

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: P1197216

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

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197216
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-3000K-POSITION 0
Description: AWP Architectural
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 15600 (1 lamp)
Luminaire Lumens: 16620 lumens
Efficiency: 106.5%
Efficacy: 132.9 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: B3 - U1 - G2

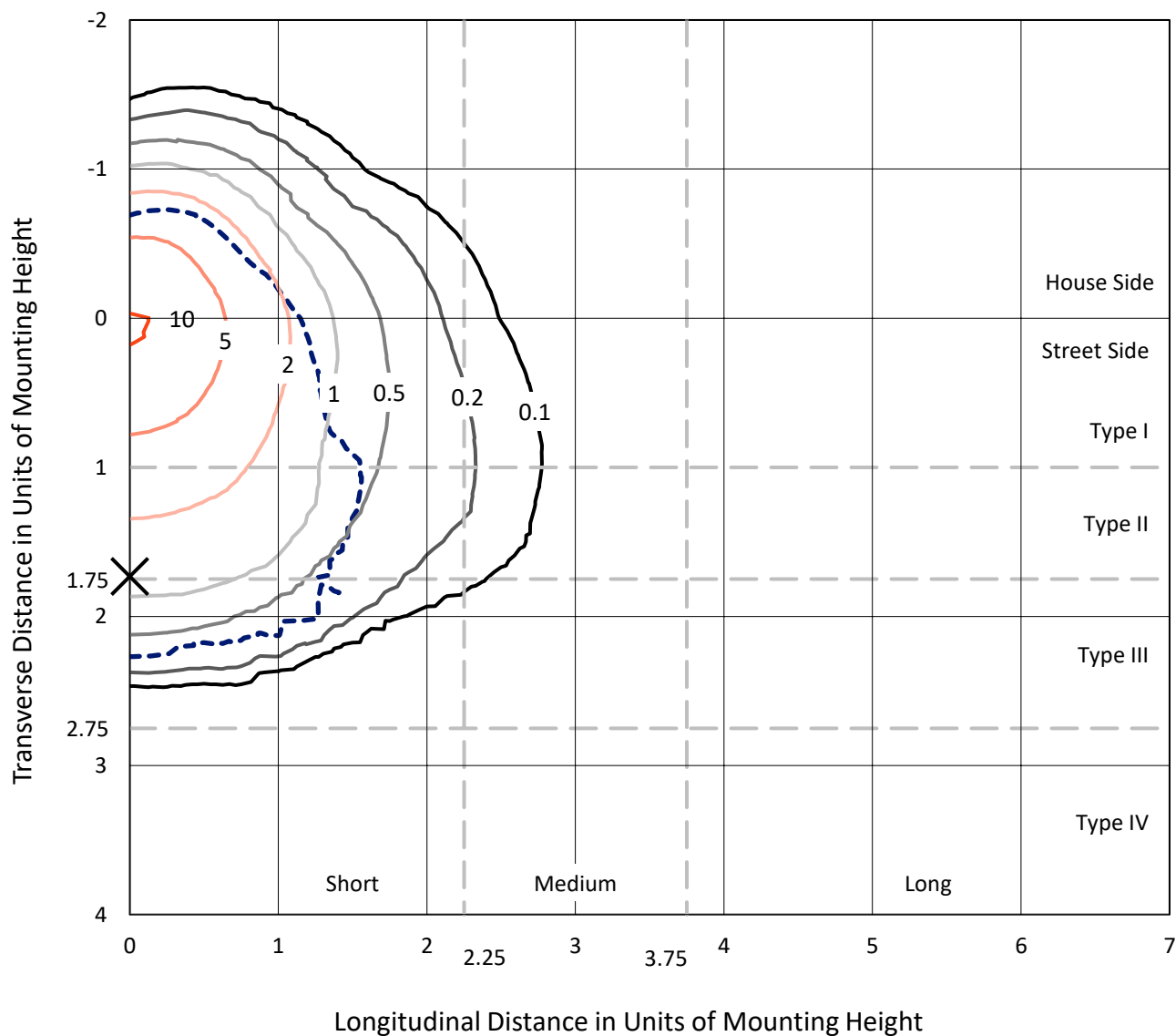
Input Watts (W): 125.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

