

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: P943083

Luminaire Tested: **GLAN-SB7B-927-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943083  
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-SB7B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24114 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 256.7  
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



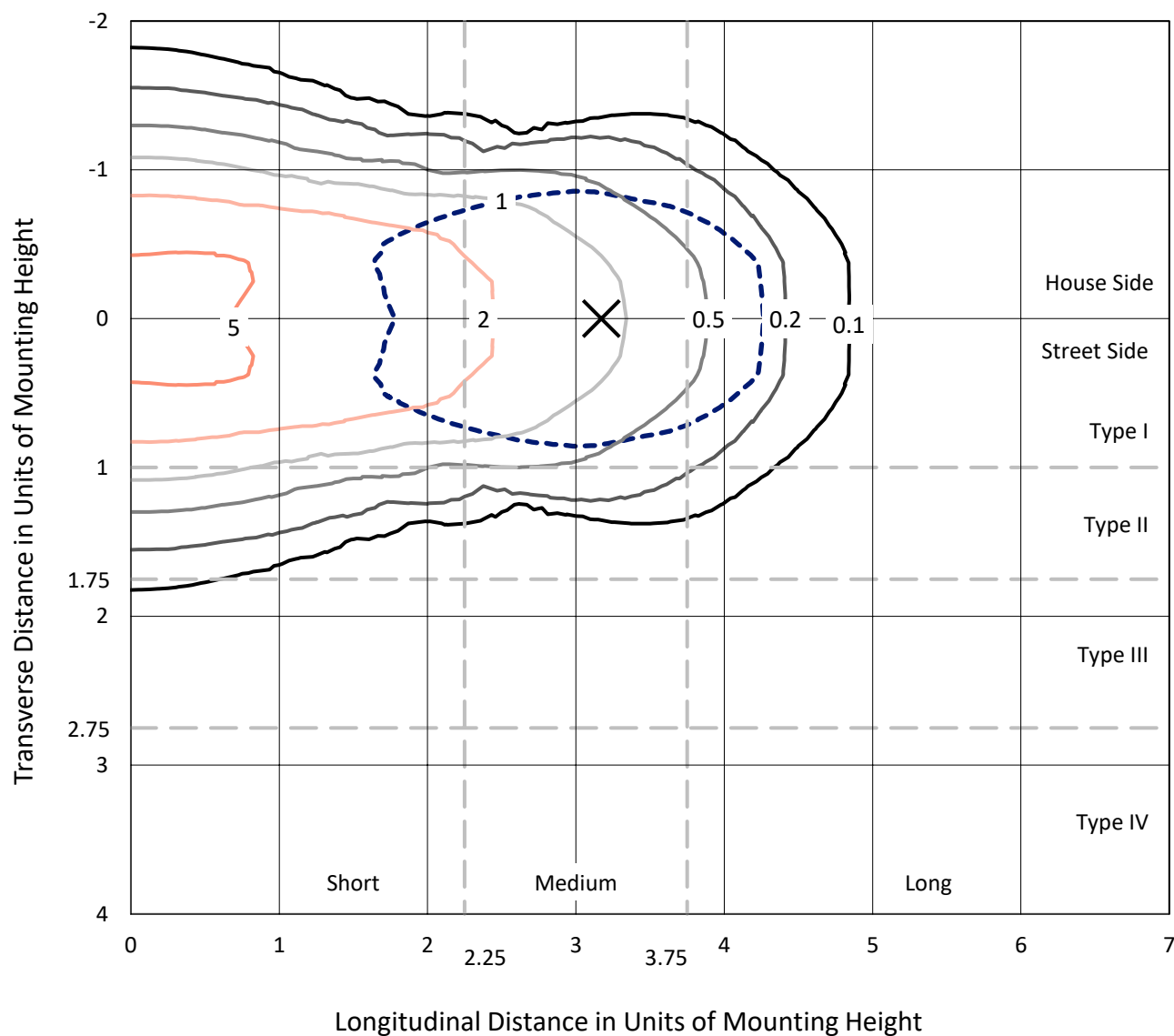
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

