

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: P673044

Luminaire Tested: **CCP-SA-1E-840-U-T1**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673044  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-840-U-T1  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T1 distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

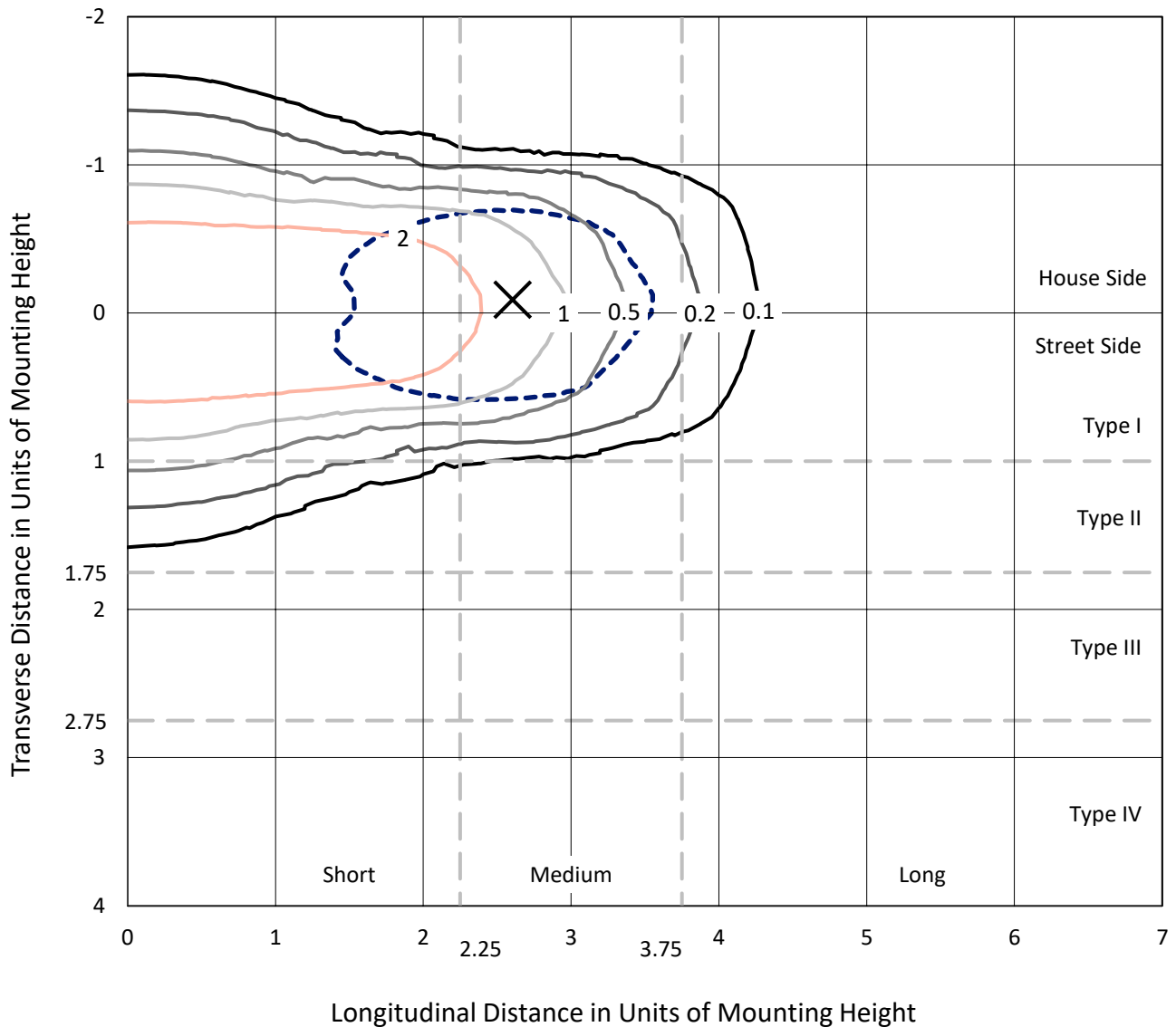
Lumens per Lamp: N/A  
Luminaire Lumens: 5676.4 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 56.1  
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

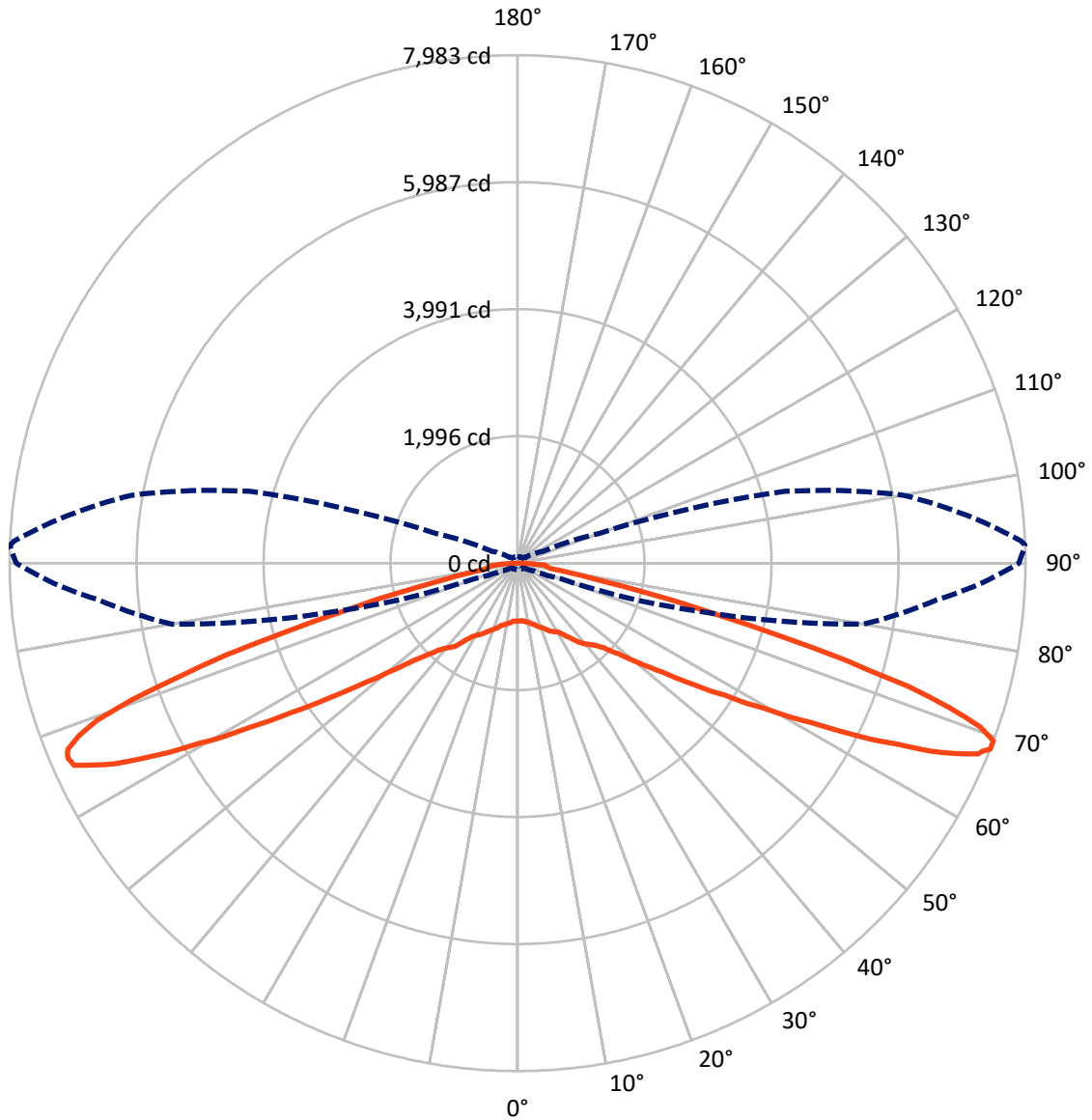
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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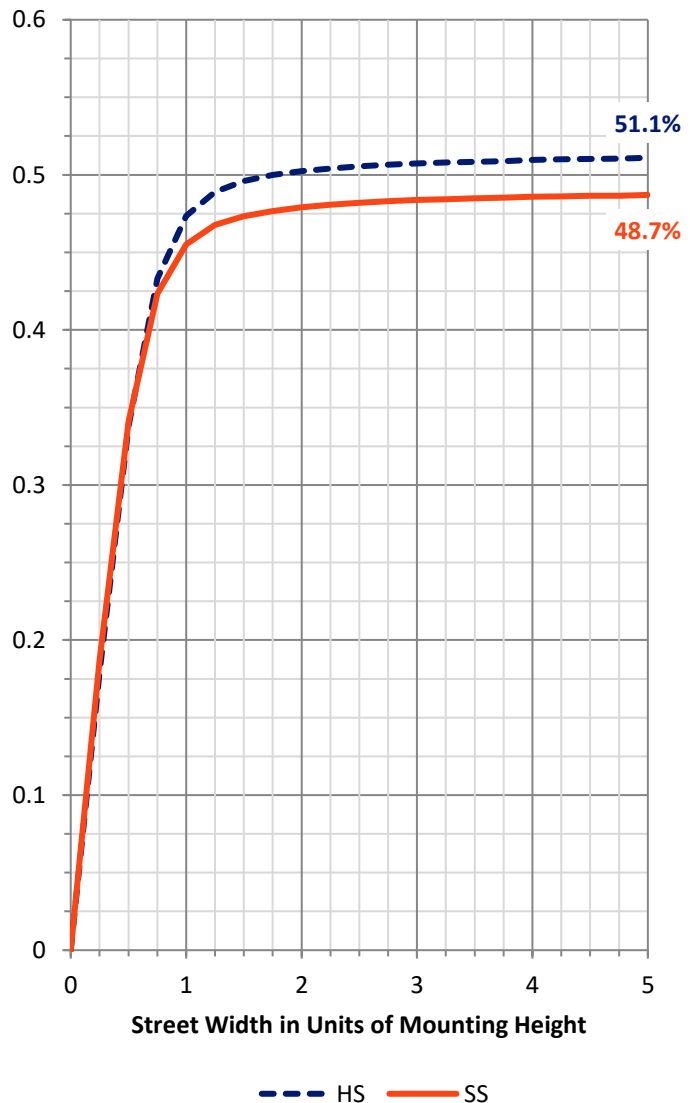
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2923.3   | 0.0    | 2923.3 |
|                    | % Fixture | 51.5     | 0.0    | 51.5   |
| <b>Street Side</b> | Lumens    | 2753.1   | 0.0    | 2753.1 |
|                    | % Fixture | 48.5     | 0.0    | 48.5   |
| <b>Total</b>       | Lumens    | 5676.4   | 0.0    | 5676.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.9   | 1.6       |
| 10°-20°   | 294.5  | 5.2       |
| 20°-30°   | 502.5  | 8.9       |
| 30°-40°   | 701.7  | 12.4      |
| 40°-50°   | 892.6  | 15.7      |
| 50°-60°   | 1128.5 | 19.9      |
| 60°-70°   | 1391.8 | 24.5      |
| 70°-80°   | 608.0  | 10.7      |
| 80°-90°   | 65.9   | 1.2       |
| 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°    | 5676.4 | 100.0     |
| 0°-180°   | 5676.4 | 100.0     |

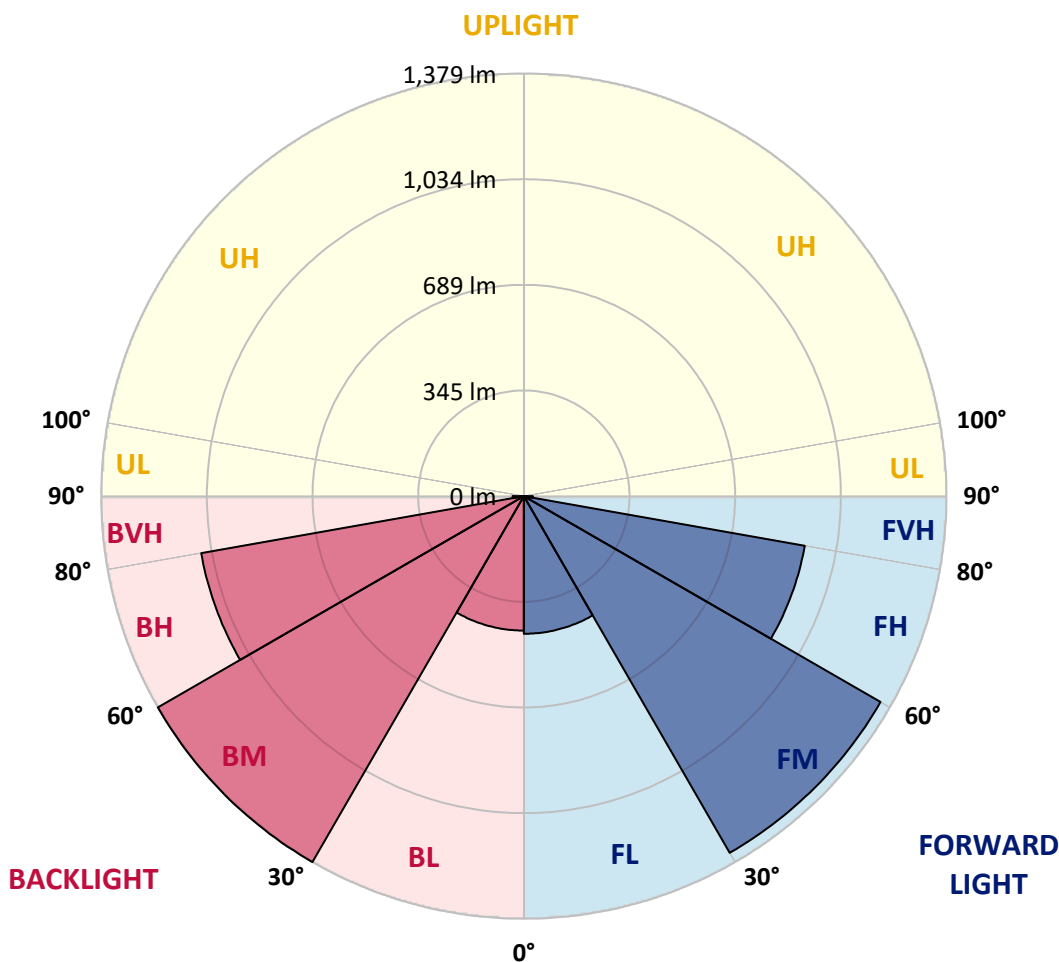


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 449.2  | 7.9       |                         |      |         |
| FM (30°-60°)   | 1343.9 | 23.7      |                         |      |         |
| FH (60°-80°)   | 930.8  | 16.4      |                         |      | G1/1800 |
| FVH (80°-90°)  | 29.2   | 0.5       |                         |      | G1/100  |
| BL (0°-30°)    | 438.7  | 7.7       | B1/500                  |      |         |
| BM (30°-60°)   | 1378.9 | 24.3      | B2/2500                 |      |         |
