

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: P1197112

Luminaire Tested: AWPf150S-BZ-BZ-HIGH-5000K-POSITION 0

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197112
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: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 20250 (1 lamp)
Luminaire Lumens: 20488 lumens
Efficiency: 101.2%
Efficacy: 136.5 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): 150.1
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

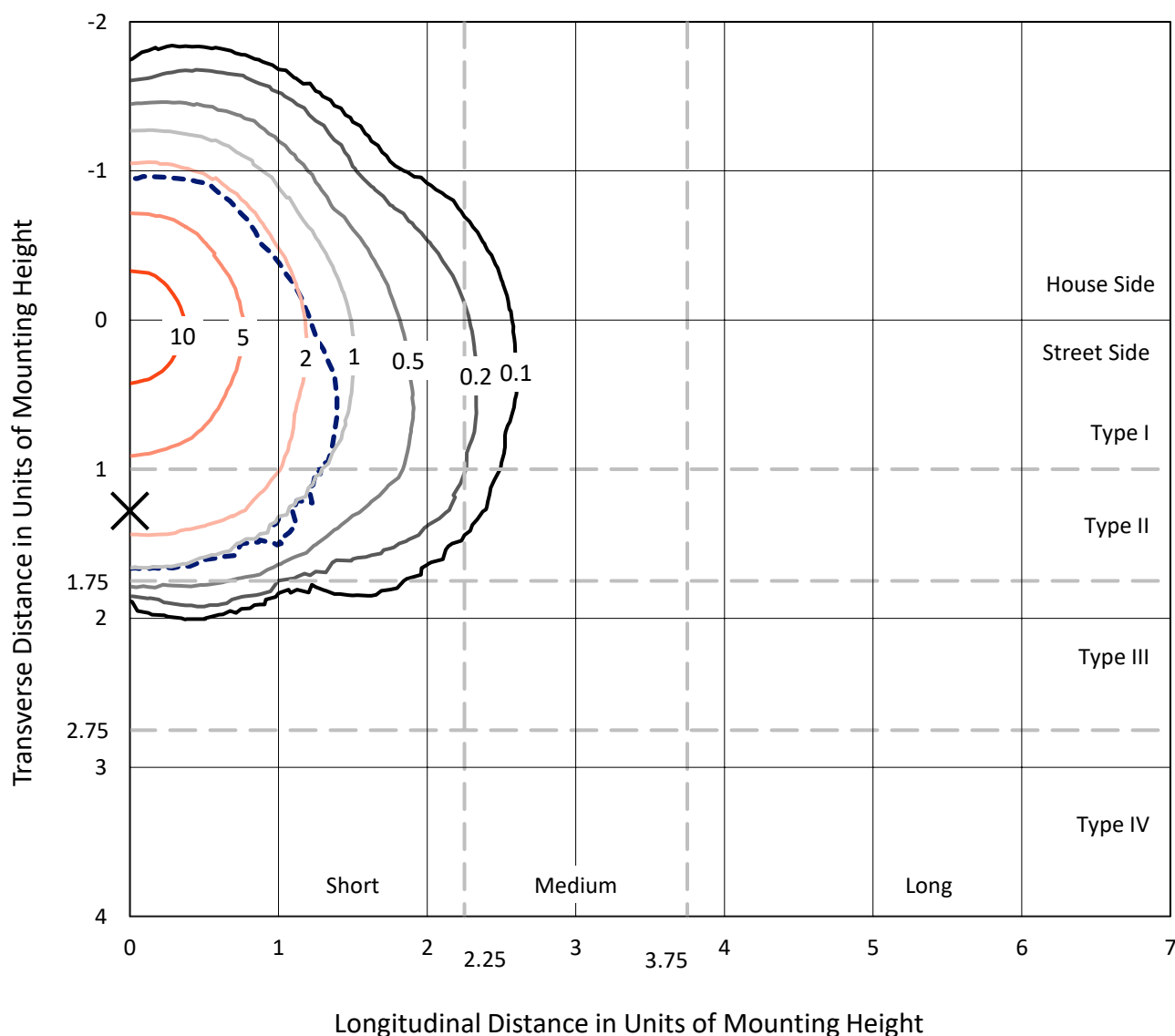
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

