

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: P942060

Luminaire Tested: **GLAN-SB5D-927-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942060  
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-SB5D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 31649 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 364.9  
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



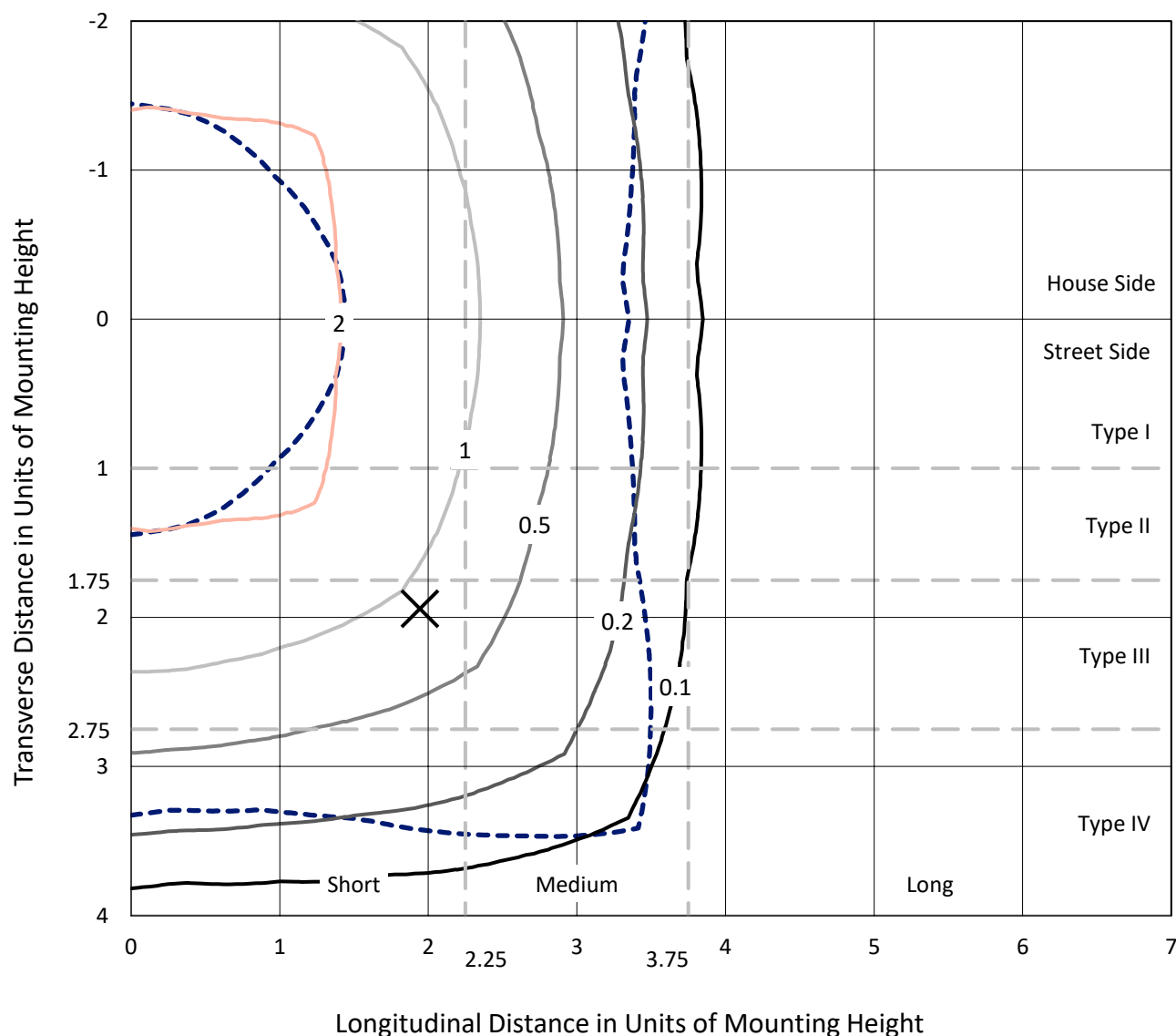
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

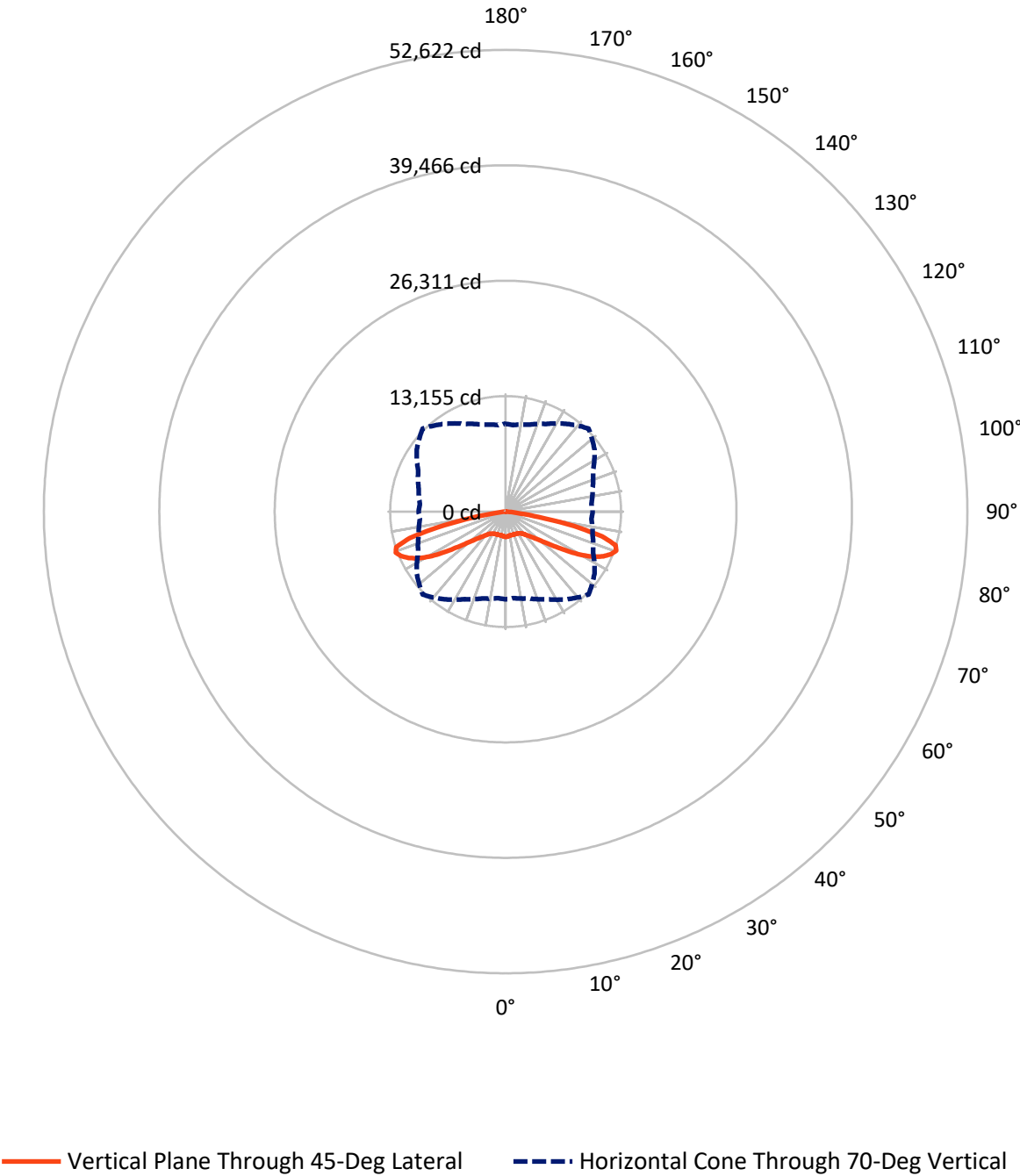


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc

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    | 15824.5  | 0.0    | 15824.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15824.5  | 0.0    | 15824.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 31649.0  | 0.0    | 31649.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.6   | 0.8       |
| 10°-20°   | 788.6   | 2.5       |
| 20°-30°   | 1312.3  | 4.1       |
| 30°-40°   | 1984.6  | 6.3       |
| 40°-50°   | 3297.9  | 10.4      |
| 50°-60°   | 6223.0  | 19.7      |
| 60°-70°   | 10507.8 | 33.2      |
| 70°-80°   | 6904.7  | 21.8      |
| 80°-90°   | 361.7   | 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°    | 31649.0 | 100.0     |
