

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: P200339

Luminaire Tested: **GAP-AF-01-LED-U-T2R-7050-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAP-AF-01-LED-U-T2R-7050-600  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4364 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

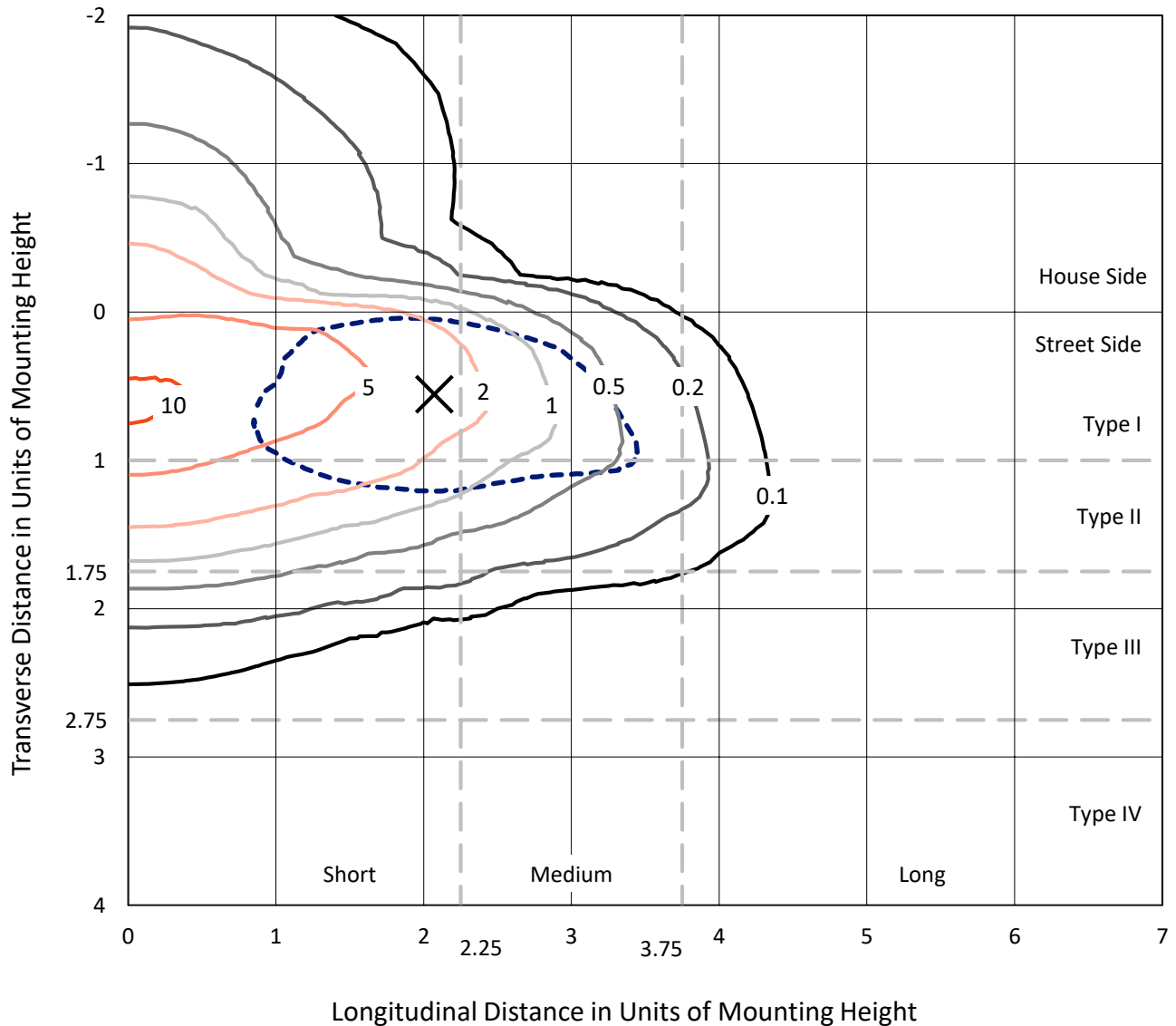
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

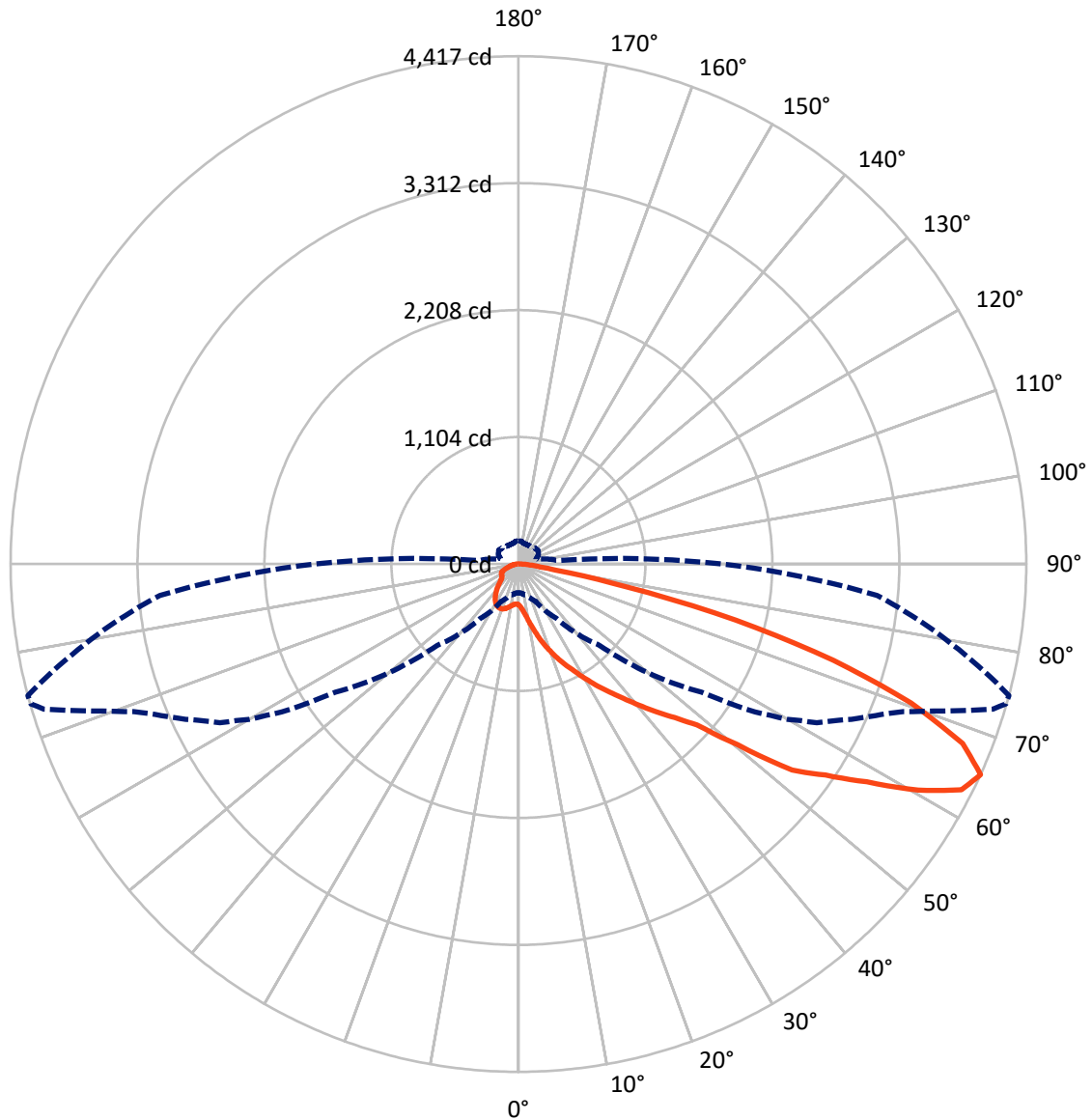
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 672.8    | 0.0    | 672.8  |
|                    | % Fixture | 15.4     | 0.0    | 15.4   |
| <b>Street Side</b> | Lumens    | 3691.2   | 0.0    | 3691.2 |
|                    | % Fixture | 84.6     | 0.0    | 84.6   |
| <b>Total</b>       | Lumens    | 4364.0   | 0.0    | 4364.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.8   | 1.0       |
| 10°-20°   | 171.3  | 3.9       |
| 20°-30°   | 351.4  | 8.1       |
| 30°-40°   | 591.2  | 13.5      |
| 40°-50°   | 816.9  | 18.7      |
| 50°-60°   | 1019.8 | 23.4      |
| 60°-70°   | 917.7  | 21.0      |
| 70°-80°   | 384.7  | 8.8       |
| 80°-90°   | 67.2   | 1.5       |
| 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°    | 4364.0 | 100.0     |
| 0°-180°   | 4364.0 | 100.0     |

**Coefficient of Utilization**



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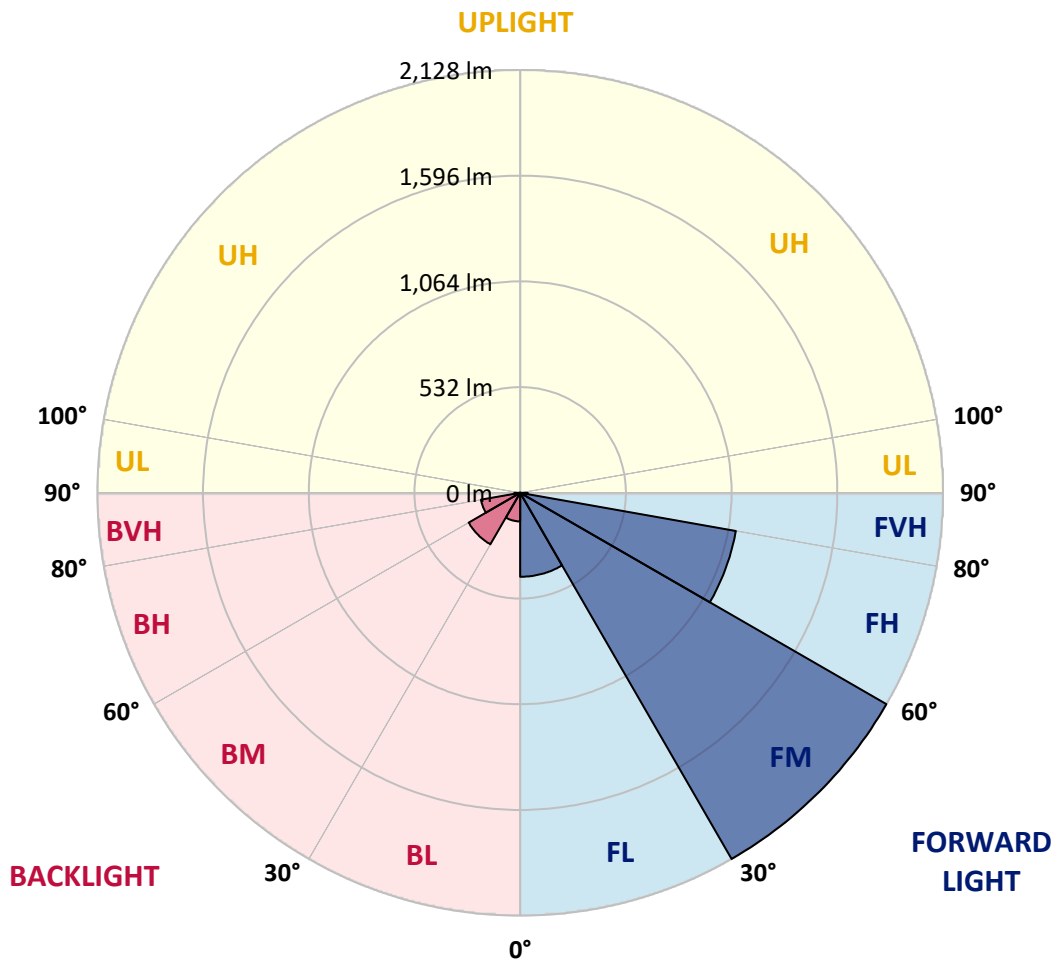
CATALOG NUMBER: GAP-AF-01-LED-U-T2R-7050-600

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 422.6  | 9.7       |                         |      |         |
| FM (30°-60°)   | 2128.4 | 48.8      |                         |      |         |
| FH (60°-80°)   | 1102.3 | 25.3      |                         |      | G1/1800 |
| FVH (80°-90°)  | 37.8   | 0.9       |                         |      | G1/100  |
| BL (0°-30°)    | 143.9  | 3.3       | B1/500                  |      |         |
| BM (30°-60°)   | 299.5  | 6.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 200.0  | 4.6       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 29.4   | 0.7       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  |
