

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: P601027

Luminaire Tested: FM159S1EWHR_3000K

Issue Date: 3/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P601027
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_3000K
Description: FM159S1EWHR at 3000K
Light Source: -
Ballast/Driver: -

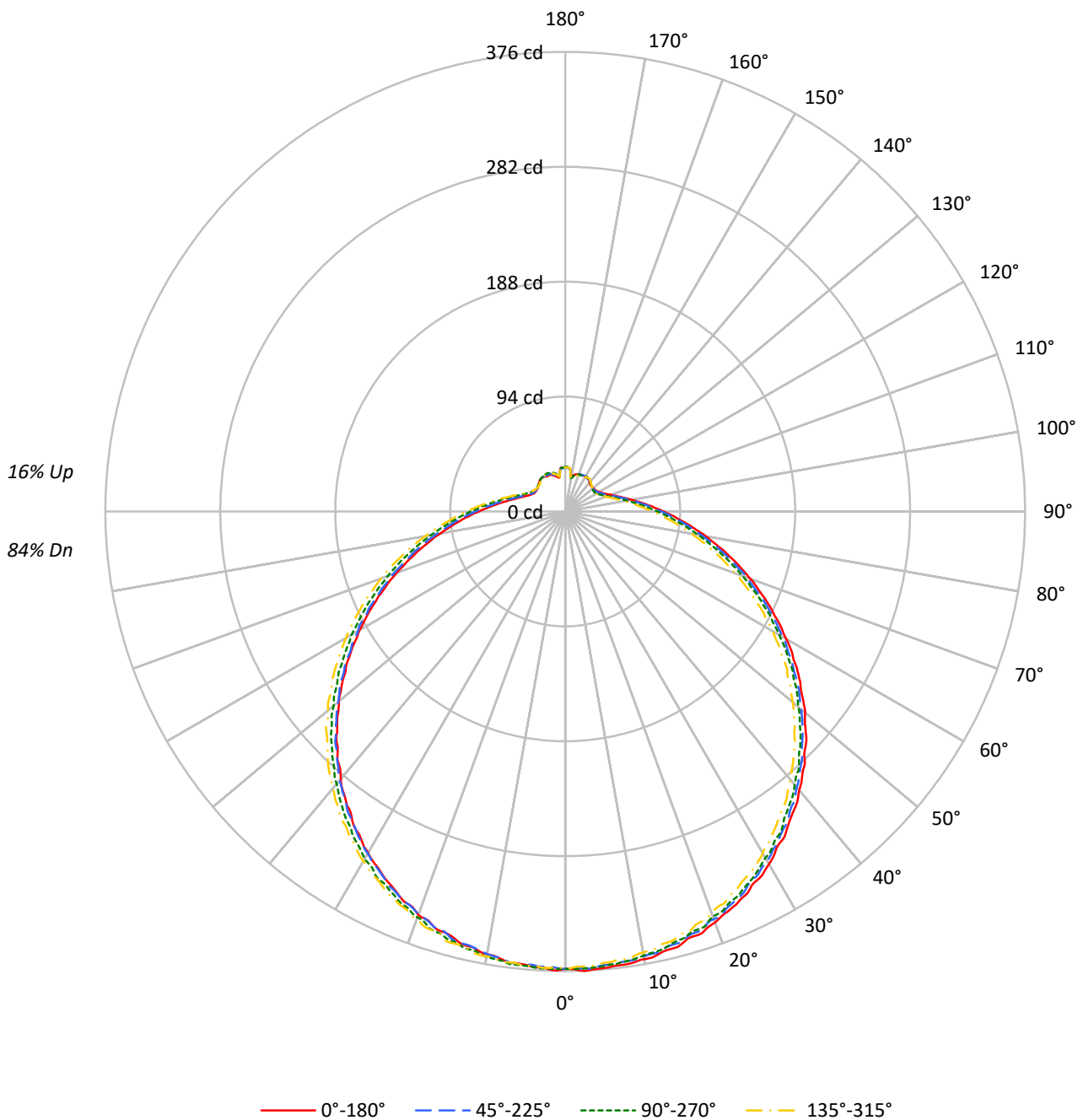
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1563.3 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 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: P601027
CATALOG NUMBER: FM159S1EWHR_3000K

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°	3283	3283	3283	3283
5°	3207	3194	3185	3191
10°	3127	3102	3091	3111
15°	3055	3022	2996	3027
20°	2977	2934	2920	2940
25°	2904	2863	2822	2855
30°	2825	2775	2734	2782
35°	2742	2695	2640	2689
40°	2659	2608	2548	2596
45°	2570	2522	2456	2507
50°	2494	2427	2354	2408
55°	2405	2345	2256	2327
60°	2313	2243	2154	2236
65°	2230	2146	2049	2143
70°	2147	2057	1955	2057
75°	2074	1975	1868	1986
80°	2028	1914	1802	1938
85°	2020	1904	1787	1941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 337.5°
 Vertical Angle: 45°
 Luminance: 2578 cd/sqm



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	2.3
10°-20°	102.4	6.6
20°-30°	157.5	10.1
30°-40°	194.2	12.4
40°-50°	208.7	13.4
50°-60°	201.4	12.9
60°-70°	175.8	11.2
70°-80°	139.2	8.9
80°-90°	100.8	6.4
90°-100°	69.1	4.4
100°-110°	47.0	3.0
110°-120°	33.6	2.1
120°-130°	26.7	1.7
130°-140°	23.6	1.5
140°-150°	20.7	1.3
150°-160°	15.3	1.0
160°-170°	8.7	0.6
170°-180°	3.1	0.2
0°-30°	295.4	18.9
0°-40°	489.6	31.3
0°-60°	899.7	57.6
0°-90°	1315.4	84.1
90°-120°	149.7	9.6
90°-150°	220.7	14.1
90°-180°	248.0	15.9
0°-180°	1563.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	374	374	374	374	374	
5°	375	373	372	373	375	36
15°	367	363	360	363	367	103
25°	347	342	337	341	347	160
35°	316	311	305	310	316	198
45°	277	272	265	270	277	214
55°	233	227	218	225	233	208
65°	185	178	170	178	185	183
75°	138	131	124	132	138	146
85°	97	92	86	93	97	83
90°	80	75	71	77	80	44
95°	66	62	58	64	66	52
105°	46	43	41	46	46	50
115°	35	32	32	35	35	35
125°	30	29	29	31	30	27
135°	30	30	31	30	30	23
145°	32	33	33	34	32	20
155°	33	32	32	34	33	15
165°	31	30	30	32	31	9
175°	36	36	36	36	36	3
180°	36	36	36	36	36	



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3
0.5°	374.3	374.3	374.3	374.2	374.3	374.1	374.0	374.3	374.9	374.8	374.0
1°	374.6	374.2	374.2	374.2	374.3	373.5	373.0	374.3	375.5	374.7	373.6
1.5°	375.3	374.4	374.2	374.2	374.3	373.1	372.6	374.3	375.5	374.6	372.9
2°	376.0	374.5	374.1	374.2	374.3	373.1	372.6	374.3	374.9	374.2	372.8
2.5°	376.3	374.5	374.0	374.2	374.2	373.2	372.6	374.2	373.8	374.1	372.8
3°	375.9	374.6	374.6	373.8	373.9	373.1	372.5	373.5	373.6	373.6	372.8
3.5°	375.3	374.6	375.4	373.8	373.9	372.9	372.2	372.9	373.6	372.7	372.8
4°	375.1	374.4	373.6	373.7	373.8	372.2	371.5	372.8	373.5	372.7	372.1
4.5°	374.9	374.4	372.7	373.5	373.6	371.9	370.9	372.9	373.0	372.7	371.8
5°	374.9	374.4	372.5	373.2	373.4	371.5	370.6	372.7	372.4	372.7	371.9
5.5°	374.7	374.4	372.5	372.6	372.7	371.3	370.6	372.1	371.9	372.4	372.1
6°	374.1	374.3	372.5	372.2	372.6	371.3	370.4	371.9	371.6	371.6	372.1
6.5°	374.0	373.6	372.5	372.2	372.5	371.3	369.6	371.8	371.8	370.7	372.1
7°	373.8	372.9	371.5	372.3	371.8	371.1	369.4	371.1	371.9	370.0	371.7
7.5°	373.8	372.7	371.3	372.1	371.6	370.3	369.5	370.2	371.3	369.8	370.7
8°	373.8	372.7	371.3	371.6	371.1	369.8	369.4	369.7	370.2	369.7	369.5
8.5°	373.3	372.8	371.3	371.2	370.8	369.9	368.8	369.4	369.2	369.6	368.9
9°	372.7	372.7	371.3	370.9	370.3	369.9	367.7	368.7	368.4	368.4	368.7
9.5°	372.0	371.6	370.4	370.3	369.6	369.8	366.8	367.9	367.9	367.4	368.1
10°	371.9	370.9	369.5	369.2	368.9	368.9	366.3	367.9	367.6	367.4	367.6
10.5°	371.9	370.9	369.1	368.2	368.2	367.6	366.0	368.0	367.6	368.1	366.8
11°	371.9	371.0	368.9	367.9	368.0	366.6	365.8	367.7	366.8	367.6	366.3
11.5°	371.0	370.9	368.9	367.5	368.0	365.5	365.4	366.2	365.4	366.6	365.0
12°	370.0	369.2	368.8	367.2	367.5	364.9	364.0	364.6	364.5	364.9	364.3
12.5°	369.0	367.8	368.0	366.5	367.1	364.4	362.7	363.5	364.5	363.7	363.6
13°	368.3	367.4	366.1	365.4	366.1	364.0	362.6	363.5	364.3	362.9	363.4
13.5°	368.2	367.3	365.4	364.9	365.0	363.9	362.5	363.5	364.0	362.8	363.4
14°	368.2	367.4	365.1	364.5	363.8	363.2	362.0	363.4	362.6	362.7	363.2
14.5°	367.9	367.0	365.1	363.6	363.1	361.9	360.8	362.1	361.1	361.9	362.4
15°	366.7	366.1	364.9	362.9	362.8	360.8	359.1	360.1	359.7	360.6	361.3
15.5°	365.0	365.1	363.9	362.4	362.5	360.2	358.4	358.8	358.7	358.9	359.5
16°	363.5	363.9	362.0	362.0	361.3	360.1	358.3	358.7	358.1	357.6	357.7
16.5°	363.1	362.7	361.0	361.5	359.6	359.3	358.1	358.8	358.1	357.2	357.0
17°	363.1	361.8	360.6	360.6	358.8	358.3	356.5	358.0	357.9	356.3	357.0
17.5°	363.1	361.2	360.6	358.7	358.7	357.1	354.6	356.1	356.6	355.2	356.5
18°	362.6	361.1	360.6	357.2	358.6	355.6	353.8	353.8	354.5	354.1	355.0
18.5°	360.9	360.8	359.0	356.9	358.4	354.4	353.6	352.8	352.8	352.9	353.4
19°	359.5	359.5	356.5	356.6	356.4	353.6	353.2	352.7	352.3	352.1	352.3
19.5°	358.7	357.6	355.2	356.0	354.2	353.0	351.7	352.3	352.1	351.2	351.3
20°	357.9	356.1	354.9	354.0	352.8	352.4	349.7	351.2	351.1	349.9	350.4
20.5°	356.8	355.4	354.9	351.9	352.2	351.3	348.1	349.5	349.1	348.7	349.1
21°	355.3	354.9	354.6	351.4	352.1	350.2	346.9	347.6	347.1	347.4	347.7
21.5°	354.1	354.2	353.1	351.1	351.3	348.9	346.2	346.6	346.1	346.3	346.4
22°	353.4	353.4	350.7	350.5	349.6	347.3	346.1	345.9	345.8	345.7	345.8



