

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: P943293

Luminaire Tested: **GLAN-SB7C-950-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-950-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 36653 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 350.5  
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



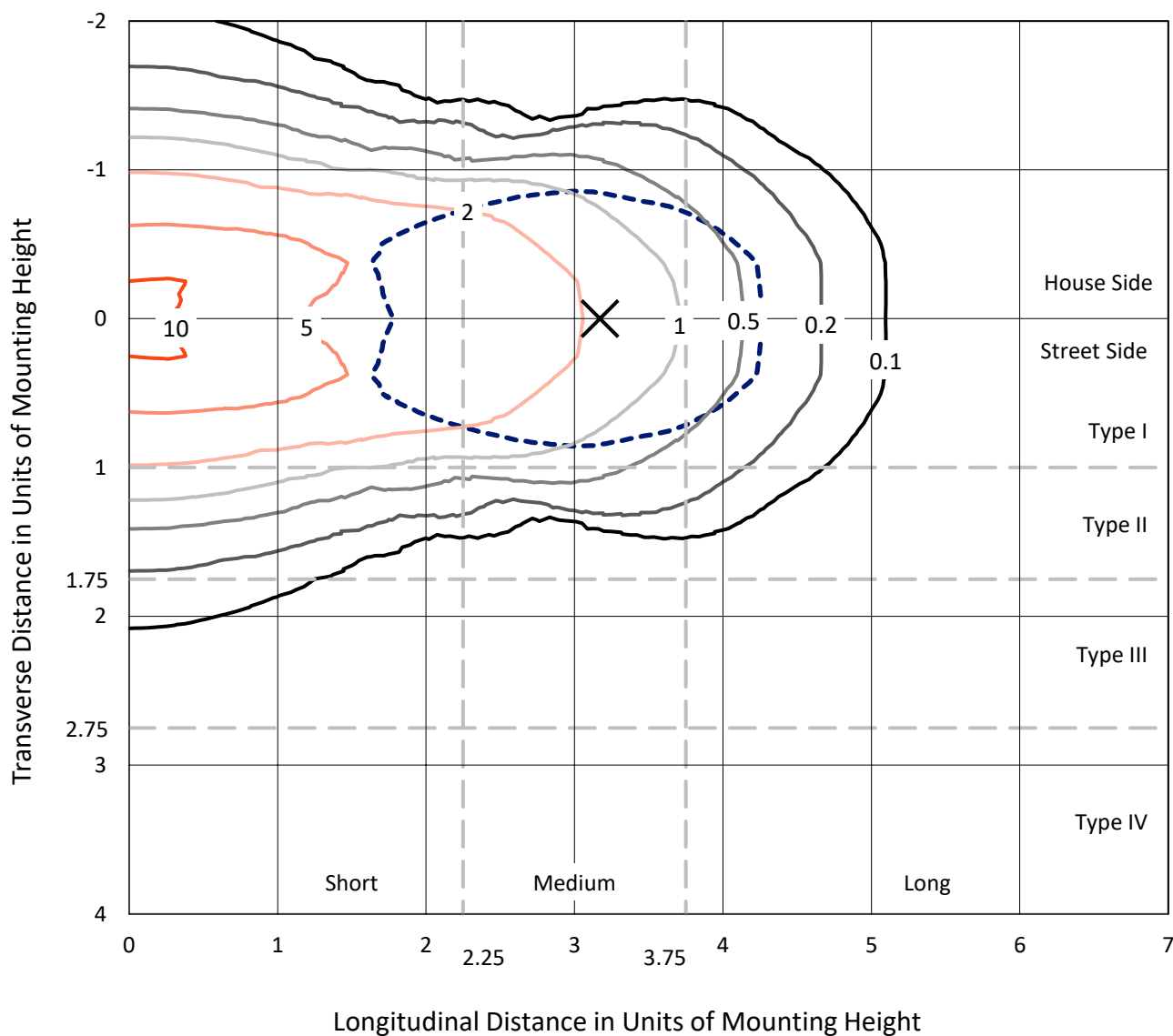
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

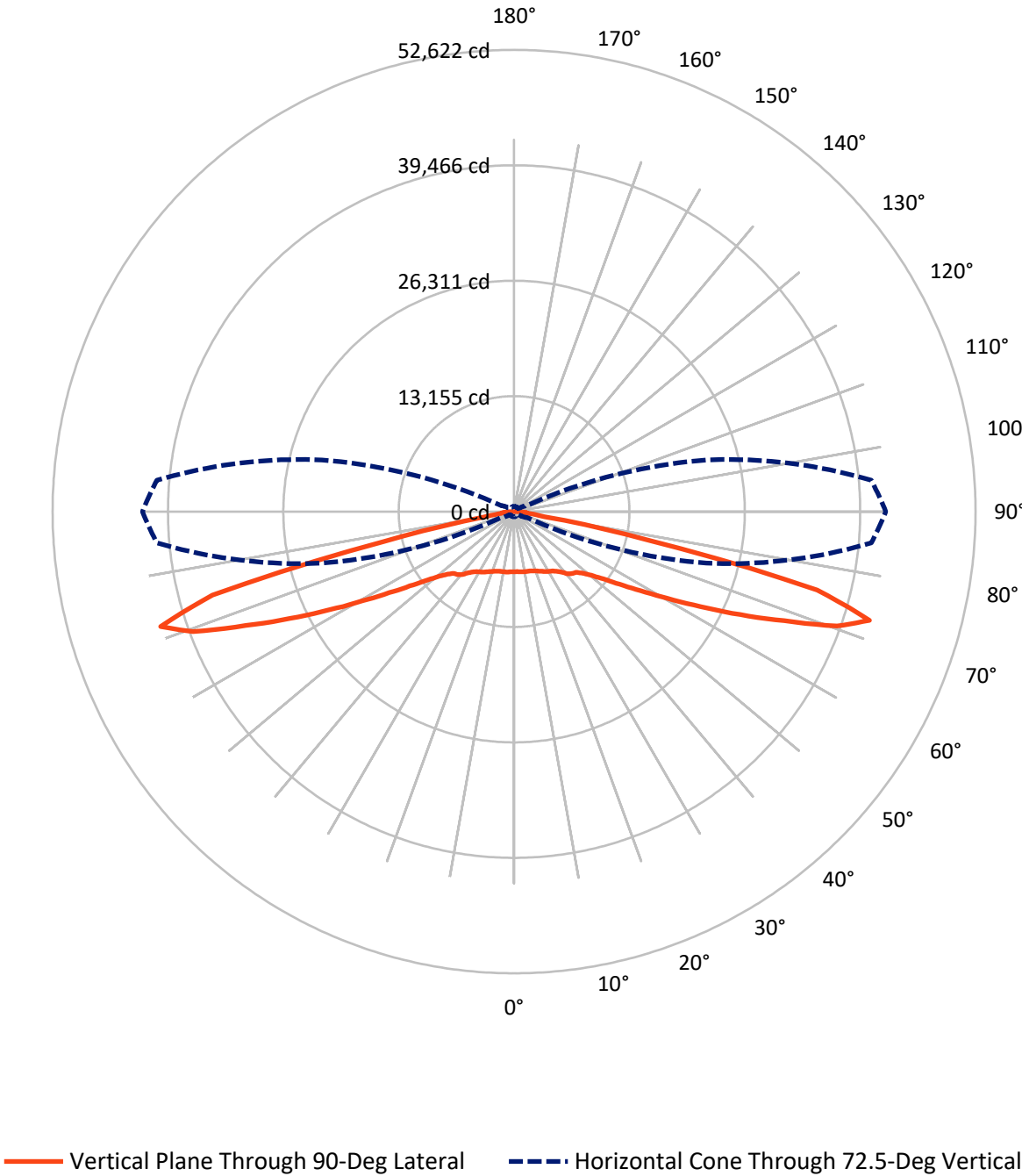


Based on 25 foot mounting height. Maximum calculated value = 11 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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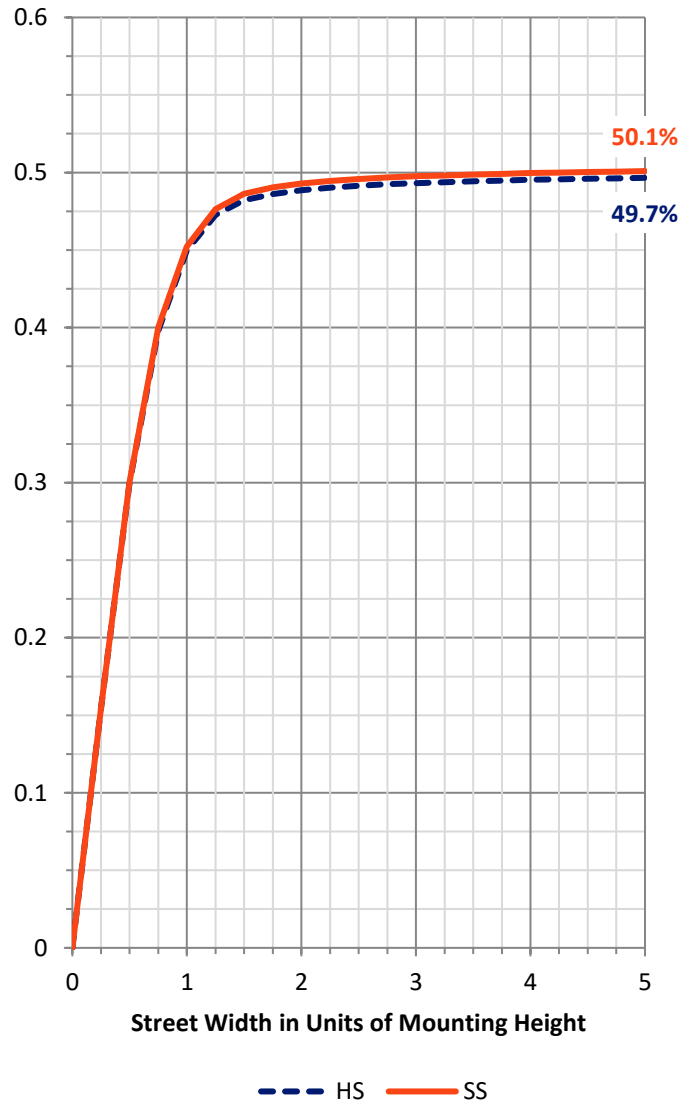
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18326.5  | 0.0    | 18326.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18326.5  | 0.0    | 18326.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 36653.0  | 0.0    | 36653.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 664.1   | 1.8       |
| 10°-20°   | 2030.5  | 5.5       |
| 20°-30°   | 3385.7  | 9.2       |
| 30°-40°   | 4656.4  | 12.7      |
| 40°-50°   | 5686.8  | 15.5      |
| 50°-60°   | 6577.4  | 17.9      |
| 60°-70°   | 7842.4  | 21.4      |
| 70°-80°   | 5473.5  | 14.9      |
