

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: P601036

Luminaire Tested: FM159S1EWHR_3500K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601036
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_3500K
Description: FM159S1EWHR at 3500K
Light Source: -
Ballast/Driver: -

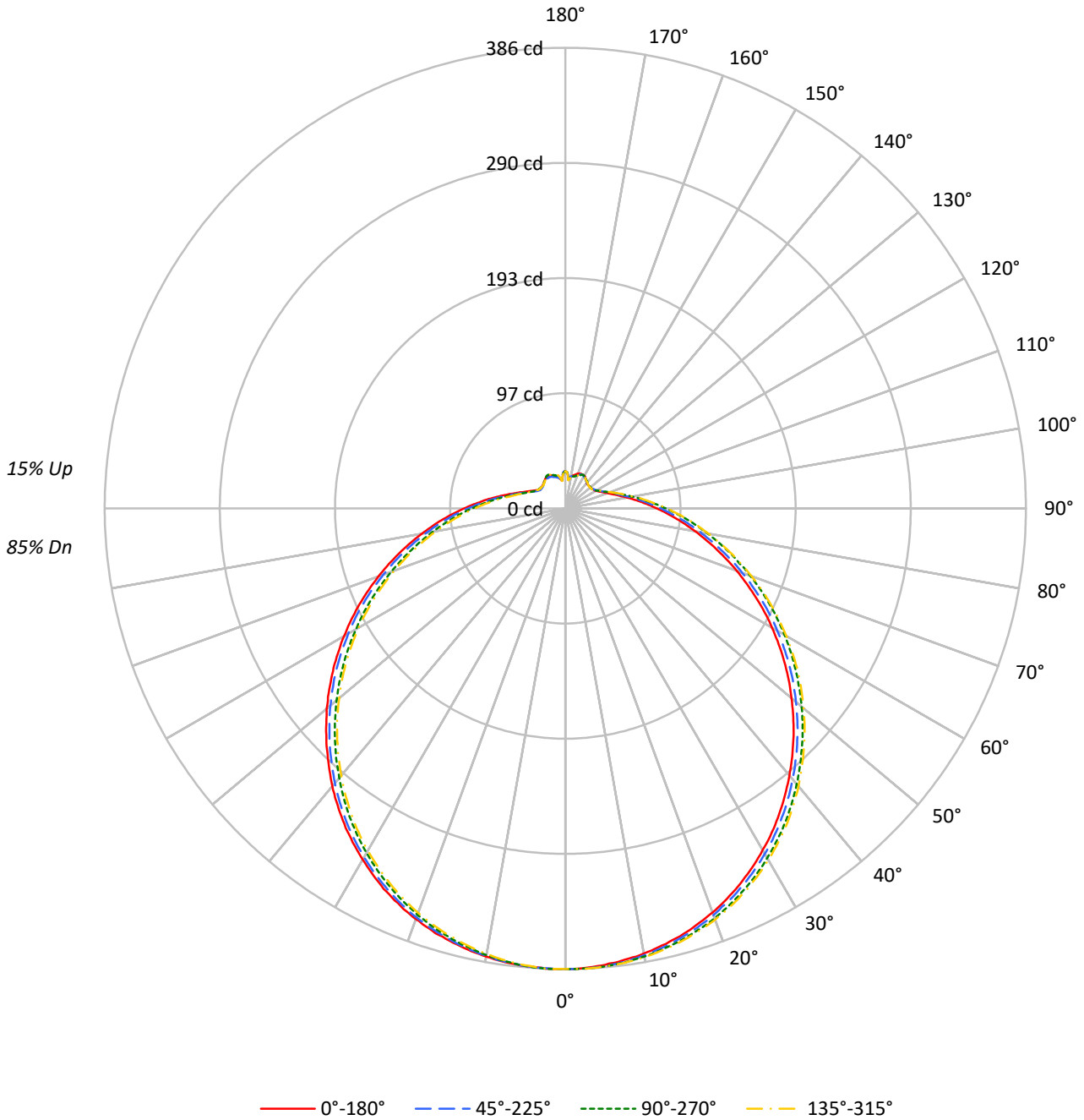
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1601.8 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
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

TEST NUMBER: P601036
CATALOG NUMBER: FM159S1EWHR_3500K

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°	3386	3386	3386	3386
5°	3284	3296	3294	3292
10°	3185	3207	3207	3196
15°	3093	3121	3124	3103
20°	2998	3041	3046	3013
25°	2903	2955	2964	2921
30°	2805	2870	2882	2826
35°	2710	2785	2797	2732
40°	2610	2694	2712	2632
45°	2510	2606	2625	2534
50°	2411	2519	2543	2437
55°	2315	2435	2456	2343
60°	2219	2353	2374	2247
65°	2124	2275	2296	2156
70°	2039	2199	2220	2071
75°	1965	2141	2157	1999
80°	1922	2103	2120	1960
85°	1920	2114	2126	1962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 2631 cd/sqm



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	2.3
10°-20°	105.5	6.6
20°-30°	161.8	10.1
30°-40°	199.1	12.4
40°-50°	213.7	13.3
50°-60°	206.8	12.9
60°-70°	181.7	11.3
70°-80°	145.3	9.1
80°-90°	106.8	6.7
90°-100°	73.1	4.6
100°-110°	48.6	3.0
110°-120°	33.4	2.1
120°-130°	25.0	1.6
130°-140°	21.1	1.3
140°-150°	18.5	1.2
150°-160°	14.2	0.9
160°-170°	8.0	0.5
170°-180°	2.5	0.2
0°-30°	303.9	19.0
0°-40°	503.0	31.4
0°-60°	923.5	57.7
0°-90°	1357.3	84.7
90°-120°	155.1	9.7
90°-150°	219.8	13.7
90°-180°	244.0	15.2
0°-180°	1601.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	386	386	386	386	386	
5°	384	385	385	385	384	36
15°	371	375	375	372	371	105
25°	347	353	354	349	347	160
35°	313	321	323	315	313	196
45°	270	281	283	273	270	209
55°	224	236	238	227	224	201
65°	176	189	190	179	176	175
75°	131	142	144	133	131	138
85°	92	102	102	94	92	79
90°	77	84	85	78	77	42
95°	64	69	70	65	64	50
105°	44	47	47	44	44	47
115°	33	34	34	32	33	33
125°	28	28	27	28	28	25
135°	27	28	27	27	27	21
145°	30	30	30	30	30	19
155°	32	31	30	31	32	15
165°	29	28	28	28	29	8
175°	28	27	25	27	28	3
180°	31	31	31	31	31	



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0
0.5°	386.0	386.0	386.1	386.2	386.1	386.0	386.0	386.0	386.0	386.0	386.0
1°	385.9	386.0	386.1	386.2	386.1	386.0	386.0	386.1	386.0	385.9	386.0
1.5°	385.9	386.0	386.1	386.1	386.0	386.0	386.0	386.1	386.0	385.8	385.9
2°	385.7	385.8	386.1	386.1	386.0	386.1	386.1	386.0	386.0	385.6	385.8
2.5°	385.5	385.5	386.0	386.2	385.9	386.1	386.0	386.0	386.0	385.5	385.7
3°	385.1	385.4	385.9	386.1	385.8	386.0	386.0	385.9	385.4	385.5	385.6
3.5°	385.0	385.1	385.5	386.0	385.8	385.9	385.7	385.9	385.3	385.3	385.5
4°	384.6	384.9	385.4	385.6	385.5	385.6	385.7	385.7	385.1	385.1	385.4
4.5°	384.4	384.5	385.1	385.5	385.4	385.5	385.5	385.5	385.0	385.0	385.1
5°	384.0	384.3	384.7	385.5	385.3	385.5	385.3	385.5	385.1	384.9	385.0
5.5°	383.2	384.0	384.6	385.0	384.9	385.4	385.2	385.4	385.0	384.6	384.7
6°	383.0	383.5	384.1	384.5	384.6	385.0	384.9	385.0	384.4	384.2	384.2
6.5°	382.8	383.1	384.0	384.2	384.3	384.6	384.5	384.6	384.0	384.0	383.9
7°	382.1	382.6	383.4	383.8	383.9	384.2	384.2	384.3	383.8	383.6	383.5
7.5°	381.4	382.2	382.9	383.5	383.6	384.0	384.0	384.0	383.6	383.4	383.1
8°	381.1	381.7	382.5	383.0	383.2	383.5	383.4	383.6	383.3	382.9	382.8
8.5°	380.5	381.1	382.0	382.5	382.7	383.0	383.2	383.2	382.8	382.5	382.5
9°	380.2	380.5	381.5	381.9	382.3	382.6	382.8	382.8	382.5	382.0	381.6
9.5°	379.6	379.9	380.9	381.5	381.8	382.2	382.3	382.4	381.8	381.5	381.4
10°	378.8	379.3	380.2	381.0	381.4	381.7	381.8	381.8	381.4	381.0	380.8
10.5°	378.1	378.7	379.6	380.4	380.8	381.3	381.4	381.4	380.8	380.5	380.3
11°	377.5	378.1	379.1	379.7	380.2	380.6	380.8	380.9	380.3	380.0	379.7
11.5°	376.6	377.4	378.3	379.0	379.6	380.0	380.3	380.4	379.8	379.4	379.0
12°	375.9	376.6	377.6	378.3	379.0	379.5	379.7	379.8	379.3	378.8	378.5
12.5°	375.1	375.8	376.9	377.7	378.3	378.9	379.0	379.1	378.5	378.1	377.8
13°	374.6	375.0	376.2	377.0	377.6	378.2	378.5	378.5	377.9	377.5	377.2
13.5°	373.5	374.3	375.4	376.2	376.9	377.5	377.8	377.9	377.2	376.9	376.4
14°	372.6	373.3	374.6	375.5	376.2	376.9	377.1	377.2	376.5	376.1	375.7
14.5°	371.9	372.5	373.7	374.6	375.5	376.3	376.4	376.4	376.0	375.4	374.9
15°	371.3	371.6	372.9	373.8	374.7	375.4	375.6	375.7	375.0	374.6	374.0
15.5°	370.1	370.7	371.9	372.8	373.9	374.8	374.9	375.0	374.4	373.8	373.2
16°	369.2	370.0	371.0	371.9	373.0	373.7	374.1	374.2	373.3	373.0	372.3
16.5°	368.3	369.0	370.2	371.0	372.1	372.8	373.2	373.3	372.8	372.1	371.5
17°	367.0	367.9	369.2	370.5	371.2	372.1	372.4	372.4	372.2	371.3	370.6
17.5°	365.9	366.9	368.3	369.4	370.3	371.0	371.5	371.5	371.0	370.4	369.7
18°	364.9	365.8	367.1	368.3	369.6	370.2	370.6	370.6	370.1	369.4	368.9
18.5°	363.8	364.8	366.1	367.4	368.5	369.5	369.8	369.7	369.2	368.7	367.9
19°	362.6	363.6	365.1	366.2	367.6	368.3	368.8	368.9	368.4	367.7	366.8
19.5°	361.5	362.5	364.0	365.3	366.7	367.5	367.8	367.9	366.9	366.6	365.8
20°	360.5	361.4	362.7	364.0	365.6	366.4	366.9	366.9	366.3	365.5	364.7
20.5°	359.3	360.1	361.5	362.9	364.5	365.3	365.7	365.9	365.3	364.4	363.7
21°	358.0	358.9	360.4	361.7	363.3	364.3	364.7	364.8	364.1	363.6	362.6
21.5°	356.7	357.6	358.6	360.6	362.1	363.2	363.6	363.8	363.0	362.3	361.4
22°	355.3	356.2	358.0	359.4	361.0	361.7	362.4	362.5	362.2	361.1	360.1



