

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P226285

Luminaire Tested: **ISW-AF-1000-LED-E1-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-1000-LED-E1-T2  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6192.7 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G2

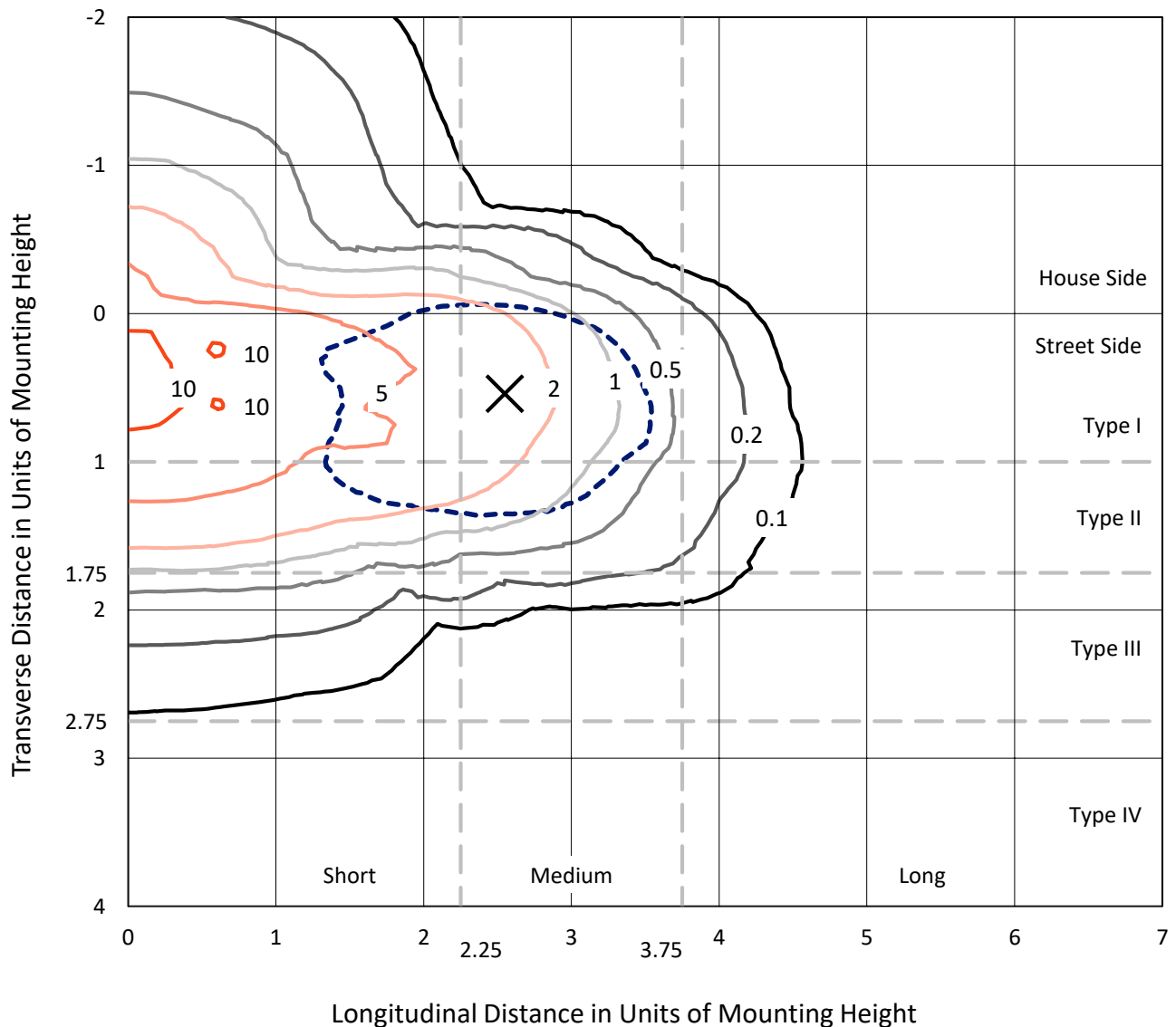
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

