

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: P1197045

Luminaire Tested: AWP75S-BZ-MID-3000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197045
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-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: 9326.7 lumens
Efficiency: 93.0%
Efficacy: 139.0 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): 67.1
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

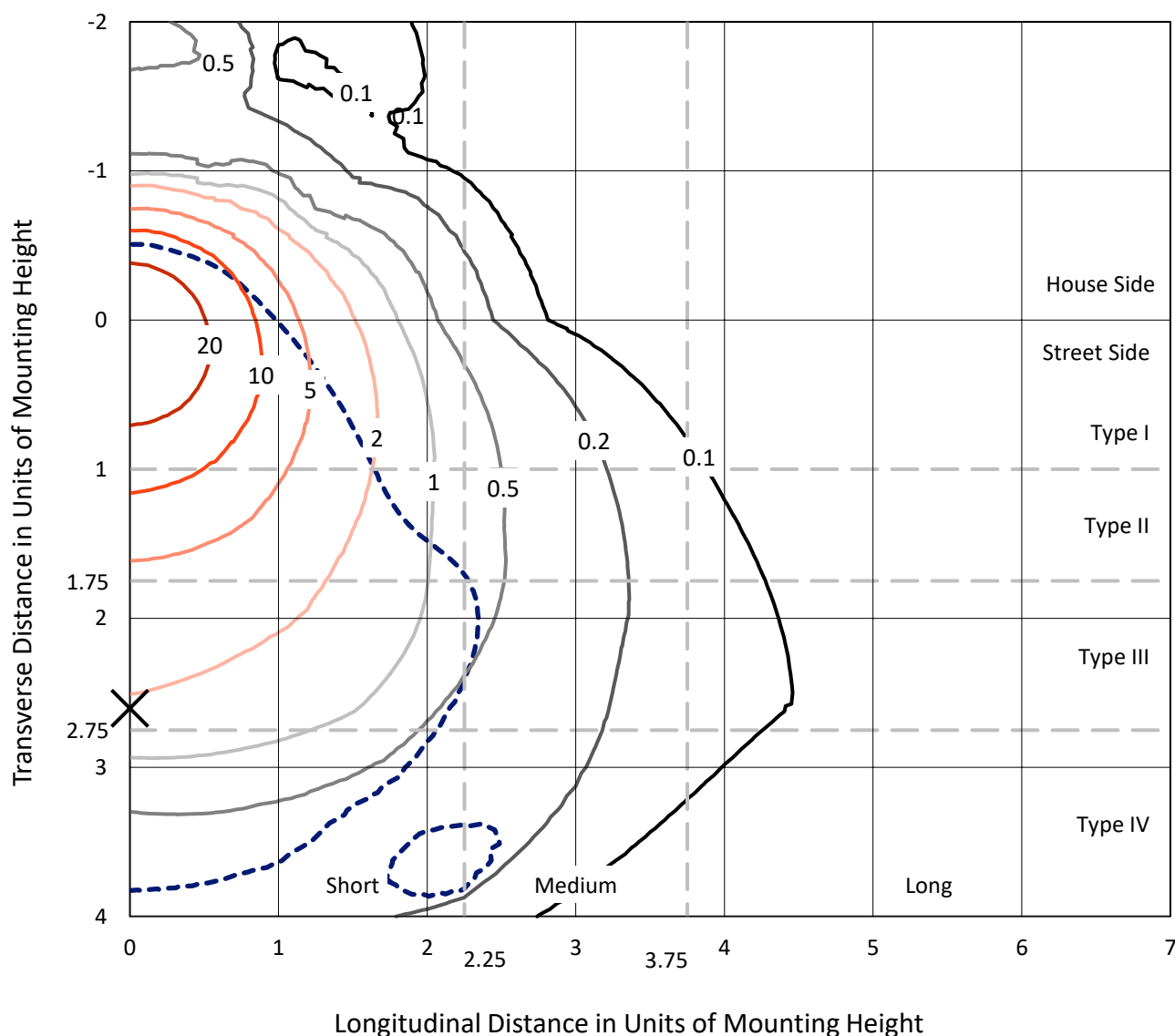
REPORT NUMBER: P1197045

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

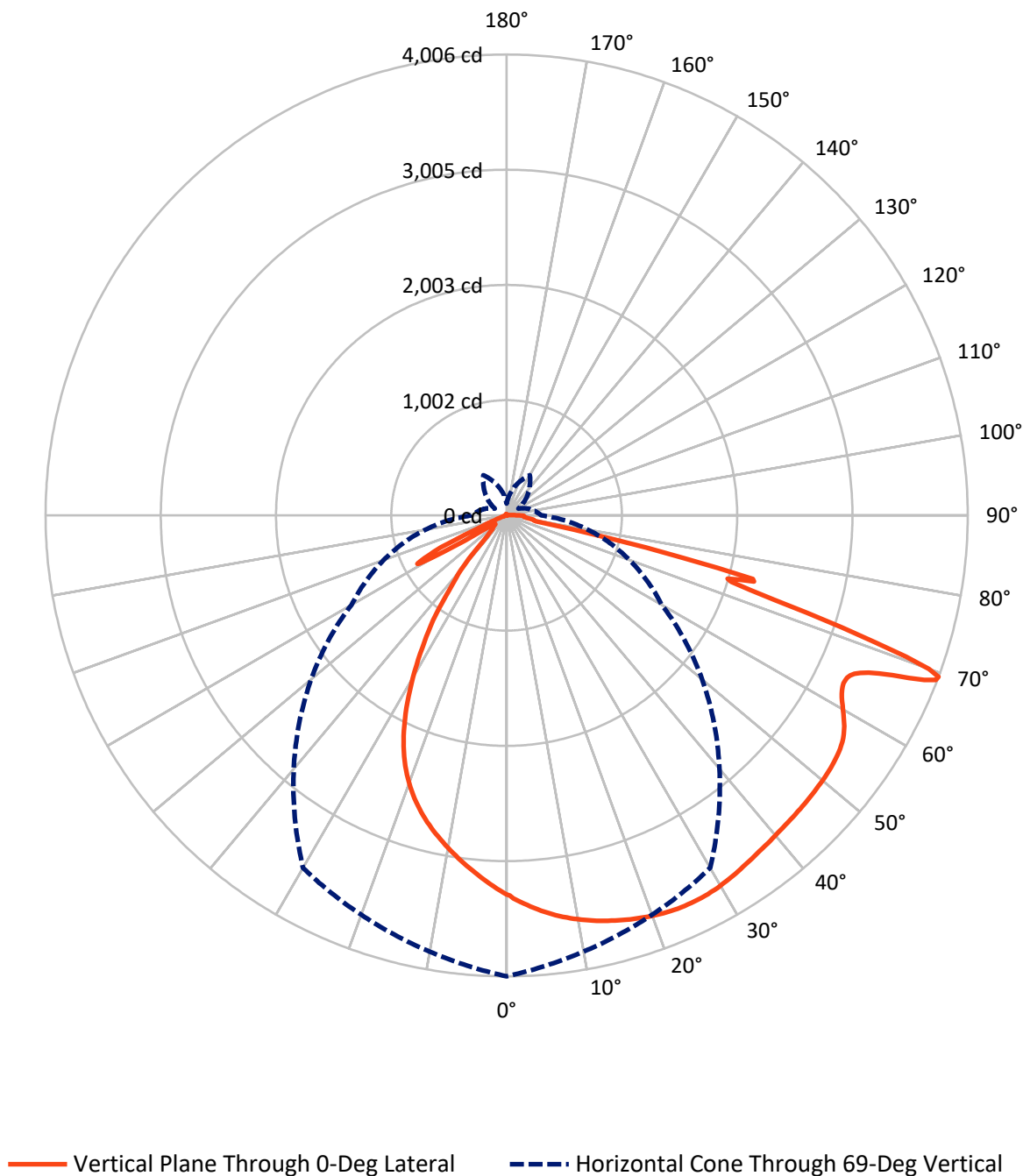


Based on 10 foot mounting height. Maximum calculated value = 34.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P1197045

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1197045

