

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: P601037

Luminaire Tested: FM159S1EWHR\_4000K

Issue Date: 3/14/2023

**Test Information**

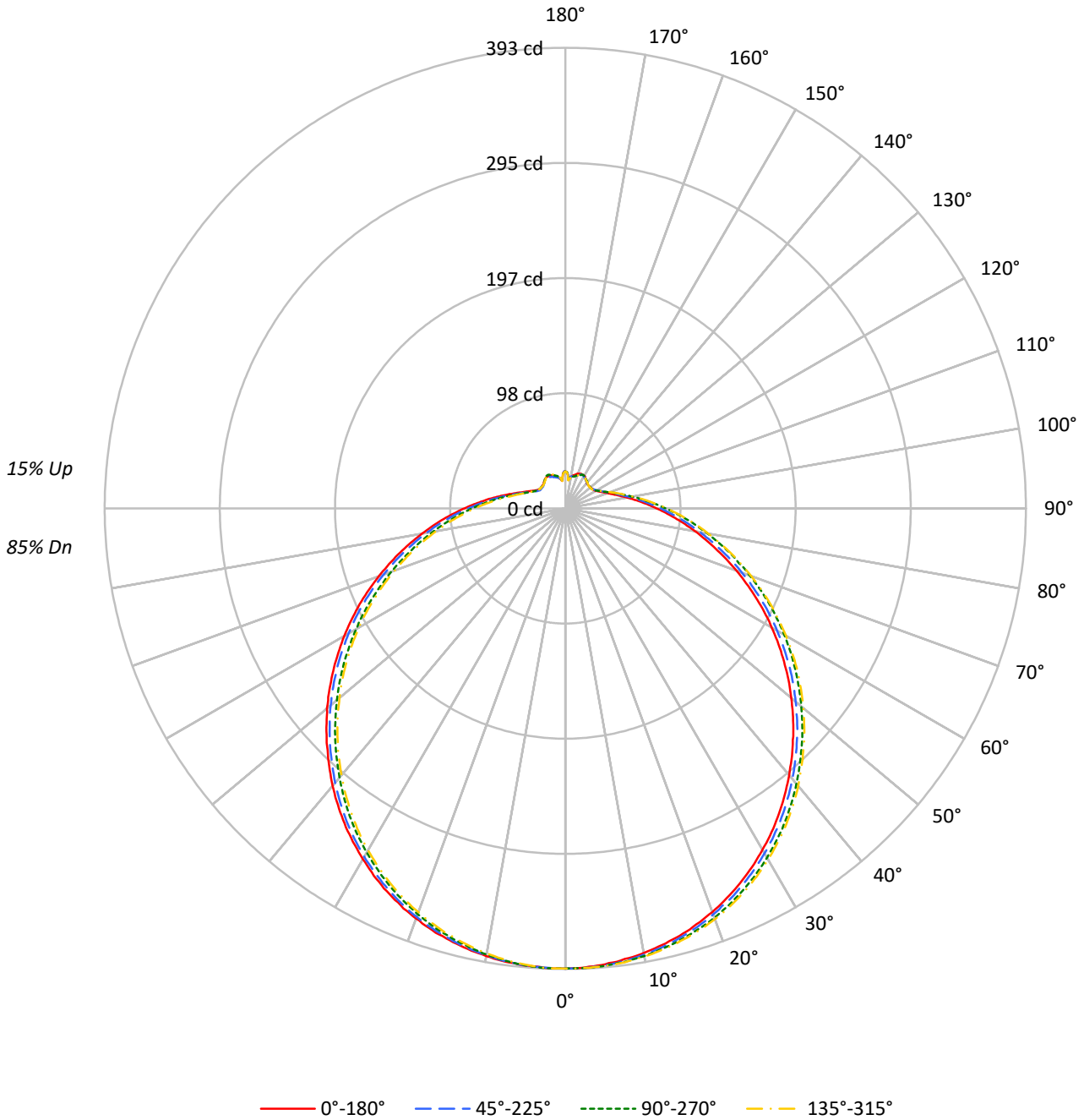
Test Method: LM-79-2019  
Report Number: P601037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2117163A001)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/14/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: FM159S1EWHR\_4000K  
Description: FM159S1EWHR at 4000K  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1628.8 lumens  
Efficiency: N/A  
Efficacy: 93.6 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°	3444	3444	3444	3444
5°	3339	3351	3349	3348
10°	3239	3261	3262	3251
15°	3145	3174	3176	3156
20°	3049	3091	3098	3064
25°	2952	3005	3014	2970
30°	2853	2920	2931	2874
35°	2755	2832	2844	2779
40°	2653	2740	2758	2676
45°	2553	2650	2669	2577
50°	2452	2561	2586	2478
55°	2355	2477	2497	2383
60°	2256	2393	2414	2285
65°	2160	2312	2335	2193
70°	2072	2236	2257	2105
75°	1998	2177	2195	2034
80°	1955	2139	2157	1993
85°	1954	2149	2164	1995

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°  
 Vertical Angle: 45°  
 Luminance: 2675 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	2.3
10°-20°	107.2	6.6
20°-30°	164.6	10.1
30°-40°	202.4	12.4
40°-50°	217.3	13.3
50°-60°	210.3	12.9
60°-70°	184.8	11.3
70°-80°	147.8	9.1
80°-90°	108.6	6.7
90°-100°	74.4	4.6
100°-110°	49.4	3.0
110°-120°	33.9	2.1
120°-130°	25.4	1.6
130°-140°	21.5	1.3
140°-150°	18.9	1.2
150°-160°	14.4	0.9
160°-170°	8.1	0.5
170°-180°	2.5	0.2
0°-30°	309.0	19.0
0°-40°	511.5	31.4
0°-60°	939.1	57.7
0°-90°	1380.2	84.7
90°-120°	157.7	9.7
90°-150°	223.5	13.7
90°-180°	249.0	15.3
0°-180°	1628.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	393	393	393	393	393	
5°	390	392	392	391	390	37
15°	378	381	381	379	378	107
25°	353	359	360	355	353	163
35°	318	327	328	321	318	199
45°	275	285	288	278	275	212
55°	228	240	242	231	228	204
65°	179	192	194	182	179	178
75°	133	145	146	135	133	141
85°	94	103	104	96	94	81
90°	78	86	86	80	78	43
95°	64	71	71	66	64	50
105°	44	48	48	45	44	48
115°	33	35	35	33	33	33
125°	29	28	28	28	29	26
135°	28	28	27	27	28	22
145°	30	31	30	30	30	19
155°	32	31	31	32	32	15
165°	29	28	28	29	29	8
175°	28	27	26	28	28	3
180°	32	32	32	32	32	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
0.5°	392.5	392.6	392.6	392.7	392.6	392.6	392.6	392.6	392.6	392.6	392.6
1°	392.4	392.5	392.6	392.7	392.6	392.6	392.6	392.6	392.6	392.4	392.5
1.5°	392.4	392.5	392.6	392.6	392.5	392.6	392.6	392.6	392.6	392.3	392.4
2°	392.2	392.3	392.6	392.6	392.5	392.6	392.6	392.5	392.6	392.1	392.3
2.5°	392.0	392.1	392.5	392.7	392.4	392.6	392.5	392.6	392.5	392.0	392.2
3°	391.6	391.9	392.4	392.6	392.3	392.6	392.6	392.4	391.9	392.0	392.1
3.5°	391.4	391.6	392.0	392.5	392.3	392.4	392.2	392.4	391.8	391.8	392.0
4°	391.1	391.4	391.9	392.1	392.0	392.1	392.2	392.2	391.6	391.6	391.9
4.5°	390.9	391.0	391.6	392.1	391.9	392.1	392.1	392.0	391.5	391.5	391.6
5°	390.4	390.8	391.2	392.0	391.8	392.0	391.8	392.0	391.6	391.4	391.4
5.5°	389.7	390.4	391.1	391.5	391.3	391.9	391.7	391.9	391.4	391.1	391.2
6°	389.5	390.0	390.6	391.0	391.1	391.4	391.4	391.5	390.9	390.7	390.7
6.5°	389.3	389.5	390.4	390.7	390.7	391.1	391.0	391.0	390.5	390.5	390.4
7°	388.6	389.1	389.8	390.3	390.4	390.7	390.7	390.8	390.3	390.1	390.0
7.5°	387.8	388.6	389.4	389.9	390.1	390.5	390.5	390.5	390.1	389.8	389.6
8°	387.5	388.1	388.9	389.4	389.7	390.0	389.9	390.1	389.8	389.3	389.2
8.5°	387.0	387.5	388.4	389.0	389.1	389.5	389.7	389.7	389.3	388.9	388.9
9°	386.6	386.9	387.9	388.4	388.7	389.1	389.2	389.2	389.0	388.5	388.1
9.5°	386.0	386.3	387.3	388.0	388.2	388.6	388.7	388.9	388.2	388.0	387.8
10°	385.2	385.7	386.6	387.5	387.8	388.1	388.2	388.2	387.9	387.5	387.2
10.5°	384.5	385.1	386.0	386.9	387.2	387.7	387.9	387.8	387.2	386.9	386.8
11°	383.8	384.5	385.5	386.1	386.6	387.1	387.3	387.4	386.7	386.4	386.1
11.5°	383.0	383.7	384.7	385.4	386.0	386.5	386.7	386.9	386.2	385.8	385.4
12°	382.2	382.9	384.0	384.7	385.4	385.9	386.1	386.2	385.7	385.2	384.8
12.5°	381.5	382.1	383.3	384.1	384.7	385.2	385.4	385.5	384.9	384.5	384.1
13°	380.9	381.4	382.5	383.4	384.0	384.6	384.9	384.8	384.3	383.9	383.6
13.5°	379.8	380.6	381.7	382.6	383.3	383.9	384.2	384.3	383.6	383.2	382.8
14°	378.9	379.6	381.0	381.9	382.5	383.3	383.4	383.6	382.9	382.4	382.0
14.5°	378.2	378.8	380.0	380.9	381.8	382.6	382.7	382.8	382.3	381.8	381.3
15°	377.5	377.9	379.2	380.1	381.0	381.7	381.9	382.0	381.3	380.9	380.3
15.5°	376.4	377.0	378.2	379.1	380.2	381.1	381.2	381.3	380.7	380.1	379.5
16°	375.4	376.2	377.2	378.2	379.3	380.0	380.4	380.5	379.6	379.3	378.6
16.5°	374.5	375.2	376.5	377.3	378.4	379.1	379.5	379.6	379.1	378.3	377.8
17°	373.2	374.1	375.4	376.8	377.5	378.4	378.7	378.7	378.5	377.6	376.9
17.5°	372.1	373.1	374.5	375.7	376.6	377.3	377.8	377.8	377.3	376.7	375.9
18°	371.1	372.0	373.3	374.6	375.9	376.4	376.8	376.9	376.3	375.6	375.1
18.5°	369.9	371.0	372.3	373.6	374.8	375.7	376.1	375.9	375.5	374.9	374.1
19°	368.8	369.8	371.2	372.4	373.8	374.5	375.0	375.2	374.6	373.9	373.0
19.5°	367.6	368.6	370.1	371.4	372.8	373.7	374.0	374.1	373.1	372.8	372.0
20°	366.6	367.5	368.8	370.2	371.7	372.5	373.0	373.1	372.5	371.7	370.9
20.5°	365.3	366.2	367.6	369.0	370.6	371.4	371.9	372.1	371.4	370.6	369.8
21°	364.0	365.0	366.5	367.8	369.4	370.4	370.8	371.0	370.2	369.7	368.7
21.5°	362.7	363.6	364.6	366.6	368.2	369.3	369.7	369.9	369.1	368.4	367.5
22°	361.3	362.2	364.0	365.4	367.1	367.8	368.5	368.6	368.3	367.2	366.2



