

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: P601028

Luminaire Tested: FM159S1EWHR_3500K

Issue Date: 3/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P601028
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_3500K
Description: FM159S1EWHR at 3500K
Light Source: -
Ballast/Driver: -

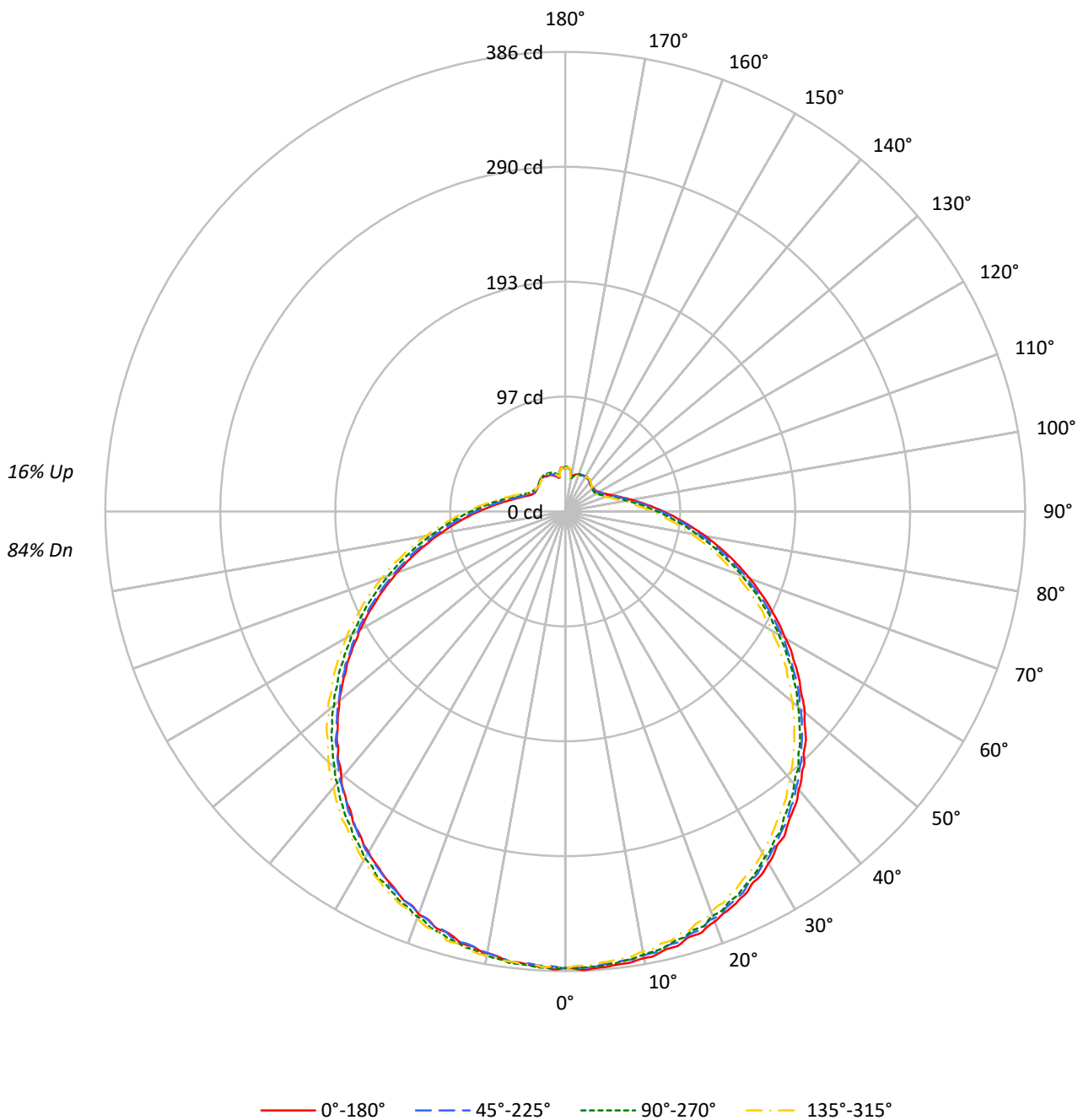
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1601.8 lumens
Efficiency: N/A
Efficacy: 91.5 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): 17.5
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	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°	3364	3364	3364	3364
5°	3285	3272	3264	3270
10°	3204	3177	3167	3188
15°	3130	3096	3071	3102
20°	3050	3006	2992	3012
25°	2975	2933	2891	2925
30°	2895	2843	2802	2851
35°	2810	2762	2705	2755
40°	2724	2671	2611	2661
45°	2633	2585	2517	2569
50°	2556	2486	2411	2467
55°	2464	2402	2311	2385
60°	2369	2298	2207	2292
65°	2285	2199	2100	2195
70°	2200	2108	2003	2108
75°	2126	2025	1914	2034
80°	2079	1960	1847	1985
85°	2070	1952	1831	1989

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 337.5°
 Vertical Angle: 45°
 Luminance: 2642 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	2.3
10°-20°	104.9	6.6
20°-30°	161.3	10.1
30°-40°	199.0	12.4
40°-50°	213.9	13.4
50°-60°	206.3	12.9
60°-70°	180.2	11.2
70°-80°	142.6	8.9
80°-90°	103.2	6.4
90°-100°	70.8	4.4
100°-110°	48.2	3.0
110°-120°	34.4	2.1
120°-130°	27.4	1.7
130°-140°	24.1	1.5
140°-150°	21.2	1.3
150°-160°	15.6	1.0
160°-170°	9.0	0.6
170°-180°	3.2	0.2
0°-30°	302.6	18.9
0°-40°	501.6	31.3
0°-60°	921.8	57.5
0°-90°	1347.8	84.1
90°-120°	153.4	9.6
90°-150°	226.1	14.1
90°-180°	254.0	15.9
0°-180°	1601.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	384	384	384	384	384	
5°	384	383	382	382	384	37
15°	376	372	369	372	376	106
25°	356	351	346	350	356	164
35°	324	319	312	318	324	203
45°	284	278	271	277	284	220
55°	238	232	224	231	238	213
65°	190	182	174	182	190	188
75°	141	135	127	135	141	150
85°	100	94	88	96	100	85
90°	82	77	72	79	82	45
95°	68	63	60	66	68	53
105°	48	44	42	47	48	51
115°	36	33	33	36	36	36
125°	31	29	30	31	31	28
135°	30	31	32	31	30	24
145°	33	34	34	34	33	21
155°	34	33	33	35	34	16
165°	32	31	31	33	32	9
175°	36	37	37	36	36	3
180°	36	36	36	36	36	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5
0.5°	383.5	383.5	383.5	383.4	383.5	383.3	383.3	383.5	384.1	384.0	383.3
1°	383.8	383.5	383.5	383.4	383.5	382.7	382.2	383.5	384.8	383.9	382.8
1.5°	384.5	383.6	383.5	383.4	383.5	382.3	381.7	383.5	384.8	383.8	382.1
2°	385.3	383.7	383.3	383.4	383.5	382.3	381.7	383.5	384.1	383.5	382.0
2.5°	385.5	383.7	383.3	383.4	383.4	382.3	381.7	383.4	383.0	383.3	382.0
3°	385.1	383.9	383.8	383.1	383.1	382.3	381.7	382.7	382.8	382.8	382.0
3.5°	384.6	383.9	384.6	383.0	383.1	382.1	381.4	382.1	382.8	381.9	381.9
4°	384.3	383.6	382.8	382.9	383.0	381.4	380.7	382.0	382.7	381.9	381.3
4.5°	384.1	383.6	381.9	382.7	382.8	381.1	380.0	382.1	382.2	381.9	380.9
5°	384.1	383.6	381.7	382.4	382.6	380.6	379.8	381.9	381.6	381.9	381.0
5.5°	383.9	383.6	381.7	381.8	381.9	380.4	379.7	381.2	381.1	381.6	381.2
6°	383.3	383.5	381.7	381.4	381.8	380.4	379.5	381.0	380.7	380.7	381.2
6.5°	383.2	382.8	381.6	381.4	381.7	380.4	378.7	380.9	380.9	379.9	381.3
7°	383.0	382.1	380.7	381.4	380.9	380.3	378.5	380.2	381.0	379.1	380.9
7.5°	383.0	381.9	380.4	381.2	380.8	379.4	378.6	379.3	380.4	378.9	379.8
8°	383.0	381.9	380.4	380.7	380.2	378.9	378.5	378.8	379.3	378.8	378.6
8.5°	382.5	382.0	380.4	380.3	379.9	379.0	377.9	378.5	378.3	378.7	377.9
9°	381.9	381.9	380.4	380.1	379.4	379.0	376.8	377.8	377.5	377.4	377.7
9.5°	381.2	380.8	379.6	379.4	378.7	378.9	375.9	377.0	376.9	376.4	377.2
10°	381.0	380.0	378.6	378.3	377.9	378.0	375.3	376.9	376.7	376.5	376.6
10.5°	381.0	380.0	378.2	377.2	377.3	376.7	375.0	377.0	376.7	377.2	375.9
11°	381.0	380.1	378.0	377.0	377.1	375.7	374.8	376.7	375.8	376.6	375.3
11.5°	380.2	380.0	378.0	376.6	377.0	374.5	374.4	375.3	374.4	375.7	374.0
12°	379.1	378.3	377.9	376.2	376.5	373.9	372.9	373.6	373.5	373.9	373.2
12.5°	378.1	376.9	377.0	375.5	376.1	373.4	371.6	372.4	373.5	372.7	372.6
13°	377.3	376.4	375.1	374.3	375.1	372.9	371.6	372.4	373.3	371.8	372.3
13.5°	377.2	376.3	374.4	373.9	374.0	372.9	371.5	372.4	372.9	371.7	372.3
14°	377.2	376.4	374.1	373.5	372.8	372.2	370.9	372.3	371.5	371.6	372.2
14.5°	377.0	376.1	374.1	372.6	372.0	370.9	369.7	371.0	369.9	370.9	371.4
15°	375.7	375.1	373.9	371.8	371.7	369.7	367.9	369.0	368.6	369.4	370.2
15.5°	374.0	374.1	372.8	371.3	371.4	369.1	367.2	367.6	367.5	367.7	368.3
16°	372.5	372.9	371.0	370.9	370.1	368.9	367.2	367.6	366.9	366.4	366.5
16.5°	372.1	371.7	369.9	370.4	368.5	368.1	366.9	367.6	366.9	366.0	365.8
17°	372.1	370.7	369.5	369.5	367.6	367.1	365.3	366.8	366.7	365.1	365.7
17.5°	372.1	370.1	369.4	367.6	367.5	365.9	363.3	364.8	365.4	364.0	365.3
18°	371.5	370.0	369.4	366.0	367.4	364.4	362.5	362.5	363.3	362.8	363.8
18.5°	369.8	369.7	367.9	365.6	367.2	363.1	362.3	361.5	361.5	361.6	362.1
19°	368.4	368.3	365.3	365.4	365.2	362.3	361.9	361.4	360.9	360.8	361.0
19.5°	367.5	366.4	363.9	364.7	362.9	361.7	360.4	360.9	360.7	359.8	360.0
20°	366.7	364.8	363.7	362.7	361.5	361.1	358.3	359.9	359.8	358.5	359.0
20.5°	365.6	364.1	363.6	360.6	360.9	359.9	356.7	358.1	357.7	357.3	357.7
21°	364.0	363.6	363.3	360.0	360.8	358.8	355.5	356.2	355.7	356.0	356.2
21.5°	362.8	363.0	361.8	359.7	359.9	357.5	354.8	355.2	354.6	354.9	355.0
22°	362.1	362.1	359.4	359.2	358.2	355.8	354.6	354.5	354.3	354.2	354.3



