

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: P847908

Luminaire Tested: **GLAN-SB4B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

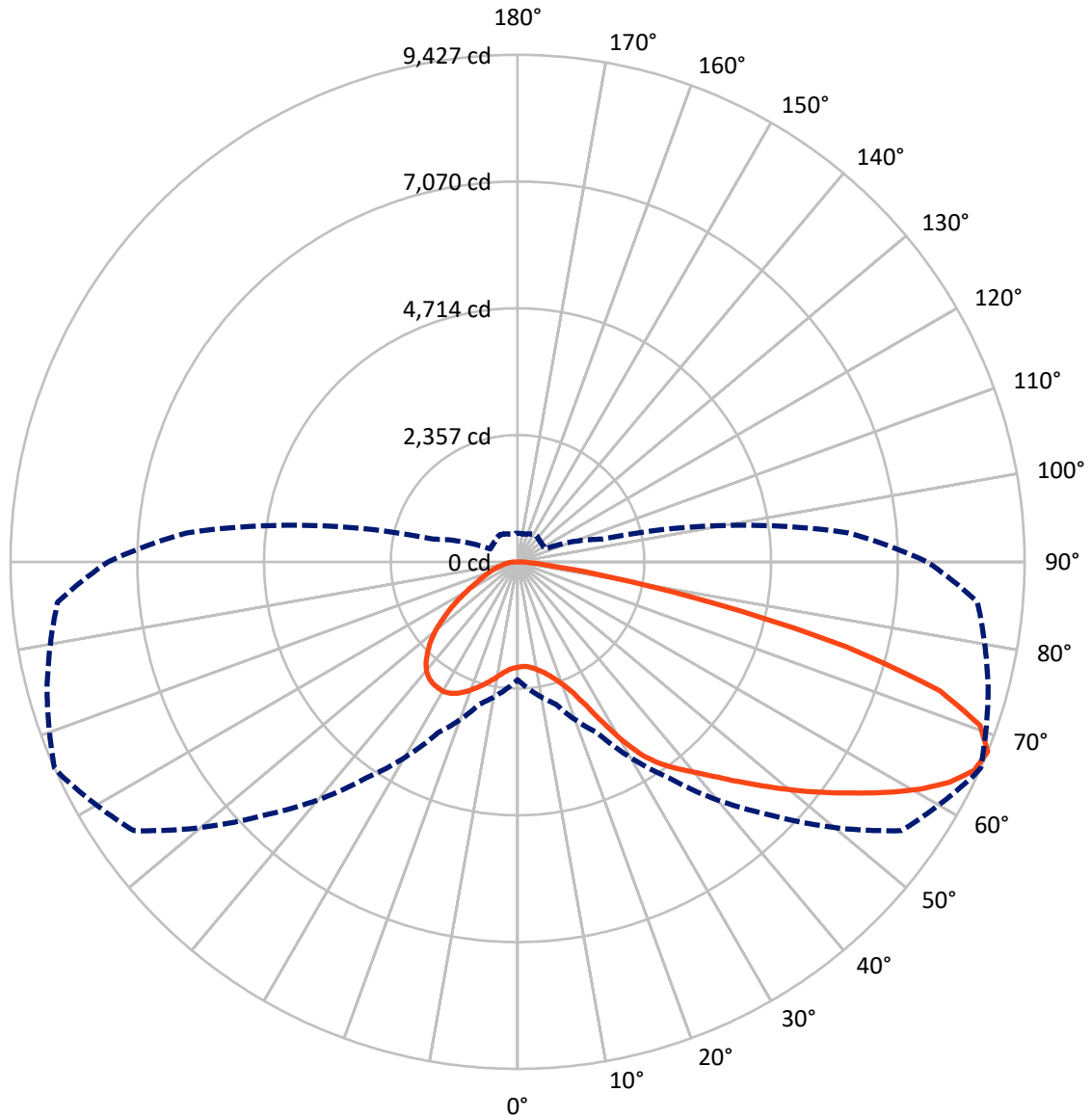
Lumens per Lamp: N/A
Luminaire Lumens: 17660 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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: P847908
CATALOG NUMBER: GLAN-SB4B-722-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847908
 CATALOG NUMBER: GLAN-SB4B-722-U-T3

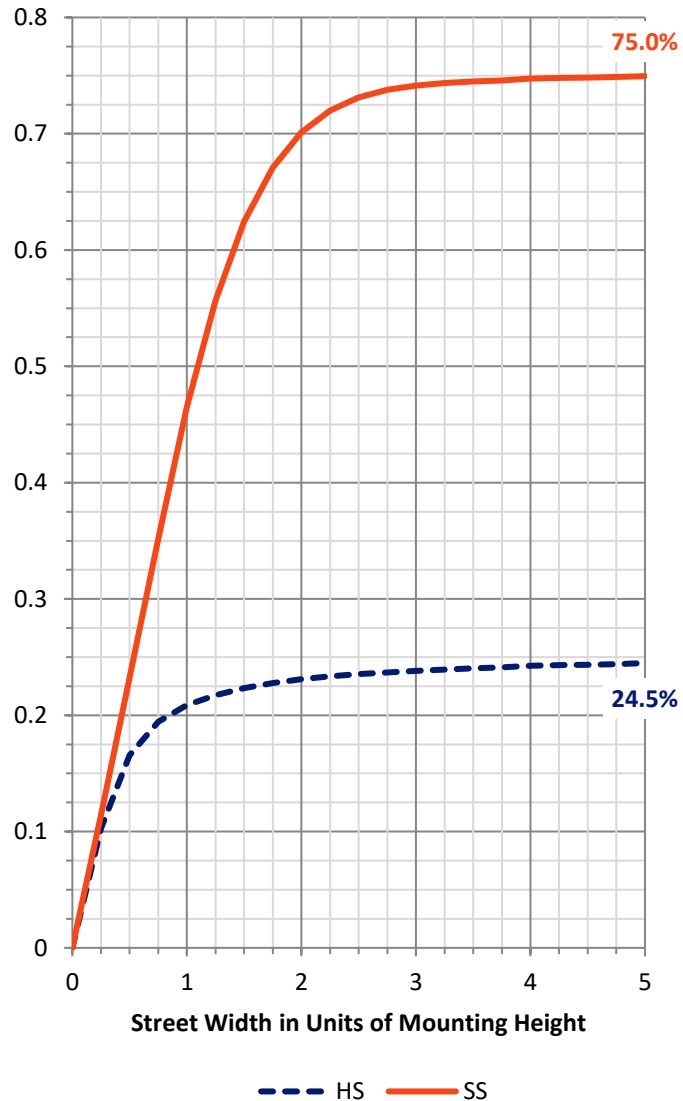
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4391.1 | 0.0 | 4391.1 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 13268.9 | 0.0 | 13268.9 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 17660.0 | 0.0 | 17660.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 194.2 | 1.1 |
| 10°-20° | 641.6 | 3.6 |
| 20°-30° | 1236.7 | 7.0 |
| 30°-40° | 2168.3 | 12.3 |
| 40°-50° | 3223.6 | 18.3 |
| 50°-60° | 4086.2 | 23.1 |
| 60°-70° | 3998.3 | 22.6 |
| 70°-80° | 1907.2 | 10.8 |
| 80°-90° | 203.8 | 1.2 |
| 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° | 17660.0 | 100.0 |
| 0°-180° | 17660.0 | 100.0 |

Coefficient of Utilization



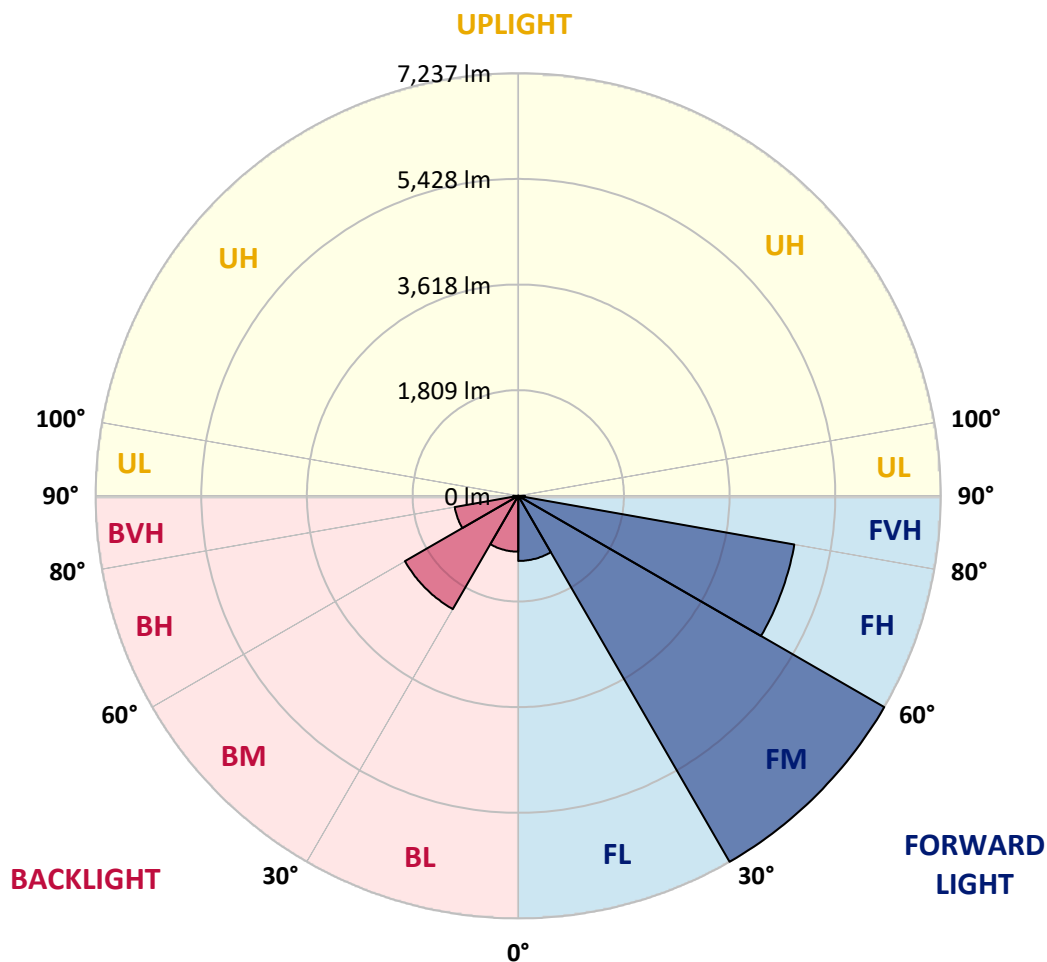
REPORT NUMBER: P847908
 CATALOG NUMBER: GLAN-SB4B-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1115.9 | 6.3 | | | |
| FM (30°-60°) | 7236.9 | 41.0 | | | |
| FH (60°-80°) | 4800.5 | 27.2 | | | G2/5000 |
| FVH (80°-90°) | 115.6 | 0.7 | | | G2/225 |
| BL (0°-30°) | 956.5 | 5.4 | B2/1000 | | |
| BM (30°-60°) | 2241.3 | 12.7 | B2/2500 | | |
