

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: P195313

Luminaire Tested: **NVN-AF-01-LED-U-T2R-7060-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P195313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24459)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-AF-01-LED-U-T2R-7060-600  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 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: 4218 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-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

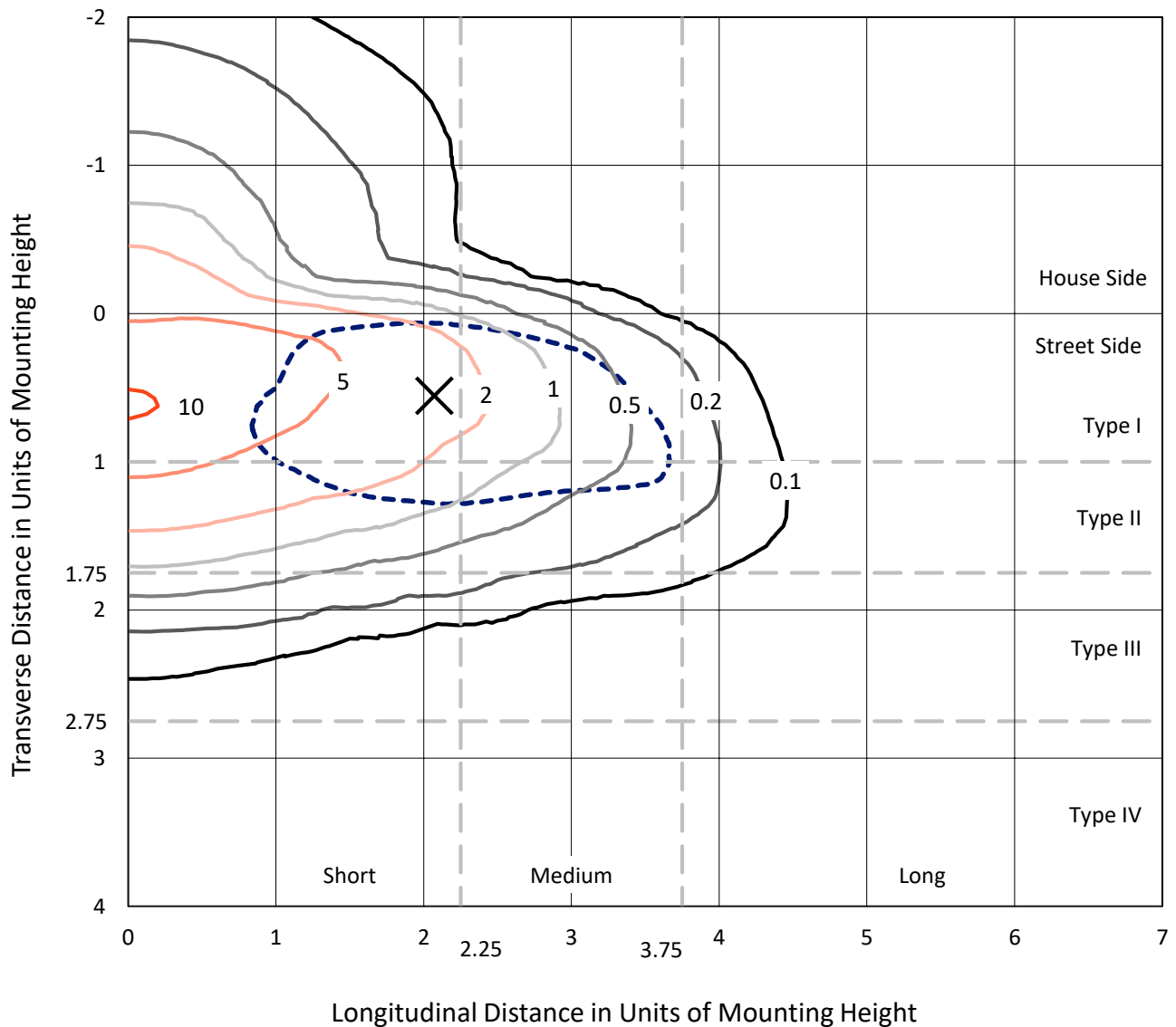


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### Iso-Footcandle Lines of Horizontal Illumination

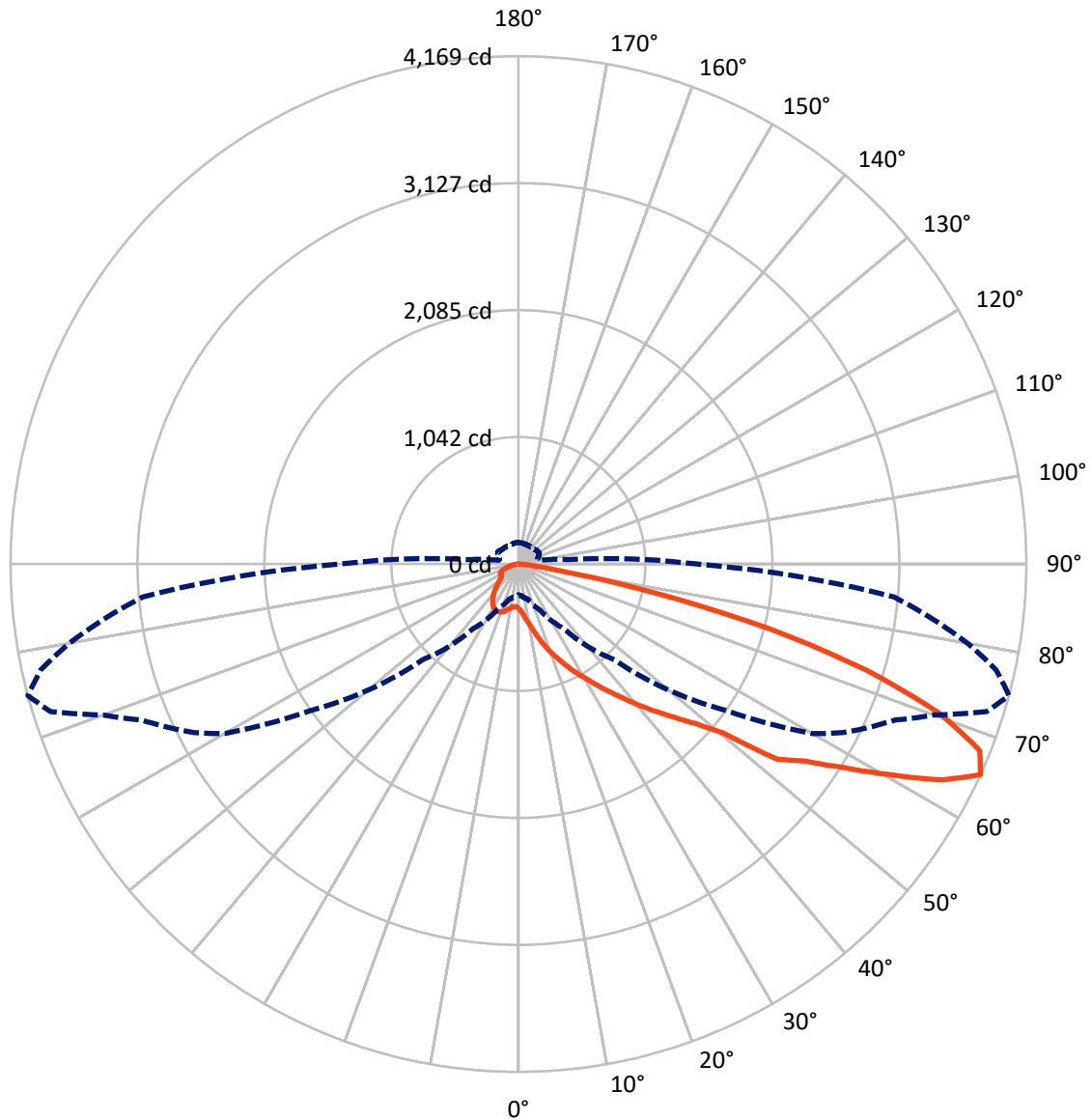
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type II - Short - Semi-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    | 633.8    | 0.0    | 633.8  |
|                    | % Fixture | 15.0     | 0.0    | 15.0   |
| <b>Street Side</b> | Lumens    | 3584.2   | 0.0    | 3584.2 |
|                    | % Fixture | 85.0     | 0.0    | 85.0   |
| <b>Total</b>       | Lumens    | 4218.0   | 0.0    | 4218.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.1   | 1.0       |
| 10°-20°   | 164.8  | 3.9       |
| 20°-30°   | 332.6  | 7.9       |
| 30°-40°   | 564.8  | 13.4      |
| 40°-50°   | 787.8  | 18.7      |
| 50°-60°   | 965.5  | 22.9      |
| 60°-70°   | 908.4  | 21.5      |
| 70°-80°   | 398.3  | 9.4       |
| 80°-90°   | 52.7   | 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°    | 4218.0 | 100.0     |
| 0°-180°   | 4218.0 | 100.0     |

**Coefficient of Utilization**



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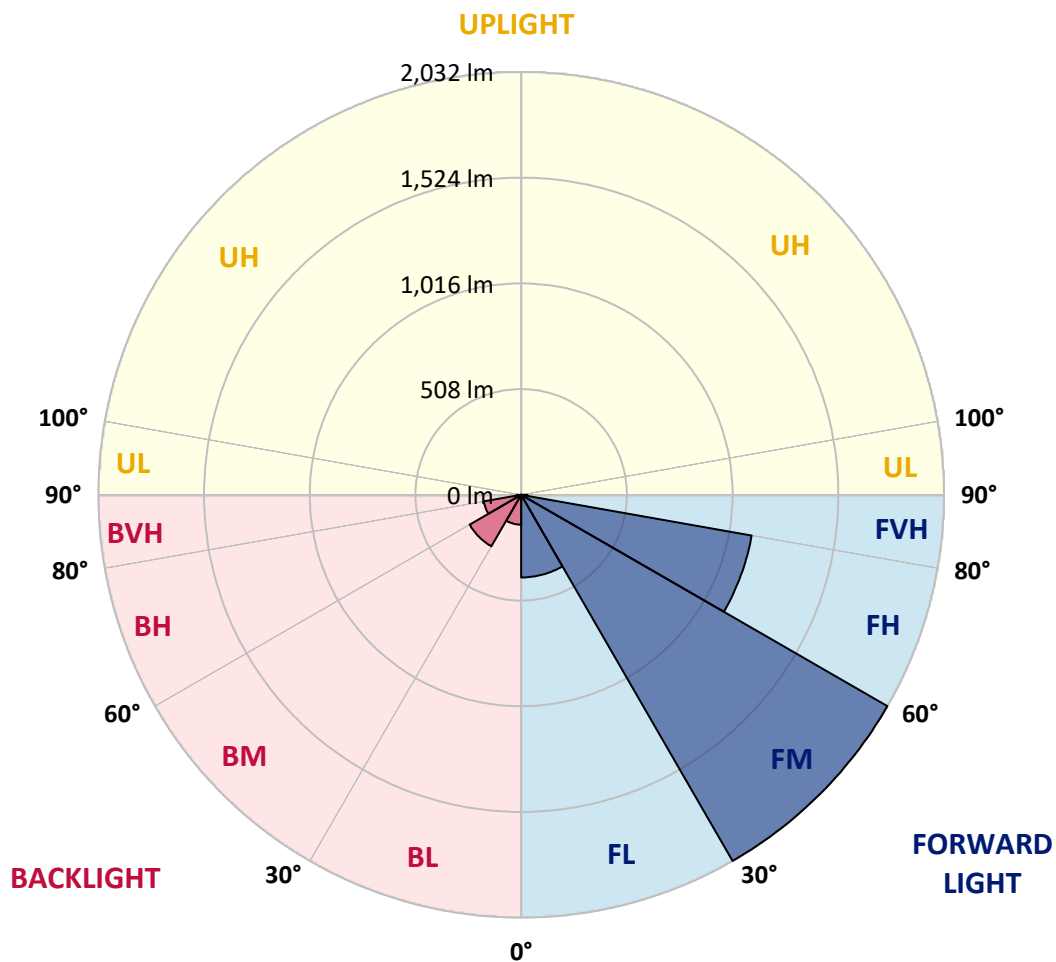
CATALOG NUMBER: NVN-AF-01-LED-U-T2R-7060-600

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 397.0  | 9.4       |                         |      |         |
| FM   | (30°-60°)   | 2032.0 | 48.2      |                         |      |         |
