

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: P1197212

Luminaire Tested: AWPS75S-BZ-LOW-5000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LDS)
Test Lab: INNOVATION CENTER
Issue Date: 10/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: AWPS75S-BZ-LOW-5000K-POSITION 45
Description: AWP Architectural
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 7649.9 lumens
Efficiency: 78.7%
Efficacy: 138.3 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

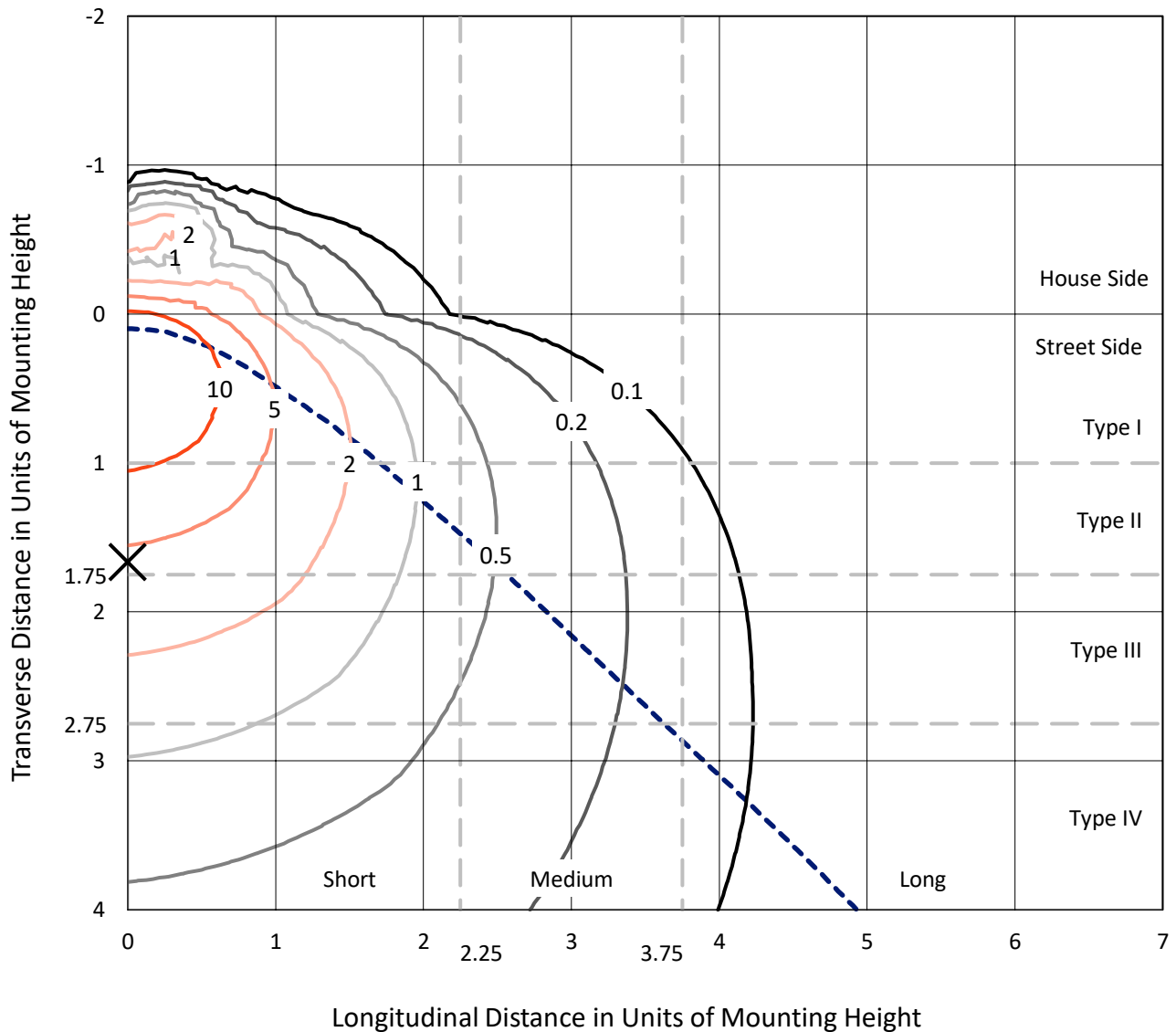
Input Watts (W): 55.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

