

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: P1197047

Luminaire Tested: AWP75S-BZ-LOW-4000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197047
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-4000K-POSITION 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 10024 (1 lamp)
Luminaire Lumens: 8402.2 lumens
Efficiency: 83.8%
Efficacy: 154.7 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: B3 - U2 - G2

Input Watts (W): 54.3
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

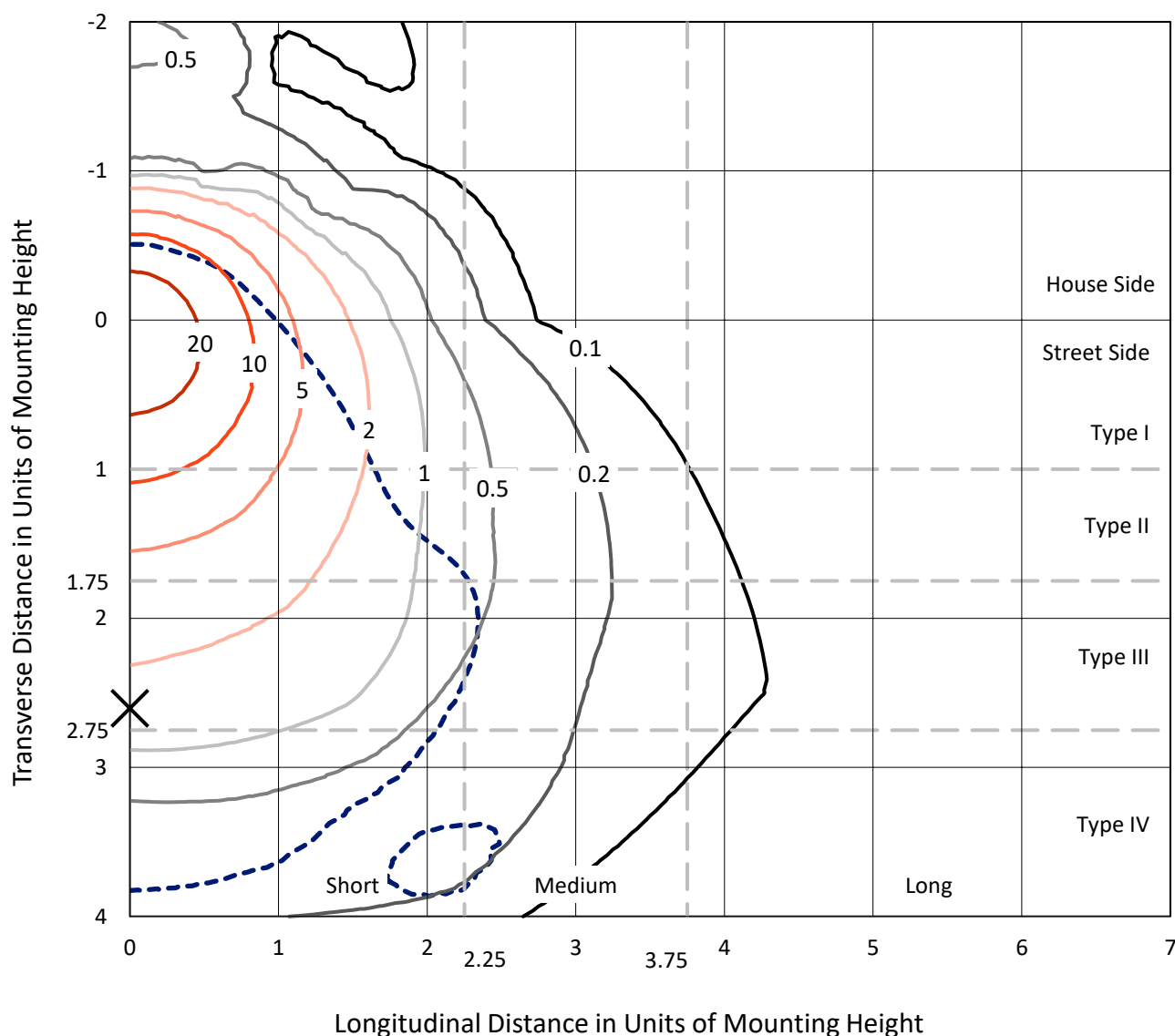
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