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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°	361.1	360.3	358.2	357.7	356.3	354.7	352.9	353.2	353.6	352.8	353.3
23°	360.1	358.4	357.3	355.7	355.0	353.8	350.8	351.7	352.1	350.9	352.3
23.5°	359.2	357.1	356.3	353.8	354.3	352.2	349.6	350.0	350.3	349.5	350.7
24°	357.7	356.2	355.1	352.6	353.6	350.3	348.9	348.4	348.5	348.1	349.2
24.5°	356.4	355.2	354.1	351.6	352.4	348.9	347.4	347.5	347.0	346.7	347.9
25°	355.6	354.2	353.1	350.5	350.6	347.9	345.7	346.5	345.6	345.4	347.2
25.5°	354.5	353.2	351.2	349.3	349.1	347.1	344.0	345.3	344.4	344.1	345.6
26°	352.5	351.2	349.0	347.8	347.6	345.6	342.7	344.2	343.2	343.3	343.8
26.5°	350.3	349.1	347.5	346.2	346.5	344.3	341.5	342.4	341.6	341.6	341.9
27°	349.0	348.0	346.5	345.2	345.4	342.7	340.4	340.9	339.8	339.8	340.4
27.5°	348.4	347.2	345.6	344.1	343.9	341.0	339.3	339.2	338.0	338.0	338.9
28°	347.6	345.9	344.4	342.3	342.3	339.1	337.8	337.4	336.5	336.8	337.5
28.5°	346.5	344.1	342.3	340.4	340.6	337.7	336.2	335.4	335.3	335.3	336.1
29°	344.7	342.3	340.6	338.5	338.7	336.5	334.6	333.7	333.9	333.5	334.6
29.5°	342.9	341.2	339.5	337.5	336.8	335.1	333.0	332.4	332.2	331.5	332.6
30°	341.3	340.6	338.5	336.9	335.2	333.8	330.8	331.2	330.3	330.1	331.0
30.5°	339.9	339.6	337.0	335.6	334.4	331.7	328.8	329.5	328.8	329.0	329.9
31°	338.3	337.4	335.1	333.7	333.2	329.7	327.1	327.2	327.5	327.2	328.1
31.5°	336.1	335.0	333.0	331.6	331.3	328.3	325.8	325.5	325.4	325.0	325.8
32°	333.6	333.5	331.7	329.5	329.1	326.8	324.2	324.2	323.1	322.8	324.3
32.5°	331.8	332.2	330.6	327.7	327.0	325.0	322.3	322.1	321.2	320.8	322.7
33°	330.8	330.4	328.5	325.8	325.7	322.9	320.3	320.0	319.8	319.6	320.7
33.5°	330.0	328.3	326.1	324.2	324.8	320.7	318.6	318.2	318.7	318.4	318.6
34°	328.9	326.2	324.4	322.8	323.4	318.8	316.5	317.0	317.1	316.5	316.5
34.5°	326.6	324.6	322.8	321.5	321.3	317.7	314.7	316.0	314.9	313.9	314.7
35°	324.2	323.1	321.5	319.6	318.6	316.5	313.0	314.2	312.1	311.3	313.2
35.5°	322.1	321.5	320.0	317.2	316.0	314.6	311.0	311.4	309.8	309.5	311.9
36°	320.1	320.2	318.2	314.9	314.4	312.5	309.0	308.9	308.0	309.1	310.3
36.5°	318.4	318.2	315.7	313.5	312.8	310.0	307.7	307.0	306.9	308.3	307.8
37°	316.7	315.9	313.5	312.1	310.7	307.7	306.0	305.8	305.1	306.1	305.1
37.5°	315.0	314.1	311.6	309.9	308.9	306.0	304.3	303.9	302.7	303.4	303.1
38°	313.6	311.9	310.5	307.3	307.3	305.5	302.0	301.2	300.8	300.7	301.5
38.5°	311.9	309.8	309.0	305.2	305.9	303.8	299.3	299.0	299.0	298.5	299.8
39°	309.7	307.9	306.4	303.8	303.8	300.9	297.2	297.2	297.2	296.9	297.7
39.5°	307.2	306.4	303.9	302.6	301.6	298.1	295.5	295.5	295.0	295.0	295.9
40°	305.0	305.0	301.8	301.0	299.1	295.9	293.6	293.3	292.3	292.3	294.0
40.5°	303.4	302.7	300.2	298.3	297.0	294.1	291.4	290.8	289.7	289.7	291.9
41°	301.6	300.0	298.3	295.4	294.6	292.0	289.1	288.4	287.2	287.6	289.5
41.5°	299.3	297.6	295.9	293.2	293.0	290.1	287.0	286.7	285.3	285.8	286.8
42°	296.9	295.6	293.5	291.8	292.0	288.3	285.2	284.8	283.7	284.2	284.9
42.5°	294.7	293.9	291.6	290.5	289.9	286.3	282.8	282.7	282.2	282.3	282.9
43°	293.3	292.1	289.8	288.5	287.2	283.7	280.5	280.4	279.6	280.1	280.4
43.5°	291.6	290.1	288.0	285.5	284.5	281.3	278.4	278.0	276.7	277.5	278.0
44°	288.7	287.6	285.8	282.1	282.0	279.1	276.3	275.6	274.4	274.5	276.0
44.5°	285.5	285.2	283.1	280.1	280.2	277.2	274.2	273.6	273.0	271.9	274.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	283.6	282.7	280.3	278.5	278.4	275.1	272.0	271.2	271.1	269.8	272.6
45.5°	282.0	280.3	278.2	276.5	276.3	272.9	269.3	268.8	268.7	268.6	269.6
46°	280.4	278.6	276.2	273.8	274.0	270.7	267.0	266.6	265.7	266.7	266.8
46.5°	278.6	276.6	274.2	271.2	271.8	268.5	265.1	264.2	263.3	263.8	264.9
47°	276.0	274.3	272.0	269.4	269.2	265.9	262.8	261.9	261.1	260.6	262.7
47.5°	273.4	271.4	269.6	267.9	266.8	263.3	260.4	259.9	259.0	258.4	260.0
48°	270.8	268.8	267.3	265.7	264.5	261.2	258.2	257.4	256.7	257.1	257.8
48.5°	268.3	266.7	265.3	263.0	262.3	259.2	256.0	255.1	254.0	255.3	255.6
49°	266.0	265.2	262.9	260.2	260.0	256.8	253.6	252.7	251.5	252.8	253.3
49.5°	264.2	263.5	260.5	257.7	257.8	254.5	251.3	249.9	249.3	249.8	250.7
50°	262.3	261.3	258.1	255.6	255.2	252.6	248.9	247.5	247.5	246.9	248.3
50.5°	260.2	258.3	255.7	253.6	252.6	250.1	246.3	245.8	245.2	244.7	245.8
51°	257.4	255.0	253.2	251.8	250.8	247.6	243.8	244.0	242.4	242.7	243.6
51.5°	255.1	252.6	251.3	249.5	248.7	245.0	241.8	241.7	239.9	240.6	241.6
52°	252.2	250.9	249.1	246.2	246.6	242.6	239.7	239.0	237.8	238.2	239.6
52.5°	249.5	249.3	246.9	243.4	244.2	240.2	237.3	236.3	235.4	235.5	237.5
53°	247.3	247.0	244.5	241.0	241.4	237.7	234.6	234.1	232.8	232.6	234.8
53.5°	245.3	243.8	242.2	239.0	238.5	236.1	231.9	231.8	229.9	230.1	231.8
54°	243.3	241.3	239.4	237.1	236.4	233.9	230.1	229.5	227.4	228.2	229.2
54.5°	240.9	238.9	236.8	234.8	234.5	231.1	228.4	227.1	225.6	226.2	227.2
55°	238.5	236.9	234.1	232.5	232.5	228.4	226.0	224.9	223.7	223.6	225.4
55.5°	236.1	234.3	231.8	229.9	230.1	226.0	223.0	222.2	221.1	220.9	222.9
56°	233.8	231.5	229.8	227.2	227.3	223.7	220.0	219.2	218.3	218.3	220.1
56.5°	231.0	229.2	227.7	224.9	224.6	221.3	217.4	216.5	215.6	215.9	217.3
57°	228.3	227.0	225.1	222.7	222.0	218.7	215.6	214.3	213.4	213.4	214.5
57.5°	226.2	224.7	222.3	220.2	219.7	215.9	213.5	212.2	211.1	211.0	212.5
58°	224.3	222.1	219.8	217.7	217.6	213.5	210.7	209.7	208.4	208.5	210.7
58.5°	222.0	219.2	217.6	215.2	215.0	211.2	207.8	207.0	205.5	206.1	208.4
59°	219.1	216.8	215.7	212.3	212.2	208.8	205.1	204.4	203.0	203.7	205.4
59.5°	216.5	214.5	213.6	209.6	209.4	206.2	202.9	202.1	201.3	201.7	202.6
60°	213.7	212.3	210.8	207.5	207.3	203.8	201.1	199.6	199.1	199.4	200.4
60.5°	211.0	209.9	207.9	205.4	204.9	201.5	198.6	196.9	196.2	196.9	198.8
61°	208.7	207.2	205.2	202.9	202.2	199.0	195.7	194.2	193.6	194.0	196.9
61.5°	206.4	204.7	202.9	200.6	199.4	196.3	192.8	191.9	191.2	191.2	194.1
62°	204.2	202.7	200.6	198.2	196.9	193.8	190.2	189.9	188.9	188.8	191.0
62.5°	201.7	200.6	198.1	195.9	195.0	191.4	188.1	187.6	186.6	187.0	188.1
63°	199.0	198.2	195.5	193.0	193.0	189.0	186.2	184.8	184.0	185.0	186.0
63.5°	196.4	195.2	193.0	190.3	190.2	186.6	183.9	182.3	181.3	182.4	184.3
64°	194.0	192.4	190.6	188.2	187.3	184.1	181.1	179.7	178.7	179.4	181.9
64.5°	191.7	189.9	188.4	186.0	184.6	181.5	178.2	177.3	176.2	176.7	179.1
65°	189.5	187.6	186.0	183.7	182.3	178.9	175.7	174.6	174.1	174.4	176.4
65.5°	187.0	185.4	183.7	180.9	180.2	176.5	173.3	172.1	172.0	172.3	174.0
66°	184.6	183.0	181.0	178.3	178.0	174.2	171.0	169.8	169.2	170.0	171.8
66.5°	182.0	180.4	178.4	175.9	175.4	171.8	168.7	167.4	166.6	167.4	169.3
67°	179.5	178.0	175.9	173.6	172.8	169.1	166.2	165.2	164.4	165.0	167.3



