

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: P601038

Luminaire Tested: FM159S1EWHR_5000K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601038
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_5000K
Description: FM159S1EWHR at 5000K
Light Source: -
Ballast/Driver: -

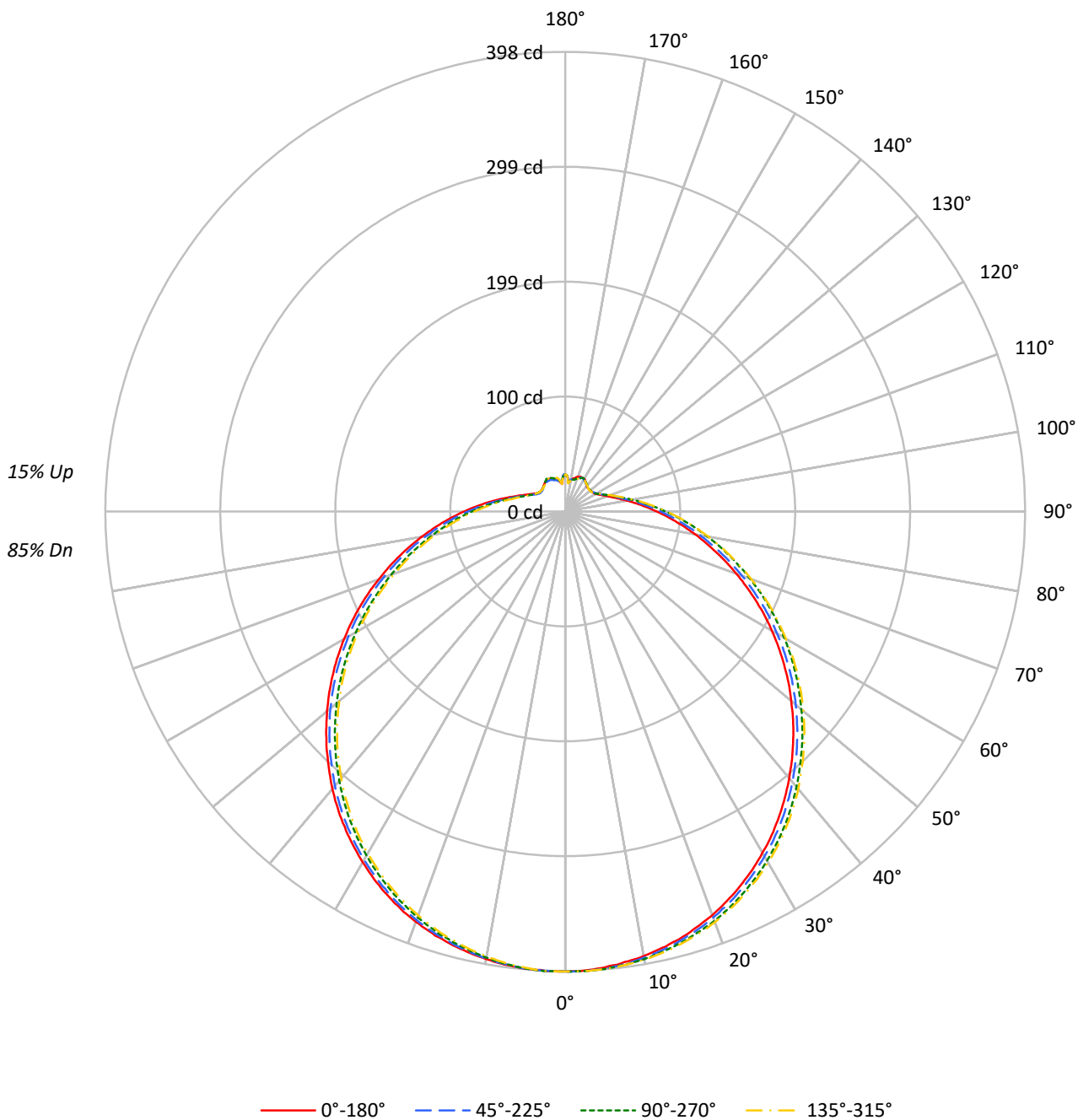
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1653.2 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 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

TEST NUMBER: P601038
CATALOG NUMBER: FM159S1EWHR_5000K

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°	3494	3494	3494	3494
5°	3390	3402	3400	3397
10°	3288	3310	3310	3299
15°	3192	3221	3225	3203
20°	3095	3138	3144	3110
25°	2996	3050	3060	3014
30°	2895	2963	2975	2917
35°	2797	2874	2886	2820
40°	2694	2781	2800	2716
45°	2591	2690	2710	2615
50°	2489	2599	2624	2515
55°	2390	2514	2534	2419
60°	2290	2428	2449	2319
65°	2193	2347	2370	2225
70°	2104	2269	2291	2137
75°	2028	2208	2228	2064
80°	1983	2171	2190	2023
85°	1983	2180	2195	2026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 2716 cd/sqm



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	2.3
10°-20°	108.9	6.6
20°-30°	167.0	10.1
30°-40°	205.5	12.4
40°-50°	220.6	13.3
50°-60°	213.4	12.9
60°-70°	187.6	11.3
70°-80°	150.0	9.1
80°-90°	110.2	6.7
90°-100°	75.5	4.6
100°-110°	50.1	3.0
110°-120°	34.4	2.1
120°-130°	25.8	1.6
130°-140°	21.8	1.3
140°-150°	19.1	1.2
150°-160°	14.6	0.9
160°-170°	8.3	0.5
170°-180°	2.6	0.2
0°-30°	313.7	19.0
0°-40°	519.1	31.4
0°-60°	953.1	57.7
0°-90°	1400.9	84.7
90°-120°	160.1	9.7
90°-150°	226.8	13.7
90°-180°	252.0	15.2
0°-180°	1653.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	398	398	398	398	398	
5°	396	398	398	397	396	38
15°	383	387	387	384	383	108
25°	358	365	366	360	358	165
35°	323	332	333	325	323	202
45°	279	290	292	282	279	215
55°	231	243	245	234	231	207
65°	182	195	196	184	182	180
75°	135	147	148	137	135	143
85°	95	105	106	98	95	82
90°	79	87	88	81	79	43
95°	66	72	72	67	66	51
105°	45	49	48	46	45	48
115°	34	35	35	34	34	34
125°	29	28	28	28	29	26
135°	28	28	28	28	28	22
145°	31	31	30	31	31	19
155°	33	32	31	32	33	15
165°	30	28	28	29	30	9
175°	28	28	26	28	28	3
180°	32	32	32	32	32	



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
0.5°	398.3	398.4	398.5	398.6	398.5	398.4	398.4	398.4	398.4	398.4	398.4
1°	398.3	398.4	398.5	398.6	398.5	398.4	398.4	398.5	398.4	398.3	398.4
1.5°	398.3	398.4	398.5	398.5	398.3	398.4	398.4	398.5	398.4	398.2	398.3
2°	398.1	398.2	398.5	398.5	398.3	398.5	398.5	398.4	398.4	398.0	398.2
2.5°	397.9	397.9	398.4	398.6	398.3	398.5	398.4	398.4	398.4	397.9	398.1
3°	397.5	397.8	398.3	398.5	398.2	398.4	398.4	398.3	397.7	397.8	398.0
3.5°	397.3	397.5	397.9	398.4	398.2	398.3	398.1	398.3	397.7	397.7	397.8
4°	397.0	397.2	397.8	398.0	397.9	398.0	398.1	398.1	397.5	397.5	397.7
4.5°	396.7	396.9	397.4	397.9	397.8	397.9	397.9	397.8	397.4	397.3	397.5
5°	396.3	396.6	397.1	397.8	397.7	397.8	397.7	397.8	397.5	397.2	397.3
5.5°	395.5	396.3	397.0	397.3	397.2	397.7	397.6	397.8	397.3	397.0	397.1
6°	395.3	395.8	396.5	396.9	397.0	397.3	397.2	397.4	396.8	396.5	396.5
6.5°	395.1	395.4	396.3	396.5	396.6	397.0	396.9	396.9	396.4	396.4	396.3
7°	394.4	394.9	395.7	396.1	396.3	396.5	396.5	396.6	396.1	396.0	395.8
7.5°	393.6	394.5	395.2	395.8	395.9	396.4	396.3	396.4	395.9	395.7	395.4
8°	393.4	394.0	394.8	395.3	395.5	395.8	395.8	395.9	395.6	395.2	395.1
8.5°	392.8	393.4	394.2	394.8	395.0	395.4	395.5	395.5	395.1	394.8	394.8
9°	392.4	392.7	393.7	394.2	394.5	394.9	395.1	395.1	394.8	394.3	393.9
9.5°	391.8	392.1	393.1	393.8	394.0	394.5	394.6	394.7	394.0	393.8	393.6
10°	391.0	391.5	392.4	393.3	393.7	394.0	394.0	394.1	393.7	393.3	393.0
10.5°	390.3	390.9	391.8	392.7	393.0	393.5	393.7	393.6	393.0	392.7	392.6
11°	389.6	390.3	391.2	391.9	392.4	392.9	393.1	393.2	392.5	392.2	391.9
11.5°	388.7	389.5	390.4	391.2	391.8	392.2	392.5	392.7	392.0	391.6	391.2
12°	388.0	388.7	389.7	390.5	391.2	391.7	391.9	392.0	391.5	391.0	390.6
12.5°	387.2	387.9	389.0	389.8	390.5	391.0	391.2	391.3	390.7	390.3	389.9
13°	386.7	387.1	388.3	389.1	389.8	390.3	390.7	390.6	390.0	389.7	389.3
13.5°	385.5	386.3	387.4	388.3	389.0	389.7	390.0	390.1	389.3	389.0	388.5
14°	384.6	385.3	386.7	387.6	388.3	389.0	389.2	389.3	388.6	388.1	387.7
14.5°	383.9	384.5	385.7	386.6	387.5	388.4	388.4	388.5	388.0	387.5	387.0
15°	383.2	383.5	384.8	385.8	386.7	387.4	387.7	387.7	387.1	386.6	386.0
15.5°	382.0	382.6	383.9	384.8	385.9	386.8	387.0	387.0	386.4	385.8	385.2
16°	381.1	381.8	382.9	383.9	385.0	385.7	386.1	386.2	385.3	384.9	384.3
16.5°	380.1	380.8	382.1	382.9	384.0	384.8	385.2	385.3	384.8	384.0	383.4
17°	378.8	379.7	381.1	382.4	383.2	384.1	384.4	384.4	384.2	383.2	382.6
17.5°	377.7	378.7	380.1	381.3	382.2	382.9	383.4	383.4	382.9	382.3	381.6
18°	376.7	377.6	378.9	380.2	381.5	382.1	382.5	382.6	382.0	381.2	380.8
18.5°	375.4	376.5	377.9	379.2	380.4	381.4	381.7	381.6	381.1	380.5	379.7
19°	374.3	375.3	376.8	378.0	379.4	380.2	380.7	380.8	380.2	379.5	378.6
19.5°	373.1	374.2	375.7	377.0	378.4	379.3	379.6	379.7	378.7	378.3	377.6
20°	372.1	373.0	374.4	375.7	377.3	378.1	378.6	378.7	378.0	377.3	376.4
20.5°	370.8	371.7	373.1	374.5	376.2	377.0	377.5	377.6	377.0	376.2	375.4
21°	369.5	370.4	372.0	373.3	375.0	376.0	376.4	376.5	375.8	375.3	374.2
21.5°	368.2	369.0	370.1	372.1	373.7	374.8	375.2	375.5	374.7	374.0	373.0
22°	366.7	367.7	369.5	370.9	372.6	373.3	374.0	374.2	373.8	372.7	371.7



