

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: METALUX

Report Number: P601030

Luminaire Tested: FM159S1EWHR\_5000K

Issue Date: 3/13/2023

**Test Information**

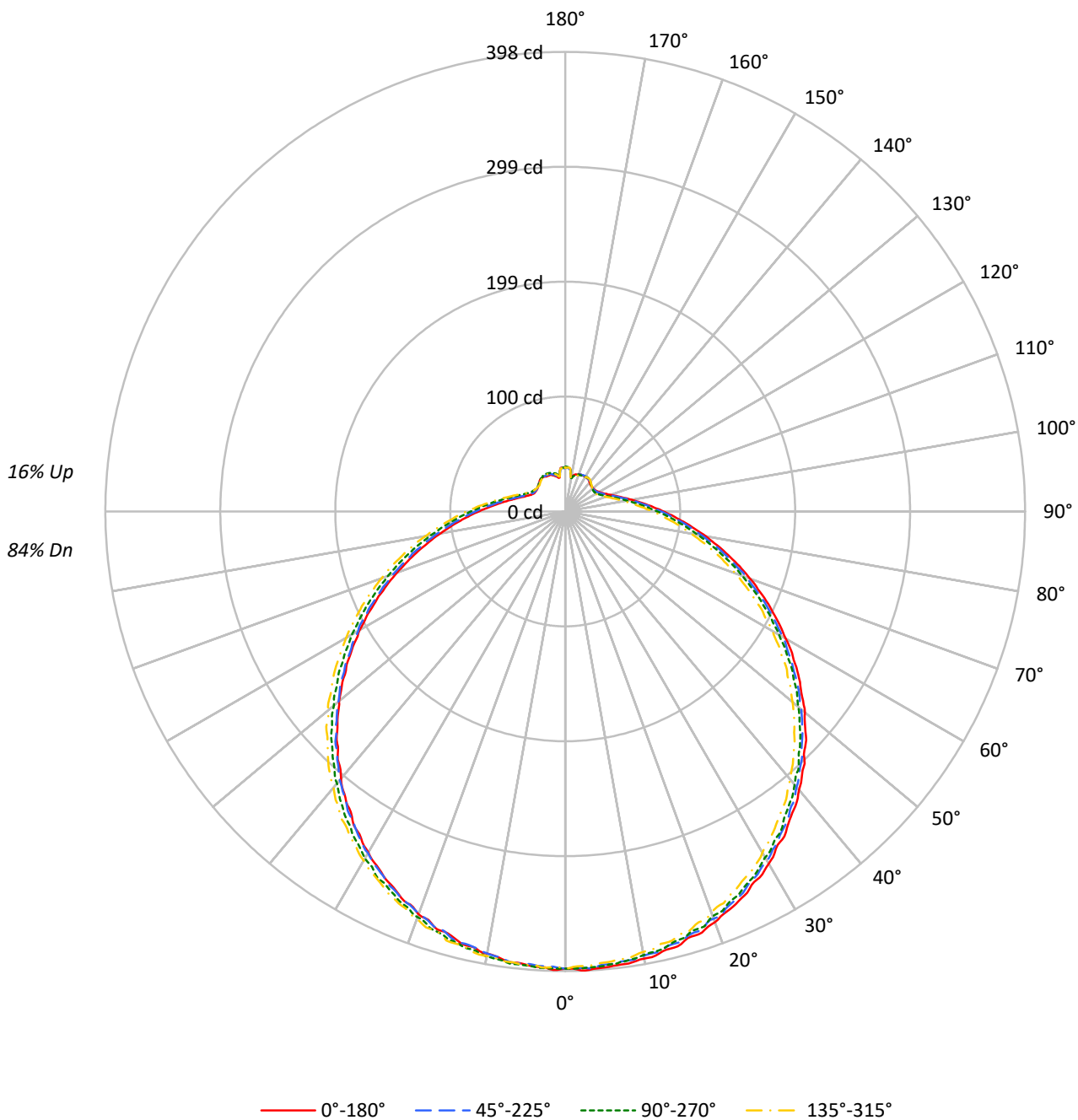
Test Method: LM-79-2019  
Report Number: P601030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2117574B001)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: FM159S1EWHR\_5000K  
Description: FM159S1EWHR at 5000K  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1653.2 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.43  
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

TEST NUMBER: P601030  
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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	102	102	102	95	95	95	87	87	87	84
1	103	97	92	87	98	93	88	84	86	82	79	79	76	73	73	71	68	65
2	92	83	76	69	88	80	73	67	74	68	63	68	63	59	63	59	56	52
3	84	72	64	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	52	46	41	48	43	39	36
5	70	57	47	40	67	54	46	39	51	43	37	47	41	36	43	38	34	31
6	64	51	41	35	61	49	40	34	45	38	32	42	36	31	39	34	29	27
7	60	46	37	30	57	44	36	30	41	34	29	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°	3473	3473	3473	3473
5°	3390	3378	3368	3375
10°	3307	3280	3269	3289
15°	3231	3196	3169	3201
20°	3148	3103	3088	3110
25°	3071	3028	2984	3019
30°	2987	2935	2892	2942
35°	2900	2850	2792	2843
40°	2811	2758	2694	2745
45°	2717	2668	2598	2651
50°	2637	2566	2489	2547
55°	2544	2480	2386	2461
60°	2446	2372	2278	2365
65°	2359	2269	2167	2266
70°	2271	2176	2067	2176
75°	2195	2089	1975	2100
80°	2145	2023	1907	2049
85°	2137	2014	1889	2051

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 337.5°  
 Vertical Angle: 45°  
 Luminance: 2727 cd/sqm



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	2.3
10°-20°	108.3	6.6
20°-30°	166.5	10.1
30°-40°	205.4	12.4
40°-50°	220.7	13.4
50°-60°	212.9	12.9
60°-70°	186.0	11.2
70°-80°	147.2	8.9
80°-90°	106.6	6.4
90°-100°	73.1	4.4
100°-110°	49.7	3.0
110°-120°	35.5	2.1
120°-130°	28.3	1.7
130°-140°	24.9	1.5
140°-150°	21.9	1.3
150°-160°	16.1	1.0
160°-170°	9.2	0.6
170°-180°	3.3	0.2
0°-30°	312.4	18.9
0°-40°	517.8	31.3
0°-60°	951.4	57.5
0°-90°	1391.1	84.1
90°-120°	158.3	9.6
90°-150°	233.4	14.1
90°-180°	262.0	15.8
0°-180°	1653.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	396	396	396	396	396	
5°	396	395	394	395	396	38
15°	388	384	380	384	388	109
25°	367	362	357	361	367	169
35°	335	329	322	328	335	210
45°	293	287	280	286	293	227
55°	246	240	231	238	246	220
65°	196	188	180	188	196	194
75°	146	139	131	140	146	155
85°	103	97	91	99	103	88
90°	85	80	75	82	85	47
95°	70	65	62	68	70	55
105°	49	46	44	48	49	52
115°	37	34	34	37	37	37
125°	32	30	31	32	32	29
135°	31	32	33	32	31	25
145°	34	35	35	35	34	21
155°	35	34	34	36	35	16
165°	33	32	32	34	33	9
175°	38	38	38	38	38	3
180°	38	38	38	38	38	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9
0.5°	395.9	395.8	395.9	395.7	395.9	395.6	395.6	395.8	396.4	396.4	395.6
1°	396.1	395.8	395.8	395.7	395.9	395.0	394.5	395.8	397.1	396.3	395.1
1.5°	396.8	395.9	395.8	395.7	395.9	394.6	394.0	395.8	397.1	396.1	394.3
2°	397.7	396.1	395.6	395.7	395.9	394.6	394.0	395.8	396.4	395.8	394.3
2.5°	397.9	396.1	395.6	395.7	395.7	394.6	394.0	395.7	395.3	395.6	394.3
3°	397.5	396.2	396.2	395.4	395.4	394.6	394.0	395.0	395.1	395.1	394.3
3.5°	396.9	396.2	397.0	395.3	395.4	394.3	393.6	394.3	395.1	394.2	394.2
4°	396.7	395.9	395.1	395.2	395.3	393.7	392.9	394.3	395.0	394.1	393.5
4.5°	396.4	395.9	394.1	395.0	395.1	393.3	392.3	394.3	394.5	394.1	393.2
5°	396.4	395.9	393.9	394.7	394.9	392.8	392.0	394.2	393.8	394.2	393.3
5.5°	396.2	395.9	393.9	394.1	394.1	392.6	391.9	393.5	393.3	393.9	393.5
6°	395.6	395.8	393.9	393.6	394.1	392.6	391.7	393.2	393.0	392.9	393.5
6.5°	395.5	395.1	393.9	393.6	394.0	392.6	390.8	393.2	393.2	392.1	393.5
7°	395.3	394.4	392.9	393.7	393.2	392.5	390.7	392.5	393.3	391.3	393.1
7.5°	395.3	394.2	392.6	393.5	393.0	391.6	390.8	391.5	392.6	391.1	392.0
8°	395.3	394.1	392.6	393.0	392.4	391.1	390.7	391.0	391.5	391.0	390.8
8.5°	394.8	394.2	392.6	392.6	392.1	391.2	390.0	390.6	390.4	390.9	390.1
9°	394.1	394.2	392.6	392.3	391.6	391.2	388.9	390.0	389.6	389.6	389.9
9.5°	393.4	393.0	391.8	391.6	390.9	391.0	387.9	389.1	389.1	388.5	389.3
10°	393.3	392.2	390.7	390.4	390.1	390.2	387.4	389.1	388.8	388.6	388.7
10.5°	393.2	392.2	390.3	389.3	389.4	388.8	387.0	389.1	388.8	389.3	387.9
11°	393.2	392.3	390.1	389.1	389.2	387.7	386.9	388.8	387.9	388.7	387.3
11.5°	392.4	392.2	390.1	388.7	389.1	386.5	386.4	387.3	386.4	387.7	386.0
12°	391.3	390.4	390.0	388.3	388.6	385.9	384.9	385.6	385.5	385.9	385.2
12.5°	390.2	389.0	389.1	387.6	388.2	385.3	383.5	384.4	385.5	384.6	384.6
13°	389.4	388.5	387.2	386.4	387.2	384.9	383.5	384.4	385.3	383.7	384.3
13.5°	389.4	388.4	386.4	385.9	386.0	384.8	383.4	384.4	384.9	383.6	384.3
14°	389.4	388.5	386.1	385.5	384.7	384.1	382.8	384.3	383.4	383.6	384.1
14.5°	389.1	388.1	386.1	384.6	383.9	382.8	381.5	382.9	381.8	382.8	383.3
15°	387.8	387.1	385.9	383.7	383.7	381.6	379.7	380.8	380.4	381.3	382.0
15.5°	386.0	386.1	384.8	383.3	383.4	380.9	379.0	379.4	379.4	379.6	380.2
16°	384.5	384.8	382.9	382.8	382.0	380.8	379.0	379.4	378.7	378.2	378.3
16.5°	384.0	383.6	381.8	382.3	380.3	380.0	378.7	379.5	378.7	377.7	377.5
17°	384.0	382.7	381.3	381.3	379.4	378.9	377.0	378.6	378.5	376.8	377.5
17.5°	384.0	382.0	381.3	379.4	379.3	377.7	375.0	376.5	377.1	375.6	377.0
18°	383.5	381.9	381.3	377.8	379.2	376.1	374.1	374.1	374.9	374.5	375.4
18.5°	381.6	381.6	379.7	377.4	379.0	374.7	374.0	373.1	373.1	373.2	373.8
19°	380.2	380.2	377.0	377.2	376.9	374.0	373.5	373.0	372.5	372.4	372.6
19.5°	379.3	378.1	375.6	376.4	374.6	373.3	371.9	372.5	372.3	371.4	371.5
20°	378.5	376.5	375.3	374.3	373.1	372.7	369.8	371.4	371.3	370.0	370.6
20.5°	377.4	375.8	375.3	372.2	372.5	371.5	368.2	369.6	369.2	368.7	369.2
21°	375.7	375.3	375.0	371.6	372.3	370.4	366.9	367.6	367.1	367.4	367.7
21.5°	374.5	374.6	373.5	371.3	371.5	369.0	366.2	366.6	366.0	366.3	366.4
22°	373.7	373.7	370.9	370.7	369.7	367.3	366.0	365.8	365.7	365.6	365.7



