

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: STREETWORKS

Report Number: P156865

Luminaire Tested: **AVS-F02-LED-E-U-T4**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P156865  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-F02-LED-E-U-T4  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT  
Light Source: (14) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4989.5 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 55  
Input Voltage (V): NR  
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: 28.75 FT

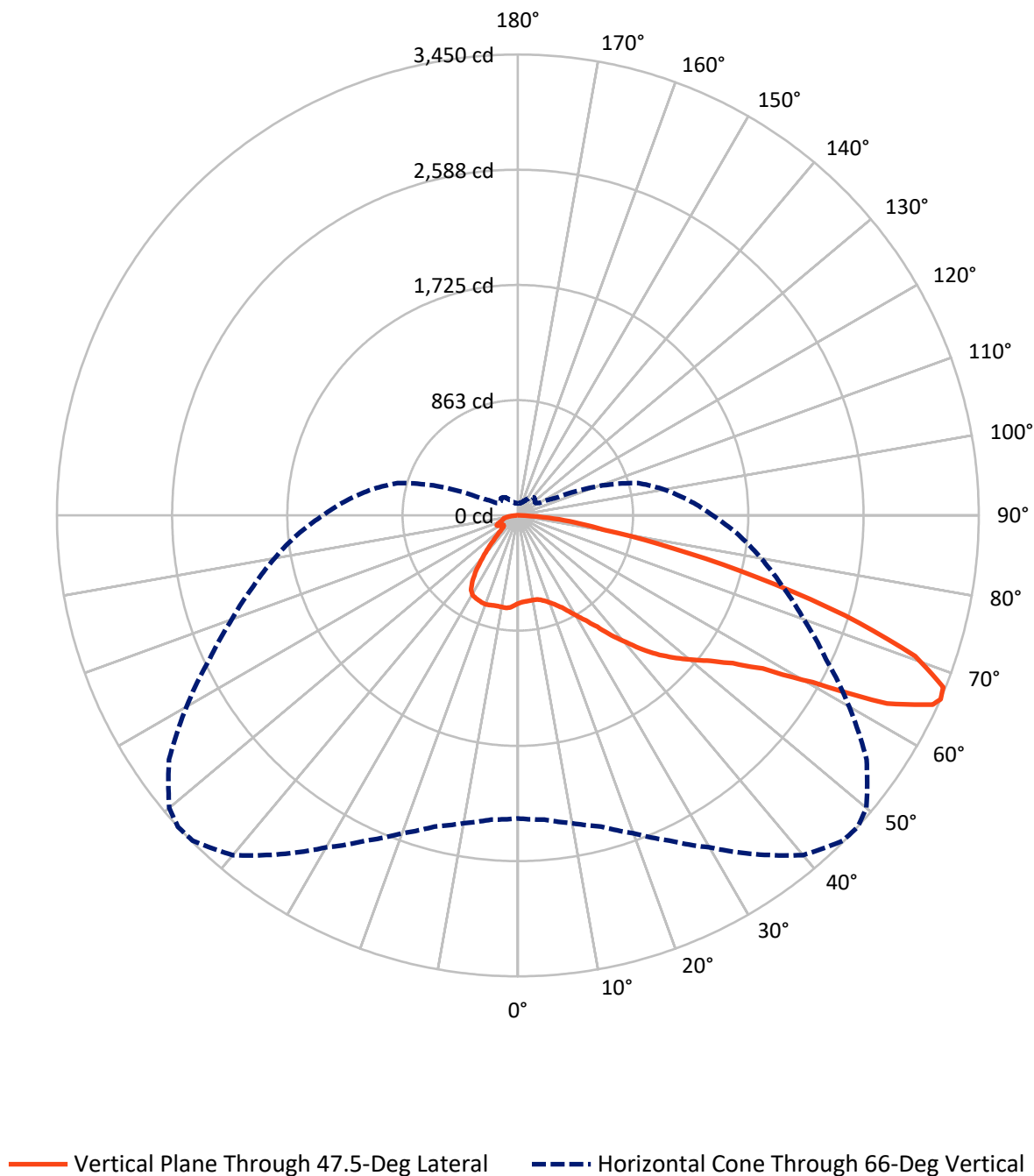




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CATALOG NUMBER: AVS-F02-LED-E-U-T4

## Luminous Intensity Polar Plot



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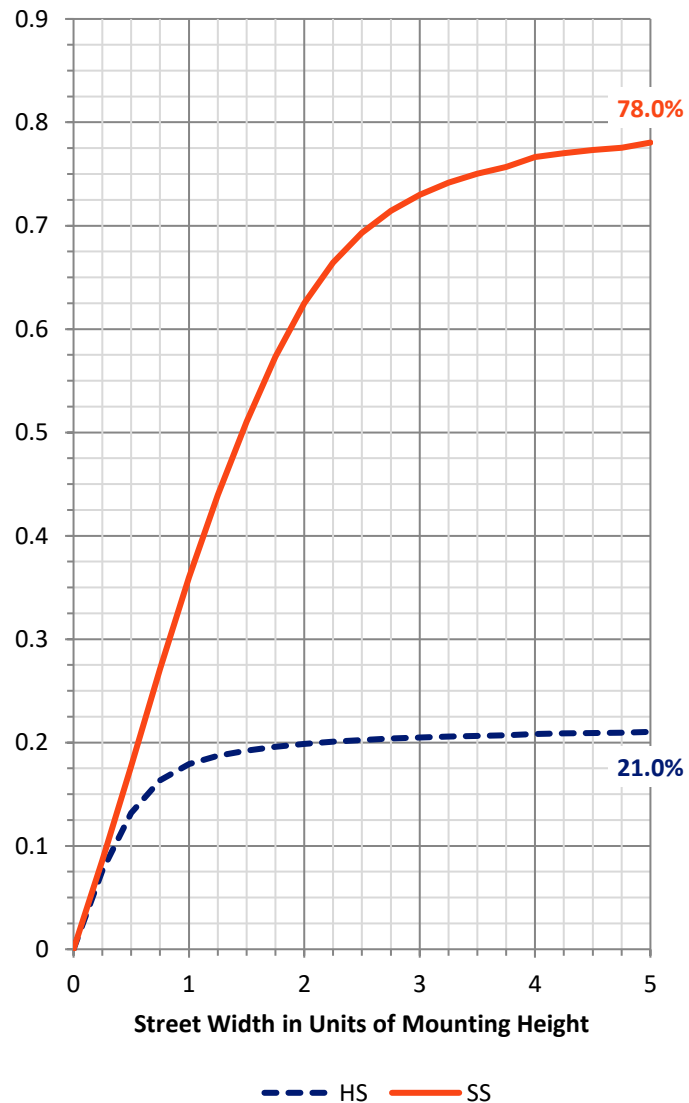
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1064.7   | 0.0    | 1064.7 |
|                    | % Fixture | 21.3     | 0.0    | 21.3   |
| <b>Street Side</b> | Lumens    | 3924.9   | 0.0    | 3924.9 |
|                    | % Fixture | 78.7     | 0.0    | 78.7   |
| <b>Total</b>       | Lumens    | 4989.5   | 0.0    | 4989.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.9   | 1.3       |
| 10°-20°   | 193.9  | 3.9       |
| 20°-30°   | 334.0  | 6.7       |
| 30°-40°   | 505.3  | 10.1      |
| 40°-50°   | 654.9  | 13.1      |
| 50°-60°   | 902.9  | 18.1      |
| 60°-70°   | 1402.9 | 28.1      |
| 70°-80°   | 815.8  | 16.3      |
| 80°-90°   | 116.0  | 2.3       |
| 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°    | 4989.5 | 100.0     |
| 0°-180°   | 4989.5 | 100.0     |

**Coefficient of Utilization**



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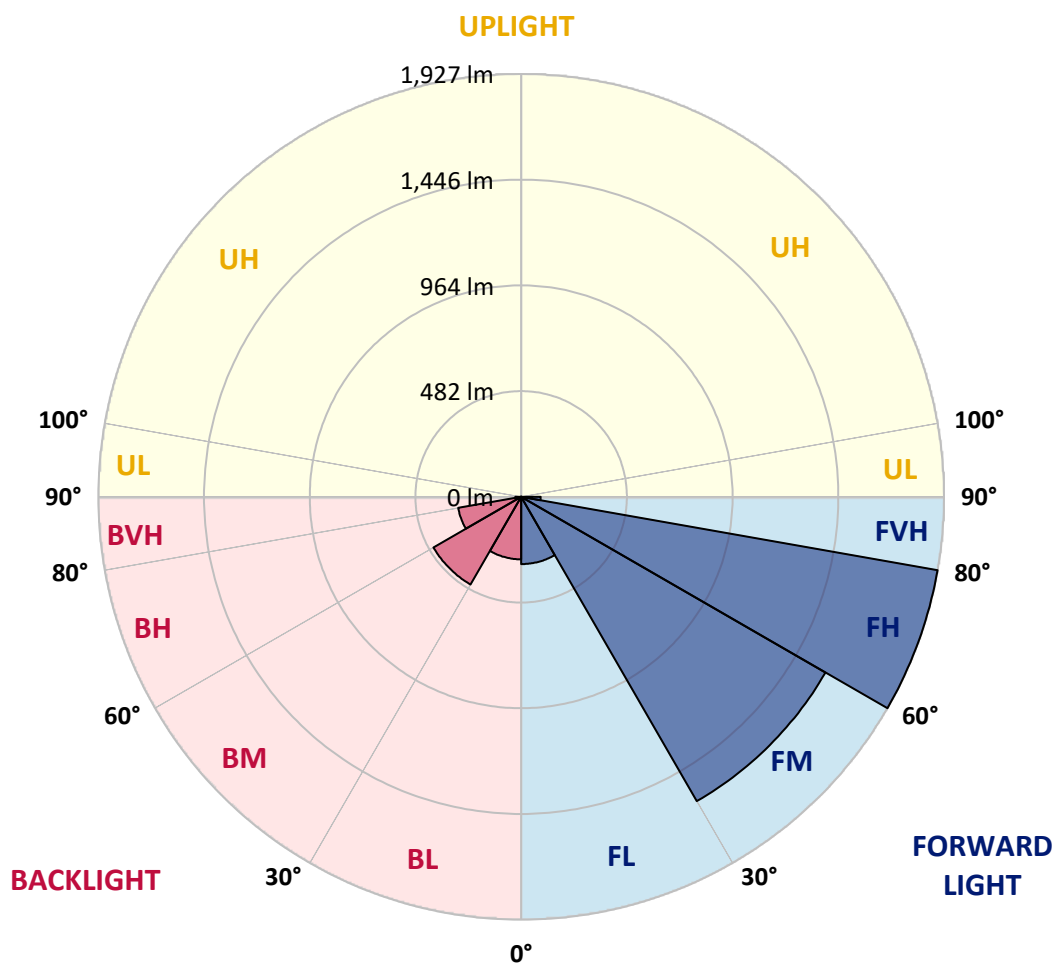
CATALOG NUMBER: AVS-F02-LED-E-U-T4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 306.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1601.6 | 32.1      |                         |      |         |
