

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: P1197067

Luminaire Tested: AWP75S-BZ-HIGH-5000K-POSITION 45

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197067
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: AWP75S-BZ-HIGH-5000K-POSITION 45
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

Lumens per Lamp: 9720 (1 lamp)
Luminaire Lumens: 10098 lumens
Efficiency: 103.9%
Efficacy: 133.4 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

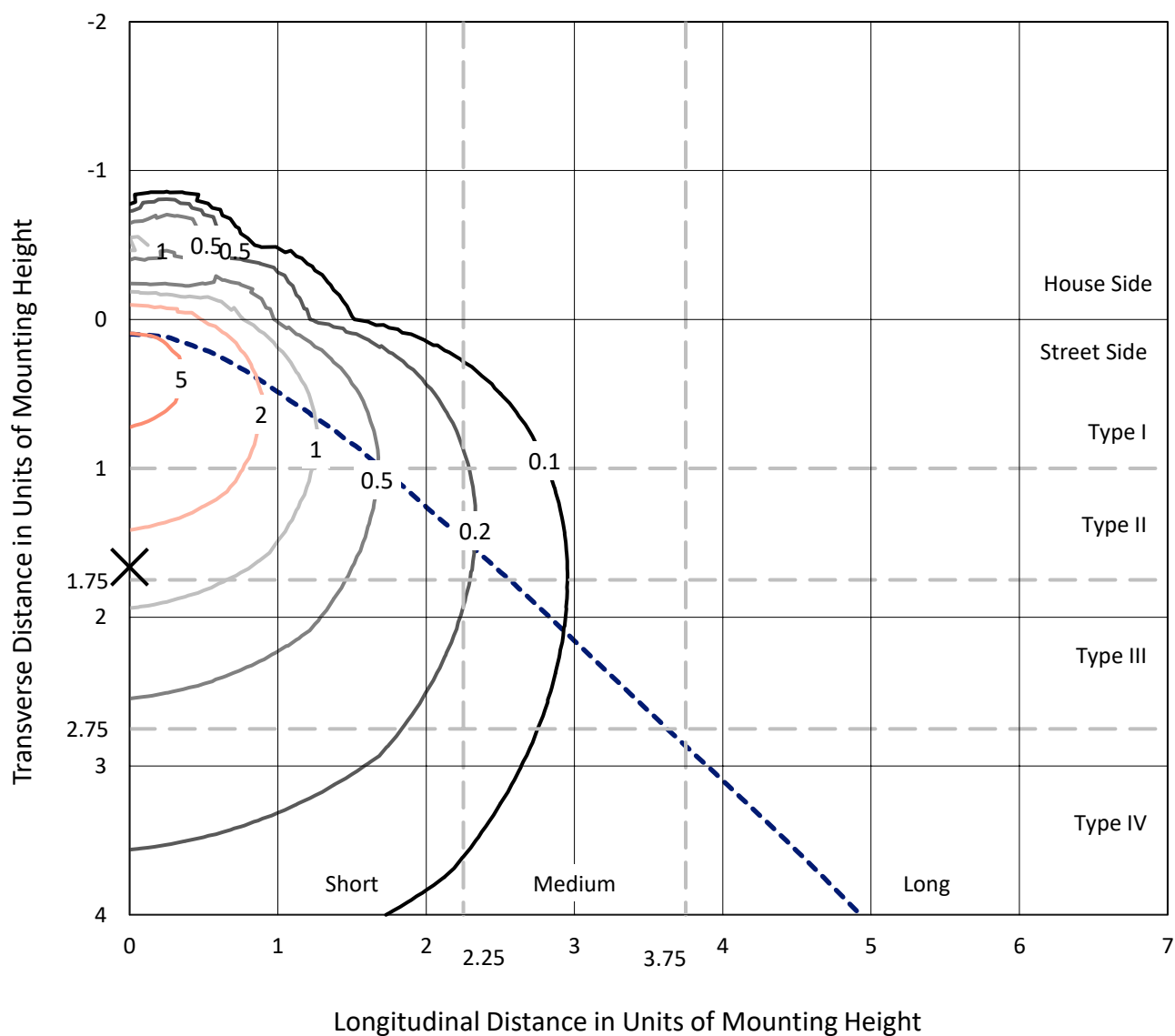
Input Watts (W): 75.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

