

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: P1197119

Luminaire Tested: AWPf150S-BZ-BZ-LOW-4000K-POSITION 15

Issue Date: 10/29/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1197119  
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 15  
Description: AWP Architectural Wall Pack Series - Wall Mount Luminaire  
Light Source: 80 CRI, 4000K  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 19305 (1 lamp)  
Luminaire Lumens: 14386.7 lumens  
Efficiency: 74.5%  
Efficacy: 147.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.4' x L: 0.56' x H: 0.69')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B3 - U2 - G3  
  
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

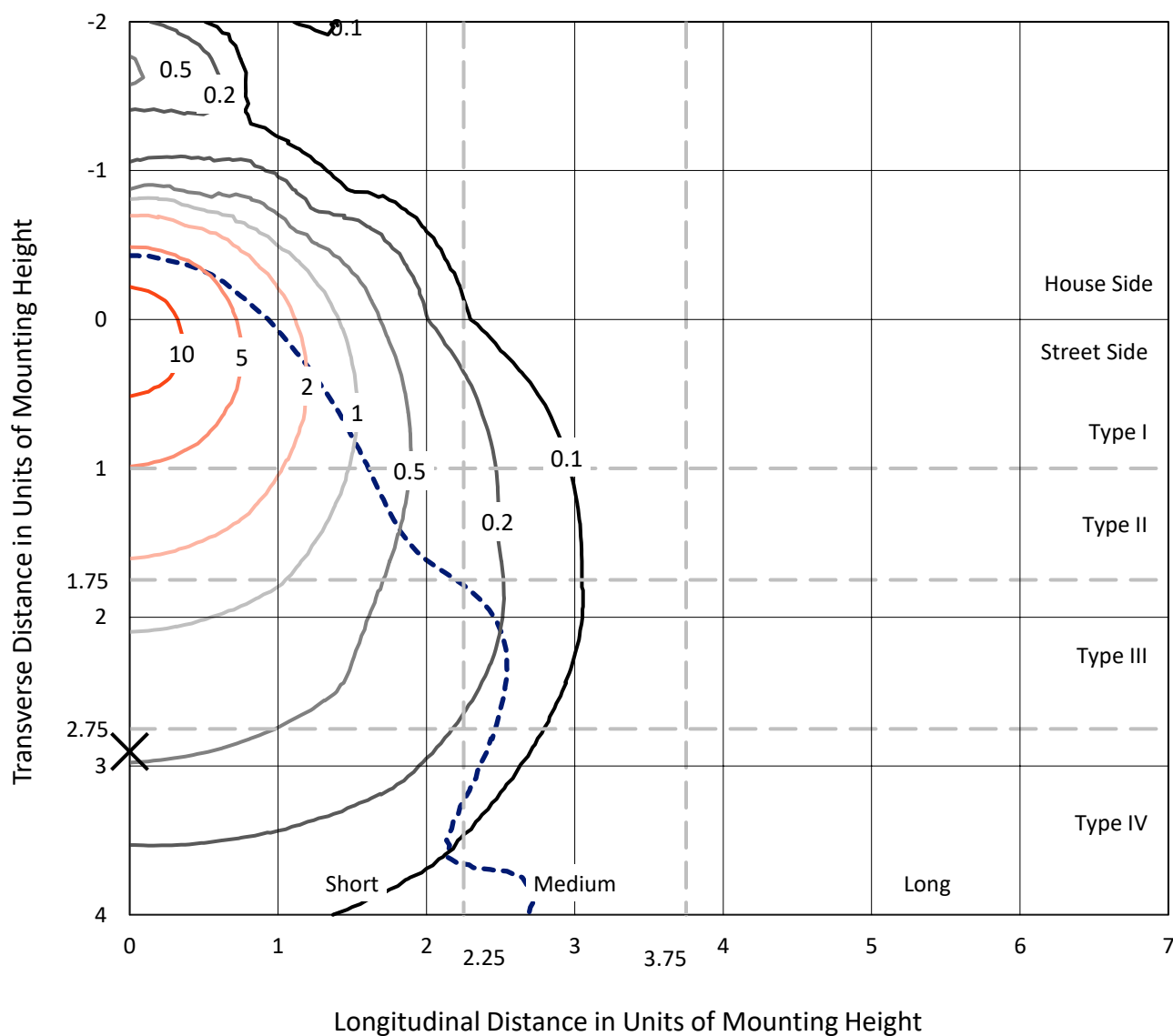
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CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

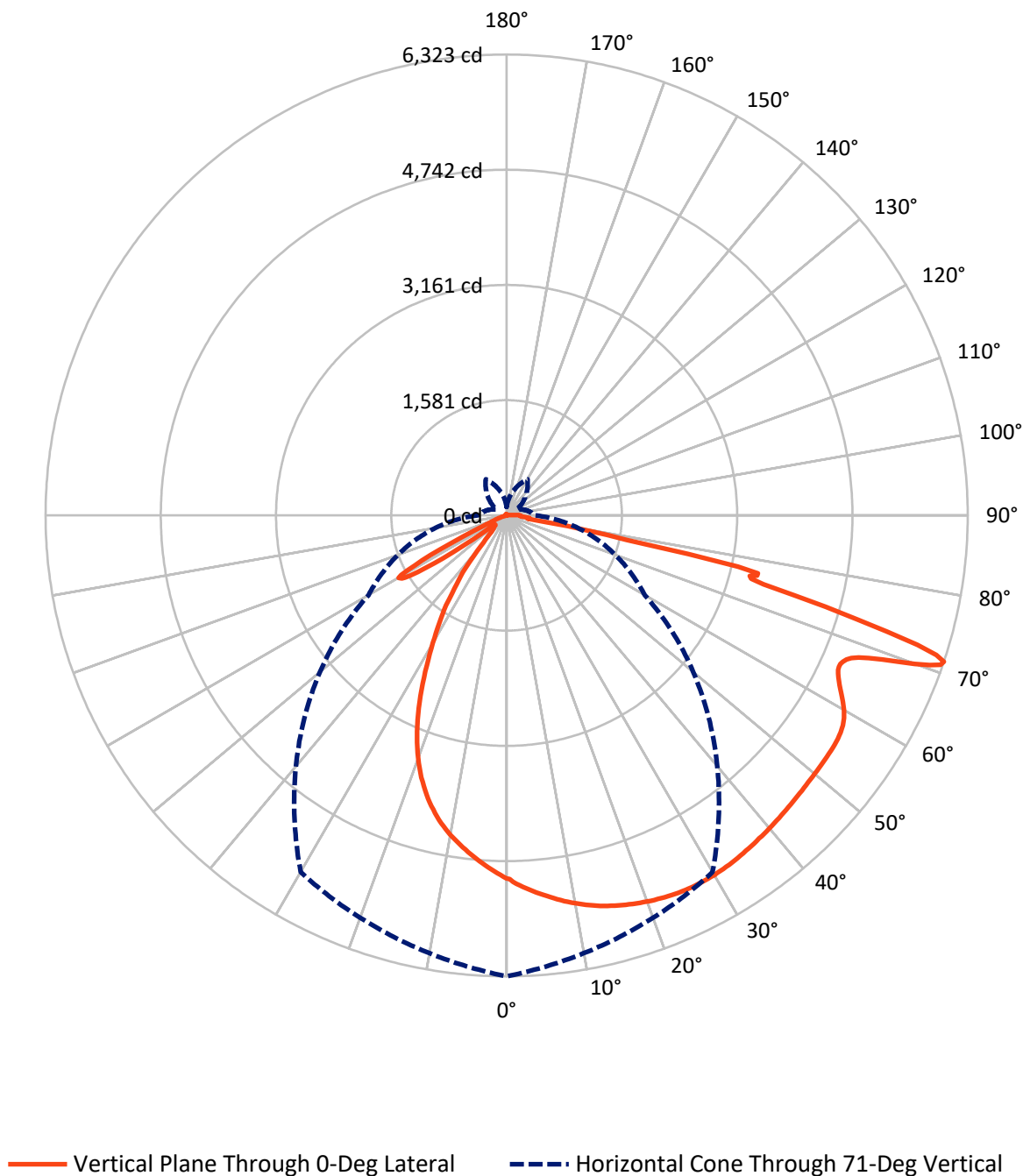


Based on 20 foot mounting height. Maximum calculated value = 13 fc  
Type IV - Short - Semi-Cutoff