| FH   | (60°-80°)   | 1927.5 | 38.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 89.0   | 1.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 285.0  | 5.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 461.5  | 9.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 291.2  | 5.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 27.0   | 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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 47.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  |
| 2.5°  | 645.6  | 647.8  | 646.1  | 646.6  | 646.6  | 647.3  | 647.3  | 647.8  | 647.3  | 648.9  | 649.9  |
| 5°    | 634.0  | 635.1  | 634.5  | 635.6  | 636.8  | 639.0  | 638.4  | 641.1  | 641.7  | 643.3  | 646.1  |
| 7.5°  | 629.6  | 628.5  | 629.0  | 630.7  | 631.8  | 633.0  | 634.0  | 636.2  | 637.8  | 641.7  | 643.9  |
| 10°   | 634.0  | 633.5  | 634.0  | 635.1  | 635.1  | 635.6  | 634.5  | 636.8  | 637.8  | 641.1  | 643.3  |
| 12.5° | 652.1  | 652.1  | 651.1  | 651.1  | 649.9  | 648.9  | 646.1  | 644.5  | 643.9  | 644.5  | 645.6  |
| 15°   | 681.3  | 680.2  | 678.0  | 676.4  | 674.2  | 670.4  | 666.4  | 663.2  | 660.9  | 657.6  | 656.6  |
| 17.5° | 709.9  | 708.3  | 706.1  | 703.9  | 701.1  | 697.3  | 691.2  | 687.4  | 681.3  | 677.5  | 675.2  |
| 20°   | 743.0  | 739.7  | 736.9  | 734.2  | 728.7  | 727.6  | 721.6  | 714.9  | 707.8  | 699.0  | 697.8  |
| 22.5° | 785.9  | 780.4  | 777.1  | 775.4  | 769.9  | 768.3  | 758.3  | 749.0  | 740.2  | 728.7  | 725.9  |
| 25°   | 829.3  | 823.8  | 822.2  | 820.0  | 816.2  | 814.0  | 804.7  | 794.2  | 782.6  | 766.6  | 763.3  |
| 27.5° | 871.7  | 872.3  | 867.9  | 869.5  | 868.5  | 864.6  | 855.2  | 844.8  | 836.0  | 817.3  | 813.4  |
| 30°   | 924.6  | 921.2  | 919.1  | 922.4  | 918.5  | 919.1  | 910.9  | 905.3  | 891.0  | 880.0  | 872.3  |
| 32.5° | 979.6  | 979.1  | 982.4  | 984.6  | 984.0  | 982.9  | 976.3  | 970.8  | 958.1  | 942.2  | 938.9  |
| 35°   | 1055.0 | 1058.3 | 1061.0 | 1071.0 | 1071.0 | 1078.1 | 1071.5 | 1065.0 | 1050.1 | 1030.8 | 1024.2 |