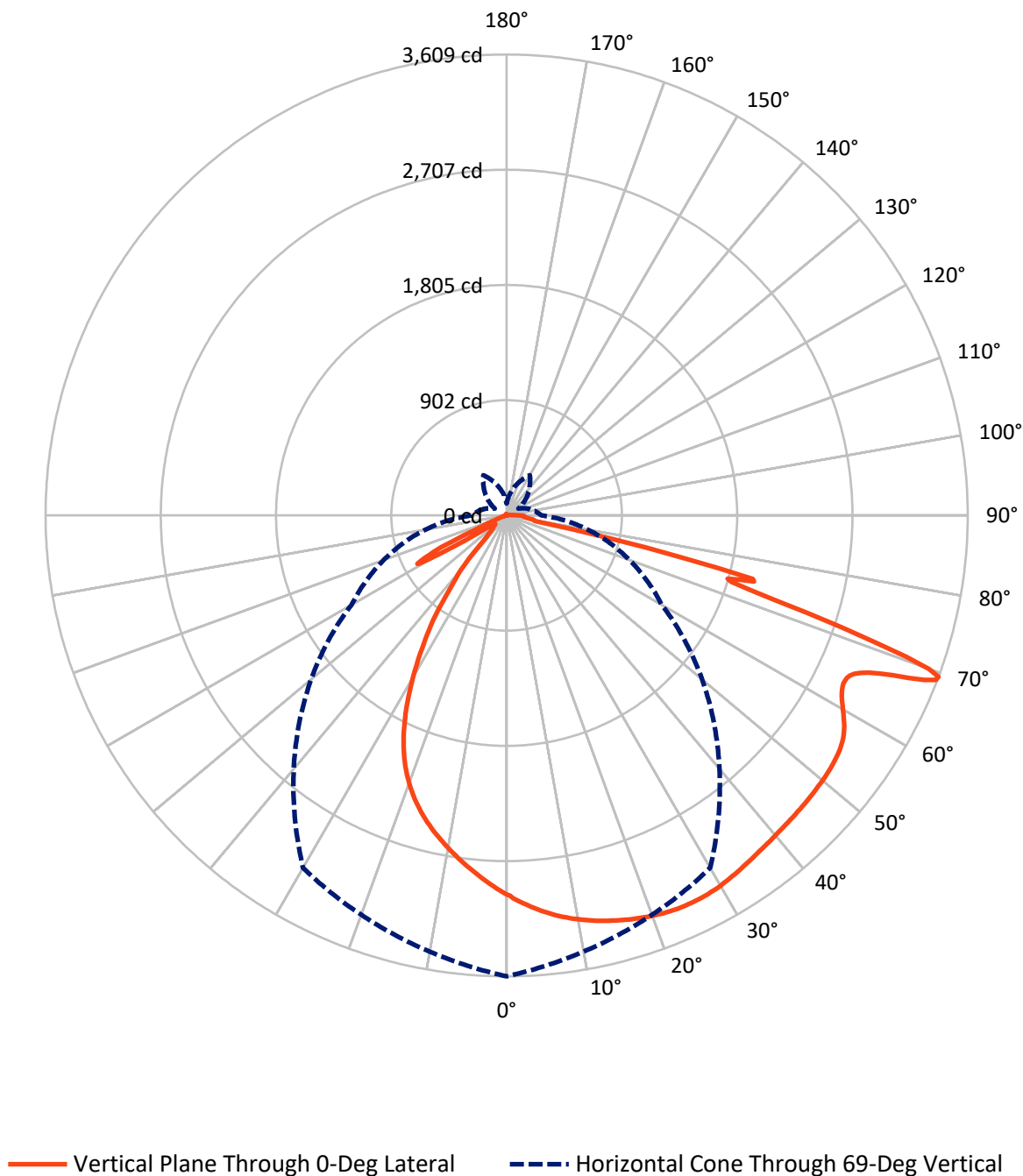


Based on 10 foot mounting height. Maximum calculated value = 30.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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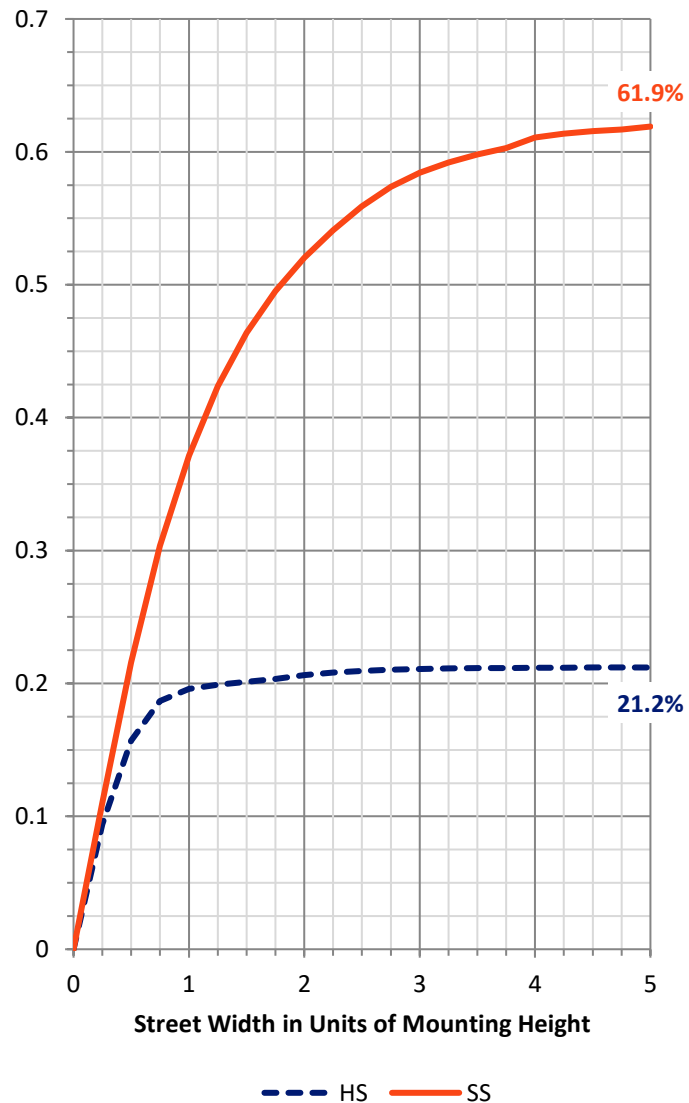
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2138.9	18.2	2157.1
	% Lamp	21.3	0.2	21.5
Street Side	Lumens	6221.6	23.5	6245.1
	% Lamp	62.1	0.2	62.3
Total	Lumens	8360.5	41.6	8402.2
	% Lamp	83.4	0.4	83.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	281.5	3.4	2.8
10°-20°	806.4	9.6	8.0
20°-30°	1212.3	14.4	12.1
30°-40°	1395.1	16.6	13.9
40°-50°	1346.2	16.0	13.4
50°-60°	1246.6	14.8	12.4
60°-70°	1176.3	14.0	11.7
70°-80°	752.2	9.0	7.5
80°-90°	143.9	1.7	1.4
90°-100°	17.4	0.2	0.2
100°-110°	2.6	0.0	0.0
110°-120°	3.3	0.0	0.0
120°-130°	3.9	0.0	0.0
130°-140°	4.2	0.0	0.0
140°-150°	3.9	0.0	0.0
150°-160°	3.3	0.0	0.0
160°-170°	2.2	0.0	0.0
170°-180°	0.8	0.0	0.0
0°-90°	8360.5	99.5	83.4
0°-180°	8402.2	100.0	83.8

