

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: P1197049

Luminaire Tested: AWP75S-BZ-HIGH-5000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197049
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-5000K-POSITION 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 10024 (1 lamp)
Luminaire Lumens: 10874.9 lumens
Efficiency: 108.5%
Efficacy: 143.7 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): 75.7
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

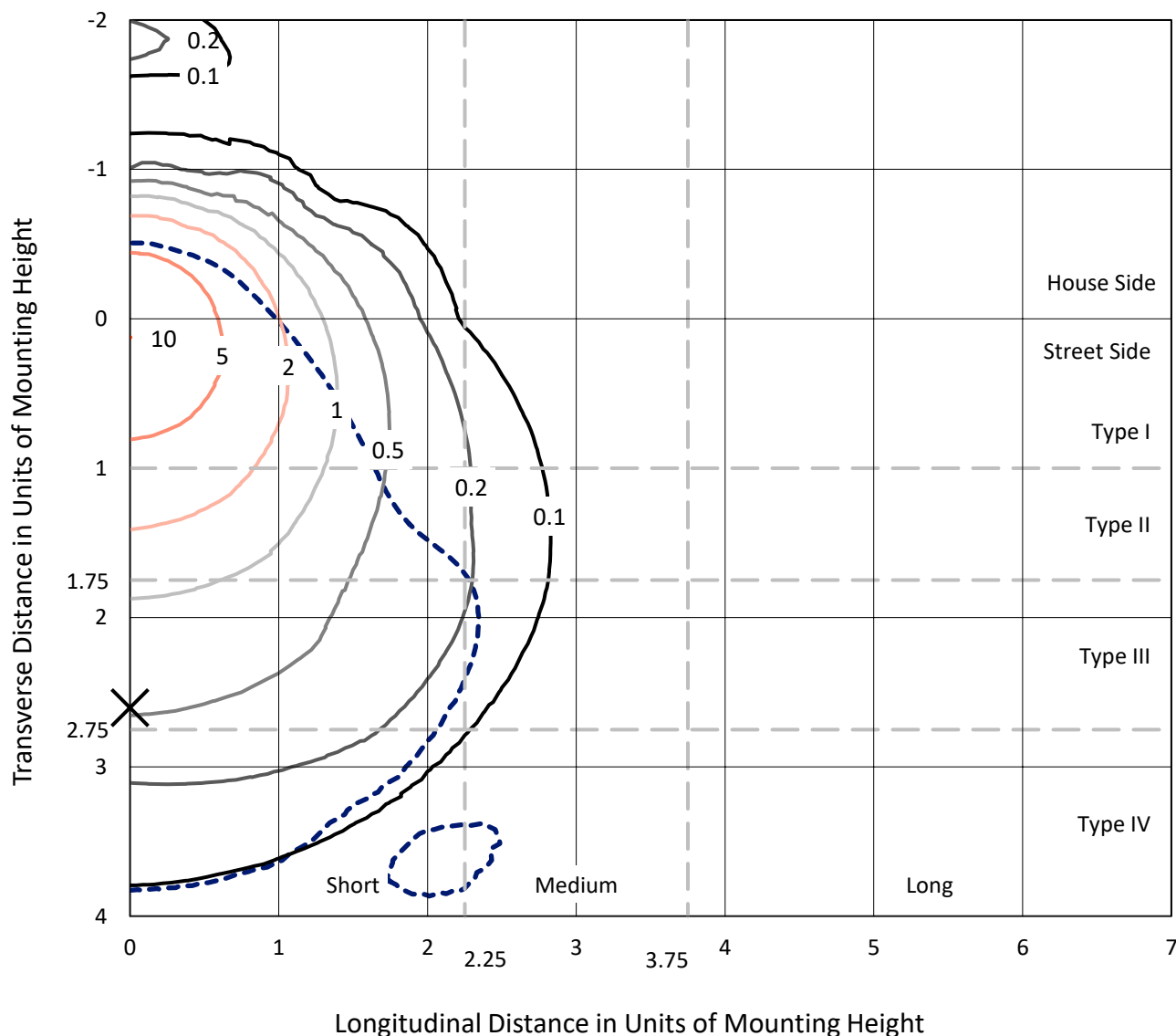
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

