

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: P1197046

Luminaire Tested: AWP75S-BZ-HIGH-4000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197046
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 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 10024 (1 lamp)
Luminaire Lumens: 11197.2 lumens
Efficiency: 111.7%
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U2 - G2

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

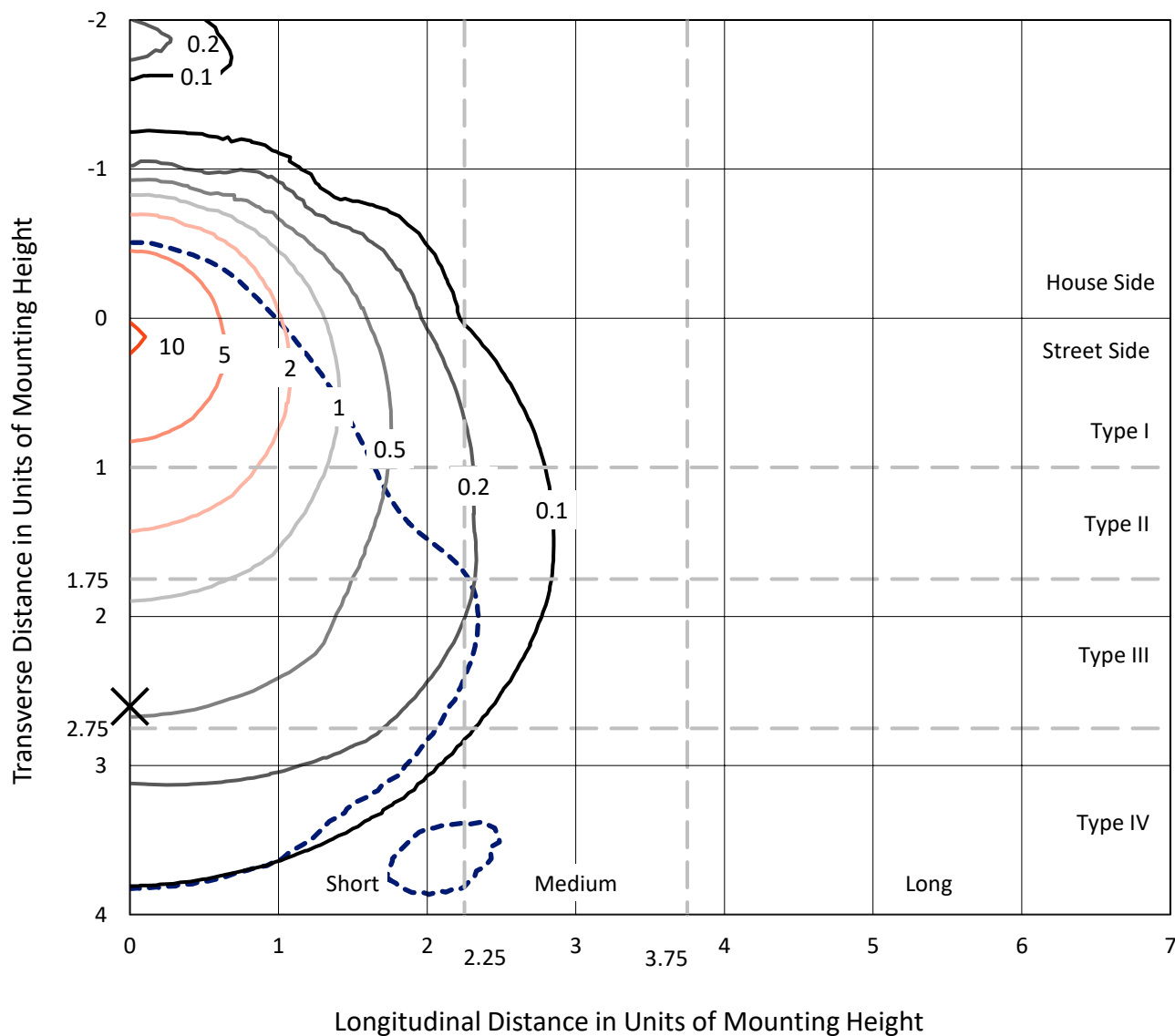
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