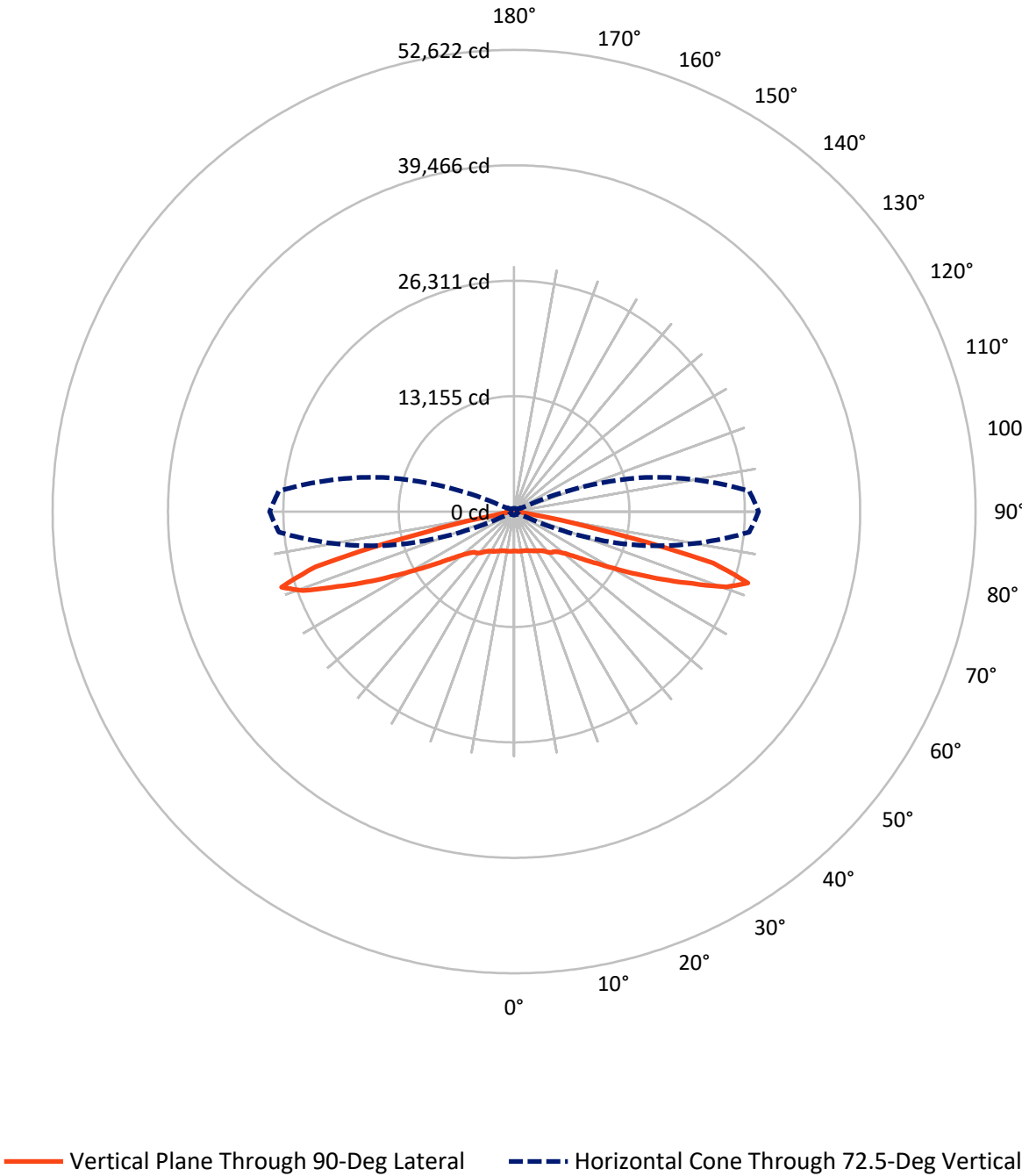


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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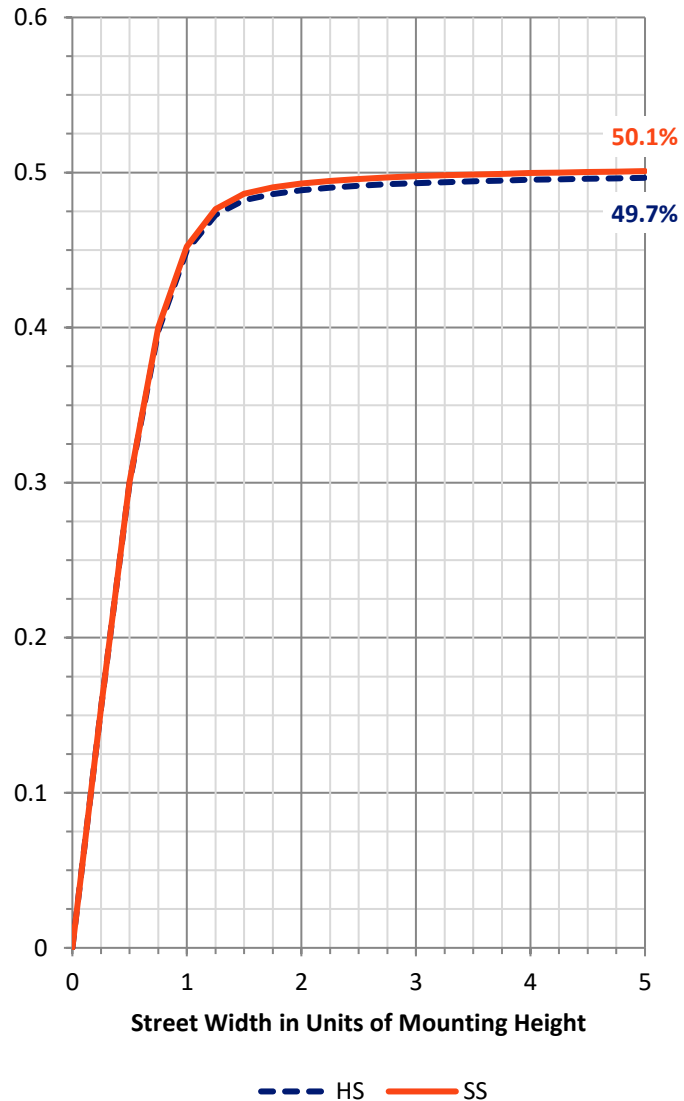
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12057.0  | 0.0    | 12057.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12057.0  | 0.0    | 12057.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 24114.0  | 0.0    | 24114.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 436.9   | 1.8       |
| 10°-20°   | 1335.9  | 5.5       |
| 20°-30°   | 2227.5  | 9.2       |
| 30°-40°   | 3063.5  | 12.7      |
| 40°-50°   | 3741.3  | 15.5      |
| 50°-60°   | 4327.2  | 17.9      |
| 60°-70°   | 5159.5  | 21.4      |
| 70°-80°   | 3601.0  | 14.9      |
| 80°-90°   | 221.2   | 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°    | 24114.0 | 100.0     |
| 0°-180°   | 24114.0 | 100.0     |

