

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: P953735

Luminaire Tested: **GLAN-SB7A-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23255 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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



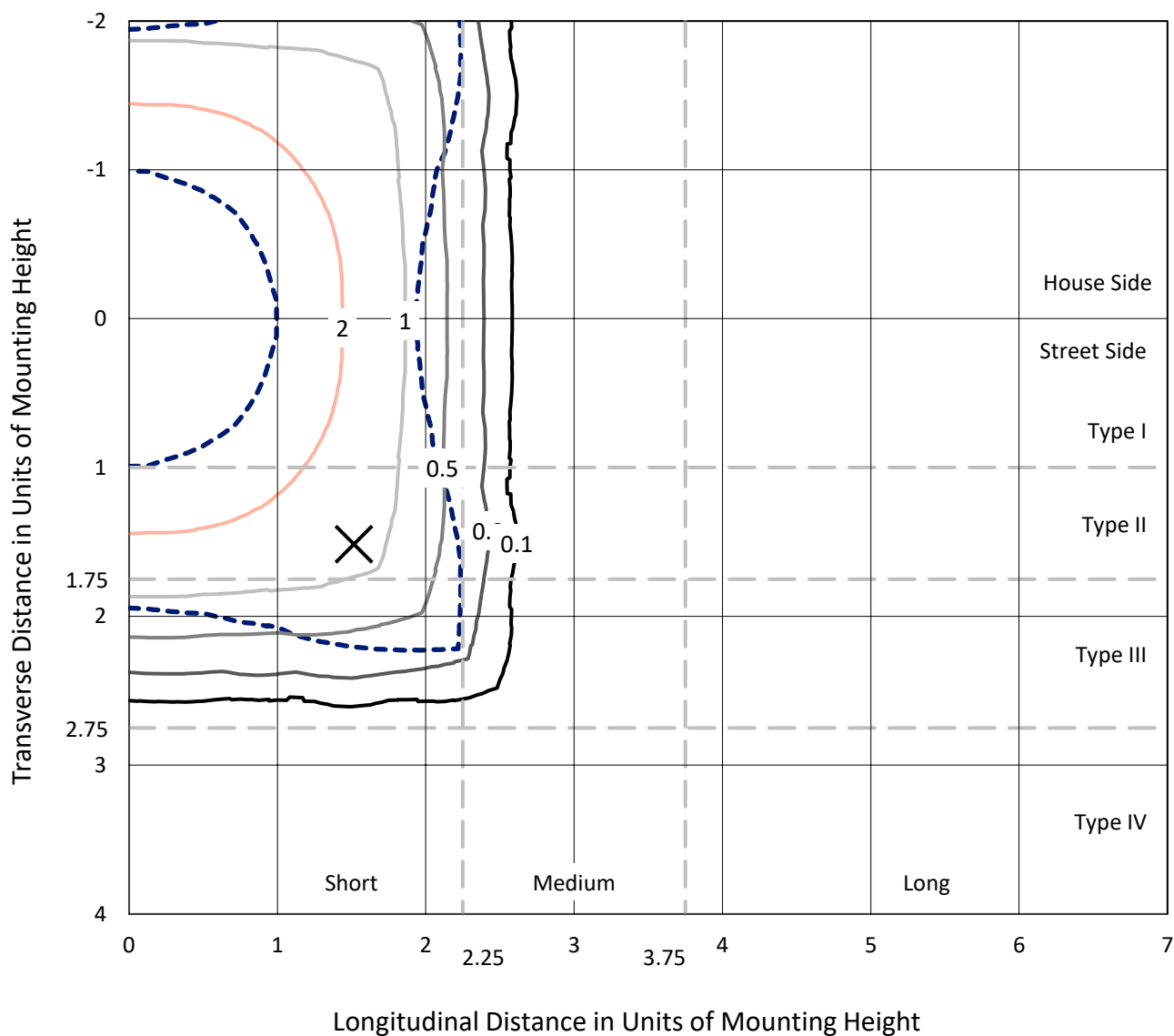
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## Iso-Footcandle Lines of Horizontal Illumination

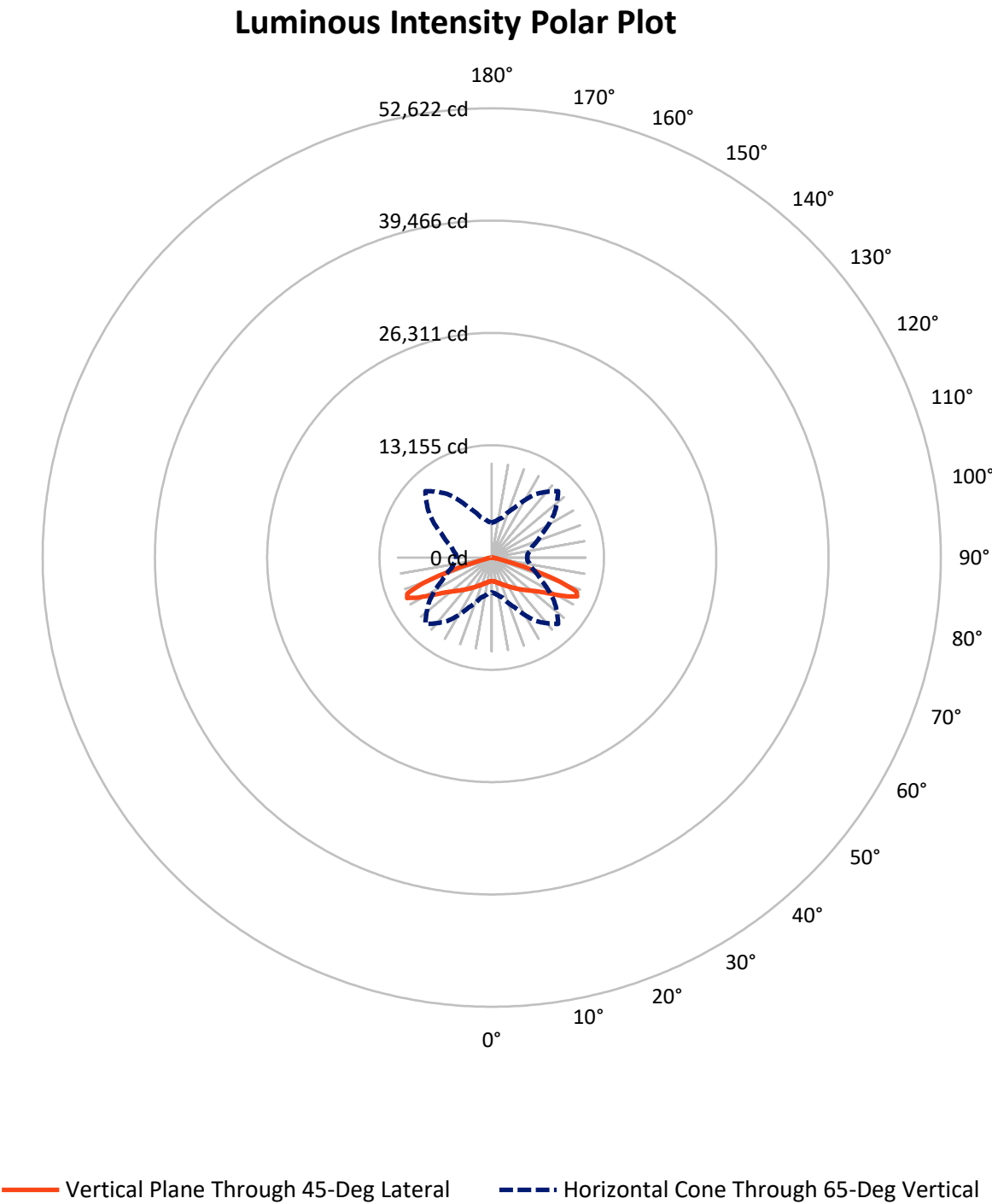
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
Type V - Short - N/A

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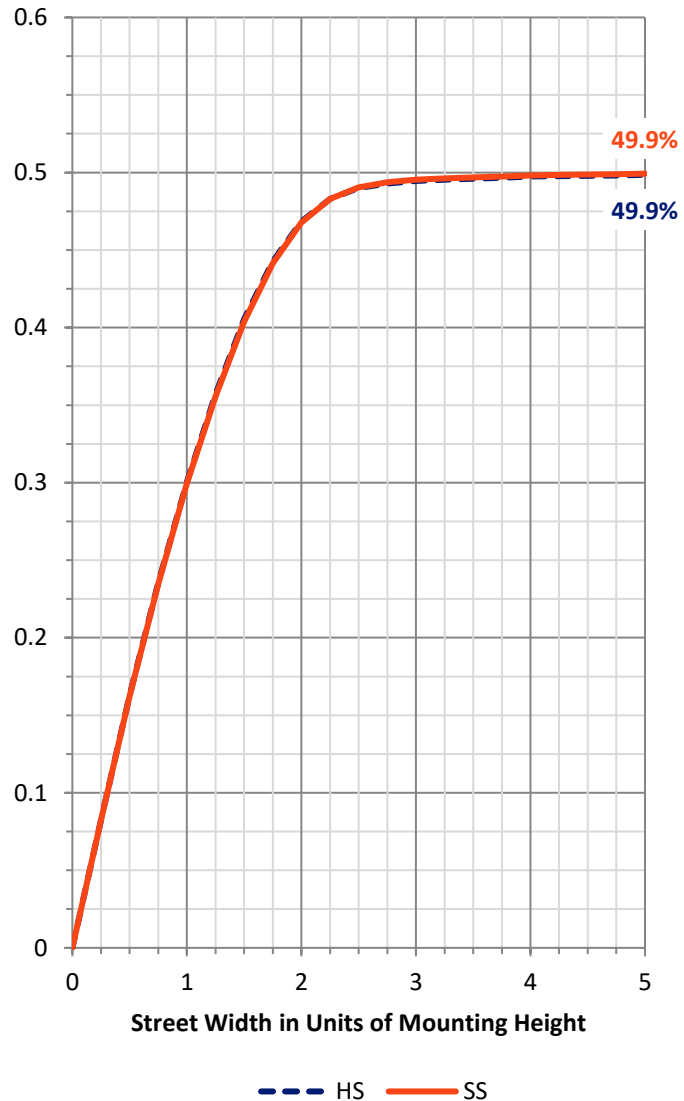
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11627.5  | 0.0    | 11627.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11627.5  | 0.0    | 11627.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 23255.0  | 0.0    | 23255.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 273.1   | 1.2       |
| 10°-20°   | 891.3   | 3.8       |
| 20°-30°   | 1682.8  | 7.2       |
| 30°-40°   | 2755.5  | 11.8      |
| 40°-50°   | 4272.4  | 18.4      |
| 50°-60°   | 6311.3  | 27.1      |
| 60°-70°   | 6007.8  | 25.8      |
| 70°-80°   | 969.4   | 4.2       |
| 80°-90°   | 91.4    | 0.4       |
