

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: P1197238

Luminaire Tested: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197238
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-HIGH-5000K-POSITION 30
Description: AWP Architectural
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 19110 (1 lamp)
Luminaire Lumens: 20107.2 lumens
Efficiency: 105.2%
Efficacy: 134.0 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): 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

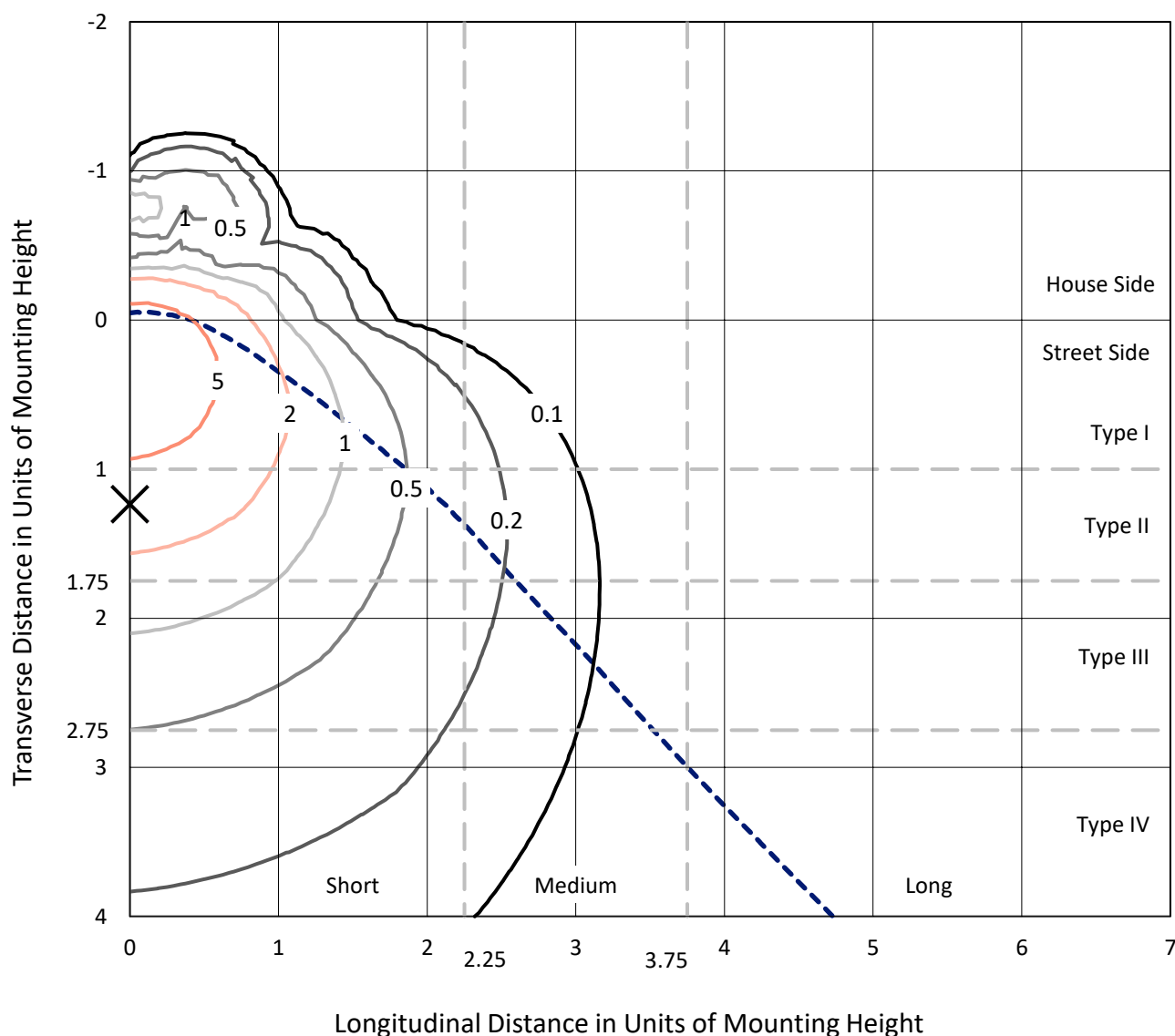
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