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	176.8	175.7	173.5	171.0	170.0	166.7	163.7	162.6	162.1	162.6	165.0
68°	174.4	173.3	171.0	168.3	167.5	164.9	161.1	160.2	159.8	160.4	162.2
68.5°	172.3	171.2	168.4	166.3	165.3	162.5	158.9	157.8	157.4	158.2	159.8
69°	170.0	168.6	166.2	164.2	162.8	159.9	156.9	155.5	154.8	155.9	157.8
69.5°	167.7	166.0	163.7	161.7	160.4	157.2	154.8	153.1	152.5	153.4	155.8
70°	165.0	163.2	161.8	159.0	158.1	154.7	152.1	150.5	150.2	151.0	153.4
70.5°	162.5	160.9	159.9	156.5	155.8	152.5	149.4	148.4	147.8	148.7	150.8
71°	160.3	158.7	157.5	154.2	153.4	150.3	146.8	146.2	145.2	146.5	148.4
71.5°	157.9	156.5	154.6	152.2	151.1	147.7	144.4	143.7	142.8	144.3	146.0
72°	155.5	154.1	151.9	150.0	148.6	144.9	142.3	141.4	140.7	142.1	143.8
72.5°	153.4	151.7	149.7	147.6	146.4	142.6	140.0	139.1	138.6	139.7	141.5
73°	150.8	149.1	147.7	145.1	144.1	140.8	137.8	136.8	136.2	136.9	139.1
73.5°	148.6	146.7	145.6	142.8	141.7	138.8	135.7	134.4	133.8	134.7	136.7
74°	146.1	144.6	143.1	140.4	139.1	136.3	133.4	131.9	131.7	132.7	134.8
74.5°	143.7	142.3	140.6	137.9	136.8	133.9	131.1	129.8	129.5	130.7	133.2
75°	141.4	140.2	138.2	135.8	134.7	131.4	128.9	127.7	127.3	128.5	130.9
75.5°	139.3	137.9	136.0	133.7	132.5	129.3	126.6	125.7	125.2	126.1	128.6
76°	137.0	135.8	133.9	131.6	130.4	126.8	124.3	123.5	122.9	123.9	126.0
76.5°	134.8	133.8	131.9	129.6	128.0	124.7	122.1	121.2	120.6	122.0	123.7
77°	132.5	131.5	129.8	127.2	125.7	122.8	119.9	119.1	118.5	120.2	121.9
77.5°	130.2	128.9	127.3	124.7	123.5	120.8	117.7	117.0	116.5	118.1	120.0
78°	127.9	126.7	124.8	122.4	121.4	118.5	115.6	114.8	114.4	115.7	117.8
78.5°	125.7	124.7	122.7	120.4	119.3	116.1	113.6	112.7	112.6	113.4	115.7
79°	123.7	122.9	120.7	118.7	117.1	114.0	111.5	110.4	110.6	111.1	113.6
79.5°	121.8	120.7	118.7	116.8	115.0	112.1	109.4	108.4	108.4	109.3	111.6
80°	119.6	118.2	116.5	114.6	112.8	110.2	107.4	106.6	106.3	107.8	109.6
80.5°	117.7	116.1	114.4	112.5	111.0	108.3	105.6	104.8	104.4	105.8	107.6
81°	115.4	114.1	112.5	110.4	109.0	106.3	103.7	102.9	102.4	103.6	105.6
81.5°	113.3	112.1	110.4	108.4	106.9	104.2	101.5	100.8	100.5	101.6	103.7
82°	111.1	110.0	108.5	106.5	104.9	102.1	99.4	98.7	98.8	99.7	101.7
82.5°	109.0	108.1	106.4	104.5	103.2	100.2	97.7	96.7	97.0	97.9	99.7
83°	107.0	106.0	104.6	102.6	101.2	98.3	96.0	95.1	95.2	96.1	97.9
83.5°	105.3	104.2	102.8	100.7	99.3	96.6	94.5	93.6	93.4	94.6	96.3
84°	103.3	102.4	101.0	98.9	97.3	94.8	92.7	92.0	91.3	92.9	94.7
84.5°	101.4	100.4	99.1	97.0	95.4	93.2	90.8	90.1	89.8	91.0	93.1
85°	99.6	98.4	97.3	95.3	93.9	91.3	88.8	88.2	88.1	89.0	91.2
85.5°	97.6	96.5	95.5	93.5	92.2	89.7	87.2	86.4	86.4	87.4	89.3
86°	95.8	95.1	94.0	91.9	90.4	87.9	85.6	84.6	84.7	86.1	87.5
86.5°	94.1	93.3	92.2	90.4	88.6	86.2	84.0	83.0	83.0	84.6	86.0
87°	92.3	91.6	90.5	88.6	86.6	84.3	82.4	81.5	81.3	82.9	84.6
87.5°	90.8	89.9	88.6	87.0	85.1	82.7	80.8	80.1	80.0	81.0	83.1
88°	89.2	88.2	87.0	85.4	83.5	81.2	79.3	78.5	78.7	79.4	81.3
88.5°	87.3	86.4	85.3	83.7	82.0	79.7	77.7	76.9	77.1	78.0	79.7
89°	85.5	84.8	83.8	82.1	80.5	78.1	76.3	75.4	75.5	76.7	78.1
89.5°	83.9	83.2	82.2	80.5	78.8	76.5	74.6	74.0	74.0	75.2	76.6