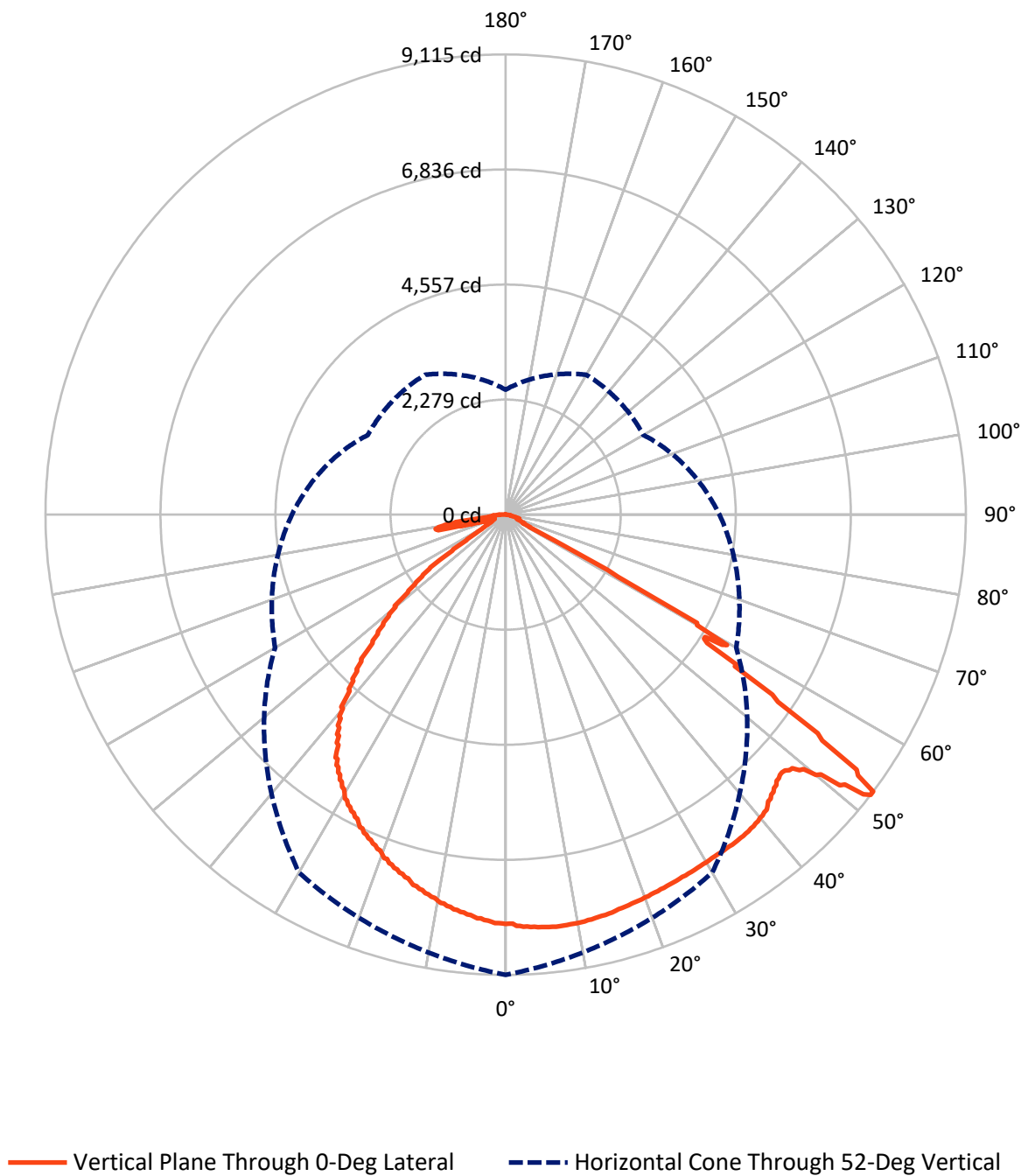


Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - Cutoff

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Luminous Intensity Polar Plot



