

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: P1197115

Luminaire Tested: AWPf150S-BZ-BZ-HIGH-3000K-POSITION 15

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197115
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-3000K-POSITION 15
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 19305 (1 lamp)
Luminaire Lumens: 19764 lumens
Efficiency: 102.4%
Efficacy: 132.5 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 - U3 - G3

Input Watts (W): 149.2
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

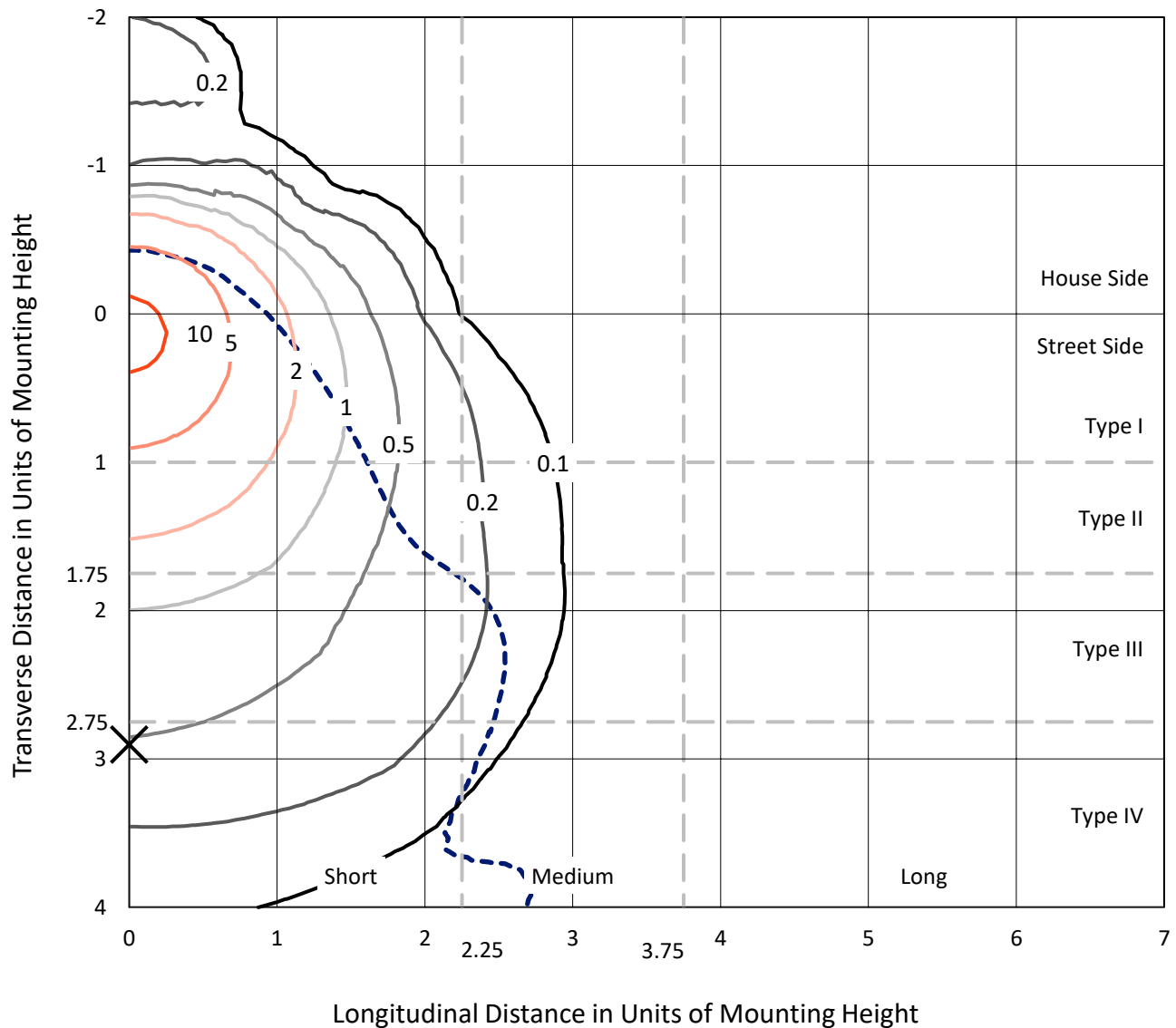
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