| BH (60°-80°) | 1105.0 | 6.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 88.3 | 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 III Short



REPORT NUMBER: P847908
 CATALOG NUMBER: GLAN-SB4B-722-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 2.5° | 1938.3 | 1949.4 | 1946.7 | 1942.0 | 1941.1 | 1943.0 | 1945.7 | 1948.5 | 1947.6 | 1952.2 |
| 5° | 1932.7 | 1943.9 | 1943.0 | 1943.0 | 1946.7 | 1954.1 | 1958.7 | 1963.4 | 1958.7 | 1964.3 |
| 7.5° | 1936.5 | 1944.8 | 1948.5 | 1952.2 | 1961.5 | 1975.4 | 1986.6 | 1996.8 | 1991.2 | 1997.7 |
| 10° | 1983.8 | 1990.3 | 1994.0 | 1994.0 | 2000.5 | 2016.3 | 2027.4 | 2045.9 | 2041.3 | 2051.5 |
| 12.5° | 2070.1 | 2076.6 | 2076.6 | 2072.9 | 2077.5 | 2087.7 | 2091.4 | 2111.8 | 2103.5 | 2120.2 |
| 15° | 2175.8 | 2188.8 | 2178.6 | 2172.1 | 2174.0 | 2184.2 | 2183.3 | 2199.0 | 2190.7 | 2204.6 |
| 17.5° | 2292.8 | 2309.5 | 2292.8 | 2291.8 | 2288.1 | 2299.3 | 2300.2 | 2314.1 | 2299.3 | 2309.5 |
| 20° | 2431.0 | 2454.2 | 2440.3 | 2444.9 | 2436.6 | 2441.2 | 2445.9 | 2466.3 | 2443.1 | 2450.5 |
| 22.5° | 2625.9 | 2653.7 | 2638.9 | 2656.5 | 2650.9 | 2647.2 | 2646.3 | 2682.5 | 2646.3 | 2649.1 |
| 25° | 2909.8 | 2943.2 | 2917.2 | 2941.3 | 2941.3 | 2953.4 | 2967.3 | 3013.7 | 2953.4 | 2935.8 |
| 27.5° | 3329.2 | 3362.6 | 3311.6 | 3326.4 | 3321.8 | 3351.5 | 3336.6 | 3451.7 | 3386.7 | 3358.0 |
| 30° | 3833.9 | 3893.3 | 3796.8 | 3793.1 | 3788.5 | 3835.8 | 3857.1 | 3933.2 | 3867.3 | 3838.6 |
| 32.5° | 4379.5 | 4441.7 | 4326.6 | 4293.2 | 4275.6 | 4304.4 | 4286.7 | 4348.0 | 4302.5 | 4258.0 |
| 35° | 4956.7 | 5017.9 | 4908.4 | 4843.5 | 4772.9 | 4712.6 | 4649.5 | 4665.3 | 4622.6 | 4554.9 |
