

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: P943913

Luminaire Tested: **GLAN-SB8C-840-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943913  
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-SB8C-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 57303 lumens  
Efficiency: N/A  
Efficacy: 143.3 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): 399.8  
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



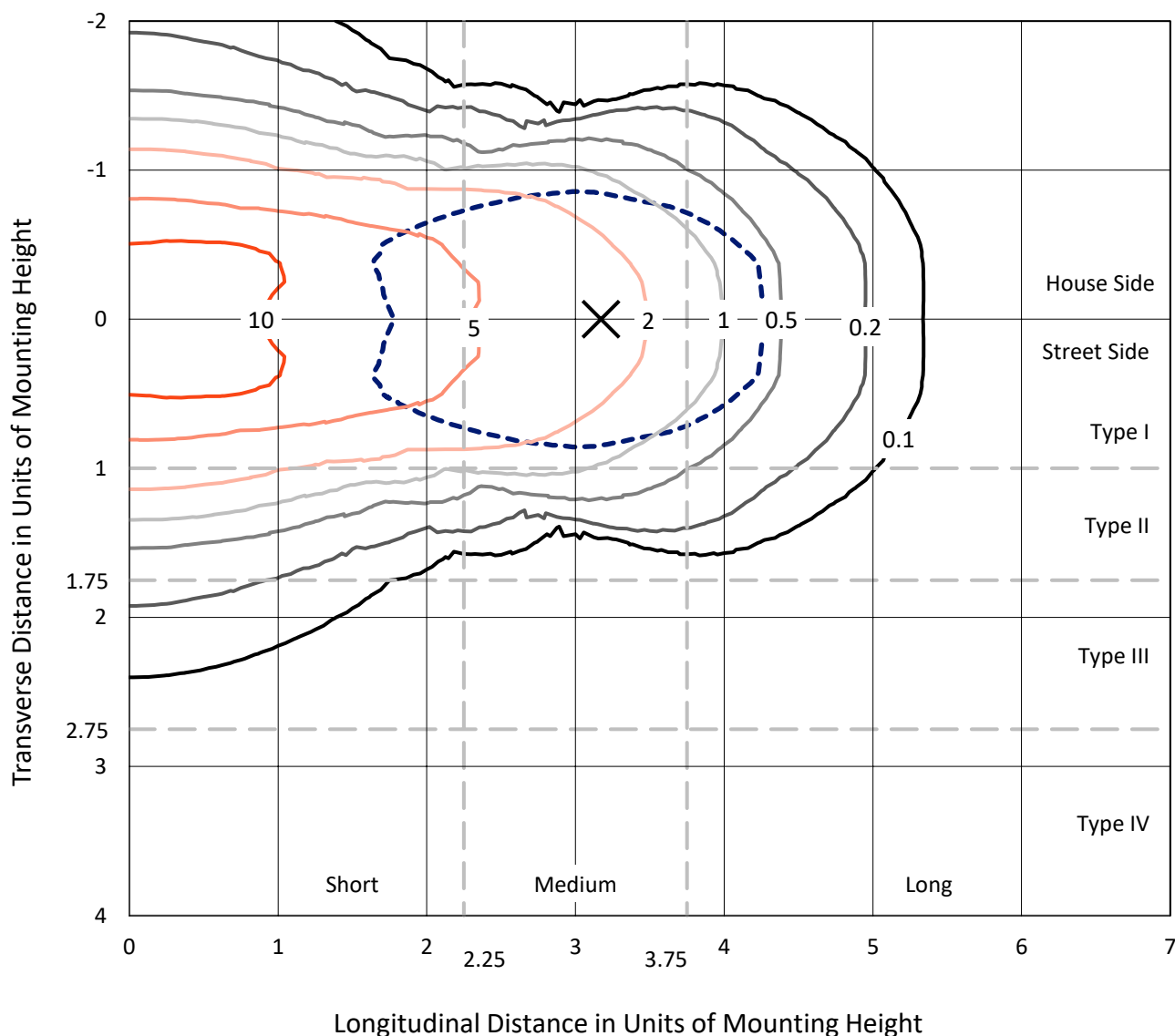
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

