

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: P601025

Luminaire Tested: FM119S1EWHR_5000K

Issue Date: 3/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P601025
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_5000K
Description: FM119S1EWHR at 5000K
Light Source: -
Ballast/Driver: -

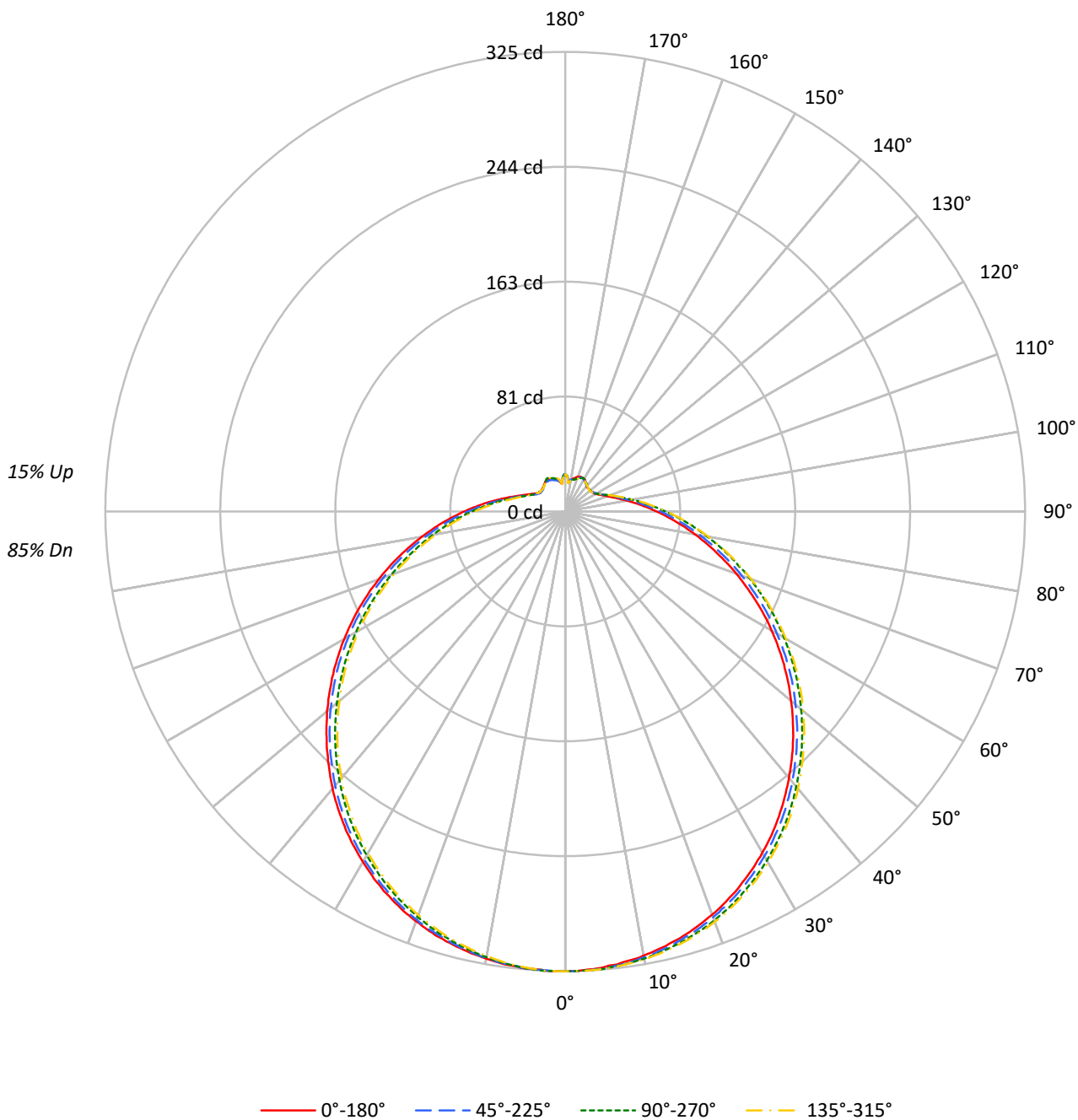
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1348.9 lumens
Efficiency: N/A
Efficacy: 93.7 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): 14.4
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_5000K

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°	3820	3820	3820	3820
5°	3688	3701	3699	3697
10°	3562	3586	3586	3574
15°	3444	3476	3479	3456
20°	3325	3371	3378	3342
25°	3207	3264	3273	3226
30°	3086	3158	3170	3109
35°	2968	3050	3063	2993
40°	2845	2938	2958	2869
45°	2724	2828	2848	2750
50°	2603	2719	2745	2630
55°	2486	2614	2635	2515
60°	2366	2509	2531	2397
65°	2248	2407	2430	2281
70°	2137	2306	2328	2172
75°	2039	2220	2238	2074
80°	1965	2150	2169	2005
85°	1926	2119	2134	1968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 2854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	2.3
10°-20°	88.8	6.6
20°-30°	136.3	10.1
30°-40°	167.6	12.4
40°-50°	180.0	13.3
50°-60°	174.1	12.9
60°-70°	153.0	11.3
70°-80°	122.4	9.1
80°-90°	89.9	6.7
90°-100°	61.6	4.6
100°-110°	40.9	3.0
110°-120°	28.1	2.1
120°-130°	21.0	1.6
130°-140°	17.8	1.3
140°-150°	15.6	1.2
150°-160°	11.9	0.9
160°-170°	6.7	0.5
170°-180°	2.1	0.2
0°-30°	255.9	19.0
0°-40°	423.6	31.4
0°-60°	777.7	57.7
0°-90°	1143.0	84.7
90°-120°	130.6	9.7
90°-150°	185.0	13.7
90°-180°	206.0	15.3
0°-180°	1348.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	325	325	325	325	325	
5°	323	324	324	324	323	31
15°	313	316	316	314	313	88
25°	292	297	298	294	292	135
35°	263	271	272	266	263	165
45°	228	236	238	230	228	176
55°	189	198	200	191	189	169
65°	148	159	160	150	148	147
75°	110	120	121	112	110	117
85°	78	86	86	80	78	67
90°	65	71	71	66	65	35
95°	53	58	59	54	53	42
105°	37	40	40	37	37	39
115°	28	29	29	27	28	28
125°	24	23	23	23	24	21
135°	23	23	23	23	23	18
145°	25	26	25	25	25	16
155°	27	26	25	26	27	12
165°	24	23	23	24	24	7
175°	23	22	21	23	23	2
180°	26	26	26	26	26	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1
0.5°	325.0	325.1	325.2	325.2	325.2	325.1	325.1	325.1	325.1	325.1	325.1
1°	325.0	325.0	325.2	325.2	325.2	325.1	325.1	325.2	325.1	325.0	325.1
1.5°	325.0	325.0	325.2	325.2	325.0	325.1	325.1	325.2	325.1	324.9	325.0
2°	324.8	324.9	325.2	325.2	325.0	325.2	325.2	325.0	325.1	324.7	324.9
2.5°	324.6	324.7	325.0	325.2	324.9	325.2	325.0	325.1	325.1	324.7	324.8
3°	324.3	324.5	325.0	325.2	324.9	325.1	325.1	325.0	324.5	324.6	324.7
3.5°	324.2	324.3	324.6	325.0	324.9	325.0	324.8	324.9	324.5	324.5	324.6
4°	323.9	324.1	324.5	324.7	324.7	324.7	324.8	324.8	324.3	324.3	324.5
4.5°	323.7	323.8	324.3	324.7	324.6	324.7	324.7	324.6	324.2	324.2	324.3
5°	323.3	323.6	324.0	324.6	324.5	324.6	324.5	324.6	324.3	324.1	324.2
5.5°	322.7	323.3	323.9	324.2	324.1	324.5	324.4	324.6	324.2	323.9	324.0
6°	322.6	323.0	323.5	323.8	323.9	324.2	324.1	324.2	323.7	323.5	323.5
6.5°	322.4	322.6	323.3	323.5	323.6	323.9	323.8	323.8	323.4	323.4	323.3
7°	321.8	322.2	322.8	323.2	323.3	323.5	323.5	323.6	323.2	323.1	323.0
7.5°	321.2	321.9	322.4	322.9	323.0	323.4	323.4	323.4	323.1	322.8	322.6
8°	320.9	321.4	322.1	322.5	322.7	323.0	322.9	323.0	322.8	322.4	322.3
8.5°	320.5	320.9	321.7	322.1	322.3	322.6	322.7	322.7	322.4	322.1	322.1
9°	320.2	320.4	321.2	321.6	321.9	322.2	322.3	322.3	322.1	321.7	321.4
9.5°	319.7	320.0	320.7	321.3	321.5	321.9	321.9	322.0	321.5	321.3	321.2
10°	319.0	319.5	320.2	320.9	321.2	321.4	321.5	321.5	321.2	320.9	320.7
10.5°	318.4	318.9	319.7	320.4	320.7	321.1	321.2	321.2	320.7	320.4	320.3
11°	317.9	318.4	319.2	319.8	320.2	320.5	320.7	320.8	320.2	320.0	319.7
11.5°	317.1	317.8	318.6	319.2	319.7	320.0	320.2	320.4	319.8	319.5	319.2
12°	316.5	317.1	318.0	318.6	319.2	319.6	319.7	319.9	319.4	319.0	318.7
12.5°	315.9	316.5	317.4	318.0	318.6	319.0	319.2	319.2	318.8	318.4	318.1
13°	315.5	315.8	316.8	317.5	318.0	318.5	318.8	318.7	318.2	317.9	317.6
13.5°	314.5	315.2	316.1	316.8	317.4	317.9	318.2	318.3	317.6	317.4	317.0
14°	313.8	314.3	315.5	316.2	316.8	317.4	317.5	317.6	317.1	316.7	316.3
14.5°	313.2	313.7	314.7	315.5	316.2	316.9	316.9	317.0	316.6	316.2	315.7
15°	312.6	312.9	314.0	314.8	315.5	316.1	316.3	316.3	315.8	315.5	315.0
15.5°	311.7	312.2	313.2	314.0	314.8	315.6	315.7	315.8	315.3	314.8	314.3
16°	310.9	311.5	312.4	313.2	314.1	314.7	315.0	315.1	314.4	314.1	313.5
16.5°	310.1	310.7	311.8	312.4	313.3	314.0	314.3	314.3	313.9	313.3	312.8
17°	309.1	309.8	310.9	312.0	312.6	313.4	313.6	313.6	313.4	312.7	312.1
17.5°	308.2	309.0	310.1	311.1	311.8	312.4	312.8	312.8	312.4	312.0	311.3
18°	307.3	308.1	309.2	310.2	311.3	311.7	312.1	312.1	311.7	311.0	310.7
18.5°	306.3	307.2	308.3	309.4	310.3	311.2	311.4	311.3	310.9	310.5	309.8
19°	305.4	306.2	307.4	308.4	309.6	310.2	310.6	310.7	310.2	309.6	308.9
19.5°	304.4	305.3	306.5	307.6	308.8	309.5	309.7	309.8	309.0	308.7	308.1
20°	303.6	304.3	305.4	306.6	307.8	308.5	308.9	309.0	308.4	307.8	307.1
20.5°	302.5	303.2	304.4	305.6	306.9	307.6	308.0	308.1	307.6	306.9	306.3
21°	301.5	302.2	303.5	304.6	305.9	306.7	307.1	307.2	306.6	306.2	305.3
21.5°	300.4	301.1	302.0	303.6	304.9	305.8	306.2	306.3	305.7	305.1	304.3
22°	299.2	300.0	301.5	302.6	304.0	304.6	305.2	305.3	305.0	304.1	303.3



