

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: P1197209

Luminaire Tested: AWPS75S-BZ-LOW-4000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197209
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: AWPS75S-BZ-LOW-4000K-POSITION 45
Description: AWP Architectural
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 8011.9 lumens
Efficiency: 82.4%
Efficacy: 147.5 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): 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

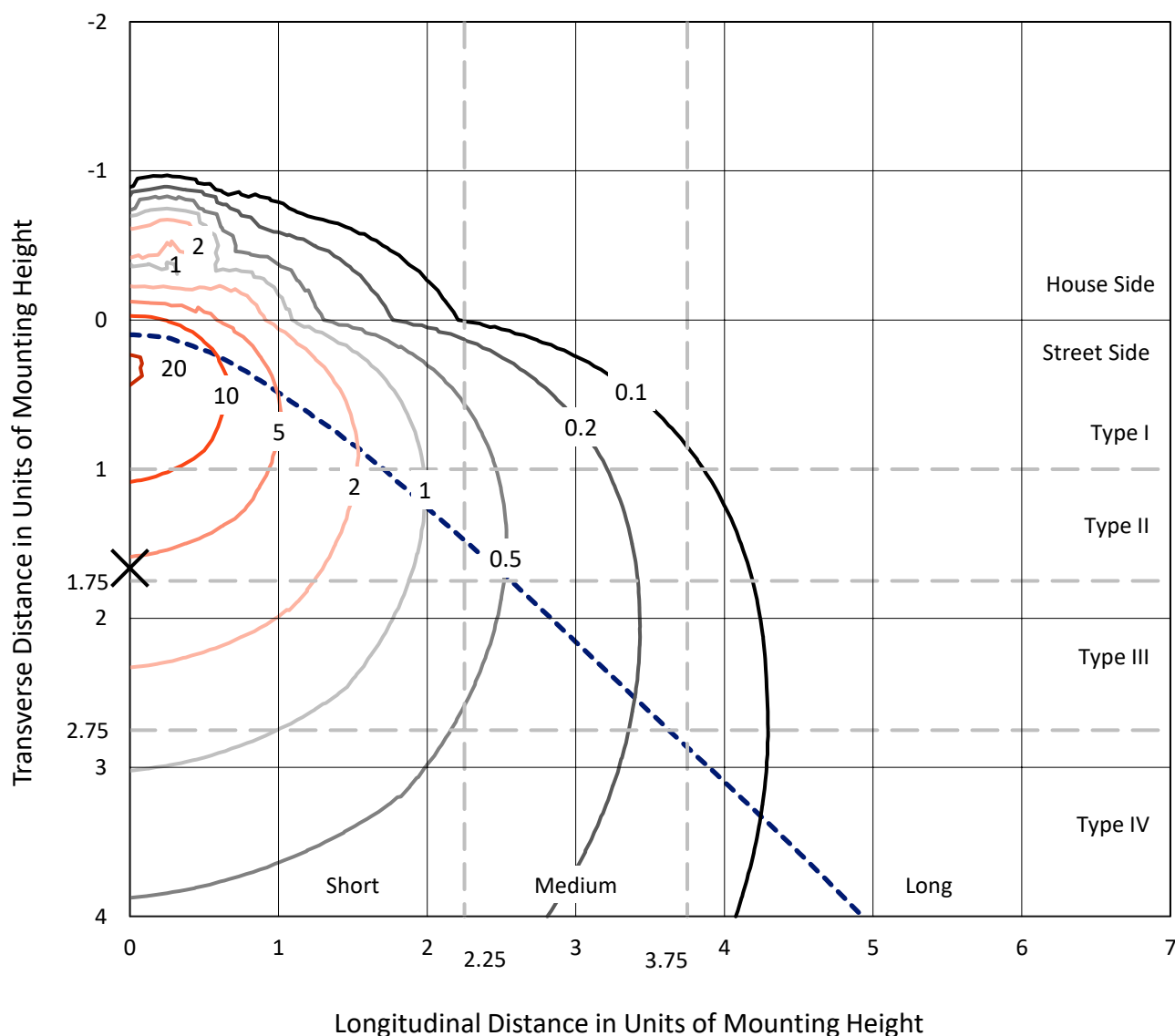
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