| BH (60°-80°)   | 1069.0 | 18.8      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 36.7   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  |
| 2.5°  | 926.9  | 925.8  | 929.0  | 931.1  | 921.6  | 924.7  | 922.6  | 920.5  | 913.0  | 909.8  | 903.4  |
| 5°    | 952.4  | 955.6  | 966.3  | 956.7  | 961.0  | 955.6  | 938.6  | 943.9  | 934.3  | 932.2  | 925.8  |
| 7.5°  | 997.2  | 990.8  | 1005.7 | 995.1  | 998.3  | 987.6  | 980.1  | 970.6  | 968.4  | 953.5  | 954.6  |
| 10°   | 1006.8 | 1019.6 | 1026.0 | 1023.8 | 1026.0 | 1031.3 | 1017.4 | 1002.5 | 982.3  | 978.0  | 963.1  |
| 12.5° | 1000.4 | 1012.1 | 1029.2 | 1043.0 | 1052.6 | 1054.7 | 1049.4 | 1046.2 | 1037.7 | 1013.2 | 1012.1 |
| 15°   | 994.0  | 985.5  | 996.1  | 1044.1 | 1076.0 | 1097.3 | 1104.8 | 1086.7 | 1088.8 | 1056.9 | 1044.1 |
| 17.5° | 951.4  | 938.6  | 980.1  | 1027.0 | 1066.4 | 1113.3 | 1149.5 | 1144.2 | 1144.2 | 1118.6 | 1100.5 |
| 20°   | 894.9  | 916.2  | 937.5  | 997.2  | 1069.6 | 1140.0 | 1209.2 | 1206.0 | 1193.2 | 1185.8 | 1146.3 |
| 22.5° | 847.0  | 856.6  | 896.0  | 958.8  | 1049.4 | 1147.4 | 1229.4 | 1288.0 | 1258.2 | 1228.4 | 1204.9 |
| 25°   | 813.9  | 805.4  | 855.5  | 920.5  | 1030.2 | 1134.6 | 1267.8 | 1328.5 | 1344.5 | 1322.1 | 1277.4 |
| 27.5° | 767.1  | 767.1  | 806.5  | 868.3  | 968.4  | 1128.2 | 1305.1 | 1397.8 | 1421.2 | 1388.2 | 1323.2 |
| 30°   | 713.8  | 720.2  | 754.3  | 824.6  | 922.6  | 1081.4 | 1320.0 | 1477.7 | 1496.9 | 1468.1 | 1401.0 |
| 32.5° | 672.3  | 672.3  | 710.6  | 785.2  | 890.7  | 1060.1 | 1310.4 | 1556.5 | 1592.7 | 1571.4 | 1502.2 |
| 35°   | 627.5  | 624.3  | 652.0  | 734.0  | 839.5  | 1018.5 | 1307.2 | 1619.4 | 1700.3 | 1701.4 | 1629.0 |
| 37.5° | 563.6  | 576.4  | 611.5  | 676.5  | 799.0  | 978.0  | 1297.6 | 1695.0 | 1839.9 | 1864.4 | 1814.3 |
| 40°   | 521.0  | 526.3  | 558.3  | 629.6  | 736.2  | 930.1  | 1283.8 | 1756.8 | 1932.6 | 2016.8 | 1947.5 |
| 42.5° | 459.2  | 466.6  | 491.1  | 579.6  | 675.5  | 861.9  | 1223.1 | 1800.5 | 2064.7 | 2160.6 | 2102.0 |
| 45°   | 394.2  | 398.5  | 434.7  | 507.1  | 610.5  | 780.9  | 1158.1 | 1870.8 | 2192.6 | 2388.6 | 2354.5 |
