

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: P1197061

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

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197061
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-HIGH-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: 10151 lumens
Efficiency: 104.4%
Efficacy: 133.6 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): 76
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

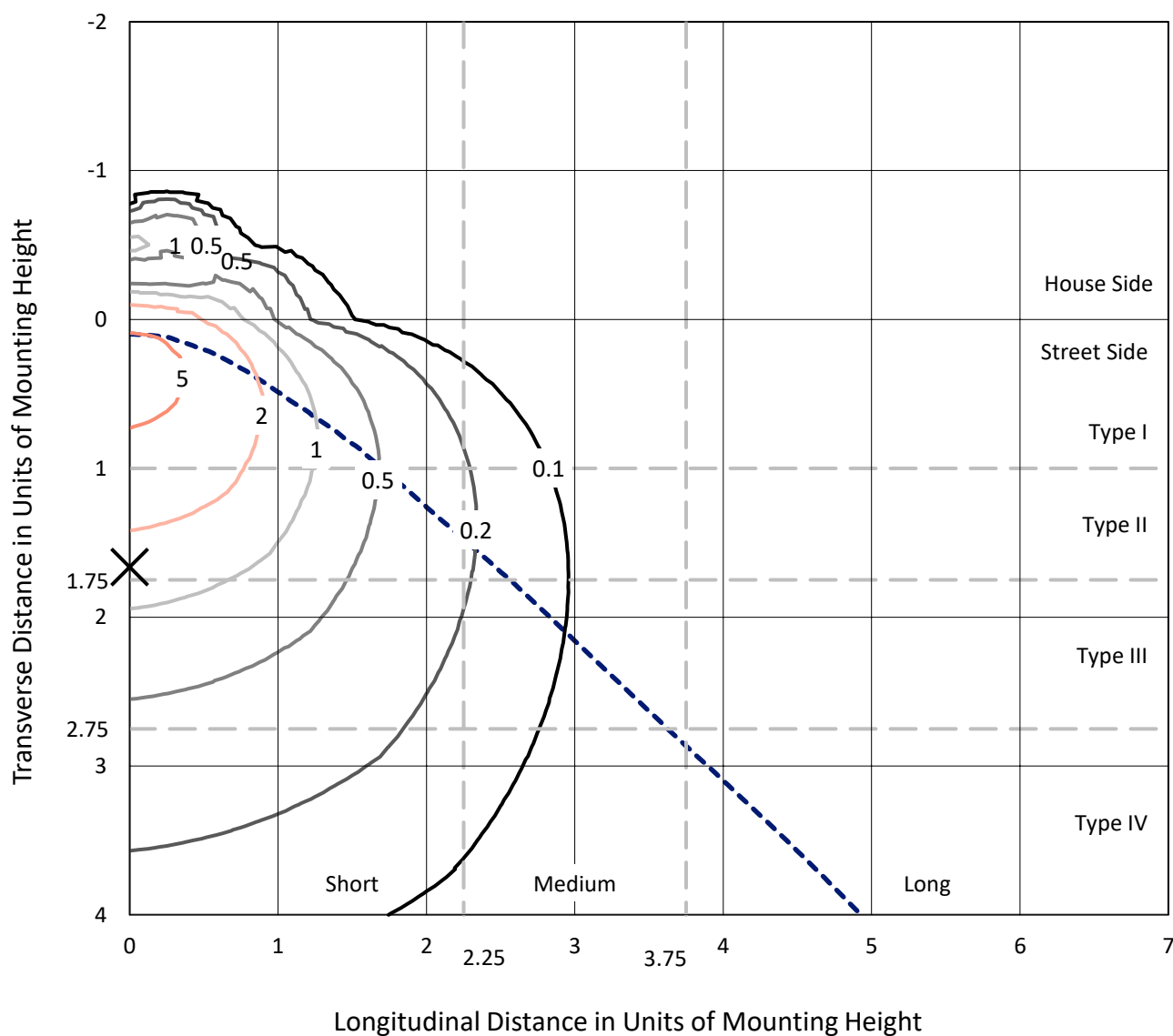
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