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	82.5	81.8	80.6	79.0	77.3	74.9	73.2	72.5	72.5	73.6	75.3
90.5°	81.0	80.2	79.0	77.5	75.8	73.5	71.9	71.2	71.1	72.2	73.9
91°	79.5	78.6	77.6	76.2	74.2	72.2	70.4	69.9	69.9	70.9	72.6
91.5°	77.7	77.2	76.2	74.8	72.6	70.8	68.9	68.5	68.5	69.6	71.1
92°	76.3	75.6	74.9	73.4	71.3	69.6	67.5	67.0	67.1	68.4	69.7
92.5°	74.8	74.3	73.4	71.8	70.0	68.1	66.4	65.6	65.8	67.0	68.4
93°	73.6	72.9	71.8	70.3	68.8	66.7	65.1	64.4	64.4	65.7	67.1
93.5°	72.3	71.5	70.4	69.0	67.4	65.4	63.7	63.2	63.2	64.3	65.9
94°	70.8	70.1	69.3	67.8	66.0	64.1	62.7	62.0	62.2	63.1	64.6
94.5°	69.4	68.9	68.1	66.7	64.6	63.1	61.3	60.9	61.1	62.0	63.4
95°	68.0	67.6	66.6	65.4	63.4	61.6	60.2	59.8	59.8	60.8	62.1
95.5°	66.8	66.2	65.2	64.0	62.1	60.4	59.2	58.8	58.7	59.7	60.8
96°	65.6	64.8	64.0	62.6	61.1	59.5	58.3	57.6	57.7	58.7	59.8
96.5°	64.4	63.8	63.0	61.5	59.8	58.6	57.3	56.5	56.7	57.6	59.0
97°	63.0	62.6	61.9	60.5	58.8	57.4	55.9	55.4	55.5	56.6	58.0
97.5°	61.9	61.6	60.8	59.5	57.6	56.1	54.8	54.3	54.5	55.6	56.9
98°	60.9	60.5	59.7	58.3	56.5	55.0	53.9	53.4	53.8	54.6	55.6
98.5°	59.9	59.4	58.5	57.2	55.5	54.1	52.9	52.4	52.8	53.5	54.6
99°	58.7	58.3	57.4	56.4	54.5	53.0	51.9	51.4	51.8	52.5	53.9
99.5°	57.7	57.1	56.4	55.3	53.5	52.1	50.9	50.7	50.7	51.7	52.9
100°	56.6	56.1	55.4	54.2	52.4	51.1	49.9	49.7	49.8	50.8	52.0
100.5°	55.6	55.2	54.5	53.2	51.3	50.2	49.1	48.8	49.1	49.9	51.0
101°	54.5	54.1	53.4	52.2	50.7	49.3	48.3	48.0	48.4	49.0	50.0
101.5°	53.7	52.9	52.5	51.4	49.8	48.3	47.3	47.1	47.5	48.4	49.1
102°	52.8	52.0	51.5	50.5	48.9	47.4	46.5	46.4	46.5	47.5	48.5
102.5°	51.8	51.3	50.5	49.7	47.9	46.6	45.7	45.6	45.7	46.6	47.5
103°	50.6	50.5	49.6	48.8	46.9	45.7	45.0	44.8	45.4	45.8	46.8
103.5°	49.9	49.7	48.8	48.0	46.2	45.1	44.3	44.1	44.3	45.2	46.1
104°	49.1	48.4	48.1	47.1	45.4	44.3	43.7	43.4	43.7	44.3	45.2
104.5°	48.5	47.5	47.2	46.2	44.8	43.3	42.8	42.9	43.0	43.9	44.5
105°	47.7	46.9	46.3	45.6	44.0	42.8	42.0	42.0	42.3	43.1	43.9
105.5°	46.7	46.3	45.7	44.9	43.2	42.2	41.2	41.2	41.7	42.3	43.1
106°	46.0	45.5	44.9	44.1	42.5	41.5	40.8	40.8	41.0	41.8	42.5
106.5°	45.3	44.8	44.2	43.4	41.8	40.8	40.4	40.0	40.6	41.1	41.8
107°	44.6	44.1	43.6	42.7	41.1	40.1	39.5	39.6	39.8	40.9	41.2
107.5°	43.8	43.4	42.9	42.1	40.6	39.6	39.0	39.0	39.3	39.8	40.8
108°	43.1	42.7	42.3	41.5	39.7	38.8	38.4	38.5	38.7	39.4	40.0
108.5°	42.5	42.0	41.6	41.1	39.2	38.2	37.7	37.8	38.2	38.7	39.6
109°	41.9	41.5	40.9	40.4	38.7	37.7	37.0	37.2	37.6	38.2	38.8
109.5°	41.4	40.8	40.4	39.7	38.2	37.4	36.5	36.7	37.1	37.7	38.5
110°	40.7	40.2	39.7	39.0	37.4	36.6	36.2	36.3	36.5	37.3	37.8
110.5°	40.2	39.6	39.2	38.4	37.0	36.4	35.8	36.0	36.5	36.7	37.3
111°	39.6	39.2	38.7	38.0	36.5	35.7	35.2	35.3	35.7	36.5	36.8
111.5°	39.0	38.6	38.2	37.5	36.3	35.1	34.6	34.8	35.2	36.1	36.4
112°	38.4	38.0	37.6	37.0	35.4	34.8	34.3	34.2	34.8	35.3	36.3



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	38.1	37.7	37.1	36.7	35.1	34.2	33.9	34.1	34.3	35.1	35.6
113°	37.6	37.0	36.7	36.2	34.5	33.9	33.4	33.6	34.1	34.4	35.0
113.5°	37.1	36.6	36.3	35.6	34.1	33.4	32.9	33.2	33.6	34.2	34.9
114°	36.7	36.3	35.9	35.2	33.7	33.1	32.8	33.0	33.2	33.9	34.3
114.5°	36.3	35.8	35.4	34.8	33.2	32.9	32.2	32.3	33.1	33.5	34.3
115°	35.8	35.4	35.0	34.5	33.0	32.2	32.0	32.1	32.8	33.5	33.6
115.5°	35.5	35.0	34.6	34.1	32.7	31.8	31.7	32.0	32.2	32.9	33.3
116°	35.2	34.6	34.3	33.7	32.2	31.8	31.3	32.0	31.9	32.7	33.0
116.5°	34.7	34.2	34.0	33.3	31.9	31.7	30.8	31.3	31.9	32.1	32.9
117°	34.3	33.9	33.6	33.0	31.8	31.0	30.8	31.0	31.5	32.0	32.4
117.5°	34.0	33.7	33.2	32.8	31.2	30.8	30.7	30.7	31.3	31.8	32.1
118°	33.7	33.3	32.9	32.5	31.0	30.8	30.6	30.7	31.1	31.6	31.9
118.5°	33.5	33.0	32.6	32.3	30.7	30.5	30.1	30.4	30.8	31.2	31.8
119°	33.2	32.8	32.4	32.1	30.6	30.4	29.9	30.1	30.7	31.1	31.6
119.5°	33.0	32.6	32.2	31.9	30.3	29.8	29.6	29.9	30.5	30.9	31.2
120°	32.8	32.3	31.9	31.7	30.0	29.6	29.5	29.7	30.2	30.9	31.0
120.5°	32.5	32.1	31.7	31.4	29.8	29.6	29.5	29.7	30.2	30.9	30.9
121°	32.3	31.9	31.4	31.2	29.8	29.6	29.5	29.6	29.9	30.7	30.7
121.5°	32.0	31.7	31.3	31.0	29.7	29.5	29.4	29.5	29.9	30.3	30.7
122°	31.8	31.5	31.1	30.9	29.6	29.5	29.3	29.5	30.0	30.2	30.7
122.5°	31.7	31.4	31.0	30.7	29.6	29.4	29.3	29.5	29.9	30.2	30.6
123°	31.5	31.1	30.9	30.7	29.4	29.4	29.2	29.4	29.9	30.2	30.4
123.5°	31.2	30.9	30.7	30.5	29.4	29.4	29.2	29.4	29.9	30.2	30.3
124°	31.1	30.8	30.5	30.5	29.3	29.4	29.2	29.4	30.0	30.2	30.3
124.5°	30.9	30.7	30.3	30.2	29.3	29.4	29.2	29.4	29.9	30.2	30.3
125°	30.9	30.6	30.3	30.2	29.3	29.4	29.2	29.4	29.9	30.2	30.3
125.5°	30.8	30.5	30.3	30.1	29.3	29.4	29.2	29.4	29.9	30.2	30.3
126°	30.8	30.3	30.2	30.1	29.3	29.4	29.3	29.4	29.9	30.2	30.3
126.5°	30.8	30.4	30.2	30.0	29.3	29.4	29.3	29.4	29.9	30.2	30.3
127°	30.6	30.3	30.1	30.0	29.3	29.4	29.3	29.4	29.9	30.2	30.3
127.5°	30.6	30.3	30.1	30.0	29.4	29.4	29.4	29.5	30.0	30.3	30.3
128°	30.6	30.3	30.1	30.0	29.5	29.4	29.5	29.6	30.0	30.4	30.3
128.5°	30.5	30.2	30.0	30.0	29.6	29.6	29.5	29.6	30.1	30.4	30.3
129°	30.5	30.2	30.0	30.0	29.7	29.6	29.6	29.8	30.1	30.5	30.3
129.5°	30.5	30.2	30.0	30.0	29.8	29.6	29.7	29.7	30.2	30.5	30.6
130°	30.4	30.1	30.0	30.0	29.7	29.6	29.9	29.9	30.2	30.5	30.8
130.5°	30.4	30.1	30.0	30.0	29.7	29.7	29.9	29.9	30.4	30.5	30.8
131°	30.4	30.1	30.0	30.0	29.9	29.9	29.9	30.0	30.5	30.7	30.8
131.5°	30.4	30.1	30.0	30.0	29.9	30.1	30.1	30.1	30.5	30.8	30.8
132°	30.4	30.1	30.0	30.1	30.0	30.1	30.2	30.1	30.6	30.9	30.9
132.5°	30.4	30.1	30.0	30.1	30.1	30.2	30.3	30.4	30.8	31.0	31.0
133°	30.4	30.1	30.1	30.0	30.3	30.3	30.6	30.6	31.0	31.2	31.1
133.5°	30.4	30.1	30.1	30.2	30.5	30.4	30.6	30.8	31.2	31.3	31.1
134°	30.5	30.2	30.1	30.6	30.5	30.6	30.8	30.8	31.4	31.3	31.2
134.5°	30.4	30.2	30.4	30.8	30.8	30.9	30.9	31.0	31.5	31.4	31.4



