

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: P946350

Luminaire Tested: **GLAN-SB2A-740-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-740-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9276 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - 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



REPORT NUMBER: P946350
 CATALOG NUMBER: GLAN-SB2A-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

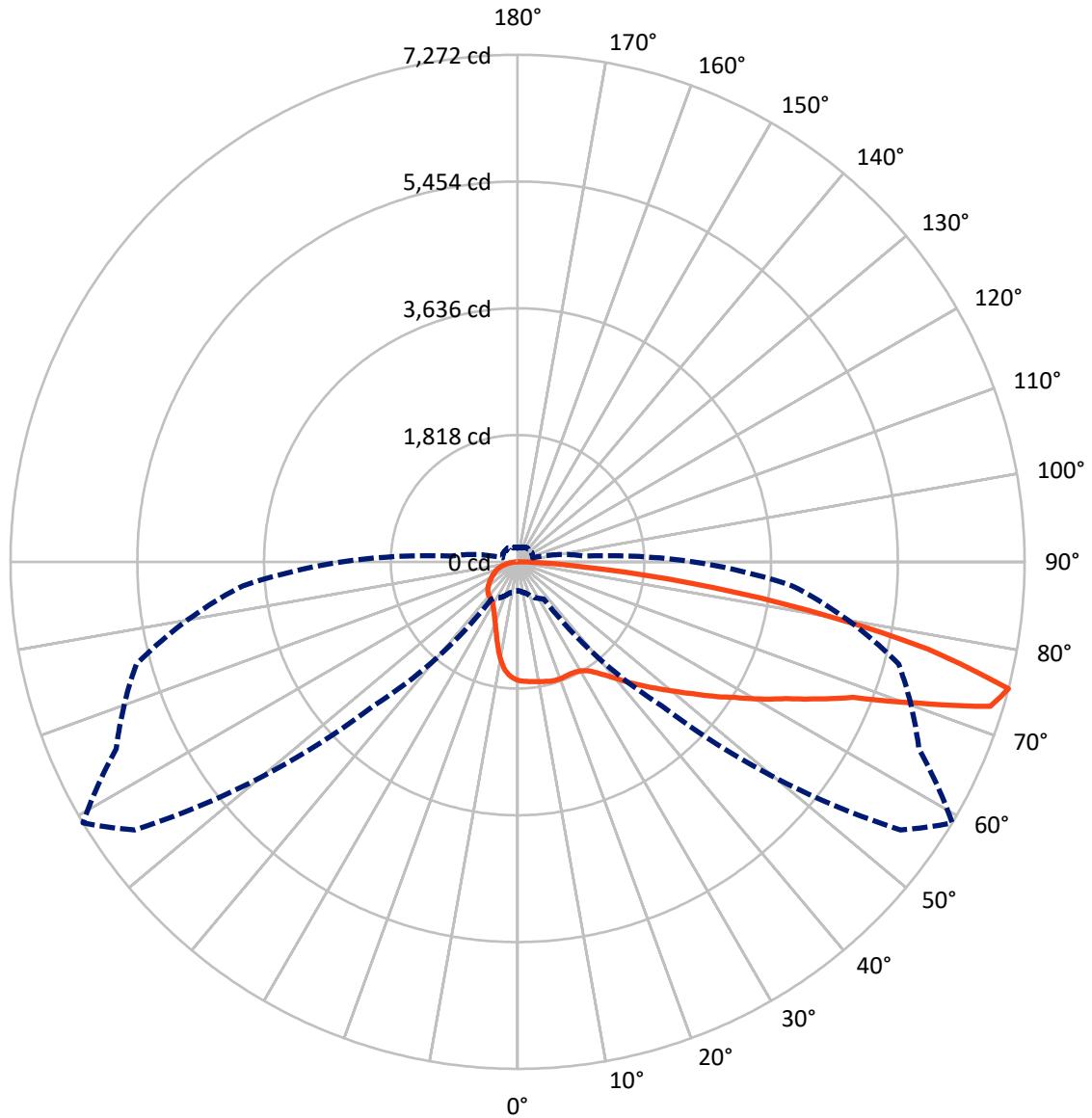
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P946350
CATALOG NUMBER: GLAN-SB2A-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P946350
 CATALOG NUMBER: GLAN-SB2A-740-U-SL3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1739.8 | 0.0 | 1739.8 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 7536.2 | 0.0 | 7536.2 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 9276.0 | 0.0 | 9276.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 152.7 | 1.6 |
| 10°-20° | 390.2 | 4.2 |
| 20°-30° | 592.7 | 6.4 |
| 30°-40° | 881.1 | 9.5 |
| 40°-50° | 1310.3 | 14.1 |
| 50°-60° | 1778.6 | 19.2 |
| 60°-70° | 2171.3 | 23.4 |
| 70°-80° | 1704.0 | 18.4 |
| 80°-90° | 295.2 | 3.2 |
| 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° | 9276.0 | 100.0 |
| 0°-180° | 9276.0 | 100.0 |

Coefficient of Utilization

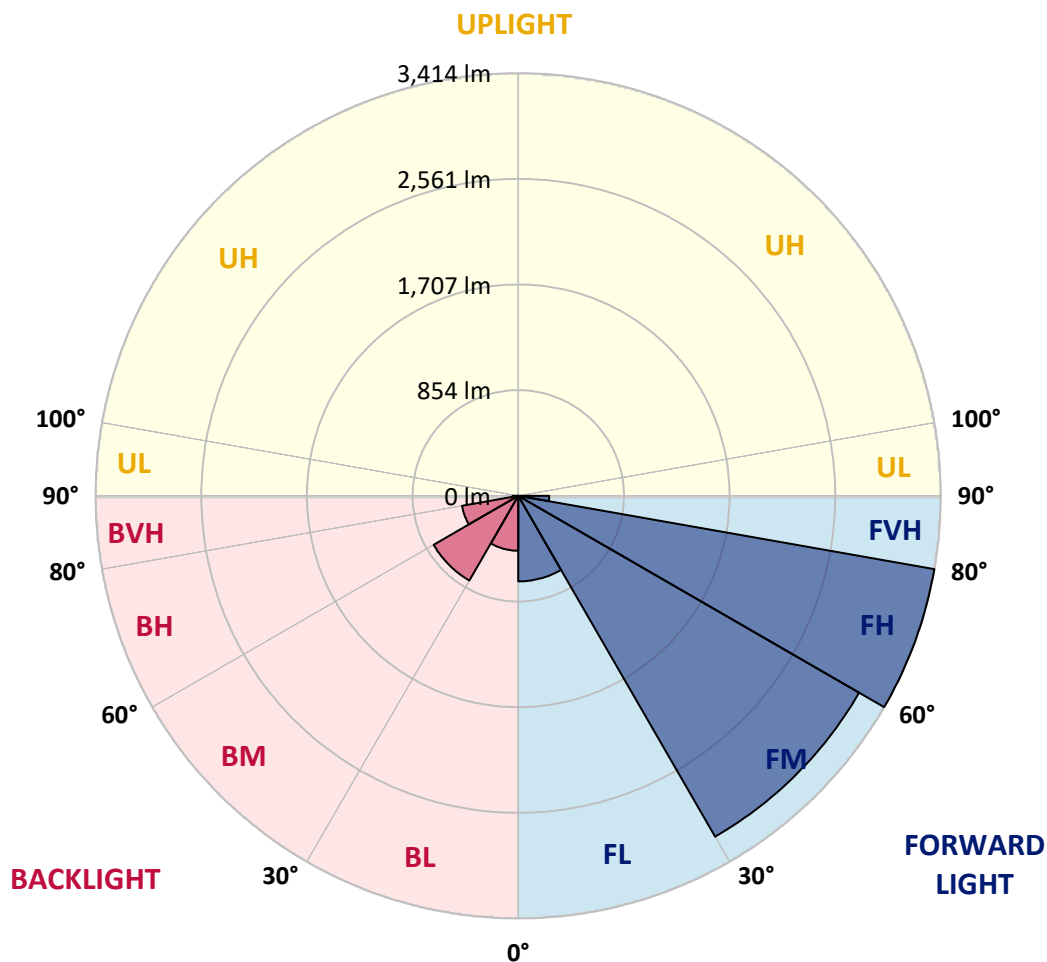


REPORT NUMBER: P946350
 CATALOG NUMBER: GLAN-SB2A-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 691.6 | 7.5 | | | |
| FM (30°-60°) | 3180.2 | 34.3 | | | |
| FH (60°-80°) | 3414.4 | 36.8 | | | G2/5000 |
| FVH (80°-90°) | 250.0 | 2.7 | | | G3/500 |
