

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: P947645

Luminaire Tested: **GLAN-SB2D-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15453 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 147.6  
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

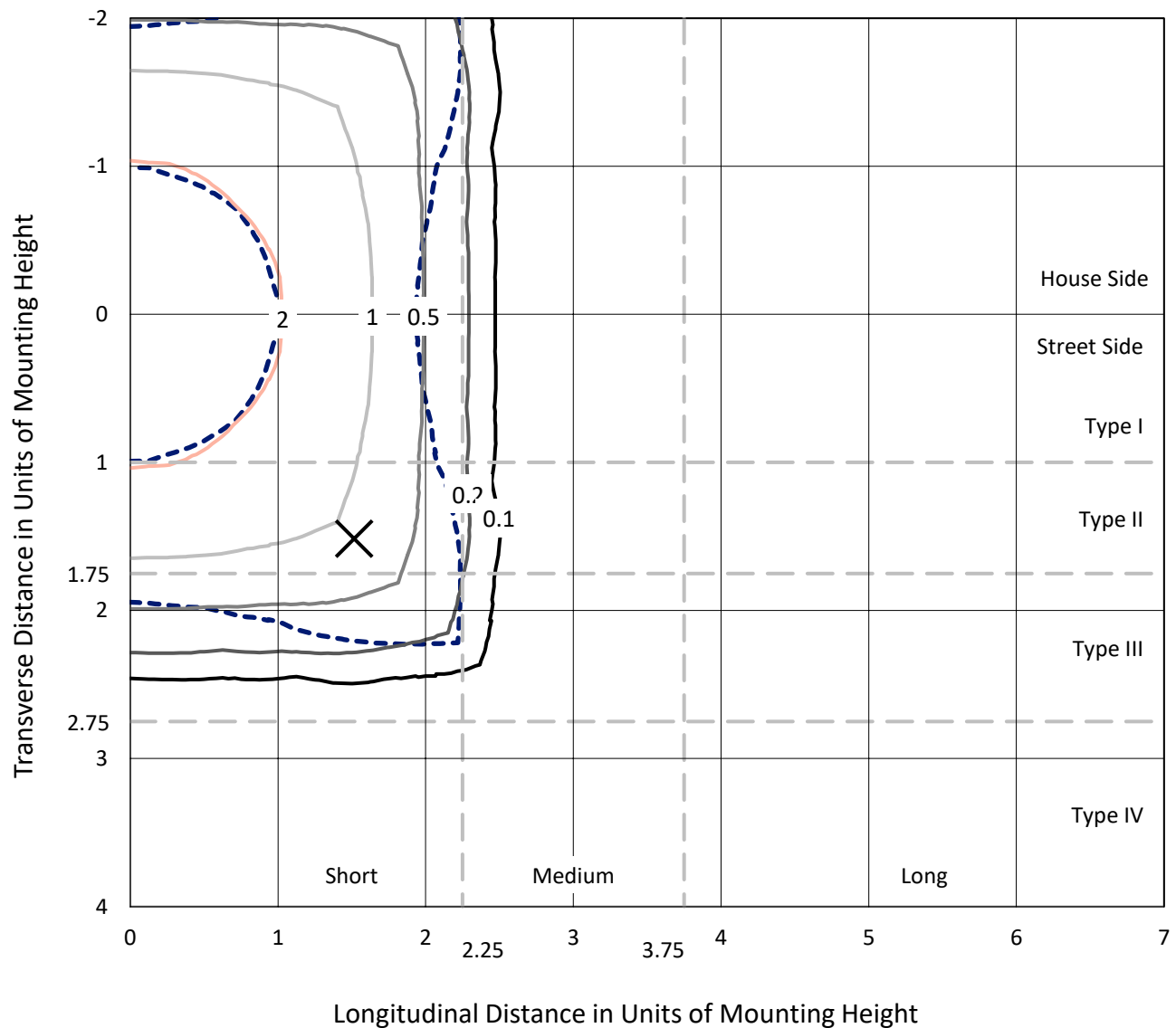


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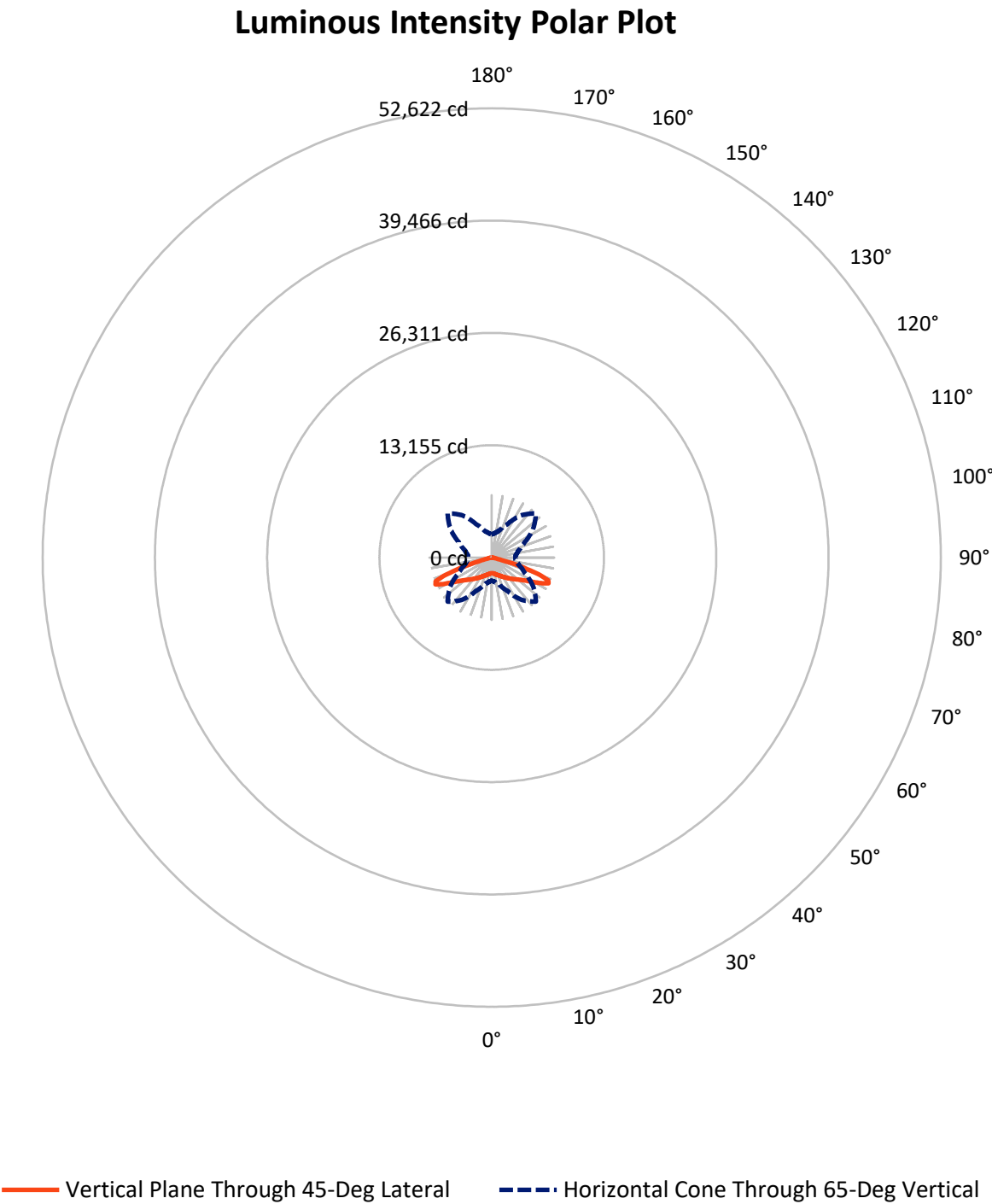
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7726.5   | 0.0    | 7726.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7726.5   | 0.0    | 7726.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 15453.0  | 0.0    | 15453.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 181.5   | 1.2       |
| 10°-20°   | 592.2   | 3.8       |
| 20°-30°   | 1118.2  | 7.2       |
| 30°-40°   | 1831.0  | 11.8      |
| 40°-50°   | 2839.0  | 18.4      |
| 50°-60°   | 4193.9  | 27.1      |
| 60°-70°   | 3992.2  | 25.8      |
| 70°-80°   | 644.2   | 4.2       |
| 80°-90°   | 60.7    | 0.4       |
| 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°    | 15453.0 | 100.0     |
| 0°-180°   | 15453.0 | 100.0     |