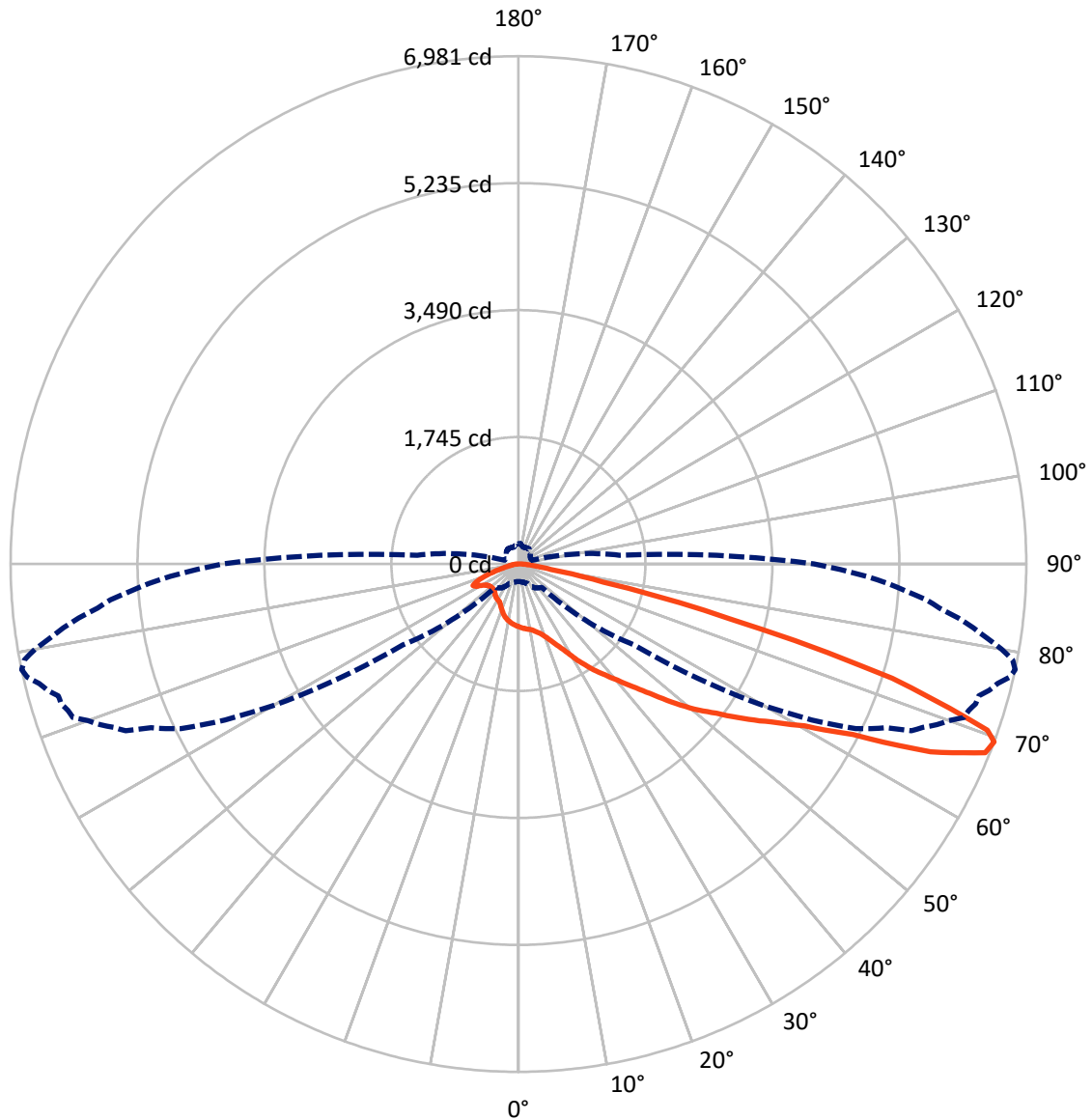
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Medium - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1132.2   | 2.2    | 1134.4 |
|                    | % Fixture | 18.3     | 0.0    | 18.3   |
| <b>Street Side</b> | Lumens    | 5057.2   | 1.0    | 5058.3 |
|                    | % Fixture | 81.7     | 0.0    | 81.7   |
| <b>Total</b>       | Lumens    | 6189.5   | 3.2    | 6192.7 |
|                    | % Fixture | 99.9     | 0.1    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.0   | 1.3       |
| 10°-20°   | 241.5  | 3.9       |
| 20°-30°   | 432.9  | 7.0       |
| 30°-40°   | 706.7  | 11.4      |
| 40°-50°   | 1045.2 | 16.9      |
| 50°-60°   | 1364.8 | 22.0      |
| 60°-70°   | 1526.3 | 24.6      |
| 70°-80°   | 685.2  | 11.1      |
| 80°-90°   | 106.9  | 1.7       |
| 90°-100°  | 3.2    | 0.1       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6189.5 | 99.9      |
| 0°-180°   | 6192.7 | 100.0     |



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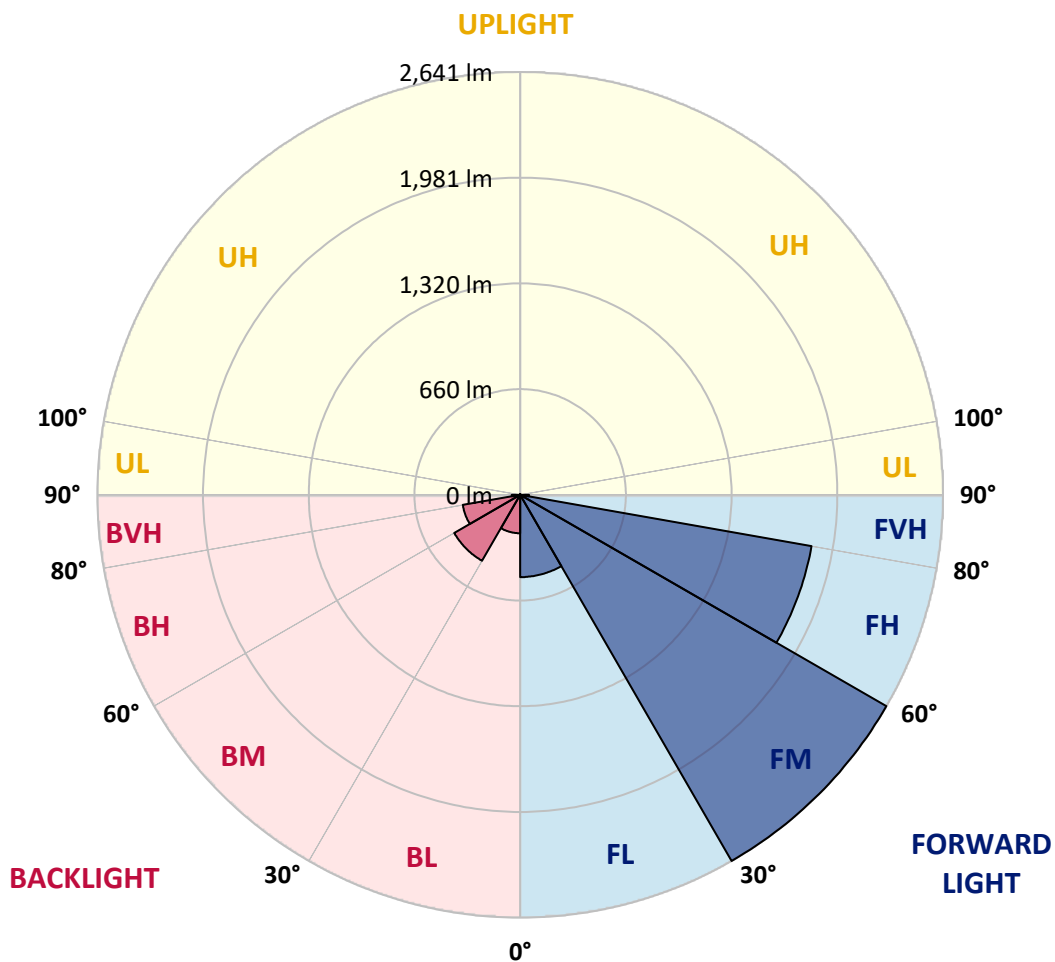
CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|----------------|--------|-----------|-------------------------|-------|---------|
|                |        |           | B                       | U     | G       |
| FL (0°-30°)    | 514.0  | 8.3       |                         |       |         |
| FM (30°-60°)   | 2640.9 | 42.6      |                         |       |         |
| FH (60°-80°)   | 1847.7 | 29.8      |                         |       | G2/5000 |
| FVH (80°-90°)  | 54.6   | 0.9       |                         |       | G1/100  |
| BL (0°-30°)    | 240.3  | 3.9       | B1/500                  |       |         |
| BM (30°-60°)   | 475.7  | 7.7       | B1/1000                 |       |         |
| BH (60°-80°)   | 363.9  | 5.9       | B1/500                  |       | G1/500  |
| BVH (80°-90°)  | 52.3   | 0.8       |                         |       | G1/100  |
| UL (90°-100°)  | 3.2    | 0.1       |                         | U1/10 |         |
| UH (100°-180°) | 2.2    | 0.0       |                         | U1/10 |         |