| 2.5°  | 450.3  | 445.3  | 446.6  | 438.3  | 428.2  | 415.0  | 400.3  | 400.1  | 400.3  | 398.9  | 393.5  |
| 5°    | 624.4  | 618.4  | 616.2  | 597.6  | 570.3  | 531.5  | 489.3  | 484.8  | 482.9  | 478.2  | 467.2  |
| 7.5°  | 751.5  | 748.1  | 744.6  | 730.6  | 705.8  | 662.4  | 605.8  | 596.1  | 586.8  | 584.6  | 572.2  |
| 10°   | 833.5  | 832.6  | 825.2  | 821.5  | 806.0  | 768.4  | 713.2  | 703.9  | 693.8  | 690.3  | 677.3  |
| 12.5° | 898.3  | 898.1  | 894.6  | 895.6  | 882.2  | 854.9  | 807.4  | 799.0  | 791.5  | 780.8  | 771.5  |
| 15°   | 943.1  | 943.3  | 948.5  | 954.3  | 952.2  | 933.8  | 889.2  | 885.5  | 879.1  | 871.7  | 860.7  |
| 17.5° | 979.9  | 980.9  | 986.3  | 996.8  | 1008.2 | 1006.8 | 971.4  | 968.3  | 962.8  | 952.6  | 946.9  |
| 20°   | 1062.9 | 1066.9 | 1056.5 | 1056.5 | 1057.8 | 1063.4 | 1046.4 | 1043.9 | 1036.1 | 1030.7 | 1026.2 |
| 22.5° | 1203.2 | 1207.7 | 1184.4 | 1160.6 | 1137.3 | 1120.4 | 1103.4 | 1106.5 | 1101.2 | 1097.4 | 1094.8 |
| 25°   | 1385.4 | 1388.9 | 1351.1 | 1311.0 | 1263.5 | 1201.5 | 1159.6 | 1157.8 | 1154.9 | 1152.6 | 1151.3 |
| 27.5° | 1556.8 | 1558.3 | 1522.5 | 1463.9 | 1408.7 | 1319.7 | 1216.6 | 1214.3 | 1210.8 | 1206.5 | 1202.8 |
| 30°   | 1703.5 | 1703.1 | 1666.3 | 1610.3 | 1551.2 | 1452.7 | 1303.2 | 1296.1 | 1285.8 | 1274.0 | 1265.0 |
| 32.5° | 1830.5 | 1829.9 | 1789.6 | 1731.6 | 1669.6 | 1584.5 | 1421.7 | 1407.3 | 1391.2 | 1368.2 | 1354.4 |
| 35°   | 1930.5 | 1930.1 | 1892.1 | 1831.5 | 1760.5 | 1708.6 | 1557.6 | 1539.9 | 1519.4 | 1488.7 | 1467.4 |
| 37.5° | 1968.3 | 1968.3 | 1947.0 | 1905.7 | 1842.9 | 1807.4 | 1708.6 | 1687.2 | 1665.3 | 1630.4 | 1606.4 |
| 40°   | 1946.2 | 1946.6 | 1951.1 | 1943.5 | 1912.9 | 1885.7 | 1849.5 | 1836.7 | 1817.9 | 1786.5 | 1761.5 |
| 42.5° | 1872.0 | 1874.3 | 1904.5 | 1941.4 | 1956.7 | 1952.4 | 1974.5 | 1968.7 | 1955.5 | 1931.3 | 1911.5 |
| 45°   | 1778.0 | 1785.1 | 1818.1 | 1887.9 | 1968.9 | 2010.0 | 2079.2 | 2079.8 | 2077.3 | 2064.3 | 2049.0 |
