

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: P946157

Luminaire Tested: **GLAN-SB1D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6380 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

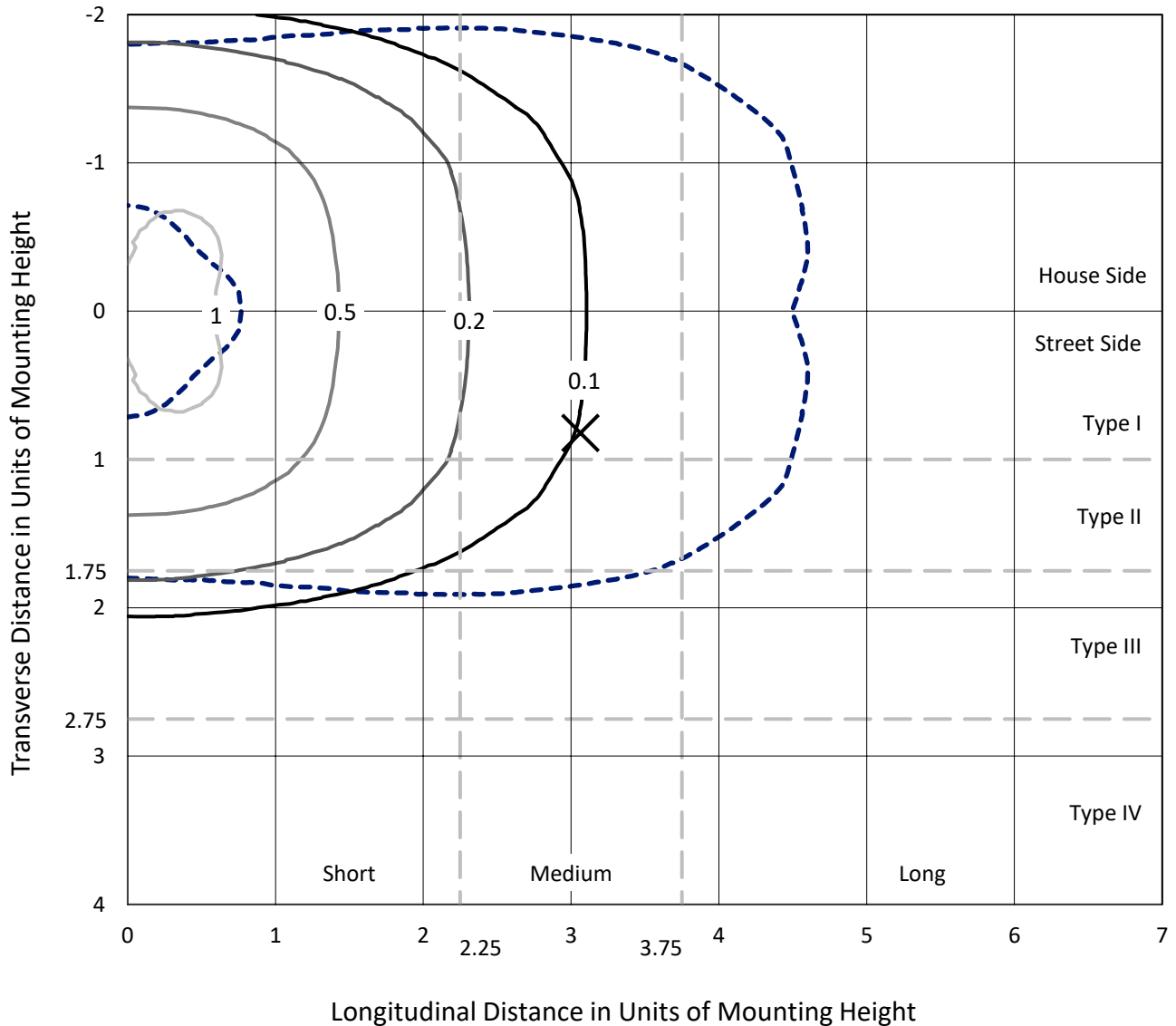
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

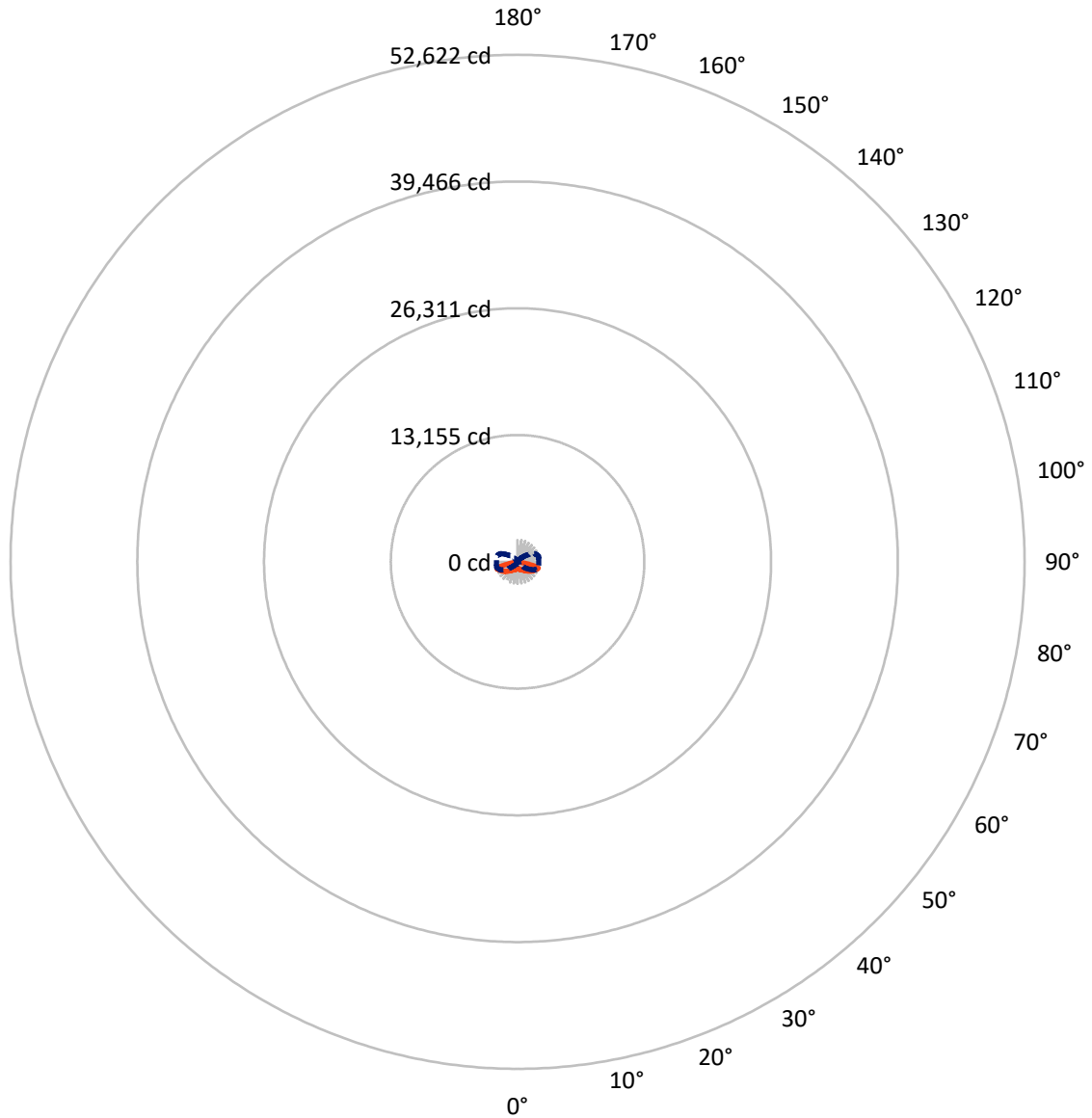
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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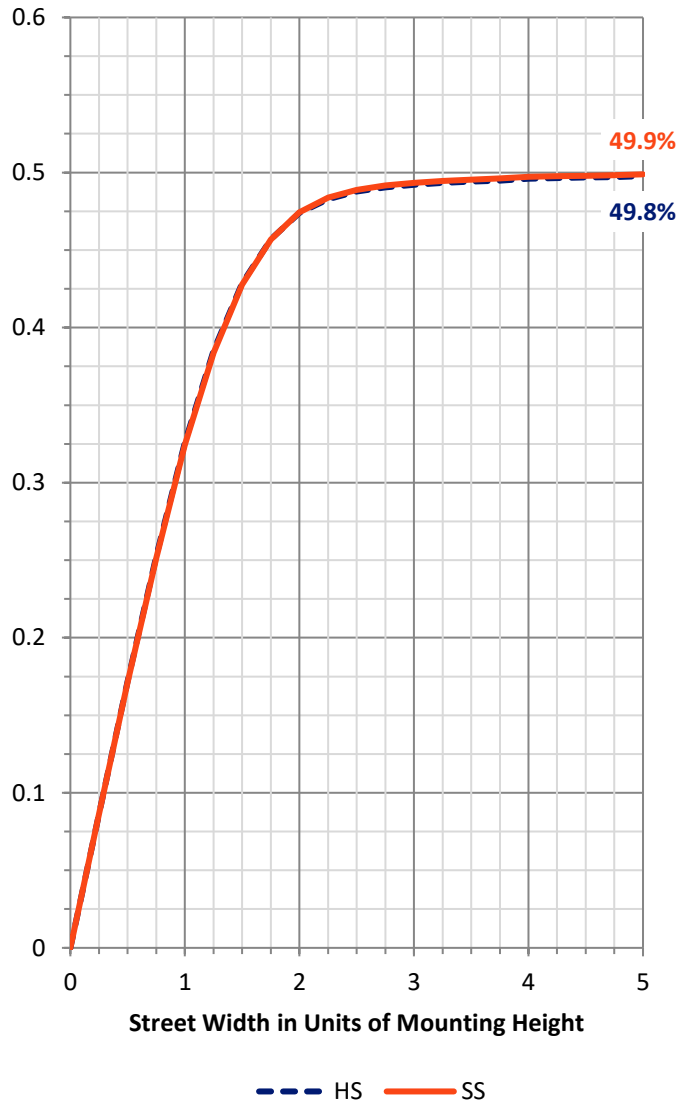
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3190.0 | 0.0 | 3190.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3190.0 | 0.0 | 3190.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6380.0 | 0.0 | 6380.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.9 | 1.0 |
| 10°-20° | 220.8 | 3.5 |
| 20°-30° | 426.7 | 6.7 |
| 30°-40° | 720.4 | 11.3 |
| 40°-50° | 1142.5 | 17.9 |
| 50°-60° | 1529.7 | 24.0 |
| 60°-70° | 1455.8 | 22.8 |
| 70°-80° | 759.7 | 11.9 |
| 80°-90° | 57.5 | 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° | 6380.0 | 100.0 |