**Coefficient of Utilization**



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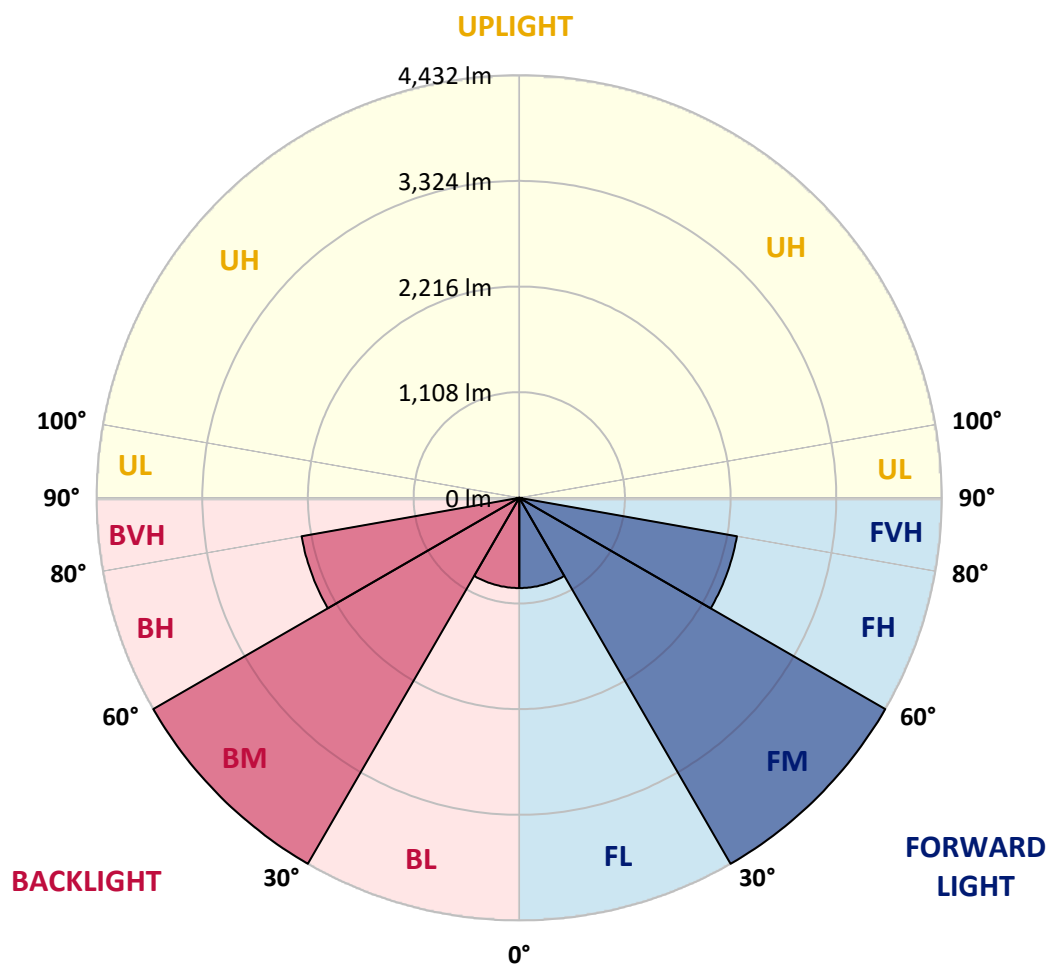
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 946.0  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4432.0 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 2318.2 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 30.4   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 946.0  | 6.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4432.0 | 28.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2318.2 | 15.0      | B3/2500                 |      | G2/5000 |
| BVH  | (80°-90°)   | 30.4   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 | 1839.1 |
| 2.5°  | 1851.5 | 1845.3 | 1849.9 | 1846.0 | 1842.9 | 1839.8 | 1841.4 | 1846.8 | 1849.1 | 1849.9 |
| 5°    | 1876.3 | 1870.8 | 1873.2 | 1873.2 | 1867.7 | 1866.2 | 1867.0 | 1870.8 | 1875.5 | 1875.5 |
| 7.5°  | 1916.6 | 1911.2 | 1916.6 | 1913.5 | 1908.8 | 1907.3 | 1906.5 | 1909.6 | 1916.6 | 1916.6 |
| 10°   | 1965.4 | 1959.2 | 1962.3 | 1960.8 | 1955.4 | 1953.0 | 1952.3 | 1956.9 | 1963.1 | 1962.3 |
| 12.5° | 2018.9 | 2012.0 | 2015.8 | 2011.2 | 2009.6 | 2007.3 | 2007.3 | 2006.5 | 2010.4 | 2007.3 |
