

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: P226288

Luminaire Tested: **ISW-AF-1000-LED-E1-T2-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226288  
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-T2-7060  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6053.7 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

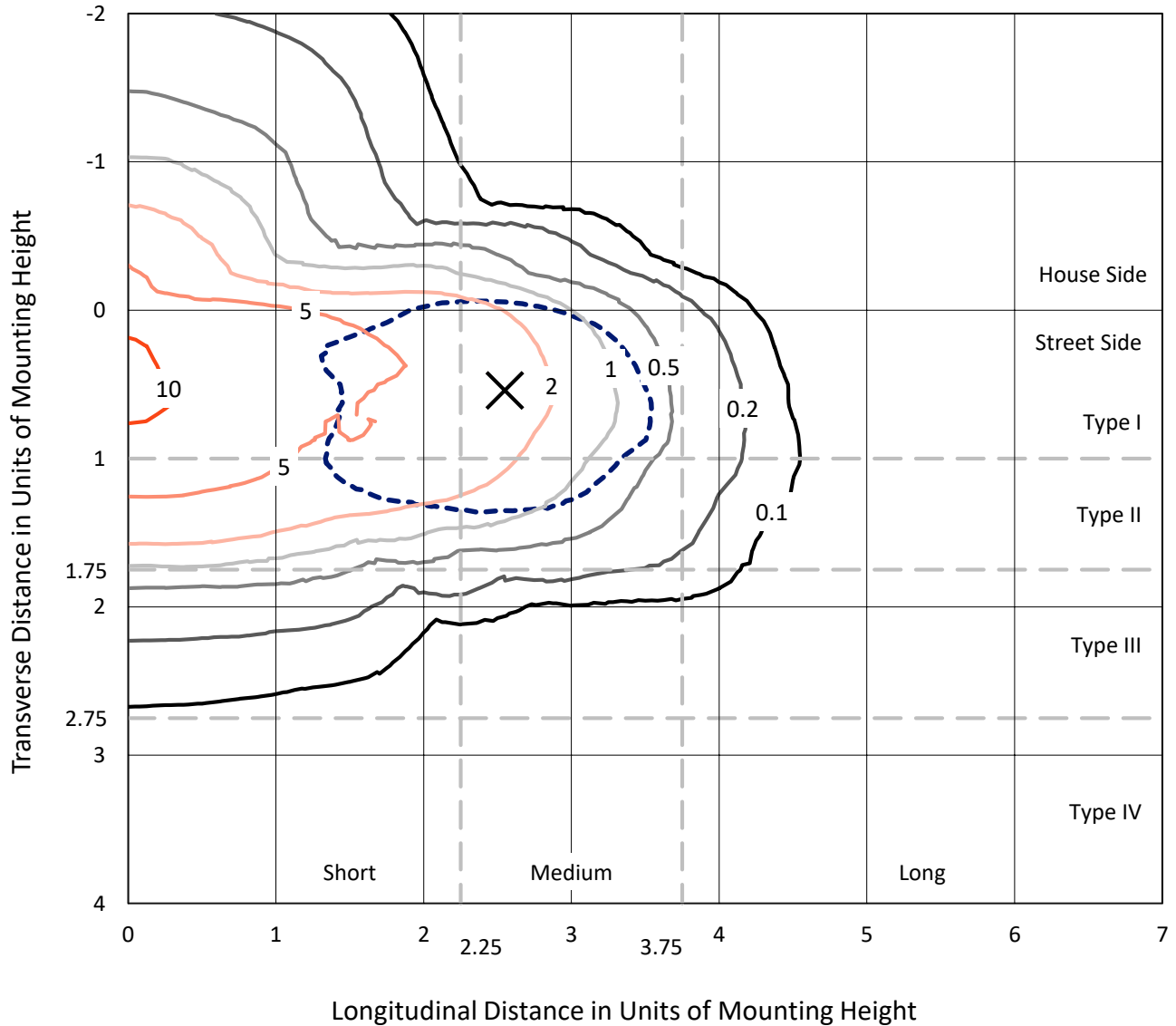
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

