9	81.2



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	74.9	76.1	78.2	80.1	82.4	82.8	82.9	83.1	82.7	81.4	79.5
90.5°	73.4	74.8	76.7	78.6	80.7	81.3	81.4	81.6	81.1	79.8	78.1
91°	72.0	73.3	75.2	77.2	79.1	79.8	80.0	80.1	79.5	78.4	76.4
91.5°	70.7	71.9	73.8	75.8	77.6	78.2	78.4	78.6	78.0	76.3	74.7
92°	69.4	70.6	72.4	74.4	76.1	76.6	76.8	77.0	76.4	75.1	73.6
92.5°	68.1	69.4	71.1	73.0	74.6	75.1	75.2	75.4	75.0	73.6	72.2
93°	66.9	68.1	69.8	71.5	73.2	73.6	73.9	74.0	73.5	72.2	70.6
93.5°	65.6	66.8	68.5	70.2	71.8	72.3	72.3	72.6	72.1	70.9	69.2
94°	64.3	65.6	67.2	69.0	70.3	70.8	70.9	71.2	70.6	69.4	68.2
94.5°	63.1	64.4	66.0	67.8	69.0	69.5	69.6	69.8	69.2	68.4	66.7
95°	61.9	63.2	64.7	66.4	67.7	68.4	68.5	68.4	68.0	66.9	65.3
95.5°	60.7	62.0	63.7	65.1	66.3	66.9	67.0	67.0	66.8	65.5	64.1
96°	59.5	60.7	62.4	64.0	65.0	65.5	65.7	65.8	65.4	64.2	63.0
96.5°	58.5	59.7	61.1	62.6	63.9	64.4	64.4	64.4	64.0	63.1	61.7
97°	57.4	58.5	60.1	61.4	62.9	63.1	63.2	63.2	63.1	61.8	60.2
97.5°	56.2	57.5	58.9	60.2	61.6	61.8	61.9	61.8	61.6	60.4	59.1
98°	55.2	56.4	57.8	59.1	60.2	60.6	60.6	60.7	60.4	59.2	57.9
98.5°	54.2	55.4	56.7	57.9	59.2	59.3	59.5	59.5	59.1	58.0	56.6
99°	53.2	54.3	55.6	56.9	57.9	58.2	58.3	58.4	58.0	56.9	55.5
99.5°	52.2	53.3	54.5	55.8	56.6	57.1	57.3	57.2	56.8	56.1	54.5
100°	51.2	52.3	53.6	54.8	55.6	56.3	56.0	56.0	55.7	54.7	53.4
100.5°	50.3	51.3	52.6	53.7	54.5	54.9	54.8	55.2	54.6	53.7	52.5
101°	49.3	50.3	51.6	52.7	53.5	54.0	53.5	53.9	53.7	52.7	51.4
101.5°	48.5	49.5	50.6	51.7	52.5	52.7	52.8	52.8	52.6	51.8	50.4
102°	47.6	48.5	49.7	50.7	51.5	51.8	51.9	51.7	51.4	50.6	49.3
102.5°	46.6	47.6	48.7	49.9	50.3	50.8	50.6	51.1	50.4	49.7	48.6
103°	45.8	47.0	47.7	48.8	49.4	49.9	49.9	49.8	49.4	48.8	47.6
103.5°	45.0	46.1	47.0	48.1	48.7	48.9	48.9	49.2	48.6	47.6	46.6
104°	44.3	45.3	46.3	47.2	47.6	48.0	48.0	48.2	47.7	46.7	45.9
104.5°	43.5	44.5	45.5	46.3	46.7	47.6	47.5	47.3	47.3	45.8	44.9
105°	42.7	43.8	44.7	45.5	46.0	46.3	46.3	46.3	45.9	45.1	44.0
105.5°	42.1	43.2	43.9	44.7	45.1	45.4	45.4	45.2	45.0	44.2	43.2
106°	41.3	42.3	43.2	43.9	44.3	44.8	44.7	44.5	44.1	43.6	42.7
106.5°	40.6	41.7	42.6	43.4	43.5	43.9	43.9	43.7	43.5	42.7	41.9
107°	39.9	40.9	41.9	42.5	42.8	42.7	43.2	42.9	42.7	42.2	41.0
107.5°	39.4	40.3	41.1	41.9	42.2	42.5	42.4	42.3	42.1	41.2	40.2
108°	38.8	39.5	40.5	41.1	41.2	41.5	41.6	41.5	41.2	40.5	39.5
108.5°	38.2	39.0	39.8	40.4	40.6	40.9	40.9	41.0	40.5	40.0	38.9
109°	37.7	38.3	39.2	39.9	39.8	40.2	40.3	40.1	40.1	39.4	38.6
109.5°	37.0	37.8	38.6	39.2	39.1	39.6	39.7	39.6	39.3	38.5	37.6
110°	36.6	37.1	38.1	38.6	38.5	38.9	38.9	38.8	38.4	37.7	36.9
110.5°	36.1	36.6	37.4	38.0	37.9	38.2	38.5	38.2	37.7	37.1	36.3
111°	35.6	36.1	36.9	37.5	37.2	37.6	37.7	37.6	37.2	36.8	35.8
111.5°	35.0	35.6	36.4	36.9	36.7	37.2	37.1	37.1	36.8	36.0	35.1
112°	34.6	35.1	35.8	36.4	36.2	36.5	36.6	36.4	36.1	35.7	34.6



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	34.2	34.6	35.4	35.8	35.8	35.9	36.0	35.8	35.7	34.9	34.2
113°	33.7	34.1	34.9	35.4	35.0	35.8	35.7	35.3	35.0	34.4	33.5
113.5°	33.3	33.6	34.4	34.8	34.5	34.8	35.0	34.7	34.5	33.9	33.2
114°	32.9	33.2	34.0	34.5	34.1	34.6	34.5	34.4	34.0	33.4	32.6
114.5°	32.6	32.8	33.5	34.0	33.6	33.9	33.9	33.7	33.5	33.1	32.1
115°	32.1	32.4	33.2	33.5	33.2	33.3	33.5	33.3	33.2	32.5	32.1
