

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: P1197210

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

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197210
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-MID-4000K-POSITION 45
Description: AWP Architectural
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 9390.2 lumens
Efficiency: 96.6%
Efficacy: 144.7 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 - U5 - G5

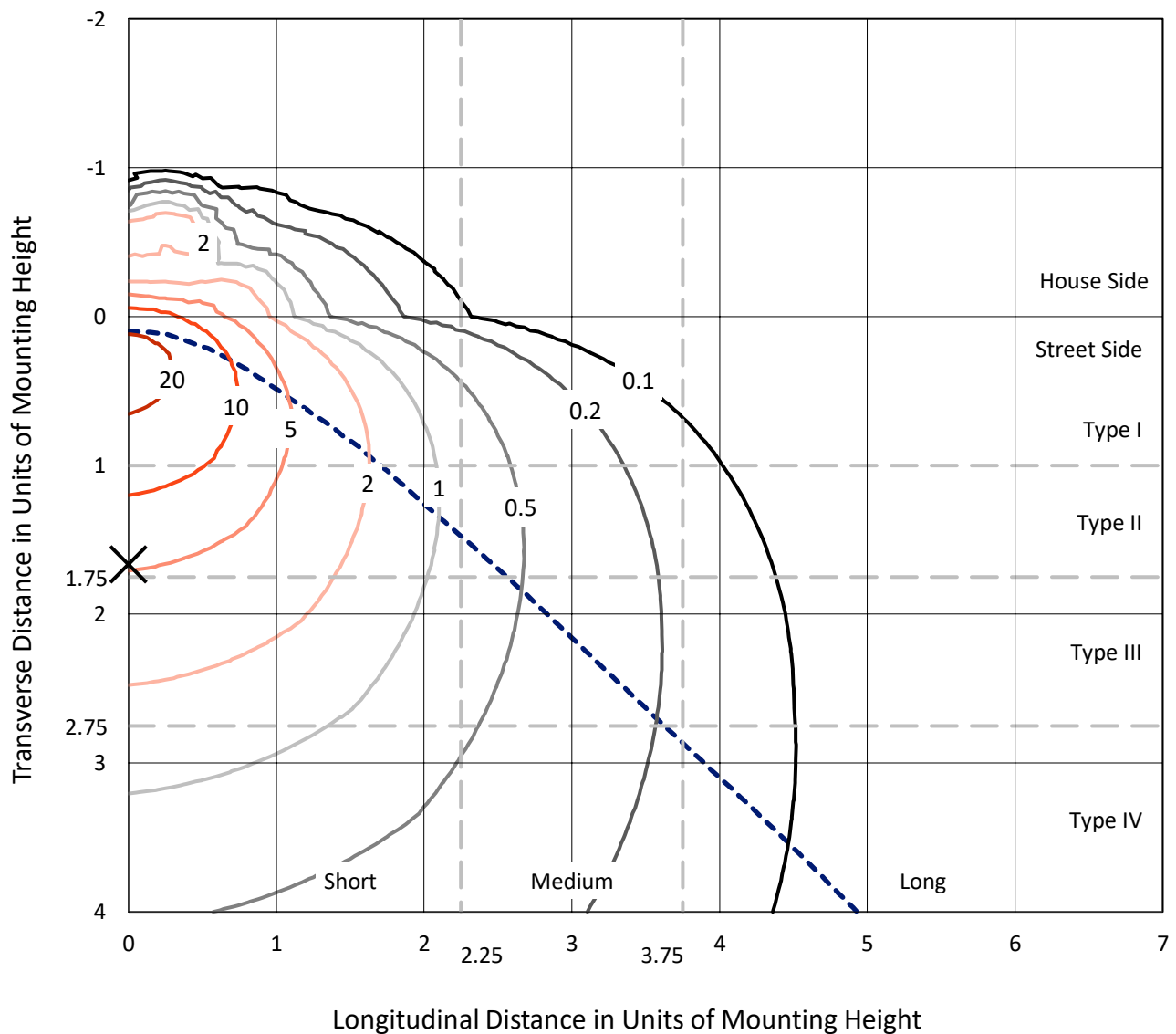
Input Watts (W): 64.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