| 0°-180° | 6380.0 | 100.0 |

Coefficient of Utilization

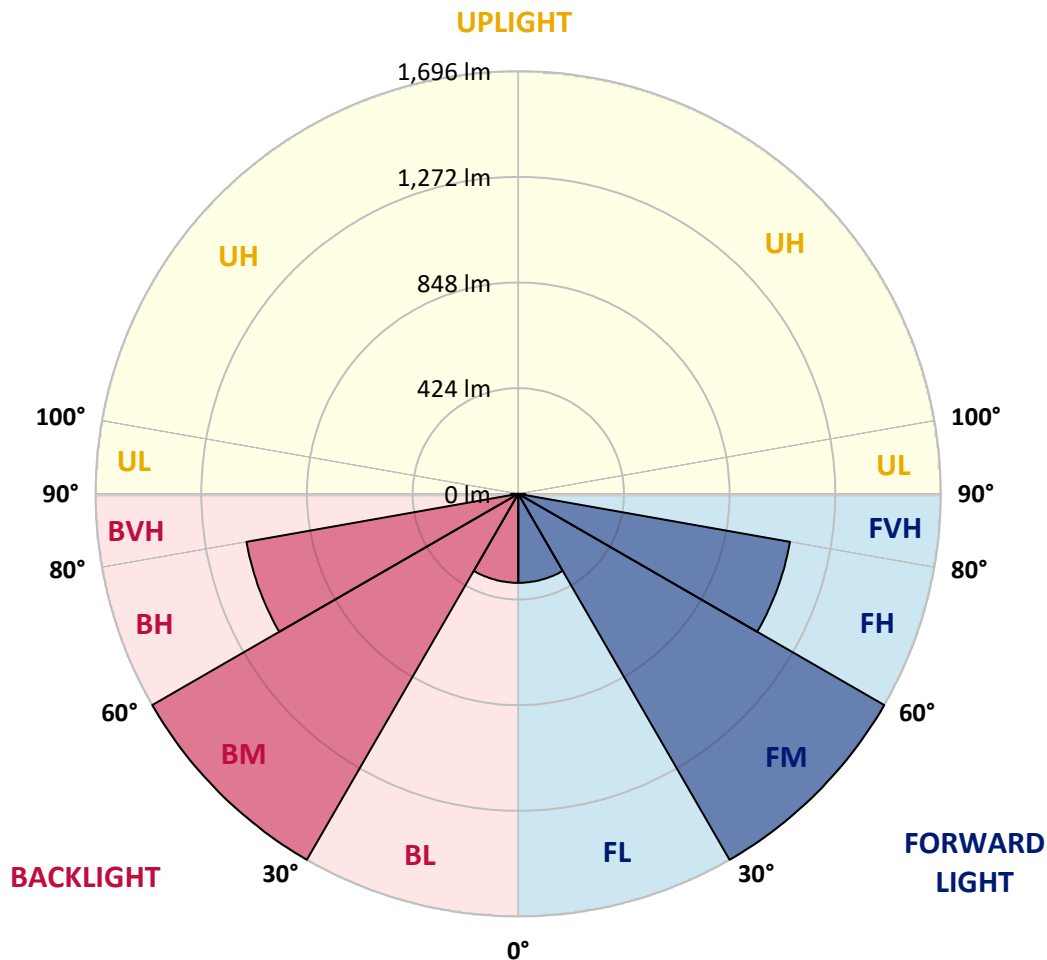


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 357.2 | 5.6 | | | |
| FM (30°-60°) | 1696.3 | 26.6 | | | |
| FH (60°-80°) | 1107.7 | 17.4 | | | G1/1800 |
| FVH (80°-90°) | 28.7 | 0.5 | | | G1/100 |
| BL (0°-30°) | 357.2 | 5.6 | B1/500 | | |
| BM (30°-60°) | 1696.3 | 26.6 | B2/2500 | | |
| BH (60°-80°) | 1107.7 | 17.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 28.7 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 | 683.4 |
| 2.5° | 683.4 | 682.8 | 683.4 | 684.1 | 683.7 | 683.7 | 685.4 | 686.3 | 688.3 | 688.0 |
| 5° | 678.9 | 678.5 | 681.1 | 684.1 | 686.3 | 690.3 | 695.1 | 698.7 | 703.3 | 704.3 |
| 7.5° | 676.6 | 675.6 | 680.2 | 685.4 | 692.5 | 702.3 | 711.8 | 721.5 | 729.3 | 731.9 |
| 10° | 678.2 | 678.5 | 684.7 | 694.5 | 705.9 | 719.6 | 732.9 | 749.5 | 760.6 | 763.2 |
| 12.5° | 685.7 | 685.0 | 695.5 | 711.1 | 726.7 | 744.0 | 759.6 | 777.9 | 789.9 | 796.1 |
| 15° | 699.4 | 698.1 | 712.7 | 735.9 | 758.7 | 778.9 | 791.6 | 808.8 | 822.8 | 830.6 |