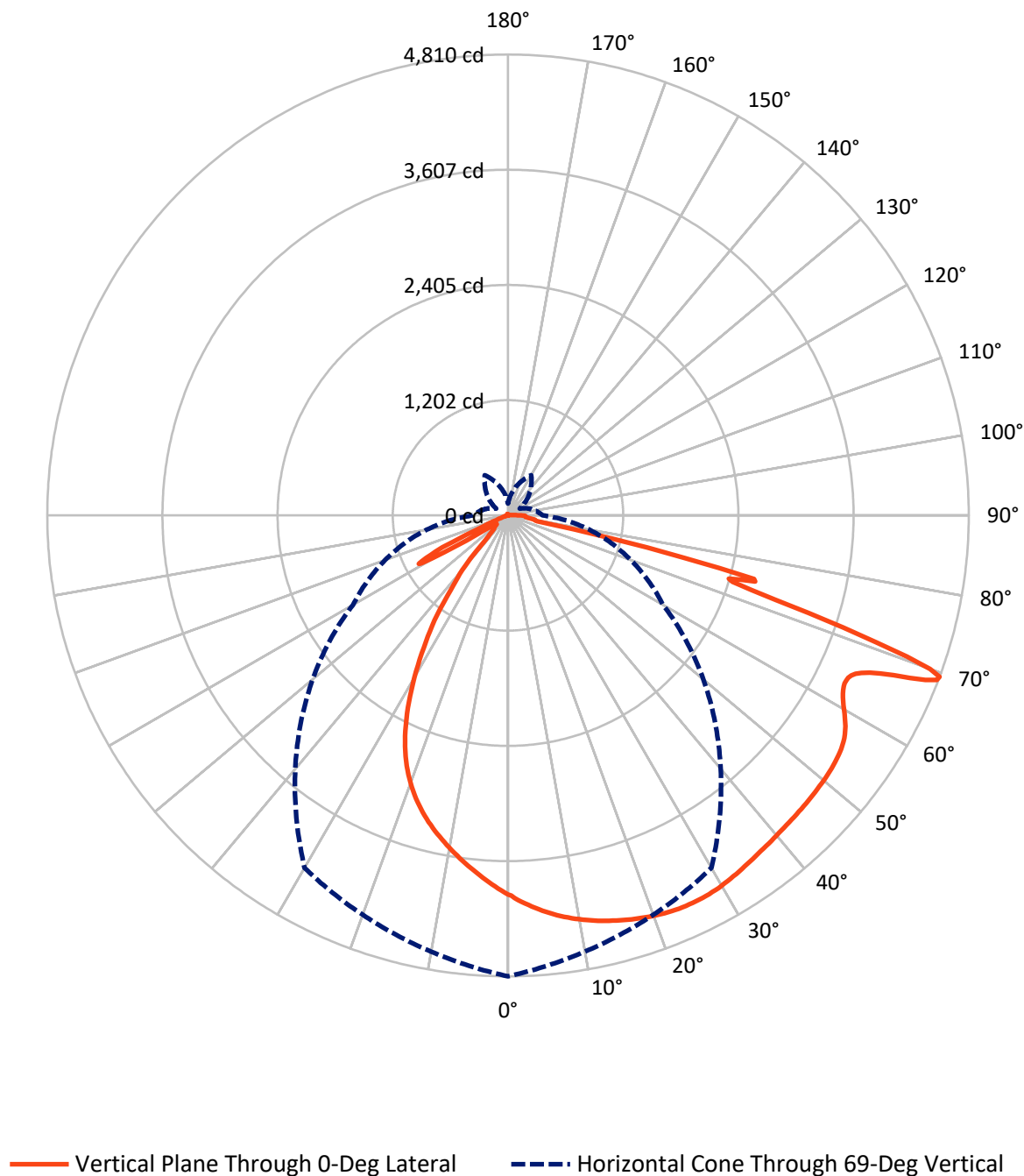


Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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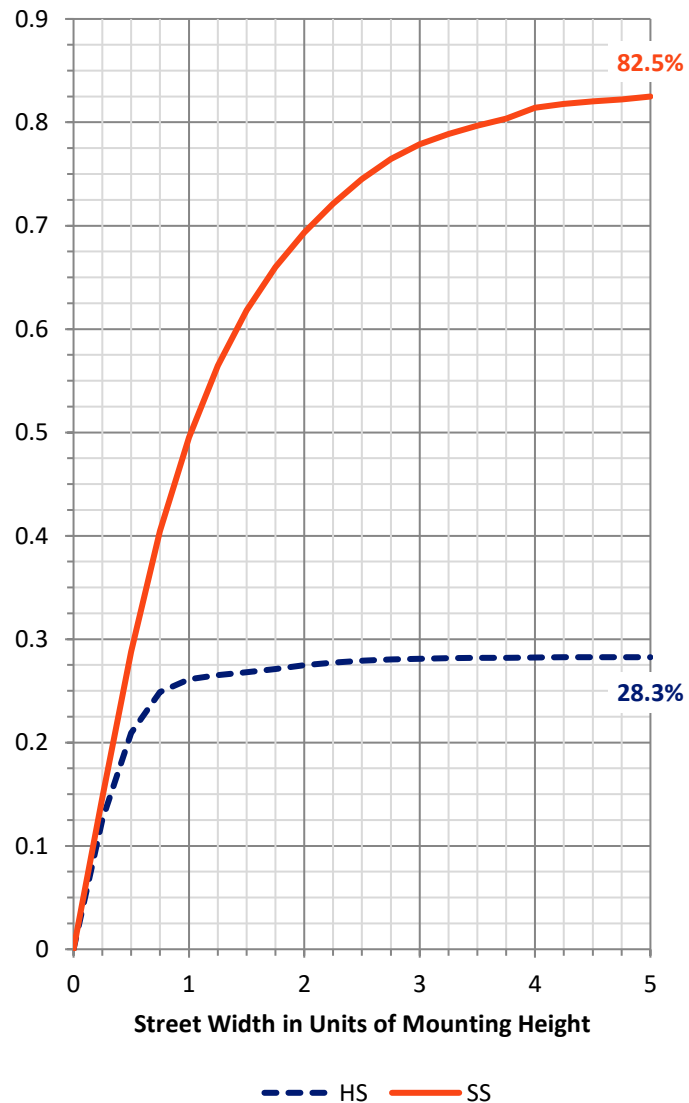
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2850.4	24.2	2874.6
	% Lamp	28.4	0.2	28.7
Street Side	Lumens	8291.3	31.3	8322.5
	% Lamp	82.7	0.3	83.0
Total	Lumens	11141.7	55.5	11197.2
	% Lamp	111.2	0.6	111.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	375.2	3.4	3.7
10°-20°	1074.6	9.6	10.7
20°-30°	1615.5	14.4	16.1
30°-40°	1859.2	16.6	18.5
40°-50°	1794.1	16.0	17.9
50°-60°	1661.4	14.8	16.6
60°-70°	1567.7	14.0	15.6
70°-80°	1002.4	9.0	10.0
80°-90°	191.7	1.7	1.9
90°-100°	23.2	0.2	0.2
100°-110°	3.5	0.0	0.0
110°-120°	4.4	0.0	0.0
120°-130°	5.2	0.0	0.1
130°-140°	5.5	0.0	0.1
140°-150°	5.3	0.0	0.1
150°-160°	4.4	0.0	0.0
160°-170°	3.0	0.0	0.0
170°-180°	1.1	0.0	0.0
0°-90°	11141.7	99.5	111.2
0°-180°	11197.2	100.0	111.7

