

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: INVUE

Report Number: P675811

Luminaire Tested: **CCW-SA-1C-727-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675811  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-727-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SLL distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

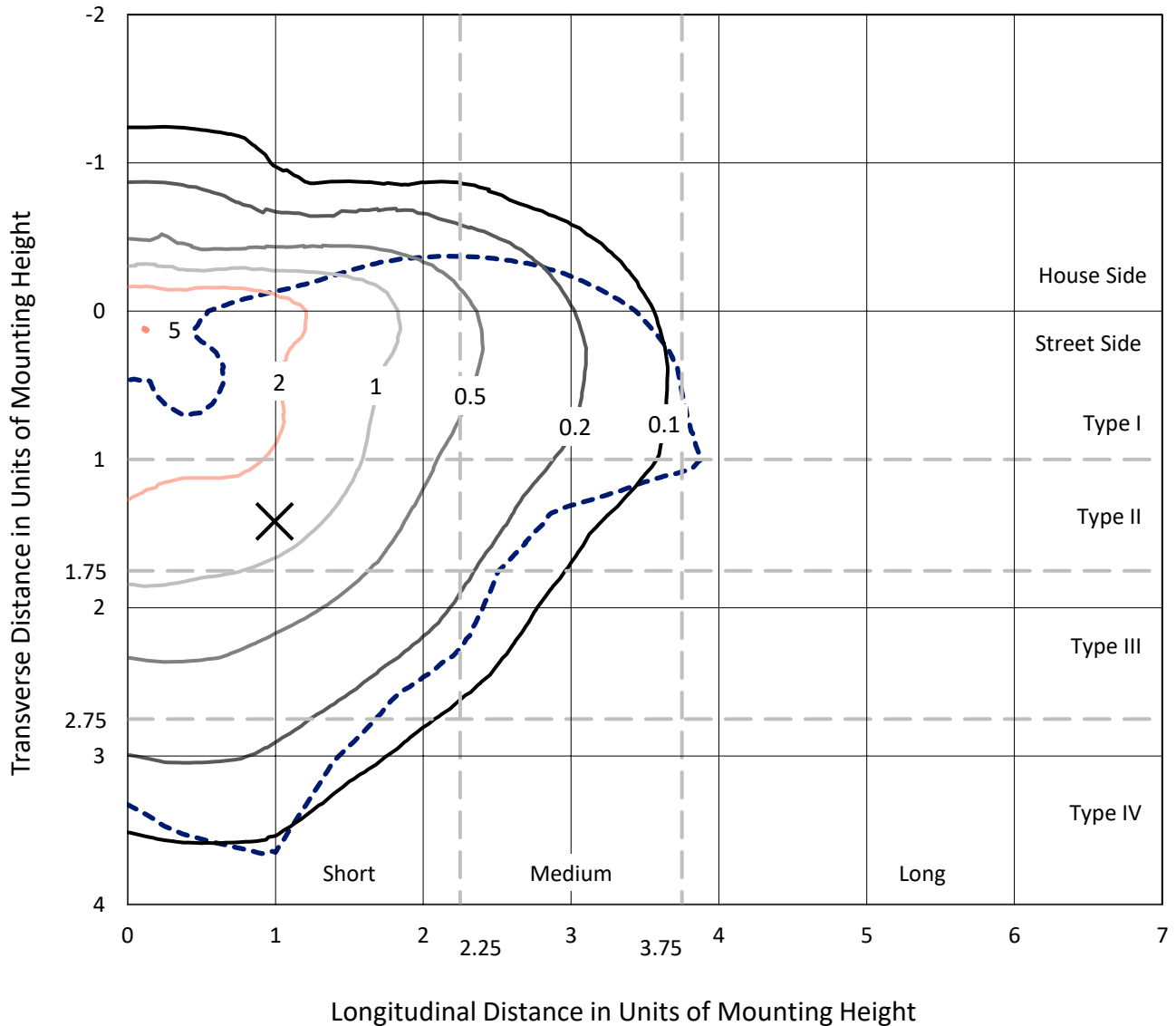
Lumens per Lamp: N/A  
Luminaire Lumens: 3137.3 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 32  
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

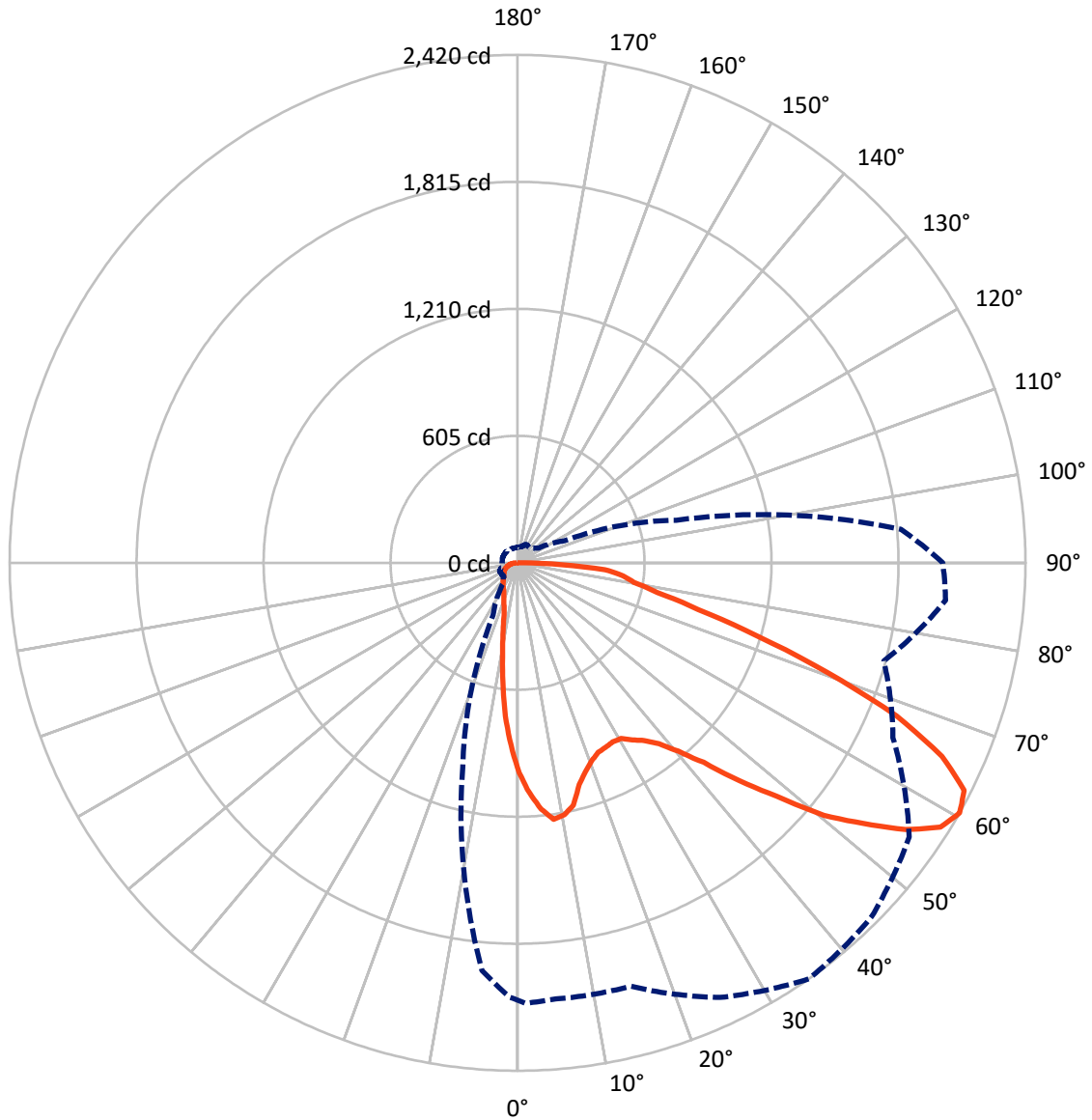
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 597.1    | 0.0    | 597.1  |
|                    | % Fixture | 19.0     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 2540.2   | 0.0    | 2540.2 |
|                    | % Fixture | 81.0     | 0.0    | 81.0   |
| <b>Total</b>       | Lumens    | 3137.3   | 0.0    | 3137.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.8   | 2.5       |
| 10°-20°   | 164.4  | 5.2       |
| 20°-30°   | 240.5  | 7.7       |
| 30°-40°   | 338.8  | 10.8      |
| 40°-50°   | 465.6  | 14.8      |
| 50°-60°   | 634.6  | 20.2      |
| 60°-70°   | 694.5  | 22.1      |
| 70°-80°   | 401.0  | 12.8      |
| 80°-90°   | 120.1  | 3.8       |
| 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°    | 3137.3 | 100.0     |
| 0°-180°   | 3137.3 | 100.0     |

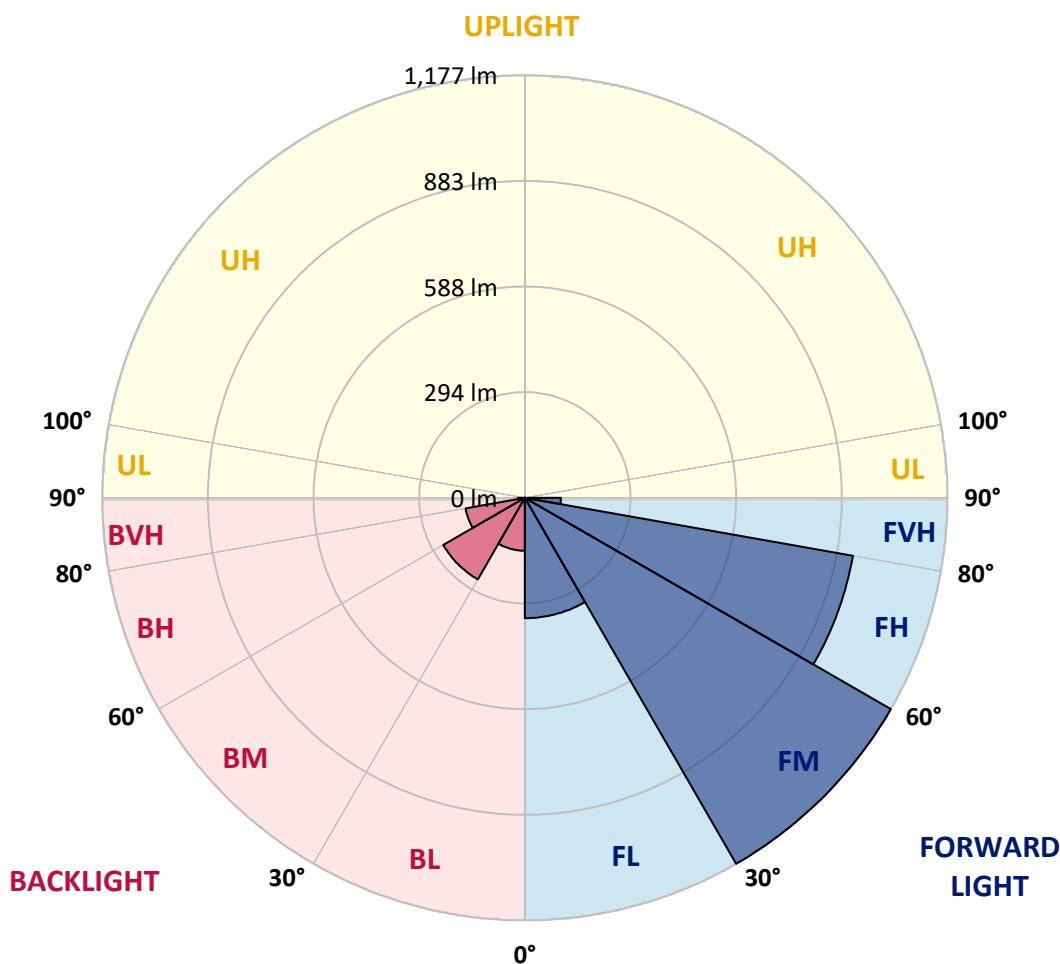


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 335.2  | 10.7      |                         |      |         |
| FM (30°-60°)   | 1176.8 | 37.5      |                         |      |         |
| FH (60°-80°)   | 927.8  | 29.6      |                         |      | G1/1800 |
| FVH (80°-90°)  | 100.5  | 3.2       |                         |      | G2/225  |
| BL (0°-30°)    | 147.5  | 4.7       | B1/500                  |      |         |
| BM (30°-60°)   | 262.3  | 8.4       | B1/1000                 |      |         |
| BH (60°-80°)   | 167.7  | 5.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 19.6   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 |
