

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: P1197214

Luminaire Tested: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197214
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: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0
Description: AWP Architectural
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 19500 (1 lamp)
Luminaire Lumens: 19638 lumens
Efficiency: 100.7%
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type III - Short - Cutoff
BUG Rating: B4 - U1 - G2

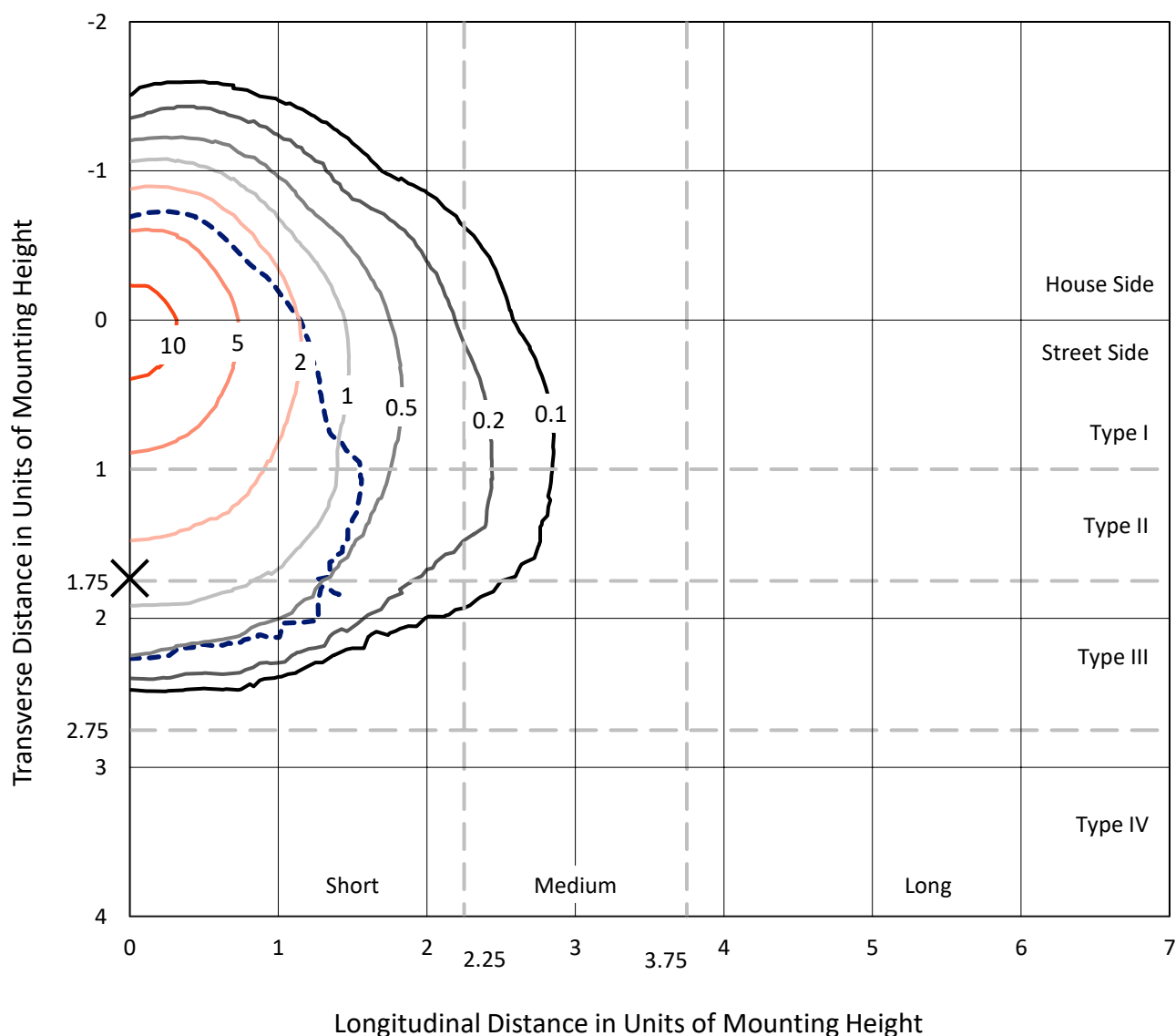
Input Watts (W): 151.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