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	354.0	355.0	356.6	358.1	359.8	360.7	361.2	361.3	360.7	359.8	359.0
23°	352.6	353.7	355.4	356.8	358.5	359.4	360.0	360.1	359.2	358.5	357.7
23.5°	351.3	352.3	354.1	355.5	357.2	358.2	358.8	358.9	358.4	357.4	356.4
24°	349.9	350.8	352.6	354.2	355.9	356.9	357.6	357.7	357.0	356.2	355.1
24.5°	348.5	349.5	351.1	352.9	354.6	355.6	356.1	356.3	355.6	354.8	353.6
25°	347.0	348.2	349.8	351.4	353.2	354.1	354.8	355.0	354.3	353.5	352.4
25.5°	345.4	346.7	348.4	349.9	351.9	353.0	353.6	353.6	353.3	352.0	350.8
26°	343.8	344.9	346.9	348.7	350.5	351.7	352.2	352.2	351.8	350.6	349.7
26.5°	342.4	343.4	345.3	347.1	348.9	350.3	350.8	350.9	350.2	349.3	348.1
27°	340.7	341.9	343.9	345.5	347.8	348.8	349.3	349.4	348.9	347.9	346.7
27.5°	339.3	340.3	342.3	344.0	346.2	347.4	348.0	348.0	347.5	346.4	345.2
28°	337.7	338.7	340.7	342.6	344.6	345.8	346.4	346.6	345.9	344.8	343.7
28.5°	336.0	337.1	339.1	340.9	343.1	344.3	345.0	345.1	344.4	343.4	342.1
29°	334.2	335.4	337.6	339.4	341.7	342.8	343.4	343.5	342.8	341.9	340.6
29.5°	332.7	333.8	335.9	337.7	340.0	341.3	341.9	342.0	341.2	340.4	339.0
30°	330.7	332.4	334.2	336.0	338.4	339.7	340.3	340.4	339.8	338.6	337.4
30.5°	329.1	330.4	332.6	334.5	336.8	338.0	338.7	338.8	338.1	337.0	335.7
31°	327.5	328.7	330.8	332.6	335.1	336.5	337.0	337.2	336.5	335.4	334.0
31.5°	325.8	327.2	329.1	331.0	333.4	334.8	335.3	335.6	334.8	333.7	332.4
32°	324.1	325.5	327.6	329.3	331.8	333.2	333.7	333.9	333.1	332.1	330.6
32.5°	322.1	323.5	325.7	327.7	330.0	331.4	332.0	332.2	331.6	330.4	328.9
33°	320.3	321.8	323.8	326.2	328.3	329.6	330.3	330.5	329.8	328.8	327.2
33.5°	318.4	319.9	322.2	324.1	326.7	327.8	328.6	328.8	328.0	327.0	325.4
34°	316.4	317.9	320.2	322.4	325.0	326.2	326.9	327.1	326.6	325.3	323.6
34.5°	314.6	316.0	318.3	320.4	323.0	324.5	325.2	325.4	324.8	323.6	321.9
35°	312.6	314.1	316.4	318.5	321.3	322.7	323.3	323.6	322.7	321.8	320.0
35.5°	310.7	312.2	314.5	316.6	319.5	320.8	321.5	321.7	321.1	319.9	318.2
36°	308.7	310.1	312.7	314.6	317.5	318.9	319.7	319.9	319.1	318.0	316.2
36.5°	306.6	308.2	310.6	312.7	315.6	317.1	317.8	317.9	317.3	316.2	314.4
37°	304.6	306.1	308.6	310.9	313.6	315.3	315.8	316.2	315.4	314.2	312.3
37.5°	302.5	304.2	306.5	308.9	311.7	313.1	313.9	314.2	313.5	312.2	310.5
38°	300.5	302.1	304.7	306.9	309.8	311.2	311.8	312.2	311.6	310.2	308.4
38.5°	298.3	300.0	302.6	304.9	307.8	309.3	309.9	310.3	309.8	308.3	306.5
39°	296.4	298.0	300.5	302.8	305.7	307.0	308.0	308.2	307.7	306.2	304.4
39.5°	294.4	295.9	298.5	300.8	303.9	305.3	306.1	306.2	305.8	304.5	302.5
40°	292.2	293.8	296.4	298.8	301.7	303.1	303.9	304.2	303.7	302.3	300.3
40.5°	290.0	291.7	294.3	296.7	299.8	301.0	301.8	302.1	301.6	300.3	298.3
41°	287.9	289.6	292.1	294.5	297.6	299.0	299.9	300.1	299.6	298.2	296.1
41.5°	285.7	287.3	290.2	292.4	295.6	297.0	297.7	298.0	297.4	296.1	294.0
42°	283.7	285.1	287.8	290.3	293.4	295.0	295.6	296.0	295.3	294.0	291.8
42.5°	281.5	283.2	285.7	288.2	291.3	292.8	293.6	293.9	293.2	291.9	289.7
43°	279.3	281.0	283.7	286.1	289.2	290.6	291.3	291.7	291.1	289.7	287.6
43.5°	277.1	279.0	281.6	284.1	287.1	288.4	289.4	289.7	289.1	287.7	285.5
44°	274.9	276.8	279.4	281.9	284.8	286.4	287.1	287.5	286.8	285.4	283.5
44.5°	272.5	274.4	277.2	279.8	282.9	284.2	284.8	285.3	284.6	283.5	281.4



