

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: P941603

Luminaire Tested: **GLAN-SB5B-722-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941603  
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-SB5B-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23246 lumens  
Efficiency: N/A  
Efficacy: 127.2 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): 182.7  
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

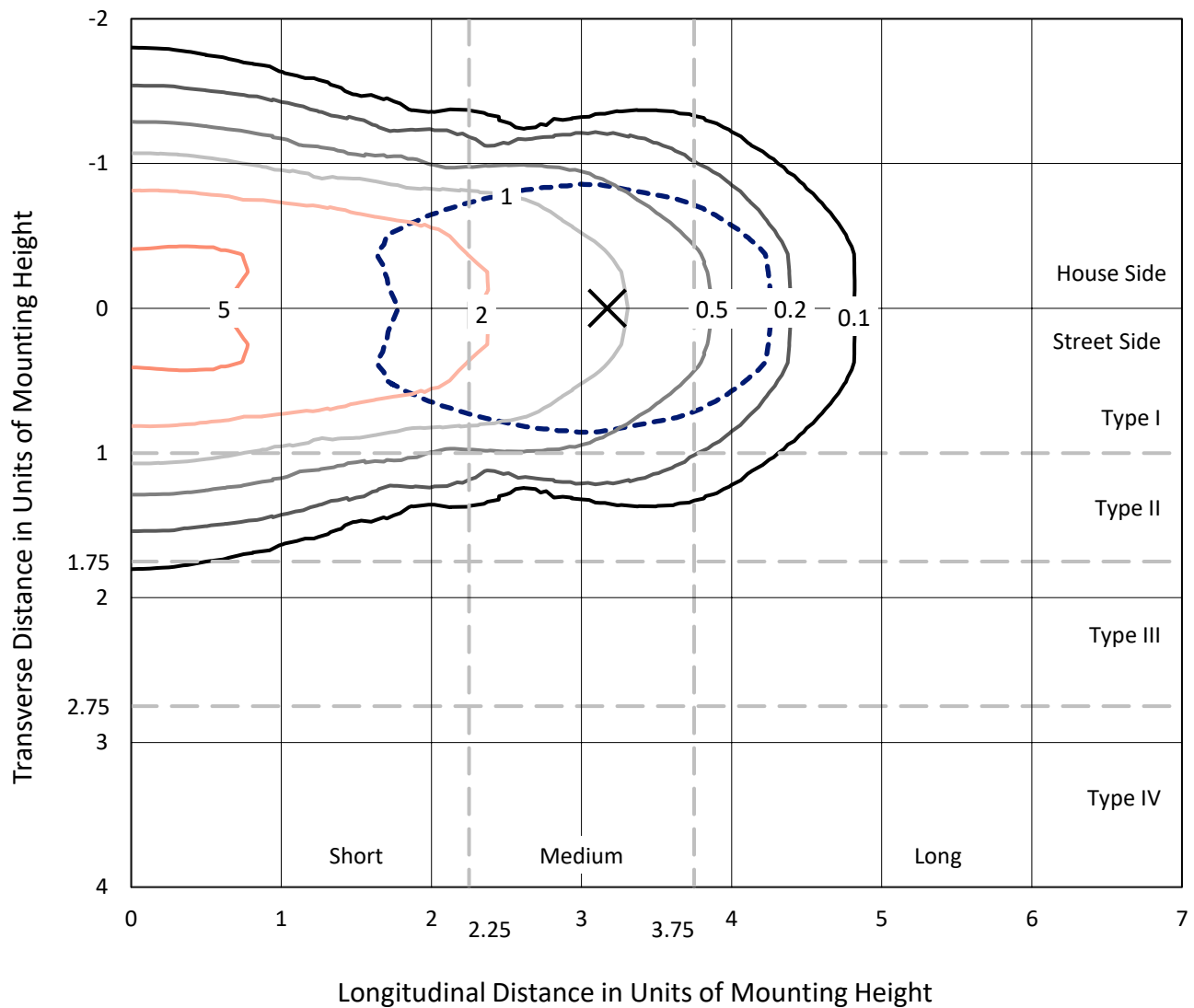


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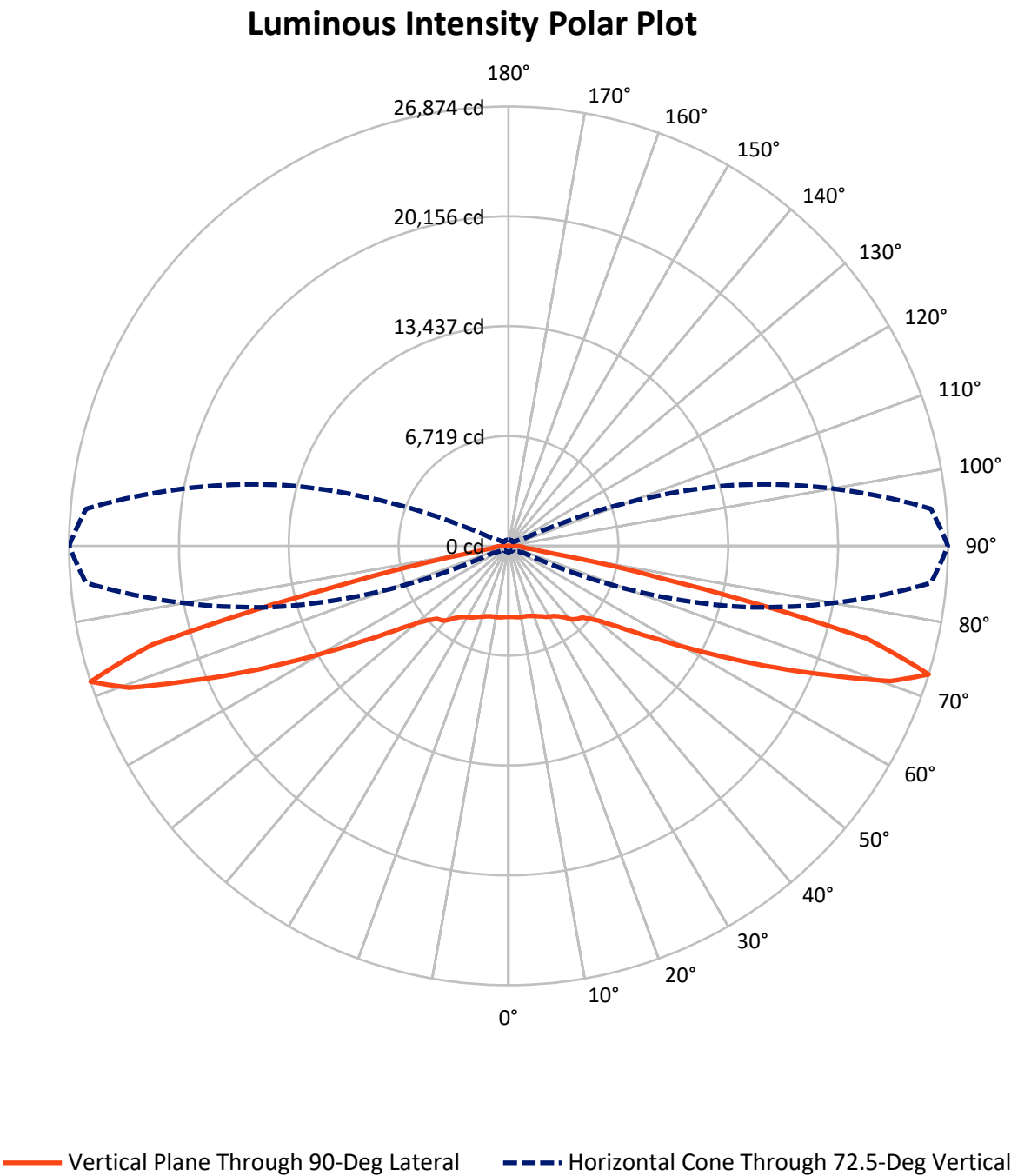
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
Type I - Short - N/A

