

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: P944783

Luminaire Tested: **GLAN-SB9D-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944783  
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-SB9D-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55813 lumens  
Efficiency: N/A  
Efficacy: 84.8 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): 658  
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



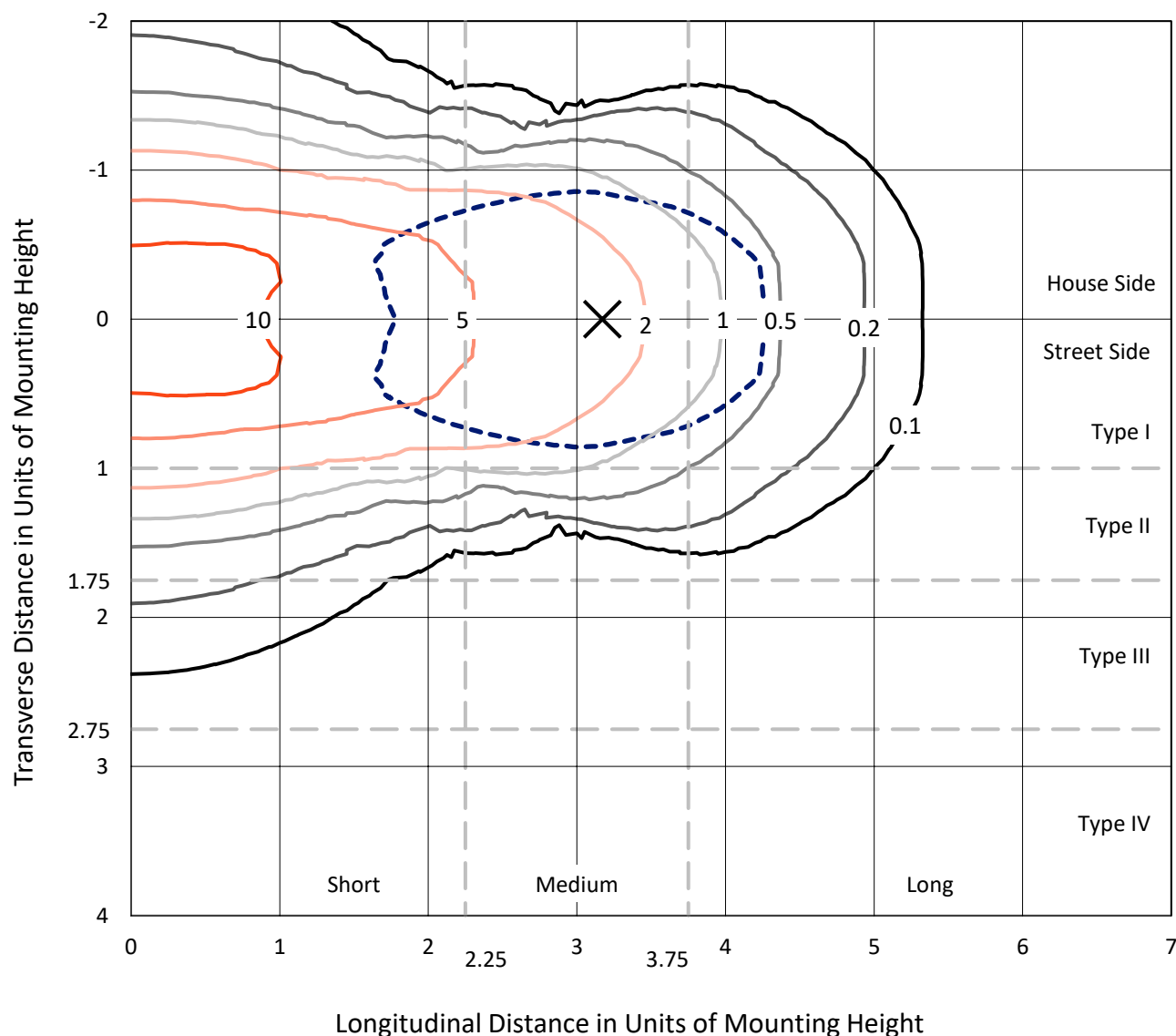
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

