

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: P601040

Luminaire Tested: FM119S1EWHR_3000K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2117574B001)
Test Lab: INNOVATION CENTER
Issue Date: 3/14/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: FM119S1EWHR_3000K
Description: FM119S1EWHR at 3000K
Light Source: -
Ballast/Driver: -

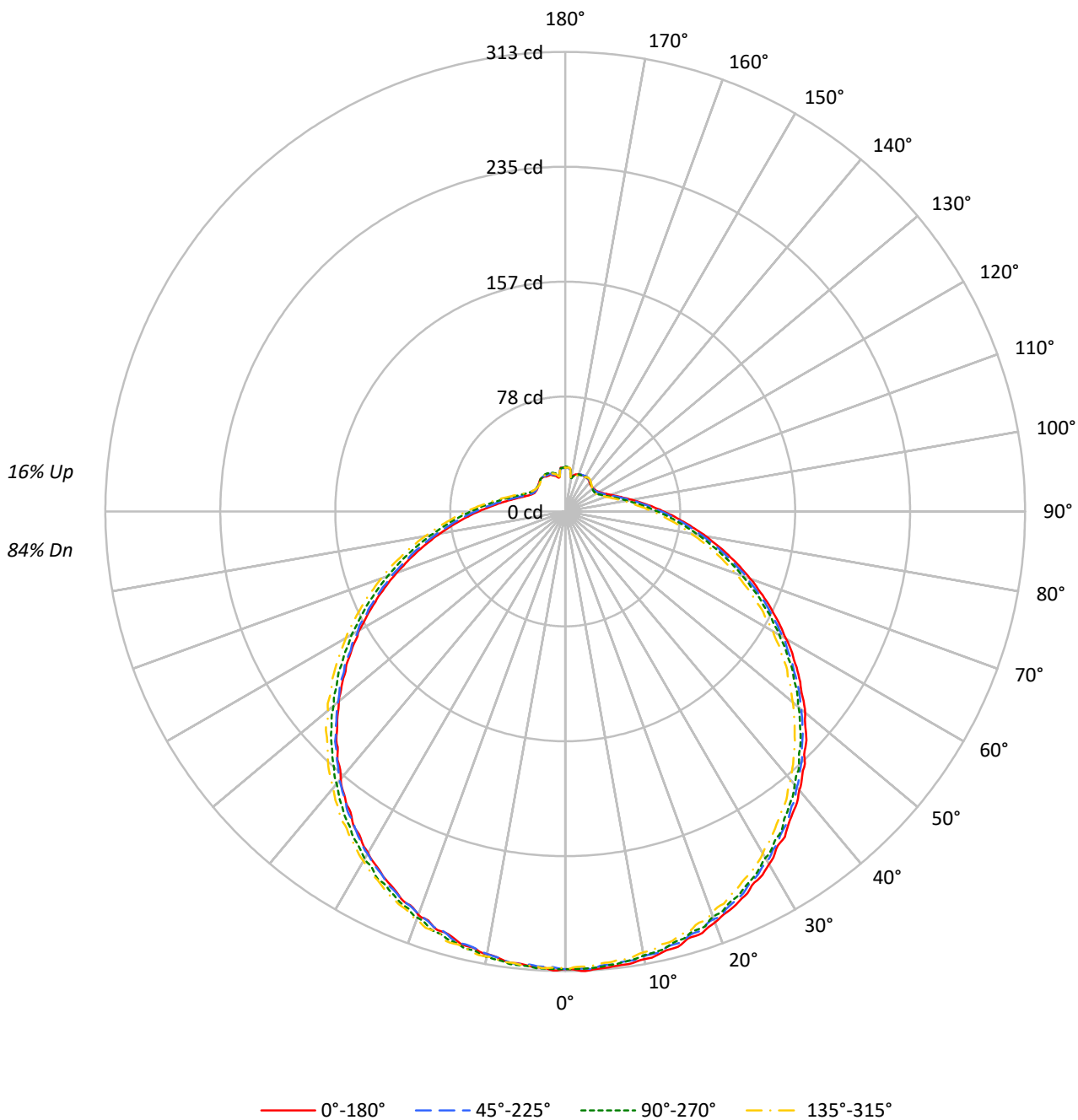
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1301.8 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.43
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 0.33')
CIE Type: Semi-Direct

Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: FM119S1EWHR_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°	3662	3662	3662	3662
5°	3560	3546	3537	3544
10°	3458	3429	3418	3440
15°	3363	3328	3299	3333
20°	3264	3218	3203	3225
25°	3171	3128	3081	3119
30°	3073	3018	2974	3026
35°	2970	2919	2859	2912
40°	2867	2811	2747	2800
45°	2757	2707	2635	2689
50°	2663	2590	2513	2570
55°	2552	2489	2394	2470
60°	2439	2364	2272	2359
65°	2334	2245	2145	2242
70°	2227	2134	2027	2134
75°	2129	2027	1916	2037
80°	2051	1935	1823	1958
85°	2002	1889	1772	1926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 337.5°
 Vertical Angle: 45°
 Luminance: 2767 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	2.3
10°-20°	85.3	6.6
20°-30°	131.1	10.1
30°-40°	161.7	12.4
40°-50°	173.8	13.4
50°-60°	167.7	12.9
60°-70°	146.4	11.2
70°-80°	115.9	8.9
80°-90°	83.9	6.4
90°-100°	57.5	4.4
100°-110°	39.2	3.0
110°-120°	27.9	2.1
120°-130°	22.3	1.7
130°-140°	19.6	1.5
140°-150°	17.2	1.3
150°-160°	12.7	1.0
160°-170°	7.3	0.6
170°-180°	2.6	0.2
0°-30°	246.0	18.9
0°-40°	407.7	31.3
0°-60°	749.2	57.5
0°-90°	1095.4	84.1
90°-120°	124.6	9.6
90°-150°	183.8	14.1
90°-180°	206.0	15.8
0°-180°	1301.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	312	312	312	312	312	
5°	312	311	310	311	312	30
15°	305	302	300	303	305	86
25°	289	285	281	284	289	133
35°	264	259	254	258	264	165
45°	230	226	220	225	230	178
55°	194	189	182	188	194	173
65°	154	148	142	148	154	152
75°	115	110	104	110	115	122
85°	81	76	72	78	81	69
90°	67	63	59	64	67	37
95°	55	52	49	53	55	43
105°	39	36	34	38	39	41
115°	29	27	27	29	29	29
125°	25	24	24	26	25	23
135°	25	25	26	25	25	19
145°	27	28	28	28	27	17
155°	27	27	27	29	27	13
165°	26	25	25	27	26	7
175°	30	30	30	30	30	3
180°	30	30	30	30	30	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7
0.5°	311.7	311.7	311.7	311.6	311.7	311.5	311.5	311.7	312.1	312.1	311.5
1°	311.9	311.6	311.6	311.6	311.7	311.0	310.6	311.7	312.7	312.0	311.1
1.5°	312.5	311.7	311.6	311.6	311.7	310.7	310.2	311.7	312.7	311.9	310.5
2°	313.1	311.9	311.5	311.6	311.7	310.7	310.2	311.7	312.1	311.6	310.4
2.5°	313.3	311.9	311.5	311.6	311.6	310.7	310.2	311.6	311.2	311.5	310.4
3°	313.0	312.0	311.9	311.3	311.4	310.7	310.2	311.0	311.1	311.1	310.4
3.5°	312.5	312.0	312.6	311.2	311.4	310.5	309.9	310.5	311.1	310.4	310.4
4°	312.3	311.7	311.1	311.2	311.3	310.0	309.4	310.4	311.0	310.3	309.9
4.5°	312.2	311.7	310.3	311.0	311.1	309.7	308.9	310.5	310.6	310.3	309.6
5°	312.1	311.7	310.2	310.8	310.9	309.3	308.6	310.4	310.1	310.4	309.7
5.5°	312.0	311.7	310.2	310.3	310.3	309.1	308.6	309.8	309.7	310.1	309.8
6°	311.5	311.7	310.2	309.9	310.3	309.1	308.4	309.6	309.4	309.4	309.8
6.5°	311.4	311.1	310.2	309.9	310.2	309.1	307.7	309.6	309.6	308.7	309.9
7°	311.3	310.5	309.4	310.0	309.6	309.0	307.6	309.0	309.7	308.1	309.5
7.5°	311.3	310.4	309.1	309.8	309.5	308.4	307.7	308.3	309.1	307.9	308.7
8°	311.2	310.3	309.1	309.4	309.0	308.0	307.6	307.9	308.3	307.9	307.7
8.5°	310.9	310.4	309.1	309.1	308.7	308.0	307.1	307.6	307.4	307.8	307.2
9°	310.3	310.4	309.1	308.9	308.4	308.0	306.2	307.0	306.8	306.7	307.0
9.5°	309.8	309.5	308.5	308.4	307.8	307.9	305.5	306.4	306.3	305.9	306.5
10°	309.7	308.9	307.7	307.4	307.1	307.2	305.0	306.3	306.1	306.0	306.1
10.5°	309.6	308.9	307.3	306.6	306.6	306.1	304.7	306.4	306.1	306.5	305.5
11°	309.6	308.9	307.2	306.4	306.5	305.3	304.6	306.2	305.4	306.1	305.0
11.5°	308.9	308.9	307.2	306.0	306.4	304.3	304.3	305.0	304.3	305.3	304.0
12°	308.1	307.4	307.1	305.8	306.0	303.9	303.1	303.6	303.5	303.9	303.3
12.5°	307.3	306.3	306.4	305.2	305.7	303.4	302.0	302.7	303.5	302.9	302.8
13°	306.6	305.9	304.9	304.2	304.9	303.1	302.0	302.6	303.4	302.1	302.6
13.5°	306.6	305.8	304.3	303.8	303.9	303.0	301.9	302.6	303.1	302.1	302.6
14°	306.6	305.9	304.0	303.5	302.9	302.5	301.5	302.6	301.9	302.0	302.5
14.5°	306.3	305.6	304.0	302.8	302.3	301.4	300.4	301.5	300.7	301.4	301.8
15°	305.3	304.8	303.9	302.2	302.1	300.5	299.0	299.9	299.5	300.2	300.8
15.5°	303.9	304.0	303.0	301.8	301.9	300.0	298.4	298.8	298.7	298.9	299.3
16°	302.7	303.0	301.5	301.4	300.8	299.8	298.4	298.7	298.2	297.8	297.9
16.5°	302.4	302.1	300.6	301.0	299.5	299.2	298.2	298.8	298.2	297.4	297.2
17°	302.4	301.3	300.2	300.2	298.7	298.3	296.9	298.1	298.0	296.7	297.2
17.5°	302.4	300.8	300.2	298.7	298.7	297.4	295.3	296.5	297.0	295.8	296.9
18°	301.9	300.7	300.2	297.5	298.6	296.1	294.6	294.6	295.2	294.9	295.6
18.5°	300.5	300.4	299.0	297.1	298.4	295.1	294.5	293.8	293.8	293.9	294.3
19°	299.4	299.3	296.9	297.0	296.8	294.5	294.1	293.7	293.3	293.2	293.4
19.5°	298.7	297.7	295.8	296.4	295.0	293.9	292.9	293.3	293.2	292.4	292.5
20°	298.0	296.5	295.5	294.8	293.8	293.5	291.2	292.5	292.4	291.4	291.8
20.5°	297.1	295.9	295.5	293.1	293.3	292.5	289.9	291.0	290.7	290.3	290.7
21°	295.8	295.5	295.3	292.6	293.2	291.6	288.9	289.5	289.1	289.3	289.5
21.5°	294.8	295.0	294.1	292.3	292.5	290.5	288.3	288.6	288.2	288.4	288.5
22°	294.3	294.2	292.1	291.9	291.1	289.2	288.2	288.1	288.0	287.9	288.0



