

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: P675832

Luminaire Tested: **CCW-SA-1B-735-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675832  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-735-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
SLL distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

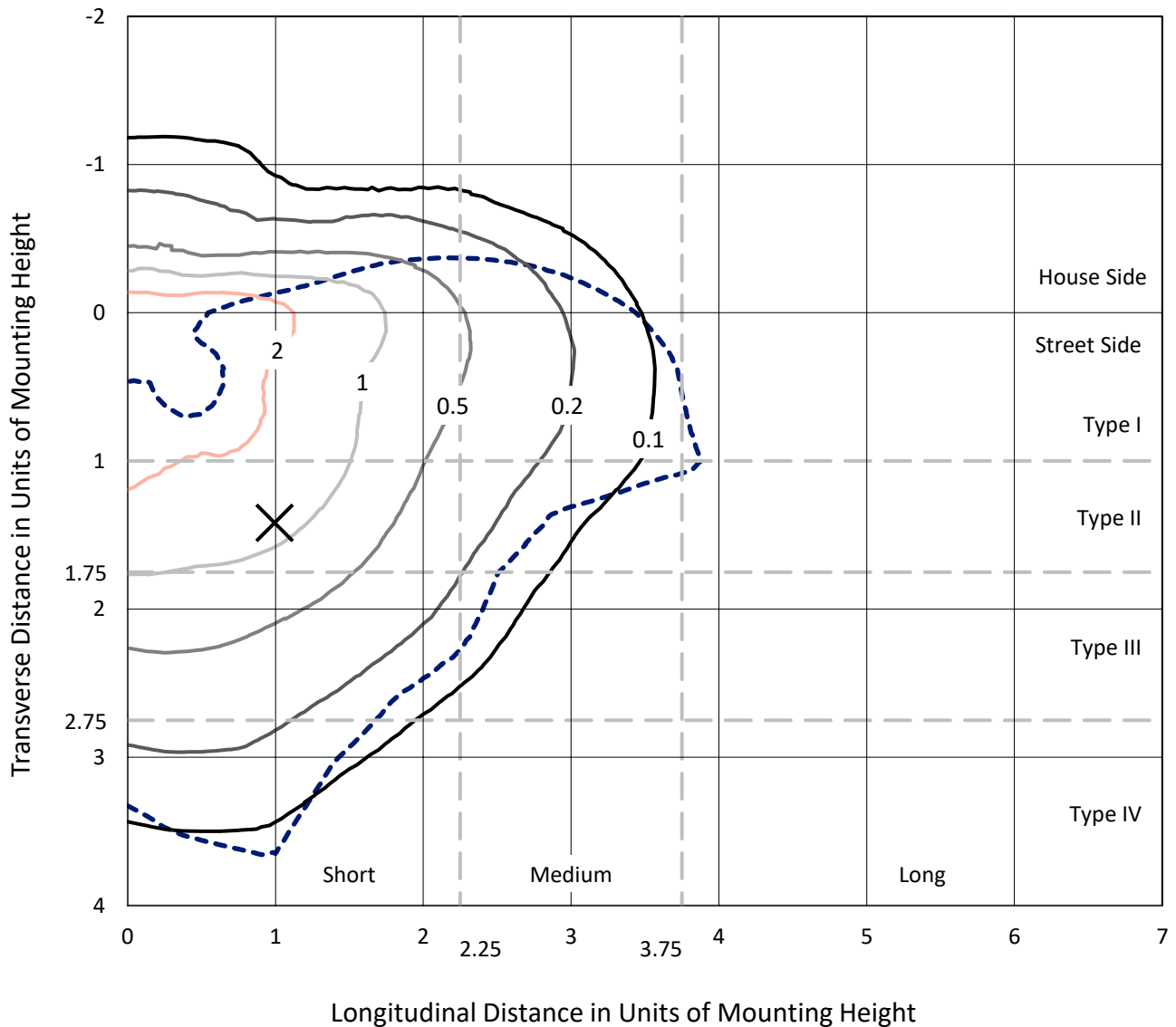
Lumens per Lamp: N/A  
Luminaire Lumens: 2826.3 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

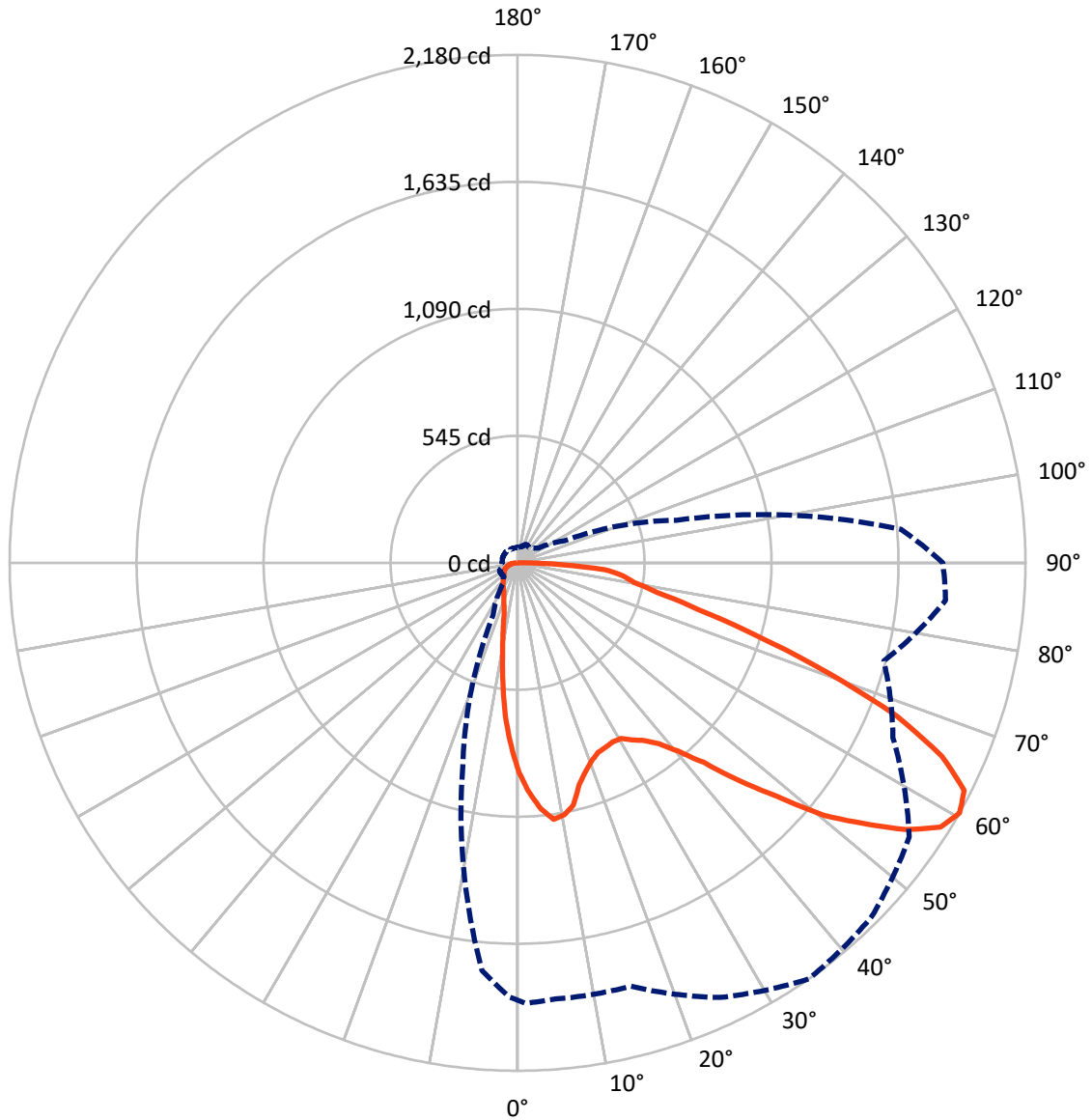
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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    | 537.9    | 0.0    | 537.9  |
|                    | % Fixture | 19.0     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 2288.4   | 0.0    | 2288.4 |
|                    | % Fixture | 81.0     | 0.0    | 81.0   |
| <b>Total</b>       | Lumens    | 2826.3   | 0.0    | 2826.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.1   | 2.5       |
| 10°-20°   | 148.1  | 5.2       |
| 20°-30°   | 216.6  | 7.7       |
| 30°-40°   | 305.2  | 10.8      |
| 40°-50°   | 419.5  | 14.8      |
| 50°-60°   | 571.7  | 20.2      |
| 60°-70°   | 625.7  | 22.1      |
| 70°-80°   | 361.2  | 12.8      |
| 80°-90°   | 108.2  | 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°    | 2826.3 | 100.0     |
| 0°-180°   | 2826.3 | 100.0     |

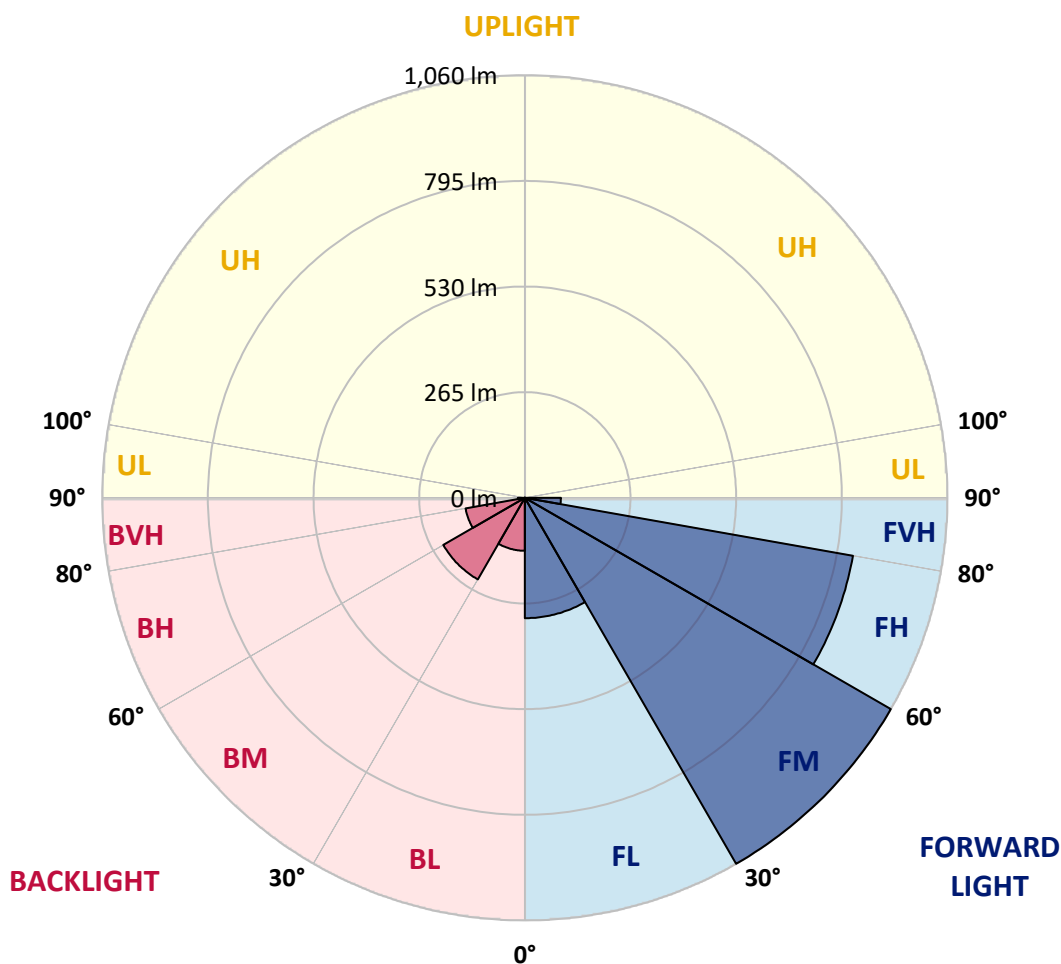


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 301.9  | 10.7      |                         |      |         |
| FM (30°-60°)   | 1060.1 | 37.5      |                         |      |         |
| FH (60°-80°)   | 835.8  | 29.6      |                         |      | G1/1800 |
| FVH (80°-90°)  | 90.5   | 3.2       |                         |      | G1/100  |
| BL (0°-30°)    | 132.9  | 4.7       | B1/500                  |      |         |
| BM (30°-60°)   | 236.3  | 8.4       | B1/1000                 |      |         |
| BH (60°-80°)   | 151.1  | 5.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 17.6   | 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-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  | 902.7  |