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

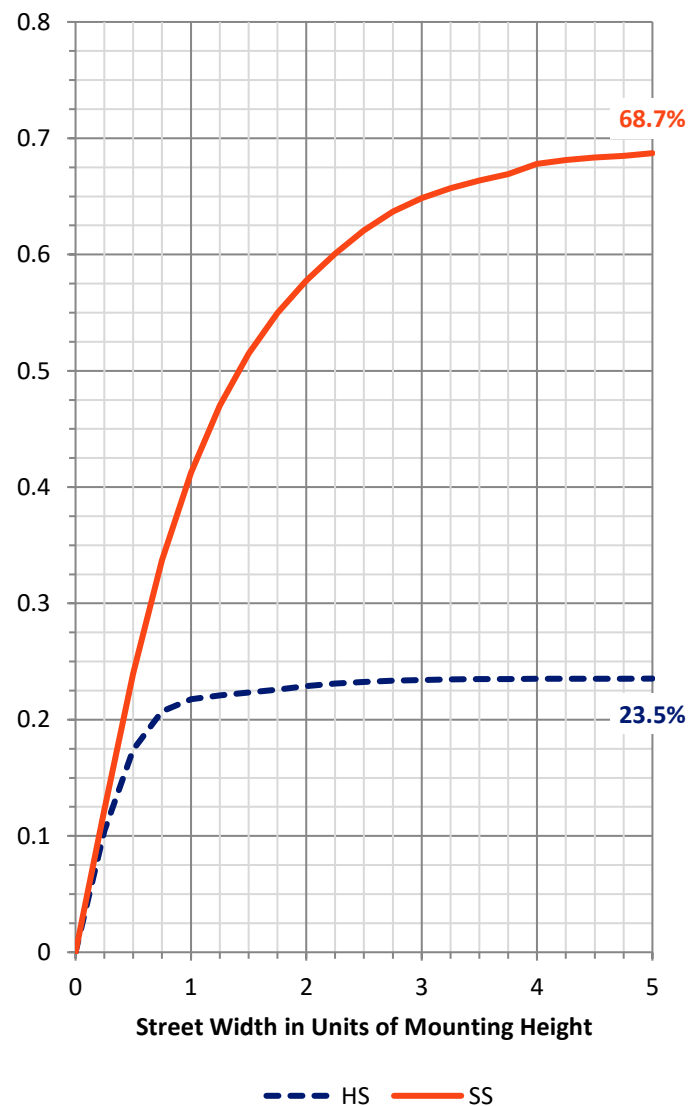
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2374.3	20.2	2394.4
	% Lamp	23.7	0.2	23.9
Street Side	Lumens	6906.2	26.1	6932.3
	% Lamp	68.9	0.3	69.2
Total	Lumens	9280.5	46.2	9326.7
	% Lamp	92.6	0.5	93.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	312.5	3.4	3.1
10°-20°	895.1	9.6	8.9
20°-30°	1345.7	14.4	13.4
30°-40°	1548.6	16.6	15.4
40°-50°	1494.4	16.0	14.9
50°-60°	1383.8	14.8	13.8
60°-70°	1305.8	14.0	13.0
70°-80°	834.9	9.0	8.3
80°-90°	159.7	1.7	1.6
90°-100°	19.3	0.2	0.2
100°-110°	2.9	0.0	0.0
110°-120°	3.6	0.0	0.0
120°-130°	4.3	0.0	0.0
130°-140°	4.6	0.0	0.0
140°-150°	4.4	0.0	0.0
150°-160°	3.7	0.0	0.0
160°-170°	2.5	0.0	0.0
170°-180°	0.9	0.0	0.0
0°-90°	9280.5	99.5	92.6
0°-180°	9326.7	100.0	93.0

