

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: P943053

Luminaire Tested: **GLAN-SB7B-835-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943053  
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-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 36746 lumens  
Efficiency: N/A  
Efficacy: 143.1 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): 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

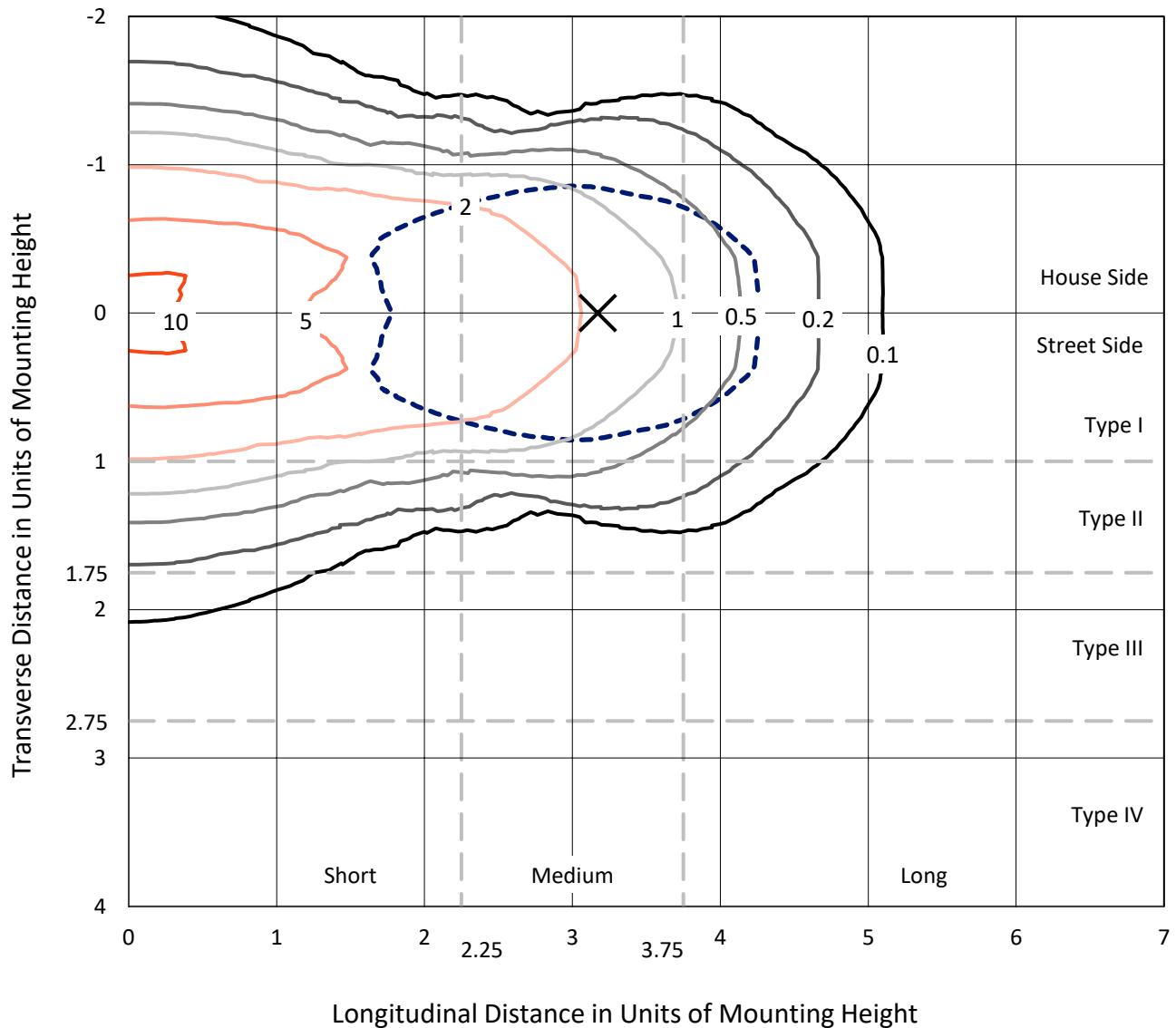


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## Iso-Footcandle Lines of Horizontal Illumination