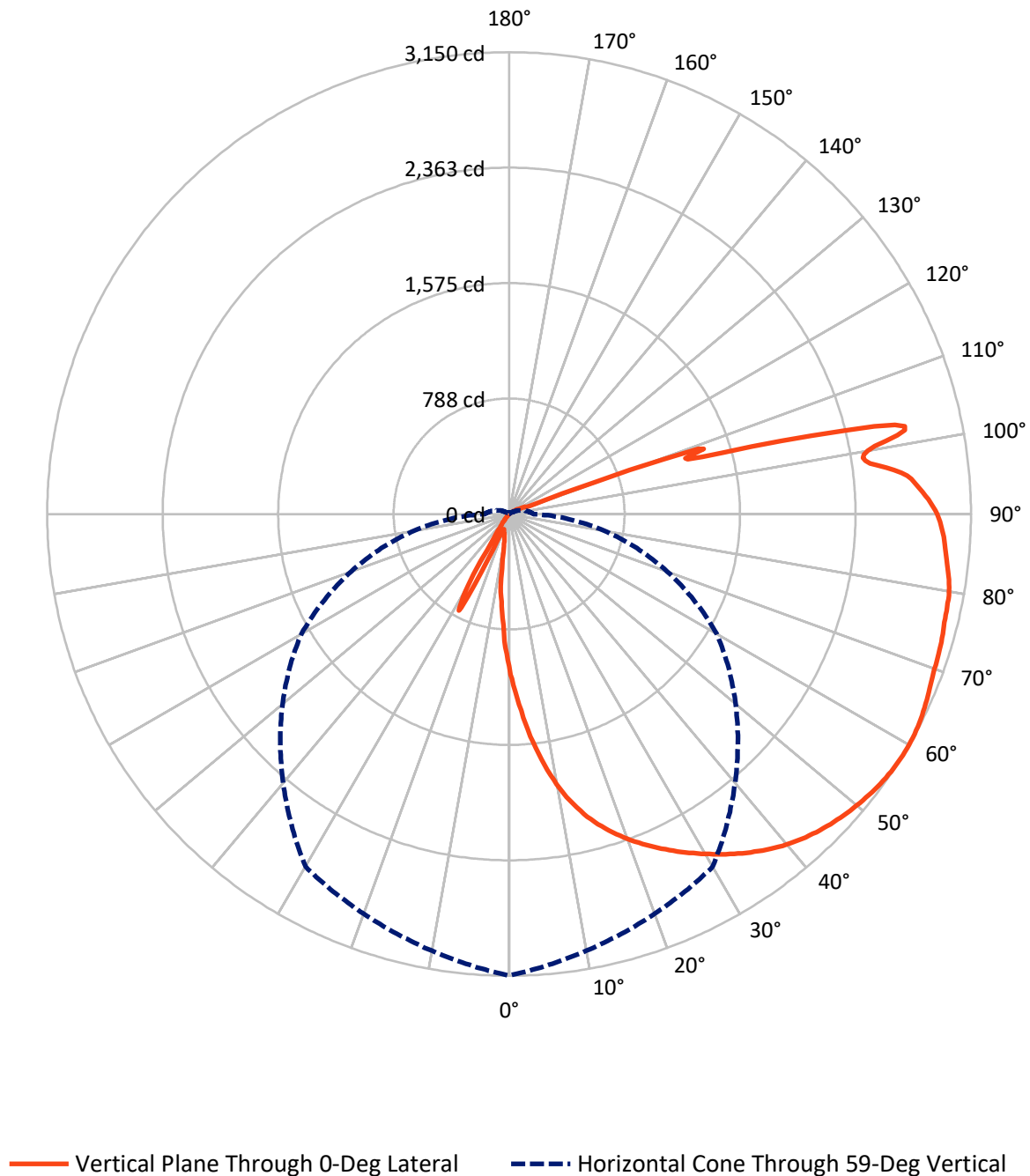


Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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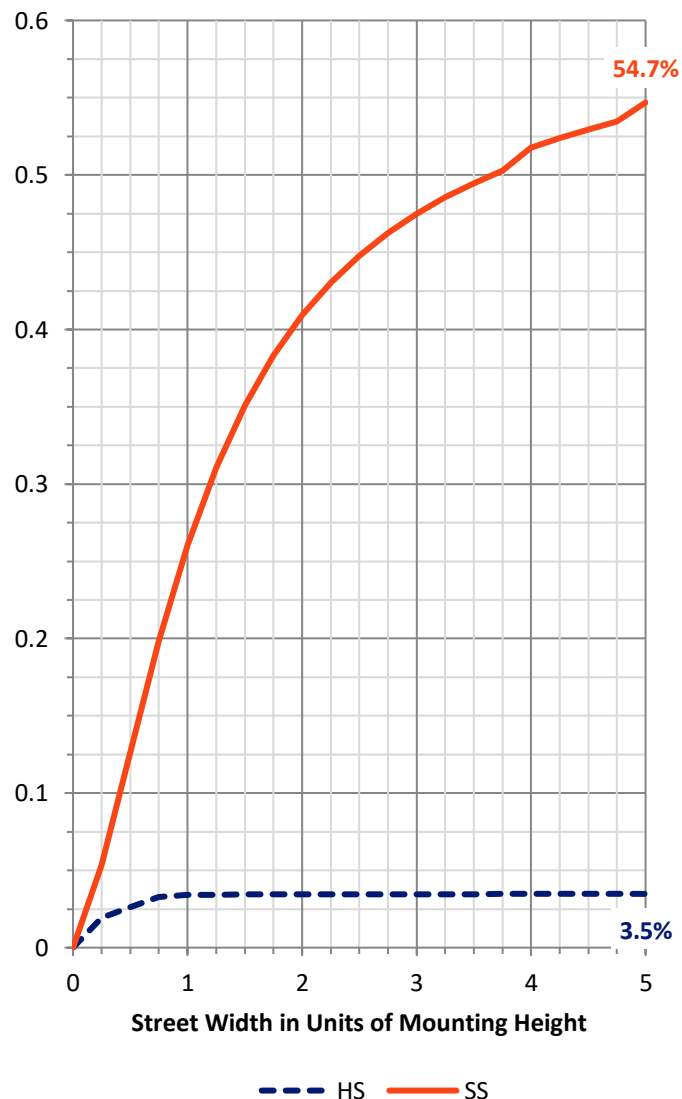
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.3	18.9	359.2
	% Lamp	3.5	0.2	3.7
Street Side	Lumens	6010.1	1280.6	7290.7
	% Lamp	61.8	13.2	75.0
Total	Lumens	6350.5	1299.5	7649.9
	% Lamp	65.3	13.4	78.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	103.7	1.4	1.1
10°-20°	303.9	4.0	3.1
20°-30°	524.6	6.9	5.4
30°-40°	745.6	9.7	7.7
40°-50°	846.5	11.1	8.7
50°-60°	937.7	12.3	9.6
60°-70°	986.9	12.9	10.2
70°-80°	981.5	12.8	10.1
80°-90°	920.1	12.0	9.5
90°-100°	854.3	11.2	8.8
100°-110°	405.6	5.3	4.2
110°-120°	25.1	0.3	0.3
120°-130°	5.6	0.1	0.1
130°-140°	3.0	0.0	0.0
140°-150°	2.4	0.0	0.0
150°-160°	1.9	0.0	0.0
160°-170°	1.2	0.0	0.0
170°-180°	0.4	0.0	0.0
0°-90°	6350.5	83.0	65.3
0°-180°	7649.9	100.0	78.7