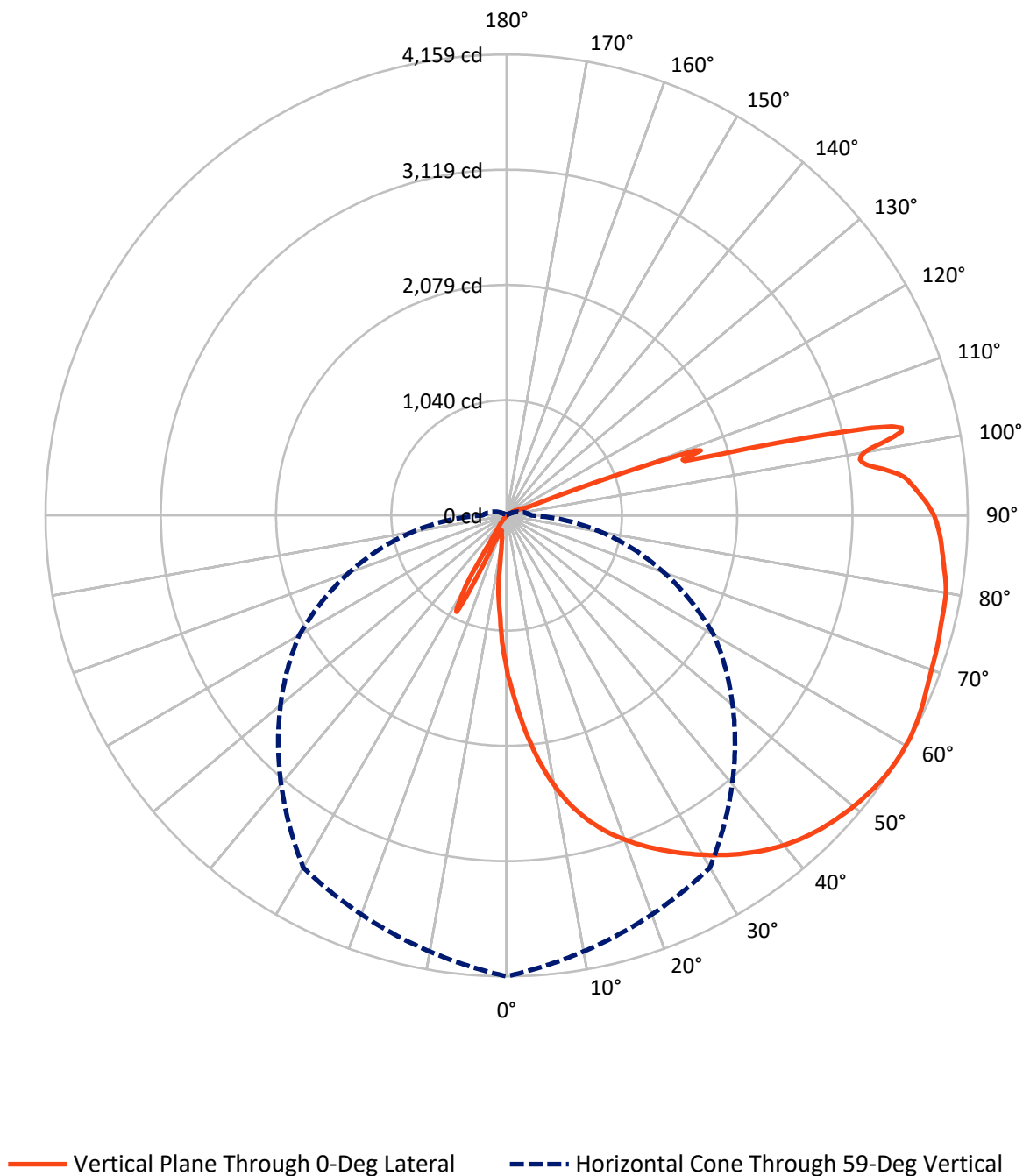


Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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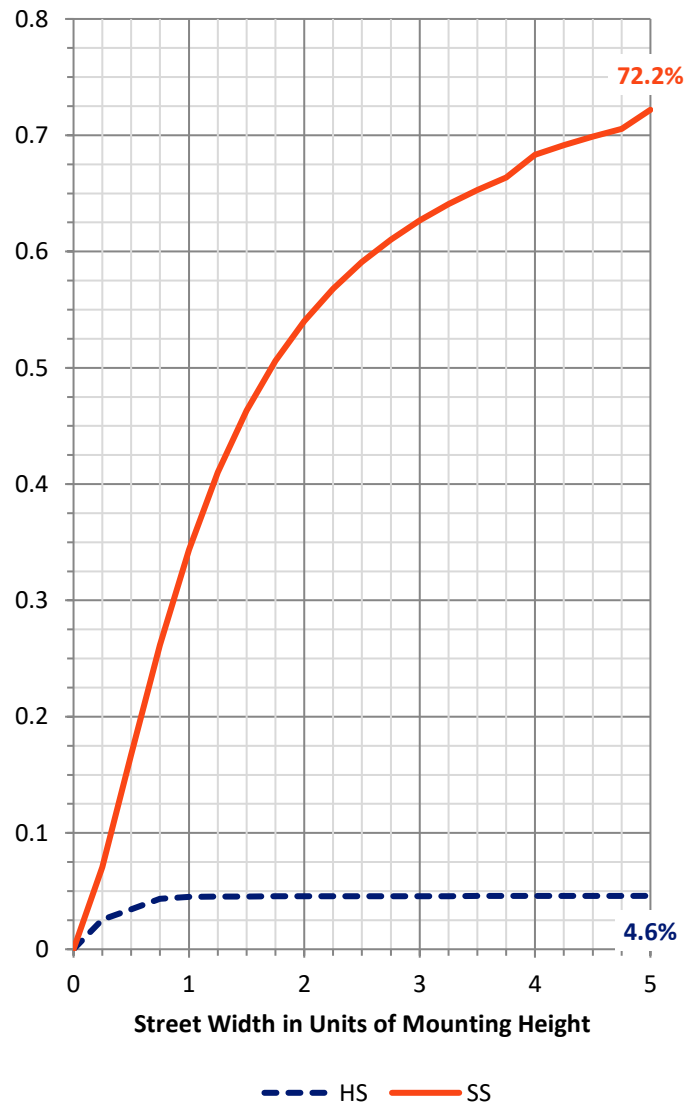
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.2	24.9	474.2
	% Lamp	4.6	0.3	4.9
Street Side	Lumens	7933.4	1690.4	9623.8
	% Lamp	81.6	17.4	99.0
Total	Lumens	8382.7	1715.3	10098.0
	% Lamp	86.2	17.6	103.9

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	136.9	1.4	1.4
10°-20°	401.1	4.0	4.1
20°-30°	692.5	6.9	7.1
30°-40°	984.2	9.7	10.1
40°-50°	1117.4	11.1	11.5
50°-60°	1237.7	12.3	12.7
60°-70°	1302.8	12.9	13.4
70°-80°	1295.6	12.8	13.3
80°-90°	1214.5	12.0	12.5
90°-100°	1127.7	11.2	11.6
100°-110°	535.3	5.3	5.5
110°-120°	33.1	0.3	0.3
120°-130°	7.4	0.1	0.1
130°-140°	3.9	0.0	0.0
140°-150°	3.2	0.0	0.0
150°-160°	2.4	0.0	0.0
160°-170°	1.5	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	8382.7	83.0	86.2
0°-180°	10098.0	100.0	103.9