| 15°   | 2078.6 | 2074.0 | 2075.5 | 2072.4 | 2074.8 | 2073.2 | 2067.0 | 2063.9 | 2065.5 | 2060.8 |
| 17.5° | 2149.2 | 2138.3 | 2143.8 | 2142.2 | 2142.2 | 2145.3 | 2135.2 | 2131.4 | 2134.5 | 2129.8 |
| 20°   | 2230.6 | 2219.7 | 2222.1 | 2219.0 | 2215.1 | 2218.2 | 2205.8 | 2208.9 | 2211.2 | 2208.1 |
| 22.5° | 2319.8 | 2305.8 | 2305.0 | 2306.6 | 2298.1 | 2298.8 | 2290.3 | 2298.1 | 2302.7 | 2294.2 |
| 25°   | 2411.2 | 2396.5 | 2406.6 | 2402.7 | 2391.9 | 2394.2 | 2388.0 | 2395.7 | 2399.6 | 2388.8 |
| 27.5° | 2508.2 | 2498.1 | 2507.4 | 2509.7 | 2496.5 | 2505.8 | 2496.5 | 2503.5 | 2507.4 | 2491.1 |
| 30°   | 2621.4 | 2611.3 | 2619.8 | 2626.0 | 2610.5 | 2625.2 | 2617.5 | 2622.1 | 2622.9 | 2603.5 |
| 32.5° | 2744.6 | 2729.1 | 2750.8 | 2753.9 | 2736.9 | 2754.7 | 2744.6 | 2750.8 | 2754.7 | 2728.4 |
| 35°   | 2895.0 | 2875.7 | 2900.5 | 2896.6 | 2881.9 | 2896.6 | 2887.3 | 2896.6 | 2905.9 | 2874.1 |
| 37.5° | 3057.1 | 3036.9 | 3063.3 | 3056.3 | 3042.4 | 3052.4 | 3047.0 | 3053.2 | 3067.9 | 3033.8 |
| 40°   | 3235.4 | 3210.6 | 3246.3 | 3233.9 | 3220.7 | 3219.1 | 3222.2 | 3226.1 | 3245.5 | 3207.5 |
