

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: P950101

Luminaire Tested: **GLAN-SB4C-930-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950101  
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-SB4C-930-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21866 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 200.7  
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

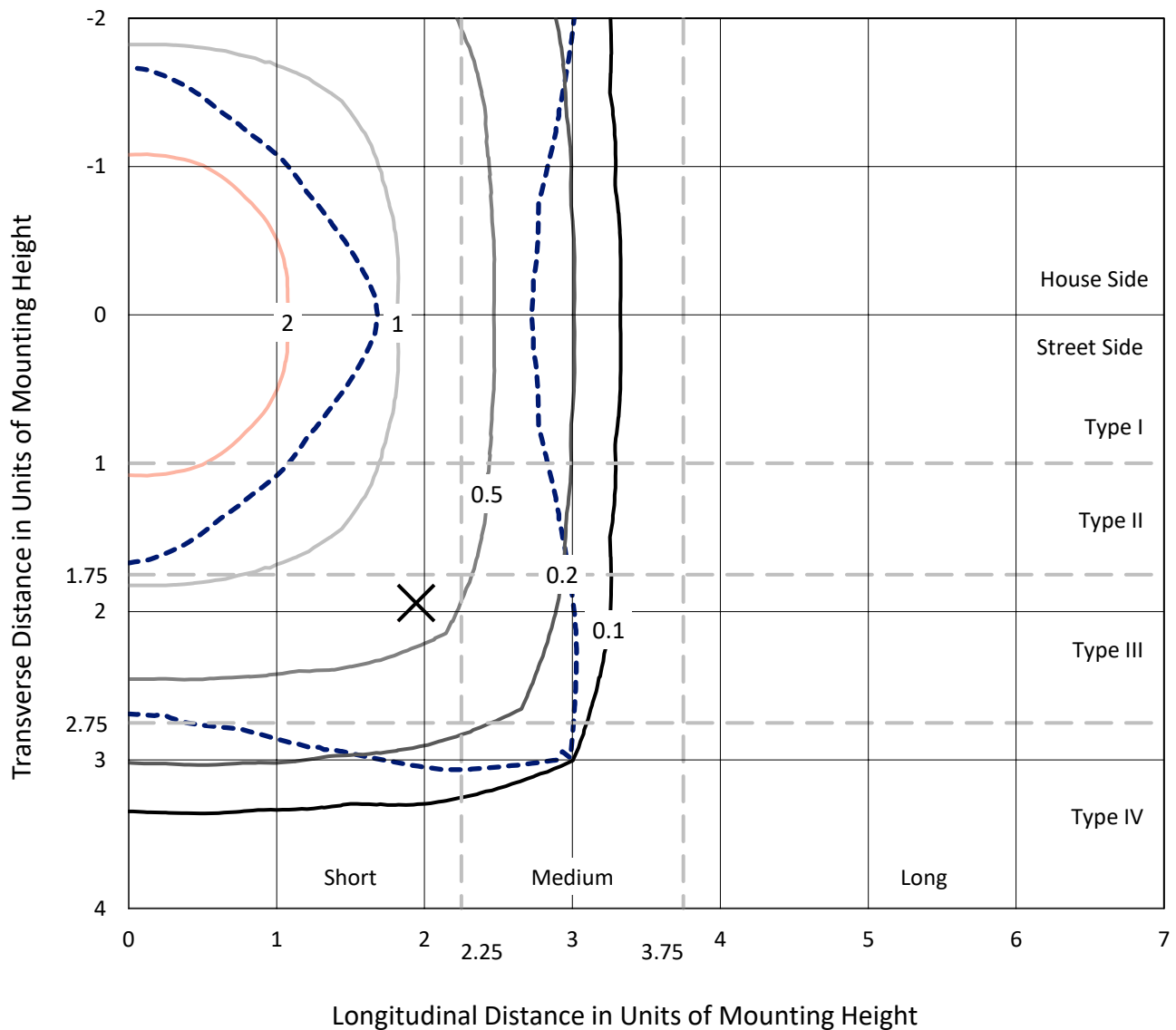


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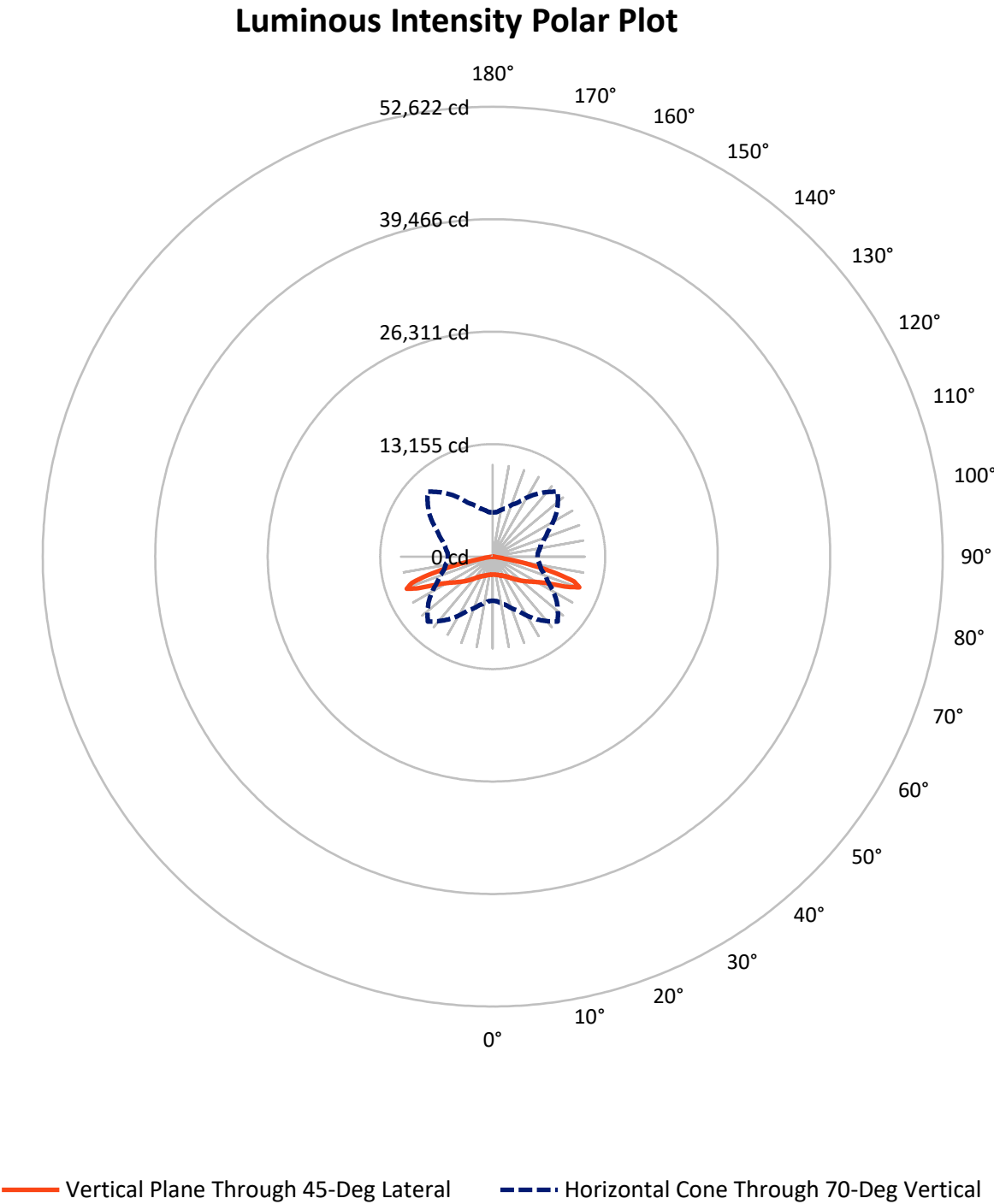
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
Type V - Short - N/A

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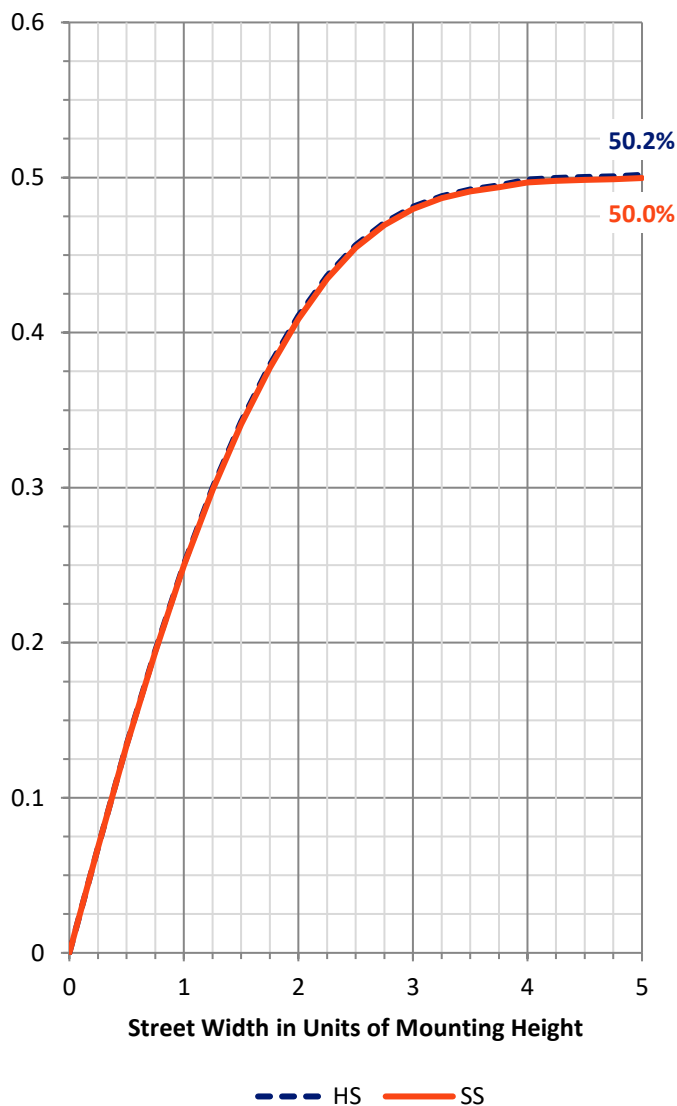
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10933.0  | 0.0    | 10933.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10933.0  | 0.0    | 10933.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21866.0  | 0.0    | 21866.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 203.5   | 0.9       |
| 10°-20°   | 631.0   | 2.9       |
| 20°-30°   | 1127.6  | 5.2       |
| 30°-40°   | 1827.9  | 8.4       |
| 40°-50°   | 2977.3  | 13.6      |
| 50°-60°   | 4539.4  | 20.8      |
| 60°-70°   | 6753.2  | 30.9      |