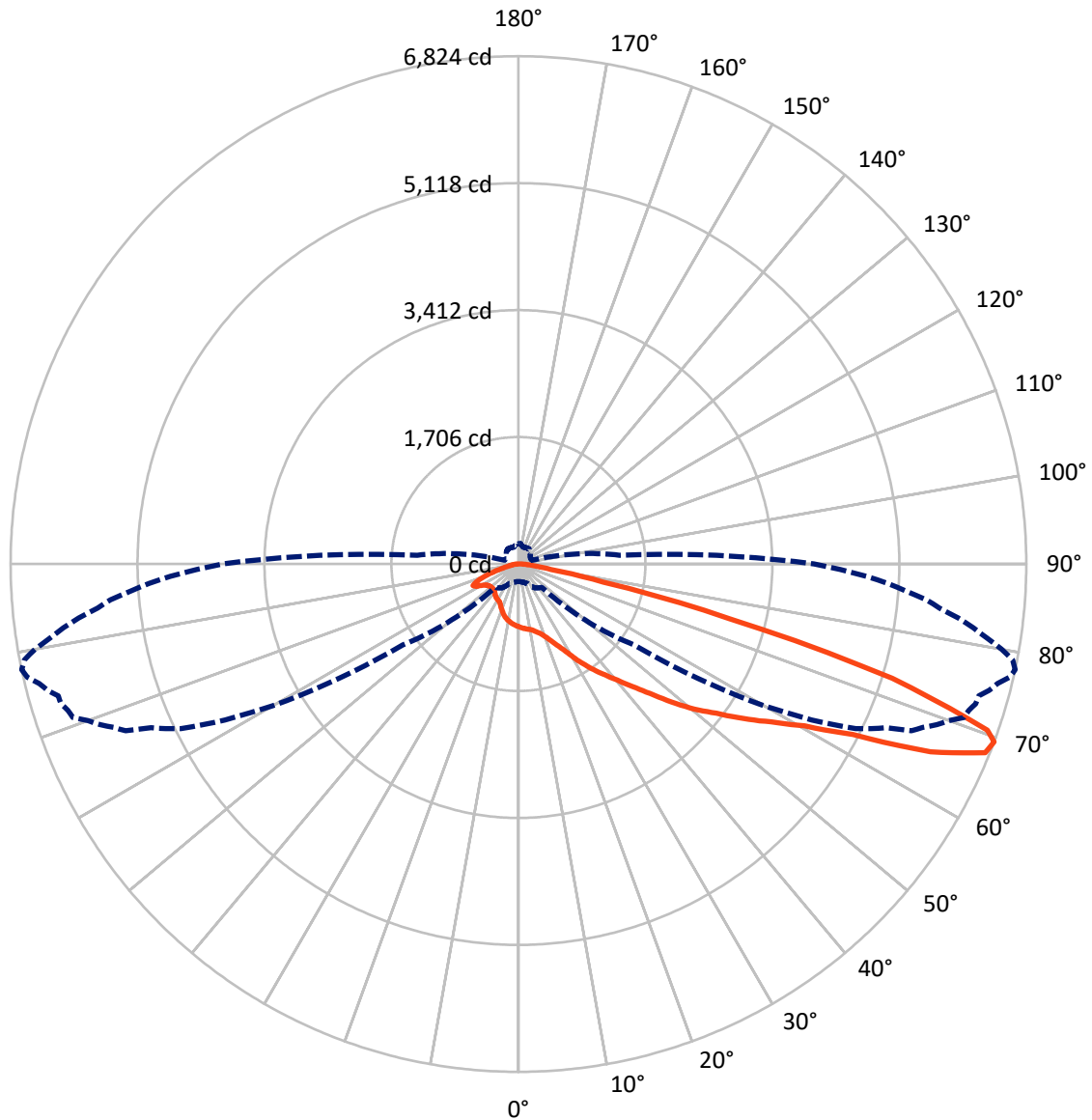
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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    | 1106.8   | 2.1    | 1109.0 |
|                    | % Fixture | 18.3     | 0.0    | 18.3   |
| <b>Street Side</b> | Lumens    | 4943.8   | 1.0    | 4944.8 |
|                    | % Fixture | 81.7     | 0.0    | 81.7   |
| <b>Total</b>       | Lumens    | 6050.6   | 3.1    | 6053.7 |
|                    | % Fixture | 99.9     | 0.1    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.2   | 1.3       |
| 10°-20°   | 236.1  | 3.9       |
| 20°-30°   | 423.2  | 7.0       |
| 30°-40°   | 690.8  | 11.4      |
| 40°-50°   | 1021.7 | 16.9      |
| 50°-60°   | 1334.2 | 22.0      |
| 60°-70°   | 1492.1 | 24.6      |
| 70°-80°   | 669.9  | 11.1      |
| 80°-90°   | 104.5  | 1.7       |
| 90°-100°  | 3.1    | 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°    | 6050.6 | 99.9      |
| 0°-180°   | 6053.7 | 100.0     |