Coefficient of Utilization



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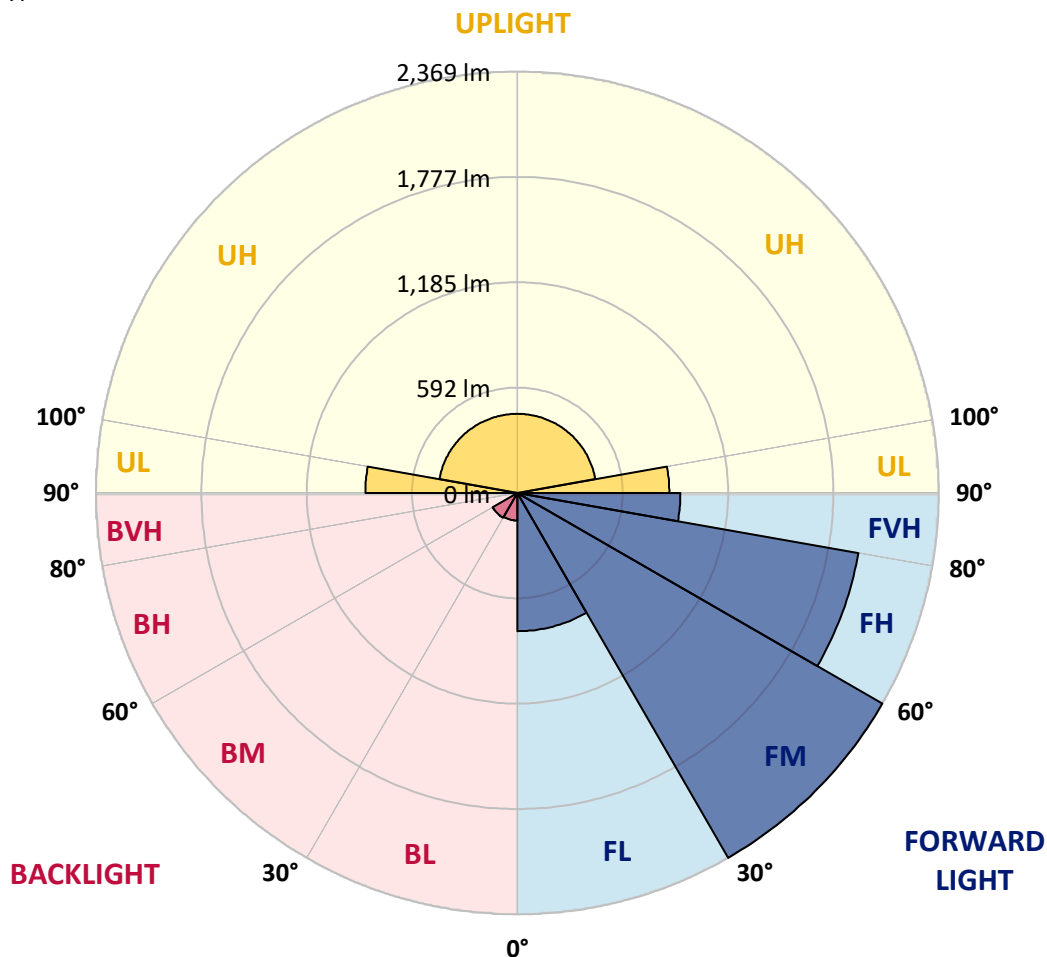
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.2	8.0			
FM	(30°-60°)	2369.3	24.4			
FH	(60°-80°)	1947.2	20.0			G2/5000
FVH	(80°-90°)	916.4	9.4			G5
BL	(0°-30°)	155.0	1.6	B1/500		
BM	(30°-60°)	160.5	1.7	B0/220		
BH	(60°-80°)	21.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	854.3	8.8		U4/1000	
UH	(100°-180°)	445.1	4.6		U3/500	
Trapped Light		2070.1	21.3			