| 70°-80°   | 3680.7  | 16.8      |
| 80°-90°   | 125.3   | 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°    | 21866.0 | 100.0     |
| 0°-180°   | 21866.0 | 100.0     |

**Coefficient of Utilization**



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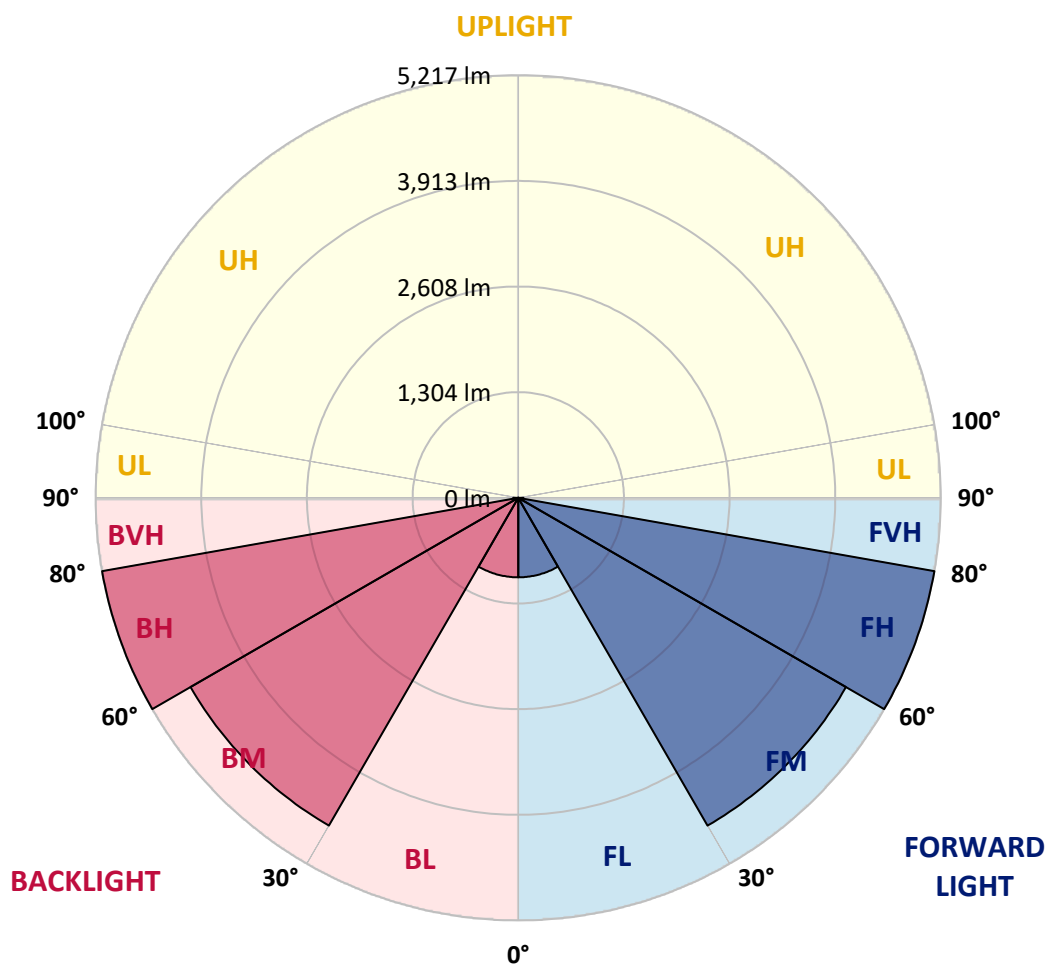
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 981.1  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 4672.3 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 5217.0 | 23.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 62.7   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 981.1  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4672.3 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 5217.0 | 23.9      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 62.7   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| 0°    | 2094.5 | 2094.5 | 2094.5 | 2094.5 | 2094.5 | 2094.5  | 2094.5 | 2094.5 | 2094.5 | 2094.5 |
| 2.5°  | 2104.4 | 2106.6 | 2102.2 | 2100.0 | 2097.8 | 2094.5  | 2095.6 | 2101.1 | 2105.5 | 2104.4 |
| 5°    | 2122.0 | 2124.2 | 2120.9 | 2119.8 | 2115.4 | 2114.3  | 2114.3 | 2119.8 | 2123.1 | 2120.9 |
| 7.5°  | 2141.7 | 2145.0 | 2139.5 | 2138.4 | 2136.3 | 2134.1  | 2133.0 | 2138.4 | 2141.7 | 2141.7 |