Coefficient of Utilization



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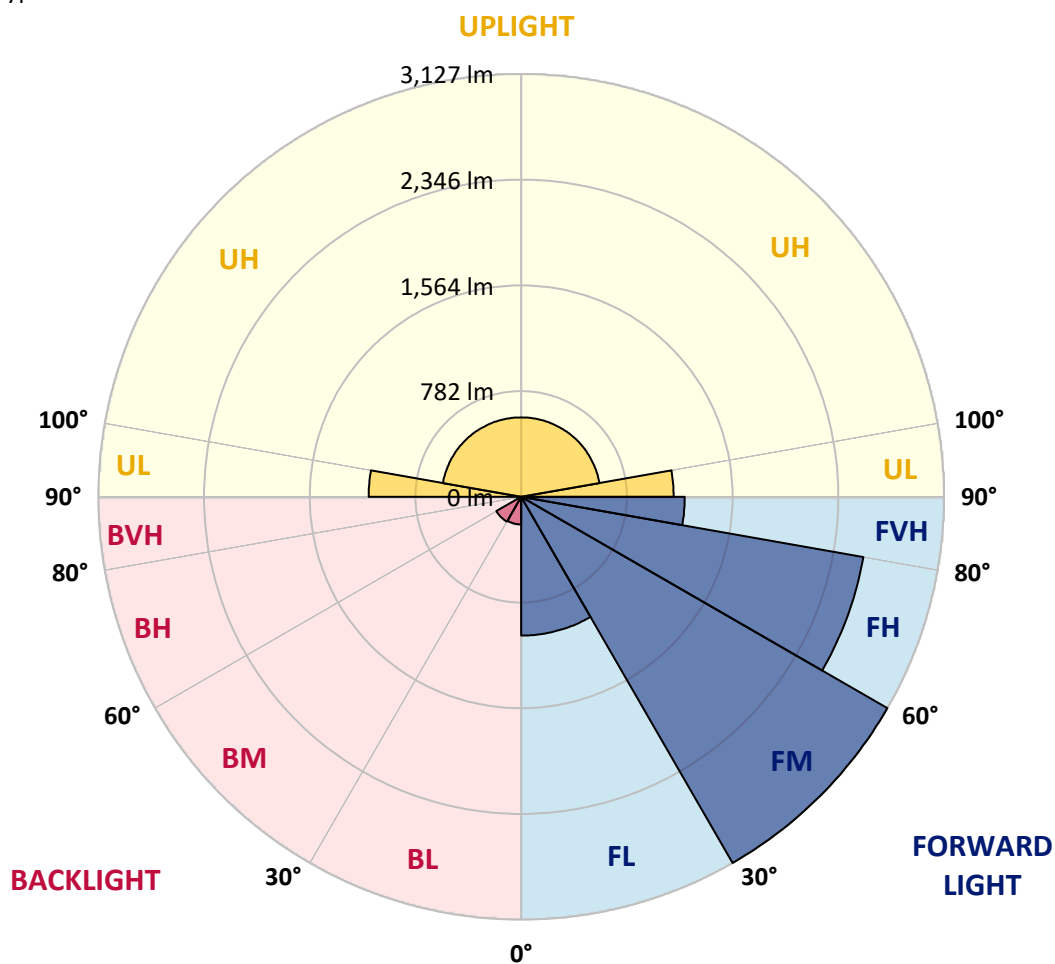
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1026.0	10.6			
FM	(30°-60°)	3127.5	32.2			
FH	(60°-80°)	2570.3	26.4			G2/5000
FVH	(80°-90°)	1209.7	12.4			G5
BL	(0°-30°)	204.6	2.1	B1/500		
BM	(30°-60°)	211.8	2.2	B0/220		
BH	(60°-80°)	28.0	0.3	B0/110		G0/110
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	1127.7	11.6		U5	
UH	(100°-180°)	587.5	6.0		U4/1000	
Trapped Light		-378.0	-3.9			

