

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: P1197207

Luminaire Tested: AWPS75S-BZ-MID-3000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197207
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: AWPS75S-BZ-MID-3000K-POSITION 45
Description: AWP Architectural
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 9620.2 lumens
Efficiency: 99.0%
Efficacy: 143.4 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: B1 - U5 - G5

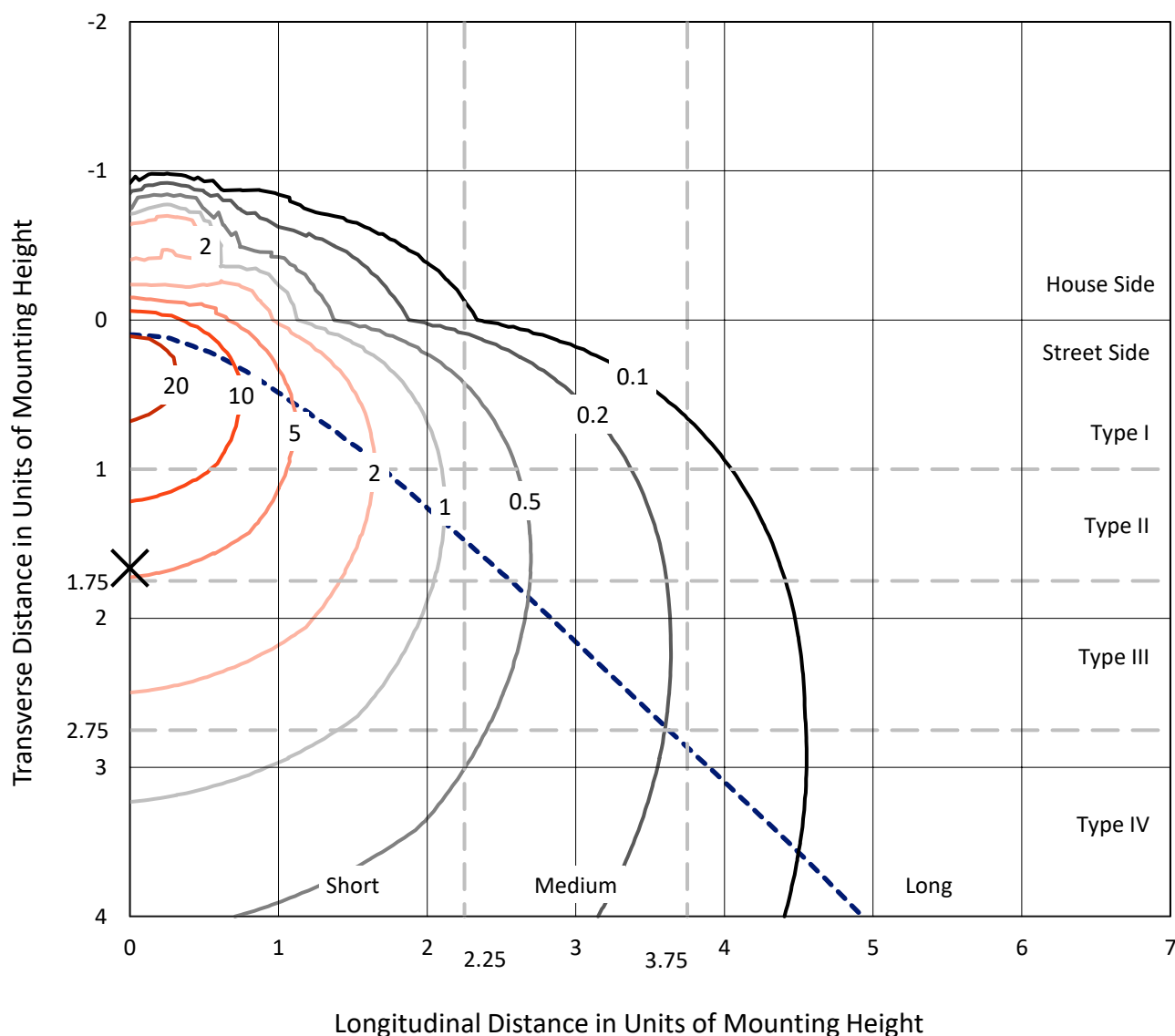
Input Watts (W): 67.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