TEST NUMBER: P601030  
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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°	372.7	371.9	369.7	369.2	367.8	366.1	364.2	364.5	364.9	364.2	364.7
23°	371.7	369.9	368.7	367.1	366.4	365.1	362.1	363.0	363.4	362.2	363.6
23.5°	370.7	368.6	367.7	365.2	365.7	363.5	360.8	361.2	361.5	360.7	362.0
24°	369.2	367.6	366.6	363.9	364.9	361.6	360.1	359.6	359.7	359.3	360.4
24.5°	367.9	366.6	365.5	362.9	363.7	360.1	358.6	358.7	358.1	357.9	359.0
25°	367.1	365.6	364.4	361.8	361.9	359.0	356.8	357.6	356.7	356.5	358.3
25.5°	365.9	364.6	362.5	360.5	360.3	358.2	355.0	356.4	355.5	355.2	356.7
26°	363.8	362.5	360.2	359.0	358.8	356.7	353.7	355.2	354.2	354.3	354.8
26.5°	361.6	360.3	358.7	357.4	357.6	355.3	352.5	353.4	352.6	352.6	352.9
27°	360.2	359.2	357.6	356.3	356.5	353.8	351.3	351.9	350.7	350.7	351.3
27.5°	359.6	358.3	356.7	355.2	354.9	351.9	350.2	350.1	348.9	348.9	349.8
28°	358.8	357.0	355.5	353.3	353.3	350.0	348.7	348.2	347.3	347.6	348.3
28.5°	357.6	355.1	353.3	351.3	351.5	348.6	347.0	346.2	346.1	346.1	346.9
29°	355.7	353.3	351.6	349.4	349.6	347.4	345.3	344.5	344.7	344.2	345.4
29.5°	353.9	352.1	350.4	348.4	347.6	345.9	343.6	343.1	342.9	342.1	343.3
30°	352.2	351.5	349.4	347.7	346.0	344.5	341.4	341.8	340.9	340.7	341.6
30.5°	350.8	350.5	347.8	346.3	345.2	342.3	339.3	340.1	339.3	339.6	340.5
31°	349.2	348.2	345.8	344.5	343.9	340.3	337.6	337.7	338.0	337.7	338.6
31.5°	346.9	345.8	343.7	342.2	342.0	338.9	336.3	336.0	335.9	335.5	336.3
32°	344.3	344.2	342.3	340.1	339.7	337.3	334.6	334.6	333.5	333.2	334.7
32.5°	342.4	342.9	341.2	338.2	337.5	335.5	332.6	332.5	331.5	331.2	333.1
33°	341.4	341.0	339.1	336.3	336.2	333.2	330.6	330.3	330.1	329.8	331.0
33.5°	340.6	338.8	336.5	334.6	335.2	331.0	328.8	328.4	329.0	328.7	328.8
34°	339.4	336.7	334.8	333.2	333.8	329.0	326.7	327.2	327.3	326.6	326.7
34.5°	337.1	335.1	333.2	331.8	331.7	327.9	324.8	326.1	325.0	324.0	324.8
35°	334.6	333.5	331.8	329.8	328.8	326.6	323.0	324.3	322.1	321.3	323.3
35.5°	332.4	331.9	330.3	327.4	326.2	324.7	321.0	321.4	319.7	319.5	321.9
36°	330.4	330.4	328.4	325.0	324.4	322.5	318.9	318.8	317.9	319.0	320.3
36.5°	328.6	328.4	325.9	323.5	322.8	320.0	317.6	316.8	316.7	318.2	317.7
37°	326.8	326.0	323.5	322.1	320.6	317.6	315.9	315.6	314.9	316.0	314.9
37.5°	325.2	324.2	321.6	319.8	318.8	315.8	314.0	313.7	312.5	313.2	312.8
38°	323.7	321.9	320.4	317.1	317.2	315.3	311.7	310.9	310.4	310.4	311.2
38.5°	321.9	319.8	318.9	315.0	315.7	313.5	309.0	308.6	308.7	308.1	309.4
39°	319.7	317.8	316.2	313.5	313.5	310.6	306.7	306.8	306.8	306.4	307.3
39.5°	317.1	316.3	313.6	312.4	311.2	307.7	304.9	305.0	304.5	304.4	305.4
40°	314.8	314.8	311.5	310.7	308.8	305.5	303.0	302.8	301.7	301.7	303.4
40.5°	313.1	312.4	309.9	307.9	306.5	303.5	300.7	300.1	299.0	299.0	301.2
41°	311.3	309.6	307.9	304.9	304.1	301.4	298.4	297.7	296.5	296.8	298.8
41.5°	308.9	307.2	305.4	302.6	302.4	299.4	296.2	295.9	294.5	294.9	296.0
42°	306.4	305.1	303.0	301.2	301.4	297.6	294.3	294.0	292.9	293.3	294.0
42.5°	304.2	303.4	301.0	299.8	299.2	295.5	291.9	291.7	291.3	291.4	292.0
43°	302.7	301.5	299.1	297.8	296.5	292.8	289.5	289.5	288.6	289.1	289.4
43.5°	301.0	299.5	297.2	294.6	293.6	290.3	287.3	286.9	285.6	286.4	286.9
44°	298.0	296.9	295.0	291.2	291.1	288.0	285.2	284.5	283.2	283.3	284.9
44.5°	294.7	294.3	292.2	289.1	289.2	286.1	283.0	282.4	281.7	280.6	283.3