| FH   | (60°-80°)   | 1124.6 | 26.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 30.6   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 143.5  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 286.0  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 182.2  | 4.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 22.2   | 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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 57.5°  | 60°    | 62.5°  | 65°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  |
| 2.5°  | 460.2  | 454.8  | 455.4  | 447.8  | 436.8  | 424.8  | 414.8  | 409.5  | 404.9  | 403.6  | 396.1  |
| 5°    | 601.9  | 595.2  | 592.7  | 575.6  | 549.8  | 519.2  | 488.9  | 477.1  | 467.4  | 461.5  | 447.0  |
| 7.5°  | 717.8  | 714.3  | 711.1  | 695.2  | 669.7  | 630.6  | 581.7  | 564.3  | 548.2  | 530.5  | 513.0  |
| 10°   | 796.7  | 795.3  | 794.0  | 783.0  | 761.8  | 727.7  | 675.1  | 656.1  | 635.9  | 613.4  | 590.6  |
| 12.5° | 856.2  | 856.2  | 857.3  | 848.2  | 835.3  | 809.0  | 761.2  | 743.5  | 723.1  | 699.5  | 673.5  |
| 15°   | 896.2  | 897.3  | 902.9  | 905.6  | 898.9  | 882.0  | 840.1  | 824.6  | 805.3  | 781.9  | 756.2  |
| 17.5° | 922.8  | 924.9  | 933.2  | 942.1  | 950.7  | 944.8  | 913.7  | 899.2  | 881.7  | 860.3  | 836.1  |
| 20°   | 984.5  | 981.8  | 982.1  | 979.4  | 992.0  | 996.6  | 979.4  | 967.3  | 953.4  | 933.8  | 911.8  |
| 22.5° | 1114.1 | 1109.0 | 1095.9 | 1062.3 | 1047.0 | 1045.4 | 1035.2 | 1028.8 | 1018.0 | 1005.7 | 983.7  |
| 25°   | 1283.1 | 1277.2 | 1251.2 | 1195.9 | 1150.3 | 1108.2 | 1089.4 | 1085.4 | 1078.4 | 1070.1 | 1054.3 |
| 27.5° | 1457.8 | 1451.4 | 1417.8 | 1348.1 | 1288.5 | 1203.5 | 1145.0 | 1139.6 | 1133.2 | 1129.7 | 1122.2 |
| 30°   | 1611.6 | 1604.6 | 1571.6 | 1500.8 | 1428.9 | 1327.4 | 1219.8 | 1201.0 | 1190.0 | 1191.1 | 1186.8 |
| 32.5° | 1746.6 | 1740.4 | 1703.4 | 1631.2 | 1558.2 | 1459.7 | 1317.0 | 1287.7 | 1263.0 | 1253.9 | 1257.1 |
| 35°   | 1859.8 | 1854.2 | 1813.6 | 1740.9 | 1667.4 | 1585.6 | 1442.0 | 1398.0 | 1357.7 | 1332.5 | 1329.6 |
| 37.5° | 1926.3 | 1923.1 | 1894.7 | 1833.0 | 1760.0 | 1699.9 | 1582.1 | 1533.2 | 1473.9 | 1437.2 | 1421.1 |