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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°	298.1	298.9	300.3	301.6	303.0	303.8	304.2	304.3	303.8	303.0	302.3
23°	296.9	297.8	299.2	300.5	301.9	302.6	303.2	303.3	302.5	301.9	301.2
23.5°	295.8	296.7	298.2	299.4	300.8	301.6	302.2	302.2	301.8	300.9	300.1
24°	294.7	295.4	296.9	298.3	299.7	300.6	301.1	301.2	300.6	299.9	299.0
24.5°	293.5	294.3	295.7	297.1	298.7	299.5	299.9	300.0	299.4	298.8	297.8
25°	292.2	293.2	294.6	295.9	297.4	298.2	298.8	298.9	298.3	297.7	296.8
25.5°	290.8	292.0	293.4	294.7	296.3	297.3	297.7	297.8	297.5	296.5	295.4
26°	289.6	290.5	292.1	293.6	295.2	296.2	296.6	296.6	296.2	295.3	294.5
26.5°	288.4	289.2	290.7	292.3	293.8	295.0	295.4	295.5	294.9	294.1	293.1
27°	286.9	287.9	289.6	291.0	292.8	293.7	294.2	294.3	293.8	292.9	291.9
27.5°	285.7	286.6	288.3	289.7	291.5	292.5	293.1	293.0	292.7	291.7	290.7
28°	284.4	285.2	286.9	288.5	290.2	291.2	291.7	291.9	291.2	290.4	289.4
28.5°	282.9	283.9	285.5	287.1	288.9	289.9	290.5	290.6	290.0	289.2	288.1
29°	281.4	282.4	284.3	285.8	287.7	288.7	289.2	289.3	288.7	287.9	286.8
29.5°	280.2	281.1	282.8	284.4	286.3	287.4	287.9	288.0	287.3	286.6	285.5
30°	278.5	280.0	281.4	283.0	285.0	286.0	286.5	286.6	286.1	285.2	284.1
30.5°	277.2	278.3	280.1	281.7	283.6	284.6	285.2	285.3	284.7	283.8	282.7
31°	275.8	276.8	278.6	280.1	282.2	283.3	283.8	284.0	283.4	282.5	281.2
31.5°	274.3	275.6	277.2	278.7	280.8	281.9	282.4	282.6	281.9	281.0	279.9
32°	272.9	274.1	275.9	277.3	279.4	280.6	281.0	281.1	280.5	279.7	278.4
32.5°	271.3	272.5	274.3	275.9	277.9	279.0	279.6	279.8	279.2	278.3	277.0
33°	269.7	271.0	272.6	274.7	276.5	277.5	278.2	278.3	277.8	276.9	275.5
33.5°	268.1	269.4	271.3	272.9	275.1	276.1	276.7	276.9	276.2	275.3	274.0
34°	266.5	267.7	269.6	271.5	273.7	274.7	275.3	275.5	275.0	273.9	272.5
34.5°	264.9	266.1	268.0	269.9	272.0	273.2	273.9	274.1	273.5	272.5	271.0
35°	263.3	264.5	266.5	268.2	270.6	271.8	272.2	272.5	271.7	271.0	269.5
35.5°	261.6	262.9	264.9	266.7	269.1	270.2	270.7	270.9	270.4	269.4	267.9
36°	259.9	261.2	263.3	265.0	267.4	268.6	269.2	269.4	268.7	267.8	266.3
36.5°	258.2	259.6	261.6	263.3	265.8	267.0	267.6	267.7	267.2	266.3	264.7
37°	256.5	257.8	259.8	261.8	264.1	265.5	266.0	266.3	265.6	264.6	263.0
37.5°	254.7	256.2	258.1	260.1	262.5	263.7	264.3	264.6	264.0	262.9	261.5
38°	253.1	254.4	256.6	258.4	260.8	262.0	262.6	262.9	262.4	261.2	259.7
38.5°	251.2	252.7	254.8	256.7	259.2	260.5	261.0	261.3	260.9	259.6	258.1
39°	249.6	251.0	253.1	255.0	257.4	258.6	259.4	259.6	259.1	257.9	256.4
39.5°	247.9	249.2	251.4	253.3	255.9	257.1	257.8	257.9	257.5	256.4	254.7
40°	246.0	247.4	249.6	251.6	254.1	255.2	255.9	256.2	255.8	254.5	252.9
40.5°	244.2	245.6	247.8	249.9	252.4	253.5	254.2	254.4	254.0	252.9	251.2
41°	242.4	243.9	246.0	248.0	250.6	251.8	252.5	252.7	252.3	251.1	249.4
41.5°	240.6	242.0	244.4	246.2	248.9	250.1	250.7	250.9	250.5	249.4	247.6
42°	238.9	240.1	242.4	244.5	247.1	248.4	248.9	249.2	248.7	247.6	245.8
42.5°	237.1	238.5	240.6	242.7	245.3	246.6	247.2	247.5	246.9	245.8	243.9
43°	235.2	236.7	238.9	240.9	243.6	244.7	245.3	245.7	245.1	244.0	242.1
43.5°	233.4	234.9	237.1	239.2	241.7	242.9	243.7	243.9	243.5	242.2	240.4
44°	231.5	233.1	235.3	237.4	239.8	241.2	241.8	242.1	241.5	240.3	238.7
44.5°	229.5	231.1	233.4	235.6	238.2	239.3	239.9	240.3	239.7	238.7	237.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	227.7	229.3	231.5	233.7	236.4	237.7	238.2	238.6	238.1	236.9	235.1
45.5°	226.0	227.3	229.7	231.9	234.6	235.8	236.5	236.7	236.4	235.2	233.4
46°	224.0	225.5	227.8	230.0	232.7	233.8	234.6	234.9	234.4	233.3	231.4
46.5°	222.0	223.6	226.1	228.1	230.9	232.2	232.8	233.1	232.5	231.6	229.6
47°	220.1	221.7	224.1	226.2	229.1	230.2	230.9	231.2	230.8	229.7	227.7
47.5°	218.3	219.7	222.1	224.3	227.2	228.4	229.0	229.4	228.9	227.7	225.8
48°	216.3	217.8	220.1	222.4	225.4	226.4	227.2	227.5	227.0	225.9	224.0
48.5°	214.3	215.9	218.2	220.6	223.4	224.6	225.3	225.6	225.1	224.0	222.1
49°	212.4	213.9	216.3	218.6	221.5	222.7	223.3	223.8	223.1	222.1	220.2
49.5°	210.4	212.0	214.4	216.8	219.6	220.9	221.5	221.9	221.4	220.3	218.4
50°	208.4	210.1	212.4	214.8	217.7	218.9	219.6	220.0	219.8	218.5	216.3
50.5°	206.4	208.1	210.6	212.9	215.8	217.0	217.6	218.0	217.5	216.5	214.3
51°	204.5	206.2	208.6	210.9	213.9	215.1	215.7	216.0	215.6	214.5	212.5
51.5°	202.6	204.2	206.7	208.9	212.0	213.3	213.9	214.2	214.0	212.7	210.6
52°	200.7	202.4	204.8	207.0	210.1	211.2	211.9	212.3	211.8	210.7	208.7
52.5°	198.7	200.3	202.9	205.0	208.1	209.3	209.9	210.3	209.9	208.8	206.6
53°	196.8	198.4	200.9	203.3	206.1	207.4	208.0	208.3	207.9	206.9	204.7
53.5°	194.8	196.4	199.0	201.3	204.2	205.4	206.0	206.4	205.9	204.8	202.8
54°	192.7	194.4	196.9	199.4	202.4	203.4	204.1	204.3	204.2	203.0	200.7
54.5°	190.6	192.4	195.0	197.4	200.5	201.6	202.2	202.5	202.3	201.0	198.8
55°	188.8	190.4	192.9	195.5	198.5	199.7	200.2	200.6	200.1	199.2	196.9
55.5°	186.7	188.3	190.9	193.5	196.4	197.7	198.3	198.6	198.3	197.1	194.9
56°	184.6	186.4	188.9	191.4	194.5	195.5	196.1	196.5	196.3	195.1	193.0
56.5°	182.7	184.3	187.0	189.4	192.6	193.7	194.2	194.5	194.2	193.1	190.9
57°	180.7	182.3	184.9	187.4	190.6	191.6	192.2	192.6	192.3	191.2	189.0
57.5°	178.5	180.2	182.9	185.6	188.6	189.8	190.1	190.5	190.3	189.3	186.8
58°	176.6	178.4	181.0	183.4	186.6	187.7	188.2	188.6	188.3	187.3	184.9
58.5°	174.6	176.3	178.9	181.4	184.6	185.7	186.1	186.6	186.3	185.1	182.7
59°	172.5	174.3	177.0	179.4	182.7	183.6	184.1	184.6	184.3	183.3	180.8
59.5°	170.5	172.3	174.8	177.4	180.7	181.8	182.1	182.5	182.3	181.2	178.7
60°	168.5	170.3	172.9	175.4	178.7	179.7	180.1	180.5	180.3	179.2	176.9
60.5°	166.6	168.2	170.8	173.4	176.7	177.6	178.0	178.4	178.2	177.1	174.8
61°	164.6	166.4	168.9	171.4	174.6	175.6	176.0	176.4	176.2	175.1	172.8
61.5°	162.6	164.3	167.0	169.6	172.6	173.5	173.9	174.4	174.2	173.0	170.7
62°	160.6	162.3	164.9	167.7	170.7	171.6	171.9	172.4	172.2	171.1	168.8
62.5°	158.5	160.2	162.9	165.6	168.6	169.6	169.9	170.4	170.3	169.0	167.0
63°	156.5	158.2	160.8	163.5	166.8	167.6	167.9	168.2	168.2	167.1	164.8
63.5°	154.4	156.1	158.9	161.6	164.8	165.7	166.0	166.4	166.2	165.1	162.8
64°	152.4	154.1	156.8	159.6	162.8	163.7	164.0	164.5	164.3	163.1	160.8
64.5°	150.4	152.1	154.8	157.6	160.7	161.7	162.0	162.4	162.3	161.1	158.7
65°	148.3	150.0	152.7	155.5	158.8	159.7	159.9	160.4	160.3	159.2	156.7
65.5°	146.4	148.0	150.7	153.5	156.8	157.6	157.9	158.4	158.2	157.1	154.7
66°	144.3	145.9	148.6	151.4	154.8	155.6	155.8	156.3	156.2	154.9	152.6
66.5°	142.3	144.0	146.6	149.5	152.8	153.6	153.8	154.3	154.2	153.0	150.6
67°	140.4	141.9	144.7	147.6	150.8	151.6	151.8	152.3	152.1	151.0	148.7



