

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: P1197222

Luminaire Tested: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197222
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-MID-5000K-POSITION 0
Description: AWP Architectural
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 16200 (1 lamp)
Luminaire Lumens: 17408 lumens
Efficiency: 107.5%
Efficacy: 139.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type II - Short - Cutoff
BUG Rating: B4 - U2 - G2

Input Watts (W): 124.4
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

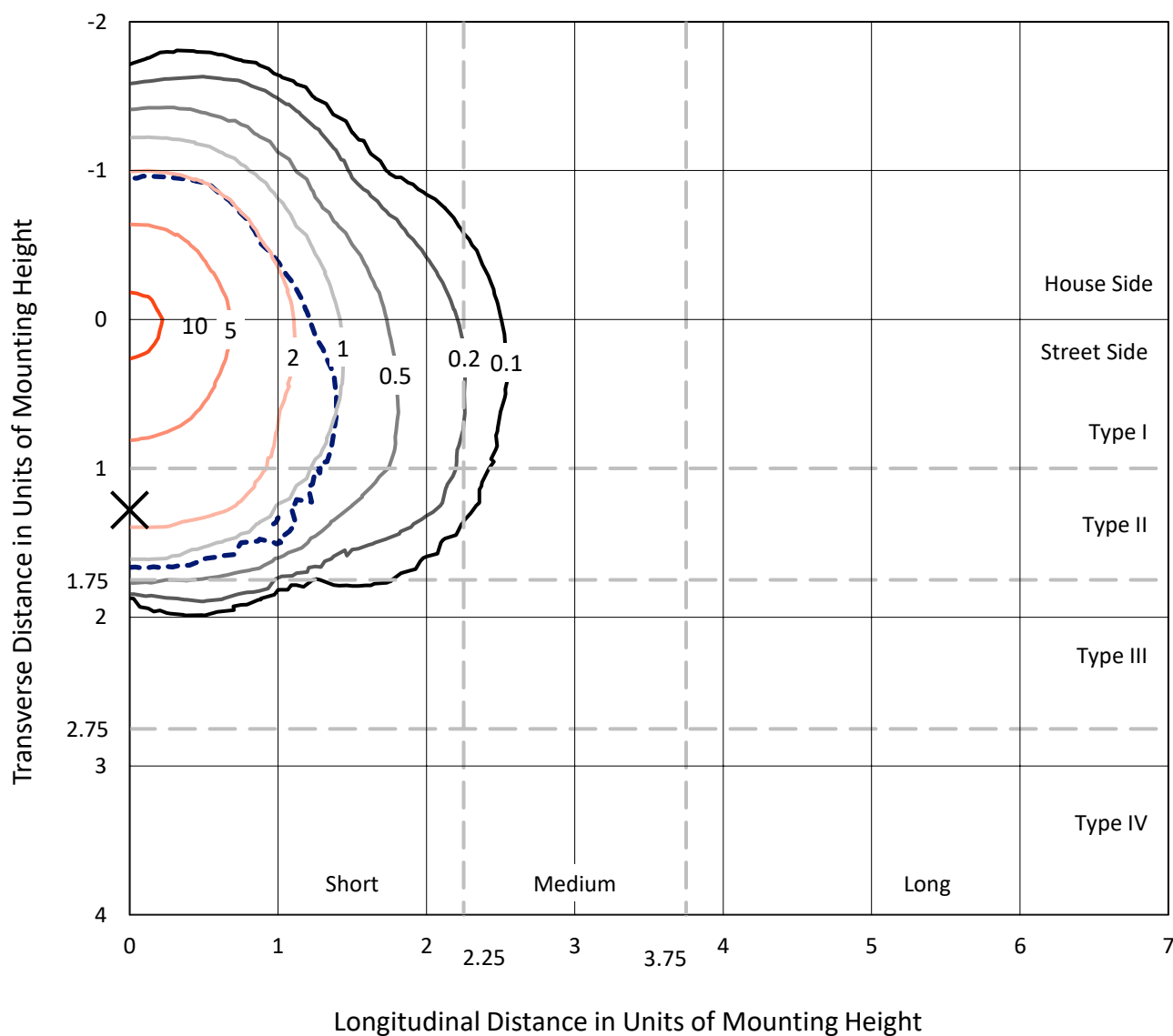
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