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 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	352.4	351.7	349.6	349.1	347.8	346.2	344.4	344.7	345.1	344.4	344.9
23°	351.5	349.7	348.7	347.1	346.5	345.3	342.4	343.2	343.7	342.5	343.8
23.5°	350.6	348.6	347.7	345.3	345.8	343.8	341.2	341.6	341.9	341.1	342.3
24°	349.1	347.6	346.6	344.1	345.1	341.9	340.5	340.1	340.1	339.7	340.8
24.5°	347.9	346.7	345.6	343.1	344.0	340.5	339.1	339.2	338.6	338.4	339.5
25°	347.1	345.7	344.6	342.1	342.2	339.5	337.4	338.1	337.3	337.1	338.8
25.5°	346.0	344.7	342.7	340.9	340.7	338.7	335.7	337.0	336.2	335.9	337.3
26°	344.0	342.8	340.6	339.4	339.3	337.3	334.5	335.9	334.9	335.0	335.5
26.5°	341.9	340.7	339.2	337.9	338.2	336.0	333.3	334.2	333.4	333.4	333.7
27°	340.6	339.7	338.2	336.9	337.1	334.5	332.2	332.7	331.6	331.6	332.2
27.5°	340.1	338.8	337.3	335.9	335.6	332.8	331.1	331.1	329.9	329.9	330.7
28°	339.2	337.6	336.1	334.1	334.1	330.9	329.7	329.3	328.5	328.7	329.4
28.5°	338.1	335.8	334.1	332.2	332.4	329.6	328.2	327.3	327.3	327.3	328.0
29°	336.4	334.1	332.4	330.4	330.6	328.5	326.5	325.7	325.9	325.5	326.6
29.5°	334.7	333.0	331.4	329.4	328.7	327.1	325.0	324.4	324.3	323.5	324.6
30°	333.1	332.4	330.3	328.8	327.2	325.8	322.9	323.2	322.3	322.2	323.0
30.5°	331.8	331.5	328.9	327.5	326.4	323.7	320.9	321.6	320.9	321.1	322.0
31°	330.2	329.3	327.0	325.7	325.2	321.8	319.2	319.3	319.7	319.3	320.2
31.5°	328.0	327.0	325.0	323.6	323.4	320.4	318.0	317.7	317.6	317.2	318.0
32°	325.6	325.5	323.7	321.6	321.2	319.0	316.4	316.4	315.3	315.1	316.5
32.5°	323.8	324.3	322.7	319.8	319.1	317.2	314.5	314.4	313.5	313.1	315.0
33°	322.8	322.4	320.6	318.0	317.9	315.1	312.6	312.3	312.2	311.9	313.0
33.5°	322.1	320.4	318.2	316.4	317.0	313.0	310.9	310.6	311.1	310.8	310.9
34°	321.0	318.4	316.6	315.0	315.7	311.1	308.9	309.4	309.5	308.9	308.9
34.5°	318.7	316.8	315.1	313.8	313.6	310.0	307.1	308.4	307.3	306.4	307.1
35°	316.4	315.3	313.8	311.9	310.9	308.8	305.5	306.7	304.6	303.8	305.7
35.5°	314.3	313.8	312.3	309.6	308.4	307.0	303.5	303.9	302.3	302.1	304.4
36°	312.4	312.5	310.6	307.3	306.8	305.0	301.5	301.4	300.6	301.7	302.9
36.5°	310.7	310.6	308.1	305.9	305.3	302.6	300.3	299.6	299.5	300.9	300.4
37°	309.1	308.3	305.9	304.6	303.2	300.3	298.7	298.4	297.7	298.8	297.8
37.5°	307.5	306.6	304.1	302.4	301.5	298.7	297.0	296.6	295.5	296.1	295.8
38°	306.1	304.4	303.0	299.9	299.9	298.1	294.7	294.0	293.5	293.5	294.3
38.5°	304.4	302.4	301.6	297.9	298.5	296.5	292.2	291.8	291.9	291.3	292.6
39°	302.3	300.5	299.0	296.5	296.5	293.7	290.0	290.1	290.1	289.7	290.6
39.5°	299.8	299.1	296.6	295.4	294.3	291.0	288.4	288.4	288.0	287.9	288.8
40°	297.7	297.7	294.5	293.8	292.0	288.8	286.5	286.3	285.3	285.2	286.9
40.5°	296.1	295.4	293.0	291.1	289.9	287.0	284.4	283.8	282.8	282.7	284.9
41°	294.4	292.7	291.1	288.3	287.6	285.0	282.2	281.5	280.3	280.7	282.5
41.5°	292.1	290.5	288.7	286.2	285.9	283.1	280.1	279.8	278.5	278.9	279.9
42°	289.8	288.5	286.5	284.8	285.0	281.4	278.3	278.0	276.9	277.4	278.0
42.5°	287.6	286.9	284.6	283.5	283.0	279.4	276.0	275.9	275.5	275.5	276.1
43°	286.3	285.1	282.8	281.6	280.3	276.9	273.7	273.7	272.9	273.4	273.7
43.5°	284.6	283.2	281.1	278.6	277.6	274.5	271.7	271.3	270.1	270.8	271.3
44°	281.8	280.7	278.9	275.4	275.2	272.4	269.7	269.0	267.8	267.9	269.4
44.5°	278.7	278.3	276.3	273.4	273.5	270.6	267.6	267.0	266.4	265.3	267.9