Coefficient of Utilization



REPORT NUMBER: P1197045

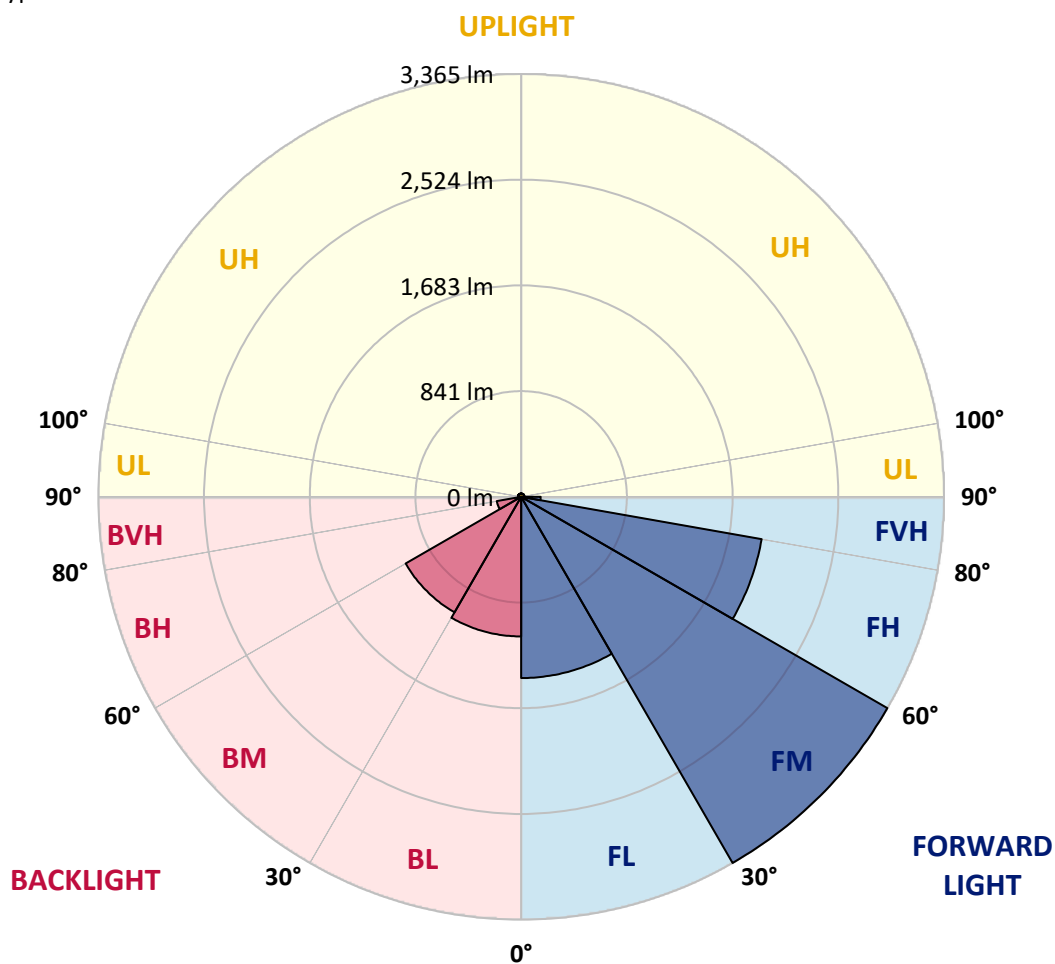
CATALOG NUMBER: AWP75S-BZ-MID-3000K-POSITION 15

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1442.0	14.4			
FM	(30°-60°)	3365.2	33.6			
FH	(60°-80°)	1943.6	19.4			G2/5000
FVH	(80°-90°)	155.4	1.6			G2/225
BL	(0°-30°)	1111.3	11.1	B3/2500		
BM	(30°-60°)	1061.6	10.6	B2/2500		
BH	(60°-80°)	197.1	2.0	B1/500		G1/500
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	19.3	0.2		U2/50	
UH	(100°-180°)	26.9	0.3		U2/50	
Trapped Light		697.3	7.0			

