

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: P1197064

Luminaire Tested: AWP75S-BZ-HIGH-4000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197064
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-4000K-POSITION 45
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 10542.5 lumens
Efficiency: 108.5%
Efficacy: 142.7 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): 73.9
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

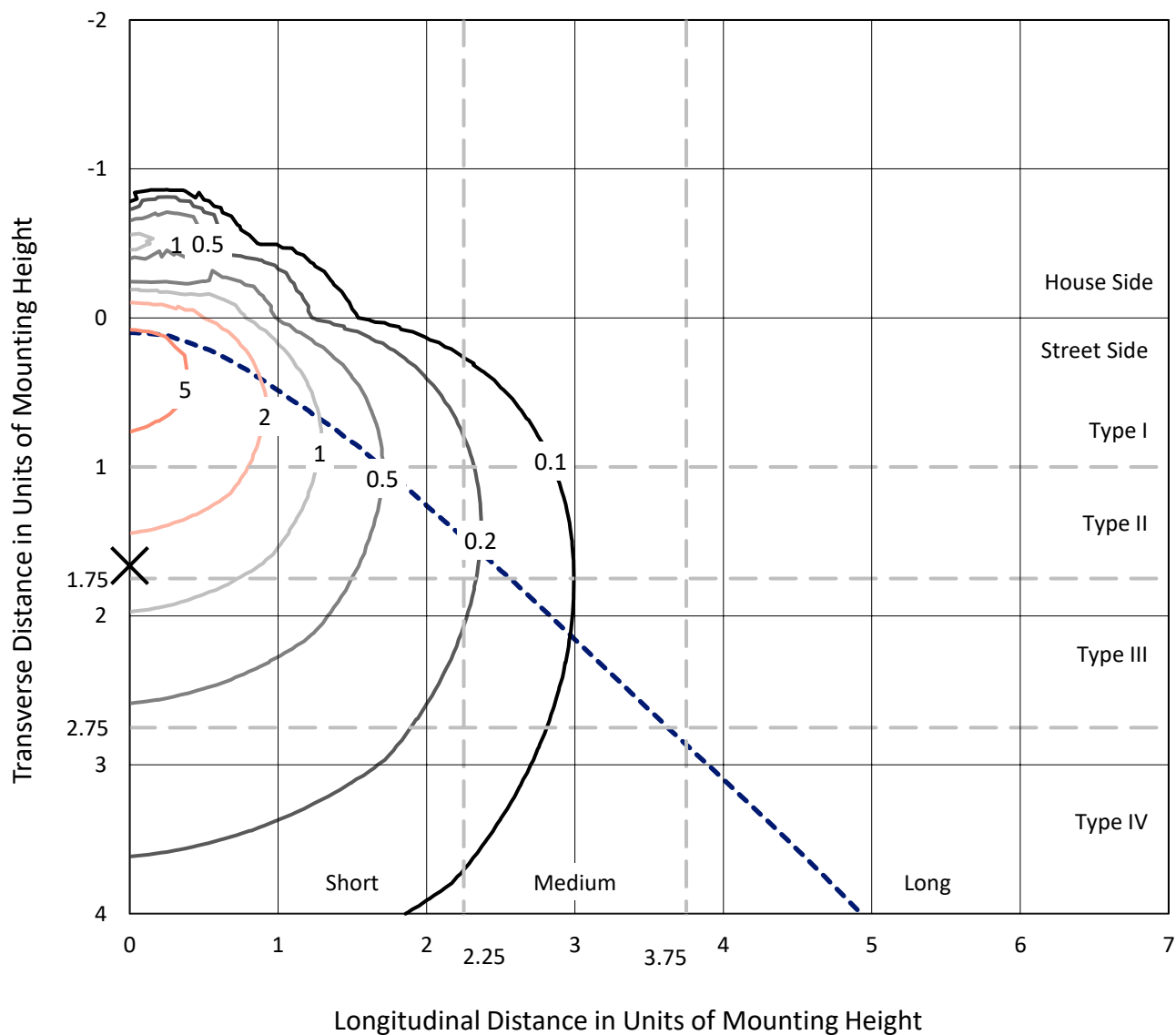
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

