

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: P1197043

Luminaire Tested: AWPf75S-BZ-HIGH-3000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197043
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 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 10024 (1 lamp)
Luminaire Lumens: 10471 lumens
Efficiency: 104.5%
Efficacy: 137.8 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

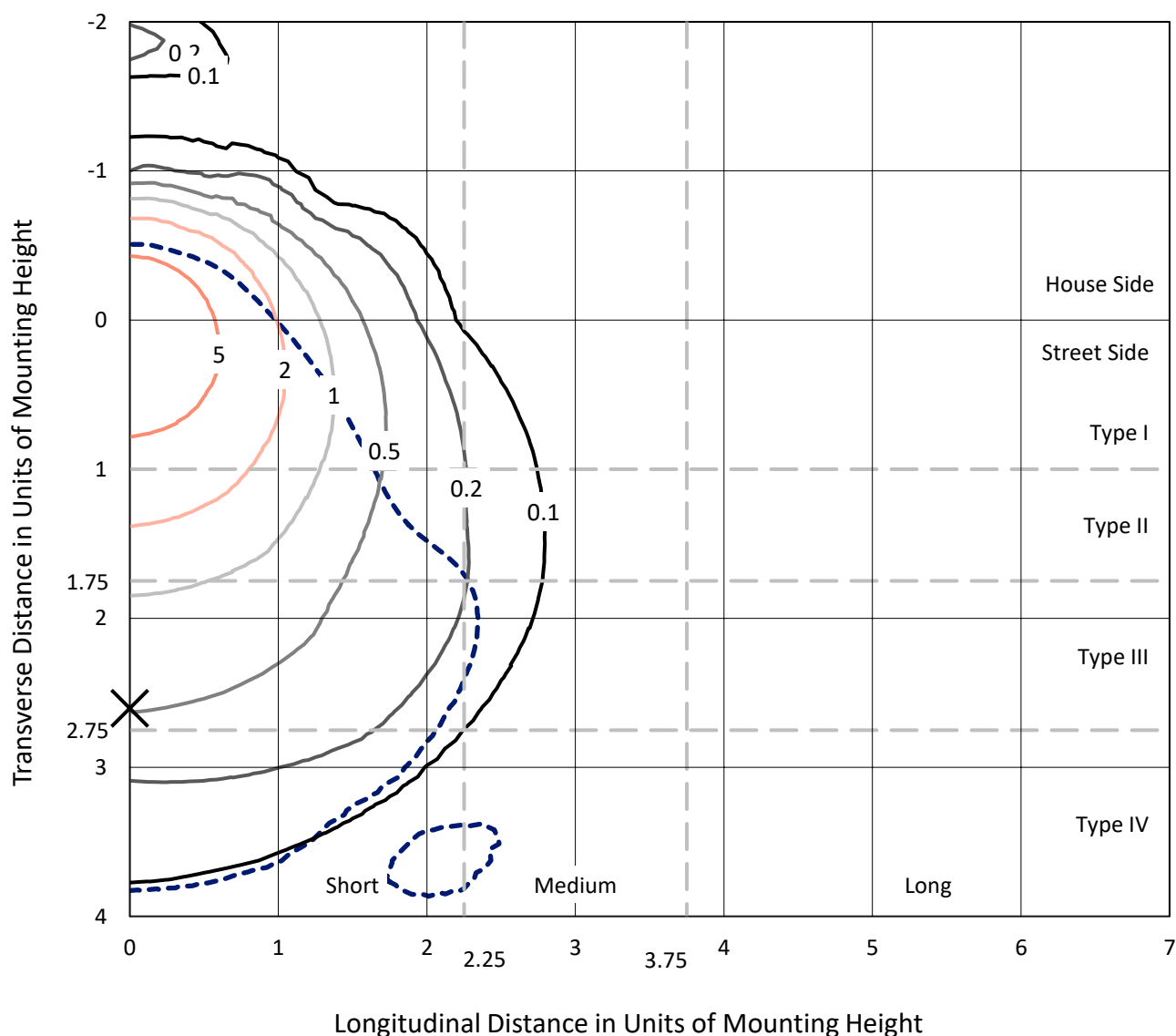
Input Watts (W): 76
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