| 47.5° | 1648.9 | 1658.9 | 1702.4 | 1796.8 | 1940.4 | 2066.0 | 2185.6 | 2191.2 | 2196.3 | 2187.9 | 2180.8 |
| 50°   | 1477.5 | 1489.3 | 1554.5 | 1679.7 | 1882.4 | 2124.0 | 2386.6 | 2411.8 | 2435.3 | 2432.4 | 2437.2 |
| 52.5° | 1293.9 | 1307.7 | 1387.7 | 1527.1 | 1782.6 | 2137.5 | 2515.0 | 2556.1 | 2597.2 | 2630.9 | 2666.7 |
| 55°   | 1128.2 | 1120.8 | 1200.7 | 1347.6 | 1618.6 | 2076.9 | 2630.5 | 2680.1 | 2725.9 | 2767.2 | 2809.8 |
| 57.5° | 903.7  | 915.9  | 996.0  | 1141.2 | 1401.5 | 1906.1 | 2710.0 | 2782.5 | 2848.4 | 2916.8 | 2977.1 |
| 60°   | 660.6  | 672.8  | 759.7  | 907.2  | 1165.8 | 1647.1 | 2649.3 | 2759.2 | 2864.7 | 2969.5 | 3051.3 |
| 62.5° | 398.9  | 408.0  | 484.6  | 625.0  | 898.9  | 1339.9 | 2378.7 | 2522.9 | 2678.2 | 2803.4 | 2928.8 |
| 65°   | 248.3  | 253.4  | 281.7  | 359.0  | 577.3  | 1000.4 | 1943.5 | 2100.7 | 2268.0 | 2426.8 | 2557.2 |
| 67.5° | 203.3  | 205.1  | 210.3  | 226.8  | 317.1  | 652.3  | 1446.5 | 1585.7 | 1736.7 | 1890.4 | 2035.4 |
| 70°   | 182.8  | 181.6  | 181.6  | 182.6  | 203.3  | 350.7  | 947.1  | 1037.7 | 1163.5 | 1297.2 | 1429.8 |
| 72.5° | 165.0  | 163.8  | 161.5  | 158.4  | 165.9  | 214.0  | 489.5  | 557.9  | 648.6  | 767.4  | 894.4  |
| 75°   | 148.3  | 146.7  | 144.0  | 140.0  | 145.2  | 161.5  | 235.1  | 263.8  | 308.0  | 371.2  | 442.0  |
| 77.5° | 131.0  | 128.9  | 126.4  | 123.5  | 130.1  | 125.6  | 137.8  | 148.1  | 165.0  | 185.3  | 211.9  |
| 80°   | 111.3  | 109.5  | 108.6  | 107.2  | 115.1  | 95.6   | 97.3   | 103.7  | 113.6  | 124.6  | 136.9  |
| 82.5° | 87.2   | 87.2   | 90.5   | 91.1   | 99.8   | 68.8   | 72.7   | 78.3   | 83.4   | 89.2   | 95.0   |
| 85°   | 57.4   | 57.8   | 69.0   | 73.3   | 78.7   | 46.3   | 54.5   | 56.4   | 60.5   | 63.8   | 66.3   |
| 87.5° | 18.0   | 19.4   | 42.1   | 46.7   | 45.2   | 26.2   | 33.5   | 34.3   | 37.2   | 39.5   | 41.5   |
| 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):**