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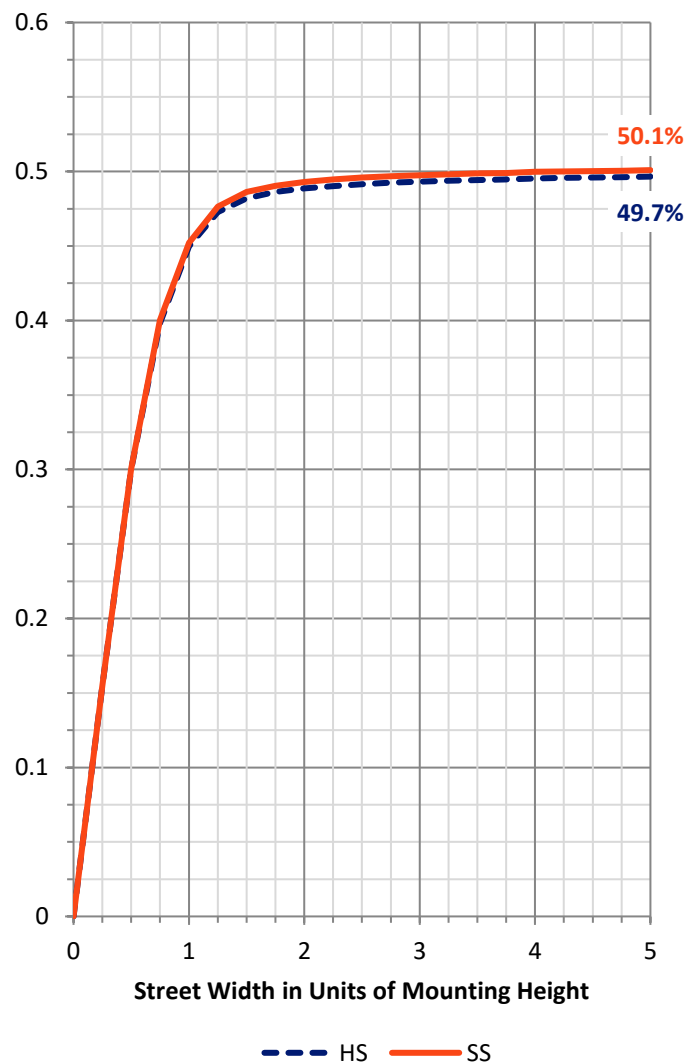
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11623.0  | 0.0    | 11623.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11623.0  | 0.0    | 11623.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 23246.0  | 0.0    | 23246.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 421.2   | 1.8       |
| 10°-20°   | 1287.8  | 5.5       |
| 20°-30°   | 2147.3  | 9.2       |
| 30°-40°   | 2953.2  | 12.7      |
| 40°-50°   | 3606.7  | 15.5      |
| 50°-60°   | 4171.5  | 17.9      |
| 60°-70°   | 4973.8  | 21.4      |
| 70°-80°   | 3471.4  | 14.9      |
| 80°-90°   | 213.2   | 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°    | 23246.0 | 100.0     |
| 0°-180°   | 23246.0 | 100.0     |

