

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: P944503

Luminaire Tested: **GLAN-SB9C-727-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944503  
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-SB9C-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 62591 lumens  
Efficiency: N/A  
Efficacy: 139.2 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): 449.8  
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



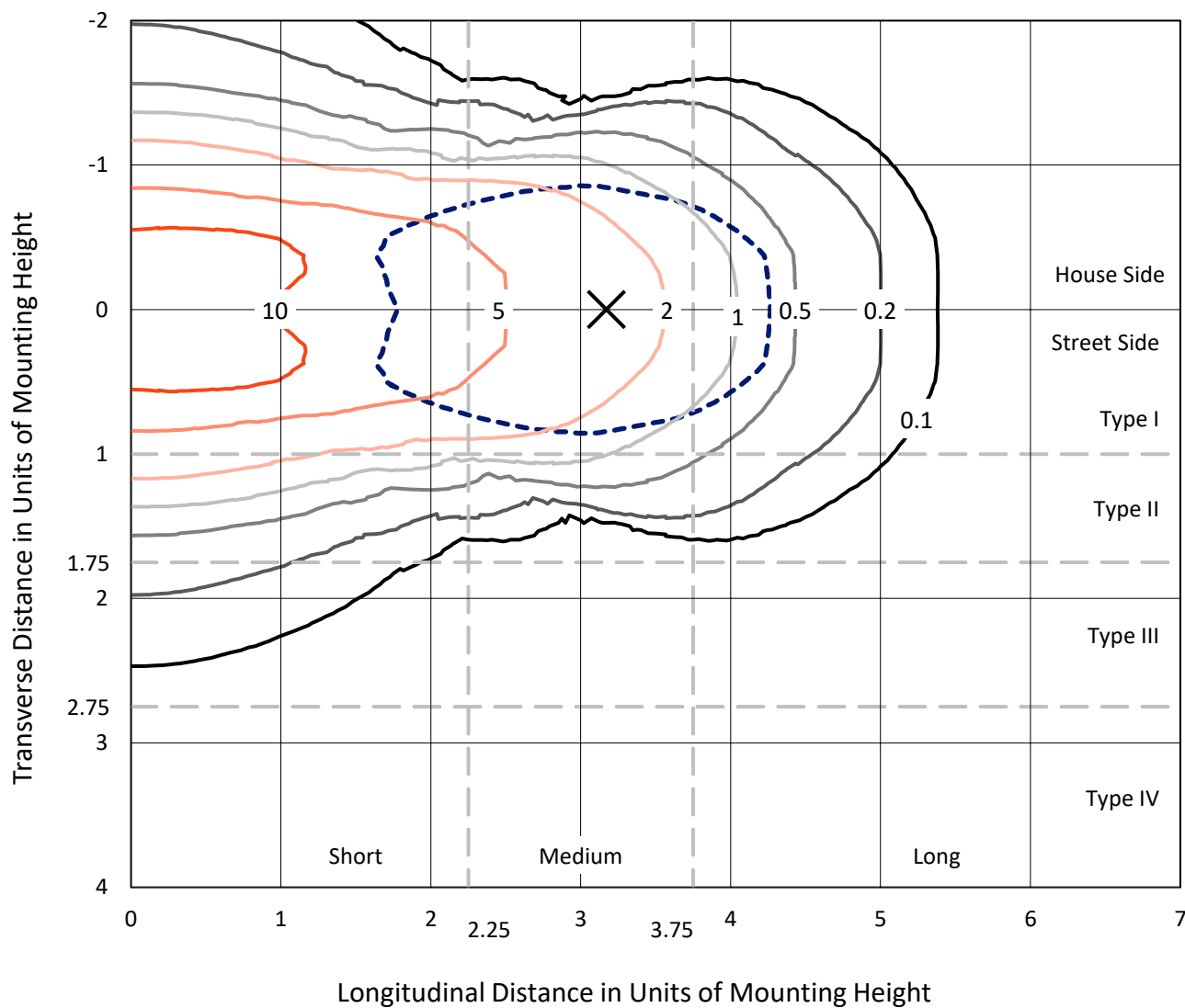
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## Iso-Footcandle Lines of Horizontal Illumination

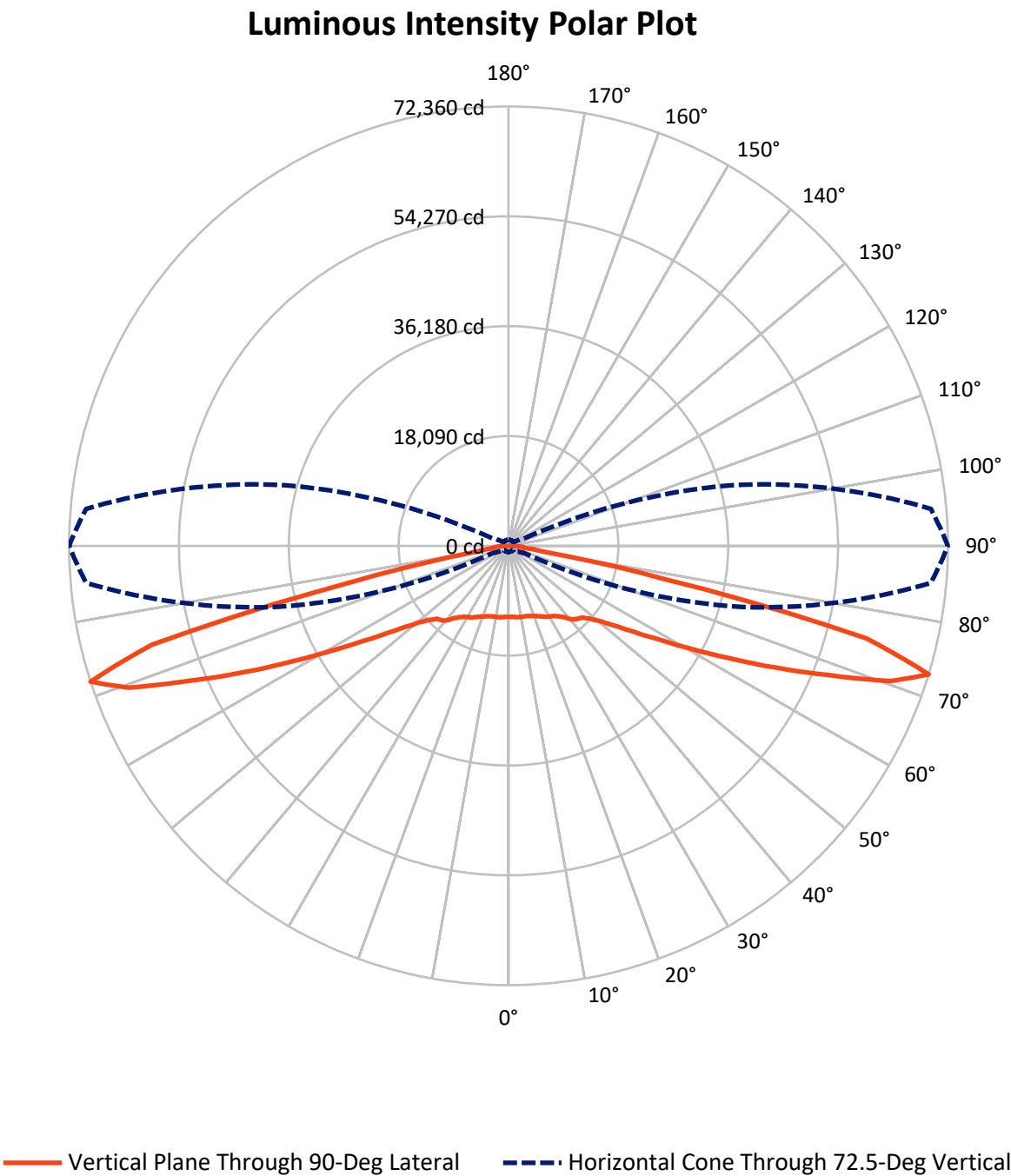
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc  
Type I - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 31295.5  | 0.0    | 31295.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 31295.5  | 0.0    | 31295.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 62591.0  | 0.0    | 62591.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1134.0  | 1.8       |
| 10°-20°   | 3467.5  | 5.5       |
| 20°-30°   | 5781.7  | 9.2       |
| 30°-40°   | 7951.6  | 12.7      |
| 40°-50°   | 9711.1  | 15.5      |
| 50°-60°   | 11231.9 | 17.9      |
| 60°-70°   | 13392.2 | 21.4      |
| 70°-80°   | 9346.9  | 14.9      |