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	292.7	291.8	289.3	287.5	287.4	283.9	280.8	279.9	279.8	278.5	281.3
45.5°	291.1	289.3	287.1	285.4	285.1	281.7	278.0	277.4	277.3	277.2	278.2
46°	289.4	287.5	285.1	282.6	282.8	279.4	275.6	275.1	274.3	275.3	275.4
46.5°	287.6	285.5	283.0	279.9	280.6	277.1	273.6	272.7	271.7	272.3	273.4
47°	284.8	283.1	280.8	278.0	277.9	274.4	271.3	270.4	269.5	269.0	271.2
47.5°	282.1	280.1	278.3	276.5	275.3	271.7	268.7	268.2	267.3	266.7	268.4
48°	279.5	277.4	275.9	274.3	273.0	269.6	266.5	265.7	264.9	265.4	266.1
48.5°	276.9	275.3	273.8	271.5	270.7	267.5	264.2	263.3	262.2	263.5	263.8
49°	274.6	273.7	271.4	268.6	268.4	265.0	261.8	260.8	259.6	260.9	261.4
49.5°	272.6	272.0	268.9	266.0	266.0	262.7	259.4	258.0	257.3	257.8	258.8
50°	270.7	269.7	266.4	263.8	263.4	260.7	256.9	255.5	255.5	254.8	256.3
50.5°	268.5	266.6	263.9	261.7	260.8	258.2	254.2	253.7	253.0	252.5	253.7
51°	265.6	263.2	261.3	259.9	258.8	255.6	251.7	251.8	250.2	250.5	251.4
51.5°	263.2	260.7	259.3	257.5	256.7	252.9	249.6	249.4	247.6	248.3	249.4
52°	260.3	259.0	257.1	254.1	254.5	250.4	247.4	246.7	245.4	245.8	247.3
52.5°	257.5	257.3	254.9	251.2	252.0	247.9	244.9	243.9	243.0	243.1	245.1
53°	255.2	254.9	252.4	248.8	249.1	245.3	242.1	241.6	240.3	240.1	242.3
53.5°	253.1	251.6	250.0	246.7	246.2	243.7	239.4	239.3	237.3	237.5	239.3
54°	251.1	249.1	247.1	244.7	244.0	241.4	237.5	236.8	234.7	235.6	236.6
54.5°	248.7	246.6	244.4	242.4	242.0	238.5	235.8	234.4	232.8	233.5	234.5
55°	246.2	244.5	241.7	240.0	240.0	235.7	233.3	232.1	230.9	230.8	232.6
55.5°	243.6	241.8	239.3	237.2	237.5	233.3	230.2	229.3	228.2	228.0	230.0
56°	241.3	239.0	237.2	234.5	234.6	230.9	227.1	226.3	225.3	225.3	227.1
56.5°	238.4	236.6	235.0	232.1	231.8	228.4	224.4	223.4	222.5	222.8	224.2
57°	235.6	234.3	232.4	229.8	229.1	225.7	222.5	221.2	220.2	220.3	221.4
57.5°	233.5	231.9	229.5	227.3	226.8	222.9	220.3	219.0	217.8	217.8	219.3
58°	231.5	229.2	226.9	224.7	224.6	220.3	217.5	216.4	215.1	215.2	217.5
58.5°	229.1	226.3	224.6	222.1	221.9	218.0	214.5	213.7	212.1	212.7	215.1
59°	226.2	223.7	222.6	219.1	219.0	215.5	211.7	210.9	209.5	210.2	212.0
59.5°	223.5	221.4	220.5	216.4	216.1	212.8	209.4	208.6	207.8	208.2	209.1
60°	220.6	219.1	217.6	214.2	213.9	210.4	207.6	206.1	205.5	205.8	206.9
60.5°	217.7	216.6	214.6	212.0	211.5	208.0	205.0	203.2	202.5	203.3	205.2
61°	215.4	213.8	211.8	209.4	208.7	205.3	202.0	200.5	199.8	200.3	203.2
61.5°	213.1	211.2	209.4	207.1	205.8	202.6	199.0	198.1	197.3	197.3	200.4
62°	210.7	209.2	207.0	204.6	203.2	200.0	196.3	196.0	195.0	194.9	197.2
62.5°	208.2	207.0	204.4	202.2	201.3	197.5	194.1	193.6	192.6	193.0	194.2
63°	205.4	204.5	201.8	199.2	199.2	195.0	192.2	190.8	189.9	191.0	192.0
63.5°	202.7	201.5	199.2	196.4	196.3	192.6	189.8	188.1	187.1	188.3	190.3
64°	200.2	198.5	196.8	194.2	193.3	190.0	187.0	185.5	184.4	185.2	187.7
64.5°	197.9	196.0	194.5	192.0	190.5	187.3	183.9	183.0	181.9	182.3	184.8
65°	195.6	193.6	192.0	189.6	188.1	184.7	181.3	180.2	179.7	180.0	182.1
65.5°	193.0	191.4	189.6	186.7	186.0	182.2	178.9	177.7	177.5	177.9	179.6
66°	190.5	188.9	186.8	184.0	183.7	179.8	176.5	175.2	174.6	175.5	177.3
66.5°	187.9	186.2	184.1	181.6	181.0	177.3	174.1	172.8	171.9	172.8	174.7
67°	185.3	183.7	181.6	179.2	178.3	174.6	171.6	170.5	169.7	170.3	172.6





TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	182.5	181.3	179.0	176.5	175.5	172.1	169.0	167.8	167.3	167.9	170.3
68°	180.0	178.9	176.5	173.7	172.9	170.2	166.3	165.3	165.0	165.6	167.4
68.5°	177.8	176.7	173.8	171.6	170.6	167.7	164.0	162.9	162.4	163.2	164.9
69°	175.5	174.0	171.5	169.5	168.0	165.0	161.9	160.5	159.8	160.9	162.9
69.5°	173.1	171.3	169.0	166.9	165.6	162.3	159.7	158.0	157.4	158.3	160.8
70°	170.3	168.5	167.0	164.1	163.2	159.7	157.0	155.4	155.0	155.8	158.3
70.5°	167.7	166.1	165.0	161.5	160.8	157.3	154.2	153.1	152.5	153.5	155.6
71°	165.4	163.8	162.5	159.2	158.3	155.1	151.5	150.9	149.8	151.2	153.1
71.5°	163.0	161.6	159.6	157.1	156.0	152.4	149.0	148.4	147.4	149.0	150.7
72°	160.5	159.1	156.8	154.8	153.4	149.5	146.9	145.9	145.2	146.7	148.4
72.5°	158.3	156.6	154.5	152.3	151.1	147.2	144.5	143.6	143.0	144.1	146.0
73°	155.6	153.9	152.4	149.8	148.8	145.3	142.3	141.2	140.6	141.3	143.6
73.5°	153.4	151.4	150.2	147.3	146.2	143.2	140.1	138.7	138.1	139.0	141.1
74°	150.8	149.3	147.7	144.9	143.6	140.7	137.7	136.2	135.9	137.0	139.1
74.5°	148.3	146.9	145.2	142.3	141.2	138.2	135.3	134.0	133.6	134.9	137.4
75°	146.0	144.7	142.7	140.1	139.0	135.7	133.0	131.8	131.4	132.6	135.2
75.5°	143.7	142.3	140.4	138.0	136.8	133.4	130.6	129.7	129.2	130.1	132.7
76°	141.4	140.1	138.2	135.8	134.6	130.9	128.3	127.5	126.8	127.9	130.0
76.5°	139.2	138.1	136.1	133.8	132.1	128.7	126.1	125.1	124.5	125.9	127.7
77°	136.7	135.7	133.9	131.3	129.8	126.8	123.8	122.9	122.3	124.0	125.8
77.5°	134.4	133.1	131.3	128.7	127.4	124.7	121.4	120.8	120.2	121.9	123.8
78°	132.0	130.8	128.8	126.3	125.3	122.3	119.3	118.5	118.1	119.4	121.6
78.5°	129.8	128.8	126.6	124.3	123.1	119.8	117.3	116.3	116.2	117.0	119.4
79°	127.7	126.8	124.6	122.5	120.9	117.6	115.1	113.9	114.2	114.7	117.2
79.5°	125.7	124.6	122.5	120.5	118.7	115.7	112.9	111.8	111.9	112.9	115.2
80°	123.4	122.0	120.3	118.3	116.4	113.7	110.8	110.0	109.7	111.3	113.1
80.5°	121.5	119.8	118.0	116.2	114.5	111.8	108.9	108.2	107.8	109.2	111.1
81°	119.1	117.7	116.1	113.9	112.5	109.7	107.0	106.2	105.7	106.9	109.0
81.5°	116.9	115.7	113.9	111.8	110.3	107.6	104.8	104.0	103.7	104.9	107.1
82°	114.6	113.6	111.9	109.9	108.2	105.4	102.6	101.8	102.0	102.9	105.0
82.5°	112.5	111.5	109.8	107.9	106.5	103.4	100.8	99.8	100.1	101.0	102.9
83°	110.5	109.4	108.0	105.9	104.5	101.5	99.1	98.1	98.3	99.2	101.0
83.5°	108.7	107.5	106.1	103.9	102.5	99.7	97.5	96.7	96.4	97.6	99.4
84°	106.7	105.7	104.3	102.1	100.4	97.9	95.7	94.9	94.3	95.9	97.7
84.5°	104.7	103.6	102.3	100.2	98.5	96.2	93.7	93.0	92.7	93.9	96.1
85°	102.8	101.6	100.4	98.4	96.9	94.2	91.6	91.0	90.9	91.8	94.1
85.5°	100.7	99.6	98.6	96.5	95.1	92.5	90.0	89.2	89.2	90.2	92.2
86°	98.9	98.1	97.0	94.8	93.3	90.7	88.3	87.3	87.5	88.8	90.3
86.5°	97.1	96.3	95.2	93.3	91.4	89.0	86.7	85.7	85.6	87.4	88.8
87°	95.3	94.5	93.4	91.5	89.4	87.0	85.1	84.1	83.9	85.5	87.4
87.5°	93.7	92.7	91.4	89.8	87.8	85.4	83.4	82.7	82.6	83.6	85.8
88°	92.0	91.0	89.8	88.1	86.2	83.8	81.9	81.1	81.2	82.0	84.0
88.5°	90.1	89.2	88.1	86.4	84.6	82.2	80.2	79.4	79.5	80.5	82.3
89°	88.2	87.6	86.5	84.7	83.0	80.6	78.7	77.8	78.0	79.1	80.6
89.5°	86.6	85.9	84.8	83.1	81.3	78.9	77.0	76.4	76.3	77.6	79.0