| 47.5° | 316.4  | 318.5  | 349.4  | 425.1  | 532.7  | 700.0  | 1057.9 | 1867.6 | 2295.9 | 2616.6 | 2712.5 |
| 50°   | 247.2  | 252.5  | 275.9  | 337.7  | 438.9  | 600.9  | 941.8  | 1842.0 | 2425.9 | 2876.5 | 3065.1 |
| 52.5° | 197.1  | 198.2  | 213.1  | 262.1  | 338.8  | 501.8  | 817.1  | 1761.1 | 2548.4 | 3131.2 | 3497.6 |
| 55°   | 163.0  | 163.0  | 171.5  | 201.4  | 260.0  | 381.4  | 671.2  | 1626.8 | 2563.3 | 3412.4 | 3969.6 |
| 56°   | 156.6  | 154.5  | 161.9  | 187.5  | 234.4  | 344.1  | 603.0  | 1536.3 | 2584.6 | 3542.4 | 4206.1 |
| 57°   | 148.1  | 149.2  | 153.4  | 171.5  | 210.9  | 304.7  | 527.4  | 1447.9 | 2569.7 | 3648.9 | 4380.8 |
| 58°   | 143.8  | 141.7  | 150.2  | 161.9  | 186.4  | 270.6  | 475.2  | 1343.4 | 2546.3 | 3736.3 | 4635.5 |
| 59°   | 137.4  | 136.4  | 141.7  | 152.3  | 173.7  | 240.8  | 411.2  | 1230.5 | 2500.4 | 3849.2 | 4825.1 |
| 60°   | 135.3  | 134.2  | 136.4  | 144.9  | 159.8  | 210.9  | 362.2  | 1098.4 | 2377.9 | 3965.3 | 5060.6 |
| 61°   | 128.9  | 130.0  | 134.2  | 139.6  | 151.3  | 189.6  | 326.0  | 963.1  | 2298.0 | 4063.4 | 5320.5 |
| 62°   | 130.0  | 127.8  | 130.0  | 134.2  | 142.8  | 174.7  | 285.5  | 829.9  | 2155.3 | 4174.2 | 5515.5 |
| 63°   | 123.6  | 122.5  | 125.7  | 131.0  | 135.3  | 157.7  | 249.3  | 717.0  | 1993.3 | 4199.7 | 5680.6 |
| 64°   | 121.5  | 120.4  | 121.5  | 128.9  | 130.0  | 148.1  | 220.5  | 612.6  | 1758.9 | 4243.4 | 5892.6 |
| 65°   | 116.1  | 116.1  | 118.3  | 121.5  | 125.7  | 139.6  | 197.1  | 531.6  | 1525.6 | 4128.3 | 5957.6 |
| 66°   | 111.9  | 112.9  | 112.9  | 118.3  | 121.5  | 130.0  | 181.1  | 451.7  | 1301.9 | 3945.1 | 6020.5 |
| 67°   | 108.7  | 108.7  | 109.7  | 114.0  | 117.2  | 122.5  | 163.0  | 391.0  | 1098.4 | 3726.7 | 5923.5 |
| 67.5° | 106.5  | 107.6  | 107.6  | 111.9  | 115.1  | 122.5  | 155.5  | 370.8  | 982.3  | 3487.0 | 5851.1 |
| 68°   | 103.3  | 104.4  | 104.4  | 108.7  | 111.9  | 118.3  | 150.2  | 338.8  | 905.6  | 3331.4 | 5716.8 |
| 69°   | 101.2  | 100.1  | 100.1  | 104.4  | 108.7  | 112.9  | 139.6  | 296.2  | 720.2  | 2896.8 | 5520.8 |
