

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: P601039

Luminaire Tested: FM119S1EWHR_2700K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601039
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_2700K
Description: FM119S1EWHR at 2700K
Light Source: -
Ballast/Driver: -

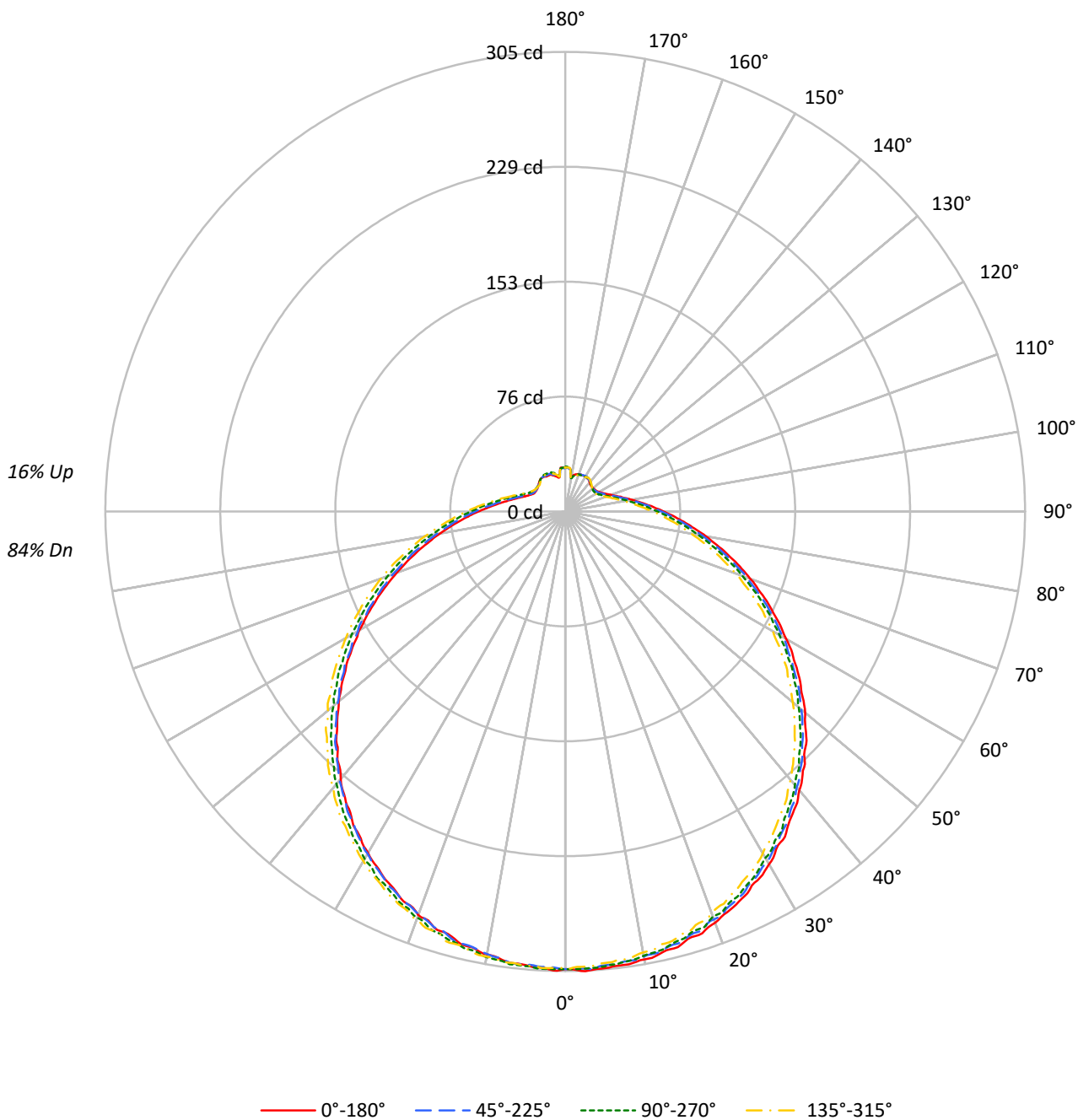
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.8 lumens
Efficiency: N/A
Efficacy: 88.7 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): 14.3
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_2700K

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°	3570	3570	3570	3570
5°	3470	3457	3447	3454
10°	3370	3343	3332	3353
15°	3278	3243	3217	3249
20°	3182	3136	3122	3142
25°	3091	3047	3004	3040
30°	2995	2941	2898	2949
35°	2895	2845	2787	2837
40°	2794	2741	2678	2729
45°	2687	2638	2570	2621
50°	2595	2525	2449	2505
55°	2488	2426	2333	2407
60°	2377	2305	2214	2298
65°	2275	2189	2090	2186
70°	2170	2079	1976	2079
75°	2074	1976	1868	1985
80°	1998	1887	1777	1910
85°	1953	1841	1728	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 337.5°
 Vertical Angle: 45°
 Luminance: 2696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	2.3
10°-20°	83.1	6.6
20°-30°	127.8	10.1
30°-40°	157.6	12.4
40°-50°	169.4	13.4
50°-60°	163.4	12.9
60°-70°	142.7	11.2
70°-80°	113.0	8.9
80°-90°	81.8	6.4
90°-100°	56.1	4.4
100°-110°	38.2	3.0
110°-120°	27.2	2.1
120°-130°	21.7	1.7
130°-140°	19.1	1.5
140°-150°	16.8	1.3
150°-160°	12.4	1.0
160°-170°	7.1	0.6
170°-180°	2.5	0.2
0°-30°	239.7	18.9
0°-40°	397.4	31.3
0°-60°	730.2	57.5
0°-90°	1067.6	84.1
90°-120°	121.5	9.6
90°-150°	179.1	14.1
90°-180°	201.0	15.8
0°-180°	1268.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	304	304	304	304	304	
5°	304	303	302	303	304	29
15°	298	294	292	295	298	84
25°	282	278	274	277	282	130
35°	257	252	247	252	257	161
45°	225	220	215	219	225	174
55°	189	184	177	183	189	169
65°	150	144	138	144	150	149
75°	112	107	101	107	112	119
85°	79	74	70	76	79	68
90°	65	61	57	63	65	36
95°	54	50	47	52	54	42
105°	38	35	34	37	38	40
115°	28	26	26	28	28	28
125°	24	23	24	25	24	22
135°	24	24	25	25	24	19
145°	26	27	27	27	26	16
155°	27	26	26	28	27	12
165°	25	25	24	26	25	7
175°	29	29	29	29	29	3
180°	29	29	29	29	29	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8
0.5°	303.8	303.8	303.8	303.7	303.8	303.6	303.6	303.8	304.2	304.2	303.6
1°	304.0	303.7	303.7	303.7	303.8	303.2	302.8	303.8	304.8	304.1	303.2
1.5°	304.6	303.8	303.7	303.7	303.8	302.8	302.4	303.8	304.8	304.0	302.6
2°	305.2	304.0	303.6	303.7	303.8	302.8	302.4	303.8	304.2	303.7	302.6
2.5°	305.4	304.0	303.6	303.7	303.7	302.9	302.4	303.7	303.4	303.6	302.6
3°	305.1	304.1	304.0	303.4	303.5	302.8	302.4	303.2	303.2	303.2	302.6
3.5°	304.6	304.1	304.7	303.4	303.5	302.6	302.1	302.6	303.2	302.5	302.5
4°	304.4	303.9	303.2	303.3	303.4	302.1	301.5	302.6	303.2	302.5	302.0
4.5°	304.3	303.9	302.5	303.1	303.2	301.9	301.0	302.6	302.7	302.5	301.8
5°	304.2	303.9	302.3	302.9	303.1	301.5	300.8	302.5	302.2	302.5	301.8
5.5°	304.1	303.9	302.3	302.4	302.5	301.3	300.8	302.0	301.9	302.3	302.0
6°	303.6	303.8	302.3	302.1	302.4	301.3	300.6	301.8	301.6	301.6	302.0
6.5°	303.5	303.2	302.3	302.1	302.4	301.3	299.9	301.7	301.8	300.9	302.0
7°	303.4	302.7	301.5	302.1	301.7	301.2	299.8	301.2	301.8	300.3	301.7
7.5°	303.4	302.5	301.3	302.0	301.6	300.6	299.9	300.5	301.3	300.1	300.9
8°	303.4	302.5	301.3	301.6	301.2	300.2	299.8	300.1	300.5	300.1	299.9
8.5°	303.0	302.6	301.3	301.3	300.9	300.2	299.3	299.8	299.6	300.0	299.4
9°	302.5	302.5	301.3	301.0	300.6	300.2	298.4	299.3	299.0	299.0	299.2
9.5°	301.9	301.6	300.7	300.6	300.0	300.1	297.7	298.6	298.6	298.1	298.8
10°	301.8	301.0	299.9	299.6	299.4	299.4	297.3	298.6	298.4	298.2	298.3
10.5°	301.8	301.0	299.5	298.8	298.9	298.4	297.0	298.6	298.4	298.8	297.7
11°	301.8	301.1	299.4	298.6	298.7	297.6	296.9	298.4	297.7	298.3	297.3
11.5°	301.1	301.0	299.4	298.3	298.6	296.6	296.6	297.2	296.6	297.6	296.3
12°	300.3	299.6	299.3	298.0	298.2	296.2	295.4	295.9	295.8	296.2	295.6
12.5°	299.5	298.5	298.6	297.5	297.9	295.7	294.3	295.0	295.8	295.2	295.1
13°	298.9	298.2	297.2	296.5	297.1	295.4	294.3	295.0	295.7	294.5	294.9
13.5°	298.8	298.1	296.6	296.1	296.2	295.3	294.2	295.0	295.4	294.4	294.9
14°	298.8	298.1	296.3	295.9	295.3	294.8	293.8	294.9	294.3	294.4	294.8
14.5°	298.6	297.9	296.3	295.1	294.7	293.8	292.8	293.9	293.0	293.8	294.2
15°	297.6	297.1	296.2	294.5	294.4	292.9	291.4	292.3	292.0	292.6	293.2
15.5°	296.3	296.3	295.3	294.1	294.2	292.4	290.9	291.2	291.1	291.3	291.8
16°	295.1	295.3	293.8	293.8	293.2	292.2	290.8	291.2	290.6	290.2	290.3
16.5°	294.7	294.4	293.0	293.4	291.9	291.6	290.6	291.2	290.6	289.9	289.7
17°	294.7	293.7	292.6	292.6	291.2	290.8	289.3	290.6	290.5	289.2	289.7
17.5°	294.7	293.2	292.6	291.1	291.1	289.8	287.8	289.0	289.4	288.3	289.3
18°	294.3	293.1	292.6	289.9	291.0	288.6	287.1	287.1	287.8	287.4	288.1
18.5°	292.9	292.8	291.4	289.6	290.9	287.6	287.0	286.3	286.3	286.5	286.9
19°	291.8	291.8	289.4	289.4	289.3	287.0	286.7	286.3	285.9	285.8	286.0
19.5°	291.1	290.2	288.3	288.9	287.5	286.5	285.5	285.9	285.8	285.0	285.1
20°	290.5	289.0	288.1	287.3	286.3	286.0	283.8	285.1	285.0	284.0	284.4
20.5°	289.6	288.4	288.0	285.6	285.9	285.1	282.5	283.6	283.3	283.0	283.4
21°	288.4	288.0	287.8	285.2	285.8	284.2	281.6	282.1	281.7	282.0	282.2
21.5°	287.4	287.5	286.6	284.9	285.1	283.2	281.0	281.3	280.9	281.1	281.2
22°	286.8	286.8	284.7	284.5	283.7	281.9	280.9	280.8	280.7	280.6	280.7