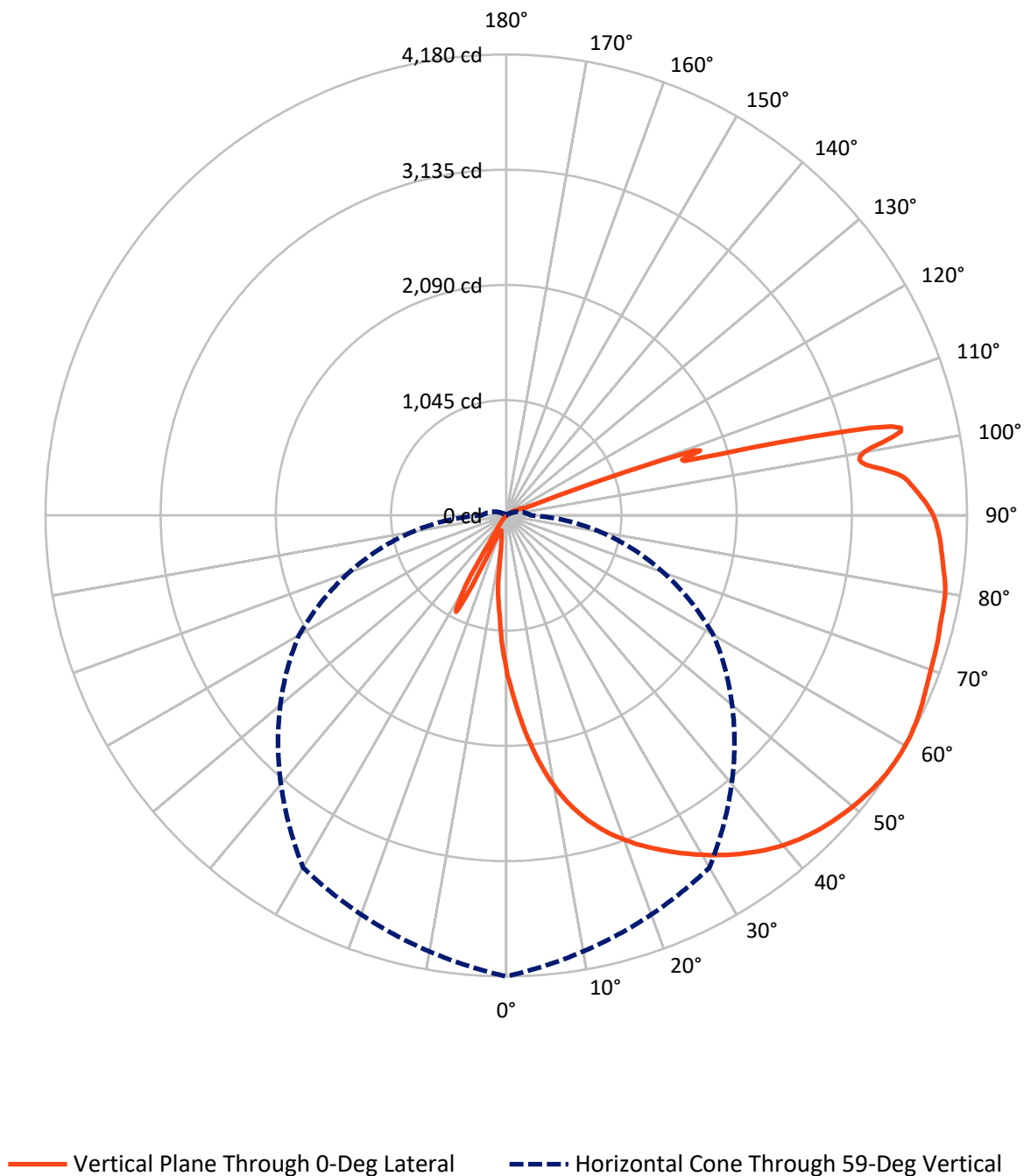


Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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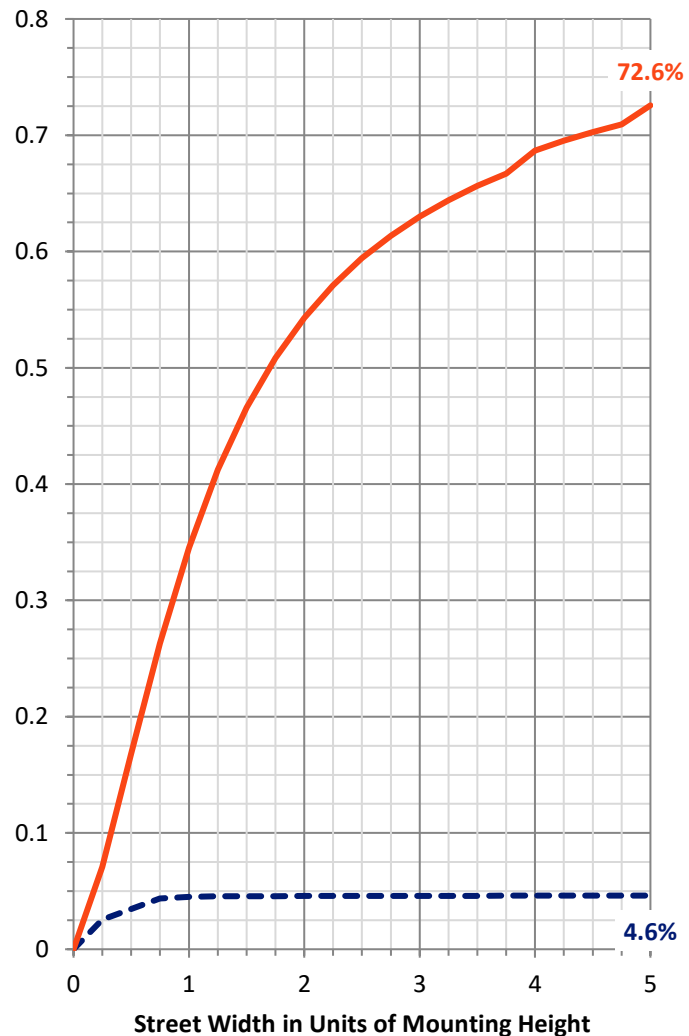
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.6	25.0	476.6
	% Lamp	4.6	0.3	4.9
Street Side	Lumens	7975.1	1699.2	9674.3
	% Lamp	82.0	17.5	99.5
Total	Lumens	8426.7	1724.3	10151.0
	% Lamp	86.7	17.7	104.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	137.6	1.4	1.4
10°-20°	403.2	4.0	4.1
20°-30°	696.1	6.9	7.2
30°-40°	989.3	9.7	10.2
40°-50°	1123.3	11.1	11.6
50°-60°	1244.2	12.3	12.8
60°-70°	1309.6	12.9	13.5
70°-80°	1302.4	12.8	13.4
80°-90°	1220.9	12.0	12.6
90°-100°	1133.7	11.2	11.7
100°-110°	538.1	5.3	5.5
110°-120°	33.3	0.3	0.3
120°-130°	7.5	0.1	0.1
130°-140°	3.9	0.0	0.0
140°-150°	3.2	0.0	0.0
150°-160°	2.5	0.0	0.0
160°-170°	1.6	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	8426.7	83.0	86.7
0°-180°	10151.0	100.0	104.4