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 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	365.3	366.4	368.0	369.6	371.4	372.3	372.8	372.9	372.3	371.4	370.5
23°	363.9	365.0	366.8	368.3	370.1	370.9	371.6	371.7	370.7	370.1	369.2
23.5°	362.5	363.6	365.5	366.9	368.7	369.7	370.3	370.4	369.9	368.8	367.9
24°	361.1	362.1	363.9	365.6	367.4	368.4	369.0	369.2	368.4	367.6	366.5
24.5°	359.7	360.7	362.4	364.2	366.0	367.1	367.5	367.7	367.0	366.2	365.0
25°	358.1	359.4	361.0	362.6	364.6	365.5	366.2	366.4	365.7	364.8	363.7
25.5°	356.5	357.8	359.6	361.2	363.2	364.3	364.9	365.0	364.6	363.4	362.0
26°	354.9	356.0	358.0	359.9	361.8	363.0	363.5	363.5	363.1	361.9	360.9
26.5°	353.4	354.4	356.4	358.2	360.1	361.6	362.1	362.1	361.4	360.5	359.2
27°	351.7	352.9	354.9	356.6	358.9	360.0	360.5	360.7	360.1	359.0	357.8
27.5°	350.2	351.2	353.3	355.1	357.3	358.5	359.2	359.2	358.7	357.5	356.3
28°	348.5	349.6	351.6	353.6	355.7	356.9	357.5	357.8	357.0	355.9	354.7
28.5°	346.8	347.9	350.0	351.9	354.1	355.4	356.1	356.2	355.5	354.5	353.1
29°	344.9	346.2	348.4	350.3	352.6	353.8	354.4	354.6	353.8	352.8	351.5
29.5°	343.4	344.5	346.7	348.5	350.9	352.3	352.8	353.0	352.1	351.3	349.9
30°	341.3	343.1	344.9	346.8	349.3	350.6	351.2	351.3	350.7	349.5	348.3
30.5°	339.7	341.1	343.3	345.3	347.6	348.8	349.5	349.7	349.0	347.9	346.5
31°	338.1	339.3	341.4	343.3	345.9	347.3	347.9	348.0	347.3	346.2	344.7
31.5°	336.2	337.8	339.7	341.6	344.1	345.6	346.1	346.4	345.5	344.4	343.0
32°	334.5	335.9	338.1	339.9	342.5	343.9	344.4	344.6	343.8	342.8	341.2
32.5°	332.5	333.9	336.2	338.2	340.6	342.0	342.7	342.9	342.2	341.1	339.5
33°	330.6	332.1	334.2	336.6	338.9	340.2	340.9	341.1	340.4	339.4	337.7
33.5°	328.6	330.1	332.5	334.5	337.2	338.3	339.2	339.3	338.5	337.5	335.9
34°	326.6	328.1	330.5	332.7	335.4	336.7	337.4	337.6	337.1	335.7	334.0
34.5°	324.7	326.1	328.5	330.7	333.4	334.9	335.6	335.9	335.2	334.0	332.2
35°	322.7	324.2	326.6	328.7	331.6	333.1	333.6	334.0	333.0	332.1	330.3
35.5°	320.7	322.2	324.6	326.8	329.8	331.1	331.8	332.1	331.4	330.2	328.4
36°	318.6	320.1	322.7	324.7	327.7	329.1	330.0	330.2	329.4	328.2	326.4
36.5°	316.5	318.1	320.6	322.8	325.8	327.2	328.0	328.1	327.5	326.3	324.5
37°	314.4	316.0	318.5	320.8	323.7	325.5	326.0	326.3	325.6	324.3	322.4
37.5°	312.2	314.0	316.4	318.8	321.7	323.2	324.0	324.2	323.6	322.2	320.4
38°	310.2	311.8	314.5	316.7	319.7	321.1	321.8	322.2	321.6	320.2	318.3
38.5°	307.9	309.7	312.3	314.7	317.7	319.2	319.9	320.3	319.7	318.2	316.3
39°	305.9	307.6	310.2	312.6	315.5	316.9	317.9	318.1	317.6	316.0	314.2
39.5°	303.8	305.4	308.1	310.5	313.7	315.1	315.9	316.1	315.6	314.3	312.2
40°	301.6	303.2	305.9	308.3	311.4	312.8	313.7	314.0	313.5	312.0	310.0
40.5°	299.3	301.0	303.7	306.2	309.4	310.7	311.5	311.8	311.3	309.9	307.9
41°	297.1	298.9	301.5	304.0	307.1	308.6	309.5	309.7	309.2	307.8	305.6
41.5°	294.9	296.6	299.5	301.8	305.1	306.6	307.2	307.6	307.0	305.6	303.4
42°	292.8	294.3	297.0	299.6	302.8	304.5	305.1	305.5	304.8	303.4	301.2
42.5°	290.6	292.3	294.9	297.4	300.6	302.2	303.0	303.3	302.6	301.2	299.0
43°	288.3	290.0	292.9	295.2	298.5	300.0	300.7	301.1	300.4	299.1	296.8
43.5°	286.0	288.0	290.6	293.2	296.3	297.7	298.7	299.0	298.4	296.9	294.6
44°	283.8	285.7	288.4	291.0	293.9	295.6	296.3	296.7	296.0	294.5	292.6
44.5°	281.3	283.2	286.1	288.8	292.0	293.3	294.0	294.5	293.8	292.6	290.5