BUG Rating: B3-U2-G2

Type IV Short



REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3303.8	3303.8	3303.8	3303.8	3303.8	3303.8	3303.8
0.5°	3328.1	3327.7	3315.9	3302.6	3289.2	3274.6	3295.0
1°	3344.2	3341.3	3323.5	3302.0	3280.3	3259.9	3277.3
1.5°	3359.6	3354.6	3330.5	3300.8	3271.4	3244.6	3260.9
2°	3375.1	3367.3	3337.3	3299.6	3262.0	3229.8	3244.0
2.5°	3390.0	3380.0	3344.2	3298.0	3252.8	3214.3	3226.5
3°	3404.8	3393.2	3350.4	3295.9	3243.1	3199.0	3209.2
3.5°	3420.3	3404.9	3356.2	3293.9	3233.2	3183.5	3191.3
4°	3434.5	3416.6	3362.0	3291.5	3222.9	3167.4	3173.4
4.5°	3448.5	3428.2	3367.4	3289.0	3212.7	3151.3	3155.2
5°	3462.3	3439.8	3373.3	3285.7	3201.2	3134.8	3137.3
5.5°	3475.7	3450.7	3378.1	3282.2	3189.8	3119.3	3118.8
6°	3488.5	3461.2	3381.7	3278.0	3178.3	3103.2	3100.0
6.5°	3500.4	3471.0	3386.0	3273.3	3165.9	3085.4	3082.1
7°	3512.1	3480.6	3390.2	3268.6	3152.7	3069.2	3064.7
7.5°	3523.4	3489.7	3393.6	3263.1	3140.0	3051.9	3045.8
8°	3534.2	3498.4	3396.3	3257.3	3126.5	3035.5	3027.4
8.5°	3544.5	3506.0	3398.8	3251.5	3113.9	3018.2	3008.4
9°	3554.4	3514.2	3401.0	3245.2	3100.0	3000.8	2989.1
9.5°	3564.4	3522.5	3403.3	3238.3	3085.6	2983.1	2970.9
10°	3573.2	3529.3	3405.0	3231.1	3071.4	2965.6	2952.1
10.5°	3582.7	3536.6	3407.0	3223.8	3057.0	2948.0	2932.9
11°	3591.5	3542.8	3408.3	3215.9	3041.3	2928.9	2913.8
11.5°	3600.3	3548.6	3409.2	3208.6	3026.4	2910.4	2894.6
12°	3608.7	3554.7	3410.5	3200.6	3011.7	2892.3	2875.6
12.5°	3616.7	3560.0	3410.3	3192.1	2996.2	2874.2	2855.9
13°	3623.1	3565.1	3410.7	3184.1	2980.7	2854.5	2835.8
13.5°	3631.0	3570.4	3410.9	3175.5	2965.4	2835.0	2815.3
14°	3638.0	3575.0	3409.7	3167.0	2948.5	2815.8	2794.9
14.5°	3644.4	3578.8	3408.1	3157.3	2932.6	2795.9	2773.2
15°	3652.1	3583.3	3406.6	3148.2	2916.1	2775.7	2752.3
15.5°	3658.8	3587.4	3404.6	3138.3	2899.4	2755.6	2729.9
16°	3665.3	3591.3	3402.8	3127.6	2881.7	2734.1	2708.1
16.5°	3671.7	3594.4	3401.3	3117.2	2864.0	2712.6	2685.5
17°	3677.6	3597.6	3398.8	3106.2	2847.2	2691.4	2661.6
17.5°	3683.1	3601.3	3395.9	3094.8	2829.2	2668.8	2637.6
18°	3688.6	3604.1	3393.5	3083.2	2810.5	2647.1	2613.6
18.5°	3693.8	3606.7	3390.2	3071.6	2792.8	2624.5	2587.4
19°	3699.5	3609.2	3385.6	3059.4	2773.5	2600.9	2561.7
19.5°	3703.9	3611.5	3381.9	3046.8	2754.7	2576.6	2534.2
20°	3708.3	3613.3	3378.0	3033.8	2736.8	2551.8	2505.4
20.5°	3712.2	3615.3	3373.3	3020.4	2717.1	2527.6	2476.4
21°	3715.8	3616.8	3369.2	3007.1	2697.4	2501.3	2445.4
21.5°	3720.0	3617.7	3364.7	2993.1	2677.7	2474.4	2414.6
22°	3722.9	3619.1	3359.0	2979.5	2657.5	2446.0	2381.5

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3725.3	3620.3	3353.4	2965.5	2637.1	2417.2	2348.2
23°	3727.1	3621.2	3348.4	2951.0	2616.2	2387.6	2313.5
23.5°	3728.7	3621.2	3342.5	2935.8	2596.0	2356.4	2275.8
24°	3729.7	3621.0	3336.5	2920.5	2574.2	2324.4	2237.9
24.5°	3730.4	3621.1	3330.4	2904.4	2552.5	2291.3	2198.4
25°	3731.2	3619.6	3323.9	2888.5	2531.1	2257.7	2157.1
25.5°	3731.9	3618.5	3316.8	2872.5	2508.1	2222.8	2115.2
26°	3731.3	3616.6	3309.7	2855.7	2485.0	2185.4	2072.0
26.5°	3730.3	3614.4	3301.9	2838.6	2462.6	2147.2	2025.5
27°	3729.2	3611.7	3294.4	2821.3	2438.3	2108.8	1979.9
27.5°	3727.4	3608.9	3286.2	2804.0	2414.1	2068.7	1932.9
28°	3725.2	3605.0	3277.4	2786.0	2390.0	2027.9	1884.1
28.5°	3722.6	3601.6	3269.0	2767.3	2364.3	1984.0	1834.4
29°	3719.6	3597.2	3260.1	2749.2	2338.6	1939.4	1784.9
29.5°	3716.0	3592.4	3251.3	2729.9	2312.5	1894.9	1732.4
30°	3711.9	3587.1	3242.0	2710.3	2285.4	1849.8	1680.7
30.5°	3708.3	3582.6	3232.1	2691.5	2258.5	1801.7	1627.8
31°	3704.1	3577.3	3222.2	2671.0	2231.0	1754.3	1575.4
31.5°	3699.4	3570.4	3211.9	2649.9	2201.8	1705.8	1521.3
32°	3694.3	3564.2	3201.4	2628.7	2172.3	1654.8	1469.2
32.5°	3689.7	3556.7	3189.8	2607.4	2142.6	1603.7	1416.9
33°	3685.0	3549.4	3177.4	2585.1	2111.1	1553.4	1363.7
33.5°	3679.8	3542.6	3165.4	2563.5	2078.6	1502.3	1312.5
34°	3675.2	3534.3	3153.6	2541.0	2047.2	1451.0	1261.8
34.5°	3670.2	3526.2	3140.4	2518.3	2013.4	1400.5	1212.1
35°	3665.6	3518.4	3127.2	2495.0	1978.4	1348.7	1161.6
35.5°	3661.2	3509.6	3113.7	2471.7	1943.7	1297.0	1112.8
36°	3656.7	3501.1	3099.9	2447.3	1908.2	1246.9	1064.5
36.5°	3652.7	3493.3	3085.3	2423.3	1870.1	1197.4	1004.1
37°	3649.5	3484.9	3071.1	2398.2	1832.3	1147.6	935.6
37.5°	3645.9	3477.0	3056.9	2373.5	1794.3	1100.9	874.7
38°	3642.5	3468.5	3041.9	2348.0	1753.5	1053.6	821.8
38.5°	3638.9	3459.9	3026.2	2322.7	1713.0	1006.8	774.0
39°	3635.5	3451.4	3010.8	2295.7	1672.0	961.4	732.7
39.5°	3631.8	3443.4	2995.2	2270.4	1629.0	919.1	695.8
40°	3629.1	3435.5	2978.8	2243.0	1584.2	872.4	660.9
40.5°	3627.1	3427.4	2962.9	2215.9	1541.7	817.8	619.9
41°	3623.5	3420.0	2946.3	2189.0	1497.4	759.4	565.2
41.5°	3620.9	3411.8	2929.4	2161.4	1451.1	706.0	497.1
42°	3619.1	3404.6	2912.3	2132.3	1405.3	660.6	418.4
42.5°	3616.5	3396.8	2894.9	2104.0	1360.0	622.3	346.2
43°	3614.2	3388.9	2877.4	2074.8	1314.6	586.6	289.1
43.5°	3612.0	3381.5	2859.4	2046.7	1271.6	547.0	249.6
44°	3609.3	3374.3	2841.1	2017.0	1227.0	500.3	232.7
44.5°	3607.2	3367.3	2822.8	1987.9	1182.4	441.2	216.9

