

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: P1197199

Luminaire Tested: AWPS75S-BZ-HIGH-4000K-POSITION 30

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197199
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-HIGH-4000K-POSITION 30
Description: AWP Architectural
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9923 (1 lamp)
Luminaire Lumens: 11090.3 lumens
Efficiency: 111.8%
Efficacy: 150.1 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: B2 - U3 - 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

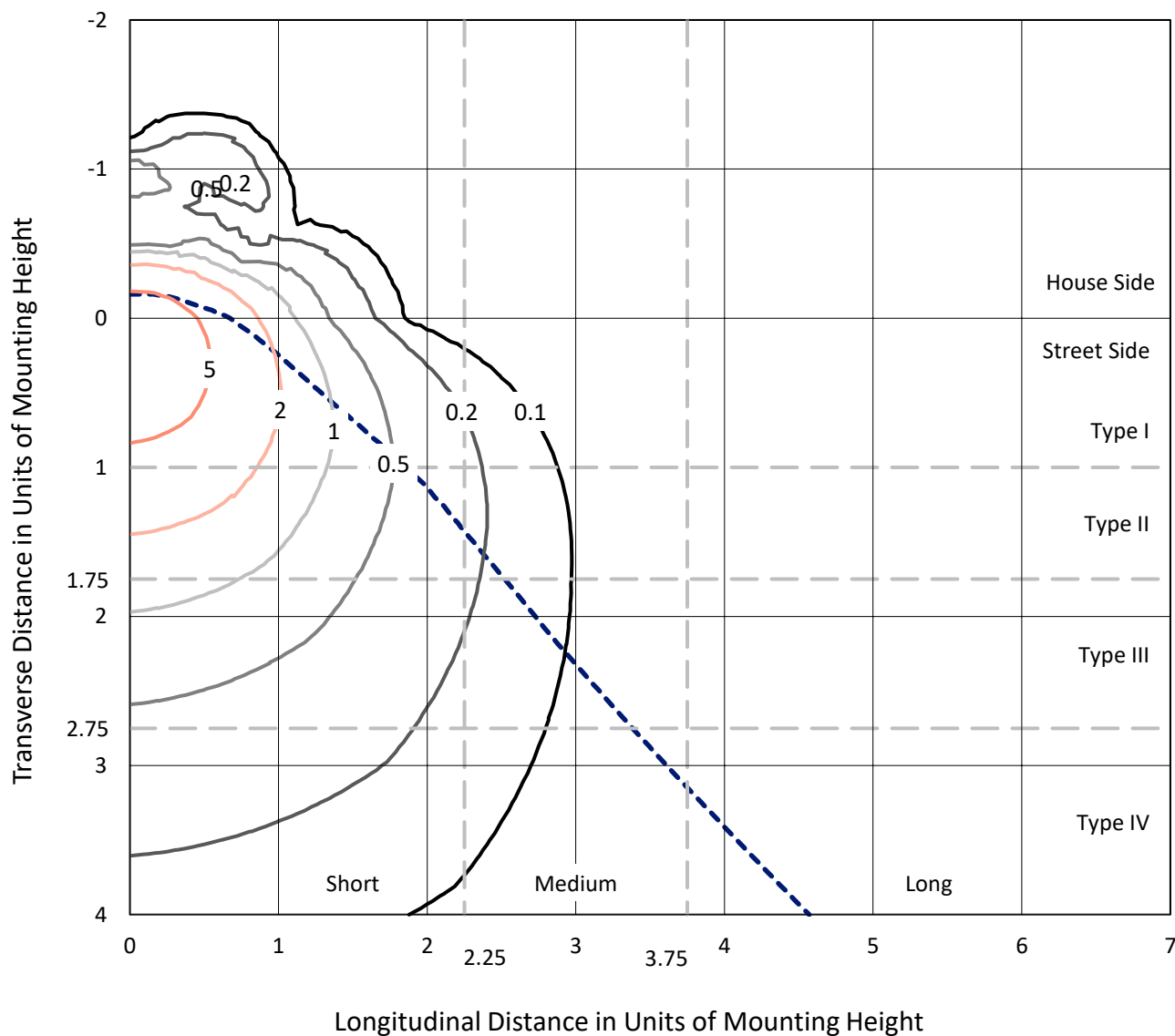
REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