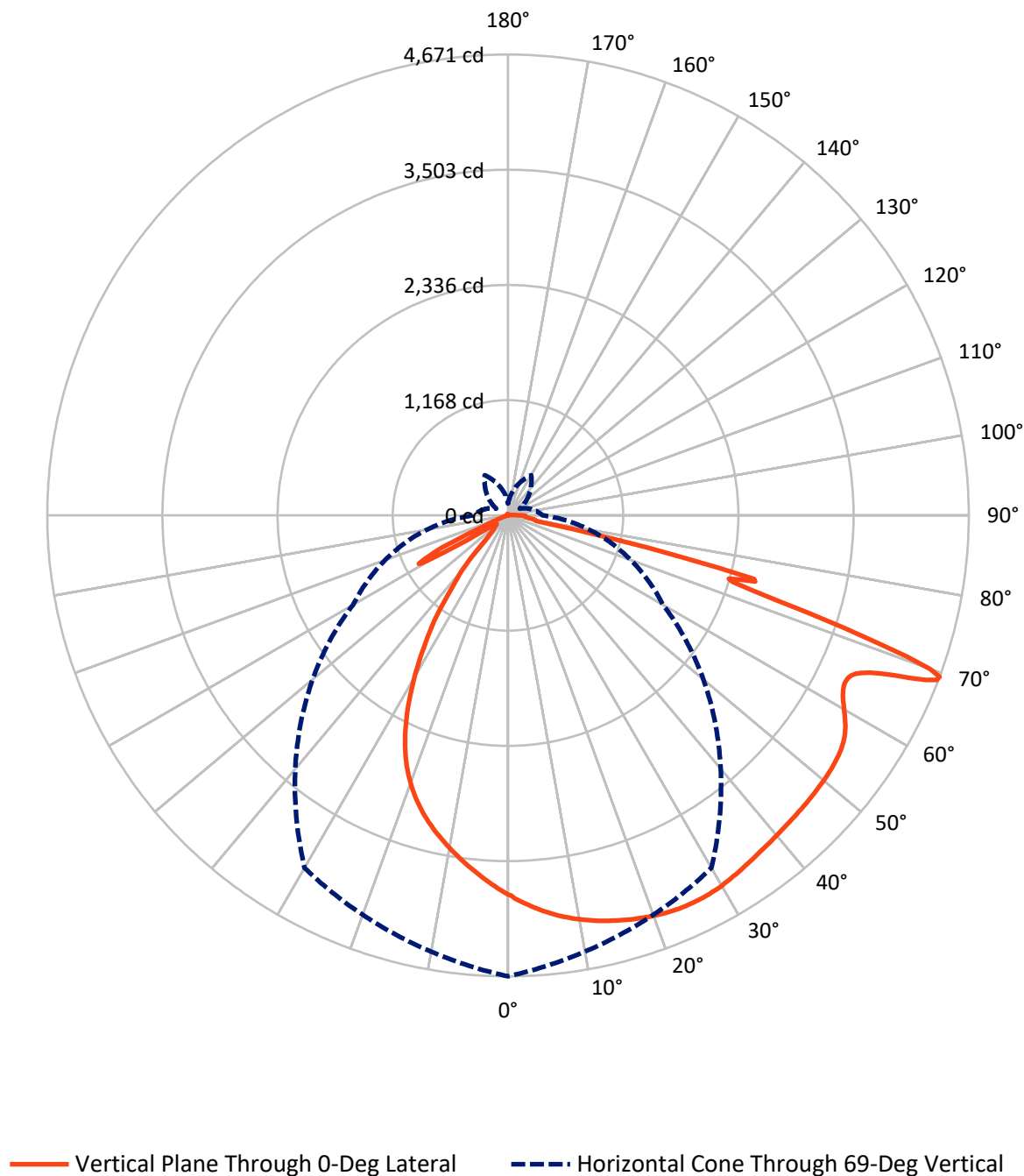


Based on 20 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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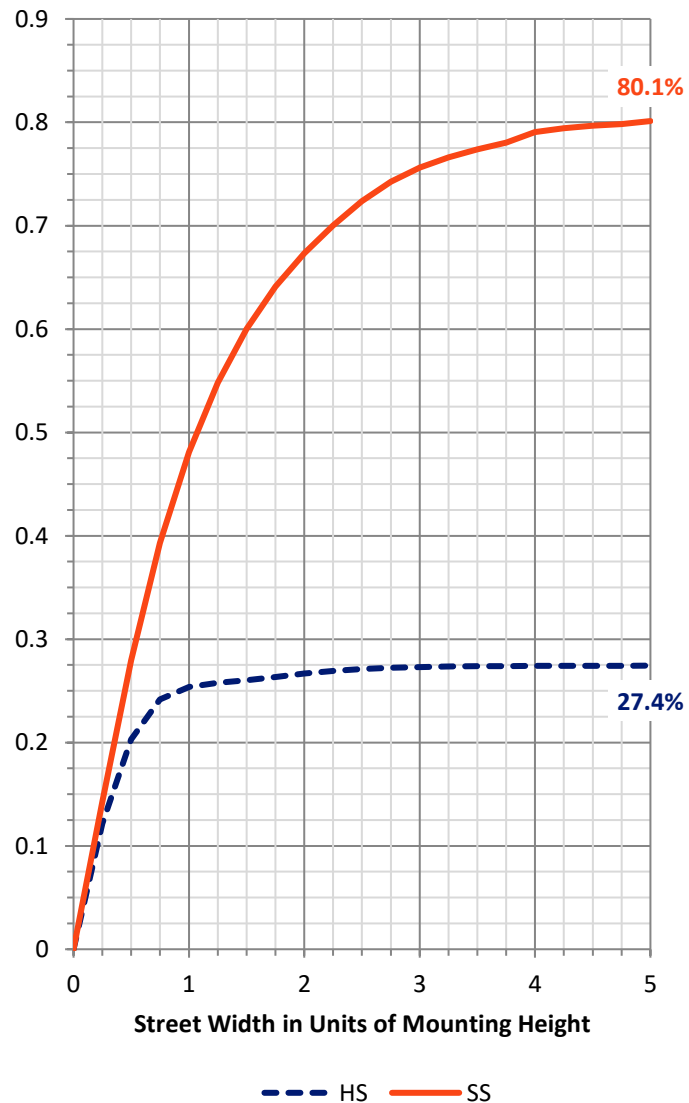
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2768.4	23.5	2791.9
	% Lamp	27.6	0.2	27.9
Street Side	Lumens	8052.6	30.4	8083.0
	% Lamp	80.3	0.3	80.6
Total	Lumens	10821.0	53.9	10874.9
	% Lamp	108.0	0.5	108.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	364.4	3.4	3.6
10°-20°	1043.7	9.6	10.4
20°-30°	1569.0	14.4	15.7
30°-40°	1805.6	16.6	18.0
40°-50°	1742.4	16.0	17.4
50°-60°	1613.5	14.8	16.1
60°-70°	1522.5	14.0	15.2
70°-80°	973.5	9.0	9.7
80°-90°	186.2	1.7	1.9
90°-100°	22.5	0.2	0.2
100°-110°	3.4	0.0	0.0
110°-120°	4.2	0.0	0.0
120°-130°	5.1	0.0	0.1
130°-140°	5.4	0.0	0.1
140°-150°	5.1	0.0	0.1
150°-160°	4.3	0.0	0.0
160°-170°	2.9	0.0	0.0
170°-180°	1.0	0.0	0.0
0°-90°	10821.0	99.5	108.0
0°-180°	10874.9	100.0	108.5