TEST NUMBER: P601037  
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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°	359.9	360.9	362.6	364.2	365.9	366.8	367.3	367.4	366.8	365.9	365.0
23°	358.6	359.7	361.3	362.8	364.6	365.4	366.1	366.2	365.2	364.6	363.7
23.5°	357.2	358.2	360.1	361.5	363.2	364.2	364.9	364.9	364.5	363.4	362.4
24°	355.8	356.7	358.5	360.2	362.0	362.9	363.6	363.7	363.0	362.2	361.1
24.5°	354.3	355.4	357.1	358.8	360.6	361.6	362.1	362.3	361.6	360.8	359.6
25°	352.8	354.1	355.7	357.3	359.2	360.1	360.8	361.0	360.3	359.4	358.4
25.5°	351.2	352.6	354.2	355.8	357.8	359.0	359.5	359.6	359.2	358.0	356.7
26°	349.6	350.7	352.7	354.5	356.4	357.6	358.1	358.1	357.7	356.5	355.6
26.5°	348.2	349.2	351.1	352.9	354.8	356.2	356.7	356.8	356.1	355.2	353.9
27°	346.5	347.7	349.7	351.4	353.6	354.7	355.2	355.3	354.8	353.7	352.5
27.5°	345.0	346.0	348.1	349.8	352.1	353.2	353.9	353.9	353.4	352.3	351.0
28°	343.4	344.4	346.5	348.4	350.4	351.6	352.2	352.5	351.7	350.6	349.5
28.5°	341.7	342.8	344.8	346.7	348.9	350.1	350.8	350.9	350.2	349.2	347.9
29°	339.8	341.1	343.3	345.1	347.4	348.6	349.2	349.3	348.6	347.6	346.3
29.5°	338.3	339.4	341.5	343.4	345.7	347.1	347.6	347.8	346.9	346.1	344.8
30°	336.3	338.1	339.8	341.7	344.2	345.4	346.0	346.1	345.5	344.4	343.1
30.5°	334.7	336.0	338.2	340.2	342.5	343.7	344.4	344.5	343.8	342.7	341.4
31°	333.1	334.2	336.4	338.3	340.7	342.1	342.7	342.9	342.2	341.1	339.6
31.5°	331.2	332.8	334.7	336.6	339.0	340.5	341.0	341.3	340.4	339.3	338.0
32°	329.5	331.0	333.1	334.8	337.4	338.8	339.3	339.5	338.7	337.7	336.2
32.5°	327.6	329.0	331.2	333.2	335.6	336.9	337.6	337.8	337.2	336.0	334.5
33°	325.7	327.2	329.2	331.7	333.9	335.1	335.9	336.1	335.4	334.3	332.7
33.5°	323.8	325.2	327.6	329.5	332.2	333.3	334.1	334.3	333.5	332.5	330.9
34°	321.8	323.3	325.6	327.8	330.5	331.7	332.4	332.6	332.1	330.8	329.1
34.5°	319.9	321.3	323.7	325.9	328.5	329.9	330.7	330.9	330.3	329.1	327.3
35°	317.9	319.4	321.8	323.9	326.7	328.2	328.7	329.0	328.1	327.2	325.4
35.5°	315.9	317.5	319.8	322.0	324.9	326.3	326.9	327.2	326.5	325.3	323.5
36°	313.9	315.3	317.9	319.9	322.8	324.3	325.1	325.3	324.5	323.3	321.6
36.5°	311.8	313.4	315.8	318.0	320.9	322.4	323.1	323.3	322.7	321.5	319.7
37°	309.7	311.3	313.8	316.1	318.9	320.7	321.2	321.5	320.8	319.5	317.6
37.5°	307.6	309.3	311.7	314.1	317.0	318.4	319.2	319.5	318.8	317.5	315.7
38°	305.6	307.2	309.8	312.0	315.0	316.4	317.1	317.5	316.9	315.5	313.6
38.5°	303.4	305.1	307.7	310.0	313.0	314.5	315.2	315.6	315.0	313.5	311.6
39°	301.4	303.0	305.6	308.0	310.9	312.2	313.2	313.4	312.9	311.4	309.6
39.5°	299.3	300.9	303.5	305.9	309.0	310.4	311.3	311.4	310.9	309.6	307.6
40°	297.1	298.8	301.4	303.8	306.8	308.2	309.0	309.3	308.8	307.4	305.4
40.5°	294.9	296.6	299.2	301.7	304.8	306.1	306.9	307.2	306.7	305.3	303.4
41°	292.7	294.5	297.1	299.5	302.6	304.1	304.9	305.1	304.7	303.3	301.1
41.5°	290.6	292.2	295.1	297.3	300.6	302.0	302.7	303.0	302.5	301.1	299.0
42°	288.5	289.9	292.7	295.2	298.3	300.0	300.6	301.0	300.3	298.9	296.8
42.5°	286.3	288.0	290.5	293.0	296.2	297.8	298.5	298.8	298.1	296.8	294.6
43°	284.0	285.8	288.5	290.9	294.1	295.5	296.2	296.6	296.0	294.6	292.4
43.5°	281.8	283.7	286.3	288.9	291.9	293.3	294.3	294.5	294.0	292.5	290.3
44°	279.6	281.4	284.2	286.7	289.6	291.3	291.9	292.3	291.6	290.2	288.3
44.5°	277.1	279.0	281.8	284.5	287.6	288.9	289.7	290.1	289.4	288.3	286.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	275.0	276.9	279.5	282.2	285.4	287.0	287.7	288.1	287.5	286.0	283.9
45.5°	272.8	274.5	277.4	280.0	283.3	284.7	285.6	285.9	285.4	284.0	281.9
46°	270.5	272.3	275.1	277.7	281.0	282.4	283.3	283.7	283.0	281.8	279.4
46.5°	268.1	270.0	273.0	275.5	278.8	280.4	281.1	281.5	280.8	279.6	277.2
47°	265.7	267.7	270.6	273.1	276.6	278.0	278.8	279.2	278.7	277.3	274.9
47.5°	263.5	265.3	268.2	270.9	274.3	275.8	276.6	277.0	276.4	274.9	272.7
48°	261.2	263.1	265.8	268.6	272.2	273.4	274.3	274.7	274.1	272.8	270.5
48.5°	258.8	260.7	263.4	266.3	269.8	271.2	272.1	272.4	271.8	270.5	268.2
49°	256.4	258.3	261.2	263.9	267.5	269.0	269.7	270.2	269.4	268.2	265.9
49.5°	254.0	256.0	258.9	261.8	265.2	266.7	267.5	267.9	267.3	266.0	263.7
50°	251.7	253.7	256.5	259.3	262.9	264.3	265.2	265.7	265.4	263.9	261.2
50.5°	249.3	251.3	254.3	257.0	260.6	262.0	262.7	263.3	262.7	261.4	258.8
51°	247.0	249.0	251.9	254.6	258.3	259.7	260.4	260.9	260.4	259.1	256.6
51.5°	244.7	246.6	249.6	252.3	256.0	257.5	258.2	258.7	258.4	256.9	254.3
52°	242.4	244.4	247.3	250.0	253.7	255.0	255.9	256.3	255.8	254.5	252.0
52.5°	239.9	241.9	245.0	247.6	251.3	252.8	253.5	253.9	253.5	252.1	249.5
53°	237.6	239.6	242.6	245.5	248.9	250.4	251.1	251.5	251.1	249.8	247.2
53.5°	235.2	237.2	240.3	243.1	246.6	248.0	248.8	249.2	248.7	247.3	244.9
54°	232.7	234.7	237.8	240.8	244.4	245.6	246.4	246.7	246.5	245.1	242.3
54.5°	230.2	232.3	235.4	238.4	242.0	243.4	244.1	244.5	244.3	242.8	240.1
55°	227.9	229.9	233.0	236.1	239.7	241.1	241.8	242.2	241.7	240.5	237.8
55.5°	225.4	227.4	230.6	233.6	237.2	238.8	239.5	239.8	239.4	238.0	235.4
56°	222.9	225.0	228.1	231.1	234.8	236.1	236.8	237.3	237.1	235.6	233.0
56.5°	220.6	222.6	225.8	228.7	232.6	233.9	234.5	234.9	234.5	233.2	230.6
57°	218.2	220.1	223.3	226.3	230.2	231.4	232.1	232.5	232.2	230.9	228.2
57.5°	215.5	217.6	220.8	224.2	227.8	229.2	229.6	230.1	229.8	228.5	225.6
58°	213.3	215.4	218.6	221.4	225.3	226.6	227.2	227.7	227.3	226.2	223.3
58.5°	210.8	212.8	216.0	219.1	222.9	224.2	224.8	225.3	225.0	223.6	220.6
59°	208.3	210.5	213.7	216.7	220.6	221.7	222.3	222.9	222.5	221.3	218.3
59.5°	205.9	208.0	211.1	214.3	218.2	219.5	219.8	220.4	220.2	218.8	215.8
60°	203.5	205.6	208.8	211.9	215.8	217.0	217.5	218.0	217.7	216.4	213.6
60.5°	201.1	203.1	206.3	209.4	213.3	214.5	215.0	215.5	215.2	213.9	211.0
61°	198.8	200.9	203.9	207.0	210.9	212.0	212.5	213.1	212.8	211.5	208.6
61.5°	196.4	198.4	201.6	204.8	208.4	209.5	210.0	210.6	210.4	208.9	206.2
62°	193.9	195.9	199.2	202.5	206.1	207.2	207.6	208.2	208.0	206.6	203.8
62.5°	191.4	193.4	196.7	200.0	203.6	204.8	205.2	205.7	205.6	204.1	201.7
63°	189.0	191.0	194.2	197.5	201.4	202.4	202.7	203.2	203.2	201.8	199.0
63.5°	186.5	188.5	191.9	195.1	199.0	200.0	200.5	200.9	200.7	199.4	196.6
64°	184.0	186.0	189.3	192.7	196.6	197.7	198.0	198.6	198.4	196.9	194.1
64.5°	181.6	183.7	186.9	190.2	194.1	195.3	195.6	196.1	196.0	194.6	191.6
65°	179.1	181.2	184.4	187.8	191.7	192.8	193.1	193.7	193.6	192.2	189.2
65.5°	176.8	178.8	182.0	185.3	189.4	190.3	190.7	191.2	191.1	189.7	186.8
66°	174.3	176.2	179.5	182.8	186.9	187.9	188.2	188.7	188.7	187.1	184.3
66.5°	171.9	173.9	177.1	180.5	184.5	185.5	185.7	186.3	186.2	184.7	181.8
67°	169.6	171.4	174.7	178.2	182.1	183.1	183.3	183.9	183.7	182.4	179.5





TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	167.0	169.1	172.2	175.6	179.8	180.7	181.0	181.5	181.3	180.0	177.3
68°	164.7	166.6	170.0	173.2	177.3	178.2	178.6	179.1	179.0	177.5	174.5
68.5°	162.4	164.4	167.6	170.8	174.8	175.8	176.1	176.5	176.5	175.1	172.1
69°	160.0	161.9	165.2	168.5	172.5	173.5	173.7	174.2	174.0	172.6	169.8
69.5°	157.8	159.7	162.8	166.1	170.1	171.0	171.3	171.7	171.6	170.3	167.2
70°	155.4	157.5	160.4	163.8	167.7	168.6	169.0	169.4	169.3	167.8	164.9
70.5°	153.1	155.0	158.2	161.4	165.3	166.3	166.5	167.0	166.9	165.5	162.6
71°	150.9	152.7	155.9	159.2	163.0	163.8	164.1	164.6	164.5	163.1	160.2
71.5°	148.5	150.5	153.6	156.9	161.0	161.5	161.7	162.2	162.1	160.7	158.1
72°	146.3	148.2	151.3	154.6	158.5	159.2	159.4	159.8	159.7	158.4	155.3
72.5°	144.0	145.9	149.2	152.2	155.3	157.1	157.2	157.7	157.7	156.1	153.2
73°	141.7	143.6	146.8	150.0	153.5	154.7	154.8	155.3	155.2	153.8	151.1
73.5°	139.5	141.5	144.5	147.7	151.4	152.5	152.6	153.0	152.8	151.5	148.7
74°	137.3	139.2	142.2	145.5	149.2	150.2	150.3	150.8	150.6	149.1	146.4
74.5°	135.1	137.2	140.0	143.2	147.1	147.8	147.9	148.5	148.4	146.9	144.1
75°	132.9	134.8	137.8	140.9	144.8	145.7	145.7	146.1	146.0	144.5	141.8
75.5°	130.8	132.7	135.6	138.7	142.5	143.4	143.4	143.9	143.7	142.3	139.5
76°	128.7	130.4	133.3	136.6	140.3	141.1	141.3	141.6	141.5	140.2	137.1
76.5°	126.6	128.4	131.3	134.4	138.0	138.9	139.0	139.5	139.2	137.8	135.1
77°	124.5	126.3	129.0	132.2	136.1	136.7	136.8	137.2	137.1	135.6	132.8
77.5°	122.4	124.1	127.0	130.2	133.8	134.5	134.7	135.1	134.8	133.4	130.9
78°	120.3	122.0	125.0	128.0	131.5	132.4	132.5	132.7	132.6	131.2	128.5
78.5°	118.3	120.0	122.8	125.9	129.5	130.2	130.3	130.8	130.6	129.1	126.6
79°	116.4	118.0	120.9	123.8	127.3	128.0	128.2	128.5	128.3	126.8	124.3
79.5°	114.6	116.1	118.7	121.8	125.1	125.9	126.1	126.4	126.2	124.6	122.3
80°	112.5	114.2	116.7	119.7	123.1	123.9	123.9	124.4	124.1	122.6	120.3
80.5°	110.6	112.3	114.9	117.7	121.0	121.8	121.9	122.3	122.0	120.4	118.0
81°	108.7	110.4	113.1	115.9	118.9	119.8	119.9	120.2	120.0	118.3	115.9
81.5°	106.7	108.4	111.0	114.0	116.9	117.7	117.8	118.1	117.7	116.3	114.3
82°	104.9	106.5	109.1	111.8	115.0	115.6	115.8	116.0	115.8	114.5	112.2
82.5°	103.1	104.7	107.1	110.0	113.1	113.8	114.1	114.4	114.0	112.5	110.3
83°	101.2	102.9	105.3	108.0	111.1	111.9	112.0	112.3	111.9	110.5	108.2
83.5°	99.3	101.0	103.4	106.1	109.2	110.0	110.1	110.4	110.0	108.6	106.3
84°	97.5	99.3	101.5	104.2	107.2	108.0	108.0	108.3	108.0	106.5	104.3
84.5°	95.7	97.4	99.8	102.4	105.3	106.0	106.1	106.5	106.0	104.6	102.4
85°	94.0	95.6	98.0	100.5	103.4	104.1	104.2	104.5	104.1	102.6	100.4
85.5°	92.3	94.0	96.2	98.9	101.5	102.3	102.4	102.7	102.2	100.7	98.6
86°	90.7	92.2	94.4	97.0	99.7	100.4	100.5	100.8	100.3	98.9	96.7
86.5°	89.0	90.5	92.8	95.2	97.9	98.5	98.8	98.9	98.4	97.0	95.1
87°	87.3	88.8	90.9	93.6	96.0	96.8	96.8	97.1	96.7	95.1	93.1
87.5°	85.8	87.3	89.2	91.8	94.2	94.9	95.1	95.4	94.7	93.3	91.4
88°	84.2	85.7	87.7	90.1	92.6	93.2	93.3	93.5	93.0	91.5	89.6
88.5°	82.6	84.0	86.1	88.4	90.7	91.4	91.6	91.8	91.3	89.8	87.8
89°	81.0	82.5	84.5	86.7	89.0	89.7	89.8	90.0	89.6	88.1	86.3
89.5°	79.5	80.9	83.0	85.2	87.4	88.1	88.1	88.4	87.9	86.4	84.6



