

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: P944820

Luminaire Tested: **GLAN-SB9D-950-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944820  
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-SB9D-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 65220 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 658  
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

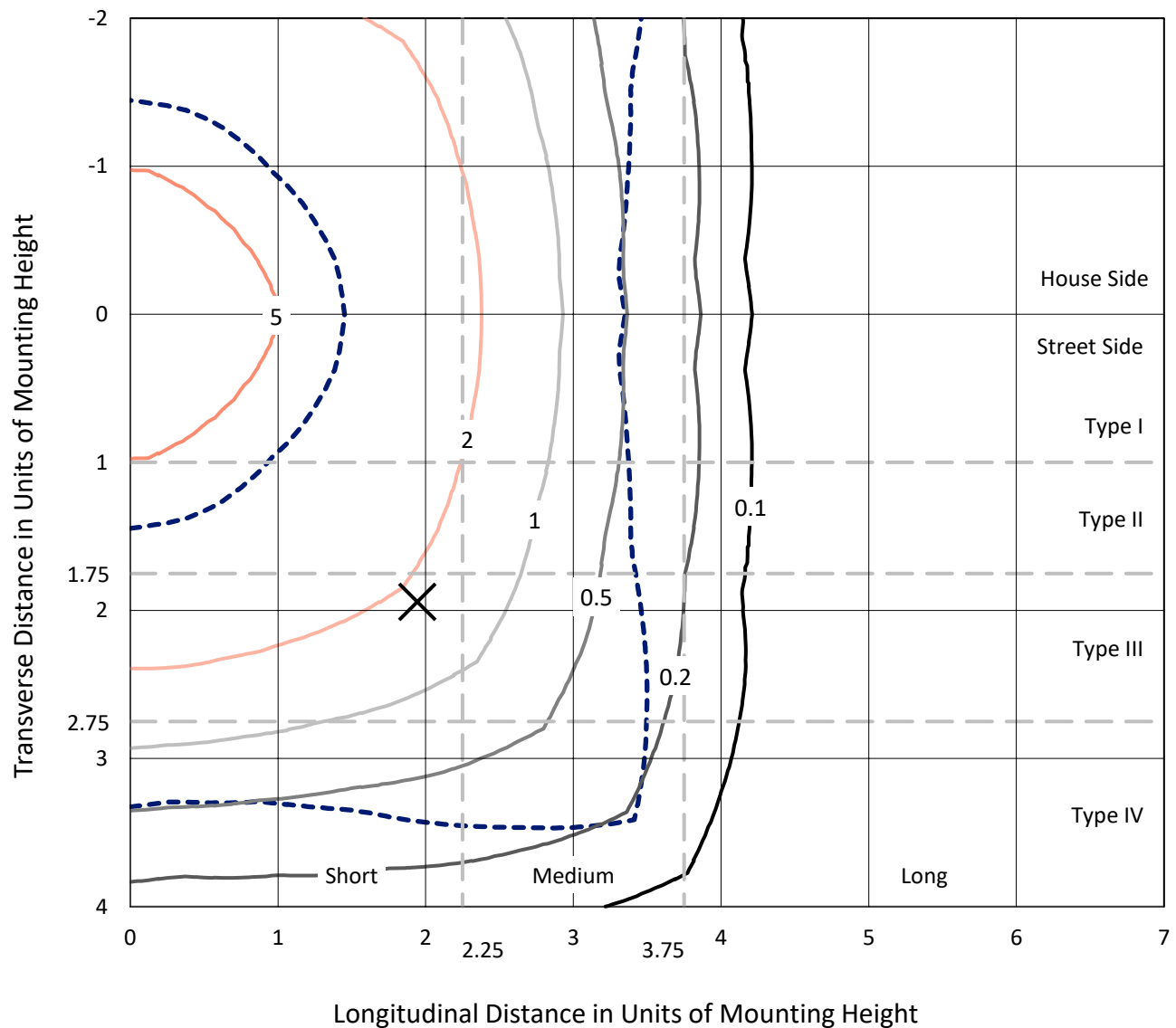


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## Iso-Footcandle Lines of Horizontal Illumination

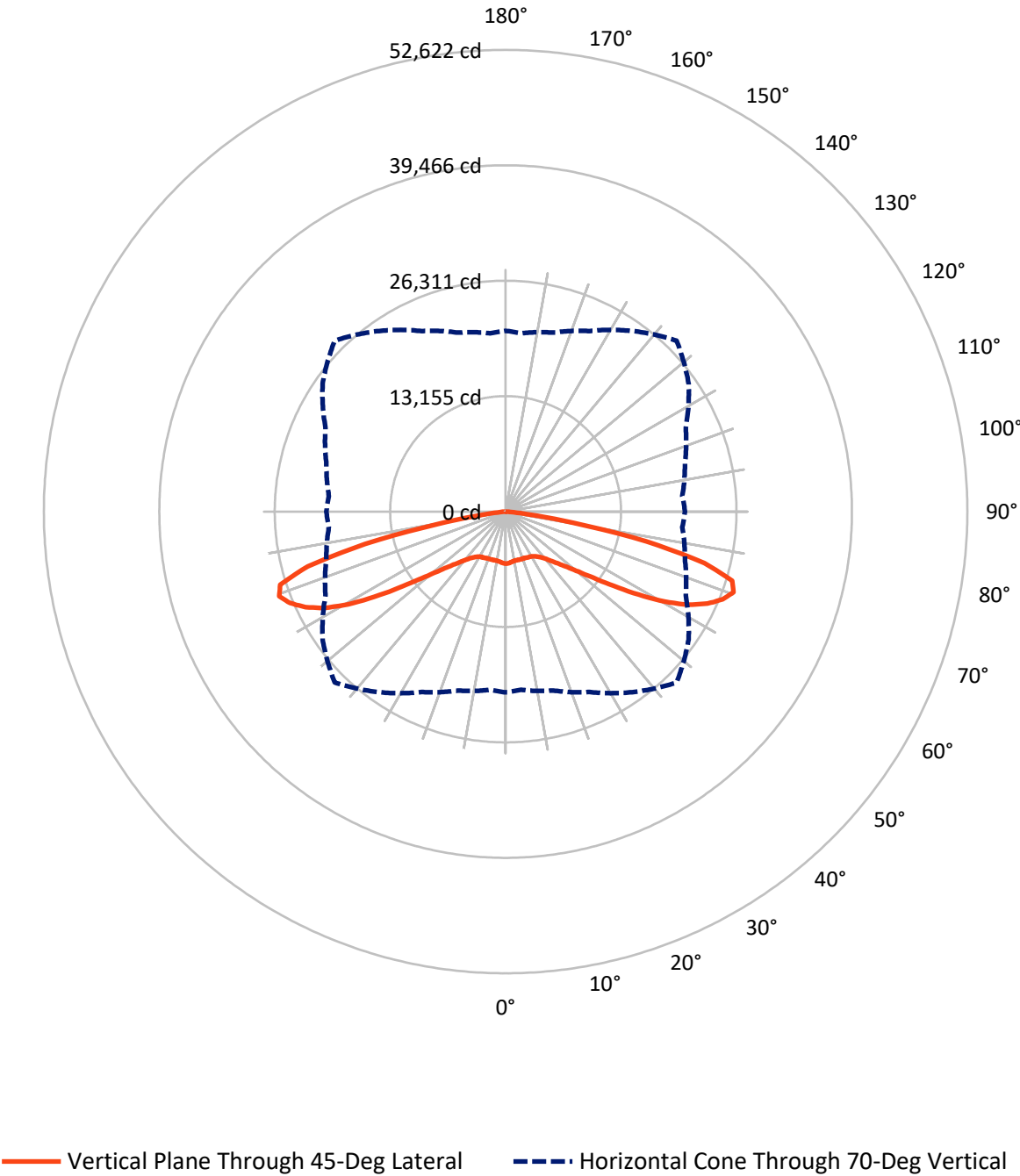
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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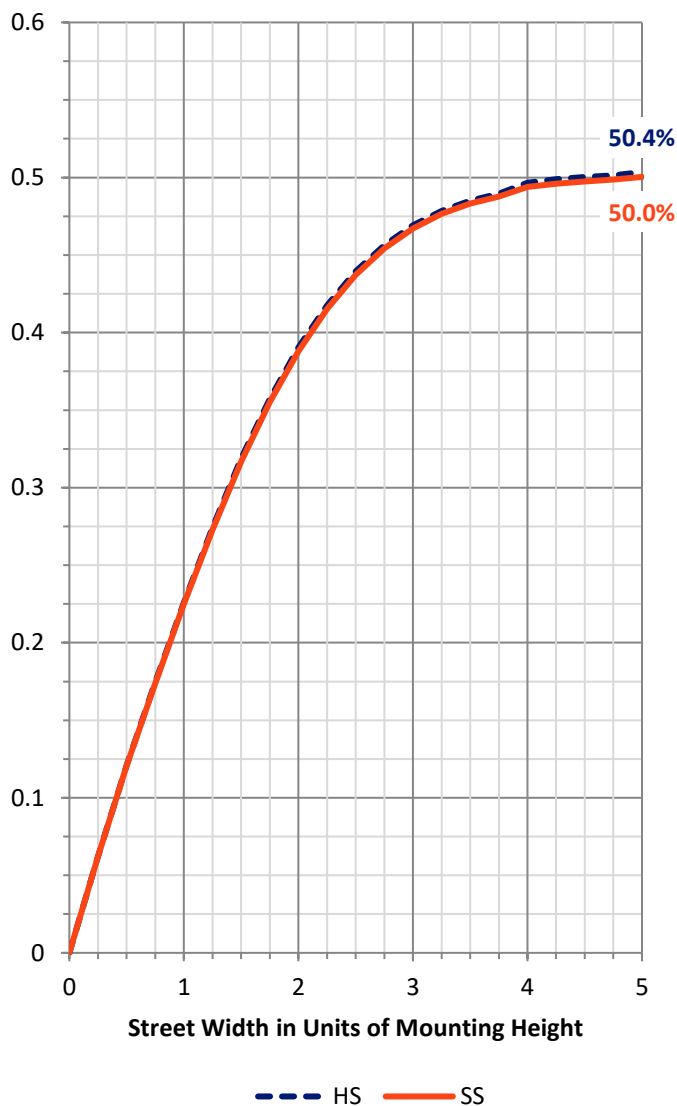
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 32610.0  | 0.0    | 32610.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 32610.0  | 0.0    | 32610.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 65220.0  | 0.0    | 65220.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 553.4   | 0.8       |
| 10°-20°   | 1625.0  | 2.5       |
| 20°-30°   | 2704.3  | 4.1       |
| 30°-40°   | 4089.7  | 6.3       |
| 40°-50°   | 6796.0  | 10.4      |
| 50°-60°   | 12823.9 | 19.7      |
| 60°-70°   | 21653.6 | 33.2      |
| 70°-80°   | 14228.7 | 21.8      |
