

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: P939553

Luminaire Tested: **GLAN-SB2A-950-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939553  
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-950-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

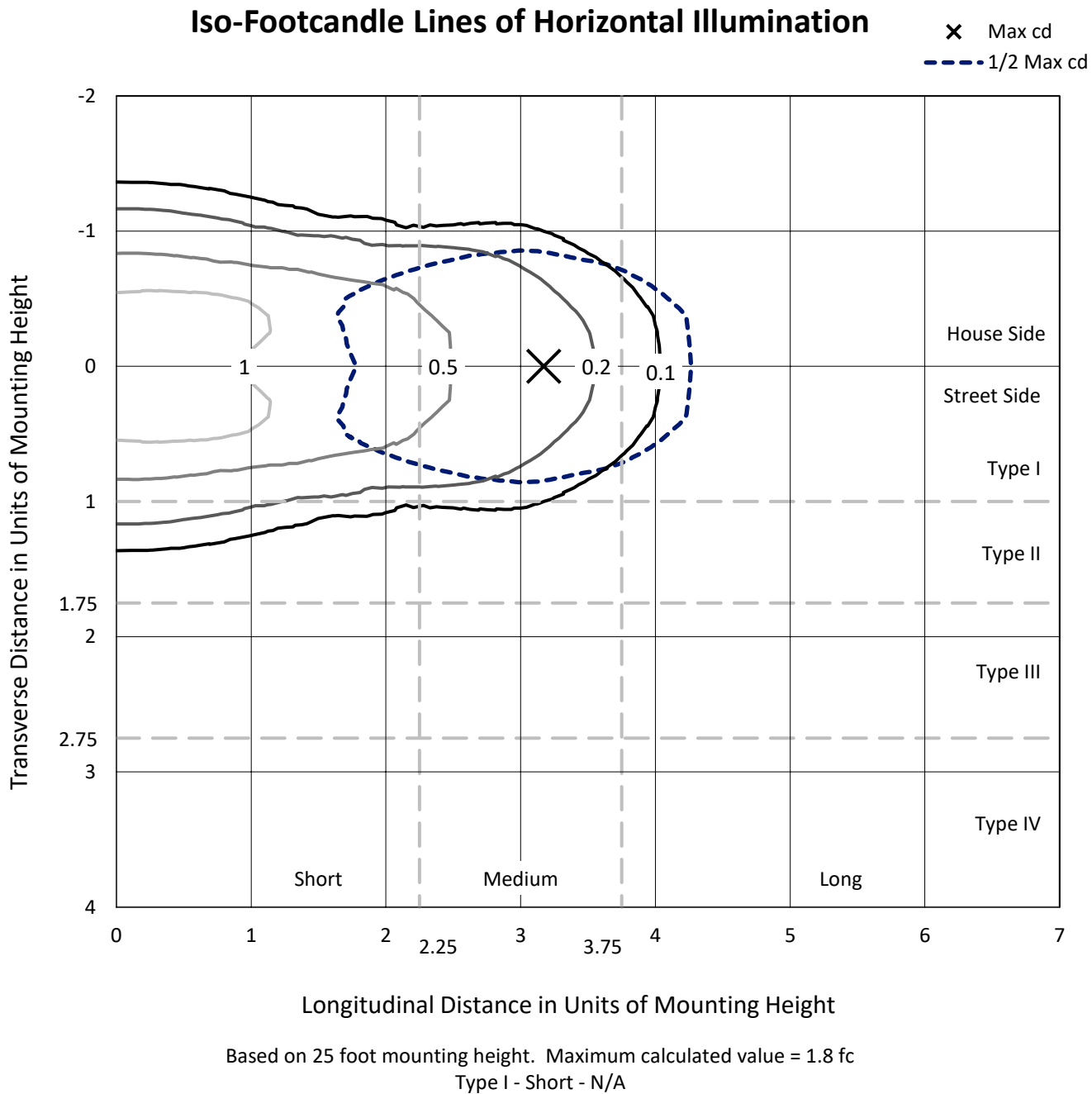
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6174 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

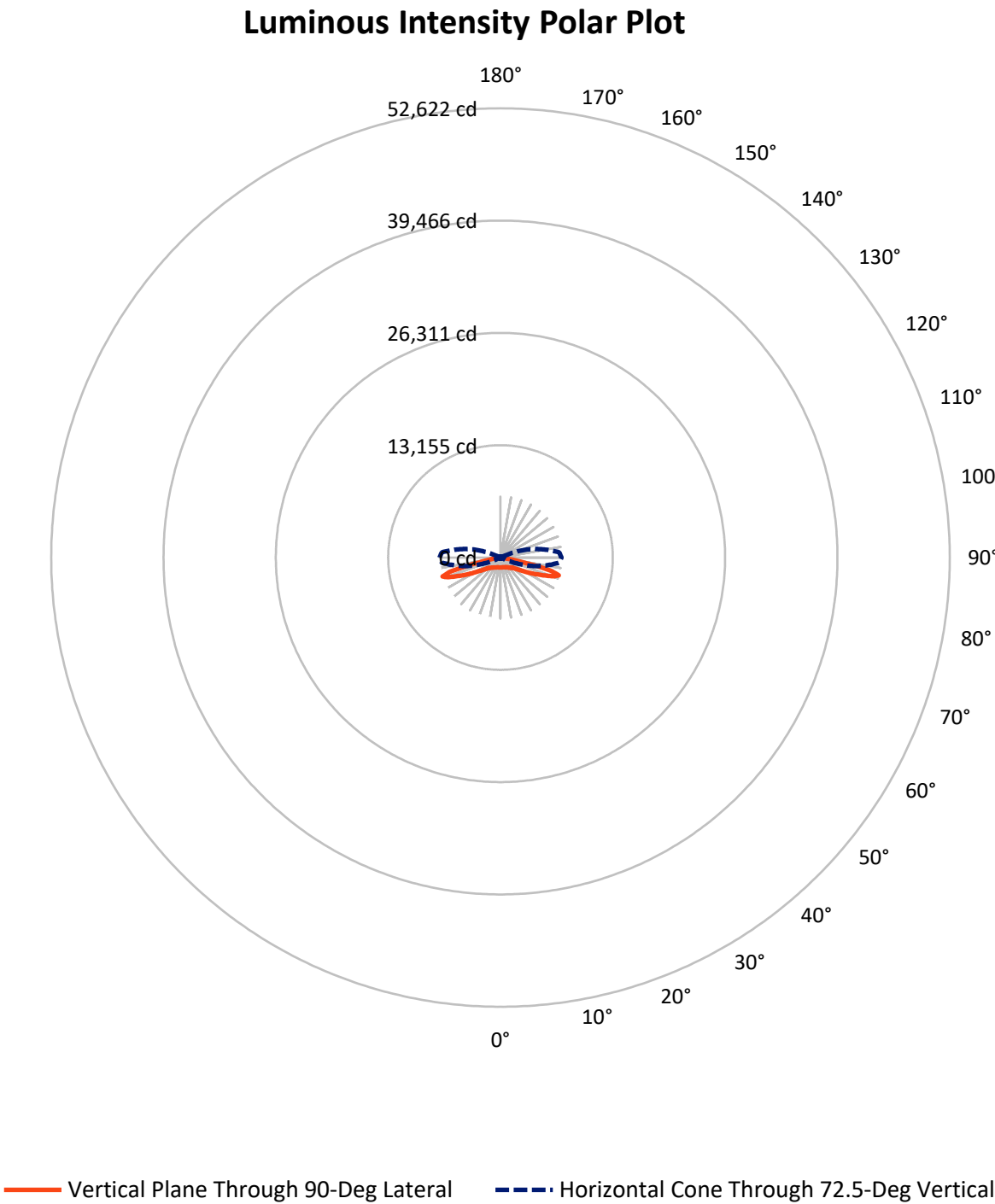
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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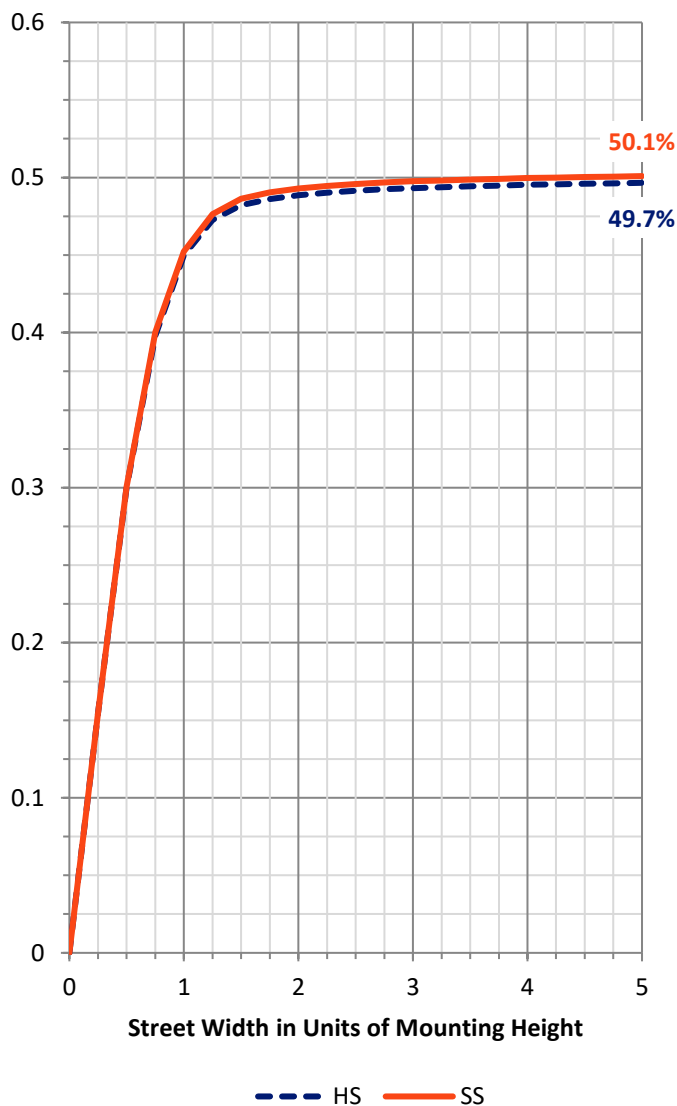
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3087.0   | 0.0    | 3087.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3087.0   | 0.0    | 3087.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6174.0   | 0.0    | 6174.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.9  | 1.8       |
| 10°-20°   | 342.0  | 5.5       |
| 20°-30°   | 570.3  | 9.2       |
| 30°-40°   | 784.4  | 12.7      |
| 40°-50°   | 957.9  | 15.5      |
| 50°-60°   | 1107.9 | 17.9      |
| 60°-70°   | 1321.0 | 21.4      |
| 70°-80°   | 922.0  | 14.9      |
