

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: P1197062

Luminaire Tested: AWP75S-BZ-LOW-3000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197062
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 45
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 8145.4 lumens
Efficiency: 83.8%
Efficacy: 145.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G5

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

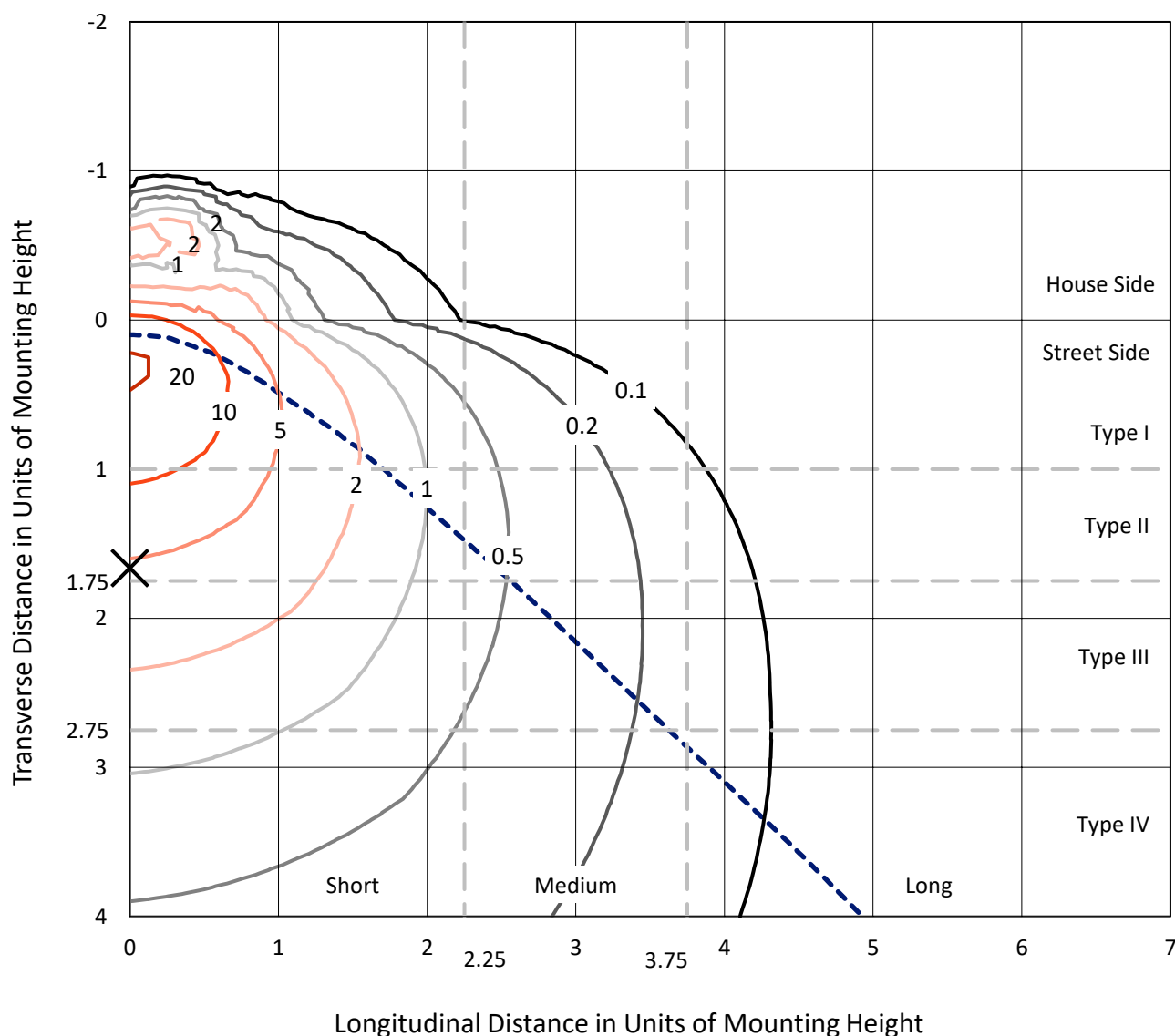
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