| 80°-90°   | 574.1   | 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°    | 62591.0 | 100.0     |
| 0°-180°   | 62591.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P944503

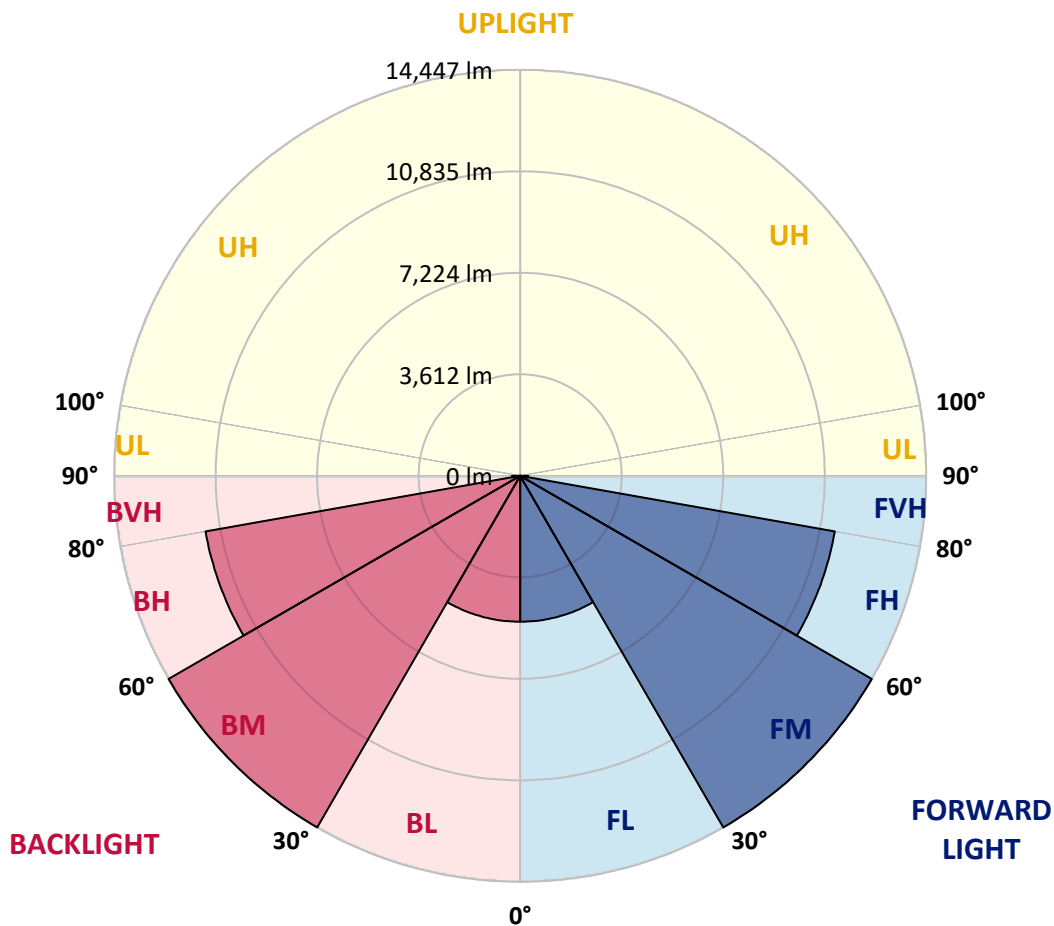
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 5191.6  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 14447.3 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 11369.5 | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 287.0   | 0.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 5191.6  | 8.3       | B5                      |      |          |
| BM   | (30°-60°)   | 14447.3 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 11369.5 | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 287.0   | 0.5       |                         |      | G3/500   |
| 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°    | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 | 11695.8 |
| 2.5°  | 11705.8 | 11719.1 | 11719.1 | 11709.1 | 11732.4 | 11712.4 | 11712.4 | 11702.4 | 11712.4 | 11702.4 |
| 5°    | 11765.6 | 11782.3 | 11788.9 | 11785.6 | 11815.5 | 11798.9 | 11798.9 | 11785.6 | 11788.9 | 11779.0 |
| 7.5°  | 11878.7 | 11902.0 | 11915.3 | 11932.0 | 11975.2 | 11955.3 | 11941.9 | 11902.0 | 11885.4 | 11858.8 |
| 10°   | 11915.3 | 11941.9 | 11985.2 | 12071.7 | 12171.5 | 12174.8 | 12134.9 | 12035.1 | 11958.6 | 11898.7 |