| 80°-90°   | 745.4   | 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°    | 65220.0 | 100.0     |
| 0°-180°   | 65220.0 | 100.0     |

**Coefficient of Utilization**



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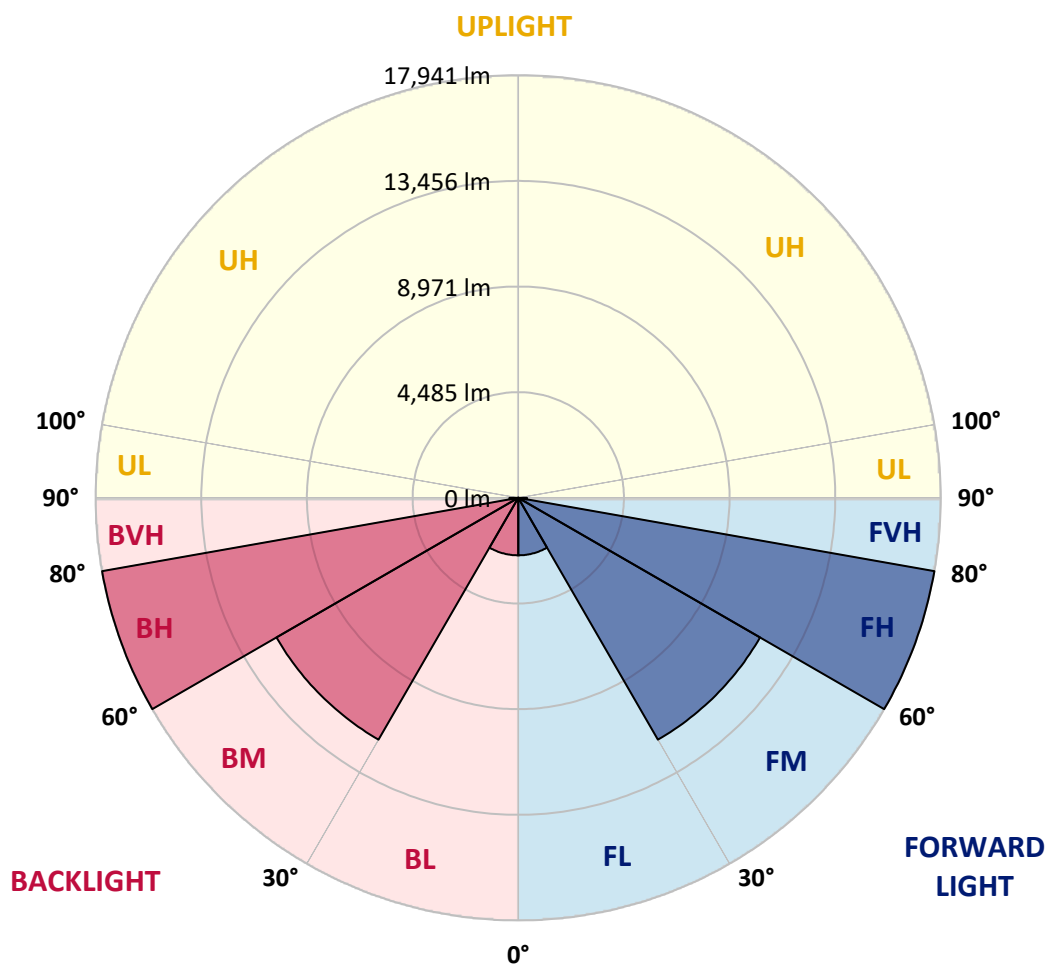
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2441.3  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 11854.8 | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 17941.1 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 372.7   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 2441.3  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 11854.8 | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 17941.1 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 372.7   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  | 5949.4  |
| 2.5°  | 5912.1  | 5929.0  | 5922.3  | 5908.7  | 5908.7  | 5898.5  | 5908.7  | 5915.5  | 5925.6  | 5932.4  |
| 5°    | 5834.1  | 5847.7  | 5844.3  | 5834.1  | 5837.5  | 5827.3  | 5834.1  | 5844.3  | 5851.1  | 5854.5  |
| 7.5°  | 5766.3  | 5779.9  | 5773.1  | 5756.1  | 5756.1  | 5746.0  | 5749.4  | 5759.5  | 5769.7  | 5773.1  |
| 10°   | 5749.4  | 5762.9  | 5742.6  | 5715.5  | 5705.3  | 5691.7  | 5695.1  | 5705.3  | 5725.6  | 5735.8  |