115.5°	31.7	32.0	32.8	33.2	32.7	33.2	33.1	33.0	32.6	32.0	31.5
116°	31.3	31.6	32.4	32.8	32.3	32.5	32.6	32.3	32.2	31.9	30.7
116.5°	30.9	31.3	31.9	32.4	32.0	32.1	32.3	32.0	32.0	31.2	30.6
117°	30.5	30.9	31.6	32.0	31.7	32.1	32.0	31.9	31.4	30.8	30.0
117.5°	30.3	30.5	31.2	31.6	31.0	31.6	31.6	31.1	30.9	30.5	29.6
118°	30.0	30.2	30.8	31.3	30.6	30.9	31.0	30.7	30.5	30.1	29.3
118.5°	29.6	29.8	30.5	31.0	30.5	30.7	30.6	30.5	30.4	29.7	29.1
119°	29.3	29.5	30.2	30.6	29.9	30.6	30.4	30.0	29.8	29.4	28.5
119.5°	29.1	29.2	29.9	30.3	29.6	29.9	29.9	29.7	29.5	29.2	28.3
120°	28.8	28.9	29.5	29.9	29.2	29.5	29.6	29.3	29.2	28.9	28.0
120.5°	28.5	28.7	29.3	29.7	29.1	29.3	29.3	29.2	29.1	28.5	27.8
121°	28.3	28.4	29.0	29.3	28.7	29.2	29.1	28.7	28.5	28.2	27.4
121.5°	28.2	28.2	28.8	29.0	28.3	28.6	28.6	28.4	28.2	28.0	27.1
122°	28.2	28.2	28.6	28.9	28.1	28.4	28.4	28.2	28.1	28.1	27.1
122.5°	28.0	28.0	28.4	28.7	28.0	28.1	28.0	27.9	27.9	27.3	26.8
123°	27.9	27.8	28.3	28.5	27.7	28.0	28.0	27.8	27.3	27.1	26.8
123.5°	27.8	27.6	28.2	28.2	27.4	27.8	27.6	27.4	27.1	27.1	26.3
124°	27.6	27.5	28.0	28.3	27.1	27.4	27.4	27.1	27.1	26.9	26.2
124.5°	27.5	27.3	27.9	28.2	27.1	27.1	27.1	27.1	26.9	26.9	26.0
125°	27.5	27.1	27.8	28.0	27.0	27.1	27.1	27.0	26.8	26.6	25.7
125.5°	27.3	27.0	27.6	27.9	26.9	27.1	27.0	26.8	26.7	26.3	25.7
126°	27.2	26.9	27.5	27.7	27.0	26.9	27.0	26.8	26.4	26.1	25.5
126.5°	27.1	26.9	27.4	27.7	26.8	26.9	26.9	26.4	26.2	26.0	25.5
127°	27.0	26.6	27.2	27.5	26.8	26.7	26.7	26.4	26.2	26.0	25.6
127.5°	26.9	26.6	27.1	27.5	26.8	26.8	26.7	26.4	26.2	26.0	25.4
128°	26.9	26.6	27.0	27.4	26.8	26.8	26.6	26.3	26.1	26.0	25.4
128.5°	26.9	26.6	27.0	27.2	26.8	26.7	26.6	26.3	26.1	26.0	25.4
129°	26.8	26.5	27.0	27.2	26.8	26.7	26.6	26.3	26.1	26.0	25.4
129.5°	26.8	26.5	27.0	27.1	26.8	26.7	26.6	26.3	26.1	26.0	25.4
130°	26.8	26.5	26.8	27.1	26.8	26.7	26.6	26.3	26.1	26.0	25.4
130.5°	26.8	26.5	26.8	27.1	26.8	26.7	26.6	26.3	26.1	26.0	25.4
131°	26.8	26.5	26.8	27.1	26.8	26.7	26.6	26.3	26.1	26.0	25.4
131.5°	26.7	26.5	26.8	27.1	26.8	26.7	26.6	26.3	26.1	26.0	25.4
132°	26.7	26.5	26.8	27.1	26.8	26.7	26.6	26.4	26.1	26.0	25.4
132.5°	26.7	26.5	26.8	27.1	26.8	26.8	26.6	26.4	26.1	26.0	25.4
133°	26.7	26.5	26.8	27.1	26.8	26.8	26.6	26.4	26.1	26.0	25.4
133.5°	26.7	26.5	26.8	27.1	26.8	26.8	26.6	26.5	26.1	26.0	25.6
134°	26.7	26.6	26.8	27.1	26.9	26.9	26.7	26.5	26.1	26.0	25.6
134.5°	26.7	26.6	26.8	27.1	26.9	26.9	26.7	26.5	26.3	26.2	25.6



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	26.7	26.8	26.8	27.1	27.0	27.0	26.8	26.6	26.2	26.3	25.7
135.5°	26.8	26.8	26.8	27.1	27.1	27.0	26.8	26.6	26.4	26.2	25.7
136°	26.7	26.9	26.9	27.1	27.2	27.1	27.0	26.7	26.4	26.3	25.8
136.5°	26.7	26.9	26.9	27.1	27.2	27.1	27.1	26.7	26.5	26.5	25.9
137°	26.9	27.0	27.0	27.1	27.4	27.3	27.3	26.8	26.5	26.5	26.1
137.5°	26.9	27.0	27.0	27.1	27.4	27.4	27.3	27.0	26.7	26.6	26.2
138°	26.9	27.1	27.0	27.1	27.5	27.5	27.5	27.1	26.8	26.8	26.2
138.5°	26.9	27.2	27.1	27.3	27.7	27.6	27.5	27.2	26.9	26.9	26.5
139°	27.1	27.4	27.1	27.4	27.9	27.8	27.6	27.2	27.1	27.0	26.6
139.5°	27.0	27.5	27.3	27.6	28.0	27.8	27.9	27.5	27.2	27.0	26.7
140°	27.3	27.9	27.5	27.9	28.1	28.0	28.0	27.6	27.3	27.2	26.9
140.5°	27.4	27.9	27.9	28.1	28.2	28.1	28.0	27.7	27.5	27.4	27.1