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	30.4	30.2	30.6	30.7	30.9	31.0	31.1	31.2	31.7	31.6	31.5
135.5°	30.8	30.5	30.6	30.7	31.2	31.2	31.4	31.5	31.8	31.9	31.6
136°	30.8	30.7	30.8	30.9	31.3	31.4	31.7	31.6	32.0	32.1	31.7
136.5°	30.8	30.7	30.9	31.1	31.4	31.6	31.8	31.8	32.1	32.3	31.9
137°	30.9	30.9	31.3	31.6	31.5	31.8	31.8	32.0	32.3	32.3	31.8
137.5°	31.1	31.0	31.5	31.8	31.7	32.0	32.0	32.1	32.4	32.6	32.2
138°	31.3	31.2	31.8	31.8	31.9	32.1	32.2	32.4	32.5	32.7	32.5
138.5°	31.3	31.5	31.8	31.8	32.1	32.4	32.5	32.6	32.7	32.7	32.6
139°	31.8	31.8	31.9	32.0	32.4	32.6	32.6	32.7	33.0	32.9	32.8
139.5°	32.0	31.9	31.9	32.2	32.5	32.7	32.8	32.9	33.2	33.1	33.0
140°	32.0	31.9	32.2	32.4	32.7	32.9	33.0	33.1	33.3	33.4	33.2
140.5°	32.2	32.0	32.3	32.7	33.0	33.0	33.2	33.3	33.4	33.7	33.5
141°	32.2	32.2	32.4	33.0	33.1	33.1	33.4	33.4	33.6	33.9	33.6
141.5°	32.3	32.3	32.8	33.0	33.3	33.2	33.6	33.4	33.7	34.0	33.8
142°	32.5	32.5	33.0	33.0	33.4	33.6	33.6	33.6	33.9	34.1	34.0
142.5°	33.0	33.0	32.9	33.3	33.6	33.7	33.9	33.8	34.1	34.2	34.2
143°	33.1	33.0	33.1	33.6	33.7	33.8	34.1	33.8	34.1	34.4	34.4
143.5°	33.2	33.0	33.2	34.0	33.8	33.8	34.1	34.0	34.1	34.5	34.5
144°	33.2	33.0	33.3	34.0	33.8	33.9	34.1	34.1	34.2	34.5	34.6
144.5°	33.2	33.1	33.4	34.0	34.0	34.2	34.0	34.2	34.2	34.4	34.5
145°	33.2	33.1	33.5	34.0	34.0	34.3	34.0	34.2	34.2	34.4	34.5
145.5°	33.2	33.1	33.5	34.0	34.1	34.3	34.0	34.1	34.2	34.4	34.5
146°	33.3	33.3	33.7	34.0	34.2	34.3	34.0	34.2	34.2	34.4	34.5
146.5°	33.7	33.5	34.0	34.0	34.2	34.1	34.0	34.2	34.2	34.4	34.5
147°	33.7	33.5	34.1	34.0	34.0	34.1	34.0	34.1	34.3	34.4	34.6
147.5°	33.6	33.6	34.0	34.0	33.9	34.1	34.0	33.9	34.3	34.4	34.6
148°	33.6	33.6	34.0	34.1	33.5	34.0	34.0	33.6	34.1	34.4	34.5
148.5°	33.6	33.6	34.2	34.1	33.5	33.5	34.0	33.6	34.1	34.5	34.5
149°	33.6	33.7	34.2	34.1	33.5	33.5	33.6	33.4	34.1	34.5	34.5
149.5°	33.6	33.7	34.1	34.1	33.5	33.3	33.4	33.4	34.1	34.2	34.4
150°	33.6	33.7	34.1	34.1	33.4	33.2	33.2	33.2	34.1	34.2	34.2
150.5°	33.6	33.7	34.2	34.1	33.4	33.2	33.1	33.1	33.6	34.2	34.2
151°	33.6	33.7	34.2	34.1	33.4	33.2	33.1	33.1	33.4	34.2	34.2
151.5°	33.6	33.7	34.0	34.1	33.3	33.1	33.1	33.1	33.4	34.2	34.2
152°	33.6	33.6	34.0	34.1	33.2	33.0	33.0	33.1	33.4	34.1	34.1
152.5°	33.6	33.6	33.9	34.1	33.1	32.9	33.0	33.1	33.3	34.1	34.1
153°	33.6	33.5	33.9	34.0	33.1	32.9	33.0	33.1	33.2	34.1	34.1
153.5°	33.6	33.5	33.9	34.0	33.1	33.0	33.0	33.1	33.2	34.1	34.1
154°	33.6	33.5	33.9	33.9	33.1	32.9	33.0	33.1	33.2	34.0	34.1
154.5°	33.6	33.5	33.8	33.9	33.1	32.9	33.0	33.1	33.2	34.0	34.0
155°	33.6	33.5	33.6	33.8	33.1	32.9	33.1	33.1	33.2	34.0	34.0
155.5°	33.6	33.5	33.6	33.9	33.1	32.9	33.1	33.1	33.2	34.0	34.0
156°	33.6	33.4	33.6	33.9	33.1	32.9	32.9	33.1	33.2	34.0	34.0
156.5°	33.6	33.4	33.7	33.8	33.1	32.9	32.9	33.1	33.2	34.0	34.0
157°	33.5	33.4	33.6	33.8	33.1	32.9	33.0	33.1	33.2	33.7	34.0