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	85.1	84.4	83.2	81.5	79.8	77.3	75.6	74.9	74.8	75.9	77.7
90.5°	83.6	82.8	81.6	80.0	78.2	75.8	74.2	73.5	73.4	74.5	76.3
91°	82.0	81.1	80.1	78.6	76.6	74.5	72.7	72.1	72.1	73.2	74.9
91.5°	80.2	79.6	78.7	77.2	74.9	73.1	71.1	70.7	70.7	71.8	73.4
92°	78.7	78.0	77.3	75.7	73.5	71.8	69.7	69.1	69.2	70.5	72.0
92.5°	77.2	76.7	75.8	74.1	72.2	70.2	68.5	67.7	67.9	69.2	70.6
93°	76.0	75.2	74.1	72.6	71.0	68.9	67.2	66.4	66.5	67.8	69.3
93.5°	74.6	73.8	72.7	71.2	69.5	67.5	65.8	65.2	65.3	66.4	68.0
94°	73.1	72.4	71.6	70.0	68.1	66.2	64.7	64.0	64.2	65.1	66.7
94.5°	71.6	71.1	70.2	68.8	66.6	65.1	63.3	62.9	63.0	64.0	65.4
95°	70.2	69.8	68.7	67.5	65.4	63.6	62.2	61.7	61.8	62.8	64.1
95.5°	69.0	68.3	67.3	66.1	64.1	62.3	61.1	60.7	60.6	61.6	62.8
96°	67.7	66.9	66.1	64.7	63.0	61.4	60.2	59.5	59.6	60.6	61.7
96.5°	66.5	65.9	65.0	63.5	61.8	60.5	59.2	58.3	58.5	59.5	60.8
97°	65.0	64.7	63.9	62.4	60.7	59.3	57.7	57.2	57.3	58.4	59.9
97.5°	63.9	63.5	62.8	61.4	59.4	57.9	56.5	56.1	56.3	57.4	58.8
98°	62.8	62.4	61.6	60.2	58.3	56.8	55.6	55.1	55.5	56.3	57.3
98.5°	61.8	61.3	60.4	59.1	57.3	55.8	54.6	54.1	54.5	55.2	56.3
99°	60.6	60.1	59.2	58.2	56.3	54.7	53.6	53.1	53.4	54.2	55.7
99.5°	59.5	58.9	58.2	57.0	55.2	53.8	52.6	52.3	52.4	53.4	54.6
100°	58.4	57.9	57.2	56.0	54.1	52.8	51.5	51.3	51.4	52.4	53.6
100.5°	57.4	57.0	56.3	54.9	53.0	51.8	50.7	50.3	50.7	51.5	52.6
101°	56.3	55.8	55.2	53.9	52.4	50.8	49.9	49.5	50.0	50.6	51.6
101.5°	55.4	54.6	54.2	53.0	51.4	49.8	48.8	48.7	49.0	50.0	50.7
102°	54.5	53.7	53.2	52.1	50.4	48.9	48.0	47.9	48.0	49.0	50.0
102.5°	53.5	52.9	52.2	51.3	49.4	48.1	47.2	47.1	47.1	48.1	49.0
103°	52.2	52.1	51.2	50.4	48.4	47.2	46.5	46.3	46.9	47.2	48.3
103.5°	51.5	51.3	50.4	49.5	47.7	46.6	45.8	45.5	45.7	46.7	47.5
104°	50.6	50.0	49.6	48.6	46.9	45.7	45.1	44.8	45.1	45.8	46.7
104.5°	50.0	49.0	48.7	47.7	46.2	44.7	44.2	44.3	44.4	45.4	45.9
105°	49.2	48.4	47.8	47.1	45.5	44.2	43.3	43.3	43.7	44.5	45.4
105.5°	48.2	47.7	47.2	46.4	44.6	43.5	42.5	42.5	43.0	43.7	44.5
106°	47.5	47.0	46.3	45.5	43.8	42.8	42.1	42.2	42.3	43.1	43.9
106.5°	46.7	46.3	45.6	44.8	43.2	42.1	41.7	41.2	41.9	42.4	43.1
107°	46.0	45.5	45.0	44.1	42.4	41.4	40.8	40.9	41.1	42.2	42.6
107.5°	45.2	44.8	44.3	43.4	41.9	40.9	40.3	40.2	40.6	41.0	42.1
108°	44.5	44.1	43.6	42.9	41.0	40.1	39.6	39.7	39.9	40.7	41.2
108.5°	43.9	43.3	43.0	42.4	40.5	39.5	38.9	39.0	39.4	40.0	40.8
109°	43.3	42.8	42.3	41.7	39.9	38.9	38.2	38.4	38.8	39.4	40.0
109.5°	42.7	42.1	41.7	40.9	39.4	38.6	37.7	37.8	38.2	38.9	39.7
110°	42.0	41.5	41.0	40.3	38.6	37.8	37.4	37.5	37.7	38.5	39.0
110.5°	41.4	40.9	40.5	39.6	38.1	37.6	36.9	37.1	37.7	37.9	38.5
111°	40.8	40.4	39.9	39.2	37.7	36.8	36.3	36.5	36.8	37.7	37.9
111.5°	40.2	39.8	39.4	38.7	37.5	36.2	35.7	36.0	36.4	37.3	37.6
112°	39.7	39.2	38.8	38.2	36.6	35.9	35.4	35.3	35.9	36.4	37.5



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	39.3	38.9	38.3	37.8	36.3	35.3	35.0	35.2	35.4	36.2	36.7
113°	38.9	38.2	37.9	37.3	35.6	35.0	34.5	34.6	35.2	35.5	36.1
113.5°	38.3	37.8	37.4	36.7	35.2	34.4	34.0	34.3	34.6	35.2	36.1
114°	37.9	37.4	37.0	36.3	34.7	34.1	33.8	34.1	34.2	35.0	35.4
114.5°	37.4	37.0	36.6	36.0	34.3	33.9	33.3	33.4	34.2	34.6	35.4
115°	37.0	36.6	36.1	35.6	34.1	33.3	33.0	33.1	33.9	34.6	34.7
115.5°	36.6	36.1	35.7	35.2	33.7	32.8	32.7	33.1	33.2	34.0	34.3
116°	36.3	35.7	35.4	34.8	33.2	32.8	32.3	33.0	32.9	33.8	34.0
116.5°	35.8	35.3	35.1	34.4	32.9	32.7	31.8	32.3	32.9	33.1	34.0
117°	35.4	35.0	34.7	34.1	32.8	32.0	31.8	32.0	32.6	33.0	33.5
117.5°	35.1	34.8	34.3	33.9	32.2	31.8	31.7	31.7	32.3	32.8	33.1
118°	34.8	34.4	34.0	33.6	32.0	31.8	31.6	31.7	32.1	32.7	32.9
118.5°	34.6	34.1	33.6	33.3	31.7	31.5	31.0	31.4	31.8	32.2	32.8
119°	34.2	33.9	33.5	33.1	31.6	31.4	30.8	31.1	31.7	32.1	32.6
119.5°	34.1	33.6	33.3	32.9	31.2	30.7	30.5	30.9	31.5	31.9	32.2
120°	33.8	33.4	32.9	32.7	31.0	30.5	30.5	30.7	31.2	31.9	32.0
120.5°	33.5	33.1	32.7	32.4	30.8	30.5	30.5	30.7	31.2	31.9	31.9
121°	33.3	32.9	32.4	32.2	30.7	30.5	30.5	30.5	30.9	31.6	31.7
121.5°	33.1	32.7	32.3	32.0	30.6	30.5	30.3	30.5	30.9	31.3	31.7
122°	32.9	32.5	32.1	31.9	30.6	30.5	30.3	30.5	31.0	31.1	31.7
122.5°	32.7	32.4	32.0	31.6	30.5	30.3	30.3	30.5	30.9	31.1	31.6
123°	32.5	32.1	31.9	31.6	30.4	30.3	30.2	30.4	30.9	31.2	31.4
123.5°	32.2	31.9	31.7	31.5	30.4	30.3	30.2	30.4	30.9	31.1	31.3
124°	32.1	31.8	31.5	31.4	30.3	30.3	30.2	30.4	31.0	31.1	31.3
124.5°	31.9	31.7	31.3	31.2	30.3	30.3	30.2	30.4	30.8	31.1	31.2
125°	31.9	31.6	31.2	31.1	30.3	30.3	30.2	30.4	30.8	31.1	31.2
125.5°	31.8	31.5	31.2	31.1	30.3	30.3	30.2	30.4	30.9	31.2	31.2
126°	31.8	31.3	31.2	31.1	30.3	30.3	30.3	30.4	30.9	31.2	31.2
126.5°	31.8	31.4	31.2	31.0	30.3	30.3	30.3	30.4	30.9	31.2	31.2
127°	31.5	31.3	31.1	31.0	30.3	30.3	30.3	30.4	30.9	31.2	31.2
127.5°	31.5	31.3	31.0	31.0	30.4	30.4	30.3	30.5	31.0	31.2	31.2
128°	31.5	31.2	31.0	31.0	30.4	30.4	30.4	30.5	31.0	31.4	31.2
128.5°	31.5	31.2	31.0	31.0	30.5	30.5	30.4	30.6	31.0	31.4	31.3
129°	31.5	31.1	31.0	31.0	30.6	30.5	30.5	30.7	31.0	31.5	31.3
129.5°	31.5	31.1	31.0	31.0	30.7	30.5	30.7	30.7	31.2	31.5	31.5
130°	31.4	31.1	31.0	31.0	30.6	30.5	30.8	30.9	31.2	31.5	31.7
130.5°	31.4	31.1	31.0	31.0	30.7	30.7	30.8	30.9	31.4	31.5	31.8
131°	31.4	31.1	31.0	31.0	30.9	30.9	30.9	31.0	31.5	31.7	31.8
131.5°	31.4	31.1	31.0	31.0	30.9	31.0	31.0	31.0	31.5	31.8	31.8
132°	31.4	31.1	31.0	31.1	31.0	31.1	31.2	31.1	31.6	31.9	31.9
132.5°	31.4	31.1	31.0	31.1	31.1	31.2	31.3	31.4	31.8	32.0	32.0
133°	31.4	31.1	31.0	31.0	31.2	31.3	31.6	31.5	32.0	32.2	32.1
133.5°	31.4	31.1	31.0	31.2	31.4	31.4	31.6	31.7	32.2	32.3	32.1
134°	31.5	31.1	31.0	31.6	31.5	31.6	31.8	31.8	32.4	32.3	32.3
134.5°	31.4	31.1	31.4	31.8	31.7	31.9	31.9	32.0	32.5	32.5	32.4