Coefficient of Utilization



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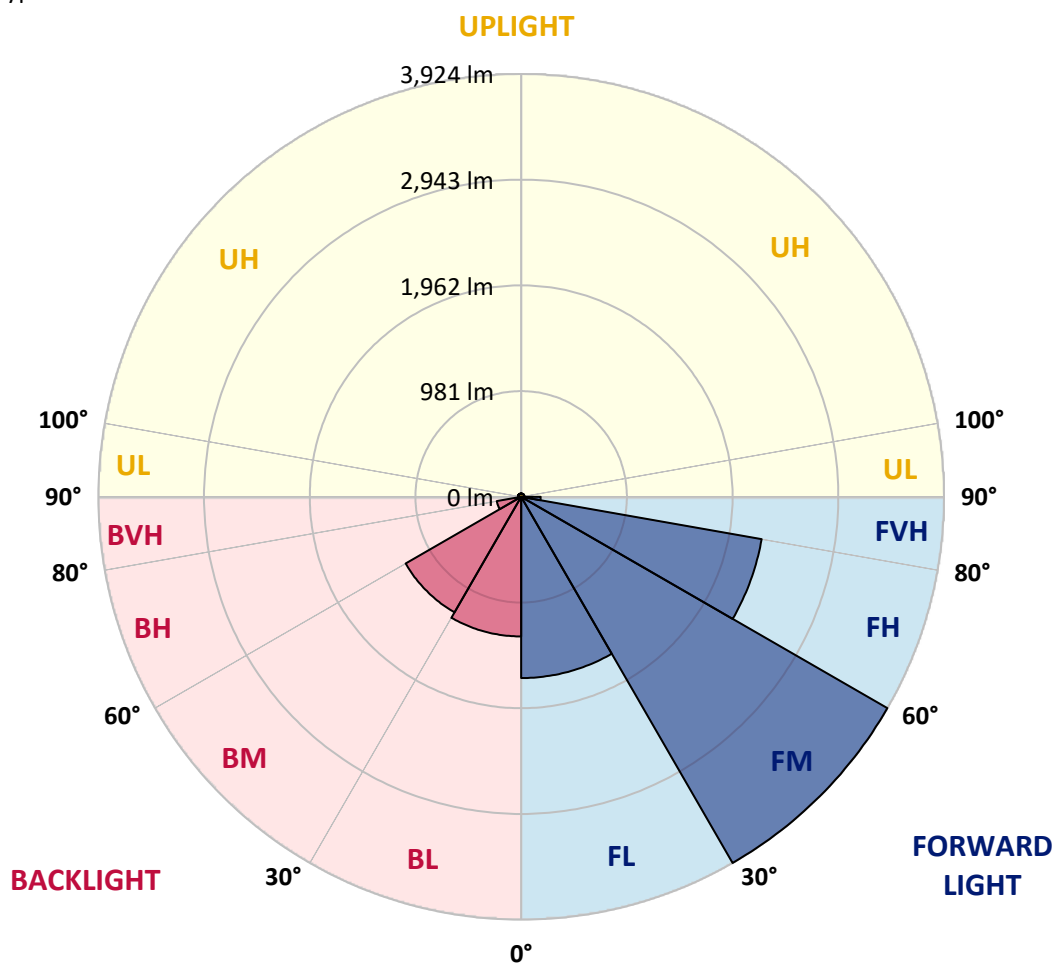
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1681.4	16.8			
FM	(30°-60°)	3923.8	39.1			
FH	(60°-80°)	2266.2	22.6			G2/5000
FVH	(80°-90°)	181.2	1.8			G2/225
BL	(0°-30°)	1295.7	12.9	B3/2500		
BM	(30°-60°)	1237.8	12.3	B2/2500		
BH	(60°-80°)	229.8	2.3	B1/500		G1/500
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	22.5	0.2		U2/50	
UH	(100°-180°)	31.4	0.3		U2/50	
Trapped Light		-850.9	-8.5			