| BL (0°-30°) | 444.0 | 4.8 | B1/500 | | |
| BM (30°-60°) | 789.7 | 8.5 | B1/1000 | | |
| BH (60°-80°) | 460.9 | 5.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 45.2 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3
 Type IV Medium



REPORT NUMBER: P946350
 CATALOG NUMBER: GLAN-SB2A-740-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 |
| 2.5° | 1717.1 | 1711.1 | 1717.1 | 1714.6 | 1713.6 | 1711.6 | 1712.1 | 1715.6 | 1713.6 | 1716.1 |
| 5° | 1705.6 | 1702.1 | 1708.1 | 1706.6 | 1713.1 | 1714.1 | 1720.6 | 1724.5 | 1727.0 | 1727.5 |
| 7.5° | 1686.6 | 1683.1 | 1691.6 | 1698.6 | 1712.6 | 1716.6 | 1730.0 | 1736.5 | 1740.0 | 1746.0 |
| 10° | 1617.3 | 1615.8 | 1636.7 | 1663.2 | 1696.1 | 1716.6 | 1737.0 | 1748.0 | 1753.5 | 1769.5 |
| 12.5° | 1494.5 | 1496.5 | 1523.9 | 1574.8 | 1640.7 | 1706.6 | 1745.0 | 1761.0 | 1769.5 | 1789.4 |
| 15° | 1377.2 | 1376.7 | 1406.7 | 1461.1 | 1553.4 | 1662.7 | 1749.0 | 1776.4 | 1790.9 | 1820.4 |
| 17.5° | 1309.4 | 1307.4 | 1328.3 | 1369.8 | 1455.6 | 1595.3 | 1739.0 | 1784.9 | 1815.9 | 1852.8 |
| 20° | 1296.9 | 1292.9 | 1303.9 | 1324.3 | 1385.2 | 1521.5 | 1713.1 | 1784.9 | 1835.8 | 1883.7 |
| 22.5° | 1342.3 | 1335.8 | 1331.3 | 1328.8 | 1355.8 | 1460.6 | 1683.6 | 1778.9 | 1865.3 | 1928.1 |
| 25° | 1433.6 | 1423.6 | 1400.7 | 1378.2 | 1370.3 | 1433.1 | 1657.7 | 1777.4 | 1909.2 | 1988.0 |
| 27.5° | 1581.3 | 1568.9 | 1522.5 | 1468.6 | 1420.2 | 1447.1 | 1646.2 | 1786.4 | 1957.6 | 2051.4 |
| 30° | 1764.5 | 1751.0 | 1692.6 | 1609.8 | 1522.9 | 1499.0 | 1660.7 | 1812.9 | 2019.5 | 2135.7 |