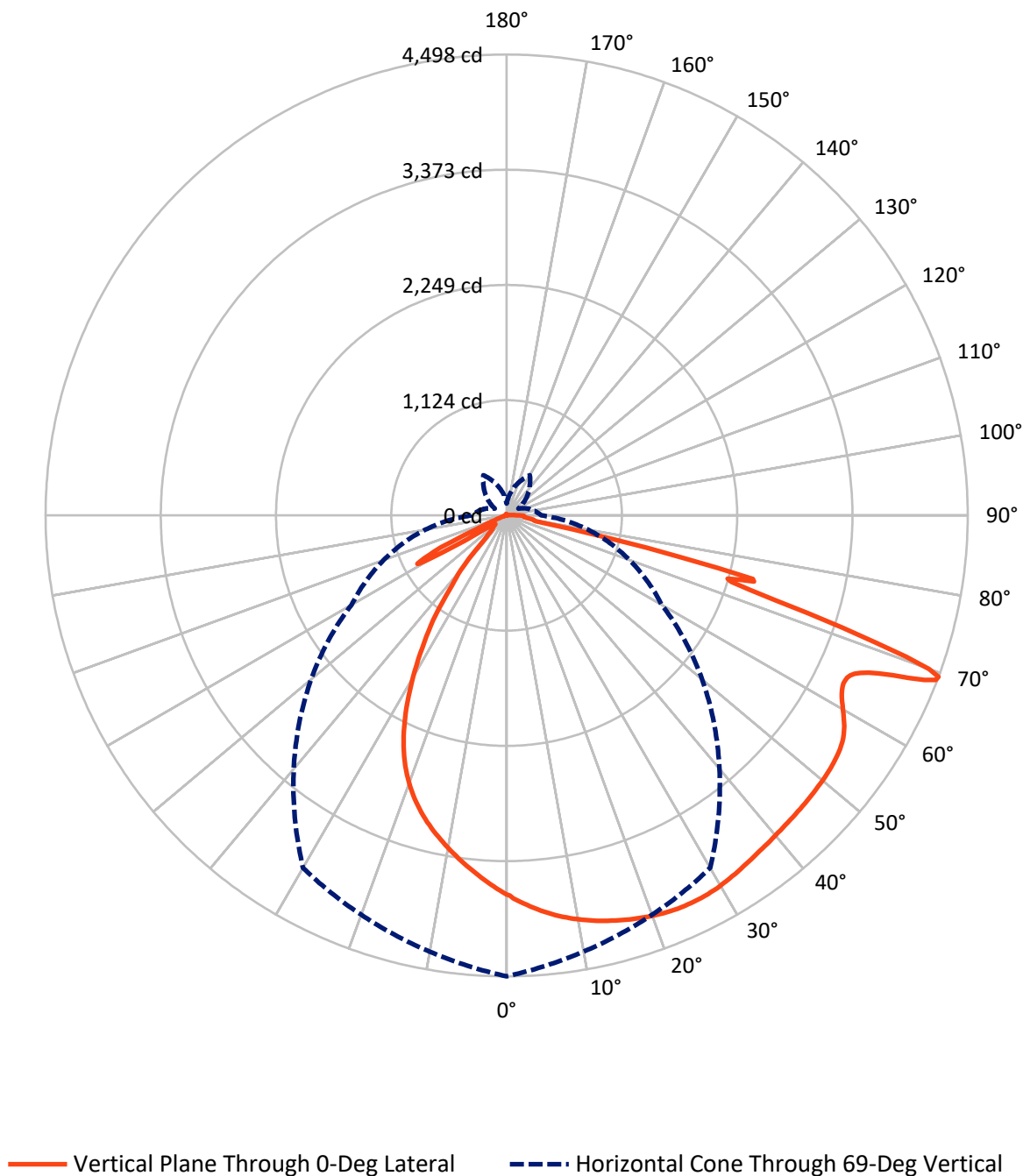


Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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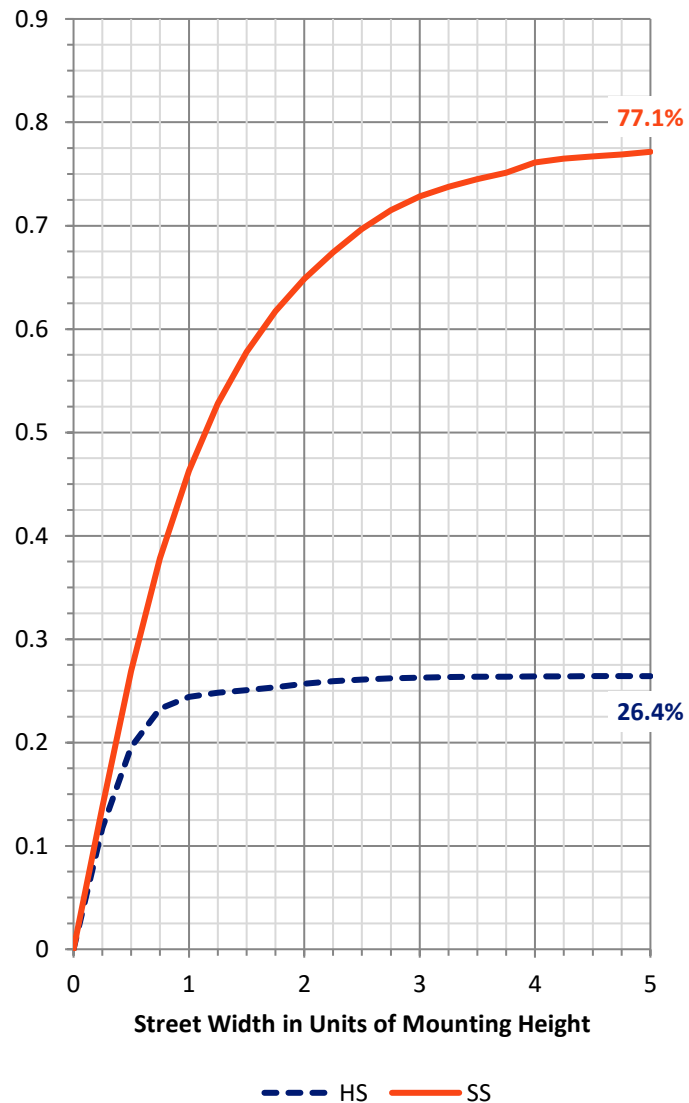
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2665.6	22.6	2688.2
	% Lamp	26.6	0.2	26.8
Street Side	Lumens	7753.5	29.2	7782.8
	% Lamp	77.3	0.3	77.6
Total	Lumens	10419.1	51.9	10471.0
	% Lamp	103.9	0.5	104.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	350.9	3.4	3.5
10°-20°	1004.9	9.6	10.0
20°-30°	1510.8	14.4	15.1
30°-40°	1738.6	16.6	17.3
40°-50°	1677.7	16.0	16.7
50°-60°	1553.6	14.8	15.5
60°-70°	1466.0	14.0	14.6
70°-80°	937.4	9.0	9.4
80°-90°	179.3	1.7	1.8
90°-100°	21.7	0.2	0.2
100°-110°	3.3	0.0	0.0
110°-120°	4.1	0.0	0.0
120°-130°	4.9	0.0	0.0
130°-140°	5.2	0.0	0.1
140°-150°	4.9	0.0	0.0
150°-160°	4.1	0.0	0.0
160°-170°	2.8	0.0	0.0
170°-180°	1.0	0.0	0.0
0°-90°	10419.1	99.5	103.9
0°-180°	10471.0	100.0	104.5

