

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: P271794

Luminaire Tested: **ISW-AF-1000-LED-E1-SL4-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)  
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-SL4-7027  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4704.5 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Semi-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

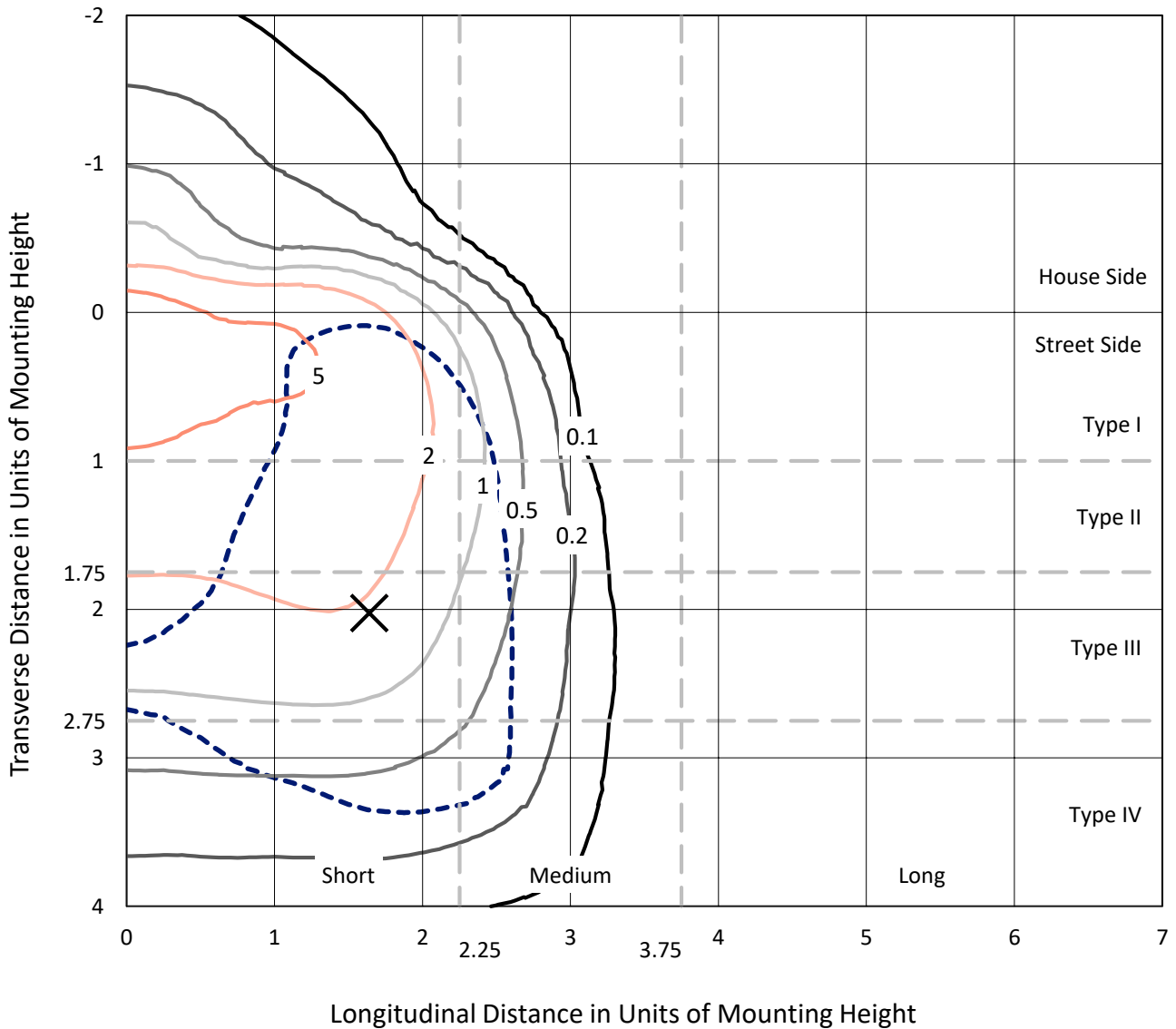


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### Iso-Footcandle Lines of Horizontal Illumination

