

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: P1197131

Luminaire Tested: AWPf150S-BZ-BZ-LOW-5000K-POSITION 30

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197131
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-LOW-5000K-POSITION 30
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 19110 (1 lamp)
Luminaire Lumens: 14097 lumens
Efficiency: 73.8%
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U5 - G5

Input Watts (W): 99.9
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

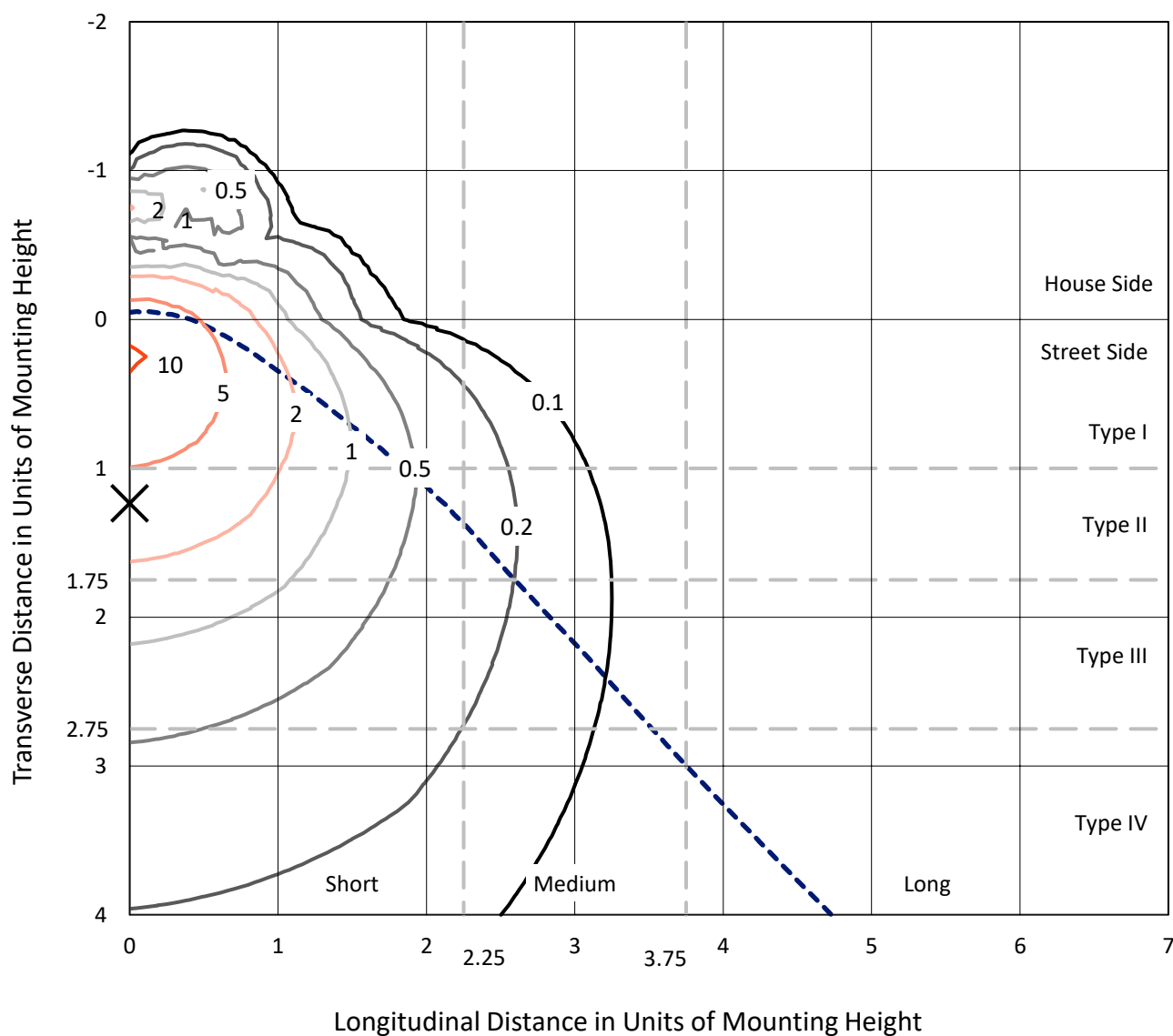
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

