

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: P227962

Luminaire Tested: **ISS-AF-600-LED-E1-T4W-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29757)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-600-LED-E1-T4W-7060  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

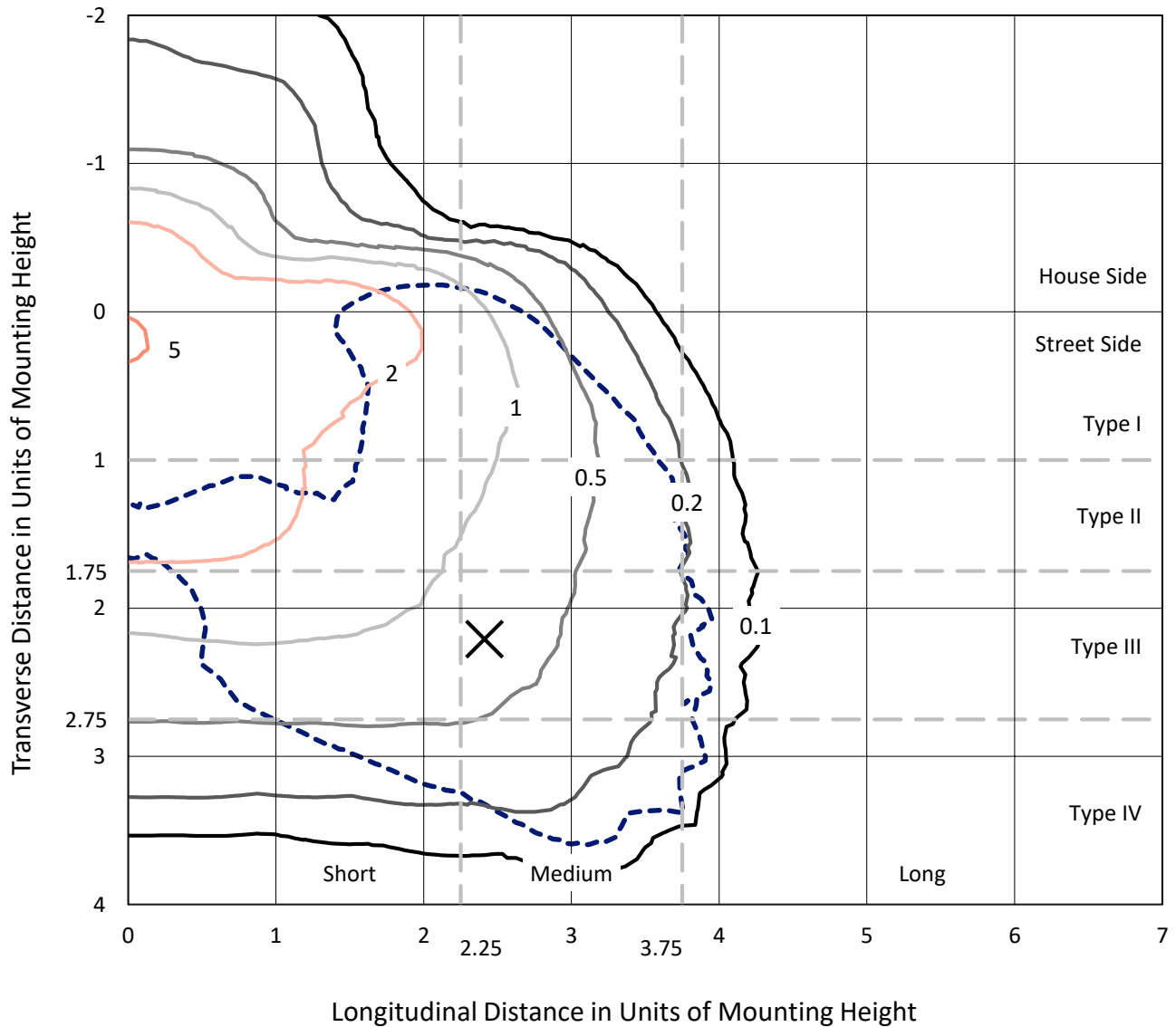
Lumens per Lamp: N/A  
Luminaire Lumens: 3908 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (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

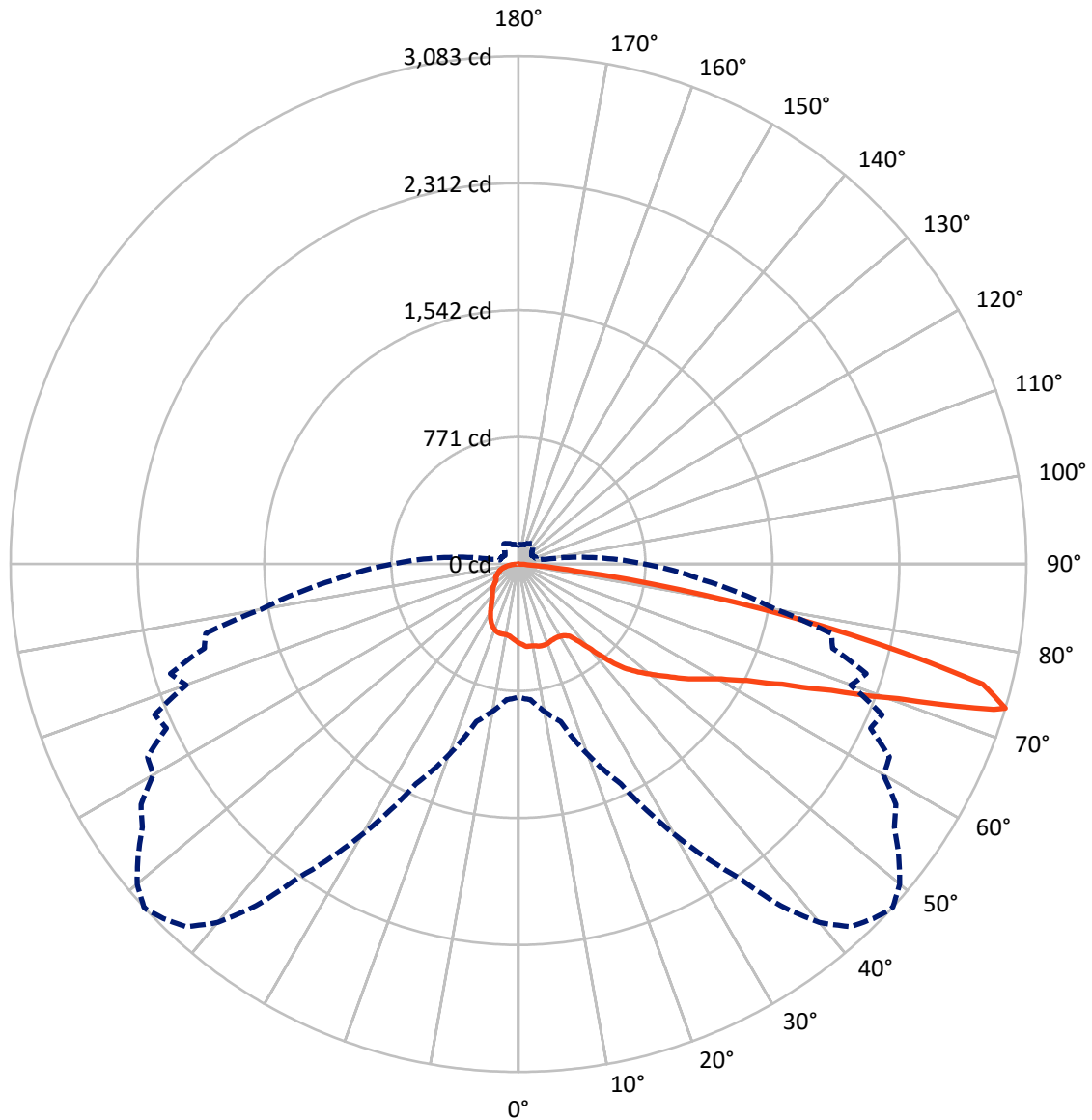
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 780.8    | 0.0    | 780.8  |
|                    | % Fixture | 20.0     | 0.0    | 20.0   |
| <b>Street Side</b> | Lumens    | 3127.2   | 0.0    | 3127.2 |
|                    | % Fixture | 80.0     | 0.0    | 80.0   |
| <b>Total</b>       | Lumens    | 3908.0   | 0.0    | 3908.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.7   | 1.2       |
| 10°-20°   | 136.0  | 3.5       |
| 20°-30°   | 209.0  | 5.3       |
| 30°-40°   | 304.9  | 7.8       |
| 40°-50°   | 502.8  | 12.9      |
| 50°-60°   | 787.2  | 20.1      |
| 60°-70°   | 1067.8 | 27.3      |
| 70°-80°   | 790.7  | 20.2      |
| 80°-90°   | 63.9   | 1.6       |
| 90°-100°  | 0.0    | 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°    | 3908.0 | 100.0     |
| 0°-180°   | 3908.0 | 100.0     |



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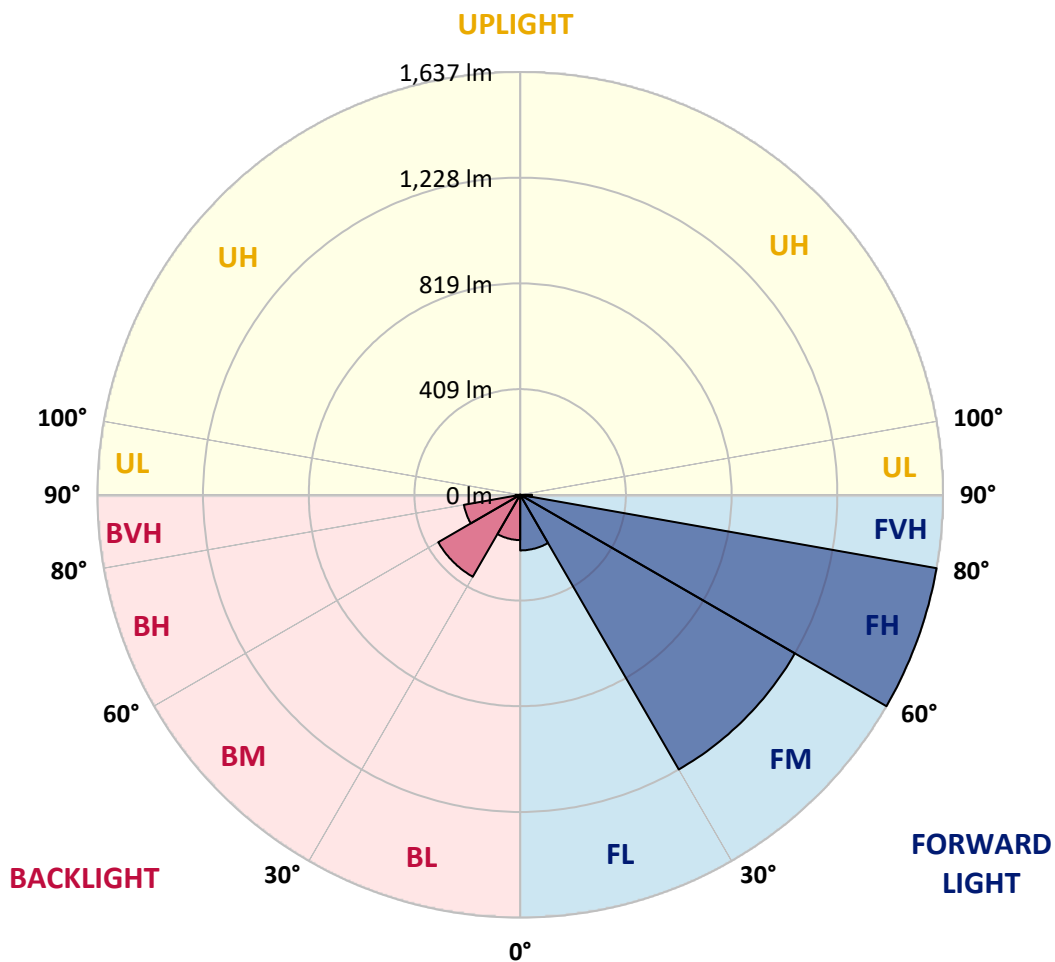
CATALOG NUMBER: ISS-AF-600-LED-E1-T4W-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 215.4  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1228.2 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 1637.5 | 41.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 46.1   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 175.3  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 366.6  | 9.4       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 221.1  | 5.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 17.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47°    | 47.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  |
| 2.5°  | 508.3  | 507.0  | 503.1  | 501.8  | 498.0  | 495.4  | 494.1  | 492.8  | 496.7  | 494.1  | 490.2  |
| 5°    | 540.5  | 538.0  | 532.8  | 525.1  | 517.3  | 512.2  | 510.9  | 508.3  | 508.3  | 505.7  | 503.1  |
| 7.5°  | 563.8  | 562.5  | 554.7  | 543.1  | 530.2  | 521.2  | 516.0  | 512.2  | 513.4  | 510.9  | 503.1  |