| 37.5° | 1106.2 | 1107.3 | 1118.3 | 1131.5 | 1148.0 | 1163.4 | 1167.9 | 1169.5 | 1163.4 | 1149.1 | 1139.3 |
| 40°   | 1153.0 | 1155.2 | 1172.7 | 1193.2 | 1217.4 | 1247.7 | 1265.8 | 1274.1 | 1275.8 | 1269.1 | 1247.7 |
| 42.5° | 1199.8 | 1203.1 | 1221.2 | 1251.0 | 1284.6 | 1323.0 | 1354.9 | 1375.3 | 1386.8 | 1386.8 | 1374.2 |
| 45°   | 1254.2 | 1258.7 | 1278.4 | 1311.0 | 1350.1 | 1398.4 | 1442.5 | 1481.6 | 1500.2 | 1501.3 | 1489.2 |
| 47.5° | 1318.7 | 1322.5 | 1345.6 | 1378.7 | 1418.8 | 1467.8 | 1523.4 | 1568.0 | 1602.6 | 1604.9 | 1594.9 |
| 50°   | 1401.8 | 1407.3 | 1426.5 | 1456.3 | 1497.5 | 1547.0 | 1602.6 | 1664.8 | 1701.1 | 1709.9 | 1699.5 |
| 52.5° | 1511.8 | 1513.0 | 1528.9 | 1556.4 | 1596.6 | 1643.9 | 1702.8 | 1770.5 | 1818.3 | 1825.5 | 1808.5 |
| 55°   | 1663.7 | 1662.1 | 1672.5 | 1702.3 | 1732.5 | 1769.3 | 1830.5 | 1906.4 | 1959.8 | 1970.8 | 1953.2 |
| 57.5° | 1870.1 | 1868.4 | 1877.2 | 1884.4 | 1941.0 | 1976.9 | 2036.9 | 2109.5 | 2161.2 | 2193.2 | 2162.9 |
| 60°   | 2189.8 | 2188.2 | 2202.5 | 2244.4 | 2286.7 | 2339.0 | 2397.3 | 2484.2 | 2556.9 | 2566.3 | 2536.6 |
| 62.5° | 2421.6 | 2429.8 | 2461.1 | 2510.2 | 2596.0 | 2698.3 | 2805.2 | 2919.6 | 3068.7 | 3116.1 | 3101.8 |
| 65°   | 2340.6 | 2357.1 | 2400.6 | 2474.9 | 2589.4 | 2730.9 | 2898.1 | 3105.6 | 3305.4 | 3417.1 | 3413.8 |
| 66°   | 2268.0 | 2286.1 | 2339.6 | 2411.1 | 2532.1 | 2686.8 | 2869.5 | 3095.8 | 3319.2 | 3442.5 | 3450.2 |
| 67.5° | 2136.0 | 2156.3 | 2208.6 | 2293.3 | 2411.1 | 2575.6 | 2772.1 | 3018.1 | 3270.8 | 3414.4 | 3434.7 |
| 70°   | 1878.9 | 1902.0 | 1940.0 | 2009.8 | 2126.0 | 2273.0 | 2479.9 | 2700.0 | 2964.8 | 3129.3 | 3154.1 |
| 72.5° | 1570.7 | 1591.1 | 1633.5 | 1690.7 | 1785.9 | 1878.3 | 2040.7 | 2203.0 | 2392.3 | 2580.0 | 2561.9 |
| 75°   | 1127.7 | 1136.5 | 1161.8 | 1223.9 | 1275.1 | 1358.2 | 1488.7 | 1621.9 | 1751.2 | 1837.1 | 1849.2 |
| 77.5° | 586.1  | 609.2  | 645.0  | 713.8  | 769.4  | 844.2  | 929.0  | 1029.1 | 1123.8 | 1202.5 | 1181.0 |