| 40°   | 1922.6 | 1926.1 | 1921.2 | 1893.3 | 1836.7 | 1793.0 | 1728.0 | 1679.7 | 1621.8 | 1567.0 | 1534.3 |
| 42.5° | 1867.8 | 1872.7 | 1894.4 | 1908.9 | 1893.6 | 1867.0 | 1855.5 | 1819.5 | 1767.5 | 1709.5 | 1664.2 |
| 45°   | 1792.7 | 1797.0 | 1825.2 | 1877.5 | 1921.2 | 1928.7 | 1967.1 | 1949.1 | 1905.1 | 1855.8 | 1805.9 |
| 47.5° | 1677.6 | 1685.9 | 1718.6 | 1801.8 | 1905.9 | 1978.4 | 2060.8 | 2069.1 | 2043.6 | 2002.8 | 1956.1 |
| 50°   | 1511.0 | 1522.0 | 1567.8 | 1686.2 | 1848.0 | 2029.4 | 2200.0 | 2231.7 | 2221.5 | 2180.2 | 2132.9 |
| 52.5° | 1340.3 | 1351.3 | 1412.5 | 1538.3 | 1754.6 | 2050.3 | 2337.1 | 2418.2 | 2476.7 | 2519.3 | 2527.7 |
| 55°   | 1162.7 | 1175.0 | 1242.1 | 1387.0 | 1630.1 | 2023.7 | 2435.1 | 2527.1 | 2586.4 | 2631.0 | 2648.9 |
| 57.5° | 962.2  | 976.2  | 1041.1 | 1187.6 | 1454.1 | 1916.9 | 2544.0 | 2674.4 | 2762.7 | 2831.4 | 2870.0 |
| 60°   | 732.3  | 749.7  | 817.1  | 964.6  | 1222.8 | 1712.5 | 2592.6 | 2785.5 | 2925.9 | 3028.9 | 3090.1 |
| 62.5° | 464.2  | 481.9  | 552.0  | 705.2  | 959.5  | 1433.1 | 2455.2 | 2736.7 | 2976.0 | 3128.4 | 3240.6 |
| 65°   | 253.3  | 261.1  | 300.0  | 415.4  | 646.9  | 1112.0 | 2106.9 | 2438.8 | 2783.6 | 2999.6 | 3171.9 |
| 67.5° | 190.0  | 191.1  | 195.1  | 223.2  | 344.5  | 750.8  | 1647.3 | 1951.3 | 2334.2 | 2612.2 | 2818.0 |
| 70°   | 166.4  | 166.4  | 166.9  | 167.2  | 187.0  | 406.8  | 1116.0 | 1395.8 | 1746.8 | 2028.0 | 2283.7 |
| 72.5° | 149.2  | 147.6  | 147.0  | 143.8  | 146.5  | 208.5  | 607.5  | 858.9  | 1154.9 | 1470.4 | 1709.0 |
| 75°   | 128.8  | 128.5  | 128.5  | 125.3  | 126.9  | 146.8  | 263.5  | 412.2  | 641.6  | 935.4  | 1170.2 |
| 77.5° | 111.4  | 109.5  | 109.7  | 107.9  | 113.0  | 112.4  | 125.0  | 169.9  | 279.3  | 491.3  | 686.1  |
| 80°   | 91.8   | 90.4   | 91.2   | 90.2   | 98.2   | 83.2   | 84.3   | 103.8  | 138.7  | 215.5  | 303.7  |
| 82.5° | 67.9   | 68.4   | 73.5   | 73.0   | 82.6   | 56.1   | 61.7   | 77.5   | 93.4   | 107.3  | 116.7  |
| 85°   | 39.7   | 40.5   | 52.9   | 55.5   | 60.6   | 29.5   | 37.8   | 46.2   | 52.1   | 57.7   | 60.1   |