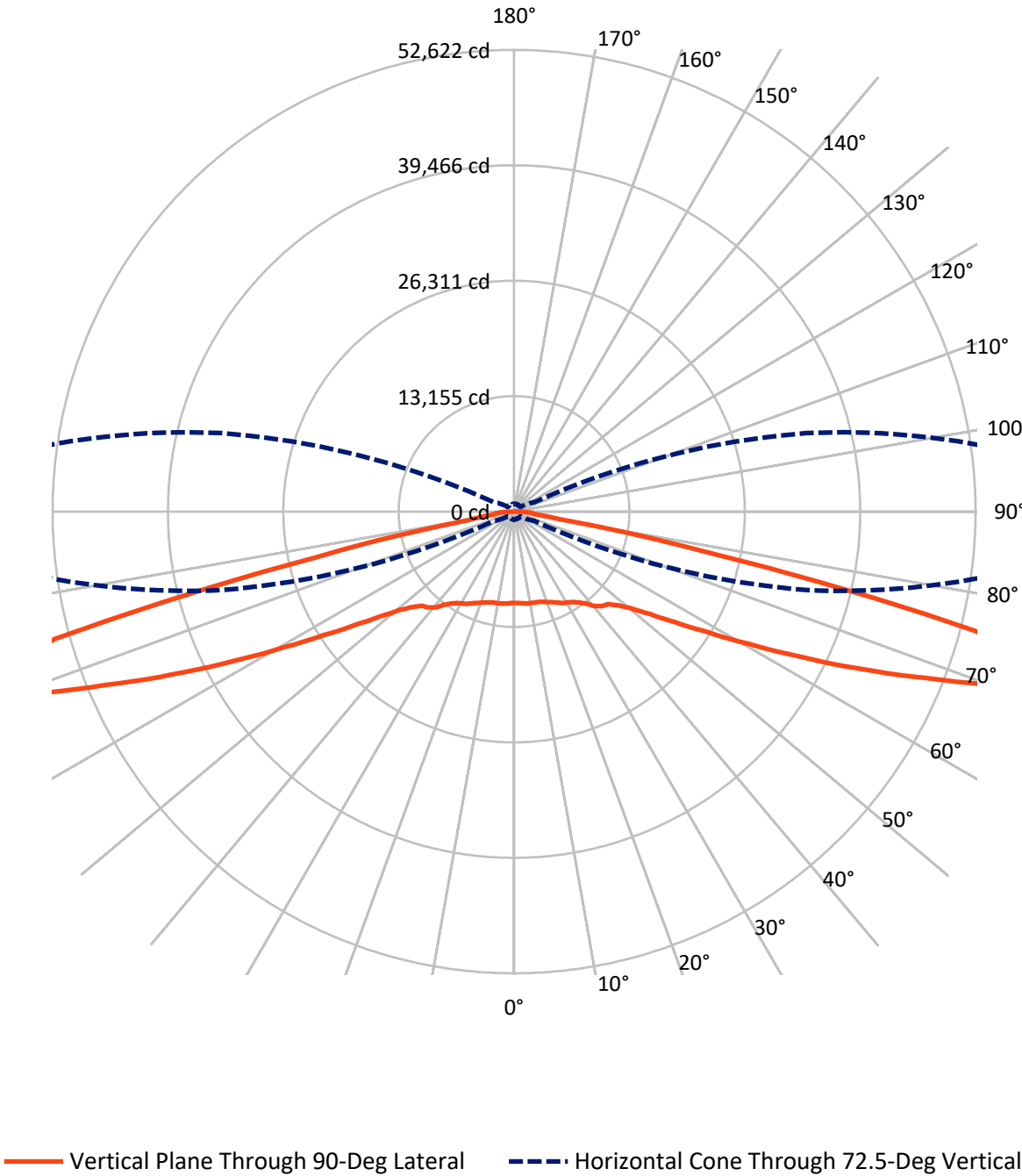


Based on 25 foot mounting height. Maximum calculated value = 16.7 fc

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    | 27906.5  | 0.0    | 27906.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 27906.5  | 0.0    | 27906.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 55813.0  | 0.0    | 55813.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1011.2  | 1.8       |
| 10°-20°   | 3092.0  | 5.5       |
| 20°-30°   | 5155.6  | 9.2       |
| 30°-40°   | 7090.5  | 12.7      |
| 40°-50°   | 8659.5  | 15.5      |
| 50°-60°   | 10015.6 | 17.9      |
| 60°-70°   | 11942.0 | 21.4      |
| 70°-80°   | 8334.7  | 14.9      |
| 80°-90°   | 511.9   | 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°    | 55813.0 | 100.0     |
| 0°-180°   | 55813.0 | 100.0     |

