

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: P601043

Luminaire Tested: FM119S1EWHR_5000K

Issue Date: 3/14/2023

Test Information

Test Method: LM-79-2019
Report Number: P601043
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_5000K
Description: FM119S1EWHR at 5000K
Light Source: -
Ballast/Driver: -

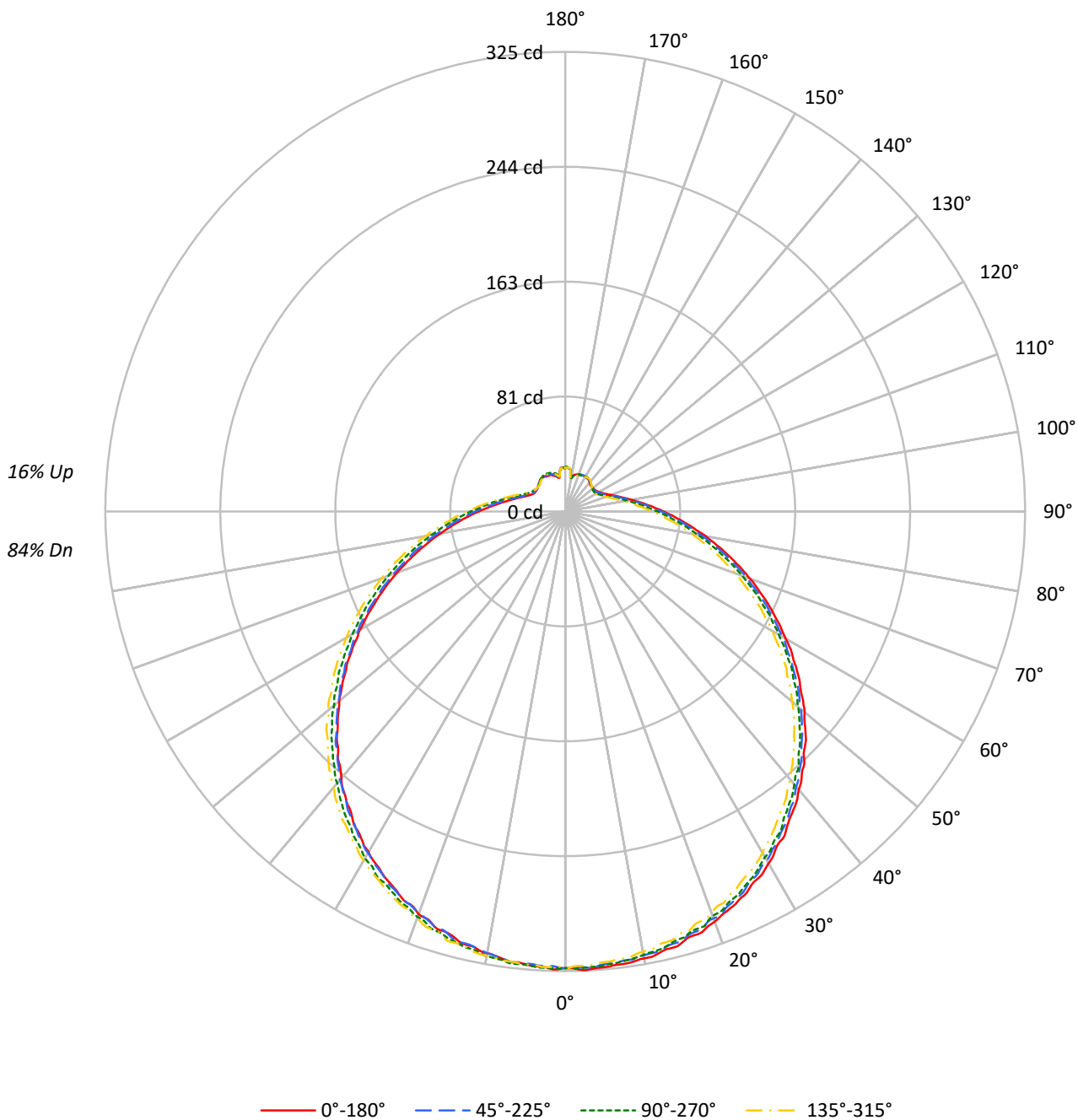
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1348.9 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.43
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 0.33')
CIE Type: Semi-Direct

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

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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°	3795	3795	3795	3795
5°	3689	3675	3665	3672
10°	3583	3554	3542	3564
15°	3485	3448	3419	3455
20°	3382	3334	3319	3341
25°	3287	3241	3193	3231
30°	3184	3128	3081	3135
35°	3078	3025	2963	3017
40°	2971	2913	2847	2900
45°	2857	2805	2731	2787
50°	2759	2684	2604	2664
55°	2644	2578	2481	2559
60°	2527	2450	2353	2443
65°	2419	2327	2222	2324
70°	2306	2210	2101	2210
75°	2205	2100	1985	2111
80°	2125	2005	1889	2030
85°	2074	1958	1837	1995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 337.5°
 Vertical Angle: 45°
 Luminance: 2866 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	2.3
10°-20°	88.4	6.6
20°-30°	135.9	10.1
30°-40°	167.6	12.4
40°-50°	180.1	13.4
50°-60°	173.7	12.9
60°-70°	151.7	11.2
70°-80°	120.1	8.9
80°-90°	86.9	6.4
90°-100°	59.6	4.4
100°-110°	40.6	3.0
110°-120°	28.9	2.1
120°-130°	23.1	1.7
130°-140°	20.3	1.5
140°-150°	17.9	1.3
150°-160°	13.2	1.0
160°-170°	7.5	0.6
170°-180°	2.7	0.2
0°-30°	254.9	18.9
0°-40°	422.4	31.3
0°-60°	776.3	57.5
0°-90°	1135.0	84.1
90°-120°	129.2	9.6
90°-150°	190.4	14.1
90°-180°	214.0	15.9
0°-180°	1348.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	323	323	323	323	323	
5°	323	322	321	322	323	31
15°	316	313	310	314	316	89
25°	300	295	291	294	300	138
35°	273	268	263	268	273	171
45°	239	234	228	233	239	185
55°	201	196	188	194	201	180
65°	160	154	147	153	160	158
75°	119	113	107	114	119	126
85°	84	79	74	81	84	72
90°	69	65	61	67	69	38
95°	57	53	50	55	57	45
105°	40	37	36	39	40	43
115°	30	28	28	30	30	30
125°	26	25	25	26	26	24
135°	26	26	27	26	26	20
145°	28	29	29	29	28	18
155°	28	28	28	30	28	13
165°	27	26	26	28	27	8
175°	31	31	31	31	31	3
180°	31	31	31	31	31	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0
0.5°	323.0	323.0	323.0	322.9	323.0	322.7	322.7	323.0	323.4	323.4	322.7
1°	323.2	322.9	322.9	322.9	323.0	322.3	321.9	323.0	324.0	323.3	322.3
1.5°	323.8	323.0	322.9	322.9	323.0	321.9	321.5	323.0	324.0	323.2	321.7
2°	324.4	323.1	322.7	322.9	323.0	321.9	321.5	323.0	323.4	322.9	321.7
2.5°	324.7	323.1	322.7	322.9	322.9	322.0	321.5	322.9	322.5	322.8	321.7
3°	324.3	323.3	323.2	322.6	322.6	321.9	321.4	322.3	322.4	322.4	321.7
3.5°	323.9	323.3	323.9	322.5	322.6	321.7	321.2	321.7	322.3	321.6	321.6
4°	323.6	323.0	322.4	322.4	322.6	321.2	320.6	321.7	322.3	321.6	321.1
4.5°	323.5	323.0	321.6	322.3	322.3	320.9	320.0	321.7	321.9	321.6	320.8
5°	323.4	323.0	321.4	322.0	322.2	320.5	319.8	321.6	321.3	321.6	320.9
5.5°	323.3	323.0	321.4	321.5	321.6	320.3	319.8	321.0	320.9	321.4	321.0
6°	322.8	323.0	321.4	321.2	321.5	320.3	319.6	320.9	320.6	320.6	321.0
6.5°	322.7	322.3	321.4	321.2	321.4	320.3	318.9	320.8	320.8	319.9	321.1
7°	322.6	321.8	320.6	321.2	320.8	320.2	318.8	320.2	320.9	319.3	320.7
7.5°	322.6	321.6	320.3	321.0	320.7	319.5	318.8	319.4	320.3	319.1	319.8
8°	322.5	321.6	320.3	320.6	320.2	319.1	318.8	319.0	319.4	319.0	318.9
8.5°	322.1	321.7	320.3	320.3	319.9	319.2	318.2	318.7	318.6	318.9	318.3
9°	321.6	321.6	320.3	320.0	319.5	319.2	317.3	318.2	317.9	317.8	318.1
9.5°	321.0	320.7	319.6	319.5	318.9	319.0	316.5	317.5	317.4	317.0	317.6
10°	320.9	320.0	318.8	318.5	318.3	318.3	316.1	317.4	317.2	317.0	317.2
10.5°	320.9	320.0	318.5	317.7	317.7	317.2	315.8	317.5	317.2	317.6	316.5
11°	320.9	320.1	318.3	317.5	317.6	316.4	315.7	317.2	316.5	317.1	316.0
11.5°	320.1	320.0	318.3	317.1	317.5	315.4	315.3	316.0	315.3	316.4	315.0
12°	319.2	318.6	318.2	316.8	317.1	314.9	314.0	314.6	314.5	314.9	314.3
12.5°	318.4	317.4	317.5	316.2	316.7	314.4	312.9	313.6	314.5	313.8	313.8
13°	317.7	317.0	315.9	315.2	315.9	314.0	312.9	313.6	314.4	313.1	313.5
13.5°	317.7	316.9	315.3	314.8	314.9	314.0	312.8	313.6	314.0	313.0	313.5
14°	317.7	317.0	315.0	314.5	313.9	313.4	312.4	313.5	312.8	313.0	313.4
14.5°	317.4	316.7	315.0	313.8	313.3	312.3	311.3	312.4	311.5	312.3	312.7
15°	316.4	315.8	314.9	313.1	313.0	311.3	309.8	310.7	310.4	311.1	311.7
15.5°	315.0	315.0	314.0	312.7	312.8	310.8	309.2	309.6	309.5	309.7	310.2
16°	313.7	314.0	312.4	312.4	311.7	310.7	309.2	309.5	309.0	308.5	308.7
16.5°	313.3	313.0	311.5	311.9	310.3	310.0	309.0	309.6	309.0	308.2	308.0
17°	313.3	312.2	311.1	311.1	309.6	309.1	307.6	308.9	308.8	307.4	308.0
17.5°	313.3	311.7	311.1	309.5	309.5	308.1	306.0	307.2	307.7	306.5	307.6
18°	312.9	311.6	311.1	308.2	309.4	306.8	305.3	305.3	305.9	305.5	306.3
18.5°	311.4	311.3	309.8	307.9	309.3	305.8	305.1	304.4	304.4	304.5	305.0
19°	310.2	310.2	307.6	307.7	307.5	305.1	304.8	304.4	303.9	303.8	304.0
19.5°	309.5	308.5	306.5	307.1	305.6	304.6	303.5	304.0	303.8	303.0	303.1
20°	308.8	307.2	306.2	305.4	304.4	304.1	301.8	303.1	303.0	301.9	302.3
20.5°	307.9	306.6	306.2	303.7	303.9	303.1	300.4	301.6	301.2	300.8	301.3
21°	306.6	306.2	305.9	303.2	303.8	302.2	299.3	300.0	299.5	299.8	300.0
21.5°	305.5	305.6	304.7	302.9	303.1	301.1	298.8	299.1	298.6	298.8	298.9
22°	304.9	304.9	302.6	302.4	301.6	299.6	298.6	298.5	298.4	298.3	298.4