| 80°   | 383.6  | 393.5  | 425.4  | 460.6  | 501.3  | 549.2  | 605.9  | 643.3  | 655.4  | 650.5  | 655.4  |
| 82.5° | 221.2  | 239.4  | 281.8  | 308.7  | 339.1  | 355.5  | 400.6  | 443.6  | 467.8  | 437.5  | 426.5  |
| 85°   | 28.1   | 36.4   | 114.5  | 144.1  | 165.1  | 189.8  | 203.6  | 229.5  | 214.1  | 191.5  | 233.4  |
| 87.5° | 6.0    | 5.5    | 7.7    | 16.5   | 17.1   | 14.3   | 26.9   | 28.6   | 17.6   | 8.8    | 11.0   |
| 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°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  | 657.6  |
| 2.5°  | 651.1  | 651.6  | 652.7  | 654.4  | 655.4  | 656.6  | 657.6  | 659.3  | 660.4  | 661.6  | 663.7  |
| 5°    | 648.3  | 650.5  | 652.7  | 654.9  | 657.6  | 662.1  | 664.9  | 667.0  | 669.2  | 673.7  | 675.2  |
| 7.5°  | 646.6  | 650.5  | 653.8  | 657.6  | 662.1  | 665.9  | 670.9  | 673.7  | 676.9  | 679.7  | 683.0  |
| 10°   | 645.6  | 651.1  | 654.4  | 659.9  | 664.9  | 668.7  | 674.2  | 677.5  | 681.3  | 684.7  | 686.3  |
| 12.5° | 647.8  | 650.5  | 653.8  | 659.3  | 665.4  | 670.9  | 676.9  | 679.7  | 683.0  | 685.7  | 686.3  |
| 15°   | 657.1  | 657.1  | 657.6  | 662.1  | 668.1  | 672.5  | 677.5  | 680.2  | 681.9  | 683.5  | 683.5  |
| 17.5° | 674.2  | 670.4  | 667.6  | 668.1  | 672.0  | 674.7  | 677.5  | 677.5  | 676.4  | 675.9  | 674.7  |
| 20°   | 694.0  | 689.0  | 683.5  | 679.7  | 678.5  | 676.4  | 674.7  | 669.2  | 664.9  | 660.9  | 658.2  |
| 22.5° | 722.6  | 714.9  | 707.2  | 700.0  | 693.5  | 685.2  | 675.9  | 664.9  | 654.4  | 647.3  | 642.8  |
| 25°   | 757.8  | 751.8  | 742.4  | 731.4  | 723.1  | 707.8  | 695.6  | 679.7  | 666.4  | 657.1  | 649.4  |
| 27.5° | 807.9  | 800.7  | 791.9  | 782.1  | 769.9  | 752.8  | 738.0  | 719.3  | 703.3  | 689.6  | 679.7  |
| 30°   | 870.1  | 860.7  | 854.1  | 842.1  | 833.8  | 814.5  | 799.7  | 776.6  | 745.7  | 723.7  | 709.9  |
| 32.5° | 934.0  | 923.5  | 918.0  | 908.6  | 899.3  | 887.7  | 865.2  | 829.3  | 789.7  | 754.0  | 730.4  |
| 35°   | 1019.3 | 1008.3 | 998.3  | 990.1  | 976.3  | 954.8  | 935.0  | 892.1  | 837.6  | 787.6  | 747.9  |