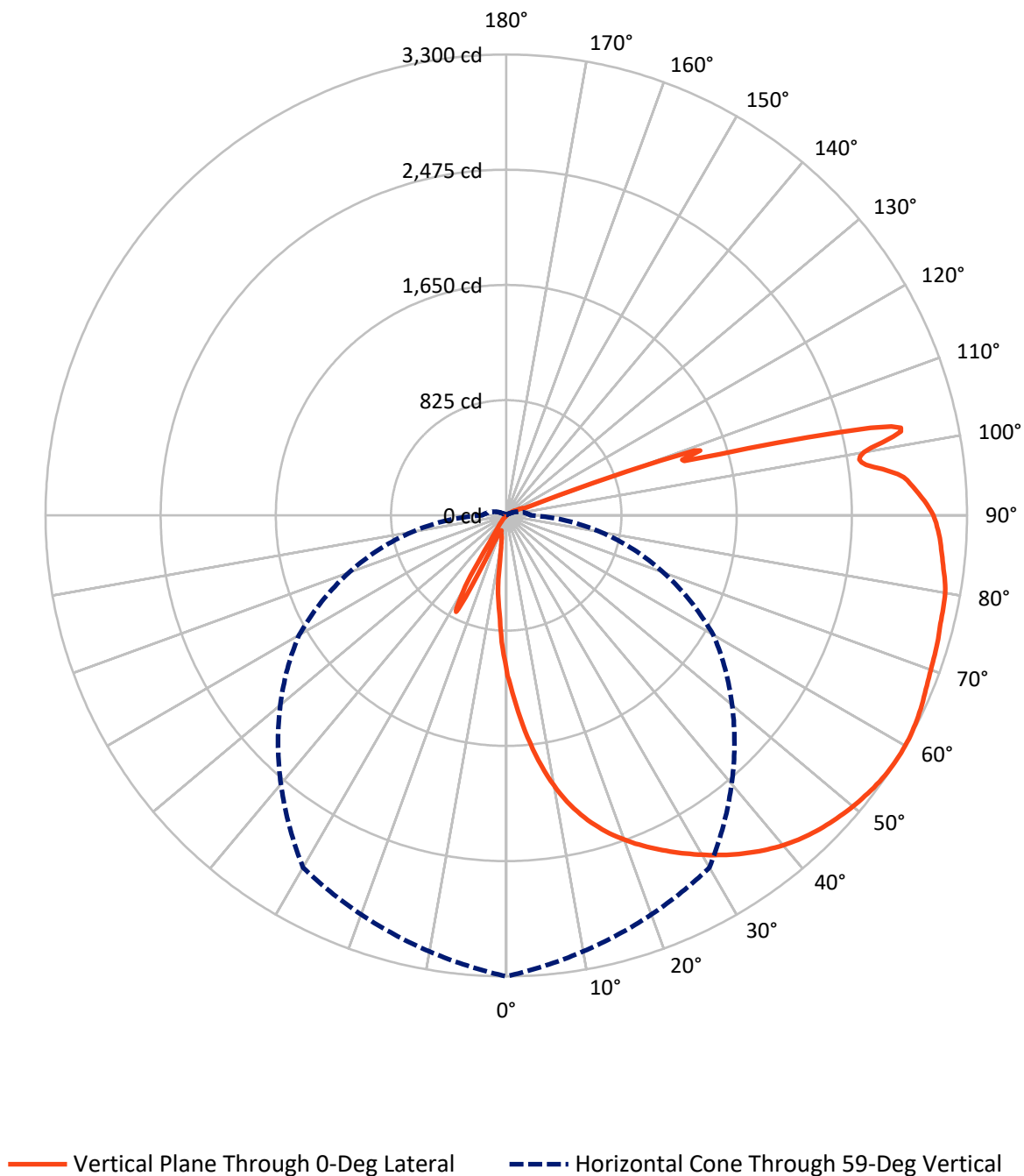


Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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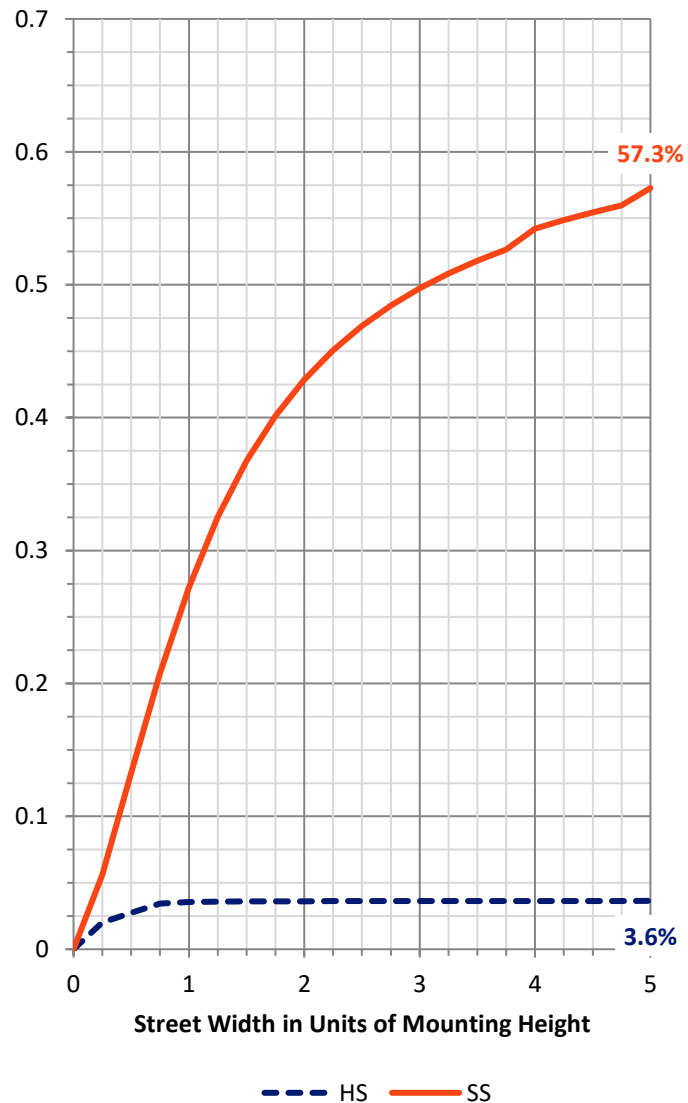
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.4	19.8	376.2
	% Lamp	3.7	0.2	3.9
Street Side	Lumens	6294.5	1341.2	7635.7
	% Lamp	64.8	13.8	78.6
Total	Lumens	6651.0	1360.9	8011.9
	% Lamp	68.4	14.0	82.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	108.6	1.4	1.1
10°-20°	318.3	4.0	3.3
20°-30°	549.5	6.9	5.7
30°-40°	780.8	9.7	8.0
40°-50°	886.6	11.1	9.1
50°-60°	982.0	12.3	10.1
60°-70°	1033.6	12.9	10.6
70°-80°	1027.9	12.8	10.6
80°-90°	963.6	12.0	9.9
90°-100°	894.8	11.2	9.2
100°-110°	424.7	5.3	4.4
110°-120°	26.3	0.3	0.3
120°-130°	5.9	0.1	0.1
130°-140°	3.1	0.0	0.0
140°-150°	2.6	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°	6651.0	83.0	68.4
0°-180°	8011.9	100.0	82.4