| 87.5° | 4.3    | 5.6    | 29.5   | 30.3   | 27.1   | 8.9    | 15.3   | 19.3   | 20.7   | 22.0   | 19.3   |
| 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):**

|       | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    | 85°    | 90°    | 95°   | 100°  | 102.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 0°    | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5  | 365.5 | 365.5 | 365.5  |
| 2.5°  | 393.6  | 390.2  | 386.4  | 384.2  | 380.5  | 377.3  | 371.4  | 366.5  | 361.2 | 357.4 | 355.8  |
| 5°    | 439.8  | 431.5  | 422.6  | 416.2  | 408.1  | 401.2  | 387.7  | 371.6  | 366.5 | 355.8 | 353.1  |
| 7.5°  | 499.9  | 484.9  | 469.8  | 457.5  | 443.5  | 432.0  | 409.5  | 380.5  | 376.7 | 359.6 | 355.8  |
| 10°   | 570.5  | 548.5  | 526.2  | 507.1  | 486.7  | 469.0  | 435.8  | 395.0  | 391.0 | 369.0 | 365.2  |
| 12.5° | 649.4  | 622.5  | 593.8  | 565.4  | 541.2  | 516.3  | 470.9  | 417.5  | 411.1 | 385.1 | 380.0  |
| 15°   | 730.7  | 701.7  | 668.4  | 634.1  | 604.3  | 571.3  | 514.1  | 447.0  | 435.2 | 404.6 | 397.7  |
| 17.5° | 810.9  | 779.5  | 744.6  | 706.2  | 671.4  | 631.9  | 560.8  | 480.0  | 459.6 | 424.0 | 415.1  |
| 20°   | 888.4  | 856.5  | 819.7  | 782.2  | 738.7  | 693.6  | 608.6  | 512.5  | 481.4 | 440.1 | 428.5  |
| 22.5° | 959.0  | 931.6  | 894.9  | 851.7  | 807.7  | 757.0  | 657.1  | 545.0  | 500.4 | 452.4 | 437.6  |
| 25°   | 1033.3 | 1008.4 | 971.9  | 930.3  | 879.0  | 822.7  | 707.3  | 575.8  | 515.7 | 459.1 | 440.9  |
| 27.5° | 1108.5 | 1087.0 | 1052.7 | 1008.9 | 953.9  | 891.4  | 758.3  | 604.3  | 528.1 | 461.3 | 439.3  |
| 30°   | 1188.7 | 1172.1 | 1140.4 | 1091.6 | 1036.0 | 966.8  | 813.8  | 632.2  | 535.9 | 458.3 | 432.0  |
| 32.5° | 1264.6 | 1264.1 | 1235.9 | 1185.2 | 1125.4 | 1049.2 | 872.3  | 660.4  | 539.9 | 450.0 | 419.4  |
| 35°   | 1343.5 | 1354.5 | 1333.3 | 1285.0 | 1222.0 | 1137.4 | 937.0  | 690.4  | 540.1 | 435.2 | 403.0  |
| 37.5° | 1433.1 | 1452.7 | 1443.3 | 1397.5 | 1331.2 | 1238.1 | 1012.9 | 724.2  | 538.5 | 414.8 | 379.1  |