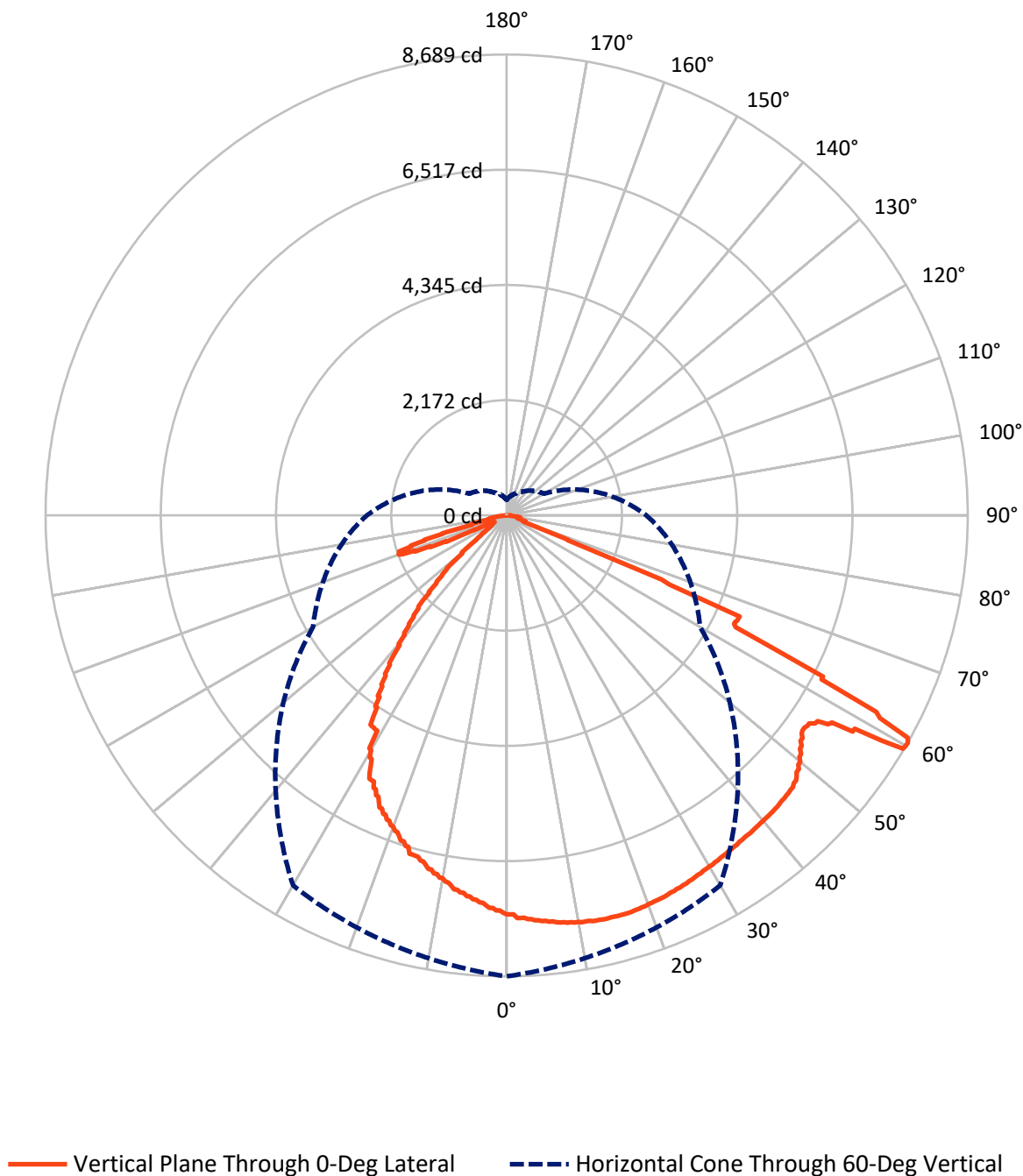


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - Cutoff

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Luminous Intensity Polar Plot