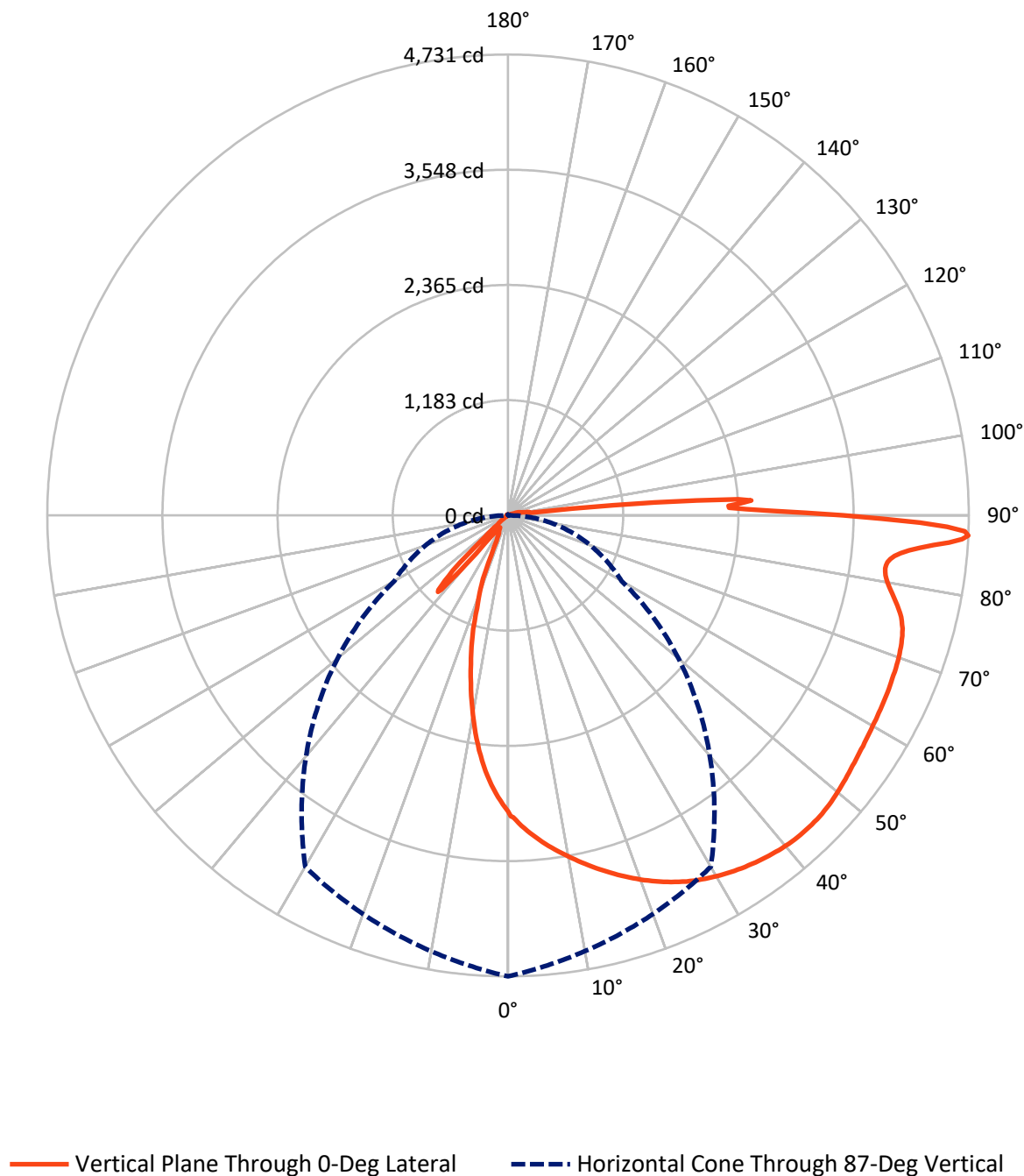


Based on 20 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

Luminous Intensity Polar Plot



REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

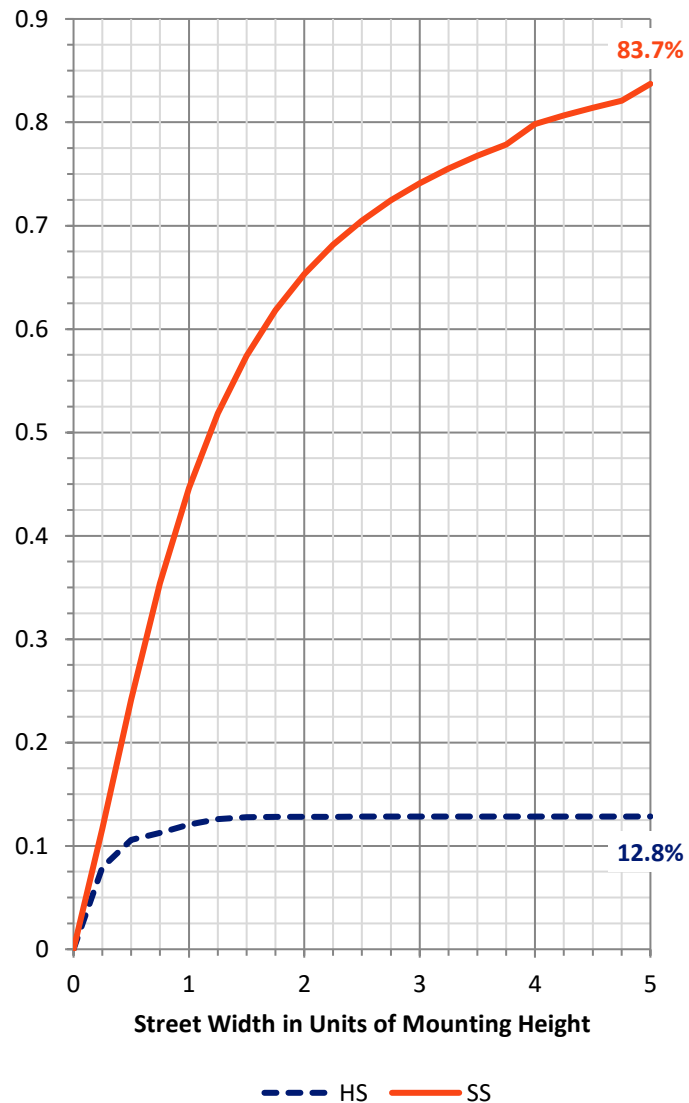
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1292.6	27.2	1319.8
	% Lamp	13.0	0.3	13.3
Street Side	Lumens	9311.7	458.8	9770.5
	% Lamp	93.8	4.6	98.5
Total	Lumens	10604.3	486.0	11090.3
	% Lamp	106.9	4.9	111.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	287.7	2.6	2.9
10°-20°	781.0	7.0	7.9
20°-30°	1099.1	9.9	11.1
30°-40°	1323.6	11.9	13.3
40°-50°	1512.1	13.6	15.2
50°-60°	1523.2	13.7	15.4
60°-70°	1422.2	12.8	14.3
70°-80°	1348.0	12.2	13.6
80°-90°	1307.4	11.8	13.2
90°-100°	427.5	3.9	4.3
100°-110°	31.8	0.3	0.3
110°-120°	6.0	0.1	0.1
120°-130°	5.0	0.0	0.1
130°-140°	4.8	0.0	0.0
140°-150°	4.3	0.0	0.0
150°-160°	3.5	0.0	0.0
160°-170°	2.3	0.0	0.0
170°-180°	0.8	0.0	0.0
0°-90°	10604.3	95.6	106.9
0°-180°	11090.3	100.0	111.8