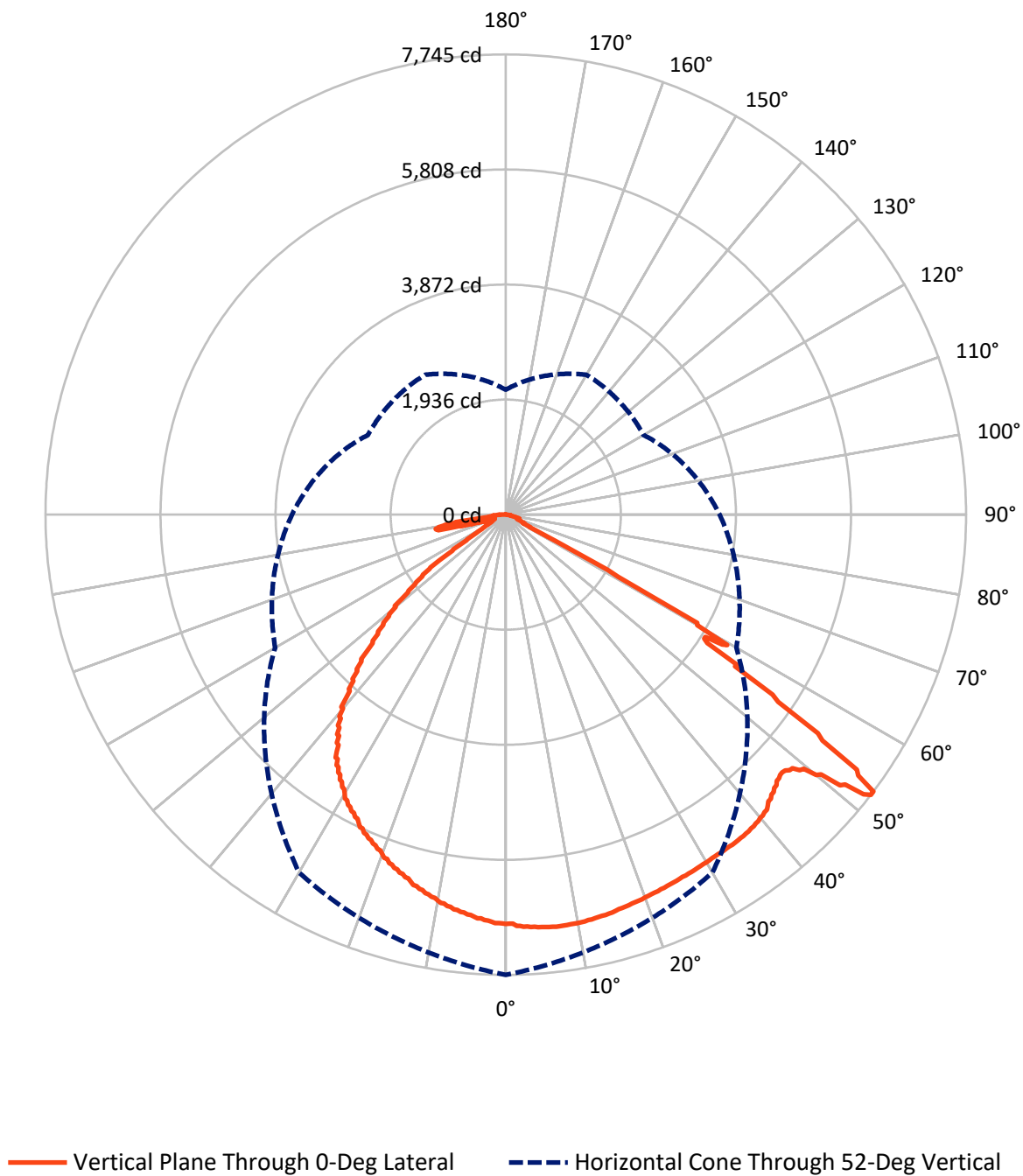


Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - Cutoff

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Luminous Intensity Polar Plot