Coefficient of Utilization



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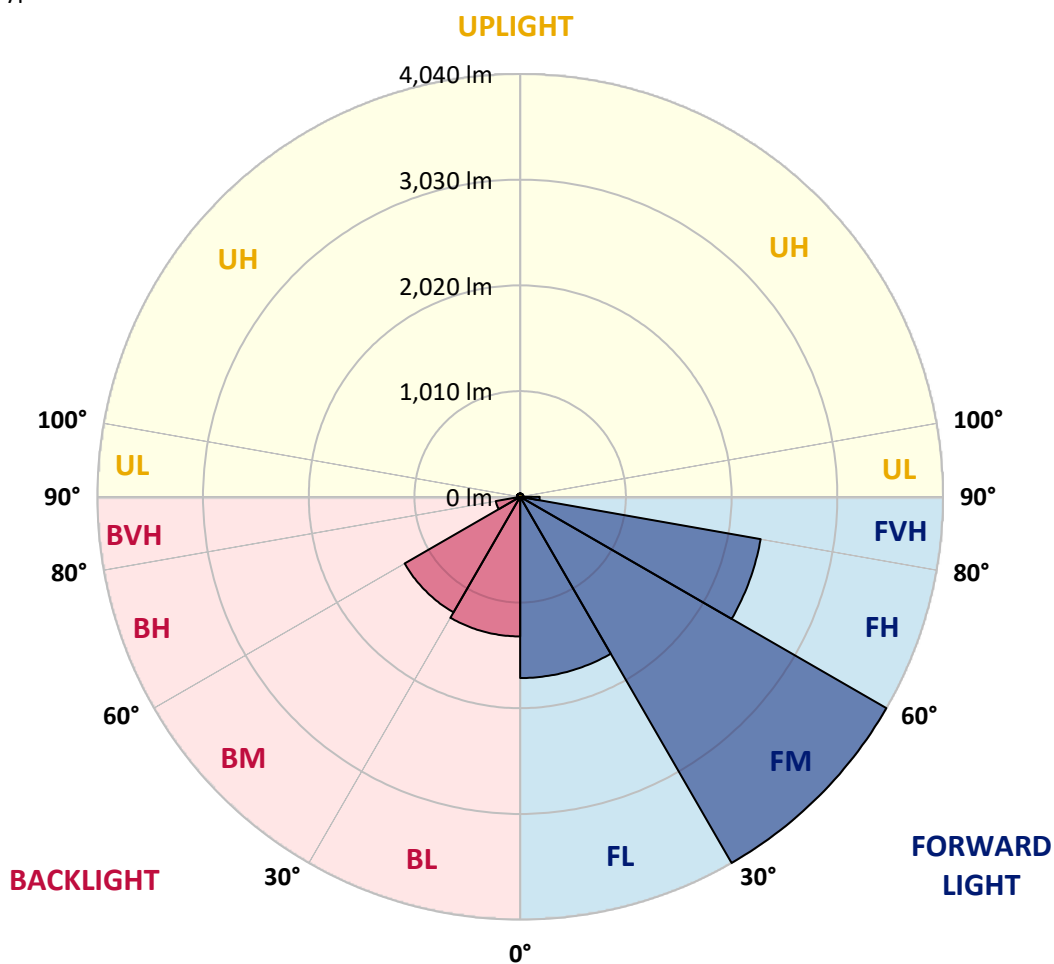
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1731.2	17.3			
FM	(30°-60°)	4040.1	40.3			
FH	(60°-80°)	2333.4	23.3			G2/5000
FVH	(80°-90°)	186.6	1.9			G2/225
BL	(0°-30°)	1334.1	13.3	B3/2500		
BM	(30°-60°)	1274.5	12.7	B2/2500		
BH	(60°-80°)	236.7	2.4	B1/500		G1/500
BVH	(80°-90°)	5.1	0.1			G0/10
UL	(90°-100°)	23.2	0.2		U2/50	
UH	(100°-180°)	32.3	0.3		U2/50	
Trapped Light		-1173.2	-11.7			