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	270.4	272.3	274.9	277.5	280.7	282.2	282.9	283.4	282.8	281.3	279.2
45.5°	268.3	269.9	272.8	275.4	278.6	280.0	280.8	281.1	280.7	279.3	277.2
46°	266.0	267.7	270.6	273.1	276.4	277.7	278.6	279.0	278.3	277.1	274.8
46.5°	263.6	265.5	268.5	270.9	274.2	275.8	276.4	276.8	276.1	275.0	272.6
47°	261.3	263.2	266.1	268.6	272.0	273.4	274.2	274.5	274.1	272.7	270.3
47.5°	259.2	260.9	263.8	266.4	269.8	271.2	272.0	272.4	271.8	270.4	268.2
48°	256.8	258.7	261.4	264.1	267.7	268.9	269.8	270.2	269.5	268.3	266.1
48.5°	254.5	256.4	259.1	261.9	265.3	266.7	267.6	267.9	267.3	266.0	263.8
49°	252.2	254.1	256.9	259.6	263.1	264.5	265.2	265.7	265.0	263.7	261.5
49.5°	249.8	251.7	254.6	257.4	260.8	262.3	263.0	263.5	262.9	261.6	259.4
50°	247.5	249.5	252.3	255.0	258.5	259.9	260.8	261.3	261.0	259.5	256.8
50.5°	245.1	247.1	250.1	252.8	256.2	257.7	258.3	258.9	258.3	257.1	254.5
51°	242.9	244.8	247.7	250.4	254.0	255.4	256.1	256.5	256.1	254.8	252.3
51.5°	240.6	242.5	245.4	248.1	251.7	253.3	253.9	254.4	254.1	252.6	250.0
52°	238.3	240.3	243.1	245.9	249.5	250.8	251.6	252.1	251.5	250.3	247.8
52.5°	236.0	237.9	241.0	243.5	247.1	248.6	249.3	249.7	249.3	247.9	245.4
53°	233.7	235.6	238.6	241.5	244.8	246.3	247.0	247.3	246.9	245.6	243.1
53.5°	231.3	233.2	236.3	239.1	242.5	243.9	244.6	245.1	244.6	243.2	240.9
54°	228.8	230.8	233.8	236.8	240.4	241.5	242.3	242.6	242.4	241.1	238.3
54.5°	226.4	228.5	231.5	234.4	238.0	239.4	240.1	240.4	240.2	238.7	236.1
55°	224.1	226.1	229.1	232.1	235.7	237.1	237.8	238.2	237.7	236.5	233.9
55.5°	221.7	223.7	226.7	229.8	233.3	234.8	235.5	235.8	235.5	234.1	231.5
56°	219.2	221.3	224.4	227.2	230.9	232.2	232.9	233.3	233.1	231.7	229.1
56.5°	216.9	218.9	222.0	225.0	228.7	230.1	230.6	231.0	230.6	229.4	226.7
57°	214.5	216.5	219.6	222.6	226.3	227.5	228.2	228.7	228.4	227.1	224.4
57.5°	211.9	214.0	217.2	220.5	224.0	225.4	225.8	226.2	225.9	224.7	221.9
58°	209.8	211.8	215.0	217.7	221.6	222.9	223.5	223.9	223.5	222.4	219.6
58.5°	207.3	209.3	212.5	215.5	219.2	220.5	221.0	221.5	221.3	219.9	216.9
59°	204.8	207.0	210.1	213.1	216.9	218.1	218.6	219.2	218.9	217.6	214.6
59.5°	202.5	204.6	207.6	210.7	214.5	215.8	216.2	216.7	216.5	215.2	212.2
60°	200.1	202.2	205.3	208.3	212.2	213.4	213.9	214.4	214.1	212.8	210.0
60.5°	197.8	199.8	202.9	205.9	209.8	210.9	211.4	211.9	211.6	210.3	207.5
61°	195.5	197.6	200.5	203.6	207.4	208.5	209.0	209.5	209.3	208.0	205.1
61.5°	193.1	195.1	198.3	201.4	205.0	206.0	206.5	207.1	206.9	205.5	202.8
62°	190.7	192.7	195.9	199.1	202.7	203.8	204.2	204.7	204.5	203.2	200.4
62.5°	188.3	190.2	193.5	196.7	200.2	201.4	201.8	202.3	202.2	200.7	198.4
63°	185.9	187.8	191.0	194.2	198.0	199.0	199.4	199.8	199.8	198.5	195.7
63.5°	183.4	185.3	188.7	191.9	195.7	196.7	197.2	197.6	197.3	196.0	193.3
64°	180.9	183.0	186.2	189.5	193.3	194.4	194.8	195.3	195.1	193.6	190.9
64.5°	178.6	180.6	183.8	187.1	190.9	192.0	192.4	192.9	192.7	191.3	188.4
65°	176.1	178.2	181.4	184.7	188.6	189.6	189.9	190.5	190.4	189.0	186.0
65.5°	173.9	175.8	179.0	182.3	186.2	187.2	187.5	188.1	187.9	186.6	183.7
66°	171.4	173.3	176.5	179.8	183.8	184.8	185.1	185.6	185.5	184.0	181.2
66.5°	169.0	171.0	174.1	177.5	181.4	182.5	182.7	183.2	183.1	181.6	178.8
67°	166.7	168.5	171.8	175.2	179.0	180.1	180.3	180.9	180.7	179.3	176.5



TEST NUMBER: P601036
 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°	164.3	166.3	169.4	172.7	176.8	177.7	178.0	178.5	178.3	177.0	174.4
68°	161.9	163.9	167.2	170.3	174.3	175.2	175.6	176.1	176.1	174.6	171.6
68.5°	159.7	161.7	164.8	168.0	171.9	172.9	173.2	173.6	173.6	172.2	169.2
69°	157.3	159.3	162.5	165.7	169.6	170.6	170.9	171.3	171.2	169.8	166.9
69.5°	155.2	157.0	160.1	163.4	167.3	168.2	168.4	168.9	168.7	167.4	164.4
70°	152.9	154.9	157.8	161.1	164.9	165.8	166.2	166.6	166.5	165.0	162.1
70.5°	150.6	152.5	155.6	158.7	162.6	163.6	163.7	164.2	164.2	162.8	159.9
71°	148.4	150.2	153.3	156.6	160.3	161.1	161.4	161.8	161.7	160.4	157.6
71.5°	146.0	148.0	151.0	154.3	158.4	158.8	159.0	159.5	159.5	158.0	155.5
72°	143.8	145.7	148.8	152.0	155.9	156.6	156.8	157.1	157.1	155.8	152.8
72.5°	141.6	143.5	146.7	149.7	152.7	154.4	154.6	155.1	155.1	153.5	150.7
73°	139.3	141.2	144.3	147.5	151.0	152.1	152.2	152.7	152.7	151.3	148.6
73.5°	137.2	139.1	142.1	145.2	148.9	150.0	150.1	150.5	150.3	149.0	146.2
74°	135.0	136.8	139.9	143.1	146.8	147.7	147.8	148.3	148.1	146.7	143.9
74.5°	132.8	134.9	137.7	140.8	144.7	145.3	145.5	146.0	145.9	144.5	141.7
75°	130.7	132.5	135.5	138.6	142.4	143.3	143.3	143.7	143.5	142.1	139.5
75.5°	128.6	130.5	133.3	136.4	140.1	141.0	141.1	141.6	141.3	139.9	137.2
76°	126.6	128.3	131.1	134.4	138.0	138.8	138.9	139.3	139.1	137.9	134.8
76.5°	124.5	126.2	129.1	132.2	135.7	136.6	136.7	137.2	136.8	135.5	132.9
77°	122.4	124.2	126.9	130.0	133.8	134.5	134.5	134.9	134.9	133.3	130.6
77.5°	120.4	122.0	124.9	128.1	131.6	132.3	132.5	132.8	132.6	131.2	128.7
78°	118.3	120.0	122.9	125.8	129.3	130.2	130.3	130.5	130.4	129.0	126.4
78.5°	116.3	118.1	120.8	123.8	127.4	128.0	128.2	128.6	128.4	126.9	124.5
79°	114.4	116.0	118.9	121.8	125.2	125.9	126.1	126.3	126.2	124.7	122.3
79.5°	112.7	114.2	116.7	119.7	123.1	123.8	124.0	124.3	124.1	122.6	120.3
80°	110.6	112.3	114.8	117.7	121.0	121.8	121.9	122.3	122.0	120.6	118.3
80.5°	108.7	110.5	113.0	115.7	119.0	119.7	119.8	120.2	120.0	118.4	116.0
81°	106.9	108.5	111.2	113.9	117.0	117.8	117.9	118.2	118.0	116.4	114.0
81.5°	104.9	106.6	109.2	112.1	115.0	115.7	115.8	116.2	115.8	114.3	112.4
82°	103.1	104.7	107.3	110.0	113.1	113.7	113.9	114.1	113.9	112.6	110.3
82.5°	101.4	102.9	105.3	108.2	111.3	111.9	112.2	112.5	112.1	110.6	108.5
83°	99.5	101.1	103.5	106.2	109.3	110.1	110.1	110.4	110.1	108.7	106.4
83.5°	97.7	99.3	101.7	104.3	107.4	108.1	108.2	108.6	108.2	106.8	104.5
84°	95.9	97.6	99.8	102.5	105.5	106.2	106.2	106.5	106.2	104.7	102.6
84.5°	94.1	95.8	98.1	100.7	103.5	104.2	104.4	104.7	104.3	102.9	100.7
85°	92.4	94.0	96.3	98.9	101.7	102.4	102.5	102.8	102.3	100.9	98.7
85.5°	90.8	92.4	94.6	97.2	99.8	100.6	100.7	101.0	100.5	99.1	96.9
86°	89.2	90.6	92.8	95.3	98.1	98.7	98.8	99.2	98.7	97.3	95.1
86.5°	87.5	89.0	91.2	93.6	96.2	96.9	97.1	97.3	96.8	95.4	93.5
87°	85.9	87.4	89.4	92.0	94.4	95.2	95.2	95.5	95.1	93.6	91.6
87.5°	84.4	85.9	87.8	90.3	92.7	93.3	93.5	93.8	93.2	91.8	89.9
88°	82.8	84.2	86.2	88.6	91.1	91.6	91.7	91.9	91.5	90.0	88.1
88.5°	81.2	82.6	84.6	87.0	89.2	89.9	90.0	90.3	89.8	88.3	86.4
89°	79.6	81.1	83.1	85.3	87.6	88.2	88.4	88.5	88.1	86.7	84.8
89.5°	78.1	79.6	81.6	83.8	85.9	86.6	86.7	86.9	86.4	85.0	83.2



