

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: P939453

Luminaire Tested: **GLAN-SB2A-760-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939453  
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-SB2A-760-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

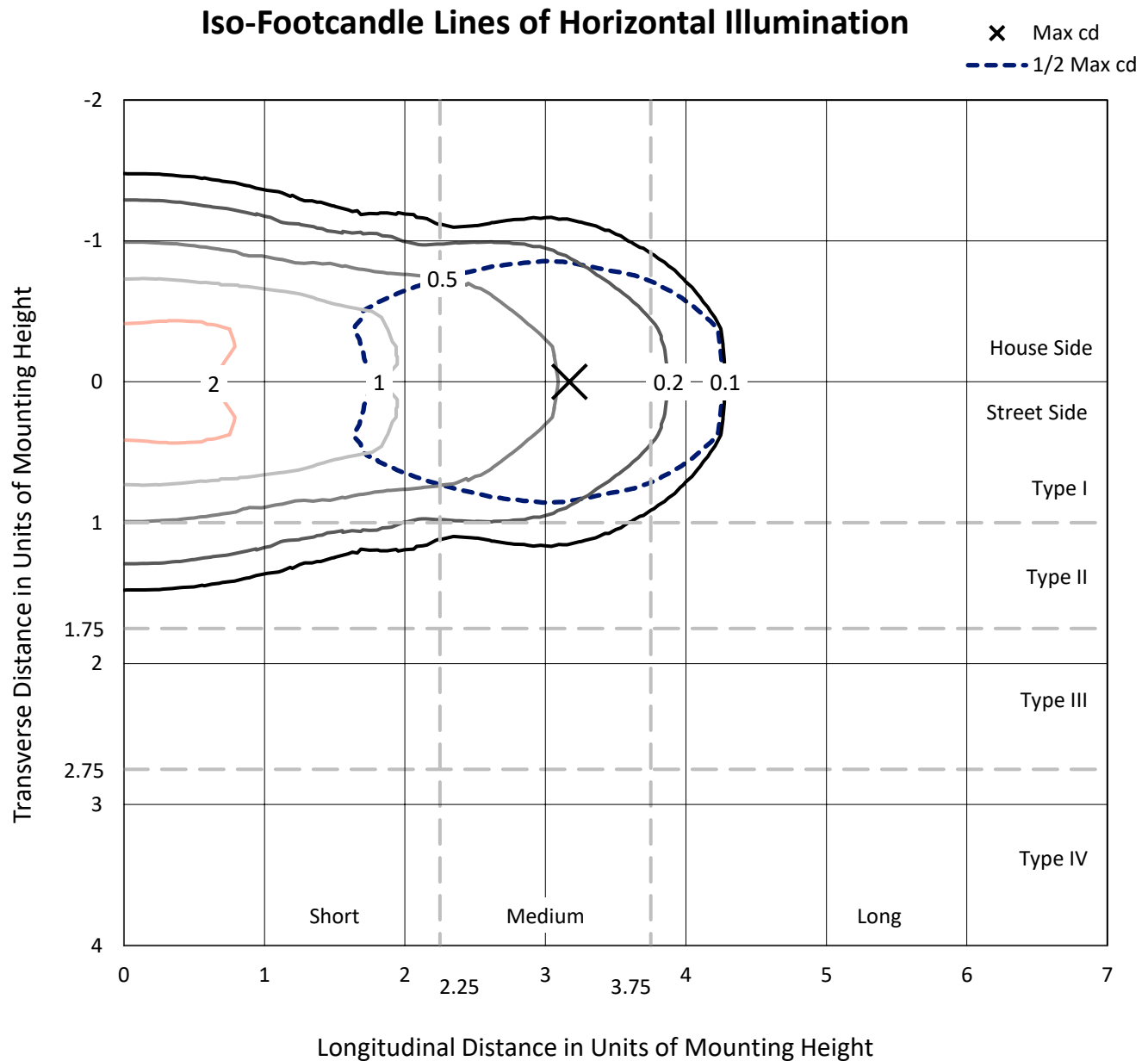