| 40°   | 1535.1 | 1561.9 | 1561.7 | 1523.0 | 1452.2 | 1350.8 | 1101.2 | 762.1  | 534.8 | 389.3 | 351.0  |
| 42.5° | 1651.8 | 1683.8 | 1692.6 | 1654.5 | 1582.9 | 1473.9 | 1202.4 | 803.6  | 528.9 | 364.1 | 321.2  |
| 45°   | 1785.5 | 1813.6 | 1830.3 | 1794.9 | 1722.9 | 1608.1 | 1318.6 | 850.9  | 521.6 | 331.7 | 287.1  |
| 47.5° | 1928.5 | 1961.2 | 1986.2 | 1955.8 | 1879.1 | 1761.0 | 1456.2 | 911.8  | 518.9 | 294.6 | 250.4  |
| 50°   | 2105.8 | 2139.7 | 2193.6 | 2179.9 | 2137.8 | 2042.8 | 1747.4 | 1055.6 | 520.0 | 259.5 | 219.5  |
| 52.5° | 2545.9 | 2623.5 | 2691.6 | 2661.3 | 2561.2 | 2398.3 | 1984.0 | 1135.6 | 497.5 | 230.8 | 198.0  |
| 55°   | 2678.7 | 2766.7 | 2867.4 | 2854.8 | 2758.7 | 2594.5 | 2171.0 | 1202.4 | 475.7 | 209.8 | 184.1  |
| 57.5° | 2911.1 | 3014.9 | 3155.5 | 3152.9 | 3035.1 | 2850.2 | 2411.7 | 1282.3 | 466.4 | 197.8 | 177.1  |
| 60°   | 3157.2 | 3289.4 | 3483.7 | 3514.0 | 3386.0 | 3193.6 | 2696.2 | 1380.6 | 467.7 | 191.1 | 173.1  |
| 62.5° | 3336.9 | 3530.9 | 3813.5 | 3904.2 | 3753.4 | 3541.4 | 2991.3 | 1478.8 | 459.6 | 183.3 | 168.2  |
| 65°   | 3347.9 | 3627.3 | 4028.2 | 4169.3 | 4016.6 | 3744.3 | 3095.4 | 1459.4 | 411.3 | 172.8 | 160.5  |
| 67.5° | 3079.6 | 3443.5 | 3930.5 | 4085.3 | 3929.1 | 3619.2 | 2913.0 | 1275.9 | 334.3 | 154.6 | 147.0  |
| 70°   | 2565.0 | 2987.3 | 3492.8 | 3665.4 | 3536.3 | 3222.6 | 2535.2 | 1019.1 | 249.8 | 130.4 | 126.9  |
| 72.5° | 1982.1 | 2376.1 | 2835.2 | 2994.8 | 2896.1 | 2620.2 | 1999.6 | 742.7  | 178.4 | 105.7 | 103.0  |
| 75°   | 1417.0 | 1752.5 | 2085.7 | 2146.6 | 2049.2 | 1795.9 | 1297.4 | 463.9  | 125.0 | 86.7  | 82.9   |
| 77.5° | 877.4  | 1095.6 | 1215.3 | 1136.9 | 1012.7 | 841.7  | 528.1  | 229.2  | 83.2  | 70.6  | 66.8   |
| 80°   | 389.3  | 457.0  | 426.6  | 380.2  | 300.3  | 246.9  | 161.3  | 101.7  | 53.7  | 54.5  | 52.3   |
| 82.5° | 130.9  | 138.5  | 134.7  | 133.9  | 120.7  | 105.7  | 68.4   | 44.0   | 30.1  | 34.9  | 34.1   |
| 85°   | 63.9   | 66.8   | 67.1   | 69.5   | 60.4   | 47.0   | 18.5   | 17.4   | 12.9  | 18.8  | 19.6   |
