

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: P943693

Luminaire Tested: **GLAN-SB8B-750-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943693  
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-SB8B-750-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 47656 lumens  
Efficiency: N/A  
Efficacy: 162.8 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): 292.8  
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

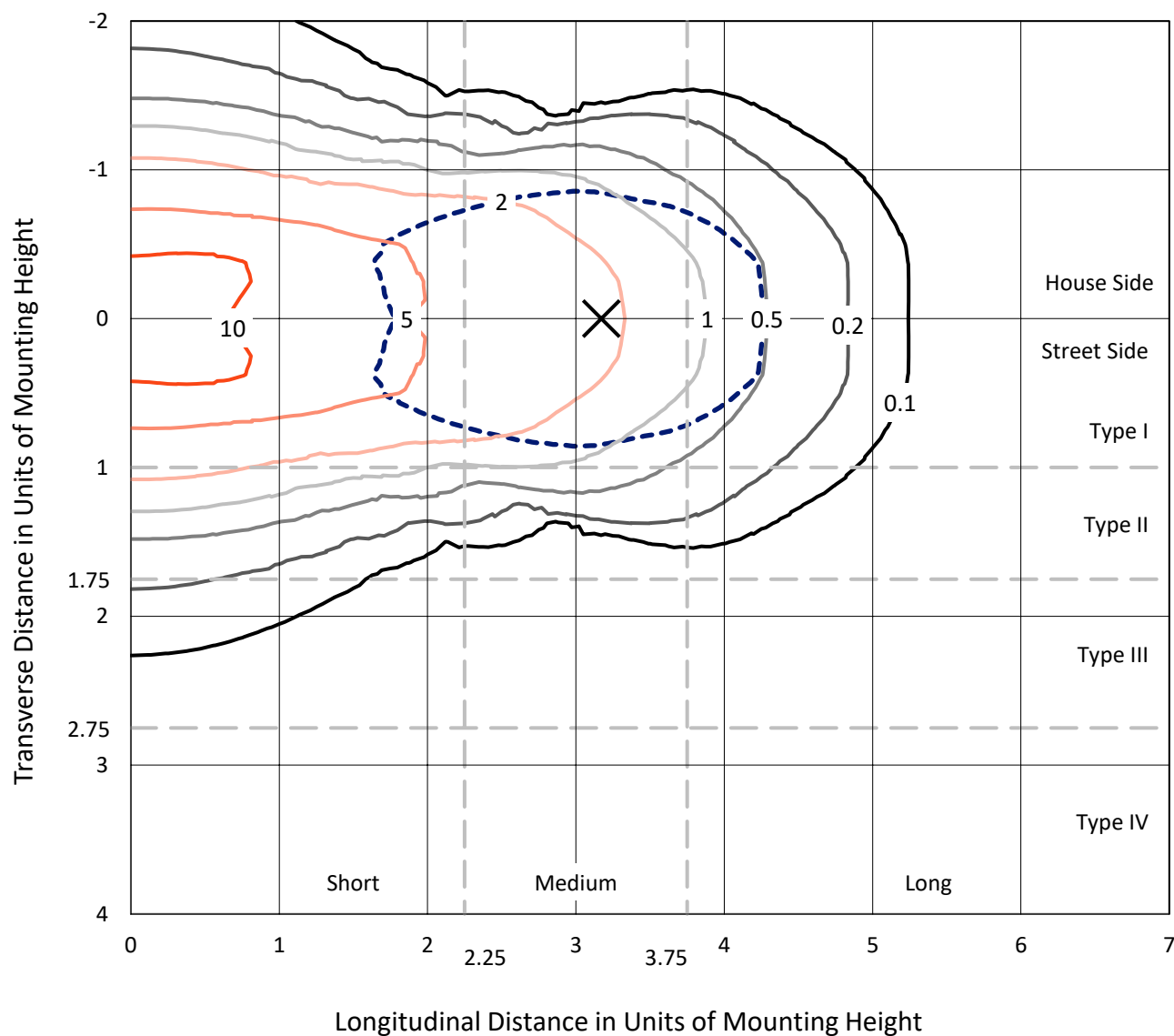


REPORT NUMBER: P943693

CATALOG NUMBER: GLAN-SB8B-750-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