Lumens per Lamp: N/A  
Luminaire Lumens: 9389 lumens  
Efficiency: N/A  
Efficacy: 163.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 57.3  
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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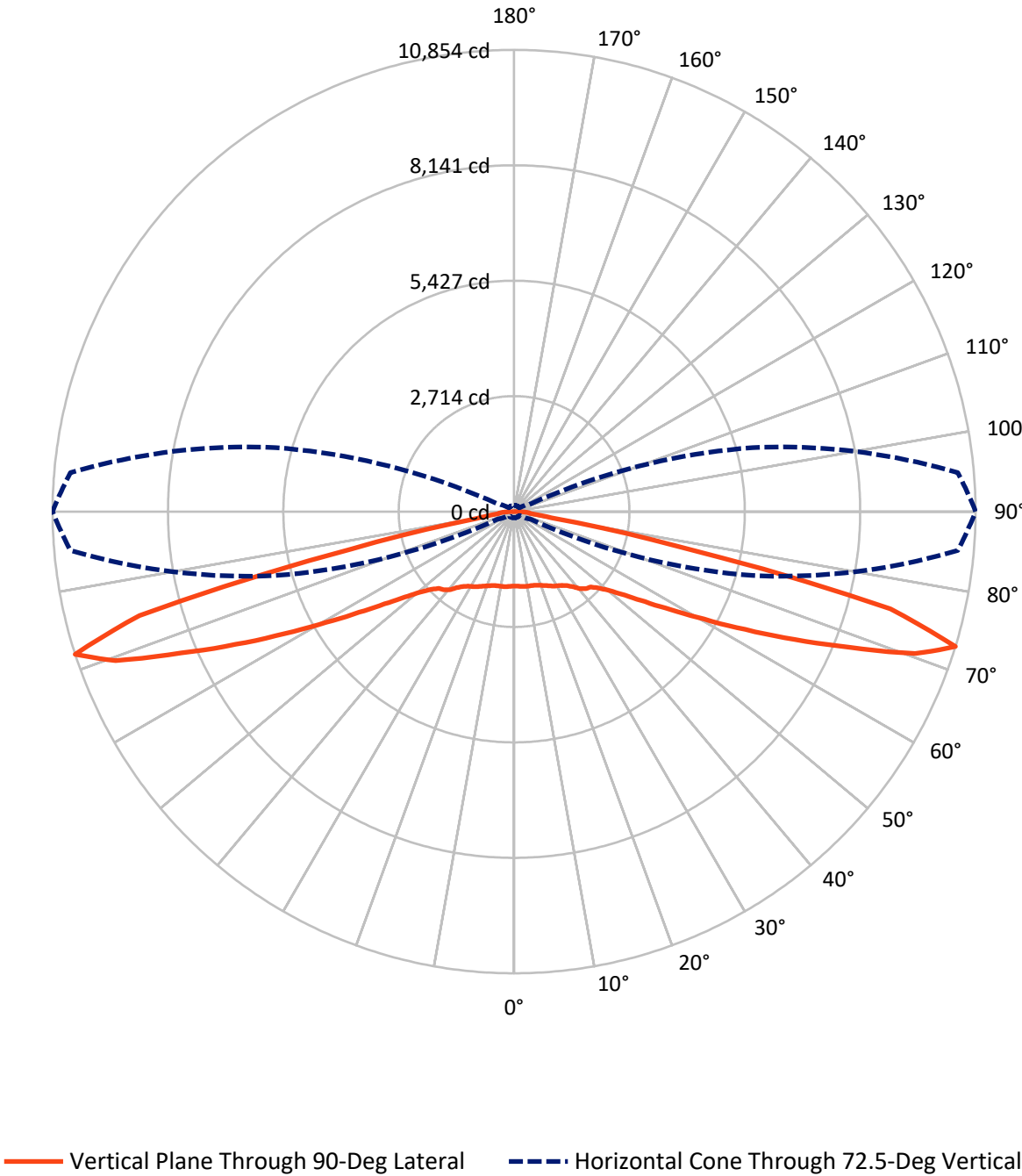