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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°	304.1	303.4	301.6	301.2	300.1	298.7	297.2	297.4	297.8	297.1	297.6
23°	303.3	301.8	300.9	299.5	298.9	297.9	295.4	296.2	296.5	295.5	296.6
23.5°	302.5	300.7	300.0	298.0	298.3	296.6	294.4	294.7	295.0	294.3	295.3
24°	301.2	300.0	299.1	296.9	297.7	295.0	293.8	293.4	293.4	293.1	294.0
24.5°	300.1	299.1	298.2	296.1	296.8	293.8	292.6	292.7	292.2	292.0	292.9
25°	299.5	298.3	297.3	295.2	295.3	292.9	291.1	291.8	291.0	290.9	292.4
25.5°	298.5	297.5	295.7	294.1	294.0	292.3	289.7	290.8	290.0	289.8	291.0
26°	296.8	295.8	293.9	292.9	292.8	291.0	288.6	289.8	289.0	289.1	289.5
26.5°	295.0	294.0	292.6	291.6	291.8	289.9	287.6	288.4	287.7	287.7	287.9
27°	293.9	293.1	291.8	290.7	290.8	288.6	286.7	287.1	286.1	286.1	286.6
27.5°	293.4	292.3	291.1	289.8	289.6	287.1	285.7	285.7	284.6	284.6	285.4
28°	292.7	291.3	290.0	288.3	288.3	285.6	284.5	284.1	283.4	283.6	284.2
28.5°	291.8	289.8	288.3	286.6	286.8	284.4	283.2	282.4	282.4	282.4	283.0
29°	290.3	288.3	286.8	285.1	285.2	283.4	281.7	281.0	281.2	280.8	281.8
29.5°	288.8	287.3	285.9	284.2	283.6	282.2	280.4	279.9	279.8	279.2	280.1
30°	287.4	286.8	285.0	283.7	282.3	281.1	278.6	278.9	278.1	278.0	278.7
30.5°	286.3	286.0	283.8	282.6	281.6	279.3	276.9	277.5	276.9	277.1	277.8
31°	284.9	284.1	282.2	281.0	280.6	277.6	275.4	275.5	275.8	275.5	276.3
31.5°	283.0	282.1	280.4	279.2	279.0	276.5	274.4	274.1	274.0	273.7	274.4
32°	280.9	280.9	279.3	277.5	277.1	275.2	273.0	273.0	272.1	271.9	273.1
32.5°	279.4	279.8	278.4	275.9	275.4	273.7	271.4	271.3	270.5	270.2	271.8
33°	278.5	278.2	276.6	274.4	274.3	271.9	269.7	269.5	269.3	269.1	270.0
33.5°	277.9	276.4	274.6	273.0	273.5	270.0	268.3	268.0	268.4	268.2	268.3
34°	276.9	274.7	273.2	271.8	272.4	268.5	266.5	267.0	267.0	266.5	266.5
34.5°	275.0	273.4	271.9	270.7	270.6	267.5	265.0	266.1	265.1	264.4	265.0
35°	273.0	272.1	270.7	269.1	268.3	266.5	263.6	264.6	262.8	262.2	263.8
35.5°	271.2	270.8	269.5	267.1	266.1	264.9	261.9	262.2	260.9	260.7	262.6
36°	269.5	269.6	268.0	265.2	264.7	263.2	260.2	260.1	259.4	260.3	261.3
36.5°	268.1	268.0	265.9	264.0	263.4	261.1	259.1	258.5	258.4	259.6	259.2
37°	266.7	266.0	264.0	262.8	261.6	259.1	257.7	257.5	256.9	257.8	257.0
37.5°	265.3	264.5	262.4	261.0	260.1	257.7	256.2	255.9	254.9	255.5	255.2
38°	264.1	262.7	261.5	258.8	258.8	257.2	254.3	253.7	253.3	253.2	253.9
38.5°	262.6	260.9	260.2	257.0	257.6	255.8	252.1	251.8	251.8	251.3	252.5
39°	260.8	259.3	258.0	255.8	255.8	253.4	250.3	250.3	250.3	250.0	250.7
39.5°	258.7	258.1	255.9	254.9	253.9	251.1	248.8	248.9	248.5	248.4	249.2
40°	256.9	256.9	254.1	253.5	251.9	249.2	247.2	247.0	246.2	246.1	247.5
40.5°	255.5	254.9	252.8	251.2	250.1	247.6	245.4	244.9	244.0	244.0	245.8
41°	254.0	252.6	251.2	248.7	248.1	245.9	243.5	242.9	241.9	242.2	243.8
41.5°	252.0	250.6	249.1	246.9	246.7	244.3	241.7	241.4	240.3	240.6	241.5
42°	250.0	248.9	247.2	245.8	245.9	242.8	240.2	239.8	238.9	239.3	239.9
42.5°	248.2	247.5	245.6	244.6	244.2	241.1	238.2	238.0	237.7	237.7	238.2
43°	247.0	246.0	244.1	243.0	241.9	238.9	236.2	236.2	235.5	235.9	236.1
43.5°	245.6	244.3	242.5	240.4	239.5	236.9	234.4	234.1	233.0	233.7	234.1
44°	243.1	242.2	240.7	237.6	237.5	235.0	232.7	232.1	231.1	231.2	232.4
44.5°	240.5	240.2	238.4	235.9	235.9	233.5	230.9	230.4	229.9	228.9	231.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	238.8	238.1	236.1	234.6	234.5	231.6	229.1	228.4	228.3	227.2	229.5
45.5°	237.5	236.1	234.3	232.9	232.7	229.8	226.8	226.3	226.2	226.2	227.0
46°	236.1	234.6	232.6	230.6	230.8	228.0	224.9	224.5	223.8	224.6	224.7
46.5°	234.6	232.9	230.9	228.4	228.9	226.1	223.2	222.5	221.7	222.2	223.1
47°	232.4	231.0	229.1	226.8	226.7	223.9	221.3	220.6	219.9	219.5	221.2
47.5°	230.2	228.5	227.1	225.6	224.7	221.7	219.3	218.8	218.1	217.6	219.0
48°	228.1	226.4	225.1	223.8	222.8	220.0	217.4	216.8	216.1	216.5	217.1
48.5°	225.9	224.6	223.4	221.5	220.9	218.3	215.5	214.8	213.9	215.0	215.2
49°	224.0	223.3	221.4	219.2	219.0	216.2	213.6	212.8	211.8	212.9	213.3
49.5°	222.4	221.9	219.4	217.0	217.1	214.3	211.6	210.5	209.9	210.3	211.2
50°	220.9	220.0	217.3	215.2	214.9	212.7	209.6	208.5	208.5	207.9	209.1
50.5°	219.1	217.5	215.3	213.6	212.7	210.6	207.4	207.0	206.4	206.0	207.0
51°	216.7	214.7	213.2	212.0	211.2	208.5	205.3	205.5	204.2	204.4	205.1
51.5°	214.8	212.7	211.6	210.1	209.5	206.3	203.6	203.5	202.0	202.6	203.5
52°	212.4	211.3	209.8	207.3	207.6	204.3	201.9	201.3	200.2	200.6	201.8
52.5°	210.1	209.9	207.9	204.9	205.6	202.3	199.8	199.0	198.3	198.4	200.0
53°	208.2	208.0	205.9	203.0	203.3	200.2	197.5	197.1	196.1	195.9	197.7
53.5°	206.5	205.3	204.0	201.3	200.8	198.8	195.3	195.2	193.6	193.8	195.2
54°	204.9	203.2	201.6	199.7	199.0	197.0	193.7	193.2	191.5	192.2	193.0
54.5°	202.9	201.2	199.4	197.8	197.4	194.6	192.3	191.3	190.0	190.5	191.4
55°	200.8	199.5	197.2	195.8	195.8	192.3	190.3	189.4	188.4	188.3	189.8
55.5°	198.8	197.3	195.2	193.6	193.8	190.3	187.8	187.1	186.2	186.1	187.7
56°	196.9	195.0	193.5	191.3	191.4	188.4	185.3	184.6	183.8	183.9	185.3
56.5°	194.5	193.0	191.7	189.4	189.1	186.4	183.1	182.3	181.5	181.8	183.0
57°	192.2	191.1	189.6	187.5	186.9	184.2	181.6	180.5	179.7	179.7	180.6
57.5°	190.5	189.2	187.2	185.4	185.0	181.8	179.8	178.7	177.7	177.7	178.9
58°	188.9	187.0	185.1	183.3	183.2	179.8	177.4	176.6	175.5	175.6	177.5
58.5°	186.9	184.6	183.3	181.2	181.1	177.9	175.0	174.3	173.1	173.5	175.5
59°	184.5	182.5	181.6	178.7	178.7	175.8	172.8	172.1	170.9	171.5	173.0
59.5°	182.3	180.6	179.9	176.5	176.3	173.7	170.9	170.2	169.5	169.9	170.6
60°	180.0	178.8	177.6	174.8	174.5	171.6	169.4	168.1	167.6	167.9	168.8
60.5°	177.7	176.7	175.1	173.0	172.6	169.7	167.2	165.8	165.2	165.8	167.4
61°	175.7	174.5	172.8	170.9	170.3	167.5	164.8	163.6	163.0	163.4	165.8
61.5°	173.8	172.3	170.9	169.0	167.9	165.3	162.3	161.6	161.0	161.0	163.5
62°	171.9	170.7	168.9	166.9	165.8	163.2	160.2	159.9	159.1	159.0	160.9
62.5°	169.8	168.9	166.8	165.0	164.2	161.2	158.4	158.0	157.1	157.5	158.4
63°	167.6	166.9	164.6	162.5	162.6	159.1	156.8	155.6	154.9	155.8	156.6
63.5°	165.4	164.4	162.5	160.2	160.2	157.2	154.9	153.5	152.7	153.6	155.2
64°	163.4	162.0	160.5	158.5	157.7	155.1	152.5	151.3	150.5	151.1	153.1
64.5°	161.5	159.9	158.7	156.6	155.4	152.8	150.1	149.3	148.4	148.8	150.8
65°	159.6	158.0	156.7	154.7	153.5	150.7	147.9	147.0	146.6	146.8	148.6
65.5°	157.5	156.1	154.7	152.3	151.8	148.7	145.9	144.9	144.8	145.1	146.5
66°	155.5	154.1	152.4	150.1	149.9	146.7	144.0	143.0	142.5	143.2	144.6
66.5°	153.3	152.0	150.2	148.2	147.7	144.7	142.1	141.0	140.3	141.0	142.6
67°	151.2	149.9	148.1	146.2	145.5	142.4	140.0	139.1	138.4	139.0	140.9