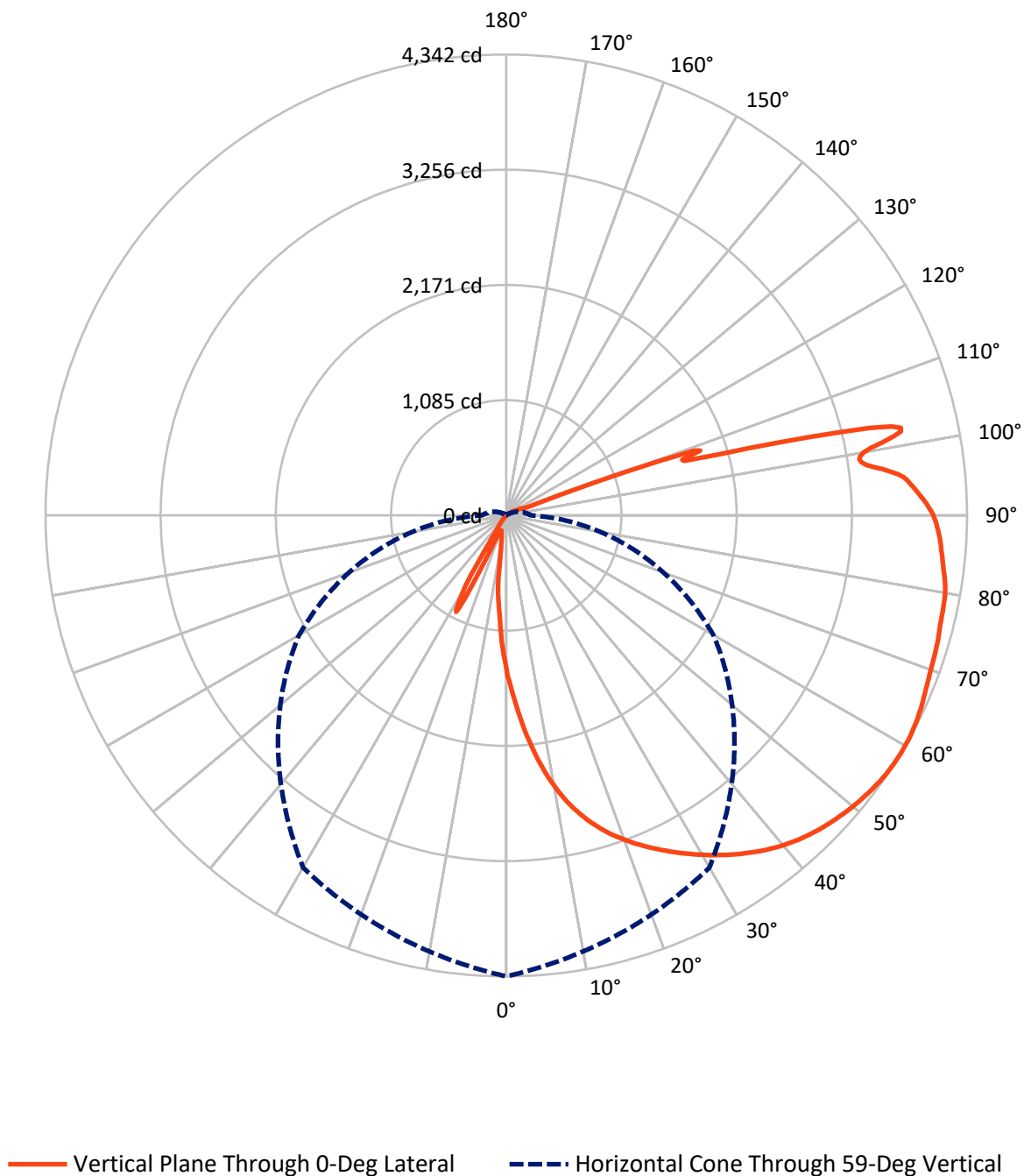


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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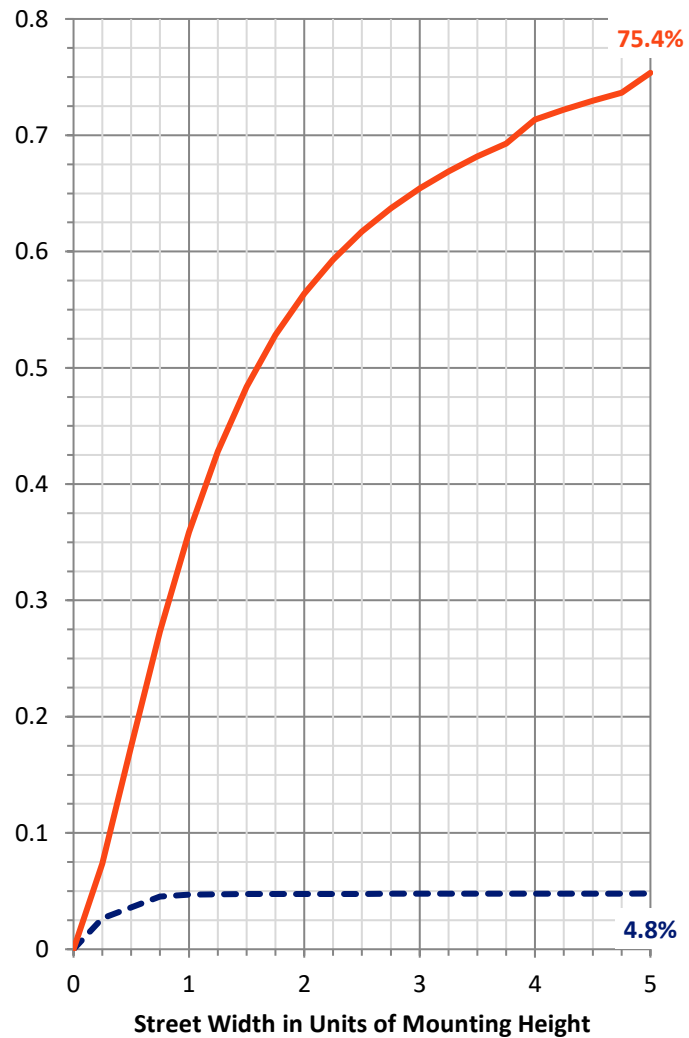
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.0	26.0	495.0
	% Lamp	4.8	0.3	5.1
Street Side	Lumens	8282.7	1764.8	10047.5
	% Lamp	85.2	18.2	103.4
Total	Lumens	8751.7	1790.8	10542.5
	% Lamp	90.0	18.4	108.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	142.9	1.4	1.5
10°-20°	418.8	4.0	4.3
20°-30°	723.0	6.9	7.4
30°-40°	1027.5	9.7	10.6
40°-50°	1166.6	11.1	12.0
50°-60°	1292.2	12.3	13.3
60°-70°	1360.1	12.9	14.0
70°-80°	1352.6	12.8	13.9
80°-90°	1268.0	12.0	13.0
90°-100°	1177.4	11.2	12.1
100°-110°	558.9	5.3	5.7
110°-120°	34.6	0.3	0.4
120°-130°	7.8	0.1	0.1
130°-140°	4.1	0.0	0.0
140°-150°	3.4	0.0	0.0
150°-160°	2.6	0.0	0.0
160°-170°	1.6	0.0	0.0
170°-180°	0.6	0.0	0.0
0°-90°	8751.7	83.0	90.0
0°-180°	10542.5	100.0	108.5