| 37.5° | 1126.5 | 1108.4 | 1083.6 | 1062.7 | 1038.5 | 1007.7 | 977.4  | 933.4  | 871.2  | 806.2  | 753.5  |
| 40°   | 1241.0 | 1209.1 | 1173.9 | 1134.8 | 1093.0 | 1048.4 | 1013.8 | 969.1  | 899.3  | 822.2  | 749.5  |
| 42.5° | 1360.4 | 1309.8 | 1260.8 | 1205.8 | 1147.5 | 1094.6 | 1049.5 | 1000.5 | 920.2  | 826.6  | 734.2  |
| 45°   | 1478.8 | 1422.1 | 1347.8 | 1275.8 | 1202.0 | 1136.5 | 1085.8 | 1030.8 | 939.5  | 828.3  | 713.8  |
| 47.5° | 1576.8 | 1518.4 | 1433.7 | 1343.4 | 1255.9 | 1181.6 | 1122.2 | 1062.7 | 965.3  | 839.8  | 708.8  |
| 50°   | 1680.2 | 1609.2 | 1515.1 | 1408.4 | 1309.3 | 1226.2 | 1162.9 | 1101.2 | 1001.7 | 869.5  | 724.8  |
| 52.5° | 1793.1 | 1711.6 | 1601.6 | 1482.1 | 1373.7 | 1280.6 | 1211.9 | 1148.6 | 1047.9 | 911.4  | 755.1  |
| 55°   | 1930.7 | 1831.0 | 1711.6 | 1576.8 | 1460.6 | 1357.7 | 1281.8 | 1206.9 | 1102.9 | 960.9  | 793.1  |
| 57.5° | 2140.8 | 2018.7 | 1884.4 | 1730.9 | 1602.1 | 1480.4 | 1389.6 | 1303.2 | 1188.2 | 1034.6 | 844.8  |
| 60°   | 2521.1 | 2390.7 | 2216.3 | 2030.3 | 1878.9 | 1736.9 | 1603.7 | 1496.4 | 1354.9 | 1180.0 | 959.3  |
| 62.5° | 3066.0 | 2892.6 | 2659.8 | 2399.5 | 2201.5 | 1996.7 | 1846.4 | 1686.8 | 1511.3 | 1322.5 | 1094.1 |
| 65°   | 3368.7 | 3158.4 | 2846.9 | 2544.8 | 2290.1 | 2067.7 | 1876.7 | 1691.8 | 1497.0 | 1316.5 | 1125.5 |
| 66°   | 3406.1 | 3187.0 | 2863.4 | 2545.4 | 2277.9 | 2049.5 | 1848.6 | 1657.1 | 1457.9 | 1285.6 | 1112.2 |
| 67.5° | 3390.7 | 3166.7 | 2833.2 | 2497.5 | 2225.6 | 1980.2 | 1772.6 | 1574.0 | 1375.3 | 1214.6 | 1068.2 |
| 70°   | 3138.1 | 2925.7 | 2598.2 | 2273.0 | 2014.8 | 1772.6 | 1574.5 | 1379.2 | 1197.0 | 1059.4 | 951.6  |
| 72.5° | 2605.9 | 2424.2 | 2139.8 | 1884.4 | 1681.9 | 1482.1 | 1314.2 | 1127.7 | 973.6  | 871.7  | 807.9  |
| 75°   | 1881.1 | 1771.0 | 1511.8 | 1365.4 | 1187.7 | 1055.0 | 892.1  | 781.5  | 670.9  | 621.3  | 610.4  |
| 77.5° | 1188.2 | 1040.2 | 875.6  | 720.9  | 592.7  | 491.5  | 382.5  | 324.7  | 270.8  | 265.3  | 320.3  |