| 0°-180°   | 31649.0 | 100.0     |

**Coefficient of Utilization**



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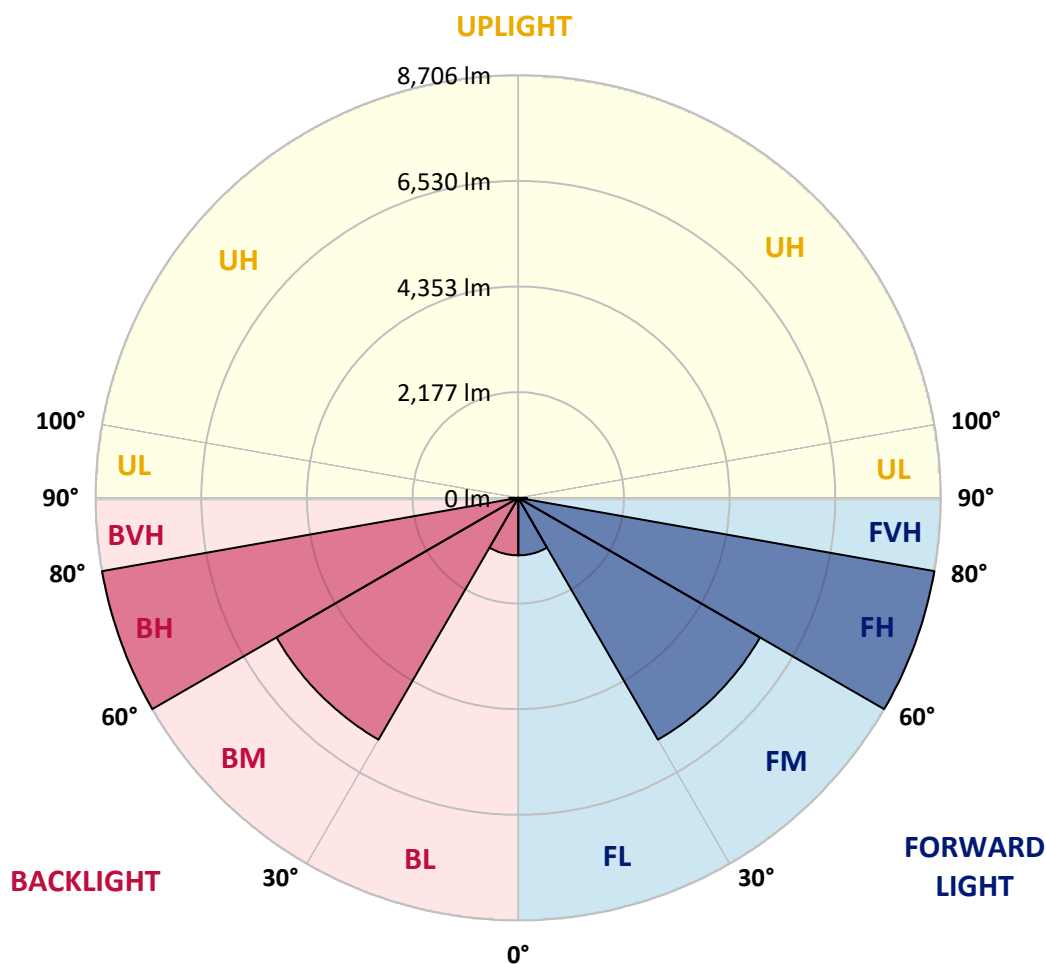
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1184.7 | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 5752.7 | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 8706.2 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 180.9  | 0.6       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1184.7 | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 5752.7 | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 8706.2 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 180.9  | 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-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  | 2887.0  |
| 2.5°  | 2868.9  | 2877.2  | 2873.9  | 2867.3  | 2867.3  | 2862.4  | 2867.3  | 2870.6  | 2875.5  | 2878.8  |
| 5°    | 2831.1  | 2837.7  | 2836.0  | 2831.1  | 2832.7  | 2827.8  | 2831.1  | 2836.0  | 2839.3  | 2841.0  |
| 7.5°  | 2798.2  | 2804.8  | 2801.5  | 2793.3  | 2793.3  | 2788.3  | 2790.0  | 2794.9  | 2799.8  | 2801.5  |
| 10°   | 2790.0  | 2796.5  | 2786.7  | 2773.5  | 2768.6  | 2762.0  | 2763.6  | 2768.6  | 2778.5  | 2783.4  |
| 12.5° | 2793.3  | 2798.2  | 2788.3  | 2768.6  | 2763.6  | 2757.1  | 2757.1  | 2762.0  | 2775.2  | 2781.7  |