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	33.5	33.3	33.6	33.7	33.1	32.9	32.9	32.9	33.2	33.5	34.0
158°	33.5	33.0	33.5	33.6	33.1	32.9	32.9	33.0	33.2	33.3	34.0
158.5°	33.5	33.0	33.3	33.4	33.1	32.9	32.9	32.9	33.2	33.3	34.0
159°	33.3	33.0	33.1	33.3	33.1	32.9	32.7	32.7	33.1	33.3	33.6
159.5°	33.1	32.9	33.0	33.2	33.1	33.0	32.6	32.3	32.7	33.3	33.4
160°	32.9	32.8	32.8	33.1	33.0	33.0	32.3	32.1	32.4	33.0	33.1
160.5°	33.0	32.7	32.8	33.0	32.8	32.8	32.1	32.0	32.1	33.1	33.0
161°	32.9	32.5	32.7	33.0	32.3	32.4	31.9	31.9	32.0	32.8	33.0
161.5°	32.7	32.4	32.6	32.8	32.3	32.2	31.8	31.9	32.0	32.5	32.9
162°	32.7	32.3	32.4	32.7	32.1	32.0	31.8	31.5	31.9	32.3	32.9
162.5°	32.5	32.3	32.3	32.5	32.0	31.8	31.7	31.2	31.7	32.1	32.4
163°	32.4	32.1	32.1	32.3	32.0	31.8	31.6	31.1	31.3	31.9	32.2
163.5°	32.4	32.0	32.0	32.2	32.0	31.8	31.3	31.0	31.1	31.9	32.1
164°	32.3	31.8	31.9	31.9	31.4	31.3	31.1	30.8	31.0	31.7	31.9
164.5°	32.1	31.6	31.7	31.8	31.2	31.0	30.8	30.8	30.8	31.3	31.8
165°	32.0	31.5	31.5	31.5	31.1	31.0	30.6	30.6	30.8	30.9	31.8
165.5°	31.8	31.2	31.2	31.4	30.9	30.8	30.6	30.3	30.6	30.8	31.6
166°	31.6	31.0	31.0	31.1	30.7	30.7	30.1	30.1	30.2	30.7	30.9
166.5°	31.3	30.8	30.8	30.9	30.7	30.7	29.9	29.9	30.0	30.2	30.7
167°	31.1	30.6	30.5	30.7	30.4	30.4	29.7	29.7	29.7	30.0	30.6
167.5°	31.0	30.3	30.1	30.3	30.0	29.9	29.4	29.7	29.6	29.9	30.1
168°	30.6	30.0	29.7	29.8	29.5	29.4	29.0	29.1	29.4	29.7	29.9
168.5°	30.2	29.6	29.3	29.4	28.8	28.8	28.5	28.7	28.9	29.2	29.6
169°	29.8	29.2	28.8	28.9	28.6	28.6	28.4	28.6	28.8	29.0	29.1
169.5°	29.5	28.9	28.7	28.6	28.4	28.4	28.5	28.6	28.8	29.0	29.2
170°	29.4	28.9	28.7	28.7	28.4	28.4	28.5	28.7	28.8	29.0	29.2
170.5°	29.4	28.9	28.6	28.6	28.5	28.5	28.5	28.7	28.9	29.0	29.2
171°	29.8	29.7	30.1	30.0	29.0	28.8	28.9	29.1	29.2	29.2	29.2
171.5°	31.4	31.5	31.9	31.7	30.8	30.2	30.3	30.5	30.4	30.3	29.8
172°	33.1	33.3	33.3	33.2	32.6	32.1	32.3	32.5	32.2	31.9	31.4
172.5°	34.2	34.3	34.3	34.2	34.3	33.9	34.2	34.4	34.1	33.7	33.1
173°	35.1	35.1	35.1	35.1	35.4	35.0	35.5	35.7	35.3	34.9	34.5
173.5°	36.1	35.6	35.4	35.4	36.1	35.8	36.2	36.5	36.2	35.8	35.4
174°	36.5	36.5	35.9	35.7	36.7	36.4	36.7	36.8	36.9	36.5	36.2
174.5°	36.5	36.5	36.4	36.4	37.0	36.8	36.9	36.8	36.9	36.5	36.5
175°	36.4	36.5	36.6	36.4	37.1	37.0	36.9	36.8	36.8	36.5	36.4
175.5°	36.4	36.5	36.5	36.4	37.3	37.2	36.8	36.8	36.8	36.5	36.4
176°	36.6	36.5	36.5	36.4	37.4	37.2	36.8	36.8	36.8	36.5	36.4
176.5°	36.6	36.5	36.5	36.4	37.4	37.3	36.8	36.8	36.8	36.5	36.4
177°	36.6	36.5	36.5	36.4	37.5	37.3	36.8	36.8	36.8	36.5	36.4
177.5°	36.6	36.5	36.5	36.4	37.5	37.3	36.8	36.8	36.8	36.5	36.4
178°	36.6	36.5	36.5	36.4	37.5	37.3	36.8	36.8	36.8	36.5	36.4
178.5°	36.6	36.5	36.5	36.4	37.7	37.3	36.8	36.8	36.8	36.5	36.4
179°	36.6	36.5	36.5	36.5	37.7	37.3	36.8	36.8	36.8	36.5	36.4
179.5°	36.6	36.5	36.5	36.6	37.7	37.3	36.8	36.8	36.8	36.5	36.4



TEST NUMBER: P601028
CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	383.5	383.5	383.5	383.5	383.5	383.5
0.5°	383.5	383.5	383.6	382.6	383.7	383.5
1°	383.5	383.5	383.3	382.4	383.8	383.8
1.5°	382.8	383.5	383.3	382.5	383.8	384.5
2°	381.9	383.5	383.3	382.8	383.9	385.3
2.5°	381.4	383.5	383.3	383.1	383.9	385.5
3°	381.5	383.6	383.3	383.0	383.8	385.1
3.5°	381.7	383.6	383.1	382.0	383.8	384.6
4°	382.5	382.9	382.9	381.9	384.4	384.3
4.5°	382.5	382.4	382.4	381.9	384.4	384.1
5°	382.0	382.3	382.3	381.8	384.4	384.1
5.5°	380.8	382.1	382.3	381.8	384.1	383.9
6°	379.9	382.1	382.3	381.3	383.5	383.3
6.5°	379.7	382.2	382.3	380.9	382.7	383.2
7°	379.7	382.2	381.2	380.9	382.4	383.0
7.5°	379.7	381.3	380.8	380.9	382.5	383.0
8°	379.0	380.4	380.8	380.9	382.6	383.0
8.5°	378.2	380.1	380.7	380.0	382.7	382.5
9°	377.7	379.8	380.7	379.0	381.7	381.9
9.5°	377.0	379.4	379.9	378.8	380.4	381.2
10°	376.3	379.1	379.0	378.8	380.0	381.0
10.5°	376.3	378.6	378.2	378.8	380.0	381.0
11°	375.7	377.4	377.9	378.6	380.0	381.0
11.5°	375.0	376.2	377.4	378.0	380.0	380.2
12°	373.8	375.7	376.6	377.3	379.4	379.1
12.5°	372.8	375.7	376.2	376.1	378.4	378.1
13°	372.1	375.6	375.8	374.8	377.9	377.3
13.5°	371.7	374.4	374.7	374.1	377.8	377.2
14°	371.0	373.2	373.2	374.0	376.7	377.2
14.5°	371.1	372.6	372.4	374.0	375.4	377.0
15°	370.5	372.4	372.2	374.1	374.8	375.7
15.5°	369.1	371.5	372.0	373.6	374.3	374.0
16°	367.6	370.0	371.9	370.8	374.0	372.5
16.5°	366.5	369.1	371.3	369.3	373.6	372.1
17°	366.3	368.6	369.3	368.6	372.4	372.1
17.5°	365.7	368.2	367.4	368.3	370.9	372.1
18°	365.0	367.4	366.8	368.2	369.8	371.5
18.5°	364.0	365.3	366.8	367.9	368.9	369.8
19°	362.7	363.6	366.7	366.6	368.0	368.4
19.5°	360.9	362.6	365.4	365.0	366.6	367.5
20°	359.6	362.2	362.8	363.8	365.7	366.7
20.5°	358.7	361.5	361.0	363.2	364.9	365.6
21°	358.4	359.9	360.9	361.9	363.9	364.0
21.5°	357.7	357.8	360.8	360.0	362.7	362.8
22°	356.4	357.1	360.2	358.7	361.5	362.1



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	354.3	356.4	358.3	358.1	360.9	361.1
23°	352.9	355.3	356.1	357.4	360.3	360.1
23.5°	352.5	353.9	354.7	355.9	358.9	359.2
24°	351.3	352.0	353.4	354.9	356.8	357.7
24.5°	349.2	351.0	352.4	353.9	355.3	356.4
25°	347.1	349.6	351.7	352.6	354.6	355.6
25.5°	345.3	347.9	350.4	351.2	353.4	354.5
26°	344.5	346.7	348.5	349.5	351.7	352.5
26.5°	344.1	346.2	347.2	347.8	350.4	350.3
27°	342.8	345.6	346.3	346.6	349.6	349.0
27.5°	340.8	344.1	345.2	345.4	348.3	348.4
28°	338.7	341.6	343.1	344.1	346.2	347.6
28.5°	337.1	339.4	340.9	342.9	344.4	346.5
29°	336.1	338.3	339.7	341.5	343.3	344.7
29.5°	335.0	337.4	338.8	339.8	342.1	342.9
30°	333.6	336.1	337.8	338.3	340.9	341.3
30.5°	331.5	334.1	336.2	337.0	339.2	339.9
31°	329.5	332.0	334.0	335.4	337.7	338.3
31.5°	327.7	330.1	331.5	333.3	336.5	336.1
32°	326.0	328.4	329.7	331.2	335.3	333.6
32.5°	323.9	327.0	328.6	329.6	333.5	331.8
33°	322.0	325.6	327.0	328.4	331.1	330.8
33.5°	320.6	323.6	325.0	326.8	328.9	330.0
34°	319.2	321.0	323.3	325.0	327.2	328.9
34.5°	317.4	319.2	321.6	322.9	325.7	326.6
35°	315.1	317.8	320.0	321.2	323.8	324.2
35.5°	313.1	316.3	318.3	320.2	322.1	322.1
36°	311.8	314.5	316.8	319.0	320.7	320.1
36.5°	310.5	312.5	314.8	317.2	318.5	318.4
37°	309.0	310.3	312.5	314.7	316.0	316.7
37.5°	306.8	308.4	310.4	312.4	314.3	315.0
38°	303.9	306.6	308.4	310.8	312.7	313.6
38.5°	301.0	304.4	306.6	309.2	311.2	311.9
39°	299.5	302.1	305.0	307.0	309.6	309.7
39.5°	298.6	299.9	303.0	304.6	307.6	307.2
40°	296.7	297.9	301.1	302.3	305.1	305.0
40.5°	293.9	296.4	298.8	300.5	302.7	303.4
41°	290.8	294.4	296.3	299.0	300.6	301.6
41.5°	288.6	291.9	294.2	296.9	298.9	299.3
42°	287.1	289.3	292.7	295.1	297.1	296.9
42.5°	285.2	287.3	291.0	293.2	294.8	294.7
43°	283.0	285.5	288.2	291.1	292.7	293.3
43.5°	280.8	283.4	285.5	288.7	290.8	291.6
44°	278.6	280.8	283.3	286.3	288.5	288.7
44.5°	276.4	278.6	281.4	283.7	286.4	285.5