**Coefficient of Utilization**



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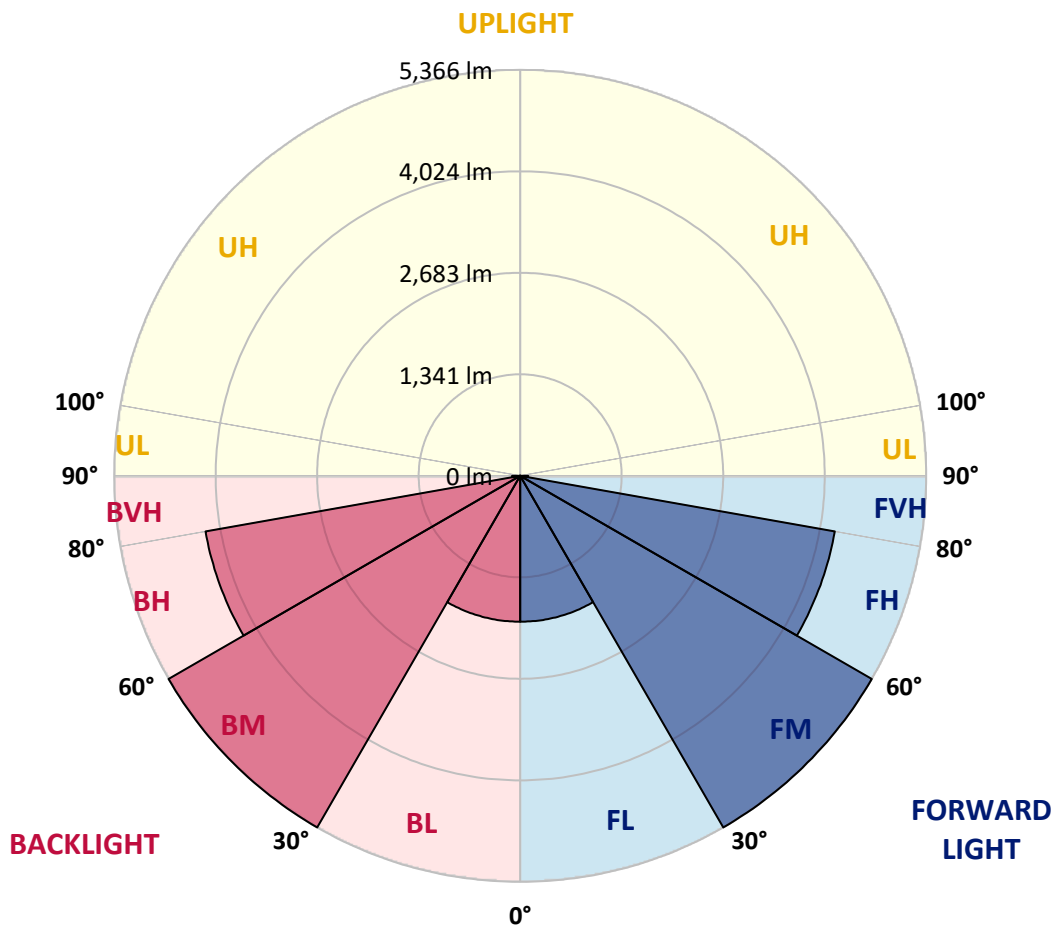
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1928.1 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 5365.7 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 4222.6 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 106.6  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1928.1 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5365.7 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4222.6 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 106.6  | 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°    | 4343.8 | 4343.8 | 4343.8 | 4343.8 | 4343.8 | 4343.8 | 4343.8 | 4343.8 | 4343.8  | 4343.8  |
| 2.5°  | 4347.5 | 4352.4 | 4352.4 | 4348.7 | 4357.4 | 4349.9 | 4349.9 | 4346.2 | 4349.9  | 4346.2  |
| 5°    | 4369.7 | 4375.9 | 4378.4 | 4377.1 | 4388.2 | 4382.1 | 4382.1 | 4377.1 | 4378.4  | 4374.6  |
| 7.5°  | 4411.7 | 4420.4 | 4425.3 | 4431.5 | 4447.5 | 4440.1 | 4435.2 | 4420.4 | 4414.2  | 4404.3  |
| 10°   | 4425.3 | 4435.2 | 4451.2 | 4483.4 | 4520.4 | 4521.7 | 4506.8 | 4469.8 | 4441.4  | 4419.1  |
| 12.5° | 4383.3 | 4396.9 | 4430.2 | 4495.7 | 4578.5 | 4611.8 | 4588.4 | 4526.6 | 4471.0  | 4431.5  |
| 15°   | 4330.2 | 4345.0 | 4395.6 | 4494.5 | 4616.8 | 4694.6 | 4692.2 | 4610.6 | 4521.7  | 4459.9  |
| 17.5° | 4247.4 | 4262.2 | 4335.1 | 4473.5 | 4646.4 | 4774.9 | 4809.5 | 4725.5 | 4600.7  | 4518.0  |
| 20°   | 4097.9 | 4111.5 | 4212.8 | 4406.8 | 4656.3 | 4860.2 | 4950.4 | 4876.2 | 4720.6  | 4608.1  |
| 22.5° | 3903.9 | 3925.0 | 4043.6 | 4291.9 | 4632.9 | 4949.1 | 5111.0 | 5060.3 | 4860.2  | 4704.5  |
| 25°   | 3696.4 | 3718.6 | 3857.0 | 4151.0 | 4572.3 | 5013.4 | 5301.2 | 5269.1 | 5018.3  | 4824.3  |
| 27.5° | 3517.3 | 3540.7 | 3691.5 | 4011.4 | 4478.4 | 5038.1 | 5489.0 | 5505.1 | 5209.8  | 4956.5  |
| 30°   | 3376.4 | 3398.7 | 3559.3 | 3899.0 | 4357.4 | 5013.4 | 5653.3 | 5764.5 | 5405.0  | 5071.4  |
| 32.5° | 3222.0 | 3250.4 | 3419.7 | 3761.9 | 4214.0 | 4954.1 | 5796.6 | 6044.9 | 5631.1  | 5195.0  |
| 35°   | 3026.8 | 3052.7 | 3230.6 | 3574.1 | 4026.3 | 4858.9 | 5916.5 | 6356.3 | 5954.8  | 5382.8  |
| 37.5° | 2789.6 | 2814.3 | 2991.0 | 3339.4 | 3839.7 | 4725.5 | 6007.9 | 6707.1 | 6340.2  | 5653.3  |
| 40°   | 2551.2 | 2574.6 | 2740.2 | 3077.4 | 3616.1 | 4555.0 | 6040.0 | 7050.6 | 6782.5  | 6025.2  |