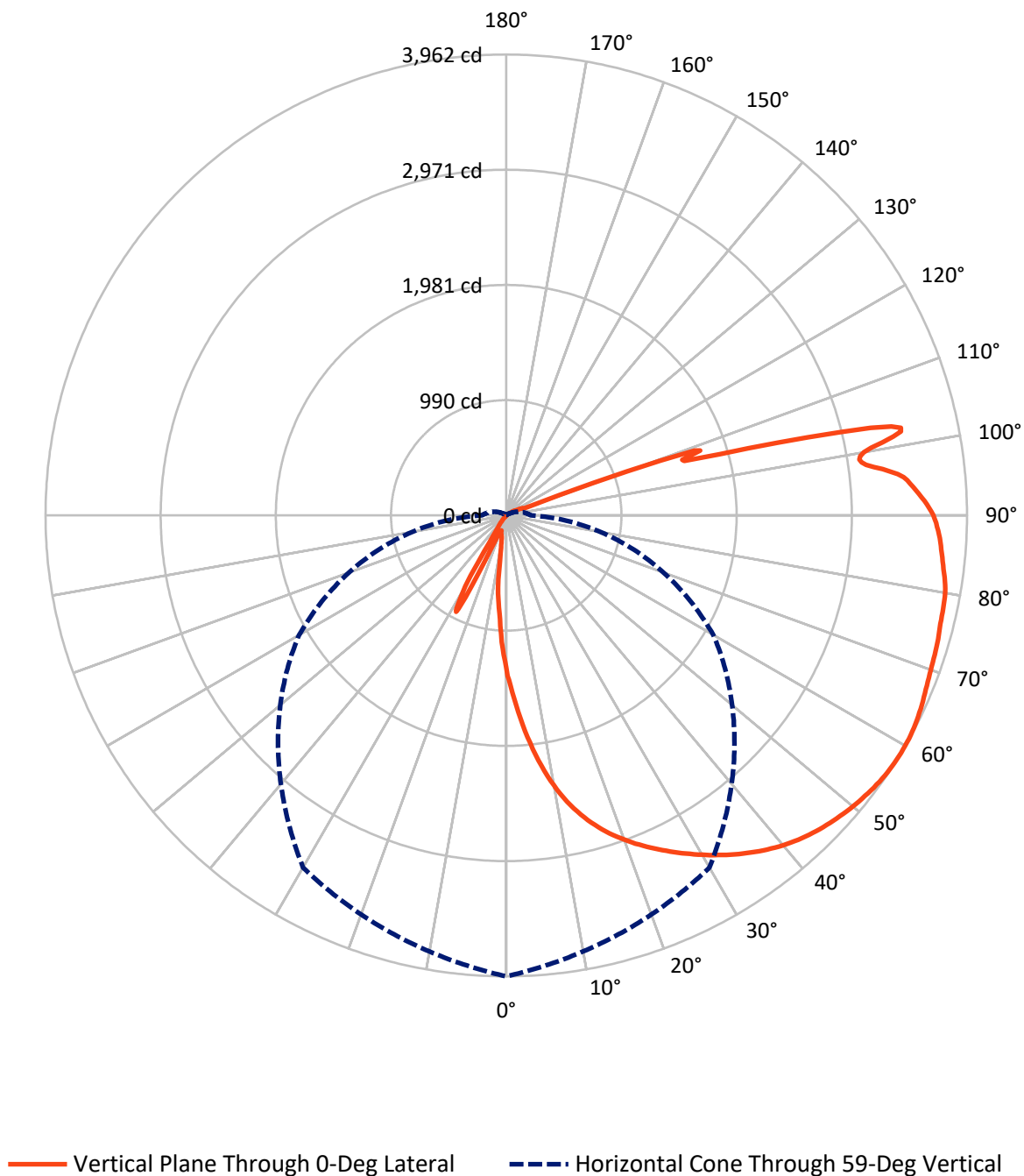


Based on 10 foot mounting height. Maximum calculated value = 24.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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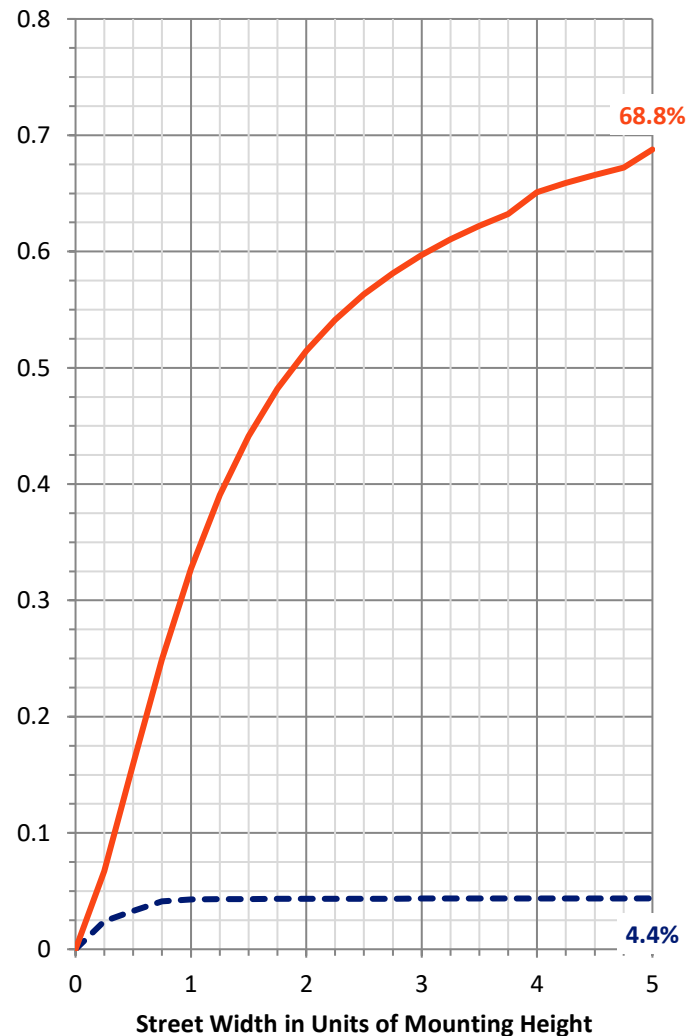
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	428.0	23.7	451.7
	% Lamp	4.4	0.2	4.6
Street Side	Lumens	7558.1	1610.4	9168.5
	% Lamp	77.8	16.6	94.3
Total	Lumens	7986.1	1634.2	9620.2
	% Lamp	82.2	16.8	99.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	130.4	1.4	1.3
10°-20°	382.1	4.0	3.9
20°-30°	659.7	6.9	6.8
30°-40°	937.6	9.7	9.6
40°-50°	1064.5	11.1	11.0
50°-60°	1179.2	12.3	12.1
60°-70°	1241.1	12.9	12.8
70°-80°	1234.3	12.8	12.7
80°-90°	1157.0	12.0	11.9
90°-100°	1074.4	11.2	11.1
100°-110°	510.0	5.3	5.2
110°-120°	31.6	0.3	0.3
120°-130°	7.1	0.1	0.1
130°-140°	3.7	0.0	0.0
140°-150°	3.1	0.0	0.0
150°-160°	2.3	0.0	0.0
160°-170°	1.5	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	7986.1	83.0	82.2
0°-180°	9620.2	100.0	99.0