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	138.3	140.0	142.6	145.4	148.9	149.6	149.9	150.3	150.2	149.1	146.8
68°	136.4	138.0	140.8	143.4	146.8	147.6	147.9	148.3	148.3	147.0	144.5
68.5°	134.5	136.2	138.8	141.5	144.8	145.6	145.8	146.2	146.2	145.0	142.5
69°	132.5	134.1	136.8	139.5	142.8	143.6	143.9	144.2	144.1	143.0	140.6
69.5°	130.7	132.2	134.8	137.6	140.8	141.6	141.8	142.2	142.1	141.0	138.5
70°	128.7	130.4	132.9	135.7	138.9	139.6	139.9	140.3	140.2	138.9	136.5
70.5°	126.8	128.4	131.0	133.6	136.9	137.8	137.8	138.3	138.2	137.1	134.7
71°	125.0	126.5	129.1	131.9	135.0	135.6	135.9	136.3	136.2	135.1	132.7
71.5°	123.0	124.6	127.2	129.9	133.4	133.7	133.9	134.3	134.3	133.1	130.9
72°	121.1	122.7	125.3	128.0	131.3	131.8	132.0	132.3	132.3	131.2	128.6
72.5°	119.3	120.9	123.5	126.1	128.6	130.1	130.2	130.6	130.6	129.3	126.9
73°	117.3	118.9	121.5	124.2	127.1	128.1	128.2	128.6	128.6	127.4	125.1
73.5°	115.6	117.2	119.6	122.3	125.4	126.3	126.4	126.7	126.6	125.5	123.1
74°	113.7	115.2	117.8	120.5	123.6	124.4	124.5	124.9	124.7	123.5	121.2
74.5°	111.9	113.6	115.9	118.6	121.8	122.4	122.5	123.0	122.9	121.7	119.3
75°	110.1	111.6	114.1	116.7	119.9	120.6	120.7	121.0	120.9	119.6	117.5
75.5°	108.3	109.9	112.3	114.9	118.0	118.7	118.8	119.2	119.0	117.8	115.6
76°	106.6	108.0	110.4	113.2	116.2	116.9	117.0	117.3	117.2	116.1	113.5
76.5°	104.8	106.3	108.7	111.3	114.3	115.0	115.1	115.5	115.2	114.1	111.9
77°	103.1	104.6	106.9	109.5	112.7	113.2	113.3	113.6	113.6	112.3	110.0
77.5°	101.4	102.8	105.2	107.8	110.8	111.4	111.6	111.9	111.6	110.5	108.4
78°	99.6	101.1	103.5	106.0	108.9	109.6	109.7	109.9	109.8	108.7	106.4
78.5°	98.0	99.4	101.7	104.3	107.2	107.8	107.9	108.3	108.1	106.9	104.8
79°	96.4	97.7	100.1	102.6	105.4	106.0	106.2	106.4	106.3	105.0	103.0
79.5°	94.9	96.2	98.3	100.8	103.6	104.2	104.4	104.7	104.5	103.2	101.3
80°	93.1	94.6	96.7	99.1	101.9	102.6	102.6	103.0	102.8	101.6	99.6
80.5°	91.6	93.0	95.2	97.4	100.2	100.8	100.9	101.2	101.0	99.7	97.7
81°	90.0	91.4	93.6	96.0	98.5	99.2	99.3	99.6	99.4	98.0	96.0
81.5°	88.3	89.8	91.9	94.4	96.8	97.4	97.6	97.8	97.5	96.3	94.6
82°	86.8	88.2	90.4	92.6	95.3	95.7	95.9	96.1	95.9	94.9	92.9
82.5°	85.4	86.7	88.7	91.1	93.7	94.2	94.5	94.7	94.4	93.1	91.3
83°	83.8	85.2	87.2	89.4	92.0	92.7	92.8	93.0	92.7	91.5	89.6
83.5°	82.2	83.6	85.7	87.9	90.5	91.1	91.1	91.4	91.1	89.9	88.0
84°	80.8	82.2	84.1	86.3	88.8	89.4	89.5	89.7	89.4	88.2	86.4
84.5°	79.3	80.7	82.6	84.8	87.2	87.8	87.9	88.2	87.8	86.6	84.8
85°	77.8	79.2	81.1	83.2	85.6	86.2	86.3	86.6	86.2	85.0	83.1
85.5°	76.4	77.8	79.7	81.9	84.0	84.7	84.8	85.1	84.7	83.4	81.6
86°	75.1	76.3	78.2	80.3	82.6	83.1	83.2	83.5	83.1	81.9	80.1
86.5°	73.7	75.0	76.8	78.9	81.0	81.6	81.8	81.9	81.5	80.4	78.7
87°	72.3	73.6	75.3	77.5	79.5	80.1	80.2	80.4	80.1	78.8	77.1
87.5°	71.0	72.3	73.9	76.0	78.0	78.6	78.7	79.0	78.5	77.3	75.7
88°	69.7	70.9	72.6	74.6	76.7	77.1	77.2	77.4	77.0	75.8	74.2
88.5°	68.4	69.6	71.3	73.2	75.1	75.7	75.8	76.0	75.6	74.4	72.8
89°	67.1	68.3	70.0	71.8	73.7	74.2	74.4	74.5	74.2	73.0	71.4
89.5°	65.8	67.0	68.7	70.6	72.4	73.0	73.0	73.2	72.8	71.5	70.1



