

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: P846378

Luminaire Tested: **GLAN-SB2A-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846378
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-SB2A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7020 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

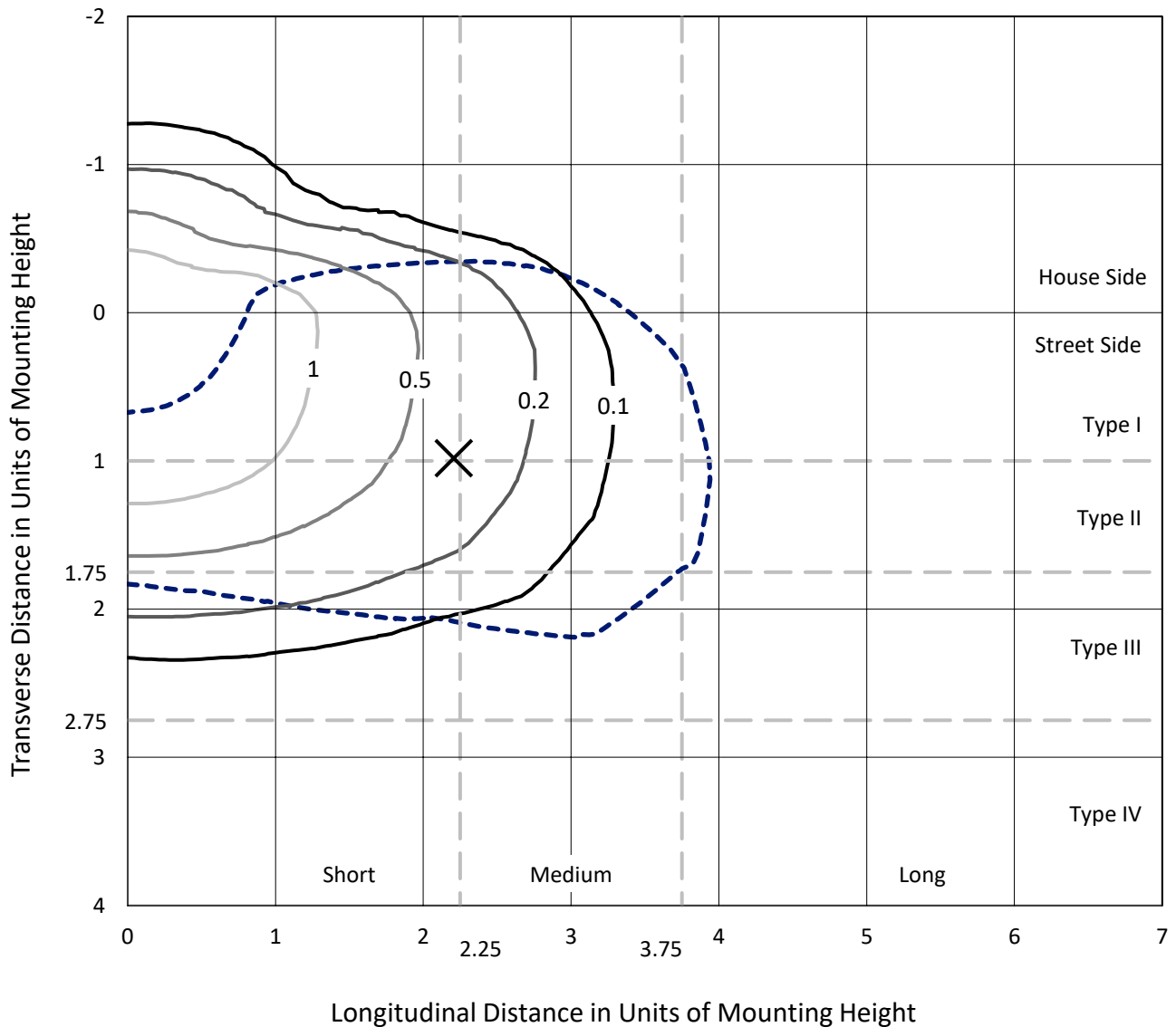
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