|       | 60°    | 61°    | 62°    | 63°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  |
| 2.5°  | 393.5  | 391.0  | 388.7  | 388.5  | 386.9  | 384.6  | 385.4  | 381.9  | 382.1  | 380.3  | 378.2  |
| 5°    | 462.7  | 461.0  | 452.8  | 450.5  | 444.3  | 440.4  | 439.8  | 431.5  | 430.5  | 425.7  | 420.6  |
| 7.5°  | 562.2  | 556.9  | 545.3  | 539.7  | 529.2  | 521.4  | 517.6  | 506.7  | 501.3  | 488.9  | 483.3  |
| 10°   | 666.6  | 659.7  | 645.5  | 637.6  | 627.5  | 614.9  | 608.1  | 592.2  | 586.0  | 574.6  | 561.0  |
| 12.5° | 763.2  | 756.4  | 741.7  | 735.8  | 722.3  | 708.9  | 701.5  | 683.5  | 675.4  | 657.3  | 646.5  |
| 15°   | 852.7  | 845.9  | 833.0  | 826.8  | 813.4  | 802.5  | 792.6  | 774.8  | 765.3  | 748.4  | 734.3  |
| 17.5° | 939.4  | 932.2  | 921.0  | 915.5  | 902.4  | 891.3  | 880.6  | 863.8  | 854.1  | 837.2  | 824.6  |
| 20°   | 1020.0 | 1014.6 | 1006.6 | 999.1  | 986.1  | 976.0  | 963.2  | 948.7  | 934.7  | 922.3  | 910.3  |
| 22.5° | 1090.2 | 1088.1 | 1079.5 | 1076.2 | 1065.0 | 1056.3 | 1045.2 | 1030.9 | 1020.8 | 1005.1 | 994.0  |
| 25°   | 1150.7 | 1150.1 | 1146.0 | 1144.9 | 1137.1 | 1128.8 | 1126.4 | 1114.6 | 1105.3 | 1091.4 | 1079.9 |
| 27.5° | 1202.8 | 1203.4 | 1202.4 | 1205.3 | 1203.2 | 1199.5 | 1199.7 | 1195.8 | 1190.4 | 1178.8 | 1168.7 |
| 30°   | 1260.6 | 1257.3 | 1259.2 | 1263.3 | 1264.5 | 1265.0 | 1271.8 | 1274.0 | 1273.6 | 1266.0 | 1261.0 |
| 32.5° | 1342.4 | 1334.6 | 1327.3 | 1326.7 | 1330.8 | 1332.5 | 1344.1 | 1350.1 | 1355.2 | 1357.1 | 1357.9 |
| 35°   | 1446.7 | 1431.0 | 1415.9 | 1407.9 | 1400.9 | 1402.7 | 1411.0 | 1420.7 | 1432.1 | 1439.9 | 1449.2 |
| 37.5° | 1578.1 | 1558.9 | 1532.2 | 1513.2 | 1508.5 | 1498.2 | 1503.5 | 1511.2 | 1522.3 | 1534.5 | 1550.6 |
| 40°   | 1737.4 | 1708.2 | 1678.3 | 1653.1 | 1639.4 | 1620.4 | 1620.2 | 1618.8 | 1625.6 | 1637.0 | 1659.7 |
| 42.5° | 1890.6 | 1864.8 | 1833.0 | 1806.5 | 1788.8 | 1763.4 | 1758.2 | 1744.8 | 1747.9 | 1757.8 | 1779.9 |
| 45°   | 2034.2 | 2012.9 | 1993.5 | 1962.9 | 1947.8 | 1920.4 | 1911.7 | 1895.8 | 1886.9 | 1891.4 | 1913.5 |
