

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: P848718

Luminaire Tested: **GLAN-SB5B-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848718
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-SB5B-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19203 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

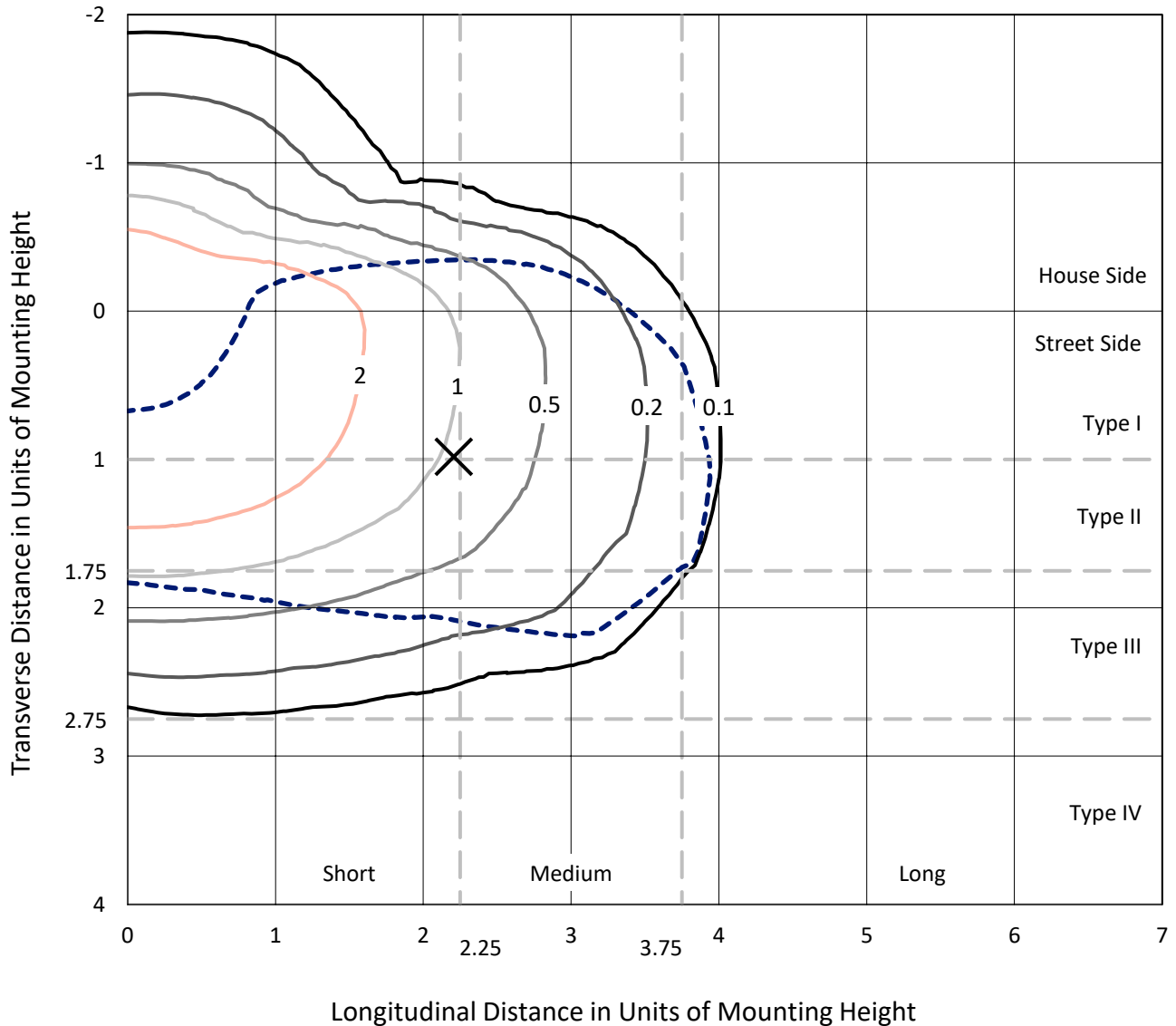
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848718
 CATALOG NUMBER: GLAN-SB5B-930-U-T3

Iso-Footcandle Lines of Horizontal Illumination

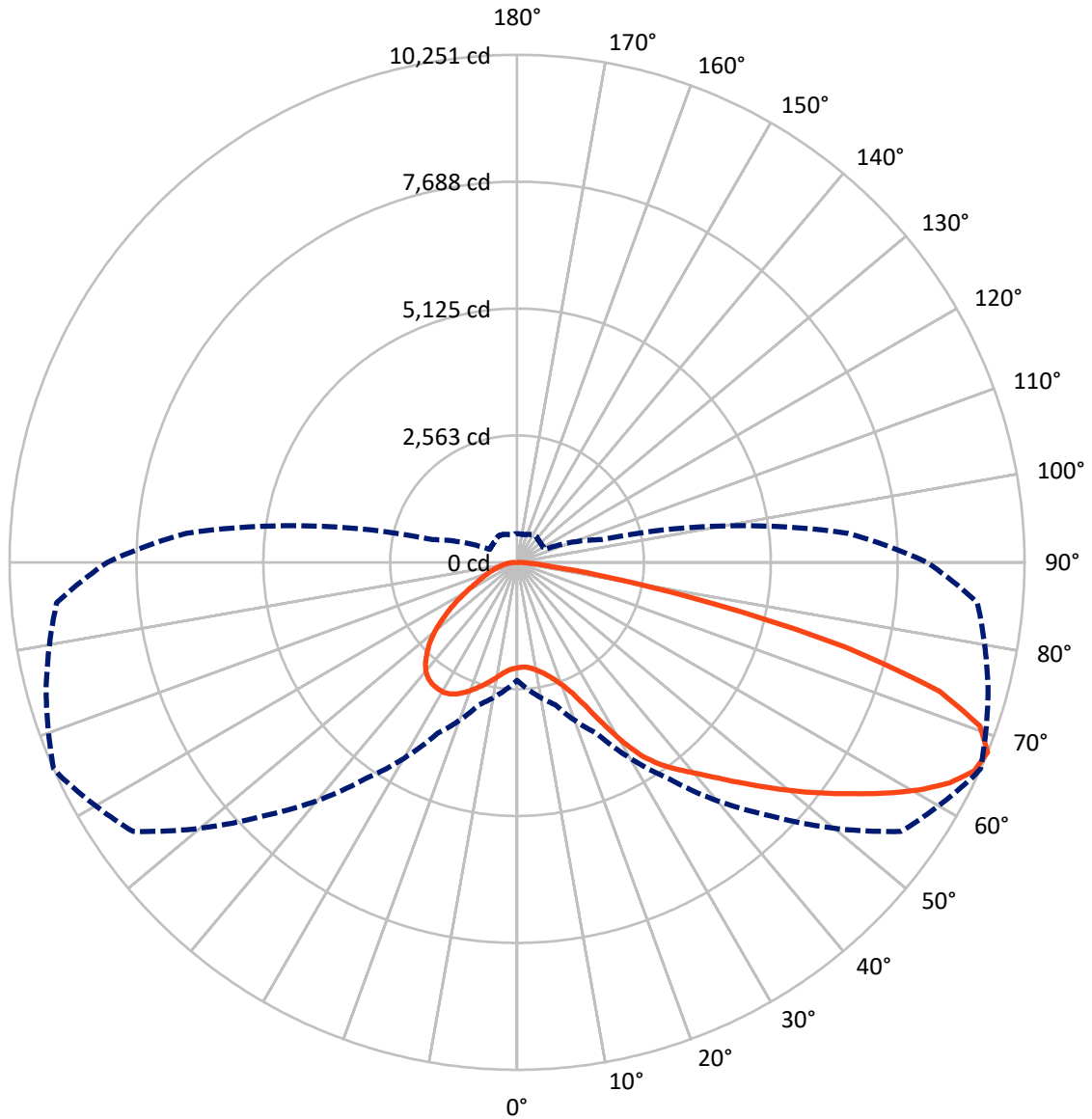
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

REPORT NUMBER: P848718
CATALOG NUMBER: GLAN-SB5B-930-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848718
 CATALOG NUMBER: GLAN-SB5B-930-U-T3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4774.8 | 0.0 | 4774.8 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 14428.2 | 0.0 | 14428.2 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 19203.0 | 0.0 | 19203.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 211.2 | 1.1 |
| 10°-20° | 697.7 | 3.6 |
| 20°-30° | 1344.7 | 7.0 |
| 30°-40° | 2357.8 | 12.3 |
| 40°-50° | 3505.3 | 18.3 |
| 50°-60° | 4443.3 | 23.1 |
| 60°-70° | 4347.6 | 22.6 |
| 70°-80° | 2073.9 | 10.8 |
| 80°-90° | 221.6 | 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° | 19203.0 | 100.0 |
| 0°-180° | 19203.0 | 100.0 |

Coefficient of Utilization



