

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: P948148

Luminaire Tested: **GLAN-SB3B-750-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18719 lumens  
Efficiency: N/A  
Efficacy: 171.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 109.2  
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: 24 FT

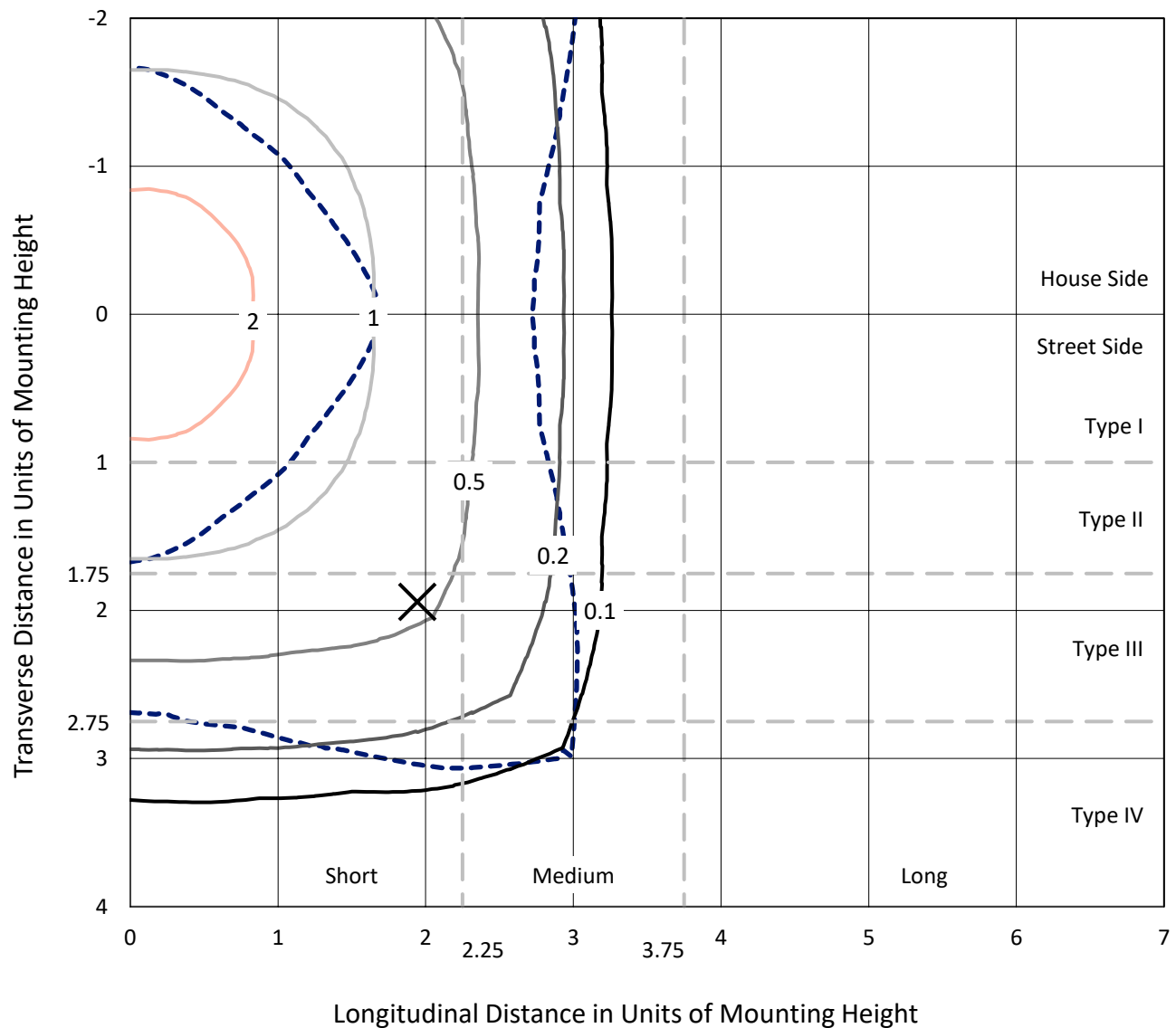


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## Iso-Footcandle Lines of Horizontal Illumination

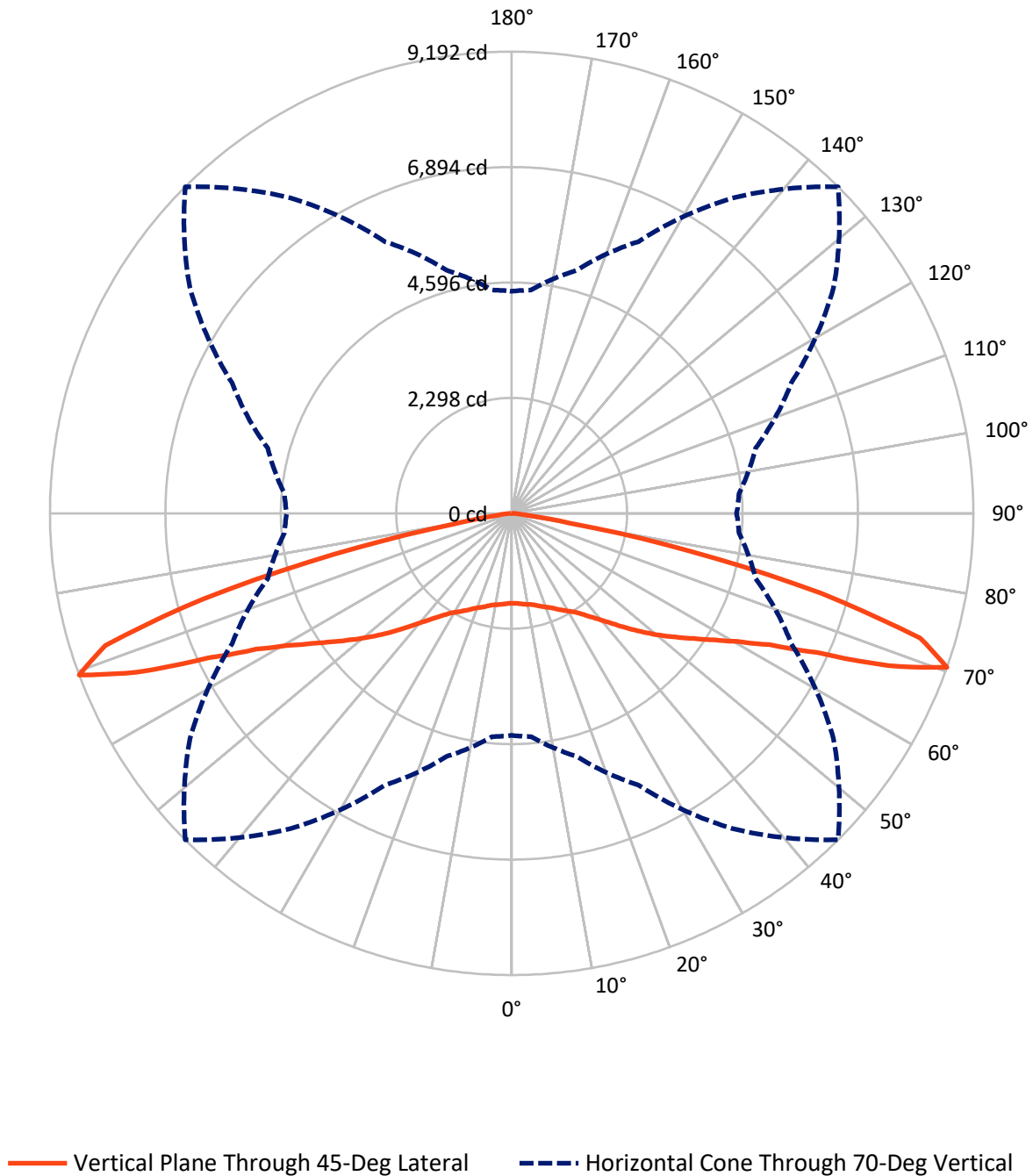
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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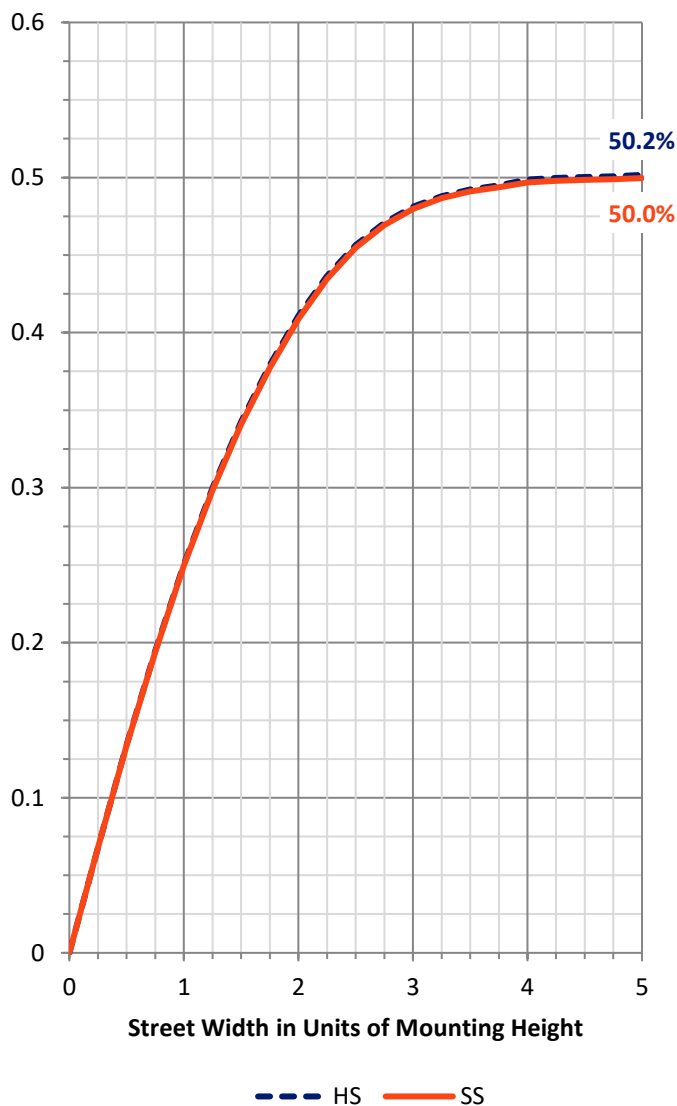
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9359.5   | 0.0    | 9359.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9359.5   | 0.0    | 9359.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 18719.0  | 0.0    | 18719.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 174.2   | 0.9       |
| 10°-20°   | 540.2   | 2.9       |
| 20°-30°   | 965.3   | 5.2       |
| 30°-40°   | 1564.8  | 8.4       |
| 40°-50°   | 2548.8  | 13.6      |
| 50°-60°   | 3886.1  | 20.8      |
| 60°-70°   | 5781.3  | 30.9      |
| 70°-80°   | 3151.0  | 16.8      |
