

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: P939543

Luminaire Tested: **GLAN-SB2A-940-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939543  
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-SB2A-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

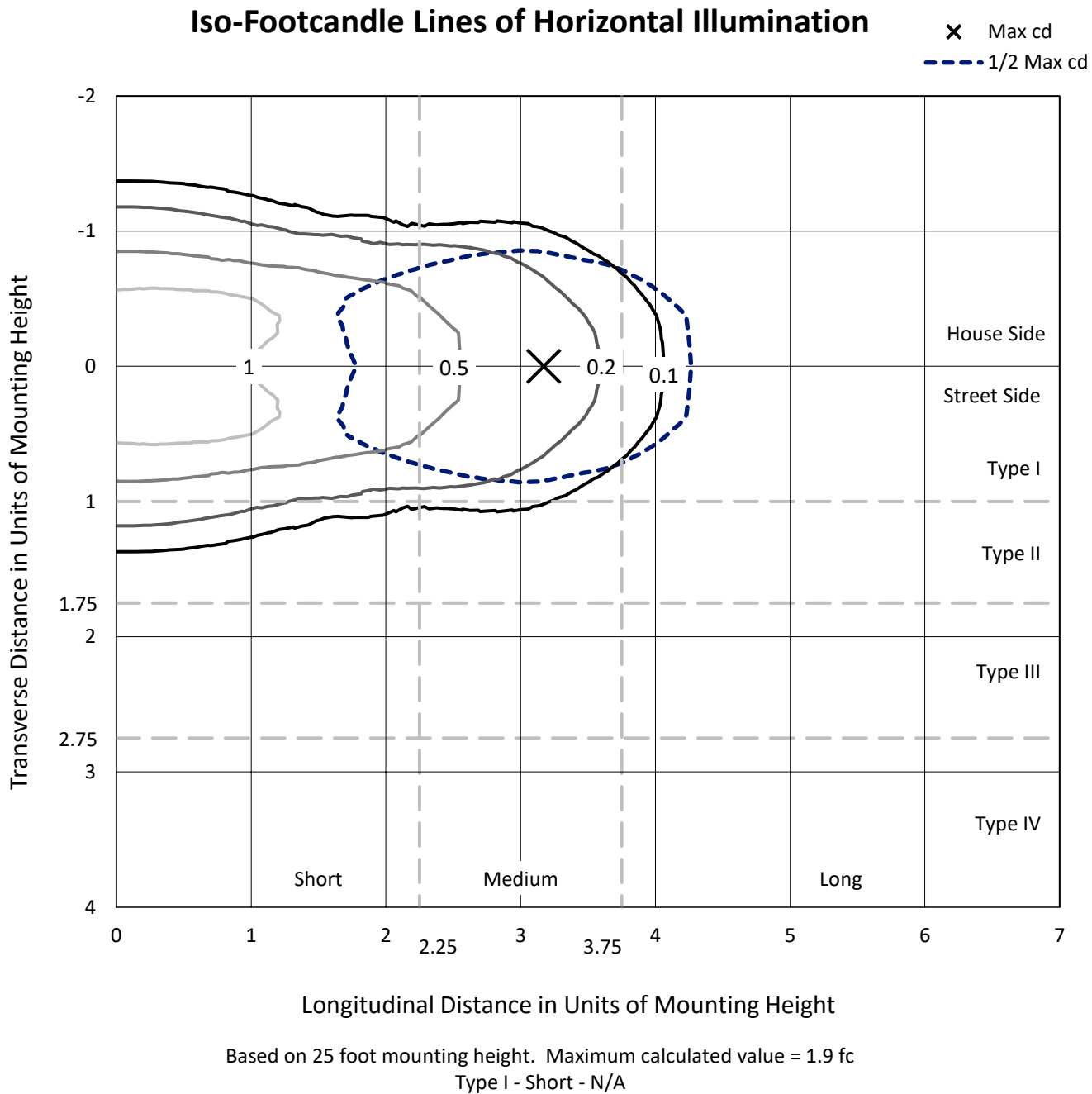
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6431 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