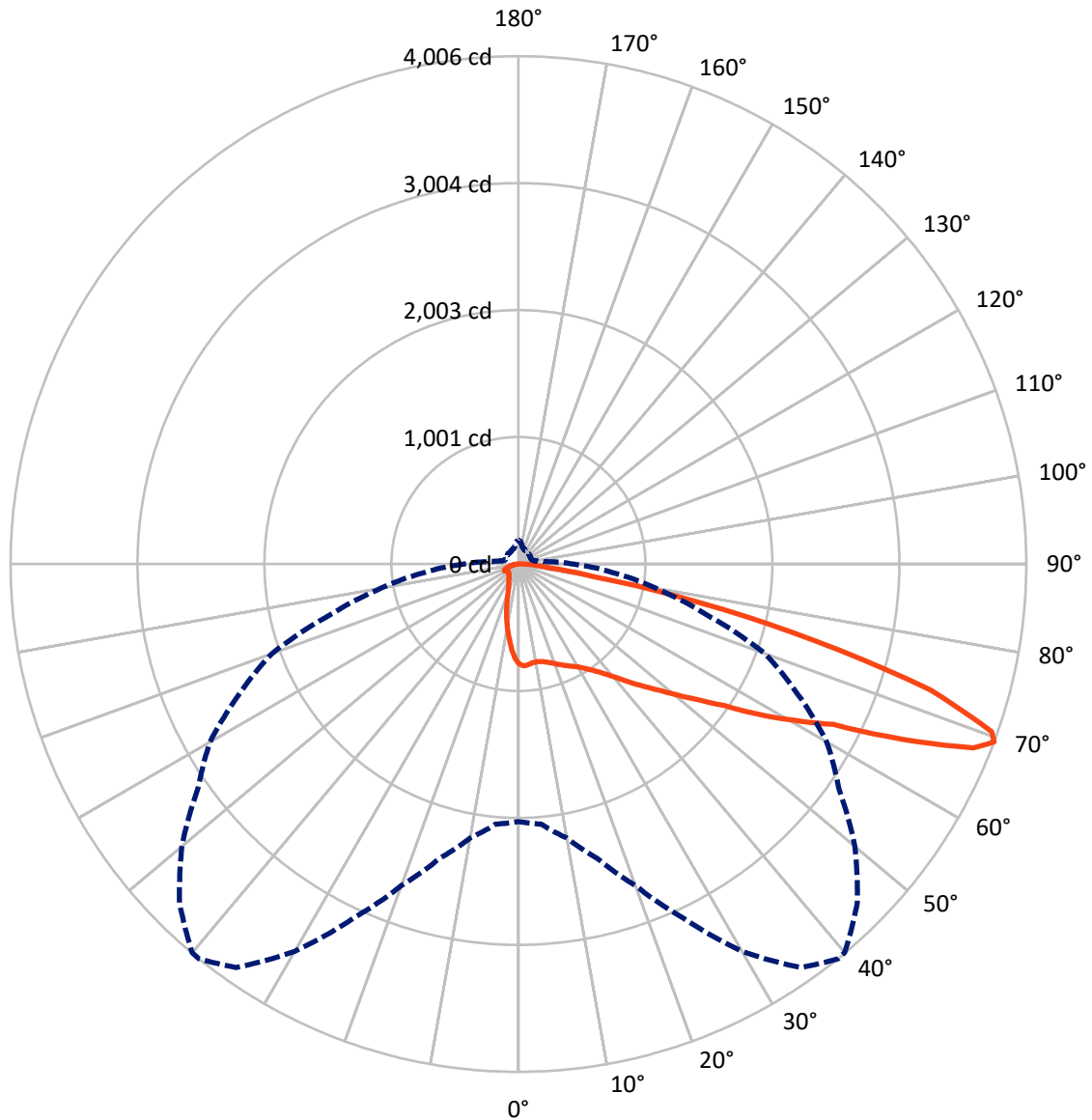
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 595.2    | 0.1    | 595.4  |
|                    | % Fixture | 12.7     | 0.0    | 12.7   |
| <b>Street Side</b> | Lumens    | 4107.9   | 1.2    | 4109.1 |
|                    | % Fixture | 87.3     | 0.0    | 87.3   |
| <b>Total</b>       | Lumens    | 4703.2   | 1.3    | 4704.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.0   | 1.4       |
| 10°-20°   | 171.5  | 3.6       |
| 20°-30°   | 266.9  | 5.7       |
| 30°-40°   | 403.4  | 8.6       |
| 40°-50°   | 645.6  | 13.7      |
| 50°-60°   | 1014.7 | 21.6      |
| 60°-70°   | 1366.2 | 29.0      |
| 70°-80°   | 677.7  | 14.4      |
| 80°-90°   | 89.0   | 1.9       |
| 90°-100°  | 1.3    | 0.0       |
| 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°    | 4703.2 | 100.0     |
| 0°-180°   | 4704.5 | 100.0     |