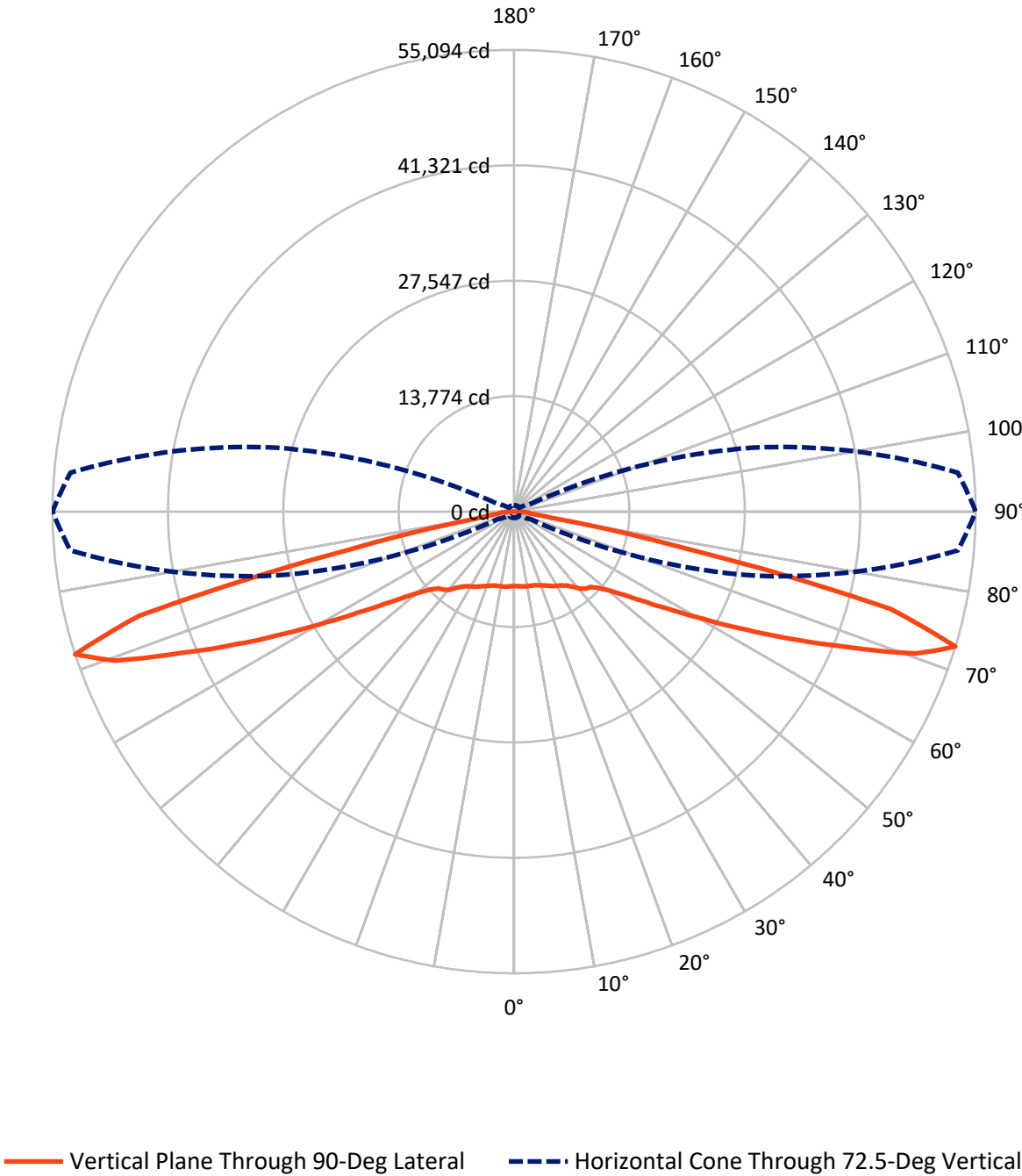
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc  
 Type I - Short - N/A