**Coefficient of Utilization**



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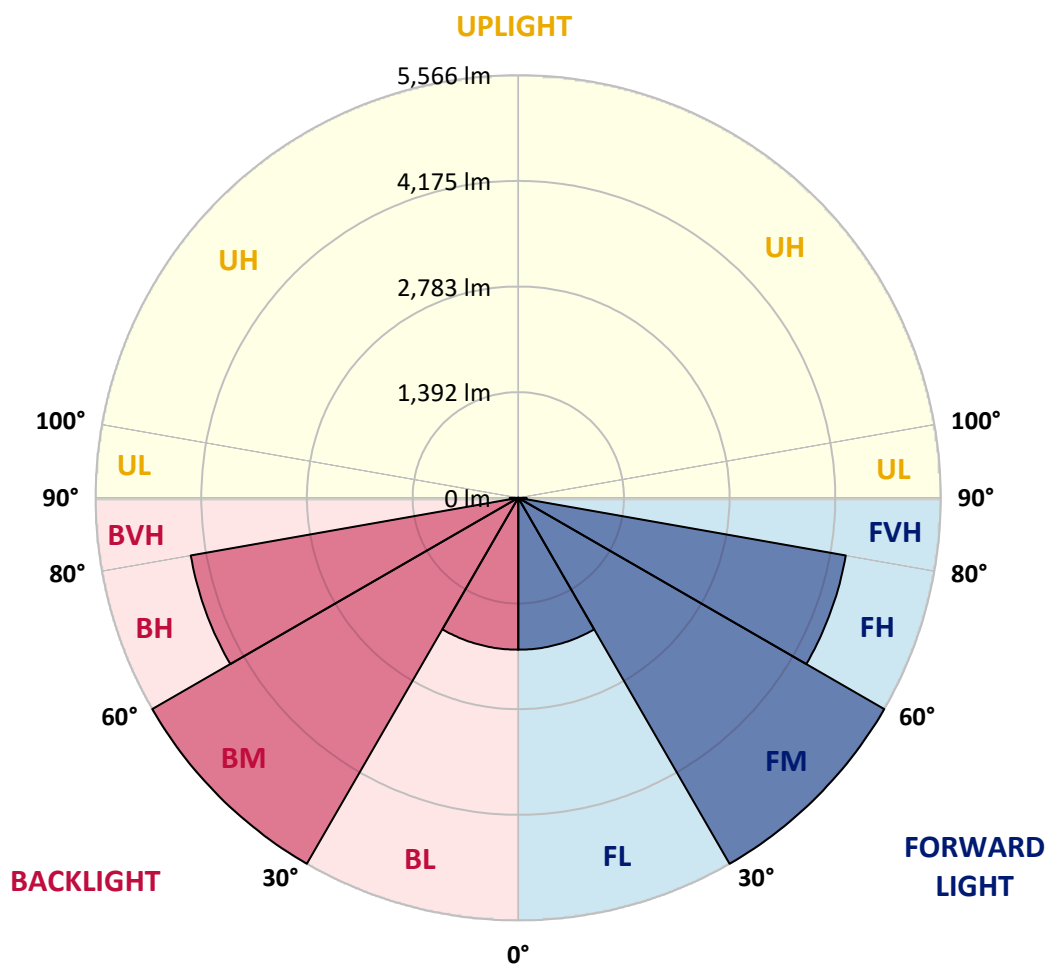
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2000.1 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 5566.0 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 4380.3 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 110.6  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2000.1 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5566.0 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4380.3 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 110.6  | 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°    | 4506.0 | 4506.0 | 4506.0 | 4506.0 | 4506.0 | 4506.0 | 4506.0 | 4506.0 | 4506.0  | 4506.0  |
| 2.5°  | 4509.8 | 4514.9 | 4514.9 | 4511.1 | 4520.1 | 4512.4 | 4512.4 | 4508.5 | 4512.4  | 4508.5  |
| 5°    | 4532.9 | 4539.3 | 4541.8 | 4540.6 | 4552.1 | 4545.7 | 4545.7 | 4540.6 | 4541.8  | 4538.0  |
| 7.5°  | 4576.4 | 4585.4 | 4590.5 | 4596.9 | 4613.6 | 4605.9 | 4600.8 | 4585.4 | 4579.0  | 4568.8  |
| 10°   | 4590.5 | 4600.8 | 4617.5 | 4650.8 | 4689.2 | 4690.5 | 4675.1 | 4636.7 | 4607.2  | 4584.1  |
| 12.5° | 4547.0 | 4561.1 | 4595.7 | 4663.6 | 4749.5 | 4784.1 | 4759.7 | 4695.6 | 4638.0  | 4596.9  |
| 15°   | 4491.9 | 4507.2 | 4559.8 | 4662.3 | 4789.2 | 4869.9 | 4867.4 | 4782.8 | 4690.5  | 4626.4  |
| 17.5° | 4406.0 | 4421.4 | 4497.0 | 4640.5 | 4819.9 | 4953.2 | 4989.1 | 4902.0 | 4772.5  | 4686.7  |
| 20°   | 4250.9 | 4265.0 | 4370.1 | 4571.3 | 4830.2 | 5041.6 | 5135.2 | 5058.3 | 4896.8  | 4780.2  |
| 22.5° | 4049.7 | 4071.5 | 4194.5 | 4452.1 | 4805.8 | 5133.9 | 5301.8 | 5249.3 | 5041.6  | 4880.2  |
| 25°   | 3834.4 | 3857.5 | 4001.0 | 4306.0 | 4743.0 | 5200.6 | 5499.2 | 5465.8 | 5205.7  | 5004.5  |
| 27.5° | 3648.6 | 3672.9 | 3829.3 | 4161.2 | 4645.6 | 5226.2 | 5694.0 | 5710.6 | 5404.3  | 5141.6  |
| 30°   | 3502.5 | 3525.6 | 3692.2 | 4044.6 | 4520.1 | 5200.6 | 5864.4 | 5979.7 | 5606.8  | 5260.8  |
| 32.5° | 3342.3 | 3371.8 | 3547.4 | 3902.3 | 4371.4 | 5139.0 | 6013.1 | 6270.7 | 5841.3  | 5388.9  |
| 35°   | 3139.8 | 3166.7 | 3351.3 | 3707.5 | 4176.6 | 5040.4 | 6137.4 | 6593.6 | 6177.1  | 5583.7  |
| 37.5° | 2893.8 | 2919.4 | 3102.7 | 3464.0 | 3983.1 | 4902.0 | 6232.2 | 6957.6 | 6577.0  | 5864.4  |
| 40°   | 2646.4 | 2670.8 | 2842.5 | 3192.4 | 3751.1 | 4725.1 | 6265.5 | 7313.8 | 7035.7  | 6250.2  |
