

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: P942270

Luminaire Tested: **GLAN-SB6A-950-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

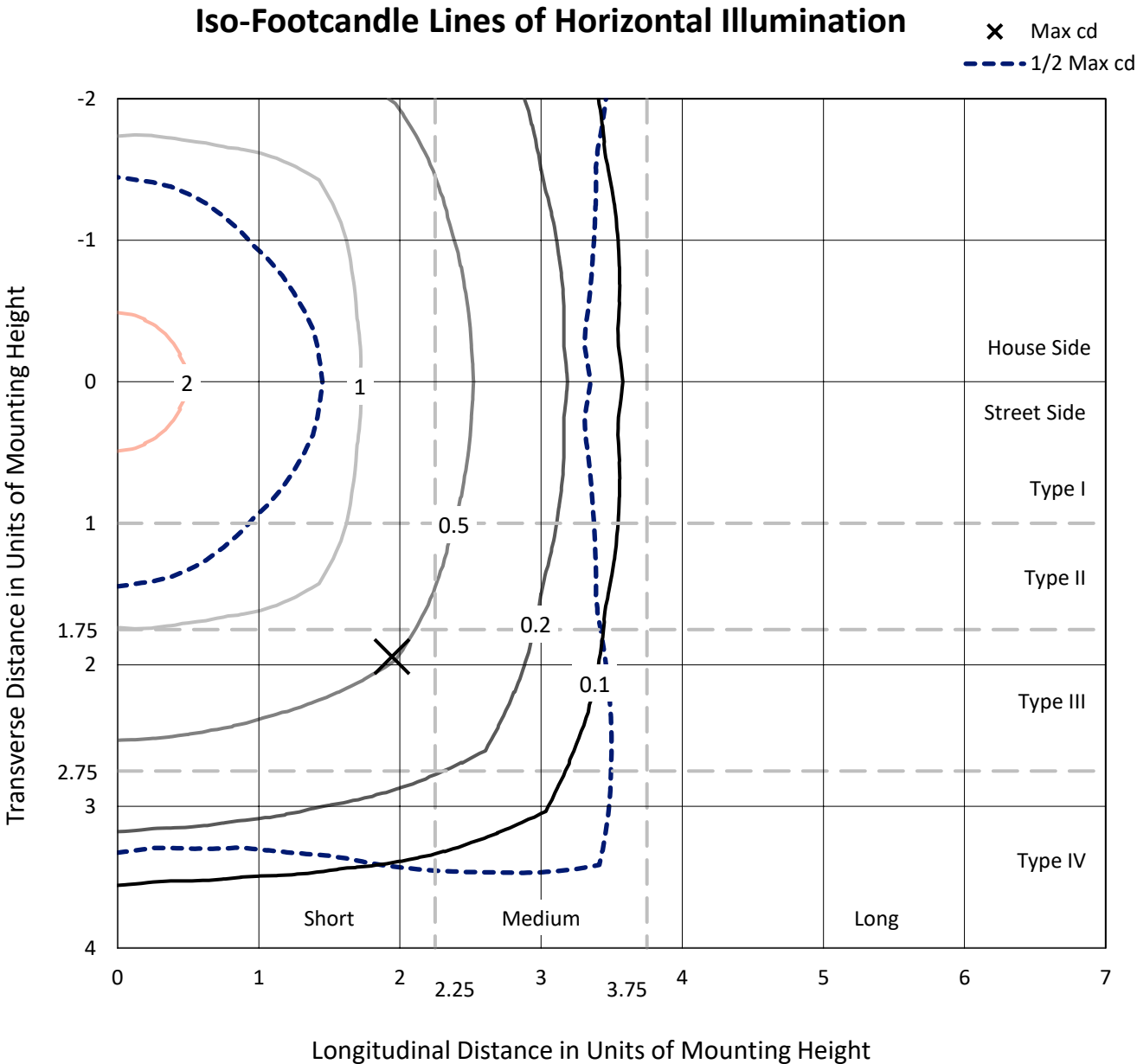
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19141 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 170.9  
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