Coefficient of Utilization



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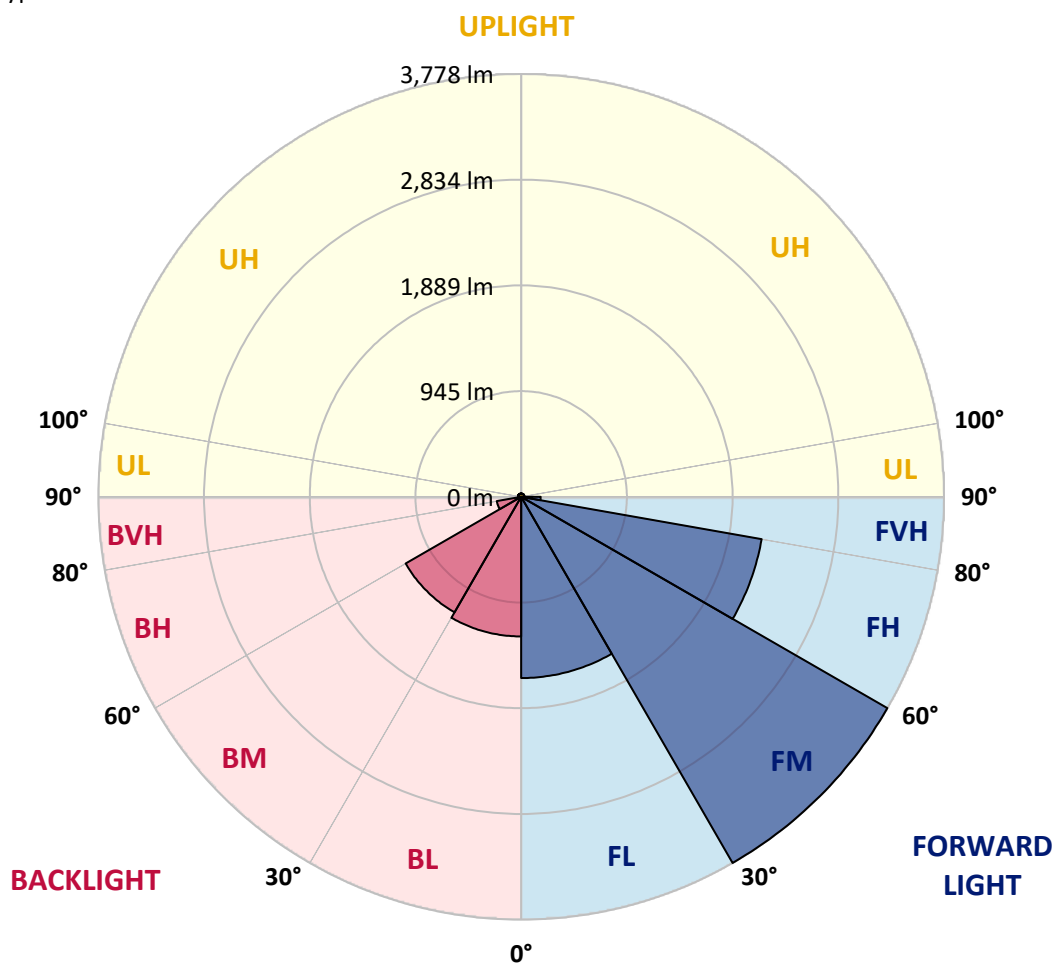
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1618.9	16.2			
FM	(30°-60°)	3778.0	37.7			
FH	(60°-80°)	2182.1	21.8			G2/5000
FVH	(80°-90°)	174.5	1.7			G2/225
BL	(0°-30°)	1247.6	12.4	B3/2500		
BM	(30°-60°)	1191.9	11.9	B2/2500		
BH	(60°-80°)	221.3	2.2	B1/500		G1/500
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	21.7	0.2		U2/50	
UH	(100°-180°)	30.2	0.3		U2/50	
Trapped Light		-447.0	-4.5			