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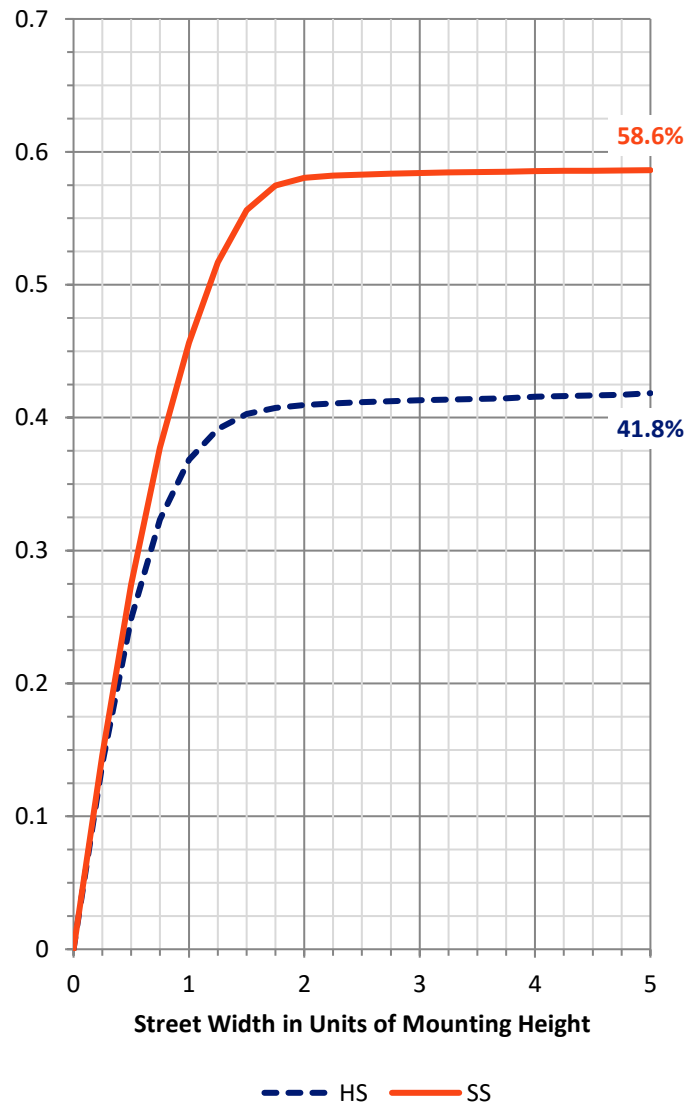
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8611.5	24.5	8636.0
	% Lamp	42.5	0.1	42.6
Street Side	Lumens	11850.1	1.9	11852.0
	% Lamp	58.5	0.0	58.5
Total	Lumens	20461.6	26.4	20488.0
	% Lamp	101.0	0.1	101.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	770.3	3.8	3.8
10°-20°	2206.0	10.8	10.9
20°-30°	3366.9	16.4	16.6
30°-40°	4135.1	20.2	20.4
40°-50°	4319.8	21.1	21.3
50°-60°	3702.5	18.1	18.3
60°-70°	1461.4	7.1	7.2
70°-80°	365.0	1.8	1.8
80°-90°	134.6	0.7	0.7
90°-100°	21.0	0.1	0.1
100°-110°	0.2	0.0	0.0
110°-120°	0.2	0.0	0.0
120°-130°	0.6	0.0	0.0
130°-140°	1.0	0.0	0.0
140°-150°	1.3	0.0	0.0
150°-160°	1.1	0.0	0.0
160°-170°	0.7	0.0	0.0
170°-180°	0.2	0.0	0.0
0°-90°	20461.6	99.9	101.0
0°-180°	20488.0	100.0	101.2

Coefficient of Utilization



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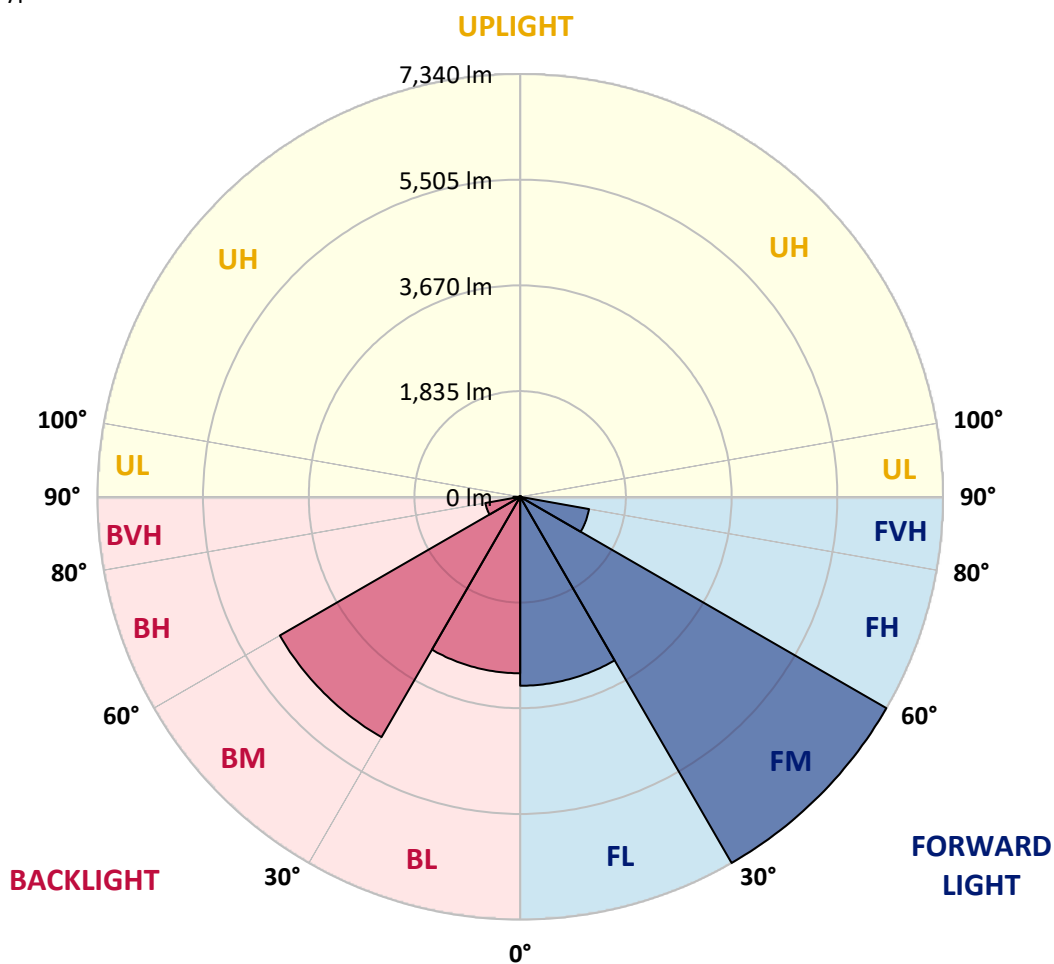
CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3279.3	16.2			
FM	(30°-60°)	7340.3	36.2			
FH	(60°-80°)	1213.3	6.0			G1/1800
FVH	(80°-90°)	17.3	0.1			G1/100
BL	(0°-30°)	3064.0	15.1	B4/5000		
BM	(30°-60°)	4817.0	23.8	B3/5000		
BH	(60°-80°)	613.1	3.0	B2/1000		G2/1000
BVH	(80°-90°)	117.3	0.6			G2/225
UL	(90°-100°)	21.0	0.1		U2/50	
UH	(100°-180°)	5.3	0.0		U1/10	
Trapped Light		-238.0	-1.2			