| 42.5° | 3426.1 | 3399.8 | 3453.3 | 3433.9 | 3415.3 | 3402.9 | 3413.0 | 3420.7 | 3439.3 | 3396.7 |
| 45°   | 3644.0 | 3613.8 | 3683.6 | 3660.3 | 3630.8 | 3605.2 | 3621.5 | 3633.2 | 3660.3 | 3609.1 |
| 47.5° | 3884.4 | 3850.2 | 3924.7 | 3917.7 | 3869.6 | 3813.8 | 3851.0 | 3884.4 | 3904.5 | 3842.5 |
| 50°   | 4119.3 | 4092.9 | 4190.6 | 4199.1 | 4140.2 | 4061.9 | 4113.9 | 4164.2 | 4169.7 | 4088.3 |
| 52.5° | 4339.5 | 4313.1 | 4455.0 | 4508.5 | 4455.8 | 4362.7 | 4417.8 | 4469.0 | 4427.9 | 4322.4 |
| 55°   | 4515.5 | 4493.8 | 4674.4 | 4812.4 | 4830.3 | 4753.5 | 4786.1 | 4784.5 | 4649.6 | 4487.6 |
| 57.5° | 4558.1 | 4555.0 | 4783.0 | 5075.3 | 5261.3 | 5270.6 | 5206.3 | 5041.9 | 4751.2 | 4533.3 |
| 60°   | 4364.3 | 4383.7 | 4696.9 | 5212.5 | 5708.7 | 5914.9 | 5636.6 | 5167.5 | 4635.6 | 4333.3 |
| 62.5° | 3784.3 | 3835.5 | 4213.1 | 5045.0 | 6070.0 | 6656.1 | 5981.6 | 4976.8 | 4161.1 | 3766.5 |
| 65°   | 2712.1 | 2801.2 | 3218.4 | 4305.4 | 6037.4 | 7307.4 | 5932.0 | 4270.5 | 3249.4 | 2794.3 |
| 67.5° | 1230.4 | 1321.1 | 1675.5 | 2947.8 | 5248.1 | 7130.6 | 5235.7 | 2978.8 | 1759.2 | 1325.8 |
| 70°   | 445.8  | 461.3  | 575.3  | 1180.0 | 3354.0 | 5681.6 | 3497.5 | 1188.6 | 611.7  | 491.6  |