BUG Rating: B3-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3709.1	3709.1	3709.1	3709.1	3709.1	3709.1	3709.1
0.5°	3736.4	3736.0	3722.7	3707.8	3692.7	3676.4	3699.2
1°	3754.5	3751.3	3731.3	3707.1	3682.8	3659.9	3679.3
1.5°	3771.8	3766.2	3739.1	3705.8	3672.8	3642.6	3660.9
2°	3789.1	3780.4	3746.7	3704.4	3662.2	3626.1	3642.0
2.5°	3805.9	3794.7	3754.5	3702.6	3651.9	3608.6	3622.3
3°	3822.5	3809.5	3761.5	3700.2	3641.0	3591.5	3603.0
3.5°	3839.9	3822.6	3768.0	3698.0	3629.9	3574.1	3582.9
4°	3855.9	3835.7	3774.4	3695.3	3618.3	3556.0	3562.8
4.5°	3871.6	3848.8	3780.5	3692.5	3606.9	3537.9	3542.3
5°	3887.1	3861.9	3787.1	3688.8	3593.9	3519.4	3522.2
5.5°	3902.1	3874.1	3792.6	3684.9	3581.1	3502.0	3501.5
6°	3916.5	3885.9	3796.7	3680.2	3568.2	3483.9	3480.3
6.5°	3929.9	3896.9	3801.4	3674.9	3554.4	3464.0	3460.3
7°	3943.0	3907.6	3806.1	3669.6	3539.5	3445.7	3440.7
7.5°	3955.6	3917.8	3810.0	3663.5	3525.3	3426.4	3419.5
8°	3967.8	3927.6	3813.0	3656.9	3510.1	3407.9	3398.9
8.5°	3979.4	3936.1	3815.8	3650.4	3495.9	3388.5	3377.5
9°	3990.5	3945.3	3818.3	3643.3	3480.3	3369.0	3355.9
9.5°	4001.7	3954.6	3820.8	3635.6	3464.2	3349.1	3335.4
10°	4011.5	3962.3	3822.8	3627.5	3448.2	3329.5	3314.3
10.5°	4022.3	3970.5	3825.0	3619.4	3432.0	3309.7	3292.8
11°	4032.2	3977.5	3826.4	3610.4	3414.4	3288.3	3271.3
11.5°	4042.0	3984.0	3827.5	3602.3	3397.7	3267.4	3249.8
12°	4051.4	3990.8	3828.9	3593.3	3381.2	3247.2	3228.4
12.5°	4060.4	3996.7	3828.8	3583.8	3363.8	3226.8	3206.3
13°	4067.7	4002.6	3829.1	3574.7	3346.4	3204.7	3183.7
13.5°	4076.4	4008.5	3829.3	3565.1	3329.2	3182.8	3160.7
14°	4084.3	4013.6	3828.0	3555.6	3310.3	3161.3	3137.8
14.5°	4091.6	4017.9	3826.2	3544.7	3292.4	3138.9	3113.4
15°	4100.2	4022.9	3824.6	3534.5	3273.9	3116.2	3090.0
15.5°	4107.7	4027.6	3822.3	3523.4	3255.1	3093.7	3064.9
16°	4115.0	4031.9	3820.3	3511.3	3235.3	3069.5	3040.4
16.5°	4122.2	4035.4	3818.6	3499.7	3215.4	3045.4	3014.9
17°	4128.8	4039.0	3815.8	3487.3	3196.5	3021.6	2988.1
17.5°	4134.9	4043.2	3812.6	3474.5	3176.4	2996.2	2961.2
18°	4141.2	4046.3	3809.9	3461.5	3155.3	2971.9	2934.2
18.5°	4147.0	4049.2	3806.1	3448.5	3135.4	2946.5	2904.9
19°	4153.4	4052.0	3801.0	3434.7	3113.8	2920.0	2876.0
19.5°	4158.4	4054.5	3796.8	3420.6	3092.7	2892.7	2845.2
20°	4163.2	4056.6	3792.4	3406.0	3072.6	2864.9	2812.8
20.5°	4167.6	4058.8	3787.2	3390.9	3050.5	2837.7	2780.2
21°	4171.7	4060.5	3782.6	3376.0	3028.4	2808.2	2745.5
21.5°	4176.4	4061.5	3777.5	3360.4	3006.3	2778.0	2710.9
22°	4179.7	4063.1	3771.1	3345.0	2983.6	2746.1	2673.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	4182.4	4064.5	3764.9	3329.4	2960.6	2713.8	2636.2
23°	4184.4	4065.5	3759.2	3313.0	2937.2	2680.6	2597.3
23.5°	4186.2	4065.5	3752.6	3296.0	2914.5	2645.5	2555.1
24°	4187.2	4065.2	3745.8	3278.8	2890.0	2609.6	2512.4
24.5°	4188.1	4065.3	3739.0	3260.7	2865.7	2572.4	2468.1
25°	4189.0	4063.6	3731.7	3242.9	2841.6	2534.7	2421.7
25.5°	4189.8	4062.4	3723.7	3224.9	2815.8	2495.5	2374.7
26°	4189.0	4060.3	3715.8	3206.1	2789.9	2453.5	2326.2
26.5°	4187.9	4057.8	3707.1	3186.9	2764.7	2410.6	2274.0
27°	4186.7	4054.8	3698.6	3167.4	2737.5	2367.5	2222.9
27.5°	4184.8	4051.7	3689.4	3148.1	2710.2	2322.5	2170.0