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	31.4	31.1	31.6	31.7	31.9	32.0	32.1	32.2	32.7	32.6	32.5
135.5°	31.8	31.5	31.6	31.7	32.2	32.2	32.4	32.5	32.9	33.0	32.6
136°	31.8	31.6	31.8	31.9	32.3	32.4	32.7	32.6	33.0	33.2	32.8
136.5°	31.8	31.7	31.9	32.1	32.5	32.6	32.8	32.8	33.2	33.4	32.9
137°	31.9	31.9	32.3	32.6	32.5	32.8	32.8	33.0	33.4	33.4	32.8
137.5°	32.1	32.0	32.5	32.8	32.8	33.0	33.1	33.1	33.4	33.6	33.3
138°	32.3	32.2	32.8	32.9	33.0	33.1	33.2	33.5	33.6	33.7	33.5
138.5°	32.3	32.5	32.8	32.9	33.2	33.4	33.6	33.6	33.7	33.8	33.7
139°	32.8	32.9	32.9	33.0	33.5	33.6	33.6	33.8	34.1	34.0	33.8
139.5°	33.1	32.9	33.0	33.2	33.5	33.8	33.9	33.9	34.2	34.2	34.1
140°	33.0	33.0	33.2	33.4	33.8	33.9	34.1	34.1	34.4	34.5	34.3
140.5°	33.2	33.0	33.3	33.7	34.0	34.1	34.3	34.3	34.5	34.8	34.6
141°	33.2	33.2	33.5	34.0	34.2	34.1	34.4	34.5	34.7	35.0	34.7
141.5°	33.3	33.4	33.8	34.1	34.3	34.3	34.6	34.5	34.7	35.1	34.8
142°	33.5	33.5	34.0	34.1	34.5	34.6	34.7	34.7	35.0	35.2	35.1
142.5°	34.1	34.1	34.0	34.4	34.7	34.8	35.0	34.9	35.2	35.3	35.3
143°	34.1	34.1	34.1	34.7	34.8	34.9	35.2	34.9	35.2	35.5	35.5
143.5°	34.2	34.1	34.3	35.1	34.8	34.9	35.2	35.1	35.2	35.6	35.6
144°	34.2	34.1	34.4	35.1	34.9	35.0	35.1	35.1	35.3	35.6	35.7
144.5°	34.2	34.2	34.5	35.1	35.1	35.3	35.1	35.3	35.3	35.5	35.6
145°	34.2	34.2	34.6	35.1	35.1	35.4	35.1	35.3	35.3	35.5	35.6
145.5°	34.2	34.2	34.6	35.1	35.2	35.4	35.1	35.2	35.3	35.5	35.6
146°	34.4	34.4	34.8	35.1	35.3	35.4	35.1	35.3	35.3	35.5	35.6
146.5°	34.8	34.5	35.1	35.1	35.3	35.2	35.1	35.3	35.3	35.5	35.6
147°	34.8	34.6	35.2	35.1	35.1	35.2	35.1	35.2	35.4	35.5	35.7
147.5°	34.7	34.7	35.1	35.1	35.0	35.2	35.1	34.9	35.4	35.5	35.7
148°	34.7	34.7	35.1	35.2	34.5	35.1	35.1	34.7	35.2	35.5	35.6
148.5°	34.7	34.7	35.3	35.2	34.5	34.6	35.1	34.6	35.2	35.6	35.6
149°	34.7	34.7	35.3	35.2	34.6	34.6	34.7	34.4	35.2	35.6	35.6
149.5°	34.7	34.8	35.2	35.2	34.5	34.4	34.5	34.4	35.2	35.3	35.5
150°	34.7	34.8	35.2	35.2	34.5	34.3	34.3	34.3	35.2	35.3	35.3
150.5°	34.7	34.8	35.3	35.2	34.5	34.3	34.1	34.2	34.6	35.3	35.3
151°	34.7	34.8	35.3	35.2	34.5	34.3	34.1	34.2	34.4	35.3	35.3
151.5°	34.7	34.8	35.1	35.2	34.3	34.1	34.1	34.2	34.4	35.3	35.3
152°	34.7	34.7	35.1	35.2	34.3	34.1	34.1	34.2	34.4	35.2	35.2
152.5°	34.7	34.7	35.0	35.2	34.1	34.0	34.1	34.2	34.4	35.2	35.2
153°	34.7	34.5	35.0	35.1	34.2	34.0	34.1	34.2	34.3	35.2	35.2
153.5°	34.7	34.5	35.0	35.1	34.1	34.1	34.1	34.2	34.3	35.2	35.2
154°	34.7	34.5	35.0	35.0	34.1	34.0	34.1	34.2	34.3	35.1	35.2
154.5°	34.7	34.5	34.8	35.0	34.1	34.0	34.1	34.2	34.2	35.1	35.1
155°	34.7	34.5	34.7	34.9	34.1	34.0	34.1	34.2	34.2	35.1	35.1
155.5°	34.7	34.5	34.7	35.0	34.1	34.0	34.1	34.2	34.2	35.0	35.1
156°	34.7	34.5	34.7	35.0	34.1	34.0	34.0	34.2	34.2	35.1	35.1
156.5°	34.7	34.5	34.8	34.9	34.1	34.0	34.0	34.2	34.2	35.1	35.1
157°	34.6	34.5	34.7	34.9	34.1	34.0	34.1	34.2	34.2	34.8	35.1