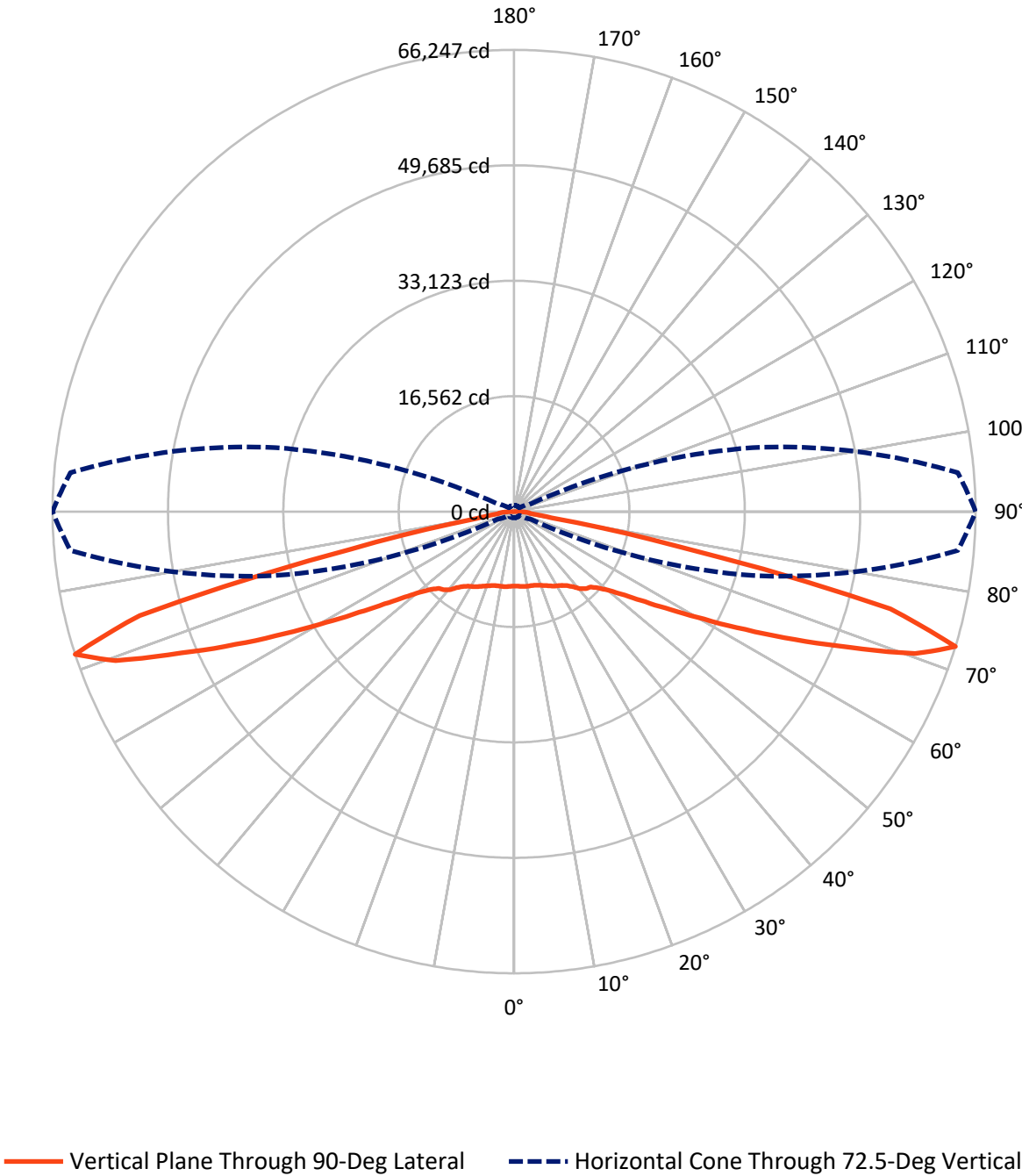


Based on 25 foot mounting height. Maximum calculated value = 17.1 fc

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    | 28651.5  | 0.0    | 28651.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 28651.5  | 0.0    | 28651.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 57303.0  | 0.0    | 57303.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1038.2  | 1.8       |
| 10°-20°   | 3174.5  | 5.5       |
| 20°-30°   | 5293.2  | 9.2       |
| 30°-40°   | 7279.8  | 12.7      |
| 40°-50°   | 8890.6  | 15.5      |
| 50°-60°   | 10283.0 | 17.9      |
| 60°-70°   | 12260.8 | 21.4      |
| 70°-80°   | 8557.2  | 14.9      |
| 80°-90°   | 525.6   | 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°    | 57303.0 | 100.0     |
| 0°-180°   | 57303.0 | 100.0     |