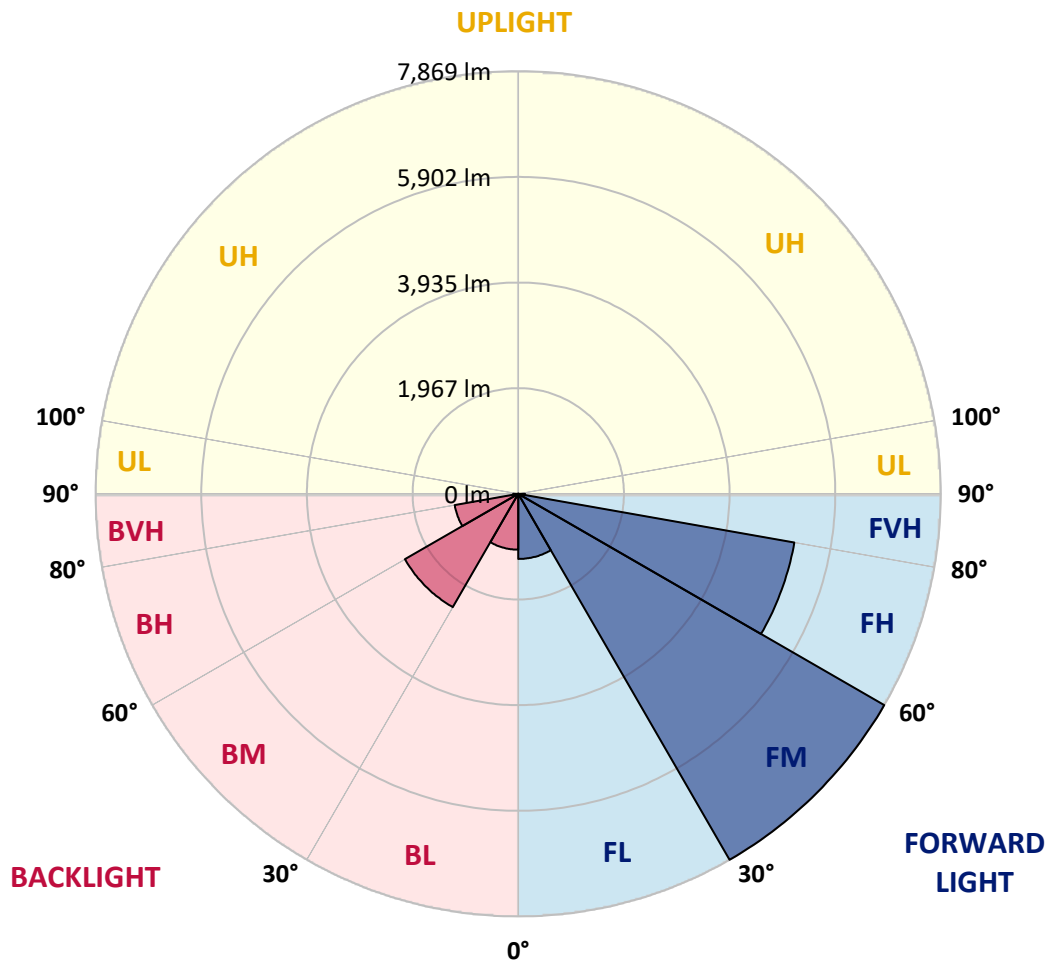
REPORT NUMBER: P848718
 CATALOG NUMBER: GLAN-SB5B-930-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1213.4 | 6.3 | | | |
| FM (30°-60°) | 7869.2 | 41.0 | | | |
| FH (60°-80°) | 5219.9 | 27.2 | | | G3/7500 |
| FVH (80°-90°) | 125.7 | 0.7 | | | G2/225 |
| BL (0°-30°) | 1040.1 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 2437.1 | 12.7 | B2/2500 | | |
| BH (60°-80°) | 1201.6 | 6.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 96.0 | 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: P848718
 CATALOG NUMBER: GLAN-SB5B-930-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| 0° | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 |
| 2.5° | 2107.7 | 2119.8 | 2116.8 | 2111.7 | 2110.7 | 2112.7 | 2115.7 | 2118.8 | 2117.8 | 2122.8 |
| 5° | 2101.6 | 2113.7 | 2112.7 | 2112.7 | 2116.8 | 2124.8 | 2129.9 | 2134.9 | 2129.9 | 2135.9 |
| 7.5° | 2105.7 | 2114.7 | 2118.8 | 2122.8 | 2132.9 | 2148.0 | 2160.1 | 2171.2 | 2165.2 | 2172.2 |
| 10° | 2157.1 | 2164.2 | 2168.2 | 2168.2 | 2175.3 | 2192.4 | 2204.5 | 2224.7 | 2219.7 | 2230.8 |
| 12.5° | 2250.9 | 2258.0 | 2258.0 | 2254.0 | 2259.0 | 2270.1 | 2274.1 | 2296.3 | 2287.3 | 2305.4 |
| 15° | 2366.0 | 2380.1 | 2369.0 | 2361.9 | 2363.9 | 2375.0 | 2374.0 | 2391.2 | 2382.1 | 2397.2 |
| 17.5° | 2493.1 | 2511.2 | 2493.1 | 2492.1 | 2488.0 | 2500.1 | 2501.2 | 2516.3 | 2500.1 | 2511.2 |
