

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P601021

Luminaire Tested: FM119S1EWHR_2700K

Issue Date: 3/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P601021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2117163A001)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: FM119S1EWHR_2700K
Description: FM119S1EWHR at 2700K
Light Source: -
Ballast/Driver: -

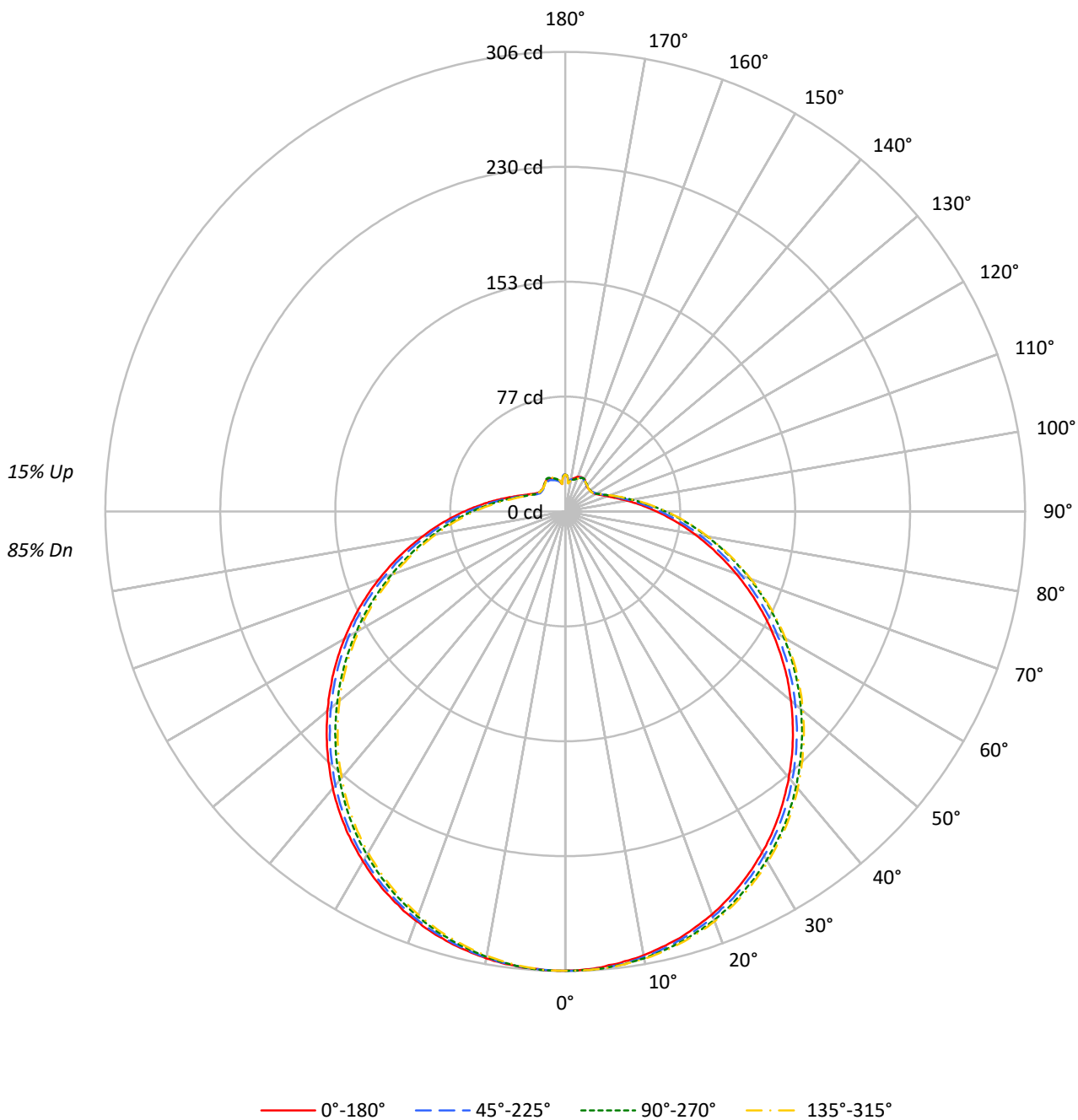
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.8 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
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	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°	3593	3593	3593	3593
5°	3469	3481	3480	3478
10°	3351	3373	3373	3362
15°	3240	3270	3273	3251
20°	3128	3172	3177	3144
25°	3016	3070	3079	3034
30°	2903	2970	2982	2924
35°	2791	2869	2881	2815
40°	2676	2764	2782	2699
45°	2562	2659	2680	2586
50°	2449	2558	2581	2474
55°	2337	2459	2480	2365
60°	2225	2360	2381	2253
65°	2114	2264	2286	2146
70°	2011	2169	2190	2042
75°	1916	2089	2105	1951
80°	1849	2024	2041	1885
85°	1812	1992	2007	1851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 2686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	2.3
10°-20°	83.5	6.6
20°-30°	128.2	10.1
30°-40°	157.7	12.4
40°-50°	169.3	13.3
50°-60°	163.8	12.9
60°-70°	144.0	11.3
70°-80°	115.1	9.1
80°-90°	84.6	6.7
90°-100°	57.9	4.6
100°-110°	38.5	3.0
110°-120°	26.4	2.1
120°-130°	19.8	1.6
130°-140°	16.7	1.3
140°-150°	14.7	1.2
150°-160°	11.2	0.9
160°-170°	6.3	0.5
170°-180°	2.0	0.2
0°-30°	240.7	19.0
0°-40°	398.4	31.4
0°-60°	731.5	57.7
0°-90°	1075.2	84.7
90°-120°	122.9	9.7
90°-150°	174.1	13.7
90°-180°	194.0	15.3
0°-180°	1268.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	306	306	306	306	306	
5°	304	305	305	305	304	29
15°	294	297	297	295	294	83
25°	275	280	281	276	275	127
35°	248	254	256	250	248	155
45°	214	222	224	216	214	165
55°	178	187	188	180	178	159
65°	140	149	151	142	140	138
75°	104	113	114	105	104	110
85°	73	80	81	75	73	63
90°	61	67	67	62	61	33
95°	50	55	55	51	50	39
105°	35	37	37	35	35	37
115°	26	27	27	26	26	26
125°	22	22	22	22	22	20
135°	22	22	21	21	22	17
145°	24	24	23	24	24	15
155°	25	24	24	25	25	12
165°	23	22	22	22	23	7
175°	22	21	20	22	22	2
180°	25	25	25	25	25	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
0.5°	305.7	305.8	305.9	305.9	305.8	305.8	305.8	305.8	305.8	305.8	305.8
1°	305.7	305.7	305.9	305.9	305.8	305.8	305.8	305.9	305.8	305.7	305.8
1.5°	305.7	305.7	305.9	305.9	305.7	305.8	305.8	305.9	305.8	305.6	305.7
2°	305.5	305.6	305.9	305.9	305.7	305.9	305.9	305.7	305.8	305.5	305.6
2.5°	305.3	305.4	305.7	305.9	305.6	305.9	305.7	305.8	305.8	305.4	305.5
3°	305.1	305.3	305.7	305.9	305.6	305.8	305.8	305.7	305.3	305.3	305.5
3.5°	304.9	305.1	305.3	305.7	305.6	305.7	305.5	305.6	305.2	305.2	305.3
4°	304.7	304.9	305.3	305.5	305.4	305.5	305.5	305.5	305.1	305.1	305.3
4.5°	304.5	304.6	305.0	305.4	305.3	305.4	305.4	305.3	305.0	304.9	305.1
5°	304.1	304.4	304.7	305.3	305.2	305.3	305.2	305.3	305.1	304.9	304.9
5.5°	303.5	304.1	304.7	304.9	304.8	305.3	305.1	305.3	304.9	304.7	304.7
6°	303.4	303.8	304.3	304.6	304.6	304.9	304.9	305.0	304.5	304.3	304.3
6.5°	303.2	303.4	304.1	304.3	304.4	304.7	304.6	304.6	304.2	304.2	304.1
7°	302.7	303.1	303.7	304.0	304.1	304.3	304.3	304.4	304.0	303.9	303.8
7.5°	302.1	302.7	303.3	303.7	303.9	304.2	304.2	304.2	303.9	303.7	303.5
8°	301.9	302.3	303.0	303.3	303.5	303.8	303.7	303.9	303.6	303.3	303.2
8.5°	301.4	301.9	302.6	303.0	303.1	303.4	303.5	303.5	303.2	303.0	303.0
9°	301.2	301.4	302.2	302.5	302.8	303.1	303.2	303.2	303.0	302.6	302.3
9.5°	300.7	301.0	301.7	302.2	302.4	302.7	302.8	302.9	302.4	302.2	302.1
10°	300.1	300.5	301.2	301.8	302.1	302.3	302.4	302.4	302.1	301.8	301.6
10.5°	299.5	300.0	300.7	301.3	301.6	302.0	302.1	302.1	301.6	301.4	301.3
11°	299.0	299.5	300.3	300.8	301.1	301.5	301.7	301.7	301.2	301.0	300.7
11.5°	298.3	298.9	299.7	300.2	300.7	301.0	301.2	301.3	300.8	300.5	300.2
12°	297.7	298.3	299.1	299.7	300.2	300.6	300.8	300.9	300.4	300.0	299.8
12.5°	297.1	297.7	298.6	299.2	299.7	300.1	300.2	300.3	299.8	299.5	299.2
13°	296.7	297.1	298.0	298.6	299.1	299.6	299.8	299.8	299.3	299.0	298.8
13.5°	295.8	296.5	297.3	298.0	298.5	299.0	299.3	299.4	298.8	298.5	298.2
14°	295.2	295.7	296.8	297.5	298.0	298.6	298.7	298.8	298.3	297.9	297.6
14.5°	294.6	295.1	296.0	296.7	297.4	298.1	298.1	298.2	297.8	297.4	297.0
15°	294.1	294.3	295.4	296.1	296.8	297.3	297.5	297.6	297.1	296.7	296.3
15.5°	293.2	293.6	294.6	295.3	296.2	296.9	297.0	297.0	296.6	296.1	295.7
16°	292.4	293.0	293.9	294.6	295.5	296.0	296.3	296.4	295.7	295.4	294.9
16.5°	291.7	292.3	293.3	293.9	294.7	295.3	295.6	295.7	295.3	294.7	294.3
17°	290.7	291.4	292.5	293.5	294.1	294.8	295.0	295.0	294.8	294.1	293.6
17.5°	289.9	290.7	291.7	292.6	293.3	293.9	294.3	294.3	293.9	293.4	292.8
18°	289.1	289.8	290.8	291.8	292.8	293.2	293.5	293.6	293.2	292.6	292.2
18.5°	288.1	289.0	290.0	291.0	291.9	292.7	292.9	292.8	292.5	292.0	291.4
19°	287.3	288.0	289.2	290.1	291.2	291.8	292.1	292.2	291.8	291.2	290.6
19.5°	286.4	287.2	288.3	289.3	290.4	291.1	291.3	291.4	290.6	290.4	289.8
20°	285.6	286.2	287.3	288.4	289.6	290.2	290.6	290.6	290.1	289.6	288.9
20.5°	284.6	285.2	286.4	287.4	288.7	289.3	289.7	289.8	289.3	288.7	288.1
21°	283.6	284.3	285.5	286.5	287.8	288.5	288.9	289.0	288.4	288.0	287.2
21.5°	282.6	283.2	284.0	285.6	286.8	287.7	288.0	288.2	287.5	287.0	286.3
22°	281.4	282.2	283.6	284.7	286.0	286.5	287.0	287.2	286.9	286.0	285.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	280.4	281.2	282.4	283.7	285.0	285.7	286.1	286.2	285.7	285.0	284.3
23°	279.3	280.2	281.5	282.6	284.0	284.6	285.2	285.3	284.5	284.0	283.3
23.5°	278.2	279.0	280.5	281.6	282.9	283.7	284.2	284.3	283.9	283.1	282.3
24°	277.2	277.9	279.3	280.6	281.9	282.7	283.2	283.3	282.8	282.1	281.3
24.5°	276.0	276.8	278.1	279.5	280.9	281.7	282.1	282.2	281.6	281.1	280.1
25°	274.8	275.8	277.1	278.3	279.8	280.5	281.1	281.2	280.6	280.0	279.2
25.5°	273.6	274.6	275.9	277.2	278.7	279.6	280.1	280.1	279.8	278.9	277.8