Coefficient of Utilization



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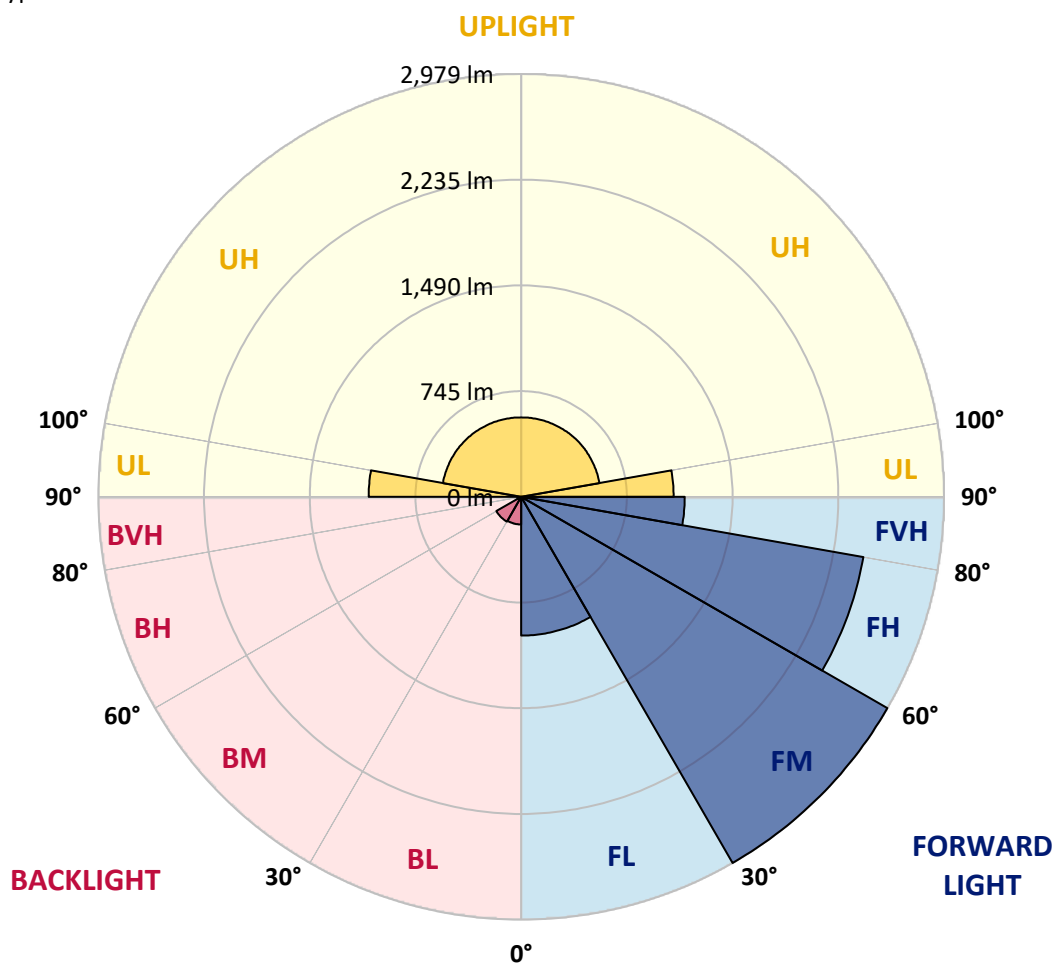
CATALOG NUMBER: AWPS75S-BZ-MID-3000K-POSITION 45

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	977.4	10.1			
FM	(30°-60°)	2979.5	30.7			
FH	(60°-80°)	2448.7	25.2			G2/5000
FVH	(80°-90°)	1152.5	11.9			G5
BL	(0°-30°)	194.9	2.0	B1/500		
BM	(30°-60°)	201.8	2.1	B0/220		
BH	(60°-80°)	26.7	0.3	B0/110		G0/110
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	1074.4	11.1		U5	
UH	(100°-180°)	559.8	5.8		U4/1000	
Trapped Light		99.8	1.0			