| 32.5° | 1928.6 | 1913.7 | 1863.8 | 1779.4 | 1662.2 | 1588.8 | 1706.6 | 1863.3 | 2116.8 | 2253.0 |
| 35° | 2074.3 | 2056.9 | 2012.0 | 1934.1 | 1832.8 | 1715.1 | 1789.4 | 1952.6 | 2255.0 | 2443.6 |
| 37.5° | 2217.1 | 2196.6 | 2147.7 | 2065.4 | 1994.5 | 1883.2 | 1903.7 | 2067.4 | 2438.6 | 2675.1 |
| 40° | 2376.7 | 2347.3 | 2287.9 | 2206.6 | 2137.7 | 2080.3 | 2053.9 | 2208.1 | 2625.2 | 2933.6 |
| 42.5° | 2531.4 | 2503.5 | 2432.6 | 2363.3 | 2276.9 | 2260.5 | 2228.0 | 2372.7 | 2829.3 | 3217.6 |
| 45° | 2698.1 | 2664.7 | 2578.8 | 2491.0 | 2436.6 | 2380.2 | 2396.7 | 2537.4 | 3029.4 | 3507.0 |
| 47.5° | 2854.3 | 2816.9 | 2715.6 | 2617.8 | 2587.8 | 2481.0 | 2551.4 | 2718.6 | 3237.5 | 3800.4 |
| 50° | 2938.6 | 2901.7 | 2817.4 | 2729.0 | 2705.6 | 2605.3 | 2719.1 | 2917.7 | 3455.6 | 4092.8 |
| 52.5° | 3009.0 | 2969.1 | 2858.8 | 2809.9 | 2802.9 | 2740.5 | 2925.6 | 3145.2 | 3673.6 | 4351.3 |
| 55° | 3083.8 | 3039.4 | 2898.7 | 2854.8 | 2886.7 | 2892.2 | 3170.6 | 3403.2 | 3904.2 | 4603.3 |
| 57.5° | 3170.1 | 3113.8 | 2937.1 | 2892.7 | 2968.6 | 3069.9 | 3452.1 | 3670.6 | 4130.7 | 4836.8 |
| 60° | 3251.5 | 3194.6 | 3011.0 | 2953.1 | 3056.9 | 3275.9 | 3774.9 | 3994.5 | 4387.2 | 5044.9 |
| 62.5° | 3267.5 | 3220.5 | 3069.9 | 3069.4 | 3176.6 | 3516.5 | 4157.2 | 4321.3 | 4611.3 | 5250.5 |
| 65° | 2991.0 | 2961.6 | 2872.2 | 3064.9 | 3348.3 | 3862.8 | 4582.8 | 4739.5 | 4896.2 | 5430.1 |
| 67.5° | 2276.4 | 2280.4 | 2273.9 | 2645.7 | 3209.6 | 4360.3 | 5199.1 | 5187.1 | 5248.0 | 5631.7 |
| 70° | 1040.9 | 1064.4 | 1217.1 | 1826.3 | 2571.3 | 4417.6 | 6218.0 | 6062.9 | 5689.6 | 5892.7 |