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	64.6	65.7	67.4	69.1	71.1	71.5	71.6	71.7	71.4	70.3	68.6
90.5°	63.3	64.6	66.2	67.9	69.6	70.1	70.2	70.4	70.0	68.8	67.4
91°	62.1	63.3	64.9	66.6	68.3	68.8	69.0	69.1	68.6	67.6	65.9
91.5°	61.0	62.1	63.7	65.4	66.9	67.5	67.6	67.8	67.3	65.8	64.4
92°	59.9	60.9	62.5	64.2	65.6	66.1	66.2	66.5	65.9	64.8	63.5
92.5°	58.8	59.9	61.3	62.9	64.3	64.8	64.9	65.1	64.7	63.5	62.3
93°	57.8	58.8	60.2	61.7	63.1	63.5	63.7	63.9	63.4	62.3	60.9
93.5°	56.6	57.7	59.1	60.5	61.9	62.4	62.4	62.6	62.2	61.2	59.7
94°	55.5	56.6	58.0	59.5	60.7	61.1	61.2	61.4	60.9	59.9	58.8
94.5°	54.4	55.5	56.9	58.5	59.5	60.0	60.1	60.2	59.8	59.1	57.5
95°	53.4	54.5	55.8	57.3	58.4	59.0	59.1	59.0	58.7	57.8	56.4
95.5°	52.4	53.5	55.0	56.2	57.2	57.7	57.8	57.8	57.7	56.5	55.3
96°	51.4	52.4	53.8	55.2	56.1	56.5	56.7	56.8	56.4	55.4	54.4
96.5°	50.5	51.5	52.7	54.1	55.1	55.6	55.5	55.6	55.2	54.4	53.2
97°	49.5	50.5	51.9	53.0	54.3	54.4	54.5	54.6	54.4	53.3	52.0
97.5°	48.5	49.6	50.8	51.9	53.1	53.3	53.5	53.3	53.1	52.1	51.0
98°	47.7	48.6	49.8	51.0	52.0	52.3	52.3	52.3	52.1	51.1	49.9
98.5°	46.7	47.8	48.9	50.0	51.0	51.2	51.3	51.4	51.0	50.1	48.9
99°	45.9	46.8	48.0	49.1	49.9	50.2	50.3	50.4	50.0	49.1	47.9
99.5°	45.0	46.0	47.0	48.2	48.9	49.2	49.5	49.3	49.0	48.4	47.0
100°	44.2	45.1	46.2	47.3	48.0	48.6	48.3	48.3	48.1	47.2	46.0
100.5°	43.4	44.3	45.4	46.4	47.0	47.4	47.3	47.6	47.1	46.3	45.3
101°	42.5	43.4	44.5	45.5	46.1	46.6	46.2	46.5	46.3	45.4	44.3
101.5°	41.8	42.7	43.6	44.6	45.3	45.5	45.5	45.5	45.4	44.7	43.5
102°	41.0	41.8	42.9	43.8	44.4	44.7	44.8	44.6	44.4	43.6	42.5
102.5°	40.2	41.1	42.1	43.1	43.4	43.8	43.7	44.1	43.5	42.9	41.9
103°	39.5	40.6	41.1	42.1	42.6	43.1	43.1	42.9	42.6	42.1	41.0
103.5°	38.8	39.8	40.6	41.5	42.1	42.2	42.2	42.4	41.9	41.1	40.2
104°	38.2	39.1	40.0	40.7	41.1	41.4	41.4	41.6	41.2	40.3	39.6
104.5°	37.5	38.4	39.3	39.9	40.3	41.1	41.0	40.8	40.8	39.5	38.8
105°	36.9	37.8	38.5	39.3	39.7	39.9	39.9	39.9	39.6	38.9	38.0
105.5°	36.3	37.2	37.9	38.5	38.9	39.2	39.2	39.0	38.9	38.2	37.3
106°	35.7	36.5	37.3	37.9	38.2	38.7	38.6	38.4	38.1	37.6	36.8
106.5°	35.0	36.0	36.8	37.4	37.5	37.8	37.9	37.7	37.5	36.8	36.2
107°	34.5	35.3	36.2	36.7	36.9	36.9	37.3	37.0	36.8	36.4	35.4
107.5°	34.0	34.8	35.5	36.1	36.4	36.6	36.6	36.5	36.3	35.5	34.7
108°	33.4	34.1	35.0	35.5	35.5	35.8	35.9	35.8	35.6	35.0	34.1
108.5°	32.9	33.6	34.4	34.9	35.0	35.3	35.3	35.3	35.0	34.5	33.6
109°	32.5	33.1	33.8	34.4	34.3	34.7	34.7	34.6	34.6	34.0	33.3
109.5°	32.0	32.6	33.3	33.8	33.7	34.2	34.2	34.2	33.9	33.2	32.4
110°	31.5	32.0	32.8	33.3	33.2	33.5	33.6	33.4	33.1	32.5	31.8
110.5°	31.1	31.6	32.3	32.8	32.7	33.0	33.2	33.0	32.6	32.0	31.4
111°	30.7	31.1	31.8	32.4	32.1	32.4	32.5	32.4	32.1	31.7	30.8
111.5°	30.2	30.7	31.4	31.9	31.7	32.1	32.0	32.0	31.7	31.1	30.3
112°	29.8	30.3	30.9	31.4	31.2	31.5	31.6	31.4	31.2	30.8	29.9



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	29.5	29.8	30.5	30.9	30.9	31.0	31.1	30.9	30.8	30.1	29.5
113°	29.1	29.4	30.1	30.5	30.2	30.9	30.8	30.4	30.2	29.7	28.9
113.5°	28.7	29.0	29.7	30.0	29.7	30.0	30.2	29.9	29.8	29.2	28.7
114°	28.4	28.7	29.3	29.7	29.4	29.8	29.7	29.7	29.4	28.8	28.1
114.5°	28.1	28.3	28.9	29.3	29.0	29.3	29.3	29.1	28.9	28.5	27.7
115°	27.7	27.9	28.6	28.9	28.7	28.8	28.9	28.7	28.7	28.0	27.7
115.5°	27.3	27.6	28.3	28.6	28.2	28.6	28.5	28.5	28.2	27.6	27.2
116°	27.0	27.2	28.0	28.3	27.9	28.0	28.1	27.9	27.8	27.5	26.5
116.5°	26.7	27.0	27.6	27.9	27.6	27.7	27.8	27.6	27.6	27.0	26.4
117°	26.3	26.6	27.3	27.6	27.3	27.7	27.6	27.5	27.1	26.6	25.9
117.5°	26.1	26.3	26.9	27.3	26.8	27.3	27.3	26.9	26.7	26.3	25.5
118°	25.8	26.0	26.6	27.0	26.4	26.6	26.7	26.5	26.3	26.0	25.3
118.5°	25.6	25.7	26.3	26.7	26.3	26.4	26.4	26.4	26.3	25.6	25.1
119°	25.3	25.4	26.1	26.4	25.8	26.4	26.2	25.9	25.7	25.3	24.6
119.5°	25.1	25.2	25.8	26.2	25.5	25.8	25.8	25.6	25.4	25.2	24.4
120°	24.9	24.9	25.5	25.8	25.2	25.5	25.5	25.3	25.2	24.9	24.2
120.5°	24.6	24.8	25.2	25.6	25.1	25.3	25.3	25.2	25.1	24.6	24.0
121°	24.4	24.5	25.0	25.3	24.7	25.2	25.1	24.7	24.6	24.3	23.6
121.5°	24.3	24.3	24.9	25.0	24.5	24.7	24.7	24.5	24.4	24.2	23.3
122°	24.3	24.3	24.7	25.0	24.3	24.5	24.5	24.3	24.2	24.2	23.3
122.5°	24.2	24.2	24.5	24.8	24.2	24.3	24.2	24.0	24.1	23.6	23.1
123°	24.1	24.0	24.4	24.5	23.9	24.1	24.2	24.0	23.6	23.4	23.1
123.5°	23.9	23.8	24.3	24.3	23.6	24.0	23.8	23.6	23.4	23.4	22.7
124°	23.8	23.7	24.2	24.4	23.4	23.6	23.6	23.4	23.4	23.2	22.6
124.5°	23.7	23.6	24.1	24.3	23.3	23.4	23.4	23.3	23.3	23.2	22.4
125°	23.7	23.4	24.0	24.1	23.3	23.3	23.3	23.3	23.1	23.0	22.2
125.5°	23.6	23.3	23.8	24.0	23.2	23.3	23.3	23.1	23.0	22.7	22.1
126°	23.5	23.2	23.7	23.9	23.3	23.2	23.3	23.1	22.8	22.5	22.0
126.5°	23.4	23.2	23.6	23.9	23.1	23.2	23.2	22.8	22.6	22.5	22.0
127°	23.3	23.0	23.5	23.7	23.1	23.1	23.1	22.8	22.6	22.5	22.1
127.5°	23.2	23.0	23.4	23.7	23.1	23.1	23.0	22.8	22.6	22.5	21.9
128°	23.2	23.0	23.3	23.6	23.1	23.1	22.9	22.7	22.5	22.5	21.9
128.5°	23.2	23.0	23.3	23.5	23.1	23.1	22.9	22.7	22.5	22.4	21.9
129°	23.1	22.9	23.3	23.5	23.1	23.1	22.9	22.7	22.5	22.4	21.9
129.5°	23.1	22.9	23.3	23.4	23.1	23.1	22.9	22.7	22.5	22.4	21.9
130°	23.1	22.9	23.1	23.4	23.1	23.1	22.9	22.7	22.5	22.4	21.9
130.5°	23.1	22.9	23.1	23.3	23.1	23.1	22.9	22.7	22.5	22.4	21.9
131°	23.1	22.9	23.1	23.3	23.1	23.1	22.9	22.7	22.5	22.4	21.9
131.5°	23.0	22.9	23.1	23.3	23.1	23.1	22.9	22.7	22.5	22.4	21.9
132°	23.0	22.9	23.1	23.3	23.1	23.1	22.9	22.8	22.5	22.4	21.9
132.5°	23.0	22.9	23.1	23.3	23.1	23.1	22.9	22.8	22.5	22.4	21.9
133°	23.0	22.9	23.1	23.3	23.1	23.1	22.9	22.8	22.5	22.5	21.9
133.5°	23.0	22.9	23.1	23.3	23.1	23.1	22.9	22.8	22.5	22.5	22.1
134°	23.0	23.0	23.1	23.3	23.2	23.2	23.0	22.8	22.5	22.5	22.1
134.5°	23.0	23.0	23.1	23.3	23.2	23.2	23.1	22.8	22.7	22.6	22.1