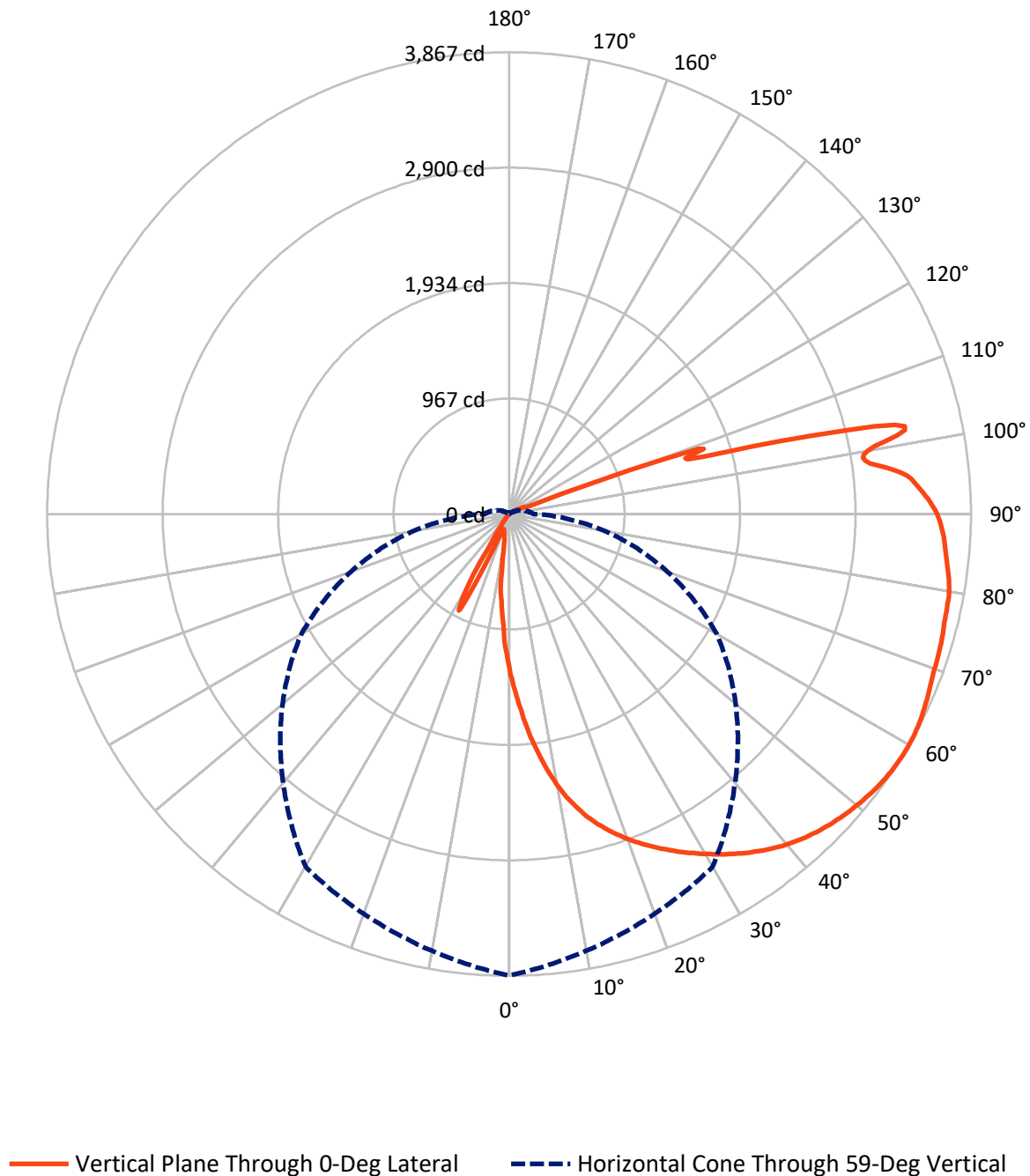


Based on 10 foot mounting height. Maximum calculated value = 24.1 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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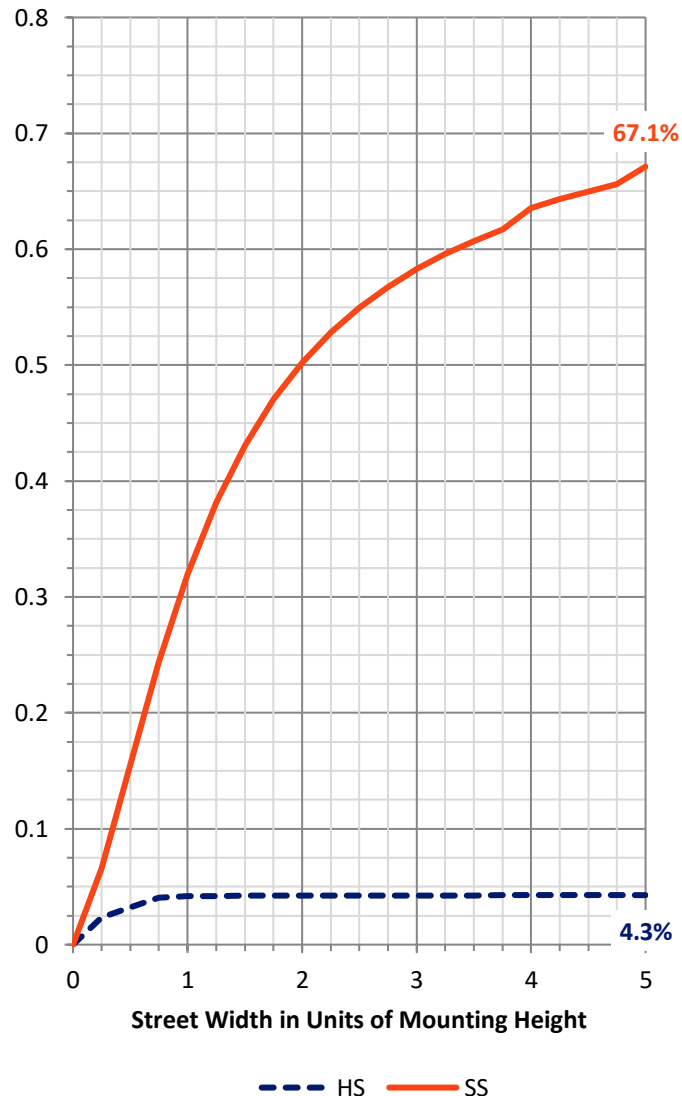
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.7	23.2	440.9
	% Lamp	4.3	0.2	4.5
Street Side	Lumens	7377.4	1571.9	8949.3
	% Lamp	75.9	16.2	92.1
Total	Lumens	7795.1	1595.1	9390.2
	% Lamp	80.2	16.4	96.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	127.3	1.4	1.3
10°-20°	373.0	4.0	3.8
20°-30°	644.0	6.9	6.6
30°-40°	915.2	9.7	9.4
40°-50°	1039.1	11.1	10.7
50°-60°	1151.0	12.3	11.8
60°-70°	1211.5	12.9	12.5
70°-80°	1204.8	12.8	12.4
80°-90°	1129.4	12.0	11.6
90°-100°	1048.7	11.2	10.8
100°-110°	497.8	5.3	5.1
110°-120°	30.8	0.3	0.3
120°-130°	6.9	0.1	0.1
130°-140°	3.6	0.0	0.0
140°-150°	3.0	0.0	0.0
150°-160°	2.3	0.0	0.0
160°-170°	1.4	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	7795.1	83.0	80.2
0°-180°	9390.2	100.0	96.6

