

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: P938933

Luminaire Tested: **GLAN-SB1B-750-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938933  
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-SB1B-750-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

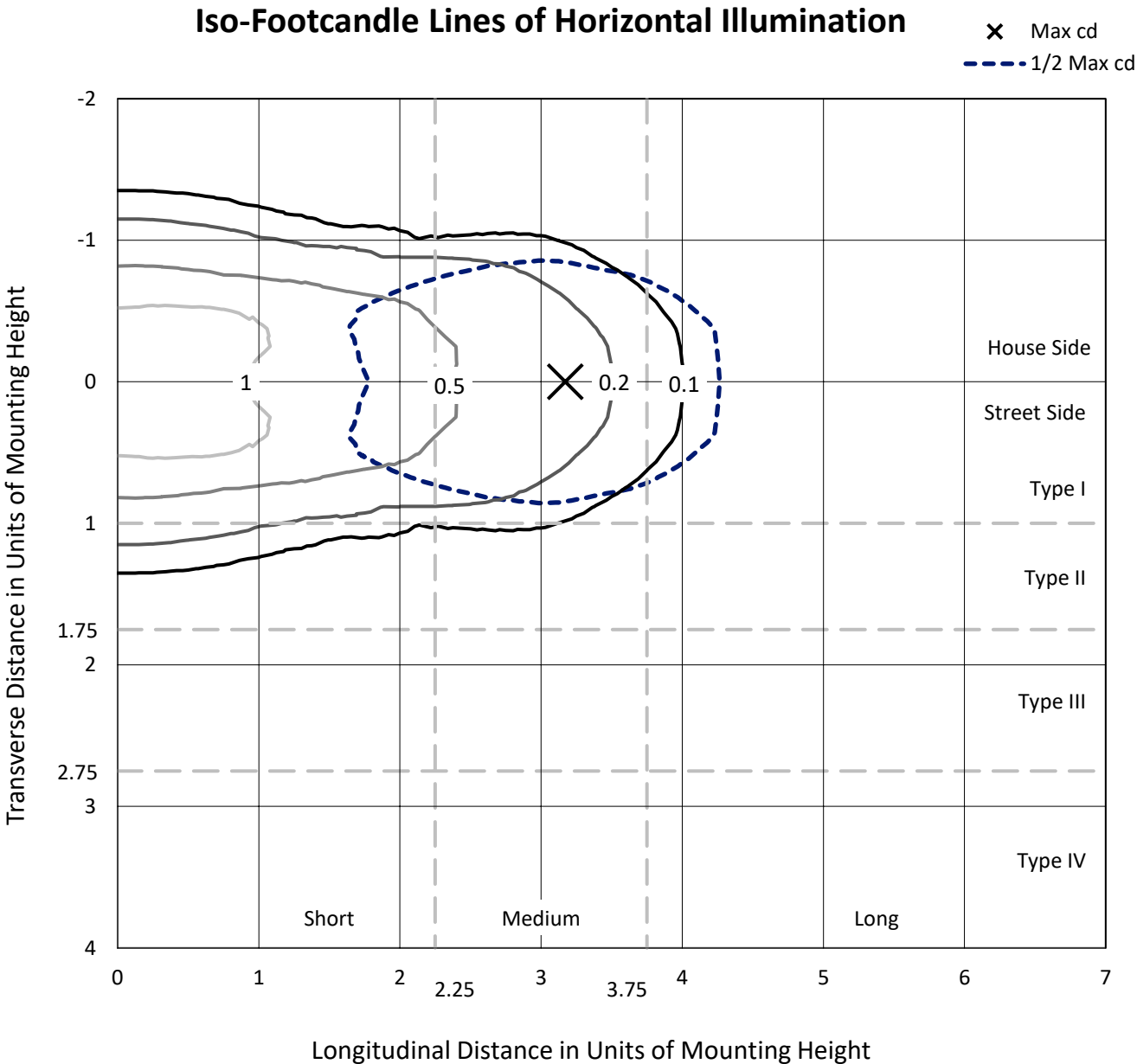
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5895 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 39.8  
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