BUG Rating: B4-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	8103.2	8103.2	8103.2	8103.2	8103.2	8103.2	8103.2
0.5°	8103.2	8103.2	8103.2	8103.2	8103.2	8103.2	8103.2
1°	8149.7	8136.8	8154.9	8160.3	8125.0	8159.7	8094.5
1.5°	8151.2	8149.3	8155.0	8159.9	8109.3	8144.3	8092.3
2°	8166.9	8152.1	8152.9	8156.4	8108.8	8144.3	8092.3
2.5°	8168.1	8160.4	8154.3	8156.4	8089.9	8124.3	8068.4
3°	8179.7	8169.8	8152.5	8148.5	8088.6	8124.3	8044.4
3.5°	8180.2	8169.8	8152.5	8148.5	8067.7	8102.9	8041.3
4°	8195.9	8183.0	8145.9	8138.7	8046.3	8081.6	8012.0
4.5°	8195.9	8183.0	8145.9	8138.7	8046.3	8081.6	8012.0
5°	8205.3	8187.8	8136.0	8127.4	8020.6	8056.4	7984.2
5.5°	8213.7	8189.2	8136.0	8113.8	8018.2	8056.4	7957.0
6°	8213.7	8191.3	8125.9	8112.0	7994.1	8031.3	7953.4
6.5°	8220.3	8192.6	8111.2	8096.9	7991.9	8031.3	7923.0
7°	8220.3	8190.5	8110.9	8096.9	7962.6	8003.1	7919.0
7.5°	8219.6	8190.5	8093.0	8078.0	7959.9	8003.1	7887.5
8°	8218.3	8185.3	8092.1	8078.0	7930.5	7970.8	7882.8
8.5°	8212.0	8180.0	8073.6	8057.1	7896.0	7965.3	7844.1
9°	8210.2	8180.0	8073.6	8057.1	7896.0	7938.1	7839.3
9.5°	8212.3	8172.0	8049.1	8033.2	7859.0	7901.9	7796.3
10°	8210.5	8172.0	8049.1	8033.2	7859.0	7901.9	7796.3
10.5°	8207.3	8158.9	8023.9	8006.2	7816.3	7866.9	7756.8
11°	8195.2	8157.0	8023.9	7981.0	7811.9	7866.9	7717.0
11.5°	8195.2	8145.5	7995.7	7976.5	7775.2	7823.8	7710.6
12°	8181.5	8143.5	7967.4	7945.4	7770.7	7823.8	7670.8
12.5°	8178.6	8127.8	7964.7	7945.4	7730.9	7780.2	7664.5
13°	8170.2	8114.8	7935.4	7914.4	7726.3	7780.2	7613.1
13.5°	8170.2	8114.8	7935.4	7914.4	7681.3	7734.7	7606.6
14°	8160.3	8098.9	7902.5	7878.8	7635.2	7727.6	7565.7
14.5°	8157.6	8098.9	7902.5	7878.8	7635.2	7686.7	7558.6
15°	8141.9	8078.3	7869.0	7840.0	7583.2	7634.7	7508.0
15.5°	8124.5	8075.8	7869.0	7806.5	7577.4	7634.7	7457.7
16°	8124.5	8058.0	7831.4	7800.4	7528.2	7583.2	7450.3
16.5°	8114.2	8056.7	7831.4	7762.7	7521.6	7583.2	7402.1
17°	8110.6	8035.7	7796.3	7757.3	7472.4	7529.6	7394.2
17.5°	8094.9	8033.0	7796.3	7717.5	7465.5	7529.6	7345.0
18°	8092.5	8013.1	7757.2	7711.3	7408.9	7469.5	7336.3
18.5°	8086.2	7992.1	7717.1	7666.1	7402.1	7469.5	7284.9
19°	8082.9	7992.1	7717.1	7666.1	7348.7	7408.9	7276.0
19.5°	8068.3	7970.7	7676.1	7618.7	7284.0	7347.5	7213.7
20°	8064.8	7970.7	7676.1	7618.7	7284.0	7347.5	7213.7
20.5°	8051.2	7947.4	7632.7	7566.7	7217.5	7286.0	7153.4
21°	8043.0	7946.5	7632.7	7522.8	7209.9	7286.0	7097.9
21.5°	8043.0	7925.5	7591.3	7516.2	7148.1	7219.7	7088.2
22°	8031.9	7924.1	7549.4	7463.9	7140.2	7219.7	7034.8