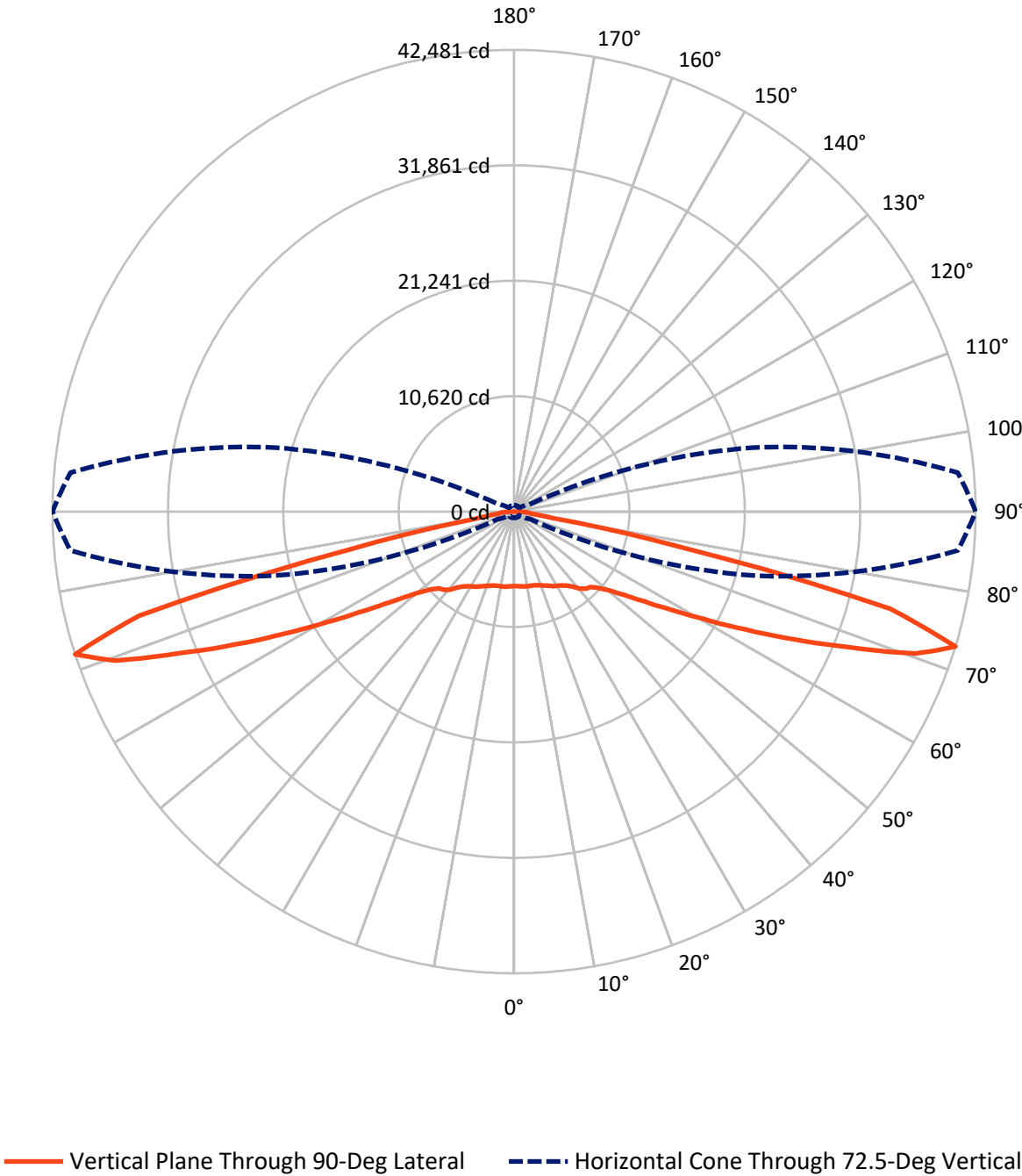
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
Type I - Short - N/A

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Luminous Intensity Polar Plot