| 2.5°  | 1073.0 | 1068.8 | 1073.0 | 1088.3 | 1092.5 | 1099.5 | 1099.5 | 1089.7 | 1071.6 | 1063.3 | 1049.4 |
| 5°    | 1096.7 | 1089.7 | 1124.5 | 1156.5 | 1181.6 | 1178.8 | 1155.1 | 1135.6 | 1099.5 | 1045.2 | 993.7  |
| 7.5°  | 1049.4 | 1056.3 | 1081.4 | 1164.9 | 1223.3 | 1234.5 | 1196.9 | 1157.9 | 1080.0 | 1004.8 | 935.2  |
| 10°   | 960.3  | 970.0  | 1024.3 | 1110.6 | 1202.4 | 1220.5 | 1196.9 | 1149.6 | 1056.3 | 963.1  | 882.3  |
| 12.5° | 917.1  | 939.4  | 971.4  | 1075.8 | 1141.2 | 1184.4 | 1173.2 | 1142.6 | 1038.2 | 928.3  | 850.3  |
| 15°   | 917.1  | 922.7  | 970.0  | 1057.7 | 1095.3 | 1096.7 | 1100.8 | 1106.4 | 1043.8 | 943.6  | 839.2  |
| 17.5° | 946.4  | 961.7  | 1002.0 | 1056.3 | 1063.3 | 1046.6 | 1046.6 | 1070.2 | 1054.9 | 986.7  | 879.6  |
| 20°   | 1017.3 | 1011.8 | 1064.7 | 1086.9 | 1049.4 | 1007.6 | 1003.4 | 1043.8 | 1067.4 | 1032.7 | 953.3  |
| 22.5° | 1088.3 | 1113.4 | 1156.5 | 1106.4 | 1036.8 | 981.2  | 975.6  | 1025.7 | 1105.0 | 1112.0 | 1038.2 |
| 25°   | 1195.5 | 1220.5 | 1242.8 | 1181.6 | 1035.4 | 974.2  | 978.4  | 1017.3 | 1151.0 | 1224.7 | 1180.2 |
| 27.5° | 1311.0 | 1326.3 | 1358.3 | 1263.7 | 1068.8 | 965.9  | 970.0  | 1028.5 | 1194.1 | 1298.5 | 1291.5 |
| 30°   | 1376.4 | 1393.1 | 1386.2 | 1279.0 | 1091.1 | 971.4  | 960.3  | 1043.8 | 1170.4 | 1298.5 | 1363.9 |
| 32.5° | 1440.4 | 1430.7 | 1426.5 | 1304.0 | 1118.9 | 1006.2 | 978.4  | 1075.8 | 1184.4 | 1319.3 | 1457.1 |
| 35°   | 1518.4 | 1504.4 | 1493.3 | 1352.8 | 1164.9 | 1039.6 | 1027.1 | 1117.6 | 1215.0 | 1362.5 | 1532.3 |
| 37.5° | 1604.7 | 1604.7 | 1550.4 | 1388.9 | 1219.1 | 1093.9 | 1080.0 | 1177.4 | 1263.7 | 1388.9 | 1635.3 |
| 40°   | 1706.2 | 1710.4 | 1614.4 | 1437.6 | 1280.4 | 1180.2 | 1176.0 | 1255.3 | 1311.0 | 1427.9 | 1734.1 |
| 42.5° | 1781.4 | 1784.2 | 1670.1 | 1455.7 | 1351.4 | 1299.9 | 1318.0 | 1380.6 | 1365.3 | 1462.7 | 1741.0 |
| 45°   | 1832.9 | 1819.0 | 1709.0 | 1507.2 | 1429.3 | 1479.4 | 1485.0 | 1503.1 | 1436.3 | 1483.6 | 1768.9 |
| 47.5° | 1857.9 | 1855.2 | 1725.7 | 1567.1 | 1593.5 | 1661.7 | 1693.7 | 1668.7 | 1501.7 | 1461.3 | 1768.9 |
| 50°   | 1883.0 | 1859.3 | 1741.0 | 1649.2 | 1753.6 | 1891.3 | 1884.4 | 1838.5 | 1592.1 | 1489.1 | 1742.4 |
