

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: P1197141

Luminaire Tested: AWPf150S-BZ-BZ-MID-5000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197141
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-MID-5000K-POSITION 45
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 18720 (1 lamp)
Luminaire Lumens: 17102.2 lumens
Efficiency: 91.4%
Efficacy: 137.5 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): 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

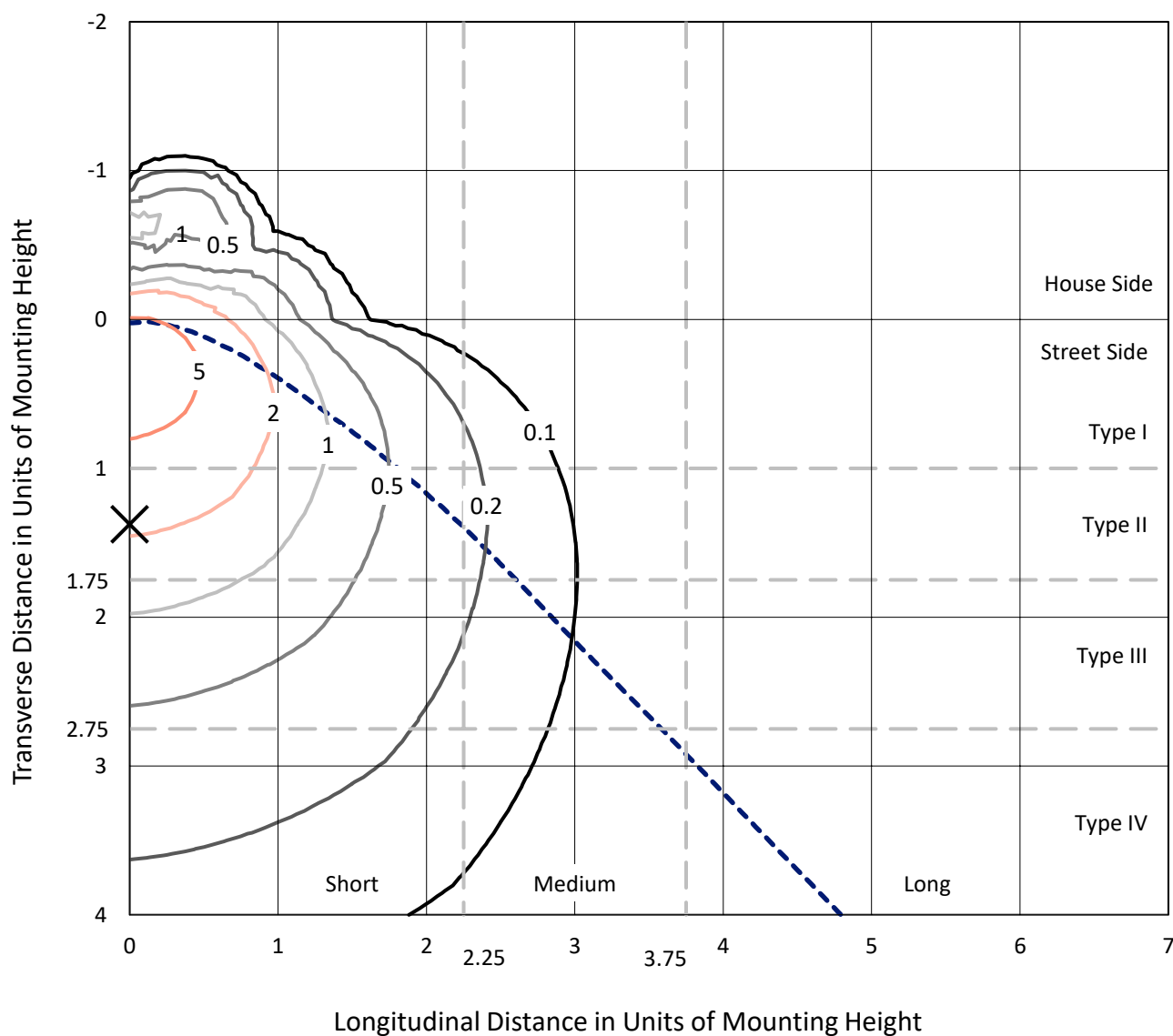
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

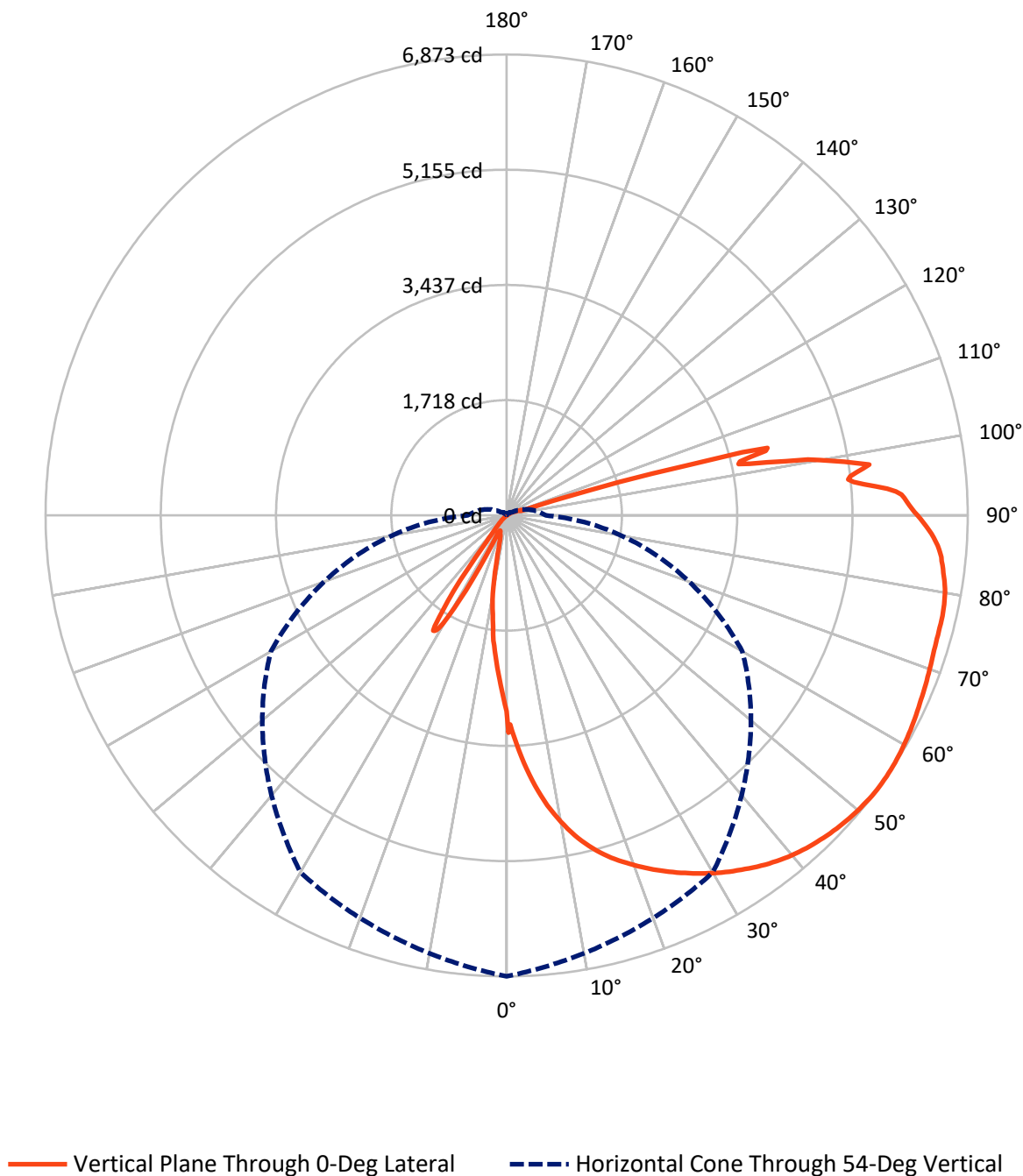


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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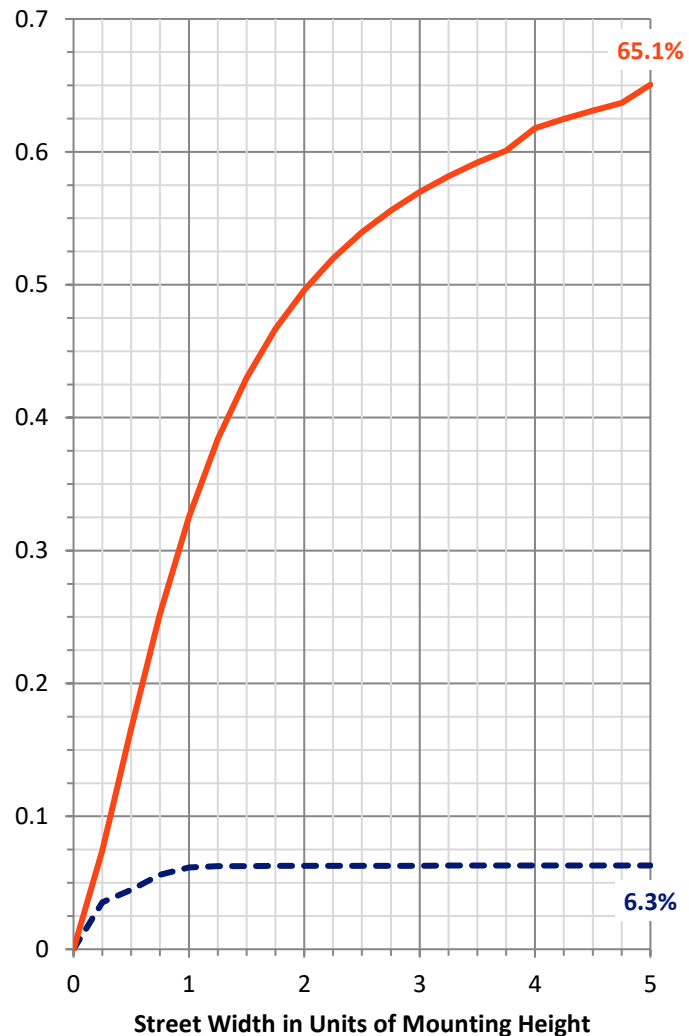
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.9	43.2	1232.1
	% Lamp	6.4	0.2	6.6
Street Side	Lumens	13658.2	2211.9	15870.1
	% Lamp	73.0	11.8	84.8
Total	Lumens	14847.1	2255.1	17102.2
	% Lamp	79.3	12.0	91.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	305.6	1.8	1.6
10°-20°	849.6	5.0	4.5
20°-30°	1319.5	7.7	7.0
30°-40°	1836.3	10.7	9.8
40°-50°	2114.0	12.4	11.3
50°-60°	2138.5	12.5	11.4
60°-70°	2188.8	12.8	11.7
70°-80°	2135.1	12.5	11.4
80°-90°	1959.7	11.5	10.5
90°-100°	1635.1	9.6	8.7
100°-110°	556.8	3.3	3.0
110°-120°	32.8	0.2	0.2
120°-130°	8.5	0.0	0.0
130°-140°	7.1	0.0	0.0
140°-150°	6.1	0.0	0.0
150°-160°	4.7	0.0	0.0
160°-170°	3.0	0.0	0.0
170°-180°	1.1	0.0	0.0
0°-90°	14847.1	86.8	79.3
0°-180°	17102.2	100.0	91.4

Coefficient of Utilization



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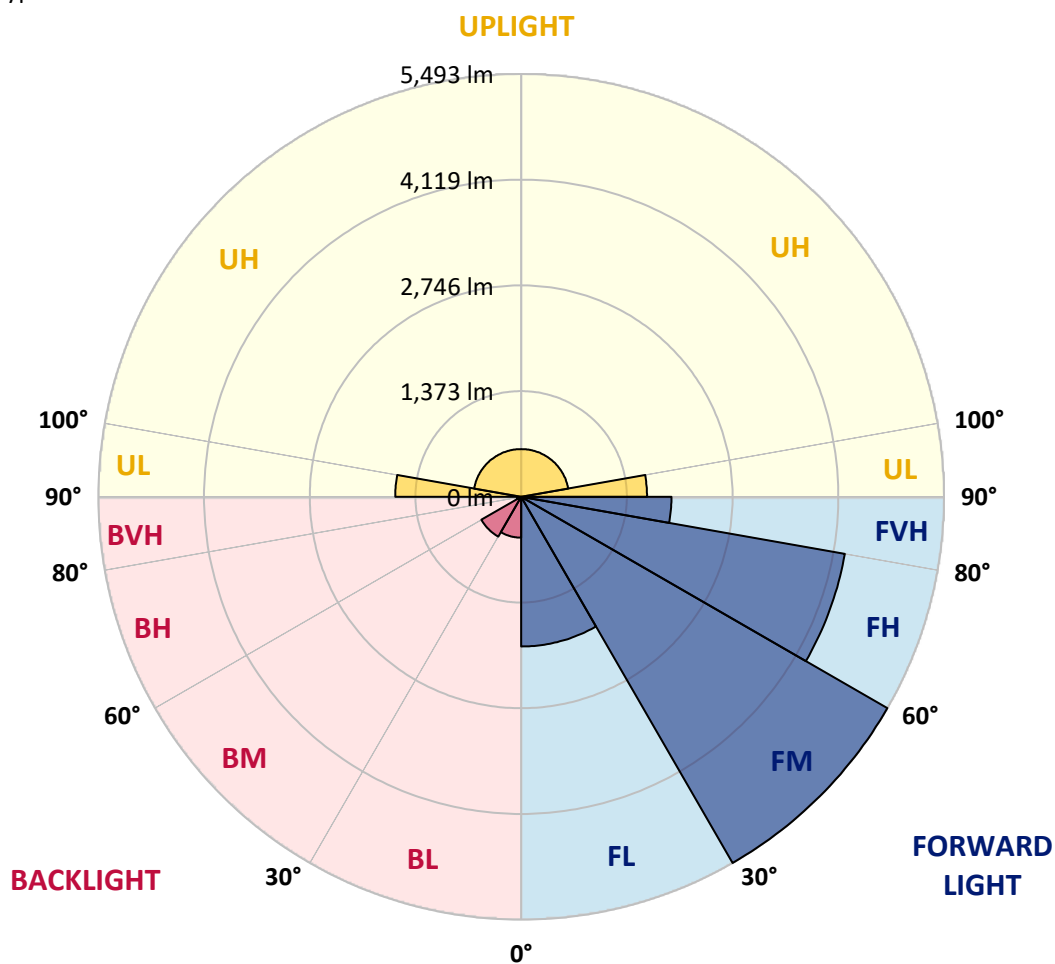
CATALOG NUMBER: AWPf150S-BZ-BZ-MID-5000K-POSITION 45

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1944.2	10.4			
FM	(30°-60°)	5492.6	29.3			
FH	(60°-80°)	4269.3	22.8			G2/5000
FVH	(80°-90°)	1952.1	10.4			G5
BL	(0°-30°)	530.5	2.8	B2/1000		
BM	(30°-60°)	596.2	3.2	B1/1000		
BH	(60°-80°)	54.6	0.3	B0/110		G0/110
BVH	(80°-90°)	7.6	0.0			G0/10
UL	(90°-100°)	1635.1	8.7		U5	
UH	(100°-180°)	620.0	3.3		U4/1000	
Trapped Light		1617.8	8.6			

BUG Rating: B2-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	3239.9	3239.9	3239.9	3239.9	3239.9	3239.9	3239.9
0.5°	3117.6	3246.9	3346.2	3367.0	3301.3	3167.5	2916.7
1°	3217.7	3333.3	3394.1	3366.5	3252.6	3079.1	2818.9
1.5°	3317.7	3416.2	3441.5	3363.8	3203.4	2990.0	2721.0