**Coefficient of Utilization**



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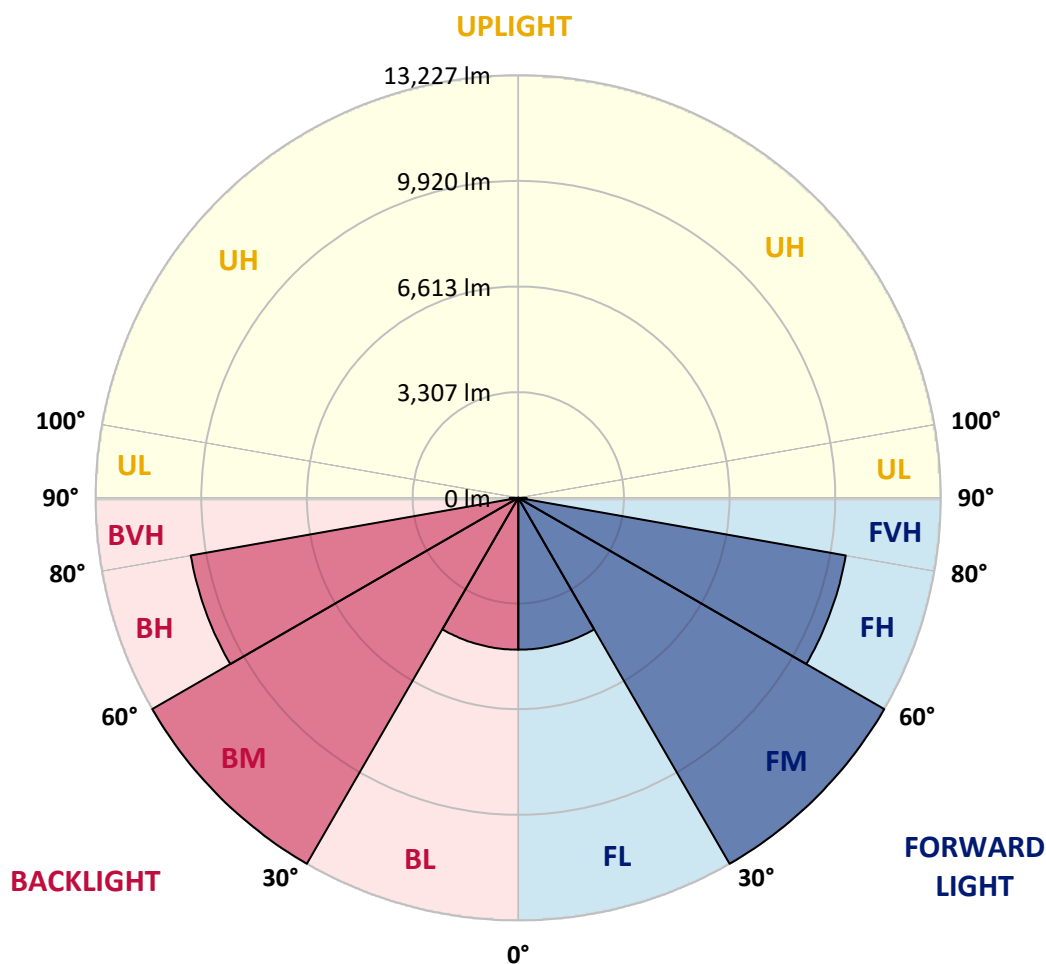
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4753.0  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 13226.7 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 10409.0 | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 262.8   | 0.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 4753.0  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 13226.7 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 10409.0 | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 262.8   | 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°    | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 | 10707.7 |
| 2.5°  | 10716.8 | 10729.0 | 10729.0 | 10719.9 | 10741.2 | 10722.9 | 10722.9 | 10713.8 | 10722.9 | 10713.8 |
| 5°    | 10771.6 | 10786.9 | 10792.9 | 10789.9 | 10817.3 | 10802.1 | 10802.1 | 10789.9 | 10792.9 | 10783.8 |
| 7.5°  | 10875.2 | 10896.5 | 10908.7 | 10923.9 | 10963.5 | 10945.2 | 10933.0 | 10896.5 | 10881.3 | 10856.9 |
| 10°   | 10908.7 | 10933.0 | 10972.6 | 11051.8 | 11143.2 | 11146.2 | 11109.7 | 11018.3 | 10948.3 | 10893.4 |
| 12.5° | 10805.1 | 10838.6 | 10920.8 | 11082.3 | 11286.3 | 11368.5 | 11310.7 | 11158.4 | 11021.3 | 10923.9 |
| 15°   | 10674.2 | 10710.7 | 10835.6 | 11079.2 | 11380.7 | 11572.6 | 11566.5 | 11365.5 | 11146.2 | 10993.9 |
| 17.5° | 10470.1 | 10506.7 | 10686.4 | 11027.4 | 11453.8 | 11770.5 | 11855.8 | 11648.7 | 11341.1 | 11137.1 |
| 20°   | 10101.6 | 10135.1 | 10384.9 | 10863.0 | 11478.2 | 11980.7 | 12203.0 | 12020.2 | 11636.5 | 11359.4 |