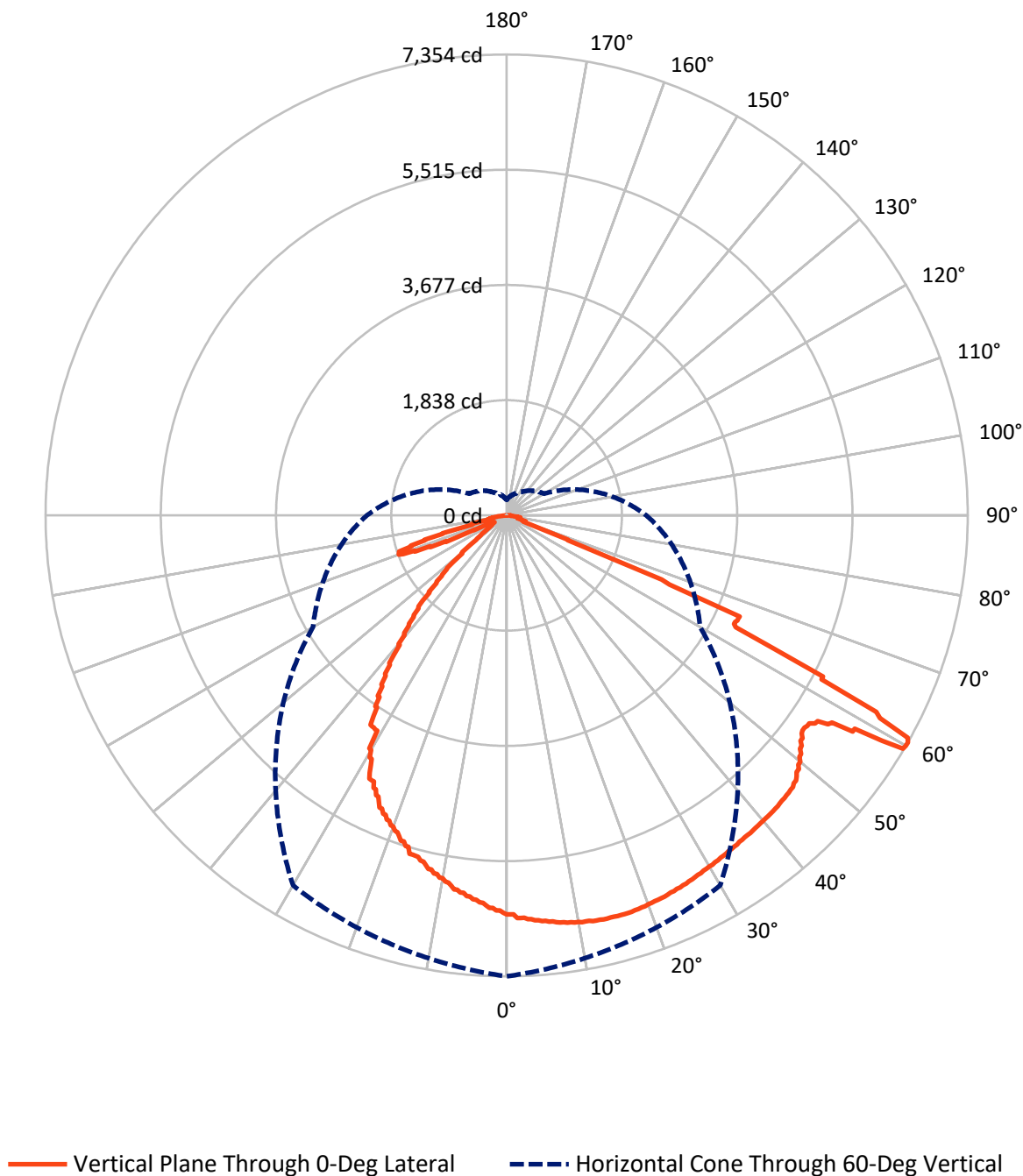


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - Cutoff

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Luminous Intensity Polar Plot