2°	3413.5	3497.6	3489.0	3362.6	3150.4	2908.8	2624.0
2.5°	3508.5	3580.2	3536.0	3361.4	3099.3	2820.8	2531.1
3°	3604.7	3659.6	3579.4	3358.1	3047.0	2734.9	2443.3
3.5°	3698.9	3737.8	3622.6	3352.9	2993.5	2651.2	2359.5
4°	3785.9	3818.2	3667.7	3348.9	2940.5	2572.6	2275.8
4.5°	3877.8	3894.1	3709.7	3344.5	2888.0	2491.1	2192.1
5°	3962.5	3966.0	3749.0	3338.6	2833.9	2402.0	2108.5
5.5°	4049.8	4038.5	3790.7	3332.7	2781.7	2330.3	2024.9
6°	4133.0	4109.4	3830.3	3325.8	2727.5	2258.8	1948.2
6.5°	4211.3	4175.2	3869.3	3317.4	2675.2	2187.4	1878.4
7°	4287.0	4242.7	3907.1	3310.0	2621.1	2115.7	1784.8
7.5°	4363.2	4305.2	3944.8	3301.9	2569.1	2044.3	1668.9
8°	4435.6	4365.7	3978.6	3292.4	2515.9	1976.2	1568.5
8.5°	4503.7	4425.2	4013.5	3282.6	2464.1	1911.7	1480.8
9°	4570.6	4482.8	4046.1	3272.6	2411.4	1848.8	1406.0
9.5°	4633.7	4538.7	4079.2	3261.5	2357.0	1786.5	1337.4
10°	4694.2	4592.7	4109.4	3250.4	2304.7	1703.1	1265.3
10.5°	4758.5	4644.0	4140.5	3238.1	2252.0	1604.6	1183.7
11°	4817.8	4694.8	4170.1	3225.4	2198.8	1515.6	1086.3
11.5°	4875.0	4744.9	4198.1	3212.6	2148.7	1437.9	971.1
12°	4929.4	4793.2	4224.7	3198.7	2098.8	1371.7	856.5
12.5°	4981.9	4837.4	4251.8	3184.0	2048.1	1308.7	752.2
13°	5031.0	4882.2	4277.7	3168.0	1998.8	1244.7	664.4
13.5°	5079.9	4924.0	4302.1	3152.1	1952.6	1176.5	590.3
14°	5127.1	4964.7	4324.9	3135.0	1903.8	1096.5	530.6
14.5°	5171.7	5004.1	4347.5	3117.6	1856.4	1001.3	477.8
15°	5214.3	5041.1	4368.7	3099.5	1810.7	901.0	434.0
15.5°	5258.0	5077.6	4390.3	3080.4	1764.3	801.6	397.0
16°	5298.9	5113.4	4409.8	3061.3	1719.2	710.4	368.5
16.5°	5335.7	5146.6	4429.5	3043.4	1675.2	629.6	345.9
17°	5374.8	5179.0	4447.4	3023.2	1632.5	564.0	329.9
17.5°	5412.3	5209.9	4464.3	3002.7	1583.8	510.5	318.1
18°	5444.6	5239.4	4480.6	2983.2	1521.6	462.4	310.0
18.5°	5479.6	5267.4	4495.2	2961.7	1456.7	422.9	305.1
19°	5514.8	5290.9	4509.4	2937.3	1397.1	389.7	302.3
19.5°	5549.4	5314.1	4523.0	2914.2	1341.5	361.4	300.0
20°	5581.9	5337.5	4536.0	2891.0	1287.3	339.3	295.1
20.5°	5616.2	5360.7	4547.4	2868.4	1238.8	322.1	285.7
21°	5649.1	5383.9	4558.7	2844.4	1193.4	310.3	273.1
21.5°	5681.3	5407.4	4569.2	2821.1	1148.1	302.3	261.1
22°	5714.1	5427.3	4579.0	2796.4	1099.5	298.2	256.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	5745.8	5450.8	4588.0	2770.5	1049.1	297.4	252.2
23°	5777.9	5473.5	4596.7	2746.2	994.5	299.7	247.9