| 17.5° | 715.7 | 716.3 | 735.5 | 765.5 | 795.5 | 818.3 | 830.3 | 839.1 | 849.9 | 856.7 |
| 20° | 744.3 | 745.6 | 767.1 | 802.6 | 836.8 | 862.9 | 872.7 | 869.4 | 872.3 | 877.6 |
| 22.5° | 782.8 | 783.4 | 807.5 | 846.0 | 881.8 | 910.5 | 917.0 | 903.6 | 895.5 | 899.1 |
| 25° | 827.4 | 831.6 | 855.7 | 895.1 | 932.0 | 959.3 | 962.2 | 942.1 | 921.9 | 922.8 |
| 27.5° | 881.8 | 885.7 | 910.1 | 949.2 | 986.7 | 1010.5 | 1010.1 | 983.1 | 953.5 | 946.0 |
| 30° | 940.8 | 945.0 | 970.1 | 1010.5 | 1045.3 | 1066.2 | 1061.6 | 1029.4 | 987.0 | 973.0 |
| 32.5° | 1010.8 | 1013.4 | 1038.8 | 1079.2 | 1111.4 | 1128.1 | 1118.6 | 1078.9 | 1026.1 | 1010.1 |
| 35° | 1095.5 | 1099.4 | 1118.3 | 1156.4 | 1184.7 | 1198.4 | 1182.5 | 1135.5 | 1076.3 | 1058.3 |
| 37.5° | 1192.2 | 1189.6 | 1211.1 | 1245.0 | 1268.4 | 1276.9 | 1255.1 | 1199.4 | 1133.6 | 1112.4 |
| 40° | 1293.2 | 1291.9 | 1315.4 | 1347.9 | 1360.6 | 1365.8 | 1333.6 | 1272.7 | 1199.7 | 1176.9 |
| 42.5° | 1384.7 | 1383.8 | 1415.4 | 1451.5 | 1466.8 | 1461.0 | 1420.2 | 1350.5 | 1276.3 | 1250.2 |