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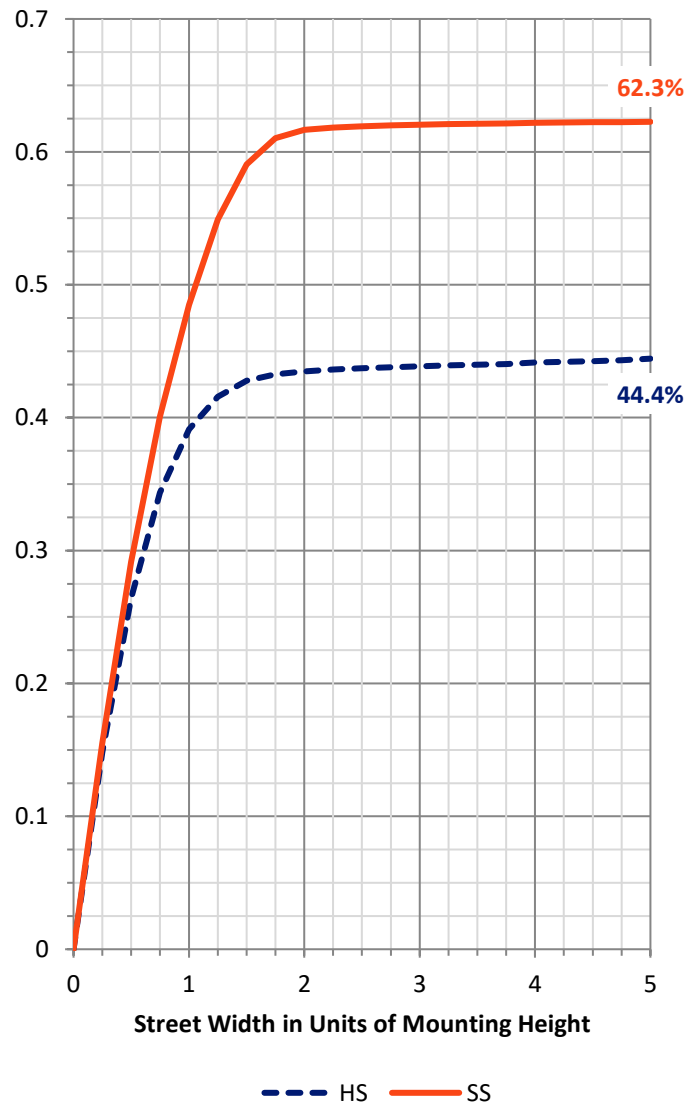
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7316.9	20.8	7337.7
	% Lamp	45.2	0.1	45.3
Street Side	Lumens	10068.7	1.6	10070.3
	% Lamp	62.2	0.0	62.2
Total	Lumens	17385.6	22.4	17408.0
	% Lamp	107.3	0.1	107.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	654.5	3.8	4.0
10°-20°	1874.4	10.8	11.6
20°-30°	2860.8	16.4	17.7
30°-40°	3513.4	20.2	21.7
40°-50°	3670.4	21.1	22.7
50°-60°	3145.9	18.1	19.4
60°-70°	1241.7	7.1	7.7
70°-80°	310.2	1.8	1.9
80°-90°	114.4	0.7	0.7
90°-100°	17.9	0.1	0.1
100°-110°	0.1	0.0	0.0
110°-120°	0.2	0.0	0.0
120°-130°	0.5	0.0	0.0
130°-140°	0.9	0.0	0.0
