

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: P942703

Luminaire Tested: **GLAN-SB6D-830-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942703  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 54853 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

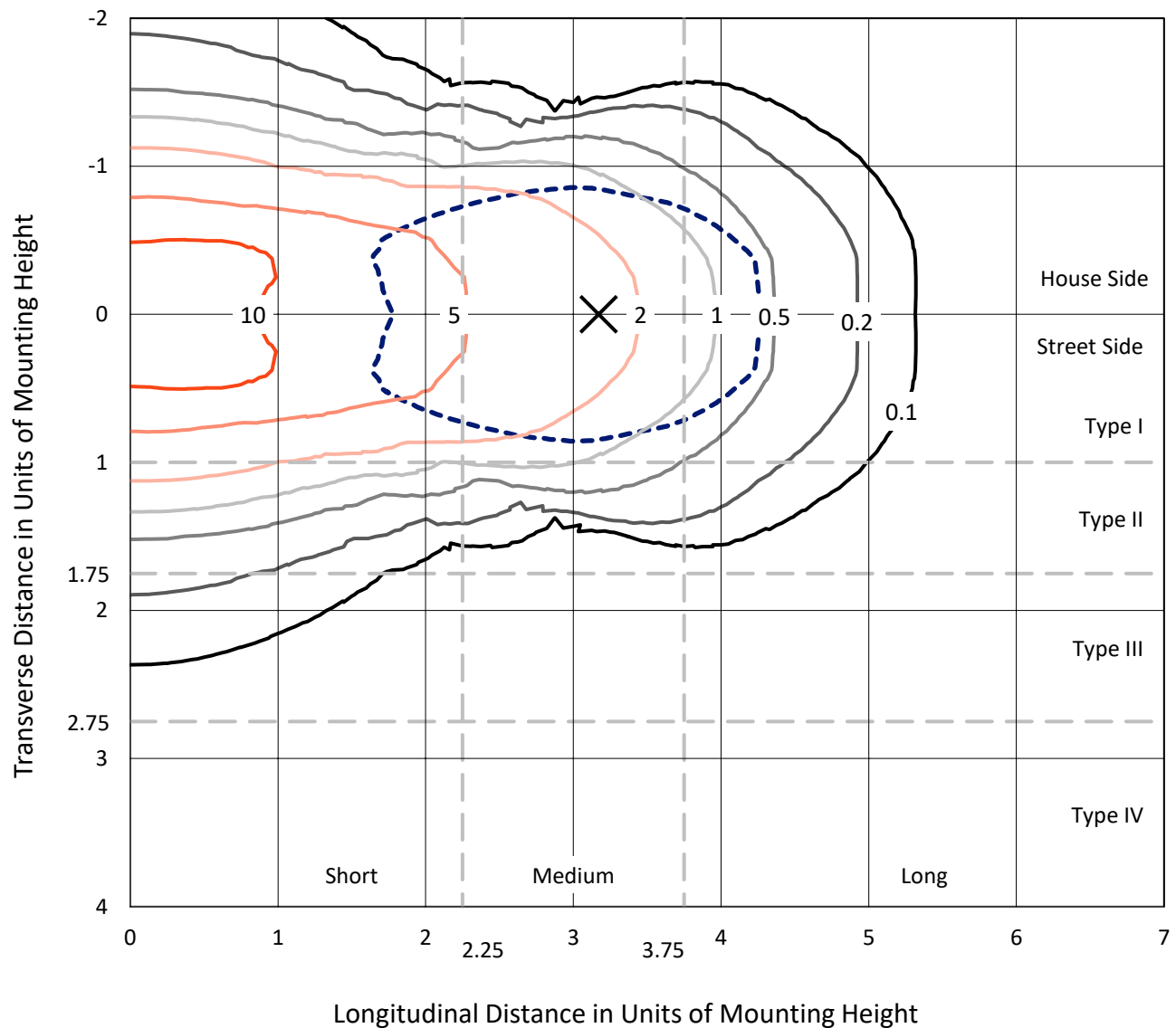


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## Iso-Footcandle Lines of Horizontal Illumination