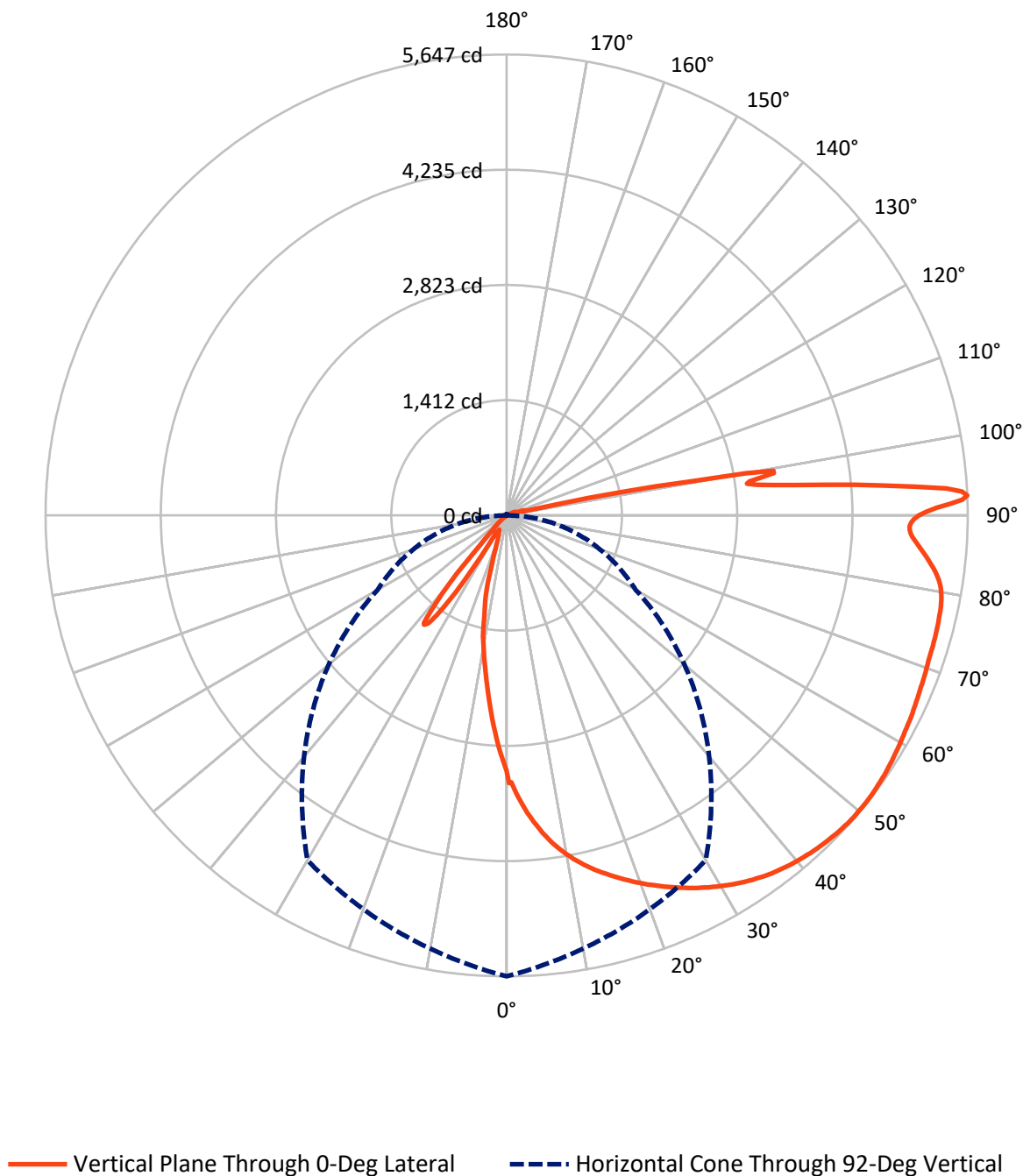


Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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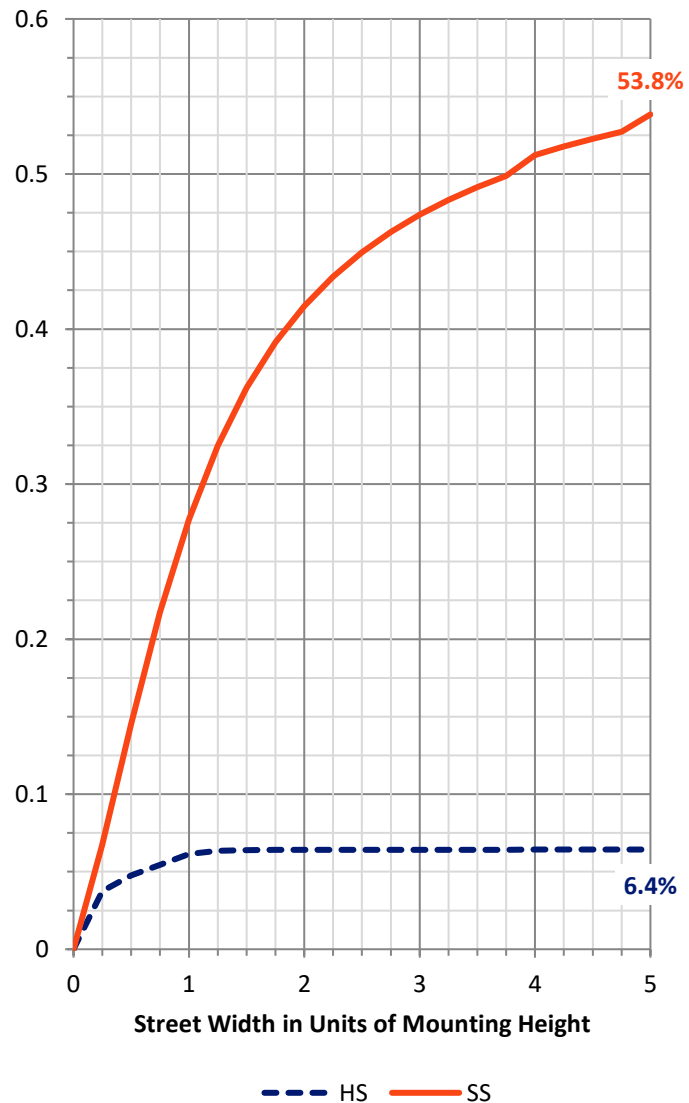
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1242.0	35.8	1277.8
	% Lamp	6.5	0.2	6.7
Street Side	Lumens	11524.5	1294.7	12819.2
	% Lamp	60.3	6.8	67.1
Total	Lumens	12766.5	1330.5	14097.0
	% Lamp	66.8	7.0	73.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	303.3	2.2	1.6
10°-20°	821.3	5.8	4.3
20°-30°	1201.3	8.5	6.3
30°-40°	1574.3	11.2	8.2
40°-50°	1857.4	13.2	9.7
50°-60°	1831.1	13.0	9.6
60°-70°	1805.7	12.8	9.4
70°-80°	1746.0	12.4	9.1
80°-90°	1626.1	11.5	8.5
90°-100°	1195.2	8.5	6.3
100°-110°	92.0	0.7	0.5
110°-120°	17.7	0.1	0.1
120°-130°	6.5	0.0	0.0
130°-140°	6.0	0.0	0.0
140°-150°	5.3	0.0	0.0
150°-160°	4.2	0.0	0.0
160°-170°	2.7	0.0	0.0
170°-180°	0.9	0.0	0.0
0°-90°	12766.5	90.6	66.8
0°-180°	14097.0	100.0	73.8

