

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: P948274

Luminaire Tested: **GLAN-SB3B-850-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948274  
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-850-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 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: 16924 lumens  
Efficiency: N/A  
Efficacy: 155.0 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



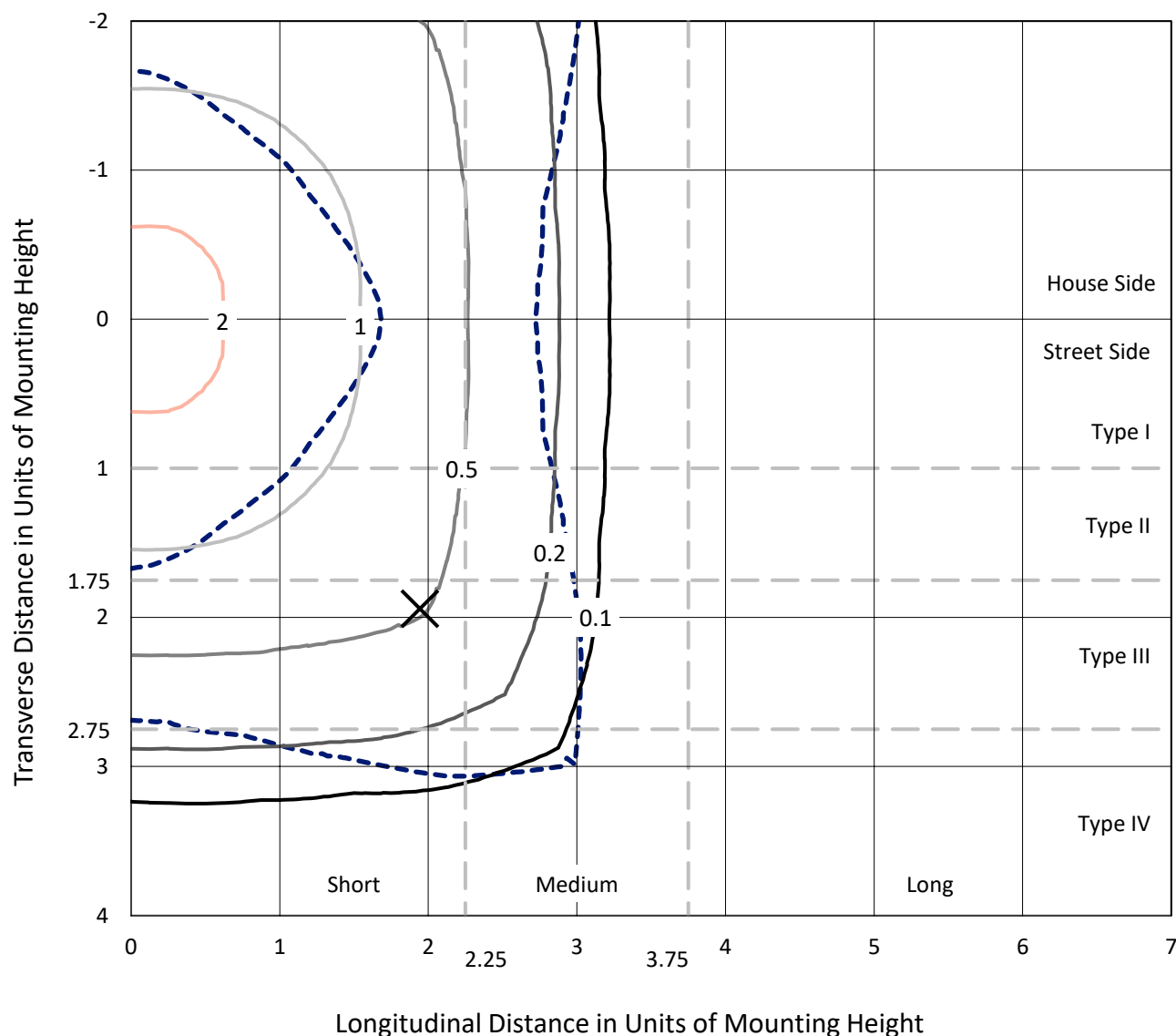
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



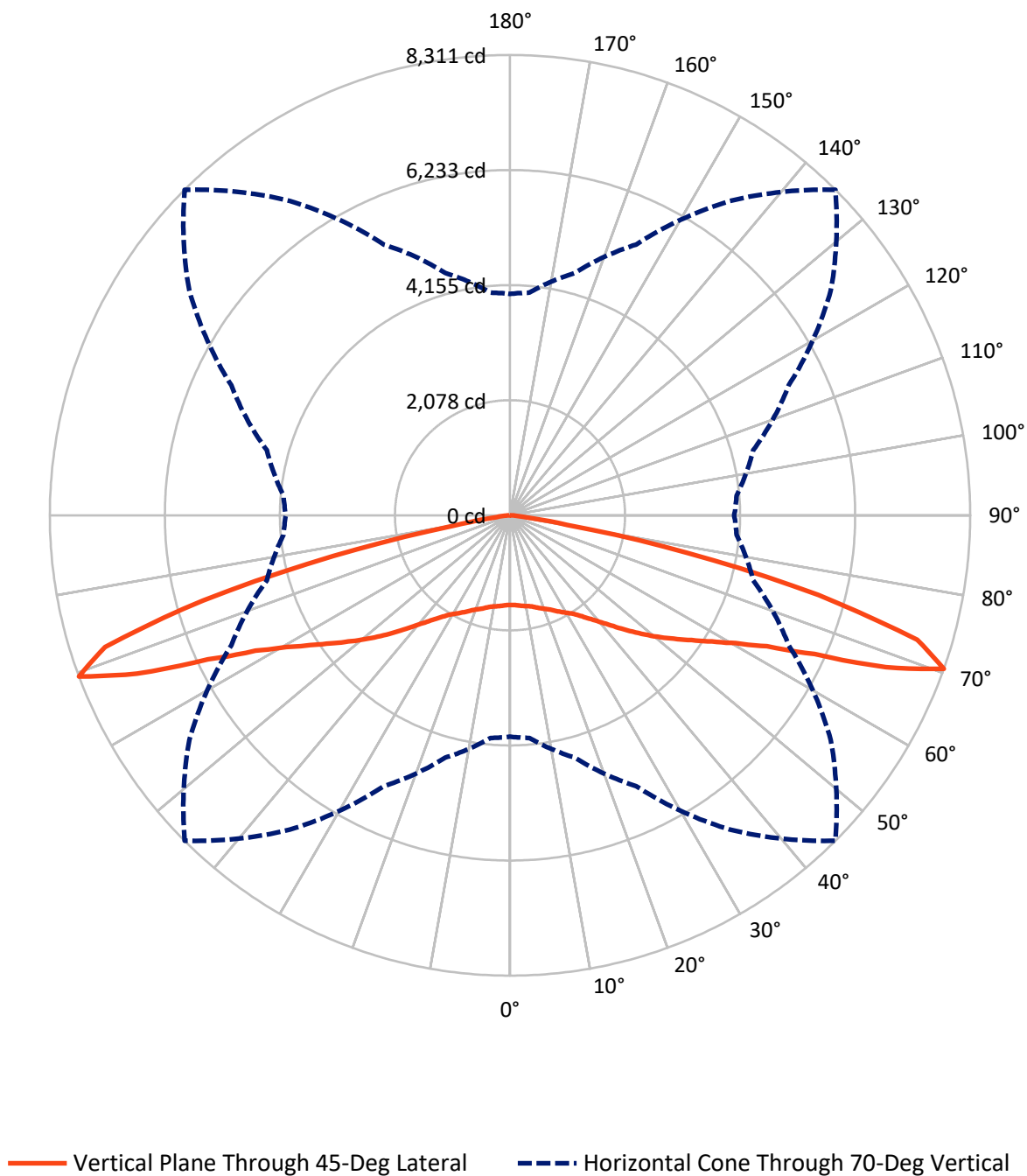
Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

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    | 8462.0   | 0.0    | 8462.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8462.0   | 0.0    | 8462.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16924.0  | 0.0    | 16924.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 157.5   | 0.9       |
| 10°-20°   | 488.4   | 2.9       |
| 20°-30°   | 872.8   | 5.2       |
| 30°-40°   | 1414.8  | 8.4       |
| 40°-50°   | 2304.4  | 13.6      |
| 50°-60°   | 3513.5  | 20.8      |
| 60°-70°   | 5226.9  | 30.9      |
| 70°-80°   | 2848.8  | 16.8      |