28°	4182.2	4047.3	3679.5	3127.8	2683.2	2276.7	2115.3
28.5°	4179.3	4043.5	3670.1	3106.8	2654.4	2227.5	2059.5
29°	4176.0	4038.5	3660.1	3086.5	2625.6	2177.3	2003.9
29.5°	4171.9	4033.2	3650.2	3064.8	2596.2	2127.4	1945.0
30°	4167.3	4027.2	3639.8	3042.8	2565.8	2076.8	1886.9
30.5°	4163.3	4022.2	3628.7	3021.7	2535.5	2022.8	1827.5
31°	4158.6	4016.2	3617.6	2998.7	2504.7	1969.5	1768.7
31.5°	4153.2	4008.4	3605.9	2975.0	2471.9	1915.1	1707.9
32°	4147.6	4001.5	3594.1	2951.2	2438.8	1857.9	1649.5
32.5°	4142.3	3993.1	3581.1	2927.3	2405.5	1800.5	1590.7
33°	4137.1	3984.9	3567.2	2902.2	2370.1	1744.0	1531.1
33.5°	4131.2	3977.2	3553.8	2878.0	2333.7	1686.6	1473.5
34°	4126.1	3967.9	3540.5	2852.8	2298.4	1629.0	1416.7
34.5°	4120.5	3958.8	3525.7	2827.2	2260.4	1572.4	1360.8
35°	4115.3	3950.1	3510.9	2801.1	2221.2	1514.2	1304.2
35.5°	4110.4	3940.2	3495.7	2774.9	2182.2	1456.2	1249.3
36°	4105.4	3930.7	3480.3	2747.6	2142.3	1399.9	1195.1
36.5°	4100.9	3921.9	3463.9	2720.6	2099.6	1344.3	1127.2
37°	4097.3	3912.4	3447.9	2692.5	2057.2	1288.4	1050.4
37.5°	4093.2	3903.6	3431.9	2664.7	2014.4	1236.0	982.1
38°	4089.4	3894.1	3415.1	2636.1	1968.6	1182.8	922.6
38.5°	4085.4	3884.4	3397.5	2607.6	1923.1	1130.3	869.0
39°	4081.5	3874.9	3380.2	2577.4	1877.1	1079.4	822.6
39.5°	4077.4	3865.8	3362.6	2548.9	1828.8	1031.8	781.1
40°	4074.4	3857.0	3344.3	2518.2	1778.6	979.4	742.0
40.5°	4072.1	3847.9	3326.5	2487.7	1730.9	918.1	696.0
41°	4068.1	3839.6	3307.7	2457.5	1681.1	852.6	634.6
41.5°	4065.2	3830.4	3288.8	2426.5	1629.1	792.7	558.1
42°	4063.1	3822.3	3269.7	2393.9	1577.8	741.6	469.8
42.5°	4060.2	3813.5	3250.1	2362.2	1526.8	698.7	388.7
43°	4057.6	3804.7	3230.4	2329.3	1475.8	658.6	324.6
43.5°	4055.2	3796.3	3210.3	2297.8	1427.6	614.1	280.2
44°	4052.1	3788.3	3189.7	2264.5	1377.5	561.7	261.2
44.5°	4049.8	3780.5	3169.2	2231.8	1327.5	495.4	243.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4047.9	3772.8	3148.7	2198.7	1277.9	420.6	225.9
45.5°	4046.1	3764.8	3127.5	2165.2	1229.1	349.5	208.2
46°	4043.4	3757.1	3106.4	2131.8	1178.5	289.3	198.6
46.5°	4041.0	3749.8	3085.7	2098.2	1130.5	269.0	192.2
47°	4038.1	3741.2	3064.8	2062.0	1081.6	248.9	187.9
47.5°	4034.5	3733.2	3042.7	2027.9	1026.6	228.9	184.9
48°	4031.4	3725.3	3021.0	1993.4	974.7	208.9	182.8
48.5°	4028.5	3717.8	2998.1	1957.1	925.2	202.0	181.0
49°	4025.6	3710.2	2975.2	1921.0	877.8	197.2	179.0
49.5°	4023.4	3704.1	2952.7	1885.1	834.5	193.4	175.8
50°	4019.9	3697.1	2929.9	1847.4	793.6	190.2	170.6
50.5°	4017.0	3691.3	2906.9	1811.8	752.9	187.5	163.5
51°	4012.4	3685.1	2882.4	1776.1	712.2	185.3	156.3
51.5°	4008.5	3678.6	2857.8	1739.1	674.3	183.9	150.4
52°	4003.7	3671.8	2833.1	1700.6	623.4	183.1	143.1
52.5°	3998.9	3666.0	2808.4	1663.5	572.4	182.5	139.7
53°	3993.0	3659.4	2782.6	1623.5	521.5	182.0	139.3
53.5°	3986.1	3653.2	2756.8	1585.3	470.6	181.2	139.8
54°	3979.1	3648.2	2730.1	1545.2	419.9	179.8	141.1
54.5°	3970.5	3643.0	2702.2	1505.7	375.4	177.7	143.6
55°	3961.7	3637.8	2673.2	1466.1	339.0	175.8	148.9
55.5°	3950.2	3634.1	2643.6	1425.5	310.6	173.9	161.3
56°	3937.7	3628.3	2613.5	1385.6	287.4	169.3	180.5
56.5°	3922.5	3622.0	2585.5	1346.6	266.2	167.0	193.7
