

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: P939173

Luminaire Tested: **GLAN-SB1C-927-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939173  
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-SB1C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

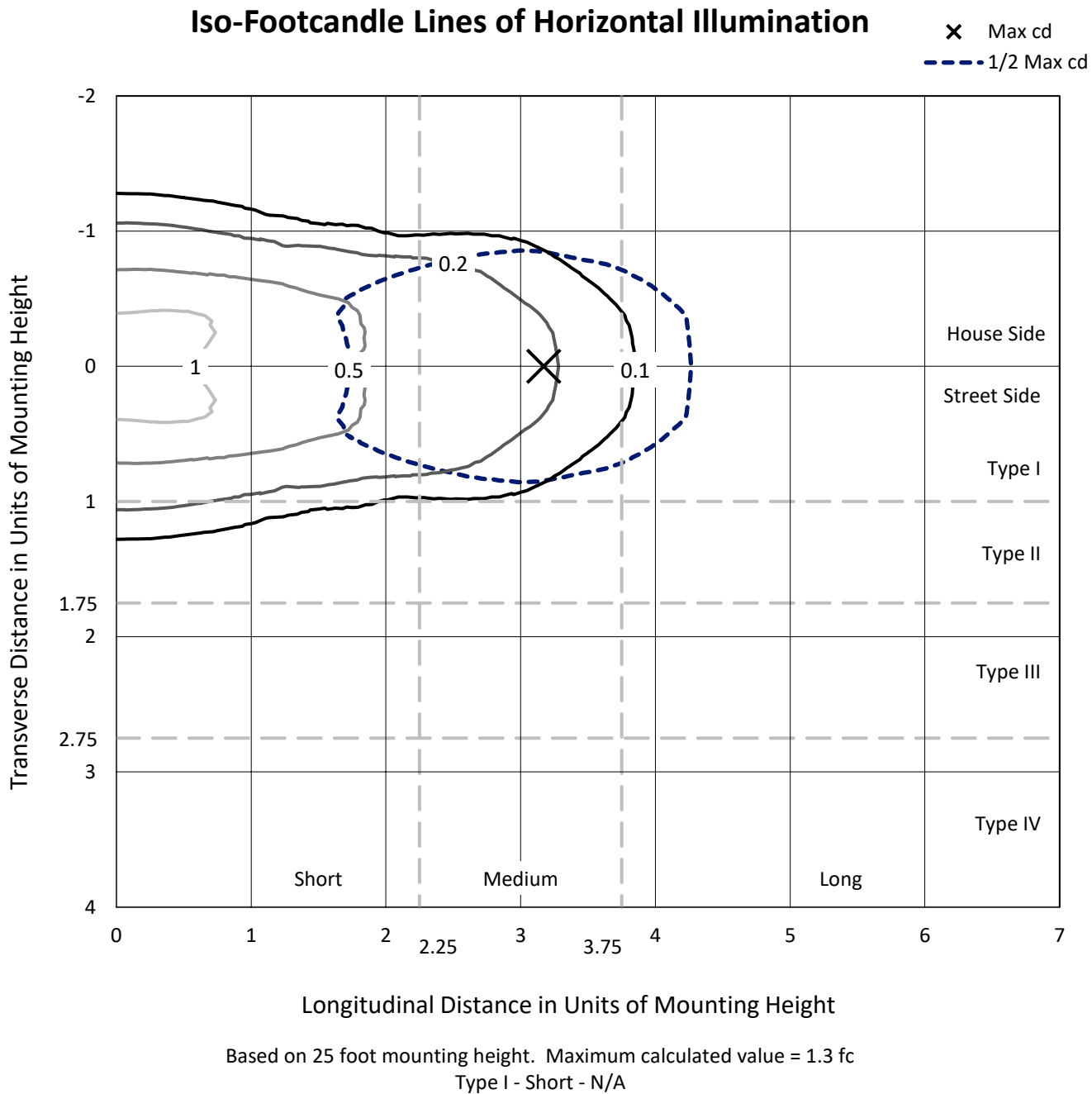
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4511 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

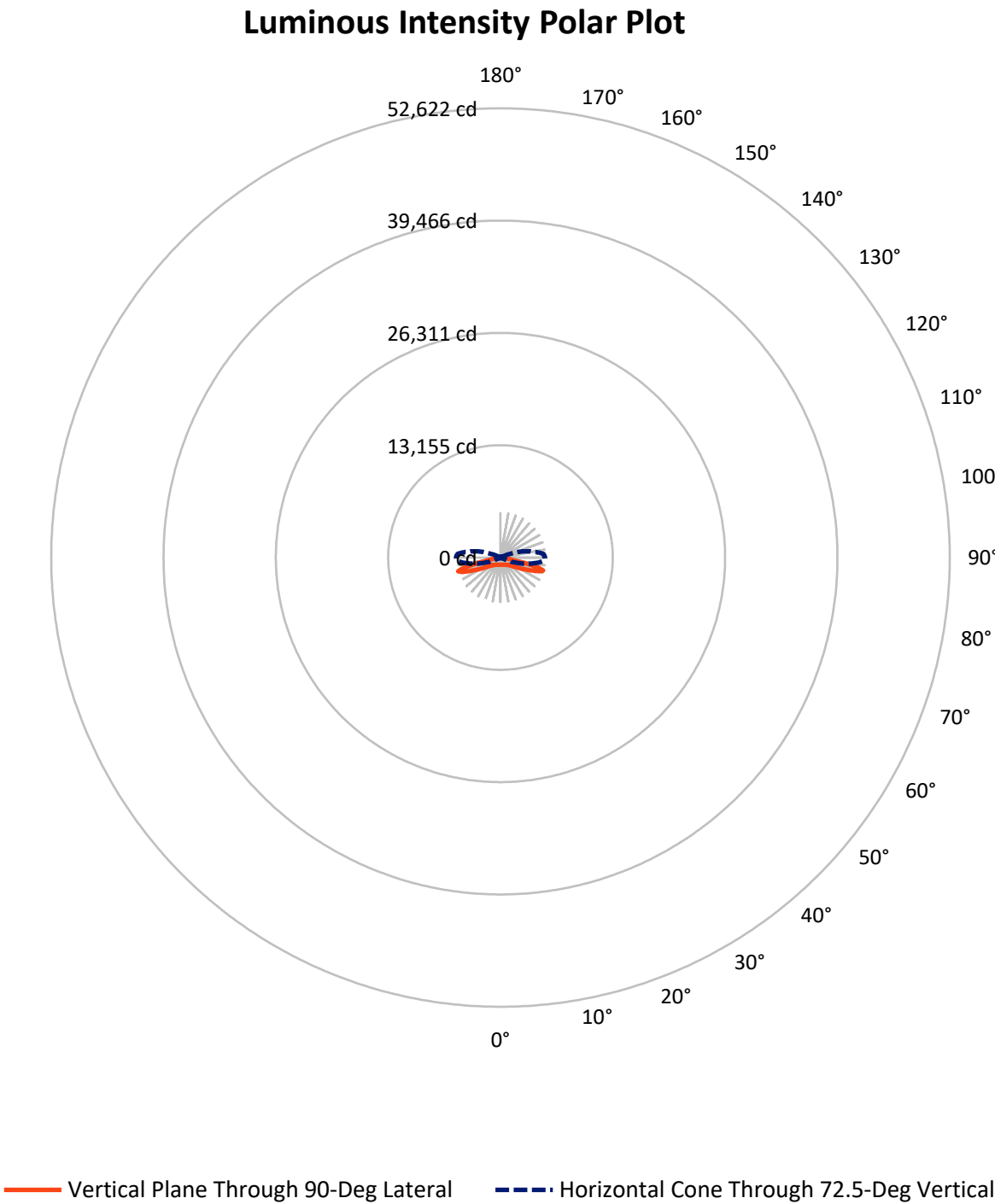
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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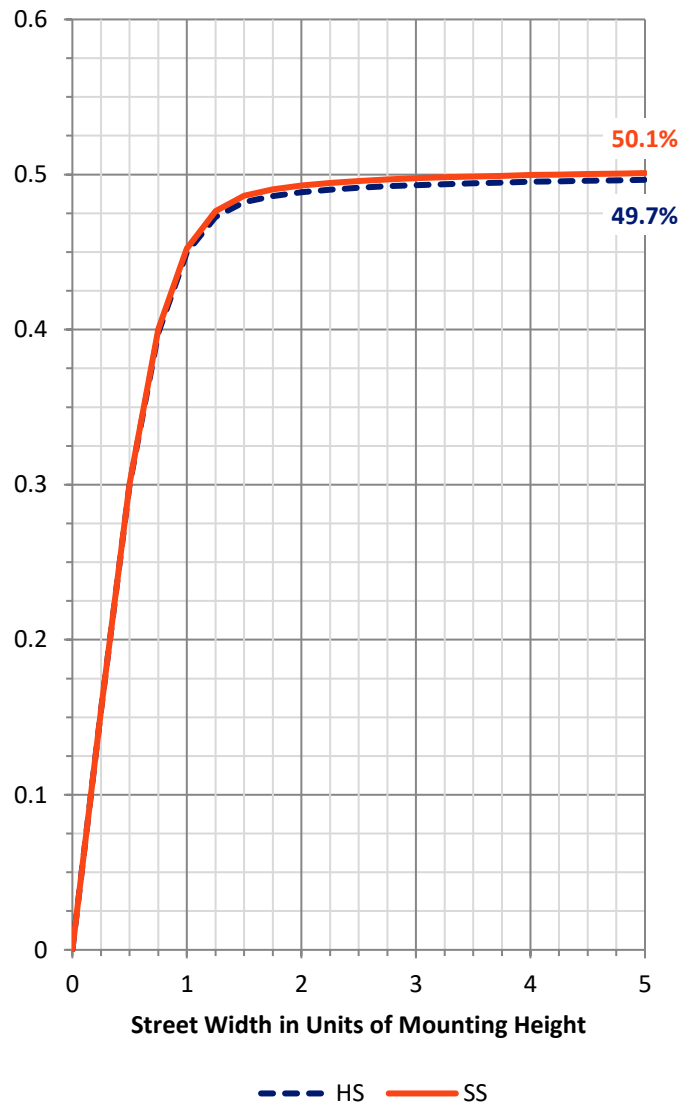
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2255.5   | 0.0    | 2255.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2255.5   | 0.0    | 2255.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4511.0   | 0.0    | 4511.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.7   | 1.8       |
| 10°-20°   | 249.9  | 5.5       |
| 20°-30°   | 416.7  | 9.2       |
| 30°-40°   | 573.1  | 12.7      |
| 40°-50°   | 699.9  | 15.5      |
| 50°-60°   | 809.5  | 17.9      |
| 60°-70°   | 965.2  | 21.4      |
| 70°-80°   | 673.6  | 14.9      |