**BUG Rating: B1-U1-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  |
| 2.5°   | 922.4  | 922.4  | 919.6  | 917.9  | 915.1  | 908.0  | 897.2  | 895.4  | 894.5  | 892.7  | 890.9  |
| 5°     | 989.8  | 982.5  | 984.4  | 979.9  | 970.0  | 957.4  | 937.6  | 927.7  | 922.4  | 921.5  | 917.9  |
| 7.5°   | 1044.6 | 1045.6 | 1042.8 | 1033.8 | 1020.3 | 1005.0 | 978.0  | 962.8  | 958.3  | 955.6  | 949.3  |
| 10°    | 1084.1 | 1081.5 | 1079.6 | 1077.9 | 1067.0 | 1054.5 | 1020.3 | 1001.5 | 997.9  | 990.6  | 983.5  |
| 12.5°  | 1113.0 | 1113.0 | 1113.0 | 1111.1 | 1104.9 | 1095.0 | 1068.0 | 1049.1 | 1044.6 | 1034.7 | 1028.5 |
| 15°    | 1144.4 | 1140.8 | 1137.2 | 1134.6 | 1135.4 | 1135.4 | 1115.6 | 1101.2 | 1094.0 | 1088.6 | 1076.0 |
| 17.5°  | 1211.8 | 1203.7 | 1195.6 | 1184.9 | 1167.8 | 1163.3 | 1162.4 | 1161.5 | 1151.6 | 1150.7 | 1138.1 |
| 20°    | 1269.4 | 1262.1 | 1255.0 | 1244.2 | 1219.9 | 1193.9 | 1207.3 | 1219.9 | 1218.1 | 1219.1 | 1212.7 |
| 22.5°  | 1340.4 | 1335.0 | 1320.6 | 1308.0 | 1276.5 | 1245.1 | 1246.9 | 1273.9 | 1277.5 | 1281.0 | 1282.9 |
| 25°    | 1437.5 | 1434.8 | 1411.4 | 1387.1 | 1351.2 | 1321.4 | 1293.6 | 1326.9 | 1334.1 | 1342.2 | 1358.4 |
| 27.5°  | 1535.4 | 1529.2 | 1503.9 | 1482.5 | 1437.5 | 1406.0 | 1367.4 | 1385.3 | 1396.1 | 1411.4 | 1436.5 |
| 30°    | 1662.2 | 1645.1 | 1636.1 | 1587.6 | 1546.3 | 1500.4 | 1467.1 | 1472.5 | 1470.7 | 1488.7 | 1527.4 |
| 32.5°  | 1845.6 | 1818.6 | 1773.7 | 1725.1 | 1676.6 | 1615.4 | 1587.6 | 1586.7 | 1582.2 | 1602.9 | 1624.4 |
| 35°    | 1944.5 | 1938.2 | 1910.4 | 1861.8 | 1808.8 | 1751.2 | 1733.2 | 1716.1 | 1718.9 | 1729.6 | 1737.7 |
| 37.5°  | 2051.4 | 2046.1 | 2024.5 | 1997.5 | 1957.1 | 1988.5 | 1888.8 | 1863.6 | 1851.8 | 1846.5 | 1849.2 |
| 40°    | 2098.2 | 2102.7 | 2114.4 | 2118.9 | 2095.5 | 2246.5 | 2049.7 | 1966.9 | 1963.3 | 1955.3 | 1947.2 |
| 42.5°  | 2108.1 | 2119.8 | 2143.2 | 2194.4 | 2216.8 | 2545.9 | 2182.7 | 2082.9 | 2068.5 | 2062.3 | 2063.2 |
| 45°    | 2144.1 | 2162.0 | 2166.5 | 2213.3 | 2319.3 | 2561.2 | 2332.8 | 2185.4 | 2174.6 | 2173.8 | 2168.3 |
| 47.5°  | 2231.3 | 2255.5 | 2255.5 | 2276.2 | 2376.9 | 2590.8 | 2384.1 | 2287.9 | 2280.7 | 2277.1 | 2291.5 |
| 50°    | 2243.8 | 2276.2 | 2340.9 | 2407.5 | 2480.2 | 2615.2 | 2442.5 | 2399.3 | 2402.1 | 2410.2 | 2452.4 |
| 52.5°  | 2030.8 | 2063.2 | 2233.9 | 2429.9 | 2667.2 | 2681.7 | 2530.6 | 2547.7 | 2565.7 | 2605.3 | 2682.6 |
| 55°    | 1741.4 | 1764.7 | 1966.9 | 2280.7 | 2674.5 | 2934.2 | 2751.7 | 2799.4 | 2837.2 | 2848.8 | 2970.2 |
| 57.5°  | 1371.0 | 1403.3 | 1609.2 | 2016.4 | 2497.3 | 3006.1 | 3260.6 | 3282.1 | 3239.9 | 3278.6 | 3322.6 |
| 60°    | 742.6  | 739.0  | 1025.7 | 1458.1 | 2125.2 | 2873.2 | 3751.5 | 4121.8 | 4130.8 | 4190.1 | 4119.1 |
| 62.5°  | 415.3  | 415.3  | 498.1  | 748.8  | 1367.4 | 2430.8 | 3987.0 | 4848.2 | 4960.6 | 5054.9 | 5262.6 |
| 65°    | 313.7  | 316.4  | 346.1  | 451.3  | 767.7  | 1534.5 | 3814.4 | 5096.3 | 5312.1 | 5528.7 | 5892.8 |
| 67.5°  | 260.8  | 260.8  | 282.2  | 336.2  | 480.1  | 696.7  | 2808.4 | 4598.3 | 4868.0 | 5126.8 | 5630.3 |
| 69°    | 241.8  | 242.7  | 258.9  | 295.7  | 401.8  | 453.1  | 1940.0 | 3898.9 | 4207.2 | 4565.9 | 5159.3 |
| 70°    | 232.8  | 230.2  | 245.4  | 276.0  | 364.1  | 357.8  | 1421.3 | 3390.1 | 3629.2 | 3951.0 | 4633.4 |
| 72.5°  | 206.7  | 204.1  | 212.2  | 235.5  | 286.7  | 255.3  | 579.8  | 1824.0 | 2184.5 | 2545.0 | 3088.9 |
| 75°    | 184.3  | 181.6  | 187.9  | 198.7  | 222.9  | 195.1  | 291.2  | 764.1  | 925.1  | 1195.6 | 1649.6 |
| 77.5°  | 162.8  | 157.3  | 162.8  | 169.9  | 175.3  | 145.7  | 197.7  | 353.3  | 433.3  | 532.2  | 751.6  |
| 80°    | 147.4  | 142.1  | 148.3  | 144.7  | 137.6  | 112.4  | 131.2  | 205.8  | 228.3  | 273.3  | 357.8  |
| 82.5°  | 105.2  | 104.2  | 141.2  | 145.7  | 109.7  | 81.8   | 93.5   | 132.2  | 147.4  | 155.5  | 188.7  |
| 85°    | 64.8   | 62.0   | 81.8   | 104.2  | 111.5  | 51.2   | 60.3   | 78.3   | 81.8   | 89.0   | 105.2  |
| 87.5°  | 33.2   | 34.2   | 44.1   | 53.9   | 72.8   | 30.6   | 36.0   | 45.8   | 45.8   | 45.8   | 52.2   |
| 90°    | 8.1    | 9.9    | 13.5   | 18.9   | 15.2   | 8.1    | 13.5   | 10.7   | 12.6   | 10.7   | 12.6   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