Coefficient of Utilization



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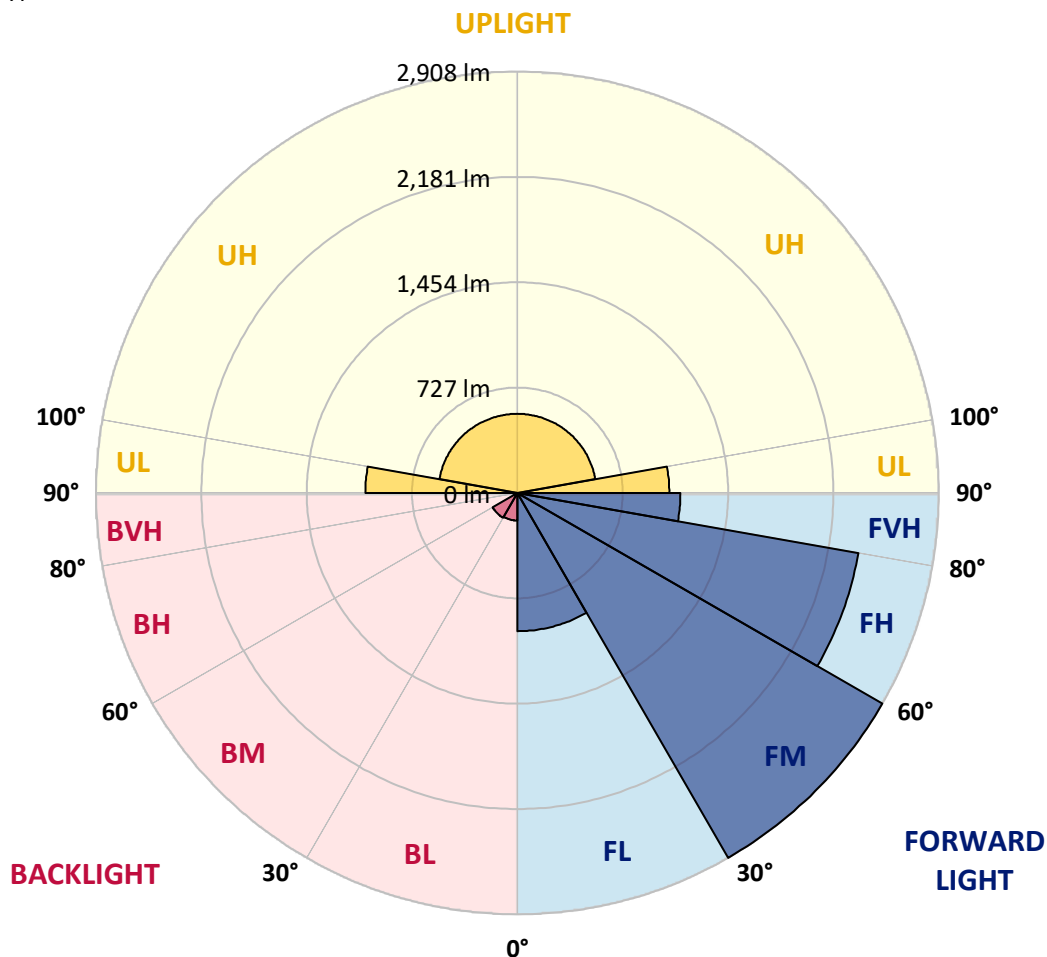
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	954.1	9.8			
FM	(30°-60°)	2908.3	29.9			
FH	(60°-80°)	2390.2	24.6			G2/5000
FVH	(80°-90°)	1124.9	11.6			G5
BL	(0°-30°)	190.2	2.0	B1/500		
BM	(30°-60°)	197.0	2.0	B0/220		
BH	(60°-80°)	26.1	0.3	B0/110		G0/110
BVH	(80°-90°)	4.5	0.0			G0/10
UL	(90°-100°)	1048.7	10.8		U5	
UH	(100°-180°)	546.4	5.6		U4/1000	
Trapped Light		329.8	3.4			

