

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: P1197048

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

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197048
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-MID-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: 9923.5 lumens
Efficiency: 99.0%
Efficacy: 152.9 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): 64.9
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

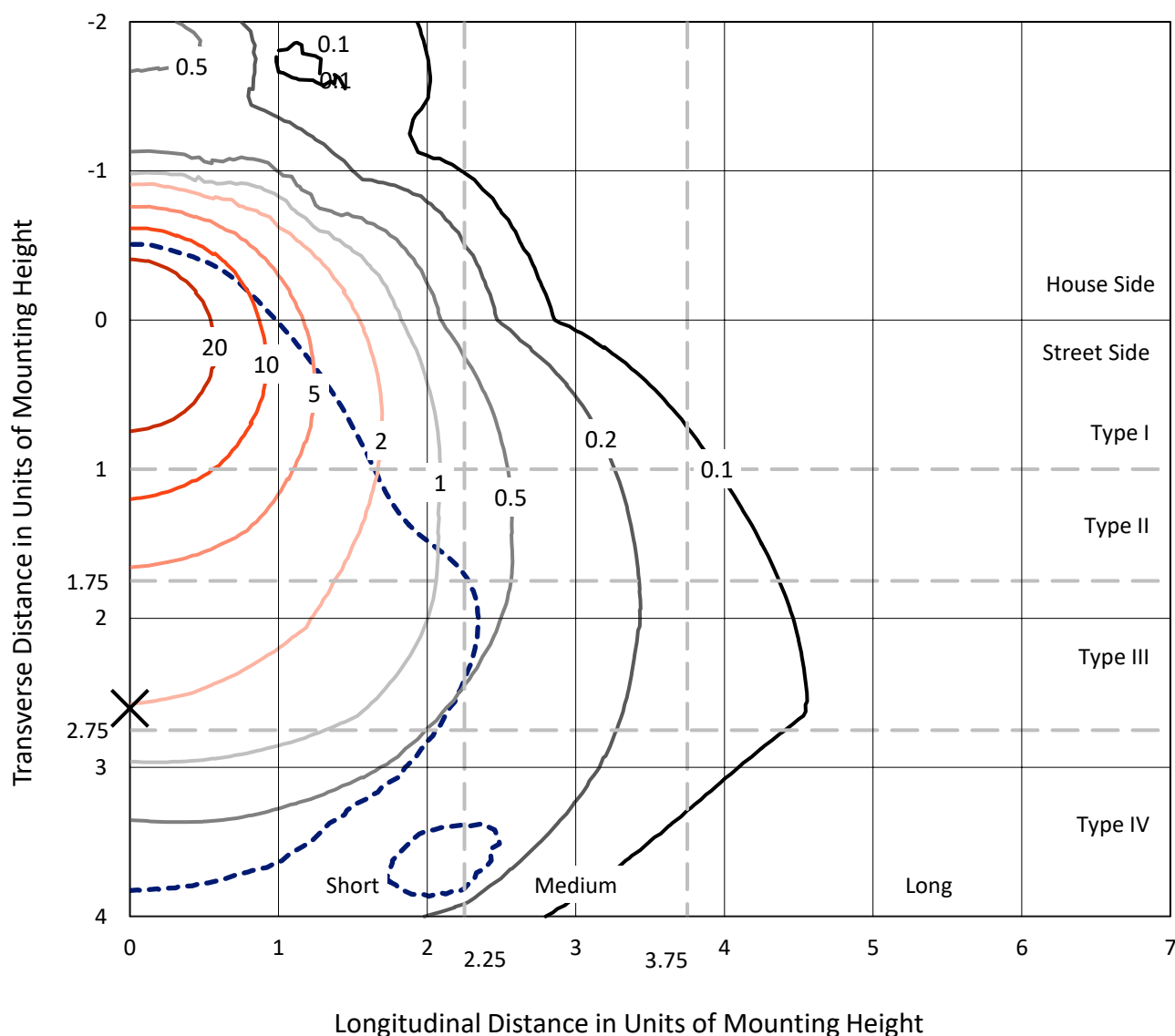
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