BUG Rating: B3-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3852.2	3852.2	3852.2	3852.2	3852.2	3852.2	3852.2
0.5°	3880.5	3880.1	3866.3	3850.8	3835.2	3818.2	3841.9
1°	3899.3	3896.0	3875.2	3850.1	3824.9	3801.1	3821.3
1.5°	3917.2	3911.5	3883.4	3848.7	3814.4	3783.1	3802.2
2°	3935.3	3926.2	3891.2	3847.3	3803.4	3765.9	3782.4
2.5°	3952.7	3941.1	3899.3	3845.4	3792.8	3747.8	3762.1
3°	3970.0	3956.5	3906.6	3843.0	3781.4	3730.0	3741.9
3.5°	3988.0	3970.1	3913.3	3840.6	3769.9	3711.9	3721.1
4°	4004.6	3983.7	3920.0	3837.9	3757.9	3693.2	3700.2
4.5°	4021.0	3997.3	3926.3	3834.9	3746.0	3674.4	3678.9
5°	4037.1	4010.8	3933.2	3831.1	3732.5	3655.1	3658.0
5.5°	4052.6	4023.5	3938.9	3827.0	3719.2	3637.1	3636.5
6°	4067.6	4035.7	3943.1	3822.2	3705.8	3618.3	3614.5
6.5°	4081.5	4047.2	3948.0	3816.6	3691.5	3597.6	3593.7
7°	4095.0	4058.3	3952.9	3811.2	3676.0	3578.6	3573.5
7.5°	4108.2	4068.9	3956.9	3804.8	3661.3	3558.5	3551.3
8°	4120.9	4079.1	3960.1	3798.0	3645.5	3539.3	3530.0
8.5°	4132.9	4087.9	3962.9	3791.2	3630.7	3519.2	3507.7
9°	4144.4	4097.5	3965.6	3783.8	3614.5	3498.9	3485.3
9.5°	4156.0	4107.2	3968.2	3775.8	3597.8	3478.3	3464.1
10°	4166.3	4115.2	3970.2	3767.4	3581.2	3457.9	3442.1
10.5°	4177.5	4123.6	3972.5	3759.0	3564.4	3437.4	3419.8
11°	4187.7	4130.9	3974.0	3749.7	3546.1	3415.1	3397.5
11.5°	4198.0	4137.7	3975.1	3741.2	3528.7	3393.5	3375.1
12°	4207.7	4144.8	3976.6	3731.9	3511.6	3372.4	3353.0
12.5°	4217.0	4150.9	3976.4	3722.0	3493.5	3351.3	3330.0
13°	4224.6	4156.9	3976.8	3712.6	3475.4	3328.3	3306.5
13.5°	4233.7	4163.1	3977.0	3702.6	3457.6	3305.6	3282.6
14°	4241.8	4168.4	3975.7	3692.7	3438.0	3283.2	3258.8
14.5°	4249.4	4172.9	3973.8	3681.4	3419.4	3260.0	3233.5
15°	4258.4	4178.0	3972.1	3670.8	3400.2	3236.4	3209.2
15.5°	4266.1	4182.9	3969.8	3659.3	3380.7	3213.0	3183.1
16°	4273.7	4187.4	3967.6	3646.7	3360.1	3187.9	3157.6
16.5°	4281.2	4191.0	3965.9	3634.6	3339.4	3162.8	3131.2
17°	4288.0	4194.8	3963.0	3621.8	3319.8	3138.1	3103.4
17.5°	4294.4	4199.1	3959.6	3608.5	3298.9	3111.8	3075.4
18°	4300.9	4202.4	3956.9	3595.0	3277.0	3086.5	3047.4
18.5°	4306.9	4205.4	3952.9	3581.5	3256.4	3060.2	3016.9
19°	4313.6	4208.2	3947.6	3567.2	3233.9	3032.6	2987.0
19.5°	4318.8	4210.9	3943.3	3552.5	3212.0	3004.3	2954.9
20°	4323.8	4213.1	3938.7	3537.4	3191.1	2975.4	2921.3
20.5°	4328.4	4215.4	3933.2	3521.7	3168.2	2947.1	2887.4
21°	4332.6	4217.1	3928.5	3506.2	3145.2	2916.5	2851.4
21.5°	4337.5	4218.2	3923.2	3490.0	3122.2	2885.1	2815.4
22°	4340.9	4219.8	3916.6	3474.0	3098.7	2852.1	2776.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	4343.7	4221.2	3910.1	3457.8	3074.8	2818.5	2737.9
23°	4345.8	4222.3	3904.2	3440.8	3050.5	2783.9	2697.5
23.5°	4347.6	4222.3	3897.3	3423.1	3027.0	2747.5	2653.6
24°	4348.7	4222.0	3890.3	3405.2	3001.5	2710.3	2609.3
24.5°	4349.7	4222.1	3883.2	3386.5	2976.2	2671.6	2563.3
25°	4350.6	4220.4	3875.7	3368.0	2951.2	2632.5	2515.1
25.5°	4351.4	4219.1	3867.4	3349.3	2924.4	2591.8	2466.3
26°	4350.6	4216.9	3859.1	3329.8	2897.5	2548.2	2415.9
26.5°	4349.4	4214.3	3850.0	3309.8	2871.3	2503.6	2361.7
27°	4348.2	4211.2	3841.2	3289.6	2843.1	2458.8	2308.6
27.5°	4346.2	4208.0	3831.7	3269.5	2814.8	2412.1	2253.7