| 37.5° | 5502.3 | 5614.5 | 5498.5 | 5429.0 | 5299.0 | 5181.2 | 5004.9 | 4931.6 | 4891.7 | 4829.5 |
| 40° | 6058.0 | 6122.1 | 6033.9 | 5974.5 | 5833.5 | 5648.9 | 5366.8 | 5211.8 | 5158.0 | 5097.7 |
| 42.5° | 6467.2 | 6528.5 | 6481.2 | 6440.3 | 6329.9 | 6115.6 | 5750.9 | 5557.0 | 5479.1 | 5411.3 |
| 45° | 6792.0 | 6837.5 | 6807.8 | 6822.6 | 6775.3 | 6567.4 | 6149.0 | 5927.2 | 5846.5 | 5763.9 |
| 47.5° | 6922.8 | 6971.1 | 7018.4 | 7106.5 | 7187.3 | 7034.2 | 6576.7 | 6328.1 | 6242.7 | 6158.3 |
| 50° | 6908.0 | 6957.1 | 7094.5 | 7281.9 | 7532.4 | 7481.4 | 7027.7 | 6754.9 | 6676.0 | 6579.5 |
| 52.5° | 6789.2 | 6844.9 | 7021.2 | 7332.9 | 7731.9 | 7816.4 | 7487.0 | 7195.6 | 7121.4 | 7006.3 |
| 55° | 6477.4 | 6510.8 | 6775.3 | 7217.0 | 7779.2 | 8050.2 | 7937.0 | 7665.1 | 7590.9 | 7430.4 |
| 57.5° | 5899.4 | 5947.6 | 6332.7 | 6904.3 | 7660.5 | 8208.8 | 8332.2 | 8158.7 | 8087.3 | 7856.3 |
| 60° | 5145.0 | 5222.0 | 5662.8 | 6379.1 | 7358.0 | 8207.9 | 8691.3 | 8644.0 | 8584.6 | 8275.6 |
| 62.5° | 4291.4 | 4380.5 | 4804.5 | 5636.8 | 6829.1 | 7975.0 | 8915.9 | 9050.4 | 9019.8 | 8662.6 |
| 65° | 3295.8 | 3357.0 | 3779.2 | 4676.5 | 6006.1 | 7474.9 | 8941.9 | 9327.8 | 9333.4 | 8956.7 |
| 67.5° | 2194.4 | 2370.7 | 2737.2 | 3509.2 | 4903.8 | 6657.4 | 8713.6 | 9373.3 | 9427.1 | 9057.8 |
| 70° | 1070.8 | 1302.7 | 1661.8 | 2280.7 | 3509.2 | 5403.9 | 8117.0 | 9000.3 | 9120.0 | 8762.8 |
| 72.5° | 444.4 | 519.6 | 715.4 | 1125.5 | 2014.4 | 3646.5 | 6918.2 | 7988.9 | 8210.7 | 7764.4 |
| 75° | 299.7 | 324.8 | 409.2 | 577.1 | 917.7 | 1798.2 | 4989.1 | 5956.9 | 6314.1 | 5864.1 |
