

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: P956804

Luminaire Tested: **GLAN-SB9B-835-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-835-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48988 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 329.5  
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

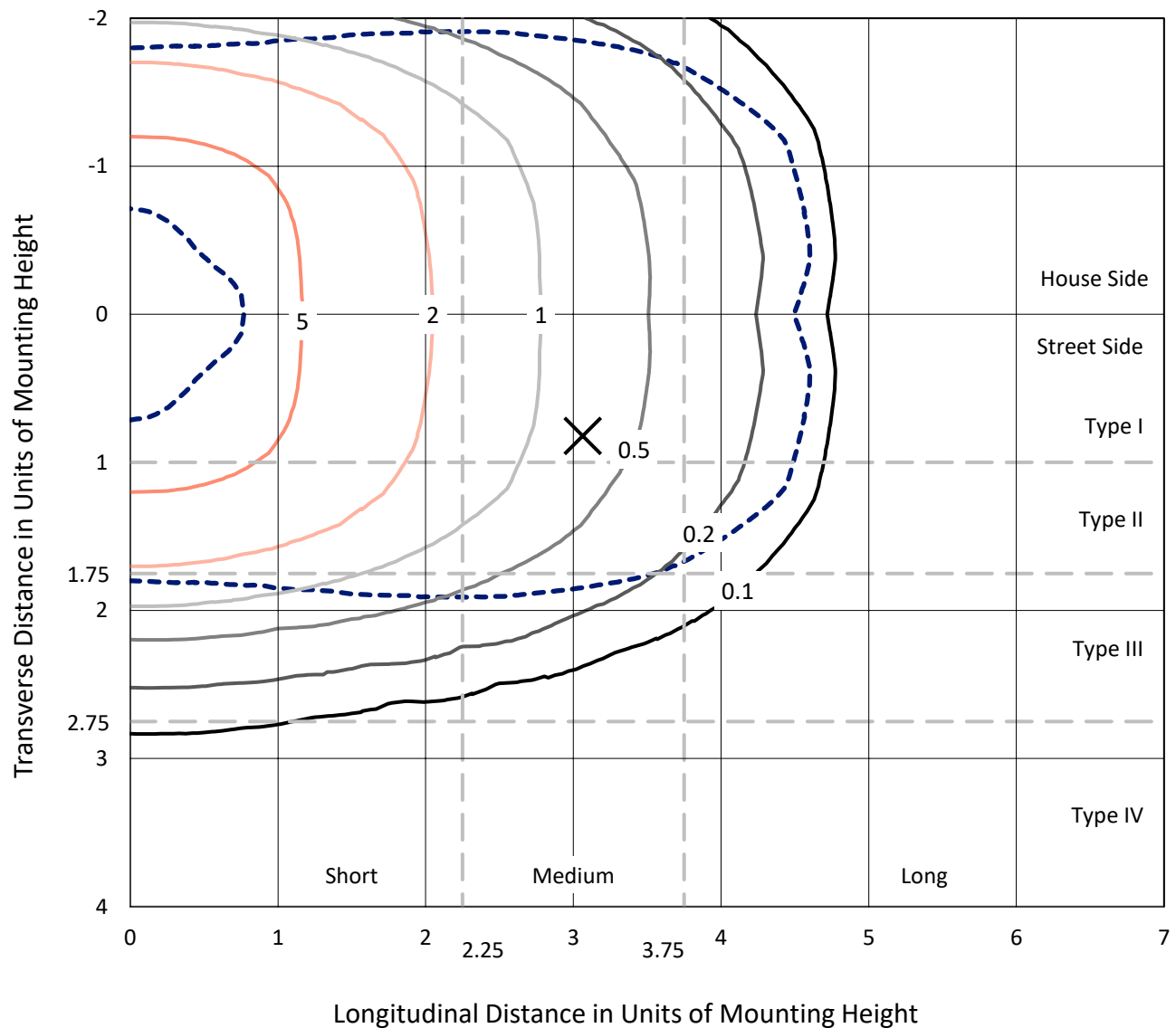


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

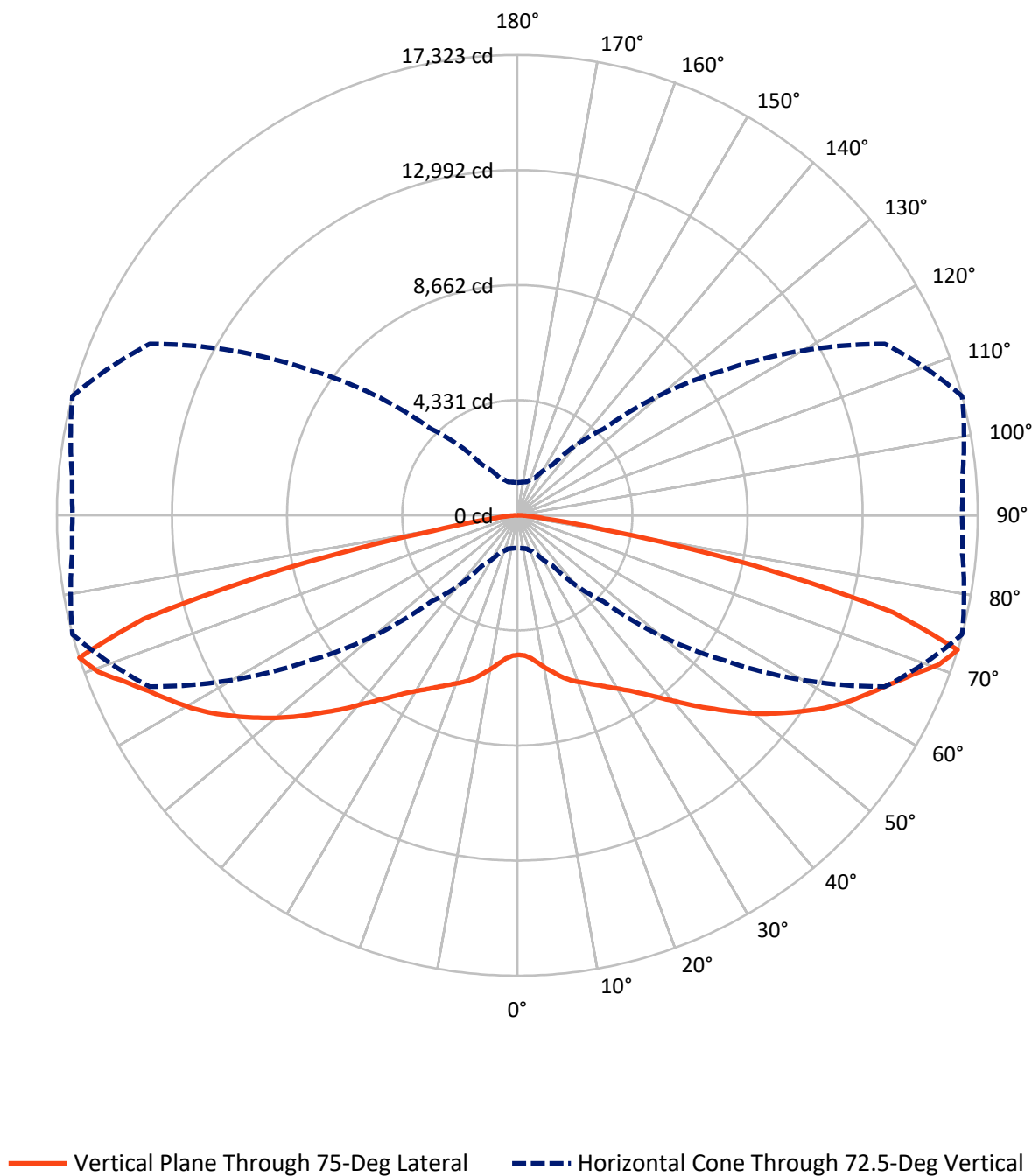


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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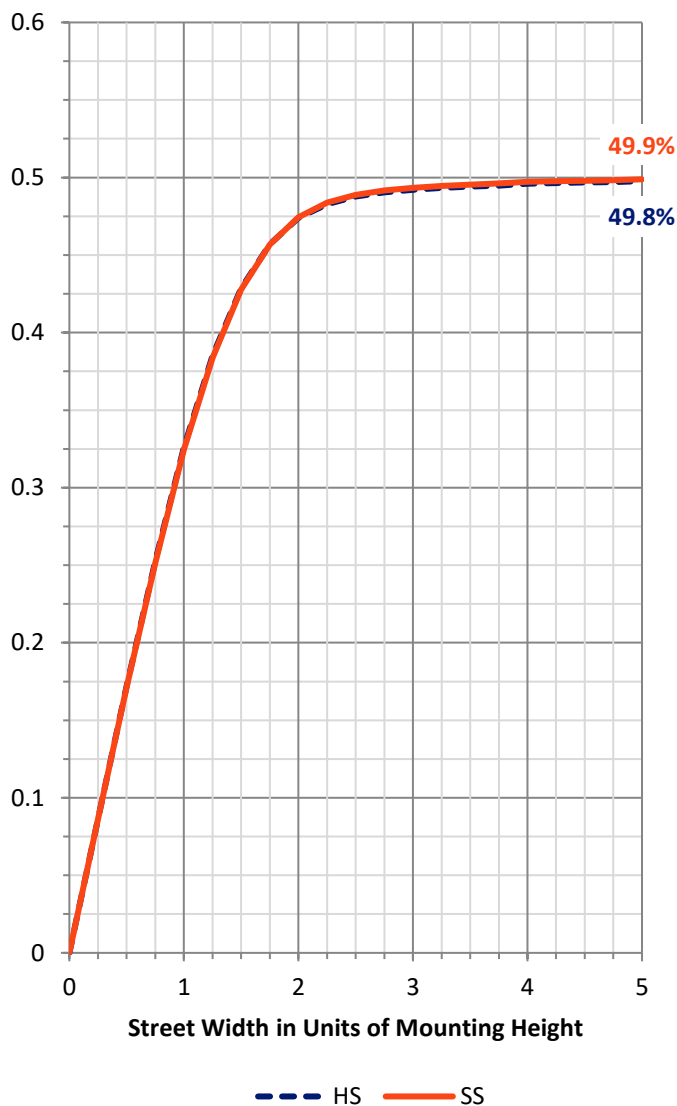
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 24494.0  | 0.0    | 24494.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 24494.0  | 0.0    | 24494.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 48988.0  | 0.0    | 48988.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 514.0   | 1.0       |
| 10°-20°   | 1695.4  | 3.5       |
| 20°-30°   | 3276.0  | 6.7       |
| 30°-40°   | 5531.7  | 11.3      |
| 40°-50°   | 8772.7  | 17.9      |
| 50°-60°   | 11745.6 | 24.0      |
| 60°-70°   | 11178.1 | 22.8      |
| 70°-80°   | 5832.9  | 11.9      |
| 80°-90°   | 441.5   | 0.9       |
| 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°    | 48988.0 | 100.0     |