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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°	286.0	285.4	283.7	283.3	282.2	281.0	279.5	279.8	280.1	279.5	279.9
23°	285.2	283.9	283.0	281.7	281.2	280.2	277.9	278.6	278.9	278.0	279.0
23.5°	284.5	282.9	282.2	280.3	280.6	279.0	276.9	277.2	277.5	276.8	277.8
24°	283.3	282.1	281.3	279.3	280.1	277.5	276.4	276.0	276.0	275.7	276.6
24.5°	282.3	281.4	280.5	278.5	279.2	276.3	275.2	275.3	274.8	274.7	275.5
25°	281.7	280.6	279.7	277.6	277.7	275.5	273.9	274.4	273.7	273.6	275.0
25.5°	280.8	279.8	278.2	276.7	276.5	274.9	272.5	273.5	272.8	272.6	273.7
26°	279.2	278.2	276.4	275.5	275.4	273.7	271.5	272.6	271.8	271.9	272.3
26.5°	277.5	276.5	275.3	274.3	274.5	272.7	270.5	271.2	270.6	270.6	270.9
27°	276.5	275.7	274.5	273.4	273.6	271.5	269.6	270.1	269.2	269.2	269.6
27.5°	276.0	275.0	273.8	272.6	272.4	270.1	268.7	268.7	267.7	267.7	268.4
28°	275.3	274.0	272.8	271.1	271.2	268.6	267.6	267.2	266.6	266.8	267.3
28.5°	274.4	272.6	271.2	269.6	269.8	267.5	266.3	265.7	265.6	265.6	266.2
29°	273.0	271.2	269.8	268.1	268.3	266.6	265.0	264.4	264.5	264.1	265.1
29.5°	271.6	270.3	269.0	267.3	266.8	265.5	263.7	263.3	263.2	262.6	263.5
30°	270.3	269.8	268.1	266.8	265.5	264.4	262.0	262.3	261.6	261.5	262.2
30.5°	269.3	269.0	267.0	265.8	264.9	262.7	260.4	261.0	260.4	260.6	261.3
31°	268.0	267.2	265.4	264.4	263.9	261.1	259.1	259.2	259.4	259.2	259.9
31.5°	266.2	265.4	263.8	262.7	262.5	260.1	258.1	257.8	257.8	257.4	258.1
32°	264.2	264.2	262.7	261.0	260.7	258.9	256.8	256.8	255.9	255.7	256.9
32.5°	262.8	263.2	261.9	259.5	259.0	257.5	255.3	255.2	254.4	254.1	255.6
33°	262.0	261.7	260.2	258.1	258.0	255.8	253.7	253.5	253.3	253.1	254.0
33.5°	261.4	260.0	258.3	256.8	257.3	254.0	252.3	252.1	252.5	252.2	252.3
34°	260.5	258.4	256.9	255.7	256.2	252.5	250.7	251.1	251.2	250.7	250.7
34.5°	258.7	257.1	255.7	254.7	254.5	251.6	249.3	250.3	249.4	248.7	249.3
35°	256.8	255.9	254.7	253.1	252.4	250.7	247.9	248.9	247.2	246.6	248.1
35.5°	255.1	254.7	253.5	251.3	250.3	249.2	246.4	246.6	245.4	245.2	247.0
36°	253.5	253.6	252.0	249.4	249.0	247.5	244.7	244.7	244.0	244.8	245.8
36.5°	252.2	252.0	250.1	248.3	247.8	245.6	243.7	243.1	243.1	244.2	243.8
37°	250.8	250.2	248.3	247.2	246.1	243.7	242.4	242.2	241.6	242.5	241.7
37.5°	249.5	248.8	246.8	245.5	244.7	242.4	241.0	240.7	239.8	240.3	240.1
38°	248.4	247.1	245.9	243.4	243.4	242.0	239.2	238.6	238.2	238.2	238.9
38.5°	247.1	245.4	244.8	241.8	242.3	240.6	237.1	236.8	236.9	236.4	237.5
39°	245.3	243.9	242.7	240.6	240.6	238.4	235.4	235.4	235.4	235.1	235.8
39.5°	243.3	242.7	240.7	239.7	238.9	236.2	234.0	234.1	233.7	233.6	234.4
40°	241.6	241.6	239.0	238.5	237.0	234.4	232.6	232.4	231.6	231.5	232.8
40.5°	240.3	239.8	237.8	236.3	235.2	232.9	230.8	230.3	229.5	229.5	231.2
41°	238.9	237.6	236.3	234.0	233.4	231.3	229.0	228.5	227.5	227.8	229.3
41.5°	237.1	235.7	234.3	232.3	232.1	229.8	227.3	227.1	226.0	226.4	227.2
42°	235.2	234.2	232.5	231.2	231.3	228.4	225.9	225.6	224.8	225.1	225.6
42.5°	233.4	232.8	231.0	230.1	229.7	226.8	224.0	223.9	223.6	223.6	224.1
43°	232.3	231.4	229.6	228.6	227.5	224.7	222.2	222.1	221.5	221.9	222.1
43.5°	231.0	229.8	228.1	226.1	225.3	222.8	220.5	220.2	219.2	219.8	220.2
44°	228.7	227.8	226.4	223.5	223.4	221.0	218.9	218.3	217.3	217.4	218.6
44.5°	226.2	225.9	224.2	221.9	221.9	219.6	217.2	216.7	216.2	215.3	217.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	224.6	223.9	222.1	220.6	220.5	217.9	215.5	214.8	214.8	213.7	215.9
45.5°	223.4	222.0	220.4	219.0	218.8	216.2	213.3	212.9	212.8	212.8	213.5
46°	222.1	220.6	218.8	216.9	217.1	214.4	211.5	211.1	210.5	211.3	211.4
46.5°	220.7	219.1	217.2	214.8	215.3	212.7	209.9	209.3	208.5	209.0	209.8
47°	218.6	217.3	215.5	213.4	213.2	210.6	208.2	207.5	206.8	206.4	208.1
47.5°	216.5	214.9	213.6	212.2	211.3	208.5	206.3	205.9	205.1	204.7	206.0
48°	214.5	212.9	211.7	210.5	209.5	206.9	204.5	203.9	203.3	203.7	204.2
48.5°	212.5	211.2	210.1	208.3	207.8	205.3	202.7	202.1	201.2	202.2	202.5
49°	210.7	210.1	208.3	206.1	206.0	203.4	200.9	200.2	199.3	200.2	200.6
49.5°	209.2	208.7	206.3	204.1	204.2	201.6	199.1	198.0	197.5	197.8	198.6
50°	207.8	207.0	204.4	202.4	202.2	200.1	197.2	196.1	196.1	195.6	196.7
50.5°	206.1	204.6	202.5	200.9	200.1	198.1	195.1	194.7	194.2	193.8	194.7
51°	203.9	202.0	200.6	199.4	198.6	196.2	193.1	193.3	192.0	192.3	192.9
51.5°	202.0	200.1	199.0	197.6	197.0	194.1	191.5	191.4	190.0	190.6	191.4
52°	199.8	198.8	197.3	195.0	195.3	192.2	189.9	189.3	188.4	188.6	189.8
52.5°	197.6	197.5	195.6	192.8	193.4	190.3	187.9	187.2	186.5	186.6	188.1
53°	195.9	195.6	193.7	190.9	191.2	188.3	185.8	185.4	184.4	184.3	186.0
53.5°	194.3	193.1	191.9	189.3	188.9	187.0	183.7	183.6	182.1	182.3	183.6
54°	192.7	191.1	189.7	187.8	187.2	185.3	182.2	181.8	180.2	180.8	181.5
54.5°	190.9	189.2	187.6	186.0	185.7	183.0	180.9	179.9	178.7	179.2	180.0
55°	188.9	187.6	185.5	184.2	184.2	180.9	179.0	178.1	177.2	177.1	178.5
55.5°	187.0	185.6	183.6	182.1	182.3	179.0	176.6	176.0	175.2	175.0	176.5
56°	185.2	183.4	182.0	180.0	180.0	177.2	174.3	173.7	172.9	172.9	174.3
56.5°	183.0	181.6	180.4	178.1	177.9	175.3	172.2	171.5	170.7	171.0	172.1
57°	180.8	179.8	178.3	176.4	175.8	173.2	170.8	169.7	169.0	169.1	169.9
57.5°	179.2	178.0	176.1	174.4	174.0	171.0	169.1	168.1	167.2	167.1	168.3
58°	177.7	175.9	174.1	172.4	172.3	169.1	166.9	166.1	165.1	165.1	166.9
58.5°	175.8	173.6	172.4	170.4	170.3	167.3	164.6	164.0	162.8	163.2	165.1
59°	173.6	171.7	170.9	168.1	168.1	165.4	162.5	161.9	160.8	161.4	162.7
59.5°	171.5	169.9	169.2	166.1	165.9	163.3	160.7	160.1	159.5	159.8	160.5
60°	169.3	168.2	167.0	164.4	164.2	161.4	159.3	158.1	157.7	157.9	158.8
60.5°	167.1	166.2	164.7	162.7	162.3	159.6	157.3	155.9	155.4	156.0	157.5
61°	165.3	164.1	162.6	160.7	160.1	157.6	155.0	153.9	153.3	153.7	156.0
61.5°	163.5	162.1	160.7	158.9	157.9	155.5	152.7	152.0	151.5	151.4	153.8
62°	161.7	160.6	158.9	157.0	155.9	153.5	150.7	150.5	149.6	149.6	151.3
62.5°	159.8	158.9	156.9	155.2	154.5	151.6	149.0	148.6	147.8	148.1	149.0
63°	157.6	157.0	154.8	152.8	152.9	149.7	147.5	146.4	145.7	146.5	147.3
63.5°	155.6	154.7	152.9	150.7	150.7	147.8	145.7	144.4	143.6	144.5	146.0
64°	153.7	152.4	151.0	149.1	148.4	145.8	143.5	142.4	141.5	142.1	144.1
64.5°	151.9	150.4	149.3	147.3	146.2	143.8	141.2	140.4	139.6	139.9	141.8
65°	150.1	148.6	147.4	145.5	144.4	141.7	139.2	138.3	137.9	138.1	139.8
65.5°	148.1	146.9	145.5	143.3	142.8	139.8	137.3	136.3	136.2	136.5	137.8
66°	146.2	145.0	143.4	141.2	141.0	138.0	135.5	134.5	134.0	134.7	136.1
66.5°	144.2	142.9	141.3	139.4	138.9	136.1	133.6	132.6	132.0	132.6	134.1
67°	142.2	141.0	139.3	137.5	136.8	134.0	131.7	130.8	130.2	130.7	132.5