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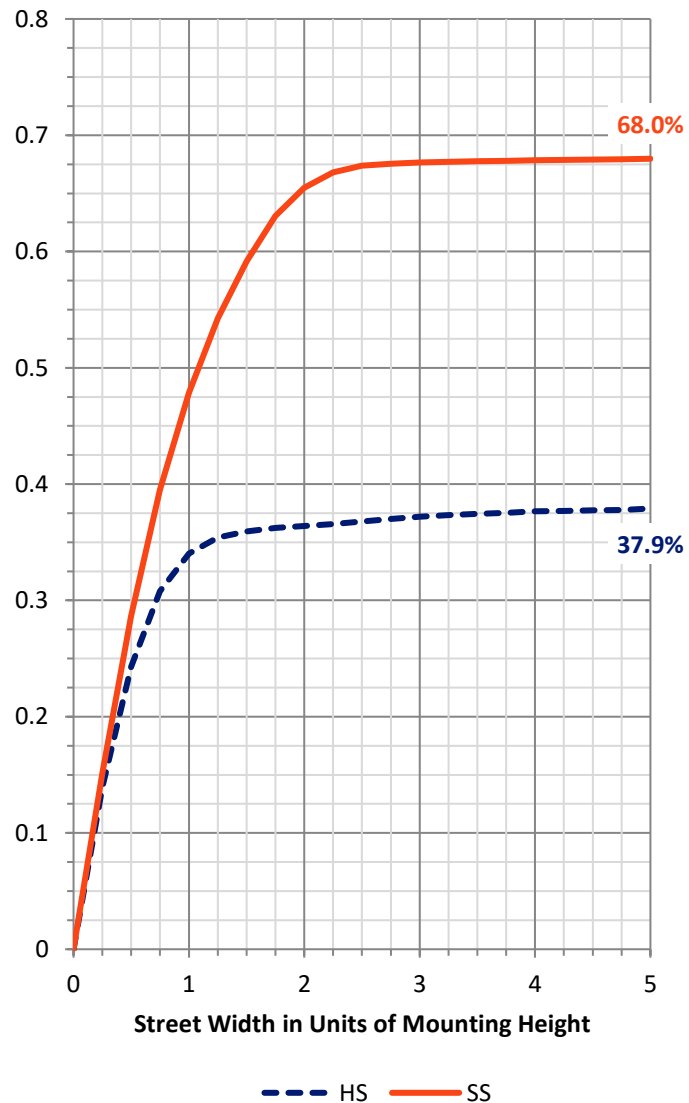
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6002.2	3.0	6005.2
	% Lamp	38.5	0.0	38.5
Street Side	Lumens	10612.6	2.2	10614.8
	% Lamp	68.0	0.0	68.0
Total	Lumens	16614.8	5.2	16620.0
	% Lamp	106.5	0.0	106.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	607.3	3.7	3.9
10°-20°	1738.0	10.5	11.1
20°-30°	2634.6	15.9	16.9
30°-40°	3160.7	19.0	20.3
40°-50°	3158.4	19.0	20.2
50°-60°	2745.3	16.5	17.6
60°-70°	1934.9	11.6	12.4
70°-80°	498.2	3.0	3.2
80°-90°	137.4	0.8	0.9
90°-100°	1.3	0.0	0.0
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°	0.7	0.0	0.0
140°-150°	0.8	0.0	0.0
150°-160°	0.8	0.0	0.0
160°-170°	0.6	0.0	0.0
170°-180°	0.2	0.0	0.0
0°-90°	16614.8	100.0	106.5
0°-180°	16620.0	100.0	106.5

Coefficient of Utilization



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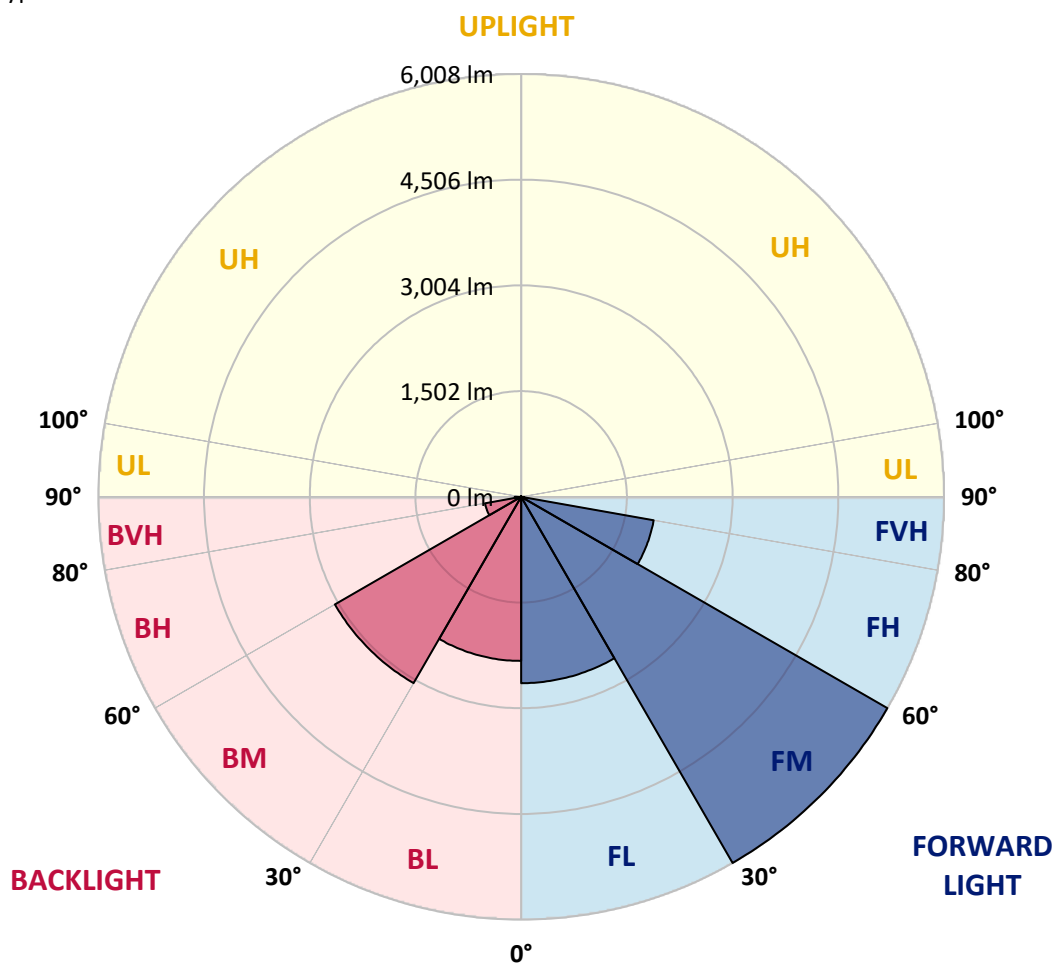
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2648.4	17.0			
FM	(30°-60°)	6007.9	38.5			
FH	(60°-80°)	1911.6	12.3			G2/5000
FVH	(80°-90°)	44.7	0.3			G1/100
BL	(0°-30°)	2331.6	14.9	B3/2500		
BM	(30°-60°)	3056.4	19.6	B3/5000		
BH	(60°-80°)	521.5	3.3	B2/1000		G2/1000
BVH	(80°-90°)	92.7	0.6			G1/100
UL	(90°-100°)	1.3	0.0		U1/10	
UH	(100°-180°)	3.9	0.0		U1/10	
Trapped Light		-1020.0	-6.5			