| 42.5° | 2419.6 | 2441.4 | 2599.0 | 2924.5 | 3491.0 | 4499.5 | 6222.0 | 7624.0 | 7447.1  | 6519.3  |
| 45°   | 2210.7 | 2229.9 | 2369.6 | 2673.3 | 3220.6 | 4225.3 | 6091.2 | 7957.2 | 7936.7  | 6711.5  |
| 47.5° | 1972.3 | 1991.5 | 2136.4 | 2429.8 | 2950.1 | 3903.6 | 5869.5 | 8285.3 | 8617.2  | 7147.2  |
| 50°   | 1681.4 | 1698.1 | 1846.7 | 2149.2 | 2669.5 | 3561.4 | 5562.0 | 8542.9 | 9475.8  | 7807.2  |
| 52.5° | 1336.7 | 1354.6 | 1499.4 | 1801.9 | 2336.3 | 3193.6 | 5157.0 | 8710.7 | 10467.8 | 8771.0  |
| 55°   | 994.5  | 1007.3 | 1132.9 | 1404.6 | 1923.6 | 2774.6 | 4649.5 | 8758.2 | 11593.0 | 10088.4 |
| 57.5° | 721.5  | 729.2  | 809.9  | 1012.4 | 1458.4 | 2250.4 | 4033.1 | 8635.1 | 12932.2 | 11777.5 |
| 60°   | 584.4  | 587.0  | 611.3  | 701.0  | 1013.7 | 1658.3 | 3288.5 | 8212.2 | 14385.5 | 13954.9 |
| 62.5° | 530.6  | 530.6  | 537.0  | 561.3  | 685.6  | 1094.4 | 2387.5 | 7335.6 | 15943.9 | 16706.4 |
| 65°   | 493.4  | 493.4  | 496.0  | 507.5  | 540.8  | 697.2  | 1507.1 | 5908.0 | 17257.5 | 19929.5 |
| 67.5° | 460.1  | 461.4  | 460.1  | 463.9  | 483.1  | 515.2  | 874.0  | 4080.5 | 17964.9 | 23269.2 |
| 70°   | 425.5  | 428.0  | 421.6  | 421.6  | 437.0  | 438.3  | 547.2  | 2237.6 | 17377.9 | 26068.2 |
| 72.5° | 384.5  | 388.3  | 378.1  | 375.5  | 387.0  | 381.9  | 411.4  | 1073.9 | 14919.9 | 26903.7 |
| 75°   | 348.6  | 353.7  | 330.6  | 324.2  | 324.2  | 320.4  | 334.5  | 551.1  | 9683.4  | 21946.7 |
| 77.5° | 316.5  | 326.8  | 289.6  | 269.1  | 264.0  | 252.5  | 273.0  | 337.0  | 4235.5  | 10303.7 |
| 80°   | 261.4  | 275.5  | 238.4  | 214.0  | 205.0  | 192.2  | 215.3  | 235.8  | 1259.8  | 2392.7  |
| 82.5° | 194.8  | 201.2  | 169.2  | 152.5  | 144.8  | 135.8  | 161.5  | 164.0  | 410.1   | 847.1   |
| 85°   | 124.3  | 126.9  | 103.8  | 89.7   | 85.9   | 82.0   | 102.5  | 89.7   | 156.3   | 622.8   |
| 87.5° | 43.6   | 50.0   | 39.7   | 35.9   | 38.4   | 32.0   | 47.4   | 26.9   | 43.6    | 439.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

4506.0  
4508.5  
4538.0  
4568.8  
4580.3  
4590.5  
4616.2  
4672.6  
4758.4  
4850.7  
4963.5  
5098.0  
5198.0  
5309.5  
5495.3  
5746.5  
6124.6  
6357.8  
6493.7  
6896.1  
7492.0  
8382.7  
9602.7  
11166.2  
13184.7  
15674.7  
18624.9  
21860.8  
25697.8  
27877.7  
23474.3  
10089.7  
2291.4  
957.3  
904.8  
544.7  
0.0

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