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	279.1	281.0	283.7	286.5	289.7	291.3	292.0	292.5	291.9	290.3	288.1
45.5°	276.9	278.6	281.5	284.2	287.6	289.0	289.9	290.1	289.7	288.3	286.1
46°	274.5	276.3	279.3	281.9	285.3	286.6	287.6	287.9	287.2	286.0	283.6
46.5°	272.1	274.1	277.1	279.6	283.0	284.6	285.3	285.7	285.0	283.8	281.4
47°	269.7	271.7	274.6	277.2	280.8	282.2	283.0	283.4	282.9	281.5	279.0
47.5°	267.5	269.3	272.2	274.9	278.4	279.9	280.7	281.2	280.6	279.0	276.8
48°	265.1	267.0	269.8	272.6	276.3	277.5	278.4	278.9	278.2	276.9	274.6
48.5°	262.7	264.7	267.4	270.3	273.8	275.3	276.2	276.5	275.9	274.5	272.2
49°	260.3	262.2	265.1	267.9	271.5	273.0	273.7	274.3	273.5	272.2	269.9
49.5°	257.8	259.8	262.8	265.7	269.2	270.7	271.5	271.9	271.3	270.0	267.7
50°	255.5	257.5	260.4	263.2	266.8	268.3	269.2	269.7	269.3	267.8	265.1
50.5°	253.0	255.0	258.1	260.9	264.5	265.9	266.6	267.2	266.6	265.3	262.7
51°	250.7	252.7	255.7	258.5	262.2	263.6	264.3	264.8	264.3	262.9	260.4
51.5°	248.3	250.3	253.3	256.1	259.8	261.4	262.1	262.6	262.2	260.7	258.1
52°	246.0	248.1	251.0	253.7	257.5	258.8	259.7	260.1	259.6	258.3	255.8
52.5°	243.5	245.5	248.7	251.3	255.1	256.6	257.3	257.7	257.3	255.9	253.2
53°	241.2	243.2	246.2	249.2	252.6	254.2	254.9	255.3	254.9	253.5	250.9
53.5°	238.7	240.7	243.9	246.7	250.3	251.7	252.5	252.9	252.4	251.0	248.6
54°	236.2	238.3	241.3	244.4	248.1	249.3	250.1	250.4	250.2	248.8	245.9
54.5°	233.6	235.8	239.0	241.9	245.7	247.0	247.8	248.1	247.9	246.4	243.7
55°	231.3	233.3	236.5	239.6	243.3	244.7	245.4	245.8	245.3	244.1	241.4
55.5°	228.8	230.8	234.0	237.1	240.8	242.3	243.0	243.4	243.0	241.6	238.9
56°	226.3	228.4	231.6	234.5	238.4	239.7	240.4	240.8	240.6	239.1	236.5
56.5°	223.9	225.9	229.1	232.2	236.1	237.4	238.0	238.4	238.0	236.7	234.0
57°	221.4	223.4	226.7	229.7	233.6	234.8	235.6	236.0	235.7	234.4	231.7
57.5°	218.8	220.9	224.1	227.5	231.2	232.6	233.0	233.5	233.2	232.0	229.0
58°	216.5	218.6	221.9	224.7	228.7	230.0	230.7	231.1	230.7	229.6	226.7
58.5°	214.0	216.0	219.3	222.4	226.2	227.6	228.1	228.6	228.4	226.9	223.9
59°	211.4	213.7	216.9	219.9	223.9	225.1	225.7	226.2	225.9	224.6	221.5
59.5°	209.0	211.1	214.3	217.5	221.4	222.8	223.1	223.7	223.5	222.1	219.1
60°	206.5	208.7	211.9	215.0	219.0	220.3	220.7	221.3	220.9	219.6	216.8
60.5°	204.2	206.2	209.4	212.5	216.5	217.7	218.2	218.7	218.4	217.1	214.2
61°	201.8	203.9	207.0	210.1	214.0	215.2	215.7	216.2	216.0	214.6	211.7
61.5°	199.3	201.3	204.7	207.8	211.5	212.6	213.1	213.8	213.6	212.1	209.3
62°	196.8	198.9	202.1	205.5	209.2	210.3	210.7	211.3	211.1	209.7	206.8
62.5°	194.3	196.3	199.7	203.0	206.7	207.9	208.3	208.8	208.7	207.1	204.7
63°	191.9	193.9	197.1	200.5	204.4	205.4	205.8	206.2	206.2	204.8	202.0
63.5°	189.3	191.3	194.7	198.1	202.0	203.0	203.5	203.9	203.7	202.3	199.5
64°	186.7	188.8	192.2	195.6	199.5	200.6	201.0	201.6	201.4	199.9	197.0
64.5°	184.3	186.4	189.7	193.1	197.0	198.2	198.5	199.1	198.9	197.5	194.5
65°	181.8	183.9	187.2	190.6	194.6	195.7	196.0	196.6	196.5	195.1	192.0
65.5°	179.4	181.4	184.7	188.1	192.2	193.2	193.6	194.1	193.9	192.6	189.6
66°	176.9	178.8	182.2	185.6	189.8	190.7	191.0	191.5	191.5	189.9	187.1
66.5°	174.4	176.5	179.7	183.2	187.2	188.3	188.5	189.1	189.0	187.5	184.5
67°	172.1	173.9	177.3	180.8	184.8	185.9	186.1	186.7	186.5	185.1	182.2



TEST NUMBER: P601038
 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°	169.5	171.6	174.8	178.3	182.5	183.4	183.7	184.2	184.1	182.7	180.0
68°	167.1	169.1	172.5	175.8	179.9	180.9	181.3	181.8	181.7	180.2	177.2
68.5°	164.9	166.9	170.1	173.4	177.5	178.4	178.7	179.2	179.1	177.7	174.7
69°	162.4	164.4	167.7	171.0	175.0	176.1	176.3	176.8	176.7	175.2	172.3
69.5°	160.1	162.1	165.2	168.6	172.6	173.6	173.8	174.3	174.1	172.8	169.7
70°	157.8	159.9	162.8	166.3	170.2	171.1	171.5	171.9	171.8	170.3	167.4
70.5°	155.4	157.4	160.6	163.8	167.8	168.8	168.9	169.5	169.4	168.0	165.1
71°	153.2	155.0	158.2	161.6	165.5	166.2	166.6	167.0	166.9	165.6	162.6
71.5°	150.7	152.7	155.9	159.3	163.5	163.9	164.1	164.6	164.6	163.1	160.4
72°	148.4	150.4	153.5	156.9	160.9	161.6	161.8	162.2	162.1	160.8	157.7
72.5°	146.2	148.1	151.4	154.5	157.6	159.4	159.6	160.0	160.0	158.4	155.5
73°	143.8	145.8	149.0	152.2	155.8	157.0	157.1	157.6	157.6	156.1	153.3
73.5°	141.6	143.6	146.6	149.9	153.7	154.8	154.9	155.3	155.1	153.8	150.9
74°	139.3	141.2	144.4	147.7	151.5	152.4	152.5	153.0	152.9	151.4	148.6
74.5°	137.1	139.2	142.1	145.4	149.3	150.0	150.1	150.7	150.6	149.1	146.2
75°	134.9	136.8	139.9	143.1	146.9	147.9	147.9	148.3	148.2	146.6	144.0
75.5°	132.7	134.7	137.6	140.8	144.6	145.5	145.6	146.1	145.9	144.4	141.6
76°	130.6	132.4	135.3	138.7	142.4	143.2	143.4	143.7	143.6	142.3	139.2
76.5°	128.5	130.3	133.2	136.4	140.1	141.0	141.1	141.6	141.2	139.8	137.2
77°	126.4	128.2	131.0	134.2	138.1	138.8	138.9	139.3	139.2	137.6	134.8
77.5°	124.3	125.9	128.9	132.2	135.8	136.5	136.8	137.1	136.8	135.4	132.9
78°	122.1	123.9	126.8	129.9	133.5	134.4	134.5	134.7	134.6	133.2	130.5
78.5°	120.1	121.8	124.7	127.8	131.4	132.1	132.3	132.8	132.5	131.0	128.5
79°	118.1	119.8	122.7	125.7	129.2	129.9	130.2	130.4	130.3	128.7	126.2
79.5°	116.3	117.9	120.5	123.6	127.0	127.8	128.0	128.3	128.1	126.5	124.2
80°	114.1	115.9	118.5	121.5	124.9	125.7	125.8	126.3	126.0	124.5	122.1
80.5°	112.2	114.0	116.6	119.4	122.8	123.6	123.7	124.1	123.8	122.2	119.8
81°	110.3	112.0	114.8	117.6	120.7	121.6	121.7	122.0	121.8	120.1	117.6
81.5°	108.3	110.0	112.7	115.7	118.7	119.4	119.6	119.9	119.5	118.0	116.0
82°	106.4	108.1	110.8	113.5	116.8	117.3	117.5	117.8	117.5	116.3	113.8
82.5°	104.6	106.2	108.7	111.7	114.8	115.5	115.8	116.1	115.7	114.2	111.9
83°	102.7	104.4	106.8	109.6	112.8	113.6	113.7	113.9	113.6	112.2	109.8
83.5°	100.8	102.5	105.0	107.7	110.9	111.6	111.7	112.1	111.6	110.2	107.9
84°	99.0	100.8	103.0	105.8	108.9	109.6	109.6	110.0	109.6	108.1	105.9
84.5°	97.2	98.9	101.3	104.0	106.9	107.6	107.7	108.0	107.6	106.2	104.0
85°	95.4	97.0	99.4	102.0	104.9	105.7	105.8	106.1	105.6	104.2	101.9
85.5°	93.7	95.4	97.6	100.4	103.0	103.8	103.9	104.3	103.8	102.3	100.0
86°	92.0	93.5	95.8	98.4	101.2	101.9	102.0	102.4	101.8	100.4	98.1
86.5°	90.3	91.9	94.1	96.6	99.3	100.0	100.3	100.4	99.9	98.5	96.5
87°	88.7	90.2	92.3	95.0	97.4	98.2	98.2	98.6	98.2	96.6	94.5
87.5°	87.1	88.6	90.6	93.2	95.7	96.3	96.5	96.8	96.2	94.7	92.8
88°	85.4	86.9	89.0	91.4	94.0	94.5	94.7	94.9	94.4	92.9	91.0
88.5°	83.9	85.3	87.4	89.8	92.1	92.8	92.9	93.2	92.7	91.2	89.2
89°	82.2	83.7	85.8	88.0	90.4	91.0	91.2	91.4	91.0	89.4	87.6
89.5°	80.6	82.2	84.2	86.5	88.7	89.4	89.5	89.7	89.2	87.7	85.9



