

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: P271803

Luminaire Tested: **ISW-AF-1200-LED-E1-SL3-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-1200-LED-E1-SL3-7027  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5667.2 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G2  
  
Input Watts (W): 66  
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

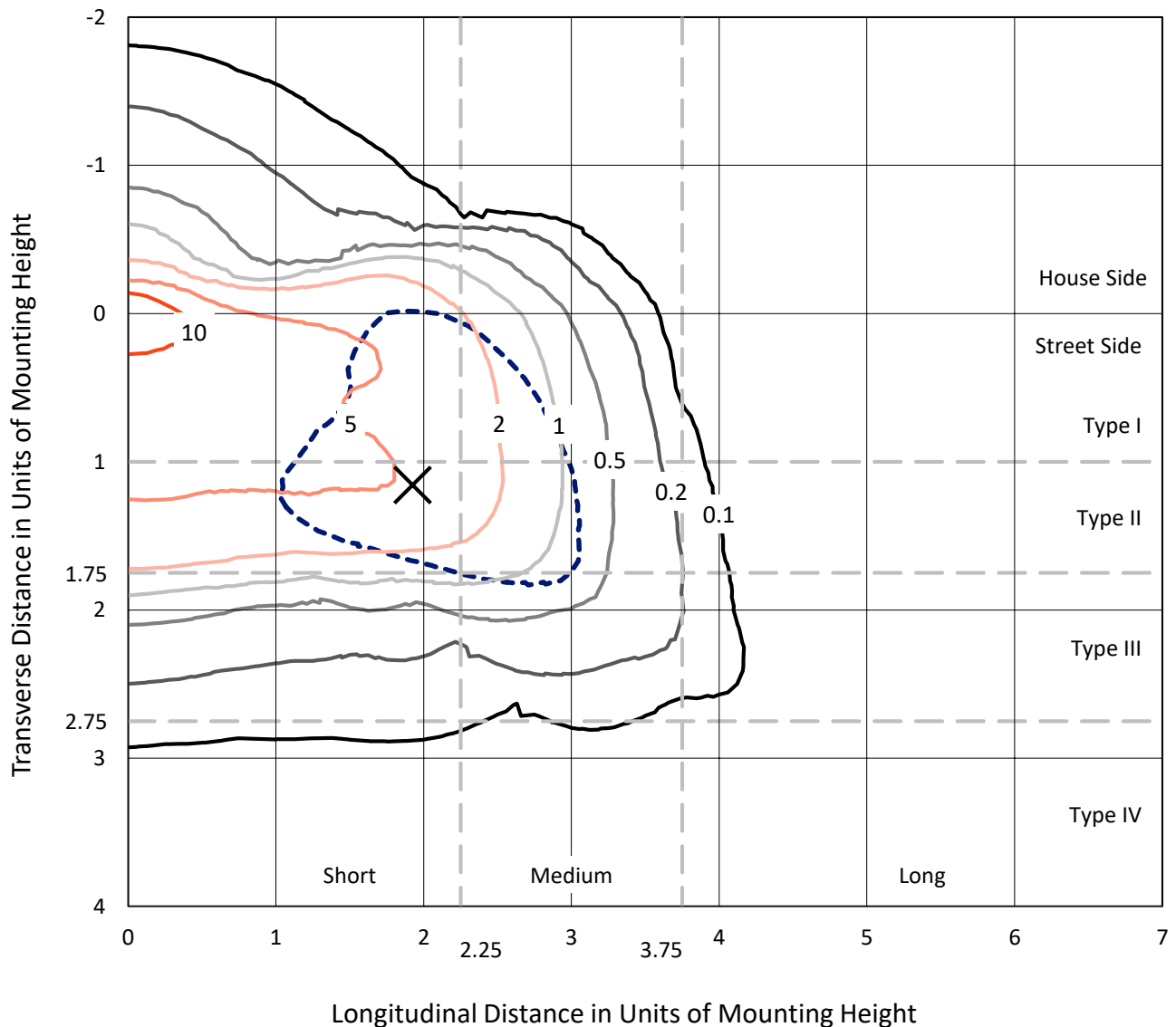


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### Iso-Footcandle Lines of Horizontal Illumination