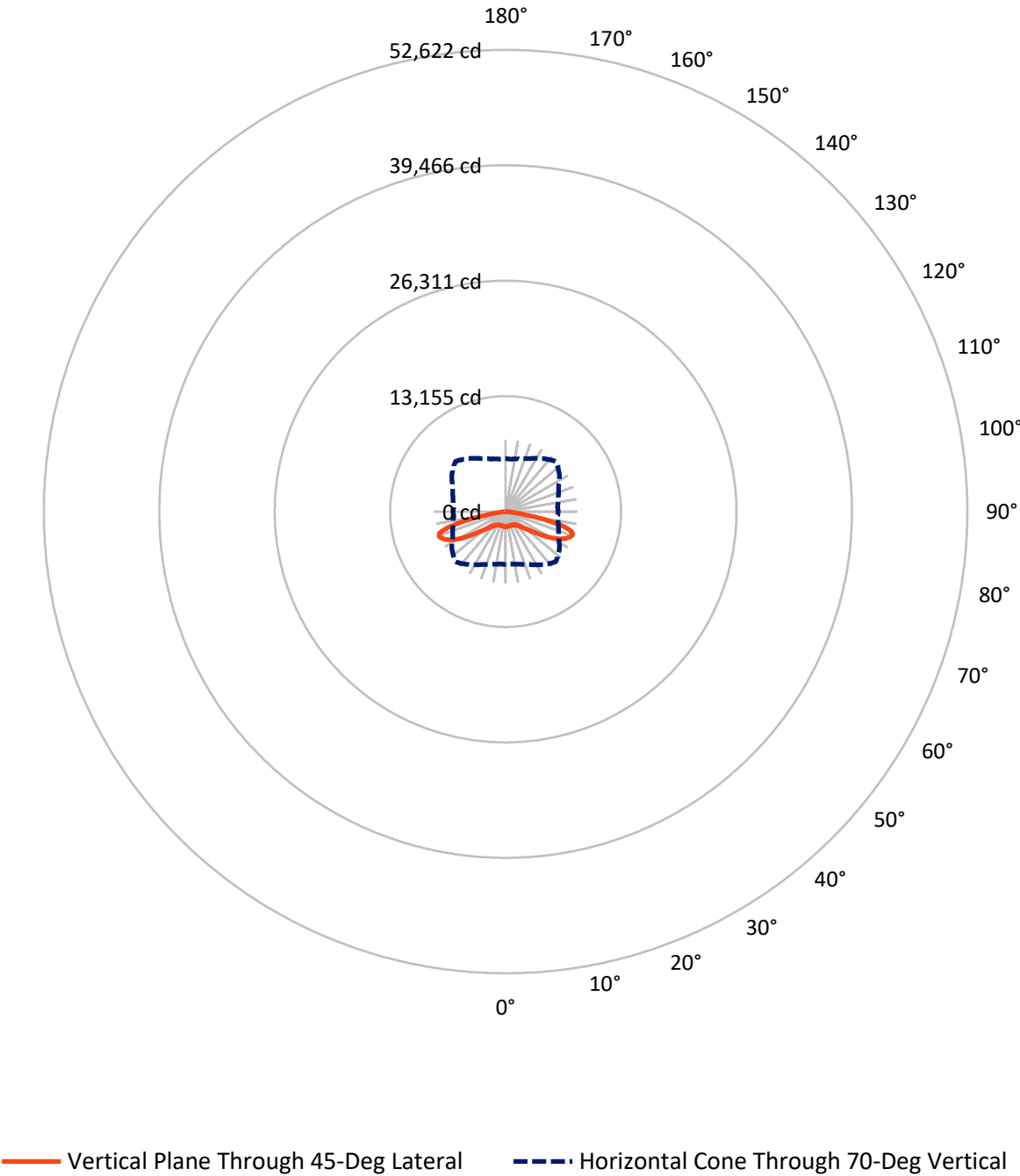
REPORT NUMBER: P942270  
CATALOG NUMBER: GLAN-SB6A-950-U-5WQ



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
Type V - Short - N/A

REPORT NUMBER: P942270  
CATALOG NUMBER: GLAN-SB6A-950-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P942270