BUG Rating: B1-U5-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1449.7	1449.7	1449.7	1449.7	1449.7	1449.7	1449.7
0.5°	1483.9	1514.6	1496.7	1471.3	1425.3	1365.1	1369.9
1°	1541.0	1564.4	1525.9	1471.2	1396.7	1315.8	1315.0
1.5°	1599.3	1616.7	1555.4	1470.0	1368.2	1269.8	1258.0
2°	1657.5	1665.9	1583.1	1469.2	1340.2	1221.4	1204.8
2.5°	1718.0	1717.2	1611.8	1467.6	1311.2	1175.7	1143.5
3°	1776.0	1768.5	1639.9	1465.7	1281.6	1123.1	1071.1
3.5°	1836.7	1817.8	1667.4	1464.2	1252.5	1059.7	1000.5
4°	1894.9	1869.4	1695.6	1461.9	1222.6	997.3	937.9
4.5°	1953.4	1918.0	1723.5	1459.6	1194.6	942.9	882.2
5°	2010.5	1968.6	1750.4	1456.7	1167.7	894.4	835.5
5.5°	2065.9	2016.5	1777.1	1453.5	1137.1	848.3	792.6
6°	2121.8	2062.8	1804.1	1449.8	1103.6	809.3	753.1
6.5°	2175.2	2110.3	1829.9	1445.4	1066.2	773.9	709.2
7°	2228.9	2156.0	1856.7	1440.9	1026.5	739.2	654.1
7.5°	2281.1	2200.5	1882.5	1436.3	989.8	701.6	579.8
8°	2331.0	2244.8	1907.0	1431.6	953.7	654.5	495.8
8.5°	2380.2	2286.1	1931.6	1426.4	918.7	591.6	411.6
9°	2425.8	2327.8	1956.2	1420.9	884.7	521.3	342.5
9.5°	2471.4	2367.5	1979.2	1415.6	853.7	448.1	293.3
10°	2516.5	2406.3	2002.0	1409.6	823.8	377.5	272.3
10.5°	2559.1	2445.2	2025.7	1403.2	795.9	319.6	252.2
11°	2599.2	2481.1	2046.7	1396.7	770.3	278.1	232.6
11.5°	2639.0	2515.7	2068.5	1389.5	747.4	259.0	213.4
12°	2676.5	2549.9	2089.9	1382.4	725.3	241.4	203.9
12.5°	2712.6	2582.2	2109.9	1375.2	702.3	223.8	197.1
13°	2747.8	2613.6	2130.1	1367.1	678.7	206.3	192.5
13.5°	2782.0	2644.3	2149.7	1359.3	652.6	197.0	189.1
14°	2814.9	2673.3	2167.5	1350.4	613.2	189.6	186.5
14.5°	2846.6	2701.5	2185.2	1340.7	573.9	184.2	184.4
15°	2876.6	2728.4	2203.6	1331.9	534.6	181.0	182.4
15.5°	2905.2	2754.7	2220.6	1321.8	495.4	179.2	179.6
16°	2933.6	2779.6	2236.4	1312.2	456.1	178.3	175.0
16.5°	2961.9	2804.1	2252.9	1302.1	410.4	178.0	168.4
17°	2987.9	2827.6	2268.4	1291.3	365.7	177.9	161.2
17.5°	3014.9	2850.2	2282.9	1281.2	327.7	178.3	155.0
18°	3040.4	2871.4	2296.6	1270.1	294.0	179.1	148.5
18.5°	3064.8	2892.8	2310.1	1258.7	266.3	179.5	143.9
19°	3089.2	2912.1	2322.9	1248.8	246.2	178.6	143.0
19.5°	3112.5	2931.7	2335.9	1237.3	230.6	176.1	143.6
20°	3136.0	2951.8	2348.7	1226.6	218.6	171.8	144.7
20.5°	3159.4	2969.5	2359.6	1215.5	209.7	166.4	146.8
21°	3182.5	2987.1	2370.6	1204.6	202.6	157.8	150.5
21.5°	3204.1	3005.4	2381.2	1192.8	197.3	151.4	161.1
22°	3225.5	3022.3	2391.0	1181.5	193.2	148.7	179.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	3247.8	3038.6	2400.1	1170.2	190.6	147.2	196.5
23°	3269.2	3055.5	2409.0	1157.8	189.1	146.3	205.4
23.5°	3290.0	3072.5	2416.9	1145.8	188.0	145.6	213.9
24°	3310.8	3087.5	2424.1	1133.0	187.5	144.0	232.2
24.5°	3332.3	3102.9	2432.0	1119.3	186.5	142.5	271.7
25°	3352.5	3118.1	2438.5	1107.1	185.4	143.8	340.2
25.5°	3373.9	3132.8	2444.8	1094.1	184.4	149.2	459.4
26°	3394.6	3147.7	2450.4	1080.8	183.6	157.7	580.7
26.5°	3414.5	3162.6	2455.3	1067.4	183.0	169.1	702.3
27°	3435.1	3177.1	2460.2	1055.0	182.9	188.4	824.1
27.5°	3454.9	3192.2	2464.7	1041.8	183.2	218.5	945.7
28°	3475.2	3206.9	2468.1	1028.5	183.4	242.3	979.4
28.5°	3496.0	3220.5	2471.0	1015.6	183.0	257.6	958.5
29°	3516.5	3234.4	2474.3	1001.7	182.1	275.8	906.1
29.5°	3535.4	3249.1	2476.8	988.6	180.8	307.2	852.7
30°	3555.0	3262.9	2479.2	976.2	180.1	357.5	798.1
30.5°	3575.5	3276.8	2480.7	963.3	180.6	425.3	738.2
31°	3594.8	3290.6	2482.2	950.5	181.1	492.0	632.0
31.5°	3613.4	3303.4	2483.1	940.1	181.7	557.9	498.0
32°	3633.2	3316.8	2483.3	929.2	182.3	624.4	382.4
32.5°	3651.4	3330.9	2484.1	918.6	183.1	691.6	288.4
33°	3670.2	3344.4	2483.9	909.4	183.8	760.6	251.0
33.5°	3689.1	3358.0	2483.5	900.0	182.4	758.5	216.1
34°	3707.7	3370.9	2482.9	889.5	180.2	736.9	180.5
34.5°	3725.4	3384.4	2481.4	879.2	176.5	698.4	144.7
35°	3742.4	3396.5	2479.7	867.7	171.4	658.6	131.4
35.5°	3759.5	3409.7	2477.8	854.9	167.9	624.1	119.6
36°	3776.1	3421.2	2475.1	842.1	164.6	588.2	108.7
36.5°	3793.1	3433.5	2472.4	826.2	161.0	549.1	98.4
37°	3809.3	3445.3	2469.7	808.3	157.4	500.8	88.6
37.5°	3825.3	3457.5	2466.2	790.9	153.8	455.5	80.0
38°	3840.5	3468.8	2462.6	772.4	150.0	409.4	71.9
38.5°	3856.3	3479.4	2458.4	753.6	146.2	357.0	64.3
39°	3871.7	3490.0	2454.5	735.3	142.3	303.8	57.4
39.5°	3885.9	3500.9	2450.4	718.1	138.6	270.1	51.1
40°	3899.8	3511.1	2445.3	699.8	134.1	237.3	45.0
40.5°	3912.6	3521.6	2440.7	682.8	129.6	204.5	39.4
41°	3925.4	3531.3	2435.8	665.2	125.6	171.7	34.4
41.5°	3937.7	3541.0	2430.7	646.7	122.3	138.9	29.5
42°	3949.5	3550.2	2425.3	628.0	119.7	121.6	24.8
42.5°	3960.9	3559.6	2419.3	609.6	117.0	106.9	20.7
43°	3971.9	3568.3	2412.6	588.6	114.3	93.3	17.4
43.5°	3982.1	3576.8	2406.5	568.1	111.7	81.8	15.6
44°	3992.2	3584.9	2400.3	547.8	109.3	71.1	14.2
44.5°	4001.8	3592.5	2393.6	526.2	106.7	61.9	13.0