| 70°   | 94.8   | 94.8   | 96.9   | 100.1  | 103.3  | 107.6  | 128.9  | 261.0  | 609.4  | 2398.2 | 5015.8 |
| 71°   | 91.6   | 90.6   | 91.6   | 94.8   | 98.0   | 103.3  | 118.3  | 231.2  | 498.6  | 1991.2 | 4519.3 |
| 72°   | 85.2   | 87.4   | 87.4   | 90.6   | 93.8   | 96.9   | 110.8  | 201.4  | 418.7  | 1591.7 | 3972.8 |
| 72.5° | 84.2   | 84.2   | 85.2   | 88.4   | 90.6   | 95.9   | 106.5  | 192.8  | 382.5  | 1403.1 | 3743.7 |
| 73°   | 81.0   | 81.0   | 82.0   | 85.2   | 87.4   | 92.7   | 103.3  | 173.7  | 348.4  | 1248.6 | 3315.5 |
| 74°   | 77.8   | 76.7   | 76.7   | 81.0   | 82.0   | 87.4   | 96.9   | 153.4  | 291.9  | 940.7  | 2661.3 |
| 75°   | 72.4   | 72.4   | 73.5   | 75.6   | 76.7   | 81.0   | 89.5   | 136.4  | 246.1  | 729.8  | 2081.8 |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 70°   | 75°   | 80°   |
|-------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 77.5° | 59.7 | 60.7 | 61.8 | 63.9 | 63.9 | 67.1 | 73.5 | 94.8 | 150.2 | 369.7 | 955.6 |
| 80°   | 43.7 | 45.8 | 49.0 | 52.2 | 51.1 | 51.1 | 57.5 | 68.2 | 89.5  | 166.2 | 366.5 |
| 82.5° | 35.2 | 37.3 | 34.1 | 38.4 | 38.4 | 36.2 | 41.5 | 50.1 | 60.7  | 82.0  | 131.0 |
| 85°   | 23.4 | 24.5 | 20.2 | 23.4 | 22.4 | 22.4 | 27.7 | 29.8 | 37.3  | 45.8  | 65.0  |
| 87.5° | 10.7 | 10.7 | 8.5  | 9.6  | 9.6  | 9.6  | 13.8 | 10.7 | 16.0  | 22.4  | 38.4  |
| 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):**

|       | 85°    | 87.5°  | 90°    | 92°    | 92.5°  | 95°    | 100°   | 105°   | 110°   | 115°   | 125°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  | 907.7  |
| 2.5°  | 909.8  | 914.1  | 914.1  | 909.8  | 906.6  | 909.8  | 907.7  | 902.4  | 907.7  | 909.8  | 910.9  |
| 5°    | 922.6  | 914.1  | 918.4  | 908.8  | 915.2  | 914.1  | 912.0  | 917.3  | 918.4  | 918.4  | 925.8  |
| 7.5°  | 936.5  | 947.1  | 933.3  | 934.3  | 937.5  | 924.7  | 929.0  | 931.1  | 926.9  | 935.4  | 941.8  |
| 10°   | 961.0  | 965.2  | 961.0  | 945.0  | 955.6  | 947.1  | 943.9  | 953.5  | 951.4  | 953.5  | 963.1  |
| 12.5° | 983.3  | 990.8  | 979.1  | 978.0  | 972.7  | 965.2  | 969.5  | 968.4  | 983.3  | 985.5  | 997.2  |