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	79.2	80.5	82.7	84.7	87.1	87.6	87.7	87.8	87.5	86.1	84.0
90.5°	77.6	79.1	81.1	83.2	85.3	85.9	86.0	86.3	85.8	84.4	82.6
91°	76.1	77.6	79.5	81.7	83.7	84.4	84.6	84.7	84.1	82.9	80.8
91.5°	74.7	76.1	78.0	80.1	82.0	82.7	82.9	83.1	82.5	80.7	79.0
92°	73.4	74.7	76.6	78.6	80.4	81.0	81.2	81.4	80.8	79.4	77.9
92.5°	72.0	73.4	75.2	77.2	78.8	79.4	79.5	79.8	79.3	77.9	76.4
93°	70.8	72.1	73.8	75.6	77.4	77.8	78.1	78.3	77.7	76.4	74.6
93.5°	69.3	70.7	72.5	74.2	75.9	76.5	76.5	76.7	76.3	75.0	73.2
94°	68.0	69.4	71.1	73.0	74.4	74.9	75.0	75.3	74.6	73.4	72.1
94.5°	66.7	68.1	69.8	71.7	73.0	73.5	73.6	73.8	73.2	72.4	70.5
95°	65.5	66.8	68.4	70.2	71.6	72.4	72.4	72.4	71.9	70.8	69.1
95.5°	64.2	65.5	67.4	68.9	70.1	70.8	70.9	70.9	70.7	69.2	67.8
96°	62.9	64.2	66.0	67.6	68.8	69.3	69.5	69.6	69.1	67.9	66.6
96.5°	61.9	63.1	64.6	66.3	67.6	68.1	68.1	68.1	67.7	66.7	65.2
97°	60.7	61.9	63.6	65.0	66.5	66.7	66.8	66.9	66.7	65.3	63.7
97.5°	59.5	60.8	62.2	63.7	65.1	65.4	65.5	65.3	65.1	63.8	62.5
98°	58.4	59.6	61.1	62.5	63.7	64.1	64.1	64.2	63.9	62.6	61.2
98.5°	57.3	58.5	60.0	61.3	62.6	62.8	62.9	63.0	62.5	61.4	59.9
99°	56.2	57.4	58.8	60.1	61.2	61.6	61.6	61.7	61.3	60.2	58.7
99.5°	55.2	56.4	57.6	59.0	59.9	60.3	60.6	60.5	60.1	59.3	57.6
100°	54.2	55.3	56.6	58.0	58.8	59.5	59.2	59.2	58.9	57.8	56.4
100.5°	53.2	54.3	55.6	56.8	57.6	58.0	58.0	58.4	57.8	56.8	55.5
101°	52.1	53.2	54.5	55.8	56.5	57.1	56.6	57.0	56.8	55.7	54.3
101.5°	51.2	52.3	53.5	54.7	55.5	55.8	55.8	55.8	55.6	54.8	53.3
102°	50.3	51.3	52.6	53.7	54.5	54.7	54.9	54.7	54.4	53.5	52.1
102.5°	49.2	50.3	51.6	52.8	53.2	53.7	53.5	54.0	53.3	52.6	51.3
103°	48.5	49.7	50.4	51.7	52.3	52.8	52.8	52.6	52.3	51.6	50.3
103.5°	47.6	48.7	49.7	50.9	51.5	51.7	51.7	52.0	51.4	50.4	49.3
104°	46.8	47.9	49.0	49.9	50.4	50.8	50.8	51.0	50.5	49.3	48.6
104.5°	46.0	47.1	48.1	48.9	49.4	50.3	50.2	50.0	50.0	48.4	47.5
105°	45.2	46.3	47.2	48.1	48.7	48.9	48.9	49.0	48.5	47.7	46.6
105.5°	44.5	45.6	46.4	47.2	47.7	48.0	48.0	47.8	47.6	46.8	45.7
106°	43.7	44.7	45.7	46.5	46.9	47.4	47.3	47.1	46.7	46.1	45.1
106.5°	42.9	44.1	45.1	45.9	46.0	46.4	46.4	46.2	46.0	45.1	44.4
107°	42.2	43.3	44.3	45.0	45.2	45.2	45.7	45.4	45.1	44.6	43.3
107.5°	41.7	42.6	43.5	44.3	44.6	44.9	44.9	44.7	44.5	43.6	42.5
108°	41.0	41.8	42.8	43.5	43.6	43.9	44.0	43.9	43.6	42.9	41.8
108.5°	40.4	41.2	42.1	42.8	42.9	43.3	43.3	43.3	42.9	42.3	41.2
109°	39.8	40.5	41.4	42.1	42.1	42.5	42.6	42.4	42.4	41.7	40.8
109.5°	39.2	40.0	40.8	41.4	41.4	41.9	42.0	41.9	41.6	40.7	39.7
110°	38.7	39.2	40.3	40.8	40.7	41.1	41.2	41.0	40.6	39.9	39.0
110.5°	38.1	38.7	39.6	40.2	40.0	40.4	40.7	40.4	39.9	39.2	38.4
111°	37.6	38.1	39.0	39.6	39.4	39.7	39.9	39.7	39.3	38.9	37.8
111.5°	37.0	37.6	38.5	39.0	38.9	39.3	39.2	39.3	38.9	38.1	37.1
112°	36.6	37.1	37.9	38.5	38.2	38.6	38.7	38.5	38.2	37.7	36.6



TEST NUMBER: P601038
 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°	36.2	36.6	37.4	37.9	37.9	38.0	38.1	37.9	37.8	36.9	36.2
113°	35.6	36.1	36.9	37.4	37.0	37.8	37.8	37.3	37.0	36.4	35.4
113.5°	35.2	35.6	36.4	36.8	36.5	36.8	37.0	36.7	36.5	35.8	35.1
114°	34.8	35.1	35.9	36.5	36.0	36.6	36.5	36.3	36.0	35.3	34.5
114.5°	34.4	34.7	35.4	35.9	35.5	35.9	35.9	35.7	35.5	35.0	33.9
115°	33.9	34.3	35.1	35.4	35.2	35.3	35.4	35.2	35.1	34.4	33.9
115.5°	33.5	33.8	34.7	35.1	34.6	35.1	35.0	34.9	34.5	33.8	33.3
116°	33.1	33.4	34.3	34.7	34.2	34.3	34.5	34.2	34.1	33.7	32.5
116.5°	32.7	33.1	33.8	34.2	33.9	34.0	34.1	33.9	33.8	33.0	32.4
117°	32.3	32.6	33.4	33.9	33.5	33.9	33.9	33.8	33.2	32.6	31.7
117.5°	32.0	32.3	33.0	33.4	32.8	33.5	33.4	32.9	32.7	32.3	31.3
118°	31.7	31.9	32.6	33.1	32.4	32.7	32.7	32.5	32.3	31.8	31.0
118.5°	31.3	31.5	32.2	32.8	32.2	32.4	32.4	32.3	32.2	31.4	30.8
119°	31.0	31.2	32.0	32.3	31.6	32.3	32.1	31.7	31.5	31.1	30.2
119.5°	30.7	30.9	31.6	32.1	31.3	31.6	31.6	31.4	31.2	30.9	29.9
120°	30.5	30.6	31.2	31.6	30.9	31.2	31.3	31.0	30.9	30.5	29.6
120.5°	30.1	30.4	30.9	31.4	30.8	31.0	31.0	30.8	30.7	30.1	29.4
121°	30.0	30.0	30.7	31.0	30.3	30.8	30.7	30.3	30.1	29.8	29.0
121.5°	29.8	29.8	30.5	30.7	30.0	30.3	30.3	30.1	29.9	29.6	28.6
122°	29.8	29.8	30.2	30.6	29.7	30.0	30.0	29.8	29.7	29.7	28.6
122.5°	29.6	29.6	30.0	30.3	29.6	29.7	29.6	29.5	29.5	28.9	28.3
123°	29.5	29.4	29.9	30.1	29.3	29.6	29.6	29.5	28.9	28.7	28.3
123.5°	29.4	29.2	29.8	29.8	28.9	29.4	29.2	29.0	28.7	28.7	27.8
124°	29.2	29.1	29.6	29.9	28.7	29.0	29.0	28.7	28.7	28.5	27.7
124.5°	29.1	28.9	29.5	29.8	28.6	28.7	28.7	28.6	28.5	28.4	27.5
125°	29.1	28.7	29.4	29.6	28.5	28.6	28.6	28.5	28.3	28.1	27.2
125.5°	28.9	28.6	29.1	29.5	28.4	28.6	28.5	28.3	28.2	27.8	27.1
126°	28.8	28.4	29.0	29.3	28.5	28.4	28.5	28.3	27.9	27.6	27.0
126.5°	28.7	28.4	29.0	29.3	28.4	28.4	28.4	27.9	27.7	27.5	27.0
127°	28.6	28.2	28.8	29.0	28.4	28.3	28.3	27.9	27.7	27.5	27.1
127.5°	28.4	28.1	28.7	29.0	28.4	28.4	28.2	27.9	27.7	27.5	26.9
128°	28.4	28.1	28.5	29.0	28.4	28.4	28.1	27.8	27.6	27.5	26.9
128.5°	28.4	28.1	28.5	28.8	28.4	28.3	28.1	27.8	27.6	27.5	26.9
129°	28.3	28.1	28.5	28.8	28.4	28.3	28.1	27.8	27.6	27.5	26.9
129.5°	28.3	28.1	28.5	28.7	28.4	28.3	28.1	27.8	27.6	27.5	26.9
130°	28.3	28.1	28.3	28.7	28.4	28.3	28.1	27.8	27.6	27.5	26.9
130.5°	28.3	28.1	28.3	28.6	28.4	28.3	28.1	27.8	27.6	27.5	26.9
131°	28.3	28.1	28.3	28.6	28.4	28.3	28.1	27.8	27.6	27.5	26.9
131.5°	28.2	28.1	28.3	28.6	28.4	28.3	28.1	27.8	27.6	27.5	26.9
132°	28.2	28.1	28.3	28.6	28.4	28.3	28.1	27.9	27.6	27.5	26.9
132.5°	28.2	28.1	28.3	28.6	28.4	28.4	28.1	27.9	27.6	27.5	26.9
133°	28.2	28.1	28.3	28.6	28.4	28.4	28.1	27.9	27.6	27.5	26.9
133.5°	28.2	28.1	28.3	28.6	28.4	28.4	28.1	28.0	27.6	27.5	27.1
134°	28.2	28.1	28.3	28.6	28.4	28.4	28.2	28.0	27.6	27.5	27.1
134.5°	28.2	28.1	28.3	28.6	28.4	28.4	28.3	28.0	27.8	27.7	27.1