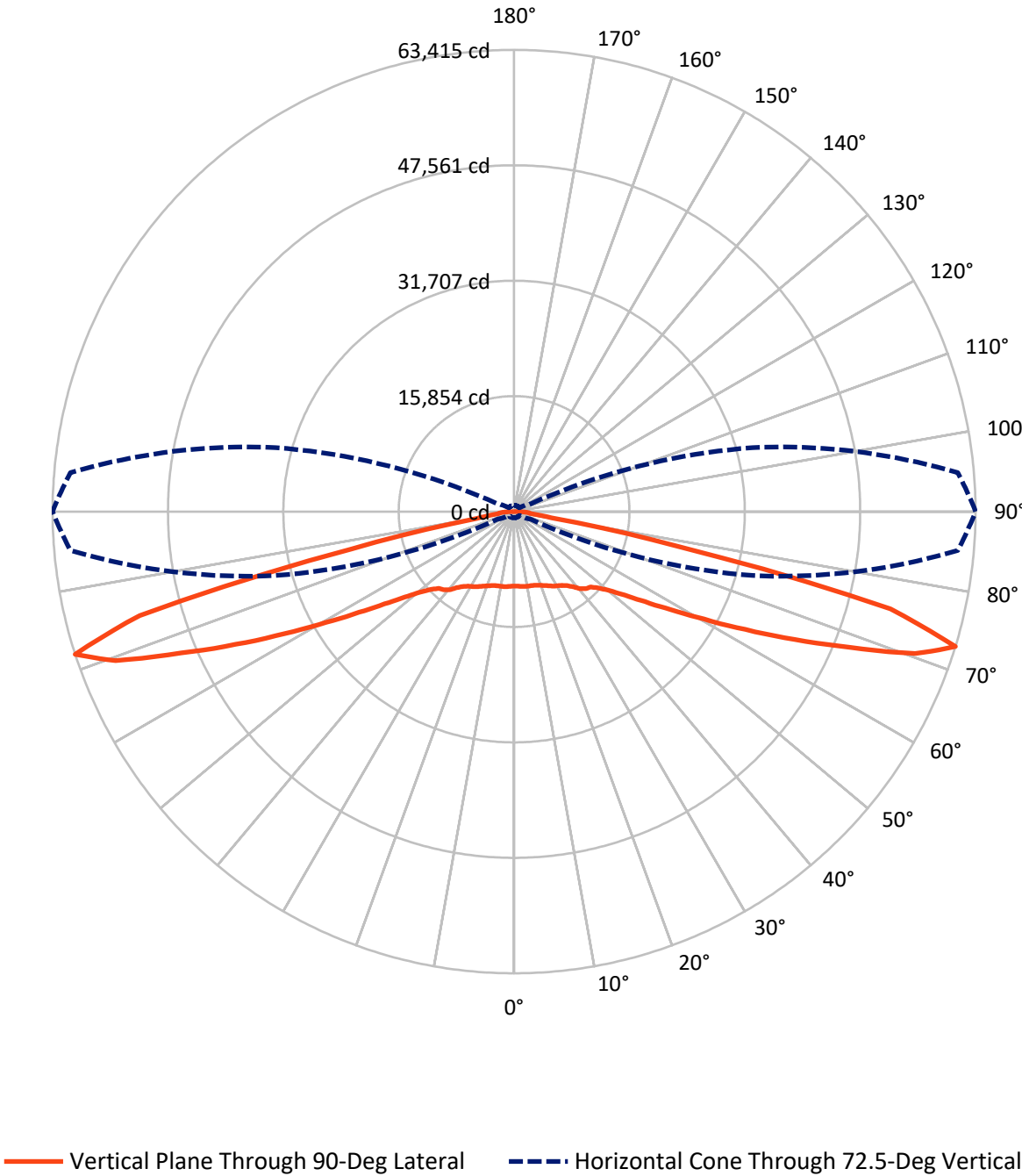
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc  
Type I - Short - N/A

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Luminous Intensity Polar Plot