| 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°    | 23255.0 | 100.0     |
| 0°-180°   | 23255.0 | 100.0     |

**Coefficient of Utilization**



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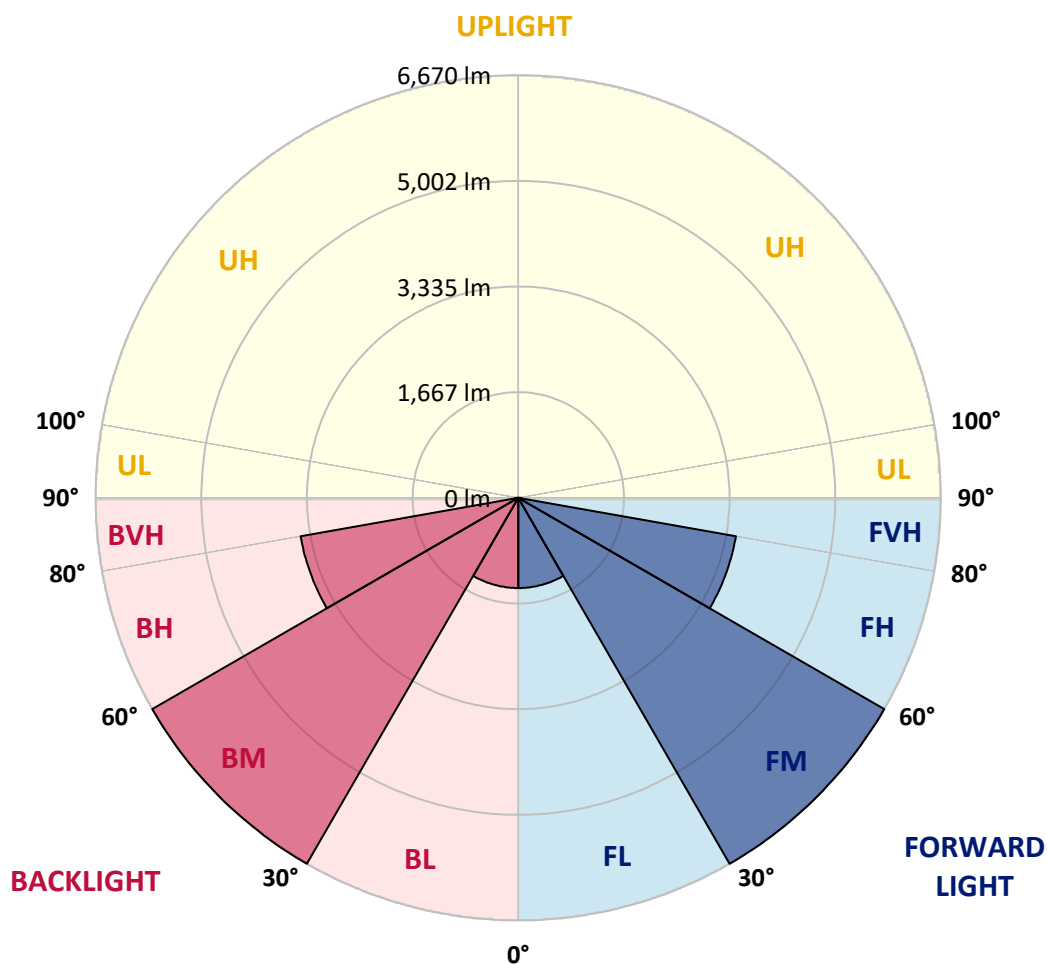
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1423.6 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 6669.6 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 3488.6 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 45.7   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1423.6 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6669.6 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3488.6 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 45.7   | 0.2       |                         |      | 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°    | 2767.6 | 2767.6 | 2767.6 | 2767.6 | 2767.6 | 2767.6  | 2767.6 | 2767.6 | 2767.6 | 2767.6 |
| 2.5°  | 2786.2 | 2776.9 | 2783.9 | 2778.1 | 2773.4 | 2768.7  | 2771.1 | 2779.2 | 2782.7 | 2783.9 |
| 5°    | 2823.6 | 2815.4 | 2818.9 | 2818.9 | 2810.7 | 2808.4  | 2809.6 | 2815.4 | 2822.4 | 2822.4 |
| 7.5°  | 2884.3 | 2876.1 | 2884.3 | 2879.6 | 2872.6 | 2870.3  | 2869.1 | 2873.8 | 2884.3 | 2884.3 |
