

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: P942753

Luminaire Tested: **GLAN-SB6D-930-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942753  
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-SB6D-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42467 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1  
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



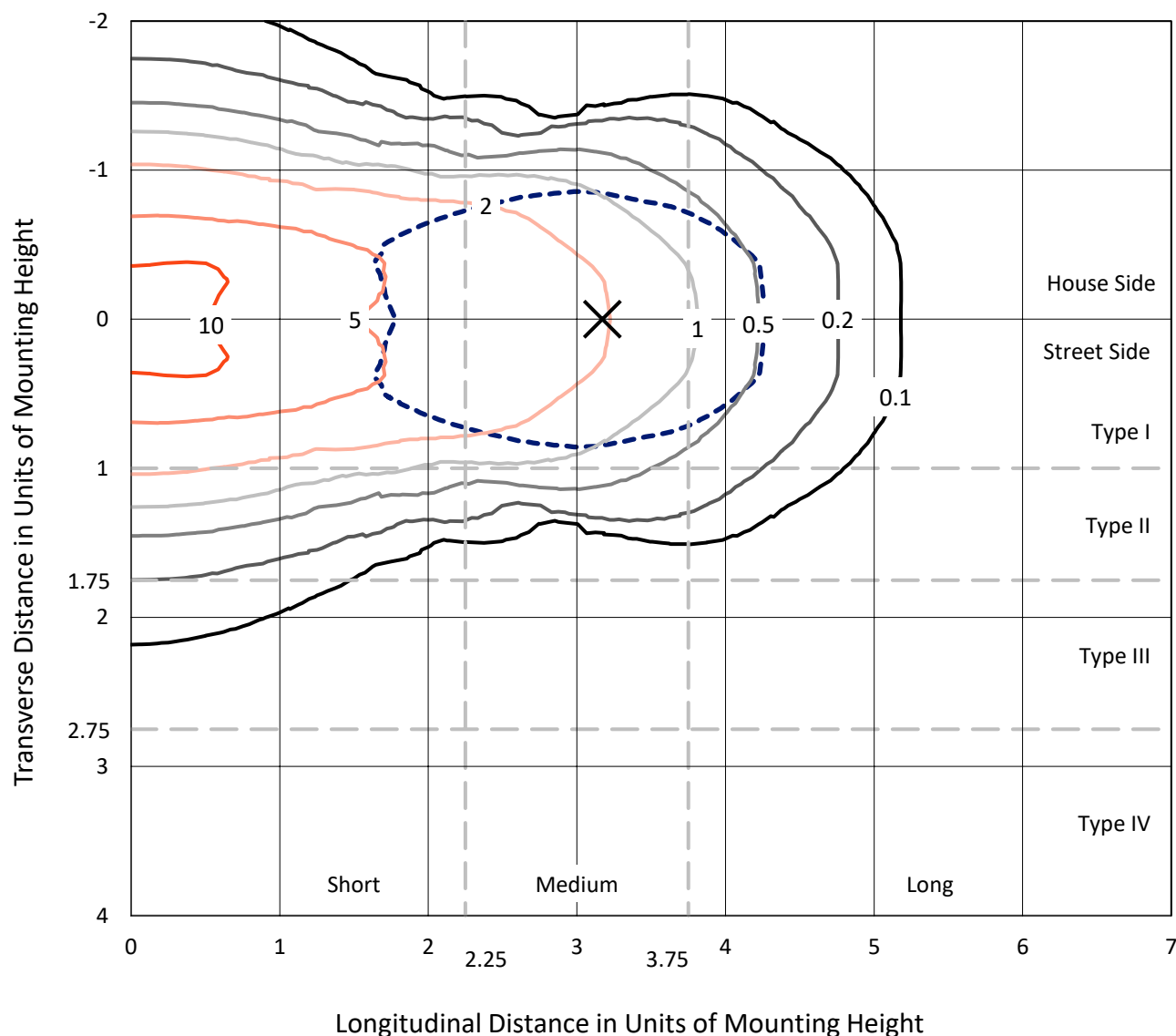
REPORT NUMBER: P942753

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

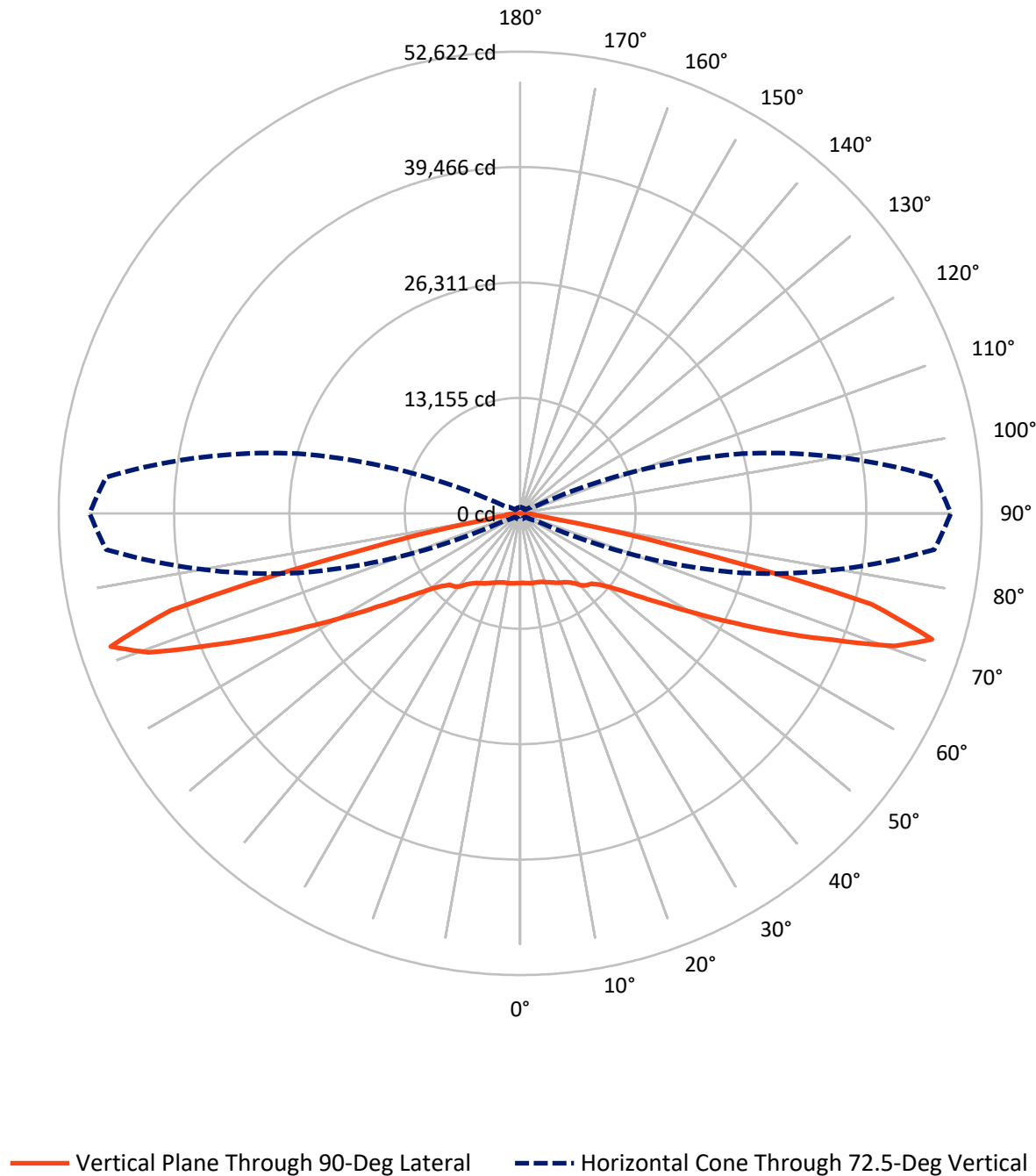


Based on 25 foot mounting height. Maximum calculated value = 12.7 fc

Type I - Short - N/A

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## Luminous Intensity Polar Plot