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	76.7	78.0	80.1	82.1	84.4	84.9	85.0	85.1	84.7	83.4	81.4
90.5°	75.2	76.7	78.6	80.6	82.6	83.3	83.4	83.6	83.1	81.7	80.0
91°	73.8	75.1	77.1	79.1	81.1	81.8	81.9	82.1	81.5	80.3	78.3
91.5°	72.4	73.7	75.6	77.6	79.5	80.1	80.3	80.5	79.9	78.2	76.5
92°	71.1	72.4	74.2	76.2	77.9	78.5	78.7	78.9	78.3	77.0	75.5
92.5°	69.8	71.1	72.8	74.8	76.4	76.9	77.0	77.3	76.8	75.4	74.0
93°	68.6	69.8	71.5	73.2	75.0	75.4	75.7	75.8	75.3	74.0	72.3
93.5°	67.2	68.5	70.2	71.9	73.5	74.1	74.1	74.3	73.9	72.7	70.9
94°	65.9	67.2	68.9	70.7	72.1	72.6	72.7	72.9	72.3	71.2	69.9
94.5°	64.6	66.0	67.6	69.4	70.7	71.2	71.3	71.5	71.0	70.1	68.3
95°	63.5	64.8	66.3	68.0	69.4	70.1	70.1	70.1	69.7	68.6	66.9
95.5°	62.2	63.5	65.3	66.7	68.0	68.6	68.7	68.7	68.5	67.1	65.6
96°	61.0	62.2	63.9	65.5	66.6	67.1	67.3	67.4	67.0	65.8	64.5
96.5°	60.0	61.1	62.6	64.2	65.5	66.0	65.9	66.0	65.6	64.7	63.2
97°	58.8	60.0	61.6	62.9	64.4	64.6	64.8	64.8	64.6	63.3	61.7
97.5°	57.6	58.9	60.3	61.7	63.1	63.3	63.5	63.3	63.1	61.8	60.6
98°	56.6	57.7	59.2	60.6	61.7	62.1	62.1	62.2	61.9	60.6	59.3
98.5°	55.5	56.7	58.1	59.4	60.6	60.8	60.9	61.0	60.5	59.5	58.0
99°	54.5	55.6	57.0	58.3	59.3	59.6	59.7	59.8	59.4	58.3	56.9
99.5°	53.5	54.6	55.8	57.2	58.0	58.5	58.8	58.6	58.2	57.5	55.8
100°	52.5	53.6	54.9	56.2	57.0	57.7	57.4	57.4	57.1	56.0	54.7
100.5°	51.5	52.6	53.9	55.1	55.8	56.2	56.2	56.6	56.0	55.0	53.8
101°	50.5	51.6	52.8	54.0	54.8	55.3	54.8	55.2	55.0	54.0	52.6
101.5°	49.7	50.7	51.8	53.0	53.8	54.0	54.1	54.1	53.9	53.1	51.6
102°	48.7	49.7	51.0	52.0	52.8	53.0	53.2	53.0	52.7	51.8	50.5
102.5°	47.7	48.8	49.9	51.1	51.6	52.0	51.9	52.3	51.7	50.9	49.7
103°	47.0	48.2	48.9	50.0	50.6	51.1	51.2	51.0	50.6	50.0	48.7
103.5°	46.1	47.2	48.2	49.3	49.9	50.1	50.1	50.4	49.8	48.8	47.7
104°	45.3	46.4	47.5	48.3	48.8	49.2	49.2	49.4	48.9	47.8	47.1
104.5°	44.6	45.6	46.6	47.4	47.8	48.8	48.7	48.5	48.5	46.9	46.1
105°	43.8	44.9	45.8	46.6	47.2	47.4	47.4	47.4	47.0	46.2	45.1
105.5°	43.1	44.2	45.0	45.8	46.2	46.5	46.5	46.3	46.1	45.3	44.2
106°	42.3	43.3	44.3	45.0	45.4	45.9	45.8	45.6	45.2	44.6	43.7
106.5°	41.6	42.7	43.7	44.4	44.6	44.9	45.0	44.7	44.5	43.7	43.0
107°	40.9	42.0	42.9	43.6	43.8	43.8	44.2	44.0	43.7	43.2	42.0
107.5°	40.4	41.3	42.1	42.9	43.2	43.5	43.5	43.3	43.1	42.2	41.2
108°	39.7	40.5	41.5	42.1	42.2	42.6	42.7	42.6	42.2	41.5	40.5
108.5°	39.1	39.9	40.8	41.4	41.6	41.9	41.9	42.0	41.5	41.0	39.9
109°	38.6	39.3	40.2	40.8	40.7	41.2	41.2	41.1	41.0	40.4	39.6
109.5°	38.0	38.8	39.5	40.2	40.1	40.6	40.7	40.6	40.3	39.5	38.5
110°	37.5	38.0	39.0	39.5	39.4	39.8	39.9	39.7	39.4	38.6	37.8
110.5°	36.9	37.5	38.3	38.9	38.8	39.1	39.4	39.2	38.7	38.0	37.2
111°	36.4	37.0	37.8	38.4	38.2	38.5	38.7	38.5	38.1	37.7	36.6
111.5°	35.8	36.4	37.3	37.8	37.7	38.1	38.0	38.0	37.7	36.9	36.0
112°	35.4	35.9	36.7	37.3	37.1	37.4	37.5	37.3	37.0	36.5	35.5



TEST NUMBER: P601036
 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°	35.0	35.4	36.3	36.7	36.7	36.8	36.9	36.7	36.6	35.8	35.0
113°	34.5	34.9	35.7	36.3	35.9	36.6	36.6	36.2	35.8	35.3	34.3
113.5°	34.1	34.5	35.2	35.7	35.3	35.7	35.8	35.6	35.4	34.7	34.1
114°	33.7	34.0	34.8	35.3	34.9	35.4	35.3	35.2	34.9	34.2	33.4
114.5°	33.4	33.6	34.3	34.8	34.4	34.8	34.7	34.6	34.4	33.9	32.9
115°	32.9	33.2	34.0	34.3	34.1	34.2	34.3	34.1	34.0	33.3	32.9
115.5°	32.4	32.8	33.6	34.0	33.5	34.0	33.9	33.8	33.4	32.8	32.3
116°	32.0	32.3	33.2	33.7	33.1	33.3	33.4	33.1	33.0	32.7	31.5
116.5°	31.7	32.0	32.7	33.2	32.8	32.9	33.1	32.8	32.8	32.0	31.4
117°	31.3	31.6	32.4	32.8	32.4	32.9	32.8	32.7	32.2	31.6	30.7
117.5°	31.0	31.3	32.0	32.4	31.8	32.4	32.4	31.9	31.7	31.3	30.3
118°	30.7	30.9	31.6	32.1	31.4	31.6	31.7	31.5	31.3	30.9	30.0
118.5°	30.4	30.5	31.2	31.7	31.2	31.4	31.4	31.3	31.2	30.4	29.8
119°	30.0	30.2	31.0	31.3	30.6	31.3	31.1	30.7	30.5	30.1	29.2
119.5°	29.8	29.9	30.6	31.1	30.3	30.6	30.7	30.4	30.2	29.9	29.0
120°	29.5	29.6	30.2	30.6	30.0	30.2	30.3	30.1	29.9	29.6	28.7
120.5°	29.2	29.4	30.0	30.4	29.8	30.1	30.1	29.9	29.8	29.2	28.5
121°	29.0	29.1	29.7	30.1	29.4	29.9	29.8	29.4	29.2	28.9	28.1
121.5°	28.9	28.9	29.6	29.7	29.0	29.3	29.3	29.1	28.9	28.7	27.7
122°	28.9	28.9	29.3	29.6	28.8	29.1	29.1	28.9	28.8	28.8	27.7
122.5°	28.7	28.7	29.1	29.4	28.7	28.8	28.7	28.6	28.6	28.0	27.5
123°	28.6	28.5	29.0	29.2	28.4	28.6	28.7	28.5	28.0	27.8	27.5
123.5°	28.4	28.3	28.9	28.9	28.0	28.5	28.3	28.1	27.8	27.8	27.0
124°	28.3	28.2	28.7	29.0	27.8	28.1	28.1	27.8	27.8	27.6	26.8
124.5°	28.2	28.0	28.6	28.9	27.7	27.8	27.8	27.7	27.6	27.5	26.6
125°	28.2	27.8	28.5	28.6	27.6	27.7	27.7	27.6	27.4	27.3	26.4
125.5°	28.0	27.7	28.2	28.6	27.6	27.7	27.6	27.5	27.4	26.9	26.3
126°	27.9	27.5	28.1	28.4	27.6	27.6	27.6	27.5	27.0	26.8	26.1
126.5°	27.8	27.5	28.1	28.4	27.5	27.6	27.6	27.1	26.9	26.7	26.1
127°	27.7	27.3	27.9	28.1	27.5	27.4	27.4	27.1	26.9	26.7	26.2
127.5°	27.5	27.3	27.8	28.1	27.5	27.5	27.3	27.0	26.9	26.7	26.0
128°	27.5	27.3	27.6	28.1	27.5	27.5	27.2	27.0	26.8	26.7	26.0
128.5°	27.5	27.3	27.6	27.9	27.5	27.4	27.2	27.0	26.8	26.6	26.0
129°	27.4	27.2	27.6	27.9	27.5	27.4	27.2	27.0	26.8	26.6	26.0
129.5°	27.4	27.2	27.6	27.8	27.5	27.4	27.2	27.0	26.8	26.6	26.0
130°	27.4	27.2	27.5	27.8	27.5	27.4	27.2	27.0	26.8	26.6	26.0
130.5°	27.4	27.2	27.5	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.0
131°	27.4	27.2	27.5	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.0
131.5°	27.4	27.2	27.5	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.0
132°	27.4	27.2	27.5	27.7	27.5	27.4	27.2	27.1	26.8	26.6	26.0
132.5°	27.4	27.2	27.5	27.7	27.5	27.5	27.2	27.1	26.8	26.6	26.0
133°	27.4	27.2	27.5	27.7	27.5	27.5	27.2	27.1	26.8	26.7	26.1
133.5°	27.4	27.2	27.5	27.7	27.5	27.5	27.2	27.1	26.8	26.7	26.2
134°	27.4	27.3	27.5	27.7	27.6	27.6	27.3	27.1	26.8	26.7	26.2
134.5°	27.4	27.3	27.5	27.7	27.6	27.6	27.4	27.1	26.9	26.9	26.2