28°	4343.5	4203.4	3821.4	3248.5	2786.7	2364.5	2196.9
28.5°	4340.5	4199.5	3811.6	3226.7	2756.8	2313.4	2139.0
29°	4337.1	4194.3	3801.3	3205.5	2726.8	2261.3	2081.2
29.5°	4332.9	4188.7	3791.0	3183.0	2696.3	2209.4	2020.0
30°	4328.1	4182.5	3780.2	3160.2	2664.8	2156.9	1959.7
30.5°	4323.9	4177.3	3768.6	3138.2	2633.3	2100.8	1898.0
31°	4319.0	4171.1	3757.1	3114.4	2601.3	2045.5	1836.9
31.5°	4313.4	4163.0	3745.0	3089.8	2567.2	1989.0	1773.8
32°	4307.6	4155.8	3732.8	3065.1	2532.9	1929.5	1713.1
32.5°	4302.1	4147.1	3719.3	3040.2	2498.3	1869.9	1652.1
33°	4296.6	4138.6	3704.8	3014.2	2461.5	1811.3	1590.1
33.5°	4290.6	4130.6	3690.9	2989.0	2423.7	1751.7	1530.3
34°	4285.2	4121.0	3677.1	2962.8	2387.1	1691.9	1471.3
34.5°	4279.4	4111.5	3661.7	2936.3	2347.6	1633.0	1413.3
35°	4274.1	4102.5	3646.3	2909.1	2306.8	1572.6	1354.5
35.5°	4269.0	4092.2	3630.5	2882.0	2266.3	1512.3	1297.5
36°	4263.7	4082.3	3614.5	2853.6	2225.0	1453.9	1241.2
36.5°	4259.1	4073.1	3597.5	2825.5	2180.5	1396.2	1170.7
37°	4255.3	4063.3	3580.9	2796.3	2136.5	1338.1	1090.9
37.5°	4251.1	4054.2	3564.3	2767.5	2092.1	1283.7	1019.9
38°	4247.1	4044.3	3546.8	2737.7	2044.6	1228.4	958.2
38.5°	4243.0	4034.2	3528.5	2708.2	1997.3	1173.9	902.5
39°	4238.9	4024.3	3510.6	2676.8	1949.5	1121.0	854.3
39.5°	4234.7	4014.9	3492.3	2647.2	1899.4	1071.6	811.3
40°	4231.6	4005.8	3473.3	2615.3	1847.2	1017.2	770.6
40.5°	4229.1	3996.3	3454.8	2583.7	1797.6	953.5	722.8
41°	4225.0	3987.7	3435.3	2552.3	1746.0	885.4	659.1
41.5°	4222.0	3978.2	3415.7	2520.1	1692.0	823.2	579.7
42°	4219.8	3969.8	3395.8	2486.2	1638.6	770.2	487.9
42.5°	4216.8	3960.6	3375.5	2453.3	1585.7	725.6	403.7
43°	4214.1	3951.5	3355.0	2419.2	1532.8	684.0	337.1
43.5°	4211.6	3942.8	3334.1	2386.4	1482.7	637.8	291.0
44°	4208.4	3934.4	3312.7	2351.8	1430.6	583.4	271.3
44.5°	4206.0	3926.3	3291.4	2317.9	1378.7	514.5	252.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4204.0	3918.3	3270.2	2283.5	1327.2	436.8	234.6
45.5°	4202.2	3910.0	3248.1	2248.7	1276.5	363.0	216.2
46°	4199.4	3902.0	3226.2	2214.1	1223.9	300.4	206.3
46.5°	4196.9	3894.4	3204.7	2179.2	1174.1	279.4	199.6
47°	4193.9	3885.5	3183.0	2141.5	1123.3	258.5	195.1
47.5°	4190.1	3877.2	3160.1	2106.2	1066.2	237.7	192.1
48°	4186.9	3869.0	3137.6	2070.3	1012.3	216.9	189.8
48.5°	4183.9	3861.2	3113.7	2032.6	960.9	209.8	188.0
49°	4180.9	3853.3	3090.0	1995.1	911.6	204.8	185.9
49.5°	4178.5	3847.0	3066.6	1957.8	866.7	200.9	182.5
50°	4175.0	3839.7	3042.9	1918.7	824.2	197.5	177.1
50.5°	4172.0	3833.6	3019.1	1881.7	781.9	194.7	169.8
51°	4167.2	3827.3	2993.6	1844.6	739.7	192.5	162.3
51.5°	4163.1	3820.5	2968.0	1806.2	700.3	191.0	156.2
52°	4158.2	3813.4	2942.4	1766.2	647.4	190.2	148.6
52.5°	4153.2	3807.4	2916.8	1727.7	594.5	189.5	145.1
53°	4147.0	3800.5	2889.9	1686.1	541.6	189.0	144.7
53.5°	4139.9	3794.1	2863.1	1646.4	488.8	188.2	145.2
54°	4132.6	3789.0	2835.4	1604.8	436.1	186.8	146.5
54.5°	4123.6	3783.5	2806.4	1563.8	389.9	184.6	149.1
55°	4114.6	3778.1	2776.3	1522.7	352.1	182.6	154.6
55.5°	4102.5	3774.3	2745.6	1480.4	322.6	180.6	167.6
56°	4089.5	3768.2	2714.3	1439.0	298.5	175.8	187.5
56.5°	4073.8	3761.7	2685.2	1398.5	276.4	173.4	201.1