Coefficient of Utilization



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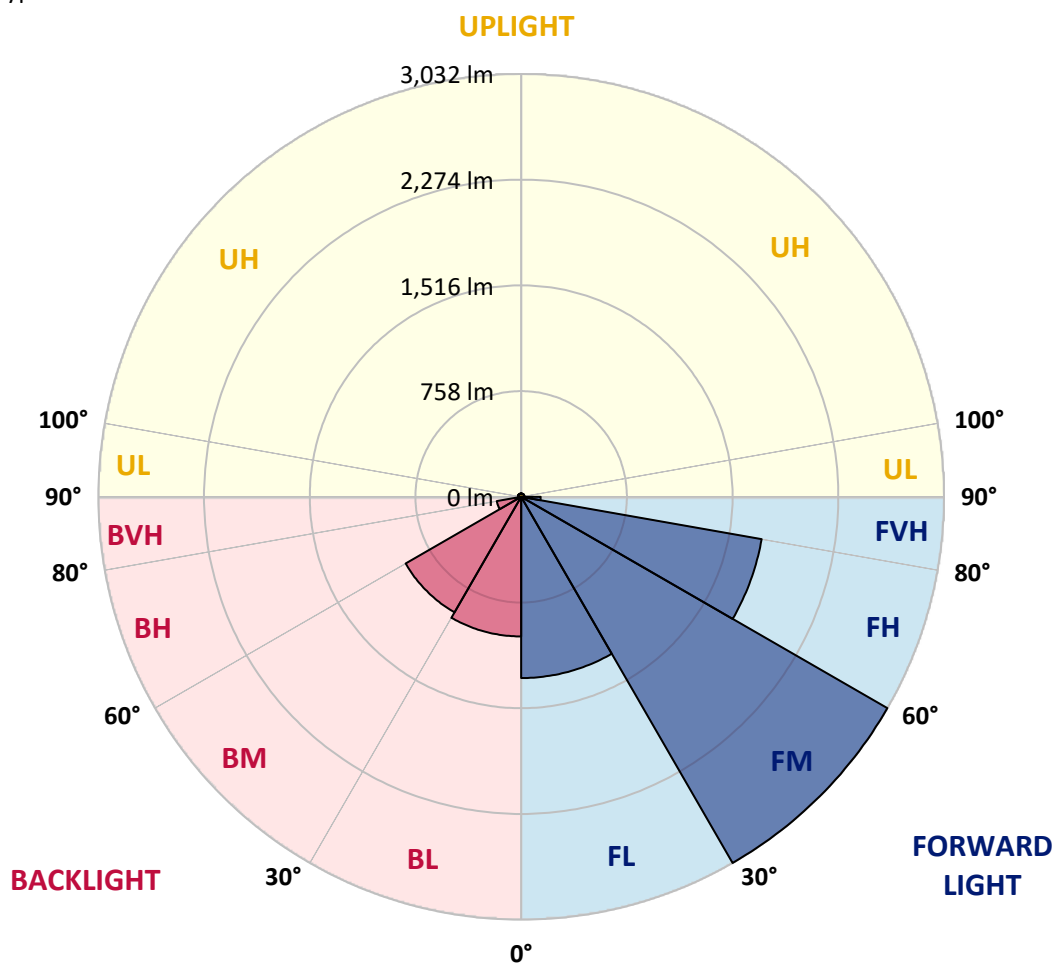
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1299.1	13.0			
FM	(30°-60°)	3031.6	30.2			
FH	(60°-80°)	1750.9	17.5			G1/1800
FVH	(80°-90°)	140.0	1.4			G2/225
BL	(0°-30°)	1001.1	10.0	B3/2500		
BM	(30°-60°)	956.4	9.5	B1/1000		
BH	(60°-80°)	177.6	1.8	B1/500		G1/500
BVH	(80°-90°)	3.9	0.0			G0/10
UL	(90°-100°)	17.4	0.2		U2/50	
UH	(100°-180°)	24.2	0.2		U2/50	
Trapped Light		1621.8	16.2			