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CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

## Luminous Intensity Polar Plot



REPORT NUMBER: P1197119

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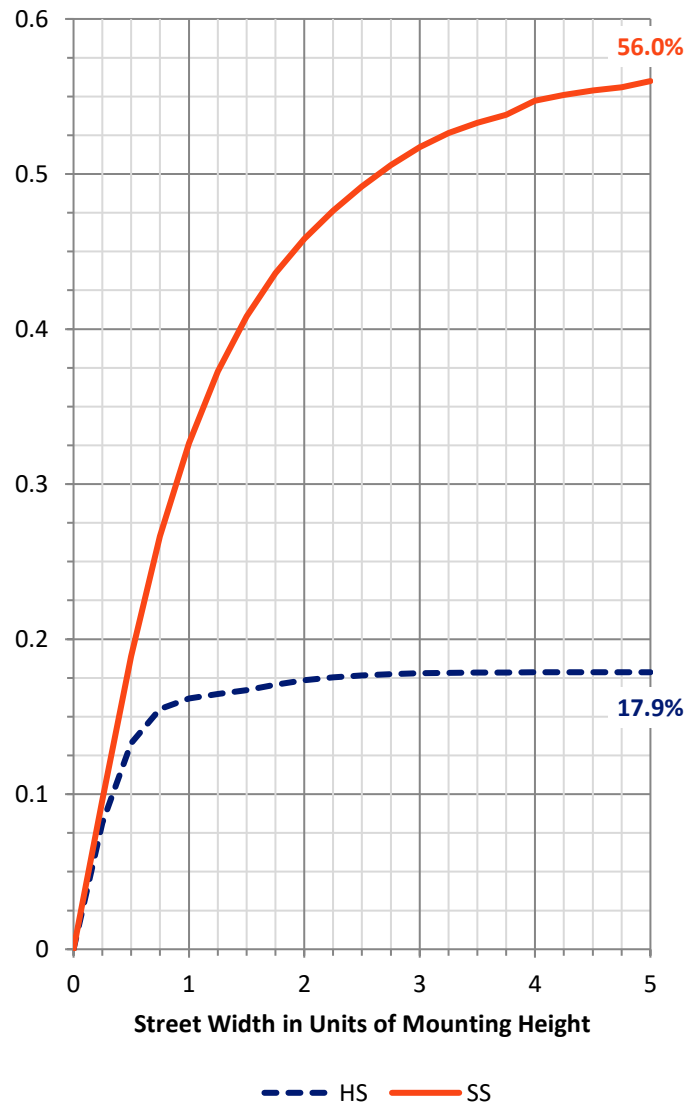
**FLUX DISTRIBUTION:**

|                    |        | Downward | Upward | Total   |
|--------------------|--------|----------|--------|---------|
| <b>House Side</b>  | Lumens | 3474.6   | 32.7   | 3507.3  |
|                    | % Lamp | 18.0     | 0.2    | 18.2    |
| <b>Street Side</b> | Lumens | 10834.2  | 45.2   | 10879.4 |
|                    | % Lamp | 56.1     | 0.2    | 56.4    |
| <b>Total</b>       | Lumens | 14308.8  | 77.9   | 14386.7 |
|                    | % Lamp | 74.1     | 0.4    | 74.5    |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 472.5   | 3.3       | 2.4    |
| 10°-20°   | 1352.4  | 9.4       | 7.0    |
| 20°-30°   | 2002.8  | 13.9      | 10.4   |
| 30°-40°   | 2280.2  | 15.8      | 11.8   |
| 40°-50°   | 2233.4  | 15.5      | 11.6   |
| 50°-60°   | 2161.3  | 15.0      | 11.2   |
| 60°-70°   | 1987.3  | 13.8      | 10.3   |
| 70°-80°   | 1519.6  | 10.6      | 7.9    |
| 80°-90°   | 299.2   | 2.1       | 1.5    |
| 90°-100°  | 34.7    | 0.2       | 0.2    |
| 100°-110° | 5.2     | 0.0       | 0.0    |
| 110°-120° | 6.1     | 0.0       | 0.0    |
| 120°-130° | 7.0     | 0.0       | 0.0    |
| 130°-140° | 7.3     | 0.1       | 0.0    |
| 140°-150° | 6.8     | 0.0       | 0.0    |
| 150°-160° | 5.6     | 0.0       | 0.0    |
| 160°-170° | 3.8     | 0.0       | 0.0    |
| 170°-180° | 1.4     | 0.0       | 0.0    |
| 0°-90°    | 14308.8 | 99.5      | 74.1   |
| 0°-180°   | 14386.7 | 100.0     | 74.5   |

**Coefficient of Utilization**



REPORT NUMBER: P1197119

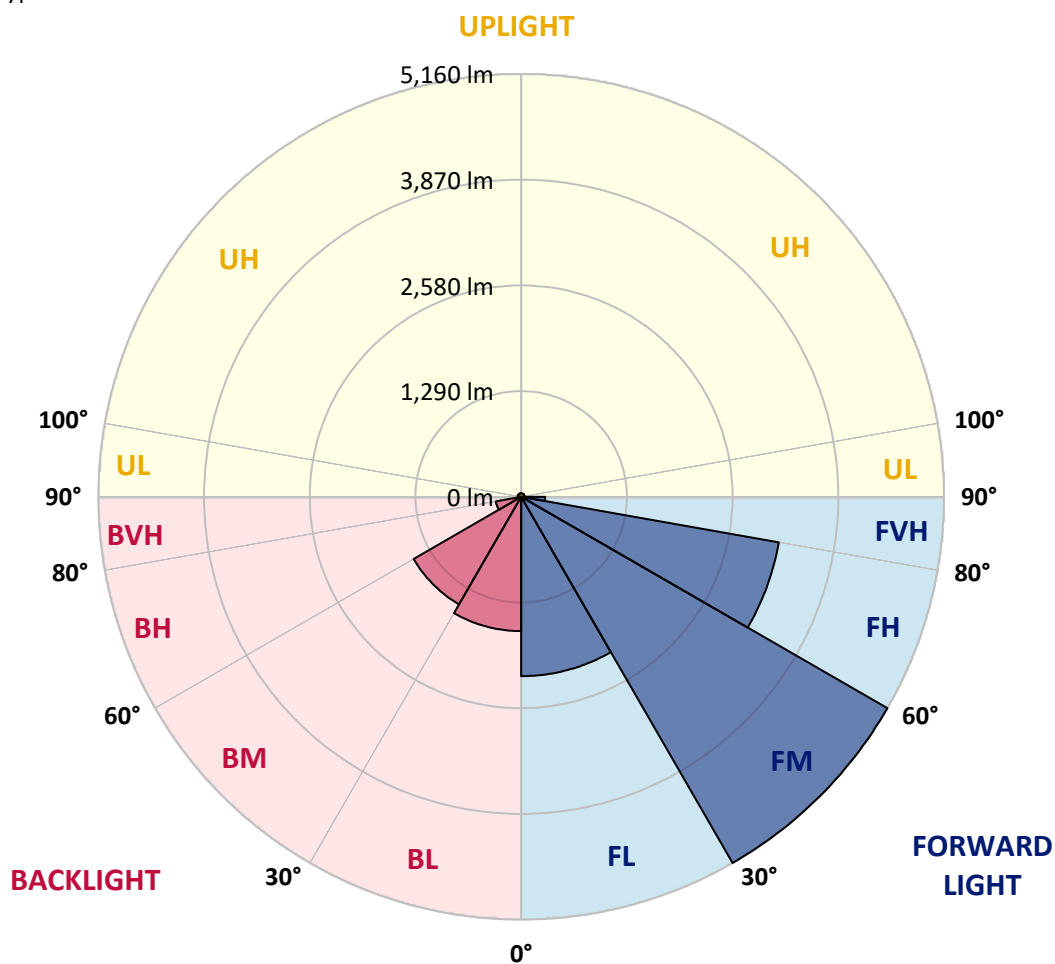
CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone          |             | Lumens | % Lamp | Zone Rating/Lumen Limit |       |         |
|---------------|-------------|--------|--------|-------------------------|-------|---------|
|               |             |        |        | B                       | U     | G       |
| FL            | (0°-30°)    | 2188.4 | 11.3   |                         |       |         |
| FM            | (30°-60°)   | 5159.8 | 26.7   |                         |       |         |
| FH            | (60°-80°)   | 3192.4 | 16.5   |                         |       | G2/5000 |
| FVH           | (80°-90°)   | 293.5  | 1.5    |                         |       | G3/500  |
| BL            | (0°-30°)    | 1639.4 | 8.5    | B3/2500                 |       |         |
| BM            | (30°-60°)   | 1515.1 | 7.8    | B2/2500                 |       |         |
| BH            | (60°-80°)   | 314.5  | 1.6    | B1/500                  |       | G1/500  |
| BVH           | (80°-90°)   | 5.7    | 0.0    |                         |       | G0/10   |
| UL            | (90°-100°)  | 34.7   | 0.2    |                         | U2/50 |         |
| UH            | (100°-180°) | 43.2   | 0.2    |                         | U2/50 |         |
| Trapped Light |             | 4918.3 | 25.5   |                         |       |         |