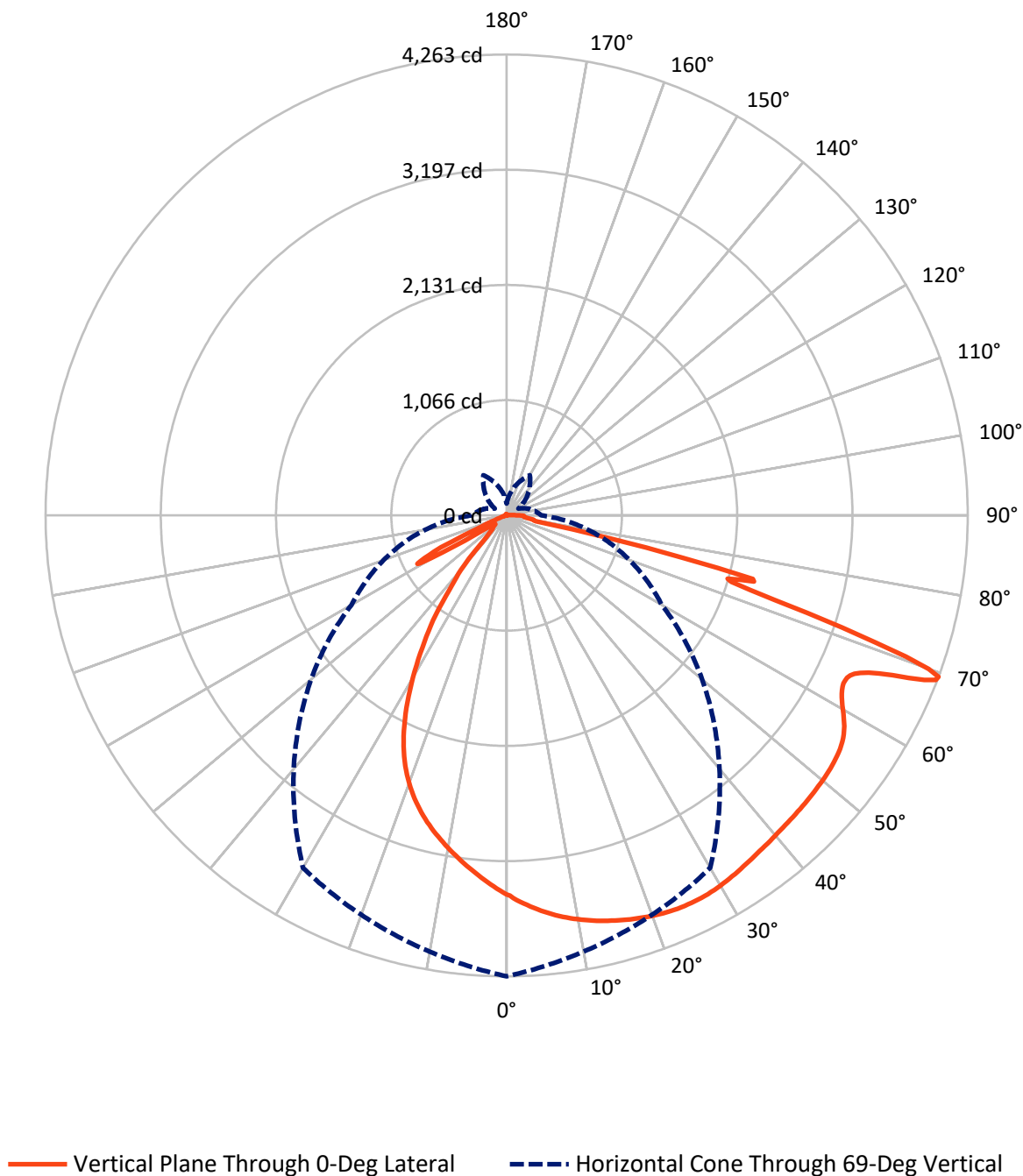


Based on 10 foot mounting height. Maximum calculated value = 36.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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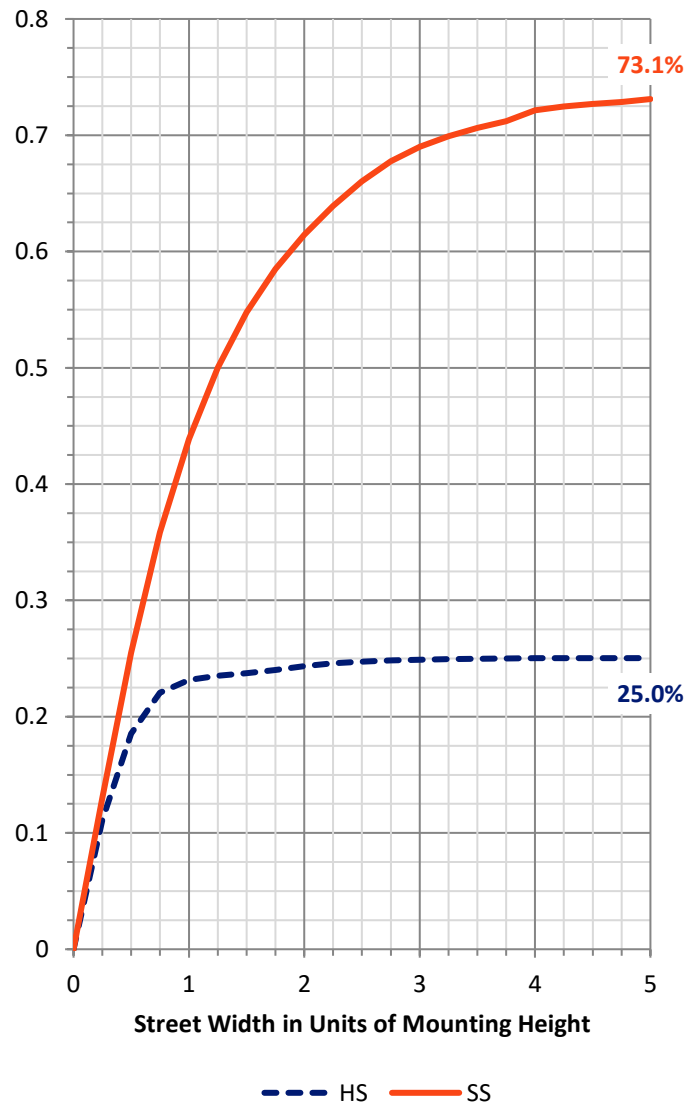
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2526.2	21.5	2547.7
	% Lamp	25.2	0.2	25.4
Street Side	Lumens	7348.1	27.7	7375.8
	% Lamp	73.3	0.3	73.6
Total	Lumens	9874.3	49.2	9923.5
	% Lamp	98.5	0.5	99.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	332.5	3.4	3.3
10°-20°	952.4	9.6	9.5
20°-30°	1431.8	14.4	14.3
30°-40°	1647.7	16.6	16.4
40°-50°	1590.0	16.0	15.9
50°-60°	1472.4	14.8	14.7
60°-70°	1389.3	14.0	13.9
70°-80°	888.4	9.0	8.9
80°-90°	169.9	1.7	1.7
90°-100°	20.6	0.2	0.2
100°-110°	3.1	0.0	0.0
110°-120°	3.9	0.0	0.0
120°-130°	4.6	0.0	0.0
130°-140°	4.9	0.0	0.0
140°-150°	4.7	0.0	0.0
150°-160°	3.9	0.0	0.0
160°-170°	2.6	0.0	0.0
170°-180°	1.0	0.0	0.0
0°-90°	9874.3	99.5	98.5
0°-180°	9923.5	100.0	99.0