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	23.0	23.1	23.1	23.3	23.3	23.3	23.1	22.9	22.6	22.7	22.1
135.5°	23.1	23.1	23.1	23.3	23.4	23.3	23.1	22.9	22.8	22.6	22.2
136°	23.0	23.2	23.2	23.3	23.5	23.3	23.3	23.1	22.8	22.7	22.3
136.5°	23.0	23.2	23.2	23.3	23.5	23.4	23.4	23.1	22.9	22.8	22.4
137°	23.2	23.3	23.3	23.4	23.6	23.6	23.6	23.1	22.8	22.8	22.5
137.5°	23.2	23.3	23.3	23.3	23.6	23.6	23.6	23.3	23.0	23.0	22.6
138°	23.2	23.4	23.3	23.3	23.8	23.7	23.8	23.3	23.1	23.1	22.6
138.5°	23.2	23.5	23.3	23.6	23.9	23.8	23.8	23.5	23.2	23.2	22.9
139°	23.4	23.6	23.4	23.6	24.1	24.0	23.8	23.5	23.4	23.3	22.9
139.5°	23.3	23.7	23.5	23.8	24.1	24.0	24.1	23.7	23.5	23.3	23.0
140°	23.5	24.1	23.7	24.1	24.3	24.2	24.1	23.8	23.5	23.5	23.2
140.5°	23.7	24.1	24.1	24.3	24.3	24.3	24.1	23.9	23.7	23.7	23.3
141°	24.1	24.1	24.2	24.3	24.3	24.3	24.3	24.1	23.9	23.7	23.4
141.5°	24.2	24.3	24.3	24.3	24.5	24.4	24.3	24.2	24.0	23.9	23.4
142°	24.2	24.4	24.3	24.3	24.5	24.4	24.3	24.3	24.2	24.0	23.6
142.5°	24.4	24.6	24.3	24.5	24.8	24.5	24.4	24.4	24.2	24.1	23.7
143°	24.6	25.1	24.3	24.5	24.9	24.7	24.5	24.5	24.4	24.2	23.8
143.5°	24.7	25.2	24.5	24.8	25.0	24.8	24.7	24.6	24.4	24.2	23.9
144°	25.1	25.3	24.5	25.0	25.2	24.9	24.8	24.7	24.6	24.4	24.0
144.5°	25.2	25.4	24.7	25.2	25.3	25.1	24.9	24.8	24.7	24.5	24.2
145°	25.2	25.6	25.0	25.2	25.5	25.2	25.1	25.0	24.9	24.6	24.3
145.5°	25.4	25.8	25.3	25.4	25.7	25.5	25.2	25.1	25.1	24.8	24.3
146°	25.6	26.1	25.2	25.5	25.8	25.6	25.4	25.3	25.2	24.9	24.4
146.5°	25.7	26.4	25.4	25.6	26.0	25.7	25.5	25.5	25.4	25.0	24.5
147°	25.8	26.4	25.5	25.7	26.1	26.0	25.7	25.6	25.4	25.1	24.6
147.5°	26.3	26.3	25.6	25.7	26.2	26.1	25.8	25.8	25.5	25.2	24.7
148°	26.3	26.5	25.7	25.9	26.4	26.3	25.9	25.8	25.6	25.2	24.7
148.5°	26.5	26.4	25.7	26.2	26.5	26.4	25.9	25.8	25.8	25.4	24.7
149°	26.5	26.6	25.8	26.2	26.7	26.5	25.9	25.8	25.8	25.4	24.7
149.5°	26.5	26.6	25.9	26.4	26.7	26.5	25.9	25.8	25.8	25.4	24.7
150°	26.7	26.6	26.1	26.4	26.7	26.5	25.9	25.8	25.8	25.4	24.7
150.5°	26.7	26.9	26.4	26.5	26.7	26.5	25.9	25.8	25.8	25.4	24.7
151°	26.8	27.0	26.4	26.5	26.7	26.5	25.9	25.8	25.8	25.4	24.7
151.5°	26.8	27.1	26.5	26.5	26.7	26.5	25.9	25.8	25.8	25.3	24.7
152°	26.8	27.1	26.6	26.5	26.7	26.6	25.9	25.9	25.8	25.3	24.7
152.5°	26.8	27.1	26.6	26.6	26.7	26.5	25.9	25.9	25.8	25.3	24.7
153°	26.8	27.1	26.5	26.6	26.6	26.5	25.9	25.7	25.6	25.3	24.7
153.5°	26.8	27.1	26.6	26.7	26.6	26.4	25.9	25.7	25.6	25.3	24.7
154°	26.8	27.1	26.6	26.6	26.4	26.2	25.8	25.7	25.6	25.3	24.6
154.5°	26.8	27.0	26.4	26.5	26.2	26.0	25.7	25.5	25.4	25.2	24.6
155°	26.8	27.0	26.4	26.4	26.0	25.9	25.6	25.4	25.4	25.2	24.5
155.5°	26.8	26.8	26.2	26.2	25.7	25.8	25.6	25.4	25.4	25.1	24.5
156°	26.8	26.7	26.1	26.2	25.6	25.6	25.5	25.3	25.3	24.8	24.3
156.5°	26.8	26.5	26.0	26.1	25.5	25.5	25.3	25.3	25.3	24.6	24.3
157°	26.6	26.5	25.9	26.0	25.4	25.4	25.3	25.4	25.3	24.6	24.2