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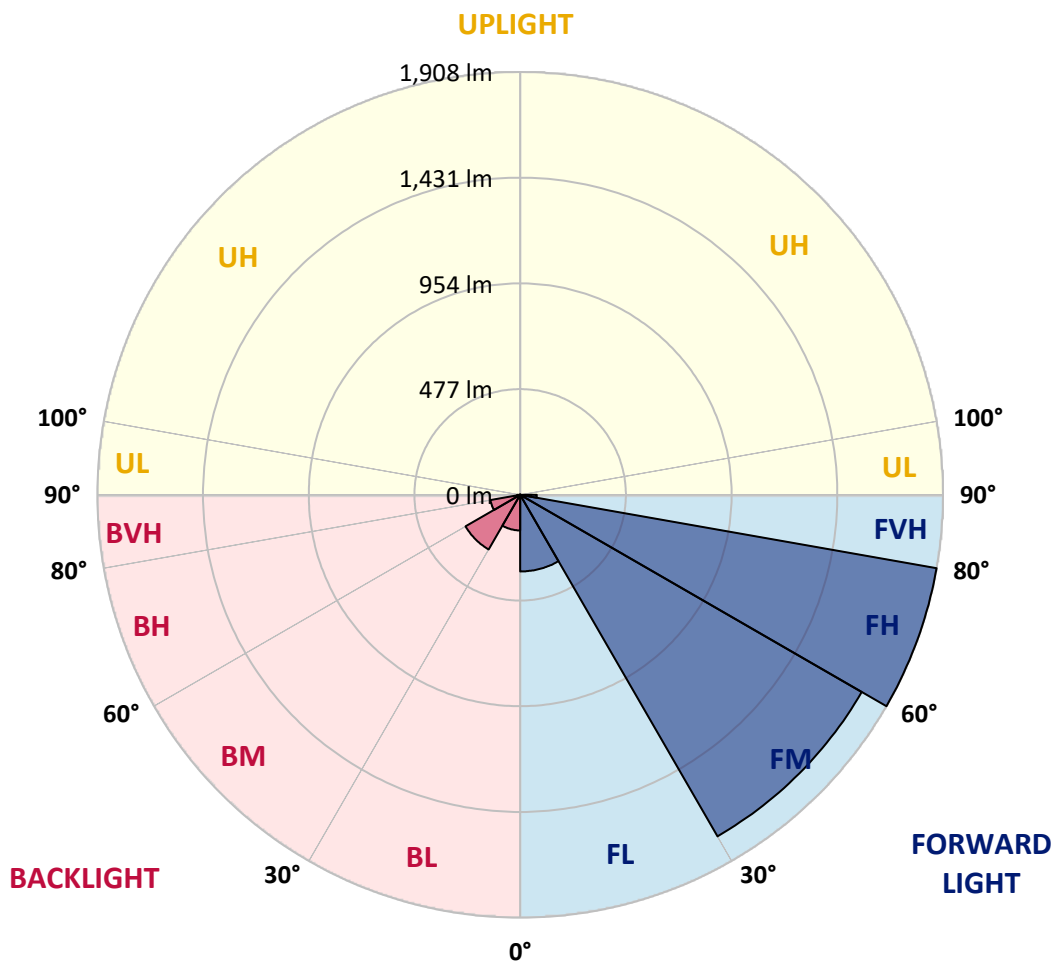
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 345.9  | 7.4       |                         |       |         |
| FM   | (30°-60°)   | 1779.4 | 37.8      |                         |       |         |
| FH   | (60°-80°)   | 1907.7 | 40.6      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 75.0   | 1.6       |                         |       | G1/100  |
| BL   | (0°-30°)    | 160.6  | 3.4       | B1/500                  |       |         |
| BM   | (30°-60°)   | 284.4  | 6.0       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 136.2  | 2.9       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 14.0   | 0.3       |                         |       | G1/100  |
| UL   | (90°-100°)  | 1.3    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 0.1    | 0.0       |                         | U1/10 |         |