Coefficient of Utilization



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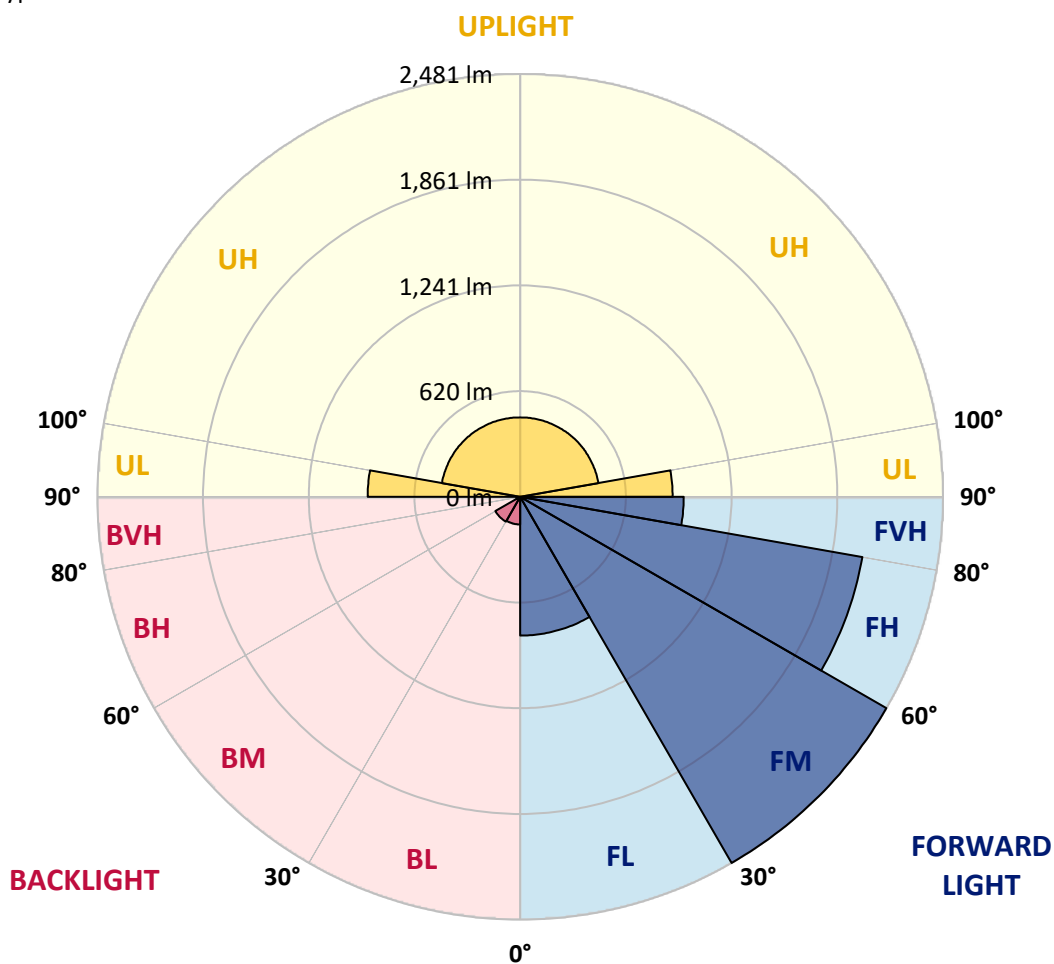
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	814.0	8.4			
FM	(30°-60°)	2481.4	25.5			
FH	(60°-80°)	2039.3	21.0			G2/5000
FVH	(80°-90°)	959.8	9.9			G5
BL	(0°-30°)	162.3	1.7	B1/500		
BM	(30°-60°)	168.1	1.7	B0/220		
BH	(60°-80°)	22.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.8	0.0			G0/10
UL	(90°-100°)	894.8	9.2		U4/1000	
UH	(100°-180°)	466.2	4.8		U3/500	
Trapped Light		1708.1	17.6			