| 47.5° | 2173.2 | 2159.6 | 2139.3 | 2119.5 | 2107.9 | 2083.3 | 2072.2 | 2060.8 | 2049.5 | 2049.0 | 2072.2 |
| 50°   | 2444.2 | 2437.0 | 2413.0 | 2392.3 | 2397.9 | 2367.8 | 2369.6 | 2339.1 | 2352.9 | 2354.5 | 2403.1 |
| 52.5° | 2698.9 | 2724.1 | 2741.8 | 2763.5 | 2777.6 | 2780.3 | 2789.6 | 2803.4 | 2820.1 | 2853.2 | 2898.2 |
| 55°   | 2844.7 | 2876.3 | 2894.7 | 2911.2 | 2938.5 | 2944.3 | 2959.8 | 2978.1 | 2992.8 | 3030.0 | 3068.2 |
| 57.5° | 3018.0 | 3076.7 | 3105.2 | 3131.4 | 3168.2 | 3182.2 | 3208.0 | 3228.1 | 3247.1 | 3291.1 | 3337.3 |
| 60°   | 3124.8 | 3196.3 | 3254.3 | 3295.8 | 3341.9 | 3374.9 | 3414.0 | 3445.4 | 3490.0 | 3542.7 | 3611.7 |
| 62.5° | 3039.9 | 3144.8 | 3221.9 | 3293.1 | 3355.7 | 3418.9 | 3474.9 | 3533.6 | 3601.3 | 3681.1 | 3788.0 |
| 65°   | 2701.8 | 2808.6 | 2940.5 | 3014.5 | 3097.3 | 3194.8 | 3279.9 | 3374.9 | 3467.3 | 3583.4 | 3741.6 |
| 67.5° | 2175.0 | 2299.2 | 2447.5 | 2522.1 | 2617.3 | 2726.1 | 2821.6 | 2937.7 | 3045.5 | 3186.1 | 3381.8 |
| 70°   | 1567.8 | 1728.3 | 1853.0 | 1930.9 | 2042.0 | 2154.2 | 2246.3 | 2381.4 | 2470.6 | 2614.8 | 2817.0 |
| 72.5° | 992.7  | 1119.3 | 1272.2 | 1370.3 | 1469.0 | 1582.6 | 1676.8 | 1793.3 | 1876.6 | 2007.9 | 2191.2 |
| 75°   | 533.7  | 627.1  | 761.4  | 854.5  | 960.3  | 1057.4 | 1167.7 | 1245.7 | 1307.3 | 1411.2 | 1559.9 |
| 77.5° | 250.1  | 306.9  | 374.9  | 446.6  | 518.3  | 593.0  | 665.7  | 728.9  | 755.4  | 814.9  | 902.7  |
| 80°   | 151.8  | 170.2  | 190.0  | 212.1  | 242.1  | 266.3  | 298.3  | 321.4  | 323.1  | 341.9  | 368.7  |
| 82.5° | 101.4  | 108.2  | 114.2  | 119.8  | 127.4  | 133.4  | 140.3  | 148.3  | 151.6  | 156.0  | 164.6  |
| 85°   | 69.2   | 72.5   | 73.7   | 77.3   | 76.4   | 78.5   | 81.2   | 83.9   | 85.3   | 85.1   | 89.0   |
| 87.5° | 42.6   | 44.2   | 45.0   | 45.9   | 45.2   | 44.4   | 45.6   | 47.1   | 47.5   | 46.3   | 46.7   |
| 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):**