| 2.5°  | 966.6  | 962.9  | 966.6  | 980.4  | 984.2  | 990.5  | 990.5  | 981.7  | 965.4  | 957.9  | 945.3  |
| 5°    | 988.0  | 981.7  | 1013.0 | 1041.9 | 1064.4 | 1061.9 | 1040.6 | 1023.1 | 990.5  | 941.6  | 895.2  |
| 7.5°  | 945.3  | 951.6  | 974.2  | 1049.4 | 1102.0 | 1112.1 | 1078.2 | 1043.1 | 972.9  | 905.2  | 842.5  |
| 10°   | 865.1  | 873.9  | 922.8  | 1000.5 | 1083.2 | 1099.5 | 1078.2 | 1035.6 | 951.6  | 867.6  | 794.9  |
| 12.5° | 826.2  | 846.3  | 875.1  | 969.1  | 1028.1 | 1066.9 | 1056.9 | 1029.3 | 935.3  | 836.3  | 766.0  |
| 15°   | 826.2  | 831.2  | 873.9  | 952.9  | 986.7  | 988.0  | 991.7  | 996.7  | 940.3  | 850.0  | 756.0  |
| 17.5° | 852.6  | 866.3  | 902.7  | 951.6  | 957.9  | 942.8  | 942.8  | 964.1  | 950.3  | 888.9  | 792.4  |
| 20°   | 916.5  | 911.5  | 959.1  | 979.2  | 945.3  | 907.7  | 904.0  | 940.3  | 961.6  | 930.3  | 858.8  |
| 22.5° | 980.4  | 1003.0 | 1041.9 | 996.7  | 934.0  | 883.9  | 878.9  | 924.0  | 995.5  | 1001.7 | 935.3  |
| 25°   | 1077.0 | 1099.5 | 1119.6 | 1064.4 | 932.8  | 877.6  | 881.4  | 916.5  | 1036.9 | 1103.3 | 1063.2 |
| 27.5° | 1181.0 | 1194.8 | 1223.7 | 1138.4 | 962.9  | 870.1  | 873.9  | 926.5  | 1075.7 | 1169.7 | 1163.5 |
| 30°   | 1240.0 | 1255.0 | 1248.7 | 1152.2 | 982.9  | 875.1  | 865.1  | 940.3  | 1054.4 | 1169.7 | 1228.7 |
| 32.5° | 1297.6 | 1288.9 | 1285.1 | 1174.8 | 1008.0 | 906.5  | 881.4  | 969.1  | 1066.9 | 1188.6 | 1312.7 |
| 35°   | 1367.8 | 1355.3 | 1345.3 | 1218.6 | 1049.4 | 936.6  | 925.3  | 1006.8 | 1094.5 | 1227.4 | 1380.4 |
| 37.5° | 1445.6 | 1445.6 | 1396.7 | 1251.2 | 1098.3 | 985.4  | 972.9  | 1060.7 | 1138.4 | 1251.2 | 1473.2 |
| 40°   | 1537.1 | 1540.9 | 1454.4 | 1295.1 | 1153.5 | 1063.2 | 1059.4 | 1130.9 | 1181.0 | 1286.3 | 1562.2 |
| 42.5° | 1604.8 | 1607.3 | 1504.5 | 1311.4 | 1217.4 | 1171.0 | 1187.3 | 1243.7 | 1229.9 | 1317.7 | 1568.4 |
| 45°   | 1651.2 | 1638.7 | 1539.6 | 1357.8 | 1287.6 | 1332.7 | 1337.8 | 1354.1 | 1293.9 | 1336.5 | 1593.5 |