BUG Rating: B3-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3966.4	3966.4	3966.4	3966.4	3966.4	3966.4	3966.4
0.5°	3995.5	3995.1	3980.9	3964.9	3948.8	3931.3	3955.8
1°	4014.9	4011.4	3990.1	3964.2	3938.2	3913.7	3934.5
1.5°	4033.3	4027.4	3998.5	3962.8	3927.5	3895.3	3914.8
2°	4051.9	4042.6	4006.5	3961.3	3916.1	3877.6	3894.5
2.5°	4069.9	4057.9	4014.8	3959.4	3905.2	3858.9	3873.6
3°	4087.6	4073.7	4022.4	3956.9	3893.5	3840.5	3852.8
3.5°	4106.2	4087.7	4029.3	3954.5	3881.6	3821.9	3831.3
4°	4123.3	4101.8	4036.2	3951.6	3869.3	3802.6	3809.8
4.5°	4140.1	4115.8	4042.7	3948.6	3857.1	3783.3	3787.9
5°	4156.7	4129.7	4049.8	3944.7	3843.1	3763.5	3766.5
5.5°	4172.7	4142.7	4055.6	3940.4	3829.5	3744.9	3744.3
6°	4188.1	4155.3	4060.0	3935.5	3815.7	3725.5	3721.7
6.5°	4202.4	4167.1	4065.0	3929.7	3800.9	3704.2	3700.2
7°	4216.4	4178.6	4070.1	3924.1	3785.0	3684.7	3679.4
7.5°	4230.0	4189.5	4074.2	3917.5	3769.8	3664.0	3656.6
8°	4243.0	4200.0	4077.5	3910.5	3753.5	3644.2	3634.6
8.5°	4255.4	4209.1	4080.4	3903.5	3738.3	3623.5	3611.7
9°	4267.2	4218.9	4083.1	3896.0	3721.7	3602.6	3588.6
9.5°	4279.2	4228.9	4085.8	3887.7	3704.5	3581.4	3566.7
10°	4289.7	4237.1	4087.9	3879.1	3687.4	3560.4	3544.2
10.5°	4301.3	4245.8	4090.3	3870.4	3670.1	3539.2	3521.2
11°	4311.8	4253.3	4091.8	3860.8	3651.2	3516.3	3498.2
11.5°	4322.4	4260.3	4092.9	3852.1	3633.3	3494.0	3475.1
12°	4332.4	4267.6	4094.5	3842.5	3615.7	3472.4	3452.3
12.5°	4342.0	4273.9	4094.3	3832.3	3597.1	3450.6	3428.7
13°	4349.8	4280.1	4094.7	3822.6	3578.5	3426.9	3404.5
13.5°	4359.1	4286.5	4094.9	3812.3	3560.1	3403.6	3379.9
14°	4367.6	4291.9	4093.5	3802.2	3539.9	3380.5	3355.4
14.5°	4375.3	4296.5	4091.6	3790.5	3520.7	3356.6	3329.3
15°	4384.6	4301.9	4089.8	3779.6	3500.9	3332.4	3304.3
15.5°	4392.6	4306.9	4087.4	3767.7	3480.8	3308.2	3277.4
16°	4400.3	4311.5	4085.2	3754.8	3459.7	3282.4	3251.2
16.5°	4408.1	4315.3	4083.4	3742.4	3438.4	3256.6	3224.0
17°	4415.1	4319.1	4080.5	3729.2	3418.2	3231.1	3195.4
17.5°	4421.7	4323.6	4077.0	3715.4	3396.6	3204.0	3166.5
18°	4428.4	4326.9	4074.1	3701.6	3374.1	3178.0	3137.7
18.5°	4434.6	4330.0	4070.1	3687.6	3352.9	3150.8	3106.3
19°	4441.5	4333.0	4064.6	3672.9	3329.8	3122.5	3075.5
19.5°	4446.8	4335.7	4060.1	3657.8	3307.2	3093.3	3042.5
20°	4452.0	4338.0	4055.5	3642.2	3285.7	3063.6	3007.9
20.5°	4456.7	4340.3	4049.8	3626.1	3262.1	3034.5	2973.0
21°	4461.0	4342.1	4044.9	3610.1	3238.4	3003.0	2935.9
21.5°	4466.1	4343.2	4039.5	3593.4	3214.8	2970.7	2898.9
22°	4469.6	4344.9	4032.7	3577.0	3190.5	2936.6	2859.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	4472.5	4346.4	4026.0	3560.3	3165.9	2902.0	2819.1
23°	4474.6	4347.4	4019.9	3542.8	3140.9	2866.5	2777.4
23.5°	4476.5	4347.4	4012.9	3524.6	3116.7	2828.9	2732.3
24°	4477.6	4347.2	4005.6	3506.1	3090.4	2790.6	2686.7
24.5°	4478.6	4347.3	3998.3	3486.9	3064.4	2750.8	2639.3
25°	4479.5	4345.5	3990.5	3467.8	3038.7	2710.5	2589.6
25.5°	4480.3	4344.2	3982.0	3448.6	3011.1	2668.6	2539.4
26°	4479.6	4341.9	3973.4	3428.4	2983.4	2623.7	2487.5
26.5°	4478.4	4339.2	3964.2	3407.9	2956.4	2577.8	2431.7
27°	4477.0	4336.0	3955.1	3387.1	2927.3	2531.7	2377.0
27.5°	4475.0	4332.7	3945.2	3366.4	2898.2	2483.6	2320.5
28°	4472.3	4328.0	3934.7	3344.7	2869.3	2434.6	2262.0
28.5°	4469.2	4324.0	3924.6	3322.3	2838.5	2382.0	2202.3
29°	4465.6	4318.6	3913.9	3300.5	2807.7	2328.3	2142.9
29.5°	4461.3	4312.9	3903.3	3277.4	2776.2	2274.9	2079.9
30°	4456.3	4306.5	3892.2	3253.9	2743.7	2220.8	2017.8
30.5°	4452.0	4301.1	3880.3	3231.2	2711.4	2163.1	1954.3
31°	4447.0	4294.7	3868.5	3206.7	2678.4	2106.1	1891.4
31.5°	4441.3	4286.4	3856.0	3181.3	2643.3	2047.9	1826.4
32°	4435.2	4279.0	3843.4	3155.9	2608.0	1986.7	1763.9
32.5°	4429.6	4270.0	3829.5	3130.4	2572.3	1925.3	1701.0
33°	4424.0	4261.3	3814.6	3103.5	2534.4	1865.0	1637.2
33.5°	4417.7	4253.0	3800.3	3077.6	2495.5	1803.6	1575.7
34°	4412.2	4243.1	3786.0	3050.6	2457.8	1742.0	1514.9
34.5°	4406.3	4233.4	3770.2	3023.3	2417.2	1681.4	1455.2
35°	4400.7	4224.1	3754.4	2995.3	2375.2	1619.2	1394.6
35.5°	4395.5	4213.5	3738.1	2967.4	2333.5	1557.2	1335.9
36°	4390.1	4203.3	3721.6	2938.1	2290.9	1497.0	1277.9
36.5°	4385.3	4193.8	3704.1	2909.2	2245.2	1437.5	1205.4
37°	4381.4	4183.8	3687.0	2879.2	2199.8	1377.7	1123.2
37.5°	4377.1	4174.3	3669.9	2849.5	2154.1	1321.7	1050.2
38°	4373.0	4164.1	3651.9	2818.9	2105.2	1264.8	986.6
38.5°	4368.7	4153.8	3633.1	2788.5	2056.5	1208.7	929.2
39°	4364.5	4143.6	3614.7	2756.2	2007.3	1154.3	879.6
39.5°	4360.2	4133.9	3595.8	2725.7	1955.7	1103.4	835.3
40°	4357.0	4124.5	3576.2	2692.8	1901.9	1047.3	793.4
40.5°	4354.5	4114.7	3557.2	2660.2	1850.9	981.8	744.2
41°	4350.2	4105.9	3537.1	2628.0	1797.7	911.7	678.6
41.5°	4347.1	4096.1	3516.9	2594.8	1742.1	847.6	596.8
42°	4344.9	4087.4	3496.4	2559.9	1687.2	793.1	502.4
