

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: LUMARK

Report Number: P1197044

Luminaire Tested: AWP75S-BZ-LOW-3000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LDS)
Test Lab: INNOVATION CENTER
Issue Date: 10/30/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: AWP75S-BZ-LOW-3000K-POSITION 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 10024 (1 lamp)
Luminaire Lumens: 7932.5 lumens
Efficiency: 79.1%
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U2 - G2

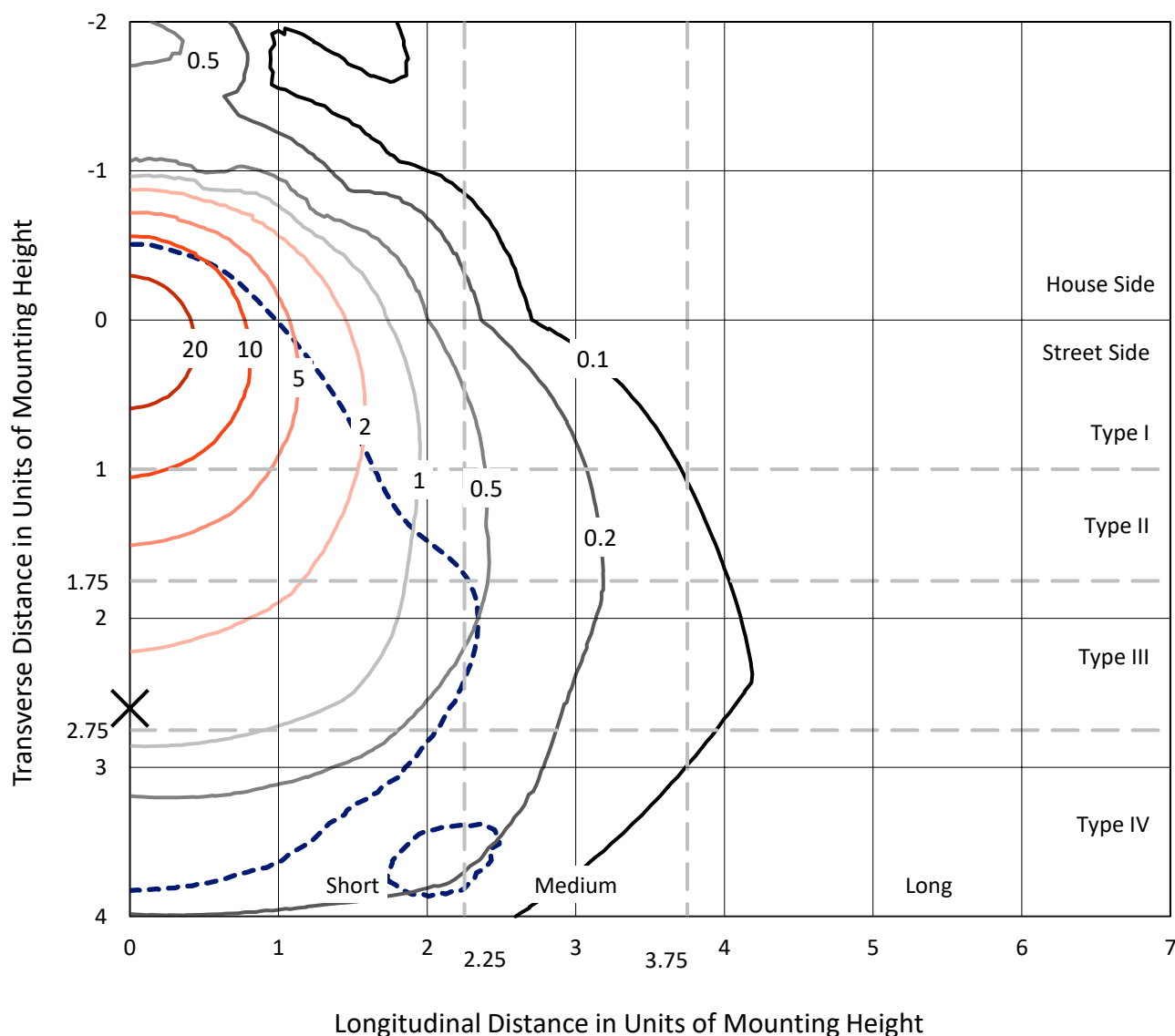
Input Watts (W): 55.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