141°	28.0	27.9	28.0	28.1	28.2	28.1	28.1	28.0	27.7	27.4	27.1
141.5°	28.1	28.2	28.1	28.1	28.4	28.3	28.1	28.0	27.8	27.7	27.1
142°	28.1	28.3	28.1	28.2	28.4	28.3	28.2	28.2	28.0	27.8	27.4
142.5°	28.2	28.5	28.1	28.4	28.7	28.4	28.3	28.3	28.1	27.9	27.5
143°	28.5	29.0	28.1	28.4	28.9	28.6	28.4	28.4	28.2	28.1	27.5
143.5°	28.6	29.2	28.3	28.7	29.0	28.8	28.6	28.5	28.3	28.1	27.7
144°	29.1	29.3	28.4	28.9	29.2	28.9	28.8	28.7	28.5	28.2	27.8
144.5°	29.2	29.4	28.7	29.3	29.3	29.1	28.9	28.8	28.7	28.4	28.0
145°	29.2	29.7	29.0	29.3	29.6	29.3	29.1	29.0	28.8	28.6	28.1
145.5°	29.5	29.9	29.3	29.4	29.8	29.5	29.2	29.1	29.1	28.7	28.2
146°	29.6	30.2	29.3	29.5	29.9	29.7	29.4	29.3	29.2	28.8	28.3
146.5°	29.8	30.6	29.4	29.7	30.2	29.8	29.6	29.5	29.4	29.0	28.4
147°	29.9	30.6	29.6	29.8	30.2	30.2	29.8	29.7	29.5	29.1	28.5
147.5°	30.4	30.5	29.7	29.8	30.4	30.2	29.9	29.9	29.5	29.2	28.6
148°	30.5	30.7	29.7	30.0	30.6	30.5	30.1	29.9	29.7	29.2	28.7
148.5°	30.8	30.6	29.7	30.3	30.7	30.6	30.1	29.9	29.9	29.4	28.6
149°	30.8	30.8	29.9	30.3	30.9	30.7	30.1	29.9	29.9	29.4	28.6
149.5°	30.8	30.8	30.1	30.6	30.9	30.7	30.1	29.9	29.9	29.5	28.6
150°	30.9	30.9	30.3	30.6	30.9	30.7	30.1	29.9	29.9	29.5	28.6
150.5°	30.9	31.2	30.6	30.7	30.9	30.7	30.1	29.9	29.9	29.4	28.6
151°	31.0	31.3	30.6	30.7	30.9	30.7	30.1	29.9	29.9	29.4	28.6
151.5°	31.0	31.4	30.7	30.7	30.9	30.7	30.0	29.9	29.9	29.3	28.6
152°	31.0	31.4	30.8	30.7	31.0	30.8	30.0	30.0	30.0	29.3	28.6
152.5°	31.0	31.4	30.8	30.8	31.0	30.7	30.0	30.0	29.9	29.3	28.6
153°	31.0	31.4	30.7	30.8	30.8	30.7	30.0	29.8	29.7	29.3	28.7
153.5°	31.0	31.4	30.8	30.9	30.8	30.6	30.0	29.7	29.6	29.3	28.7
154°	31.0	31.4	30.8	30.8	30.6	30.4	29.9	29.7	29.6	29.3	28.5
154.5°	31.0	31.3	30.6	30.7	30.4	30.2	29.8	29.6	29.4	29.2	28.5
155°	31.0	31.3	30.6	30.6	30.2	30.0	29.7	29.4	29.4	29.2	28.4
155.5°	31.1	31.0	30.4	30.4	29.8	29.9	29.7	29.5	29.4	29.1	28.4
156°	31.1	30.9	30.2	30.4	29.7	29.7	29.5	29.3	29.3	28.7	28.2
156.5°	31.0	30.8	30.2	30.2	29.5	29.5	29.3	29.3	29.3	28.6	28.2
157°	30.8	30.7	30.0	30.1	29.4	29.4	29.3	29.4	29.3	28.5	28.0



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	30.7	30.6	29.9	30.1	29.4	29.4	29.3	29.3	29.3	28.4	28.0
158°	30.7	30.4	29.7	29.9	29.3	29.5	29.3	29.2	29.0	28.3	28.0
158.5°	30.6	30.2	29.7	29.7	29.3	29.3	29.2	29.1	28.7	28.2	27.9
159°	30.4	30.2	29.6	29.6	29.1	29.2	28.8	28.9	28.6	28.1	27.7
159.5°	30.3	29.9	29.4	29.3	28.7	28.9	28.6	28.6	28.5	28.2	27.3
160°	30.3	29.9	29.3	29.2	28.7	28.7	28.4	28.6	28.4	28.0	27.2
160.5°	30.1	29.7	29.2	29.1	28.4	28.5	28.4	28.5	28.3	27.6	27.1
161°	29.9	29.6	29.1	28.9	28.2	28.3	28.3	28.4	28.1	27.4	27.1
161.5°	29.7	29.5	28.9	28.8	28.1	28.1	28.0	28.2	28.1	27.3	27.0
162°	29.5	29.4	28.7	28.5	28.2	28.0	28.0	28.1	28.1	27.3	26.9
162.5°	29.3	29.1	28.6	28.4	27.9	28.0	28.0	28.2	27.8	27.0	26.8
163°	29.1	28.9	28.4	28.4	27.5	27.7	27.9	28.2	27.4	27.1	26.9
163.5°	28.7	28.7	28.4	28.2	27.2	27.4	27.8	28.0	27.2	26.9	26.8
164°	28.5	28.4	28.3	28.2	27.1	27.1	27.5	27.7	27.0	26.9	26.6
164.5°	28.3	28.2	28.2	28.1	27.1	27.1	27.4	27.4	26.9	26.8	26.3
165°	28.2	28.2	28.1	28.1	27.0	27.1	27.1	27.1	26.9	26.4	26.2
165.5°	28.1	28.0	28.0	27.9	26.9	26.9	27.1	27.1	26.9	26.2	26.2
166°	27.9	27.8	27.9	27.8	26.8	26.9	27.1	27.1	26.8	26.1	26.1
166.5°	27.7	27.8	27.8	27.6	26.9	26.9	27.0	27.0	26.2	25.9	25.9