REPORT NUMBER: P943693  
CATALOG NUMBER: GLAN-SB8B-750-U-T1

Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 23828.0  | 0.0    | 23828.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 23828.0  | 0.0    | 23828.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 47656.0  | 0.0    | 47656.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 863.4   | 1.8       |
| 10°-20°   | 2640.1  | 5.5       |
| 20°-30°   | 4402.1  | 9.2       |
| 30°-40°   | 6054.3  | 12.7      |
| 40°-50°   | 7393.9  | 15.5      |
| 50°-60°   | 8551.8  | 17.9      |
| 60°-70°   | 10196.7 | 21.4      |
| 70°-80°   | 7116.6  | 14.9      |
| 80°-90°   | 437.1   | 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°    | 47656.0 | 100.0     |
| 0°-180°   | 47656.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P943693

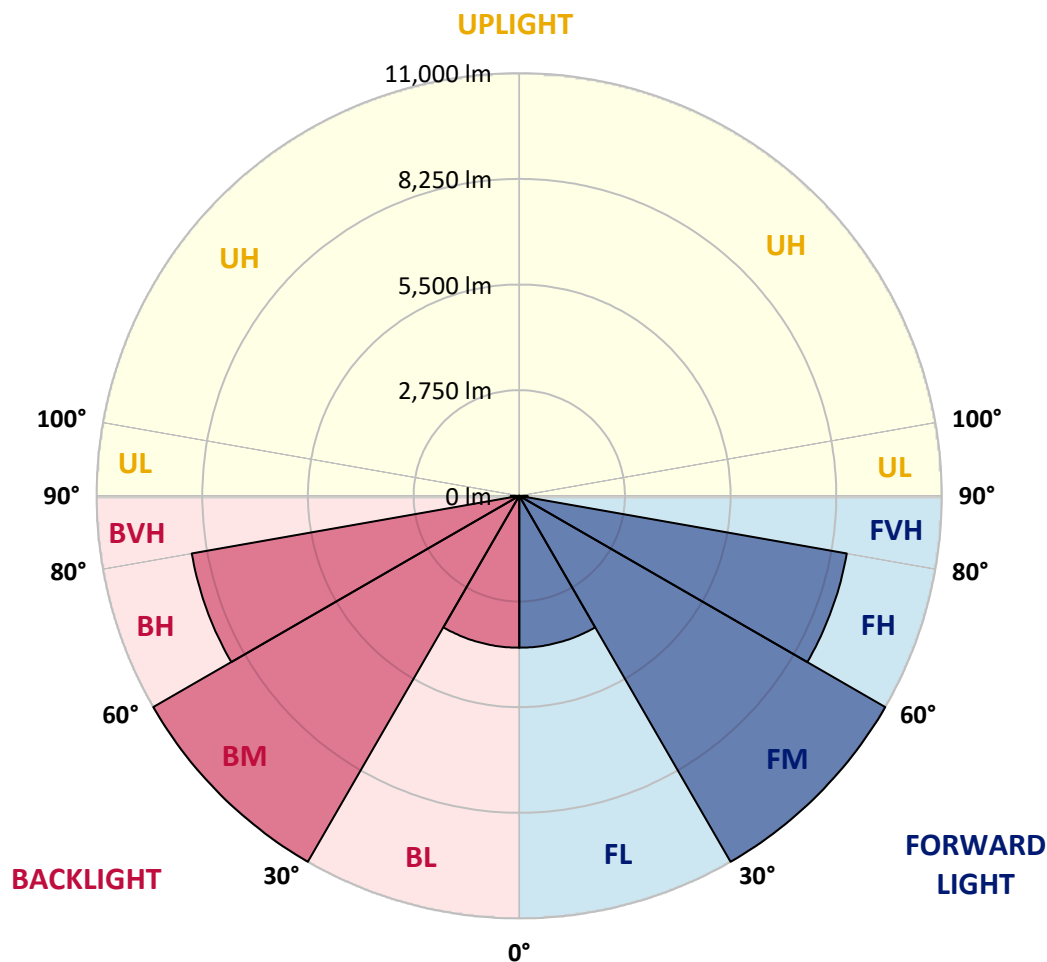
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3952.8  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 11000.0 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 8656.6  | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 218.6   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3952.8  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 11000.0 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 8656.6  | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 218.6   | 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°    | 8905.0 | 8905.0 | 8905.0 | 8905.0 | 8905.0 | 8905.0  | 8905.0  | 8905.0  | 8905.0  | 8905.0  |
| 2.5°  | 8912.6 | 8922.8 | 8922.8 | 8915.2 | 8932.9 | 8917.7  | 8917.7  | 8910.1  | 8917.7  | 8910.1  |
| 5°    | 8958.2 | 8970.9 | 8975.9 | 8973.4 | 8996.2 | 8983.5  | 8983.5  | 8973.4  | 8975.9  | 8968.3  |
| 7.5°  | 9044.3 | 9062.1 | 9072.2 | 9084.8 | 9117.8 | 9102.6  | 9092.4  | 9062.1  | 9049.4  | 9029.1  |
| 10°   | 9072.2 | 9092.4 | 9125.4 | 9191.2 | 9267.2 | 9269.7  | 9239.3  | 9163.4  | 9105.1  | 9059.5  |