**Coefficient of Utilization**



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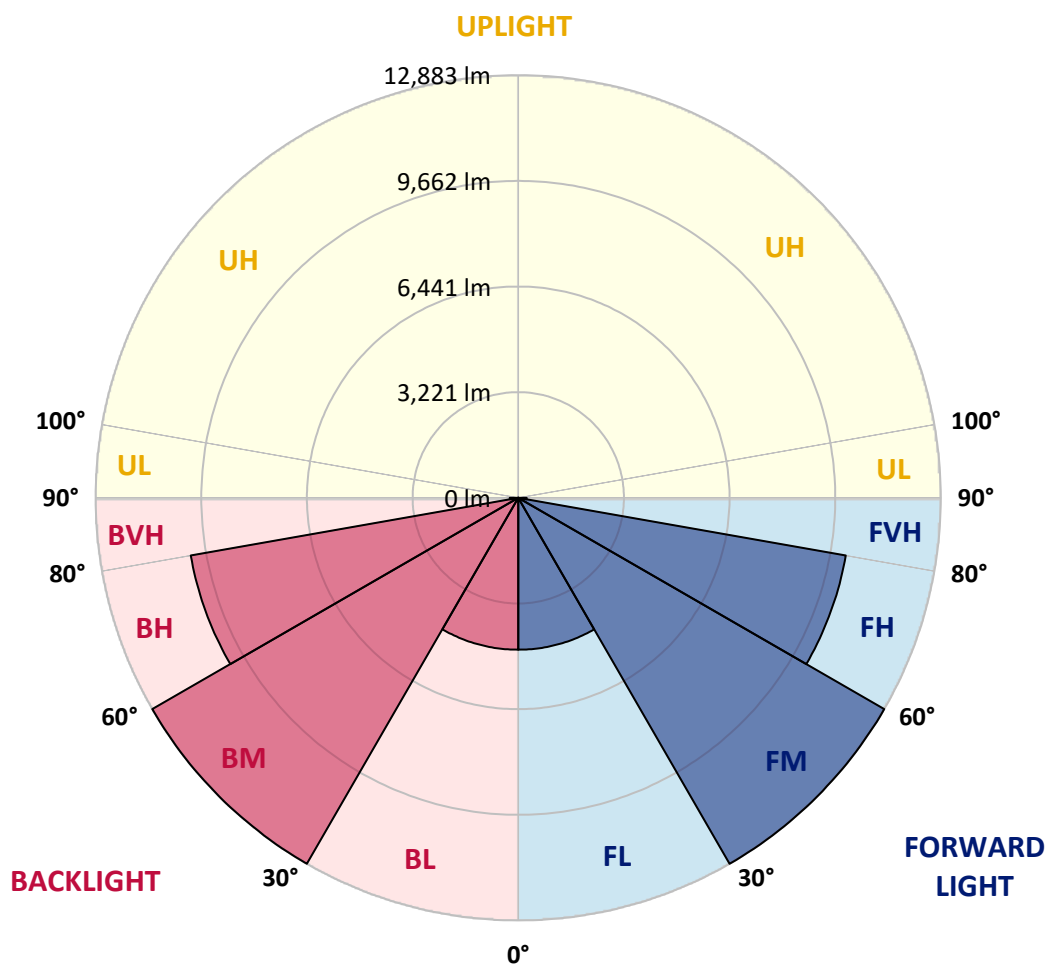
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4629.4  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 12882.8 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 10138.3 | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 256.0   | 0.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 4629.4  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 12882.8 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 10138.3 | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 256.0   | 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°    | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 | 10429.2 |
| 2.5°  | 10438.1 | 10450.0 | 10450.0 | 10441.1 | 10461.9 | 10444.1 | 10444.1 | 10435.2 | 10444.1 | 10435.2 |
| 5°    | 10491.5 | 10506.4 | 10512.3 | 10509.3 | 10536.0 | 10521.2 | 10521.2 | 10509.3 | 10512.3 | 10503.4 |
| 7.5°  | 10592.4 | 10613.2 | 10625.0 | 10639.9 | 10678.4 | 10660.6 | 10648.7 | 10613.2 | 10598.3 | 10574.6 |
| 10°   | 10625.0 | 10648.7 | 10687.3 | 10764.4 | 10853.4 | 10856.4 | 10820.8 | 10731.8 | 10663.6 | 10610.2 |
| 12.5° | 10524.2 | 10556.8 | 10636.9 | 10794.1 | 10992.8 | 11072.9 | 11016.6 | 10868.2 | 10734.8 | 10639.9 |
| 15°   | 10396.6 | 10432.2 | 10553.8 | 10791.1 | 11084.8 | 11271.7 | 11265.7 | 11070.0 | 10856.4 | 10708.1 |
| 17.5° | 10197.9 | 10233.5 | 10408.5 | 10740.7 | 11156.0 | 11464.5 | 11547.5 | 11345.8 | 11046.2 | 10847.5 |
| 20°   | 9839.0  | 9871.6  | 10114.8 | 10580.5 | 11179.7 | 11669.1 | 11885.7 | 11707.7 | 11333.9 | 11064.0 |
