

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: P941893

Luminaire Tested: **GLAN-SB5C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941893  
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-SB5C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

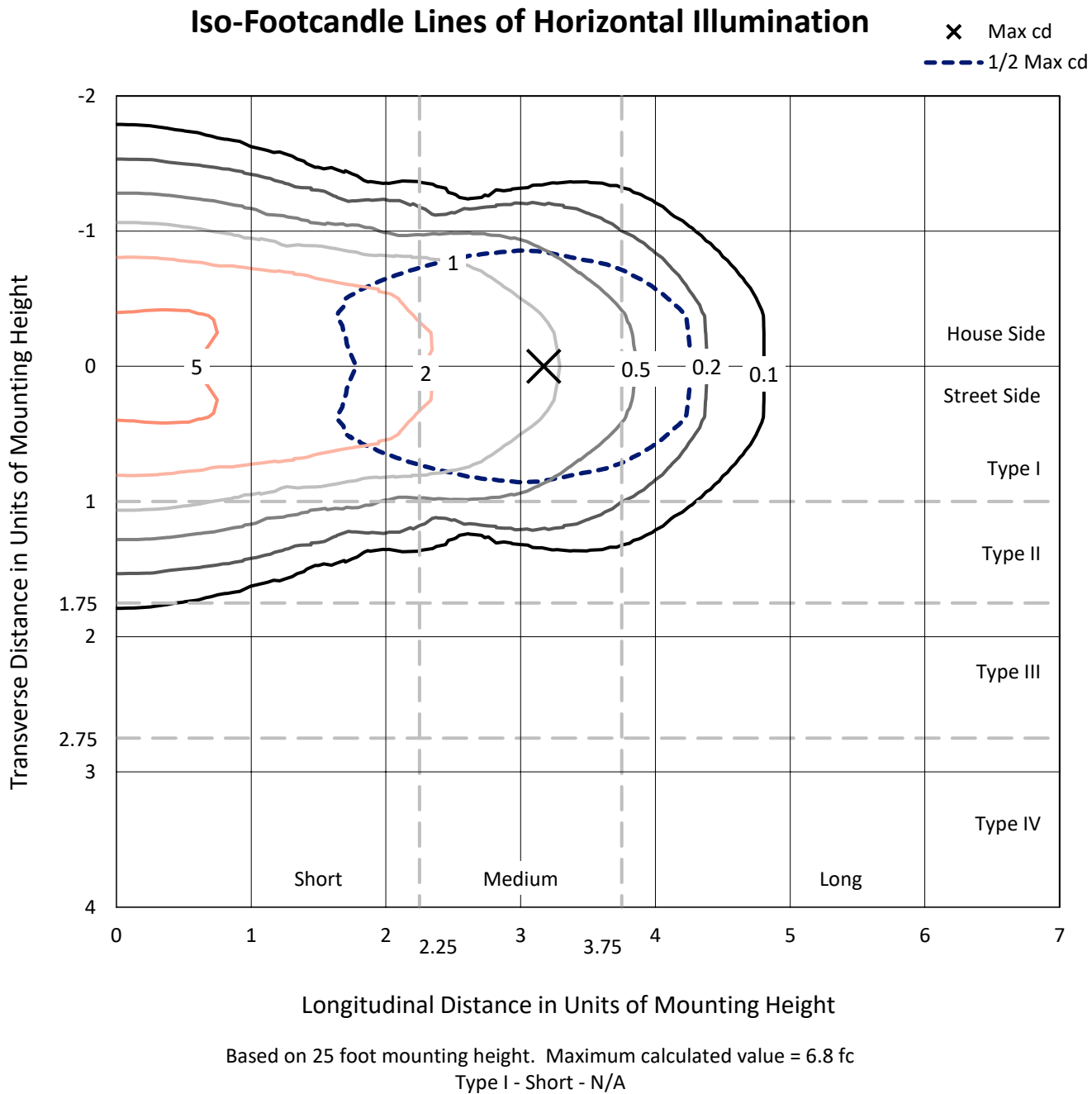
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22780 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 249.5  
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

