

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: P154669

Luminaire Tested: **TMU-E03-LED-E-U-T2-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154669  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: TMU-E03-LED-E-U-T2-7030  
Description: TALON MEDIUM LED AREA LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8395.1 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

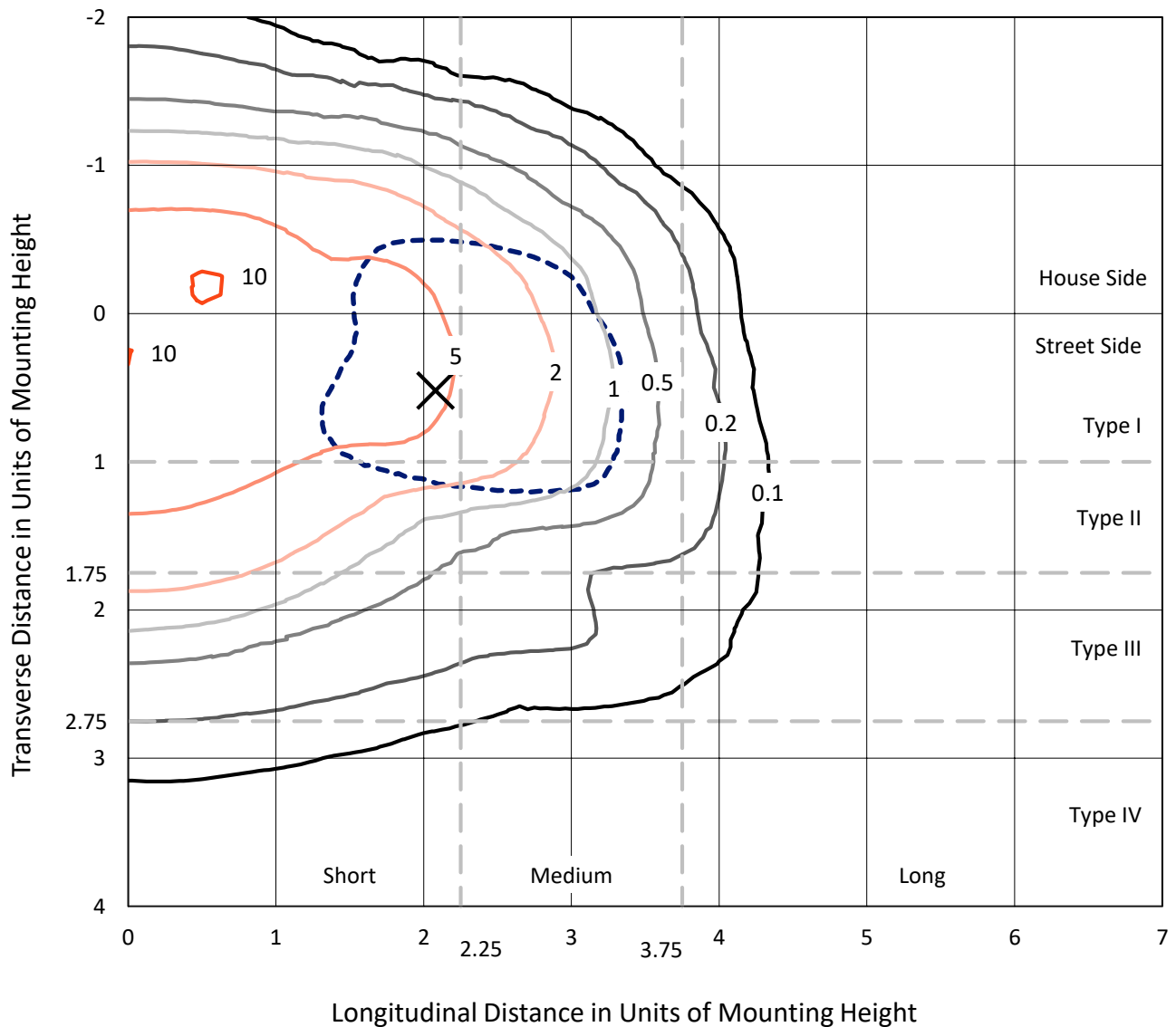
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

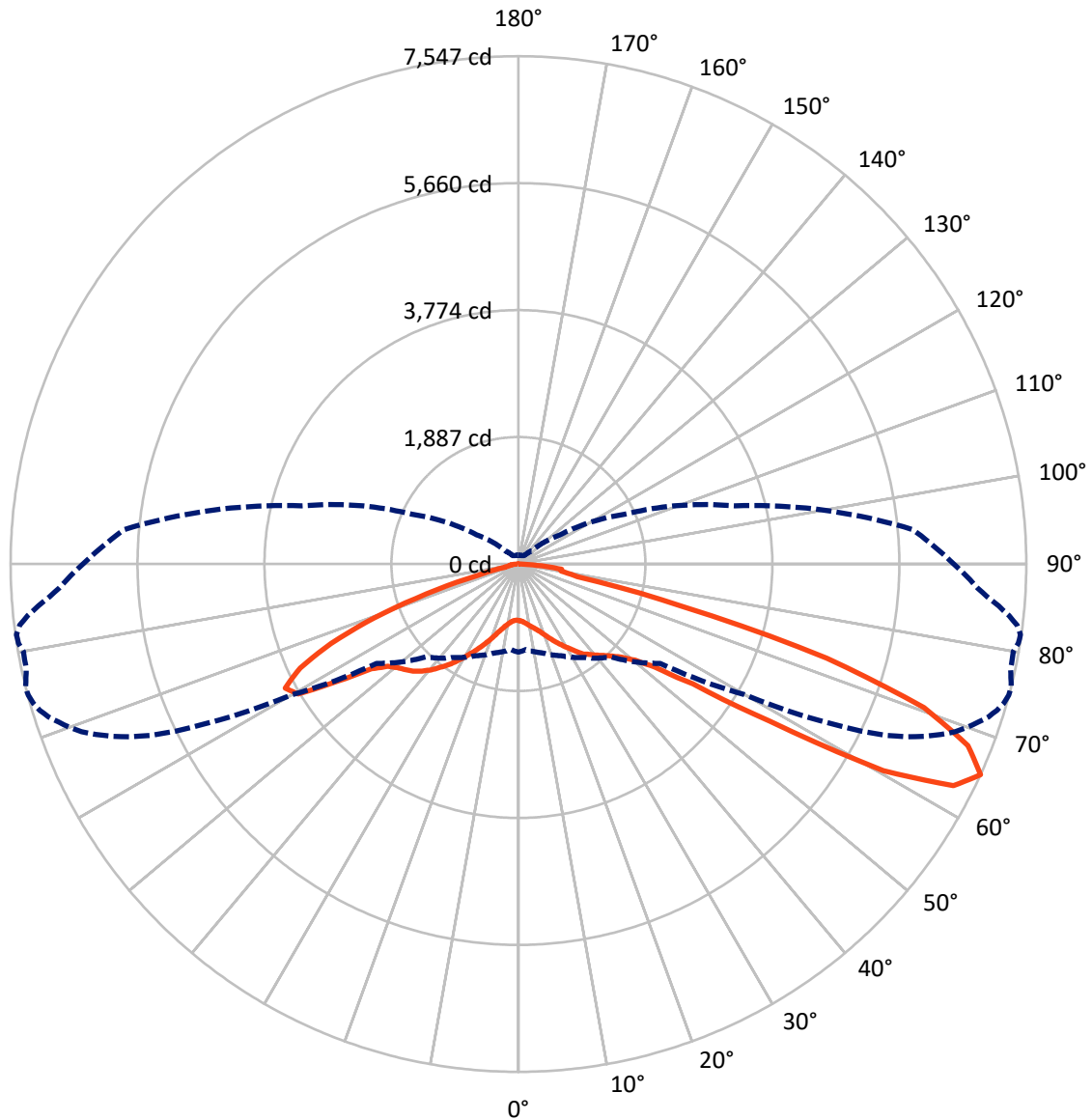


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2939.8   | 0.0    | 2939.8 |
|                    | % Fixture | 35.0     | 0.0    | 35.0   |
| <b>Street Side</b> | Lumens    | 5455.4   | 0.0    | 5455.4 |
|                    | % Fixture | 65.0     | 0.0    | 65.0   |
| <b>Total</b>       | Lumens    | 8395.1   | 0.0    | 8395.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.0   | 1.0       |
| 10°-20°   | 288.7  | 3.4       |
| 20°-30°   | 567.2  | 6.8       |
| 30°-40°   | 942.4  | 11.2      |
| 40°-50°   | 1384.8 | 16.5      |
| 50°-60°   | 1917.2 | 22.8      |
| 60°-70°   | 2288.4 | 27.3      |
| 70°-80°   | 809.3  | 9.6       |
| 80°-90°   | 113.1  | 1.3       |
| 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°    | 8395.1 | 100.0     |
| 0°-180°   | 8395.1 | 100.0     |

**Coefficient of Utilization**



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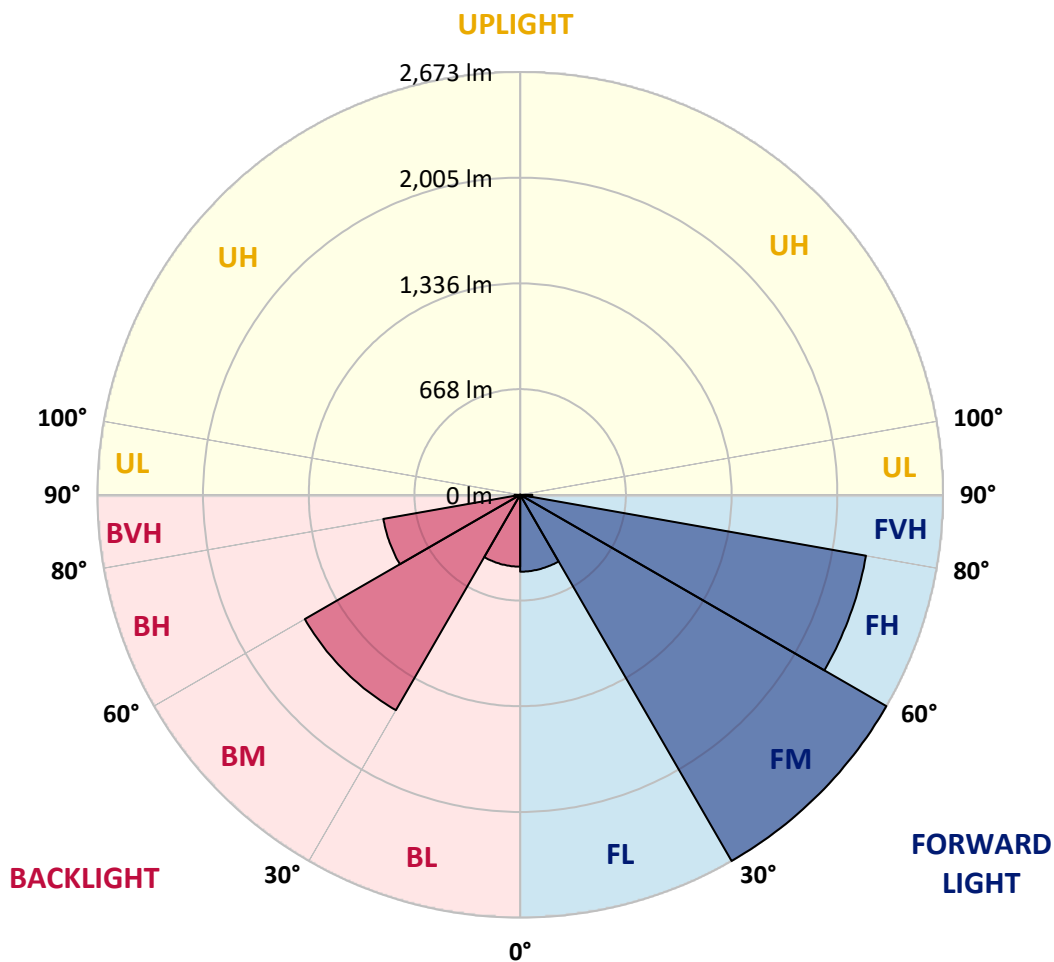
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 485.8  | 5.8       |                         |      |         |
| FM (30°-60°)   | 2672.8 | 31.8      |                         |      |         |
| FH (60°-80°)   | 2219.6 | 26.4      |                         |      | G2/5000 |
| FVH (80°-90°)  | 77.3   | 0.9       |                         |      | G1/100  |
| BL (0°-30°)    | 454.2  | 5.4       | B1/500                  |      |         |
| BM (30°-60°)   | 1571.7 | 18.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 878.1  | 10.5      | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 35.8   | 0.4       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  |
| 2.5°  | 875.9  | 876.8  | 875.0  | 874.1  | 871.3  | 866.8  | 863.1  | 859.5  | 859.5  | 859.5  | 856.7  |
| 5°    | 914.3  | 916.1  | 912.4  | 909.7  | 901.5  | 896.9  | 890.5  | 885.9  | 884.1  | 883.2  | 880.5  |