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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°	293.5	292.8	291.1	290.7	289.6	288.3	286.8	287.0	287.4	286.8	287.2
23°	292.7	291.2	290.3	289.0	288.5	287.5	285.1	285.8	286.2	285.2	286.3
23.5°	291.9	290.2	289.5	287.6	287.9	286.3	284.1	284.4	284.7	284.0	285.0
24°	290.7	289.5	288.6	286.5	287.3	284.7	283.6	283.2	283.2	282.9	283.8
24.5°	289.7	288.7	287.8	285.7	286.4	283.5	282.4	282.4	282.0	281.8	282.7
25°	289.0	287.9	286.9	284.9	285.0	282.7	281.0	281.6	280.8	280.7	282.2
25.5°	288.1	287.1	285.4	283.8	283.7	282.1	279.6	280.7	279.9	279.7	280.9
26°	286.5	285.4	283.6	282.6	282.5	280.8	278.5	279.7	278.9	279.0	279.4
26.5°	284.7	283.7	282.4	281.4	281.6	279.8	277.6	278.3	277.6	277.6	277.9
27°	283.7	282.8	281.6	280.5	280.7	278.5	276.7	277.1	276.1	276.1	276.6
27.5°	283.2	282.1	280.9	279.7	279.5	277.1	275.7	275.7	274.7	274.7	275.4
28°	282.5	281.1	279.9	278.2	278.2	275.6	274.5	274.2	273.5	273.7	274.3
28.5°	281.6	279.6	278.2	276.6	276.8	274.5	273.3	272.6	272.5	272.5	273.1
29°	280.1	278.2	276.8	275.1	275.3	273.5	271.9	271.2	271.4	271.0	271.9
29.5°	278.7	277.3	275.9	274.3	273.7	272.4	270.6	270.2	270.0	269.4	270.3
30°	277.4	276.8	275.1	273.8	272.4	271.3	268.9	269.2	268.4	268.3	269.0
30.5°	276.3	276.0	273.9	272.7	271.8	269.5	267.2	267.8	267.2	267.4	268.1
31°	275.0	274.2	272.3	271.2	270.8	267.9	265.8	265.9	266.2	265.9	266.6
31.5°	273.1	272.3	270.6	269.5	269.3	266.8	264.8	264.5	264.5	264.1	264.8
32°	271.1	271.0	269.5	267.8	267.5	265.6	263.5	263.4	262.6	262.4	263.6
32.5°	269.6	270.0	268.7	266.3	265.8	264.2	261.9	261.8	261.0	260.7	262.3
33°	268.8	268.5	267.0	264.8	264.7	262.4	260.3	260.1	259.9	259.7	260.6
33.5°	268.2	266.8	265.0	263.5	264.0	260.6	258.9	258.6	259.0	258.8	258.9
34°	267.3	265.1	263.6	262.3	262.8	259.1	257.2	257.7	257.7	257.2	257.2
34.5°	265.4	263.8	262.4	261.3	261.1	258.2	255.7	256.8	255.9	255.1	255.8
35°	263.5	262.6	261.3	259.7	258.9	257.2	254.4	255.4	253.6	253.0	254.5
35.5°	261.7	261.3	260.1	257.8	256.8	255.6	252.8	253.1	251.7	251.6	253.5
36°	260.1	260.2	258.6	255.9	255.5	254.0	251.1	251.0	250.3	251.2	252.2
36.5°	258.7	258.6	256.6	254.7	254.2	252.0	250.1	249.5	249.4	250.5	250.2
37°	257.3	256.7	254.8	253.7	252.5	250.1	248.7	248.5	247.9	248.8	248.0
37.5°	256.0	255.3	253.2	251.8	251.1	248.7	247.3	247.0	246.0	246.6	246.3
38°	254.9	253.5	252.3	249.7	249.7	248.3	245.4	244.8	244.4	244.4	245.1
38.5°	253.5	251.8	251.1	248.0	248.6	246.9	243.3	243.0	243.0	242.6	243.7
39°	251.7	250.2	249.0	246.9	246.9	244.6	241.5	241.6	241.5	241.3	242.0
39.5°	249.7	249.0	246.9	246.0	245.1	242.3	240.1	240.2	239.8	239.7	240.5
40°	247.9	247.9	245.2	244.6	243.1	240.5	238.6	238.4	237.6	237.5	238.9
40.5°	246.6	246.0	244.0	242.4	241.4	239.0	236.8	236.3	235.4	235.4	237.2
41°	245.1	243.8	242.4	240.1	239.5	237.3	235.0	234.4	233.4	233.7	235.2
41.5°	243.2	241.9	240.4	238.3	238.1	235.7	233.3	233.0	231.9	232.2	233.1
42°	241.3	240.2	238.5	237.2	237.3	234.3	231.8	231.5	230.6	231.0	231.5
42.5°	239.5	238.9	237.0	236.0	235.6	232.7	229.9	229.7	229.4	229.4	229.9
43°	238.4	237.4	235.5	234.5	233.4	230.6	228.0	227.9	227.2	227.6	227.9
43.5°	237.0	235.8	234.0	232.0	231.2	228.6	226.2	225.9	224.9	225.5	225.9
44°	234.6	233.7	232.2	229.3	229.2	226.8	224.6	224.0	223.0	223.1	224.3
44.5°	232.1	231.8	230.1	227.6	227.7	225.3	222.8	222.4	221.8	220.9	223.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	230.5	229.8	227.8	226.4	226.3	223.5	221.1	220.4	220.3	219.3	221.5
45.5°	229.2	227.8	226.1	224.7	224.5	221.8	218.9	218.4	218.3	218.3	219.1
46°	227.9	226.4	224.5	222.5	222.7	220.0	217.0	216.6	216.0	216.8	216.9
46.5°	226.4	224.8	222.8	220.4	220.9	218.2	215.4	214.7	214.0	214.4	215.3
47°	224.3	222.9	221.1	218.9	218.8	216.1	213.6	212.9	212.2	211.8	213.5
47.5°	222.2	220.5	219.1	217.7	216.8	214.0	211.6	211.2	210.5	210.0	211.3
48°	220.1	218.5	217.2	216.0	215.0	212.3	209.8	209.2	208.6	209.0	209.5
48.5°	218.0	216.7	215.6	213.8	213.2	210.6	208.0	207.3	206.4	207.5	207.7
49°	216.2	215.5	213.7	211.5	211.3	208.7	206.1	205.4	204.4	205.4	205.8
49.5°	214.7	214.1	211.7	209.5	209.5	206.9	204.2	203.1	202.6	203.0	203.8
50°	213.2	212.3	209.7	207.7	207.4	205.3	202.3	201.2	201.2	200.6	201.8
50.5°	211.4	209.9	207.8	206.1	205.3	203.3	200.2	199.8	199.2	198.8	199.8
51°	209.2	207.2	205.8	204.6	203.8	201.3	198.2	198.3	197.0	197.3	197.9
51.5°	207.3	205.3	204.2	202.8	202.1	199.1	196.5	196.4	195.0	195.5	196.4
52°	205.0	203.9	202.5	200.1	200.4	197.2	194.8	194.2	193.2	193.5	194.7
52.5°	202.7	202.6	200.7	197.8	198.4	195.2	192.8	192.1	191.3	191.4	193.0
53°	201.0	200.7	198.7	195.9	196.2	193.2	190.6	190.2	189.2	189.0	190.8
53.5°	199.3	198.1	196.8	194.2	193.8	191.9	188.5	188.4	186.8	187.0	188.4
54°	197.7	196.1	194.6	192.7	192.1	190.1	187.0	186.5	184.8	185.5	186.3
54.5°	195.8	194.1	192.4	190.9	190.5	187.8	185.6	184.6	183.3	183.8	184.7
55°	193.8	192.5	190.3	189.0	189.0	185.6	183.7	182.8	181.8	181.8	183.2
55.5°	191.8	190.4	188.4	186.8	187.0	183.7	181.2	180.6	179.7	179.6	181.1
56°	190.0	188.2	186.8	184.6	184.7	181.8	178.8	178.2	177.4	177.4	178.8
56.5°	187.7	186.3	185.0	182.8	182.5	179.8	176.7	175.9	175.2	175.5	176.6
57°	185.5	184.5	183.0	181.0	180.4	177.7	175.2	174.2	173.4	173.5	174.3
57.5°	183.9	182.6	180.7	179.0	178.5	175.5	173.5	172.4	171.5	171.5	172.7
58°	182.3	180.5	178.7	176.9	176.8	173.5	171.2	170.4	169.4	169.4	171.3
58.5°	180.4	178.2	176.9	174.9	174.7	171.7	168.9	168.2	167.0	167.5	169.4
59°	178.1	176.2	175.3	172.5	172.4	169.6	166.7	166.1	165.0	165.5	166.9
59.5°	176.0	174.3	173.6	170.4	170.2	167.6	164.9	164.3	163.6	163.9	164.6
60°	173.7	172.5	171.3	168.7	168.4	165.6	163.4	162.3	161.8	162.0	162.9
60.5°	171.5	170.5	169.0	167.0	166.5	163.8	161.4	160.0	159.4	160.0	161.6
61°	169.6	168.4	166.8	164.9	164.3	161.7	159.0	157.9	157.3	157.7	160.0
61.5°	167.8	166.3	164.9	163.1	162.0	159.5	156.7	156.0	155.4	155.4	157.8
62°	165.9	164.7	163.0	161.1	160.0	157.5	154.6	154.4	153.5	153.5	155.2
62.5°	163.9	163.0	161.0	159.2	158.5	155.5	152.8	152.4	151.6	152.0	152.9
63°	161.7	161.0	158.9	156.8	156.9	153.6	151.3	150.2	149.5	150.4	151.1
63.5°	159.6	158.7	156.8	154.6	154.6	151.7	149.5	148.1	147.3	148.3	149.8
64°	157.6	156.3	154.9	152.9	152.2	149.6	147.2	146.1	145.2	145.8	147.8
64.5°	155.8	154.3	153.1	151.2	150.0	147.5	144.8	144.1	143.2	143.6	145.5
65°	154.0	152.5	151.2	149.3	148.1	145.4	142.8	141.9	141.5	141.7	143.4
65.5°	152.0	150.7	149.3	147.0	146.5	143.5	140.8	139.9	139.8	140.1	141.4
66°	150.0	148.7	147.1	144.9	144.7	141.6	139.0	138.0	137.5	138.2	139.6
66.5°	147.9	146.6	144.9	143.0	142.6	139.6	137.1	136.0	135.4	136.1	137.6
67°	145.9	144.7	143.0	141.1	140.4	137.4	135.1	134.2	133.6	134.1	135.9