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3605.5	3360.5	2804.6	1958.4	1138.2	374.6	201.2
45.5°	3603.9	3353.4	2785.7	1928.6	1094.8	311.3	185.4
46°	3601.5	3346.5	2766.9	1898.9	1049.7	257.7	176.9
46.5°	3599.4	3340.0	2748.5	1868.9	1006.9	239.6	171.2
47°	3596.8	3332.4	2729.9	1836.6	963.4	221.7	167.4
47.5°	3593.6	3325.2	2710.2	1806.3	914.4	203.9	164.7
48°	3590.8	3318.2	2690.9	1775.5	868.2	186.0	162.8
48.5°	3588.3	3311.5	2670.4	1743.2	824.1	180.0	161.2
49°	3585.7	3304.8	2650.1	1711.1	781.9	175.7	159.4
49.5°	3583.7	3299.3	2630.0	1679.1	743.3	172.3	156.6
50°	3580.6	3293.0	2609.7	1645.5	706.9	169.4	151.9
50.5°	3578.1	3287.9	2589.3	1613.8	670.6	167.0	145.6
51°	3573.9	3282.4	2567.4	1582.0	634.4	165.1	139.2
51.5°	3570.4	3276.6	2545.5	1549.1	600.6	163.8	134.0
52°	3566.2	3270.6	2523.5	1514.8	555.2	163.1	127.4
52.5°	3561.9	3265.4	2501.5	1481.7	509.9	162.6	124.5
53°	3556.6	3259.5	2478.5	1446.0	464.5	162.1	124.1
53.5°	3550.5	3254.0	2455.5	1412.0	419.2	161.4	124.5
54°	3544.3	3249.6	2431.7	1376.3	374.0	160.2	125.7
54.5°	3536.6	3244.9	2406.9	1341.2	334.4	158.3	127.9
55°	3528.8	3240.2	2381.1	1305.9	302.0	156.6	132.6
55.5°	3518.5	3237.0	2354.7	1269.7	276.6	154.9	143.7
56°	3507.4	3231.8	2327.9	1234.2	256.0	150.8	160.8
56.5°	3493.8	3226.2	2302.9	1199.4	237.1	148.7	172.5
57°	3477.3	3220.8	2273.7	1163.7	220.2	147.5	178.3
57.5°	3459.0	3215.6	2244.8	1128.0	208.1	146.1	186.8
58°	3438.8	3208.6	2215.7	1091.5	200.0	143.6	207.6
58.5°	3418.4	3202.1	2186.4	1054.9	193.7	139.4	248.1
59°	3396.8	3194.5	2154.0	1015.1	188.8	132.8	314.9
59.5°	3374.2	3185.5	2124.9	977.2	184.9	127.3	422.6
60°	3353.0	3176.5	2095.1	939.8	180.9	121.3	532.1
60.5°	3332.1	3166.5	2065.4	899.9	176.6	114.1	641.6
61°	3314.0	3156.9	2036.8	860.4	172.0	107.3	751.0
61.5°	3298.6	3146.5	2006.5	821.2	167.3	101.8	860.6
62°	3285.3	3137.2	1972.7	781.2	163.0	97.3	883.4
62.5°	3276.1	3126.8	1939.3	739.4	159.1	92.9	854.7
63°	3271.6	3117.0	1905.3	700.3	155.3	90.7	803.2
63.5°	3271.7	3107.5	1872.0	660.0	151.5	90.7	753.2
64°	3277.6	3097.4	1840.6	617.6	147.9	93.1	702.4
64.5°	3293.2	3087.2	1810.5	575.4	144.5	98.8	634.9
65°	3319.8	3081.7	1780.8	534.0	141.1	110.1	528.1
65.5°	3363.8	3086.8	1751.9	492.1	138.0	136.7	404.7
66°	3429.9	3105.9	1723.1	454.6	135.4	181.0	302.7
66.5°	3516.3	3136.7	1695.0	422.9	132.8	233.1	226.1
67°	3630.1	3187.8	1667.4	397.8	130.2	286.7	196.3