167°	27.5	27.6	27.5	27.4	26.8	26.7	26.8	27.0	26.1	25.8	25.8
167.5°	27.3	27.4	27.3	27.2	26.3	26.3	26.6	27.0	25.9	25.6	25.6
168°	27.0	27.2	27.1	27.0	26.2	26.2	26.2	26.8	25.6	25.5	25.5
168.5°	26.9	27.0	26.9	26.7	26.1	26.0	25.9	26.5	25.3	25.5	25.4
169°	26.7	26.8	26.7	26.5	25.9	25.9	25.7	25.9	25.4	25.5	25.4
169.5°	26.5	26.6	26.6	26.3	25.7	25.7	25.4	25.5	24.8	25.1	25.0
170°	26.3	26.4	26.3	26.2	25.6	25.5	25.4	25.3	24.6	24.7	24.7
170.5°	26.1	26.1	26.1	25.9	25.5	25.5	25.3	24.7	24.3	24.5	24.5
171°	25.9	26.0	25.9	25.8	25.6	25.5	24.8	24.4	24.2	24.3	24.4
171.5°	25.6	25.8	25.7	25.5	25.3	25.2	24.7	24.0	24.0	24.2	24.1
172°	25.3	25.5	25.4	25.3	24.8	24.8	24.4	23.6	23.9	24.0	24.0
172.5°	25.0	25.1	25.0	24.9	24.4	24.5	24.0	23.1	23.3	23.7	23.8
173°	24.6	24.6	24.6	24.4	24.0	24.1	23.5	23.0	22.9	23.1	23.3
173.5°	24.1	24.3	24.1	24.1	23.7	23.9	23.1	23.0	22.7	23.1	23.3
174°	24.1	24.3	24.1	24.1	23.6	23.9	23.2	23.0	22.8	23.1	23.4
174.5°	25.6	26.2	26.1	25.7	24.3	24.0	23.4	23.2	23.0	23.4	23.8
175°	27.0	27.4	27.3	27.2	26.1	25.4	25.0	25.1	24.8	25.2	25.5
175.5°	27.5	28.1	28.1	28.0	27.8	27.4	27.0	27.1	27.0	27.0	27.6
176°	28.0	28.5	28.5	28.1	28.4	28.2	28.0	28.1	28.0	28.0	28.3
176.5°	28.4	29.1	29.0	28.5	28.9	28.8	28.5	28.6	28.5	28.4	28.9
177°	29.2	29.2	29.3	29.3	29.4	29.3	29.1	29.2	29.1	29.0	29.4
177.5°	29.4	29.5	29.7	29.4	29.9	29.8	29.7	29.8	29.8	29.7	30.0
178°	29.6	29.6	29.9	29.7	29.9	30.0	30.0	29.8	30.2	30.2	30.3
178.5°	29.8	29.9	29.9	29.8	29.9	30.0	29.9	29.8	30.2	30.3	30.3
179°	29.9	30.0	29.9	30.0	29.9	29.9	30.0	29.8	30.1	30.3	30.2
179.5°	30.2	30.1	30.0	30.4	29.9	29.9	30.0	29.8	30.1	30.3	30.3



TEST NUMBER: P601035  
CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	376.8	376.8	376.8	376.8	376.8	376.8
0.5°	376.9	376.8	376.8	376.8	376.8	376.7
1°	376.6	376.8	376.8	376.8	376.9	376.6
1.5°	376.6	376.8	376.9	376.8	376.9	376.6
2°	376.4	376.8	376.8	376.8	376.8	376.4
2.5°	376.4	376.8	376.6	376.6	376.4	376.2
3°	376.2	376.6	376.4	376.4	376.3	375.9
3.5°	376.2	376.4	376.0	376.1	376.0	375.7
4°	376.0	376.2	375.9	375.7	375.6	375.4
4.5°	375.8	376.0	375.6	375.4	375.3	375.1
5°	375.3	375.6	375.3	375.1	375.1	374.7
5.5°	375.1	375.2	375.0	374.7	374.6	374.0
6°	374.7	374.9	374.7	374.3	374.2	373.8
6.5°	374.5	374.5	374.0	373.9	373.7	373.6
7°	374.1	374.1	373.8	373.4	373.3	373.0
7.5°	373.6	373.6	373.3	373.0	372.8	372.2
8°	373.3	373.1	372.8	372.4	372.3	372.0
8.5°	372.7	372.7	372.2	371.9	371.7	371.4
9°	372.3	372.2	371.7	371.2	371.2	371.1
9.5°	371.7	371.6	371.0	370.7	370.6	370.5
10°	371.2	371.0	370.4	370.0	369.9	369.7
10.5°	370.7	370.4	369.9	369.4	369.3	369.1
11°	370.1	369.7	369.1	368.8	368.5	368.4
11.5°	369.5	369.0	368.4	368.0	368.0	367.6
12°	368.8	368.3	367.6	367.3	367.1	366.9
12.5°	368.2	367.6	366.9	366.4	366.3	366.1
13°	367.4	366.9	366.2	365.7	365.5	365.6
13.5°	366.8	366.0	365.3	364.9	364.6	364.5
14°	366.0	365.3	364.5	364.0	363.9	363.7
14.5°	365.2	364.6	363.6	363.0	363.1	363.0
15°	364.4	363.6	362.8	362.2	362.1	362.3
15.5°	363.5	362.6	362.0	361.5	361.4	361.2
16°	362.7	361.9	360.9	360.6	360.5	360.3
16.5°	361.7	361.0	360.2	359.5	359.5	359.4
17°	361.0	360.1	359.2	358.5	358.4	358.2
17.5°	360.2	358.9	358.2	357.4	357.4	357.1
18°	359.2	358.0	357.0	356.4	356.4	356.2