BUG Rating: B3-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	2976.3	2976.3	2976.3	2976.3	2976.3	2976.3	2976.3
0.5°	2998.2	2997.8	2987.2	2975.2	2963.1	2950.0	2968.3
1°	3012.7	3010.1	2994.1	2974.7	2955.2	2936.8	2952.4
1.5°	3026.5	3022.1	3000.4	2973.6	2947.1	2922.9	2937.6
2°	3040.5	3033.5	3006.4	2972.5	2938.6	2909.6	2922.4
2.5°	3054.0	3045.0	3012.7	2971.0	2930.4	2895.6	2906.7
3°	3067.3	3056.8	3018.3	2969.2	2921.6	2881.9	2891.1
3.5°	3081.2	3067.4	3023.5	2967.4	2912.7	2867.9	2875.0
4°	3094.0	3077.9	3028.7	2965.2	2903.4	2853.4	2858.8
4.5°	3106.7	3088.4	3033.6	2962.9	2894.3	2838.9	2842.4
5°	3119.1	3098.8	3038.9	2960.0	2883.8	2824.0	2826.3
5.5°	3131.1	3108.6	3043.3	2956.8	2873.6	2810.1	2809.7
6°	3142.7	3118.1	3046.5	2953.1	2863.2	2795.6	2792.7
6.5°	3153.4	3126.9	3050.3	2948.8	2852.1	2779.6	2776.6
7°	3163.9	3135.5	3054.1	2944.6	2840.2	2764.9	2760.9
7.5°	3174.1	3143.7	3057.2	2939.6	2828.8	2749.4	2743.8
8°	3183.9	3151.6	3059.6	2934.4	2816.6	2734.6	2727.3
8.5°	3193.1	3158.4	3061.9	2929.1	2805.2	2719.0	2710.1
9°	3202.0	3165.8	3063.9	2923.5	2792.7	2703.3	2692.8
9.5°	3211.0	3173.3	3065.9	2917.3	2779.8	2687.4	2676.4
10°	3219.0	3179.5	3067.5	2910.8	2766.9	2671.6	2659.5
10.5°	3227.6	3186.0	3069.3	2904.3	2753.9	2655.8	2642.2
11°	3235.5	3191.6	3070.4	2897.1	2739.8	2638.6	2625.0
11.5°	3243.4	3196.9	3071.3	2890.5	2726.4	2621.9	2607.7
12°	3250.9	3202.3	3072.4	2883.4	2713.1	2605.6	2590.6
12.5°	3258.1	3207.1	3072.3	2875.7	2699.2	2589.3	2572.8
13°	3264.0	3211.7	3072.6	2868.4	2685.2	2571.5	2554.7
13.5°	3271.0	3216.5	3072.7	2860.7	2671.4	2554.0	2536.2
14°	3277.3	3220.6	3071.7	2853.1	2656.3	2536.7	2517.8
14.5°	3283.2	3224.0	3070.3	2844.3	2641.9	2518.7	2498.3
15°	3290.1	3228.0	3068.9	2836.2	2627.0	2500.5	2479.5
15.5°	3296.1	3231.8	3067.1	2827.2	2612.0	2482.4	2459.3
16°	3301.9	3235.3	3065.5	2817.6	2596.1	2463.0	2439.6
16.5°	3307.7	3238.1	3064.1	2808.2	2580.1	2443.7	2419.2
17°	3313.0	3241.0	3061.9	2798.3	2564.9	2424.6	2397.8
17.5°	3318.0	3244.3	3059.3	2788.0	2548.8	2404.2	2376.1
18°	3323.0	3246.8	3057.2	2777.6	2531.9	2384.7	2354.5
18.5°	3327.6	3249.2	3054.1	2767.1	2516.0	2364.3	2330.9
19°	3332.8	3251.4	3050.0	2756.1	2498.6	2343.1	2307.8
19.5°	3336.8	3253.5	3046.7	2744.8	2481.6	2321.2	2283.0
20°	3340.7	3255.1	3043.1	2733.0	2465.5	2298.9	2257.0
20.5°	3344.2	3256.9	3038.9	2721.0	2447.8	2277.0	2230.9
21°	3347.5	3258.3	3035.2	2709.0	2430.0	2253.4	2203.0
21.5°	3351.3	3259.1	3031.2	2696.4	2412.3	2229.1	2175.3
22°	3353.9	3260.3	3026.0	2684.1	2394.1	2203.6	2145.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3356.0	3261.4	3021.0	2671.6	2375.6	2177.6	2115.4
23°	3357.6	3262.2	3016.5	2658.4	2356.9	2150.9	2084.1
23.5°	3359.1	3262.2	3011.2	2644.8	2338.7	2122.8	2050.2
24°	3359.9	3262.0	3005.7	2631.0	2319.0	2094.0	2016.0
24.5°	3360.7	3262.1	3000.3	2616.5	2299.5	2064.2	1980.5
25°	3361.3	3260.8	2994.4	2602.2	2280.2	2033.9	1943.2
25.5°	3362.0	3259.8	2988.0	2587.8	2259.5	2002.5	1905.5
26°	3361.4	3258.1	2981.6	2572.6	2238.7	1968.8	1866.6
26.5°	3360.5	3256.1	2974.6	2557.2	2218.4	1934.3	1824.7
27°	3359.5	3253.7	2967.8	2541.6	2196.6	1899.7	1783.7
27.5°	3357.9	3251.2	2960.4	2526.1	2174.8	1863.6	1741.3
28°	3355.9	3247.7	2952.5	2509.8	2153.0	1826.8	1697.3
28.5°	3353.6	3244.6	2945.0	2493.0	2129.9	1787.4	1652.6
29°	3350.9	3240.6	2936.9	2476.7	2106.8	1747.1	1608.0
29.5°	3347.7	3236.3	2929.0	2459.3	2083.2	1707.0	1560.7
30°	3344.0	3231.5	2920.6	2441.6	2058.9	1666.4	1514.1
30.5°	3340.7	3227.5	2911.7	2424.7	2034.6	1623.1	1466.5
31°	3336.9	3222.7	2902.8	2406.2	2009.8	1580.4	1419.3
31.5°	3332.6	3216.4	2893.5	2387.2	1983.5	1536.7	1370.5
32°	3328.1	3210.9	2884.0	2368.1	1957.0	1490.8	1323.6
32.5°	3323.9	3204.2	2873.6	2349.0	1930.2	1444.7	1276.4
33°	3319.7	3197.6	2862.4	2328.8	1901.8	1399.4	1228.6
33.5°	3315.0	3191.4	2851.7	2309.4	1872.6	1353.4	1182.4
34°	3310.8	3184.0	2841.0	2289.1	1844.3	1307.2	1136.8
34.5°	3306.4	3176.6	2829.1	2268.6	1813.8	1261.7	1091.9
35°	3302.2	3169.7	2817.2	2247.7	1782.3	1215.0	1046.5
35.5°	3298.3	3161.7	2805.0	2226.7	1751.0	1168.5	1002.5
36°	3294.2	3154.1	2792.6	2204.7	1719.1	1123.3	958.9
36.5°	3290.6	3147.0	2779.5	2183.0	1684.7	1078.7	904.5
37°	3287.7	3139.4	2766.7	2160.5	1650.7	1033.8	842.8
37.5°	3284.5	3132.3	2753.8	2138.2	1616.4	991.8	788.0
38°	3281.4	3124.7	2740.3	2115.2	1579.7	949.1	740.3
38.5°	3278.2	3116.9	2726.2	2092.4	1543.2	907.0	697.3
39°	3275.1	3109.3	2712.4	2068.2	1506.2	866.1	660.1
39.5°	3271.8	3102.0	2698.2	2045.3	1467.5	828.0	626.8
40°	3269.4	3095.0	2683.5	2020.6	1427.2	785.9	595.4
40.5°	3267.5	3087.6	2669.2	1996.2	1388.9	736.7	558.5
41°	3264.3	3081.0	2654.2	1972.0	1349.0	684.1	509.2
41.5°	3262.0	3073.6	2639.0	1947.1	1307.2	636.1	447.9