| 12.5° | 8986.1 | 9013.9 | 9082.3 | 9216.6 | 9386.2 | 9454.6  | 9406.5  | 9279.9  | 9165.9  | 9084.8  |
| 15°   | 8877.2 | 8907.6 | 9011.4 | 9214.0 | 9464.8 | 9624.3  | 9619.3  | 9452.1  | 9269.7  | 9143.1  |
| 17.5° | 8707.5 | 8737.9 | 8887.3 | 9171.0 | 9525.5 | 9788.9  | 9859.9  | 9687.6  | 9431.8  | 9262.1  |
| 20°   | 8401.0 | 8428.9 | 8636.6 | 9034.2 | 9545.8 | 9963.7  | 10148.6 | 9996.6  | 9677.5  | 9447.0  |
| 22.5° | 8003.4 | 8046.4 | 8289.6 | 8798.7 | 9497.7 | 10146.1 | 10477.8 | 10374.0 | 9963.7  | 9644.6  |
| 25°   | 7577.9 | 7623.5 | 7907.1 | 8509.9 | 9373.6 | 10277.8 | 10867.9 | 10802.0 | 10287.9 | 9890.3  |
| 27.5° | 7210.6 | 7258.8 | 7567.8 | 8223.7 | 9181.1 | 10328.4 | 11252.9 | 11285.8 | 10680.5 | 10161.3 |
| 30°   | 6921.9 | 6967.5 | 7296.8 | 7993.2 | 8932.9 | 10277.8 | 11589.7 | 11817.6 | 11080.6 | 10396.8 |
| 32.5° | 6605.3 | 6663.6 | 7010.6 | 7712.1 | 8639.1 | 10156.2 | 11883.5 | 12392.6 | 11544.1 | 10650.1 |
| 35°   | 6205.2 | 6258.3 | 6623.1 | 7327.1 | 8254.1 | 9961.2  | 12129.2 | 13030.8 | 12207.7 | 11035.0 |
| 37.5° | 5718.9 | 5769.5 | 6131.7 | 6845.9 | 7871.7 | 9687.6  | 12316.6 | 13750.1 | 12997.9 | 11589.7 |
| 40°   | 5230.1 | 5278.2 | 5617.6 | 6309.0 | 7413.3 | 9338.1  | 12382.4 | 14454.2 | 13904.6 | 12352.1 |
| 42.5° | 4781.8 | 4824.8 | 5136.3 | 5779.7 | 6899.1 | 8892.4  | 12296.3 | 15067.1 | 14717.6 | 12883.9 |
| 45°   | 4368.9 | 4406.9 | 4683.0 | 5283.2 | 6364.7 | 8350.4  | 12038.0 | 15725.6 | 15685.1 | 13263.8 |
| 47.5° | 3897.8 | 3935.8 | 4222.0 | 4802.0 | 5830.3 | 7714.7  | 11599.8 | 16374.0 | 17030.0 | 14125.0 |
| 50°   | 3322.9 | 3355.8 | 3649.6 | 4247.4 | 5275.6 | 7038.4  | 10992.0 | 16883.1 | 18726.9 | 15429.3 |
| 52.5° | 2641.6 | 2677.1 | 2963.3 | 3561.0 | 4617.1 | 6311.5  | 10191.6 | 17214.9 | 20687.2 | 17333.9 |