| 10°   | 2957.8 | 2948.4 | 2953.1 | 2950.8 | 2942.6 | 2939.1  | 2937.9 | 2944.9 | 2954.3 | 2953.1 |
| 12.5° | 3038.3 | 3027.8 | 3033.6 | 3026.6 | 3024.3 | 3020.8  | 3020.8 | 3019.6 | 3025.4 | 3020.8 |
| 15°   | 3128.1 | 3121.1 | 3123.4 | 3118.8 | 3122.3 | 3119.9  | 3110.6 | 3105.9 | 3108.3 | 3101.3 |
| 17.5° | 3234.3 | 3218.0 | 3226.1 | 3223.8 | 3223.8 | 3228.5  | 3213.3 | 3207.4 | 3212.1 | 3205.1 |
| 20°   | 3356.8 | 3340.5 | 3344.0 | 3339.3 | 3333.5 | 3338.1  | 3319.5 | 3324.1 | 3327.6 | 3323.0 |
| 22.5° | 3491.0 | 3470.0 | 3468.8 | 3471.1 | 3458.3 | 3459.5  | 3446.6 | 3458.3 | 3465.3 | 3452.5 |
| 25°   | 3628.7 | 3606.5 | 3621.7 | 3615.8 | 3599.5 | 3603.0  | 3593.7 | 3605.3 | 3611.2 | 3594.8 |
| 27.5° | 3774.5 | 3759.3 | 3773.3 | 3776.8 | 3757.0 | 3771.0  | 3757.0 | 3767.5 | 3773.3 | 3748.8 |
| 30°   | 3944.8 | 3929.7 | 3942.5 | 3951.8 | 3928.5 | 3950.7  | 3939.0 | 3946.0 | 3947.2 | 3918.0 |
| 32.5° | 4130.4 | 4107.0 | 4139.7 | 4144.4 | 4118.7 | 4145.5  | 4130.4 | 4139.7 | 4145.5 | 4105.9 |
| 35°   | 4356.7 | 4327.5 | 4364.9 | 4359.1 | 4336.9 | 4359.1  | 4345.1 | 4359.1 | 4373.1 | 4325.2 |
| 37.5° | 4600.6 | 4570.2 | 4609.9 | 4599.4 | 4578.4 | 4593.6  | 4585.4 | 4594.7 | 4616.9 | 4565.6 |