Coefficient of Utilization



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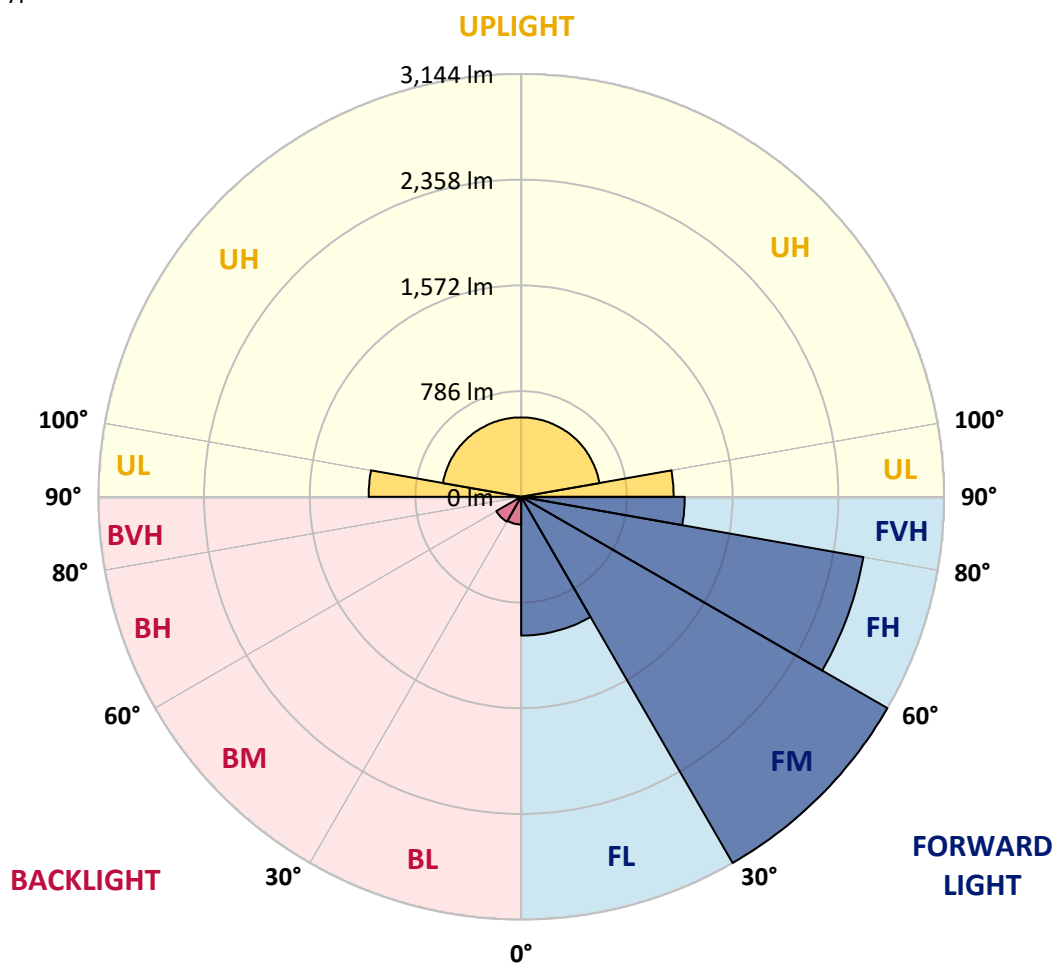
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1031.4	10.6			
FM	(30°-60°)	3143.9	32.3			
FH	(60°-80°)	2583.8	26.6			G2/5000
FVH	(80°-90°)	1216.1	12.5			G5
BL	(0°-30°)	205.6	2.1	B1/500		
BM	(30°-60°)	213.0	2.2	B0/220		
BH	(60°-80°)	28.2	0.3	B0/110		G0/110
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	1133.7	11.7		U5	
UH	(100°-180°)	590.6	6.1		U4/1000	
Trapped Light		-431.0	-4.4			