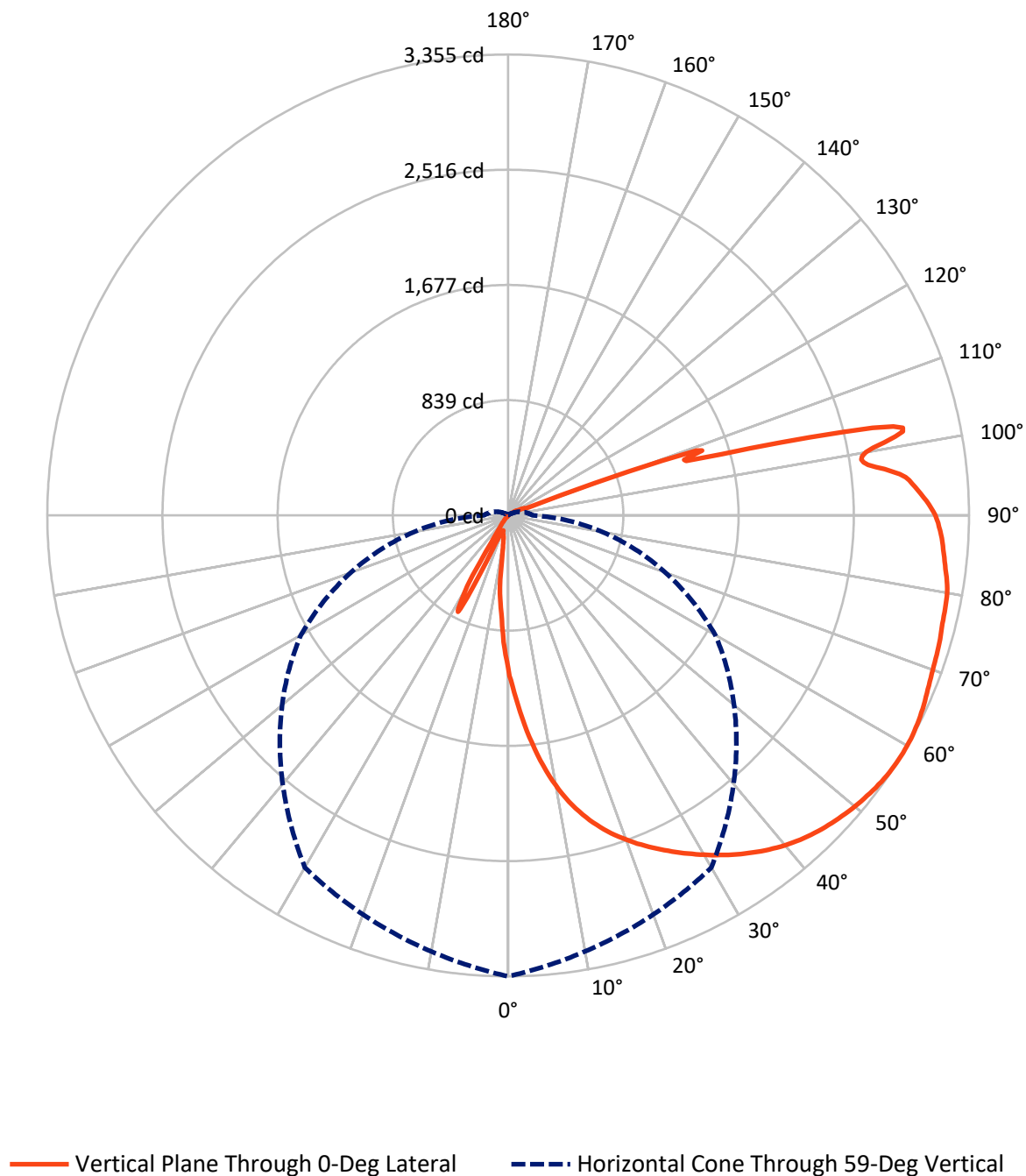


Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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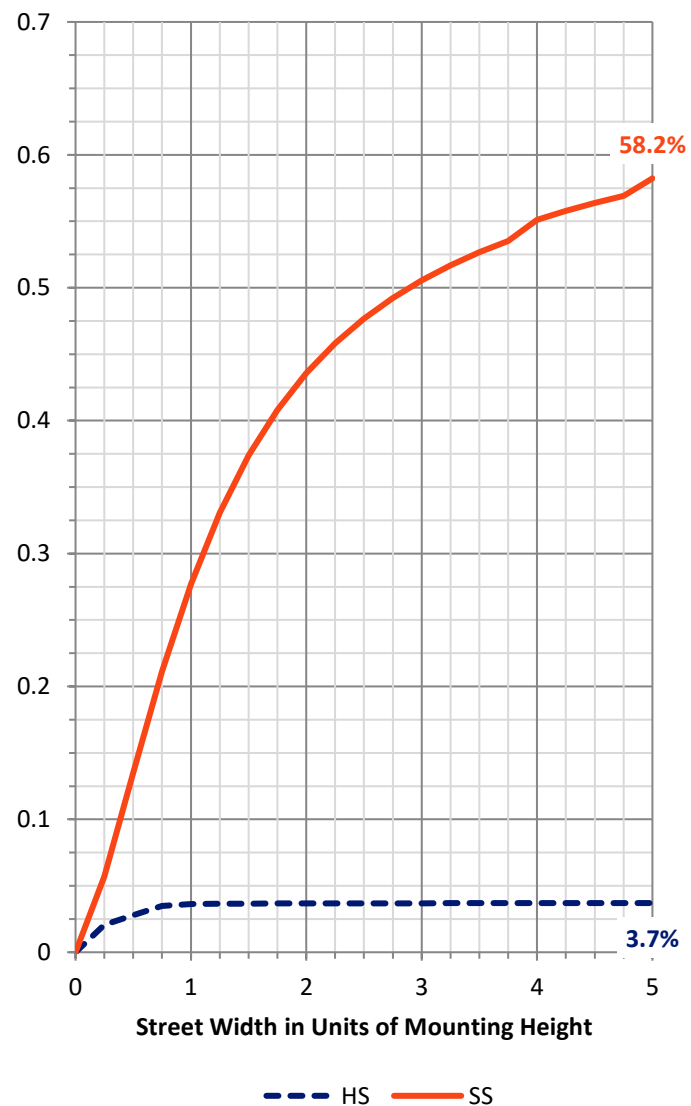
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	362.4	20.1	382.5
	% Lamp	3.7	0.2	3.9
Street Side	Lumens	6399.4	1363.5	7762.9
	% Lamp	65.8	14.0	79.9
Total	Lumens	6761.8	1383.6	8145.4
	% Lamp	69.6	14.2	83.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	110.4	1.4	1.1
10°-20°	323.6	4.0	3.3
20°-30°	558.6	6.9	5.7
30°-40°	793.9	9.7	8.2
40°-50°	901.3	11.1	9.3
50°-60°	998.4	12.3	10.3
60°-70°	1050.9	12.9	10.8
70°-80°	1045.0	12.8	10.8
80°-90°	979.7	12.0	10.1
90°-100°	909.7	11.2	9.4
100°-110°	431.8	5.3	4.4
110°-120°	26.7	0.3	0.3
120°-130°	6.0	0.1	0.1
130°-140°	3.1	0.0	0.0
140°-150°	2.6	0.0	0.0
150°-160°	2.0	0.0	0.0
160°-170°	1.2	0.0	0.0
170°-180°	0.4	0.0	0.0
0°-90°	6761.8	83.0	69.6
0°-180°	8145.4	100.0	83.8