Coefficient of Utilization



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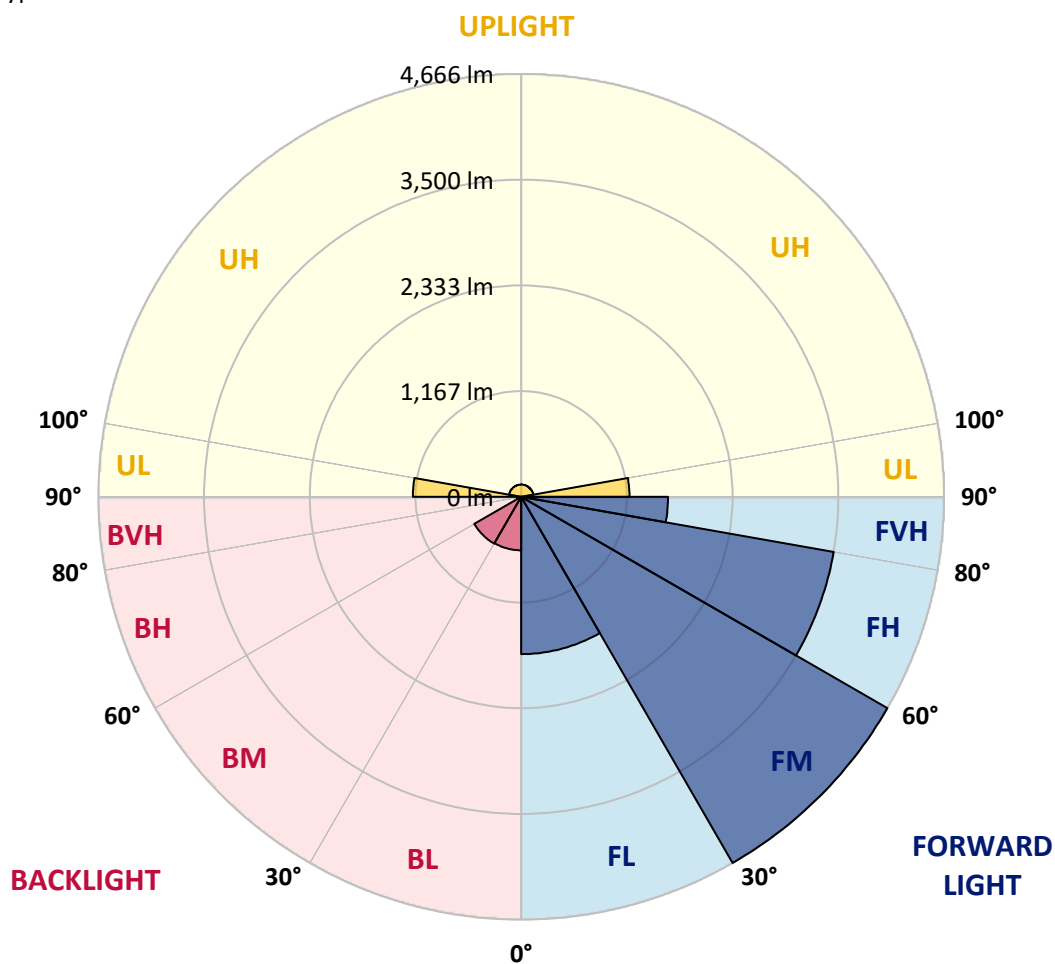
CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1735.9	9.1			
FM	(30°-60°)	4666.3	24.4			
FH	(60°-80°)	3502.2	18.3			G2/5000
FVH	(80°-90°)	1620.2	8.5			G5
BL	(0°-30°)	590.1	3.1	B2/1000		
BM	(30°-60°)	596.5	3.1	B1/1000		
BH	(60°-80°)	49.5	0.3	B0/110		G0/110
BVH	(80°-90°)	5.9	0.0			G0/10
UL	(90°-100°)	1195.2	6.3		U5	
UH	(100°-180°)	135.3	0.7		U3/500	
Trapped Light		5013.0	26.2			