| 15°   | 1029.2 | 1010.0 | 1005.7 | 1004.7 | 1002.5 | 999.3  | 1001.5 | 1002.5 | 1021.7 | 1024.9 | 1052.6 |
| 17.5° | 1068.6 | 1065.4 | 1041.9 | 1050.5 | 1050.5 | 1037.7 | 1032.4 | 1050.5 | 1065.4 | 1081.4 | 1100.5 |
| 20°   | 1109.1 | 1105.9 | 1080.3 | 1081.4 | 1071.8 | 1083.5 | 1077.1 | 1094.1 | 1119.7 | 1125.0 | 1142.1 |
| 22.5° | 1157.0 | 1143.2 | 1125.0 | 1127.2 | 1130.4 | 1121.8 | 1117.6 | 1141.0 | 1166.6 | 1181.5 | 1182.6 |
| 25°   | 1232.6 | 1197.5 | 1182.6 | 1184.7 | 1180.4 | 1174.0 | 1177.2 | 1207.1 | 1219.9 | 1251.8 | 1245.4 |
| 27.5° | 1273.1 | 1252.9 | 1242.2 | 1217.7 | 1218.8 | 1209.2 | 1222.0 | 1266.7 | 1292.3 | 1316.8 | 1267.8 |
| 30°   | 1322.1 | 1309.4 | 1262.5 | 1254.0 | 1252.9 | 1248.6 | 1272.1 | 1329.6 | 1367.9 | 1381.8 | 1311.5 |
| 32.5° | 1418.0 | 1366.9 | 1355.2 | 1347.7 | 1330.7 | 1336.0 | 1347.7 | 1423.3 | 1484.1 | 1480.9 | 1352.0 |
| 35°   | 1527.8 | 1492.6 | 1459.6 | 1453.2 | 1451.0 | 1436.1 | 1456.4 | 1544.8 | 1591.7 | 1577.8 | 1366.9 |
| 37.5° | 1703.5 | 1650.3 | 1605.5 | 1581.0 | 1576.8 | 1566.1 | 1614.0 | 1684.4 | 1745.1 | 1690.8 | 1378.6 |
| 40°   | 1789.8 | 1730.2 | 1688.6 | 1673.7 | 1676.9 | 1691.8 | 1738.7 | 1846.3 | 1872.9 | 1772.8 | 1388.2 |
| 42.5° | 1913.4 | 1848.4 | 1766.4 | 1758.9 | 1749.4 | 1756.8 | 1847.4 | 1992.3 | 2014.6 | 1883.6 | 1352.0 |
| 45°   | 2132.9 | 2034.9 | 1940.1 | 1897.4 | 1899.6 | 1919.8 | 2060.4 | 2219.2 | 2177.6 | 1960.3 | 1294.4 |
| 47.5° | 2409.9 | 2266.1 | 2189.4 | 2131.8 | 2159.5 | 2137.2 | 2360.9 | 2487.7 | 2346.0 | 2057.2 | 1224.1 |
| 50°   | 2826.5 | 2625.1 | 2520.7 | 2451.4 | 2463.2 | 2482.3 | 2709.3 | 2816.9 | 2532.4 | 2104.1 | 1116.5 |
| 52.5° | 3351.7 | 3092.8 | 2939.4 | 2846.7 | 2855.2 | 2896.8 | 3189.7 | 3156.7 | 2745.5 | 2143.5 | 972.7  |
| 55°   | 3980.3 | 3713.9 | 3416.7 | 3378.3 | 3368.7 | 3467.8 | 3790.6 | 3512.6 | 2937.3 | 2080.7 | 823.5  |
| 56°   | 4312.7 | 4029.3 | 3720.3 | 3641.5 | 3618.0 | 3687.3 | 4066.6 | 3690.5 | 3003.3 | 2010.4 | 752.2  |
| 57°   | 4595.0 | 4324.4 | 3985.6 | 3851.3 | 3881.2 | 4011.2 | 4340.4 | 3857.7 | 3064.0 | 1937.9 | 685.0  |