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	140.1	139.1	137.4	135.4	134.7	132.1	129.7	128.8	128.4	128.8	130.7
68°	138.1	137.3	135.5	133.3	132.7	130.6	127.6	126.9	126.6	127.1	128.5
68.5°	136.5	135.6	133.4	131.7	131.0	128.7	125.8	125.0	124.7	125.3	126.6
69°	134.7	133.5	131.6	130.0	128.9	126.7	124.3	123.2	122.6	123.5	125.0
69.5°	132.9	131.5	129.7	128.1	127.1	124.5	122.6	121.2	120.8	121.5	123.4
70°	130.7	129.3	128.2	125.9	125.2	122.5	120.5	119.3	119.0	119.6	121.5
70.5°	128.7	127.5	126.6	124.0	123.4	120.8	118.3	117.5	117.1	117.8	119.5
71°	126.9	125.7	124.7	122.2	121.5	119.0	116.3	115.8	115.0	116.0	117.5
71.5°	125.1	124.0	122.5	120.5	119.7	117.0	114.4	113.9	113.1	114.3	115.6
72°	123.2	122.1	120.3	118.8	117.7	114.8	112.7	112.0	111.5	112.6	113.9
72.5°	121.5	120.2	118.6	116.9	115.9	112.9	110.9	110.2	109.8	110.6	112.1
73°	119.4	118.1	117.0	115.0	114.2	111.5	109.2	108.4	107.9	108.5	110.2
73.5°	117.7	116.2	115.3	113.1	112.2	109.9	107.5	106.4	106.0	106.7	108.3
74°	115.7	114.6	113.4	111.2	110.2	108.0	105.7	104.5	104.3	105.1	106.8
74.5°	113.8	112.7	111.4	109.2	108.4	106.1	103.8	102.8	102.6	103.5	105.5
75°	112.0	111.0	109.5	107.5	106.7	104.1	102.1	101.2	100.9	101.8	103.7
75.5°	110.3	109.2	107.8	105.9	105.0	102.4	100.2	99.5	99.2	99.9	101.8
76°	108.6	107.5	106.1	104.2	103.3	100.5	98.5	97.8	97.3	98.1	99.8
76.5°	106.8	106.0	104.5	102.7	101.4	98.8	96.7	96.0	95.6	96.6	98.0
77°	104.9	104.1	102.8	100.7	99.6	97.3	95.0	94.3	93.8	95.2	96.6
77.5°	103.1	102.1	100.8	98.8	97.8	95.7	93.2	92.7	92.2	93.6	95.0
78°	101.3	100.3	98.8	96.9	96.2	93.9	91.6	91.0	90.6	91.6	93.3
78.5°	99.6	98.8	97.2	95.4	94.5	92.0	90.0	89.2	89.2	89.8	91.6
79°	98.0	97.3	95.6	94.0	92.8	90.3	88.3	87.5	87.6	88.0	90.0
79.5°	96.4	95.6	94.0	92.5	91.1	88.8	86.6	85.8	85.9	86.6	88.4
80°	94.7	93.6	92.3	90.8	89.4	87.3	85.0	84.4	84.2	85.4	86.8
80.5°	93.2	92.0	90.6	89.1	87.9	85.8	83.6	83.0	82.7	83.8	85.2
81°	91.4	90.4	89.1	87.4	86.4	84.2	82.2	81.5	81.1	82.1	83.7
81.5°	89.7	88.8	87.4	85.8	84.7	82.6	80.4	79.8	79.6	80.5	82.2
82°	88.0	87.2	85.9	84.3	83.1	80.9	78.7	78.1	78.3	79.0	80.6
82.5°	86.4	85.6	84.3	82.8	81.7	79.4	77.4	76.6	76.8	77.5	79.0
83°	84.8	83.9	82.9	81.3	80.2	77.9	76.1	75.3	75.4	76.1	77.5
83.5°	83.4	82.5	81.4	79.8	78.7	76.5	74.9	74.2	74.0	74.9	76.3
84°	81.9	81.1	80.0	78.3	77.1	75.1	73.5	72.8	72.3	73.6	75.0
84.5°	80.3	79.5	78.5	76.9	75.6	73.8	71.9	71.4	71.1	72.1	73.8
85°	78.9	77.9	77.0	75.5	74.4	72.3	70.3	69.9	69.8	70.5	72.2
85.5°	77.3	76.5	75.6	74.0	73.0	71.0	69.1	68.5	68.5	69.3	70.8
86°	75.9	75.3	74.5	72.8	71.6	69.6	67.8	67.0	67.1	68.2	69.3
86.5°	74.5	73.9	73.1	71.6	70.2	68.3	66.6	65.8	65.7	67.0	68.1
87°	73.1	72.5	71.7	70.2	68.6	66.8	65.3	64.5	64.4	65.6	67.0
87.5°	71.9	71.2	70.2	68.9	67.4	65.5	64.0	63.4	63.4	64.2	65.8
88°	70.6	69.9	68.9	67.6	66.1	64.3	62.8	62.2	62.3	62.9	64.4
88.5°	69.2	68.4	67.6	66.3	64.9	63.1	61.6	60.9	61.0	61.8	63.2
89°	67.7	67.2	66.4	65.0	63.7	61.8	60.4	59.7	59.8	60.7	61.9
89.5°	66.5	65.9	65.1	63.8	62.4	60.6	59.1	58.6	58.6	59.6	60.6