BUG Rating: B3-U1-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	6366.6	6366.6	6366.6	6366.6	6366.6	6366.6	6366.6
0.5°	6366.6	6366.6	6366.6	6366.6	6366.6	6366.6	6366.6
1°	6426.4	6433.3	6466.6	6455.5	6396.8	6434.4	6339.6
1.5°	6426.4	6433.3	6466.6	6455.5	6396.8	6416.2	6305.1
2°	6426.4	6451.6	6472.8	6455.1	6377.5	6413.5	6305.1
2.5°	6448.8	6454.4	6472.8	6448.7	6348.3	6388.5	6267.5
3°	6451.3	6471.7	6474.4	6448.6	6348.3	6388.5	6267.5
3.5°	6476.0	6475.2	6474.4	6441.3	6331.8	6359.0	6231.8
4°	6477.9	6489.8	6472.8	6440.8	6331.8	6359.0	6192.6
4.5°	6497.0	6504.3	6474.4	6430.7	6304.9	6321.7	6187.8
5°	6498.8	6504.3	6472.6	6430.5	6304.9	6321.7	6151.3
5.5°	6519.0	6519.8	6471.7	6422.8	6271.0	6291.5	6147.7
6°	6519.0	6519.8	6471.7	6422.8	6271.0	6260.5	6106.0
6.5°	6537.7	6534.1	6467.9	6407.4	6242.5	6256.8	6106.0
7°	6552.3	6536.1	6467.9	6407.4	6242.5	6224.0	6060.3
7.5°	6553.5	6545.2	6462.8	6399.3	6212.3	6219.9	6060.3
8°	6569.9	6547.5	6462.8	6381.0	6175.1	6185.8	6024.3
8.5°	6571.8	6554.8	6455.6	6379.9	6175.1	6185.8	6024.3
9°	6586.4	6556.9	6455.6	6364.4	6140.1	6137.4	5972.6
9.5°	6586.5	6562.4	6444.5	6362.7	6140.1	6137.4	5930.6
10°	6599.3	6570.5	6433.6	6338.2	6099.5	6093.9	5925.2
10.5°	6599.6	6570.5	6433.6	6338.2	6099.5	6056.5	5878.0
11°	6600.3	6572.4	6422.9	6319.4	6052.4	6050.2	5878.0
11.5°	6617.7	6574.8	6422.9	6319.4	6052.4	6012.8	5827.2
12°	6620.1	6577.0	6406.7	6298.8	6011.5	6007.4	5827.2
12.5°	6620.1	6577.0	6406.7	6272.4	5964.9	5957.6	5777.2
13°	6629.9	6576.6	6390.0	6270.1	5964.9	5957.6	5777.2
13.5°	6629.9	6576.6	6390.0	6246.4	5919.6	5910.7	5726.8
14°	6626.8	6574.5	6371.5	6243.8	5919.6	5910.7	5682.1
14.5°	6626.8	6574.5	6371.5	6214.6	5869.9	5856.8	5675.4
15°	6633.6	6572.8	6350.2	6211.7	5869.9	5856.8	5628.0
15.5°	6633.1	6564.6	6327.2	6182.1	5821.5	5805.9	5621.7
16°	6635.8	6565.0	6327.2	6182.1	5821.5	5761.2	5615.4
16.5°	6633.2	6557.7	6300.6	6142.1	5763.5	5753.7	5615.4
17°	6630.5	6557.3	6300.6	6142.1	5763.5	5710.9	5513.7
17.5°	6624.0	6544.8	6275.2	6113.2	5708.8	5703.7	5513.7
18°	6624.0	6544.8	6275.2	6080.4	5653.2	5643.6	5455.1
18.5°	6614.9	6531.8	6244.4	6040.7	5648.2	5643.6	5455.1
19°	6614.9	6531.8	6244.4	6040.7	5589.8	5584.3	5396.9
19.5°	6601.8	6517.5	6213.4	6036.6	5589.8	5584.3	5344.9
20°	6601.8	6503.8	6211.5	5998.3	5534.3	5527.1	5337.9
20.5°	6593.5	6502.9	6180.5	5993.9	5534.3	5527.1	5285.0
21°	6590.3	6487.4	6147.3	5954.9	5472.8	5466.3	5277.5
21.5°	6586.6	6486.9	6147.3	5954.9	5472.8	5413.4	5215.4
