

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: P1197110

Luminaire Tested: AWPf150S-BZ-BZ-LOW-4000K-POSITION 0

Issue Date: 10/29/2025

Test Information

Test Method: LM-79-2019
Report Number: P1197110
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-4000K-POSITION 0
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

Lumens per Lamp: 14000 (1 lamp)
Luminaire Lumens: 14295 lumens
Efficiency: 102.1%
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U2 - G1

Input Watts (W): 97.4
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

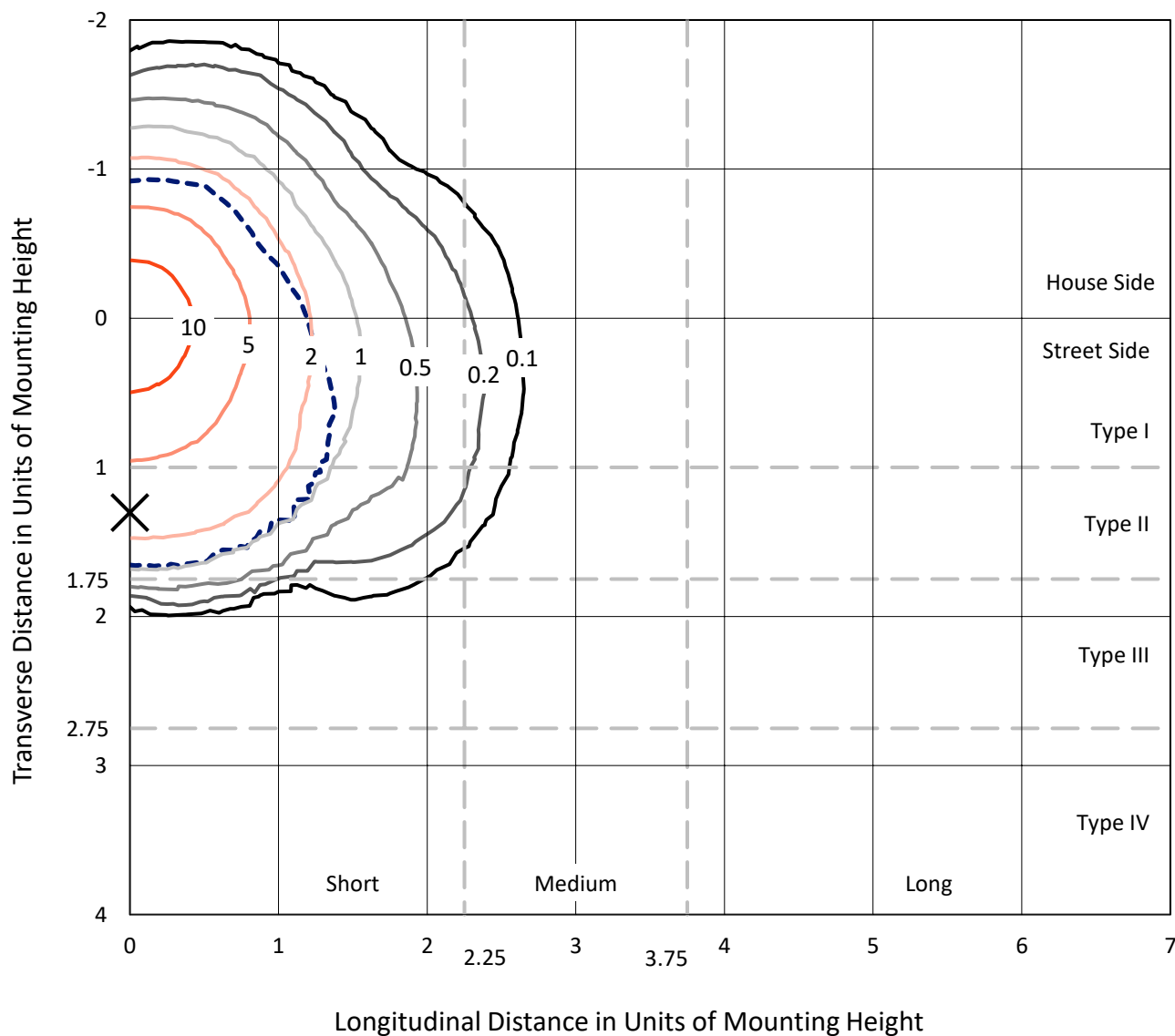
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