23.5°	5809.4	5494.9	4604.0	2719.7	934.9	303.8	243.6
24°	5839.7	5517.3	4610.9	2693.4	873.4	309.7	251.9
24.5°	5868.4	5538.9	4616.2	2666.4	806.0	317.0	263.0
25°	5898.6	5560.2	4621.5	2639.4	740.5	325.7	273.9
25.5°	5928.2	5582.2	4625.9	2611.3	680.7	332.1	279.8
26°	5957.4	5605.1	4630.0	2583.5	627.7	333.6	280.9
26.5°	5987.1	5624.0	4633.1	2555.3	582.7	331.8	298.4
27°	6017.8	5643.8	4635.4	2524.7	549.9	328.6	490.2
27.5°	6046.0	5663.3	4636.1	2496.6	528.1	320.1	685.6
28°	6075.3	5682.7	4637.6	2467.3	513.6	309.4	881.2
28.5°	6103.1	5703.0	4638.2	2433.4	499.1	301.6	1076.7
29°	6130.7	5721.4	4637.3	2404.4	484.6	295.8	1272.2
29.5°	6157.6	5741.2	4636.4	2376.1	470.2	292.2	1421.9
30°	6184.9	5759.6	4633.9	2343.9	456.1	290.5	1584.8
30.5°	6213.4	5778.7	4631.5	2310.2	446.6	290.9	1743.3
31°	6238.4	5795.5	4628.1	2280.4	439.8	288.6	1865.5
31.5°	6263.8	5813.7	4624.8	2249.9	433.7	286.2	1957.9
32°	6288.1	5830.3	4620.3	2216.0	422.3	282.9	2004.6
32.5°	6312.8	5845.1	4615.5	2186.2	406.6	279.3	2031.6
33°	6338.0	5862.0	4610.4	2155.2	391.2	275.4	2036.2
33.5°	6361.3	5878.9	4605.5	2122.2	380.6	279.2	1967.2
34°	6384.9	5894.8	4599.2	2090.7	372.7	288.6	1818.7
34.5°	6409.7	5910.8	4592.4	2061.8	366.3	309.1	1687.1
35°	6432.9	5926.3	4585.9	2031.8	363.3	479.4	1547.0
35.5°	6455.9	5941.2	4579.3	2002.3	360.5	655.9	1377.5
36°	6478.2	5954.7	4572.2	1977.2	358.2	832.1	1185.9
36.5°	6499.1	5970.0	4564.8	1953.4	355.9	1008.2	984.2
37°	6519.8	5984.9	4557.0	1929.7	353.8	1184.1	772.4
37.5°	6540.5	5997.8	4549.3	1907.1	350.9	1324.6	608.6
38°	6560.1	6011.3	4540.5	1884.5	347.0	1420.7	498.0
38.5°	6578.7	6026.0	4531.4	1855.9	343.2	1477.9	425.9
39°	6597.0	6037.0	4521.7	1821.1	339.0	1504.2	372.0
39.5°	6614.6	6047.9	4511.4	1778.2	335.1	1515.9	327.1
40°	6631.6	6060.4	4499.8	1730.9	331.4	1531.3	291.1
40.5°	6646.5	6070.8	4489.0	1684.1	327.4	1522.4	269.2
41°	6661.8	6081.0	4477.3	1640.6	322.6	1472.5	247.8
41.5°	6677.1	6091.7	4465.0	1596.2	316.9	1381.0	226.4
42°	6689.2	6100.8	4453.5	1554.6	310.7	1292.8	205.2
42.5°	6703.2	6110.1	4442.1	1515.5	304.2	1203.8	183.9
43°	6715.5	6118.4	4430.0	1478.6	297.3	1121.7	167.6
43.5°	6726.9	6125.4	4417.3	1441.8	290.3	1043.6	149.8
44°	6739.7	6132.2	4405.5	1404.7	283.3	971.9	131.5
44.5°	6750.8	6138.4	4391.4	1369.7	275.9	903.4	115.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	6762.0	6144.6	4378.0	1336.0	268.7	834.3	99.5