| 10°   | 2160.4 | 2163.7 | 2159.3 | 2156.0 | 2153.8 | 2153.8  | 2151.6 | 2156.0 | 2161.5 | 2160.4 |
| 12.5° | 2180.2 | 2182.4 | 2178.0 | 2175.8 | 2175.8 | 2179.1  | 2175.8 | 2178.0 | 2182.4 | 2180.2 |
| 15°   | 2204.3 | 2205.4 | 2204.3 | 2207.6 | 2213.1 | 2224.1  | 2214.2 | 2212.0 | 2214.2 | 2208.7 |
| 17.5° | 2237.2 | 2239.4 | 2243.8 | 2251.5 | 2259.2 | 2279.0  | 2261.4 | 2255.9 | 2255.9 | 2244.9 |
| 20°   | 2277.9 | 2281.2 | 2287.7 | 2300.9 | 2310.8 | 2329.5  | 2311.9 | 2304.2 | 2300.9 | 2286.6 |
| 22.5° | 2320.7 | 2326.2 | 2336.0 | 2353.6 | 2371.2 | 2388.7  | 2371.2 | 2358.0 | 2348.1 | 2329.5 |
| 25°   | 2370.1 | 2376.7 | 2392.0 | 2420.6 | 2444.7 | 2470.0  | 2449.1 | 2422.8 | 2403.0 | 2376.7 |
| 27.5° | 2440.3 | 2448.0 | 2466.7 | 2501.8 | 2532.5 | 2554.5  | 2534.7 | 2500.7 | 2473.3 | 2441.4 |
| 30°   | 2539.1 | 2546.8 | 2568.8 | 2606.1 | 2627.0 | 2641.2  | 2628.1 | 2601.7 | 2568.8 | 2532.5 |
| 32.5° | 2666.5 | 2676.4 | 2700.5 | 2735.6 | 2740.0 | 2742.2  | 2737.8 | 2724.7 | 2700.5 | 2656.6 |
| 35°   | 2827.8 | 2838.8 | 2866.3 | 2894.8 | 2890.4 | 2894.8  | 2888.2 | 2883.8 | 2866.3 | 2815.8 |
| 37.5° | 3025.4 | 3038.6 | 3067.2 | 3089.1 | 3078.1 | 3072.6  | 3073.7 | 3074.8 | 3065.0 | 3009.0 |