| 80°-90°   | 41.4   | 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°    | 4511.0 | 100.0     |
| 0°-180°   | 4511.0 | 100.0     |

**Coefficient of Utilization**



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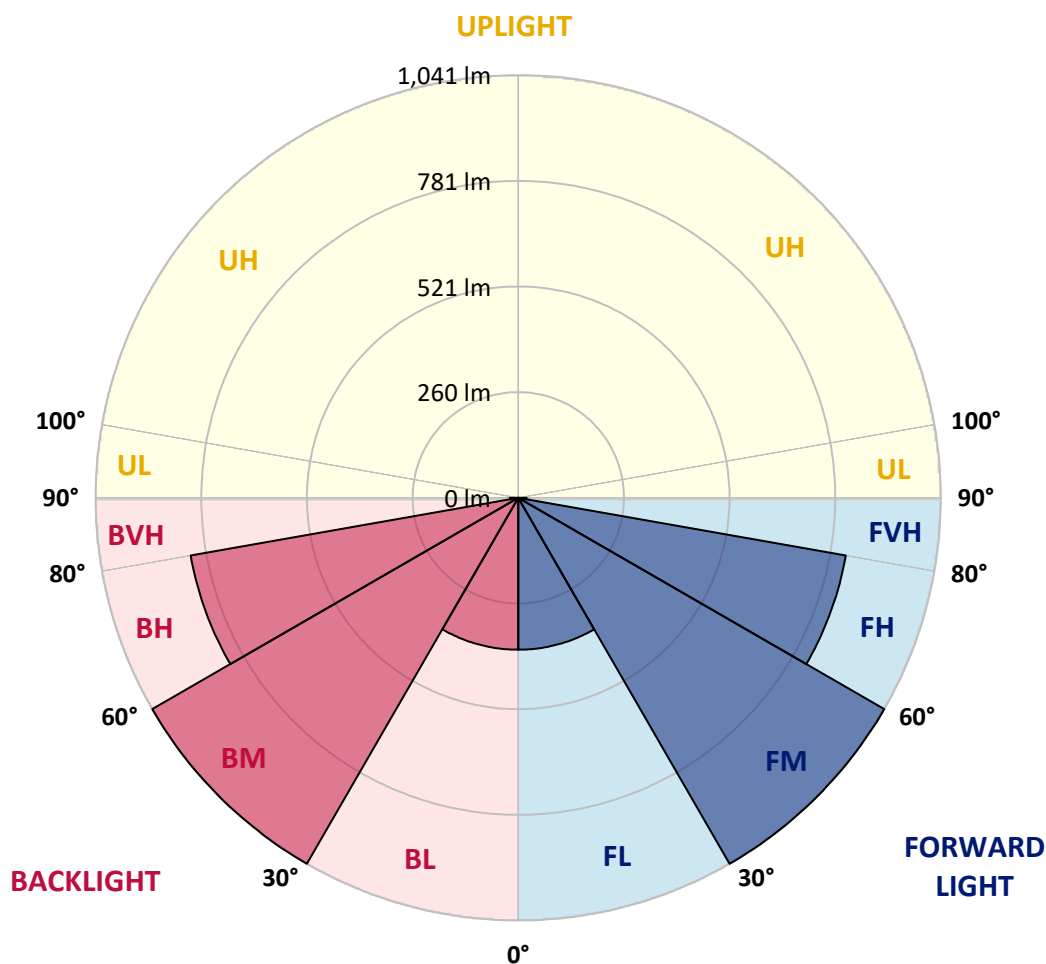
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 374.2  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 1041.2 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 819.4  | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 20.7   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 374.2  | 8.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1041.2 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 819.4  | 18.2      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.7   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°    | 65°    | 75°    | 85°    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 842.9 | 842.9 | 842.9 | 842.9 | 842.9 | 842.9 | 842.9  | 842.9  | 842.9  | 842.9  |
| 2.5°  | 843.6 | 844.6 | 844.6 | 843.9 | 845.6 | 844.1 | 844.1  | 843.4  | 844.1  | 843.4  |
| 5°    | 848.0 | 849.2 | 849.6 | 849.4 | 851.6 | 850.4 | 850.4  | 849.4  | 849.6  | 848.9  |