| 12.5° | 5756.1  | 5766.3  | 5746.0  | 5705.3  | 5695.1  | 5681.6  | 5681.6  | 5691.7  | 5718.9  | 5732.4  |
| 15°   | 5776.5  | 5786.7  | 5756.1  | 5712.1  | 5701.9  | 5691.7  | 5688.4  | 5701.9  | 5732.4  | 5756.1  |
| 17.5° | 5813.8  | 5823.9  | 5776.5  | 5715.5  | 5701.9  | 5705.3  | 5701.9  | 5712.1  | 5759.5  | 5803.6  |
| 20°   | 5847.7  | 5854.5  | 5790.0  | 5715.5  | 5701.9  | 5705.3  | 5701.9  | 5722.2  | 5783.3  | 5844.3  |
| 22.5° | 5857.8  | 5864.6  | 5803.6  | 5739.2  | 5729.0  | 5732.4  | 5729.0  | 5749.4  | 5807.0  | 5868.0  |
| 25°   | 5861.2  | 5871.4  | 5823.9  | 5773.1  | 5790.0  | 5796.8  | 5790.0  | 5793.4  | 5837.5  | 5891.7  |
| 27.5° | 5912.1  | 5925.6  | 5881.6  | 5837.5  | 5847.7  | 5844.3  | 5854.5  | 5864.6  | 5898.5  | 5952.8  |
| 30°   | 6017.2  | 6027.3  | 5990.1  | 5946.0  | 5939.2  | 5915.5  | 5946.0  | 5979.9  | 6017.2  | 6064.6  |
| 32.5° | 6190.1  | 6210.4  | 6162.9  | 6115.5  | 6085.0  | 6071.4  | 6095.1  | 6152.8  | 6203.6  | 6254.5  |
| 35°   | 6478.2  | 6491.8  | 6447.7  | 6359.6  | 6305.3  | 6305.3  | 6325.7  | 6400.2  | 6481.6  | 6546.0  |
| 37.5° | 6885.0  | 6902.0  | 6824.0  | 6718.9  | 6637.5  | 6637.5  | 6664.7  | 6742.6  | 6864.7  | 6956.2  |
| 40°   | 7379.9  | 7403.7  | 7305.4  | 7196.9  | 7118.9  | 7105.4  | 7139.3  | 7227.4  | 7342.7  | 7457.9  |