Coefficient of Utilization



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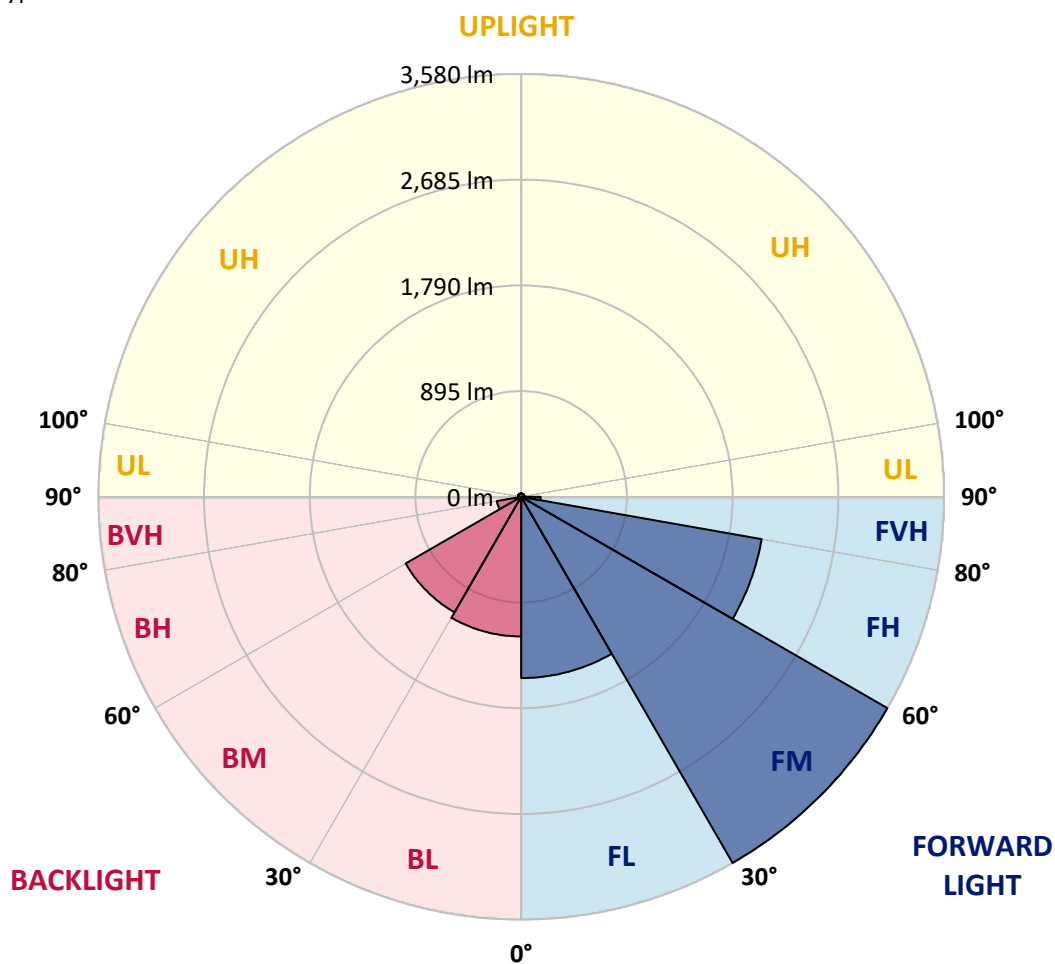
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1534.3	15.3			
FM	(30°-60°)	3580.5	35.7			
FH	(60°-80°)	2068.0	20.6			G2/5000
FVH	(80°-90°)	165.4	1.6			G2/225
BL	(0°-30°)	1182.4	11.8	B3/2500		
BM	(30°-60°)	1129.5	11.3	B2/2500		
BH	(60°-80°)	209.7	2.1	B1/500		G1/500
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	20.6	0.2		U2/50	
UH	(100°-180°)	28.6	0.3		U2/50	
Trapped Light		100.5	1.0			