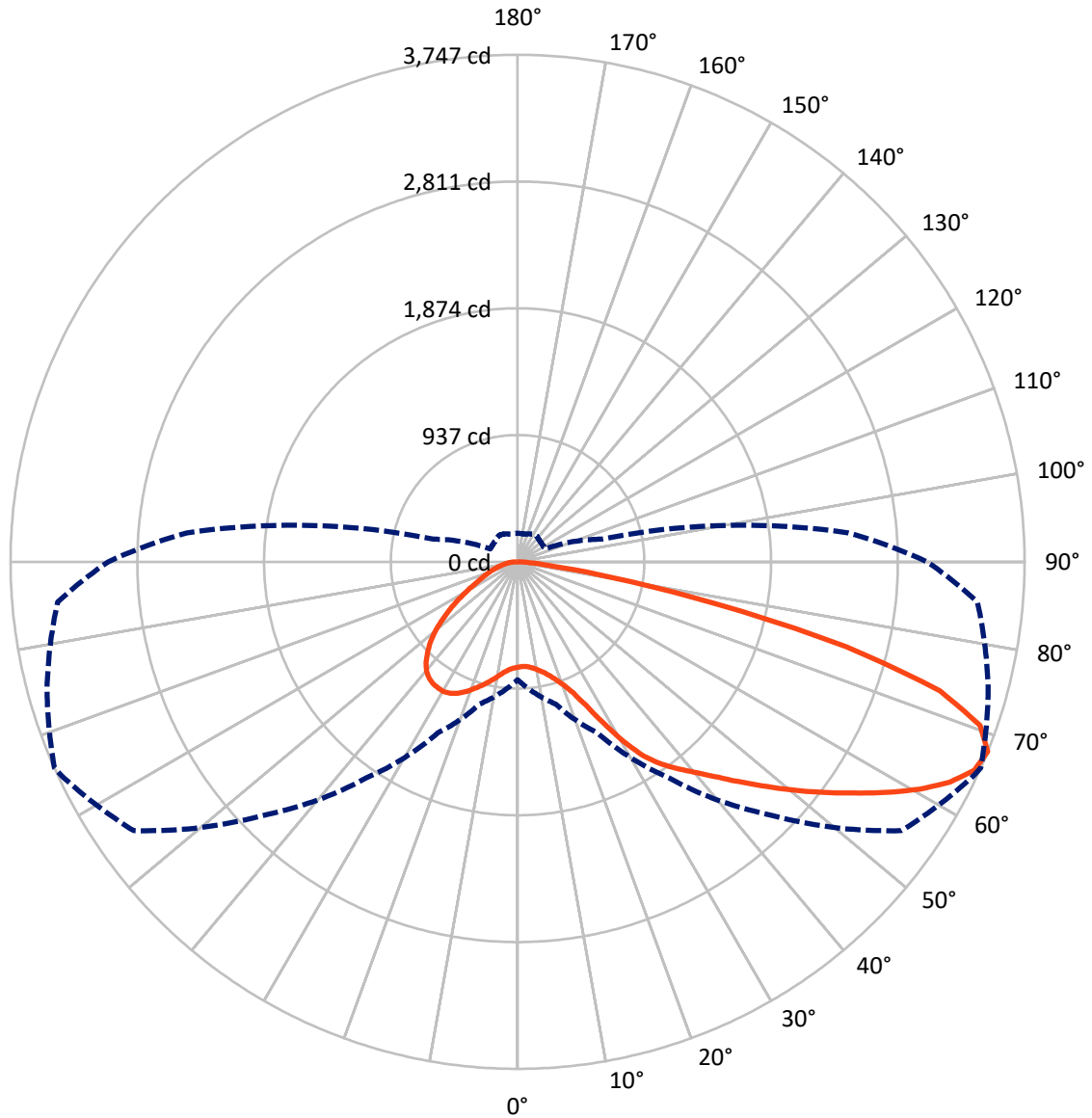
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1745.5 | 0.0 | 1745.5 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 5274.5 | 0.0 | 5274.5 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 7020.0 | 0.0 | 7020.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.2 | 1.1 |
| 10°-20° | 255.0 | 3.6 |
| 20°-30° | 491.6 | 7.0 |
| 30°-40° | 861.9 | 12.3 |
| 40°-50° | 1281.4 | 18.3 |
| 50°-60° | 1624.3 | 23.1 |
| 60°-70° | 1589.3 | 22.6 |
| 70°-80° | 758.1 | 10.8 |
| 80°-90° | 81.0 | 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° | 7020.0 | 100.0 |
| 0°-180° | 7020.0 | 100.0 |