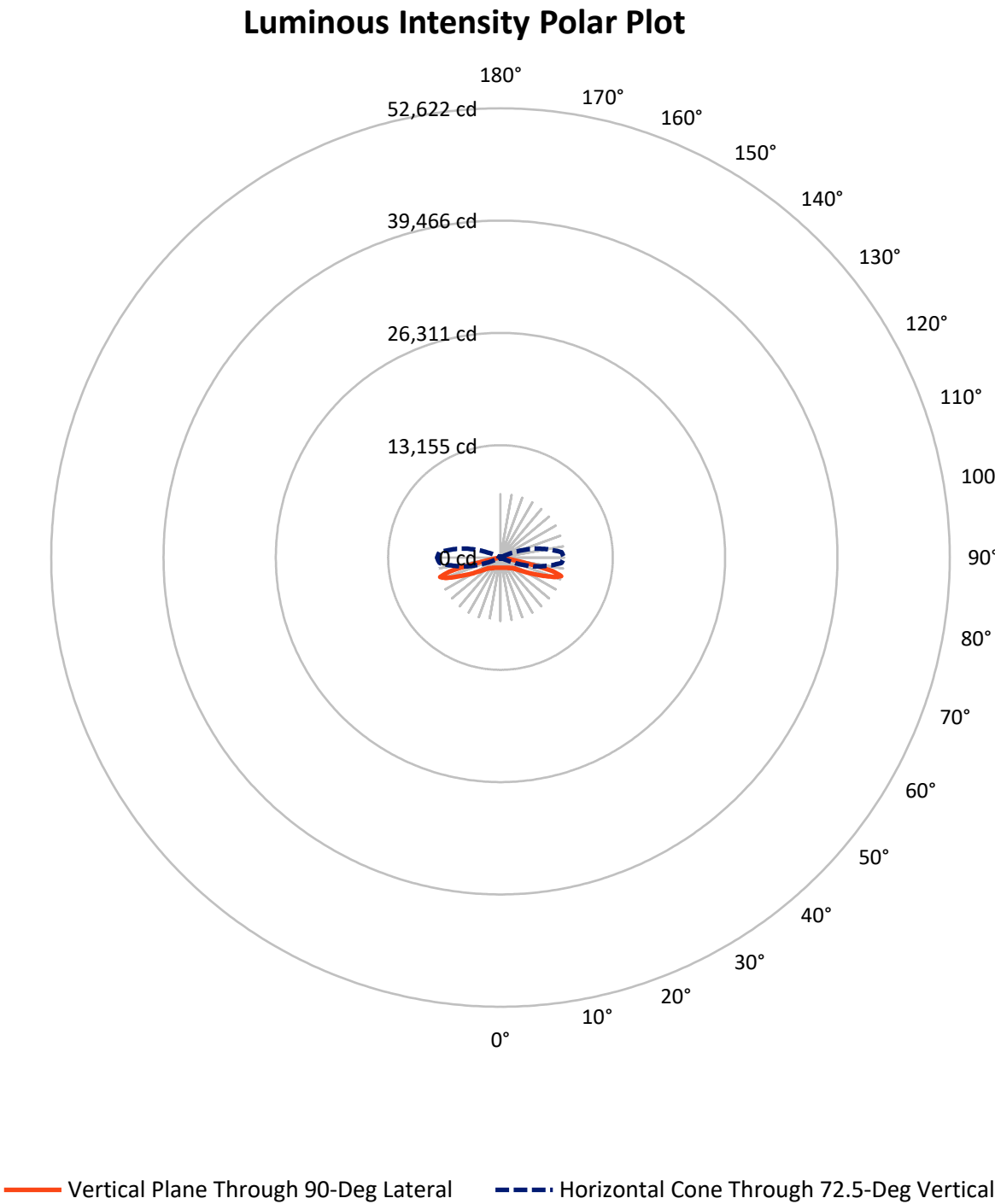
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3215.5   | 0.0    | 3215.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3215.5   | 0.0    | 3215.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6431.0   | 0.0    | 6431.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 116.5  | 1.8       |
| 10°-20°   | 356.3  | 5.5       |
| 20°-30°   | 594.0  | 9.2       |
| 30°-40°   | 817.0  | 12.7      |
| 40°-50°   | 997.8  | 15.5      |
| 50°-60°   | 1154.0 | 17.9      |
| 60°-70°   | 1376.0 | 21.4      |
| 70°-80°   | 960.4  | 14.9      |
| 80°-90°   | 59.0   | 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°    | 6431.0 | 100.0     |
| 0°-180°   | 6431.0 | 100.0     |