| 87.5° | 19.3   | 19.6   | 17.7   | 19.3   | 15.6   | 10.7   | 3.5    | 4.8    | 2.4   | 4.6   | 4.6    |
| 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):**

|       | 105°  | 107.5° | 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  |
|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 365.5 | 365.5  | 365.5 | 365.5  | 365.5 | 365.5  | 365.5 | 365.5  | 365.5 | 365.5  | 365.5 |
| 2.5°  | 352.9 | 351.8  | 349.9 | 347.8  | 347.2 | 344.5  | 343.7 | 342.4  | 341.6 | 340.2  | 339.2 |
| 5°    | 349.6 | 347.8  | 345.6 | 343.2  | 343.2 | 339.4  | 337.8 | 336.2  | 336.2 | 333.8  | 332.7 |
| 7.5°  | 352.9 | 350.4  | 348.0 | 345.9  | 346.7 | 342.4  | 340.8 | 339.2  | 338.9 | 336.5  | 335.4 |
| 10°   | 362.0 | 359.6  | 356.6 | 354.5  | 353.7 | 350.2  | 348.3 | 345.9  | 344.3 | 342.7  | 341.0 |
| 12.5° | 375.9 | 372.7  | 369.0 | 364.4  | 362.5 | 359.6  | 356.6 | 353.4  | 349.6 | 348.0  | 345.6 |
| 15°   | 392.6 | 387.2  | 382.1 | 376.5  | 371.4 | 368.4  | 364.4 | 359.3  | 354.2 | 352.0  | 348.8 |
| 17.5° | 406.2 | 400.6  | 393.4 | 386.7  | 377.5 | 375.1  | 369.5 | 363.3  | 355.0 | 354.2  | 349.4 |
| 20°   | 417.8 | 409.2  | 400.3 | 392.3  | 378.3 | 377.0  | 370.0 | 362.8  | 351.0 | 351.0  | 345.1 |
| 22.5° | 424.2 | 412.4  | 402.0 | 391.2  | 373.8 | 372.7  | 364.7 | 356.1  | 341.6 | 342.1  | 334.9 |
| 25°   | 425.3 | 411.1  | 397.9 | 385.1  | 364.9 | 363.0  | 352.9 | 343.5  | 327.6 | 326.6  | 319.0 |
| 27.5° | 421.0 | 404.4  | 389.1 | 373.5  | 351.8 | 347.8  | 336.5 | 325.2  | 309.7 | 307.0  | 298.9 |
| 30°   | 411.1 | 391.5  | 374.3 | 356.3  | 333.5 | 327.1  | 315.3 | 303.7  | 287.9 | 284.4  | 276.9 |
| 32.5° | 395.2 | 373.0  | 353.9 | 335.9  | 310.7 | 302.7  | 290.9 | 279.3  | 264.0 | 261.4  | 254.4 |
| 35°   | 374.3 | 349.4  | 329.2 | 310.2  | 285.0 | 276.6  | 265.4 | 255.2  | 241.2 | 240.2  | 235.3 |
| 37.5° | 348.0 | 322.0  | 300.5 | 282.3  | 258.4 | 254.1  | 242.6 | 235.1  | 223.5 | 224.6  | 222.2 |
| 40°   | 318.2 | 291.7  | 271.3 | 255.2  | 234.5 | 230.8  | 223.8 | 218.2  | 208.2 | 211.2  | 211.4 |