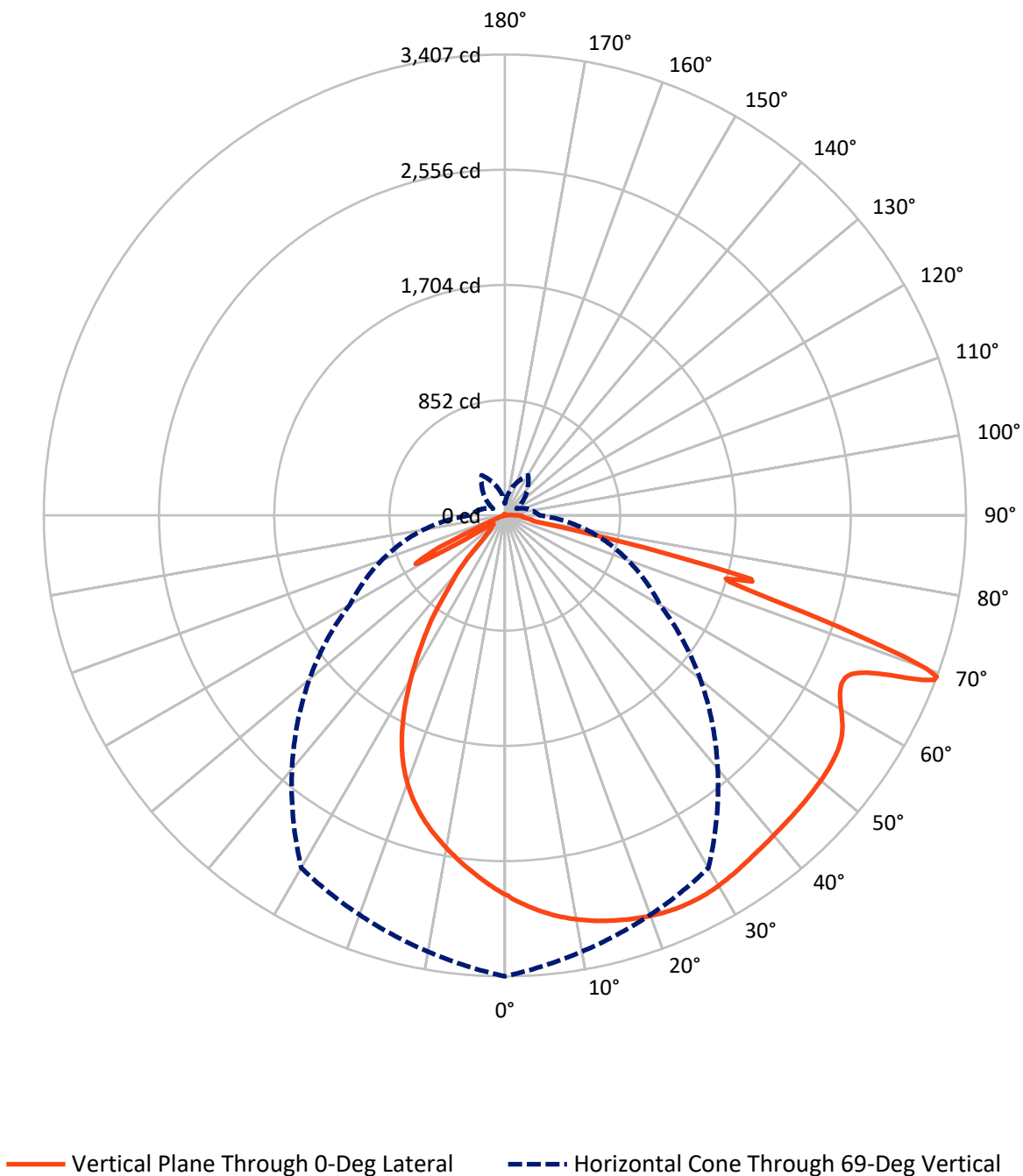


Based on 10 foot mounting height. Maximum calculated value = 29.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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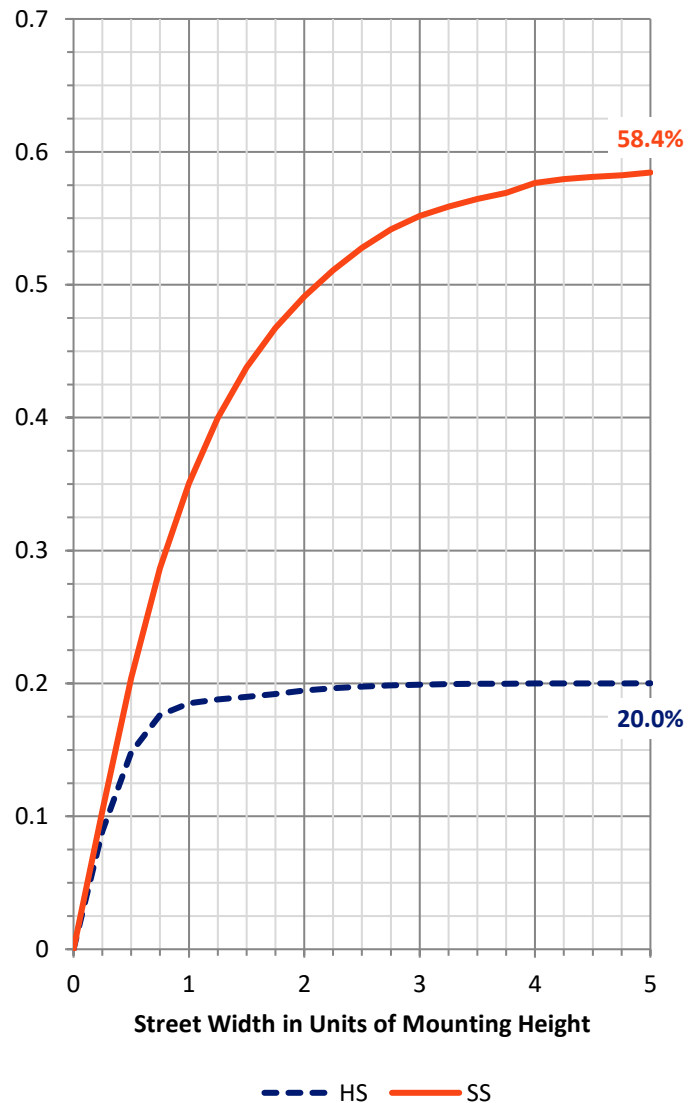
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.4	17.1	2036.5
	% Lamp	20.1	0.2	20.3
Street Side	Lumens	5873.9	22.2	5896.0
	% Lamp	58.6	0.2	58.8
Total	Lumens	7893.2	39.3	7932.5
	% Lamp	78.7	0.4	79.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	265.8	3.4	2.7
10°-20°	761.3	9.6	7.6
20°-30°	1144.5	14.4	11.4
30°-40°	1317.1	16.6	13.1
40°-50°	1271.0	16.0	12.7
50°-60°	1177.0	14.8	11.7
60°-70°	1110.6	14.0	11.1
70°-80°	710.1	9.0	7.1
80°-90°	135.8	1.7	1.4
90°-100°	16.4	0.2	0.2
100°-110°	2.5	0.0	0.0
110°-120°	3.1	0.0	0.0
120°-130°	3.7	0.0	0.0
130°-140°	3.9	0.0	0.0
140°-150°	3.7	0.0	0.0
150°-160°	3.1	0.0	0.0
160°-170°	2.1	0.0	0.0
170°-180°	0.8	0.0	0.0
0°-90°	7893.2	99.5	78.7
0°-180°	7932.5	100.0	79.1

