

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: P848037

Luminaire Tested: **GLAN-SB4B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11941 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

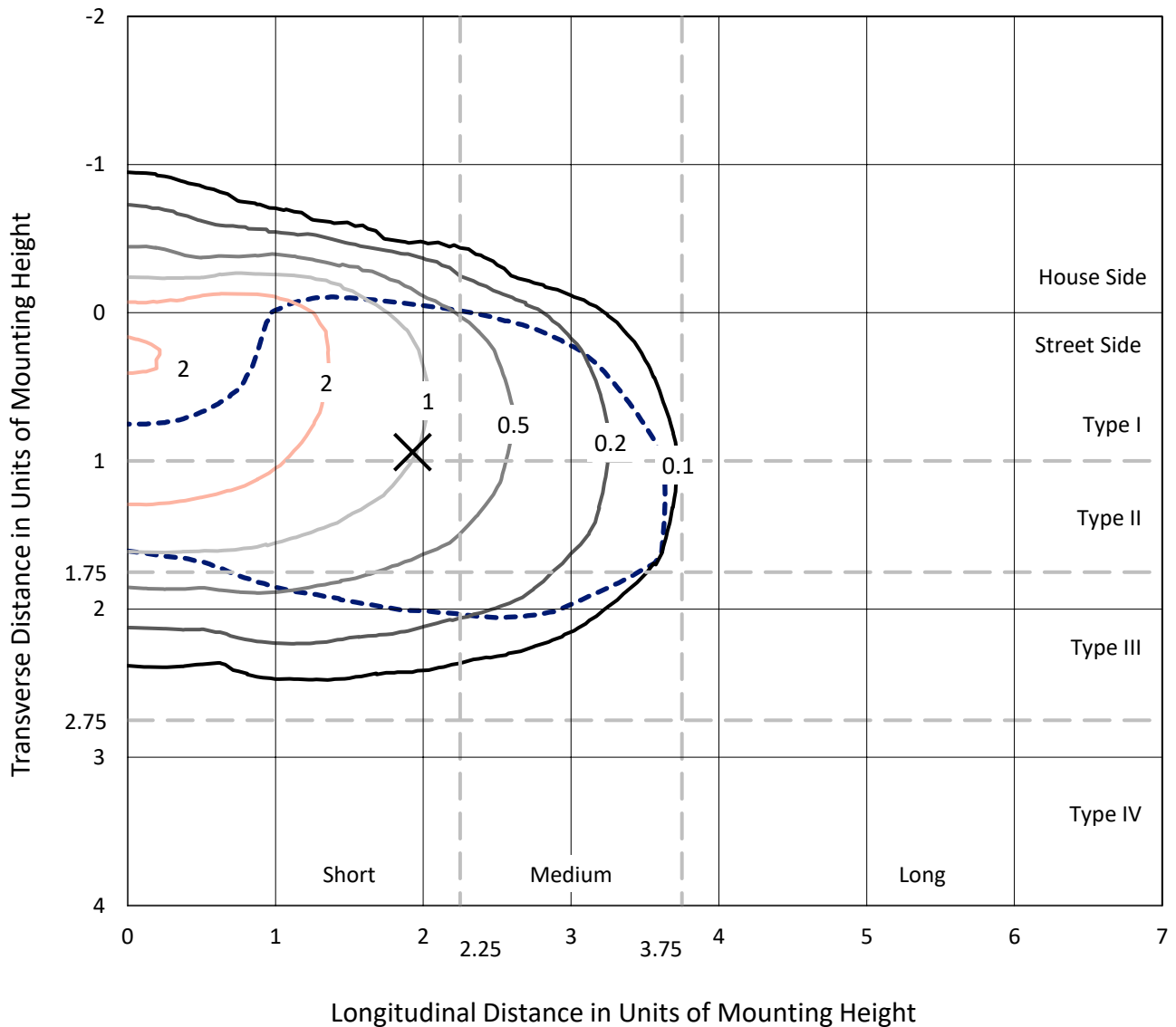
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848037
 CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

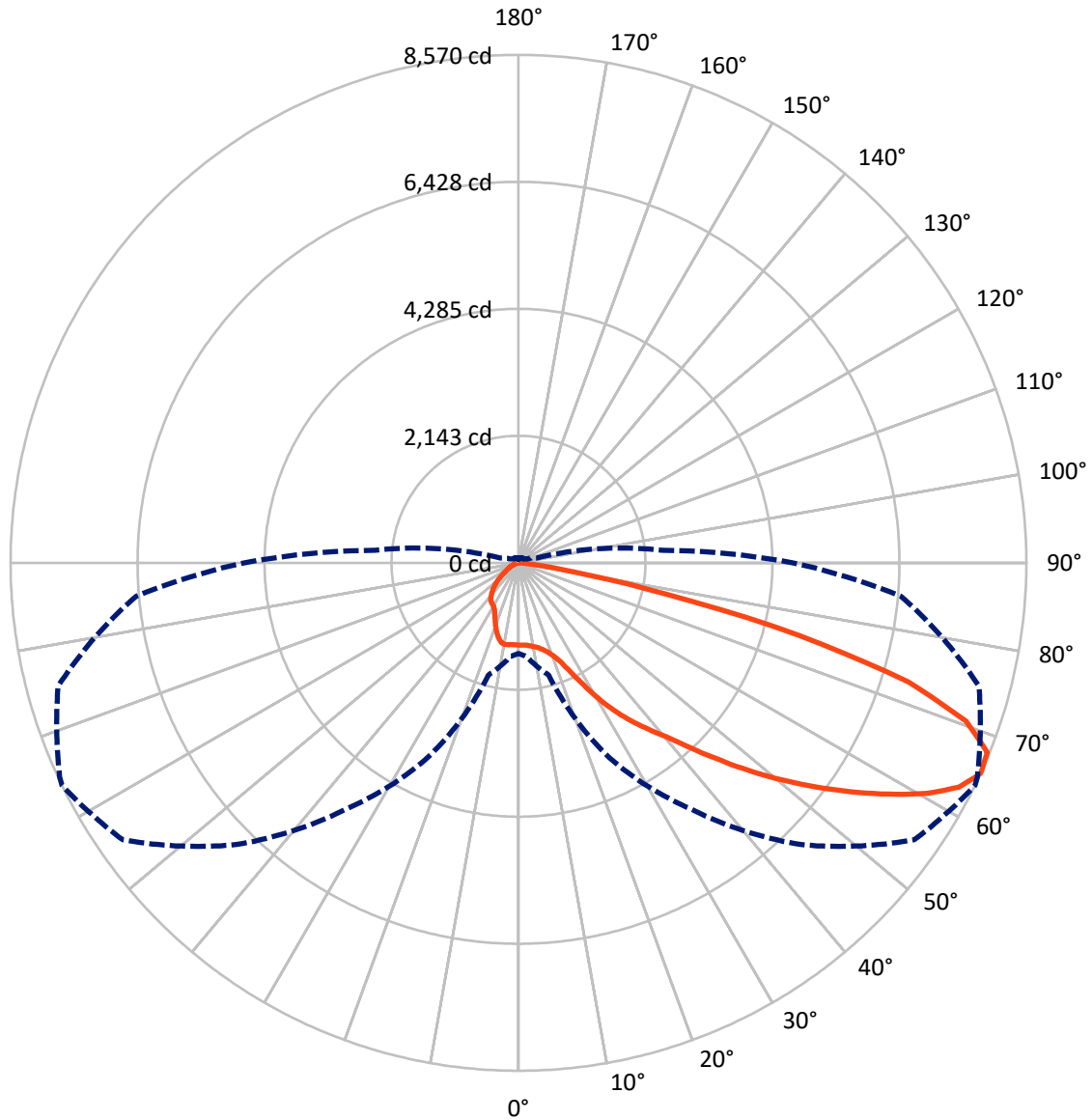
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

REPORT NUMBER: P848037
CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P848037
 CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1596.9 | 0.0 | 1596.9 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 10344.1 | 0.0 | 10344.1 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 11941.0 | 0.0 | 11941.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 128.1 | 1.1 |
| 10°-20° | 347.5 | 2.9 |
| 20°-30° | 658.6 | 5.5 |
| 30°-40° | 1332.6 | 11.2 |
| 40°-50° | 2270.1 | 19.0 |
| 50°-60° | 3087.2 | 25.9 |
| 60°-70° | 2899.0 | 24.3 |
| 70°-80° | 1161.5 | 9.7 |
| 80°-90° | 56.3 | 0.5 |
| 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° | 11941.0 | 100.0 |
| 0°-180° | 11941.0 | 100.0 |

Coefficient of Utilization



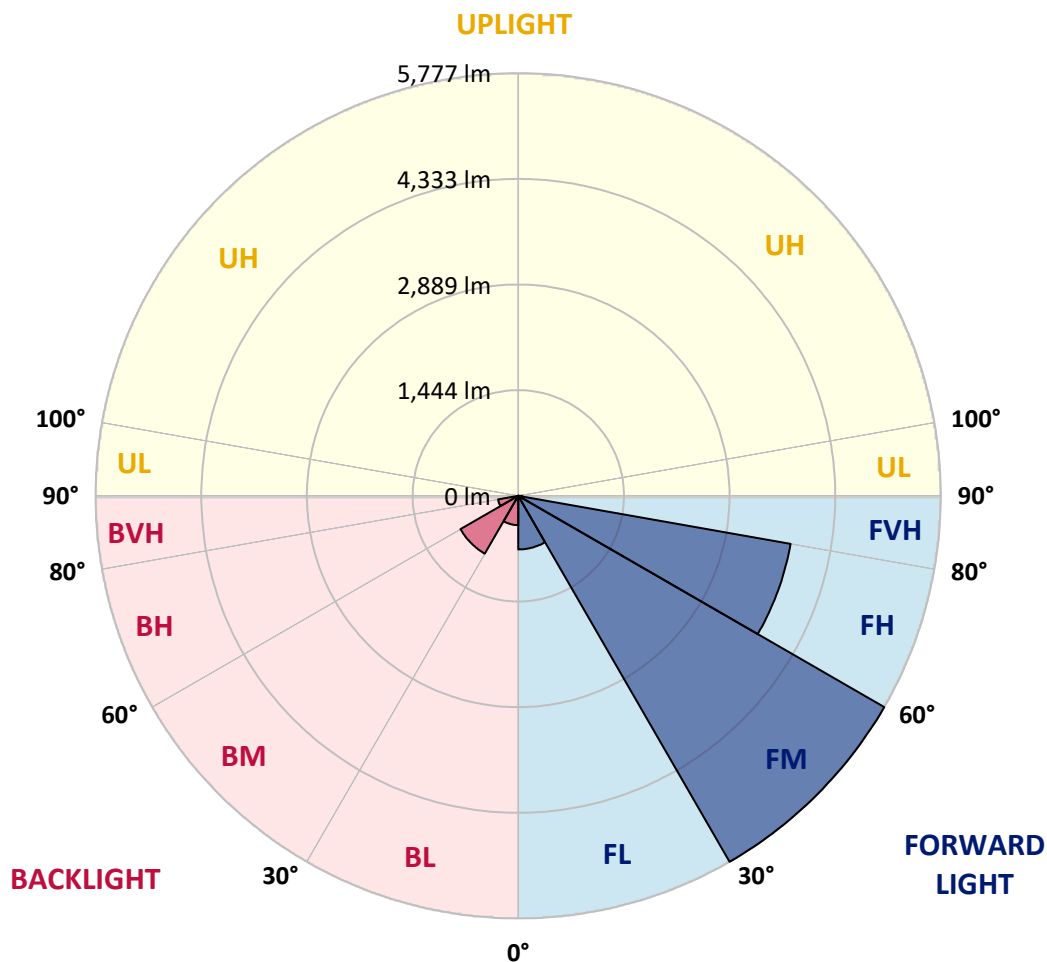
REPORT NUMBER: P848037
 CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 733.3 | 6.1 | | | |
| FM (30°-60°) | 5777.0 | 48.4 | | | |
| FH (60°-80°) | 3780.2 | 31.7 | | | G2/5000 |
| FVH (80°-90°) | 53.5 | 0.4 | | | G1/100 |
| BL (0°-30°) | 400.9 | 3.4 | B1/500 | | |