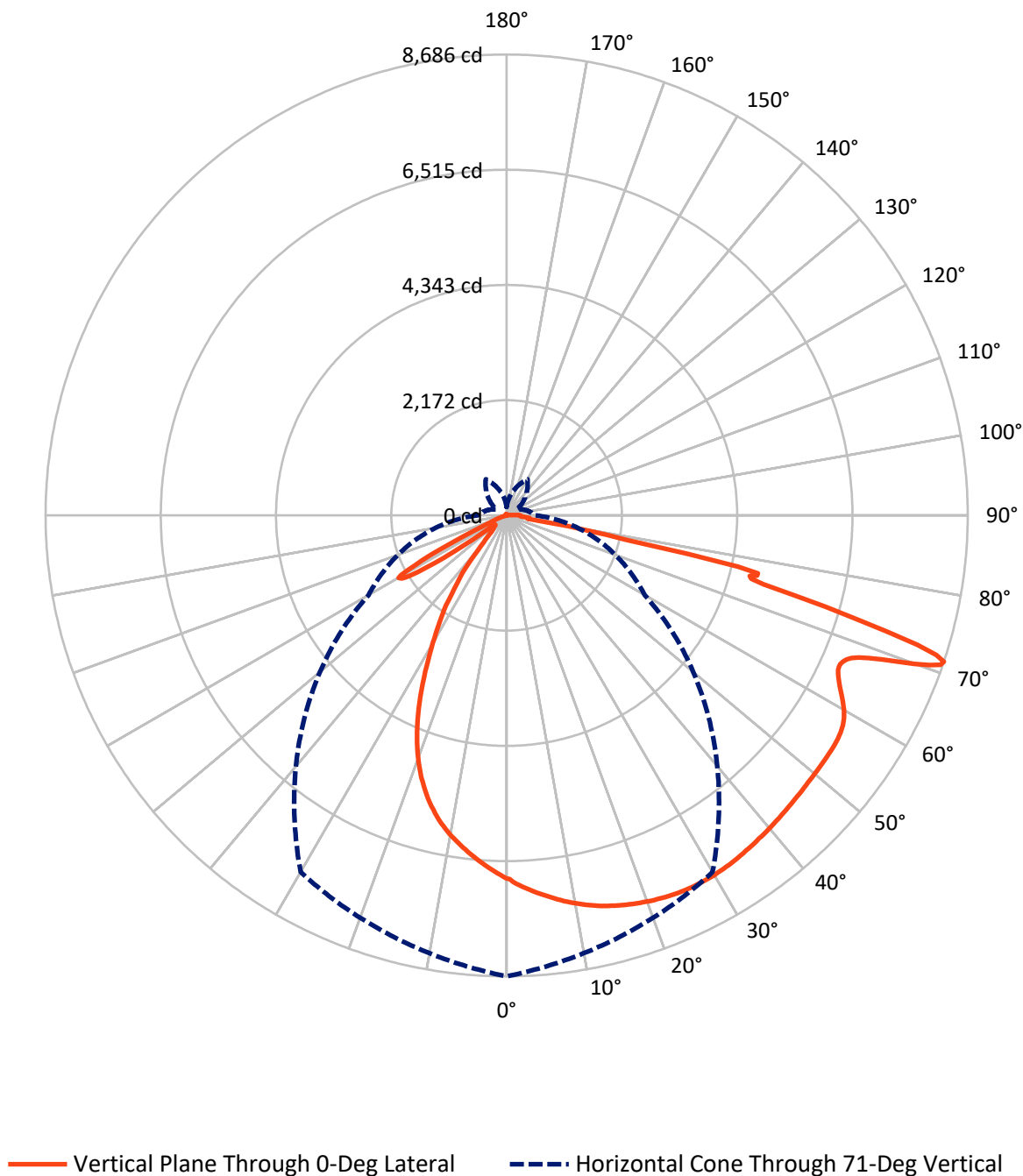


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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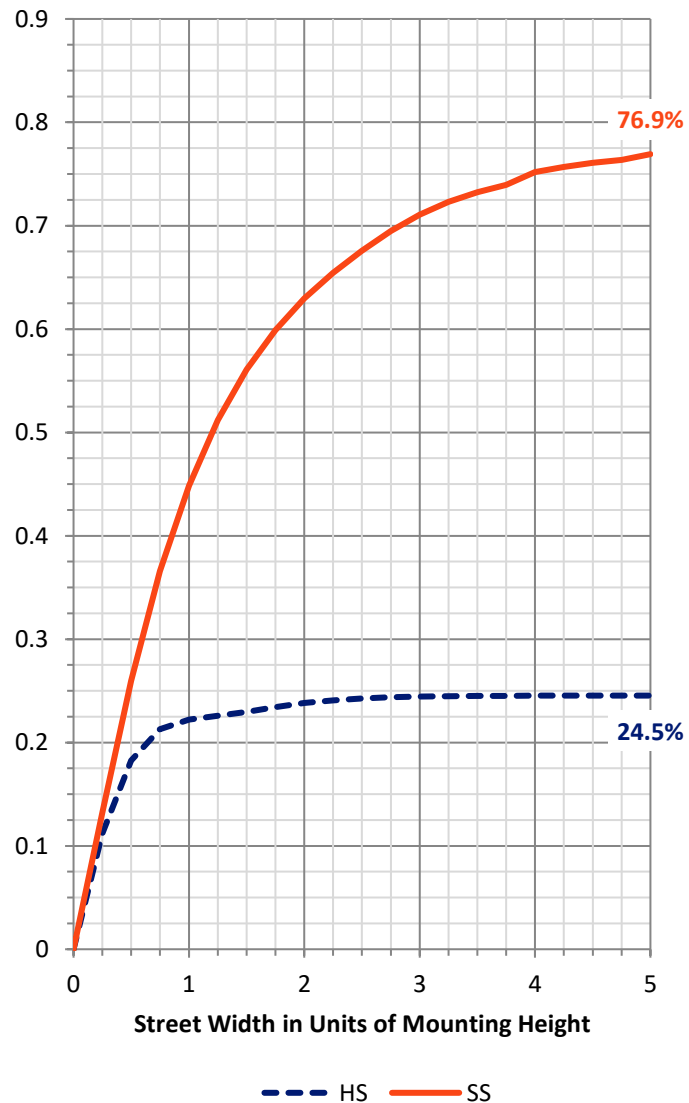
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4773.4	44.9	4818.3
	% Lamp	24.7	0.2	25.0
Street Side	Lumens	14883.6	62.1	14945.7
	% Lamp	77.1	0.3	77.4
Total	Lumens	19657.0	107.0	19764.0
	% Lamp	101.8	0.6	102.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	649.1	3.3	3.4
10°-20°	1857.9	9.4	9.6
20°-30°	2751.4	13.9	14.3
30°-40°	3132.5	15.8	16.2
40°-50°	3068.1	15.5	15.9
50°-60°	2969.1	15.0	15.4
60°-70°	2730.1	13.8	14.1
70°-80°	2087.6	10.6	10.8
80°-90°	411.1	2.1	2.1
90°-100°	47.7	0.2	0.2
100°-110°	7.1	0.0	0.0
110°-120°	8.3	0.0	0.0
120°-130°	9.6	0.0	0.0
130°-140°	10.0	0.1	0.1
140°-150°	9.4	0.0	0.0
150°-160°	7.8	0.0	0.0
160°-170°	5.2	0.0	0.0
170°-180°	1.9	0.0	0.0
0°-90°	19657.0	99.5	101.8
0°-180°	19764.0	100.0	102.4