| 80°-90°   | 336.2   | 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°    | 36653.0 | 100.0     |
| 0°-180°   | 36653.0 | 100.0     |

**Coefficient of Utilization**



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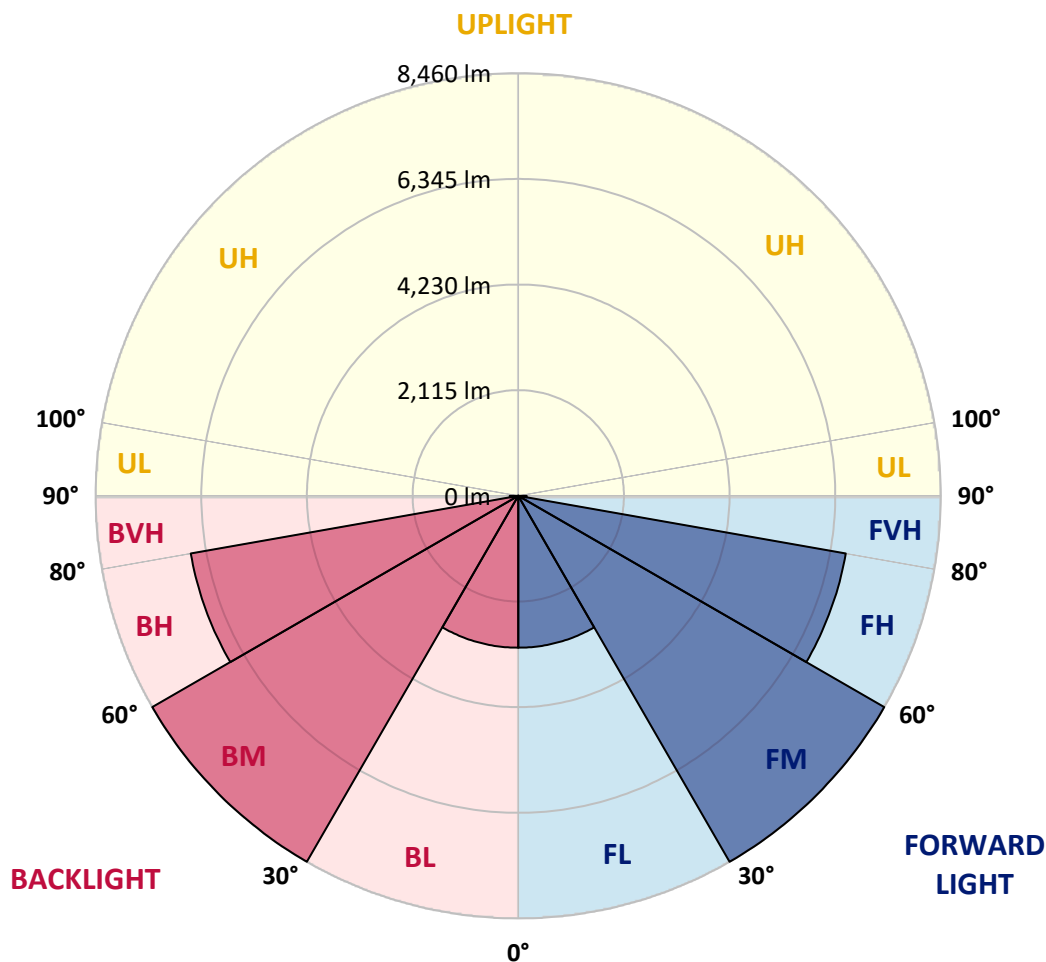
CATALOG NUMBER: GLAN-SB7C-950-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3040.2 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 8460.3 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 6658.0 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 168.1  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 3040.2 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8460.3 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 6658.0 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 168.1  | 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 I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 6849.0 | 6849.0 | 6849.0 | 6849.0 | 6849.0 | 6849.0 | 6849.0 | 6849.0  | 6849.0  | 6849.0  |
| 2.5°  | 6854.8 | 6862.6 | 6862.6 | 6856.8 | 6870.4 | 6858.7 | 6858.7 | 6852.9  | 6858.7  | 6852.9  |
| 5°    | 6889.9 | 6899.6 | 6903.5 | 6901.6 | 6919.1 | 6909.4 | 6909.4 | 6901.6  | 6903.5  | 6897.7  |
| 7.5°  | 6956.1 | 6969.8 | 6977.6 | 6987.3 | 7012.6 | 7000.9 | 6993.1 | 6969.8  | 6960.0  | 6944.4  |