Coefficient of Utilization



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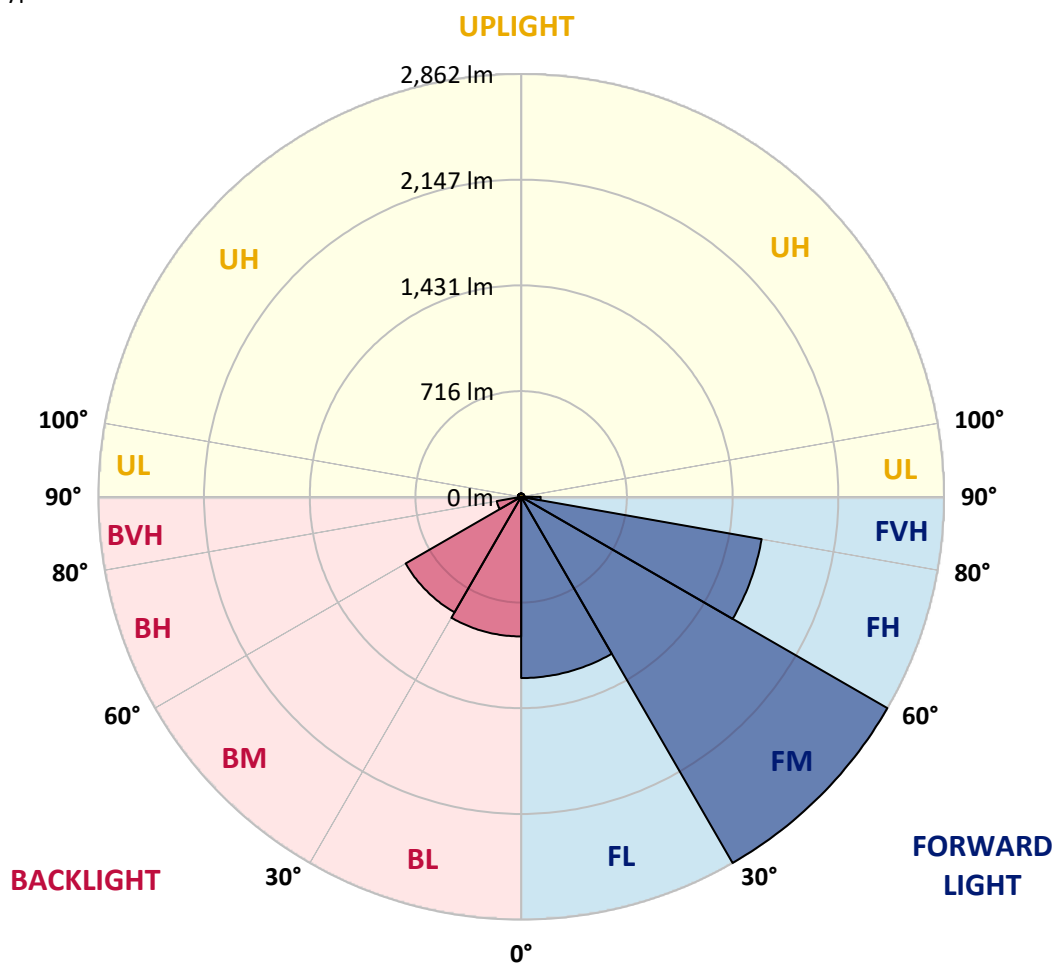
CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1226.5	12.2			
FM	(30°-60°)	2862.1	28.6			
FH	(60°-80°)	1653.1	16.5			G1/1800
FVH	(80°-90°)	132.2	1.3			G2/225
BL	(0°-30°)	945.1	9.4	B2/1000		
BM	(30°-60°)	902.9	9.0	B1/1000		
BH	(60°-80°)	167.7	1.7	B1/500		G1/500
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	16.4	0.2		U2/50	
UH	(100°-180°)	22.9	0.2		U2/50	
Trapped Light		2091.5	20.9			