| 80°-90°   | 97.0    | 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°    | 16924.0 | 100.0     |
| 0°-180°   | 16924.0 | 100.0     |

**Coefficient of Utilization**



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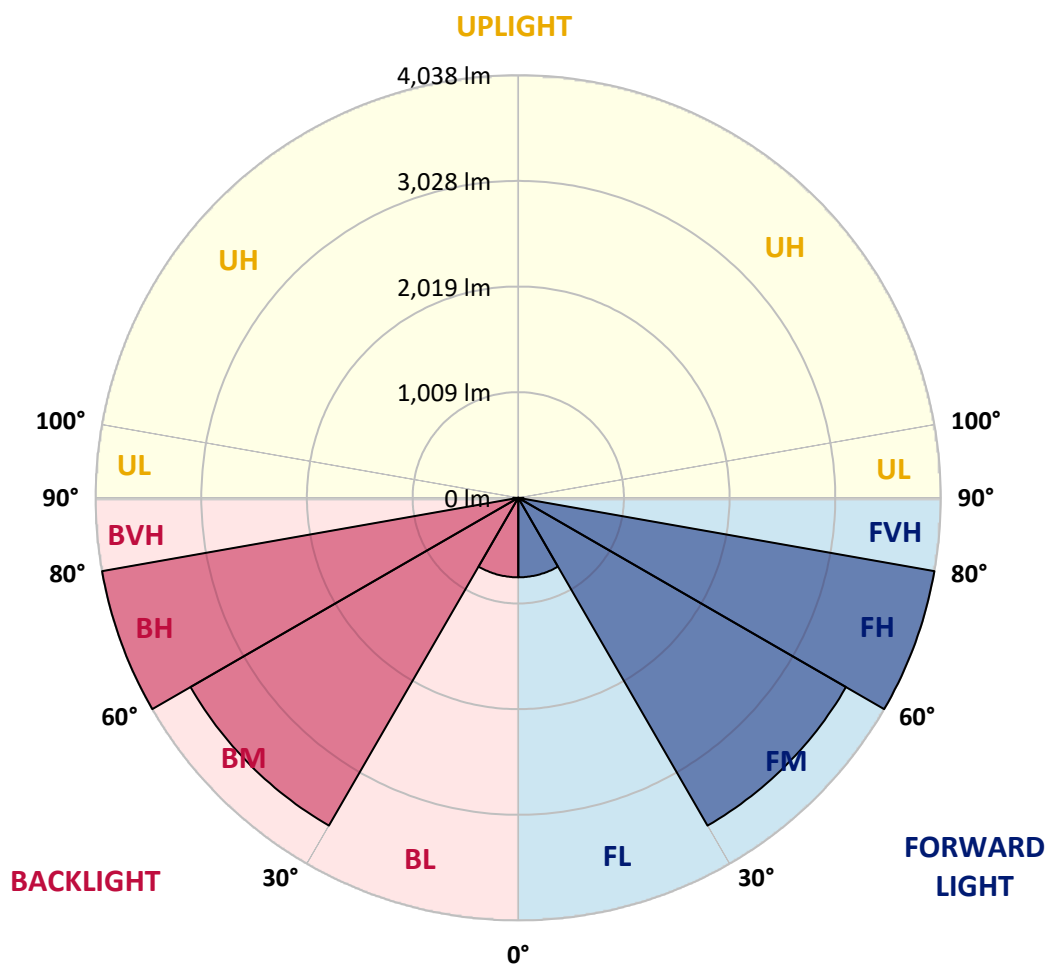
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 759.3  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 3616.3 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 4037.9 | 23.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 48.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 759.3  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3616.3 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 4037.9 | 23.9      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 48.5   | 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°    | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 | 1621.1 |
| 2.5°  | 1628.8 | 1630.5 | 1627.1 | 1625.4 | 1623.7 | 1621.1 | 1622.0 | 1626.2 | 1629.6 | 1628.8 |
| 5°    | 1642.4 | 1644.1 | 1641.5 | 1640.7 | 1637.3 | 1636.4 | 1636.4 | 1640.7 | 1643.2 | 1641.5 |
| 7.5°  | 1657.7 | 1660.2 | 1656.0 | 1655.1 | 1653.4 | 1651.7 | 1650.9 | 1655.1 | 1657.7 | 1657.7 |