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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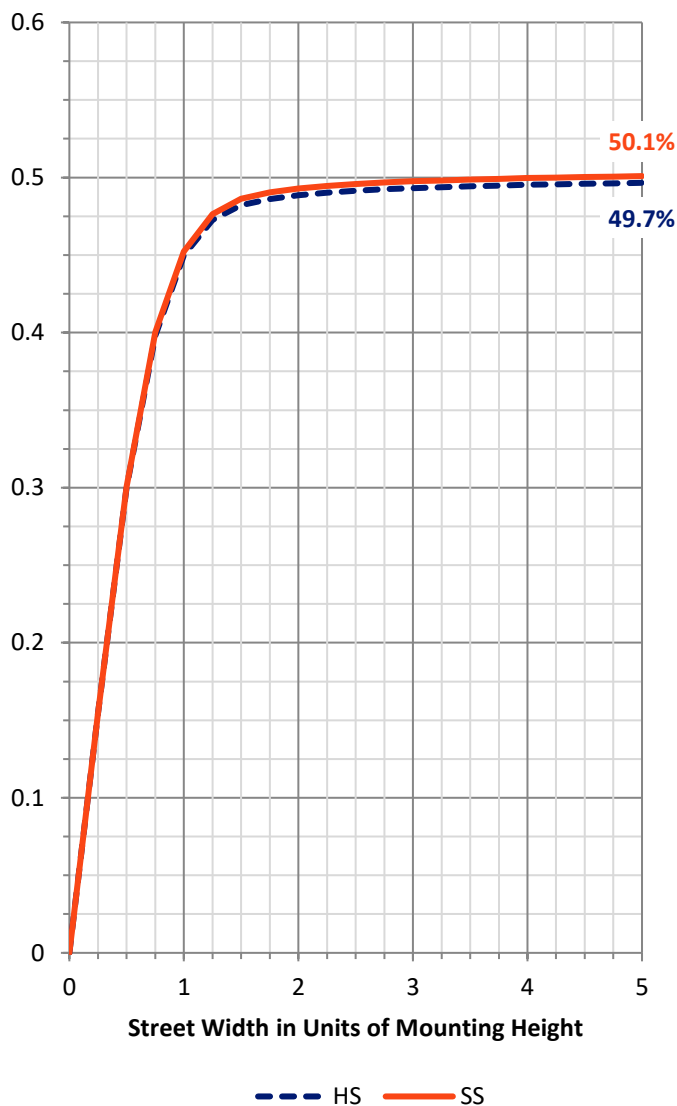
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4694.5   | 0.0    | 4694.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4694.5   | 0.0    | 4694.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9389.0   | 0.0    | 9389.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 170.1  | 1.8       |
| 10°-20°   | 520.1  | 5.5       |
| 20°-30°   | 867.3  | 9.2       |
| 30°-40°   | 1192.8 | 12.7      |
| 40°-50°   | 1456.7 | 15.5      |
| 50°-60°   | 1684.9 | 17.9      |
| 60°-70°   | 2008.9 | 21.4      |
| 70°-80°   | 1402.1 | 14.9      |
| 80°-90°   | 86.1   | 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°    | 9389.0 | 100.0     |
| 0°-180°   | 9389.0 | 100.0     |