Coefficient of Utilization



REPORT NUMBER: P1197199

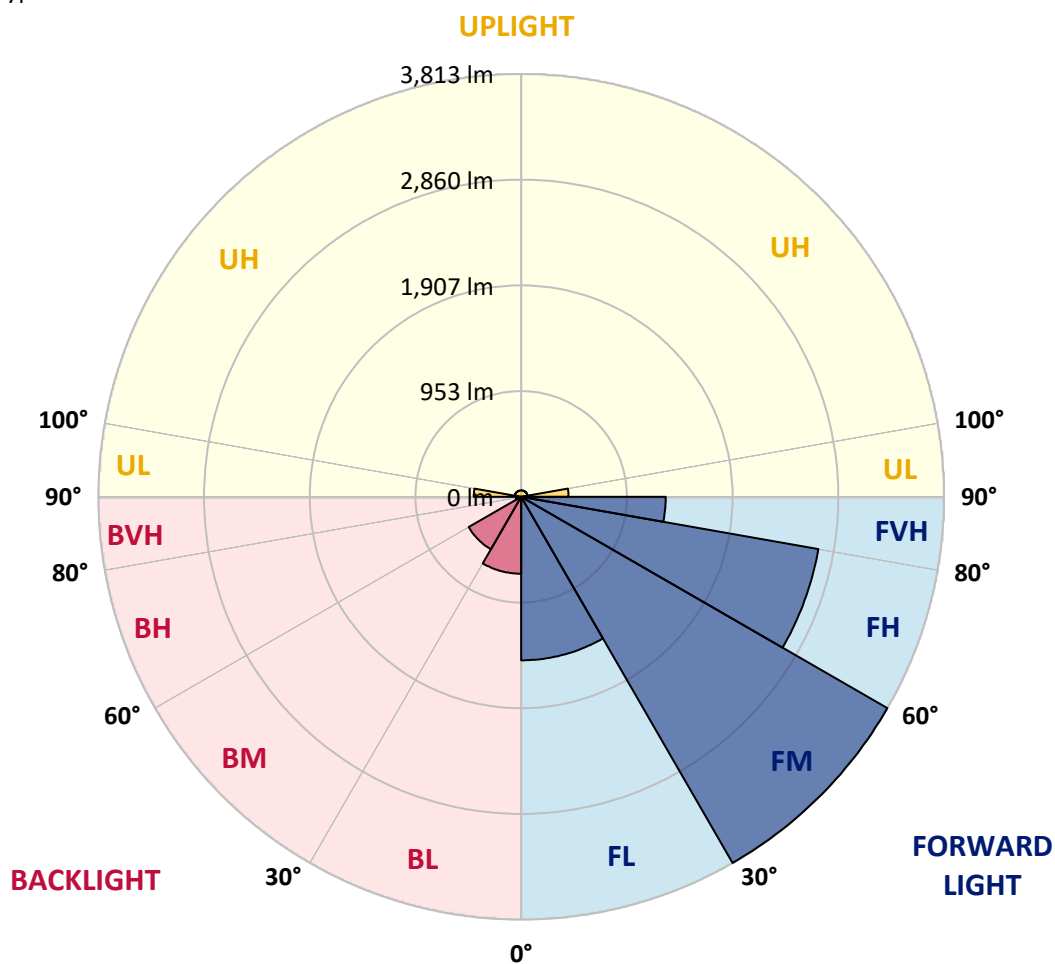
CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1474.4	14.9			
FM	(30°-60°)	3813.0	38.4			
FH	(60°-80°)	2721.3	27.4			G2/5000
FVH	(80°-90°)	1303.0	13.1			G5
BL	(0°-30°)	693.4	7.0	B2/1000		
BM	(30°-60°)	545.8	5.5	B1/1000		
BH	(60°-80°)	48.9	0.5	B0/110		G0/110
BVH	(80°-90°)	4.4	0.0			G0/10
UL	(90°-100°)	427.5	4.3		U3/500	
UH	(100°-180°)	58.5	0.6		U3/500	
Trapped Light		-1167.3	-11.8			