BUG Rating: B3-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3515.2	3515.2	3515.2	3515.2	3515.2	3515.2	3515.2
0.5°	3541.0	3540.6	3528.1	3513.9	3499.6	3484.1	3505.8
1°	3558.2	3555.1	3536.2	3513.3	3490.2	3468.5	3487.0
1.5°	3574.5	3569.3	3543.6	3512.0	3480.7	3452.2	3469.5
2°	3591.0	3582.7	3550.8	3510.7	3470.7	3436.5	3451.5
2.5°	3606.9	3596.3	3558.1	3509.0	3461.0	3419.9	3432.9
3°	3622.6	3610.3	3564.8	3506.8	3450.6	3403.7	3414.6
3.5°	3639.1	3622.7	3571.0	3504.6	3440.1	3387.2	3395.5
4°	3654.2	3635.2	3577.1	3502.1	3429.1	3370.1	3376.5
4.5°	3669.2	3647.6	3582.8	3499.4	3418.3	3352.9	3357.0
5°	3683.9	3659.9	3589.1	3495.9	3406.0	3335.4	3338.0
5.5°	3698.1	3671.5	3594.3	3492.2	3393.9	3318.9	3318.4
6°	3711.7	3682.7	3598.1	3487.8	3381.6	3301.7	3298.3
6.5°	3724.4	3693.1	3602.6	3482.7	3368.5	3282.9	3279.3
7°	3736.8	3703.3	3607.1	3477.7	3354.4	3265.6	3260.8
7.5°	3748.8	3712.9	3610.7	3471.9	3340.9	3247.2	3240.7
8°	3760.3	3722.2	3613.6	3465.7	3326.6	3229.7	3221.1
8.5°	3771.3	3730.3	3616.2	3459.5	3313.1	3211.4	3200.8
9°	3781.8	3739.0	3618.7	3452.8	3298.3	3192.8	3180.4
9.5°	3792.4	3747.8	3621.1	3445.5	3283.1	3174.0	3161.0
10°	3801.8	3755.2	3622.9	3437.8	3267.9	3155.4	3141.0
10.5°	3812.0	3762.9	3625.0	3430.1	3252.6	3136.6	3120.6
11°	3821.3	3769.5	3626.4	3421.6	3235.9	3116.3	3100.2
11.5°	3830.7	3775.7	3627.3	3413.9	3220.0	3096.6	3079.8
12°	3839.6	3782.1	3628.7	3405.4	3204.4	3077.4	3059.6
12.5°	3848.1	3787.7	3628.6	3396.4	3187.9	3058.1	3038.7
13°	3855.0	3793.3	3628.9	3387.8	3171.4	3037.1	3017.2
13.5°	3863.3	3798.9	3629.1	3378.7	3155.1	3016.4	2995.4
14°	3870.7	3803.7	3627.8	3369.7	3137.2	2996.0	2973.7
14.5°	3877.6	3807.8	3626.2	3359.3	3120.2	2974.8	2950.6
15°	3885.8	3812.5	3624.6	3349.7	3102.7	2953.3	2928.4
15.5°	3892.9	3817.0	3622.5	3339.1	3084.9	2931.9	2904.6
16°	3899.8	3821.0	3620.5	3327.7	3066.1	2909.0	2881.4
16.5°	3906.7	3824.4	3618.9	3316.7	3047.3	2886.1	2857.3
17°	3912.9	3827.8	3616.3	3305.0	3029.3	2863.6	2831.9
17.5°	3918.7	3831.8	3613.2	3292.8	3010.3	2839.5	2806.3
18°	3924.7	3834.7	3610.7	3280.5	2990.3	2816.5	2780.8
18.5°	3930.1	3837.5	3607.1	3268.2	2971.5	2792.4	2753.0
19°	3936.2	3840.1	3602.2	3255.1	2951.0	2767.3	2725.7
19.5°	3940.9	3842.5	3598.3	3241.7	2931.0	2741.5	2696.4
20°	3945.6	3844.5	3594.1	3227.9	2912.0	2715.1	2665.7
20.5°	3949.7	3846.6	3589.1	3213.6	2891.0	2689.3	2634.8
21°	3953.6	3848.2	3584.8	3199.5	2870.0	2661.4	2601.9
21.5°	3958.0	3849.2	3580.0	3184.7	2849.1	2632.7	2569.1
22°	3961.2	3850.6	3573.9	3170.1	2827.6	2602.6	2533.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3963.7	3851.9	3568.0	3155.3	2805.8	2571.9	2498.4
23°	3965.6	3852.9	3562.6	3139.8	2783.6	2540.4	2461.5
23.5°	3967.3	3852.9	3556.4	3123.7	2762.1	2507.1	2421.5
24°	3968.3	3852.7	3549.9	3107.3	2738.9	2473.1	2381.1
24.5°	3969.1	3852.8	3543.5	3090.2	2715.8	2437.9	2339.1
25°	3969.9	3851.2	3536.6	3073.3	2693.0	2402.2	2295.1
25.5°	3970.7	3850.0	3529.0	3056.3	2668.6	2365.0	2250.6
26°	3970.0	3848.0	3521.5	3038.4	2644.0	2325.2	2204.6
26.5°	3968.9	3845.6	3513.2	3020.2	2620.1	2284.6	2155.1
27°	3967.8	3842.8	3505.2	3001.8	2594.3	2243.7	2106.6
27.5°	3965.9	3839.9	3496.5	2983.4	2568.5	2201.0	2056.5