| 20° | 2643.4 | 2668.6 | 2653.5 | 2658.5 | 2649.5 | 2654.5 | 2659.6 | 2681.8 | 2656.5 | 2664.6 |
| 22.5° | 2855.3 | 2885.6 | 2869.4 | 2888.6 | 2882.5 | 2878.5 | 2877.5 | 2916.8 | 2877.5 | 2880.5 |
| 25° | 3164.0 | 3200.3 | 3172.1 | 3198.3 | 3198.3 | 3211.4 | 3226.6 | 3277.0 | 3211.4 | 3192.3 |
| 27.5° | 3620.1 | 3656.4 | 3600.9 | 3617.0 | 3612.0 | 3644.3 | 3628.1 | 3753.2 | 3682.6 | 3651.3 |
| 30° | 4168.9 | 4233.5 | 4128.6 | 4124.5 | 4119.5 | 4170.9 | 4194.2 | 4276.9 | 4205.3 | 4174.0 |
| 32.5° | 4762.2 | 4829.8 | 4704.7 | 4668.4 | 4649.2 | 4680.5 | 4661.3 | 4727.9 | 4678.4 | 4630.0 |
| 35° | 5389.7 | 5456.3 | 5337.3 | 5266.7 | 5190.0 | 5124.4 | 5055.8 | 5072.9 | 5026.5 | 4952.9 |
| 37.5° | 5983.0 | 6105.1 | 5979.0 | 5903.3 | 5762.0 | 5633.9 | 5442.2 | 5362.5 | 5319.1 | 5251.5 |
| 40° | 6587.4 | 6657.0 | 6561.1 | 6496.5 | 6343.2 | 6142.4 | 5835.7 | 5667.2 | 5608.7 | 5543.1 |
| 42.5° | 7032.3 | 7098.9 | 7047.4 | 7003.0 | 6883.0 | 6649.9 | 6253.4 | 6042.5 | 5957.8 | 5884.1 |
| 45° | 7385.4 | 7434.9 | 7402.6 | 7418.7 | 7367.3 | 7141.3 | 6686.2 | 6445.1 | 6357.3 | 6267.5 |
| 47.5° | 7527.7 | 7580.1 | 7631.6 | 7727.5 | 7815.2 | 7648.8 | 7151.3 | 6881.0 | 6788.1 | 6696.3 |
| 50° | 7511.5 | 7565.0 | 7714.3 | 7918.1 | 8190.6 | 8135.1 | 7641.7 | 7345.1 | 7259.3 | 7154.4 |
| 52.5° | 7382.4 | 7442.9 | 7634.6 | 7973.6 | 8407.5 | 8499.3 | 8141.1 | 7824.3 | 7743.6 | 7618.5 |