Coefficient of Utilization



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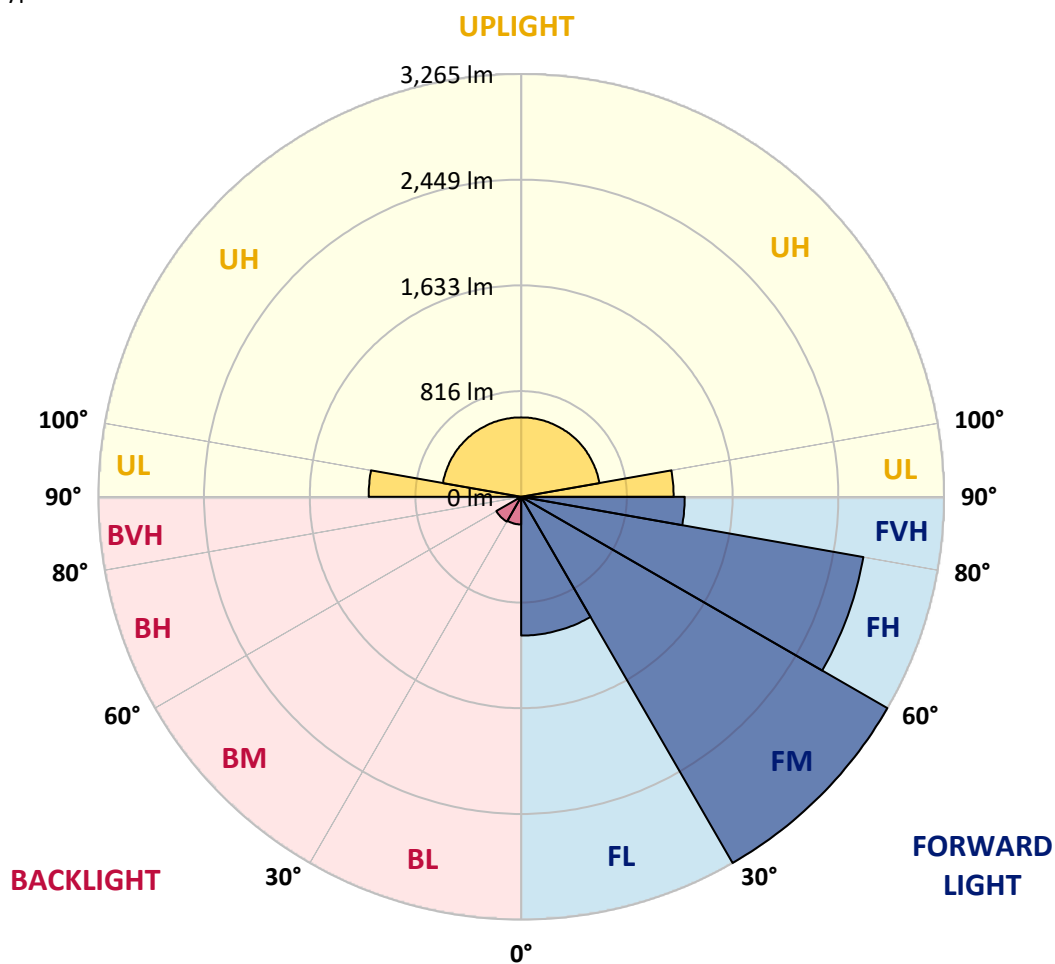
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1071.1	11.0			
FM	(30°-60°)	3265.1	33.6			
FH	(60°-80°)	2683.5	27.6			G2/5000
FVH	(80°-90°)	1263.0	13.0			G5
BL	(0°-30°)	213.6	2.2	B1/500		
BM	(30°-60°)	221.2	2.3	B1/1000		
BH	(60°-80°)	29.3	0.3	B0/110		G0/110
BVH	(80°-90°)	5.0	0.1			G0/10
UL	(90°-100°)	1177.4	12.1		U5	
UH	(100°-180°)	613.4	6.3		U4/1000	
Trapped Light		-822.5	-8.5			