BUG Rating: B1-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1
0.5°	1379.8	1408.5	1391.8	1368.1	1325.4	1269.4	1273.9
1°	1433.0	1454.7	1419.0	1368.1	1298.8	1223.6	1222.9
1.5°	1487.2	1503.4	1446.4	1366.9	1272.3	1180.8	1169.8
2°	1541.3	1549.1	1472.2	1366.3	1246.3	1135.8	1120.4
2.5°	1597.6	1596.9	1498.8	1364.7	1219.3	1093.3	1063.3
3°	1651.5	1644.5	1525.0	1363.0	1191.8	1044.4	996.0
3.5°	1708.0	1690.4	1550.6	1361.5	1164.7	985.4	930.4
4°	1762.1	1738.4	1576.8	1359.5	1137.0	927.4	872.2
4.5°	1816.5	1783.6	1602.7	1357.3	1110.9	876.8	820.3
5°	1869.6	1830.6	1627.7	1354.6	1085.9	831.7	776.9
5.5°	1921.1	1875.2	1652.6	1351.7	1057.4	788.9	737.1
6°	1973.1	1918.2	1677.7	1348.2	1026.3	752.6	700.3
6.5°	2022.8	1962.4	1701.7	1344.1	991.5	719.7	659.5
7°	2072.7	2004.8	1726.5	1339.9	954.6	687.4	608.2
7.5°	2121.2	2046.2	1750.5	1335.6	920.4	652.4	539.1
8°	2167.6	2087.5	1773.4	1331.3	886.9	608.7	461.0
8.5°	2213.4	2125.9	1796.2	1326.5	854.3	550.1	382.7
9°	2255.8	2164.7	1819.1	1321.3	822.7	484.8	318.5
9.5°	2298.2	2201.6	1840.5	1316.3	793.9	416.7	272.7
10°	2340.1	2237.6	1861.6	1310.8	766.1	351.1	253.2
10.5°	2379.8	2273.8	1883.7	1304.8	740.1	297.2	234.5
11°	2417.0	2307.2	1903.3	1298.8	716.3	258.6	216.3
11.5°	2454.0	2339.4	1923.5	1292.2	695.0	240.8	198.4
12°	2488.9	2371.2	1943.5	1285.5	674.5	224.5	189.6
12.5°	2522.5	2401.2	1962.0	1278.8	653.1	208.1	183.3
13°	2555.2	2430.4	1980.8	1271.3	631.1	191.9	179.0
13.5°	2587.0	2458.9	1999.0	1264.0	606.8	183.2	175.9
14°	2617.6	2486.0	2015.5	1255.7	570.2	176.3	173.4
14.5°	2647.1	2512.2	2032.0	1246.8	533.6	171.3	171.5
15°	2674.9	2537.2	2049.1	1238.5	497.1	168.3	169.6
15.5°	2701.6	2561.6	2065.0	1229.2	460.6	166.7	167.0
16°	2728.0	2584.8	2079.7	1220.2	424.1	165.8	162.7
16.5°	2754.3	2607.6	2095.0	1210.8	381.7	165.5	156.6
17°	2778.5	2629.4	2109.4	1200.8	340.1	165.5	149.9
17.5°	2803.6	2650.4	2122.9	1191.4	304.7	165.8	144.1
18°	2827.3	2670.2	2135.7	1181.1	273.4	166.5	138.1
18.5°	2850.0	2690.1	2148.2	1170.5	247.7	166.9	133.8
19°	2872.7	2708.0	2160.1	1161.3	228.9	166.1	133.0
19.5°	2894.3	2726.2	2172.2	1150.6	214.5	163.8	133.6
20°	2916.2	2745.0	2184.1	1140.7	203.3	159.7	134.5
20.5°	2937.9	2761.4	2194.2	1130.3	195.0	154.8	136.5
21°	2959.5	2777.8	2204.4	1120.2	188.4	146.8	139.9
21.5°	2979.6	2794.7	2214.3	1109.2	183.4	140.8	149.8
22°	2999.5	2810.5	2223.4	1098.7	179.7	138.3	166.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3020.1	2825.6	2231.9	1088.2	177.2	136.9	182.7
23°	3040.0	2841.3	2240.1	1076.6	175.8	136.0	191.0
23.5°	3059.4	2857.2	2247.5	1065.5	174.8	135.4	198.9
24°	3078.8	2871.1	2254.2	1053.6	174.4	133.9	215.9
24.5°	3098.7	2885.4	2261.5	1040.9	173.4	132.5	252.7
25°	3117.5	2899.6	2267.5	1029.5	172.4	133.7	316.3
25.5°	3137.4	2913.2	2273.5	1017.4	171.5	138.7	427.2
26°	3156.7	2927.1	2278.7	1005.0	170.7	146.6	540.0
26.5°	3175.2	2941.0	2283.2	992.6	170.1	157.2	653.0
27°	3194.3	2954.4	2287.8	981.1	170.0	175.2	766.3
27.5°	3212.7	2968.5	2291.9	968.8	170.4	203.2	879.4
28°	3231.7	2982.1	2295.1	956.4	170.6	225.3	910.7
28.5°	3250.9	2994.8	2297.8	944.4	170.2	239.6	891.3
29°	3270.0	3007.7	2300.8	931.5	169.3	256.4	842.6
29.5°	3287.6	3021.4	2303.2	919.3	168.1	285.7	792.9
30°	3305.8	3034.2	2305.4	907.8	167.5	332.4	742.2
30.5°	3324.9	3047.1	2306.8	895.8	167.9	395.5	686.4
31°	3342.8	3060.0	2308.3	883.9	168.4	457.5	587.7
31.5°	3360.2	3071.9	2309.0	874.2	168.9	518.8	463.1
32°	3378.5	3084.3	2309.3	864.0	169.6	580.6	355.6
32.5°	3395.5	3097.4	2310.0	854.2	170.2	643.1	268.1
33°	3413.0	3110.0	2309.8	845.7	170.9	707.3	233.4
33.5°	3430.5	3122.6	2309.4	836.9	169.6	705.4	200.9
34°	3447.8	3134.7	2308.9	827.1	167.6	685.2	167.8
34.5°	3464.3	3147.2	2307.5	817.6	164.2	649.4	134.6
35°	3480.1	3158.5	2305.9	806.9	159.4	612.5	122.2
35.5°	3496.0	3170.8	2304.1	795.0	156.2	580.3	111.2
36°	3511.4	3181.4	2301.7	783.0	153.0	547.0	101.0
36.5°	3527.3	3192.8	2299.1	768.2	149.7	510.6	91.5
37°	3542.4	3203.8	2296.6	751.7	146.4	465.7	82.4
37.5°	3557.2	3215.2	2293.4	735.5	143.0	423.6	74.4
38°	3571.3	3225.7	2290.0	718.2	139.5	380.7	66.8
38.5°	3586.0	3235.6	2286.1	700.8	135.9	332.0	59.8
39°	3600.4	3245.4	2282.4	683.8	132.3	282.5	53.4
39.5°	3613.5	3255.5	2278.7	667.7	128.9	251.1	47.5
40°	3626.5	3265.0	2273.9	650.7	124.7	220.6	41.9
40.5°	3638.4	3274.7	2269.6	634.9	120.5	190.1	36.6
41°	3650.3	3283.8	2265.0	618.5	116.8	159.7	32.0
41.5°	3661.7	3292.8	2260.4	601.4	113.8	129.2	27.4