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	143.7	142.8	141.0	138.9	138.2	135.5	133.0	132.1	131.7	132.2	134.1
68°	141.7	140.9	139.0	136.8	136.1	134.0	131.0	130.2	129.9	130.4	131.8
68.5°	140.0	139.1	136.9	135.1	134.4	132.1	129.1	128.2	127.9	128.5	129.9
69°	138.2	137.0	135.0	133.4	132.3	130.0	127.5	126.4	125.8	126.7	128.2
69.5°	136.3	134.9	133.0	131.4	130.4	127.8	125.8	124.4	124.0	124.6	126.6
70°	134.1	132.6	131.5	129.2	128.5	125.7	123.6	122.3	122.1	122.7	124.6
70.5°	132.1	130.8	129.9	127.2	126.6	123.9	121.4	120.6	120.1	120.8	122.6
71°	130.2	129.0	128.0	125.4	124.7	122.1	119.3	118.8	118.0	119.0	120.6
71.5°	128.3	127.2	125.7	123.7	122.8	120.0	117.3	116.8	116.0	117.3	118.7
72°	126.4	125.2	123.4	121.9	120.8	117.8	115.6	114.9	114.4	115.5	116.8
72.5°	124.7	123.3	121.7	120.0	119.0	115.9	113.8	113.1	112.6	113.5	115.0
73°	122.5	121.2	120.0	117.9	117.1	114.4	112.0	111.2	110.7	111.3	113.0
73.5°	120.8	119.2	118.3	116.0	115.1	112.8	110.3	109.2	108.8	109.5	111.1
74°	118.7	117.5	116.3	114.1	113.1	110.8	108.4	107.2	107.0	107.9	109.6
74.5°	116.8	115.6	114.3	112.1	111.2	108.8	106.5	105.5	105.2	106.2	108.2
75°	115.0	113.9	112.3	110.3	109.5	106.8	104.7	103.8	103.5	104.4	106.4
75.5°	113.2	112.1	110.6	108.7	107.7	105.1	102.9	102.1	101.7	102.4	104.5
76°	111.4	110.3	108.8	107.0	106.0	103.1	101.0	100.4	99.9	100.7	102.4
76.5°	109.6	108.7	107.2	105.3	104.0	101.3	99.3	98.5	98.1	99.1	100.5
77°	107.7	106.8	105.5	103.4	102.2	99.8	97.5	96.8	96.3	97.6	99.1
77.5°	105.8	104.8	103.4	101.4	100.3	98.2	95.6	95.1	94.6	96.0	97.5
78°	103.9	103.0	101.4	99.5	98.7	96.3	93.9	93.3	93.0	94.0	95.7
78.5°	102.2	101.4	99.7	97.9	96.9	94.4	92.3	91.6	91.5	92.1	94.0
79°	100.5	99.8	98.1	96.4	95.2	92.6	90.6	89.7	89.9	90.3	92.3
79.5°	98.9	98.1	96.5	94.9	93.5	91.1	88.9	88.1	88.1	88.9	90.7
80°	97.2	96.1	94.7	93.2	91.7	89.5	87.2	86.6	86.4	87.6	89.0
80.5°	95.7	94.4	92.9	91.5	90.2	88.0	85.8	85.2	84.9	86.0	87.5
81°	93.8	92.7	91.4	89.7	88.6	86.4	84.3	83.6	83.2	84.2	85.8
81.5°	92.1	91.1	89.7	88.1	86.9	84.7	82.5	81.9	81.7	82.6	84.3
82°	90.3	89.4	88.1	86.5	85.2	83.0	80.8	80.2	80.3	81.0	82.7
82.5°	88.6	87.8	86.5	84.9	83.8	81.4	79.4	78.6	78.8	79.5	81.0
83°	87.0	86.1	85.0	83.4	82.3	79.9	78.0	77.3	77.4	78.1	79.5
83.5°	85.6	84.7	83.5	81.8	80.7	78.5	76.8	76.1	75.9	76.9	78.3
84°	84.0	83.3	82.1	80.4	79.1	77.0	75.4	74.7	74.2	75.5	77.0
84.5°	82.4	81.6	80.6	78.9	77.5	75.7	73.8	73.2	73.0	74.0	75.7
85°	80.9	80.0	79.0	77.5	76.3	74.2	72.2	71.7	71.6	72.3	74.1
85.5°	79.3	78.5	77.6	76.0	74.9	72.9	70.9	70.2	70.3	71.1	72.6
86°	77.9	77.2	76.4	74.6	73.5	71.4	69.6	68.8	68.9	69.9	71.1
86.5°	76.5	75.8	75.0	73.4	72.0	70.0	68.3	67.5	67.4	68.8	69.9
87°	75.0	74.4	73.5	72.0	70.4	68.5	67.0	66.2	66.1	67.3	68.8
87.5°	73.8	73.0	72.0	70.7	69.2	67.2	65.7	65.1	65.0	65.9	67.5
88°	72.5	71.7	70.7	69.4	67.8	66.0	64.5	63.8	63.9	64.5	66.1
88.5°	71.0	70.2	69.4	68.0	66.6	64.8	63.2	62.5	62.6	63.4	64.8
89°	69.5	68.9	68.1	66.7	65.4	63.5	62.0	61.3	61.4	62.3	63.5
89.5°	68.2	67.6	66.8	65.5	64.0	62.1	60.6	60.1	60.1	61.1	62.2