BUG Rating: B1-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1513.5	1513.5	1513.5	1513.5	1513.5	1513.5	1513.5
0.5°	1549.2	1581.3	1562.6	1536.0	1488.1	1425.2	1430.2
1°	1608.9	1633.2	1593.1	1536.0	1458.2	1373.7	1372.9
1.5°	1669.7	1687.9	1623.9	1534.7	1428.5	1325.7	1313.4
2°	1730.5	1739.2	1652.8	1533.9	1399.2	1275.2	1257.8
2.5°	1793.7	1792.8	1682.8	1532.2	1368.9	1227.4	1193.8
3°	1854.1	1846.3	1712.1	1530.2	1338.0	1172.6	1118.3
3.5°	1917.6	1897.9	1740.8	1528.6	1307.6	1106.4	1044.6
4°	1978.4	1951.7	1770.3	1526.3	1276.5	1041.2	979.2
4.5°	2039.4	2002.4	1799.4	1523.8	1247.2	984.4	921.0
5°	2099.0	2055.3	1827.5	1520.8	1219.2	933.7	872.3
5.5°	2156.8	2105.3	1855.4	1517.5	1187.1	885.7	827.5
6°	2215.2	2153.6	1883.5	1513.7	1152.2	845.0	786.2
6.5°	2271.0	2203.2	1910.5	1509.1	1113.2	808.0	740.5
7°	2327.1	2250.9	1938.4	1504.4	1071.7	771.7	682.9
7.5°	2381.5	2297.3	1965.4	1499.5	1033.3	732.5	605.3
8°	2433.6	2343.6	1991.0	1494.6	995.7	683.3	517.6
8.5°	2485.0	2386.7	2016.7	1489.2	959.1	617.6	429.7
9°	2532.6	2430.3	2042.4	1483.5	923.7	544.3	357.6
9.5°	2580.2	2471.7	2066.3	1477.9	891.3	467.8	306.2
10°	2627.3	2512.2	2090.1	1471.6	860.1	394.2	284.3
10.5°	2671.8	2552.9	2114.8	1464.9	830.9	333.6	263.3
11°	2713.6	2590.3	2136.9	1458.2	804.2	290.4	242.8
11.5°	2755.2	2626.4	2159.6	1450.7	780.3	270.4	222.8
12°	2794.3	2662.1	2182.0	1443.3	757.3	252.0	212.9
12.5°	2832.1	2695.9	2202.7	1435.8	733.2	233.7	205.8
13°	2868.8	2728.7	2223.9	1427.3	708.6	215.4	201.0
13.5°	2904.5	2760.7	2244.4	1419.2	681.3	205.7	197.5
14°	2938.8	2791.0	2262.9	1409.8	640.2	197.9	194.7
14.5°	2972.0	2820.5	2281.4	1399.8	599.1	192.3	192.5
15°	3003.2	2848.5	2300.6	1390.5	558.1	189.0	190.5
15.5°	3033.1	2875.9	2318.4	1380.0	517.2	187.1	187.5
16°	3062.7	2902.0	2334.9	1369.9	476.1	186.2	182.7
16.5°	3092.3	2927.6	2352.1	1359.4	428.5	185.8	175.8
17°	3119.5	2952.1	2368.3	1348.2	381.8	185.8	168.3
17.5°	3147.6	2975.7	2383.5	1337.6	342.1	186.1	161.8
18°	3174.2	2997.8	2397.8	1326.1	306.9	187.0	155.0
18.5°	3199.7	3020.2	2411.9	1314.2	278.1	187.4	150.2
19°	3225.2	3040.3	2425.2	1303.8	257.0	186.5	149.3
19.5°	3249.5	3060.8	2438.8	1291.8	240.8	183.9	150.0
20°	3274.1	3081.8	2452.1	1280.6	228.2	179.3	151.0
20.5°	3298.5	3100.2	2463.5	1269.0	218.9	173.8	153.2
21°	3322.6	3118.7	2475.0	1257.6	211.5	164.8	157.1
21.5°	3345.2	3137.7	2486.0	1245.3	206.0	158.1	168.2
22°	3367.5	3155.4	2496.2	1233.5	201.7	155.2	187.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3390.8	3172.3	2505.8	1221.7	199.0	153.7	205.1
23°	3413.1	3190.0	2515.0	1208.8	197.4	152.7	214.4
23.5°	3434.8	3207.8	2523.3	1196.2	196.3	152.0	223.3
24°	3456.6	3223.4	2530.8	1182.9	195.8	150.4	242.4
24.5°	3479.0	3239.5	2539.0	1168.6	194.7	148.8	283.7
25°	3500.1	3255.4	2545.8	1155.9	193.6	150.1	355.1
25.5°	3522.4	3270.7	2552.5	1142.3	192.6	155.7	479.6
26°	3544.1	3286.3	2558.3	1128.3	191.7	164.6	606.3
26.5°	3564.9	3301.9	2563.4	1114.4	191.0	176.5	733.2
27°	3586.3	3317.0	2568.6	1101.5	190.9	196.7	860.4
27.5°	3607.0	3332.8	2573.2	1087.7	191.3	228.1	987.4
28°	3628.2	3348.1	2576.8	1073.8	191.5	253.0	1022.5
28.5°	3649.9	3362.3	2579.8	1060.3	191.1	269.0	1000.7
29°	3671.3	3376.8	2583.2	1045.8	190.1	287.9	946.0
29.5°	3691.1	3392.2	2585.9	1032.1	188.7	320.7	890.2
30°	3711.5	3406.6	2588.3	1019.1	188.1	373.2	833.3
30.5°	3732.9	3421.1	2589.9	1005.7	188.5	444.0	770.7
31°	3753.0	3435.5	2591.5	992.4	189.1	513.7	659.8
31.5°	3772.5	3448.8	2592.4	981.5	189.7	582.5	519.9
32°	3793.2	3462.8	2592.7	970.1	190.4	651.9	399.3
32.5°	3812.2	3477.6	2593.4	959.1	191.1	722.0	301.0
33°	3831.8	3491.7	2593.2	949.4	191.9	794.0	262.1
33.5°	3851.5	3505.8	2592.8	939.6	190.4	791.9	225.6
34°	3870.9	3519.3	2592.2	928.6	188.2	769.3	188.4
34.5°	3889.4	3533.4	2590.7	917.9	184.3	729.1	151.1
35°	3907.1	3546.1	2588.9	905.9	179.0	687.6	137.2
35.5°	3925.0	3559.9	2586.8	892.5	175.3	651.5	124.8
36°	3942.4	3571.8	2584.1	879.1	171.8	614.1	113.4
36.5°	3960.1	3584.6	2581.3	862.5	168.1	573.3	102.7
37°	3977.1	3597.0	2578.4	843.9	164.3	522.8	92.5
37.5°	3993.7	3609.7	2574.8	825.7	160.6	475.6	83.5
38°	4009.6	3621.5	2571.1	806.4	156.6	427.4	75.1
38.5°	4026.1	3632.6	2566.6	786.8	152.6	372.7	67.1
39°	4042.2	3643.7	2562.5	767.7	148.6	317.2	59.9
39.5°	4057.0	3655.0	2558.3	749.7	144.7	282.0	53.3
40°	4071.5	3665.6	2553.0	730.6	140.0	247.7	47.0
40.5°	4084.9	3676.6	2548.1	712.8	135.3	213.5	41.1
41°	4098.2	3686.8	2543.0	694.4	131.2	179.3	36.0
41.5°	4111.1	3696.9	2537.8	675.2	127.7	145.0	30.8