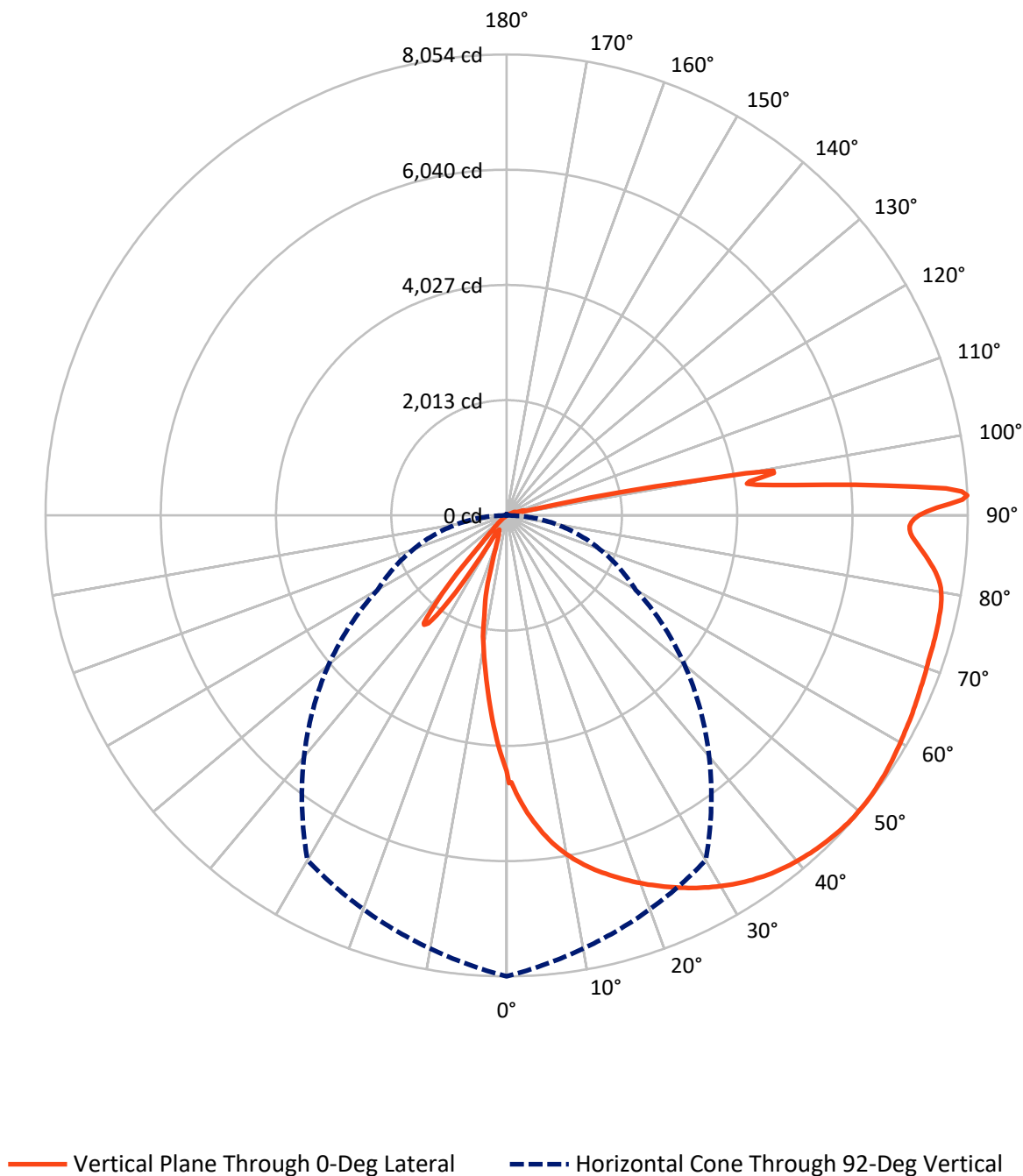


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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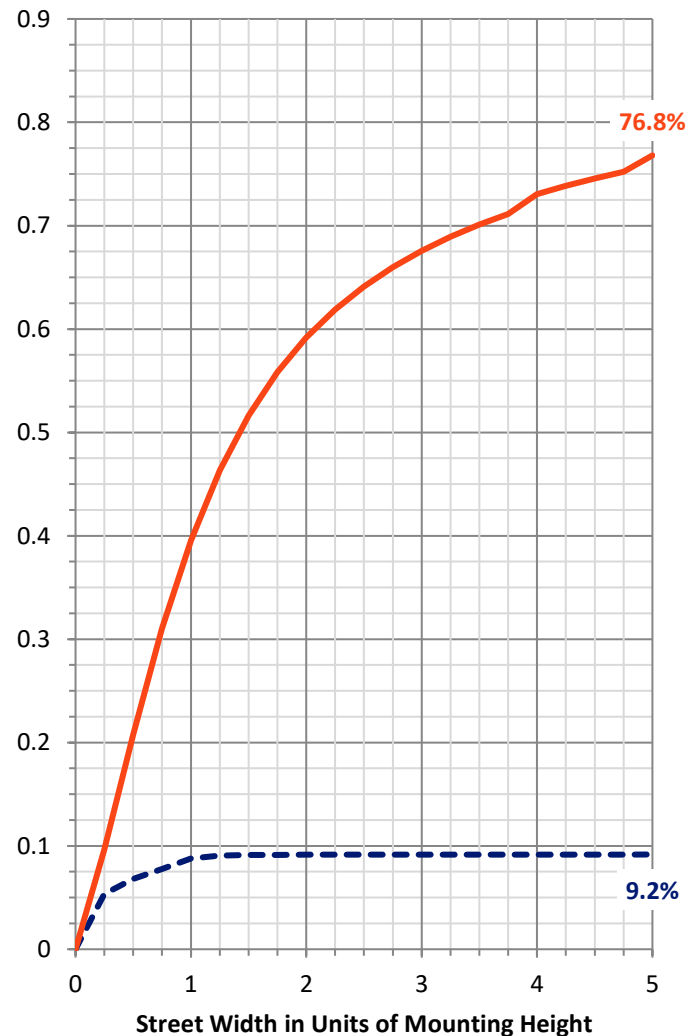
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1771.5	51.0	1822.6
	% Lamp	9.3	0.3	9.5
Street Side	Lumens	16438.0	1846.7	18284.6
	% Lamp	86.0	9.7	95.7
Total	Lumens	18209.5	1897.7	20107.2
	% Lamp	95.3	9.9	105.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	432.7	2.2	2.3
10°-20°	1171.4	5.8	6.1
20°-30°	1713.5	8.5	9.0
30°-40°	2245.6	11.2	11.8
40°-50°	2649.3	13.2	13.9
50°-60°	2611.8	13.0	13.7
60°-70°	2575.5	12.8	13.5
70°-80°	2490.4	12.4	13.0
80°-90°	2319.4	11.5	12.1
90°-100°	1704.7	8.5	8.9
100°-110°	131.3	0.7	0.7
110°-120°	25.2	0.1	0.1
120°-130°	9.3	0.0	0.0
130°-140°	8.6	0.0	0.0
140°-150°	7.5	0.0	0.0
150°-160°	5.9	0.0	0.0
160°-170°	3.9	0.0	0.0
170°-180°	1.3	0.0	0.0
0°-90°	18209.5	90.6	95.3
0°-180°	20107.2	100.0	105.2

