

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: P941680

Luminaire Tested: **GLAN-SB5B-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941680  
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-SB5B-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25853 lumens  
Efficiency: N/A  
Efficacy: 141.5 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): 182.7  
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



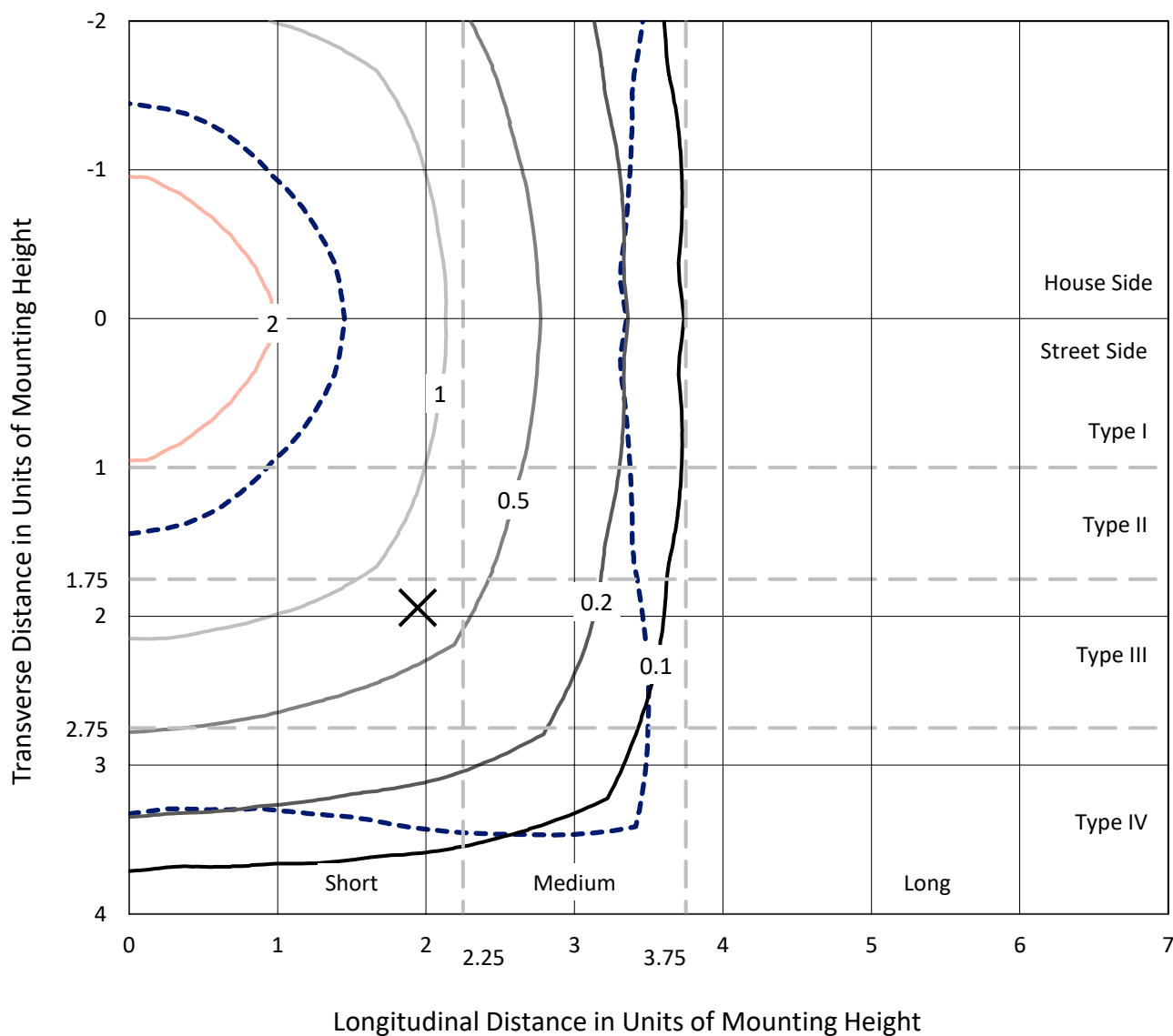
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

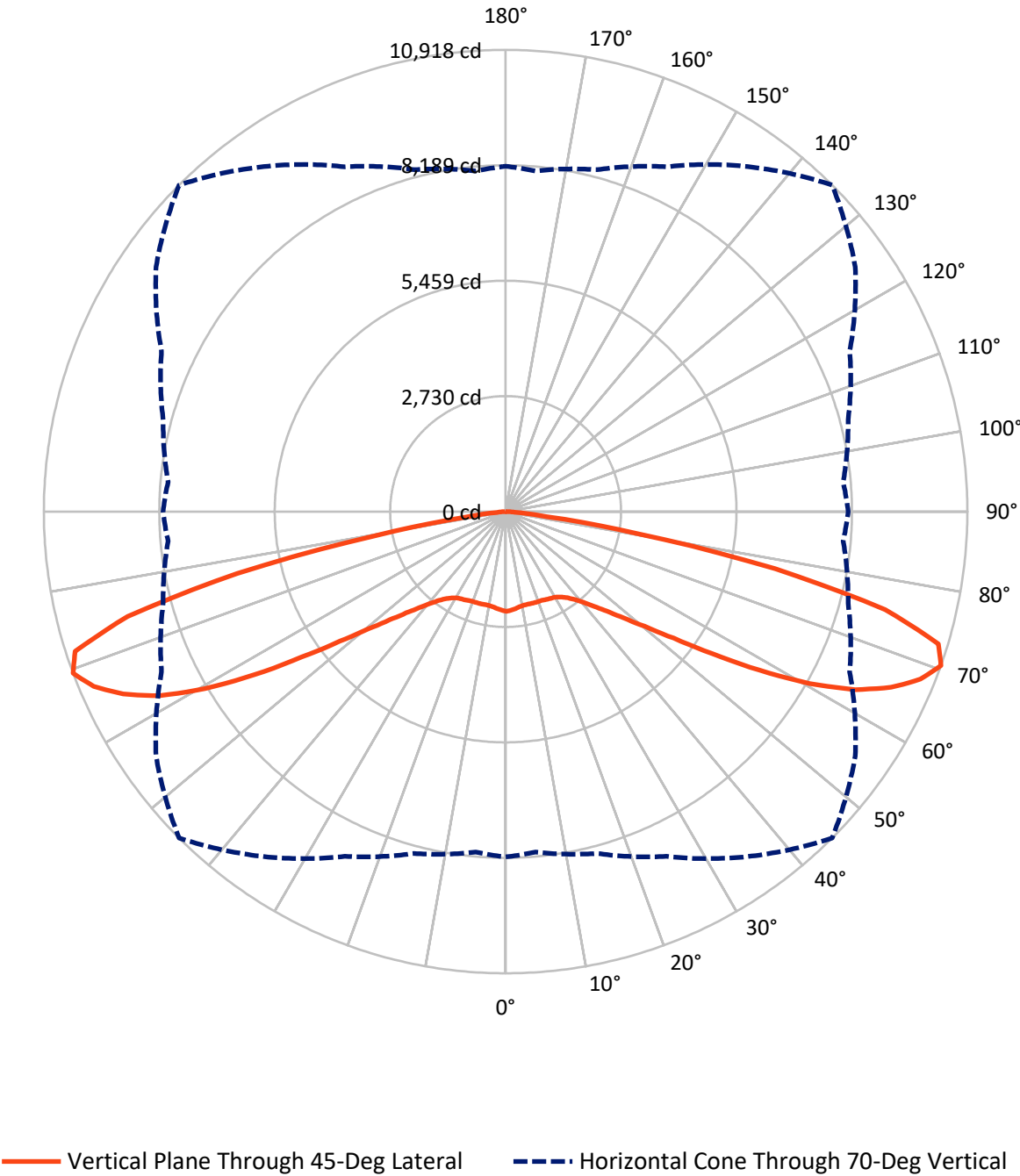


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc

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    | 12926.5  | 0.0    | 12926.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12926.5  | 0.0    | 12926.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25853.0  | 0.0    | 25853.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 219.4   | 0.8       |
| 10°-20°   | 644.2   | 2.5       |
| 20°-30°   | 1072.0  | 4.1       |
| 30°-40°   | 1621.1  | 6.3       |
| 40°-50°   | 2693.9  | 10.4      |
| 50°-60°   | 5083.3  | 19.7      |
| 60°-70°   | 8583.4  | 33.2      |
| 70°-80°   | 5640.2  | 21.8      |