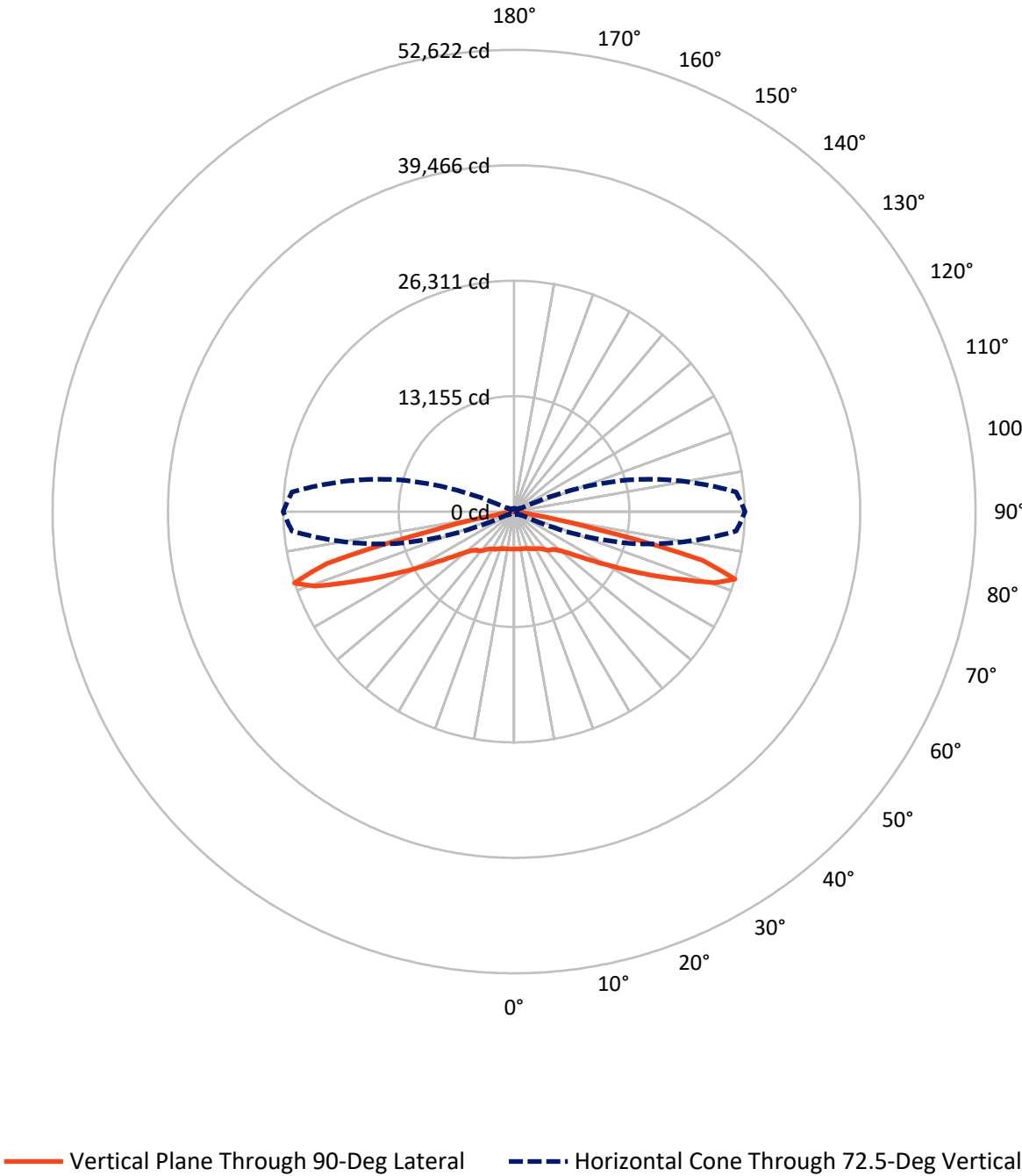


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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11390.0  | 0.0    | 11390.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11390.0  | 0.0    | 11390.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 22780.0  | 0.0    | 22780.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 412.7   | 1.8       |
| 10°-20°   | 1262.0  | 5.5       |
| 20°-30°   | 2104.2  | 9.2       |
| 30°-40°   | 2894.0  | 12.7      |
| 40°-50°   | 3534.3  | 15.5      |
| 50°-60°   | 4087.9  | 17.9      |
| 60°-70°   | 4874.1  | 21.4      |
| 70°-80°   | 3401.8  | 14.9      |
| 80°-90°   | 208.9   | 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°    | 22780.0 | 100.0     |
| 0°-180°   | 22780.0 | 100.0     |