26°	272.4	273.2	274.7	276.2	277.6	278.6	278.9	279.0	278.6	277.7	277.0
26.5°	271.2	272.0	273.5	274.9	276.4	277.5	277.9	277.9	277.4	276.7	275.7
27°	269.9	270.8	272.4	273.7	275.5	276.3	276.7	276.8	276.4	275.5	274.6
27.5°	268.8	269.6	271.1	272.5	274.2	275.2	275.7	275.6	275.3	274.4	273.4
28°	267.5	268.3	269.9	271.4	273.0	273.9	274.4	274.6	274.0	273.1	272.2
28.5°	266.1	267.0	268.6	270.0	271.8	272.7	273.3	273.4	272.8	272.0	271.0
29°	264.7	265.7	267.4	268.8	270.6	271.6	272.0	272.1	271.6	270.8	269.8
29.5°	263.5	264.4	266.1	267.5	269.3	270.4	270.8	270.9	270.2	269.6	268.6
30°	262.0	263.3	264.7	266.2	268.1	269.1	269.5	269.6	269.2	268.2	267.3
30.5°	260.7	261.8	263.5	265.0	266.8	267.7	268.3	268.4	267.8	267.0	265.9
31°	259.5	260.4	262.0	263.5	265.4	266.5	267.0	267.1	266.6	265.7	264.5
31.5°	258.0	259.2	260.7	262.2	264.1	265.2	265.6	265.8	265.2	264.3	263.3
32°	256.7	257.8	259.5	260.8	262.8	263.9	264.3	264.5	263.9	263.1	261.9
32.5°	255.2	256.3	258.0	259.6	261.4	262.5	263.0	263.2	262.6	261.7	260.6
33°	253.7	254.9	256.5	258.4	260.1	261.1	261.7	261.8	261.3	260.4	259.1
33.5°	252.2	253.4	255.2	256.7	258.8	259.7	260.3	260.4	259.8	259.0	257.8
34°	250.7	251.8	253.6	255.4	257.4	258.4	259.0	259.1	258.7	257.7	256.3
34.5°	249.2	250.3	252.1	253.8	255.9	257.0	257.6	257.8	257.3	256.3	255.0
35°	247.6	248.8	250.6	252.3	254.5	255.6	256.1	256.3	255.6	254.9	253.5
35.5°	246.1	247.3	249.1	250.8	253.1	254.1	254.7	254.8	254.3	253.4	252.0
36°	244.5	245.6	247.7	249.2	251.5	252.6	253.2	253.4	252.8	251.9	250.5
36.5°	242.9	244.2	246.0	247.7	250.0	251.1	251.7	251.8	251.3	250.4	249.0
37°	241.3	242.5	244.4	246.2	248.4	249.8	250.2	250.5	249.9	248.9	247.4
37.5°	239.6	241.0	242.8	244.7	246.9	248.0	248.6	248.8	248.3	247.3	245.9
38°	238.1	239.3	241.3	243.1	245.4	246.5	247.0	247.3	246.8	245.7	244.3
38.5°	236.3	237.7	239.7	241.5	243.8	245.0	245.5	245.8	245.4	244.2	242.7
39°	234.8	236.1	238.1	239.9	242.2	243.2	244.0	244.2	243.7	242.5	241.1
39.5°	233.2	234.4	236.4	238.3	240.7	241.8	242.5	242.6	242.2	241.2	239.6
40°	231.4	232.7	234.8	236.6	239.0	240.1	240.7	240.9	240.6	239.4	237.9
40.5°	229.7	231.0	233.1	235.0	237.5	238.4	239.1	239.3	238.9	237.8	236.3
41°	228.0	229.4	231.4	233.3	235.7	236.9	237.5	237.7	237.3	236.2	234.6
41.5°	226.3	227.6	229.9	231.6	234.2	235.3	235.8	236.0	235.6	234.6	232.9
42°	224.7	225.9	228.0	229.9	232.4	233.7	234.1	234.4	233.9	232.9	231.2
42.5°	223.0	224.3	226.3	228.3	230.7	231.9	232.5	232.8	232.2	231.2	229.5
43°	221.3	222.6	224.8	226.6	229.1	230.2	230.7	231.1	230.6	229.5	227.8
43.5°	219.5	221.0	223.0	225.0	227.4	228.5	229.2	229.4	229.0	227.9	226.1
44°	217.8	219.2	221.3	223.3	225.6	226.9	227.4	227.7	227.2	226.1	224.6
44.5°	215.9	217.3	219.5	221.6	224.1	225.1	225.6	226.0	225.5	224.5	222.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	214.2	215.7	217.7	219.8	222.3	223.6	224.1	224.5	224.0	222.8	221.1
45.5°	212.5	213.8	216.0	218.1	220.7	221.8	222.5	222.7	222.3	221.3	219.6
46°	210.7	212.1	214.3	216.3	218.9	219.9	220.7	221.0	220.4	219.5	217.7
46.5°	208.8	210.3	212.6	214.6	217.2	218.4	219.0	219.2	218.7	217.8	215.9
47°	207.0	208.5	210.8	212.8	215.5	216.6	217.2	217.5	217.1	216.0	214.1
47.5°	205.3	206.6	208.9	211.0	213.7	214.8	215.4	215.8	215.3	214.2	212.4
48°	203.4	204.9	207.1	209.2	212.0	213.0	213.7	214.0	213.5	212.5	210.7
48.5°	201.6	203.1	205.2	207.5	210.1	211.3	211.9	212.2	211.7	210.7	208.9
49°	199.8	201.2	203.5	205.6	208.4	209.5	210.1	210.5	209.9	208.9	207.1
49.5°	197.9	199.4	201.7	203.9	206.6	207.8	208.3	208.7	208.2	207.2	205.4
50°	196.1	197.6	199.8	202.0	204.8	205.9	206.6	207.0	206.7	205.5	203.4
50.5°	194.2	195.7	198.1	200.2	203.0	204.1	204.6	205.1	204.6	203.6	201.6
51°	192.4	193.9	196.2	198.4	201.2	202.3	202.9	203.2	202.8	201.8	199.9
51.5°	190.6	192.1	194.4	196.5	199.4	200.6	201.2	201.5	201.3	200.1	198.1
52°	188.8	190.4	192.6	194.7	197.6	198.6	199.3	199.7	199.2	198.2	196.3
52.5°	186.9	188.4	190.9	192.9	195.8	196.9	197.4	197.8	197.5	196.4	194.4
53°	185.1	186.6	189.0	191.3	193.9	195.1	195.6	195.9	195.6	194.6	192.6
53.5°	183.2	184.7	187.2	189.4	192.1	193.2	193.8	194.1	193.7	192.7	190.8
54°	181.3	182.9	185.2	187.5	190.4	191.3	191.9	192.2	192.0	190.9	188.7
54.5°	179.3	181.0	183.4	185.7	188.5	189.6	190.1	190.4	190.3	189.1	187.0
55°	177.5	179.1	181.5	183.9	186.7	187.8	188.3	188.7	188.3	187.4	185.2
55.5°	175.6	177.2	179.6	182.0	184.8	186.0	186.5	186.8	186.5	185.4	183.4
56°	173.6	175.3	177.7	180.0	182.9	183.9	184.5	184.8	184.7	183.5	181.5
56.5°	171.8	173.4	175.9	178.2	181.2	182.2	182.6	183.0	182.7	181.7	179.6
57°	169.9	171.5	174.0	176.3	179.3	180.2	180.8	181.1	180.9	179.9	177.8
57.5°	167.9	169.5	172.0	174.6	177.4	178.5	178.9	179.2	179.0	178.0	175.8
58°	166.2	167.8	170.3	172.5	175.5	176.5	177.0	177.4	177.1	176.2	174.0
58.5°	164.2	165.8	168.3	170.7	173.6	174.7	175.1	175.5	175.3	174.2	171.8
59°	162.3	164.0	166.5	168.8	171.8	172.7	173.2	173.6	173.4	172.4	170.0
59.5°	160.4	162.0	164.4	166.9	169.9	171.0	171.2	171.7	171.5	170.5	168.1
60°	158.5	160.2	162.6	165.0	168.1	169.1	169.4	169.8	169.6	168.6	166.4
60.5°	156.7	158.2	160.7	163.1	166.2	167.1	167.4	167.8	167.6	166.6	164.4
61°	154.8	156.5	158.8	161.3	164.3	165.1	165.6	166.0	165.8	164.7	162.5
61.5°	153.0	154.5	157.1	159.5	162.4	163.2	163.6	164.1	163.9	162.8	160.6
62°	151.1	152.6	155.1	157.7	160.5	161.4	161.7	162.2	162.0	161.0	158.7
62.5°	149.1	150.7	153.2	155.8	158.6	159.6	159.8	160.3	160.2	158.9	157.1
63°	147.2	148.8	151.3	153.8	156.9	157.6	157.9	158.2	158.3	157.2	155.0
63.5°	145.3	146.8	149.5	152.0	155.0	155.8	156.2	156.5	156.3	155.3	153.1
64°	143.3	144.9	147.5	150.1	153.1	154.0	154.3	154.7	154.6	153.4	151.2
64.5°	141.4	143.1	145.6	148.2	151.2	152.1	152.4	152.8	152.7	151.6	149.3
65°	139.5	141.1	143.7	146.3	149.4	150.2	150.4	150.9	150.8	149.7	147.4
65.5°	137.7	139.3	141.8	144.4	147.5	148.3	148.5	149.0	148.8	147.8	145.5
66°	135.8	137.2	139.8	142.4	145.6	146.4	146.6	147.0	147.0	145.7	143.6
66.5°	133.9	135.4	137.9	140.6	143.7	144.5	144.7	145.1	145.0	143.9	141.6
67°	132.1	133.5	136.1	138.8	141.8	142.6	142.8	143.3	143.1	142.1	139.8