Coefficient of Utilization



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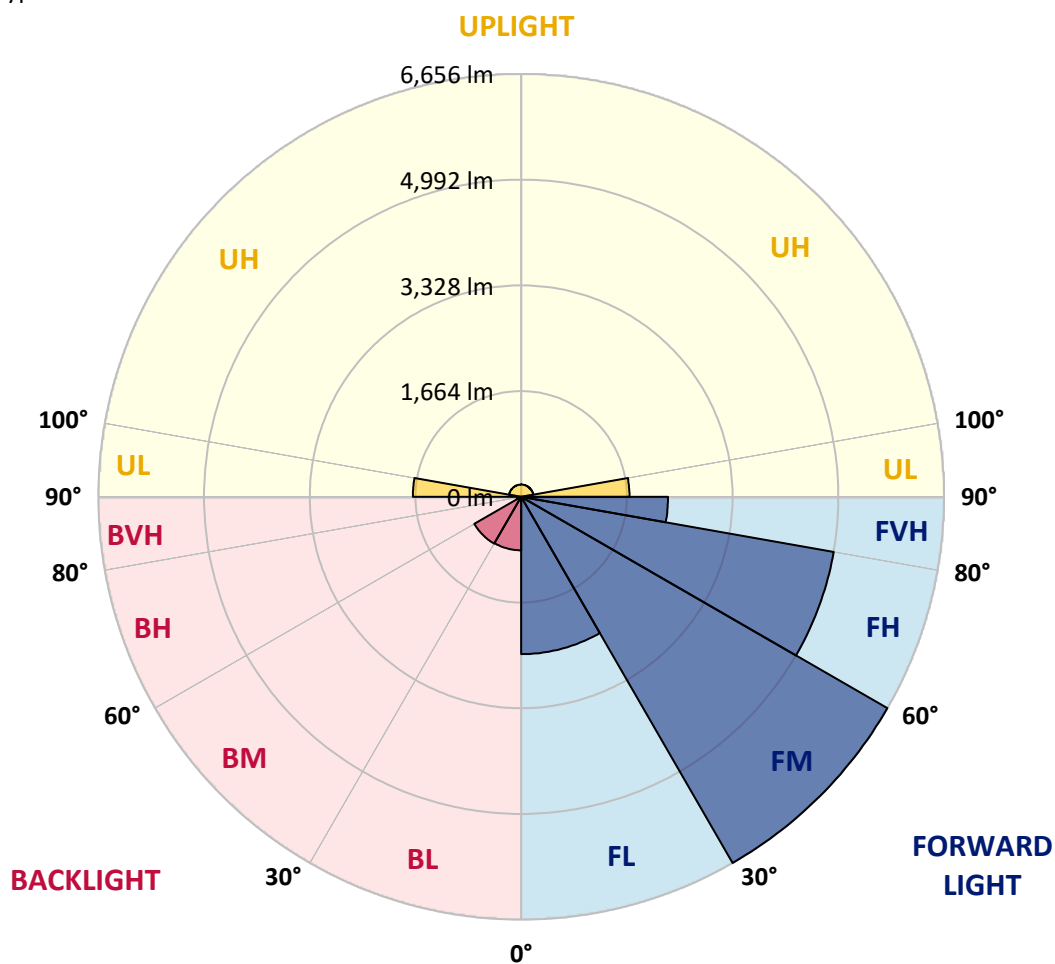
CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2475.9	13.0			
FM	(30°-60°)	6655.7	34.8			
FH	(60°-80°)	4995.4	26.1			G2/5000
FVH	(80°-90°)	2310.9	12.1			G5
BL	(0°-30°)	841.7	4.4	B2/1000		
BM	(30°-60°)	850.9	4.5	B1/1000		
BH	(60°-80°)	70.6	0.4	B0/110		G0/110
BVH	(80°-90°)	8.4	0.0			G0/10
UL	(90°-100°)	1704.7	8.9		U5	
UH	(100°-180°)	193.0	1.0		U3/500	
Trapped Light		-997.2	-5.2			