BUG Rating: B2-U3-G5

Type IV Short



REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3088.3	3088.3	3088.3	3088.3	3088.3	3088.3	3088.3
0.5°	3099.5	3118.4	3114.4	3102.9	3078.9	3045.9	3034.6
1°	3129.6	3143.9	3128.7	3102.7	3063.5	3017.0	3001.5
1.5°	3158.3	3169.7	3142.2	3101.4	3046.4	2987.8	2966.9
2°	3187.6	3194.0	3157.0	3101.2	3029.4	2956.9	2929.8
2.5°	3215.5	3217.6	3170.6	3098.8	3011.6	2924.0	2892.8
3°	3242.4	3240.3	3182.7	3095.4	2992.5	2890.8	2853.4
3.5°	3268.8	3262.6	3195.3	3093.3	2972.7	2856.2	2813.5
4°	3294.2	3284.3	3207.3	3090.5	2953.3	2819.7	2770.9
4.5°	3319.3	3305.3	3217.2	3086.4	2932.3	2784.0	2726.1
5°	3345.1	3326.3	3227.6	3083.0	2910.2	2745.8	2682.0
5.5°	3369.2	3346.5	3237.9	3078.8	2888.8	2704.0	2633.7
6°	3393.0	3366.5	3247.0	3073.8	2865.8	2664.4	2584.6
6.5°	3416.7	3385.4	3256.6	3068.8	2842.1	2622.3	2534.8
7°	3440.1	3404.8	3265.6	3062.9	2818.3	2577.8	2483.0
7.5°	3462.8	3423.1	3272.8	3056.9	2794.0	2532.3	2427.9
8°	3485.8	3441.8	3280.8	3051.0	2767.7	2486.7	2372.2
8.5°	3508.1	3460.2	3288.6	3044.2	2741.8	2438.1	2315.6
9°	3530.3	3477.8	3295.4	3037.2	2715.6	2388.2	2258.6
9.5°	3554.0	3494.9	3301.6	3029.8	2687.9	2338.3	2199.0
10°	3575.7	3513.2	3308.1	3021.7	2657.5	2286.7	2138.4
10.5°	3597.7	3531.0	3313.6	3014.1	2629.6	2233.6	2076.2
11°	3620.1	3547.8	3319.2	3005.7	2598.2	2180.9	2012.8
11.5°	3641.7	3563.5	3324.6	2996.6	2567.8	2126.9	1952.0
12°	3663.9	3580.2	3330.1	2988.0	2536.8	2071.6	1890.1
12.5°	3685.0	3598.0	3334.2	2978.2	2504.3	2015.0	1824.6
13°	3707.0	3613.5	3339.1	2968.3	2470.3	1958.5	1762.0
13.5°	3729.3	3629.6	3342.7	2958.8	2438.5	1899.7	1700.8
14°	3750.6	3646.3	3346.4	2947.7	2402.3	1843.5	1637.1
14.5°	3772.2	3661.4	3350.3	2936.6	2365.3	1784.6	1574.6
15°	3793.1	3677.8	3353.1	2926.0	2330.8	1729.0	1515.5
15.5°	3814.1	3692.9	3355.8	2913.6	2293.0	1670.4	1455.4
16°	3835.5	3709.0	3358.7	2902.2	2253.7	1613.1	1397.3
16.5°	3856.2	3724.2	3361.3	2891.1	2216.7	1557.8	1338.1
17°	3876.3	3739.5	3363.6	2877.1	2178.0	1502.7	1282.4
17.5°	3897.2	3754.8	3365.6	2863.3	2137.2	1446.8	1219.0
18°	3917.2	3769.7	3367.9	2851.5	2097.3	1394.5	1143.2
18.5°	3937.4	3783.7	3369.3	2837.5	2056.7	1339.9	1068.7
19°	3957.3	3798.8	3370.4	2822.4	2013.3	1286.7	1002.8
19.5°	3977.3	3812.9	3371.3	2809.6	1971.4	1235.2	944.4
20°	3995.8	3826.6	3372.3	2794.4	1929.9	1183.0	894.0
20.5°	4014.1	3840.8	3372.4	2779.1	1885.0	1123.1	847.7
21°	4031.9	3854.3	3373.5	2763.7	1839.5	1053.9	807.1
21.5°	4050.3	3867.4	3374.2	2747.2	1796.3	988.1	759.6
22°	4067.4	3880.6	3373.4	2730.3	1750.8	928.6	698.6

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	4085.2	3893.1	3373.4	2714.1	1705.6	877.3	618.9
23°	4102.1	3904.3	3372.3	2696.4	1662.5	831.6	529.2
23.5°	4118.8	3917.4	3371.4	2678.9	1616.3	790.5	438.9
24°	4134.5	3928.6	3370.5	2661.5	1570.7	750.6	366.1
24.5°	4150.9	3940.0	3370.3	2642.8	1527.8	707.9	311.3
25°	4165.1	3951.4	3368.6	2624.4	1482.5	651.4	289.1
25.5°	4179.6	3961.9	3366.6	2605.2	1435.7	582.2	267.9
26°	4193.7	3972.8	3364.5	2585.3	1390.9	501.7	246.7
26.5°	4206.7	3983.5	3362.2	2566.6	1347.3	420.5	225.5
27°	4219.2	3992.5	3359.7	2546.5	1301.9	351.5	214.7
27.5°	4231.5	4002.4	3357.7	2525.0	1259.2	298.2	206.8
28°	4243.3	4011.1	3354.9	2504.6	1217.5	275.5	201.4
28.5°	4254.1	4019.1	3351.0	2483.2	1175.2	254.2	197.6
29°	4265.6	4028.1	3347.3	2460.9	1135.7	232.9	194.7
29.5°	4276.5	4034.8	3343.7	2438.8	1096.3	211.6	192.4
30°	4287.4	4042.2	3340.3	2416.7	1056.8	202.5	190.2
30.5°	4297.4	4049.0	3335.6	2392.9	1017.4	195.7	187.3
31°	4307.1	4055.5	3331.3	2369.6	980.4	191.1	182.7
31.5°	4316.3	4061.4	3326.9	2346.8	943.9	188.6	176.1
32°	4325.0	4066.7	3321.8	2321.6	907.3	187.6	168.4
32.5°	4334.2	4071.5	3316.2	2298.2	873.8	187.7	161.9
33°	4342.7	4076.5	3310.9	2272.6	840.1	188.6	156.0
33.5°	4350.9	4081.3	3305.2	2247.3	801.3	189.5	150.2
34°	4358.6	4085.6	3298.5	2221.5	763.8	190.5	149.0
34.5°	4366.9	4089.7	3292.2	2194.5	726.3	191.7	149.9
35°	4374.2	4093.8	3285.6	2167.6	688.2	193.0	151.5
35.5°	4381.5	4096.8	3277.5	2140.9	646.5	194.2	154.1
36°	4388.4	4099.3	3270.4	2113.1	604.8	195.1	159.3
36.5°	4395.2	4102.9	3262.8	2085.3	563.1	194.9	170.0
37°	4401.8	4105.8	3254.6	2056.7	521.4	193.1	191.0
37.5°	4407.6	4108.4	3246.6	2027.5	478.8	186.3	214.6
38°	4413.6	4110.9	3238.3	1999.2	422.9	179.2	228.8
38.5°	4419.3	4113.2	3229.4	1969.4	370.2	171.6	240.0
39°	4425.1	4115.2	3220.1	1939.6	327.6	163.3	261.6
39.5°	4428.9	4116.4	3210.7	1911.0	292.3	155.9	306.5
40°	4433.8	4117.9	3200.9	1880.7	267.7	149.2	380.7
40.5°	4437.3	4117.6	3190.5	1850.7	251.0	143.4	508.9
41°	4440.8	4118.1	3181.1	1822.0	239.4	139.2	637.5
41.5°	4444.0	4117.3	3170.6	1791.6	230.6	137.8	766.2
42°	4445.7	4117.3	3159.5	1762.0	223.8	137.9	894.9
42.5°	4447.0	4116.6	3149.4	1732.7	217.7	139.2	1023.6
43°	4448.5	4115.3	3138.2	1701.2	212.4	140.0	1063.7
43.5°	4449.5	4113.7	3125.7	1669.1	207.5	141.2	1046.1
44°	4449.5	4111.8	3114.7	1634.5	202.8	144.4	988.9
44.5°	4449.6	4109.0	3102.5	1599.1	198.8	152.8	931.2