| 22.5° | 9623.5  | 9675.3  | 9967.6  | 10579.8 | 11420.3 | 12199.9 | 12598.9 | 12474.0 | 11980.7 | 11596.9 |
| 25°   | 9111.9  | 9166.7  | 9507.8  | 10232.6 | 11271.1 | 12358.3 | 13067.9 | 12988.7 | 12370.5 | 11892.3 |
| 27.5° | 8670.3  | 8728.2  | 9099.7  | 9888.5  | 11039.6 | 12419.2 | 13530.8 | 13570.4 | 12842.5 | 12218.2 |
| 30°   | 8323.1  | 8377.9  | 8773.8  | 9611.3  | 10741.2 | 12358.3 | 13935.8 | 14209.9 | 13323.7 | 12501.4 |
| 32.5° | 7942.4  | 8012.5  | 8429.7  | 9273.3  | 10387.9 | 12212.1 | 14289.1 | 14901.2 | 13881.0 | 12806.0 |
| 35°   | 7461.3  | 7525.2  | 7963.8  | 8810.4  | 9925.0  | 11977.6 | 14584.5 | 15668.6 | 14678.9 | 13268.9 |
| 37.5° | 6876.5  | 6937.4  | 7372.9  | 8231.8  | 9465.1  | 11648.7 | 14809.8 | 16533.5 | 15629.1 | 13935.8 |
| 40°   | 6288.8  | 6346.6  | 6754.7  | 7586.1  | 8913.9  | 11228.4 | 14889.0 | 17380.2 | 16719.3 | 14852.5 |
| 42.5° | 5749.7  | 5801.5  | 6176.1  | 6949.6  | 8295.7  | 10692.4 | 14785.5 | 18117.2 | 17696.9 | 15492.0 |
| 45°   | 5253.3  | 5299.0  | 5631.0  | 6352.7  | 7653.1  | 10040.7 | 14474.8 | 18909.0 | 18860.2 | 15948.8 |
| 47.5° | 4686.9  | 4732.6  | 5076.7  | 5774.1  | 7010.5  | 9276.3  | 13948.0 | 19688.6 | 20477.4 | 16984.3 |
| 50°   | 3995.6  | 4035.2  | 4388.4  | 5107.2  | 6343.6  | 8463.2  | 13217.1 | 20300.7 | 22517.8 | 18552.7 |
| 52.5° | 3176.4  | 3219.0  | 3563.1  | 4281.9  | 5551.8  | 7589.2  | 12254.7 | 20699.7 | 24874.9 | 20842.8 |
| 55°   | 2363.2  | 2393.7  | 2692.1  | 3337.8  | 4571.2  | 6593.3  | 11048.8 | 20812.3 | 27548.8 | 23973.5 |
| 57.5° | 1714.6  | 1732.8  | 1924.7  | 2405.9  | 3465.7  | 5347.7  | 9583.9  | 20520.0 | 30731.3 | 27987.3 |
| 60°   | 1388.7  | 1394.8  | 1452.7  | 1665.8  | 2408.9  | 3940.8  | 7814.5  | 19515.0 | 34184.8 | 33161.5 |