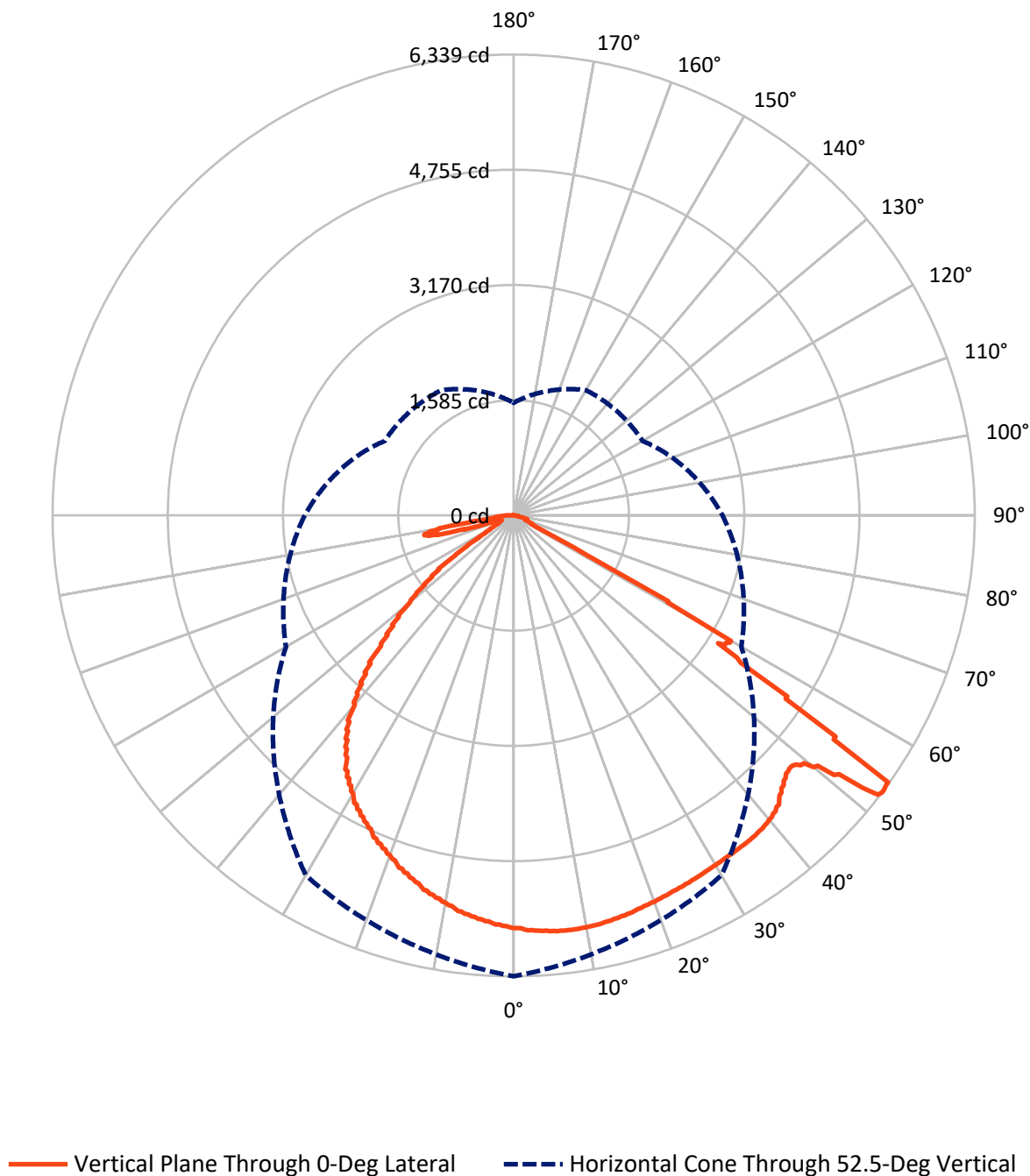


Based on 20 foot mounting height. Maximum calculated value = 14.2 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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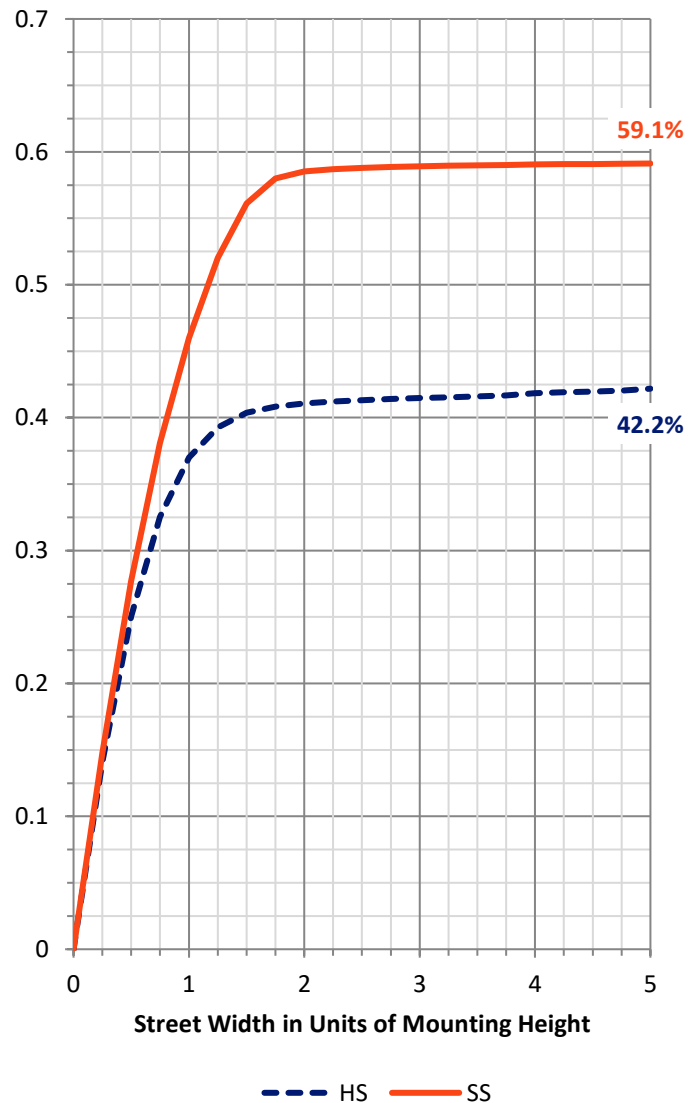
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6012.1	19.1	6031.2
	% Lamp	42.9	0.1	43.1
Street Side	Lumens	8262.4	1.4	8263.8
	% Lamp	59.0	0.0	59.0
Total	Lumens	14274.5	20.5	14295.0
	% Lamp	102.0	0.1	102.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	539.5	3.8	3.9
10°-20°	1543.8	10.8	11.0
20°-30°	2352.4	16.5	16.8
30°-40°	2878.8	20.1	20.6
40°-50°	2980.9	20.9	21.3
50°-60°	2575.8	18.0	18.4
60°-70°	1013.6	7.1	7.2
70°-80°	282.4	2.0	2.0
80°-90°	107.4	0.8	0.8
90°-100°	16.6	0.1	0.1