BUG Rating: B1-U4-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2
0.5°	1124.1	1147.4	1133.8	1114.6	1079.8	1034.2	1037.8
1°	1167.4	1185.1	1156.0	1114.5	1058.1	996.8	996.2
1.5°	1211.6	1224.8	1178.3	1113.6	1036.5	962.0	953.0
2°	1255.7	1262.0	1199.3	1113.1	1015.3	925.3	912.7
2.5°	1301.5	1300.9	1221.1	1111.8	993.3	890.7	866.3
3°	1345.4	1339.7	1242.3	1110.4	970.9	850.8	811.4
3.5°	1391.4	1377.2	1263.2	1109.2	948.8	802.8	758.0
4°	1435.5	1416.2	1284.6	1107.5	926.2	755.5	710.5
4.5°	1479.9	1453.0	1305.7	1105.7	905.0	714.3	668.3
5°	1523.1	1491.4	1326.1	1103.5	884.7	677.5	633.0
5.5°	1565.0	1527.7	1346.3	1101.2	861.4	642.7	600.5
6°	1607.4	1562.7	1366.7	1098.4	836.1	613.1	570.5
6.5°	1647.9	1598.7	1386.3	1095.0	807.7	586.3	537.3
7°	1688.6	1633.3	1406.6	1091.6	777.7	560.0	495.5
7.5°	1728.1	1667.0	1426.1	1088.1	749.8	531.5	439.2
8°	1765.9	1700.6	1444.7	1084.5	722.5	495.9	375.6
8.5°	1803.2	1731.9	1463.4	1080.6	696.0	448.2	311.8
9°	1837.7	1763.5	1482.0	1076.4	670.2	394.9	259.4
9.5°	1872.3	1793.6	1499.4	1072.4	646.7	339.5	222.2
10°	1906.4	1822.9	1516.6	1067.9	624.1	286.0	206.3
10.5°	1938.7	1852.4	1534.6	1063.0	602.9	242.1	191.0
11°	1969.1	1879.6	1550.6	1058.1	583.5	210.7	176.2
11.5°	1999.2	1905.8	1567.0	1052.7	566.2	196.2	161.7
12°	2027.6	1931.7	1583.3	1047.3	549.5	182.9	154.5
12.5°	2055.0	1956.2	1598.4	1041.8	532.1	169.6	149.3
13°	2081.7	1980.0	1613.7	1035.7	514.2	156.3	145.8
13.5°	2107.5	2003.2	1628.6	1029.8	494.4	149.2	143.3
14°	2132.5	2025.2	1642.0	1023.0	464.5	143.6	141.3
14.5°	2156.5	2046.6	1655.4	1015.7	434.7	139.6	139.7
15°	2179.2	2067.0	1669.4	1009.0	405.0	137.1	138.2
15.5°	2200.9	2086.9	1682.3	1001.4	375.3	135.8	136.1
16°	2222.4	2105.8	1694.2	994.1	345.5	135.1	132.6
16.5°	2243.8	2124.3	1706.7	986.4	310.9	134.8	127.5
17°	2263.6	2142.1	1718.5	978.3	277.1	134.8	122.1
17.5°	2284.0	2159.2	1729.5	970.6	248.3	135.1	117.4
18°	2303.3	2175.3	1739.9	962.2	222.7	135.7	112.5
18.5°	2321.8	2191.5	1750.1	953.6	201.8	136.0	109.0
19°	2340.3	2206.1	1759.8	946.1	186.5	135.3	108.3
19.5°	2357.9	2221.0	1769.6	937.4	174.7	133.4	108.8
20°	2375.8	2236.2	1779.3	929.3	165.6	130.1	109.6
20.5°	2393.4	2249.6	1787.6	920.9	158.9	126.1	111.2
21°	2411.0	2263.0	1795.9	912.6	153.5	119.6	114.0
21.5°	2427.4	2276.8	1803.9	903.7	149.4	114.7	122.1
22°	2443.6	2289.6	1811.3	895.1	146.4	112.6	136.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	2460.4	2301.9	1818.2	886.5	144.4	111.5	148.8
23°	2476.6	2314.7	1825.0	877.1	143.2	110.8	155.6
23.5°	2492.4	2327.7	1831.0	868.0	142.4	110.3	162.0
24°	2508.2	2339.0	1836.4	858.3	142.0	109.1	175.9
24.5°	2524.4	2350.7	1842.4	848.0	141.3	108.0	205.8
25°	2539.7	2362.2	1847.3	838.7	140.5	108.9	257.7
25.5°	2556.0	2373.3	1852.1	828.9	139.7	113.0	348.0
26°	2571.7	2384.6	1856.4	818.8	139.1	119.4	439.9
26.5°	2586.8	2395.9	1860.1	808.6	138.6	128.1	532.0
27°	2602.3	2406.9	1863.8	799.2	138.5	142.8	624.3
27.5°	2617.3	2418.4	1867.2	789.3	138.8	165.5	716.5
28°	2632.7	2429.4	1869.8	779.2	139.0	183.6	741.9
28.5°	2648.4	2439.8	1872.0	769.4	138.7	195.2	726.1
29°	2664.0	2450.3	1874.4	758.9	137.9	208.9	686.4
29.5°	2678.3	2461.4	1876.4	748.9	136.9	232.7	646.0
30°	2693.1	2471.9	1878.1	739.5	136.5	270.8	604.7
30.5°	2708.7	2482.4	1879.3	729.8	136.8	322.2	559.2
31°	2723.3	2492.9	1880.5	720.1	137.2	372.7	478.8
31.5°	2737.4	2502.6	1881.1	712.2	137.6	422.7	377.3
32°	2752.4	2512.7	1881.3	703.9	138.1	473.0	289.7
32.5°	2766.2	2523.4	1881.9	695.9	138.7	523.9	218.4
33°	2780.4	2533.7	1881.7	688.9	139.3	576.2	190.2
33.5°	2794.7	2543.9	1881.4	681.8	138.2	574.6	163.7
34°	2808.8	2553.7	1881.0	673.8	136.5	558.2	136.7
34.5°	2822.2	2563.9	1879.8	666.1	133.7	529.1	109.6
35°	2835.1	2573.1	1878.5	657.3	129.9	499.0	99.5
35.5°	2848.1	2583.1	1877.1	647.6	127.2	472.8	90.6
36°	2860.7	2591.8	1875.1	637.9	124.7	445.6	82.3
36.5°	2873.6	2601.1	1873.0	625.9	122.0	416.0	74.6
37°	2885.9	2610.1	1870.9	612.4	119.2	379.4	67.1
37.5°	2897.9	2619.3	1868.3	599.2	116.5	345.1	60.6
38°	2909.5	2627.9	1865.6	585.1	113.6	310.2	54.5
38.5°	2921.4	2635.9	1862.4	570.9	110.7	270.5	48.7
39°	2933.1	2644.0	1859.4	557.0	107.8	230.2	43.5
39.5°	2943.8	2652.2	1856.4	544.0	105.0	204.6	38.7
40°	2954.4	2659.9	1852.5	530.1	101.6	179.7	34.1
40.5°	2964.1	2667.8	1849.0	517.2	98.2	154.9	29.8
41°	2973.8	2675.2	1845.3	503.9	95.2	130.1	26.1
41.5°	2983.1	2682.6	1841.5	489.9	92.7	105.2	22.3
42°	2992.0	2689.5	1837.4	475.7	90.6	92.1	18.8