Coefficient of Utilization



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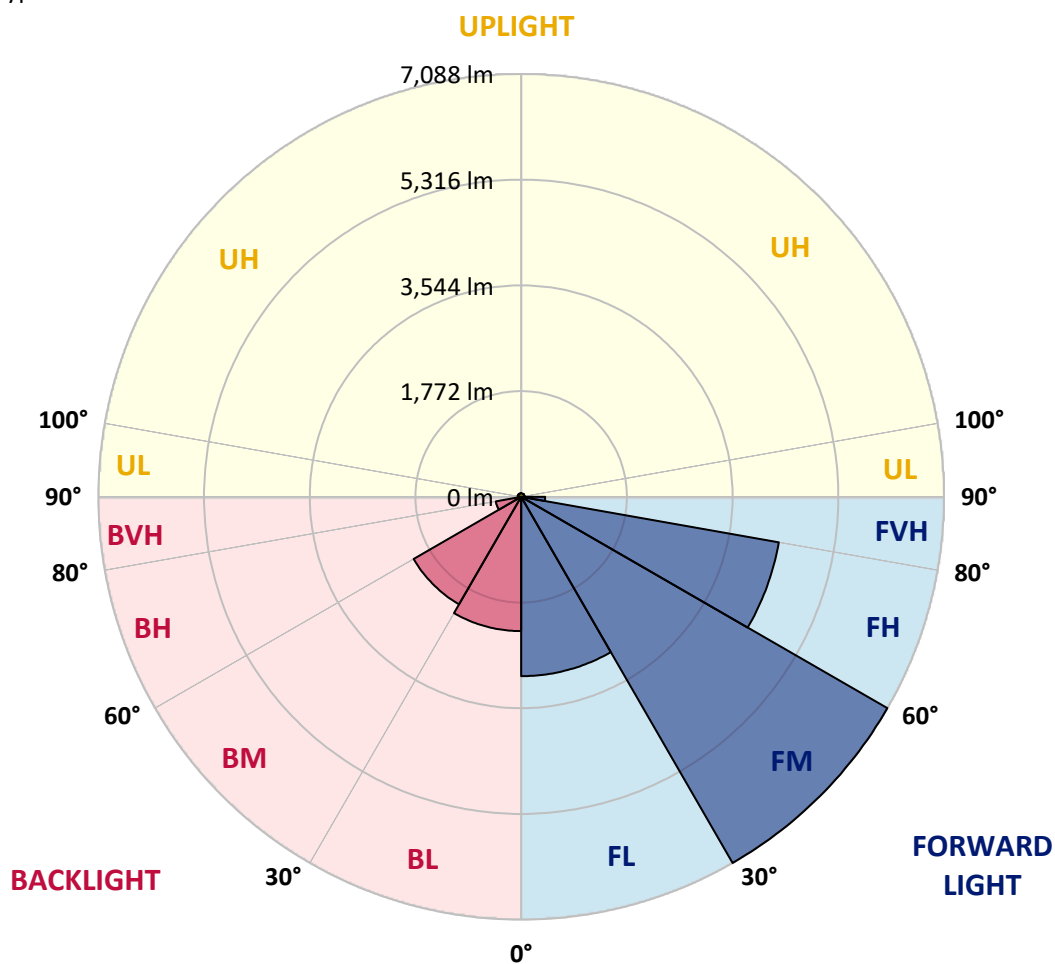
CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-3000K-POSITION 15

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3006.3	15.6			
FM	(30°-60°)	7088.4	36.7			
FH	(60°-80°)	4385.7	22.7			G2/5000
FVH	(80°-90°)	403.2	2.1			G3/500
BL	(0°-30°)	2252.1	11.7	B3/2500		
BM	(30°-60°)	2081.3	10.8	B2/2500		
BH	(60°-80°)	432.1	2.2	B1/500		G1/500
BVH	(80°-90°)	7.8	0.0			G0/10
UL	(90°-100°)	47.7	0.2		U2/50	
UH	(100°-180°)	59.3	0.3		U3/500	
Trapped Light		-459.0	-2.4			