TEST NUMBER: P601021
 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°	130.1	131.7	134.2	136.8	140.0	140.7	141.0	141.4	141.3	140.2	138.1
68°	128.3	129.8	132.4	134.9	138.1	138.8	139.1	139.5	139.5	138.3	136.0
68.5°	126.5	128.1	130.6	133.1	136.2	137.0	137.2	137.5	137.5	136.4	134.1
69°	124.6	126.1	128.7	131.2	134.3	135.1	135.3	135.7	135.6	134.5	132.2
69.5°	122.9	124.4	126.8	129.4	132.5	133.2	133.4	133.8	133.7	132.6	130.2
70°	121.1	122.7	125.0	127.6	130.6	131.3	131.6	132.0	131.9	130.7	128.4
70.5°	119.3	120.8	123.2	125.7	128.8	129.6	129.7	130.1	130.0	128.9	126.7
71°	117.5	119.0	121.4	124.0	127.0	127.6	127.9	128.2	128.1	127.1	124.8
71.5°	115.7	117.2	119.6	122.2	125.4	125.8	125.9	126.3	126.3	125.2	123.1
72°	113.9	115.4	117.8	120.4	123.5	124.0	124.2	124.4	124.4	123.4	121.0
72.5°	112.2	113.7	116.2	118.6	121.0	122.3	122.4	122.8	122.8	121.6	119.3
73°	110.4	111.9	114.3	116.8	119.6	120.5	120.6	121.0	120.9	119.8	117.7
73.5°	108.7	110.2	112.5	115.0	117.9	118.8	118.9	119.2	119.1	118.0	115.8
74°	106.9	108.4	110.8	113.4	116.2	117.0	117.1	117.4	117.3	116.2	114.0
74.5°	105.2	106.8	109.0	111.6	114.6	115.1	115.2	115.7	115.6	114.4	112.2
75°	103.5	105.0	107.3	109.8	112.8	113.5	113.5	113.8	113.7	112.5	110.5
75.5°	101.9	103.4	105.6	108.0	111.0	111.7	111.7	112.1	111.9	110.8	108.7
76°	100.3	101.6	103.9	106.4	109.3	109.9	110.0	110.3	110.2	109.2	106.8
76.5°	98.6	100.0	102.3	104.7	107.5	108.2	108.3	108.6	108.4	107.3	105.3
77°	97.0	98.4	100.5	103.0	106.0	106.5	106.6	106.9	106.8	105.6	103.4
77.5°	95.4	96.7	98.9	101.4	104.2	104.8	105.0	105.2	105.0	103.9	102.0
78°	93.7	95.1	97.3	99.7	102.4	103.1	103.2	103.4	103.3	102.2	100.1
78.5°	92.2	93.5	95.7	98.1	100.9	101.4	101.5	101.9	101.7	100.6	98.6
79°	90.6	91.9	94.2	96.5	99.1	99.7	99.9	100.1	100.0	98.7	96.8
79.5°	89.2	90.5	92.5	94.8	97.5	98.0	98.2	98.4	98.3	97.1	95.3
80°	87.6	89.0	90.9	93.3	95.9	96.5	96.5	96.9	96.7	95.5	93.7
80.5°	86.1	87.5	89.5	91.7	94.3	94.8	94.9	95.2	95.0	93.8	91.9
81°	84.7	86.0	88.1	90.3	92.6	93.3	93.4	93.7	93.5	92.2	90.3
81.5°	83.1	84.5	86.5	88.8	91.1	91.6	91.8	92.0	91.7	90.6	89.0
82°	81.7	83.0	85.0	87.1	89.6	90.1	90.2	90.4	90.2	89.2	87.4
82.5°	80.3	81.5	83.4	85.7	88.1	88.6	88.8	89.1	88.8	87.6	85.9
83°	78.8	80.1	82.0	84.1	86.5	87.2	87.3	87.4	87.2	86.1	84.3
83.5°	77.4	78.6	80.6	82.6	85.1	85.7	85.7	86.0	85.7	84.6	82.8
84°	76.0	77.3	79.1	81.2	83.5	84.1	84.1	84.4	84.1	83.0	81.3
84.5°	74.6	75.9	77.7	79.8	82.0	82.6	82.7	82.9	82.6	81.5	79.8
85°	73.2	74.5	76.3	78.3	80.5	81.1	81.2	81.4	81.1	80.0	78.2
85.5°	71.9	73.2	74.9	77.0	79.1	79.7	79.8	80.0	79.6	78.5	76.8
86°	70.6	71.8	73.5	75.5	77.7	78.2	78.3	78.6	78.1	77.0	75.3
86.5°	69.3	70.5	72.3	74.2	76.2	76.7	76.9	77.1	76.7	75.6	74.1
87°	68.0	69.2	70.8	72.9	74.8	75.4	75.4	75.7	75.3	74.1	72.5
87.5°	66.8	68.0	69.5	71.5	73.4	73.9	74.1	74.3	73.8	72.7	71.2
88°	65.6	66.7	68.3	70.2	72.1	72.6	72.6	72.8	72.5	71.3	69.8
88.5°	64.4	65.4	67.0	68.9	70.7	71.2	71.3	71.5	71.1	70.0	68.4
89°	63.1	64.3	65.8	67.6	69.4	69.8	70.0	70.1	69.8	68.6	67.2
89.5°	61.9	63.1	64.6	66.4	68.1	68.6	68.7	68.8	68.5	67.3	65.9