| 55° | 7043.4 | 7079.7 | 7367.3 | 7847.5 | 8458.9 | 8753.5 | 8630.4 | 8334.8 | 8254.1 | 8079.6 |
| 57.5° | 6414.8 | 6467.3 | 6886.0 | 7507.5 | 8329.8 | 8926.1 | 9060.3 | 8871.6 | 8793.9 | 8542.7 |
| 60° | 5594.6 | 5678.3 | 6157.5 | 6936.4 | 8000.9 | 8925.1 | 9450.7 | 9399.3 | 9334.7 | 8998.7 |
| 62.5° | 4666.3 | 4763.2 | 5224.3 | 6129.3 | 7425.8 | 8671.8 | 9694.9 | 9841.2 | 9807.9 | 9419.4 |
| 65° | 3583.7 | 3650.3 | 4109.4 | 5085.0 | 6530.9 | 8128.0 | 9723.1 | 10142.8 | 10148.9 | 9739.3 |
| 67.5° | 2386.1 | 2577.8 | 2976.4 | 3815.8 | 5332.2 | 7239.1 | 9474.9 | 10192.3 | 10250.8 | 9849.2 |
| 70° | 1164.3 | 1416.5 | 1807.0 | 2480.0 | 3815.8 | 5876.1 | 8826.2 | 9786.7 | 9916.8 | 9528.4 |
| 72.5° | 483.3 | 565.0 | 777.9 | 1223.8 | 2190.4 | 3965.1 | 7522.6 | 8686.9 | 8928.1 | 8442.8 |
| 75° | 325.9 | 353.1 | 444.9 | 627.6 | 997.8 | 1955.3 | 5425.1 | 6477.4 | 6865.8 | 6376.5 |
| 77.5° | 251.2 | 268.4 | 323.9 | 438.9 | 593.3 | 739.6 | 2903.7 | 3903.6 | 4104.4 | 3799.7 |
| 80° | 197.8 | 210.9 | 242.1 | 319.8 | 420.7 | 395.5 | 989.8 | 1768.7 | 1884.7 | 1581.0 |
| 82.5° | 171.5 | 176.6 | 173.5 | 216.9 | 279.5 | 231.0 | 324.9 | 652.8 | 720.4 | 522.6 |
| 85° | 124.1 | 138.2 | 144.3 | 134.2 | 148.3 | 117.0 | 133.2 | 231.0 | 254.3 | 227.0 |
| 87.5° | 50.4 | 74.7 | 91.8 | 86.8 | 54.5 | 33.3 | 41.4 | 67.6 | 77.7 | 84.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P848718