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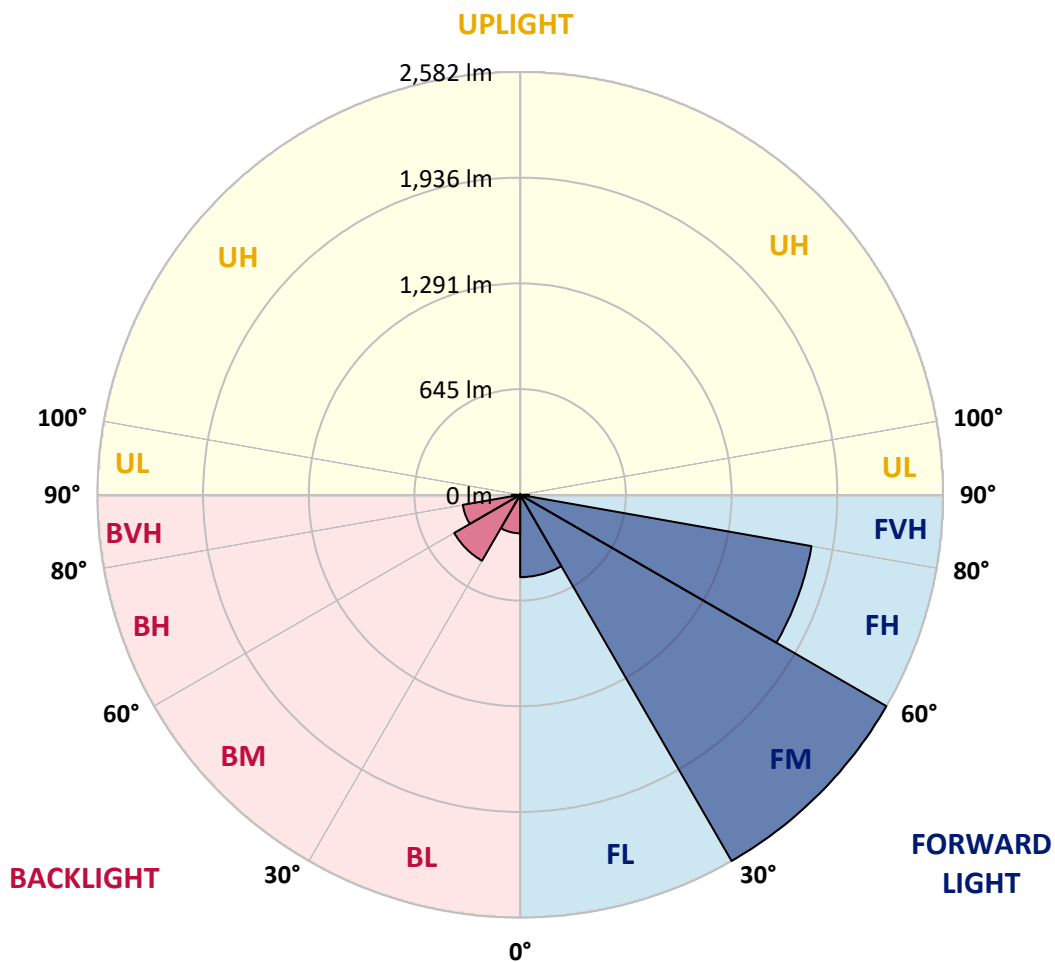
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 502.5  | 8.3       |                         |       |         |
| FM   | (30°-60°)   | 2581.7 | 42.6      |                         |       |         |
| FH   | (60°-80°)   | 1806.3 | 29.8      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 53.3   | 0.9       |                         |       | G1/100  |
| BL   | (0°-30°)    | 234.9  | 3.9       | B1/500                  |       |         |
| BM   | (30°-60°)   | 465.1  | 7.7       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 355.7  | 5.9       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 51.1   | 0.8       |                         |       | G1/100  |
| UL   | (90°-100°)  | 3.1    | 0.1       |                         | U1/10 |         |
| UH   | (100°-180°) | 2.1    | 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°     | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  |
| 2.5°   | 901.7  | 901.7  | 899.0  | 897.3  | 894.6  | 887.6  | 877.1  | 875.3  | 874.4  | 872.7  | 870.9  |
| 5°     | 967.6  | 960.5  | 962.3  | 957.9  | 948.2  | 935.9  | 916.6  | 906.9  | 901.7  | 900.8  | 897.3  |
| 7.5°   | 1021.2 | 1022.1 | 1019.4 | 1010.6 | 997.4  | 982.5  | 956.1  | 941.2  | 936.8  | 934.2  | 928.0  |
| 10°    | 1059.8 | 1057.2 | 1055.4 | 1053.7 | 1043.1 | 1030.8 | 997.4  | 979.0  | 975.5  | 968.4  | 961.4  |
| 12.5°  | 1088.0 | 1088.0 | 1088.0 | 1086.2 | 1080.1 | 1070.4 | 1044.0 | 1025.6 | 1021.2 | 1011.5 | 1005.4 |
| 15°    | 1118.7 | 1115.2 | 1111.7 | 1109.1 | 1109.9 | 1109.9 | 1090.6 | 1076.5 | 1069.5 | 1064.2 | 1051.9 |
| 17.5°  | 1184.6 | 1176.7 | 1168.8 | 1158.3 | 1141.6 | 1137.2 | 1136.3 | 1135.4 | 1125.8 | 1124.9 | 1112.6 |
| 20°    | 1240.9 | 1233.8 | 1226.8 | 1216.3 | 1192.5 | 1167.1 | 1180.2 | 1192.5 | 1190.8 | 1191.7 | 1185.5 |
| 22.5°  | 1310.3 | 1305.0 | 1291.0 | 1278.7 | 1247.9 | 1217.2 | 1218.9 | 1245.3 | 1248.8 | 1252.3 | 1254.1 |
| 25°    | 1405.2 | 1402.6 | 1379.7 | 1356.0 | 1320.9 | 1291.8 | 1264.6 | 1297.1 | 1304.2 | 1312.1 | 1327.9 |
| 27.5°  | 1501.0 | 1494.9 | 1470.2 | 1449.2 | 1405.2 | 1374.5 | 1336.7 | 1354.2 | 1364.8 | 1379.7 | 1404.3 |
| 30°    | 1624.9 | 1608.2 | 1599.4 | 1552.0 | 1511.6 | 1466.7 | 1434.2 | 1439.5 | 1437.7 | 1455.3 | 1493.1 |
| 32.5°  | 1804.2 | 1777.8 | 1733.9 | 1686.4 | 1639.0 | 1579.2 | 1552.0 | 1551.1 | 1546.7 | 1566.9 | 1588.0 |
| 35°    | 1900.9 | 1894.7 | 1867.5 | 1820.0 | 1768.2 | 1711.9 | 1694.3 | 1677.6 | 1680.3 | 1690.8 | 1698.7 |
| 37.5°  | 2005.4 | 2000.2 | 1979.1 | 1952.7 | 1913.2 | 1943.9 | 1846.4 | 1821.8 | 1810.3 | 1805.1 | 1807.7 |