Coefficient of Utilization



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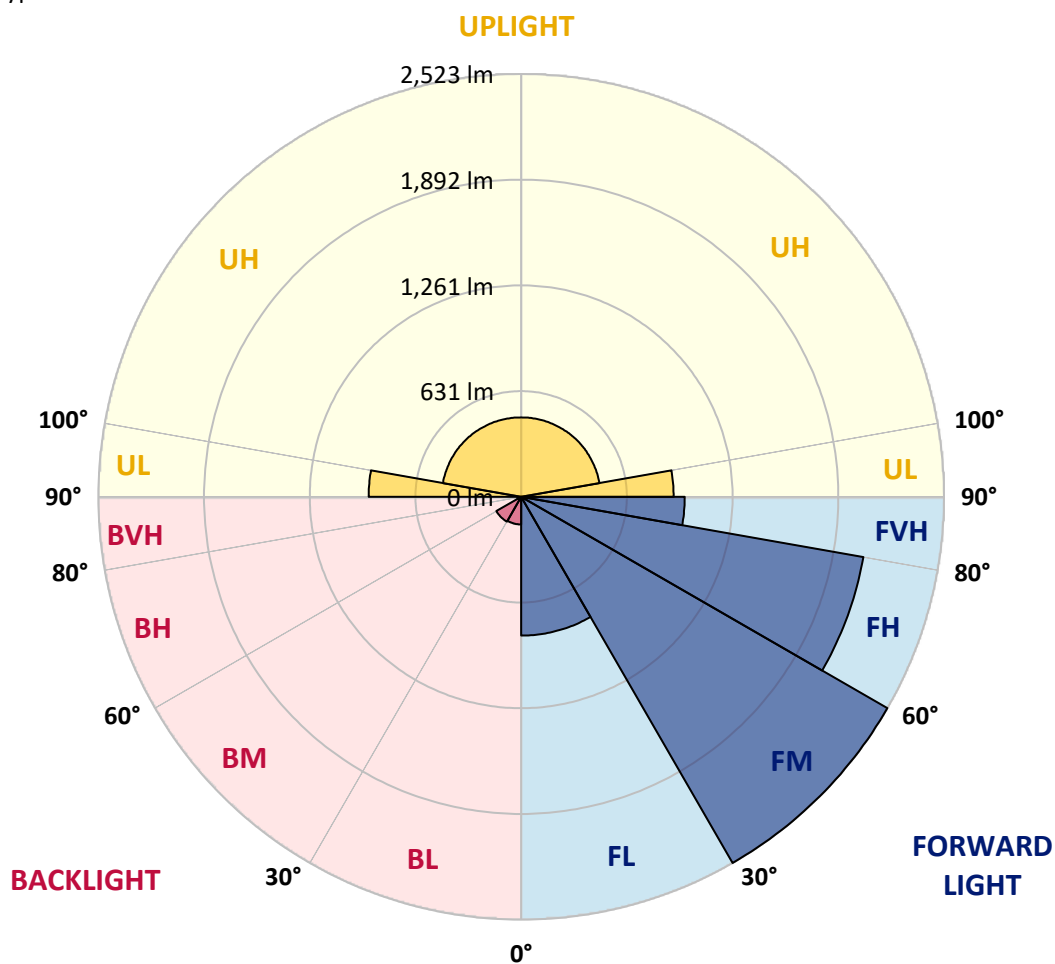
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	827.6	8.5			
FM	(30°-60°)	2522.7	26.0			
FH	(60°-80°)	2073.3	21.3			G2/5000
FVH	(80°-90°)	975.8	10.0			G5
BL	(0°-30°)	165.0	1.7	B1/500		
BM	(30°-60°)	170.9	1.8	B0/220		
BH	(60°-80°)	22.6	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	0.0			G0/10
UL	(90°-100°)	909.7	9.4		U4/1000	
UH	(100°-180°)	473.9	4.9		U3/500	
Trapped Light		1574.6	16.2			