BUG Rating: B1-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1381.1	1381.1	1381.1	1381.1	1381.1	1381.1	1381.1
0.5°	1413.6	1443.0	1425.9	1401.6	1357.9	1300.5	1305.1
1°	1468.1	1490.3	1453.7	1401.6	1330.6	1253.5	1252.8
1.5°	1523.6	1540.2	1481.8	1400.4	1303.5	1209.7	1198.5
2°	1579.1	1587.1	1508.2	1399.7	1276.8	1163.6	1147.8
2.5°	1636.8	1636.0	1535.6	1398.2	1249.2	1120.0	1089.4
3°	1691.9	1684.8	1562.3	1396.3	1221.0	1070.0	1020.4
3.5°	1749.8	1731.8	1588.5	1394.9	1193.2	1009.6	953.2
4°	1805.3	1780.9	1615.4	1392.8	1164.8	950.1	893.5
4.5°	1861.0	1827.2	1642.0	1390.5	1138.1	898.3	840.4
5°	1915.3	1875.5	1667.6	1387.7	1112.5	852.0	796.0
5.5°	1968.1	1921.1	1693.0	1384.8	1083.3	808.2	755.1
6°	2021.4	1965.2	1718.7	1381.2	1051.4	771.1	717.5
6.5°	2072.3	2010.4	1743.3	1377.0	1015.8	737.3	675.7
7°	2123.5	2054.0	1768.8	1372.8	978.0	704.2	623.1
7.5°	2173.2	2096.3	1793.4	1368.3	942.9	668.4	552.3
8°	2220.7	2138.6	1816.8	1363.9	908.6	623.6	472.3
8.5°	2267.6	2177.9	1840.2	1358.9	875.2	563.6	392.1
9°	2311.1	2217.7	1863.7	1353.7	842.9	496.6	326.3
9.5°	2354.5	2255.5	1885.6	1348.6	813.3	426.9	279.4
10°	2397.4	2292.5	1907.2	1342.9	784.9	359.7	259.4
10.5°	2438.0	2329.5	1929.8	1336.8	758.2	304.4	240.2
11°	2476.2	2363.7	1949.9	1330.6	733.8	265.0	221.6
11.5°	2514.1	2396.7	1970.6	1323.8	712.0	246.7	203.3
12°	2549.8	2429.2	1991.1	1317.0	691.0	229.9	194.3
12.5°	2584.3	2460.0	2010.0	1310.2	669.1	213.2	187.8
13°	2617.8	2489.9	2029.3	1302.4	646.6	196.6	183.4
13.5°	2650.4	2519.2	2048.0	1295.0	621.7	187.7	180.2
14°	2681.7	2546.9	2064.9	1286.5	584.2	180.6	177.6
14.5°	2712.0	2573.7	2081.8	1277.3	546.7	175.5	175.7
15°	2740.5	2599.3	2099.3	1268.9	509.3	172.5	173.8
15.5°	2767.7	2624.3	2115.6	1259.3	471.9	170.8	171.1
16°	2794.8	2648.1	2130.6	1250.1	434.5	169.9	166.7
16.5°	2821.8	2671.4	2146.3	1240.5	391.0	169.6	160.4
17°	2846.6	2693.8	2161.1	1230.2	348.4	169.5	153.6
17.5°	2872.3	2715.3	2174.9	1220.6	312.2	169.9	147.7
18°	2896.5	2735.6	2188.0	1210.0	280.1	170.6	141.5
18.5°	2919.8	2756.0	2200.9	1199.2	253.7	171.0	137.1
19°	2943.0	2774.3	2213.0	1189.8	234.5	170.2	136.2
19.5°	2965.2	2793.0	2225.4	1178.8	219.7	167.8	136.9
20°	2987.6	2812.2	2237.6	1168.6	208.3	163.6	137.8
20.5°	3009.9	2829.0	2248.0	1158.0	199.8	158.6	139.8
21°	3031.9	2845.8	2258.4	1147.6	193.0	150.4	143.4
21.5°	3052.5	2863.2	2268.5	1136.4	187.9	144.2	153.5
22°	3072.9	2879.3	2277.8	1125.6	184.1	141.7	171.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3094.1	2894.8	2286.5	1114.8	181.6	140.2	187.2
23°	3114.5	2910.9	2295.0	1103.0	180.1	139.3	195.7
23.5°	3134.3	2927.2	2302.6	1091.6	179.1	138.7	203.8
24°	3154.2	2941.4	2309.4	1079.4	178.6	137.2	221.2
24.5°	3174.6	2956.1	2316.9	1066.4	177.7	135.8	258.8
25°	3193.9	2970.6	2323.1	1054.7	176.6	137.0	324.1
25.5°	3214.3	2984.6	2329.1	1042.4	175.7	142.1	437.7
26°	3234.0	2998.8	2334.5	1029.6	174.9	150.2	553.2
26.5°	3253.0	3013.0	2339.1	1016.9	174.3	161.1	669.0
27°	3272.6	3026.8	2343.8	1005.1	174.2	179.5	785.1
27.5°	3291.4	3041.2	2348.1	992.6	174.6	208.1	901.0
28°	3310.8	3055.1	2351.3	979.8	174.8	230.9	933.0
28.5°	3330.6	3068.1	2354.1	967.6	174.4	245.4	913.1
29°	3350.1	3081.4	2357.2	954.3	173.5	262.7	863.2
29.5°	3368.1	3095.4	2359.7	941.8	172.2	292.7	812.4
30°	3386.8	3108.6	2361.9	930.0	171.6	340.6	760.4
30.5°	3406.3	3121.8	2363.3	917.7	172.0	405.2	703.3
31°	3424.7	3134.9	2364.8	905.5	172.5	468.8	602.1
31.5°	3442.5	3147.1	2365.6	895.6	173.1	531.5	474.4
32°	3461.3	3159.8	2365.8	885.2	173.7	594.9	364.4
32.5°	3478.7	3173.3	2366.5	875.2	174.4	658.9	274.7
33°	3496.6	3186.2	2366.4	866.4	175.1	724.6	239.1
33.5°	3514.5	3199.1	2366.0	857.4	173.7	722.6	205.9
34°	3532.2	3211.4	2365.4	847.4	171.7	702.0	171.9
34.5°	3549.1	3224.3	2364.0	837.6	168.2	665.3	137.9
35°	3565.3	3235.9	2362.4	826.7	163.3	627.5	125.2
35.5°	3581.6	3248.4	2360.5	814.4	160.0	594.5	113.9
36°	3597.5	3259.3	2358.0	802.2	156.8	560.4	103.5
36.5°	3613.7	3271.0	2355.5	787.1	153.4	523.1	93.8
37°	3629.1	3282.3	2352.8	770.1	150.0	477.1	84.4
37.5°	3644.3	3293.9	2349.5	753.5	146.5	434.0	76.2
38°	3658.8	3304.7	2346.1	735.8	142.9	390.0	68.5
38.5°	3673.9	3314.8	2342.1	718.0	139.2	340.1	61.3
39°	3688.6	3324.9	2338.3	700.5	135.6	289.5	54.7
39.5°	3702.0	3335.2	2334.5	684.1	132.1	257.3	48.6
40°	3715.3	3345.0	2329.6	666.7	127.7	226.0	42.9
40.5°	3727.5	3355.0	2325.2	650.5	123.4	194.8	37.5
41°	3739.7	3364.2	2320.5	633.7	119.7	163.6	32.8
41.5°	3751.4	3373.5	2315.7	616.1	116.6	132.3	28.1