140°-150°	1.1	0.0	0.0
150°-160°	0.9	0.0	0.0
160°-170°	0.6	0.0	0.0
170°-180°	0.2	0.0	0.0
0°-90°	17385.6	99.9	107.3
0°-180°	17408.0	100.0	107.5

Coefficient of Utilization



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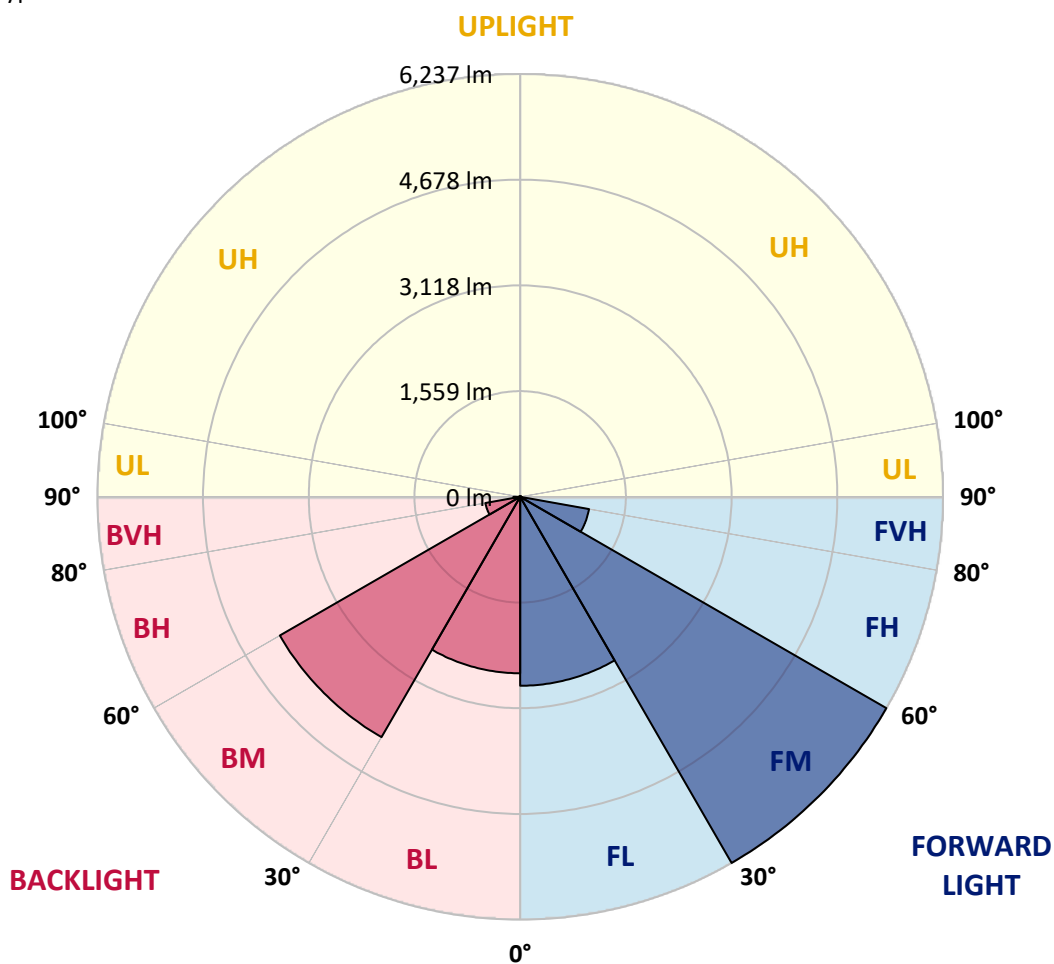
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2786.3	17.2			
FM	(30°-60°)	6236.8	38.5			
FH	(60°-80°)	1030.9	6.4			G1/1800
FVH	(80°-90°)	14.7	0.1			G1/100
BL	(0°-30°)	2603.4	16.1	B4/5000		
BM	(30°-60°)	4092.9	25.3	B3/5000		
BH	(60°-80°)	521.0	3.2	B2/1000		G2/1000
BVH	(80°-90°)	99.7	0.6			G1/100
UL	(90°-100°)	17.9	0.1		U2/50	
UH	(100°-180°)	4.5	0.0		U1/10	
Trapped Light		-1208.0	-7.5			