42°	3672.7	3301.3	2255.3	583.9	111.3	113.1	23.1
42.5°	3683.3	3310.1	2249.7	566.8	108.8	99.4	19.3
43°	3693.5	3318.2	2243.5	547.3	106.3	86.7	16.2
43.5°	3703.0	3326.1	2237.8	528.3	103.9	76.0	14.5
44°	3712.4	3333.7	2232.1	509.4	101.6	66.1	13.2
44.5°	3721.3	3340.7	2225.8	489.3	99.2	57.6	12.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3730.6	3347.8	2219.4	468.0	96.7	49.1	11.0
45.5°	3739.0	3353.7	2212.9	447.3	93.7	39.1	9.9
46°	3747.1	3359.3	2206.7	425.3	91.4	32.1	9.1
46.5°	3755.1	3364.7	2200.2	404.5	89.3	25.9	8.3
47°	3762.1	3370.0	2193.5	384.1	87.2	17.4	7.4
47.5°	3769.9	3374.9	2186.7	365.2	85.3	10.6	6.1
48°	3777.0	3379.2	2180.0	347.2	83.5	9.2	5.4
48.5°	3784.3	3383.4	2173.1	331.2	81.6	8.7	5.0
49°	3791.9	3387.4	2165.8	316.7	79.6	8.5	4.5
49.5°	3798.1	3391.2	2158.5	304.1	77.5	8.2	4.1
50°	3804.6	3394.9	2151.1	293.6	75.2	7.9	3.8
50.5°	3810.8	3398.6	2143.6	283.9	72.8	7.6	3.6
51°	3816.4	3401.3	2136.1	275.2	70.2	7.3	3.5
51.5°	3822.0	3404.0	2127.9	267.3	67.6	6.7	3.4
52°	3827.9	3406.3	2119.9	261.2	64.9	5.8	3.4
52.5°	3833.1	3408.8	2112.5	255.1	62.2	5.4	3.3
53°	3837.9	3411.1	2105.0	249.0	59.3	4.9	3.3
53.5°	3842.2	3413.0	2097.2	242.9	56.6	4.5	3.3
54°	3847.5	3414.7	2089.9	238.9	54.3	4.2	3.2
54.5°	3851.2	3415.9	2082.7	235.1	52.3	3.9	3.2
55°	3854.9	3416.7	2075.0	231.8	50.4	3.7	3.2
55.5°	3857.8	3417.3	2066.9	228.3	48.5	3.5	3.2
56°	3860.2	3417.1	2058.9	225.2	46.4	3.3	3.2
56.5°	3862.6	3416.6	2051.5	222.0	44.1	3.2	3.3
57°	3864.4	3416.2	2043.4	218.5	41.5	3.1	3.3
57.5°	3865.4	3415.2	2034.8	215.2	38.5	3.0	3.3
58°	3866.5	3413.8	2026.3	211.8	35.0	2.9	3.4
58.5°	3866.8	3412.3	2017.5	208.6	31.6	2.8	3.5
59°	3867.1	3410.3	2007.7	205.5	28.0	2.7	3.6
59.5°	3866.5	3408.1	1998.3	202.3	24.6	2.7	3.7
60°	3865.6	3405.1	1989.0	199.2	21.3	2.7	3.8
60.5°	3864.5	3401.1	1978.5	196.1	18.0	2.7	3.8
61°	3862.3	3397.2	1967.4	193.1	14.8	2.7	3.9
61.5°	3860.0	3393.5	1957.0	190.1	11.9	2.7	4.0
62°	3857.4	3390.0	1945.8	186.9	9.1	2.7	4.0
62.5°	3854.0	3385.5	1934.2	183.9	6.4	2.7	4.1
63°	3850.6	3380.5	1922.4	180.9	5.1	2.7	4.2
63.5°	3846.7	3376.2	1910.1	178.0	4.6	2.8	4.3
64°	3842.0	3371.3	1897.4	175.2	4.3	2.8	4.4
64.5°	3838.1	3365.5	1885.2	172.4	4.2	2.9	4.5
65°	3833.3	3359.7	1873.1	169.6	4.1	3.0	4.6
65.5°	3828.0	3354.0	1860.4	166.8	4.1	3.0	4.7
66°	3822.8	3347.4	1848.5	164.1	3.9	3.1	4.9
66.5°	3818.2	3342.2	1836.2	161.3	3.6	3.2	5.0
67°	3812.9	3335.1	1823.7	158.3	3.5	3.3	5.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3808.6	3327.9	1812.5	155.2	3.4	3.4	5.2
68°	3803.6	3321.7	1801.4	152.1	3.4	3.5	5.3
68.5°	3799.5	3314.4	1789.9	148.8	3.3	3.6	5.4
69°	3795.1	3308.1	1778.9	145.5	3.3	3.7	5.5
69.5°	3791.6	3301.9	1768.1	142.1	3.3	3.8	5.7
70°	3788.3	3296.1	1757.1	138.6	3.3	3.9	5.8
70.5°	3785.6	3289.8	1746.0	135.0	3.3	4.0	5.9
71°	3783.5	3284.4	1734.7	131.3	3.3	4.1	6.0
71.5°	3781.5	3278.5	1722.3	127.4	3.3	4.2	6.2
72°	3779.4	3272.7	1710.6	123.6	3.3	4.3	6.3
72.5°	3776.4	3266.9	1698.0	119.3	3.3	4.4	6.4
73°	3774.0	3260.2	1683.1	114.7	3.3	4.5	6.5
73.5°	3770.5	3253.4	1668.7	109.8	3.3	4.6	6.6
74°	3767.3	3246.9	1653.6	104.0	3.3	4.7	6.8
74.5°	3762.8	3238.5	1637.2	98.2	3.3	4.8	6.9
75°	3759.1	3230.8	1621.4	92.4	3.3	4.9	7.0
75.5°	3756.1	3223.1	1605.4	86.6	3.4	5.0	7.1
76°	3754.1	3216.5	1589.1	80.6	3.4	5.1	7.2
76.5°	3752.2	3209.9	1572.8	75.3	3.4	5.2	7.3
77°	3750.7	3204.4	1556.2	70.1	3.5	5.3	7.4
77.5°	3749.2	3199.9	1538.4	65.1	3.5	5.4	7.5
78°	3747.2	3195.9	1521.9	60.6	3.6	5.5	7.6
78.5°	3746.1	3192.0	1506.1	56.1	3.6	5.6	7.7
79°	3744.1	3188.0	1489.0	51.8	3.7	5.7	7.8
79.5°	3740.9	3182.6	1471.7	47.6	3.7	5.8	7.9
80°	3736.1	3177.6	1452.8	43.4	3.8	5.9	8.0
80.5°	3729.5	3170.6	1430.2	39.5	3.8	6.0	8.1
81°	3722.3	3163.3	1404.5	35.9	3.9	6.1	8.2
81.5°	3714.7	3154.5	1379.5	32.6	4.0	6.2	8.3
82°	3705.9	3146.1	1354.8	29.5	4.0	6.2	8.4
82.5°	3698.3	3136.9	1330.2	26.8	4.1	6.3	8.5
83°	3690.9	3129.4	1305.4	24.2	4.1	6.4	8.6
83.5°	3683.7	3122.9	1280.6	21.8	4.2	6.5	8.7
84°	3677.1	3119.0	1258.7	19.6	4.2	6.6	8.7
84.5°	3669.8	3114.8	1236.7	17.5	4.3	6.7	8.8
85°	3662.4	3112.1	1215.5	15.7	4.3	6.8	8.9
85.5°	3656.9	3108.0	1193.7	14.1	4.4	6.8	9.0
86°	3650.3	3103.9	1173.9	12.5	4.4	6.9	9.0
86.5°	3643.8	3100.7	1155.5	11.1	4.5	7.0	9.1
87°	3635.8	3098.1	1138.3	9.7	4.5	7.1	9.2
87.5°	3627.0	3094.8	1120.7	8.4	4.6	7.1	9.2
88°	3617.9	3092.4	1106.8	7.2	4.6	7.2	9.3
88.5°	3609.5	3090.0	1093.3	6.0	4.7	7.3	9.4
89°	3598.1	3086.5	1081.0	5.1	4.7	7.3	9.5
89.5°	3584.1	3082.2	1069.8	4.2	4.8	7.4	9.5