TEST NUMBER: P601043
 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°	148.9	147.9	146.1	144.0	143.2	140.4	137.9	136.9	136.5	137.0	139.0
68°	146.9	146.0	144.0	141.8	141.1	138.9	135.7	134.9	134.6	135.1	136.6
68.5°	145.1	144.2	141.8	140.0	139.2	136.9	133.8	132.9	132.5	133.2	134.6
69°	143.2	141.9	139.9	138.3	137.1	134.7	132.1	130.9	130.4	131.3	132.9
69.5°	141.3	139.8	137.9	136.2	135.1	132.4	130.3	128.9	128.5	129.1	131.2
70°	138.9	137.4	136.3	133.9	133.1	130.3	128.1	126.8	126.5	127.2	129.2
70.5°	136.9	135.5	134.6	131.8	131.2	128.4	125.8	124.9	124.5	125.2	127.0
71°	135.0	133.7	132.6	129.9	129.2	126.5	123.6	123.1	122.2	123.3	124.9
71.5°	133.0	131.8	130.2	128.2	127.2	124.4	121.6	121.1	120.2	121.5	122.9
72°	131.0	129.8	127.9	126.3	125.1	122.0	119.8	119.1	118.5	119.7	121.1
72.5°	129.2	127.7	126.1	124.3	123.3	120.1	117.9	117.2	116.7	117.6	119.1
73°	127.0	125.6	124.4	122.2	121.4	118.5	116.1	115.2	114.7	115.3	117.1
73.5°	125.1	123.6	122.6	120.2	119.3	116.9	114.3	113.2	112.7	113.5	115.1
74°	123.0	121.8	120.5	118.2	117.2	114.8	112.4	111.1	110.9	111.8	113.5
74.5°	121.0	119.8	118.4	116.1	115.2	112.8	110.4	109.3	109.0	110.1	112.1
75°	119.1	118.0	116.4	114.3	113.4	110.7	108.5	107.6	107.2	108.2	110.3
75.5°	117.3	116.1	114.6	112.6	111.6	108.9	106.6	105.8	105.4	106.2	108.3
76°	115.4	114.3	112.8	110.8	109.8	106.8	104.7	104.0	103.5	104.3	106.1
76.5°	113.6	112.7	111.1	109.1	107.8	105.0	102.8	102.1	101.6	102.7	104.2
77°	111.5	110.7	109.3	107.1	105.9	103.4	101.0	100.3	99.8	101.2	102.7
77.5°	109.7	108.6	107.2	105.0	104.0	101.8	99.1	98.5	98.1	99.5	101.0
78°	107.7	106.7	105.1	103.1	102.3	99.8	97.3	96.7	96.4	97.4	99.2
78.5°	105.9	105.1	103.3	101.4	100.4	97.8	95.7	94.9	94.8	95.5	97.4
79°	104.2	103.5	101.7	99.9	98.7	96.0	93.9	93.0	93.1	93.6	95.7
79.5°	102.5	101.6	99.9	98.4	96.8	94.4	92.1	91.3	91.3	92.1	94.0
80°	100.7	99.6	98.1	96.5	95.0	92.8	90.4	89.7	89.5	90.8	92.3
80.5°	99.1	97.8	96.3	94.8	93.4	91.2	88.9	88.3	87.9	89.1	90.6
81°	97.2	96.1	94.7	93.0	91.8	89.5	87.3	86.6	86.3	87.2	88.9
81.5°	95.4	94.4	92.9	91.3	90.0	87.8	85.5	84.8	84.6	85.6	87.4
82°	93.5	92.7	91.3	89.6	88.3	86.0	83.7	83.1	83.2	84.0	85.7
82.5°	91.8	91.0	89.6	88.0	86.9	84.4	82.3	81.5	81.6	82.4	83.9
83°	90.1	89.2	88.1	86.4	85.2	82.8	80.9	80.0	80.2	81.0	82.4
83.5°	88.7	87.7	86.5	84.8	83.6	81.3	79.6	78.9	78.6	79.6	81.1
84°	87.0	86.3	85.1	83.3	82.0	79.8	78.1	77.4	76.9	78.3	79.7
84.5°	85.4	84.6	83.5	81.7	80.4	78.5	76.4	75.9	75.6	76.6	78.4
85°	83.8	82.9	81.9	80.3	79.1	76.9	74.8	74.3	74.2	74.9	76.8
85.5°	82.2	81.3	80.4	78.7	77.6	75.5	73.4	72.8	72.8	73.6	75.2
86°	80.7	80.0	79.2	77.4	76.1	74.0	72.1	71.3	71.4	72.5	73.7
86.5°	79.2	78.6	77.7	76.1	74.6	72.6	70.8	69.9	69.9	71.3	72.4
87°	77.8	77.1	76.2	74.6	72.9	71.0	69.4	68.6	68.5	69.8	71.3
87.5°	76.5	75.7	74.6	73.3	71.7	69.7	68.1	67.5	67.4	68.2	70.0
88°	75.1	74.3	73.2	71.9	70.3	68.3	66.8	66.1	66.2	66.9	68.5
88.5°	73.5	72.8	71.9	70.5	69.0	67.1	65.5	64.8	64.9	65.6	67.1
89°	72.0	71.4	70.6	69.1	67.8	65.8	64.2	63.5	63.6	64.6	65.8
89.5°	70.7	70.1	69.2	67.8	66.4	64.4	62.8	62.3	62.3	63.3	64.5