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	78.0	79.3	81.4	83.5	85.8	86.3	86.4	86.6	86.2	84.8	82.8
90.5°	76.5	78.0	79.9	81.9	84.0	84.7	84.8	85.0	84.5	83.1	81.3
91°	75.0	76.4	78.4	80.5	82.4	83.1	83.3	83.5	82.9	81.7	79.6
91.5°	73.6	75.0	76.9	78.9	80.8	81.4	81.6	81.9	81.2	79.5	77.8
92°	72.3	73.6	75.4	77.5	79.3	79.8	80.0	80.2	79.6	78.3	76.7
92.5°	71.0	72.3	74.0	76.0	77.7	78.2	78.3	78.6	78.1	76.7	75.2
93°	69.8	71.0	72.7	74.5	76.2	76.7	77.0	77.1	76.6	75.2	73.5
93.5°	68.3	69.6	71.4	73.1	74.8	75.3	75.4	75.6	75.1	73.9	72.1
94°	67.0	68.4	70.0	71.9	73.3	73.8	73.9	74.1	73.5	72.4	71.1
94.5°	65.7	67.1	68.7	70.6	71.9	72.4	72.6	72.7	72.2	71.3	69.4
95°	64.5	65.9	67.4	69.1	70.6	71.3	71.3	71.3	70.9	69.8	68.1
95.5°	63.2	64.6	66.4	67.9	69.1	69.7	69.8	69.8	69.6	68.2	66.8
96°	62.0	63.3	65.0	66.6	67.7	68.3	68.5	68.6	68.1	66.9	65.6
96.5°	61.0	62.2	63.6	65.3	66.6	67.1	67.1	67.1	66.7	65.7	64.3
97°	59.8	61.0	62.6	64.0	65.5	65.7	65.9	65.9	65.7	64.4	62.8
97.5°	58.6	59.9	61.3	62.7	64.1	64.4	64.5	64.3	64.2	62.9	61.6
98°	57.6	58.7	60.2	61.6	62.7	63.1	63.2	63.2	62.9	61.7	60.3
98.5°	56.4	57.7	59.1	60.4	61.6	61.8	62.0	62.0	61.6	60.5	59.0
99°	55.4	56.6	57.9	59.3	60.3	60.6	60.7	60.8	60.4	59.3	57.9
99.5°	54.4	55.5	56.8	58.1	59.0	59.5	59.8	59.6	59.2	58.4	56.7
100°	53.4	54.5	55.8	57.1	58.0	58.7	58.4	58.3	58.1	57.0	55.6
100.5°	52.4	53.5	54.8	56.0	56.7	57.2	57.1	57.5	56.9	55.9	54.7
101°	51.4	52.4	53.7	54.9	55.7	56.2	55.8	56.2	56.0	54.9	53.5
101.5°	50.5	51.6	52.7	53.9	54.7	55.0	55.0	55.0	54.8	54.0	52.5
102°	49.5	50.5	51.8	52.9	53.7	53.9	54.1	53.9	53.6	52.7	51.3
102.5°	48.5	49.6	50.8	52.0	52.4	52.9	52.7	53.2	52.5	51.8	50.6
103°	47.7	49.0	49.7	50.9	51.5	52.0	52.0	51.9	51.5	50.8	49.6
103.5°	46.9	48.0	49.0	50.1	50.8	51.0	50.9	51.2	50.6	49.6	48.5
104°	46.1	47.2	48.3	49.2	49.6	50.0	50.0	50.2	49.7	48.6	47.9
104.5°	45.3	46.4	47.4	48.2	48.7	49.6	49.5	49.3	49.3	47.7	46.8
105°	44.5	45.6	46.5	47.4	48.0	48.2	48.2	48.2	47.8	47.0	45.9
105.5°	43.8	45.0	45.8	46.5	47.0	47.3	47.3	47.1	46.9	46.1	45.0
106°	43.1	44.0	45.0	45.8	46.2	46.7	46.6	46.4	46.0	45.4	44.5
106.5°	42.3	43.4	44.4	45.2	45.3	45.7	45.8	45.5	45.3	44.5	43.7
107°	41.6	42.7	43.7	44.3	44.6	44.5	45.0	44.7	44.5	43.9	42.7
107.5°	41.1	42.0	42.8	43.6	44.0	44.2	44.2	44.0	43.8	42.9	41.9
108°	40.4	41.2	42.2	42.8	42.9	43.3	43.4	43.3	42.9	42.2	41.2
108.5°	39.8	40.6	41.5	42.1	42.3	42.6	42.6	42.7	42.2	41.7	40.6
109°	39.3	39.9	40.8	41.5	41.4	41.9	41.9	41.8	41.7	41.1	40.2
109.5°	38.6	39.4	40.2	40.8	40.8	41.3	41.3	41.2	41.0	40.1	39.1
110°	38.1	38.7	39.7	40.2	40.1	40.5	40.6	40.4	40.0	39.3	38.4
110.5°	37.6	38.1	39.0	39.6	39.4	39.8	40.1	39.8	39.3	38.7	37.9
111°	37.0	37.6	38.5	39.1	38.8	39.2	39.3	39.1	38.8	38.3	37.3
111.5°	36.5	37.1	37.9	38.5	38.3	38.7	38.6	38.7	38.3	37.5	36.6
112°	36.0	36.6	37.3	38.0	37.7	38.1	38.1	37.9	37.7	37.2	36.1



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	35.6	36.0	36.9	37.4	37.3	37.5	37.5	37.3	37.2	36.4	35.6
113°	35.1	35.5	36.4	36.9	36.5	37.3	37.2	36.8	36.5	35.9	34.9
113.5°	34.7	35.0	35.8	36.3	35.9	36.3	36.4	36.2	36.0	35.3	34.6
114°	34.3	34.6	35.4	35.9	35.5	36.0	35.9	35.8	35.5	34.8	34.0
114.5°	33.9	34.2	34.9	35.4	35.0	35.3	35.3	35.1	34.9	34.4	33.4
115°	33.4	33.7	34.6	34.9	34.6	34.7	34.9	34.7	34.6	33.8	33.4
115.5°	33.0	33.3	34.1	34.6	34.0	34.6	34.5	34.4	34.0	33.3	32.8
116°	32.6	32.9	33.8	34.2	33.7	33.8	34.0	33.7	33.6	33.2	32.0
116.5°	32.2	32.6	33.3	33.7	33.4	33.5	33.6	33.4	33.3	32.5	31.9
117°	31.8	32.1	32.9	33.4	33.0	33.4	33.4	33.3	32.7	32.1	31.2
117.5°	31.6	31.8	32.5	32.9	32.3	33.0	32.9	32.4	32.2	31.8	30.8
118°	31.2	31.5	32.1	32.6	31.9	32.2	32.3	32.0	31.8	31.4	30.6
118.5°	30.9	31.0	31.8	32.3	31.7	31.9	31.9	31.8	31.7	30.9	30.3
119°	30.5	30.7	31.5	31.8	31.1	31.8	31.7	31.2	31.1	30.6	29.7
119.5°	30.3	30.4	31.2	31.6	30.8	31.2	31.2	30.9	30.7	30.4	29.5
120°	30.0	30.1	30.8	31.2	30.5	30.7	30.8	30.6	30.4	30.1	29.2
120.5°	29.7	29.9	30.5	30.9	30.3	30.6	30.6	30.4	30.3	29.7	29.0
121°	29.5	29.6	30.2	30.6	29.9	30.4	30.3	29.9	29.7	29.3	28.5
121.5°	29.3	29.3	30.1	30.2	29.5	29.8	29.8	29.6	29.4	29.2	28.2
122°	29.3	29.3	29.8	30.1	29.3	29.5	29.5	29.4	29.3	29.3	28.2
122.5°	29.2	29.2	29.6	29.9	29.2	29.3	29.2	29.0	29.1	28.5	27.9
123°	29.1	29.0	29.5	29.6	28.9	29.1	29.2	29.0	28.5	28.2	27.9
123.5°	28.9	28.7	29.4	29.4	28.5	28.9	28.8	28.5	28.2	28.2	27.4
124°	28.7	28.7	29.2	29.5	28.3	28.5	28.5	28.3	28.2	28.1	27.3
124.5°	28.7	28.5	29.0	29.4	28.2	28.3	28.3	28.2	28.1	28.0	27.1
125°	28.7	28.2	29.0	29.1	28.1	28.2	28.2	28.1	27.9	27.7	26.8
125.5°	28.5	28.2	28.7	29.0	28.0	28.2	28.1	27.9	27.8	27.4	26.7
126°	28.3	28.0	28.6	28.9	28.1	28.0	28.1	27.9	27.5	27.2	26.6
126.5°	28.2	28.0	28.5	28.9	27.9	28.0	28.0	27.5	27.3	27.1	26.6
127°	28.2	27.7	28.4	28.6	27.9	27.9	27.9	27.5	27.3	27.1	26.7
127.5°	28.0	27.7	28.3	28.6	27.9	27.9	27.8	27.5	27.3	27.1	26.5
128°	28.0	27.7	28.1	28.5	27.9	27.9	27.7	27.4	27.2	27.1	26.5
128.5°	28.0	27.7	28.1	28.4	27.9	27.9	27.7	27.4	27.2	27.1	26.5
129°	27.9	27.6	28.1	28.4	27.9	27.9	27.7	27.4	27.2	27.1	26.5
129.5°	27.9	27.6	28.1	28.3	27.9	27.9	27.7	27.4	27.2	27.1	26.5
130°	27.9	27.6	27.9	28.3	27.9	27.9	27.7	27.4	27.2	27.1	26.5
130.5°	27.9	27.6	27.9	28.2	27.9	27.9	27.7	27.4	27.2	27.1	26.5
131°	27.9	27.6	27.9	28.2	27.9	27.9	27.7	27.4	27.2	27.1	26.5
131.5°	27.8	27.6	27.9	28.2	27.9	27.9	27.7	27.4	27.2	27.1	26.5
132°	27.8	27.6	27.9	28.2	27.9	27.9	27.7	27.5	27.2	27.1	26.5
132.5°	27.8	27.6	27.9	28.2	27.9	27.9	27.7	27.5	27.2	27.1	26.5
133°	27.8	27.6	27.9	28.2	27.9	27.9	27.7	27.5	27.2	27.1	26.5
133.5°	27.8	27.6	27.9	28.2	27.9	27.9	27.7	27.6	27.2	27.1	26.7
134°	27.8	27.7	27.9	28.2	28.0	28.0	27.8	27.6	27.2	27.1	26.7
134.5°	27.8	27.7	27.9	28.2	28.0	28.0	27.9	27.6	27.4	27.3	26.7