**Coefficient of Utilization**



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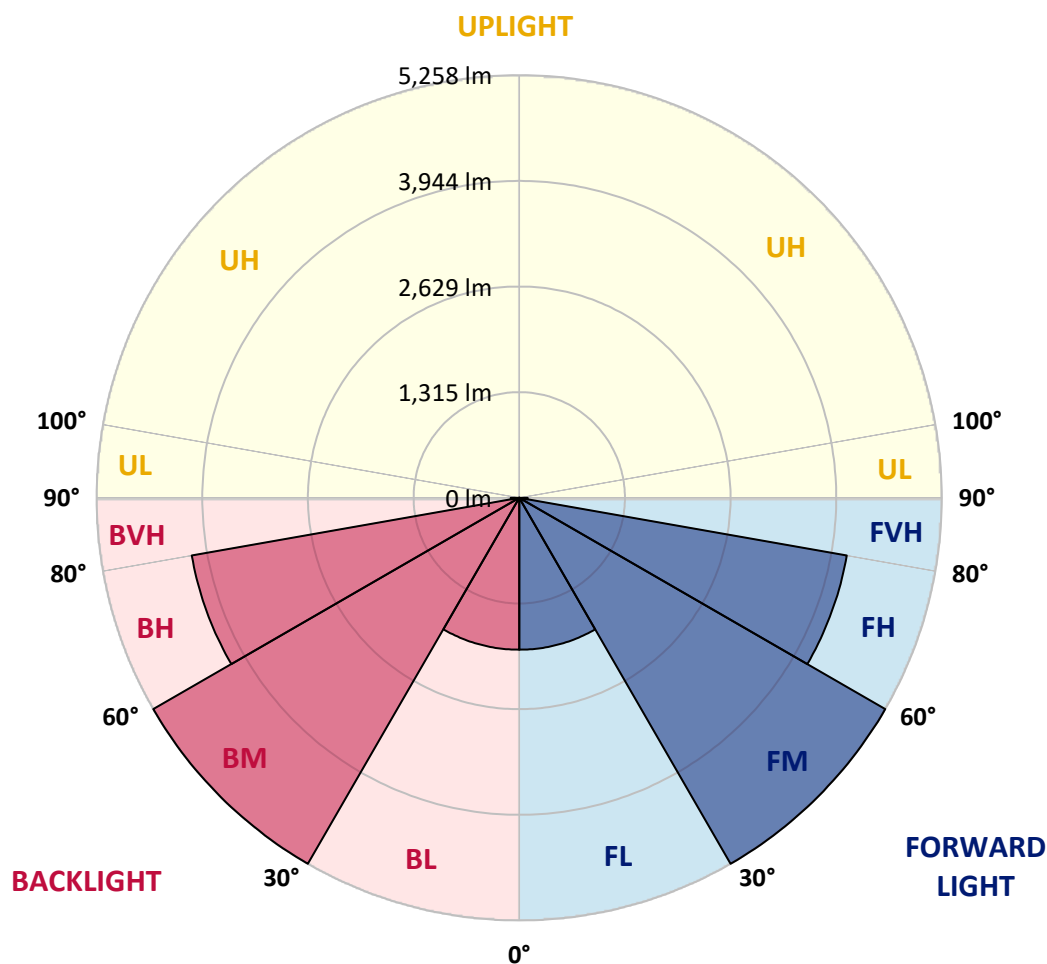
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1889.5 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 5258.1 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 4137.9 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 104.5  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1889.5 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5258.1 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4137.9 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 104.5  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4256.7 | 4256.7 | 4256.7 | 4256.7 | 4256.7 | 4256.7 | 4256.7 | 4256.7 | 4256.7  | 4256.7  |
| 2.5°  | 4260.3 | 4265.2 | 4265.2 | 4261.5 | 4270.0 | 4262.7 | 4262.7 | 4259.1 | 4262.7  | 4259.1  |
| 5°    | 4282.1 | 4288.2 | 4290.6 | 4289.4 | 4300.3 | 4294.2 | 4294.2 | 4289.4 | 4290.6  | 4286.9  |
| 7.5°  | 4323.3 | 4331.7 | 4336.6 | 4342.6 | 4358.4 | 4351.1 | 4346.3 | 4331.7 | 4325.7  | 4316.0  |
| 10°   | 4336.6 | 4346.3 | 4362.0 | 4393.5 | 4429.8 | 4431.0 | 4416.5 | 4380.2 | 4352.3  | 4330.5  |
| 12.5° | 4295.4 | 4308.7 | 4341.4 | 4405.6 | 4486.7 | 4519.4 | 4496.4 | 4435.9 | 4381.4  | 4342.6  |
| 15°   | 4243.4 | 4257.9 | 4307.5 | 4404.4 | 4524.2 | 4600.5 | 4598.1 | 4518.2 | 4431.0  | 4370.5  |
| 17.5° | 4162.3 | 4176.8 | 4248.2 | 4383.8 | 4553.3 | 4679.2 | 4713.1 | 4630.8 | 4508.5  | 4427.4  |
| 20°   | 4015.8 | 4029.1 | 4128.4 | 4318.4 | 4563.0 | 4762.7 | 4851.1 | 4778.5 | 4625.9  | 4515.8  |