42°	4123.4	3706.5	2532.1	655.6	124.9	127.0	25.9
42.5°	4135.3	3716.3	2525.8	636.4	122.2	111.6	21.6
43°	4146.8	3725.4	2518.8	614.5	119.3	97.4	18.2
43.5°	4157.5	3734.3	2512.4	593.1	116.6	85.4	16.3
44°	4167.9	3742.8	2506.0	571.9	114.1	74.2	14.9
44.5°	4178.0	3750.6	2499.0	549.3	111.4	64.6	13.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4188.4	3758.6	2491.8	525.4	108.6	55.1	12.3
45.5°	4197.8	3765.3	2484.5	502.2	105.2	43.9	11.1
46°	4206.9	3771.5	2477.5	477.4	102.6	36.0	10.2
46.5°	4215.9	3777.6	2470.2	454.1	100.3	29.0	9.4
47°	4223.7	3783.5	2462.7	431.2	97.9	19.5	8.3
47.5°	4232.6	3789.1	2455.0	410.0	95.8	11.9	6.9
48°	4240.5	3793.9	2447.5	389.8	93.7	10.4	6.1
48.5°	4248.7	3798.6	2439.8	371.9	91.6	9.8	5.6
49°	4257.3	3803.1	2431.6	355.5	89.3	9.5	5.0
49.5°	4264.2	3807.3	2423.4	341.4	87.0	9.2	4.6
50°	4271.5	3811.5	2415.1	329.7	84.4	8.9	4.3
50.5°	4278.5	3815.6	2406.7	318.7	81.7	8.6	4.0
51°	4284.7	3818.7	2398.2	309.0	78.8	8.1	3.9
51.5°	4291.1	3821.8	2389.1	300.1	75.9	7.5	3.8
52°	4297.6	3824.3	2380.1	293.2	72.9	6.5	3.8
52.5°	4303.5	3827.1	2371.7	286.4	69.8	6.0	3.7
53°	4308.9	3829.7	2363.3	279.6	66.6	5.5	3.7
53.5°	4313.7	3831.8	2354.6	272.7	63.6	5.1	3.7
54°	4319.6	3833.7	2346.4	268.2	60.9	4.7	3.6
54.5°	4323.8	3835.1	2338.3	264.0	58.7	4.4	3.6
55°	4328.0	3836.0	2329.6	260.2	56.6	4.1	3.6
55.5°	4331.2	3836.6	2320.5	256.4	54.4	3.9	3.6
56°	4333.9	3836.5	2311.5	252.8	52.1	3.7	3.6
56.5°	4336.6	3835.9	2303.2	249.2	49.5	3.6	3.7
57°	4338.6	3835.4	2294.1	245.3	46.5	3.5	3.7
57.5°	4339.7	3834.3	2284.5	241.6	43.2	3.3	3.8
58°	4341.0	3832.7	2274.9	237.8	39.3	3.2	3.9
58.5°	4341.3	3831.0	2265.0	234.2	35.5	3.2	3.9
59°	4341.7	3828.7	2254.0	230.8	31.4	3.1	4.0
59.5°	4341.0	3826.3	2243.5	227.2	27.6	3.1	4.1
60°	4340.0	3823.0	2233.0	223.6	23.9	3.0	4.2
60.5°	4338.8	3818.5	2221.3	220.1	20.2	3.0	4.3
61°	4336.2	3814.1	2208.8	216.8	16.7	3.0	4.4
61.5°	4333.7	3809.9	2197.1	213.4	13.4	3.0	4.4
62°	4330.7	3806.0	2184.6	209.9	10.2	3.0	4.5
62.5°	4327.0	3801.0	2171.6	206.4	7.2	3.0	4.6
63°	4323.1	3795.3	2158.3	203.1	5.7	3.1	4.7
63.5°	4318.7	3790.5	2144.5	199.9	5.1	3.1	4.8
64°	4313.5	3785.0	2130.2	196.7	4.8	3.2	4.9
64.5°	4309.1	3778.5	2116.6	193.5	4.7	3.3	5.1
65°	4303.7	3772.0	2102.9	190.4	4.7	3.3	5.2
65.5°	4297.8	3765.5	2088.7	187.3	4.6	3.4	5.3
66°	4291.9	3758.2	2075.3	184.3	4.4	3.5	5.5
66.5°	4286.7	3752.3	2061.6	181.1	4.1	3.6	5.6
67°	4280.8	3744.4	2047.6	177.7	3.9	3.7	5.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4276.0	3736.3	2034.9	174.2	3.9	3.8	5.9
68°	4270.4	3729.3	2022.5	170.7	3.8	3.9	6.0
68.5°	4265.7	3721.1	2009.6	167.1	3.7	4.0	6.1
69°	4260.8	3714.1	1997.2	163.4	3.7	4.1	6.2
69.5°	4256.9	3707.1	1985.0	159.5	3.7	4.2	6.4
70°	4253.2	3700.6	1972.7	155.6	3.7	4.3	6.5
70.5°	4250.2	3693.5	1960.3	151.6	3.7	4.4	6.6
71°	4247.8	3687.4	1947.6	147.4	3.7	4.6	6.8
71.5°	4245.6	3680.9	1933.7	143.1	3.7	4.7	6.9
72°	4243.2	3674.3	1920.5	138.7	3.7	4.8	7.1
72.5°	4239.8	3667.8	1906.3	133.9	3.7	4.9	7.2
73°	4237.1	3660.2	1889.6	128.8	3.7	5.0	7.3
73.5°	4233.3	3652.7	1873.5	123.3	3.7	5.1	7.5
74°	4229.6	3645.3	1856.5	116.7	3.7	5.3	7.6
74.5°	4224.6	3636.0	1838.1	110.3	3.7	5.4	7.7
75°	4220.4	3627.2	1820.4	103.7	3.8	5.5	7.8
75.5°	4217.0	3618.6	1802.4	97.2	3.8	5.6	7.9
76°	4214.8	3611.2	1784.1	90.5	3.8	5.7	8.1
76.5°	4212.7	3603.8	1765.8	84.5	3.9	5.8	8.2
77°	4211.0	3597.6	1747.2	78.7	3.9	5.9	8.3
77.5°	4209.3	3592.6	1727.2	73.1	4.0	6.1	8.5
78°	4207.1	3588.1	1708.7	68.1	4.0	6.2	8.6
78.5°	4205.8	3583.7	1690.9	63.0	4.1	6.3	8.7
79°	4203.6	3579.2	1671.8	58.2	4.1	6.4	8.8
79.5°	4200.0	3573.1	1652.3	53.4	4.2	6.5	8.9
80°	4194.6	3567.5	1631.1	48.7	4.2	6.6	9.0
80.5°	4187.1	3559.7	1605.7	44.3	4.3	6.7	9.1
81°	4179.1	3551.5	1576.8	40.4	4.4	6.8	9.2
81.5°	4170.6	3541.6	1548.8	36.6	4.4	6.9	9.3
82°	4160.7	3532.2	1521.1	33.1	4.5	7.0	9.4
82.5°	4152.2	3521.8	1493.5	30.1	4.6	7.1	9.5
83°	4143.8	3513.4	1465.6	27.2	4.6	7.2	9.6
83.5°	4135.8	3506.2	1437.8	24.4	4.7	7.3	9.7
84°	4128.3	3501.8	1413.2	22.0	4.8	7.4	9.8
84.5°	4120.1	3497.1	1388.5	19.6	4.8	7.5	9.9
85°	4111.9	3494.0	1364.6	17.7	4.9	7.6	10.0
85.5°	4105.7	3489.4	1340.2	15.8	4.9	7.7	10.1
86°	4098.2	3484.8	1318.0	14.0	5.0	7.8	10.2
86.5°	4090.9	3481.2	1297.3	12.5	5.0	7.9	10.2
87°	4082.0	3478.2	1278.0	10.9	5.1	7.9	10.3
87.5°	4072.1	3474.6	1258.3	9.5	5.1	8.0	10.4
88°	4061.8	3471.9	1242.6	8.1	5.2	8.1	10.5
88.5°	4052.5	3469.2	1227.5	6.8	5.2	8.2	10.5
89°	4039.7	3465.3	1213.7	5.7	5.3	8.2	10.6
89.5°	4023.9	3460.4	1201.1	4.8	5.3	8.3	10.7