| BM (30°-60°) | 912.9 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 280.3 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.7 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short



REPORT NUMBER: P848037
 CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 |
| 2.5° | 1384.1 | 1393.7 | 1391.3 | 1388.9 | 1388.1 | 1389.7 | 1390.5 | 1389.7 | 1389.7 | 1389.7 |
| 5° | 1357.6 | 1365.6 | 1365.6 | 1371.3 | 1379.3 | 1388.9 | 1396.1 | 1397.7 | 1399.3 | 1401.7 |
| 7.5° | 1307.2 | 1313.6 | 1318.4 | 1336.8 | 1356.8 | 1382.5 | 1404.1 | 1415.3 | 1416.9 | 1425.7 |
| 10° | 1272.8 | 1280.8 | 1288.8 | 1308.0 | 1336.8 | 1375.3 | 1412.1 | 1439.3 | 1443.3 | 1464.1 |
| 12.5° | 1271.2 | 1279.2 | 1289.6 | 1310.4 | 1344.0 | 1384.9 | 1429.7 | 1468.9 | 1476.1 | 1506.5 |
| 15° | 1288.0 | 1297.6 | 1307.2 | 1332.8 | 1368.8 | 1418.5 | 1466.5 | 1515.3 | 1522.5 | 1565.8 |
| 17.5° | 1322.4 | 1335.2 | 1342.4 | 1368.0 | 1406.5 | 1461.7 | 1524.9 | 1581.0 | 1587.4 | 1637.8 |
| 20° | 1390.5 | 1405.7 | 1408.1 | 1428.9 | 1466.5 | 1525.7 | 1601.0 | 1670.6 | 1678.6 | 1736.3 |
| 22.5° | 1531.4 | 1553.0 | 1533.8 | 1544.2 | 1577.8 | 1637.0 | 1718.7 | 1806.7 | 1817.9 | 1883.6 |
| 25° | 1779.5 | 1809.9 | 1760.3 | 1742.7 | 1757.1 | 1818.7 | 1921.2 | 2032.5 | 2045.3 | 2098.1 |
| 27.5° | 2267.0 | 2227.8 | 2152.5 | 2078.9 | 2035.7 | 2070.9 | 2186.2 | 2323.8 | 2339.9 | 2391.1 |
| 30° | 2802.5 | 2768.1 | 2666.5 | 2503.2 | 2400.7 | 2395.1 | 2501.6 | 2655.2 | 2673.7 | 2722.5 |
| 32.5° | 3338.9 | 3306.1 | 3195.6 | 2994.7 | 2816.9 | 2728.9 | 2802.5 | 2973.0 | 2982.7 | 3013.9 |