REPORT NUMBER: P1197210

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3569.3	3077.6	1061.5	3.5	4.8	7.5	9.6
90.5°	3551.1	3073.8	1055.7	3.0	4.9	7.5	9.7
91°	3531.6	3071.2	1048.9	2.8	4.9	7.6	9.7
91.5°	3511.7	3067.7	1046.0	2.7	4.9	7.7	9.8
92°	3490.1	3063.8	1046.4	2.7	5.0	7.8	9.8
92.5°	3467.7	3059.0	1051.9	2.7	5.0	7.8	9.8
93°	3445.3	3054.7	1062.1	2.6	5.1	7.9	9.9
93.5°	3423.9	3051.8	1082.5	2.6	5.1	8.0	9.9
94°	3401.3	3049.4	1112.8	2.6	5.2	8.1	10.0
94.5°	3379.5	3043.1	1141.7	2.5	5.2	8.2	10.0
95°	3350.1	3030.8	1162.8	2.5	5.3	8.2	10.0
95.5°	3303.5	3008.0	1167.8	2.5	5.3	8.3	10.1
96°	3244.7	2984.2	1156.8	2.4	5.3	8.3	10.1
96.5°	3182.1	2970.7	1139.7	2.4	5.4	8.4	10.2
97°	3111.9	2984.8	1122.8	2.4	5.4	8.5	10.2
97.5°	3050.8	3010.4	1094.0	2.4	5.5	8.5	10.2
98°	3014.9	3056.7	1048.3	2.4	5.5	8.6	10.2
98.5°	3001.4	3099.7	977.4	2.4	5.5	8.7	10.3
99°	3011.6	3121.1	876.1	2.3	5.6	8.7	10.3
99.5°	3047.8	3097.3	773.2	2.3	5.6	8.8	10.3
100°	3114.5	3012.8	670.4	2.3	5.7	8.9	10.4
100.5°	3215.0	2845.7	567.5	2.3	5.7	8.9	10.4
101°	3316.0	2609.3	464.6	2.3	5.8	9.0	10.4
101.5°	3386.9	2325.5	363.1	2.3	5.8	9.0	10.5
102°	3391.8	2048.4	285.2	2.3	5.9	9.0	10.5
102.5°	3316.4	1812.7	215.1	2.3	5.9	9.1	10.5
103°	3145.5	1618.0	176.1	2.3	5.9	9.1	10.5
103.5°	2895.1	1470.1	163.8	2.3	6.0	9.2	10.5
104°	2611.6	1410.7	169.4	2.3	6.0	9.2	10.5
104.5°	2357.5	1453.9	185.3	2.4	6.1	9.2	10.6
105°	2107.6	1571.5	189.5	2.4	6.1	9.2	10.6
105.5°	1864.5	1671.8	187.1	2.4	6.1	9.3	10.6
106°	1688.4	1638.8	183.2	2.4	6.1	9.3	10.6
106.5°	1562.2	1436.7	178.0	2.4	6.2	9.3	10.6
107°	1548.2	1098.2	168.9	2.4	6.2	9.3	10.6
107.5°	1630.2	741.9	151.2	2.4	6.2	9.4	10.7
108°	1716.9	431.8	118.5	2.4	6.3	9.4	10.7
108.5°	1672.4	245.7	93.3	2.5	6.3	9.4	10.7
109°	1373.2	207.2	80.2	2.5	6.3	9.5	10.7
109.5°	1074.4	175.7	66.7	2.5	6.4	9.5	10.7
110°	775.4	144.1	47.5	2.5	6.4	9.5	10.7
110.5°	476.5	112.5	32.9	2.6	6.4	9.5	10.7
111°	189.9	112.2	27.9	2.6	6.4	9.5	10.7
111.5°	154.0	111.8	23.2	2.6	6.5	9.5	10.7
112°	147.4	107.4	19.0	2.6	6.5	9.5	10.7