**CANDELA DISTRIBUTION (continued):**

|        | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  |
| 2.5°   | 891.8  | 889.0  | 885.5  | 886.4  | 884.5  | 881.9  | 882.8  | 881.9  | 882.8  | 881.0  | 879.2  |
| 5°     | 917.9  | 916.1  | 910.6  | 909.8  | 908.0  | 906.1  | 903.5  | 900.8  | 899.9  | 898.0  | 894.5  |
| 7.5°   | 947.6  | 942.1  | 939.5  | 935.8  | 931.3  | 924.1  | 923.2  | 919.6  | 917.0  | 915.1  | 910.6  |
| 10°    | 978.0  | 971.8  | 968.2  | 963.7  | 959.2  | 954.7  | 950.2  | 943.9  | 937.6  | 935.8  | 930.5  |
| 12.5°  | 1024.0 | 1015.9 | 1008.6 | 1001.5 | 997.0  | 988.9  | 982.5  | 974.5  | 968.2  | 965.5  | 956.6  |
| 15°    | 1074.3 | 1063.5 | 1056.3 | 1050.9 | 1043.7 | 1036.6 | 1028.5 | 1021.2 | 1011.4 | 1003.3 | 995.1  |
| 17.5°  | 1133.6 | 1123.7 | 1118.3 | 1108.5 | 1099.5 | 1091.4 | 1085.0 | 1076.0 | 1068.0 | 1053.6 | 1046.4 |
| 20°    | 1211.8 | 1203.7 | 1197.5 | 1186.6 | 1176.8 | 1168.7 | 1163.3 | 1144.4 | 1133.6 | 1121.1 | 1109.4 |
| 22.5°  | 1284.6 | 1285.5 | 1279.2 | 1272.0 | 1265.8 | 1255.0 | 1246.0 | 1232.5 | 1219.1 | 1203.7 | 1187.5 |
| 25°    | 1363.8 | 1371.0 | 1371.9 | 1370.0 | 1366.5 | 1353.9 | 1349.4 | 1335.9 | 1325.1 | 1300.0 | 1292.7 |
| 27.5°  | 1451.9 | 1460.0 | 1469.9 | 1482.5 | 1485.1 | 1471.6 | 1478.0 | 1464.5 | 1445.5 | 1434.8 | 1411.4 |
| 30°    | 1537.3 | 1559.7 | 1580.4 | 1594.8 | 1603.8 | 1610.0 | 1605.6 | 1601.1 | 1588.5 | 1570.5 | 1549.9 |
| 32.5°  | 1647.0 | 1670.3 | 1690.9 | 1722.4 | 1738.6 | 1758.5 | 1754.8 | 1756.6 | 1752.1 | 1734.1 | 1709.9 |
| 35°    | 1757.5 | 1778.2 | 1805.1 | 1825.9 | 1865.4 | 1886.9 | 1904.9 | 1904.0 | 1904.0 | 1893.3 | 1869.9 |
| 37.5°  | 1855.5 | 1867.2 | 1889.7 | 1923.9 | 1949.8 | 1984.0 | 2012.9 | 2024.5 | 2043.3 | 2044.3 | 2019.1 |
| 40°    | 1957.9 | 1969.7 | 1986.8 | 2011.9 | 2040.7 | 2081.1 | 2119.8 | 2157.5 | 2175.5 | 2194.4 | 2184.5 |
| 42.5°  | 2068.5 | 2081.1 | 2093.7 | 2109.9 | 2151.3 | 2182.7 | 2234.8 | 2286.1 | 2322.9 | 2361.6 | 2357.1 |
| 45°    | 2178.3 | 2192.6 | 2210.6 | 2234.8 | 2271.8 | 2322.9 | 2373.3 | 2430.8 | 2515.3 | 2561.2 | 2592.7 |
| 47.5°  | 2302.3 | 2325.7 | 2358.9 | 2397.6 | 2427.3 | 2480.2 | 2544.1 | 2633.1 | 2718.5 | 2797.7 | 2847.1 |
| 50°    | 2489.2 | 2498.3 | 2552.2 | 2589.9 | 2646.6 | 2700.5 | 2764.3 | 2842.6 | 2953.2 | 3034.1 | 3113.1 |
| 52.5°  | 2709.5 | 2743.7 | 2797.7 | 2840.7 | 2885.7 | 2939.7 | 3005.3 | 3075.4 | 3185.1 | 3275.9 | 3378.4 |
| 55°    | 2993.6 | 3042.2 | 3088.9 | 3112.2 | 3175.2 | 3223.7 | 3276.8 | 3346.0 | 3463.8 | 3562.6 | 3683.1 |
| 57.5°  | 3332.5 | 3381.1 | 3403.6 | 3437.7 | 3464.6 | 3518.6 | 3590.6 | 3637.3 | 3741.5 | 3844.0 | 3971.7 |
| 60°    | 4028.3 | 3997.8 | 4024.7 | 3971.7 | 3963.6 | 3968.1 | 3983.4 | 4019.4 | 4077.8 | 4173.0 | 4308.0 |
| 62.5°  | 5284.2 | 5240.2 | 5123.2 | 5081.0 | 4999.3 | 4888.7 | 4784.3 | 4770.0 | 4739.4 | 4811.3 | 4895.8 |
| 65°    | 6017.7 | 6177.8 | 6194.9 | 6239.8 | 6207.5 | 6121.1 | 5998.9 | 5959.3 | 5860.5 | 5791.2 | 5786.7 |
| 67.5°  | 5841.6 | 6081.5 | 6231.7 | 6421.4 | 6526.6 | 6629.0 | 6656.0 | 6691.1 | 6627.3 | 6595.8 | 6604.8 |
| 69°    | 5351.7 | 5529.7 | 5865.8 | 5995.3 | 6161.6 | 6298.2 | 6478.0 | 6509.5 | 6571.5 | 6580.5 | 6700.1 |
| 70°    | 4866.2 | 5127.7 | 5320.2 | 5514.3 | 5744.5 | 5894.7 | 5975.5 | 6108.6 | 6262.3 | 6337.8 | 6467.3 |
| 72.5°  | 3498.8 | 3584.2 | 3720.9 | 3972.6 | 4036.5 | 4192.0 | 4351.0 | 4464.4 | 4645.0 | 4772.7 | 5077.4 |
| 75°    | 1887.9 | 1939.1 | 2153.9 | 2296.9 | 2334.7 | 2385.9 | 2502.8 | 2530.6 | 2598.1 | 2639.4 | 2932.5 |
| 77.5°  | 862.1  | 940.3  | 968.2  | 1046.4 | 1002.4 | 1024.0 | 1051.8 | 1045.6 | 1064.4 | 1154.3 | 1256.8 |
| 80°    | 397.3  | 412.7  | 423.4  | 455.8  | 457.6  | 450.4  | 453.1  | 448.6  | 445.0  | 459.4  | 470.1  |
| 82.5°  | 193.2  | 216.7  | 216.7  | 236.4  | 246.3  | 243.7  | 249.0  | 247.2  | 250.8  | 247.2  | 258.9  |
| 85°    | 113.2  | 113.2  | 122.2  | 133.1  | 131.2  | 134.8  | 134.8  | 142.1  | 142.9  | 144.7  | 144.7  |
| 87.5°  | 53.0   | 58.4   | 61.2   | 65.7   | 67.4   | 70.1   | 71.9   | 71.9   | 72.8   | 71.0   | 72.8   |
| 90°    | 13.5   | 13.5   | 22.5   | 22.5   | 24.2   | 27.0   | 23.3   | 25.2   | 31.5   | 23.3   | 29.7   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P226285

