

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: P939293

Luminaire Tested: **GLAN-SB1D-827-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

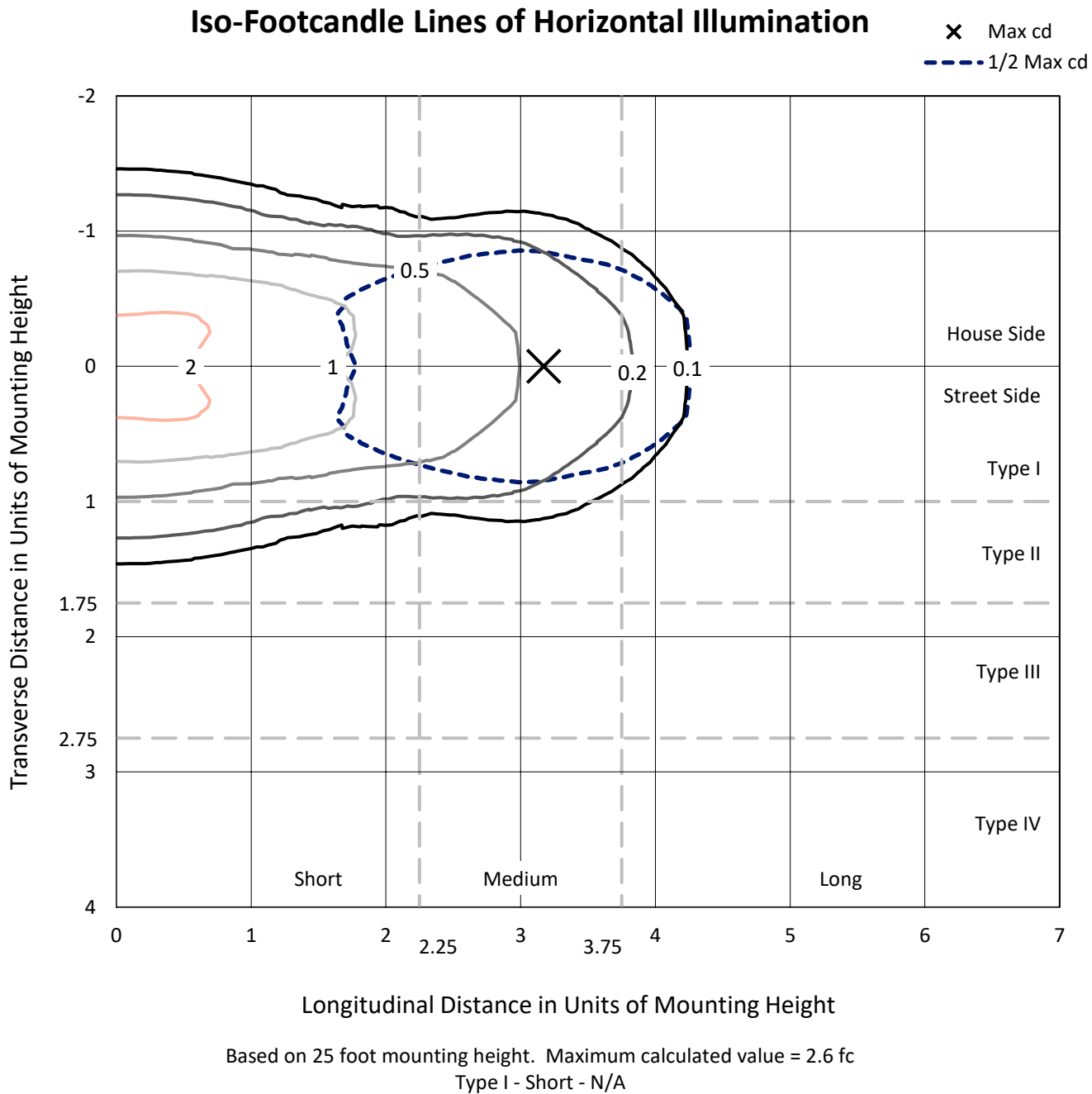
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8757 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 79.6  
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: 24 FT