42.5°	3000.7	2696.6	1832.8	461.8	88.6	81.0	15.7
43°	3009.0	2703.2	1827.7	445.9	86.6	70.7	13.2
43.5°	3016.8	2709.7	1823.1	430.4	84.6	62.0	11.8
44°	3024.4	2715.8	1818.4	415.0	82.8	53.9	10.8
44.5°	3031.6	2721.6	1813.3	398.6	80.8	46.9	9.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3039.2	2727.3	1808.1	381.2	78.8	40.0	9.0
45.5°	3046.0	2732.2	1802.8	364.4	76.3	31.9	8.1
46°	3052.6	2736.7	1797.7	346.4	74.5	26.1	7.4
46.5°	3059.1	2741.1	1792.4	329.5	72.8	21.1	6.8
47°	3064.8	2745.4	1787.0	312.9	71.1	14.2	6.0
47.5°	3071.3	2749.4	1781.4	297.5	69.5	8.7	5.0
48°	3077.0	2753.0	1776.0	282.8	68.0	7.5	4.4
48.5°	3083.0	2756.4	1770.4	269.9	66.5	7.1	4.0
49°	3089.2	2759.7	1764.5	258.0	64.8	6.9	3.6
49.5°	3094.2	2762.7	1758.5	247.7	63.2	6.7	3.3
50°	3099.5	2765.7	1752.5	239.2	61.3	6.5	3.1
50.5°	3104.6	2768.7	1746.3	231.3	59.3	6.2	2.9
51°	3109.1	2770.9	1740.2	224.2	57.2	5.9	2.9
51.5°	3113.7	2773.2	1733.6	217.8	55.1	5.4	2.8
52°	3118.5	2775.0	1727.0	212.8	52.9	4.8	2.7
52.5°	3122.7	2777.0	1721.0	207.8	50.6	4.4	2.7
53°	3126.7	2778.9	1714.9	202.8	48.3	4.0	2.7
53.5°	3130.1	2780.5	1708.6	197.9	46.1	3.7	2.7
54°	3134.4	2781.8	1702.6	194.6	44.2	3.4	2.6
54.5°	3137.5	2782.8	1696.7	191.6	42.6	3.2	2.6
55°	3140.5	2783.5	1690.4	188.8	41.0	3.0	2.6
55.5°	3142.8	2784.0	1683.8	186.0	39.5	2.8	2.6
56°	3144.8	2783.8	1677.3	183.5	37.8	2.7	2.6
56.5°	3146.8	2783.4	1671.3	180.9	36.0	2.6	2.7
57°	3148.2	2783.1	1664.7	178.0	33.8	2.5	2.7
57.5°	3149.0	2782.3	1657.7	175.3	31.4	2.4	2.7
58°	3149.9	2781.1	1650.8	172.6	28.5	2.4	2.8
58.5°	3150.2	2779.9	1643.6	170.0	25.7	2.3	2.9
59°	3150.4	2778.2	1635.6	167.5	22.8	2.2	2.9
59.5°	3149.9	2776.5	1628.0	164.8	20.0	2.2	3.0
60°	3149.2	2774.0	1620.3	162.3	17.3	2.2	3.1
60.5°	3148.3	2770.8	1611.8	159.7	14.7	2.2	3.1
61°	3146.5	2767.6	1602.8	157.3	12.1	2.2	3.2
61.5°	3144.6	2764.6	1594.3	154.8	9.7	2.2	3.2
62°	3142.5	2761.8	1585.2	152.3	7.4	2.2	3.3
62.5°	3139.8	2758.1	1575.7	149.8	5.2	2.2	3.4
63°	3136.9	2754.0	1566.1	147.4	4.2	2.2	3.4
63.5°	3133.8	2750.5	1556.1	145.0	3.7	2.3	3.5
64°	3130.0	2746.5	1545.7	142.7	3.5	2.3	3.6
64.5°	3126.8	2741.8	1535.8	140.4	3.4	2.4	3.7
65°	3122.9	2737.1	1526.0	138.2	3.4	2.4	3.8
65.5°	3118.6	2732.4	1515.6	135.9	3.3	2.5	3.9
66°	3114.3	2727.0	1505.9	133.7	3.2	2.5	4.0
66.5°	3110.5	2722.8	1495.9	131.4	3.0	2.6	4.1
67°	3106.3	2717.0	1485.8	129.0	2.9	2.7	4.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3102.7	2711.2	1476.6	126.4	2.8	2.8	4.3
68°	3098.7	2706.1	1467.6	123.9	2.7	2.8	4.3
68.5°	3095.3	2700.1	1458.2	121.2	2.7	2.9	4.4
69°	3091.7	2695.0	1449.2	118.5	2.7	3.0	4.5
69.5°	3088.9	2689.9	1440.4	115.8	2.7	3.1	4.6
70°	3086.2	2685.3	1431.4	112.9	2.7	3.2	4.7
70.5°	3084.0	2680.1	1422.4	110.0	2.7	3.2	4.8
71°	3082.3	2675.7	1413.2	107.0	2.7	3.3	4.9
71.5°	3080.7	2670.9	1403.1	103.8	2.7	3.4	5.0
72°	3078.9	2666.2	1393.6	100.7	2.7	3.5	5.1
72.5°	3076.5	2661.5	1383.3	97.2	2.7	3.6	5.2
73°	3074.5	2656.0	1371.1	93.5	2.7	3.6	5.3
73.5°	3071.8	2650.5	1359.5	89.4	2.7	3.7	5.4
74°	3069.1	2645.1	1347.2	84.7	2.7	3.8	5.5
74.5°	3065.5	2638.3	1333.8	80.0	2.7	3.9	5.6
75°	3062.4	2632.0	1320.9	75.3	2.7	4.0	5.7
75.5°	3060.0	2625.8	1307.9	70.5	2.7	4.1	5.8
76°	3058.4	2620.4	1294.6	65.7	2.8	4.1	5.9
76.5°	3056.8	2615.0	1281.3	61.3	2.8	4.2	6.0
77°	3055.6	2610.5	1267.8	57.1	2.8	4.3	6.1
77.5°	3054.4	2606.9	1253.3	53.0	2.9	4.4	6.1
78°	3052.8	2603.6	1239.9	49.4	2.9	4.5	6.2
78.5°	3051.8	2600.4	1226.9	45.7	2.9	4.6	6.3
79°	3050.2	2597.1	1213.1	42.2	3.0	4.6	6.4
79.5°	3047.6	2592.8	1199.0	38.8	3.0	4.7	6.5
80°	3043.7	2588.7	1183.6	35.4	3.1	4.8	6.5
80.5°	3038.3	2583.0	1165.2	32.2	3.1	4.9	6.6
81°	3032.5	2577.1	1144.2	29.3	3.2	5.0	6.7
81.5°	3026.3	2569.9	1123.8	26.5	3.2	5.0	6.8
82°	3019.1	2563.0	1103.8	24.0	3.3	5.1	6.8
82.5°	3012.9	2555.5	1083.7	21.8	3.3	5.2	6.9
83°	3006.9	2549.4	1063.5	19.7	3.4	5.2	7.0
83.5°	3001.0	2544.2	1043.3	17.7	3.4	5.3	7.1
84°	2995.6	2541.0	1025.4	16.0	3.5	5.4	7.1
84.5°	2989.7	2537.6	1007.5	14.3	3.5	5.4	7.2
85°	2983.7	2535.4	990.2	12.8	3.5	5.5	7.2
85.5°	2979.2	2532.0	972.5	11.5	3.6	5.6	7.3
86°	2973.8	2528.7	956.4	10.2	3.6	5.6	7.4
86.5°	2968.5	2526.0	941.4	9.0	3.7	5.7	7.4
87°	2962.0	2523.9	927.4	7.9	3.7	5.8	7.5
87.5°	2954.8	2521.3	913.0	6.9	3.7	5.8	7.5
88°	2947.4	2519.3	901.7	5.8	3.8	5.9	7.6
88.5°	2940.6	2517.3	890.7	4.9	3.8	5.9	7.6
89°	2931.3	2514.5	880.7	4.1	3.8	6.0	7.7
89.5°	2919.8	2511.0	871.6	3.5	3.9	6.0	7.8