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	276.8	275.9	273.6	271.8	271.7	268.4	265.5	264.7	264.6	263.4	266.0
45.5°	275.3	273.6	271.5	269.9	269.6	266.4	262.8	262.3	262.2	262.1	263.1
46°	273.7	271.9	269.6	267.2	267.5	264.2	260.6	260.1	259.3	260.3	260.4
46.5°	271.9	269.9	267.6	264.7	265.3	262.0	258.7	257.9	256.9	257.5	258.5
47°	269.3	267.7	265.5	262.9	262.7	259.5	256.5	255.6	254.8	254.4	256.4
47.5°	266.8	264.8	263.2	261.5	260.4	256.9	254.1	253.6	252.8	252.2	253.8
48°	264.3	262.4	260.9	259.3	258.2	255.0	252.0	251.2	250.5	250.9	251.6
48.5°	261.8	260.3	258.9	256.7	256.0	252.9	249.8	249.0	247.9	249.2	249.5
49°	259.6	258.8	256.6	254.0	253.8	250.6	247.5	246.6	245.5	246.7	247.2
49.5°	257.8	257.2	254.2	251.5	251.6	248.4	245.3	243.9	243.3	243.8	244.7
50°	256.0	255.0	251.9	249.4	249.1	246.5	242.9	241.6	241.6	241.0	242.3
50.5°	253.9	252.1	249.5	247.5	246.6	244.1	240.4	239.9	239.3	238.8	239.9
51°	251.2	248.9	247.1	245.7	244.7	241.7	238.0	238.1	236.6	236.9	237.7
51.5°	248.9	246.6	245.2	243.5	242.8	239.1	236.0	235.8	234.1	234.8	235.8
52°	246.2	244.9	243.2	240.3	240.6	236.8	234.0	233.3	232.1	232.4	233.9
52.5°	243.5	243.3	241.0	237.5	238.3	234.4	231.6	230.6	229.8	229.9	231.8
53°	241.3	241.0	238.7	235.2	235.6	232.0	228.9	228.4	227.3	227.0	229.1
53.5°	239.4	238.0	236.4	233.3	232.8	230.4	226.4	226.2	224.4	224.6	226.2
54°	237.5	235.5	233.7	231.4	230.7	228.3	224.5	223.9	222.0	222.8	223.7
54.5°	235.2	233.2	231.1	229.2	228.8	225.5	222.9	221.7	220.2	220.8	221.8
55°	232.8	231.2	228.5	227.0	227.0	222.9	220.6	219.5	218.3	218.3	220.0
55.5°	230.4	228.6	226.3	224.3	224.6	220.6	217.7	216.9	215.8	215.6	217.5
56°	228.2	226.0	224.3	221.7	221.8	218.3	214.7	214.0	213.0	213.1	214.8
56.5°	225.4	223.7	222.2	219.5	219.2	216.0	212.2	211.3	210.4	210.7	212.0
57°	222.8	221.5	219.7	217.3	216.6	213.4	210.4	209.2	208.2	208.3	209.4
57.5°	220.8	219.3	217.0	214.9	214.4	210.8	208.3	207.1	206.0	205.9	207.4
58°	218.9	216.7	214.6	212.4	212.3	208.4	205.6	204.7	203.4	203.5	205.7
58.5°	216.6	214.0	212.4	210.0	209.8	206.1	202.8	202.1	200.6	201.1	203.4
59°	213.9	211.6	210.5	207.2	207.1	203.7	200.2	199.5	198.1	198.8	200.4
59.5°	211.3	209.3	208.5	204.6	204.4	201.3	198.1	197.3	196.5	196.9	197.7
60°	208.6	207.2	205.8	202.6	202.3	198.9	196.3	194.9	194.3	194.6	195.6
60.5°	205.9	204.8	202.9	200.5	200.0	196.7	193.8	192.1	191.4	192.2	194.0
61°	203.7	202.2	200.3	198.1	197.3	194.2	191.0	189.6	188.9	189.4	192.2
61.5°	201.5	199.7	198.0	195.8	194.6	191.5	188.1	187.3	186.6	186.6	189.5
62°	199.3	197.8	195.8	193.5	192.1	189.1	185.7	185.4	184.4	184.3	186.4
62.5°	196.8	195.7	193.3	191.2	190.3	186.8	183.5	183.1	182.1	182.5	183.6
63°	194.2	193.4	190.8	188.3	188.4	184.4	181.8	180.4	179.5	180.6	181.5
63.5°	191.7	190.6	188.3	185.7	185.7	182.1	179.5	177.9	176.9	178.1	179.9
64°	189.3	187.7	186.1	183.7	182.8	179.7	176.8	175.4	174.4	175.1	177.5
64.5°	187.1	185.3	183.9	181.5	180.1	177.1	173.9	173.0	172.0	172.4	174.7
65°	184.9	183.1	181.6	179.3	177.9	174.6	171.5	170.4	169.9	170.2	172.2
65.5°	182.5	181.0	179.3	176.5	175.9	172.3	169.1	168.0	167.9	168.2	169.8
66°	180.2	178.6	176.6	174.0	173.7	170.0	166.9	165.7	165.1	166.0	167.6
66.5°	177.7	176.1	174.1	171.7	171.2	167.7	164.6	163.4	162.6	163.4	165.2
67°	175.2	173.7	171.7	169.4	168.6	165.1	162.2	161.2	160.4	161.0	163.3



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	172.6	171.4	169.3	166.9	165.9	162.7	159.8	158.7	158.2	158.7	161.0
68°	170.2	169.2	166.9	164.3	163.5	160.9	157.3	156.3	156.0	156.6	158.3
68.5°	168.2	167.1	164.4	162.3	161.4	158.6	155.0	154.0	153.6	154.4	155.9
69°	165.9	164.5	162.2	160.2	158.9	156.1	153.1	151.8	151.1	152.1	154.0
69.5°	163.7	162.0	159.8	157.8	156.6	153.5	151.0	149.4	148.9	149.7	152.0
70°	161.0	159.3	158.0	155.1	154.3	151.0	148.4	146.9	146.6	147.4	149.7
70.5°	158.6	157.1	156.0	152.7	152.0	148.8	145.8	144.8	144.2	145.1	147.2
71°	156.4	154.9	153.7	150.5	149.7	146.7	143.3	142.7	141.7	142.9	144.8
71.5°	154.1	152.8	150.9	148.5	147.5	144.1	140.9	140.3	139.4	140.9	142.5
72°	151.8	150.4	148.2	146.4	145.0	141.4	138.9	138.0	137.3	138.7	140.3
72.5°	149.7	148.0	146.1	144.1	142.8	139.2	136.7	135.8	135.3	136.3	138.1
73°	147.2	145.5	144.1	141.6	140.7	137.4	134.5	133.5	132.9	133.7	135.8
73.5°	145.0	143.2	142.1	139.3	138.3	135.4	132.4	131.2	130.6	131.5	133.5
74°	142.6	141.1	139.7	137.0	135.8	133.0	130.2	128.7	128.5	129.5	131.6
74.5°	140.3	138.9	137.3	134.6	133.5	130.7	127.9	126.7	126.4	127.6	130.0
75°	138.0	136.8	134.9	132.5	131.4	128.3	125.8	124.7	124.3	125.4	127.8
75.5°	135.9	134.6	132.8	130.5	129.3	126.2	123.5	122.6	122.2	123.0	125.5
76°	133.8	132.5	130.7	128.4	127.3	123.8	121.3	120.5	119.9	120.9	123.0
76.5°	131.6	130.6	128.7	126.5	124.9	121.7	119.2	118.3	117.8	119.0	120.7
77°	129.3	128.3	126.7	124.1	122.7	119.9	117.0	116.2	115.6	117.3	119.0
77.5°	127.1	125.8	124.2	121.7	120.5	117.9	114.8	114.2	113.7	115.3	117.1
78°	124.8	123.6	121.8	119.5	118.5	115.6	112.8	112.1	111.7	112.9	115.0
78.5°	122.7	121.8	119.7	117.5	116.4	113.3	110.9	110.0	109.9	110.6	112.9
79°	120.7	119.9	117.8	115.8	114.3	111.2	108.8	107.8	108.0	108.4	110.9
79.5°	118.8	117.8	115.8	114.0	112.2	109.4	106.7	105.8	105.8	106.7	108.9
80°	116.7	115.4	113.7	111.9	110.1	107.5	104.8	104.0	103.7	105.2	106.9
80.5°	114.9	113.3	111.6	109.8	108.3	105.7	103.0	102.3	101.9	103.3	105.0
81°	112.6	111.3	109.8	107.7	106.4	103.7	101.2	100.4	100.0	101.1	103.1
81.5°	110.6	109.4	107.7	105.8	104.3	101.7	99.1	98.3	98.1	99.2	101.3
82°	108.4	107.4	105.9	103.9	102.4	99.7	97.0	96.3	96.4	97.3	99.3
82.5°	106.4	105.5	103.9	102.0	100.7	97.8	95.4	94.4	94.6	95.5	97.3
83°	104.4	103.4	102.1	100.1	98.8	96.0	93.7	92.8	92.9	93.8	95.5
83.5°	102.8	101.7	100.3	98.3	96.9	94.2	92.2	91.4	91.1	92.3	94.0
84°	100.9	100.0	98.6	96.5	95.0	92.5	90.5	89.7	89.1	90.7	92.4
84.5°	99.0	98.0	96.7	94.7	93.1	90.9	88.6	87.9	87.7	88.8	90.9
85°	97.2	96.0	94.9	93.0	91.6	89.1	86.7	86.1	86.0	86.8	89.0
85.5°	95.2	94.2	93.2	91.2	90.0	87.5	85.1	84.4	84.4	85.3	87.2
86°	93.5	92.8	91.7	89.6	88.2	85.7	83.5	82.6	82.7	84.0	85.4
86.5°	91.8	91.1	90.0	88.2	86.4	84.1	82.0	81.0	81.0	82.6	83.9
87°	90.1	89.4	88.3	86.5	84.5	82.3	80.4	79.5	79.4	80.9	82.6
87.5°	88.6	87.7	86.4	84.9	83.1	80.7	78.9	78.2	78.1	79.1	81.1
88°	87.0	86.1	84.9	83.3	81.5	79.2	77.4	76.7	76.8	77.5	79.4
88.5°	85.2	84.3	83.3	81.7	80.0	77.8	75.9	75.1	75.2	76.1	77.8
89°	83.4	82.8	81.8	80.1	78.5	76.2	74.4	73.6	73.7	74.8	76.2
89.5°	81.9	81.2	80.2	78.6	76.9	74.6	72.8	72.2	72.2	73.4	74.7