| 47.5° | 1673.8 | 1671.2 | 1554.7 | 1411.7 | 1435.5 | 1497.0 | 1525.8 | 1503.2 | 1352.8 | 1316.4 | 1593.5 |
| 50°   | 1696.3 | 1675.0 | 1568.4 | 1485.7 | 1579.7 | 1703.8 | 1697.6 | 1656.2 | 1434.3 | 1341.5 | 1569.7 |
| 52.5° | 1711.4 | 1692.6 | 1596.0 | 1552.1 | 1717.6 | 1858.1 | 1883.1 | 1806.7 | 1529.6 | 1387.9 | 1581.0 |
| 55°   | 1765.3 | 1750.2 | 1678.8 | 1642.4 | 1876.9 | 2021.0 | 2024.8 | 1918.2 | 1629.9 | 1464.4 | 1655.0 |
| 57.5° | 1830.5 | 1839.3 | 1792.9 | 1770.3 | 1998.5 | 2140.2 | 2126.4 | 2001.0 | 1715.1 | 1557.2 | 1740.2 |
| 60°   | 1876.9 | 1890.7 | 1879.4 | 1881.9 | 2058.7 | 2180.3 | 2148.9 | 2052.4 | 1777.8 | 1627.4 | 1844.3 |
| 62.5° | 1851.8 | 1879.4 | 1925.8 | 1915.7 | 2061.2 | 2151.4 | 2107.6 | 1984.7 | 1785.3 | 1718.9 | 1923.3 |
| 65°   | 1782.8 | 1785.3 | 1875.6 | 1930.8 | 1948.3 | 2002.2 | 1944.6 | 1843.0 | 1707.6 | 1775.3 | 1912.0 |
| 67.5° | 1606.1 | 1626.1 | 1707.6 | 1815.4 | 1741.5 | 1754.0 | 1749.0 | 1602.3 | 1589.8 | 1736.4 | 1825.5 |
| 70°   | 1418.0 | 1431.8 | 1520.8 | 1647.4 | 1470.6 | 1411.7 | 1423.0 | 1313.9 | 1365.3 | 1616.1 | 1651.2 |
| 72.5° | 1172.3 | 1181.0 | 1282.6 | 1394.2 | 1179.8 | 1074.5 | 1100.8 | 1011.8 | 1084.5 | 1414.2 | 1392.9 |
| 75°   | 885.1  | 901.4  | 980.4  | 1112.1 | 868.8  | 801.1  | 827.5  | 791.1  | 858.8  | 1164.7 | 1080.7 |
| 77.5° | 629.4  | 616.8  | 714.6  | 870.1  | 653.2  | 613.1  | 615.6  | 621.9  | 694.6  | 981.7  | 776.1  |
| 80°   | 428.8  | 432.5  | 520.3  | 638.2  | 512.8  | 506.5  | 500.2  | 550.4  | 583.0  | 777.3  | 564.2  |
| 82.5° | 254.5  | 254.5  | 351.1  | 453.9  | 405.0  | 456.4  | 427.5  | 472.7  | 456.4  | 571.7  | 369.9  |
| 85°   | 119.1  | 119.1  | 180.5  | 327.2  | 313.4  | 376.1  | 319.7  | 357.3  | 337.3  | 398.7  | 166.7  |
| 87.5° | 20.1   | 17.6   | 36.4   | 160.5  | 129.1  | 146.7  | 57.7   | 190.6  | 211.9  | 278.3  | 41.4   |
| 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°    | 902.7  | 902.7  | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 |
| 2.5°  | 931.5  | 922.8  | 905.2 | 882.6 | 863.8 | 840.0 | 832.5 | 816.2 | 793.6 | 791.1 | 781.1 |