BUG Rating: B2-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	4676.1	4676.1	4676.1	4676.1	4676.1	4676.1	4676.1
0.5°	4665.1	4754.0	4751.7	4738.6	4680.8	4562.9	4463.8
1°	4765.5	4833.2	4798.0	4737.4	4629.8	4472.1	4352.3
1.5°	4861.1	4916.9	4845.2	4736.0	4578.6	4383.3	4246.9
2°	4948.5	4995.0	4890.6	4733.8	4525.6	4289.7	4143.2
2.5°	5038.2	5068.2	4935.0	4730.1	4470.9	4195.5	4028.9
3°	5125.6	5144.5	4977.3	4726.7	4415.4	4100.0	3917.7
3.5°	5208.2	5214.6	5017.0	4721.7	4359.0	3999.1	3804.6
4°	5287.7	5281.1	5057.3	4716.2	4300.9	3901.9	3686.2
4.5°	5369.9	5347.7	5096.2	4710.5	4241.5	3800.6	3566.6
5°	5434.8	5413.0	5132.2	4704.3	4184.1	3699.9	3454.1
5.5°	5510.9	5472.2	5169.3	4696.1	4123.9	3596.9	3337.4
6°	5584.2	5534.8	5204.0	4688.2	4060.2	3490.8	3220.5
6.5°	5650.0	5593.8	5238.6	4679.0	3998.7	3390.1	3111.6
7°	5715.3	5651.0	5272.2	4669.1	3933.6	3287.7	3002.9
7.5°	5780.9	5703.6	5303.0	4659.9	3869.7	3186.6	2891.9
8°	5839.6	5757.6	5333.8	4649.1	3804.4	3085.7	2795.4
8.5°	5898.5	5807.5	5363.0	4636.7	3736.9	2987.5	2699.0
9°	5953.5	5856.0	5390.3	4625.0	3671.8	2894.4	2602.8
9.5°	6009.0	5903.5	5418.4	4610.9	3603.8	2805.9	2506.5
10°	6059.4	5949.3	5444.7	4597.7	3533.0	2717.5	2410.1
10.5°	6111.1	5992.2	5469.5	4583.3	3467.1	2629.1	2318.9
11°	6159.9	6034.5	5493.6	4567.7	3396.2	2540.7	2232.2
11.5°	6206.1	6075.3	5517.5	4551.5	3325.3	2452.5	2154.5
12°	6251.1	6112.9	5538.6	4536.0	3255.5	2369.8	2042.1
12.5°	6294.8	6149.6	5559.6	4517.8	3186.5	2289.1	1906.8
13°	6337.5	6186.0	5578.9	4499.9	3113.8	2211.2	1797.7
13.5°	6379.7	6219.5	5596.9	4481.4	3044.0	2137.1	1700.3
14°	6418.7	6247.9	5614.6	4461.4	2975.7	2068.1	1615.4
14.5°	6459.9	6275.9	5631.8	4440.3	2904.3	1970.4	1536.5
15°	6496.9	6304.1	5647.5	4419.3	2834.5	1856.9	1448.6
15.5°	6538.1	6332.2	5663.7	4396.9	2767.5	1752.4	1347.0
16°	6576.2	6360.4	5678.2	4373.0	2697.0	1663.9	1226.4
16.5°	6614.3	6391.7	5690.7	4350.0	2630.4	1580.3	1089.0
17°	6653.1	6415.3	5701.5	4325.7	2564.7	1506.1	957.8
17.5°	6692.1	6443.0	5712.2	4299.6	2496.2	1427.3	839.6
18°	6727.1	6470.6	5722.7	4275.2	2430.5	1342.4	744.5
18.5°	6764.6	6497.3	5732.0	4249.8	2367.6	1242.6	661.6
19°	6801.1	6524.9	5740.0	4222.2	2302.6	1129.8	594.3
19.5°	6836.6	6552.3	5747.6	4195.7	2240.1	1005.9	537.0
20°	6871.0	6578.5	5754.2	4167.3	2181.9	891.7	487.4
20.5°	6908.6	6605.8	5761.1	4138.3	2123.5	787.8	448.5
21°	6940.2	6631.8	5766.7	4108.2	2065.6	699.7	417.1
21.5°	6975.5	6656.1	5771.2	4077.8	2011.3	625.7	393.1
22°	7010.6	6681.1	5774.7	4046.7	1958.6	566.3	376.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	7044.4	6704.9	5777.1	4015.8	1902.9	514.6	363.2
23°	7078.4	6729.2	5779.6	3984.7	1850.1	471.1	354.8
23.5°	7112.2	6752.1	5781.9	3952.2	1798.7	434.8	349.6
24°	7146.0	6776.4	5783.3	3918.9	1752.6	407.8	346.8
24.5°	7176.5	6798.4	5784.3	3887.4	1699.7	386.3	343.3
25°	7209.9	6821.6	5784.1	3853.0	1631.7	370.8	336.4
25.5°	7242.6	6844.1	5783.7	3817.6	1551.8	360.7	324.2
26°	7274.5	6866.4	5783.3	3783.1	1476.8	354.0	310.2
26.5°	7304.8	6888.4	5780.6	3746.4	1408.6	352.2	301.9
27°	7335.8	6907.9	5778.4	3708.4	1346.3	354.4	294.0
27.5°	7364.6	6926.4	5775.0	3672.3	1284.4	359.5	286.1
28°	7395.0	6946.8	5770.8	3633.5	1227.1	367.4	278.2
28.5°	7419.8	6966.8	5766.5	3593.1	1165.9	377.1	285.8
29°	7449.8	6986.8	5761.8	3554.0	1105.2	388.1	296.9
29.5°	7476.4	7004.9	5755.7	3513.9	1041.9	399.4	311.2
30°	7505.1	7025.8	5749.4	3470.5	983.6	408.9	324.9
30.5°	7532.3	7044.1	5742.9	3429.0	923.7	413.7	331.8
31°	7558.6	7061.7	5735.4	3386.5	861.9	410.2	336.1
31.5°	7583.9	7079.2	5727.2	3342.6	799.4	400.2	361.1
32°	7609.3	7096.6	5717.7	3298.0	743.4	385.5	601.5
32.5°	7632.8	7113.0	5708.8	3254.8	699.6	369.3	853.3
33°	7657.4	7130.5	5699.6	3208.2	667.7	355.8	1105.3
33.5°	7680.4	7146.7	5690.2	3162.5	637.8	346.0	1357.1
34°	7700.8	7161.1	5679.9	3118.4	607.8	337.1	1609.1
34.5°	7721.2	7174.7	5669.1	3072.1	577.9	329.3	1795.7
35°	7742.0	7189.0	5659.6	3025.6	548.1	325.4	1974.0
35.5°	7761.5	7202.7	5647.6	2979.7	518.1	316.9	2127.8
36°	7779.3	7216.1	5635.7	2935.0	501.2	308.1	2251.0
36.5°	7797.4	7227.7	5623.5	2889.2	486.6	298.8	2330.1
37°	7814.0	7239.2	5611.4	2844.3	474.9	289.0	2363.2
37.5°	7828.0	7249.0	5599.5	2800.1	463.6	289.4	2391.2
38°	7844.6	7259.6	5587.4	2755.5	454.0	291.0	2372.4
38.5°	7859.1	7270.1	5574.4	2710.8	443.9	294.4	2271.7
39°	7872.4	7276.9	5560.9	2664.9	434.8	300.5	2094.6
39.5°	7886.4	7284.4	5548.1	2616.7	426.5	315.4	1932.4
40°	7897.8	7292.0	5533.5	2567.2	420.5	523.2	1764.3
40.5°	7909.5	7297.6	5520.0	2512.4	415.0	735.5	1565.7
41°	7921.6	7303.9	5505.2	2454.0	409.9	947.5	1335.2
41.5°	7933.9	7308.7	5489.5	2393.7	404.1	1159.6	1100.2
42°	7943.5	7313.2	5473.7	2333.3	398.4	1371.5	859.6
42.5°	7955.1	7315.2	5457.1	2269.0	392.1	1536.5	681.0
43°	7964.9	7318.9	5441.5	2203.7	386.1	1624.6	564.6
43.5°	7972.6	7320.7	5424.6	2138.2	380.0	1666.7	483.4
44°	7981.2	7322.3	5406.1	2075.5	373.3	1689.0	420.4
44.5°	7989.8	7322.2	5388.3	2014.5	366.5	1703.3	370.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	7998.3	7323.8	5369.8	1955.7	358.8	1684.5	330.6
45.5°	8005.8	7322.8	5350.0	1894.1	350.7	1621.5	305.6
46°	8012.4	7323.5	5329.8	1834.8	342.9	1519.1	281.1
46.5°	8018.3	7321.5	5309.5	1777.7	335.0	1428.6	256.6
47°	8023.0	7319.3	5288.3	1720.9	327.4	1331.4	232.2
47.5°	8027.7	7316.3	5267.2	1664.7	320.1	1237.8	207.9
48°	8031.5	7313.3	5244.7	1611.4	312.2	1151.5	188.7
48.5°	8034.3	7309.1	5222.7	1556.3	304.2	1070.6	168.2
49°	8034.6	7304.2	5199.8	1506.7	296.0	993.1	147.6
49.5°	8034.9	7298.2	5177.1	1460.7	287.3	920.3	129.2
50°	8035.2	7292.3	5153.9	1415.4	278.5	838.6	109.9
50.5°	8035.5	7285.5	5127.5	1369.0	270.5	758.1	90.9
51°	8035.8	7279.5	5102.0	1327.6	262.3	682.3	70.7
51.5°	8033.8	7271.7	5074.8	1288.1	254.7	608.1	53.9
52°	8032.7	7265.4	5048.6	1250.0	247.2	541.5	41.4
52.5°	8027.9	7256.6	5020.4	1212.9	240.1	484.9	34.0
53°	8024.9	7248.5	4992.6	1176.0	230.0	431.7	31.1
53.5°	8018.1	7239.9	4963.2	1137.9	211.5	376.3	28.7
54°	8015.2	7231.6	4934.4	1095.8	196.1	317.7	26.2
54.5°	8011.0	7222.0	4904.7	1044.0	182.7	262.3	23.5
55°	8005.6	7214.7	4874.3	985.0	169.0	207.0	20.9
55.5°	7998.7	7205.3	4842.7	921.5	160.7	151.8	18.8
56°	7992.9	7195.4	4810.0	854.2	152.1	96.6	16.7
56.5°	7986.8	7184.2	4778.0	786.7	136.3	41.3	14.2
57°	7979.1	7175.2	4745.0	723.0	116.6	20.5	12.6
57.5°	7971.2	7164.3	4712.7	668.6	105.6	18.1	11.5
58°	7963.7	7152.2	4680.0	630.3	99.7	18.0	10.6
58.5°	7955.7	7141.8	4644.5	602.4	96.1	17.9	9.7
59°	7948.2	7128.6	4608.8	581.9	93.0	17.7	9.1
59.5°	7941.2	7116.3	4574.7	567.0	90.3	17.4	8.6
60°	7933.5	7101.4	4539.0	555.5	87.6	16.9	8.3
60.5°	7927.4	7088.1	4504.9	545.5	84.4	16.3	8.1
61°	7918.8	7073.7	4468.8	535.8	79.1	14.9	7.9
61.5°	7912.9	7060.3	4434.4	526.5	74.7	14.2	7.8
62°	7905.1	7043.3	4401.9	516.8	70.6	13.5	7.6
62.5°	7899.0	7025.9	4368.0	506.7	66.1	12.9	7.6
63°	7891.6	7009.5	4336.7	496.5	60.3	12.3	7.5
63.5°	7886.2	6992.8	4304.2	486.5	53.6	11.7	7.4
64°	7878.7	6973.2	4271.9	476.6	48.4	11.2	7.3
64.5°	7870.8	6955.4	4238.4	466.8	44.8	10.6	7.3
65°	7863.0	6937.2	4204.9	456.5	41.4	10.1	7.3
65.5°	7856.2	6917.5	4171.3	445.6	38.3	9.6	7.4
66°	7849.2	6897.2	4136.7	434.5	35.1	9.1	7.5
66.5°	7842.0	6881.7	4101.0	424.3	31.7	8.7	7.6
67°	7834.6	6863.6	4062.9	414.1	28.1	8.3	7.8