| 40°    | 2051.1 | 2055.5 | 2067.0 | 2071.4 | 2048.5 | 2196.1 | 2003.7 | 1922.8 | 1919.3 | 1911.4 | 1903.5 |
| 42.5°  | 2060.8 | 2072.2 | 2095.1 | 2145.2 | 2167.1 | 2488.8 | 2133.7 | 2036.2 | 2022.1 | 2016.0 | 2016.9 |
| 45°    | 2096.0 | 2113.5 | 2117.9 | 2163.6 | 2267.3 | 2503.7 | 2280.5 | 2136.4 | 2125.8 | 2125.0 | 2119.7 |
| 47.5°  | 2181.2 | 2204.9 | 2204.9 | 2225.1 | 2323.6 | 2532.7 | 2330.6 | 2236.6 | 2229.5 | 2226.0 | 2240.1 |
| 50°    | 2193.5 | 2225.1 | 2288.4 | 2353.5 | 2424.6 | 2556.5 | 2387.7 | 2345.5 | 2348.2 | 2356.1 | 2397.4 |
| 52.5°  | 1985.2 | 2016.9 | 2183.8 | 2375.4 | 2607.4 | 2621.5 | 2473.8 | 2490.5 | 2508.1 | 2546.8 | 2622.4 |
| 55°    | 1702.3 | 1725.1 | 1922.8 | 2229.5 | 2614.5 | 2868.4 | 2690.0 | 2736.6 | 2773.5 | 2784.9 | 2903.6 |
| 57.5°  | 1340.2 | 1371.8 | 1573.1 | 1971.2 | 2441.3 | 2938.7 | 3187.4 | 3208.5 | 3167.2 | 3205.0 | 3248.1 |
| 60°    | 725.9  | 722.4  | 1002.7 | 1425.4 | 2077.5 | 2808.7 | 3667.3 | 4029.3 | 4038.1 | 4096.1 | 4026.7 |
| 62.5°  | 406.0  | 406.0  | 486.9  | 732.0  | 1336.7 | 2376.3 | 3897.5 | 4739.4 | 4849.3 | 4941.5 | 5144.5 |
| 65°    | 306.7  | 309.3  | 338.3  | 441.2  | 750.5  | 1500.1 | 3728.8 | 4982.0 | 5192.9 | 5404.7 | 5760.6 |
| 67.5°  | 254.9  | 254.9  | 275.9  | 328.7  | 469.3  | 681.1  | 2745.4 | 4495.1 | 4758.8 | 5011.8 | 5504.0 |
| 69°    | 236.4  | 237.3  | 253.1  | 289.1  | 392.8  | 442.9  | 1896.5 | 3811.4 | 4112.8 | 4463.5 | 5043.5 |
| 70°    | 227.6  | 225.0  | 239.9  | 269.8  | 355.9  | 349.8  | 1389.4 | 3314.0 | 3547.8 | 3862.4 | 4529.4 |
| 72.5°  | 202.1  | 199.5  | 207.4  | 230.2  | 280.3  | 249.6  | 566.8  | 1783.1 | 2135.5 | 2487.9 | 3019.6 |
| 75°    | 180.2  | 177.5  | 183.7  | 194.2  | 217.9  | 190.7  | 284.7  | 747.0  | 904.3  | 1168.8 | 1612.6 |
| 77.5°  | 159.1  | 153.8  | 159.1  | 166.1  | 171.4  | 142.4  | 193.3  | 345.4  | 423.6  | 520.3  | 734.7  |
| 80°    | 144.1  | 138.9  | 145.0  | 141.5  | 134.5  | 109.9  | 128.3  | 201.2  | 223.2  | 267.2  | 349.8  |
| 82.5°  | 102.8  | 101.9  | 138.0  | 142.4  | 107.2  | 80.0   | 91.4   | 129.2  | 144.1  | 152.0  | 184.5  |
| 85°    | 63.3   | 60.6   | 80.0   | 101.9  | 109.0  | 50.1   | 58.9   | 76.5   | 80.0   | 87.0   | 102.8  |
| 87.5°  | 32.5   | 33.4   | 43.1   | 52.7   | 71.2   | 29.9   | 35.2   | 44.8   | 44.8   | 44.8   | 51.0   |
| 90°    | 7.9    | 9.7    | 13.2   | 18.5   | 14.9   | 7.9    | 13.2   | 10.5   | 12.3   | 10.5   | 12.3   |
| 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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**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-T2-7060