 CATALOG NUMBER: GLAN-SB5B-930-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2129.9 | 0° | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 | 2129.9 |
| 2130.9 | 2.5° | 2131.9 | 2138.9 | 2144.0 | 2150.0 | 2154.1 | 2160.1 | 2172.2 | 2179.3 | 2180.3 | 2185.4 |
| 2147.0 | 5° | 2151.1 | 2161.1 | 2172.2 | 2188.4 | 2206.5 | 2221.7 | 2244.9 | 2261.0 | 2267.1 | 2272.1 |
| 2186.4 | 7.5° | 2192.4 | 2206.5 | 2226.7 | 2255.0 | 2281.2 | 2301.4 | 2329.6 | 2348.8 | 2368.0 | 2375.0 |
| 2248.9 | 10° | 2254.0 | 2274.1 | 2303.4 | 2341.7 | 2370.0 | 2396.2 | 2425.5 | 2441.6 | 2460.8 | 2468.9 |
| 2323.6 | 12.5° | 2330.6 | 2351.8 | 2390.2 | 2443.6 | 2469.9 | 2488.0 | 2498.1 | 2494.1 | 2498.1 | 2505.2 |
| 2413.4 | 15° | 2418.4 | 2441.6 | 2485.0 | 2542.5 | 2560.7 | 2544.5 | 2522.3 | 2502.2 | 2499.1 | 2501.2 |
| 2522.3 | 17.5° | 2522.3 | 2539.5 | 2589.9 | 2638.4 | 2625.3 | 2558.7 | 2510.2 | 2477.9 | 2461.8 | 2456.8 |
| 2661.6 | 20° | 2667.6 | 2667.6 | 2709.0 | 2739.3 | 2651.5 | 2538.5 | 2462.8 | 2410.4 | 2377.1 | 2362.9 |
| 2851.3 | 22.5° | 2844.2 | 2828.1 | 2854.3 | 2833.1 | 2646.4 | 2482.0 | 2377.1 | 2286.3 | 2235.8 | 2215.6 |
| 3116.6 | 25° | 3068.2 | 3049.0 | 3041.9 | 2910.8 | 2610.1 | 2392.2 | 2221.7 | 2111.7 | 2067.3 | 2056.2 |
| 3499.0 | 27.5° | 3406.2 | 3357.7 | 3265.9 | 2953.2 | 2543.5 | 2250.9 | 2040.1 | 1938.2 | 1912.9 | 1914.0 |
| 3990.3 | 30° | 3856.2 | 3759.3 | 3534.3 | 2960.2 | 2434.6 | 2051.2 | 1854.4 | 1781.8 | 1769.7 | 1774.7 |