BUG Rating: B3-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5
0.5°	6908.3	6906.9	6880.0	6851.5	6820.3	6784.3	6843.0
1°	6942.6	6932.9	6896.3	6850.6	6803.2	6754.5	6808.8
1.5°	6972.7	6959.0	6910.9	6847.8	6785.5	6725.1	6774.3
2°	7004.9	6985.2	6924.5	6845.7	6767.2	6694.2	6741.6
2.5°	7037.0	7011.9	6938.0	6843.0	6747.9	6665.6	6706.9
3°	7067.7	7037.6	6951.1	6839.2	6728.8	6636.5	6671.9
3.5°	7097.4	7063.0	6963.3	6834.6	6708.7	6605.5	6640.1
4°	7127.7	7087.2	6976.2	6829.9	6688.9	6574.4	6604.3
4.5°	7154.7	7112.8	6987.3	6824.3	6667.5	6543.6	6569.8
5°	7182.0	7134.6	6997.0	6816.1	6647.7	6511.5	6534.2
5.5°	7211.4	7156.5	7007.0	6809.2	6624.8	6477.9	6496.5
6°	7238.7	7177.6	7017.1	6800.9	6602.1	6445.0	6459.3
6.5°	7267.1	7200.2	7025.1	6792.4	6578.5	6410.5	6423.2
7°	7294.8	7222.0	7033.8	6781.2	6553.8	6374.9	6385.6
7.5°	7321.9	7243.9	7041.0	6771.7	6529.7	6342.1	6344.6
8°	7349.7	7264.1	7048.4	6761.0	6503.4	6305.3	6309.0
8.5°	7373.4	7285.0	7054.1	6750.4	6476.9	6267.4	6269.0
9°	7397.0	7305.0	7060.2	6737.8	6450.8	6232.5	6229.0
9.5°	7421.9	7323.0	7065.7	6724.7	6422.9	6195.0	6188.4
10°	7444.2	7340.7	7069.4	6710.0	6391.9	6158.7	6151.9
10.5°	7467.1	7357.9	7073.3	6695.4	6363.7	6121.0	6109.5
11°	7488.8	7374.9	7076.8	6680.3	6334.3	6082.2	6064.5
11.5°	7508.8	7389.5	7079.4	6664.8	6303.6	6041.5	6020.1
12°	7529.4	7404.9	7081.2	6649.4	6273.0	6000.0	5975.9
12.5°	7548.0	7419.5	7082.2	6631.5	6242.3	5957.5	5928.0
13°	7566.6	7432.4	7083.9	6613.8	6208.9	5914.3	5877.0
13.5°	7584.7	7443.7	7084.7	6594.3	6180.7	5869.3	5826.1
14°	7601.1	7457.5	7083.7	6575.5	6151.2	5823.0	5771.7
14.5°	7615.4	7469.5	7081.8	6555.0	6119.6	5774.7	5714.1
15°	7629.6	7479.5	7081.6	6532.4	6088.0	5723.4	5660.2
15.5°	7645.3	7489.6	7078.7	6511.2	6056.4	5672.0	5599.6
16°	7659.0	7499.9	7076.0	6488.5	6024.7	5618.9	5538.1
16.5°	7672.7	7507.5	7073.0	6465.5	5993.0	5561.3	5473.3
17°	7685.4	7516.0	7068.2	6442.4	5956.2	5505.0	5404.4
17.5°	7697.5	7522.7	7063.7	6417.7	5917.3	5445.8	5333.2
18°	7709.2	7529.9	7059.0	6392.9	5878.9	5383.9	5263.7
18.5°	7722.1	7535.7	7054.8	6369.2	5838.6	5322.6	5195.4
19°	7732.0	7542.1	7048.5	6343.3	5797.9	5257.6	5116.5
19.5°	7742.9	7546.5	7041.8	6317.5	5757.4	5191.6	5035.6
20°	7754.2	7550.3	7034.2	6291.4	5713.5	5123.3	4956.3
20.5°	7763.0	7555.7	7025.4	6264.2	5670.8	5054.3	4869.9
21°	7770.5	7560.6	7015.6	6234.9	5626.6	4976.2	4782.9
21.5°	7779.3	7562.4	7006.1	6207.3	5582.6	4901.4	4690.9
22°	7788.4	7564.1	6995.8	6181.4	5535.5	4824.0	4601.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	7794.7	7566.0	6986.3	6153.9	5487.8	4741.6	4502.1
23°	7801.2	7567.8	6974.8	6124.9	5440.3	4660.0	4402.9
23.5°	7808.6	7568.7	6963.3	6094.8	5391.3	4574.9	4301.1
24°	7814.3	7567.8	6951.0	6062.7	5341.4	4486.7	4202.0
24.5°	7818.8	7567.7	6938.4	6030.4	5288.0	4396.8	4095.8
25°	7823.3	7566.8	6924.2	5997.5	5234.4	4304.4	3987.3
25.5°	7827.0	7564.9	6910.2	5965.3	5180.0	4212.5	3879.1
26°	7827.5	7563.9	6895.9	5930.2	5123.6	4111.7	3769.5
26.5°	7827.9	7560.1	6880.0	5894.9	5066.6	4013.8	3656.6
27°	7828.4	7556.6	6865.0	5859.3	5008.7	3912.8	3540.1
27.5°	7828.8	7552.6	6848.6	5820.4	4946.0	3804.9	3426.9
28°	7829.3	7548.0	6831.1	5782.8	4884.9	3702.4	3315.6
28.5°	7829.6	7540.8	6813.1	5745.2	4822.0	3597.5	3203.2
29°	7826.8	7534.1	6795.0	5705.9	4755.5	3483.7	3095.5
29.5°	7825.0	7527.5	6776.1	5666.9	4688.2	3373.3	2986.3
30°	7820.3	7520.0	6756.8	5627.6	4620.7	3268.3	2877.7
30.5°	7817.2	7511.5	6734.6	5587.8	4551.5	3157.4	2777.0
31°	7811.9	7501.5	6712.4	5545.3	4482.7	3047.8	2682.0
31.5°	7808.9	7490.9	6691.2	5505.7	4409.5	2944.6	2587.1
32°	7803.4	7482.6	6667.5	5462.7	4336.3	2835.2	2492.2
32.5°	7798.7	7472.1	6646.2	5419.9	4261.2	2717.9	2397.4
33°	7791.3	7460.5	6620.7	5376.8	4184.2	2626.3	2302.5
33.5°	7784.8	7450.1	6595.1	5332.1	4104.5	2534.9	2217.2
34°	7778.9	7439.9	6570.2	5287.6	4023.8	2443.5	2138.1
34.5°	7772.5	7428.0	6542.3	5243.6	3939.9	2352.1	2042.1
35°	7763.9	7416.7	6513.6	5200.6	3854.3	2262.3	1906.2
35.5°	7756.7	7404.2	6486.5	5154.1	3766.4	2173.2	1790.4
36°	7750.1	7391.0	6458.1	5107.3	3678.2	2093.0	1690.5
36.5°	7743.5	7376.3	6426.9	5055.8	3584.8	2012.3	1602.3
37°	7735.1	7362.0	6395.9	5005.8	3493.5	1933.5	1523.3
37.5°	7726.9	7347.0	6368.0	4955.8	3400.4	1859.9	1443.8
38°	7720.3	7331.9	6336.5	4905.3	3304.4	1794.1	1352.9
38.5°	7713.6	7317.7	6302.5	4850.6	3206.5	1705.3	1244.5
39°	7706.9	7301.9	6271.0	4798.1	3107.3	1590.2	1113.0
39.5°	7699.7	7287.1	6239.0	4745.0	3010.3	1487.2	983.6
40°	7693.0	7271.1	6205.5	4689.3	2912.4	1393.9	861.3
40.5°	7685.5	7255.2	6175.7	4633.2	2815.5	1312.8	758.3
41°	7678.0	7240.1	6146.0	4576.9	2719.3	1228.3	670.8
41.5°	7671.3	7223.8	6114.9	4518.8	2623.6	1134.7	603.5
42°	7662.9	7206.6	6083.9	4459.0	2529.0	1021.9	542.2
42.5°	7655.7	7189.1	6052.9	4399.3	2441.0	906.6	490.2