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

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	25.8	25.9	25.4	25.4	25.3	25.2	25.3	24.5	24.2
158°	26.5	26.3	25.7	25.8	25.3	25.5	25.3	25.2	25.0	24.4	24.2
158.5°	26.4	26.1	25.7	25.6	25.2	25.3	25.2	25.1	24.8	24.4	24.1
159°	26.2	26.1	25.5	25.5	25.1	25.2	24.9	25.0	24.6	24.2	23.9
159.5°	26.1	25.8	25.4	25.3	24.8	25.0	24.7	24.7	24.6	24.3	23.6
160°	26.1	25.8	25.3	25.2	24.7	24.8	24.5	24.7	24.5	24.2	23.5
160.5°	26.0	25.6	25.2	25.1	24.5	24.6	24.5	24.6	24.4	23.8	23.4
161°	25.8	25.6	25.1	24.9	24.3	24.4	24.4	24.5	24.2	23.6	23.4
161.5°	25.6	25.4	25.0	24.8	24.3	24.3	24.2	24.3	24.2	23.6	23.3
162°	25.4	25.4	24.8	24.6	24.3	24.1	24.2	24.3	24.2	23.5	23.2
162.5°	25.3	25.1	24.7	24.5	24.1	24.2	24.2	24.3	24.0	23.3	23.1
163°	25.1	24.9	24.5	24.5	23.7	23.9	24.0	24.3	23.7	23.4	23.2
163.5°	24.8	24.7	24.5	24.3	23.5	23.6	24.0	24.2	23.5	23.2	23.1
164°	24.6	24.5	24.4	24.3	23.4	23.4	23.8	23.9	23.3	23.2	23.0
164.5°	24.4	24.3	24.3	24.3	23.3	23.3	23.6	23.6	23.2	23.1	22.7
165°	24.4	24.3	24.3	24.3	23.3	23.3	23.4	23.4	23.2	22.8	22.6
165.5°	24.2	24.2	24.2	24.0	23.2	23.2	23.3	23.4	23.2	22.6	22.6
166°	24.1	24.0	24.1	24.0	23.1	23.2	23.3	23.4	23.1	22.5	22.5
166.5°	23.9	23.9	24.0	23.8	23.2	23.2	23.3	23.3	22.6	22.3	22.4
167°	23.7	23.8	23.7	23.6	23.1	23.1	23.1	23.3	22.5	22.3	22.3
167.5°	23.5	23.7	23.6	23.5	22.7	22.7	22.9	23.3	22.3	22.1	22.1
168°	23.3	23.5	23.4	23.3	22.6	22.6	22.6	23.1	22.1	22.0	22.0
168.5°	23.2	23.3	23.2	23.1	22.5	22.4	22.4	22.8	21.8	22.0	21.9
169°	23.0	23.1	23.1	22.9	22.4	22.4	22.2	22.4	21.9	22.0	21.9
169.5°	22.9	23.0	22.9	22.7	22.1	22.1	21.9	22.0	21.4	21.7	21.6
170°	22.7	22.7	22.7	22.6	22.1	22.0	21.9	21.9	21.2	21.3	21.3
170.5°	22.5	22.5	22.5	22.4	22.0	22.0	21.9	21.3	21.0	21.1	21.2
171°	22.3	22.5	22.4	22.2	22.1	22.0	21.4	21.0	20.9	21.0	21.0
171.5°	22.1	22.3	22.2	22.0	21.8	21.7	21.3	20.7	20.7	20.9	20.8
172°	21.8	22.0	21.9	21.8	21.4	21.4	21.0	20.3	20.6	20.7	20.7
172.5°	21.6	21.7	21.6	21.5	21.0	21.2	20.7	20.0	20.1	20.4	20.5
173°	21.2	21.2	21.2	21.1	20.7	20.8	20.2	19.8	19.7	19.9	20.1
173.5°	20.8	21.0	20.8	20.8	20.5	20.6	20.0	19.8	19.6	19.9	20.1
174°	20.8	21.0	20.8	20.8	20.4	20.6	20.0	19.8	19.7	19.9	20.2
174.5°	22.1	22.6	22.5	22.2	21.0	20.7	20.2	20.0	19.9	20.2	20.5
175°	23.3	23.7	23.6	23.4	22.5	22.0	21.6	21.6	21.4	21.7	22.0
175.5°	23.7	24.2	24.2	24.1	24.0	23.6	23.3	23.4	23.3	23.3	23.8
176°	24.2	24.6	24.6	24.3	24.5	24.3	24.2	24.3	24.2	24.2	24.4
176.5°	24.5	25.1	25.0	24.6	24.9	24.8	24.6	24.7	24.6	24.5	25.0
177°	25.2	25.2	25.3	25.3	25.3	25.2	25.1	25.2	25.1	25.1	25.4
177.5°	25.4	25.4	25.6	25.4	25.8	25.7	25.7	25.7	25.7	25.6	25.9
178°	25.6	25.6	25.8	25.7	25.8	25.9	25.9	25.7	26.1	26.1	26.2
178.5°	25.7	25.8	25.8	25.7	25.8	25.9	25.8	25.7	26.1	26.1	26.2
179°	25.8	25.8	25.8	25.9	25.8	25.8	25.9	25.7	26.0	26.1	26.1
179.5°	26.1	26.0	25.9	26.2	25.8	25.8	25.9	25.7	26.0	26.1	26.2



TEST NUMBER: P601025
CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	325.1	325.1	325.1	325.1	325.1	325.1
0.5°	325.2	325.1	325.1	325.1	325.1	325.0
1°	325.0	325.1	325.1	325.1	325.2	325.0
1.5°	325.0	325.1	325.2	325.1	325.2	325.0
2°	324.8	325.2	325.2	325.1	325.1	324.8
2.5°	324.8	325.2	325.0	325.0	324.8	324.6
3°	324.6	325.0	324.8	324.7	324.7	324.3
3.5°	324.6	324.8	324.5	324.5	324.5	324.2
4°	324.5	324.6	324.3	324.2	324.1	323.9
4.5°	324.2	324.4	324.1	323.9	323.8	323.7
5°	323.8	324.1	323.8	323.6	323.6	323.3
5.5°	323.7	323.8	323.5	323.3	323.3	322.7
6°	323.3	323.5	323.3	323.0	322.9	322.6
6.5°	323.1	323.1	322.7	322.6	322.5	322.4
7°	322.8	322.8	322.6	322.2	322.1	321.8
7.5°	322.3	322.4	322.1	321.9	321.7	321.2
8°	322.1	321.9	321.6	321.3	321.2	320.9
8.5°	321.6	321.6	321.2	320.9	320.7	320.5
9°	321.2	321.1	320.7	320.3	320.3	320.2
9.5°	320.7	320.6	320.1	319.8	319.8	319.7
10°	320.3	320.1	319.6	319.3	319.2	319.0
10.5°	319.8	319.6	319.2	318.7	318.6	318.4
11°	319.3	319.0	318.5	318.2	318.0	317.9
11.5°	318.8	318.4	317.9	317.5	317.5	317.1
12°	318.3	317.8	317.2	316.9	316.8	316.5
12.5°	317.7	317.2	316.6	316.2	316.0	315.9
13°	317.0	316.5	316.0	315.5	315.4	315.5
13.5°	316.5	315.8	315.2	314.8	314.6	314.5
14°	315.8	315.2	314.5	314.0	314.0	313.8
14.5°	315.1	314.5	313.7	313.3	313.3	313.2
15°	314.4	313.7	313.0	312.5	312.4	312.6
15.5°	313.6	312.9	312.4	312.0	311.8	311.7
16°	312.9	312.2	311.4	311.1	311.0	310.9
16.5°	312.1	311.5	310.8	310.2	310.2	310.1
17°	311.4	310.7	309.9	309.3	309.3	309.1
17.5°	310.8	309.7	309.0	308.3	308.3	308.2
18°	309.9	308.9	308.0	307.5	307.5	307.3
18.5°	309.1	307.9	307.2	306.6	306.5	306.3
19°	308.1	306.9	306.1	305.7	305.6	305.4
19.5°	307.3	306.0	305.2	304.7	304.5	304.4
20°	306.4	305.1	304.2	303.7	303.5	303.6
20.5°	305.4	304.0	303.2	302.6	302.4	302.5
21°	304.2	302.9	302.2	301.6	301.5	301.5
21.5°	303.3	301.9	301.1	300.4	300.3	300.4
22°	302.2	300.8	300.0	299.4	299.2	299.2



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	301.1	299.8	298.8	298.3	298.1	298.1
23°	300.1	298.7	297.7	297.2	296.9	296.9
23.5°	299.0	297.6	296.6	296.0	295.8	295.8
24°	297.8	296.4	295.4	294.8	294.5	294.7
24.5°	296.6	295.2	294.2	293.6	293.4	293.5
25°	295.5	294.0	292.9	292.3	292.1	292.2
25.5°	294.4	292.7	291.7	291.1	290.8	290.8
26°	293.2	291.5	290.5	289.8	289.5	289.6
26.5°	292.0	290.2	289.3	288.5	288.3	288.4
27°	290.7	288.9	287.8	287.2	286.9	286.9
27.5°	289.3	287.5	286.4	285.8	285.5	285.7
28°	288.1	286.2	285.1	284.4	284.3	284.4
28.5°	286.7	284.9	283.7	283.0	282.8	282.9
29°	285.3	283.5	282.4	281.6	281.1	281.4
29.5°	284.1	282.0	280.6	280.2	279.8	280.2
30°	282.6	280.6	279.5	278.8	278.4	278.5
30.5°	281.1	279.2	277.7	277.5	277.0	277.2
31°	279.7	277.7	276.6	275.9	275.6	275.8
31.5°	278.3	276.3	275.1	274.3	274.3	274.3
32°	276.8	274.8	273.7	272.9	272.8	272.9
32.5°	275.6	273.4	272.2	271.2	271.2	271.3
33°	274.0	271.8	270.5	269.9	269.4	269.7
33.5°	272.4	270.2	268.9	268.2	267.9	268.1
34°	270.9	268.6	267.3	266.5	266.3	266.5
34.5°	269.4	267.0	265.6	264.9	264.6	264.9
35°	267.6	265.5	264.0	263.2	263.1	263.3
35.5°	266.2	263.7	262.5	261.6	261.4	261.6
36°	264.5	262.1	260.9	259.8	259.7	259.9
36.5°	262.8	260.3	259.1	258.2	258.1	258.2
37°	261.2	258.8	257.3	256.5	256.4	256.5
37.5°	259.5	256.9	255.6	254.9	254.7	254.7
38°	258.0	255.2	253.9	253.2	252.9	253.1
38.5°	256.0	253.5	252.2	251.3	251.1	251.2
39°	254.5	251.8	250.4	249.6	249.3	249.6
39.5°	252.6	249.9	248.7	247.8	247.6	247.9
40°	250.9	248.1	246.8	246.0	245.9	246.0
40.5°	249.1	246.4	245.1	244.3	244.1	244.2
41°	247.4	244.5	243.4	242.4	242.2	242.4
41.5°	245.6	242.8	241.4	240.6	240.3	240.6
42°	243.7	241.0	239.8	238.8	238.6	238.9
42.5°	241.9	239.3	237.9	237.0	236.7	237.1
43°	240.1	237.4	236.0	235.2	235.2	235.2
43.5°	238.5	235.5	234.2	233.3	233.1	233.4
44°	236.6	233.7	232.2	231.4	231.2	231.5
44.5°	234.7	231.7	230.4	229.6	229.4	229.5