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	4011.8	3600.1	2386.7	503.2	104.0	52.8	11.8
45.5°	4020.8	3606.5	2379.7	481.1	100.8	42.1	10.7
46°	4029.5	3612.5	2373.0	457.3	98.3	34.5	9.7
46.5°	4038.1	3618.3	2366.0	435.0	96.1	27.8	9.0
47°	4045.6	3624.0	2358.9	413.0	93.8	18.7	8.0
47.5°	4054.1	3629.3	2351.5	392.7	91.8	11.4	6.6
48°	4061.7	3633.9	2344.3	373.3	89.7	9.9	5.9
48.5°	4069.6	3638.4	2336.9	356.2	87.7	9.4	5.3
49°	4077.7	3642.8	2329.1	340.5	85.6	9.1	4.8
49.5°	4084.3	3646.8	2321.2	327.0	83.4	8.8	4.4
50°	4091.3	3650.8	2313.2	315.8	80.9	8.5	4.1
50.5°	4098.0	3654.7	2305.2	305.3	78.3	8.2	3.9
51°	4104.0	3657.7	2297.1	295.9	75.5	7.8	3.8
51.5°	4110.1	3660.6	2288.3	287.4	72.7	7.2	3.7
52°	4116.4	3663.0	2279.7	280.9	69.8	6.3	3.6
52.5°	4122.0	3665.7	2271.7	274.3	66.8	5.8	3.6
53°	4127.2	3668.2	2263.6	267.8	63.8	5.3	3.5
53.5°	4131.8	3670.2	2255.3	261.2	60.9	4.9	3.5
54°	4137.5	3672.0	2247.5	256.9	58.4	4.5	3.5
54.5°	4141.5	3673.3	2239.7	252.9	56.2	4.2	3.5
55°	4145.5	3674.2	2231.4	249.3	54.2	3.9	3.5
55.5°	4148.5	3674.8	2222.7	245.5	52.1	3.8	3.5
56°	4151.1	3674.7	2214.0	242.2	49.9	3.6	3.5
56.5°	4153.7	3674.1	2206.1	238.7	47.5	3.4	3.5
57°	4155.7	3673.7	2197.4	235.0	44.6	3.3	3.5
57.5°	4156.7	3672.6	2188.2	231.4	41.4	3.2	3.6
58°	4157.9	3671.1	2179.0	227.8	37.7	3.1	3.7
58.5°	4158.3	3669.4	2169.5	224.3	34.0	3.0	3.8
59°	4158.6	3667.3	2159.0	221.0	30.1	3.0	3.9
59.5°	4157.9	3665.0	2148.9	217.6	26.4	2.9	3.9
60°	4157.0	3661.7	2138.9	214.2	22.9	2.9	4.0
60.5°	4155.8	3657.4	2127.7	210.8	19.4	2.9	4.1
61°	4153.4	3653.3	2115.7	207.7	16.0	2.9	4.2
61.5°	4150.9	3649.3	2104.5	204.4	12.8	2.9	4.3
62°	4148.1	3645.5	2092.5	201.0	9.7	2.9	4.4
62.5°	4144.5	3640.7	2080.0	197.7	6.9	2.9	4.4
63°	4140.8	3635.3	2067.3	194.5	5.5	2.9	4.5
63.5°	4136.6	3630.6	2054.1	191.4	4.9	3.0	4.6
64°	4131.6	3625.4	2040.4	188.4	4.6	3.1	4.7
64.5°	4127.4	3619.2	2027.3	185.4	4.5	3.1	4.8
65°	4122.2	3613.0	2014.3	182.4	4.5	3.2	5.0
65.5°	4116.6	3606.8	2000.6	179.4	4.4	3.3	5.1
66°	4110.9	3599.7	1987.8	176.5	4.2	3.4	5.2
66.5°	4105.9	3594.1	1974.6	173.5	3.9	3.4	5.4
67°	4100.3	3586.5	1961.2	170.2	3.8	3.5	5.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	4095.6	3578.8	1949.1	166.9	3.7	3.6	5.6
68°	4090.3	3572.0	1937.2	163.5	3.6	3.8	5.7
68.5°	4085.8	3564.2	1924.8	160.0	3.5	3.9	5.8
69°	4081.1	3557.5	1912.9	156.5	3.5	4.0	6.0
69.5°	4077.4	3550.7	1901.3	152.8	3.5	4.1	6.1
70°	4073.9	3544.6	1889.5	149.0	3.5	4.2	6.2
70.5°	4070.9	3537.7	1877.6	145.2	3.5	4.3	6.4
71°	4068.6	3531.9	1865.5	141.2	3.5	4.4	6.5
71.5°	4066.5	3525.6	1852.1	137.0	3.5	4.5	6.6
72°	4064.2	3519.4	1839.5	132.9	3.5	4.6	6.8
72.5°	4061.1	3513.1	1825.9	128.3	3.5	4.7	6.9
73°	4058.4	3505.9	1809.9	123.4	3.5	4.8	7.0
73.5°	4054.7	3498.6	1794.5	118.1	3.5	4.9	7.1
74°	4051.2	3491.6	1778.3	111.8	3.6	5.0	7.3
74.5°	4046.4	3482.6	1760.6	105.6	3.6	5.2	7.4
75°	4042.4	3474.3	1743.6	99.3	3.6	5.3	7.5
75.5°	4039.2	3466.0	1726.4	93.1	3.6	5.4	7.6
76°	4037.1	3458.9	1708.8	86.7	3.7	5.5	7.7
76.5°	4035.0	3451.8	1691.4	80.9	3.7	5.6	7.9
77°	4033.4	3445.9	1673.5	75.4	3.7	5.7	8.0
77.5°	4031.8	3441.1	1654.4	70.0	3.8	5.8	8.1
78°	4029.7	3436.8	1636.6	65.2	3.8	5.9	8.2
78.5°	4028.4	3432.6	1619.6	60.4	3.9	6.0	8.3
79°	4026.4	3428.3	1601.3	55.7	3.9	6.1	8.4
79.5°	4022.9	3422.5	1582.7	51.2	4.0	6.2	8.5
80°	4017.7	3417.1	1562.3	46.7	4.1	6.3	8.6
80.5°	4010.6	3409.6	1538.0	42.5	4.1	6.4	8.7
81°	4002.9	3401.8	1510.3	38.7	4.2	6.5	8.8
81.5°	3994.7	3392.2	1483.5	35.0	4.3	6.6	8.9
82°	3985.3	3383.2	1457.0	31.7	4.3	6.7	9.0
82.5°	3977.1	3373.3	1430.5	28.8	4.4	6.8	9.1
83°	3969.1	3365.2	1403.8	26.0	4.4	6.9	9.2
83.5°	3961.4	3358.3	1377.2	23.4	4.5	7.0	9.3
84°	3954.2	3354.1	1353.6	21.1	4.6	7.1	9.4
84.5°	3946.4	3349.6	1329.9	18.8	4.6	7.2	9.5
85°	3938.5	3346.7	1307.1	16.9	4.7	7.3	9.6
85.5°	3932.5	3342.3	1283.7	15.2	4.7	7.4	9.6
86°	3925.4	3337.9	1262.4	13.4	4.8	7.5	9.7
86.5°	3918.4	3334.4	1242.6	11.9	4.8	7.5	9.8
87°	3909.8	3331.6	1224.1	10.5	4.9	7.6	9.9
87.5°	3900.4	3328.1	1205.2	9.1	4.9	7.7	9.9
88°	3890.6	3325.5	1190.2	7.7	5.0	7.8	10.0
88.5°	3881.6	3322.9	1175.8	6.5	5.0	7.8	10.1
89°	3869.3	3319.1	1162.5	5.5	5.1	7.9	10.2
89.5°	3854.2	3314.5	1150.5	4.6	5.1	8.0	10.3