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	80.5	79.8	78.7	77.1	75.4	73.1	71.5	70.8	70.7	71.8	73.5
90.5°	79.0	78.3	77.1	75.7	74.0	71.7	70.2	69.5	69.4	70.4	72.2
91°	77.5	76.7	75.8	74.4	72.4	70.5	68.7	68.2	68.2	69.2	70.8
91.5°	75.8	75.3	74.4	73.0	70.9	69.1	67.2	66.8	66.8	67.9	69.4
92°	74.4	73.8	73.1	71.6	69.5	67.9	65.9	65.4	65.5	66.7	68.1
92.5°	73.0	72.5	71.6	70.1	68.3	66.4	64.8	64.1	64.2	65.4	66.7
93°	71.9	71.1	70.1	68.7	67.1	65.1	63.6	62.8	62.9	64.1	65.5
93.5°	70.6	69.7	68.8	67.4	65.7	63.8	62.2	61.6	61.7	62.8	64.3
94°	69.1	68.4	67.7	66.2	64.4	62.6	61.2	60.6	60.7	61.6	63.0
94.5°	67.7	67.3	66.4	65.1	63.0	61.5	59.8	59.5	59.6	60.5	61.9
95°	66.4	66.0	65.0	63.8	61.8	60.1	58.8	58.3	58.4	59.3	60.6
95.5°	65.2	64.6	63.6	62.5	60.6	58.9	57.8	57.4	57.3	58.2	59.4
96°	64.1	63.3	62.5	61.1	59.6	58.0	56.9	56.3	56.3	57.3	58.3
96.5°	62.8	62.3	61.5	60.1	58.4	57.2	56.0	55.1	55.3	56.3	57.5
97°	61.5	61.1	60.4	59.0	57.4	56.1	54.5	54.1	54.2	55.2	56.6
97.5°	60.4	60.1	59.3	58.1	56.2	54.8	53.5	53.0	53.2	54.3	55.6
98°	59.4	59.0	58.2	56.9	55.1	53.7	52.6	52.1	52.5	53.3	54.2
98.5°	58.4	58.0	57.1	55.9	54.2	52.8	51.6	51.1	51.5	52.2	53.2
99°	57.3	56.9	56.0	55.0	53.2	51.8	50.7	50.2	50.5	51.3	52.6
99.5°	56.3	55.7	55.1	53.9	52.2	50.9	49.7	49.5	49.5	50.5	51.6
100°	55.2	54.8	54.1	52.9	51.1	49.9	48.7	48.5	48.6	49.5	50.7
100.5°	54.3	53.9	53.2	51.9	50.1	49.0	48.0	47.6	47.9	48.7	49.8
101°	53.2	52.8	52.2	51.0	49.5	48.1	47.2	46.8	47.3	47.9	48.8
101.5°	52.4	51.7	51.3	50.1	48.6	47.1	46.2	46.0	46.3	47.3	47.9
102°	51.5	50.8	50.3	49.3	47.7	46.2	45.4	45.3	45.4	46.4	47.3
102.5°	50.6	50.1	49.3	48.5	46.7	45.4	44.6	44.5	44.6	45.5	46.3
103°	49.4	49.3	48.4	47.7	45.8	44.6	44.0	43.8	44.3	44.7	45.6
103.5°	48.7	48.5	47.7	46.8	45.1	44.1	43.3	43.0	43.2	44.1	44.9
104°	47.9	47.2	46.9	46.0	44.3	43.2	42.7	42.3	42.6	43.3	44.1
104.5°	47.3	46.3	46.1	45.1	43.7	42.3	41.8	41.8	42.0	42.9	43.4
105°	46.5	45.8	45.2	44.5	43.0	41.8	41.0	41.0	41.3	42.1	42.9
105.5°	45.6	45.1	44.6	43.8	42.1	41.1	40.2	40.2	40.7	41.3	42.0
106°	44.9	44.5	43.8	43.0	41.4	40.5	39.8	39.9	40.0	40.8	41.5
106.5°	44.2	43.7	43.1	42.4	40.8	39.8	39.4	39.0	39.6	40.1	40.8
107°	43.5	43.1	42.5	41.7	40.1	39.2	38.6	38.6	38.8	39.9	40.2
107.5°	42.8	42.4	41.9	41.1	39.6	38.7	38.1	38.0	38.4	38.8	39.8
108°	42.1	41.7	41.2	40.5	38.8	37.9	37.4	37.6	37.7	38.5	39.0
108.5°	41.5	41.0	40.6	40.1	38.3	37.3	36.8	36.9	37.3	37.8	38.6
109°	40.9	40.5	40.0	39.5	37.8	36.8	36.1	36.3	36.7	37.3	37.9
109.5°	40.4	39.8	39.4	38.7	37.3	36.5	35.6	35.8	36.2	36.8	37.6
110°	39.8	39.2	38.8	38.1	36.5	35.8	35.3	35.4	35.6	36.4	36.9
110.5°	39.2	38.7	38.3	37.5	36.1	35.5	34.9	35.1	35.6	35.9	36.4
111°	38.6	38.2	37.7	37.1	35.7	34.8	34.3	34.5	34.8	35.6	35.9
111.5°	38.1	37.6	37.2	36.6	35.4	34.3	33.8	34.0	34.4	35.3	35.5
112°	37.5	37.1	36.7	36.1	34.6	33.9	33.4	33.4	34.0	34.4	35.4



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	37.1	36.8	36.2	35.8	34.3	33.4	33.1	33.2	33.5	34.3	34.7
113°	36.7	36.2	35.9	35.3	33.7	33.1	32.6	32.8	33.2	33.6	34.2
113.5°	36.3	35.7	35.4	34.7	33.3	32.6	32.1	32.4	32.8	33.3	34.1
114°	35.8	35.4	35.0	34.4	32.9	32.3	32.0	32.2	32.4	33.1	33.5
114.5°	35.4	35.0	34.6	34.0	32.4	32.1	31.5	31.6	32.4	32.7	33.5
115°	35.0	34.6	34.2	33.7	32.2	31.5	31.2	31.3	32.1	32.7	32.8
115.5°	34.6	34.2	33.8	33.3	31.9	31.0	30.9	31.3	31.4	32.1	32.5
116°	34.3	33.8	33.5	32.9	31.4	31.0	30.6	31.2	31.1	32.0	32.2
116.5°	33.9	33.4	33.2	32.5	31.1	30.9	30.1	30.5	31.1	31.3	32.1
117°	33.5	33.1	32.8	32.2	31.0	30.3	30.0	30.2	30.8	31.2	31.6
117.5°	33.2	32.9	32.4	32.0	30.5	30.0	30.0	30.0	30.6	31.0	31.3
118°	32.9	32.5	32.1	31.8	30.3	30.0	29.8	30.0	30.4	30.9	31.1
118.5°	32.7	32.3	31.8	31.5	30.0	29.8	29.4	29.7	30.1	30.4	31.0
119°	32.4	32.0	31.7	31.3	29.9	29.7	29.2	29.4	30.0	30.4	30.8
119.5°	32.2	31.8	31.5	31.1	29.5	29.1	28.9	29.2	29.8	30.2	30.4
120°	32.0	31.6	31.1	30.9	29.3	28.9	28.8	29.0	29.5	30.2	30.3
120.5°	31.7	31.3	30.9	30.6	29.1	28.9	28.8	29.0	29.5	30.1	30.2
121°	31.5	31.1	30.6	30.5	29.0	28.9	28.8	28.9	29.2	29.9	30.0
121.5°	31.3	31.0	30.5	30.3	29.0	28.8	28.7	28.8	29.2	29.6	30.0
122°	31.1	30.7	30.4	30.1	28.9	28.8	28.6	28.8	29.3	29.5	29.9
122.5°	30.9	30.6	30.3	29.9	28.8	28.7	28.6	28.8	29.2	29.5	29.9
123°	30.7	30.4	30.2	29.9	28.7	28.7	28.5	28.7	29.2	29.5	29.7
123.5°	30.5	30.1	29.9	29.8	28.7	28.7	28.5	28.7	29.2	29.5	29.6
124°	30.4	30.1	29.8	29.7	28.6	28.7	28.5	28.7	29.3	29.5	29.6
124.5°	30.2	30.0	29.6	29.5	28.6	28.7	28.5	28.7	29.2	29.5	29.5
125°	30.2	29.9	29.5	29.4	28.6	28.7	28.5	28.7	29.2	29.5	29.5
125.5°	30.1	29.8	29.5	29.4	28.6	28.7	28.5	28.7	29.2	29.5	29.5
126°	30.1	29.6	29.5	29.4	28.6	28.7	28.6	28.7	29.2	29.5	29.5
126.5°	30.0	29.7	29.5	29.3	28.6	28.7	28.6	28.7	29.2	29.5	29.5
127°	29.8	29.6	29.4	29.3	28.6	28.7	28.6	28.7	29.2	29.5	29.5
127.5°	29.8	29.6	29.3	29.3	28.7	28.7	28.7	28.8	29.3	29.5	29.5
128°	29.8	29.5	29.3	29.3	28.8	28.7	28.7	28.9	29.3	29.7	29.5
128.5°	29.8	29.5	29.3	29.3	28.9	28.9	28.7	28.9	29.4	29.7	29.6
129°	29.8	29.5	29.3	29.3	29.0	28.9	28.9	29.1	29.4	29.8	29.6
129.5°	29.8	29.5	29.3	29.3	29.0	28.9	29.0	29.0	29.5	29.8	29.8
130°	29.7	29.4	29.3	29.3	29.0	28.9	29.2	29.2	29.5	29.8	30.0
130.5°	29.7	29.4	29.3	29.3	29.0	29.0	29.2	29.2	29.7	29.8	30.1
131°	29.7	29.4	29.3	29.3	29.2	29.2	29.2	29.3	29.8	30.0	30.1
131.5°	29.7	29.4	29.3	29.3	29.2	29.3	29.4	29.3	29.8	30.1	30.1
132°	29.7	29.4	29.3	29.4	29.3	29.4	29.5	29.4	29.9	30.2	30.2
132.5°	29.7	29.4	29.3	29.4	29.4	29.5	29.6	29.7	30.1	30.3	30.2
133°	29.7	29.4	29.3	29.3	29.5	29.6	29.8	29.8	30.2	30.5	30.4
133.5°	29.7	29.4	29.3	29.5	29.7	29.7	29.9	30.0	30.5	30.5	30.4
134°	29.8	29.5	29.3	29.9	29.8	29.9	30.0	30.1	30.7	30.5	30.5
134.5°	29.7	29.5	29.7	30.1	30.0	30.2	30.2	30.3	30.7	30.7	30.6