| 15°   | 2803.1  | 2808.1  | 2793.3  | 2771.9  | 2766.9  | 2762.0  | 2760.4  | 2766.9  | 2781.7  | 2793.3  |
| 17.5° | 2821.2  | 2826.2  | 2803.1  | 2773.5  | 2766.9  | 2768.6  | 2766.9  | 2771.9  | 2794.9  | 2816.3  |
| 20°   | 2837.7  | 2841.0  | 2809.7  | 2773.5  | 2766.9  | 2768.6  | 2766.9  | 2776.8  | 2806.4  | 2836.0  |
| 22.5° | 2842.6  | 2845.9  | 2816.3  | 2785.0  | 2780.1  | 2781.7  | 2780.1  | 2790.0  | 2817.9  | 2847.5  |
| 25°   | 2844.3  | 2849.2  | 2826.2  | 2801.5  | 2809.7  | 2813.0  | 2809.7  | 2811.4  | 2832.7  | 2859.1  |
| 27.5° | 2868.9  | 2875.5  | 2854.1  | 2832.7  | 2837.7  | 2836.0  | 2841.0  | 2845.9  | 2862.4  | 2888.7  |
| 30°   | 2919.9  | 2924.9  | 2906.8  | 2885.4  | 2882.1  | 2870.6  | 2885.4  | 2901.8  | 2919.9  | 2943.0  |
| 32.5° | 3003.8  | 3013.7  | 2990.7  | 2967.6  | 2952.8  | 2946.2  | 2957.8  | 2985.7  | 3010.4  | 3035.1  |
| 35°   | 3143.7  | 3150.2  | 3128.8  | 3086.1  | 3059.8  | 3059.8  | 3069.6  | 3105.8  | 3145.3  | 3176.6  |
| 37.5° | 3341.1  | 3349.3  | 3311.4  | 3260.4  | 3221.0  | 3221.0  | 3234.1  | 3272.0  | 3331.2  | 3375.6  |
| 40°   | 3581.2  | 3592.7  | 3545.0  | 3492.4  | 3454.6  | 3448.0  | 3464.4  | 3507.2  | 3563.1  | 3619.1  |