REPORT NUMBER: P1197067

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	3838.3	3309.6	1141.5	3.7	5.2	8.0	10.3
90.5°	3818.7	3305.5	1135.2	3.2	5.2	8.1	10.4
91°	3797.8	3302.7	1128.0	3.0	5.3	8.2	10.4
91.5°	3776.4	3298.9	1124.8	2.9	5.3	8.2	10.5
92°	3753.2	3294.7	1125.3	2.9	5.4	8.3	10.5
92.5°	3729.0	3289.5	1131.2	2.9	5.4	8.4	10.6
93°	3705.0	3285.0	1142.2	2.8	5.4	8.5	10.6
93.5°	3682.0	3281.9	1164.0	2.8	5.5	8.6	10.7
94°	3657.7	3279.2	1196.7	2.7	5.5	8.7	10.7
94.5°	3634.3	3272.4	1227.7	2.7	5.6	8.8	10.8
95°	3602.6	3259.2	1250.5	2.7	5.6	8.8	10.8
95.5°	3552.5	3234.7	1255.8	2.6	5.7	8.9	10.8
96°	3489.2	3209.1	1244.0	2.6	5.7	9.0	10.9
96.5°	3422.0	3194.6	1225.6	2.6	5.8	9.0	10.9
97°	3346.4	3209.7	1207.4	2.6	5.8	9.1	11.0
97.5°	3280.8	3237.3	1176.4	2.6	5.9	9.2	11.0
98°	3242.1	3287.1	1127.3	2.5	5.9	9.3	11.0
98.5°	3227.6	3333.4	1051.0	2.5	6.0	9.3	11.1
99°	3238.6	3356.3	942.1	2.5	6.0	9.4	11.1
99.5°	3277.5	3330.7	831.5	2.5	6.1	9.5	11.1
100°	3349.2	3239.8	720.9	2.5	6.1	9.6	11.1
100.5°	3457.3	3060.2	610.3	2.5	6.2	9.6	11.2
101°	3565.9	2805.9	499.6	2.5	6.2	9.6	11.2
101.5°	3642.1	2500.8	390.5	2.5	6.3	9.7	11.3
102°	3647.5	2202.8	306.7	2.5	6.3	9.7	11.3
102.5°	3566.3	1949.3	231.3	2.5	6.3	9.8	11.3
103°	3382.6	1740.0	189.3	2.5	6.4	9.8	11.3
103.5°	3113.3	1580.9	176.2	2.5	6.4	9.9	11.3
104°	2808.4	1517.0	182.2	2.5	6.5	9.9	11.3
104.5°	2535.2	1563.5	199.3	2.5	6.5	9.9	11.4
105°	2266.4	1689.9	203.7	2.5	6.5	9.9	11.4
105.5°	2005.1	1797.8	201.2	2.5	6.6	10.0	11.4
106°	1815.7	1762.3	197.0	2.5	6.6	10.0	11.4
106.5°	1679.9	1544.9	191.4	2.5	6.6	10.0	11.4
107°	1664.9	1181.0	181.6	2.6	6.7	10.1	11.4
107.5°	1753.1	797.8	162.6	2.6	6.7	10.1	11.5
108°	1846.4	464.4	127.5	2.6	6.7	10.1	11.5
108.5°	1798.4	264.2	100.3	2.7	6.8	10.2	11.5
109°	1476.7	222.9	86.3	2.7	6.8	10.2	11.5
109.5°	1155.3	189.0	71.8	2.7	6.8	10.2	11.5
110°	833.9	154.9	51.1	2.7	6.9	10.2	11.5
110.5°	512.4	121.0	35.4	2.8	6.9	10.2	11.5
111°	204.2	120.7	30.0	2.8	6.9	10.2	11.5
111.5°	165.6	120.2	25.0	2.8	6.9	10.3	11.5
112°	158.5	115.5	20.4	2.8	7.0	10.3	11.6