| 40°   | 3254.9 | 3272.4 | 3293.3 | 3316.3 | 3297.7 | 3281.2  | 3292.2 | 3301.0 | 3292.2 | 3235.1 |
| 42.5° | 3490.9 | 3516.1 | 3538.1 | 3571.0 | 3555.7 | 3534.8  | 3550.2 | 3560.1 | 3541.4 | 3479.9 |
| 45°   | 3753.3 | 3777.4 | 3806.0 | 3855.4 | 3844.4 | 3822.4  | 3844.4 | 3846.6 | 3814.7 | 3742.3 |
| 47.5° | 4024.4 | 4049.7 | 4092.5 | 4158.3 | 4153.9 | 4129.8  | 4158.3 | 4143.0 | 4102.3 | 4015.6 |
| 50°   | 4281.3 | 4316.4 | 4382.3 | 4474.5 | 4483.3 | 4453.6  | 4492.1 | 4462.4 | 4394.4 | 4285.7 |
| 52.5° | 4522.8 | 4560.1 | 4664.4 | 4789.6 | 4821.4 | 4783.0  | 4834.6 | 4783.0 | 4680.9 | 4541.5 |
| 55°   | 4776.4 | 4818.1 | 4942.1 | 5105.7 | 5169.4 | 5140.8  | 5189.1 | 5111.2 | 4966.3 | 4797.2 |
| 57.5° | 5075.0 | 5100.2 | 5248.4 | 5442.7 | 5550.3 | 5556.9  | 5578.8 | 5447.1 | 5271.5 | 5079.4 |
| 60°   | 5398.8 | 5433.9 | 5595.3 | 5828.0 | 5998.2 | 6053.1  | 6030.0 | 5834.6 | 5630.4 | 5409.8 |
| 62.5° | 5813.8 | 5852.2 | 6045.4 | 6324.2 | 6593.2 | 6729.3  | 6639.3 | 6356.1 | 6103.6 | 5839.0 |
| 65°   | 6157.4 | 6200.2 | 6549.3 | 7046.6 | 7536.2 | 7809.5  | 7583.4 | 7061.9 | 6607.5 | 6234.2 |
| 67.5° | 5908.2 | 5960.9 | 6508.7 | 7422.0 | 8639.4 | 9455.1  | 8681.1 | 7534.0 | 6643.7 | 6137.6 |