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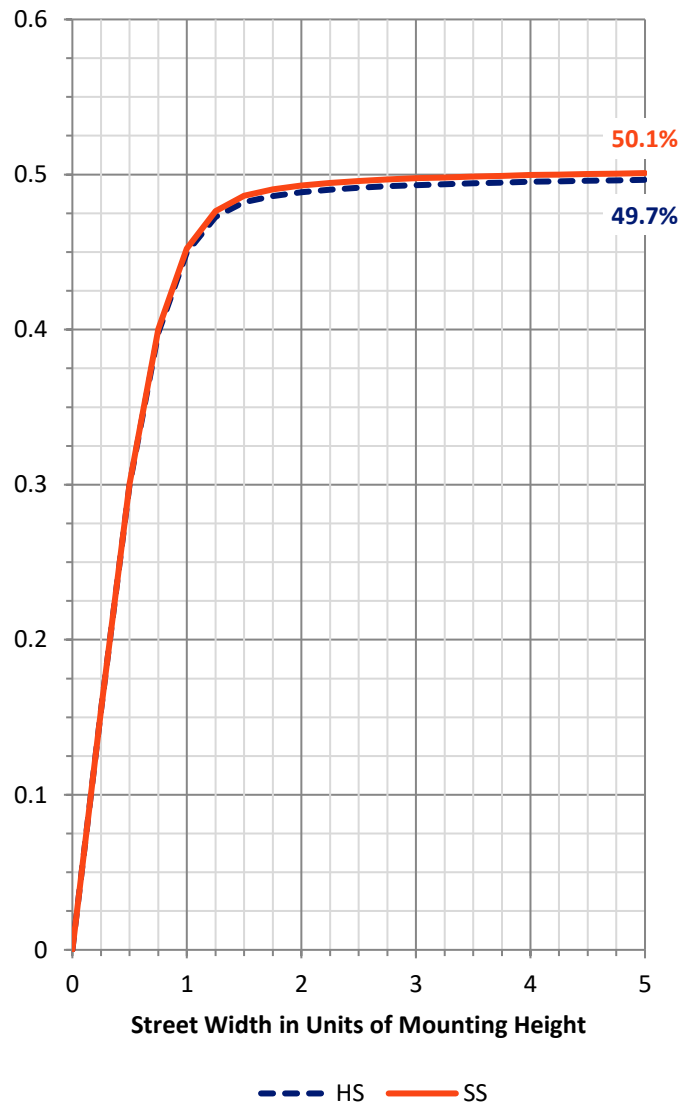
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 27426.5  | 0.0    | 27426.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 27426.5  | 0.0    | 27426.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 54853.0  | 0.0    | 54853.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 993.8   | 1.8       |
| 10°-20°   | 3038.8  | 5.5       |
| 20°-30°   | 5066.9  | 9.2       |
| 30°-40°   | 6968.6  | 12.7      |
| 40°-50°   | 8510.5  | 15.5      |
| 50°-60°   | 9843.3  | 17.9      |
| 60°-70°   | 11736.6 | 21.4      |
| 70°-80°   | 8191.3  | 14.9      |
| 80°-90°   | 503.1   | 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°    | 54853.0 | 100.0     |
| 0°-180°   | 54853.0 | 100.0     |