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	34.6	34.4	34.7	34.7	34.1	34.0	34.0	34.0	34.3	34.5	35.1
158°	34.6	34.1	34.6	34.7	34.1	34.0	33.9	34.1	34.3	34.4	35.1
158.5°	34.6	34.1	34.4	34.5	34.1	34.0	33.9	33.9	34.2	34.4	35.1
159°	34.4	34.0	34.2	34.4	34.1	34.0	33.7	33.8	34.1	34.4	34.7
159.5°	34.2	34.0	34.1	34.3	34.1	34.1	33.6	33.4	33.7	34.4	34.5
160°	34.0	33.9	33.9	34.2	34.1	34.1	33.4	33.1	33.5	34.1	34.2
160.5°	34.1	33.7	33.8	34.1	33.8	33.8	33.1	33.0	33.1	34.2	34.1
161°	33.9	33.5	33.8	34.1	33.4	33.4	32.9	32.9	33.0	33.8	34.0
161.5°	33.8	33.5	33.7	33.9	33.3	33.2	32.8	32.9	33.0	33.5	34.0
162°	33.7	33.4	33.5	33.7	33.1	33.0	32.8	32.5	32.9	33.3	34.0
162.5°	33.6	33.4	33.3	33.5	33.0	32.8	32.7	32.2	32.7	33.1	33.5
163°	33.4	33.2	33.2	33.4	33.0	32.8	32.6	32.0	32.3	32.9	33.3
163.5°	33.4	33.0	33.0	33.2	33.0	32.8	32.3	32.0	32.1	33.0	33.1
164°	33.4	32.8	32.9	32.9	32.4	32.3	32.1	31.8	32.0	32.7	33.0
164.5°	33.1	32.7	32.7	32.8	32.2	32.0	31.8	31.8	31.8	32.3	32.8
165°	33.1	32.5	32.5	32.5	32.1	32.0	31.6	31.6	31.8	31.9	32.8
165.5°	32.8	32.2	32.2	32.4	31.9	31.8	31.5	31.3	31.5	31.8	32.6
166°	32.6	32.0	32.0	32.1	31.7	31.7	31.1	31.0	31.2	31.7	31.9
166.5°	32.3	31.8	31.7	31.9	31.7	31.7	30.8	30.9	31.0	31.1	31.7
167°	32.1	31.6	31.5	31.7	31.4	31.4	30.6	30.7	30.7	30.9	31.6
167.5°	32.0	31.3	31.1	31.3	31.0	30.9	30.4	30.7	30.5	30.9	31.1
168°	31.6	30.9	30.7	30.7	30.4	30.4	29.9	30.0	30.3	30.6	30.9
168.5°	31.2	30.6	30.3	30.4	29.7	29.8	29.5	29.6	29.8	30.1	30.5
169°	30.7	30.1	29.7	29.9	29.5	29.5	29.3	29.5	29.7	29.9	30.0
169.5°	30.5	29.8	29.6	29.6	29.3	29.3	29.4	29.5	29.7	29.9	30.1
170°	30.4	29.8	29.6	29.6	29.3	29.3	29.4	29.6	29.7	29.9	30.1
170.5°	30.3	29.9	29.5	29.6	29.4	29.4	29.4	29.6	29.8	29.9	30.1
171°	30.7	30.6	31.1	30.9	29.9	29.7	29.9	30.0	30.1	30.1	30.1
171.5°	32.4	32.5	32.9	32.8	31.8	31.1	31.3	31.5	31.4	31.2	30.7
172°	34.1	34.3	34.4	34.3	33.6	33.1	33.3	33.5	33.3	32.9	32.4
172.5°	35.3	35.4	35.4	35.3	35.4	35.0	35.3	35.5	35.2	34.8	34.1
173°	36.3	36.2	36.2	36.2	36.5	36.2	36.6	36.8	36.4	36.0	35.6
173.5°	37.2	36.7	36.5	36.5	37.2	37.0	37.3	37.6	37.3	36.9	36.5
174°	37.7	37.7	37.1	36.8	37.9	37.6	37.9	38.0	38.0	37.7	37.3
174.5°	37.7	37.6	37.6	37.6	38.2	38.0	38.1	38.0	38.0	37.7	37.6
175°	37.6	37.6	37.8	37.6	38.3	38.2	38.1	38.0	38.0	37.7	37.6
175.5°	37.6	37.6	37.7	37.6	38.5	38.4	38.0	38.0	38.0	37.7	37.6
176°	37.8	37.6	37.7	37.6	38.6	38.4	38.0	38.0	38.0	37.7	37.6
176.5°	37.8	37.6	37.7	37.6	38.6	38.5	38.0	38.0	38.0	37.7	37.6
177°	37.8	37.6	37.7	37.6	38.7	38.5	38.0	38.0	38.0	37.7	37.6
177.5°	37.8	37.6	37.7	37.6	38.7	38.4	38.0	38.0	38.0	37.7	37.6
178°	37.8	37.6	37.7	37.6	38.7	38.4	38.0	38.0	38.0	37.7	37.6
178.5°	37.8	37.6	37.7	37.6	38.9	38.4	38.0	38.0	38.0	37.7	37.6
179°	37.8	37.6	37.7	37.7	38.9	38.5	38.0	38.0	38.0	37.7	37.6
179.5°	37.8	37.6	37.7	37.8	38.9	38.5	38.0	38.0	38.0	37.7	37.6



TEST NUMBER: P601030  
CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	395.9	395.9	395.9	395.9	395.9	395.9
0.5°	395.9	395.9	395.9	394.9	396.1	395.9
1°	395.9	395.9	395.6	394.6	396.1	396.1
1.5°	395.1	395.9	395.6	394.8	396.1	396.8
2°	394.2	395.9	395.6	395.1	396.2	397.7
2.5°	393.7	395.9	395.6	395.4	396.2	397.9
3°	393.8	395.9	395.6	395.3	396.1	397.5
3.5°	394.0	395.9	395.4	394.3	396.2	396.9
4°	394.8	395.2	395.2	394.1	396.7	396.7
4.5°	394.8	394.7	394.7	394.1	396.8	396.4
5°	394.3	394.6	394.6	394.1	396.8	396.4
5.5°	393.0	394.4	394.6	394.1	396.4	396.2
6°	392.1	394.4	394.6	393.6	395.8	395.6
6.5°	391.9	394.5	394.6	393.1	395.0	395.5
7°	391.9	394.5	393.5	393.1	394.7	395.3
7.5°	391.9	393.5	393.0	393.1	394.8	395.3
8°	391.2	392.6	393.0	393.1	394.9	395.3
8.5°	390.4	392.3	393.0	392.2	395.0	394.8
9°	389.8	392.0	393.0	391.2	393.9	394.1
9.5°	389.1	391.6	392.1	391.0	392.7	393.4
10°	388.4	391.2	391.2	391.0	392.2	393.3
10.5°	388.3	390.8	390.4	391.0	392.2	393.2
11°	387.7	389.5	390.1	390.8	392.2	393.2
11.5°	387.1	388.2	389.6	390.2	392.2	392.4
12°	385.8	387.8	388.7	389.4	391.6	391.3
12.5°	384.8	387.8	388.3	388.1	390.5	390.2
13°	384.1	387.7	387.9	386.8	390.1	389.4
13.5°	383.7	386.4	386.8	386.1	389.9	389.4
14°	382.9	385.2	385.2	386.0	388.8	389.4
14.5°	383.0	384.6	384.4	386.0	387.5	389.1
15°	382.4	384.3	384.2	386.1	386.8	387.8
15.5°	380.9	383.4	384.0	385.6	386.4	386.0
16°	379.4	381.9	383.8	382.8	386.0	384.5
16.5°	378.3	381.0	383.2	381.1	385.6	384.0
17°	378.1	380.4	381.1	380.5	384.4	384.0
17.5°	377.4	380.1	379.2	380.1	382.8	384.0
18°	376.8	379.2	378.6	380.0	381.6	383.5
18.5°	375.7	377.1	378.6	379.7	380.8	381.6
19°	374.3	375.3	378.5	378.3	379.8	380.2
19.5°	372.5	374.3	377.1	376.7	378.4	379.3
20°	371.1	373.9	374.5	375.5	377.5	378.5
20.5°	370.2	373.1	372.6	374.9	376.6	377.4
21°	369.9	371.5	372.4	373.5	375.6	375.7
21.5°	369.2	369.3	372.3	371.5	374.4	374.5
22°	367.8	368.6	371.7	370.2	373.2	373.7



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	365.7	367.8	369.9	369.6	372.5	372.7
23°	364.2	366.8	367.5	368.8	371.9	371.7
23.5°	363.8	365.3	366.1	367.3	370.4	370.7
24°	362.5	363.3	364.7	366.3	368.3	369.2
24.5°	360.4	362.2	363.7	365.3	366.7	367.9
25°	358.2	360.9	363.0	364.0	366.0	367.1
25.5°	356.4	359.1	361.7	362.5	364.8	365.9
26°	355.6	357.8	359.7	360.7	363.0	363.8
26.5°	355.1	357.3	358.4	359.0	361.6	361.6
27°	353.8	356.7	357.4	357.7	360.8	360.2
27.5°	351.8	355.1	356.3	356.4	359.5	359.6
28°	349.6	352.6	354.1	355.1	357.4	358.8
28.5°	347.9	350.3	351.9	353.9	355.5	357.6
29°	346.9	349.1	350.6	352.4	354.3	355.7
29.5°	345.7	348.2	349.7	350.7	353.1	353.9
30°	344.3	346.9	348.6	349.1	351.9	352.2
30.5°	342.2	344.8	347.0	347.8	350.1	350.8
31°	340.1	342.7	344.7	346.2	348.5	349.2
31.5°	338.2	340.7	342.1	344.0	347.3	346.9
32°	336.5	338.9	340.2	341.8	346.1	344.3
32.5°	334.3	337.5	339.1	340.2	344.2	342.4
33°	332.3	336.0	337.5	338.9	341.7	341.4
33.5°	330.8	334.0	335.5	337.3	339.5	340.6
34°	329.4	331.3	333.7	335.4	337.7	339.4
34.5°	327.6	329.4	331.9	333.3	336.1	337.1
35°	325.2	328.0	330.3	331.5	334.2	334.6
35.5°	323.1	326.4	328.5	330.4	332.5	332.4
36°	321.8	324.6	326.9	329.3	331.0	330.4
36.5°	320.5	322.6	324.9	327.4	328.7	328.6
37°	318.9	320.3	322.5	324.8	326.1	326.8
37.5°	316.7	318.3	320.4	322.5	324.4	325.2
38°	313.6	316.4	318.3	320.7	322.8	323.7
38.5°	310.7	314.2	316.4	319.1	321.2	321.9
39°	309.2	311.8	314.8	316.9	319.5	319.7
39.5°	308.2	309.6	312.8	314.4	317.5	317.1
40°	306.2	307.4	310.8	312.0	314.9	314.8
40.5°	303.3	306.0	308.4	310.1	312.4	313.1
41°	300.2	303.9	305.8	308.6	310.2	311.3
41.5°	297.9	301.3	303.7	306.5	308.5	308.9
42°	296.4	298.6	302.1	304.6	306.7	306.4
42.5°	294.3	296.5	300.3	302.6	304.3	304.2
43°	292.1	294.7	297.5	300.5	302.1	302.7
43.5°	289.9	292.5	294.7	297.9	300.1	301.0
44°	287.5	289.8	292.4	295.5	297.8	298.0
44.5°	285.3	287.6	290.4	292.8	295.6	294.7





TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	282.7	285.5	288.5	290.6	293.7	292.7
45.5°	280.3	283.5	286.7	288.3	291.5	291.1
46°	278.1	281.6	284.0	286.1	288.9	289.4
46.5°	276.0	279.1	281.7	283.8	286.3	287.6
47°	273.7	276.2	279.5	282.1	284.2	284.8
47.5°	271.3	273.8	277.3	280.4	282.5	282.1
48°	268.8	271.6	275.0	278.3	280.3	279.5
48.5°	266.3	269.7	272.7	275.1	277.5	276.9
49°	263.9	267.3	270.4	271.8	275.0	274.6
49.5°	261.9	264.3	268.2	269.4	272.8	272.6
50°	259.5	261.4	265.2	267.6	270.8	270.7
50.5°	256.7	259.2	262.6	266.0	268.4	268.5
51°	254.4	257.5	260.3	264.0	265.6	265.6
51.5°	252.3	255.3	257.8	261.0	263.0	263.2
52°	249.8	252.2	255.4	257.7	260.6	260.3
52.5°	247.2	249.3	253.0	255.1	258.1	257.5
53°	244.9	247.0	250.6	253.0	255.4	255.2
53.5°	242.6	244.9	248.0	251.1	252.8	253.1
54°	239.7	242.7	245.8	249.3	250.1	251.1
54.5°	237.2	240.8	243.3	246.6	247.7	248.7
55°	235.3	238.2	241.0	244.2	245.9	246.2
55.5°	233.0	235.0	238.3	241.5	243.6	243.6
56°	230.6	232.2	235.7	239.0	241.0	241.3
56.5°	228.0	230.0	233.4	236.5	238.3	238.4
57°	225.0	227.8	231.6	234.0	235.6	235.6
57.5°	222.4	225.2	229.3	231.3	233.5	233.5
58°	220.1	222.5	226.3	228.7	231.6	231.5
58.5°	217.9	219.8	223.9	226.3	229.2	229.1
59°	215.5	217.4	221.6	223.7	226.4	226.2
59.5°	212.6	215.4	219.2	221.3	223.7	223.5
60°	209.5	213.3	216.5	218.9	221.0	220.6
60.5°	206.9	210.5	213.7	216.6	218.6	217.7
61°	204.8	207.5	211.4	214.2	216.0	215.4
61.5°	203.1	204.8	209.1	211.5	213.5	213.1
62°	200.9	202.5	206.5	208.9	211.2	210.7
62.5°	197.7	200.1	203.8	206.3	208.9	208.2
63°	194.4	197.6	201.2	203.9	206.4	205.4
63.5°	191.7	195.1	198.8	201.5	203.8	202.7
64°	189.9	192.7	196.2	198.8	201.1	200.2
64.5°	188.2	190.5	193.7	196.3	198.5	197.9
65°	185.7	187.9	191.2	194.1	195.6	195.6
65.5°	182.9	185.3	188.9	191.5	192.7	193.0
66°	179.8	182.5	186.7	189.1	190.2	190.5
66.5°	177.3	180.0	184.1	186.5	188.0	187.9
67°	175.4	177.6	181.5	183.9	185.7	185.3



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	173.2	175.4	179.0	181.3	183.0	182.5
68°	170.9	173.0	176.6	178.7	180.7	180.0
68.5°	168.0	170.3	174.0	176.5	178.4	177.8
69°	165.5	167.7	171.5	174.1	175.9	175.5
69.5°	163.0	165.3	169.1	171.7	173.1	173.1
70°	160.8	163.2	166.8	169.0	170.8	170.3
70.5°	158.5	160.9	164.2	166.9	168.2	167.7
71°	156.4	158.4	161.9	164.5	165.6	165.4
71.5°	154.0	155.9	159.5	162.2	163.2	163.0
72°	151.5	153.7	157.1	159.8	160.7	160.5
72.5°	148.8	151.4	154.7	157.5	158.5	158.3
73°	146.3	149.1	152.2	155.0	156.4	155.6
73.5°	144.1	146.8	149.9	152.6	154.2	153.4
74°	142.1	144.4	147.6	149.8	151.6	150.8
74.5°	139.9	142.0	145.4	147.4	148.9	148.3
75°	137.7	139.7	143.1	145.2	146.3	146.0
75.5°	135.3	137.3	140.8	143.2	144.1	143.7
76°	133.2	135.4	138.3	141.1	141.9	141.4
76.5°	131.0	133.1	136.0	138.5	139.6	139.2
77°	128.7	130.8	134.0	136.1	137.1	136.7
77.5°	126.5	128.5	131.8	133.7	134.9	134.4
78°	124.4	126.2	129.6	131.5	132.6	132.0
78.5°	122.2	123.9	127.4	129.7	130.6	129.8
79°	119.9	121.9	125.2	127.6	128.5	127.7
79.5°	117.7	120.0	123.1	125.2	126.2	125.7
80°	115.6	117.9	121.3	122.7	123.7	123.4
80.5°	113.8	115.6	119.1	120.7	121.4	121.5
81°	111.8	113.3	116.7	118.6	119.4	119.1
81.5°	109.8	111.4	114.3	116.6	117.6	116.9
82°	107.8	109.7	112.6	114.3	115.5	114.6
82.5°	105.7	107.8	110.8	112.2	113.0	112.5
83°	103.6	105.7	108.7	110.2	110.8	110.5
83.5°	101.7	103.8	106.8	108.2	108.9	108.7
84°	100.0	102.0	104.7	106.4	107.1	106.7
84.5°	98.2	100.3	102.6	104.5	105.2	104.7
85°	96.5	98.7	100.8	102.5	103.3	102.8
85.5°	94.7	96.7	99.2	100.4	101.2	100.7
86°	92.8	94.7	97.7	98.6	99.3	98.9
86.5°	91.1	92.9	95.7	97.1	97.8	97.1
87°	89.3	91.3	93.6	95.5	96.1	95.3
87.5°	87.8	89.9	92.1	93.8	94.2	93.7
88°	86.3	88.2	90.5	92.1	92.3	92.0
88.5°	84.7	86.4	89.0	90.0	90.4	90.1
89°	83.0	84.7	87.4	88.4	89.0	88.2
89.5°	81.2	83.2	85.4	86.8	87.3	86.6



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	79.6	81.9	84.1	85.3	85.8	85.1
90.5°	78.4	80.4	82.5	83.9	84.1	83.6
91°	76.9	78.8	81.0	82.2	82.4	82.0
91.5°	75.4	77.1	79.5	80.5	80.9	80.2
92°	74.0	75.6	77.8	78.9	79.5	78.7
92.5°	72.4	74.3	76.4	77.7	77.9	77.2
93°	71.0	73.1	75.0	76.5	76.5	76.0
93.5°	69.6	71.9	73.7	75.0	75.1	74.6
94°	68.3	70.5	72.3	73.4	73.8	73.1
94.5°	67.0	69.1	70.9	71.9	72.3	71.6
95°	65.9	67.8	69.5	70.6	70.9	70.2
95.5°	64.8	66.6	68.4	69.4	69.5	69.0
96°	63.7	65.4	67.4	68.1	68.3	67.7
96.5°	62.4	64.4	66.2	67.0	67.2	66.5
97°	61.2	63.4	64.8	65.7	66.1	65.0
97.5°	60.3	62.2	63.4	64.6	64.7	63.9
98°	59.2	61.1	62.3	63.3	63.5	62.8
98.5°	57.9	59.9	61.4	62.2	62.3	61.8
99°	56.8	58.7	60.4	61.4	61.4	60.6
99.5°	55.7	57.7	59.3	60.1	60.1	59.5
100°	54.7	56.8	58.3	59.1	59.1	58.4
100.5°	53.8	55.9	57.2	58.1	58.1	57.4
101°	52.8	55.0	56.3	57.0	57.2	56.3
101.5°	52.2	54.0	55.4	56.1	56.1	55.4
102°	51.2	53.1	54.4	55.2	55.0	54.5
102.5°	50.2	51.8	53.3	54.2	54.1	53.5
103°	49.3	51.2	52.5	53.2	53.1	52.2
103.5°	48.7	50.4	51.7	52.2	52.3	51.5
104°	47.9	49.7	50.9	51.3	51.4	50.6
104.5°	47.1	48.9	50.0	50.7	50.5	50.0
105°	46.5	48.3	49.2	49.8	49.7	49.2
105.5°	45.4	47.5	48.5	48.9	48.9	48.2
106°	44.7	46.7	47.8	48.2	48.1	47.5
106.5°	44.2	45.9	47.2	47.6	47.4	46.7
107°	43.5	45.2	46.4	46.9	46.7	46.0
107.5°	43.0	44.5	45.5	46.2	46.0	45.2
108°	42.1	43.9	44.8	45.4	45.3	44.5
108.5°	41.9	43.4	44.2	44.7	44.5	43.9
109°	41.1	42.8	43.6	44.0	43.9	43.3
109.5°	40.8	42.2	43.1	43.3	43.3	42.7
110°	39.9	41.6	42.5	42.7	42.7	42.0
110.5°	39.5	41.0	41.8	42.2	42.0	41.4
111°	38.7	40.5	41.2	41.6	41.6	40.8
111.5°	38.4	40.0	40.6	41.0	41.0	40.2
112°	37.8	39.5	40.0	40.5	40.5	39.7