| 5°    | 877.6  | 847.5  | 809.9 | 763.5 | 732.2 | 699.6 | 672.0 | 655.7 | 636.9 | 634.4 | 629.4 |
| 7.5°  | 818.7  | 781.1  | 718.4 | 663.2 | 609.3 | 557.9 | 532.8 | 501.5 | 480.2 | 463.9 | 456.4 |
| 10°   | 763.5  | 728.4  | 650.7 | 575.5 | 527.8 | 494.0 | 463.9 | 431.3 | 405.0 | 384.9 | 377.4 |
| 12.5° | 727.2  | 685.8  | 601.8 | 530.3 | 495.2 | 456.4 | 422.5 | 387.4 | 353.6 | 327.2 | 313.4 |
| 15°   | 710.9  | 672.0  | 586.8 | 507.8 | 456.4 | 402.5 | 363.6 | 328.5 | 287.1 | 268.3 | 262.0 |
| 17.5° | 749.7  | 692.1  | 581.7 | 481.4 | 408.7 | 347.3 | 299.6 | 262.0 | 231.9 | 213.1 | 205.6 |
| 20°   | 799.9  | 728.4  | 590.5 | 450.1 | 363.6 | 294.6 | 242.0 | 201.9 | 181.8 | 168.0 | 166.7 |
| 22.5° | 863.8  | 782.3  | 604.3 | 427.5 | 313.4 | 237.0 | 189.3 | 165.5 | 151.7 | 150.5 | 147.9 |
| 25°   | 977.9  | 880.1  | 626.9 | 397.4 | 273.3 | 195.6 | 161.7 | 147.9 | 141.7 | 137.9 | 140.4 |
| 27.5° | 1075.7 | 944.1  | 643.2 | 378.6 | 257.0 | 184.3 | 156.7 | 141.7 | 135.4 | 134.2 | 135.4 |
| 30°   | 1133.4 | 1003.0 | 638.2 | 343.5 | 224.4 | 175.5 | 166.7 | 161.7 | 149.2 | 139.2 | 139.2 |
| 32.5° | 1186.0 | 1040.6 | 636.9 | 312.2 | 191.8 | 146.7 | 139.2 | 135.4 | 142.9 | 147.9 | 144.2 |
| 35°   | 1258.8 | 1099.5 | 633.1 | 294.6 | 178.0 | 135.4 | 122.9 | 112.8 | 107.8 | 105.3 | 109.1 |
| 37.5° | 1336.5 | 1139.7 | 623.1 | 292.1 | 170.5 | 129.1 | 119.1 | 109.1 | 104.1 | 101.6 | 100.3 |
| 40°   | 1421.8 | 1182.3 | 611.8 | 279.6 | 166.7 | 125.4 | 115.3 | 106.6 | 100.3 | 96.5  | 95.3  |
| 42.5° | 1476.9 | 1216.1 | 600.5 | 273.3 | 159.2 | 122.9 | 111.6 | 104.1 | 97.8  | 92.8  | 92.8  |
| 45°   | 1508.3 | 1256.3 | 589.3 | 267.0 | 150.5 | 124.1 | 111.6 | 101.6 | 94.0  | 91.5  | 89.0  |
| 47.5° | 1522.1 | 1286.3 | 585.5 | 257.0 | 142.9 | 119.1 | 109.1 | 99.0  | 91.5  | 86.5  | 85.3  |
| 50°   | 1558.4 | 1350.3 | 599.3 | 249.5 | 134.2 | 114.1 | 115.3 | 97.8  | 90.3  | 84.0  | 82.7  |
| 52.5° | 1579.7 | 1401.7 | 629.4 | 238.2 | 127.9 | 107.8 | 112.8 | 95.3  | 86.5  | 80.2  | 80.2  |
| 55°   | 1657.5 | 1486.9 | 662.0 | 229.4 | 120.4 | 99.0  | 104.1 | 90.3  | 80.2  | 76.5  | 76.5  |