| 12.5° | 11802.2 | 11838.8 | 11928.6 | 12104.9 | 12327.8 | 12417.6 | 12354.4 | 12188.1 | 12038.4 | 11932.0 |
| 15°   | 11659.2 | 11699.1 | 11835.5 | 12101.6 | 12430.9 | 12640.5 | 12633.8 | 12414.3 | 12174.8 | 12008.5 |
| 17.5° | 11436.3 | 11476.2 | 11672.5 | 12045.1 | 12510.8 | 12856.7 | 12949.9 | 12723.7 | 12387.7 | 12164.8 |
| 20°   | 11033.8 | 11070.4 | 11343.2 | 11865.4 | 12537.4 | 13086.2 | 13329.1 | 13129.5 | 12710.4 | 12407.6 |
| 22.5° | 10511.6 | 10568.1 | 10887.5 | 11556.1 | 12474.2 | 13325.7 | 13761.5 | 13625.1 | 13086.2 | 12667.1 |
| 25°   | 9952.7  | 10012.6 | 10385.2 | 11176.9 | 12311.2 | 13498.7 | 14273.8 | 14187.3 | 13512.0 | 12989.8 |
| 27.5° | 9470.4  | 9533.6  | 9939.4  | 10801.0 | 12058.4 | 13565.3 | 14779.4 | 14822.6 | 14027.6 | 13345.7 |
| 30°   | 9091.2  | 9151.1  | 9583.5  | 10498.3 | 11732.4 | 13498.7 | 15221.8 | 15521.2 | 14553.2 | 13655.1 |
| 32.5° | 8675.4  | 8751.9  | 9207.6  | 10129.0 | 11346.5 | 13339.1 | 15607.7 | 16276.3 | 15161.9 | 13987.7 |
| 35°   | 8149.8  | 8219.7  | 8698.7  | 9623.4  | 10840.9 | 13082.9 | 15930.4 | 17114.6 | 16033.5 | 14493.3 |
| 37.5° | 7511.1  | 7577.6  | 8053.3  | 8991.4  | 10338.6 | 12723.7 | 16176.5 | 18059.3 | 17071.3 | 15221.8 |
| 40°   | 6869.1  | 6932.3  | 7378.1  | 8286.2  | 9736.5  | 12264.6 | 16263.0 | 18984.0 | 18262.2 | 16223.1 |