| 77.5° | 231.0 | 246.8 | 297.8 | 403.6 | 545.6 | 680.1 | 2670.4 | 3589.9 | 3774.6 | 3494.3 |
| 80° | 181.9 | 193.9 | 222.7 | 294.1 | 386.9 | 363.7 | 910.2 | 1626.6 | 1733.3 | 1454.0 |
| 82.5° | 157.7 | 162.4 | 159.6 | 199.5 | 257.0 | 212.5 | 298.8 | 600.3 | 662.5 | 480.6 |
| 85° | 114.1 | 127.1 | 132.7 | 123.4 | 136.4 | 107.6 | 122.5 | 212.5 | 233.8 | 208.8 |
| 87.5° | 46.4 | 68.7 | 84.4 | 79.8 | 50.1 | 30.6 | 38.0 | 62.2 | 71.4 | 77.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P847908
 CATALOG NUMBER: GLAN-SB4B-722-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1958.7 | 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 1959.7 | 2.5° | 1960.6 | 1967.1 | 1971.7 | 1977.3 | 1981.0 | 1986.6 | 1997.7 | 2004.2 | 2005.1 | 2009.8 |
| 1974.5 | 5° | 1978.2 | 1987.5 | 1997.7 | 2012.5 | 2029.2 | 2043.2 | 2064.5 | 2079.4 | 2084.9 | 2089.6 |
| 2010.7 | 7.5° | 2016.3 | 2029.2 | 2047.8 | 2073.8 | 2097.9 | 2116.5 | 2142.4 | 2160.1 | 2177.7 | 2184.2 |
| 2068.2 | 10° | 2072.9 | 2091.4 | 2118.3 | 2153.6 | 2179.6 | 2203.7 | 2230.6 | 2245.4 | 2263.1 | 2270.5 |
| 2136.9 | 12.5° | 2143.4 | 2162.9 | 2198.1 | 2247.3 | 2271.4 | 2288.1 | 2297.4 | 2293.7 | 2297.4 | 2303.9 |
| 2219.5 | 15° | 2224.1 | 2245.4 | 2285.3 | 2338.2 | 2354.9 | 2340.1 | 2319.7 | 2301.1 | 2298.3 | 2300.2 |
| 2319.7 | 17.5° | 2319.7 | 2335.4 | 2381.8 | 2426.4 | 2414.3 | 2353.1 | 2308.5 | 2278.8 | 2264.0 | 2259.4 |
| 2447.7 | 20° | 2453.3 | 2453.3 | 2491.3 | 2519.2 | 2438.4 | 2334.5 | 2264.9 | 2216.7 | 2186.1 | 2173.1 |
| 2622.2 | 22.5° | 2615.7 | 2600.8 | 2624.9 | 2605.5 | 2433.8 | 2282.6 | 2186.1 | 2102.5 | 2056.2 | 2037.6 |
