

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: P942383

Luminaire Tested: **GLAN-SB6B-840-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942383  
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-SB6B-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32312 lumens  
Efficiency: N/A  
Efficacy: 146.6 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): 220.4  
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



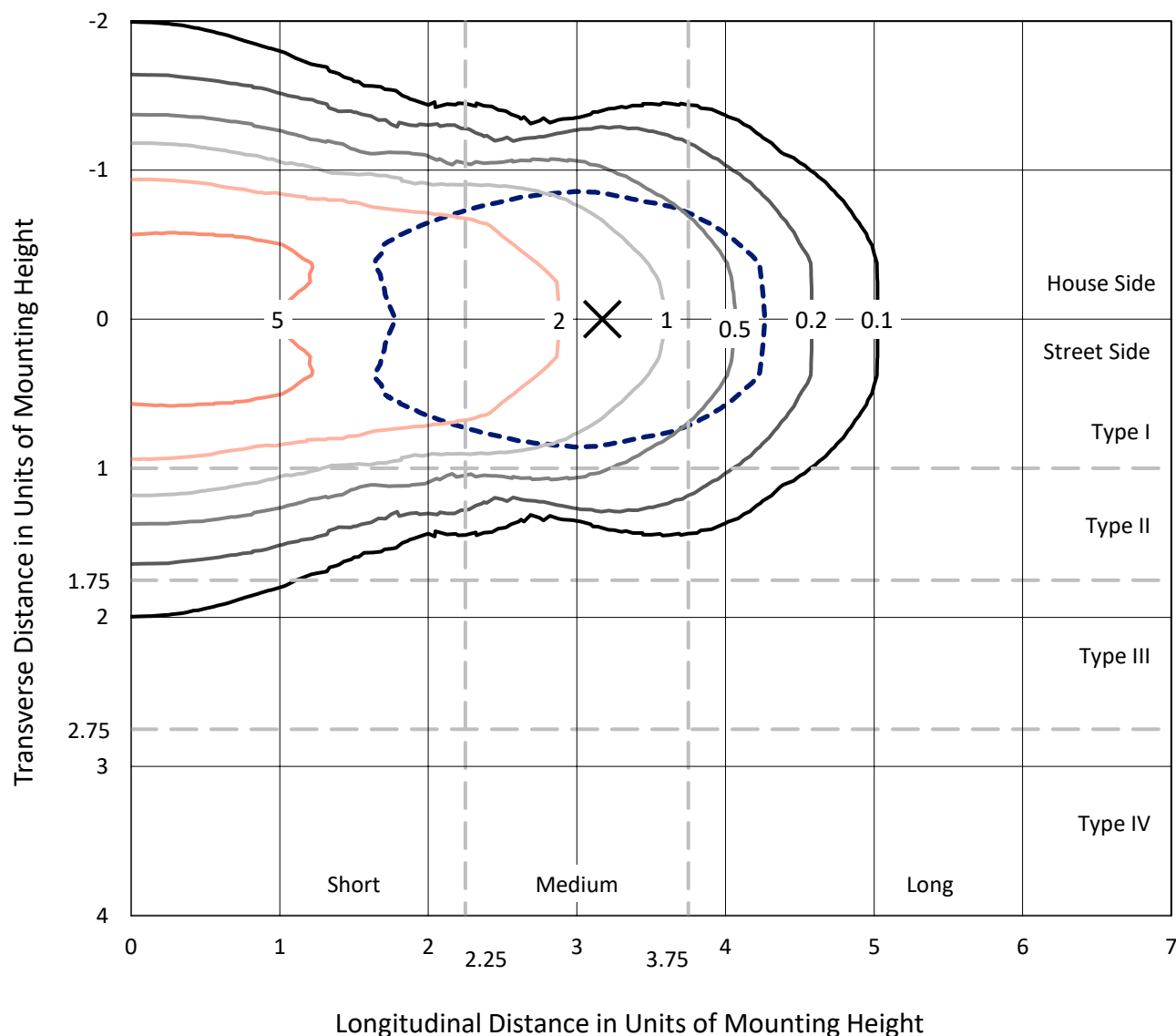
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