| 52.5° | 1899.7 | 1878.8 | 1771.7 | 1722.9 | 1906.7 | 2062.5 | 2090.4 | 2005.5 | 1697.9 | 1540.6 | 1755.0 |
| 55°   | 1959.5 | 1942.8 | 1863.5 | 1823.2 | 2083.4 | 2243.5 | 2247.6 | 2129.3 | 1809.2 | 1625.5 | 1837.1 |
| 57.5° | 2031.9 | 2041.7 | 1990.2 | 1965.1 | 2218.4 | 2375.7 | 2360.4 | 2221.2 | 1903.9 | 1728.5 | 1931.7 |
| 60°   | 2083.4 | 2098.7 | 2086.2 | 2089.0 | 2285.2 | 2420.2 | 2385.4 | 2278.2 | 1973.5 | 1806.5 | 2047.2 |
| 62.5° | 2055.6 | 2086.2 | 2137.7 | 2126.5 | 2288.0 | 2388.2 | 2339.5 | 2203.1 | 1981.8 | 1908.0 | 2134.9 |
| 65°   | 1979.0 | 1981.8 | 2082.0 | 2143.2 | 2162.7 | 2222.6 | 2158.6 | 2045.8 | 1895.5 | 1970.7 | 2122.4 |
| 67.5° | 1782.8 | 1805.1 | 1895.5 | 2015.2 | 1933.1 | 1947.0 | 1941.4 | 1778.6 | 1764.7 | 1927.5 | 2026.3 |
| 70°   | 1574.0 | 1589.3 | 1688.2 | 1828.7 | 1632.5 | 1567.1 | 1579.6 | 1458.5 | 1515.6 | 1793.9 | 1832.9 |
| 72.5° | 1301.3 | 1311.0 | 1423.7 | 1547.6 | 1309.6 | 1192.7 | 1221.9 | 1123.1 | 1203.8 | 1569.9 | 1546.2 |
| 75°   | 982.6  | 1000.6 | 1088.3 | 1234.5 | 964.5  | 889.3  | 918.5  | 878.2  | 953.3  | 1292.9 | 1199.7 |
| 77.5° | 698.6  | 684.7  | 793.3  | 965.9  | 725.1  | 680.6  | 683.3  | 690.3  | 771.0  | 1089.7 | 861.5  |
| 80°   | 476.0  | 480.1  | 577.6  | 708.4  | 569.2  | 562.3  | 555.3  | 611.0  | 647.1  | 862.9  | 626.3  |
| 82.5° | 282.5  | 282.5  | 389.7  | 503.8  | 449.5  | 506.6  | 474.6  | 524.7  | 506.6  | 634.6  | 410.6  |
| 85°   | 132.2  | 132.2  | 200.4  | 363.2  | 347.9  | 417.5  | 354.9  | 396.6  | 374.4  | 442.6  | 185.1  |
| 87.5° | 22.3   | 19.5   | 40.4   | 178.1  | 143.3  | 162.8  | 64.0   | 211.5  | 235.2  | 309.0  | 45.9   |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 |
| 2.5°  | 1034.0 | 1024.3 | 1004.8 | 979.8  | 958.9  | 932.5  | 924.1  | 906.0  | 881.0  | 878.2  | 867.0  |
| 5°    | 974.2  | 940.8  | 899.1  | 847.6  | 812.8  | 776.6  | 746.0  | 727.9  | 707.0  | 704.2  | 698.6  |
| 7.5°  | 908.8  | 867.0  | 797.5  | 736.2  | 676.4  | 619.3  | 591.5  | 556.7  | 533.0  | 514.9  | 506.6  |
| 10°   | 847.6  | 808.6  | 722.3  | 638.8  | 585.9  | 548.3  | 514.9  | 478.8  | 449.5  | 427.3  | 418.9  |
| 12.5° | 807.2  | 761.3  | 668.0  | 588.7  | 549.7  | 506.6  | 469.0  | 430.0  | 392.5  | 363.2  | 347.9  |