22°	6585.5	6469.6	6110.2	5909.0	5412.4	5405.7	5215.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	6573.6	6467.9	6110.2	5909.0	5348.5	5345.7	5149.8
23°	6560.9	6449.2	6074.0	5865.0	5343.0	5345.7	5149.8
23.5°	6560.9	6449.2	6074.0	5824.9	5282.6	5281.4	5080.8
24°	6547.5	6429.4	6035.9	5819.9	5282.6	5281.4	5080.8
24.5°	6547.5	6429.4	6035.9	5774.3	5215.1	5219.0	5007.6
25°	6536.1	6409.9	5995.9	5769.1	5215.1	5219.0	4931.9
25.5°	6536.1	6390.7	5958.6	5716.8	5144.6	5156.2	4924.3
26°	6520.4	6388.9	5958.6	5716.8	5144.6	5097.9	4839.5
26.5°	6517.4	6368.0	5918.2	5665.0	5077.0	5089.3	4839.5
27°	6506.5	6366.4	5918.2	5665.0	5077.0	5024.5	4743.7
27.5°	6496.6	6346.2	5872.7	5555.0	4997.6	5015.4	4743.7
28°	6496.6	6346.2	5872.7	5555.0	4928.3	4947.3	4735.5
28.5°	6477.8	6323.0	5829.6	5549.4	4928.3	4947.3	4648.0
29°	6477.8	6323.0	5829.6	5501.0	4852.2	4867.4	4541.5
29.5°	6466.5	6301.7	5787.6	5495.5	4852.2	4867.4	4444.8
30°	6466.5	6301.7	5787.6	5439.0	4772.2	4790.7	4435.4
30.5°	6453.2	6277.5	5739.7	5432.7	4772.2	4790.7	4325.1
31°	6450.6	6254.7	5690.0	5372.4	4696.3	4700.8	4313.8
31.5°	6439.6	6253.2	5690.0	5372.4	4696.3	4624.2	4005.7
32°	6436.0	6230.4	5643.0	5302.4	4612.5	4613.7	4005.7
32.5°	6430.5	6229.6	5643.0	5302.4	4612.5	4529.8	3993.9
33°	6418.3	6204.5	5591.3	5235.4	4529.3	4519.2	3993.9
33.5°	6418.3	6204.5	5591.3	5170.6	4439.0	4421.2	3981.8
34°	6409.9	6180.0	5537.8	5163.6	4439.0	4421.2	3848.6
34.5°	6409.9	6180.0	5537.8	5099.8	4355.2	4315.8	3694.8
35°	6395.8	6157.5	5483.8	5092.6	4355.2	4315.8	3694.8
35.5°	6395.8	6135.6	5480.7	5024.2	4266.3	4202.5	3535.5
36°	6387.5	6134.7	5426.9	5016.6	4266.3	4202.5	3535.5
36.5°	6385.7	6114.7	5372.1	4941.8	4171.1	4086.5	3371.3
37°	6385.7	6114.7	5372.1	4941.8	4171.1	3972.5	3355.3
37.5°	6382.6	6095.5	5310.2	4865.1	4070.3	3959.7	3203.9
38°	6370.7	6093.9	5310.2	4865.1	3977.2	3826.3	3187.0
38.5°	6368.7	6074.7	5247.3	4781.8	3966.7	3826.3	3027.4
39°	6365.0	6055.0	5244.6	4711.6	3855.6	3678.9	3008.7
39.5°	6362.7	6055.0	5188.1	4703.7	3855.6	3678.9	2851.8
40°	6359.1	6054.5	5188.1	4622.5	3745.7	3530.1	2679.6
40.5°	6356.6	6038.1	5121.9	4613.5	3745.7	3530.1	2679.6
41°	6353.0	6020.3	5054.7	4519.6	3627.1	3373.7	2512.0
41.5°	6351.7	6020.3	5054.7	4519.6	3627.1	3226.0	2491.2
42°	6344.8	6002.3	4986.6	4425.6	3500.3	3209.8	2349.0
42.5°	6344.8	6002.3	4986.6	4425.6	3500.3	3058.4	2327.7
43°	6332.5	5983.6	4917.6	4333.2	3366.4	3041.3	2195.4
43.5°	6325.2	5982.5	4917.6	4242.0	3231.4	2869.0	2173.6
44°	6323.0	5967.0	4847.1	4232.4	3231.4	2869.0	2044.1