57°	4054.5	3755.4	2651.2	1356.9	256.7	172.0	207.9
57.5°	4033.2	3749.3	2617.4	1315.2	242.7	170.3	217.8
58°	4009.6	3741.2	2583.5	1272.7	233.2	167.5	242.0
58.5°	3985.8	3733.6	2549.3	1230.0	225.8	162.5	289.2
59°	3960.6	3724.8	2511.6	1183.6	220.2	154.9	367.2
59.5°	3934.3	3714.3	2477.6	1139.4	215.6	148.5	492.8
60°	3909.5	3703.8	2442.9	1095.8	211.0	141.5	620.4
60.5°	3885.2	3692.1	2408.2	1049.3	205.9	133.0	748.0
61°	3864.0	3680.9	2374.8	1003.2	200.5	125.1	875.7
61.5°	3846.2	3668.8	2339.6	957.5	195.1	118.8	1003.4
62°	3830.6	3658.0	2300.1	910.8	190.1	113.4	1030.1
62.5°	3819.9	3645.9	2261.3	862.1	185.5	108.4	996.5
63°	3814.6	3634.5	2221.6	816.5	181.0	105.7	936.6
63.5°	3814.7	3623.3	2182.8	769.6	176.7	105.8	878.2
64°	3821.6	3611.5	2146.1	720.1	172.5	108.6	819.1
64.5°	3839.8	3599.7	2111.0	670.9	168.5	115.1	740.3
65°	3870.8	3593.3	2076.4	622.7	164.6	128.4	615.7
65.5°	3922.2	3599.2	2042.7	573.8	160.9	159.4	471.8
66°	3999.2	3621.4	2009.1	530.1	157.9	211.1	353.0
66.5°	4099.9	3657.4	1976.4	493.1	154.8	271.8	263.7
67°	4232.7	3717.0	1944.2	463.8	151.8	334.3	228.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4394.5	3799.6	1913.2	440.7	148.6	396.5	197.0
68°	4548.6	3900.7	1880.6	413.8	145.3	451.7	165.0
68.5°	4656.2	4005.8	1847.4	379.1	141.6	476.5	132.6
69°	4671.2	4124.9	1814.7	350.9	136.8	470.0	119.3
69.5°	4552.5	4230.3	1779.8	329.9	130.8	453.4	108.7
70°	4292.0	4282.6	1746.4	317.1	124.3	431.3	98.6
70.5°	3949.4	4254.1	1714.9	307.3	117.9	409.1	88.9
71°	3582.6	4136.7	1683.6	297.1	111.5	384.0	80.3
71.5°	3201.4	3922.5	1653.6	286.9	105.5	357.1	72.8
72°	2847.6	3624.6	1626.7	276.7	100.2	330.5	65.8
72.5°	2579.6	3287.7	1601.3	266.5	94.4	303.6	59.3
73°	2372.4	2968.5	1576.8	255.6	87.2	277.7	53.4
73.5°	2329.2	2675.3	1554.8	244.5	79.9	251.0	47.4
74°	2436.1	2431.2	1535.6	233.9	74.2	225.1	41.9
74.5°	2594.0	2230.4	1519.9	223.1	68.9	197.4	36.7
75°	2576.0	2155.0	1507.7	211.8	63.5	168.5	31.8
75.5°	2207.9	2218.4	1499.2	199.7	58.8	138.2	26.7
76°	1830.1	2382.1	1500.8	186.6	54.9	109.5	22.2
76.5°	1451.8	2512.4	1517.1	171.7	51.5	86.2	18.0
77°	1070.8	2479.5	1548.4	155.4	48.2	68.8	15.0
77.5°	685.7	2210.6	1588.7	138.8	43.9	44.6	13.6
78°	301.2	1741.2	1631.5	122.4	38.8	17.2	12.3
78.5°	285.6	1205.0	1670.0	107.9	34.2	6.7	11.0
79°	279.8	751.9	1686.6	94.4	30.5	4.8	9.8
79.5°	279.7	459.8	1686.2	83.3	26.3	4.6	8.8
80°	276.7	305.2	1667.3	74.1	21.9	4.6	8.1
80.5°	272.9	279.9	1625.2	66.6	18.0	4.8	7.5
81°	258.0	260.3	1555.7	59.8	15.1	5.0	7.0
81.5°	237.3	240.4	1465.4	53.8	12.7	5.2	6.5
82°	217.9	220.0	1347.6	48.2	10.5	5.3	6.0
82.5°	208.0	213.8	1206.1	43.2	8.5	5.3	5.6
83°	199.7	205.1	1057.7	38.6	6.6	5.3	5.2
83.5°	188.2	190.1	908.3	34.4	4.9	5.3	5.0
84°	180.2	172.1	802.2	30.5	3.7	5.3	4.8
84.5°	178.8	157.2	696.0	26.9	2.9	5.3	4.6
85°	179.8	144.2	589.9	23.6	2.7	5.3	4.5
85.5°	180.3	132.0	483.8	20.6	2.6	5.2	4.4
86°	179.6	120.2	378.9	17.7	2.6	5.0	4.4
86.5°	178.5	111.4	312.3	15.3	2.5	4.9	4.4
87°	177.1	106.0	258.8	12.9	2.4	4.7	4.3
87.5°	174.9	103.4	219.4	10.9	2.3	4.6	4.3
88°	170.6	103.1	193.8	8.9	2.3	4.4	4.3
88.5°	162.6	104.4	178.9	7.0	2.2	4.2	4.3
89°	149.3	106.3	167.3	5.5	2.1	4.0	4.3
89.5°	131.7	108.4	155.4	4.1	2.1	3.8	4.3