**Coefficient of Utilization**



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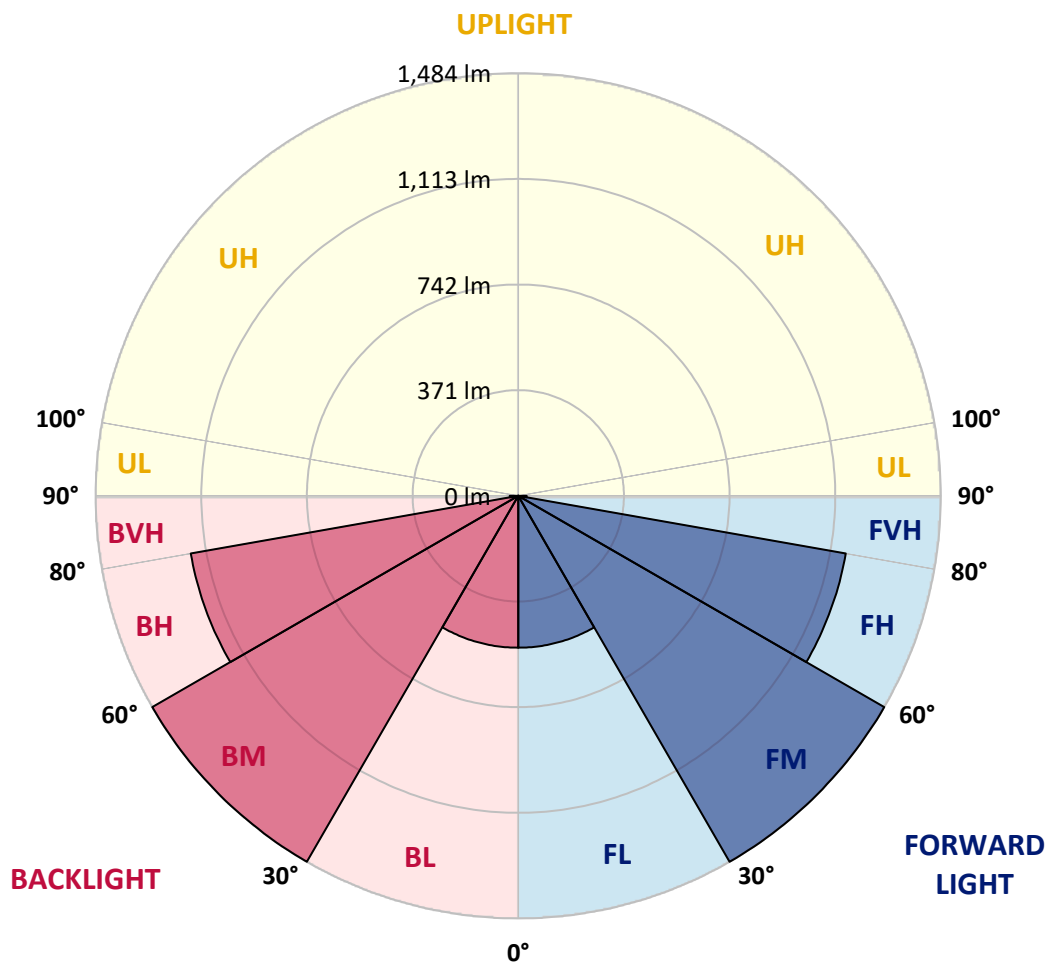
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 533.4  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 1484.4 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1168.2 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 29.5   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 533.4  | 8.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1484.4 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1168.2 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 29.5   | 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°    | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 | 1201.7 |
| 2.5°  | 1202.7 | 1204.1 | 1204.1 | 1203.1 | 1205.5 | 1203.4 | 1203.4 | 1202.4 | 1203.4 | 1202.4 |
| 5°    | 1208.9 | 1210.6 | 1211.3 | 1210.9 | 1214.0 | 1212.3 | 1212.3 | 1210.9 | 1211.3 | 1210.2 |
| 7.5°  | 1220.5 | 1222.9 | 1224.3 | 1226.0 | 1230.4 | 1228.4 | 1227.0 | 1222.9 | 1221.2 | 1218.4 |
| 10°   | 1224.3 | 1227.0 | 1231.4 | 1240.3 | 1250.6 | 1250.9 | 1246.8 | 1236.6 | 1228.7 | 1222.5 |
| 12.5° | 1212.6 | 1216.4 | 1225.6 | 1243.7 | 1266.6 | 1275.9 | 1269.4 | 1252.3 | 1236.9 | 1226.0 |
| 15°   | 1197.9 | 1202.0 | 1216.1 | 1243.4 | 1277.2 | 1298.8 | 1298.1 | 1275.5 | 1250.9 | 1233.8 |
| 17.5° | 1175.0 | 1179.1 | 1199.3 | 1237.6 | 1285.4 | 1321.0 | 1330.6 | 1307.3 | 1272.8 | 1249.9 |
| 20°   | 1133.7 | 1137.4 | 1165.5 | 1219.1 | 1288.2 | 1344.6 | 1369.5 | 1349.0 | 1305.9 | 1274.8 |
| 22.5° | 1080.0 | 1085.8 | 1118.6 | 1187.3 | 1281.7 | 1369.2 | 1413.9 | 1399.9 | 1344.6 | 1301.5 |
| 25°   | 1022.6 | 1028.8 | 1067.0 | 1148.4 | 1264.9 | 1386.9 | 1466.6 | 1457.7 | 1388.3 | 1334.7 |
| 27.5° | 973.0  | 979.5  | 1021.2 | 1109.8 | 1239.0 | 1393.8 | 1518.5 | 1523.0 | 1441.3 | 1371.2 |
| 30°   | 934.1  | 940.2  | 984.7  | 1078.7 | 1205.5 | 1386.9 | 1564.0 | 1594.7 | 1495.3 | 1403.0 |
| 32.5° | 891.4  | 899.2  | 946.0  | 1040.7 | 1165.8 | 1370.5 | 1603.6 | 1672.3 | 1557.8 | 1437.2 |
| 35°   | 837.4  | 844.5  | 893.8  | 988.8  | 1113.9 | 1344.2 | 1636.8 | 1758.5 | 1647.4 | 1489.1 |
| 37.5° | 771.7  | 778.6  | 827.5  | 923.8  | 1062.3 | 1307.3 | 1662.1 | 1855.5 | 1754.0 | 1564.0 |
| 40°   | 705.8  | 712.3  | 758.1  | 851.4  | 1000.4 | 1260.1 | 1671.0 | 1950.5 | 1876.4 | 1666.9 |