CATALOG NUMBER: GLAN-SB6A-950-U-5WQ

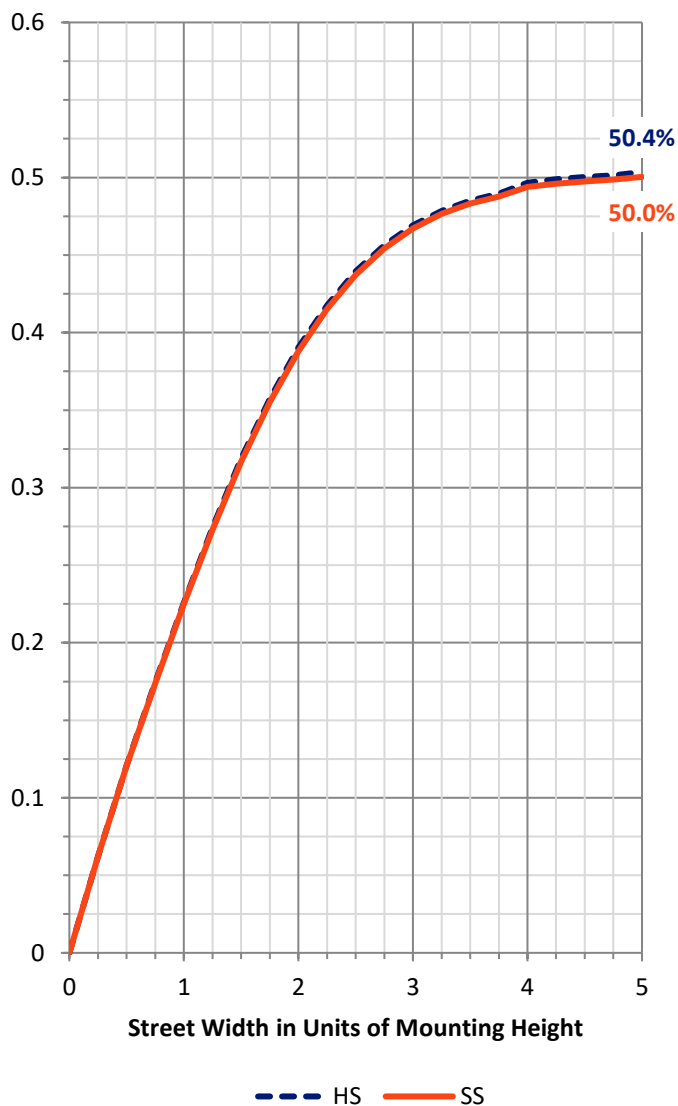
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9570.5   | 0.0    | 9570.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9570.5   | 0.0    | 9570.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19141.0  | 0.0    | 19141.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 162.4   | 0.8       |
| 10°-20°   | 476.9   | 2.5       |
| 20°-30°   | 793.7   | 4.1       |
| 30°-40°   | 1200.2  | 6.3       |
| 40°-50°   | 1994.5  | 10.4      |
| 50°-60°   | 3763.6  | 19.7      |
| 60°-70°   | 6355.0  | 33.2      |
| 70°-80°   | 4175.9  | 21.8      |
| 80°-90°   | 218.8   | 1.1       |
| 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°    | 19141.0 | 100.0     |
| 0°-180°   | 19141.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942270

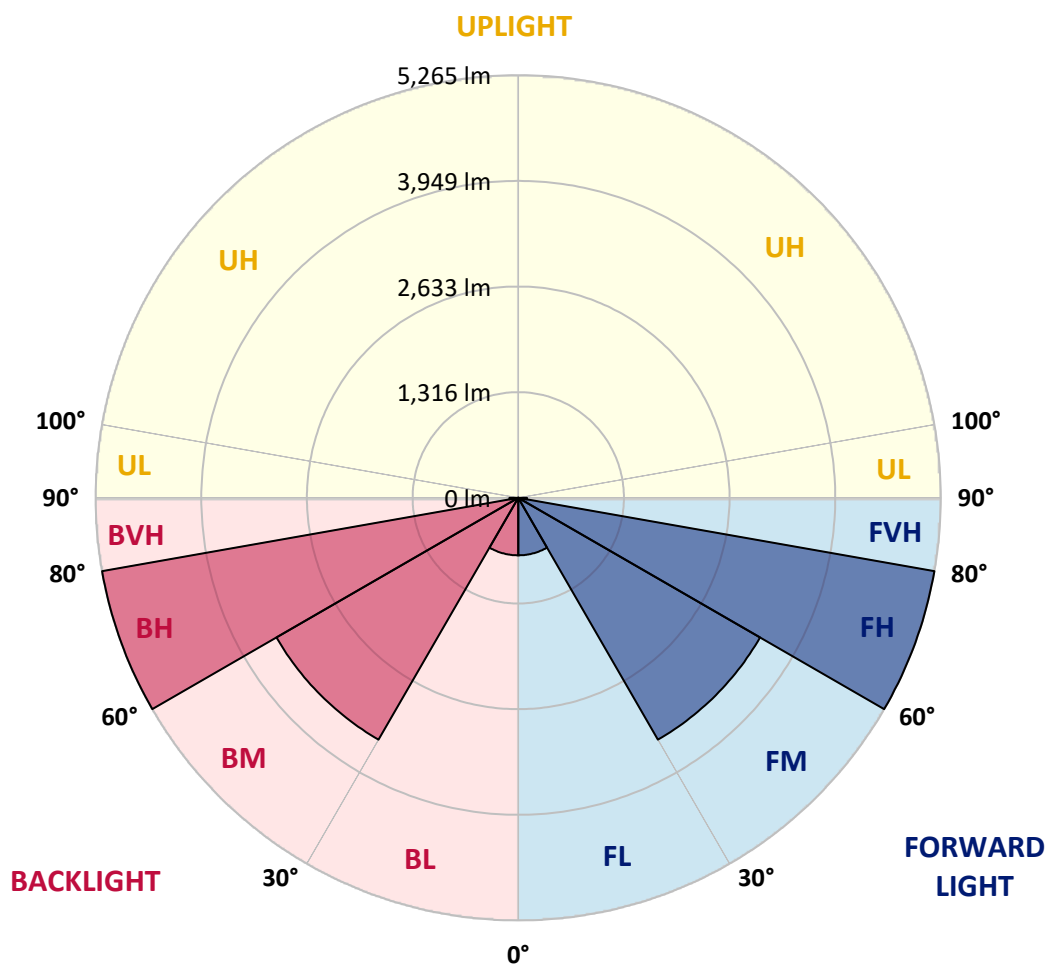
CATALOG NUMBER: GLAN-SB6A-950-U-5WQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 716.5  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 3479.2 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 5265.4 | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 109.4  | 0.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 716.5  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3479.2 | 18.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 5265.4 | 27.5      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 109.4  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



