

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: P1197213

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

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197213
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-5000K-POSITION 45
Description: AWP Architectural
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 8994.4 lumens
Efficiency: 92.5%
Efficacy: 135.7 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): 66.3
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

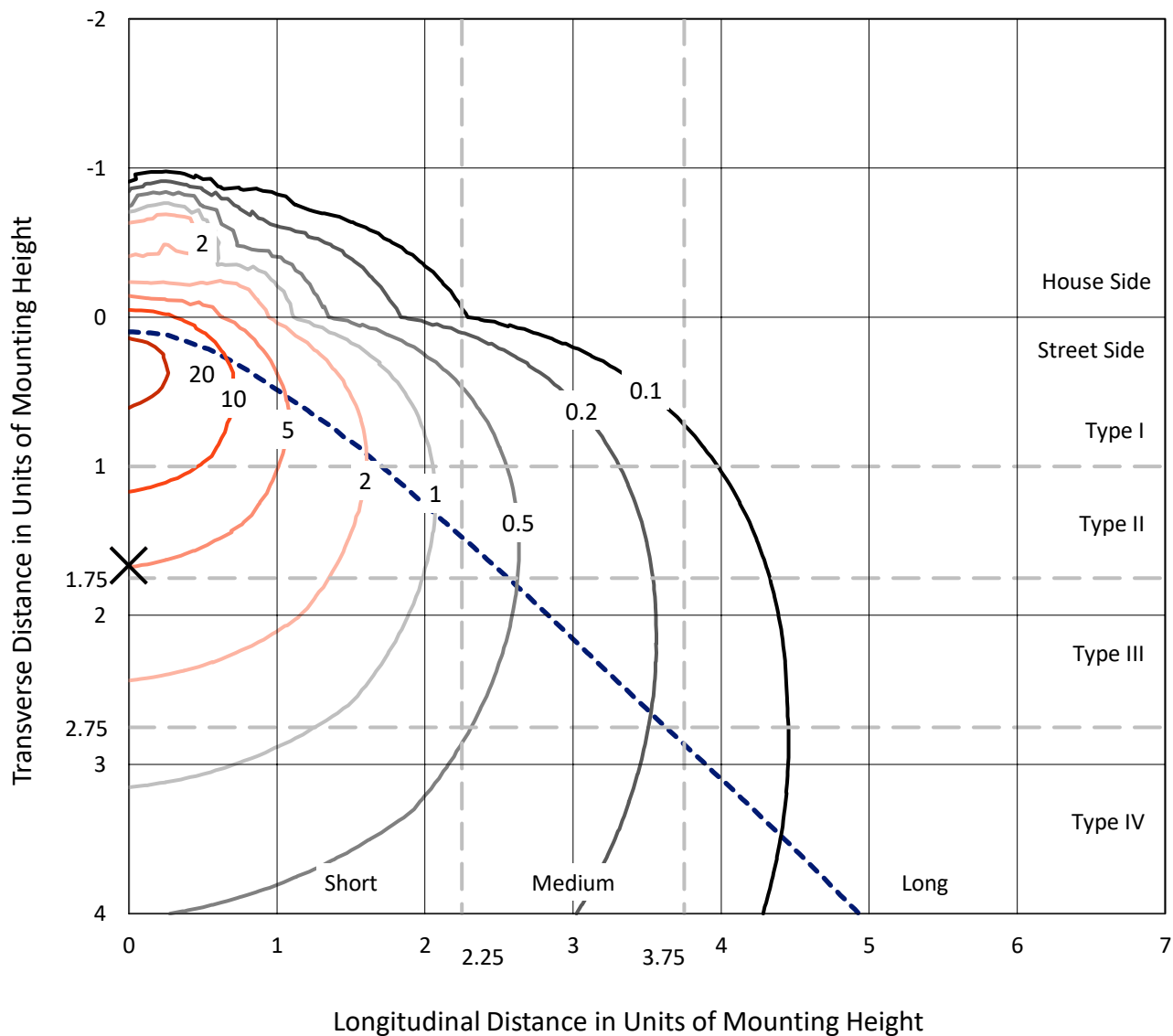
REPORT NUMBER: P1197213

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

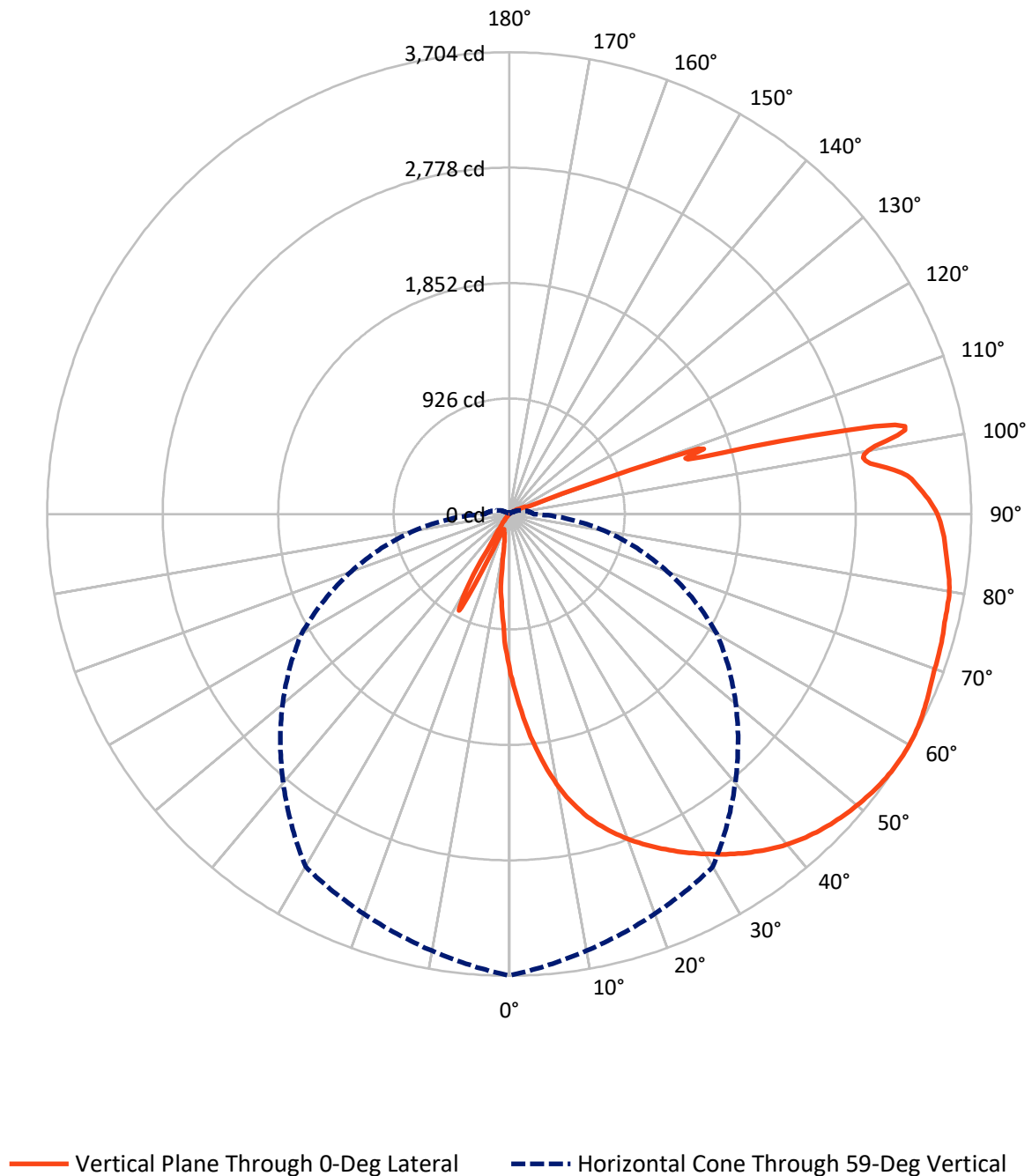


Based on 10 foot mounting height. Maximum calculated value = 23.1 fc
Type IV - Short - Non-Cutoff

REPORT NUMBER: P1197213

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1197213