28°	3963.5	3835.7	3487.1	2964.3	2542.9	2157.6	2004.7
28.5°	3960.8	3832.1	3478.2	2944.4	2515.6	2111.0	1951.8
29°	3957.6	3827.4	3468.7	2925.1	2488.3	2063.4	1899.1
29.5°	3953.8	3822.3	3459.3	2904.6	2460.4	2016.1	1843.3
30°	3949.4	3816.6	3449.4	2883.7	2431.6	1968.2	1788.2
30.5°	3945.6	3811.8	3438.9	2863.7	2403.0	1917.0	1732.0
31°	3941.1	3806.2	3428.4	2841.9	2373.7	1866.5	1676.2
31.5°	3936.1	3798.8	3417.4	2819.5	2342.6	1815.0	1618.6
32°	3930.7	3792.3	3406.2	2796.9	2311.3	1760.7	1563.2
32.5°	3925.7	3784.3	3393.9	2774.3	2279.7	1706.3	1507.5
33°	3920.8	3776.5	3380.7	2750.5	2246.1	1652.8	1451.0
33.5°	3915.2	3769.2	3368.0	2727.5	2211.6	1598.4	1396.4
34°	3910.3	3760.4	3355.4	2703.6	2178.2	1543.9	1342.6
34.5°	3905.0	3751.8	3341.3	2679.4	2142.2	1490.2	1289.6
35°	3900.1	3743.6	3327.3	2654.6	2105.0	1435.0	1236.0
35.5°	3895.5	3734.2	3312.9	2629.8	2068.1	1380.0	1184.0
36°	3890.7	3725.2	3298.3	2603.9	2030.3	1326.7	1132.6
36.5°	3886.4	3716.8	3282.7	2578.3	1989.8	1274.0	1068.3
37°	3883.0	3707.8	3267.6	2551.7	1949.6	1221.0	995.5
37.5°	3879.2	3699.5	3252.5	2525.4	1909.1	1171.4	930.7
38°	3875.6	3690.4	3236.5	2498.2	1865.7	1121.0	874.4
38.5°	3871.8	3681.3	3219.8	2471.3	1822.6	1071.2	823.5
39°	3868.1	3672.3	3203.5	2442.6	1778.9	1023.0	779.6
39.5°	3864.2	3663.7	3186.8	2415.6	1733.2	977.9	740.3
40°	3861.4	3655.4	3169.4	2386.5	1685.6	928.2	703.2
40.5°	3859.2	3646.7	3152.5	2357.6	1640.4	870.1	659.6
41°	3855.4	3638.8	3134.8	2329.0	1593.2	808.0	601.4
41.5°	3852.6	3630.1	3116.8	2299.7	1543.9	751.2	529.0
42°	3850.6	3622.5	3098.7	2268.7	1495.3	702.9	445.2
42.5°	3847.9	3614.1	3080.2	2238.7	1447.0	662.2	368.4
43°	3845.4	3605.8	3061.5	2207.5	1398.7	624.2	307.6
43.5°	3843.1	3597.8	3042.4	2177.6	1353.0	582.0	265.6
44°	3840.2	3590.2	3022.9	2146.0	1305.5	532.3	247.6
44.5°	3838.0	3582.8	3003.5	2115.1	1258.1	469.5	230.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3836.2	3575.5	2984.1	2083.7	1211.1	398.6	214.1
45.5°	3834.5	3568.0	2964.0	2052.0	1164.9	331.2	197.3
46°	3832.0	3560.6	2943.9	2020.4	1116.8	274.2	188.3
46.5°	3829.7	3553.7	2924.4	1988.5	1071.3	254.9	182.2
47°	3827.0	3545.6	2904.6	1954.1	1025.0	235.9	178.1
47.5°	3823.5	3538.0	2883.6	1921.9	972.9	216.9	175.3
48°	3820.6	3530.5	2863.1	1889.1	923.7	197.9	173.2
48.5°	3817.9	3523.4	2841.3	1854.7	876.8	191.5	171.5
49°	3815.1	3516.2	2819.7	1820.6	831.9	186.9	169.6
49.5°	3813.0	3510.4	2798.3	1786.6	790.9	183.3	166.6
50°	3809.7	3503.7	2776.7	1750.8	752.1	180.2	161.6
50.5°	3807.0	3498.2	2754.9	1717.1	713.5	177.7	155.0
51°	3802.6	3492.4	2731.7	1683.2	675.0	175.6	148.1
51.5°	3798.9	3486.3	2708.3	1648.2	639.0	174.3	142.6
52°	3794.4	3479.8	2684.9	1611.7	590.8	173.5	135.6
52.5°	3789.8	3474.3	2661.6	1576.5	542.5	173.0	132.4
53°	3784.2	3468.0	2637.1	1538.6	494.3	172.5	132.0
53.5°	3777.7	3462.2	2612.7	1502.4	446.0	171.7	132.5
54°	3771.1	3457.5	2587.3	1464.4	397.9	170.4	133.7
54.5°	3762.9	3452.5	2560.9	1427.0	355.8	168.4	136.1
55°	3754.6	3447.5	2533.4	1389.5	321.3	166.6	141.1
55.5°	3743.6	3444.1	2505.4	1350.9	294.3	164.8	152.9
56°	3731.8	3438.6	2476.9	1313.1	272.4	160.5	171.1
56.5°	3717.4	3432.6	2450.3	1276.2	252.3	158.2	183.5