45.5°	6771.0	6149.5	4364.2	1304.5	261.4	757.7	82.6
46°	6781.7	6153.3	4350.1	1274.4	253.9	678.3	65.1
46.5°	6791.4	6157.8	4334.3	1245.0	246.3	602.9	50.5
47°	6800.2	6160.1	4318.4	1214.9	239.1	537.3	39.2
47.5°	6808.9	6162.3	4302.3	1185.5	232.0	480.2	32.2
48°	6817.3	6165.1	4285.4	1155.5	225.0	428.8	29.3
48.5°	6824.7	6165.8	4268.3	1123.8	212.3	381.4	27.0
49°	6831.6	6167.1	4250.7	1088.5	196.5	337.2	24.7
49.5°	6838.8	6167.6	4233.2	1049.9	185.4	296.9	22.2
50°	6845.1	6166.5	4215.5	1009.0	176.4	256.0	19.8
50.5°	6851.0	6166.2	4196.6	961.6	165.6	214.7	17.6
51°	6856.4	6166.6	4177.2	910.8	157.7	173.3	15.8
51.5°	6861.4	6164.1	4157.9	854.7	150.9	132.0	13.6
52°	6865.3	6160.5	4138.3	795.2	141.6	90.6	11.3
52.5°	6867.7	6158.5	4118.1	737.4	125.2	57.6	10.1
53°	6870.7	6154.2	4098.4	680.6	111.3	24.1	9.2
53.5°	6871.5	6150.0	4078.0	627.1	102.6	17.7	8.4
54°	6873.0	6145.5	4056.7	583.1	97.4	16.8	7.8
54.5°	6872.1	6140.5	4035.8	548.3	93.6	16.5	7.2
55°	6872.0	6133.6	4014.4	519.1	90.4	16.1	6.8
55.5°	6871.1	6127.5	3991.5	494.5	87.6	15.7	6.6
56°	6869.3	6120.7	3968.5	475.1	84.8	15.3	6.5
56.5°	6866.0	6113.1	3944.9	459.1	82.0	14.7	6.4
57°	6864.0	6106.6	3920.2	447.1	78.2	13.9	6.2
57.5°	6859.1	6099.0	3895.7	437.7	74.8	12.6	6.1
58°	6855.1	6090.4	3871.2	431.1	71.6	11.7	6.0
58.5°	6851.1	6084.1	3846.7	426.4	68.3	11.0	6.0
59°	6846.7	6075.9	3822.0	423.2	64.6	10.4	5.9
59.5°	6841.0	6066.5	3797.4	420.7	60.1	9.8	5.9
60°	6836.0	6059.5	3772.9	417.6	55.4	9.2	5.8
60.5°	6830.1	6051.8	3746.1	413.9	52.2	8.8	5.9
61°	6823.5	6041.8	3719.5	410.7	49.5	8.3	6.0
61.5°	6817.0	6032.5	3693.3	407.3	47.0	7.9	6.1
62°	6809.9	6024.0	3664.9	403.6	44.5	7.5	6.2
62.5°	6803.7	6013.9	3635.6	400.1	41.7	7.1	6.4
63°	6796.7	6003.7	3609.7	395.1	38.5	6.8	6.5
63.5°	6789.8	5994.3	3581.3	388.9	34.8	6.5	6.7
64°	6783.0	5982.0	3553.8	382.0	30.8	6.2	6.8
64.5°	6775.8	5971.5	3527.7	373.9	26.8	6.0	7.0
65°	6767.7	5959.3	3502.7	365.2	22.6	5.7	7.2
65.5°	6761.8	5946.6	3477.4	356.4	18.7	5.5	7.4
66°	6754.4	5934.2	3452.8	348.8	15.0	5.4	7.5
66.5°	6749.3	5921.2	3428.6	340.3	11.5	5.3	7.7
67°	6742.5	5905.9	3404.0	331.9	8.7	5.3	7.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	6737.3	5890.3	3379.1	322.4	7.3	5.2	8.0
68°	6730.8	5876.1	3353.9	312.6	6.9	5.3	8.2
68.5°	6723.4	5859.6	3327.1	303.6	6.8	5.2	8.4
69°	6718.1	5843.5	3301.7	296.0	6.7	5.3	8.6
69.5°	6710.7	5828.1	3273.1	287.9	6.6	5.3	8.8