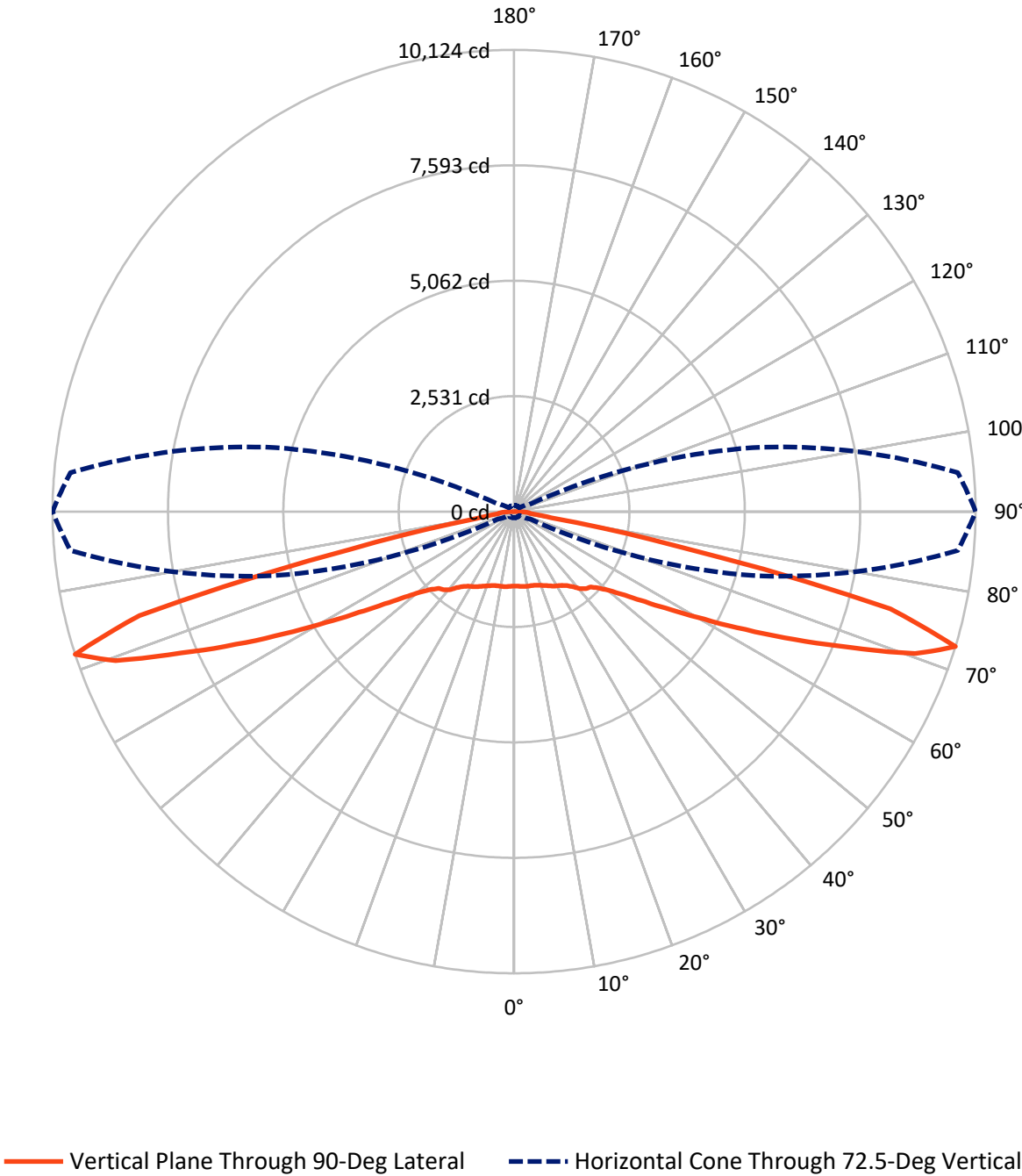


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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4378.5   | 0.0    | 4378.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4378.5   | 0.0    | 4378.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 8757.0   | 0.0    | 8757.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.7  | 1.8       |
| 10°-20°   | 485.1  | 5.5       |
| 20°-30°   | 808.9  | 9.2       |
| 30°-40°   | 1112.5 | 12.7      |
| 40°-50°   | 1358.7 | 15.5      |
| 50°-60°   | 1571.4 | 17.9      |
| 60°-70°   | 1873.7 | 21.4      |
| 70°-80°   | 1307.7 | 14.9      |
| 80°-90°   | 80.3   | 0.9       |
| 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°    | 8757.0 | 100.0     |
| 0°-180°   | 8757.0 | 100.0     |