| 15°   | 789.1  | 746.0  | 651.3  | 563.6  | 506.6  | 446.7  | 403.6  | 364.6  | 318.7  | 297.8  | 290.9  |
| 17.5° | 832.2  | 768.2  | 645.8  | 534.4  | 453.7  | 385.5  | 332.6  | 290.9  | 257.5  | 236.6  | 228.2  |
| 20°   | 887.9  | 808.6  | 655.5  | 499.6  | 403.6  | 327.1  | 268.6  | 224.1  | 201.8  | 186.5  | 185.1  |
| 22.5° | 958.9  | 868.4  | 670.8  | 474.6  | 347.9  | 263.0  | 210.1  | 183.7  | 168.4  | 167.0  | 164.2  |
| 25°   | 1085.5 | 977.0  | 695.9  | 441.2  | 303.4  | 217.1  | 179.5  | 164.2  | 157.3  | 153.1  | 155.9  |
| 27.5° | 1194.1 | 1048.0 | 714.0  | 420.3  | 285.3  | 204.6  | 174.0  | 157.3  | 150.3  | 148.9  | 150.3  |
| 30°   | 1258.1 | 1113.4 | 708.4  | 381.3  | 249.1  | 194.8  | 185.1  | 179.5  | 165.6  | 154.5  | 154.5  |
| 32.5° | 1316.6 | 1155.1 | 707.0  | 346.5  | 212.9  | 162.8  | 154.5  | 150.3  | 158.7  | 164.2  | 160.0  |
| 35°   | 1397.3 | 1220.5 | 702.8  | 327.1  | 197.6  | 150.3  | 136.4  | 125.3  | 119.7  | 116.9  | 121.1  |
| 37.5° | 1483.6 | 1265.1 | 691.7  | 324.3  | 189.3  | 143.3  | 132.2  | 121.1  | 115.5  | 112.7  | 111.3  |
| 40°   | 1578.2 | 1312.4 | 679.2  | 310.4  | 185.1  | 139.2  | 128.0  | 118.3  | 111.3  | 107.2  | 105.8  |
| 42.5° | 1639.4 | 1350.0 | 666.6  | 303.4  | 176.7  | 136.4  | 123.9  | 115.5  | 108.6  | 103.0  | 103.0  |
| 45°   | 1674.2 | 1394.5 | 654.1  | 296.4  | 167.0  | 137.8  | 123.9  | 112.7  | 104.4  | 101.6  | 98.8   |
| 47.5° | 1689.5 | 1427.9 | 649.9  | 285.3  | 158.7  | 132.2  | 121.1  | 109.9  | 101.6  | 96.0   | 94.6   |
| 50°   | 1729.9 | 1498.9 | 665.2  | 277.0  | 148.9  | 126.6  | 128.0  | 108.6  | 100.2  | 93.2   | 91.9   |
| 52.5° | 1753.6 | 1555.9 | 698.6  | 264.4  | 142.0  | 119.7  | 125.3  | 105.8  | 96.0   | 89.1   | 89.1   |
| 55°   | 1839.9 | 1650.6 | 734.8  | 254.7  | 133.6  | 109.9  | 115.5  | 100.2  | 89.1   | 84.9   | 84.9   |
| 57.5° | 1949.8 | 1750.8 | 765.4  | 250.5  | 128.0  | 103.0  | 103.0  | 97.4   | 84.9   | 79.3   | 77.9   |
| 60°   | 2026.3 | 1832.9 | 783.5  | 247.7  | 122.5  | 96.0   | 91.9   | 97.4   | 80.7   | 75.2   | 73.8   |
| 62.5° | 2034.7 | 1785.6 | 765.4  | 246.3  | 121.1  | 89.1   | 83.5   | 93.2   | 76.5   | 71.0   | 68.2   |