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	65.3	64.8	63.8	62.5	61.2	59.3	58.0	57.5	57.4	58.3	59.6
90.5°	64.2	63.5	62.6	61.4	60.1	58.2	56.9	56.4	56.3	57.2	58.6
91°	62.9	62.3	61.5	60.3	58.8	57.2	55.8	55.3	55.3	56.2	57.5
91.5°	61.5	61.1	60.4	59.2	57.5	56.1	54.6	54.3	54.2	55.1	56.3
92°	60.4	59.9	59.4	58.1	56.4	55.1	53.5	53.1	53.1	54.1	55.2
92.5°	59.3	58.8	58.2	56.9	55.4	53.9	52.6	52.0	52.1	53.1	54.2
93°	58.3	57.7	56.9	55.7	54.5	52.8	51.6	51.0	51.0	52.0	53.2
93.5°	57.3	56.6	55.8	54.7	53.4	51.8	50.5	50.0	50.1	51.0	52.2
94°	56.1	55.5	54.9	53.7	52.3	50.8	49.7	49.1	49.3	50.0	51.2
94.5°	54.9	54.6	53.9	52.8	51.1	50.0	48.6	48.3	48.4	49.1	50.2
95°	53.9	53.6	52.7	51.8	50.2	48.8	47.7	47.3	47.4	48.2	49.2
95.5°	52.9	52.4	51.6	50.7	49.2	47.8	46.9	46.5	46.5	47.3	48.2
96°	52.0	51.3	50.7	49.6	48.4	47.1	46.2	45.7	45.7	46.5	47.4
96.5°	51.0	50.5	49.9	48.7	47.4	46.4	45.4	44.7	44.9	45.7	46.7
97°	49.9	49.6	49.1	47.9	46.6	45.5	44.3	43.9	44.0	44.8	46.0
97.5°	49.0	48.8	48.2	47.1	45.6	44.5	43.4	43.0	43.2	44.1	45.1
98°	48.2	47.9	47.3	46.2	44.7	43.6	42.7	42.3	42.6	43.2	44.0
98.5°	47.4	47.1	46.4	45.3	44.0	42.8	41.9	41.5	41.8	42.4	43.2
99°	46.5	46.1	45.5	44.7	43.2	42.0	41.1	40.7	41.0	41.6	42.7
99.5°	45.7	45.2	44.7	43.8	42.4	41.3	40.3	40.2	40.2	40.9	41.9
100°	44.8	44.5	43.9	42.9	41.5	40.5	39.6	39.4	39.4	40.2	41.2
100.5°	44.1	43.7	43.2	42.1	40.7	39.8	38.9	38.6	38.9	39.5	40.4
101°	43.2	42.8	42.3	41.4	40.2	39.0	38.3	38.0	38.4	38.8	39.6
101.5°	42.5	41.9	41.6	40.7	39.4	38.3	37.5	37.3	37.6	38.4	38.9
102°	41.8	41.2	40.8	40.0	38.7	37.5	36.8	36.7	36.9	37.6	38.4
102.5°	41.1	40.6	40.0	39.4	37.9	36.9	36.2	36.1	36.2	36.9	37.6
103°	40.1	40.0	39.3	38.7	37.2	36.2	35.7	35.5	36.0	36.3	37.0
103.5°	39.5	39.4	38.7	38.0	36.6	35.8	35.1	34.9	35.1	35.8	36.5
104°	38.9	38.3	38.1	37.3	36.0	35.1	34.6	34.4	34.6	35.1	35.8
104.5°	38.4	37.6	37.4	36.6	35.5	34.3	33.9	34.0	34.1	34.8	35.3
105°	37.8	37.1	36.7	36.2	34.9	33.9	33.3	33.2	33.5	34.1	34.8
105.5°	37.0	36.6	36.2	35.6	34.2	33.4	32.6	32.6	33.0	33.5	34.1
106°	36.4	36.1	35.5	34.9	33.6	32.8	32.3	32.4	32.5	33.1	33.7
106.5°	35.9	35.5	35.0	34.4	33.1	32.3	32.0	31.7	32.2	32.5	33.1
107°	35.3	34.9	34.5	33.8	32.5	31.8	31.3	31.4	31.5	32.4	32.7
107.5°	34.7	34.4	34.0	33.3	32.2	31.4	30.9	30.9	31.2	31.5	32.3
108°	34.1	33.8	33.5	32.9	31.5	30.8	30.4	30.5	30.6	31.2	31.6
108.5°	33.7	33.3	33.0	32.6	31.1	30.3	29.9	29.9	30.2	30.7	31.3
109°	33.2	32.9	32.4	32.0	30.7	29.9	29.3	29.5	29.7	30.3	30.7
109.5°	32.8	32.3	32.0	31.4	30.3	29.6	28.9	29.0	29.4	29.9	30.5
110°	32.3	31.8	31.5	30.9	29.6	29.0	28.7	28.8	28.9	29.5	30.0
110.5°	31.8	31.4	31.1	30.4	29.3	28.8	28.3	28.5	28.9	29.1	29.5
111°	31.3	31.0	30.6	30.1	28.9	28.3	27.8	28.0	28.2	28.9	29.1
111.5°	30.9	30.5	30.2	29.7	28.8	27.8	27.4	27.6	27.9	28.6	28.8
112°	30.4	30.1	29.8	29.3	28.1	27.5	27.1	27.1	27.6	27.9	28.8



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	30.2	29.8	29.4	29.0	27.8	27.1	26.9	27.0	27.2	27.8	28.2
113°	29.8	29.3	29.1	28.6	27.3	26.9	26.5	26.6	27.0	27.3	27.7
113.5°	29.4	29.0	28.7	28.2	27.0	26.4	26.1	26.3	26.6	27.1	27.7
114°	29.1	28.7	28.4	27.9	26.7	26.2	26.0	26.1	26.3	26.9	27.2
114.5°	28.7	28.4	28.1	27.6	26.3	26.0	25.5	25.6	26.3	26.6	27.2
115°	28.4	28.1	27.7	27.3	26.2	25.5	25.3	25.4	26.0	26.6	26.6
115.5°	28.1	27.7	27.4	27.0	25.9	25.2	25.1	25.4	25.5	26.1	26.4
116°	27.9	27.4	27.2	26.7	25.5	25.2	24.8	25.3	25.3	25.9	26.1
116.5°	27.5	27.1	26.9	26.4	25.2	25.1	24.4	24.8	25.3	25.4	26.1
117°	27.2	26.8	26.6	26.2	25.2	24.6	24.4	24.5	25.0	25.3	25.7
117.5°	26.9	26.7	26.3	26.0	24.7	24.4	24.3	24.3	24.8	25.2	25.4
118°	26.7	26.4	26.1	25.8	24.6	24.4	24.2	24.3	24.6	25.1	25.2
118.5°	26.5	26.2	25.8	25.6	24.3	24.2	23.8	24.1	24.4	24.7	25.2
119°	26.3	26.0	25.7	25.4	24.2	24.1	23.7	23.9	24.3	24.7	25.0
119.5°	26.2	25.8	25.5	25.2	24.0	23.6	23.4	23.7	24.2	24.5	24.7
120°	25.9	25.6	25.2	25.1	23.8	23.4	23.4	23.5	23.9	24.5	24.6
120.5°	25.7	25.4	25.1	24.8	23.6	23.4	23.4	23.5	23.9	24.5	24.5
121°	25.5	25.2	24.9	24.7	23.6	23.4	23.4	23.4	23.7	24.3	24.3
121.5°	25.4	25.1	24.8	24.6	23.5	23.4	23.3	23.4	23.7	24.0	24.3
122°	25.2	25.0	24.6	24.5	23.5	23.4	23.2	23.4	23.8	23.9	24.3
122.5°	25.1	24.8	24.6	24.3	23.4	23.3	23.2	23.4	23.7	23.9	24.2
123°	24.9	24.6	24.5	24.3	23.3	23.3	23.2	23.3	23.7	24.0	24.1
123.5°	24.7	24.5	24.3	24.2	23.3	23.3	23.2	23.3	23.7	23.9	24.0
124°	24.7	24.4	24.2	24.1	23.2	23.3	23.2	23.3	23.8	23.9	24.0
124.5°	24.5	24.3	24.0	24.0	23.2	23.3	23.2	23.3	23.7	23.9	24.0
125°	24.5	24.2	24.0	23.9	23.2	23.3	23.2	23.3	23.7	23.9	24.0
125.5°	24.4	24.2	24.0	23.8	23.2	23.3	23.2	23.3	23.7	23.9	24.0
126°	24.4	24.0	23.9	23.8	23.2	23.3	23.2	23.3	23.7	24.0	24.0
126.5°	24.4	24.1	23.9	23.8	23.2	23.3	23.2	23.3	23.7	24.0	24.0
127°	24.2	24.0	23.9	23.8	23.2	23.3	23.2	23.3	23.7	24.0	24.0
127.5°	24.2	24.0	23.8	23.8	23.3	23.3	23.3	23.4	23.8	24.0	24.0
128°	24.2	24.0	23.8	23.8	23.4	23.3	23.3	23.4	23.8	24.1	24.0
128.5°	24.2	23.9	23.8	23.8	23.4	23.4	23.3	23.5	23.8	24.1	24.0
129°	24.2	23.9	23.8	23.8	23.5	23.4	23.4	23.6	23.8	24.2	24.0
129.5°	24.2	23.9	23.8	23.8	23.6	23.4	23.6	23.5	23.9	24.2	24.2
130°	24.1	23.9	23.8	23.8	23.5	23.4	23.7	23.7	23.9	24.2	24.4
130.5°	24.1	23.8	23.8	23.8	23.5	23.5	23.7	23.7	24.1	24.2	24.4
131°	24.1	23.8	23.8	23.8	23.7	23.7	23.7	23.8	24.2	24.3	24.4
131.5°	24.1	23.8	23.8	23.8	23.7	23.8	23.8	23.8	24.2	24.4	24.4
132°	24.1	23.8	23.8	23.8	23.8	23.9	23.9	23.9	24.3	24.5	24.5
132.5°	24.1	23.8	23.8	23.8	23.9	23.9	24.0	24.1	24.4	24.6	24.5
133°	24.1	23.8	23.8	23.8	24.0	24.0	24.2	24.2	24.5	24.7	24.6
133.5°	24.1	23.9	23.8	24.0	24.1	24.1	24.3	24.4	24.7	24.8	24.6
134°	24.2	23.9	23.8	24.2	24.1	24.3	24.4	24.4	24.9	24.8	24.8
134.5°	24.1	23.9	24.1	24.4	24.4	24.5	24.5	24.6	24.9	24.9	24.9