70°	6704.1	5811.6	3242.1	278.5	6.4	5.4	9.1
70.5°	6698.1	5796.3	3211.8	268.7	6.0	5.5	9.3
71°	6693.9	5780.6	3180.5	259.3	5.8	5.6	9.6
71.5°	6687.9	5765.4	3147.6	250.2	5.7	5.8	9.8
72°	6682.2	5752.4	3114.0	241.1	5.7	6.0	10.0
72.5°	6678.8	5739.2	3080.6	232.0	5.7	6.2	10.2
73°	6676.2	5726.0	3044.1	222.9	5.7	6.4	10.4
73.5°	6673.5	5713.4	3007.7	213.9	5.7	6.6	10.6
74°	6671.0	5703.0	2968.8	204.2	5.7	6.8	10.8
74.5°	6669.2	5692.5	2928.9	194.3	5.7	7.0	11.1
75°	6669.8	5683.3	2889.6	183.8	5.7	7.2	11.3
75.5°	6668.1	5676.8	2851.8	172.8	5.8	7.3	11.6
76°	6667.2	5670.7	2813.0	161.8	5.8	7.5	11.8
76.5°	6666.3	5664.9	2775.9	151.2	5.8	7.7	12.0
77°	6663.8	5659.5	2738.5	140.3	5.9	7.9	12.2
77.5°	6661.2	5654.9	2699.0	129.6	5.9	8.1	12.3
78°	6657.6	5649.4	2653.0	119.1	6.0	8.2	12.5
78.5°	6650.4	5644.6	2608.6	109.2	6.0	8.4	12.7
79°	6643.3	5638.0	2559.8	99.9	6.1	8.6	12.9
79.5°	6635.8	5628.0	2512.7	91.0	6.1	8.8	13.1
80°	6624.9	5618.2	2464.0	81.8	6.2	9.0	13.3
80.5°	6613.1	5608.6	2418.5	73.4	6.3	9.2	13.5
81°	6597.8	5595.7	2370.4	65.5	6.3	9.3	13.7
81.5°	6582.9	5582.6	2326.6	58.5	6.4	9.5	13.9
82°	6568.0	5570.1	2279.6	52.3	6.5	9.7	14.1
82.5°	6554.1	5555.1	2228.2	47.0	6.6	9.9	14.3
83°	6537.8	5537.7	2174.5	42.4	6.7	10.1	14.4
83.5°	6522.3	5518.6	2122.7	37.9	6.8	10.2	14.6
84°	6508.8	5502.3	2072.7	33.9	6.9	10.4	14.8
84.5°	6488.4	5489.4	2026.1	30.3	7.0	10.6	15.0
85°	6465.1	5479.4	1982.2	27.0	7.1	10.8	15.2
85.5°	6440.6	5467.1	1939.5	24.1	7.2	11.0	15.3
86°	6409.4	5457.0	1900.6	21.5	7.3	11.1	15.5
86.5°	6374.7	5448.3	1861.8	19.1	7.5	11.3	15.7
87°	6339.9	5441.3	1829.0	16.7	7.6	11.5	15.8
87.5°	6300.1	5434.3	1798.8	14.6	7.7	11.7	16.0
88°	6257.3	5428.4	1769.0	12.6	7.8	11.8	16.1
88.5°	6215.6	5422.2	1739.5	10.7	7.9	12.0	16.2
89°	6170.3	5413.6	1714.8	9.3	8.0	12.1	16.4
89.5°	6123.7	5405.5	1700.3	8.1	8.1	12.3	16.5

REPORT NUMBER: P1197141

CATALOG NUMBER: AWP150S-BZ-BZ-MID-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	6079.6	5403.5	1693.6	6.9	8.2	12.4	16.6
90.5°	6040.2	5413.5	1698.8	6.2	8.3	12.6	16.7
91°	6000.5	5440.3	1719.4	6.0	8.4	12.7	16.8
91.5°	5965.3	5485.1	1753.5	6.0	8.5	12.8	16.9
92°	5935.4	5537.2	1805.1	5.9	8.6	13.0	17.0
92.5°	5896.8	5566.1	1872.7	5.8	8.6	13.1	17.1
93°	5813.3	5570.2	1932.7	5.7	8.7	13.2	17.3
93.5°	5686.2	5525.0	1967.2	5.6	8.8	13.4	17.4
94°	5525.0	5445.1	1939.8	5.6	8.9	13.5	17.5
94.5°	5343.4	5326.0	1859.4	5.5	9.1	13.7	17.7