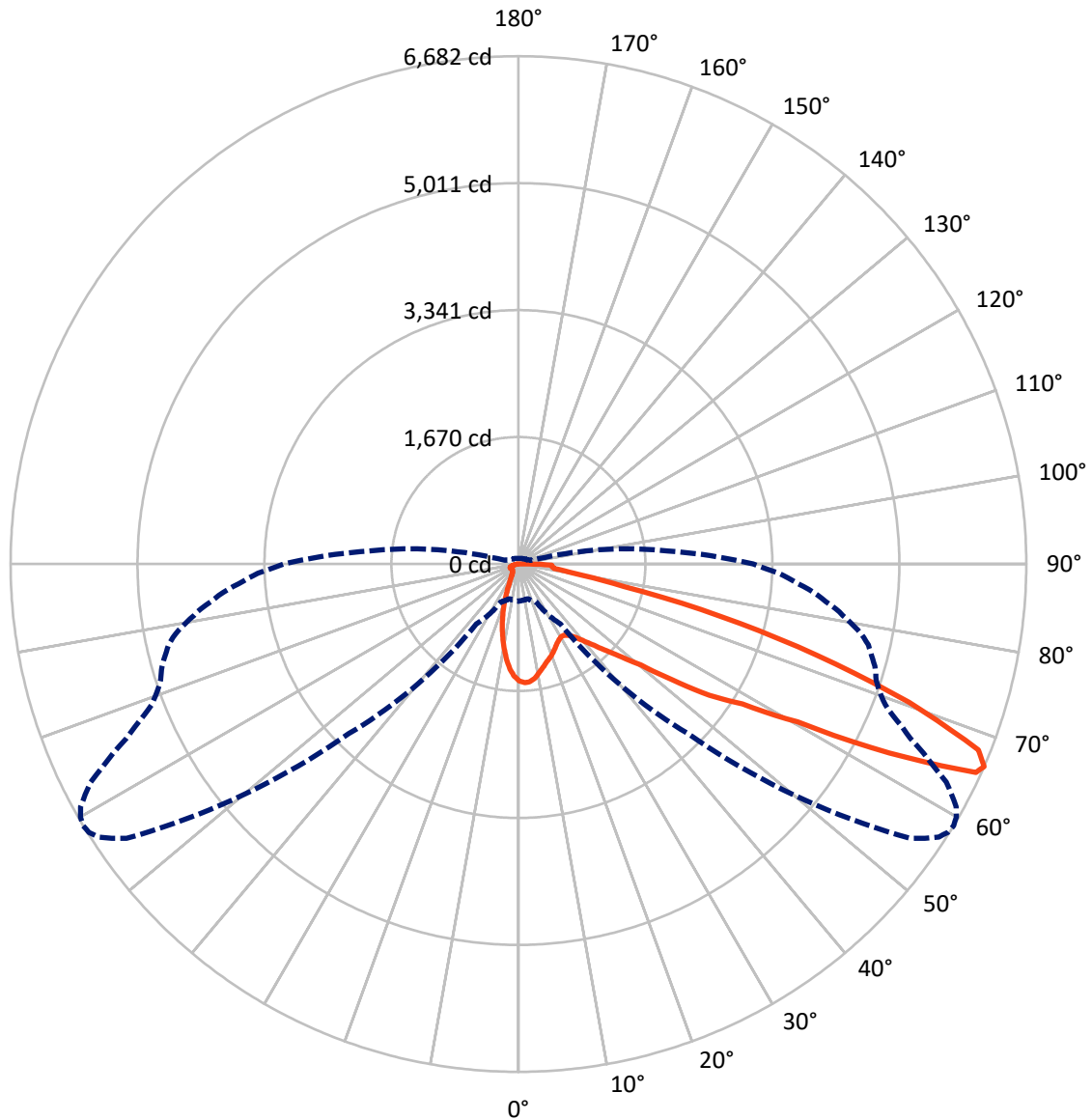
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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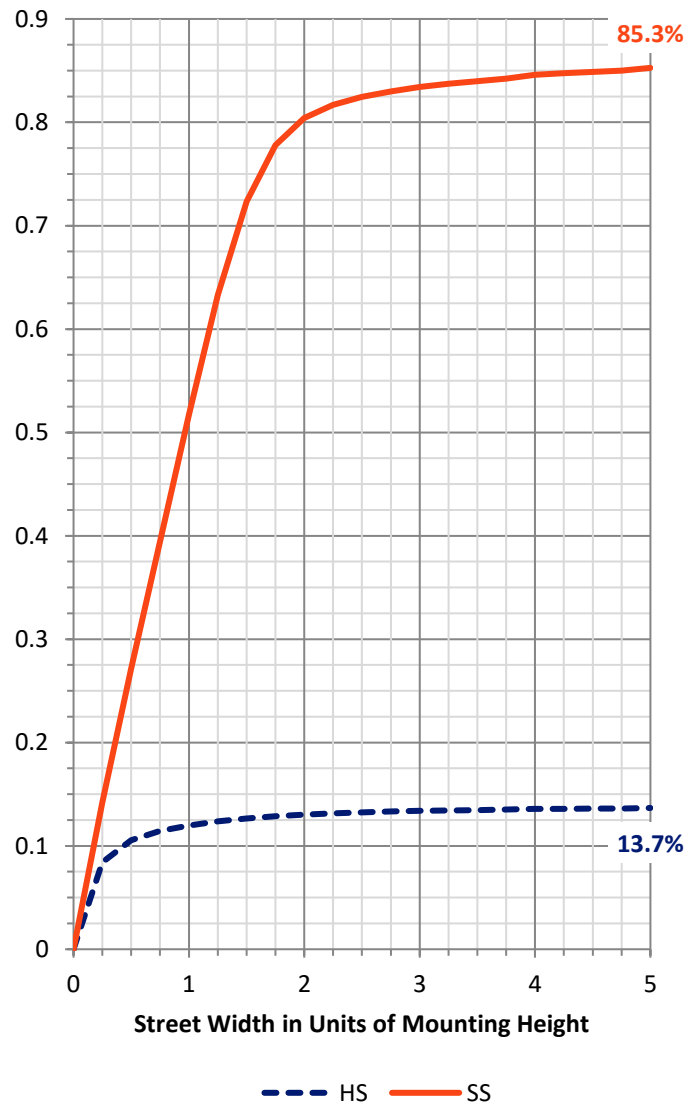
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 786.3    | 0.4    | 786.6  |
|                    | % Fixture | 13.9     | 0.0    | 13.9   |
| <b>Street Side</b> | Lumens    | 4878.5   | 2.1    | 4880.6 |
|                    | % Fixture | 86.1     | 0.0    | 86.1   |
| <b>Total</b>       | Lumens    | 5664.8   | 2.4    | 5667.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.2  | 2.3       |
| 10°-20°   | 277.2  | 4.9       |
| 20°-30°   | 347.8  | 6.1       |
| 30°-40°   | 475.8  | 8.4       |
| 40°-50°   | 765.4  | 13.5      |
| 50°-60°   | 1330.0 | 23.5      |
| 60°-70°   | 1616.0 | 28.5      |
| 70°-80°   | 602.8  | 10.6      |
| 80°-90°   | 118.6  | 2.1       |
| 90°-100°  | 2.4    | 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°    | 5664.8 | 100.0     |
| 0°-180°   | 5667.2 | 100.0     |