| 42.5° | 288.2 | 261.6  | 243.1 | 228.6  | 210.9 | 208.5  | 203.7 | 200.4  | 192.9 | 198.8  | 201.2 |
| 45°   | 254.1 | 229.4  | 213.6 | 202.6  | 189.4 | 189.4  | 187.0 | 186.8  | 181.7 | 190.0  | 192.4 |
| 47.5° | 221.1 | 201.8  | 190.8 | 184.1  | 175.0 | 179.2  | 178.4 | 180.6  | 176.8 | 185.4  | 187.6 |
| 50°   | 196.1 | 182.7  | 176.0 | 172.8  | 166.4 | 173.1  | 174.7 | 177.6  | 174.4 | 181.9  | 183.5 |
| 52.5° | 180.3 | 171.5  | 167.7 | 166.9  | 162.3 | 170.7  | 173.3 | 176.0  | 172.3 | 179.2  | 179.0 |
| 55°   | 171.5 | 165.6  | 164.2 | 165.8  | 162.3 | 170.4  | 173.1 | 175.0  | 171.7 | 176.6  | 176.3 |
| 57.5° | 168.2 | 165.0  | 165.8 | 168.2  | 165.8 | 172.5  | 173.9 | 176.0  | 172.8 | 175.0  | 176.0 |
| 60°   | 168.0 | 168.0  | 171.2 | 174.4  | 172.8 | 177.6  | 178.4 | 178.2  | 175.2 | 175.5  | 176.0 |
| 62.5° | 166.4 | 170.4  | 175.8 | 180.9  | 180.3 | 186.2  | 186.8 | 183.3  | 180.9 | 178.2  | 177.4 |
| 65°   | 161.3 | 168.0  | 175.8 | 182.7  | 183.8 | 192.9  | 194.0 | 190.5  | 188.9 | 184.3  | 180.9 |
| 67.5° | 150.0 | 158.6  | 167.7 | 176.3  | 178.2 | 190.5  | 192.9 | 194.3  | 195.1 | 192.1  | 187.6 |
| 70°   | 130.9 | 139.8  | 149.2 | 159.1  | 161.8 | 175.5  | 180.6 | 186.8  | 191.6 | 195.9  | 194.3 |
| 72.5° | 106.5 | 114.6  | 122.6 | 131.7  | 135.8 | 150.0  | 156.7 | 167.4  | 175.0 | 186.0  | 190.5 |
| 75°   | 84.5  | 89.4   | 94.2  | 99.8   | 103.0 | 117.0  | 125.3 | 138.2  | 148.4 | 163.7  | 173.9 |
| 77.5° | 66.5  | 69.0   | 71.4  | 73.8   | 75.1  | 82.9   | 89.6  | 102.5  | 114.3 | 133.6  | 148.7 |
| 80°   | 51.3  | 52.6   | 52.9  | 53.7   | 53.1  | 56.9   | 59.3  | 67.1   | 77.3  | 96.3   | 114.0 |
| 82.5° | 33.0  | 34.1   | 34.6  | 36.0   | 33.3  | 38.1   | 39.7  | 40.5   | 45.9  | 59.8   | 72.4  |
| 85°   | 18.5  | 18.8   | 19.1  | 19.6   | 15.8  | 20.7   | 20.9  | 19.6   | 19.1  | 24.7   | 27.9  |
| 87.5° | 4.6   | 4.3    | 4.6   | 4.6    | 1.9   | 4.3    | 4.3   | 3.0    | 2.1   | 4.0    | 3.2   |
| 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):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 |