**CANDELA DISTRIBUTION (continued):**

|        | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  |
| 2.5°   | 871.8  | 869.1  | 865.6  | 866.5  | 864.7  | 862.1  | 863.0  | 862.1  | 863.0  | 861.2  | 859.5  |
| 5°     | 897.3  | 895.5  | 890.2  | 889.4  | 887.6  | 885.8  | 883.2  | 880.6  | 879.7  | 877.9  | 874.4  |
| 7.5°   | 926.3  | 921.0  | 918.4  | 914.8  | 910.4  | 903.4  | 902.5  | 899.0  | 896.4  | 894.6  | 890.2  |
| 10°    | 956.1  | 950.0  | 946.5  | 942.1  | 937.7  | 933.3  | 928.9  | 922.7  | 916.6  | 914.8  | 909.6  |
| 12.5°  | 1001.0 | 993.1  | 986.0  | 979.0  | 974.6  | 966.7  | 960.5  | 952.6  | 946.5  | 943.8  | 935.1  |
| 15°    | 1050.2 | 1039.6 | 1032.6 | 1027.3 | 1020.3 | 1013.3 | 1005.4 | 998.3  | 988.7  | 980.8  | 972.8  |
| 17.5°  | 1108.2 | 1098.5 | 1093.2 | 1083.6 | 1074.8 | 1066.9 | 1060.7 | 1051.9 | 1044.0 | 1030.0 | 1022.9 |
| 20°    | 1184.6 | 1176.7 | 1170.6 | 1160.0 | 1150.4 | 1142.5 | 1137.2 | 1118.7 | 1108.2 | 1095.9 | 1084.5 |
| 22.5°  | 1255.8 | 1256.7 | 1250.5 | 1243.5 | 1237.4 | 1226.8 | 1218.0 | 1204.8 | 1191.7 | 1176.7 | 1160.9 |
| 25°    | 1333.2 | 1340.2 | 1341.1 | 1339.3 | 1335.8 | 1323.5 | 1319.1 | 1305.9 | 1295.4 | 1270.8 | 1263.7 |
| 27.5°  | 1419.3 | 1427.2 | 1436.9 | 1449.2 | 1451.8 | 1438.6 | 1444.8 | 1431.6 | 1413.1 | 1402.6 | 1379.7 |
| 30°    | 1502.8 | 1524.7 | 1544.9 | 1559.0 | 1567.8 | 1573.9 | 1569.6 | 1565.2 | 1552.9 | 1535.3 | 1515.1 |
| 32.5°  | 1610.0 | 1632.8 | 1653.0 | 1683.8 | 1699.6 | 1719.0 | 1715.4 | 1717.2 | 1712.8 | 1695.2 | 1671.5 |
| 35°    | 1718.1 | 1738.3 | 1764.6 | 1784.9 | 1823.5 | 1844.6 | 1862.2 | 1861.3 | 1861.3 | 1850.8 | 1827.9 |
| 37.5°  | 1813.9 | 1825.3 | 1847.3 | 1880.7 | 1906.1 | 1939.5 | 1967.7 | 1979.1 | 1997.5 | 1998.4 | 1973.8 |
| 40°    | 1914.0 | 1925.5 | 1942.2 | 1966.8 | 1994.9 | 2034.4 | 2072.2 | 2109.1 | 2126.7 | 2145.2 | 2135.5 |
| 42.5°  | 2022.1 | 2034.4 | 2046.7 | 2062.6 | 2103.0 | 2133.7 | 2184.7 | 2234.8 | 2270.8 | 2308.6 | 2304.2 |
| 45°    | 2129.4 | 2143.4 | 2161.0 | 2184.7 | 2220.8 | 2270.8 | 2320.1 | 2376.3 | 2458.9 | 2503.7 | 2534.5 |
| 47.5°  | 2250.6 | 2273.5 | 2306.0 | 2343.8 | 2372.8 | 2424.6 | 2487.0 | 2574.0 | 2657.5 | 2734.9 | 2783.2 |
| 50°    | 2433.4 | 2442.2 | 2494.9 | 2531.8 | 2587.2 | 2639.9 | 2702.3 | 2778.8 | 2886.9 | 2966.0 | 3043.3 |
| 52.5°  | 2648.7 | 2682.1 | 2734.9 | 2777.0 | 2821.0 | 2873.7 | 2937.9 | 3006.4 | 3113.6 | 3202.4 | 3302.6 |
| 55°    | 2926.4 | 2973.9 | 3019.6 | 3042.4 | 3104.0 | 3151.4 | 3203.3 | 3270.9 | 3386.1 | 3482.7 | 3600.5 |
| 57.5°  | 3257.7 | 3305.2 | 3327.2 | 3360.6 | 3386.9 | 3439.7 | 3510.0 | 3555.7 | 3657.6 | 3757.8 | 3882.6 |
| 60°    | 3937.9 | 3908.1 | 3934.4 | 3882.6 | 3874.7 | 3879.1 | 3894.0 | 3929.2 | 3986.3 | 4079.4 | 4211.3 |
| 62.5°  | 5165.6 | 5122.6 | 5008.3 | 4967.0 | 4887.1 | 4779.0 | 4677.0 | 4663.0 | 4633.1 | 4703.4 | 4786.0 |
| 65°    | 5882.7 | 6039.2 | 6055.9 | 6099.8 | 6068.2 | 5983.8 | 5864.3 | 5825.6 | 5729.0 | 5661.3 | 5656.9 |
| 67.5°  | 5710.5 | 5945.1 | 6091.9 | 6277.3 | 6380.2 | 6480.3 | 6506.7 | 6541.0 | 6478.6 | 6447.8 | 6456.6 |
| 69°    | 5231.6 | 5405.6 | 5734.2 | 5860.8 | 6023.4 | 6156.9 | 6332.7 | 6363.5 | 6424.1 | 6432.9 | 6549.8 |
| 70°    | 4757.0 | 5012.7 | 5200.8 | 5390.6 | 5615.6 | 5762.4 | 5841.4 | 5971.5 | 6121.8 | 6195.6 | 6322.2 |
| 72.5°  | 3420.3 | 3503.8 | 3637.4 | 3883.5 | 3945.9 | 4097.9 | 4253.4 | 4364.2 | 4540.8 | 4665.6 | 4963.5 |
| 75°    | 1845.5 | 1895.6 | 2105.6 | 2245.4 | 2282.3 | 2332.4 | 2446.6 | 2473.8 | 2539.8 | 2580.2 | 2866.7 |
| 77.5°  | 842.8  | 919.2  | 946.5  | 1022.9 | 979.9  | 1001.0 | 1028.2 | 1022.1 | 1040.5 | 1128.4 | 1228.6 |
| 80°    | 388.4  | 403.4  | 413.9  | 445.6  | 447.3  | 440.3  | 442.9  | 438.5  | 435.0  | 449.1  | 459.6  |
| 82.5°  | 188.9  | 211.8  | 211.8  | 231.1  | 240.8  | 238.2  | 243.4  | 241.7  | 245.2  | 241.7  | 253.1  |
| 85°    | 110.7  | 110.7  | 119.5  | 130.1  | 128.3  | 131.8  | 131.8  | 138.9  | 139.7  | 141.5  | 141.5  |
| 87.5°  | 51.8   | 57.1   | 59.8   | 64.2   | 65.9   | 68.5   | 70.3   | 70.3   | 71.2   | 69.4   | 71.2   |
| 90°    | 13.2   | 13.2   | 22.0   | 22.0   | 23.7   | 26.4   | 22.8   | 24.6   | 30.8   | 22.8   | 29.0   |
| 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: P226288