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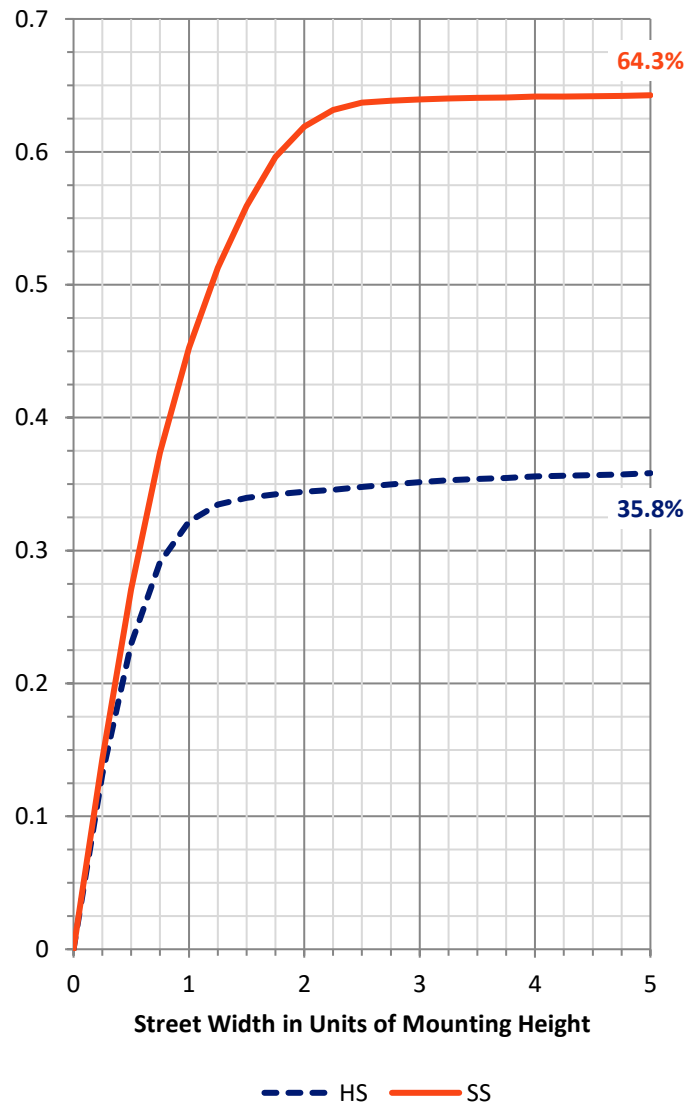
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7092.1	3.6	7095.8
	% Lamp	36.4	0.0	36.4
Street Side	Lumens	12539.7	2.6	12542.3
	% Lamp	64.3	0.0	64.3
Total	Lumens	19631.8	6.2	19638.0
	% Lamp	100.7	0.0	100.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	717.6	3.7	3.7
10°-20°	2053.6	10.5	10.5
20°-30°	3113.0	15.9	16.0
30°-40°	3734.6	19.0	19.2
40°-50°	3731.9	19.0	19.1
50°-60°	3243.8	16.5	16.6
60°-70°	2286.3	11.6	11.7
70°-80°	588.7	3.0	3.0
80°-90°	162.3	0.8	0.8
90°-100°	1.6	0.0	0.0
100°-110°	0.1	0.0	0.0
110°-120°	0.2	0.0	0.0
120°-130°	0.6	0.0	0.0
130°-140°	0.8	0.0	0.0
140°-150°	0.9	0.0	0.0
150°-160°	0.9	0.0	0.0
160°-170°	0.7	0.0	0.0
170°-180°	0.2	0.0	0.0
0°-90°	19631.8	100.0	100.7
0°-180°	19638.0	100.0	100.7