BUG Rating: B1-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1457.3	1457.3	1457.3	1457.3	1457.3	1457.3	1457.3
0.5°	1491.6	1522.6	1504.5	1479.0	1432.8	1372.3	1377.1
1°	1549.1	1572.6	1533.9	1478.9	1404.0	1322.7	1322.0
1.5°	1607.7	1625.2	1563.5	1477.7	1375.4	1276.5	1264.6
2°	1666.2	1674.6	1591.4	1477.0	1347.2	1227.8	1211.1
2.5°	1727.1	1726.3	1620.3	1475.3	1318.1	1181.8	1149.5
3°	1785.3	1777.8	1648.5	1473.4	1288.3	1129.0	1076.7
3.5°	1846.4	1827.4	1676.2	1471.9	1259.0	1065.3	1005.8
4°	1904.9	1879.2	1704.5	1469.6	1229.1	1002.5	942.8
4.5°	1963.7	1928.1	1732.6	1467.2	1200.9	947.9	886.8
5°	2021.0	1978.9	1759.6	1464.3	1173.9	899.1	839.9
5.5°	2076.7	2027.1	1786.5	1461.2	1143.0	852.8	796.8
6°	2132.9	2073.6	1813.6	1457.4	1109.4	813.6	757.0
6.5°	2186.7	2121.4	1839.5	1453.0	1071.8	778.0	713.0
7°	2240.6	2167.3	1866.4	1448.5	1031.9	743.0	657.5
7.5°	2293.1	2212.0	1892.4	1443.8	995.0	705.3	582.8
8°	2343.2	2256.6	1917.0	1439.1	958.7	658.0	498.4
8.5°	2392.7	2298.1	1941.8	1433.9	923.5	594.7	413.7
9°	2438.6	2340.1	1966.5	1428.4	889.4	524.0	344.3
9.5°	2484.4	2379.9	1989.6	1423.0	858.2	450.5	294.8
10°	2529.7	2418.9	2012.5	1417.0	828.2	379.5	273.7
10.5°	2572.6	2458.1	2036.3	1410.5	800.1	321.2	253.5
11°	2612.8	2494.1	2057.5	1404.0	774.3	279.6	233.8
11.5°	2652.8	2528.9	2079.4	1396.8	751.3	260.3	214.5
12°	2690.5	2563.3	2100.9	1389.7	729.2	242.6	205.0
12.5°	2726.9	2595.8	2120.9	1382.5	706.0	225.0	198.1
13°	2762.2	2627.3	2141.3	1374.3	682.3	207.4	193.5
13.5°	2796.6	2658.2	2161.0	1366.5	656.0	198.0	190.1
14°	2829.6	2687.4	2178.8	1357.5	616.4	190.6	187.4
14.5°	2861.6	2715.7	2196.7	1347.8	576.9	185.2	185.4
15°	2891.7	2742.7	2215.2	1338.9	537.4	182.0	183.4
15.5°	2920.4	2769.1	2232.3	1328.7	498.0	180.2	180.5
16°	2949.0	2794.2	2248.2	1319.1	458.5	179.2	175.9
16.5°	2977.4	2818.8	2264.7	1308.9	412.6	178.9	169.2
17°	3003.6	2842.5	2280.3	1298.1	367.7	178.9	162.0
17.5°	3030.7	2865.2	2294.9	1288.0	329.4	179.2	155.8
18°	3056.4	2886.5	2308.7	1276.8	295.5	180.0	149.3
18.5°	3080.9	2908.0	2322.3	1265.4	267.7	180.4	144.6
19°	3105.4	2927.4	2335.1	1255.4	247.4	179.6	143.7
19.5°	3128.8	2947.1	2348.2	1243.8	231.8	177.1	144.4
20°	3152.5	2967.3	2361.1	1233.1	219.8	172.7	145.4
20.5°	3176.0	2985.1	2372.0	1221.9	210.8	167.3	147.5
21°	3199.2	3002.8	2383.0	1210.9	203.6	158.7	151.3
21.5°	3221.0	3021.2	2393.7	1199.1	198.3	152.2	162.0
22°	3242.5	3038.2	2403.5	1187.7	194.3	149.5	180.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3264.8	3054.5	2412.7	1176.3	191.6	148.0	197.5
23°	3286.3	3071.5	2421.6	1163.9	190.1	147.0	206.5
23.5°	3307.3	3088.7	2429.6	1151.8	189.0	146.3	215.0
24°	3328.2	3103.7	2436.8	1138.9	188.5	144.8	233.4
24.5°	3349.8	3119.2	2444.7	1125.2	187.5	143.3	273.1
25°	3370.1	3134.5	2451.3	1112.9	186.4	144.6	342.0
25.5°	3391.6	3149.3	2457.7	1099.9	185.4	149.9	461.8
26°	3412.5	3164.2	2463.3	1086.4	184.6	158.5	583.8
26.5°	3432.5	3179.3	2468.2	1073.0	183.9	170.0	705.9
27°	3453.1	3193.8	2473.2	1060.5	183.8	189.4	828.4
27.5°	3473.0	3209.0	2477.6	1047.3	184.2	219.6	950.7
28°	3493.5	3223.7	2481.1	1033.9	184.4	243.6	984.5
28.5°	3514.3	3237.4	2484.0	1020.9	184.0	259.0	963.5
29°	3535.0	3251.4	2487.2	1007.0	183.0	277.2	910.8
29.5°	3554.0	3266.2	2489.9	993.8	181.7	308.8	857.2
30°	3573.6	3280.1	2492.2	981.3	181.1	359.4	802.3
30.5°	3594.3	3294.0	2493.7	968.4	181.5	427.5	742.1
31°	3613.7	3307.9	2495.3	955.5	182.0	494.6	635.3
31.5°	3632.4	3320.8	2496.1	945.1	182.6	560.9	500.6
32°	3652.3	3334.2	2496.4	934.0	183.3	627.7	384.5
32.5°	3670.6	3348.4	2497.1	923.5	184.0	695.2	289.9
33°	3689.5	3362.0	2496.9	914.2	184.8	764.6	252.3
33.5°	3708.5	3375.6	2496.5	904.7	183.3	762.5	217.2
34°	3727.1	3388.6	2495.9	894.1	181.2	740.7	181.4
34.5°	3744.9	3402.2	2494.4	883.8	177.5	702.1	145.5
35°	3762.0	3414.4	2492.7	872.3	172.3	662.1	132.1
35.5°	3779.3	3427.7	2490.8	859.4	168.8	627.3	120.2
36°	3795.9	3439.2	2488.1	846.5	165.4	591.3	109.2
36.5°	3813.0	3451.5	2485.4	830.5	161.9	552.0	98.9
37°	3829.4	3463.4	2482.6	812.6	158.2	503.4	89.1
37.5°	3845.4	3475.7	2479.2	795.1	154.6	457.9	80.4
38°	3860.7	3487.0	2475.6	776.4	150.8	411.6	72.3
38.5°	3876.6	3497.7	2471.3	757.6	146.9	358.9	64.6
39°	3892.1	3508.4	2467.3	739.2	143.1	305.4	57.7
39.5°	3906.3	3519.3	2463.3	721.8	139.4	271.5	51.3
40°	3920.3	3529.5	2458.2	703.4	134.8	238.5	45.3
40.5°	3933.2	3540.1	2453.5	686.4	130.2	205.5	39.6
41°	3946.0	3549.8	2448.6	668.6	126.3	172.6	34.6
41.5°	3958.4	3559.6	2443.5	650.1	123.0	139.6	29.7