BUG Rating: B1-U4-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1150.2	1150.2	1150.2	1150.2	1150.2	1150.2	1150.2
0.5°	1177.3	1201.7	1187.5	1167.3	1130.9	1083.1	1086.9
1°	1222.7	1241.2	1210.7	1167.3	1108.1	1044.0	1043.4
1.5°	1268.9	1282.7	1234.1	1166.3	1085.6	1007.5	998.1
2°	1315.1	1321.7	1256.1	1165.7	1063.3	969.1	955.9
2.5°	1363.1	1362.5	1278.8	1164.4	1040.3	932.8	907.3
3°	1409.1	1403.1	1301.1	1162.9	1016.9	891.1	849.8
3.5°	1457.3	1442.3	1323.0	1161.7	993.7	840.8	793.8
4°	1503.5	1483.2	1345.3	1159.9	970.1	791.3	744.2
4.5°	1549.9	1521.8	1367.5	1158.1	947.8	748.1	699.9
5°	1595.1	1561.9	1388.8	1155.7	926.5	709.6	662.9
5.5°	1639.1	1599.9	1410.0	1153.3	902.2	673.1	628.9
6°	1683.5	1636.7	1431.4	1150.3	875.6	642.2	597.5
6.5°	1725.9	1674.3	1451.9	1146.8	846.0	614.1	562.7
7°	1768.5	1710.6	1473.1	1143.3	814.5	586.5	519.0
7.5°	1809.9	1745.9	1493.6	1139.6	785.3	556.7	460.0
8°	1849.5	1781.1	1513.1	1135.9	756.7	519.3	393.4
8.5°	1888.5	1813.8	1532.6	1131.8	728.9	469.4	326.5
9°	1924.7	1846.9	1552.1	1127.4	702.0	413.6	271.7
9.5°	1960.9	1878.4	1570.3	1123.1	677.3	355.5	232.7
10°	1996.6	1909.2	1588.4	1118.4	653.6	299.6	216.0
10.5°	2030.5	1940.1	1607.2	1113.3	631.5	253.6	200.1
11°	2062.2	1968.5	1623.9	1108.2	611.2	220.7	184.5
11.5°	2093.8	1996.0	1641.2	1102.5	593.0	205.5	169.3
12°	2123.6	2023.1	1658.2	1096.8	575.5	191.5	161.8
12.5°	2152.2	2048.8	1674.0	1091.1	557.2	177.6	156.4
13°	2180.2	2073.7	1690.1	1084.7	538.5	163.7	152.7
13.5°	2207.3	2098.0	1705.6	1078.5	517.8	156.3	150.1
14°	2233.4	2121.1	1719.7	1071.4	486.5	150.4	147.9
14.5°	2258.6	2143.5	1733.8	1063.8	455.3	146.2	146.3
15°	2282.3	2164.8	1748.4	1056.8	424.2	143.6	144.7
15.5°	2305.0	2185.6	1761.9	1048.7	393.0	142.2	142.5
16°	2327.6	2205.4	1774.4	1041.1	361.8	141.5	138.8
16.5°	2350.0	2224.8	1787.5	1033.1	325.6	141.2	133.6
17°	2370.7	2243.5	1799.8	1024.5	290.2	141.2	127.9
17.5°	2392.1	2261.4	1811.3	1016.6	260.0	141.5	123.0
18°	2412.3	2278.2	1822.2	1007.7	233.3	142.1	117.8
18.5°	2431.7	2295.2	1832.9	998.7	211.3	142.4	114.2
19°	2451.0	2310.5	1843.0	990.9	195.3	141.7	113.5
19.5°	2469.5	2326.1	1853.4	981.7	183.0	139.7	114.0
20°	2488.2	2342.1	1863.5	973.2	173.5	136.3	114.8
20.5°	2506.7	2356.1	1872.2	964.4	166.4	132.1	116.5
21°	2525.1	2370.1	1880.9	955.7	160.7	125.2	119.4
21.5°	2542.2	2384.5	1889.3	946.4	156.5	120.1	127.9