43°	7648.9	7171.8	6021.9	4339.0	2357.5	790.4	448.6
43.5°	7641.8	7153.8	5990.5	4277.3	2278.9	695.7	415.3
44°	7633.4	7134.5	5954.2	4217.7	2206.5	617.6	389.1
44.5°	7627.6	7120.8	5917.6	4155.0	2136.4	563.8	370.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	7620.2	7102.3	5881.4	4091.0	2062.2	525.3	357.2
45.5°	7614.6	7082.8	5844.1	4027.8	1979.5	500.8	347.4
46°	7609.8	7064.2	5806.7	3962.6	1889.9	487.0	341.4
46.5°	7604.1	7047.1	5768.6	3899.7	1805.1	478.0	338.1
47°	7597.7	7028.4	5730.7	3835.5	1726.1	469.9	336.0
47.5°	7592.7	7008.6	5691.6	3772.1	1659.2	462.2	331.4
48°	7586.5	6992.0	5653.1	3707.8	1598.0	453.5	321.6
48.5°	7581.8	6976.4	5614.8	3644.0	1539.7	445.5	308.1
49°	7578.9	6959.9	5575.1	3581.0	1481.7	439.4	293.4
49.5°	7574.3	6944.9	5536.5	3518.3	1418.9	435.3	287.6
50°	7571.4	6928.6	5496.6	3456.0	1346.3	432.5	282.4
50.5°	7568.6	6914.5	5453.5	3394.6	1258.2	429.7	277.2
51°	7565.5	6903.1	5411.6	3329.0	1158.5	424.0	272.0
51.5°	7561.1	6889.3	5369.8	3266.2	1051.8	415.7	280.3
52°	7558.1	6874.3	5323.7	3196.3	943.9	407.4	292.5
52.5°	7555.3	6862.7	5277.7	3128.0	851.5	401.3	306.4
53°	7552.4	6851.4	5232.6	3053.9	771.1	396.7	316.1
53.5°	7548.7	6840.9	5184.4	2981.0	709.1	392.4	317.1
54°	7544.9	6828.3	5135.7	2902.8	661.9	387.9	333.1
54.5°	7540.2	6816.3	5087.7	2827.1	629.1	383.9	545.1
55°	7533.8	6803.6	5037.2	2750.6	596.2	381.0	769.9
55.5°	7525.9	6793.6	4985.0	2674.8	563.4	378.8	994.6
56°	7515.7	6782.3	4933.6	2599.1	530.5	375.7	1219.5
56.5°	7504.0	6772.9	4879.9	2523.3	498.8	369.4	1444.2
57°	7487.0	6764.5	4822.8	2447.6	484.9	355.8	1624.4
57.5°	7469.0	6756.9	4767.3	2366.9	473.4	333.1	1802.6
58°	7443.4	6747.6	4707.9	2280.2	462.4	297.4	1980.5
58.5°	7413.0	6736.1	4646.1	2191.0	451.9	275.2	2129.8
59°	7376.9	6725.3	4585.9	2096.4	441.2	253.8	2243.0
59.5°	7337.9	6707.3	4523.4	2003.0	431.0	232.1	2301.4
60°	7292.0	6690.0	4460.5	1911.3	420.9	210.3	2331.3
60.5°	7242.6	6672.5	4396.2	1815.9	410.3	194.0	2349.2
61°	7188.9	6652.5	4333.4	1720.2	399.3	171.9	2285.8
61.5°	7136.5	6631.1	4270.9	1621.8	389.0	153.2	2131.8
62°	7087.1	6610.6	4208.7	1525.0	378.7	149.1	1964.1
62.5°	7038.0	6589.2	4146.1	1428.7	368.6	152.4	1807.7
63°	6994.9	6567.8	4078.3	1336.8	358.2	157.9	1624.1
63.5°	6953.7	6546.9	4005.6	1245.2	348.1	165.5	1401.1
64°	6917.8	6529.0	3934.4	1158.8	339.1	180.9	1164.5
64.5°	6890.3	6509.9	3863.9	1078.0	331.0	222.9	916.6
65°	6878.6	6491.6	3793.8	1006.7	323.6	392.8	714.9
65.5°	6884.7	6474.1	3726.5	946.4	315.7	565.2	578.2
66°	6909.1	6453.0	3658.6	897.1	307.5	737.8	483.2
66.5°	6954.9	6443.7	3594.0	857.6	299.6	910.4	417.5
67°	7027.9	6450.5	3532.1	815.9	292.5	1083.2	364.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	7152.3	6488.8	3468.4	749.6	285.2	1147.1	320.6
68°	7329.3	6566.5	3402.3	675.1	276.4	1136.9	286.5
68.5°	7576.0	6674.6	3338.6	624.4	265.6	1096.6	264.2
69°	7875.0	6841.6	3274.9	602.1	255.8	1044.5	242.1
69.5°	8179.4	7045.6	3209.3	588.1	243.3	988.9	220.1
70°	8453.1	7291.9	3140.5	576.5	231.7	926.5	198.0
70.5°	8647.1	7547.4	3073.0	561.0	222.6	856.8	180.0
71°	8686.1	7759.5	3004.3	540.6	213.9	786.2	161.1
71.5°	8510.6	7888.9	2938.9	516.8	204.2	718.0	141.5
72°	8118.6	7927.2	2878.8	492.4	190.5	655.4	123.7
72.5°	7495.3	7796.6	2818.4	469.7	166.8	590.9	106.8
73°	6871.4	7489.9	2766.7	447.9	150.8	524.6	87.9
73.5°	6247.1	7033.0	2721.7	424.1	139.0	444.8	69.2
74°	5622.2	6423.4	2683.3	398.6	118.6	353.2	52.0
74.5°	5010.5	5805.7	2649.4	374.3	104.7	264.3	39.6
75°	4757.5	5271.9	2620.1	351.0	98.5	202.5	30.5
75.5°	4722.9	4830.8	2596.2	328.0	93.4	141.6	27.3
76°	4851.1	4514.1	2583.0	304.5	88.1	80.8	25.4
76.5°	4858.7	4354.7	2585.2	278.7	82.2	20.0	23.4
77°	4465.1	4446.0	2596.5	252.8	71.8	8.7	21.4
77.5°	3501.3	4648.0	2632.2	226.8	60.2	7.4	19.3
78°	2314.1	4746.2	2697.2	200.9	51.4	7.4	17.4
78.5°	1931.1	4432.5	2788.1	175.0	41.2	7.8	15.8
79°	1546.7	3684.9	2890.6	151.6	32.2	8.3	14.5
79.5°	1161.5	2743.4	2976.6	131.9	25.6	9.0	13.3
80°	777.9	2248.0	3021.1	117.3	21.1	9.7	12.3
80.5°	403.0	1781.0	3020.8	104.8	17.6	10.3	11.4
81°	397.5	1314.0	2979.2	94.1	14.8	10.7	10.6
81.5°	411.2	846.8	2905.8	84.6	11.7	10.8	9.9
82°	427.0	379.5	2790.9	75.6	9.1	10.8	9.4
82.5°	437.8	345.4	2628.5	67.5	6.8	10.8	8.9
83°	428.3	325.2	2423.8	60.0	5.8	10.8	8.6
83.5°	386.8	320.0	2149.7	53.0	5.6	10.8	8.4
84°	342.0	326.4	1865.5	47.0	5.4	10.7	8.3
84.5°	315.2	324.8	1587.6	41.5	5.3	10.5	8.1
85°	296.8	319.9	1341.0	36.4	5.1	10.2	8.0
85.5°	285.5	295.8	1128.6	32.0	5.0	9.9	8.0
86°	276.1	269.0	956.7	28.0	4.8	9.6	7.9
86.5°	262.3	242.3	848.6	24.3	4.7	9.2	7.9
87°	254.8	215.7	740.6	20.9	4.6	8.7	7.9
87.5°	257.0	189.0	632.5	17.6	4.5	8.3	7.9
88°	259.7	176.4	524.5	14.5	4.4	7.8	7.9
88.5°	259.1	162.6	417.1	11.8	4.3	7.3	8.0
89°	256.1	154.9	378.6	9.9	4.3	6.9	8.1
89.5°	250.9	151.4	346.7	7.8	4.3	6.5	8.3