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	60.8	61.8	63.4	65.0	66.8	67.2	67.3	67.4	67.1	66.1	64.5
90.5°	59.6	60.7	62.2	63.8	65.5	65.9	66.0	66.2	65.8	64.8	63.4
91°	58.4	59.5	61.0	62.7	64.2	64.8	64.9	65.0	64.5	63.6	62.0
91.5°	57.4	58.4	59.9	61.5	62.9	63.4	63.6	63.8	63.3	61.9	60.6
92°	56.3	57.3	58.8	60.3	61.7	62.2	62.3	62.5	62.0	61.0	59.8
92.5°	55.3	56.3	57.7	59.2	60.5	60.9	61.0	61.2	60.9	59.7	58.6
93°	54.3	55.3	56.7	58.0	59.4	59.7	59.9	60.1	59.6	58.6	57.3
93.5°	53.2	54.2	55.6	56.9	58.3	58.7	58.7	58.9	58.5	57.5	56.2
94°	52.2	53.2	54.5	56.0	57.1	57.5	57.6	57.8	57.3	56.4	55.3
94.5°	51.2	52.3	53.5	55.0	56.0	56.4	56.5	56.6	56.2	55.6	54.1
95°	50.3	51.3	52.5	53.9	55.0	55.5	55.6	55.5	55.2	54.3	53.0
95.5°	49.3	50.3	51.7	52.9	53.8	54.3	54.4	54.4	54.2	53.1	52.0
96°	48.3	49.3	50.6	51.9	52.8	53.2	53.3	53.4	53.0	52.1	51.1
96.5°	47.5	48.4	49.6	50.8	51.9	52.3	52.2	52.3	51.9	51.2	50.1
97°	46.6	47.5	48.8	49.9	51.0	51.2	51.3	51.3	51.2	50.1	48.9
97.5°	45.6	46.7	47.8	48.9	50.0	50.2	50.3	50.1	50.0	49.0	48.0
98°	44.8	45.7	46.9	48.0	48.9	49.2	49.2	49.2	49.0	48.0	47.0
98.5°	44.0	44.9	46.0	47.0	48.0	48.2	48.3	48.3	48.0	47.1	46.0
99°	43.2	44.1	45.1	46.2	47.0	47.2	47.3	47.4	47.0	46.2	45.1
99.5°	42.4	43.3	44.2	45.3	46.0	46.3	46.5	46.4	46.1	45.5	44.2
100°	41.6	42.5	43.5	44.5	45.2	45.7	45.5	45.4	45.2	44.4	43.3
100.5°	40.8	41.6	42.7	43.6	44.2	44.5	44.5	44.8	44.3	43.6	42.6
101°	40.0	40.8	41.9	42.8	43.4	43.8	43.4	43.7	43.6	42.7	41.7
101.5°	39.3	40.2	41.0	42.0	42.6	42.8	42.8	42.8	42.7	42.0	40.9
102°	38.6	39.4	40.4	41.2	41.8	42.0	42.1	42.0	41.7	41.0	40.0
102.5°	37.8	38.6	39.6	40.5	40.9	41.2	41.1	41.5	40.9	40.4	39.4
103°	37.2	38.2	38.7	39.6	40.1	40.5	40.5	40.4	40.1	39.6	38.6
103.5°	36.5	37.4	38.2	39.0	39.6	39.7	39.7	39.9	39.4	38.7	37.8
104°	35.9	36.7	37.6	38.3	38.6	39.0	39.0	39.1	38.7	37.9	37.3
104.5°	35.3	36.1	36.9	37.6	37.9	38.6	38.5	38.4	38.4	37.1	36.5
105°	34.7	35.5	36.3	36.9	37.4	37.6	37.5	37.6	37.2	36.6	35.7
105.5°	34.1	35.0	35.6	36.3	36.6	36.9	36.8	36.7	36.5	35.9	35.0
106°	33.5	34.3	35.1	35.7	36.0	36.4	36.3	36.2	35.8	35.4	34.6
106.5°	33.0	33.8	34.6	35.2	35.3	35.6	35.6	35.4	35.3	34.6	34.0
107°	32.4	33.2	34.0	34.5	34.7	34.7	35.0	34.8	34.6	34.2	33.3
107.5°	32.0	32.7	33.3	34.0	34.2	34.5	34.4	34.3	34.2	33.4	32.6
108°	31.5	32.1	32.9	33.4	33.4	33.7	33.8	33.7	33.4	32.9	32.1
108.5°	31.0	31.6	32.3	32.8	32.9	33.2	33.2	33.2	32.9	32.4	31.6
109°	30.6	31.1	31.8	32.3	32.3	32.6	32.7	32.5	32.5	32.0	31.3
109.5°	30.1	30.7	31.3	31.8	31.7	32.2	32.2	32.1	31.9	31.3	30.5
110°	29.7	30.1	30.9	31.3	31.2	31.6	31.6	31.5	31.2	30.6	29.9
110.5°	29.3	29.7	30.4	30.8	30.7	31.0	31.2	31.0	30.6	30.1	29.5
111°	28.9	29.3	30.0	30.4	30.2	30.5	30.6	30.5	30.2	29.9	29.0
111.5°	28.4	28.9	29.6	30.0	29.8	30.2	30.1	30.1	29.9	29.2	28.5
112°	28.1	28.5	29.1	29.6	29.4	29.6	29.7	29.6	29.3	28.9	28.1



TEST NUMBER: P601021
 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°	27.7	28.1	28.7	29.1	29.1	29.2	29.2	29.1	29.0	28.4	27.8
113°	27.4	27.7	28.3	28.7	28.4	29.0	29.0	28.6	28.4	27.9	27.2
113.5°	27.0	27.3	27.9	28.3	28.0	28.3	28.4	28.2	28.0	27.5	27.0
114°	26.7	27.0	27.6	28.0	27.6	28.1	28.0	27.9	27.6	27.1	26.4
114.5°	26.4	26.6	27.2	27.6	27.3	27.5	27.5	27.4	27.2	26.8	26.1
115°	26.0	26.3	26.9	27.2	27.0	27.1	27.2	27.0	27.0	26.4	26.0
115.5°	25.7	26.0	26.6	26.9	26.5	26.9	26.8	26.8	26.5	26.0	25.6
116°	25.4	25.6	26.3	26.7	26.2	26.3	26.5	26.3	26.2	25.9	24.9
116.5°	25.1	25.4	25.9	26.3	26.0	26.1	26.2	26.0	26.0	25.4	24.9
117°	24.8	25.0	25.7	26.0	25.7	26.0	26.0	25.9	25.5	25.0	24.3
117.5°	24.6	24.8	25.3	25.7	25.2	25.7	25.7	25.3	25.1	24.8	24.0
118°	24.3	24.5	25.0	25.4	24.9	25.1	25.1	24.9	24.8	24.4	23.8
118.5°	24.0	24.2	24.7	25.1	24.7	24.9	24.9	24.8	24.7	24.1	23.6
119°	23.8	23.9	24.5	24.8	24.3	24.8	24.7	24.3	24.2	23.8	23.1
119.5°	23.6	23.7	24.3	24.6	24.0	24.3	24.3	24.1	23.9	23.7	22.9
120°	23.4	23.5	24.0	24.3	23.7	24.0	24.0	23.8	23.7	23.4	22.7
120.5°	23.1	23.3	23.7	24.1	23.6	23.8	23.8	23.7	23.6	23.1	22.6
121°	23.0	23.0	23.5	23.8	23.3	23.7	23.6	23.3	23.1	22.9	22.2
121.5°	22.9	22.9	23.4	23.6	23.0	23.2	23.2	23.1	22.9	22.7	22.0
122°	22.9	22.9	23.2	23.5	22.8	23.0	23.0	22.9	22.8	22.8	22.0
122.5°	22.7	22.7	23.0	23.3	22.7	22.8	22.8	22.6	22.7	22.2	21.8
123°	22.7	22.6	23.0	23.1	22.5	22.7	22.7	22.6	22.2	22.0	21.7
123.5°	22.5	22.4	22.9	22.9	22.2	22.5	22.4	22.2	22.0	22.0	21.4
124°	22.4	22.3	22.8	23.0	22.0	22.2	22.2	22.0	22.0	21.9	21.2
124.5°	22.3	22.2	22.6	22.9	22.0	22.0	22.0	22.0	21.9	21.8	21.1
125°	22.3	22.0	22.6	22.7	21.9	22.0	22.0	21.9	21.7	21.6	20.9
125.5°	22.2	21.9	22.4	22.6	21.8	22.0	21.9	21.8	21.7	21.3	20.8
126°	22.1	21.8	22.3	22.5	21.9	21.8	21.9	21.8	21.4	21.2	20.7
126.5°	22.0	21.8	22.2	22.5	21.8	21.8	21.8	21.4	21.3	21.1	20.7
127°	21.9	21.6	22.1	22.3	21.8	21.7	21.7	21.4	21.3	21.1	20.8
127.5°	21.8	21.6	22.0	22.3	21.8	21.8	21.6	21.4	21.3	21.1	20.6
128°	21.8	21.6	21.9	22.2	21.8	21.8	21.6	21.4	21.2	21.1	20.6
128.5°	21.8	21.6	21.9	22.1	21.8	21.7	21.6	21.4	21.2	21.1	20.6
129°	21.7	21.5	21.9	22.1	21.8	21.7	21.6	21.4	21.2	21.1	20.6
129.5°	21.7	21.5	21.9	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
130°	21.7	21.5	21.8	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
130.5°	21.7	21.5	21.8	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
131°	21.7	21.5	21.8	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
131.5°	21.7	21.5	21.8	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
132°	21.7	21.5	21.8	22.0	21.8	21.7	21.6	21.4	21.2	21.1	20.6
132.5°	21.7	21.5	21.8	22.0	21.8	21.8	21.6	21.4	21.2	21.1	20.6
133°	21.7	21.5	21.8	22.0	21.8	21.8	21.6	21.4	21.2	21.1	20.6
133.5°	21.7	21.5	21.8	22.0	21.8	21.8	21.6	21.5	21.2	21.1	20.8
134°	21.7	21.6	21.8	22.0	21.8	21.8	21.6	21.5	21.2	21.1	20.8
134.5°	21.7	21.6	21.8	22.0	21.8	21.8	21.7	21.5	21.3	21.3	20.8