| 80°-90°   | 107.3   | 0.6       |
| 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°    | 18719.0 | 100.0     |
| 0°-180°   | 18719.0 | 100.0     |

**Coefficient of Utilization**



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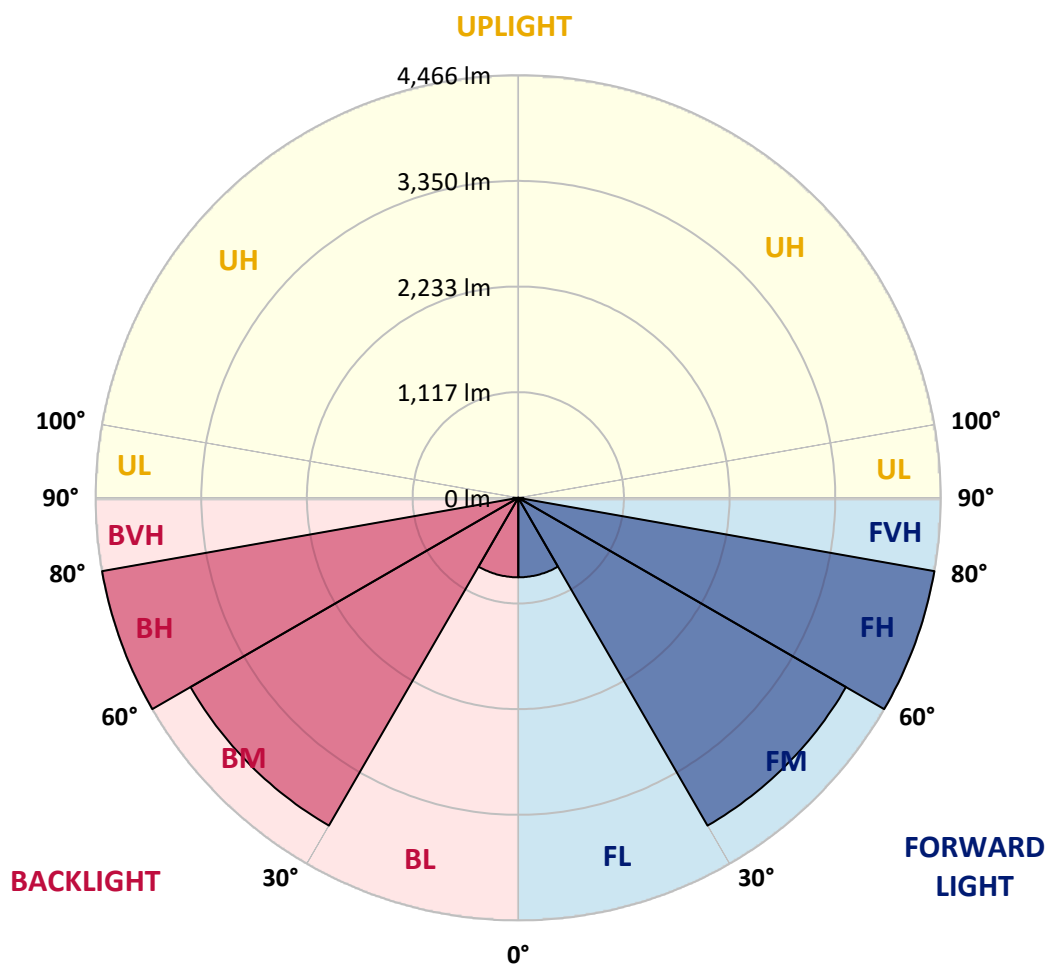
CATALOG NUMBER: GLAN-SB3B-750-U-5MQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 839.9  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 3999.9 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 4466.1 | 23.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 53.7   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 839.9  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3999.9 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 4466.1 | 23.9      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 53.7   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 | 1793.1 |
| 2.5°  | 1801.5 | 1803.4 | 1799.7 | 1797.8 | 1795.9 | 1793.1 | 1794.0 | 1798.7 | 1802.5 | 1801.5 |
| 5°    | 1816.6 | 1818.5 | 1815.6 | 1814.7 | 1810.9 | 1810.0 | 1810.0 | 1814.7 | 1817.5 | 1815.6 |
| 7.5°  | 1833.5 | 1836.3 | 1831.6 | 1830.7 | 1828.8 | 1826.9 | 1826.0 | 1830.7 | 1833.5 | 1833.5 |
