

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: P942073

Luminaire Tested: **GLAN-SB5D-930-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942073  
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-SB5D-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 35375 lumens  
Efficiency: N/A  
Efficacy: 96.9 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): 364.9  
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



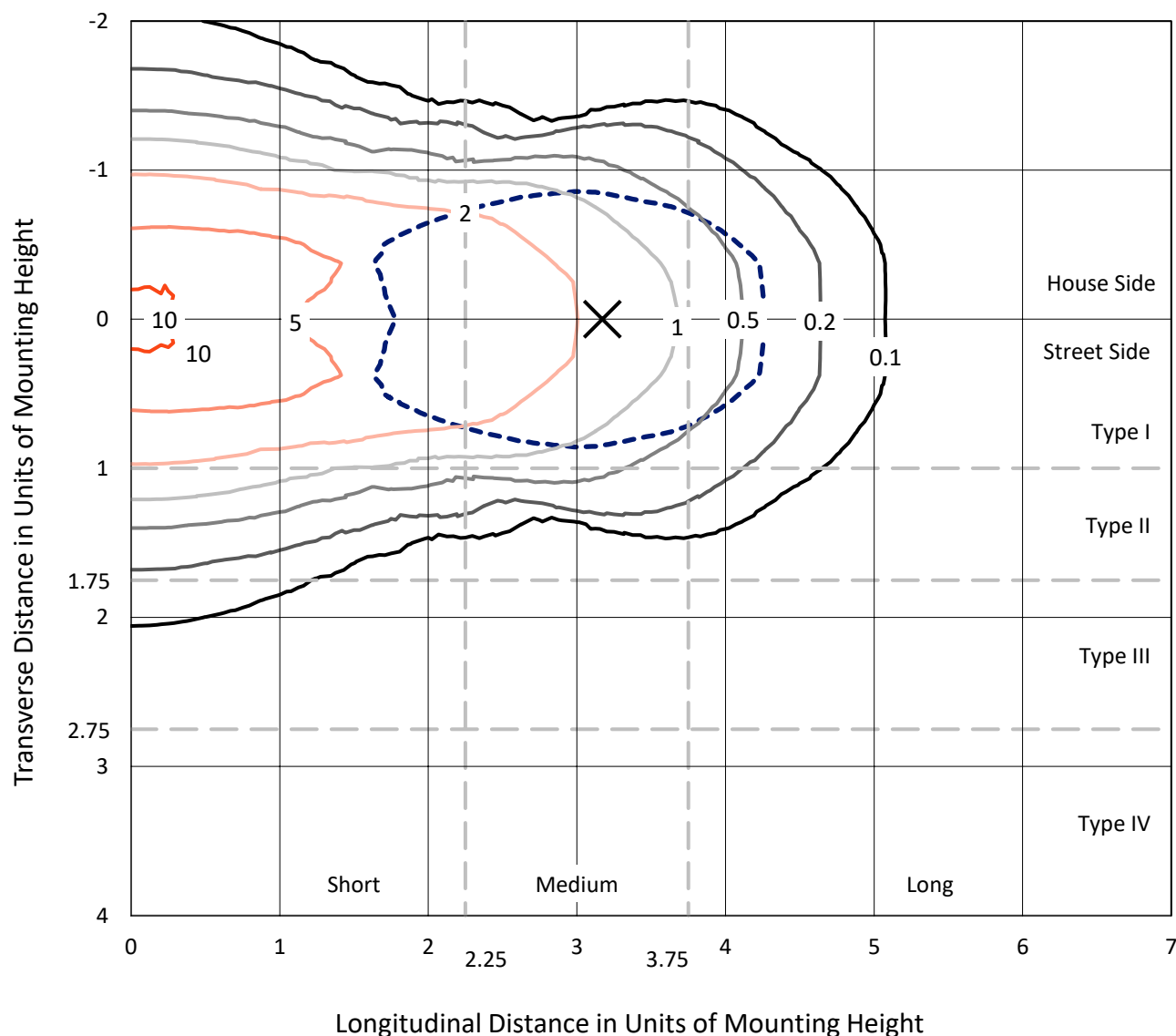
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