42°	3970.2	3568.8	2438.1	631.3	120.3	122.3	24.9
42.5°	3981.7	3578.2	2432.0	612.8	117.6	107.5	20.8
43°	3992.8	3587.0	2425.3	591.7	114.9	93.8	17.5
43.5°	4003.1	3595.6	2419.1	571.1	112.3	82.2	15.7
44°	4013.1	3603.8	2413.0	550.6	109.8	71.5	14.3
44.5°	4022.8	3611.3	2406.2	528.9	107.3	62.2	13.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4032.9	3619.0	2399.2	505.9	104.5	53.1	11.9
45.5°	4041.9	3625.4	2392.2	483.6	101.3	42.3	10.7
46°	4050.7	3631.5	2385.5	459.7	98.8	34.7	9.8
46.5°	4059.3	3637.3	2378.5	437.3	96.6	28.0	9.0
47°	4066.9	3643.0	2371.3	415.2	94.3	18.8	8.0
47.5°	4075.4	3648.4	2363.8	394.8	92.2	11.5	6.6
48°	4083.0	3653.0	2356.6	375.3	90.2	10.0	5.9
48.5°	4090.9	3657.6	2349.2	358.1	88.2	9.5	5.4
49°	4099.1	3661.9	2341.3	342.3	86.0	9.2	4.8
49.5°	4105.8	3665.9	2333.4	328.7	83.8	8.9	4.4
50°	4112.8	3670.0	2325.4	317.4	81.3	8.6	4.1
50.5°	4119.6	3673.9	2317.3	306.9	78.7	8.2	3.9
51°	4125.6	3676.9	2309.1	297.5	75.9	7.8	3.8
51.5°	4131.7	3679.8	2300.3	288.9	73.1	7.2	3.7
52°	4138.0	3682.3	2291.7	282.3	70.1	6.3	3.6
52.5°	4143.6	3685.0	2283.6	275.8	67.2	5.8	3.6
53°	4148.9	3687.4	2275.5	269.2	64.1	5.3	3.5
53.5°	4153.5	3689.5	2267.2	262.6	61.2	4.9	3.5
54°	4159.2	3691.3	2259.3	258.2	58.7	4.5	3.5
54.5°	4163.2	3692.6	2251.5	254.2	56.5	4.2	3.5
55°	4167.3	3693.5	2243.1	250.6	54.5	4.0	3.5
55.5°	4170.3	3694.1	2234.3	246.8	52.4	3.8	3.5
56°	4172.9	3694.0	2225.7	243.5	50.2	3.6	3.5
56.5°	4175.6	3693.4	2217.7	240.0	47.7	3.5	3.5
57°	4177.5	3693.0	2208.9	236.2	44.8	3.3	3.5
57.5°	4178.5	3691.9	2199.7	232.6	41.6	3.2	3.6
58°	4179.8	3690.4	2190.5	229.0	37.9	3.1	3.7
58.5°	4180.1	3688.7	2180.9	225.5	34.2	3.0	3.8
59°	4180.4	3686.6	2170.3	222.2	30.3	3.0	3.9
59.5°	4179.8	3684.2	2160.2	218.7	26.6	2.9	4.0
60°	4178.8	3681.0	2150.1	215.3	23.0	2.9	4.1
60.5°	4177.6	3676.6	2138.8	211.9	19.5	2.9	4.1
61°	4175.2	3672.5	2126.8	208.8	16.0	2.9	4.2
61.5°	4172.7	3668.5	2115.5	205.5	12.9	2.9	4.3
62°	4169.9	3664.7	2103.5	202.1	9.8	2.9	4.4
62.5°	4166.3	3659.8	2090.9	198.8	6.9	2.9	4.5
63°	4162.5	3654.4	2078.2	195.5	5.5	2.9	4.6
63.5°	4158.3	3649.7	2064.9	192.4	4.9	3.0	4.6
64°	4153.3	3644.4	2051.1	189.4	4.6	3.1	4.7
64.5°	4149.0	3638.2	2038.0	186.3	4.5	3.1	4.9
65°	4143.9	3631.9	2024.8	183.3	4.5	3.2	5.0
65.5°	4138.2	3625.7	2011.2	180.3	4.4	3.3	5.1
66°	4132.5	3618.6	1998.2	177.4	4.3	3.4	5.3
66.5°	4127.5	3612.9	1985.0	174.4	3.9	3.5	5.4
67°	4121.8	3605.3	1971.5	171.1	3.8	3.6	5.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4117.1	3597.6	1959.4	167.7	3.7	3.7	5.7
68°	4111.8	3590.8	1947.4	164.4	3.6	3.8	5.8
68.5°	4107.3	3582.9	1934.9	160.9	3.6	3.9	5.9
69°	4102.5	3576.2	1923.0	157.3	3.5	4.0	6.0
69.5°	4098.8	3569.4	1911.3	153.6	3.5	4.1	6.1
70°	4095.3	3563.2	1899.4	149.8	3.5	4.2	6.2
70.5°	4092.3	3556.3	1887.5	146.0	3.5	4.3	6.4
71°	4090.0	3550.5	1875.3	141.9	3.5	4.4	6.5
71.5°	4087.9	3544.2	1861.8	137.7	3.5	4.5	6.7
72°	4085.6	3537.8	1849.2	133.6	3.5	4.6	6.8
72.5°	4082.4	3531.6	1835.5	128.9	3.5	4.7	6.9
73°	4079.7	3524.3	1819.4	124.0	3.5	4.8	7.1
73.5°	4076.0	3517.0	1803.9	118.7	3.6	4.9	7.2
74°	4072.5	3509.9	1787.6	112.4	3.6	5.1	7.3
74.5°	4067.7	3500.9	1769.8	106.2	3.6	5.2	7.4
75°	4063.7	3492.5	1752.8	99.9	3.6	5.3	7.5
75.5°	4060.4	3484.2	1735.5	93.6	3.6	5.4	7.7
76°	4058.3	3477.1	1717.8	87.2	3.7	5.5	7.8
76.5°	4056.2	3469.9	1700.2	81.4	3.7	5.6	7.9
77°	4054.6	3464.0	1682.3	75.8	3.8	5.7	8.0
77.5°	4053.0	3459.2	1663.1	70.4	3.8	5.8	8.1
78°	4050.8	3454.8	1645.2	65.5	3.9	5.9	8.3
78.5°	4049.6	3450.6	1628.1	60.7	3.9	6.0	8.4
79°	4047.5	3446.3	1609.7	56.0	4.0	6.2	8.5
79.5°	4044.0	3440.4	1591.0	51.4	4.0	6.3	8.6
80°	4038.8	3435.0	1570.5	46.9	4.1	6.4	8.7
80.5°	4031.6	3427.5	1546.1	42.7	4.1	6.5	8.8
81°	4023.9	3419.6	1518.3	38.9	4.2	6.6	8.9
81.5°	4015.7	3410.1	1491.2	35.2	4.3	6.7	9.0
82°	4006.2	3401.0	1464.6	31.9	4.3	6.8	9.1
82.5°	3998.0	3391.0	1438.0	28.9	4.4	6.8	9.2
83°	3990.0	3382.9	1411.2	26.1	4.5	6.9	9.3
83.5°	3982.2	3376.0	1384.4	23.5	4.5	7.0	9.4
84°	3975.0	3371.7	1360.7	21.2	4.6	7.1	9.5
84.5°	3967.1	3367.2	1336.9	18.9	4.6	7.2	9.5
85°	3959.1	3364.3	1313.9	17.0	4.7	7.3	9.6
85.5°	3953.2	3359.9	1290.5	15.3	4.7	7.4	9.7
86°	3946.0	3355.4	1269.0	13.5	4.8	7.5	9.8
86.5°	3939.0	3351.9	1249.2	12.0	4.9	7.6	9.9
87°	3930.4	3349.1	1230.5	10.5	4.9	7.7	9.9
87.5°	3920.9	3345.6	1211.6	9.1	5.0	7.7	10.0
88°	3911.0	3343.0	1196.4	7.8	5.0	7.8	10.1
88.5°	3902.0	3340.4	1181.9	6.5	5.1	7.9	10.1
89°	3889.6	3336.6	1168.6	5.5	5.1	7.9	10.2
89.5°	3874.4	3331.9	1156.5	4.6	5.1	8.0	10.3