| 7.5°  | 856.1 | 857.8 | 858.8 | 859.9 | 863.1 | 861.6 | 860.7  | 857.8  | 856.6  | 854.7  |
| 10°   | 858.8 | 860.7 | 863.8 | 870.0 | 877.2 | 877.5 | 874.6  | 867.4  | 861.9  | 857.6  |
| 12.5° | 850.6 | 853.2 | 859.7 | 872.4 | 888.5 | 895.0 | 890.4  | 878.4  | 867.6  | 859.9  |
| 15°   | 840.3 | 843.2 | 853.0 | 872.2 | 895.9 | 911.0 | 910.5  | 894.7  | 877.5  | 865.5  |
| 17.5° | 824.2 | 827.1 | 841.2 | 868.1 | 901.7 | 926.6 | 933.3  | 917.0  | 892.8  | 876.7  |
| 20°   | 795.2 | 797.9 | 817.5 | 855.2 | 903.6 | 943.1 | 960.6  | 946.3  | 916.0  | 894.2  |
| 22.5° | 757.6 | 761.7 | 784.7 | 832.9 | 899.0 | 960.4 | 991.8  | 982.0  | 943.1  | 912.9  |
| 25°   | 717.3 | 721.6 | 748.5 | 805.5 | 887.3 | 972.9 | 1028.7 | 1022.5 | 973.8  | 936.2  |
| 27.5° | 682.5 | 687.1 | 716.3 | 778.4 | 869.1 | 977.7 | 1065.2 | 1068.3 | 1011.0 | 961.8  |
| 30°   | 655.2 | 659.5 | 690.7 | 756.6 | 845.6 | 972.9 | 1097.1 | 1118.6 | 1048.9 | 984.1  |
| 32.5° | 625.2 | 630.8 | 663.6 | 730.0 | 817.8 | 961.4 | 1124.9 | 1173.1 | 1092.7 | 1008.1 |
| 35°   | 587.4 | 592.4 | 626.9 | 693.6 | 781.3 | 942.9 | 1148.1 | 1233.5 | 1155.5 | 1044.5 |