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CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	7828.5	6845.0	4025.7	403.8	24.3	7.9	8.0
68°	7823.6	6829.1	3987.0	393.2	20.4	7.5	8.2
68.5°	7817.8	6813.4	3947.2	381.7	16.5	7.2	8.4
69°	7811.8	6797.0	3906.2	370.1	12.8	6.9	8.6
69.5°	7806.9	6782.9	3863.2	359.3	9.6	6.6	8.8
70°	7801.9	6768.7	3819.6	349.0	8.1	6.4	9.0
70.5°	7795.2	6754.6	3775.9	338.4	7.6	6.3	9.2
71°	7792.3	6744.1	3727.5	327.1	7.4	6.3	9.4
71.5°	7789.2	6732.8	3679.4	316.2	7.3	6.3	9.6
72°	7786.3	6722.7	3630.3	305.6	7.1	6.4	9.8
72.5°	7785.3	6712.8	3583.4	293.6	6.7	6.4	10.0
73°	7783.2	6705.6	3536.8	281.6	6.3	6.4	10.2
73.5°	7780.4	6698.3	3491.2	269.6	6.2	6.5	10.5
74°	7778.2	6690.4	3444.0	257.6	6.2	6.5	10.8
74.5°	7774.5	6683.0	3395.8	244.6	6.2	6.7	11.0
75°	7771.5	6673.2	3348.0	230.8	6.2	6.9	11.3
75.5°	7770.2	6666.8	3296.0	216.9	6.2	7.1	11.6
76°	7765.5	6661.5	3235.1	202.9	6.2	7.4	11.9
76.5°	7760.8	6657.0	3172.1	189.1	6.2	7.6	12.2
77°	7757.9	6653.3	3109.6	175.6	6.2	7.8	12.5
77.5°	7752.2	6652.6	3044.9	161.9	6.2	8.0	12.7
78°	7744.1	6650.1	2982.4	148.8	6.3	8.2	12.9
78.5°	7735.4	6644.0	2923.4	136.4	6.3	8.5	13.1
79°	7723.9	6634.6	2869.5	123.6	6.4	8.7	13.4
79.5°	7708.0	6624.9	2817.1	111.2	6.4	8.9	13.6
80°	7688.8	6618.3	2764.2	98.9	6.5	9.1	13.9
80.5°	7663.0	6611.4	2710.9	87.6	6.6	9.4	14.2
81°	7633.0	6605.0	2662.6	77.9	6.7	9.6	14.4
81.5°	7595.2	6597.9	2615.5	69.4	6.8	9.8	14.7
82°	7555.2	6589.8	2570.0	62.4	6.9	10.0	14.9
82.5°	7509.4	6584.4	2526.5	55.8	6.9	10.2	15.1
83°	7457.2	6576.4	2477.7	50.2	7.0	10.5	15.3
83.5°	7403.7	6567.1	2429.8	45.1	7.2	10.7	15.6
84°	7354.0	6558.4	2382.2	40.2	7.3	10.9	15.8
84.5°	7298.7	6548.2	2334.5	35.9	7.4	11.1	16.0
85°	7244.2	6532.7	2289.6	32.1	7.5	11.3	16.3
85.5°	7195.4	6520.6	2249.5	28.6	7.7	11.6	16.5
86°	7142.4	6516.0	2213.0	25.4	7.8	11.8	16.7
86.5°	7095.7	6532.7	2182.9	22.4	7.9	12.0	17.0
87°	7059.9	6571.2	2159.4	19.6	8.1	12.3	17.2
87.5°	7043.7	6631.9	2150.3	17.0	8.2	12.5	17.4
88°	7044.8	6723.4	2155.8	14.6	8.4	12.7	17.6
88.5°	7070.4	6860.5	2178.6	12.5	8.6	12.9	17.7
89°	7116.9	7015.2	2223.1	10.8	8.7	13.1	17.9
89.5°	7203.4	7198.0	2291.4	9.3	8.9	13.4	18.1