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	21.7	21.7	21.8	22.0	21.9	21.9	21.8	21.6	21.3	21.3	20.8
135.5°	21.7	21.7	21.8	22.0	22.0	21.9	21.8	21.6	21.4	21.3	20.9
136°	21.7	21.8	21.8	22.0	22.1	22.0	21.9	21.7	21.4	21.3	21.0
136.5°	21.7	21.8	21.8	22.0	22.1	22.0	22.0	21.7	21.5	21.5	21.0
137°	21.9	21.9	21.9	22.0	22.2	22.2	22.2	21.8	21.5	21.5	21.2
137.5°	21.9	21.9	21.9	22.0	22.2	22.2	22.2	21.9	21.7	21.6	21.3
138°	21.9	22.0	22.0	22.0	22.4	22.3	22.4	22.0	21.7	21.7	21.3
138.5°	21.9	22.1	22.0	22.2	22.5	22.4	22.4	22.1	21.9	21.8	21.5
139°	22.0	22.2	22.0	22.2	22.6	22.6	22.4	22.1	22.0	21.9	21.6
139.5°	21.9	22.3	22.2	22.4	22.7	22.6	22.6	22.3	22.1	21.9	21.6
140°	22.1	22.7	22.3	22.7	22.8	22.8	22.7	22.4	22.1	22.1	21.8
140.5°	22.3	22.7	22.7	22.8	22.9	22.8	22.7	22.5	22.3	22.3	22.0
141°	22.7	22.7	22.7	22.8	22.9	22.8	22.8	22.7	22.5	22.3	22.0
141.5°	22.8	22.9	22.8	22.8	23.0	23.0	22.8	22.8	22.6	22.5	22.0
142°	22.8	23.0	22.8	22.9	23.1	23.0	22.9	22.9	22.7	22.6	22.2
142.5°	22.9	23.1	22.8	23.0	23.3	23.1	23.0	22.9	22.8	22.7	22.3
143°	23.1	23.6	22.8	23.1	23.4	23.2	23.0	23.0	22.9	22.8	22.4
143.5°	23.2	23.7	23.0	23.3	23.6	23.3	23.2	23.1	23.0	22.8	22.5
144°	23.6	23.8	23.1	23.5	23.7	23.4	23.4	23.3	23.1	22.9	22.6
144.5°	23.7	23.9	23.3	23.7	23.8	23.6	23.4	23.3	23.3	23.1	22.7
145°	23.7	24.1	23.5	23.7	24.0	23.7	23.6	23.5	23.4	23.2	22.8
145.5°	23.9	24.2	23.8	23.9	24.2	23.9	23.7	23.6	23.6	23.3	22.9
146°	24.0	24.5	23.7	23.9	24.3	24.1	23.9	23.8	23.7	23.4	22.9
146.5°	24.2	24.8	23.9	24.1	24.5	24.2	24.0	23.9	23.8	23.5	23.0
147°	24.3	24.8	24.0	24.2	24.5	24.5	24.2	24.1	23.9	23.6	23.1
147.5°	24.7	24.8	24.1	24.2	24.7	24.5	24.3	24.3	24.0	23.7	23.2
148°	24.8	24.9	24.1	24.3	24.8	24.7	24.4	24.3	24.1	23.7	23.3
148.5°	25.0	24.8	24.1	24.6	24.9	24.8	24.4	24.3	24.2	23.8	23.2
149°	25.0	25.0	24.3	24.6	25.1	24.9	24.4	24.3	24.2	23.8	23.2
149.5°	25.0	25.0	24.4	24.8	25.1	24.9	24.4	24.3	24.2	23.9	23.2
150°	25.1	25.0	24.6	24.8	25.1	24.9	24.4	24.3	24.2	23.9	23.2
150.5°	25.1	25.3	24.8	24.9	25.1	24.9	24.4	24.3	24.2	23.8	23.2
151°	25.2	25.4	24.9	24.9	25.1	24.9	24.4	24.3	24.2	23.8	23.2
151.5°	25.2	25.5	24.9	24.9	25.1	24.9	24.3	24.3	24.3	23.8	23.2
152°	25.2	25.5	25.0	24.9	25.1	25.0	24.3	24.3	24.3	23.8	23.2
152.5°	25.2	25.5	25.0	25.0	25.1	24.9	24.3	24.3	24.2	23.8	23.2
153°	25.2	25.5	24.9	25.0	25.0	24.9	24.3	24.2	24.1	23.8	23.3
153.5°	25.2	25.5	25.0	25.1	25.0	24.8	24.3	24.1	24.0	23.8	23.3
154°	25.2	25.5	25.0	25.0	24.8	24.7	24.3	24.1	24.0	23.8	23.1
154.5°	25.2	25.4	24.8	24.9	24.7	24.5	24.2	24.0	23.9	23.7	23.1
155°	25.2	25.4	24.8	24.9	24.5	24.3	24.1	23.9	23.8	23.7	23.0
155.5°	25.2	25.2	24.7	24.7	24.2	24.3	24.1	23.9	23.8	23.6	23.0
156°	25.2	25.1	24.5	24.7	24.1	24.1	23.9	23.8	23.8	23.3	22.9
156.5°	25.2	25.0	24.5	24.5	23.9	23.9	23.8	23.8	23.8	23.2	22.9
157°	25.0	24.9	24.3	24.4	23.9	23.9	23.8	23.9	23.8	23.1	22.7



TEST NUMBER: P601021
 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°	24.9	24.8	24.3	24.4	23.9	23.9	23.8	23.7	23.8	23.1	22.7
158°	24.9	24.7	24.1	24.3	23.8	23.9	23.8	23.7	23.5	23.0	22.7
158.5°	24.8	24.5	24.1	24.1	23.7	23.8	23.7	23.6	23.3	22.9	22.7
159°	24.6	24.5	24.0	24.0	23.6	23.7	23.4	23.5	23.2	22.8	22.5
159.5°	24.6	24.2	23.9	23.8	23.3	23.5	23.2	23.2	23.1	22.9	22.2
160°	24.6	24.2	23.8	23.7	23.3	23.3	23.1	23.2	23.1	22.7	22.1
160.5°	24.4	24.1	23.7	23.6	23.0	23.2	23.0	23.1	23.0	22.4	22.0
161°	24.3	24.0	23.6	23.4	22.9	23.0	22.9	23.1	22.8	22.2	22.0
161.5°	24.1	23.9	23.5	23.3	22.8	22.8	22.8	22.9	22.8	22.2	21.9
162°	23.9	23.8	23.3	23.2	22.9	22.7	22.8	22.8	22.8	22.1	21.8
162.5°	23.8	23.6	23.2	23.1	22.7	22.8	22.8	22.9	22.6	21.9	21.8
163°	23.6	23.5	23.0	23.0	22.3	22.5	22.6	22.9	22.3	22.0	21.8
163.5°	23.3	23.3	23.0	22.9	22.1	22.2	22.5	22.7	22.1	21.9	21.8
164°	23.1	23.1	22.9	22.9	22.0	22.0	22.4	22.5	21.9	21.8	21.6
164.5°	23.0	22.9	22.9	22.8	22.0	22.0	22.2	22.2	21.9	21.7	21.4
165°	22.9	22.9	22.8	22.8	21.9	22.0	22.0	22.0	21.9	21.4	21.2
165.5°	22.8	22.7	22.8	22.6	21.8	21.8	22.0	22.0	21.9	21.3	21.2
166°	22.7	22.6	22.7	22.6	21.8	21.8	22.0	22.0	21.7	21.2	21.2
166.5°	22.5	22.5	22.6	22.4	21.8	21.8	21.9	21.9	21.3	21.0	21.0
167°	22.3	22.4	22.3	22.2	21.8	21.7	21.8	21.9	21.2	20.9	21.0
167.5°	22.1	22.3	22.2	22.1	21.4	21.4	21.6	21.9	21.0	20.8	20.8
168°	21.9	22.1	22.0	21.9	21.3	21.2	21.2	21.8	20.8	20.7	20.7
168.5°	21.8	21.9	21.8	21.7	21.2	21.1	21.0	21.5	20.5	20.7	20.6
169°	21.7	21.7	21.7	21.5	21.0	21.0	20.9	21.0	20.6	20.7	20.6
169.5°	21.5	21.6	21.6	21.4	20.8	20.8	20.6	20.7	20.1	20.4	20.3
170°	21.3	21.4	21.4	21.2	20.8	20.7	20.6	20.6	19.9	20.0	20.0
170.5°	21.2	21.2	21.2	21.0	20.7	20.7	20.6	20.0	19.7	19.9	19.9
171°	21.0	21.1	21.0	20.9	20.8	20.7	20.1	19.8	19.6	19.7	19.8
171.5°	20.8	20.9	20.8	20.7	20.5	20.4	20.0	19.5	19.5	19.6	19.6
172°	20.5	20.7	20.6	20.5	20.1	20.1	19.8	19.1	19.4	19.5	19.5
172.5°	20.3	20.4	20.3	20.2	19.8	19.9	19.4	18.8	18.9	19.2	19.3
173°	19.9	20.0	19.9	19.8	19.5	19.6	19.0	18.6	18.6	18.8	18.9
173.5°	19.6	19.8	19.6	19.6	19.2	19.4	18.8	18.6	18.4	18.8	18.9
174°	19.6	19.7	19.6	19.6	19.2	19.4	18.8	18.7	18.5	18.8	19.0
174.5°	20.8	21.2	21.2	20.8	19.7	19.5	19.0	18.8	18.7	19.0	19.3
175°	21.9	22.3	22.2	22.0	21.2	20.7	20.3	20.4	20.2	20.4	20.7
175.5°	22.3	22.8	22.8	22.7	22.6	22.2	21.9	22.0	21.9	21.9	22.4
176°	22.7	23.1	23.1	22.8	23.0	22.9	22.8	22.8	22.7	22.7	23.0
176.5°	23.0	23.6	23.5	23.2	23.4	23.3	23.2	23.2	23.1	23.0	23.5
177°	23.7	23.7	23.8	23.8	23.8	23.7	23.6	23.7	23.6	23.6	23.9
177.5°	23.8	23.9	24.1	23.9	24.3	24.2	24.1	24.2	24.2	24.1	24.3
178°	24.0	24.0	24.3	24.1	24.3	24.3	24.3	24.2	24.5	24.5	24.6
178.5°	24.2	24.2	24.3	24.1	24.3	24.3	24.3	24.2	24.5	24.6	24.6
179°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.2	24.4	24.6	24.5
179.5°	24.5	24.4	24.3	24.7	24.3	24.3	24.3	24.2	24.4	24.6	24.6