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	67.0	66.5	65.5	64.2	62.8	60.9	59.5	59.0	58.9	59.8	61.2
90.5°	65.8	65.2	64.2	63.0	61.6	59.7	58.4	57.9	57.8	58.6	60.1
91°	64.6	63.9	63.1	61.9	60.3	58.7	57.2	56.8	56.8	57.6	59.0
91.5°	63.1	62.7	61.9	60.8	59.0	57.6	56.0	55.7	55.6	56.5	57.8
92°	62.0	61.5	60.9	59.6	57.9	56.5	54.9	54.4	54.5	55.5	56.7
92.5°	60.8	60.4	59.7	58.4	56.9	55.3	54.0	53.3	53.4	54.5	55.6
93°	59.8	59.2	58.3	57.2	55.9	54.2	52.9	52.3	52.3	53.4	54.5
93.5°	58.8	58.1	57.3	56.1	54.7	53.1	51.8	51.3	51.4	52.3	53.6
94°	57.6	57.0	56.3	55.1	53.6	52.1	51.0	50.4	50.5	51.3	52.5
94.5°	56.4	56.0	55.3	54.2	52.5	51.3	49.8	49.5	49.6	50.4	51.5
95°	55.3	55.0	54.1	53.2	51.5	50.1	48.9	48.6	48.6	49.4	50.5
95.5°	54.3	53.8	53.0	52.0	50.5	49.1	48.1	47.8	47.7	48.5	49.4
96°	53.3	52.7	52.0	50.9	49.6	48.3	47.4	46.8	46.9	47.7	48.6
96.5°	52.3	51.9	51.2	50.0	48.6	47.6	46.6	45.9	46.1	46.8	47.9
97°	51.2	50.9	50.3	49.2	47.8	46.7	45.4	45.0	45.1	46.0	47.2
97.5°	50.3	50.0	49.4	48.3	46.8	45.6	44.5	44.1	44.3	45.2	46.3
98°	49.5	49.2	48.5	47.4	45.9	44.7	43.8	43.4	43.7	44.3	45.1
98.5°	48.6	48.3	47.6	46.5	45.1	44.0	43.0	42.6	42.9	43.5	44.3
99°	47.7	47.3	46.7	45.8	44.3	43.1	42.2	41.8	42.1	42.7	43.8
99.5°	46.9	46.4	45.9	44.9	43.5	42.4	41.4	41.2	41.2	42.0	43.0
100°	46.0	45.6	45.1	44.1	42.6	41.6	40.6	40.4	40.5	41.3	42.2
100.5°	45.2	44.9	44.3	43.2	41.7	40.8	39.9	39.6	39.9	40.6	41.5
101°	44.3	43.9	43.4	42.4	41.2	40.0	39.3	39.0	39.4	39.9	40.6
101.5°	43.6	43.0	42.7	41.7	40.5	39.2	38.5	38.3	38.6	39.3	39.9
102°	42.9	42.3	41.9	41.1	39.7	38.5	37.8	37.7	37.8	38.6	39.4
102.5°	42.1	41.7	41.1	40.4	38.9	37.8	37.1	37.0	37.1	37.9	38.6
103°	41.1	41.1	40.3	39.7	38.1	37.2	36.6	36.4	36.9	37.2	38.0
103.5°	40.5	40.4	39.7	39.0	37.6	36.7	36.0	35.8	36.0	36.7	37.4
104°	39.9	39.3	39.1	38.3	36.9	36.0	35.5	35.3	35.5	36.0	36.8
104.5°	39.4	38.6	38.4	37.5	36.4	35.2	34.8	34.8	34.9	35.7	36.2
105°	38.7	38.1	37.6	37.1	35.8	34.8	34.1	34.1	34.4	35.0	35.7
105.5°	38.0	37.6	37.1	36.5	35.1	34.3	33.5	33.5	33.9	34.4	35.0
106°	37.4	37.0	36.5	35.8	34.5	33.7	33.2	33.2	33.3	34.0	34.5
106.5°	36.8	36.4	35.9	35.3	34.0	33.2	32.8	32.5	33.0	33.4	34.0
107°	36.2	35.9	35.4	34.7	33.4	32.6	32.1	32.2	32.3	33.2	33.5
107.5°	35.6	35.3	34.9	34.2	33.0	32.2	31.7	31.7	32.0	32.3	33.2
108°	35.0	34.7	34.3	33.8	32.3	31.6	31.2	31.3	31.4	32.1	32.5
108.5°	34.6	34.1	33.8	33.4	31.9	31.1	30.7	30.7	31.0	31.5	32.1
109°	34.1	33.7	33.3	32.9	31.4	30.6	30.1	30.2	30.5	31.0	31.5
109.5°	33.6	33.2	32.8	32.2	31.0	30.4	29.6	29.8	30.1	30.6	31.3
110°	33.1	32.7	32.3	31.7	30.4	29.8	29.4	29.5	29.7	30.3	30.7
110.5°	32.6	32.2	31.9	31.2	30.0	29.6	29.1	29.2	29.7	29.9	30.3
111°	32.2	31.9	31.4	30.9	29.7	29.0	28.6	28.7	29.0	29.7	29.9
111.5°	31.7	31.3	31.0	30.5	29.5	28.5	28.1	28.3	28.6	29.4	29.6
112°	31.2	30.9	30.6	30.1	28.8	28.2	27.8	27.8	28.3	28.7	29.5



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	30.9	30.6	30.2	29.8	28.5	27.8	27.6	27.7	27.9	28.5	28.9
113°	30.6	30.1	29.9	29.4	28.0	27.6	27.2	27.3	27.7	28.0	28.5
113.5°	30.2	29.8	29.5	28.9	27.7	27.1	26.8	27.0	27.3	27.8	28.4
114°	29.8	29.5	29.1	28.6	27.4	26.9	26.6	26.8	26.9	27.6	27.9
114.5°	29.5	29.1	28.8	28.3	27.0	26.7	26.2	26.3	26.9	27.3	27.9
115°	29.1	28.8	28.5	28.0	26.8	26.2	26.0	26.1	26.7	27.3	27.3
115.5°	28.8	28.5	28.1	27.7	26.6	25.9	25.8	26.0	26.2	26.7	27.0
116°	28.6	28.1	27.9	27.4	26.2	25.9	25.5	26.0	25.9	26.6	26.8
116.5°	28.2	27.8	27.6	27.1	25.9	25.7	25.1	25.4	25.9	26.1	26.7
117°	27.9	27.5	27.3	26.8	25.8	25.2	25.0	25.2	25.6	26.0	26.3
117.5°	27.6	27.4	27.0	26.7	25.4	25.0	25.0	25.0	25.5	25.8	26.1
118°	27.4	27.1	26.7	26.4	25.2	25.0	24.8	24.9	25.3	25.7	25.9
118.5°	27.2	26.9	26.5	26.2	25.0	24.8	24.4	24.7	25.1	25.3	25.8
119°	27.0	26.7	26.4	26.1	24.9	24.7	24.3	24.5	25.0	25.3	25.7
119.5°	26.8	26.5	26.2	25.9	24.6	24.2	24.0	24.3	24.8	25.2	25.3
120°	26.6	26.3	25.9	25.8	24.4	24.0	24.0	24.2	24.6	25.1	25.2
120.5°	26.4	26.1	25.7	25.5	24.2	24.0	24.0	24.2	24.5	25.1	25.1
121°	26.2	25.9	25.5	25.4	24.2	24.0	24.0	24.0	24.3	24.9	24.9
121.5°	26.0	25.8	25.4	25.2	24.1	24.0	23.9	24.0	24.3	24.6	24.9
122°	25.9	25.6	25.3	25.1	24.1	24.0	23.8	24.0	24.4	24.5	24.9
122.5°	25.8	25.5	25.2	24.9	24.0	23.9	23.8	24.0	24.3	24.5	24.9
123°	25.6	25.3	25.1	24.9	23.9	23.9	23.8	23.9	24.3	24.6	24.7
123.5°	25.4	25.1	24.9	24.8	23.9	23.9	23.8	23.9	24.3	24.5	24.7
124°	25.3	25.0	24.8	24.8	23.8	23.9	23.8	23.9	24.4	24.5	24.7
124.5°	25.1	25.0	24.7	24.6	23.8	23.9	23.8	23.9	24.3	24.5	24.6
125°	25.1	24.9	24.6	24.5	23.8	23.9	23.8	23.9	24.3	24.5	24.6
125.5°	25.1	24.8	24.6	24.5	23.8	23.9	23.8	23.9	24.3	24.5	24.6
126°	25.1	24.6	24.5	24.5	23.8	23.9	23.8	23.9	24.3	24.6	24.6
126.5°	25.0	24.7	24.5	24.4	23.8	23.9	23.8	23.9	24.3	24.6	24.6
127°	24.8	24.6	24.5	24.4	23.9	23.9	23.8	23.9	24.3	24.6	24.6
127.5°	24.8	24.6	24.4	24.4	23.9	23.9	23.9	24.0	24.4	24.6	24.6
128°	24.8	24.6	24.4	24.4	24.0	23.9	23.9	24.0	24.4	24.7	24.6
128.5°	24.8	24.5	24.4	24.4	24.0	24.0	23.9	24.1	24.4	24.7	24.7
129°	24.8	24.5	24.4	24.4	24.1	24.0	24.1	24.2	24.4	24.8	24.7
129.5°	24.8	24.5	24.4	24.4	24.2	24.0	24.2	24.2	24.6	24.8	24.8
130°	24.7	24.5	24.4	24.4	24.1	24.0	24.3	24.3	24.6	24.8	25.0
130.5°	24.7	24.5	24.4	24.4	24.1	24.1	24.3	24.3	24.7	24.8	25.1
131°	24.7	24.5	24.4	24.4	24.3	24.3	24.3	24.4	24.8	25.0	25.1
131.5°	24.7	24.5	24.4	24.4	24.3	24.4	24.4	24.4	24.8	25.0	25.1
132°	24.7	24.5	24.4	24.5	24.4	24.5	24.6	24.5	24.9	25.2	25.1
132.5°	24.7	24.5	24.4	24.5	24.5	24.5	24.6	24.7	25.0	25.2	25.2
133°	24.7	24.5	24.4	24.4	24.6	24.6	24.8	24.8	25.2	25.4	25.3
133.5°	24.7	24.5	24.4	24.6	24.8	24.7	24.9	25.0	25.4	25.4	25.3
134°	24.8	24.5	24.4	24.9	24.8	24.9	25.0	25.1	25.5	25.4	25.4
134.5°	24.7	24.5	24.7	25.0	25.0	25.1	25.1	25.2	25.6	25.6	25.5



