

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: P943133

Luminaire Tested: **GLAN-SB7C-722-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943133  
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-SB7C-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 43525 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 350.5  
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

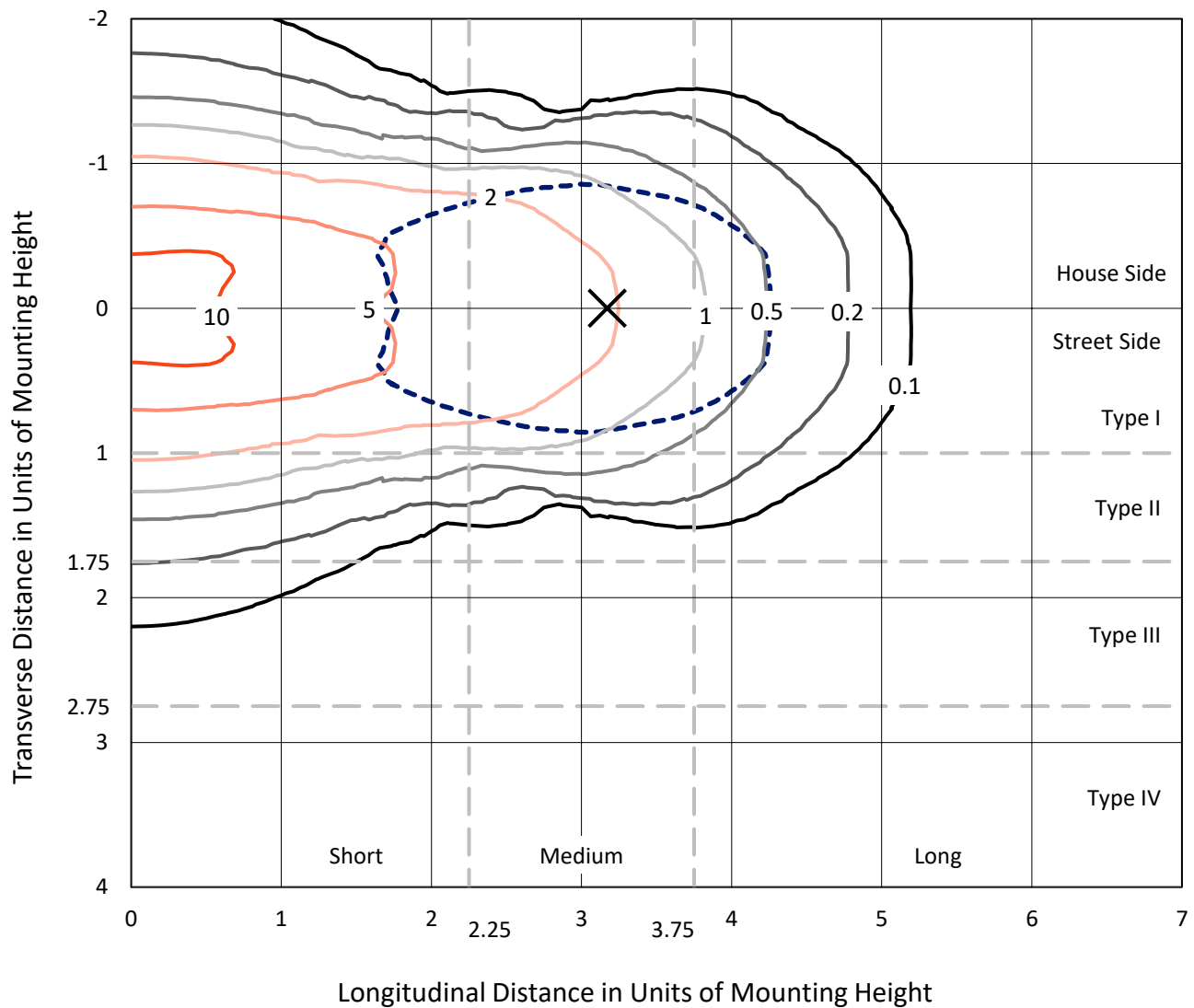


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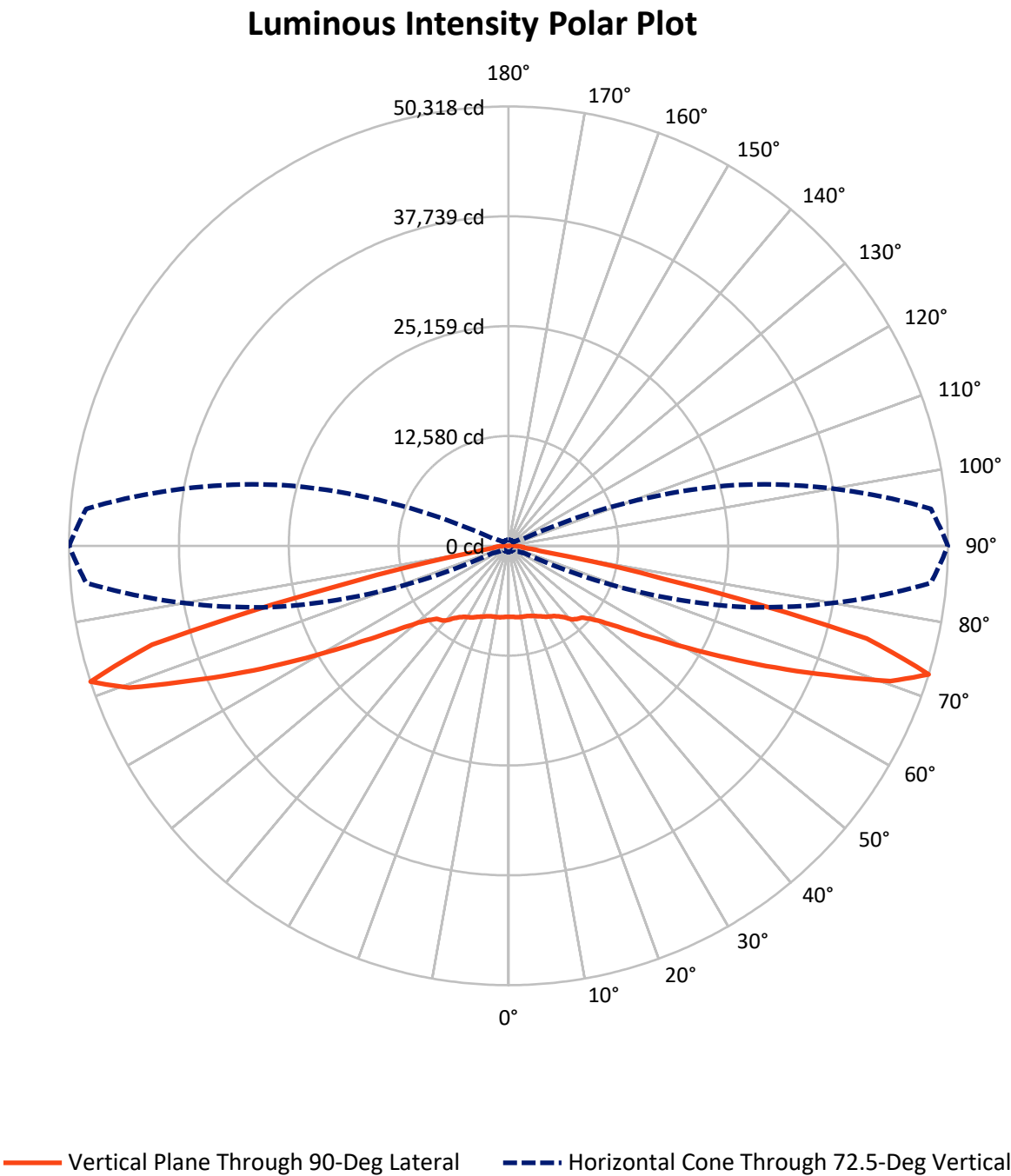
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
Type I - Short - N/A