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CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	8028.8	7902.1	7545.6	7463.9	7077.4	7151.1	7024.8
23°	8017.3	7900.1	7500.6	7405.7	7068.6	7151.1	6970.3
23.5°	8013.8	7880.2	7497.1	7405.7	7002.6	7078.9	6959.7
24°	8003.4	7858.5	7448.6	7346.6	6927.7	7067.4	6909.5
24.5°	8000.3	7858.5	7448.6	7346.6	6927.7	7008.8	6899.2
25°	7994.0	7834.3	7398.5	7284.1	6813.5	6926.6	6830.5
25.5°	7983.7	7833.0	7398.5	7284.1	6813.5	6926.6	6830.5
26°	7983.7	7812.1	7394.8	7228.6	6803.8	6864.8	6760.1
26.5°	7979.4	7811.9	7346.7	7161.5	6720.3	6852.1	6699.3
27°	7976.3	7792.0	7292.9	7152.8	6720.3	6789.2	6688.4
27.5°	7966.9	7790.4	7240.6	7084.0	6636.6	6776.5	6627.6
28°	7964.3	7770.5	7237.1	7084.0	6636.6	6714.7	6616.9
28.5°	7954.9	7743.7	7180.3	7009.9	6545.7	6700.8	6553.0
29°	7951.6	7743.7	7180.3	7009.9	6545.7	6639.0	6542.2
29.5°	7948.5	7723.2	7119.3	6934.9	6453.7	6625.0	6473.1
30°	7945.5	7723.2	7119.3	6867.9	6359.3	6544.6	6461.6
30.5°	7938.2	7700.0	7055.7	6857.5	6359.3	6474.4	6374.0
31°	7936.0	7700.0	7055.7	6790.5	6264.9	6460.0	6305.9
31.5°	7932.9	7681.6	6992.9	6780.1	6264.9	6390.9	6293.8
32°	7935.2	7682.5	6933.3	6701.6	6169.3	6376.3	6205.9
32.5°	7932.8	7667.9	6930.7	6701.6	6169.3	6305.1	6193.5
33°	7925.5	7666.6	6866.8	6615.1	6068.2	6289.7	6103.4
33.5°	7923.3	7645.6	6863.2	6615.1	6068.2	6219.6	6091.2
34°	7930.6	7632.3	6797.8	6529.8	5970.4	6204.8	5999.0
34.5°	7927.9	7632.3	6797.8	6529.8	5877.2	6116.3	5986.4
35°	7919.5	7613.0	6726.6	6439.4	5863.5	6041.9	5874.0
35.5°	7916.6	7613.0	6726.6	6439.4	5774.4	6026.4	5874.0
36°	7916.6	7596.2	6653.5	6347.5	5760.6	5944.7	5756.1
36.5°	7905.4	7594.6	6653.5	6265.9	5654.2	5928.7	5637.7
37°	7905.4	7574.7	6583.0	6254.2	5654.2	5843.8	5622.9
37.5°	7889.9	7572.3	6512.8	6155.0	5543.7	5738.2	5484.9
38°	7886.5	7560.8	6510.8	6155.0	5543.7	5738.2	5484.9
38.5°	7868.7	7557.7	6437.5	6142.3	5445.3	5721.1	5351.9
39°	7865.2	7545.1	6435.3	6142.3	5445.3	5626.8	5335.5
39.5°	7839.0	7525.9	6359.5	6129.5	5346.8	5609.7	5194.1
40°	7835.2	7525.9	6359.5	6129.5	5242.1	5491.9	5176.7
40.5°	7809.0	7501.5	6275.3	6115.4	5242.1	5382.0	5011.0
41°	7802.8	7501.5	6275.3	6115.4	5139.5	5364.1	5011.0
41.5°	7751.5	7468.4	6193.6	6101.9	5139.5	5252.0	4829.1
42°	7701.3	7460.8	6193.6	6101.9	5030.5	5233.0	4664.7
42.5°	7695.3	7431.4	6103.7	5559.3	4938.6	5110.5	4643.3
43°	7645.0	7422.7	6014.7	5543.8	4827.6	5091.2	4469.5
43.5°	7637.9	7389.2	6008.8	5439.1	4809.4	4957.1	4446.1
44°	7585.5	7347.6	5919.4	5315.6	4675.2	4937.0	4274.4