42°	3762.6	3382.2	2310.6	598.2	114.0	115.9	23.6
42.5°	3773.5	3391.1	2304.8	580.7	111.5	101.8	19.7
43°	3784.0	3399.4	2298.5	560.7	108.9	88.9	16.6
43.5°	3793.7	3407.6	2292.6	541.2	106.4	77.9	14.9
44°	3803.3	3415.3	2286.8	521.8	104.1	67.7	13.6
44.5°	3812.5	3422.5	2280.3	501.3	101.7	59.0	12.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	3822.0	3429.8	2273.8	479.4	99.1	50.3	11.3
45.5°	3830.6	3435.9	2267.1	458.3	96.0	40.1	10.2
46°	3838.8	3441.6	2260.7	435.7	93.6	32.8	9.3
46.5°	3847.0	3447.1	2254.1	414.4	91.5	26.5	8.5
47°	3854.2	3452.5	2247.3	393.5	89.4	17.8	7.6
47.5°	3862.3	3457.6	2240.2	374.2	87.4	10.9	6.3
48°	3869.5	3462.0	2233.4	355.7	85.5	9.5	5.6
48.5°	3877.0	3466.3	2226.4	339.4	83.6	9.0	5.1
49°	3884.8	3470.4	2218.9	324.4	81.5	8.7	4.6
49.5°	3891.1	3474.2	2211.4	311.5	79.4	8.4	4.2
50°	3897.8	3478.1	2203.8	300.8	77.0	8.1	3.9
50.5°	3904.1	3481.8	2196.1	290.9	74.6	7.8	3.7
51°	3909.9	3484.6	2188.4	281.9	72.0	7.4	3.6
51.5°	3915.7	3487.4	2180.0	273.8	69.3	6.8	3.5
52°	3921.6	3489.7	2171.8	267.6	66.5	6.0	3.4
52.5°	3927.0	3492.3	2164.2	261.3	63.7	5.5	3.4
53°	3931.9	3494.6	2156.5	255.1	60.8	5.1	3.4
53.5°	3936.3	3496.6	2148.6	248.8	58.0	4.6	3.3
54°	3941.7	3498.3	2141.1	244.7	55.6	4.3	3.3
54.5°	3945.6	3499.5	2133.7	240.9	53.5	4.0	3.3
55°	3949.4	3500.4	2125.8	237.5	51.6	3.8	3.3
55.5°	3952.2	3501.0	2117.5	233.9	49.6	3.6	3.3
56°	3954.7	3500.8	2109.3	230.7	47.6	3.4	3.3
56.5°	3957.2	3500.3	2101.7	227.4	45.2	3.3	3.3
57°	3959.0	3499.9	2093.4	223.9	42.5	3.2	3.4
57.5°	3960.0	3498.9	2084.7	220.4	39.4	3.0	3.4
58°	3961.2	3497.4	2075.9	217.0	35.9	3.0	3.5
58.5°	3961.5	3495.8	2066.9	213.7	32.4	2.9	3.6
59°	3961.8	3493.8	2056.8	210.6	28.7	2.8	3.7
59.5°	3961.2	3491.6	2047.3	207.3	25.2	2.8	3.8
60°	3960.3	3488.5	2037.7	204.0	21.8	2.8	3.8
60.5°	3959.2	3484.4	2027.0	200.9	18.5	2.8	3.9
61°	3956.9	3480.5	2015.6	197.8	15.2	2.8	4.0
61.5°	3954.5	3476.6	2004.9	194.7	12.2	2.7	4.1
62°	3951.9	3473.1	1993.5	191.5	9.3	2.8	4.1
62.5°	3948.4	3468.5	1981.6	188.4	6.6	2.8	4.2
63°	3944.9	3463.3	1969.5	185.3	5.2	2.8	4.3
63.5°	3940.9	3458.9	1956.9	182.4	4.7	2.9	4.4
64°	3936.1	3453.8	1943.8	179.5	4.4	2.9	4.5
64.5°	3932.1	3447.9	1931.4	176.6	4.3	3.0	4.6
65°	3927.2	3442.0	1919.0	173.7	4.2	3.0	4.7
65.5°	3921.8	3436.1	1906.0	170.9	4.2	3.1	4.9
66°	3916.4	3429.4	1893.7	168.1	4.0	3.2	5.0
66.5°	3911.7	3424.0	1881.2	165.3	3.7	3.3	5.1
67°	3906.3	3416.8	1868.4	162.2	3.6	3.4	5.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	3901.9	3409.5	1856.9	159.0	3.5	3.5	5.4
68°	3896.8	3403.0	1845.6	155.8	3.4	3.6	5.5
68.5°	3892.5	3395.6	1833.8	152.5	3.4	3.7	5.6
69°	3888.0	3389.2	1822.4	149.1	3.3	3.8	5.7
69.5°	3884.5	3382.7	1811.4	145.6	3.3	3.9	5.8
70°	3881.1	3376.9	1800.1	142.0	3.3	4.0	5.9
70.5°	3878.3	3370.4	1788.8	138.3	3.3	4.1	6.1
71°	3876.2	3364.8	1777.2	134.5	3.3	4.2	6.2
71.5°	3874.1	3358.8	1764.5	130.5	3.3	4.3	6.3
72°	3871.9	3352.8	1752.5	126.6	3.3	4.4	6.4
72.5°	3868.9	3346.9	1739.5	122.2	3.4	4.5	6.6
73°	3866.4	3340.0	1724.3	117.5	3.4	4.6	6.7
73.5°	3862.9	3333.1	1709.6	112.5	3.4	4.7	6.8
74°	3859.6	3326.4	1694.1	106.5	3.4	4.8	6.9
74.5°	3855.0	3317.9	1677.3	100.6	3.4	4.9	7.0
75°	3851.2	3309.9	1661.1	94.6	3.4	5.0	7.1
75.5°	3848.1	3302.0	1644.8	88.7	3.5	5.1	7.3
76°	3846.1	3295.3	1628.0	82.6	3.5	5.2	7.4
76.5°	3844.1	3288.5	1611.3	77.1	3.5	5.3	7.5
77°	3842.6	3282.9	1594.3	71.8	3.6	5.4	7.6
77.5°	3841.1	3278.3	1576.1	66.7	3.6	5.5	7.7
78°	3839.0	3274.2	1559.2	62.1	3.7	5.6	7.8
78.5°	3837.8	3270.2	1542.9	57.5	3.7	5.7	7.9
79°	3835.9	3266.1	1525.5	53.1	3.8	5.8	8.0
79.5°	3832.6	3260.5	1507.8	48.7	3.8	5.9	8.1
80°	3827.6	3255.4	1488.4	44.5	3.9	6.0	8.2
80.5°	3820.8	3248.3	1465.2	40.5	3.9	6.1	8.3
81°	3813.5	3240.8	1438.9	36.8	4.0	6.2	8.4
81.5°	3805.7	3231.8	1413.3	33.4	4.0	6.3	8.5
82°	3796.7	3223.1	1388.0	30.2	4.1	6.4	8.6
82.5°	3788.9	3213.7	1362.8	27.4	4.2	6.5	8.7
83°	3781.3	3206.0	1337.4	24.8	4.2	6.6	8.8
83.5°	3774.0	3199.4	1312.0	22.3	4.3	6.7	8.9
84°	3767.1	3195.4	1289.6	20.1	4.3	6.7	9.0
84.5°	3759.7	3191.1	1267.0	17.9	4.4	6.8	9.0
85°	3752.1	3188.4	1245.2	16.1	4.5	6.9	9.1
85.5°	3746.5	3184.2	1223.0	14.5	4.5	7.0	9.2
86°	3739.7	3179.9	1202.7	12.8	4.5	7.1	9.3
86.5°	3733.0	3176.6	1183.8	11.4	4.6	7.2	9.3
87°	3724.9	3173.9	1166.2	10.0	4.6	7.3	9.4
87.5°	3715.8	3170.6	1148.2	8.6	4.7	7.3	9.5
88°	3706.5	3168.2	1133.9	7.4	4.7	7.4	9.5
88.5°	3697.9	3165.7	1120.1	6.2	4.8	7.5	9.6
89°	3686.2	3162.1	1107.5	5.2	4.8	7.5	9.7
89.5°	3671.8	3157.7	1096.0	4.3	4.9	7.6	9.8