| 42.5° | 7976.6  | 8003.7  | 7874.9  | 7780.0  | 7718.9  | 7718.9  | 7735.9  | 7817.2  | 7922.3  | 8064.7  |
| 45°   | 8739.3  | 8786.8  | 8610.5  | 8515.6  | 8457.9  | 8471.5  | 8481.7  | 8552.9  | 8647.8  | 8810.5  |
| 47.5° | 9647.8  | 9695.3  | 9508.8  | 9410.5  | 9400.4  | 9464.8  | 9424.1  | 9474.9  | 9525.8  | 9712.2  |
| 50°   | 10678.4 | 10759.7 | 10630.9 | 10624.1 | 10644.5 | 10763.1 | 10668.2 | 10695.3 | 10637.7 | 10756.3 |
| 52.5° | 11939.4 | 12058.1 | 12034.4 | 12075.0 | 12302.2 | 12546.2 | 12329.3 | 12234.4 | 12017.4 | 12054.7 |
| 55°   | 13468.3 | 13648.0 | 13681.9 | 13925.9 | 14441.2 | 14939.5 | 14478.5 | 14095.4 | 13634.4 | 13549.7 |
| 57.5° | 15207.4 | 15349.7 | 15512.4 | 16010.8 | 16973.5 | 17858.3 | 16973.5 | 16126.0 | 15400.6 | 15227.7 |
| 60°   | 17078.6 | 17254.9 | 17410.8 | 18146.4 | 19577.0 | 20821.1 | 19549.9 | 18204.1 | 17244.7 | 17010.8 |
| 62.5° | 19088.9 | 19316.0 | 19424.5 | 20241.4 | 21909.3 | 23394.1 | 21933.0 | 20302.5 | 19238.0 | 18987.2 |
| 65°   | 21017.7 | 21204.2 | 21326.2 | 22197.4 | 23790.7 | 25278.9 | 23899.2 | 22292.4 | 21197.4 | 20868.6 |
| 67.5° | 21916.1 | 22017.8 | 22316.1 | 23302.6 | 24984.0 | 26682.4 | 25268.8 | 23407.7 | 22183.9 | 21607.6 |
| 70°   | 20600.8 | 20394.0 | 21112.7 | 22692.4 | 25126.4 | 27543.4 | 25451.8 | 22644.9 | 21146.6 | 20210.9 |