| 2866.2 | 25° | 2821.6 | 2804.0 | 2797.5 | 2676.9 | 2400.4 | 2200.0 | 2043.2 | 1942.0 | 1901.2 | 1891.0 |
| 3217.8 | 27.5° | 3132.5 | 3087.9 | 3003.5 | 2715.9 | 2339.2 | 2070.1 | 1876.1 | 1782.4 | 1759.2 | 1760.2 |
| 3669.7 | 30° | 3546.3 | 3457.2 | 3250.3 | 2722.4 | 2238.9 | 1886.4 | 1705.4 | 1638.6 | 1627.5 | 1632.1 |
| 4049.2 | 32.5° | 3929.5 | 3845.1 | 3502.7 | 2692.7 | 2084.9 | 1706.3 | 1552.3 | 1507.8 | 1491.1 | 1496.6 |
| 4338.7 | 35° | 4230.1 | 4206.9 | 3736.5 | 2650.9 | 1895.6 | 1537.5 | 1415.0 | 1377.0 | 1344.5 | 1337.1 |
| 4611.5 | 37.5° | 4514.1 | 4504.8 | 3911.9 | 2592.5 | 1708.2 | 1417.8 | 1304.6 | 1254.5 | 1207.2 | 1181.2 |
| 4913.1 | 40° | 4825.8 | 4816.6 | 4026.9 | 2502.5 | 1542.1 | 1313.9 | 1205.3 | 1139.4 | 1081.0 | 1033.6 |
| 5254.5 | 42.5° | 5176.6 | 5121.8 | 4081.7 | 2373.5 | 1401.1 | 1225.7 | 1124.6 | 1035.5 | 958.5 | 914.9 |
| 5640.5 | 45° | 5559.8 | 5436.4 | 4080.8 | 2209.3 | 1282.3 | 1145.0 | 1038.3 | 912.1 | 840.6 | 799.8 |
| 6036.7 | 47.5° | 5966.2 | 5737.0 | 4030.7 | 2027.4 | 1167.3 | 1055.9 | 904.7 | 808.2 | 760.9 | 735.8 |
| 6467.2 | 50° | 6385.6 | 6018.1 | 3945.3 | 1818.6 | 1049.4 | 954.8 | 821.2 | 755.3 | 719.1 | 695.9 |
| 6894.1 | 52.5° | 6779.9 | 6273.3 | 3842.3 | 1582.0 | 929.7 | 856.4 | 784.0 | 733.0 | 695.0 | 669.0 |
| 7307.9 | 55° | 7146.4 | 6493.2 | 3696.6 | 1339.8 | 832.3 | 790.5 | 766.4 | 723.7 | 680.1 | 649.5 |
| 7728.2 | 57.5° | 7472.1 | 6636.1 | 3445.2 | 1112.5 | 762.7 | 745.1 | 747.9 | 708.0 | 657.9 | 631.9 |
| 8142.0 | 60° | 7743.1 | 6741.0 | 3073.1 | 901.9 | 706.1 | 700.5 | 719.1 | 678.3 | 619.8 | 590.1 |