| 72.5° | 562.4 | 580.3 | 642.7 | 884.7 | 1545.9 | 3927.6 | 6979.5 | 7089.8 | 6276.9 | 6068.3 |
| 75° | 412.7 | 422.7 | 466.1 | 562.4 | 649.2 | 2919.2 | 6706.6 | 7272.4 | 6350.3 | 5658.7 |
| 77.5° | 308.9 | 313.4 | 348.8 | 445.6 | 332.3 | 1538.9 | 5358.8 | 6022.9 | 5436.1 | 4649.2 |
| 80° | 224.1 | 229.0 | 255.5 | 334.3 | 233.0 | 562.9 | 3679.6 | 4227.5 | 3723.0 | 2963.6 |
| 82.5° | 154.7 | 156.7 | 168.2 | 227.5 | 162.7 | 218.6 | 2087.8 | 2479.0 | 2078.3 | 1039.9 |
| 85° | 93.3 | 95.8 | 100.8 | 132.7 | 92.3 | 103.8 | 901.2 | 932.1 | 621.3 | 248.5 |
| 87.5° | 38.4 | 40.9 | 44.9 | 55.9 | 36.4 | 28.9 | 148.7 | 186.6 | 116.3 | 72.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P946350
 CATALOG NUMBER: GLAN-SB2A-740-U-SL3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1702.6 | 0° | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 |
| 1707.6 | 2.5° | 1705.1 | 1701.6 | 1692.1 | 1679.1 | 1667.2 | 1652.2 | 1645.7 | 1640.2 | 1635.2 | 1625.7 |
| 1721.1 | 5° | 1715.6 | 1706.1 | 1680.6 | 1647.7 | 1610.3 | 1569.4 | 1529.4 | 1502.0 | 1478.5 | 1461.1 |
| 1736.5 | 7.5° | 1731.5 | 1713.6 | 1667.2 | 1599.8 | 1514.0 | 1426.1 | 1346.8 | 1290.4 | 1248.0 | 1232.5 |
| 1758.5 | 10° | 1748.0 | 1726.5 | 1645.7 | 1526.9 | 1378.7 | 1243.5 | 1138.2 | 1080.3 | 1046.4 | 1035.4 |
| 1784.4 | 12.5° | 1767.5 | 1736.0 | 1612.3 | 1425.6 | 1227.5 | 1079.3 | 987.5 | 953.6 | 936.1 | 930.1 |
| 1816.4 | 15° | 1795.9 | 1744.0 | 1561.9 | 1298.9 | 1083.3 | 959.6 | 900.2 | 876.7 | 867.8 | 867.3 |
| 1849.3 | 17.5° | 1817.4 | 1745.5 | 1483.5 | 1163.2 | 972.6 | 887.2 | 838.3 | 829.3 | 835.3 | 844.3 |