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	273.9	276.7	279.5	281.5	284.6	283.6
45.5°	271.6	274.7	277.8	279.3	282.4	282.0
46°	269.5	272.8	275.2	277.2	279.9	280.4
46.5°	267.5	270.4	272.9	275.0	277.4	278.6
47°	265.2	267.6	270.8	273.4	275.3	276.0
47.5°	262.8	265.2	268.7	271.7	273.7	273.4
48°	260.4	263.2	266.4	269.6	271.6	270.8
48.5°	258.0	261.3	264.2	266.5	268.9	268.3
49°	255.7	259.0	262.0	263.4	266.4	266.0
49.5°	253.7	256.1	259.9	261.1	264.4	264.2
50°	251.4	253.2	257.0	259.3	262.4	262.3
50.5°	248.7	251.1	254.4	257.7	260.0	260.2
51°	246.5	249.5	252.2	255.8	257.3	257.4
51.5°	244.5	247.3	249.8	252.9	254.8	255.1
52°	242.0	244.4	247.4	249.7	252.5	252.2
52.5°	239.5	241.6	245.1	247.1	250.0	249.5
53°	237.3	239.3	242.8	245.1	247.4	247.3
53.5°	235.0	237.3	240.3	243.3	244.9	245.3
54°	232.3	235.2	238.2	241.5	242.3	243.3
54.5°	229.8	233.3	235.8	238.9	240.0	240.9
55°	228.0	230.8	233.5	236.6	238.3	238.5
55.5°	225.7	227.7	230.8	234.0	236.1	236.1
56°	223.4	225.0	228.3	231.6	233.5	233.8
56.5°	220.9	222.9	226.1	229.2	230.9	231.0
57°	218.0	220.7	224.3	226.8	228.3	228.3
57.5°	215.4	218.1	222.1	224.1	226.2	226.2
58°	213.2	215.6	219.3	221.5	224.4	224.3
58.5°	211.1	212.9	216.9	219.2	222.0	222.0
59°	208.8	210.7	214.7	216.8	219.3	219.1
59.5°	206.0	208.7	212.4	214.4	216.7	216.5
60°	203.0	206.7	209.7	212.1	214.2	213.7
60.5°	200.5	203.9	207.1	209.9	211.8	211.0
61°	198.5	201.1	204.8	207.6	209.3	208.7
61.5°	196.8	198.5	202.6	204.9	206.9	206.4
62°	194.6	196.2	200.1	202.4	204.6	204.2
62.5°	191.5	193.8	197.5	199.9	202.4	201.7
63°	188.4	191.4	194.9	197.5	199.9	199.0
63.5°	185.8	189.0	192.6	195.2	197.4	196.4
64°	184.0	186.7	190.1	192.6	194.9	194.0
64.5°	182.3	184.5	187.7	190.2	192.3	191.7
65°	180.0	182.0	185.3	188.1	189.6	189.5
65.5°	177.2	179.5	183.1	185.5	186.7	187.0
66°	174.2	176.9	180.9	183.2	184.3	184.6
66.5°	171.8	174.4	178.4	180.7	182.1	182.0
67°	169.9	172.1	175.9	178.2	179.9	179.5



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	167.8	169.9	173.4	175.7	177.3	176.8
68°	165.6	167.6	171.1	173.2	175.1	174.4
68.5°	162.8	165.0	168.6	171.0	172.9	172.3
69°	160.3	162.5	166.2	168.7	170.4	170.0
69.5°	157.9	160.2	163.8	166.4	167.8	167.7
70°	155.8	158.1	161.6	163.8	165.5	165.0
70.5°	153.6	155.9	159.1	161.7	163.0	162.5
71°	151.5	153.5	156.8	159.4	160.5	160.3
71.5°	149.2	151.1	154.5	157.2	158.1	157.9
72°	146.8	148.9	152.2	154.8	155.7	155.5
72.5°	144.2	146.6	149.8	152.6	153.6	153.4
73°	141.8	144.5	147.5	150.2	151.5	150.8
73.5°	139.6	142.2	145.3	147.9	149.4	148.6
74°	137.6	139.9	143.0	145.1	146.9	146.1
74.5°	135.6	137.6	140.9	142.8	144.3	143.7
75°	133.4	135.3	138.7	140.7	141.7	141.4
75.5°	131.1	133.1	136.4	138.7	139.6	139.3
76°	129.1	131.1	134.0	136.7	137.5	137.0
76.5°	127.0	129.0	131.8	134.2	135.3	134.8
77°	124.7	126.7	129.8	131.8	132.9	132.5
77.5°	122.6	124.5	127.7	129.6	130.7	130.2
78°	120.5	122.3	125.6	127.4	128.5	127.9
78.5°	118.4	120.1	123.4	125.6	126.5	125.7
79°	116.2	118.1	121.3	123.7	124.5	123.7
79.5°	114.1	116.2	119.3	121.3	122.2	121.8
80°	112.0	114.2	117.5	118.9	119.8	119.6
80.5°	110.3	112.0	115.4	116.9	117.6	117.7
81°	108.3	109.8	113.1	114.9	115.7	115.4
81.5°	106.4	108.0	110.8	112.9	114.0	113.3
82°	104.5	106.3	109.1	110.8	111.9	111.1
82.5°	102.4	104.4	107.3	108.7	109.4	109.0
83°	100.4	102.4	105.3	106.8	107.4	107.0
83.5°	98.6	100.5	103.5	104.8	105.5	105.3
84°	96.9	98.8	101.4	103.1	103.8	103.3
84.5°	95.2	97.2	99.4	101.3	101.9	101.4
85°	93.5	95.7	97.7	99.3	100.1	99.6
85.5°	91.7	93.7	96.1	97.3	98.1	97.6
86°	89.9	91.8	94.7	95.5	96.2	95.8
86.5°	88.2	90.0	92.8	94.1	94.8	94.1
87°	86.5	88.4	90.7	92.6	93.1	92.3
87.5°	85.0	87.1	89.2	90.9	91.3	90.8
88°	83.6	85.5	87.7	89.2	89.4	89.2
88.5°	82.1	83.7	86.2	87.2	87.6	87.3
89°	80.4	82.0	84.7	85.7	86.2	85.5
89.5°	78.7	80.6	82.8	84.1	84.6	83.9



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	77.2	79.3	81.5	82.7	83.1	82.5
90.5°	76.0	77.9	79.9	81.3	81.5	81.0
91°	74.5	76.3	78.5	79.7	79.9	79.5
91.5°	73.0	74.7	77.0	78.0	78.4	77.7
92°	71.7	73.3	75.4	76.5	77.1	76.3
92.5°	70.2	71.9	74.0	75.3	75.4	74.8
93°	68.8	70.8	72.7	74.1	74.1	73.6
93.5°	67.5	69.7	71.4	72.7	72.7	72.3
94°	66.2	68.3	70.0	71.1	71.5	70.8
94.5°	65.0	66.9	68.7	69.7	70.1	69.4
95°	63.9	65.7	67.4	68.4	68.7	68.0
95.5°	62.8	64.5	66.2	67.2	67.3	66.8
96°	61.7	63.4	65.3	66.0	66.2	65.6
96.5°	60.4	62.4	64.2	64.9	65.1	64.4
97°	59.3	61.5	62.8	63.7	64.1	63.0
97.5°	58.4	60.2	61.4	62.6	62.7	61.9
98°	57.4	59.2	60.4	61.4	61.5	60.9
98.5°	56.1	58.0	59.5	60.3	60.4	59.9
99°	55.1	56.9	58.5	59.5	59.5	58.7
99.5°	54.0	55.9	57.4	58.3	58.3	57.7
100°	53.0	55.0	56.5	57.3	57.2	56.6
100.5°	52.1	54.2	55.4	56.3	56.3	55.6
101°	51.2	53.3	54.5	55.2	55.4	54.5
101.5°	50.6	52.3	53.7	54.4	54.4	53.7
102°	49.6	51.4	52.7	53.5	53.3	52.8
102.5°	48.6	50.2	51.6	52.5	52.4	51.8
103°	47.8	49.6	50.9	51.6	51.5	50.6
103.5°	47.2	48.9	50.1	50.6	50.7	49.9
104°	46.4	48.1	49.3	49.7	49.8	49.1
104.5°	45.6	47.4	48.5	49.1	48.9	48.5
105°	45.1	46.8	47.7	48.2	48.2	47.7
105.5°	44.0	46.0	47.0	47.4	47.4	46.7
106°	43.3	45.2	46.3	46.7	46.6	46.0
106.5°	42.8	44.5	45.7	46.1	45.9	45.3
107°	42.1	43.7	44.9	45.5	45.2	44.6
107.5°	41.7	43.1	44.1	44.8	44.6	43.8
108°	40.8	42.6	43.5	44.0	43.9	43.1
108.5°	40.6	42.0	42.8	43.3	43.1	42.5
109°	39.8	41.4	42.2	42.6	42.6	41.9
109.5°	39.6	40.9	41.7	41.9	41.9	41.4
110°	38.7	40.3	41.1	41.4	41.4	40.7
110.5°	38.3	39.7	40.5	40.9	40.7	40.2
111°	37.5	39.3	39.9	40.3	40.3	39.6
111.5°	37.2	38.7	39.3	39.8	39.7	39.0
112°	36.6	38.3	38.8	39.2	39.2	38.4