**BUG Rating: B3-U2-G3**

Type IV Short



REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 30°    | 60°    | 90°    | 120°   | 150°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4988.9 | 4988.9 | 4988.9 | 4988.9 | 4988.9 | 4988.9 | 4988.9 |
| 0.5°  | 5028.7 | 5027.7 | 5008.1 | 4987.4 | 4964.6 | 4938.5 | 4981.2 |
| 1°    | 5053.7 | 5046.6 | 5020.0 | 4986.7 | 4952.2 | 4916.8 | 4956.3 |
| 1.5°  | 5075.6 | 5065.6 | 5030.6 | 4984.7 | 4939.3 | 4895.4 | 4931.2 |
| 2°    | 5099.1 | 5084.7 | 5040.5 | 4983.2 | 4926.0 | 4872.9 | 4907.4 |
| 2.5°  | 5122.4 | 5104.1 | 5050.4 | 4981.2 | 4912.0 | 4852.0 | 4882.1 |
| 3°    | 5144.7 | 5122.9 | 5059.9 | 4978.4 | 4898.1 | 4830.9 | 4856.7 |
| 3.5°  | 5166.4 | 5141.4 | 5068.8 | 4975.1 | 4883.4 | 4808.3 | 4833.5 |
| 4°    | 5188.5 | 5159.0 | 5078.2 | 4971.6 | 4869.0 | 4785.7 | 4807.5 |
| 4.5°  | 5208.1 | 5177.6 | 5086.3 | 4967.6 | 4853.5 | 4763.3 | 4782.3 |
| 5°    | 5227.9 | 5193.4 | 5093.3 | 4961.6 | 4839.0 | 4739.9 | 4756.4 |
| 5.5°  | 5249.4 | 5209.4 | 5100.6 | 4956.6 | 4822.4 | 4715.4 | 4728.9 |
| 6°    | 5269.2 | 5224.7 | 5107.9 | 4950.6 | 4805.8 | 4691.5 | 4701.9 |
| 6.5°  | 5289.9 | 5241.2 | 5113.7 | 4944.4 | 4788.7 | 4666.4 | 4675.6 |
| 7°    | 5310.1 | 5257.1 | 5120.1 | 4936.2 | 4770.7 | 4640.5 | 4648.3 |
| 7.5°  | 5329.8 | 5273.0 | 5125.3 | 4929.3 | 4753.2 | 4616.6 | 4618.4 |
| 8°    | 5350.0 | 5287.7 | 5130.7 | 4921.5 | 4734.0 | 4589.8 | 4592.5 |
| 8.5°  | 5367.3 | 5302.9 | 5134.9 | 4913.8 | 4714.7 | 4562.2 | 4563.4 |
| 9°    | 5384.5 | 5317.5 | 5139.3 | 4904.6 | 4695.7 | 4536.8 | 4534.3 |
| 9.5°  | 5402.6 | 5330.6 | 5143.3 | 4895.1 | 4675.4 | 4509.5 | 4504.7 |
| 10°   | 5418.8 | 5343.5 | 5146.0 | 4884.4 | 4652.8 | 4483.1 | 4478.1 |
| 10.5° | 5435.5 | 5356.0 | 5148.8 | 4873.7 | 4632.3 | 4455.6 | 4447.3 |
| 11°   | 5451.3 | 5368.4 | 5151.4 | 4862.8 | 4610.9 | 4427.4 | 4414.5 |
| 11.5° | 5465.9 | 5379.0 | 5153.2 | 4851.5 | 4588.5 | 4397.8 | 4382.2 |
| 12°   | 5480.9 | 5390.2 | 5154.6 | 4840.3 | 4566.3 | 4367.5 | 4350.0 |
| 12.5° | 5494.4 | 5400.8 | 5155.3 | 4827.2 | 4543.9 | 4336.6 | 4315.2 |
| 13°   | 5507.9 | 5410.2 | 5156.5 | 4814.4 | 4519.6 | 4305.2 | 4278.0 |
| 13.5° | 5521.1 | 5418.5 | 5157.2 | 4800.2 | 4499.1 | 4272.4 | 4241.0 |
| 14°   | 5533.0 | 5428.5 | 5156.4 | 4786.5 | 4477.6 | 4238.7 | 4201.4 |
| 14.5° | 5543.4 | 5437.2 | 5155.0 | 4771.6 | 4454.6 | 4203.5 | 4159.4 |
| 15°   | 5553.8 | 5444.5 | 5154.9 | 4755.1 | 4431.6 | 4166.2 | 4120.2 |
| 15.5° | 5565.2 | 5451.9 | 5152.8 | 4739.6 | 4408.6 | 4128.8 | 4076.1 |
| 16°   | 5575.2 | 5459.4 | 5150.8 | 4723.2 | 4385.6 | 4090.2 | 4031.3 |
| 16.5° | 5585.1 | 5464.9 | 5148.6 | 4706.4 | 4362.5 | 4048.2 | 3984.2 |
| 17°   | 5594.4 | 5471.1 | 5145.1 | 4689.6 | 4335.6 | 4007.2 | 3934.0 |
| 17.5° | 5603.2 | 5475.9 | 5141.9 | 4671.6 | 4307.4 | 3964.1 | 3882.2 |
| 18°   | 5611.7 | 5481.2 | 5138.4 | 4653.5 | 4279.4 | 3919.1 | 3831.6 |
| 18.5° | 5621.1 | 5485.4 | 5135.4 | 4636.3 | 4250.0 | 3874.5 | 3781.9 |
| 19°   | 5628.3 | 5490.1 | 5130.8 | 4617.5 | 4220.4 | 3827.1 | 3724.4 |
| 19.5° | 5636.3 | 5493.3 | 5125.9 | 4598.6 | 4191.0 | 3779.1 | 3665.6 |
| 20°   | 5644.4 | 5496.1 | 5120.4 | 4579.7 | 4159.0 | 3729.4 | 3607.8 |
| 20.5° | 5650.9 | 5500.0 | 5114.0 | 4559.9 | 4127.9 | 3679.2 | 3544.9 |
| 21°   | 5656.4 | 5503.5 | 5106.9 | 4538.5 | 4095.7 | 3622.3 | 3481.6 |
| 21.5° | 5662.8 | 5504.8 | 5099.9 | 4518.5 | 4063.7 | 3567.9 | 3414.7 |