| 0°-180°   | 48988.0 | 100.0     |

**Coefficient of Utilization**



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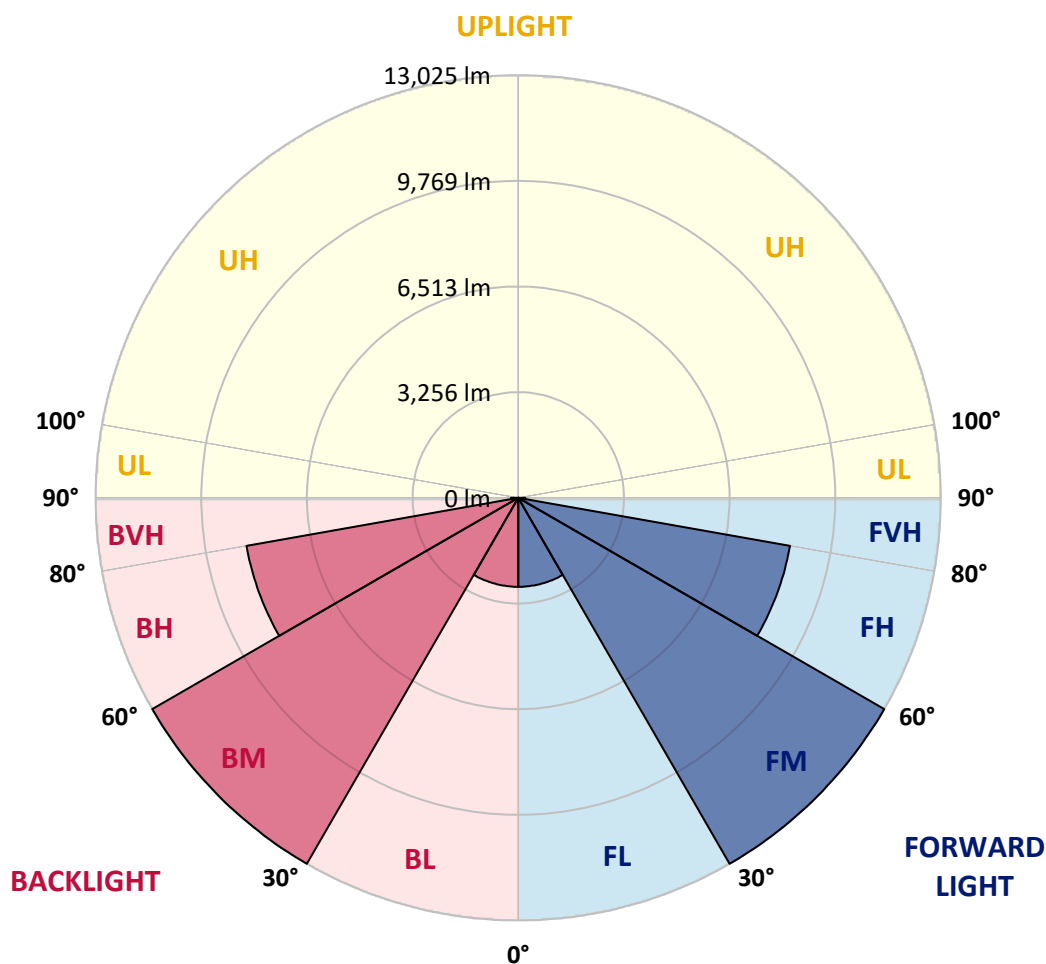
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2742.7  | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 13025.0 | 26.6      |                         |      |          |
| FH   | (60°-80°)   | 8505.5  | 17.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 220.8   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2742.7  | 5.6       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 13025.0 | 26.6      | B5                      |      |          |
| BH   | (60°-80°)   | 8505.5  | 17.4      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 220.8   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  | 5247.5  |
| 2.5°  | 5247.5  | 5242.5  | 5247.5  | 5252.5  | 5250.0  | 5250.0  | 5262.5  | 5270.0  | 5285.0  | 5282.5  |
| 5°    | 5212.5  | 5210.0  | 5230.0  | 5252.5  | 5270.0  | 5300.0  | 5337.5  | 5365.0  | 5400.1  | 5407.6  |
| 7.5°  | 5195.0  | 5187.5  | 5222.5  | 5262.5  | 5317.5  | 5392.6  | 5465.1  | 5540.1  | 5600.2  | 5620.2  |
| 10°   | 5207.5  | 5210.0  | 5257.5  | 5332.5  | 5420.1  | 5525.1  | 5627.7  | 5755.2  | 5840.3  | 5860.3  |