| 80°-90°   | 56.6   | 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°    | 6174.0 | 100.0     |
| 0°-180°   | 6174.0 | 100.0     |

**Coefficient of Utilization**



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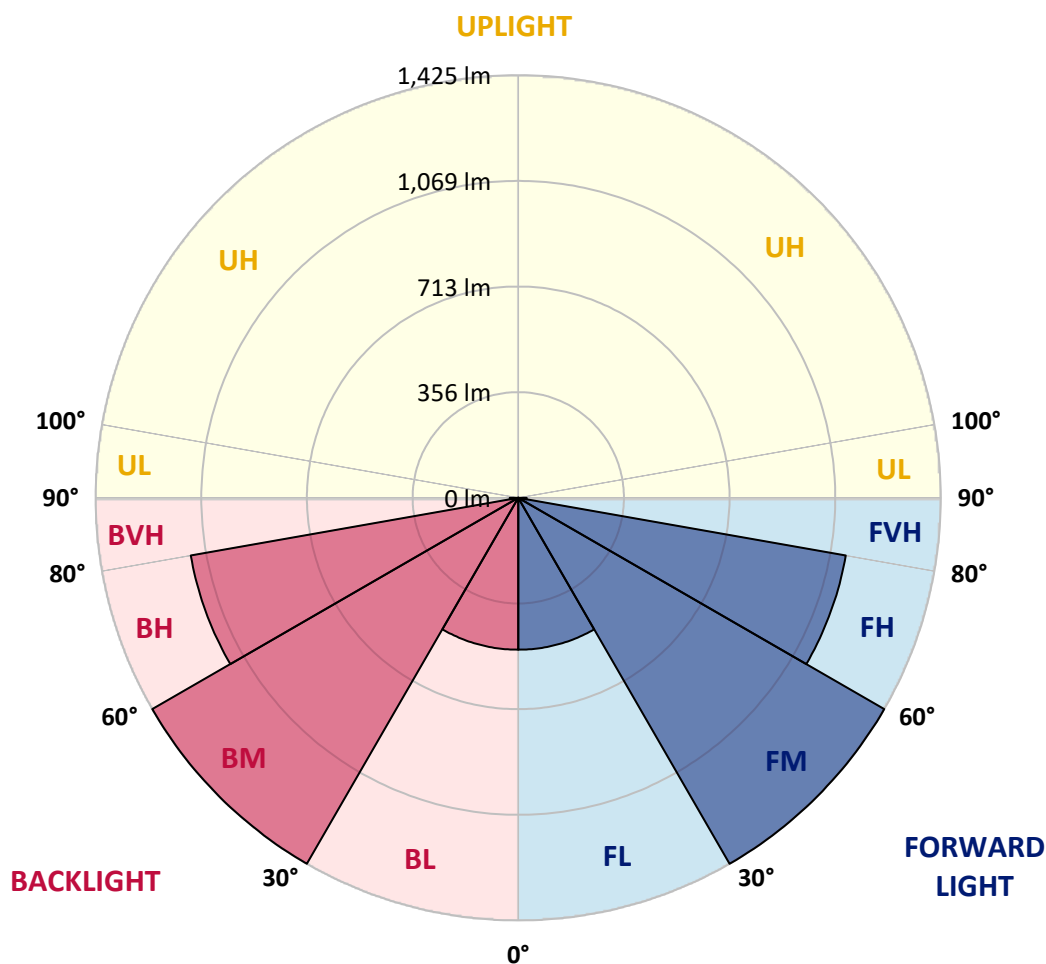
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 512.1  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 1425.1 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1121.5 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 28.3   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 512.1  | 8.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1425.1 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1121.5 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 28.3   | 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°    | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 |
| 2.5°  | 1154.7 | 1156.0 | 1156.0 | 1155.0 | 1157.3 | 1155.3 | 1155.3 | 1154.3 | 1155.3 | 1154.3 |
| 5°    | 1160.6 | 1162.2 | 1162.9 | 1162.5 | 1165.5 | 1163.8 | 1163.8 | 1162.5 | 1162.9 | 1161.9 |
| 7.5°  | 1171.7 | 1174.0 | 1175.3 | 1177.0 | 1181.2 | 1179.3 | 1178.0 | 1174.0 | 1172.4 | 1169.8 |