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	24.1	23.9	24.3	24.3	24.5	24.6	24.7	24.7	25.1	25.0	25.0
135.5°	24.4	24.2	24.3	24.3	24.7	24.7	24.9	24.9	25.2	25.3	25.0
136°	24.4	24.3	24.4	24.5	24.8	24.9	25.1	25.0	25.3	25.5	25.1
136.5°	24.4	24.3	24.5	24.7	24.9	25.0	25.2	25.2	25.4	25.6	25.2
137°	24.5	24.5	24.8	25.0	25.0	25.2	25.2	25.3	25.6	25.6	25.2
137.5°	24.7	24.6	25.0	25.2	25.1	25.4	25.4	25.4	25.7	25.8	25.5
138°	24.8	24.7	25.2	25.2	25.3	25.4	25.5	25.7	25.8	25.9	25.7
138.5°	24.8	25.0	25.2	25.2	25.5	25.6	25.7	25.8	25.9	25.9	25.9
139°	25.2	25.2	25.2	25.3	25.7	25.8	25.8	25.9	26.2	26.1	26.0
139.5°	25.4	25.3	25.3	25.5	25.7	25.9	26.0	26.0	26.3	26.2	26.1
140°	25.3	25.3	25.5	25.7	25.9	26.0	26.1	26.2	26.4	26.5	26.3
140.5°	25.5	25.3	25.6	25.9	26.1	26.1	26.3	26.4	26.5	26.7	26.5
141°	25.5	25.5	25.7	26.1	26.2	26.2	26.4	26.5	26.6	26.9	26.6
141.5°	25.6	25.6	26.0	26.2	26.3	26.3	26.6	26.5	26.7	26.9	26.7
142°	25.7	25.7	26.1	26.2	26.5	26.6	26.6	26.6	26.9	27.0	27.0
142.5°	26.1	26.2	26.1	26.4	26.6	26.7	26.9	26.8	27.0	27.1	27.1
143°	26.2	26.2	26.2	26.6	26.7	26.8	27.0	26.8	27.0	27.2	27.2
143.5°	26.3	26.2	26.3	26.9	26.7	26.8	27.0	26.9	27.0	27.3	27.3
144°	26.3	26.2	26.4	26.9	26.8	26.9	27.0	27.0	27.1	27.3	27.4
144.5°	26.3	26.2	26.5	26.9	27.0	27.1	27.0	27.1	27.1	27.3	27.3
145°	26.3	26.2	26.6	26.9	27.0	27.1	27.0	27.1	27.1	27.3	27.3
145.5°	26.3	26.2	26.5	26.9	27.0	27.1	27.0	27.0	27.1	27.3	27.3
146°	26.4	26.4	26.7	26.9	27.1	27.1	27.0	27.1	27.1	27.3	27.3
146.5°	26.7	26.5	27.0	26.9	27.1	27.0	27.0	27.1	27.1	27.3	27.3
147°	26.7	26.6	27.0	26.9	27.0	27.0	26.9	27.0	27.1	27.3	27.4
147.5°	26.7	26.6	27.0	26.9	26.9	27.0	26.9	26.8	27.1	27.3	27.4
148°	26.7	26.6	27.0	27.0	26.5	27.0	26.9	26.6	27.0	27.3	27.3
148.5°	26.7	26.6	27.1	27.0	26.5	26.5	26.9	26.6	27.0	27.3	27.3
149°	26.7	26.7	27.1	27.0	26.6	26.5	26.6	26.4	27.0	27.3	27.3
149.5°	26.7	26.7	27.0	27.0	26.5	26.4	26.5	26.4	27.0	27.1	27.2
150°	26.7	26.7	27.0	27.0	26.5	26.3	26.3	26.3	27.0	27.1	27.1
150.5°	26.7	26.7	27.1	27.0	26.5	26.3	26.2	26.3	26.6	27.1	27.1
151°	26.7	26.7	27.1	27.0	26.5	26.3	26.2	26.3	26.4	27.1	27.1
151.5°	26.7	26.7	27.0	27.0	26.3	26.2	26.2	26.3	26.4	27.1	27.1
152°	26.7	26.6	27.0	27.0	26.3	26.1	26.1	26.3	26.4	27.0	27.0
152.5°	26.7	26.6	26.8	27.0	26.2	26.1	26.1	26.3	26.4	27.0	27.0
153°	26.7	26.5	26.8	26.9	26.2	26.1	26.1	26.3	26.3	27.0	27.0
153.5°	26.7	26.5	26.8	26.9	26.2	26.1	26.1	26.3	26.3	27.0	27.0
154°	26.7	26.5	26.8	26.9	26.2	26.1	26.1	26.3	26.3	26.9	27.0
154.5°	26.7	26.5	26.7	26.8	26.2	26.1	26.1	26.3	26.3	26.9	27.0
155°	26.6	26.5	26.6	26.8	26.2	26.1	26.2	26.3	26.3	26.9	27.0
155.5°	26.6	26.5	26.6	26.8	26.2	26.1	26.2	26.3	26.3	26.9	27.0
156°	26.6	26.5	26.6	26.8	26.2	26.1	26.1	26.3	26.3	26.9	27.0
156.5°	26.7	26.5	26.7	26.8	26.2	26.1	26.1	26.3	26.3	26.9	27.0
157°	26.5	26.5	26.6	26.8	26.2	26.1	26.1	26.3	26.3	26.7	27.0