18.5°	358.2	356.9	356.1	355.4	355.2	355.0
19°	357.1	355.7	354.8	354.3	354.1	353.9
19.5°	356.2	354.6	353.8	353.1	352.9	352.8
20°	355.1	353.6	352.6	352.0	351.8	351.9
20.5°	354.0	352.3	351.4	350.8	350.5	350.6
21°	352.6	351.1	350.2	349.6	349.4	349.4
21.5°	351.5	349.9	348.9	348.2	348.0	348.2
22°	350.3	348.6	347.7	347.0	346.8	346.8



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	349.0	347.4	346.3	345.7	345.5	345.4
23°	347.8	346.2	345.1	344.4	344.1	344.1
23.5°	346.5	344.9	343.7	343.0	342.8	342.8
24°	345.1	343.5	342.3	341.6	341.3	341.5
24.5°	343.8	342.1	340.9	340.3	340.0	340.1
25°	342.5	340.7	339.4	338.8	338.5	338.6
25.5°	341.2	339.3	338.0	337.3	337.0	337.1
26°	339.8	337.8	336.6	335.9	335.6	335.6
26.5°	338.4	336.4	335.2	334.3	334.1	334.2
27°	336.9	334.8	333.5	332.8	332.5	332.5
27.5°	335.2	333.3	332.0	331.2	330.9	331.2
28°	333.9	331.7	330.5	329.6	329.5	329.6
28.5°	332.2	330.2	328.8	327.9	327.7	327.9
29°	330.7	328.6	327.3	326.4	325.8	326.1
29.5°	329.2	326.8	325.1	324.8	324.3	324.7
30°	327.5	325.2	323.9	323.1	322.6	322.8
30.5°	325.8	323.5	321.9	321.6	321.0	321.2
31°	324.2	321.8	320.6	319.8	319.4	319.7
31.5°	322.6	320.2	318.8	317.9	317.9	317.9
32°	320.8	318.5	317.2	316.3	316.1	316.3
32.5°	319.4	316.8	315.4	314.4	314.3	314.4
33°	317.6	315.0	313.5	312.8	312.2	312.6
33.5°	315.7	313.1	311.7	310.8	310.5	310.7
34°	313.9	311.3	309.8	308.9	308.6	308.8
34.5°	312.2	309.4	307.9	307.0	306.7	307.0
35°	310.2	307.7	306.0	305.1	304.9	305.1
35.5°	308.5	305.6	304.2	303.2	302.9	303.2
36°	306.6	303.8	302.3	301.1	301.0	301.3
36.5°	304.6	301.7	300.2	299.2	299.1	299.2
37°	302.8	299.9	298.3	297.3	297.2	297.3
37.5°	300.7	297.8	296.3	295.4	295.1	295.2
38°	299.0	295.8	294.3	293.4	293.1	293.3
38.5°	296.7	293.8	292.3	291.3	291.0	291.2
39°	294.9	291.8	290.2	289.2	289.0	289.3
39.5°	292.8	289.7	288.3	287.2	286.9	287.3
40°	290.8	287.6	286.1	285.1	284.9	285.2
40.5°	288.6	285.5	284.0	283.1	282.9	283.0
41°	286.7	283.4	282.0	281.0	280.7	281.0
41.5°	284.6	281.4	279.8	278.8	278.5	278.9
42°	282.4	279.3	277.9	276.8	276.6	276.9
42.5°	280.4	277.3	275.8	274.7	274.3	274.8
43°	278.2	275.2	273.5	272.6	272.5	272.6
43.5°	276.4	273.0	271.4	270.4	270.2	270.5
44°	274.2	270.8	269.1	268.1	268.0	268.3
44.5°	272.1	268.6	267.0	266.1	265.8	266.0





TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	270.0	266.4	264.8	263.9	263.5	263.9
45.5°	267.7	264.3	262.6	261.6	261.4	261.9
46°	265.7	262.2	260.5	259.3	259.2	259.6
46.5°	263.5	259.8	258.3	257.3	256.9	257.3
47°	261.3	257.5	255.9	255.1	254.7	255.0
47.5°	259.0	255.3	253.7	252.8	252.5	252.9
48°	256.8	253.1	251.5	250.6	250.2	250.7
48.5°	254.5	250.9	249.2	248.3	248.0	248.4
49°	252.5	248.6	246.9	246.0	245.6	246.1
49.5°	250.2	246.3	244.6	243.6	243.4	243.8
50°	247.9	244.0	242.4	241.4	241.1	241.6
50.5°	245.7	241.7	240.2	239.1	238.9	239.2
51°	243.3	239.5	237.9	236.9	236.5	237.0
51.5°	241.1	237.2	235.8	234.7	234.4	234.8
52°	238.9	235.2	233.4	232.5	232.1	232.6
52.5°	236.4	232.8	231.2	230.1	229.8	230.3
53°	234.3	230.5	228.9	227.8	227.5	228.1
53.5°	232.1	228.2	226.5	225.5	225.3	225.7
54°	229.9	225.9	224.3	223.2	222.9	223.3
54.5°	227.5	223.6	221.9	221.0	220.6	220.9
55°	225.1	221.3	219.5	218.7	218.2	218.8
55.5°	222.8	218.9	217.2	216.3	215.9	216.3
56°	220.5	216.7	215.1	214.0	213.5	214.0