| 57.5° | 1756.5 | 1577.2 | 689.6 | 225.7 | 115.3 | 92.8  | 92.8  | 87.8  | 76.5  | 71.5  | 70.2  |
| 60°   | 1825.5 | 1651.2 | 705.9 | 223.2 | 110.3 | 86.5  | 82.7  | 87.8  | 72.7  | 67.7  | 66.4  |
| 62.5° | 1833.0 | 1608.6 | 689.6 | 221.9 | 109.1 | 80.2  | 75.2  | 84.0  | 69.0  | 63.9  | 61.4  |
| 65°   | 1785.3 | 1522.1 | 644.4 | 216.9 | 107.8 | 74.0  | 70.2  | 72.7  | 63.9  | 60.2  | 57.7  |
| 67.5° | 1690.1 | 1381.6 | 579.2 | 214.4 | 106.6 | 69.0  | 63.9  | 62.7  | 58.9  | 55.2  | 52.7  |
| 70°   | 1468.1 | 1198.6 | 502.8 | 203.1 | 104.1 | 65.2  | 57.7  | 56.4  | 52.7  | 50.2  | 48.9  |
| 72.5° | 1232.4 | 980.4  | 415.0 | 188.1 | 99.0  | 58.9  | 52.7  | 50.2  | 48.9  | 45.1  | 43.9  |
| 75°   | 944.1  | 754.8  | 332.2 | 166.7 | 86.5  | 52.7  | 46.4  | 43.9  | 42.6  | 40.1  | 38.9  |
| 77.5° | 663.2  | 561.7  | 245.7 | 135.4 | 72.7  | 47.6  | 41.4  | 38.9  | 37.6  | 33.9  | 33.9  |
| 80°   | 450.1  | 393.7  | 166.7 | 94.0  | 56.4  | 38.9  | 36.4  | 33.9  | 31.3  | 28.8  | 28.8  |
| 82.5° | 279.6  | 275.8  | 120.4 | 61.4  | 41.4  | 31.3  | 28.8  | 28.8  | 25.1  | 22.6  | 22.6  |
| 85°   | 127.9  | 169.3  | 84.0  | 42.6  | 31.3  | 23.8  | 23.8  | 22.6  | 20.1  | 16.3  | 16.3  |
| 87.5° | 40.1   | 56.4   | 43.9  | 18.8  | 17.6  | 13.8  | 13.8  | 12.5  | 12.5  | 10.0  | 10.0  |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 |
| 2.5°  | 791.1 | 789.9 | 789.9 | 784.8 | 797.4 | 797.4 | 804.9 | 798.6 | 802.4 | 803.7 | 813.7 |
| 5°    | 628.1 | 638.2 | 645.7 | 660.7 | 669.5 | 673.3 | 673.3 | 683.3 | 679.5 | 687.1 | 702.1 |
| 7.5°  | 460.1 | 472.7 | 495.2 | 514.0 | 529.1 | 534.1 | 532.8 | 535.4 | 539.1 | 530.3 | 532.8 |
| 10°   | 372.4 | 363.6 | 371.1 | 388.7 | 402.5 | 418.8 | 406.2 | 405.0 | 408.7 | 405.0 | 412.5 |
| 12.5° | 310.9 | 300.9 | 294.6 | 294.6 | 304.7 | 312.2 | 308.4 | 314.7 | 328.5 | 332.2 | 341.0 |
| 15°   | 252.0 | 243.2 | 238.2 | 231.9 | 242.0 | 244.5 | 248.2 | 257.0 | 267.0 | 272.1 | 282.1 |
| 17.5° | 201.9 | 201.9 | 201.9 | 196.8 | 200.6 | 204.4 | 205.6 | 216.9 | 218.2 | 223.2 | 226.9 |