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	29.7	29.5	29.9	30.0	30.2	30.3	30.4	30.4	30.9	30.8	30.8
135.5°	30.0	29.8	29.9	30.0	30.4	30.5	30.7	30.7	31.1	31.2	30.8
136°	30.0	29.9	30.1	30.2	30.6	30.6	30.9	30.8	31.2	31.4	31.0
136.5°	30.0	30.0	30.2	30.4	30.7	30.8	31.0	31.0	31.3	31.6	31.1
137°	30.2	30.1	30.5	30.8	30.8	31.0	31.1	31.2	31.5	31.6	31.0
137.5°	30.4	30.3	30.8	31.0	31.0	31.3	31.3	31.3	31.6	31.8	31.5
138°	30.5	30.4	31.0	31.1	31.2	31.3	31.4	31.6	31.7	31.9	31.7
138.5°	30.6	30.7	31.0	31.1	31.4	31.6	31.7	31.8	31.9	31.9	31.9
139°	31.1	31.1	31.1	31.2	31.6	31.8	31.8	31.9	32.2	32.1	32.0
139.5°	31.3	31.2	31.2	31.4	31.7	31.9	32.0	32.1	32.4	32.3	32.2
140°	31.2	31.2	31.4	31.6	31.9	32.1	32.2	32.3	32.5	32.6	32.4
140.5°	31.4	31.2	31.5	31.9	32.2	32.2	32.4	32.5	32.6	32.9	32.7
141°	31.4	31.4	31.7	32.2	32.3	32.3	32.5	32.6	32.8	33.1	32.8
141.5°	31.5	31.6	32.0	32.2	32.5	32.4	32.8	32.6	32.9	33.2	32.9
142°	31.7	31.7	32.2	32.2	32.6	32.7	32.8	32.8	33.1	33.3	33.2
142.5°	32.2	32.2	32.1	32.5	32.8	32.9	33.1	33.0	33.3	33.4	33.4
143°	32.3	32.2	32.3	32.8	32.9	33.0	33.3	33.0	33.3	33.5	33.6
143.5°	32.4	32.2	32.4	33.2	32.9	33.0	33.3	33.2	33.3	33.7	33.7
144°	32.4	32.2	32.5	33.2	33.0	33.1	33.2	33.2	33.4	33.7	33.8
144.5°	32.4	32.3	32.6	33.2	33.2	33.4	33.2	33.4	33.4	33.6	33.7
145°	32.4	32.3	32.7	33.2	33.2	33.4	33.2	33.4	33.4	33.6	33.7
145.5°	32.4	32.3	32.7	33.2	33.3	33.4	33.2	33.3	33.4	33.6	33.7
146°	32.5	32.5	32.9	33.2	33.4	33.4	33.2	33.4	33.4	33.6	33.7
146.5°	32.9	32.7	33.2	33.2	33.4	33.3	33.2	33.4	33.4	33.6	33.7
147°	32.9	32.7	33.3	33.2	33.2	33.3	33.2	33.3	33.5	33.6	33.8
147.5°	32.8	32.8	33.2	33.2	33.1	33.3	33.2	33.0	33.4	33.6	33.8
148°	32.8	32.8	33.2	33.3	32.7	33.2	33.2	32.8	33.3	33.6	33.7
148.5°	32.8	32.8	33.4	33.3	32.7	32.7	33.2	32.8	33.3	33.7	33.7
149°	32.8	32.9	33.4	33.3	32.7	32.7	32.8	32.6	33.3	33.7	33.6
149.5°	32.8	32.9	33.3	33.3	32.7	32.5	32.6	32.6	33.3	33.3	33.6
150°	32.8	32.9	33.3	33.3	32.6	32.4	32.4	32.4	33.3	33.4	33.4
150.5°	32.8	32.9	33.4	33.3	32.6	32.4	32.3	32.3	32.8	33.3	33.4
151°	32.8	32.9	33.4	33.3	32.6	32.4	32.3	32.3	32.6	33.3	33.4
151.5°	32.8	32.9	33.2	33.3	32.5	32.3	32.3	32.3	32.6	33.3	33.4
152°	32.8	32.8	33.2	33.3	32.4	32.2	32.2	32.3	32.6	33.3	33.3
152.5°	32.8	32.8	33.1	33.3	32.3	32.1	32.2	32.3	32.5	33.3	33.3
153°	32.8	32.7	33.1	33.2	32.3	32.1	32.2	32.3	32.4	33.3	33.3
153.5°	32.8	32.7	33.1	33.2	32.3	32.2	32.2	32.3	32.4	33.3	33.3
154°	32.8	32.7	33.1	33.1	32.3	32.1	32.2	32.3	32.4	33.2	33.3
154.5°	32.8	32.7	32.9	33.1	32.3	32.1	32.2	32.3	32.4	33.2	33.2
155°	32.8	32.7	32.8	33.0	32.3	32.1	32.3	32.3	32.4	33.2	33.2
155.5°	32.8	32.7	32.8	33.1	32.3	32.1	32.3	32.3	32.4	33.1	33.2
156°	32.8	32.6	32.8	33.1	32.3	32.1	32.1	32.3	32.4	33.2	33.2
156.5°	32.8	32.6	32.9	33.0	32.3	32.1	32.1	32.3	32.4	33.2	33.2
157°	32.7	32.6	32.8	33.0	32.3	32.1	32.2	32.3	32.4	32.9	33.2