42.5°	4341.8	4078.0	3475.5	2526.0	1632.7	747.2	415.6
43°	4339.0	4068.6	3454.4	2490.9	1578.2	704.3	347.1
43.5°	4336.4	4059.6	3432.9	2457.1	1526.6	656.7	299.6
44°	4333.1	4051.0	3410.9	2421.5	1473.0	600.7	279.3
44.5°	4330.7	4042.7	3389.0	2386.6	1419.6	529.7	260.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4328.6	4034.4	3367.1	2351.2	1366.5	449.7	241.5
45.5°	4326.7	4025.9	3344.4	2315.3	1314.4	373.7	222.6
46°	4323.8	4017.7	3321.8	2279.7	1260.2	309.3	212.4
46.5°	4321.3	4009.8	3299.7	2243.8	1208.9	287.6	205.5
47°	4318.2	4000.7	3277.4	2205.0	1156.6	266.2	200.9
47.5°	4314.3	3992.1	3253.7	2168.6	1097.8	244.8	197.8
48°	4311.0	3983.7	3230.6	2131.6	1042.3	223.3	195.5
48.5°	4307.9	3975.6	3206.0	2092.8	989.4	216.0	193.5
49°	4304.8	3967.5	3181.6	2054.2	938.7	210.9	191.4
49.5°	4302.4	3961.0	3157.4	2015.9	892.4	206.8	187.9
50°	4298.7	3953.5	3133.1	1975.5	848.6	203.4	182.4
50.5°	4295.6	3947.3	3108.5	1937.5	805.1	200.5	174.9
51°	4290.7	3940.7	3082.3	1899.3	761.6	198.2	167.1
51.5°	4286.5	3933.7	3055.9	1859.7	721.0	196.7	160.9
52°	4281.4	3926.5	3029.6	1818.6	666.6	195.8	153.0
52.5°	4276.3	3920.2	3003.2	1778.9	612.1	195.2	149.4
53°	4269.9	3913.1	2975.5	1736.0	557.7	194.6	148.9
53.5°	4262.6	3906.6	2948.0	1695.2	503.2	193.8	149.5
54°	4255.1	3901.3	2919.4	1652.4	449.0	192.3	150.8
54.5°	4245.9	3895.6	2889.6	1610.2	401.5	190.0	153.5
55°	4236.5	3890.0	2858.6	1567.8	362.5	188.0	159.2
55.5°	4224.1	3886.1	2827.0	1524.3	332.1	186.0	172.5
56°	4210.8	3879.9	2794.8	1481.7	307.4	181.0	193.0
56.5°	4194.5	3873.2	2764.8	1440.0	284.6	178.5	207.1
57°	4174.6	3866.7	2729.7	1397.1	264.3	177.1	214.0
57.5°	4152.7	3860.5	2695.0	1354.2	249.8	175.4	224.2
58°	4128.5	3852.1	2660.0	1310.4	240.1	172.4	249.2
58.5°	4103.9	3844.2	2624.9	1266.5	232.5	167.3	297.8
59°	4078.0	3835.2	2586.0	1218.7	226.7	159.5	378.1
59.5°	4050.9	3824.4	2551.0	1173.2	222.0	152.9	507.4
60°	4025.4	3813.6	2515.3	1128.3	217.2	145.7	638.8
60.5°	4000.3	3801.5	2479.6	1080.4	212.0	137.0	770.2
61°	3978.6	3790.0	2445.2	1032.9	206.5	128.8	901.7
61.5°	3960.1	3777.6	2408.9	985.8	200.9	122.3	1033.2
62°	3944.2	3766.4	2368.3	937.8	195.7	116.8	1060.6
62.5°	3933.1	3753.9	2328.3	887.7	191.0	111.6	1026.1
63°	3927.7	3742.2	2287.5	840.7	186.4	108.9	964.3
63.5°	3927.8	3730.7	2247.5	792.4	181.9	108.9	904.3
64°	3934.9	3718.6	2209.7	741.5	177.6	111.8	843.3
64.5°	3953.6	3706.4	2173.6	690.8	173.5	118.6	762.2
65°	3985.5	3699.8	2137.9	641.1	169.4	132.2	634.0
65.5°	4038.4	3705.8	2103.2	590.8	165.7	164.1	485.8
66°	4117.7	3728.8	2068.7	545.8	162.6	217.4	363.4
66.5°	4221.5	3765.8	2035.0	507.7	159.4	279.9	271.5
67°	4358.2	3827.2	2001.8	477.5	156.3	344.2	235.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4524.8	3912.3	1969.9	453.7	153.0	408.3	202.9
68°	4683.5	4016.3	1936.4	426.1	149.7	465.1	169.9
68.5°	4794.2	4124.5	1902.2	390.3	145.8	490.6	136.5
69°	4809.7	4247.2	1868.5	361.2	140.9	483.9	122.8
69.5°	4687.5	4355.7	1832.5	339.7	134.7	466.8	111.9
70°	4419.2	4409.6	1798.2	326.5	128.0	444.1	101.5
70.5°	4066.5	4380.2	1765.7	316.4	121.4	421.2	91.6
71°	3688.8	4259.3	1733.5	305.9	114.8	395.4	82.7
71.5°	3296.3	4038.8	1702.7	295.4	108.6	367.7	74.9
72°	2932.0	3732.1	1674.9	284.9	103.2	340.3	67.7
72.5°	2656.0	3385.1	1648.8	274.4	97.2	312.6	61.1
73°	2442.7	3056.5	1623.5	263.1	89.8	285.9	54.9
73.5°	2398.3	2754.6	1600.9	251.8	82.3	258.5	48.8
74°	2508.3	2503.3	1581.2	240.8	76.4	231.8	43.1
74.5°	2670.9	2296.5	1565.0	229.7	71.0	203.2	37.8
75°	2652.3	2218.8	1552.4	218.0	65.4	173.5	32.7
75.5°	2273.3	2284.1	1543.6	205.6	60.6	142.3	27.5
76°	1884.4	2452.8	1545.3	192.2	56.5	112.8	22.9
76.5°	1494.8	2586.9	1562.1	176.8	53.0	88.8	18.5
77°	1102.6	2553.0	1594.3	160.0	49.6	70.9	15.4
77.5°	706.0	2276.1	1635.7	142.9	45.2	45.9	14.0
78°	310.1	1792.8	1679.9	126.0	40.0	17.7	12.6
78.5°	294.1	1240.7	1719.5	111.1	35.2	6.9	11.3
79°	288.1	774.2	1736.6	97.2	31.4	5.0	10.1
79.5°	288.0	473.4	1736.2	85.8	27.1	4.7	9.1
80°	284.9	314.2	1716.7	76.3	22.5	4.8	8.3
80.5°	281.0	288.2	1673.4	68.6	18.5	5.0	7.7
81°	265.7	268.0	1601.8	61.6	15.6	5.2	7.2
81.5°	244.4	247.5	1508.8	55.4	13.1	5.4	6.7
82°	224.4	226.5	1387.5	49.6	10.8	5.5	6.2
82.5°	214.2	220.1	1241.9	44.5	8.8	5.5	5.7
83°	205.6	211.2	1089.1	39.8	6.8	5.5	5.4
83.5°	193.8	195.7	935.2	35.4	5.1	5.5	5.1
84°	185.6	177.2	825.9	31.4	3.8	5.4	4.9
84.5°	184.1	161.9	716.7	27.7	2.9	5.4	4.7
85°	185.1	148.5	607.4	24.3	2.8	5.4	4.6
85.5°	185.7	135.9	498.1	21.2	2.7	5.3	4.6
86°	185.0	123.7	390.1	18.3	2.6	5.2	4.5
86.5°	183.8	114.7	321.6	15.7	2.5	5.1	4.5
87°	182.4	109.2	266.5	13.3	2.5	4.9	4.5
87.5°	180.1	106.4	225.9	11.2	2.4	4.7	4.4
88°	175.7	106.1	199.5	9.2	2.3	4.5	4.4
88.5°	167.4	107.5	184.2	7.2	2.3	4.3	4.4
89°	153.8	109.4	172.3	5.6	2.2	4.1	4.4
89.5°	135.6	111.6	160.0	4.3	2.2	3.9	4.4