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	69.4	68.9	67.9	66.5	65.1	63.1	61.7	61.1	61.0	62.0	63.4
90.5°	68.2	67.5	66.6	65.3	63.8	61.9	60.5	60.0	59.9	60.8	62.3
91°	66.9	66.2	65.4	64.2	62.5	60.8	59.3	58.8	58.8	59.7	61.1
91.5°	65.4	65.0	64.2	63.0	61.1	59.7	58.0	57.7	57.7	58.6	59.9
92°	64.2	63.7	63.1	61.8	60.0	58.6	56.9	56.4	56.5	57.6	58.7
92.5°	63.0	62.5	61.8	60.5	58.9	57.3	55.9	55.3	55.4	56.4	57.6
93°	62.0	61.4	60.5	59.2	57.9	56.2	54.8	54.2	54.2	55.3	56.5
93.5°	60.9	60.2	59.3	58.1	56.7	55.1	53.7	53.2	53.3	54.2	55.5
94°	59.7	59.1	58.4	57.1	55.5	54.0	52.8	52.2	52.4	53.1	54.4
94.5°	58.4	58.0	57.3	56.2	54.4	53.1	51.6	51.3	51.4	52.2	53.4
95°	57.3	57.0	56.1	55.1	53.3	51.9	50.7	50.3	50.4	51.2	52.3
95.5°	56.3	55.7	54.9	53.9	52.3	50.8	49.9	49.5	49.4	50.2	51.2
96°	55.3	54.6	53.9	52.8	51.4	50.1	49.1	48.5	48.6	49.5	50.3
96.5°	54.2	53.7	53.0	51.8	50.4	49.4	48.3	47.6	47.7	48.5	49.6
97°	53.1	52.8	52.2	50.9	49.5	48.4	47.1	46.7	46.8	47.6	48.9
97.5°	52.1	51.8	51.2	50.1	48.5	47.3	46.1	45.7	45.9	46.8	48.0
98°	51.2	50.9	50.2	49.1	47.6	46.3	45.4	45.0	45.3	45.9	46.8
98.5°	50.4	50.1	49.3	48.2	46.7	45.5	44.5	44.1	44.4	45.1	45.9
99°	49.5	49.1	48.3	47.5	45.9	44.7	43.7	43.3	43.6	44.2	45.4
99.5°	48.6	48.1	47.5	46.5	45.0	43.9	42.9	42.7	42.7	43.5	44.5
100°	47.7	47.3	46.7	45.7	44.1	43.1	42.0	41.9	41.9	42.8	43.7
100.5°	46.8	46.5	45.9	44.8	43.2	42.3	41.4	41.1	41.3	42.0	43.0
101°	45.9	45.5	45.0	44.0	42.7	41.5	40.7	40.4	40.8	41.3	42.1
101.5°	45.2	44.6	44.2	43.3	41.9	40.7	39.8	39.7	40.0	40.8	41.4
102°	44.4	43.8	43.4	42.5	41.2	39.9	39.1	39.0	39.2	40.0	40.8
102.5°	43.7	43.2	42.6	41.8	40.3	39.2	38.5	38.4	38.5	39.3	40.0
103°	42.6	42.5	41.8	41.1	39.5	38.5	37.9	37.8	38.3	38.5	39.4
103.5°	42.0	41.9	41.1	40.4	38.9	38.0	37.3	37.1	37.3	38.1	38.8
104°	41.3	40.8	40.5	39.7	38.2	37.3	36.8	36.5	36.8	37.3	38.1
104.5°	40.8	40.0	39.8	38.9	37.7	36.5	36.0	36.1	36.2	37.0	37.5
105°	40.1	39.5	39.0	38.4	37.1	36.1	35.4	35.3	35.6	36.3	37.0
105.5°	39.4	38.9	38.5	37.8	36.3	35.5	34.7	34.7	35.1	35.6	36.3
106°	38.7	38.4	37.8	37.1	35.8	34.9	34.4	34.4	34.5	35.2	35.8
106.5°	38.1	37.7	37.2	36.6	35.2	34.4	34.0	33.6	34.2	34.6	35.2
107°	37.6	37.1	36.7	36.0	34.6	33.8	33.3	33.3	33.5	34.4	34.7
107.5°	36.9	36.6	36.1	35.4	34.2	33.4	32.8	32.8	33.1	33.5	34.4
108°	36.3	36.0	35.6	35.0	33.5	32.7	32.3	32.4	32.6	33.2	33.6
108.5°	35.8	35.4	35.0	34.6	33.1	32.2	31.8	31.8	32.1	32.6	33.3
109°	35.3	34.9	34.5	34.0	32.6	31.7	31.2	31.3	31.6	32.2	32.7
109.5°	34.8	34.4	34.0	33.4	32.2	31.5	30.7	30.9	31.2	31.8	32.4
110°	34.3	33.8	33.5	32.9	31.5	30.9	30.5	30.6	30.7	31.4	31.8
110.5°	33.8	33.4	33.1	32.3	31.1	30.7	30.1	30.3	30.7	30.9	31.4
111°	33.3	33.0	32.6	32.0	30.8	30.0	29.6	29.8	30.0	30.8	31.0
111.5°	32.8	32.5	32.1	31.6	30.6	29.6	29.1	29.3	29.7	30.4	30.7
112°	32.4	32.0	31.7	31.2	29.8	29.3	28.8	28.8	29.3	29.7	30.6



TEST NUMBER: P601043
 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°	32.1	31.7	31.2	30.9	29.6	28.8	28.5	28.7	28.9	29.6	30.0
113°	31.7	31.2	30.9	30.5	29.1	28.5	28.2	28.3	28.7	29.0	29.5
113.5°	31.3	30.8	30.6	30.0	28.7	28.1	27.7	28.0	28.3	28.8	29.4
114°	30.9	30.5	30.2	29.6	28.3	27.9	27.6	27.8	27.9	28.6	28.9
114.5°	30.5	30.2	29.8	29.3	27.9	27.7	27.1	27.2	27.9	28.2	28.9
115°	30.2	29.8	29.5	29.0	27.8	27.2	26.9	27.0	27.7	28.2	28.3
115.5°	29.9	29.5	29.1	28.7	27.5	26.8	26.7	27.0	27.1	27.7	28.0
116°	29.6	29.1	28.9	28.4	27.1	26.8	26.4	26.9	26.9	27.6	27.8
116.5°	29.2	28.8	28.6	28.1	26.8	26.7	26.0	26.3	26.9	27.0	27.7
117°	28.9	28.5	28.3	27.8	26.8	26.1	25.9	26.1	26.6	26.9	27.3
117.5°	28.6	28.4	28.0	27.6	26.3	25.9	25.9	25.9	26.4	26.8	27.0
118°	28.4	28.1	27.7	27.4	26.1	25.9	25.7	25.8	26.2	26.6	26.8
118.5°	28.2	27.8	27.4	27.2	25.9	25.7	25.3	25.6	26.0	26.2	26.8
119°	27.9	27.7	27.3	27.0	25.8	25.6	25.2	25.4	25.9	26.2	26.6
119.5°	27.8	27.4	27.1	26.8	25.5	25.1	24.9	25.2	25.7	26.1	26.3
120°	27.6	27.2	26.8	26.7	25.3	24.9	24.9	25.0	25.4	26.1	26.1
120.5°	27.3	27.0	26.7	26.4	25.1	24.9	24.9	25.0	25.4	26.0	26.0
121°	27.2	26.8	26.4	26.3	25.1	24.9	24.9	24.9	25.2	25.8	25.8
121.5°	27.0	26.7	26.3	26.1	25.0	24.8	24.7	24.9	25.2	25.5	25.8
122°	26.8	26.5	26.2	26.0	24.9	24.8	24.7	24.8	25.3	25.4	25.8
122.5°	26.7	26.4	26.1	25.8	24.9	24.7	24.7	24.8	25.2	25.4	25.8
123°	26.5	26.2	26.0	25.8	24.8	24.7	24.6	24.8	25.2	25.5	25.6
123.5°	26.3	26.0	25.8	25.7	24.8	24.7	24.6	24.8	25.2	25.4	25.5
124°	26.2	25.9	25.7	25.6	24.7	24.7	24.6	24.8	25.3	25.4	25.5
124.5°	26.0	25.9	25.6	25.5	24.7	24.7	24.6	24.8	25.2	25.4	25.5
125°	26.0	25.8	25.5	25.4	24.7	24.7	24.6	24.8	25.2	25.4	25.5
125.5°	26.0	25.7	25.5	25.4	24.7	24.7	24.6	24.8	25.2	25.4	25.5
126°	26.0	25.5	25.4	25.3	24.7	24.7	24.7	24.8	25.2	25.5	25.5
126.5°	25.9	25.6	25.4	25.3	24.7	24.7	24.7	24.8	25.2	25.5	25.5
127°	25.7	25.5	25.4	25.3	24.7	24.7	24.7	24.8	25.2	25.5	25.5
127.5°	25.7	25.5	25.3	25.3	24.8	24.8	24.7	24.8	25.3	25.5	25.5
128°	25.7	25.5	25.3	25.3	24.8	24.8	24.8	24.9	25.3	25.6	25.5
128.5°	25.7	25.4	25.3	25.3	24.9	24.9	24.8	25.0	25.3	25.6	25.5
129°	25.7	25.4	25.3	25.3	25.0	24.9	24.9	25.1	25.3	25.7	25.6
129.5°	25.7	25.4	25.3	25.3	25.1	24.9	25.0	25.0	25.4	25.7	25.7
130°	25.6	25.4	25.3	25.3	25.0	24.9	25.2	25.2	25.4	25.7	25.9
130.5°	25.6	25.4	25.3	25.3	25.0	25.0	25.2	25.2	25.6	25.7	26.0
131°	25.6	25.4	25.3	25.3	25.2	25.2	25.2	25.3	25.7	25.9	26.0
131.5°	25.6	25.4	25.3	25.3	25.2	25.3	25.3	25.3	25.7	25.9	26.0
132°	25.6	25.4	25.3	25.3	25.3	25.4	25.4	25.4	25.8	26.1	26.0
132.5°	25.6	25.4	25.3	25.3	25.4	25.4	25.5	25.6	25.9	26.1	26.1
133°	25.6	25.4	25.3	25.3	25.5	25.5	25.7	25.7	26.1	26.3	26.2
133.5°	25.6	25.4	25.3	25.5	25.7	25.6	25.8	25.9	26.3	26.4	26.2
134°	25.7	25.4	25.3	25.8	25.7	25.8	25.9	26.0	26.5	26.4	26.3
134.5°	25.6	25.4	25.6	25.9	25.9	26.0	26.0	26.1	26.5	26.5	26.4