BUG Rating: B1-U4-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4
0.5°	1196.9	1221.8	1207.3	1186.8	1149.7	1101.1	1105.0
1°	1243.1	1261.9	1230.9	1186.7	1126.6	1061.4	1060.8
1.5°	1290.0	1304.1	1254.6	1185.7	1103.7	1024.3	1014.8
2°	1337.0	1343.8	1277.0	1185.1	1081.1	985.2	971.8
2.5°	1385.8	1385.2	1300.1	1183.8	1057.7	948.3	922.4
3°	1432.6	1426.5	1322.8	1182.3	1033.8	905.9	864.0
3.5°	1481.6	1466.3	1345.0	1181.0	1010.3	854.8	807.0
4°	1528.5	1507.9	1367.8	1179.3	986.2	804.5	756.6
4.5°	1575.7	1547.1	1390.2	1177.4	963.6	760.6	711.6
5°	1621.7	1588.0	1411.9	1175.0	941.9	721.4	673.9
5.5°	1666.4	1626.6	1433.5	1172.5	917.2	684.3	639.4
6°	1711.5	1663.9	1455.3	1169.5	890.2	652.8	607.5
6.5°	1754.6	1702.2	1476.1	1165.9	860.0	624.3	572.1
7°	1797.9	1739.1	1497.7	1162.3	828.0	596.2	527.6
7.5°	1840.0	1775.0	1518.5	1158.5	798.4	565.9	467.7
8°	1880.3	1810.7	1538.3	1154.8	769.3	528.0	399.9
8.5°	1920.0	1844.0	1558.1	1150.6	741.0	477.2	332.0
9°	1956.8	1877.7	1578.0	1146.2	713.7	420.5	276.3
9.5°	1993.5	1909.7	1596.5	1141.8	688.6	361.5	236.6
10°	2029.9	1941.0	1614.9	1137.0	664.5	304.5	219.6
10.5°	2064.3	1972.4	1634.0	1131.8	642.0	257.8	203.4
11°	2096.6	2001.3	1651.0	1126.6	621.3	224.4	187.6
11.5°	2128.7	2029.2	1668.5	1120.9	602.9	208.9	172.1
12°	2158.9	2056.8	1685.8	1115.1	585.1	194.7	164.5
12.5°	2188.1	2082.9	1701.9	1109.3	566.5	180.5	159.0
13°	2216.5	2108.2	1718.2	1102.7	547.5	166.4	155.3
13.5°	2244.0	2133.0	1734.0	1096.5	526.4	158.9	152.6
14°	2270.6	2156.4	1748.4	1089.3	494.6	152.9	150.4
14.5°	2296.2	2179.2	1762.6	1081.5	462.9	148.6	148.8
15°	2320.3	2200.8	1777.5	1074.4	431.2	146.0	147.2
15.5°	2343.4	2222.0	1791.2	1066.2	399.6	144.6	144.9
16°	2366.3	2242.1	1804.0	1058.4	367.9	143.8	141.1
16.5°	2389.2	2261.9	1817.2	1050.3	331.1	143.6	135.8
17°	2410.2	2280.8	1829.8	1041.6	295.0	143.5	130.0
17.5°	2431.9	2299.1	1841.5	1033.5	264.3	143.8	125.0
18°	2452.5	2316.2	1852.6	1024.5	237.1	144.5	119.8
18.5°	2472.2	2333.5	1863.5	1015.3	214.8	144.8	116.1
19°	2491.8	2349.0	1873.7	1007.4	198.6	144.1	115.3
19.5°	2510.7	2364.8	1884.2	998.1	186.0	142.1	115.9
20°	2529.6	2381.1	1894.6	989.4	176.3	138.6	116.7
20.5°	2548.5	2395.3	1903.4	980.5	169.2	134.3	118.4
21°	2567.1	2409.5	1912.2	971.7	163.4	127.3	121.4
21.5°	2584.6	2424.2	1920.7	962.2	159.1	122.1	130.0
22°	2601.8	2437.9	1928.6	953.0	155.9	119.9	144.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	2619.8	2451.0	1936.0	943.9	153.7	118.7	158.5
23°	2637.0	2464.7	1943.2	933.9	152.5	118.0	165.7
23.5°	2653.8	2478.4	1949.6	924.2	151.7	117.4	172.5
24°	2670.6	2490.5	1955.3	913.9	151.2	116.2	187.3
24.5°	2687.9	2502.9	1961.7	902.9	150.4	115.0	219.2
25°	2704.2	2515.2	1966.9	893.0	149.6	116.0	274.4
25.5°	2721.5	2527.0	1972.1	882.6	148.8	120.3	370.6
26°	2738.3	2539.0	1976.6	871.8	148.1	127.2	468.4
26.5°	2754.3	2551.1	1980.5	861.0	147.6	136.4	566.5
27°	2770.9	2562.8	1984.5	851.0	147.5	152.0	664.8
27.5°	2786.8	2575.0	1988.1	840.4	147.8	176.2	762.9
28°	2803.3	2586.8	1990.9	829.6	148.0	195.5	790.0
28.5°	2820.0	2597.8	1993.2	819.2	147.7	207.8	773.1
29°	2836.5	2609.0	1995.8	808.0	146.9	222.4	730.9
29.5°	2851.8	2620.9	1997.9	797.5	145.8	247.8	687.8
30°	2867.6	2632.0	1999.8	787.4	145.3	288.4	643.8
30.5°	2884.1	2643.2	2001.0	777.0	145.7	343.0	595.4
31°	2899.7	2654.3	2002.3	766.7	146.1	396.9	509.8
31.5°	2914.7	2664.6	2002.9	758.3	146.5	450.0	401.7
32°	2930.7	2675.4	2003.1	749.5	147.1	503.7	308.5
32.5°	2945.4	2686.8	2003.7	741.0	147.7	557.9	232.6
33°	2960.5	2697.8	2003.6	733.6	148.3	613.5	202.5
33.5°	2975.8	2708.7	2003.3	725.9	147.1	611.9	174.3
34°	2990.7	2719.1	2002.8	717.5	145.4	594.4	145.6
34.5°	3005.0	2730.0	2001.6	709.2	142.4	563.3	116.7
35°	3018.7	2739.8	2000.2	699.9	138.3	531.3	106.0
35.5°	3032.6	2750.4	1998.7	689.6	135.5	503.4	96.4
36°	3046.0	2759.7	1996.5	679.2	132.8	474.5	87.6
36.5°	3059.7	2769.6	1994.4	666.4	129.9	442.9	79.4
37°	3072.8	2779.1	1992.1	652.0	127.0	403.9	71.5
37.5°	3085.6	2788.9	1989.3	638.0	124.1	367.5	64.5
38°	3097.9	2798.1	1986.5	623.0	121.0	330.3	58.0
38.5°	3110.7	2806.6	1983.0	607.9	117.9	288.0	51.9
39°	3123.1	2815.2	1979.9	593.1	114.8	245.1	46.3
39.5°	3134.5	2823.9	1976.6	579.2	111.8	217.9	41.2
40°	3145.8	2832.2	1972.5	564.5	108.2	191.4	36.3
40.5°	3156.1	2840.6	1968.7	550.7	104.5	164.9	31.8
41°	3166.4	2848.5	1964.8	536.5	101.3	138.5	27.8
41.5°	3176.3	2856.3	1960.7	521.7	98.7	112.1	23.8
42°	3185.8	2863.7	1956.4	506.5	96.5	98.1	20.0
42.5°	3195.0	2871.3	1951.5	491.7	94.4	86.2	16.7
43°	3203.9	2878.3	1946.1	474.8	92.2	75.2	14.0
43.5°	3212.1	2885.2	1941.2	458.3	90.1	66.0	12.6
44°	3220.2	2891.7	1936.2	441.8	88.1	57.3	11.5
44.5°	3228.0	2897.8	1930.8	424.4	86.1	49.9	10.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3236.1	2904.0	1925.2	405.9	83.9	42.6	9.5
45.5°	3243.3	2909.1	1919.6	388.0	81.3	34.0	8.6
46°	3250.3	2914.0	1914.2	368.9	79.3	27.8	7.9
46.5°	3257.3	2918.7	1908.5	350.9	77.5	22.4	7.2
47°	3263.3	2923.2	1902.8	333.1	75.7	15.1	6.4
47.5°	3270.2	2927.5	1896.8	316.8	74.0	9.2	5.3
48°	3276.3	2931.3	1891.0	301.1	72.4	8.0	4.7
48.5°	3282.7	2934.9	1885.0	287.3	70.8	7.6	4.3
49°	3289.2	2938.4	1878.7	274.7	69.0	7.3	3.9
49.5°	3294.6	2941.6	1872.4	263.8	67.2	7.1	3.5
50°	3300.2	2944.9	1866.0	254.7	65.2	6.9	3.3
50.5°	3305.6	2948.0	1859.5	246.3	63.1	6.6	3.1
51°	3310.5	2950.4	1852.9	238.7	60.9	6.3	3.0
51.5°	3315.4	2952.8	1845.8	231.9	58.6	5.8	3.0
52°	3320.4	2954.7	1838.9	226.6	56.3	5.1	2.9
52.5°	3325.0	2956.9	1832.4	221.3	53.9	4.6	2.9
53°	3329.2	2958.9	1825.9	216.0	51.5	4.3	2.8
53.5°	3332.9	2960.5	1819.2	210.7	49.1	3.9	2.8
54°	3337.4	2962.0	1812.9	207.2	47.1	3.6	2.8
54.5°	3340.7	2963.0	1806.6	204.0	45.3	3.4	2.8
55°	3343.9	2963.8	1799.9	201.1	43.7	3.2	2.8
55.5°	3346.3	2964.3	1792.9	198.1	42.0	3.0	2.8
56°	3348.5	2964.1	1785.9	195.4	40.3	2.9	2.8
56.5°	3350.6	2963.7	1779.5	192.6	38.3	2.8	2.8
57°	3352.1	2963.3	1772.5	189.6	36.0	2.7	2.8
57.5°	3352.9	2962.5	1765.1	186.6	33.4	2.6	2.9
58°	3353.9	2961.2	1757.7	183.7	30.4	2.5	3.0
58.5°	3354.2	2959.9	1750.0	181.0	27.4	2.4	3.0
59°	3354.5	2958.2	1741.5	178.3	24.3	2.4	3.1
59.5°	3354.0	2956.3	1733.4	175.5	21.3	2.4	3.2
60°	3353.2	2953.7	1725.3	172.8	18.4	2.3	3.3
60.5°	3352.2	2950.2	1716.2	170.1	15.6	2.3	3.3
61°	3350.3	2946.9	1706.6	167.5	12.9	2.3	3.4
61.5°	3348.3	2943.6	1697.5	164.9	10.4	2.3	3.4
62°	3346.0	2940.6	1687.9	162.2	7.9	2.3	3.5
62.5°	3343.1	2936.7	1677.8	159.5	5.6	2.3	3.6
63°	3340.1	2932.4	1667.6	156.9	4.4	2.4	3.7
63.5°	3336.7	2928.6	1656.9	154.4	4.0	2.4	3.7
64°	3332.7	2924.4	1645.8	152.0	3.7	2.5	3.8
64.5°	3329.3	2919.4	1635.3	149.5	3.6	2.5	3.9
65°	3325.2	2914.4	1624.8	147.1	3.6	2.6	4.0
65.5°	3320.6	2909.3	1613.8	144.7	3.5	2.6	4.1
66°	3316.0	2903.6	1603.4	142.4	3.4	2.7	4.2
66.5°	3312.0	2899.1	1592.8	139.9	3.1	2.8	4.3
67°	3307.5	2893.0	1582.0	137.3	3.0	2.9	4.4