REPORT NUMBER: P1197207

CATALOG NUMBER: AWPS75S-BZ-MID-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3656.7	3153.0	1087.5	3.5	4.9	7.7	9.9
90.5°	3638.1	3149.1	1081.5	3.0	5.0	7.7	9.9
91°	3618.1	3146.4	1074.6	2.9	5.0	7.8	9.9
91.5°	3597.7	3142.8	1071.6	2.8	5.1	7.9	10.0
92°	3575.6	3138.8	1072.0	2.8	5.1	8.0	10.0
92.5°	3552.6	3133.9	1077.7	2.7	5.2	8.0	10.1
93°	3529.7	3129.5	1088.2	2.7	5.2	8.1	10.1
93.5°	3507.8	3126.6	1109.0	2.6	5.2	8.2	10.2
94°	3484.6	3124.1	1140.1	2.6	5.3	8.3	10.2
94.5°	3462.3	3117.6	1169.7	2.6	5.3	8.4	10.2
95°	3432.2	3105.0	1191.3	2.5	5.4	8.4	10.3
95.5°	3384.5	3081.7	1196.4	2.5	5.4	8.5	10.3
96°	3324.1	3057.3	1185.1	2.5	5.5	8.5	10.4
96.5°	3260.1	3043.5	1167.6	2.5	5.5	8.6	10.4
97°	3188.1	3057.9	1150.3	2.5	5.5	8.7	10.4
97.5°	3125.6	3084.1	1120.8	2.4	5.6	8.7	10.5
98°	3088.8	3131.6	1074.0	2.4	5.6	8.8	10.5
98.5°	3074.9	3175.7	1001.3	2.4	5.7	8.9	10.5
99°	3085.3	3197.5	897.6	2.4	5.7	9.0	10.6
99.5°	3122.5	3173.2	792.2	2.4	5.8	9.0	10.6
100°	3190.8	3086.6	686.8	2.4	5.8	9.1	10.6
100.5°	3293.7	2915.4	581.4	2.4	5.9	9.1	10.7
101°	3397.2	2673.2	476.0	2.4	5.9	9.2	10.7
101.5°	3469.8	2382.4	372.0	2.4	6.0	9.2	10.7
102°	3474.9	2098.6	292.2	2.4	6.0	9.3	10.7
102.5°	3397.6	1857.1	220.3	2.4	6.0	9.3	10.7
103°	3222.6	1657.6	180.4	2.4	6.1	9.4	10.8
103.5°	2966.0	1506.1	167.8	2.4	6.1	9.4	10.8
104°	2675.5	1445.2	173.6	2.4	6.2	9.4	10.8
104.5°	2415.3	1489.5	189.8	2.4	6.2	9.4	10.8
105°	2159.2	1610.0	194.1	2.4	6.2	9.5	10.9
105.5°	1910.2	1712.8	191.6	2.4	6.3	9.5	10.9
106°	1729.8	1678.9	187.7	2.4	6.3	9.5	10.9
106.5°	1600.4	1471.9	182.4	2.4	6.3	9.5	10.9
107°	1586.1	1125.1	173.0	2.4	6.4	9.6	10.9
107.5°	1670.2	760.1	154.9	2.5	6.4	9.6	10.9
108°	1759.0	442.4	121.4	2.5	6.4	9.6	10.9
108.5°	1713.3	251.7	95.6	2.5	6.4	9.7	10.9
109°	1406.9	212.3	82.2	2.5	6.5	9.7	10.9
109.5°	1100.7	180.0	68.4	2.6	6.5	9.7	11.0
110°	794.4	147.6	48.7	2.6	6.5	9.7	11.0
110.5°	488.2	115.3	33.7	2.6	6.6	9.7	11.0
111°	194.5	115.0	28.5	2.7	6.6	9.7	11.0
111.5°	157.7	114.6	23.8	2.7	6.6	9.8	11.0
112°	151.0	110.0	19.4	2.7	6.7	9.8	11.0