| 7.5°  | 962.7  | 959.9  | 954.5  | 952.6  | 946.2  | 936.2  | 924.3  | 915.2  | 915.2  | 914.3  | 915.2  |
| 10°   | 1011.1 | 1003.8 | 1001.0 | 998.3  | 988.2  | 975.5  | 961.8  | 951.7  | 950.8  | 949.9  | 947.1  |
| 12.5° | 1059.5 | 1056.7 | 1054.0 | 1044.0 | 1033.9 | 1013.8 | 998.3  | 988.2  | 987.3  | 988.2  | 984.6  |
| 15°   | 1123.4 | 1117.0 | 1114.3 | 1096.9 | 1075.0 | 1053.1 | 1033.9 | 1024.8 | 1022.0 | 1023.0 | 1020.2 |
| 17.5° | 1172.7 | 1172.7 | 1166.3 | 1147.2 | 1118.9 | 1088.7 | 1068.6 | 1063.1 | 1062.2 | 1062.2 | 1063.1 |
| 20°   | 1212.0 | 1211.1 | 1204.7 | 1189.2 | 1155.4 | 1125.2 | 1115.2 | 1113.4 | 1112.5 | 1112.5 | 1115.2 |
| 22.5° | 1233.9 | 1232.1 | 1229.4 | 1212.0 | 1185.5 | 1165.4 | 1166.3 | 1171.8 | 1173.7 | 1175.5 | 1179.1 |
| 25°   | 1244.9 | 1242.2 | 1241.2 | 1229.4 | 1210.2 | 1207.4 | 1223.9 | 1238.5 | 1242.2 | 1245.8 | 1250.4 |
| 27.5° | 1263.2 | 1258.6 | 1260.4 | 1255.9 | 1251.3 | 1259.5 | 1293.3 | 1308.8 | 1311.6 | 1316.1 | 1318.9 |
| 30°   | 1313.4 | 1311.6 | 1318.9 | 1320.7 | 1324.4 | 1336.2 | 1367.3 | 1381.9 | 1388.3 | 1388.3 | 1401.1 |
| 32.5° | 1409.3 | 1410.2 | 1412.0 | 1431.2 | 1437.6 | 1445.8 | 1462.3 | 1474.1 | 1475.1 | 1476.0 | 1487.8 |
| 35°   | 1538.1 | 1543.6 | 1559.1 | 1575.5 | 1591.1 | 1590.1 | 1580.1 | 1586.5 | 1581.9 | 1587.4 | 1588.3 |
| 37.5° | 1700.7 | 1693.4 | 1716.2 | 1753.6 | 1777.4 | 1771.0 | 1726.2 | 1697.0 | 1705.2 | 1701.6 | 1698.8 |
| 40°   | 1825.8 | 1834.0 | 1877.8 | 1927.2 | 1945.4 | 1965.5 | 1907.1 | 1856.8 | 1849.5 | 1835.8 | 1827.6 |
| 42.5° | 1998.4 | 1999.3 | 2034.9 | 2071.5 | 2124.5 | 2168.3 | 2130.8 | 2058.7 | 2036.8 | 2020.3 | 1984.7 |
| 45°   | 2158.2 | 2155.5 | 2184.7 | 2229.5 | 2292.5 | 2355.5 | 2369.2 | 2290.7 | 2282.5 | 2253.2 | 2206.7 |
| 47.5° | 2265.1 | 2261.5 | 2281.5 | 2340.0 | 2442.3 | 2545.5 | 2602.1 | 2578.4 | 2562.9 | 2551.0 | 2477.9 |
| 50°   | 2337.3 | 2330.0 | 2352.8 | 2414.9 | 2529.1 | 2688.0 | 2836.0 | 2856.0 | 2849.7 | 2849.7 | 2803.1 |
| 52.5° | 2391.2 | 2391.2 | 2407.6 | 2457.8 | 2573.8 | 2772.0 | 3036.9 | 3138.3 | 3146.5 | 3155.6 | 3152.9 |
| 55°   | 2361.0 | 2365.6 | 2406.7 | 2479.7 | 2602.1 | 2830.5 | 3203.1 | 3425.1 | 3470.7 | 3509.1 | 3552.9 |
| 57.5° | 2257.8 | 2273.3 | 2328.1 | 2447.8 | 2609.4 | 2874.3 | 3387.6 | 3826.9 | 3955.7 | 4067.1 | 4240.7 |
| 60°   | 2107.1 | 2127.2 | 2206.7 | 2359.2 | 2555.6 | 2803.1 | 3452.5 | 4166.7 | 4371.3 | 4614.2 | 5067.3 |