| 10°   | 585.7  | 583.1  | 570.2  | 556.0  | 536.7  | 526.3  | 519.9  | 513.4  | 518.6  | 514.7  | 504.4  |
| 12.5° | 602.5  | 599.9  | 581.8  | 563.8  | 541.8  | 530.2  | 523.8  | 519.9  | 525.1  | 522.5  | 510.9  |
| 15°   | 611.5  | 608.9  | 590.8  | 568.9  | 545.7  | 532.8  | 530.2  | 527.6  | 531.5  | 526.3  | 516.0  |
| 17.5° | 606.3  | 606.3  | 589.6  | 566.3  | 547.0  | 534.1  | 530.2  | 527.6  | 532.8  | 527.6  | 516.0  |
| 20°   | 587.0  | 589.6  | 577.9  | 553.4  | 539.2  | 530.2  | 526.3  | 521.2  | 526.3  | 521.2  | 513.4  |
| 22.5° | 562.5  | 565.0  | 558.6  | 536.7  | 526.3  | 519.9  | 518.6  | 513.4  | 517.3  | 513.4  | 505.7  |
| 25°   | 540.5  | 540.5  | 538.0  | 518.6  | 517.3  | 512.2  | 513.4  | 510.9  | 513.4  | 508.3  | 503.1  |
| 27.5° | 541.8  | 541.8  | 531.5  | 512.2  | 510.9  | 510.9  | 510.9  | 510.9  | 512.2  | 508.3  | 503.1  |
| 30°   | 617.9  | 620.5  | 590.8  | 536.7  | 517.3  | 514.7  | 516.0  | 514.7  | 516.0  | 514.7  | 508.3  |
| 32.5° | 732.8  | 732.8  | 704.4  | 620.5  | 552.1  | 535.4  | 528.9  | 527.6  | 523.8  | 522.5  | 517.3  |
| 35°   | 846.3  | 845.0  | 816.6  | 723.7  | 637.3  | 605.0  | 584.4  | 565.0  | 556.0  | 547.0  | 538.0  |
| 37.5° | 941.7  | 937.9  | 934.0  | 828.2  | 737.9  | 700.5  | 676.0  | 647.6  | 629.6  | 614.1  | 593.4  |
| 40°   | 1030.8 | 1037.2 | 1051.4 | 925.0  | 838.5  | 803.7  | 779.2  | 743.1  | 725.0  | 705.7  | 681.2  |
| 42.5° | 1153.3 | 1162.3 | 1163.6 | 1029.5 | 930.1  | 906.9  | 887.6  | 860.5  | 841.1  | 817.9  | 796.0  |
| 45°   | 1272.0 | 1273.3 | 1277.2 | 1141.7 | 1042.4 | 1012.7 | 998.5  | 972.7  | 948.2  | 918.5  | 900.5  |
| 47.5° | 1353.3 | 1349.4 | 1366.2 | 1270.7 | 1174.0 | 1140.4 | 1119.8 | 1081.1 | 1043.7 | 1006.2 | 979.2  |
| 50°   | 1452.6 | 1448.7 | 1448.7 | 1417.8 | 1326.2 | 1287.5 | 1251.4 | 1179.1 | 1139.1 | 1092.7 | 1054.0 |
| 52.5° | 1540.3 | 1526.1 | 1535.2 | 1553.2 | 1486.2 | 1437.1 | 1373.9 | 1292.6 | 1239.7 | 1183.0 | 1134.0 |
| 55°   | 1660.3 | 1586.8 | 1607.4 | 1670.6 | 1644.8 | 1568.7 | 1484.9 | 1398.4 | 1337.8 | 1273.3 | 1228.1 |
| 57.5° | 1619.0 | 1568.7 | 1629.3 | 1740.3 | 1739.0 | 1668.1 | 1597.1 | 1491.3 | 1430.7 | 1370.0 | 1314.6 |
| 60°   | 1470.7 | 1496.5 | 1628.1 | 1788.0 | 1794.5 | 1739.0 | 1681.0 | 1582.9 | 1535.2 | 1472.0 | 1416.5 |
| 62.5° | 1355.9 | 1393.3 | 1573.9 | 1784.2 | 1857.7 | 1806.1 | 1758.4 | 1700.3 | 1666.8 | 1613.9 | 1557.1 |