95°	5196.3	5193.5	1736.3	5.5	9.2	13.8	17.8
95.5°	5119.4	5060.7	1586.4	5.5	9.3	13.9	17.9
96°	5153.3	4896.3	1452.6	5.4	9.4	14.1	17.9
96.5°	5254.3	4649.9	1324.2	5.3	9.5	14.2	18.0
97°	5361.7	4347.2	1182.2	5.2	9.6	14.4	18.1
97.5°	5457.3	4048.9	1020.3	5.2	9.7	14.6	18.2
98°	5278.3	3744.5	859.2	5.2	9.8	14.7	18.2
98.5°	5100.3	3509.3	728.0	5.1	9.9	14.9	18.3
99°	4923.9	3367.6	637.9	5.1	10.0	15.0	18.4
99.5°	4748.0	3253.1	547.8	5.0	10.0	15.1	18.4
100°	4565.4	3232.8	457.8	5.0	10.1	15.2	18.5
100.5°	4242.2	3388.4	367.7	4.9	10.2	15.3	18.6
101°	3960.7	3670.3	280.0	4.9	10.3	15.3	18.6
101.5°	3707.8	3906.9	254.6	4.8	10.4	15.4	18.7
102°	3540.2	3869.2	261.0	4.8	10.4	15.5	18.7
102.5°	3567.6	3453.7	280.3	4.8	10.5	15.6	18.8
103°	3745.2	2685.2	272.4	4.8	10.6	15.8	18.8
103.5°	3980.8	2397.7	264.4	4.8	10.7	15.9	18.9
104°	4015.8	2120.9	254.9	4.8	10.8	16.0	18.9
104.5°	3638.3	1844.0	244.4	4.8	10.9	16.2	19.0
105°	2773.3	1566.6	200.5	4.8	10.9	16.3	19.0
105.5°	2262.2	1288.5	122.5	4.8	11.0	16.4	19.0
106°	1751.1	1011.4	95.6	4.8	11.1	16.4	19.1
106.5°	1240.1	734.5	82.6	4.8	11.2	16.5	19.1
107°	729.0	457.6	69.5	4.8	11.2	16.6	19.1
107.5°	224.9	180.8	59.2	4.8	11.3	16.7	19.2
108°	215.3	177.6	50.1	4.8	11.4	16.7	19.2
108.5°	214.4	171.5	41.7	4.8	11.5	16.8	19.2
109°	221.9	156.6	34.0	4.9	11.5	16.8	19.2
109.5°	229.0	140.5	27.7	4.9	11.6	16.9	19.3
110°	235.3	125.3	22.6	5.0	11.6	16.9	19.3
110.5°	228.2	109.7	18.5	5.1	11.7	17.0	19.3
111°	201.3	98.4	15.4	5.1	11.8	17.1	19.4
111.5°	179.1	91.5	12.7	5.2	11.8	17.1	19.4
112°	167.3	88.0	10.8	5.3	11.9	17.1	19.4

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CATALOG NUMBER: AWP150S-BZ-BZ-MID-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	155.0	87.1	9.6	5.3	11.9	17.2	19.4
113°	141.1	87.4	8.6	5.4	12.0	17.2	19.4
113.5°	134.3	90.1	7.6	5.4	12.1	17.3	19.4
114°	132.2	94.6	6.7	5.5	12.1	17.3	19.4
114.5°	132.7	98.6	6.0	5.6	12.2	17.4	19.4
115°	132.9	101.2	5.5	5.7	12.2	17.4	19.4
115.5°	131.1	101.5	5.2	5.7	12.3	17.4	19.4
116°	130.8	97.6	4.8	5.8	12.4	17.5	19.4
116.5°	130.5	84.7	4.5	5.8	12.4	17.5	19.5
117°	129.6	68.9	4.1	5.9	12.5	17.5	19.5
117.5°	126.5	47.9	3.9	6.0	12.5	17.5	19.5
118°	120.8	27.4	3.7	6.1	12.6	17.6	19.5
118.5°	111.6	17.7	3.4	6.1	12.6	17.6	19.5
119°	99.0	14.6	3.1	6.2	12.7	17.6	19.5
119.5°	82.6	12.1	2.9	6.3	12.7	17.7	19.5
120°	60.4	9.7	2.8	6.3	12.7	17.7	19.5
120.5°	37.1	7.4	2.7	6.4	12.8	17.7	19.5