44.5°	7579.3	7347.6	5919.4	5315.6	4675.2	4797.8	4250.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	7524.8	7305.6	5835.2	5301.9	4551.6	4776.2	4072.0
45.5°	7519.9	7305.6	5835.2	5191.9	4404.7	4604.2	4046.0
46°	7487.4	7272.7	5700.6	5055.1	4384.8	4447.1	3842.6
46.5°	7484.0	7272.7	5700.6	5055.1	4250.7	4423.8	3663.6
47°	7503.9	7245.8	5695.3	4939.9	4230.7	4255.1	3634.2
47.5°	7562.9	7255.5	5695.3	4939.9	4088.2	4230.3	3462.4
48°	7579.8	7241.9	5488.7	4786.0	4067.6	4060.7	3432.9
48.5°	7714.9	7265.4	5488.7	4786.0	3924.1	4035.7	3265.3
49°	7755.1	7280.1	5398.0	4647.2	3902.8	3857.6	3234.3
49.5°	8024.2	7435.9	5417.0	4647.2	3755.1	3831.9	3067.8
50°	8087.5	7435.9	5324.8	4510.7	3569.7	3622.1	3036.2
50.5°	8519.0	7756.1	5367.5	4510.7	3569.7	3443.0	2843.7
51°	8584.0	7756.1	5289.0	4372.4	3548.0	3443.0	2843.7
51.5°	8993.5	8172.0	5349.0	4246.7	3346.0	3231.5	2656.3
52°	9114.8	8185.2	5273.6	4233.6	3151.2	3197.5	2475.1
52.5°	9114.8	8544.4	5336.1	4107.9	3129.3	3019.5	2444.1
53°	8682.3	8470.3	5257.6	4094.2	2925.0	2983.9	2255.6
53.5°	8591.1	8737.4	5220.3	3948.7	2902.2	2810.1	2225.3
54°	7704.0	8582.9	5220.3	3948.7	2698.0	2774.5	2055.6
54.5°	7547.5	8558.8	5138.6	3802.2	2674.8	2608.0	2026.6
55°	6546.3	7893.2	5053.1	3802.2	2472.7	2572.8	1852.8
55.5°	6372.8	7893.2	4971.4	3651.8	2255.2	2376.7	1824.5
56°	5444.9	6844.5	4816.9	3651.8	2255.2	2216.4	1579.8
56.5°	5444.9	6844.5	4733.1	3496.9	2055.9	2186.0	1275.0
57°	4730.3	5768.1	4562.9	3357.6	2031.6	2031.0	1248.0
57.5°	4635.8	5767.2	4485.4	3344.1	1882.9	2005.1	929.6
58°	4634.0	4938.8	4280.4	3190.0	1857.9	1853.2	903.2
58.5°	4998.5	5002.2	4280.4	3190.0	1729.1	1830.8	678.0
59°	5087.7	4451.3	4144.6	3038.6	1703.9	1650.6	646.6
59.5°	4376.5	4288.7	4137.9	3038.6	1564.6	1626.3	545.0
60°	4354.6	4288.7	4132.6	2890.0	1367.1	1418.4	514.0
60.5°	2538.6	4487.7	4222.4	2890.0	1367.1	1418.4	482.6
61°	2302.2	4487.7	4290.5	2759.4	1146.5	1207.3	451.8
61.5°	1135.4	4241.6	4283.0	2759.4	1146.5	972.7	395.2
62°	537.2	4184.1	4445.3	2641.1	950.2	942.9	384.7
62.5°	537.2	2905.3	4222.6	2496.5	925.0	687.4	340.2
63°	400.7	2906.2	4373.4	2522.8	817.2	668.6	335.0
63.5°	373.5	1401.2	4162.6	2386.2	791.8	502.1	306.0
64°	408.1	1407.2	4162.6	2386.2	727.9	490.9	304.9
64.5°	406.6	522.2	3871.3	2224.0	703.8	430.2	294.3
65°	359.5	302.4	3834.4	2224.0	666.1	398.5	292.1
65.5°	359.5	302.4	3529.6	2032.7	614.8	393.8	292.1
66°	330.1	289.5	3528.4	2032.7	614.8	393.8	293.1
66.5°	323.7	289.5	3117.8	1825.0	571.2	355.7	287.1
67°	312.2	299.0	3119.8	1694.1	548.4	355.7	278.7