| 10°   | 1849.5 | 1852.3 | 1848.5 | 1845.7 | 1843.8 | 1843.8 | 1842.0 | 1845.7 | 1850.4 | 1849.5 |
| 12.5° | 1866.4 | 1868.3 | 1864.5 | 1862.6 | 1862.6 | 1865.4 | 1862.6 | 1864.5 | 1868.3 | 1866.4 |
| 15°   | 1887.1 | 1888.0 | 1887.1 | 1889.9 | 1894.6 | 1904.0 | 1895.5 | 1893.6 | 1895.5 | 1890.8 |
| 17.5° | 1915.3 | 1917.1 | 1920.9 | 1927.5 | 1934.1 | 1951.0 | 1935.9 | 1931.2 | 1931.2 | 1921.8 |
| 20°   | 1950.0 | 1952.8 | 1958.5 | 1969.8 | 1978.2 | 1994.2 | 1979.2 | 1972.6 | 1969.8 | 1957.5 |
| 22.5° | 1986.7 | 1991.4 | 1999.8 | 2014.9 | 2029.9 | 2044.9 | 2029.9 | 2018.6 | 2010.2 | 1994.2 |
| 25°   | 2029.0 | 2034.6 | 2047.8 | 2072.2 | 2092.9 | 2114.5 | 2096.6 | 2074.1 | 2057.2 | 2034.6 |
| 27.5° | 2089.1 | 2095.7 | 2111.7 | 2141.7 | 2168.1 | 2186.9 | 2169.9 | 2140.8 | 2117.3 | 2090.1 |
| 30°   | 2173.7 | 2180.3 | 2199.1 | 2231.0 | 2248.9 | 2261.1 | 2249.8 | 2227.3 | 2199.1 | 2168.1 |
| 32.5° | 2282.7 | 2291.2 | 2311.8 | 2341.9 | 2345.7 | 2347.6 | 2343.8 | 2332.5 | 2311.8 | 2274.3 |
| 35°   | 2420.9 | 2430.3 | 2453.7 | 2478.2 | 2474.4 | 2478.2 | 2472.5 | 2468.8 | 2453.7 | 2410.5 |
| 37.5° | 2590.0 | 2601.3 | 2625.7 | 2644.5 | 2635.1 | 2630.4 | 2631.4 | 2632.3 | 2623.8 | 2575.9 |