REPORT NUMBER: P1197064

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	4007.3	3455.3	1191.8	3.9	5.4	8.4	10.8
90.5°	3986.9	3451.1	1185.2	3.3	5.5	8.5	10.8
91°	3965.0	3448.1	1177.7	3.1	5.5	8.5	10.9
91.5°	3942.7	3444.2	1174.3	3.1	5.5	8.6	11.0
92°	3918.4	3439.7	1174.8	3.0	5.6	8.7	11.0
92.5°	3893.2	3434.4	1181.0	3.0	5.6	8.8	11.0
93°	3868.1	3429.6	1192.5	2.9	5.7	8.9	11.1
93.5°	3844.1	3426.4	1215.3	2.9	5.7	9.0	11.1
94°	3818.7	3423.6	1249.4	2.9	5.8	9.1	11.2
94.5°	3794.3	3416.5	1281.8	2.8	5.8	9.2	11.2
95°	3761.2	3402.7	1305.5	2.8	5.9	9.2	11.3
95.5°	3708.9	3377.1	1311.1	2.8	5.9	9.3	11.3
96°	3642.8	3350.4	1298.7	2.7	6.0	9.4	11.4
96.5°	3572.6	3335.3	1279.6	2.7	6.0	9.4	11.4
97°	3493.7	3351.1	1260.6	2.7	6.1	9.5	11.4
97.5°	3425.2	3379.8	1228.2	2.7	6.1	9.6	11.5
98°	3384.9	3431.8	1176.9	2.7	6.2	9.7	11.5
98.5°	3369.7	3480.1	1097.3	2.6	6.2	9.7	11.6
99°	3381.1	3504.1	983.6	2.6	6.3	9.8	11.6
99.5°	3421.8	3477.4	868.1	2.6	6.3	9.9	11.6
100°	3496.7	3382.5	752.6	2.6	6.4	10.0	11.6
100.5°	3609.5	3194.9	637.1	2.6	6.4	10.0	11.7
101°	3722.9	2929.5	521.6	2.6	6.5	10.1	11.7
101.5°	3802.5	2610.8	407.7	2.6	6.5	10.1	11.7
102°	3808.1	2299.8	320.2	2.6	6.6	10.1	11.7
102.5°	3723.4	2035.1	241.5	2.6	6.6	10.2	11.8
103°	3531.6	1816.6	197.7	2.6	6.7	10.2	11.8
103.5°	3250.4	1650.5	183.9	2.6	6.7	10.3	11.8
104°	2932.0	1583.8	190.2	2.6	6.8	10.3	11.8
104.5°	2646.8	1632.3	208.0	2.6	6.8	10.3	11.9
105°	2366.2	1764.3	212.7	2.6	6.8	10.4	11.9
105.5°	2093.4	1877.0	210.0	2.7	6.9	10.4	11.9
106°	1895.6	1839.9	205.6	2.7	6.9	10.4	11.9
106.5°	1753.9	1613.0	199.9	2.7	6.9	10.5	11.9
107°	1738.2	1233.0	189.6	2.7	7.0	10.5	11.9
107.5°	1830.3	833.0	169.8	2.7	7.0	10.5	12.0
108°	1927.6	484.8	133.1	2.7	7.0	10.6	12.0
108.5°	1877.6	275.9	104.8	2.8	7.1	10.6	12.0
109°	1541.7	232.7	90.1	2.8	7.1	10.6	12.0
109.5°	1206.2	197.3	74.9	2.8	7.1	10.6	12.0
110°	870.6	161.7	53.4	2.8	7.2	10.6	12.0
110.5°	535.0	126.3	37.0	2.9	7.2	10.7	12.0
111°	213.2	126.0	31.3	2.9	7.2	10.7	12.0
111.5°	172.9	125.5	26.1	2.9	7.3	10.7	12.1
112°	165.5	120.6	21.3	3.0	7.3	10.7	12.1