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	26.5	26.4	26.6	26.7	26.2	26.1	26.1	26.1	26.3	26.5	27.0
158°	26.5	26.2	26.6	26.6	26.2	26.1	26.0	26.1	26.3	26.4	27.0
158.5°	26.5	26.2	26.4	26.5	26.2	26.1	26.0	26.0	26.3	26.4	26.9
159°	26.4	26.1	26.2	26.4	26.2	26.1	25.9	25.9	26.2	26.4	26.6
159.5°	26.2	26.1	26.1	26.3	26.2	26.1	25.8	25.6	25.9	26.4	26.5
160°	26.1	26.0	26.0	26.2	26.2	26.1	25.6	25.4	25.7	26.2	26.2
160.5°	26.2	25.9	26.0	26.2	25.9	26.0	25.4	25.3	25.4	26.2	26.1
161°	26.0	25.7	25.9	26.2	25.6	25.6	25.3	25.3	25.3	26.0	26.1
161.5°	25.9	25.7	25.9	26.0	25.6	25.5	25.2	25.3	25.3	25.7	26.1
162°	25.9	25.6	25.7	25.9	25.4	25.3	25.2	24.9	25.3	25.6	26.1
162.5°	25.8	25.6	25.6	25.7	25.3	25.2	25.1	24.7	25.1	25.4	25.7
163°	25.7	25.5	25.5	25.6	25.3	25.2	25.0	24.6	24.8	25.2	25.5
163.5°	25.7	25.3	25.4	25.5	25.3	25.2	24.8	24.5	24.7	25.3	25.4
164°	25.6	25.2	25.3	25.3	24.8	24.8	24.7	24.4	24.6	25.1	25.3
164.5°	25.4	25.1	25.1	25.2	24.7	24.6	24.4	24.4	24.4	24.8	25.2
165°	25.4	25.0	24.9	25.0	24.6	24.5	24.2	24.2	24.4	24.5	25.2
165.5°	25.2	24.7	24.7	24.8	24.5	24.4	24.2	24.0	24.2	24.4	25.0
166°	25.0	24.6	24.5	24.6	24.4	24.3	23.8	23.8	23.9	24.3	24.5
166.5°	24.8	24.4	24.4	24.5	24.3	24.3	23.7	23.7	23.8	23.9	24.3
167°	24.7	24.2	24.1	24.3	24.1	24.1	23.5	23.5	23.5	23.7	24.2
167.5°	24.5	24.0	23.9	24.0	23.8	23.7	23.3	23.5	23.4	23.7	23.9
168°	24.2	23.7	23.5	23.6	23.3	23.3	22.9	23.0	23.3	23.5	23.7
168.5°	24.0	23.5	23.2	23.3	22.8	22.8	22.6	22.7	22.9	23.1	23.4
169°	23.6	23.1	22.8	22.9	22.6	22.7	22.5	22.7	22.8	23.0	23.0
169.5°	23.4	22.9	22.7	22.7	22.5	22.5	22.6	22.7	22.8	23.0	23.1
170°	23.3	22.9	22.7	22.7	22.5	22.5	22.6	22.7	22.8	23.0	23.1
170.5°	23.3	22.9	22.7	22.7	22.5	22.5	22.6	22.7	22.9	23.0	23.1
171°	23.6	23.5	23.8	23.7	22.9	22.8	22.9	23.0	23.1	23.1	23.1
171.5°	24.8	24.9	25.2	25.1	24.4	23.9	24.0	24.2	24.1	24.0	23.6
172°	26.2	26.4	26.4	26.3	25.8	25.4	25.6	25.7	25.5	25.3	24.9
172.5°	27.1	27.2	27.2	27.1	27.1	26.9	27.1	27.3	27.1	26.7	26.2
173°	27.8	27.8	27.8	27.8	28.0	27.8	28.1	28.3	27.9	27.6	27.3
173.5°	28.6	28.2	28.0	28.0	28.6	28.4	28.6	28.9	28.7	28.4	28.0
174°	28.9	28.9	28.4	28.3	29.1	28.8	29.1	29.2	29.2	28.9	28.7
174.5°	28.9	28.9	28.8	28.9	29.3	29.2	29.2	29.2	29.2	28.9	28.9
175°	28.9	28.9	29.0	28.9	29.4	29.3	29.2	29.2	29.1	28.9	28.8
175.5°	28.9	28.9	28.9	28.9	29.6	29.5	29.2	29.2	29.1	28.9	28.8
176°	29.0	28.9	28.9	28.9	29.6	29.5	29.2	29.2	29.1	28.9	28.8
176.5°	29.0	28.9	28.9	28.9	29.6	29.6	29.2	29.2	29.1	28.9	28.8
177°	29.0	28.9	28.9	28.9	29.7	29.6	29.2	29.2	29.1	28.9	28.8
177.5°	29.0	28.9	28.9	28.9	29.7	29.5	29.2	29.2	29.1	28.9	28.8
178°	29.0	28.9	28.9	28.9	29.7	29.5	29.2	29.2	29.1	28.9	28.8
178.5°	29.0	28.9	28.9	28.9	29.8	29.5	29.2	29.2	29.1	28.9	28.8
179°	29.0	28.9	28.9	28.9	29.8	29.6	29.2	29.2	29.1	28.9	28.8
179.5°	29.0	28.9	28.9	29.0	29.8	29.6	29.2	29.2	29.1	28.9	28.8



TEST NUMBER: P601039
CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	303.8	303.8	303.8	303.8	303.8	303.8
0.5°	303.8	303.8	303.9	303.0	304.0	303.8
1°	303.8	303.8	303.6	302.9	304.0	304.0
1.5°	303.2	303.8	303.6	303.0	304.0	304.6
2°	302.5	303.8	303.6	303.2	304.1	305.2
2.5°	302.1	303.8	303.6	303.4	304.1	305.4
3°	302.2	303.9	303.6	303.4	304.0	305.1
3.5°	302.4	303.9	303.5	302.6	304.0	304.6
4°	303.0	303.3	303.3	302.5	304.5	304.4
4.5°	303.0	302.9	302.9	302.5	304.5	304.3
5°	302.6	302.8	302.8	302.4	304.5	304.2
5.5°	301.6	302.7	302.8	302.4	304.2	304.1
6°	300.9	302.7	302.9	302.0	303.8	303.6
6.5°	300.8	302.7	302.8	301.7	303.1	303.5
7°	300.8	302.8	302.0	301.7	302.9	303.4
7.5°	300.7	302.0	301.6	301.7	303.0	303.4
8°	300.2	301.3	301.6	301.7	303.1	303.4
8.5°	299.6	301.1	301.6	301.0	303.2	303.0
9°	299.2	300.9	301.6	300.2	302.3	302.5
9.5°	298.6	300.5	300.9	300.0	301.3	301.9
10°	298.1	300.3	300.2	300.0	301.0	301.8
10.5°	298.0	299.9	299.6	300.0	301.0	301.8
11°	297.6	298.9	299.4	299.9	301.0	301.8
11.5°	297.1	298.0	299.0	299.4	301.0	301.1
12°	296.1	297.6	298.3	298.9	300.6	300.3
12.5°	295.3	297.6	298.0	297.9	299.7	299.5
13°	294.7	297.5	297.7	296.9	299.4	298.9
13.5°	294.5	296.6	296.8	296.3	299.2	298.8
14°	293.9	295.6	295.6	296.2	298.4	298.8
14.5°	293.9	295.1	295.0	296.2	297.4	298.6
15°	293.5	294.9	294.8	296.3	296.9	297.6
15.5°	292.3	294.3	294.7	296.0	296.5	296.3
16°	291.2	293.1	294.6	293.8	296.2	295.1
16.5°	290.3	292.4	294.1	292.5	295.9	294.7
17°	290.1	292.0	292.5	292.0	295.0	294.7
17.5°	289.7	291.7	291.0	291.7	293.8	294.7
18°	289.2	291.0	290.5	291.7	292.9	294.3
18.5°	288.3	289.4	290.5	291.4	292.2	292.9
19°	287.3	288.0	290.5	290.4	291.5	291.8
19.5°	285.9	287.2	289.4	289.1	290.4	291.1
20°	284.8	286.9	287.4	288.2	289.7	290.5
20.5°	284.1	286.3	285.9	287.7	289.1	289.6
21°	283.9	285.1	285.8	286.6	288.3	288.4
21.5°	283.4	283.4	285.8	285.1	287.3	287.4
22°	282.3	282.9	285.3	284.1	286.4	286.8



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	280.6	282.3	283.8	283.7	285.9	286.0
23°	279.5	281.5	282.1	283.1	285.4	285.2
23.5°	279.2	280.3	281.0	281.9	284.3	284.5
24°	278.2	278.9	279.9	281.1	282.6	283.3
24.5°	276.6	278.0	279.1	280.3	281.4	282.3
25°	274.9	277.0	278.6	279.3	280.9	281.7
25.5°	273.5	275.6	277.6	278.2	280.0	280.8
26°	272.9	274.6	276.0	276.8	278.6	279.2
26.5°	272.6	274.2	275.0	275.5	277.5	277.5
27°	271.6	273.7	274.3	274.5	276.9	276.5
27.5°	270.0	272.5	273.5	273.6	275.9	276.0
28°	268.3	270.6	271.7	272.6	274.3	275.3
28.5°	267.0	268.9	270.1	271.6	272.8	274.4
29°	266.2	268.0	269.1	270.5	271.9	273.0
29.5°	265.3	267.2	268.4	269.2	271.0	271.6
30°	264.2	266.2	267.6	267.9	270.0	270.3
30.5°	262.6	264.6	266.3	266.9	268.7	269.3
31°	261.0	263.0	264.6	265.7	267.5	268.0
31.5°	259.6	261.5	262.6	264.0	266.6	266.2
32°	258.2	260.1	261.1	262.3	265.6	264.2
32.5°	256.6	259.0	260.3	261.1	264.2	262.8
33°	255.0	257.9	259.0	260.1	262.2	262.0
33.5°	253.9	256.3	257.5	258.9	260.5	261.4
34°	252.8	254.3	256.1	257.4	259.2	260.5
34.5°	251.4	252.8	254.7	255.8	258.0	258.7
35°	249.6	251.7	253.5	254.4	256.5	256.8
35.5°	248.0	250.5	252.1	253.6	255.2	255.1
36°	247.0	249.1	250.9	252.7	254.0	253.5
36.5°	246.0	247.6	249.3	251.3	252.3	252.2
37°	244.7	245.8	247.5	249.2	250.3	250.8
37.5°	243.1	244.3	245.9	247.5	248.9	249.5
38°	240.7	242.8	244.3	246.2	247.7	248.4
38.5°	238.4	241.1	242.8	244.9	246.5	247.1
39°	237.3	239.3	241.6	243.2	245.2	245.3
39.5°	236.6	237.6	240.0	241.3	243.7	243.3
40°	235.0	236.0	238.5	239.5	241.7	241.6
40.5°	232.8	234.8	236.7	238.0	239.8	240.3
41°	230.4	233.2	234.7	236.8	238.1	238.9
41.5°	228.6	231.2	233.0	235.2	236.8	237.1
42°	227.4	229.1	231.9	233.8	235.4	235.2
42.5°	225.9	227.6	230.5	232.2	233.5	233.4
43°	224.2	226.1	228.3	230.6	231.8	232.3
43.5°	222.5	224.5	226.1	228.7	230.4	231.0
44°	220.7	222.4	224.4	226.8	228.6	228.7
44.5°	219.0	220.7	222.9	224.7	226.8	226.2