100°-110°	0.1	0.0	0.0
110°-120°	0.2	0.0	0.0
120°-130°	0.4	0.0	0.0
130°-140°	0.8	0.0	0.0
140°-150°	0.9	0.0	0.0
150°-160°	0.8	0.0	0.0
160°-170°	0.5	0.0	0.0
170°-180°	0.2	0.0	0.0
0°-90°	14274.5	99.9	102.0
0°-180°	14295.0	100.0	102.1

Coefficient of Utilization



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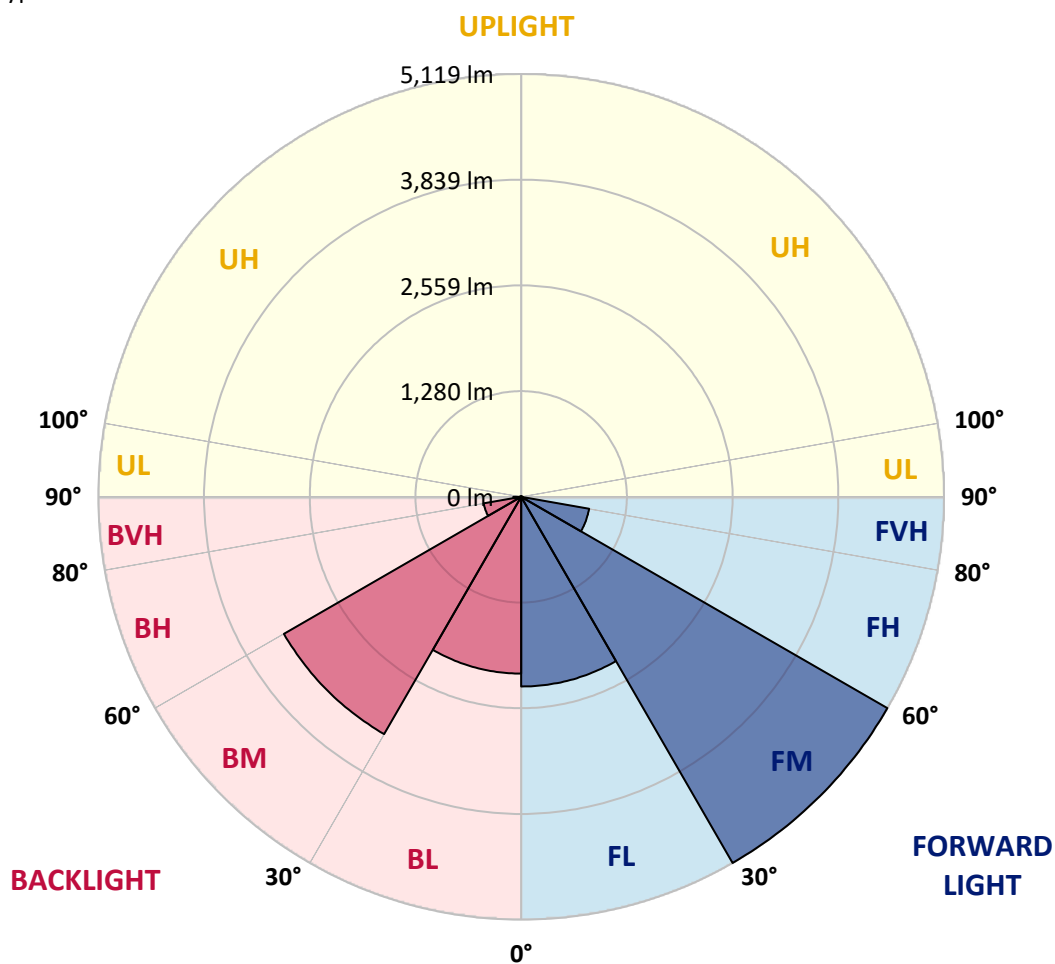
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2296.4	16.4			
FM	(30°-60°)	5118.8	36.6			
FH	(60°-80°)	835.1	6.0			G1/1800
FVH	(80°-90°)	12.1	0.1			G1/100
BL	(0°-30°)	2139.3	15.3	B3/2500		
BM	(30°-60°)	3316.6	23.7	B3/5000		
BH	(60°-80°)	460.9	3.3	B1/500		G1/500
BVH	(80°-90°)	95.2	0.7			G1/100
UL	(90°-100°)	16.6	0.1		U2/50	
UH	(100°-180°)	3.9	0.0		U1/10	
Trapped Light		-295.0	-2.1			