| 35° | 3866.4 | 3832.8 | 3722.3 | 3516.6 | 3298.0 | 3097.9 | 3083.5 | 3275.6 | 3278.8 | 3311.7 |
| 37.5° | 4397.1 | 4369.1 | 4251.4 | 4049.7 | 3834.4 | 3558.2 | 3424.5 | 3562.2 | 3566.2 | 3598.2 |
| 40° | 4775.8 | 4787.8 | 4706.9 | 4550.8 | 4365.9 | 4064.1 | 3807.2 | 3867.2 | 3843.2 | 3896.8 |
| 42.5° | 5100.8 | 5124.8 | 5054.3 | 4975.9 | 4868.6 | 4602.9 | 4281.1 | 4270.7 | 4232.2 | 4261.0 |
| 45° | 5381.7 | 5401.8 | 5338.5 | 5320.1 | 5317.7 | 5131.2 | 4799.0 | 4736.5 | 4682.9 | 4677.3 |
| 47.5° | 5485.0 | 5523.4 | 5550.6 | 5612.3 | 5732.4 | 5653.9 | 5334.5 | 5237.7 | 5177.6 | 5133.6 |
| 50° | 5524.2 | 5565.1 | 5657.9 | 5837.2 | 6121.4 | 6155.0 | 5867.6 | 5758.8 | 5685.1 | 5605.1 |
| 52.5° | 5471.4 | 5544.2 | 5669.1 | 5970.9 | 6383.2 | 6556.9 | 6379.2 | 6283.9 | 6199.8 | 6069.4 |
| 55° | 5160.0 | 5232.8 | 5488.2 | 5969.3 | 6513.6 | 6838.6 | 6862.7 | 6820.2 | 6725.8 | 6520.0 |
| 57.5° | 4503.6 | 4611.7 | 5015.9 | 5766.0 | 6511.2 | 7081.2 | 7336.6 | 7367.0 | 7261.3 | 6966.7 |
| 60° | 3594.2 | 3740.7 | 4233.8 | 5315.3 | 6310.3 | 7212.5 | 7752.0 | 7904.1 | 7792.0 | 7407.0 |
| 62.5° | 2508.0 | 2677.7 | 3144.4 | 4609.3 | 5850.8 | 7118.0 | 8055.4 | 8336.4 | 8251.5 | 7800.8 |
| 65° | 1529.7 | 1584.2 | 1960.4 | 3627.1 | 5069.5 | 6722.6 | 8149.1 | 8570.1 | 8542.1 | 8041.8 |
| 67.5° | 1019.0 | 1064.7 | 1172.7 | 2487.1 | 3935.2 | 5932.5 | 7924.9 | 8529.3 | 8537.3 | 8002.6 |
| 70° | 614.0 | 653.2 | 723.6 | 1446.5 | 2550.4 | 4695.7 | 7230.9 | 8009.0 | 8055.4 | 7478.2 |
| 72.5° | 253.0 | 279.4 | 343.4 | 655.6 | 1320.8 | 2980.3 | 5758.0 | 6876.3 | 6984.3 | 6287.9 |