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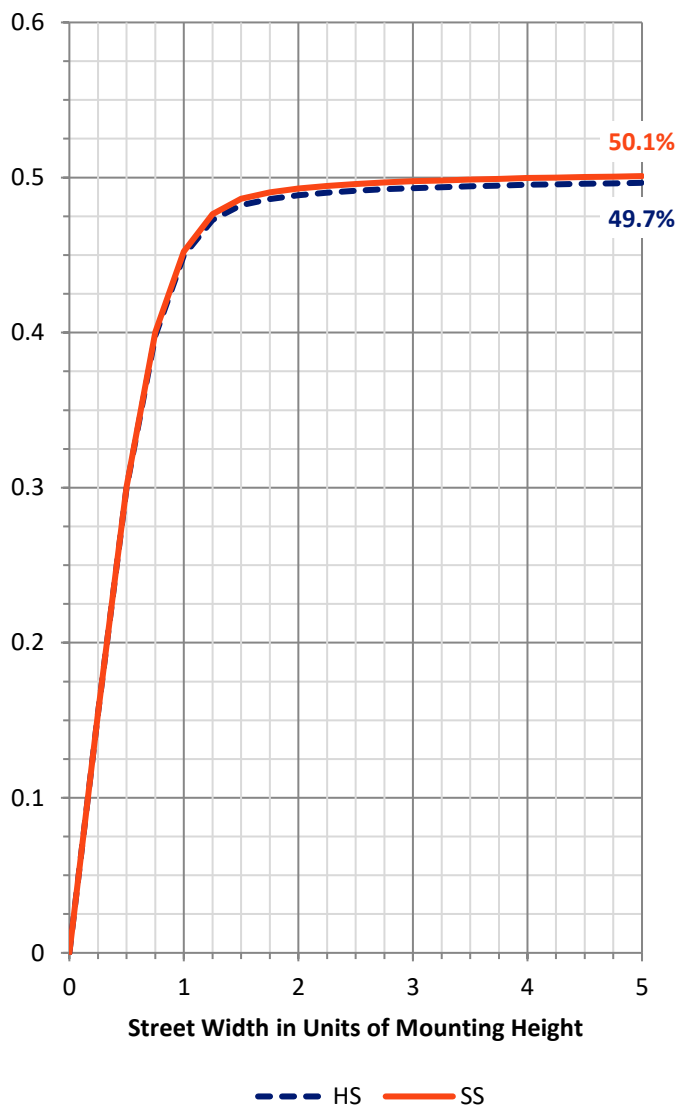
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18373.0  | 0.0    | 18373.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18373.0  | 0.0    | 18373.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 36746.0  | 0.0    | 36746.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 665.8   | 1.8       |
| 10°-20°   | 2035.7  | 5.5       |
| 20°-30°   | 3394.3  | 9.2       |
| 30°-40°   | 4668.2  | 12.7      |
| 40°-50°   | 5701.2  | 15.5      |
| 50°-60°   | 6594.0  | 17.9      |
| 60°-70°   | 7862.3  | 21.4      |
| 70°-80°   | 5487.4  | 14.9      |
| 80°-90°   | 337.0   | 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°    | 36746.0 | 100.0     |
| 0°-180°   | 36746.0 | 100.0     |