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

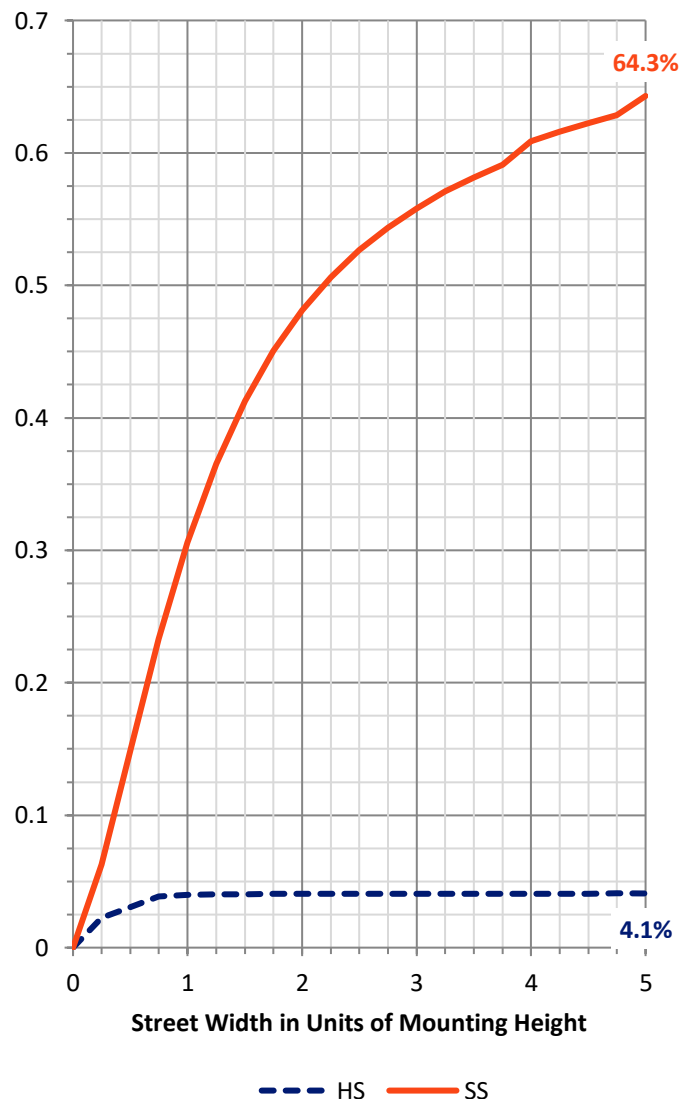
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	400.1	22.2	422.4
	% Lamp	4.1	0.2	4.3
Street Side	Lumens	7066.5	1505.6	8572.1
	% Lamp	72.7	15.5	88.2
Total	Lumens	7466.6	1527.8	8994.4
	% Lamp	76.8	15.7	92.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	121.9	1.4	1.3
10°-20°	357.3	4.0	3.7
20°-30°	616.8	6.9	6.3
30°-40°	876.6	9.7	9.0
40°-50°	995.3	11.1	10.2
50°-60°	1102.5	12.3	11.3
60°-70°	1160.4	12.9	11.9
70°-80°	1154.0	12.8	11.9
80°-90°	1081.8	12.0	11.1
90°-100°	1004.5	11.2	10.3
100°-110°	476.8	5.3	4.9
110°-120°	29.5	0.3	0.3
120°-130°	6.6	0.1	0.1
130°-140°	3.5	0.0	0.0
140°-150°	2.9	0.0	0.0
150°-160°	2.2	0.0	0.0
160°-170°	1.4	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	7466.6	83.0	76.8
0°-180°	8994.4	100.0	92.5