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	24.7	24.5	24.9	25.0	25.1	25.2	25.3	25.3	25.8	25.7	25.6
135.5°	25.0	24.8	24.9	25.0	25.3	25.4	25.5	25.6	25.9	26.0	25.7
136°	25.0	24.9	25.1	25.1	25.4	25.5	25.7	25.7	26.0	26.1	25.8
136.5°	25.0	25.0	25.1	25.3	25.6	25.7	25.8	25.9	26.1	26.3	25.9
137°	25.1	25.1	25.4	25.7	25.6	25.9	25.9	26.0	26.3	26.3	25.9
137.5°	25.3	25.2	25.6	25.8	25.8	26.0	26.0	26.1	26.3	26.5	26.2
138°	25.4	25.3	25.8	25.9	26.0	26.1	26.1	26.4	26.4	26.6	26.4
138.5°	25.5	25.6	25.8	25.9	26.1	26.3	26.4	26.5	26.6	26.6	26.5
139°	25.9	25.9	25.9	26.0	26.3	26.5	26.5	26.6	26.8	26.7	26.6
139.5°	26.0	25.9	26.0	26.2	26.4	26.6	26.7	26.7	26.9	26.9	26.8
140°	26.0	25.9	26.1	26.3	26.6	26.7	26.8	26.9	27.1	27.1	27.0
140.5°	26.1	26.0	26.2	26.6	26.8	26.8	27.0	27.0	27.2	27.4	27.2
141°	26.1	26.2	26.4	26.8	26.9	26.9	27.1	27.2	27.3	27.6	27.3
141.5°	26.3	26.3	26.6	26.8	27.0	27.0	27.3	27.2	27.4	27.6	27.4
142°	26.4	26.4	26.8	26.8	27.1	27.3	27.3	27.3	27.6	27.7	27.7
142.5°	26.8	26.8	26.8	27.1	27.3	27.4	27.6	27.4	27.7	27.8	27.8
143°	26.9	26.9	26.9	27.3	27.4	27.5	27.7	27.5	27.7	27.9	27.9
143.5°	26.9	26.9	27.0	27.6	27.4	27.5	27.7	27.6	27.7	28.0	28.1
144°	26.9	26.9	27.1	27.6	27.5	27.6	27.7	27.7	27.8	28.0	28.1
144.5°	26.9	26.9	27.2	27.6	27.7	27.8	27.7	27.8	27.8	28.0	28.1
145°	26.9	26.9	27.3	27.6	27.7	27.8	27.7	27.8	27.8	28.0	28.1
145.5°	26.9	26.9	27.2	27.6	27.7	27.8	27.7	27.7	27.8	28.0	28.1
146°	27.1	27.1	27.4	27.6	27.8	27.8	27.7	27.8	27.8	28.0	28.1
146.5°	27.4	27.2	27.7	27.6	27.8	27.7	27.7	27.8	27.8	28.0	28.1
147°	27.4	27.2	27.7	27.6	27.7	27.7	27.6	27.7	27.9	28.0	28.1
147.5°	27.3	27.3	27.7	27.6	27.6	27.7	27.6	27.5	27.8	28.0	28.1
148°	27.3	27.3	27.7	27.7	27.2	27.7	27.6	27.3	27.7	28.0	28.1
148.5°	27.3	27.3	27.8	27.7	27.2	27.2	27.6	27.3	27.7	28.0	28.1
149°	27.3	27.4	27.8	27.7	27.3	27.2	27.3	27.1	27.7	28.0	28.0
149.5°	27.3	27.4	27.7	27.7	27.2	27.1	27.2	27.1	27.7	27.8	27.9
150°	27.3	27.4	27.7	27.7	27.1	27.0	27.0	27.0	27.7	27.8	27.8
150.5°	27.3	27.4	27.8	27.7	27.1	27.0	26.9	26.9	27.3	27.8	27.8
151°	27.3	27.4	27.8	27.7	27.1	27.0	26.9	26.9	27.1	27.8	27.8
151.5°	27.3	27.4	27.7	27.7	27.0	26.9	26.9	26.9	27.1	27.8	27.8
152°	27.3	27.3	27.7	27.7	27.0	26.8	26.8	26.9	27.1	27.7	27.7
152.5°	27.3	27.3	27.5	27.7	26.9	26.8	26.8	26.9	27.1	27.7	27.7
153°	27.3	27.2	27.5	27.6	26.9	26.8	26.8	26.9	27.0	27.7	27.7
153.5°	27.3	27.2	27.5	27.6	26.9	26.8	26.8	26.9	27.0	27.7	27.7
154°	27.3	27.2	27.5	27.6	26.9	26.8	26.8	26.9	27.0	27.6	27.7
154.5°	27.3	27.2	27.4	27.5	26.9	26.8	26.8	26.9	26.9	27.6	27.7
155°	27.3	27.2	27.3	27.5	26.9	26.8	26.9	26.9	26.9	27.6	27.7
155.5°	27.3	27.2	27.3	27.5	26.9	26.8	26.9	26.9	26.9	27.6	27.7
156°	27.3	27.1	27.3	27.5	26.9	26.8	26.8	26.9	26.9	27.6	27.7
156.5°	27.3	27.1	27.4	27.5	26.9	26.8	26.8	26.9	26.9	27.6	27.7
157°	27.2	27.1	27.3	27.5	26.9	26.8	26.8	26.9	26.9	27.4	27.7