BUG Rating: B3-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	5678.1	5678.1	5678.1	5678.1	5678.1	5678.1	5678.1
0.5°	5678.1	5678.1	5678.1	5678.1	5678.1	5678.1	5678.1
1°	5697.1	5712.3	5719.6	5723.7	5683.7	5711.1	5666.3
1.5°	5710.3	5714.3	5719.6	5720.1	5683.1	5699.7	5648.7
2°	5710.3	5722.9	5721.0	5720.1	5669.6	5697.4	5648.7
2.5°	5720.5	5724.4	5717.4	5716.7	5669.1	5685.3	5631.0
3°	5720.5	5730.8	5714.9	5716.1	5654.9	5683.0	5631.0
3.5°	5730.4	5732.4	5714.9	5709.7	5653.8	5668.7	5613.7
4°	5730.4	5737.4	5710.8	5701.0	5636.1	5666.0	5595.1
4.5°	5740.2	5738.9	5710.8	5701.0	5636.1	5651.7	5592.8
5°	5740.2	5741.8	5705.6	5694.4	5620.2	5649.2	5572.1
5.5°	5748.8	5743.2	5705.6	5694.4	5620.2	5634.3	5569.6
6°	5748.3	5744.6	5695.8	5682.7	5600.0	5614.1	5546.1
6.5°	5751.9	5745.2	5695.8	5682.7	5577.2	5610.3	5546.1
7°	5754.3	5745.7	5684.4	5670.2	5575.4	5592.5	5521.0
7.5°	5754.3	5742.8	5684.0	5670.2	5557.6	5589.5	5521.0
8°	5753.5	5742.8	5671.1	5655.9	5555.6	5572.4	5496.1
8.5°	5753.5	5739.3	5657.0	5640.8	5530.7	5568.6	5496.1
9°	5752.6	5739.3	5657.0	5640.8	5530.7	5547.2	5465.5
9.5°	5752.6	5732.2	5640.9	5624.8	5504.9	5543.3	5439.1
10°	5748.4	5731.7	5640.9	5624.8	5504.9	5521.9	5435.5
10.5°	5747.1	5726.0	5622.1	5605.4	5475.8	5517.5	5405.6
11°	5744.2	5717.7	5620.8	5605.4	5475.8	5493.3	5401.6
11.5°	5742.7	5717.7	5602.3	5584.5	5446.5	5464.0	5366.8
12°	5736.3	5708.1	5600.9	5584.5	5417.3	5459.1	5366.8
12.5°	5728.8	5707.1	5579.5	5559.6	5413.7	5432.0	5332.3
13°	5728.8	5693.6	5577.2	5540.4	5382.0	5427.3	5332.3
13.5°	5720.5	5692.5	5558.0	5537.1	5382.0	5398.8	5297.0
14°	5720.5	5681.8	5535.6	5510.9	5346.2	5393.4	5297.0
14.5°	5710.6	5680.5	5535.6	5510.9	5346.2	5365.6	5259.6
15°	5708.6	5668.4	5512.2	5485.2	5309.7	5360.2	5224.7
15.5°	5699.3	5666.8	5512.2	5485.2	5309.7	5327.4	5219.2
16°	5697.4	5652.6	5486.3	5454.3	5270.3	5321.6	5184.3
16.5°	5688.9	5637.6	5484.0	5454.3	5233.2	5282.6	5178.8
17°	5676.9	5636.0	5458.4	5425.0	5229.1	5248.4	5137.5
17.5°	5676.9	5621.7	5456.0	5425.0	5191.3	5242.1	5137.5
18°	5665.5	5620.2	5431.1	5392.4	5186.6	5207.9	5096.1
18.5°	5665.5	5605.2	5402.2	5388.0	5147.4	5201.4	5096.1
19°	5654.1	5603.7	5402.2	5359.5	5142.6	5164.3	5052.9
19.5°	5654.1	5590.1	5374.3	5324.6	5096.9	5157.5	5015.2
20°	5643.9	5588.8	5374.3	5324.6	5096.9	5120.5	5009.0
20.5°	5641.7	5571.7	5341.6	5289.0	5049.8	5113.5	4970.5
21°	5633.2	5570.3	5341.6	5289.0	5049.8	5075.7	4964.2
21.5°	5630.9	5556.1	5310.7	5250.0	4999.9	5029.2	4919.2
22°	5623.8	5541.4	5308.4	5250.0	4954.3	5021.6	4919.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
22.5°	5615.2	5540.3	5277.8	5212.1	4948.8	4980.3	4875.3
23°	5615.2	5521.8	5274.7	5212.1	4903.3	4972.6	4875.3
23.5°	5604.3	5520.3	5243.4	5170.6	4897.2	4931.3	4828.5
24°	5604.3	5506.1	5207.5	5128.6	4842.7	4923.2	4828.5
24.5°	5594.6	5504.9	5207.5	5128.6	4842.7	4879.1	4779.8
25°	5594.6	5488.5	5172.0	5084.0	4788.4	4871.1	4738.5
25.5°	5586.0	5487.4	5172.0	5084.0	4788.4	4825.5	4730.8
26°	5583.6	5471.8	5135.2	5036.3	4730.1	4816.9	4689.5
26.5°	5576.5	5453.5	5132.3	5036.3	4730.1	4773.5	4682.3
27°	5574.4	5453.5	5097.5	4990.5	4671.5	4722.1	4630.3
27.5°	5568.7	5438.3	5095.1	4990.5	4618.1	4713.1	4630.3