121°	21.2	5.4	2.6	6.5	12.8	17.7	19.5
121.5°	14.8	3.9	2.5	6.6	12.9	17.7	19.5
122°	11.6	2.9	2.4	6.6	12.9	17.8	19.4
122.5°	8.8	2.3	2.3	6.7	13.0	17.8	19.4
123°	6.6	1.9	2.2	6.8	13.0	17.8	19.4
123.5°	4.8	1.7	2.2	6.8	13.0	17.8	19.4
124°	3.6	1.6	2.2	6.9	13.1	17.8	19.4
124.5°	2.8	1.5	2.2	7.0	13.1	17.8	19.4
125°	2.1	1.5	2.2	7.0	13.2	17.8	19.4
125.5°	1.8	1.4	2.3	7.1	13.2	17.8	19.4
126°	1.6	1.4	2.3	7.2	13.2	17.8	19.3
126.5°	1.6	1.4	2.3	7.3	13.3	17.8	19.3
127°	1.5	1.4	2.4	7.3	13.3	17.8	19.3
127.5°	1.5	1.4	2.5	7.4	13.4	17.8	19.3
128°	1.5	1.4	2.5	7.5	13.4	17.8	19.3
128.5°	1.5	1.4	2.6	7.5	13.4	17.8	19.2
129°	1.5	1.4	2.7	7.6	13.5	17.8	19.2
129.5°	1.5	1.4	2.7	7.7	13.5	17.8	19.2
130°	1.5	1.4	2.8	7.8	13.5	17.8	19.1
130.5°	1.4	1.3	2.9	7.8	13.6	17.8	19.1
131°	1.4	1.3	3.0	7.9	13.6	17.8	19.0
131.5°	1.4	1.2	3.1	8.0	13.6	17.8	19.0
132°	1.4	1.2	3.1	8.0	13.7	17.8	18.9
132.5°	1.4	1.2	3.2	8.1	13.7	17.8	18.9
133°	1.3	1.2	3.3	8.2	13.7	17.8	18.9
133.5°	1.3	1.2	3.4	8.3	13.8	17.8	18.8
134°	1.2	1.2	3.5	8.3	13.8	17.8	18.8
134.5°	1.1	1.2	3.6	8.4	13.8	17.8	18.7

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CATALOG NUMBER: AWP150S-BZ-BZ-MID-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	1.1	1.2	3.6	8.5	13.9	17.8	18.7
135.5°	1.1	1.2	3.7	8.5	13.9	17.8	18.7
136°	1.1	1.3	3.8	8.6	13.9	17.8	18.7
136.5°	1.1	1.3	3.9	8.7	13.9	17.7	18.7
137°	1.1	1.3	4.0	8.8	14.0	17.7	18.7
137.5°	1.1	1.3	4.1	8.8	14.0	17.7	18.6
138°	1.1	1.3	4.2	8.9	14.0	17.7	18.6
138.5°	1.1	1.3	4.3	8.9	14.0	17.6	18.5
139°	1.1	1.4	4.4	9.0	14.1	17.6	18.5
139.5°	1.1	1.4	4.5	9.1	14.1	17.6	18.4
140°	1.1	1.5	4.5	9.1	14.1	17.6	18.4
140.5°	1.1	1.5	4.6	9.2	14.1	17.6	18.3
141°	1.2	1.6	4.7	9.3	14.1	17.5	18.2
141.5°	1.2	1.6	4.8	9.3	14.1	17.5	18.1
142°	1.2	1.7	4.9	9.4	14.2	17.5	18.0
142.5°	1.3	1.7	5.0	9.5	14.2	17.4	17.9
143°	1.3	1.8	5.1	9.5	14.2	17.4	17.8
143.5°	1.3	1.8	5.2	9.6	14.2	17.3	17.7
144°	1.4	1.9	5.3	9.7	14.2	17.3	17.6
144.5°	1.4	2.0	5.4	9.7	14.2	17.2	17.5
145°	1.5	2.0	5.5	9.8	14.2	17.2	17.4
145.5°	1.5	2.1	5.5	9.8	14.2	17.2	17.3
146°	1.6	2.2	5.6	9.9	14.2	17.1	17.2
146.5°	1.6	2.2	5.7	10.0	14.2	17.1	17.1
147°	1.6	2.3	5.8	10.0	14.2	17.0	17.0
147.5°	1.7	2.4	5.9	10.1	14.2	17.0	16.8
148°	1.7	2.5	6.0	10.2	14.2	16.9	16.8
148.5°	1.8	2.5	6.1	10.2	14.2	16.9	16.7
149°	1.8	2.6	6.2	10.3	14.2	16.8	16.6
149.5°	1.8	2.7	6.3	10.3	14.2	16.8	16.5
150°	1.9	2.8	6.4	10.4	14.2	16.8	16.4