| 75° | 143.3 | 156.9 | 201.7 | 329.0 | 573.2 | 1388.9 | 3487.8 | 4881.4 | 5040.7 | 4333.9 |
| 77.5° | 95.3 | 101.7 | 130.5 | 212.9 | 322.6 | 473.9 | 1490.5 | 2543.2 | 2847.4 | 2367.1 |
| 80° | 64.0 | 69.6 | 89.7 | 142.5 | 209.7 | 203.3 | 474.7 | 942.2 | 1159.1 | 813.3 |
| 82.5° | 43.2 | 44.0 | 64.0 | 93.7 | 132.9 | 98.5 | 140.1 | 293.0 | 368.2 | 235.3 |
| 85° | 24.8 | 24.0 | 47.2 | 54.4 | 59.2 | 40.8 | 42.4 | 88.1 | 115.3 | 99.3 |
| 87.5° | 3.2 | 4.8 | 18.4 | 14.4 | 8.0 | 8.8 | 8.8 | 15.2 | 22.4 | 24.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P848037
 CATALOG NUMBER: GLAN-SB4B-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1388.9 | 0° | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 | 1388.9 |
| 1390.5 | 2.5° | 1390.5 | 1389.7 | 1387.3 | 1384.9 | 1379.3 | 1376.1 | 1377.7 | 1376.1 | 1375.3 | 1376.1 |
| 1400.9 | 5° | 1400.9 | 1398.5 | 1392.1 | 1384.1 | 1372.9 | 1359.2 | 1350.4 | 1337.6 | 1325.6 | 1318.4 |
| 1428.9 | 7.5° | 1428.9 | 1426.5 | 1417.7 | 1395.3 | 1359.2 | 1302.4 | 1250.4 | 1204.7 | 1170.3 | 1150.3 |
| 1473.7 | 10° | 1473.7 | 1469.7 | 1456.1 | 1406.5 | 1312.0 | 1187.9 | 1084.7 | 999.0 | 943.0 | 916.6 |
| 1526.5 | 12.5° | 1526.5 | 1521.7 | 1497.7 | 1396.1 | 1222.4 | 1028.6 | 886.2 | 790.9 | 738.9 | 715.6 |
| 1587.4 | 15° | 1589.0 | 1582.6 | 1535.4 | 1346.4 | 1091.9 | 852.5 | 722.0 | 650.8 | 617.2 | 596.4 |
| 1665.0 | 17.5° | 1666.6 | 1655.4 | 1563.4 | 1272.0 | 950.2 | 718.0 | 621.2 | 567.6 | 537.9 | 517.9 |