| 70°   | 5163.9 | 5213.3 | 5852.2 | 6968.6 | 8950.1 | 10737.2 | 9136.7 | 7173.9 | 5873.0 | 5306.6 |
| 72.5° | 3428.3 | 3587.5 | 4234.1 | 5573.4 | 7991.7 | 9935.9  | 8070.8 | 5460.3 | 3927.8 | 3420.6 |
| 75°   | 1137.3 | 1264.6 | 1705.9 | 2889.3 | 5352.7 | 7430.8  | 5095.8 | 2556.7 | 1351.3 | 972.6  |
| 77.5° | 286.5  | 330.4  | 455.6  | 826.6  | 2135.2 | 4230.8  | 1922.2 | 675.1  | 367.8  | 256.9  |
| 80°   | 139.4  | 153.7  | 219.6  | 275.5  | 534.6  | 1344.8  | 501.7  | 259.1  | 173.4  | 133.9  |
| 82.5° | 76.8   | 77.9   | 124.0  | 155.9  | 198.7  | 348.0   | 206.4  | 151.5  | 99.9   | 81.2   |
| 85°   | 47.2   | 46.1   | 65.9   | 83.4   | 83.4   | 124.0   | 98.8   | 83.4   | 57.1   | 50.5   |
| 87.5° | 18.7   | 18.7   | 24.2   | 26.3   | 23.1   | 31.8    | 25.2   | 27.4   | 22.0   | 20.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2094.5 |
| 2105.5 |
| 2122.0 |
| 2141.7 |
| 2160.4 |
| 2179.1 |
| 2208.7 |
| 2244.9 |
| 2286.6 |
| 2328.4 |
| 2375.6 |
| 2440.3 |
| 2532.5 |
| 2657.7 |
| 2815.8 |
| 3009.0 |
| 3235.1 |
| 3484.3 |
| 3750.0 |
| 4010.1 |
| 4283.5 |
| 4528.3 |
| 4774.2 |
| 5053.0 |
| 5374.7 |
| 5792.9 |
| 6172.7 |
| 6061.9 |
| 5230.9 |
| 3309.8 |
| 919.9  |
| 229.4  |
| 122.9  |
| 81.2   |
| 52.7   |
| 22.0   |
| 0.0    |