28°	5561.5	5437.5	5057.3	4939.4	4610.5	4666.1	4576.8
28.5°	5561.5	5421.1	5054.6	4939.4	4554.3	4656.7	4576.8
29°	5553.6	5420.1	5014.7	4887.1	4546.7	4611.1	4521.5
29.5°	5553.6	5402.3	4971.8	4834.9	4481.3	4601.5	4521.5
30°	5547.2	5401.6	4971.8	4834.9	4481.3	4555.2	4463.9
30.5°	5545.3	5386.7	4925.2	4777.6	4383.3	4540.2	4410.5
31°	5541.7	5386.1	4925.2	4777.6	4383.3	4491.0	4402.3
31.5°	5539.9	5371.1	4879.2	4721.2	4375.1	4441.9	4335.6
32°	5536.3	5357.0	4877.0	4721.2	4375.1	4441.9	4335.6
32.5°	5534.1	5357.0	4832.8	4663.3	4247.0	4370.6	4265.1
33°	5531.2	5343.0	4830.6	4663.3	4247.0	4370.6	4265.1
33.5°	5529.7	5343.0	4784.3	4602.1	4175.4	4308.9	4191.0
34°	5527.5	5328.4	4736.3	4594.5	4175.4	4308.9	4191.0
34.5°	5525.9	5328.4	4736.3	4539.6	4103.5	4245.0	4112.3
35°	5523.7	5314.5	4685.6	4477.4	4094.5	4245.0	4036.1
35.5°	5521.6	5314.5	4685.6	4477.4	4028.2	4177.6	4026.7
36°	5514.8	5301.5	4633.8	4410.7	4018.5	4177.6	3946.2
36.5°	5514.8	5301.5	4633.8	4410.7	3955.1	4110.0	3936.7
37°	5507.5	5287.1	4580.9	4343.1	3876.8	4037.4	3841.0
37.5°	5500.3	5273.8	4578.9	4343.1	3876.8	4037.4	3841.0
38°	5500.3	5273.8	4529.8	4275.1	3798.4	3960.4	3736.0
38.5°	5485.5	5260.9	4528.0	4275.1	3798.4	3960.4	3736.0
39°	5483.2	5260.9	4476.0	4203.0	3716.6	3878.0	3625.2
39.5°	5465.4	5245.9	4422.0	4128.1	3705.5	3878.0	3625.2
40°	5462.3	5245.9	4422.0	4128.1	3632.9	3790.3	3507.9
40.5°	5437.4	5227.4	4364.0	4051.1	3621.6	3790.3	3396.8
41°	5434.1	5227.4	4364.0	4051.1	3547.5	3699.6	3383.7
41.5°	5397.5	5205.0	4302.8	3970.1	3535.6	3699.6	3266.9
42°	5397.5	5186.5	4299.7	3970.1	3460.1	3602.2	3252.7
42.5°	5352.6	5179.8	4240.6	3888.3	3369.7	3498.7	3117.2
43°	5308.5	5148.2	4236.5	3888.3	3369.7	3498.7	3117.2
43.5°	5303.5	5148.2	4174.6	3803.9	3276.2	3388.3	2976.4
44°	5255.7	5114.6	4170.3	3803.9	3276.2	3388.3	2976.4
44.5°	5250.5	5114.6	4112.6	3718.0	3177.3	3272.7	2832.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
45°	5205.6	5080.0	4051.8	3630.3	3164.1	3272.7	2832.7
45.5°	5200.3	5080.0	4051.8	3630.3	3073.0	3148.5	2684.2
46°	5161.4	5047.9	3983.3	3539.8	3059.6	3148.5	2555.3
46.5°	5161.4	5047.9	3983.3	3539.8	2964.2	3017.9	2536.1
47°	5148.8	5019.9	3910.5	3447.2	2950.6	2896.8	2390.5
47.5°	5148.8	4998.6	3907.0	3447.2	2851.6	2880.3	2390.5
48°	5174.4	5002.5	3834.3	3352.4	2735.3	2739.9	2246.7
48.5°	5234.9	4998.4	3831.9	3352.4	2735.3	2739.9	2246.7
49°	5247.7	4998.4	3762.2	3256.7	2617.2	2593.6	2105.5
49.5°	5386.5	5040.1	3699.7	3245.8	2617.2	2593.6	2105.5
50°	5415.5	5040.1	3699.7	3160.3	2489.0	2444.9	1968.4
50.5°	5670.4	5182.5	3655.2	3063.9	2474.6	2444.9	1858.8
51°	5714.5	5182.5	3655.2	3063.9	2352.1	2294.1	1836.9
51.5°	6090.6	5424.1	3628.7	2968.8	2337.8	2294.1	1729.4
52°	6308.5	5460.6	3628.7	2881.2	2187.8	2140.4	1707.5
52.5°	6339.4	5714.8	3613.6	2871.5	2046.8	1988.7	1548.6
53°	6339.4	5978.3	3657.6	2871.5	2046.8	1988.7	1548.6
53.5°	6323.2	5978.3	3597.8	2773.2	1888.2	1842.8	1400.0
54°	6323.2	6124.3	3622.3	2773.2	1888.2	1842.8	1400.0
54.5°	5369.7	5977.3	3563.1	2671.5	1729.0	1702.0	1269.4
55°	5369.7	5840.5	3540.3	2578.2	1713.4	1702.0	1269.4
55.5°	4511.2	5715.8	3479.7	2568.0	1573.1	1566.7	1135.3
56°	4511.2	5233.7	3341.4	2463.0	1557.1	1566.7	974.4