Coefficient of Utilization



REPORT NUMBER: P1197213

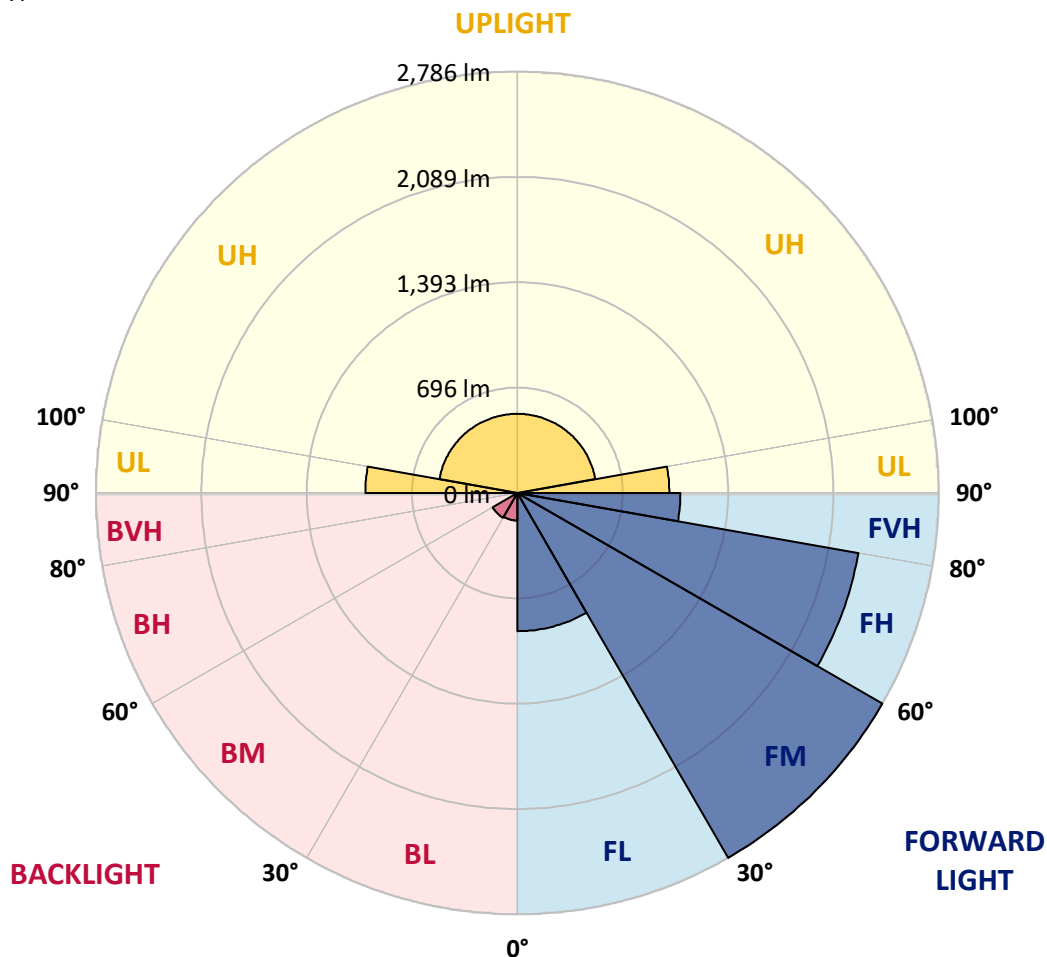
CATALOG NUMBER: AWPS75S-BZ-MID-5000K-POSITION 45

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	913.9	9.4			
FM	(30°-60°)	2785.7	28.7			
FH	(60°-80°)	2289.4	23.6			G2/5000
FVH	(80°-90°)	1077.5	11.1			G5
BL	(0°-30°)	182.2	1.9	B1/500		
BM	(30°-60°)	188.7	1.9	B0/220		
BH	(60°-80°)	25.0	0.3	B0/110		G0/110
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	1004.5	10.3		U5	
UH	(100°-180°)	523.3	5.4		U4/1000	
Trapped Light		725.6	7.5			