44.5°	6311.2	5965.4	4847.1	4144.0	3088.5	2692.0	2021.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	6309.0	5947.1	4773.4	4134.0	3088.5	2692.0	1907.8
45.5°	6299.9	5933.1	4771.6	4040.0	2944.0	2515.8	1741.6
46°	6298.5	5933.1	4696.8	4029.5	2944.0	2515.8	1741.6
46.5°	6263.5	5916.0	4615.7	3920.8	2795.3	2344.5	1555.1
47°	6263.5	5916.0	4615.7	3920.8	2795.3	2196.8	1534.3
47.5°	6226.4	5889.3	4532.3	3813.7	2637.8	2176.5	1412.1
48°	6178.1	5882.5	4532.3	3813.7	2637.8	2038.8	1392.7
48.5°	6173.1	5861.6	4450.1	3701.4	2471.2	2017.4	1284.2
49°	6119.3	5854.0	4450.1	3603.8	2299.8	1863.9	1265.8
49.5°	6115.7	5828.5	4370.8	3593.1	2299.8	1863.9	1129.9
50°	6050.9	5819.3	4370.8	3491.9	2118.6	1721.0	932.5
50.5°	6045.0	5792.0	4288.5	3480.9	2118.6	1721.0	932.5
51°	5978.5	5753.4	4284.4	3386.0	1939.3	1585.5	916.7
51.5°	5973.8	5753.4	4193.2	3373.2	1939.3	1480.6	739.7
52°	5908.4	5707.7	4098.6	3261.2	1772.2	1459.0	620.2
52.5°	5908.4	5707.7	4098.6	3261.2	1772.2	1353.3	605.3
53°	5851.7	5669.5	4004.9	3148.4	1623.1	1334.3	519.6
53.5°	5833.5	5667.0	4004.9	3041.7	1495.0	1162.4	497.7
54°	5833.5	5634.1	3909.1	3028.8	1495.0	1162.4	432.9
54.5°	5853.7	5637.5	3909.1	3028.8	1409.3	1030.9	416.1
55°	5856.9	5610.1	3826.8	2861.0	1387.2	1030.9	375.1
55.5°	5932.6	5620.8	3826.8	2861.0	1318.8	896.4	334.7
56°	5949.4	5634.4	3754.8	2741.1	1303.4	896.4	334.7
56.5°	6114.5	5759.8	3690.8	2730.1	1202.2	740.8	303.9
57°	6150.6	5759.8	3690.8	2612.5	1185.7	628.6	288.1
57.5°	6510.7	6020.8	3639.4	2600.9	1032.5	607.1	288.1
58°	6510.7	6020.8	3639.4	2486.0	1016.3	536.8	278.2
58.5°	6985.8	6409.8	3597.2	2473.6	863.1	515.3	272.8
59°	7334.1	6458.8	3597.2	2356.9	755.5	456.9	266.3
59.5°	7351.0	6814.5	3563.4	2228.3	739.1	456.9	252.7
60°	7353.8	6814.8	3563.4	2228.3	690.7	423.6	248.9
60.5°	7315.2	6981.7	3504.8	2104.6	674.9	423.6	232.5
61°	6777.1	6721.8	3478.9	2104.6	643.9	400.1	220.7
61.5°	6679.1	6721.8	3400.4	1982.3	628.3	400.1	220.7
62°	5663.4	5989.4	3248.6	1973.0	605.5	372.3	224.5
62.5°	5663.4	5989.4	3248.6	1859.0	589.5	351.3	221.6
63°	4722.4	5018.1	3076.7	1851.4	570.3	348.6	252.6
63.5°	4067.5	4939.6	3076.7	1737.4	554.3	337.7	251.1
64°	4021.4	4233.8	2932.8	1618.1	515.6	334.5	251.1
64.5°	4024.1	4234.2	2932.8	1618.1	506.4	326.8	255.6
65°	4046.8	3831.1	2846.9	1500.0	490.4	326.8	255.6
65.5°	4042.2	3830.5	2846.9	1500.0	490.4	323.1	295.2
66°	4051.0	3909.8	2865.3	1387.0	465.3	321.9	560.6
66.5°	2823.6	3904.9	2948.2	1395.4	454.3	317.6	560.2
67°	2678.5	3904.9	2948.2	1281.4	438.3	311.2	1046.3