REPORT NUMBER: P1197049

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	113.0	109.5	141.8	3.1	2.1	3.6	4.3
90.5°	95.6	108.9	128.8	2.8	2.1	3.5	4.4
91°	81.3	106.4	113.3	2.6	2.1	3.3	4.5
91.5°	70.6	102.1	97.7	2.5	2.1	3.2	4.6
92°	63.6	96.4	88.1	2.4	2.1	3.1	4.7
92.5°	59.4	89.7	79.6	2.3	2.1	3.1	4.8
93°	56.0	82.1	67.7	2.3	2.1	3.1	4.9
93.5°	53.4	72.7	52.5	2.2	2.1	3.1	5.0
94°	52.0	61.2	39.6	2.1	2.1	3.1	5.0
94.5°	50.7	49.8	26.7	2.1	2.2	3.1	5.1
95°	48.4	38.8	20.3	2.0	2.2	3.1	5.2
95.5°	44.8	29.1	15.6	2.0	2.2	3.2	5.3
96°	40.0	20.6	11.8	2.0	2.3	3.2	5.4
96.5°	34.9	13.1	10.8	2.0	2.3	3.2	5.5
97°	29.7	7.6	9.8	2.0	2.4	3.3	5.6
97.5°	22.9	3.9	8.9	2.0	2.5	3.4	5.8
98°	15.4	2.5	8.0	2.0	2.5	3.5	5.9
98.5°	7.6	1.9	7.2	2.0	2.6	3.6	6.0
99°	2.7	1.5	6.4	2.0	2.7	3.7	6.2
99.5°	2.1	1.4	5.7	2.0	2.8	3.8	6.3
100°	1.7	1.3	5.0	2.0	2.9	3.9	6.4
100.5°	1.5	1.2	4.4	2.0	3.0	4.0	6.5
101°	1.5	1.1	3.9	2.1	3.1	4.1	6.7
101.5°	1.5	1.1	3.5	2.1	3.1	4.2	6.8
102°	1.4	1.1	3.1	2.2	3.2	4.3	6.9
102.5°	1.3	1.0	2.9	2.2	3.4	4.5	7.1
103°	1.3	1.0	2.6	2.3	3.5	4.6	7.2
103.5°	1.2	1.0	2.4	2.3	3.6	4.7	7.4
104°	1.1	1.0	2.1	2.4	3.7	4.9	7.5
104.5°	1.0	1.0	2.0	2.5	3.8	5.0	7.6
105°	1.0	1.0	1.8	2.6	3.9	5.1	7.8
105.5°	0.9	1.0	1.7	2.6	4.0	5.2	7.9
106°	0.9	1.0	1.6	2.7	4.2	5.4	8.0
106.5°	0.8	0.9	1.5	2.8	4.3	5.5	8.1
107°	0.8	0.9	1.4	2.8	4.4	5.7	8.2
107.5°	0.8	0.9	1.3	2.9	4.5	5.8	8.3
108°	0.7	0.8	1.2	2.9	4.6	5.9	8.5
108.5°	0.7	0.8	1.2	3.0	4.8	6.0	8.6
109°	0.7	0.8	1.2	3.1	4.9	6.2	8.7
109.5°	0.7	0.7	1.2	3.2	5.0	6.3	8.8
110°	0.7	0.7	1.3	3.3	5.1	6.4	9.0
110.5°	0.7	0.7	1.3	3.3	5.2	6.5	9.0
111°	0.7	0.7	1.3	3.4	5.3	6.6	9.1
111.5°	0.6	0.7	1.3	3.5	5.5	6.8	9.2
112°	0.6	0.7	1.3	3.6	5.6	6.9	9.3

REPORT NUMBER: P1197049

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 15

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1197049

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	2.3	2.9	4.5	6.9	9.6	10.9	11.6
135.5°	2.4	3.0	4.6	6.9	9.7	10.9	11.7
136°	2.4	3.0	4.7	7.0	9.7	11.0	11.8
136.5°	2.5	3.1	4.8	7.1	9.8	11.0	11.8
137°	2.6	3.2	4.9	7.2	9.8	11.1	11.9
137.5°	2.6	3.3	5.0	7.2	9.8	11.2	11.9
138°	2.7	3.4	5.1	7.3	9.9	11.2	12.0
138.5°	2.8	3.5	5.1	7.4	9.9	11.2	12.0
139°	2.8	3.5	5.2	7.5	10.0	11.3	12.1
139.5°	2.9	3.6	5.3	7.5	10.0	11.3	12.1
140°	3.0	3.7	5.4	7.6	10.0	11.3	12.1
140.5°	3.1	3.8	5.5	7.7	10.1	11.4	12.1
141°	3.1	4.0	5.6	7.7	10.1	11.4	12.1
141.5°	3.2	4.0	5.6	7.8	10.1	11.4	12.1
142°	3.3	4.1	5.7	7.9	10.2	11.4	12.1
142.5°	3.4	4.2	5.8	7.9	10.2	11.5	12.1
143°	3.5	4.3	5.9	8.0	10.2	11.5	12.1
143.5°	3.5	4.4	6.0	8.0	10.3	11.5	12.1
144°	3.6	4.5	6.1	8.1	10.3	11.5	12.1
144.5°	3.7	4.6	6.1	8.2	10.3	11.5	12.1
145°	3.8	4.6	6.2	8.2	10.4	11.5	12.1
145.5°	3.9	4.7	6.3	8.3	10.4	11.5	12.1
146°	4.0	4.8	6.4	8.4	10.4	11.5	12.1
146.5°	4.0	4.9	6.5	8.4	10.5	11.5	12.1
147°	4.1	5.0	6.6	8.5	10.5	11.5	12.1
147.5°	4.2	5.1	6.6	8.6	10.5	11.5	12.1
148°	4.3	5.2	6.7	8.6	10.6	11.5	12.1
148.5°	4.4	5.2	6.8	8.7	10.6	11.5	12.1
149°	4.4	5.3	6.9	8.7	10.6	11.5	12.1
149.5°	4.5	5.4	7.0	8.8	10.7	11.5	12.1
150°	4.6	5.5	7.0	8.9	10.7	11.6	12.1
150.5°	4.7	5.5	7.1	8.9	10.8	11.6	12.1
151°	4.8	5.6	7.2	9.0	10.8	11.6	12.1
151.5°	4.8	5.7	7.3	9.1	10.8	11.6	12.1
152°	4.9	5.8	7.4	9.2	10.9	11.6	12.1
152.5°	5.0	5.9	7.5	9.2	10.9	11.7	12.1
153°	5.1	6.0	7.5	9.3	11.0	11.7	12.1
153.5°	5.2	6.1	7.6	9.4	11.0	11.7	12.1
154°	5.3	6.2	7.7	9.5	11.1	11.8	12.0
154.5°	5.4	6.2	7.8	9.5	11.1	11.8	12.0
155°	5.5	6.3	7.9	9.6	11.2	11.8	12.0
155.5°	5.6	6.4	8.0	9.6	11.2	11.8	12.0
156°	5.6	6.5	8.0	9.7	11.2	11.8	12.0
156.5°	5.7	6.6	8.1	9.8	11.3	11.8	12.0
157°	5.8	6.7	8.2	9.8	11.3	11.8	12.0