Coefficient of Utilization



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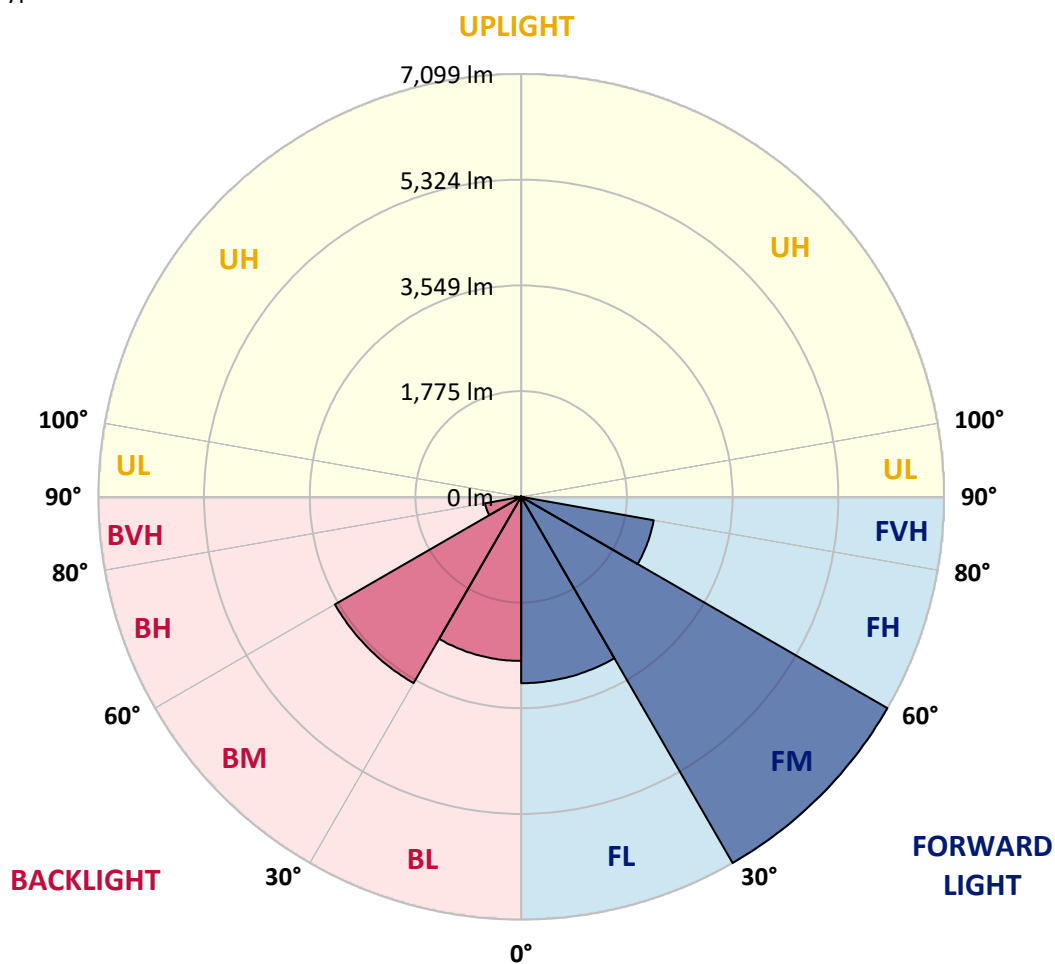
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3129.3	16.0			
FM	(30°-60°)	7098.8	36.4			
FH	(60°-80°)	2258.7	11.6			G2/5000
FVH	(80°-90°)	52.9	0.3			G1/100
BL	(0°-30°)	2755.0	14.1	B4/5000		
BM	(30°-60°)	3611.5	18.5	B3/5000		
BH	(60°-80°)	616.2	3.2	B2/1000		G2/1000
BVH	(80°-90°)	109.5	0.6			G2/225
UL	(90°-100°)	1.6	0.0		U1/10	
UH	(100°-180°)	4.6	0.0		U1/10	
Trapped Light		-138.0	-0.7			