|       | 71°    | 72°    | 73°    | 74°    | 75°    | 85°    | 90°    | 95°   | 105°  | 115°  | 125°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7  | 354.7 | 354.7 | 354.7 | 354.7 |
| 2.5°  | 378.6  | 376.8  | 374.9  | 373.7  | 373.2  | 362.3  | 357.6  | 354.5 | 347.8 | 342.5 | 338.1 |
| 5°    | 417.7  | 413.7  | 410.6  | 406.9  | 404.9  | 377.2  | 367.1  | 360.0 | 348.5 | 341.6 | 335.4 |
| 7.5°  | 480.5  | 469.5  | 463.1  | 455.9  | 449.7  | 399.7  | 383.0  | 372.0 | 355.9 | 346.8 | 339.8 |
| 10°   | 551.7  | 540.4  | 530.2  | 519.1  | 509.4  | 429.6  | 405.3  | 388.3 | 367.1 | 355.3 | 346.0 |
| 12.5° | 631.2  | 620.1  | 607.3  | 593.0  | 580.6  | 467.6  | 433.8  | 409.6 | 380.5 | 364.8 | 351.8 |
| 15°   | 725.2  | 705.6  | 690.1  | 673.6  | 659.1  | 513.1  | 467.0  | 433.6 | 394.7 | 373.5 | 356.1 |
| 17.5° | 812.6  | 791.9  | 770.9  | 756.4  | 739.7  | 564.1  | 500.5  | 457.9 | 406.5 | 379.0 | 356.9 |
| 20°   | 897.9  | 875.4  | 857.2  | 837.8  | 820.2  | 617.0  | 536.2  | 479.4 | 414.1 | 379.2 | 351.8 |
| 22.5° | 973.1  | 959.0  | 938.8  | 917.7  | 900.0  | 669.9  | 569.7  | 497.6 | 417.0 | 374.5 | 342.7 |
| 25°   | 1058.6 | 1043.7 | 1018.9 | 1001.2 | 981.4  | 723.8  | 602.5  | 511.6 | 415.4 | 365.6 | 328.6 |
| 27.5° | 1149.9 | 1133.4 | 1108.0 | 1089.4 | 1065.4 | 779.8  | 632.7  | 521.8 | 409.2 | 351.1 | 309.8 |
| 30°   | 1245.1 | 1230.0 | 1205.1 | 1186.3 | 1162.1 | 839.0  | 666.4  | 528.6 | 396.8 | 331.1 | 287.9 |
| 32.5° | 1347.4 | 1334.8 | 1310.0 | 1290.4 | 1264.5 | 903.3  | 697.7  | 530.6 | 378.0 | 307.4 | 264.8 |
| 35°   | 1444.5 | 1435.8 | 1414.9 | 1396.5 | 1369.7 | 964.0  | 731.0  | 529.6 | 355.7 | 281.3 | 243.7 |
| 37.5° | 1553.7 | 1548.6 | 1538.2 | 1514.9 | 1482.0 | 1046.4 | 770.9  | 525.3 | 328.4 | 255.5 | 227.6 |
| 40°   | 1670.2 | 1670.6 | 1659.5 | 1643.6 | 1613.0 | 1146.4 | 818.4  | 516.8 | 298.7 | 232.8 | 213.0 |
| 42.5° | 1793.5 | 1799.9 | 1794.6 | 1783.2 | 1753.9 | 1247.2 | 875.2  | 506.5 | 269.8 | 210.7 | 198.5 |
| 45°   | 1934.8 | 1942.7 | 1950.9 | 1934.2 | 1905.7 | 1380.2 | 950.0  | 493.1 | 238.6 | 192.3 | 188.6 |