| 10°   | 1175.3 | 1178.0 | 1182.2 | 1190.8 | 1200.6 | 1200.9 | 1197.0 | 1187.1 | 1179.6 | 1173.7 |
| 12.5° | 1164.2 | 1167.8 | 1176.6 | 1194.0 | 1216.0 | 1224.9 | 1218.6 | 1202.2 | 1187.5 | 1177.0 |
| 15°   | 1150.1 | 1154.0 | 1167.5 | 1193.7 | 1226.2 | 1246.9 | 1246.2 | 1224.6 | 1200.9 | 1184.5 |
| 17.5° | 1128.1 | 1132.0 | 1151.4 | 1188.1 | 1234.1 | 1268.2 | 1277.4 | 1255.1 | 1221.9 | 1199.9 |
| 20°   | 1088.4 | 1092.0 | 1118.9 | 1170.4 | 1236.7 | 1290.8 | 1314.8 | 1295.1 | 1253.8 | 1223.9 |
| 22.5° | 1036.9 | 1042.4 | 1073.9 | 1139.9 | 1230.5 | 1314.5 | 1357.4 | 1344.0 | 1290.8 | 1249.5 |
| 25°   | 981.7  | 987.6  | 1024.4 | 1102.5 | 1214.4 | 1331.5 | 1408.0 | 1399.4 | 1332.8 | 1281.3 |
| 27.5° | 934.2  | 940.4  | 980.4  | 1065.4 | 1189.4 | 1338.1 | 1457.8 | 1462.1 | 1383.7 | 1316.4 |
| 30°   | 896.8  | 902.7  | 945.3  | 1035.6 | 1157.3 | 1331.5 | 1501.5 | 1531.0 | 1435.5 | 1346.9 |
| 32.5° | 855.7  | 863.3  | 908.2  | 999.1  | 1119.2 | 1315.8 | 1539.5 | 1605.5 | 1495.6 | 1379.8 |
| 35°   | 803.9  | 810.8  | 858.0  | 949.3  | 1069.3 | 1290.5 | 1571.4 | 1688.2 | 1581.5 | 1429.6 |
| 37.5° | 740.9  | 747.5  | 794.4  | 886.9  | 1019.8 | 1255.1 | 1595.7 | 1781.4 | 1683.9 | 1501.5 |