| 58°   | 4982.8 | 4673.8 | 4315.9 | 4213.6 | 4186.9 | 4290.3 | 4635.5 | 4026.1 | 3084.3 | 1863.3 | 623.2  |
| 59°   | 5369.5 | 4998.8 | 4676.0 | 4489.5 | 4497.0 | 4685.5 | 4926.3 | 4226.4 | 3115.2 | 1768.5 | 544.4  |
| 60°   | 5663.6 | 5477.1 | 5045.6 | 4906.1 | 4886.9 | 5159.6 | 5216.1 | 4360.6 | 3148.2 | 1640.7 | 489.0  |
| 61°   | 6080.1 | 5837.2 | 5435.6 | 5255.5 | 5307.7 | 5526.1 | 5529.3 | 4528.9 | 3099.2 | 1478.7 | 420.8  |
| 62°   | 6379.5 | 6315.6 | 5893.7 | 5722.2 | 5706.2 | 5996.0 | 5855.3 | 4677.0 | 3056.6 | 1325.3 | 371.8  |
| 63°   | 6730.0 | 6730.0 | 6345.4 | 6211.2 | 6218.6 | 6447.7 | 5997.0 | 4825.1 | 3007.6 | 1155.9 | 327.1  |
| 64°   | 6912.2 | 7141.2 | 6786.5 | 6597.9 | 6646.9 | 6845.1 | 6249.5 | 4922.1 | 2856.3 | 984.4  | 287.7  |
| 65°   | 7069.9 | 7414.0 | 7216.9 | 7129.5 | 7054.9 | 7172.1 | 6467.9 | 5012.6 | 2625.1 | 837.4  | 255.7  |
| 66°   | 7203.0 | 7670.7 | 7605.7 | 7512.0 | 7504.5 | 7477.9 | 6510.5 | 5009.4 | 2386.4 | 707.4  | 223.7  |
| 67°   | 7135.9 | 7676.1 | 7794.3 | 7833.7 | 7822.0 | 7540.8 | 6436.0 | 4895.4 | 2080.7 | 597.7  | 199.2  |
| 67.5° | 7075.2 | 7632.4 | 7907.2 | 7884.9 | 7933.9 | 7594.0 | 6448.7 | 4755.9 | 1863.3 | 541.2  | 187.5  |
| 68°   | 7021.9 | 7573.8 | 7953.1 | 7981.8 | 7957.3 | 7600.4 | 6378.4 | 4645.1 | 1715.3 | 508.2  | 176.9  |
| 69°   | 6618.1 | 7295.7 | 7879.5 | 7982.9 | 7920.0 | 7356.4 | 6154.7 | 4356.3 | 1362.6 | 433.6  | 163.0  |
| 70°   | 6213.3 | 6935.6 | 7522.6 | 7712.3 | 7634.5 | 6884.5 | 5872.4 | 3897.2 | 1124.0 | 370.8  | 147.0  |
| 71°   | 5652.9 | 6266.6 | 7047.5 | 7161.5 | 7067.7 | 6347.5 | 5288.5 | 3412.4 | 874.7  | 314.3  | 131.0  |
| 72°   | 4892.2 | 5413.2 | 6159.0 | 6434.9 | 6296.4 | 5575.1 | 4698.3 | 2820.1 | 708.5  | 264.2  | 119.3  |
| 72.5° | 4515.1 | 5048.8 | 5768.0 | 5790.3 | 5817.0 | 5239.5 | 4448.0 | 2477.0 | 617.9  | 245.0  | 116.1  |
| 73°   | 4157.1 | 4680.2 | 5302.4 | 5381.2 | 5268.3 | 4673.8 | 4074.0 | 2214.9 | 564.7  | 223.7  | 111.9  |
| 74°   | 3368.7 | 3667.0 | 4182.7 | 4259.4 | 4160.3 | 3810.9 | 3329.3 | 1698.2 | 449.6  | 192.8  | 102.3  |
| 75°   | 2650.7 | 2814.7 | 3281.4 | 3234.5 | 3086.4 | 2963.9 | 2581.4 | 1297.6 | 364.4  | 169.4  | 94.8   |