| 22°   | 5669.3 | 5506.1 | 5092.4 | 4499.6 | 4029.5 | 3511.5 | 3349.5 |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|       | 0°     | 30°    | 60°    | 90°    | 120°   | 150°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 22.5° | 5673.9 | 5507.5 | 5085.5 | 4479.6 | 3994.7 | 3451.6 | 3277.2 |
| 23°   | 5678.7 | 5508.8 | 5077.1 | 4458.5 | 3960.2 | 3392.1 | 3205.0 |
| 23.5° | 5684.1 | 5509.5 | 5068.8 | 4436.6 | 3924.5 | 3330.2 | 3130.9 |
| 24°   | 5688.2 | 5508.8 | 5059.8 | 4413.2 | 3888.2 | 3266.0 | 3058.8 |
| 24.5° | 5691.5 | 5508.7 | 5050.7 | 4389.7 | 3849.3 | 3200.6 | 2981.4 |
| 25°   | 5694.8 | 5508.1 | 5040.3 | 4365.8 | 3810.3 | 3133.3 | 2902.5 |
| 25.5° | 5697.5 | 5506.7 | 5030.1 | 4342.3 | 3770.6 | 3066.4 | 2823.7 |
| 26°   | 5697.8 | 5505.9 | 5019.7 | 4316.7 | 3729.6 | 2993.0 | 2743.9 |
| 26.5° | 5698.1 | 5503.2 | 5008.1 | 4291.1 | 3688.1 | 2921.7 | 2661.7 |
| 27°   | 5698.5 | 5500.6 | 4997.2 | 4265.1 | 3646.0 | 2848.3 | 2576.9 |
| 27.5° | 5698.8 | 5497.7 | 4985.3 | 4236.8 | 3600.3 | 2769.7 | 2494.5 |
| 28°   | 5699.1 | 5494.4 | 4972.6 | 4209.5 | 3555.8 | 2695.0 | 2413.5 |
| 28.5° | 5699.4 | 5489.1 | 4959.4 | 4182.1 | 3510.0 | 2618.7 | 2331.7 |
| 29°   | 5697.3 | 5484.3 | 4946.3 | 4153.5 | 3461.6 | 2535.9 | 2253.3 |
| 29.5° | 5696.0 | 5479.5 | 4932.5 | 4125.1 | 3412.7 | 2455.5 | 2173.8 |
| 30°   | 5692.6 | 5474.0 | 4918.5 | 4096.5 | 3363.6 | 2379.1 | 2094.8 |
| 30.5° | 5690.4 | 5467.8 | 4902.3 | 4067.5 | 3313.1 | 2298.4 | 2021.5 |
| 31°   | 5686.5 | 5460.5 | 4886.1 | 4036.6 | 3263.1 | 2218.6 | 1952.3 |
| 31.5° | 5684.3 | 5452.8 | 4870.7 | 4007.8 | 3209.8 | 2143.4 | 1883.2 |
| 32°   | 5680.3 | 5446.8 | 4853.5 | 3976.5 | 3156.5 | 2063.8 | 1814.1 |
| 32.5° | 5676.8 | 5439.1 | 4837.9 | 3945.3 | 3101.8 | 1978.4 | 1745.1 |
| 33°   | 5671.5 | 5430.7 | 4819.4 | 3913.9 | 3045.8 | 1911.8 | 1676.0 |
| 33.5° | 5666.7 | 5423.1 | 4800.7 | 3881.4 | 2987.8 | 1845.2 | 1614.0 |
| 34°   | 5662.5 | 5415.7 | 4782.6 | 3849.0 | 2929.0 | 1778.7 | 1556.3 |
| 34.5° | 5657.8 | 5407.0 | 4762.3 | 3816.9 | 2868.0 | 1712.2 | 1486.5 |
| 35°   | 5651.6 | 5398.8 | 4741.4 | 3785.7 | 2805.6 | 1646.8 | 1387.5 |
| 35.5° | 5646.3 | 5389.7 | 4721.7 | 3751.8 | 2741.6 | 1581.9 | 1303.3 |
| 36°   | 5641.5 | 5380.1 | 4701.0 | 3717.7 | 2677.4 | 1523.5 | 1230.6 |
| 36.5° | 5636.7 | 5369.4 | 4678.3 | 3680.2 | 2609.4 | 1464.8 | 1166.4 |
| 37°   | 5630.6 | 5359.0 | 4655.7 | 3643.9 | 2543.0 | 1407.4 | 1108.9 |
| 37.5° | 5624.6 | 5348.1 | 4635.4 | 3607.5 | 2475.2 | 1353.9 | 1051.0 |
| 38°   | 5619.8 | 5337.1 | 4612.5 | 3570.7 | 2405.4 | 1306.0 | 984.8  |
| 38.5° | 5614.9 | 5326.8 | 4587.8 | 3530.9 | 2334.1 | 1241.3 | 905.9  |
| 39°   | 5610.0 | 5315.2 | 4564.8 | 3492.7 | 2261.9 | 1157.5 | 810.2  |
| 39.5° | 5604.8 | 5304.4 | 4541.5 | 3454.0 | 2191.3 | 1082.6 | 716.0  |
| 40°   | 5600.0 | 5292.8 | 4517.2 | 3413.4 | 2120.0 | 1014.7 | 627.0  |
| 40.5° | 5594.5 | 5281.3 | 4495.5 | 3372.6 | 2049.5 | 955.6  | 552.0  |
| 41°   | 5589.0 | 5270.3 | 4473.8 | 3331.6 | 1979.5 | 894.1  | 488.3  |
| 41.5° | 5584.2 | 5258.4 | 4451.2 | 3289.3 | 1909.8 | 825.9  | 439.3  |
| 42°   | 5578.0 | 5245.9 | 4428.6 | 3245.9 | 1840.9 | 743.9  | 394.7  |
| 42.5° | 5572.8 | 5233.1 | 4406.1 | 3202.3 | 1776.9 | 659.9  | 356.8  |
| 43°   | 5567.9 | 5220.5 | 4383.5 | 3158.5 | 1716.1 | 575.3  | 326.6  |
| 43.5° | 5562.6 | 5207.5 | 4360.7 | 3113.6 | 1658.8 | 506.4  | 302.3  |
| 44°   | 5556.5 | 5193.4 | 4334.2 | 3070.2 | 1606.2 | 449.5  | 283.2  |
| 44.5° | 5552.4 | 5183.4 | 4307.6 | 3024.5 | 1555.1 | 410.4  | 269.6  |



REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|       | 0°     | 30°    | 60°    | 90°    | 120°   | 150°  | 180°   |
|-------|--------|--------|--------|--------|--------|-------|--------|
| 45°   | 5546.9 | 5169.9 | 4281.2 | 2978.0 | 1501.2 | 382.4 | 260.0  |
| 45.5° | 5542.9 | 5155.7 | 4254.1 | 2932.0 | 1441.0 | 364.5 | 252.9  |
| 46°   | 5539.4 | 5142.2 | 4226.9 | 2884.5 | 1375.7 | 354.5 | 248.5  |
| 46.5° | 5535.2 | 5129.8 | 4199.1 | 2838.7 | 1314.0 | 348.0 | 246.1  |
| 47°   | 5530.5 | 5116.1 | 4171.5 | 2792.0 | 1256.5 | 342.1 | 244.6  |
| 47.5° | 5526.9 | 5101.8 | 4143.1 | 2745.8 | 1207.8 | 336.4 | 241.3  |
| 48°   | 5522.4 | 5089.6 | 4115.1 | 2699.0 | 1163.2 | 330.1 | 234.1  |
| 48.5° | 5519.0 | 5078.3 | 4087.1 | 2652.6 | 1120.8 | 324.3 | 224.3  |
| 49°   | 5516.9 | 5066.3 | 4058.2 | 2606.7 | 1078.5 | 319.8 | 213.6  |
| 49.5° | 5513.5 | 5055.4 | 4030.2 | 2561.1 | 1032.9 | 316.9 | 209.4  |
| 50°   | 5511.4 | 5043.5 | 4001.1 | 2515.7 | 980.0  | 314.8 | 205.6  |
| 50.5° | 5509.3 | 5033.2 | 3969.7 | 2471.0 | 915.9  | 312.8 | 201.8  |
| 51°   | 5507.1 | 5025.0 | 3939.2 | 2423.3 | 843.3  | 308.6 | 198.0  |
| 51.5° | 5503.9 | 5014.9 | 3908.8 | 2377.5 | 765.6  | 302.6 | 204.0  |
| 52°   | 5501.7 | 5004.0 | 3875.3 | 2326.7 | 687.1  | 296.6 | 212.9  |
| 52.5° | 5499.7 | 4995.6 | 3841.8 | 2276.9 | 619.9  | 292.1 | 223.1  |
| 53°   | 5497.6 | 4987.3 | 3808.9 | 2223.0 | 561.3  | 288.8 | 230.1  |
| 53.5° | 5494.9 | 4979.7 | 3773.8 | 2169.9 | 516.1  | 285.6 | 230.8  |
| 54°   | 5492.2 | 4970.5 | 3738.4 | 2113.0 | 481.8  | 282.3 | 242.5  |
| 54.5° | 5488.7 | 4961.8 | 3703.5 | 2057.9 | 457.9  | 279.4 | 396.8  |
| 55°   | 5484.1 | 4952.5 | 3666.7 | 2002.2 | 434.0  | 277.4 | 560.4  |
| 55.5° | 5478.3 | 4945.3 | 3628.7 | 1947.1 | 410.1  | 275.7 | 724.0  |
| 56°   | 5470.9 | 4937.0 | 3591.3 | 1891.9 | 386.2  | 273.5 | 887.7  |
| 56.5° | 5462.3 | 4930.1 | 3552.2 | 1836.8 | 363.1  | 268.9 | 1051.2 |
| 57°   | 5450.0 | 4924.0 | 3510.7 | 1781.7 | 353.0  | 259.0 | 1182.4 |
| 57.5° | 5436.9 | 4918.5 | 3470.2 | 1723.0 | 344.6  | 242.5 | 1312.1 |
| 58°   | 5418.3 | 4911.7 | 3427.0 | 1659.8 | 336.6  | 216.4 | 1441.7 |
| 58.5° | 5396.1 | 4903.4 | 3382.0 | 1594.9 | 329.0  | 200.4 | 1550.4 |
| 59°   | 5369.9 | 4895.5 | 3338.2 | 1526.0 | 321.2  | 184.7 | 1632.8 |
| 59.5° | 5341.5 | 4882.4 | 3292.7 | 1458.1 | 313.7  | 169.0 | 1675.2 |
| 60°   | 5308.0 | 4869.9 | 3246.9 | 1391.3 | 306.4  | 153.1 | 1697.0 |
| 60.5° | 5272.0 | 4857.1 | 3200.1 | 1321.8 | 298.7  | 141.2 | 1710.0 |
| 61°   | 5233.0 | 4842.5 | 3154.4 | 1252.2 | 290.7  | 125.1 | 1663.9 |
| 61.5° | 5194.8 | 4827.0 | 3108.9 | 1180.6 | 283.1  | 111.5 | 1551.8 |
| 62°   | 5158.9 | 4812.0 | 3063.6 | 1110.1 | 275.7  | 108.5 | 1429.7 |
| 62.5° | 5123.1 | 4796.5 | 3018.0 | 1040.0 | 268.3  | 110.9 | 1315.9 |
| 63°   | 5091.8 | 4780.9 | 2968.7 | 973.1  | 260.8  | 114.9 | 1182.2 |
| 63.5° | 5061.8 | 4765.7 | 2915.8 | 906.4  | 253.4  | 120.4 | 1019.9 |
| 64°   | 5035.6 | 4752.7 | 2863.9 | 843.5  | 246.8  | 131.7 | 847.7  |
| 64.5° | 5015.6 | 4738.7 | 2812.6 | 784.7  | 240.9  | 162.3 | 667.2  |
| 65°   | 5007.1 | 4725.4 | 2761.6 | 732.8  | 235.5  | 286.0 | 520.4  |
| 65.5° | 5011.5 | 4712.6 | 2712.6 | 688.9  | 229.8  | 411.5 | 420.9  |
| 66°   | 5029.3 | 4697.3 | 2663.2 | 653.0  | 223.9  | 537.1 | 351.7  |
| 66.5° | 5062.6 | 4690.5 | 2616.2 | 624.3  | 218.1  | 662.7 | 303.9  |
| 67°   | 5115.8 | 4695.5 | 2571.1 | 593.9  | 212.9  | 788.5 | 265.0  |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|       | 0°     | 30°    | 60°    | 90°   | 120°  | 150°  | 180°  |
|-------|--------|--------|--------|-------|-------|-------|-------|
| 67.5° | 5206.4 | 4723.4 | 2524.7 | 545.6 | 207.6 | 835.0 | 233.4 |
| 68°   | 5335.1 | 4779.9 | 2476.6 | 491.4 | 201.2 | 827.6 | 208.6 |
| 68.5° | 5514.8 | 4858.6 | 2430.2 | 454.5 | 193.3 | 798.2 | 192.3 |
| 69°   | 5732.4 | 4980.2 | 2383.9 | 438.3 | 186.2 | 760.3 | 176.3 |
| 69.5° | 5954.0 | 5128.7 | 2336.2 | 428.1 | 177.1 | 719.9 | 160.2 |
| 70°   | 6153.2 | 5307.9 | 2286.0 | 419.7 | 168.7 | 674.4 | 144.2 |
| 70.5° | 6294.4 | 5493.9 | 2236.9 | 408.4 | 162.1 | 623.7 | 131.0 |
| 71°   | 6322.9 | 5648.3 | 2186.9 | 393.5 | 155.7 | 572.3 | 117.3 |
| 71.5° | 6195.1 | 5742.6 | 2139.3 | 376.2 | 148.7 | 522.6 | 103.0 |
| 72°   | 5909.8 | 5770.4 | 2095.6 | 358.5 | 138.6 | 477.1 | 90.0  |
| 72.5° | 5456.0 | 5675.3 | 2051.6 | 341.9 | 121.4 | 430.1 | 77.8  |
| 73°   | 5001.9 | 5452.1 | 2013.9 | 326.1 | 109.8 | 381.8 | 64.0  |
| 73.5° | 4547.5 | 5119.5 | 1981.2 | 308.7 | 101.2 | 323.8 | 50.4  |
| 74°   | 4092.6 | 4675.8 | 1953.2 | 290.1 | 86.3  | 257.1 | 37.9  |
| 74.5° | 3647.3 | 4226.1 | 1928.5 | 272.4 | 76.2  | 192.4 | 28.9  |
| 75°   | 3463.1 | 3837.6 | 1907.3 | 255.5 | 71.7  | 147.4 | 22.2  |
| 75.5° | 3437.9 | 3516.4 | 1889.9 | 238.8 | 68.0  | 103.1 | 19.9  |
| 76°   | 3531.2 | 3285.9 | 1880.2 | 221.6 | 64.1  | 58.8  | 18.5  |
| 76.5° | 3536.8 | 3169.9 | 1881.9 | 202.8 | 59.9  | 14.5  | 17.0  |
| 77°   | 3250.3 | 3236.3 | 1890.0 | 184.0 | 52.3  | 6.3   | 15.6  |