| 12.5° | 5265.0  | 5260.0  | 5340.0  | 5460.1  | 5580.1  | 5712.7  | 5832.8  | 5972.8  | 6065.4  | 6112.9  |
| 15°   | 5370.0  | 5360.0  | 5472.6  | 5650.2  | 5825.3  | 5980.3  | 6077.9  | 6210.4  | 6318.0  | 6378.0  |
| 17.5° | 5495.1  | 5500.1  | 5647.7  | 5877.8  | 6107.9  | 6283.0  | 6375.5  | 6443.1  | 6525.6  | 6578.1  |
| 20°   | 5715.2  | 5725.2  | 5890.3  | 6162.9  | 6425.6  | 6625.6  | 6700.7  | 6675.7  | 6698.2  | 6738.2  |
| 22.5° | 6010.4  | 6015.4  | 6200.4  | 6495.6  | 6770.7  | 6990.8  | 7040.8  | 6938.3  | 6875.8  | 6903.3  |
| 25°   | 6353.0  | 6385.5  | 6570.6  | 6873.3  | 7155.9  | 7366.0  | 7388.5  | 7233.4  | 7078.4  | 7085.9  |
| 27.5° | 6770.7  | 6800.7  | 6988.3  | 7288.5  | 7576.1  | 7758.7  | 7756.2  | 7548.6  | 7321.0  | 7263.4  |
| 30°   | 7223.4  | 7255.9  | 7448.5  | 7758.7  | 8026.3  | 8186.4  | 8151.4  | 7903.8  | 7578.6  | 7471.0  |
| 32.5° | 7761.2  | 7781.2  | 7976.3  | 8286.4  | 8534.1  | 8661.6  | 8589.1  | 8283.9  | 7878.7  | 7756.2  |
| 35°   | 8411.5  | 8441.5  | 8586.6  | 8879.2  | 9096.8  | 9201.9  | 9079.3  | 8719.1  | 8263.9  | 8126.4  |
| 37.5° | 9154.3  | 9134.3  | 9299.4  | 9559.5  | 9739.6  | 9804.7  | 9637.1  | 9209.4  | 8704.1  | 8541.6  |
| 40°   | 9929.7  | 9919.7  | 10099.8 | 10349.9 | 10447.5 | 10487.5 | 10239.9 | 9772.1  | 9211.9  | 9036.8  |