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	27.2	27.1	27.3	27.4	26.9	26.8	26.8	26.8	27.0	27.2	27.7
158°	27.2	26.9	27.3	27.3	26.9	26.8	26.7	26.8	27.0	27.1	27.7
158.5°	27.2	26.9	27.1	27.2	26.9	26.8	26.7	26.7	26.9	27.1	27.6
159°	27.1	26.8	26.9	27.1	26.9	26.8	26.5	26.6	26.9	27.1	27.3
159.5°	26.9	26.7	26.8	27.0	26.9	26.8	26.5	26.3	26.5	27.1	27.1
160°	26.8	26.7	26.7	26.9	26.9	26.8	26.3	26.1	26.4	26.9	26.9
160.5°	26.8	26.6	26.6	26.8	26.6	26.7	26.1	26.0	26.1	26.9	26.8
161°	26.7	26.4	26.6	26.8	26.3	26.3	25.9	25.9	26.0	26.6	26.8
161.5°	26.6	26.3	26.5	26.7	26.2	26.1	25.8	25.9	26.0	26.4	26.8
162°	26.6	26.3	26.4	26.6	26.1	26.0	25.9	25.6	25.9	26.2	26.7
162.5°	26.4	26.3	26.2	26.4	26.0	25.9	25.7	25.4	25.7	26.1	26.4
163°	26.3	26.1	26.1	26.3	26.0	25.9	25.7	25.2	25.5	25.9	26.2
163.5°	26.3	26.0	26.0	26.2	26.0	25.9	25.5	25.2	25.3	25.9	26.1
164°	26.3	25.8	25.9	25.9	25.5	25.4	25.3	25.1	25.2	25.8	26.0
164.5°	26.1	25.7	25.7	25.8	25.3	25.2	25.1	25.1	25.1	25.4	25.8
165°	26.0	25.6	25.6	25.6	25.3	25.2	24.8	24.8	25.1	25.1	25.8
165.5°	25.8	25.4	25.3	25.5	25.2	25.0	24.8	24.6	24.8	25.0	25.7
166°	25.6	25.2	25.2	25.3	25.0	24.9	24.5	24.4	24.6	25.0	25.1
166.5°	25.4	25.0	25.0	25.1	25.0	24.9	24.3	24.3	24.4	24.5	24.9
167°	25.3	24.9	24.8	25.0	24.7	24.7	24.1	24.2	24.2	24.4	24.9
167.5°	25.2	24.6	24.5	24.6	24.4	24.3	23.9	24.2	24.0	24.3	24.5
168°	24.8	24.4	24.1	24.2	24.0	23.9	23.5	23.6	23.9	24.1	24.3
168.5°	24.6	24.1	23.8	23.9	23.4	23.4	23.2	23.3	23.5	23.7	24.0
169°	24.2	23.7	23.4	23.5	23.2	23.2	23.1	23.2	23.4	23.6	23.6
169.5°	24.0	23.5	23.3	23.3	23.1	23.1	23.1	23.2	23.4	23.6	23.7
170°	23.9	23.5	23.3	23.3	23.1	23.1	23.1	23.3	23.4	23.6	23.7
170.5°	23.9	23.5	23.3	23.3	23.1	23.1	23.2	23.3	23.5	23.6	23.7
171°	24.2	24.1	24.5	24.3	23.5	23.4	23.5	23.6	23.7	23.7	23.7
171.5°	25.5	25.6	25.9	25.8	25.0	24.5	24.6	24.8	24.7	24.6	24.2
172°	26.9	27.0	27.1	27.0	26.5	26.1	26.3	26.4	26.2	25.9	25.5
172.5°	27.8	27.9	27.9	27.8	27.8	27.6	27.8	28.0	27.8	27.4	26.9
173°	28.6	28.5	28.5	28.5	28.7	28.5	28.8	29.0	28.7	28.4	28.0
173.5°	29.3	28.9	28.7	28.8	29.3	29.1	29.4	29.6	29.4	29.1	28.8
174°	29.7	29.7	29.2	29.0	29.8	29.6	29.8	29.9	30.0	29.7	29.4
174.5°	29.7	29.6	29.6	29.6	30.1	29.9	30.0	29.9	30.0	29.7	29.6
175°	29.6	29.6	29.8	29.6	30.2	30.1	30.0	29.9	29.9	29.7	29.6
175.5°	29.6	29.6	29.7	29.6	30.3	30.3	29.9	29.9	29.9	29.7	29.6
176°	29.7	29.6	29.7	29.6	30.4	30.2	29.9	29.9	29.9	29.7	29.6
176.5°	29.7	29.6	29.7	29.6	30.4	30.3	29.9	29.9	29.9	29.7	29.6
177°	29.7	29.6	29.7	29.6	30.4	30.3	29.9	29.9	29.9	29.7	29.6
177.5°	29.7	29.6	29.7	29.6	30.4	30.3	29.9	29.9	29.9	29.7	29.6
178°	29.7	29.6	29.7	29.6	30.5	30.3	29.9	29.9	29.9	29.7	29.6
178.5°	29.7	29.6	29.7	29.6	30.6	30.3	29.9	29.9	29.9	29.7	29.6
179°	29.7	29.6	29.7	29.7	30.6	30.3	29.9	29.9	29.9	29.7	29.6
179.5°	29.7	29.6	29.7	29.7	30.6	30.3	29.9	29.9	29.9	29.7	29.6



TEST NUMBER: P601040
CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	311.7	311.7	311.7	311.7	311.7	311.7
0.5°	311.7	311.7	311.7	310.9	311.9	311.7
1°	311.7	311.7	311.5	310.7	311.9	311.9
1.5°	311.1	311.7	311.5	310.8	311.9	312.5
2°	310.4	311.7	311.5	311.1	312.0	313.1
2.5°	310.0	311.7	311.5	311.3	312.0	313.3
3°	310.1	311.7	311.5	311.3	311.9	313.0
3.5°	310.2	311.7	311.3	310.5	311.9	312.5
4°	310.8	311.2	311.2	310.3	312.4	312.3
4.5°	310.8	310.8	310.8	310.3	312.4	312.2
5°	310.4	310.7	310.7	310.3	312.4	312.1
5.5°	309.5	310.6	310.7	310.3	312.1	312.0
6°	308.7	310.6	310.7	309.9	311.7	311.5
6.5°	308.6	310.6	310.7	309.5	311.0	311.4
7°	308.6	310.6	309.8	309.5	310.8	311.3
7.5°	308.6	309.9	309.5	309.5	310.8	311.3
8°	308.0	309.1	309.5	309.5	310.9	311.2
8.5°	307.4	308.9	309.4	308.9	311.0	310.9
9°	306.9	308.7	309.4	308.0	310.2	310.3
9.5°	306.4	308.3	308.7	307.8	309.2	309.8
10°	305.8	308.1	308.0	307.8	308.8	309.7
10.5°	305.8	307.7	307.4	307.8	308.8	309.6
11°	305.3	306.7	307.2	307.7	308.8	309.6
11.5°	304.8	305.7	306.7	307.2	308.8	308.9
12°	303.8	305.3	306.0	306.6	308.4	308.1
12.5°	303.0	305.3	305.7	305.6	307.5	307.3
13°	302.4	305.3	305.4	304.6	307.1	306.6
13.5°	302.1	304.3	304.5	304.0	307.0	306.6
14°	301.5	303.3	303.3	303.9	306.2	306.6
14.5°	301.6	302.8	302.7	303.9	305.1	306.3
15°	301.1	302.6	302.5	304.0	304.6	305.3
15.5°	299.9	301.9	302.3	303.6	304.2	303.9
16°	298.8	300.7	302.2	301.4	303.9	302.7
16.5°	297.9	300.0	301.7	300.1	303.6	302.4
17°	297.7	299.6	300.1	299.6	302.6	302.4
17.5°	297.2	299.3	298.6	299.3	301.4	302.4
18°	296.7	298.6	298.1	299.2	300.5	301.9
18.5°	295.8	296.9	298.1	299.0	299.8	300.5
19°	294.7	295.5	298.0	297.9	299.0	299.4
19.5°	293.3	294.7	297.0	296.6	298.0	298.7
20°	292.2	294.4	294.9	295.7	297.2	298.0
20.5°	291.5	293.8	293.4	295.2	296.6	297.1
21°	291.3	292.5	293.3	294.1	295.8	295.8
21.5°	290.7	290.8	293.2	292.5	294.8	294.8
22°	289.6	290.2	292.7	291.5	293.8	294.3



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	287.9	289.6	291.2	291.1	293.3	293.5
23°	286.8	288.8	289.4	290.4	292.8	292.7
23.5°	286.5	287.6	288.3	289.2	291.7	291.9
24°	285.5	286.1	287.2	288.4	290.0	290.7
24.5°	283.8	285.2	286.4	287.6	288.8	289.7
25°	282.1	284.2	285.8	286.6	288.2	289.0
25.5°	280.6	282.7	284.8	285.4	287.2	288.1
26°	280.0	281.8	283.2	284.0	285.8	286.5
26.5°	279.6	281.3	282.2	282.7	284.7	284.7
27°	278.6	280.9	281.4	281.6	284.1	283.7
27.5°	277.0	279.6	280.6	280.7	283.0	283.2
28°	275.3	277.6	278.8	279.6	281.4	282.5
28.5°	273.9	275.9	277.1	278.7	279.9	281.6
29°	273.1	274.9	276.1	277.5	279.0	280.1
29.5°	272.2	274.2	275.3	276.2	278.0	278.7
30°	271.1	273.1	274.5	274.9	277.1	277.4
30.5°	269.4	271.5	273.2	273.9	275.7	276.3
31°	267.8	269.8	271.4	272.6	274.4	275.0
31.5°	266.3	268.3	269.4	270.9	273.5	273.1
32°	264.9	266.9	267.9	269.1	272.5	271.1
32.5°	263.3	265.8	267.0	267.9	271.0	269.6
33°	261.7	264.6	265.8	266.9	269.0	268.8
33.5°	260.5	263.0	264.2	265.6	267.3	268.2
34°	259.4	260.9	262.7	264.1	265.9	267.3
34.5°	257.9	259.4	261.3	262.4	264.7	265.4
35°	256.1	258.3	260.1	261.0	263.1	263.5
35.5°	254.4	257.0	258.7	260.2	261.8	261.7
36°	253.4	255.6	257.4	259.3	260.6	260.1
36.5°	252.4	254.0	255.8	257.8	258.8	258.7
37°	251.1	252.2	254.0	255.7	256.8	257.3
37.5°	249.4	250.7	252.3	253.9	255.4	256.0
38°	246.9	249.1	250.6	252.5	254.2	254.9
38.5°	244.6	247.4	249.2	251.3	252.9	253.5
39°	243.4	245.5	247.9	249.5	251.6	251.7
39.5°	242.7	243.8	246.3	247.6	250.0	249.7
40°	241.1	242.1	244.7	245.7	248.0	247.9
40.5°	238.8	240.9	242.8	244.2	246.0	246.6
41°	236.4	239.3	240.8	243.0	244.3	245.1
41.5°	234.6	237.3	239.1	241.3	242.9	243.2
42°	233.4	235.1	237.9	239.8	241.5	241.3
42.5°	231.8	233.5	236.5	238.2	239.6	239.5
43°	230.0	232.0	234.2	236.6	237.8	238.4
43.5°	228.2	230.3	232.0	234.6	236.3	237.0
44°	226.4	228.2	230.3	232.7	234.5	234.6
44.5°	224.6	226.5	228.7	230.5	232.7	232.1