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CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	262.7	291.5	2646.4	1611.6	525.4	333.9	253.6
68°	262.7	259.0	2640.8	1486.0	503.5	333.9	253.6
68.5°	240.2	255.9	2134.9	1397.9	484.6	319.1	233.8
69°	235.6	217.2	1654.7	1186.6	462.2	319.1	233.8
69.5°	252.4	192.9	1650.0	1186.6	447.5	308.2	236.5
70°	249.4	192.9	1271.9	1005.5	427.5	308.2	236.5
70.5°	269.3	170.1	1267.4	1005.5	417.0	298.0	240.3
71°	269.0	170.1	982.5	856.4	392.3	291.5	239.4
71.5°	276.3	154.7	979.6	856.4	392.3	291.5	238.4
72°	277.6	154.7	733.4	673.2	359.5	287.9	306.1
72.5°	277.6	149.4	732.5	588.4	344.7	287.9	306.1
73°	272.8	148.1	519.9	551.3	334.3	280.8	452.8
73.5°	275.4	151.3	384.3	467.9	323.9	280.8	452.8
74°	250.2	146.9	384.3	467.9	306.1	266.2	559.7
74.5°	251.7	160.5	330.1	382.7	292.9	266.2	559.7
75°	206.6	166.3	332.5	382.7	270.9	254.0	691.3
75.5°	206.6	166.3	311.5	300.5	237.4	250.5	691.3
76°	161.6	167.9	313.2	300.5	237.4	242.2	921.3
76.5°	161.1	167.9	283.9	234.6	207.9	219.0	917.8
77°	123.4	164.5	284.4	234.6	207.9	219.0	1164.0
77.5°	105.1	161.5	245.7	187.0	185.1	207.9	1370.9
78°	105.1	158.4	245.1	161.9	180.7	207.9	1370.9
78.5°	108.1	159.5	209.5	155.7	164.0	195.5	1415.4
79°	103.4	151.1	175.6	132.2	160.9	195.5	1415.4
79.5°	109.7	152.2	175.6	132.2	148.3	177.6	1350.8
80°	104.8	135.4	141.2	109.0	145.2	177.6	1350.8
80.5°	101.6	110.8	137.0	109.0	122.2	140.1	1221.4
81°	97.4	110.8	104.6	87.6	104.8	137.5	1221.4
81.5°	86.9	82.8	100.0	87.6	104.8	118.7	1002.4
82°	83.5	82.8	62.3	68.5	90.0	114.4	1002.0
82.5°	69.9	56.3	58.1	56.9	88.0	114.4	584.1
83°	48.5	53.1	15.2	49.5	77.5	130.4	317.0
83.5°	48.5	33.2	4.4	36.7	75.5	130.4	317.0
84°	24.3	29.3	4.4	36.7	75.5	254.0	251.6
84.5°	24.1	12.6	1.5	29.3	61.7	251.8	251.6
85°	9.4	3.7	0.4	29.3	39.7	492.0	251.2
85.5°	9.4	3.7	0.4	20.9	38.2	492.0	251.2
86°	1.0	1.2	0.2	20.9	27.7	553.5	232.9
86.5°	1.0	1.2	0.2	14.7	17.2	615.2	243.9
87°	0.0	0.0	0.0	14.7	17.2	615.2	217.7
87.5°	0.0	0.0	0.0	9.4	11.1	566.2	185.2
88°	0.0	0.0	0.0	6.3	10.5	566.2	185.2
88.5°	0.0	0.0	0.0	6.3	6.3	506.8	156.2
89°	0.0	0.0	0.0	3.1	5.8	506.8	156.2
89.5°	0.0	0.0	0.0	3.1	1.6	425.4	124.3