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	25.6	25.4	25.8	25.9	26.0	26.1	26.2	26.3	26.7	26.6	26.5
135.5°	25.9	25.7	25.8	25.9	26.2	26.3	26.4	26.5	26.8	26.9	26.6
136°	25.9	25.8	26.0	26.0	26.4	26.4	26.7	26.6	26.9	27.1	26.7
136.5°	25.9	25.9	26.0	26.2	26.5	26.6	26.7	26.8	27.0	27.2	26.8
137°	26.0	26.0	26.3	26.6	26.5	26.8	26.8	26.9	27.2	27.2	26.8
137.5°	26.2	26.1	26.6	26.8	26.7	27.0	27.0	27.0	27.3	27.4	27.1
138°	26.3	26.2	26.8	26.8	26.9	27.0	27.1	27.3	27.4	27.5	27.4
138.5°	26.4	26.5	26.8	26.8	27.1	27.2	27.4	27.4	27.5	27.5	27.5
139°	26.8	26.8	26.8	26.9	27.3	27.4	27.4	27.6	27.8	27.7	27.6
139.5°	27.0	26.9	26.9	27.1	27.4	27.6	27.6	27.7	27.9	27.9	27.8
140°	26.9	26.9	27.1	27.3	27.5	27.7	27.8	27.9	28.0	28.1	28.0
140.5°	27.1	26.9	27.2	27.5	27.8	27.8	28.0	28.0	28.2	28.4	28.2
141°	27.1	27.1	27.3	27.7	27.9	27.8	28.1	28.1	28.3	28.6	28.3
141.5°	27.2	27.2	27.6	27.8	28.0	28.0	28.3	28.1	28.3	28.6	28.4
142°	27.3	27.4	27.8	27.8	28.1	28.3	28.3	28.3	28.6	28.7	28.7
142.5°	27.8	27.8	27.7	28.0	28.3	28.4	28.6	28.4	28.7	28.8	28.8
143°	27.9	27.8	27.8	28.3	28.4	28.5	28.7	28.5	28.7	28.9	29.0
143.5°	27.9	27.8	28.0	28.6	28.4	28.5	28.7	28.6	28.7	29.1	29.1
144°	27.9	27.8	28.1	28.6	28.5	28.5	28.7	28.7	28.8	29.1	29.1
144.5°	27.9	27.9	28.1	28.6	28.7	28.8	28.7	28.8	28.8	29.0	29.1
145°	27.9	27.9	28.2	28.6	28.7	28.8	28.7	28.8	28.8	29.0	29.1
145.5°	27.9	27.9	28.2	28.6	28.7	28.8	28.7	28.7	28.8	29.0	29.1
146°	28.0	28.1	28.4	28.6	28.8	28.8	28.7	28.8	28.8	29.0	29.1
146.5°	28.4	28.2	28.7	28.6	28.8	28.7	28.7	28.8	28.8	29.0	29.1
147°	28.4	28.2	28.7	28.6	28.7	28.7	28.6	28.7	28.9	29.0	29.1
147.5°	28.3	28.3	28.7	28.6	28.6	28.7	28.6	28.5	28.9	29.0	29.1
148°	28.3	28.3	28.7	28.7	28.2	28.7	28.6	28.3	28.7	29.0	29.1
148.5°	28.3	28.3	28.8	28.7	28.2	28.2	28.6	28.3	28.7	29.1	29.1
149°	28.3	28.4	28.8	28.7	28.2	28.2	28.3	28.1	28.7	29.1	29.0
149.5°	28.3	28.4	28.7	28.8	28.2	28.1	28.1	28.1	28.7	28.8	29.0
150°	28.3	28.4	28.7	28.7	28.1	28.0	28.0	28.0	28.7	28.8	28.8
150.5°	28.3	28.4	28.8	28.7	28.1	28.0	27.9	27.9	28.3	28.8	28.8
151°	28.3	28.4	28.8	28.7	28.1	28.0	27.9	27.9	28.1	28.8	28.8
151.5°	28.3	28.4	28.7	28.8	28.0	27.8	27.9	27.9	28.1	28.8	28.8
152°	28.3	28.3	28.7	28.8	27.9	27.8	27.8	27.9	28.1	28.7	28.7
152.5°	28.3	28.3	28.5	28.7	27.8	27.7	27.8	27.9	28.0	28.7	28.7
153°	28.3	28.2	28.5	28.6	27.9	27.7	27.8	27.9	28.0	28.7	28.7
153.5°	28.3	28.2	28.5	28.6	27.8	27.8	27.8	27.9	28.0	28.7	28.7
154°	28.3	28.2	28.5	28.6	27.8	27.7	27.8	27.9	28.0	28.6	28.7
154.5°	28.3	28.2	28.4	28.5	27.8	27.7	27.8	27.9	27.9	28.6	28.7
155°	28.3	28.2	28.3	28.5	27.8	27.7	27.9	27.9	27.9	28.6	28.7
155.5°	28.3	28.2	28.3	28.5	27.8	27.7	27.9	27.9	27.9	28.6	28.7
156°	28.3	28.1	28.3	28.5	27.8	27.7	27.7	27.9	27.9	28.6	28.7
156.5°	28.3	28.1	28.4	28.5	27.8	27.7	27.7	27.9	27.9	28.6	28.7
157°	28.2	28.1	28.3	28.5	27.8	27.7	27.8	27.9	27.9	28.4	28.7