56.5°	3722.5	5120.8	3341.4	2463.0	1428.2	1439.7	956.7
57°	3640.3	4439.3	3169.0	2355.6	1411.9	1439.7	762.3
57.5°	3314.9	3733.9	3060.1	2355.6	1302.9	1319.6	745.3
58°	3404.8	3754.9	3009.5	2246.0	1286.0	1220.7	564.2
58.5°	3404.8	3291.3	2931.9	2246.0	1196.3	1205.6	564.2
59°	3450.3	3291.9	2890.6	2138.7	1097.6	1070.9	445.0
59.5°	3450.3	3144.5	2866.0	2138.7	1097.6	1070.9	445.0
60°	2429.9	2971.7	2841.7	2030.7	981.9	934.8	374.4
60.5°	2429.9	3245.2	2890.3	1928.6	964.8	934.8	374.4
61°	1132.1	3051.1	2890.3	1928.6	832.3	799.4	355.5
61.5°	943.6	3064.6	2948.9	1835.5	815.1	799.4	305.6
62°	458.6	2983.5	2948.9	1835.5	687.0	629.8	280.8
62.5°	343.7	2111.1	2901.9	1750.2	669.9	484.5	245.8
63°	319.5	1034.6	2722.5	1750.2	591.6	471.4	245.8
63.5°	264.3	1030.5	2811.5	1665.4	532.2	380.3	227.5
64°	264.3	385.3	2703.5	1665.4	532.2	380.3	227.5
64.5°	278.7	388.0	2707.1	1566.3	489.9	339.7	221.4
65°	278.7	219.3	2562.1	1447.1	473.2	339.7	221.4
65.5°	247.9	214.0	2562.1	1447.1	453.9	315.8	217.3
66°	247.9	199.8	2333.9	1312.4	437.7	315.8	209.4
66.5°	217.8	194.7	2333.9	1312.4	424.2	291.4	205.7
67°	212.5	200.4	2052.2	1174.0	409.0	291.4	192.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
67.5°	196.2	197.6	2052.2	1174.0	393.3	270.3	189.1
68°	191.3	192.6	1710.2	1027.2	364.0	256.5	175.1
68.5°	170.6	160.7	1705.4	1027.2	364.0	256.5	175.1
69°	164.3	160.1	1342.2	876.7	339.8	247.1	178.1
69.5°	164.3	132.3	1337.6	794.1	325.9	247.1	178.1
70°	176.4	134.7	1027.8	742.2	318.1	239.4	186.9
70.5°	176.4	117.6	787.8	634.2	306.7	239.4	186.9
71°	187.0	119.5	787.8	634.2	299.5	234.7	186.4
71.5°	187.5	107.4	602.0	508.7	283.7	234.7	210.6
72°	191.7	108.1	602.0	508.7	275.9	231.2	210.2
72.5°	193.3	103.1	436.7	412.1	264.3	228.4	323.7
73°	193.3	105.3	437.1	412.1	255.8	226.9	323.7
73.5°	186.8	103.8	314.6	348.2	236.4	224.9	555.1
74°	186.8	112.4	316.0	348.2	236.4	214.2	553.3
74.5°	163.7	108.3	253.3	283.6	212.4	211.7	708.6
75°	163.7	118.3	230.8	279.5	212.4	205.3	707.5
75.5°	128.6	112.4	230.8	221.1	202.6	205.3	885.5
76°	128.6	119.5	212.0	170.1	179.7	197.8	1075.6
76.5°	96.4	114.1	212.0	170.1	166.1	195.6	1075.6
77°	95.6	117.7	184.2	134.7	161.0	177.8	1206.5
77.5°	74.3	114.1	184.2	134.7	147.5	175.5	1206.5
78°	67.1	111.8	157.6	111.8	144.4	162.7	1257.0
78.5°	67.1	106.1	156.6	111.8	130.9	145.5	1254.5
79°	69.5	107.1	133.1	95.0	119.5	143.9	1181.2
79.5°	69.5	94.3	131.0	95.0	119.5	115.4	1176.4
80°	70.2	95.0	108.2	79.1	102.5	112.9	1048.9
80.5°	70.2	77.2	81.7	64.5	100.7	90.1	1045.1
81°	65.1	76.8	81.7	64.5	84.3	87.4	869.2
81.5°	65.1	57.6	53.6	50.4	82.6	81.0	601.8
82°	58.3	56.9	53.6	50.4	68.4	78.6	601.8
82.5°	56.5	39.8	20.8	37.5	67.1	83.6	344.1
83°	48.0	38.4	20.8	37.5	59.2	105.1	347.9
83.5°	46.6	24.8	2.9	27.8	50.2	103.8	239.0
84°	33.8	12.0	1.1	27.8	50.2	231.2	260.3
84.5°	17.8	9.4	1.1	21.4	33.5	228.6	206.9
85°	17.8	4.4	0.2	21.4	33.5	430.9	240.7
85.5°	4.3	2.1	0.2	15.7	21.8	429.1	207.3
86°	4.3	1.4	0.1	11.4	21.1	545.2	226.7
86.5°	0.7	0.8	0.1	11.4	12.6	543.7	201.1
87°	0.7	0.1	0.0	7.8	12.0	528.1	177.1
87.5°	0.0	0.0	0.0	7.8	7.7	527.3	177.1
88°	0.0	0.0	0.0	5.0	7.2	486.0	152.4
88.5°	0.0	0.0	0.0	5.0	4.4	426.5	142.5
89°	0.0	0.0	0.0	2.8	1.2	426.0	124.7
89.5°	0.0	0.0	0.0	2.8	1.2	356.9	113.1