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	27.8	27.9	27.9	28.2	28.1	28.1	27.9	27.7	27.3	27.4	26.7
135.5°	27.9	27.9	27.9	28.2	28.3	28.1	27.9	27.7	27.5	27.3	26.8
136°	27.8	28.0	28.0	28.2	28.4	28.2	28.1	27.8	27.5	27.4	26.9
136.5°	27.8	28.0	28.0	28.2	28.4	28.3	28.2	27.8	27.6	27.6	27.0
137°	28.1	28.1	28.1	28.3	28.5	28.4	28.4	27.9	27.6	27.6	27.2
137.5°	28.1	28.2	28.1	28.2	28.5	28.5	28.5	28.1	27.8	27.7	27.3
138°	28.1	28.2	28.2	28.2	28.7	28.6	28.7	28.2	27.9	27.9	27.3
138.5°	28.1	28.3	28.2	28.4	28.9	28.8	28.7	28.4	28.1	28.0	27.6
139°	28.2	28.5	28.3	28.5	29.0	29.0	28.8	28.4	28.2	28.2	27.7
139.5°	28.2	28.7	28.4	28.8	29.1	29.0	29.0	28.6	28.3	28.2	27.8
140°	28.4	29.1	28.6	29.1	29.3	29.2	29.1	28.8	28.4	28.3	28.0
140.5°	28.6	29.1	29.1	29.3	29.4	29.3	29.1	28.9	28.7	28.6	28.2
141°	29.2	29.1	29.2	29.3	29.4	29.3	29.3	29.1	28.8	28.6	28.3
141.5°	29.3	29.3	29.3	29.3	29.6	29.5	29.3	29.2	29.0	28.8	28.3
142°	29.3	29.5	29.3	29.4	29.6	29.5	29.4	29.4	29.2	29.0	28.5
142.5°	29.4	29.7	29.3	29.6	29.9	29.6	29.5	29.5	29.3	29.1	28.6
143°	29.7	30.3	29.3	29.6	30.1	29.8	29.6	29.5	29.4	29.3	28.7
143.5°	29.8	30.4	29.5	29.9	30.2	30.0	29.8	29.7	29.5	29.3	28.9
144°	30.4	30.5	29.6	30.1	30.4	30.1	30.0	29.9	29.7	29.4	29.0
144.5°	30.4	30.6	29.9	30.5	30.6	30.3	30.1	30.0	29.9	29.6	29.2
145°	30.4	30.9	30.2	30.5	30.8	30.5	30.3	30.2	30.0	29.8	29.3
145.5°	30.7	31.1	30.6	30.7	31.1	30.7	30.4	30.3	30.3	29.9	29.4
146°	30.9	31.5	30.5	30.7	31.2	30.9	30.7	30.6	30.5	30.0	29.5
146.5°	31.0	31.9	30.6	30.9	31.4	31.1	30.8	30.7	30.6	30.2	29.5
147°	31.2	31.9	30.8	31.1	31.5	31.4	31.1	30.9	30.7	30.4	29.7
147.5°	31.7	31.8	30.9	31.1	31.7	31.5	31.2	31.2	30.8	30.4	29.8
148°	31.8	32.0	31.0	31.2	31.8	31.8	31.3	31.2	31.0	30.4	29.9
148.5°	32.1	31.9	31.0	31.6	32.0	31.8	31.3	31.2	31.1	30.6	29.8
149°	32.1	32.1	31.1	31.6	32.2	32.0	31.3	31.2	31.1	30.6	29.8
149.5°	32.1	32.1	31.3	31.8	32.2	32.0	31.3	31.2	31.1	30.7	29.8
150°	32.2	32.2	31.6	31.8	32.2	32.0	31.3	31.2	31.1	30.7	29.8
150.5°	32.2	32.5	31.8	32.0	32.2	32.0	31.3	31.2	31.1	30.6	29.8
151°	32.3	32.6	31.9	32.0	32.2	32.0	31.3	31.2	31.1	30.6	29.8
151.5°	32.3	32.7	32.0	32.0	32.2	32.0	31.2	31.2	31.2	30.5	29.8
152°	32.3	32.7	32.1	32.0	32.3	32.1	31.2	31.2	31.2	30.5	29.8
152.5°	32.3	32.7	32.1	32.1	32.3	32.0	31.2	31.2	31.1	30.5	29.8
153°	32.3	32.7	32.0	32.1	32.1	32.0	31.2	31.1	31.0	30.5	29.9
153.5°	32.3	32.7	32.1	32.2	32.1	31.8	31.2	31.0	30.9	30.5	29.9
154°	32.3	32.7	32.1	32.1	31.8	31.7	31.2	31.0	30.9	30.5	29.7
154.5°	32.3	32.6	31.8	32.0	31.7	31.4	31.1	30.8	30.6	30.4	29.7
155°	32.3	32.6	31.8	31.9	31.4	31.3	30.9	30.6	30.6	30.4	29.5
155.5°	32.4	32.3	31.7	31.7	31.1	31.2	30.9	30.7	30.6	30.3	29.5
156°	32.4	32.2	31.5	31.7	30.9	30.9	30.7	30.6	30.5	29.9	29.4
156.5°	32.3	32.1	31.4	31.5	30.7	30.7	30.6	30.6	30.5	29.8	29.4
157°	32.1	32.0	31.2	31.3	30.7	30.7	30.6	30.6	30.5	29.7	29.2