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	27.4	27.4	27.5	27.7	27.6	27.6	27.5	27.2	26.9	26.9	26.3
135.5°	27.4	27.4	27.5	27.7	27.8	27.6	27.5	27.2	27.0	26.9	26.4
136°	27.4	27.5	27.5	27.7	27.9	27.7	27.6	27.4	27.0	26.9	26.5
136.5°	27.4	27.5	27.6	27.7	27.9	27.8	27.7	27.4	27.2	27.1	26.6
137°	27.6	27.7	27.6	27.8	28.1	28.0	28.0	27.5	27.1	27.1	26.7
137.5°	27.6	27.7	27.6	27.7	28.1	28.1	28.0	27.6	27.4	27.3	26.9
138°	27.6	27.8	27.7	27.7	28.2	28.1	28.2	27.7	27.4	27.4	26.9
138.5°	27.6	27.9	27.7	28.0	28.4	28.3	28.2	27.9	27.6	27.5	27.1
139°	27.8	28.0	27.8	28.1	28.6	28.5	28.3	27.9	27.8	27.7	27.2
139.5°	27.7	28.2	28.0	28.3	28.6	28.5	28.6	28.1	27.9	27.7	27.3
140°	27.9	28.6	28.1	28.6	28.8	28.7	28.6	28.3	27.9	27.9	27.5
140.5°	28.1	28.6	28.6	28.8	28.9	28.8	28.6	28.4	28.2	28.1	27.7
141°	28.7	28.6	28.7	28.8	28.9	28.8	28.8	28.6	28.4	28.1	27.8
141.5°	28.8	28.9	28.8	28.8	29.1	29.0	28.8	28.7	28.5	28.3	27.8
142°	28.8	29.0	28.8	28.9	29.1	29.0	28.9	28.9	28.7	28.5	28.1
142.5°	28.9	29.2	28.8	29.1	29.4	29.1	29.0	29.0	28.8	28.6	28.1
143°	29.2	29.8	28.8	29.1	29.6	29.3	29.1	29.1	28.9	28.8	28.2
143.5°	29.3	29.9	29.0	29.4	29.7	29.5	29.3	29.2	29.0	28.8	28.4
144°	29.8	30.0	29.1	29.6	29.9	29.6	29.5	29.4	29.2	28.9	28.5
144.5°	29.9	30.1	29.4	30.0	30.1	29.8	29.6	29.5	29.4	29.1	28.7
145°	29.9	30.4	29.7	30.0	30.3	30.0	29.8	29.7	29.5	29.3	28.8
145.5°	30.2	30.6	30.1	30.1	30.6	30.2	29.9	29.8	29.8	29.4	28.9
146°	30.4	30.9	30.0	30.2	30.7	30.4	30.1	30.1	29.9	29.5	29.0
146.5°	30.5	31.4	30.1	30.4	30.9	30.6	30.3	30.2	30.1	29.7	29.1
147°	30.7	31.4	30.3	30.6	31.0	30.9	30.6	30.4	30.2	29.9	29.2
147.5°	31.2	31.3	30.4	30.6	31.2	31.0	30.7	30.6	30.3	29.9	29.3
148°	31.3	31.4	30.5	30.7	31.3	31.2	30.8	30.6	30.4	29.9	29.4
148.5°	31.5	31.4	30.5	31.1	31.5	31.3	30.8	30.6	30.6	30.1	29.3
149°	31.5	31.6	30.6	31.1	31.6	31.5	30.8	30.6	30.6	30.1	29.3
149.5°	31.5	31.6	30.8	31.3	31.6	31.5	30.8	30.6	30.6	30.2	29.3
150°	31.7	31.6	31.1	31.3	31.6	31.5	30.8	30.6	30.6	30.2	29.3
150.5°	31.7	31.9	31.3	31.5	31.6	31.5	30.8	30.6	30.6	30.1	29.3
151°	31.8	32.1	31.4	31.5	31.6	31.5	30.8	30.6	30.6	30.1	29.3
151.5°	31.8	32.2	31.5	31.5	31.7	31.5	30.7	30.6	30.7	30.0	29.3
152°	31.8	32.2	31.6	31.5	31.7	31.6	30.7	30.7	30.7	30.0	29.3
152.5°	31.8	32.2	31.6	31.6	31.7	31.5	30.7	30.7	30.6	30.0	29.3
153°	31.8	32.2	31.5	31.6	31.6	31.5	30.7	30.6	30.4	30.0	29.4
153.5°	31.8	32.2	31.6	31.6	31.6	31.3	30.7	30.5	30.4	30.0	29.4
154°	31.8	32.2	31.6	31.6	31.3	31.2	30.6	30.5	30.4	30.0	29.2
154.5°	31.8	32.1	31.3	31.5	31.1	30.9	30.6	30.3	30.1	29.9	29.2
155°	31.8	32.0	31.3	31.4	30.9	30.7	30.4	30.1	30.1	29.9	29.1
155.5°	31.9	31.8	31.1	31.1	30.6	30.6	30.4	30.2	30.1	29.8	29.0
156°	31.9	31.7	31.0	31.1	30.4	30.4	30.2	30.1	30.0	29.4	28.9
156.5°	31.8	31.5	30.9	31.0	30.2	30.2	30.1	30.1	30.0	29.3	28.9
157°	31.5	31.4	30.7	30.8	30.1	30.1	30.1	30.1	30.0	29.2	28.7



TEST NUMBER: P601036
 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°	31.4	31.4	30.6	30.8	30.1	30.1	30.1	30.0	30.0	29.1	28.7
158°	31.4	31.2	30.5	30.6	30.1	30.2	30.1	30.0	29.7	29.0	28.7
158.5°	31.4	30.9	30.5	30.4	30.0	30.1	29.9	29.8	29.4	28.9	28.6
159°	31.1	30.9	30.3	30.3	29.8	29.9	29.5	29.6	29.3	28.8	28.4
159.5°	31.0	30.6	30.1	30.1	29.4	29.6	29.3	29.3	29.2	28.9	28.0
160°	31.0	30.6	30.1	29.9	29.4	29.4	29.1	29.3	29.1	28.7	27.9
160.5°	30.9	30.4	29.9	29.8	29.1	29.2	29.1	29.2	29.0	28.3	27.8
161°	30.7	30.4	29.8	29.6	28.9	29.0	29.0	29.1	28.8	28.0	27.8
161.5°	30.4	30.2	29.6	29.5	28.8	28.8	28.7	28.9	28.8	28.0	27.6
162°	30.2	30.1	29.4	29.2	28.9	28.6	28.7	28.8	28.8	27.9	27.5
162.5°	30.0	29.8	29.3	29.1	28.6	28.7	28.7	28.9	28.5	27.7	27.5
163°	29.8	29.6	29.1	29.1	28.1	28.4	28.6	28.9	28.1	27.8	27.5
163.5°	29.4	29.4	29.1	28.9	27.9	28.1	28.5	28.7	27.9	27.6	27.5
164°	29.2	29.1	29.0	28.9	27.8	27.8	28.2	28.4	27.7	27.5	27.3
164.5°	29.0	28.9	28.9	28.8	27.7	27.7	28.0	28.1	27.6	27.4	27.0
165°	28.9	28.9	28.8	28.8	27.6	27.7	27.8	27.8	27.6	27.0	26.8
165.5°	28.8	28.7	28.7	28.6	27.6	27.6	27.7	27.8	27.6	26.9	26.8
166°	28.6	28.5	28.6	28.5	27.5	27.6	27.7	27.8	27.4	26.8	26.7
166.5°	28.3	28.4	28.5	28.3	27.6	27.6	27.6	27.6	26.9	26.5	26.6
167°	28.2	28.3	28.1	28.1	27.5	27.4	27.5	27.6	26.8	26.4	26.5
167.5°	27.9	28.1	28.0	27.9	27.0	27.0	27.2	27.6	26.5	26.3	26.2
168°	27.7	27.9	27.8	27.6	26.9	26.8	26.8	27.5	26.3	26.1	26.1
168.5°	27.5	27.7	27.6	27.4	26.7	26.6	26.6	27.1	25.9	26.1	26.0
169°	27.4	27.4	27.4	27.1	26.6	26.6	26.4	26.6	26.0	26.1	26.0
169.5°	27.2	27.3	27.2	27.0	26.3	26.3	26.1	26.1	25.4	25.8	25.6
170°	26.9	27.0	27.0	26.8	26.2	26.1	26.1	26.0	25.2	25.3	25.3
170.5°	26.8	26.8	26.7	26.6	26.1	26.1	26.0	25.3	24.9	25.1	25.1
171°	26.5	26.7	26.6	26.4	26.2	26.1	25.4	25.0	24.8	24.9	25.0
171.5°	26.2	26.4	26.3	26.1	25.9	25.8	25.3	24.6	24.6	24.8	24.7
172°	25.9	26.1	26.0	25.9	25.4	25.4	25.0	24.1	24.4	24.6	24.6
172.5°	25.6	25.8	25.6	25.5	25.0	25.1	24.5	23.7	23.8	24.3	24.4
173°	25.2	25.2	25.2	25.0	24.6	24.7	24.0	23.5	23.4	23.7	23.9
173.5°	24.7	24.9	24.7	24.7	24.3	24.5	23.7	23.5	23.3	23.7	23.9
174°	24.7	24.9	24.7	24.7	24.2	24.5	23.7	23.6	23.4	23.7	24.0
174.5°	26.3	26.8	26.7	26.3	24.9	24.6	24.0	23.8	23.6	24.0	24.4
175°	27.6	28.1	28.0	27.8	26.7	26.1	25.6	25.7	25.4	25.8	26.1
175.5°	28.2	28.8	28.8	28.6	28.5	28.1	27.7	27.7	27.6	27.6	28.2
176°	28.7	29.2	29.2	28.8	29.1	28.9	28.7	28.8	28.7	28.7	29.0
176.5°	29.0	29.8	29.7	29.2	29.6	29.5	29.2	29.3	29.2	29.1	29.7
177°	29.9	29.9	30.0	30.1	30.1	30.0	29.8	29.9	29.9	29.8	30.2
177.5°	30.1	30.2	30.5	30.1	30.6	30.6	30.5	30.6	30.5	30.4	30.7
178°	30.4	30.4	30.6	30.5	30.6	30.7	30.7	30.6	30.9	30.9	31.1
178.5°	30.5	30.6	30.6	30.5	30.6	30.7	30.6	30.6	30.9	31.0	31.1
179°	30.7	30.7	30.6	30.7	30.6	30.6	30.7	30.6	30.9	31.0	31.0
179.5°	30.9	30.9	30.7	31.2	30.6	30.6	30.7	30.6	30.9	31.0	31.1