BUG Rating: B2-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9
0.5°	2830.6	2830.3	2820.2	2808.9	2797.5	2785.1	2802.4
1°	2844.3	2841.9	2826.7	2808.4	2790.0	2772.6	2787.4
1.5°	2857.4	2853.2	2832.7	2807.4	2782.4	2759.6	2773.4
2°	2870.5	2863.9	2838.4	2806.4	2774.3	2747.0	2759.0
2.5°	2883.3	2874.8	2844.3	2805.0	2766.6	2733.8	2744.2
3°	2895.8	2886.0	2849.6	2803.2	2758.3	2720.8	2729.5
3.5°	2909.0	2895.9	2854.5	2801.5	2749.9	2707.6	2714.3
4°	2921.1	2905.8	2859.4	2799.5	2741.2	2693.9	2699.0
4.5°	2933.0	2915.8	2864.0	2797.3	2732.5	2680.2	2683.5
5°	2944.8	2925.6	2869.0	2794.6	2722.6	2666.2	2668.3
5.5°	2956.1	2934.9	2873.2	2791.6	2712.9	2653.0	2652.6
6°	2967.0	2943.8	2876.2	2788.0	2703.2	2639.3	2636.6
6.5°	2977.2	2952.2	2879.8	2784.0	2692.7	2624.2	2621.4
7°	2987.1	2960.3	2883.4	2780.0	2681.4	2610.4	2606.6
7.5°	2996.7	2968.0	2886.3	2775.3	2670.7	2595.7	2590.5
8°	3005.9	2975.4	2888.6	2770.4	2659.2	2581.7	2574.9
8.5°	3014.7	2981.9	2890.7	2765.4	2648.4	2567.1	2558.7
9°	3023.1	2988.9	2892.6	2760.1	2636.6	2552.2	2542.3
9.5°	3031.5	2995.9	2894.6	2754.2	2624.4	2537.2	2526.8
10°	3039.0	3001.8	2896.0	2748.1	2612.3	2522.3	2510.8
10.5°	3047.2	3007.9	2897.7	2741.9	2600.0	2507.3	2494.5
11°	3054.7	3013.2	2898.8	2735.1	2586.7	2491.1	2478.2
11.5°	3062.1	3018.2	2899.6	2729.0	2574.0	2475.3	2461.9
12°	3069.2	3023.3	2900.7	2722.2	2561.5	2460.0	2445.8
12.5°	3076.0	3027.8	2900.6	2715.0	2548.3	2444.5	2429.0
13°	3081.6	3032.2	2900.8	2708.1	2535.1	2427.8	2411.9
13.5°	3088.2	3036.7	2901.0	2700.8	2522.1	2411.2	2394.5
14°	3094.2	3040.6	2900.0	2693.6	2507.8	2394.9	2377.1
14.5°	3099.7	3043.8	2898.7	2685.3	2494.2	2377.9	2358.6
15°	3106.2	3047.6	2897.4	2677.6	2480.2	2360.8	2340.9
15.5°	3111.9	3051.2	2895.7	2669.2	2466.0	2343.7	2321.9
16°	3117.4	3054.4	2894.1	2660.1	2451.0	2325.4	2303.3
16.5°	3122.9	3057.1	2892.9	2651.2	2435.9	2307.1	2284.0
17°	3127.8	3059.8	2890.8	2641.9	2421.6	2289.1	2263.7
17.5°	3132.5	3063.0	2888.3	2632.2	2406.3	2269.8	2243.3
18°	3137.3	3065.4	2886.3	2622.4	2390.3	2251.4	2222.9
18.5°	3141.6	3067.5	2883.4	2612.5	2375.3	2232.2	2200.6
19°	3146.5	3069.6	2879.5	2602.1	2358.9	2212.1	2178.8
19.5°	3150.3	3071.6	2876.4	2591.3	2342.9	2191.4	2155.4
20°	3154.0	3073.2	2873.0	2580.3	2327.7	2170.4	2130.9
20.5°	3157.3	3074.9	2869.0	2568.9	2311.0	2149.7	2106.2
21°	3160.4	3076.1	2865.6	2557.6	2294.2	2127.4	2079.9
21.5°	3163.9	3076.9	2861.7	2545.7	2277.5	2104.5	2053.7
22°	3166.4	3078.1	2856.9	2534.1	2260.3	2080.4	2025.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3168.5	3079.1	2852.2	2522.2	2242.9	2055.9	1997.1
23°	3170.0	3079.9	2847.9	2509.9	2225.1	2030.7	1967.6
23.5°	3171.3	3079.9	2842.9	2497.0	2208.0	2004.1	1935.6
24°	3172.1	3079.7	2837.7	2483.9	2189.4	1977.0	1903.3
24.5°	3172.8	3079.8	2832.6	2470.2	2170.9	1948.8	1869.8
25°	3173.5	3078.5	2827.1	2456.7	2152.7	1920.2	1834.6
25.5°	3174.0	3077.6	2821.0	2443.1	2133.2	1890.5	1799.0
26°	3173.5	3076.0	2814.9	2428.8	2113.6	1858.7	1762.3
26.5°	3172.6	3074.1	2808.4	2414.3	2094.4	1826.2	1722.7
27°	3171.7	3071.8	2801.9	2399.5	2073.8	1793.5	1684.0
27.5°	3170.3	3069.5	2795.0	2384.9	2053.2	1759.5	1643.9
28°	3168.3	3066.1	2787.5	2369.5	2032.7	1724.7	1602.5
28.5°	3166.1	3063.3	2780.4	2353.7	2010.9	1687.5	1560.2
29°	3163.6	3059.5	2772.8	2338.2	1989.1	1649.5	1518.1
29.5°	3160.6	3055.4	2765.3	2321.8	1966.8	1611.6	1473.5
30°	3157.0	3050.9	2757.4	2305.2	1943.8	1573.3	1429.5
30.5°	3154.0	3047.1	2749.0	2289.1	1920.9	1532.4	1384.5
31°	3150.4	3042.5	2740.6	2271.7	1897.5	1492.0	1339.9
31.5°	3146.4	3036.6	2731.8	2253.8	1872.6	1450.8	1293.9
32°	3142.1	3031.4	2722.8	2235.8	1847.6	1407.5	1249.6
32.5°	3138.1	3025.1	2713.0	2217.7	1822.3	1364.0	1205.1
33°	3134.1	3018.9	2702.4	2198.6	1795.5	1321.2	1159.9
33.5°	3129.7	3013.0	2692.3	2180.3	1767.9	1277.7	1116.3
34°	3125.8	3006.0	2682.2	2161.2	1741.2	1234.1	1073.2
34.5°	3121.6	2999.1	2671.0	2141.8	1712.4	1191.2	1030.9
35°	3117.7	2992.5	2659.7	2122.0	1682.7	1147.1	988.0
35.5°	3113.9	2985.0	2648.2	2102.2	1653.2	1103.1	946.4
36°	3110.1	2977.8	2636.5	2081.5	1623.0	1060.5	905.3
36.5°	3106.7	2971.1	2624.1	2061.0	1590.6	1018.4	854.0
37°	3104.0	2963.9	2612.1	2039.8	1558.4	976.0	795.7
37.5°	3100.9	2957.3	2599.9	2018.7	1526.1	936.4	744.0
38°	3098.0	2950.0	2587.2	1997.0	1491.4	896.1	698.9
38.5°	3095.0	2942.7	2573.8	1975.5	1456.9	856.3	658.3
39°	3092.0	2935.5	2560.8	1952.6	1422.0	817.7	623.2
39.5°	3088.9	2928.6	2547.4	1931.0	1385.5	781.7	591.8
40°	3086.6	2922.0	2533.5	1907.7	1347.4	742.0	562.1
40.5°	3084.9	2915.0	2520.0	1884.6	1311.3	695.5	527.2
41°	3081.9	2908.8	2505.8	1861.8	1273.6	645.9	480.8
41.5°	3079.7	2901.8	2491.5	1838.3	1234.2	600.5	422.8
42°	3078.1	2895.7	2477.0	1813.5	1195.3	561.8	355.9