REPORT NUMBER: P1197046

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	116.3	112.7	146.0	3.2	2.2	3.7	4.4
90.5°	98.4	112.1	132.7	2.8	2.2	3.6	4.5
91°	83.7	109.6	116.7	2.7	2.2	3.4	4.6
91.5°	72.7	105.2	100.5	2.6	2.2	3.3	4.7
92°	65.5	99.3	90.7	2.5	2.1	3.2	4.8
92.5°	61.1	92.4	81.9	2.4	2.1	3.2	4.9
93°	57.7	84.6	69.7	2.3	2.2	3.2	5.0
93.5°	55.0	74.8	54.1	2.3	2.2	3.2	5.1
94°	53.6	63.0	40.8	2.2	2.2	3.2	5.2
94.5°	52.2	51.2	27.4	2.1	2.2	3.2	5.3
95°	49.9	39.9	20.9	2.1	2.3	3.2	5.3
95.5°	46.1	30.0	16.1	2.1	2.3	3.3	5.4
96°	41.2	21.2	12.2	2.0	2.4	3.3	5.5
96.5°	35.9	13.5	11.1	2.0	2.4	3.3	5.7
97°	30.6	7.9	10.1	2.0	2.5	3.4	5.8
97.5°	23.6	4.0	9.2	2.0	2.5	3.5	5.9
98°	15.9	2.6	8.3	2.0	2.6	3.6	6.1
98.5°	7.8	1.9	7.4	2.0	2.7	3.7	6.2
99°	2.8	1.6	6.6	2.0	2.8	3.8	6.4
99.5°	2.2	1.4	5.8	2.0	2.9	3.9	6.5
100°	1.7	1.3	5.1	2.0	2.9	4.0	6.6
100.5°	1.5	1.2	4.5	2.1	3.1	4.1	6.7
101°	1.5	1.2	4.1	2.1	3.2	4.2	6.9
101.5°	1.5	1.1	3.6	2.2	3.2	4.3	7.0
102°	1.4	1.1	3.2	2.2	3.3	4.5	7.1
102.5°	1.4	1.1	3.0	2.3	3.5	4.6	7.3
103°	1.3	1.0	2.7	2.3	3.6	4.7	7.4
103.5°	1.2	1.0	2.4	2.4	3.7	4.9	7.6
104°	1.1	1.0	2.2	2.5	3.8	5.0	7.7
104.5°	1.0	1.0	2.0	2.6	3.9	5.1	7.8
105°	1.0	1.0	1.9	2.6	4.0	5.3	8.0
105.5°	0.9	1.0	1.7	2.7	4.2	5.4	8.1
106°	0.9	1.0	1.6	2.8	4.3	5.5	8.2
106.5°	0.9	1.0	1.5	2.8	4.4	5.7	8.3
107°	0.8	1.0	1.4	2.9	4.5	5.8	8.5
107.5°	0.8	0.9	1.3	3.0	4.7	5.9	8.6
108°	0.7	0.9	1.3	3.0	4.8	6.1	8.7
108.5°	0.7	0.8	1.3	3.1	4.9	6.2	8.8
109°	0.7	0.8	1.3	3.2	5.0	6.3	9.0
109.5°	0.7	0.8	1.3	3.3	5.1	6.5	9.1
110°	0.7	0.7	1.3	3.3	5.3	6.6	9.2
110.5°	0.7	0.7	1.3	3.4	5.4	6.7	9.3
111°	0.7	0.7	1.3	3.5	5.5	6.8	9.4
111.5°	0.7	0.7	1.3	3.6	5.6	7.0	9.5
112°	0.7	0.7	1.4	3.7	5.8	7.1	9.6

