

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: P942850

Luminaire Tested: **GLAN-SB7A-760-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942850  
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-SB7A-760-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34139 lumens  
Efficiency: N/A  
Efficacy: 171.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 199.1  
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

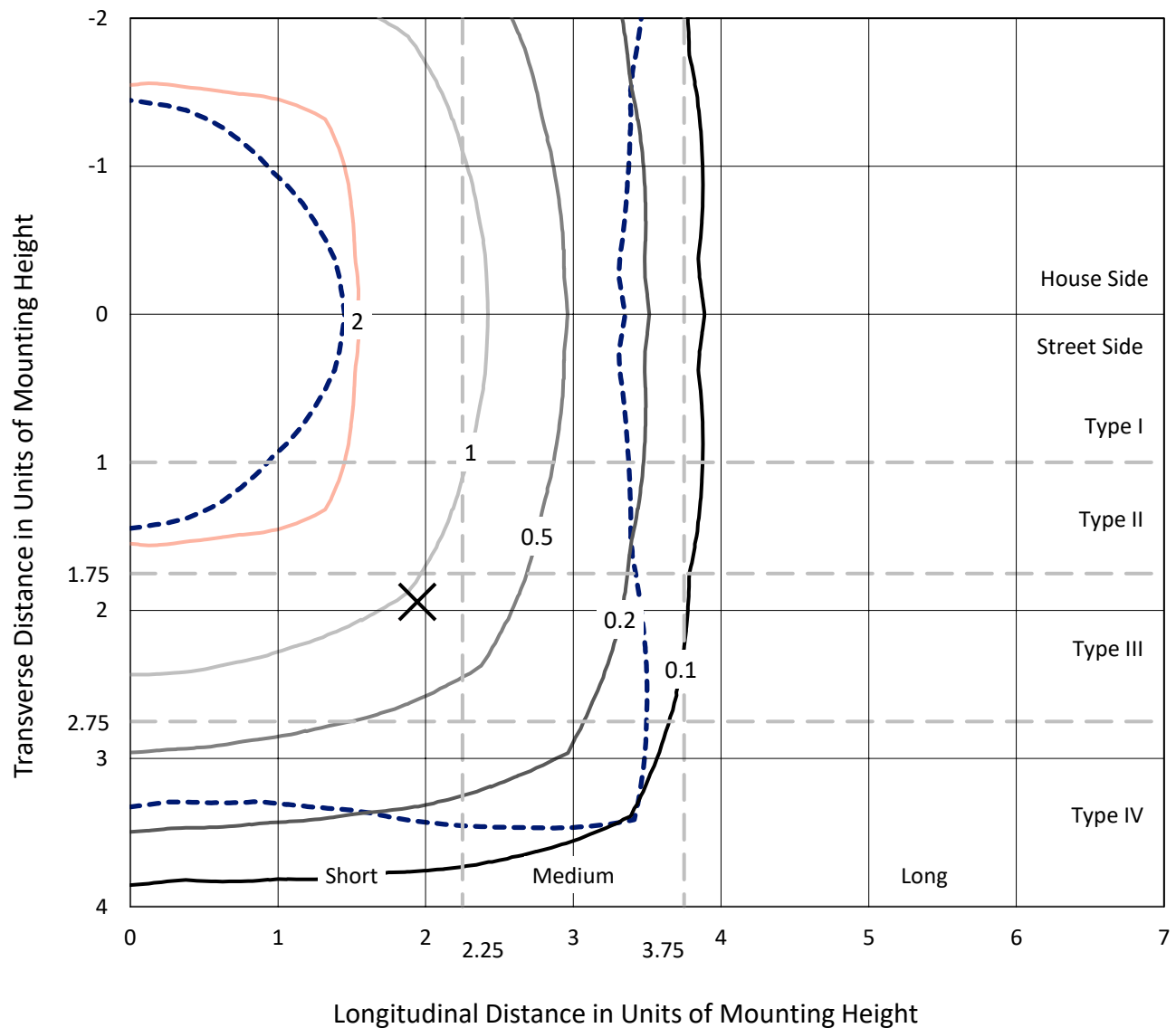


REPORT NUMBER: P942850

CATALOG NUMBER: GLAN-SB7A-760-U-5WQ

## Iso-Footcandle Lines of Horizontal Illumination

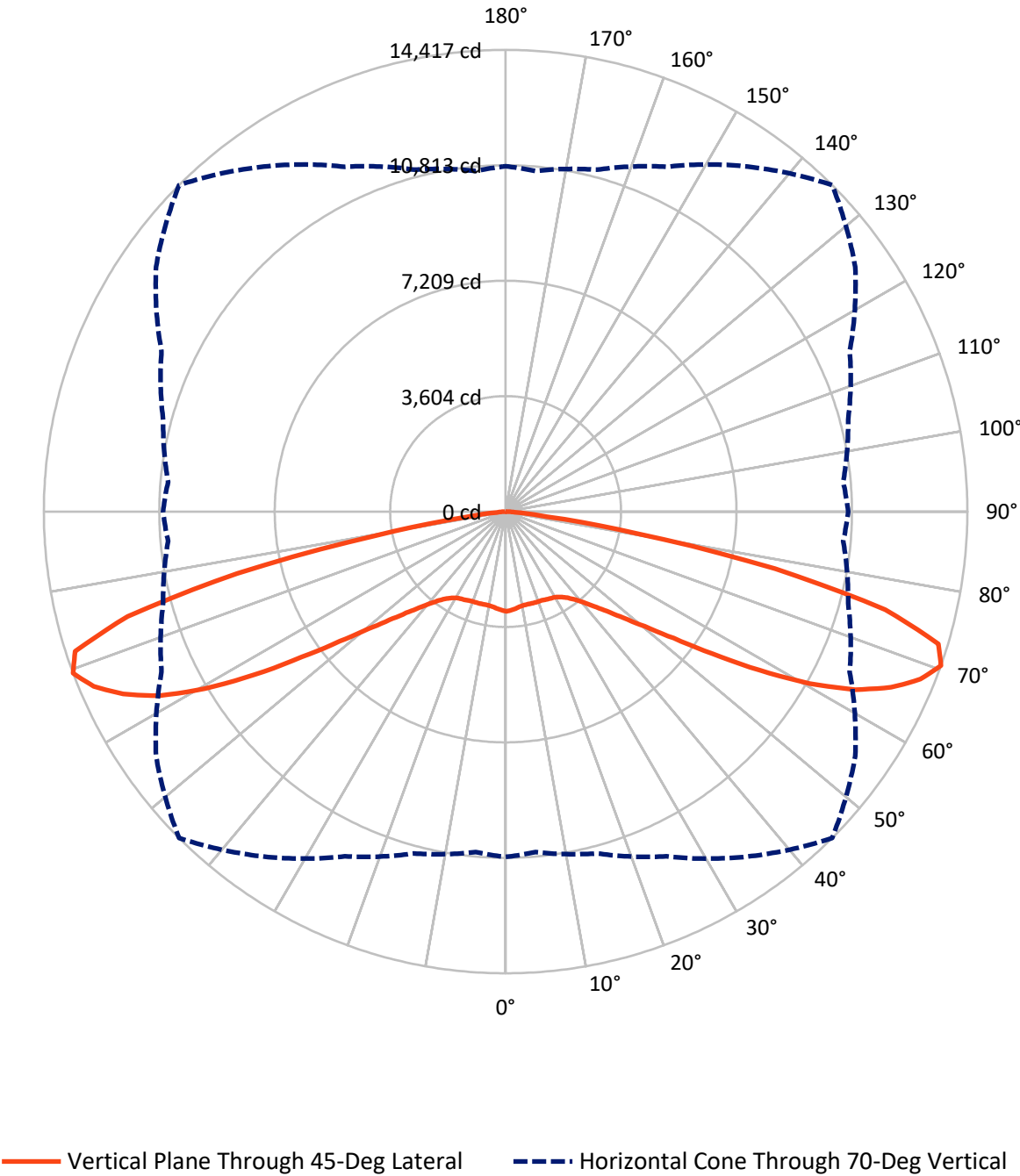
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
Type V - Short - N/A