| 42.5° | 3870.8  | 3883.9  | 3821.4  | 3775.3  | 3745.7  | 3745.7  | 3754.0  | 3793.4  | 3844.4  | 3913.5  |
| 45°   | 4240.9  | 4263.9  | 4178.4  | 4132.3  | 4104.3  | 4110.9  | 4115.9  | 4150.4  | 4196.5  | 4275.4  |
| 47.5° | 4681.8  | 4704.8  | 4614.3  | 4566.6  | 4561.7  | 4592.9  | 4573.2  | 4597.9  | 4622.5  | 4713.0  |
| 50°   | 5181.8  | 5221.3  | 5158.8  | 5155.5  | 5165.4  | 5223.0  | 5176.9  | 5190.1  | 5162.1  | 5219.7  |
| 52.5° | 5793.8  | 5851.4  | 5839.9  | 5859.6  | 5969.8  | 6088.3  | 5983.0  | 5936.9  | 5831.6  | 5849.7  |
| 55°   | 6535.7  | 6622.9  | 6639.3  | 6757.8  | 7007.8  | 7249.6  | 7025.9  | 6840.0  | 6616.3  | 6575.2  |
| 57.5° | 7379.6  | 7448.7  | 7527.7  | 7769.5  | 8236.7  | 8666.0  | 8236.7  | 7825.4  | 7473.4  | 7389.5  |
| 60°   | 8287.7  | 8373.2  | 8448.9  | 8805.8  | 9500.0  | 10103.8 | 9486.9  | 8833.8  | 8368.3  | 8254.8  |
| 62.5° | 9263.2  | 9373.4  | 9426.0  | 9822.5  | 10631.8 | 11352.3 | 10643.3 | 9852.1  | 9335.5  | 9213.8  |
| 65°   | 10199.2 | 10289.7 | 10348.9 | 10771.7 | 11544.8 | 12267.0 | 11597.5 | 10817.7 | 10286.4 | 10126.8 |
| 67.5° | 10635.1 | 10684.5 | 10829.2 | 11307.9 | 12123.9 | 12948.0 | 12262.0 | 11358.9 | 10765.1 | 10485.4 |
| 70°   | 9996.8  | 9896.5  | 10245.2 | 11011.8 | 12193.0 | 13365.9 | 12350.9 | 10988.8 | 10261.7 | 9807.7  |