| 1766.7 | 20° | 1767.5 | 1749.1 | 1585.8 | 1183.1 | 819.7 | 633.2 | 553.1 | 508.3 | 485.9 | 468.3 |
| 1910.8 | 22.5° | 1908.4 | 1882.0 | 1613.0 | 1087.1 | 727.7 | 574.8 | 502.7 | 469.9 | 451.5 | 431.5 |
| 2111.7 | 25° | 2082.9 | 2051.7 | 1646.6 | 998.2 | 664.4 | 524.3 | 465.9 | 438.7 | 417.1 | 393.8 |
| 2375.1 | 27.5° | 2327.0 | 2271.0 | 1686.6 | 925.4 | 610.0 | 481.1 | 432.3 | 401.8 | 377.0 | 357.8 |
| 2673.7 | 30° | 2599.2 | 2507.2 | 1721.9 | 881.3 | 560.3 | 441.1 | 388.2 | 357.8 | 334.6 | 321.0 |
| 2941.8 | 32.5° | 2857.0 | 2732.1 | 1745.1 | 862.1 | 515.5 | 395.4 | 340.2 | 307.4 | 289.8 | 285.8 |
| 3204.4 | 35° | 3100.3 | 2935.4 | 1742.7 | 843.7 | 475.5 | 349.8 | 293.0 | 259.4 | 245.8 | 248.2 |
| 3487.0 | 37.5° | 3380.5 | 3152.4 | 1725.9 | 814.9 | 442.7 | 308.2 | 252.2 | 222.5 | 210.5 | 211.3 |
| 3830.4 | 40° | 3706.3 | 3402.9 | 1715.5 | 760.5 | 406.7 | 269.8 | 218.5 | 194.5 | 185.7 | 182.5 |
| 4192.2 | 42.5° | 4053.7 | 3645.5 | 1717.1 | 698.8 | 361.8 | 235.3 | 195.3 | 175.3 | 167.3 | 164.9 |
| 4594.9 | 45° | 4402.7 | 3876.8 | 1719.5 | 634.8 | 314.6 | 208.9 | 178.5 | 161.7 | 156.9 | 153.7 |
| 5003.1 | 47.5° | 4730.9 | 4073.7 | 1674.6 | 566.0 | 268.2 | 188.9 | 164.9 | 153.7 | 149.7 | 145.7 |
| 5413.0 | 50° | 5036.7 | 4205.0 | 1566.6 | 485.9 | 231.3 | 172.9 | 154.5 | 146.5 | 142.5 | 138.5 |
| 5784.4 | 52.5° | 5274.5 | 4225.8 | 1388.1 | 403.5 | 205.7 | 160.9 | 148.1 | 140.9 | 136.1 | 132.1 |
| 6084.6 | 55° | 5380.1 | 4095.3 | 1134.3 | 326.6 | 185.7 | 150.5 | 141.7 | 134.5 | 128.9 | 124.9 |
| 6320.7 | 57.5° | 5352.9 | 3820.8 | 884.5 | 262.6 | 166.5 | 140.1 | 133.7 | 128.9 | 122.5 | 116.1 |