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	37.5	39.1	39.6	40.0	39.8	39.3
113°	37.1	38.6	39.2	39.4	39.3	38.9
113.5°	36.3	38.2	38.7	39.0	38.9	38.3
114°	36.2	37.7	38.2	38.5	38.4	37.9
114.5°	35.9	37.2	37.9	38.1	38.0	37.4
115°	35.3	36.9	37.4	37.7	37.6	37.0
115.5°	35.2	36.6	37.1	37.2	37.2	36.6
116°	34.4	36.1	36.6	36.9	36.8	36.3
116.5°	34.2	35.8	36.3	36.4	36.4	35.8
117°	33.9	35.3	36.0	36.1	36.0	35.4
117.5°	33.8	35.1	35.6	35.9	35.6	35.1
118°	33.3	34.8	35.3	35.4	35.2	34.8
118.5°	33.1	34.7	35.0	35.1	34.9	34.6
119°	32.9	34.4	34.7	34.8	34.7	34.2
119.5°	32.7	34.2	34.4	34.5	34.4	34.1
120°	32.4	34.0	34.2	34.3	34.1	33.8
120.5°	32.1	33.8	34.0	34.0	34.0	33.5
121°	31.9	33.6	33.8	33.8	33.8	33.3
121.5°	31.8	33.3	33.5	33.6	33.5	33.1
122°	31.7	33.1	33.4	33.3	33.3	32.9
122.5°	31.7	33.1	33.1	33.1	33.0	32.7
123°	31.6	33.0	32.9	32.9	32.8	32.5
123.5°	31.6	32.9	32.8	32.8	32.6	32.2
124°	31.6	32.6	32.7	32.7	32.5	32.1
124.5°	31.5	32.5	32.5	32.6	32.4	31.9
125°	31.5	32.4	32.5	32.3	32.3	31.9
125.5°	31.5	32.4	32.3	32.2	32.1	31.8
126°	31.5	32.3	32.3	32.2	31.9	31.8
126.5°	31.5	32.2	32.2	32.1	31.9	31.8
127°	31.5	32.2	32.2	32.0	31.8	31.5
127.5°	31.5	32.1	32.0	31.9	31.8	31.5
128°	31.5	32.1	32.0	31.9	31.7	31.5
128.5°	31.5	32.1	32.0	31.9	31.6	31.5
129°	31.6	32.1	32.0	31.8	31.6	31.5
129.5°	31.6	32.1	32.0	31.8	31.7	31.5
130°	31.6	32.1	32.0	31.8	31.6	31.4
130.5°	31.7	32.1	32.0	31.8	31.6	31.4
131°	31.9	32.1	32.0	31.8	31.6	31.4
131.5°	32.0	32.1	32.0	31.8	31.6	31.4
132°	32.1	32.1	32.0	31.8	31.6	31.4
132.5°	32.1	32.1	32.0	31.8	31.6	31.4
133°	32.1	32.1	32.0	31.8	31.6	31.4
133.5°	32.3	32.1	32.0	31.8	31.7	31.4
134°	32.4	32.2	32.0	31.8	31.7	31.5
134.5°	32.4	32.2	32.0	31.8	31.8	31.4



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	32.5	32.2	32.0	31.8	31.8	31.4
135.5°	32.6	32.3	32.0	31.8	32.0	31.8
136°	32.8	32.8	32.2	32.0	31.9	31.8
136.5°	32.9	33.0	32.4	32.0	31.9	31.8
137°	32.9	33.1	32.7	32.1	32.0	31.9
137.5°	33.0	33.1	32.8	32.5	32.2	32.1
138°	33.2	33.1	32.9	32.8	32.6	32.3
138.5°	33.4	33.3	33.0	32.8	32.8	32.3
139°	33.6	33.6	33.1	32.9	32.9	32.8
139.5°	33.7	34.0	33.4	33.2	32.9	33.1
140°	33.9	34.1	33.6	33.2	33.1	33.0
140.5°	34.0	34.1	33.9	33.4	33.3	33.2
141°	34.2	34.3	34.0	33.8	33.5	33.2
141.5°	34.4	34.5	34.1	33.9	33.6	33.3
142°	34.7	34.7	34.3	34.0	33.8	33.5
142.5°	34.8	35.1	34.5	34.1	34.1	34.1
143°	35.0	35.3	34.8	34.3	34.1	34.1
143.5°	35.2	35.3	34.8	34.4	34.2	34.2
144°	35.5	35.3	35.1	34.6	34.4	34.2
144.5°	35.5	35.3	35.1	35.1	34.4	34.2
145°	35.5	35.4	35.1	35.1	34.6	34.2
145.5°	35.5	35.6	35.4	35.1	34.9	34.2
146°	35.5	35.6	35.5	35.2	35.1	34.4
146.5°	35.5	35.8	35.6	35.3	35.2	34.8
147°	35.5	35.9	35.6	35.4	35.2	34.8
147.5°	35.5	36.3	35.9	35.7	35.2	34.7
148°	35.5	36.3	36.1	35.9	35.2	34.7
148.5°	35.5	36.3	36.3	35.9	35.2	34.7
149°	35.5	36.5	36.3	36.0	35.2	34.7
149.5°	35.4	36.5	36.2	35.9	35.2	34.7
150°	35.2	36.4	36.2	35.9	35.2	34.7
150.5°	35.2	36.4	36.2	35.9	35.2	34.7
151°	35.2	36.4	36.2	35.9	35.2	34.7
151.5°	35.2	36.4	36.2	36.0	35.2	34.7
152°	35.2	36.4	36.2	36.0	35.2	34.7
152.5°	35.1	36.4	36.2	35.9	35.2	34.7
153°	35.0	36.5	36.2	35.7	35.2	34.7
153.5°	35.0	36.5	36.3	35.8	35.1	34.7
154°	34.9	36.3	36.1	35.8	35.1	34.7
154.5°	35.0	36.3	36.1	35.7	35.1	34.7
155°	34.9	36.3	36.0	35.7	35.1	34.7
155.5°	34.9	36.2	36.0	35.7	35.1	34.7
156°	34.8	36.1	36.0	35.7	35.1	34.7
156.5°	34.8	36.1	36.0	35.8	34.9	34.7
157°	34.8	36.2	35.9	35.8	34.9	34.6



TEST NUMBER: P601030  
 CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	34.8	36.1	35.9	35.7	35.0	34.6
158°	34.8	36.0	36.0	35.6	35.0	34.6
158.5°	34.7	35.9	35.8	35.4	34.9	34.6
159°	34.6	35.9	35.8	35.4	34.7	34.4
159.5°	34.4	35.9	35.9	35.3	34.7	34.2
160°	34.3	35.9	35.8	35.1	34.6	34.0
160.5°	34.2	35.9	35.6	35.0	34.4	34.1
161°	34.0	35.6	35.3	34.9	34.3	33.9
161.5°	34.0	35.3	35.2	34.6	34.1	33.8
162°	33.9	35.1	35.0	34.5	34.0	33.7
162.5°	33.6	35.0	34.8	34.3	33.8	33.6
163°	33.3	34.9	34.6	34.2	33.8	33.4
163.5°	33.2	34.7	34.4	34.1	33.8	33.4
164°	33.1	34.5	34.3	33.9	33.5	33.4
164.5°	33.0	34.3	34.2	33.6	33.3	33.1
165°	32.8	34.2	34.1	33.5	33.3	33.1
165.5°	32.8	34.0	33.9	33.3	33.1	32.8
166°	32.4	33.8	33.6	33.0	32.9	32.6
166.5°	32.0	33.8	33.3	32.8	32.7	32.3
167°	31.8	33.5	32.9	32.6	32.5	32.1
167.5°	31.6	33.3	32.6	32.5	32.2	32.0
168°	31.5	32.8	32.4	32.1	31.8	31.6
168.5°	31.0	32.5	32.0	31.7	31.5	31.2
169°	30.5	31.9	31.5	31.3	31.2	30.7
169.5°	30.1	31.4	31.0	30.9	30.7	30.5
170°	30.1	31.0	30.7	30.6	30.5	30.4
170.5°	30.1	30.7	30.7	30.5	30.5	30.3
171°	30.1	30.8	30.7	30.5	30.6	30.7
171.5°	30.6	31.7	31.6	31.3	32.0	32.4
172°	32.0	33.6	33.3	33.2	33.9	34.1
172.5°	33.9	35.0	34.9	34.8	35.2	35.3
173°	35.4	36.1	35.9	35.9	36.3	36.3
173.5°	36.4	36.9	36.6	36.6	36.9	37.2
174°	37.2	37.5	37.5	37.4	37.5	37.7
174.5°	37.7	37.6	37.6	37.4	37.7	37.7
175°	37.7	37.6	37.6	37.4	37.9	37.6
175.5°	37.7	37.6	37.5	37.5	38.0	37.6
176°	37.7	37.7	37.5	37.6	38.0	37.8
176.5°	37.7	37.9	37.7	37.7	38.0	37.8
177°	37.7	38.0	37.7	37.7	38.0	37.8
177.5°	37.7	38.1	37.8	37.7	38.0	37.8
178°	37.7	38.1	37.7	37.9	38.0	37.8
178.5°	37.7	38.1	37.9	37.9	38.0	37.8
179°	37.7	38.1	38.0	37.9	38.0	37.8
179.5°	37.7	38.2	38.2	37.9	38.0	37.8



TEST NUMBER: P601030  
CATALOG NUMBER: FM159S1EWHR\_5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	37.7	37.7	37.7	37.7	37.7	37.7

(END OF REPORT)