**Coefficient of Utilization**



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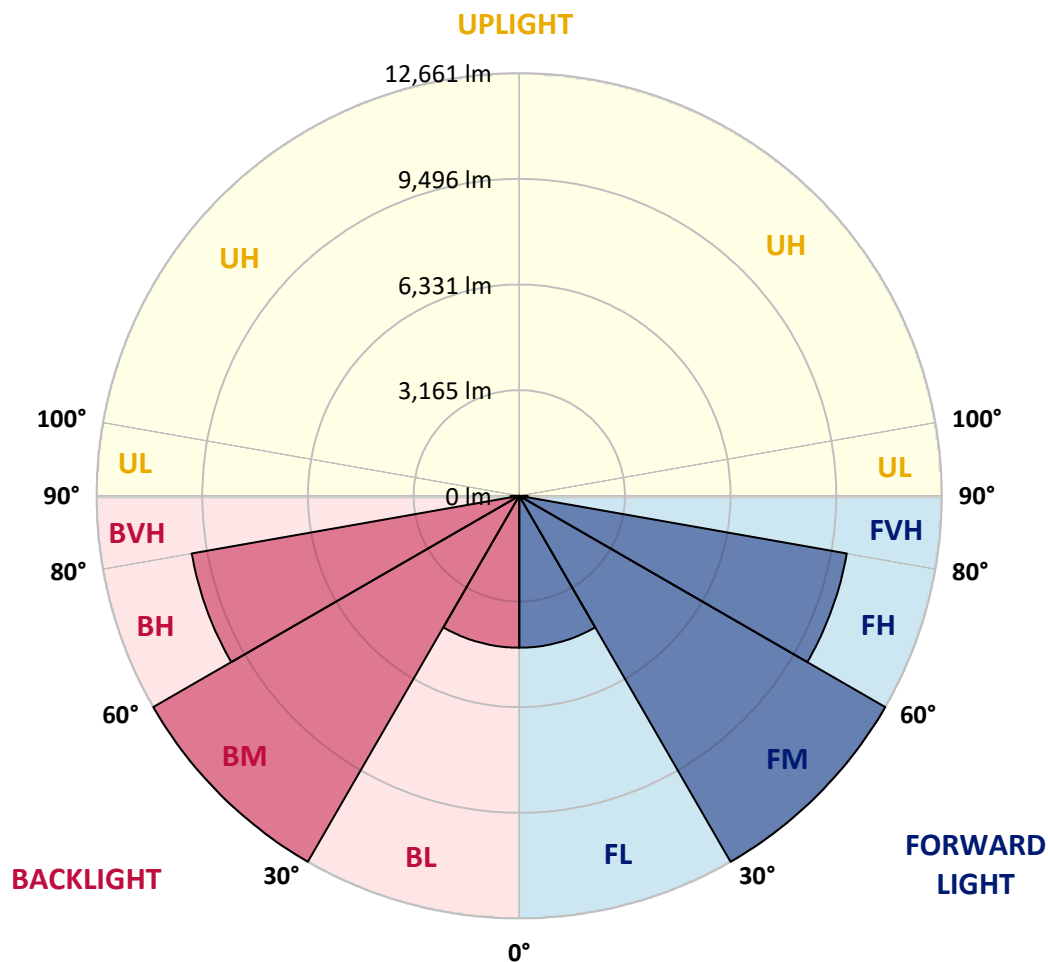
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4549.8  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 12661.2 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 9964.0  | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 251.6   | 0.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 4549.8  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 12661.2 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 9964.0  | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 251.6   | 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°    | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 | 10249.9 |
| 2.5°  | 10258.6 | 10270.3 | 10270.3 | 10261.5 | 10281.9 | 10264.4 | 10264.4 | 10255.7 | 10264.4 | 10255.7 |
| 5°    | 10311.1 | 10325.7 | 10331.5 | 10328.6 | 10354.8 | 10340.2 | 10340.2 | 10328.6 | 10331.5 | 10322.7 |
| 7.5°  | 10410.2 | 10430.6 | 10442.3 | 10456.8 | 10494.7 | 10477.2 | 10465.6 | 10430.6 | 10416.0 | 10392.7 |
| 10°   | 10442.3 | 10465.6 | 10503.5 | 10579.3 | 10666.7 | 10669.7 | 10634.7 | 10547.2 | 10480.2 | 10427.7 |
| 12.5° | 10343.1 | 10375.2 | 10453.9 | 10608.4 | 10803.8 | 10882.5 | 10827.1 | 10681.3 | 10550.1 | 10456.8 |
| 15°   | 10217.8 | 10252.8 | 10372.3 | 10605.5 | 10894.1 | 11077.8 | 11071.9 | 10879.5 | 10669.7 | 10523.9 |
| 17.5° | 10022.5 | 10057.5 | 10229.5 | 10556.0 | 10964.1 | 11267.3 | 11348.9 | 11150.7 | 10856.2 | 10660.9 |
| 20°   | 9669.7  | 9701.8  | 9940.9  | 10398.5 | 10987.4 | 11468.4 | 11681.2 | 11506.3 | 11139.0 | 10873.7 |
| 22.5° | 9212.0  | 9261.6  | 9541.5  | 10127.4 | 10932.0 | 11678.3 | 12060.2 | 11940.7 | 11468.4 | 11101.1 |
| 25°   | 8722.3  | 8774.8  | 9101.3  | 9795.1  | 10789.2 | 11829.9 | 12509.1 | 12433.4 | 11841.6 | 11383.9 |
| 27.5° | 8299.6  | 8355.0  | 8710.6  | 9465.7  | 10567.6 | 11888.2 | 12952.3 | 12990.2 | 12293.4 | 11695.8 |
| 30°   | 7967.3  | 8019.7  | 8398.7  | 9200.4  | 10281.9 | 11829.9 | 13340.0 | 13602.3 | 12754.0 | 11966.9 |
| 32.5° | 7602.9  | 7669.9  | 8069.3  | 8876.8  | 9943.8  | 11690.0 | 13678.1 | 14264.1 | 13287.5 | 12258.4 |
| 35°   | 7142.3  | 7203.5  | 7623.3  | 8433.7  | 9500.7  | 11465.5 | 13960.9 | 14998.7 | 14051.3 | 12701.5 |
| 37.5° | 6582.5  | 6640.8  | 7057.7  | 7879.8  | 9060.5  | 11150.7 | 14176.6 | 15826.6 | 14960.8 | 13340.0 |
| 40°   | 6019.9  | 6075.3  | 6465.9  | 7261.8  | 8532.8  | 10748.4 | 14252.4 | 16637.1 | 16004.5 | 14217.5 |