TEST NUMBER: P601043
 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°	28.2	28.1	28.3	28.3	27.8	27.7	27.7	27.7	28.0	28.2	28.7
158°	28.2	27.8	28.2	28.3	27.8	27.7	27.7	27.8	28.0	28.1	28.7
158.5°	28.2	27.8	28.1	28.2	27.8	27.7	27.7	27.7	27.9	28.1	28.6
159°	28.0	27.8	27.9	28.0	27.8	27.7	27.5	27.6	27.9	28.1	28.3
159.5°	27.9	27.7	27.8	28.0	27.8	27.8	27.4	27.2	27.5	28.1	28.1
160°	27.7	27.7	27.7	27.9	27.8	27.8	27.2	27.0	27.3	27.8	27.9
160.5°	27.8	27.5	27.6	27.8	27.6	27.6	27.0	26.9	27.0	27.9	27.8
161°	27.7	27.4	27.5	27.8	27.2	27.3	26.9	26.9	26.9	27.6	27.8
161.5°	27.6	27.3	27.5	27.6	27.2	27.1	26.7	26.8	26.9	27.4	27.7
162°	27.5	27.2	27.3	27.5	27.0	26.9	26.8	26.5	26.9	27.2	27.7
162.5°	27.4	27.2	27.2	27.3	26.9	26.8	26.7	26.3	26.7	27.0	27.3
163°	27.3	27.1	27.1	27.2	26.9	26.8	26.6	26.1	26.4	26.8	27.1
163.5°	27.3	26.9	27.0	27.1	26.9	26.8	26.4	26.1	26.2	26.9	27.0
164°	27.2	26.8	26.8	26.9	26.4	26.3	26.2	26.0	26.1	26.7	26.9
164.5°	27.0	26.6	26.7	26.8	26.2	26.1	26.0	26.0	26.0	26.4	26.8
165°	27.0	26.5	26.5	26.5	26.2	26.1	25.7	25.7	26.0	26.1	26.8
165.5°	26.7	26.3	26.3	26.4	26.1	25.9	25.7	25.5	25.7	25.9	26.6
166°	26.6	26.1	26.1	26.2	25.9	25.8	25.3	25.3	25.4	25.9	26.0
166.5°	26.3	25.9	25.9	26.0	25.9	25.8	25.2	25.2	25.3	25.4	25.8
167°	26.2	25.8	25.7	25.9	25.6	25.6	25.0	25.0	25.0	25.2	25.8
167.5°	26.1	25.5	25.4	25.5	25.3	25.2	24.8	25.0	24.9	25.2	25.4
168°	25.7	25.2	25.0	25.1	24.8	24.8	24.4	24.5	24.7	25.0	25.2
168.5°	25.5	24.9	24.7	24.8	24.2	24.3	24.0	24.2	24.3	24.6	24.9
169°	25.1	24.6	24.3	24.4	24.1	24.1	23.9	24.1	24.2	24.4	24.5
169.5°	24.9	24.3	24.1	24.1	23.9	23.9	24.0	24.1	24.3	24.4	24.6
170°	24.8	24.4	24.1	24.2	23.9	23.9	24.0	24.1	24.3	24.4	24.6
170.5°	24.7	24.4	24.1	24.1	24.0	24.0	24.0	24.1	24.3	24.4	24.6
171°	25.1	25.0	25.3	25.2	24.4	24.3	24.4	24.5	24.6	24.6	24.6
171.5°	26.4	26.5	26.8	26.7	25.9	25.4	25.5	25.7	25.6	25.5	25.1
172°	27.8	28.0	28.1	28.0	27.4	27.0	27.2	27.4	27.1	26.9	26.4
172.5°	28.8	28.9	28.9	28.8	28.9	28.6	28.8	29.0	28.8	28.4	27.9
173°	29.6	29.5	29.5	29.6	29.8	29.5	29.9	30.1	29.7	29.4	29.0
173.5°	30.4	30.0	29.8	29.8	30.4	30.2	30.4	30.7	30.5	30.1	29.8
174°	30.7	30.7	30.2	30.0	30.9	30.7	30.9	31.0	31.0	30.8	30.5
174.5°	30.7	30.7	30.7	30.7	31.2	31.0	31.1	31.0	31.0	30.8	30.7
175°	30.7	30.7	30.8	30.7	31.2	31.2	31.1	31.0	31.0	30.8	30.7
175.5°	30.7	30.7	30.8	30.7	31.4	31.4	31.0	31.0	31.0	30.8	30.7
176°	30.8	30.7	30.8	30.7	31.5	31.3	31.0	31.0	31.0	30.8	30.7
176.5°	30.8	30.7	30.8	30.7	31.5	31.4	31.0	31.0	31.0	30.8	30.7
177°	30.8	30.7	30.8	30.7	31.5	31.4	31.0	31.0	31.0	30.8	30.7
177.5°	30.8	30.7	30.8	30.7	31.5	31.4	31.0	31.0	31.0	30.8	30.7
178°	30.8	30.7	30.8	30.7	31.6	31.4	31.0	31.0	31.0	30.8	30.7
178.5°	30.8	30.7	30.8	30.7	31.7	31.4	31.0	31.0	31.0	30.8	30.7
179°	30.8	30.7	30.8	30.7	31.7	31.4	31.0	31.0	31.0	30.8	30.7
179.5°	30.8	30.7	30.8	30.8	31.7	31.4	31.0	31.0	31.0	30.8	30.7



TEST NUMBER: P601043
CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	323.0	323.0	323.0	323.0	323.0	323.0
0.5°	323.0	323.0	323.0	322.2	323.1	323.0
1°	323.0	323.0	322.7	322.0	323.2	323.2
1.5°	322.3	323.0	322.7	322.1	323.2	323.8
2°	321.6	323.0	322.7	322.4	323.3	324.4
2.5°	321.2	323.0	322.7	322.6	323.3	324.7
3°	321.3	323.0	322.7	322.5	323.2	324.3
3.5°	321.5	323.0	322.6	321.7	323.2	323.9
4°	322.1	322.5	322.4	321.6	323.7	323.6
4.5°	322.1	322.1	322.0	321.6	323.7	323.5
5°	321.7	321.9	321.9	321.5	323.7	323.4
5.5°	320.7	321.8	321.9	321.5	323.4	323.3
6°	319.9	321.8	322.0	321.1	323.0	322.8
6.5°	319.7	321.9	321.9	320.7	322.3	322.7
7°	319.7	321.9	321.0	320.7	322.0	322.6
7.5°	319.7	321.1	320.7	320.7	322.1	322.6
8°	319.2	320.3	320.7	320.7	322.2	322.5
8.5°	318.5	320.1	320.6	320.0	322.3	322.1
9°	318.0	319.9	320.6	319.2	321.4	321.6
9.5°	317.5	319.5	319.9	319.0	320.4	321.0
10°	316.9	319.2	319.2	319.0	320.0	320.9
10.5°	316.9	318.9	318.5	319.0	320.0	320.9
11°	316.3	317.8	318.3	318.8	320.0	320.9
11.5°	315.8	316.8	317.8	318.3	320.0	320.1
12°	314.8	316.4	317.1	317.7	319.5	319.2
12.5°	313.9	316.4	316.8	316.7	318.7	318.4
13°	313.3	316.3	316.5	315.6	318.3	317.7
13.5°	313.0	315.3	315.6	315.0	318.1	317.7
14°	312.4	314.3	314.3	314.9	317.3	317.7
14.5°	312.5	313.8	313.6	314.9	316.1	317.4
15°	312.0	313.6	313.4	315.0	315.6	316.4
15.5°	310.8	312.8	313.3	314.6	315.2	315.0
16°	309.6	311.6	313.2	312.3	314.9	313.7
16.5°	308.6	310.8	312.7	311.0	314.6	313.3
17°	308.5	310.4	311.0	310.4	313.6	313.3
17.5°	308.0	310.1	309.4	310.1	312.3	313.3
18°	307.4	309.4	308.9	310.1	311.4	312.9
18.5°	306.5	307.6	308.9	309.8	310.7	311.4
19°	305.4	306.2	308.8	308.7	309.9	310.2
19.5°	303.9	305.4	307.7	307.3	308.7	309.5
20°	302.8	305.0	305.6	306.4	308.0	308.8
20.5°	302.0	304.4	304.0	305.9	307.3	307.9
21°	301.8	303.1	303.9	304.7	306.5	306.6
21.5°	301.2	301.3	303.8	303.1	305.5	305.5
22°	300.1	300.7	303.3	302.1	304.5	304.9



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	298.3	300.1	301.8	301.6	303.9	304.1
23°	297.2	299.2	299.9	300.9	303.4	303.3
23.5°	296.9	298.0	298.7	299.7	302.3	302.5
24°	295.8	296.5	297.6	298.9	300.5	301.2
24.5°	294.1	295.6	296.7	298.0	299.2	300.1
25°	292.3	294.4	296.2	297.0	298.6	299.5
25.5°	290.8	293.0	295.1	295.7	297.6	298.5
26°	290.1	291.9	293.5	294.3	296.2	296.8
26.5°	289.8	291.5	292.4	292.9	295.1	295.0
27°	288.7	291.0	291.6	291.8	294.4	293.9
27.5°	287.0	289.7	290.7	290.8	293.3	293.4
28°	285.2	287.7	288.9	289.8	291.6	292.7
28.5°	283.8	285.8	287.1	288.7	290.1	291.8
29°	283.0	284.9	286.1	287.6	289.1	290.3
29.5°	282.1	284.1	285.3	286.2	288.1	288.8
30°	280.9	283.0	284.5	284.9	287.1	287.4
30.5°	279.2	281.3	283.1	283.8	285.7	286.3
31°	277.5	279.6	281.3	282.5	284.4	284.9
31.5°	276.0	278.0	279.1	280.7	283.4	283.0
32°	274.5	276.5	277.6	278.9	282.4	280.9
32.5°	272.8	275.4	276.7	277.6	280.8	279.4
33°	271.1	274.2	275.4	276.5	278.8	278.5
33.5°	269.9	272.5	273.7	275.2	277.0	277.9
34°	268.8	270.3	272.2	273.7	275.5	276.9
34.5°	267.3	268.8	270.8	271.9	274.2	275.0
35°	265.4	267.6	269.5	270.5	272.7	273.0
35.5°	263.6	266.3	268.1	269.6	271.3	271.2
36°	262.6	264.8	266.8	268.7	270.1	269.5
36.5°	261.5	263.2	265.1	267.2	268.2	268.1
37°	260.2	261.3	263.2	265.0	266.1	266.7
37.5°	258.4	259.7	261.4	263.1	264.7	265.3
38°	255.9	258.2	259.7	261.7	263.4	264.1
38.5°	253.5	256.3	258.2	260.4	262.1	262.6
39°	252.2	254.4	256.9	258.6	260.7	260.8
39.5°	251.5	252.6	255.2	256.5	259.1	258.7
40°	249.8	250.8	253.6	254.6	257.0	256.9
40.5°	247.5	249.6	251.6	253.0	254.9	255.5
41°	244.9	247.9	249.5	251.8	253.1	254.0
41.5°	243.0	245.8	247.8	250.1	251.7	252.0
42°	241.8	243.6	246.5	248.5	250.2	250.0
42.5°	240.1	241.9	245.0	246.9	248.3	248.2
43°	238.3	240.4	242.7	245.1	246.5	247.0
43.5°	236.5	238.7	240.4	243.1	244.9	245.6
44°	234.6	236.5	238.6	241.1	243.0	243.1
44.5°	232.8	234.7	236.9	238.9	241.1	240.5