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	233.0	229.9	228.5	227.7	227.4	227.7
45.5°	231.0	228.0	226.5	225.8	225.5	226.0
46°	229.3	226.2	224.8	223.8	223.6	224.0
46.5°	227.3	224.1	222.8	222.0	221.7	222.0
47°	225.5	222.2	220.8	220.1	219.7	220.1
47.5°	223.5	220.3	218.9	218.1	217.8	218.3
48°	221.6	218.4	217.0	216.2	215.9	216.3
48.5°	219.6	216.5	215.0	214.2	214.0	214.3
49°	217.8	214.5	213.0	212.3	211.9	212.4
49.5°	215.9	212.5	211.1	210.2	210.0	210.4
50°	213.9	210.6	209.1	208.3	208.1	208.4
50.5°	212.0	208.6	207.2	206.3	206.1	206.4
51°	209.9	206.7	205.2	204.4	204.1	204.5
51.5°	208.1	204.7	203.5	202.5	202.2	202.6
52°	206.1	202.9	201.4	200.6	200.3	200.7
52.5°	204.0	200.8	199.5	198.6	198.3	198.7
53°	202.2	198.9	197.5	196.6	196.3	196.8
53.5°	200.2	196.9	195.4	194.6	194.4	194.8
54°	198.3	195.0	193.5	192.6	192.3	192.7
54.5°	196.3	192.9	191.5	190.6	190.3	190.6
55°	194.2	191.0	189.4	188.7	188.3	188.8
55.5°	192.2	188.9	187.4	186.6	186.3	186.7
56°	190.3	187.0	185.6	184.6	184.2	184.6
56.5°	188.3	184.9	183.4	182.5	182.2	182.7
57°	186.2	182.8	181.4	180.5	180.3	180.7
57.5°	184.1	180.8	179.2	178.4	178.2	178.5
58°	182.1	178.8	177.3	176.5	176.0	176.6
58.5°	180.1	176.8	175.3	174.4	174.1	174.6
59°	178.0	174.7	173.3	172.4	172.2	172.5
59.5°	176.1	172.7	171.2	170.3	170.0	170.5
60°	174.0	170.7	169.2	168.4	168.2	168.5
60.5°	171.9	168.6	167.3	166.5	166.1	166.6
61°	169.9	166.8	165.4	164.4	164.1	164.6
61.5°	167.9	164.7	163.3	162.3	162.0	162.6
62°	166.1	162.7	161.2	160.3	160.0	160.6
62.5°	164.1	160.8	159.1	158.3	157.9	158.5
63°	162.0	158.7	157.1	156.2	156.0	156.5
63.5°	160.0	156.7	155.1	154.1	153.9	154.4
64°	158.0	154.6	153.0	152.1	151.8	152.4
64.5°	155.9	152.6	151.0	150.0	149.8	150.4
65°	153.9	150.5	148.9	148.1	147.9	148.3
65.5°	151.8	148.5	146.9	146.1	145.8	146.4
66°	149.8	146.4	144.9	144.1	143.7	144.3
66.5°	147.7	144.4	142.9	142.0	141.9	142.3
67°	145.7	142.5	141.0	140.0	139.9	140.4



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	143.9	140.5	138.9	138.1	137.8	138.3
68°	141.8	138.5	137.0	136.1	135.9	136.4
68.5°	139.8	136.5	134.9	134.1	133.9	134.5
69°	137.9	134.5	133.0	132.2	132.0	132.5
69.5°	135.9	132.6	131.2	130.3	130.1	130.7
70°	133.9	130.8	129.1	128.3	128.2	128.7
70.5°	132.0	128.9	127.3	126.4	126.3	126.8
71°	130.2	126.9	125.3	124.5	124.4	125.0
71.5°	128.2	125.0	123.5	122.6	122.5	123.0
72°	126.3	123.2	121.5	120.6	120.6	121.1
72.5°	124.4	121.2	119.7	118.8	118.7	119.3
73°	122.5	119.4	117.8	117.0	116.8	117.3
73.5°	120.6	117.5	116.0	115.1	115.1	115.6
74°	118.7	115.8	114.1	113.3	113.2	113.7
74.5°	116.9	114.0	112.5	111.5	111.4	111.9
75°	114.9	112.0	110.5	109.6	109.6	110.1
75.5°	113.2	110.4	108.9	107.9	107.8	108.3
76°	111.3	108.5	107.0	106.1	105.9	106.6
76.5°	109.6	106.8	105.2	104.3	104.2	104.8
77°	107.7	105.0	103.5	102.6	102.4	103.1
77.5°	106.1	103.3	101.7	100.9	100.8	101.4
78°	104.2	101.5	100.1	99.2	99.1	99.6
78.5°	102.5	99.8	98.3	97.5	97.4	98.0
79°	100.7	98.1	96.7	96.0	96.0	96.4
79.5°	99.1	96.5	95.2	94.4	94.3	94.9
80°	97.3	95.0	93.6	92.7	92.6	93.1
80.5°	95.8	93.4	92.0	91.1	91.1	91.6
81°	94.2	91.7	90.3	89.4	89.4	90.0
81.5°	92.6	90.1	88.8	87.8	88.0	88.3
82°	90.8	88.6	87.1	86.4	86.3	86.8
82.5°	89.2	87.0	85.7	84.8	84.7	85.4
83°	87.7	85.4	84.1	83.3	83.3	83.8
83.5°	86.2	83.9	82.5	81.7	81.7	82.2
84°	84.6	82.4	81.1	80.3	80.2	80.8
84.5°	83.0	80.9	79.6	78.8	78.8	79.3
85°	81.5	79.5	78.2	77.5	77.4	77.8
85.5°	80.0	78.1	76.7	75.8	75.9	76.4
86°	78.6	76.6	75.3	74.5	74.5	75.1
86.5°	77.1	75.2	73.8	73.1	73.1	73.7
87°	75.6	73.8	72.5	71.8	71.8	72.3
87.5°	74.1	72.5	71.2	70.4	70.4	71.0
88°	72.9	71.2	69.8	69.1	69.1	69.7
88.5°	71.3	69.9	68.5	67.8	67.8	68.4
89°	70.0	68.5	67.1	66.5	66.5	67.1
89.5°	68.6	67.1	65.9	65.2	65.2	65.8



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	67.3	65.8	64.7	64.0	64.0	64.6
90.5°	65.9	64.6	63.4	62.8	62.8	63.3
91°	64.7	63.4	62.2	61.6	61.6	62.1
91.5°	63.5	62.2	61.0	60.4	60.4	61.0
92°	62.1	61.0	60.0	59.3	59.4	59.9
92.5°	60.9	59.9	58.8	58.1	58.4	58.8
93°	59.7	58.8	57.7	57.0	57.1	57.8
93.5°	58.8	57.7	56.5	55.9	56.0	56.6
94°	57.5	56.6	55.5	54.9	55.1	55.5
94.5°	56.2	55.5	54.5	53.9	53.8	54.4
95°	55.2	54.5	53.4	52.8	52.8	53.4
95.5°	54.3	53.4	52.4	51.8	51.7	52.4
96°	53.1	52.4	51.3	50.7	50.8	51.4
96.5°	52.0	51.3	50.4	49.8	49.8	50.5
97°	51.0	50.3	49.5	48.8	48.8	49.5
97.5°	49.9	49.4	48.6	47.9	47.9	48.5
98°	49.0	48.5	47.6	47.0	47.0	47.7
98.5°	48.1	47.5	46.7	46.0	46.1	46.7
99°	47.0	46.6	45.8	45.2	45.2	45.9
99.5°	46.1	45.7	45.0	44.3	44.3	45.0
100°	45.2	44.8	44.1	43.5	43.5	44.2
100.5°	44.3	44.0	43.2	42.7	42.7	43.4
101°	43.6	43.2	42.4	41.9	42.0	42.5
101.5°	42.4	42.4	41.7	41.2	41.2	41.8
102°	42.0	41.7	40.9	40.4	40.4	41.0
102.5°	41.1	40.8	40.1	39.5	39.7	40.2
103°	40.3	40.0	39.4	39.0	39.0	39.5
103.5°	39.4	39.3	38.8	38.4	38.1	38.8
104°	38.7	38.5	38.0	37.7	37.7	38.2
104.5°	37.8	37.9	37.1	37.1	37.1	37.5
105°	37.2	37.2	36.8	36.4	36.5	36.9
105.5°	36.6	36.6	36.2	35.9	35.9	36.3
106°	36.1	35.9	35.5	35.3	35.3	35.7
106.5°	35.3	35.2	35.0	34.8	34.7	35.0
107°	34.9	34.7	34.4	34.2	34.1	34.5
107.5°	34.2	34.1	33.8	33.7	33.6	34.0
108°	33.6	33.6	33.3	33.1	33.1	33.4
108.5°	33.0	33.0	32.8	32.7	32.6	32.9
109°	32.3	32.5	32.3	32.2	32.1	32.5
109.5°	31.9	31.9	31.8	31.7	31.6	32.0
110°	31.2	31.5	31.3	31.2	31.2	31.5
110.5°	30.8	31.0	30.9	30.8	30.7	31.1
111°	30.2	30.5	30.4	30.4	30.3	30.7
111.5°	29.8	30.1	30.0	30.0	29.9	30.2
112°	29.3	29.6	29.6	29.6	29.5	29.8