| 47.5° | 2097.8 | 2110.2 | 2117.6 | 2117.8 | 2089.3 | 1545.0 | 1071.4 | 485.0 | 210.9 | 179.9 | 183.8 |
| 50°   | 2441.7 | 2445.6 | 2463.2 | 2493.8 | 2471.9 | 1926.6 | 1283.5 | 480.0 | 192.1 | 172.3 | 180.3 |
| 52.5° | 2937.2 | 2980.4 | 3010.8 | 3008.7 | 2979.0 | 2168.8 | 1400.5 | 454.4 | 180.9 | 169.4 | 178.7 |
| 55°   | 3139.0 | 3193.0 | 3249.1 | 3264.0 | 3240.9 | 2375.6 | 1511.0 | 428.8 | 175.6 | 171.4 | 179.3 |
| 57.5° | 3408.0 | 3498.9 | 3575.9 | 3608.3 | 3574.9 | 2640.2 | 1656.4 | 415.4 | 173.9 | 177.0 | 183.2 |
| 60°   | 3722.2 | 3834.5 | 3935.7 | 3994.0 | 3994.0 | 2944.3 | 1807.2 | 409.8 | 171.6 | 185.3 | 189.8 |
| 62.5° | 3924.0 | 4089.0 | 4241.9 | 4327.2 | 4324.7 | 3156.0 | 1874.1 | 390.8 | 166.5 | 191.1 | 198.9 |
| 65°   | 3924.8 | 4121.0 | 4315.8 | 4411.6 | 4416.6 | 3130.0 | 1763.6 | 345.2 | 157.0 | 191.9 | 208.0 |
| 67.5° | 3597.6 | 3806.8 | 4033.9 | 4141.1 | 4165.8 | 2881.3 | 1526.7 | 283.8 | 141.5 | 183.6 | 211.3 |
| 70°   | 3038.5 | 3242.7 | 3474.5 | 3579.8 | 3623.8 | 2456.2 | 1229.6 | 218.7 | 121.7 | 165.5 | 204.5 |
| 72.5° | 2393.8 | 2594.2 | 2755.5 | 2832.5 | 2866.8 | 1877.4 | 895.4  | 165.2 | 99.8  | 139.4 | 186.1 |
| 75°   | 1694.8 | 1845.2 | 1930.9 | 1948.0 | 1953.4 | 1131.7 | 544.1  | 122.9 | 82.2  | 108.4 | 157.2 |
| 77.5° | 956.6  | 1021.0 | 1014.0 | 1021.6 | 958.0  | 436.9  | 236.9  | 88.0  | 67.8  | 82.4  | 121.9 |
| 80°   | 373.5  | 385.0  | 361.7  | 354.5  | 325.1  | 162.6  | 104.5  | 61.3  | 54.1  | 62.4  | 85.3  |
| 82.5° | 164.6  | 170.0  | 165.0  | 166.3  | 159.0  | 83.9   | 62.6   | 44.4  | 41.3  | 45.6  | 56.6  |
| 85°   | 90.7   | 92.3   | 91.9   | 94.6   | 90.7   | 33.5   | 29.7   | 27.3  | 28.9  | 31.0  | 36.4  |
| 87.5° | 44.2   | 44.6   | 43.2   | 45.4   | 44.0   | 16.9   | 14.7   | 15.5  | 16.9  | 17.4  | 17.4  |
| 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):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 354.7 | 354.7 | 354.7 | 354.7 | 354.7 | 354.7 |
| 2.5°  | 335.0 | 333.4 | 333.6 | 333.2 | 332.4 | 332.4 |