| 22.5° | 9373.3  | 9423.7  | 9708.5  | 10304.7 | 11123.3 | 11882.7 | 12271.3 | 12149.7 | 11669.1 | 11295.4 |
| 25°   | 8874.9  | 8928.3  | 9260.6  | 9966.5  | 10978.0 | 12036.9 | 12728.1 | 12651.0 | 12048.8 | 11583.1 |
| 27.5° | 8444.8  | 8501.2  | 8863.1  | 9631.3  | 10752.6 | 12096.3 | 13178.9 | 13217.5 | 12508.6 | 11900.5 |
| 30°   | 8106.7  | 8160.1  | 8545.7  | 9361.4  | 10461.9 | 12036.9 | 13573.4 | 13840.4 | 12977.2 | 12176.4 |
| 32.5° | 7735.9  | 7804.1  | 8210.5  | 9032.2  | 10117.8 | 11894.6 | 13917.5 | 14513.7 | 13520.1 | 12473.0 |
| 35°   | 7267.3  | 7329.5  | 7756.7  | 8581.3  | 9666.9  | 11666.2 | 14205.3 | 15261.2 | 14297.2 | 12923.8 |
| 37.5° | 6697.7  | 6757.1  | 7181.2  | 8017.7  | 9219.0  | 11345.8 | 14424.8 | 16103.6 | 15222.7 | 13573.4 |
| 40°   | 6125.3  | 6181.6  | 6579.1  | 7388.9  | 8682.1  | 10936.5 | 14501.9 | 16928.2 | 16284.6 | 14466.3 |
| 42.5° | 5600.2  | 5650.7  | 6015.5  | 6768.9  | 8080.0  | 10414.4 | 14401.0 | 17646.1 | 17236.7 | 15089.2 |
| 45°   | 5116.7  | 5161.2  | 5484.6  | 6187.5  | 7454.1  | 9779.6  | 14098.5 | 18417.3 | 18369.8 | 15534.1 |
| 47.5° | 4565.0  | 4609.5  | 4944.7  | 5624.0  | 6828.3  | 9035.1  | 13585.3 | 19176.6 | 19944.9 | 16542.6 |
| 50°   | 3891.7  | 3930.2  | 4274.3  | 4974.4  | 6178.6  | 8243.1  | 12873.4 | 19772.9 | 21932.3 | 18070.2 |
| 52.5° | 3093.8  | 3135.3  | 3470.5  | 4170.5  | 5407.4  | 7391.8  | 11936.1 | 20161.4 | 24228.1 | 20300.8 |
| 55°   | 2301.8  | 2331.5  | 2622.1  | 3251.0  | 4452.3  | 6421.9  | 10761.5 | 20271.2 | 26832.5 | 23350.1 |
| 57.5° | 1670.0  | 1687.8  | 1874.7  | 2343.3  | 3375.6  | 5208.7  | 9334.7  | 19986.4 | 29932.2 | 27259.6 |
| 60°   | 1352.6  | 1358.5  | 1414.9  | 1622.5  | 2346.3  | 3838.3  | 7611.3  | 19007.6 | 33295.9 | 32299.2 |