REPORT NUMBER: P1197110

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
90°	0.0	0.0	0.0	1.4	0.2	356.8	96.7
90.5°	0.0	0.0	0.0	1.4	0.2	289.1	85.4
91°	0.0	0.0	0.0	0.7	0.1	289.1	69.7
91.5°	0.0	0.0	0.0	0.7	0.1	217.9	45.7
92°	0.0	0.0	0.0	0.7	0.1	217.9	45.7
92.5°	0.0	0.0	0.0	0.0	0.0	144.6	25.6
93°	0.0	0.0	0.0	0.0	0.0	144.6	25.6
93.5°	0.0	0.0	0.0	0.0	0.0	89.7	15.0
94°	0.0	0.0	0.0	0.0	0.0	19.9	3.3
94.5°	0.0	0.0	0.0	0.0	0.0	19.9	3.3
95°	0.0	0.0	0.0	0.0	0.0	2.8	0.5
95.5°	0.0	0.0	0.0	0.0	0.0	2.8	0.5
96°	0.0	0.0	0.0	0.0	0.0	2.1	0.4
96.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
97°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
97.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
98°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
98.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
99°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
99.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
100°	0.0	0.0	0.0	0.0	0.0	1.4	0.2
100.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
101°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
101.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
102°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
102.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
103°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
103.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
104°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
104.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
105°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
105.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
106°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
106.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
107°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
109.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
110°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
110.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
111°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
111.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
112°	0.0	0.0	0.0	0.0	0.0	0.7	0.1