REPORT NUMBER: P942753

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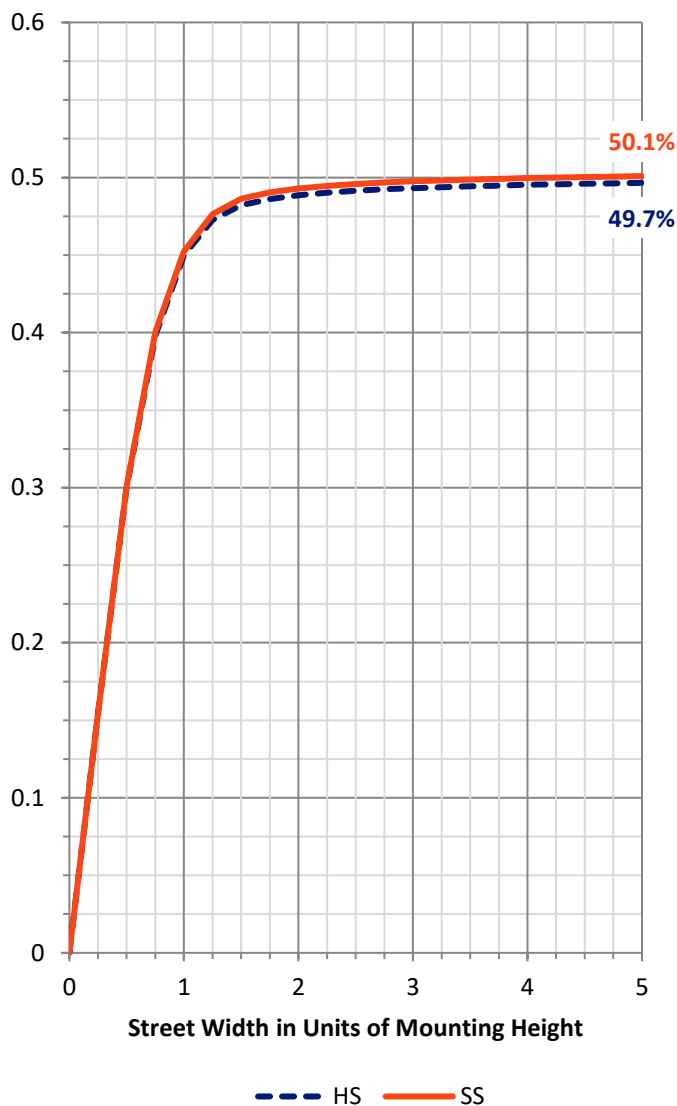
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21233.5  | 0.0    | 21233.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21233.5  | 0.0    | 21233.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 42467.0  | 0.0    | 42467.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 769.4   | 1.8       |
| 10°-20°   | 2352.6  | 5.5       |
| 20°-30°   | 3922.8  | 9.2       |
| 30°-40°   | 5395.0  | 12.7      |
| 40°-50°   | 6588.8  | 15.5      |
| 50°-60°   | 7620.7  | 17.9      |
| 60°-70°   | 9086.4  | 21.4      |
| 70°-80°   | 6341.7  | 14.9      |
| 80°-90°   | 389.5   | 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°    | 42467.0 | 100.0     |
| 0°-180°   | 42467.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942753