| 62.5° | 1848.6 | 1868.7 | 1946.3 | 2098.9 | 2266.9 | 2530.0 | 3183.9 | 4216.9 | 4543.9 | 4888.3 | 5573.3 |
| 65°   | 1309.7 | 1277.8 | 1367.3 | 1504.3 | 1697.0 | 1951.8 | 2572.9 | 3879.9 | 4350.3 | 4817.0 | 5662.8 |
| 67.5° | 729.8  | 727.0  | 781.8  | 884.1  | 1068.6 | 1342.6 | 1772.8 | 2975.7 | 3408.6 | 3937.5 | 4975.9 |
| 70°   | 503.3  | 508.7  | 543.4  | 654.0  | 806.5  | 1043.0 | 1263.2 | 1868.7 | 2180.2 | 2539.1 | 3560.2 |
| 72.5° | 353.5  | 365.3  | 384.5  | 450.3  | 606.5  | 878.6  | 1290.6 | 1117.0 | 1272.3 | 1517.1 | 2140.9 |
| 75°   | 207.3  | 215.6  | 229.3  | 261.2  | 345.2  | 587.3  | 1336.2 | 981.9  | 981.9  | 1039.4 | 1295.1 |
| 77.5° | 127.9  | 127.9  | 136.1  | 148.9  | 183.6  | 287.7  | 951.7  | 1103.3 | 1072.3 | 1039.4 | 1042.1 |
| 80°   | 65.8   | 70.3   | 82.2   | 88.6   | 102.3  | 131.5  | 427.4  | 1029.3 | 1128.9 | 1195.6 | 1149.0 |
| 82.5° | 30.1   | 33.8   | 50.2   | 53.9   | 59.4   | 69.4   | 147.0  | 585.5  | 784.6  | 1033.0 | 1290.6 |
| 85°   | 15.5   | 15.5   | 26.5   | 32.9   | 35.6   | 32.0   | 53.9   | 236.6  | 358.0  | 546.2  | 854.9  |
| 87.5° | 2.7    | 2.7    | 4.6    | 5.5    | 8.2    | 7.3    | 9.1    | 13.7   | 22.8   | 24.7   | 25.6   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  |
| 2.5°  | 855.8  | 856.7  | 855.8  | 854.9  | 853.1  | 853.1  | 853.1  | 852.2  | 852.2  | 852.2  | 851.2  |
| 5°    | 880.5  | 876.8  | 877.7  | 875.9  | 875.0  | 874.1  | 875.0  | 873.2  | 871.3  | 872.2  | 871.3  |
| 7.5°  | 911.5  | 909.7  | 906.0  | 906.0  | 905.1  | 903.3  | 903.3  | 900.6  | 899.7  | 897.8  | 896.9  |
| 10°   | 946.2  | 941.7  | 943.5  | 941.7  | 942.6  | 938.9  | 937.1  | 935.3  | 933.4  | 933.4  | 934.4  |
| 12.5° | 981.9  | 980.9  | 978.2  | 976.4  | 976.4  | 973.6  | 974.5  | 973.6  | 970.9  | 970.0  | 967.2  |
| 15°   | 1018.4 | 1018.4 | 1015.6 | 1016.6 | 1015.6 | 1013.8 | 1012.0 | 1012.0 | 1010.2 | 1008.3 | 1009.3 |
| 17.5° | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1062.2 | 1059.5 | 1060.4 | 1058.6 | 1056.7 | 1060.4 | 1060.4 |
| 20°   | 1117.0 | 1120.7 | 1120.7 | 1119.8 | 1124.3 | 1121.6 | 1120.7 | 1125.2 | 1120.7 | 1127.1 | 1126.2 |
| 22.5° | 1181.0 | 1184.6 | 1184.6 | 1188.3 | 1189.2 | 1191.9 | 1193.7 | 1191.9 | 1195.6 | 1199.2 | 1199.2 |
| 25°   | 1252.2 | 1255.9 | 1258.6 | 1264.1 | 1266.8 | 1265.0 | 1265.9 | 1270.5 | 1272.3 | 1276.0 | 1279.6 |