| 1881.7 | 20° | 1841.3 | 1732.0 | 1380.7 | 1039.4 | 894.7 | 823.8 | 803.4 | 809.4 | 823.8 | 836.8 |
| 1924.6 | 22.5° | 1858.3 | 1707.6 | 1256.5 | 943.1 | 827.3 | 787.4 | 786.4 | 798.9 | 806.9 | 813.4 |
| 1975.0 | 25° | 1873.2 | 1666.2 | 1124.7 | 862.3 | 772.0 | 765.5 | 776.4 | 772.5 | 767.0 | 772.5 |
| 2025.4 | 27.5° | 1884.2 | 1600.8 | 1007.0 | 791.4 | 733.0 | 750.5 | 744.0 | 735.0 | 734.5 | 737.5 |
| 2084.8 | 30° | 1880.7 | 1513.5 | 910.2 | 724.0 | 705.6 | 722.6 | 707.1 | 705.6 | 704.1 | 705.6 |
| 2174.1 | 32.5° | 1880.7 | 1414.2 | 835.8 | 677.6 | 688.1 | 681.6 | 680.1 | 676.6 | 670.7 | 670.2 |
| 2295.4 | 35° | 1891.2 | 1314.9 | 772.0 | 652.7 | 673.7 | 658.2 | 659.2 | 650.7 | 638.2 | 632.2 |
| 2456.1 | 37.5° | 1912.7 | 1235.0 | 708.6 | 640.7 | 648.2 | 647.7 | 643.7 | 629.2 | 607.3 | 588.3 |
| 2656.7 | 40° | 1964.6 | 1211.6 | 665.2 | 635.2 | 636.2 | 642.2 | 631.7 | 603.8 | 553.9 | 523.0 |
| 2860.3 | 42.5° | 2045.9 | 1251.0 | 655.7 | 621.8 | 628.2 | 634.2 | 613.8 | 548.9 | 513.5 | 495.0 |
| 3073.8 | 45° | 2149.2 | 1319.9 | 676.1 | 602.3 | 609.3 | 619.8 | 558.9 | 527.9 | 512.0 | 512.5 |
| 3285.4 | 47.5° | 2279.9 | 1392.2 | 714.1 | 585.3 | 581.8 | 587.8 | 522.5 | 503.5 | 481.5 | 487.0 |
| 3488.5 | 50° | 2431.1 | 1465.6 | 750.0 | 562.4 | 551.4 | 531.9 | 499.0 | 481.0 | 453.1 | 440.1 |
| 3684.6 | 52.5° | 2594.8 | 1536.4 | 764.5 | 534.4 | 518.5 | 496.0 | 483.0 | 461.1 | 427.1 | 405.7 |
| 3869.7 | 55° | 2750.0 | 1600.8 | 748.5 | 501.0 | 485.5 | 468.1 | 466.1 | 452.6 | 416.2 | 386.2 |
| 4034.4 | 57.5° | 2896.7 | 1654.7 | 708.6 | 467.1 | 452.1 | 441.6 | 455.1 | 448.6 | 402.7 | 364.3 |