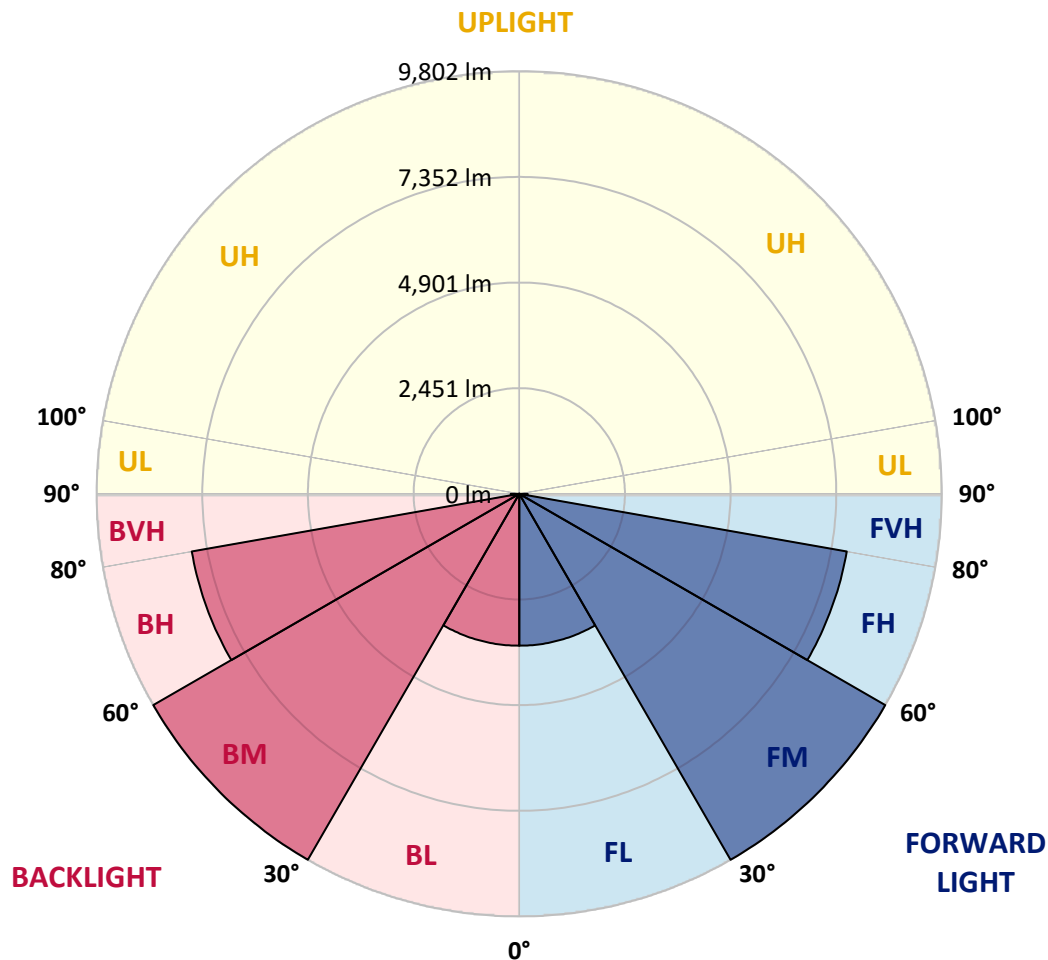
CATALOG NUMBER: GLAN-SB6D-930-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3522.4 | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 9802.3 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 7714.1 | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 194.8  | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3522.4 | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 9802.3 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 7714.1 | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 194.8  | 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°    | 7935.4 | 7935.4 | 7935.4 | 7935.4 | 7935.4 | 7935.4 | 7935.4  | 7935.4  | 7935.4  | 7935.4  |
| 2.5°  | 7942.2 | 7951.2 | 7951.2 | 7944.4 | 7960.2 | 7946.7 | 7946.7  | 7939.9  | 7946.7  | 7939.9  |
| 5°    | 7982.8 | 7994.1 | 7998.6 | 7996.3 | 8016.7 | 8005.4 | 8005.4  | 7996.3  | 7998.6  | 7991.8  |
| 7.5°  | 8059.5 | 8075.3 | 8084.4 | 8095.7 | 8125.0 | 8111.4 | 8102.4  | 8075.3  | 8064.1  | 8046.0  |
| 10°   | 8084.4 | 8102.4 | 8131.8 | 8190.4 | 8258.1 | 8260.4 | 8233.3  | 8165.6  | 8113.7  | 8073.1  |
| 12.5° | 8007.6 | 8032.5 | 8093.4 | 8213.0 | 8364.2 | 8425.2 | 8382.3  | 8269.4  | 8167.9  | 8095.7  |
| 15°   | 7910.6 | 7937.7 | 8030.2 | 8210.8 | 8434.2 | 8576.4 | 8571.9  | 8422.9  | 8260.4  | 8147.6  |
| 17.5° | 7759.4 | 7786.4 | 7919.6 | 8172.4 | 8488.4 | 8723.1 | 8786.3  | 8632.8  | 8404.9  | 8253.6  |
| 20°   | 7486.3 | 7511.1 | 7696.2 | 8050.5 | 8506.4 | 8878.8 | 9043.6  | 8908.1  | 8623.8  | 8418.4  |
| 22.5° | 7131.9 | 7170.3 | 7387.0 | 7840.6 | 8463.5 | 9041.3 | 9337.0  | 9244.4  | 8878.8  | 8594.4  |
| 25°   | 6752.8 | 6793.4 | 7046.2 | 7583.3 | 8352.9 | 9158.7 | 9684.5  | 9625.9  | 9167.7  | 8813.4  |
| 27.5° | 6425.5 | 6468.4 | 6743.7 | 7328.3 | 8181.4 | 9203.8 | 10027.6 | 10056.9 | 9517.5  | 9054.9  |
| 30°   | 6168.2 | 6208.8 | 6502.2 | 7122.9 | 7960.2 | 9158.7 | 10327.8 | 10530.9 | 9874.1  | 9264.7  |
| 32.5° | 5886.1 | 5938.0 | 6247.2 | 6872.4 | 7698.4 | 9050.3 | 10589.6 | 11043.2 | 10287.1 | 9490.4  |
| 35°   | 5529.5 | 5576.9 | 5901.9 | 6529.3 | 7355.4 | 8876.6 | 10808.5 | 11612.0 | 10878.5 | 9833.5  |
| 37.5° | 5096.2 | 5141.3 | 5464.1 | 6100.5 | 7014.6 | 8632.8 | 10975.5 | 12252.9 | 11582.6 | 10327.8 |
| 40°   | 4660.6 | 4703.5 | 5005.9 | 5622.0 | 6606.1 | 8321.3 | 11034.2 | 12880.4 | 12390.6 | 11007.1 |