| 10°   | 1672.1 | 1674.7 | 1671.3 | 1668.7 | 1667.0 | 1667.0 | 1665.3 | 1668.7 | 1673.0 | 1672.1 |
| 12.5° | 1687.4 | 1689.1 | 1685.7 | 1684.0 | 1684.0 | 1686.6 | 1684.0 | 1685.7 | 1689.1 | 1687.4 |
| 15°   | 1706.1 | 1707.0 | 1706.1 | 1708.7 | 1712.9 | 1721.4 | 1713.8 | 1712.1 | 1713.8 | 1709.5 |
| 17.5° | 1731.6 | 1733.3 | 1736.7 | 1742.6 | 1748.6 | 1763.9 | 1750.3 | 1746.0 | 1746.0 | 1737.5 |
| 20°   | 1763.0 | 1765.6 | 1770.7 | 1780.9 | 1788.5 | 1803.0 | 1789.4 | 1783.4 | 1780.9 | 1769.8 |
| 22.5° | 1796.2 | 1800.4 | 1808.1 | 1821.7 | 1835.3 | 1848.9 | 1835.3 | 1825.1 | 1817.4 | 1803.0 |
| 25°   | 1834.4 | 1839.5 | 1851.4 | 1873.5 | 1892.2 | 1911.7 | 1895.6 | 1875.2 | 1859.9 | 1839.5 |
| 27.5° | 1888.8 | 1894.7 | 1909.2 | 1936.4 | 1960.2 | 1977.1 | 1961.9 | 1935.5 | 1914.3 | 1889.6 |
| 30°   | 1965.3 | 1971.2 | 1988.2 | 2017.1 | 2033.2 | 2044.3 | 2034.1 | 2013.7 | 1988.2 | 1960.2 |
| 32.5° | 2063.8 | 2071.5 | 2090.2 | 2117.3 | 2120.7 | 2122.4 | 2119.0 | 2108.8 | 2090.2 | 2056.2 |
| 35°   | 2188.7 | 2197.2 | 2218.5 | 2240.5 | 2237.1 | 2240.5 | 2235.4 | 2232.0 | 2218.5 | 2179.4 |
| 37.5° | 2341.7 | 2351.8 | 2373.9 | 2390.9 | 2382.4 | 2378.2 | 2379.0 | 2379.9 | 2372.2 | 2328.9 |