| 55°   | 1965.4 | 1990.7 | 2238.9 | 2775.9 | 3801.6 | 5483.3  | 9188.7  | 17308.6 | 22910.9 | 19937.5 |
| 57.5° | 1425.9 | 1441.1 | 1600.7 | 2000.8 | 2882.2 | 4447.4  | 7970.5  | 17065.4 | 25557.6 | 23275.7 |
| 60°   | 1154.9 | 1160.0 | 1208.1 | 1385.4 | 2003.4 | 3277.3  | 6498.9  | 16229.6 | 28429.7 | 27578.7 |
| 62.5° | 1048.5 | 1048.5 | 1061.2 | 1109.3 | 1355.0 | 2162.9  | 4718.4  | 14497.3 | 31509.5 | 33016.5 |
| 65°   | 975.1  | 975.1  | 980.2  | 1003.0 | 1068.8 | 1377.8  | 2978.5  | 11675.8 | 34105.5 | 39386.3 |
| 67.5° | 909.2  | 911.8  | 909.2  | 916.8  | 954.8  | 1018.2  | 1727.3  | 8064.2  | 35503.6 | 45986.5 |
| 70°   | 840.9  | 845.9  | 833.3  | 833.3  | 863.7  | 866.2   | 1081.5  | 4422.1  | 34343.6 | 51518.0 |
| 72.5° | 759.8  | 767.4  | 747.2  | 742.1  | 764.9  | 754.7   | 813.0   | 2122.4  | 29485.9 | 53169.3 |
| 75°   | 688.9  | 699.0  | 653.4  | 640.8  | 640.8  | 633.2   | 661.0   | 1089.1  | 19137.2 | 43372.7 |
| 77.5° | 625.6  | 645.8  | 572.4  | 531.9  | 521.7  | 498.9   | 539.5   | 666.1   | 8370.6  | 20363.0 |
| 80°   | 516.7  | 544.5  | 471.1  | 423.0  | 405.2  | 379.9   | 425.5   | 466.0   | 2489.7  | 4728.6  |
| 82.5° | 385.0  | 397.6  | 334.3  | 301.4  | 286.2  | 268.5   | 319.1   | 324.2   | 810.5   | 1674.1  |
| 85°   | 245.7  | 250.7  | 205.1  | 177.3  | 169.7  | 162.1   | 202.6   | 177.3   | 309.0   | 1230.9  |
| 87.5° | 86.1   | 98.8   | 78.5   | 70.9   | 76.0   | 63.3    | 93.7    | 53.2    | 86.1    | 868.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

8905.0  
8910.1  
8968.3  
9029.1  
9051.9  
9072.2  
9122.8  
9234.3  
9404.0  
9586.3  
9809.2  
10075.1  
10272.7  
10493.0  
10860.3  
11356.7  
12103.8  
12564.8  
12833.3  
13628.5  
14806.3  
16566.5  
18977.6  
22067.5  
26056.6  
30977.6  
36808.0  
43203.1  
50786.0  
55094.2  
46391.7  
19940.1  
4528.5  
1891.9  
1788.1  
1076.4  
0.0

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