**Coefficient of Utilization**



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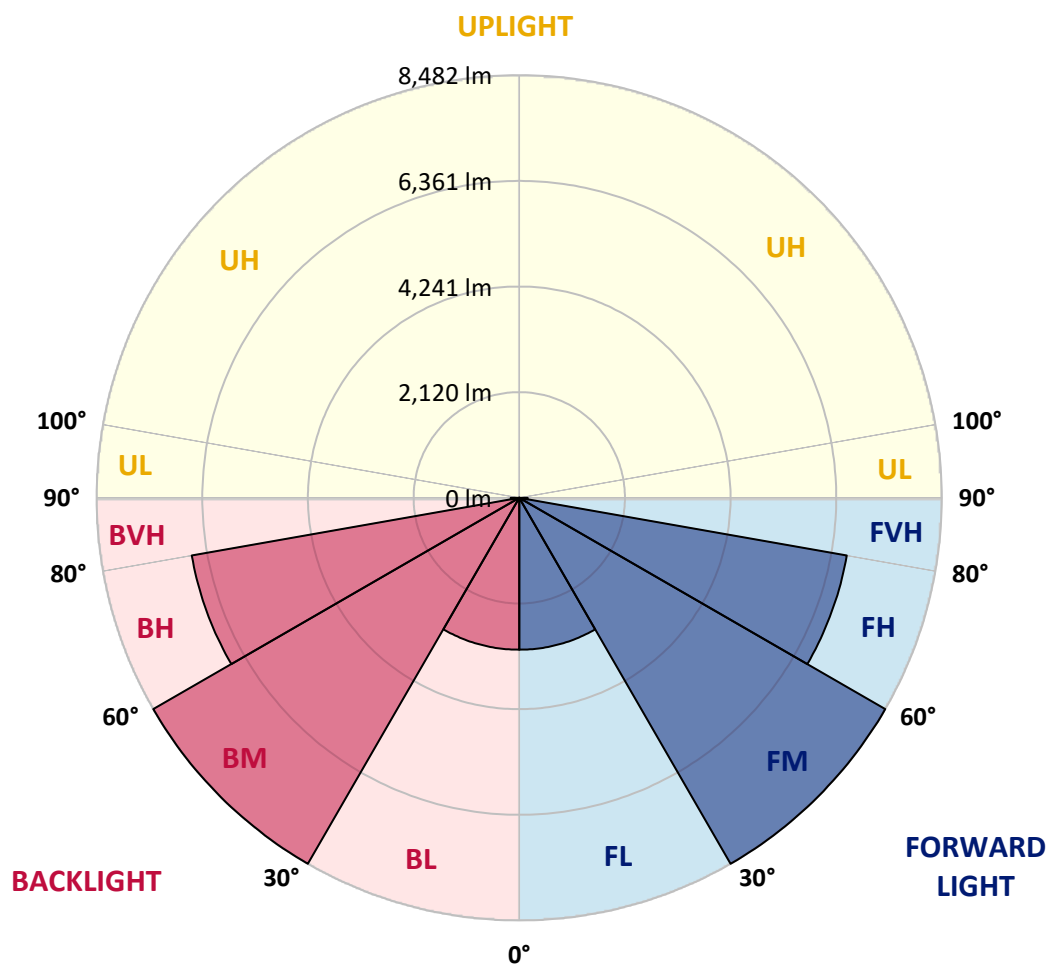
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3047.9 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 8481.7 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 6674.8 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 168.5  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 3047.9 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8481.7 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 6674.8 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 168.5  | 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°    | 6866.4 | 6866.4 | 6866.4 | 6866.4 | 6866.4 | 6866.4 | 6866.4 | 6866.4  | 6866.4  | 6866.4  |
| 2.5°  | 6872.2 | 6880.0 | 6880.0 | 6874.2 | 6887.9 | 6876.1 | 6876.1 | 6870.3  | 6876.1  | 6870.3  |
| 5°    | 6907.4 | 6917.2 | 6921.1 | 6919.1 | 6936.7 | 6926.9 | 6926.9 | 6919.1  | 6921.1  | 6915.2  |
| 7.5°  | 6973.8 | 6987.5 | 6995.3 | 7005.0 | 7030.4 | 7018.7 | 7010.9 | 6987.5  | 6977.7  | 6962.1  |
| 10°   | 6995.3 | 7010.9 | 7036.3 | 7087.1 | 7145.6 | 7147.6 | 7124.2 | 7065.6  | 7020.7  | 6985.5  |
| 12.5° | 6928.9 | 6950.4 | 7003.1 | 7106.6 | 7237.4 | 7290.2 | 7253.1 | 7155.4  | 7067.5  | 7005.0  |
| 15°   | 6844.9 | 6868.3 | 6948.4 | 7104.6 | 7298.0 | 7421.0 | 7417.1 | 7288.2  | 7147.6  | 7050.0  |
| 17.5° | 6714.1 | 6737.5 | 6852.7 | 7071.4 | 7344.8 | 7547.9 | 7602.6 | 7469.8  | 7272.6  | 7141.7  |
| 20°   | 6477.8 | 6499.2 | 6659.4 | 6966.0 | 7360.5 | 7682.7 | 7825.2 | 7708.1  | 7462.0  | 7284.3  |
| 22.5° | 6171.1 | 6204.3 | 6391.8 | 6784.4 | 7323.4 | 7823.3 | 8079.1 | 7999.1  | 7682.7  | 7436.6  |
| 25°   | 5843.1 | 5878.2 | 6096.9 | 6561.7 | 7227.7 | 7924.8 | 8379.9 | 8329.1  | 7932.7  | 7626.1  |
| 27.5° | 5559.9 | 5597.0 | 5835.2 | 6341.0 | 7079.2 | 7963.9 | 8676.7 | 8702.1  | 8235.4  | 7835.0  |
| 30°   | 5337.3 | 5372.4 | 5626.3 | 6163.3 | 6887.9 | 7924.8 | 8936.4 | 9112.2  | 8543.9  | 8016.6  |
| 32.5° | 5093.1 | 5138.1 | 5405.6 | 5946.6 | 6661.3 | 7831.1 | 9163.0 | 9555.5  | 8901.3  | 8211.9  |
| 35°   | 4784.6 | 4825.6 | 5106.8 | 5649.7 | 6364.5 | 7680.7 | 9352.4 | 10047.6 | 9413.0  | 8508.8  |
| 37.5° | 4409.6 | 4448.7 | 4728.0 | 5278.7 | 6069.6 | 7469.8 | 9496.9 | 10602.3 | 10022.3 | 8936.4  |
| 40°   | 4032.7 | 4069.8 | 4331.5 | 4864.7 | 5716.1 | 7200.3 | 9547.7 | 11145.2 | 10721.4 | 9524.3  |