REPORT NUMBER: P942850  
CATALOG NUMBER: GLAN-SB7A-760-U-5WQ

Luminous Intensity Polar Plot



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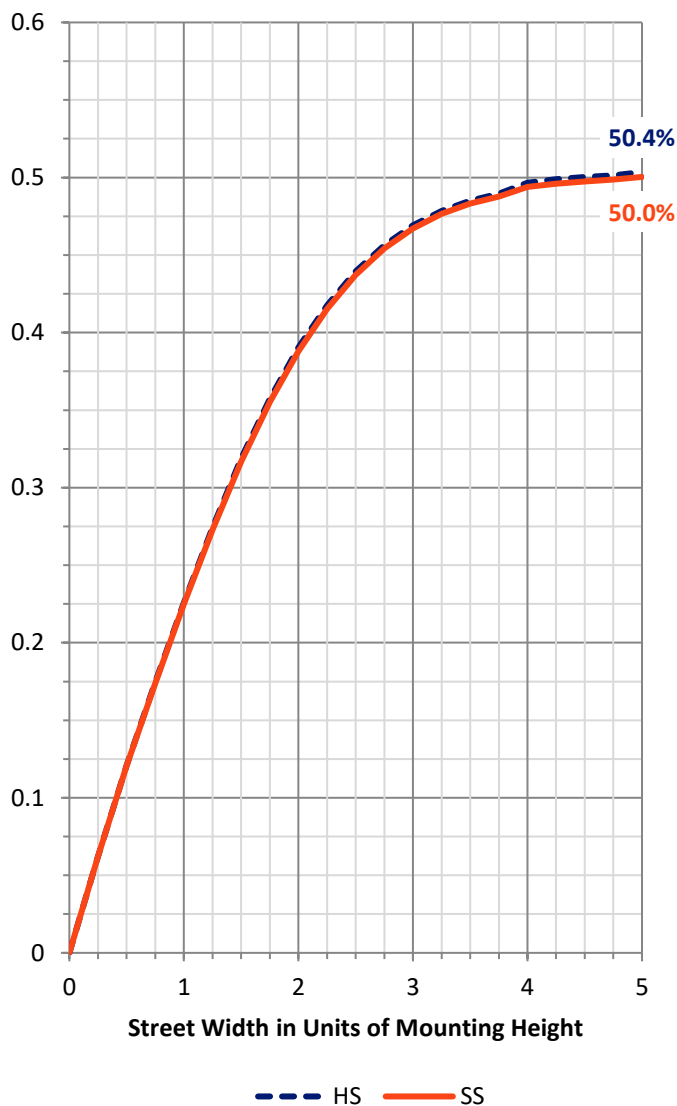
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17069.5  | 0.0    | 17069.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 17069.5  | 0.0    | 17069.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 34139.0  | 0.0    | 34139.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 289.7   | 0.8       |
| 10°-20°   | 850.6   | 2.5       |
| 20°-30°   | 1415.5  | 4.1       |
| 30°-40°   | 2140.7  | 6.3       |
| 40°-50°   | 3557.3  | 10.4      |
| 50°-60°   | 6712.6  | 19.7      |
| 60°-70°   | 11334.5 | 33.2      |
| 70°-80°   | 7447.9  | 21.8      |
| 80°-90°   | 390.2   | 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°    | 34139.0 | 100.0     |
| 0°-180°   | 34139.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942850