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	230.7	233.0	235.4	237.1	239.6	238.8
45.5°	228.7	231.3	233.9	235.2	237.8	237.5
46°	226.9	229.7	231.7	233.4	235.7	236.1
46.5°	225.2	227.7	229.8	231.6	233.6	234.6
47°	223.3	225.4	228.0	230.2	231.9	232.4
47.5°	221.3	223.4	226.3	228.8	230.5	230.2
48°	219.3	221.6	224.3	227.0	228.7	228.1
48.5°	217.2	220.0	222.5	224.4	226.4	225.9
49°	215.3	218.1	220.6	221.8	224.4	224.0
49.5°	213.7	215.7	218.9	219.8	222.6	222.4
50°	211.7	213.3	216.4	218.3	220.9	220.9
50.5°	209.5	211.5	214.2	217.0	219.0	219.1
51°	207.6	210.1	212.4	215.4	216.7	216.7
51.5°	205.9	208.3	210.3	213.0	214.6	214.8
52°	203.8	205.8	208.4	210.3	212.6	212.4
52.5°	201.7	203.4	206.4	208.1	210.5	210.1
53°	199.8	201.5	204.4	206.4	208.3	208.2
53.5°	197.9	199.8	202.4	204.9	206.2	206.5
54°	195.6	198.0	200.6	203.4	204.1	204.9
54.5°	193.6	196.5	198.5	201.2	202.1	202.9
55°	192.0	194.3	196.7	199.2	200.7	200.8
55.5°	190.1	191.7	194.4	197.0	198.8	198.8
56°	188.1	189.5	192.3	195.0	196.7	196.9
56.5°	186.0	187.7	190.4	193.0	194.4	194.5
57°	183.6	185.9	188.9	191.0	192.2	192.2
57.5°	181.4	183.7	187.1	188.7	190.5	190.5
58°	179.6	181.5	184.7	186.6	189.0	188.9
58.5°	177.8	179.3	182.7	184.6	187.0	186.9
59°	175.9	177.4	180.8	182.5	184.7	184.5
59.5°	173.5	175.7	178.8	180.6	182.5	182.3
60°	170.9	174.0	176.6	178.6	180.3	180.0
60.5°	168.8	171.7	174.4	176.7	178.4	177.7
61°	167.1	169.3	172.5	174.8	176.3	175.7
61.5°	165.7	167.1	170.6	172.6	174.2	173.8
62°	163.9	165.2	168.5	170.5	172.3	171.9
62.5°	161.3	163.2	166.3	168.3	170.5	169.8
63°	158.6	161.2	164.2	166.4	168.4	167.6
63.5°	156.4	159.2	162.2	164.4	166.2	165.4
64°	155.0	157.2	160.1	162.2	164.1	163.4
64.5°	153.5	155.4	158.0	160.2	162.0	161.5
65°	151.6	153.3	156.0	158.4	159.6	159.6
65.5°	149.2	151.2	154.2	156.2	157.2	157.5
66°	146.7	148.9	152.3	154.3	155.2	155.5
66.5°	144.6	146.9	150.2	152.2	153.4	153.3
67°	143.1	144.9	148.1	150.1	151.5	151.2



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	141.3	143.1	146.1	147.9	149.3	148.9
68°	139.5	141.1	144.1	145.8	147.4	146.9
68.5°	137.1	138.9	142.0	144.0	145.6	145.1
69°	135.0	136.9	140.0	142.0	143.5	143.2
69.5°	133.0	134.9	137.9	140.1	141.3	141.3
70°	131.2	133.1	136.1	137.9	139.3	138.9
70.5°	129.3	131.3	134.0	136.2	137.2	136.9
71°	127.6	129.3	132.1	134.2	135.1	135.0
71.5°	125.7	127.2	130.1	132.3	133.2	133.0
72°	123.6	125.4	128.2	130.4	131.1	131.0
72.5°	121.4	123.5	126.2	128.5	129.4	129.2
73°	119.4	121.6	124.2	126.5	127.6	127.0
73.5°	117.6	119.8	122.3	124.5	125.8	125.1
74°	115.9	117.8	120.4	122.2	123.7	123.0
74.5°	114.2	115.9	118.6	120.3	121.5	121.0
75°	112.4	114.0	116.8	118.5	119.3	119.1
75.5°	110.4	112.1	114.8	116.8	117.5	117.3
76°	108.7	110.4	112.8	115.1	115.8	115.4
76.5°	106.9	108.6	111.0	113.0	113.9	113.6
77°	105.0	106.7	109.3	111.0	111.9	111.5
77.5°	103.2	104.8	107.5	109.1	110.1	109.7
78°	101.5	103.0	105.8	107.3	108.2	107.7
78.5°	99.7	101.1	103.9	105.8	106.5	105.9
79°	97.9	99.4	102.1	104.1	104.9	104.2
79.5°	96.1	97.9	100.4	102.2	102.9	102.5
80°	94.4	96.2	98.9	100.1	100.9	100.7
80.5°	92.8	94.3	97.1	98.5	99.1	99.1
81°	91.2	92.5	95.2	96.8	97.4	97.2
81.5°	89.6	90.9	93.3	95.1	96.0	95.4
82°	88.0	89.5	91.9	93.3	94.2	93.5
82.5°	86.2	87.9	90.4	91.5	92.2	91.8
83°	84.6	86.2	88.7	89.9	90.4	90.1
83.5°	83.0	84.7	87.1	88.3	88.8	88.7
84°	81.6	83.2	85.4	86.8	87.4	87.0
84.5°	80.1	81.8	83.7	85.3	85.8	85.4
85°	78.7	80.6	82.2	83.6	84.3	83.8
85.5°	77.2	78.9	80.9	81.9	82.6	82.2
86°	75.7	77.3	79.7	80.4	81.0	80.7
86.5°	74.3	75.8	78.1	79.2	79.8	79.2
87°	72.9	74.5	76.4	78.0	78.4	77.8
87.5°	71.6	73.3	75.2	76.5	76.9	76.5
88°	70.4	72.0	73.8	75.1	75.3	75.1
88.5°	69.1	70.5	72.6	73.4	73.8	73.5
89°	67.7	69.1	71.3	72.1	72.6	72.0
89.5°	66.2	67.9	69.7	70.8	71.2	70.7



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	65.0	66.8	68.6	69.6	70.0	69.4
90.5°	64.0	65.6	67.3	68.5	68.6	68.2
91°	62.7	64.3	66.1	67.1	67.3	66.9
91.5°	61.5	62.9	64.9	65.7	66.0	65.4
92°	60.4	61.7	63.5	64.4	64.9	64.2
92.5°	59.1	60.6	62.3	63.4	63.5	63.0
93°	57.9	59.6	61.2	62.4	62.4	62.0
93.5°	56.8	58.7	60.1	61.2	61.3	60.9
94°	55.8	57.5	59.0	59.9	60.2	59.7
94.5°	54.7	56.4	57.9	58.7	59.0	58.4
95°	53.8	55.3	56.7	57.6	57.8	57.3
95.5°	52.9	54.3	55.8	56.6	56.7	56.3
96°	51.9	53.4	55.0	55.6	55.7	55.3
96.5°	50.9	52.5	54.1	54.6	54.8	54.2
97°	49.9	51.8	52.9	53.6	53.9	53.1
97.5°	49.2	50.7	51.7	52.7	52.8	52.1
98°	48.3	49.9	50.9	51.7	51.8	51.2
98.5°	47.3	48.8	50.1	50.8	50.8	50.4
99°	46.4	47.9	49.3	50.1	50.1	49.5
99.5°	45.5	47.1	48.3	49.1	49.1	48.6
100°	44.7	46.4	47.6	48.3	48.2	47.7
100.5°	43.9	45.6	46.7	47.4	47.4	46.8
101°	43.1	44.9	45.9	46.5	46.7	45.9
101.5°	42.6	44.1	45.2	45.8	45.8	45.2
102°	41.7	43.3	44.4	45.0	44.9	44.4
102.5°	41.0	42.3	43.5	44.2	44.1	43.7
103°	40.2	41.8	42.9	43.4	43.3	42.6
103.5°	39.8	41.1	42.2	42.6	42.7	42.0
104°	39.1	40.5	41.5	41.9	42.0	41.3
104.5°	38.4	39.9	40.8	41.3	41.2	40.8
105°	38.0	39.4	40.2	40.6	40.6	40.1
105.5°	37.0	38.7	39.6	39.9	39.9	39.4
106°	36.5	38.1	39.0	39.4	39.3	38.7
106.5°	36.1	37.4	38.5	38.8	38.7	38.1
107°	35.5	36.8	37.8	38.3	38.1	37.6
107.5°	35.1	36.3	37.1	37.7	37.5	36.9
108°	34.4	35.9	36.6	37.0	36.9	36.3
108.5°	34.2	35.4	36.1	36.4	36.3	35.8
109°	33.5	34.9	35.6	35.9	35.8	35.3
109.5°	33.3	34.4	35.1	35.3	35.3	34.8
110°	32.6	33.9	34.7	34.8	34.8	34.3
110.5°	32.2	33.4	34.1	34.4	34.3	33.8
111°	31.6	33.1	33.6	33.9	33.9	33.3
111.5°	31.3	32.6	33.1	33.5	33.4	32.8
112°	30.9	32.3	32.7	33.0	33.0	32.4