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	28.8	29.2	29.2	29.3	29.1	29.5
113°	28.6	28.8	28.8	28.8	28.8	29.1
113.5°	28.0	28.4	28.5	28.5	28.4	28.7
114°	27.7	28.0	28.1	28.2	28.0	28.4
114.5°	27.5	27.7	27.8	27.9	27.7	28.1
115°	26.9	27.4	27.4	27.5	27.4	27.7
115.5°	26.4	27.2	27.1	27.2	27.1	27.3
116°	26.3	26.7	26.8	26.9	26.7	27.0
116.5°	25.8	26.4	26.5	26.6	26.4	26.7
117°	25.5	26.1	26.2	26.2	26.0	26.3
117.5°	25.2	25.8	25.9	26.0	25.7	26.1
118°	24.9	25.5	25.7	25.7	25.5	25.8
118.5°	24.6	25.2	25.4	25.5	25.2	25.6
119°	24.3	25.0	25.1	25.2	24.9	25.3
119.5°	24.2	24.8	24.9	24.9	24.7	25.1
120°	24.0	24.5	24.7	24.8	24.3	24.9
120.5°	23.5	24.4	24.5	24.4	24.3	24.6
121°	23.3	24.3	24.4	24.4	24.2	24.4
121.5°	23.3	24.1	24.2	24.2	24.0	24.3
122°	23.2	23.9	24.1	24.0	23.8	24.3
122.5°	23.2	23.8	23.9	23.8	23.5	24.2
123°	22.8	23.6	23.8	23.7	23.4	24.1
123.5°	22.6	23.5	23.6	23.6	23.3	23.9
124°	22.4	23.3	23.5	23.3	23.2	23.8
124.5°	22.4	23.3	23.4	23.1	23.2	23.7
125°	22.2	23.1	23.3	23.1	23.0	23.7
125.5°	22.3	23.1	23.2	22.9	22.9	23.6
126°	22.2	23.0	23.1	22.9	22.8	23.5
126.5°	22.2	22.8	23.1	22.7	22.8	23.4
127°	22.2	22.8	22.9	22.7	22.6	23.3
127.5°	22.2	22.7	22.9	22.6	22.7	23.2
128°	22.2	22.7	22.9	22.5	22.6	23.2
128.5°	22.2	22.6	22.8	22.6	22.5	23.2
129°	22.2	22.6	22.8	22.5	22.5	23.1
129.5°	22.2	22.6	22.8	22.5	22.5	23.1
130°	22.2	22.6	22.8	22.5	22.5	23.1
130.5°	22.2	22.6	22.8	22.4	22.5	23.1
131°	22.2	22.6	22.7	22.4	22.5	23.1
131.5°	22.2	22.6	22.7	22.4	22.5	23.0
132°	22.2	22.6	22.7	22.4	22.5	23.0
132.5°	22.3	22.6	22.7	22.4	22.5	23.0
133°	22.4	22.6	22.7	22.4	22.5	23.0
133.5°	22.4	22.6	22.7	22.4	22.5	23.0
134°	22.5	22.6	22.7	22.4	22.5	23.0
134.5°	22.6	22.6	22.7	22.4	22.5	23.0



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	22.6	22.6	22.7	22.4	22.5	23.0
135.5°	22.7	22.6	22.7	22.4	22.5	23.1
136°	22.7	22.6	22.7	22.5	22.5	23.0
136.5°	22.9	22.6	22.7	22.5	22.5	23.0
137°	22.9	22.7	22.8	22.6	22.5	23.2
137.5°	23.0	22.9	22.8	22.7	22.6	23.2
138°	23.1	23.3	22.8	22.7	22.6	23.2
138.5°	23.3	23.2	23.1	23.1	23.0	23.2
139°	23.3	23.3	23.1	23.2	23.2	23.4
139.5°	23.5	23.3	23.3	23.2	23.2	23.3
140°	23.5	23.4	23.3	23.3	23.2	23.5
140.5°	23.5	23.3	23.4	23.3	23.3	23.7
141°	23.5	23.5	23.3	23.3	23.4	24.1
141.5°	23.6	23.8	23.6	23.4	23.5	24.2
142°	23.7	24.2	23.8	23.6	23.8	24.2
142.5°	23.8	24.3	24.1	23.8	24.1	24.4
143°	23.9	24.3	24.1	24.1	24.3	24.6
143.5°	24.0	24.4	24.1	24.3	24.3	24.7
144°	24.2	24.5	24.3	24.2	24.4	25.1
144.5°	24.3	24.7	24.5	24.3	24.5	25.2
145°	24.3	25.2	24.6	24.5	24.7	25.2
145.5°	24.5	25.3	24.7	24.6	25.0	25.4
146°	24.7	25.3	25.0	24.8	25.3	25.6
146.5°	24.8	25.4	25.2	25.1	25.3	25.7
147°	25.0	25.5	25.3	25.2	25.3	25.8
147.5°	25.2	25.6	25.3	25.3	25.4	26.3
148°	25.4	25.7	25.4	25.4	25.6	26.3
148.5°	25.4	25.8	25.5	25.4	25.8	26.5
149°	25.5	25.9	25.5	25.5	25.8	26.5
149.5°	25.4	26.2	25.7	25.7	26.1	26.5
150°	25.4	26.6	25.8	25.8	26.3	26.7
150.5°	25.4	26.5	25.8	25.9	26.5	26.7
151°	25.4	26.6	26.2	26.0	26.5	26.8
151.5°	25.4	26.5	26.2	26.1	26.5	26.8
152°	25.5	26.6	26.2	26.1	26.5	26.8
152.5°	25.5	26.7	26.2	26.0	26.6	26.8
153°	25.3	26.7	26.2	26.0	26.5	26.8
153.5°	25.2	26.5	26.2	26.0	26.5	26.8
154°	25.2	26.4	26.3	26.0	26.5	26.8
154.5°	25.0	26.3	26.3	26.0	26.5	26.8
155°	24.8	26.2	26.2	26.0	26.5	26.8
155.5°	24.7	26.0	26.1	26.0	26.5	26.8
156°	24.5	25.9	26.0	26.0	26.4	26.8
156.5°	24.5	25.7	25.9	26.0	26.2	26.8
157°	24.3	25.7	25.9	25.9	26.2	26.6



TEST NUMBER: P601025
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	24.3	25.5	25.9	25.9	26.2	26.5
158°	24.2	25.5	25.7	25.8	26.1	26.5
158.5°	24.2	25.4	25.7	25.7	25.9	26.4
159°	24.0	25.2	25.6	25.6	25.9	26.2
159.5°	23.8	25.2	25.5	25.6	25.9	26.1
160°	23.6	25.0	25.3	25.5	25.7	26.1
160.5°	23.5	25.0	25.3	25.3	25.7	26.0
161°	23.3	24.8	25.2	25.2	25.6	25.8
161.5°	23.3	24.7	25.0	25.2	25.4	25.6
162°	23.3	24.5	24.9	25.0	25.3	25.4
162.5°	23.3	24.3	24.8	25.0	25.2	25.3
163°	23.3	24.3	24.6	24.9	25.2	25.1
163.5°	23.1	24.1	24.5	24.8	25.1	24.8
164°	23.0	24.1	24.3	24.6	25.0	24.6
164.5°	22.9	23.8	24.4	24.5	24.8	24.4
165°	22.7	23.8	24.3	24.5	24.8	24.4
165.5°	22.6	23.6	24.2	24.3	24.6	24.2
166°	22.5	23.6	24.0	24.4	24.4	24.1
166.5°	22.4	23.4	23.8	24.3	24.3	23.9
167°	22.3	23.2	23.6	24.2	24.1	23.7
167.5°	22.1	23.1	23.4	24.0	23.8	23.5
168°	21.9	22.8	23.1	23.8	23.6	23.3
168.5°	22.0	22.7	23.0	23.5	23.3	23.2
169°	22.0	22.6	22.8	23.1	23.0	23.0
169.5°	21.7	22.4	22.6	22.7	22.7	22.9
170°	21.4	22.2	22.4	22.3	22.6	22.7
170.5°	21.2	21.9	22.1	21.9	22.4	22.5
171°	21.0	21.8	21.9	21.6	22.1	22.3
171.5°	20.9	21.5	21.5	21.1	21.8	22.1
172°	20.8	21.2	21.2	20.7	21.4	21.8
172.5°	20.7	20.8	20.6	20.3	21.0	21.6
173°	20.2	20.4	20.0	19.9	20.5	21.2
173.5°	20.1	20.1	19.8	19.6	20.0	20.8
174°	20.2	20.0	19.8	19.5	20.0	20.8
174.5°	20.3	21.8	21.4	21.2	21.5	22.1
175°	21.9	23.0	22.6	22.6	22.7	23.3
175.5°	23.8	23.3	23.3	23.3	23.3	23.7
176°	24.6	24.0	23.8	23.8	23.9	24.2
176.5°	25.2	24.4	24.3	24.3	24.3	24.5
177°	25.5	24.9	25.0	24.8	25.0	25.2
177.5°	25.9	25.2	25.2	25.3	25.3	25.4
178°	25.9	25.3	25.3	25.5	25.5	25.6
178.5°	25.9	25.5	25.5	25.6	25.7	25.7
179°	25.9	25.7	25.6	25.7	25.9	25.8
179.5°	25.9	25.9	25.7	25.7	25.9	26.1



TEST NUMBER: P601025
CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	26.3	26.3	26.3	26.3	26.3	26.3

(END OF REPORT)