REPORT NUMBER: P1197061

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3858.5	3327.0	1147.5	3.7	5.2	8.1	10.4
90.5°	3838.8	3322.9	1141.2	3.2	5.3	8.1	10.4
91°	3817.7	3320.0	1133.9	3.0	5.3	8.2	10.5
91.5°	3796.2	3316.2	1130.7	3.0	5.3	8.3	10.6
92°	3772.9	3312.0	1131.2	2.9	5.4	8.4	10.6
92.5°	3748.6	3306.8	1137.1	2.9	5.4	8.5	10.6
93°	3724.5	3302.2	1148.2	2.8	5.5	8.6	10.7
93.5°	3701.3	3299.1	1170.2	2.8	5.5	8.7	10.7
94°	3676.9	3296.4	1203.0	2.8	5.6	8.7	10.8
94.5°	3653.3	3289.6	1234.2	2.7	5.6	8.8	10.8
95°	3621.5	3276.3	1257.0	2.7	5.7	8.9	10.9
95.5°	3571.2	3251.7	1262.4	2.7	5.7	8.9	10.9
96°	3507.5	3226.0	1250.5	2.6	5.8	9.0	10.9
96.5°	3440.0	3211.4	1232.0	2.6	5.8	9.1	11.0
97°	3364.0	3226.6	1213.8	2.6	5.8	9.1	11.0
97.5°	3298.0	3254.3	1182.6	2.6	5.9	9.2	11.0
98°	3259.2	3304.4	1133.2	2.6	5.9	9.3	11.1
98.5°	3244.6	3350.9	1056.6	2.5	6.0	9.4	11.1
99°	3255.6	3373.9	947.1	2.5	6.0	9.5	11.2
99.5°	3294.7	3348.2	835.9	2.5	6.1	9.5	11.2
100°	3366.8	3256.9	724.7	2.5	6.1	9.6	11.2
100.5°	3475.4	3076.3	613.5	2.5	6.2	9.6	11.2
101°	3584.6	2820.7	502.2	2.5	6.2	9.7	11.3
101.5°	3661.3	2513.9	392.5	2.5	6.3	9.7	11.3
102°	3666.6	2214.4	308.3	2.5	6.3	9.8	11.3
102.5°	3585.1	1959.5	232.5	2.5	6.4	9.8	11.3
103°	3400.4	1749.1	190.3	2.5	6.4	9.9	11.3
103.5°	3129.7	1589.2	177.1	2.5	6.5	9.9	11.4
104°	2823.2	1525.0	183.1	2.5	6.5	9.9	11.4
104.5°	2548.5	1571.7	200.3	2.5	6.5	10.0	11.4
105°	2278.3	1698.8	204.8	2.5	6.6	10.0	11.5
105.5°	2015.6	1807.3	202.2	2.6	6.6	10.0	11.5
106°	1825.2	1771.6	198.0	2.6	6.6	10.0	11.5
106.5°	1688.7	1553.1	192.4	2.6	6.7	10.1	11.5
107°	1673.6	1187.2	182.6	2.6	6.7	10.1	11.5
107.5°	1762.3	802.0	163.5	2.6	6.7	10.1	11.5
108°	1856.1	466.8	128.1	2.6	6.8	10.2	11.5
108.5°	1807.9	265.6	100.9	2.7	6.8	10.2	11.5
109°	1484.5	224.0	86.7	2.7	6.8	10.2	11.5
109.5°	1161.4	190.0	72.1	2.7	6.9	10.2	11.6
110°	838.3	155.7	51.4	2.7	6.9	10.3	11.6
110.5°	515.1	121.6	35.6	2.8	6.9	10.3	11.6
111°	205.3	121.3	30.1	2.8	7.0	10.3	11.6
111.5°	166.4	120.9	25.1	2.8	7.0	10.3	11.6
112°	159.4	116.1	20.5	2.9	7.0	10.3	11.6