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3768.9	3258.7	1640.8	378.0	127.4	340.1	169.0
68°	3901.1	3345.4	1612.9	354.9	124.7	387.4	141.5
68.5°	3993.3	3435.5	1584.4	325.1	121.4	408.7	113.7
69°	4006.2	3537.7	1556.4	300.9	117.4	403.1	102.3
69.5°	3904.4	3628.1	1526.4	282.9	112.2	388.8	93.2
70°	3681.0	3673.0	1497.8	272.0	106.6	369.9	84.5
70.5°	3387.2	3648.5	1470.7	263.6	101.1	350.8	76.3
71°	3072.6	3547.8	1443.9	254.8	95.6	329.3	68.9
71.5°	2745.7	3364.1	1418.2	246.0	90.5	306.3	62.4
72°	2442.2	3108.6	1395.1	237.3	85.9	283.4	56.4
72.5°	2212.3	2819.6	1373.4	228.5	81.0	260.4	50.9
73°	2034.6	2545.9	1352.3	219.2	74.8	238.1	45.8
73.5°	1997.6	2294.4	1333.5	209.7	68.5	215.3	40.7
74°	2089.3	2085.1	1317.0	200.6	63.6	193.1	35.9
74.5°	2224.7	1912.8	1303.5	191.3	59.1	169.3	31.5
75°	2209.2	1848.2	1293.1	181.6	54.4	144.5	27.3
75.5°	1893.6	1902.5	1285.7	171.3	50.4	118.5	22.9
76°	1569.6	2043.0	1287.1	160.1	47.1	93.9	19.0
76.5°	1245.1	2154.8	1301.1	147.2	44.2	74.0	15.4
77°	918.4	2126.5	1328.0	133.3	41.3	59.0	12.8
77.5°	588.1	1895.9	1362.5	119.0	37.7	38.3	11.7
78°	258.3	1493.3	1399.3	105.0	33.3	14.7	10.5
78.5°	245.0	1033.5	1432.2	92.5	29.3	5.7	9.4
79°	240.0	644.9	1446.5	81.0	26.2	4.1	8.4
79.5°	239.9	394.3	1446.2	71.5	22.6	3.9	7.6
80°	237.3	261.7	1429.9	63.5	18.7	4.0	6.9
80.5°	234.0	240.0	1393.8	57.1	15.4	4.1	6.4
81°	221.3	223.3	1334.2	51.3	13.0	4.3	6.0
81.5°	203.5	206.2	1256.8	46.2	10.9	4.5	5.6
82°	186.9	188.7	1155.7	41.3	9.0	4.6	5.2
82.5°	178.4	183.4	1034.4	37.0	7.3	4.6	4.8
83°	171.3	175.9	907.1	33.1	5.7	4.6	4.5
83.5°	161.4	163.0	779.0	29.5	4.2	4.5	4.3
84°	154.6	147.6	688.0	26.1	3.1	4.5	4.1
84.5°	153.3	134.8	596.9	23.1	2.5	4.5	4.0
85°	154.2	123.7	505.9	20.2	2.3	4.5	3.9
85.5°	154.7	113.2	414.9	17.6	2.3	4.4	3.8
86°	154.1	103.0	324.9	15.2	2.2	4.3	3.8
86.5°	153.1	95.5	267.9	13.1	2.1	4.2	3.7
87°	151.9	90.9	221.9	11.1	2.1	4.1	3.7
87.5°	150.0	88.6	188.2	9.3	2.0	3.9	3.7
88°	146.3	88.4	166.2	7.6	1.9	3.8	3.7
88.5°	139.5	89.5	153.4	6.0	1.9	3.6	3.7
89°	128.1	91.2	143.5	4.7	1.8	3.4	3.7
89.5°	112.9	93.0	133.3	3.5	1.8	3.2	3.7

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	96.9	93.9	121.6	2.7	1.8	3.1	3.7
90.5°	82.0	93.4	110.5	2.4	1.8	3.0	3.8
91°	69.7	91.3	97.2	2.3	1.8	2.8	3.9
91.5°	60.6	87.6	83.8	2.2	1.8	2.7	3.9
92°	54.6	82.7	75.5	2.1	1.8	2.7	4.0
92.5°	50.9	77.0	68.2	2.0	1.8	2.7	4.1
93°	48.0	70.4	58.1	1.9	1.8	2.6	4.2
93.5°	45.8	62.3	45.1	1.9	1.8	2.6	4.3
94°	44.6	52.5	34.0	1.8	1.8	2.7	4.3
94.5°	43.5	42.7	22.9	1.8	1.9	2.7	4.4
95°	41.5	33.3	17.4	1.8	1.9	2.7	4.5
95.5°	38.4	25.0	13.4	1.7	1.9	2.7	4.5
96°	34.3	17.6	10.1	1.7	2.0	2.7	4.6
96.5°	29.9	11.3	9.2	1.7	2.0	2.8	4.7
97°	25.5	6.5	8.4	1.7	2.0	2.8	4.8
97.5°	19.6	3.3	7.6	1.7	2.1	2.9	4.9
98°	13.2	2.1	6.9	1.7	2.2	3.0	5.1
98.5°	6.5	1.6	6.2	1.7	2.2	3.1	5.2
99°	2.4	1.3	5.5	1.7	2.3	3.1	5.3
99.5°	1.8	1.2	4.8	1.7	2.4	3.2	5.4
100°	1.4	1.1	4.3	1.7	2.5	3.3	5.5
100.5°	1.3	1.0	3.8	1.7	2.5	3.4	5.6
101°	1.3	1.0	3.4	1.8	2.6	3.5	5.7
101.5°	1.2	0.9	3.0	1.8	2.7	3.6	5.8
102°	1.2	0.9	2.7	1.8	2.8	3.7	5.9
102.5°	1.1	0.9	2.5	1.9	2.9	3.8	6.1
103°	1.1	0.9	2.2	2.0	3.0	3.9	6.2
103.5°	1.0	0.9	2.0	2.0	3.1	4.1	6.3
104°	0.9	0.9	1.8	2.1	3.2	4.2	6.4
104.5°	0.9	0.8	1.7	2.1	3.3	4.3	6.5
105°	0.8	0.8	1.6	2.2	3.4	4.4	6.7
105.5°	0.8	0.8	1.4	2.2	3.5	4.5	6.7
106°	0.7	0.8	1.4	2.3	3.6	4.6	6.8
106.5°	0.7	0.8	1.3	2.4	3.7	4.7	6.9
107°	0.7	0.8	1.2	2.4	3.8	4.8	7.0
107.5°	0.6	0.8	1.1	2.5	3.9	5.0	7.1
108°	0.6	0.7	1.1	2.5	4.0	5.1	7.3
108.5°	0.6	0.7	1.1	2.6	4.1	5.2	7.4
109°	0.6	0.7	1.1	2.7	4.2	5.3	7.5
109.5°	0.6	0.6	1.1	2.7	4.3	5.4	7.6
110°	0.6	0.6	1.1	2.8	4.4	5.5	7.7
110.5°	0.6	0.6	1.1	2.9	4.5	5.6	7.8
111°	0.6	0.6	1.1	2.9	4.6	5.7	7.8
111.5°	0.6	0.6	1.1	3.0	4.7	5.8	7.9
112°	0.5	0.6	1.1	3.1	4.8	5.9	8.0