BUG Rating: B2-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3278.4	3278.4	3278.4	3278.4	3278.4	3278.4	3278.4
0.5°	3270.7	3333.0	3331.4	3322.2	3281.7	3199.0	3129.5
1°	3341.0	3388.5	3363.8	3321.4	3245.9	3135.4	3051.4
1.5°	3408.1	3447.2	3397.0	3320.4	3210.0	3073.1	2977.5
2°	3469.4	3501.9	3428.7	3318.8	3172.9	3007.5	2904.8
2.5°	3532.3	3553.3	3459.9	3316.2	3134.5	2941.4	2824.6
3°	3593.6	3606.8	3489.6	3313.9	3095.6	2874.5	2746.7
3.5°	3651.5	3655.9	3517.4	3310.4	3056.1	2803.8	2667.4
4°	3707.2	3702.6	3545.6	3306.5	3015.3	2735.6	2584.4
4.5°	3764.8	3749.2	3572.9	3302.5	2973.7	2664.6	2500.5
5°	3810.3	3795.0	3598.2	3298.1	2933.4	2594.0	2421.6
5.5°	3863.6	3836.6	3624.2	3292.4	2891.2	2521.8	2339.8
6°	3915.0	3880.4	3648.5	3286.9	2846.6	2447.4	2257.9
6.5°	3961.2	3921.7	3672.8	3280.4	2803.5	2376.8	2181.5
7°	4006.9	3961.9	3696.3	3273.5	2757.8	2305.0	2105.3
7.5°	4053.0	3998.8	3717.9	3267.0	2713.0	2234.1	2027.5
8°	4094.1	4036.6	3739.5	3259.4	2667.2	2163.4	1959.8
8.5°	4135.4	4071.6	3759.9	3250.7	2619.9	2094.5	1892.3
9°	4173.9	4105.6	3779.1	3242.5	2574.3	2029.3	1824.8
9.5°	4212.9	4138.9	3798.8	3232.6	2526.6	1967.2	1757.3
10°	4248.2	4171.0	3817.2	3223.4	2477.0	1905.2	1689.7
10.5°	4284.4	4201.1	3834.7	3213.3	2430.8	1843.3	1625.8
11°	4318.7	4230.7	3851.5	3202.4	2381.1	1781.3	1565.0
11.5°	4351.0	4259.3	3868.3	3191.0	2331.4	1719.4	1510.5
12°	4382.6	4285.7	3883.1	3180.2	2282.4	1661.4	1431.7
12.5°	4413.2	4311.5	3897.8	3167.4	2234.0	1604.9	1336.9
13°	4443.2	4336.9	3911.3	3154.9	2183.1	1550.2	1260.4
13.5°	4472.8	4360.5	3924.0	3141.9	2134.1	1498.3	1192.1
14°	4500.1	4380.3	3936.3	3127.8	2086.2	1449.9	1132.6
14.5°	4529.0	4400.0	3948.4	3113.1	2036.2	1381.4	1077.2
15°	4554.9	4419.7	3959.4	3098.3	1987.2	1301.9	1015.6
15.5°	4583.8	4439.5	3970.8	3082.7	1940.3	1228.6	944.4
16°	4610.5	4459.2	3981.0	3065.9	1890.8	1166.5	859.8
16.5°	4637.2	4481.2	3989.7	3049.8	1844.1	1108.0	763.5
17°	4664.4	4497.7	3997.3	3032.7	1798.1	1055.9	671.5
17.5°	4691.8	4517.1	4004.8	3014.4	1750.1	1000.7	588.7
18°	4716.4	4536.5	4012.2	2997.3	1704.0	941.1	522.0
18.5°	4742.6	4555.2	4018.6	2979.5	1659.9	871.2	463.8
19°	4768.2	4574.5	4024.2	2960.2	1614.3	792.1	416.6
19.5°	4793.1	4593.8	4029.6	2941.6	1570.5	705.2	376.5
20°	4817.2	4612.1	4034.2	2921.7	1529.7	625.2	341.7
20.5°	4843.6	4631.3	4039.1	2901.3	1488.8	552.3	314.5
21°	4865.7	4649.5	4043.0	2880.2	1448.2	490.6	292.4
21.5°	4890.5	4666.6	4046.1	2858.9	1410.1	438.7	275.6
22°	4915.1	4684.1	4048.6	2837.1	1373.1	397.0	263.6

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CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	4938.8	4700.8	4050.3	2815.4	1334.1	360.8	254.7
23°	4962.6	4717.8	4052.1	2793.6	1297.1	330.3	248.8
23.5°	4986.3	4733.8	4053.6	2770.8	1261.1	304.9	245.1
24°	5010.0	4750.9	4054.6	2747.5	1228.7	285.9	243.1
24.5°	5031.4	4766.3	4055.4	2725.4	1191.7	270.9	240.7
25°	5054.8	4782.6	4055.2	2701.3	1144.0	260.0	235.9
25.5°	5077.8	4798.3	4054.9	2676.5	1088.0	252.9	227.3
26°	5100.1	4814.0	4054.6	2652.3	1035.4	248.2	217.5
26.5°	5121.4	4829.4	4052.7	2626.6	987.6	246.9	211.6
27°	5143.1	4843.1	4051.2	2599.9	943.9	248.4	206.1
27.5°	5163.3	4856.1	4048.8	2574.6	900.5	252.0	200.6
28°	5184.6	4870.4	4045.8	2547.4	860.3	257.6	195.0
28.5°	5202.0	4884.4	4042.9	2519.1	817.4	264.4	200.4
29°	5223.0	4898.4	4039.6	2491.7	774.9	272.1	208.2
29.5°	5241.6	4911.1	4035.3	2463.6	730.5	280.0	218.2
30°	5261.8	4925.8	4030.9	2433.1	689.6	286.7	227.8
30.5°	5280.9	4938.6	4026.3	2404.1	647.6	290.0	232.6
31°	5299.3	4950.9	4021.0	2374.2	604.3	287.6	235.6
31.5°	5317.0	4963.2	4015.3	2343.5	560.5	280.6	253.2
32°	5334.8	4975.3	4008.6	2312.2	521.2	270.2	421.7
32.5°	5351.3	4986.9	4002.4	2281.9	490.5	258.9	598.3
33°	5368.6	4999.1	3996.0	2249.3	468.1	249.4	774.9
33.5°	5384.7	5010.5	3989.3	2217.2	447.1	242.6	951.5
34°	5399.0	5020.6	3982.2	2186.3	426.2	236.4	1128.1
34.5°	5413.3	5030.1	3974.6	2153.8	405.2	230.9	1258.9
35°	5427.8	5040.2	3967.9	2121.2	384.2	228.1	1383.9
35.5°	5441.5	5049.8	3959.5	2089.0	363.3	222.2	1491.8
36°	5454.0	5059.1	3951.2	2057.7	351.4	216.0	1578.1
36.5°	5466.7	5067.3	3942.6	2025.6	341.1	209.5	1633.6
37°	5478.4	5075.3	3934.1	1994.1	332.9	202.6	1656.8
37.5°	5488.1	5082.2	3925.8	1963.1	325.0	202.9	1676.5
38°	5499.8	5089.6	3917.3	1931.9	318.3	204.0	1663.3
38.5°	5509.9	5097.0	3908.2	1900.5	311.2	206.4	1592.7
39°	5519.3	5101.8	3898.7	1868.4	304.9	210.7	1468.5
39.5°	5529.1	5107.0	3889.7	1834.6	299.0	221.1	1354.8
40°	5537.1	5112.4	3879.5	1799.8	294.8	366.8	1236.9
40.5°	5545.3	5116.3	3870.0	1761.4	291.0	515.7	1097.7
41°	5553.8	5120.7	3859.7	1720.5	287.4	664.3	936.1
41.5°	5562.4	5124.1	3848.6	1678.2	283.3	813.0	771.4
42°	5569.1	5127.2	3837.6	1635.9	279.3	961.5	602.7
42.5°	5577.3	5128.6	3825.9	1590.8	274.9	1077.3	477.5
43°	5584.1	5131.2	3815.0	1545.0	270.7	1139.0	395.8
43.5°	5589.6	5132.5	3803.2	1499.1	266.4	1168.5	338.9
44°	5595.6	5133.6	3790.2	1455.1	261.7	1184.1	294.8
44.5°	5601.6	5133.5	3777.7	1412.4	256.9	1194.1	259.9