BUG Rating: B1-U5-G5

Type IV Short



REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1291.3	1291.3	1291.3	1291.3	1291.3	1291.3	1291.3
0.5°	1321.7	1349.1	1333.1	1310.5	1269.5	1215.9	1220.2
1°	1372.6	1393.4	1359.2	1310.4	1244.0	1172.0	1171.3
1.5°	1424.5	1440.0	1385.4	1309.3	1218.7	1131.0	1120.5
2°	1476.4	1483.8	1410.1	1308.7	1193.7	1087.9	1073.1
2.5°	1530.3	1529.6	1435.7	1307.2	1167.9	1047.2	1018.5
3°	1581.9	1575.2	1460.7	1305.5	1141.6	1000.4	954.1
3.5°	1636.0	1619.2	1485.2	1304.2	1115.6	943.9	891.2
4°	1687.8	1665.1	1510.3	1302.2	1089.0	888.3	835.4
4.5°	1740.0	1708.4	1535.2	1300.1	1064.1	839.9	785.7
5°	1790.8	1753.5	1559.1	1297.5	1040.1	796.6	744.2
5.5°	1840.1	1796.1	1582.9	1294.7	1012.8	755.6	706.0
6°	1889.9	1837.4	1606.9	1291.4	983.0	720.9	670.8
6.5°	1937.5	1879.7	1629.9	1287.5	949.7	689.4	631.7
7°	1985.3	1920.4	1653.8	1283.5	914.3	658.4	582.6
7.5°	2031.8	1960.0	1676.8	1279.3	881.6	624.9	516.4
8°	2076.3	1999.5	1698.6	1275.2	849.5	583.0	441.6
8.5°	2120.1	2036.3	1720.5	1270.5	818.3	526.9	366.6
9°	2160.7	2073.4	1742.5	1265.6	788.0	464.3	305.0
9.5°	2201.3	2108.8	1762.9	1260.9	760.4	399.1	261.3
10°	2241.5	2143.3	1783.2	1255.5	733.8	336.3	242.5
10.5°	2279.5	2178.0	1804.3	1249.8	708.9	284.6	224.6
11°	2315.1	2209.9	1823.1	1244.1	686.1	247.7	207.2
11.5°	2350.6	2240.8	1842.4	1237.7	665.7	230.7	190.1
12°	2384.0	2271.2	1861.6	1231.3	646.1	215.0	181.6
12.5°	2416.2	2300.0	1879.3	1224.9	625.6	199.4	175.5
13°	2447.5	2328.0	1897.3	1217.7	604.5	183.8	171.5
13.5°	2478.0	2355.3	1914.8	1210.8	581.3	175.5	168.5
14°	2507.2	2381.2	1930.6	1202.8	546.2	168.9	166.1
14.5°	2535.6	2406.3	1946.4	1194.2	511.1	164.1	164.3
15°	2562.2	2430.2	1962.8	1186.3	476.2	161.2	162.5
15.5°	2587.7	2453.6	1978.0	1177.3	441.2	159.7	160.0
16°	2613.0	2475.9	1992.0	1168.8	406.2	158.8	155.9
16.5°	2638.2	2497.7	2006.7	1159.8	365.6	158.5	150.0
17°	2661.4	2518.6	2020.5	1150.2	325.8	158.5	143.6
17.5°	2685.4	2538.7	2033.5	1141.2	291.9	158.8	138.1
18°	2708.1	2557.6	2045.7	1131.3	261.9	159.5	132.3
18.5°	2729.9	2576.7	2057.7	1121.2	237.2	159.8	128.2
19°	2751.6	2593.8	2069.1	1112.4	219.3	159.1	127.4
19.5°	2772.4	2611.3	2080.6	1102.1	205.4	156.9	127.9
20°	2793.3	2629.3	2092.1	1092.6	194.7	153.0	128.9
20.5°	2814.1	2645.0	2101.8	1082.7	186.8	148.3	130.7
21°	2834.7	2660.7	2111.5	1072.9	180.4	140.6	134.0
21.5°	2854.0	2676.9	2120.9	1062.5	175.7	134.9	143.5
22°	2873.0	2692.0	2129.7	1052.4	172.1	132.4	159.9