REPORT NUMBER: P1197115

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	242.3	151.0	314.6	6.9	4.2	6.2	8.5
90.5°	228.3	152.8	286.0	6.6	4.2	6.1	8.7
91°	207.9	154.6	264.1	6.3	4.2	6.0	8.8
91.5°	181.0	155.2	244.3	6.1	4.2	5.9	9.0
92°	151.2	152.4	226.9	6.0	4.2	5.9	9.2
92.5°	125.9	144.5	209.6	5.8	4.2	5.9	9.4
93°	106.8	132.6	185.4	5.7	4.3	5.9	9.6
93.5°	91.3	120.3	138.1	5.5	4.4	5.9	9.8
94°	78.5	112.0	105.3	5.4	4.4	6.0	10.0
94.5°	68.3	105.3	63.6	5.3	4.5	6.1	10.3
95°	62.1	97.8	45.2	5.2	4.6	6.3	10.5
95.5°	59.7	88.0	34.3	5.1	4.7	6.5	10.8
96°	59.1	75.5	26.8	5.0	4.8	6.6	11.1
96.5°	57.9	62.2	23.3	4.9	5.0	6.9	11.3
97°	54.3	50.3	21.5	4.9	5.1	7.0	11.6
97.5°	49.3	39.2	19.9	4.9	5.3	7.2	11.9
98°	41.5	25.0	18.2	4.8	5.4	7.5	12.1
98.5°	31.7	10.0	16.6	4.8	5.6	7.7	12.3
99°	17.7	5.3	15.0	4.8	5.8	7.9	12.6
99.5°	7.3	3.8	13.5	4.8	6.0	8.1	12.8
100°	5.2	3.1	12.1	4.8	6.2	8.3	13.0
100.5°	4.1	2.7	10.8	4.8	6.4	8.5	13.3
101°	3.5	2.5	9.6	4.8	6.6	8.8	13.6
101.5°	2.8	2.4	8.6	4.8	6.8	9.0	13.8
102°	2.7	2.2	7.8	4.8	7.0	9.2	14.1
102.5°	2.6	2.2	7.0	4.8	7.2	9.5	14.4
103°	2.6	2.1	6.3	4.9	7.4	9.7	14.6
103.5°	2.6	2.0	5.7	4.9	7.6	9.9	14.9
104°	2.5	2.0	5.3	5.0	7.8	10.2	15.1
104.5°	2.4	1.9	4.8	5.1	8.0	10.4	15.3
105°	2.3	1.9	4.5	5.2	8.3	10.6	15.5
105.5°	2.2	1.9	4.2	5.3	8.5	10.9	15.7
106°	2.1	1.9	3.9	5.4	8.7	11.1	15.9
106.5°	2.0	1.8	3.6	5.5	8.9	11.4	16.2
107°	1.9	1.8	3.4	5.6	9.1	11.6	16.4
107.5°	1.9	1.8	3.1	5.8	9.3	11.8	16.6
108°	1.8	1.8	2.9	5.9	9.5	12.1	16.8
108.5°	1.7	1.8	2.7	6.0	9.8	12.3	17.0
109°	1.7	1.8	2.6	6.2	10.0	12.5	17.2
109.5°	1.7	1.7	2.6	6.3	10.2	12.7	17.3
110°	1.6	1.7	2.6	6.4	10.4	12.9	17.5
110.5°	1.6	1.7	2.6	6.5	10.7	13.2	17.6
111°	1.5	1.7	2.6	6.7	10.9	13.4	17.8
111.5°	1.5	1.6	2.7	6.8	11.1	13.6	18.0
112°	1.5	1.6	2.7	6.9	11.3	13.9	18.2