| 22.5° | 3825.7 | 3846.3 | 3962.5 | 4205.8 | 4540.0 | 4849.9 | 5008.5 | 4958.9 | 4762.7  | 4610.2  |
| 25°   | 3622.3 | 3644.1 | 3779.7 | 4067.8 | 4480.7 | 4912.9 | 5194.9 | 5163.5 | 4917.7  | 4727.6  |
| 27.5° | 3446.8 | 3469.8 | 3617.5 | 3931.0 | 4388.6 | 4937.1 | 5379.0 | 5394.7 | 5105.4  | 4857.2  |
| 30°   | 3308.7 | 3330.5 | 3487.9 | 3820.8 | 4270.0 | 4912.9 | 5540.0 | 5648.9 | 5296.6  | 4969.8  |
| 32.5° | 3157.4 | 3185.2 | 3351.1 | 3686.5 | 4129.6 | 4854.7 | 5680.4 | 5923.8 | 5518.2  | 5090.8  |
| 35°   | 2966.1 | 2991.5 | 3165.9 | 3502.4 | 3945.5 | 4761.5 | 5797.9 | 6228.8 | 5835.4  | 5274.8  |
| 37.5° | 2733.7 | 2757.9 | 2931.0 | 3272.4 | 3762.7 | 4630.8 | 5887.4 | 6572.7 | 6213.1  | 5540.0  |
| 40°   | 2500.0 | 2523.0 | 2685.2 | 3015.8 | 3543.6 | 4463.7 | 5918.9 | 6909.2 | 6646.5  | 5904.4  |
| 42.5° | 2285.7 | 2306.3 | 2455.2 | 2762.7 | 3297.8 | 4250.6 | 5877.8 | 7202.2 | 7035.2  | 6158.6  |
| 45°   | 2088.4 | 2106.5 | 2238.5 | 2525.4 | 3042.4 | 3991.5 | 5754.3 | 7517.0 | 7497.6  | 6340.2  |
| 47.5° | 1863.2 | 1881.4 | 2018.2 | 2295.4 | 2786.9 | 3687.7 | 5544.8 | 7826.9 | 8140.5  | 6751.9  |
| 50°   | 1588.4 | 1604.1 | 1744.6 | 2030.3 | 2521.8 | 3364.4 | 5254.3 | 8070.3 | 8951.6  | 7375.3  |
| 52.5° | 1262.7 | 1279.7 | 1416.5 | 1702.2 | 2207.0 | 3017.0 | 4871.7 | 8228.9 | 9888.7  | 8285.8  |
| 55°   | 939.5  | 951.6  | 1070.2 | 1326.9 | 1817.2 | 2621.1 | 4392.3 | 8273.7 | 10951.6 | 9530.3  |
| 57.5° | 681.6  | 688.9  | 765.1  | 956.4  | 1377.7 | 2125.9 | 3809.9 | 8157.4 | 12216.8 | 11126.0 |
| 60°   | 552.1  | 554.5  | 577.5  | 662.2  | 957.6  | 1566.6 | 3106.6 | 7757.9 | 13589.7 | 13182.9 |