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 39°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  |
| 2.5°   | 807.0  | 807.8  | 807.8  | 808.6  | 805.5  | 805.5  | 806.3  | 803.3  | 804.7  | 804.1  | 800.2  |
| 5°     | 808.6  | 809.4  | 808.6  | 809.4  | 805.5  | 804.1  | 800.9  | 797.2  | 798.6  | 797.9  | 792.6  |
| 7.5°   | 804.7  | 805.5  | 804.1  | 804.7  | 800.2  | 797.2  | 792.6  | 789.5  | 787.2  | 786.5  | 779.5  |
| 10°    | 796.3  | 798.6  | 795.6  | 797.9  | 794.0  | 791.0  | 788.7  | 785.7  | 784.1  | 783.4  | 775.8  |
| 12.5°  | 784.1  | 785.7  | 786.5  | 789.5  | 789.5  | 790.3  | 790.3  | 787.9  | 788.7  | 787.9  | 781.9  |
| 15°    | 772.7  | 778.0  | 783.4  | 786.5  | 792.6  | 796.3  | 799.4  | 798.6  | 800.9  | 800.2  | 796.3  |
| 17.5°  | 772.7  | 777.2  | 786.5  | 796.3  | 807.8  | 813.1  | 817.7  | 817.7  | 818.4  | 817.0  | 810.9  |
| 20°    | 775.8  | 784.1  | 799.4  | 816.2  | 829.9  | 840.6  | 843.7  | 842.9  | 839.8  | 839.8  | 829.1  |
| 22.5°  | 800.9  | 806.3  | 823.0  | 841.4  | 860.5  | 871.2  | 872.0  | 869.6  | 863.5  | 862.0  | 849.1  |
| 25°    | 836.8  | 842.9  | 858.2  | 881.9  | 896.4  | 904.8  | 902.4  | 894.8  | 888.7  | 883.4  | 869.6  |
| 27.5°  | 892.6  | 897.1  | 912.4  | 928.5  | 936.8  | 939.9  | 930.7  | 920.0  | 913.1  | 910.9  | 892.6  |
| 30°    | 949.8  | 956.0  | 968.1  | 978.1  | 984.9  | 975.8  | 961.3  | 949.1  | 943.0  | 941.4  | 924.6  |
| 32.5°  | 1020.0 | 1020.8 | 1029.3 | 1031.5 | 1032.3 | 1017.0 | 997.2  | 985.7  | 983.5  | 980.4  | 967.4  |
| 35°    | 1084.3 | 1088.0 | 1086.5 | 1085.7 | 1078.9 | 1059.8 | 1043.0 | 1036.1 | 1033.8 | 1033.1 | 1022.3 |
| 37.5°  | 1141.5 | 1147.6 | 1143.7 | 1136.9 | 1128.5 | 1113.2 | 1095.7 | 1088.0 | 1095.7 | 1091.1 | 1093.3 |
| 40°    | 1197.2 | 1197.2 | 1192.6 | 1188.7 | 1178.8 | 1164.3 | 1158.3 | 1159.0 | 1171.2 | 1174.4 | 1177.4 |
| 42.5°  | 1245.3 | 1244.5 | 1240.0 | 1236.9 | 1235.3 | 1232.4 | 1229.3 | 1243.7 | 1267.5 | 1272.0 | 1278.8 |
| 45°    | 1298.1 | 1297.2 | 1279.6 | 1285.7 | 1296.4 | 1298.8 | 1309.5 | 1343.1 | 1372.0 | 1374.4 | 1388.9 |
| 47.5°  | 1349.2 | 1343.1 | 1326.3 | 1332.4 | 1362.9 | 1378.9 | 1396.4 | 1443.8 | 1484.3 | 1492.7 | 1533.1 |
| 50°    | 1402.6 | 1396.4 | 1378.2 | 1389.6 | 1432.3 | 1462.1 | 1503.3 | 1569.0 | 1624.8 | 1636.3 | 1688.9 |
| 52.5°  | 1458.3 | 1457.6 | 1443.0 | 1460.6 | 1513.4 | 1573.7 | 1638.5 | 1712.6 | 1780.5 | 1795.0 | 1873.0 |
| 55°    | 1525.5 | 1521.7 | 1515.6 | 1537.0 | 1611.8 | 1692.8 | 1794.3 | 1895.1 | 1969.2 | 1995.0 | 2073.7 |
| 57.5°  | 1601.0 | 1599.6 | 1600.3 | 1644.7 | 1734.8 | 1857.7 | 1982.1 | 2118.0 | 2240.1 | 2258.5 | 2331.8 |
| 60°    | 1666.7 | 1669.8 | 1687.4 | 1756.8 | 1869.9 | 2036.3 | 2211.2 | 2395.2 | 2503.6 | 2522.7 | 2594.5 |
| 62.5°  | 1746.9 | 1764.5 | 1803.4 | 1891.2 | 2024.2 | 2225.7 | 2452.5 | 2647.1 | 2786.8 | 2825.8 | 2961.7 |