REPORT NUMBER: P1197110

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
113°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
113.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
114°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
114.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
115°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
115.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
116°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
116.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
117°	0.0	0.0	0.0	0.0	0.0	0.7	0.1
117.5°	0.0	0.0	0.0	0.0	0.7	0.8	0.1
118°	0.0	0.0	0.0	0.0	0.7	0.8	0.1
118.5°	0.0	0.0	0.0	0.0	0.7	0.8	0.1
119°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
119.5°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
120°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
120.5°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
121°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
121.5°	0.0	0.0	0.0	0.0	0.7	0.8	0.8
122°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
122.5°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
123°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
123.5°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
124°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
124.5°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
125°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
125.5°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
126°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
126.5°	0.0	0.0	0.0	0.7	0.8	0.8	0.8
127°	0.0	0.0	0.0	0.7	0.8	1.5	1.0
127.5°	0.0	0.0	0.0	0.7	0.8	1.5	1.0
128°	0.0	0.0	0.7	0.8	0.8	1.5	1.7
128.5°	0.0	0.0	0.7	0.8	0.8	1.5	1.7
129°	0.0	0.0	0.0	0.7	0.8	1.5	1.7
129.5°	0.0	0.0	0.0	0.7	0.8	1.5	1.7
130°	0.0	0.0	0.7	0.8	0.8	1.5	1.7
130.5°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
131°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
131.5°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
132°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
132.5°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
133°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
133.5°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
134°	0.0	0.7	0.8	0.8	0.8	1.5	1.7
134.5°	0.0	0.7	0.8	0.8	0.8	1.5	1.7

REPORT NUMBER: P1197110

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
135°	0.0	0.7	0.8	0.8	1.5	1.7	1.7
135.5°	0.0	0.7	0.8	0.8	1.5	1.7	1.7
136°	0.0	0.7	0.8	0.8	1.5	1.7	1.7
136.5°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
137°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
137.5°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
138°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
138.5°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
139°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
139.5°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
140°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
140.5°	0.0	0.7	0.8	1.5	1.7	1.7	1.7
141°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
141.5°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
142°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
142.5°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
143°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
143.5°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
144°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
144.5°	0.8	0.8	0.8	1.5	1.7	1.7	1.7
145°	0.8	1.5	1.0	1.5	1.7	1.7	1.7
145.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
146°	0.8	1.5	1.7	1.7	1.7	2.4	1.8
146.5°	0.8	1.5	1.7	1.7	1.7	2.4	1.8
147°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
147.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
148°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
148.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
149°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
149.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
150°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
150.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
151°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
151.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
152°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
152.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
153°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
153.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
154°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
154.5°	0.8	1.5	1.7	1.7	1.7	1.7	1.7
155°	1.0	1.5	1.7	1.7	1.7	1.7	1.7
155.5°	1.0	1.5	1.7	1.7	1.7	2.4	1.8
156°	0.8	1.5	1.7	1.7	1.7	2.4	1.8
156.5°	0.8	1.5	1.7	1.7	1.7	2.4	1.8
157°	1.0	1.5	1.7	1.7	1.7	1.7	1.7

REPORT NUMBER: P1197110

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
157.5°	1.0	1.5	1.7	1.7	1.7	1.7	1.7
158°	0.8	1.5	1.7	1.7	1.7	2.4	1.8
158.5°	1.5	1.7	1.7	1.7	1.7	2.4	1.8
159°	1.5	1.7	1.7	1.7	1.7	2.4	1.8
159.5°	1.5	1.7	1.7	1.7	1.7	2.4	1.8
160°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
160.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
161°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
161.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
162°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
162.5°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
163°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
163.5°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
164°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
164.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
165°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
165.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
166°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
166.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
167°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
167.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
168°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
168.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
169°	1.7	2.4	1.8	1.7	1.7	2.4	1.8
169.5°	1.7	2.4	1.8	1.7	1.7	2.4	1.8
170°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
170.5°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
171°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
171.5°	1.7	2.4	1.8	1.7	1.7	2.4	1.8
172°	1.7	2.4	1.8	2.4	1.8	2.4	1.8
172.5°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
173°	1.7	1.7	1.7	2.4	1.8	2.4	2.5
173.5°	1.7	1.7	1.7	2.4	1.8	2.4	2.5
174°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
174.5°	1.7	1.7	1.7	1.7	1.7	2.4	1.8
175°	1.7	1.7	1.7	1.7	2.4	2.5	1.8
175.5°	1.7	1.7	1.7	2.4	2.5	2.5	1.8
176°	1.7	1.7	1.7	2.4	2.5	1.8	1.7
176.5°	2.4	1.8	1.7	1.7	1.7	1.7	2.4
177°	2.4	1.8	1.7	1.7	1.7	1.7	2.4
177.5°	2.4	1.8	1.7	1.7	1.7	1.7	1.7
178°	2.4	1.8	1.7	1.7	1.7	2.4	1.8
178.5°	1.7	1.7	1.7	2.4	1.8	2.4	1.8
179°	1.7	1.7	1.7	2.4	1.8	1.7	1.7
179.5°	1.7	1.7	1.7	2.4	1.8	1.7	1.7



REPORT NUMBER: P1197110
CATALOG NUMBER: AWPf150S-BZ-BZ-LOW-4000K-POSITION 0

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)