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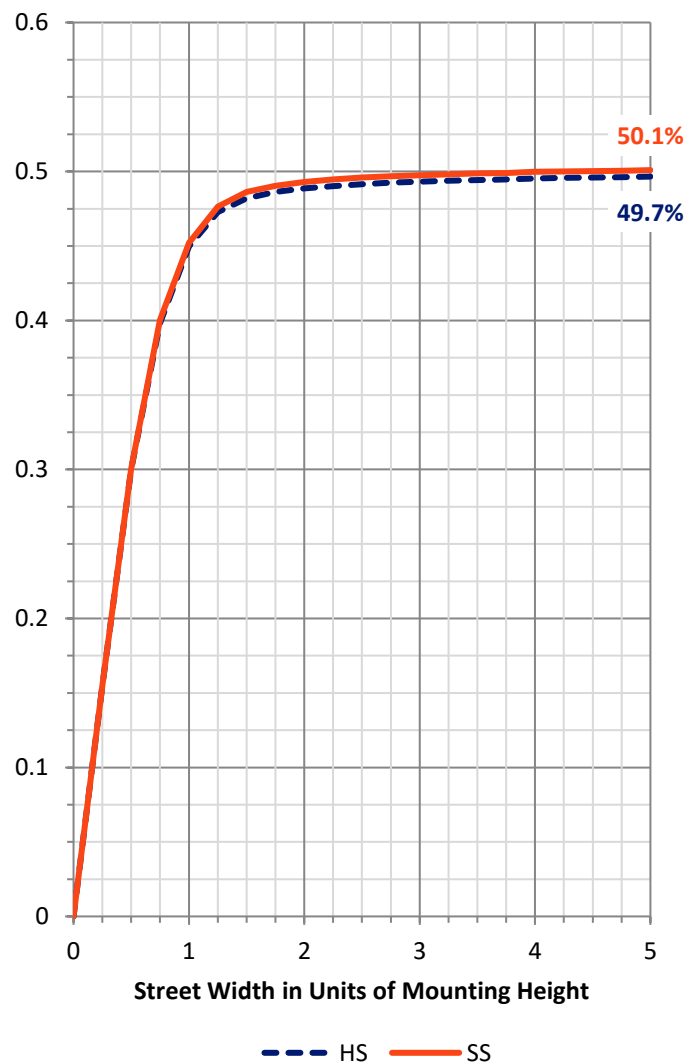
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21762.5  | 0.0    | 21762.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21762.5  | 0.0    | 21762.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 43525.0  | 0.0    | 43525.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 788.6   | 1.8       |
| 10°-20°   | 2411.2  | 5.5       |
| 20°-30°   | 4020.5  | 9.2       |
| 30°-40°   | 5529.5  | 12.7      |
| 40°-50°   | 6753.0  | 15.5      |
| 50°-60°   | 7810.5  | 17.9      |
| 60°-70°   | 9312.8  | 21.4      |
| 70°-80°   | 6499.7  | 14.9      |
| 80°-90°   | 399.2   | 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°    | 43525.0 | 100.0     |
| 0°-180°   | 43525.0 | 100.0     |