| 65°    | 1939.4 | 1953.1 | 2025.7 | 2131.8 | 2301.3 | 2559.3 | 2819.7 | 3102.9 | 3333.5 | 3368.6 | 3485.5 |
| 67.5°  | 2079.8 | 2115.0 | 2228.8 | 2402.1 | 2647.1 | 2977.1 | 3334.3 | 3677.1 | 3871.9 | 3887.9 | 3806.2 |
| 69°    | 2031.0 | 2060.0 | 2194.4 | 2403.5 | 2699.0 | 3083.2 | 3527.5 | 3885.6 | 4005.5 | 4002.4 | 3780.2 |
| 70°    | 1956.1 | 1982.9 | 2131.0 | 2334.1 | 2655.5 | 3070.9 | 3530.6 | 3887.1 | 3959.5 | 3932.2 | 3677.9 |
| 72.5°  | 1638.5 | 1662.2 | 1801.1 | 2013.4 | 2324.9 | 2737.2 | 3170.2 | 3413.6 | 3398.5 | 3375.5 | 2955.6 |
| 75°    | 1023.1 | 1021.6 | 1143.0 | 1265.9 | 1508.0 | 1924.9 | 2247.0 | 2442.5 | 2411.2 | 2393.6 | 1897.4 |
| 77.5°  | 382.5  | 409.3  | 453.6  | 585.7  | 697.2  | 922.3  | 1182.7 | 1400.3 | 1460.6 | 1383.5 | 1021.6 |
| 80°    | 199.2  | 213.8  | 242.8  | 289.3  | 332.9  | 381.0  | 458.1  | 589.5  | 610.1  | 568.9  | 412.3  |
| 82.5°  | 157.3  | 174.8  | 203.8  | 243.6  | 274.2  | 255.7  | 241.3  | 249.7  | 248.1  | 236.7  | 209.9  |
| 85°    | 119.1  | 139.8  | 187.0  | 227.5  | 271.1  | 229.1  | 182.4  | 159.6  | 142.0  | 142.8  | 151.9  |
| 87.5°  | 59.6   | 77.2   | 147.3  | 198.5  | 236.0  | 151.9  | 119.1  | 92.3   | 77.2   | 74.1   | 99.3   |
| 90°    | 18.3   | 18.3   | 29.7   | 39.0   | 53.4   | 26.7   | 25.9   | 19.9   | 14.6   | 14.6   | 22.9   |
| 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°  | 10° | 15° | 20° | 25° | 30° | 35° | 39° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°     | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9  | 787.9 |
| 2.5°   | 797.2  | 797.2  | 795.6  | 794.8  | 792.6  | 789.5  | 787.2  | 783.4  | 781.1  | 777.2  | 772.7 |
| 5°     | 787.2  | 784.1  | 782.6  | 779.5  | 775.0  | 771.1  | 766.5  | 761.2  | 755.1  | 747.5  | 739.0 |
| 7.5°   | 774.2  | 769.7  | 764.3  | 762.8  | 757.5  | 752.8  | 747.5  | 739.8  | 731.5  | 717.7  | 707.1 |
| 10°    | 768.9  | 764.3  | 759.7  | 756.6  | 749.7  | 744.4  | 738.4  | 728.3  | 717.7  | 699.4  | 679.6 |
| 12.5°  | 774.2  | 769.7  | 765.1  | 759.7  | 753.6  | 747.5  | 739.0  | 726.9  | 712.4  | 688.7  | 664.3 |
| 15°    | 787.2  | 782.6  | 775.0  | 769.7  | 761.2  | 755.9  | 744.4  | 730.7  | 709.3  | 680.3  | 648.3 |
| 17.5°  | 801.6  | 794.8  | 787.9  | 779.5  | 771.9  | 765.1  | 752.8  | 735.3  | 708.5  | 674.2  | 632.9 |
| 20°    | 815.4  | 807.8  | 797.2  | 791.0  | 783.4  | 773.4  | 760.4  | 739.0  | 707.1  | 662.1  | 617.0 |
| 22.5°  | 831.5  | 821.6  | 810.1  | 803.3  | 797.2  | 788.7  | 773.4  | 746.0  | 707.1  | 655.1  | 598.6 |
| 25°    | 852.1  | 839.1  | 827.7  | 820.8  | 817.0  | 810.9  | 792.6  | 762.0  | 712.4  | 651.3  | 583.3 |
| 27.5°  | 876.6  | 859.7  | 849.8  | 845.2  | 844.5  | 839.8  | 821.6  | 783.4  | 724.7  | 651.3  | 568.9 |
| 30°    | 905.5  | 891.0  | 878.0  | 878.0  | 887.3  | 884.1  | 863.5  | 816.2  | 743.7  | 653.6  | 558.2 |