BUG Rating: B4-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	6885.0	6885.0	6885.0	6885.0	6885.0	6885.0	6885.0
0.5°	6885.0	6885.0	6885.0	6885.0	6885.0	6885.0	6885.0
1°	6924.5	6913.5	6928.9	6933.5	6903.6	6933.0	6877.6
1.5°	6925.8	6924.2	6929.0	6933.2	6890.2	6920.0	6875.8
2°	6939.1	6926.5	6927.2	6930.2	6889.7	6920.0	6875.8
2.5°	6940.2	6933.7	6928.5	6930.2	6873.7	6903.0	6855.5
3°	6950.0	6941.6	6926.9	6923.5	6872.6	6903.0	6835.0
3.5°	6950.5	6941.6	6926.9	6923.5	6854.8	6884.7	6832.4
4°	6963.8	6952.8	6921.3	6915.2	6836.7	6866.7	6807.5
4.5°	6963.8	6952.8	6921.3	6915.2	6836.7	6866.7	6807.5
5°	6971.8	6956.9	6912.9	6905.6	6814.8	6845.3	6783.9
5.5°	6978.9	6958.1	6912.9	6894.0	6812.8	6845.3	6760.8
6°	6978.9	6959.9	6904.3	6892.5	6792.4	6823.9	6757.7
6.5°	6984.5	6961.0	6891.8	6879.6	6790.5	6823.9	6731.9
7°	6984.5	6959.2	6891.5	6879.6	6765.6	6800.0	6728.5
7.5°	6983.9	6959.2	6876.4	6863.7	6763.3	6800.0	6701.8
8°	6982.8	6954.8	6875.6	6863.7	6738.3	6772.5	6697.8
8.5°	6977.5	6950.3	6859.9	6845.9	6709.0	6767.9	6664.8
9°	6976.0	6950.3	6859.9	6845.9	6709.0	6744.8	6660.8
9.5°	6977.7	6943.5	6839.1	6825.6	6677.6	6714.0	6624.3
10°	6976.2	6943.5	6839.1	6825.6	6677.6	6714.0	6624.3
10.5°	6973.5	6932.3	6817.6	6802.6	6641.2	6684.2	6590.7
11°	6963.2	6930.8	6817.6	6781.2	6637.5	6684.2	6556.9
11.5°	6963.2	6921.0	6793.7	6777.4	6606.4	6647.7	6551.5
12°	6951.6	6919.3	6769.6	6750.9	6602.5	6647.7	6517.7
12.5°	6949.1	6905.9	6767.3	6750.9	6568.7	6610.6	6512.3
13°	6942.0	6894.9	6742.5	6724.6	6564.8	6610.6	6468.6
13.5°	6942.0	6894.9	6742.5	6724.6	6526.5	6571.9	6463.1
14°	6933.6	6881.4	6714.5	6694.3	6487.3	6565.9	6428.4
14.5°	6931.3	6881.4	6714.5	6694.3	6487.3	6531.2	6422.3
15°	6917.9	6863.9	6686.1	6661.4	6443.2	6487.0	6379.3
15.5°	6903.1	6861.7	6686.1	6632.9	6438.3	6487.0	6336.6
16°	6903.1	6846.6	6654.1	6627.8	6396.5	6443.2	6330.3
16.5°	6894.4	6845.5	6654.1	6595.7	6390.9	6443.2	6289.3
17°	6891.3	6827.7	6624.3	6591.1	6349.0	6397.7	6282.7
17.5°	6878.0	6825.4	6624.3	6557.3	6343.2	6397.7	6240.8
18°	6875.9	6808.5	6591.1	6552.0	6295.1	6346.6	6233.4
18.5°	6870.6	6790.6	6557.0	6513.7	6289.4	6346.6	6189.8
19°	6867.8	6790.6	6557.0	6513.7	6244.0	6295.1	6182.2
19.5°	6855.4	6772.5	6522.1	6473.4	6189.0	6242.9	6129.2
20°	6852.4	6772.5	6522.1	6473.4	6189.0	6242.9	6129.2
20.5°	6840.8	6752.6	6485.2	6429.2	6132.5	6190.7	6078.0
21°	6833.9	6751.9	6485.2	6391.8	6126.0	6190.7	6030.8
21.5°	6833.9	6734.1	6450.1	6386.3	6073.5	6134.3	6022.6
22°	6824.5	6732.8	6414.5	6341.8	6066.8	6134.3	5977.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	6821.8	6714.1	6411.2	6341.8	6013.4	6076.1	5968.7
23°	6812.0	6712.4	6373.0	6292.4	6006.0	6076.1	5922.4
23.5°	6809.1	6695.5	6370.0	6292.4	5949.9	6014.7	5913.5
24°	6800.2	6677.1	6328.8	6242.2	5886.3	6005.0	5870.7
24.5°	6797.6	6677.1	6328.8	6242.2	5886.3	5955.1	5862.1
25°	6792.2	6656.6	6286.3	6189.1	5789.2	5885.3	5803.7
25.5°	6783.5	6655.5	6286.3	6189.1	5789.2	5885.3	5803.7
26°	6783.5	6637.7	6283.2	6141.9	5781.0	5832.8	5743.8
26.5°	6779.8	6637.5	6242.2	6084.9	5710.0	5822.0	5692.2
27°	6777.2	6620.6	6196.6	6077.5	5710.0	5768.6	5682.9
27.5°	6769.2	6619.2	6152.1	6019.0	5638.9	5757.7	5631.3