| 40°   | 677.6  | 683.8  | 727.8  | 817.4  | 960.4  | 1209.8 | 1604.2 | 1872.6 | 1801.4 | 1600.3 |
| 42.5° | 619.5  | 625.1  | 665.4  | 748.8  | 893.8  | 1152.0 | 1593.0 | 1952.0 | 1906.7 | 1669.2 |
| 45°   | 566.0  | 570.9  | 606.7  | 684.5  | 824.6  | 1081.8 | 1559.6 | 2037.3 | 2032.1 | 1718.4 |
| 47.5° | 505.0  | 509.9  | 547.0  | 622.1  | 755.3  | 999.5  | 1502.8 | 2121.3 | 2206.3 | 1829.9 |
| 50°   | 430.5  | 434.8  | 472.8  | 550.3  | 683.5  | 911.9  | 1424.0 | 2187.3 | 2426.1 | 1998.9 |
| 52.5° | 342.2  | 346.8  | 383.9  | 461.3  | 598.2  | 817.7  | 1320.4 | 2230.2 | 2680.1 | 2245.7 |
| 55°   | 254.6  | 257.9  | 290.1  | 359.6  | 492.5  | 710.4  | 1190.4 | 2242.4 | 2968.2 | 2583.0 |
| 57.5° | 184.7  | 186.7  | 207.4  | 259.2  | 373.4  | 576.2  | 1032.6 | 2210.9 | 3311.1 | 3015.4 |
| 60°   | 149.6  | 150.3  | 156.5  | 179.5  | 259.5  | 424.6  | 842.0  | 2102.6 | 3683.2 | 3572.9 |
| 62.5° | 135.8  | 135.8  | 137.5  | 143.7  | 175.5  | 280.2  | 611.3  | 1878.2 | 4082.2 | 4277.4 |
| 65°   | 126.3  | 126.3  | 127.0  | 129.9  | 138.5  | 178.5  | 385.9  | 1512.6 | 4418.5 | 5102.6 |
| 67.5° | 117.8  | 118.1  | 117.8  | 118.8  | 123.7  | 131.9  | 223.8  | 1044.7 | 4599.6 | 5957.7 |