| 32.5°  | 946.0  | 931.5  | 923.9  | 931.5  | 941.4  | 944.5  | 920.9  | 862.8  | 775.0  | 664.3  | 547.4 |
| 35°    | 1005.6 | 996.4  | 991.1  | 1002.5 | 1022.3 | 1030.0 | 1001.0 | 932.4  | 820.8  | 684.9  | 541.4 |
| 37.5°  | 1084.3 | 1077.3 | 1070.5 | 1090.4 | 1127.7 | 1143.0 | 1101.1 | 1012.4 | 886.4  | 719.3  | 538.3 |
| 40°    | 1174.4 | 1175.1 | 1182.7 | 1222.4 | 1258.3 | 1290.3 | 1243.1 | 1133.8 | 976.5  | 768.1  | 541.4 |
| 42.5°  | 1281.3 | 1289.6 | 1315.6 | 1370.5 | 1440.1 | 1465.1 | 1419.4 | 1280.4 | 1088.7 | 826.9  | 549.0 |
| 45°    | 1414.0 | 1436.2 | 1480.5 | 1562.2 | 1646.1 | 1685.1 | 1620.3 | 1465.1 | 1230.0 | 920.9  | 570.3 |
| 47.5°  | 1555.2 | 1604.1 | 1679.0 | 1778.3 | 1876.0 | 1901.2 | 1821.0 | 1632.4 | 1368.3 | 1004.0 | 603.2 |
| 50°    | 1736.2 | 1795.8 | 1870.6 | 1989.7 | 2093.6 | 2108.8 | 2002.7 | 1787.4 | 1488.9 | 1076.6 | 634.6 |
| 52.5°  | 1904.9 | 1986.0 | 2081.4 | 2219.5 | 2324.9 | 2305.9 | 2168.4 | 1925.6 | 1584.3 | 1126.1 | 652.1 |
| 55°    | 2135.6 | 2219.5 | 2327.1 | 2447.8 | 2552.4 | 2506.6 | 2318.9 | 2043.1 | 1660.7 | 1162.9 | 657.4 |
| 57.5°  | 2399.0 | 2463.2 | 2568.5 | 2692.2 | 2760.9 | 2682.2 | 2466.9 | 2157.7 | 1733.2 | 1163.7 | 615.4 |
| 60°    | 2657.8 | 2732.6 | 2848.7 | 2970.2 | 3008.2 | 2872.4 | 2570.1 | 2175.2 | 1661.4 | 1038.4 | 492.5 |
| 62.5°  | 3041.1 | 3116.7 | 3175.5 | 3195.3 | 3126.6 | 2853.3 | 2450.1 | 1989.7 | 1432.3 | 819.3  | 348.9 |
| 65°    | 3469.4 | 3383.9 | 3270.2 | 3163.3 | 2976.3 | 2560.9 | 2112.6 | 1634.6 | 1111.7 | 547.4  | 240.5 |
| 67.5°  | 3581.7 | 3321.3 | 3073.9 | 2835.7 | 2486.8 | 2039.4 | 1593.4 | 1149.9 | 713.2  | 311.5  | 163.4 |
| 69°    | 3464.9 | 3084.6 | 2809.0 | 2431.0 | 2070.6 | 1526.3 | 1098.0 | 736.8  | 426.1  | 216.9  | 136.6 |
| 70°    | 3251.1 | 2855.6 | 2482.3 | 2077.5 | 1604.1 | 1165.9 | 730.0  | 482.6  | 277.9  | 158.0  | 122.9 |
| 72.5°  | 2453.2 | 1961.4 | 1511.8 | 981.8  | 598.6  | 332.1  | 233.6  | 167.3  | 132.1  | 116.0  | 105.4 |
| 75°    | 1418.6 | 944.5  | 618.4  | 329.9  | 195.5  | 145.1  | 126.8  | 113.0  | 104.7  | 100.8  | 91.6  |
| 77.5°  | 598.6  | 374.1  | 253.5  | 185.5  | 131.3  | 112.3  | 97.7   | 90.1   | 89.3   | 87.0   | 78.6  |
| 80°    | 272.5  | 233.6  | 199.2  | 139.8  | 100.0  | 85.5   | 74.8   | 73.3   | 74.8   | 72.5   | 64.0  |
| 82.5°  | 202.4  | 199.2  | 166.5  | 107.7  | 76.4   | 57.2   | 46.6   | 48.9   | 55.0   | 59.6   | 51.9  |
| 85°    | 168.7  | 168.7  | 139.8  | 80.2   | 50.3   | 36.7   | 35.9   | 40.4   | 45.8   | 49.7   | 42.0  |
| 87.5°  | 155.0  | 148.8  | 80.2   | 41.2   | 29.0   | 23.6   | 22.2   | 19.9   | 19.9   | 34.3   | 29.0  |
| 90°    | 15.3   | 6.8    | 3.9    | 3.1    | 3.9    | 3.1    | 4.6    | 3.9    | 3.9    | 3.9    | 3.9   |
| 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: P271794