REPORT NUMBER: P1197061

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	158.3	104.1	16.3	2.9	7.0	10.3	11.6
113°	160.4	94.4	13.3	2.9	7.1	10.3	11.6
113.5°	160.1	88.0	11.2	2.9	7.1	10.3	11.6
114°	157.3	80.0	9.4	3.0	7.1	10.3	11.6
114.5°	147.9	70.8	8.1	3.0	7.1	10.4	11.6
115°	134.6	63.9	6.9	3.0	7.2	10.4	11.6
115.5°	124.6	60.5	5.8	3.1	7.2	10.4	11.6
116°	119.0	58.5	4.9	3.1	7.2	10.4	11.6
116.5°	110.4	57.4	4.3	3.1	7.2	10.4	11.6
117°	99.7	57.1	3.8	3.2	7.3	10.4	11.6
117.5°	92.4	56.8	3.5	3.2	7.3	10.4	11.6
118°	88.6	55.5	3.2	3.2	7.3	10.4	11.6
118.5°	87.0	52.7	2.9	3.3	7.3	10.4	11.6
119°	84.7	48.3	2.7	3.3	7.4	10.5	11.6
119.5°	82.0	43.6	2.5	3.3	7.4	10.5	11.6
120°	78.6	38.5	2.3	3.4	7.4	10.5	11.6
120.5°	74.9	31.6	2.2	3.4	7.4	10.5	11.6
121°	69.8	23.1	2.1	3.4	7.4	10.5	11.6
121.5°	63.3	15.5	1.9	3.5	7.4	10.5	11.6
122°	55.6	10.2	1.8	3.5	7.5	10.5	11.6
122.5°	48.5	7.9	1.7	3.5	7.5	10.5	11.5
123°	41.8	6.6	1.6	3.6	7.5	10.5	11.5
123.5°	34.1	5.5	1.4	3.6	7.5	10.5	11.5
124°	26.4	4.4	1.3	3.7	7.5	10.5	11.5
124.5°	19.9	3.4	1.2	3.7	7.6	10.5	11.4
125°	16.2	2.4	1.2	3.7	7.6	10.5	11.4
125.5°	13.5	1.7	1.2	3.8	7.6	10.5	11.4
126°	9.8	1.3	1.1	3.8	7.6	10.5	11.4
126.5°	6.3	1.1	1.1	3.8	7.6	10.5	11.3
127°	4.8	0.9	1.1	3.9	7.7	10.5	11.3
127.5°	3.7	0.9	1.1	3.9	7.7	10.5	11.3
128°	2.8	0.8	1.1	4.0	7.7	10.5	11.3
128.5°	2.2	0.8	1.1	4.0	7.7	10.5	11.2
129°	1.6	0.7	1.1	4.1	7.7	10.4	11.2
129.5°	0.9	0.7	1.2	4.1	7.7	10.4	11.2
130°	0.8	0.7	1.2	4.1	7.7	10.4	11.1
130.5°	0.8	0.6	1.2	4.1	7.7	10.4	11.1
131°	0.7	0.6	1.3	4.2	7.8	10.4	11.0
131.5°	0.7	0.6	1.3	4.2	7.8	10.4	11.0
132°	0.7	0.6	1.3	4.2	7.8	10.4	11.0
132.5°	0.7	0.6	1.4	4.3	7.8	10.4	10.9
133°	0.6	0.6	1.4	4.3	7.8	10.3	10.9
133.5°	0.6	0.6	1.5	4.3	7.8	10.3	10.9
134°	0.6	0.5	1.5	4.4	7.8	10.3	10.9
134.5°	0.5	0.5	1.6	4.4	7.8	10.3	10.8