| 65°   | 1349.4 | 1371.3 | 1546.8 | 1780.3 | 1946.7 | 1919.6 | 1897.7 | 1870.6 | 1864.1 | 1825.4 | 1759.6 |
| 67.5° | 1411.3 | 1432.0 | 1593.2 | 1879.6 | 2078.3 | 2066.7 | 2098.9 | 2093.8 | 2122.2 | 2102.8 | 2048.6 |
| 70°   | 1290.1 | 1301.7 | 1500.3 | 1914.5 | 2378.9 | 2430.5 | 2502.7 | 2498.9 | 2559.5 | 2513.0 | 2449.8 |
| 72.5° | 905.6  | 928.8  | 1104.3 | 1581.6 | 2385.3 | 2661.4 | 2829.1 | 2971.0 | 3036.8 | 3048.4 | 3018.7 |
| 73°   | 808.9  | 826.9  | 989.5  | 1473.3 | 2320.8 | 2615.0 | 2840.7 | 2986.5 | 3044.5 | 3080.7 | 3083.2 |
| 75°   | 281.2  | 290.3  | 432.2  | 892.7  | 1855.1 | 2282.1 | 2572.4 | 2704.0 | 2689.8 | 2795.6 | 2911.7 |
| 77.5° | 90.3   | 91.6   | 112.2  | 230.9  | 895.3  | 1416.5 | 1740.3 | 1861.6 | 1791.9 | 1906.7 | 2061.5 |
| 80°   | 55.5   | 58.1   | 73.5   | 104.5  | 234.8  | 429.6  | 727.6  | 910.8  | 873.4  | 980.4  | 1145.6 |
| 82.5° | 33.5   | 34.8   | 45.2   | 64.5   | 94.2   | 104.5  | 136.7  | 185.8  | 228.3  | 274.8  | 359.9  |
| 85°   | 15.5   | 16.8   | 21.9   | 29.7   | 38.7   | 40.0   | 38.7   | 36.1   | 41.3   | 47.7   | 55.5   |
| 87.5° | 0.0    | 0.0    | 1.3    | 2.6    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    | 0.0    |
| 90°   | 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°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  |
| 2.5°  | 494.1  | 490.2  | 490.2  | 485.1  | 487.6  | 482.5  | 485.1  | 479.9  | 482.5  | 476.0  | 479.9  |
| 5°    | 501.8  | 495.4  | 495.4  | 487.6  | 488.9  | 479.9  | 483.8  | 473.5  | 478.6  | 467.0  | 474.7  |
| 7.5°  | 505.7  | 494.1  | 499.3  | 485.1  | 491.5  | 476.0  | 483.8  | 467.0  | 477.3  | 459.3  | 472.2  |
| 10°   | 510.9  | 494.1  | 503.1  | 487.6  | 495.4  | 477.3  | 487.6  | 467.0  | 479.9  | 458.0  | 469.6  |
| 12.5° | 518.6  | 500.5  | 508.3  | 490.2  | 500.5  | 479.9  | 490.2  | 469.6  | 482.5  | 458.0  | 472.2  |
| 15°   | 523.8  | 505.7  | 513.4  | 495.4  | 503.1  | 479.9  | 492.8  | 468.3  | 482.5  | 456.7  | 472.2  |
| 17.5° | 522.5  | 505.7  | 513.4  | 492.8  | 501.8  | 478.6  | 491.5  | 467.0  | 479.9  | 452.8  | 469.6  |
| 20°   | 517.3  | 503.1  | 508.3  | 490.2  | 498.0  | 474.7  | 486.4  | 461.8  | 476.0  | 448.9  | 465.7  |
| 22.5° | 510.9  | 496.7  | 503.1  | 486.4  | 494.1  | 470.9  | 481.2  | 459.3  | 473.5  | 446.4  | 461.8  |
| 25°   | 507.0  | 495.4  | 499.3  | 482.5  | 492.8  | 472.2  | 482.5  | 458.0  | 473.5  | 446.4  | 464.4  |