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.5	0.6	1.2	3.1	4.9	6.0	8.1
113°	0.6	0.6	1.2	3.2	5.0	6.1	8.2
113.5°	0.6	0.6	1.2	3.3	5.1	6.2	8.3
114°	0.6	0.6	1.3	3.3	5.2	6.4	8.3
114.5°	0.6	0.6	1.3	3.4	5.3	6.5	8.4
115°	0.6	0.6	1.4	3.4	5.4	6.6	8.5
115.5°	0.6	0.6	1.4	3.5	5.5	6.7	8.6
116°	0.6	0.6	1.5	3.6	5.6	6.8	8.6
116.5°	0.6	0.6	1.5	3.6	5.7	6.9	8.7
117°	0.6	0.7	1.6	3.7	5.9	7.0	8.8
117.5°	0.7	0.7	1.7	3.7	5.9	7.1	8.9
118°	0.7	0.7	1.7	3.8	6.1	7.2	8.9
118.5°	0.7	0.8	1.8	3.8	6.1	7.3	9.0
119°	0.7	0.8	1.8	3.9	6.2	7.4	9.0
119.5°	0.8	0.9	1.9	4.0	6.3	7.5	9.1
120°	0.8	0.9	1.9	4.0	6.4	7.5	9.1
120.5°	0.8	0.9	2.0	4.1	6.5	7.6	9.2
121°	0.8	1.0	2.1	4.1	6.6	7.7	9.3
121.5°	0.9	1.0	2.1	4.2	6.6	7.7	9.3
122°	0.9	1.1	2.2	4.2	6.7	7.8	9.4
122.5°	0.9	1.1	2.2	4.3	6.8	7.9	9.4
123°	0.9	1.1	2.3	4.4	6.9	8.0	9.5
123.5°	1.0	1.2	2.4	4.4	6.9	8.0	9.5
124°	1.0	1.2	2.4	4.5	7.0	8.1	9.5
124.5°	1.0	1.3	2.5	4.5	7.1	8.2	9.5
125°	1.1	1.3	2.6	4.6	7.2	8.2	9.5
125.5°	1.1	1.4	2.6	4.7	7.3	8.3	9.6
126°	1.1	1.4	2.7	4.7	7.3	8.3	9.6
126.5°	1.2	1.5	2.7	4.8	7.4	8.4	9.6
127°	1.2	1.6	2.8	4.8	7.5	8.5	9.6
127.5°	1.3	1.6	2.9	4.9	7.5	8.5	9.6
128°	1.3	1.7	2.9	5.0	7.6	8.6	9.6
128.5°	1.3	1.7	3.0	5.0	7.6	8.6	9.6
129°	1.4	1.8	3.1	5.1	7.7	8.7	9.6
129.5°	1.4	1.8	3.1	5.2	7.7	8.7	9.7
130°	1.5	1.9	3.2	5.2	7.8	8.8	9.7
130.5°	1.5	1.9	3.3	5.3	7.8	8.8	9.7
131°	1.6	2.0	3.3	5.4	7.9	8.9	9.7
131.5°	1.6	2.1	3.4	5.4	7.9	8.9	9.7
132°	1.7	2.1	3.5	5.5	8.0	9.0	9.7
132.5°	1.7	2.2	3.6	5.6	8.0	9.0	9.8
133°	1.8	2.2	3.6	5.6	8.1	9.1	9.8
133.5°	1.8	2.3	3.7	5.7	8.1	9.2	9.9
134°	1.9	2.4	3.8	5.8	8.1	9.2	9.9
134.5°	1.9	2.4	3.8	5.8	8.2	9.3	10.0