| 40°   | 2519.2 | 2532.8 | 2549.0 | 2566.8 | 2552.4 | 2539.6 | 2548.1 | 2554.9 | 2548.1 | 2503.9 |
| 42.5° | 2701.9 | 2721.4 | 2738.4 | 2763.9 | 2752.0 | 2735.9 | 2747.8 | 2755.4 | 2741.0 | 2693.4 |
| 45°   | 2905.0 | 2923.7 | 2945.8 | 2984.0 | 2975.5 | 2958.5 | 2975.5 | 2977.2 | 2952.6 | 2896.5 |
| 47.5° | 3114.8 | 3134.4 | 3167.5 | 3218.5 | 3215.1 | 3196.4 | 3218.5 | 3206.6 | 3175.2 | 3108.0 |
| 50°   | 3313.7 | 3340.8 | 3391.8 | 3463.2 | 3470.0 | 3447.1 | 3476.8 | 3453.9 | 3401.2 | 3317.1 |
| 52.5° | 3500.6 | 3529.5 | 3610.2 | 3707.1 | 3731.7 | 3702.0 | 3741.9 | 3702.0 | 3622.9 | 3515.0 |
| 55°   | 3696.9 | 3729.1 | 3825.2 | 3951.8 | 4001.0 | 3978.9 | 4016.3 | 3956.0 | 3843.8 | 3713.0 |
| 57.5° | 3928.0 | 3947.5 | 4062.2 | 4212.6 | 4295.9 | 4301.0 | 4318.0 | 4216.0 | 4080.0 | 3931.4 |
| 60°   | 4178.6 | 4205.8 | 4330.7 | 4510.8 | 4642.5 | 4685.0 | 4667.2 | 4515.9 | 4357.9 | 4187.1 |
| 62.5° | 4499.8 | 4529.5 | 4679.1 | 4894.9 | 5103.0 | 5208.4 | 5138.7 | 4919.5 | 4724.1 | 4519.3 |
| 65°   | 4765.7 | 4798.9 | 5069.0 | 5453.9 | 5832.9 | 6044.5 | 5869.4 | 5465.8 | 5114.1 | 4825.2 |
| 67.5° | 4572.8 | 4613.6 | 5037.6 | 5744.5 | 6686.8 | 7318.1 | 6719.1 | 5831.2 | 5142.1 | 4750.4 |