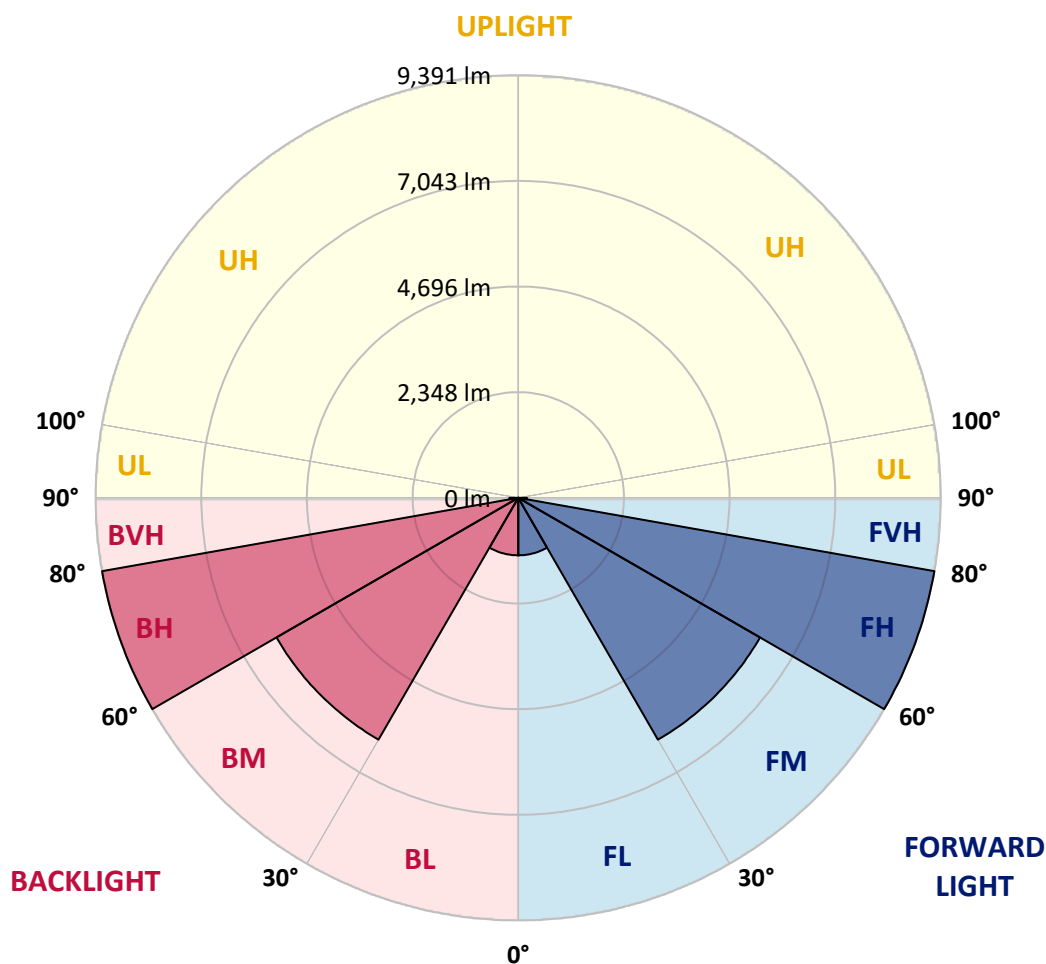
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1277.9 | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 6205.3 | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 9391.2 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 195.1  | 0.6       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1277.9 | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 6205.3 | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 9391.2 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 195.1  | 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°    | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  | 3114.2  |
| 2.5°  | 3094.6  | 3103.5  | 3100.0  | 3092.9  | 3092.9  | 3087.5  | 3092.9  | 3096.4  | 3101.7  | 3105.3  |
| 5°    | 3053.8  | 3060.9  | 3059.2  | 3053.8  | 3055.6  | 3050.3  | 3053.8  | 3059.2  | 3062.7  | 3064.5  |
| 7.5°  | 3018.3  | 3025.4  | 3021.9  | 3013.0  | 3013.0  | 3007.7  | 3009.5  | 3014.8  | 3020.1  | 3021.9  |
| 10°   | 3009.5  | 3016.6  | 3005.9  | 2991.7  | 2986.4  | 2979.3  | 2981.1  | 2986.4  | 2997.1  | 3002.4  |
| 12.5° | 3013.0  | 3018.3  | 3007.7  | 2986.4  | 2981.1  | 2974.0  | 2974.0  | 2979.3  | 2993.5  | 3000.6  |
| 15°   | 3023.7  | 3029.0  | 3013.0  | 2990.0  | 2984.6  | 2979.3  | 2977.5  | 2984.6  | 3000.6  | 3013.0  |
| 17.5° | 3043.2  | 3048.5  | 3023.7  | 2991.7  | 2984.6  | 2986.4  | 2984.6  | 2990.0  | 3014.8  | 3037.9  |
| 20°   | 3060.9  | 3064.5  | 3030.8  | 2991.7  | 2984.6  | 2986.4  | 2984.6  | 2995.3  | 3027.2  | 3059.2  |
| 22.5° | 3066.3  | 3069.8  | 3037.9  | 3004.1  | 2998.8  | 3000.6  | 2998.8  | 3009.5  | 3039.6  | 3071.6  |
| 25°   | 3068.0  | 3073.4  | 3048.5  | 3021.9  | 3030.8  | 3034.3  | 3030.8  | 3032.5  | 3055.6  | 3084.0  |
| 27.5° | 3094.6  | 3101.7  | 3078.7  | 3055.6  | 3060.9  | 3059.2  | 3064.5  | 3069.8  | 3087.5  | 3115.9  |
| 30°   | 3149.7  | 3155.0  | 3135.5  | 3112.4  | 3108.8  | 3096.4  | 3112.4  | 3130.1  | 3149.7  | 3174.5  |
| 32.5° | 3240.2  | 3250.8  | 3226.0  | 3201.1  | 3185.1  | 3178.0  | 3190.5  | 3220.6  | 3247.2  | 3273.9  |
| 35°   | 3391.0  | 3398.1  | 3375.0  | 3328.9  | 3300.5  | 3300.5  | 3311.1  | 3350.2  | 3392.8  | 3426.5  |
| 37.5° | 3603.9  | 3612.8  | 3572.0  | 3517.0  | 3474.4  | 3474.4  | 3488.6  | 3529.4  | 3593.3  | 3641.2  |
| 40°   | 3863.0  | 3875.4  | 3823.9  | 3767.2  | 3726.4  | 3719.3  | 3737.0  | 3783.1  | 3843.5  | 3903.8  |
| 42.5° | 4175.3  | 4189.5  | 4122.1  | 4072.4  | 4040.4  | 4040.4  | 4049.3  | 4091.9  | 4146.9  | 4221.4  |