**Coefficient of Utilization**



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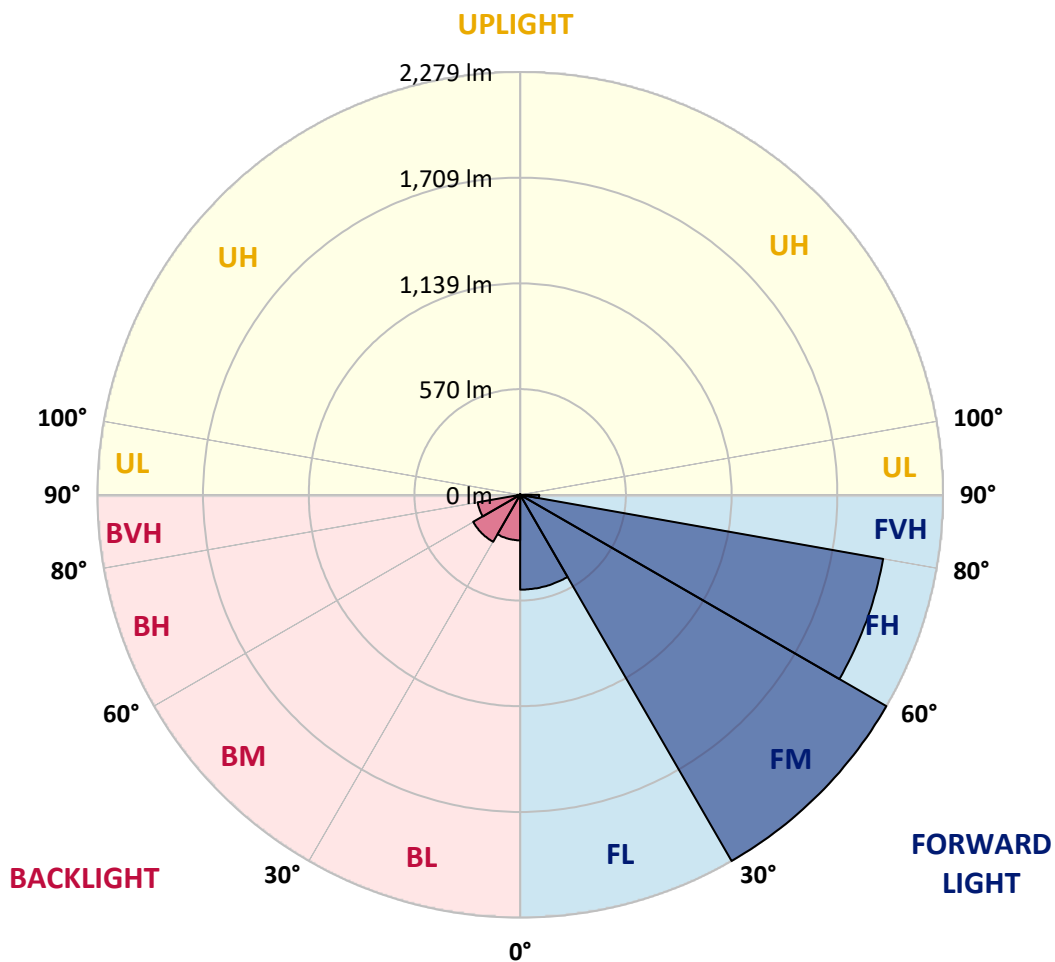
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 511.1  | 9.0       |                         |       |         |
| FM   | (30°-60°)   | 2278.9 | 40.2      |                         |       |         |
| FH   | (60°-80°)   | 1986.3 | 35.0      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 102.3  | 1.8       |                         |       | G2/225  |
| BL   | (0°-30°)    | 245.2  | 4.3       | B1/500                  |       |         |
| BM   | (30°-60°)   | 292.3  | 5.2       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 232.5  | 4.1       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 16.3   | 0.3       |                         |       | G1/100  |
| UL   | (90°-100°)  | 2.4    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 0.4    | 0.0       |                         | U1/10 |         |