57°	3699.8	3426.9	2419.2	1238.2	234.2	156.9	189.7
57.5°	3680.3	3421.3	2388.4	1200.2	221.4	155.4	198.7
58°	3658.9	3413.9	2357.4	1161.4	212.8	152.8	220.9
58.5°	3637.1	3407.0	2326.3	1122.4	206.1	148.3	263.9
59°	3614.1	3398.9	2291.9	1080.1	200.9	141.3	335.1
59.5°	3590.1	3389.3	2260.8	1039.8	196.7	135.5	449.6
60°	3567.5	3379.8	2229.2	999.9	192.5	129.1	566.1
60.5°	3545.3	3369.1	2197.6	957.5	187.9	121.4	682.6
61°	3526.0	3358.9	2167.1	915.4	183.0	114.2	799.1
61.5°	3509.7	3347.9	2134.9	873.7	178.0	108.4	915.6
62°	3495.5	3337.9	2098.9	831.2	173.5	103.5	939.9
62.5°	3485.7	3326.9	2063.4	786.7	169.3	98.9	909.3
63°	3480.9	3316.5	2027.3	745.1	165.2	96.5	854.6
63.5°	3481.0	3306.3	1991.8	702.3	161.2	96.5	801.4
64°	3487.3	3295.6	1958.4	657.1	157.4	99.1	747.4
64.5°	3503.9	3284.8	1926.3	612.2	153.8	105.1	675.5
65°	3532.2	3278.9	1894.7	568.2	150.2	117.2	561.9
65.5°	3579.0	3284.3	1864.0	523.6	146.8	145.5	430.5
66°	3649.3	3304.6	1833.4	483.7	144.1	192.6	322.1
66.5°	3741.3	3337.4	1803.5	449.9	141.3	248.0	240.6
67°	3862.4	3391.8	1774.1	423.2	138.5	305.0	208.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4010.1	3467.2	1745.8	402.1	135.6	361.8	179.8
68°	4150.7	3559.4	1716.1	377.6	132.6	412.2	150.6
68.5°	4248.9	3655.3	1685.8	345.9	129.2	434.8	121.0
69°	4262.6	3764.1	1655.9	320.2	124.9	428.9	108.8
69.5°	4154.2	3860.2	1624.1	301.0	119.4	413.7	99.2
70°	3916.5	3908.0	1593.6	289.4	113.4	393.6	89.9
70.5°	3603.9	3881.9	1564.8	280.4	107.6	373.3	81.1
71°	3269.2	3774.8	1536.3	271.1	101.8	350.4	73.3
71.5°	2921.3	3579.4	1509.0	261.8	96.3	325.9	66.4
72°	2598.4	3307.5	1484.4	252.5	91.4	301.6	60.0
72.5°	2353.9	3000.0	1461.2	243.1	86.2	277.1	54.2
73°	2164.8	2708.8	1438.9	233.2	79.6	253.4	48.7
73.5°	2125.5	2441.2	1418.8	223.2	72.9	229.1	43.3
74°	2223.0	2218.5	1401.3	213.4	67.7	205.4	38.2
74.5°	2367.1	2035.2	1386.9	203.6	62.9	180.1	33.5
75°	2350.6	1966.4	1375.8	193.2	57.9	153.8	29.0
75.5°	2014.7	2024.3	1368.0	182.3	53.7	126.1	24.3
76°	1670.0	2173.7	1369.5	170.3	50.1	100.0	20.3
76.5°	1324.8	2292.6	1384.4	156.7	47.0	78.7	16.4
77°	977.1	2262.6	1413.0	141.8	44.0	62.8	13.6
77.5°	625.7	2017.2	1449.7	126.6	40.1	40.7	12.4
78°	274.8	1588.9	1488.8	111.7	35.4	15.7	11.2
78.5°	260.6	1099.6	1523.9	98.5	31.2	6.1	10.0
79°	255.3	686.1	1539.1	86.2	27.8	4.4	9.0
79.5°	255.2	419.6	1538.7	76.0	24.0	4.2	8.1
80°	252.5	278.5	1521.4	67.6	19.9	4.2	7.4
80.5°	249.0	255.4	1483.0	60.8	16.4	4.4	6.8
81°	235.5	237.5	1419.6	54.6	13.8	4.6	6.4
81.5°	216.6	219.4	1337.2	49.1	11.6	4.8	5.9
82°	198.9	200.8	1229.7	44.0	9.6	4.9	5.5
82.5°	189.8	195.1	1100.6	39.4	7.8	4.9	5.1
83°	182.2	187.2	965.2	35.3	6.0	4.8	4.8
83.5°	171.7	173.5	828.8	31.4	4.5	4.8	4.5
84°	164.5	157.0	732.0	27.8	3.3	4.8	4.3
84.5°	163.1	143.5	635.1	24.6	2.6	4.8	4.2
85°	164.1	131.6	538.3	21.5	2.5	4.8	4.1
85.5°	164.6	120.4	441.5	18.8	2.4	4.7	4.1
86°	163.9	109.6	345.7	16.2	2.3	4.6	4.0
86.5°	162.9	101.6	285.0	13.9	2.3	4.5	4.0
87°	161.6	96.8	236.1	11.8	2.2	4.3	4.0
87.5°	159.6	94.3	200.2	9.9	2.1	4.2	3.9
88°	155.7	94.1	176.8	8.1	2.1	4.0	3.9
88.5°	148.4	95.2	163.2	6.4	2.0	3.8	3.9
89°	136.3	97.0	152.7	5.0	2.0	3.6	3.9
89.5°	120.1	98.9	141.8	3.8	1.9	3.4	3.9