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	2.0	2.5	3.9	5.9	8.2	9.3	10.0
135.5°	2.0	2.5	4.0	6.0	8.3	9.4	10.0
136°	2.1	2.6	4.1	6.0	8.3	9.4	10.1
136.5°	2.1	2.7	4.1	6.1	8.4	9.5	10.1
137°	2.2	2.7	4.2	6.1	8.4	9.5	10.2
137.5°	2.3	2.8	4.3	6.2	8.4	9.6	10.2
138°	2.3	2.9	4.3	6.3	8.5	9.6	10.3
138.5°	2.4	3.0	4.4	6.3	8.5	9.6	10.3
139°	2.4	3.0	4.5	6.4	8.5	9.7	10.3
139.5°	2.5	3.1	4.5	6.5	8.6	9.7	10.4
140°	2.6	3.2	4.6	6.5	8.6	9.7	10.4
140.5°	2.6	3.3	4.7	6.6	8.6	9.7	10.4
141°	2.7	3.4	4.8	6.6	8.7	9.8	10.4
141.5°	2.8	3.4	4.8	6.7	8.7	9.8	10.4
142°	2.8	3.5	4.9	6.7	8.7	9.8	10.4
142.5°	2.9	3.6	5.0	6.8	8.8	9.8	10.4
143°	3.0	3.7	5.1	6.8	8.8	9.8	10.4
143.5°	3.0	3.8	5.1	6.9	8.8	9.8	10.4
144°	3.1	3.8	5.2	7.0	8.8	9.8	10.4
144.5°	3.2	3.9	5.3	7.0	8.9	9.8	10.4
145°	3.3	4.0	5.3	7.1	8.9	9.9	10.4
145.5°	3.3	4.1	5.4	7.1	8.9	9.9	10.4
146°	3.4	4.1	5.5	7.2	9.0	9.9	10.4
146.5°	3.5	4.2	5.5	7.2	9.0	9.9	10.4
147°	3.5	4.3	5.6	7.3	9.0	9.9	10.4
147.5°	3.6	4.3	5.7	7.4	9.0	9.9	10.4
148°	3.7	4.4	5.8	7.4	9.1	9.9	10.4
148.5°	3.7	4.5	5.8	7.4	9.1	9.9	10.4
149°	3.8	4.6	5.9	7.5	9.1	9.9	10.4
149.5°	3.9	4.6	6.0	7.5	9.2	9.9	10.4
150°	4.0	4.7	6.0	7.6	9.2	9.9	10.4
150.5°	4.0	4.8	6.1	7.7	9.2	9.9	10.4
151°	4.1	4.8	6.2	7.7	9.3	10.0	10.4
151.5°	4.2	4.9	6.3	7.8	9.3	10.0	10.4
152°	4.2	5.0	6.3	7.9	9.3	10.0	10.4
152.5°	4.3	5.1	6.4	7.9	9.4	10.0	10.4
153°	4.4	5.1	6.5	8.0	9.4	10.0	10.3
153.5°	4.5	5.2	6.5	8.0	9.5	10.1	10.3
154°	4.5	5.3	6.6	8.1	9.5	10.1	10.3
154.5°	4.6	5.4	6.7	8.2	9.5	10.1	10.3
155°	4.7	5.4	6.8	8.2	9.6	10.1	10.3
155.5°	4.8	5.5	6.8	8.3	9.6	10.1	10.3
156°	4.8	5.6	6.9	8.3	9.6	10.1	10.3
156.5°	4.9	5.6	7.0	8.4	9.7	10.1	10.3
157°	5.0	5.7	7.0	8.4	9.7	10.1	10.3

REPORT NUMBER: P1197045

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	5.1	5.8	7.1	8.5	9.7	10.1	10.3
158°	5.2	5.9	7.2	8.5	9.7	10.1	10.3
158.5°	5.2	5.9	7.2	8.6	9.7	10.1	10.3
159°	5.3	6.0	7.3	8.6	9.8	10.1	10.3
159.5°	5.4	6.1	7.4	8.7	9.8	10.2	10.2
160°	5.5	6.2	7.4	8.7	9.8	10.2	10.2
160.5°	5.6	6.3	7.5	8.8	9.8	10.2	10.2
161°	5.7	6.3	7.6	8.8	9.9	10.2	10.2
161.5°	5.7	6.4	7.6	8.8	9.9	10.2	10.2
162°	5.8	6.5	7.7	8.9	9.9	10.2	10.2
162.5°	5.9	6.6	7.8	8.9	9.9	10.2	10.2
163°	6.0	6.7	7.9	8.9	9.9	10.2	10.1
163.5°	6.1	6.7	7.9	9.0	9.9	10.2	10.1
164°	6.2	6.8	8.0	9.1	9.9	10.2	10.1
164.5°	6.3	6.9	8.1	9.1	10.0	10.2	10.0
165°	6.4	7.0	8.1	9.1	10.0	10.2	10.0
165.5°	6.5	7.1	8.2	9.2	10.0	10.2	10.0
166°	6.6	7.2	8.3	9.2	10.0	10.2	10.0
166.5°	6.7	7.2	8.3	9.3	10.1	10.2	10.0
167°	6.8	7.3	8.4	9.3	10.1	10.2	10.0
167.5°	6.8	7.4	8.5	9.3	10.1	10.2	10.0
168°	7.0	7.5	8.6	9.4	10.1	10.2	10.0
168.5°	7.1	7.6	8.6	9.4	10.1	10.2	10.0
169°	7.2	7.7	8.7	9.5	10.1	10.2	9.9
169.5°	7.3	7.8	8.8	9.5	10.1	10.2	9.9
170°	7.4	7.9	8.8	9.5	10.1	10.2	9.9
170.5°	7.5	8.0	8.9	9.6	10.1	10.2	9.9
171°	7.6	8.1	8.9	9.6	10.1	10.2	9.8
171.5°	7.6	8.1	9.0	9.6	10.1	10.2	9.8
172°	7.7	8.2	9.0	9.6	10.1	10.2	9.7
172.5°	7.8	8.3	9.1	9.6	10.1	10.2	9.7
173°	7.9	8.3	9.1	9.6	10.1	10.2	9.6
173.5°	8.0	8.4	9.2	9.7	10.1	10.2	9.6
174°	8.0	8.5	9.2	9.7	10.1	10.2	9.6
174.5°	8.1	8.6	9.3	9.7	10.0	10.2	9.5
175°	8.2	8.7	9.3	9.7	10.0	10.1	9.4
175.5°	8.3	8.7	9.4	9.8	10.0	10.1	9.4
176°	8.3	8.8	9.4	9.8	10.0	10.1	9.3
176.5°	8.4	8.8	9.5	9.8	10.0	10.1	9.3
177°	8.5	8.9	9.5	9.8	10.0	10.0	9.2
177.5°	8.5	9.0	9.5	9.8	10.0	10.0	9.2
178°	8.6	9.1	9.6	9.8	10.0	10.0	9.1
178.5°	8.7	9.1	9.6	9.8	10.0	9.9	9.1
179°	8.8	9.2	9.7	9.9	10.0	9.9	9.0
179.5°	8.8	9.2	9.7	9.9	10.0	9.9	9.0



REPORT NUMBER: P1197045
CATALOG NUMBER: AWP75S-BZ-MID-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	8.9	8.9	8.9	8.9	8.9	8.9	8.9

(END OF REPORT)