42.5°	3075.9	2889.0	2462.2	1789.5	1156.7	529.3	294.5
43°	3073.9	2882.4	2447.2	1764.6	1118.1	498.9	245.9
43.5°	3072.1	2876.0	2432.0	1740.7	1081.5	465.2	212.3
44°	3069.8	2869.9	2416.4	1715.5	1043.5	425.5	197.9
44.5°	3068.0	2864.0	2400.9	1690.8	1005.7	375.3	184.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3066.6	2858.1	2385.4	1665.7	968.1	318.6	171.1
45.5°	3065.2	2852.1	2369.3	1640.3	931.2	264.8	157.7
46°	3063.2	2846.3	2353.3	1615.0	892.8	219.2	150.5
46.5°	3061.4	2840.7	2337.6	1589.6	856.4	203.8	145.6
47°	3059.2	2834.3	2321.8	1562.1	819.4	188.6	142.3
47.5°	3056.4	2828.2	2305.1	1536.3	777.7	173.4	140.1
48°	3054.1	2822.2	2288.7	1510.1	738.4	158.2	138.5
48.5°	3051.9	2816.5	2271.3	1482.6	700.9	153.1	137.1
49°	3049.7	2810.8	2253.9	1455.3	665.0	149.4	135.6
49.5°	3048.0	2806.1	2236.9	1428.1	632.2	146.5	133.2
50°	3045.4	2800.8	2219.6	1399.5	601.2	144.1	129.2
50.5°	3043.2	2796.4	2202.2	1372.6	570.4	142.0	123.9
51°	3039.7	2791.8	2183.6	1345.5	539.6	140.4	118.4
51.5°	3036.7	2786.8	2165.0	1317.5	510.8	139.3	114.0
52°	3033.1	2781.7	2146.3	1288.3	472.2	138.7	108.4
52.5°	3029.5	2777.3	2127.6	1260.2	433.7	138.3	105.8
53°	3025.0	2772.2	2108.0	1229.9	395.1	137.9	105.5
53.5°	3019.8	2767.6	2088.5	1201.0	356.5	137.3	105.9
54°	3014.5	2763.8	2068.2	1170.6	318.1	136.2	106.9
54.5°	3007.9	2759.8	2047.1	1140.7	284.4	134.6	108.8
55°	3001.3	2755.9	2025.1	1110.7	256.8	133.2	112.8
55.5°	2992.5	2753.1	2002.8	1079.9	235.3	131.8	122.2
56°	2983.1	2748.7	1979.9	1049.7	217.8	128.3	136.8
56.5°	2971.6	2743.9	1958.7	1020.1	201.6	126.5	146.7
57°	2957.5	2739.3	1933.9	989.8	187.2	125.5	151.6
57.5°	2942.0	2734.9	1909.2	959.4	177.0	124.2	158.9
58°	2924.8	2729.0	1884.5	928.4	170.1	122.2	176.6
58.5°	2907.4	2723.4	1859.6	897.2	164.7	118.5	211.0
59°	2889.0	2717.0	1832.0	863.4	160.6	113.0	267.8
59.5°	2869.9	2709.3	1807.2	831.2	157.3	108.3	359.4
60°	2851.7	2701.7	1781.9	799.3	153.9	103.2	452.5
60.5°	2834.0	2693.1	1756.7	765.4	150.2	97.0	545.7
61°	2818.6	2685.0	1732.3	731.8	146.3	91.3	638.8
61.5°	2805.5	2676.2	1706.6	698.4	142.3	86.6	731.9
62°	2794.2	2668.2	1677.8	664.4	138.7	82.7	751.4
62.5°	2786.4	2659.4	1649.4	628.9	135.3	79.1	726.9
63°	2782.5	2651.1	1620.5	595.6	132.1	77.1	683.2
63.5°	2782.6	2642.9	1592.2	561.4	128.9	77.2	640.6
64°	2787.6	2634.4	1565.5	525.3	125.8	79.2	597.4
64.5°	2800.9	2625.7	1539.9	489.4	122.9	84.0	540.0
65°	2823.5	2621.1	1514.6	454.2	120.0	93.7	449.1
65.5°	2861.0	2625.4	1490.0	418.5	117.4	116.3	344.2
66°	2917.2	2641.6	1465.5	386.7	115.2	154.0	257.5
66.5°	2990.6	2667.8	1441.6	359.7	113.0	198.3	192.3
67°	3087.5	2711.3	1418.2	338.3	110.7	243.8	167.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3205.5	2771.6	1395.6	321.5	108.4	289.2	143.7
68°	3318.0	2845.3	1371.8	301.9	106.0	329.5	120.4
68.5°	3396.4	2922.0	1347.6	276.5	103.3	347.6	96.7
69°	3407.4	3008.9	1323.7	255.9	99.8	342.8	87.0
69.5°	3320.8	3085.7	1298.2	240.6	95.4	330.7	79.3
70°	3130.7	3123.9	1273.9	231.3	90.7	314.6	71.9
70.5°	2880.9	3103.1	1250.9	224.2	86.0	298.4	64.9
71°	2613.3	3017.5	1228.1	216.7	81.3	280.1	58.6
71.5°	2335.2	2861.2	1206.2	209.3	76.9	260.5	53.1
72°	2077.1	2643.9	1186.6	201.8	73.1	241.1	48.0
72.5°	1881.6	2398.1	1168.1	194.4	68.9	221.5	43.3
73°	1730.5	2165.3	1150.2	186.4	63.6	202.5	38.9
73.5°	1699.0	1951.5	1134.2	178.4	58.3	183.1	34.6
74°	1777.0	1773.4	1120.1	170.6	54.1	164.2	30.6
74.5°	1892.2	1626.9	1108.7	162.7	50.3	144.0	26.8
75°	1879.0	1571.9	1099.8	154.5	46.3	122.9	23.2
75.5°	1610.5	1618.1	1093.5	145.7	42.9	100.8	19.5
76°	1335.0	1737.6	1094.7	136.1	40.0	79.9	16.2
76.5°	1059.0	1832.7	1106.6	125.2	37.6	62.9	13.1
77°	781.1	1808.7	1129.5	113.4	35.1	50.2	10.9
77.5°	500.2	1612.5	1158.8	101.2	32.1	32.5	9.9
78°	219.7	1270.1	1190.1	89.3	28.3	12.5	8.9
78.5°	208.3	879.0	1218.1	78.7	25.0	4.9	8.0
79°	204.1	548.5	1230.3	68.9	22.3	3.5	7.2
79.5°	204.0	335.4	1230.0	60.8	19.2	3.3	6.4
80°	201.9	222.6	1216.2	54.0	15.9	3.4	5.9
80.5°	199.0	204.2	1185.5	48.6	13.1	3.5	5.5
81°	188.2	189.9	1134.8	43.6	11.0	3.7	5.1
81.5°	173.1	175.4	1068.9	39.3	9.3	3.8	4.7
82°	159.0	160.5	983.0	35.2	7.7	3.9	4.4
82.5°	151.7	156.0	879.8	31.5	6.2	3.9	4.1
83°	145.7	149.6	771.5	28.2	4.8	3.9	3.8
83.5°	137.3	138.7	662.5	25.1	3.6	3.9	3.6
84°	131.5	125.5	585.1	22.2	2.7	3.9	3.5
84.5°	130.4	114.7	507.7	19.6	2.1	3.8	3.4
85°	131.2	105.2	430.3	17.2	2.0	3.8	3.3
85.5°	131.5	96.3	352.9	15.0	1.9	3.8	3.2
86°	131.0	87.6	276.4	12.9	1.9	3.7	3.2
86.5°	130.2	81.2	227.8	11.1	1.8	3.6	3.2
87°	129.2	77.3	188.8	9.4	1.8	3.5	3.2
87.5°	127.6	75.4	160.0	7.9	1.7	3.3	3.1
88°	124.4	75.2	141.4	6.5	1.6	3.2	3.1
88.5°	118.6	76.1	130.5	5.1	1.6	3.0	3.1
89°	108.9	77.5	122.1	4.0	1.6	2.9	3.1
89.5°	96.0	79.1	113.3	3.0	1.5	2.8	3.1