| 72.5° | 7725.1  | 7552.3  | 8157.7  | 9468.8  | 11403.3 | 13099.4 | 11482.3 | 9542.8  | 8534.4  | 7613.2  |
| 75°   | 4203.0  | 4007.3  | 4843.0  | 6501.2  | 9093.7  | 11354.0 | 9302.6  | 6687.0  | 5392.4  | 4171.8  |
| 77.5° | 1186.1  | 1112.0  | 1786.5  | 3145.3  | 5469.7  | 7971.8  | 5680.3  | 3214.4  | 2118.8  | 1256.8  |
| 80°   | 363.6   | 352.0   | 477.1   | 947.5   | 2322.8  | 3818.1  | 2232.3  | 959.1   | 607.0   | 383.3   |
| 82.5° | 215.5   | 197.4   | 236.9   | 345.5   | 592.2   | 1199.2  | 575.8   | 360.3   | 289.5   | 194.1   |
| 85°   | 123.4   | 115.2   | 139.8   | 167.8   | 199.0   | 255.0   | 166.1   | 171.1   | 154.6   | 103.6   |
| 87.5° | 51.0    | 46.1    | 54.3    | 52.6    | 46.1    | 59.2    | 44.4    | 52.6    | 62.5    | 41.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 2887.0  |
| 2877.2  |
| 2841.0  |
| 2801.5  |
| 2783.4  |
| 2783.4  |
| 2794.9  |
| 2816.3  |
| 2837.7  |
| 2847.5  |
| 2857.4  |
| 2882.1  |
| 2938.0  |
| 3025.2  |
| 3165.0  |
| 3359.1  |
| 3601.0  |
| 3908.6  |
| 4272.1  |
| 4686.7  |
| 5185.1  |
| 5788.9  |
| 6511.0  |
| 7330.2  |
| 8156.1  |
| 9115.1  |
| 10047.8 |
| 10488.7 |
| 9916.2  |
| 7841.9  |
| 4443.2  |
| 1396.6  |
| 404.7   |
| 210.6   |
| 108.6   |
| 37.8    |
| 0.0     |