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	2892.9	2706.5	2137.8	1042.3	169.8	131.1	175.0
23°	2911.9	2721.6	2145.7	1031.3	168.4	130.3	183.0
23.5°	2930.5	2736.8	2152.8	1020.6	167.5	129.7	190.5
24°	2949.0	2750.1	2159.2	1009.2	167.0	128.3	206.8
24.5°	2968.1	2763.8	2166.2	997.0	166.1	127.0	242.0
25°	2986.1	2777.3	2172.0	986.1	165.2	128.1	303.0
25.5°	3005.2	2790.4	2177.6	974.6	164.3	132.9	409.2
26°	3023.7	2803.7	2182.6	962.7	163.5	140.4	517.3
26.5°	3041.4	2817.0	2187.0	950.8	163.0	150.6	625.5
27°	3059.7	2829.9	2191.4	939.7	162.9	167.9	734.0
27.5°	3077.3	2843.4	2195.3	928.0	163.2	194.6	842.4
28°	3095.5	2856.4	2198.4	916.1	163.4	215.8	872.3
28.5°	3113.9	2868.6	2201.0	904.6	163.0	229.5	853.7
29°	3132.2	2881.0	2203.9	892.3	162.2	245.6	807.1
29.5°	3149.1	2894.1	2206.2	880.6	161.0	273.6	759.5
30°	3166.5	2906.4	2208.2	869.5	160.5	318.4	710.9
30.5°	3184.8	2918.7	2209.6	858.0	160.8	378.8	657.5
31°	3201.9	2931.0	2211.0	846.6	161.3	438.3	562.9
31.5°	3218.6	2942.4	2211.7	837.4	161.8	497.0	443.6
32°	3236.2	2954.3	2211.9	827.6	162.4	556.2	340.7
32.5°	3252.4	2966.9	2212.6	818.2	163.1	616.0	256.8
33°	3269.1	2979.0	2212.4	810.0	163.7	677.4	223.6
33.5°	3285.9	2991.0	2212.1	801.6	162.4	675.6	192.5
34°	3302.5	3002.5	2211.5	792.3	160.5	656.4	160.7
34.5°	3318.3	3014.6	2210.2	783.1	157.2	622.1	128.9
35°	3333.4	3025.4	2208.7	772.9	152.7	586.7	117.0
35.5°	3348.7	3037.1	2207.0	761.5	149.6	555.9	106.5
36°	3363.5	3047.3	2204.7	750.0	146.6	524.0	96.8
36.5°	3378.6	3058.3	2202.2	735.9	143.4	489.1	87.7
37°	3393.1	3068.8	2199.8	720.0	140.2	446.0	78.9
37.5°	3407.3	3079.7	2196.7	704.5	137.0	405.8	71.2
38°	3420.8	3089.7	2193.5	688.0	133.6	364.7	64.0
38.5°	3434.9	3099.2	2189.7	671.3	130.2	318.0	57.3
39°	3448.6	3108.7	2186.2	655.0	126.8	270.6	51.1
39.5°	3461.2	3118.3	2182.7	639.6	123.5	240.6	45.5
40°	3473.7	3127.4	2178.1	623.3	119.4	211.3	40.1
40.5°	3485.1	3136.7	2173.9	608.2	115.4	182.1	35.1
41°	3496.4	3145.4	2169.6	592.5	111.9	152.9	30.7
41.5°	3507.4	3154.1	2165.1	576.0	109.0	123.7	26.3
42°	3517.9	3162.2	2160.3	559.3	106.6	108.3	22.1
42.5°	3528.1	3170.6	2154.9	543.0	104.2	95.2	18.5
43°	3537.9	3178.3	2149.0	524.2	101.8	83.1	15.5
43.5°	3547.0	3185.9	2143.5	506.0	99.5	72.8	13.9
44°	3555.9	3193.2	2138.0	487.9	97.3	63.3	12.7
44.5°	3564.5	3199.9	2132.0	468.7	95.1	55.1	11.6

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3573.4	3206.7	2125.9	448.2	92.6	47.0	10.5
45.5°	3581.4	3212.4	2119.7	428.5	89.8	37.5	9.5
46°	3589.1	3217.7	2113.7	407.3	87.6	30.7	8.7
46.5°	3596.8	3222.9	2107.5	387.4	85.6	24.8	8.0
47°	3603.5	3228.0	2101.1	367.9	83.6	16.6	7.1
47.5°	3611.1	3232.7	2094.5	349.8	81.7	10.2	5.9
48°	3617.8	3236.8	2088.1	332.5	79.9	8.8	5.2
48.5°	3624.8	3240.8	2081.5	317.3	78.2	8.4	4.7
49°	3632.1	3244.7	2074.6	303.3	76.2	8.1	4.3
49.5°	3638.0	3248.3	2067.6	291.3	74.2	7.9	3.9
50°	3644.2	3251.8	2060.5	281.3	72.0	7.6	3.6
50.5°	3650.2	3255.3	2053.3	271.9	69.7	7.3	3.4
51°	3655.5	3257.9	2046.0	263.6	67.3	6.9	3.4
51.5°	3661.0	3260.6	2038.2	256.0	64.8	6.4	3.3
52°	3666.5	3262.7	2030.6	250.2	62.2	5.6	3.2
52.5°	3671.5	3265.1	2023.4	244.3	59.5	5.1	3.2
53°	3676.2	3267.3	2016.3	238.5	56.8	4.7	3.1
53.5°	3680.3	3269.1	2008.9	232.7	54.2	4.3	3.1
54°	3685.3	3270.7	2001.8	228.8	52.0	4.0	3.1
54.5°	3688.9	3271.9	1994.9	225.2	50.0	3.7	3.1
55°	3692.5	3272.7	1987.5	222.0	48.3	3.5	3.1
55.5°	3695.2	3273.2	1979.8	218.7	46.4	3.3	3.1
56°	3697.5	3273.1	1972.1	215.7	44.5	3.2	3.1
56.5°	3699.8	3272.6	1965.0	212.6	42.3	3.1	3.1
57°	3701.5	3272.2	1957.3	209.3	39.7	2.9	3.1
57.5°	3702.4	3271.3	1949.1	206.1	36.9	2.9	3.2
58°	3703.5	3269.9	1940.9	202.9	33.6	2.8	3.3
58.5°	3703.8	3268.4	1932.4	199.8	30.3	2.7	3.4
59°	3704.1	3266.5	1923.0	196.9	26.8	2.6	3.4
59.5°	3703.6	3264.4	1914.1	193.8	23.5	2.6	3.5
60°	3702.7	3261.6	1905.1	190.8	20.4	2.6	3.6
60.5°	3701.6	3257.7	1895.1	187.8	17.3	2.6	3.6
61°	3699.5	3254.1	1884.5	185.0	14.2	2.6	3.7
61.5°	3697.3	3250.5	1874.5	182.1	11.4	2.6	3.8
62°	3694.8	3247.1	1863.8	179.1	8.7	2.6	3.9
62.5°	3691.6	3242.8	1852.7	176.1	6.2	2.6	4.0
63°	3688.3	3238.0	1841.4	173.3	4.9	2.6	4.0
63.5°	3684.5	3233.9	1829.6	170.5	4.4	2.7	4.1
64°	3680.1	3229.2	1817.4	167.8	4.1	2.7	4.2
64.5°	3676.3	3223.7	1805.8	165.1	4.0	2.8	4.3
65°	3671.8	3218.1	1794.1	162.4	4.0	2.8	4.4
65.5°	3666.7	3212.6	1782.0	159.8	3.9	2.9	4.5
66°	3661.7	3206.3	1770.6	157.2	3.8	3.0	4.7
66.5°	3657.2	3201.3	1758.9	154.5	3.5	3.1	4.8
67°	3652.2	3194.6	1746.9	151.6	3.4	3.2	4.9