REPORT NUMBER: P1197044

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	82.4	79.8	103.4	2.3	1.5	2.6	3.1
90.5°	69.7	79.4	94.0	2.0	1.5	2.5	3.2
91°	59.3	77.6	82.7	1.9	1.5	2.4	3.3
91.5°	51.5	74.5	71.2	1.8	1.5	2.3	3.4
92°	46.4	70.3	64.2	1.8	1.5	2.3	3.4
92.5°	43.3	65.5	58.0	1.7	1.5	2.3	3.5
93°	40.9	59.9	49.4	1.7	1.5	2.3	3.6
93.5°	39.0	53.0	38.3	1.6	1.5	2.3	3.6
94°	38.0	44.7	28.9	1.6	1.6	2.3	3.7
94.5°	37.0	36.3	19.4	1.5	1.6	2.3	3.8
95°	35.3	28.3	14.8	1.5	1.6	2.3	3.8
95.5°	32.6	21.3	11.4	1.5	1.6	2.3	3.9
96°	29.2	15.0	8.6	1.4	1.7	2.3	3.9
96.5°	25.4	9.6	7.9	1.4	1.7	2.3	4.0
97°	21.7	5.6	7.2	1.4	1.7	2.4	4.1
97.5°	16.7	2.8	6.5	1.4	1.8	2.5	4.2
98°	11.2	1.8	5.9	1.4	1.8	2.5	4.3
98.5°	5.6	1.4	5.3	1.4	1.9	2.6	4.4
99°	2.0	1.1	4.7	1.4	2.0	2.7	4.5
99.5°	1.5	1.0	4.1	1.4	2.0	2.8	4.6
100°	1.2	0.9	3.6	1.4	2.1	2.8	4.7
100.5°	1.1	0.9	3.2	1.5	2.2	2.9	4.8
101°	1.1	0.8	2.9	1.5	2.2	3.0	4.9
101.5°	1.1	0.8	2.6	1.5	2.3	3.1	4.9
102°	1.0	0.8	2.3	1.6	2.4	3.2	5.0
102.5°	1.0	0.8	2.1	1.6	2.4	3.3	5.1
103°	0.9	0.7	1.9	1.7	2.5	3.4	5.2
103.5°	0.9	0.7	1.7	1.7	2.6	3.4	5.4
104°	0.8	0.7	1.6	1.8	2.7	3.5	5.5
104.5°	0.7	0.7	1.4	1.8	2.8	3.6	5.6
105°	0.7	0.7	1.3	1.9	2.9	3.7	5.7
105.5°	0.7	0.7	1.2	1.9	3.0	3.8	5.7
106°	0.6	0.7	1.2	2.0	3.0	3.9	5.8
106.5°	0.6	0.7	1.1	2.0	3.1	4.0	5.9
107°	0.6	0.7	1.0	2.1	3.2	4.1	6.0
107.5°	0.5	0.7	0.9	2.1	3.3	4.2	6.1
108°	0.5	0.6	0.9	2.2	3.4	4.3	6.2
108.5°	0.5	0.6	0.9	2.2	3.5	4.4	6.3
109°	0.5	0.6	0.9	2.3	3.6	4.5	6.4
109.5°	0.5	0.5	0.9	2.3	3.6	4.6	6.4
110°	0.5	0.5	0.9	2.4	3.7	4.7	6.5
110.5°	0.5	0.5	0.9	2.4	3.8	4.8	6.6
111°	0.5	0.5	0.9	2.5	3.9	4.8	6.7
111.5°	0.5	0.5	0.9	2.5	4.0	4.9	6.7
112°	0.5	0.5	1.0	2.6	4.1	5.0	6.8