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	32.7	32.5	32.8	32.8	32.3	32.1	32.1	32.1	32.4	32.7	33.2
158°	32.7	32.3	32.7	32.8	32.3	32.1	32.1	32.2	32.4	32.5	33.2
158.5°	32.7	32.2	32.5	32.6	32.3	32.1	32.1	32.1	32.4	32.5	33.2
159°	32.5	32.2	32.3	32.5	32.3	32.1	31.9	31.9	32.3	32.5	32.8
159.5°	32.3	32.1	32.2	32.4	32.3	32.2	31.8	31.5	31.9	32.5	32.6
160°	32.2	32.0	32.1	32.3	32.2	32.2	31.5	31.3	31.7	32.3	32.3
160.5°	32.2	31.9	32.0	32.2	32.0	32.0	31.3	31.2	31.3	32.3	32.2
161°	32.1	31.7	31.9	32.2	31.6	31.6	31.1	31.1	31.2	32.0	32.2
161.5°	32.0	31.6	31.9	32.0	31.5	31.4	31.0	31.1	31.2	31.7	32.1
162°	31.9	31.6	31.7	31.9	31.3	31.2	31.1	30.7	31.1	31.5	32.1
162.5°	31.7	31.6	31.5	31.7	31.2	31.1	30.9	30.4	30.9	31.3	31.6
163°	31.6	31.4	31.4	31.6	31.2	31.0	30.9	30.3	30.6	31.1	31.5
163.5°	31.6	31.2	31.2	31.4	31.2	31.0	30.6	30.2	30.4	31.2	31.3
164°	31.5	31.0	31.1	31.1	30.6	30.5	30.4	30.1	30.3	31.0	31.2
164.5°	31.3	30.9	30.9	31.0	30.4	30.3	30.1	30.1	30.1	30.5	31.0
165°	31.3	30.8	30.7	30.7	30.3	30.2	29.8	29.8	30.1	30.2	31.0
165.5°	31.0	30.5	30.4	30.6	30.2	30.0	29.8	29.6	29.8	30.1	30.8
166°	30.8	30.3	30.2	30.3	30.0	30.0	29.4	29.3	29.5	30.0	30.2
166.5°	30.5	30.1	30.0	30.1	30.0	30.0	29.2	29.2	29.3	29.5	30.0
167°	30.4	29.9	29.7	30.0	29.7	29.7	28.9	29.0	29.0	29.2	29.9
167.5°	30.2	29.6	29.4	29.6	29.3	29.2	28.7	29.0	28.9	29.2	29.4
168°	29.8	29.3	29.0	29.1	28.8	28.7	28.3	28.4	28.7	29.0	29.2
168.5°	29.5	28.9	28.6	28.7	28.1	28.1	27.9	28.0	28.2	28.5	28.8
169°	29.0	28.5	28.1	28.2	27.9	27.9	27.7	27.9	28.1	28.3	28.4
169.5°	28.8	28.2	28.0	28.0	27.7	27.7	27.8	27.9	28.1	28.3	28.5
170°	28.7	28.2	28.0	28.0	27.7	27.7	27.8	28.0	28.1	28.3	28.5
170.5°	28.7	28.2	27.9	28.0	27.8	27.8	27.8	28.0	28.2	28.3	28.5
171°	29.1	29.0	29.4	29.2	28.3	28.1	28.2	28.4	28.5	28.5	28.5
171.5°	30.6	30.7	31.1	31.0	30.0	29.4	29.6	29.8	29.7	29.5	29.1
172°	32.3	32.5	32.5	32.4	31.8	31.3	31.5	31.7	31.4	31.2	30.6
172.5°	33.4	33.5	33.5	33.4	33.4	33.1	33.4	33.6	33.3	32.9	32.3
173°	34.3	34.2	34.2	34.3	34.5	34.2	34.6	34.8	34.4	34.1	33.6
173.5°	35.2	34.8	34.5	34.6	35.2	35.0	35.3	35.6	35.3	34.9	34.5
174°	35.6	35.6	35.1	34.8	35.8	35.5	35.8	36.0	36.0	35.7	35.3
174.5°	35.6	35.6	35.5	35.6	36.1	35.9	36.0	36.0	36.0	35.7	35.6
175°	35.6	35.6	35.7	35.6	36.2	36.2	36.0	36.0	35.9	35.7	35.5
175.5°	35.6	35.6	35.7	35.6	36.4	36.3	36.0	36.0	35.9	35.7	35.5
176°	35.7	35.6	35.7	35.6	36.5	36.3	36.0	36.0	35.9	35.7	35.5
176.5°	35.7	35.6	35.7	35.6	36.5	36.4	36.0	36.0	35.9	35.7	35.5
177°	35.7	35.6	35.7	35.6	36.6	36.4	36.0	36.0	35.9	35.7	35.5
177.5°	35.7	35.6	35.7	35.6	36.6	36.4	36.0	36.0	35.9	35.7	35.5
178°	35.7	35.6	35.7	35.6	36.6	36.4	36.0	36.0	35.9	35.7	35.5
178.5°	35.7	35.6	35.7	35.6	36.8	36.4	36.0	36.0	35.9	35.7	35.5
179°	35.7	35.6	35.7	35.6	36.8	36.4	36.0	36.0	35.9	35.7	35.5
179.5°	35.7	35.6	35.7	35.7	36.8	36.4	36.0	36.0	35.9	35.7	35.5



TEST NUMBER: P601027
CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	374.3	374.3	374.3	374.3	374.3	374.3
0.5°	374.3	374.3	374.4	373.4	374.5	374.3
1°	374.3	374.3	374.0	373.2	374.6	374.6
1.5°	373.6	374.3	374.0	373.3	374.6	375.3
2°	372.8	374.3	374.0	373.6	374.6	376.0
2.5°	372.3	374.3	374.0	373.8	374.6	376.3
3°	372.4	374.4	374.0	373.8	374.6	375.9
3.5°	372.6	374.4	373.9	372.8	374.6	375.3
4°	373.3	373.7	373.7	372.7	375.1	375.1
4.5°	373.3	373.3	373.2	372.7	375.2	374.9
5°	372.8	373.1	373.1	372.6	375.2	374.9
5.5°	371.7	373.0	373.1	372.6	374.9	374.7
6°	370.8	373.0	373.2	372.1	374.3	374.1
6.5°	370.6	373.0	373.1	371.7	373.5	374.0
7°	370.6	373.0	372.1	371.7	373.2	373.8
7.5°	370.5	372.1	371.7	371.7	373.3	373.8
8°	369.9	371.2	371.7	371.7	373.4	373.8
8.5°	369.2	371.0	371.6	370.9	373.5	373.3
9°	368.6	370.7	371.6	369.9	372.5	372.7
9.5°	367.9	370.3	370.8	369.7	371.3	372.0
10°	367.2	370.0	369.9	369.7	370.8	371.9
10.5°	367.2	369.5	369.1	369.7	370.9	371.9
11°	366.6	368.3	368.9	369.5	370.8	371.9
11.5°	366.0	367.1	368.4	369.0	370.9	371.0
12°	364.8	366.7	367.5	368.2	370.3	370.0
12.5°	363.8	366.7	367.2	367.0	369.3	369.0
13°	363.2	366.6	366.8	365.8	368.8	368.3
13.5°	362.8	365.4	365.7	365.1	368.7	368.2
14°	362.1	364.2	364.2	365.0	367.7	368.2
14.5°	362.1	363.6	363.5	365.0	366.4	367.9
15°	361.6	363.4	363.3	365.1	365.8	366.7
15.5°	360.2	362.6	363.1	364.7	365.4	365.0
16°	358.8	361.1	362.9	361.9	365.0	363.5
16.5°	357.7	360.2	362.3	360.4	364.6	363.1
17°	357.5	359.7	360.4	359.8	363.4	363.1
17.5°	356.9	359.4	358.6	359.4	362.0	363.1
18°	356.3	358.6	358.0	359.4	360.9	362.6
18.5°	355.3	356.6	358.0	359.1	360.0	360.9
19°	353.9	354.8	357.9	357.8	359.1	359.5
19.5°	352.2	353.9	356.6	356.2	357.8	358.7
20°	350.9	353.5	354.1	355.1	356.9	357.9
20.5°	350.0	352.8	352.3	354.5	356.2	356.8
21°	349.8	351.3	352.2	353.2	355.2	355.3
21.5°	349.1	349.2	352.1	351.3	354.0	354.1
22°	347.8	348.5	351.5	350.1	352.9	353.4



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	345.8	347.8	349.7	349.5	352.2	352.4
23°	344.4	346.8	347.5	348.8	351.7	351.5
23.5°	344.1	345.4	346.2	347.3	350.3	350.6
24°	342.8	343.6	344.9	346.4	348.2	349.1
24.5°	340.8	342.5	343.9	345.4	346.8	347.9
25°	338.7	341.2	343.3	344.2	346.1	347.1
25.5°	337.0	339.5	342.0	342.7	345.0	346.0
26°	336.2	338.4	340.1	341.1	343.3	344.0
26.5°	335.8	337.8	338.9	339.5	342.0	341.9
27°	334.6	337.3	338.0	338.2	341.2	340.6
27.5°	332.6	335.8	336.9	337.1	339.9	340.1
28°	330.6	333.4	334.8	335.8	337.9	339.2
28.5°	329.0	331.3	332.8	334.6	336.2	338.1
29°	328.0	330.2	331.5	333.3	335.1	336.4
29.5°	326.9	329.3	330.6	331.6	333.9	334.7
30°	325.6	328.0	329.7	330.1	332.7	333.1
30.5°	323.6	326.1	328.1	328.9	331.1	331.8
31°	321.6	324.1	326.0	327.4	329.6	330.2
31.5°	319.8	322.2	323.5	325.3	328.5	328.0
32°	318.2	320.5	321.7	323.2	327.3	325.6
32.5°	316.2	319.2	320.7	321.7	325.5	323.8
33°	314.2	317.7	319.2	320.5	323.1	322.8
33.5°	312.8	315.8	317.2	319.0	321.0	322.1
34°	311.5	313.3	315.5	317.2	319.3	321.0
34.5°	309.8	311.5	313.8	315.2	317.8	318.7
35°	307.5	310.2	312.3	313.5	316.0	316.4
35.5°	305.6	308.7	310.7	312.5	314.4	314.3
36°	304.3	306.9	309.2	311.4	313.0	312.4
36.5°	303.1	305.0	307.2	309.6	310.8	310.7
37°	301.5	302.9	305.0	307.1	308.4	309.1
37.5°	299.5	301.0	302.9	304.9	306.7	307.5
38°	296.6	299.2	301.0	303.3	305.2	306.1
38.5°	293.8	297.1	299.2	301.8	303.7	304.4
39°	292.3	294.8	297.7	299.7	302.1	302.3
39.5°	291.5	292.7	295.8	297.3	300.2	299.8
40°	289.6	290.7	293.9	295.1	297.8	297.7
40.5°	286.8	289.3	291.6	293.2	295.4	296.1
41°	283.9	287.3	289.2	291.8	293.4	294.4
41.5°	281.7	284.9	287.1	289.8	291.8	292.1
42°	280.2	282.3	285.7	288.0	290.0	289.8
42.5°	278.3	280.4	284.0	286.1	287.8	287.6
43°	276.2	278.6	281.3	284.1	285.6	286.3
43.5°	274.1	276.6	278.6	281.7	283.8	284.6
44°	271.9	274.0	276.5	279.4	281.6	281.8
44.5°	269.8	272.0	274.6	276.8	279.5	278.7