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**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 87.5°  | 90°    | 92°    | 92.5°  | 95°    | 100°   | 105°  | 110°  | 115°  | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 77.5° | 1191.1 | 1290.2 | 1367.9 | 1367.9 | 1376.5 | 1313.6 | 1190.0 | 595.5 | 224.8 | 122.5 | 77.8 |
| 80°   | 453.9  | 508.2  | 525.2  | 526.3  | 533.8  | 552.9  | 514.6  | 293.0 | 133.2 | 87.4  | 62.9 |
| 82.5° | 329.2  | 460.2  | 495.4  | 469.8  | 472.0  | 426.2  | 197.1  | 130.0 | 84.2  | 60.7  | 45.8 |
| 85°   | 298.3  | 400.6  | 424.0  | 420.8  | 421.9  | 394.2  | 116.1  | 63.9  | 49.0  | 38.4  | 32.0 |
| 87.5° | 144.9  | 141.7  | 150.2  | 169.4  | 165.1  | 214.1  | 98.0   | 32.0  | 21.3  | 16.0  | 16.0 |
| 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):**

|       | 135°   | 145°   | 155°   | 165°   | 175°  | 180°  |
|-------|--------|--------|--------|--------|-------|-------|
| 0°    | 907.7  | 907.7  | 907.7  | 907.7  | 907.7 | 907.7 |
| 2.5°  | 902.4  | 901.3  | 916.2  | 901.3  | 909.8 | 903.4 |
| 5°    | 913.0  | 917.3  | 920.5  | 926.9  | 912.0 | 926.9 |
| 7.5°  | 945.0  | 949.3  | 950.3  | 955.6  | 949.3 | 948.2 |
| 10°   | 969.5  | 980.1  | 986.5  | 965.2  | 978.0 | 977.0 |
| 12.5° | 1017.4 | 1006.8 | 1005.7 | 1001.5 | 989.7 | 985.5 |
| 15°   | 1051.5 | 1035.5 | 1026.0 | 1008.9 | 995.1 | 989.7 |
| 17.5° | 1099.5 | 1068.6 | 1029.2 | 994.0  | 969.5 | 950.3 |
| 20°   | 1129.3 | 1073.9 | 995.1  | 953.5  | 916.2 | 924.7 |
| 22.5° | 1148.5 | 1068.6 | 964.2  | 910.9  | 873.6 | 884.3 |
| 25°   | 1154.9 | 1041.9 | 942.9  | 876.8  | 840.6 | 833.1 |
| 27.5° | 1136.8 | 1011.0 | 901.3  | 826.7  | 794.8 | 801.2 |
| 30°   | 1128.2 | 966.3  | 863.0  | 789.4  | 746.8 | 753.2 |
| 32.5° | 1105.9 | 920.5  | 811.8  | 737.2  | 706.3 | 695.7 |
| 35°   | 1073.9 | 882.1  | 762.8  | 692.5  | 655.2 | 646.7 |
| 37.5° | 1034.5 | 834.2  | 720.2  | 635.0  | 601.9 | 595.5 |
| 40°   | 975.9  | 776.7  | 658.4  | 584.9  | 546.5 | 545.5 |
| 42.5° | 924.7  | 721.3  | 600.9  | 525.2  | 486.9 | 489.0 |