22°	2559.2	2398.0	1897.0	937.4	153.3	118.0	142.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	2576.9	2410.8	1904.3	928.5	151.2	116.8	155.9
23°	2593.8	2424.3	1911.3	918.6	150.0	116.0	163.0
23.5°	2610.3	2437.8	1917.6	909.1	149.2	115.5	169.7
24°	2626.9	2449.7	1923.3	898.9	148.8	114.3	184.2
24.5°	2643.9	2461.9	1929.6	888.1	148.0	113.1	215.6
25°	2659.9	2474.0	1934.7	878.4	147.1	114.1	269.9
25.5°	2676.9	2485.6	1939.8	868.1	146.3	118.4	364.5
26°	2693.4	2497.4	1944.2	857.5	145.7	125.1	460.7
26.5°	2709.2	2509.3	1948.1	846.9	145.2	134.1	557.2
27°	2725.5	2520.8	1952.0	837.1	145.1	149.5	653.9
27.5°	2741.2	2532.8	1955.5	826.6	145.4	173.3	750.4
28°	2757.3	2544.4	1958.3	816.0	145.5	192.3	777.0
28.5°	2773.8	2555.2	1960.5	805.8	145.2	204.4	760.5
29°	2790.1	2566.3	1963.1	794.8	144.5	218.8	718.9
29.5°	2805.1	2577.9	1965.2	784.4	143.4	243.7	676.5
30°	2820.6	2588.9	1967.0	774.5	142.9	283.6	633.3
30.5°	2836.9	2599.9	1968.2	764.3	143.3	337.4	585.7
31°	2852.2	2610.8	1969.5	754.2	143.7	390.4	501.4
31.5°	2867.0	2621.0	1970.1	745.9	144.1	442.7	395.1
32°	2882.7	2631.6	1970.3	737.2	144.7	495.4	303.4
32.5°	2897.1	2642.8	1970.9	728.9	145.3	548.7	228.8
33°	2912.0	2653.5	1970.8	721.5	145.8	603.4	199.1
33.5°	2927.0	2664.3	1970.5	714.0	144.7	601.8	171.4
34°	2941.7	2674.6	1970.0	705.7	143.0	584.7	143.2
34.5°	2955.8	2685.3	1968.8	697.6	140.1	554.1	114.8
35°	2969.3	2694.9	1967.4	688.5	136.0	522.6	104.2
35.5°	2982.9	2705.4	1965.9	678.3	133.2	495.1	94.9
36°	2996.0	2714.4	1963.8	668.1	130.6	466.7	86.2
36.5°	3009.5	2724.2	1961.7	655.5	127.8	435.7	78.1
37°	3022.4	2733.6	1959.5	641.3	124.9	397.3	70.3
37.5°	3035.1	2743.2	1956.7	627.5	122.0	361.4	63.5
38°	3047.1	2752.2	1953.9	612.8	119.0	324.8	57.0
38.5°	3059.7	2760.6	1950.5	597.9	116.0	283.3	51.0
39°	3071.9	2769.1	1947.4	583.4	112.9	241.1	45.5
39.5°	3083.1	2777.7	1944.2	569.7	110.0	214.3	40.5
40°	3094.2	2785.8	1940.2	555.2	106.4	188.3	35.7
40.5°	3104.4	2794.1	1936.5	541.7	102.8	162.2	31.2
41°	3114.5	2801.8	1932.6	527.7	99.7	136.2	27.3
41.5°	3124.3	2809.5	1928.6	513.1	97.1	110.2	23.4
42°	3133.6	2816.8	1924.3	498.2	94.9	96.5	19.7
42.5°	3142.7	2824.2	1919.5	483.6	92.8	84.8	16.4
43°	3151.4	2831.1	1914.2	467.0	90.7	74.0	13.8
43.5°	3159.5	2837.9	1909.3	450.7	88.6	64.9	12.4
44°	3167.5	2844.4	1904.5	434.6	86.7	56.4	11.3
44.5°	3175.1	2850.3	1899.1	417.5	84.7	49.1	10.3