28°	6767.0	6602.3	6149.1	6019.0	5638.9	5705.2	5622.1
28.5°	6759.0	6579.6	6100.9	5956.1	5561.7	5693.5	5567.8
29°	6756.2	6579.6	6100.9	5956.1	5561.7	5641.0	5558.7
29.5°	6753.6	6562.2	6049.0	5892.4	5483.5	5629.0	5500.0
30°	6751.1	6562.2	6049.0	5835.4	5403.3	5560.7	5490.2
30.5°	6744.9	6542.4	5995.0	5826.6	5403.3	5501.1	5415.7
31°	6743.0	6542.4	5995.0	5769.7	5323.1	5488.9	5357.9
31.5°	6740.3	6526.8	5941.7	5760.8	5323.1	5430.1	5347.7
32°	6742.3	6527.6	5891.0	5694.1	5241.8	5417.7	5272.9
32.5°	6740.3	6515.1	5888.8	5694.1	5241.8	5357.2	5262.4
33°	6734.0	6514.1	5834.5	5620.6	5155.9	5344.2	5185.9
33.5°	6732.2	6496.3	5831.4	5620.6	5155.9	5284.6	5175.5
34°	6738.4	6484.9	5775.8	5548.1	5072.8	5272.0	5097.2
34.5°	6736.1	6484.9	5775.8	5548.1	4993.6	5196.8	5086.5
35°	6729.0	6468.5	5715.4	5471.3	4982.0	5133.6	4990.9
35.5°	6726.5	6468.5	5715.4	5471.3	4906.4	5120.5	4990.9
36°	6726.5	6454.3	5653.3	5393.3	4894.6	5051.0	4890.7
36.5°	6716.9	6452.9	5653.3	5323.9	4804.2	5037.4	4790.2
37°	6716.9	6436.0	5593.4	5314.0	4804.2	4965.3	4777.6
37.5°	6703.8	6434.0	5533.7	5229.7	4710.3	4875.6	4660.3
38°	6700.9	6424.2	5532.0	5229.7	4710.3	4875.6	4660.3
38.5°	6685.7	6421.5	5469.7	5218.9	4626.7	4861.0	4547.3
39°	6682.8	6410.9	5467.9	5218.9	4626.7	4780.9	4533.4
39.5°	6660.6	6394.5	5403.4	5208.0	4543.0	4766.4	4413.2
40°	6657.3	6394.5	5403.4	5208.0	4454.1	4666.3	4398.5
40.5°	6635.0	6373.7	5332.0	5196.1	4454.1	4572.9	4257.6
41°	6629.8	6373.7	5332.0	5196.1	4366.8	4557.7	4257.6
41.5°	6586.2	6345.7	5262.5	5184.6	4366.8	4462.5	4103.1
42°	6543.5	6339.2	5262.5	5184.6	4274.3	4446.4	3963.4
42.5°	6538.4	6314.3	5186.1	4723.6	4196.2	4342.2	3945.3
43°	6495.7	6306.8	5110.5	4710.4	4101.9	4325.8	3797.6
43.5°	6489.7	6278.3	5105.5	4621.4	4086.4	4211.9	3777.7
44°	6445.2	6243.0	5029.5	4516.5	3972.3	4194.9	3631.8
44.5°	6439.9	6243.0	5029.5	4516.5	3972.3	4076.5	3611.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	6393.6	6207.4	4958.0	4504.8	3867.3	4058.2	3459.9
45.5°	6389.4	6207.4	4958.0	4411.4	3742.5	3912.0	3437.7
46°	6361.8	6179.4	4843.6	4295.2	3725.6	3778.6	3265.0
46.5°	6358.9	6179.4	4843.6	4295.2	3611.7	3758.7	3112.8
47°	6375.8	6156.6	4839.1	4197.3	3594.7	3615.4	3087.9
47.5°	6425.9	6164.8	4839.1	4197.3	3473.6	3594.4	2941.9
48°	6440.3	6153.2	4663.6	4066.5	3456.1	3450.2	2916.8
48.5°	6555.1	6173.2	4663.6	4066.5	3334.2	3429.0	2774.4
49°	6589.2	6185.7	4586.5	3948.6	3316.1	3277.7	2748.1
49.5°	6817.9	6318.0	4602.7	3948.6	3190.6	3255.8	2606.6
50°	6871.7	6318.0	4524.3	3832.6	3033.1	3077.6	2579.8
50.5°	7238.3	6590.1	4560.6	3832.6	3033.1	2925.4	2416.2
51°	7293.5	6590.1	4493.9	3715.1	3014.6	2925.4	2416.2
51.5°	7641.5	6943.5	4544.9	3608.3	2843.0	2745.7	2257.0
52°	7744.6	6954.7	4480.8	3597.2	2677.4	2716.8	2103.0
52.5°	7744.6	7259.9	4534.0	3490.4	2658.8	2565.6	2076.7
53°	7377.1	7197.0	4467.2	3478.7	2485.3	2535.3	1916.5
53.5°	7299.6	7423.9	4435.5	3355.1	2465.9	2387.6	1890.8
54°	6545.9	7292.6	4435.5	3355.1	2292.4	2357.4	1746.6
54.5°	6412.9	7272.1	4366.1	3230.6	2272.7	2215.9	1722.0
55°	5562.2	6706.6	4293.4	3230.6	2101.0	2186.0	1574.2
55.5°	5414.8	6706.6	4224.0	3102.9	1916.2	2019.4	1550.2
56°	4626.3	5815.6	4092.7	3102.9	1916.2	1883.2	1342.3
56.5°	4626.3	5815.6	4021.6	2971.2	1746.8	1857.3	1083.3