BUG Rating: B4-U1-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	7522.7	7522.7	7522.7	7522.7	7522.7	7522.7	7522.7
0.5°	7522.7	7522.7	7522.7	7522.7	7522.7	7522.7	7522.7
1°	7593.4	7601.5	7640.9	7627.7	7558.4	7602.8	7490.8
1.5°	7593.4	7601.5	7640.9	7627.7	7558.4	7581.3	7450.1
2°	7593.4	7623.1	7648.2	7627.3	7535.6	7578.1	7450.1
2.5°	7619.8	7626.4	7648.2	7619.7	7501.1	7548.6	7405.6
3°	7622.8	7646.9	7650.0	7619.6	7501.1	7548.6	7405.6
3.5°	7651.9	7651.0	7650.0	7611.0	7481.6	7513.7	7363.4
4°	7654.2	7668.2	7648.2	7610.3	7481.6	7513.7	7317.0
4.5°	7676.8	7685.4	7650.1	7598.5	7449.7	7469.6	7311.4
5°	7678.9	7685.4	7648.0	7598.2	7449.7	7469.6	7268.3
5.5°	7702.8	7703.7	7646.9	7589.1	7409.7	7434.0	7264.1
6°	7702.8	7703.7	7646.9	7589.1	7409.7	7397.3	7214.8
6.5°	7724.9	7720.6	7642.4	7571.0	7376.1	7392.9	7214.8
7°	7742.2	7723.0	7642.4	7571.0	7376.1	7354.2	7160.8
7.5°	7743.5	7733.8	7636.3	7561.3	7340.4	7349.3	7160.8
8°	7762.9	7736.5	7636.3	7539.7	7296.4	7309.1	7118.3
8.5°	7765.2	7745.1	7627.9	7538.4	7296.4	7309.1	7118.3
9°	7782.4	7747.5	7627.9	7520.1	7255.0	7251.9	7057.1
9.5°	7782.6	7754.0	7614.8	7518.1	7255.0	7251.9	7007.5
10°	7797.7	7763.7	7601.8	7489.2	7207.1	7200.4	7001.2
10.5°	7798.0	7763.7	7601.8	7489.2	7207.1	7156.2	6945.4
11°	7798.9	7765.8	7589.2	7466.9	7151.4	7148.8	6945.4
11.5°	7819.4	7768.7	7589.2	7466.9	7151.4	7104.6	6885.3
12°	7822.3	7771.3	7570.1	7442.6	7103.1	7098.3	6885.3
12.5°	7822.3	7771.3	7570.1	7411.4	7048.1	7039.4	6826.3
13°	7833.8	7770.8	7550.4	7408.6	7048.1	7039.4	6826.3
13.5°	7833.8	7770.8	7550.4	7380.6	6994.6	6984.0	6766.7
14°	7830.2	7768.4	7528.5	7377.6	6994.6	6984.0	6713.9
14.5°	7830.2	7768.4	7528.5	7343.1	6935.8	6920.4	6706.0
15°	7838.2	7766.4	7503.3	7339.6	6935.8	6920.4	6650.0
15.5°	7837.6	7756.7	7476.1	7304.7	6878.6	6860.1	6642.6
16°	7840.8	7757.1	7476.1	7304.7	6878.6	6807.3	6635.1
16.5°	7837.8	7748.5	7444.7	7257.4	6810.1	6798.5	6635.1
17°	7834.5	7748.0	7444.7	7257.4	6810.1	6747.9	6514.9
17.5°	7826.9	7733.3	7414.7	7223.3	6745.5	6739.4	6514.9
18°	7826.9	7733.3	7414.7	7184.5	6679.7	6668.4	6445.7
18.5°	7816.1	7717.9	7378.3	7137.6	6673.8	6668.4	6445.7
19°	7816.1	7717.9	7378.3	7137.6	6604.8	6598.4	6376.9
19.5°	7800.6	7701.0	7341.7	7132.8	6604.8	6598.4	6315.5
20°	7800.6	7684.8	7339.4	7087.5	6539.2	6530.8	6307.2
20.5°	7790.8	7683.8	7302.8	7082.4	6539.2	6530.8	6244.7
21°	7787.0	7665.5	7263.5	7036.3	6466.6	6458.9	6235.9
21.5°	7782.7	7664.9	7263.5	7036.3	6466.6	6396.4	6162.4
22°	7781.3	7644.4	7219.7	6982.0	6395.2	6387.3	6162.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	7767.3	7642.4	7219.7	6982.0	6319.8	6316.4	6085.0
23°	7752.3	7620.3	7177.0	6930.1	6313.2	6316.4	6085.0
23.5°	7752.3	7620.3	7177.0	6882.7	6241.9	6240.5	6003.4
24°	7736.5	7596.9	7131.9	6876.8	6241.9	6240.5	6003.4
24.5°	7736.5	7596.9	7131.9	6822.9	6162.1	6166.7	5916.9
25°	7723.0	7573.8	7084.7	6816.7	6162.1	6166.7	5827.4
25.5°	7723.0	7551.2	7040.6	6754.9	6078.8	6092.6	5818.5
26°	7704.4	7549.1	7040.6	6754.9	6078.8	6023.6	5718.3
26.5°	7700.9	7524.3	6992.9	6693.7	5998.9	6013.4	5718.3
27°	7688.0	7522.5	6992.9	6693.7	5998.9	5936.9	5605.2
27.5°	7676.3	7498.6	6939.1	6563.7	5905.1	5926.2	5605.2
28°	7676.3	7498.6	6939.1	6563.7	5823.2	5845.7	5595.5
28.5°	7654.1	7471.1	6888.2	6557.1	5823.2	5845.7	5492.0
29°	7654.1	7471.1	6888.2	6500.0	5733.3	5751.2	5366.1
29.5°	7640.7	7446.1	6838.5	6493.5	5733.3	5751.2	5251.9
30°	7640.7	7446.1	6838.5	6426.6	5638.8	5660.6	5240.9
30.5°	7625.1	7417.5	6781.9	6419.2	5638.8	5660.6	5110.5
31°	7621.9	7390.5	6723.2	6347.9	5549.0	5554.4	5097.1
31.5°	7609.0	7388.7	6723.2	6347.9	5549.0	5463.9	4733.1
32°	7604.7	7361.8	6667.7	6265.2	5450.1	5451.4	4733.1
32.5°	7598.3	7360.9	6667.7	6265.2	5450.1	5352.3	4719.2