| 27.5° | 1327.1 | 1328.0 | 1331.7 | 1338.1 | 1342.6 | 1344.5 | 1345.4 | 1352.7 | 1353.6 | 1355.4 | 1359.1 |
| 30°   | 1400.2 | 1409.3 | 1407.5 | 1415.7 | 1418.4 | 1421.2 | 1426.7 | 1429.4 | 1435.8 | 1439.4 | 1439.4 |
| 32.5° | 1486.0 | 1484.2 | 1491.5 | 1497.9 | 1502.5 | 1507.0 | 1511.6 | 1515.2 | 1518.9 | 1520.7 | 1529.9 |
| 35°   | 1592.9 | 1596.5 | 1596.5 | 1597.4 | 1608.4 | 1609.3 | 1613.0 | 1621.2 | 1623.9 | 1629.4 | 1633.1 |
| 37.5° | 1698.8 | 1692.4 | 1691.5 | 1691.5 | 1687.9 | 1690.6 | 1691.5 | 1692.4 | 1696.1 | 1697.0 | 1700.7 |
| 40°   | 1817.6 | 1809.3 | 1802.0 | 1797.5 | 1790.2 | 1780.1 | 1778.3 | 1773.7 | 1776.5 | 1775.6 | 1776.5 |
| 42.5° | 1980.1 | 1957.3 | 1940.0 | 1927.2 | 1912.6 | 1901.6 | 1893.4 | 1881.5 | 1873.3 | 1863.2 | 1861.4 |
| 45°   | 2187.5 | 2144.5 | 2115.3 | 2094.3 | 2073.3 | 2043.2 | 2025.8 | 2007.5 | 1991.1 | 1974.7 | 1961.0 |
| 47.5° | 2459.7 | 2414.0 | 2367.4 | 2329.0 | 2296.2 | 2247.8 | 2198.4 | 2171.0 | 2139.1 | 2110.8 | 2090.7 |
| 50°   | 2780.2 | 2725.4 | 2703.5 | 2649.6 | 2608.5 | 2535.5 | 2474.3 | 2429.5 | 2365.6 | 2322.6 | 2285.2 |
| 52.5° | 3108.1 | 3094.4 | 3082.6 | 3036.9 | 2988.5 | 2946.5 | 2892.6 | 2814.0 | 2749.2 | 2699.9 | 2623.1 |
| 55°   | 3554.8 | 3561.2 | 3556.6 | 3531.9 | 3514.6 | 3474.4 | 3452.5 | 3384.0 | 3354.7 | 3283.5 | 3203.1 |
| 57.5° | 4306.4 | 4357.6 | 4422.4 | 4448.0 | 4482.7 | 4449.8 | 4488.2 | 4534.8 | 4418.8 | 4459.0 | 4386.8 |
| 60°   | 5266.4 | 5501.1 | 5640.9 | 5812.6 | 5924.9 | 6082.0 | 6110.3 | 6151.4 | 6139.5 | 6162.4 | 6209.0 |
| 62.5° | 5852.7 | 6131.3 | 6398.9 | 6593.5 | 6801.7 | 6916.8 | 7055.6 | 7152.4 | 7252.9 | 7320.5 | 7301.3 |
| 65°   | 6025.4 | 6312.2 | 6555.1 | 6767.9 | 6954.2 | 7094.9 | 7223.7 | 7345.2 | 7437.4 | 7502.3 | 7540.6 |
| 67.5° | 5391.5 | 5766.0 | 6021.7 | 6271.1 | 6511.3 | 6659.2 | 6767.0 | 6884.8 | 7020.0 | 7132.4 | 7154.3 |
| 70°   | 4057.1 | 4618.8 | 4981.4 | 5280.1 | 5562.3 | 5761.4 | 5912.1 | 6021.7 | 6126.8 | 6207.1 | 6294.8 |
| 72.5° | 2537.3 | 3028.7 | 3443.3 | 3830.6 | 4130.2 | 4404.2 | 4531.1 | 4774.1 | 4742.1 | 4803.3 | 4869.1 |
| 75°   | 1520.7 | 1760.0 | 1988.4 | 2261.5 | 2418.6 | 2646.9 | 2688.0 | 2728.2 | 2707.2 | 2638.7 | 2689.8 |
| 77.5° | 1056.7 | 1096.0 | 1094.2 | 1078.7 | 1062.2 | 1022.0 | 970.0  | 941.7  | 922.5  | 895.1  | 906.0  |
| 80°   | 1063.1 | 978.2  | 848.5  | 713.3  | 589.1  | 506.9  | 474.0  | 474.0  | 507.8  | 556.2  | 604.6  |