| 40°   | 2786.4 | 2801.5 | 2819.3 | 2839.1 | 2823.1 | 2809.0 | 2818.4 | 2825.9 | 2818.4 | 2769.5 |
| 42.5° | 2988.5 | 3010.1 | 3028.9 | 3057.1 | 3043.9 | 3026.1 | 3039.2 | 3047.7 | 3031.7 | 2979.1 |
| 45°   | 3213.1 | 3233.8 | 3258.2 | 3300.5 | 3291.1 | 3272.3 | 3291.1 | 3293.0 | 3265.7 | 3203.7 |
| 47.5° | 3445.2 | 3466.8 | 3503.5 | 3559.9 | 3556.1 | 3535.4 | 3559.9 | 3546.7 | 3511.9 | 3437.7 |
| 50°   | 3665.1 | 3695.2 | 3751.6 | 3830.5 | 3838.0 | 3812.7 | 3845.6 | 3820.2 | 3761.9 | 3668.9 |
| 52.5° | 3871.9 | 3903.8 | 3993.1 | 4100.2 | 4127.5 | 4094.6 | 4138.8 | 4094.6 | 4007.2 | 3887.8 |
| 55°   | 4089.0 | 4124.7 | 4230.9 | 4370.9 | 4425.4 | 4401.0 | 4442.3 | 4375.6 | 4251.5 | 4106.8 |
| 57.5° | 4344.6 | 4366.2 | 4493.1 | 4659.4 | 4751.5 | 4757.1 | 4775.9 | 4663.2 | 4512.8 | 4348.3 |
| 60°   | 4621.8 | 4651.9 | 4790.0 | 4989.3 | 5134.9 | 5181.9 | 5162.2 | 4994.9 | 4820.1 | 4631.2 |
| 62.5° | 4977.0 | 5009.9 | 5175.3 | 5414.0 | 5644.3 | 5760.8 | 5683.7 | 5441.3 | 5225.1 | 4998.7 |
| 65°   | 5271.2 | 5307.8 | 5606.7 | 6032.4 | 6451.5 | 6685.5 | 6492.0 | 6045.6 | 5656.5 | 5337.0 |
| 67.5° | 5057.9 | 5103.0 | 5571.9 | 6353.8 | 7396.0 | 8094.3 | 7431.7 | 6449.7 | 5687.5 | 5254.3 |