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4448.6	4105.7	3089.4	1562.0	195.0	169.3	868.6
45.5°	4447.8	4100.8	3076.0	1523.5	191.5	201.8	802.2
46°	4445.7	4096.8	3063.2	1485.1	188.4	243.4	689.4
46.5°	4443.0	4093.0	3048.9	1446.9	185.2	278.2	550.5
47°	4439.9	4087.6	3034.2	1407.7	181.9	320.0	417.9
47.5°	4435.8	4082.2	3019.8	1368.4	179.1	376.8	315.8
48°	4432.0	4076.7	3004.3	1331.2	176.7	447.0	273.6
48.5°	4427.6	4071.2	2988.6	1291.7	173.8	489.3	232.9
49°	4423.1	4064.7	2972.5	1252.9	170.7	530.1	192.0
49.5°	4418.0	4057.5	2956.2	1215.5	167.9	570.9	150.7
50°	4412.8	4050.8	2939.3	1176.9	164.7	612.1	135.0
50.5°	4407.1	4043.2	2922.2	1137.0	161.5	653.4	123.0
51°	4401.6	4035.5	2904.2	1098.0	157.5	625.3	111.9
51.5°	4395.9	4026.5	2886.1	1059.0	153.4	589.6	101.2
52°	4389.9	4017.4	2867.9	1017.8	149.6	559.9	91.6
52.5°	4383.9	4009.2	2849.9	978.0	145.7	524.1	83.0
53°	4378.3	4000.1	2831.4	938.8	141.9	490.4	75.3
53.5°	4372.8	3990.7	2813.0	899.0	137.7	459.4	68.4
54°	4367.8	3980.5	2792.5	861.3	132.3	426.8	61.7
54.5°	4362.6	3970.7	2772.5	824.2	127.4	393.3	55.6
55°	4357.8	3960.2	2751.4	787.8	122.5	358.5	49.2
55.5°	4353.2	3950.4	2729.6	753.9	117.8	321.1	42.9
56°	4349.2	3941.2	2708.4	721.1	113.3	288.5	37.3
56.5°	4345.8	3931.7	2687.9	691.0	108.7	256.0	31.9
57°	4341.6	3921.8	2666.9	663.3	104.2	223.5	26.8
57.5°	4337.7	3912.5	2646.2	637.0	99.8	191.0	22.3
58°	4333.6	3902.3	2625.8	612.4	94.7	158.5	18.2
58.5°	4330.5	3893.0	2605.9	588.3	89.4	135.4	16.0
59°	4327.8	3883.8	2584.7	560.8	84.6	113.9	14.5
59.5°	4323.7	3875.1	2564.9	528.8	80.0	91.1	13.1
60°	4320.6	3865.1	2545.6	493.0	75.0	69.6	11.7
60.5°	4318.7	3856.1	2524.9	449.9	70.9	54.9	10.5
61°	4315.3	3847.0	2504.3	406.3	66.9	42.5	9.4
61.5°	4312.8	3838.8	2484.1	366.5	62.3	23.4	8.5
62°	4310.4	3830.1	2463.6	337.2	58.6	10.7	7.5
62.5°	4307.8	3820.8	2443.3	316.4	55.7	8.1	6.7
63°	4305.0	3811.8	2423.1	304.3	53.2	7.8	6.2
63.5°	4302.9	3803.4	2402.1	292.5	50.8	7.7	5.7
64°	4301.7	3794.8	2380.1	280.6	48.4	7.7	5.2
64.5°	4299.3	3787.3	2357.7	268.8	46.0	7.6	4.9
65°	4296.2	3780.1	2334.5	262.7	43.6	7.4	4.7
65.5°	4293.7	3773.0	2310.2	256.9	41.1	7.0	4.5
66°	4290.3	3766.2	2284.1	251.3	38.8	6.8	4.4
66.5°	4286.7	3760.2	2258.0	245.5	36.4	6.5	4.4
67°	4284.1	3754.3	2230.3	239.8	33.9	6.3	4.3