REPORT NUMBER: P1197238

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	7336.4	7367.5	2365.8	7.8	9.0	13.6	18.3
90.5°	7513.2	7488.3	2446.6	7.4	9.2	13.8	18.5
91°	7746.0	7490.6	2525.3	7.3	9.4	14.0	18.7
91.5°	7966.5	7339.5	2587.0	7.1	9.5	14.2	18.8
92°	8053.9	6955.2	2602.5	7.0	9.7	14.4	19.0
92.5°	7964.3	6385.7	2566.6	6.9	9.8	14.6	19.2
93°	7690.3	5703.9	2465.5	6.8	10.0	14.8	19.3
93.5°	7164.9	5083.3	2293.6	6.7	10.1	15.0	19.5
94°	6640.6	4578.1	2029.6	6.6	10.2	15.1	19.6
94.5°	6117.9	4237.0	1713.0	6.5	10.3	15.3	19.8
95°	5596.2	3987.6	1390.5	6.4	10.4	15.4	19.9
95.5°	5079.5	3891.7	1103.1	6.4	10.6	15.6	20.0
96°	4686.3	4006.5	898.0	6.3	10.7	15.7	20.1
96.5°	4395.9	4305.6	796.9	6.2	10.8	15.9	20.2
97°	4232.9	4593.3	695.7	6.2	11.0	16.1	20.4
97.5°	4285.0	4676.0	594.5	6.1	11.1	16.3	20.5
98°	4496.3	4303.9	493.3	6.1	11.2	16.5	20.6
98.5°	4726.7	3485.2	392.5	6.0	11.4	16.7	20.8
99°	4721.6	2514.2	376.8	6.0	11.5	16.9	20.9
99.5°	4243.1	1946.0	378.3	6.0	11.6	17.0	21.0
100°	3239.9	1399.3	363.0	5.9	11.7	17.2	21.2
100.5°	2645.4	852.7	346.6	5.8	11.8	17.4	21.2
101°	2051.0	306.0	325.7	5.8	12.0	17.5	21.3
101.5°	1461.9	282.6	290.7	5.7	12.0	17.7	21.4
102°	872.9	265.4	278.5	5.7	12.2	17.8	21.5
102.5°	299.9	248.1	264.9	5.6	12.2	18.0	21.5
103°	284.1	230.6	228.9	5.6	12.3	18.1	21.6
103.5°	282.7	235.0	137.9	5.6	12.4	18.2	21.6
104°	294.6	229.1	103.2	5.6	12.5	18.3	21.7
104.5°	307.1	213.8	87.3	5.6	12.6	18.4	21.7
105°	313.6	192.8	73.3	5.6	12.7	18.5	21.8
105.5°	307.0	173.0	62.4	5.6	12.8	18.6	21.8
106°	274.7	150.8	52.3	5.6	12.9	18.8	21.9
106.5°	243.5	134.7	43.8	5.7	13.0	18.9	21.9
107°	221.5	123.4	35.8	5.7	13.1	19.1	22.0
107.5°	198.9	115.7	28.9	5.7	13.2	19.2	22.1
108°	180.1	111.4	23.7	5.7	13.3	19.3	22.1
108.5°	169.1	108.6	19.3	5.7	13.4	19.4	22.2
109°	164.6	107.8	15.9	5.8	13.5	19.5	22.3
109.5°	164.7	111.1	14.2	5.8	13.6	19.6	22.3
110°	166.6	116.0	12.8	5.9	13.7	19.7	22.3
110.5°	167.0	119.9	11.5	6.0	13.8	19.8	22.4
111°	165.2	122.0	10.2	6.1	13.9	19.8	22.4
111.5°	163.3	121.0	9.0	6.2	13.9	19.9	22.4
112°	160.0	117.6	8.0	6.2	14.0	20.0	22.4