| 62.5° | 1260.8  | 1260.8  | 1276.0  | 1333.9  | 1629.3  | 2600.8  | 5673.6  | 17431.9 | 37888.0 | 39700.0 |
| 65°   | 1172.5  | 1172.5  | 1178.6  | 1206.0  | 1285.2  | 1656.7  | 3581.4  | 14039.4 | 41009.5 | 47359.2 |
| 67.5° | 1093.3  | 1096.3  | 1093.3  | 1102.4  | 1148.1  | 1224.3  | 2077.0  | 9696.6  | 42690.6 | 55295.6 |
| 70°   | 1011.1  | 1017.2  | 1001.9  | 1001.9  | 1038.5  | 1041.5  | 1300.4  | 5317.3  | 41295.8 | 61946.7 |
| 72.5° | 913.6   | 922.8   | 898.4   | 892.3   | 919.7   | 907.5   | 977.6   | 2552.1  | 35454.7 | 63932.3 |
| 75°   | 828.4   | 840.5   | 785.7   | 770.5   | 770.5   | 761.4   | 794.9   | 1309.5  | 23011.1 | 52152.7 |
| 77.5° | 752.2   | 776.6   | 688.3   | 639.5   | 627.4   | 599.9   | 648.7   | 800.9   | 10065.1 | 24485.1 |
| 80°   | 621.3   | 654.8   | 566.4   | 508.6   | 487.3   | 456.8   | 511.6   | 560.4   | 2993.6  | 5685.8  |
| 82.5° | 462.9   | 478.1   | 402.0   | 362.4   | 344.1   | 322.8   | 383.7   | 389.8   | 974.5   | 2013.0  |
| 85°   | 295.4   | 301.5   | 246.7   | 213.2   | 204.0   | 194.9   | 243.6   | 213.2   | 371.5   | 1480.1  |
| 87.5° | 103.5   | 118.8   | 94.4    | 85.3    | 91.4    | 76.1    | 112.7   | 64.0    | 103.5   | 1044.6  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

10707.7  
10713.8  
10783.8  
10856.9  
10884.3  
10908.7  
10969.6  
11103.6  
11307.6  
11526.9  
11794.9  
12114.7  
12352.2  
12617.1  
13058.7  
13655.6  
14554.0  
15108.3  
15431.1  
16387.4  
17803.5  
19920.0  
22819.3  
26534.7  
31331.2  
37248.4  
44259.0  
51948.6  
61066.6  
66246.9  
55782.8  
23976.5  
5445.2  
2274.9  
2150.1  
1294.3  
0.0

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