| 70°   | 108.9  | 109.6  | 108.0  | 108.0  | 111.9  | 112.2  | 140.1  | 572.9  | 4449.3 | 6674.3 |
| 72.5° | 98.4   | 99.4   | 96.8   | 96.1   | 99.1   | 97.8   | 105.3  | 275.0  | 3820.0 | 6888.3 |
| 75°   | 89.2   | 90.6   | 84.7   | 83.0   | 83.0   | 82.0   | 85.6   | 141.1  | 2479.3 | 5619.1 |
| 77.5° | 81.0   | 83.7   | 74.2   | 68.9   | 67.6   | 64.6   | 69.9   | 86.3   | 1084.4 | 2638.1 |
| 80°   | 66.9   | 70.5   | 61.0   | 54.8   | 52.5   | 49.2   | 55.1   | 60.4   | 322.5  | 612.6  |
| 82.5° | 49.9   | 51.5   | 43.3   | 39.0   | 37.1   | 34.8   | 41.3   | 42.0   | 105.0  | 216.9  |
| 85°   | 31.8   | 32.5   | 26.6   | 23.0   | 22.0   | 21.0   | 26.2   | 23.0   | 40.0   | 159.5  |
| 87.5° | 11.2   | 12.8   | 10.2   | 9.2    | 9.8    | 8.2    | 12.1   | 6.9    | 11.2   | 112.5  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

1153.7  
1154.3  
1161.9  
1169.8  
1172.7  
1175.3  
1181.9  
1196.3  
1218.3  
1241.9  
1270.8  
1305.3  
1330.9  
1359.4  
1407.0  
1471.3  
1568.1  
1627.8  
1662.6  
1765.6  
1918.2  
2146.2  
2458.6  
2858.9  
3375.7  
4013.3  
4768.6  
5597.1  
6579.5  
7137.6  
6010.2  
2583.3  
586.7  
245.1  
231.7  
139.5  
0.0

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