| 20°   | 165.5 | 169.3 | 175.5 | 178.0 | 181.8 | 181.8 | 179.3 | 185.6 | 180.5 | 184.3 | 186.8 |
| 22.5° | 149.2 | 154.2 | 156.7 | 158.0 | 163.0 | 164.2 | 158.0 | 159.2 | 160.5 | 156.7 | 158.0 |
| 25°   | 140.4 | 142.9 | 140.4 | 141.7 | 142.9 | 140.4 | 141.7 | 144.2 | 142.9 | 145.4 | 144.2 |
| 27.5° | 136.7 | 134.2 | 132.9 | 131.6 | 131.6 | 129.1 | 130.4 | 130.4 | 132.9 | 134.2 | 134.2 |
| 30°   | 136.7 | 132.9 | 127.9 | 124.1 | 124.1 | 120.4 | 122.9 | 125.4 | 126.6 | 129.1 | 129.1 |
| 32.5° | 140.4 | 132.9 | 124.1 | 120.4 | 116.6 | 114.1 | 116.6 | 120.4 | 125.4 | 126.6 | 127.9 |
| 35°   | 111.6 | 115.3 | 114.1 | 109.1 | 107.8 | 107.8 | 106.6 | 106.6 | 102.8 | 102.8 | 101.6 |
| 37.5° | 100.3 | 99.0  | 101.6 | 102.8 | 104.1 | 100.3 | 100.3 | 95.3  | 94.0  | 95.3  | 95.3  |
| 40°   | 94.0  | 94.0  | 94.0  | 97.8  | 99.0  | 96.5  | 92.8  | 90.3  | 90.3  | 90.3  | 91.5  |
| 42.5° | 91.5  | 89.0  | 87.8  | 90.3  | 94.0  | 91.5  | 87.8  | 86.5  | 86.5  | 87.8  | 87.8  |
| 45°   | 87.8  | 86.5  | 85.3  | 84.0  | 89.0  | 85.3  | 84.0  | 82.7  | 82.7  | 82.7  | 84.0  |
| 47.5° | 84.0  | 82.7  | 80.2  | 80.2  | 81.5  | 80.2  | 79.0  | 79.0  | 79.0  | 81.5  | 81.5  |
| 50°   | 81.5  | 80.2  | 77.7  | 77.7  | 77.7  | 77.7  | 76.5  | 76.5  | 76.5  | 77.7  | 79.0  |
| 52.5° | 77.7  | 76.5  | 75.2  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 75.2  | 76.5  |
| 55°   | 74.0  | 72.7  | 71.5  | 71.5  | 72.7  | 72.7  | 71.5  | 72.7  | 71.5  | 72.7  | 74.0  |
| 57.5° | 70.2  | 69.0  | 67.7  | 69.0  | 70.2  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 70.2  |
| 60°   | 65.2  | 65.2  | 65.2  | 65.2  | 67.7  | 67.7  | 67.7  | 67.7  | 65.2  | 66.4  | 67.7  |
| 62.5° | 62.7  | 61.4  | 61.4  | 62.7  | 63.9  | 63.9  | 65.2  | 63.9  | 62.7  | 63.9  | 63.9  |
| 65°   | 57.7  | 57.7  | 57.7  | 58.9  | 58.9  | 60.2  | 60.2  | 60.2  | 58.9  | 60.2  | 60.2  |
| 67.5° | 53.9  | 53.9  | 53.9  | 53.9  | 56.4  | 56.4  | 56.4  | 56.4  | 55.2  | 55.2  | 56.4  |
| 70°   | 47.6  | 48.9  | 47.6  | 50.2  | 52.7  | 51.4  | 52.7  | 52.7  | 51.4  | 50.2  | 52.7  |