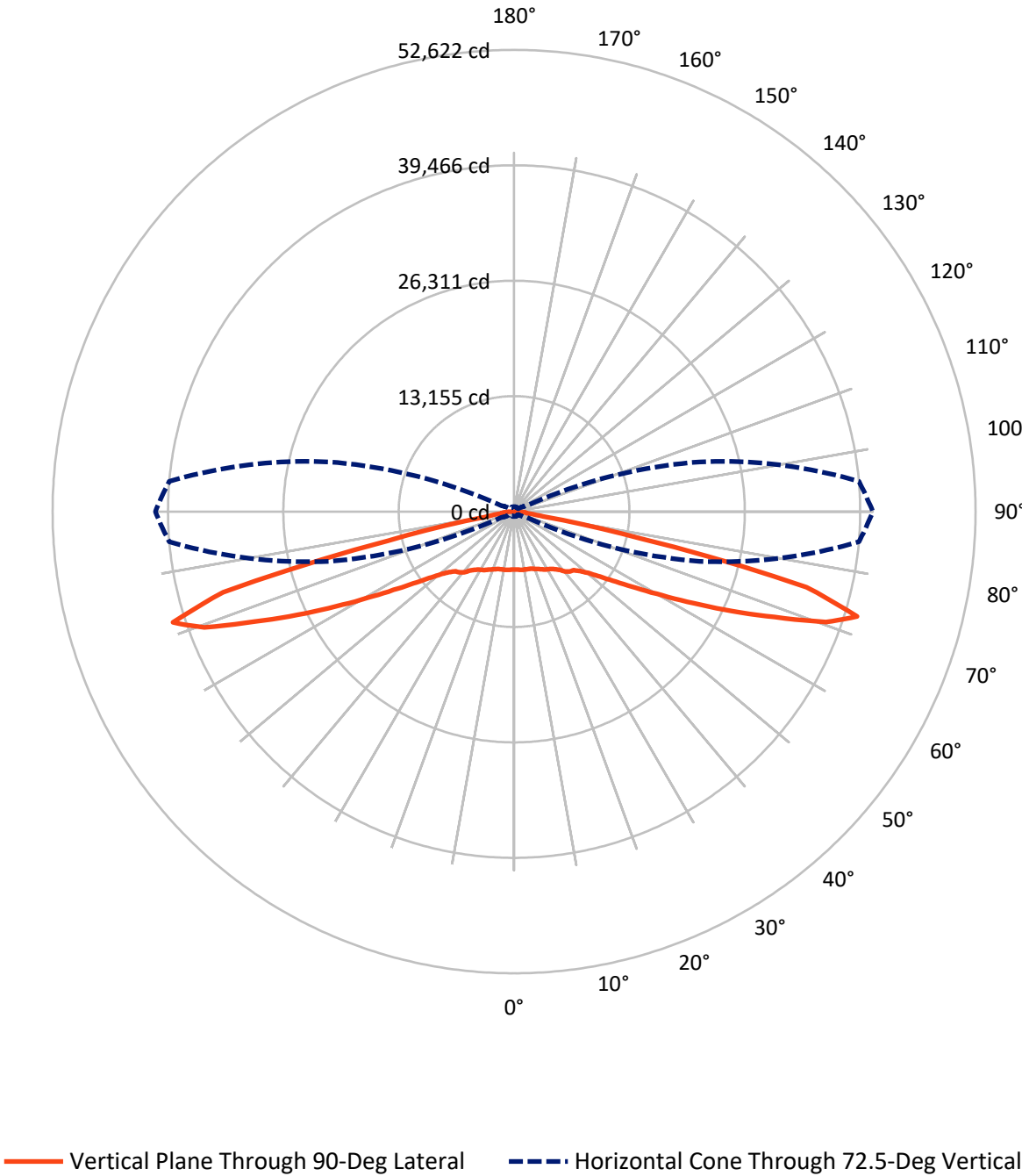


Based on 25 foot mounting height. Maximum calculated value = 10.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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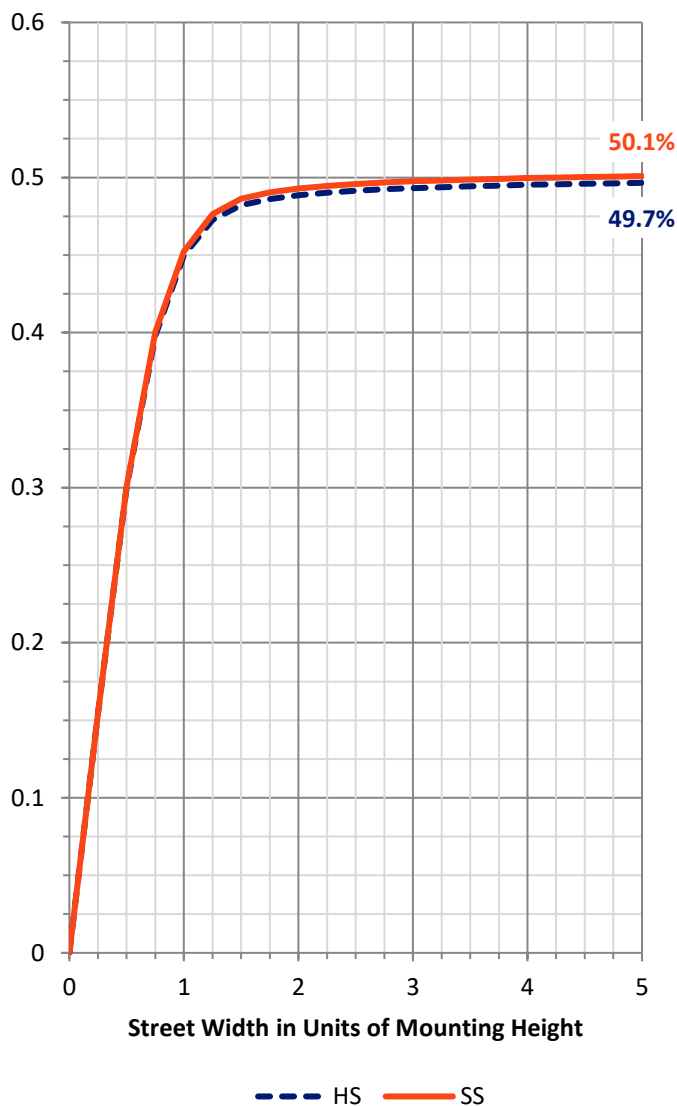
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17687.5  | 0.0    | 17687.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 17687.5  | 0.0    | 17687.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 35375.0  | 0.0    | 35375.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 640.9   | 1.8       |
| 10°-20°   | 1959.7  | 5.5       |
| 20°-30°   | 3267.7  | 9.2       |
| 30°-40°   | 4494.1  | 12.7      |
| 40°-50°   | 5488.5  | 15.5      |
| 50°-60°   | 6348.0  | 17.9      |
| 60°-70°   | 7569.0  | 21.4      |
| 70°-80°   | 5282.6  | 14.9      |
| 80°-90°   | 324.5   | 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°    | 35375.0 | 100.0     |
| 0°-180°   | 35375.0 | 100.0     |