REPORT NUMBER: P1197238

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	152.3	112.8	7.2	6.3	14.1	20.0	22.5
113°	145.0	100.9	6.6	6.4	14.2	20.1	22.5
113.5°	135.2	78.6	6.1	6.5	14.2	20.2	22.5
114°	121.6	52.3	5.6	6.6	14.3	20.2	22.6
114.5°	104.9	28.9	5.1	6.7	14.4	20.3	22.6
115°	86.4	18.2	4.8	6.8	14.5	20.4	22.6
115.5°	69.8	14.1	4.5	6.8	14.6	20.4	22.6
116°	52.8	10.9	4.3	6.9	14.6	20.5	22.7
116.5°	33.2	8.0	4.0	7.0	14.7	20.5	22.7
117°	20.0	5.7	3.7	7.1	14.8	20.6	22.7
117.5°	14.2	4.2	3.5	7.2	14.8	20.6	22.7
118°	10.6	3.2	3.3	7.3	14.9	20.6	22.7
118.5°	7.7	2.7	3.1	7.4	15.0	20.7	22.7
119°	5.6	2.3	3.0	7.5	15.0	20.7	22.7
119.5°	4.4	2.1	2.9	7.6	15.1	20.7	22.7
120°	3.5	2.0	2.7	7.7	15.2	20.8	22.7
120.5°	2.8	1.9	2.6	7.8	15.2	20.8	22.7
121°	2.3	1.8	2.6	7.9	15.3	20.8	22.7
121.5°	2.1	1.7	2.6	7.9	15.3	20.9	22.7
122°	2.1	1.7	2.6	8.0	15.4	20.9	22.7
122.5°	2.0	1.7	2.6	8.1	15.4	20.9	22.7
123°	1.9	1.7	2.7	8.2	15.5	21.0	22.7
123.5°	1.9	1.7	2.7	8.3	15.5	21.0	22.8
124°	1.9	1.7	2.8	8.4	15.6	21.0	22.8
124.5°	1.8	1.6	2.9	8.5	15.6	21.0	22.8
125°	1.8	1.6	2.9	8.6	15.7	21.0	22.8
125.5°	1.8	1.6	3.0	8.7	15.8	21.1	22.8
126°	1.8	1.6	3.1	8.8	15.8	21.1	22.8
126.5°	1.8	1.6	3.2	8.9	15.9	21.1	22.8
127°	1.8	1.6	3.2	8.9	15.9	21.1	22.8
127.5°	1.7	1.5	3.3	9.0	16.0	21.1	22.8
128°	1.7	1.5	3.4	9.1	16.0	21.1	22.8
128.5°	1.6	1.5	3.5	9.2	16.1	21.1	22.7
129°	1.6	1.5	3.6	9.3	16.1	21.1	22.7
129.5°	1.5	1.5	3.7	9.4	16.2	21.1	22.7
130°	1.5	1.5	3.8	9.5	16.2	21.1	22.6
130.5°	1.4	1.5	3.9	9.6	16.2	21.1	22.6
131°	1.4	1.5	4.0	9.7	16.3	21.1	22.6
131.5°	1.3	1.5	4.1	9.8	16.4	21.1	22.5
132°	1.4	1.5	4.2	9.9	16.4	21.1	22.5
132.5°	1.3	1.5	4.3	9.9	16.4	21.1	22.4
133°	1.4	1.5	4.5	10.0	16.5	21.1	22.4
133.5°	1.4	1.5	4.6	10.1	16.5	21.1	22.4
134°	1.4	1.6	4.7	10.2	16.6	21.1	22.3
134.5°	1.4	1.6	4.8	10.3	16.6	21.1	22.3