**Coefficient of Utilization**



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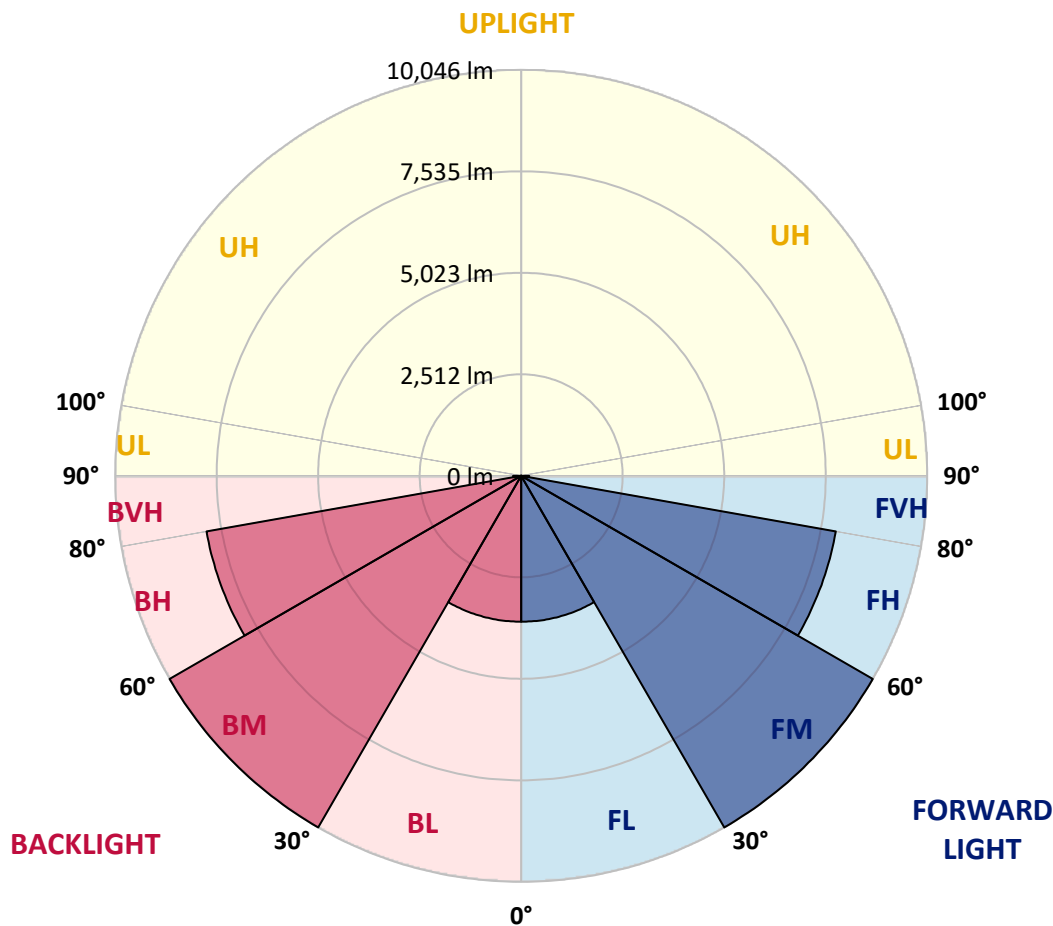
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3610.2  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 10046.5 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 7906.2  | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 199.6   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3610.2  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 10046.5 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 7906.2  | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 199.6   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 8133.1 | 8133.1 | 8133.1 | 8133.1 | 8133.1 | 8133.1 | 8133.1  | 8133.1  | 8133.1  | 8133.1  |
| 2.5°  | 8140.0 | 8149.3 | 8149.3 | 8142.4 | 8158.6 | 8144.7 | 8144.7  | 8137.7  | 8144.7  | 8137.7  |
| 5°    | 8181.7 | 8193.2 | 8197.9 | 8195.6 | 8216.4 | 8204.8 | 8204.8  | 8195.6  | 8197.9  | 8190.9  |
| 7.5°  | 8260.3 | 8276.5 | 8285.8 | 8297.3 | 8327.4 | 8313.5 | 8304.3  | 8276.5  | 8265.0  | 8246.5  |
| 10°   | 8285.8 | 8304.3 | 8334.4 | 8394.5 | 8463.9 | 8466.2 | 8438.4  | 8369.0  | 8315.8  | 8274.2  |
| 12.5° | 8207.1 | 8232.6 | 8295.0 | 8417.6 | 8572.6 | 8635.1 | 8591.1  | 8475.5  | 8371.4  | 8297.3  |
| 15°   | 8107.7 | 8135.4 | 8230.3 | 8415.3 | 8644.3 | 8790.0 | 8785.4  | 8632.8  | 8466.2  | 8350.5  |
| 17.5° | 7952.7 | 7980.4 | 8116.9 | 8376.0 | 8699.8 | 8940.4 | 9005.2  | 8847.9  | 8614.2  | 8459.3  |
| 20°   | 7672.8 | 7698.2 | 7887.9 | 8251.1 | 8718.3 | 9100.0 | 9268.9  | 9130.1  | 8838.6  | 8628.1  |
| 22.5° | 7309.6 | 7348.9 | 7571.0 | 8036.0 | 8674.4 | 9266.6 | 9569.6  | 9474.7  | 9100.0  | 8808.6  |
| 25°   | 6921.0 | 6962.6 | 7221.7 | 7772.3 | 8561.0 | 9386.8 | 9925.8  | 9865.7  | 9396.1  | 9032.9  |
| 27.5° | 6585.6 | 6629.5 | 6911.8 | 7510.9 | 8385.2 | 9433.1 | 10277.4 | 10307.5 | 9754.6  | 9280.4  |
| 30°   | 6321.9 | 6363.5 | 6664.2 | 7300.4 | 8158.6 | 9386.8 | 10585.1 | 10793.3 | 10120.1 | 9495.6  |
| 32.5° | 6032.7 | 6086.0 | 6402.9 | 7043.6 | 7890.2 | 9275.8 | 10853.4 | 11318.3 | 10543.4 | 9726.9  |
| 35°   | 5667.3 | 5715.8 | 6048.9 | 6692.0 | 7538.6 | 9097.7 | 11077.8 | 11901.3 | 11149.5 | 10078.5 |
| 37.5° | 5223.1 | 5269.4 | 5600.2 | 6252.5 | 7189.3 | 8847.9 | 11248.9 | 12558.2 | 11871.2 | 10585.1 |
| 40°   | 4776.7 | 4820.6 | 5130.6 | 5762.1 | 6770.6 | 8528.7 | 11309.1 | 13201.3 | 12699.3 | 11281.3 |