REPORT NUMBER: P1197207

CATALOG NUMBER: AWPS75S-BZ-MID-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	150.0	98.7	15.5	2.7	6.7	9.8	11.0
113°	152.0	89.5	12.6	2.8	6.7	9.8	11.0
113.5°	151.7	83.4	10.6	2.8	6.7	9.8	11.0
114°	149.0	75.8	9.0	2.8	6.8	9.8	11.0
114.5°	140.1	67.1	7.7	2.9	6.8	9.8	11.0
115°	127.5	60.6	6.5	2.9	6.8	9.8	11.0
115.5°	118.1	57.3	5.5	2.9	6.8	9.8	11.0
116°	112.8	55.4	4.6	2.9	6.9	9.9	11.0
116.5°	104.6	54.4	4.1	3.0	6.9	9.9	11.0
117°	94.5	54.1	3.6	3.0	6.9	9.9	11.0
117.5°	87.6	53.8	3.3	3.0	6.9	9.9	11.0
118°	84.0	52.6	3.0	3.1	6.9	9.9	11.0
118.5°	82.5	50.0	2.7	3.1	6.9	9.9	11.0
119°	80.3	45.7	2.5	3.1	7.0	9.9	11.0
119.5°	77.7	41.3	2.3	3.2	7.0	9.9	11.0
120°	74.5	36.5	2.2	3.2	7.0	9.9	11.0
120.5°	71.0	29.9	2.1	3.2	7.0	9.9	11.0
121°	66.1	21.9	1.9	3.3	7.0	9.9	11.0
121.5°	60.0	14.7	1.8	3.3	7.0	9.9	11.0
122°	52.7	9.7	1.7	3.3	7.1	9.9	11.0
122.5°	46.0	7.5	1.6	3.4	7.1	9.9	10.9
123°	39.6	6.3	1.5	3.4	7.1	9.9	10.9
123.5°	32.3	5.2	1.4	3.4	7.1	9.9	10.9
124°	25.0	4.2	1.3	3.5	7.2	9.9	10.9
124.5°	18.9	3.2	1.2	3.5	7.2	9.9	10.9
125°	15.4	2.3	1.1	3.5	7.2	9.9	10.8
125.5°	12.8	1.6	1.1	3.6	7.2	9.9	10.8
126°	9.3	1.2	1.1	3.6	7.2	9.9	10.8
126.5°	6.0	1.0	1.1	3.6	7.2	9.9	10.8
127°	4.6	0.9	1.1	3.7	7.3	9.9	10.7
127.5°	3.5	0.8	1.1	3.7	7.3	9.9	10.7
128°	2.7	0.8	1.1	3.8	7.3	9.9	10.7
128.5°	2.1	0.7	1.1	3.8	7.3	9.9	10.6
129°	1.6	0.7	1.1	3.8	7.3	9.9	10.6
129.5°	0.9	0.7	1.1	3.8	7.3	9.9	10.6
130°	0.8	0.6	1.1	3.9	7.3	9.9	10.5
130.5°	0.7	0.6	1.2	3.9	7.3	9.9	10.5
131°	0.7	0.6	1.2	4.0	7.4	9.8	10.5
131.5°	0.7	0.6	1.2	4.0	7.4	9.8	10.4
132°	0.6	0.6	1.3	4.0	7.4	9.8	10.4
132.5°	0.6	0.6	1.3	4.1	7.4	9.8	10.4
133°	0.6	0.5	1.3	4.1	7.4	9.8	10.3
133.5°	0.6	0.5	1.4	4.1	7.4	9.8	10.3
134°	0.5	0.5	1.4	4.2	7.4	9.8	10.3
134.5°	0.5	0.5	1.5	4.2	7.4	9.7	10.3