| 4190.1 | 60° | 3020.9 | 1691.6 | 650.7 | 432.6 | 422.2 | 416.7 | 437.1 | 435.1 | 383.7 | 340.8 |
| 4329.8 | 62.5° | 3119.8 | 1706.1 | 586.8 | 399.7 | 397.2 | 387.2 | 412.2 | 412.2 | 359.8 | 317.9 |
| 4452.6 | 65° | 3197.1 | 1692.1 | 522.0 | 367.3 | 372.3 | 357.3 | 381.7 | 378.7 | 334.3 | 297.4 |
| 4593.8 | 67.5° | 3265.5 | 1646.2 | 450.1 | 335.3 | 346.8 | 327.8 | 349.8 | 342.8 | 306.4 | 276.9 |
| 4716.1 | 70° | 3295.9 | 1539.4 | 368.3 | 303.4 | 317.4 | 298.9 | 317.9 | 304.9 | 274.9 | 255.0 |
| 4581.8 | 72.5° | 3051.4 | 1279.4 | 289.9 | 270.0 | 281.9 | 267.0 | 283.4 | 268.5 | 241.0 | 232.0 |
| 3956.6 | 75° | 2524.4 | 960.1 | 223.1 | 233.5 | 242.5 | 231.0 | 242.0 | 231.0 | 206.1 | 212.6 |
| 2922.6 | 77.5° | 1833.3 | 648.2 | 170.7 | 195.1 | 199.1 | 193.1 | 202.6 | 190.1 | 167.7 | 166.2 |
| 1456.6 | 80° | 911.7 | 379.7 | 133.7 | 154.2 | 152.7 | 148.7 | 159.7 | 153.7 | 134.7 | 142.7 |
| 393.2 | 82.5° | 264.0 | 162.7 | 97.3 | 108.3 | 105.3 | 106.3 | 114.3 | 117.3 | 175.6 | 174.2 |
| 122.3 | 85° | 82.8 | 63.9 | 58.4 | 60.4 | 57.4 | 58.9 | 67.4 | 133.7 | 123.8 | 72.4 |
| 37.9 | 87.5° | 21.5 | 22.0 | 14.5 | 15.5 | 16.0 | 19.0 | 21.5 | 81.3 | 38.9 | 25.4 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| 180° |
|--------|
| 1702.6 |
| 1621.3 |
| 1446.6 |
| 1205.6 |
| 1018.5 |
| 931.6 |
| 869.3 |
| 847.8 |
| 841.3 |
| 816.9 |
| 775.9 |
| 742.5 |
| 711.1 |
| 676.6 |
| 638.2 |
| 594.8 |
| 526.9 |
| 495.0 |
| 515.0 |
| 501.0 |
| 443.6 |
| 405.2 |
| 386.2 |
| 362.3 |
| 339.3 |
| 316.4 |
| 295.4 |
| 274.9 |
| 251.0 |
| 224.6 |
| 194.1 |
| 158.7 |
| 141.2 |
| 178.1 |
| 78.3 |
| 26.9 |
| 0.0 |

F REPORT)