REPORT NUMBER: P1197238

CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	1.4	1.7	4.9	10.4	16.6	21.1	22.3
135.5°	1.4	1.7	5.0	10.5	16.7	21.1	22.2
136°	1.4	1.8	5.1	10.6	16.7	21.1	22.2
136.5°	1.4	1.8	5.2	10.7	16.8	21.1	22.2
137°	1.5	1.9	5.3	10.8	16.8	21.1	22.1
137.5°	1.5	2.0	5.5	10.8	16.9	21.1	22.1
138°	1.6	2.0	5.6	10.9	16.9	21.1	22.1
138.5°	1.6	2.1	5.7	11.0	16.9	21.1	22.1
139°	1.7	2.1	5.8	11.1	17.0	21.0	22.1
139.5°	1.7	2.2	5.9	11.2	17.0	21.0	22.1
140°	1.7	2.3	6.0	11.3	17.0	21.0	22.1
140.5°	1.8	2.4	6.1	11.3	17.1	21.0	22.0
141°	1.9	2.4	6.3	11.4	17.1	21.0	21.9
141.5°	1.9	2.5	6.4	11.5	17.1	21.0	21.8
142°	1.9	2.6	6.5	11.6	17.2	21.0	21.7
142.5°	2.0	2.7	6.6	11.7	17.2	21.0	21.6
143°	2.0	2.8	6.7	11.8	17.2	20.9	21.5
143.5°	2.1	2.9	6.8	11.8	17.2	20.9	21.5
144°	2.1	2.9	6.9	11.9	17.2	20.8	21.3
144.5°	2.2	3.0	7.0	12.0	17.2	20.8	21.2
145°	2.2	3.1	7.2	12.1	17.3	20.7	21.1
145.5°	2.3	3.2	7.3	12.2	17.3	20.7	21.0
146°	2.3	3.3	7.4	12.2	17.3	20.7	20.9
146.5°	2.4	3.4	7.5	12.3	17.3	20.6	20.8
147°	2.4	3.5	7.6	12.4	17.3	20.6	20.7
147.5°	2.5	3.6	7.7	12.5	17.3	20.5	20.6
148°	2.5	3.7	7.8	12.5	17.3	20.4	20.5
148.5°	2.6	3.8	8.0	12.6	17.3	20.4	20.4
149°	2.6	4.0	8.1	12.7	17.4	20.3	20.3
149.5°	2.7	4.1	8.2	12.8	17.4	20.3	20.2
150°	2.8	4.2	8.3	12.8	17.4	20.3	20.1
150.5°	2.8	4.3	8.4	12.9	17.4	20.2	20.0
151°	2.9	4.4	8.5	12.9	17.4	20.2	19.9
151.5°	3.0	4.5	8.6	13.0	17.4	20.2	19.8
152°	3.1	4.7	8.7	13.1	17.4	20.1	19.7
152.5°	3.1	4.8	8.9	13.2	17.5	20.1	19.6
153°	3.2	4.9	9.0	13.2	17.5	20.1	19.5
153.5°	3.3	5.0	9.1	13.3	17.5	20.1	19.3
154°	3.4	5.2	9.2	13.4	17.5	20.1	19.2
154.5°	3.6	5.3	9.4	13.4	17.5	20.0	19.1
155°	3.7	5.4	9.5	13.5	17.5	20.0	18.9
155.5°	3.8	5.6	9.6	13.6	17.5	19.9	18.8
156°	3.9	5.7	9.7	13.7	17.5	19.9	18.7
156.5°	4.1	5.9	9.8	13.7	17.5	19.8	18.5
157°	4.2	6.0	10.0	13.8	17.5	19.7	18.4

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CATALOG NUMBER: AWPS150S-BZ-BZ-HIGH-5000K-POSITION 30

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	4.3	6.2	10.1	13.8	17.5	19.7	18.2
158°	4.5	6.3	10.2	13.9	17.5	19.6	18.1
158.5°	4.6	6.5	10.3	14.0	17.5	19.5	18.0
159°	4.8	6.6	10.4	14.0	17.5	19.5	17.9
159.5°	4.9	6.8	10.5	14.1	17.5	19.4	17.8
160°	5.1	7.0	10.6	14.2	17.5	19.3	17.6
160.5°	5.3	7.2	10.8	14.2	17.5	19.2	17.4
161°	5.4	7.3	10.9	14.3	17.5	19.2	17.3
161.5°	5.5	7.5	11.0	14.3	17.5	19.1	17.1
162°	5.7	7.7	11.1	14.4	17.4	19.0	17.0
162.5°	5.8	7.8	11.2	14.5	17.4	18.9	16.8
163°	5.9	8.0	11.3	14.5	17.4	18.8	16.6
163.5°	6.1	8.2	11.4	14.5	17.4	18.7	16.4
164°	6.2	8.3	11.5	14.6	17.4	18.6	16.2
164.5°	6.3	8.5	11.7	14.7	17.4	18.5	16.0
165°	6.4	8.6	11.8	14.7	17.4	18.5	15.8
165.5°	6.6	8.8	11.9	14.8	17.4	18.4	15.7
166°	6.7	8.9	12.0	14.8	17.3	18.3	15.5
166.5°	6.8	9.1	12.1	14.9	17.3	18.2	15.4
167°	6.9	9.2	12.2	14.9	17.3	18.2	15.3
167.5°	7.0	9.4	12.3	15.0	17.3	18.1	15.1
168°	7.2	9.5	12.4	15.1	17.3	18.0	14.9
168.5°	7.3	9.7	12.5	15.1	17.2	17.9	14.8
169°	7.4	9.8	12.6	15.1	17.2	17.8	14.6
169.5°	7.6	10.0	12.7	15.2	17.2	17.7	14.4
170°	7.7	10.1	12.8	15.2	17.2	17.7	14.2
170.5°	7.9	10.3	12.9	15.3	17.1	17.6	14.1
171°	8.0	10.4	13.0	15.3	17.1	17.4	13.9
171.5°	8.1	10.5	13.1	15.4	17.0	17.3	13.7
172°	8.2	10.6	13.2	15.4	16.9	17.2	13.5
172.5°	8.4	10.8	13.3	15.4	16.9	17.1	13.2
173°	8.5	10.9	13.4	15.4	16.8	16.9	13.0
173.5°	8.6	11.1	13.5	15.5	16.8	16.8	12.9
174°	8.7	11.2	13.6	15.5	16.7	16.7	12.7
174.5°	8.9	11.3	13.7	15.5	16.7	16.6	12.5
175°	9.0	11.4	13.8	15.5	16.6	16.5	12.3
175.5°	9.1	11.5	13.9	15.6	16.6	16.4	12.1
176°	9.3	11.7	14.0	15.6	16.5	16.3	11.9
176.5°	9.4	11.8	14.1	15.7	16.5	16.2	11.7
177°	9.5	12.0	14.2	15.7	16.4	16.1	11.5
177.5°	9.7	12.1	14.3	15.7	16.3	16.0	11.4
178°	9.8	12.2	14.4	15.7	16.3	15.9	11.2
178.5°	10.0	12.4	14.4	15.7	16.2	15.7	11.0
179°	10.2	12.5	14.5	15.7	16.2	15.6	10.8
179.5°	10.4	12.7	14.6	15.7	16.1	15.5	10.7



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	10.5	10.5	10.5	10.5	10.5	10.5	10.5

(END OF REPORT)