| 42.5° | 6280.3  | 6336.9  | 6746.0  | 7591.0  | 9061.2  | 11679.2 | 16149.9 | 19789.0 | 19330.0 | 16921.6 |
| 45°   | 5738.1  | 5788.0  | 6150.6  | 6939.0  | 8359.4  | 10967.3 | 15810.6 | 20653.9 | 20600.7 | 17420.6 |
| 47.5° | 5119.4  | 5169.3  | 5545.2  | 6306.9  | 7657.5  | 10132.4 | 15235.1 | 21505.5 | 22367.0 | 18551.6 |
| 50°   | 4364.3  | 4407.5  | 4793.4  | 5578.5  | 6929.0  | 9244.2  | 14436.8 | 22174.1 | 24595.8 | 20264.7 |
| 52.5° | 3469.5  | 3516.1  | 3891.9  | 4677.0  | 6064.1  | 8289.5  | 13385.6 | 22609.9 | 27170.4 | 22766.2 |
| 55°   | 2581.3  | 2614.6  | 2940.6  | 3645.8  | 4993.0  | 7201.8  | 12068.4 | 22732.9 | 30091.0 | 26185.8 |
| 57.5° | 1872.8  | 1892.7  | 2102.3  | 2627.9  | 3785.5  | 5841.2  | 10468.3 | 22413.6 | 33567.2 | 30570.1 |
| 60°   | 1516.9  | 1523.5  | 1586.7  | 1819.6  | 2631.2  | 4304.4  | 8535.7  | 21315.9 | 37339.4 | 36221.7 |
| 62.5° | 1377.1  | 1377.1  | 1393.8  | 1457.0  | 1779.6  | 2840.8  | 6197.2  | 19040.6 | 41384.3 | 43363.6 |
| 65°   | 1280.7  | 1280.7  | 1287.3  | 1317.3  | 1403.8  | 1809.6  | 3911.9  | 15334.9 | 44793.9 | 51729.6 |
| 67.5° | 1194.2  | 1197.5  | 1194.2  | 1204.2  | 1254.1  | 1337.2  | 2268.6  | 10591.4 | 46630.1 | 60398.3 |