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	28.2	28.3	28.3	28.6	28.5	28.5	28.4	28.1	27.7	27.8	27.1
135.5°	28.3	28.3	28.3	28.6	28.7	28.5	28.4	28.1	27.9	27.7	27.2
136°	28.2	28.4	28.4	28.6	28.8	28.6	28.5	28.3	27.9	27.8	27.3
136.5°	28.2	28.4	28.4	28.6	28.8	28.7	28.6	28.3	28.1	28.0	27.4
137°	28.5	28.6	28.5	28.7	29.0	28.9	28.9	28.3	28.0	28.0	27.6
137.5°	28.5	28.6	28.5	28.6	29.0	29.0	28.9	28.5	28.2	28.1	27.7
138°	28.5	28.7	28.6	28.6	29.1	29.0	29.1	28.6	28.3	28.3	27.7
138.5°	28.5	28.7	28.6	28.9	29.3	29.2	29.1	28.8	28.5	28.4	28.0
139°	28.7	28.9	28.7	29.0	29.5	29.4	29.2	28.8	28.7	28.6	28.1
139.5°	28.6	29.1	28.9	29.2	29.6	29.4	29.5	29.0	28.8	28.6	28.2
140°	28.8	29.5	29.0	29.6	29.7	29.6	29.6	29.2	28.8	28.7	28.4
140.5°	29.0	29.5	29.5	29.7	29.8	29.7	29.6	29.3	29.1	29.0	28.6
141°	29.6	29.5	29.6	29.7	29.8	29.7	29.7	29.6	29.3	29.0	28.7
141.5°	29.7	29.8	29.7	29.7	30.0	29.9	29.7	29.6	29.4	29.3	28.7
142°	29.7	30.0	29.7	29.8	30.1	29.9	29.8	29.8	29.6	29.4	29.0
142.5°	29.9	30.1	29.7	30.0	30.3	30.1	29.9	29.9	29.7	29.5	29.0
143°	30.1	30.7	29.7	30.1	30.5	30.3	30.0	30.0	29.9	29.7	29.1
143.5°	30.3	30.9	30.0	30.3	30.7	30.4	30.3	30.2	30.0	29.7	29.3
144°	30.8	31.0	30.1	30.6	30.9	30.5	30.4	30.3	30.1	29.9	29.4
144.5°	30.9	31.1	30.3	30.9	31.0	30.8	30.5	30.4	30.3	30.0	29.6
145°	30.9	31.4	30.7	30.9	31.3	30.9	30.8	30.7	30.5	30.2	29.7
145.5°	31.2	31.6	31.0	31.1	31.5	31.2	30.9	30.8	30.7	30.4	29.8
146°	31.3	31.9	30.9	31.2	31.6	31.4	31.1	31.0	30.9	30.5	29.9
146.5°	31.5	32.4	31.1	31.4	31.9	31.5	31.3	31.2	31.1	30.6	30.0
147°	31.7	32.4	31.3	31.5	32.0	31.9	31.5	31.4	31.2	30.8	30.2
147.5°	32.2	32.3	31.4	31.5	32.2	32.0	31.6	31.6	31.2	30.9	30.2
148°	32.3	32.4	31.5	31.7	32.3	32.2	31.8	31.6	31.4	30.9	30.3
148.5°	32.5	32.4	31.5	32.1	32.5	32.3	31.8	31.6	31.6	31.1	30.2
149°	32.5	32.6	31.6	32.1	32.7	32.5	31.8	31.6	31.6	31.1	30.2
149.5°	32.5	32.6	31.8	32.3	32.7	32.5	31.8	31.6	31.6	31.2	30.2
150°	32.7	32.6	32.0	32.3	32.7	32.5	31.8	31.6	31.6	31.2	30.2
150.5°	32.7	33.0	32.3	32.5	32.7	32.5	31.8	31.6	31.6	31.1	30.2
151°	32.8	33.1	32.4	32.5	32.7	32.5	31.8	31.6	31.6	31.1	30.2
151.5°	32.8	33.2	32.5	32.5	32.7	32.5	31.7	31.6	31.7	31.0	30.2
152°	32.8	33.2	32.6	32.5	32.8	32.6	31.7	31.7	31.7	31.0	30.2
152.5°	32.8	33.2	32.6	32.6	32.7	32.5	31.7	31.7	31.6	31.0	30.2
153°	32.8	33.2	32.5	32.6	32.6	32.5	31.7	31.5	31.4	31.0	30.3
153.5°	32.8	33.2	32.6	32.7	32.6	32.3	31.7	31.5	31.3	31.0	30.3
154°	32.8	33.2	32.6	32.6	32.3	32.2	31.6	31.4	31.3	31.0	30.2
154.5°	32.8	33.1	32.3	32.5	32.1	31.9	31.5	31.3	31.1	30.9	30.2
155°	32.8	33.1	32.3	32.4	31.9	31.7	31.4	31.1	31.1	30.9	30.0
155.5°	32.9	32.8	32.1	32.1	31.5	31.6	31.4	31.2	31.1	30.8	30.0
156°	32.9	32.7	32.0	32.1	31.4	31.4	31.2	31.0	31.0	30.4	29.8
156.5°	32.8	32.5	31.9	32.0	31.2	31.2	31.0	31.0	31.0	30.2	29.8
157°	32.5	32.4	31.7	31.8	31.1	31.1	31.0	31.1	31.0	30.1	29.6