| 72.5° | 15919.2 | 15563.3 | 16810.8 | 19512.6 | 23499.2 | 26994.2 | 23661.9 | 19665.1 | 17587.1 | 15688.7 |
| 75°   | 8661.3  | 8257.9  | 9980.0  | 13397.1 | 18739.7 | 23397.5 | 19170.2 | 13780.2 | 11112.3 | 8596.9  |
| 77.5° | 2444.2  | 2291.6  | 3681.5  | 6481.6  | 11271.6 | 16427.7 | 11705.5 | 6624.0  | 4366.3  | 2589.9  |
| 80°   | 749.2   | 725.5   | 983.1   | 1952.6  | 4786.6  | 7868.1  | 4600.2  | 1976.3  | 1250.9  | 789.9   |
| 82.5° | 444.1   | 406.8   | 488.2   | 711.9   | 1220.4  | 2471.3  | 1186.5  | 742.4   | 596.6   | 400.0   |
| 85°   | 254.2   | 237.3   | 288.1   | 345.8   | 410.2   | 525.4   | 342.4   | 352.6   | 318.7   | 213.6   |
| 87.5° | 105.1   | 94.9    | 111.9   | 108.5   | 94.9    | 122.0   | 91.5    | 108.5   | 128.8   | 84.7    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 5949.4  |
| 5929.0  |
| 5854.5  |
| 5773.1  |
| 5735.8  |
| 5735.8  |
| 5759.5  |
| 5803.6  |
| 5847.7  |
| 5868.0  |
| 5888.4  |
| 5939.2  |
| 6054.5  |
| 6234.1  |
| 6522.3  |
| 6922.3  |
| 7420.6  |
| 8054.5  |
| 8803.7  |
| 9658.0  |
| 10685.1 |
| 11929.3 |
| 13417.5 |
| 15105.7 |
| 16807.4 |
| 18783.8 |
| 20705.9 |
| 21614.4 |
| 20434.7 |
| 16159.9 |
| 9156.3  |
| 2878.1  |
| 833.9   |
| 433.9   |
| 223.7   |
| 78.0    |
| 0.0     |