| 8491.8 | 62.5° | 7905.4 | 6739.1 | 2616.6 | 738.6 | 657.9 | 659.7 | 681.1 | 641.2 | 581.8 | 553.9 |
| 8674.6 | 65° | 7891.5 | 6573.9 | 2115.5 | 631.9 | 611.5 | 613.3 | 641.2 | 600.3 | 550.2 | 533.5 |
| 8582.8 | 67.5° | 7612.2 | 6171.2 | 1622.8 | 562.3 | 560.4 | 568.8 | 601.3 | 572.5 | 530.7 | 528.9 |
| 8035.3 | 70° | 6856.0 | 5335.2 | 1169.1 | 506.6 | 507.5 | 519.6 | 562.3 | 554.9 | 520.5 | 524.2 |
| 6755.8 | 72.5° | 5497.6 | 4067.8 | 785.0 | 448.2 | 449.1 | 468.6 | 525.2 | 540.9 | 510.3 | 559.5 |
| 4793.4 | 75° | 3661.4 | 2536.8 | 504.8 | 386.0 | 386.9 | 412.0 | 492.7 | 514.0 | 482.5 | 557.6 |
| 2494.1 | 77.5° | 1759.2 | 1140.3 | 365.6 | 324.8 | 324.8 | 348.0 | 425.9 | 460.2 | 411.0 | 433.3 |
| 801.7 | 80° | 607.8 | 428.7 | 287.6 | 261.7 | 256.1 | 271.9 | 359.1 | 399.0 | 354.4 | 326.6 |
| 261.7 | 82.5° | 239.4 | 222.7 | 231.0 | 203.2 | 184.6 | 194.9 | 279.3 | 329.4 | 260.7 | 235.7 |
| 147.5 | 85° | 137.3 | 144.7 | 163.3 | 134.5 | 106.7 | 119.7 | 205.1 | 236.6 | 196.7 | 173.5 |
| 48.2 | 87.5° | 37.1 | 51.0 | 75.2 | 69.6 | 48.2 | 51.0 | 97.4 | 130.8 | 113.2 | 87.2 |
| 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° |
|--------|
| 1958.7 |
| 2008.8 |
| 2088.6 |
| 2185.1 |
| 2274.2 |
| 2305.7 |
| 2306.7 |
| 2265.9 |
| 2170.3 |
| 2034.8 |
| 1892.8 |
| 1762.9 |
| 1647.9 |
| 1504.1 |
| 1342.6 |
| 1182.1 |
| 1038.3 |
| 917.7 |
| 798.0 |
| 730.2 |
| 687.5 |
| 657.9 |
| 637.4 |
| 615.2 |
| 577.1 |
| 545.6 |
| 532.6 |
| 531.7 |
| 523.3 |
| 566.9 |
| 562.3 |
| 397.1 |
| 306.2 |
| 234.8 |
| 177.2 |
| 90.0 |
| 0.0 |

F REPORT)