| 37.5° | 541.3 | 546.1 | 580.4 | 648.0 | 745.1 | 917.0 | 1165.9 | 1301.6 | 1230.3 | 1097.1 |
| 40°   | 495.1 | 499.6 | 531.7 | 597.2 | 701.7 | 883.9 | 1172.1 | 1368.2 | 1316.2 | 1169.2 |
| 42.5° | 452.6 | 456.7 | 486.2 | 547.1 | 653.1 | 841.7 | 1163.9 | 1426.2 | 1393.1 | 1219.6 |
| 45°   | 413.6 | 417.1 | 443.3 | 500.1 | 602.5 | 790.4 | 1139.5 | 1488.5 | 1484.7 | 1255.5 |
| 47.5° | 369.0 | 372.6 | 399.6 | 454.5 | 551.9 | 730.2 | 1098.0 | 1549.9 | 1612.0 | 1337.0 |
| 50°   | 314.5 | 317.7 | 345.5 | 402.0 | 499.4 | 666.2 | 1040.5 | 1598.1 | 1772.6 | 1460.5 |
| 52.5° | 250.0 | 253.4 | 280.5 | 337.1 | 437.0 | 597.4 | 964.7  | 1629.5 | 1958.2 | 1640.8 |
| 55°   | 186.0 | 188.4 | 211.9 | 262.8 | 359.9 | 519.0 | 869.8  | 1638.4 | 2168.7 | 1887.2 |
| 57.5° | 135.0 | 136.4 | 151.5 | 189.4 | 272.8 | 421.0 | 754.5  | 1615.4 | 2419.2 | 2203.2 |
| 60°   | 109.3 | 109.8 | 114.4 | 131.1 | 189.6 | 310.2 | 615.2  | 1536.3 | 2691.1 | 2610.5 |
| 62.5° | 99.3  | 99.3  | 100.5 | 105.0 | 128.3 | 204.7 | 446.6  | 1372.3 | 2982.6 | 3125.3 |
| 65°   | 92.3  | 92.3  | 92.8  | 94.9  | 101.2 | 130.4 | 281.9  | 1105.2 | 3228.3 | 3728.2 |