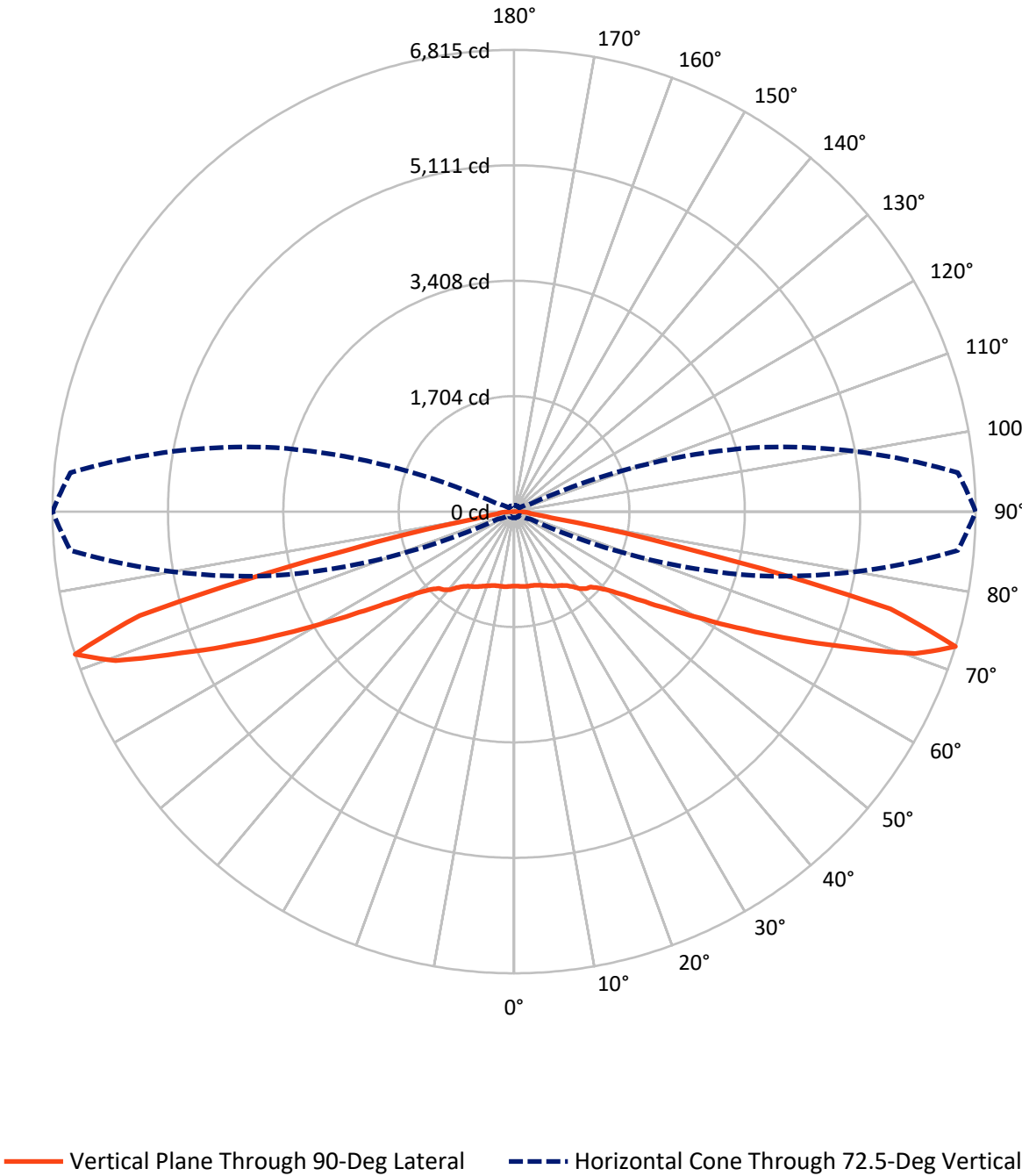
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CATALOG NUMBER: GLAN-SB1B-750-U-T1