**Coefficient of Utilization**



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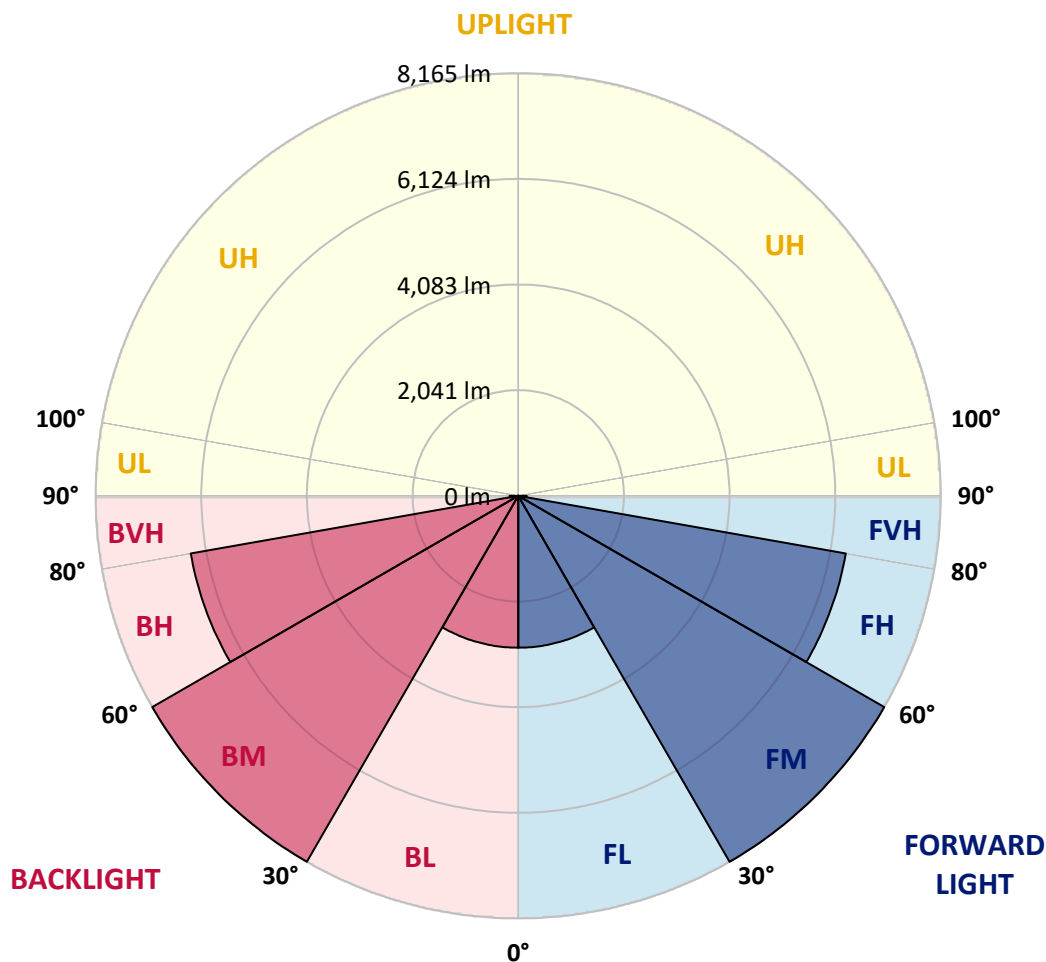
CATALOG NUMBER: GLAN-SB5D-930-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2934.2 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 8165.3 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 6425.8 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 162.2  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2934.2 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8165.3 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 6425.8 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 162.2  | 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°    | 6610.2 | 6610.2 | 6610.2 | 6610.2 | 6610.2 | 6610.2 | 6610.2 | 6610.2  | 6610.2  | 6610.2  |
| 2.5°  | 6615.8 | 6623.4 | 6623.4 | 6617.7 | 6630.9 | 6619.6 | 6619.6 | 6614.0  | 6619.6  | 6614.0  |
| 5°    | 6649.7 | 6659.1 | 6662.8 | 6661.0 | 6677.9 | 6668.5 | 6668.5 | 6661.0  | 6662.8  | 6657.2  |
| 7.5°  | 6713.6 | 6726.8 | 6734.3 | 6743.7 | 6768.1 | 6756.8 | 6749.3 | 6726.8  | 6717.4  | 6702.3  |
| 10°   | 6734.3 | 6749.3 | 6773.8 | 6822.6 | 6879.0 | 6880.9 | 6858.4 | 6802.0  | 6758.7  | 6724.9  |
| 12.5° | 6670.4 | 6691.0 | 6741.8 | 6841.4 | 6967.4 | 7018.2 | 6982.4 | 6888.4  | 6803.8  | 6743.7  |
| 15°   | 6589.5 | 6612.1 | 6689.2 | 6839.6 | 7025.7 | 7144.1 | 7140.4 | 7016.3  | 6880.9  | 6786.9  |
| 17.5° | 6463.5 | 6486.1 | 6597.0 | 6807.6 | 7070.8 | 7266.3 | 7319.0 | 7191.1  | 7001.2  | 6875.3  |
| 20°   | 6236.1 | 6256.7 | 6410.9 | 6706.1 | 7085.8 | 7396.0 | 7533.3 | 7420.5  | 7183.6  | 7012.5  |
| 22.5° | 5940.9 | 5972.9 | 6153.3 | 6531.2 | 7050.1 | 7531.4 | 7777.7 | 7700.6  | 7396.0  | 7159.2  |
| 25°   | 5625.1 | 5658.9 | 5869.5 | 6316.9 | 6958.0 | 7629.2 | 8067.2 | 8018.3  | 7636.7  | 7341.5  |
| 27.5° | 5352.5 | 5388.2 | 5617.5 | 6104.5 | 6815.1 | 7666.8 | 8353.0 | 8377.4  | 7928.1  | 7542.7  |
| 30°   | 5138.1 | 5172.0 | 5416.4 | 5933.4 | 6630.9 | 7629.2 | 8603.0 | 8772.2  | 8225.1  | 7717.5  |
| 32.5° | 4903.1 | 4946.4 | 5203.9 | 5724.7 | 6412.8 | 7538.9 | 8821.1 | 9199.0  | 8569.2  | 7905.5  |
| 35°   | 4606.1 | 4645.6 | 4916.3 | 5438.9 | 6127.0 | 7394.2 | 9003.5 | 9672.8  | 9061.8  | 8191.3  |
| 37.5° | 4245.1 | 4282.7 | 4551.6 | 5081.7 | 5843.1 | 7191.1 | 9142.6 | 10206.7 | 9648.3  | 8603.0  |
| 40°   | 3882.3 | 3918.0 | 4169.9 | 4683.2 | 5502.9 | 6931.7 | 9191.5 | 10729.3 | 10321.4 | 9168.9  |