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CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	5607.6	5134.7	3764.7	1371.1	251.5	1181.0	231.8
45.5°	5612.8	5134.0	3750.8	1327.9	245.9	1136.8	214.3
46°	5617.5	5134.4	3736.7	1286.3	240.4	1065.0	197.1
46.5°	5621.6	5133.1	3722.4	1246.3	234.8	1001.6	179.9
47°	5624.9	5131.5	3707.6	1206.5	229.5	933.5	162.8
47.5°	5628.1	5129.4	3692.8	1167.1	224.4	867.8	145.7
48°	5630.9	5127.3	3677.0	1129.8	218.9	807.3	132.3
48.5°	5632.8	5124.3	3661.6	1091.1	213.3	750.6	117.9
49°	5633.0	5120.9	3645.5	1056.3	207.6	696.3	103.5
49.5°	5633.2	5116.7	3629.6	1024.1	201.4	645.2	90.6
50°	5633.4	5112.6	3613.4	992.3	195.2	587.9	77.0
50.5°	5633.6	5107.8	3594.9	959.8	189.7	531.5	63.7
51°	5633.8	5103.6	3577.0	930.7	183.9	478.3	49.6
51.5°	5632.5	5098.1	3557.9	903.1	178.5	426.3	37.8
52°	5631.7	5093.7	3539.5	876.3	173.3	379.7	29.0
52.5°	5628.3	5087.5	3519.8	850.4	168.3	340.0	23.8
53°	5626.2	5081.8	3500.3	824.5	161.3	302.6	21.8
53.5°	5621.5	5075.8	3479.7	797.8	148.3	263.8	20.1
54°	5619.4	5070.0	3459.5	768.3	137.5	222.8	18.3
54.5°	5616.5	5063.3	3438.7	731.9	128.1	183.9	16.5
55°	5612.7	5058.1	3417.3	690.6	118.5	145.1	14.7
55.5°	5607.8	5051.6	3395.2	646.1	112.6	106.4	13.1
56°	5603.8	5044.7	3372.3	598.8	106.6	67.7	11.7
56.5°	5599.5	5036.8	3349.8	551.6	95.6	29.0	9.9
57°	5594.1	5030.5	3326.7	506.9	81.8	14.4	8.8
57.5°	5588.6	5022.9	3304.1	468.7	74.1	12.7	8.1
58°	5583.3	5014.4	3281.1	441.9	69.9	12.6	7.4
58.5°	5577.7	5007.1	3256.2	422.4	67.4	12.6	6.8
59°	5572.4	4997.8	3231.2	407.9	65.2	12.4	6.4
59.5°	5567.6	4989.2	3207.3	397.5	63.3	12.2	6.0
60°	5562.1	4978.8	3182.3	389.5	61.4	11.9	5.8
60.5°	5557.9	4969.4	3158.3	382.4	59.2	11.4	5.6
61°	5551.8	4959.3	3133.1	375.7	55.4	10.4	5.5
61.5°	5547.7	4950.0	3108.9	369.1	52.4	9.9	5.4
62°	5542.2	4938.0	3086.2	362.3	49.5	9.5	5.4
62.5°	5538.0	4925.8	3062.4	355.3	46.3	9.0	5.3
63°	5532.7	4914.3	3040.4	348.1	42.3	8.6	5.2
63.5°	5529.0	4902.6	3017.6	341.1	37.6	8.2	5.2
64°	5523.7	4888.9	2995.0	334.1	34.0	7.8	5.1
64.5°	5518.2	4876.4	2971.5	327.3	31.4	7.4	5.1
65°	5512.7	4863.6	2948.1	320.1	29.0	7.1	5.1
65.5°	5507.9	4849.8	2924.4	312.4	26.9	6.7	5.2
66°	5503.1	4835.6	2900.2	304.6	24.6	6.4	5.3
66.5°	5497.9	4824.7	2875.2	297.4	22.2	6.1	5.4
67°	5492.8	4812.0	2848.5	290.3	19.7	5.8	5.5