150.5°	1.9	2.8	6.5	10.4	14.2	16.7	16.2
151°	2.0	2.9	6.6	10.5	14.3	16.7	16.1
151.5°	2.0	3.0	6.6	10.6	14.3	16.7	16.0
152°	2.1	3.1	6.7	10.6	14.3	16.6	15.8
152.5°	2.1	3.2	6.8	10.7	14.3	16.6	15.7
153°	2.1	3.3	6.9	10.7	14.3	16.6	15.6
153.5°	2.2	3.4	7.0	10.8	14.3	16.6	15.5
154°	2.2	3.5	7.1	10.8	14.3	16.5	15.3
154.5°	2.3	3.6	7.2	10.9	14.3	16.5	15.2
155°	2.4	3.7	7.3	10.9	14.3	16.4	15.1
155.5°	2.4	3.8	7.4	11.0	14.2	16.3	14.9
156°	2.5	3.9	7.5	11.0	14.2	16.3	14.8
156.5°	2.6	4.0	7.6	11.1	14.2	16.2	14.6
157°	2.7	4.1	7.7	11.1	14.2	16.1	14.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	2.7	4.2	7.8	11.2	14.2	16.0	14.4
158°	2.8	4.3	7.9	11.2	14.2	16.0	14.3
158.5°	2.9	4.5	8.0	11.3	14.2	15.9	14.2
159°	3.0	4.6	8.1	11.3	14.2	15.8	14.0
159.5°	3.1	4.7	8.2	11.4	14.2	15.7	13.8
160°	3.2	4.8	8.3	11.4	14.2	15.7	13.7
160.5°	3.4	5.0	8.4	11.5	14.2	15.6	13.6
161°	3.5	5.1	8.5	11.5	14.1	15.5	13.4
161.5°	3.6	5.2	8.6	11.5	14.1	15.4	13.3
162°	3.7	5.3	8.7	11.6	14.1	15.3	13.1
162.5°	3.8	5.5	8.8	11.6	14.1	15.3	12.9
163°	4.0	5.6	8.8	11.6	14.1	15.2	12.7
163.5°	4.1	5.8	8.9	11.7	14.1	15.1	12.6
164°	4.2	5.9	9.0	11.7	14.1	15.0	12.4
164.5°	4.4	6.1	9.1	11.8	14.0	15.0	12.2
165°	4.5	6.2	9.2	11.8	14.0	14.9	12.0
165.5°	4.6	6.4	9.3	11.9	14.0	14.8	11.9
166°	4.7	6.5	9.4	11.9	14.0	14.7	11.8
166.5°	4.8	6.7	9.5	11.9	13.9	14.7	11.6
167°	4.9	6.8	9.5	12.0	13.9	14.6	11.5
167.5°	5.0	6.9	9.6	12.0	13.9	14.5	11.4
168°	5.1	7.0	9.7	12.1	13.9	14.5	11.2
168.5°	5.2	7.2	9.8	12.1	13.8	14.4	11.0
169°	5.4	7.3	9.9	12.1	13.8	14.3	10.9
169.5°	5.5	7.5	10.0	12.2	13.8	14.2	10.8
170°	5.6	7.6	10.1	12.2	13.8	14.2	10.6
170.5°	5.7	7.7	10.2	12.2	13.8	14.1	10.5
171°	5.8	7.8	10.3	12.3	13.7	13.9	10.3
171.5°	5.9	7.9	10.4	12.3	13.7	13.8	10.1
172°	6.0	8.1	10.4	12.3	13.6	13.7	10.0
172.5°	6.1	8.2	10.5	12.4	13.6	13.6	9.8
173°	6.2	8.3	10.6	12.4	13.5	13.5	9.6
173.5°	6.3	8.4	10.7	12.4	13.5	13.4	9.5
174°	6.4	8.5	10.8	12.4	13.5	13.3	9.3
174.5°	6.5	8.7	10.9	12.5	13.4	13.3	9.2
175°	6.6	8.8	11.0	12.5	13.4	13.2	9.0
175.5°	6.7	8.9	11.0	12.5	13.3	13.1	8.9
176°	6.8	9.0	11.1	12.5	13.3	13.0	8.8
176.5°	6.9	9.1	11.2	12.5	13.2	12.9	8.6
177°	7.1	9.2	11.3	12.6	13.2	12.8	8.5
177.5°	7.2	9.4	11.3	12.6	13.1	12.7	8.4
178°	7.3	9.5	11.4	12.6	13.1	12.6	8.2
178.5°	7.4	9.6	11.5	12.6	13.0	12.5	8.1
179°	7.5	9.7	11.6	12.6	13.0	12.4	8.0
179.5°	7.7	9.8	11.6	12.6	12.9	12.3	7.9



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)