REPORT NUMBER: P1197049

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	5.9	6.7	8.3	9.9	11.3	11.8	12.0
158°	6.0	6.8	8.4	9.9	11.3	11.8	12.0
158.5°	6.1	6.9	8.5	10.0	11.4	11.8	12.0
159°	6.2	7.0	8.5	10.0	11.4	11.8	12.0
159.5°	6.3	7.1	8.6	10.1	11.4	11.8	11.9
160°	6.4	7.2	8.7	10.2	11.4	11.9	11.9
160.5°	6.5	7.3	8.8	10.2	11.5	11.9	11.9
161°	6.6	7.4	8.8	10.3	11.5	11.9	11.9
161.5°	6.7	7.5	8.9	10.3	11.5	11.9	11.9
162°	6.8	7.6	9.0	10.4	11.5	11.9	11.9
162.5°	6.9	7.7	9.1	10.4	11.5	11.9	11.9
163°	7.0	7.8	9.2	10.4	11.6	11.9	11.8
163.5°	7.1	7.8	9.2	10.5	11.6	11.9	11.8
164°	7.2	7.9	9.3	10.6	11.6	11.9	11.7
164.5°	7.3	8.0	9.4	10.6	11.6	11.9	11.7
165°	7.4	8.1	9.5	10.6	11.7	11.9	11.7
165.5°	7.5	8.3	9.6	10.7	11.7	11.9	11.7
166°	7.6	8.3	9.7	10.7	11.7	11.9	11.7
166.5°	7.8	8.4	9.7	10.8	11.7	11.9	11.7
167°	7.9	8.6	9.8	10.8	11.7	11.9	11.7
167.5°	8.0	8.7	9.9	10.9	11.8	11.9	11.7
168°	8.1	8.8	10.0	10.9	11.8	11.9	11.6
168.5°	8.2	8.9	10.1	11.0	11.8	11.9	11.6
169°	8.4	9.0	10.1	11.0	11.8	11.9	11.6
169.5°	8.5	9.1	10.2	11.1	11.8	11.9	11.5
170°	8.6	9.2	10.3	11.1	11.8	11.9	11.5
170.5°	8.7	9.3	10.4	11.2	11.8	11.9	11.5
171°	8.8	9.4	10.4	11.2	11.8	11.9	11.4
171.5°	8.9	9.5	10.5	11.2	11.8	11.9	11.4
172°	9.0	9.5	10.5	11.2	11.7	11.9	11.3
172.5°	9.1	9.6	10.6	11.2	11.7	11.9	11.3
173°	9.2	9.7	10.6	11.2	11.7	11.9	11.2
173.5°	9.3	9.8	10.7	11.3	11.7	11.9	11.2
174°	9.4	9.9	10.8	11.3	11.7	11.9	11.1
174.5°	9.5	10.0	10.8	11.3	11.7	11.8	11.1
175°	9.5	10.1	10.9	11.3	11.7	11.8	11.0
175.5°	9.6	10.2	10.9	11.4	11.7	11.8	10.9
176°	9.7	10.2	11.0	11.4	11.7	11.8	10.9
176.5°	9.8	10.3	11.0	11.4	11.7	11.7	10.8
177°	9.9	10.4	11.1	11.4	11.7	11.7	10.8
177.5°	10.0	10.4	11.1	11.5	11.7	11.7	10.7
178°	10.1	10.6	11.2	11.5	11.7	11.6	10.6
178.5°	10.1	10.6	11.2	11.5	11.7	11.6	10.6
179°	10.2	10.7	11.3	11.5	11.7	11.5	10.5
179.5°	10.3	10.8	11.3	11.5	11.7	11.5	10.4



REPORT NUMBER: P1197049
CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	10.4	10.4	10.4	10.4	10.4	10.4	10.4

(END OF REPORT)