42°	3260.3	3067.1	2623.6	1920.9	1266.0	595.1	377.0
42.5°	3258.0	3060.1	2608.0	1895.5	1225.2	560.7	311.9
43°	3255.9	3053.0	2592.1	1869.1	1184.2	528.5	260.5
43.5°	3254.0	3046.3	2576.0	1843.8	1145.6	492.8	224.8
44°	3251.5	3039.8	2559.5	1817.0	1105.3	450.7	209.6
44.5°	3249.7	3033.5	2543.0	1790.9	1065.2	397.5	195.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3248.1	3027.3	2526.6	1764.3	1025.4	337.5	181.2
45.5°	3246.7	3021.0	2509.6	1737.4	986.3	280.4	167.1
46°	3244.5	3014.8	2492.6	1710.6	945.6	232.1	159.4
46.5°	3242.6	3008.9	2476.0	1683.7	907.1	215.8	154.2
47°	3240.3	3002.1	2459.3	1654.6	867.9	199.7	150.8
47.5°	3237.3	2995.6	2441.5	1627.3	823.7	183.7	148.4
48°	3234.9	2989.3	2424.2	1599.5	782.1	167.6	146.7
48.5°	3232.6	2983.2	2405.7	1570.4	742.4	162.1	145.2
49°	3230.3	2977.2	2387.4	1541.5	704.3	158.3	143.6
49.5°	3228.4	2972.3	2369.3	1512.7	669.6	155.2	141.0
50°	3225.7	2966.6	2351.0	1482.4	636.8	152.6	136.9
50.5°	3223.4	2961.9	2332.6	1453.9	604.1	150.5	131.2
51°	3219.7	2957.0	2312.9	1425.2	571.5	148.7	125.4
51.5°	3216.5	2951.8	2293.1	1395.5	541.1	147.6	120.7
52°	3212.7	2946.3	2273.3	1364.6	500.2	146.9	114.8
52.5°	3208.8	2941.7	2253.6	1334.8	459.3	146.4	112.1
53°	3204.1	2936.4	2232.8	1302.7	418.5	146.0	111.8
53.5°	3198.5	2931.4	2212.1	1272.1	377.6	145.4	112.2
54°	3193.0	2927.4	2190.7	1239.9	336.9	144.3	113.2
54.5°	3186.0	2923.2	2168.3	1208.2	301.3	142.6	115.2
55°	3179.0	2919.0	2145.0	1176.5	272.0	141.1	119.5
55.5°	3169.7	2916.1	2121.3	1143.8	249.2	139.6	129.5
56°	3159.7	2911.4	2097.2	1111.8	230.6	135.9	144.8
56.5°	3147.5	2906.4	2074.7	1080.5	213.6	134.0	155.4
57°	3132.6	2901.5	2048.4	1048.4	198.3	132.9	160.6
57.5°	3116.1	2896.8	2022.3	1016.2	187.5	131.6	168.3
58°	3097.9	2890.5	1996.0	983.3	180.2	129.4	187.0
58.5°	3079.5	2884.7	1969.6	950.4	174.5	125.6	223.5
59°	3060.0	2877.8	1940.5	914.5	170.1	119.7	283.7
59.5°	3039.8	2869.7	1914.2	880.4	166.6	114.7	380.7
60°	3020.6	2861.6	1887.4	846.6	163.0	109.3	479.3
60.5°	3001.8	2852.6	1860.7	810.7	159.1	102.8	578.0
61°	2985.4	2843.9	1834.9	775.1	154.9	96.7	676.6
61.5°	2971.6	2834.6	1807.6	739.8	150.7	91.8	775.3
62°	2959.6	2826.2	1777.1	703.7	146.9	87.6	795.9
62.5°	2951.3	2816.9	1747.1	666.1	143.3	83.7	769.9
63°	2947.2	2808.1	1716.5	630.8	139.9	81.7	723.6
63.5°	2947.3	2799.4	1686.5	594.6	136.5	81.7	678.5
64°	2952.7	2790.3	1658.2	556.4	133.3	83.9	632.8
64.5°	2966.7	2781.2	1631.0	518.4	130.2	89.0	571.9
65°	2990.7	2776.2	1604.2	481.1	127.2	99.2	475.7
65.5°	3030.4	2780.8	1578.2	443.3	124.3	123.2	364.5
66°	3089.9	2798.0	1552.3	409.6	122.0	163.1	272.7
66.5°	3167.7	2825.8	1527.0	381.0	119.6	210.0	203.7
67°	3270.3	2871.8	1502.1	358.3	117.3	258.3	176.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3395.3	2935.7	1478.2	340.5	114.8	306.3	152.2
68°	3514.4	3013.7	1453.0	319.7	112.3	349.0	127.5
68.5°	3597.5	3095.0	1427.3	292.9	109.4	368.2	102.4
69°	3609.1	3187.0	1402.1	271.1	105.7	363.1	92.1
69.5°	3517.4	3268.4	1375.1	254.9	101.1	350.3	84.0
70°	3316.1	3308.9	1349.3	245.0	96.1	333.2	76.1
70.5°	3051.4	3286.8	1324.9	237.4	91.1	316.0	68.7
71°	2768.0	3196.1	1300.8	229.6	86.2	296.7	62.1
71.5°	2473.5	3030.6	1277.6	221.7	81.5	275.9	56.2
72°	2200.1	2800.5	1256.8	213.8	77.4	255.3	50.8
72.5°	1993.0	2540.1	1237.2	205.9	73.0	234.6	45.9
73°	1832.9	2293.5	1218.3	197.5	67.4	214.5	41.2
73.5°	1799.6	2067.0	1201.3	188.9	61.7	194.0	36.6
74°	1882.2	1878.4	1186.5	180.7	57.3	173.9	32.4
74.5°	2004.2	1723.2	1174.3	172.4	53.3	152.5	28.4
75°	1990.2	1665.0	1164.9	163.6	49.1	130.2	24.6
75.5°	1705.8	1713.9	1158.3	154.3	45.4	106.8	20.6
76°	1414.0	1840.5	1159.5	144.2	42.4	84.6	17.1
76.5°	1121.7	1941.2	1172.1	132.6	39.8	66.6	13.9
77°	827.3	1915.7	1196.4	120.1	37.2	53.2	11.6
77.5°	529.8	1707.9	1227.4	107.2	33.9	34.5	10.5
78°	232.7	1345.3	1260.6	94.6	30.0	13.3	9.5
78.5°	220.7	931.0	1290.3	83.4	26.4	5.2	8.5
79°	216.2	580.9	1303.1	73.0	23.6	3.7	7.6
79.5°	216.1	355.2	1302.8	64.4	20.3	3.5	6.8
80°	213.8	235.8	1288.2	57.2	16.9	3.6	6.2
80.5°	210.8	216.2	1255.7	51.4	13.9	3.7	5.8
81°	199.4	201.1	1202.0	46.2	11.7	3.9	5.4
81.5°	183.4	185.7	1132.2	41.6	9.8	4.0	5.0
82°	168.4	170.0	1041.2	37.3	8.1	4.1	4.7
82.5°	160.7	165.2	931.9	33.4	6.6	4.1	4.3
83°	154.3	158.5	817.2	29.9	5.1	4.1	4.0
83.5°	145.4	146.9	701.8	26.6	3.8	4.1	3.8
84°	139.2	133.0	619.8	23.6	2.8	4.1	3.7
84.5°	138.1	121.5	537.8	20.8	2.2	4.1	3.6
85°	138.9	111.4	455.8	18.2	2.1	4.1	3.5
85.5°	139.3	102.0	373.8	15.9	2.0	4.0	3.4
86°	138.8	92.8	292.7	13.7	2.0	3.9	3.4
86.5°	137.9	86.1	241.3	11.8	1.9	3.8	3.4
87°	136.8	81.9	199.9	10.0	1.9	3.7	3.4
87.5°	135.1	79.9	169.5	8.4	1.8	3.5	3.3
88°	131.8	79.6	149.7	6.9	1.7	3.4	3.3
88.5°	125.6	80.6	138.2	5.4	1.7	3.2	3.3
89°	115.4	82.1	129.3	4.2	1.7	3.1	3.3
89.5°	101.7	83.8	120.0	3.2	1.6	2.9	3.3