REPORT NUMBER: P1197044

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.5	0.5	1.0	2.7	4.2	5.1	6.9
113°	0.5	0.5	1.0	2.7	4.3	5.2	7.0
113.5°	0.5	0.5	1.0	2.8	4.3	5.3	7.0
114°	0.5	0.5	1.1	2.8	4.4	5.4	7.1
114.5°	0.5	0.5	1.1	2.9	4.5	5.5	7.2
115°	0.5	0.5	1.2	2.9	4.6	5.6	7.2
115.5°	0.5	0.5	1.2	3.0	4.7	5.7	7.3
116°	0.5	0.5	1.3	3.0	4.8	5.8	7.4
116.5°	0.5	0.5	1.3	3.1	4.9	5.8	7.4
117°	0.5	0.6	1.4	3.1	5.0	5.9	7.5
117.5°	0.6	0.6	1.4	3.2	5.1	6.0	7.6
118°	0.6	0.6	1.4	3.2	5.1	6.1	7.6
118.5°	0.6	0.7	1.5	3.3	5.2	6.2	7.6
119°	0.6	0.7	1.6	3.3	5.3	6.3	7.7
119.5°	0.6	0.7	1.6	3.4	5.4	6.3	7.7
120°	0.7	0.8	1.6	3.4	5.4	6.4	7.8
120.5°	0.7	0.8	1.7	3.5	5.5	6.5	7.8
121°	0.7	0.8	1.8	3.5	5.6	6.5	7.9
121.5°	0.7	0.9	1.8	3.6	5.6	6.6	7.9
122°	0.7	0.9	1.9	3.6	5.7	6.7	8.0
122.5°	0.8	0.9	1.9	3.6	5.8	6.7	8.0
123°	0.8	1.0	2.0	3.7	5.8	6.8	8.1
123.5°	0.8	1.0	2.0	3.8	5.9	6.8	8.1
124°	0.8	1.1	2.1	3.8	6.0	6.9	8.1
124.5°	0.9	1.1	2.1	3.9	6.0	6.9	8.1
125°	0.9	1.1	2.2	3.9	6.1	7.0	8.1
125.5°	0.9	1.2	2.2	4.0	6.2	7.0	8.1
126°	1.0	1.2	2.3	4.0	6.2	7.1	8.1
126.5°	1.0	1.3	2.3	4.1	6.3	7.1	8.1
127°	1.0	1.3	2.4	4.1	6.3	7.2	8.2
127.5°	1.1	1.4	2.4	4.2	6.4	7.2	8.2
128°	1.1	1.4	2.5	4.2	6.4	7.3	8.2
128.5°	1.1	1.5	2.6	4.3	6.5	7.3	8.2
129°	1.2	1.5	2.6	4.3	6.5	7.4	8.2
129.5°	1.2	1.6	2.7	4.4	6.6	7.4	8.2
130°	1.3	1.6	2.7	4.5	6.6	7.5	8.2
130.5°	1.3	1.7	2.8	4.5	6.7	7.5	8.3
131°	1.3	1.7	2.8	4.6	6.7	7.6	8.2
131.5°	1.4	1.8	2.9	4.6	6.7	7.6	8.3
132°	1.4	1.8	3.0	4.7	6.8	7.6	8.3
132.5°	1.4	1.9	3.0	4.7	6.8	7.7	8.3
133°	1.5	1.9	3.1	4.8	6.8	7.7	8.4
133.5°	1.5	2.0	3.1	4.8	6.9	7.8	8.4
134°	1.6	2.0	3.2	4.9	6.9	7.8	8.4
134.5°	1.6	2.1	3.3	5.0	7.0	7.9	8.5