| 42.5° | 4367.3 | 4406.6 | 4691.1 | 5278.7 | 6301.1 | 8121.5 | 11230.4 | 13761.0 | 13441.8 | 11767.1 |
| 45°   | 3990.2 | 4024.9 | 4277.1 | 4825.3 | 5813.0 | 7626.5 | 10994.5 | 14362.5 | 14325.5 | 12114.1 |
| 47.5° | 3560.0 | 3594.7 | 3856.1 | 4385.8 | 5324.9 | 7045.9 | 10594.3 | 14954.6 | 15553.8 | 12900.5 |
| 50°   | 3034.9 | 3065.0 | 3333.3 | 3879.2 | 4818.3 | 6428.3 | 10039.2 | 15419.6 | 17103.6 | 14091.8 |
| 52.5° | 2412.6 | 2445.0 | 2706.4 | 3252.3 | 4216.9 | 5764.4 | 9308.2  | 15722.6 | 18894.0 | 15831.3 |
| 55°   | 1795.0 | 1818.2 | 2044.8 | 2535.2 | 3472.1 | 5008.0 | 8392.2  | 15808.2 | 20924.9 | 18209.3 |
| 57.5° | 1302.3 | 1316.2 | 1461.9 | 1827.4 | 2632.4 | 4061.9 | 7279.5  | 15586.1 | 23342.2 | 21258.0 |
| 60°   | 1054.8 | 1059.4 | 1103.4 | 1265.3 | 1829.7 | 2993.2 | 5935.6  | 14822.8 | 25965.3 | 25188.1 |
| 62.5° | 957.7  | 957.7  | 969.2  | 1013.2 | 1237.5 | 1975.4 | 4309.4  | 13240.6 | 28778.1 | 30154.5 |
| 65°   | 890.6  | 890.6  | 895.2  | 916.0  | 976.2  | 1258.4 | 2720.3  | 10663.7 | 31149.1 | 35972.1 |
| 67.5° | 830.4  | 832.7  | 830.4  | 837.4  | 872.1  | 929.9  | 1577.6  | 7365.1  | 32426.0 | 42000.2 |
| 70°   | 768.0  | 772.6  | 761.0  | 761.0  | 788.8  | 791.1  | 987.7   | 4038.8  | 31366.6 | 47052.2 |
| 72.5° | 694.0  | 700.9  | 682.4  | 677.8  | 698.6  | 689.3  | 742.5   | 1938.4  | 26929.9 | 48560.4 |
| 75°   | 629.2  | 638.4  | 596.8  | 585.2  | 585.2  | 578.3  | 603.7   | 994.7   | 17478.3 | 39613.0 |
| 77.5° | 571.4  | 589.9  | 522.8  | 485.8  | 476.5  | 455.7  | 492.7   | 608.4   | 7645.0  | 18597.9 |
| 80°   | 471.9  | 497.3  | 430.2  | 386.3  | 370.1  | 347.0  | 388.6   | 425.6   | 2273.8  | 4318.7  |
| 82.5° | 351.6  | 363.2  | 305.3  | 275.3  | 261.4  | 245.2  | 291.5   | 296.1   | 740.2   | 1529.0  |
| 85°   | 224.4  | 229.0  | 187.4  | 161.9  | 155.0  | 148.0  | 185.1   | 161.9   | 282.2   | 1124.2  |
| 87.5° | 78.6   | 90.2   | 71.7   | 64.8   | 69.4   | 57.8   | 85.6    | 48.6    | 78.6    | 793.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

90°

8133.1  
8137.7  
8190.9  
8246.5  
8267.3  
8285.8  
8332.0  
8433.8  
8588.8  
8755.3  
8958.9  
9201.8  
9382.2  
9583.5  
9918.9  
10372.3  
11054.6  
11475.6  
11720.8  
12447.2  
13522.8  
15130.4  
17332.6  
20154.7  
23797.9  
28292.4  
33617.3  
39458.1  
46383.7  
50318.4  
42370.3  
18211.6  
4135.9  
1727.9  
1633.1  
983.1  
0.0

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