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3183.0	2856.4	1893.6	399.3	82.5	41.9	9.4
45.5°	3190.2	2861.5	1888.1	381.7	79.9	33.4	8.5
46°	3197.1	2866.2	1882.8	362.8	78.0	27.4	7.7
46.5°	3203.9	2870.8	1877.3	345.1	76.2	22.1	7.1
47°	3209.9	2875.3	1871.6	327.7	74.4	14.8	6.3
47.5°	3216.6	2879.6	1865.7	311.6	72.8	9.1	5.2
48°	3222.6	2883.2	1860.0	296.2	71.2	7.9	4.6
48.5°	3228.9	2886.8	1854.2	282.6	69.6	7.5	4.2
49°	3235.4	2890.2	1847.9	270.2	67.9	7.2	3.8
49.5°	3240.6	2893.4	1841.7	259.4	66.1	7.0	3.5
50°	3246.1	2896.6	1835.4	250.5	64.2	6.8	3.2
50.5°	3251.5	2899.7	1829.0	242.2	62.1	6.5	3.1
51°	3256.2	2902.1	1822.5	234.8	59.9	6.2	3.0
51.5°	3261.1	2904.4	1815.6	228.1	57.7	5.7	2.9
52°	3266.0	2906.3	1808.8	222.8	55.4	5.0	2.9
52.5°	3270.5	2908.4	1802.4	217.6	53.0	4.6	2.8
53°	3274.6	2910.4	1796.0	212.4	50.6	4.2	2.8
53.5°	3278.3	2912.0	1789.4	207.2	48.3	3.9	2.8
54°	3282.8	2913.5	1783.2	203.8	46.3	3.6	2.8
54.5°	3285.9	2914.5	1777.0	200.6	44.6	3.3	2.7
55°	3289.1	2915.2	1770.4	197.8	43.0	3.1	2.8
55.5°	3291.5	2915.7	1763.5	194.8	41.3	3.0	2.8
56°	3293.6	2915.6	1756.7	192.2	39.6	2.8	2.8
56.5°	3295.7	2915.1	1750.4	189.4	37.7	2.7	2.8
57°	3297.2	2914.8	1743.5	186.5	35.4	2.6	2.8
57.5°	3298.0	2913.9	1736.2	183.6	32.8	2.5	2.9
58°	3299.0	2912.7	1728.9	180.7	29.9	2.5	2.9
58.5°	3299.2	2911.4	1721.3	178.0	27.0	2.4	3.0
59°	3299.5	2909.7	1713.0	175.4	23.9	2.3	3.1
59.5°	3299.0	2907.8	1705.0	172.6	21.0	2.3	3.1
60°	3298.2	2905.3	1697.0	169.9	18.1	2.3	3.2
60.5°	3297.3	2901.9	1688.1	167.3	15.4	2.3	3.2
61°	3295.4	2898.6	1678.6	164.8	12.7	2.3	3.3
61.5°	3293.4	2895.4	1669.7	162.2	10.2	2.3	3.4
62°	3291.2	2892.4	1660.2	159.5	7.7	2.3	3.5
62.5°	3288.3	2888.6	1650.3	156.9	5.5	2.3	3.5
63°	3285.4	2884.3	1640.3	154.3	4.4	2.3	3.6
63.5°	3282.0	2880.6	1629.8	151.9	3.9	2.4	3.7
64°	3278.1	2876.4	1618.9	149.5	3.6	2.4	3.7
64.5°	3274.7	2871.5	1608.5	147.1	3.6	2.5	3.8
65°	3270.7	2866.6	1598.2	144.7	3.5	2.5	3.9
65.5°	3266.2	2861.7	1587.3	142.3	3.5	2.6	4.1
66°	3261.7	2856.1	1577.2	140.0	3.4	2.7	4.2
66.5°	3257.7	2851.6	1566.7	137.6	3.1	2.7	4.3
67°	3253.3	2845.6	1556.1	135.1	3.0	2.8	4.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3249.6	2839.5	1546.5	132.4	2.9	2.9	4.5
68°	3245.3	2834.1	1537.0	129.7	2.9	3.0	4.5
68.5°	3241.8	2827.9	1527.2	127.0	2.8	3.1	4.6
69°	3238.0	2822.6	1517.8	124.1	2.8	3.1	4.7
69.5°	3235.1	2817.2	1508.5	121.2	2.8	3.2	4.8
70°	3232.3	2812.3	1499.2	118.3	2.8	3.3	4.9
70.5°	3230.0	2806.9	1489.7	115.2	2.8	3.4	5.0
71°	3228.1	2802.3	1480.1	112.0	2.8	3.5	5.1
71.5°	3226.5	2797.3	1469.5	108.7	2.8	3.5	5.3
72°	3224.6	2792.3	1459.5	105.4	2.8	3.6	5.4
72.5°	3222.1	2787.4	1448.7	101.8	2.8	3.7	5.5
73°	3220.0	2781.6	1436.0	97.9	2.8	3.8	5.6
73.5°	3217.1	2775.9	1423.8	93.7	2.8	3.9	5.7
74°	3214.3	2770.3	1410.9	88.7	2.8	4.0	5.8
74.5°	3210.5	2763.2	1396.9	83.8	2.8	4.1	5.9
75°	3207.3	2756.6	1383.4	78.8	2.9	4.2	5.9
75.5°	3204.8	2750.0	1369.8	73.9	2.9	4.3	6.0
76°	3203.1	2744.4	1355.8	68.8	2.9	4.3	6.1
76.5°	3201.5	2738.7	1342.0	64.2	2.9	4.4	6.2
77°	3200.2	2734.1	1327.8	59.8	3.0	4.5	6.3
77.5°	3198.9	2730.2	1312.6	55.6	3.0	4.6	6.4
78°	3197.2	2726.8	1298.5	51.7	3.0	4.7	6.5
78.5°	3196.2	2723.5	1285.0	47.9	3.1	4.8	6.6
79°	3194.6	2720.0	1270.5	44.2	3.1	4.9	6.7
79.5°	3191.9	2715.4	1255.7	40.6	3.2	4.9	6.8
80°	3187.7	2711.2	1239.6	37.0	3.2	5.0	6.8
80.5°	3182.1	2705.2	1220.3	33.7	3.3	5.1	6.9
81°	3176.0	2699.0	1198.3	30.7	3.3	5.2	7.0
81.5°	3169.5	2691.5	1177.0	27.8	3.4	5.3	7.1
82°	3162.0	2684.3	1156.0	25.2	3.4	5.3	7.2
82.5°	3155.5	2676.5	1135.0	22.8	3.5	5.4	7.2
83°	3149.2	2670.0	1113.8	20.6	3.5	5.5	7.3
83.5°	3143.0	2664.6	1092.7	18.6	3.6	5.5	7.4
84°	3137.4	2661.2	1074.0	16.7	3.6	5.6	7.5
84.5°	3131.1	2657.7	1055.2	14.9	3.7	5.7	7.5
85°	3124.9	2655.3	1037.0	13.4	3.7	5.8	7.6
85.5°	3120.2	2651.8	1018.5	12.0	3.7	5.8	7.6
86°	3114.5	2648.3	1001.6	10.7	3.8	5.9	7.7
86.5°	3109.0	2645.5	985.9	9.5	3.8	6.0	7.8
87°	3102.2	2643.3	971.2	8.3	3.9	6.0	7.8
87.5°	3094.6	2640.6	956.2	7.2	3.9	6.1	7.9
88°	3086.8	2638.5	944.3	6.1	4.0	6.2	7.9
88.5°	3079.7	2636.5	932.9	5.2	4.0	6.2	8.0
89°	3070.0	2633.5	922.3	4.3	4.0	6.3	8.1
89.5°	3058.0	2629.8	912.8	3.6	4.1	6.3	8.1