| 42.5° | 5503.9  | 5553.5  | 5912.0  | 6652.5  | 7941.0  | 10235.3 | 14153.3 | 17342.6 | 16940.3 | 14829.6 |
| 45°   | 5028.7  | 5072.5  | 5390.2  | 6081.1  | 7325.9  | 9611.4  | 13856.0 | 18100.5 | 18053.9 | 15266.9 |
| 47.5° | 4486.5  | 4530.2  | 4859.6  | 5527.2  | 6710.8  | 8879.7  | 13351.6 | 18846.8 | 19601.8 | 16258.1 |
| 50°   | 3824.7  | 3862.6  | 4200.8  | 4888.8  | 6072.4  | 8101.4  | 12652.0 | 19432.8 | 21555.0 | 17759.4 |
| 52.5° | 3040.6  | 3081.4  | 3410.8  | 4098.8  | 5314.4  | 7264.7  | 11730.8 | 19814.7 | 23811.4 | 19951.7 |
| 55°   | 2262.2  | 2291.4  | 2577.0  | 3195.1  | 4375.7  | 6311.4  | 10576.4 | 19922.5 | 26370.9 | 22948.5 |
| 57.5° | 1641.3  | 1658.8  | 1842.4  | 2303.0  | 3317.5  | 5119.1  | 9174.2  | 19642.7 | 29417.3 | 26790.7 |
| 60°   | 1329.3  | 1335.2  | 1390.6  | 1594.6  | 2305.9  | 3772.3  | 7480.4  | 18680.6 | 32723.2 | 31743.7 |
| 62.5° | 1206.9  | 1206.9  | 1221.5  | 1276.9  | 1559.6  | 2489.6  | 5431.0  | 16686.6 | 36268.1 | 38002.6 |
| 65°   | 1122.4  | 1122.4  | 1128.2  | 1154.4  | 1230.2  | 1585.9  | 3428.3  | 13439.1 | 39256.2 | 45334.4 |
| 67.5° | 1046.6  | 1049.5  | 1046.6  | 1055.3  | 1099.0  | 1171.9  | 1988.2  | 9282.0  | 40865.3 | 52931.4 |
| 70°   | 967.8   | 973.7   | 959.1   | 959.1   | 994.1   | 997.0   | 1244.8  | 5089.9  | 39530.2 | 59298.2 |
| 72.5° | 874.6   | 883.3   | 860.0   | 854.2   | 880.4   | 868.7   | 935.8   | 2442.9  | 33938.8 | 61198.9 |
| 75°   | 792.9   | 804.6   | 752.1   | 737.5   | 737.5   | 728.8   | 760.9   | 1253.5  | 22027.3 | 49922.9 |
| 77.5° | 720.1   | 743.4   | 658.8   | 612.2   | 600.5   | 574.3   | 620.9   | 766.7   | 9634.8  | 23438.3 |
| 80°   | 594.7   | 626.8   | 542.2   | 486.8   | 466.4   | 437.3   | 489.8   | 536.4   | 2865.6  | 5442.7  |
| 82.5° | 443.1   | 457.7   | 384.8   | 346.9   | 329.4   | 309.0   | 367.3   | 373.1   | 932.9   | 1927.0  |
| 85°   | 282.8   | 288.6   | 236.1   | 204.1   | 195.3   | 186.6   | 233.2   | 204.1   | 355.7   | 1416.8  |
| 87.5° | 99.1    | 113.7   | 90.4    | 81.6    | 87.5    | 72.9    | 107.9   | 61.2    | 99.1    | 999.9   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

10249.9  
10255.7  
10322.7  
10392.7  
10418.9  
10442.3  
10500.6  
10628.8  
10824.2  
11034.1  
11290.6  
11596.7  
11824.1  
12077.7  
12500.4  
13071.8  
13931.8  
14462.3  
14771.3  
15686.7  
17042.3  
19068.4  
21843.6  
25400.2  
29991.6  
35655.9  
42366.7  
49727.6  
58455.7  
63414.5  
53397.8  
22951.4  
5212.4  
2177.7  
2058.1  
1239.0  
0.0

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