33°	7583.8	7331.2	6606.6	6186.1	5351.7	5339.9	4719.2
33.5°	7583.8	7331.2	6606.6	6109.6	5245.1	5224.0	4704.8
34°	7573.9	7302.3	6543.4	6101.2	5245.1	5224.0	4547.5
34.5°	7573.9	7302.3	6543.4	6025.8	5146.1	5099.5	4365.8
35°	7557.2	7275.7	6479.6	6017.3	5146.1	5099.5	4365.8
35.5°	7557.2	7249.8	6476.0	5936.5	5041.0	4965.7	4177.5
36°	7547.3	7248.7	6412.4	5927.6	5041.0	4965.7	4177.5
36.5°	7545.2	7225.0	6347.7	5839.2	4928.5	4828.6	3983.5
37°	7545.2	7225.0	6347.7	5839.2	4928.5	4693.9	3964.6
37.5°	7541.6	7202.4	6274.4	5748.5	4809.4	4678.8	3785.7
38°	7527.6	7200.4	6274.4	5748.5	4699.5	4521.1	3765.7
38.5°	7525.2	7177.8	6200.1	5650.2	4687.0	4521.1	3577.1
39°	7520.8	7154.6	6197.0	5567.2	4555.8	4346.9	3555.0
39.5°	7518.1	7154.6	6130.2	5557.8	4555.8	4346.9	3369.7
40°	7513.8	7154.0	6130.2	5461.9	4425.9	4171.1	3166.2
40.5°	7510.9	7134.6	6052.0	5451.3	4425.9	4171.1	3166.2
41°	7506.6	7113.5	5972.6	5340.3	4285.7	3986.3	2968.2
41.5°	7505.1	7113.5	5972.6	5340.3	4285.7	3811.8	2943.6
42°	7497.0	7092.3	5892.2	5229.2	4135.9	3792.7	2775.5
42.5°	7497.0	7092.3	5892.2	5229.2	4135.9	3613.8	2750.4
43°	7482.4	7070.1	5810.6	5120.1	3977.7	3593.5	2594.1
43.5°	7473.8	7068.9	5810.6	5012.3	3818.2	3390.0	2568.3
44°	7471.2	7050.6	5727.2	5001.0	3818.2	3390.0	2415.3
44.5°	7457.2	7048.6	5727.2	4896.5	3649.4	3180.9	2389.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	7454.6	7027.1	5640.2	4884.6	3649.4	3180.9	2254.3
45.5°	7443.8	7010.5	5638.0	4773.6	3478.6	2972.6	2057.8
46°	7442.2	7010.5	5549.7	4761.2	3478.6	2972.6	2057.8
46.5°	7400.8	6990.2	5453.8	4632.7	3302.9	2770.3	1837.5
47°	7400.8	6990.2	5453.8	4632.7	3302.9	2595.7	1812.9
47.5°	7357.0	6958.8	5355.4	4506.3	3116.8	2571.8	1668.5
48°	7299.9	6950.7	5355.4	4506.3	3116.8	2409.1	1645.6
48.5°	7294.0	6925.9	5258.1	4373.5	2920.0	2383.7	1517.4
49°	7230.4	6917.0	5258.1	4258.2	2717.4	2202.4	1495.6
49.5°	7226.2	6886.8	5164.5	4245.6	2717.4	2202.4	1335.1
50°	7149.7	6876.1	5164.5	4126.0	2503.4	2033.5	1101.9
50.5°	7142.7	6843.7	5067.3	4113.0	2503.4	2033.5	1101.9
51°	7064.1	6798.2	5062.4	4000.9	2291.5	1873.4	1083.2
51.5°	7058.6	6798.2	4954.7	3985.7	2291.5	1749.4	874.0
52°	6981.3	6744.2	4842.8	3853.4	2094.0	1724.0	732.8
52.5°	6981.3	6744.2	4842.8	3853.4	2094.0	1599.0	715.2
53°	6914.3	6699.0	4732.1	3720.1	1917.8	1576.6	614.0
53.5°	6892.7	6696.0	4732.1	3594.0	1766.5	1373.5	588.0
54°	6892.7	6657.2	4618.9	3578.8	1766.5	1373.5	511.5
54.5°	6916.7	6661.2	4618.9	3578.8	1665.2	1218.1	491.7
55°	6920.5	6628.8	4521.7	3380.5	1639.1	1218.1	443.2
55.5°	7009.9	6641.4	4521.7	3380.5	1558.3	1059.1	395.5
56°	7029.7	6657.6	4436.7	3238.9	1540.1	1059.1	395.5
56.5°	7224.8	6805.7	4361.0	3225.9	1420.5	875.3	359.1
57°	7267.5	6805.7	4361.0	3086.9	1401.0	742.8	340.4
57.5°	7692.9	7114.1	4300.2	3073.2	1219.9	717.3	340.4
58°	7692.9	7114.1	4300.2	2937.5	1200.8	634.3	328.7
58.5°	8254.3	7573.8	4250.4	2922.8	1019.8	608.9	322.3
59°	8665.9	7631.7	4250.4	2784.8	892.7	539.8	314.7
59.5°	8685.9	8051.9	4210.4	2633.0	873.3	539.8	298.5
60°	8689.1	8052.3	4210.4	2633.0	816.2	500.5	294.1
60.5°	8643.5	8249.5	4141.2	2486.8	797.5	500.5	274.8
61°	8007.8	7942.4	4110.6	2486.8	760.9	472.8	260.8
61.5°	7892.0	7942.4	4017.9	2342.3	742.4	472.8	260.8
62°	6691.8	7077.0	3838.5	2331.3	715.4	439.9	265.3
62.5°	6691.8	7077.0	3838.5	2196.6	696.5	415.1	261.8
63°	5579.9	5929.3	3635.4	2187.6	673.9	411.9	298.5
63.5°	4806.2	5836.6	3635.4	2052.9	654.9	399.0	296.6
64°	4751.6	5002.6	3465.3	1911.9	609.2	395.2	296.6
64.5°	4754.8	5003.0	3465.3	1911.9	598.4	386.1	302.1
65°	4781.7	4526.8	3363.8	1772.4	579.5	386.1	302.1
65.5°	4776.3	4526.0	3363.8	1772.4	579.5	381.8	348.9
66°	4786.6	4619.8	3385.6	1638.9	549.7	380.3	662.4
66.5°	3336.3	4614.0	3483.6	1648.7	536.8	375.3	661.9
67°	3164.8	4614.0	3483.6	1514.1	517.9	367.7	1236.3