57°	4019.2	4901.0	3877.0	2852.9	1726.2	1725.6	1060.4
57.5°	3938.9	4900.2	3811.1	2841.4	1599.8	1703.6	789.9
58°	3937.4	4196.3	3636.9	2710.5	1578.6	1574.6	767.4
58.5°	4247.0	4250.2	3636.9	2710.5	1469.1	1555.5	576.1
59°	4322.8	3782.2	3521.5	2581.8	1447.8	1402.5	549.4
59.5°	3718.6	3644.0	3515.8	2581.8	1329.4	1381.9	463.1
60°	3700.0	3644.0	3511.4	2455.5	1161.6	1205.2	436.7
60.5°	2156.9	3813.1	3587.6	2455.5	1161.6	1205.2	410.0
61°	1956.1	3813.1	3645.5	2344.6	974.1	1025.8	383.9
61.5°	964.7	3603.9	3639.1	2344.6	974.1	826.4	335.8
62°	456.4	3555.1	3777.0	2244.0	807.4	801.2	326.9
62.5°	456.4	2468.5	3587.8	2121.2	786.0	584.1	289.1
63°	340.5	2469.3	3715.9	2143.5	694.3	568.1	284.6
63.5°	317.4	1190.5	3536.8	2027.4	672.8	426.6	260.0
64°	346.7	1195.7	3536.8	2027.4	618.5	417.1	259.1
64.5°	345.5	443.7	3289.3	1889.7	598.0	365.5	250.1
65°	305.4	257.0	3258.0	1889.7	566.0	338.6	248.2
65.5°	305.4	257.0	2999.0	1727.1	522.4	334.6	248.2
66°	280.5	245.9	2997.9	1727.1	522.4	334.6	249.0
66.5°	275.1	245.9	2649.1	1550.7	485.3	302.3	243.9
67°	265.3	254.0	2650.8	1439.4	466.0	302.3	236.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	223.2	247.7	2248.6	1369.4	446.4	283.7	215.5
68°	223.2	220.1	2243.8	1262.6	427.8	283.7	215.5
68.5°	204.1	217.4	1813.9	1187.7	411.8	271.1	198.7
69°	200.2	184.5	1406.0	1008.2	392.7	271.1	198.7
69.5°	214.4	163.9	1402.0	1008.2	380.3	261.8	201.0
70°	211.9	163.9	1080.7	854.4	363.2	261.8	201.0
70.5°	228.8	144.6	1076.8	854.4	354.3	253.2	204.2
71°	228.5	144.6	834.8	727.7	333.4	247.6	203.4
71.5°	234.8	131.4	832.3	727.7	333.4	247.6	202.5
72°	235.8	131.4	623.2	572.0	305.5	244.6	260.1
72.5°	235.8	127.0	622.4	499.9	292.9	244.6	260.1
73°	231.8	125.9	441.8	468.5	284.0	238.6	384.8
73.5°	234.0	128.5	326.5	397.6	275.2	238.6	384.8
74°	212.6	124.8	326.5	397.6	260.1	226.2	475.6
74.5°	213.8	136.4	280.5	325.1	248.9	226.2	475.6
75°	175.6	141.3	282.5	325.1	230.2	215.8	587.4
75.5°	175.6	141.3	264.7	255.3	201.7	212.9	587.4
76°	137.3	142.6	266.1	255.3	201.7	205.8	782.8
76.5°	136.8	142.6	241.2	199.4	176.7	186.1	779.9
77°	104.8	139.7	241.7	199.4	176.7	186.1	989.0
77.5°	89.3	137.3	208.7	158.9	157.3	176.6	1164.8
78°	89.3	134.6	208.3	137.6	153.6	176.6	1164.8
78.5°	91.9	135.5	178.0	132.3	139.3	166.1	1202.6
79°	87.8	128.4	149.2	112.4	136.7	166.1	1202.6
79.5°	93.2	129.3	149.2	112.4	126.0	150.9	1147.8
80°	89.0	115.1	120.0	92.6	123.4	150.9	1147.8
80.5°	86.3	94.2	116.4	92.6	103.8	119.0	1037.8
81°	82.8	94.2	88.9	74.4	89.0	116.9	1037.8
81.5°	73.9	70.4	85.0	74.4	89.0	100.8	851.7
82°	70.9	70.4	52.9	58.2	76.5	97.2	851.4
82.5°	59.4	47.9	49.4	48.4	74.8	97.2	496.3
83°	41.2	45.1	12.9	42.0	65.9	110.8	269.4
83.5°	41.2	28.2	3.7	31.1	64.2	110.8	269.4
84°	20.6	24.9	3.7	31.1	64.2	215.8	213.8
84.5°	20.5	10.7	1.2	24.9	52.4	213.9	213.8
85°	8.0	3.2	0.3	24.9	33.7	418.0	213.4
85.5°	8.0	3.2	0.3	17.8	32.5	418.0	213.4
86°	0.9	1.0	0.2	17.8	23.6	470.3	197.9
86.5°	0.9	1.0	0.2	12.5	14.6	522.8	207.2
87°	0.0	0.0	0.0	12.5	14.6	522.8	185.0
87.5°	0.0	0.0	0.0	8.0	9.4	481.0	157.4
88°	0.0	0.0	0.0	5.3	8.9	481.0	157.4
88.5°	0.0	0.0	0.0	5.3	5.4	430.6	132.7
89°	0.0	0.0	0.0	2.7	4.9	430.6	132.7
89.5°	0.0	0.0	0.0	2.7	1.4	361.5	105.6