TEST NUMBER: P601021
CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	305.8	305.8	305.8	305.8	305.8	305.8
0.5°	305.9	305.8	305.8	305.8	305.8	305.7
1°	305.7	305.8	305.8	305.8	305.9	305.7
1.5°	305.7	305.8	305.9	305.8	305.9	305.7
2°	305.5	305.8	305.8	305.8	305.8	305.5
2.5°	305.5	305.8	305.7	305.7	305.5	305.3
3°	305.3	305.7	305.5	305.5	305.4	305.1
3.5°	305.3	305.5	305.2	305.3	305.2	304.9
4°	305.2	305.3	305.1	304.9	304.9	304.7
4.5°	305.0	305.1	304.9	304.7	304.6	304.5
5°	304.6	304.9	304.6	304.4	304.4	304.1
5.5°	304.5	304.5	304.3	304.1	304.1	303.5
6°	304.1	304.3	304.1	303.8	303.7	303.4
6.5°	303.9	303.9	303.5	303.4	303.3	303.2
7°	303.6	303.6	303.4	303.0	303.0	302.7
7.5°	303.2	303.2	303.0	302.7	302.6	302.1
8°	302.9	302.8	302.5	302.2	302.1	301.9
8.5°	302.5	302.5	302.1	301.8	301.7	301.4
9°	302.1	302.0	301.7	301.3	301.3	301.2
9.5°	301.7	301.6	301.1	300.8	300.8	300.7
10°	301.3	301.1	300.6	300.3	300.3	300.1
10.5°	300.8	300.6	300.2	299.8	299.7	299.5
11°	300.4	300.0	299.6	299.3	299.1	299.0
11.5°	299.9	299.5	299.0	298.7	298.6	298.3
12°	299.4	298.9	298.4	298.1	297.9	297.7
12.5°	298.8	298.3	297.8	297.4	297.3	297.1
13°	298.2	297.7	297.2	296.8	296.7	296.7
13.5°	297.7	297.1	296.5	296.1	296.0	295.8
14°	297.1	296.5	295.9	295.4	295.3	295.2
14.5°	296.4	295.9	295.1	294.7	294.7	294.6
15°	295.7	295.1	294.4	294.0	293.9	294.1
15.5°	295.0	294.3	293.8	293.4	293.3	293.2
16°	294.3	293.7	292.9	292.6	292.6	292.4
16.5°	293.6	293.0	292.4	291.8	291.8	291.7
17°	293.0	292.3	291.5	291.0	290.9	290.7
17.5°	292.3	291.3	290.7	290.0	290.0	289.9
18°	291.5	290.5	289.7	289.2	289.2	289.1
18.5°	290.7	289.7	289.0	288.4	288.3	288.1
19°	289.8	288.7	287.9	287.6	287.4	287.3
19.5°	289.1	287.8	287.1	286.6	286.4	286.4
20°	288.2	287.0	286.2	285.7	285.5	285.6
20.5°	287.3	286.0	285.2	284.7	284.5	284.6
21°	286.2	285.0	284.2	283.7	283.6	283.6
21.5°	285.3	284.0	283.2	282.6	282.5	282.6
22°	284.3	283.0	282.2	281.6	281.5	281.4



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	283.2	282.0	281.0	280.6	280.4	280.4
23°	282.3	280.9	280.0	279.5	279.3	279.3
23.5°	281.2	279.9	279.0	278.4	278.2	278.2
24°	280.1	278.8	277.8	277.3	277.0	277.2
24.5°	279.0	277.7	276.7	276.2	276.0	276.0
25°	278.0	276.5	275.5	275.0	274.7	274.8
25.5°	276.9	275.3	274.4	273.8	273.5	273.6
26°	275.7	274.1	273.2	272.6	272.3	272.4
26.5°	274.7	273.0	272.1	271.3	271.2	271.2
27°	273.4	271.7	270.7	270.1	269.9	269.9
27.5°	272.1	270.5	269.4	268.8	268.5	268.8
28°	271.0	269.2	268.2	267.5	267.4	267.5
28.5°	269.6	268.0	266.9	266.2	266.0	266.1
29°	268.4	266.7	265.6	264.9	264.4	264.7
29.5°	267.2	265.3	263.9	263.6	263.2	263.5
30°	265.8	263.9	262.9	262.2	261.9	262.0
30.5°	264.5	262.6	261.2	261.0	260.5	260.7
31°	263.1	261.2	260.2	259.5	259.3	259.5
31.5°	261.8	259.9	258.7	258.0	258.0	258.0
32°	260.4	258.5	257.5	256.7	256.6	256.7
32.5°	259.2	257.1	256.0	255.1	255.1	255.2
33°	257.7	255.7	254.4	253.8	253.4	253.7
33.5°	256.2	254.1	252.9	252.3	252.0	252.2
34°	254.8	252.7	251.4	250.7	250.5	250.7
34.5°	253.4	251.1	249.9	249.2	248.9	249.2
35°	251.7	249.7	248.3	247.6	247.5	247.6
35.5°	250.4	248.1	246.9	246.1	245.9	246.1
36°	248.8	246.5	245.4	244.4	244.3	244.5
36.5°	247.2	244.9	243.7	242.9	242.7	242.9
37°	245.7	243.4	242.1	241.3	241.2	241.3
37.5°	244.1	241.7	240.5	239.7	239.5	239.6
38°	242.6	240.1	238.8	238.1	237.8	238.1
38.5°	240.8	238.5	237.2	236.4	236.2	236.3
39°	239.3	236.8	235.5	234.7	234.5	234.8
39.5°	237.6	235.1	234.0	233.1	232.9	233.2
40°	236.0	233.4	232.2	231.4	231.3	231.4
40.5°	234.3	231.7	230.5	229.8	229.6	229.7
41°	232.7	230.0	228.9	228.0	227.8	228.0
41.5°	231.0	228.4	227.1	226.3	226.1	226.3
42°	229.2	226.7	225.5	224.7	224.5	224.7
42.5°	227.6	225.1	223.8	222.9	222.6	223.0
43°	225.8	223.4	222.0	221.3	221.2	221.3
43.5°	224.3	221.6	220.3	219.5	219.3	219.5
44°	222.5	219.8	218.4	217.6	217.5	217.8
44.5°	220.8	218.0	216.7	215.9	215.7	215.9