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	36.3	37.9	38.4	38.7	38.6	38.1
113°	36.0	37.4	37.9	38.2	38.1	37.6
113.5°	35.2	37.0	37.4	37.8	37.7	37.1
114°	35.0	36.5	37.0	37.3	37.2	36.7
114.5°	34.8	36.1	36.7	36.9	36.8	36.3
115°	34.2	35.7	36.3	36.5	36.4	35.8
115.5°	34.1	35.4	35.9	36.1	36.0	35.5
116°	33.4	35.0	35.5	35.7	35.7	35.2
116.5°	33.2	34.7	35.1	35.3	35.2	34.7
117°	32.8	34.2	34.9	35.0	34.9	34.3
117.5°	32.7	34.0	34.5	34.7	34.5	34.0
118°	32.3	33.8	34.2	34.3	34.1	33.7
118.5°	32.0	33.6	33.9	34.0	33.8	33.5
119°	31.8	33.3	33.6	33.7	33.6	33.2
119.5°	31.7	33.1	33.3	33.4	33.3	33.0
120°	31.4	32.9	33.1	33.2	33.1	32.8
120.5°	31.1	32.7	32.9	32.9	32.9	32.5
121°	30.9	32.6	32.7	32.7	32.7	32.3
121.5°	30.8	32.2	32.5	32.5	32.5	32.0
122°	30.7	32.1	32.4	32.3	32.2	31.8
122.5°	30.7	32.1	32.1	32.1	31.9	31.7
123°	30.7	32.0	31.9	31.9	31.7	31.5
123.5°	30.6	31.9	31.7	31.8	31.6	31.2
124°	30.6	31.6	31.7	31.7	31.5	31.1
124.5°	30.5	31.4	31.5	31.6	31.4	30.9
125°	30.5	31.4	31.5	31.3	31.3	30.9
125.5°	30.5	31.4	31.3	31.2	31.1	30.8
126°	30.5	31.3	31.3	31.2	30.9	30.8
126.5°	30.5	31.2	31.2	31.1	30.9	30.8
127°	30.5	31.2	31.2	31.0	30.8	30.6
127.5°	30.5	31.1	31.0	30.9	30.8	30.6
128°	30.5	31.1	31.0	30.9	30.8	30.6
128.5°	30.5	31.1	31.0	30.9	30.6	30.5
129°	30.6	31.1	31.0	30.8	30.6	30.5
129.5°	30.6	31.1	31.0	30.8	30.7	30.5
130°	30.6	31.1	31.0	30.8	30.6	30.4
130.5°	30.7	31.1	31.0	30.8	30.6	30.4
131°	30.9	31.1	31.0	30.8	30.6	30.4
131.5°	31.0	31.1	31.0	30.8	30.6	30.4
132°	31.1	31.1	31.0	30.8	30.6	30.4
132.5°	31.1	31.1	31.0	30.8	30.6	30.4
133°	31.1	31.1	31.0	30.8	30.6	30.4
133.5°	31.3	31.1	31.0	30.8	30.7	30.4
134°	31.4	31.2	31.0	30.8	30.7	30.5
134.5°	31.4	31.2	31.0	30.8	30.8	30.4



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	31.5	31.2	31.0	30.8	30.8	30.4
135.5°	31.6	31.3	31.0	30.8	31.0	30.8
136°	31.8	31.8	31.2	31.0	30.9	30.8
136.5°	31.8	32.0	31.4	31.0	30.9	30.8
137°	31.8	32.1	31.7	31.1	31.0	30.9
137.5°	32.0	32.1	31.8	31.5	31.2	31.1
138°	32.1	32.1	31.9	31.8	31.5	31.3
138.5°	32.3	32.3	31.9	31.8	31.8	31.3
139°	32.5	32.5	32.1	31.9	31.9	31.8
139.5°	32.7	33.0	32.4	32.2	31.9	32.0
140°	32.9	33.0	32.6	32.2	32.0	32.0
140.5°	33.0	33.1	32.8	32.4	32.2	32.2
141°	33.2	33.3	32.9	32.8	32.4	32.2
141.5°	33.3	33.5	33.0	32.9	32.5	32.3
142°	33.6	33.6	33.2	32.9	32.7	32.5
142.5°	33.7	34.0	33.4	33.1	33.0	33.0
143°	33.9	34.2	33.7	33.2	33.0	33.1
143.5°	34.1	34.2	33.8	33.3	33.1	33.2
144°	34.4	34.2	34.0	33.5	33.3	33.2
144.5°	34.4	34.2	34.0	34.0	33.4	33.2
145°	34.4	34.3	34.0	34.0	33.5	33.2
145.5°	34.4	34.5	34.3	34.0	33.8	33.2
146°	34.4	34.5	34.4	34.1	34.0	33.3
146.5°	34.4	34.7	34.5	34.2	34.1	33.7
147°	34.4	34.8	34.5	34.3	34.1	33.7
147.5°	34.4	35.2	34.7	34.5	34.1	33.6
148°	34.4	35.2	35.0	34.7	34.1	33.6
148.5°	34.4	35.2	35.2	34.8	34.1	33.6
149°	34.4	35.4	35.2	34.9	34.1	33.6
149.5°	34.3	35.4	35.1	34.8	34.1	33.6
150°	34.1	35.3	35.1	34.8	34.1	33.6
150.5°	34.1	35.3	35.1	34.8	34.1	33.6
151°	34.1	35.3	35.1	34.8	34.1	33.6
151.5°	34.1	35.3	35.1	34.9	34.1	33.6
152°	34.1	35.3	35.1	34.9	34.1	33.6
152.5°	34.0	35.3	35.1	34.8	34.1	33.6
153°	33.9	35.4	35.1	34.6	34.1	33.6
153.5°	33.9	35.4	35.2	34.7	34.1	33.6
154°	33.8	35.2	35.0	34.7	34.0	33.6
154.5°	33.9	35.2	34.9	34.6	34.0	33.6
155°	33.8	35.2	34.9	34.6	34.0	33.6
155.5°	33.8	35.1	34.9	34.6	34.0	33.6
156°	33.7	35.0	34.9	34.6	34.0	33.6
156.5°	33.7	35.0	34.9	34.7	33.8	33.6
157°	33.7	35.1	34.8	34.7	33.8	33.5



TEST NUMBER: P601028
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	33.7	34.9	34.8	34.6	33.9	33.5
158°	33.7	34.9	34.9	34.5	33.9	33.5
158.5°	33.6	34.8	34.7	34.3	33.8	33.5
159°	33.5	34.8	34.7	34.3	33.6	33.3
159.5°	33.3	34.8	34.7	34.2	33.6	33.1
160°	33.2	34.8	34.7	34.0	33.6	32.9
160.5°	33.1	34.8	34.5	33.9	33.4	33.0
161°	33.0	34.5	34.2	33.8	33.3	32.9
161.5°	33.0	34.2	34.1	33.6	33.1	32.7
162°	32.9	34.0	33.9	33.4	32.9	32.7
162.5°	32.5	33.9	33.8	33.2	32.8	32.5
163°	32.3	33.8	33.5	33.1	32.7	32.4
163.5°	32.1	33.6	33.3	33.0	32.7	32.4
164°	32.1	33.4	33.2	32.8	32.5	32.3
164.5°	32.0	33.3	33.1	32.6	32.2	32.1
165°	31.8	33.1	33.0	32.4	32.2	32.0
165.5°	31.8	33.0	32.9	32.2	32.1	31.8
166°	31.4	32.8	32.6	32.0	31.9	31.6
166.5°	31.0	32.7	32.2	31.8	31.7	31.3
167°	30.8	32.5	31.9	31.6	31.5	31.1
167.5°	30.6	32.2	31.6	31.5	31.2	31.0
168°	30.5	31.8	31.4	31.1	30.8	30.6
168.5°	30.0	31.5	31.0	30.7	30.6	30.2
169°	29.6	30.9	30.5	30.3	30.2	29.8
169.5°	29.1	30.4	30.0	29.9	29.8	29.5
170°	29.1	30.0	29.8	29.7	29.6	29.4
170.5°	29.1	29.8	29.7	29.6	29.6	29.4
171°	29.2	29.8	29.8	29.6	29.7	29.8
171.5°	29.7	30.7	30.6	30.4	31.0	31.4
172°	31.0	32.5	32.3	32.2	32.8	33.1
172.5°	32.8	33.9	33.9	33.7	34.1	34.2
173°	34.3	35.0	34.8	34.8	35.1	35.1
173.5°	35.3	35.7	35.5	35.5	35.8	36.1
174°	36.0	36.3	36.3	36.3	36.4	36.5
174.5°	36.5	36.4	36.4	36.3	36.6	36.5
175°	36.5	36.4	36.4	36.3	36.7	36.4
175.5°	36.5	36.5	36.3	36.4	36.8	36.4
176°	36.5	36.5	36.3	36.4	36.8	36.6
176.5°	36.5	36.7	36.6	36.6	36.8	36.6
177°	36.5	36.8	36.5	36.6	36.8	36.6
177.5°	36.5	36.9	36.6	36.6	36.8	36.6
178°	36.5	36.9	36.6	36.7	36.8	36.6
178.5°	36.5	36.9	36.8	36.7	36.8	36.6
179°	36.5	37.0	36.8	36.7	36.8	36.6
179.5°	36.5	37.0	37.0	36.7	36.8	36.6



TEST NUMBER: P601028
CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	36.5	36.5	36.5	36.5	36.5	36.5

(END OF REPORT)