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

**CANDELA DISTRIBUTION (continued):**

|        | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226285

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

**CANDELA DISTRIBUTION (continued):**

|        | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2  |
| 2.5°   | 877.4  | 879.2  | 878.3  | 874.7  | 873.8  | 873.8  | 872.0  | 871.1  | 869.3  | 868.4  | 870.2  |
| 5°     | 893.5  | 893.5  | 890.9  | 887.3  | 883.7  | 882.8  | 881.9  | 877.4  | 875.6  | 873.8  | 872.0  |
| 7.5°   | 908.9  | 907.1  | 903.5  | 897.2  | 893.5  | 892.7  | 889.0  | 884.5  | 880.1  | 876.5  | 874.7  |
| 10°    | 925.1  | 923.2  | 916.1  | 911.6  | 904.4  | 903.5  | 897.2  | 891.8  | 887.3  | 882.8  | 879.2  |
| 12.5°  | 948.4  | 946.6  | 938.6  | 927.7  | 922.4  | 918.7  | 910.6  | 904.4  | 898.0  | 892.7  | 886.4  |
| 15°    | 984.4  | 977.2  | 971.8  | 961.0  | 952.9  | 945.7  | 935.8  | 926.9  | 917.9  | 908.9  | 903.5  |
| 17.5°  | 1034.7 | 1024.8 | 1010.5 | 1004.1 | 993.4  | 981.7  | 968.2  | 961.9  | 950.2  | 939.5  | 928.6  |
| 20°    | 1100.4 | 1090.5 | 1068.0 | 1059.9 | 1044.6 | 1027.6 | 1016.7 | 1003.3 | 993.4  | 976.3  | 964.6  |
| 22.5°  | 1173.1 | 1164.2 | 1142.6 | 1121.1 | 1106.6 | 1093.1 | 1076.0 | 1059.0 | 1040.1 | 1024.0 | 1011.4 |
| 25°    | 1267.5 | 1254.0 | 1235.2 | 1213.6 | 1192.0 | 1173.1 | 1149.8 | 1125.6 | 1109.4 | 1086.9 | 1068.9 |
| 27.5°  | 1396.1 | 1372.7 | 1341.3 | 1317.9 | 1300.8 | 1272.0 | 1243.3 | 1221.7 | 1196.5 | 1166.9 | 1147.1 |
| 30°    | 1535.4 | 1509.4 | 1486.0 | 1459.0 | 1430.3 | 1402.4 | 1362.9 | 1331.4 | 1304.5 | 1273.0 | 1240.6 |
| 32.5°  | 1690.1 | 1667.6 | 1634.4 | 1599.3 | 1567.8 | 1532.8 | 1503.9 | 1470.7 | 1423.9 | 1390.7 | 1356.5 |
| 35°    | 1845.6 | 1819.5 | 1785.4 | 1755.7 | 1719.8 | 1683.8 | 1651.5 | 1607.4 | 1565.1 | 1517.4 | 1469.9 |
| 37.5°  | 1995.8 | 1973.3 | 1935.5 | 1890.5 | 1859.1 | 1820.4 | 1787.2 | 1740.4 | 1690.1 | 1637.0 | 1601.1 |
| 40°    | 2162.9 | 2127.0 | 2100.9 | 2048.8 | 2016.4 | 1973.3 | 1925.6 | 1889.7 | 1841.1 | 1783.6 | 1732.4 |
| 42.5°  | 2354.4 | 2329.3 | 2301.4 | 2259.1 | 2225.0 | 2173.8 | 2113.5 | 2067.7 | 2022.7 | 1954.3 | 1883.4 |
| 45°    | 2597.2 | 2581.0 | 2535.1 | 2500.9 | 2455.1 | 2401.2 | 2349.0 | 2293.3 | 2222.3 | 2143.2 | 2078.4 |
| 47.5°  | 2888.4 | 2875.8 | 2834.5 | 2785.9 | 2725.7 | 2652.9 | 2604.3 | 2527.9 | 2467.7 | 2368.8 | 2291.5 |
| 50°    | 3152.7 | 3159.0 | 3136.6 | 3061.9 | 3008.0 | 2935.2 | 2858.7 | 2792.2 | 2699.7 | 2597.2 | 2498.3 |
| 52.5°  | 3468.2 | 3462.0 | 3405.3 | 3364.0 | 3300.1 | 3212.1 | 3128.5 | 3043.1 | 2941.5 | 2835.4 | 2712.3 |
| 55°    | 3770.3 | 3789.2 | 3749.6 | 3691.2 | 3613.9 | 3490.7 | 3406.2 | 3295.6 | 3188.6 | 3071.8 | 2929.7 |
| 57.5°  | 4063.4 | 4123.6 | 4093.0 | 4023.9 | 3944.7 | 3855.7 | 3744.2 | 3620.2 | 3509.6 | 3356.8 | 3196.7 |
| 60°    | 4428.4 | 4508.3 | 4520.9 | 4476.0 | 4389.7 | 4286.4 | 4139.8 | 4042.7 | 3890.8 | 3749.6 | 3626.5 |
| 62.5°  | 4990.3 | 5171.8 | 5161.0 | 5182.6 | 5121.5 | 5057.7 | 4885.9 | 4781.7 | 4583.8 | 4482.3 | 4310.6 |
| 65°    | 5928.7 | 6062.7 | 6223.6 | 6218.2 | 6176.0 | 6023.1 | 5845.1 | 5670.7 | 5540.4 | 5339.9 | 5161.0 |
| 67.5°  | 6716.3 | 6826.9 | 6922.1 | 6872.7 | 6775.6 | 6603.9 | 6395.3 | 6152.6 | 5954.0 | 5732.8 | 5498.2 |
| 69°    | 6789.9 | 6924.9 | 6980.6 | 6919.4 | 6745.0 | 6521.2 | 6317.1 | 6091.5 | 5818.2 | 5628.5 | 5342.7 |
| 70°    | 6592.2 | 6725.3 | 6837.6 | 6680.3 | 6520.3 | 6301.9 | 6078.9 | 5844.2 | 5599.7 | 5395.7 | 5107.1 |
| 72.5°  | 5236.6 | 5386.7 | 5371.4 | 5354.3 | 5226.7 | 5008.2 | 4803.3 | 4677.3 | 4505.7 | 4259.4 | 4050.8 |
| 75°    | 3044.8 | 3114.1 | 2992.7 | 3120.3 | 2967.5 | 2747.2 | 2776.1 | 2634.0 | 2508.2 | 2366.1 | 2256.4 |
| 77.5°  | 1195.6 | 1256.8 | 1193.0 | 1172.3 | 1104.0 | 1088.6 | 974.5  | 988.0  | 931.3  | 819.9  | 768.6  |
| 80°    | 453.1  | 461.1  | 450.4  | 427.9  | 423.4  | 397.3  | 390.2  | 365.0  | 353.3  | 316.4  | 303.0  |
| 82.5°  | 243.7  | 248.2  | 240.9  | 233.7  | 228.3  | 213.1  | 203.2  | 184.3  | 173.5  | 161.8  | 160.9  |
| 85°    | 140.2  | 136.7  | 133.1  | 129.4  | 121.3  | 112.4  | 105.2  | 98.0   | 89.9   | 83.6   | 77.3   |
| 87.5°  | 73.8   | 74.6   | 75.5   | 71.9   | 66.5   | 59.3   | 54.8   | 52.2   | 45.8   | 43.2   | 40.4   |
| 90°    | 24.2   | 18.0   | 20.7   | 26.1   | 24.2   | 19.7   | 18.9   | 16.2   | 13.5   | 13.5   | 10.7   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P226285  
 CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |        |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0°     |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5°   |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5°     |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5°   |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10°    |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5°  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15°    |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5°  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20°    |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5°  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25°    |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5°  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30°    |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5°  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35°    |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5°  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40°    |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5°  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45°    |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5°  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50°    |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5°  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55°    |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5°  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60°    |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5°  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65°    |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5°  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 70°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 72.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 75°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 77.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 80°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 82.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 85°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 87.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 90°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 92.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 95°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 97.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 100°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 102.5° |
|        |     |     |     |     |     |     |     |     |     |     |     | 105°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 107.5° |