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 |
| 2.5°   | 1579.6 | 1574.4 | 1583.9 | 1580.5 | 1583.0 | 1570.1 | 1567.5 | 1564.8 | 1566.6 | 1563.9 | 1563.9 |
| 5°     | 1542.2 | 1539.7 | 1550.9 | 1557.0 | 1562.2 | 1560.4 | 1559.5 | 1559.5 | 1560.4 | 1554.3 | 1555.2 |
| 7.5°   | 1432.8 | 1431.0 | 1446.6 | 1457.9 | 1483.1 | 1497.9 | 1517.1 | 1517.9 | 1519.7 | 1517.1 | 1522.3 |
| 10°    | 1316.4 | 1321.6 | 1335.4 | 1353.7 | 1391.0 | 1413.7 | 1450.1 | 1457.1 | 1459.7 | 1460.6 | 1461.5 |
| 12.5°  | 1205.1 | 1199.9 | 1217.2 | 1252.0 | 1302.5 | 1338.9 | 1385.0 | 1388.4 | 1392.8 | 1398.9 | 1404.9 |
| 15°    | 1106.0 | 1112.1 | 1126.0 | 1162.6 | 1215.6 | 1266.8 | 1326.8 | 1330.2 | 1338.9 | 1344.1 | 1352.8 |
| 17.5°  | 1038.4 | 1038.4 | 1053.9 | 1087.8 | 1137.3 | 1202.5 | 1278.1 | 1284.1 | 1291.1 | 1298.1 | 1307.7 |
| 20°    | 1004.5 | 1004.5 | 1010.4 | 1030.4 | 1073.9 | 1136.4 | 1227.7 | 1234.6 | 1246.8 | 1254.7 | 1267.7 |
| 22.5°  | 1001.8 | 1000.9 | 1000.0 | 1004.5 | 1030.4 | 1079.1 | 1173.8 | 1183.3 | 1193.8 | 1206.0 | 1217.2 |
| 25°    | 1029.5 | 1032.2 | 1021.8 | 1014.8 | 1017.4 | 1040.0 | 1122.5 | 1127.8 | 1147.8 | 1155.6 | 1169.5 |
| 27.5°  | 1069.5 | 1073.9 | 1065.2 | 1054.8 | 1039.2 | 1024.3 | 1079.1 | 1087.8 | 1100.9 | 1113.9 | 1131.2 |
| 30°    | 1126.9 | 1126.0 | 1125.1 | 1118.2 | 1087.8 | 1041.8 | 1066.1 | 1072.1 | 1083.4 | 1093.9 | 1108.7 |
| 32.5°  | 1188.5 | 1195.6 | 1200.8 | 1197.4 | 1166.0 | 1087.8 | 1084.3 | 1089.6 | 1100.0 | 1106.0 | 1115.7 |
| 35°    | 1268.6 | 1272.0 | 1292.0 | 1292.0 | 1260.7 | 1170.3 | 1135.5 | 1139.9 | 1145.2 | 1147.8 | 1154.7 |
| 37.5°  | 1356.4 | 1368.5 | 1398.0 | 1415.4 | 1366.7 | 1272.9 | 1216.5 | 1216.5 | 1219.0 | 1220.8 | 1225.1 |
| 40°    | 1457.9 | 1475.4 | 1516.2 | 1549.1 | 1517.9 | 1400.5 | 1322.5 | 1330.2 | 1327.7 | 1324.1 | 1333.7 |
| 42.5°  | 1576.1 | 1595.2 | 1644.8 | 1676.1 | 1657.8 | 1554.3 | 1464.9 | 1459.7 | 1467.5 | 1457.1 | 1460.6 |
| 45°    | 1713.3 | 1728.2 | 1778.6 | 1811.6 | 1826.3 | 1742.9 | 1651.7 | 1641.2 | 1641.2 | 1618.7 | 1628.3 |
| 47.5°  | 1836.8 | 1841.2 | 1889.8 | 1948.0 | 1995.8 | 1997.5 | 1868.9 | 1862.0 | 1845.5 | 1830.7 | 1827.2 |
| 50°    | 1951.5 | 1964.5 | 1995.8 | 2059.2 | 2159.2 | 2246.0 | 2167.8 | 2146.1 | 2127.8 | 2073.1 | 2089.5 |
| 52.5°  | 2150.5 | 2175.7 | 2195.5 | 2233.8 | 2352.0 | 2528.4 | 2624.8 | 2590.9 | 2586.6 | 2537.0 | 2525.8 |
| 55°    | 2187.8 | 2190.3 | 2256.5 | 2477.2 | 2755.1 | 2882.0 | 3067.0 | 3066.3 | 3080.1 | 3064.5 | 3049.7 |
| 57.5°  | 2012.2 | 1991.5 | 2101.8 | 2392.8 | 2951.5 | 3603.1 | 3546.7 | 3552.8 | 3534.5 | 3486.7 | 3471.9 |
| 60°    | 1567.5 | 1584.8 | 1703.8 | 2074.8 | 2809.9 | 4068.9 | 4441.6 | 4331.3 | 4410.3 | 4286.2 | 4219.2 |
| 62.5°  | 881.9  | 861.9  | 942.7  | 1332.8 | 2305.1 | 4093.1 | 5660.6 | 5672.8 | 5711.1 | 5641.4 | 5478.1 |
| 65°    | 569.1  | 560.5  | 552.5  | 674.3  | 1381.5 | 3580.6 | 6334.8 | 6484.2 | 6573.8 | 6610.3 | 6613.0 |
| 66°    | 489.1  | 482.2  | 472.7  | 551.6  | 962.7  | 3154.8 | 6291.4 | 6451.3 | 6593.8 | 6661.5 | 6681.5 |
| 67.5°  | 416.2  | 405.8  | 404.0  | 457.0  | 669.9  | 2447.6 | 5877.0 | 6128.1 | 6254.1 | 6429.6 | 6525.2 |
| 70°    | 318.0  | 312.8  | 328.4  | 394.4  | 514.4  | 1152.1 | 4683.1 | 5010.7 | 5228.0 | 5365.1 | 5453.8 |
| 72.5°  | 266.8  | 265.0  | 286.6  | 360.6  | 487.4  | 653.3  | 3278.3 | 3630.1 | 3856.9 | 3988.0 | 4109.7 |
| 75°    | 208.6  | 210.2  | 238.9  | 344.1  | 484.8  | 569.1  | 1904.6 | 2239.9 | 2372.0 | 2578.8 | 2736.9 |
| 77.5°  | 156.3  | 154.7  | 177.2  | 278.0  | 472.7  | 576.9  | 989.7  | 1128.6 | 1273.8 | 1378.9 | 1417.1 |
| 80°    | 109.4  | 111.2  | 126.8  | 191.2  | 368.3  | 593.4  | 616.9  | 649.0  | 679.5  | 713.3  | 720.4  |
| 82.5°  | 73.0   | 73.8   | 93.9   | 131.2  | 255.5  | 566.5  | 576.0  | 561.4  | 537.8  | 508.4  | 476.1  |
| 85°    | 44.3   | 46.0   | 66.9   | 88.7   | 198.1  | 512.7  | 596.0  | 556.9  | 521.4  | 482.2  | 443.1  |
| 87.5°  | 22.5   | 25.2   | 40.0   | 52.1   | 117.3  | 252.9  | 620.4  | 591.7  | 543.0  | 483.1  | 439.6  |
| 90°    | 6.1    | 6.1    | 8.7    | 13.0   | 23.4   | 51.2   | 156.3  | 140.8  | 70.3   | 133.8  | 66.0   |
| 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    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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):**