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-7060

**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: P226288

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-7060

**CANDELA DISTRIBUTION (continued):**

|        | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9  |
| 2.5°   | 857.7  | 859.5  | 858.6  | 855.1  | 854.2  | 854.2  | 852.4  | 851.6  | 849.8  | 848.9  | 850.7  |
| 5°     | 873.5  | 873.5  | 870.9  | 867.4  | 863.9  | 863.0  | 862.1  | 857.7  | 856.0  | 854.2  | 852.4  |
| 7.5°   | 888.5  | 886.7  | 883.2  | 877.1  | 873.5  | 872.7  | 869.1  | 864.7  | 860.4  | 856.8  | 855.1  |
| 10°    | 904.3  | 902.5  | 895.5  | 891.1  | 884.1  | 883.2  | 877.1  | 871.8  | 867.4  | 863.0  | 859.5  |
| 12.5°  | 927.1  | 925.4  | 917.5  | 906.9  | 901.7  | 898.1  | 890.2  | 884.1  | 877.9  | 872.7  | 866.5  |
| 15°    | 962.3  | 955.3  | 950.0  | 939.4  | 931.5  | 924.5  | 914.8  | 906.1  | 897.3  | 888.5  | 883.2  |
| 17.5°  | 1011.5 | 1001.8 | 987.8  | 981.6  | 971.1  | 959.7  | 946.5  | 940.3  | 928.9  | 918.4  | 907.8  |
| 20°    | 1075.7 | 1066.0 | 1044.0 | 1036.1 | 1021.2 | 1004.5 | 993.9  | 980.8  | 971.1  | 954.4  | 943.0  |
| 22.5°  | 1146.8 | 1138.1 | 1117.0 | 1095.9 | 1081.8 | 1068.6 | 1051.9 | 1035.2 | 1016.8 | 1001.0 | 988.7  |
| 25°    | 1239.1 | 1225.9 | 1207.5 | 1186.4 | 1165.3 | 1146.8 | 1124.0 | 1100.3 | 1084.5 | 1062.5 | 1044.9 |
| 27.5°  | 1364.8 | 1341.9 | 1311.2 | 1288.3 | 1271.6 | 1243.5 | 1215.4 | 1194.3 | 1169.7 | 1140.7 | 1121.4 |
| 30°    | 1501.0 | 1475.5 | 1452.7 | 1426.3 | 1398.2 | 1370.9 | 1332.3 | 1301.5 | 1275.2 | 1244.4 | 1212.8 |
| 32.5°  | 1652.2 | 1630.2 | 1597.7 | 1563.4 | 1532.6 | 1498.4 | 1470.2 | 1437.7 | 1392.0 | 1359.5 | 1326.1 |
| 35°    | 1804.2 | 1778.7 | 1745.3 | 1716.3 | 1681.2 | 1646.0 | 1614.4 | 1571.3 | 1530.0 | 1483.4 | 1436.9 |
| 37.5°  | 1951.0 | 1929.0 | 1892.1 | 1848.1 | 1817.4 | 1779.6 | 1747.1 | 1701.4 | 1652.2 | 1600.3 | 1565.2 |
| 40°    | 2114.4 | 2079.3 | 2053.8 | 2002.8 | 1971.2 | 1929.0 | 1882.4 | 1847.3 | 1799.8 | 1743.6 | 1693.5 |
| 42.5°  | 2301.6 | 2277.0 | 2249.8 | 2208.4 | 2175.1 | 2125.0 | 2066.1 | 2021.3 | 1977.3 | 1910.5 | 1841.1 |
| 45°    | 2538.9 | 2523.1 | 2478.2 | 2444.8 | 2400.0 | 2347.3 | 2296.3 | 2241.8 | 2172.4 | 2095.1 | 2031.8 |
| 47.5°  | 2823.6 | 2811.3 | 2770.9 | 2723.4 | 2664.5 | 2593.4 | 2545.9 | 2471.2 | 2412.3 | 2315.7 | 2240.1 |
| 50°    | 3082.0 | 3088.1 | 3066.2 | 2993.2 | 2940.5 | 2869.3 | 2794.6 | 2729.6 | 2639.1 | 2538.9 | 2442.2 |
| 52.5°  | 3390.4 | 3384.3 | 3328.9 | 3288.5 | 3226.1 | 3140.0 | 3058.3 | 2974.8 | 2875.5 | 2771.8 | 2651.4 |
| 55°    | 3685.7 | 3704.2 | 3665.5 | 3608.4 | 3532.8 | 3412.4 | 3329.8 | 3221.7 | 3117.1 | 3002.9 | 2864.0 |
| 57.5°  | 3972.2 | 4031.1 | 4001.2 | 3933.6 | 3856.2 | 3769.2 | 3660.2 | 3539.0 | 3430.9 | 3281.5 | 3125.0 |
| 60°    | 4329.0 | 4407.2 | 4419.5 | 4375.6 | 4291.2 | 4190.2 | 4046.9 | 3952.0 | 3803.5 | 3665.5 | 3545.1 |
| 62.5°  | 4878.3 | 5055.8 | 5045.2 | 5066.3 | 5006.6 | 4944.2 | 4776.3 | 4674.4 | 4481.0 | 4381.7 | 4213.9 |
| 65°    | 5795.7 | 5926.7 | 6084.0 | 6078.7 | 6037.4 | 5888.0 | 5714.0 | 5543.5 | 5416.1 | 5220.1 | 5045.2 |
| 67.5°  | 6565.6 | 6673.7 | 6766.8 | 6718.5 | 6623.6 | 6455.7 | 6251.8 | 6014.6 | 5820.4 | 5604.2 | 5374.8 |
| 69°    | 6637.6 | 6769.5 | 6824.0 | 6764.2 | 6593.7 | 6374.9 | 6175.4 | 5954.8 | 5687.7 | 5502.2 | 5222.8 |
| 70°    | 6444.3 | 6574.4 | 6684.2 | 6530.4 | 6374.0 | 6160.5 | 5942.5 | 5713.1 | 5474.1 | 5274.6 | 4992.5 |
| 72.5°  | 5119.1 | 5265.8 | 5250.9 | 5234.2 | 5109.4 | 4895.8 | 4695.5 | 4572.4 | 4404.6 | 4163.8 | 3959.9 |
| 75°    | 2976.5 | 3044.2 | 2925.6 | 3050.3 | 2900.9 | 2685.6 | 2713.8 | 2574.9 | 2451.9 | 2313.0 | 2205.8 |
| 77.5°  | 1168.8 | 1228.6 | 1166.2 | 1146.0 | 1079.2 | 1064.2 | 952.6  | 965.8  | 910.4  | 801.5  | 751.4  |
| 80°    | 442.9  | 450.8  | 440.3  | 418.3  | 413.9  | 388.4  | 381.4  | 356.8  | 345.4  | 309.3  | 296.2  |
| 82.5°  | 238.2  | 242.6  | 235.5  | 228.5  | 223.2  | 208.3  | 198.6  | 180.2  | 169.6  | 158.2  | 157.3  |
| 85°    | 137.1  | 133.6  | 130.1  | 126.5  | 118.6  | 109.9  | 102.8  | 95.8   | 87.9   | 81.7   | 75.6   |
| 87.5°  | 72.1   | 72.9   | 73.8   | 70.3   | 65.0   | 58.0   | 53.6   | 51.0   | 44.8   | 42.2   | 39.5   |
| 90°    | 23.7   | 17.6   | 20.2   | 25.5   | 23.7   | 19.3   | 18.5   | 15.8   | 13.2   | 13.2   | 10.5   |
| 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: P226288  
 CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-7060