REPORT NUMBER: P1197048

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	103.1	99.9	129.4	2.9	1.9	3.3	3.9
90.5°	87.2	99.3	117.6	2.5	1.9	3.1	4.0
91°	74.2	97.1	103.4	2.4	1.9	3.0	4.1
91.5°	64.4	93.2	89.1	2.3	1.9	2.9	4.2
92°	58.1	88.0	80.4	2.2	1.9	2.8	4.3
92.5°	54.2	81.9	72.6	2.1	1.9	2.8	4.4
93°	51.1	74.9	61.8	2.1	1.9	2.8	4.4
93.5°	48.8	66.3	47.9	2.0	1.9	2.8	4.5
94°	47.5	55.9	36.1	1.9	1.9	2.8	4.6
94.5°	46.3	45.4	24.3	1.9	2.0	2.9	4.7
95°	44.2	35.4	18.5	1.9	2.0	2.9	4.7
95.5°	40.8	26.6	14.2	1.8	2.0	2.9	4.8
96°	36.5	18.8	10.8	1.8	2.1	2.9	4.9
96.5°	31.8	12.0	9.8	1.8	2.1	2.9	5.0
97°	27.1	7.0	9.0	1.8	2.2	3.0	5.1
97.5°	20.9	3.5	8.1	1.8	2.2	3.1	5.3
98°	14.1	2.3	7.3	1.8	2.3	3.2	5.4
98.5°	7.0	1.7	6.6	1.8	2.4	3.3	5.5
99°	2.5	1.4	5.9	1.8	2.5	3.3	5.6
99.5°	1.9	1.3	5.2	1.8	2.5	3.4	5.8
100°	1.5	1.2	4.5	1.8	2.6	3.5	5.9
100.5°	1.4	1.1	4.0	1.8	2.7	3.6	6.0
101°	1.4	1.0	3.6	1.9	2.8	3.7	6.1
101.5°	1.3	1.0	3.2	1.9	2.9	3.9	6.2
102°	1.3	1.0	2.9	2.0	3.0	4.0	6.3
102.5°	1.2	0.9	2.6	2.0	3.1	4.1	6.4
103°	1.2	0.9	2.4	2.1	3.2	4.2	6.6
103.5°	1.1	0.9	2.1	2.1	3.3	4.3	6.7
104°	1.0	0.9	2.0	2.2	3.4	4.4	6.8
104.5°	0.9	0.9	1.8	2.3	3.5	4.6	6.9
105°	0.9	0.9	1.6	2.3	3.6	4.7	7.1
105.5°	0.8	0.9	1.5	2.4	3.7	4.8	7.2
106°	0.8	0.9	1.4	2.5	3.8	4.9	7.3
106.5°	0.8	0.9	1.4	2.5	3.9	5.0	7.4
107°	0.7	0.8	1.3	2.6	4.0	5.2	7.5
107.5°	0.7	0.8	1.2	2.7	4.1	5.3	7.6
108°	0.7	0.8	1.1	2.7	4.2	5.4	7.7
108.5°	0.6	0.7	1.1	2.8	4.3	5.5	7.8
109°	0.6	0.7	1.1	2.8	4.4	5.6	8.0
109.5°	0.6	0.7	1.1	2.9	4.6	5.7	8.1
110°	0.6	0.7	1.1	3.0	4.7	5.8	8.2
110.5°	0.6	0.6	1.1	3.0	4.8	6.0	8.3
111°	0.6	0.6	1.2	3.1	4.9	6.1	8.3
111.5°	0.6	0.6	1.2	3.2	5.0	6.2	8.4
112°	0.6	0.6	1.2	3.3	5.1	6.3	8.5