|        | 60°    | 61°    | 62°    | 63°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 |
| 2.5°   | 1563.1 | 1564.8 | 1563.1 | 1560.4 | 1563.1 | 1560.4 | 1559.5 | 1558.6 | 1559.5 | 1557.9 | 1557.0 |
| 5°     | 1555.2 | 1557.0 | 1557.0 | 1551.8 | 1550.9 | 1554.3 | 1549.1 | 1550.9 | 1549.1 | 1547.4 | 1544.0 |
| 7.5°   | 1517.9 | 1518.8 | 1519.7 | 1516.2 | 1518.8 | 1518.8 | 1517.1 | 1517.1 | 1515.4 | 1516.2 | 1512.7 |
| 10°    | 1465.8 | 1469.3 | 1472.7 | 1471.0 | 1470.1 | 1477.9 | 1474.5 | 1477.0 | 1477.0 | 1474.5 | 1475.4 |
| 12.5°  | 1409.4 | 1415.4 | 1419.7 | 1419.7 | 1423.2 | 1431.9 | 1431.0 | 1432.8 | 1439.7 | 1439.7 | 1437.1 |
| 15°    | 1357.2 | 1363.3 | 1370.2 | 1375.5 | 1382.3 | 1388.4 | 1392.8 | 1399.6 | 1403.2 | 1403.2 | 1407.6 |
| 17.5°  | 1316.4 | 1325.0 | 1332.8 | 1335.4 | 1345.0 | 1355.5 | 1358.1 | 1366.7 | 1371.9 | 1374.6 | 1379.8 |
| 20°    | 1276.3 | 1285.9 | 1295.4 | 1304.2 | 1312.9 | 1325.0 | 1331.1 | 1336.3 | 1345.0 | 1350.2 | 1358.1 |
| 22.5°  | 1229.4 | 1244.2 | 1256.4 | 1266.8 | 1281.5 | 1292.0 | 1304.2 | 1312.9 | 1323.2 | 1331.1 | 1337.1 |
| 25°    | 1185.1 | 1205.1 | 1221.7 | 1232.0 | 1252.0 | 1266.8 | 1281.5 | 1294.5 | 1307.7 | 1318.9 | 1327.7 |
| 27.5°  | 1144.4 | 1166.9 | 1186.9 | 1203.4 | 1225.1 | 1248.6 | 1263.4 | 1285.0 | 1302.5 | 1318.0 | 1328.5 |
| 30°    | 1124.3 | 1143.5 | 1164.2 | 1183.3 | 1205.1 | 1234.6 | 1259.0 | 1286.8 | 1308.5 | 1328.5 | 1344.1 |
| 32.5°  | 1128.6 | 1146.0 | 1164.2 | 1180.8 | 1203.4 | 1236.3 | 1261.6 | 1293.6 | 1325.9 | 1351.9 | 1371.9 |
| 35°    | 1163.5 | 1179.0 | 1191.2 | 1206.0 | 1226.0 | 1251.2 | 1278.1 | 1312.0 | 1351.9 | 1386.7 | 1412.8 |
| 37.5°  | 1236.3 | 1240.6 | 1252.9 | 1264.2 | 1274.7 | 1298.1 | 1323.2 | 1351.9 | 1398.0 | 1434.5 | 1471.0 |
| 40°    | 1326.8 | 1338.0 | 1349.3 | 1354.6 | 1366.7 | 1381.5 | 1392.8 | 1423.2 | 1464.1 | 1511.8 | 1551.8 |
| 42.5°  | 1461.5 | 1465.8 | 1467.5 | 1469.3 | 1473.6 | 1484.0 | 1500.5 | 1528.4 | 1568.4 | 1610.9 | 1655.1 |
| 45°    | 1612.5 | 1617.8 | 1623.1 | 1625.7 | 1619.6 | 1625.7 | 1643.0 | 1656.0 | 1695.1 | 1735.2 | 1791.6 |
| 47.5°  | 1822.0 | 1806.3 | 1798.6 | 1809.0 | 1803.8 | 1816.8 | 1824.5 | 1832.5 | 1879.3 | 1927.1 | 1974.9 |
| 50°    | 2090.4 | 2080.9 | 2068.8 | 2069.7 | 2079.1 | 2070.5 | 2075.7 | 2104.4 | 2120.0 | 2160.0 | 2223.5 |
| 52.5°  | 2519.7 | 2490.1 | 2444.1 | 2424.2 | 2435.5 | 2428.5 | 2431.0 | 2437.1 | 2426.7 | 2464.1 | 2517.9 |
| 55°    | 3049.7 | 3011.5 | 2981.0 | 2963.7 | 2899.4 | 2894.2 | 2851.6 | 2835.9 | 2802.0 | 2837.7 | 2825.5 |
| 57.5°  | 3427.7 | 3403.3 | 3387.7 | 3335.6 | 3306.0 | 3246.9 | 3229.6 | 3208.7 | 3161.8 | 3185.2 | 3206.1 |
| 60°    | 4157.4 | 4070.6 | 4041.0 | 3949.8 | 3919.5 | 3862.9 | 3790.8 | 3755.3 | 3730.9 | 3753.5 | 3739.6 |
| 62.5°  | 5375.6 | 5254.8 | 5231.4 | 5015.1 | 4962.1 | 4831.7 | 4696.2 | 4677.9 | 4601.5 | 4553.7 | 4542.4 |
| 65°    | 6565.2 | 6392.2 | 6262.7 | 6026.4 | 5866.5 | 5680.6 | 5473.8 | 5322.6 | 5167.1 | 5088.9 | 4985.5 |
| 66°    | 6653.7 | 6585.0 | 6454.7 | 6316.6 | 6083.7 | 5880.5 | 5645.8 | 5482.4 | 5307.8 | 5170.6 | 5081.9 |
| 67.5°  | 6502.5 | 6466.1 | 6420.0 | 6326.1 | 6180.2 | 5990.8 | 5768.4 | 5559.8 | 5349.6 | 5187.9 | 5046.3 |
| 70°    | 5496.4 | 5536.3 | 5588.4 | 5564.2 | 5480.8 | 5406.9 | 5210.6 | 5094.1 | 4936.0 | 4724.0 | 4637.1 |
| 72.5°  | 4148.8 | 4255.7 | 4219.2 | 4081.9 | 4017.6 | 3966.4 | 3895.1 | 3816.9 | 3590.2 | 3564.0 | 3461.5 |
| 75°    | 2669.1 | 2633.5 | 2657.0 | 2490.1 | 2376.4 | 2329.5 | 2160.0 | 2090.4 | 1920.1 | 1809.8 | 1725.6 |
| 77.5°  | 1406.7 | 1337.1 | 1283.3 | 1136.4 | 1031.3 | 969.6  | 887.1  | 789.8  | 640.3  | 631.7  | 495.2  |
| 80°    | 652.5  | 599.5  | 550.9  | 499.5  | 448.3  | 380.5  | 330.1  | 269.3  | 238.1  | 204.2  | 190.4  |
| 82.5°  | 443.1  | 409.3  | 379.7  | 345.8  | 306.7  | 259.8  | 224.1  | 190.4  | 162.4  | 146.0  | 132.9  |
| 85°    | 401.5  | 364.9  | 331.9  | 289.3  | 248.5  | 209.3  | 171.1  | 141.7  | 115.5  | 100.8  | 92.1   |
| 87.5°  | 390.1  | 344.9  | 310.2  | 264.1  | 224.1  | 184.2  | 147.7  | 114.7  | 89.5   | 73.0   | 62.5   |
| 90°    | 49.6   | 53.0   | 38.3   | 36.5   | 15.6   | 20.0   | 14.7   | 8.7    | 9.5    | 7.0    | 7.8    |
| 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: P271803

CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7027

**CANDELA DISTRIBUTION (continued):**

|        | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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: P271803

CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7027

**CANDELA DISTRIBUTION (continued):**

|        | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 |
| 2.5°   | 1555.2 | 1552.6 | 1555.2 | 1554.3 | 1550.9 | 1551.8 | 1552.6 | 1549.1 | 1547.4 | 1547.4 | 1546.6 |
| 5°     | 1541.3 | 1539.7 | 1541.3 | 1540.5 | 1535.2 | 1534.5 | 1534.5 | 1531.8 | 1528.4 | 1525.7 | 1524.0 |
| 7.5°   | 1508.3 | 1510.1 | 1509.2 | 1506.5 | 1504.0 | 1504.0 | 1501.3 | 1495.3 | 1491.8 | 1488.3 | 1484.9 |
| 10°    | 1471.0 | 1471.0 | 1471.9 | 1471.0 | 1466.7 | 1464.9 | 1461.5 | 1457.9 | 1458.8 | 1450.1 | 1443.1 |
| 12.5°  | 1438.0 | 1438.0 | 1437.1 | 1435.3 | 1432.8 | 1431.9 | 1431.9 | 1421.5 | 1418.9 | 1416.3 | 1408.5 |
| 15°    | 1406.7 | 1408.5 | 1408.5 | 1408.5 | 1404.1 | 1404.1 | 1399.6 | 1392.8 | 1392.8 | 1385.0 | 1377.1 |
| 17.5°  | 1382.3 | 1385.0 | 1384.1 | 1385.0 | 1385.8 | 1380.7 | 1372.8 | 1368.5 | 1363.3 | 1358.9 | 1348.4 |
| 20°    | 1361.5 | 1363.3 | 1364.1 | 1364.1 | 1361.5 | 1358.1 | 1351.1 | 1344.1 | 1340.6 | 1332.0 | 1318.9 |
| 22.5°  | 1342.3 | 1345.9 | 1346.6 | 1346.6 | 1343.2 | 1340.6 | 1333.7 | 1323.2 | 1316.4 | 1305.9 | 1293.6 |
| 25°    | 1334.5 | 1338.9 | 1336.3 | 1338.0 | 1334.5 | 1328.5 | 1318.9 | 1310.3 | 1299.8 | 1286.8 | 1273.8 |
| 27.5°  | 1337.1 | 1343.2 | 1341.5 | 1340.6 | 1336.3 | 1332.0 | 1319.8 | 1309.4 | 1297.2 | 1281.5 | 1265.0 |
| 30°    | 1352.8 | 1363.3 | 1358.9 | 1355.5 | 1354.6 | 1344.1 | 1332.8 | 1318.0 | 1304.2 | 1285.9 | 1266.8 |
| 32.5°  | 1382.3 | 1387.5 | 1388.4 | 1385.8 | 1381.5 | 1372.8 | 1357.2 | 1338.0 | 1322.5 | 1300.7 | 1278.1 |
| 35°    | 1431.0 | 1436.2 | 1434.5 | 1434.5 | 1430.1 | 1416.3 | 1397.1 | 1378.0 | 1356.4 | 1332.0 | 1308.5 |
| 37.5°  | 1498.8 | 1508.3 | 1506.5 | 1503.1 | 1497.9 | 1481.5 | 1466.7 | 1443.1 | 1418.9 | 1386.7 | 1359.8 |
| 40°    | 1583.9 | 1598.7 | 1611.6 | 1609.1 | 1597.0 | 1582.2 | 1568.4 | 1541.3 | 1517.1 | 1481.5 | 1451.9 |
| 42.5°  | 1698.7 | 1718.5 | 1735.2 | 1747.2 | 1742.0 | 1722.9 | 1698.7 | 1687.4 | 1652.6 | 1616.1 | 1585.7 |
| 45°    | 1845.5 | 1887.2 | 1901.9 | 1916.7 | 1916.7 | 1904.6 | 1899.4 | 1876.6 | 1840.3 | 1791.6 | 1762.9 |
| 47.5°  | 2039.2 | 2094.8 | 2111.4 | 2136.5 | 2151.4 | 2138.2 | 2128.7 | 2090.4 | 2066.1 | 1999.3 | 1992.4 |
| 50°    | 2274.7 | 2330.2 | 2375.5 | 2405.0 | 2400.7 | 2411.9 | 2389.3 | 2367.7 | 2333.8 | 2279.0 | 2259.9 |
| 52.5°  | 2575.4 | 2619.5 | 2660.4 | 2677.8 | 2696.0 | 2693.5 | 2688.3 | 2673.4 | 2630.9 | 2601.3 | 2552.7 |
| 55°    | 2883.8 | 2920.2 | 2969.8 | 2998.5 | 3021.9 | 3017.6 | 2997.6 | 2961.9 | 2969.8 | 2908.0 | 2881.1 |
| 57.5°  | 3234.8 | 3274.7 | 3328.6 | 3355.5 | 3365.9 | 3418.9 | 3405.9 | 3401.6 | 3386.8 | 3365.1 | 3337.3 |