REPORT NUMBER: P1197212

CATALOG NUMBER: AWPS75S-BZ-LOW-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	2907.8	2507.2	864.8	2.8	3.9	6.1	7.8
90.5°	2893.0	2504.2	860.0	2.4	4.0	6.1	7.9
91°	2877.1	2502.0	854.5	2.3	4.0	6.2	7.9
91.5°	2860.9	2499.2	852.1	2.2	4.0	6.2	8.0
92°	2843.3	2496.0	852.5	2.2	4.1	6.3	8.0
92.5°	2825.0	2492.1	856.9	2.2	4.1	6.4	8.0
93°	2806.8	2488.6	865.3	2.1	4.1	6.5	8.0
93.5°	2789.4	2486.2	881.8	2.1	4.2	6.5	8.1
94°	2771.0	2484.2	906.6	2.1	4.2	6.6	8.1
94.5°	2753.2	2479.1	930.1	2.1	4.2	6.7	8.1
95°	2729.2	2469.1	947.3	2.0	4.3	6.7	8.2
95.5°	2691.3	2450.5	951.3	2.0	4.3	6.7	8.2
96°	2643.3	2431.1	942.4	2.0	4.3	6.8	8.2
96.5°	2592.4	2420.2	928.5	2.0	4.4	6.8	8.3
97°	2535.1	2431.6	914.7	1.9	4.4	6.9	8.3
97.5°	2485.4	2452.5	891.2	1.9	4.4	6.9	8.3
98°	2456.2	2490.2	854.0	1.9	4.5	7.0	8.3
98.5°	2445.1	2525.3	796.2	1.9	4.5	7.1	8.4
99°	2453.4	2542.6	713.7	1.9	4.6	7.1	8.4
99.5°	2483.0	2523.3	629.9	1.9	4.6	7.2	8.4
100°	2537.3	2454.4	546.1	1.9	4.6	7.2	8.4
100.5°	2619.1	2318.3	462.3	1.9	4.7	7.3	8.5
101°	2701.4	2125.7	378.5	1.9	4.7	7.3	8.5
101.5°	2759.2	1894.5	295.8	1.9	4.7	7.3	8.5
102°	2763.2	1668.8	232.4	1.9	4.8	7.4	8.5
102.5°	2701.8	1476.7	175.2	1.9	4.8	7.4	8.5
103°	2562.6	1318.1	143.4	1.9	4.8	7.4	8.6
103.5°	2358.6	1197.7	133.5	1.9	4.9	7.5	8.6
104°	2127.6	1149.2	138.0	1.9	4.9	7.5	8.6
104.5°	1920.6	1184.4	150.9	1.9	4.9	7.5	8.6
105°	1717.0	1280.2	154.4	1.9	5.0	7.5	8.6
105.5°	1519.0	1362.0	152.4	1.9	5.0	7.6	8.6
106°	1375.5	1335.1	149.2	1.9	5.0	7.6	8.7
106.5°	1272.7	1170.4	145.0	1.9	5.0	7.6	8.7
107°	1261.3	894.7	137.6	1.9	5.1	7.6	8.7
107.5°	1328.1	604.4	123.2	2.0	5.1	7.6	8.7
108°	1398.7	351.8	96.6	2.0	5.1	7.7	8.7
108.5°	1362.4	200.2	76.0	2.0	5.1	7.7	8.7
109°	1118.7	168.8	65.4	2.0	5.2	7.7	8.7
109.5°	875.2	143.2	54.4	2.1	5.2	7.7	8.7
110°	631.7	117.4	38.7	2.1	5.2	7.7	8.7
110.5°	388.2	91.7	26.8	2.1	5.2	7.7	8.7
111°	154.7	91.4	22.7	2.1	5.2	7.7	8.7
111.5°	125.4	91.1	18.9	2.1	5.3	7.8	8.7
112°	120.1	87.5	15.4	2.2	5.3	7.8	8.8