56.5°	218.3	214.3	212.6	211.5	211.1	211.7
57°	215.8	211.8	210.2	209.2	208.9	209.4
57.5°	213.3	209.5	207.7	206.7	206.5	206.9
58°	211.0	207.2	205.5	204.5	204.0	204.7
58.5°	208.8	204.9	203.2	202.2	201.7	202.3
59°	206.3	202.4	200.8	199.8	199.5	199.9
59.5°	204.0	200.1	198.5	197.3	197.1	197.6
60°	201.6	197.8	196.1	195.2	194.9	195.3
60.5°	199.2	195.4	193.9	192.9	192.5	193.1
61°	197.0	193.3	191.6	190.5	190.2	190.8
61.5°	194.6	190.9	189.3	188.1	187.8	188.5
62°	192.5	188.6	186.8	185.8	185.4	186.1
62.5°	190.2	186.3	184.4	183.4	183.0	183.7
63°	187.7	183.9	182.0	181.0	180.8	181.4
63.5°	185.4	181.6	179.7	178.7	178.4	179.0
64°	183.1	179.2	177.3	176.3	176.0	176.6
64.5°	180.6	176.8	175.0	173.9	173.7	174.3
65°	178.4	174.5	172.6	171.6	171.4	171.9
65.5°	175.9	172.1	170.3	169.3	169.0	169.7
66°	173.6	169.7	168.0	167.0	166.6	167.3
66.5°	171.2	167.4	165.6	164.6	164.4	165.0
67°	168.9	165.1	163.4	162.3	162.1	162.7



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	166.8	162.9	161.0	160.0	159.7	160.3
68°	164.3	160.5	158.7	157.7	157.5	158.0
68.5°	162.1	158.2	156.4	155.4	155.2	155.9
69°	159.8	155.9	154.2	153.2	153.0	153.5
69.5°	157.5	153.7	152.0	151.0	150.8	151.4
70°	155.2	151.6	149.7	148.7	148.5	149.2
70.5°	153.0	149.4	147.5	146.5	146.3	147.0
71°	150.9	147.1	145.3	144.3	144.1	144.8
71.5°	148.6	144.9	143.1	142.0	141.9	142.5
72°	146.4	142.7	140.9	139.8	139.7	140.4
72.5°	144.1	140.5	138.8	137.7	137.6	138.2
73°	141.9	138.3	136.5	135.6	135.4	136.0
73.5°	139.7	136.2	134.5	133.4	133.4	133.9
74°	137.6	134.2	132.3	131.3	131.2	131.7
74.5°	135.5	132.1	130.3	129.2	129.1	129.6
75°	133.2	129.8	128.1	127.1	127.0	127.6
75.5°	131.2	127.9	126.2	125.1	124.9	125.5
76°	129.0	125.8	124.1	122.9	122.8	123.5
76.5°	127.0	123.7	121.9	120.9	120.7	121.5
77°	124.8	121.7	120.0	118.9	118.7	119.5
77.5°	122.9	119.7	117.9	116.9	116.8	117.5
78°	120.8	117.7	116.0	114.9	114.8	115.4
78.5°	118.7	115.6	113.9	113.0	112.9	113.6
79°	116.7	113.7	112.0	111.3	111.2	111.7
79.5°	114.8	111.9	110.3	109.4	109.3	109.9
80°	112.7	110.1	108.5	107.4	107.3	107.9
80.5°	111.0	108.2	106.6	105.6	105.6	106.1
81°	109.2	106.3	104.7	103.7	103.6	104.3
81.5°	107.4	104.5	102.9	101.8	101.9	102.4
82°	105.3	102.6	101.0	100.1	100.0	100.7
82.5°	103.4	100.8	99.3	98.3	98.2	98.9
83°	101.7	99.0	97.5	96.5	96.5	97.1
83.5°	99.9	97.2	95.6	94.7	94.7	95.3
84°	98.0	95.5	93.9	93.1	93.0	93.6
84.5°	96.2	93.8	92.2	91.4	91.3	91.9
85°	94.5	92.2	90.6	89.8	89.7	90.2
85.5°	92.8	90.5	88.9	87.9	88.0	88.6
86°	91.1	88.8	87.3	86.3	86.3	87.0
86.5°	89.4	87.2	85.6	84.7	84.7	85.4
87°	87.6	85.5	84.0	83.2	83.2	83.8
87.5°	85.9	84.0	82.5	81.6	81.6	82.3
88°	84.5	82.5	80.9	80.1	80.1	80.8
88.5°	82.7	81.0	79.4	78.6	78.6	79.3
89°	81.1	79.4	77.8	77.1	77.1	77.7
89.5°	79.6	77.8	76.3	75.6	75.6	76.3



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	78.0	76.3	74.9	74.2	74.2	74.9
90.5°	76.4	74.8	73.5	72.7	72.7	73.4
91°	75.0	73.5	72.1	71.3	71.3	72.0
91.5°	73.6	72.0	70.7	70.0	70.0	70.7
92°	72.0	70.7	69.5	68.8	68.9	69.4
92.5°	70.6	69.5	68.2	67.4	67.6	68.1
93°	69.2	68.1	66.8	66.0	66.2	66.9
93.5°	68.2	66.8	65.5	64.8	64.9	65.6
94°	66.6	65.6	64.3	63.6	63.8	64.3
94.5°	65.1	64.3	63.2	62.5	62.4	63.1
95°	64.0	63.1	61.9	61.2	61.2	61.9
95.5°	63.0	61.9	60.7	60.0	60.0	60.7