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CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3303.7	2886.8	1572.2	134.6	3.0	2.9	4.5
68°	3299.4	2881.3	1562.6	131.9	2.9	3.0	4.6
68.5°	3295.8	2875.0	1552.6	129.1	2.9	3.1	4.7
69°	3292.0	2869.6	1543.0	126.2	2.8	3.2	4.8
69.5°	3289.0	2864.2	1533.7	123.3	2.8	3.3	4.9
70°	3286.1	2859.2	1524.1	120.2	2.8	3.4	5.0
70.5°	3283.8	2853.7	1514.5	117.1	2.8	3.4	5.1
71°	3281.9	2849.0	1504.8	113.9	2.8	3.5	5.2
71.5°	3280.2	2843.9	1494.0	110.5	2.8	3.6	5.3
72°	3278.4	2838.8	1483.8	107.2	2.8	3.7	5.5
72.5°	3275.8	2833.8	1472.9	103.5	2.8	3.8	5.6
73°	3273.7	2828.0	1460.0	99.5	2.8	3.9	5.7
73.5°	3270.7	2822.1	1447.5	95.2	2.9	4.0	5.8
74°	3267.9	2816.4	1434.4	90.2	2.9	4.1	5.9
74.5°	3264.0	2809.2	1420.1	85.2	2.9	4.2	6.0
75°	3260.8	2802.5	1406.5	80.1	2.9	4.2	6.0
75.5°	3258.2	2795.8	1392.6	75.1	2.9	4.3	6.1
76°	3256.4	2790.1	1378.4	69.9	2.9	4.4	6.2
76.5°	3254.8	2784.3	1364.3	65.3	3.0	4.5	6.3
77°	3253.5	2779.6	1349.9	60.8	3.0	4.6	6.4
77.5°	3252.2	2775.7	1334.5	56.5	3.1	4.7	6.5
78°	3250.5	2772.2	1320.2	52.6	3.1	4.8	6.6
78.5°	3249.5	2768.8	1306.4	48.7	3.1	4.8	6.7
79°	3247.8	2765.4	1291.6	44.9	3.2	4.9	6.8
79.5°	3245.0	2760.7	1276.6	41.3	3.2	5.0	6.9
80°	3240.9	2756.4	1260.2	37.6	3.3	5.1	7.0
80.5°	3235.1	2750.3	1240.6	34.3	3.3	5.2	7.0
81°	3228.9	2744.0	1218.3	31.2	3.4	5.3	7.1
81.5°	3222.3	2736.3	1196.6	28.2	3.4	5.3	7.2
82°	3214.7	2729.0	1175.2	25.6	3.5	5.4	7.3
82.5°	3208.0	2721.0	1153.9	23.2	3.5	5.5	7.4
83°	3201.6	2714.5	1132.4	21.0	3.6	5.6	7.4
83.5°	3195.4	2709.0	1110.9	18.9	3.6	5.6	7.5
84°	3189.6	2705.6	1091.9	17.0	3.7	5.7	7.6
84.5°	3183.3	2701.9	1072.8	15.2	3.7	5.8	7.7
85°	3176.9	2699.6	1054.3	13.7	3.8	5.9	7.7
85.5°	3172.1	2696.0	1035.5	12.2	3.8	5.9	7.8
86°	3166.4	2692.4	1018.3	10.8	3.9	6.0	7.8
86.5°	3160.7	2689.6	1002.3	9.6	3.9	6.1	7.9
87°	3153.8	2687.4	987.4	8.4	3.9	6.1	8.0
87.5°	3146.2	2684.6	972.2	7.3	4.0	6.2	8.0
88°	3138.3	2682.5	960.1	6.2	4.0	6.3	8.1
88.5°	3131.0	2680.4	948.4	5.2	4.1	6.3	8.1
89°	3121.1	2677.3	937.7	4.4	4.1	6.4	8.2
89.5°	3108.9	2673.6	928.0	3.7	4.1	6.4	8.3