REPORT NUMBER: P1197064

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	164.4	108.1	17.0	3.0	7.3	10.7	12.1
113°	166.5	98.1	13.9	3.0	7.4	10.7	12.1
113.5°	166.3	91.4	11.6	3.1	7.4	10.7	12.1
114°	163.3	83.0	9.8	3.1	7.4	10.7	12.1
114.5°	153.6	73.5	8.4	3.1	7.4	10.8	12.1
115°	139.7	66.4	7.2	3.1	7.5	10.8	12.1
115.5°	129.4	62.8	6.0	3.2	7.5	10.8	12.1
116°	123.6	60.8	5.1	3.2	7.5	10.8	12.1
116.5°	114.7	59.6	4.4	3.3	7.5	10.8	12.1
117°	103.5	59.3	4.0	3.3	7.6	10.8	12.1
117.5°	96.0	59.0	3.6	3.3	7.6	10.8	12.1
118°	92.0	57.6	3.3	3.4	7.6	10.8	12.1
118.5°	90.4	54.7	3.0	3.4	7.6	10.9	12.1
119°	88.0	50.1	2.8	3.4	7.6	10.9	12.1
119.5°	85.1	45.3	2.6	3.5	7.6	10.9	12.1
120°	81.7	40.0	2.4	3.5	7.7	10.9	12.1
120.5°	77.8	32.8	2.3	3.5	7.7	10.9	12.1
121°	72.5	24.0	2.1	3.6	7.7	10.9	12.0
121.5°	65.7	16.1	2.0	3.6	7.7	10.9	12.0
122°	57.7	10.6	1.8	3.7	7.7	10.9	12.0
122.5°	50.4	8.2	1.7	3.7	7.8	10.9	12.0
123°	43.4	6.9	1.6	3.7	7.8	10.9	12.0
123.5°	35.4	5.7	1.5	3.8	7.8	10.9	11.9
124°	27.4	4.6	1.4	3.8	7.8	10.9	11.9
124.5°	20.7	3.5	1.3	3.8	7.8	10.9	11.9
125°	16.8	2.5	1.3	3.9	7.9	10.9	11.9
125.5°	14.0	1.8	1.2	3.9	7.9	10.9	11.8
126°	10.2	1.3	1.2	4.0	7.9	10.9	11.8
126.5°	6.6	1.1	1.2	4.0	7.9	10.9	11.8
127°	5.0	1.0	1.2	4.0	7.9	10.9	11.7
127.5°	3.8	0.9	1.2	4.1	8.0	10.9	11.7
128°	2.9	0.8	1.2	4.1	8.0	10.9	11.7
128.5°	2.3	0.8	1.2	4.2	8.0	10.9	11.7
129°	1.7	0.8	1.2	4.2	8.0	10.9	11.6
129.5°	0.9	0.7	1.2	4.2	8.0	10.8	11.6
130°	0.9	0.7	1.2	4.3	8.0	10.8	11.5
130.5°	0.8	0.7	1.3	4.3	8.0	10.8	11.5
131°	0.8	0.7	1.3	4.3	8.1	10.8	11.5
131.5°	0.7	0.6	1.4	4.4	8.1	10.8	11.4
132°	0.7	0.6	1.4	4.4	8.1	10.8	11.4
132.5°	0.7	0.6	1.4	4.4	8.1	10.8	11.4
133°	0.6	0.6	1.5	4.5	8.1	10.7	11.3
133.5°	0.6	0.6	1.5	4.5	8.1	10.7	11.3
134°	0.6	0.5	1.6	4.6	8.1	10.7	11.3
134.5°	0.6	0.5	1.6	4.6	8.1	10.7	11.3