| 65°   | 1981.8 | 1689.5 | 715.3  | 240.8  | 119.7  | 82.1   | 77.9   | 80.7   | 71.0   | 66.8   | 64.0   |
| 67.5° | 1876.0 | 1533.7 | 643.0  | 238.0  | 118.3  | 76.5   | 71.0   | 69.6   | 65.4   | 61.2   | 58.5   |
| 70°   | 1629.7 | 1330.5 | 558.1  | 225.5  | 115.5  | 72.4   | 64.0   | 62.6   | 58.5   | 55.7   | 54.3   |
| 72.5° | 1368.1 | 1088.3 | 460.7  | 208.8  | 109.9  | 65.4   | 58.5   | 55.7   | 54.3   | 50.1   | 48.7   |
| 75°   | 1048.0 | 837.8  | 368.8  | 185.1  | 96.0   | 58.5   | 51.5   | 48.7   | 47.3   | 44.5   | 43.1   |
| 77.5° | 736.2  | 623.5  | 272.8  | 150.3  | 80.7   | 52.9   | 45.9   | 43.1   | 41.8   | 37.6   | 37.6   |
| 80°   | 499.6  | 437.0  | 185.1  | 104.4  | 62.6   | 43.1   | 40.4   | 37.6   | 34.8   | 32.0   | 32.0   |
| 82.5° | 310.4  | 306.2  | 133.6  | 68.2   | 45.9   | 34.8   | 32.0   | 32.0   | 27.8   | 25.1   | 25.1   |
| 85°   | 142.0  | 187.9  | 93.2   | 47.3   | 34.8   | 26.4   | 26.4   | 25.1   | 22.3   | 18.1   | 18.1   |
| 87.5° | 44.5   | 62.6   | 48.7   | 20.9   | 19.5   | 15.3   | 15.3   | 13.9   | 13.9   | 11.1   | 11.1   |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 |
| 2.5°  | 878.2  | 876.8  | 876.8  | 871.2  | 885.1  | 885.1  | 893.5  | 886.5  | 890.7  | 892.1  | 903.2  |
| 5°    | 697.3  | 708.4  | 716.7  | 733.4  | 743.2  | 747.4  | 747.4  | 758.5  | 754.3  | 762.7  | 779.4  |
| 7.5°  | 510.8  | 524.7  | 549.7  | 570.6  | 587.3  | 592.9  | 591.5  | 594.3  | 598.4  | 588.7  | 591.5  |
| 10°   | 413.3  | 403.6  | 411.9  | 431.4  | 446.7  | 464.8  | 450.9  | 449.5  | 453.7  | 449.5  | 457.9  |
| 12.5° | 345.1  | 334.0  | 327.1  | 327.1  | 338.2  | 346.5  | 342.4  | 349.3  | 364.6  | 368.8  | 378.5  |
| 15°   | 279.7  | 270.0  | 264.4  | 257.5  | 268.6  | 271.4  | 275.6  | 285.3  | 296.4  | 302.0  | 313.1  |
| 17.5° | 224.1  | 224.1  | 224.1  | 218.5  | 222.7  | 226.9  | 228.2  | 240.8  | 242.2  | 247.7  | 251.9  |
| 20°   | 183.7  | 187.9  | 194.8  | 197.6  | 201.8  | 201.8  | 199.0  | 206.0  | 200.4  | 204.6  | 207.4  |
| 22.5° | 165.6  | 171.2  | 174.0  | 175.4  | 180.9  | 182.3  | 175.4  | 176.7  | 178.1  | 174.0  | 175.4  |