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	217.0	219.1	221.4	223.0	225.4	224.6
45.5°	215.1	217.6	220.0	221.3	223.7	223.4
46°	213.5	216.1	218.0	219.6	221.7	222.1
46.5°	211.9	214.2	216.2	217.8	219.7	220.7
47°	210.1	212.0	214.5	216.5	218.1	218.6
47.5°	208.2	210.1	212.9	215.2	216.8	216.5
48°	206.3	208.5	211.0	213.6	215.2	214.5
48.5°	204.3	207.0	209.3	211.1	213.0	212.5
49°	202.6	205.1	207.5	208.6	211.0	210.7
49.5°	201.0	202.8	205.9	206.8	209.4	209.2
50°	199.2	200.6	203.5	205.4	207.8	207.8
50.5°	197.0	198.9	201.5	204.1	206.0	206.1
51°	195.3	197.6	199.8	202.6	203.8	203.9
51.5°	193.7	195.9	197.8	200.3	201.8	202.0
52°	191.7	193.6	196.0	197.8	200.0	199.8
52.5°	189.7	191.3	194.1	195.7	198.0	197.6
53°	187.9	189.5	192.3	194.2	196.0	195.9
53.5°	186.2	187.9	190.3	192.7	194.0	194.3
54°	184.0	186.3	188.6	191.3	192.0	192.7
54.5°	182.1	184.8	186.8	189.3	190.1	190.9
55°	180.6	182.8	185.0	187.4	188.7	188.9
55.5°	178.8	180.3	182.9	185.3	187.0	187.0
56°	176.9	178.2	180.9	183.5	185.0	185.2
56.5°	175.0	176.5	179.1	181.5	182.9	183.0
57°	172.7	174.9	177.7	179.6	180.8	180.8
57.5°	170.7	172.8	176.0	177.5	179.2	179.2
58°	168.9	170.8	173.7	175.5	177.7	177.7
58.5°	167.2	168.7	171.8	173.7	175.9	175.8
59°	165.4	166.9	170.1	171.7	173.7	173.6
59.5°	163.2	165.3	168.2	169.9	171.7	171.5
60°	160.8	163.7	166.1	168.0	169.6	169.3
60.5°	158.8	161.5	164.0	166.2	167.8	167.1
61°	157.2	159.3	162.3	164.4	165.8	165.3
61.5°	155.9	157.2	160.5	162.3	163.9	163.5
62°	154.2	155.4	158.5	160.3	162.1	161.7
62.5°	151.7	153.5	156.4	158.3	160.3	159.8
63°	149.2	151.6	154.4	156.5	158.4	157.6
63.5°	147.1	149.7	152.5	154.6	156.4	155.6
64°	145.8	147.9	150.6	152.6	154.4	153.7
64.5°	144.4	146.2	148.6	150.6	152.3	151.9
65°	142.6	144.2	146.8	149.0	150.2	150.1
65.5°	140.3	142.2	145.0	147.0	147.9	148.1
66°	138.0	140.1	143.3	145.1	146.0	146.2
66.5°	136.1	138.2	141.3	143.2	144.3	144.2
67°	134.6	136.3	139.3	141.2	142.5	142.2



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	132.9	134.6	137.4	139.1	140.4	140.1
68°	131.2	132.7	135.5	137.2	138.7	138.1
68.5°	128.9	130.7	133.6	135.4	136.9	136.5
69°	127.0	128.7	131.7	133.6	135.0	134.7
69.5°	125.1	126.9	129.7	131.8	132.9	132.9
70°	123.4	125.2	128.0	129.7	131.1	130.7
70.5°	121.6	123.5	126.1	128.1	129.1	128.7
71°	120.0	121.6	124.2	126.3	127.1	126.9
71.5°	118.2	119.7	122.4	124.5	125.3	125.1
72°	116.3	118.0	120.5	122.7	123.4	123.2
72.5°	114.2	116.2	118.7	120.9	121.7	121.5
73°	112.3	114.4	116.8	119.0	120.0	119.4
73.5°	110.6	112.6	115.1	117.1	118.4	117.7
74°	109.0	110.9	113.3	115.0	116.3	115.7
74.5°	107.4	109.0	111.6	113.1	114.3	113.8
75°	105.7	107.2	109.9	111.5	112.3	112.0
75.5°	103.8	105.4	108.0	109.9	110.6	110.3
76°	102.2	103.9	106.1	108.3	108.9	108.6
76.5°	100.6	102.1	104.4	106.3	107.1	106.8
77°	98.8	100.4	102.8	104.4	105.2	104.9
77.5°	97.1	98.6	101.2	102.6	103.6	103.1
78°	95.5	96.8	99.5	100.9	101.8	101.3
78.5°	93.8	95.1	97.7	99.5	100.2	99.6
79°	92.1	93.5	96.1	98.0	98.6	98.0
79.5°	90.3	92.1	94.5	96.1	96.8	96.4
80°	88.7	90.5	93.1	94.2	94.9	94.7
80.5°	87.3	88.7	91.4	92.6	93.2	93.2
81°	85.8	87.0	89.6	91.0	91.7	91.4
81.5°	84.3	85.5	87.7	89.5	90.3	89.7
82°	82.7	84.2	86.4	87.7	88.6	88.0
82.5°	81.1	82.7	85.0	86.1	86.7	86.4
83°	79.5	81.1	83.4	84.6	85.1	84.8
83.5°	78.1	79.6	82.0	83.0	83.6	83.4
84°	76.7	78.3	80.3	81.6	82.2	81.9
84.5°	75.4	77.0	78.8	80.2	80.7	80.3
85°	74.1	75.8	77.4	78.7	79.3	78.9
85.5°	72.6	74.2	76.1	77.0	77.7	77.3
86°	71.2	72.7	75.0	75.6	76.2	75.9
86.5°	69.9	71.3	73.5	74.5	75.1	74.5
87°	68.5	70.0	71.9	73.3	73.8	73.1
87.5°	67.4	69.0	70.7	72.0	72.3	71.9
88°	66.2	67.7	69.5	70.7	70.8	70.6
88.5°	65.0	66.3	68.3	69.1	69.4	69.2
89°	63.7	65.0	67.1	67.9	68.3	67.7
89.5°	62.3	63.9	65.6	66.6	67.0	66.5



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	61.1	62.8	64.6	65.5	65.8	65.3
90.5°	60.2	61.7	63.3	64.4	64.5	64.2
91°	59.0	60.4	62.2	63.1	63.3	62.9
91.5°	57.9	59.2	61.0	61.8	62.1	61.5
92°	56.8	58.1	59.7	60.6	61.0	60.4
92.5°	55.6	57.0	58.6	59.6	59.7	59.3
93°	54.5	56.1	57.6	58.7	58.7	58.3
93.5°	53.4	55.2	56.5	57.6	57.6	57.3
94°	52.4	54.1	55.5	56.4	56.7	56.1
94.5°	51.5	53.0	54.4	55.2	55.5	54.9
95°	50.6	52.0	53.4	54.2	54.4	53.9
95.5°	49.7	51.1	52.5	53.2	53.3	52.9
96°	48.9	50.2	51.7	52.3	52.4	52.0
96.5°	47.9	49.4	50.8	51.4	51.6	51.0
97°	47.0	48.7	49.7	50.5	50.7	49.9
97.5°	46.3	47.7	48.7	49.6	49.7	49.0
98°	45.4	46.9	47.8	48.6	48.7	48.2
98.5°	44.4	45.9	47.1	47.8	47.8	47.4
99°	43.6	45.1	46.4	47.1	47.1	46.5
99.5°	42.8	44.3	45.5	46.2	46.2	45.7
100°	42.0	43.6	44.8	45.4	45.3	44.8
100.5°	41.3	42.9	43.9	44.6	44.6	44.1
101°	40.5	42.2	43.2	43.8	43.9	43.2
101.5°	40.1	41.5	42.5	43.1	43.1	42.5
102°	39.3	40.7	41.7	42.4	42.2	41.8
102.5°	38.5	39.8	40.9	41.6	41.5	41.1
103°	37.9	39.3	40.3	40.8	40.8	40.1
103.5°	37.4	38.7	39.7	40.1	40.1	39.5
104°	36.7	38.1	39.0	39.4	39.5	38.9
104.5°	36.1	37.6	38.4	38.9	38.7	38.4
105°	35.7	37.1	37.8	38.2	38.2	37.8
105.5°	34.8	36.4	37.2	37.5	37.5	37.0
106°	34.3	35.8	36.7	37.0	36.9	36.4
106.5°	33.9	35.2	36.2	36.5	36.4	35.9
107°	33.4	34.7	35.6	36.0	35.8	35.3
107.5°	33.0	34.2	34.9	35.5	35.3	34.7
108°	32.3	33.7	34.4	34.8	34.8	34.1
108.5°	32.2	33.3	33.9	34.3	34.2	33.7
109°	31.5	32.8	33.5	33.8	33.7	33.2
109.5°	31.3	32.4	33.0	33.2	33.2	32.8
110°	30.6	31.9	32.6	32.8	32.8	32.3
110.5°	30.3	31.5	32.1	32.4	32.2	31.8
111°	29.7	31.1	31.6	31.9	31.9	31.3
111.5°	29.5	30.7	31.1	31.5	31.4	30.9
112°	29.0	30.3	30.7	31.1	31.1	30.4