| 80°-90°   | 295.5   | 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°    | 25853.0 | 100.0     |
| 0°-180°   | 25853.0 | 100.0     |

**Coefficient of Utilization**



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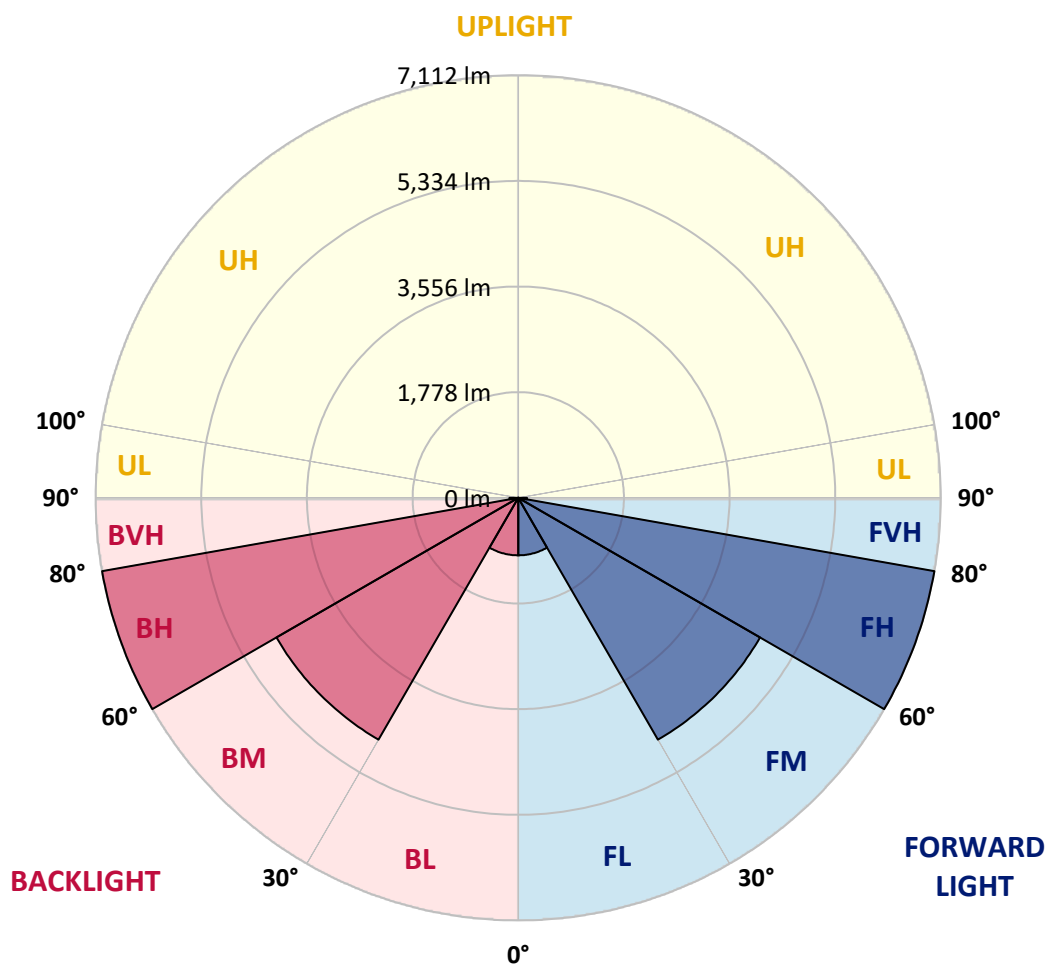
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 967.7  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 4699.2 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 7111.8 | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 147.7  | 0.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 967.7  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4699.2 | 18.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 7111.8 | 27.5      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 147.7  | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0°    | 2358.3 | 2358.3 | 2358.3 | 2358.3 | 2358.3 | 2358.3  | 2358.3  | 2358.3 | 2358.3 | 2358.3 |
| 2.5°  | 2343.5 | 2350.3 | 2347.6 | 2342.2 | 2342.2 | 2338.2  | 2342.2  | 2344.9 | 2348.9 | 2351.6 |
| 5°    | 2312.6 | 2318.0 | 2316.7 | 2312.6 | 2314.0 | 2309.9  | 2312.6  | 2316.7 | 2319.3 | 2320.7 |
| 7.5°  | 2285.8 | 2291.1 | 2288.4 | 2281.7 | 2281.7 | 2277.7  | 2279.0  | 2283.1 | 2287.1 | 2288.4 |