REPORT NUMBER: P1197115

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	1.5	1.6	2.7	7.0	11.5	14.1	18.3
113°	1.5	1.6	2.8	7.2	11.8	14.3	18.5
113.5°	1.5	1.6	2.9	7.3	12.0	14.6	18.7
114°	1.5	1.6	3.0	7.4	12.2	14.8	18.8
114.5°	1.5	1.6	3.0	7.5	12.4	15.0	19.0
115°	1.6	1.6	3.1	7.6	12.6	15.2	19.1
115.5°	1.6	1.7	3.2	7.7	12.8	15.4	19.3
116°	1.6	1.7	3.4	7.8	13.0	15.6	19.4
116.5°	1.6	1.7	3.5	7.9	13.2	15.8	19.5
117°	1.7	1.8	3.6	8.0	13.3	16.0	19.6
117.5°	1.7	1.8	3.7	8.2	13.5	16.2	19.7
118°	1.7	1.9	3.8	8.3	13.7	16.4	19.8
118.5°	1.8	2.0	3.9	8.4	13.9	16.6	20.0
119°	1.8	2.0	4.1	8.5	14.0	16.7	20.1
119.5°	1.9	2.1	4.2	8.6	14.2	16.9	20.2
120°	1.9	2.2	4.3	8.7	14.4	17.0	20.3
120.5°	2.0	2.3	4.4	8.9	14.5	17.1	20.4
121°	2.0	2.3	4.5	9.0	14.7	17.3	20.5
121.5°	2.1	2.4	4.7	9.1	14.8	17.4	20.6
122°	2.1	2.5	4.8	9.2	15.0	17.6	20.6
122.5°	2.2	2.6	4.9	9.4	15.1	17.7	20.7
123°	2.2	2.7	5.1	9.5	15.3	17.9	20.7
123.5°	2.3	2.8	5.2	9.6	15.4	18.0	20.7
124°	2.3	2.8	5.3	9.7	15.6	18.1	20.8
124.5°	2.4	2.9	5.5	9.9	15.7	18.2	20.8
125°	2.5	3.0	5.6	10.0	15.8	18.3	20.8
125.5°	2.5	3.1	5.7	10.1	16.0	18.4	20.9
126°	2.6	3.2	5.9	10.3	16.1	18.5	20.9
126.5°	2.7	3.3	6.0	10.4	16.2	18.6	20.9
127°	2.7	3.4	6.1	10.5	16.3	18.7	20.9
127.5°	2.8	3.5	6.3	10.7	16.4	18.8	21.0
128°	2.9	3.6	6.4	10.8	16.5	18.9	21.0
128.5°	3.0	3.8	6.5	11.0	16.6	19.1	21.0
129°	3.0	3.9	6.7	11.1	16.7	19.2	21.0
129.5°	3.1	4.0	6.8	11.2	16.8	19.3	21.1
130°	3.2	4.1	7.0	11.4	16.9	19.4	21.1
130.5°	3.3	4.2	7.1	11.5	17.0	19.5	21.2
131°	3.4	4.4	7.2	11.6	17.1	19.6	21.2
131.5°	3.5	4.5	7.4	11.8	17.2	19.8	21.3
132°	3.6	4.6	7.5	11.9	17.3	19.9	21.3
132.5°	3.7	4.7	7.7	12.0	17.3	20.0	21.4
133°	3.8	4.8	7.8	12.2	17.4	20.1	21.5
133.5°	3.9	5.0	7.9	12.3	17.5	20.2	21.5
134°	4.0	5.1	8.1	12.4	17.6	20.3	21.6
134.5°	4.1	5.2	8.2	12.6	17.7	20.4	21.7