Based on 25 foot mounting height. Maximum calculated value = 1.8 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    | 2947.5   | 0.0    | 2947.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2947.5   | 0.0    | 2947.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5895.0   | 0.0    | 5895.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.8  | 1.8       |
| 10°-20°   | 326.6  | 5.5       |
| 20°-30°   | 544.5  | 9.2       |
| 30°-40°   | 748.9  | 12.7      |
| 40°-50°   | 914.6  | 15.5      |
| 50°-60°   | 1057.9 | 17.9      |
| 60°-70°   | 1261.3 | 21.4      |
| 70°-80°   | 880.3  | 14.9      |
| 80°-90°   | 54.1   | 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°    | 5895.0 | 100.0     |
| 0°-180°   | 5895.0 | 100.0     |

**Coefficient of Utilization**



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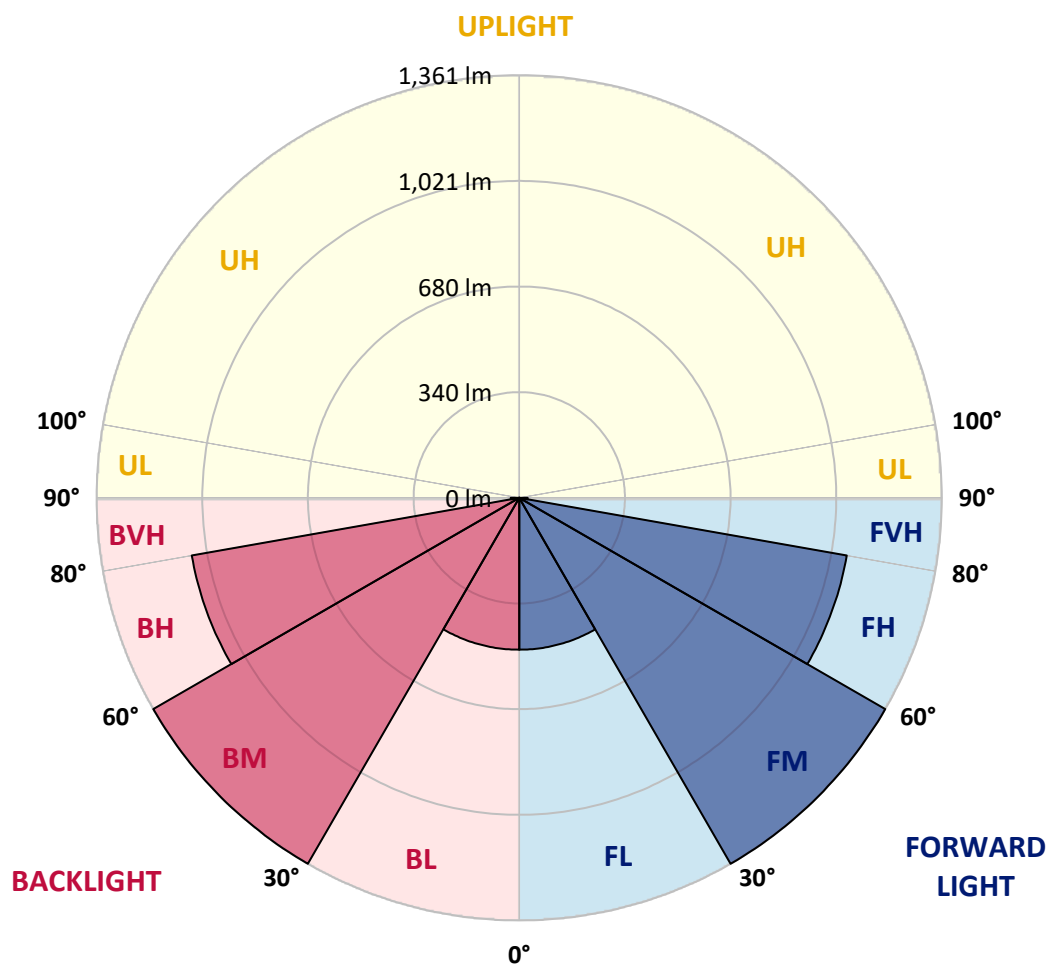
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 489.0  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 1360.7 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1070.8 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 27.0   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 489.0  | 8.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1360.7 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1070.8 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 27.0   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 | 1101.5 |
| 2.5°  | 1102.5 | 1103.7 | 1103.7 | 1102.8 | 1105.0 | 1103.1 | 1103.1 | 1102.2 | 1103.1 | 1102.2 |
| 5°    | 1108.1 | 1109.7 | 1110.3 | 1110.0 | 1112.8 | 1111.3 | 1111.3 | 1110.0 | 1110.3 | 1109.4 |
| 7.5°  | 1118.8 | 1121.0 | 1122.2 | 1123.8 | 1127.9 | 1126.0 | 1124.7 | 1121.0 | 1119.4 | 1116.9 |