| 2.5°  | 336.8 | 336.2 | 336.5 | 335.1 | 334.6 | 334.9 |
| 5°    | 331.4 | 330.3 | 330.3 | 329.5 | 328.4 | 328.4 |
| 7.5°  | 333.8 | 331.7 | 330.8 | 329.2 | 327.6 | 327.9 |
| 10°   | 337.6 | 333.8 | 331.1 | 328.7 | 326.8 | 326.8 |
| 12.5° | 340.0 | 333.3 | 329.2 | 326.0 | 323.9 | 323.9 |
| 15°   | 340.5 | 330.3 | 324.4 | 320.9 | 318.8 | 318.8 |
| 17.5° | 337.3 | 324.4 | 316.9 | 312.3 | 309.9 | 310.5 |
| 20°   | 329.2 | 313.4 | 304.6 | 299.7 | 297.3 | 297.6 |
| 22.5° | 316.6 | 298.4 | 288.2 | 282.6 | 280.1 | 280.1 |
| 25°   | 299.5 | 279.6 | 268.6 | 264.0 | 261.9 | 261.9 |
| 27.5° | 279.9 | 259.5 | 249.8 | 246.3 | 245.0 | 245.0 |
| 30°   | 257.9 | 241.0 | 234.0 | 231.6 | 229.4 | 229.4 |
| 32.5° | 239.3 | 227.3 | 224.9 | 221.6 | 216.0 | 215.7 |
| 35°   | 224.6 | 223.2 | 221.4 | 211.7 | 203.7 | 202.6 |
| 37.5° | 216.5 | 224.6 | 212.8 | 196.1 | 189.7 | 189.4 |
| 40°   | 212.2 | 219.8 | 199.4 | 191.3 | 190.5 | 190.5 |
| 42.5° | 202.1 | 207.4 | 198.6 | 194.0 | 194.0 | 194.3 |
| 45°   | 191.3 | 195.9 | 200.4 | 196.4 | 197.8 | 198.0 |
| 47.5° | 183.8 | 192.9 | 200.4 | 197.0 | 199.6 | 201.2 |
| 50°   | 176.8 | 190.2 | 196.4 | 196.4 | 199.4 | 199.6 |
| 52.5° | 175.2 | 186.5 | 192.7 | 195.6 | 195.9 | 194.5 |
| 55°   | 175.5 | 183.5 | 189.7 | 193.5 | 191.9 | 191.9 |
| 57.5° | 175.2 | 181.9 | 187.3 | 188.6 | 189.4 | 189.4 |
| 60°   | 175.5 | 179.8 | 184.1 | 183.5 | 186.2 | 186.2 |
| 62.5° | 176.3 | 176.8 | 179.0 | 178.4 | 182.5 | 182.5 |
| 65°   | 178.2 | 173.1 | 171.7 | 172.3 | 177.1 | 176.8 |
| 67.5° | 181.7 | 168.0 | 163.7 | 163.9 | 170.9 | 169.9 |
| 70°   | 186.8 | 161.0 | 154.6 | 152.9 | 164.8 | 162.9 |
| 72.5° | 188.4 | 152.9 | 142.8 | 141.1 | 148.1 | 142.8 |
| 75°   | 180.9 | 146.5 | 130.1 | 124.8 | 121.8 | 120.2 |
| 77.5° | 161.3 | 142.5 | 117.0 | 105.7 | 101.2 | 100.1 |
| 80°   | 133.6 | 134.2 | 99.8  | 86.4  | 100.4 | 100.1 |
| 82.5° | 100.9 | 115.9 | 80.0  | 74.9  | 72.7  | 60.6  |
| 85°   | 48.8  | 87.2  | 61.4  | 51.5  | 30.9  | 29.2  |
| 87.5° | 4.3   | 36.5  | 35.4  | 23.1  | 10.5  | 9.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)