TEST NUMBER: P601036
CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	386.0	386.0	386.0	386.0	386.0	386.0
0.5°	386.1	386.0	386.0	386.0	386.0	386.0
1°	385.9	386.0	386.0	386.0	386.1	385.9
1.5°	385.9	386.0	386.1	386.0	386.1	385.9
2°	385.7	386.1	386.1	386.0	386.0	385.7
2.5°	385.7	386.1	385.9	385.9	385.7	385.5
3°	385.5	385.9	385.7	385.6	385.5	385.1
3.5°	385.5	385.7	385.3	385.4	385.3	385.0
4°	385.3	385.5	385.1	385.0	384.9	384.6
4.5°	385.0	385.2	384.9	384.6	384.5	384.4
5°	384.5	384.9	384.5	384.3	384.3	384.0
5.5°	384.4	384.5	384.2	384.0	383.9	383.2
6°	384.0	384.1	383.9	383.6	383.5	383.0
6.5°	383.7	383.7	383.2	383.1	382.9	382.8
7°	383.3	383.3	383.0	382.6	382.5	382.1
7.5°	382.8	382.8	382.5	382.2	382.0	381.4
8°	382.4	382.3	381.9	381.6	381.4	381.1
8.5°	381.9	381.9	381.4	381.1	380.9	380.5
9°	381.4	381.3	380.9	380.4	380.4	380.2
9.5°	380.9	380.7	380.1	379.8	379.7	379.6
10°	380.4	380.1	379.5	379.1	379.1	378.8
10.5°	379.8	379.5	379.0	378.5	378.4	378.1
11°	379.2	378.8	378.2	377.9	377.6	377.5
11.5°	378.6	378.1	377.5	377.1	377.0	376.6
12°	377.9	377.4	376.7	376.3	376.1	375.9
12.5°	377.3	376.6	375.9	375.4	375.3	375.1
13°	376.5	375.9	375.2	374.7	374.5	374.6
13.5°	375.8	375.1	374.3	373.9	373.6	373.5
14°	375.0	374.3	373.5	372.9	372.9	372.6
14.5°	374.2	373.5	372.6	372.0	372.0	371.9
15°	373.4	372.5	371.7	371.1	371.0	371.3
15.5°	372.4	371.6	370.9	370.4	370.3	370.1
16°	371.6	370.8	369.7	369.4	369.3	369.2
16.5°	370.6	369.9	369.1	368.3	368.3	368.3
17°	369.8	369.0	368.1	367.3	367.2	367.0
17.5°	369.1	367.8	367.0	366.2	366.2	365.9
18°	368.0	366.8	365.8	365.2	365.2	364.9
18.5°	367.0	365.7	364.8	364.1	364.0	363.8
19°	365.9	364.5	363.5	363.0	362.9	362.6
19.5°	364.9	363.4	362.5	361.8	361.6	361.5
20°	363.8	362.3	361.3	360.7	360.4	360.5
20.5°	362.7	361.0	360.0	359.4	359.1	359.3
21°	361.3	359.7	358.8	358.2	358.0	358.0
21.5°	360.2	358.6	357.5	356.8	356.6	356.7
22°	358.9	357.2	356.2	355.5	355.4	355.3



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	357.6	356.0	354.8	354.2	354.0	354.0
23°	356.4	354.7	353.5	352.9	352.6	352.6
23.5°	355.0	353.3	352.2	351.5	351.2	351.3
24°	353.6	352.0	350.8	350.0	349.7	349.9
24.5°	352.2	350.5	349.3	348.6	348.4	348.5
25°	351.0	349.1	347.8	347.1	346.8	347.0
25.5°	349.6	347.6	346.4	345.6	345.3	345.4
26°	348.1	346.1	344.9	344.1	343.8	343.8
26.5°	346.8	344.6	343.5	342.5	342.4	342.4
27°	345.2	343.1	341.7	341.0	340.7	340.7
27.5°	343.5	341.5	340.1	339.3	339.0	339.3
28°	342.1	339.8	338.6	337.7	337.6	337.7
28.5°	340.4	338.3	336.9	336.0	335.8	336.0
29°	338.8	336.7	335.3	334.4	333.8	334.2
29.5°	337.3	334.9	333.2	332.8	332.2	332.7
30°	335.6	333.2	331.9	331.1	330.6	330.7
30.5°	333.9	331.5	329.8	329.5	328.9	329.1
31°	332.2	329.8	328.5	327.6	327.3	327.5
31.5°	330.5	328.1	326.6	325.8	325.7	325.8
32°	328.7	326.4	325.0	324.1	323.9	324.1
32.5°	327.2	324.6	323.2	322.1	322.1	322.1
33°	325.4	322.7	321.2	320.5	319.9	320.3
33.5°	323.5	320.8	319.3	318.5	318.1	318.4
34°	321.6	319.0	317.4	316.5	316.2	316.4
34.5°	319.9	317.0	315.4	314.6	314.2	314.6
35°	317.8	315.2	313.5	312.6	312.5	312.6
35.5°	316.1	313.2	311.7	310.6	310.4	310.7
36°	314.1	311.2	309.8	308.6	308.4	308.7
36.5°	312.1	309.1	307.6	306.6	306.4	306.6
37°	310.2	307.3	305.6	304.6	304.5	304.6
37.5°	308.1	305.1	303.6	302.6	302.4	302.5
38°	306.3	303.1	301.5	300.6	300.3	300.5
38.5°	304.0	301.1	299.5	298.4	298.2	298.3
39°	302.2	299.0	297.3	296.4	296.1	296.4
39.5°	300.0	296.8	295.4	294.3	294.0	294.4
40°	298.0	294.7	293.1	292.1	291.9	292.2
40.5°	295.7	292.5	291.0	290.1	289.8	290.0
41°	293.8	290.4	289.0	287.9	287.6	287.9
41.5°	291.6	288.3	286.7	285.7	285.4	285.7
42°	289.4	286.2	284.7	283.6	283.4	283.7
42.5°	287.3	284.2	282.6	281.5	281.0	281.5
43°	285.1	282.0	280.3	279.4	279.3	279.3
43.5°	283.2	279.7	278.1	277.1	276.8	277.1
44°	280.9	277.5	275.8	274.7	274.6	274.9
44.5°	278.8	275.2	273.6	272.6	272.4	272.5