REPORT NUMBER: P1197046

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.6	0.7	1.4	3.8	5.9	7.2	9.7
113°	0.7	0.7	1.4	3.8	6.0	7.4	9.8
113.5°	0.7	0.7	1.5	3.9	6.1	7.5	9.9
114°	0.7	0.7	1.5	4.0	6.3	7.6	10.0
114.5°	0.7	0.7	1.6	4.1	6.4	7.7	10.1
115°	0.7	0.7	1.7	4.1	6.5	7.9	10.2
115.5°	0.7	0.7	1.7	4.2	6.6	8.0	10.3
116°	0.7	0.7	1.8	4.3	6.8	8.1	10.4
116.5°	0.7	0.8	1.8	4.4	6.9	8.2	10.5
117°	0.8	0.8	1.9	4.4	7.0	8.4	10.6
117.5°	0.8	0.9	2.0	4.5	7.1	8.5	10.7
118°	0.8	0.9	2.0	4.6	7.3	8.6	10.7
118.5°	0.8	0.9	2.1	4.6	7.4	8.7	10.8
119°	0.9	1.0	2.2	4.7	7.5	8.8	10.8
119.5°	0.9	1.0	2.3	4.7	7.6	9.0	10.9
120°	0.9	1.1	2.3	4.8	7.7	9.0	11.0
120.5°	1.0	1.1	2.4	4.9	7.8	9.1	11.0
121°	1.0	1.2	2.5	5.0	7.9	9.2	11.1
121.5°	1.0	1.2	2.6	5.0	8.0	9.3	11.2
122°	1.1	1.3	2.6	5.1	8.1	9.4	11.3
122.5°	1.1	1.3	2.7	5.1	8.2	9.5	11.3
123°	1.1	1.4	2.8	5.2	8.3	9.6	11.4
123.5°	1.2	1.4	2.9	5.3	8.3	9.6	11.4
124°	1.2	1.5	2.9	5.4	8.5	9.7	11.4
124.5°	1.2	1.5	3.0	5.4	8.5	9.8	11.4
125°	1.3	1.6	3.1	5.5	8.6	9.9	11.5
125.5°	1.3	1.7	3.2	5.6	8.7	9.9	11.5
126°	1.4	1.7	3.2	5.7	8.8	10.0	11.5
126.5°	1.4	1.8	3.3	5.7	8.9	10.1	11.5
127°	1.5	1.9	3.4	5.8	9.0	10.1	11.5
127.5°	1.5	1.9	3.4	5.9	9.0	10.2	11.5
128°	1.6	2.0	3.5	6.0	9.1	10.3	11.6
128.5°	1.6	2.1	3.6	6.1	9.2	10.3	11.6
129°	1.7	2.1	3.7	6.1	9.2	10.4	11.6
129.5°	1.7	2.2	3.8	6.2	9.3	10.5	11.6
130°	1.8	2.3	3.9	6.3	9.3	10.5	11.6
130.5°	1.8	2.3	3.9	6.4	9.4	10.6	11.7
131°	1.9	2.4	4.0	6.4	9.4	10.7	11.6
131.5°	1.9	2.5	4.1	6.5	9.5	10.7	11.7
132°	2.0	2.5	4.2	6.6	9.6	10.8	11.7
132.5°	2.0	2.6	4.3	6.7	9.6	10.9	11.8
133°	2.1	2.7	4.4	6.8	9.7	10.9	11.8
133.5°	2.2	2.8	4.4	6.8	9.7	11.0	11.8
134°	2.2	2.8	4.5	6.9	9.8	11.0	11.9
134.5°	2.3	2.9	4.6	7.0	9.8	11.1	12.0