| 10°   | 6977.6 | 6993.1 | 7018.5 | 7069.1 | 7127.6 | 7129.5 | 7106.1 | 7047.7  | 7002.9  | 6967.8  |
| 12.5° | 6911.3 | 6932.8 | 6985.4 | 7088.6 | 7219.1 | 7271.7 | 7234.7 | 7137.3  | 7049.6  | 6987.3  |
| 15°   | 6827.6 | 6850.9 | 6930.8 | 7086.7 | 7279.5 | 7402.2 | 7398.3 | 7269.8  | 7129.5  | 7032.1  |
| 17.5° | 6697.1 | 6720.4 | 6835.4 | 7053.5 | 7326.2 | 7528.8 | 7583.4 | 7450.9  | 7254.2  | 7123.7  |
| 20°   | 6461.4 | 6482.8 | 6642.5 | 6948.3 | 7341.8 | 7663.2 | 7805.4 | 7688.6  | 7443.1  | 7265.9  |
| 22.5° | 6155.5 | 6188.6 | 6375.6 | 6767.2 | 7304.8 | 7803.5 | 8058.7 | 7978.8  | 7663.2  | 7417.8  |
| 25°   | 5828.3 | 5863.3 | 6081.5 | 6545.1 | 7209.4 | 7904.8 | 8358.7 | 8308.0  | 7912.6  | 7606.8  |
| 27.5° | 5545.8 | 5582.8 | 5820.5 | 6325.0 | 7061.3 | 7943.7 | 8654.8 | 8680.1  | 8214.5  | 7815.2  |
| 30°   | 5323.8 | 5358.8 | 5612.1 | 6147.7 | 6870.4 | 7904.8 | 8913.8 | 9089.1  | 8522.3  | 7996.3  |
| 32.5° | 5080.3 | 5125.1 | 5391.9 | 5931.5 | 6644.5 | 7811.3 | 9139.8 | 9531.3  | 8878.8  | 8191.1  |
| 35°   | 4772.5 | 4813.4 | 5093.9 | 5635.4 | 6348.4 | 7661.3 | 9328.7 | 10022.2 | 9389.1  | 8487.2  |
| 37.5° | 4398.5 | 4437.4 | 4716.0 | 5265.3 | 6054.2 | 7450.9 | 9472.9 | 10575.4 | 9996.9  | 8913.8  |