REPORT NUMBER: P1197222

CATALOG NUMBER: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	0.0	0.0	0.0	0.9	1.0	361.5	105.6
90.5°	0.0	0.0	0.0	0.9	0.2	291.9	78.4
91°	0.0	0.0	0.0	0.9	0.2	291.9	78.4
91.5°	0.0	0.0	0.0	0.9	0.2	228.7	58.5
92°	0.0	0.0	0.0	0.0	0.0	174.4	49.1
92.5°	0.0	0.0	0.0	0.0	0.0	174.4	40.2
93°	0.0	0.0	0.0	0.0	0.0	122.8	23.2
93.5°	0.0	0.0	0.0	0.0	0.0	122.8	23.2
94°	0.0	0.0	0.0	0.0	0.0	57.8	11.0
94.5°	0.0	0.0	0.0	0.0	0.0	57.8	11.0
95°	0.0	0.0	0.0	0.0	0.0	5.3	1.8
95.5°	0.0	0.0	0.0	0.0	0.0	5.3	1.8
96°	0.0	0.0	0.0	0.0	0.0	3.6	1.5
96.5°	0.0	0.0	0.0	0.0	0.0	3.6	1.5
97°	0.0	0.0	0.0	0.0	0.0	2.7	0.5
97.5°	0.0	0.0	0.0	0.0	0.0	2.7	0.5
98°	0.0	0.0	0.0	0.0	0.0	2.7	0.5
98.5°	0.0	0.0	0.0	0.0	0.0	1.8	0.3
99°	0.0	0.0	0.0	0.0	0.0	1.8	0.3
99.5°	0.0	0.0	0.0	0.0	0.0	1.8	0.3
100°	0.0	0.0	0.0	0.0	0.0	1.8	0.3
100.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
101°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
101.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
102°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
102.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
103°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
103.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
104°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
104.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
105°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
105.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
106°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
106.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
107°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
110°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
110.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
111°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
111.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
112°	0.0	0.0	0.0	0.0	0.0	0.9	0.2

REPORT NUMBER: P1197222

CATALOG NUMBER: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
113°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
113.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
114°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
114.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
115°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
115.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
116°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
116.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
117°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
118°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
118.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
119°	0.0	0.0	0.0	0.0	0.0	0.9	0.2
119.5°	0.0	0.0	0.0	0.0	0.9	1.0	0.2
120°	0.0	0.0	0.0	0.0	0.9	1.0	0.2
120.5°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
121°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
121.5°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
122°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
123°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
123.5°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
124°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
124.5°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
125°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
125.5°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
126°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
126.5°	0.0	0.0	0.0	0.9	1.0	1.0	1.0
127°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
127.5°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
128°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
128.5°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
129°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
129.5°	0.0	0.0	0.9	1.0	1.0	1.9	1.2
130°	0.0	0.0	0.9	1.0	1.0	1.9	1.2
130.5°	0.0	0.0	0.9	1.0	1.0	1.9	1.2
131°	0.0	0.0	0.0	0.9	1.0	1.9	1.2
131.5°	0.0	0.0	0.0	0.9	1.0	1.9	2.1
132°	0.0	0.0	0.9	1.0	1.0	1.9	2.1
132.5°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
133°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
133.5°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
134°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
134.5°	0.0	0.9	1.0	1.0	1.0	1.9	2.1

REPORT NUMBER: P1197222

CATALOG NUMBER: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
135.5°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
136°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
136.5°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
137°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
137.5°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
138°	0.0	0.9	1.0	1.0	1.0	1.9	2.1
138.5°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
139°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
139.5°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
140°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
140.5°	0.0	0.9	1.0	1.0	1.9	2.1	2.1
141°	0.0	0.9	1.0	1.9	2.1	2.1	2.1
141.5°	0.9	1.0	1.0	1.9	2.1	2.1	2.1
142°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
142.5°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
143°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
143.5°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
144°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
144.5°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
145°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
145.5°	1.0	1.0	1.0	1.9	2.1	2.1	2.1
146°	1.0	1.0	1.9	2.1	2.1	2.1	2.1
146.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
147°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
147.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
148°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
148.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
149°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
149.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
150°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
150.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
151°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
151.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
152°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
152.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
153°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
153.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
154°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
154.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
155°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
155.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
156°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
156.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
157°	1.0	1.9	2.1	2.1	2.1	2.1	2.1

REPORT NUMBER: P1197222

CATALOG NUMBER: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
158°	1.0	1.9	2.1	2.1	2.1	2.1	2.1
158.5°	1.2	1.9	2.1	2.1	2.1	2.1	2.1
159°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
159.5°	1.9	2.1	2.1	2.1	2.1	2.1	2.1
160°	1.9	2.1	2.1	2.1	2.1	2.1	2.1
160.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
161°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
161.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
162°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
163°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
163.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
164°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
164.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
165.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
166°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
166.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
168°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
168.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
169°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
169.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
170°	2.1	2.1	2.1	3.0	2.2	2.1	2.1
170.5°	2.1	2.1	2.1	3.0	2.2	3.0	2.2
171°	2.1	2.1	2.1	2.1	2.1	3.0	2.2
171.5°	2.1	2.1	2.1	2.1	2.1	3.0	2.2
172°	2.1	2.1	2.1	2.1	2.1	3.0	2.2
172.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
173°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
173.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
174°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
174.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
175.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
176°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
176.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
177°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
177.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
178°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
178.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
179°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
179.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P1197222
CATALOG NUMBER: AWPS150S-BZ-BZ-MID-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)