REPORT NUMBER: P1197131

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	5488.5	4799.0	2822.4	283.1	17.0	5.5	5.6
68°	5485.1	4787.8	2795.3	275.6	14.3	5.3	5.7
68.5°	5481.0	4776.8	2767.3	267.6	11.5	5.0	5.9
69°	5476.8	4765.3	2738.6	259.5	9.0	4.8	6.0
69.5°	5473.4	4755.5	2708.5	251.9	6.7	4.7	6.2
70°	5469.9	4745.5	2677.9	244.7	5.6	4.5	6.3
70.5°	5465.1	4735.6	2647.2	237.3	5.3	4.4	6.5
71°	5463.1	4728.2	2613.3	229.3	5.2	4.4	6.6
71.5°	5460.9	4720.3	2579.6	221.7	5.1	4.4	6.7
72°	5458.9	4713.3	2545.2	214.2	5.0	4.5	6.8
72.5°	5458.2	4706.3	2512.3	205.8	4.7	4.5	7.0
73°	5456.8	4701.2	2479.6	197.4	4.4	4.5	7.1
73.5°	5454.8	4696.1	2447.7	189.0	4.3	4.5	7.3
74°	5453.3	4690.6	2414.6	180.6	4.3	4.6	7.5
74.5°	5450.6	4685.4	2380.7	171.5	4.3	4.7	7.7
75°	5448.5	4678.6	2347.3	161.8	4.3	4.8	8.0
75.5°	5447.6	4674.1	2310.8	152.1	4.3	5.0	8.2
76°	5444.3	4670.3	2268.1	142.2	4.3	5.2	8.4
76.5°	5441.0	4667.2	2223.9	132.6	4.4	5.3	8.6
77°	5439.0	4664.6	2180.1	123.1	4.4	5.5	8.7
77.5°	5435.0	4664.1	2134.7	113.5	4.4	5.6	8.9
78°	5429.4	4662.4	2090.9	104.3	4.4	5.8	9.0
78.5°	5423.2	4658.0	2049.6	95.7	4.4	5.9	9.2
79°	5415.2	4651.5	2011.8	86.6	4.5	6.1	9.4
79.5°	5404.0	4644.7	1975.1	78.0	4.5	6.3	9.6
80°	5390.6	4640.0	1938.0	69.3	4.6	6.4	9.7
80.5°	5372.5	4635.2	1900.6	61.4	4.6	6.6	9.9
81°	5351.5	4630.7	1866.7	54.6	4.7	6.7	10.1
81.5°	5324.9	4625.7	1833.7	48.6	4.7	6.9	10.3
82°	5296.9	4620.1	1801.8	43.8	4.8	7.0	10.5
82.5°	5264.8	4616.3	1771.3	39.1	4.9	7.2	10.6
83°	5228.2	4610.7	1737.1	35.2	4.9	7.3	10.8
83.5°	5190.7	4604.2	1703.6	31.6	5.0	7.5	10.9
84°	5155.8	4598.0	1670.1	28.2	5.1	7.6	11.1
84.5°	5117.1	4590.9	1636.7	25.2	5.2	7.8	11.2
85°	5078.8	4580.0	1605.2	22.5	5.3	8.0	11.4
85.5°	5044.7	4571.5	1577.1	20.1	5.4	8.1	11.6
86°	5007.5	4568.3	1551.5	17.8	5.5	8.3	11.7
86.5°	4974.8	4580.0	1530.4	15.7	5.6	8.4	11.9
87°	4949.6	4607.0	1513.9	13.8	5.7	8.6	12.0
87.5°	4938.3	4649.6	1507.5	11.9	5.8	8.8	12.2
88°	4939.0	4713.7	1511.4	10.2	5.9	8.9	12.3
88.5°	4957.0	4809.9	1527.4	8.7	6.0	9.1	12.4
89°	4989.6	4918.3	1558.6	7.6	6.1	9.2	12.6
89.5°	5050.3	5046.4	1606.5	6.5	6.2	9.4	12.7

REPORT NUMBER: P1197131

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	5143.5	5165.3	1658.6	5.5	6.3	9.5	12.8
90.5°	5267.4	5250.0	1715.3	5.2	6.4	9.7	13.0
91°	5430.7	5251.6	1770.5	5.1	6.6	9.8	13.1
91.5°	5585.3	5145.7	1813.8	5.0	6.7	10.0	13.2
92°	5646.5	4876.3	1824.6	4.9	6.8	10.1	13.3
92.5°	5583.7	4477.0	1799.4	4.8	6.9	10.3	13.5
93°	5391.6	3998.9	1728.5	4.8	7.0	10.4	13.6
93.5°	5023.3	3563.9	1608.0	4.7	7.1	10.5	13.7
94°	4655.6	3209.7	1422.9	4.6	7.2	10.6	13.8
94.5°	4289.2	2970.6	1201.0	4.6	7.2	10.7	13.9
95°	3923.5	2795.7	974.9	4.5	7.3	10.8	13.9
95.5°	3561.2	2728.4	773.4	4.5	7.4	10.9	14.0
96°	3285.5	2808.9	629.6	4.4	7.5	11.0	14.1
96.5°	3082.0	3018.7	558.7	4.4	7.6	11.2	14.2
97°	2967.7	3220.4	487.7	4.3	7.7	11.3	14.3
97.5°	3004.2	3278.3	416.8	4.3	7.8	11.4	14.4
98°	3152.3	3017.5	345.9	4.3	7.9	11.6	14.5
98.5°	3313.8	2443.5	275.2	4.2	8.0	11.7	14.6
99°	3310.3	1762.7	264.2	4.2	8.1	11.8	14.7
99.5°	2974.8	1364.3	265.2	4.2	8.2	12.0	14.8
100°	2271.5	981.0	254.5	4.1	8.2	12.1	14.8
100.5°	1854.7	597.8	243.0	4.1	8.3	12.2	14.9
101°	1438.0	214.5	228.4	4.0	8.4	12.3	15.0
101.5°	1024.9	198.1	203.8	4.0	8.4	12.4	15.0
102°	612.0	186.0	195.3	4.0	8.5	12.5	15.1
102.5°	210.2	174.0	185.7	3.9	8.6	12.6	15.1
103°	199.2	161.7	160.5	3.9	8.7	12.7	15.1
103.5°	198.2	164.8	96.7	3.9	8.7	12.8	15.2
104°	206.6	160.6	72.3	3.9	8.8	12.8	15.2
104.5°	215.3	149.9	61.2	3.9	8.8	12.9	15.2
105°	219.8	135.2	51.4	3.9	8.9	13.0	15.3
105.5°	215.2	121.3	43.8	3.9	9.0	13.1	15.3
106°	192.6	105.7	36.7	4.0	9.0	13.2	15.3
106.5°	170.7	94.4	30.7	4.0	9.1	13.3	15.4
107°	155.3	86.5	25.1	4.0	9.2	13.4	15.4
107.5°	139.5	81.1	20.3	4.0	9.2	13.5	15.5
108°	126.3	78.1	16.6	4.0	9.3	13.6	15.5
108.5°	118.5	76.1	13.5	4.0	9.4	13.6	15.6
109°	115.4	75.6	11.2	4.0	9.5	13.7	15.6
109.5°	115.5	77.9	9.9	4.1	9.5	13.7	15.6
110°	116.8	81.3	9.0	4.2	9.6	13.8	15.7
110.5°	117.1	84.1	8.1	4.2	9.7	13.9	15.7
111°	115.8	85.5	7.2	4.3	9.7	13.9	15.7
111.5°	114.5	84.8	6.3	4.3	9.8	14.0	15.7
112°	112.2	82.5	5.6	4.4	9.8	14.0	15.7