| 4403.0 | 32.5° | 4272.8 | 4181.0 | 3808.7 | 2927.9 | 2267.1 | 1855.4 | 1688.0 | 1639.5 | 1621.4 | 1627.4 |
| 4717.8 | 35° | 4599.7 | 4574.5 | 4063.0 | 2882.5 | 2061.3 | 1671.8 | 1538.6 | 1497.3 | 1462.0 | 1453.9 |
| 5014.4 | 37.5° | 4908.5 | 4898.4 | 4253.7 | 2819.0 | 1857.5 | 1541.7 | 1418.6 | 1364.1 | 1312.6 | 1284.4 |
| 5342.3 | 40° | 5247.5 | 5237.4 | 4378.8 | 2721.1 | 1676.9 | 1428.7 | 1310.6 | 1239.0 | 1175.4 | 1124.0 |
| 5713.6 | 42.5° | 5628.9 | 5569.3 | 4438.3 | 2580.9 | 1523.5 | 1332.8 | 1222.8 | 1126.0 | 1042.2 | 994.8 |
| 6133.3 | 45° | 6045.6 | 5911.4 | 4437.3 | 2402.3 | 1394.4 | 1245.0 | 1129.0 | 991.8 | 914.1 | 869.7 |
| 6564.1 | 47.5° | 6487.5 | 6238.3 | 4382.8 | 2204.5 | 1269.2 | 1148.2 | 983.7 | 878.8 | 827.3 | 800.1 |
| 7032.3 | 50° | 6943.5 | 6544.0 | 4290.0 | 1977.5 | 1141.1 | 1038.2 | 892.9 | 821.3 | 781.9 | 756.7 |
| 7496.4 | 52.5° | 7372.3 | 6821.4 | 4178.0 | 1720.2 | 1011.0 | 931.2 | 852.6 | 797.1 | 755.7 | 727.4 |
| 7946.4 | 55° | 7770.8 | 7060.5 | 4019.6 | 1456.9 | 905.0 | 859.6 | 833.4 | 787.0 | 739.6 | 706.3 |
| 8403.4 | 57.5° | 8125.0 | 7215.9 | 3746.2 | 1209.7 | 829.3 | 810.2 | 813.2 | 769.8 | 715.3 | 687.1 |
| 8853.4 | 60° | 8419.6 | 7329.9 | 3341.6 | 980.7 | 767.8 | 761.7 | 781.9 | 737.5 | 674.0 | 641.7 |
| 9233.8 | 62.5° | 8596.1 | 7327.9 | 2845.2 | 803.1 | 715.3 | 717.4 | 740.6 | 697.2 | 632.6 | 602.3 |