| 40°   | 4022.5 | 4059.5 | 4320.6 | 4852.3 | 5701.7 | 7182.1 | 9523.5 | 11117.0 | 10694.3 | 9500.2  |
| 42.5° | 3677.7 | 3710.8 | 3950.4 | 4445.2 | 5306.2 | 6839.3 | 9457.3 | 11588.4 | 11319.6 | 9909.2  |
| 45°   | 3360.2 | 3389.4 | 3601.8 | 4063.4 | 4895.2 | 6422.4 | 9258.6 | 12094.8 | 12063.7 | 10201.4 |
| 47.5° | 2997.9 | 3027.1 | 3247.2 | 3693.3 | 4484.2 | 5933.5 | 8921.6 | 12593.5 | 13098.0 | 10863.7 |
| 50°   | 2555.7 | 2581.0 | 2807.0 | 3266.7 | 4057.6 | 5413.4 | 8454.1 | 12985.0 | 14403.2 | 11866.9 |
| 52.5° | 2031.7 | 2059.0 | 2279.1 | 2738.8 | 3551.1 | 4854.3 | 7838.6 | 13240.2 | 15910.9 | 13331.8 |
| 55°   | 1511.6 | 1531.1 | 1722.0 | 2135.0 | 2923.9 | 4217.3 | 7067.2 | 13312.3 | 17621.2 | 15334.3 |
| 57.5° | 1096.7 | 1108.4 | 1231.1 | 1538.9 | 2216.8 | 3420.6 | 6130.2 | 13125.3 | 19656.8 | 17901.7 |
| 60°   | 888.3  | 892.2  | 929.2  | 1065.5 | 1540.8 | 2520.7 | 4998.4 | 12482.5 | 21865.8 | 21211.3 |
| 62.5° | 806.5  | 806.5  | 816.2  | 853.2  | 1042.2 | 1663.6 | 3629.0 | 11150.1 | 24234.5 | 25393.5 |
| 65°   | 750.0  | 750.0  | 753.9  | 771.4  | 822.0  | 1059.7 | 2290.8 | 8980.1  | 26231.1 | 30292.6 |
| 67.5° | 699.3  | 701.3  | 699.3  | 705.2  | 734.4  | 783.1  | 1328.5 | 6202.3  | 27306.4 | 35369.0 |