57°	3903.9	3616.0	2552.7	1306.5	247.2	165.6	200.2
57.5°	3883.4	3610.1	2520.2	1266.4	233.6	164.0	209.7
58°	3860.7	3602.3	2487.5	1225.4	224.5	161.3	233.1
58.5°	3837.8	3594.9	2454.6	1184.4	217.4	156.5	278.5
59°	3813.5	3586.4	2418.3	1139.6	212.0	149.1	353.5
59.5°	3788.2	3576.4	2385.6	1097.1	207.6	142.9	474.5
60°	3764.3	3566.2	2352.2	1055.1	203.1	136.2	597.4
60.5°	3740.9	3555.0	2318.8	1010.3	198.3	128.1	720.3
61°	3720.5	3544.2	2286.6	966.0	193.1	120.5	843.2
61.5°	3703.3	3532.6	2252.7	921.9	187.9	114.3	966.2
62°	3688.4	3522.1	2214.7	877.0	183.0	109.2	991.8
62.5°	3678.0	3510.5	2177.3	830.1	178.6	104.4	959.5
63°	3672.9	3499.5	2139.1	786.2	174.3	101.8	901.8
63.5°	3673.1	3488.7	2101.7	741.0	170.1	101.8	845.6
64°	3679.7	3477.4	2066.4	693.4	166.1	104.6	788.6
64.5°	3697.2	3466.0	2032.6	646.0	162.3	110.9	712.8
65°	3727.1	3459.8	1999.2	599.5	158.5	123.6	592.9
65.5°	3776.5	3465.5	1966.8	552.5	154.9	153.5	454.3
66°	3850.7	3486.9	1934.5	510.4	152.0	203.3	339.9
66.5°	3947.7	3521.6	1903.0	474.8	149.1	261.7	253.9
67°	4075.5	3579.0	1872.0	446.6	146.1	321.9	220.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4231.3	3658.5	1842.1	424.3	143.0	381.8	189.7
68°	4379.7	3755.8	1810.8	398.5	139.9	434.9	158.9
68.5°	4483.3	3857.0	1778.8	365.0	136.3	458.8	127.6
69°	4497.7	3971.7	1747.3	337.8	131.7	452.5	114.8
69.5°	4383.5	4073.2	1713.7	317.6	125.9	436.5	104.6
70°	4132.6	4123.6	1681.6	305.4	119.7	415.3	94.9
70.5°	3802.8	4096.1	1651.2	295.9	113.5	393.9	85.6
71°	3449.5	3983.1	1621.1	286.1	107.4	369.7	77.3
71.5°	3082.5	3776.9	1592.2	276.2	101.6	343.8	70.0
72°	2741.8	3490.0	1566.3	266.4	96.5	318.2	63.4
72.5°	2483.8	3165.6	1541.9	256.6	90.9	292.3	57.1
73°	2284.3	2858.3	1518.3	246.1	84.0	267.4	51.4
73.5°	2242.7	2575.9	1497.1	235.5	76.9	241.7	45.7
74°	2345.6	2340.9	1478.6	225.2	71.4	216.8	40.3
74.5°	2497.7	2147.5	1463.5	214.8	66.4	190.0	35.4
75°	2480.3	2074.9	1451.8	203.9	61.1	162.2	30.6
75.5°	2125.9	2136.0	1443.5	192.3	56.6	133.0	25.7
76°	1762.2	2293.7	1445.0	179.7	52.8	105.5	21.4
76.5°	1397.9	2419.1	1460.8	165.3	49.6	83.0	17.3
77°	1031.1	2387.4	1490.9	149.7	46.4	66.3	14.4
77.5°	660.2	2128.5	1529.7	133.6	42.3	43.0	13.1
78°	290.0	1676.5	1571.0	117.9	37.4	16.5	11.8
78.5°	275.0	1160.3	1607.9	103.9	33.0	6.4	10.5
79°	269.4	724.0	1624.0	90.9	29.4	4.6	9.5
79.5°	269.3	442.7	1623.6	80.2	25.3	4.4	8.5
80°	266.5	293.9	1605.3	71.3	21.0	4.5	7.8
80.5°	262.7	269.5	1564.8	64.1	17.3	4.6	7.2
81°	248.5	250.6	1497.9	57.6	14.5	4.9	6.7
81.5°	228.5	231.5	1411.0	51.8	12.2	5.0	6.2
82°	209.9	211.8	1297.5	46.4	10.1	5.1	5.8
82.5°	200.3	205.9	1161.3	41.6	8.2	5.1	5.4
83°	192.3	197.5	1018.4	37.2	6.4	5.1	5.0
83.5°	181.2	183.0	874.6	33.1	4.7	5.1	4.8
84°	173.5	165.7	772.4	29.4	3.5	5.1	4.6
84.5°	172.1	151.4	670.2	25.9	2.8	5.1	4.4
85°	173.1	138.9	568.0	22.7	2.6	5.1	4.3
85.5°	173.6	127.1	465.8	19.8	2.5	5.0	4.3
86°	173.0	115.7	364.8	17.1	2.5	4.9	4.2
86.5°	171.9	107.2	300.7	14.7	2.4	4.7	4.2
87°	170.5	102.1	249.2	12.5	2.3	4.6	4.2
87.5°	168.4	99.5	211.3	10.5	2.2	4.4	4.2
88°	164.3	99.2	186.6	8.6	2.2	4.2	4.1
88.5°	156.6	100.5	172.2	6.8	2.1	4.0	4.1
89°	143.8	102.3	161.1	5.3	2.1	3.8	4.1
89.5°	126.8	104.4	149.6	4.0	2.0	3.6	4.1