| 70°   | 1104.4  | 1111.0  | 1094.4  | 1094.4  | 1134.3  | 1137.6  | 1420.4  | 5808.0  | 45106.6 | 67663.3 |
| 72.5° | 997.9   | 1007.9  | 981.3   | 974.6   | 1004.6  | 991.3   | 1067.8  | 2787.6  | 38726.5 | 69832.1 |
| 75°   | 904.8   | 918.1   | 858.2   | 841.6   | 841.6   | 831.6   | 868.2   | 1430.4  | 25134.6 | 56965.4 |
| 77.5° | 821.6   | 848.2   | 751.8   | 698.6   | 685.2   | 655.3   | 708.5   | 874.9   | 10993.9 | 26744.6 |
| 80°   | 678.6   | 715.2   | 618.7   | 555.5   | 532.2   | 499.0   | 558.8   | 612.1   | 3269.9  | 6210.5  |
| 82.5° | 505.6   | 522.3   | 439.1   | 395.8   | 375.9   | 352.6   | 419.1   | 425.8   | 1064.5  | 2198.8  |
| 85°   | 322.7   | 329.3   | 269.4   | 232.9   | 222.9   | 212.9   | 266.1   | 232.9   | 405.8   | 1616.7  |
| 87.5° | 113.1   | 129.7   | 103.1   | 93.1    | 99.8    | 83.2    | 123.1   | 69.9    | 113.1   | 1141.0  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

11695.8  
11702.4  
11779.0  
11858.8  
11888.7  
11915.3  
11981.9  
12128.2  
12351.1  
12590.6  
12883.3  
13232.6  
13492.1  
13781.5  
14263.8  
14915.8  
15897.1  
16502.5  
16855.1  
17899.6  
19446.4  
21758.3  
24925.1  
28983.3  
34222.5  
40685.8  
48343.3  
56742.5  
66701.9  
72360.2  
60930.5  
26189.1  
5947.7  
2484.9  
2348.5  
1413.7  
0.0

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