| 42.5° | 10632.5 | 10625.0 | 10867.7 | 11145.3 | 11262.8 | 11217.8 | 10905.2 | 10369.9 | 9799.7  | 9599.6  |
| 45°   | 11195.3 | 11185.3 | 11483.0 | 11873.1 | 12103.2 | 12028.2 | 11608.0 | 11030.2 | 10394.9 | 10187.3 |
| 47.5° | 11628.0 | 11633.0 | 11953.2 | 12435.9 | 12838.6 | 12866.1 | 12325.9 | 11703.1 | 11050.2 | 10815.1 |
| 50°   | 11940.7 | 11955.7 | 12298.3 | 12833.6 | 13383.9 | 13626.5 | 13058.7 | 12393.4 | 11728.1 | 11462.9 |
| 52.5° | 12018.2 | 12045.7 | 12458.4 | 13086.2 | 13734.0 | 14196.7 | 13804.1 | 13056.2 | 12370.9 | 12118.3 |
| 55°   | 11605.5 | 11660.5 | 12183.3 | 13066.2 | 13949.1 | 14571.9 | 14459.4 | 13729.0 | 13018.7 | 12758.6 |
| 57.5° | 10657.6 | 10735.1 | 11345.4 | 12498.4 | 13901.6 | 14829.5 | 14967.1 | 14374.3 | 13666.5 | 13416.4 |
| 60°   | 9329.4  | 9422.0  | 10007.3 | 11265.3 | 13231.3 | 14924.6 | 15324.8 | 15002.1 | 14261.8 | 14019.2 |
| 62.5° | 7326.0  | 7446.0  | 8146.4  | 9622.1  | 11815.6 | 14481.9 | 15629.9 | 15569.9 | 14797.0 | 14494.4 |
| 65°   | 4699.7  | 4827.3  | 5565.1  | 7308.5  | 9927.2  | 13126.2 | 15725.0 | 16122.7 | 15362.3 | 14939.6 |
| 67.5° | 2833.8  | 2891.4  | 3256.5  | 4429.6  | 7255.9  | 11082.8 | 14919.6 | 16735.4 | 16022.6 | 15497.4 |
| 70°   | 1813.4  | 1845.9  | 2063.5  | 2601.2  | 4101.9  | 8086.3  | 12923.6 | 16850.5 | 16823.0 | 16070.1 |