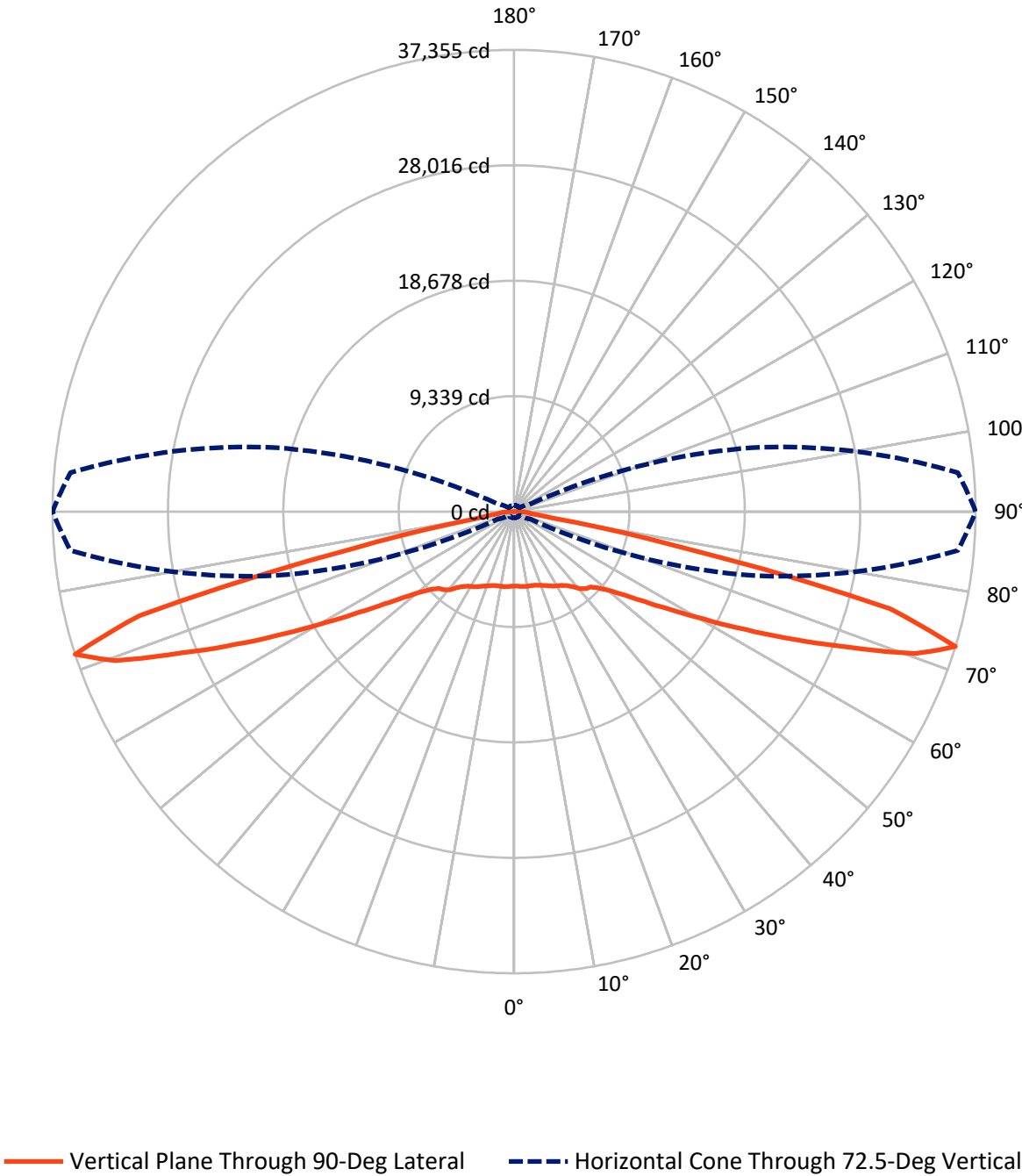


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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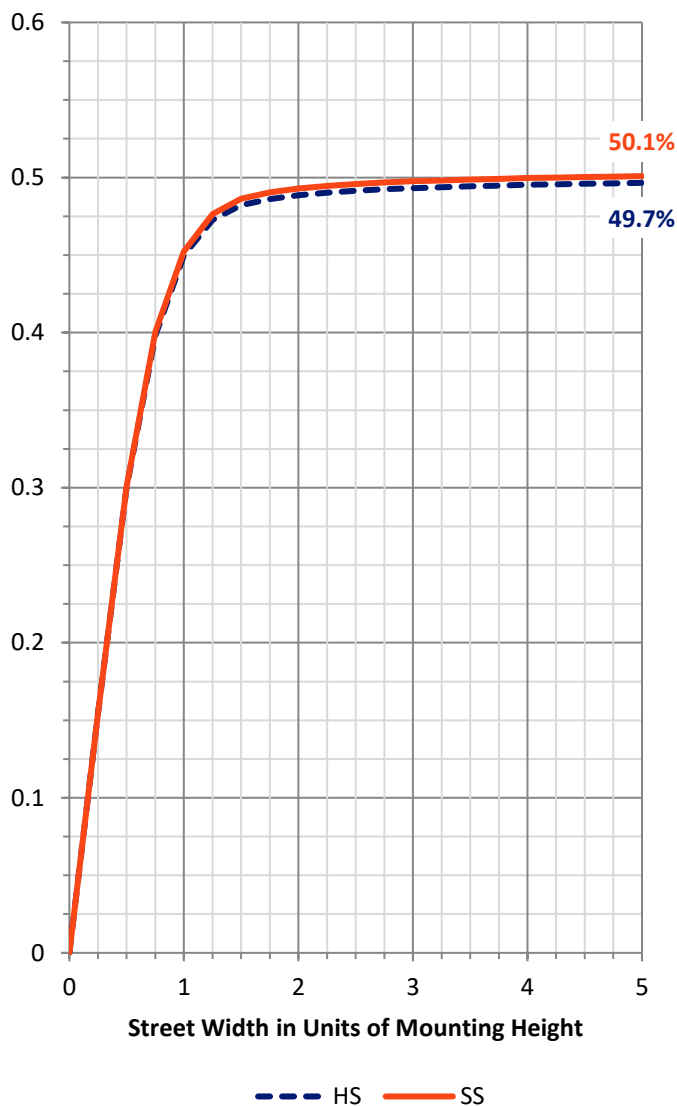
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16156.0  | 0.0    | 16156.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16156.0  | 0.0    | 16156.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32312.0  | 0.0    | 32312.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 585.4   | 1.8       |
| 10°-20°   | 1790.0  | 5.5       |
| 20°-30°   | 2984.7  | 9.2       |
| 30°-40°   | 4104.9  | 12.7      |
| 40°-50°   | 5013.3  | 15.5      |
| 50°-60°   | 5798.4  | 17.9      |
| 60°-70°   | 6913.6  | 21.4      |
| 70°-80°   | 4825.2  | 14.9      |
| 80°-90°   | 296.4   | 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°    | 32312.0 | 100.0     |
| 0°-180°   | 32312.0 | 100.0     |