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4-7027

**CANDELA DISTRIBUTION (continued):**

|        | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 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: P271794

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4-7027

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 |
| 2.5°   | 768.9 | 765.9 | 758.2 | 756.6 | 754.4 | 751.3 | 750.5 | 746.7 | 739.0 | 737.6 | 738.4 |
| 5°     | 733.7 | 721.5 | 713.2 | 706.2 | 700.9 | 687.1 | 681.8 | 675.7 | 665.0 | 662.1 | 657.4 |
| 7.5°   | 692.5 | 678.0 | 661.2 | 648.9 | 634.6 | 620.0 | 608.5 | 594.0 | 582.6 | 575.7 | 563.5 |
| 10°    | 660.4 | 640.6 | 618.4 | 594.0 | 574.9 | 552.7 | 538.3 | 521.5 | 503.2 | 486.3 | 474.1 |
| 12.5°  | 636.0 | 608.5 | 576.4 | 547.4 | 520.0 | 496.3 | 470.4 | 446.6 | 423.8 | 400.8 | 381.0 |
| 15°    | 616.1 | 581.8 | 541.4 | 504.7 | 471.1 | 435.9 | 406.9 | 374.1 | 345.1 | 325.3 | 300.0 |
| 17.5°  | 594.8 | 550.5 | 502.4 | 459.7 | 416.2 | 379.4 | 342.8 | 308.5 | 281.0 | 255.0 | 234.4 |
| 20°    | 568.9 | 515.4 | 463.4 | 413.8 | 364.3 | 322.2 | 284.9 | 252.0 | 225.3 | 204.6 | 189.4 |
| 22.5°  | 539.8 | 477.2 | 416.9 | 362.6 | 313.1 | 271.7 | 236.7 | 212.3 | 192.3 | 181.0 | 176.3 |
| 25°    | 511.6 | 439.8 | 371.9 | 312.3 | 262.7 | 227.5 | 203.8 | 183.3 | 173.4 | 168.7 | 168.7 |
| 27.5°  | 485.6 | 401.6 | 326.1 | 268.1 | 219.8 | 192.3 | 174.1 | 165.6 | 161.1 | 161.1 | 163.4 |
| 30°    | 461.2 | 363.5 | 282.4 | 223.7 | 185.5 | 164.9 | 155.0 | 151.9 | 152.7 | 155.8 | 158.8 |
| 32.5°  | 432.9 | 326.8 | 245.1 | 192.3 | 161.1 | 147.3 | 139.8 | 140.5 | 144.3 | 149.7 | 155.0 |
| 35°    | 403.1 | 287.9 | 212.3 | 168.7 | 144.3 | 133.6 | 129.1 | 129.7 | 135.1 | 142.0 | 147.3 |
| 37.5°  | 376.4 | 256.6 | 187.0 | 150.5 | 132.1 | 125.2 | 121.5 | 122.2 | 126.0 | 134.4 | 141.2 |
| 40°    | 349.7 | 229.9 | 166.5 | 139.8 | 125.2 | 118.4 | 116.0 | 115.3 | 118.4 | 126.0 | 134.4 |
| 42.5°  | 326.8 | 206.9 | 154.1 | 132.1 | 120.6 | 114.5 | 111.5 | 111.5 | 113.0 | 119.1 | 127.5 |
| 45°    | 313.1 | 193.1 | 145.9 | 126.8 | 116.8 | 111.5 | 108.4 | 106.9 | 109.1 | 113.0 | 120.6 |
| 47.5°  | 313.1 | 186.3 | 140.5 | 122.9 | 113.7 | 109.1 | 105.4 | 104.7 | 105.4 | 109.1 | 116.8 |
| 50°    | 323.7 | 187.8 | 139.8 | 121.5 | 112.3 | 106.1 | 102.2 | 102.2 | 103.8 | 109.1 | 115.3 |
| 52.5°  | 332.9 | 190.9 | 142.0 | 122.9 | 112.3 | 104.7 | 100.0 | 99.3  | 101.6 | 106.9 | 112.3 |
| 55°    | 331.4 | 190.9 | 144.3 | 125.2 | 114.5 | 105.4 | 99.3  | 98.5  | 100.0 | 105.4 | 110.7 |
| 57.5°  | 296.2 | 179.4 | 142.0 | 126.8 | 117.6 | 109.1 | 103.0 | 100.8 | 102.2 | 106.9 | 111.5 |
| 60°    | 239.8 | 159.6 | 135.9 | 126.8 | 122.2 | 116.0 | 110.0 | 108.4 | 109.1 | 113.7 | 119.1 |
| 62.5°  | 187.8 | 142.0 | 128.3 | 126.0 | 124.4 | 121.5 | 119.1 | 117.6 | 117.6 | 121.5 | 126.0 |
| 65°    | 152.7 | 128.3 | 122.2 | 122.9 | 124.4 | 123.7 | 122.9 | 122.2 | 122.2 | 124.4 | 129.1 |
| 67.5°  | 127.5 | 115.3 | 113.7 | 116.0 | 117.6 | 118.4 | 119.1 | 118.4 | 119.1 | 121.5 | 126.8 |
| 69°    | 116.0 | 108.4 | 106.9 | 108.4 | 111.5 | 112.3 | 113.7 | 113.0 | 113.7 | 116.0 | 121.5 |
| 70°    | 109.1 | 103.0 | 101.6 | 103.8 | 106.1 | 106.9 | 108.4 | 107.7 | 108.4 | 110.7 | 116.0 |
| 72.5°  | 94.7  | 87.9  | 85.5  | 87.0  | 89.3  | 89.3  | 91.6  | 92.3  | 90.9  | 91.6  | 95.4  |
| 75°    | 80.9  | 73.3  | 69.5  | 70.2  | 70.2  | 70.2  | 71.8  | 71.8  | 70.2  | 69.5  | 70.2  |
| 77.5°  | 67.9  | 59.6  | 55.0  | 55.0  | 55.0  | 54.2  | 51.9  | 52.7  | 53.4  | 52.7  | 53.4  |
| 80°    | 53.4  | 46.6  | 42.0  | 42.0  | 42.0  | 40.4  | 39.7  | 39.7  | 41.2  | 42.8  | 42.0  |
| 82.5°  | 41.2  | 34.3  | 32.1  | 31.4  | 31.4  | 29.7  | 29.7  | 31.4  | 30.5  | 31.4  | 32.9  |
| 85°    | 29.7  | 24.4  | 22.2  | 22.9  | 22.2  | 20.6  | 21.4  | 23.6  | 23.6  | 22.9  | 24.4  |
| 87.5°  | 18.3  | 15.3  | 14.6  | 15.3  | 13.7  | 11.5  | 10.7  | 11.5  | 12.9  | 12.1  | 13.7  |
| 90°    | 2.2   | 1.5   | 1.5   | 1.5   | 2.2   | 1.5   | 1.5   | 1.5   | 2.2   | 2.2   | 1.5   |
| 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: P271794  
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4-7027