TEST NUMBER: P601038
 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°	32.5	32.4	31.6	31.8	31.1	31.1	31.0	30.9	31.0	30.0	29.6
158°	32.4	32.2	31.5	31.6	31.0	31.2	31.0	30.9	30.6	30.0	29.6
158.5°	32.4	31.9	31.5	31.4	30.9	31.0	30.8	30.8	30.4	29.9	29.5
159°	32.1	31.9	31.3	31.3	30.8	30.9	30.5	30.6	30.2	29.7	29.3
159.5°	32.0	31.6	31.1	31.0	30.3	30.6	30.3	30.2	30.1	29.8	28.9
160°	32.0	31.6	31.0	30.9	30.3	30.3	30.1	30.2	30.0	29.6	28.8
160.5°	31.8	31.4	30.9	30.8	30.0	30.2	30.0	30.2	30.0	29.2	28.7
161°	31.7	31.3	30.8	30.5	29.8	29.9	29.9	30.1	29.7	28.9	28.7
161.5°	31.4	31.2	30.6	30.4	29.7	29.7	29.6	29.8	29.7	28.9	28.5
162°	31.2	31.1	30.3	30.2	29.8	29.6	29.6	29.7	29.7	28.8	28.4
162.5°	31.0	30.7	30.2	30.1	29.5	29.6	29.6	29.8	29.4	28.6	28.4
163°	30.7	30.6	30.0	30.0	29.0	29.3	29.5	29.8	29.0	28.7	28.4
163.5°	30.4	30.3	30.0	29.8	28.8	29.0	29.4	29.6	28.8	28.5	28.3
164°	30.1	30.0	29.9	29.8	28.7	28.7	29.1	29.3	28.6	28.4	28.2
164.5°	30.0	29.8	29.8	29.7	28.6	28.6	28.9	29.0	28.5	28.3	27.8
165°	29.9	29.8	29.7	29.7	28.5	28.6	28.7	28.7	28.5	27.9	27.7
165.5°	29.7	29.6	29.6	29.5	28.4	28.4	28.6	28.7	28.5	27.7	27.7
166°	29.5	29.4	29.6	29.4	28.4	28.4	28.6	28.7	28.3	27.6	27.6
166.5°	29.3	29.4	29.4	29.2	28.4	28.4	28.5	28.5	27.7	27.4	27.4
167°	29.1	29.2	29.1	29.0	28.3	28.3	28.4	28.5	27.6	27.3	27.3
167.5°	28.8	29.0	28.9	28.8	27.8	27.8	28.1	28.5	27.4	27.1	27.1
168°	28.6	28.8	28.7	28.5	27.7	27.7	27.7	28.3	27.1	26.9	27.0
168.5°	28.4	28.6	28.4	28.3	27.6	27.5	27.4	28.0	26.8	26.9	26.9
169°	28.2	28.3	28.3	28.0	27.4	27.4	27.2	27.4	26.9	26.9	26.9
169.5°	28.1	28.1	28.1	27.8	27.1	27.1	26.9	27.0	26.2	26.6	26.5
170°	27.8	27.9	27.8	27.7	27.1	27.0	26.9	26.8	26.0	26.1	26.1
170.5°	27.6	27.6	27.6	27.4	27.0	27.0	26.8	26.1	25.7	25.9	25.9
171°	27.4	27.5	27.4	27.2	27.1	27.0	26.2	25.8	25.6	25.7	25.8
171.5°	27.0	27.3	27.2	27.0	26.7	26.6	26.1	25.4	25.4	25.6	25.5
172°	26.8	26.9	26.8	26.7	26.2	26.2	25.8	24.9	25.2	25.4	25.4
172.5°	26.4	26.6	26.5	26.4	25.8	25.9	25.3	24.5	24.6	25.0	25.2
173°	26.0	26.0	26.0	25.9	25.4	25.5	24.8	24.3	24.2	24.4	24.6
173.5°	25.5	25.7	25.5	25.5	25.1	25.3	24.5	24.3	24.0	24.4	24.6
174°	25.5	25.7	25.5	25.5	25.0	25.3	24.5	24.3	24.1	24.4	24.7
174.5°	27.1	27.7	27.6	27.2	25.7	25.4	24.7	24.6	24.4	24.8	25.2
175°	28.5	29.0	28.9	28.7	27.6	26.9	26.5	26.5	26.3	26.6	27.0
175.5°	29.1	29.7	29.7	29.6	29.4	29.0	28.5	28.6	28.5	28.5	29.1
176°	29.6	30.1	30.2	29.7	30.0	29.8	29.7	29.7	29.6	29.6	29.9
176.5°	30.0	30.7	30.7	30.2	30.5	30.4	30.2	30.2	30.1	30.0	30.6
177°	30.9	30.9	31.0	31.0	31.0	30.9	30.8	30.8	30.8	30.7	31.1
177.5°	31.1	31.2	31.4	31.1	31.6	31.5	31.5	31.5	31.5	31.4	31.7
178°	31.3	31.3	31.6	31.5	31.6	31.7	31.7	31.5	31.9	31.9	32.1
178.5°	31.5	31.6	31.6	31.5	31.6	31.7	31.6	31.5	31.9	32.0	32.1
179°	31.7	31.7	31.6	31.7	31.6	31.6	31.7	31.5	31.8	32.0	32.0
179.5°	31.9	31.9	31.7	32.2	31.6	31.6	31.7	31.5	31.8	32.0	32.1



TEST NUMBER: P601038
CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	398.4	398.4	398.4	398.4	398.4	398.4
0.5°	398.5	398.4	398.4	398.4	398.4	398.3
1°	398.3	398.4	398.4	398.4	398.5	398.3
1.5°	398.3	398.4	398.5	398.4	398.5	398.3
2°	398.1	398.5	398.5	398.4	398.4	398.1
2.5°	398.1	398.5	398.3	398.3	398.1	397.9
3°	397.8	398.3	398.1	398.0	397.9	397.5
3.5°	397.8	398.1	397.7	397.7	397.7	397.3
4°	397.7	397.8	397.5	397.3	397.2	397.0
4.5°	397.4	397.6	397.2	397.0	396.9	396.7
5°	396.9	397.2	396.9	396.6	396.6	396.3
5.5°	396.7	396.8	396.5	396.3	396.2	395.5
6°	396.3	396.5	396.2	395.9	395.8	395.3
6.5°	396.0	396.0	395.5	395.4	395.2	395.1
7°	395.6	395.6	395.3	394.8	394.8	394.4
7.5°	395.1	395.1	394.8	394.5	394.2	393.6
8°	394.7	394.6	394.2	393.8	393.7	393.4
8.5°	394.1	394.1	393.6	393.3	393.1	392.8
9°	393.7	393.6	393.1	392.6	392.6	392.4
9.5°	393.1	393.0	392.3	392.0	391.9	391.8
10°	392.6	392.4	391.7	391.3	391.2	391.0
10.5°	392.0	391.7	391.2	390.6	390.5	390.3
11°	391.4	391.0	390.3	390.0	389.7	389.6
11.5°	390.7	390.3	389.6	389.2	389.1	388.7
12°	390.1	389.5	388.8	388.4	388.2	388.0
12.5°	389.4	388.7	388.0	387.5	387.3	387.2
13°	388.5	388.0	387.2	386.7	386.6	386.7
13.5°	387.9	387.1	386.3	385.9	385.6	385.5
14°	387.1	386.3	385.5	384.9	384.8	384.6
14.5°	386.2	385.5	384.5	383.9	384.0	383.9
15°	385.4	384.5	383.6	383.0	382.9	383.2
15.5°	384.4	383.5	382.8	382.3	382.2	382.0
16°	383.5	382.7	381.6	381.3	381.2	381.1
16.5°	382.5	381.8	380.9	380.2	380.2	380.1
17°	381.7	380.8	379.9	379.1	379.0	378.8
17.5°	380.9	379.6	378.8	377.9	377.9	377.7
18°	379.9	378.5	377.5	376.9	376.9	376.7
18.5°	378.8	377.4	376.6	375.8	375.7	375.4
19°	377.6	376.2	375.2	374.7	374.5	374.3
19.5°	376.6	375.0	374.1	373.5	373.2	373.1
20°	375.5	373.9	372.9	372.2	372.0	372.1
20.5°	374.4	372.6	371.6	370.9	370.7	370.8
21°	372.9	371.3	370.4	369.7	369.5	369.5
21.5°	371.7	370.1	369.0	368.2	368.1	368.2
22°	370.4	368.7	367.7	366.9	366.8	366.7



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	369.0	367.4	366.2	365.6	365.4	365.3
23°	367.8	366.1	364.9	364.2	363.9	363.9
23.5°	366.4	364.7	363.5	362.8	362.5	362.5
24°	365.0	363.3	362.0	361.3	361.0	361.1
24.5°	363.5	361.8	360.5	359.8	359.6	359.7
25°	362.2	360.3	359.0	358.3	358.0	358.1
25.5°	360.8	358.8	357.5	356.7	356.4	356.5
26°	359.3	357.2	356.0	355.2	354.9	354.9
26.5°	357.9	355.7	354.5	353.5	353.4	353.4
27°	356.2	354.1	352.7	352.0	351.6	351.7
27.5°	354.5	352.4	351.0	350.2	349.9	350.2
28°	353.1	350.8	349.5	348.5	348.5	348.5
28.5°	351.3	349.2	347.7	346.8	346.6	346.8
29°	349.7	347.5	346.1	345.2	344.6	344.9
29.5°	348.2	345.6	343.9	343.4	342.9	343.4
30°	346.3	343.9	342.5	341.7	341.2	341.3
30.5°	344.6	342.2	340.4	340.1	339.5	339.7
31°	342.8	340.4	339.1	338.2	337.8	338.1
31.5°	341.1	338.6	337.1	336.2	336.1	336.2
32°	339.3	336.8	335.5	334.5	334.3	334.5
32.5°	337.7	335.0	333.6	332.4	332.4	332.5
33°	335.8	333.1	331.5	330.8	330.2	330.6
33.5°	333.9	331.1	329.6	328.7	328.4	328.6
34°	332.0	329.2	327.6	326.7	326.3	326.6
34.5°	330.2	327.2	325.6	324.7	324.3	324.7
35°	328.0	325.4	323.6	322.6	322.5	322.7
35.5°	326.3	323.2	321.7	320.6	320.4	320.7
36°	324.2	321.2	319.7	318.5	318.3	318.6
36.5°	322.1	319.1	317.5	316.4	316.3	316.5
37°	320.2	317.1	315.4	314.4	314.3	314.4
37.5°	318.0	314.9	313.3	312.4	312.1	312.2
38°	316.2	312.8	311.2	310.3	309.9	310.2
38.5°	313.8	310.7	309.1	308.0	307.8	307.9
39°	311.9	308.6	306.8	305.9	305.6	305.9
39.5°	309.6	306.3	304.8	303.8	303.4	303.8
40°	307.5	304.1	302.5	301.5	301.3	301.6
40.5°	305.2	301.9	300.3	299.4	299.1	299.3
41°	303.2	299.7	298.3	297.1	296.9	297.1
41.5°	301.0	297.5	295.9	294.8	294.6	294.9
42°	298.7	295.4	293.9	292.7	292.5	292.8
42.5°	296.5	293.3	291.6	290.5	290.1	290.6
43°	294.2	291.0	289.3	288.3	288.2	288.3
43.5°	292.3	288.7	287.0	286.0	285.7	286.0
44°	289.9	286.4	284.6	283.6	283.4	283.8
44.5°	287.7	284.0	282.3	281.4	281.1	281.3