| 27.5° | 505.7  | 495.4  | 503.1  | 487.6  | 496.7  | 478.6  | 488.9  | 467.0  | 479.9  | 451.5  | 469.6  |
| 30°   | 513.4  | 504.4  | 510.9  | 498.0  | 505.7  | 487.6  | 498.0  | 477.3  | 490.2  | 463.1  | 483.8  |
| 32.5° | 522.5  | 513.4  | 519.9  | 508.3  | 519.9  | 501.8  | 514.7  | 494.1  | 509.6  | 482.5  | 501.8  |
| 35°   | 541.8  | 531.5  | 540.5  | 527.6  | 540.5  | 526.3  | 540.5  | 518.6  | 538.0  | 510.9  | 531.5  |
| 37.5° | 592.1  | 563.8  | 572.8  | 558.6  | 571.5  | 553.4  | 577.9  | 556.0  | 577.9  | 552.1  | 580.5  |
| 40°   | 672.1  | 621.8  | 630.8  | 601.2  | 620.5  | 593.4  | 623.1  | 606.3  | 636.0  | 603.7  | 639.9  |
| 42.5° | 776.6  | 728.9  | 719.9  | 674.7  | 691.5  | 659.2  | 688.9  | 659.2  | 699.2  | 668.3  | 713.4  |
| 45°   | 872.1  | 821.8  | 807.6  | 763.7  | 775.3  | 732.8  | 770.2  | 728.9  | 781.8  | 745.7  | 802.4  |
| 47.5° | 950.8  | 891.4  | 879.8  | 829.5  | 850.2  | 810.2  | 856.6  | 812.7  | 877.2  | 841.1  | 906.9  |
| 50°   | 1023.0 | 949.5  | 946.9  | 892.7  | 927.6  | 887.6  | 953.4  | 923.7  | 986.9  | 950.8  | 1028.2 |
| 52.5° | 1105.6 | 1012.7 | 1025.6 | 976.6  | 1032.0 | 998.5  | 1074.6 | 1032.0 | 1114.6 | 1075.9 | 1161.1 |
| 55°   | 1193.3 | 1095.3 | 1128.8 | 1099.1 | 1164.9 | 1143.0 | 1207.5 | 1168.8 | 1250.1 | 1211.4 | 1301.7 |
| 57.5° | 1290.1 | 1206.2 | 1265.6 | 1251.4 | 1309.4 | 1282.3 | 1354.6 | 1319.7 | 1401.0 | 1368.8 | 1459.1 |
| 60°   | 1416.5 | 1361.0 | 1419.1 | 1417.8 | 1468.1 | 1466.8 | 1513.2 | 1492.6 | 1570.0 | 1555.8 | 1638.4 |
| 62.5° | 1580.3 | 1536.5 | 1598.4 | 1581.6 | 1642.2 | 1631.9 | 1688.7 | 1688.7 | 1744.2 | 1763.5 | 1846.1 |
| 65°   | 1800.9 | 1742.9 | 1816.4 | 1790.6 | 1851.2 | 1853.8 | 1889.9 | 1896.4 | 1963.5 | 1985.4 | 2056.4 |
| 67.5° | 2100.2 | 2033.1 | 2091.2 | 2042.2 | 2111.8 | 2108.0 | 2138.9 | 2151.8 | 2160.9 | 2213.7 | 2221.5 |
| 70°   | 2531.1 | 2430.5 | 2483.4 | 2416.3 | 2429.2 | 2438.2 | 2380.2 | 2422.7 | 2319.5 | 2403.4 | 2289.9 |
| 72.5° | 2996.8 | 2882.0 | 2790.4 | 2723.3 | 2590.4 | 2571.1 | 2402.1 | 2438.2 | 2218.9 | 2291.2 | 2061.5 |
| 73°   | 3021.3 | 2910.4 | 2786.5 | 2716.9 | 2559.5 | 2538.8 | 2358.2 | 2389.2 | 2146.7 | 2215.0 | 1973.8 |
| 75°   | 2746.5 | 2776.2 | 2478.2 | 2506.6 | 2233.1 | 2265.3 | 1982.8 | 2018.9 | 1720.9 | 1772.5 | 1461.6 |
| 77.5° | 1851.2 | 1950.6 | 1616.4 | 1741.6 | 1402.3 | 1527.4 | 1144.3 | 1155.9 | 843.7  | 788.2  | 535.4  |