REPORT NUMBER: P1197210

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	146.4	96.3	15.1	2.7	6.5	9.6	10.7
113°	148.3	87.3	12.3	2.7	6.6	9.6	10.7
113.5°	148.1	81.4	10.3	2.7	6.6	9.6	10.7
114°	145.5	74.0	8.7	2.7	6.6	9.6	10.7
114.5°	136.8	65.5	7.5	2.8	6.6	9.6	10.7
115°	124.5	59.1	6.4	2.8	6.6	9.6	10.7
115.5°	115.2	56.0	5.3	2.8	6.7	9.6	10.7
116°	110.1	54.1	4.5	2.9	6.7	9.6	10.8
116.5°	102.1	53.1	4.0	2.9	6.7	9.6	10.8
117°	92.2	52.9	3.5	2.9	6.7	9.6	10.8
117.5°	85.5	52.5	3.2	3.0	6.7	9.7	10.8
118°	82.0	51.3	2.9	3.0	6.8	9.7	10.8
118.5°	80.5	48.8	2.7	3.0	6.8	9.7	10.8
119°	78.4	44.6	2.5	3.1	6.8	9.7	10.8
119.5°	75.8	40.3	2.3	3.1	6.8	9.7	10.8
120°	72.7	35.6	2.1	3.1	6.8	9.7	10.7
120.5°	69.3	29.2	2.0	3.2	6.8	9.7	10.7
121°	64.5	21.4	1.9	3.2	6.9	9.7	10.7
121.5°	58.5	14.3	1.8	3.2	6.9	9.7	10.7
122°	51.4	9.5	1.6	3.3	6.9	9.7	10.7
122.5°	44.9	7.3	1.5	3.3	6.9	9.7	10.7
123°	38.6	6.1	1.4	3.3	6.9	9.7	10.7
123.5°	31.6	5.1	1.3	3.4	7.0	9.7	10.6
124°	24.4	4.1	1.2	3.4	7.0	9.7	10.6
124.5°	18.4	3.1	1.1	3.4	7.0	9.7	10.6
125°	15.0	2.2	1.1	3.5	7.0	9.7	10.6
125.5°	12.5	1.6	1.1	3.5	7.0	9.7	10.5
126°	9.1	1.2	1.1	3.5	7.0	9.7	10.5
126.5°	5.9	1.0	1.1	3.6	7.1	9.7	10.5
127°	4.5	0.9	1.1	3.6	7.1	9.7	10.5
127.5°	3.4	0.8	1.0	3.6	7.1	9.7	10.4
128°	2.6	0.7	1.0	3.7	7.1	9.7	10.4
128.5°	2.0	0.7	1.0	3.7	7.1	9.7	10.4
129°	1.5	0.7	1.0	3.8	7.1	9.7	10.4
129.5°	0.8	0.6	1.1	3.8	7.1	9.7	10.3
130°	0.8	0.6	1.1	3.8	7.2	9.6	10.3
130.5°	0.7	0.6	1.1	3.8	7.2	9.6	10.3
131°	0.7	0.6	1.2	3.9	7.2	9.6	10.2
131.5°	0.6	0.6	1.2	3.9	7.2	9.6	10.2
132°	0.6	0.5	1.2	3.9	7.2	9.6	10.2
132.5°	0.6	0.5	1.3	4.0	7.2	9.6	10.1
133°	0.6	0.5	1.3	4.0	7.2	9.6	10.1
133.5°	0.5	0.5	1.4	4.0	7.2	9.5	10.1
134°	0.5	0.5	1.4	4.1	7.2	9.5	10.0
134.5°	0.5	0.5	1.4	4.1	7.2	9.5	10.0