REPORT NUMBER: P1197048

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1197048

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	2.1	2.7	4.1	6.3	8.8	9.9	10.6
135.5°	2.2	2.7	4.2	6.3	8.8	10.0	10.7
136°	2.2	2.8	4.3	6.4	8.9	10.0	10.7
136.5°	2.3	2.8	4.4	6.5	8.9	10.1	10.8
137°	2.3	2.9	4.5	6.5	8.9	10.1	10.9
137.5°	2.4	3.0	4.5	6.6	9.0	10.2	10.9
138°	2.5	3.1	4.6	6.7	9.0	10.2	10.9
138.5°	2.5	3.2	4.7	6.7	9.0	10.3	11.0
139°	2.6	3.2	4.8	6.8	9.1	10.3	11.0
139.5°	2.7	3.3	4.8	6.9	9.1	10.3	11.0
140°	2.7	3.4	4.9	6.9	9.2	10.4	11.0
140.5°	2.8	3.5	5.0	7.0	9.2	10.4	11.0
141°	2.9	3.6	5.1	7.1	9.2	10.4	11.1
141.5°	2.9	3.7	5.1	7.1	9.3	10.4	11.1
142°	3.0	3.8	5.2	7.2	9.3	10.4	11.1
142.5°	3.1	3.8	5.3	7.2	9.3	10.5	11.1
143°	3.2	3.9	5.4	7.3	9.3	10.5	11.1
143.5°	3.2	4.0	5.5	7.3	9.4	10.5	11.1
144°	3.3	4.1	5.5	7.4	9.4	10.5	11.1
144.5°	3.4	4.2	5.6	7.5	9.4	10.5	11.1
145°	3.5	4.2	5.7	7.5	9.5	10.5	11.1
145.5°	3.5	4.3	5.8	7.6	9.5	10.5	11.1
146°	3.6	4.4	5.8	7.6	9.5	10.5	11.1
146.5°	3.7	4.5	5.9	7.7	9.6	10.5	11.1
147°	3.8	4.5	6.0	7.7	9.6	10.5	11.1
147.5°	3.8	4.6	6.1	7.8	9.6	10.5	11.1
148°	3.9	4.7	6.1	7.9	9.6	10.5	11.1
148.5°	4.0	4.8	6.2	7.9	9.7	10.5	11.1
149°	4.1	4.9	6.3	8.0	9.7	10.5	11.1
149.5°	4.1	4.9	6.3	8.0	9.7	10.5	11.1
150°	4.2	5.0	6.4	8.1	9.8	10.5	11.1
150.5°	4.3	5.1	6.5	8.2	9.8	10.6	11.1
151°	4.3	5.1	6.6	8.2	9.9	10.6	11.1
151.5°	4.4	5.2	6.7	8.3	9.9	10.6	11.1
152°	4.5	5.3	6.7	8.4	9.9	10.6	11.0
152.5°	4.6	5.4	6.8	8.4	10.0	10.6	11.0
153°	4.7	5.5	6.9	8.5	10.0	10.7	11.0
153.5°	4.7	5.5	7.0	8.6	10.1	10.7	11.0
154°	4.8	5.6	7.0	8.6	10.1	10.7	11.0
154.5°	4.9	5.7	7.1	8.7	10.2	10.7	11.0
155°	5.0	5.8	7.2	8.7	10.2	10.8	11.0
155.5°	5.1	5.9	7.3	8.8	10.2	10.8	10.9
156°	5.2	5.9	7.3	8.9	10.2	10.8	10.9
156.5°	5.2	6.0	7.4	8.9	10.3	10.8	10.9
157°	5.3	6.1	7.5	9.0	10.3	10.8	10.9

REPORT NUMBER: P1197048

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1197048
CATALOG NUMBER: AWP75S-BZ-MID-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4

(END OF REPORT)