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3648.1	3187.7	1736.1	148.6	3.3	3.2	5.0
68°	3643.3	3181.7	1725.5	145.7	3.2	3.3	5.1
68.5°	3639.3	3174.7	1714.5	142.5	3.2	3.4	5.2
69°	3635.1	3168.7	1703.9	139.4	3.1	3.5	5.3
69.5°	3631.8	3162.7	1693.5	136.1	3.1	3.6	5.4
70°	3628.7	3157.2	1683.0	132.8	3.1	3.7	5.5
70.5°	3626.1	3151.1	1672.4	129.3	3.1	3.8	5.7
71°	3624.0	3146.0	1661.6	125.8	3.1	3.9	5.8
71.5°	3622.1	3140.4	1649.7	122.0	3.1	4.0	5.9
72°	3620.1	3134.8	1638.5	118.4	3.1	4.1	6.0
72.5°	3617.3	3129.2	1626.4	114.2	3.1	4.2	6.1
73°	3614.9	3122.8	1612.1	109.9	3.1	4.3	6.3
73.5°	3611.6	3116.3	1598.4	105.2	3.2	4.4	6.4
74°	3608.5	3110.0	1583.9	99.6	3.2	4.5	6.5
74.5°	3604.2	3102.0	1568.2	94.1	3.2	4.6	6.6
75°	3600.7	3094.6	1553.1	88.5	3.2	4.7	6.7
75.5°	3597.8	3087.2	1537.8	82.9	3.2	4.8	6.8
76°	3595.9	3080.9	1522.1	77.2	3.3	4.9	6.9
76.5°	3594.1	3074.6	1506.5	72.1	3.3	5.0	7.0
77°	3592.6	3069.4	1490.6	67.1	3.3	5.1	7.1
77.5°	3591.2	3065.0	1473.6	62.4	3.4	5.2	7.2
78°	3589.3	3061.2	1457.8	58.1	3.4	5.3	7.3
78.5°	3588.2	3057.5	1442.6	53.8	3.5	5.4	7.4
79°	3586.3	3053.6	1426.3	49.6	3.5	5.5	7.5
79.5°	3583.3	3048.4	1409.7	45.6	3.6	5.6	7.6
80°	3578.7	3043.7	1391.6	41.6	3.6	5.6	7.7
80.5°	3572.3	3037.0	1369.9	37.8	3.7	5.7	7.8
81°	3565.5	3030.0	1345.3	34.4	3.7	5.8	7.9
81.5°	3558.2	3021.5	1321.3	31.2	3.8	5.9	7.9
82°	3549.8	3013.5	1297.7	28.2	3.8	6.0	8.0
82.5°	3542.4	3004.7	1274.2	25.6	3.9	6.1	8.1
83°	3535.4	2997.5	1250.4	23.2	4.0	6.1	8.2
83.5°	3528.5	2991.3	1226.7	20.8	4.0	6.2	8.3
84°	3522.1	2987.6	1205.7	18.8	4.1	6.3	8.4
84.5°	3515.1	2983.6	1184.6	16.8	4.1	6.4	8.4
85°	3508.1	2981.0	1164.2	15.1	4.2	6.5	8.5
85.5°	3502.8	2977.0	1143.4	13.5	4.2	6.6	8.6
86°	3496.4	2973.1	1124.4	12.0	4.3	6.6	8.7
86.5°	3490.2	2970.0	1106.8	10.6	4.3	6.7	8.7
87°	3482.6	2967.5	1090.3	9.3	4.3	6.8	8.8
87.5°	3474.1	2964.4	1073.5	8.1	4.4	6.8	8.8
88°	3465.4	2962.1	1060.1	6.9	4.4	6.9	8.9
88.5°	3457.4	2959.8	1047.3	5.8	4.5	7.0	9.0
89°	3446.5	2956.4	1035.4	4.9	4.5	7.0	9.1
89.5°	3433.0	2952.3	1024.7	4.1	4.6	7.1	9.1