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	32.0	31.9	31.2	31.3	30.7	30.7	30.6	30.5	30.5	29.6	29.2
158°	32.0	31.7	31.0	31.2	30.6	30.7	30.6	30.5	30.2	29.5	29.2
158.5°	31.9	31.5	31.0	30.9	30.5	30.6	30.4	30.3	29.9	29.4	29.1
159°	31.6	31.5	30.8	30.8	30.3	30.4	30.0	30.1	29.8	29.3	28.9
159.5°	31.5	31.1	30.7	30.6	29.9	30.1	29.8	29.8	29.7	29.3	28.4
160°	31.5	31.1	30.6	30.4	29.9	29.9	29.6	29.8	29.6	29.2	28.4
160.5°	31.4	31.0	30.4	30.3	29.5	29.7	29.5	29.7	29.5	28.8	28.3
161°	31.2	30.9	30.3	30.1	29.4	29.5	29.5	29.6	29.3	28.5	28.3
161.5°	30.9	30.7	30.1	30.0	29.3	29.3	29.2	29.4	29.3	28.5	28.1
162°	30.7	30.6	29.9	29.7	29.4	29.1	29.2	29.3	29.2	28.4	28.0
162.5°	30.5	30.3	29.8	29.6	29.1	29.2	29.2	29.4	29.0	28.2	27.9
163°	30.3	30.1	29.5	29.5	28.6	28.9	29.0	29.4	28.6	28.2	28.0
163.5°	29.9	29.9	29.5	29.4	28.4	28.5	28.9	29.2	28.3	28.1	27.9
164°	29.7	29.6	29.5	29.4	28.3	28.3	28.7	28.9	28.2	28.0	27.7
164.5°	29.5	29.3	29.4	29.3	28.2	28.2	28.5	28.5	28.1	27.9	27.4
165°	29.4	29.3	29.3	29.3	28.1	28.2	28.3	28.3	28.1	27.5	27.3
165.5°	29.3	29.2	29.2	29.0	28.0	28.0	28.2	28.3	28.1	27.3	27.2
166°	29.1	29.0	29.1	29.0	27.9	28.0	28.2	28.3	27.9	27.2	27.2
166.5°	28.8	28.9	29.0	28.8	28.0	28.0	28.1	28.1	27.3	27.0	27.0
167°	28.7	28.7	28.6	28.5	27.9	27.8	27.9	28.1	27.2	26.9	26.9
167.5°	28.4	28.6	28.4	28.4	27.4	27.4	27.7	28.1	27.0	26.7	26.7
168°	28.2	28.3	28.3	28.1	27.3	27.3	27.3	27.9	26.7	26.5	26.6
168.5°	28.0	28.2	28.0	27.8	27.2	27.1	27.0	27.6	26.4	26.5	26.5
169°	27.8	27.9	27.8	27.6	27.0	27.0	26.8	27.0	26.5	26.5	26.5
169.5°	27.7	27.7	27.7	27.4	26.7	26.7	26.5	26.6	25.9	26.2	26.1
170°	27.4	27.5	27.4	27.3	26.7	26.6	26.5	26.4	25.6	25.7	25.7
170.5°	27.2	27.2	27.2	27.0	26.6	26.6	26.4	25.7	25.4	25.5	25.5
171°	27.0	27.1	27.0	26.8	26.7	26.6	25.8	25.4	25.2	25.4	25.4
171.5°	26.6	26.9	26.8	26.6	26.3	26.2	25.7	25.0	25.0	25.2	25.1
172°	26.4	26.5	26.4	26.3	25.8	25.8	25.4	24.5	24.8	25.0	25.0
172.5°	26.0	26.2	26.1	26.0	25.4	25.6	25.0	24.1	24.3	24.7	24.8
173°	25.6	25.6	25.6	25.5	25.0	25.1	24.4	23.9	23.8	24.1	24.3
173.5°	25.1	25.4	25.1	25.1	24.7	24.9	24.1	23.9	23.7	24.1	24.3
174°	25.1	25.3	25.1	25.2	24.6	24.9	24.1	24.0	23.7	24.1	24.4
174.5°	26.7	27.3	27.2	26.8	25.3	25.0	24.4	24.2	24.0	24.4	24.8
175°	28.1	28.6	28.5	28.3	27.2	26.5	26.1	26.1	25.9	26.2	26.6
175.5°	28.7	29.3	29.3	29.1	29.0	28.5	28.1	28.2	28.1	28.1	28.7
176°	29.2	29.7	29.7	29.3	29.6	29.4	29.2	29.3	29.2	29.2	29.5
176.5°	29.5	30.3	30.2	29.7	30.1	30.0	29.7	29.8	29.7	29.6	30.2
177°	30.4	30.4	30.5	30.6	30.6	30.5	30.3	30.4	30.4	30.3	30.7
177.5°	30.6	30.7	31.0	30.7	31.2	31.1	31.0	31.1	31.0	30.9	31.2
178°	30.9	30.9	31.2	31.0	31.2	31.2	31.2	31.1	31.5	31.5	31.6
178.5°	31.0	31.1	31.2	31.0	31.2	31.2	31.2	31.1	31.5	31.5	31.6
179°	31.2	31.2	31.2	31.3	31.2	31.2	31.2	31.1	31.4	31.5	31.5
179.5°	31.5	31.4	31.2	31.7	31.2	31.2	31.2	31.1	31.4	31.5	31.6



TEST NUMBER: P601037  
CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	392.6	392.6	392.6	392.6	392.6	392.6
0.5°	392.6	392.6	392.6	392.6	392.6	392.5
1°	392.4	392.6	392.6	392.6	392.6	392.4
1.5°	392.4	392.6	392.6	392.6	392.6	392.4
2°	392.2	392.6	392.6	392.6	392.6	392.2
2.5°	392.2	392.6	392.4	392.4	392.2	392.0
3°	392.0	392.4	392.2	392.1	392.1	391.6
3.5°	392.0	392.2	391.8	391.9	391.8	391.4
4°	391.8	392.0	391.6	391.5	391.4	391.1
4.5°	391.5	391.7	391.4	391.1	391.0	390.9
5°	391.0	391.4	391.0	390.8	390.8	390.4
5.5°	390.8	390.9	390.7	390.4	390.3	389.7
6°	390.4	390.6	390.4	390.0	389.9	389.5
6.5°	390.2	390.2	389.7	389.5	389.4	389.3
7°	389.8	389.8	389.5	389.0	388.9	388.6
7.5°	389.2	389.3	389.0	388.6	388.4	387.8
8°	388.9	388.7	388.4	388.0	387.9	387.5
8.5°	388.3	388.3	387.8	387.5	387.3	387.0
9°	387.9	387.7	387.3	386.8	386.8	386.6
9.5°	387.3	387.1	386.5	386.2	386.1	386.0
10°	386.8	386.6	385.9	385.5	385.5	385.2
10.5°	386.2	386.0	385.4	384.8	384.8	384.5
11°	385.6	385.2	384.6	384.2	384.0	383.8
11.5°	385.0	384.5	383.8	383.4	383.4	383.0
12°	384.3	383.8	383.0	382.6	382.5	382.2
12.5°	383.6	383.0	382.3	381.8	381.6	381.5
13°	382.8	382.2	381.5	381.0	380.9	380.9
13.5°	382.1	381.4	380.6	380.2	379.9	379.8
14°	381.3	380.6	379.8	379.2	379.1	378.9
14.5°	380.5	379.8	378.8	378.3	378.3	378.2
15°	379.7	378.8	378.0	377.4	377.3	377.5
15.5°	378.7	377.8	377.2	376.7	376.5	376.4
16°	377.9	377.0	376.0	375.7	375.6	375.4
16.5°	376.8	376.1	375.3	374.5	374.6	374.5
17°	376.1	375.2	374.3	373.5	373.4	373.2
17.5°	375.3	374.0	373.2	372.3	372.3	372.1
18°	374.2	373.0	372.0	371.3	371.3	371.1
18.5°	373.2	371.8	371.0	370.3	370.1	369.9
19°	372.0	370.6	369.6	369.1	369.0	368.8
19.5°	371.1	369.5	368.6	367.9	367.7	367.6
20°	370.0	368.4	367.4	366.7	366.5	366.6
20.5°	368.8	367.1	366.1	365.5	365.2	365.3
21°	367.4	365.8	364.9	364.2	364.1	364.0
21.5°	366.3	364.6	363.5	362.8	362.6	362.7
22°	365.0	363.2	362.2	361.5	361.3	361.3



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	363.6	362.0	360.8	360.2	360.0	359.9
23°	362.4	360.7	359.5	358.8	358.5	358.6
23.5°	361.0	359.3	358.1	357.4	357.1	357.2
24°	359.6	357.9	356.7	355.9	355.6	355.8
24.5°	358.2	356.5	355.2	354.5	354.3	354.3
25°	356.9	355.0	353.7	353.0	352.7	352.8
25.5°	355.5	353.5	352.2	351.5	351.1	351.2
26°	354.0	351.9	350.8	349.9	349.6	349.6
26.5°	352.6	350.5	349.3	348.3	348.1	348.2
27°	351.0	348.8	347.5	346.8	346.4	346.5
27.5°	349.3	347.2	345.9	345.1	344.7	345.0
28°	347.9	345.6	344.3	343.4	343.3	343.4
28.5°	346.2	344.0	342.6	341.7	341.5	341.7
29°	344.6	342.3	341.0	340.1	339.5	339.8
29.5°	343.0	340.5	338.8	338.4	337.8	338.3
30°	341.2	338.8	337.5	336.7	336.2	336.3
30.5°	339.5	337.1	335.4	335.0	334.5	334.7
31°	337.8	335.3	334.1	333.2	332.8	333.1
31.5°	336.1	333.6	332.1	331.2	331.2	331.2
32°	334.3	331.9	330.5	329.6	329.4	329.5
32.5°	332.7	330.1	328.6	327.5	327.5	327.6
33°	330.9	328.2	326.6	325.9	325.3	325.7
33.5°	328.9	326.3	324.7	323.8	323.5	323.8
34°	327.1	324.4	322.7	321.9	321.5	321.8
34.5°	325.3	322.4	320.8	319.9	319.5	319.9
35°	323.2	320.6	318.8	317.8	317.7	317.9
35.5°	321.4	318.4	316.9	315.9	315.6	315.9
36°	319.4	316.5	315.0	313.8	313.6	313.9
36.5°	317.4	314.4	312.8	311.8	311.6	311.8
37°	315.5	312.5	310.8	309.8	309.6	309.7
37.5°	313.3	310.3	308.7	307.7	307.5	307.6
38°	311.5	308.2	306.6	305.7	305.3	305.6
38.5°	309.2	306.1	304.5	303.5	303.2	303.4
39°	307.3	304.0	302.3	301.4	301.1	301.4
39.5°	305.1	301.8	300.3	299.3	298.9	299.3
40°	303.0	299.6	298.1	297.1	296.9	297.1
40.5°	300.7	297.5	295.9	295.0	294.7	294.9
41°	298.7	295.3	293.9	292.7	292.5	292.7
41.5°	296.6	293.1	291.5	290.5	290.2	290.6
42°	294.3	291.0	289.5	288.4	288.1	288.5
42.5°	292.1	288.9	287.3	286.2	285.8	286.3
43°	289.9	286.7	285.0	284.1	284.0	284.0
43.5°	288.0	284.4	282.8	281.7	281.5	281.8
44°	285.7	282.2	280.4	279.4	279.2	279.6
44.5°	283.5	279.8	278.2	277.2	277.0	277.1





TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	281.3	277.6	275.9	275.0	274.6	275.0
45.5°	279.0	275.4	273.6	272.6	272.3	272.8
46°	276.8	273.2	271.4	270.2	270.0	270.5
46.5°	274.5	270.7	269.1	268.1	267.7	268.1
47°	272.2	268.3	266.7	265.8	265.3	265.7
47.5°	269.9	266.0	264.3	263.4	263.0	263.5
48°	267.6	263.7	262.0	261.1	260.6	261.2
48.5°	265.2	261.4	259.6	258.7	258.4	258.8
49°	263.0	259.0	257.2	256.3	255.9	256.4
49.5°	260.6	256.6	254.9	253.8	253.6	254.0
50°	258.3	254.3	252.5	251.6	251.2	251.7
50.5°	256.0	251.9	250.2	249.1	248.9	249.3
51°	253.5	249.5	247.8	246.9	246.5	247.0
51.5°	251.2	247.2	245.7	244.5	244.2	244.7
52°	248.9	245.0	243.2	242.2	241.8	242.4
52.5°	246.3	242.5	240.8	239.8	239.5	239.9
53°	244.2	240.2	238.5	237.4	237.1	237.6
53.5°	241.8	237.7	235.9	235.0	234.7	235.2
54°	239.5	235.4	233.7	232.5	232.2	232.7
54.5°	237.1	232.9	231.2	230.2	229.8	230.2
55°	234.6	230.6	228.7	227.8	227.3	227.9
55.5°	232.1	228.1	226.3	225.3	224.9	225.4
56°	229.8	225.8	224.1	222.9	222.4	222.9
56.5°	227.4	223.2	221.5	220.3	220.0	220.6
57°	224.8	220.7	219.0	217.9	217.7	218.2
57.5°	222.3	218.3	216.4	215.4	215.1	215.5
58°	219.8	215.9	214.1	213.1	212.6	213.3
58.5°	217.5	213.5	211.7	210.6	210.2	210.8
59°	215.0	210.9	209.2	208.1	207.9	208.3
59.5°	212.6	208.5	206.8	205.6	205.3	205.9
60°	210.1	206.1	204.3	203.4	203.1	203.5
60.5°	207.5	203.6	202.0	201.0	200.5	201.1
61°	205.2	201.4	199.7	198.5	198.1	198.8
61.5°	202.7	198.9	197.2	196.0	195.6	196.4
62°	200.5	196.5	194.7	193.5	193.2	193.9
62.5°	198.1	194.1	192.1	191.1	190.7	191.4
63°	195.6	191.6	189.7	188.6	188.4	189.0
63.5°	193.2	189.2	187.3	186.1	185.9	186.5
64°	190.7	186.7	184.7	183.7	183.3	184.0
64.5°	188.2	184.3	182.3	181.2	180.9	181.6
65°	185.8	181.8	179.8	178.8	178.5	179.1
65.5°	183.3	179.3	177.4	176.4	176.0	176.8
66°	180.9	176.8	175.0	174.0	173.5	174.3
66.5°	178.4	174.4	172.6	171.5	171.3	171.9
67°	176.0	172.1	170.2	169.1	168.9	169.6



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	173.8	169.7	167.7	166.7	166.4	167.0
68°	171.2	167.2	165.4	164.3	164.1	164.7
68.5°	168.8	164.8	162.9	162.0	161.7	162.4
69°	166.5	162.4	160.6	159.6	159.4	160.0
69.5°	164.1	160.2	158.4	157.3	157.1	157.8
70°	161.7	157.9	155.9	154.9	154.8	155.4
70.5°	159.4	155.6	153.7	152.6	152.5	153.1
71°	157.2	153.2	151.3	150.3	150.2	150.9
71.5°	154.9	151.0	149.1	148.0	147.9	148.5
72°	152.5	148.7	146.8	145.7	145.6	146.3
72.5°	150.2	146.4	144.6	143.4	143.3	144.0
73°	147.9	144.1	142.3	141.3	141.1	141.7
73.5°	145.6	141.9	140.1	139.0	138.9	139.5
74°	143.4	139.8	137.8	136.8	136.7	137.3
74.5°	141.2	137.6	135.8	134.7	134.6	135.1
75°	138.8	135.3	133.5	132.4	132.3	132.9
75.5°	136.7	133.3	131.5	130.3	130.1	130.8
76°	134.4	131.1	129.2	128.1	127.9	128.7
76.5°	132.3	128.9	127.0	125.9	125.8	126.6
77°	130.0	126.8	125.0	123.9	123.7	124.5
77.5°	128.1	124.7	122.8	121.8	121.7	122.4
78°	125.9	122.6	120.8	119.7	119.6	120.3
78.5°	123.7	120.5	118.7	117.7	117.6	118.3
79°	121.6	118.5	116.7	115.9	115.9	116.4
79.5°	119.6	116.6	114.9	114.0	113.9	114.6
80°	117.5	114.7	113.0	111.9	111.8	112.5
80.5°	115.7	112.8	111.0	110.0	110.0	110.6
81°	113.7	110.8	109.1	108.0	107.9	108.7
81.5°	111.9	108.8	107.2	106.0	106.2	106.7
82°	109.7	106.9	105.2	104.3	104.2	104.9
82.5°	107.7	105.0	103.4	102.4	102.3	103.1
83°	105.9	103.2	101.5	100.6	100.6	101.2
83.5°	104.1	101.3	99.6	98.7	98.6	99.3
84°	102.1	99.5	97.9	97.0	96.9	97.5
84.5°	100.2	97.7	96.1	95.2	95.2	95.7
85°	98.4	96.0	94.4	93.5	93.5	94.0
85.5°	96.6	94.3	92.7	91.6	91.6	92.3
86°	94.9	92.5	90.9	89.9	89.9	90.7
86.5°	93.1	90.8	89.1	88.3	88.3	89.0
87°	91.3	89.1	87.5	86.7	86.7	87.3
87.5°	89.5	87.5	86.0	85.0	85.0	85.8
88°	88.0	85.9	84.3	83.4	83.4	84.2
88.5°	86.1	84.4	82.7	81.9	81.8	82.6
89°	84.5	82.7	81.1	80.3	80.3	81.0
89.5°	82.9	81.1	79.5	78.8	78.8	79.5



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	81.2	79.5	78.1	77.3	77.3	78.0
90.5°	79.6	78.0	76.6	75.8	75.8	76.5
91°	78.2	76.6	75.2	74.3	74.3	75.0
91.5°	76.6	75.1	73.7	72.9	73.0	73.6
92°	75.0	73.7	72.4	71.7	71.7	72.3
92.5°	73.5	72.4	71.0	70.2	70.5	71.0
93°	72.1	71.0	69.6	68.8	69.0	69.8
93.5°	71.0	69.6	68.3	67.5	67.6	68.3
94°	69.4	68.3	67.0	66.2	66.5	67.0
94.5°	67.8	67.0	65.8	65.1	65.0	65.7
95°	66.7	65.8	64.5	63.8	63.8	64.5
95.5°	65.6	64.5	63.3	62.5	62.5	63.2
96°	64.2	63.2	62.0	61.2	61.3	62.0
96.5°	62.8	62.0	60.9	60.1	60.1	61.0
97°	61.6	60.8	59.8	59.0	59.0	59.8
97.5°	60.3	59.6	58.7	57.8	57.8	58.6
98°	59.2	58.5	57.5	56.7	56.8	57.6
98.5°	58.0	57.4	56.4	55.6	55.7	56.4
99°	56.8	56.3	55.3	54.6	54.6	55.4
99.5°	55.7	55.2	54.3	53.5	53.5	54.4
100°	54.6	54.1	53.2	52.5	52.6	53.4
100.5°	53.5	53.2	52.2	51.5	51.6	52.4
101°	52.7	52.1	51.2	50.6	50.7	51.4
101.5°	51.2	51.2	50.4	49.7	49.7	50.5
102°	50.7	50.3	49.4	48.8	48.8	49.5
102.5°	49.6	49.2	48.5	47.7	48.0	48.5
103°	48.6	48.3	47.6	47.0	47.1	47.7
103.5°	47.5	47.4	46.8	46.3	46.0	46.9
104°	46.8	46.5	45.9	45.5	45.5	46.1
104.5°	45.6	45.7	44.8	44.8	44.8	45.3
105°	45.0	45.0	44.4	44.0	44.1	44.5
105.5°	44.2	44.2	43.7	43.3	43.3	43.8
106°	43.6	43.4	42.9	42.6	42.6	43.1
106.5°	42.6	42.5	42.3	42.0	41.9	42.3
107°	42.1	41.9	41.5	41.3	41.2	41.6
107.5°	41.2	41.2	40.8	40.7	40.6	41.1
108°	40.6	40.5	40.2	40.0	40.0	40.4
108.5°	39.8	39.8	39.6	39.5	39.3	39.8
109°	39.1	39.2	39.0	38.8	38.8	39.3
109.5°	38.5	38.6	38.4	38.3	38.2	38.6
110°	37.7	38.0	37.8	37.7	37.6	38.1
110.5°	37.2	37.4	37.3	37.2	37.1	37.6
111°	36.5	36.9	36.7	36.7	36.6	37.0
111.5°	36.0	36.3	36.2	36.2	36.1	36.5
112°	35.4	35.7	35.8	35.8	35.6	36.0