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	276.6	273.0	271.4	270.4	270.0	270.4
45.5°	274.3	270.8	269.0	268.1	267.8	268.3
46°	272.2	268.6	266.9	265.7	265.5	266.0
46.5°	270.0	266.2	264.6	263.7	263.3	263.6
47°	267.7	263.9	262.2	261.3	260.9	261.3
47.5°	265.4	261.6	260.0	259.0	258.7	259.2
48°	263.2	259.3	257.7	256.7	256.3	256.8
48.5°	260.8	257.1	255.3	254.4	254.1	254.5
49°	258.7	254.7	253.0	252.1	251.7	252.2
49.5°	256.3	252.4	250.7	249.6	249.4	249.8
50°	254.0	250.1	248.4	247.4	247.1	247.5
50.5°	251.7	247.7	246.1	245.0	244.8	245.1
51°	249.3	245.4	243.7	242.8	242.4	242.9
51.5°	247.1	243.1	241.6	240.5	240.2	240.6
52°	244.7	241.0	239.2	238.2	237.8	238.3
52.5°	242.2	238.5	236.8	235.8	235.5	236.0
53°	240.1	236.2	234.5	233.5	233.1	233.7
53.5°	237.8	233.8	232.0	231.1	230.8	231.3
54°	235.5	231.5	229.8	228.7	228.4	228.8
54.5°	233.1	229.1	227.4	226.4	226.0	226.4
55°	230.7	226.8	224.9	224.1	223.6	224.1
55.5°	228.3	224.3	222.5	221.6	221.2	221.7
56°	226.0	222.0	220.4	219.2	218.8	219.2
56.5°	223.6	219.5	217.8	216.7	216.3	216.9
57°	221.1	217.1	215.4	214.3	214.1	214.5
57.5°	218.6	214.7	212.8	211.8	211.6	211.9
58°	216.2	212.3	210.5	209.6	209.0	209.8
58.5°	213.9	210.0	208.2	207.1	206.7	207.3
59°	211.4	207.4	205.7	204.7	204.4	204.8
59.5°	209.1	205.0	203.4	202.2	201.9	202.5
60°	206.6	202.7	200.9	200.0	199.7	200.1
60.5°	204.1	200.2	198.7	197.7	197.2	197.8
61°	201.8	198.1	196.4	195.2	194.8	195.5
61.5°	199.3	195.6	193.9	192.8	192.4	193.1
62°	197.2	193.2	191.4	190.3	190.0	190.7
62.5°	194.8	190.9	189.0	187.9	187.5	188.3
63°	192.3	188.4	186.5	185.5	185.3	185.9
63.5°	190.0	186.0	184.2	183.1	182.8	183.4
64°	187.6	183.6	181.7	180.7	180.3	180.9
64.5°	185.1	181.2	179.3	178.2	177.9	178.6
65°	182.7	178.8	176.8	175.9	175.6	176.1
65.5°	180.2	176.4	174.5	173.5	173.1	173.9
66°	177.9	173.9	172.1	171.1	170.7	171.4
66.5°	175.4	171.5	169.7	168.7	168.5	169.0
67°	173.1	169.2	167.4	166.3	166.1	166.7



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	170.9	166.9	165.0	164.0	163.6	164.3
68°	168.4	164.4	162.6	161.6	161.3	161.9
68.5°	166.0	162.1	160.2	159.3	159.0	159.7
69°	163.7	159.7	158.0	157.0	156.8	157.3
69.5°	161.4	157.5	155.7	154.7	154.5	155.2
70°	159.0	155.3	153.4	152.4	152.2	152.9
70.5°	156.7	153.0	151.2	150.1	149.9	150.6
71°	154.6	150.7	148.8	147.8	147.7	148.4
71.5°	152.3	148.5	146.6	145.5	145.4	146.0
72°	150.0	146.3	144.3	143.3	143.2	143.8
72.5°	147.7	144.0	142.2	141.1	141.0	141.6
73°	145.4	141.8	139.9	138.9	138.7	139.3
73.5°	143.2	139.6	137.8	136.7	136.6	137.2
74°	141.0	137.5	135.5	134.5	134.4	135.0
74.5°	138.8	135.3	133.5	132.4	132.3	132.8
75°	136.5	133.0	131.3	130.2	130.1	130.7
75.5°	134.4	131.1	129.3	128.2	128.0	128.6
76°	132.2	128.9	127.1	126.0	125.8	126.6
76.5°	130.1	126.8	124.9	123.8	123.7	124.5
77°	127.9	124.7	123.0	121.8	121.6	122.4
77.5°	125.9	122.6	120.8	119.8	119.7	120.4
78°	123.8	120.6	118.8	117.8	117.7	118.3
78.5°	121.7	118.5	116.7	115.7	115.6	116.3
79°	119.6	116.5	114.8	114.0	114.0	114.4
79.5°	117.6	114.6	113.0	112.1	112.0	112.7
80°	115.5	112.8	111.1	110.1	110.0	110.6
80.5°	113.8	110.9	109.2	108.2	108.2	108.7
81°	111.9	109.0	107.3	106.2	106.1	106.9
81.5°	110.0	107.0	105.4	104.3	104.4	104.9
82°	107.9	105.2	103.5	102.5	102.5	103.1
82.5°	105.9	103.3	101.7	100.7	100.6	101.4
83°	104.2	101.5	99.9	98.9	98.9	99.5
83.5°	102.3	99.6	98.0	97.0	97.0	97.7
84°	100.4	97.8	96.3	95.3	95.3	95.9
84.5°	98.6	96.1	94.5	93.6	93.6	94.1
85°	96.8	94.4	92.8	92.0	91.9	92.4
85.5°	95.0	92.7	91.1	90.0	90.1	90.8
86°	93.3	91.0	89.4	88.4	88.4	89.2
86.5°	91.6	89.3	87.7	86.8	86.8	87.5
87°	89.8	87.6	86.1	85.2	85.2	85.9
87.5°	88.0	86.0	84.5	83.6	83.6	84.4
88°	86.5	84.5	82.9	82.0	82.0	82.8
88.5°	84.7	83.0	81.3	80.5	80.5	81.2
89°	83.1	81.3	79.7	79.0	79.0	79.6
89.5°	81.5	79.7	78.2	77.5	77.5	78.1



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	79.9	78.2	76.8	76.0	76.0	76.7
90.5°	78.3	76.7	75.3	74.5	74.5	75.2
91°	76.9	75.3	73.9	73.1	73.1	73.8
91.5°	75.4	73.8	72.5	71.7	71.8	72.4
92°	73.8	72.4	71.2	70.5	70.6	71.1
92.5°	72.3	71.2	69.9	69.0	69.3	69.8
93°	70.9	69.8	68.5	67.7	67.9	68.6
93.5°	69.8	68.5	67.1	66.4	66.5	67.2
94°	68.3	67.2	65.9	65.1	65.4	65.9
94.5°	66.7	65.9	64.7	64.1	63.9	64.6
95°	65.6	64.7	63.4	62.7	62.7	63.5
95.5°	64.5	63.4	62.2	61.5	61.4	62.2
96°	63.1	62.2	61.0	60.2	60.3	61.0
96.5°	61.8	60.9	59.9	59.1	59.1	60.0
97°	60.6	59.8	58.8	58.0	58.0	58.8
97.5°	59.3	58.7	57.7	56.9	56.9	57.6
98°	58.2	57.5	56.6	55.8	55.8	56.6
98.5°	57.1	56.4	55.5	54.6	54.7	55.5
99°	55.8	55.3	54.4	53.7	53.7	54.5
99.5°	54.8	54.3	53.4	52.6	52.6	53.5
100°	53.7	53.2	52.4	51.6	51.7	52.5
100.5°	52.6	52.3	51.3	50.7	50.8	51.5
101°	51.8	51.3	50.4	49.7	49.8	50.5
101.5°	50.3	50.3	49.5	48.9	48.9	49.7
102°	49.9	49.5	48.6	48.0	47.9	48.7
102.5°	48.8	48.4	47.7	46.9	47.2	47.7
103°	47.8	47.5	46.8	46.3	46.3	47.0
103.5°	46.8	46.6	46.1	45.5	45.2	46.1
104°	46.0	45.8	45.1	44.8	44.8	45.3
104.5°	44.8	45.0	44.0	44.0	44.0	44.6
105°	44.2	44.2	43.7	43.3	43.3	43.8
105.5°	43.5	43.4	43.0	42.6	42.6	43.1
106°	42.9	42.7	42.2	41.9	41.9	42.3
106.5°	41.9	41.8	41.6	41.3	41.2	41.6
107°	41.4	41.2	40.9	40.6	40.5	40.9
107.5°	40.6	40.5	40.2	40.0	39.9	40.4
108°	39.9	39.9	39.6	39.3	39.3	39.7
108.5°	39.2	39.2	38.9	38.8	38.7	39.1
109°	38.4	38.6	38.3	38.2	38.2	38.6
109.5°	37.8	37.9	37.7	37.7	37.6	38.0
110°	37.1	37.4	37.2	37.1	37.0	37.5
110.5°	36.6	36.8	36.7	36.6	36.5	36.9
111°	35.9	36.2	36.1	36.1	36.0	36.4
111.5°	35.4	35.7	35.6	35.6	35.5	35.8
112°	34.8	35.1	35.2	35.2	35.1	35.4