REPORT NUMBER: P1197047

CATALOG NUMBER: AWP75S-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	87.3	84.6	109.6	2.4	1.6	2.8	3.3
90.5°	73.8	84.1	99.5	2.1	1.6	2.7	3.4
91°	62.8	82.2	87.5	2.0	1.6	2.6	3.5
91.5°	54.6	78.9	75.4	2.0	1.6	2.4	3.6
92°	49.2	74.5	68.0	1.9	1.6	2.4	3.6
92.5°	45.9	69.3	61.5	1.8	1.6	2.4	3.7
93°	43.3	63.5	52.3	1.7	1.6	2.4	3.8
93.5°	41.3	56.1	40.6	1.7	1.6	2.4	3.8
94°	40.2	47.3	30.6	1.6	1.6	2.4	3.9
94.5°	39.2	38.5	20.6	1.6	1.7	2.4	4.0
95°	37.4	30.0	15.7	1.6	1.7	2.4	4.0
95.5°	34.6	22.5	12.1	1.5	1.7	2.4	4.1
96°	30.9	15.9	9.1	1.5	1.8	2.5	4.2
96.5°	27.0	10.1	8.3	1.5	1.8	2.5	4.2
97°	23.0	5.9	7.6	1.5	1.8	2.5	4.3
97.5°	17.7	3.0	6.9	1.5	1.9	2.6	4.4
98°	11.9	1.9	6.2	1.5	2.0	2.7	4.6
98.5°	5.9	1.4	5.6	1.5	2.0	2.8	4.7
99°	2.1	1.2	5.0	1.5	2.1	2.8	4.8
99.5°	1.6	1.1	4.4	1.5	2.1	2.9	4.9
100°	1.3	1.0	3.8	1.5	2.2	3.0	5.0
100.5°	1.1	0.9	3.4	1.6	2.3	3.1	5.1
101°	1.1	0.9	3.0	1.6	2.4	3.2	5.2
101.5°	1.1	0.8	2.7	1.6	2.4	3.3	5.2
102°	1.1	0.8	2.4	1.7	2.5	3.4	5.3
102.5°	1.0	0.8	2.2	1.7	2.6	3.5	5.5
103°	1.0	0.8	2.0	1.8	2.7	3.6	5.6
103.5°	0.9	0.8	1.8	1.8	2.8	3.7	5.7
104°	0.8	0.8	1.7	1.9	2.9	3.8	5.8
104.5°	0.8	0.8	1.5	1.9	2.9	3.9	5.9
105°	0.7	0.8	1.4	2.0	3.0	4.0	6.0
105.5°	0.7	0.7	1.3	2.0	3.1	4.1	6.1
106°	0.7	0.7	1.2	2.1	3.2	4.2	6.2
106.5°	0.7	0.7	1.1	2.1	3.3	4.3	6.2
107°	0.6	0.7	1.1	2.2	3.4	4.4	6.3
107.5°	0.6	0.7	1.0	2.3	3.5	4.5	6.4
108°	0.6	0.7	0.9	2.3	3.6	4.5	6.5
108.5°	0.5	0.6	1.0	2.3	3.7	4.7	6.6
109°	0.5	0.6	1.0	2.4	3.8	4.8	6.7
109.5°	0.5	0.6	1.0	2.5	3.9	4.8	6.8
110°	0.5	0.6	1.0	2.5	3.9	4.9	6.9
110.5°	0.5	0.5	1.0	2.6	4.0	5.0	7.0
111°	0.5	0.5	1.0	2.6	4.1	5.1	7.1
111.5°	0.5	0.5	1.0	2.7	4.2	5.2	7.1
112°	0.5	0.5	1.0	2.8	4.3	5.3	7.2