| 42.5° | 4261.1 | 4299.5 | 4577.1 | 5150.3 | 6147.9 | 7924.1 | 10957.5 | 13426.5 | 13115.1 | 11481.1 |
| 45°   | 3893.2 | 3927.1 | 4173.1 | 4708.0 | 5671.7 | 7441.1 | 10727.2 | 14013.4 | 13977.2 | 11819.6 |
| 47.5° | 3473.4 | 3507.3 | 3762.3 | 4279.2 | 5195.5 | 6874.6 | 10336.8 | 14591.1 | 15175.7 | 12587.0 |
| 50°   | 2961.1 | 2990.4 | 3252.3 | 3784.9 | 4701.2 | 6272.0 | 9795.1  | 15044.8 | 16687.8 | 13749.3 |
| 52.5° | 2354.0 | 2385.6 | 2640.6 | 3173.3 | 4114.4 | 5624.3 | 9081.9  | 15340.4 | 18434.7 | 15446.5 |
| 55°   | 1751.4 | 1774.0 | 1995.1 | 2473.6 | 3387.7 | 4886.3 | 8188.2  | 15423.9 | 20416.3 | 17766.6 |
| 57.5° | 1270.7 | 1284.2 | 1426.4 | 1783.0 | 2568.4 | 3963.2 | 7102.6  | 15207.3 | 22774.8 | 20741.3 |
| 60°   | 1029.2 | 1033.7 | 1076.6 | 1234.5 | 1785.2 | 2920.5 | 5791.3  | 14462.5 | 25334.2 | 24575.8 |
| 62.5° | 934.4  | 934.4  | 945.7  | 988.5  | 1207.5 | 1927.4 | 4204.7  | 12918.7 | 28078.6 | 29421.5 |
| 65°   | 868.9  | 868.9  | 873.4  | 893.7  | 952.4  | 1227.8 | 2654.2  | 10404.5 | 30392.0 | 35097.7 |
| 67.5° | 810.2  | 812.5  | 810.2  | 817.0  | 850.9  | 907.3  | 1539.2  | 7186.1  | 31637.8 | 40979.3 |
| 70°   | 749.3  | 753.8  | 742.5  | 742.5  | 769.6  | 771.9  | 963.7   | 3940.6  | 30604.1 | 45908.5 |
| 72.5° | 677.1  | 683.9  | 665.8  | 661.3  | 681.6  | 672.6  | 724.5   | 1891.3  | 26275.3 | 47380.0 |
| 75°   | 613.9  | 622.9  | 582.3  | 571.0  | 571.0  | 564.2  | 589.1   | 970.5   | 17053.5 | 38650.1 |
| 77.5° | 557.5  | 575.5  | 510.1  | 474.0  | 464.9  | 444.6  | 480.7   | 593.6   | 7459.2  | 18145.8 |
| 80°   | 460.4  | 485.2  | 419.8  | 376.9  | 361.1  | 338.5  | 379.2   | 415.3   | 2218.6  | 4213.7  |
| 82.5° | 343.1  | 354.3  | 297.9  | 268.6  | 255.0  | 239.2  | 284.4   | 288.9   | 722.2   | 1491.8  |
| 85°   | 218.9  | 223.4  | 182.8  | 158.0  | 151.2  | 144.4  | 180.6   | 158.0   | 275.3   | 1096.9  |
| 87.5° | 76.7   | 88.0   | 70.0   | 63.2   | 67.7   | 56.4   | 83.5    | 47.4    | 76.7    | 774.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

7935.4  
7939.9  
7991.8  
8046.0  
8066.3  
8084.4  
8129.5  
8228.8  
8380.0  
8542.5  
8741.1  
8978.1  
9154.2  
9350.5  
9677.8  
10120.1  
10785.9  
11196.7  
11435.9  
12144.6  
13194.1  
14762.7  
16911.3  
19664.7  
23219.4  
27604.7  
32800.1  
38498.9  
45256.2  
49095.3  
41340.4  
17768.9  
4035.4  
1685.9  
1593.4  
959.2  
0.0

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