REPORT NUMBER: P1197131

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	106.8	79.1	5.1	4.4	9.9	14.0	15.8
113°	101.7	70.7	4.6	4.5	9.9	14.1	15.8
113.5°	94.8	55.1	4.3	4.5	10.0	14.1	15.8
114°	85.3	36.7	3.9	4.6	10.0	14.2	15.8
114.5°	73.6	20.3	3.6	4.7	10.1	14.2	15.9
115°	60.6	12.8	3.4	4.7	10.2	14.3	15.9
115.5°	48.9	9.9	3.2	4.8	10.2	14.3	15.9
116°	37.0	7.7	3.0	4.9	10.3	14.4	15.9
116.5°	23.3	5.6	2.8	4.9	10.3	14.4	15.9
117°	14.0	4.0	2.6	5.0	10.4	14.4	15.9
117.5°	10.0	2.9	2.4	5.1	10.4	14.5	15.9
118°	7.4	2.2	2.3	5.1	10.5	14.5	15.9
118.5°	5.4	1.9	2.2	5.2	10.5	14.5	15.9
119°	3.9	1.6	2.1	5.2	10.5	14.5	15.9
119.5°	3.1	1.5	2.0	5.3	10.6	14.5	15.9
120°	2.4	1.4	1.9	5.4	10.6	14.5	15.9
120.5°	2.0	1.3	1.8	5.4	10.7	14.6	15.9
121°	1.6	1.3	1.8	5.5	10.7	14.6	15.9
121.5°	1.5	1.2	1.8	5.6	10.8	14.7	15.9
122°	1.4	1.2	1.8	5.6	10.8	14.7	15.9
122.5°	1.4	1.2	1.9	5.7	10.8	14.7	15.9
123°	1.4	1.2	1.9	5.7	10.9	14.7	15.9
123.5°	1.3	1.2	1.9	5.8	10.9	14.7	16.0
124°	1.3	1.2	2.0	5.9	10.9	14.7	16.0
124.5°	1.3	1.2	2.0	5.9	11.0	14.7	16.0
125°	1.3	1.1	2.1	6.0	11.0	14.8	16.0
125.5°	1.3	1.1	2.1	6.1	11.0	14.8	16.0
126°	1.3	1.1	2.2	6.1	11.1	14.8	16.0
126.5°	1.3	1.1	2.2	6.2	11.1	14.8	16.0
127°	1.2	1.1	2.3	6.3	11.2	14.8	16.0
127.5°	1.2	1.1	2.3	6.3	11.2	14.8	16.0
128°	1.2	1.0	2.4	6.4	11.2	14.8	16.0
128.5°	1.1	1.0	2.5	6.5	11.3	14.8	15.9
129°	1.1	1.0	2.5	6.5	11.3	14.8	15.9
129.5°	1.1	1.1	2.6	6.6	11.3	14.8	15.9
130°	1.0	1.1	2.7	6.7	11.4	14.8	15.9
130.5°	1.0	1.1	2.8	6.7	11.4	14.8	15.9
131°	1.0	1.1	2.8	6.8	11.4	14.8	15.8
131.5°	0.9	1.1	2.9	6.8	11.5	14.8	15.8
132°	1.0	1.1	3.0	6.9	11.5	14.8	15.8
132.5°	0.9	1.1	3.0	7.0	11.5	14.8	15.7
133°	0.9	1.1	3.1	7.0	11.6	14.8	15.7
133.5°	1.0	1.1	3.2	7.1	11.6	14.8	15.7
134°	0.9	1.1	3.3	7.2	11.6	14.8	15.7
134.5°	1.0	1.1	3.4	7.2	11.6	14.8	15.6