| 82.5° | 1270.5 | 1180.0 | 1052.2 | 880.5  | 697.8  | 568.1  | 481.3  | 446.6  | 453.0  | 502.3  | 564.5  |
| 85°   | 856.7  | 876.8  | 769.0  | 703.3  | 557.1  | 433.8  | 363.5  | 295.0  | 261.2  | 269.4  | 305.1  |
| 87.5° | 31.1   | 37.4   | 13.7   | 18.3   | 12.8   | 11.0   | 11.0   | 11.9   | 8.2    | 10.0   | 9.1    |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  |
| 2.5°  | 850.3  | 849.4  | 849.4  | 847.6  | 847.6  | 846.7  | 846.7  | 845.8  | 844.8  | 844.8  | 843.9  |
| 5°    | 870.4  | 869.5  | 867.7  | 866.8  | 864.9  | 864.9  | 864.0  | 862.2  | 862.2  | 860.4  | 859.5  |
| 7.5°  | 898.7  | 896.9  | 895.1  | 894.2  | 893.3  | 890.5  | 890.5  | 888.7  | 888.7  | 886.9  | 885.9  |
| 10°   | 932.5  | 930.7  | 928.9  | 929.8  | 927.1  | 926.1  | 924.3  | 924.3  | 921.6  | 920.7  | 920.7  |
| 12.5° | 969.1  | 968.2  | 968.2  | 965.4  | 964.5  | 963.6  | 959.9  | 959.9  | 959.9  | 958.1  | 959.0  |
| 15°   | 1008.3 | 1009.3 | 1006.5 | 1009.3 | 1008.3 | 1005.6 | 1005.6 | 1005.6 | 1001.9 | 1006.5 | 1002.9 |
| 17.5° | 1061.3 | 1064.1 | 1062.2 | 1063.1 | 1061.3 | 1061.3 | 1062.2 | 1061.3 | 1063.1 | 1063.1 | 1068.6 |
| 20°   | 1127.1 | 1128.0 | 1132.6 | 1130.7 | 1130.7 | 1129.8 | 1131.6 | 1132.6 | 1136.2 | 1134.4 | 1138.0 |
| 22.5° | 1199.2 | 1203.8 | 1204.7 | 1208.4 | 1208.4 | 1207.4 | 1209.3 | 1212.9 | 1214.8 | 1217.5 | 1216.6 |
| 25°   | 1281.4 | 1284.2 | 1287.8 | 1283.3 | 1290.6 | 1290.6 | 1292.4 | 1297.0 | 1297.9 | 1297.9 | 1304.3 |
| 27.5° | 1358.2 | 1365.5 | 1366.4 | 1370.9 | 1368.2 | 1370.0 | 1376.4 | 1379.2 | 1382.8 | 1382.8 | 1384.6 |
| 30°   | 1444.9 | 1447.7 | 1449.5 | 1455.0 | 1454.1 | 1455.0 | 1455.9 | 1460.4 | 1460.4 | 1465.0 | 1469.6 |
| 32.5° | 1534.4 | 1536.3 | 1538.1 | 1543.6 | 1545.4 | 1549.0 | 1547.2 | 1550.9 | 1555.4 | 1556.3 | 1559.1 |
| 35°   | 1641.3 | 1643.1 | 1644.9 | 1653.2 | 1654.1 | 1660.5 | 1662.3 | 1660.5 | 1667.8 | 1663.2 | 1667.8 |
| 37.5° | 1703.4 | 1711.6 | 1713.4 | 1718.9 | 1717.1 | 1721.7 | 1724.4 | 1728.1 | 1729.9 | 1733.5 | 1740.8 |
| 40°   | 1779.2 | 1781.9 | 1787.4 | 1790.2 | 1793.8 | 1794.7 | 1798.4 | 1801.1 | 1803.9 | 1812.1 | 1820.3 |
| 42.5° | 1856.8 | 1860.5 | 1863.2 | 1866.9 | 1871.5 | 1875.1 | 1877.8 | 1886.1 | 1887.9 | 1893.4 | 1908.9 |
| 45°   | 1950.9 | 1949.1 | 1950.0 | 1950.9 | 1952.7 | 1957.3 | 1965.5 | 1973.8 | 1979.2 | 1992.0 | 2004.8 |