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4281.7	3749.2	2202.5	234.6	30.6	6.1	4.3
68°	4279.2	3744.1	2174.7	230.0	27.4	5.9	4.2
68.5°	4275.8	3738.6	2146.4	225.5	25.0	5.6	4.2
69°	4272.9	3733.8	2118.5	221.5	23.0	5.4	4.2
69.5°	4268.8	3728.2	2089.8	217.7	21.3	5.1	4.2
70°	4263.7	3723.3	2060.7	213.9	19.5	4.8	4.2
70.5°	4259.2	3719.4	2031.5	210.0	17.6	4.6	4.2
71°	4254.0	3716.2	2001.7	205.8	15.5	4.4	4.2
71.5°	4247.6	3713.0	1971.8	201.6	13.3	4.2	4.2
72°	4240.2	3710.8	1940.6	196.9	10.9	4.0	4.3
72.5°	4233.0	3707.2	1908.7	192.1	8.5	3.8	4.4
73°	4223.6	3702.2	1873.5	187.1	6.4	3.7	4.5
73.5°	4213.6	3696.8	1838.2	181.4	4.9	3.5	4.6
74°	4199.9	3691.6	1801.5	174.6	3.8	3.4	4.7
74.5°	4185.0	3686.4	1766.6	166.6	3.3	3.3	4.8
75°	4168.8	3682.0	1733.0	157.7	3.2	3.2	4.9
75.5°	4148.3	3677.3	1700.9	147.8	3.1	3.2	5.0
76°	4126.3	3670.3	1669.8	137.4	3.0	3.2	5.1
76.5°	4102.9	3663.4	1636.1	127.0	2.9	3.2	5.2
77°	4077.7	3656.3	1604.4	117.2	2.8	3.2	5.3
77.5°	4052.2	3649.8	1573.8	107.6	2.8	3.2	5.3
78°	4025.8	3644.1	1542.1	98.5	2.8	3.2	5.4
78.5°	4001.4	3638.4	1512.9	89.8	2.8	3.3	5.6
79°	3977.7	3633.2	1484.7	81.3	2.8	3.4	5.7
79.5°	3957.4	3625.5	1456.6	73.5	2.8	3.5	5.8
80°	3939.3	3620.2	1429.3	65.8	2.8	3.6	6.0
80.5°	3924.2	3616.1	1403.6	58.7	2.8	3.7	6.1
81°	3914.9	3617.4	1378.9	52.3	2.8	3.8	6.3
81.5°	3911.8	3634.4	1356.6	46.7	2.8	3.9	6.4
82°	3915.6	3662.8	1336.1	41.9	2.9	4.0	6.6
82.5°	3926.7	3703.6	1317.2	37.5	2.9	4.1	6.7
83°	3951.4	3762.3	1303.6	33.7	2.9	4.3	6.8
83.5°	3990.9	3843.9	1289.2	30.2	3.0	4.4	6.9
84°	4051.6	3940.8	1277.6	26.8	3.0	4.5	7.0
84.5°	4134.8	4037.7	1270.4	23.9	3.1	4.6	7.2
85°	4239.1	4156.0	1268.9	21.1	3.2	4.7	7.3
85.5°	4378.5	4256.6	1270.6	18.7	3.2	4.8	7.5
86°	4538.0	4303.9	1282.0	16.3	3.3	5.0	7.6
86.5°	4667.1	4280.1	1308.8	14.2	3.3	5.1	7.8
87°	4730.6	4164.3	1346.6	12.2	3.4	5.2	7.9
87.5°	4694.2	3953.7	1397.1	10.3	3.5	5.3	8.0
88°	4511.7	3654.5	1445.3	8.6	3.5	5.5	8.1
88.5°	4229.4	3313.8	1489.9	7.1	3.6	5.6	8.2
89°	3836.3	2968.2	1517.9	5.7	3.7	5.7	8.4
89.5°	3441.8	2663.7	1530.6	4.7	3.8	5.8	8.5

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3055.6	2404.7	1517.3	3.7	3.9	6.0	8.6
90.5°	2706.5	2198.5	1478.1	3.2	4.0	6.1	8.8
91°	2442.4	2116.7	1410.8	3.2	4.1	6.2	8.9
91.5°	2270.6	2165.6	1300.8	3.1	4.2	6.4	9.0
92°	2267.3	2311.4	1148.5	3.0	4.3	6.5	9.1
92.5°	2393.1	2410.4	1010.4	3.0	4.4	6.6	9.2
93°	2502.8	2355.1	872.3	2.9	4.5	6.8	9.4
93.5°	2370.2	2065.1	734.2	2.9	4.6	6.9	9.4
94°	1942.0	1587.9	596.1	2.8	4.7	7.0	9.6
94.5°	1513.4	1079.1	457.9	2.8	4.8	7.1	9.7
95°	1085.7	630.7	323.6	2.7	4.9	7.3	9.7
95.5°	660.9	355.8	252.8	2.7	5.0	7.4	9.9
96°	258.1	305.6	204.1	2.6	5.1	7.5	10.0
96.5°	223.7	257.6	176.1	2.6	5.2	7.6	10.0
97°	216.1	209.9	164.8	2.6	5.3	7.8	10.2
97.5°	215.1	162.3	160.4	2.6	5.4	7.9	10.2
98°	218.1	160.0	151.8	2.6	5.5	8.0	10.3
98.5°	217.4	155.7	134.7	2.6	5.6	8.1	10.4
99°	212.9	148.0	120.8	2.6	5.7	8.2	10.5
99.5°	200.4	135.5	112.0	2.6	5.7	8.2	10.6
100°	183.7	123.4	105.8	2.6	5.8	8.3	10.7
100.5°	169.1	113.9	97.7	2.6	5.9	8.4	10.7
101°	162.0	104.7	77.8	2.6	6.0	8.5	10.8
101.5°	153.9	95.6	62.5	2.6	6.1	8.6	10.9
102°	142.2	87.7	50.6	2.6	6.1	8.7	10.9
102.5°	135.0	82.1	37.8	2.6	6.2	8.8	11.0
103°	133.1	78.5	32.6	2.6	6.3	8.9	11.1
103.5°	132.8	76.3	27.9	2.6	6.4	9.0	11.2
104°	130.9	75.4	24.1	2.6	6.4	9.2	11.2
104.5°	127.3	74.6	20.2	2.7	6.5	9.2	11.3
105°	123.0	73.3	16.4	2.7	6.6	9.3	11.4
105.5°	117.9	71.3	13.2	2.7	6.7	9.4	11.4
106°	112.5	68.9	10.9	2.8	6.7	9.5	11.5
106.5°	106.6	65.5	9.4	2.8	6.8	9.5	11.5
107°	100.2	61.1	8.5	2.9	6.8	9.6	11.5
107.5°	91.9	55.6	7.5	2.9	6.9	9.7	11.5
108°	80.3	48.2	6.7	2.9	7.0	9.7	11.6
108.5°	65.1	39.3	5.9	3.0	7.0	9.8	11.6
109°	51.6	31.2	5.1	3.0	7.1	9.9	11.6
109.5°	40.8	22.3	4.5	3.1	7.1	9.9	11.6
110°	33.3	14.5	4.0	3.1	7.2	10.0	11.7
110.5°	29.2	9.3	3.5	3.2	7.2	10.1	11.7
111°	25.9	7.1	3.1	3.2	7.3	10.1	11.7
111.5°	21.8	5.5	2.8	3.2	7.4	10.2	11.8
112°	18.2	4.0	2.5	3.3	7.4	10.2	11.8