**Coefficient of Utilization**



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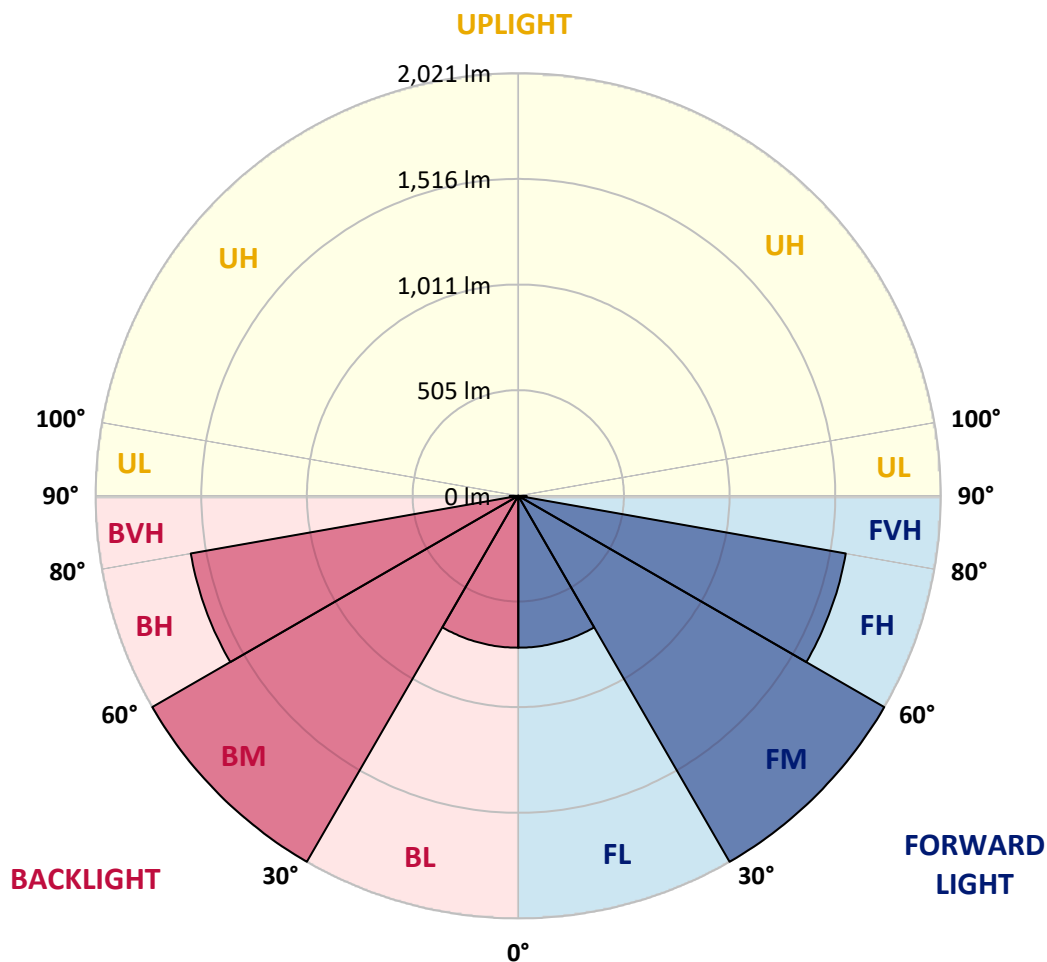
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 726.3  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 2021.3 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1590.7 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 40.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 726.3  | 8.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2021.3 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1590.7 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 40.2   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 |
| 2.5°  | 1637.7 | 1639.6 | 1639.6 | 1638.2 | 1641.5 | 1638.7 | 1638.7 | 1637.3 | 1638.7 | 1637.3 |
| 5°    | 1646.1 | 1648.4 | 1649.4 | 1648.9 | 1653.1 | 1650.8 | 1650.8 | 1648.9 | 1649.4 | 1648.0 |
| 7.5°  | 1661.9 | 1665.2 | 1667.1 | 1669.4 | 1675.4 | 1672.6 | 1670.8 | 1665.2 | 1662.9 | 1659.1 |
| 10°   | 1667.1 | 1670.8 | 1676.8 | 1688.9 | 1702.9 | 1703.4 | 1697.8 | 1683.8 | 1673.1 | 1664.7 |
| 12.5° | 1651.2 | 1656.3 | 1668.9 | 1693.6 | 1724.8 | 1737.3 | 1728.5 | 1705.2 | 1684.3 | 1669.4 |
| 15°   | 1631.2 | 1636.8 | 1655.9 | 1693.1 | 1739.2 | 1768.5 | 1767.6 | 1736.9 | 1703.4 | 1680.1 |
| 17.5° | 1600.0 | 1605.6 | 1633.1 | 1685.2 | 1750.4 | 1798.8 | 1811.8 | 1780.1 | 1733.1 | 1702.0 |
| 20°   | 1543.7 | 1548.8 | 1587.0 | 1660.1 | 1754.1 | 1830.9 | 1864.8 | 1836.9 | 1778.3 | 1735.9 |
| 22.5° | 1470.7 | 1478.6 | 1523.2 | 1616.8 | 1745.2 | 1864.4 | 1925.3 | 1906.3 | 1830.9 | 1772.2 |
| 25°   | 1392.5 | 1400.8 | 1453.0 | 1563.7 | 1722.4 | 1888.6 | 1997.0 | 1984.9 | 1890.4 | 1817.4 |
| 27.5° | 1325.0 | 1333.8 | 1390.6 | 1511.1 | 1687.1 | 1897.9 | 2067.8 | 2073.8 | 1962.6 | 1867.2 |
| 30°   | 1271.9 | 1280.3 | 1340.8 | 1468.8 | 1641.5 | 1888.6 | 2129.7 | 2171.5 | 2036.1 | 1910.5 |
| 32.5° | 1213.8 | 1224.5 | 1288.2 | 1417.1 | 1587.5 | 1866.2 | 2183.6 | 2277.2 | 2121.3 | 1957.0 |
| 35°   | 1140.2 | 1150.0 | 1217.0 | 1346.4 | 1516.7 | 1830.4 | 2228.8 | 2394.5 | 2243.2 | 2027.7 |
| 37.5° | 1050.9 | 1060.2 | 1126.7 | 1258.0 | 1446.5 | 1780.1 | 2263.2 | 2526.6 | 2388.4 | 2129.7 |
| 40°   | 961.0  | 969.9  | 1032.3 | 1159.3 | 1362.2 | 1715.9 | 2275.3 | 2656.0 | 2555.0 | 2269.7 |