REPORT NUMBER: P1197212

CATALOG NUMBER: AWPS75S-BZ-LOW-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	119.3	78.5	12.3	2.2	5.3	7.8	8.8
113°	120.8	71.2	10.1	2.2	5.3	7.8	8.8
113.5°	120.7	66.3	8.4	2.2	5.4	7.8	8.8
114°	118.5	60.3	7.1	2.2	5.4	7.8	8.8
114.5°	111.4	53.3	6.1	2.3	5.4	7.8	8.8
115°	101.4	48.2	5.2	2.3	5.4	7.8	8.8
115.5°	93.9	45.6	4.3	2.3	5.4	7.8	8.8
116°	89.7	44.1	3.7	2.3	5.4	7.8	8.8
116.5°	83.2	43.3	3.2	2.4	5.5	7.8	8.8
117°	75.1	43.1	2.9	2.4	5.5	7.9	8.8
117.5°	69.6	42.8	2.6	2.4	5.5	7.9	8.8
118°	66.8	41.8	2.4	2.4	5.5	7.9	8.8
118.5°	65.6	39.7	2.2	2.5	5.5	7.9	8.8
119°	63.9	36.4	2.0	2.5	5.5	7.9	8.8
119.5°	61.8	32.9	1.9	2.5	5.6	7.9	8.8
120°	59.3	29.0	1.7	2.5	5.6	7.9	8.8
120.5°	56.4	23.8	1.6	2.6	5.6	7.9	8.8
121°	52.6	17.4	1.5	2.6	5.6	7.9	8.7
121.5°	47.7	11.7	1.4	2.6	5.6	7.9	8.7
122°	41.9	7.7	1.3	2.7	5.6	7.9	8.7
122.5°	36.6	6.0	1.3	2.7	5.6	7.9	8.7
123°	31.5	5.0	1.2	2.7	5.7	7.9	8.7
123.5°	25.7	4.2	1.1	2.7	5.7	7.9	8.6
124°	19.9	3.3	1.0	2.8	5.7	7.9	8.6
124.5°	15.0	2.6	0.9	2.8	5.7	7.9	8.6
125°	12.2	1.8	0.9	2.8	5.7	7.9	8.6
125.5°	10.2	1.3	0.9	2.8	5.7	7.9	8.6
126°	7.4	1.0	0.9	2.9	5.7	7.9	8.6
126.5°	4.8	0.8	0.9	2.9	5.7	7.9	8.6
127°	3.6	0.7	0.9	2.9	5.8	7.9	8.5
127.5°	2.8	0.6	0.8	2.9	5.8	7.9	8.5
128°	2.1	0.6	0.8	3.0	5.8	7.9	8.5
128.5°	1.7	0.6	0.8	3.0	5.8	7.9	8.5
129°	1.2	0.5	0.9	3.1	5.8	7.9	8.4
129.5°	0.7	0.5	0.9	3.1	5.8	7.9	8.4
130°	0.6	0.5	0.9	3.1	5.8	7.9	8.4
130.5°	0.6	0.5	0.9	3.1	5.8	7.9	8.4
131°	0.5	0.5	1.0	3.2	5.8	7.8	8.3
131.5°	0.5	0.5	1.0	3.2	5.9	7.8	8.3
132°	0.5	0.4	1.0	3.2	5.9	7.8	8.3
132.5°	0.5	0.4	1.0	3.2	5.9	7.8	8.2
133°	0.5	0.4	1.1	3.3	5.9	7.8	8.2
133.5°	0.4	0.4	1.1	3.3	5.9	7.8	8.2
134°	0.4	0.4	1.1	3.3	5.9	7.8	8.2
134.5°	0.4	0.4	1.2	3.3	5.9	7.8	8.2