REPORT NUMBER: P1197061

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.5	0.5	1.6	4.5	7.8	10.3	10.8
135.5°	0.5	0.5	1.6	4.5	7.8	10.2	10.8
136°	0.5	0.5	1.7	4.5	7.8	10.2	10.8
136.5°	0.5	0.5	1.7	4.6	7.8	10.2	10.8
137°	0.4	0.5	1.8	4.6	7.8	10.2	10.7
137.5°	0.4	0.5	1.8	4.6	7.8	10.2	10.7
138°	0.4	0.5	1.9	4.7	7.8	10.1	10.7
138.5°	0.4	0.5	1.9	4.7	7.8	10.1	10.6
139°	0.4	0.5	2.0	4.8	7.8	10.1	10.6
139.5°	0.4	0.5	2.0	4.8	7.8	10.1	10.5
140°	0.4	0.5	2.1	4.8	7.8	10.1	10.4
140.5°	0.4	0.5	2.1	4.8	7.8	10.0	10.4
141°	0.4	0.5	2.2	4.9	7.8	10.0	10.3
141.5°	0.4	0.5	2.2	4.9	7.8	10.0	10.2
142°	0.4	0.5	2.3	4.9	7.8	9.9	10.2
142.5°	0.4	0.5	2.3	5.0	7.8	9.9	10.1
143°	0.4	0.5	2.4	5.0	7.8	9.9	10.0
143.5°	0.4	0.6	2.4	5.0	7.8	9.8	10.0
144°	0.4	0.6	2.5	5.1	7.8	9.8	9.9
144.5°	0.4	0.6	2.5	5.1	7.8	9.7	9.8
145°	0.4	0.6	2.6	5.2	7.8	9.7	9.8
145.5°	0.5	0.7	2.6	5.2	7.7	9.7	9.7
146°	0.5	0.7	2.7	5.2	7.8	9.6	9.6
146.5°	0.5	0.7	2.7	5.2	7.7	9.6	9.5
147°	0.5	0.8	2.8	5.3	7.7	9.5	9.5
147.5°	0.5	0.8	2.8	5.3	7.7	9.5	9.4
148°	0.6	0.8	2.9	5.3	7.7	9.5	9.3
148.5°	0.6	0.9	2.9	5.3	7.7	9.4	9.3
149°	0.6	0.9	3.0	5.4	7.7	9.4	9.2
149.5°	0.6	0.9	3.0	5.4	7.7	9.3	9.1
150°	0.6	1.0	3.1	5.4	7.7	9.3	9.0
150.5°	0.7	1.0	3.1	5.5	7.7	9.3	9.0
151°	0.7	1.1	3.2	5.5	7.7	9.3	8.9
151.5°	0.7	1.1	3.2	5.5	7.7	9.2	8.8
152°	0.8	1.2	3.2	5.6	7.7	9.2	8.7
152.5°	0.8	1.2	3.3	5.6	7.7	9.2	8.6
153°	0.8	1.2	3.4	5.6	7.7	9.1	8.5
153.5°	0.9	1.3	3.4	5.6	7.7	9.1	8.4
154°	0.9	1.3	3.5	5.7	7.7	9.1	8.3
154.5°	0.9	1.4	3.5	5.7	7.7	9.0	8.2
155°	0.9	1.5	3.6	5.7	7.7	9.0	8.1
155.5°	1.0	1.5	3.6	5.8	7.7	8.9	8.0
156°	1.0	1.6	3.7	5.8	7.7	8.9	7.9
156.5°	1.0	1.6	3.7	5.8	7.7	8.8	7.8
157°	1.1	1.7	3.8	5.8	7.7	8.8	7.8

REPORT NUMBER: P1197061

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.1	1.7	3.8	5.9	7.7	8.7	7.7
158°	1.1	1.8	3.9	5.9	7.6	8.7	7.6
158.5°	1.1	1.9	3.9	5.9	7.6	8.6	7.5
159°	1.2	1.9	4.0	5.9	7.6	8.6	7.4
159.5°	1.2	2.0	4.0	6.0	7.6	8.5	7.3
160°	1.3	2.1	4.1	6.0	7.6	8.5	7.2
160.5°	1.3	2.1	4.1	6.0	7.6	8.4	7.1
161°	1.4	2.2	4.2	6.0	7.6	8.3	7.0
161.5°	1.4	2.2	4.2	6.1	7.6	8.3	6.9
162°	1.5	2.3	4.3	6.1	7.6	8.2	6.8
162.5°	1.5	2.4	4.3	6.1	7.6	8.2	6.7
163°	1.6	2.4	4.4	6.1	7.6	8.1	6.6
163.5°	1.7	2.5	4.4	6.1	7.5	8.1	6.5
164°	1.7	2.6	4.5	6.2	7.5	8.0	6.4
164.5°	1.8	2.7	4.5	6.2	7.5	8.0	6.3
165°	1.9	2.7	4.6	6.2	7.5	7.9	6.2
165.5°	1.9	2.8	4.7	6.2	7.4	7.9	6.1
166°	2.0	2.9	4.7	6.2	7.4	7.8	6.1
166.5°	2.0	3.0	4.8	6.3	7.4	7.8	6.0
167°	2.1	3.0	4.8	6.3	7.4	7.7	5.9
167.5°	2.2	3.1	4.9	6.3	7.4	7.7	5.8
168°	2.2	3.2	4.9	6.3	7.4	7.6	5.7
168.5°	2.3	3.3	5.0	6.3	7.4	7.6	5.6
169°	2.4	3.4	5.0	6.3	7.4	7.6	5.5
169.5°	2.4	3.5	5.1	6.4	7.3	7.5	5.4
170°	2.5	3.6	5.1	6.4	7.3	7.5	5.4
170.5°	2.6	3.6	5.2	6.4	7.2	7.4	5.3
171°	2.6	3.7	5.2	6.4	7.2	7.3	5.2
171.5°	2.7	3.8	5.3	6.5	7.2	7.3	5.1
172°	2.8	3.8	5.3	6.5	7.2	7.2	5.0
172.5°	2.8	3.9	5.3	6.5	7.1	7.2	4.9
173°	2.9	4.0	5.4	6.5	7.1	7.1	4.8
173.5°	3.0	4.1	5.4	6.5	7.1	7.0	4.7
174°	3.0	4.1	5.5	6.5	7.0	7.0	4.7
174.5°	3.1	4.2	5.5	6.5	7.0	6.9	4.6
175°	3.1	4.3	5.6	6.5	7.0	6.8	4.5
175.5°	3.2	4.4	5.6	6.5	6.9	6.8	4.4
176°	3.2	4.4	5.7	6.5	6.9	6.7	4.4
176.5°	3.3	4.5	5.7	6.5	6.9	6.7	4.3
177°	3.3	4.6	5.8	6.6	6.9	6.6	4.2
177.5°	3.4	4.7	5.8	6.6	6.8	6.5	4.1
178°	3.5	4.7	5.9	6.6	6.8	6.5	4.1
178.5°	3.6	4.8	5.9	6.6	6.8	6.4	4.0
179°	3.6	4.9	6.0	6.6	6.7	6.3	3.9
179.5°	3.7	4.9	6.0	6.6	6.7	6.2	3.8



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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)