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	219.1	216.2	214.9	214.2	213.9	214.2
45.5°	217.3	214.5	213.1	212.3	212.1	212.5
46°	215.6	212.8	211.4	210.5	210.3	210.7
46.5°	213.8	210.8	209.6	208.8	208.5	208.8
47°	212.1	209.0	207.7	207.0	206.7	207.0
47.5°	210.2	207.2	205.9	205.1	204.9	205.3
48°	208.5	205.4	204.1	203.4	203.0	203.4
48.5°	206.6	203.7	202.3	201.5	201.3	201.6
49°	204.9	201.8	200.4	199.7	199.4	199.8
49.5°	203.0	199.9	198.5	197.7	197.5	197.9
50°	201.2	198.1	196.7	196.0	195.7	196.1
50.5°	199.4	196.2	194.9	194.1	193.9	194.2
51°	197.5	194.4	193.1	192.3	192.0	192.4
51.5°	195.7	192.5	191.4	190.5	190.2	190.6
52°	193.9	190.9	189.4	188.7	188.4	188.8
52.5°	191.9	188.9	187.6	186.8	186.5	186.9
53°	190.2	187.1	185.7	184.9	184.7	185.1
53.5°	188.3	185.2	183.8	183.0	182.8	183.2
54°	186.6	183.4	182.0	181.1	180.9	181.3
54.5°	184.7	181.4	180.1	179.3	179.0	179.3
55°	182.7	179.6	178.2	177.5	177.1	177.5
55.5°	180.8	177.7	176.3	175.5	175.2	175.6
56°	179.0	175.9	174.6	173.7	173.3	173.6
56.5°	177.1	173.9	172.6	171.6	171.3	171.8
57°	175.1	171.9	170.6	169.8	169.6	169.9
57.5°	173.2	170.0	168.6	167.8	167.6	167.9
58°	171.2	168.2	166.8	166.0	165.6	166.2
58.5°	169.4	166.3	164.9	164.1	163.7	164.2
59°	167.4	164.3	163.0	162.1	161.9	162.3
59.5°	165.6	162.4	161.1	160.2	160.0	160.4
60°	163.6	160.5	159.1	158.4	158.2	158.5
60.5°	161.7	158.6	157.4	156.6	156.2	156.7
61°	159.9	156.9	155.5	154.6	154.3	154.8
61.5°	157.9	154.9	153.6	152.7	152.4	153.0
62°	156.2	153.0	151.6	150.8	150.5	151.1
62.5°	154.3	151.2	149.7	148.9	148.6	149.1
63°	152.3	149.3	147.7	146.9	146.7	147.2
63.5°	150.5	147.4	145.9	145.0	144.8	145.3
64°	148.6	145.4	143.9	143.1	142.8	143.3
64.5°	146.6	143.5	142.0	141.1	140.9	141.4
65°	144.8	141.6	140.1	139.3	139.1	139.5
65.5°	142.8	139.7	138.2	137.4	137.1	137.7
66°	140.9	137.8	136.3	135.6	135.2	135.8
66.5°	139.0	135.9	134.4	133.6	133.4	133.9
67°	137.1	134.0	132.6	131.7	131.6	132.1



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	135.4	132.2	130.7	129.9	129.6	130.1
68°	133.4	130.3	128.8	128.0	127.8	128.3
68.5°	131.5	128.4	126.9	126.2	125.9	126.5
69°	129.7	126.5	125.1	124.4	124.2	124.6
69.5°	127.8	124.8	123.4	122.5	122.4	122.9
70°	126.0	123.0	121.5	120.7	120.6	121.1
70.5°	124.1	121.2	119.7	118.9	118.8	119.3
71°	122.5	119.3	117.9	117.1	117.0	117.5
71.5°	120.6	117.6	116.1	115.3	115.2	115.7
72°	118.8	115.9	114.3	113.5	113.4	113.9
72.5°	117.0	114.0	112.6	111.7	111.7	112.2
73°	115.2	112.3	110.8	110.1	109.9	110.4
73.5°	113.4	110.6	109.2	108.3	108.2	108.7
74°	111.7	108.9	107.3	106.6	106.5	106.9
74.5°	110.0	107.2	105.8	104.9	104.8	105.2
75°	108.1	105.4	104.0	103.1	103.1	103.5
75.5°	106.5	103.8	102.4	101.5	101.4	101.9
76°	104.7	102.1	100.7	99.8	99.6	100.3
76.5°	103.1	100.4	98.9	98.1	98.0	98.6
77°	101.3	98.8	97.4	96.5	96.4	97.0
77.5°	99.8	97.1	95.7	94.9	94.8	95.4
78°	98.0	95.5	94.1	93.3	93.2	93.7
78.5°	96.4	93.8	92.5	91.7	91.6	92.2
79°	94.7	92.3	90.9	90.3	90.3	90.6
79.5°	93.2	90.8	89.5	88.8	88.7	89.2
80°	91.5	89.3	88.0	87.2	87.1	87.6
80.5°	90.1	87.8	86.5	85.7	85.7	86.1
81°	88.6	86.3	85.0	84.1	84.1	84.7
81.5°	87.1	84.8	83.5	82.6	82.7	83.1
82°	85.4	83.3	81.9	81.2	81.2	81.7
82.5°	83.9	81.8	80.6	79.8	79.7	80.3
83°	82.5	80.4	79.1	78.3	78.3	78.8
83.5°	81.1	78.9	77.6	76.9	76.8	77.4
84°	79.5	77.5	76.2	75.5	75.5	76.0
84.5°	78.1	76.1	74.8	74.2	74.1	74.6
85°	76.7	74.8	73.5	72.9	72.8	73.2
85.5°	75.3	73.4	72.2	71.3	71.4	71.9
86°	73.9	72.1	70.8	70.1	70.1	70.6
86.5°	72.5	70.7	69.4	68.8	68.8	69.3
87°	71.1	69.4	68.2	67.5	67.5	68.0
87.5°	69.7	68.2	67.0	66.2	66.3	66.8
88°	68.5	66.9	65.7	65.0	65.0	65.6
88.5°	67.1	65.7	64.4	63.8	63.8	64.4
89°	65.8	64.4	63.1	62.6	62.6	63.1
89.5°	64.6	63.1	62.0	61.4	61.4	61.9



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	63.3	61.9	60.8	60.2	60.2	60.8
90.5°	62.0	60.7	59.7	59.0	59.0	59.6
91°	60.9	59.7	58.5	57.9	57.9	58.4
91.5°	59.7	58.5	57.4	56.8	56.8	57.4
92°	58.4	57.4	56.4	55.8	55.9	56.3
92.5°	57.3	56.4	55.3	54.7	54.9	55.3
93°	56.2	55.3	54.3	53.6	53.8	54.3
93.5°	55.3	54.2	53.2	52.6	52.7	53.2
94°	54.1	53.2	52.2	51.6	51.8	52.2
94.5°	52.8	52.2	51.3	50.7	50.6	51.2
95°	51.9	51.2	50.2	49.7	49.7	50.3
95.5°	51.1	50.2	49.3	48.7	48.7	49.3
96°	50.0	49.3	48.3	47.7	47.8	48.3
96.5°	48.9	48.3	47.4	46.8	46.8	47.5
97°	48.0	47.3	46.6	45.9	45.9	46.6
97.5°	47.0	46.5	45.7	45.0	45.0	45.6
98°	46.1	45.6	44.8	44.2	44.2	44.8
98.5°	45.2	44.7	43.9	43.3	43.4	44.0
99°	44.2	43.8	43.1	42.5	42.5	43.2
99.5°	43.4	43.0	42.3	41.7	41.7	42.4
100°	42.5	42.2	41.5	40.9	40.9	41.6
100.5°	41.7	41.4	40.7	40.1	40.2	40.8
101°	41.0	40.6	39.9	39.4	39.5	40.0
101.5°	39.9	39.9	39.2	38.7	38.7	39.3
102°	39.5	39.2	38.5	38.0	38.0	38.6
102.5°	38.6	38.3	37.8	37.2	37.4	37.8
103°	37.9	37.6	37.1	36.6	36.7	37.2
103.5°	37.0	36.9	36.5	36.1	35.8	36.5
104°	36.4	36.2	35.7	35.5	35.5	35.9
104.5°	35.5	35.6	34.9	34.9	34.9	35.3
105°	35.0	35.0	34.6	34.3	34.3	34.7
105.5°	34.5	34.4	34.0	33.8	33.7	34.1
106°	34.0	33.8	33.4	33.2	33.2	33.5
106.5°	33.2	33.1	32.9	32.7	32.7	33.0
107°	32.8	32.6	32.4	32.2	32.1	32.4
107.5°	32.1	32.1	31.8	31.7	31.6	32.0
108°	31.6	31.6	31.4	31.2	31.2	31.5
108.5°	31.0	31.0	30.8	30.8	30.6	31.0
109°	30.4	30.6	30.4	30.2	30.2	30.6
109.5°	30.0	30.1	29.9	29.8	29.8	30.1
110°	29.4	29.6	29.4	29.4	29.3	29.7
110.5°	29.0	29.1	29.0	29.0	28.9	29.3
111°	28.4	28.7	28.6	28.6	28.5	28.9
111.5°	28.0	28.3	28.2	28.2	28.1	28.4
112°	27.6	27.8	27.9	27.9	27.8	28.1