REPORT NUMBER: P1197207

CATALOG NUMBER: AWPS75S-BZ-MID-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.5	0.5	1.5	4.2	7.4	9.7	10.3
135.5°	0.5	0.5	1.6	4.2	7.4	9.7	10.2
136°	0.4	0.5	1.6	4.3	7.4	9.7	10.2
136.5°	0.4	0.5	1.7	4.3	7.4	9.7	10.2
137°	0.4	0.5	1.7	4.4	7.4	9.6	10.2
137.5°	0.4	0.5	1.7	4.4	7.4	9.6	10.1
138°	0.4	0.5	1.8	4.4	7.4	9.6	10.1
138.5°	0.4	0.5	1.8	4.5	7.4	9.6	10.1
139°	0.4	0.5	1.9	4.5	7.4	9.6	10.0
139.5°	0.4	0.5	1.9	4.5	7.4	9.5	10.0
140°	0.4	0.5	2.0	4.6	7.4	9.5	9.9
140.5°	0.4	0.5	2.0	4.6	7.4	9.5	9.8
141°	0.4	0.5	2.1	4.6	7.4	9.5	9.8
141.5°	0.4	0.5	2.1	4.6	7.4	9.5	9.7
142°	0.4	0.5	2.2	4.7	7.4	9.4	9.6
142.5°	0.4	0.5	2.2	4.7	7.4	9.4	9.6
143°	0.4	0.5	2.3	4.7	7.4	9.3	9.5
143.5°	0.4	0.5	2.3	4.8	7.4	9.3	9.5
144°	0.4	0.6	2.4	4.8	7.4	9.3	9.4
144.5°	0.4	0.6	2.4	4.9	7.4	9.2	9.3
145°	0.4	0.6	2.5	4.9	7.4	9.2	9.3
145.5°	0.4	0.6	2.5	4.9	7.3	9.2	9.2
146°	0.5	0.7	2.6	5.0	7.3	9.1	9.1
146.5°	0.5	0.7	2.6	5.0	7.3	9.1	9.0
147°	0.5	0.7	2.6	5.0	7.3	9.0	9.0
147.5°	0.5	0.7	2.7	5.0	7.3	9.0	8.9
148°	0.5	0.8	2.7	5.0	7.3	9.0	8.8
148.5°	0.6	0.8	2.8	5.1	7.3	8.9	8.8
149°	0.6	0.8	2.8	5.1	7.3	8.9	8.7
149.5°	0.6	0.9	2.9	5.1	7.3	8.9	8.6
150°	0.6	0.9	2.9	5.2	7.3	8.8	8.6
150.5°	0.7	1.0	2.9	5.2	7.3	8.8	8.5
151°	0.7	1.0	3.0	5.2	7.3	8.8	8.4
151.5°	0.7	1.0	3.0	5.2	7.3	8.7	8.3
152°	0.7	1.1	3.1	5.3	7.3	8.7	8.2
152.5°	0.8	1.1	3.1	5.3	7.3	8.7	8.1
153°	0.8	1.2	3.2	5.3	7.3	8.7	8.1
153.5°	0.8	1.2	3.2	5.3	7.3	8.6	8.0
154°	0.8	1.3	3.3	5.4	7.3	8.6	7.9
154.5°	0.9	1.3	3.3	5.4	7.3	8.6	7.8
155°	0.9	1.4	3.4	5.4	7.3	8.5	7.7
155.5°	0.9	1.4	3.4	5.5	7.3	8.5	7.6
156°	0.9	1.5	3.5	5.5	7.3	8.4	7.5
156.5°	1.0	1.5	3.5	5.5	7.3	8.4	7.4
157°	1.0	1.6	3.6	5.5	7.3	8.3	7.4

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CATALOG NUMBER: AWPS75S-BZ-MID-3000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.0	1.7	3.6	5.5	7.3	8.3	7.3
158°	1.1	1.7	3.7	5.6	7.2	8.2	7.2
158.5°	1.1	1.8	3.7	5.6	7.2	8.2	7.1
159°	1.1	1.8	3.8	5.6	7.2	8.1	7.0
159.5°	1.2	1.9	3.8	5.6	7.2	8.1	6.9
160°	1.2	2.0	3.9	5.7	7.2	8.0	6.9
160.5°	1.3	2.0	3.9	5.7	7.2	8.0	6.8
161°	1.3	2.1	4.0	5.7	7.2	7.9	6.7
161.5°	1.4	2.1	4.0	5.7	7.2	7.9	6.6
162°	1.4	2.2	4.1	5.7	7.2	7.8	6.5
162.5°	1.5	2.2	4.1	5.8	7.2	7.8	6.4
163°	1.5	2.3	4.2	5.8	7.2	7.7	6.3
163.5°	1.6	2.4	4.2	5.8	7.1	7.7	6.2
164°	1.6	2.5	4.3	5.9	7.1	7.6	6.1
164.5°	1.7	2.5	4.3	5.9	7.1	7.6	6.0
165°	1.8	2.6	4.4	5.9	7.1	7.5	5.9
165.5°	1.8	2.7	4.4	5.9	7.1	7.5	5.8
166°	1.9	2.7	4.5	5.9	7.0	7.4	5.8
166.5°	1.9	2.8	4.5	5.9	7.0	7.4	5.7
167°	2.0	2.9	4.6	5.9	7.0	7.3	5.6
167.5°	2.1	3.0	4.6	6.0	7.0	7.3	5.5
168°	2.1	3.1	4.7	6.0	7.0	7.2	5.4
168.5°	2.2	3.1	4.7	6.0	7.0	7.2	5.3
169°	2.2	3.2	4.7	6.0	7.0	7.2	5.2
169.5°	2.3	3.3	4.8	6.0	6.9	7.1	5.2
170°	2.4	3.4	4.8	6.0	6.9	7.1	5.1
170.5°	2.4	3.4	4.9	6.1	6.9	7.0	5.0
171°	2.5	3.5	4.9	6.1	6.8	7.0	4.9
171.5°	2.6	3.6	5.0	6.1	6.8	6.9	4.8
172°	2.6	3.6	5.0	6.1	6.8	6.8	4.7
172.5°	2.7	3.7	5.1	6.1	6.8	6.8	4.7
173°	2.7	3.8	5.1	6.1	6.7	6.7	4.6
173.5°	2.8	3.9	5.2	6.1	6.7	6.7	4.5
174°	2.8	3.9	5.2	6.1	6.7	6.6	4.4
174.5°	2.9	4.0	5.3	6.2	6.7	6.5	4.3
175°	2.9	4.1	5.3	6.2	6.6	6.5	4.3
175.5°	3.0	4.1	5.3	6.2	6.6	6.4	4.2
176°	3.1	4.2	5.4	6.2	6.6	6.4	4.1
176.5°	3.1	4.3	5.4	6.2	6.5	6.3	4.1
177°	3.2	4.3	5.5	6.2	6.5	6.3	4.0
177.5°	3.2	4.4	5.5	6.2	6.5	6.2	3.9
178°	3.3	4.5	5.6	6.2	6.4	6.1	3.9
178.5°	3.4	4.5	5.6	6.3	6.4	6.0	3.8
179°	3.5	4.6	5.7	6.3	6.4	6.0	3.7
179.5°	3.5	4.7	5.7	6.3	6.3	5.9	3.6



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)