| 47.5° | 2067.8 | 2056.0 | 2051.4 | 2044.1 | 2045.9 | 2056.0 | 2057.8 | 2071.5 | 2082.4 | 2094.3 | 2109.8 |
| 50°   | 2245.0 | 2213.0 | 2193.9 | 2174.7 | 2172.9 | 2178.3 | 2185.6 | 2200.3 | 2213.0 | 2228.6 | 2250.5 |
| 52.5° | 2542.8 | 2481.6 | 2443.2 | 2390.2 | 2375.6 | 2372.9 | 2367.4 | 2375.6 | 2379.3 | 2400.3 | 2441.4 |
| 55°   | 3145.6 | 3032.3 | 2959.3 | 2877.1 | 2800.3 | 2777.5 | 2733.7 | 2742.8 | 2733.7 | 2746.4 | 2807.6 |
| 57.5° | 4404.2 | 4313.8 | 4242.5 | 4137.5 | 4006.0 | 3866.2 | 3831.5 | 3688.1 | 3716.4 | 3798.6 | 3745.6 |
| 60°   | 6231.8 | 6198.9 | 6147.8 | 6097.5 | 5917.6 | 5816.2 | 5650.9 | 5632.6 | 5516.6 | 5517.5 | 5441.7 |
| 62.5° | 7254.7 | 7296.8 | 7265.7 | 7251.1 | 7241.0 | 7209.1 | 7126.9 | 7028.2 | 6880.3 | 6773.4 | 6616.3 |
| 65°   | 7547.0 | 7511.4 | 7477.6 | 7473.0 | 7470.3 | 7522.4 | 7534.2 | 7464.8 | 7330.5 | 7164.3 | 6983.5 |
| 67.5° | 7206.3 | 7186.2 | 7188.1 | 7149.7 | 7173.5 | 7263.9 | 7326.9 | 7307.7 | 7184.4 | 6983.5 | 6753.3 |
| 70°   | 6395.3 | 6356.0 | 6396.2 | 6446.4 | 6482.0 | 6534.1 | 6597.1 | 6612.7 | 6500.3 | 6293.9 | 6059.2 |
| 72.5° | 4788.7 | 4795.1 | 4833.4 | 4847.2 | 4990.5 | 4975.9 | 5032.6 | 4848.1 | 4766.8 | 4570.4 | 4449.8 |
| 75°   | 2519.9 | 2478.8 | 2585.7 | 2359.2 | 2266.0 | 2330.9 | 2149.1 | 1974.7 | 2011.2 | 2041.3 | 1824.0 |
| 77.5° | 890.5  | 833.0  | 735.2  | 696.0  | 579.1  | 490.5  | 401.0  | 361.7  | 340.7  | 329.7  | 316.0  |
| 80°   | 639.3  | 657.6  | 637.5  | 590.0  | 501.4  | 401.9  | 316.9  | 250.3  | 214.6  | 195.5  | 182.7  |
| 82.5° | 646.7  | 718.8  | 750.8  | 737.1  | 656.7  | 496.9  | 327.9  | 209.2  | 155.3  | 129.7  | 120.6  |
| 85°   | 347.1  | 380.0  | 365.3  | 307.8  | 276.7  | 165.3  | 113.3  | 75.8   | 63.9   | 58.5   | 53.9   |
| 87.5° | 13.7   | 11.0   | 9.1    | 9.1    | 10.0   | 11.0   | 9.1    | 10.0   | 9.1    | 9.1    | 9.1    |
| 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):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  | 839.4  |
| 2.5°  | 842.1  | 842.1  | 842.1  | 841.2  | 839.4  | 834.8  | 830.2  | 826.6  | 823.8  | 821.1  | 817.4  |
| 5°    | 858.5  | 856.7  | 856.7  | 856.7  | 849.4  | 842.1  | 835.7  | 829.3  | 823.8  | 819.3  | 815.6  |
| 7.5°  | 885.9  | 885.0  | 881.4  | 880.5  | 875.0  | 863.1  | 855.8  | 844.8  | 838.5  | 832.1  | 830.2  |
| 10°   | 918.8  | 917.9  | 917.0  | 916.1  | 908.8  | 896.9  | 887.8  | 877.7  | 868.6  | 859.5  | 850.3  |