96°	61.6	60.7	59.5	58.8	58.8	59.5
96.5°	60.3	59.5	58.4	57.7	57.7	58.5
97°	59.1	58.3	57.4	56.6	56.6	57.4
97.5°	57.9	57.2	56.3	55.5	55.5	56.2
98°	56.8	56.2	55.2	54.4	54.5	55.2
98.5°	55.7	55.1	54.1	53.3	53.4	54.2
99°	54.5	54.0	53.1	52.4	52.4	53.2
99.5°	53.4	53.0	52.2	51.4	51.4	52.2
100°	52.4	52.0	51.1	50.4	50.5	51.2
100.5°	51.3	51.0	50.1	49.5	49.5	50.3
101°	50.6	50.1	49.2	48.5	48.6	49.3
101.5°	49.1	49.1	48.3	47.7	47.7	48.5
102°	48.7	48.3	47.4	46.9	46.8	47.6
102.5°	47.6	47.2	46.5	45.8	46.0	46.6
103°	46.7	46.3	45.7	45.2	45.2	45.8
103.5°	45.6	45.5	45.0	44.5	44.2	45.0
104°	44.9	44.7	44.0	43.7	43.7	44.3
104.5°	43.8	43.9	43.0	43.0	43.0	43.5
105°	43.2	43.1	42.6	42.2	42.3	42.7
105.5°	42.5	42.4	42.0	41.6	41.6	42.1
106°	41.9	41.6	41.2	40.9	40.9	41.3
106.5°	40.9	40.8	40.6	40.3	40.2	40.6
107°	40.4	40.2	39.9	39.6	39.5	39.9
107.5°	39.6	39.6	39.2	39.0	39.0	39.4
108°	39.0	38.9	38.6	38.4	38.4	38.8
108.5°	38.2	38.2	38.0	37.9	37.7	38.2
109°	37.5	37.7	37.4	37.3	37.3	37.7
109.5°	36.9	37.0	36.8	36.8	36.7	37.0
110°	36.2	36.5	36.3	36.2	36.1	36.6
110.5°	35.7	35.9	35.8	35.7	35.6	36.1
111°	35.0	35.4	35.3	35.2	35.1	35.6
111.5°	34.5	34.8	34.7	34.7	34.6	35.0
112°	34.0	34.3	34.3	34.3	34.2	34.6



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	33.4	33.8	33.8	33.9	33.7	34.2
113°	33.1	33.3	33.4	33.4	33.3	33.7
113.5°	32.4	32.9	33.0	33.1	32.9	33.3
114°	32.1	32.5	32.6	32.7	32.5	32.9
114.5°	31.9	32.1	32.2	32.3	32.1	32.6
115°	31.2	31.7	31.7	31.9	31.7	32.1
115.5°	30.7	31.5	31.5	31.5	31.4	31.7
116°	30.5	31.0	31.0	31.2	31.0	31.3
116.5°	29.9	30.6	30.7	30.8	30.6	30.9
117°	29.5	30.3	30.4	30.4	30.1	30.5
117.5°	29.3	29.9	30.1	30.2	29.8	30.3
118°	28.9	29.6	29.7	29.8	29.5	30.0
118.5°	28.5	29.3	29.4	29.5	29.2	29.6
119°	28.2	29.0	29.1	29.2	28.8	29.3
119.5°	28.0	28.8	28.9	28.9	28.6	29.1
120°	27.9	28.4	28.6	28.7	28.2	28.8
120.5°	27.3	28.3	28.4	28.3	28.2	28.5
121°	27.1	28.1	28.3	28.3	28.0	28.3
121.5°	27.1	27.9	28.0	28.0	27.8	28.2
122°	26.9	27.7	27.9	27.8	27.6	28.2
122.5°	26.9	27.6	27.7	27.6	27.3	28.0
123°	26.5	27.4	27.5	27.5	27.1	27.9
123.5°	26.2	27.2	27.4	27.3	27.1	27.8
124°	26.0	27.1	27.2	27.1	26.9	27.6
124.5°	25.9	27.0	27.1	26.8	26.9	27.5
125°	25.8	26.8	27.0	26.7	26.6	27.5
125.5°	25.8	26.7	26.9	26.6	26.5	27.3
126°	25.8	26.7	26.8	26.5	26.5	27.2
126.5°	25.8	26.4	26.7	26.3	26.4	27.1
127°	25.8	26.4	26.6	26.3	26.2	27.0
127.5°	25.8	26.3	26.6	26.2	26.3	26.9
128°	25.8	26.3	26.5	26.1	26.2	26.9
128.5°	25.8	26.2	26.4	26.2	26.1	26.9
129°	25.8	26.2	26.4	26.1	26.1	26.8
129.5°	25.8	26.2	26.4	26.1	26.1	26.8
130°	25.8	26.2	26.4	26.1	26.1	26.8
130.5°	25.8	26.2	26.4	26.0	26.1	26.8
131°	25.8	26.2	26.3	26.0	26.1	26.8
131.5°	25.8	26.2	26.3	26.0	26.1	26.7
132°	25.8	26.2	26.3	26.0	26.1	26.7
132.5°	25.8	26.2	26.3	26.0	26.1	26.7
133°	25.9	26.2	26.3	26.0	26.1	26.7
133.5°	26.0	26.2	26.3	26.0	26.1	26.7
134°	26.1	26.2	26.3	26.0	26.1	26.7
134.5°	26.2	26.2	26.3	26.0	26.1	26.7



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	26.2	26.2	26.3	26.0	26.1	26.7
135.5°	26.3	26.2	26.3	26.0	26.1	26.8
136°	26.3	26.2	26.3	26.1	26.1	26.7
136.5°	26.5	26.2	26.3	26.1	26.1	26.7
137°	26.6	26.3	26.4	26.2	26.1	26.9
137.5°	26.6	26.6	26.4	26.3	26.2	26.9
138°	26.8	27.0	26.4	26.3	26.2	26.9
138.5°	27.0	26.9	26.8	26.7	26.6	26.9