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	34.8	35.3	35.2	35.3	35.2	35.6
113°	34.5	34.7	34.8	34.8	34.7	35.1
113.5°	33.8	34.3	34.4	34.5	34.3	34.7
114°	33.5	33.8	34.0	34.1	33.9	34.3
114.5°	33.2	33.5	33.5	33.6	33.4	33.9
115°	32.5	33.0	33.0	33.2	33.0	33.4
115.5°	31.9	32.8	32.8	32.9	32.7	33.0
116°	31.8	32.3	32.3	32.5	32.3	32.6
116.5°	31.2	31.9	32.0	32.1	31.8	32.2
117°	30.7	31.5	31.7	31.7	31.4	31.8
117.5°	30.5	31.2	31.3	31.4	31.1	31.6
118°	30.1	30.8	31.0	31.1	30.7	31.2
118.5°	29.7	30.5	30.6	30.7	30.4	30.9
119°	29.4	30.2	30.3	30.4	30.1	30.5
119.5°	29.2	30.0	30.1	30.1	29.8	30.3
120°	29.0	29.6	29.8	29.9	29.4	30.0
120.5°	28.4	29.5	29.6	29.5	29.4	29.7
121°	28.2	29.3	29.5	29.5	29.2	29.5
121.5°	28.2	29.0	29.2	29.2	29.0	29.3
122°	28.0	28.9	29.0	29.0	28.8	29.3
122.5°	28.0	28.7	28.9	28.8	28.4	29.2
123°	27.6	28.5	28.7	28.6	28.3	29.1
123.5°	27.3	28.4	28.5	28.4	28.2	28.9
124°	27.1	28.2	28.4	28.2	28.0	28.7
124.5°	27.0	28.1	28.3	27.9	28.0	28.7
125°	26.8	27.9	28.1	27.9	27.8	28.7
125.5°	26.9	27.9	28.0	27.7	27.6	28.5
126°	26.8	27.8	27.9	27.6	27.6	28.3
126.5°	26.8	27.5	27.9	27.4	27.5	28.2
127°	26.8	27.5	27.7	27.4	27.3	28.2
127.5°	26.8	27.4	27.7	27.3	27.4	28.0
128°	26.8	27.4	27.6	27.2	27.3	28.0
128.5°	26.8	27.3	27.5	27.3	27.2	28.0
129°	26.8	27.3	27.5	27.2	27.2	27.9
129.5°	26.8	27.3	27.5	27.2	27.2	27.9
130°	26.8	27.3	27.5	27.2	27.2	27.9
130.5°	26.8	27.3	27.5	27.1	27.2	27.9
131°	26.8	27.3	27.4	27.1	27.2	27.9
131.5°	26.8	27.3	27.4	27.1	27.2	27.8
132°	26.8	27.3	27.4	27.1	27.2	27.8
132.5°	26.9	27.3	27.4	27.1	27.2	27.8
133°	27.0	27.3	27.4	27.1	27.2	27.8
133.5°	27.1	27.3	27.4	27.1	27.2	27.8
134°	27.2	27.3	27.4	27.1	27.2	27.8
134.5°	27.3	27.3	27.4	27.1	27.2	27.8



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	27.3	27.3	27.4	27.1	27.2	27.8
135.5°	27.4	27.3	27.4	27.1	27.2	27.9
136°	27.4	27.3	27.4	27.2	27.2	27.8
136.5°	27.6	27.3	27.4	27.2	27.2	27.8
137°	27.7	27.4	27.5	27.3	27.2	28.1
137.5°	27.8	27.7	27.5	27.4	27.3	28.1
138°	27.9	28.1	27.5	27.4	27.3	28.1
138.5°	28.1	28.0	27.9	27.8	27.7	28.1
139°	28.2	28.1	27.9	28.0	28.0	28.2
139.5°	28.4	28.1	28.1	28.0	28.0	28.2
140°	28.4	28.3	28.1	28.1	28.0	28.4
140.5°	28.4	28.2	28.3	28.2	28.2	28.6
141°	28.4	28.4	28.2	28.2	28.3	29.2
141.5°	28.5	28.7	28.4	28.3	28.4	29.3
142°	28.6	29.2	28.7	28.4	28.7	29.3
142.5°	28.7	29.3	29.0	28.7	29.1	29.4
143°	28.9	29.3	29.1	29.1	29.3	29.7
143.5°	29.0	29.5	29.1	29.3	29.3	29.8
144°	29.2	29.6	29.4	29.2	29.5	30.4
144.5°	29.4	29.8	29.6	29.3	29.5	30.4
145°	29.4	30.4	29.7	29.5	29.9	30.4
145.5°	29.6	30.6	29.8	29.7	30.1	30.7
146°	29.8	30.6	30.1	29.9	30.6	30.9
146.5°	30.0	30.7	30.5	30.3	30.6	31.0
147°	30.2	30.8	30.6	30.5	30.6	31.2
147.5°	30.5	30.9	30.6	30.6	30.7	31.7
148°	30.7	31.1	30.7	30.7	30.9	31.8
148.5°	30.7	31.2	30.7	30.7	31.2	32.1
149°	30.7	31.3	30.8	30.8	31.2	32.1
149.5°	30.7	31.7	31.1	31.0	31.5	32.1
150°	30.7	32.1	31.2	31.2	31.7	32.2
150.5°	30.7	32.0	31.2	31.2	32.0	32.2
151°	30.7	32.1	31.6	31.4	32.0	32.3
151.5°	30.7	32.0	31.7	31.5	32.0	32.3
152°	30.7	32.2	31.7	31.5	32.0	32.3
152.5°	30.7	32.2	31.7	31.4	32.1	32.3
153°	30.6	32.2	31.7	31.4	32.0	32.3
153.5°	30.5	32.0	31.7	31.4	32.0	32.3
154°	30.5	31.9	31.8	31.4	32.0	32.3
154.5°	30.1	31.8	31.8	31.4	32.0	32.3
155°	29.9	31.6	31.6	31.4	32.0	32.3
155.5°	29.8	31.4	31.5	31.4	32.0	32.4
156°	29.6	31.2	31.4	31.4	31.9	32.4
156.5°	29.5	31.1	31.3	31.4	31.7	32.3
157°	29.4	31.0	31.2	31.3	31.6	32.1



TEST NUMBER: P601037  
 CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	29.3	30.8	31.2	31.3	31.6	32.0
158°	29.2	30.7	31.1	31.2	31.5	32.0
158.5°	29.2	30.7	31.0	31.1	31.3	31.9
159°	29.0	30.5	30.9	30.9	31.2	31.6
159.5°	28.8	30.4	30.7	30.9	31.2	31.5
160°	28.5	30.2	30.6	30.7	31.0	31.5
160.5°	28.4	30.2	30.6	30.6	31.0	31.4
161°	28.2	30.0	30.4	30.5	30.9	31.2
161.5°	28.2	29.8	30.2	30.4	30.7	30.9
162°	28.1	29.6	30.1	30.2	30.6	30.7
162.5°	28.1	29.4	30.0	30.1	30.5	30.5
163°	28.1	29.3	29.7	30.1	30.4	30.3
163.5°	27.9	29.1	29.6	29.9	30.3	29.9
164°	27.8	29.0	29.4	29.7	30.1	29.7
164.5°	27.6	28.8	29.5	29.6	30.0	29.5
165°	27.4	28.7	29.3	29.6	30.0	29.4
165.5°	27.3	28.5	29.2	29.4	29.7	29.3
166°	27.2	28.4	29.0	29.5	29.5	29.1
166.5°	27.1	28.3	28.8	29.4	29.4	28.8
167°	26.9	28.0	28.5	29.2	29.1	28.7
167.5°	26.7	27.9	28.3	29.0	28.8	28.4
168°	26.5	27.5	27.9	28.8	28.5	28.2
168.5°	26.6	27.4	27.8	28.4	28.1	28.0
169°	26.6	27.3	27.5	27.9	27.8	27.8
169.5°	26.1	27.0	27.3	27.4	27.4	27.7
170°	25.8	26.8	27.1	26.9	27.3	27.4
170.5°	25.6	26.5	26.7	26.5	27.0	27.2
171°	25.3	26.3	26.4	26.1	26.7	27.0
171.5°	25.2	26.0	26.0	25.5	26.3	26.6
172°	25.1	25.6	25.6	25.0	25.9	26.4
172.5°	25.0	25.1	24.9	24.5	25.3	26.0
173°	24.4	24.6	24.2	24.0	24.7	25.6
173.5°	24.3	24.2	23.9	23.6	24.2	25.1
174°	24.4	24.2	23.9	23.6	24.1	25.1
174.5°	24.5	26.3	25.8	25.6	25.9	26.7
175°	26.5	27.8	27.3	27.3	27.5	28.1
175.5°	28.7	28.2	28.1	28.2	28.2	28.7
176°	29.7	28.9	28.7	28.7	28.9	29.2
176.5°	30.4	29.5	29.4	29.4	29.4	29.5
177°	30.8	30.1	30.1	30.0	30.2	30.4
177.5°	31.2	30.5	30.5	30.6	30.6	30.6
178°	31.2	30.6	30.6	30.7	30.8	30.9
178.5°	31.2	30.8	30.8	30.9	31.1	31.0
179°	31.2	31.0	30.9	31.0	31.2	31.2
179.5°	31.2	31.2	31.1	31.1	31.3	31.5



TEST NUMBER: P601037  
CATALOG NUMBER: FM159S1EWHR\_4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	31.7	31.7	31.7	31.7	31.7	31.7

(END OF REPORT)