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	30.6	31.9	32.3	32.6	32.5	32.1
113°	30.3	31.5	32.0	32.2	32.1	31.7
113.5°	29.6	31.1	31.5	31.9	31.7	31.3
114°	29.5	30.7	31.1	31.4	31.3	30.9
114.5°	29.3	30.4	30.9	31.1	31.0	30.5
115°	28.8	30.1	30.5	30.7	30.7	30.2
115.5°	28.8	29.8	30.2	30.4	30.3	29.9
116°	28.1	29.5	29.9	30.1	30.0	29.6
116.5°	27.9	29.2	29.6	29.7	29.7	29.2
117°	27.6	28.8	29.4	29.4	29.4	28.9
117.5°	27.6	28.7	29.0	29.3	29.0	28.6
118°	27.2	28.4	28.8	28.8	28.7	28.4
118.5°	27.0	28.3	28.5	28.6	28.5	28.2
119°	26.8	28.1	28.3	28.4	28.3	27.9
119.5°	26.7	27.9	28.1	28.1	28.1	27.8
120°	26.4	27.7	27.9	28.0	27.8	27.6
120.5°	26.2	27.5	27.7	27.7	27.7	27.3
121°	26.1	27.4	27.5	27.6	27.6	27.2
121.5°	25.9	27.1	27.4	27.4	27.4	27.0
122°	25.9	27.0	27.2	27.2	27.1	26.8
122.5°	25.9	27.0	27.0	27.0	26.9	26.7
123°	25.8	27.0	26.8	26.9	26.7	26.5
123.5°	25.8	26.8	26.7	26.8	26.6	26.3
124°	25.8	26.6	26.7	26.7	26.6	26.2
124.5°	25.7	26.5	26.6	26.6	26.4	26.0
125°	25.7	26.4	26.5	26.4	26.4	26.0
125.5°	25.7	26.4	26.3	26.3	26.2	26.0
126°	25.7	26.4	26.3	26.3	26.0	26.0
126.5°	25.7	26.3	26.3	26.2	26.0	25.9
127°	25.7	26.3	26.3	26.1	25.9	25.7
127.5°	25.7	26.2	26.1	26.0	25.9	25.7
128°	25.7	26.2	26.1	26.0	25.9	25.7
128.5°	25.7	26.2	26.1	26.0	25.8	25.7
129°	25.8	26.2	26.1	25.9	25.8	25.7
129.5°	25.8	26.2	26.1	25.9	25.8	25.7
130°	25.8	26.2	26.1	26.0	25.8	25.6
130.5°	25.8	26.2	26.1	25.9	25.8	25.6
131°	26.0	26.2	26.1	25.9	25.8	25.6
131.5°	26.1	26.2	26.1	25.9	25.8	25.6
132°	26.2	26.2	26.1	25.9	25.8	25.6
132.5°	26.2	26.2	26.1	25.9	25.8	25.6
133°	26.2	26.2	26.1	25.9	25.8	25.6
133.5°	26.3	26.2	26.1	25.9	25.8	25.6
134°	26.4	26.2	26.1	25.9	25.9	25.7
134.5°	26.4	26.2	26.1	26.0	26.0	25.6



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	26.5	26.3	26.1	26.0	26.0	25.6
135.5°	26.6	26.4	26.1	26.0	26.1	25.9
136°	26.8	26.8	26.3	26.1	26.0	25.9
136.5°	26.8	26.9	26.4	26.1	26.0	25.9
137°	26.8	27.0	26.7	26.2	26.1	26.0
137.5°	26.9	27.0	26.8	26.5	26.3	26.2
138°	27.1	27.0	26.8	26.8	26.6	26.3
138.5°	27.2	27.2	26.9	26.8	26.8	26.4
139°	27.4	27.4	27.0	26.9	26.9	26.8
139.5°	27.5	27.8	27.3	27.1	26.9	27.0
140°	27.7	27.8	27.4	27.1	27.0	26.9
140.5°	27.8	27.8	27.7	27.3	27.1	27.1
141°	27.9	28.0	27.7	27.6	27.3	27.1
141.5°	28.1	28.2	27.8	27.7	27.4	27.2
142°	28.3	28.3	28.0	27.7	27.6	27.3
142.5°	28.4	28.6	28.1	27.8	27.8	27.8
143°	28.6	28.8	28.4	28.0	27.8	27.9
143.5°	28.8	28.8	28.4	28.0	27.9	27.9
144°	28.9	28.8	28.6	28.2	28.0	27.9
144.5°	29.0	28.8	28.7	28.7	28.1	27.9
145°	29.0	28.9	28.7	28.7	28.2	27.9
145.5°	28.9	29.1	28.8	28.7	28.5	27.9
146°	28.9	29.1	29.0	28.7	28.6	28.0
146.5°	28.9	29.2	29.0	28.8	28.7	28.4
147°	28.9	29.3	29.1	28.9	28.7	28.4
147.5°	28.9	29.6	29.3	29.1	28.7	28.3
148°	28.9	29.7	29.5	29.3	28.7	28.3
148.5°	28.9	29.7	29.6	29.3	28.7	28.3
149°	28.9	29.8	29.6	29.4	28.7	28.3
149.5°	28.9	29.8	29.5	29.3	28.7	28.3
150°	28.7	29.7	29.5	29.3	28.7	28.3
150.5°	28.8	29.7	29.5	29.3	28.7	28.3
151°	28.8	29.7	29.5	29.3	28.7	28.3
151.5°	28.7	29.7	29.5	29.4	28.7	28.3
152°	28.7	29.7	29.5	29.4	28.7	28.3
152.5°	28.6	29.7	29.5	29.3	28.7	28.3
153°	28.5	29.8	29.5	29.1	28.7	28.3
153.5°	28.5	29.8	29.6	29.2	28.7	28.3
154°	28.5	29.7	29.5	29.2	28.7	28.3
154.5°	28.5	29.7	29.4	29.1	28.6	28.3
155°	28.5	29.7	29.4	29.1	28.6	28.3
155.5°	28.5	29.5	29.4	29.1	28.6	28.3
156°	28.4	29.5	29.4	29.1	28.6	28.3
156.5°	28.4	29.5	29.4	29.2	28.5	28.3
157°	28.4	29.5	29.3	29.2	28.5	28.2



TEST NUMBER: P601043
 CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	28.4	29.4	29.3	29.1	28.6	28.2
158°	28.4	29.4	29.4	29.0	28.6	28.2
158.5°	28.3	29.3	29.2	28.9	28.4	28.2
159°	28.2	29.3	29.2	28.9	28.3	28.0
159.5°	28.0	29.3	29.3	28.8	28.3	27.9
160°	28.0	29.3	29.2	28.7	28.3	27.7
160.5°	27.9	29.3	29.0	28.6	28.1	27.8
161°	27.8	29.1	28.8	28.4	28.0	27.7
161.5°	27.8	28.8	28.7	28.3	27.8	27.6
162°	27.7	28.6	28.6	28.1	27.7	27.5
162.5°	27.4	28.5	28.4	28.0	27.6	27.4
163°	27.2	28.5	28.3	27.9	27.6	27.3
163.5°	27.0	28.3	28.1	27.8	27.6	27.3
164°	27.0	28.1	28.0	27.6	27.4	27.2
164.5°	26.9	28.0	27.9	27.4	27.1	27.0
165°	26.8	27.9	27.8	27.3	27.1	27.0
165.5°	26.8	27.8	27.7	27.2	27.0	26.7
166°	26.5	27.6	27.4	26.9	26.8	26.6
166.5°	26.1	27.5	27.1	26.8	26.7	26.3
167°	25.9	27.4	26.8	26.6	26.5	26.2
167.5°	25.8	27.1	26.6	26.5	26.3	26.1
168°	25.7	26.8	26.4	26.2	26.0	25.7
168.5°	25.3	26.5	26.1	25.9	25.7	25.5
169°	24.9	26.0	25.7	25.5	25.4	25.1
169.5°	24.5	25.6	25.3	25.2	25.1	24.9
170°	24.5	25.3	25.1	25.0	24.9	24.8
170.5°	24.5	25.1	25.0	24.9	24.9	24.7
171°	24.6	25.1	25.1	24.9	25.0	25.1
171.5°	25.0	25.8	25.8	25.6	26.1	26.4
172°	26.1	27.4	27.2	27.1	27.6	27.8
172.5°	27.7	28.6	28.5	28.4	28.7	28.8
173°	28.9	29.5	29.3	29.3	29.6	29.6
173.5°	29.7	30.1	29.9	29.9	30.1	30.4
174°	30.4	30.6	30.6	30.6	30.6	30.7
174.5°	30.7	30.7	30.7	30.6	30.8	30.7
175°	30.7	30.7	30.7	30.6	30.9	30.7
175.5°	30.7	30.7	30.6	30.6	31.0	30.7
176°	30.7	30.8	30.6	30.7	31.0	30.8
176.5°	30.7	30.9	30.8	30.8	31.0	30.8
177°	30.7	31.0	30.7	30.8	31.0	30.8
177.5°	30.7	31.1	30.8	30.8	31.0	30.8
178°	30.7	31.1	30.8	30.9	31.0	30.8
178.5°	30.7	31.1	31.0	30.9	31.0	30.8
179°	30.7	31.1	31.0	30.9	31.0	30.8
179.5°	30.7	31.1	31.1	30.9	31.0	30.8



TEST NUMBER: P601043
CATALOG NUMBER: FM119S1EWHR_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	30.7	30.7	30.7	30.7	30.7	30.7

(END OF REPORT)