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	28.8	30.0	30.4	30.7	30.6	30.2
113°	28.5	29.6	30.1	30.3	30.2	29.8
113.5°	27.9	29.3	29.7	30.0	29.8	29.4
114°	27.8	28.9	29.3	29.5	29.5	29.1
114.5°	27.5	28.6	29.1	29.2	29.2	28.7
115°	27.1	28.3	28.7	28.9	28.8	28.4
115.5°	27.0	28.1	28.5	28.6	28.5	28.1
116°	26.4	27.7	28.1	28.3	28.2	27.9
116.5°	26.3	27.5	27.8	28.0	27.9	27.5
117°	26.0	27.1	27.6	27.7	27.6	27.2
117.5°	25.9	27.0	27.3	27.5	27.3	26.9
118°	25.6	26.7	27.1	27.1	27.0	26.7
118.5°	25.4	26.6	26.8	26.9	26.8	26.5
119°	25.2	26.4	26.6	26.7	26.6	26.3
119.5°	25.1	26.2	26.4	26.5	26.4	26.2
120°	24.8	26.1	26.2	26.3	26.2	25.9
120.5°	24.7	25.9	26.1	26.1	26.1	25.7
121°	24.5	25.8	25.9	25.9	25.9	25.5
121.5°	24.4	25.5	25.7	25.8	25.7	25.4
122°	24.3	25.4	25.6	25.6	25.5	25.2
122.5°	24.3	25.4	25.4	25.4	25.3	25.1
123°	24.3	25.4	25.3	25.3	25.1	24.9
123.5°	24.2	25.2	25.1	25.2	25.0	24.7
124°	24.2	25.0	25.1	25.1	25.0	24.7
124.5°	24.2	24.9	25.0	25.0	24.9	24.5
125°	24.2	24.9	24.9	24.8	24.8	24.5
125.5°	24.2	24.9	24.8	24.7	24.6	24.4
126°	24.2	24.8	24.8	24.7	24.5	24.4
126.5°	24.2	24.7	24.7	24.6	24.5	24.4
127°	24.2	24.7	24.7	24.5	24.4	24.2
127.5°	24.2	24.6	24.6	24.5	24.4	24.2
128°	24.2	24.6	24.6	24.5	24.4	24.2
128.5°	24.2	24.6	24.6	24.5	24.3	24.2
129°	24.2	24.6	24.5	24.4	24.3	24.2
129.5°	24.2	24.6	24.5	24.4	24.3	24.2
130°	24.2	24.6	24.5	24.4	24.3	24.1
130.5°	24.3	24.6	24.5	24.4	24.3	24.1
131°	24.5	24.6	24.5	24.4	24.3	24.1
131.5°	24.6	24.6	24.5	24.4	24.3	24.1
132°	24.6	24.6	24.5	24.4	24.3	24.1
132.5°	24.6	24.6	24.5	24.4	24.3	24.1
133°	24.6	24.6	24.5	24.4	24.3	24.1
133.5°	24.8	24.6	24.5	24.4	24.3	24.1
134°	24.8	24.7	24.5	24.4	24.3	24.2
134.5°	24.8	24.7	24.6	24.4	24.4	24.1



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	24.9	24.7	24.6	24.4	24.4	24.1
135.5°	25.0	24.8	24.6	24.4	24.5	24.4
136°	25.2	25.2	24.7	24.5	24.5	24.4
136.5°	25.2	25.3	24.9	24.5	24.5	24.4
137°	25.2	25.4	25.1	24.7	24.6	24.5
137.5°	25.3	25.4	25.2	24.9	24.7	24.7
138°	25.4	25.4	25.3	25.2	25.0	24.8
138.5°	25.6	25.6	25.3	25.2	25.2	24.8
139°	25.8	25.8	25.4	25.3	25.3	25.2
139.5°	25.9	26.1	25.6	25.5	25.3	25.4
140°	26.1	26.2	25.8	25.5	25.4	25.3
140.5°	26.1	26.2	26.0	25.6	25.5	25.5
141°	26.3	26.3	26.1	26.0	25.7	25.5
141.5°	26.4	26.5	26.1	26.0	25.8	25.6
142°	26.6	26.6	26.3	26.1	25.9	25.7
142.5°	26.7	26.9	26.5	26.2	26.1	26.1
143°	26.9	27.1	26.7	26.3	26.1	26.2
143.5°	27.0	27.1	26.7	26.4	26.3	26.3
144°	27.2	27.1	26.9	26.5	26.4	26.3
144.5°	27.3	27.1	27.0	27.0	26.4	26.3
145°	27.3	27.2	27.0	27.0	26.5	26.3
145.5°	27.2	27.3	27.1	27.0	26.8	26.3
146°	27.2	27.3	27.2	27.0	26.9	26.4
146.5°	27.2	27.4	27.3	27.1	27.0	26.7
147°	27.2	27.6	27.4	27.2	27.0	26.7
147.5°	27.2	27.9	27.5	27.4	27.0	26.7
148°	27.2	27.9	27.7	27.5	27.0	26.7
148.5°	27.2	27.9	27.8	27.6	27.0	26.7
149°	27.2	28.0	27.8	27.6	27.0	26.7
149.5°	27.2	28.0	27.8	27.6	27.0	26.7
150°	27.0	28.0	27.8	27.6	27.0	26.7
150.5°	27.0	28.0	27.8	27.6	27.0	26.7
151°	27.0	28.0	27.8	27.6	27.0	26.7
151.5°	27.0	28.0	27.8	27.6	27.0	26.7
152°	27.0	28.0	27.8	27.6	27.0	26.7
152.5°	26.9	28.0	27.8	27.5	27.0	26.7
153°	26.8	28.0	27.8	27.4	27.0	26.7
153.5°	26.8	28.0	27.8	27.5	27.0	26.7
154°	26.8	27.9	27.7	27.5	27.0	26.7
154.5°	26.8	27.9	27.7	27.4	26.9	26.7
155°	26.8	27.9	27.6	27.4	26.9	26.6
155.5°	26.8	27.8	27.6	27.4	26.9	26.6
156°	26.7	27.7	27.6	27.4	26.9	26.6
156.5°	26.7	27.7	27.6	27.5	26.8	26.7
157°	26.7	27.8	27.6	27.5	26.8	26.5



TEST NUMBER: P601039
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	26.7	27.7	27.6	27.4	26.9	26.5
158°	26.7	27.6	27.6	27.3	26.9	26.5
158.5°	26.6	27.6	27.5	27.2	26.7	26.5
159°	26.5	27.6	27.5	27.2	26.6	26.4
159.5°	26.4	27.6	27.5	27.1	26.6	26.2
160°	26.3	27.6	27.5	27.0	26.6	26.1
160.5°	26.2	27.6	27.3	26.9	26.4	26.2
161°	26.1	27.3	27.1	26.8	26.4	26.0
161.5°	26.1	27.1	27.0	26.6	26.2	25.9
162°	26.0	26.9	26.9	26.5	26.1	25.9
162.5°	25.8	26.8	26.7	26.3	26.0	25.8
163°	25.6	26.8	26.6	26.3	25.9	25.7
163.5°	25.4	26.6	26.4	26.1	25.9	25.7
164°	25.4	26.5	26.3	26.0	25.7	25.6
164.5°	25.3	26.3	26.2	25.8	25.5	25.4
165°	25.2	26.2	26.1	25.7	25.5	25.4
165.5°	25.2	26.1	26.0	25.5	25.4	25.2
166°	24.9	26.0	25.8	25.3	25.3	25.0
166.5°	24.6	25.9	25.5	25.2	25.1	24.8
167°	24.4	25.7	25.3	25.0	24.9	24.7
167.5°	24.2	25.5	25.0	24.9	24.7	24.5
168°	24.2	25.2	24.9	24.6	24.4	24.2
168.5°	23.8	24.9	24.5	24.3	24.2	24.0
169°	23.4	24.5	24.2	24.0	23.9	23.6
169.5°	23.1	24.1	23.8	23.7	23.6	23.4
170°	23.1	23.8	23.6	23.5	23.4	23.3
170.5°	23.1	23.6	23.5	23.4	23.4	23.3
171°	23.1	23.6	23.6	23.4	23.5	23.6
171.5°	23.5	24.3	24.3	24.1	24.6	24.8
172°	24.6	25.8	25.6	25.5	26.0	26.2
172.5°	26.0	26.9	26.8	26.7	27.0	27.1
173°	27.2	27.7	27.5	27.5	27.8	27.8
173.5°	28.0	28.3	28.1	28.1	28.3	28.6
174°	28.6	28.8	28.8	28.7	28.8	28.9
174.5°	28.9	28.8	28.8	28.7	29.0	28.9
175°	28.9	28.8	28.8	28.7	29.1	28.9
175.5°	28.9	28.9	28.8	28.8	29.1	28.9
176°	28.9	28.9	28.8	28.8	29.1	29.0
176.5°	28.9	29.1	29.0	29.0	29.1	29.0
177°	28.9	29.2	28.9	29.0	29.1	29.0
177.5°	28.9	29.2	29.0	29.0	29.1	29.0
178°	28.9	29.2	29.0	29.1	29.1	29.0
178.5°	28.9	29.2	29.1	29.1	29.1	29.0
179°	28.9	29.3	29.2	29.1	29.1	29.0
179.5°	28.9	29.3	29.3	29.1	29.1	29.0



TEST NUMBER: P601039
CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	28.9	28.9	28.9	28.9	28.9	28.9

(END OF REPORT)