REPORT NUMBER: P1197112

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	0.0	0.0	0.0	1.0	1.2	425.4	124.3
90.5°	0.0	0.0	0.0	1.0	0.2	343.5	92.3
91°	0.0	0.0	0.0	1.0	0.2	343.5	92.3
91.5°	0.0	0.0	0.0	1.0	0.2	269.2	68.9
92°	0.0	0.0	0.0	0.0	0.0	205.3	57.7
92.5°	0.0	0.0	0.0	0.0	0.0	205.3	47.3
93°	0.0	0.0	0.0	0.0	0.0	144.5	27.3
93.5°	0.0	0.0	0.0	0.0	0.0	144.5	27.3
94°	0.0	0.0	0.0	0.0	0.0	68.1	12.9
94.5°	0.0	0.0	0.0	0.0	0.0	68.1	12.9
95°	0.0	0.0	0.0	0.0	0.0	6.3	2.1
95.5°	0.0	0.0	0.0	0.0	0.0	6.3	2.1
96°	0.0	0.0	0.0	0.0	0.0	4.2	1.8
96.5°	0.0	0.0	0.0	0.0	0.0	4.2	1.8
97°	0.0	0.0	0.0	0.0	0.0	3.1	0.5
97.5°	0.0	0.0	0.0	0.0	0.0	3.1	0.5
98°	0.0	0.0	0.0	0.0	0.0	3.1	0.5
98.5°	0.0	0.0	0.0	0.0	0.0	2.1	0.4
99°	0.0	0.0	0.0	0.0	0.0	2.1	0.4
99.5°	0.0	0.0	0.0	0.0	0.0	2.1	0.4
100°	0.0	0.0	0.0	0.0	0.0	2.1	0.4
100.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
101°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
101.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
102°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
102.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
103°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
103.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
104°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
104.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
105°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
105.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
106°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
106.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
107°	0.0	0.0	0.0	0.0	0.0	1.0	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	1.0	0.2
110°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
110.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
111°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
111.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
112°	0.0	0.0	0.0	0.0	0.0	1.0	0.2

REPORT NUMBER: P1197112

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-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	1.0	0.2
113°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
113.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
114°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
114.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
115°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
115.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
116°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
116.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
117°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
117.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
118°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
118.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
119°	0.0	0.0	0.0	0.0	0.0	1.0	0.2
119.5°	0.0	0.0	0.0	0.0	1.0	1.2	0.2
120°	0.0	0.0	0.0	0.0	1.0	1.2	0.2
120.5°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
121°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
121.5°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
122°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
122.5°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
123°	0.0	0.0	0.0	0.0	1.0	1.2	1.2
123.5°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
124°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
124.5°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
125°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
125.5°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
126°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
126.5°	0.0	0.0	0.0	1.0	1.2	1.2	1.2
127°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
127.5°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
128°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
128.5°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
129°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
129.5°	0.0	0.0	1.0	1.2	1.2	2.3	1.4
130°	0.0	0.0	1.0	1.2	1.2	2.3	1.4
130.5°	0.0	0.0	1.0	1.2	1.2	2.3	1.4
131°	0.0	0.0	0.0	1.0	1.2	2.3	1.4
131.5°	0.0	0.0	0.0	1.0	1.2	2.3	2.5
132°	0.0	0.0	1.0	1.2	1.2	2.3	2.5
132.5°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
133°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
133.5°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
134°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
134.5°	0.0	1.0	1.2	1.2	1.2	2.3	2.5

REPORT NUMBER: P1197112

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
135.5°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
136°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
136.5°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
137°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
137.5°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
138°	0.0	1.0	1.2	1.2	1.2	2.3	2.5
138.5°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
139°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
139.5°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
140°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
140.5°	0.0	1.0	1.2	1.2	2.3	2.5	2.5
141°	0.0	1.0	1.2	2.3	2.5	2.5	2.5
141.5°	1.0	1.2	1.2	2.3	2.5	2.5	2.5
142°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
142.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
143°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
143.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
144°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
144.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
145°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
145.5°	1.2	1.2	1.2	2.3	2.5	2.5	2.5
146°	1.2	1.2	2.3	2.5	2.5	2.5	2.5
146.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
147°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
147.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
148°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
148.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
149°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
149.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
150°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
150.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
151°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
151.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
152°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
152.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
153°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
153.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
154°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
154.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
155°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
155.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
156°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
156.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
157°	1.2	2.3	2.5	2.5	2.5	2.5	2.5

REPORT NUMBER: P1197112

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-5000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
158°	1.2	2.3	2.5	2.5	2.5	2.5	2.5
158.5°	1.4	2.3	2.5	2.5	2.5	2.5	2.5
159°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
159.5°	2.3	2.5	2.5	2.5	2.5	2.5	2.5
160°	2.3	2.5	2.5	2.5	2.5	2.5	2.5
160.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
161°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
161.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
163°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
163.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
164°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
164.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
165.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
166°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
166.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
168°	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
169.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5
170°	2.5	2.5	2.5	3.5	2.6	2.5	2.5
170.5°	2.5	2.5	2.5	3.5	2.6	3.5	2.6
171°	2.5	2.5	2.5	2.5	2.5	3.5	2.6
171.5°	2.5	2.5	2.5	2.5	2.5	3.5	2.6
172°	2.5	2.5	2.5	2.5	2.5	3.5	2.6
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: P1197112
CATALOG NUMBER: AWPf150S-BZ-BZ-HIGH-5000K-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)