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	27.1	27.5	27.5	27.5	27.4	27.7
113°	26.9	27.1	27.1	27.1	27.1	27.4
113.5°	26.3	26.7	26.8	26.9	26.7	27.0
114°	26.1	26.3	26.5	26.5	26.4	26.7
114.5°	25.9	26.1	26.1	26.2	26.1	26.4
115°	25.3	25.7	25.7	25.9	25.7	26.0
115.5°	24.9	25.5	25.5	25.6	25.5	25.7
116°	24.7	25.1	25.2	25.3	25.1	25.4
116.5°	24.3	24.9	24.9	25.0	24.8	25.1
117°	23.9	24.6	24.7	24.7	24.5	24.8
117.5°	23.7	24.3	24.4	24.5	24.2	24.6
118°	23.4	24.0	24.1	24.2	23.9	24.3
118.5°	23.1	23.7	23.9	23.9	23.7	24.0
119°	22.9	23.5	23.6	23.7	23.4	23.8
119.5°	22.8	23.4	23.4	23.4	23.2	23.6
120°	22.6	23.0	23.2	23.3	22.9	23.4
120.5°	22.2	23.0	23.0	23.0	22.9	23.1
121°	22.0	22.8	23.0	23.0	22.8	23.0
121.5°	22.0	22.6	22.8	22.8	22.6	22.9
122°	21.8	22.5	22.6	22.6	22.4	22.9
122.5°	21.8	22.4	22.5	22.4	22.2	22.7
123°	21.5	22.2	22.4	22.3	22.0	22.7
123.5°	21.3	22.1	22.2	22.2	22.0	22.5
124°	21.1	22.0	22.1	22.0	21.8	22.4
124.5°	21.0	21.9	22.0	21.8	21.8	22.3
125°	20.9	21.8	21.9	21.7	21.6	22.3
125.5°	21.0	21.7	21.8	21.6	21.5	22.2
126°	20.9	21.6	21.8	21.5	21.5	22.1
126.5°	20.9	21.4	21.7	21.4	21.4	22.0
127°	20.9	21.4	21.6	21.4	21.3	21.9
127.5°	20.9	21.4	21.6	21.3	21.4	21.8
128°	20.9	21.4	21.5	21.2	21.2	21.8
128.5°	20.9	21.2	21.4	21.2	21.2	21.8
129°	20.9	21.2	21.4	21.2	21.2	21.7
129.5°	20.9	21.3	21.4	21.2	21.2	21.7
130°	20.9	21.2	21.4	21.2	21.2	21.7
130.5°	20.9	21.2	21.4	21.1	21.2	21.7
131°	20.9	21.2	21.4	21.1	21.2	21.7
131.5°	20.9	21.2	21.4	21.1	21.2	21.7
132°	20.9	21.2	21.4	21.1	21.2	21.7
132.5°	21.0	21.2	21.4	21.1	21.2	21.7
133°	21.0	21.2	21.4	21.1	21.2	21.7
133.5°	21.1	21.2	21.4	21.1	21.2	21.7
134°	21.2	21.2	21.4	21.1	21.2	21.7
134.5°	21.2	21.2	21.4	21.1	21.2	21.7



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	21.3	21.2	21.4	21.1	21.2	21.7
135.5°	21.4	21.2	21.4	21.1	21.2	21.7
136°	21.4	21.2	21.4	21.2	21.2	21.7
136.5°	21.5	21.2	21.4	21.2	21.2	21.7
137°	21.6	21.4	21.4	21.2	21.2	21.9
137.5°	21.6	21.6	21.4	21.4	21.2	21.9
138°	21.8	21.9	21.4	21.4	21.3	21.9
138.5°	21.9	21.8	21.8	21.7	21.6	21.9
139°	22.0	21.9	21.8	21.8	21.8	22.0
139.5°	22.1	21.9	21.9	21.8	21.8	21.9
140°	22.1	22.0	21.9	21.9	21.8	22.1
140.5°	22.1	22.0	22.0	22.0	21.9	22.3
141°	22.1	22.1	22.0	22.0	22.0	22.7
141.5°	22.2	22.3	22.2	22.0	22.1	22.8
142°	22.3	22.7	22.4	22.2	22.3	22.8
142.5°	22.4	22.8	22.6	22.4	22.7	22.9
143°	22.5	22.8	22.7	22.7	22.8	23.1
143.5°	22.6	22.9	22.7	22.8	22.8	23.2
144°	22.7	23.1	22.9	22.8	22.9	23.6
144.5°	22.9	23.2	23.1	22.8	23.0	23.7
145°	22.9	23.7	23.2	23.0	23.3	23.7
145.5°	23.1	23.8	23.2	23.2	23.5	23.9
146°	23.2	23.8	23.5	23.3	23.8	24.0
146.5°	23.4	23.9	23.7	23.6	23.8	24.2
147°	23.5	24.0	23.8	23.7	23.8	24.3
147.5°	23.7	24.1	23.8	23.8	23.9	24.7
148°	23.9	24.2	23.9	23.9	24.1	24.8
148.5°	23.9	24.3	23.9	23.9	24.3	25.0
149°	23.9	24.4	24.0	24.0	24.3	25.0
149.5°	23.9	24.7	24.2	24.1	24.5	25.0
150°	23.9	25.0	24.3	24.3	24.7	25.1
150.5°	23.9	24.9	24.3	24.3	24.9	25.1
151°	23.9	25.0	24.6	24.5	24.9	25.2
151.5°	23.9	24.9	24.7	24.5	24.9	25.2
152°	23.9	25.1	24.7	24.5	24.9	25.2
152.5°	23.9	25.1	24.7	24.5	25.0	25.2
153°	23.8	25.1	24.7	24.5	24.9	25.2
153.5°	23.7	24.9	24.7	24.5	24.9	25.2
154°	23.7	24.9	24.7	24.5	24.9	25.2
154.5°	23.5	24.7	24.7	24.5	24.9	25.2
155°	23.3	24.6	24.6	24.5	24.9	25.2
155.5°	23.2	24.5	24.5	24.5	24.9	25.2
156°	23.1	24.3	24.5	24.5	24.9	25.2
156.5°	23.0	24.2	24.4	24.5	24.7	25.2
157°	22.9	24.1	24.3	24.4	24.6	25.0



TEST NUMBER: P601021
 CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	22.8	24.0	24.3	24.4	24.6	24.9
158°	22.8	23.9	24.2	24.3	24.5	24.9
158.5°	22.8	23.9	24.1	24.2	24.4	24.8
159°	22.6	23.7	24.1	24.1	24.3	24.6
159.5°	22.4	23.7	23.9	24.1	24.3	24.6
160°	22.2	23.6	23.8	23.9	24.1	24.6
160.5°	22.1	23.5	23.8	23.8	24.1	24.4
161°	22.0	23.4	23.7	23.7	24.1	24.3
161.5°	22.0	23.2	23.6	23.7	23.9	24.1
162°	21.9	23.1	23.4	23.6	23.8	23.9
162.5°	21.9	22.9	23.3	23.5	23.7	23.8
163°	21.9	22.8	23.1	23.4	23.7	23.6
163.5°	21.8	22.7	23.1	23.3	23.6	23.3
164°	21.6	22.6	22.9	23.2	23.5	23.1
164.5°	21.5	22.4	23.0	23.1	23.3	23.0
165°	21.4	22.4	22.8	23.1	23.3	22.9
165.5°	21.2	22.2	22.8	22.9	23.1	22.8
166°	21.2	22.2	22.6	22.9	22.9	22.7
166.5°	21.1	22.0	22.4	22.9	22.9	22.5
167°	21.0	21.8	22.2	22.8	22.7	22.3
167.5°	20.8	21.7	22.0	22.6	22.4	22.1
168°	20.6	21.4	21.8	22.4	22.2	21.9
168.5°	20.7	21.4	21.6	22.1	21.9	21.8
169°	20.7	21.2	21.4	21.7	21.6	21.7
169.5°	20.4	21.0	21.2	21.4	21.4	21.5
170°	20.1	20.9	21.1	21.0	21.2	21.3
170.5°	20.0	20.6	20.8	20.6	21.0	21.2
171°	19.7	20.5	20.6	20.3	20.8	21.0
171.5°	19.6	20.3	20.2	19.9	20.5	20.8
172°	19.6	19.9	19.9	19.5	20.2	20.5
172.5°	19.4	19.6	19.4	19.0	19.7	20.3
173°	19.0	19.1	18.9	18.7	19.3	19.9
173.5°	18.9	18.9	18.6	18.4	18.9	19.6
174°	19.0	18.9	18.6	18.4	18.8	19.6
174.5°	19.1	20.5	20.1	20.0	20.2	20.8
175°	20.6	21.6	21.3	21.2	21.4	21.9
175.5°	22.4	21.9	21.9	21.9	21.9	22.3
176°	23.2	22.5	22.4	22.4	22.5	22.7
176.5°	23.7	22.9	22.9	22.9	22.9	23.0
177°	24.0	23.5	23.5	23.3	23.5	23.7
177.5°	24.3	23.7	23.7	23.8	23.8	23.8
178°	24.3	23.8	23.8	23.9	24.0	24.0
178.5°	24.3	24.0	24.0	24.1	24.2	24.2
179°	24.3	24.1	24.1	24.1	24.3	24.3
179.5°	24.3	24.3	24.2	24.2	24.4	24.5



TEST NUMBER: P601021
CATALOG NUMBER: FM119S1EWHR_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	24.7	24.7	24.7	24.7	24.7	24.7

(END OF REPORT)