| 25°   | 155.9  | 158.7  | 155.9  | 157.3  | 158.7  | 155.9  | 157.3  | 160.0  | 158.7  | 161.4  | 160.0  |
| 27.5° | 151.7  | 148.9  | 147.5  | 146.1  | 146.1  | 143.3  | 144.7  | 144.7  | 147.5  | 148.9  | 148.9  |
| 30°   | 151.7  | 147.5  | 142.0  | 137.8  | 137.8  | 133.6  | 136.4  | 139.2  | 140.6  | 143.3  | 143.3  |
| 32.5° | 155.9  | 147.5  | 137.8  | 133.6  | 129.4  | 126.6  | 129.4  | 133.6  | 139.2  | 140.6  | 142.0  |
| 35°   | 123.9  | 128.0  | 126.6  | 121.1  | 119.7  | 119.7  | 118.3  | 118.3  | 114.1  | 114.1  | 112.7  |
| 37.5° | 111.3  | 109.9  | 112.7  | 114.1  | 115.5  | 111.3  | 111.3  | 105.8  | 104.4  | 105.8  | 105.8  |
| 40°   | 104.4  | 104.4  | 104.4  | 108.6  | 109.9  | 107.2  | 103.0  | 100.2  | 100.2  | 100.2  | 101.6  |
| 42.5° | 101.6  | 98.8   | 97.4   | 100.2  | 104.4  | 101.6  | 97.4   | 96.0   | 96.0   | 97.4   | 97.4   |
| 45°   | 97.4   | 96.0   | 94.6   | 93.2   | 98.8   | 94.6   | 93.2   | 91.9   | 91.9   | 91.9   | 93.2   |
| 47.5° | 93.2   | 91.9   | 89.1   | 89.1   | 90.5   | 89.1   | 87.7   | 87.7   | 87.7   | 90.5   | 90.5   |
| 50°   | 90.5   | 89.1   | 86.3   | 86.3   | 86.3   | 86.3   | 84.9   | 84.9   | 84.9   | 86.3   | 87.7   |
| 52.5° | 86.3   | 84.9   | 83.5   | 82.1   | 82.1   | 82.1   | 82.1   | 82.1   | 82.1   | 83.5   | 84.9   |
| 55°   | 82.1   | 80.7   | 79.3   | 79.3   | 80.7   | 80.7   | 79.3   | 80.7   | 79.3   | 80.7   | 82.1   |
| 57.5° | 77.9   | 76.5   | 75.2   | 76.5   | 77.9   | 76.5   | 76.5   | 76.5   | 76.5   | 76.5   | 77.9   |
| 60°   | 72.4   | 72.4   | 72.4   | 72.4   | 75.2   | 75.2   | 75.2   | 75.2   | 72.4   | 73.8   | 75.2   |
| 62.5° | 69.6   | 68.2   | 68.2   | 69.6   | 71.0   | 71.0   | 72.4   | 71.0   | 69.6   | 71.0   | 71.0   |
| 65°   | 64.0   | 64.0   | 64.0   | 65.4   | 65.4   | 66.8   | 66.8   | 66.8   | 65.4   | 66.8   | 66.8   |
| 67.5° | 59.8   | 59.8   | 59.8   | 59.8   | 62.6   | 62.6   | 62.6   | 62.6   | 61.2   | 61.2   | 62.6   |
| 70°   | 52.9   | 54.3   | 52.9   | 55.7   | 58.5   | 57.1   | 58.5   | 58.5   | 57.1   | 55.7   | 58.5   |
| 72.5° | 48.7   | 48.7   | 48.7   | 48.7   | 52.9   | 52.9   | 52.9   | 54.3   | 52.9   | 51.5   | 52.9   |