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	1245.8	3475.1	3507.7	1535.3	499.5	365.1	1236.3
68°	1245.8	3475.1	3507.7	1399.5	480.4	355.4	1553.8
68.5°	439.1	1803.5	3398.0	1415.3	460.0	352.6	1553.8
69°	359.3	1792.3	3398.0	1298.9	423.1	342.1	1855.5
69.5°	327.5	681.4	3215.8	1197.2	409.3	342.1	1855.5
70°	334.0	682.3	3215.8	1197.2	391.0	332.0	2075.4
70.5°	372.5	308.7	3006.2	1062.1	375.1	332.0	2159.4
71°	372.5	308.7	3006.2	1062.1	356.8	302.5	2155.6
71.5°	370.7	277.4	2718.5	919.9	342.4	302.5	2142.7
72°	366.3	257.4	2324.6	864.9	325.1	267.8	2138.2
72.5°	368.5	257.4	2324.6	811.0	317.6	226.8	1891.0
73°	290.9	258.6	1836.0	742.0	301.4	224.5	1891.0
73.5°	290.9	258.6	1836.0	691.4	294.3	179.3	1611.0
74°	249.6	250.9	1393.8	629.2	272.7	176.2	1611.0
74.5°	233.5	248.6	1393.8	575.3	246.8	128.4	1252.3
75°	229.5	192.6	1043.3	472.2	239.1	128.4	1252.3
75.5°	214.5	190.4	1043.3	472.2	222.9	117.5	670.3
76°	212.9	152.7	776.1	372.9	214.1	117.5	670.3
76.5°	229.1	143.1	774.5	372.9	199.1	125.1	671.7
77°	227.3	143.1	563.3	273.1	189.2	125.1	671.7
77.5°	244.8	130.5	416.8	252.8	154.7	138.6	347.8
78°	244.8	130.5	416.8	200.0	147.3	239.8	362.0
78.5°	257.3	130.9	334.7	188.5	120.4	236.1	289.8
79°	261.6	131.5	334.7	158.3	116.1	548.5	333.8
79.5°	263.6	141.2	284.4	131.6	96.2	546.1	283.1
80°	263.6	141.2	284.4	131.6	86.5	862.6	327.9
80.5°	248.0	151.7	238.8	108.8	84.2	862.6	290.1
81°	248.0	151.7	238.8	108.8	68.0	936.8	269.7
81.5°	208.1	158.9	202.9	88.4	65.9	936.8	269.7
82°	208.1	166.4	173.8	84.2	42.2	888.2	229.9
82.5°	154.4	158.9	173.8	72.3	40.5	797.7	217.2
83°	153.5	161.0	145.0	68.2	26.5	795.8	185.9
83.5°	109.3	154.8	145.0	57.5	25.0	682.6	170.0
84°	106.7	149.4	113.0	53.1	16.4	681.4	139.8
84.5°	84.1	146.2	113.0	44.4	9.8	567.5	123.9
85°	76.8	128.5	73.9	31.7	8.7	567.5	94.8
85.5°	76.8	128.5	73.9	31.7	5.5	448.5	78.1
86°	83.3	104.2	31.5	19.8	4.6	448.5	64.1
86.5°	83.3	104.2	31.5	19.8	2.4	296.3	41.7
87°	84.9	76.9	9.2	11.9	1.7	296.3	41.7
87.5°	84.9	52.2	5.8	11.9	1.7	170.2	24.0
88°	82.5	52.2	5.8	7.5	1.1	72.2	10.2
88.5°	82.5	32.8	3.0	7.5	1.1	72.2	10.2
89°	78.5	32.5	3.0	4.3	0.6	4.3	0.6
89.5°	69.0	18.3	1.2	4.3	0.6	4.3	0.6