| 42.5° | 3549.5 | 3581.5 | 3812.7 | 4290.2 | 5121.2 | 6600.8 | 9127.6 | 11184.3 | 10924.9 | 9563.7  |
| 45°   | 3243.1 | 3271.3 | 3476.2 | 3921.7 | 4724.5 | 6198.5 | 8935.8 | 11673.1 | 11643.0 | 9845.7  |
| 47.5° | 2893.4 | 2921.6 | 3134.0 | 3564.5 | 4327.8 | 5726.6 | 8610.5 | 12154.4 | 12641.3 | 10484.9 |
| 50°   | 2466.6 | 2491.0 | 2709.1 | 3152.8 | 3916.1 | 5224.6 | 8159.3 | 12532.3 | 13901.0 | 11453.2 |
| 52.5° | 1960.9 | 1987.2 | 2199.6 | 2643.3 | 3427.3 | 4685.0 | 7565.2 | 12778.6 | 15356.1 | 12866.9 |
| 55°   | 1458.9 | 1477.7 | 1661.9 | 2060.5 | 2821.9 | 4070.3 | 6820.8 | 12848.1 | 17006.8 | 14799.6 |
| 57.5° | 1058.5 | 1069.7 | 1188.2 | 1485.2 | 2139.5 | 3301.3 | 5916.5 | 12667.7 | 18971.4 | 17277.5 |
| 60°   | 857.3  | 861.1  | 896.8  | 1028.4 | 1487.1 | 2432.8 | 4824.2 | 12047.2 | 21103.4 | 20471.7 |
| 62.5° | 778.3  | 778.3  | 787.7  | 823.5  | 1005.8 | 1605.5 | 3502.5 | 10761.3 | 23389.5 | 24508.1 |
| 65°   | 723.8  | 723.8  | 727.6  | 744.5  | 793.4  | 1022.7 | 2210.9 | 8666.9  | 25316.5 | 29236.4 |
| 67.5° | 674.9  | 676.8  | 674.9  | 680.6  | 708.8  | 755.8  | 1282.2 | 5986.0  | 26354.3 | 34135.7 |
| 70°   | 624.2  | 627.9  | 618.5  | 618.5  | 641.1  | 643.0  | 802.8  | 3282.5  | 25493.2 | 38241.7 |
| 72.5° | 564.0  | 569.6  | 554.6  | 550.8  | 567.8  | 560.2  | 603.5  | 1575.5  | 21887.3 | 39467.5 |
| 75°   | 511.4  | 518.9  | 485.0  | 475.6  | 475.6  | 470.0  | 490.7  | 808.4   | 14205.5 | 32195.5 |
| 77.5° | 464.4  | 479.4  | 424.9  | 394.8  | 387.3  | 370.4  | 400.4  | 494.4   | 6213.5  | 15115.5 |
| 80°   | 383.5  | 404.2  | 349.7  | 314.0  | 300.8  | 282.0  | 315.8  | 345.9   | 1848.1  | 3510.0  |
| 82.5° | 285.8  | 295.2  | 248.2  | 223.7  | 212.4  | 199.3  | 236.9  | 240.6   | 601.6   | 1242.7  |
| 85°   | 182.4  | 186.1  | 152.3  | 131.6  | 126.0  | 120.3  | 150.4  | 131.6   | 229.4   | 913.7   |
| 87.5° | 63.9   | 73.3   | 58.3   | 52.6   | 56.4   | 47.0   | 69.6   | 39.5    | 63.9    | 644.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END C

90°

6610.2  
6614.0  
6657.2  
6702.3  
6719.2  
6734.3  
6771.9  
6854.6  
6980.6  
7115.9  
7281.4  
7478.8  
7625.4  
7789.0  
8061.6  
8430.1  
8984.7  
9326.8  
9526.1  
10116.5  
10990.7  
12297.3  
14087.1  
16380.7  
19341.8  
22994.7  
27322.5  
32069.6  
37698.4  
40896.3  
34436.5  
14801.5  
3361.5  
1404.4  
1327.3  
799.0  
0.0

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