| 72.5° | 1230.6  | 1240.6  | 1298.1  | 1540.7  | 2321.1  | 4594.7  | 9532.0  | 15254.7 | 17323.2 | 16808.0 |
| 75°   | 900.4   | 955.5   | 1048.0  | 1090.5  | 1318.1  | 2296.1  | 5462.6  | 10717.6 | 14599.4 | 14824.5 |
| 77.5° | 670.3   | 672.8   | 800.4   | 850.4   | 940.4   | 1223.1  | 2311.1  | 5982.8  | 9064.3  | 9517.0  |
| 80°   | 567.8   | 537.8   | 535.3   | 685.3   | 707.8   | 762.9   | 1033.0  | 2066.0  | 3246.5  | 1968.4  |
| 82.5° | 472.7   | 440.2   | 397.7   | 535.3   | 482.7   | 467.7   | 447.7   | 840.4   | 1033.0  | 507.7   |
| 85°   | 330.2   | 315.1   | 300.1   | 350.2   | 275.1   | 235.1   | 215.1   | 392.7   | 435.2   | 215.1   |
| 87.5° | 142.6   | 147.6   | 150.1   | 155.1   | 115.1   | 82.5    | 82.5    | 110.1   | 110.1   | 85.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 5247.5  |
| 5280.0  |
| 5407.6  |
| 5625.2  |
| 5880.3  |
| 6132.9  |
| 6400.5  |
| 6603.1  |
| 6768.2  |
| 6923.3  |
| 7098.4  |
| 7281.0  |
| 7483.6  |
| 7786.2  |
| 8146.4  |
| 8571.6  |
| 9094.3  |
| 9649.6  |
| 10234.9 |
| 10885.2 |
| 11543.0 |
| 12183.3 |
| 12831.1 |
| 13473.9 |
| 14071.7 |
| 14529.4 |
| 14992.1 |
| 15537.4 |
| 16065.1 |
| 16727.9 |
| 14279.3 |
| 8489.0  |
| 1488.2  |
| 432.7   |
| 190.1   |
| 62.5    |
| 0.0     |