REPORT NUMBER: P1197214

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	69.0	18.3	1.2	2.2	0.3	2.2	0.3
90.5°	52.8	9.6	0.3	1.1	0.2	2.2	0.3
91°	52.8	8.5	0.2	1.1	0.2	2.2	0.3
91.5°	28.0	5.0	0.2	0.0	0.0	2.2	0.3
92°	28.0	3.9	0.0	0.0	0.0	1.1	0.2
92.5°	3.2	0.5	0.0	0.0	0.0	1.1	0.2
93°	3.2	0.5	0.0	0.0	0.0	1.1	0.2
93.5°	1.1	0.2	0.0	0.0	0.0	1.1	0.2
94°	1.1	0.2	0.0	0.0	0.0	1.1	0.2
94.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
95°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
95.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
96°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
96.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
97°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
97.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
98°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
98.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
99°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
99.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
100°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
100.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
101°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
101.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
105°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
105.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
106°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
108°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
108.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
109°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
109.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
110°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
110.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
111°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
111.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
112°	0.0	0.0	0.0	0.0	0.0	1.1	0.2

REPORT NUMBER: P1197214

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
113°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
113.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
114°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
114.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.2
115°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
115.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
116°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
116.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
117°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
118°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
118.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
119°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
119.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
120°	0.0	0.0	0.0	0.0	0.0	1.1	1.2
120.5°	0.0	0.0	0.0	0.0	1.1	1.2	1.2
121°	0.0	0.0	0.0	0.0	1.1	1.2	1.2
121.5°	0.0	0.0	0.0	0.0	1.1	1.2	1.2
122°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
122.5°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
123°	0.0	0.0	0.0	0.0	1.1	1.2	1.2
123.5°	0.0	0.0	0.0	0.0	1.1	1.2	1.2
124°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
124.5°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
125°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
125.5°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
126°	0.0	0.0	0.0	0.0	1.1	2.3	1.4
126.5°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
127°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
127.5°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
128°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
128.5°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
129°	0.0	0.0	0.0	1.1	1.2	2.3	1.4
129.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
130°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
130.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
131°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
131.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
132°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
132.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
133°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
133.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
134°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
134.5°	0.0	0.0	1.1	1.2	1.2	2.3	2.5

REPORT NUMBER: P1197214

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.0	0.0	1.1	1.2	1.2	2.3	2.5
135.5°	0.0	0.0	1.1	1.2	1.2	2.3	2.5
136°	0.0	0.0	1.1	1.2	1.2	2.3	2.5
136.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
137°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
137.5°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
138°	0.0	0.0	0.0	1.1	1.2	2.3	2.5
138.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
139°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
139.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
140°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
140.5°	0.0	0.0	1.1	1.2	1.2	2.3	2.5
141°	0.0	0.0	1.1	1.2	1.2	2.3	2.5
141.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
142°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
142.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
143°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
143.5°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
144°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
144.5°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
145°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
145.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
146°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
146.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
147°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
147.5°	0.0	1.1	1.2	1.2	1.2	2.3	2.5
148°	0.0	1.1	1.2	1.2	2.3	2.5	2.5
148.5°	0.0	1.1	1.2	2.3	2.5	2.5	2.5
149°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
149.5°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
150°	0.0	1.1	1.2	2.3	2.5	2.5	2.5
150.5°	0.2	1.1	1.2	2.3	2.5	2.5	2.5
151°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
151.5°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
152°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
152.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
153°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
153.5°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
154°	1.1	1.2	1.2	2.3	2.5	2.5	2.5
154.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
155°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
155.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
156°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
156.5°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
157°	1.2	1.2	2.3	2.5	2.5	2.5	2.5

REPORT NUMBER: P1197214

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
158°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
158.5°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
159°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
159.5°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
160°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
160.5°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
161°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
161.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
162°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
162.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
163°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
163.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
164°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
164.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
165°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
165.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
166°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
166.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
167°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
167.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
168°	1.4	2.3	2.5	2.5	2.5	2.5	2.5
168.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
169°	2.3	2.5	2.5	2.5	2.5	2.5	2.5
169.5°	2.3	2.5	2.5	2.5	2.5	2.5	2.5
170°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
170.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
171°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
171.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
172°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
173°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
173.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
174°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
174.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
175.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
176°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
176.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
177°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
178°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
178.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
179°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
179.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5



REPORT NUMBER: P1197214
CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-3000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)