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	285.5	281.7	280.1	279.1	278.7	279.1
45.5°	283.1	279.5	277.7	276.7	276.4	276.9
46°	281.0	277.2	275.5	274.3	274.1	274.5
46.5°	278.6	274.7	273.1	272.1	271.7	272.1
47°	276.3	272.3	270.7	269.7	269.3	269.7
47.5°	273.9	270.0	268.3	267.3	267.0	267.5
48°	271.6	267.6	266.0	265.0	264.6	265.1
48.5°	269.2	265.4	263.5	262.6	262.3	262.7
49°	267.0	262.9	261.1	260.2	259.8	260.3
49.5°	264.6	260.5	258.7	257.6	257.4	257.8
50°	262.1	258.1	256.3	255.3	255.0	255.5
50.5°	259.8	255.6	254.0	252.9	252.7	253.0
51°	257.3	253.3	251.6	250.6	250.2	250.7
51.5°	255.0	250.9	249.4	248.2	247.9	248.3
52°	252.6	248.7	246.9	245.8	245.4	246.0
52.5°	250.0	246.1	244.5	243.4	243.0	243.5
53°	247.8	243.8	242.0	240.9	240.6	241.2
53.5°	245.4	241.3	239.5	238.5	238.3	238.7
54°	243.1	238.9	237.2	236.0	235.7	236.2
54.5°	240.6	236.4	234.7	233.7	233.3	233.6
55°	238.1	234.1	232.2	231.3	230.7	231.3
55.5°	235.6	231.5	229.7	228.7	228.3	228.8
56°	233.2	229.2	227.4	226.3	225.8	226.3
56.5°	230.8	226.6	224.8	223.7	223.3	223.9
57°	228.2	224.0	222.3	221.2	221.0	221.4
57.5°	225.6	221.6	219.7	218.6	218.4	218.8
58°	223.1	219.1	217.3	216.3	215.7	216.5
58.5°	220.8	216.7	214.9	213.8	213.3	214.0
59°	218.2	214.1	212.4	211.3	211.0	211.4
59.5°	215.8	211.6	209.9	208.7	208.4	209.0
60°	213.2	209.2	207.4	206.4	206.1	206.5
60.5°	210.6	206.6	205.1	204.0	203.5	204.2
61°	208.3	204.5	202.7	201.5	201.1	201.8
61.5°	205.7	201.9	200.1	199.0	198.6	199.3
62°	203.5	199.4	197.6	196.4	196.1	196.8
62.5°	201.1	197.0	195.0	194.0	193.6	194.3
63°	198.5	194.5	192.5	191.4	191.2	191.9
63.5°	196.1	192.0	190.1	188.9	188.6	189.3
64°	193.6	189.5	187.5	186.5	186.1	186.7
64.5°	191.0	187.0	185.0	183.9	183.7	184.3
65°	188.6	184.5	182.5	181.5	181.2	181.8
65.5°	186.0	182.0	180.1	179.1	178.7	179.4
66°	183.6	179.5	177.6	176.6	176.1	176.9
66.5°	181.1	177.0	175.2	174.1	173.9	174.4
67°	178.6	174.6	172.8	171.6	171.4	172.1



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	176.4	172.2	170.3	169.2	168.9	169.5
68°	173.8	169.7	167.9	166.8	166.5	167.1
68.5°	171.4	167.3	165.4	164.4	164.1	164.9
69°	169.0	164.9	163.0	162.0	161.8	162.4
69.5°	166.6	162.6	160.7	159.7	159.5	160.1
70°	164.2	160.3	158.3	157.3	157.1	157.8
70.5°	161.8	157.9	156.0	154.9	154.7	155.4
71°	159.6	155.5	153.6	152.6	152.4	153.2
71.5°	157.2	153.2	151.3	150.2	150.1	150.7
72°	154.8	151.0	149.0	147.9	147.8	148.4
72.5°	152.4	148.6	146.8	145.6	145.5	146.2
73°	150.1	146.3	144.4	143.4	143.2	143.8
73.5°	147.8	144.1	142.2	141.1	141.0	141.6
74°	145.5	141.9	139.9	138.9	138.7	139.3
74.5°	143.3	139.7	137.8	136.7	136.6	137.1
75°	140.9	137.3	135.5	134.4	134.3	134.9
75.5°	138.7	135.3	133.5	132.3	132.1	132.7
76°	136.4	133.0	131.2	130.0	129.8	130.6
76.5°	134.3	130.8	128.9	127.8	127.7	128.5
77°	132.0	128.7	126.9	125.7	125.5	126.4
77.5°	130.0	126.6	124.6	123.6	123.5	124.3
78°	127.8	124.5	122.6	121.5	121.4	122.1
78.5°	125.6	122.3	120.5	119.5	119.4	120.1
79°	123.5	120.3	118.5	117.7	117.6	118.1
79.5°	121.4	118.3	116.6	115.7	115.6	116.3
80°	119.2	116.4	114.7	113.6	113.5	114.1
80.5°	117.4	114.4	112.7	111.7	111.7	112.2
81°	115.4	112.5	110.7	109.6	109.6	110.3
81.5°	113.5	110.5	108.8	107.6	107.8	108.3
82°	111.3	108.5	106.8	105.8	105.8	106.4
82.5°	109.3	106.6	105.0	103.9	103.8	104.6
83°	107.5	104.7	103.1	102.1	102.1	102.7
83.5°	105.6	102.8	101.1	100.1	100.1	100.8
84°	103.6	101.0	99.3	98.4	98.3	99.0
84.5°	101.7	99.2	97.5	96.6	96.6	97.2
85°	99.9	97.5	95.8	94.9	94.9	95.4
85.5°	98.1	95.7	94.0	92.9	93.0	93.7
86°	96.3	93.9	92.3	91.3	91.3	92.0
86.5°	94.5	92.2	90.5	89.6	89.6	90.3
87°	92.7	90.5	88.8	88.0	88.0	88.7
87.5°	90.8	88.8	87.3	86.3	86.3	87.1
88°	89.3	87.2	85.6	84.7	84.7	85.4
88.5°	87.4	85.7	83.9	83.1	83.1	83.9
89°	85.8	83.9	82.3	81.5	81.5	82.2
89.5°	84.1	82.3	80.7	80.0	80.0	80.6



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	82.5	80.7	79.3	78.5	78.5	79.2
90.5°	80.8	79.1	77.8	76.9	76.9	77.6
91°	79.3	77.7	76.3	75.4	75.5	76.1
91.5°	77.8	76.2	74.8	74.0	74.1	74.7
92°	76.1	74.8	73.5	72.7	72.8	73.4
92.5°	74.6	73.5	72.1	71.3	71.5	72.0
93°	73.2	72.1	70.7	69.8	70.0	70.8
93.5°	72.1	70.7	69.3	68.6	68.6	69.3
94°	70.4	69.4	68.0	67.2	67.5	68.0
94.5°	68.8	68.0	66.8	66.1	65.9	66.7
95°	67.7	66.7	65.5	64.7	64.7	65.5
95.5°	66.6	65.4	64.2	63.5	63.4	64.2
96°	65.1	64.2	62.9	62.2	62.2	62.9
96.5°	63.8	62.9	61.8	61.0	61.0	61.9
97°	62.5	61.7	60.7	59.8	59.8	60.7
97.5°	61.2	60.5	59.5	58.7	58.7	59.5
98°	60.0	59.4	58.4	57.5	57.6	58.4
98.5°	58.9	58.3	57.2	56.4	56.5	57.3
99°	57.6	57.1	56.1	55.4	55.4	56.2
99.5°	56.5	56.1	55.2	54.3	54.3	55.2
100°	55.4	55.0	54.0	53.3	53.4	54.2
100.5°	54.3	54.0	53.0	52.3	52.4	53.2
101°	53.5	52.9	52.0	51.3	51.4	52.1
101.5°	52.0	51.9	51.1	50.4	50.4	51.2
102°	51.5	51.1	50.2	49.6	49.5	50.3
102.5°	50.3	49.9	49.2	48.4	48.7	49.2
103°	49.4	49.0	48.3	47.8	47.8	48.5
103.5°	48.3	48.1	47.5	47.0	46.7	47.6
104°	47.5	47.2	46.6	46.2	46.2	46.8
104.5°	46.3	46.4	45.4	45.4	45.4	46.0
105°	45.6	45.6	45.1	44.7	44.7	45.2
105.5°	44.9	44.8	44.4	44.0	43.9	44.5
106°	44.3	44.0	43.5	43.2	43.2	43.7
106.5°	43.3	43.2	42.9	42.6	42.6	42.9
107°	42.7	42.5	42.2	41.9	41.8	42.2
107.5°	41.9	41.8	41.5	41.3	41.2	41.7
108°	41.2	41.1	40.9	40.6	40.6	41.0
108.5°	40.4	40.4	40.2	40.1	39.9	40.4
109°	39.6	39.8	39.6	39.4	39.4	39.8
109.5°	39.0	39.2	39.0	38.9	38.8	39.2
110°	38.3	38.5	38.4	38.3	38.2	38.7
110.5°	37.8	37.9	37.8	37.8	37.7	38.1
111°	37.1	37.4	37.3	37.3	37.1	37.6
111.5°	36.5	36.8	36.7	36.7	36.6	37.0
112°	35.9	36.2	36.3	36.3	36.2	36.6