| 72.5° | 43.9  | 43.9  | 43.9  | 43.9  | 47.6  | 47.6  | 47.6  | 48.9  | 47.6  | 46.4  | 47.6  |
| 75°   | 38.9  | 38.9  | 38.9  | 40.1  | 42.6  | 42.6  | 42.6  | 42.6  | 42.6  | 41.4  | 41.4  |
| 77.5° | 33.9  | 35.1  | 33.9  | 35.1  | 37.6  | 36.4  | 37.6  | 38.9  | 37.6  | 36.4  | 36.4  |
| 80°   | 28.8  | 28.8  | 28.8  | 30.1  | 31.3  | 31.3  | 31.3  | 32.6  | 31.3  | 30.1  | 30.1  |
| 82.5° | 22.6  | 22.6  | 23.8  | 23.8  | 25.1  | 25.1  | 25.1  | 26.3  | 25.1  | 23.8  | 23.8  |
| 85°   | 17.6  | 17.6  | 17.6  | 18.8  | 18.8  | 20.1  | 20.1  | 21.3  | 21.3  | 20.1  | 20.1  |
| 87.5° | 11.3  | 10.0  | 11.3  | 11.3  | 12.5  | 12.5  | 11.3  | 10.0  | 11.3  | 10.0  | 8.8   |
| 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):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7 | 902.7  | 902.7  | 902.7  |
| 2.5°  | 823.7 | 846.3 | 862.6 | 873.9 | 890.2 | 921.5 | 934.0 | 956.6  | 962.9  | 966.6  |
| 5°    | 708.4 | 732.2 | 767.3 | 792.4 | 821.2 | 880.1 | 925.3 | 959.1  | 974.2  | 988.0  |
| 7.5°  | 555.4 | 586.8 | 623.1 | 655.7 | 703.4 | 776.1 | 835.0 | 905.2  | 931.5  | 945.3  |
| 10°   | 433.8 | 462.6 | 502.8 | 542.9 | 609.3 | 670.8 | 754.8 | 818.7  | 855.1  | 865.1  |
| 12.5° | 366.1 | 399.9 | 447.6 | 496.5 | 537.9 | 608.1 | 693.3 | 786.1  | 820.0  | 826.2  |
| 15°   | 310.9 | 357.3 | 406.2 | 456.4 | 504.0 | 565.4 | 657.0 | 769.8  | 820.0  | 826.2  |
| 17.5° | 257.0 | 298.4 | 356.1 | 410.0 | 465.1 | 549.1 | 663.2 | 783.6  | 833.7  | 852.6  |
| 20°   | 204.4 | 244.5 | 289.6 | 357.3 | 432.5 | 521.6 | 677.0 | 830.0  | 896.4  | 916.5  |
| 22.5° | 169.3 | 186.8 | 230.7 | 295.9 | 384.9 | 502.8 | 690.8 | 902.7  | 972.9  | 980.4  |
| 25°   | 147.9 | 160.5 | 188.1 | 249.5 | 347.3 | 490.2 | 723.4 | 986.7  | 1077.0 | 1077.0 |
| 27.5° | 137.9 | 142.9 | 161.7 | 216.9 | 321.0 | 478.9 | 756.0 | 1079.5 | 1163.5 | 1181.0 |
| 30°   | 135.4 | 147.9 | 158.0 | 193.1 | 292.1 | 447.6 | 786.1 | 1152.2 | 1238.7 | 1240.0 |
| 32.5° | 132.9 | 130.4 | 137.9 | 168.0 | 257.0 | 415.0 | 811.2 | 1226.2 | 1293.9 | 1297.6 |