NUMBER: P226285  
 NUMBER: ISW-AF-1000-LED-E1-T2

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 87°    | 88°    | 89°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 110°   | 87° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-----|
| 861.2  | 861.2  | 861.2  | 861.2  | 861.2  | 861.2 | 861.2 | 861.2 | 861.2 | 861.2 | 861.2 | 110°   | 0.0 |
| 867.6  | 867.6  | 864.8  | 863.1  | 856.7  | 846.0 | 835.1 | 825.2 | 811.8 | 806.4 | 799.2 | 112.5° | 0.0 |
| 870.2  | 868.4  | 865.7  | 862.1  | 849.6  | 824.4 | 798.3 | 770.4 | 741.6 | 715.6 | 685.1 | 115°   | 0.0 |
| 872.0  | 868.4  | 864.8  | 860.3  | 842.3  | 803.7 | 751.6 | 696.7 | 645.5 | 606.8 | 590.7 | 117.5° | 0.0 |
| 872.9  | 870.2  | 865.7  | 859.4  | 834.2  | 776.7 | 693.2 | 614.0 | 569.1 | 553.7 | 551.1 | 120°   | 0.0 |
| 882.8  | 878.3  | 871.1  | 863.9  | 830.6  | 747.1 | 627.5 | 552.0 | 534.0 | 541.1 | 553.7 | 122.5° | 0.0 |
| 895.4  | 890.0  | 881.0  | 873.8  | 828.9  | 708.4 | 563.6 | 516.9 | 523.2 | 543.0 | 563.6 | 125°   | 0.0 |
| 917.9  | 908.9  | 899.0  | 891.8  | 832.5  | 660.7 | 512.4 | 498.9 | 517.8 | 543.0 | 570.8 | 127.5° | 0.0 |
| 951.1  | 938.6  | 926.9  | 914.2  | 837.9  | 601.4 | 481.8 | 487.2 | 509.7 | 536.6 | 567.2 | 130°   | 0.0 |
| 992.5  | 978.0  | 961.9  | 943.1  | 844.1  | 550.1 | 464.7 | 474.6 | 495.3 | 518.7 | 543.9 | 132.5° | 0.0 |
| 1048.2 | 1028.5 | 1007.7 | 984.4  | 853.1  | 494.4 | 449.5 | 460.3 | 472.9 | 486.3 | 498.9 | 135°   | 0.0 |
| 1118.3 | 1091.4 | 1068.9 | 1037.4 | 862.1  | 456.6 | 436.9 | 440.5 | 443.2 | 445.0 | 444.1 | 137.5° | 0.0 |
| 1211.8 | 1170.5 | 1144.4 | 1105.7 | 872.0  | 436.9 | 422.5 | 418.0 | 413.6 | 407.2 | 400.1 | 140°   | 0.0 |
| 1310.7 | 1276.5 | 1235.2 | 1185.7 | 878.3  | 423.4 | 409.1 | 394.7 | 382.1 | 375.7 | 375.7 | 142.5° | 0.0 |
| 1425.8 | 1383.5 | 1331.4 | 1269.4 | 870.2  | 409.1 | 391.1 | 372.1 | 365.0 | 373.1 | 370.4 | 145°   | 0.0 |
| 1540.9 | 1482.5 | 1424.9 | 1353.9 | 850.5  | 392.8 | 371.2 | 361.4 | 366.8 | 356.0 | 349.7 | 147.5° | 0.0 |
| 1667.6 | 1602.9 | 1522.9 | 1440.2 | 821.6  | 375.7 | 361.4 | 366.8 | 347.9 | 335.3 | 340.7 | 150°   | 0.0 |
| 1809.6 | 1733.2 | 1647.0 | 1534.5 | 802.8  | 365.0 | 346.1 | 350.6 | 334.4 | 325.4 | 322.7 | 152.5° | 0.0 |
| 2002.9 | 1894.2 | 1788.9 | 1656.8 | 817.1  | 347.9 | 316.4 | 334.4 | 325.4 | 317.3 | 310.2 | 155°   | 0.0 |
| 2192.6 | 2076.6 | 1952.6 | 1797.0 | 842.3  | 335.3 | 293.1 | 317.3 | 323.7 | 310.2 | 296.7 | 157.5° | 0.0 |
| 2383.2 | 2260.0 | 2115.3 | 1941.8 | 872.9  | 327.2 | 275.1 | 296.7 | 319.2 | 303.0 | 292.2 | 160°   | 0.0 |
| 2583.7 | 2428.2 | 2279.9 | 2092.9 | 912.5  | 319.2 | 260.8 | 278.7 | 311.1 | 303.0 | 286.7 | 162.5° | 0.0 |
| 2794.0 | 2610.7 | 2462.3 | 2260.0 | 981.7  | 307.5 | 242.7 | 264.3 | 303.0 | 302.1 | 281.4 | 165°   | 0.0 |
| 3038.6 | 2874.9 | 2684.3 | 2478.5 | 1077.9 | 294.0 | 226.6 | 253.5 | 295.7 | 298.5 | 275.1 | 167.5° | 0.0 |
| 3454.8 | 3285.7 | 3055.7 | 2859.7 | 1268.5 | 276.0 | 216.7 | 242.7 | 284.1 | 291.2 | 269.6 | 170°   | 0.0 |
| 4129.9 | 3899.8 | 3688.6 | 3505.1 | 1594.8 | 250.8 | 209.5 | 231.1 | 271.5 | 282.2 | 265.1 | 172.5° | 0.0 |
| 4903.9 | 4679.2 | 4423.9 | 4115.5 | 1776.4 | 227.4 | 199.6 | 216.7 | 258.9 | 273.3 | 260.8 | 175°   | 0.0 |
| 5232.9 | 4939.0 | 4628.9 | 4262.9 | 1602.9 | 208.6 | 188.7 | 203.2 | 244.5 | 260.8 | 254.4 | 177.5° | 0.0 |
| 5081.9 | 4784.3 | 4423.9 | 4065.2 | 1394.3 | 198.7 | 182.5 | 196.0 | 233.7 | 252.6 | 248.2 | 180°   | 0.0 |
| 4819.4 | 4520.1 | 4198.2 | 3767.6 | 1245.1 | 193.2 | 178.0 | 191.5 | 229.2 | 248.2 | 244.5 |        |     |
| 3811.7 | 3544.6 | 3248.0 | 2919.9 | 848.6  | 175.3 | 163.6 | 178.0 | 211.2 | 231.9 | 231.1 |        |     |
| 2020.0 | 1941.8 | 1722.4 | 1530.0 | 439.6  | 156.4 | 148.3 | 162.8 | 195.1 | 216.7 | 216.7 |        |     |
| 727.3  | 659.8  | 631.1  | 524.1  | 233.7  | 136.7 | 133.1 | 143.8 | 177.1 | 197.7 | 196.9 |        |     |
| 275.1  | 267.9  | 240.0  | 224.7  | 148.3  | 111.5 | 112.4 | 123.2 | 155.5 | 175.3 | 174.4 |        |     |
| 155.5  | 141.2  | 136.7  | 132.2  | 94.4   | 88.1  | 92.6  | 103.4 | 133.1 | 150.2 | 152.8 |        |     |
| 74.6   | 69.3   | 67.4   | 62.9   | 62.0   | 67.4  | 72.8  | 81.8  | 106.1 | 126.7 | 124.1 |        |     |
| 36.0   | 34.2   | 33.2   | 32.3   | 44.1   | 43.2  | 53.0  | 56.7  | 71.0  | 100.7 | 90.8  |        |     |
| 11.7   | 11.7   | 10.7   | 9.0    | 12.6   | 14.4  | 17.1  | 24.2  | 29.7  | 58.4  | 47.7  |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |

'226285  
 ISW-AF-1000-LED-E1-T2

REPORT NUMBER: P226285  
 CATALOG NUMBER: ISW-AF-1000-LED-E1-T2

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |        | 165°  | 175°  |
|-----|-----|-----|-----|------|------|------|------|------|------|--------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     | 861.2 | 861.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 792.9 | 780.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 662.6 | 660.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 580.7 | 569.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 553.7 | 552.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 565.5 | 568.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 580.7 | 586.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 590.7 | 600.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 587.9 | 599.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 558.2 | 563.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 505.2 | 507.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 441.4 | 439.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 396.5 | 384.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 375.7 | 368.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 361.4 | 349.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 374.9 | 374.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 387.5 | 385.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 365.9 | 349.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 326.3 | 307.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 299.3 | 288.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 286.7 | 283.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 283.2 | 292.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 281.4 | 291.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 268.8 | 285.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 259.8 | 280.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 254.4 | 277.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 249.9 | 279.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 242.7 | 285.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 69°    | 239.2 | 284.1 |
|     |     |     |     |      |      |      |      |      |      | 70°    | 235.5 | 281.4 |
|     |     |     |     |      |      |      |      |      |      | 72.5°  | 222.9 | 259.8 |
|     |     |     |     |      |      |      |      |      |      | 75°    | 207.7 | 229.2 |
|     |     |     |     |      |      |      |      |      |      | 77.5°  | 187.9 | 196.9 |
|     |     |     |     |      |      |      |      |      |      | 80°    | 166.3 | 171.8 |
|     |     |     |     |      |      |      |      |      |      | 82.5°  | 144.7 | 165.4 |
|     |     |     |     |      |      |      |      |      |      | 85°    | 113.2 | 140.2 |
|     |     |     |     |      |      |      |      |      |      | 87.5°  | 83.6  | 77.3  |
|     |     |     |     |      |      |      |      |      |      | 90°    | 47.7  | 35.1  |
|     |     |     |     |      |      |      |      |      |      | 92.5°  | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 95°    | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 97.5°  | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 100°   | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 102.5° | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 105°   | 0.0   | 0.0   |
|     |     |     |     |      |      |      |      |      |      | 107.5° | 0.0   | 0.0   |



REPORT NUMBER: P226285

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-T2

**tinued):**

| 180°  |
|-------|
| 861.2 |
| 783.0 |
| 655.4 |
| 570.0 |
| 555.6 |
| 566.3 |
| 587.9 |
| 604.2 |
| 602.3 |
| 568.1 |
| 508.8 |
| 446.8 |
| 393.7 |
| 376.7 |
| 355.1 |
| 378.5 |
| 389.2 |
| 353.3 |
| 307.5 |
| 286.7 |
| 281.4 |
| 294.8 |
| 290.4 |
| 286.7 |
| 281.4 |
| 276.9 |
| 276.0 |
| 277.8 |
| 274.2 |
| 269.6 |
| 242.7 |
| 218.5 |
| 196.9 |
| 173.5 |
| 146.5 |
| 109.7 |
| 83.6  |
| 29.7  |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 175° | 180° |
|--------|------|------|------|
| 110°   | 0.0  | 0.0  | 0.0  |
| 112.5° | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  |

(END OF F

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