| 70°   | 3996.8 | 4035.0 | 4529.5 | 5393.6 | 6927.2 | 8310.5 | 7071.7 | 5552.5 | 4545.7 | 4107.2 |
| 72.5° | 2653.5 | 2776.7 | 3277.1 | 4313.7 | 6185.5 | 7690.2 | 6246.7 | 4226.2 | 3040.1 | 2647.5 |
| 75°   | 880.2  | 978.8  | 1320.4 | 2236.3 | 4142.9 | 5751.3 | 3944.1 | 1978.8 | 1045.9 | 752.8  |
| 77.5° | 221.8  | 255.7  | 352.6  | 639.8  | 1652.6 | 3274.6 | 1487.7 | 522.5  | 284.6  | 198.8  |
| 80°   | 107.9  | 119.0  | 169.9  | 213.3  | 413.8  | 1040.8 | 388.3  | 200.5  | 134.2  | 103.7  |
| 82.5° | 59.5   | 60.3   | 96.0   | 120.7  | 153.8  | 269.3  | 159.7  | 117.3  | 77.3   | 62.9   |
| 85°   | 36.5   | 35.7   | 51.0   | 64.6   | 64.6   | 96.0   | 76.5   | 64.6   | 44.2   | 39.1   |
| 87.5° | 14.4   | 14.4   | 18.7   | 20.4   | 17.8   | 24.6   | 19.5   | 21.2   | 17.0   | 16.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1621.1 |
| 1629.6 |
| 1642.4 |
| 1657.7 |
| 1672.1 |
| 1686.6 |
| 1709.5 |
| 1737.5 |
| 1769.8 |
| 1802.1 |
| 1838.7 |
| 1888.8 |
| 1960.2 |
| 2057.0 |
| 2179.4 |
| 2328.9 |
| 2503.9 |
| 2696.8 |
| 2902.4 |
| 3103.8 |
| 3315.4 |
| 3504.8 |
| 3695.2 |
| 3911.0 |
| 4159.9 |
| 4483.6 |
| 4777.6 |
| 4691.8 |
| 4048.6 |
| 2561.7 |
| 712.0  |
| 177.6  |
| 95.2   |
| 62.9   |
| 40.8   |
| 17.0   |
| 0.0    |