| 35°   | 104.1 | 109.1 | 121.6 | 147.9 | 230.7 | 391.2 | 823.7 | 1266.3 | 1364.1 | 1367.8 |
| 37.5° | 97.8  | 104.1 | 114.1 | 136.7 | 213.1 | 371.1 | 827.5 | 1344.0 | 1438.1 | 1445.6 |
| 40°   | 95.3  | 100.3 | 107.8 | 126.6 | 199.3 | 346.0 | 835.0 | 1424.3 | 1547.1 | 1537.1 |
| 42.5° | 90.3  | 96.5  | 104.1 | 121.6 | 188.1 | 327.2 | 836.3 | 1468.1 | 1604.8 | 1604.8 |
| 45°   | 89.0  | 92.8  | 101.6 | 121.6 | 175.5 | 310.9 | 816.2 | 1512.0 | 1671.2 | 1651.2 |
| 47.5° | 84.0  | 91.5  | 99.0  | 117.9 | 160.5 | 294.6 | 792.4 | 1534.6 | 1680.0 | 1673.8 |
| 50°   | 82.7  | 90.3  | 102.8 | 111.6 | 151.7 | 287.1 | 787.4 | 1591.0 | 1697.6 | 1696.3 |
| 52.5° | 80.2  | 87.8  | 106.6 | 106.6 | 140.4 | 277.1 | 811.2 | 1616.1 | 1701.3 | 1711.4 |
| 55°   | 76.5  | 87.8  | 99.0  | 97.8  | 130.4 | 264.5 | 837.5 | 1681.3 | 1767.8 | 1765.3 |
| 57.5° | 74.0  | 85.3  | 94.0  | 89.0  | 119.1 | 255.8 | 876.4 | 1744.0 | 1848.0 | 1830.5 |
| 60°   | 70.2  | 85.3  | 84.0  | 82.7  | 110.3 | 248.2 | 909.0 | 1756.5 | 1865.6 | 1876.9 |
| 62.5° | 67.7  | 89.0  | 74.0  | 76.5  | 102.8 | 244.5 | 895.2 | 1662.5 | 1841.8 | 1851.8 |
| 65°   | 65.2  | 76.5  | 67.7  | 70.2  | 100.3 | 237.0 | 841.3 | 1549.6 | 1739.0 | 1782.8 |
| 67.5° | 60.2  | 62.7  | 62.7  | 65.2  | 97.8  | 219.4 | 730.9 | 1346.5 | 1582.2 | 1606.1 |
| 70°   | 55.2  | 56.4  | 56.4  | 60.2  | 95.3  | 199.3 | 603.1 | 1164.7 | 1372.9 | 1418.0 |
| 72.5° | 50.2  | 50.2  | 50.2  | 55.2  | 87.8  | 183.0 | 496.5 | 895.2  | 1140.9 | 1172.3 |
| 75°   | 43.9  | 43.9  | 43.9  | 48.9  | 79.0  | 166.7 | 391.2 | 665.7  | 840.0  | 885.1  |
| 77.5° | 38.9  | 38.9  | 37.6  | 43.9  | 69.0  | 135.4 | 282.1 | 470.2  | 591.8  | 629.4  |
| 80°   | 32.6  | 31.3  | 31.3  | 35.1  | 53.9  | 97.8  | 181.8 | 332.2  | 412.5  | 428.8  |
| 82.5° | 26.3  | 25.1  | 23.8  | 26.3  | 38.9  | 61.4  | 112.8 | 231.9  | 264.5  | 254.5  |
| 85°   | 25.1  | 26.3  | 21.3  | 20.1  | 27.6  | 40.1  | 71.5  | 142.9  | 119.1  | 119.1  |
| 87.5° | 10.0  | 8.8   | 8.8   | 7.5   | 13.8  | 15.0  | 31.3  | 26.3   | 20.1   | 20.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)