| 42.5° | 3687.1 | 3720.3 | 3960.5 | 4456.5 | 5319.7 | 6856.6 | 9481.3 | 11617.8 | 11348.3 | 9934.4  |
| 45°   | 3368.7 | 3398.0 | 3610.9 | 4073.7 | 4907.6 | 6438.7 | 9282.1 | 12125.5 | 12094.3 | 10227.3 |
| 47.5° | 3005.5 | 3034.8 | 3255.5 | 3702.7 | 4495.6 | 5948.5 | 8944.3 | 12625.5 | 13131.3 | 10891.3 |
| 50°   | 2562.2 | 2587.6 | 2814.1 | 3275.0 | 4067.9 | 5427.1 | 8475.6 | 13018.0 | 14439.7 | 11897.0 |
| 52.5° | 2036.9 | 2064.2 | 2284.9 | 2745.8 | 3560.1 | 4866.6 | 7858.4 | 13273.8 | 15951.2 | 13365.6 |
| 55°   | 1515.4 | 1535.0 | 1726.4 | 2140.4 | 2931.3 | 4228.0 | 7085.1 | 13346.1 | 17665.9 | 15373.2 |
| 57.5° | 1099.5 | 1111.2 | 1234.2 | 1542.8 | 2222.4 | 3429.3 | 6145.8 | 13158.6 | 19706.7 | 17947.1 |
| 60°   | 890.5  | 894.4  | 931.5  | 1068.2 | 1544.7 | 2527.0 | 5011.1 | 12514.1 | 21921.2 | 21265.1 |
| 62.5° | 808.5  | 808.5  | 818.3  | 855.4  | 1044.8 | 1667.8 | 3638.2 | 11178.4 | 24296.0 | 25457.9 |
| 65°   | 751.9  | 751.9  | 755.8  | 773.3  | 824.1  | 1062.4 | 2296.6 | 9002.8  | 26297.7 | 30369.5 |
| 67.5° | 701.1  | 703.0  | 701.1  | 706.9  | 736.2  | 785.1  | 1331.9 | 6218.0  | 27375.7 | 35458.7 |
| 70°   | 648.4  | 652.3  | 642.5  | 642.5  | 665.9  | 667.9  | 833.9  | 3409.8  | 26481.3 | 39723.8 |
| 72.5° | 585.9  | 591.7  | 576.1  | 572.2  | 589.8  | 582.0  | 626.9  | 1636.5  | 22735.6 | 40997.1 |
| 75°   | 531.2  | 539.0  | 503.8  | 494.1  | 494.1  | 488.2  | 509.7  | 839.7   | 14756.1 | 33443.3 |
| 77.5° | 482.4  | 498.0  | 441.4  | 410.1  | 402.3  | 384.7  | 416.0  | 513.6   | 6454.3  | 15701.3 |
| 80°   | 398.4  | 419.9  | 363.2  | 326.1  | 312.5  | 292.9  | 328.1  | 359.3   | 1919.7  | 3646.1  |
| 82.5° | 296.8  | 306.6  | 257.8  | 232.4  | 220.7  | 207.0  | 246.1  | 250.0   | 624.9   | 1290.9  |
| 85°   | 189.4  | 193.3  | 158.2  | 136.7  | 130.8  | 125.0  | 156.2  | 136.7   | 238.3   | 949.1   |
| 87.5° | 66.4   | 76.2   | 60.5   | 54.7   | 58.6   | 48.8   | 72.3   | 41.0    | 66.4    | 669.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END C

90°

6866.4  
6870.3  
6915.2  
6962.1  
6979.6  
6995.3  
7034.3  
7120.3  
7251.1  
7391.7  
7563.6  
7768.6  
7920.9  
8090.8  
8374.0  
8756.8  
9332.9  
9688.3  
9895.3  
10508.5  
11416.6  
12773.9  
14633.0  
17015.6  
20091.4  
23885.9  
28381.4  
33312.5  
39159.4  
42481.3  
35771.2  
15375.1  
3491.8  
1458.8  
1378.7  
830.0  
0.0

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