| 45°   | 4574.5  | 4599.4  | 4507.1  | 4457.4  | 4427.3  | 4434.4  | 4439.7  | 4476.9  | 4526.6  | 4611.8  |
| 47.5° | 5050.1  | 5074.9  | 4977.3  | 4925.9  | 4920.6  | 4954.3  | 4933.0  | 4959.6  | 4986.2  | 5083.8  |
| 50°   | 5589.5  | 5632.1  | 5564.7  | 5561.1  | 5571.8  | 5633.9  | 5584.2  | 5598.4  | 5568.2  | 5630.3  |
| 52.5° | 6249.6  | 6311.7  | 6299.3  | 6320.6  | 6439.5  | 6567.2  | 6453.7  | 6404.0  | 6290.4  | 6310.0  |
| 55°   | 7049.9  | 7143.9  | 7161.7  | 7289.5  | 7559.2  | 7820.0  | 7578.7  | 7378.2  | 7136.8  | 7092.5  |
| 57.5° | 7960.2  | 8034.7  | 8119.9  | 8380.7  | 8884.7  | 9347.8  | 8884.7  | 8441.1  | 8061.3  | 7970.8  |
| 60°   | 8939.7  | 9032.0  | 9113.6  | 9498.6  | 10247.5 | 10898.7 | 10233.3 | 9528.8  | 9026.6  | 8904.2  |
| 62.5° | 9991.9  | 10110.8 | 10167.6 | 10595.3 | 11468.3 | 12245.5 | 11480.7 | 10627.2 | 10070.0 | 9938.7  |
| 65°   | 11001.6 | 11099.2 | 11163.1 | 11619.1 | 12453.1 | 13232.1 | 12509.9 | 11668.8 | 11095.7 | 10923.5 |
| 67.5° | 11471.8 | 11525.1 | 11681.2 | 12197.6 | 13077.7 | 13966.7 | 13226.8 | 12252.6 | 11612.0 | 11310.4 |
| 70°   | 10783.3 | 10675.1 | 11051.3 | 11878.2 | 13152.2 | 14417.4 | 13322.6 | 11853.3 | 11069.0 | 10579.3 |
| 72.5° | 8332.8  | 8146.5  | 8799.5  | 10213.7 | 12300.5 | 14130.0 | 12385.7 | 10293.6 | 9205.9  | 8212.2  |
| 75°   | 4533.7  | 4322.6  | 5224.0  | 7012.6  | 9809.2  | 12247.3 | 10034.5 | 7213.1  | 5816.7  | 4500.0  |
| 77.5° | 1279.4  | 1199.5  | 1927.1  | 3392.8  | 5900.1  | 8599.0  | 6127.2  | 3467.3  | 2285.5  | 1355.7  |
| 80°   | 392.2   | 379.7   | 514.6   | 1022.1  | 2505.5  | 4118.5  | 2407.9  | 1034.5  | 654.8   | 413.4   |
| 82.5° | 232.5   | 212.9   | 255.5   | 372.6   | 638.8   | 1293.6  | 621.1   | 388.6   | 312.3   | 209.4   |
| 85°   | 133.1   | 124.2   | 150.8   | 181.0   | 214.7   | 275.0   | 179.2   | 184.5   | 166.8   | 111.8   |
| 87.5° | 55.0    | 49.7    | 58.6    | 56.8    | 49.7    | 63.9    | 47.9    | 56.8    | 67.4    | 44.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3114.2  |
| 3103.5  |
| 3064.5  |
| 3021.9  |
| 3002.4  |
| 3002.4  |
| 3014.8  |
| 3037.9  |
| 3060.9  |
| 3071.6  |
| 3082.2  |
| 3108.8  |
| 3169.2  |
| 3263.2  |
| 3414.0  |
| 3623.4  |
| 3884.3  |
| 4216.1  |
| 4608.3  |
| 5055.4  |
| 5593.1  |
| 6244.3  |
| 7023.3  |
| 7907.0  |
| 8797.7  |
| 9832.2  |
| 10838.4 |
| 11313.9 |
| 10696.4 |
| 8458.8  |
| 4792.8  |
| 1506.5  |
| 436.5   |
| 227.1   |
| 117.1   |
| 40.8    |
| 0.0     |