| 12.5° | 957.2  | 956.3  | 955.4  | 952.6  | 949.9  | 943.5  | 933.4  | 922.5  | 911.5  | 892.3  | 882.3  |
| 15°   | 1004.7 | 1006.5 | 1004.7 | 1003.8 | 1001.9 | 1002.9 | 996.5  | 980.9  | 963.6  | 938.9  | 917.9  |
| 17.5° | 1067.7 | 1065.9 | 1065.0 | 1068.6 | 1067.7 | 1072.3 | 1070.4 | 1050.4 | 1023.9 | 984.6  | 948.1  |
| 20°   | 1137.1 | 1137.1 | 1140.8 | 1143.5 | 1151.7 | 1163.6 | 1158.1 | 1133.5 | 1085.1 | 1030.3 | 982.8  |
| 22.5° | 1220.2 | 1222.1 | 1225.7 | 1223.9 | 1236.7 | 1255.9 | 1257.7 | 1223.0 | 1160.0 | 1084.1 | 1017.5 |
| 25°   | 1307.0 | 1308.8 | 1305.2 | 1310.7 | 1331.7 | 1359.1 | 1364.5 | 1315.2 | 1232.1 | 1133.5 | 1046.7 |
| 27.5° | 1389.2 | 1391.0 | 1391.0 | 1398.3 | 1418.4 | 1465.0 | 1470.5 | 1415.7 | 1305.2 | 1176.4 | 1067.7 |
| 30°   | 1469.6 | 1476.9 | 1478.7 | 1480.5 | 1510.7 | 1575.5 | 1587.4 | 1507.9 | 1369.1 | 1208.4 | 1082.3 |
| 32.5° | 1571.0 | 1573.7 | 1577.4 | 1581.9 | 1616.6 | 1696.1 | 1696.1 | 1587.4 | 1410.2 | 1228.5 | 1085.1 |
| 35°   | 1679.7 | 1680.6 | 1688.8 | 1689.7 | 1739.0 | 1818.5 | 1803.0 | 1653.2 | 1439.4 | 1223.9 | 1065.0 |
| 37.5° | 1745.4 | 1749.1 | 1757.3 | 1768.2 | 1820.3 | 1932.6 | 1897.0 | 1709.8 | 1444.9 | 1193.7 | 1019.3 |
| 40°   | 1826.7 | 1834.0 | 1842.2 | 1853.2 | 1930.8 | 2048.6 | 1976.5 | 1745.4 | 1422.1 | 1134.4 | 950.8  |
| 42.5° | 1914.4 | 1924.4 | 1937.2 | 1957.3 | 2049.6 | 2150.9 | 2036.8 | 1750.9 | 1370.0 | 1067.7 | 869.5  |
| 45°   | 2013.0 | 2031.3 | 2045.9 | 2069.7 | 2173.8 | 2239.5 | 2073.3 | 1718.9 | 1304.3 | 980.0  | 782.7  |
| 47.5° | 2127.2 | 2141.8 | 2167.4 | 2193.0 | 2297.1 | 2299.8 | 2077.0 | 1656.8 | 1214.8 | 892.3  | 690.5  |
| 50°   | 2267.8 | 2277.0 | 2315.3 | 2330.9 | 2428.6 | 2362.8 | 2050.5 | 1572.8 | 1120.7 | 793.7  | 588.2  |
| 52.5° | 2455.1 | 2467.9 | 2517.2 | 2540.9 | 2610.4 | 2448.7 | 2013.0 | 1481.5 | 1012.9 | 683.2  | 483.2  |
| 55°   | 2825.0 | 2880.7 | 2915.4 | 2956.5 | 3001.3 | 2643.2 | 1996.6 | 1383.7 | 891.4  | 555.3  | 382.7  |
| 57.5° | 3863.5 | 3845.2 | 3921.9 | 4015.1 | 4014.2 | 3088.0 | 2095.2 | 1299.7 | 748.0  | 424.7  | 294.1  |
| 60°   | 5410.7 | 5428.0 | 5388.8 | 5444.5 | 5267.3 | 3639.7 | 2230.4 | 1211.1 | 586.4  | 316.0  | 224.7  |
| 62.5° | 6560.6 | 6460.1 | 6404.4 | 6338.7 | 5948.7 | 3700.0 | 2131.8 | 1029.3 | 426.5  | 221.9  | 172.6  |
| 65°   | 6832.8 | 6715.0 | 6595.3 | 6470.2 | 5882.0 | 3335.6 | 1749.1 | 755.3  | 275.8  | 152.5  | 137.0  |