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	222.6	224.8	227.2	228.8	231.3	230.5
45.5°	220.7	223.2	225.7	227.0	229.5	229.2
46°	219.0	221.7	223.6	225.3	227.5	227.9
46.5°	217.4	219.8	221.8	223.5	225.4	226.4
47°	215.5	217.5	220.1	222.2	223.8	224.3
47.5°	213.6	215.6	218.4	220.8	222.4	222.2
48°	211.7	213.9	216.5	219.1	220.7	220.1
48.5°	209.7	212.4	214.7	216.6	218.5	218.0
49°	207.8	210.5	212.9	214.0	216.5	216.2
49.5°	206.2	208.1	211.2	212.2	214.8	214.7
50°	204.3	205.8	208.8	210.7	213.2	213.2
50.5°	202.1	204.1	206.7	209.4	211.3	211.4
51°	200.3	202.7	205.0	207.9	209.1	209.2
51.5°	198.7	201.0	203.0	205.5	207.1	207.3
52°	196.7	198.6	201.1	202.9	205.2	205.0
52.5°	194.7	196.3	199.2	200.8	203.2	202.7
53°	192.8	194.5	197.3	199.2	201.1	201.0
53.5°	191.0	192.8	195.3	197.7	199.0	199.3
54°	188.8	191.1	193.5	196.3	197.0	197.7
54.5°	186.8	189.6	191.6	194.2	195.1	195.8
55°	185.3	187.6	189.8	192.3	193.6	193.8
55.5°	183.4	185.0	187.6	190.2	191.8	191.8
56°	181.5	182.9	185.6	188.2	189.8	190.0
56.5°	179.5	181.1	183.8	186.3	187.6	187.7
57°	177.1	179.4	182.3	184.3	185.5	185.5
57.5°	175.1	177.3	180.5	182.1	183.9	183.9
58°	173.3	175.2	178.2	180.0	182.4	182.3
58.5°	171.6	173.0	176.3	178.2	180.4	180.4
59°	169.7	171.2	174.5	176.2	178.2	178.1
59.5°	167.4	169.6	172.6	174.3	176.1	176.0
60°	164.9	168.0	170.4	172.4	174.0	173.7
60.5°	162.9	165.7	168.3	170.6	172.2	171.5
61°	161.3	163.4	166.5	168.7	170.1	169.6
61.5°	159.9	161.3	164.6	166.5	168.1	167.8
62°	158.2	159.4	162.6	164.5	166.3	165.9
62.5°	155.7	157.5	160.5	162.4	164.5	163.9
63°	153.1	155.6	158.4	160.5	162.5	161.7
63.5°	151.0	153.6	156.5	158.6	160.4	159.6
64°	149.6	151.7	154.5	156.5	158.4	157.6
64.5°	148.2	150.0	152.5	154.6	156.3	155.8
65°	146.3	147.9	150.6	152.8	154.1	154.0
65.5°	144.0	145.9	148.8	150.8	151.7	152.0
66°	141.6	143.7	147.0	148.9	149.8	150.0
66.5°	139.6	141.8	145.0	146.9	148.0	147.9
67°	138.1	139.9	142.9	144.8	146.2	145.9



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	136.3	138.1	141.0	142.8	144.1	143.7
68°	134.6	136.2	139.1	140.7	142.3	141.7
68.5°	132.3	134.1	137.0	139.0	140.5	140.0
69°	130.3	132.1	135.1	137.1	138.5	138.2
69.5°	128.3	130.2	133.1	135.2	136.3	136.3
70°	126.6	128.5	131.3	133.1	134.5	134.1
70.5°	124.8	126.7	129.3	131.4	132.5	132.1
71°	123.2	124.7	127.5	129.6	130.4	130.2
71.5°	121.3	122.8	125.6	127.7	128.5	128.3
72°	119.3	121.0	123.7	125.8	126.6	126.4
72.5°	117.2	119.2	121.8	124.0	124.8	124.7
73°	115.2	117.4	119.9	122.1	123.2	122.5
73.5°	113.5	115.6	118.1	120.2	121.4	120.8
74°	111.9	113.7	116.2	118.0	119.4	118.7
74.5°	110.2	111.8	114.5	116.1	117.2	116.8
75°	108.4	110.0	112.7	114.3	115.2	115.0
75.5°	106.5	108.1	110.8	112.7	113.4	113.2
76°	104.9	106.6	108.9	111.1	111.7	111.4
76.5°	103.2	104.8	107.1	109.1	109.9	109.6
77°	101.3	103.0	105.5	107.1	108.0	107.7
77.5°	99.6	101.2	103.8	105.3	106.2	105.8
78°	97.9	99.4	102.1	103.5	104.4	103.9
78.5°	96.2	97.6	100.3	102.1	102.8	102.2
79°	94.4	96.0	98.6	100.5	101.2	100.5
79.5°	92.7	94.5	96.9	98.6	99.3	98.9
80°	91.1	92.8	95.5	96.6	97.4	97.2
80.5°	89.6	91.0	93.8	95.0	95.6	95.7
81°	88.0	89.2	91.9	93.4	94.0	93.8
81.5°	86.5	87.7	90.0	91.8	92.6	92.1
82°	84.9	86.3	88.7	90.0	91.0	90.3
82.5°	83.2	84.9	87.2	88.3	88.9	88.6
83°	81.6	83.2	85.6	86.8	87.3	87.0
83.5°	80.1	81.7	84.1	85.2	85.7	85.6
84°	78.7	80.3	82.4	83.8	84.3	84.0
84.5°	77.3	79.0	80.8	82.3	82.8	82.4
85°	76.0	77.8	79.4	80.7	81.3	80.9
85.5°	74.5	76.1	78.1	79.0	79.7	79.3
86°	73.0	74.6	76.9	77.6	78.2	77.9
86.5°	71.7	73.1	75.4	76.5	77.0	76.5
87°	70.3	71.9	73.7	75.2	75.7	75.0
87.5°	69.1	70.8	72.5	73.9	74.2	73.8
88°	68.0	69.5	71.3	72.5	72.6	72.5
88.5°	66.7	68.0	70.1	70.9	71.2	71.0
89°	65.3	66.7	68.8	69.6	70.1	69.5
89.5°	63.9	65.5	67.3	68.3	68.8	68.2



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	62.7	64.5	66.2	67.2	67.5	67.0
90.5°	61.7	63.3	64.9	66.1	66.2	65.8
91°	60.5	62.0	63.8	64.7	64.9	64.6
91.5°	59.4	60.7	62.6	63.4	63.7	63.1
92°	58.3	59.6	61.3	62.2	62.6	62.0
92.5°	57.0	58.5	60.1	61.2	61.3	60.8
93°	55.9	57.5	59.1	60.2	60.2	59.8
93.5°	54.8	56.6	58.0	59.1	59.1	58.8
94°	53.8	55.5	56.9	57.8	58.1	57.6
94.5°	52.8	54.4	55.8	56.6	56.9	56.4
95°	51.9	53.4	54.7	55.6	55.8	55.3
95.5°	51.0	52.4	53.8	54.6	54.7	54.3
96°	50.1	51.5	53.1	53.6	53.8	53.3
96.5°	49.1	50.7	52.2	52.7	52.9	52.3
97°	48.2	50.0	51.0	51.8	52.1	51.2
97.5°	47.5	48.9	49.9	50.8	51.0	50.3
98°	46.6	48.1	49.1	49.9	50.0	49.5
98.5°	45.6	47.1	48.3	49.0	49.1	48.6
99°	44.8	46.2	47.6	48.3	48.3	47.7
99.5°	43.9	45.5	46.7	47.4	47.4	46.9
100°	43.1	44.7	45.9	46.6	46.5	46.0
100.5°	42.3	44.0	45.1	45.8	45.7	45.2
101°	41.6	43.3	44.3	44.9	45.0	44.3
101.5°	41.1	42.5	43.6	44.2	44.2	43.6
102°	40.3	41.8	42.8	43.5	43.3	42.9
102.5°	39.5	40.8	41.9	42.7	42.6	42.1
103°	38.8	40.3	41.4	41.9	41.8	41.1
103.5°	38.4	39.7	40.7	41.1	41.2	40.5
104°	37.7	39.1	40.0	40.4	40.5	39.9
104.5°	37.1	38.5	39.4	39.9	39.7	39.4
105°	36.6	38.0	38.8	39.2	39.2	38.7
105.5°	35.7	37.4	38.2	38.5	38.5	38.0
106°	35.2	36.7	37.6	38.0	37.9	37.4
106.5°	34.8	36.1	37.2	37.5	37.3	36.8
107°	34.3	35.6	36.5	37.0	36.7	36.2
107.5°	33.9	35.1	35.8	36.4	36.2	35.6
108°	33.2	34.6	35.3	35.8	35.7	35.0
108.5°	33.0	34.1	34.8	35.2	35.1	34.6
109°	32.3	33.7	34.3	34.6	34.6	34.1
109.5°	32.1	33.2	33.9	34.1	34.1	33.6
110°	31.4	32.7	33.4	33.6	33.6	33.1
110.5°	31.1	32.3	32.9	33.2	33.1	32.6
111°	30.5	31.9	32.4	32.7	32.7	32.2
111.5°	30.2	31.5	32.0	32.3	32.3	31.7
112°	29.8	31.1	31.5	31.9	31.9	31.2