| 45° | 1458.0 | 1456.7 | 1495.5 | 1546.3 | 1576.3 | 1566.5 | 1511.8 | 1436.5 | 1353.8 | 1326.8 |
| 47.5° | 1514.4 | 1515.0 | 1556.7 | 1619.6 | 1672.0 | 1675.6 | 1605.3 | 1524.2 | 1439.1 | 1408.5 |
| 50° | 1555.1 | 1557.1 | 1601.7 | 1671.4 | 1743.1 | 1774.7 | 1700.7 | 1614.1 | 1527.4 | 1492.9 |
| 52.5° | 1565.2 | 1568.8 | 1622.5 | 1704.3 | 1788.7 | 1848.9 | 1797.8 | 1700.4 | 1611.1 | 1578.2 |
| 55° | 1511.5 | 1518.6 | 1586.7 | 1701.7 | 1816.7 | 1897.8 | 1883.1 | 1788.0 | 1695.5 | 1661.6 |
| 57.5° | 1388.0 | 1398.1 | 1477.6 | 1627.7 | 1810.5 | 1931.3 | 1949.3 | 1872.1 | 1779.9 | 1747.3 |
| 60° | 1215.0 | 1227.1 | 1303.3 | 1467.2 | 1723.2 | 1943.7 | 1995.8 | 1953.8 | 1857.4 | 1825.8 |
| 62.5° | 954.1 | 969.7 | 1061.0 | 1253.1 | 1538.8 | 1886.1 | 2035.6 | 2027.8 | 1927.1 | 1887.7 |
| 65° | 612.1 | 628.7 | 724.8 | 951.8 | 1292.9 | 1709.5 | 2048.0 | 2099.7 | 2000.7 | 1945.7 |
| 67.5° | 369.1 | 376.6 | 424.1 | 576.9 | 945.0 | 1443.4 | 1943.1 | 2179.6 | 2086.7 | 2018.3 |
| 70° | 236.2 | 240.4 | 268.7 | 338.8 | 534.2 | 1053.1 | 1683.1 | 2194.5 | 2191.0 | 2092.9 |