REPORT NUMBER: P1197131

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	1.0	1.2	3.4	7.3	11.7	14.8	15.6
135.5°	1.0	1.2	3.5	7.4	11.7	14.8	15.6
136°	1.0	1.3	3.6	7.4	11.7	14.8	15.6
136.5°	1.0	1.3	3.7	7.5	11.8	14.8	15.5
137°	1.0	1.3	3.7	7.5	11.8	14.8	15.5
137.5°	1.1	1.4	3.8	7.6	11.8	14.8	15.5
138°	1.1	1.4	3.9	7.7	11.8	14.8	15.5
138.5°	1.1	1.5	4.0	7.7	11.9	14.8	15.5
139°	1.2	1.5	4.1	7.8	11.9	14.8	15.5
139.5°	1.2	1.5	4.2	7.8	11.9	14.7	15.5
140°	1.2	1.6	4.2	7.9	11.9	14.7	15.5
140.5°	1.3	1.7	4.3	8.0	12.0	14.7	15.4
141°	1.3	1.7	4.4	8.0	12.0	14.7	15.4
141.5°	1.3	1.8	4.5	8.1	12.0	14.7	15.3
142°	1.4	1.8	4.5	8.1	12.0	14.7	15.2
142.5°	1.4	1.9	4.6	8.2	12.1	14.7	15.2
143°	1.4	1.9	4.7	8.2	12.1	14.7	15.1
143.5°	1.5	2.0	4.8	8.3	12.1	14.6	15.0
144°	1.5	2.1	4.9	8.4	12.1	14.6	15.0
144.5°	1.5	2.1	4.9	8.4	12.1	14.6	14.9
145°	1.6	2.2	5.0	8.5	12.1	14.5	14.8
145.5°	1.6	2.2	5.1	8.5	12.1	14.5	14.7
146°	1.6	2.3	5.2	8.6	12.1	14.5	14.7
146.5°	1.7	2.4	5.3	8.6	12.1	14.5	14.6
147°	1.7	2.5	5.3	8.7	12.1	14.4	14.5
147.5°	1.7	2.5	5.4	8.7	12.1	14.4	14.4
148°	1.8	2.6	5.5	8.8	12.1	14.3	14.4
148.5°	1.8	2.7	5.6	8.8	12.2	14.3	14.3
149°	1.8	2.8	5.6	8.9	12.2	14.3	14.2
149.5°	1.9	2.9	5.7	8.9	12.2	14.2	14.1
150°	1.9	2.9	5.8	9.0	12.2	14.2	14.1
150.5°	2.0	3.0	5.9	9.0	12.2	14.2	14.0
151°	2.0	3.1	6.0	9.1	12.2	14.2	14.0
151.5°	2.1	3.2	6.0	9.1	12.2	14.1	13.9
152°	2.1	3.3	6.1	9.2	12.2	14.1	13.8
152.5°	2.2	3.3	6.2	9.2	12.3	14.1	13.7
153°	2.3	3.4	6.3	9.3	12.3	14.1	13.6
153.5°	2.3	3.5	6.4	9.3	12.3	14.1	13.5
154°	2.4	3.6	6.5	9.4	12.3	14.1	13.5
154.5°	2.5	3.7	6.6	9.4	12.3	14.1	13.4
155°	2.6	3.8	6.6	9.5	12.3	14.0	13.3
155.5°	2.7	3.9	6.7	9.5	12.3	14.0	13.2
156°	2.8	4.0	6.8	9.6	12.3	13.9	13.1
156.5°	2.8	4.1	6.9	9.6	12.3	13.9	13.0
157°	2.9	4.2	7.0	9.7	12.3	13.8	12.9

REPORT NUMBER: P1197131

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	3.0	4.3	7.1	9.7	12.3	13.8	12.8
158°	3.1	4.4	7.1	9.7	12.3	13.7	12.7
158.5°	3.2	4.5	7.2	9.8	12.3	13.7	12.6
159°	3.3	4.7	7.3	9.8	12.3	13.6	12.5
159.5°	3.5	4.8	7.4	9.9	12.3	13.6	12.5
160°	3.6	4.9	7.5	9.9	12.3	13.5	12.3
160.5°	3.7	5.0	7.5	10.0	12.3	13.5	12.2
161°	3.8	5.1	7.6	10.0	12.3	13.4	12.1
161.5°	3.9	5.3	7.7	10.0	12.2	13.4	12.0
162°	4.0	5.4	7.8	10.1	12.2	13.3	11.9
162.5°	4.1	5.5	7.9	10.1	12.2	13.2	11.8
163°	4.2	5.6	7.9	10.2	12.2	13.2	11.7
163.5°	4.2	5.7	8.0	10.2	12.2	13.1	11.5
164°	4.3	5.8	8.1	10.2	12.2	13.1	11.4
164.5°	4.4	5.9	8.2	10.3	12.2	13.0	11.2
165°	4.5	6.1	8.2	10.3	12.2	13.0	11.1
165.5°	4.6	6.2	8.3	10.3	12.2	12.9	11.0
166°	4.7	6.3	8.4	10.4	12.2	12.8	10.9
166.5°	4.8	6.4	8.5	10.4	12.2	12.8	10.8
167°	4.9	6.5	8.5	10.5	12.1	12.7	10.7
167.5°	4.9	6.6	8.6	10.5	12.1	12.7	10.6
168°	5.0	6.7	8.7	10.6	12.1	12.6	10.5
168.5°	5.1	6.8	8.8	10.6	12.1	12.5	10.3
169°	5.2	6.9	8.9	10.6	12.1	12.5	10.2
169.5°	5.3	7.0	8.9	10.7	12.1	12.4	10.1
170°	5.4	7.1	9.0	10.7	12.0	12.4	10.0
170.5°	5.5	7.2	9.1	10.7	12.0	12.3	9.9
171°	5.6	7.3	9.1	10.7	12.0	12.2	9.7
171.5°	5.7	7.4	9.2	10.8	11.9	12.1	9.6
172°	5.8	7.5	9.3	10.8	11.9	12.0	9.4
172.5°	5.9	7.5	9.3	10.8	11.8	12.0	9.3
173°	5.9	7.6	9.4	10.8	11.8	11.9	9.1
173.5°	6.0	7.7	9.5	10.8	11.8	11.8	9.0
174°	6.1	7.8	9.5	10.9	11.7	11.7	8.9
174.5°	6.2	7.9	9.6	10.9	11.7	11.7	8.7
175°	6.3	8.0	9.7	10.9	11.7	11.6	8.6
175.5°	6.4	8.1	9.7	10.9	11.6	11.5	8.5
176°	6.5	8.2	9.8	10.9	11.6	11.4	8.3
176.5°	6.6	8.3	9.9	11.0	11.5	11.3	8.2
177°	6.7	8.4	9.9	11.0	11.5	11.3	8.1
177.5°	6.8	8.5	10.0	11.0	11.5	11.2	8.0
178°	6.9	8.6	10.1	11.0	11.4	11.1	7.8
178.5°	7.0	8.7	10.1	11.0	11.4	11.0	7.7
179°	7.1	8.8	10.2	11.0	11.3	11.0	7.6
179.5°	7.3	8.9	10.2	11.0	11.3	10.9	7.5



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CATALOG NUMBER: AWPf150S-BZ-BZ-LOW-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(END OF REPORT)