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	1054.3	2941.0	2968.6	1299.3	422.8	309.0	1046.3
68°	1054.3	2941.0	2968.6	1184.4	406.6	300.8	1315.0
68.5°	371.6	1526.3	2875.8	1197.8	389.3	298.4	1315.0
69°	304.1	1516.9	2875.8	1099.3	358.1	289.6	1570.4
69.5°	277.2	576.7	2721.6	1013.2	346.4	289.6	1570.4
70°	282.6	577.5	2721.6	1013.2	330.9	281.0	1756.4
70.5°	315.2	261.2	2544.2	898.9	317.5	281.0	1827.6
71°	315.2	261.2	2544.2	898.9	302.0	256.0	1824.3
71.5°	313.7	234.8	2300.7	778.5	289.8	256.0	1813.4
72°	310.0	217.8	1967.4	731.9	275.2	226.6	1809.6
72.5°	311.8	217.8	1967.4	686.3	268.8	192.0	1600.4
73°	246.2	218.9	1553.9	628.0	255.1	190.0	1600.4
73.5°	246.2	218.9	1553.9	585.1	249.1	151.7	1363.4
74°	211.3	212.3	1179.6	532.5	230.8	149.2	1363.4
74.5°	197.6	210.4	1179.6	486.9	208.9	108.7	1059.8
75°	194.3	163.0	882.9	399.6	202.4	108.7	1059.8
75.5°	181.5	161.2	882.9	399.6	188.7	99.5	567.3
76°	180.2	129.3	656.9	315.6	181.2	99.5	567.3
76.5°	193.9	121.2	655.4	315.6	168.5	105.9	568.4
77°	192.4	121.2	476.7	231.1	160.1	105.9	568.4
77.5°	207.2	110.4	352.7	213.9	131.0	117.3	294.3
78°	207.2	110.4	352.7	169.3	124.7	203.0	306.4
78.5°	217.7	110.8	283.3	159.5	101.9	199.8	245.3
79°	221.4	111.3	283.3	134.0	98.3	464.2	282.5
79.5°	223.1	119.5	240.7	111.4	81.4	462.2	239.6
80°	223.1	119.5	240.7	111.4	73.2	730.0	277.5
80.5°	209.9	128.4	202.1	92.1	71.2	730.0	245.6
81°	209.9	128.4	202.1	92.1	57.6	792.9	228.2
81.5°	176.1	134.5	171.7	74.8	55.8	792.9	228.2
82°	176.1	140.9	147.1	71.2	35.7	751.7	194.6
82.5°	130.7	134.5	147.1	61.2	34.3	675.1	183.8
83°	129.9	136.3	122.7	57.7	22.4	673.5	157.3
83.5°	92.5	131.0	122.7	48.6	21.2	577.7	143.9
84°	90.3	126.5	95.6	44.9	13.9	576.7	118.3
84.5°	71.2	123.8	95.6	37.6	8.3	480.3	104.9
85°	65.0	108.8	62.6	26.9	7.4	480.3	80.2
85.5°	65.0	108.8	62.6	26.9	4.6	379.6	66.1
86°	70.5	88.2	26.7	16.8	3.9	379.6	54.3
86.5°	70.5	88.2	26.7	16.8	2.1	250.8	35.3
87°	71.8	65.1	7.8	10.0	1.4	250.8	35.3
87.5°	71.8	44.1	4.9	10.0	1.4	144.1	20.3
88°	69.8	44.1	4.9	6.4	0.9	61.1	8.6
88.5°	69.8	27.7	2.6	6.4	0.9	61.1	8.6
89°	66.4	27.5	2.6	3.6	0.5	3.6	0.5
89.5°	58.4	15.5	1.0	3.6	0.5	3.6	0.5