REPORT NUMBER: P1197047

CATALOG NUMBER: AWP75S-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.5	0.5	1.0	2.8	4.4	5.4	7.3
113°	0.5	0.5	1.1	2.9	4.5	5.5	7.4
113.5°	0.5	0.5	1.1	2.9	4.6	5.6	7.4
114°	0.5	0.5	1.2	3.0	4.7	5.7	7.5
114.5°	0.5	0.5	1.2	3.1	4.8	5.8	7.6
115°	0.5	0.5	1.2	3.1	4.9	5.9	7.7
115.5°	0.5	0.5	1.3	3.2	5.0	6.0	7.7
116°	0.5	0.6	1.3	3.2	5.1	6.1	7.8
116.5°	0.6	0.6	1.4	3.3	5.2	6.2	7.9
117°	0.6	0.6	1.4	3.3	5.3	6.3	7.9
117.5°	0.6	0.6	1.5	3.4	5.4	6.4	8.0
118°	0.6	0.7	1.5	3.4	5.5	6.5	8.0
118.5°	0.6	0.7	1.6	3.5	5.5	6.5	8.1
119°	0.6	0.7	1.6	3.5	5.6	6.6	8.1
119.5°	0.7	0.8	1.7	3.6	5.7	6.7	8.2
120°	0.7	0.8	1.7	3.6	5.8	6.8	8.2
120.5°	0.7	0.8	1.8	3.7	5.8	6.9	8.3
121°	0.7	0.9	1.9	3.7	5.9	6.9	8.3
121.5°	0.8	0.9	1.9	3.8	6.0	7.0	8.4
122°	0.8	1.0	2.0	3.8	6.1	7.0	8.5
122.5°	0.8	1.0	2.0	3.9	6.1	7.1	8.5
123°	0.8	1.0	2.1	3.9	6.2	7.2	8.5
123.5°	0.9	1.1	2.1	4.0	6.3	7.2	8.5
124°	0.9	1.1	2.2	4.0	6.3	7.3	8.6
124.5°	0.9	1.2	2.3	4.1	6.4	7.3	8.6
125°	1.0	1.2	2.3	4.1	6.5	7.4	8.6
125.5°	1.0	1.3	2.4	4.2	6.5	7.5	8.6
126°	1.0	1.3	2.4	4.3	6.6	7.5	8.6
126.5°	1.1	1.3	2.5	4.3	6.7	7.6	8.6
127°	1.1	1.4	2.5	4.4	6.7	7.6	8.6
127.5°	1.1	1.4	2.6	4.4	6.8	7.7	8.7
128°	1.2	1.5	2.7	4.5	6.8	7.7	8.7
128.5°	1.2	1.5	2.7	4.5	6.9	7.8	8.7
129°	1.3	1.6	2.8	4.6	6.9	7.8	8.7
129.5°	1.3	1.6	2.8	4.7	7.0	7.9	8.7
130°	1.3	1.7	2.9	4.7	7.0	7.9	8.7
130.5°	1.4	1.8	2.9	4.8	7.1	8.0	8.7
131°	1.4	1.8	3.0	4.8	7.1	8.0	8.7
131.5°	1.5	1.9	3.1	4.9	7.1	8.0	8.8
132°	1.5	1.9	3.1	5.0	7.2	8.1	8.8
132.5°	1.5	2.0	3.2	5.0	7.2	8.1	8.8
133°	1.6	2.0	3.3	5.1	7.3	8.2	8.9
133.5°	1.6	2.1	3.3	5.1	7.3	8.3	8.9
134°	1.7	2.1	3.4	5.2	7.3	8.3	8.9
134.5°	1.7	2.2	3.5	5.2	7.4	8.3	9.0