| 40°   | 4868.9 | 4831.6 | 4885.3 | 4866.6 | 4846.8 | 4844.4  | 4849.1 | 4854.9 | 4884.1 | 4826.9 |
| 42.5° | 5156.0 | 5116.3 | 5196.8 | 5167.6 | 5139.6 | 5121.0  | 5136.1 | 5147.8 | 5175.8 | 5111.6 |
| 45°   | 5483.8 | 5438.3 | 5543.3 | 5508.3 | 5464.0 | 5425.5  | 5450.0 | 5467.5 | 5508.3 | 5431.3 |
| 47.5° | 5845.5 | 5794.2 | 5906.2 | 5895.7 | 5823.3 | 5739.3  | 5795.3 | 5845.5 | 5875.9 | 5782.5 |
| 50°   | 6199.0 | 6159.4 | 6306.4 | 6319.2 | 6230.5 | 6112.7  | 6190.9 | 6266.7 | 6274.9 | 6152.4 |
| 52.5° | 6530.4 | 6490.7 | 6704.3 | 6784.8 | 6705.4 | 6565.4  | 6648.3 | 6725.3 | 6663.4 | 6504.7 |
| 55°   | 6795.3 | 6762.6 | 7034.5 | 7242.1 | 7269.0 | 7153.5  | 7202.5 | 7200.1 | 6997.1 | 6753.3 |
| 57.5° | 6859.4 | 6854.8 | 7197.8 | 7637.7 | 7917.7 | 7931.7  | 7834.9 | 7587.5 | 7150.0 | 6822.1 |
| 60°   | 6567.7 | 6596.9 | 7068.3 | 7844.2 | 8590.9 | 8901.3  | 8482.4 | 7776.5 | 6976.1 | 6521.1 |
| 62.5° | 5695.0 | 5772.0 | 6340.2 | 7592.2 | 9134.6 | 10016.7 | 9001.6 | 7489.5 | 6262.1 | 5668.2 |
| 65°   | 4081.4 | 4215.5 | 4843.3 | 6479.1 | 9085.6 | 10996.8 | 8927.0 | 6426.6 | 4889.9 | 4205.0 |
| 67.5° | 1851.7 | 1988.2 | 2521.4 | 4436.1 | 7897.9 | 10730.8 | 7879.2 | 4482.7 | 2647.4 | 1995.2 |