REPORT NUMBER: P1197115

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	4.2	5.3	8.4	12.7	17.8	20.5	21.7
135.5°	4.3	5.5	8.5	12.8	17.9	20.6	21.8
136°	4.4	5.6	8.7	13.0	17.9	20.7	21.9
136.5°	4.5	5.7	8.8	13.1	18.0	20.8	21.9
137°	4.6	5.9	8.9	13.2	18.1	20.8	22.0
137.5°	4.7	6.0	9.1	13.4	18.1	20.9	22.1
138°	4.9	6.1	9.2	13.5	18.2	20.9	22.2
138.5°	5.0	6.3	9.4	13.6	18.3	21.0	22.3
139°	5.1	6.4	9.5	13.8	18.3	21.0	22.4
139.5°	5.2	6.6	9.7	13.9	18.4	21.0	22.5
140°	5.4	6.7	9.8	14.0	18.5	21.1	22.5
140.5°	5.5	6.9	10.0	14.1	18.5	21.1	22.5
141°	5.6	7.1	10.1	14.3	18.6	21.1	22.5
141.5°	5.8	7.2	10.2	14.4	18.7	21.1	22.5
142°	5.9	7.4	10.4	14.5	18.7	21.2	22.5
142.5°	6.1	7.6	10.5	14.6	18.8	21.2	22.5
143°	6.2	7.8	10.7	14.7	18.9	21.2	22.5
143.5°	6.4	7.9	10.8	14.8	18.9	21.2	22.5
144°	6.5	8.1	11.0	15.0	19.0	21.2	22.5
144.5°	6.7	8.3	11.1	15.1	19.0	21.2	22.5
145°	6.8	8.4	11.3	15.2	19.1	21.2	22.5
145.5°	7.0	8.6	11.4	15.3	19.1	21.2	22.5
146°	7.1	8.8	11.6	15.4	19.2	21.2	22.4
146.5°	7.3	8.9	11.7	15.5	19.2	21.2	22.4
147°	7.4	9.1	11.9	15.6	19.3	21.2	22.4
147.5°	7.6	9.2	12.0	15.7	19.4	21.2	22.3
148°	7.7	9.4	12.2	15.8	19.4	21.2	22.3
148.5°	7.8	9.5	12.3	16.0	19.5	21.2	22.3
149°	8.0	9.7	12.4	16.1	19.5	21.2	22.2
149.5°	8.1	9.8	12.6	16.2	19.6	21.2	22.2
150°	8.3	9.9	12.7	16.3	19.6	21.3	22.2
150.5°	8.4	10.1	12.8	16.4	19.7	21.3	22.2
151°	8.5	10.2	13.0	16.5	19.8	21.3	22.2
151.5°	8.7	10.4	13.1	16.6	19.8	21.4	22.2
152°	8.8	10.5	13.3	16.8	19.9	21.4	22.1
152.5°	9.0	10.7	13.4	16.9	20.0	21.5	22.1
153°	9.1	10.8	13.6	17.0	20.1	21.5	22.1
153.5°	9.3	11.0	13.7	17.2	20.2	21.6	22.1
154°	9.4	11.1	13.9	17.3	20.3	21.6	22.0
154.5°	9.6	11.3	14.0	17.4	20.3	21.7	22.0
155°	9.7	11.4	14.2	17.5	20.4	21.7	22.0
155.5°	9.9	11.6	14.3	17.6	20.5	21.7	22.0
156°	10.0	11.8	14.5	17.7	20.5	21.7	22.0
156.5°	10.2	11.9	14.6	17.8	20.6	21.8	21.9
157°	10.3	12.1	14.8	17.9	20.6	21.8	21.9

REPORT NUMBER: P1197115

CATALOG NUMBER: AWP150S-BZ-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	10.5	12.2	14.9	18.0	20.7	21.8	21.9
158°	10.6	12.3	15.1	18.1	20.7	21.8	21.9
158.5°	10.8	12.5	15.2	18.2	20.8	21.8	21.9
159°	11.0	12.7	15.3	18.3	20.8	21.8	21.9
159.5°	11.1	12.8	15.5	18.4	20.9	21.8	21.9
160°	11.3	13.0	15.6	18.5	20.9	21.8	21.9
160.5°	11.5	13.1	15.8	18.6	21.0	21.8	21.9
161°	11.6	13.3	15.9	18.7	21.0	21.8	21.8
161.5°	11.8	13.4	16.1	18.8	21.0	21.8	21.8
162°	12.0	13.6	16.2	18.8	21.1	21.8	21.8
162.5°	12.1	13.8	16.3	18.9	21.1	21.8	21.7
163°	12.3	13.9	16.5	19.0	21.1	21.8	21.7
163.5°	12.5	14.1	16.6	19.1	21.2	21.8	21.6
164°	12.6	14.3	16.7	19.2	21.2	21.8	21.5
164.5°	12.8	14.4	16.9	19.3	21.2	21.8	21.4
165°	13.0	14.6	17.0	19.4	21.3	21.8	21.3
165.5°	13.2	14.8	17.2	19.5	21.3	21.8	21.3
166°	13.4	15.0	17.3	19.6	21.4	21.8	21.3
166.5°	13.6	15.2	17.5	19.6	21.4	21.8	21.3
167°	13.8	15.4	17.6	19.7	21.4	21.8	21.3
167.5°	14.0	15.5	17.8	19.8	21.5	21.8	21.3
168°	14.3	15.7	17.9	19.9	21.5	21.8	21.2
168.5°	14.5	15.9	18.1	20.0	21.5	21.8	21.2
169°	14.7	16.1	18.2	20.1	21.5	21.8	21.1
169.5°	14.9	16.3	18.4	20.2	21.5	21.8	21.0
170°	15.2	16.5	18.5	20.2	21.5	21.8	21.0
170.5°	15.4	16.7	18.6	20.3	21.5	21.8	20.9
171°	15.6	16.9	18.8	20.3	21.5	21.8	20.8
171.5°	15.8	17.0	18.9	20.4	21.5	21.8	20.8
172°	15.9	17.1	19.0	20.4	21.5	21.7	20.6
172.5°	16.1	17.3	19.1	20.5	21.4	21.6	20.5
173°	16.3	17.4	19.2	20.5	21.4	21.6	20.4
173.5°	16.5	17.6	19.3	20.6	21.4	21.5	20.3
174°	16.6	17.8	19.4	20.6	21.4	21.5	20.2
174.5°	16.8	17.9	19.5	20.6	21.4	21.4	20.1
175°	17.0	18.1	19.6	20.7	21.4	21.4	19.9
175.5°	17.2	18.2	19.7	20.7	21.3	21.3	19.8
176°	17.3	18.4	19.8	20.7	21.3	21.3	19.7
176.5°	17.5	18.5	19.9	20.7	21.3	21.2	19.6
177°	17.6	18.7	20.0	20.8	21.3	21.2	19.4
177.5°	17.8	18.8	20.1	20.8	21.2	21.1	19.3
178°	18.0	19.0	20.2	20.9	21.2	21.0	19.2
178.5°	18.1	19.1	20.3	20.9	21.2	21.0	19.0
179°	18.3	19.3	20.4	20.9	21.2	20.9	18.9
179.5°	18.5	19.4	20.5	21.0	21.1	20.8	18.7



REPORT NUMBER: P1197115
CATALOG NUMBER: AWPf150S-BZ-BZ-HIGH-3000K-POSITION 15

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	18.6	18.6	18.6	18.6	18.6	18.6	18.6

(END OF REPORT)