| 70°   | 4420.7 | 4463.0 | 5009.9 | 5965.7 | 7662.0 | 9191.9 | 7821.7 | 6141.4 | 5027.8 | 4542.9 |
| 72.5° | 2934.9 | 3071.2 | 3624.7 | 4771.2 | 6841.5 | 8505.9 | 6909.2 | 4674.4 | 3362.5 | 2928.3 |
| 75°   | 973.6  | 1082.6 | 1460.4 | 2473.5 | 4582.3 | 6361.3 | 4362.4 | 2188.7 | 1156.9 | 832.6  |
| 77.5° | 245.3  | 282.9  | 390.0  | 707.6  | 1827.9 | 3621.9 | 1645.5 | 578.0  | 314.8  | 219.9  |
| 80°   | 119.4  | 131.6  | 188.0  | 235.9  | 457.7  | 1151.2 | 429.5  | 221.8  | 148.5  | 114.7  |
| 82.5° | 65.8   | 66.7   | 106.2  | 133.4  | 170.1  | 297.9  | 176.7  | 129.7  | 85.5   | 69.5   |
| 85°   | 40.4   | 39.5   | 56.4   | 71.4   | 71.4   | 106.2  | 84.6   | 71.4   | 48.9   | 43.2   |
| 87.5° | 16.0   | 16.0   | 20.7   | 22.6   | 19.7   | 27.3   | 21.6   | 23.5   | 18.8   | 17.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1793.1 |
| 1802.5 |
| 1816.6 |
| 1833.5 |
| 1849.5 |
| 1865.4 |
| 1890.8 |
| 1921.8 |
| 1957.5 |
| 1993.3 |
| 2033.7 |
| 2089.1 |
| 2168.1 |
| 2275.2 |
| 2410.5 |
| 2575.9 |
| 2769.5 |
| 2982.8 |
| 3210.3 |
| 3433.0 |
| 3667.0 |
| 3876.6 |
| 4087.1 |
| 4325.8 |
| 4601.1 |
| 4959.2 |
| 5284.3 |
| 5189.4 |
| 4478.0 |
| 2833.4 |
| 787.5  |
| 196.4  |
| 105.3  |
| 69.5   |
| 45.1   |
| 18.8   |
| 0.0    |