REPORT NUMBER: P1197210

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.5	0.5	1.5	4.1	7.2	9.5	10.0
135.5°	0.5	0.5	1.5	4.1	7.2	9.5	10.0
136°	0.4	0.4	1.6	4.2	7.2	9.5	10.0
136.5°	0.4	0.4	1.6	4.2	7.2	9.4	9.9
137°	0.4	0.4	1.7	4.3	7.2	9.4	9.9
137.5°	0.4	0.4	1.7	4.3	7.2	9.4	9.9
138°	0.4	0.4	1.8	4.3	7.2	9.4	9.9
138.5°	0.4	0.5	1.8	4.4	7.2	9.3	9.8
139°	0.4	0.5	1.8	4.4	7.2	9.3	9.8
139.5°	0.4	0.5	1.9	4.4	7.2	9.3	9.7
140°	0.4	0.5	1.9	4.4	7.2	9.3	9.7
140.5°	0.4	0.5	2.0	4.5	7.2	9.3	9.6
141°	0.4	0.5	2.0	4.5	7.2	9.3	9.5
141.5°	0.4	0.5	2.1	4.5	7.2	9.2	9.5
142°	0.4	0.5	2.1	4.6	7.2	9.2	9.4
142.5°	0.4	0.5	2.2	4.6	7.2	9.2	9.3
143°	0.4	0.5	2.2	4.6	7.2	9.1	9.3
143.5°	0.4	0.5	2.3	4.7	7.2	9.1	9.2
144°	0.4	0.5	2.3	4.7	7.2	9.0	9.2
144.5°	0.4	0.6	2.4	4.7	7.2	9.0	9.1
145°	0.4	0.6	2.4	4.8	7.2	9.0	9.0
145.5°	0.4	0.6	2.5	4.8	7.2	8.9	9.0
146°	0.5	0.7	2.5	4.8	7.2	8.9	8.9
146.5°	0.5	0.7	2.5	4.8	7.2	8.9	8.8
147°	0.5	0.7	2.6	4.9	7.2	8.8	8.7
147.5°	0.5	0.7	2.6	4.9	7.2	8.8	8.7
148°	0.5	0.8	2.7	4.9	7.2	8.7	8.6
148.5°	0.5	0.8	2.7	4.9	7.2	8.7	8.6
149°	0.6	0.8	2.8	5.0	7.2	8.7	8.5
149.5°	0.6	0.9	2.8	5.0	7.2	8.6	8.4
150°	0.6	0.9	2.8	5.0	7.2	8.6	8.4
150.5°	0.6	1.0	2.9	5.1	7.2	8.6	8.3
151°	0.7	1.0	2.9	5.1	7.2	8.6	8.2
151.5°	0.7	1.0	3.0	5.1	7.2	8.5	8.1
152°	0.7	1.1	3.0	5.2	7.2	8.5	8.0
152.5°	0.7	1.1	3.1	5.2	7.2	8.5	7.9
153°	0.8	1.2	3.1	5.2	7.2	8.5	7.9
153.5°	0.8	1.2	3.1	5.2	7.1	8.4	7.8
154°	0.8	1.2	3.2	5.3	7.1	8.4	7.7
154.5°	0.9	1.3	3.2	5.3	7.1	8.4	7.6
155°	0.9	1.4	3.3	5.3	7.1	8.3	7.5
155.5°	0.9	1.4	3.3	5.3	7.1	8.3	7.4
156°	0.9	1.4	3.4	5.4	7.1	8.2	7.3
156.5°	0.9	1.5	3.4	5.4	7.1	8.2	7.2
157°	1.0	1.6	3.5	5.4	7.1	8.1	7.2

REPORT NUMBER: P1197210

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.0	1.6	3.5	5.4	7.1	8.1	7.1
158°	1.0	1.7	3.6	5.5	7.1	8.0	7.0
158.5°	1.1	1.7	3.6	5.5	7.1	8.0	7.0
159°	1.1	1.8	3.7	5.5	7.0	7.9	6.9
159.5°	1.1	1.8	3.7	5.5	7.0	7.9	6.8
160°	1.2	1.9	3.8	5.5	7.0	7.8	6.7
160.5°	1.2	1.9	3.8	5.6	7.0	7.8	6.6
161°	1.3	2.0	3.9	5.6	7.0	7.7	6.5
161.5°	1.3	2.1	3.9	5.6	7.0	7.7	6.4
162°	1.4	2.1	4.0	5.6	7.0	7.6	6.3
162.5°	1.4	2.2	4.0	5.6	7.0	7.6	6.2
163°	1.5	2.3	4.1	5.6	7.0	7.5	6.1
163.5°	1.5	2.3	4.1	5.7	7.0	7.5	6.0
164°	1.6	2.4	4.2	5.7	7.0	7.4	5.9
164.5°	1.7	2.5	4.2	5.7	7.0	7.4	5.8
165°	1.7	2.5	4.3	5.8	6.9	7.4	5.8
165.5°	1.8	2.6	4.3	5.8	6.9	7.3	5.7
166°	1.8	2.7	4.4	5.8	6.9	7.3	5.6
166.5°	1.9	2.7	4.4	5.8	6.9	7.2	5.5
167°	2.0	2.8	4.4	5.8	6.8	7.2	5.5
167.5°	2.0	2.9	4.5	5.9	6.8	7.1	5.4
168°	2.1	3.0	4.5	5.9	6.8	7.1	5.3
168.5°	2.1	3.0	4.6	5.9	6.8	7.0	5.2
169°	2.2	3.1	4.6	5.9	6.8	7.0	5.1
169.5°	2.3	3.2	4.7	5.9	6.8	6.9	5.0
170°	2.3	3.3	4.7	5.9	6.7	6.9	4.9
170.5°	2.4	3.3	4.8	5.9	6.7	6.8	4.9
171°	2.4	3.4	4.8	5.9	6.7	6.8	4.8
171.5°	2.5	3.5	4.9	6.0	6.7	6.7	4.7
172°	2.6	3.6	4.9	6.0	6.6	6.7	4.6
172.5°	2.6	3.6	4.9	6.0	6.6	6.6	4.5
173°	2.7	3.7	5.0	6.0	6.6	6.5	4.5
173.5°	2.7	3.8	5.0	6.0	6.5	6.5	4.4
174°	2.8	3.8	5.1	6.0	6.5	6.4	4.3
174.5°	2.8	3.9	5.1	6.0	6.5	6.4	4.2
175°	2.9	4.0	5.2	6.0	6.5	6.3	4.2
175.5°	2.9	4.0	5.2	6.0	6.4	6.3	4.1
176°	3.0	4.1	5.3	6.0	6.4	6.2	4.0
176.5°	3.0	4.2	5.3	6.0	6.4	6.2	4.0
177°	3.1	4.2	5.4	6.1	6.4	6.1	3.9
177.5°	3.2	4.3	5.4	6.1	6.3	6.0	3.8
178°	3.2	4.4	5.4	6.1	6.3	6.0	3.8
178.5°	3.3	4.4	5.5	6.1	6.2	5.9	3.7
179°	3.4	4.5	5.5	6.1	6.2	5.9	3.6
179.5°	3.4	4.6	5.5	6.1	6.2	5.8	3.6



REPORT NUMBER: P1197210
CATALOG NUMBER: AWPS75S-BZ-MID-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)