| 42.5° | 2332.5 | 2353.5 | 2505.4 | 2819.2 | 3365.3 | 4337.6 | 5998.0 | 7349.6 | 7179.1  | 6284.6  |
| 45°   | 2131.1 | 2149.6 | 2284.3 | 2577.1 | 3104.6 | 4073.2 | 5872.0 | 7670.8 | 7651.0  | 6469.9  |
| 47.5° | 1901.3 | 1919.9 | 2059.5 | 2342.4 | 2844.0 | 3763.1 | 5658.3 | 7987.0 | 8307.0  | 6890.0  |
| 50°   | 1620.9 | 1636.9 | 1780.2 | 2071.8 | 2573.4 | 3433.3 | 5361.8 | 8235.4 | 9134.7  | 7526.2  |
| 52.5° | 1288.6 | 1305.8 | 1445.4 | 1737.0 | 2252.2 | 3078.7 | 4971.4 | 8397.2 | 10091.0 | 8455.3  |
| 55°   | 958.7  | 971.0  | 1092.1 | 1354.0 | 1854.4 | 2674.7 | 4482.1 | 8442.9 | 11175.7 | 9725.3  |
| 57.5° | 695.5  | 703.0  | 780.8  | 976.0  | 1405.9 | 2169.4 | 3887.9 | 8324.3 | 12466.7 | 11353.6 |
| 60°   | 563.4  | 565.8  | 589.3  | 675.8  | 977.2  | 1598.6 | 3170.1 | 7916.6 | 13867.7 | 13452.6 |
| 62.5° | 511.5  | 511.5  | 517.6  | 541.1  | 661.0  | 1055.1 | 2301.6 | 7071.6 | 15369.9 | 16105.0 |
| 65°   | 475.6  | 475.6  | 478.1  | 489.2  | 521.4  | 672.1  | 1452.9 | 5695.3 | 16636.3 | 19212.1 |
| 67.5° | 443.5  | 444.8  | 443.5  | 447.2  | 465.8  | 496.6  | 842.6  | 3933.6 | 17318.2 | 22431.6 |
| 70°   | 410.2  | 412.6  | 406.5  | 406.5  | 421.3  | 422.5  | 527.5  | 2157.1 | 16752.4 | 25129.8 |
| 72.5° | 370.6  | 374.3  | 364.5  | 362.0  | 373.1  | 368.2  | 396.6  | 1035.3 | 14382.8 | 25935.3 |
| 75°   | 336.0  | 341.0  | 318.7  | 312.6  | 312.6  | 308.9  | 322.4  | 531.2  | 9334.9  | 21156.7 |
| 77.5° | 305.2  | 315.0  | 279.2  | 259.4  | 254.5  | 243.4  | 263.1  | 324.9  | 4083.1  | 9932.8  |
| 80°   | 252.0  | 265.6  | 229.8  | 206.3  | 197.7  | 185.3  | 207.6  | 227.3  | 1214.4  | 2306.5  |
| 82.5° | 187.8  | 194.0  | 163.1  | 147.0  | 139.6  | 131.0  | 155.7  | 158.1  | 395.3   | 816.6   |
| 85°   | 119.8  | 122.3  | 100.1  | 86.5   | 82.8   | 79.1   | 98.8   | 86.5   | 150.7   | 600.4   |
| 87.5° | 42.0   | 48.2   | 38.3   | 34.6   | 37.1   | 30.9   | 45.7   | 25.9   | 42.0    | 423.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

4343.8  
4346.2  
4374.6  
4404.3  
4415.4  
4425.3  
4450.0  
4504.4  
4587.1  
4676.1  
4784.8  
4914.5  
5010.9  
5118.4  
5297.5  
5539.7  
5904.1  
6129.0  
6259.9  
6647.8  
7222.3  
8080.9  
9257.1  
10764.3  
12710.1  
15110.5  
17954.5  
21073.9  
24772.8  
26874.2  
22629.3  
9726.5  
2208.9  
922.9  
872.2  
525.1  
0.0

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