| 9432.6 | 65° | 8581.0 | 7148.3 | 2300.4 | 687.1 | 664.9 | 666.9 | 697.2 | 652.8 | 598.3 | 580.1 |
| 9332.7 | 67.5° | 8277.3 | 6710.4 | 1764.6 | 611.4 | 609.4 | 618.5 | 653.8 | 622.5 | 577.1 | 575.1 |
| 8737.4 | 70° | 7455.0 | 5801.4 | 1271.3 | 550.9 | 551.9 | 565.0 | 611.4 | 603.3 | 566.0 | 570.0 |
| 7346.1 | 72.5° | 5978.0 | 4423.2 | 853.6 | 487.3 | 488.3 | 509.5 | 571.1 | 588.2 | 554.9 | 608.4 |
| 5212.2 | 75° | 3981.3 | 2758.4 | 548.9 | 419.7 | 420.7 | 448.0 | 535.7 | 559.0 | 524.6 | 606.4 |
| 2712.0 | 77.5° | 1912.9 | 1240.0 | 397.5 | 353.1 | 353.1 | 378.4 | 463.1 | 500.4 | 447.0 | 471.2 |
| 871.7 | 80° | 660.9 | 466.1 | 312.8 | 284.5 | 278.5 | 295.6 | 390.5 | 433.8 | 385.4 | 355.1 |
| 284.5 | 82.5° | 260.3 | 242.1 | 251.2 | 221.0 | 200.8 | 211.9 | 303.7 | 358.2 | 283.5 | 256.3 |
| 160.4 | 85° | 149.3 | 157.4 | 177.6 | 146.3 | 116.0 | 130.2 | 223.0 | 257.3 | 213.9 | 188.7 |
| 52.5 | 87.5° | 40.4 | 55.5 | 81.7 | 75.7 | 52.5 | 55.5 | 105.9 | 142.3 | 123.1 | 94.8 |
| 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° |
|--------|
| 2129.9 |
| 2184.3 |
| 2271.1 |
| 2376.0 |
| 2472.9 |
| 2507.2 |
| 2508.2 |
| 2463.8 |
| 2359.9 |
| 2212.6 |
| 2058.2 |
| 1917.0 |
| 1791.9 |
| 1635.5 |
| 1459.9 |
| 1285.4 |
| 1129.0 |
| 997.8 |
| 867.7 |
| 794.0 |
| 747.6 |
| 715.3 |
| 693.1 |
| 668.9 |
| 627.6 |
| 593.3 |
| 579.1 |
| 578.1 |
| 569.0 |
| 616.5 |
| 611.4 |
| 431.8 |
| 332.9 |
| 255.3 |
| 192.7 |
| 97.9 |
| 0.0 |

F REPORT)