REPORT NUMBER: P1197044

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	1.7	2.1	3.3	5.0	7.0	7.9	8.5
135.5°	1.7	2.2	3.4	5.1	7.0	8.0	8.5
136°	1.8	2.2	3.4	5.1	7.1	8.0	8.6
136.5°	1.8	2.3	3.5	5.2	7.1	8.1	8.6
137°	1.9	2.3	3.6	5.2	7.1	8.1	8.7
137.5°	1.9	2.4	3.6	5.3	7.2	8.1	8.7
138°	2.0	2.5	3.7	5.3	7.2	8.2	8.8
138.5°	2.0	2.5	3.7	5.4	7.2	8.2	8.8
139°	2.1	2.6	3.8	5.4	7.3	8.2	8.8
139.5°	2.1	2.7	3.9	5.5	7.3	8.3	8.8
140°	2.2	2.7	3.9	5.5	7.3	8.3	8.8
140.5°	2.2	2.8	4.0	5.6	7.3	8.3	8.8
141°	2.3	2.9	4.1	5.6	7.4	8.3	8.8
141.5°	2.3	2.9	4.1	5.7	7.4	8.3	8.8
142°	2.4	3.0	4.2	5.7	7.4	8.3	8.8
142.5°	2.5	3.1	4.2	5.8	7.4	8.4	8.8
143°	2.5	3.1	4.3	5.8	7.5	8.4	8.8
143.5°	2.6	3.2	4.4	5.9	7.5	8.4	8.8
144°	2.7	3.3	4.4	5.9	7.5	8.4	8.8
144.5°	2.7	3.3	4.5	6.0	7.5	8.4	8.8
145°	2.8	3.4	4.5	6.0	7.6	8.4	8.8
145.5°	2.8	3.5	4.6	6.0	7.6	8.4	8.8
146°	2.9	3.5	4.7	6.1	7.6	8.4	8.8
146.5°	2.9	3.6	4.7	6.1	7.6	8.4	8.8
147°	3.0	3.6	4.8	6.2	7.7	8.4	8.8
147.5°	3.1	3.7	4.8	6.3	7.7	8.4	8.8
148°	3.1	3.8	4.9	6.3	7.7	8.4	8.8
148.5°	3.2	3.8	5.0	6.3	7.7	8.4	8.8
149°	3.2	3.9	5.0	6.4	7.8	8.4	8.8
149.5°	3.3	3.9	5.1	6.4	7.8	8.4	8.8
150°	3.4	4.0	5.1	6.5	7.8	8.4	8.8
150.5°	3.4	4.0	5.2	6.5	7.9	8.4	8.8
151°	3.5	4.1	5.3	6.6	7.9	8.5	8.8
151.5°	3.5	4.2	5.3	6.6	7.9	8.5	8.8
152°	3.6	4.2	5.4	6.7	7.9	8.5	8.8
152.5°	3.7	4.3	5.4	6.7	8.0	8.5	8.8
153°	3.7	4.4	5.5	6.8	8.0	8.5	8.8
153.5°	3.8	4.4	5.6	6.8	8.1	8.6	8.8
154°	3.9	4.5	5.6	6.9	8.1	8.6	8.8
154.5°	3.9	4.6	5.7	6.9	8.1	8.6	8.8
155°	4.0	4.6	5.8	7.0	8.1	8.6	8.8
155.5°	4.0	4.7	5.8	7.0	8.2	8.6	8.8
156°	4.1	4.7	5.9	7.1	8.2	8.6	8.7
156.5°	4.2	4.8	5.9	7.1	8.2	8.6	8.7
157°	4.2	4.9	6.0	7.2	8.2	8.6	8.7

REPORT NUMBER: P1197044

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	4.3	4.9	6.0	7.2	8.3	8.6	8.7
158°	4.4	5.0	6.1	7.3	8.3	8.6	8.7
158.5°	4.5	5.1	6.2	7.3	8.3	8.6	8.7
159°	4.5	5.1	6.2	7.3	8.3	8.6	8.7
159.5°	4.6	5.2	6.3	7.4	8.3	8.6	8.7
160°	4.7	5.3	6.3	7.4	8.3	8.6	8.7
160.5°	4.7	5.3	6.4	7.5	8.4	8.6	8.7
161°	4.8	5.4	6.5	7.5	8.4	8.6	8.7
161.5°	4.9	5.5	6.5	7.5	8.4	8.6	8.7
162°	4.9	5.5	6.6	7.6	8.4	8.6	8.7
162.5°	5.0	5.6	6.6	7.6	8.4	8.6	8.7
163°	5.1	5.7	6.7	7.6	8.4	8.7	8.6
163.5°	5.2	5.7	6.7	7.6	8.4	8.7	8.6
164°	5.2	5.8	6.8	7.7	8.5	8.7	8.6
164.5°	5.3	5.9	6.9	7.7	8.5	8.7	8.5
165°	5.4	5.9	6.9	7.8	8.5	8.7	8.5
165.5°	5.5	6.0	7.0	7.8	8.5	8.7	8.5
166°	5.6	6.1	7.0	7.8	8.5	8.7	8.5
166.5°	5.7	6.2	7.1	7.9	8.6	8.7	8.5
167°	5.7	6.2	7.2	7.9	8.6	8.7	8.5
167.5°	5.8	6.3	7.2	7.9	8.6	8.7	8.5
168°	5.9	6.4	7.3	8.0	8.6	8.7	8.5
168.5°	6.0	6.5	7.3	8.0	8.6	8.7	8.5
169°	6.1	6.6	7.4	8.0	8.6	8.7	8.4
169.5°	6.2	6.6	7.5	8.1	8.6	8.7	8.4
170°	6.3	6.7	7.5	8.1	8.6	8.7	8.4
170.5°	6.3	6.8	7.6	8.1	8.6	8.7	8.4
171°	6.4	6.8	7.6	8.1	8.6	8.7	8.3
171.5°	6.5	6.9	7.6	8.2	8.6	8.7	8.3
172°	6.6	7.0	7.7	8.2	8.6	8.7	8.3
172.5°	6.6	7.0	7.7	8.2	8.6	8.7	8.2
173°	6.7	7.1	7.8	8.2	8.6	8.7	8.2
173.5°	6.8	7.1	7.8	8.2	8.6	8.7	8.2
174°	6.8	7.2	7.8	8.3	8.5	8.6	8.1
174.5°	6.9	7.3	7.9	8.3	8.5	8.6	8.1
175°	7.0	7.4	7.9	8.3	8.5	8.6	8.0
175.5°	7.0	7.4	8.0	8.3	8.5	8.6	8.0
176°	7.1	7.5	8.0	8.3	8.5	8.6	8.0
176.5°	7.1	7.5	8.0	8.3	8.5	8.6	7.9
177°	7.2	7.6	8.1	8.3	8.5	8.5	7.9
177.5°	7.3	7.6	8.1	8.4	8.5	8.5	7.8
178°	7.3	7.7	8.2	8.4	8.5	8.5	7.8
178.5°	7.4	7.7	8.2	8.4	8.5	8.4	7.7
179°	7.4	7.8	8.2	8.4	8.5	8.4	7.7
179.5°	7.5	7.8	8.3	8.4	8.5	8.4	7.6



REPORT NUMBER: P1197044
CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	7.6	7.6	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)