| 70°   | 670.9  | 694.2  | 865.7  | 1775.8 | 5047.4 | 8550.1  | 5263.3 | 1788.7 | 920.6  | 739.7  |
| 72.5° | 406.0  | 409.5  | 445.7  | 635.9  | 1753.7 | 5191.0  | 1828.3 | 656.9  | 455.0  | 403.7  |
| 75°   | 257.9  | 255.5  | 317.4  | 388.5  | 621.9  | 1751.3  | 652.2  | 388.5  | 316.2  | 288.2  |
| 77.5° | 185.5  | 191.4  | 227.5  | 290.5  | 392.0  | 593.9   | 385.0  | 277.7  | 227.5  | 186.7  |
| 80°   | 138.8  | 142.3  | 165.7  | 226.4  | 275.4  | 369.9   | 245.0  | 205.4  | 171.5  | 116.7  |
| 82.5° | 100.3  | 100.3  | 108.5  | 164.5  | 168.0  | 199.5   | 133.0  | 144.7  | 113.2  | 82.8   |
| 85°   | 59.5   | 58.3   | 67.7   | 98.0   | 87.5   | 73.5    | 60.7   | 88.7   | 71.2   | 51.3   |
| 87.5° | 21.0   | 22.2   | 21.0   | 28.0   | 23.3   | 19.8    | 18.7   | 24.5   | 19.8   | 17.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2767.6 |
| 2783.9 |
| 2822.4 |
| 2880.8 |
| 2950.8 |
| 3023.1 |
| 3102.4 |
| 3211.0 |
| 3333.5 |
| 3465.3 |
| 3613.5 |
| 3767.5 |
| 3935.5 |
| 4132.7 |
| 4354.4 |
| 4597.1 |
| 4845.6 |
| 5145.5 |
| 5471.0 |
| 5814.0 |
| 6167.5 |
| 6509.4 |
| 6761.4 |
| 6801.1 |
| 6467.4 |
| 5633.2 |
| 4154.9 |
| 1966.0 |
| 730.4  |
| 410.7  |
| 290.5  |
| 190.2  |
| 120.2  |
| 82.8   |
| 50.2   |
| 16.3   |
| 0.0    |