REPORT NUMBER: P1197043

CATALOG NUMBER: AWP75S-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	108.8	105.4	136.6	3.0	2.0	3.5	4.2
90.5°	92.0	104.8	124.1	2.7	2.0	3.3	4.2
91°	78.3	102.5	109.1	2.5	2.0	3.2	4.3
91.5°	68.0	98.3	94.0	2.4	2.0	3.0	4.4
92°	61.3	92.8	84.8	2.3	2.0	3.0	4.5
92.5°	57.2	86.4	76.6	2.3	2.0	3.0	4.6
93°	53.9	79.1	65.2	2.2	2.0	3.0	4.7
93.5°	51.5	70.0	50.6	2.1	2.0	3.0	4.8
94°	50.1	59.0	38.1	2.1	2.1	3.0	4.9
94.5°	48.8	47.9	25.7	2.0	2.1	3.0	5.0
95°	46.6	37.3	19.5	2.0	2.1	3.0	5.0
95.5°	43.1	28.1	15.0	1.9	2.2	3.0	5.1
96°	38.5	19.8	11.4	1.9	2.2	3.1	5.2
96.5°	33.6	12.6	10.4	1.9	2.3	3.1	5.3
97°	28.6	7.3	9.4	1.9	2.3	3.2	5.4
97.5°	22.0	3.7	8.6	1.9	2.4	3.3	5.5
98°	14.8	2.4	7.7	1.9	2.4	3.3	5.7
98.5°	7.3	1.8	7.0	1.9	2.5	3.4	5.8
99°	2.6	1.5	6.2	1.9	2.6	3.5	6.0
99.5°	2.0	1.3	5.4	1.9	2.7	3.6	6.1
100°	1.6	1.2	4.8	1.9	2.8	3.7	6.2
100.5°	1.4	1.2	4.2	1.9	2.9	3.8	6.3
101°	1.4	1.1	3.8	2.0	2.9	3.9	6.4
101.5°	1.4	1.0	3.4	2.0	3.0	4.1	6.5
102°	1.3	1.0	3.0	2.1	3.1	4.2	6.7
102.5°	1.3	1.0	2.8	2.2	3.2	4.3	6.8
103°	1.2	1.0	2.5	2.2	3.3	4.4	6.9
103.5°	1.1	1.0	2.3	2.3	3.4	4.6	7.1
104°	1.1	1.0	2.1	2.3	3.6	4.7	7.2
104.5°	1.0	1.0	1.9	2.4	3.7	4.8	7.3
105°	0.9	0.9	1.7	2.5	3.8	4.9	7.5
105.5°	0.9	0.9	1.6	2.5	3.9	5.0	7.6
106°	0.8	0.9	1.5	2.6	4.0	5.2	7.7
106.5°	0.8	0.9	1.4	2.7	4.1	5.3	7.8
107°	0.8	0.9	1.3	2.7	4.2	5.4	7.9
107.5°	0.7	0.9	1.3	2.8	4.4	5.6	8.0
108°	0.7	0.8	1.2	2.8	4.5	5.7	8.1
108.5°	0.7	0.8	1.2	2.9	4.6	5.8	8.3
109°	0.7	0.7	1.2	3.0	4.7	5.9	8.4
109.5°	0.7	0.7	1.2	3.1	4.8	6.0	8.5
110°	0.6	0.7	1.2	3.1	4.9	6.2	8.6
110.5°	0.6	0.7	1.2	3.2	5.0	6.3	8.7
111°	0.6	0.7	1.2	3.3	5.1	6.4	8.8
111.5°	0.6	0.7	1.2	3.4	5.3	6.5	8.9
112°	0.6	0.7	1.3	3.4	5.4	6.6	9.0

REPORT NUMBER: P1197043

CATALOG NUMBER: AWP75S-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

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

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CATALOG NUMBER: AWP75S-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	2.2	2.8	4.4	6.6	9.3	10.5	11.2
135.5°	2.3	2.8	4.5	6.7	9.3	10.5	11.3
136°	2.3	2.9	4.6	6.8	9.3	10.6	11.3
136.5°	2.4	3.0	4.6	6.8	9.4	10.6	11.4
137°	2.5	3.1	4.7	6.9	9.4	10.7	11.5
137.5°	2.5	3.1	4.8	7.0	9.5	10.7	11.5
138°	2.6	3.2	4.9	7.1	9.5	10.8	11.6
138.5°	2.7	3.3	4.9	7.1	9.5	10.8	11.6
139°	2.7	3.4	5.0	7.2	9.6	10.9	11.6
139.5°	2.8	3.5	5.1	7.2	9.6	10.9	11.6
140°	2.9	3.6	5.2	7.3	9.7	10.9	11.6
140.5°	3.0	3.7	5.3	7.4	9.7	10.9	11.7
141°	3.0	3.8	5.3	7.4	9.7	11.0	11.7
141.5°	3.1	3.9	5.4	7.5	9.8	11.0	11.7
142°	3.2	4.0	5.5	7.6	9.8	11.0	11.7
142.5°	3.3	4.1	5.6	7.6	9.8	11.0	11.7
143°	3.3	4.1	5.7	7.7	9.9	11.0	11.7
143.5°	3.4	4.2	5.8	7.7	9.9	11.1	11.7
144°	3.5	4.3	5.8	7.8	9.9	11.1	11.7
144.5°	3.6	4.4	5.9	7.9	10.0	11.1	11.7
145°	3.7	4.5	6.0	7.9	10.0	11.1	11.7
145.5°	3.7	4.6	6.1	8.0	10.0	11.1	11.7
146°	3.8	4.6	6.2	8.1	10.1	11.1	11.7
146.5°	3.9	4.7	6.2	8.1	10.1	11.1	11.7
147°	4.0	4.8	6.3	8.2	10.1	11.1	11.7
147.5°	4.0	4.9	6.4	8.3	10.1	11.1	11.7
148°	4.1	5.0	6.5	8.3	10.2	11.1	11.7
148.5°	4.2	5.0	6.6	8.4	10.2	11.1	11.7
149°	4.3	5.1	6.6	8.4	10.3	11.1	11.7
149.5°	4.4	5.2	6.7	8.5	10.3	11.1	11.7
150°	4.4	5.3	6.8	8.5	10.3	11.1	11.7
150.5°	4.5	5.3	6.9	8.6	10.4	11.1	11.7
151°	4.6	5.4	6.9	8.7	10.4	11.2	11.7
151.5°	4.7	5.5	7.0	8.7	10.4	11.2	11.7
152°	4.8	5.6	7.1	8.8	10.5	11.2	11.6
152.5°	4.8	5.7	7.2	8.9	10.5	11.2	11.6
153°	4.9	5.8	7.3	9.0	10.6	11.3	11.6
153.5°	5.0	5.8	7.3	9.0	10.6	11.3	11.6
154°	5.1	5.9	7.4	9.1	10.7	11.3	11.6
154.5°	5.2	6.0	7.5	9.2	10.7	11.3	11.6
155°	5.3	6.1	7.6	9.2	10.8	11.4	11.6
155.5°	5.3	6.2	7.7	9.3	10.8	11.4	11.6
156°	5.4	6.3	7.7	9.3	10.8	11.3	11.5
156.5°	5.5	6.3	7.8	9.4	10.8	11.4	11.5
157°	5.6	6.4	7.9	9.5	10.9	11.4	11.5