REPORT NUMBER: P1197067

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	157.5	103.6	16.3	2.9	7.0	10.3	11.6
113°	159.5	93.9	13.3	2.9	7.0	10.3	11.6
113.5°	159.3	87.5	11.1	2.9	7.1	10.3	11.6
114°	156.4	79.5	9.4	2.9	7.1	10.3	11.6
114.5°	147.1	70.4	8.1	3.0	7.1	10.3	11.6
115°	133.9	63.6	6.9	3.0	7.1	10.3	11.6
115.5°	123.9	60.2	5.7	3.0	7.2	10.3	11.6
116°	118.4	58.2	4.8	3.1	7.2	10.3	11.6
116.5°	109.8	57.1	4.3	3.1	7.2	10.4	11.6
117°	99.2	56.8	3.8	3.1	7.2	10.4	11.6
117.5°	91.9	56.5	3.5	3.2	7.3	10.4	11.6
118°	88.1	55.2	3.2	3.2	7.3	10.4	11.6
118.5°	86.6	52.4	2.9	3.3	7.3	10.4	11.6
119°	84.3	48.0	2.6	3.3	7.3	10.4	11.6
119.5°	81.6	43.4	2.4	3.3	7.3	10.4	11.6
120°	78.2	38.3	2.3	3.4	7.3	10.4	11.6
120.5°	74.5	31.4	2.2	3.4	7.4	10.4	11.6
121°	69.4	23.0	2.0	3.4	7.4	10.4	11.5
121.5°	63.0	15.4	1.9	3.5	7.4	10.4	11.5
122°	55.3	10.2	1.8	3.5	7.4	10.4	11.5
122.5°	48.3	7.9	1.7	3.5	7.5	10.4	11.5
123°	41.5	6.6	1.5	3.6	7.5	10.4	11.5
123.5°	33.9	5.5	1.4	3.6	7.5	10.4	11.4
124°	26.3	4.4	1.3	3.6	7.5	10.4	11.4
124.5°	19.8	3.4	1.2	3.7	7.5	10.4	11.4
125°	16.1	2.4	1.2	3.7	7.5	10.4	11.4
125.5°	13.5	1.7	1.2	3.7	7.5	10.4	11.3
126°	9.8	1.3	1.1	3.8	7.6	10.4	11.3
126.5°	6.3	1.1	1.1	3.8	7.6	10.4	11.3
127°	4.8	0.9	1.1	3.9	7.6	10.4	11.3
127.5°	3.6	0.9	1.1	3.9	7.6	10.4	11.2
128°	2.8	0.8	1.1	3.9	7.6	10.4	11.2
128.5°	2.2	0.8	1.1	4.0	7.6	10.4	11.2
129°	1.6	0.7	1.1	4.0	7.7	10.4	11.1
129.5°	0.9	0.7	1.2	4.0	7.7	10.4	11.1
130°	0.8	0.7	1.2	4.1	7.7	10.4	11.1
130.5°	0.8	0.6	1.2	4.1	7.7	10.4	11.0
131°	0.7	0.6	1.3	4.2	7.7	10.3	11.0
131.5°	0.7	0.6	1.3	4.2	7.7	10.3	11.0
132°	0.7	0.6	1.3	4.2	7.7	10.3	10.9
132.5°	0.7	0.6	1.4	4.3	7.7	10.3	10.9
133°	0.6	0.6	1.4	4.3	7.7	10.3	10.9
133.5°	0.6	0.5	1.5	4.3	7.7	10.3	10.8
134°	0.6	0.5	1.5	4.4	7.7	10.2	10.8
134.5°	0.5	0.5	1.6	4.4	7.7	10.2	10.8