| 45°   | 859.8  | 646.7  | 534.8  | 469.8  | 431.5 | 433.6 |
| 47.5° | 776.7  | 577.4  | 472.0  | 399.5  | 367.6 | 365.4 |
| 50°   | 678.6  | 498.6  | 395.3  | 333.5  | 306.8 | 301.5 |
| 52.5° | 584.9  | 418.7  | 323.9  | 268.5  | 246.1 | 244.0 |
| 55°   | 466.6  | 326.0  | 252.5  | 210.9  | 193.9 | 195.0 |
| 56°   | 424.0  | 300.4  | 230.1  | 192.8  | 180.0 | 180.0 |
| 57°   | 383.5  | 266.3  | 208.8  | 177.9  | 166.2 | 166.2 |
| 58°   | 338.8  | 234.4  | 189.6  | 160.9  | 155.5 | 151.3 |
| 59°   | 307.9  | 213.1  | 171.5  | 152.3  | 143.8 | 142.8 |
| 60°   | 271.7  | 191.8  | 159.8  | 142.8  | 136.4 | 135.3 |
| 61°   | 240.8  | 172.6  | 147.0  | 133.2  | 131.0 | 131.0 |
| 62°   | 215.2  | 159.8  | 136.4  | 128.9  | 127.8 | 124.6 |
| 63°   | 192.8  | 147.0  | 131.0  | 122.5  | 119.3 | 122.5 |
| 64°   | 172.6  | 135.3  | 126.8  | 120.4  | 116.1 | 118.3 |
| 65°   | 156.6  | 130.0  | 121.5  | 117.2  | 112.9 | 114.0 |
| 66°   | 146.0  | 121.5  | 117.2  | 111.9  | 109.7 | 110.8 |
| 67°   | 132.1  | 117.2  | 112.9  | 107.6  | 106.5 | 107.6 |
| 67.5° | 127.8  | 114.0  | 110.8  | 105.5  | 104.4 | 105.5 |
| 68°   | 124.6  | 111.9  | 109.7  | 104.4  | 103.3 | 102.3 |
| 69°   | 116.1  | 107.6  | 104.4  | 102.3  | 100.1 | 99.1  |
| 70°   | 108.7  | 103.3  | 101.2  | 98.0   | 95.9  | 94.8  |
| 71°   | 104.4  | 98.0   | 96.9   | 93.8   | 91.6  | 90.6  |
| 72°   | 99.1   | 94.8   | 92.7   | 88.4   | 87.4  | 88.4  |
| 72.5° | 98.0   | 92.7   | 91.6   | 87.4   | 86.3  | 86.3  |
| 73°   | 94.8   | 88.4   | 89.5   | 85.2   | 83.1  | 85.2  |
| 74°   | 88.4   | 86.3   | 84.2   | 81.0   | 79.9  | 79.9  |
| 75°   | 83.1   | 81.0   | 78.8   | 76.7   | 76.7  | 76.7  |



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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|
| 77.5° | 70.3 | 69.2 | 70.3 | 66.1 | 65.0 | 63.9 |
| 80°   | 56.5 | 56.5 | 57.5 | 54.3 | 52.2 | 51.1 |
| 82.5° | 42.6 | 43.7 | 45.8 | 42.6 | 40.5 | 38.4 |
| 85°   | 27.7 | 28.8 | 28.8 | 25.6 | 29.8 | 27.7 |
| 87.5° | 13.8 | 14.9 | 13.8 | 12.8 | 14.9 | 14.9 |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)