REPORT NUMBER: P1197209

CATALOG NUMBER: AWPS75S-BZ-LOW-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3045.4	2625.9	905.7	3.0	4.1	6.4	8.2
90.5°	3029.9	2622.7	900.7	2.5	4.1	6.4	8.2
91°	3013.2	2620.4	895.0	2.4	4.2	6.5	8.3
91.5°	2996.3	2617.4	892.4	2.3	4.2	6.5	8.3
92°	2977.8	2614.1	892.8	2.3	4.3	6.6	8.4
92.5°	2958.7	2610.0	897.5	2.3	4.3	6.7	8.4
93°	2939.6	2606.4	906.2	2.2	4.3	6.8	8.4
93.5°	2921.4	2603.9	923.6	2.2	4.4	6.8	8.5
94°	2902.1	2601.8	949.5	2.2	4.4	6.9	8.5
94.5°	2883.5	2596.4	974.1	2.2	4.4	7.0	8.5
95°	2858.4	2585.9	992.1	2.1	4.5	7.0	8.6
95.5°	2818.7	2566.5	996.4	2.1	4.5	7.1	8.6
96°	2768.4	2546.2	987.0	2.1	4.6	7.1	8.6
96.5°	2715.1	2534.7	972.4	2.1	4.6	7.2	8.7
97°	2655.1	2546.7	958.0	2.0	4.6	7.2	8.7
97.5°	2603.0	2568.5	933.4	2.0	4.7	7.3	8.7
98°	2572.4	2608.1	894.4	2.0	4.7	7.3	8.7
98.5°	2560.8	2644.8	833.9	2.0	4.7	7.4	8.8
99°	2569.5	2663.0	747.5	2.0	4.8	7.5	8.8
99.5°	2600.4	2642.7	659.7	2.0	4.8	7.5	8.8
100°	2657.4	2570.5	572.0	2.0	4.8	7.6	8.8
100.5°	2743.1	2428.0	484.2	2.0	4.9	7.6	8.9
101°	2829.3	2226.3	396.4	2.0	4.9	7.6	8.9
101.5°	2889.7	1984.1	309.8	2.0	5.0	7.7	8.9
102°	2894.0	1747.8	243.3	2.0	5.0	7.7	8.9
102.5°	2829.6	1546.6	183.5	2.0	5.0	7.7	8.9
103°	2683.8	1380.5	150.2	2.0	5.1	7.8	9.0
103.5°	2470.2	1254.3	139.8	2.0	5.1	7.8	9.0
104°	2228.2	1203.6	144.5	2.0	5.1	7.8	9.0
104.5°	2011.5	1240.5	158.1	2.0	5.2	7.9	9.0
105°	1798.2	1340.8	161.7	2.0	5.2	7.9	9.0
105.5°	1590.9	1426.4	159.6	2.0	5.2	7.9	9.1
106°	1440.6	1398.3	156.3	2.0	5.2	7.9	9.1
106.5°	1332.9	1225.8	151.9	2.0	5.3	7.9	9.1
107°	1321.0	937.0	144.1	2.0	5.3	8.0	9.1
107.5°	1391.0	633.0	129.0	2.0	5.3	8.0	9.1
108°	1464.9	368.4	101.1	2.1	5.3	8.0	9.1
108.5°	1426.9	209.7	79.6	2.1	5.4	8.1	9.1
109°	1171.7	176.8	68.5	2.1	5.4	8.1	9.1
109.5°	916.7	149.9	56.9	2.1	5.4	8.1	9.1
110°	661.6	122.9	40.6	2.2	5.4	8.1	9.1
110.5°	406.6	96.0	28.1	2.2	5.5	8.1	9.1
111°	162.0	95.8	23.8	2.2	5.5	8.1	9.2
111.5°	131.4	95.4	19.8	2.2	5.5	8.1	9.2
112°	125.8	91.6	16.2	2.3	5.5	8.1	9.2

REPORT NUMBER: P1197209

CATALOG NUMBER: AWPS75S-BZ-LOW-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	125.0	82.2	12.9	2.3	5.6	8.1	9.2
113°	126.6	74.5	10.5	2.3	5.6	8.2	9.2
113.5°	126.4	69.4	8.8	2.3	5.6	8.2	9.2
114°	124.1	63.1	7.5	2.3	5.6	8.2	9.2
114.5°	116.7	55.9	6.4	2.4	5.6	8.2	9.2
115°	106.2	50.4	5.4	2.4	5.7	8.2	9.2
115.5°	98.3	47.7	4.6	2.4	5.7	8.2	9.2
116°	93.9	46.2	3.8	2.4	5.7	8.2	9.2
116.5°	87.1	45.3	3.4	2.5	5.7	8.2	9.2
117°	78.7	45.1	3.0	2.5	5.7	8.2	9.2
117.5°	72.9	44.8	2.7	2.5	5.8	8.2	9.2
118°	69.9	43.8	2.5	2.5	5.8	8.2	9.2
118.5°	68.7	41.6	2.3	2.6	5.8	8.2	9.2
119°	66.9	38.1	2.1	2.6	5.8	8.2	9.2
119.5°	64.7	34.4	1.9	2.6	5.8	8.3	9.2
120°	62.1	30.4	1.8	2.7	5.8	8.3	9.2
120.5°	59.1	24.9	1.7	2.7	5.8	8.3	9.2
121°	55.1	18.2	1.6	2.7	5.9	8.3	9.2
121.5°	50.0	12.2	1.5	2.7	5.9	8.3	9.2
122°	43.9	8.1	1.4	2.8	5.9	8.3	9.1
122.5°	38.3	6.2	1.3	2.8	5.9	8.3	9.1
123°	33.0	5.2	1.2	2.8	5.9	8.3	9.1
123.5°	26.9	4.4	1.1	2.9	5.9	8.3	9.1
124°	20.8	3.5	1.0	2.9	6.0	8.3	9.1
124.5°	15.7	2.7	1.0	2.9	6.0	8.3	9.0
125°	12.8	1.9	1.0	3.0	6.0	8.3	9.0
125.5°	10.7	1.4	0.9	3.0	6.0	8.3	9.0
126°	7.7	1.0	0.9	3.0	6.0	8.3	9.0
126.5°	5.0	0.8	0.9	3.0	6.0	8.3	9.0
127°	3.8	0.7	0.9	3.1	6.0	8.3	8.9
127.5°	2.9	0.7	0.9	3.1	6.0	8.3	8.9
128°	2.2	0.6	0.9	3.1	6.1	8.3	8.9
128.5°	1.7	0.6	0.9	3.2	6.1	8.3	8.9
129°	1.3	0.6	0.9	3.2	6.1	8.2	8.8
129.5°	0.7	0.5	0.9	3.2	6.1	8.2	8.8
130°	0.7	0.5	0.9	3.2	6.1	8.2	8.8
130.5°	0.6	0.5	1.0	3.3	6.1	8.2	8.7
131°	0.6	0.5	1.0	3.3	6.1	8.2	8.7
131.5°	0.6	0.5	1.0	3.3	6.1	8.2	8.7
132°	0.5	0.5	1.1	3.3	6.1	8.2	8.7
132.5°	0.5	0.5	1.1	3.4	6.1	8.2	8.6
133°	0.5	0.4	1.1	3.4	6.1	8.2	8.6
133.5°	0.5	0.4	1.2	3.4	6.1	8.1	8.6
134°	0.4	0.4	1.2	3.5	6.1	8.1	8.6
134.5°	0.4	0.4	1.2	3.5	6.1	8.1	8.6