| 80°   | 917.2  | 1002.4 | 710.8  | 776.6  | 521.2  | 512.2  | 312.2  | 259.3  | 220.6  | 225.8  | 232.2  |
| 82.5° | 264.5  | 298.0  | 184.5  | 183.2  | 130.3  | 123.8  | 123.8  | 131.6  | 134.2  | 149.6  | 145.8  |
| 85°   | 50.3   | 60.6   | 52.9   | 71.0   | 63.2   | 69.7   | 64.5   | 74.8   | 69.7   | 86.4   | 74.8   |
| 87.5° | 1.3    | 0.0    | 1.3    | 3.9    | 3.9    | 9.0    | 6.5    | 10.3   | 10.3   | 18.1   | 16.8   |
| 90°   | 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):**

|       | 77.5°  | 80°    | 85°    | 90°    | 95°    | 100°   | 102.5° | 105°  | 107.5° | 110°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| 0°    | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9  | 479.9 | 479.9  | 479.9 | 479.9  |
| 2.5°  | 474.7  | 481.2  | 478.6  | 476.0  | 473.5  | 472.2  | 467.0  | 469.6 | 463.1  | 468.3 | 463.1  |
| 5°    | 464.4  | 472.2  | 468.3  | 463.1  | 460.6  | 458.0  | 448.9  | 455.4 | 445.1  | 454.1 | 446.4  |
| 7.5°  | 452.8  | 465.7  | 461.8  | 456.7  | 451.5  | 448.9  | 430.9  | 445.1 | 429.6  | 442.5 | 429.6  |
| 10°   | 448.9  | 463.1  | 458.0  | 451.5  | 446.4  | 443.8  | 421.9  | 438.6 | 421.9  | 436.0 | 419.3  |
| 12.5° | 446.4  | 463.1  | 455.4  | 448.9  | 443.8  | 439.9  | 415.4  | 436.0 | 414.1  | 434.8 | 415.4  |
| 15°   | 443.8  | 463.1  | 452.8  | 445.1  | 439.9  | 436.0  | 410.2  | 433.5 | 408.9  | 432.2 | 410.2  |
| 17.5° | 441.2  | 459.3  | 450.2  | 441.2  | 436.0  | 433.5  | 405.1  | 429.6 | 403.8  | 429.6 | 407.7  |
| 20°   | 437.3  | 455.4  | 445.1  | 436.0  | 430.9  | 427.0  | 398.6  | 424.4 | 397.3  | 423.1 | 398.6  |
| 22.5° | 432.2  | 451.5  | 442.5  | 433.5  | 428.3  | 421.9  | 390.9  | 418.0 | 389.6  | 415.4 | 392.2  |
| 25°   | 433.5  | 454.1  | 442.5  | 433.5  | 425.7  | 419.3  | 385.7  | 415.4 | 383.1  | 408.9 | 383.1  |
| 27.5° | 439.9  | 458.0  | 446.4  | 438.6  | 428.3  | 420.6  | 385.7  | 412.8 | 380.6  | 402.5 | 375.4  |
| 30°   | 452.8  | 470.9  | 460.6  | 448.9  | 439.9  | 429.6  | 392.2  | 414.1 | 380.6  | 394.8 | 367.7  |
| 32.5° | 474.7  | 491.5  | 481.2  | 472.2  | 461.8  | 446.4  | 405.1  | 420.6 | 383.1  | 389.6 | 361.2  |
| 35°   | 503.1  | 523.8  | 518.6  | 512.2  | 499.3  | 472.2  | 427.0  | 429.6 | 388.3  | 384.4 | 352.2  |
| 37.5° | 549.6  | 577.9  | 576.7  | 575.4  | 561.2  | 512.2  | 451.5  | 447.7 | 393.5  | 380.6 | 340.6  |