| 10°   | 2279.0 | 2284.4 | 2276.3 | 2265.6 | 2261.6 | 2256.2  | 2257.5  | 2261.6 | 2269.6 | 2273.7 |
| 12.5° | 2281.7 | 2285.8 | 2277.7 | 2261.6 | 2257.5 | 2252.2  | 2252.2  | 2256.2 | 2266.9 | 2272.3 |
| 15°   | 2289.8 | 2293.8 | 2281.7 | 2264.3 | 2260.2 | 2256.2  | 2254.8  | 2260.2 | 2272.3 | 2281.7 |
| 17.5° | 2304.6 | 2308.6 | 2289.8 | 2265.6 | 2260.2 | 2261.6  | 2260.2  | 2264.3 | 2283.1 | 2300.5 |
| 20°   | 2318.0 | 2320.7 | 2295.2 | 2265.6 | 2260.2 | 2261.6  | 2260.2  | 2268.3 | 2292.5 | 2316.7 |
| 22.5° | 2322.0 | 2324.7 | 2300.5 | 2275.0 | 2271.0 | 2272.3  | 2271.0  | 2279.0 | 2301.9 | 2326.1 |
| 25°   | 2323.4 | 2327.4 | 2308.6 | 2288.4 | 2295.2 | 2297.8  | 2295.2  | 2296.5 | 2314.0 | 2335.5 |
| 27.5° | 2343.5 | 2348.9 | 2331.4 | 2314.0 | 2318.0 | 2316.7  | 2320.7  | 2324.7 | 2338.2 | 2359.7 |
| 30°   | 2385.2 | 2389.2 | 2374.4 | 2357.0 | 2354.3 | 2344.9  | 2357.0  | 2370.4 | 2385.2 | 2404.0 |
| 32.5° | 2453.7 | 2461.8 | 2443.0 | 2424.2 | 2412.1 | 2406.7  | 2416.1  | 2438.9 | 2459.1 | 2479.3 |
| 35°   | 2567.9 | 2573.3 | 2555.8 | 2520.9 | 2499.4 | 2499.4  | 2507.5  | 2537.0 | 2569.3 | 2594.8 |
| 37.5° | 2729.2 | 2735.9 | 2705.0 | 2663.3 | 2631.1 | 2631.1  | 2641.8  | 2672.8 | 2721.1 | 2757.4 |