REPORT NUMBER: P1197043

CATALOG NUMBER: AWP75S-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	5.7	6.5	8.0	9.5	10.9	11.4	11.5
158°	5.8	6.6	8.1	9.6	10.9	11.4	11.5
158.5°	5.9	6.7	8.1	9.6	10.9	11.4	11.5
159°	6.0	6.8	8.2	9.7	11.0	11.4	11.5
159.5°	6.1	6.9	8.3	9.7	11.0	11.4	11.5
160°	6.2	6.9	8.4	9.8	11.0	11.4	11.5
160.5°	6.3	7.1	8.4	9.8	11.0	11.4	11.5
161°	6.4	7.1	8.5	9.9	11.1	11.4	11.5
161.5°	6.4	7.2	8.6	9.9	11.1	11.4	11.5
162°	6.5	7.3	8.7	10.0	11.1	11.4	11.5
162.5°	6.6	7.4	8.7	10.0	11.1	11.4	11.4
163°	6.7	7.5	8.8	10.0	11.1	11.4	11.4
163.5°	6.8	7.5	8.9	10.1	11.1	11.4	11.4
164°	6.9	7.6	9.0	10.2	11.2	11.4	11.3
164.5°	7.0	7.7	9.0	10.2	11.2	11.4	11.3
165°	7.1	7.8	9.1	10.2	11.2	11.4	11.3
165.5°	7.3	7.9	9.2	10.3	11.2	11.5	11.3
166°	7.4	8.0	9.3	10.3	11.3	11.5	11.3
166.5°	7.5	8.1	9.4	10.4	11.3	11.5	11.2
167°	7.6	8.2	9.4	10.4	11.3	11.5	11.2
167.5°	7.7	8.4	9.5	10.5	11.3	11.5	11.2
168°	7.8	8.5	9.6	10.5	11.3	11.5	11.2
168.5°	7.9	8.6	9.7	10.6	11.3	11.5	11.2
169°	8.0	8.7	9.8	10.6	11.3	11.5	11.1
169.5°	8.2	8.8	9.8	10.7	11.3	11.5	11.1
170°	8.3	8.9	9.9	10.7	11.3	11.5	11.1
170.5°	8.4	9.0	10.0	10.7	11.3	11.5	11.1
171°	8.5	9.0	10.0	10.8	11.3	11.5	11.0
171.5°	8.6	9.1	10.1	10.8	11.3	11.5	11.0
172°	8.7	9.2	10.1	10.8	11.3	11.5	10.9
172.5°	8.7	9.3	10.2	10.8	11.3	11.4	10.9
173°	8.8	9.4	10.2	10.8	11.3	11.4	10.8
173.5°	8.9	9.4	10.3	10.9	11.3	11.4	10.8
174°	9.0	9.5	10.4	10.9	11.3	11.4	10.7
174.5°	9.1	9.6	10.4	10.9	11.3	11.4	10.7
175°	9.2	9.7	10.5	10.9	11.3	11.4	10.6
175.5°	9.3	9.8	10.5	10.9	11.3	11.3	10.5
176°	9.4	9.9	10.6	11.0	11.2	11.3	10.5
176.5°	9.4	9.9	10.6	11.0	11.2	11.3	10.4
177°	9.5	10.0	10.7	11.0	11.2	11.2	10.4
177.5°	9.6	10.1	10.7	11.1	11.2	11.2	10.3
178°	9.7	10.2	10.8	11.1	11.2	11.2	10.2
178.5°	9.7	10.2	10.8	11.1	11.2	11.1	10.2
179°	9.8	10.3	10.9	11.1	11.2	11.1	10.1
179.5°	9.9	10.4	10.9	11.1	11.2	11.1	10.1



REPORT NUMBER: P1197043
CATALOG NUMBER: AWP75S-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	10.0	10.0	10.0	10.0	10.0	10.0	10.0

(END OF REPORT)