| 42.5° | 878.7  | 886.6  | 943.8  | 1062.0 | 1267.7 | 1634.0 | 2259.5 | 2768.7 | 2704.4 | 2367.5 |
| 45°   | 802.8  | 809.8  | 860.5  | 970.8  | 1169.5 | 1534.4 | 2212.0 | 2889.7 | 2882.2 | 2437.3 |
| 47.5° | 716.2  | 723.2  | 775.8  | 882.4  | 1071.3 | 1417.6 | 2131.5 | 3008.8 | 3129.3 | 2595.5 |
| 50°   | 610.6  | 616.7  | 670.6  | 780.5  | 969.4  | 1293.3 | 2019.8 | 3102.3 | 3441.1 | 2835.2 |
| 52.5° | 485.4  | 491.9  | 544.5  | 654.3  | 848.4  | 1159.8 | 1872.8 | 3163.3 | 3801.4 | 3185.2 |
| 55°   | 361.1  | 365.8  | 411.4  | 510.1  | 698.6  | 1007.6 | 1688.5 | 3180.5 | 4210.0 | 3663.6 |
| 57.5° | 262.0  | 264.8  | 294.1  | 367.7  | 529.6  | 817.2  | 1464.6 | 3135.8 | 4696.3 | 4277.0 |
| 60°   | 212.2  | 213.2  | 222.0  | 254.6  | 368.1  | 602.2  | 1194.2 | 2982.3 | 5224.1 | 5067.7 |
| 62.5° | 192.7  | 192.7  | 195.0  | 203.8  | 249.0  | 397.4  | 867.0  | 2663.9 | 5790.0 | 6066.9 |
| 65°   | 179.2  | 179.2  | 180.1  | 184.3  | 196.4  | 253.2  | 547.3  | 2145.5 | 6267.0 | 7237.4 |
| 67.5° | 167.1  | 167.5  | 167.1  | 168.5  | 175.5  | 187.1  | 317.4  | 1481.8 | 6523.9 | 8450.2 |
| 70°   | 154.5  | 155.4  | 153.1  | 153.1  | 158.7  | 159.2  | 198.7  | 812.6  | 6310.8 | 9466.7 |
| 72.5° | 139.6  | 141.0  | 137.3  | 136.4  | 140.6  | 138.7  | 149.4  | 390.0  | 5418.2 | 9770.1 |
| 75°   | 126.6  | 128.4  | 120.1  | 117.7  | 117.7  | 116.3  | 121.5  | 200.1  | 3516.5 | 7969.9 |
| 77.5° | 115.0  | 118.7  | 105.2  | 97.7   | 95.9   | 91.7   | 99.1   | 122.4  | 1538.1 | 3741.8 |
| 80°   | 94.9   | 100.1  | 86.6   | 77.7   | 74.5   | 69.8   | 78.2   | 85.6   | 457.5  | 868.9  |
| 82.5° | 70.7   | 73.1   | 61.4   | 55.4   | 52.6   | 49.3   | 58.6   | 59.6   | 148.9  | 307.6  |
| 85°   | 45.1   | 46.1   | 37.7   | 32.6   | 31.2   | 29.8   | 37.2   | 32.6   | 56.8   | 226.2  |
| 87.5° | 15.8   | 18.2   | 14.4   | 13.0   | 14.0   | 11.6   | 17.2   | 9.8    | 15.8   | 159.6  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

1636.3  
1637.3  
1648.0  
1659.1  
1663.3  
1667.1  
1676.4  
1696.8  
1728.0  
1761.5  
1802.5  
1851.4  
1887.7  
1928.1  
1995.6  
2086.8  
2224.1  
2308.8  
2358.2  
2504.3  
2720.7  
3044.2  
3487.2  
4055.0  
4788.0  
5692.3  
6763.6  
7938.8  
9332.2  
10123.8  
8524.7  
3664.1  
832.1  
347.7  
328.6  
197.8  
0.0