REPORT NUMBER: P1197062

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3096.1	2669.6	920.8	3.0	4.2	6.5	8.3
90.5°	3080.3	2666.4	915.7	2.6	4.2	6.5	8.4
91°	3063.4	2664.1	909.9	2.4	4.3	6.6	8.4
91.5°	3046.2	2661.0	907.3	2.4	4.3	6.7	8.5
92°	3027.4	2657.6	907.7	2.3	4.3	6.7	8.5
92.5°	3008.0	2653.5	912.4	2.3	4.4	6.8	8.5
93°	2988.6	2649.8	921.3	2.3	4.4	6.9	8.6
93.5°	2970.0	2647.3	939.0	2.2	4.4	7.0	8.6
94°	2950.4	2645.1	965.3	2.2	4.5	7.0	8.6
94.5°	2931.5	2639.7	990.3	2.2	4.5	7.1	8.7
95°	2906.0	2629.0	1008.7	2.2	4.6	7.1	8.7
95.5°	2865.6	2609.2	1013.0	2.1	4.6	7.2	8.7
96°	2814.5	2588.6	1003.4	2.1	4.6	7.2	8.8
96.5°	2760.3	2576.9	988.6	2.1	4.7	7.3	8.8
97°	2699.3	2589.1	974.0	2.1	4.7	7.3	8.8
97.5°	2646.4	2611.3	948.9	2.1	4.7	7.4	8.9
98°	2615.2	2651.5	909.3	2.0	4.8	7.5	8.9
98.5°	2603.5	2688.8	847.8	2.0	4.8	7.5	8.9
99°	2612.3	2707.3	760.0	2.0	4.8	7.6	9.0
99.5°	2643.8	2686.7	670.7	2.0	4.9	7.6	9.0
100°	2701.6	2613.4	581.5	2.0	4.9	7.7	9.0
100.5°	2788.8	2468.5	492.3	2.0	5.0	7.7	9.0
101°	2876.4	2263.4	403.0	2.0	5.0	7.8	9.0
101.5°	2937.9	2017.2	315.0	2.0	5.1	7.8	9.1
102°	2942.2	1776.9	247.4	2.0	5.1	7.8	9.1
102.5°	2876.8	1572.4	186.6	2.0	5.1	7.9	9.1
103°	2728.6	1403.5	152.7	2.0	5.1	7.9	9.1
103.5°	2511.3	1275.2	142.1	2.0	5.2	8.0	9.1
104°	2265.4	1223.7	146.9	2.0	5.2	8.0	9.1
104.5°	2045.0	1261.1	160.7	2.0	5.2	8.0	9.2
105°	1828.2	1363.2	164.4	2.0	5.3	8.0	9.2
105.5°	1617.4	1450.2	162.3	2.0	5.3	8.1	9.2
106°	1464.6	1421.6	158.9	2.1	5.3	8.1	9.2
106.5°	1355.1	1246.2	154.4	2.1	5.4	8.1	9.2
107°	1343.0	952.6	146.5	2.1	5.4	8.1	9.2
107.5°	1414.1	643.6	131.2	2.1	5.4	8.1	9.2
108°	1489.3	374.6	102.8	2.1	5.4	8.2	9.3
108.5°	1450.7	213.2	80.9	2.1	5.5	8.2	9.3
109°	1191.2	179.8	69.6	2.2	5.5	8.2	9.3
109.5°	931.9	152.4	57.9	2.2	5.5	8.2	9.3
110°	672.6	125.0	41.2	2.2	5.5	8.2	9.3
110.5°	413.4	97.6	28.6	2.2	5.6	8.2	9.3
111°	164.7	97.3	24.2	2.2	5.6	8.3	9.3
111.5°	133.5	97.0	20.1	2.3	5.6	8.3	9.3
112°	127.9	93.2	16.4	2.3	5.6	8.3	9.3