| 40°   | 2925.4 | 2934.8 | 2895.8 | 2852.8 | 2821.9 | 2816.5  | 2830.0  | 2864.9 | 2910.6 | 2956.3 |
| 42.5° | 3161.9 | 3172.6 | 3121.6 | 3083.9 | 3059.8 | 3059.8  | 3066.5  | 3098.7 | 3140.4 | 3196.8 |
| 45°   | 3464.2 | 3483.0 | 3413.2 | 3375.5 | 3352.7 | 3358.1  | 3362.1  | 3390.3 | 3428.0 | 3492.5 |
| 47.5° | 3824.4 | 3843.2 | 3769.3 | 3730.3 | 3726.3 | 3751.8  | 3735.7  | 3755.8 | 3776.0 | 3849.9 |
| 50°   | 4232.9 | 4265.1 | 4214.1 | 4211.4 | 4219.4 | 4266.5  | 4228.8  | 4239.6 | 4216.7 | 4263.8 |
| 52.5° | 4732.8 | 4779.8 | 4770.4 | 4786.5 | 4876.5 | 4973.3  | 4887.3  | 4849.7 | 4763.7 | 4778.4 |
| 55°   | 5338.8 | 5410.0 | 5423.5 | 5520.2 | 5724.5 | 5922.0  | 5739.2  | 5587.4 | 5404.6 | 5371.0 |
| 57.5° | 6028.1 | 6084.6 | 6149.1 | 6346.6 | 6728.3 | 7079.0  | 6728.3  | 6392.3 | 6104.7 | 6036.2 |
| 60°   | 6769.9 | 6839.8 | 6901.6 | 7193.2 | 7760.3 | 8253.4  | 7749.5  | 7216.0 | 6835.8 | 6743.0 |
| 62.5° | 7566.8 | 7656.8 | 7699.8 | 8023.6 | 8684.8 | 9273.3  | 8694.2  | 8047.8 | 7625.9 | 7526.4 |
| 65°   | 8331.4 | 8405.3 | 8453.6 | 8799.0 | 9430.6 | 10020.5 | 9473.6  | 8836.6 | 8402.6 | 8272.2 |
| 67.5° | 8687.5 | 8727.8 | 8846.0 | 9237.1 | 9903.6 | 10576.8 | 10016.5 | 9278.7 | 8793.6 | 8565.2 |