139°	27.1	27.0	26.8	26.9	26.9	27.1
139.5°	27.2	27.0	27.0	26.9	26.9	27.0
140°	27.2	27.1	27.0	27.0	26.9	27.3
140.5°	27.2	27.1	27.1	27.1	27.0	27.4
141°	27.2	27.3	27.1	27.1	27.1	28.0
141.5°	27.4	27.5	27.3	27.1	27.2	28.1
142°	27.5	28.0	27.5	27.3	27.5	28.1
142.5°	27.5	28.1	27.9	27.5	27.9	28.2
143°	27.7	28.1	28.0	28.0	28.1	28.5
143.5°	27.8	28.3	28.0	28.1	28.1	28.6
144°	28.0	28.4	28.2	28.0	28.3	29.1
144.5°	28.2	28.6	28.4	28.1	28.4	29.2
145°	28.2	29.2	28.5	28.4	28.7	29.2
145.5°	28.4	29.3	28.6	28.5	28.9	29.5
146°	28.6	29.3	28.9	28.7	29.3	29.6
146.5°	28.8	29.5	29.3	29.1	29.3	29.8
147°	29.0	29.6	29.3	29.3	29.3	29.9
147.5°	29.3	29.7	29.3	29.3	29.5	30.4
148°	29.4	29.8	29.4	29.4	29.7	30.5
148.5°	29.4	29.9	29.5	29.4	29.9	30.8
149°	29.5	30.1	29.6	29.6	29.9	30.8
149.5°	29.4	30.4	29.8	29.7	30.2	30.8
150°	29.4	30.8	29.9	29.9	30.5	30.9
150.5°	29.4	30.7	29.9	30.0	30.7	30.9
151°	29.4	30.8	30.3	30.2	30.7	31.0
151.5°	29.4	30.7	30.4	30.2	30.7	31.0
152°	29.5	30.9	30.4	30.2	30.7	31.0
152.5°	29.5	30.9	30.4	30.2	30.8	31.0
153°	29.3	30.9	30.4	30.2	30.7	31.0
153.5°	29.3	30.7	30.4	30.2	30.7	31.0
154°	29.2	30.6	30.5	30.2	30.7	31.0
154.5°	28.9	30.5	30.5	30.2	30.7	31.0
155°	28.7	30.3	30.3	30.2	30.7	31.0
155.5°	28.6	30.2	30.2	30.2	30.7	31.1
156°	28.4	30.0	30.2	30.2	30.6	31.1
156.5°	28.4	29.8	30.1	30.2	30.4	31.0
157°	28.2	29.8	30.0	30.1	30.3	30.8



TEST NUMBER: P601035  
 CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	28.1	29.6	30.0	30.1	30.3	30.7
158°	28.0	29.5	29.8	29.9	30.2	30.7
158.5°	28.0	29.4	29.7	29.8	30.1	30.6
159°	27.8	29.3	29.7	29.7	30.0	30.4
159.5°	27.6	29.2	29.5	29.7	30.0	30.3
160°	27.4	29.0	29.3	29.5	29.7	30.3
160.5°	27.2	29.0	29.3	29.3	29.7	30.1
161°	27.1	28.8	29.2	29.3	29.7	29.9
161.5°	27.1	28.6	29.0	29.2	29.5	29.7
162°	27.0	28.5	28.9	29.0	29.3	29.5
162.5°	27.0	28.2	28.8	28.9	29.3	29.3
163°	27.0	28.1	28.5	28.9	29.2	29.1
163.5°	26.8	28.0	28.4	28.7	29.1	28.7
164°	26.7	27.9	28.2	28.5	28.9	28.5
164.5°	26.5	27.6	28.3	28.4	28.8	28.3
165°	26.3	27.6	28.1	28.4	28.8	28.2
165.5°	26.2	27.4	28.0	28.2	28.5	28.1
166°	26.1	27.3	27.8	28.3	28.3	27.9
166.5°	26.0	27.1	27.6	28.2	28.2	27.7
167°	25.8	26.9	27.4	28.0	28.0	27.5
167.5°	25.7	26.7	27.1	27.8	27.6	27.3
168°	25.4	26.4	26.8	27.6	27.4	27.0
168.5°	25.5	26.3	26.6	27.2	27.0	26.9
169°	25.5	26.2	26.4	26.8	26.6	26.7
169.5°	25.1	25.9	26.2	26.3	26.3	26.5
170°	24.8	25.8	26.0	25.8	26.2	26.3
170.5°	24.6	25.4	25.7	25.4	25.9	26.1
171°	24.3	25.3	25.4	25.0	25.7	25.9
171.5°	24.2	25.0	24.9	24.5	25.3	25.6
172°	24.1	24.5	24.5	24.0	24.9	25.3
172.5°	24.0	24.1	23.9	23.5	24.3	25.0
173°	23.4	23.6	23.2	23.1	23.7	24.6
173.5°	23.3	23.2	22.9	22.7	23.2	24.1
174°	23.4	23.2	22.9	22.7	23.1	24.1
174.5°	23.6	25.2	24.8	24.6	24.9	25.6
175°	25.4	26.6	26.2	26.2	26.3	27.0
175.5°	27.6	27.0	27.0	27.0	27.0	27.5
176°	28.5	27.8	27.6	27.6	27.7	28.0
176.5°	29.2	28.3	28.2	28.2	28.2	28.4
177°	29.6	28.9	28.9	28.8	29.0	29.2
177.5°	30.0	29.2	29.3	29.3	29.3	29.4
178°	30.0	29.3	29.3	29.5	29.6	29.6
178.5°	30.0	29.6	29.6	29.7	29.8	29.8
179°	30.0	29.7	29.7	29.7	30.0	29.9
179.5°	30.0	30.0	29.8	29.8	30.1	30.2



TEST NUMBER: P601035  
CATALOG NUMBER: FM159S1EWHR\_3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	30.5	30.5	30.5	30.5	30.5	30.5

(END OF REPORT)