| 67.5° | 86.1  | 86.3  | 86.1  | 86.8  | 90.4  | 96.4  | 163.5  | 763.3  | 3360.7 | 4353.0 |
| 70°   | 79.6  | 80.1  | 78.9  | 78.9  | 81.8  | 82.0  | 102.4  | 418.6  | 3250.9 | 4876.6 |
| 72.5° | 71.9  | 72.6  | 70.7  | 70.2  | 72.4  | 71.4  | 77.0   | 200.9  | 2791.1 | 5032.9 |
| 75°   | 65.2  | 66.2  | 61.9  | 60.7  | 60.7  | 59.9  | 62.6   | 103.1  | 1811.5 | 4105.6 |
| 77.5° | 59.2  | 61.1  | 54.2  | 50.3  | 49.4  | 47.2  | 51.1   | 63.1   | 792.3  | 1927.5 |
| 80°   | 48.9  | 51.5  | 44.6  | 40.0  | 38.4  | 36.0  | 40.3   | 44.1   | 235.7  | 447.6  |
| 82.5° | 36.4  | 37.6  | 31.6  | 28.5  | 27.1  | 25.4  | 30.2   | 30.7   | 76.7   | 158.5  |
| 85°   | 23.3  | 23.7  | 19.4  | 16.8  | 16.1  | 15.3  | 19.2   | 16.8   | 29.2   | 116.5  |
| 87.5° | 8.2   | 9.3   | 7.4   | 6.7   | 7.2   | 6.0   | 8.9    | 5.0    | 8.2    | 82.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

842.9  
843.4  
848.9  
854.7  
856.8  
858.8  
863.5  
874.1  
890.2  
907.4  
928.5  
953.7  
972.4  
993.2  
1028.0  
1075.0  
1145.7  
1189.4  
1214.8  
1290.0  
1401.5  
1568.1  
1796.4  
2088.9  
2466.5  
2932.3  
3484.2  
4089.5  
4807.3  
5215.1  
4391.3  
1887.5  
428.7  
179.1  
169.3  
101.9  
0.0