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	267.3	270.0	272.8	274.8	277.7	276.8
45.5°	265.0	268.1	271.1	272.6	275.7	275.3
46°	263.0	266.2	268.5	270.5	273.2	273.7
46.5°	261.0	263.9	266.3	268.4	270.7	271.9
47°	258.8	261.2	264.3	266.8	268.7	269.3
47.5°	256.5	258.9	262.3	265.1	267.1	266.8
48°	254.2	256.9	260.0	263.1	265.1	264.3
48.5°	251.8	255.0	257.9	260.1	262.4	261.8
49°	249.6	252.8	255.7	257.0	260.0	259.6
49.5°	247.6	249.9	253.6	254.8	258.0	257.8
50°	245.4	247.2	250.8	253.1	256.1	256.0
50.5°	242.8	245.1	248.3	251.5	253.8	253.9
51°	240.6	243.5	246.2	249.7	251.2	251.2
51.5°	238.6	241.4	243.8	246.8	248.7	248.9
52°	236.2	238.5	241.5	243.7	246.4	246.2
52.5°	233.8	235.7	239.2	241.2	244.0	243.5
53°	231.6	233.5	236.9	239.3	241.5	241.3
53.5°	229.4	231.6	234.5	237.5	239.0	239.4
54°	226.7	229.5	232.4	235.7	236.5	237.5
54.5°	224.3	227.7	230.1	233.2	234.3	235.2
55°	222.5	225.2	227.9	230.9	232.6	232.8
55.5°	220.3	222.2	225.3	228.4	230.4	230.4
56°	218.0	219.6	222.8	226.0	227.9	228.2
56.5°	215.6	217.5	220.7	223.7	225.3	225.4
57°	212.7	215.4	219.0	221.3	222.8	222.8
57.5°	210.3	212.9	216.8	218.7	220.8	220.8
58°	208.1	210.4	214.0	216.2	219.0	218.9
58.5°	206.0	207.8	211.7	214.0	216.7	216.6
59°	203.8	205.6	209.5	211.6	214.0	213.9
59.5°	201.1	203.6	207.3	209.3	211.5	211.3
60°	198.1	201.7	204.7	207.0	209.0	208.6
60.5°	195.7	199.0	202.1	204.8	206.7	205.9
61°	193.7	196.2	199.9	202.6	204.3	203.7
61.5°	192.1	193.7	197.7	200.0	201.9	201.5
62°	190.0	191.5	195.3	197.6	199.7	199.3
62.5°	186.9	189.2	192.7	195.1	197.6	196.8
63°	183.9	186.8	190.2	192.8	195.1	194.2
63.5°	181.3	184.5	187.9	190.5	192.7	191.7
64°	179.6	182.2	185.5	188.0	190.2	189.3
64.5°	177.9	180.1	183.1	185.6	187.7	187.1
65°	175.6	177.7	180.8	183.5	185.0	184.9
65.5°	172.9	175.2	178.7	181.1	182.2	182.5
66°	170.0	172.6	176.5	178.8	179.9	180.2
66.5°	167.6	170.2	174.1	176.4	177.7	177.7
67°	165.8	168.0	171.7	173.9	175.6	175.2



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	163.7	165.9	169.3	171.4	173.0	172.6
68°	161.6	163.5	167.0	169.0	170.9	170.2
68.5°	158.8	161.0	164.6	166.9	168.7	168.2
69°	156.5	158.6	162.2	164.6	166.3	165.9
69.5°	154.1	156.3	159.9	162.4	163.7	163.7
70°	152.0	154.3	157.7	159.8	161.5	161.0
70.5°	149.9	152.2	155.3	157.8	159.1	158.6
71°	147.9	149.8	153.1	155.6	156.6	156.4
71.5°	145.6	147.4	150.8	153.4	154.3	154.1
72°	143.3	145.3	148.5	151.1	152.0	151.8
72.5°	140.7	143.1	146.2	148.9	149.9	149.7
73°	138.4	141.0	144.0	146.6	147.9	147.2
73.5°	136.3	138.8	141.8	144.3	145.8	145.0
74°	134.3	136.6	139.6	141.7	143.4	142.6
74.5°	132.3	134.3	137.5	139.4	140.8	140.3
75°	130.2	132.1	135.4	137.3	138.3	138.0
75.5°	127.9	129.9	133.1	135.4	136.2	135.9
76°	126.0	128.0	130.8	133.5	134.2	133.8
76.5°	123.9	125.9	128.6	131.0	132.0	131.6
77°	121.7	123.7	126.7	128.7	129.7	129.3
77.5°	119.6	121.5	124.6	126.5	127.6	127.1
78°	117.6	119.3	122.6	124.3	125.4	124.8
78.5°	115.6	117.2	120.4	122.6	123.5	122.7
79°	113.4	115.3	118.4	120.7	121.5	120.7
79.5°	111.3	113.4	116.4	118.4	119.3	118.8
80°	109.4	111.5	114.7	116.0	116.9	116.7
80.5°	107.6	109.3	112.6	114.1	114.8	114.9
81°	105.7	107.2	110.3	112.2	112.9	112.6
81.5°	103.8	105.4	108.1	110.2	111.2	110.6
82°	102.0	103.7	106.5	108.1	109.2	108.4
82.5°	99.9	101.9	104.8	106.1	106.8	106.4
83°	98.0	100.0	102.8	104.2	104.8	104.4
83.5°	96.2	98.1	101.0	102.3	103.0	102.8
84°	94.5	96.4	99.0	100.6	101.3	100.9
84.5°	92.9	94.8	97.0	98.9	99.5	99.0
85°	91.2	93.4	95.3	96.9	97.7	97.2
85.5°	89.5	91.4	93.8	94.9	95.7	95.2
86°	87.7	89.6	92.4	93.2	93.9	93.5
86.5°	86.1	87.8	90.5	91.8	92.5	91.8
87°	84.5	86.3	88.5	90.3	90.9	90.1
87.5°	83.0	85.0	87.1	88.7	89.1	88.6
88°	81.6	83.4	85.6	87.1	87.2	87.0
88.5°	80.1	81.7	84.1	85.1	85.5	85.2
89°	78.5	80.1	82.6	83.6	84.2	83.4
89.5°	76.8	78.7	80.8	82.1	82.6	81.9



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	75.3	77.4	79.5	80.7	81.1	80.5
90.5°	74.1	76.1	78.0	79.4	79.5	79.0
91°	72.7	74.5	76.6	77.7	78.0	77.5
91.5°	71.3	72.9	75.2	76.1	76.5	75.8
92°	70.0	71.5	73.6	74.7	75.2	74.4
92.5°	68.5	70.2	72.2	73.5	73.6	73.0
93°	67.1	69.1	71.0	72.3	72.3	71.9
93.5°	65.9	68.0	69.7	70.9	71.0	70.6
94°	64.6	66.6	68.4	69.4	69.8	69.1
94.5°	63.4	65.3	67.1	68.0	68.4	67.7
95°	62.3	64.1	65.7	66.8	67.0	66.4
95.5°	61.3	63.0	64.6	65.6	65.7	65.2
96°	60.2	61.9	63.7	64.4	64.6	64.1
96.5°	59.0	60.9	62.6	63.3	63.6	62.8
97°	57.9	60.0	61.3	62.2	62.5	61.5
97.5°	57.0	58.8	60.0	61.1	61.2	60.4
98°	56.0	57.8	58.9	59.9	60.0	59.4
98.5°	54.8	56.6	58.0	58.9	58.9	58.4
99°	53.7	55.5	57.1	58.0	58.0	57.3
99.5°	52.7	54.6	56.0	56.9	56.9	56.3
100°	51.7	53.7	55.1	55.9	55.8	55.2
100.5°	50.8	52.9	54.1	54.9	54.9	54.3
101°	50.0	52.0	53.2	53.9	54.1	53.2
101.5°	49.4	51.1	52.4	53.1	53.1	52.4
102°	48.4	50.2	51.4	52.2	52.0	51.5
102.5°	47.5	49.0	50.4	51.2	51.1	50.6
103°	46.6	48.4	49.7	50.3	50.2	49.4
103.5°	46.1	47.7	48.9	49.4	49.5	48.7
104°	45.3	47.0	48.1	48.5	48.6	47.9
104.5°	44.5	46.3	47.3	47.9	47.7	47.3
105°	44.0	45.7	46.6	47.1	47.0	46.5
105.5°	42.9	44.9	45.9	46.2	46.3	45.6
106°	42.3	44.1	45.2	45.6	45.5	44.9
106.5°	41.8	43.4	44.6	45.0	44.8	44.2
107°	41.1	42.7	43.9	44.4	44.1	43.5
107.5°	40.7	42.1	43.0	43.7	43.5	42.8
108°	39.8	41.6	42.4	42.9	42.8	42.1
108.5°	39.6	41.0	41.8	42.2	42.1	41.5
109°	38.8	40.4	41.2	41.6	41.5	40.9
109.5°	38.6	39.9	40.7	40.9	40.9	40.4
110°	37.7	39.3	40.2	40.4	40.4	39.8
110.5°	37.3	38.8	39.5	39.9	39.7	39.2
111°	36.6	38.3	38.9	39.3	39.3	38.6
111.5°	36.3	37.8	38.4	38.8	38.7	38.1
112°	35.8	37.4	37.9	38.3	38.3	37.5