REPORT NUMBER: P942270

CATALOG NUMBER: GLAN-SB6A-950-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 | 1746.0 |
| 2.5°  | 1735.1 | 1740.1 | 1738.1 | 1734.1 | 1734.1 | 1731.1 | 1734.1 | 1736.1 | 1739.1 | 1741.1 |
| 5°    | 1712.2 | 1716.2 | 1715.2 | 1712.2 | 1713.2 | 1710.2 | 1712.2 | 1715.2 | 1717.2 | 1718.2 |
| 7.5°  | 1692.3 | 1696.3 | 1694.3 | 1689.3 | 1689.3 | 1686.4 | 1687.3 | 1690.3 | 1693.3 | 1694.3 |
| 10°   | 1687.3 | 1691.3 | 1685.4 | 1677.4 | 1674.4 | 1670.4 | 1671.4 | 1674.4 | 1680.4 | 1683.4 |
| 12.5° | 1689.3 | 1692.3 | 1686.4 | 1674.4 | 1671.4 | 1667.4 | 1667.4 | 1670.4 | 1678.4 | 1682.4 |
| 15°   | 1695.3 | 1698.3 | 1689.3 | 1676.4 | 1673.4 | 1670.4 | 1669.4 | 1673.4 | 1682.4 | 1689.3 |
| 17.5° | 1706.2 | 1709.2 | 1695.3 | 1677.4 | 1673.4 | 1674.4 | 1673.4 | 1676.4 | 1690.3 | 1703.3 |
| 20°   | 1716.2 | 1718.2 | 1699.3 | 1677.4 | 1673.4 | 1674.4 | 1673.4 | 1679.4 | 1697.3 | 1715.2 |
| 22.5° | 1719.2 | 1721.2 | 1703.3 | 1684.4 | 1681.4 | 1682.4 | 1681.4 | 1687.3 | 1704.3 | 1722.2 |
| 25°   | 1720.2 | 1723.2 | 1709.2 | 1694.3 | 1699.3 | 1701.3 | 1699.3 | 1700.3 | 1713.2 | 1729.1 |
| 27.5° | 1735.1 | 1739.1 | 1726.1 | 1713.2 | 1716.2 | 1715.2 | 1718.2 | 1721.2 | 1731.1 | 1747.0 |
| 30°   | 1765.9 | 1768.9 | 1758.0 | 1745.0 | 1743.1 | 1736.1 | 1745.0 | 1755.0 | 1765.9 | 1779.9 |
| 32.5° | 1816.7 | 1822.7 | 1808.7 | 1794.8 | 1785.8 | 1781.9 | 1788.8 | 1805.7 | 1820.7 | 1835.6 |
| 35°   | 1901.2 | 1905.2 | 1892.3 | 1866.4 | 1850.5 | 1850.5 | 1856.5 | 1878.4 | 1902.2 | 1921.1 |
| 37.5° | 2020.6 | 2025.6 | 2002.7 | 1971.9 | 1948.0 | 1948.0 | 1956.0 | 1978.9 | 2014.7 | 2041.5 |
| 40°   | 2165.9 | 2172.9 | 2144.0 | 2112.2 | 2089.3 | 2085.3 | 2095.3 | 2121.1 | 2154.9 | 2188.8 |
| 42.5° | 2341.0 | 2349.0 | 2311.1 | 2283.3 | 2265.4 | 2265.4 | 2270.4 | 2294.2 | 2325.1 | 2366.9 |
| 45°   | 2564.8 | 2578.8 | 2527.0 | 2499.2 | 2482.3 | 2486.2 | 2489.2 | 2510.1 | 2538.0 | 2585.7 |
| 47.5° | 2831.5 | 2845.4 | 2790.7 | 2761.8 | 2758.8 | 2777.8 | 2765.8 | 2780.7 | 2795.7 | 2850.4 |