| 77.5° | 2548.7 | 3383.4 | 1916.1 | 165.1 | 43.8  | 5.4   | 14.0  |
| 78°   | 1684.5 | 3454.9 | 1963.3 | 146.2 | 37.4  | 5.4   | 12.7  |
| 78.5° | 1405.7 | 3226.5 | 2029.5 | 127.4 | 30.0  | 5.7   | 11.5  |
| 79°   | 1125.9 | 2682.3 | 2104.1 | 110.3 | 23.5  | 6.0   | 10.5  |
| 79.5° | 845.5  | 1997.0 | 2166.7 | 96.0  | 18.6  | 6.6   | 9.7   |
| 80°   | 566.2  | 1636.4 | 2199.1 | 85.4  | 15.3  | 7.1   | 9.0   |
| 80.5° | 293.3  | 1296.5 | 2198.9 | 76.3  | 12.8  | 7.5   | 8.3   |
| 81°   | 289.3  | 956.5  | 2168.7 | 68.5  | 10.7  | 7.8   | 7.7   |
| 81.5° | 299.3  | 616.4  | 2115.2 | 61.6  | 8.5   | 7.9   | 7.2   |
| 82°   | 310.9  | 276.2  | 2031.6 | 55.0  | 6.6   | 7.9   | 6.9   |
| 82.5° | 318.7  | 251.4  | 1913.4 | 49.1  | 4.9   | 7.9   | 6.5   |
| 83°   | 311.8  | 236.7  | 1764.3 | 43.7  | 4.2   | 7.9   | 6.3   |
| 83.5° | 281.5  | 233.0  | 1564.8 | 38.6  | 4.0   | 7.9   | 6.1   |
| 84°   | 249.0  | 237.6  | 1358.0 | 34.2  | 3.9   | 7.8   | 6.0   |
| 84.5° | 229.5  | 236.4  | 1155.7 | 30.2  | 3.8   | 7.6   | 5.9   |
| 85°   | 216.0  | 232.9  | 976.1  | 26.5  | 3.7   | 7.4   | 5.9   |
| 85.5° | 207.8  | 215.3  | 821.5  | 23.3  | 3.6   | 7.2   | 5.8   |
| 86°   | 201.0  | 195.8  | 696.4  | 20.4  | 3.5   | 7.0   | 5.8   |
| 86.5° | 191.0  | 176.4  | 617.7  | 17.7  | 3.4   | 6.7   | 5.7   |
| 87°   | 185.5  | 157.0  | 539.1  | 15.2  | 3.3   | 6.4   | 5.7   |
| 87.5° | 187.0  | 137.6  | 460.4  | 12.8  | 3.3   | 6.0   | 5.7   |
| 88°   | 189.0  | 128.4  | 381.8  | 10.5  | 3.2   | 5.7   | 5.7   |
| 88.5° | 188.6  | 118.4  | 303.7  | 8.6   | 3.1   | 5.3   | 5.8   |
| 89°   | 186.4  | 112.7  | 275.6  | 7.2   | 3.1   | 5.0   | 5.9   |
| 89.5° | 182.6  | 110.2  | 252.4  | 5.7   | 3.1   | 4.7   | 6.0   |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 30°   | 60°   | 90° | 120° | 150° | 180° |
|--------|-------|-------|-------|-----|------|------|------|
| 90°    | 176.4 | 109.9 | 229.0 | 5.0 | 3.1  | 4.5  | 6.2  |
| 90.5°  | 166.2 | 111.2 | 208.2 | 4.8 | 3.1  | 4.4  | 6.3  |
| 91°    | 151.3 | 112.5 | 192.2 | 4.6 | 3.1  | 4.4  | 6.4  |
| 91.5°  | 131.8 | 113.0 | 177.9 | 4.5 | 3.1  | 4.3  | 6.6  |
| 92°    | 110.1 | 110.9 | 165.1 | 4.3 | 3.1  | 4.3  | 6.7  |
| 92.5°  | 91.6  | 105.2 | 152.6 | 4.2 | 3.1  | 4.3  | 6.9  |
| 93°    | 77.7  | 96.5  | 135.0 | 4.1 | 3.1  | 4.3  | 7.0  |
| 93.5°  | 66.4  | 87.6  | 100.5 | 4.0 | 3.2  | 4.3  | 7.2  |
| 94°    | 57.2  | 81.5  | 76.7  | 3.9 | 3.2  | 4.4  | 7.3  |
| 94.5°  | 49.7  | 76.7  | 46.3  | 3.8 | 3.3  | 4.5  | 7.5  |
| 95°    | 45.2  | 71.2  | 32.9  | 3.8 | 3.4  | 4.6  | 7.6  |
| 95.5°  | 43.5  | 64.0  | 24.9  | 3.7 | 3.4  | 4.7  | 7.8  |
| 96°    | 43.0  | 54.9  | 19.5  | 3.6 | 3.5  | 4.8  | 8.1  |
| 96.5°  | 42.1  | 45.3  | 16.9  | 3.6 | 3.6  | 5.0  | 8.2  |
| 97°    | 39.5  | 36.6  | 15.6  | 3.6 | 3.7  | 5.1  | 8.5  |
| 97.5°  | 35.9  | 28.5  | 14.5  | 3.6 | 3.8  | 5.3  | 8.7  |
| 98°    | 30.2  | 18.2  | 13.3  | 3.5 | 3.9  | 5.4  | 8.8  |
| 98.5°  | 23.1  | 7.3   | 12.1  | 3.5 | 4.1  | 5.6  | 9.0  |
| 99°    | 12.9  | 3.9   | 10.9  | 3.5 | 4.2  | 5.7  | 9.1  |
| 99.5°  | 5.3   | 2.8   | 9.8   | 3.5 | 4.3  | 5.9  | 9.3  |
| 100°   | 3.8   | 2.2   | 8.8   | 3.5 | 4.5  | 6.0  | 9.5  |
| 100.5° | 3.0   | 2.0   | 7.8   | 3.5 | 4.6  | 6.2  | 9.7  |
| 101°   | 2.5   | 1.8   | 7.0   | 3.5 | 4.8  | 6.4  | 9.9  |
| 101.5° | 2.1   | 1.7   | 6.3   | 3.5 | 4.9  | 6.5  | 10.1 |
| 102°   | 2.0   | 1.6   | 5.6   | 3.5 | 5.1  | 6.7  | 10.3 |
| 102.5° | 1.9   | 1.6   | 5.1   | 3.5 | 5.2  | 6.9  | 10.5 |
| 103°   | 1.9   | 1.5   | 4.6   | 3.6 | 5.4  | 7.1  | 10.6 |
| 103.5° | 1.9   | 1.5   | 4.2   | 3.6 | 5.5  | 7.2  | 10.8 |
| 104°   | 1.8   | 1.4   | 3.8   | 3.6 | 5.7  | 7.4  | 11.0 |
| 104.5° | 1.8   | 1.4   | 3.5   | 3.7 | 5.8  | 7.6  | 11.1 |
| 105°   | 1.7   | 1.4   | 3.3   | 3.8 | 6.0  | 7.7  | 11.3 |
| 105.5° | 1.6   | 1.4   | 3.0   | 3.8 | 6.2  | 7.9  | 11.4 |
| 106°   | 1.5   | 1.4   | 2.8   | 3.9 | 6.3  | 8.1  | 11.6 |
| 106.5° | 1.5   | 1.3   | 2.6   | 4.0 | 6.5  | 8.3  | 11.8 |
| 107°   | 1.4   | 1.3   | 2.4   | 4.1 | 6.6  | 8.4  | 11.9 |
| 107.5° | 1.3   | 1.3   | 2.2   | 4.2 | 6.8  | 8.6  | 12.1 |
| 108°   | 1.3   | 1.3   | 2.1   | 4.3 | 6.9  | 8.8  | 12.3 |
| 108.5° | 1.3   | 1.3   | 2.0   | 4.4 | 7.1  | 9.0  | 12.4 |
| 109°   | 1.3   | 1.3   | 1.9   | 4.5 | 7.3  | 9.1  | 12.5 |
| 109.5° | 1.2   | 1.3   | 1.9   | 4.6 | 7.4  | 9.3  | 12.6 |
| 110°   | 1.2   | 1.2   | 1.9   | 4.7 | 7.6  | 9.4  | 12.7 |
| 110.5° | 1.2   | 1.2   | 1.9   | 4.8 | 7.8  | 9.6  | 12.8 |
| 111°   | 1.1   | 1.2   | 1.9   | 4.9 | 7.9  | 9.8  | 13.0 |
| 111.5° | 1.1   | 1.2   | 1.9   | 4.9 | 8.1  | 9.9  | 13.1 |
| 112°   | 1.1   | 1.2   | 2.0   | 5.0 | 8.2  | 10.1 | 13.2 |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 30° | 60° | 90° | 120° | 150° | 180° |
|--------|-----|-----|-----|-----|------|------|------|
| 112.5° | 1.1 | 1.2 | 2.0 | 5.1 | 8.4  | 10.3 | 13.4 |
| 113°   | 1.1 | 1.2 | 2.0 | 5.2 | 8.6  | 10.4 | 13.5 |
| 113.5° | 1.1 | 1.2 | 2.1 | 5.3 | 8.7  | 10.6 | 13.6 |
| 114°   | 1.1 | 1.2 | 2.2 | 5.4 | 8.9  | 10.8 | 13.7 |