**Coefficient of Utilization**



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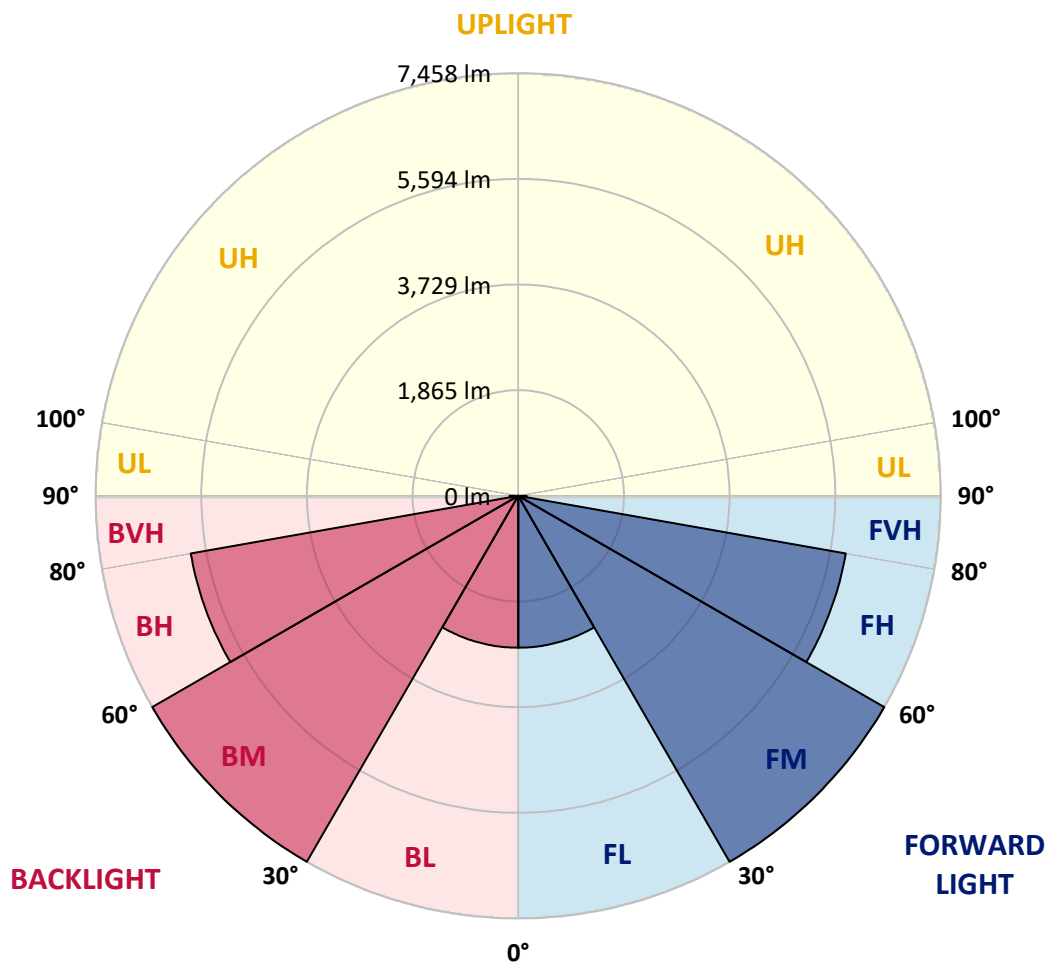
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2680.1 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 7458.3 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 5869.4 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 148.2  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2680.1 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7458.3 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5869.4 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 148.2  | 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°    | 6037.8 | 6037.8 | 6037.8 | 6037.8 | 6037.8 | 6037.8 | 6037.8 | 6037.8  | 6037.8  | 6037.8  |
| 2.5°  | 6043.0 | 6049.9 | 6049.9 | 6044.7 | 6056.7 | 6046.4 | 6046.4 | 6041.3  | 6046.4  | 6041.3  |
| 5°    | 6073.9 | 6082.5 | 6085.9 | 6084.2 | 6099.7 | 6091.1 | 6091.1 | 6084.2  | 6085.9  | 6080.8  |
| 7.5°  | 6132.3 | 6144.3 | 6151.2 | 6159.8 | 6182.1 | 6171.8 | 6164.9 | 6144.3  | 6135.7  | 6122.0  |
| 10°   | 6151.2 | 6164.9 | 6187.2 | 6231.9 | 6283.4 | 6285.1 | 6264.5 | 6213.0  | 6173.5  | 6142.6  |
| 12.5° | 6092.8 | 6111.7 | 6158.0 | 6249.1 | 6364.1 | 6410.5 | 6377.9 | 6292.0  | 6214.7  | 6159.8  |
| 15°   | 6018.9 | 6039.6 | 6110.0 | 6247.3 | 6417.3 | 6525.5 | 6522.1 | 6408.8  | 6285.1  | 6199.3  |
| 17.5° | 5903.9 | 5924.5 | 6025.8 | 6218.1 | 6458.6 | 6637.2 | 6685.2 | 6568.5  | 6395.0  | 6280.0  |
| 20°   | 5696.1 | 5715.0 | 5855.8 | 6125.4 | 6472.3 | 6755.6 | 6881.0 | 6778.0  | 6561.6  | 6405.3  |
| 22.5° | 5426.5 | 5455.7 | 5620.5 | 5965.7 | 6439.7 | 6879.3 | 7104.2 | 7033.8  | 6755.6  | 6539.3  |
| 25°   | 5138.0 | 5168.9 | 5361.2 | 5769.9 | 6355.5 | 6968.6 | 7368.7 | 7324.1  | 6975.5  | 6705.8  |
| 27.5° | 4889.0 | 4921.6 | 5131.1 | 5575.9 | 6225.0 | 7002.9 | 7629.7 | 7652.0  | 7241.6  | 6889.6  |
| 30°   | 4693.2 | 4724.1 | 4947.4 | 5419.6 | 6056.7 | 6968.6 | 7858.1 | 8012.7  | 7513.0  | 7049.3  |
| 32.5° | 4478.6 | 4518.1 | 4753.3 | 5229.0 | 5857.5 | 6886.2 | 8057.3 | 8402.5  | 7827.2  | 7221.0  |
| 35°   | 4207.3 | 4243.3 | 4490.6 | 4968.0 | 5596.5 | 6753.9 | 8223.9 | 8835.2  | 8277.1  | 7482.0  |
| 37.5° | 3877.5 | 3911.9 | 4157.5 | 4641.7 | 5337.2 | 6568.5 | 8351.0 | 9322.9  | 8812.9  | 7858.1  |
| 40°   | 3546.1 | 3578.7 | 3808.9 | 4277.7 | 5026.4 | 6331.5 | 8395.6 | 9800.3  | 9427.7  | 8375.0  |