| 62.5° | 501.2  | 501.2  | 507.3  | 530.3  | 647.7  | 1033.9 | 2255.5 | 6929.8 | 15061.8 | 15782.2 |
| 65°   | 466.1  | 466.1  | 468.5  | 479.4  | 510.9  | 658.6  | 1423.7 | 5581.1 | 16302.8 | 18827.0 |
| 67.5° | 434.6  | 435.8  | 434.6  | 438.3  | 456.4  | 486.7  | 825.7  | 3854.7 | 16971.0 | 21982.0 |
| 70°   | 401.9  | 404.4  | 398.3  | 398.3  | 412.8  | 414.0  | 517.0  | 2113.8 | 16416.6 | 24626.1 |
| 72.5° | 363.2  | 366.8  | 357.1  | 354.7  | 365.6  | 360.8  | 388.6  | 1014.5 | 14094.5 | 25415.4 |
| 75°   | 329.3  | 334.1  | 312.4  | 306.3  | 306.3  | 302.7  | 316.0  | 520.6  | 9147.8  | 20732.6 |
| 77.5° | 299.0  | 308.7  | 273.6  | 254.2  | 249.4  | 238.5  | 257.9  | 318.4  | 4001.2  | 9733.7  |
| 80°   | 247.0  | 260.3  | 225.2  | 202.2  | 193.7  | 181.6  | 203.4  | 222.8  | 1190.1  | 2260.3  |
| 82.5° | 184.0  | 190.1  | 159.8  | 144.1  | 136.8  | 128.3  | 152.5  | 155.0  | 387.4   | 800.2   |
| 85°   | 117.4  | 119.9  | 98.1   | 84.7   | 81.1   | 77.5   | 96.9   | 84.7   | 147.7   | 588.4   |
| 87.5° | 41.2   | 47.2   | 37.5   | 33.9   | 36.3   | 30.3   | 44.8   | 25.4   | 41.2    | 415.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

4256.7  
4259.1  
4286.9  
4316.0  
4326.9  
4336.6  
4360.8  
4414.1  
4495.2  
4582.4  
4688.9  
4816.0  
4910.4  
5015.8  
5191.3  
5428.6  
5785.7  
6006.1  
6134.4  
6514.6  
7077.5  
7918.9  
9071.5  
10548.5  
12455.3  
14807.6  
17594.5  
20651.5  
24276.2  
26335.5  
22175.7  
9531.5  
2164.7  
904.4  
854.7  
514.5  
0.0

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