| 60°    | 3838.5 | 3850.0 | 3894.2 | 3962.1 | 4045.3 | 4028.9 | 4049.8 | 4063.7 | 4074.2 | 4025.5 | 4021.9 |
| 62.5°  | 4558.0 | 4571.9 | 4610.2 | 4624.0 | 4636.2 | 4637.9 | 4610.2 | 4610.2 | 4562.4 | 4499.8 | 4451.2 |
| 65°    | 4950.8 | 4922.2 | 4896.0 | 4881.3 | 4849.1 | 4820.5 | 4778.7 | 4722.3 | 4641.5 | 4545.1 | 4458.1 |
| 66°    | 5007.2 | 4949.0 | 4915.2 | 4877.8 | 4826.5 | 4773.5 | 4724.0 | 4646.7 | 4551.9 | 4437.3 | 4322.6 |
| 67.5°  | 4952.4 | 4872.6 | 4793.4 | 4738.8 | 4667.5 | 4571.9 | 4485.1 | 4394.7 | 4305.1 | 4147.9 | 4041.0 |
| 70°    | 4452.9 | 4357.3 | 4270.5 | 4150.6 | 4037.6 | 3943.8 | 3794.4 | 3637.1 | 3507.6 | 3342.5 | 3237.4 |
| 72.5°  | 3306.9 | 3193.9 | 3081.0 | 2912.5 | 2748.3 | 2723.9 | 2536.3 | 2351.1 | 2252.1 | 2119.1 | 2012.2 |
| 75°    | 1633.5 | 1491.0 | 1288.5 | 1198.2 | 1067.0 | 1002.7 | 967.0  | 833.3  | 801.1  | 669.9  | 668.2  |
| 77.5°  | 461.4  | 396.2  | 351.9  | 306.7  | 287.5  | 273.7  | 225.9  | 216.3  | 196.4  | 192.9  | 181.5  |
| 80°    | 174.6  | 165.1  | 160.8  | 156.3  | 152.0  | 149.5  | 147.7  | 140.8  | 137.4  | 132.1  | 129.4  |
| 82.5°  | 126.0  | 122.5  | 114.7  | 112.1  | 108.7  | 103.3  | 102.6  | 98.2   | 95.6   | 90.4   | 88.7   |
| 85°    | 85.2   | 80.8   | 76.4   | 72.1   | 70.3   | 69.5   | 66.9   | 65.1   | 63.4   | 60.8   | 60.0   |
| 87.5°  | 57.3   | 53.0   | 47.8   | 46.0   | 45.2   | 46.0   | 46.9   | 45.2   | 44.3   | 42.6   | 41.7   |
| 90°    | 7.0    | 9.5    | 8.7    | 8.7    | 10.4   | 8.7    | 8.7    | 9.5    | 8.7    | 8.7    | 7.8    |
| 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: P271803  
 CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7027

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |        |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 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 | 66°    |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 70°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 72.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 75°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 77.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 80°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 82.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 85°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 87.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 90°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 92.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 95°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 97.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 100°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 102.5° |
|        |     |     |     |     |     |     |     |     |     |     |     | 105°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 107.5° |



'271803  
 ISW-AF-1200-LED-E1-SL3-7027

REPORT NUMBER: P271803  
 CATALOG NUMBER: ISW-AF-1:

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° |        | 115°   | 125°   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|--------|--------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0°     | 1539.7 | 1539.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 2.5°   | 1489.2 | 1475.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 5°     | 1410.2 | 1378.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 7.5°   | 1303.4 | 1242.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 10°    | 1180.8 | 1093.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 12.5°  | 1053.9 | 941.9  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 15°    | 935.8  | 787.2  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 17.5°  | 811.5  | 628.2  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 20°    | 692.4  | 474.3  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 22.5°  | 557.8  | 332.8  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 25°    | 409.3  | 241.6  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 27.5°  | 291.9  | 192.9  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 30°    | 218.1  | 162.4  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 32.5°  | 174.6  | 140.8  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 35°    | 148.6  | 127.6  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 37.5°  | 132.9  | 119.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 40°    | 124.2  | 114.7  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 42.5°  | 119.0  | 110.3  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 45°    | 116.4  | 107.8  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 47.5°  | 114.7  | 104.2  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 50°    | 113.0  | 104.2  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 52.5°  | 113.8  | 106.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 55°    | 118.1  | 106.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 57.5°  | 125.1  | 106.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 60°    | 130.3  | 107.8  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 62.5°  | 132.1  | 111.2  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 65°    | 130.3  | 113.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 66°    | 128.5  | 113.0  |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 67.5°  | 126.0  | 111.2  |
|     |     |     |     |     |     |     |     |     |      | 70°    | 119.9  | 104.2  |
|     |     |     |     |     |     |     |     |     |      | 72.5°  | 107.8  | 93.9   |
|     |     |     |     |     |     |     |     |     |      | 75°    | 92.1   | 75.5   |
|     |     |     |     |     |     |     |     |     |      | 77.5°  | 74.6   | 60.8   |
|     |     |     |     |     |     |     |     |     |      | 80°    | 55.7   | 46.0   |
|     |     |     |     |     |     |     |     |     |      | 82.5°  | 40.9   | 35.7   |
|     |     |     |     |     |     |     |     |     |      | 85°    | 28.7   | 25.2   |
|     |     |     |     |     |     |     |     |     |      | 87.5°  | 17.3   | 15.6   |
|     |     |     |     |     |     |     |     |     |      | 90°    | 4.3    | 4.3    |
|     |     |     |     |     |     |     |     |     |      | 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: P271803

CATALOG NUMBER: ISW-AF-1200-LED-E:

200-LED-E1-SL3-7027

**tinued):**

| 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|
| 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 | 1539.7 |
| 1465.8 | 1464.9 | 1443.1 | 1438.8 | 1424.0 | 1431.9 |
| 1341.5 | 1326.8 | 1287.6 | 1279.8 | 1263.4 | 1259.0 |
| 1192.9 | 1152.1 | 1120.8 | 1086.1 | 1053.0 | 1069.5 |
| 1019.1 | 950.6  | 881.9  | 836.7  | 818.4  | 812.3  |
| 854.1  | 730.7  | 644.7  | 556.1  | 524.8  | 536.1  |
| 654.2  | 513.5  | 398.8  | 347.6  | 318.0  | 312.8  |
| 461.4  | 329.3  | 276.3  | 263.2  | 257.2  | 257.2  |
| 312.8  | 251.1  | 231.1  | 225.0  | 225.0  | 225.9  |
| 238.1  | 211.1  | 202.5  | 203.3  | 206.8  | 207.7  |
| 197.3  | 186.8  | 182.4  | 188.6  | 195.5  | 196.4  |
| 170.3  | 167.7  | 168.5  | 176.3  | 183.3  | 184.2  |
| 149.5  | 152.0  | 155.6  | 162.4  | 168.5  | 170.3  |
| 134.7  | 139.0  | 141.7  | 146.0  | 149.5  | 150.3  |
| 124.2  | 129.4  | 128.5  | 131.2  | 133.8  | 134.7  |
| 118.1  | 120.8  | 118.1  | 119.9  | 119.9  | 121.6  |
| 113.0  | 113.8  | 109.4  | 110.3  | 112.1  | 112.1  |
| 107.8  | 106.9  | 102.6  | 104.2  | 106.9  | 107.8  |
| 102.6  | 100.8  | 97.3   | 100.8  | 105.1  | 106.0  |
| 98.2   | 96.5   | 94.7   | 99.0   | 104.2  | 105.1  |
| 96.5   | 94.7   | 93.0   | 99.0   | 104.2  | 105.1  |
| 96.5   | 94.7   | 93.0   | 97.3   | 102.6  | 103.3  |
| 97.3   | 95.6   | 92.1   | 96.5   | 99.9   | 100.8  |
| 98.2   | 96.5   | 90.4   | 93.0   | 94.7   | 95.6   |
| 98.2   | 94.7   | 88.7   | 89.5   | 89.5   | 90.4   |
| 96.5   | 92.1   | 85.2   | 85.2   | 84.4   | 84.4   |
| 96.5   | 88.7   | 81.7   | 79.9   | 78.2   | 78.2   |
| 95.6   | 87.8   | 80.8   | 78.2   | 75.5   | 75.5   |
| 93.9   | 86.0   | 79.1   | 75.5   | 73.0   | 73.0   |
| 87.8   | 82.6   | 74.6   | 71.2   | 68.6   | 67.7   |
| 78.2   | 75.5   | 69.5   | 66.9   | 64.3   | 63.4   |
| 66.0   | 66.9   | 63.4   | 61.7   | 59.1   | 58.2   |
| 55.7   | 57.3   | 55.7   | 54.8   | 53.0   | 52.1   |
| 44.3   | 47.8   | 46.0   | 46.0   | 46.9   | 45.2   |
| 33.9   | 38.3   | 36.5   | 38.3   | 40.0   | 37.4   |
| 23.4   | 27.8   | 27.8   | 28.7   | 29.6   | 27.8   |
| 14.7   | 18.2   | 17.3   | 18.2   | 18.2   | 17.3   |
| 3.4    | 6.1    | 3.4    | 5.2    | 4.3    | 3.4    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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 (continued):**

|        | 115° | 125° | 135° |
|--------|------|------|------|
| 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  |