| 70°   | 8166.1 | 8084.1 | 8369.0 | 8995.2 | 9960.0 | 10918.1 | 10089.0 | 8976.4 | 8382.4 | 8011.5 |
| 72.5° | 6310.3 | 6169.2 | 6663.7 | 7734.7 | 9315.0 | 10700.4 | 9379.5  | 7795.2 | 6971.5 | 6219.0 |
| 75°   | 3433.3 | 3273.4 | 3956.1 | 5310.6 | 7428.4 | 9274.7  | 7599.0  | 5462.4 | 4404.9 | 3407.8 |
| 77.5° | 968.9  | 908.4  | 1459.3 | 2569.3 | 4468.0 | 6511.9  | 4640.0  | 2625.7 | 1730.8 | 1026.6 |
| 80°   | 297.0  | 287.6  | 389.7  | 774.0  | 1897.4 | 3118.9  | 1823.5  | 783.4  | 495.9  | 313.1  |
| 82.5° | 176.0  | 161.3  | 193.5  | 282.2  | 483.8  | 979.6   | 470.3   | 294.3  | 236.5  | 158.6  |
| 85°   | 100.8  | 94.1   | 114.2  | 137.1  | 162.6  | 208.3   | 135.7   | 139.8  | 126.3  | 84.7   |
| 87.5° | 41.7   | 37.6   | 44.3   | 43.0   | 37.6   | 48.4    | 36.3    | 43.0   | 51.1   | 33.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2358.3 |
| 2350.3 |
| 2320.7 |
| 2288.4 |
| 2273.7 |
| 2273.7 |
| 2283.1 |
| 2300.5 |
| 2318.0 |
| 2326.1 |
| 2334.1 |
| 2354.3 |
| 2400.0 |
| 2471.2 |
| 2585.4 |
| 2744.0 |
| 2941.5 |
| 3192.8 |
| 3489.8 |
| 3828.4 |
| 4235.6 |
| 4728.7 |
| 5318.6 |
| 5987.8 |
| 6662.4 |
| 7445.8 |
| 8207.7 |
| 8567.9 |
| 8100.2 |
| 6405.7 |
| 3629.5 |
| 1140.9 |
| 330.6  |
| 172.0  |
| 88.7   |
| 30.9   |
| 0.0    |