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: P226288  
 NUMBER: ISW-AF-1000-LED-E1-T2-7060

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 87°    | 88°    | 89°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 110°   | 87° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-----|
| 841.9  | 841.9  | 841.9  | 841.9  | 841.9  | 841.9 | 841.9 | 841.9 | 841.9 | 841.9 | 841.9 | 110°   | 0.0 |
| 848.1  | 848.1  | 845.4  | 843.7  | 837.5  | 827.0 | 816.4 | 806.7 | 793.6 | 788.3 | 781.3 | 112.5° | 0.0 |
| 850.7  | 848.9  | 846.3  | 842.8  | 830.5  | 805.9 | 780.4 | 753.1 | 725.0 | 699.5 | 669.7 | 115°   | 0.0 |
| 852.4  | 848.9  | 845.4  | 841.0  | 823.4  | 785.7 | 734.7 | 681.1 | 631.0 | 593.2 | 577.4 | 117.5° | 0.0 |
| 853.3  | 850.7  | 846.3  | 840.1  | 815.5  | 759.3 | 677.6 | 600.2 | 556.3 | 541.3 | 538.7 | 120°   | 0.0 |
| 863.0  | 858.6  | 851.6  | 844.5  | 812.0  | 730.3 | 613.4 | 539.6 | 522.0 | 529.0 | 541.3 | 122.5° | 0.0 |
| 875.3  | 870.0  | 861.2  | 854.2  | 810.3  | 692.5 | 551.0 | 505.3 | 511.5 | 530.8 | 551.0 | 125°   | 0.0 |
| 897.3  | 888.5  | 878.8  | 871.8  | 813.8  | 645.9 | 500.9 | 487.7 | 506.2 | 530.8 | 558.0 | 127.5° | 0.0 |
| 929.8  | 917.5  | 906.1  | 893.7  | 819.1  | 587.9 | 471.0 | 476.3 | 498.3 | 524.6 | 554.5 | 130°   | 0.0 |
| 970.2  | 956.1  | 940.3  | 921.9  | 825.2  | 537.8 | 454.3 | 464.0 | 484.2 | 507.1 | 531.7 | 132.5° | 0.0 |
| 1024.7 | 1005.4 | 985.1  | 962.3  | 834.0  | 483.3 | 439.4 | 450.0 | 462.3 | 475.4 | 487.7 | 135°   | 0.0 |
| 1093.2 | 1066.9 | 1044.9 | 1014.1 | 842.8  | 446.4 | 427.1 | 430.6 | 433.3 | 435.0 | 434.1 | 137.5° | 0.0 |
| 1184.6 | 1144.2 | 1118.7 | 1080.9 | 852.4  | 427.1 | 413.0 | 408.6 | 404.3 | 398.1 | 391.1 | 140°   | 0.0 |
| 1281.3 | 1247.9 | 1207.5 | 1159.1 | 858.6  | 413.9 | 399.9 | 385.8 | 373.5 | 367.3 | 367.3 | 142.5° | 0.0 |
| 1393.8 | 1352.5 | 1301.5 | 1240.9 | 850.7  | 399.9 | 382.3 | 363.8 | 356.8 | 364.7 | 362.1 | 145°   | 0.0 |
| 1506.3 | 1449.2 | 1392.9 | 1323.5 | 831.4  | 384.0 | 362.9 | 353.3 | 358.6 | 348.0 | 341.9 | 147.5° | 0.0 |
| 1630.2 | 1566.9 | 1488.7 | 1407.9 | 803.2  | 367.3 | 353.3 | 358.6 | 340.1 | 327.8 | 333.1 | 150°   | 0.0 |
| 1769.0 | 1694.3 | 1610.0 | 1500.1 | 784.8  | 356.8 | 338.3 | 342.7 | 326.9 | 318.1 | 315.5 | 152.5° | 0.0 |
| 1958.0 | 1851.7 | 1748.8 | 1619.6 | 798.8  | 340.1 | 309.3 | 326.9 | 318.1 | 310.2 | 303.2 | 155°   | 0.0 |
| 2143.4 | 2030.0 | 1908.8 | 1756.7 | 823.4  | 327.8 | 286.5 | 310.2 | 316.4 | 303.2 | 290.0 | 157.5° | 0.0 |
| 2329.7 | 2209.3 | 2067.8 | 1898.2 | 853.3  | 319.9 | 268.9 | 290.0 | 312.0 | 296.2 | 285.6 | 160°   | 0.0 |
| 2525.7 | 2373.7 | 2228.7 | 2045.9 | 892.0  | 312.0 | 254.9 | 272.4 | 304.1 | 296.2 | 280.3 | 162.5° | 0.0 |
| 2731.3 | 2552.1 | 2407.1 | 2209.3 | 959.7  | 300.6 | 237.3 | 258.4 | 296.2 | 295.3 | 275.1 | 165°   | 0.0 |
| 2970.4 | 2810.4 | 2624.1 | 2422.9 | 1053.7 | 287.4 | 221.5 | 247.8 | 289.1 | 291.8 | 268.9 | 167.5° | 0.0 |
| 3377.3 | 3212.0 | 2987.1 | 2795.5 | 1240.0 | 269.8 | 211.8 | 237.3 | 277.7 | 284.7 | 263.6 | 170°   | 0.0 |
| 4037.2 | 3812.3 | 3605.8 | 3426.5 | 1559.0 | 245.2 | 204.8 | 225.9 | 265.4 | 275.9 | 259.2 | 172.5° | 0.0 |
| 4793.9 | 4574.2 | 4324.6 | 4023.2 | 1736.5 | 222.3 | 195.1 | 211.8 | 253.1 | 267.2 | 254.9 | 175°   | 0.0 |
| 5115.5 | 4828.2 | 4525.0 | 4167.3 | 1566.9 | 203.9 | 184.5 | 198.6 | 239.0 | 254.9 | 248.7 | 177.5° | 0.0 |
| 4967.9 | 4677.0 | 4324.6 | 3974.0 | 1363.0 | 194.2 | 178.4 | 191.6 | 228.5 | 246.9 | 242.6 | 180°   | 0.0 |
| 4711.3 | 4418.7 | 4104.0 | 3683.1 | 1217.2 | 188.9 | 174.0 | 187.2 | 224.1 | 242.6 | 239.0 |        |     |
| 3726.2 | 3465.1 | 3175.1 | 2854.4 | 829.6  | 171.4 | 159.9 | 174.0 | 206.5 | 226.7 | 225.9 |        |     |
| 1974.7 | 1898.2 | 1683.8 | 1495.7 | 429.7  | 152.9 | 145.0 | 159.1 | 190.7 | 211.8 | 211.8 |        |     |
| 711.0  | 645.0  | 616.9  | 512.3  | 228.5  | 133.6 | 130.1 | 140.6 | 173.1 | 193.3 | 192.5 |        |     |
| 268.9  | 261.9  | 234.6  | 219.7  | 145.0  | 109.0 | 109.9 | 120.4 | 152.0 | 171.4 | 170.5 |        |     |
| 152.0  | 138.0  | 133.6  | 129.2  | 92.3   | 86.1  | 90.5  | 101.1 | 130.1 | 146.8 | 149.4 |        |     |
| 72.9   | 67.7   | 65.9   | 61.5   | 60.6   | 65.9  | 71.2  | 80.0  | 103.7 | 123.9 | 121.3 |        |     |
| 35.2   | 33.4   | 32.5   | 31.6   | 43.1   | 42.2  | 51.8  | 55.4  | 69.4  | 98.4  | 88.8  |        |     |
| 11.4   | 11.4   | 10.5   | 8.8    | 12.3   | 14.1  | 16.7  | 23.7  | 29.0  | 57.1  | 46.6  |        |     |
| 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   |        |     |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |     |