REPORT NUMBER: P1197067

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.5	0.5	1.6	4.5	7.7	10.2	10.8
135.5°	0.5	0.5	1.6	4.5	7.7	10.2	10.7
136°	0.5	0.5	1.7	4.5	7.7	10.2	10.7
136.5°	0.4	0.5	1.7	4.5	7.7	10.1	10.7
137°	0.4	0.5	1.8	4.6	7.7	10.1	10.7
137.5°	0.4	0.5	1.8	4.6	7.7	10.1	10.6
138°	0.4	0.5	1.9	4.6	7.7	10.1	10.6
138.5°	0.4	0.5	1.9	4.7	7.7	10.1	10.5
139°	0.4	0.5	2.0	4.7	7.7	10.0	10.5
139.5°	0.4	0.5	2.0	4.7	7.8	10.0	10.5
140°	0.4	0.5	2.1	4.8	7.8	10.0	10.4
140.5°	0.4	0.5	2.1	4.8	7.8	10.0	10.3
141°	0.4	0.5	2.2	4.9	7.8	9.9	10.3
141.5°	0.4	0.5	2.2	4.9	7.8	9.9	10.2
142°	0.4	0.5	2.3	4.9	7.8	9.9	10.1
142.5°	0.4	0.5	2.3	4.9	7.7	9.8	10.0
143°	0.4	0.5	2.4	5.0	7.7	9.8	10.0
143.5°	0.4	0.6	2.4	5.0	7.7	9.8	9.9
144°	0.4	0.6	2.5	5.0	7.7	9.7	9.9
144.5°	0.4	0.6	2.5	5.1	7.7	9.7	9.8
145°	0.4	0.6	2.6	5.2	7.7	9.7	9.7
145.5°	0.5	0.7	2.6	5.2	7.7	9.6	9.6
146°	0.5	0.7	2.7	5.2	7.7	9.6	9.5
146.5°	0.5	0.7	2.7	5.2	7.7	9.5	9.5
147°	0.5	0.8	2.8	5.2	7.7	9.5	9.4
147.5°	0.5	0.8	2.8	5.3	7.7	9.4	9.3
148°	0.6	0.8	2.9	5.3	7.7	9.4	9.3
148.5°	0.6	0.9	2.9	5.3	7.7	9.4	9.2
149°	0.6	0.9	3.0	5.4	7.7	9.3	9.1
149.5°	0.6	0.9	3.0	5.4	7.7	9.3	9.1
150°	0.6	1.0	3.0	5.4	7.7	9.3	9.0
150.5°	0.7	1.0	3.1	5.4	7.7	9.2	8.9
151°	0.7	1.1	3.1	5.5	7.7	9.2	8.8
151.5°	0.7	1.1	3.2	5.5	7.7	9.2	8.7
152°	0.8	1.1	3.2	5.5	7.7	9.1	8.6
152.5°	0.8	1.2	3.3	5.6	7.7	9.1	8.5
153°	0.8	1.2	3.3	5.6	7.7	9.1	8.5
153.5°	0.8	1.3	3.4	5.6	7.7	9.1	8.4
154°	0.9	1.3	3.4	5.6	7.7	9.0	8.3
154.5°	0.9	1.4	3.5	5.7	7.7	9.0	8.2
155°	0.9	1.5	3.5	5.7	7.7	8.9	8.1
155.5°	1.0	1.5	3.6	5.7	7.7	8.9	8.0
156°	1.0	1.6	3.6	5.8	7.7	8.8	7.9
156.5°	1.0	1.6	3.7	5.8	7.7	8.8	7.8
157°	1.1	1.7	3.7	5.8	7.7	8.7	7.7

REPORT NUMBER: P1197067

CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.1	1.7	3.8	5.8	7.6	8.7	7.7
158°	1.1	1.8	3.8	5.9	7.6	8.6	7.6
158.5°	1.1	1.8	3.9	5.9	7.6	8.6	7.5
159°	1.2	1.9	3.9	5.9	7.6	8.5	7.4
159.5°	1.2	2.0	4.0	5.9	7.6	8.5	7.3
160°	1.3	2.1	4.0	5.9	7.5	8.4	7.2
160.5°	1.3	2.1	4.1	6.0	7.5	8.4	7.1
161°	1.4	2.2	4.2	6.0	7.5	8.3	7.0
161.5°	1.4	2.2	4.2	6.0	7.5	8.2	6.9
162°	1.5	2.3	4.3	6.0	7.5	8.2	6.8
162.5°	1.5	2.4	4.3	6.1	7.5	8.1	6.7
163°	1.6	2.4	4.4	6.1	7.5	8.1	6.6
163.5°	1.6	2.5	4.4	6.1	7.5	8.0	6.5
164°	1.7	2.6	4.5	6.2	7.5	8.0	6.4
164.5°	1.8	2.6	4.5	6.2	7.5	7.9	6.3
165°	1.8	2.7	4.6	6.2	7.4	7.9	6.2
165.5°	1.9	2.8	4.6	6.2	7.4	7.9	6.1
166°	2.0	2.9	4.7	6.2	7.4	7.8	6.0
166.5°	2.0	2.9	4.7	6.2	7.4	7.8	6.0
167°	2.1	3.0	4.8	6.2	7.4	7.7	5.9
167.5°	2.2	3.1	4.8	6.3	7.3	7.7	5.8
168°	2.2	3.2	4.9	6.3	7.3	7.6	5.7
168.5°	2.3	3.3	4.9	6.3	7.3	7.6	5.6
169°	2.4	3.4	5.0	6.3	7.3	7.5	5.5
169.5°	2.4	3.4	5.0	6.3	7.3	7.5	5.4
170°	2.5	3.5	5.1	6.3	7.2	7.4	5.3
170.5°	2.6	3.6	5.1	6.4	7.2	7.4	5.3
171°	2.6	3.7	5.2	6.4	7.2	7.3	5.2
171.5°	2.7	3.8	5.2	6.4	7.2	7.2	5.1
172°	2.8	3.8	5.3	6.4	7.1	7.2	5.0
172.5°	2.8	3.9	5.3	6.4	7.1	7.1	4.9
173°	2.9	4.0	5.4	6.4	7.1	7.0	4.8
173.5°	3.0	4.0	5.4	6.4	7.0	7.0	4.7
174°	3.0	4.1	5.5	6.5	7.0	6.9	4.6
174.5°	3.0	4.2	5.5	6.5	7.0	6.9	4.5
175°	3.1	4.3	5.6	6.5	7.0	6.8	4.5
175.5°	3.1	4.3	5.6	6.5	6.9	6.8	4.4
176°	3.2	4.4	5.7	6.5	6.9	6.7	4.3
176.5°	3.3	4.5	5.7	6.5	6.9	6.6	4.3
177°	3.3	4.6	5.8	6.5	6.8	6.6	4.2
177.5°	3.4	4.6	5.8	6.5	6.8	6.5	4.1
178°	3.5	4.7	5.8	6.5	6.7	6.4	4.0
178.5°	3.6	4.8	5.9	6.6	6.7	6.3	4.0
179°	3.6	4.8	5.9	6.6	6.7	6.3	3.9
179.5°	3.7	4.9	6.0	6.6	6.6	6.2	3.8



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CATALOG NUMBER: AWP75S-BZ-HIGH-5000K-POSITION 45

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)