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CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	127.0	83.6	13.1	2.3	5.6	8.3	9.3
113°	128.7	75.8	10.7	2.3	5.7	8.3	9.3
113.5°	128.5	70.6	9.0	2.4	5.7	8.3	9.3
114°	126.2	64.2	7.6	2.4	5.7	8.3	9.3
114.5°	118.7	56.8	6.5	2.4	5.7	8.3	9.3
115°	108.0	51.3	5.5	2.4	5.8	8.3	9.3
115.5°	100.0	48.5	4.6	2.5	5.8	8.3	9.3
116°	95.5	46.9	3.9	2.5	5.8	8.3	9.3
116.5°	88.6	46.1	3.4	2.5	5.8	8.4	9.3
117°	80.0	45.8	3.1	2.5	5.8	8.4	9.3
117.5°	74.2	45.6	2.8	2.6	5.9	8.4	9.3
118°	71.1	44.5	2.5	2.6	5.9	8.4	9.3
118.5°	69.8	42.3	2.3	2.6	5.9	8.4	9.3
119°	68.0	38.7	2.1	2.7	5.9	8.4	9.3
119.5°	65.8	35.0	2.0	2.7	5.9	8.4	9.3
120°	63.1	30.9	1.9	2.7	5.9	8.4	9.3
120.5°	60.1	25.3	1.8	2.7	5.9	8.4	9.3
121°	56.0	18.5	1.6	2.8	6.0	8.4	9.3
121.5°	50.8	12.4	1.5	2.8	6.0	8.4	9.3
122°	44.6	8.2	1.4	2.8	6.0	8.4	9.3
122.5°	38.9	6.3	1.3	2.8	6.0	8.4	9.3
123°	33.5	5.3	1.2	2.9	6.0	8.4	9.2
123.5°	27.4	4.4	1.1	2.9	6.0	8.4	9.2
124°	21.2	3.5	1.1	2.9	6.1	8.4	9.2
124.5°	16.0	2.7	1.0	3.0	6.1	8.4	9.2
125°	13.0	1.9	1.0	3.0	6.1	8.4	9.2
125.5°	10.9	1.4	0.9	3.0	6.1	8.4	9.1
126°	7.9	1.0	0.9	3.1	6.1	8.4	9.1
126.5°	5.1	0.9	0.9	3.1	6.1	8.4	9.1
127°	3.9	0.8	0.9	3.1	6.1	8.4	9.1
127.5°	2.9	0.7	0.9	3.1	6.1	8.4	9.1
128°	2.3	0.6	0.9	3.2	6.2	8.4	9.0
128.5°	1.8	0.6	0.9	3.2	6.2	8.4	9.0
129°	1.3	0.6	0.9	3.3	6.2	8.4	9.0
129.5°	0.7	0.6	0.9	3.3	6.2	8.4	9.0
130°	0.7	0.5	1.0	3.3	6.2	8.4	8.9
130.5°	0.6	0.5	1.0	3.3	6.2	8.4	8.9
131°	0.6	0.5	1.0	3.4	6.2	8.3	8.9
131.5°	0.6	0.5	1.0	3.4	6.2	8.3	8.8
132°	0.5	0.5	1.1	3.4	6.2	8.3	8.8
132.5°	0.5	0.5	1.1	3.4	6.2	8.3	8.8
133°	0.5	0.5	1.1	3.5	6.2	8.3	8.8
133.5°	0.5	0.4	1.2	3.5	6.2	8.3	8.7
134°	0.5	0.4	1.2	3.5	6.2	8.3	8.7
134.5°	0.4	0.4	1.3	3.5	6.2	8.3	8.7