| 80°   | 601.6  | 541.6  | 417.2  | 332.4  | 279.6  | 226.2  | 178.9  | 135.3  | 94.6   | 113.9  | 136.5  |
| 82.5° | 394.1  | 328.6  | 257.5  | 211.9  | 184.4  | 153.0  | 118.9  | 82.6   | 60.5   | 68.3   | 93.6   |
| 85°   | 213.0  | 181.7  | 146.4  | 115.5  | 93.6   | 83.6   | 56.2   | 39.6   | 39.1   | 41.9   | 53.4   |
| 87.5° | 15.4   | 15.4   | 12.1   | 11.0   | 13.2   | 11.0   | 9.9    | 9.9    | 9.3    | 9.9    | 13.2   |
| 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):**

|       | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |
| 2.5°  | 664.9 | 666.4 | 667.0 | 669.7 | 671.4 | 672.5 | 673.7 | 673.7 | 674.2 | 675.9 | 676.4 |
| 5°    | 677.5 | 680.2 | 683.5 | 685.7 | 686.8 | 690.2 | 691.2 | 691.2 | 692.3 | 694.5 | 696.2 |
| 7.5°  | 685.2 | 689.0 | 692.3 | 693.5 | 695.6 | 696.8 | 698.4 | 699.5 | 699.5 | 701.7 | 702.8 |
| 10°   | 688.0 | 690.2 | 693.5 | 693.5 | 695.6 | 695.6 | 697.3 | 697.8 | 697.8 | 700.0 | 701.7 |
| 12.5° | 688.0 | 689.0 | 691.8 | 691.8 | 693.5 | 694.0 | 696.2 | 697.8 | 698.4 | 701.1 | 703.3 |
| 15°   | 684.7 | 685.7 | 688.0 | 688.5 | 692.3 | 694.5 | 699.5 | 702.8 | 702.8 | 705.6 | 706.6 |
| 17.5° | 675.2 | 678.0 | 682.4 | 686.8 | 694.0 | 699.0 | 705.0 | 707.8 | 705.6 | 703.9 | 702.3 |
| 20°   | 659.9 | 664.9 | 675.2 | 686.3 | 699.0 | 705.6 | 708.8 | 706.1 | 698.4 | 690.7 | 685.7 |
| 22.5° | 644.5 | 654.4 | 672.0 | 688.5 | 702.8 | 707.2 | 705.6 | 695.6 | 683.0 | 673.7 | 667.0 |
| 25°   | 651.6 | 663.2 | 680.2 | 695.1 | 704.5 | 703.3 | 696.8 | 683.0 | 669.2 | 657.1 | 646.1 |
| 27.5° | 681.3 | 694.0 | 703.3 | 708.3 | 707.2 | 699.5 | 689.0 | 673.7 | 657.1 | 641.1 | 625.7 |
| 30°   | 709.4 | 716.0 | 718.2 | 714.4 | 705.6 | 692.8 | 679.7 | 662.1 | 640.1 | 620.2 | 602.6 |
| 32.5° | 722.1 | 715.4 | 705.0 | 694.5 | 680.2 | 669.2 | 651.1 | 631.8 | 604.2 | 580.6 | 563.0 |
| 35°   | 722.1 | 695.6 | 669.2 | 647.3 | 625.7 | 612.0 | 591.1 | 565.2 | 539.9 | 520.1 | 506.3 |
| 37.5° | 706.1 | 655.4 | 612.0 | 576.2 | 549.2 | 534.4 | 503.0 | 479.9 | 458.4 | 451.8 | 443.0 |