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	15.1	2.8	2.2	3.3	7.5	10.3	11.8
113°	10.5	2.1	2.0	3.4	7.5	10.4	11.8
113.5°	5.6	1.6	1.8	3.5	7.6	10.4	11.8
114°	3.4	1.3	1.7	3.5	7.6	10.4	11.9
114.5°	2.8	1.2	1.6	3.5	7.7	10.5	11.9
115°	2.3	1.0	1.5	3.6	7.7	10.5	11.9
115.5°	1.8	1.0	1.4	3.7	7.8	10.6	11.9
116°	1.2	0.9	1.4	3.7	7.9	10.6	12.0
116.5°	1.1	0.9	1.3	3.8	7.9	10.7	12.0
117°	1.1	0.8	1.3	3.8	8.0	10.7	12.0
117.5°	1.0	0.8	1.3	3.9	8.0	10.8	12.0
118°	1.0	0.8	1.3	3.9	8.1	10.8	12.1
118.5°	1.0	0.7	1.3	4.0	8.1	10.9	12.1
119°	0.9	0.7	1.3	4.1	8.2	10.9	12.1
119.5°	0.9	0.7	1.3	4.1	8.2	11.0	12.1
120°	0.9	0.7	1.3	4.2	8.2	11.0	12.1
120.5°	0.9	0.7	1.3	4.2	8.3	11.0	12.1
121°	0.8	0.7	1.4	4.3	8.3	11.1	12.2
121.5°	0.8	0.7	1.4	4.3	8.4	11.1	12.2
122°	0.7	0.6	1.4	4.4	8.4	11.2	12.2
122.5°	0.7	0.6	1.5	4.5	8.5	11.2	12.2
123°	0.6	0.6	1.5	4.5	8.5	11.2	12.3
123.5°	0.6	0.6	1.6	4.6	8.5	11.3	12.3
124°	0.6	0.6	1.6	4.6	8.6	11.3	12.3
124.5°	0.6	0.6	1.7	4.7	8.6	11.3	12.3
125°	0.5	0.6	1.7	4.7	8.6	11.3	12.3
125.5°	0.5	0.6	1.8	4.8	8.7	11.3	12.3
126°	0.5	0.6	1.8	4.9	8.7	11.4	12.3
126.5°	0.5	0.6	1.9	4.9	8.7	11.4	12.3
127°	0.5	0.6	2.0	5.0	8.8	11.4	12.3
127.5°	0.5	0.6	2.0	5.1	8.8	11.4	12.3
128°	0.5	0.6	2.1	5.1	8.8	11.4	12.3
128.5°	0.5	0.5	2.1	5.1	8.9	11.4	12.3
129°	0.5	0.6	2.2	5.2	8.9	11.4	12.3
129.5°	0.5	0.6	2.3	5.3	8.9	11.4	12.3
130°	0.5	0.6	2.3	5.3	8.9	11.4	12.3
130.5°	0.5	0.6	2.4	5.4	9.0	11.4	12.3
131°	0.5	0.7	2.4	5.4	9.0	11.4	12.3
131.5°	0.6	0.7	2.5	5.5	9.0	11.4	12.3
132°	0.6	0.7	2.6	5.5	9.1	11.4	12.3
132.5°	0.6	0.8	2.6	5.6	9.1	11.4	12.3
133°	0.6	0.8	2.7	5.7	9.1	11.4	12.3
133.5°	0.7	0.9	2.8	5.7	9.1	11.4	12.3
134°	0.7	0.9	2.9	5.8	9.2	11.4	12.3
134.5°	0.7	0.9	2.9	5.8	9.2	11.4	12.3