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |        |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 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: P271794  
 NUMBER: ISW-AF-1000-LED-E1-SL4-7027

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

| 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 787.9 | 787.9 | 787.9 | 787.9 | 787.9 |
| 732.9 | 735.3 | 725.3 | 730.0 | 726.9 |
| 652.8 | 648.9 | 648.3 | 645.9 | 641.4 |
| 558.8 | 555.8 | 546.7 | 549.8 | 542.8 |
| 461.9 | 461.2 | 444.4 | 445.1 | 436.8 |
| 372.5 | 358.9 | 352.0 | 342.1 | 347.5 |
| 288.6 | 277.1 | 262.7 | 258.8 | 264.2 |
| 217.6 | 206.1 | 199.2 | 193.1 | 190.9 |
| 180.2 | 173.4 | 169.5 | 167.3 | 165.6 |
| 174.1 | 172.6 | 171.8 | 170.3 | 169.5 |
| 170.3 | 171.8 | 171.8 | 171.8 | 170.3 |
| 166.5 | 169.5 | 170.3 | 169.5 | 167.9 |
| 162.6 | 164.9 | 164.9 | 164.2 | 161.9 |
| 157.3 | 159.6 | 159.6 | 158.8 | 157.3 |
| 151.2 | 152.7 | 153.5 | 153.5 | 154.1 |
| 146.6 | 148.1 | 149.7 | 151.2 | 153.5 |
| 141.2 | 143.5 | 144.3 | 147.3 | 150.5 |
| 134.4 | 137.4 | 139.0 | 141.2 | 144.3 |
| 127.5 | 131.3 | 132.1 | 135.1 | 138.2 |
| 124.4 | 127.5 | 127.5 | 129.7 | 132.1 |
| 120.6 | 122.2 | 121.5 | 122.9 | 123.7 |
| 116.8 | 118.4 | 117.6 | 119.1 | 119.8 |
| 113.7 | 115.3 | 116.8 | 118.4 | 119.1 |
| 115.3 | 117.6 | 118.4 | 120.6 | 121.5 |
| 122.2 | 125.2 | 128.3 | 131.3 | 133.6 |
| 129.1 | 132.9 | 139.8 | 153.5 | 158.8 |
| 132.9 | 138.2 | 154.1 | 178.0 | 184.8 |
| 130.5 | 137.4 | 156.6 | 181.6 | 190.1 |
| 126.0 | 131.3 | 151.9 | 178.0 | 185.5 |
| 119.8 | 125.2 | 145.9 | 174.1 | 181.0 |
| 96.9  | 100.0 | 122.9 | 149.7 | 154.1 |
| 71.0  | 73.3  | 90.9  | 101.6 | 100.8 |
| 55.0  | 58.0  | 64.0  | 64.9  | 64.0  |
| 43.5  | 45.1  | 48.1  | 48.1  | 48.9  |
| 33.6  | 34.3  | 35.9  | 34.3  | 33.6  |
| 25.2  | 24.4  | 23.6  | 22.9  | 22.2  |
| 14.6  | 14.6  | 12.1  | 10.7  | 9.9   |
| 1.5   | 2.2   | 2.2   | 1.5   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

**CANDELA DISTRIBUTION:**

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

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TION (continued):

| 165° | 170° | 175° | 180° |
|------|------|------|------|
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |
| 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)