| 72.5° | 160.3 | 161.6 | 169.1 | 200.7 | 302.3 | 598.4 | 1241.4 | 1986.7 | 2256.1 | 2189.0 |
| 75° | 117.3 | 124.4 | 136.5 | 142.0 | 171.7 | 299.0 | 711.4 | 1395.8 | 1901.4 | 1930.7 |
| 77.5° | 87.3 | 87.6 | 104.2 | 110.8 | 122.5 | 159.3 | 301.0 | 779.2 | 1180.5 | 1239.5 |
| 80° | 73.9 | 70.0 | 69.7 | 89.3 | 92.2 | 99.4 | 134.5 | 269.1 | 422.8 | 256.4 |
| 82.5° | 61.6 | 57.3 | 51.8 | 69.7 | 62.9 | 60.9 | 58.3 | 109.5 | 134.5 | 66.1 |
| 85° | 43.0 | 41.0 | 39.1 | 45.6 | 35.8 | 30.6 | 28.0 | 51.1 | 56.7 | 28.0 |
| 87.5° | 18.6 | 19.2 | 19.5 | 20.2 | 15.0 | 10.7 | 10.7 | 14.3 | 14.3 | 11.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 683.4 |
| 687.6 |
| 704.3 |
| 732.6 |
| 765.8 |
| 798.7 |
| 833.6 |
| 860.0 |
| 881.5 |
| 901.7 |
| 924.5 |
| 948.2 |
| 974.6 |
| 1014.0 |
| 1061.0 |
| 1116.3 |
| 1184.4 |
| 1256.7 |
| 1332.9 |
| 1417.6 |
| 1503.3 |
| 1586.7 |
| 1671.1 |
| 1754.8 |
| 1832.6 |
| 1892.3 |
| 1952.5 |
| 2023.5 |
| 2092.3 |
| 2178.6 |
| 1859.7 |
| 1105.6 |
| 193.8 |
| 56.4 |
| 24.8 |
| 8.1 |
| 0.0 |

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