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	35.4	37.0	37.4	37.8	37.6	37.1
113°	35.1	36.5	37.0	37.3	37.2	36.7
113.5°	34.3	36.1	36.5	36.9	36.8	36.3
114°	34.2	35.6	36.1	36.4	36.3	35.8
114.5°	33.9	35.2	35.8	36.0	35.9	35.4
115°	33.4	34.9	35.4	35.6	35.5	35.0
115.5°	33.3	34.6	35.1	35.2	35.1	34.6
116°	32.6	34.2	34.6	34.9	34.8	34.3
116.5°	32.4	33.8	34.3	34.5	34.4	33.9
117°	32.0	33.4	34.0	34.1	34.0	33.5
117.5°	32.0	33.2	33.6	33.9	33.6	33.2
118°	31.5	33.0	33.4	33.4	33.3	32.9
118.5°	31.3	32.8	33.1	33.2	33.0	32.7
119°	31.1	32.5	32.8	32.9	32.8	32.4
119.5°	30.9	32.3	32.5	32.6	32.5	32.2
120°	30.6	32.1	32.3	32.4	32.3	32.0
120.5°	30.4	31.9	32.1	32.1	32.1	31.7
121°	30.2	31.8	31.9	31.9	31.9	31.5
121.5°	30.1	31.4	31.7	31.7	31.7	31.3
122°	30.0	31.3	31.6	31.5	31.5	31.1
122.5°	30.0	31.3	31.3	31.3	31.2	30.9
123°	29.9	31.2	31.1	31.1	31.0	30.7
123.5°	29.9	31.1	31.0	31.1	30.8	30.5
124°	29.9	30.8	30.9	30.9	30.8	30.4
124.5°	29.8	30.7	30.8	30.9	30.6	30.2
125°	29.8	30.6	30.7	30.6	30.6	30.2
125.5°	29.8	30.6	30.5	30.4	30.4	30.1
126°	29.8	30.6	30.5	30.4	30.2	30.1
126.5°	29.8	30.5	30.4	30.3	30.2	30.0
127°	29.8	30.5	30.4	30.2	30.0	29.8
127.5°	29.8	30.3	30.3	30.2	30.0	29.8
128°	29.8	30.3	30.3	30.2	30.0	29.8
128.5°	29.8	30.3	30.3	30.2	29.9	29.8
129°	29.9	30.3	30.2	30.0	29.9	29.8
129.5°	29.9	30.3	30.2	30.0	30.0	29.8
130°	29.9	30.3	30.2	30.1	29.9	29.7
130.5°	29.9	30.3	30.2	30.0	29.9	29.7
131°	30.1	30.3	30.2	30.0	29.9	29.7
131.5°	30.3	30.3	30.2	30.0	29.9	29.7
132°	30.3	30.3	30.2	30.0	29.9	29.7
132.5°	30.3	30.3	30.2	30.0	29.9	29.7
133°	30.3	30.3	30.2	30.0	29.9	29.7
133.5°	30.5	30.3	30.2	30.0	30.0	29.7
134°	30.6	30.4	30.2	30.0	30.0	29.8
134.5°	30.6	30.4	30.3	30.1	30.1	29.7



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	30.7	30.5	30.3	30.1	30.1	29.7
135.5°	30.8	30.5	30.3	30.1	30.2	30.0
136°	31.0	31.0	30.4	30.2	30.2	30.0
136.5°	31.1	31.2	30.6	30.2	30.2	30.0
137°	31.1	31.3	30.9	30.4	30.3	30.2
137.5°	31.2	31.3	31.0	30.7	30.4	30.4
138°	31.4	31.3	31.1	31.1	30.8	30.5
138.5°	31.6	31.5	31.2	31.1	31.1	30.6
139°	31.8	31.8	31.3	31.1	31.1	31.1
139.5°	31.9	32.2	31.6	31.4	31.1	31.3
140°	32.1	32.3	31.8	31.4	31.3	31.2
140.5°	32.2	32.3	32.1	31.6	31.5	31.4
141°	32.4	32.5	32.1	32.0	31.7	31.4
141.5°	32.5	32.7	32.2	32.1	31.7	31.5
142°	32.8	32.8	32.4	32.1	32.0	31.7
142.5°	32.9	33.2	32.6	32.3	32.2	32.2
143°	33.1	33.3	32.9	32.4	32.2	32.3
143.5°	33.3	33.3	33.0	32.5	32.4	32.4
144°	33.5	33.3	33.2	32.7	32.5	32.4
144.5°	33.6	33.4	33.2	33.2	32.6	32.4
145°	33.6	33.5	33.2	33.2	32.7	32.4
145.5°	33.5	33.7	33.4	33.2	33.0	32.4
146°	33.5	33.7	33.6	33.3	33.2	32.5
146.5°	33.5	33.8	33.6	33.4	33.3	32.9
147°	33.5	34.0	33.7	33.5	33.3	32.9
147.5°	33.5	34.3	33.9	33.7	33.3	32.8
148°	33.5	34.4	34.2	33.9	33.3	32.8
148.5°	33.5	34.4	34.3	34.0	33.3	32.8
149°	33.5	34.5	34.3	34.0	33.3	32.8
149.5°	33.5	34.5	34.2	34.0	33.3	32.8
150°	33.3	34.4	34.2	34.0	33.3	32.8
150.5°	33.3	34.4	34.2	34.0	33.3	32.8
151°	33.3	34.4	34.2	34.0	33.3	32.8
151.5°	33.3	34.4	34.2	34.0	33.3	32.8
152°	33.3	34.4	34.2	34.0	33.3	32.8
152.5°	33.2	34.4	34.2	33.9	33.3	32.8
153°	33.1	34.5	34.2	33.8	33.3	32.8
153.5°	33.1	34.5	34.3	33.8	33.2	32.8
154°	33.0	34.4	34.2	33.8	33.2	32.8
154.5°	33.1	34.4	34.1	33.8	33.2	32.8
155°	33.0	34.4	34.0	33.8	33.2	32.8
155.5°	33.0	34.2	34.0	33.8	33.2	32.8
156°	32.9	34.2	34.0	33.8	33.2	32.8
156.5°	32.9	34.2	34.0	33.8	33.0	32.8
157°	32.9	34.2	34.0	33.8	33.0	32.7



TEST NUMBER: P601027
 CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	32.9	34.1	34.0	33.8	33.1	32.7
158°	32.9	34.0	34.0	33.6	33.1	32.7
158.5°	32.8	34.0	33.8	33.5	33.0	32.7
159°	32.7	34.0	33.8	33.5	32.8	32.5
159.5°	32.5	34.0	33.9	33.4	32.8	32.3
160°	32.4	34.0	33.8	33.2	32.8	32.2
160.5°	32.3	34.0	33.6	33.1	32.6	32.2
161°	32.2	33.7	33.4	33.0	32.5	32.1
161.5°	32.2	33.4	33.3	32.8	32.3	32.0
162°	32.1	33.1	33.1	32.6	32.1	31.9
162.5°	31.8	33.1	33.0	32.4	32.0	31.7
163°	31.5	33.0	32.7	32.4	31.9	31.6
163.5°	31.3	32.8	32.5	32.2	31.9	31.6
164°	31.3	32.6	32.4	32.0	31.7	31.5
164.5°	31.2	32.5	32.3	31.8	31.5	31.3
165°	31.0	32.3	32.2	31.7	31.5	31.3
165.5°	31.0	32.2	32.1	31.5	31.3	31.0
166°	30.7	32.0	31.8	31.2	31.1	30.8
166.5°	30.3	31.9	31.5	31.1	30.9	30.5
167°	30.1	31.7	31.1	30.9	30.7	30.4
167.5°	29.9	31.5	30.8	30.7	30.4	30.2
168°	29.8	31.0	30.6	30.3	30.1	29.8
168.5°	29.3	30.7	30.2	30.0	29.8	29.5
169°	28.8	30.2	29.8	29.6	29.5	29.0
169.5°	28.4	29.7	29.3	29.2	29.1	28.8
170°	28.4	29.3	29.1	28.9	28.9	28.7
170.5°	28.4	29.1	29.0	28.9	28.9	28.7
171°	28.5	29.1	29.0	28.9	29.0	29.1
171.5°	29.0	29.9	29.9	29.6	30.3	30.6
172°	30.3	31.7	31.5	31.4	32.0	32.3
172.5°	32.1	33.1	33.0	32.9	33.3	33.4
173°	33.5	34.1	33.9	33.9	34.3	34.3
173.5°	34.4	34.9	34.6	34.6	34.9	35.2
174°	35.2	35.4	35.5	35.4	35.5	35.6
174.5°	35.6	35.5	35.5	35.4	35.7	35.6
175°	35.6	35.5	35.5	35.4	35.8	35.6
175.5°	35.6	35.6	35.5	35.5	35.9	35.6
176°	35.6	35.7	35.5	35.5	35.9	35.7
176.5°	35.6	35.8	35.7	35.7	35.9	35.7
177°	35.6	35.9	35.6	35.7	35.9	35.7
177.5°	35.6	36.0	35.7	35.7	35.9	35.7
178°	35.6	36.0	35.7	35.8	35.9	35.7
178.5°	35.6	36.0	35.9	35.8	35.9	35.7
179°	35.6	36.1	35.9	35.8	35.9	35.7
179.5°	35.6	36.1	36.1	35.8	35.9	35.7



TEST NUMBER: P601027
CATALOG NUMBER: FM159S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	35.6	35.6	35.6	35.6	35.6	35.6

(END OF REPORT)