| 40°   | 610.2  | 643.7  | 652.8  | 661.8  | 632.1  | 559.9  | 479.9  | 465.7 | 396.0  | 372.8 | 322.5  |
| 42.5° | 681.2  | 726.3  | 753.4  | 770.2  | 716.0  | 612.8  | 512.2  | 486.4 | 396.0  | 361.2 | 301.9  |
| 45°   | 768.9  | 821.8  | 873.4  | 891.4  | 808.9  | 669.5  | 545.7  | 503.1 | 390.9  | 343.2 | 274.8  |
| 47.5° | 876.0  | 937.9  | 1008.8 | 1017.9 | 909.5  | 730.2  | 568.9  | 514.7 | 374.1  | 318.6 | 250.3  |
| 50°   | 994.6  | 1069.5 | 1174.0 | 1167.5 | 1016.6 | 793.4  | 584.4  | 522.5 | 344.4  | 290.3 | 220.6  |
| 52.5° | 1127.5 | 1221.7 | 1370.0 | 1340.4 | 1146.9 | 872.1  | 598.6  | 532.8 | 308.3  | 256.7 | 190.9  |
| 55°   | 1293.9 | 1406.2 | 1591.9 | 1528.7 | 1291.4 | 958.5  | 619.2  | 534.1 | 260.6  | 216.7 | 169.0  |
| 57.5° | 1473.3 | 1593.2 | 1830.6 | 1715.8 | 1426.8 | 1025.6 | 610.2  | 492.8 | 212.9  | 183.2 | 152.2  |
| 60°   | 1688.7 | 1834.5 | 2069.3 | 1889.9 | 1540.3 | 1048.8 | 547.0  | 406.4 | 181.9  | 165.1 | 144.5  |
| 62.5° | 1929.9 | 2074.4 | 2265.3 | 2011.2 | 1604.8 | 1010.1 | 406.4  | 281.2 | 156.1  | 147.1 | 132.9  |
| 65°   | 2186.7 | 2323.4 | 2359.5 | 2021.5 | 1562.3 | 839.8  | 251.6  | 184.5 | 135.5  | 131.6 | 122.6  |
| 67.5° | 2422.7 | 2435.6 | 2270.5 | 1853.8 | 1355.9 | 585.7  | 171.6  | 147.1 | 125.1  | 123.8 | 118.7  |
| 70°   | 2483.4 | 2260.2 | 1887.4 | 1443.6 | 979.2  | 348.3  | 139.3  | 127.7 | 120.0  | 120.0 | 116.1  |
| 72.5° | 2074.4 | 1720.9 | 1261.7 | 874.7  | 534.1  | 185.8  | 118.7  | 116.1 | 113.5  | 113.5 | 110.9  |
| 73°   | 1945.4 | 1585.5 | 1130.1 | 763.7  | 451.5  | 166.4  | 116.1  | 113.5 | 112.2  | 110.9 | 109.7  |
| 75°   | 1292.6 | 995.9  | 641.2  | 387.0  | 210.3  | 120.0  | 103.2  | 103.2 | 101.9  | 103.2 | 101.9  |
| 77.5° | 498.0  | 375.4  | 247.7  | 166.4  | 120.0  | 94.2   | 87.7   | 89.0  | 87.7   | 90.3  | 89.0   |
| 80°   | 219.3  | 216.7  | 163.8  | 117.4  | 87.7   | 71.0   | 71.0   | 71.0  | 72.2   | 73.5  | 73.5   |
| 82.5° | 149.6  | 126.4  | 96.8   | 72.2   | 52.9   | 51.6   | 52.9   | 52.9  | 54.2   | 55.5  | 54.2   |
| 85°   | 82.6   | 69.7   | 51.6   | 32.3   | 28.4   | 34.8   | 34.8   | 34.8  | 33.5   | 33.5  | 32.3   |
| 87.5° | 25.8   | 19.4   | 14.2   | 3.9    | 6.5    | 6.5    | 9.0    | 7.7   | 7.7    | 9.0   | 9.0    |
| 90°   | 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):**

|       | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  | 155°  | 165°  |