| 50°   | 3133.9 | 3157.8 | 3120.0 | 3118.0 | 3124.0 | 3158.8 | 3130.9 | 3138.9 | 3122.0 | 3156.8 |
| 52.5° | 3504.0 | 3538.8 | 3531.9 | 3543.8 | 3610.5 | 3682.1 | 3618.4 | 3590.6 | 3526.9 | 3537.9 |
| 55°   | 3952.7 | 4005.5 | 4015.4 | 4087.0 | 4238.3 | 4384.5 | 4249.2 | 4136.8 | 4001.5 | 3976.6 |
| 57.5° | 4463.1 | 4504.9 | 4552.6 | 4698.9 | 4981.5 | 5241.1 | 4981.5 | 4732.7 | 4519.8 | 4469.1 |
| 60°   | 5012.3 | 5064.0 | 5109.8 | 5325.7 | 5745.5 | 6110.7 | 5737.6 | 5342.6 | 5061.0 | 4992.4 |
| 62.5° | 5602.3 | 5668.9 | 5700.8 | 5940.5 | 6430.0 | 6865.8 | 6437.0 | 5958.4 | 5646.0 | 5572.4 |
| 65°   | 6168.4 | 6223.1 | 6258.9 | 6514.6 | 6982.2 | 7418.9 | 7014.0 | 6542.4 | 6221.1 | 6124.6 |
| 67.5° | 6432.0 | 6461.9 | 6549.4 | 6838.9 | 7332.4 | 7830.8 | 7416.0 | 6869.8 | 6510.6 | 6341.5 |
| 70°   | 6046.0 | 5985.3 | 6196.2 | 6659.8 | 7374.2 | 8083.5 | 7469.7 | 6645.9 | 6206.2 | 5931.6 |
| 72.5° | 4672.0 | 4567.6 | 4933.7 | 5726.6 | 6896.6 | 7922.4 | 6944.4 | 5771.4 | 5161.5 | 4604.4 |
| 75°   | 2542.0 | 2423.6 | 2929.0 | 3931.8 | 5499.8 | 6866.8 | 5626.1 | 4044.3 | 3261.3 | 2523.1 |
| 77.5° | 717.3  | 672.6  | 1080.5 | 1902.2 | 3308.0 | 4821.3 | 3435.4 | 1944.0 | 1281.4 | 760.1  |
| 80°   | 219.9  | 212.9  | 288.5  | 573.1  | 1404.8 | 2309.2 | 1350.1 | 580.0  | 367.1  | 231.8  |
| 82.5° | 130.3  | 119.4  | 143.3  | 208.9  | 358.2  | 725.3  | 348.2  | 217.9  | 175.1  | 117.4  |
| 85°   | 74.6   | 69.6   | 84.6   | 101.5  | 120.4  | 154.2  | 100.5  | 103.5  | 93.5   | 62.7   |
| 87.5° | 30.8   | 27.9   | 32.8   | 31.8   | 27.9   | 35.8   | 26.9   | 31.8   | 37.8   | 24.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1746.0 |
| 1740.1 |
| 1718.2 |
| 1694.3 |
| 1683.4 |
| 1683.4 |
| 1690.3 |
| 1703.3 |
| 1716.2 |
| 1722.2 |
| 1728.1 |
| 1743.1 |
| 1776.9 |
| 1829.6 |
| 1914.2 |
| 2031.6 |
| 2177.8 |
| 2363.9 |
| 2583.7 |
| 2834.5 |
| 3135.9 |
| 3501.0 |
| 3937.8 |
| 4433.3 |
| 4932.7 |
| 5512.7 |
| 6076.8 |
| 6343.5 |
| 5997.2 |
| 4742.7 |
| 2687.2 |
| 844.7  |
| 244.7  |
| 127.3  |
| 65.7   |
| 22.9   |
| 0.0    |