REPORT NUMBER: P1197216

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	58.4	15.5	1.0	1.8	0.3	1.8	0.3
90.5°	44.7	8.1	0.3	0.9	0.1	1.8	0.3
91°	44.7	7.2	0.1	0.9	0.1	1.8	0.3
91.5°	23.7	4.2	0.1	0.0	0.0	1.8	0.3
92°	23.7	3.3	0.0	0.0	0.0	0.9	0.1
92.5°	2.7	0.4	0.0	0.0	0.0	0.9	0.1
93°	2.7	0.4	0.0	0.0	0.0	0.9	0.1
93.5°	0.9	0.1	0.0	0.0	0.0	0.9	0.1
94°	0.9	0.1	0.0	0.0	0.0	0.9	0.1
94.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
95°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
95.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
96°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
96.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
97°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
97.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
98°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
98.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
99°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
99.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
100°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
100.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
101°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
101.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
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	0.9	0.1
105°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
105.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
106°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
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	0.9	0.1
108°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
108.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
109°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
109.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
110°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
110.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
111°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
111.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
112°	0.0	0.0	0.0	0.0	0.0	0.9	0.1

REPORT NUMBER: P1197216

CATALOG NUMBER: AWPS150S-BZ-BZ-MID-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	0.9	0.1
113°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
113.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
114°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
114.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.1
115°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
116°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
117°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
118°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
119°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.9	1.0
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	2.0	1.2
122.5°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
123°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
123.5°	0.0	0.0	0.0	0.0	0.9	1.0	1.0
124°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
124.5°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
125°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
125.5°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
126°	0.0	0.0	0.0	0.0	0.9	2.0	1.2
126.5°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
127°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
127.5°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
128°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
128.5°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
129°	0.0	0.0	0.0	0.9	1.0	2.0	1.2
129.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
130°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
130.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
131°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
131.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
132°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
132.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
133°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
133.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
134°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
134.5°	0.0	0.0	0.9	1.0	1.0	2.0	2.1

REPORT NUMBER: P1197216

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.0	0.0	0.9	1.0	1.0	2.0	2.1
135.5°	0.0	0.0	0.9	1.0	1.0	2.0	2.1
136°	0.0	0.0	0.9	1.0	1.0	2.0	2.1
136.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
137°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
137.5°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
138°	0.0	0.0	0.0	0.9	1.0	2.0	2.1
138.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
139°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
139.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
140°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
140.5°	0.0	0.0	0.9	1.0	1.0	2.0	2.1
141°	0.0	0.0	0.9	1.0	1.0	2.0	2.1
141.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
142°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
142.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
143°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
143.5°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
144°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
144.5°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
145°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
145.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
146°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
146.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
147°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
147.5°	0.0	0.9	1.0	1.0	1.0	2.0	2.1
148°	0.0	0.9	1.0	1.0	2.0	2.1	2.1
148.5°	0.0	0.9	1.0	2.0	2.1	2.1	2.1
149°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
149.5°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
150°	0.0	0.9	1.0	2.0	2.1	2.1	2.1
150.5°	0.1	0.9	1.0	2.0	2.1	2.1	2.1
151°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
151.5°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
152°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
152.5°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
153°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
153.5°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
154°	0.9	1.0	1.0	2.0	2.1	2.1	2.1
154.5°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
155°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
155.5°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
156°	1.0	1.0	1.0	2.0	2.1	2.1	2.1
156.5°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
157°	1.0	1.0	2.0	2.1	2.1	2.1	2.1

REPORT NUMBER: P1197216

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

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
158°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
158.5°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
159°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
159.5°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
160°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
160.5°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
161°	1.0	1.0	2.0	2.1	2.1	2.1	2.1
161.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
162°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
162.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
163°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
163.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
164°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
164.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
165°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
165.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
166°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
166.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
167°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
167.5°	1.0	2.0	2.1	2.1	2.1	2.1	2.1
168°	1.2	2.0	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°	2.0	2.1	2.1	2.1	2.1	2.1	2.1
169.5°	2.0	2.1	2.1	2.1	2.1	2.1	2.1
170°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
170.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
171°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
171.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
172°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P1197216
CATALOG NUMBER: AWPS150S-BZ-BZ-MID-3000K-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)