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3418.8	2947.9	1016.8	3.3	4.6	7.2	9.2
90.5°	3401.4	2944.3	1011.2	2.8	4.7	7.2	9.3
91°	3382.8	2941.8	1004.7	2.7	4.7	7.3	9.3
91.5°	3363.7	2938.4	1001.9	2.6	4.7	7.3	9.4
92°	3343.0	2934.6	1002.3	2.6	4.8	7.4	9.4
92.5°	3321.5	2930.1	1007.6	2.6	4.8	7.5	9.4
93°	3300.1	2926.0	1017.4	2.5	4.8	7.6	9.5
93.5°	3279.6	2923.2	1036.8	2.5	4.9	7.7	9.5
94°	3258.0	2920.8	1065.9	2.4	4.9	7.7	9.5
94.5°	3237.1	2914.8	1093.6	2.4	5.0	7.8	9.6
95°	3208.9	2903.0	1113.8	2.4	5.0	7.9	9.6
95.5°	3164.3	2881.2	1118.5	2.4	5.1	7.9	9.7
96°	3107.9	2858.4	1108.0	2.3	5.1	8.0	9.7
96.5°	3048.0	2845.5	1091.7	2.3	5.2	8.0	9.7
97°	2980.7	2859.0	1075.5	2.3	5.2	8.1	9.8
97.5°	2922.2	2883.5	1047.8	2.3	5.2	8.2	9.8
98°	2887.8	2927.9	1004.1	2.3	5.3	8.2	9.8
98.5°	2874.9	2969.1	936.2	2.3	5.3	8.3	9.9
99°	2884.6	2989.5	839.2	2.2	5.4	8.4	9.9
99.5°	2919.3	2966.8	740.6	2.2	5.4	8.4	9.9
100°	2983.2	2885.8	642.1	2.2	5.4	8.5	9.9
100.5°	3079.5	2725.8	543.6	2.2	5.5	8.5	10.0
101°	3176.2	2499.3	445.0	2.2	5.5	8.6	10.0
101.5°	3244.1	2227.5	347.8	2.2	5.6	8.6	10.0
102°	3248.9	1962.1	273.2	2.2	5.6	8.7	10.0
102.5°	3176.6	1736.3	206.0	2.2	5.7	8.7	10.0
103°	3013.0	1549.8	168.7	2.2	5.7	8.7	10.1
103.5°	2773.1	1408.2	156.9	2.2	5.7	8.8	10.1
104°	2501.5	1351.2	162.3	2.2	5.8	8.8	10.1
104.5°	2258.1	1392.6	177.5	2.3	5.8	8.8	10.1
105°	2018.7	1505.3	181.5	2.3	5.8	8.8	10.1
105.5°	1786.0	1601.4	179.2	2.3	5.9	8.9	10.2
106°	1617.3	1569.7	175.4	2.3	5.9	8.9	10.2
106.5°	1496.3	1376.1	170.5	2.3	5.9	8.9	10.2
107°	1482.9	1051.9	161.8	2.3	5.9	9.0	10.2
107.5°	1561.5	710.6	144.8	2.3	6.0	9.0	10.2
108°	1644.6	413.6	113.5	2.3	6.0	9.0	10.2
108.5°	1601.9	235.4	89.4	2.4	6.0	9.0	10.2
109°	1315.3	198.5	76.9	2.4	6.1	9.1	10.2
109.5°	1029.1	168.3	63.9	2.4	6.1	9.1	10.2
110°	742.8	138.0	45.5	2.4	6.1	9.1	10.3
110.5°	456.4	107.8	31.5	2.5	6.1	9.1	10.3
111°	181.9	107.5	26.7	2.5	6.2	9.1	10.3
111.5°	147.5	107.1	22.2	2.5	6.2	9.1	10.3
112°	141.2	102.9	18.2	2.5	6.2	9.1	10.3

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	140.3	92.3	14.5	2.6	6.2	9.1	10.3
113°	142.1	83.7	11.8	2.6	6.3	9.2	10.3
113.5°	141.9	78.0	9.9	2.6	6.3	9.2	10.3
114°	139.3	70.9	8.4	2.6	6.3	9.2	10.3
114.5°	131.0	62.7	7.2	2.7	6.3	9.2	10.3
115°	119.2	56.6	6.1	2.7	6.4	9.2	10.3
115.5°	110.4	53.6	5.1	2.7	6.4	9.2	10.3
116°	105.4	51.8	4.3	2.7	6.4	9.2	10.3
116.5°	97.8	50.9	3.8	2.8	6.4	9.2	10.3
117°	88.3	50.6	3.4	2.8	6.4	9.2	10.3
117.5°	81.9	50.3	3.1	2.8	6.5	9.3	10.3
118°	78.5	49.1	2.8	2.9	6.5	9.3	10.3
118.5°	77.1	46.7	2.6	2.9	6.5	9.3	10.3
119°	75.1	42.8	2.4	2.9	6.5	9.3	10.3
119.5°	72.6	38.6	2.2	3.0	6.5	9.3	10.3
120°	69.7	34.1	2.0	3.0	6.5	9.3	10.3
120.5°	66.4	28.0	1.9	3.0	6.6	9.3	10.3
121°	61.8	20.5	1.8	3.0	6.6	9.3	10.3
121.5°	56.1	13.7	1.7	3.1	6.6	9.3	10.3
122°	49.2	9.1	1.6	3.1	6.6	9.3	10.3
122.5°	43.0	7.0	1.5	3.1	6.6	9.3	10.2
123°	37.0	5.9	1.4	3.2	6.7	9.3	10.2
123.5°	30.2	4.9	1.3	3.2	6.7	9.3	10.2
124°	23.4	3.9	1.2	3.2	6.7	9.3	10.2
124.5°	17.7	3.0	1.1	3.3	6.7	9.3	10.1
125°	14.4	2.1	1.1	3.3	6.7	9.3	10.1
125.5°	12.0	1.5	1.0	3.3	6.7	9.3	10.1
126°	8.7	1.1	1.0	3.4	6.7	9.3	10.1
126.5°	5.6	0.9	1.0	3.4	6.8	9.3	10.1
127°	4.3	0.8	1.0	3.4	6.8	9.3	10.0
127.5°	3.2	0.8	1.0	3.5	6.8	9.3	10.0
128°	2.5	0.7	1.0	3.5	6.8	9.3	10.0
128.5°	1.9	0.7	1.0	3.5	6.8	9.3	10.0
129°	1.5	0.6	1.0	3.6	6.8	9.3	9.9
129.5°	0.8	0.6	1.0	3.6	6.8	9.2	9.9
130°	0.7	0.6	1.1	3.6	6.9	9.2	9.9
130.5°	0.7	0.6	1.1	3.7	6.9	9.2	9.8
131°	0.6	0.6	1.1	3.7	6.9	9.2	9.8
131.5°	0.6	0.5	1.2	3.7	6.9	9.2	9.8
132°	0.6	0.5	1.2	3.8	6.9	9.2	9.7
132.5°	0.6	0.5	1.2	3.8	6.9	9.2	9.7
133°	0.5	0.5	1.3	3.8	6.9	9.2	9.7
133.5°	0.5	0.5	1.3	3.9	6.9	9.1	9.6
134°	0.5	0.5	1.3	3.9	6.9	9.1	9.6
134.5°	0.5	0.4	1.4	3.9	6.9	9.1	9.6