**Coefficient of Utilization**

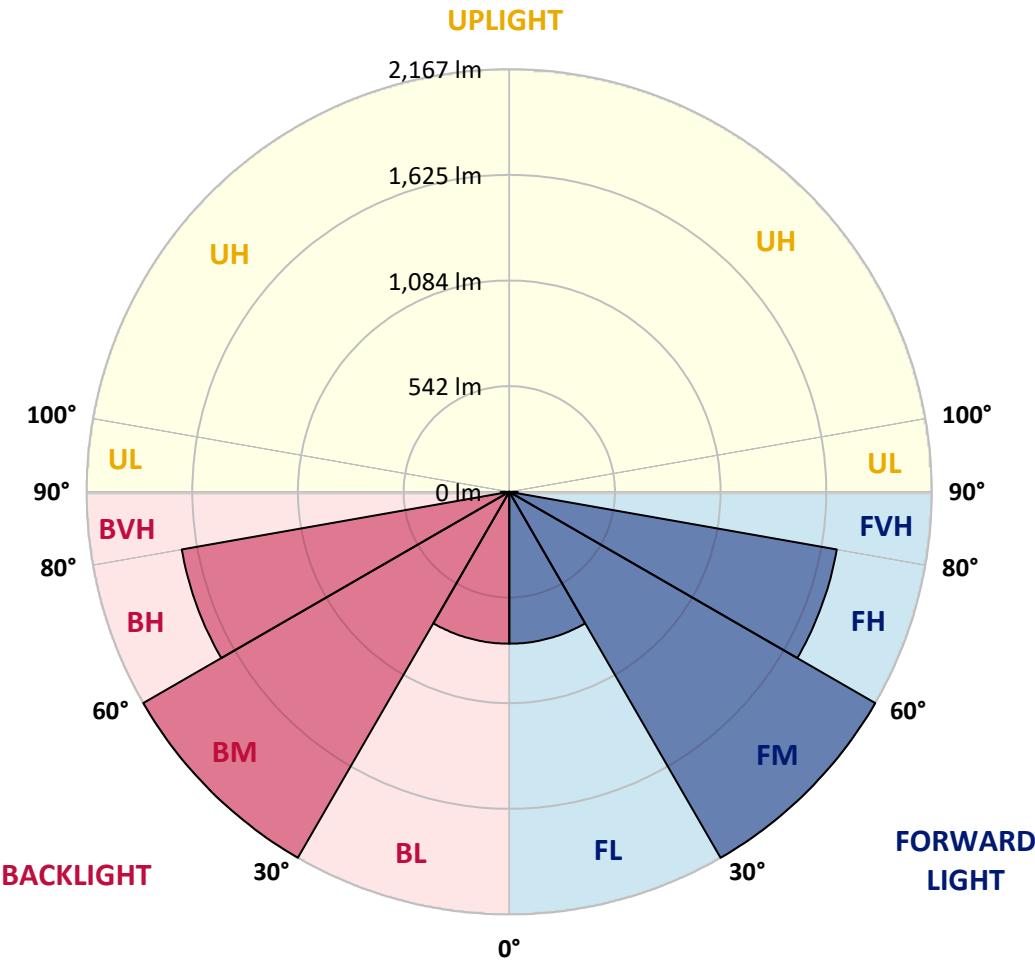


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 778.8  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 2167.2 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1705.5 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 43.1   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 778.8  | 8.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2167.2 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1705.5 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 43.1   | 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°    | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4 | 1754.4  |
| 2.5°  | 1755.9 | 1757.9 | 1757.9 | 1756.4 | 1759.9 | 1756.9 | 1756.9 | 1755.4 | 1756.9 | 1755.4  |
| 5°    | 1764.9 | 1767.4 | 1768.4 | 1767.9 | 1772.4 | 1769.9 | 1769.9 | 1767.9 | 1768.4 | 1766.9  |
| 7.5°  | 1781.9 | 1785.4 | 1787.4 | 1789.9 | 1796.3 | 1793.4 | 1791.4 | 1785.4 | 1782.9 | 1778.9  |
| 10°   | 1787.4 | 1791.4 | 1797.8 | 1810.8 | 1825.8 | 1826.3 | 1820.3 | 1805.3 | 1793.9 | 1784.9  |
| 12.5° | 1770.4 | 1775.9 | 1789.4 | 1815.8 | 1849.2 | 1862.7 | 1853.2 | 1828.3 | 1805.8 | 1789.9  |
| 15°   | 1748.9 | 1754.9 | 1775.4 | 1815.3 | 1864.7 | 1896.1 | 1895.1 | 1862.2 | 1826.3 | 1801.3  |
| 17.5° | 1715.5 | 1721.5 | 1750.9 | 1806.8 | 1876.7 | 1928.6 | 1942.6 | 1908.6 | 1858.2 | 1824.8  |
| 20°   | 1655.1 | 1660.6 | 1701.5 | 1779.9 | 1880.7 | 1963.0 | 1999.4 | 1969.5 | 1906.6 | 1861.2  |
| 22.5° | 1576.8 | 1585.3 | 1633.2 | 1733.5 | 1871.2 | 1998.9 | 2064.3 | 2043.8 | 1963.0 | 1900.1  |
| 25°   | 1493.0 | 1501.9 | 1557.8 | 1676.6 | 1846.7 | 2024.9 | 2141.1 | 2128.2 | 2026.9 | 1948.5  |
| 27.5° | 1420.6 | 1430.1 | 1491.0 | 1620.2 | 1808.8 | 2034.9 | 2217.0 | 2223.5 | 2104.2 | 2001.9  |
| 30°   | 1363.7 | 1372.7 | 1437.6 | 1574.8 | 1759.9 | 2024.9 | 2283.4 | 2328.3 | 2183.1 | 2048.3  |
| 32.5° | 1301.4 | 1312.8 | 1381.2 | 1519.4 | 1702.0 | 2000.9 | 2341.2 | 2441.5 | 2274.4 | 2098.2  |
| 35°   | 1222.5 | 1233.0 | 1304.8 | 1443.6 | 1626.2 | 1962.5 | 2389.6 | 2567.3 | 2405.1 | 2174.1  |
| 37.5° | 1126.7 | 1136.7 | 1208.0 | 1348.8 | 1550.8 | 1908.6 | 2426.6 | 2709.0 | 2560.8 | 2283.4  |
| 40°   | 1030.4 | 1039.9 | 1106.8 | 1243.0 | 1460.5 | 1839.8 | 2439.5 | 2847.7 | 2739.4 | 2433.6  |