| 40°   | 676.9 | 602.1 | 539.4 | 492.5 | 458.4 | 436.5 | 405.1 | 389.1 | 380.8 | 377.5 | 375.9 |
| 42.5° | 637.8 | 542.7 | 459.0 | 401.2 | 364.4 | 339.6 | 318.7 | 308.7 | 308.2 | 307.7 | 307.7 |
| 45°   | 596.1 | 478.8 | 380.8 | 312.0 | 279.6 | 257.5 | 247.7 | 243.8 | 247.2 | 246.5 | 247.2 |
| 47.5° | 570.2 | 430.4 | 309.3 | 236.1 | 211.3 | 197.0 | 192.0 | 193.7 | 196.5 | 195.3 | 195.3 |
| 50°   | 566.8 | 405.6 | 261.5 | 183.8 | 165.1 | 157.9 | 156.9 | 156.9 | 158.5 | 157.4 | 156.9 |
| 52.5° | 579.0 | 401.8 | 236.7 | 157.9 | 143.1 | 137.0 | 136.0 | 135.3 | 134.8 | 131.5 | 128.8 |
| 55°   | 599.9 | 410.6 | 229.5 | 151.3 | 136.0 | 129.3 | 127.7 | 126.6 | 124.4 | 120.0 | 115.0 |
| 57.5° | 641.7 | 438.0 | 236.1 | 154.6 | 138.1 | 132.6 | 131.0 | 131.0 | 126.6 | 119.4 | 112.2 |
| 60°   | 742.4 | 508.0 | 263.1 | 167.4 | 148.6 | 143.1 | 144.1 | 143.6 | 137.0 | 126.6 | 115.5 |
| 62.5° | 872.3 | 599.4 | 298.2 | 184.9 | 161.8 | 160.7 | 166.2 | 165.1 | 154.1 | 138.1 | 122.2 |
| 65°   | 932.3 | 642.3 | 308.2 | 188.8 | 164.6 | 169.5 | 180.5 | 179.4 | 165.7 | 143.6 | 123.3 |
| 66°   | 933.4 | 642.3 | 303.8 | 185.5 | 160.7 | 166.7 | 177.7 | 177.2 | 163.4 | 141.5 | 121.0 |
| 67.5° | 910.9 | 624.7 | 291.1 | 178.9 | 153.0 | 157.4 | 167.4 | 166.7 | 154.1 | 136.0 | 116.7 |
| 70°   | 826.1 | 559.2 | 258.7 | 167.4 | 142.6 | 140.3 | 143.6 | 141.5 | 133.2 | 120.5 | 107.4 |
| 72.5° | 707.8 | 469.4 | 225.6 | 158.5 | 135.3 | 126.6 | 124.4 | 122.7 | 116.2 | 109.0 | 100.7 |
| 75°   | 557.5 | 371.5 | 198.1 | 151.9 | 128.8 | 117.2 | 113.4 | 111.2 | 106.7 | 101.9 | 95.2  |
| 77.5° | 343.9 | 265.8 | 172.8 | 143.1 | 123.8 | 112.2 | 109.5 | 106.2 | 99.6  | 93.6  | 88.6  |
| 80°   | 153.6 | 164.6 | 142.0 | 125.0 | 110.6 | 100.2 | 95.8  | 90.8  | 84.2  | 80.3  | 77.6  |
| 82.5° | 102.4 | 106.2 | 102.9 | 93.6  | 83.6  | 75.4  | 68.8  | 68.8  | 67.7  | 64.4  | 63.3  |
| 85°   | 65.5  | 66.0  | 63.8  | 57.8  | 53.9  | 49.0  | 46.2  | 46.7  | 49.0  | 48.4  | 47.9  |