| 62.5° | 1228.0  | 1228.0  | 1242.8  | 1299.2  | 1586.9  | 2533.2  | 5526.1  | 16978.7 | 36902.8 | 38667.7 |
| 65°   | 1142.0  | 1142.0  | 1147.9  | 1174.6  | 1251.7  | 1613.6  | 3488.3  | 13674.3 | 39943.2 | 46127.8 |
| 67.5° | 1064.9  | 1067.8  | 1064.9  | 1073.8  | 1118.3  | 1192.4  | 2023.0  | 9444.5  | 41580.5 | 53857.8 |
| 70°   | 984.8   | 990.7   | 975.9   | 975.9   | 1011.5  | 1014.4  | 1266.6  | 5179.0  | 40222.0 | 60336.0 |
| 72.5° | 889.9   | 898.8   | 875.0   | 869.1   | 895.8   | 883.9   | 952.2   | 2485.7  | 34532.8 | 62270.0 |
| 75°   | 806.8   | 818.7   | 765.3   | 750.5   | 750.5   | 741.6   | 774.2   | 1275.5  | 22412.8 | 50796.6 |
| 77.5° | 732.7   | 756.4   | 670.4   | 622.9   | 611.0   | 584.3   | 631.8   | 780.1   | 9803.4  | 23848.5 |
| 80°   | 605.1   | 637.7   | 551.7   | 495.4   | 474.6   | 444.9   | 498.3   | 545.8   | 2915.8  | 5537.9  |
| 82.5° | 450.9   | 465.7   | 391.5   | 353.0   | 335.2   | 314.4   | 373.7   | 379.7   | 949.2   | 1960.7  |
| 85°   | 287.7   | 293.7   | 240.3   | 207.6   | 198.7   | 189.8   | 237.3   | 207.6   | 361.9   | 1441.6  |
| 87.5° | 100.9   | 115.7   | 92.0    | 83.1    | 89.0    | 74.2    | 109.8   | 62.3    | 100.9   | 1017.4  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

10429.2  
10435.2  
10503.4  
10574.6  
10601.3  
10625.0  
10684.3  
10814.9  
11013.6  
11227.2  
11488.2  
11799.6  
12031.0  
12289.1  
12719.2  
13300.6  
14175.6  
14715.4  
15029.9  
15961.3  
17340.6  
19402.1  
22225.9  
25844.7  
30516.5  
36279.9  
43108.2  
50597.9  
59478.8  
64524.3  
54332.3  
23353.1  
5303.6  
2215.8  
2094.2  
1260.6  
0.0

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