| 42.5° | 942.1  | 950.6  | 1011.9 | 1138.7 | 1359.2 | 1751.9 | 2422.6 | 2968.5 | 2899.6 | 2538.3  |
| 45°   | 860.8  | 868.2  | 922.6  | 1040.9 | 1254.0 | 1645.2 | 2371.7 | 3098.2 | 3090.2 | 2613.2  |
| 47.5° | 767.9  | 775.4  | 831.8  | 946.1  | 1148.7 | 1519.9 | 2285.4 | 3225.9 | 3355.2 | 2782.8  |
| 50°   | 654.7  | 661.2  | 719.0  | 836.8  | 1039.4 | 1386.7 | 2165.6 | 3326.2 | 3689.5 | 3039.8  |
| 52.5° | 520.4  | 527.4  | 583.8  | 701.6  | 909.7  | 1243.5 | 2007.9 | 3391.6 | 4075.7 | 3415.1  |
| 55°   | 387.2  | 392.2  | 441.1  | 546.9  | 749.0  | 1080.3 | 1810.3 | 3410.1 | 4513.8 | 3928.0  |
| 57.5° | 280.9  | 283.9  | 315.4  | 394.2  | 567.8  | 876.2  | 1570.3 | 3362.2 | 5035.3 | 4585.7  |
| 60°   | 227.5  | 228.5  | 238.0  | 272.9  | 394.7  | 645.7  | 1280.4 | 3197.5 | 5601.1 | 5433.5  |
| 62.5° | 206.6  | 206.6  | 209.1  | 218.6  | 267.0  | 426.1  | 929.6  | 2856.2 | 6207.9 | 6504.8  |
| 65°   | 192.1  | 192.1  | 193.1  | 197.6  | 210.6  | 271.4  | 586.8  | 2300.3 | 6719.3 | 7759.7  |
| 67.5° | 179.1  | 179.6  | 179.1  | 180.6  | 188.1  | 200.6  | 340.3  | 1588.8 | 6994.8 | 9060.1  |
| 70°   | 165.7  | 166.7  | 164.2  | 164.2  | 170.2  | 170.7  | 213.1  | 871.2  | 6766.2 | 10149.9 |
| 72.5° | 149.7  | 151.2  | 147.2  | 146.2  | 150.7  | 148.7  | 160.2  | 418.2  | 5809.2 | 10475.2 |
| 75°   | 135.7  | 137.7  | 128.7  | 126.2  | 126.2  | 124.7  | 130.2  | 214.6  | 3770.3 | 8545.1  |
| 77.5° | 123.2  | 127.2  | 112.8  | 104.8  | 102.8  | 98.3   | 106.3  | 131.2  | 1649.1 | 4011.8  |
| 80°   | 101.8  | 107.3  | 92.8   | 83.3   | 79.8   | 74.8   | 83.8   | 91.8   | 490.5  | 931.6   |
| 82.5° | 75.8   | 78.3   | 65.9   | 59.4   | 56.4   | 52.9   | 62.9   | 63.9   | 159.7  | 329.8   |
| 85°   | 48.4   | 49.4   | 40.4   | 34.9   | 33.4   | 31.9   | 39.9   | 34.9   | 60.9   | 242.5   |
| 87.5° | 17.0   | 19.5   | 15.5   | 14.0   | 15.0   | 12.5   | 18.5   | 10.5   | 17.0   | 171.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

(END C

90°

1754.4  
1755.4  
1766.9  
1778.9  
1783.4  
1787.4  
1797.3  
1819.3  
1852.7  
1888.7  
1932.6  
1985.0  
2023.9  
2067.3  
2139.7  
2237.5  
2384.7  
2475.5  
2528.4  
2685.0  
2917.1  
3263.9  
3738.9  
4347.7  
5133.6  
6103.1  
7251.8  
8511.7  
10005.7  
10854.4  
9139.9  
3928.5  
892.2  
372.7  
352.3  
212.1  
0.0

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