| 87.5° | 14.8  | 14.8  | 17.6  | 16.5  | 19.3  | 20.4  | 22.0  | 23.6  | 26.9  | 26.9  | 28.6  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |
| 2.5°  | 676.9 | 678.0 | 679.2 | 677.5 | 678.0 |
| 5°    | 696.2 | 695.6 | 698.4 | 696.8 | 697.8 |
| 7.5°  | 702.3 | 702.8 | 705.0 | 705.0 | 705.6 |
| 10°   | 702.8 | 703.9 | 706.6 | 708.3 | 709.4 |
| 12.5° | 705.6 | 707.8 | 712.1 | 713.3 | 713.3 |
| 15°   | 707.8 | 708.8 | 711.6 | 712.7 | 713.8 |
| 17.5° | 700.0 | 697.8 | 699.0 | 699.5 | 699.0 |
| 20°   | 680.8 | 678.5 | 678.0 | 675.9 | 676.9 |
| 22.5° | 659.9 | 653.8 | 649.9 | 645.6 | 645.6 |
| 25°   | 634.5 | 625.2 | 617.5 | 609.7 | 611.4 |
| 27.5° | 610.9 | 598.8 | 591.1 | 586.1 | 585.0 |
| 30°   | 587.8 | 575.1 | 568.0 | 561.9 | 561.9 |
| 32.5° | 549.2 | 540.4 | 531.1 | 527.3 | 526.7 |
| 35°   | 495.9 | 490.4 | 482.7 | 481.0 | 478.2 |
| 37.5° | 435.9 | 434.2 | 427.7 | 427.0 | 424.4 |
| 40°   | 373.2 | 374.2 | 372.0 | 371.0 | 369.3 |
| 42.5° | 310.4 | 315.9 | 314.8 | 314.3 | 313.2 |
| 45°   | 250.4 | 254.3 | 254.8 | 256.5 | 259.2 |
| 47.5° | 197.0 | 198.1 | 199.3 | 198.7 | 199.3 |
| 50°   | 154.1 | 151.3 | 150.8 | 149.1 | 150.8 |
| 52.5° | 124.4 | 120.0 | 117.8 | 115.5 | 114.5 |
| 55°   | 109.5 | 105.1 | 102.9 | 101.9 | 100.7 |
| 57.5° | 105.7 | 101.2 | 97.9  | 95.8  | 95.2  |
| 60°   | 106.7 | 100.2 | 95.8  | 93.1  | 92.4  |
| 62.5° | 109.5 | 100.7 | 94.6  | 91.9  | 91.4  |
| 65°   | 109.0 | 99.6  | 94.1  | 90.8  | 90.3  |
| 66°   | 107.4 | 98.5  | 93.1  | 90.3  | 89.7  |
| 67.5° | 104.6 | 96.9  | 91.9  | 89.7  | 88.6  |
| 70°   | 99.6  | 94.6  | 90.8  | 88.1  | 86.9  |
| 72.5° | 95.2  | 91.4  | 88.1  | 85.3  | 84.8  |
| 75°   | 90.3  | 86.9  | 83.6  | 81.5  | 80.9  |
| 77.5° | 84.2  | 80.9  | 78.7  | 77.1  | 76.5  |
| 80°   | 74.3  | 72.1  | 69.8  | 67.7  | 67.7  |
| 82.5° | 61.7  | 60.0  | 57.8  | 56.2  | 55.5  |
| 85°   | 47.4  | 47.4  | 45.7  | 44.0  | 43.5  |
| 87.5° | 28.1  | 27.6  | 27.6  | 25.9  | 25.9  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)