| 67.5° | 6564.2 | 6375.2 | 6222.7 | 6093.9 | 5389.7 | 2764.7 | 1278.7 | 464.0  | 158.0  | 123.3  | 116.9  |
| 70°   | 5868.3 | 5659.1 | 5412.5 | 5268.2 | 4538.4 | 2037.7 | 819.3  | 250.3  | 121.5  | 109.6  | 106.9  |
| 72.5° | 4295.5 | 4123.8 | 3854.3 | 3689.0 | 3258.8 | 1238.5 | 457.6  | 140.7  | 113.3  | 105.0  | 101.4  |
| 75°   | 1673.3 | 1583.7 | 1471.4 | 1480.5 | 1321.6 | 548.0  | 207.3  | 121.5  | 110.5  | 103.2  | 99.6   |
| 77.5° | 287.7  | 280.4  | 259.4  | 259.4  | 295.0  | 200.0  | 137.9  | 122.4  | 109.6  | 101.4  | 95.0   |
| 80°   | 172.6  | 169.0  | 160.7  | 158.9  | 153.4  | 140.7  | 132.4  | 124.2  | 107.8  | 95.9   | 87.7   |
| 82.5° | 113.3  | 108.7  | 105.9  | 105.0  | 114.2  | 123.3  | 124.2  | 123.3  | 102.3  | 83.1   | 71.2   |
| 85°   | 48.4   | 48.4   | 48.4   | 49.3   | 65.8   | 99.6   | 102.3  | 109.6  | 84.0   | 64.8   | 51.1   |
| 87.5° | 8.2    | 10.0   | 10.0   | 11.0   | 11.9   | 21.9   | 27.4   | 35.6   | 28.3   | 27.4   | 24.7   |
| 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):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 839.4 | 839.4 | 839.4 |
| 2.5°  | 816.5 | 814.7 | 814.7 |
| 5°    | 813.8 | 812.0 | 812.9 |
| 7.5°  | 824.8 | 821.1 | 822.0 |
| 10°   | 844.8 | 841.2 | 839.4 |
| 12.5° | 870.4 | 865.9 | 865.9 |
| 15°   | 896.9 | 885.9 | 885.0 |
| 17.5° | 918.8 | 905.1 | 903.3 |
| 20°   | 943.5 | 925.2 | 922.5 |
| 22.5° | 966.3 | 941.7 | 938.0 |
| 25°   | 982.8 | 952.6 | 948.1 |
| 27.5° | 990.1 | 954.5 | 950.8 |
| 30°   | 995.6 | 955.4 | 949.9 |
| 32.5° | 990.1 | 947.1 | 942.6 |
| 35°   | 959.9 | 913.4 | 910.6 |
| 37.5° | 907.9 | 855.8 | 852.2 |
| 40°   | 839.4 | 784.6 | 775.4 |
| 42.5° | 751.7 | 700.5 | 690.5 |
| 45°   | 666.7 | 608.3 | 603.7 |
| 47.5° | 575.4 | 519.7 | 522.4 |
| 50°   | 479.5 | 429.3 | 428.4 |
| 52.5° | 388.2 | 344.3 | 341.6 |
| 55°   | 306.0 | 274.9 | 272.2 |
| 57.5° | 242.0 | 225.6 | 222.9 |
| 60°   | 197.3 | 189.1 | 186.3 |
| 62.5° | 158.9 | 156.2 | 155.3 |
| 65°   | 132.4 | 132.4 | 132.4 |
| 67.5° | 115.1 | 116.0 | 116.0 |
| 70°   | 105.9 | 106.9 | 105.9 |
| 72.5° | 102.3 | 105.0 | 105.0 |
| 75°   | 99.6  | 101.4 | 97.7  |
| 77.5° | 97.7  | 98.6  | 92.2  |
| 80°   | 96.8  | 95.9  | 84.0  |
| 82.5° | 84.0  | 81.3  | 71.2  |
| 85°   | 76.7  | 58.5  | 49.3  |
| 87.5° | 39.3  | 27.4  | 21.0  |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)