REPORT NUMBER: P1197046

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	2.4	3.0	4.7	7.1	9.9	11.2	12.0
135.5°	2.4	3.0	4.8	7.1	9.9	11.3	12.0
136°	2.5	3.1	4.9	7.2	10.0	11.3	12.1
136.5°	2.6	3.2	4.9	7.3	10.0	11.4	12.2
137°	2.6	3.3	5.0	7.4	10.1	11.4	12.3
137.5°	2.7	3.4	5.1	7.5	10.1	11.5	12.3
138°	2.8	3.5	5.2	7.5	10.2	11.5	12.4
138.5°	2.9	3.6	5.3	7.6	10.2	11.6	12.4
139°	2.9	3.6	5.4	7.7	10.3	11.6	12.4
139.5°	3.0	3.7	5.5	7.7	10.3	11.7	12.5
140°	3.1	3.8	5.5	7.8	10.3	11.7	12.5
140.5°	3.2	3.9	5.6	7.9	10.4	11.7	12.5
141°	3.2	4.1	5.7	8.0	10.4	11.7	12.5
141.5°	3.3	4.1	5.8	8.1	10.4	11.8	12.5
142°	3.4	4.2	5.9	8.1	10.5	11.8	12.5
142.5°	3.5	4.3	6.0	8.2	10.5	11.8	12.5
143°	3.6	4.4	6.1	8.2	10.5	11.8	12.5
143.5°	3.7	4.5	6.2	8.3	10.6	11.8	12.5
144°	3.7	4.6	6.2	8.4	10.6	11.8	12.5
144.5°	3.8	4.7	6.3	8.4	10.7	11.8	12.5
145°	3.9	4.8	6.4	8.5	10.7	11.8	12.5
145.5°	4.0	4.9	6.5	8.5	10.7	11.8	12.5
146°	4.1	5.0	6.6	8.6	10.7	11.8	12.5
146.5°	4.2	5.0	6.7	8.7	10.8	11.8	12.5
147°	4.2	5.1	6.8	8.7	10.8	11.8	12.5
147.5°	4.3	5.2	6.8	8.8	10.8	11.8	12.5
148°	4.4	5.3	6.9	8.9	10.9	11.8	12.5
148.5°	4.5	5.4	7.0	8.9	10.9	11.8	12.5
149°	4.6	5.5	7.1	9.0	11.0	11.8	12.5
149.5°	4.7	5.5	7.2	9.1	11.0	11.9	12.5
150°	4.7	5.6	7.2	9.1	11.0	11.9	12.5
150.5°	4.8	5.7	7.3	9.2	11.1	11.9	12.5
151°	4.9	5.8	7.4	9.3	11.1	12.0	12.5
151.5°	5.0	5.9	7.5	9.4	11.2	12.0	12.5
152°	5.1	6.0	7.6	9.5	11.2	12.0	12.5
152.5°	5.2	6.1	7.7	9.5	11.3	12.0	12.4
153°	5.3	6.2	7.8	9.6	11.3	12.0	12.4
153.5°	5.3	6.3	7.9	9.7	11.4	12.1	12.4
154°	5.4	6.3	8.0	9.8	11.4	12.1	12.4
154.5°	5.5	6.4	8.0	9.8	11.5	12.1	12.4
155°	5.6	6.5	8.1	9.9	11.5	12.1	12.4
155.5°	5.7	6.6	8.2	9.9	11.5	12.1	12.4
156°	5.8	6.7	8.3	10.0	11.6	12.1	12.3
156.5°	5.9	6.8	8.4	10.1	11.6	12.2	12.3
157°	6.0	6.9	8.5	10.1	11.6	12.2	12.3

REPORT NUMBER: P1197046

CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	6.1	6.9	8.5	10.2	11.6	12.2	12.3
158°	6.2	7.0	8.6	10.2	11.7	12.2	12.3
158.5°	6.3	7.1	8.7	10.3	11.7	12.2	12.3
159°	6.4	7.2	8.8	10.3	11.7	12.2	12.3
159.5°	6.5	7.3	8.9	10.4	11.8	12.2	12.3
160°	6.6	7.4	8.9	10.5	11.8	12.2	12.3
160.5°	6.7	7.5	9.0	10.5	11.8	12.2	12.3
161°	6.8	7.6	9.1	10.6	11.8	12.2	12.3
161.5°	6.9	7.7	9.2	10.6	11.9	12.2	12.3
162°	7.0	7.8	9.3	10.7	11.9	12.2	12.3
162.5°	7.1	7.9	9.4	10.7	11.9	12.2	12.2
163°	7.2	8.0	9.4	10.7	11.9	12.2	12.2
163.5°	7.3	8.1	9.5	10.8	11.9	12.2	12.1
164°	7.4	8.2	9.6	10.9	11.9	12.2	12.1
164.5°	7.5	8.3	9.7	10.9	12.0	12.2	12.1
165°	7.6	8.4	9.8	11.0	12.0	12.2	12.1
165.5°	7.8	8.5	9.9	11.0	12.0	12.2	12.0
166°	7.9	8.6	9.9	11.1	12.1	12.3	12.0
166.5°	8.0	8.7	10.0	11.1	12.1	12.3	12.0
167°	8.1	8.8	10.1	11.2	12.1	12.3	12.0
167.5°	8.2	8.9	10.2	11.2	12.1	12.3	12.0
168°	8.3	9.0	10.3	11.3	12.1	12.3	12.0
168.5°	8.5	9.1	10.4	11.3	12.1	12.3	12.0
169°	8.6	9.3	10.4	11.4	12.1	12.3	11.9
169.5°	8.7	9.4	10.5	11.4	12.1	12.3	11.9
170°	8.9	9.5	10.6	11.5	12.1	12.3	11.9
170.5°	9.0	9.6	10.7	11.5	12.1	12.3	11.8
171°	9.1	9.7	10.7	11.5	12.1	12.3	11.8
171.5°	9.2	9.8	10.8	11.5	12.1	12.3	11.7
172°	9.3	9.8	10.8	11.6	12.1	12.2	11.7
172.5°	9.4	9.9	10.9	11.6	12.1	12.2	11.6
173°	9.4	10.0	10.9	11.6	12.1	12.2	11.6
173.5°	9.6	10.1	11.0	11.6	12.1	12.2	11.5
174°	9.7	10.2	11.1	11.7	12.1	12.2	11.5
174.5°	9.7	10.3	11.1	11.7	12.1	12.2	11.4
175°	9.8	10.4	11.2	11.7	12.0	12.2	11.3
175.5°	9.9	10.5	11.3	11.7	12.0	12.1	11.3
176°	10.0	10.5	11.3	11.7	12.0	12.1	11.2
176.5°	10.1	10.6	11.4	11.7	12.0	12.1	11.2
177°	10.2	10.7	11.4	11.8	12.0	12.0	11.1
177.5°	10.3	10.8	11.5	11.8	12.0	12.0	11.0
178°	10.4	10.9	11.5	11.8	12.0	12.0	11.0
178.5°	10.4	10.9	11.6	11.8	12.0	11.9	10.9
179°	10.5	11.0	11.6	11.8	12.0	11.9	10.8
179.5°	10.6	11.1	11.7	11.9	12.0	11.8	10.7



REPORT NUMBER: P1197046
CATALOG NUMBER: AWP75S-BZ-HIGH-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	10.7	10.7	10.7	10.7	10.7	10.7	10.7

(END OF REPORT)