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	35.3	35.8	35.8	35.9	35.7	36.2
113°	35.0	35.3	35.3	35.3	35.3	35.6
113.5°	34.3	34.8	34.9	35.0	34.8	35.2
114°	34.0	34.3	34.5	34.6	34.4	34.8
114.5°	33.7	34.0	34.1	34.1	33.9	34.4
115°	33.0	33.5	33.5	33.7	33.5	33.9
115.5°	32.4	33.3	33.3	33.4	33.2	33.5
116°	32.2	32.8	32.8	33.0	32.8	33.1
116.5°	31.6	32.4	32.5	32.6	32.3	32.7
117°	31.2	32.0	32.2	32.2	31.9	32.3
117.5°	30.9	31.6	31.8	31.9	31.6	32.0
118°	30.5	31.3	31.5	31.5	31.2	31.7
118.5°	30.2	30.9	31.1	31.2	30.9	31.3
119°	29.8	30.6	30.8	30.9	30.5	31.0
119.5°	29.6	30.4	30.5	30.5	30.2	30.7
120°	29.5	30.0	30.3	30.3	29.8	30.5
120.5°	28.9	29.9	30.0	29.9	29.8	30.1
121°	28.6	29.7	29.9	29.9	29.6	30.0
121.5°	28.6	29.5	29.6	29.6	29.4	29.8
122°	28.4	29.3	29.5	29.4	29.2	29.8
122.5°	28.4	29.1	29.3	29.2	28.9	29.6
123°	28.0	29.0	29.1	29.1	28.7	29.5
123.5°	27.8	28.8	29.0	28.9	28.6	29.4
124°	27.5	28.6	28.8	28.6	28.4	29.2
124.5°	27.4	28.5	28.7	28.4	28.4	29.1
125°	27.2	28.4	28.5	28.3	28.2	29.1
125.5°	27.3	28.3	28.4	28.1	28.0	28.9
126°	27.2	28.2	28.4	28.0	28.0	28.8
126.5°	27.2	27.9	28.3	27.8	27.9	28.7
127°	27.2	27.9	28.1	27.8	27.7	28.6
127.5°	27.2	27.8	28.1	27.8	27.8	28.4
128°	27.2	27.8	28.0	27.6	27.7	28.4
128.5°	27.2	27.7	27.9	27.7	27.6	28.4
129°	27.2	27.7	27.9	27.6	27.6	28.3
129.5°	27.2	27.7	27.9	27.6	27.6	28.3
130°	27.2	27.7	27.9	27.6	27.6	28.3
130.5°	27.2	27.7	27.9	27.5	27.6	28.3
131°	27.2	27.7	27.8	27.5	27.6	28.3
131.5°	27.2	27.7	27.8	27.5	27.6	28.2
132°	27.2	27.7	27.8	27.5	27.6	28.2
132.5°	27.3	27.7	27.8	27.5	27.6	28.2
133°	27.4	27.7	27.8	27.5	27.6	28.2
133.5°	27.5	27.7	27.8	27.5	27.6	28.2
134°	27.6	27.7	27.8	27.5	27.6	28.2
134.5°	27.7	27.7	27.8	27.5	27.6	28.2



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	27.8	27.7	27.8	27.5	27.6	28.2
135.5°	27.8	27.7	27.8	27.5	27.6	28.3
136°	27.8	27.7	27.8	27.6	27.6	28.2
136.5°	28.0	27.7	27.8	27.6	27.6	28.2
137°	28.1	27.8	27.9	27.7	27.6	28.5
137.5°	28.2	28.1	27.9	27.8	27.7	28.5
138°	28.4	28.5	27.9	27.8	27.8	28.5
138.5°	28.5	28.4	28.4	28.3	28.2	28.5
139°	28.6	28.5	28.4	28.4	28.4	28.7
139.5°	28.8	28.5	28.5	28.4	28.4	28.6
140°	28.8	28.7	28.5	28.5	28.4	28.8
140.5°	28.8	28.6	28.7	28.6	28.6	29.0
141°	28.8	28.9	28.6	28.6	28.7	29.6
141.5°	29.0	29.1	28.9	28.7	28.8	29.7
142°	29.0	29.6	29.1	28.9	29.1	29.7
142.5°	29.1	29.7	29.5	29.1	29.6	29.9
143°	29.3	29.7	29.6	29.6	29.7	30.1
143.5°	29.4	29.9	29.6	29.7	29.7	30.3
144°	29.6	30.1	29.8	29.7	29.9	30.8
144.5°	29.8	30.2	30.1	29.7	30.0	30.9
145°	29.8	30.8	30.2	30.0	30.3	30.9
145.5°	30.1	31.0	30.3	30.2	30.6	31.2
146°	30.3	31.0	30.6	30.3	31.0	31.3
146.5°	30.4	31.2	30.9	30.7	31.0	31.5
147°	30.7	31.3	31.0	30.9	31.0	31.7
147.5°	30.9	31.4	31.0	31.0	31.2	32.2
148°	31.1	31.5	31.1	31.1	31.4	32.3
148.5°	31.1	31.6	31.2	31.1	31.6	32.5
149°	31.2	31.8	31.3	31.3	31.6	32.5
149.5°	31.1	32.1	31.5	31.5	32.0	32.5
150°	31.1	32.6	31.6	31.6	32.2	32.7
150.5°	31.1	32.5	31.6	31.7	32.5	32.7
151°	31.1	32.6	32.1	31.9	32.5	32.8
151.5°	31.1	32.5	32.1	32.0	32.5	32.8
152°	31.2	32.7	32.1	32.0	32.5	32.8
152.5°	31.2	32.7	32.1	31.9	32.6	32.8
153°	31.0	32.7	32.1	31.9	32.5	32.8
153.5°	30.9	32.5	32.1	31.9	32.5	32.8
154°	30.9	32.4	32.2	31.9	32.5	32.8
154.5°	30.6	32.2	32.2	31.9	32.5	32.8
155°	30.3	32.1	32.1	31.9	32.5	32.8
155.5°	30.2	31.9	32.0	31.9	32.5	32.9
156°	30.1	31.7	31.9	31.9	32.4	32.9
156.5°	30.0	31.6	31.8	31.9	32.2	32.8
157°	29.8	31.5	31.7	31.8	32.1	32.5



TEST NUMBER: P601038
 CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	29.7	31.3	31.7	31.8	32.1	32.5
158°	29.6	31.2	31.5	31.6	32.0	32.4
158.5°	29.6	31.1	31.5	31.5	31.8	32.4
159°	29.4	30.9	31.4	31.4	31.7	32.1
159.5°	29.2	30.9	31.2	31.4	31.7	32.0
160°	29.0	30.7	31.0	31.2	31.5	32.0
160.5°	28.8	30.7	31.0	31.0	31.5	31.8
161°	28.6	30.4	30.9	30.9	31.4	31.7
161.5°	28.6	30.3	30.7	30.9	31.2	31.4
162°	28.5	30.1	30.5	30.7	31.0	31.2
162.5°	28.5	29.8	30.4	30.6	30.9	31.0
163°	28.5	29.7	30.2	30.5	30.8	30.7
163.5°	28.4	29.6	30.1	30.3	30.8	30.4
164°	28.2	29.5	29.8	30.2	30.6	30.1
164.5°	28.0	29.2	29.9	30.1	30.4	30.0
165°	27.8	29.1	29.7	30.1	30.4	29.9
165.5°	27.7	29.0	29.6	29.8	30.2	29.7
166°	27.6	28.9	29.4	29.9	29.9	29.5
166.5°	27.5	28.7	29.2	29.8	29.8	29.3
167°	27.3	28.5	29.0	29.7	29.6	29.1
167.5°	27.1	28.3	28.7	29.4	29.2	28.8
168°	26.9	27.9	28.4	29.2	29.0	28.6
168.5°	27.0	27.8	28.2	28.8	28.5	28.4
169°	27.0	27.7	27.9	28.3	28.2	28.2
169.5°	26.5	27.4	27.7	27.8	27.8	28.1
170°	26.2	27.2	27.5	27.3	27.7	27.8
170.5°	26.0	26.9	27.1	26.9	27.4	27.6
171°	25.7	26.7	26.8	26.5	27.1	27.4
171.5°	25.6	26.4	26.4	25.9	26.7	27.0
172°	25.5	26.0	25.9	25.4	26.3	26.8
172.5°	25.3	25.5	25.2	24.8	25.7	26.4
173°	24.7	24.9	24.6	24.4	25.1	26.0
173.5°	24.7	24.6	24.2	24.0	24.6	25.5
174°	24.7	24.6	24.3	24.0	24.5	25.5
174.5°	24.9	26.7	26.2	26.0	26.3	27.1
175°	26.9	28.2	27.7	27.7	27.9	28.5
175.5°	29.1	28.6	28.5	28.6	28.6	29.1
176°	30.2	29.4	29.2	29.1	29.3	29.6
176.5°	30.8	29.9	29.8	29.8	29.8	30.0
177°	31.3	30.6	30.6	30.4	30.7	30.9
177.5°	31.7	30.9	30.9	31.0	31.0	31.1
178°	31.7	31.0	31.0	31.2	31.3	31.3
178.5°	31.7	31.3	31.3	31.4	31.5	31.5
179°	31.7	31.4	31.4	31.5	31.7	31.7
179.5°	31.7	31.7	31.5	31.5	31.8	31.9



TEST NUMBER: P601038
CATALOG NUMBER: FM159S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	32.2	32.2	32.2	32.2	32.2	32.2

(END OF REPORT)