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	29.5	30.8	31.2	31.5	31.3	30.9
113°	29.2	30.4	30.8	31.1	31.0	30.6
113.5°	28.6	30.1	30.4	30.7	30.6	30.2
114°	28.5	29.6	30.1	30.3	30.2	29.8
114.5°	28.2	29.3	29.8	30.0	29.9	29.5
115°	27.8	29.0	29.5	29.6	29.6	29.1
115.5°	27.7	28.8	29.2	29.3	29.3	28.8
116°	27.1	28.5	28.8	29.0	29.0	28.6
116.5°	26.9	28.2	28.6	28.7	28.6	28.2
117°	26.7	27.8	28.3	28.4	28.3	27.9
117.5°	26.6	27.7	28.0	28.2	28.0	27.6
118°	26.2	27.4	27.8	27.8	27.7	27.4
118.5°	26.0	27.3	27.5	27.6	27.5	27.2
119°	25.9	27.1	27.3	27.4	27.3	27.0
119.5°	25.8	26.9	27.1	27.2	27.1	26.8
120°	25.5	26.7	26.9	27.0	26.9	26.6
120.5°	25.3	26.6	26.8	26.8	26.8	26.4
121°	25.1	26.5	26.6	26.6	26.6	26.2
121.5°	25.0	26.2	26.4	26.4	26.4	26.0
122°	25.0	26.1	26.3	26.3	26.2	25.9
122.5°	25.0	26.1	26.1	26.1	26.0	25.8
123°	24.9	26.0	25.9	25.9	25.8	25.6
123.5°	24.9	25.9	25.8	25.9	25.7	25.4
124°	24.9	25.7	25.7	25.8	25.6	25.3
124.5°	24.8	25.6	25.6	25.7	25.5	25.1
125°	24.8	25.5	25.6	25.5	25.4	25.1
125.5°	24.8	25.5	25.4	25.4	25.3	25.1
126°	24.8	25.4	25.4	25.4	25.1	25.1
126.5°	24.8	25.4	25.3	25.2	25.1	25.0
127°	24.8	25.4	25.3	25.2	25.0	24.8
127.5°	24.8	25.3	25.2	25.1	25.0	24.8
128°	24.8	25.3	25.2	25.1	25.0	24.8
128.5°	24.8	25.3	25.2	25.1	24.9	24.8
129°	24.9	25.3	25.2	25.0	24.9	24.8
129.5°	24.9	25.3	25.2	25.0	24.9	24.8
130°	24.9	25.3	25.2	25.1	24.9	24.7
130.5°	24.9	25.3	25.2	25.0	24.9	24.7
131°	25.1	25.3	25.2	25.0	24.9	24.7
131.5°	25.2	25.3	25.2	25.0	24.9	24.7
132°	25.3	25.3	25.2	25.0	24.9	24.7
132.5°	25.3	25.3	25.2	25.0	24.9	24.7
133°	25.3	25.3	25.2	25.0	24.9	24.7
133.5°	25.4	25.3	25.2	25.0	24.9	24.7
134°	25.5	25.3	25.2	25.0	25.0	24.8
134.5°	25.5	25.3	25.2	25.1	25.1	24.7



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	25.6	25.4	25.2	25.1	25.1	24.7
135.5°	25.7	25.4	25.2	25.1	25.2	25.0
136°	25.8	25.8	25.3	25.2	25.1	25.0
136.5°	25.9	26.0	25.5	25.2	25.1	25.0
137°	25.9	26.1	25.7	25.3	25.2	25.1
137.5°	26.0	26.1	25.9	25.6	25.3	25.3
138°	26.1	26.1	25.9	25.9	25.6	25.4
138.5°	26.3	26.2	26.0	25.9	25.9	25.5
139°	26.4	26.4	26.1	25.9	25.9	25.9
139.5°	26.6	26.8	26.3	26.1	25.9	26.0
140°	26.7	26.9	26.5	26.1	26.0	26.0
140.5°	26.8	26.9	26.7	26.3	26.2	26.1
141°	27.0	27.0	26.8	26.7	26.4	26.1
141.5°	27.1	27.2	26.8	26.7	26.4	26.3
142°	27.3	27.3	27.0	26.8	26.6	26.4
142.5°	27.4	27.6	27.2	26.9	26.8	26.8
143°	27.6	27.8	27.4	27.0	26.8	26.9
143.5°	27.8	27.8	27.4	27.0	26.9	26.9
144°	27.9	27.8	27.6	27.2	27.1	26.9
144.5°	28.0	27.8	27.7	27.7	27.1	26.9
145°	28.0	27.9	27.7	27.7	27.2	26.9
145.5°	27.9	28.0	27.8	27.7	27.5	26.9
146°	27.9	28.1	28.0	27.7	27.6	27.1
146.5°	27.9	28.2	28.0	27.8	27.7	27.4
147°	27.9	28.3	28.1	27.9	27.7	27.4
147.5°	27.9	28.6	28.2	28.1	27.7	27.3
148°	27.9	28.6	28.5	28.2	27.7	27.3
148.5°	27.9	28.6	28.6	28.3	27.7	27.3
149°	27.9	28.7	28.6	28.4	27.7	27.3
149.5°	27.9	28.7	28.5	28.3	27.7	27.3
150°	27.7	28.7	28.5	28.3	27.7	27.3
150.5°	27.7	28.7	28.5	28.3	27.7	27.3
151°	27.7	28.7	28.5	28.3	27.7	27.3
151.5°	27.7	28.7	28.5	28.4	27.7	27.3
152°	27.7	28.7	28.5	28.4	27.7	27.3
152.5°	27.6	28.7	28.5	28.2	27.7	27.3
153°	27.5	28.7	28.5	28.1	27.7	27.3
153.5°	27.5	28.7	28.6	28.2	27.7	27.3
154°	27.5	28.6	28.5	28.2	27.7	27.3
154.5°	27.5	28.6	28.4	28.1	27.6	27.3
155°	27.5	28.6	28.3	28.1	27.6	27.3
155.5°	27.5	28.5	28.3	28.1	27.6	27.3
156°	27.4	28.5	28.3	28.1	27.6	27.3
156.5°	27.4	28.4	28.3	28.2	27.5	27.3
157°	27.4	28.5	28.3	28.2	27.5	27.2



TEST NUMBER: P601040
 CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	27.4	28.4	28.3	28.1	27.6	27.2
158°	27.4	28.3	28.3	28.0	27.6	27.2
158.5°	27.3	28.3	28.2	27.9	27.4	27.2
159°	27.2	28.3	28.2	27.9	27.3	27.1
159.5°	27.1	28.3	28.2	27.8	27.3	26.9
160°	27.0	28.3	28.2	27.7	27.3	26.8
160.5°	26.9	28.3	28.0	27.6	27.1	26.8
161°	26.8	28.1	27.8	27.4	27.0	26.7
161.5°	26.8	27.8	27.7	27.3	26.9	26.6
162°	26.7	27.6	27.6	27.2	26.8	26.6
162.5°	26.4	27.5	27.4	27.0	26.7	26.4
163°	26.2	27.5	27.3	26.9	26.6	26.3
163.5°	26.1	27.3	27.1	26.8	26.6	26.3
164°	26.0	27.1	27.0	26.7	26.4	26.3
164.5°	26.0	27.0	26.9	26.5	26.2	26.1
165°	25.8	26.9	26.8	26.4	26.2	26.0
165.5°	25.8	26.8	26.7	26.2	26.1	25.8
166°	25.5	26.6	26.5	26.0	25.9	25.6
166.5°	25.2	26.6	26.2	25.9	25.7	25.4
167°	25.0	26.4	25.9	25.7	25.6	25.3
167.5°	24.9	26.2	25.7	25.6	25.3	25.2
168°	24.8	25.9	25.5	25.2	25.1	24.8
168.5°	24.4	25.6	25.2	25.0	24.8	24.6
169°	24.0	25.1	24.8	24.6	24.5	24.2
169.5°	23.7	24.7	24.4	24.3	24.2	24.0
170°	23.7	24.4	24.2	24.1	24.0	23.9
170.5°	23.7	24.2	24.2	24.1	24.0	23.9
171°	23.7	24.2	24.2	24.1	24.1	24.2
171.5°	24.1	24.9	24.9	24.7	25.2	25.5
172°	25.2	26.4	26.3	26.2	26.7	26.9
172.5°	26.7	27.6	27.5	27.4	27.7	27.8
173°	27.9	28.4	28.3	28.2	28.5	28.6
173.5°	28.7	29.0	28.9	28.8	29.1	29.3
174°	29.3	29.5	29.5	29.5	29.6	29.7
174.5°	29.7	29.6	29.6	29.5	29.7	29.7
175°	29.7	29.6	29.6	29.5	29.8	29.6
175.5°	29.7	29.6	29.5	29.5	29.9	29.6
176°	29.7	29.7	29.5	29.6	29.9	29.7
176.5°	29.7	29.8	29.7	29.7	29.9	29.7
177°	29.7	29.9	29.7	29.7	29.9	29.7
177.5°	29.7	30.0	29.8	29.7	29.9	29.7
178°	29.7	30.0	29.7	29.8	29.9	29.7
178.5°	29.7	30.0	29.9	29.8	29.9	29.7
179°	29.7	30.0	29.9	29.8	29.9	29.7
179.5°	29.7	30.0	30.0	29.8	29.9	29.7



TEST NUMBER: P601040
CATALOG NUMBER: FM119S1EWHR_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	29.7	29.7	29.7	29.7	29.7	29.7

(END OF REPORT)