|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 479.9 | 479.9  | 479.9 | 479.9  | 479.9 | 479.9  | 479.9 | 479.9 | 479.9 | 479.9 | 479.9 |
| 2.5°  | 468.3 | 464.4  | 468.3 | 461.8  | 467.0 | 461.8  | 465.7 | 465.7 | 464.4 | 464.4 | 464.4 |
| 5°    | 452.8 | 446.4  | 452.8 | 448.9  | 452.8 | 447.7  | 451.5 | 452.8 | 454.1 | 458.0 | 456.7 |
| 7.5°  | 441.2 | 428.3  | 442.5 | 429.6  | 441.2 | 429.6  | 439.9 | 441.2 | 445.1 | 450.2 | 454.1 |
| 10°   | 436.0 | 419.3  | 436.0 | 420.6  | 434.8 | 421.9  | 434.8 | 436.0 | 439.9 | 446.4 | 452.8 |
| 12.5° | 433.5 | 415.4  | 433.5 | 418.0  | 433.5 | 420.6  | 433.5 | 437.3 | 439.9 | 445.1 | 452.8 |
| 15°   | 430.9 | 412.8  | 433.5 | 416.7  | 433.5 | 420.6  | 434.8 | 437.3 | 441.2 | 446.4 | 452.8 |
| 17.5° | 429.6 | 408.9  | 430.9 | 415.4  | 430.9 | 418.0  | 433.5 | 433.5 | 438.6 | 445.1 | 448.9 |
| 20°   | 424.4 | 405.1  | 424.4 | 408.9  | 424.4 | 412.8  | 425.7 | 425.7 | 430.9 | 433.5 | 439.9 |
| 22.5° | 416.7 | 396.0  | 414.1 | 399.9  | 414.1 | 402.5  | 412.8 | 412.8 | 416.7 | 420.6 | 424.4 |
| 25°   | 405.1 | 385.7  | 401.2 | 388.3  | 398.6 | 388.3  | 396.0 | 394.8 | 397.3 | 399.9 | 402.5 |
| 27.5° | 392.2 | 372.8  | 385.7 | 371.5  | 378.0 | 367.7  | 372.8 | 370.2 | 371.5 | 372.8 | 374.1 |
| 30°   | 378.0 | 358.6  | 365.1 | 352.2  | 353.5 | 343.2  | 345.7 | 341.9 | 340.6 | 339.3 | 336.7 |
| 32.5° | 362.5 | 341.9  | 341.9 | 329.0  | 326.4 | 317.4  | 317.4 | 312.2 | 308.3 | 303.2 | 298.0 |
| 35°   | 343.2 | 325.1  | 316.1 | 305.7  | 300.6 | 291.6  | 290.3 | 283.8 | 274.8 | 265.8 | 260.6 |
| 37.5° | 323.8 | 303.2  | 290.3 | 279.9  | 274.8 | 268.3  | 267.0 | 261.9 | 251.6 | 241.2 | 233.5 |
| 40°   | 298.0 | 277.4  | 263.2 | 259.3  | 255.4 | 250.3  | 251.6 | 245.1 | 234.8 | 223.2 | 216.7 |
| 42.5° | 272.2 | 254.1  | 242.5 | 241.2  | 238.7 | 237.4  | 238.7 | 233.5 | 221.9 | 211.6 | 203.8 |
| 45°   | 250.3 | 232.2  | 220.6 | 219.3  | 218.0 | 223.2  | 224.5 | 223.2 | 210.3 | 200.0 | 189.6 |
| 47.5° | 228.3 | 206.4  | 198.7 | 196.1  | 197.4 | 205.1  | 207.7 | 211.6 | 200.0 | 188.3 | 174.2 |
| 50°   | 202.5 | 181.9  | 179.3 | 176.7  | 178.0 | 184.5  | 190.9 | 198.7 | 188.3 | 171.6 | 152.2 |
| 52.5° | 179.3 | 161.3  | 162.5 | 160.0  | 162.5 | 167.7  | 172.9 | 185.8 | 172.9 | 156.1 | 147.1 |
| 55°   | 161.3 | 147.1  | 149.6 | 147.1  | 149.6 | 156.1  | 160.0 | 170.3 | 170.3 | 166.4 | 158.7 |
| 57.5° | 148.4 | 138.0  | 140.6 | 138.0  | 141.9 | 147.1  | 150.9 | 172.9 | 185.8 | 175.4 | 160.0 |