| 42.5° | 3242.2 | 3271.4 | 3482.6 | 3918.8 | 4677.8 | 6029.3 | 8337.2 | 10215.9 | 9978.9  | 8735.6  |
| 45°   | 2962.3 | 2988.0 | 3175.2 | 3582.2 | 4315.4 | 5661.8 | 8162.1 | 10662.4 | 10634.9 | 8993.2  |
| 47.5° | 2642.8 | 2668.6 | 2862.6 | 3255.9 | 3953.1 | 5230.7 | 7865.0 | 11102.0 | 11546.8 | 9577.1  |
| 50°   | 2253.0 | 2275.4 | 2474.6 | 2879.8 | 3577.0 | 4772.2 | 7452.8 | 11447.2 | 12697.3 | 10461.5 |
| 52.5° | 1791.1 | 1815.1 | 2009.2 | 2414.4 | 3130.5 | 4279.4 | 6910.2 | 11672.1 | 14026.5 | 11752.8 |
| 55°   | 1332.6 | 1349.8 | 1518.0 | 1882.1 | 2577.6 | 3717.8 | 6230.2 | 11735.7 | 15534.2 | 13518.2 |
| 57.5° | 966.8  | 977.1  | 1085.3 | 1356.6 | 1954.2 | 3015.5 | 5404.2 | 11570.8 | 17328.7 | 15781.5 |
| 60°   | 783.1  | 786.5  | 819.1  | 939.3  | 1358.3 | 2222.1 | 4406.5 | 11004.1 | 19276.1 | 18699.1 |
| 62.5° | 710.9  | 710.9  | 719.5  | 752.2  | 918.7  | 1466.5 | 3199.2 | 9829.5  | 21364.3 | 22386.0 |
| 65°   | 661.1  | 661.1  | 664.6  | 680.0  | 724.7  | 934.2  | 2019.5 | 7916.5  | 23124.4 | 26704.9 |
| 67.5° | 616.5  | 618.2  | 616.5  | 621.6  | 647.4  | 690.3  | 1171.2 | 5467.7  | 24072.4 | 31180.0 |
| 70°   | 570.1  | 573.6  | 565.0  | 565.0  | 585.6  | 587.3  | 733.3  | 2998.3  | 23285.9 | 34930.5 |
| 72.5° | 515.2  | 520.3  | 506.6  | 503.2  | 518.6  | 511.7  | 551.2  | 1439.1  | 19992.2 | 36050.2 |
| 75°   | 467.1  | 474.0  | 443.0  | 434.5  | 434.5  | 429.3  | 448.2  | 738.4   | 12975.5 | 29407.8 |
| 77.5° | 424.2  | 437.9  | 388.1  | 360.6  | 353.8  | 338.3  | 365.8  | 451.6   | 5675.5  | 13806.7 |
| 80°   | 350.3  | 369.2  | 319.4  | 286.8  | 274.8  | 257.6  | 288.5  | 316.0   | 1688.1  | 3206.1  |
| 82.5° | 261.0  | 269.6  | 226.7  | 204.4  | 194.0  | 182.0  | 216.4  | 219.8   | 549.5   | 1135.1  |
| 85°   | 166.6  | 170.0  | 139.1  | 120.2  | 115.1  | 109.9  | 137.4  | 120.2   | 209.5   | 834.6   |
| 87.5° | 58.4   | 67.0   | 53.2   | 48.1   | 51.5   | 42.9   | 63.5   | 36.1    | 58.4    | 589.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END C

90°

6037.8  
6041.3  
6080.8  
6122.0  
6137.4  
6151.2  
6185.5  
6261.1  
6376.1  
6499.8  
6650.9  
6831.2  
6965.2  
7114.6  
7363.6  
7700.1  
8206.7  
8519.3  
8701.3  
9240.5  
10039.0  
11232.5  
12867.3  
14962.4  
17667.0  
21003.6  
24956.7  
29292.8  
34434.2  
37355.3  
31454.8  
13519.9  
3070.4  
1282.8  
1212.4  
729.8  
0.0

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