| 42.5° | 645.3  | 651.1  | 693.1  | 779.9  | 931.0  | 1200.0 | 1659.3 | 2033.3 | 1986.1 | 1738.6 |
| 45°   | 589.6  | 594.7  | 632.0  | 713.0  | 858.9  | 1126.9 | 1624.5 | 2122.1 | 2116.6 | 1789.9 |
| 47.5° | 526.0  | 531.1  | 569.7  | 648.0  | 786.8  | 1041.1 | 1565.4 | 2209.6 | 2298.1 | 1906.1 |
| 50°   | 448.4  | 452.9  | 492.5  | 573.2  | 711.9  | 949.8  | 1483.3 | 2278.3 | 2527.1 | 2082.1 |
| 52.5° | 356.5  | 361.3  | 399.9  | 480.5  | 623.1  | 851.7  | 1375.3 | 2323.1 | 2791.7 | 2339.1 |
| 55°   | 265.2  | 268.6  | 302.1  | 374.6  | 513.0  | 740.0  | 1240.0 | 2335.7 | 3091.7 | 2690.5 |
| 57.5° | 192.4  | 194.5  | 216.0  | 270.0  | 388.9  | 600.2  | 1075.6 | 2302.9 | 3448.9 | 3141.0 |
| 60°   | 155.9  | 156.5  | 163.0  | 187.0  | 270.3  | 442.3  | 877.0  | 2190.1 | 3836.5 | 3721.6 |
| 62.5° | 141.5  | 141.5  | 143.2  | 149.7  | 182.9  | 291.9  | 636.7  | 1956.4 | 4252.1 | 4455.5 |
| 65°   | 131.6  | 131.6  | 132.3  | 135.3  | 144.2  | 185.9  | 401.9  | 1575.6 | 4602.4 | 5315.0 |
| 67.5° | 122.7  | 123.0  | 122.7  | 123.7  | 128.9  | 137.4  | 233.1  | 1088.2 | 4791.1 | 6205.7 |
| 70°   | 113.5  | 114.2  | 112.4  | 112.4  | 116.5  | 116.9  | 145.9  | 596.7  | 4634.5 | 6952.2 |
| 72.5° | 102.5  | 103.6  | 100.8  | 100.1  | 103.2  | 101.9  | 109.7  | 286.4  | 3979.0 | 7175.0 |
| 75°   | 93.0   | 94.3   | 88.2   | 86.5   | 86.5   | 85.4   | 89.2   | 147.0  | 2582.5 | 5853.0 |
| 77.5° | 84.4   | 87.2   | 77.2   | 71.8   | 70.4   | 67.3   | 72.8   | 89.9   | 1129.6 | 2747.9 |
| 80°   | 69.7   | 73.5   | 63.6   | 57.1   | 54.7   | 51.3   | 57.4   | 62.9   | 336.0  | 638.1  |
| 82.5° | 52.0   | 53.7   | 45.1   | 40.7   | 38.6   | 36.2   | 43.1   | 43.7   | 109.4  | 225.9  |
| 85°   | 33.2   | 33.8   | 27.7   | 23.9   | 22.9   | 21.9   | 27.3   | 23.9   | 41.7   | 166.1  |
| 87.5° | 11.6   | 13.3   | 10.6   | 9.6    | 10.3   | 8.5    | 12.6   | 7.2    | 11.6   | 117.2  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

1201.7  
1202.4  
1210.2  
1218.4  
1221.5  
1224.3  
1231.1  
1246.1  
1269.0  
1293.6  
1323.7  
1359.6  
1386.3  
1416.0  
1465.6  
1532.5  
1633.4  
1695.6  
1731.8  
1839.1  
1998.0  
2235.6  
2561.0  
2977.9  
3516.2  
4180.3  
4967.1  
5830.1  
6853.4  
7434.8  
6260.4  
2690.8  
611.1  
255.3  
241.3  
145.3  
0.0

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