| 6512.0 | 60° | 5219.2 | 3453.3 | 666.8 | 218.5 | 148.9 | 128.9 | 124.9 | 120.9 | 112.1 | 102.5 |
| 6585.7 | 62.5° | 4987.9 | 2991.5 | 475.5 | 180.9 | 129.7 | 116.1 | 114.5 | 111.3 | 98.5 | 80.9 |
| 6476.8 | 65° | 4634.1 | 2430.3 | 320.2 | 150.5 | 111.3 | 101.7 | 102.5 | 96.9 | 80.0 | 60.0 |
| 6078.2 | 67.5° | 4117.0 | 1777.1 | 204.9 | 123.3 | 92.9 | 84.9 | 85.7 | 82.5 | 68.0 | 51.2 |
| 5322.5 | 70° | 3458.1 | 1176.7 | 133.7 | 93.7 | 74.4 | 65.6 | 70.4 | 71.2 | 57.6 | 41.6 |
| 4084.9 | 72.5° | 2535.2 | 694.8 | 93.7 | 69.6 | 54.4 | 45.6 | 57.6 | 59.2 | 46.4 | 31.2 |
| 2457.5 | 75° | 1444.9 | 329.8 | 70.4 | 50.4 | 33.6 | 32.0 | 44.8 | 44.8 | 32.0 | 20.8 |
| 1063.9 | 77.5° | 606.8 | 137.7 | 49.6 | 32.8 | 19.2 | 18.4 | 30.4 | 28.0 | 16.0 | 9.6 |
| 259.4 | 80° | 175.3 | 61.6 | 26.4 | 16.0 | 8.0 | 7.2 | 12.0 | 8.8 | 4.0 | 1.6 |
| 98.5 | 82.5° | 68.8 | 27.2 | 10.4 | 6.4 | 3.2 | 3.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| 56.0 | 85° | 40.8 | 11.2 | 4.8 | 2.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.0 | 87.5° | 10.4 | 2.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° |
|--------|
| 1388.9 |
| 1379.3 |
| 1320.0 |
| 1151.1 |
| 914.2 |
| 713.2 |
| 597.2 |
| 516.3 |
| 465.1 |
| 428.3 |
| 391.4 |
| 353.8 |
| 318.6 |
| 288.2 |
| 248.2 |
| 214.5 |
| 181.7 |
| 164.1 |
| 153.7 |
| 145.7 |
| 138.5 |
| 131.3 |
| 124.1 |
| 115.3 |
| 100.9 |
| 79.2 |
| 58.4 |
| 48.8 |
| 40.0 |
| 29.6 |
| 19.2 |
| 9.6 |
| 1.6 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)