REPORT NUMBER: P1197062

CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.4	0.4	1.3	3.6	6.2	8.2	8.7
135.5°	0.4	0.4	1.3	3.6	6.2	8.2	8.7
136°	0.4	0.4	1.4	3.6	6.2	8.2	8.7
136.5°	0.4	0.4	1.4	3.7	6.2	8.2	8.6
137°	0.3	0.4	1.4	3.7	6.2	8.2	8.6
137.5°	0.3	0.4	1.5	3.7	6.2	8.1	8.6
138°	0.3	0.4	1.5	3.7	6.2	8.1	8.5
138.5°	0.3	0.4	1.6	3.8	6.2	8.1	8.5
139°	0.3	0.4	1.6	3.8	6.3	8.1	8.5
139.5°	0.3	0.4	1.6	3.8	6.3	8.1	8.4
140°	0.3	0.4	1.7	3.9	6.3	8.1	8.4
140.5°	0.3	0.4	1.7	3.9	6.3	8.0	8.3
141°	0.3	0.4	1.8	3.9	6.3	8.0	8.3
141.5°	0.3	0.4	1.8	3.9	6.3	8.0	8.2
142°	0.3	0.4	1.8	4.0	6.3	8.0	8.2
142.5°	0.3	0.4	1.9	4.0	6.2	7.9	8.1
143°	0.3	0.4	1.9	4.0	6.2	7.9	8.1
143.5°	0.3	0.5	2.0	4.0	6.2	7.9	8.0
144°	0.3	0.5	2.0	4.1	6.2	7.8	8.0
144.5°	0.3	0.5	2.0	4.1	6.2	7.8	7.9
145°	0.3	0.5	2.1	4.2	6.2	7.8	7.8
145.5°	0.4	0.5	2.1	4.2	6.2	7.8	7.8
146°	0.4	0.6	2.2	4.2	6.2	7.7	7.7
146.5°	0.4	0.6	2.2	4.2	6.2	7.7	7.6
147°	0.4	0.6	2.2	4.2	6.2	7.6	7.6
147.5°	0.4	0.6	2.3	4.2	6.2	7.6	7.5
148°	0.5	0.7	2.3	4.3	6.2	7.6	7.5
148.5°	0.5	0.7	2.4	4.3	6.2	7.6	7.4
149°	0.5	0.7	2.4	4.3	6.2	7.5	7.4
149.5°	0.5	0.7	2.4	4.3	6.2	7.5	7.3
150°	0.5	0.8	2.4	4.4	6.2	7.5	7.3
150.5°	0.6	0.8	2.5	4.4	6.2	7.5	7.2
151°	0.6	0.9	2.5	4.4	6.2	7.4	7.1
151.5°	0.6	0.9	2.6	4.4	6.2	7.4	7.0
152°	0.6	0.9	2.6	4.5	6.2	7.4	7.0
152.5°	0.6	1.0	2.6	4.5	6.2	7.4	6.9
153°	0.7	1.0	2.7	4.5	6.2	7.3	6.8
153.5°	0.7	1.0	2.7	4.5	6.2	7.3	6.7
154°	0.7	1.1	2.8	4.6	6.2	7.3	6.7
154.5°	0.7	1.1	2.8	4.6	6.2	7.2	6.6
155°	0.8	1.2	2.9	4.6	6.2	7.2	6.5
155.5°	0.8	1.2	2.9	4.6	6.2	7.2	6.4
156°	0.8	1.3	2.9	4.6	6.2	7.1	6.4
156.5°	0.8	1.3	3.0	4.7	6.2	7.1	6.3
157°	0.9	1.3	3.0	4.7	6.2	7.0	6.2

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CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	0.9	1.4	3.1	4.7	6.2	7.0	6.2
158°	0.9	1.4	3.1	4.7	6.1	7.0	6.1
158.5°	0.9	1.5	3.1	4.7	6.1	6.9	6.0
159°	1.0	1.5	3.2	4.8	6.1	6.9	6.0
159.5°	1.0	1.6	3.2	4.8	6.1	6.8	5.9
160°	1.0	1.7	3.3	4.8	6.1	6.8	5.8
160.5°	1.1	1.7	3.3	4.8	6.1	6.7	5.7
161°	1.1	1.7	3.4	4.8	6.1	6.7	5.7
161.5°	1.1	1.8	3.4	4.9	6.1	6.7	5.6
162°	1.2	1.8	3.4	4.9	6.1	6.6	5.5
162.5°	1.2	1.9	3.5	4.9	6.1	6.6	5.4
163°	1.3	2.0	3.5	4.9	6.1	6.5	5.3
163.5°	1.3	2.0	3.6	4.9	6.0	6.5	5.2
164°	1.4	2.1	3.6	5.0	6.0	6.4	5.2
164.5°	1.4	2.1	3.6	5.0	6.0	6.4	5.1
165°	1.5	2.2	3.7	5.0	6.0	6.4	5.0
165.5°	1.5	2.3	3.7	5.0	6.0	6.3	4.9
166°	1.6	2.3	3.8	5.0	6.0	6.3	4.9
166.5°	1.6	2.4	3.8	5.0	5.9	6.3	4.8
167°	1.7	2.4	3.9	5.0	5.9	6.2	4.7
167.5°	1.7	2.5	3.9	5.1	5.9	6.2	4.7
168°	1.8	2.6	3.9	5.1	5.9	6.1	4.6
168.5°	1.9	2.6	4.0	5.1	5.9	6.1	4.5
169°	1.9	2.7	4.0	5.1	5.9	6.1	4.4
169.5°	2.0	2.8	4.1	5.1	5.9	6.0	4.4
170°	2.0	2.8	4.1	5.1	5.8	6.0	4.3
170.5°	2.1	2.9	4.1	5.1	5.8	5.9	4.2
171°	2.1	3.0	4.2	5.2	5.8	5.9	4.2
171.5°	2.2	3.0	4.2	5.2	5.8	5.8	4.1
172°	2.2	3.1	4.3	5.2	5.8	5.8	4.0
172.5°	2.3	3.1	4.3	5.2	5.7	5.7	3.9
173°	2.3	3.2	4.3	5.2	5.7	5.7	3.9
173.5°	2.4	3.3	4.4	5.2	5.7	5.6	3.8
174°	2.4	3.3	4.4	5.2	5.7	5.6	3.7
174.5°	2.4	3.4	4.4	5.2	5.6	5.5	3.7
175°	2.5	3.4	4.5	5.2	5.6	5.5	3.6
175.5°	2.5	3.5	4.5	5.2	5.6	5.4	3.6
176°	2.6	3.6	4.6	5.2	5.5	5.4	3.5
176.5°	2.6	3.6	4.6	5.2	5.5	5.4	3.4
177°	2.7	3.7	4.6	5.3	5.5	5.3	3.4
177.5°	2.7	3.7	4.7	5.3	5.5	5.2	3.3
178°	2.8	3.8	4.7	5.3	5.4	5.2	3.3
178.5°	2.9	3.8	4.8	5.3	5.4	5.1	3.2
179°	2.9	3.9	4.8	5.3	5.4	5.1	3.1
179.5°	3.0	4.0	4.8	5.3	5.3	5.0	3.1



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CATALOG NUMBER: AWP75S-BZ-LOW-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)