| 60°   | 140.6 | 131.6  | 132.9 | 130.3  | 132.9 | 140.6  | 148.4 | 174.2 | 194.8 | 174.2 | 162.5 |
| 62.5° | 129.0 | 121.3  | 120.0 | 120.0  | 122.6 | 135.5  | 139.3 | 162.5 | 192.2 | 172.9 | 163.8 |
| 65°   | 121.3 | 114.8  | 113.5 | 112.2  | 114.8 | 123.8  | 127.7 | 150.9 | 185.8 | 163.8 | 148.4 |
| 67.5° | 117.4 | 112.2  | 109.7 | 107.1  | 109.7 | 117.4  | 121.3 | 141.9 | 175.4 | 156.1 | 139.3 |
| 70°   | 113.5 | 108.4  | 107.1 | 104.5  | 105.8 | 110.9  | 116.1 | 130.3 | 166.4 | 147.1 | 130.3 |
| 72.5° | 108.4 | 103.2  | 101.9 | 98.0   | 99.3  | 104.5  | 107.1 | 122.6 | 154.8 | 138.0 | 121.3 |
| 73°   | 107.1 | 101.9  | 100.6 | 96.8   | 98.0  | 101.9  | 104.5 | 120.0 | 152.2 | 136.7 | 120.0 |
| 75°   | 100.6 | 95.5   | 94.2  | 91.6   | 92.9  | 92.9   | 95.5  | 109.7 | 144.5 | 129.0 | 112.2 |
| 77.5° | 89.0  | 85.1   | 83.9  | 81.3   | 80.0  | 78.7   | 82.6  | 96.8  | 131.6 | 116.1 | 90.3  |
| 80°   | 73.5  | 69.7   | 68.4  | 63.2   | 63.2  | 63.2   | 68.4  | 82.6  | 98.0  | 83.9  | 69.7  |
| 82.5° | 54.2  | 51.6   | 51.6  | 47.7   | 46.4  | 45.2   | 49.0  | 56.8  | 77.4  | 65.8  | 54.2  |
| 85°   | 32.3  | 31.0   | 32.3  | 28.4   | 29.7  | 28.4   | 32.3  | 40.0  | 42.6  | 33.5  | 25.8  |
| 87.5° | 7.7   | 9.0    | 9.0   | 9.0    | 7.7   | 7.7    | 6.5   | 5.2   | 0.0   | 0.0   | 0.0   |
| 90°   | 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):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 479.9 | 479.9 |
| 2.5°  | 463.1 | 461.8 |
| 5°    | 456.7 | 456.7 |
| 7.5°  | 454.1 | 454.1 |
| 10°   | 455.4 | 455.4 |
| 12.5° | 455.4 | 458.0 |
| 15°   | 459.3 | 458.0 |
| 17.5° | 455.4 | 455.4 |
| 20°   | 445.1 | 447.7 |
| 22.5° | 430.9 | 430.9 |
| 25°   | 407.7 | 408.9 |
| 27.5° | 376.7 | 379.3 |
| 30°   | 338.0 | 340.6 |
| 32.5° | 294.1 | 296.7 |
| 35°   | 259.3 | 260.6 |
| 37.5° | 236.1 | 236.1 |
| 40°   | 216.7 | 216.7 |
| 42.5° | 198.7 | 197.4 |
| 45°   | 180.6 | 178.0 |
| 47.5° | 162.5 | 161.3 |
| 50°   | 147.1 | 147.1 |
| 52.5° | 149.6 | 149.6 |
| 55°   | 161.3 | 161.3 |
| 57.5° | 162.5 | 161.3 |
| 60°   | 176.7 | 175.4 |
| 62.5° | 184.5 | 188.3 |
| 65°   | 161.3 | 156.1 |
| 67.5° | 153.5 | 145.8 |
| 70°   | 138.0 | 126.4 |
| 72.5° | 122.6 | 116.1 |
| 73°   | 118.7 | 113.5 |
| 75°   | 105.8 | 103.2 |
| 77.5° | 80.0  | 78.7  |
| 80°   | 67.1  | 65.8  |
| 82.5° | 45.2  | 42.6  |
| 85°   | 19.4  | 18.1  |
| 87.5° | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)