| 10°   | 1122.2 | 1124.7 | 1128.8 | 1136.9 | 1146.3 | 1146.7 | 1142.9 | 1133.5 | 1126.3 | 1120.7 |
| 12.5° | 1111.6 | 1115.0 | 1123.5 | 1140.1 | 1161.1 | 1169.5 | 1163.6 | 1147.9 | 1133.8 | 1123.8 |
| 15°   | 1098.1 | 1101.9 | 1114.7 | 1139.8 | 1170.8 | 1190.5 | 1189.9 | 1169.2 | 1146.7 | 1131.0 |
| 17.5° | 1077.1 | 1080.9 | 1099.3 | 1134.4 | 1178.3 | 1210.9 | 1219.7 | 1198.4 | 1166.7 | 1145.7 |
| 20°   | 1039.2 | 1042.6 | 1068.3 | 1117.5 | 1180.8 | 1232.5 | 1255.4 | 1236.6 | 1197.1 | 1168.6 |
| 22.5° | 990.0  | 995.3  | 1025.4 | 1088.4 | 1174.9 | 1255.1 | 1296.1 | 1283.3 | 1232.5 | 1193.0 |
| 25°   | 937.4  | 943.0  | 978.1  | 1052.7 | 1159.5 | 1271.3 | 1344.3 | 1336.2 | 1272.6 | 1223.4 |
| 27.5° | 891.9  | 897.9  | 936.1  | 1017.3 | 1135.7 | 1277.6 | 1392.0 | 1396.0 | 1321.2 | 1256.9 |
| 30°   | 856.2  | 861.9  | 902.6  | 988.8  | 1105.0 | 1271.3 | 1433.6 | 1461.8 | 1370.7 | 1286.1 |
| 32.5° | 817.1  | 824.3  | 867.2  | 954.0  | 1068.6 | 1256.3 | 1470.0 | 1532.9 | 1428.0 | 1317.4 |
| 35°   | 767.6  | 774.2  | 819.3  | 906.4  | 1021.0 | 1232.2 | 1500.4 | 1611.9 | 1510.1 | 1365.0 |
| 37.5° | 707.4  | 713.7  | 758.5  | 846.8  | 973.7  | 1198.4 | 1523.6 | 1700.9 | 1607.8 | 1433.6 |
| 40°   | 647.0  | 652.9  | 694.9  | 780.4  | 917.0  | 1155.1 | 1531.7 | 1788.0 | 1720.0 | 1527.9 |
| 42.5° | 591.5  | 596.8  | 635.4  | 714.9  | 853.4  | 1100.0 | 1521.0 | 1863.8 | 1820.6 | 1593.7 |
| 45°   | 540.4  | 545.1  | 579.3  | 653.5  | 787.3  | 1032.9 | 1489.1 | 1945.2 | 1940.2 | 1640.7 |
| 47.5° | 482.2  | 486.9  | 522.3  | 594.0  | 721.2  | 954.3  | 1434.9 | 2025.4 | 2106.6 | 1747.2 |
| 50°   | 411.0  | 415.1  | 451.5  | 525.4  | 652.6  | 870.6  | 1359.7 | 2088.4 | 2316.5 | 1908.6 |
| 52.5° | 326.8  | 331.2  | 366.6  | 440.5  | 571.1  | 780.7  | 1260.7 | 2129.5 | 2559.0 | 2144.2 |