| 114.5° | 1.1 | 1.2 | 2.2 | 5.5 | 9.0  | 10.9 | 13.8 |
| 115°   | 1.1 | 1.2 | 2.3 | 5.5 | 9.2  | 11.1 | 13.9 |
| 115.5° | 1.1 | 1.2 | 2.4 | 5.6 | 9.3  | 11.2 | 14.0 |
| 116°   | 1.2 | 1.2 | 2.4 | 5.7 | 9.4  | 11.4 | 14.1 |
| 116.5° | 1.2 | 1.3 | 2.5 | 5.8 | 9.6  | 11.5 | 14.2 |
| 117°   | 1.2 | 1.3 | 2.6 | 5.9 | 9.7  | 11.7 | 14.3 |
| 117.5° | 1.2 | 1.3 | 2.7 | 5.9 | 9.8  | 11.8 | 14.4 |
| 118°   | 1.3 | 1.4 | 2.8 | 6.0 | 10.0 | 11.9 | 14.4 |
| 118.5° | 1.3 | 1.4 | 2.9 | 6.1 | 10.1 | 12.1 | 14.5 |
| 119°   | 1.3 | 1.5 | 3.0 | 6.2 | 10.2 | 12.2 | 14.6 |
| 119.5° | 1.4 | 1.5 | 3.0 | 6.3 | 10.3 | 12.3 | 14.7 |
| 120°   | 1.4 | 1.6 | 3.1 | 6.4 | 10.5 | 12.4 | 14.8 |
| 120.5° | 1.4 | 1.7 | 3.2 | 6.4 | 10.6 | 12.5 | 14.9 |
| 121°   | 1.5 | 1.7 | 3.3 | 6.5 | 10.7 | 12.6 | 15.0 |
| 121.5° | 1.5 | 1.8 | 3.4 | 6.6 | 10.8 | 12.7 | 15.0 |
| 122°   | 1.6 | 1.8 | 3.5 | 6.7 | 10.9 | 12.8 | 15.0 |
| 122.5° | 1.6 | 1.9 | 3.6 | 6.8 | 11.0 | 12.9 | 15.0 |
| 123°   | 1.6 | 1.9 | 3.7 | 6.9 | 11.1 | 13.0 | 15.1 |
| 123.5° | 1.7 | 2.0 | 3.8 | 7.0 | 11.2 | 13.1 | 15.1 |
| 124°   | 1.7 | 2.1 | 3.9 | 7.1 | 11.3 | 13.2 | 15.1 |
| 124.5° | 1.7 | 2.1 | 4.0 | 7.2 | 11.4 | 13.3 | 15.1 |
| 125°   | 1.8 | 2.2 | 4.1 | 7.3 | 11.5 | 13.3 | 15.2 |
| 125.5° | 1.8 | 2.3 | 4.2 | 7.4 | 11.6 | 13.4 | 15.2 |
| 126°   | 1.9 | 2.3 | 4.3 | 7.5 | 11.7 | 13.5 | 15.2 |
| 126.5° | 1.9 | 2.4 | 4.4 | 7.6 | 11.8 | 13.6 | 15.2 |
| 127°   | 2.0 | 2.5 | 4.5 | 7.7 | 11.9 | 13.6 | 15.2 |
| 127.5° | 2.1 | 2.6 | 4.6 | 7.8 | 11.9 | 13.7 | 15.3 |
| 128°   | 2.1 | 2.7 | 4.7 | 7.9 | 12.0 | 13.8 | 15.3 |
| 128.5° | 2.2 | 2.8 | 4.8 | 8.0 | 12.1 | 13.9 | 15.3 |
| 129°   | 2.2 | 2.8 | 4.9 | 8.1 | 12.1 | 14.0 | 15.3 |
| 129.5° | 2.3 | 2.9 | 5.0 | 8.2 | 12.2 | 14.0 | 15.3 |
| 130°   | 2.3 | 3.0 | 5.1 | 8.3 | 12.3 | 14.1 | 15.4 |
| 130.5° | 2.4 | 3.1 | 5.2 | 8.4 | 12.4 | 14.2 | 15.4 |
| 131°   | 2.5 | 3.2 | 5.3 | 8.5 | 12.4 | 14.3 | 15.4 |
| 131.5° | 2.5 | 3.3 | 5.4 | 8.6 | 12.5 | 14.4 | 15.5 |
| 132°   | 2.6 | 3.3 | 5.5 | 8.7 | 12.6 | 14.5 | 15.5 |
| 132.5° | 2.7 | 3.4 | 5.6 | 8.8 | 12.6 | 14.5 | 15.6 |
| 133°   | 2.7 | 3.5 | 5.7 | 8.9 | 12.7 | 14.6 | 15.6 |
| 133.5° | 2.8 | 3.6 | 5.8 | 9.0 | 12.8 | 14.7 | 15.7 |
| 134°   | 2.9 | 3.7 | 5.9 | 9.1 | 12.8 | 14.8 | 15.7 |
| 134.5° | 3.0 | 3.8 | 6.0 | 9.1 | 12.9 | 14.9 | 15.8 |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 30° | 60°  | 90°  | 120° | 150° | 180° |
|--------|-----|-----|------|------|------|------|------|
| 135°   | 3.0 | 3.9 | 6.1  | 9.3  | 12.9 | 14.9 | 15.8 |
| 135.5° | 3.1 | 4.0 | 6.2  | 9.4  | 13.0 | 15.0 | 15.9 |
| 136°   | 3.2 | 4.1 | 6.3  | 9.4  | 13.1 | 15.1 | 15.9 |
| 136.5° | 3.3 | 4.2 | 6.4  | 9.5  | 13.1 | 15.1 | 16.0 |
| 137°   | 3.3 | 4.3 | 6.5  | 9.6  | 13.2 | 15.2 | 16.0 |
| 137.5° | 3.4 | 4.4 | 6.6  | 9.7  | 13.2 | 15.2 | 16.1 |
| 138°   | 3.5 | 4.5 | 6.7  | 9.8  | 13.2 | 15.2 | 16.2 |
| 138.5° | 3.6 | 4.6 | 6.8  | 9.9  | 13.3 | 15.3 | 16.3 |
| 139°   | 3.7 | 4.7 | 6.9  | 10.0 | 13.3 | 15.3 | 16.3 |
| 139.5° | 3.8 | 4.8 | 7.0  | 10.1 | 13.4 | 15.3 | 16.4 |
| 140°   | 3.9 | 4.9 | 7.1  | 10.2 | 13.4 | 15.3 | 16.4 |
| 140.5° | 4.0 | 5.0 | 7.2  | 10.3 | 13.5 | 15.4 | 16.4 |
| 141°   | 4.1 | 5.1 | 7.3  | 10.4 | 13.5 | 15.4 | 16.4 |
| 141.5° | 4.2 | 5.3 | 7.5  | 10.5 | 13.6 | 15.4 | 16.4 |
| 142°   | 4.3 | 5.4 | 7.6  | 10.6 | 13.6 | 15.4 | 16.4 |
| 142.5° | 4.4 | 5.5 | 7.7  | 10.7 | 13.7 | 15.4 | 16.4 |
| 143°   | 4.5 | 5.6 | 7.8  | 10.7 | 13.7 | 15.4 | 16.4 |
| 143.5° | 4.6 | 5.8 | 7.9  | 10.8 | 13.8 | 15.4 | 16.4 |
| 144°   | 4.7 | 5.9 | 8.0  | 10.9 | 13.8 | 15.4 | 16.4 |
| 144.5° | 4.9 | 6.0 | 8.1  | 11.0 | 13.9 | 15.4 | 16.4 |
| 145°   | 5.0 | 6.1 | 8.2  | 11.1 | 13.9 | 15.4 | 16.4 |
| 145.5° | 5.1 | 6.3 | 8.3  | 11.1 | 13.9 | 15.4 | 16.4 |
| 146°   | 5.2 | 6.4 | 8.4  | 11.2 | 14.0 | 15.4 | 16.3 |
| 146.5° | 5.3 | 6.5 | 8.5  | 11.3 | 14.0 | 15.4 | 16.3 |
| 147°   | 5.4 | 6.6 | 8.6  | 11.4 | 14.0 | 15.4 | 16.3 |
| 147.5° | 5.5 | 6.7 | 8.7  | 11.5 | 14.1 | 15.4 | 16.3 |
| 148°   | 5.6 | 6.8 | 8.8  | 11.5 | 14.1 | 15.4 | 16.2 |
| 148.5° | 5.7 | 6.9 | 8.9  | 11.6 | 14.2 | 15.4 | 16.2 |
| 149°   | 5.8 | 7.0 | 9.1  | 11.7 | 14.2 | 15.5 | 16.2 |
| 149.5° | 5.9 | 7.1 | 9.1  | 11.8 | 14.3 | 15.5 | 16.2 |
| 150°   | 6.0 | 7.2 | 9.2  | 11.9 | 14.3 | 15.5 | 16.2 |
| 150.5° | 6.1 | 7.3 | 9.3  | 11.9 | 14.4 | 15.5 | 16.2 |
| 151°   | 6.2 | 7.4 | 9.4  | 12.0 | 14.4 | 15.5 | 16.2 |
| 151.5° | 6.3 | 7.6 | 9.5  | 12.1 | 14.4 | 15.6 | 16.1 |
| 152°   | 6.4 | 7.7 | 9.7  | 12.2 | 14.5 | 15.6 | 16.1 |
| 152.5° | 6.5 | 7.8 | 9.8  | 12.3 | 14.6 | 15.6 | 16.1 |
| 153°   | 6.6 | 7.9 | 9.9  | 12.4 | 14.6 | 15.6 | 16.1 |
| 153.5° | 6.7 | 8.0 | 10.0 | 12.5 | 14.7 | 15.7 | 16.1 |
| 154°   | 6.9 | 8.1 | 10.1 | 12.6 | 14.7 | 15.7 | 16.0 |
| 154.5° | 7.0 | 8.2 | 10.2 | 12.7 | 14.8 | 15.8 | 16.0 |
| 155°   | 7.1 | 8.3 | 10.3 | 12.7 | 14.9 | 15.8 | 16.0 |
| 155.5° | 7.2 | 8.4 | 10.4 | 12.8 | 14.9 | 15.8 | 16.0 |
| 156°   | 7.3 | 8.6 | 10.5 | 12.9 | 15.0 | 15.8 | 16.0 |
| 156.5° | 7.4 | 8.7 | 10.6 | 13.0 | 15.0 | 15.8 | 16.0 |
| 157°   | 7.5 | 8.8 | 10.8 | 13.0 | 15.0 | 15.8 | 16.0 |