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.5	0.4	1.4	4.0	6.9	9.1	9.6
135.5°	0.5	0.4	1.5	4.0	6.9	9.1	9.6
136°	0.4	0.4	1.5	4.0	6.9	9.1	9.6
136.5°	0.4	0.4	1.5	4.0	6.9	9.0	9.5
137°	0.4	0.4	1.6	4.1	6.9	9.0	9.5
137.5°	0.4	0.4	1.6	4.1	6.9	9.0	9.5
138°	0.4	0.4	1.7	4.1	6.9	9.0	9.4
138.5°	0.4	0.4	1.7	4.2	6.9	9.0	9.4
139°	0.4	0.4	1.8	4.2	6.9	8.9	9.4
139.5°	0.4	0.4	1.8	4.2	6.9	8.9	9.3
140°	0.4	0.4	1.9	4.3	6.9	8.9	9.3
140.5°	0.4	0.4	1.9	4.3	6.9	8.9	9.2
141°	0.3	0.4	1.9	4.3	6.9	8.9	9.1
141.5°	0.3	0.4	2.0	4.3	6.9	8.8	9.1
142°	0.3	0.4	2.0	4.4	6.9	8.8	9.0
142.5°	0.3	0.4	2.1	4.4	6.9	8.8	9.0
143°	0.4	0.5	2.1	4.4	6.9	8.7	8.9
143.5°	0.4	0.5	2.2	4.5	6.9	8.7	8.8
144°	0.4	0.5	2.2	4.5	6.9	8.7	8.8
144.5°	0.4	0.5	2.3	4.5	6.9	8.6	8.7
145°	0.4	0.6	2.3	4.6	6.9	8.6	8.7
145.5°	0.4	0.6	2.3	4.6	6.9	8.6	8.6
146°	0.4	0.6	2.4	4.6	6.9	8.5	8.5
146.5°	0.4	0.6	2.4	4.6	6.9	8.5	8.4
147°	0.5	0.7	2.5	4.7	6.9	8.4	8.4
147.5°	0.5	0.7	2.5	4.7	6.9	8.4	8.3
148°	0.5	0.7	2.6	4.7	6.9	8.4	8.3
148.5°	0.5	0.8	2.6	4.7	6.9	8.3	8.2
149°	0.5	0.8	2.6	4.8	6.9	8.3	8.1
149.5°	0.5	0.8	2.7	4.8	6.9	8.3	8.1
150°	0.6	0.9	2.7	4.8	6.9	8.3	8.0
150.5°	0.6	0.9	2.7	4.8	6.9	8.2	7.9
151°	0.6	0.9	2.8	4.9	6.8	8.2	7.9
151.5°	0.7	1.0	2.8	4.9	6.8	8.2	7.8
152°	0.7	1.0	2.9	4.9	6.8	8.1	7.7
152.5°	0.7	1.1	2.9	5.0	6.8	8.1	7.6
153°	0.7	1.1	3.0	5.0	6.8	8.1	7.5
153.5°	0.8	1.1	3.0	5.0	6.8	8.1	7.5
154°	0.8	1.2	3.1	5.0	6.8	8.0	7.4
154.5°	0.8	1.2	3.1	5.0	6.8	8.0	7.3
155°	0.8	1.3	3.1	5.1	6.8	8.0	7.2
155.5°	0.9	1.3	3.2	5.1	6.8	7.9	7.1
156°	0.9	1.4	3.2	5.1	6.8	7.9	7.0
156.5°	0.9	1.4	3.3	5.1	6.8	7.8	6.9
157°	0.9	1.5	3.3	5.2	6.8	7.8	6.9

REPORT NUMBER: P1197213

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1197213
CATALOG NUMBER: AWPS75S-BZ-MID-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)