| 75°   | 43.1   | 43.1   | 43.1   | 44.5   | 47.3   | 47.3   | 47.3   | 47.3   | 47.3   | 45.9   | 45.9   |
| 77.5° | 37.6   | 39.0   | 37.6   | 39.0   | 41.8   | 40.4   | 41.8   | 43.1   | 41.8   | 40.4   | 40.4   |
| 80°   | 32.0   | 32.0   | 32.0   | 33.4   | 34.8   | 34.8   | 34.8   | 36.2   | 34.8   | 33.4   | 33.4   |
| 82.5° | 25.1   | 25.1   | 26.4   | 26.4   | 27.8   | 27.8   | 27.8   | 29.2   | 27.8   | 26.4   | 26.4   |
| 85°   | 19.5   | 19.5   | 19.5   | 20.9   | 20.9   | 22.3   | 22.3   | 23.7   | 23.7   | 22.3   | 22.3   |
| 87.5° | 12.5   | 11.1   | 12.5   | 12.5   | 13.9   | 13.9   | 12.5   | 11.1   | 12.5   | 11.1   | 9.7    |
| 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):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 | 1002.0 |
| 2.5°  | 914.4  | 939.4  | 957.5  | 970.0  | 988.1  | 1022.9 | 1036.8 | 1061.9 | 1068.8 | 1073.0 |
| 5°    | 786.3  | 812.8  | 851.7  | 879.6  | 911.6  | 977.0  | 1027.1 | 1064.7 | 1081.4 | 1096.7 |
| 7.5°  | 616.5  | 651.3  | 691.7  | 727.9  | 780.8  | 861.5  | 926.9  | 1004.8 | 1034.0 | 1049.4 |
| 10°   | 481.5  | 513.5  | 558.1  | 602.6  | 676.4  | 744.6  | 837.8  | 908.8  | 949.2  | 960.3  |
| 12.5° | 406.4  | 444.0  | 496.8  | 551.1  | 597.0  | 675.0  | 769.6  | 872.6  | 910.2  | 917.1  |
| 15°   | 345.1  | 396.6  | 450.9  | 506.6  | 559.5  | 627.7  | 729.3  | 854.5  | 910.2  | 917.1  |
| 17.5° | 285.3  | 331.2  | 395.2  | 455.1  | 516.3  | 609.6  | 736.2  | 869.8  | 925.5  | 946.4  |
| 20°   | 226.9  | 271.4  | 321.5  | 396.6  | 480.1  | 579.0  | 751.5  | 921.3  | 995.1  | 1017.3 |
| 22.5° | 187.9  | 207.4  | 256.1  | 328.4  | 427.3  | 558.1  | 766.8  | 1002.0 | 1080.0 | 1088.3 |
| 25°   | 164.2  | 178.1  | 208.8  | 277.0  | 385.5  | 544.2  | 803.0  | 1095.3 | 1195.5 | 1195.5 |
| 27.5° | 153.1  | 158.7  | 179.5  | 240.8  | 356.3  | 531.6  | 839.2  | 1198.3 | 1291.5 | 1311.0 |
| 30°   | 150.3  | 164.2  | 175.4  | 214.3  | 324.3  | 496.8  | 872.6  | 1279.0 | 1375.0 | 1376.4 |
| 32.5° | 147.5  | 144.7  | 153.1  | 186.5  | 285.3  | 460.7  | 900.4  | 1361.1 | 1436.3 | 1440.4 |
| 35°   | 115.5  | 121.1  | 135.0  | 164.2  | 256.1  | 434.2  | 914.4  | 1405.6 | 1514.2 | 1518.4 |