REPORT NUMBER: P1197212

CATALOG NUMBER: AWPS75S-BZ-LOW-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.4	0.4	1.2	3.4	5.9	7.7	8.2
135.5°	0.4	0.4	1.2	3.4	5.9	7.7	8.1
136°	0.3	0.4	1.3	3.4	5.9	7.7	8.1
136.5°	0.3	0.4	1.3	3.4	5.9	7.7	8.1
137°	0.3	0.4	1.3	3.5	5.9	7.7	8.1
137.5°	0.3	0.4	1.4	3.5	5.9	7.7	8.1
138°	0.3	0.4	1.4	3.5	5.9	7.6	8.0
138.5°	0.3	0.4	1.5	3.5	5.9	7.6	8.0
139°	0.3	0.4	1.5	3.6	5.9	7.6	8.0
139.5°	0.3	0.4	1.5	3.6	5.9	7.6	7.9
140°	0.3	0.4	1.6	3.6	5.9	7.6	7.9
140.5°	0.3	0.4	1.6	3.6	5.9	7.6	7.8
141°	0.3	0.4	1.7	3.7	5.9	7.5	7.8
141.5°	0.3	0.4	1.7	3.7	5.9	7.5	7.7
142°	0.3	0.4	1.7	3.7	5.9	7.5	7.7
142.5°	0.3	0.4	1.8	3.7	5.9	7.5	7.6
143°	0.3	0.4	1.8	3.8	5.9	7.4	7.6
143.5°	0.3	0.4	1.8	3.8	5.9	7.4	7.5
144°	0.3	0.4	1.9	3.8	5.9	7.4	7.5
144.5°	0.3	0.5	1.9	3.9	5.9	7.3	7.4
145°	0.3	0.5	1.9	3.9	5.8	7.3	7.4
145.5°	0.3	0.5	2.0	3.9	5.8	7.3	7.3
146°	0.4	0.5	2.0	3.9	5.8	7.2	7.2
146.5°	0.4	0.5	2.1	3.9	5.8	7.2	7.2
147°	0.4	0.6	2.1	4.0	5.8	7.2	7.1
147.5°	0.4	0.6	2.1	4.0	5.8	7.2	7.1
148°	0.4	0.6	2.2	4.0	5.8	7.1	7.0
148.5°	0.4	0.7	2.2	4.0	5.8	7.1	7.0
149°	0.5	0.7	2.3	4.1	5.8	7.1	6.9
149.5°	0.5	0.7	2.3	4.1	5.8	7.0	6.9
150°	0.5	0.7	2.3	4.1	5.8	7.0	6.8
150.5°	0.5	0.8	2.3	4.1	5.8	7.0	6.7
151°	0.5	0.8	2.4	4.1	5.8	7.0	6.7
151.5°	0.6	0.8	2.4	4.2	5.8	7.0	6.6
152°	0.6	0.9	2.4	4.2	5.8	6.9	6.5
152.5°	0.6	0.9	2.5	4.2	5.8	6.9	6.5
153°	0.6	0.9	2.5	4.2	5.8	6.9	6.4
153.5°	0.6	1.0	2.6	4.2	5.8	6.9	6.3
154°	0.7	1.0	2.6	4.3	5.8	6.8	6.3
154.5°	0.7	1.1	2.6	4.3	5.8	6.8	6.2
155°	0.7	1.1	2.7	4.3	5.8	6.8	6.1
155.5°	0.7	1.1	2.7	4.4	5.8	6.7	6.0
156°	0.8	1.2	2.8	4.4	5.8	6.7	6.0
156.5°	0.8	1.2	2.8	4.4	5.8	6.6	5.9
157°	0.8	1.3	2.8	4.4	5.8	6.6	5.8

REPORT NUMBER: P1197212

CATALOG NUMBER: AWPS75S-BZ-LOW-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	0.8	1.3	2.9	4.4	5.8	6.6	5.8
158°	0.8	1.4	2.9	4.4	5.8	6.5	5.7
158.5°	0.9	1.4	3.0	4.5	5.8	6.5	5.7
159°	0.9	1.4	3.0	4.5	5.7	6.5	5.6
159.5°	0.9	1.5	3.0	4.5	5.7	6.4	5.5
160°	1.0	1.6	3.1	4.5	5.7	6.4	5.5
160.5°	1.0	1.6	3.1	4.5	5.7	6.3	5.4
161°	1.0	1.6	3.2	4.6	5.7	6.3	5.3
161.5°	1.1	1.7	3.2	4.6	5.7	6.2	5.2
162°	1.1	1.7	3.2	4.6	5.7	6.2	5.2
162.5°	1.2	1.8	3.3	4.6	5.7	6.2	5.1
163°	1.2	1.8	3.3	4.6	5.7	6.1	5.0
163.5°	1.2	1.9	3.4	4.6	5.7	6.1	4.9
164°	1.3	2.0	3.4	4.7	5.7	6.1	4.8
164.5°	1.3	2.0	3.4	4.7	5.7	6.0	4.8
165°	1.4	2.1	3.5	4.7	5.6	6.0	4.7
165.5°	1.5	2.1	3.5	4.7	5.6	5.9	4.6
166°	1.5	2.2	3.5	4.7	5.6	5.9	4.6
166.5°	1.5	2.2	3.6	4.7	5.6	5.9	4.5
167°	1.6	2.3	3.6	4.7	5.6	5.8	4.5
167.5°	1.6	2.4	3.7	4.8	5.6	5.8	4.4
168°	1.7	2.4	3.7	4.8	5.5	5.8	4.3
168.5°	1.7	2.5	3.7	4.8	5.5	5.7	4.2
169°	1.8	2.5	3.8	4.8	5.5	5.7	4.2
169.5°	1.8	2.6	3.8	4.8	5.5	5.7	4.1
170°	1.9	2.7	3.9	4.8	5.5	5.6	4.0
170.5°	1.9	2.7	3.9	4.8	5.5	5.6	4.0
171°	2.0	2.8	3.9	4.8	5.4	5.5	3.9
171.5°	2.0	2.8	4.0	4.9	5.4	5.5	3.9
172°	2.1	2.9	4.0	4.9	5.4	5.4	3.8
172.5°	2.1	3.0	4.0	4.9	5.4	5.4	3.7
173°	2.2	3.0	4.1	4.9	5.3	5.3	3.6
173.5°	2.2	3.1	4.1	4.9	5.3	5.3	3.6
174°	2.3	3.1	4.1	4.9	5.3	5.3	3.5
174.5°	2.3	3.2	4.2	4.9	5.3	5.2	3.4
175°	2.3	3.2	4.2	4.9	5.3	5.2	3.4
175.5°	2.4	3.3	4.2	4.9	5.2	5.1	3.3
176°	2.4	3.3	4.3	4.9	5.2	5.1	3.3
176.5°	2.5	3.4	4.3	4.9	5.2	5.0	3.2
177°	2.5	3.5	4.4	4.9	5.2	5.0	3.2
177.5°	2.6	3.5	4.4	5.0	5.1	4.9	3.1
178°	2.6	3.6	4.4	5.0	5.1	4.9	3.1
178.5°	2.7	3.6	4.5	5.0	5.1	4.8	3.0
179°	2.7	3.7	4.5	5.0	5.1	4.8	3.0
179.5°	2.8	3.7	4.5	5.0	5.0	4.7	2.9



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CATALOG NUMBER: AWPS75S-BZ-LOW-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)