REPORT NUMBER: P1197047

CATALOG NUMBER: AWP75S-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	1.8	2.2	3.5	5.3	7.4	8.4	9.0
135.5°	1.8	2.3	3.6	5.4	7.5	8.4	9.0
136°	1.9	2.3	3.7	5.4	7.5	8.5	9.1
136.5°	1.9	2.4	3.7	5.5	7.5	8.5	9.1
137°	2.0	2.5	3.8	5.5	7.6	8.6	9.2
137.5°	2.0	2.5	3.8	5.6	7.6	8.6	9.2
138°	2.1	2.6	3.9	5.7	7.6	8.6	9.3
138.5°	2.1	2.7	4.0	5.7	7.7	8.7	9.3
139°	2.2	2.7	4.0	5.8	7.7	8.7	9.3
139.5°	2.3	2.8	4.1	5.8	7.7	8.7	9.3
140°	2.3	2.9	4.2	5.9	7.8	8.8	9.3
140.5°	2.4	3.0	4.2	5.9	7.8	8.8	9.4
141°	2.4	3.1	4.3	6.0	7.8	8.8	9.4
141.5°	2.5	3.1	4.4	6.0	7.8	8.8	9.4
142°	2.5	3.2	4.4	6.1	7.9	8.8	9.4
142.5°	2.6	3.3	4.5	6.1	7.9	8.9	9.4
143°	2.7	3.3	4.6	6.2	7.9	8.9	9.4
143.5°	2.7	3.4	4.6	6.2	7.9	8.9	9.4
144°	2.8	3.5	4.7	6.3	8.0	8.9	9.4
144.5°	2.9	3.5	4.7	6.3	8.0	8.9	9.4
145°	2.9	3.6	4.8	6.4	8.0	8.9	9.4
145.5°	3.0	3.7	4.9	6.4	8.0	8.9	9.4
146°	3.1	3.7	4.9	6.5	8.1	8.9	9.4
146.5°	3.1	3.8	5.0	6.5	8.1	8.9	9.4
147°	3.2	3.8	5.1	6.6	8.1	8.9	9.4
147.5°	3.2	3.9	5.1	6.6	8.1	8.9	9.4
148°	3.3	4.0	5.2	6.7	8.2	8.9	9.4
148.5°	3.4	4.0	5.3	6.7	8.2	8.9	9.4
149°	3.4	4.1	5.3	6.8	8.2	8.9	9.4
149.5°	3.5	4.2	5.4	6.8	8.2	8.9	9.4
150°	3.6	4.2	5.4	6.8	8.3	8.9	9.4
150.5°	3.6	4.3	5.5	6.9	8.3	8.9	9.4
151°	3.7	4.4	5.6	7.0	8.4	9.0	9.4
151.5°	3.7	4.4	5.6	7.0	8.4	9.0	9.4
152°	3.8	4.5	5.7	7.1	8.4	9.0	9.3
152.5°	3.9	4.6	5.8	7.1	8.5	9.0	9.3
153°	3.9	4.6	5.8	7.2	8.5	9.0	9.3
153.5°	4.0	4.7	5.9	7.2	8.5	9.1	9.3
154°	4.1	4.8	6.0	7.3	8.6	9.1	9.3
154.5°	4.2	4.8	6.0	7.4	8.6	9.1	9.3
155°	4.2	4.9	6.1	7.4	8.6	9.1	9.3
155.5°	4.3	5.0	6.2	7.4	8.6	9.1	9.3
156°	4.4	5.0	6.2	7.5	8.7	9.1	9.3
156.5°	4.4	5.1	6.3	7.6	8.7	9.1	9.3
157°	4.5	5.2	6.3	7.6	8.7	9.1	9.3

REPORT NUMBER: P1197047

CATALOG NUMBER: AWP75S-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	4.6	5.2	6.4	7.6	8.7	9.1	9.2
158°	4.6	5.3	6.5	7.7	8.8	9.1	9.2
158.5°	4.7	5.4	6.5	7.7	8.8	9.1	9.2
159°	4.8	5.4	6.6	7.8	8.8	9.1	9.2
159.5°	4.9	5.5	6.6	7.8	8.8	9.1	9.2
160°	4.9	5.6	6.7	7.9	8.8	9.2	9.2
160.5°	5.0	5.7	6.8	7.9	8.9	9.2	9.2
161°	5.1	5.7	6.8	7.9	8.9	9.2	9.2
161.5°	5.2	5.8	6.9	7.9	8.9	9.2	9.2
162°	5.2	5.8	6.9	8.0	8.9	9.2	9.2
162.5°	5.3	5.9	7.0	8.0	8.9	9.2	9.2
163°	5.4	6.0	7.1	8.1	8.9	9.2	9.1
163.5°	5.5	6.1	7.1	8.1	8.9	9.2	9.1
164°	5.6	6.1	7.2	8.2	9.0	9.2	9.1
164.5°	5.6	6.2	7.3	8.2	9.0	9.2	9.0
165°	5.7	6.3	7.3	8.2	9.0	9.2	9.0
165.5°	5.8	6.4	7.4	8.3	9.0	9.2	9.0
166°	5.9	6.4	7.5	8.3	9.0	9.2	9.0
166.5°	6.0	6.5	7.5	8.3	9.1	9.2	9.0
167°	6.1	6.6	7.6	8.4	9.1	9.2	9.0
167.5°	6.2	6.7	7.7	8.4	9.1	9.2	9.0
168°	6.3	6.8	7.7	8.5	9.1	9.2	9.0
168.5°	6.4	6.9	7.8	8.5	9.1	9.2	9.0
169°	6.5	7.0	7.8	8.5	9.1	9.2	8.9
169.5°	6.6	7.0	7.9	8.6	9.1	9.2	8.9
170°	6.6	7.1	8.0	8.6	9.1	9.2	8.9
170.5°	6.7	7.2	8.0	8.6	9.1	9.2	8.9
171°	6.8	7.3	8.1	8.6	9.1	9.2	8.8
171.5°	6.9	7.3	8.1	8.7	9.1	9.2	8.8
172°	7.0	7.4	8.1	8.7	9.1	9.2	8.8
172.5°	7.0	7.4	8.2	8.7	9.1	9.2	8.7
173°	7.1	7.5	8.2	8.7	9.1	9.2	8.7
173.5°	7.2	7.6	8.3	8.7	9.1	9.2	8.6
174°	7.2	7.7	8.3	8.8	9.1	9.2	8.6
174.5°	7.3	7.7	8.4	8.8	9.0	9.1	8.6
175°	7.4	7.8	8.4	8.8	9.0	9.1	8.5
175.5°	7.4	7.8	8.4	8.8	9.0	9.1	8.5
176°	7.5	7.9	8.5	8.8	9.0	9.1	8.4
176.5°	7.6	8.0	8.5	8.8	9.0	9.1	8.4
177°	7.6	8.0	8.6	8.8	9.0	9.0	8.3
177.5°	7.7	8.1	8.6	8.9	9.0	9.0	8.3
178°	7.8	8.2	8.6	8.9	9.0	9.0	8.2
178.5°	7.8	8.2	8.7	8.9	9.0	8.9	8.2
179°	7.9	8.3	8.7	8.9	9.0	8.9	8.1
179.5°	7.9	8.3	8.8	8.9	9.0	8.9	8.1



REPORT NUMBER: P1197047
CATALOG NUMBER: AWP75S-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	8.0	8.0	8.0	8.0	8.0	8.0	8.0

(END OF REPORT)