| 72.5° | 269.8  | 272.1  | 296.2  | 422.5  | 1165.3 | 3449.4 | 1214.9 | 436.5  | 302.4  | 268.3  |
| 75°   | 171.3  | 169.8  | 210.9  | 258.2  | 413.2  | 1163.8 | 433.4  | 258.2  | 210.1  | 191.5  |
| 77.5° | 123.3  | 127.2  | 151.2  | 193.1  | 260.5  | 394.6  | 255.9  | 184.5  | 151.2  | 124.1  |
| 80°   | 92.3   | 94.6   | 110.1  | 150.4  | 183.0  | 245.8  | 162.8  | 136.5  | 114.0  | 77.5   |
| 82.5° | 66.7   | 66.7   | 72.1   | 109.3  | 111.6  | 132.6  | 88.4   | 96.1   | 75.2   | 55.0   |
| 85°   | 39.5   | 38.8   | 45.0   | 65.1   | 58.1   | 48.8   | 40.3   | 58.9   | 47.3   | 34.1   |
| 87.5° | 14.0   | 14.7   | 14.0   | 18.6   | 15.5   | 13.2   | 12.4   | 16.3   | 13.2   | 11.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1839.1 |
| 1849.9 |
| 1875.5 |
| 1914.3 |
| 1960.8 |
| 2008.9 |
| 2061.6 |
| 2133.7 |
| 2215.1 |
| 2302.7 |
| 2401.2 |
| 2503.5 |
| 2615.2 |
| 2746.2 |
| 2893.5 |
| 3054.8 |
| 3219.9 |
| 3419.2 |
| 3635.5 |
| 3863.4 |
| 4098.3 |
| 4325.5 |
| 4493.0 |
| 4519.3 |
| 4297.6 |
| 3743.3 |
| 2760.9 |
| 1306.4 |
| 485.4  |
| 272.9  |
| 193.1  |
| 126.4  |
| 79.9   |
| 55.0   |
| 33.3   |
| 10.9   |
| 0.0    |