| 5°    | 332.1 | 330.5 | 330.5 | 330.1 | 329.0 | 329.3 |
| 7.5°  | 335.0 | 332.4 | 331.3 | 329.9 | 328.4 | 328.4 |
| 10°   | 338.3 | 333.6 | 330.7 | 328.2 | 326.4 | 326.4 |
| 12.5° | 340.8 | 333.4 | 328.6 | 325.3 | 323.5 | 323.5 |
| 15°   | 341.6 | 331.9 | 325.3 | 321.4 | 319.8 | 319.5 |
| 17.5° | 339.0 | 326.4 | 318.3 | 313.8 | 311.7 | 311.1 |
| 20°   | 330.7 | 316.2 | 306.5 | 301.4 | 298.5 | 297.4 |
| 22.5° | 318.3 | 301.8 | 290.4 | 285.0 | 281.3 | 280.7 |
| 25°   | 301.0 | 283.2 | 272.0 | 266.9 | 264.8 | 264.2 |
| 27.5° | 280.7 | 264.2 | 254.7 | 251.4 | 249.5 | 249.3 |
| 30°   | 261.5 | 247.5 | 240.4 | 238.0 | 235.7 | 235.3 |
| 32.5° | 243.5 | 234.6 | 232.0 | 228.5 | 223.1 | 222.5 |
| 35°   | 230.7 | 229.9 | 228.0 | 220.2 | 213.6 | 211.7 |
| 37.5° | 222.9 | 230.5 | 221.0 | 205.5 | 200.8 | 200.4 |
| 40°   | 218.3 | 224.1 | 207.8 | 202.4 | 202.8 | 202.4 |
| 42.5° | 208.0 | 214.0 | 208.2 | 205.7 | 207.4 | 207.8 |
| 45°   | 197.7 | 204.3 | 211.3 | 209.7 | 213.6 | 213.6 |
| 47.5° | 191.9 | 201.8 | 211.1 | 211.1 | 216.9 | 219.0 |
| 50°   | 185.3 | 199.7 | 207.8 | 210.7 | 215.2 | 213.6 |
| 52.5° | 184.9 | 196.2 | 203.0 | 208.2 | 210.3 | 208.4 |
| 55°   | 185.5 | 193.3 | 198.3 | 204.1 | 206.6 | 206.8 |
| 57.5° | 186.3 | 191.7 | 195.0 | 197.7 | 205.1 | 205.1 |
| 60°   | 188.4 | 190.2 | 192.1 | 193.5 | 203.3 | 203.5 |
| 62.5° | 191.7 | 188.8 | 188.4 | 189.8 | 202.2 | 201.4 |
| 65°   | 196.8 | 186.7 | 183.6 | 185.1 | 201.2 | 198.7 |
| 67.5° | 203.9 | 183.6 | 177.6 | 178.7 | 200.4 | 195.0 |
| 70°   | 210.3 | 178.7 | 170.2 | 169.2 | 192.5 | 183.0 |
| 72.5° | 210.9 | 172.9 | 159.9 | 156.8 | 167.3 | 158.2 |
| 75°   | 200.6 | 169.0 | 148.5 | 139.4 | 138.2 | 136.9 |
| 77.5° | 180.7 | 166.7 | 135.3 | 121.0 | 118.6 | 119.4 |
| 80°   | 151.2 | 158.2 | 119.4 | 102.5 | 115.9 | 114.4 |
| 82.5° | 113.0 | 139.6 | 101.4 | 90.7  | 90.5  | 79.9  |
| 85°   | 62.8  | 108.9 | 82.6  | 68.0  | 47.3  | 45.9  |
| 87.5° | 17.6  | 60.5  | 57.8  | 38.4  | 26.2  | 27.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)