REPORT NUMBER: P1197209

CATALOG NUMBER: AWPS75S-BZ-LOW-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.4	0.4	1.3	3.5	6.1	8.1	8.5
135.5°	0.4	0.4	1.3	3.5	6.1	8.1	8.5
136°	0.4	0.4	1.3	3.6	6.1	8.1	8.5
136.5°	0.4	0.4	1.4	3.6	6.1	8.0	8.5
137°	0.3	0.4	1.4	3.6	6.1	8.0	8.5
137.5°	0.3	0.4	1.4	3.7	6.1	8.0	8.4
138°	0.3	0.4	1.5	3.7	6.1	8.0	8.4
138.5°	0.3	0.4	1.5	3.7	6.1	8.0	8.4
139°	0.3	0.4	1.6	3.8	6.1	8.0	8.3
139.5°	0.3	0.4	1.6	3.8	6.1	7.9	8.3
140°	0.3	0.4	1.7	3.8	6.2	7.9	8.2
140.5°	0.3	0.4	1.7	3.8	6.2	7.9	8.2
141°	0.3	0.4	1.7	3.9	6.2	7.9	8.1
141.5°	0.3	0.4	1.8	3.9	6.2	7.9	8.1
142°	0.3	0.4	1.8	3.9	6.2	7.8	8.0
142.5°	0.3	0.4	1.9	3.9	6.1	7.8	8.0
143°	0.3	0.4	1.9	3.9	6.1	7.8	7.9
143.5°	0.3	0.5	1.9	4.0	6.1	7.8	7.9
144°	0.3	0.5	2.0	4.0	6.1	7.7	7.8
144.5°	0.3	0.5	2.0	4.0	6.1	7.7	7.8
145°	0.3	0.5	2.0	4.1	6.1	7.7	7.7
145.5°	0.4	0.5	2.1	4.1	6.1	7.6	7.6
146°	0.4	0.6	2.1	4.1	6.1	7.6	7.6
146.5°	0.4	0.6	2.2	4.1	6.1	7.6	7.5
147°	0.4	0.6	2.2	4.2	6.1	7.5	7.5
147.5°	0.4	0.6	2.2	4.2	6.1	7.5	7.4
148°	0.5	0.7	2.3	4.2	6.1	7.5	7.4
148.5°	0.5	0.7	2.3	4.2	6.1	7.4	7.3
149°	0.5	0.7	2.4	4.2	6.1	7.4	7.3
149.5°	0.5	0.7	2.4	4.3	6.1	7.4	7.2
150°	0.5	0.8	2.4	4.3	6.1	7.4	7.1
150.5°	0.5	0.8	2.4	4.3	6.1	7.3	7.1
151°	0.6	0.8	2.5	4.3	6.1	7.3	7.0
151.5°	0.6	0.9	2.5	4.4	6.1	7.3	6.9
152°	0.6	0.9	2.6	4.4	6.1	7.3	6.9
152.5°	0.6	0.9	2.6	4.4	6.1	7.2	6.8
153°	0.7	1.0	2.6	4.4	6.1	7.2	6.7
153.5°	0.7	1.0	2.7	4.5	6.1	7.2	6.6
154°	0.7	1.1	2.7	4.5	6.1	7.2	6.6
154.5°	0.7	1.1	2.8	4.5	6.1	7.1	6.5
155°	0.7	1.2	2.8	4.5	6.1	7.1	6.4
155.5°	0.8	1.2	2.8	4.6	6.1	7.0	6.3
156°	0.8	1.2	2.9	4.6	6.1	7.0	6.3
156.5°	0.8	1.3	2.9	4.6	6.1	7.0	6.2
157°	0.8	1.3	3.0	4.6	6.1	6.9	6.1

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CATALOG NUMBER: AWPS75S-BZ-LOW-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: AWPS75S-BZ-LOW-4000K-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)