REPORT NUMBER: P1197119

CATALOG NUMBER: AWP150S-BZ-BZ-LOW-4000K-POSITION 15

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 30°  | 60°  | 90°  | 120° | 150° | 180° |
|--------|------|------|------|------|------|------|------|
| 157.5° | 7.6  | 8.9  | 10.9 | 13.1 | 15.1 | 15.8 | 15.9 |
| 158°   | 7.7  | 9.0  | 11.0 | 13.2 | 15.1 | 15.9 | 15.9 |
| 158.5° | 7.9  | 9.1  | 11.1 | 13.3 | 15.1 | 15.9 | 15.9 |
| 159°   | 8.0  | 9.2  | 11.2 | 13.3 | 15.2 | 15.9 | 15.9 |
| 159.5° | 8.1  | 9.3  | 11.3 | 13.4 | 15.2 | 15.9 | 15.9 |
| 160°   | 8.2  | 9.4  | 11.4 | 13.5 | 15.2 | 15.9 | 15.9 |
| 160.5° | 8.3  | 9.6  | 11.5 | 13.5 | 15.3 | 15.9 | 15.9 |
| 161°   | 8.5  | 9.7  | 11.6 | 13.6 | 15.3 | 15.9 | 15.9 |
| 161.5° | 8.6  | 9.8  | 11.7 | 13.7 | 15.3 | 15.9 | 15.9 |
| 162°   | 8.7  | 9.9  | 11.8 | 13.7 | 15.3 | 15.9 | 15.9 |
| 162.5° | 8.8  | 10.0 | 11.9 | 13.8 | 15.4 | 15.9 | 15.8 |
| 163°   | 9.0  | 10.1 | 12.0 | 13.8 | 15.4 | 15.9 | 15.8 |
| 163.5° | 9.1  | 10.3 | 12.1 | 13.9 | 15.4 | 15.9 | 15.7 |
| 164°   | 9.2  | 10.4 | 12.2 | 14.0 | 15.4 | 15.9 | 15.6 |
| 164.5° | 9.3  | 10.5 | 12.3 | 14.0 | 15.4 | 15.9 | 15.6 |
| 165°   | 9.5  | 10.6 | 12.4 | 14.1 | 15.5 | 15.9 | 15.5 |
| 165.5° | 9.6  | 10.8 | 12.5 | 14.2 | 15.5 | 15.9 | 15.5 |
| 166°   | 9.8  | 10.9 | 12.6 | 14.2 | 15.5 | 15.9 | 15.5 |
| 166.5° | 9.9  | 11.0 | 12.7 | 14.3 | 15.6 | 15.9 | 15.5 |
| 167°   | 10.1 | 11.2 | 12.8 | 14.4 | 15.6 | 15.9 | 15.5 |
| 167.5° | 10.2 | 11.3 | 12.9 | 14.4 | 15.6 | 15.9 | 15.5 |
| 168°   | 10.4 | 11.5 | 13.0 | 14.5 | 15.6 | 15.9 | 15.4 |
| 168.5° | 10.6 | 11.6 | 13.2 | 14.6 | 15.6 | 15.9 | 15.4 |
| 169°   | 10.7 | 11.7 | 13.3 | 14.6 | 15.6 | 15.9 | 15.4 |
| 169.5° | 10.9 | 11.9 | 13.4 | 14.7 | 15.6 | 15.9 | 15.3 |
| 170°   | 11.0 | 12.0 | 13.5 | 14.7 | 15.6 | 15.9 | 15.3 |
| 170.5° | 11.2 | 12.1 | 13.6 | 14.8 | 15.6 | 15.9 | 15.2 |
| 171°   | 11.3 | 12.3 | 13.7 | 14.8 | 15.6 | 15.9 | 15.2 |
| 171.5° | 11.5 | 12.4 | 13.7 | 14.9 | 15.6 | 15.8 | 15.1 |
| 172°   | 11.6 | 12.5 | 13.8 | 14.9 | 15.6 | 15.8 | 15.0 |
| 172.5° | 11.7 | 12.6 | 13.9 | 14.9 | 15.6 | 15.8 | 14.9 |
| 173°   | 11.9 | 12.7 | 13.9 | 14.9 | 15.6 | 15.7 | 14.8 |
| 173.5° | 12.0 | 12.8 | 14.0 | 15.0 | 15.6 | 15.7 | 14.8 |
| 174°   | 12.1 | 12.9 | 14.1 | 15.0 | 15.6 | 15.6 | 14.7 |
| 174.5° | 12.3 | 13.1 | 14.2 | 15.0 | 15.6 | 15.6 | 14.6 |
| 175°   | 12.4 | 13.2 | 14.3 | 15.0 | 15.5 | 15.6 | 14.5 |
| 175.5° | 12.5 | 13.3 | 14.3 | 15.1 | 15.5 | 15.5 | 14.4 |
| 176°   | 12.6 | 13.4 | 14.4 | 15.1 | 15.5 | 15.5 | 14.3 |
| 176.5° | 12.7 | 13.5 | 14.5 | 15.1 | 15.5 | 15.4 | 14.2 |
| 177°   | 12.8 | 13.6 | 14.6 | 15.1 | 15.5 | 15.4 | 14.2 |
| 177.5° | 13.0 | 13.7 | 14.6 | 15.2 | 15.5 | 15.4 | 14.1 |
| 178°   | 13.1 | 13.8 | 14.7 | 15.2 | 15.4 | 15.3 | 14.0 |
| 178.5° | 13.2 | 13.9 | 14.8 | 15.2 | 15.4 | 15.3 | 13.9 |
| 179°   | 13.3 | 14.0 | 14.9 | 15.2 | 15.4 | 15.2 | 13.8 |
| 179.5° | 13.4 | 14.1 | 14.9 | 15.3 | 15.4 | 15.2 | 13.6 |



REPORT NUMBER: P1197119  
CATALOG NUMBER: AWPf150S-BZ-BZ-LOW-4000K-POSITION 15

CANDELA DISTRIBUTION (continued):

|      | 0°   | 30°  | 60°  | 90°  | 120° | 150° | 180° |
|------|------|------|------|------|------|------|------|
| 180° | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |

(END OF REPORT)