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.7	1.0	3.0	5.9	9.2	11.5	12.3
135.5°	0.8	1.0	3.1	5.9	9.3	11.5	12.3
136°	0.8	1.1	3.1	6.0	9.3	11.5	12.3
136.5°	0.8	1.1	3.2	6.0	9.3	11.5	12.3
137°	0.9	1.2	3.2	6.1	9.4	11.5	12.3
137.5°	0.9	1.2	3.3	6.1	9.4	11.5	12.3
138°	0.9	1.2	3.3	6.2	9.4	11.5	12.3
138.5°	0.9	1.3	3.4	6.3	9.4	11.5	12.3
139°	1.0	1.4	3.5	6.3	9.5	11.5	12.3
139.5°	1.0	1.4	3.6	6.4	9.5	11.5	12.2
140°	1.0	1.5	3.6	6.4	9.5	11.5	12.2
140.5°	1.1	1.5	3.7	6.5	9.6	11.5	12.2
141°	1.1	1.6	3.8	6.5	9.6	11.5	12.1
141.5°	1.1	1.7	3.8	6.6	9.6	11.5	12.1
142°	1.2	1.7	3.9	6.6	9.6	11.5	12.1
142.5°	1.2	1.8	4.0	6.7	9.6	11.5	12.0
143°	1.2	1.9	4.0	6.8	9.7	11.5	12.0
143.5°	1.3	1.9	4.1	6.8	9.7	11.5	11.9
144°	1.3	2.0	4.2	6.8	9.7	11.5	11.9
144.5°	1.3	2.0	4.2	6.9	9.7	11.5	11.9
145°	1.4	2.1	4.3	6.9	9.7	11.5	11.8
145.5°	1.4	2.2	4.4	7.0	9.8	11.5	11.8
146°	1.4	2.2	4.4	7.0	9.8	11.4	11.7
146.5°	1.5	2.3	4.5	7.1	9.8	11.4	11.7
147°	1.5	2.4	4.6	7.1	9.8	11.4	11.6
147.5°	1.6	2.4	4.6	7.2	9.8	11.4	11.6
148°	1.6	2.5	4.7	7.2	9.8	11.4	11.6
148.5°	1.7	2.6	4.8	7.3	9.9	11.4	11.5
149°	1.7	2.6	4.9	7.3	9.9	11.4	11.5
149.5°	1.8	2.7	4.9	7.4	9.9	11.4	11.5
150°	1.9	2.8	5.0	7.4	9.9	11.4	11.4
150.5°	1.9	2.9	5.1	7.4	9.9	11.4	11.4
151°	2.0	3.0	5.1	7.5	10.0	11.4	11.3
151.5°	2.1	3.0	5.2	7.6	10.0	11.4	11.3
152°	2.1	3.1	5.3	7.6	10.0	11.4	11.2
152.5°	2.2	3.2	5.3	7.6	10.0	11.4	11.2
153°	2.3	3.3	5.4	7.7	10.1	11.4	11.1
153.5°	2.4	3.4	5.5	7.7	10.1	11.4	11.1
154°	2.4	3.4	5.6	7.8	10.1	11.4	11.0
154.5°	2.5	3.5	5.6	7.9	10.1	11.4	11.0
155°	2.6	3.6	5.7	7.9	10.1	11.3	11.0
155.5°	2.7	3.7	5.8	7.9	10.1	11.3	10.9
156°	2.8	3.8	5.8	8.0	10.1	11.3	10.8
156.5°	2.9	3.9	5.9	8.0	10.1	11.3	10.8
157°	2.9	4.0	6.0	8.1	10.1	11.3	10.8

REPORT NUMBER: P1197199

CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	3.0	4.1	6.1	8.1	10.1	11.2	10.7
158°	3.1	4.2	6.1	8.1	10.1	11.2	10.7
158.5°	3.1	4.3	6.2	8.2	10.1	11.2	10.6
159°	3.2	4.3	6.2	8.2	10.1	11.2	10.6
159.5°	3.3	4.4	6.3	8.2	10.1	11.1	10.5
160°	3.3	4.5	6.4	8.3	10.1	11.1	10.5
160.5°	3.4	4.6	6.4	8.3	10.1	11.1	10.4
161°	3.5	4.7	6.5	8.3	10.1	11.0	10.3
161.5°	3.6	4.8	6.6	8.4	10.1	11.0	10.3
162°	3.6	4.8	6.6	8.4	10.1	11.0	10.2
162.5°	3.7	4.9	6.7	8.5	10.1	10.9	10.1
163°	3.8	5.0	6.8	8.5	10.1	10.9	10.0
163.5°	3.9	5.1	6.8	8.5	10.1	10.8	9.9
164°	4.0	5.2	6.9	8.6	10.1	10.8	9.9
164.5°	4.0	5.2	7.0	8.6	10.1	10.8	9.8
165°	4.1	5.3	7.0	8.7	10.1	10.7	9.7
165.5°	4.2	5.4	7.1	8.7	10.1	10.7	9.7
166°	4.2	5.5	7.1	8.7	10.1	10.7	9.6
166.5°	4.3	5.5	7.2	8.8	10.1	10.6	9.5
167°	4.4	5.6	7.3	8.8	10.1	10.6	9.5
167.5°	4.5	5.7	7.3	8.8	10.1	10.6	9.4
168°	4.6	5.8	7.4	8.9	10.1	10.5	9.3
168.5°	4.6	5.8	7.5	8.9	10.1	10.5	9.2
169°	4.7	5.9	7.5	9.0	10.1	10.4	9.1
169.5°	4.8	6.0	7.6	9.0	10.0	10.4	9.1
170°	4.9	6.1	7.7	9.0	10.0	10.3	9.0
170.5°	5.0	6.2	7.7	9.0	10.0	10.3	8.9
171°	5.1	6.2	7.8	9.0	9.9	10.2	8.8
171.5°	5.1	6.3	7.8	9.1	9.9	10.2	8.7
172°	5.2	6.4	7.9	9.1	9.9	10.1	8.6
172.5°	5.3	6.5	8.0	9.1	9.9	10.0	8.5
173°	5.4	6.6	8.0	9.1	9.8	10.0	8.4
173.5°	5.5	6.6	8.1	9.1	9.8	9.9	8.2
174°	5.6	6.7	8.2	9.2	9.8	9.8	8.2
174.5°	5.7	6.8	8.2	9.2	9.7	9.8	8.0
175°	5.8	6.9	8.3	9.2	9.7	9.7	7.9
175.5°	5.9	7.0	8.3	9.2	9.7	9.7	7.8
176°	6.0	7.1	8.4	9.2	9.7	9.6	7.7
176.5°	6.1	7.2	8.4	9.2	9.6	9.5	7.6
177°	6.2	7.3	8.5	9.3	9.6	9.5	7.5
177.5°	6.3	7.4	8.6	9.3	9.6	9.4	7.4
178°	6.4	7.4	8.6	9.3	9.6	9.4	7.3
178.5°	6.5	7.6	8.7	9.3	9.5	9.3	7.2
179°	6.6	7.6	8.7	9.3	9.5	9.2	7.1
179.5°	6.7	7.7	8.8	9.3	9.5	9.1	6.9



REPORT NUMBER: P1197199
CATALOG NUMBER: AWPS75S-BZ-HIGH-4000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	6.8	6.8	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)