REPORT NUMBER: P1197064

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.6	0.5	1.7	4.6	8.1	10.7	11.2
135.5°	0.5	0.5	1.7	4.7	8.1	10.6	11.2
136°	0.5	0.5	1.8	4.7	8.1	10.6	11.2
136.5°	0.5	0.5	1.8	4.7	8.1	10.6	11.2
137°	0.4	0.5	1.9	4.8	8.1	10.6	11.1
137.5°	0.4	0.5	1.9	4.8	8.1	10.5	11.1
138°	0.4	0.5	2.0	4.8	8.1	10.5	11.1
138.5°	0.4	0.5	2.0	4.9	8.1	10.5	11.0
139°	0.4	0.5	2.1	4.9	8.1	10.5	11.0
139.5°	0.4	0.5	2.1	4.9	8.1	10.5	10.9
140°	0.4	0.5	2.2	5.0	8.1	10.4	10.8
140.5°	0.4	0.5	2.2	5.0	8.1	10.4	10.8
141°	0.4	0.5	2.3	5.1	8.1	10.4	10.7
141.5°	0.4	0.5	2.3	5.1	8.1	10.4	10.6
142°	0.4	0.5	2.4	5.1	8.1	10.3	10.6
142.5°	0.4	0.5	2.4	5.2	8.1	10.3	10.5
143°	0.4	0.6	2.5	5.2	8.1	10.2	10.4
143.5°	0.4	0.6	2.5	5.2	8.1	10.2	10.4
144°	0.4	0.6	2.6	5.3	8.1	10.2	10.3
144.5°	0.4	0.6	2.6	5.3	8.1	10.1	10.2
145°	0.4	0.7	2.7	5.4	8.1	10.1	10.1
145.5°	0.5	0.7	2.8	5.4	8.0	10.0	10.1
146°	0.5	0.7	2.8	5.4	8.1	10.0	10.0
146.5°	0.5	0.8	2.8	5.4	8.0	9.9	9.9
147°	0.5	0.8	2.9	5.5	8.0	9.9	9.8
147.5°	0.6	0.8	2.9	5.5	8.0	9.9	9.7
148°	0.6	0.9	3.0	5.5	8.0	9.8	9.7
148.5°	0.6	0.9	3.0	5.6	8.0	9.8	9.6
149°	0.6	0.9	3.1	5.6	8.0	9.7	9.5
149.5°	0.6	1.0	3.1	5.6	8.0	9.7	9.5
150°	0.7	1.0	3.2	5.7	8.0	9.7	9.4
150.5°	0.7	1.1	3.2	5.7	8.0	9.7	9.3
151°	0.7	1.1	3.3	5.7	8.0	9.6	9.2
151.5°	0.8	1.1	3.3	5.7	8.0	9.6	9.1
152°	0.8	1.2	3.4	5.8	8.0	9.6	9.0
152.5°	0.8	1.2	3.4	5.8	8.0	9.5	8.9
153°	0.9	1.3	3.5	5.8	8.0	9.5	8.8
153.5°	0.9	1.3	3.5	5.9	8.0	9.5	8.7
154°	0.9	1.4	3.6	5.9	8.0	9.4	8.6
154.5°	1.0	1.5	3.6	5.9	8.0	9.4	8.5
155°	1.0	1.5	3.7	6.0	8.0	9.3	8.4
155.5°	1.0	1.6	3.7	6.0	8.0	9.3	8.3
156°	1.0	1.6	3.8	6.0	8.0	9.2	8.2
156.5°	1.1	1.7	3.9	6.0	8.0	9.2	8.1
157°	1.1	1.7	3.9	6.0	8.0	9.1	8.1

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CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.1	1.8	4.0	6.1	8.0	9.1	8.0
158°	1.2	1.9	4.0	6.1	7.9	9.0	7.9
158.5°	1.2	1.9	4.1	6.1	7.9	9.0	7.8
159°	1.2	2.0	4.1	6.2	7.9	8.9	7.7
159.5°	1.3	2.1	4.2	6.2	7.9	8.8	7.6
160°	1.3	2.1	4.2	6.2	7.9	8.8	7.5
160.5°	1.4	2.2	4.3	6.2	7.9	8.7	7.4
161°	1.4	2.3	4.3	6.3	7.9	8.7	7.3
161.5°	1.5	2.3	4.4	6.3	7.9	8.6	7.2
162°	1.5	2.4	4.4	6.3	7.8	8.6	7.1
162.5°	1.6	2.5	4.5	6.3	7.8	8.5	7.0
163°	1.6	2.5	4.6	6.3	7.8	8.4	6.9
163.5°	1.7	2.6	4.6	6.4	7.8	8.4	6.8
164°	1.8	2.7	4.7	6.4	7.8	8.3	6.7
164.5°	1.9	2.8	4.7	6.4	7.8	8.3	6.6
165°	1.9	2.9	4.8	6.5	7.8	8.3	6.5
165.5°	2.0	2.9	4.8	6.5	7.7	8.2	6.4
166°	2.1	3.0	4.9	6.5	7.7	8.1	6.3
166.5°	2.1	3.1	4.9	6.5	7.7	8.1	6.2
167°	2.2	3.2	5.0	6.5	7.7	8.0	6.1
167.5°	2.2	3.2	5.0	6.6	7.7	8.0	6.0
168°	2.3	3.4	5.1	6.6	7.6	7.9	5.9
168.5°	2.4	3.4	5.1	6.6	7.6	7.9	5.9
169°	2.5	3.5	5.2	6.6	7.6	7.9	5.7
169.5°	2.5	3.6	5.3	6.6	7.6	7.8	5.6
170°	2.6	3.7	5.3	6.6	7.6	7.8	5.6
170.5°	2.7	3.8	5.4	6.7	7.5	7.7	5.5
171°	2.7	3.8	5.4	6.7	7.5	7.6	5.4
171.5°	2.8	3.9	5.5	6.7	7.5	7.6	5.3
172°	2.9	4.0	5.5	6.7	7.5	7.5	5.2
172.5°	2.9	4.1	5.6	6.7	7.4	7.4	5.1
173°	3.0	4.1	5.6	6.7	7.4	7.4	5.0
173.5°	3.1	4.2	5.7	6.7	7.3	7.3	4.9
174°	3.1	4.3	5.7	6.7	7.3	7.2	4.8
174.5°	3.2	4.4	5.8	6.7	7.3	7.2	4.7
175°	3.2	4.4	5.8	6.8	7.3	7.1	4.7
175.5°	3.3	4.5	5.9	6.8	7.2	7.1	4.6
176°	3.4	4.6	5.9	6.8	7.2	7.0	4.5
176.5°	3.4	4.7	6.0	6.8	7.2	6.9	4.4
177°	3.5	4.8	6.0	6.8	7.2	6.8	4.4
177.5°	3.6	4.8	6.1	6.8	7.1	6.8	4.3
178°	3.6	4.9	6.1	6.8	7.0	6.7	4.2
178.5°	3.7	5.0	6.2	6.9	7.0	6.6	4.1
179°	3.8	5.1	6.2	6.9	7.0	6.6	4.1
179.5°	3.8	5.1	6.2	6.9	6.9	6.5	4.0



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CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)