'226288  
 ISW-AF-1000-LED-E1-T2-7060

REPORT NUMBER: P226288  
 CATALOG NUMBER: ISW-AF-10

**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°     | 841.9 | 841.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 775.1 | 762.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 647.7 | 645.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 567.7 | 556.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 541.3 | 540.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 552.8 | 555.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 567.7 | 573.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 577.4 | 587.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 574.7 | 586.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 545.7 | 551.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 493.9 | 495.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 431.5 | 429.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 387.6 | 376.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 367.3 | 360.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 353.3 | 341.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 366.5 | 365.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 378.8 | 377.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 357.7 | 341.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 319.0 | 300.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 292.6 | 282.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 280.3 | 276.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 276.8 | 285.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 275.1 | 284.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 262.8 | 279.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 254.0 | 274.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 248.7 | 271.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 244.3 | 273.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 237.3 | 278.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 69°    | 233.8 | 277.7 |
|     |     |     |     |      |      |      |      |      |      | 70°    | 230.2 | 275.1 |
|     |     |     |     |      |      |      |      |      |      | 72.5°  | 217.9 | 254.0 |
|     |     |     |     |      |      |      |      |      |      | 75°    | 203.0 | 224.1 |
|     |     |     |     |      |      |      |      |      |      | 77.5°  | 183.7 | 192.5 |
|     |     |     |     |      |      |      |      |      |      | 80°    | 162.6 | 167.9 |
|     |     |     |     |      |      |      |      |      |      | 82.5°  | 141.5 | 161.7 |
|     |     |     |     |      |      |      |      |      |      | 85°    | 110.7 | 137.1 |
|     |     |     |     |      |      |      |      |      |      | 87.5°  | 81.7  | 75.6  |
|     |     |     |     |      |      |      |      |      |      | 90°    | 46.6  | 34.3  |
|     |     |     |     |      |      |      |      |      |      | 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: P226288

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

000-LED-E1-T2-7060

**tinued):**

|       |
|-------|
| 180°  |
| 841.9 |
| 765.4 |
| 640.7 |
| 557.2 |
| 543.1 |
| 553.6 |
| 574.7 |
| 590.6 |
| 588.8 |
| 555.4 |
| 497.4 |
| 436.8 |
| 384.9 |
| 368.2 |
| 347.1 |
| 370.0 |
| 380.5 |
| 345.4 |
| 300.6 |
| 280.3 |
| 275.1 |
| 288.2 |
| 283.9 |
| 280.3 |
| 275.1 |
| 270.7 |
| 269.8 |
| 271.6 |
| 268.0 |
| 263.6 |
| 237.3 |
| 213.6 |
| 192.5 |
| 169.6 |
| 143.2 |
| 107.2 |
| 81.7  |
| 29.0  |
| 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