| 70°   | 646.7  | 650.6  | 640.9  | 640.9  | 664.3  | 666.2  | 831.8  | 3401.1  | 26414.2 | 39623.3 |
| 72.5° | 584.4  | 590.2  | 574.6  | 570.7  | 588.3  | 580.5  | 625.3  | 1632.4  | 22678.1 | 40893.4 |
| 75°   | 529.8  | 537.6  | 502.6  | 492.8  | 492.8  | 487.0  | 508.4  | 837.6   | 14718.7 | 33358.7 |
| 77.5° | 481.1  | 496.7  | 440.2  | 409.1  | 401.3  | 383.7  | 414.9  | 512.3   | 6438.0  | 15661.5 |
| 80°   | 397.4  | 418.8  | 362.3  | 325.3  | 311.7  | 292.2  | 327.3  | 358.4   | 1914.8  | 3636.8  |
| 82.5° | 296.1  | 305.8  | 257.1  | 231.8  | 220.1  | 206.5  | 245.4  | 249.3   | 623.3   | 1287.6  |
| 85°   | 189.0  | 192.8  | 157.8  | 136.4  | 130.5  | 124.7  | 155.8  | 136.4   | 237.7   | 946.7   |
| 87.5° | 66.2   | 76.0   | 60.4   | 54.5   | 58.4   | 48.7   | 72.1   | 40.9    | 66.2    | 668.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 6849.0  |
| 6852.9  |
| 6897.7  |
| 6944.4  |
| 6962.0  |
| 6977.6  |
| 7016.5  |
| 7102.2  |
| 7232.7  |
| 7373.0  |
| 7544.4  |
| 7749.0  |
| 7900.9  |
| 8070.4  |
| 8352.8  |
| 8734.6  |
| 9309.3  |
| 9663.8  |
| 9870.3  |
| 10481.9 |
| 11387.7 |
| 12741.6 |
| 14596.0 |
| 16972.5 |
| 20040.5 |
| 23825.4 |
| 28309.6 |
| 33228.2 |
| 39060.3 |
| 42373.8 |
| 35680.6 |
| 15336.2 |
| 3482.9  |
| 1455.1  |
| 1375.3  |
| 827.9   |
| 0.0     |