| 37.5° | 108.6  | 115.5  | 126.6  | 151.7  | 236.6  | 411.9  | 918.5  | 1491.9 | 1596.3 | 1604.7 |
| 40°   | 105.8  | 111.3  | 119.7  | 140.6  | 221.3  | 384.1  | 926.9  | 1581.0 | 1717.4 | 1706.2 |
| 42.5° | 100.2  | 107.2  | 115.5  | 135.0  | 208.8  | 363.2  | 928.3  | 1629.7 | 1781.4 | 1781.4 |
| 45°   | 98.8   | 103.0  | 112.7  | 135.0  | 194.8  | 345.1  | 906.0  | 1678.4 | 1855.2 | 1832.9 |
| 47.5° | 93.2   | 101.6  | 109.9  | 130.8  | 178.1  | 327.1  | 879.6  | 1703.5 | 1864.9 | 1857.9 |
| 50°   | 91.9   | 100.2  | 114.1  | 123.9  | 168.4  | 318.7  | 874.0  | 1766.1 | 1884.4 | 1883.0 |
| 52.5° | 89.1   | 97.4   | 118.3  | 118.3  | 155.9  | 307.6  | 900.4  | 1793.9 | 1888.6 | 1899.7 |
| 55°   | 84.9   | 97.4   | 109.9  | 108.6  | 144.7  | 293.7  | 929.7  | 1866.3 | 1962.3 | 1959.5 |
| 57.5° | 82.1   | 94.6   | 104.4  | 98.8   | 132.2  | 283.9  | 972.8  | 1935.9 | 2051.4 | 2031.9 |
| 60°   | 77.9   | 94.6   | 93.2   | 91.9   | 122.5  | 275.6  | 1009.0 | 1949.8 | 2070.9 | 2083.4 |
| 62.5° | 75.2   | 98.8   | 82.1   | 84.9   | 114.1  | 271.4  | 993.7  | 1845.4 | 2044.4 | 2055.6 |
| 65°   | 72.4   | 84.9   | 75.2   | 77.9   | 111.3  | 263.0  | 933.8  | 1720.2 | 1930.3 | 1979.0 |
| 67.5° | 66.8   | 69.6   | 69.6   | 72.4   | 108.6  | 243.6  | 811.4  | 1494.7 | 1756.3 | 1782.8 |
| 70°   | 61.2   | 62.6   | 62.6   | 66.8   | 105.8  | 221.3  | 669.4  | 1292.9 | 1523.9 | 1574.0 |
| 72.5° | 55.7   | 55.7   | 55.7   | 61.2   | 97.4   | 203.2  | 551.1  | 993.7  | 1266.5 | 1301.3 |
| 75°   | 48.7   | 48.7   | 48.7   | 54.3   | 87.7   | 185.1  | 434.2  | 739.0  | 932.5  | 982.6  |
| 77.5° | 43.1   | 43.1   | 41.8   | 48.7   | 76.5   | 150.3  | 313.1  | 521.9  | 656.9  | 698.6  |
| 80°   | 36.2   | 34.8   | 34.8   | 39.0   | 59.8   | 108.6  | 201.8  | 368.8  | 457.9  | 476.0  |
| 82.5° | 29.2   | 27.8   | 26.4   | 29.2   | 43.1   | 68.2   | 125.3  | 257.5  | 293.7  | 282.5  |
| 85°   | 27.8   | 29.2   | 23.7   | 22.3   | 30.6   | 44.5   | 79.3   | 158.7  | 132.2  | 132.2  |
| 87.5° | 11.1   | 9.7    | 9.7    | 8.4    | 15.3   | 16.7   | 34.8   | 29.2   | 22.3   | 22.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)