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	34.2	34.7	34.7	34.7	34.6	35.0
113°	33.9	34.2	34.2	34.2	34.2	34.5
113.5°	33.2	33.7	33.8	33.9	33.7	34.1
114°	32.9	33.3	33.4	33.5	33.3	33.7
114.5°	32.6	32.9	33.0	33.1	32.9	33.4
115°	32.0	32.5	32.5	32.7	32.5	32.9
115.5°	31.4	32.2	32.2	32.3	32.2	32.4
116°	31.2	31.7	31.8	32.0	31.7	32.0
116.5°	30.6	31.4	31.5	31.6	31.3	31.7
117°	30.2	31.0	31.2	31.2	30.9	31.3
117.5°	30.0	30.7	30.8	30.9	30.6	31.0
118°	29.6	30.3	30.5	30.6	30.2	30.7
118.5°	29.2	30.0	30.1	30.2	29.9	30.4
119°	28.9	29.7	29.8	29.9	29.6	30.0
119.5°	28.7	29.5	29.6	29.6	29.3	29.8
120°	28.6	29.1	29.3	29.4	28.9	29.5
120.5°	28.0	29.0	29.1	29.0	28.9	29.2
121°	27.7	28.8	29.0	29.0	28.7	29.0
121.5°	27.7	28.6	28.7	28.7	28.5	28.9
122°	27.6	28.4	28.6	28.5	28.3	28.9
122.5°	27.6	28.2	28.4	28.3	28.0	28.7
123°	27.1	28.1	28.2	28.1	27.8	28.6
123.5°	26.9	27.9	28.1	28.0	27.7	28.4
124°	26.6	27.7	27.9	27.7	27.6	28.3
124.5°	26.6	27.6	27.8	27.5	27.5	28.2
125°	26.4	27.5	27.6	27.4	27.3	28.2
125.5°	26.5	27.4	27.6	27.2	27.1	28.0
126°	26.4	27.3	27.5	27.1	27.1	27.9
126.5°	26.4	27.1	27.4	27.0	27.1	27.8
127°	26.4	27.1	27.2	27.0	26.9	27.7
127.5°	26.4	27.0	27.2	26.9	27.0	27.5
128°	26.4	27.0	27.1	26.7	26.8	27.5
128.5°	26.4	26.8	27.1	26.8	26.7	27.5
129°	26.4	26.8	27.1	26.7	26.7	27.4
129.5°	26.4	26.9	27.1	26.7	26.7	27.4
130°	26.4	26.8	27.1	26.7	26.7	27.4
130.5°	26.4	26.8	27.1	26.6	26.7	27.4
131°	26.4	26.8	27.0	26.6	26.7	27.4
131.5°	26.4	26.8	27.0	26.6	26.7	27.4
132°	26.4	26.8	27.0	26.6	26.7	27.4
132.5°	26.5	26.8	27.0	26.6	26.7	27.4
133°	26.6	26.8	27.0	26.6	26.7	27.4
133.5°	26.6	26.8	27.0	26.6	26.7	27.4
134°	26.7	26.8	27.0	26.6	26.7	27.4
134.5°	26.8	26.8	27.0	26.6	26.7	27.4



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	26.9	26.8	27.0	26.6	26.7	27.4
135.5°	27.0	26.8	27.0	26.6	26.7	27.4
136°	27.0	26.8	27.0	26.7	26.7	27.4
136.5°	27.1	26.8	27.0	26.7	26.7	27.4
137°	27.2	27.0	27.1	26.8	26.7	27.6
137.5°	27.3	27.2	27.1	27.0	26.8	27.6
138°	27.5	27.6	27.1	27.0	26.9	27.6
138.5°	27.6	27.6	27.5	27.4	27.3	27.6
139°	27.7	27.6	27.5	27.6	27.5	27.8
139.5°	27.9	27.6	27.6	27.6	27.6	27.7
140°	27.9	27.8	27.6	27.6	27.6	27.9
140.5°	27.9	27.7	27.8	27.7	27.7	28.1
141°	27.9	28.0	27.7	27.7	27.8	28.7
141.5°	28.1	28.2	28.0	27.8	27.9	28.8
142°	28.1	28.7	28.2	28.0	28.2	28.8
142.5°	28.2	28.8	28.6	28.2	28.6	28.9
143°	28.4	28.8	28.6	28.6	28.8	29.2
143.5°	28.5	29.0	28.6	28.8	28.8	29.3
144°	28.7	29.1	28.9	28.7	29.0	29.8
144.5°	28.9	29.3	29.1	28.8	29.1	29.9
145°	28.9	29.9	29.2	29.1	29.4	29.9
145.5°	29.1	30.1	29.3	29.2	29.6	30.2
146°	29.3	30.1	29.6	29.4	30.1	30.4
146.5°	29.5	30.2	30.0	29.8	30.1	30.5
147°	29.7	30.3	30.1	30.0	30.1	30.7
147.5°	30.0	30.4	30.1	30.1	30.2	31.2
148°	30.1	30.6	30.1	30.1	30.4	31.3
148.5°	30.1	30.6	30.2	30.1	30.6	31.5
149°	30.2	30.8	30.3	30.3	30.6	31.5
149.5°	30.1	31.1	30.6	30.5	31.0	31.5
150°	30.1	31.5	30.6	30.6	31.2	31.7
150.5°	30.1	31.5	30.7	30.7	31.5	31.7
151°	30.1	31.6	31.1	30.9	31.5	31.8
151.5°	30.1	31.5	31.1	31.0	31.5	31.8
152°	30.2	31.6	31.1	31.0	31.5	31.8
152.5°	30.2	31.6	31.1	30.9	31.6	31.8
153°	30.1	31.6	31.1	30.9	31.5	31.8
153.5°	30.0	31.5	31.1	30.9	31.5	31.8
154°	30.0	31.4	31.2	30.9	31.5	31.8
154.5°	29.6	31.2	31.2	30.9	31.5	31.8
155°	29.4	31.1	31.1	30.9	31.5	31.8
155.5°	29.3	30.9	31.0	30.9	31.5	31.9
156°	29.1	30.7	30.9	30.9	31.4	31.9
156.5°	29.1	30.6	30.8	30.9	31.2	31.8
157°	28.9	30.5	30.7	30.8	31.1	31.5



TEST NUMBER: P601036
 CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	28.8	30.3	30.7	30.8	31.1	31.4
158°	28.7	30.2	30.6	30.6	31.0	31.4
158.5°	28.7	30.1	30.5	30.6	30.8	31.4
159°	28.5	30.0	30.4	30.4	30.7	31.1
159.5°	28.3	29.9	30.2	30.4	30.7	31.0
160°	28.1	29.7	30.1	30.2	30.5	31.0
160.5°	27.9	29.7	30.1	30.1	30.5	30.9
161°	27.7	29.5	29.9	30.0	30.4	30.7
161.5°	27.7	29.3	29.7	29.9	30.2	30.4
162°	27.6	29.2	29.6	29.7	30.1	30.2
162.5°	27.6	28.9	29.5	29.6	30.0	30.0
163°	27.6	28.8	29.2	29.6	29.9	29.8
163.5°	27.5	28.6	29.1	29.4	29.8	29.4
164°	27.3	28.6	28.9	29.2	29.6	29.2
164.5°	27.1	28.3	29.0	29.1	29.5	29.0
165°	27.0	28.2	28.8	29.1	29.5	28.9
165.5°	26.8	28.1	28.7	28.9	29.2	28.8
166°	26.7	28.0	28.5	29.0	29.0	28.6
166.5°	26.6	27.8	28.3	28.9	28.9	28.3
167°	26.5	27.6	28.1	28.7	28.6	28.2
167.5°	26.3	27.4	27.8	28.5	28.3	27.9
168°	26.1	27.1	27.5	28.3	28.1	27.7
168.5°	26.1	27.0	27.3	27.9	27.6	27.5
169°	26.1	26.8	27.1	27.4	27.3	27.4
169.5°	25.7	26.6	26.8	27.0	27.0	27.2
170°	25.4	26.4	26.6	26.5	26.8	26.9
170.5°	25.2	26.1	26.3	26.1	26.6	26.8
171°	24.9	25.9	26.0	25.6	26.3	26.5
171.5°	24.8	25.6	25.6	25.1	25.9	26.2
172°	24.7	25.2	25.1	24.6	25.5	25.9
172.5°	24.5	24.7	24.4	24.0	24.9	25.6
173°	24.0	24.2	23.8	23.7	24.3	25.2
173.5°	23.9	23.8	23.5	23.2	23.8	24.7
174°	24.0	23.8	23.5	23.2	23.7	24.7
174.5°	24.1	25.8	25.4	25.2	25.5	26.3
175°	26.1	27.3	26.9	26.8	27.0	27.6
175.5°	28.2	27.7	27.6	27.7	27.7	28.2
176°	29.2	28.5	28.2	28.2	28.4	28.7
176.5°	29.9	29.0	28.9	28.9	28.9	29.0
177°	30.3	29.6	29.6	29.5	29.7	29.9
177.5°	30.7	30.0	30.0	30.1	30.1	30.1
178°	30.7	30.1	30.1	30.2	30.3	30.4
178.5°	30.7	30.3	30.3	30.4	30.6	30.5
179°	30.7	30.5	30.4	30.5	30.7	30.7
179.5°	30.7	30.7	30.6	30.6	30.8	30.9



TEST NUMBER: P601036
CATALOG NUMBER: FM159S1EWHR_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	31.2	31.2	31.2	31.2	31.2	31.2

(END OF REPORT)