| 55°   | 243.1  | 246.2  | 277.0  | 343.4  | 470.3  | 678.3  | 1136.6 | 2141.1 | 2834.1 | 2466.3 |
| 57.5° | 176.4  | 178.3  | 198.0  | 247.5  | 356.5  | 550.1  | 985.9  | 2111.0 | 3161.5 | 2879.2 |
| 60°   | 142.9  | 143.5  | 149.4  | 171.4  | 247.8  | 405.4  | 803.9  | 2007.6 | 3516.7 | 3411.5 |
| 62.5° | 129.7  | 129.7  | 131.3  | 137.2  | 167.6  | 267.6  | 583.7  | 1793.3 | 3897.7 | 4084.1 |
| 65°   | 120.6  | 120.6  | 121.2  | 124.1  | 132.2  | 170.4  | 368.4  | 1444.3 | 4218.8 | 4872.0 |
| 67.5° | 112.5  | 112.8  | 112.5  | 113.4  | 118.1  | 125.9  | 213.7  | 997.5  | 4391.8 | 5688.5 |
| 70°   | 104.0  | 104.6  | 103.1  | 103.1  | 106.8  | 107.1  | 133.8  | 547.0  | 4248.3 | 6372.7 |
| 72.5° | 94.0   | 94.9   | 92.4   | 91.8   | 94.6   | 93.4   | 100.6  | 262.5  | 3647.4 | 6577.0 |
| 75°   | 85.2   | 86.5   | 80.8   | 79.3   | 79.3   | 78.3   | 81.8   | 134.7  | 2367.3 | 5365.2 |
| 77.5° | 77.4   | 79.9   | 70.8   | 65.8   | 64.5   | 61.7   | 66.7   | 82.4   | 1035.4 | 2518.9 |
| 80°   | 63.9   | 67.4   | 58.3   | 52.3   | 50.1   | 47.0   | 52.6   | 57.6   | 308.0  | 584.9  |
| 82.5° | 47.6   | 49.2   | 41.4   | 37.3   | 35.4   | 33.2   | 39.5   | 40.1   | 100.3  | 207.1  |
| 85°   | 30.4   | 31.0   | 25.4   | 21.9   | 21.0   | 20.1   | 25.1   | 21.9   | 38.2   | 152.3  |
| 87.5° | 10.7   | 12.2   | 9.7    | 8.8    | 9.4    | 7.8    | 11.6   | 6.6    | 10.7   | 107.5  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

1101.5  
1102.2  
1109.4  
1116.9  
1119.7  
1122.2  
1128.5  
1142.3  
1163.3  
1185.8  
1213.4  
1246.3  
1270.7  
1298.0  
1343.4  
1404.8  
1497.2  
1554.3  
1587.5  
1685.8  
1831.5  
2049.3  
2347.5  
2729.7  
3223.2  
3831.9  
4553.1  
5344.2  
6282.2  
6815.1  
5738.6  
2466.6  
560.2  
234.0  
221.2  
133.2  
0.0

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