Coefficient of Utilization



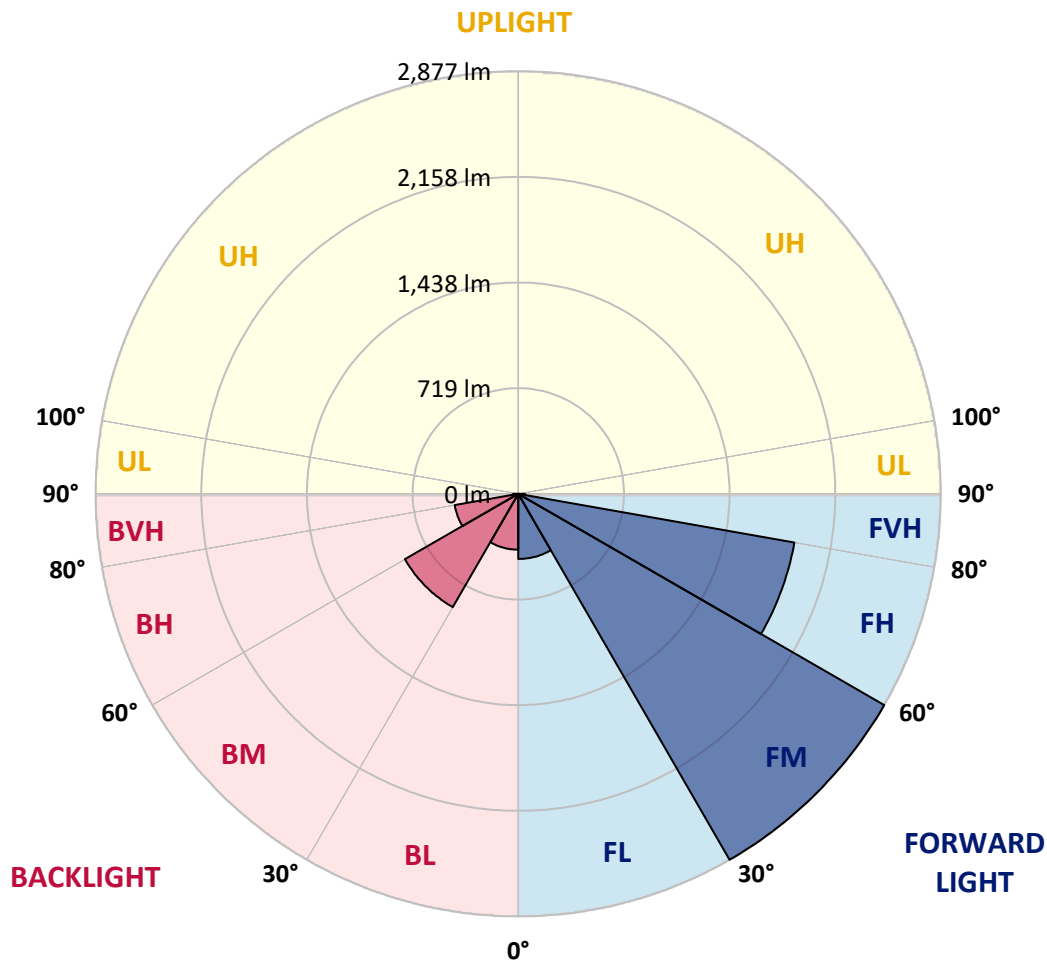
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 443.6 | 6.3 | | | |
| FM (30°-60°) | 2876.7 | 41.0 | | | |
| FH (60°-80°) | 1908.2 | 27.2 | | | G2/5000 |
| FVH (80°-90°) | 45.9 | 0.7 | | | G1/100 |
| BL (0°-30°) | 380.2 | 5.4 | B1/500 | | |
| BM (30°-60°) | 890.9 | 12.7 | B1/1000 | | |
| BH (60°-80°) | 439.3 | 6.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 35.1 | 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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 |
| 2.5° | 770.5 | 774.9 | 773.8 | 772.0 | 771.6 | 772.3 | 773.4 | 774.6 | 774.2 | 776.0 |
| 5° | 768.3 | 772.7 | 772.3 | 772.3 | 773.8 | 776.8 | 778.6 | 780.5 | 778.6 | 780.8 |
| 7.5° | 769.8 | 773.1 | 774.6 | 776.0 | 779.7 | 785.2 | 789.7 | 793.7 | 791.5 | 794.1 |
| 10° | 788.6 | 791.2 | 792.6 | 792.6 | 795.2 | 801.5 | 805.9 | 813.3 | 811.4 | 815.5 |
| 12.5° | 822.9 | 825.5 | 825.5 | 824.0 | 825.8 | 829.9 | 831.4 | 839.5 | 836.1 | 842.8 |
| 15° | 864.9 | 870.1 | 866.0 | 863.4 | 864.2 | 868.2 | 867.9 | 874.1 | 870.8 | 876.4 |
| 17.5° | 911.4 | 918.0 | 911.4 | 911.0 | 909.5 | 914.0 | 914.3 | 919.9 | 914.0 | 918.0 |
| 20° | 966.3 | 975.6 | 970.0 | 971.9 | 968.6 | 970.4 | 972.2 | 980.4 | 971.1 | 974.1 |
| 22.5° | 1043.8 | 1054.9 | 1049.0 | 1056.0 | 1053.8 | 1052.3 | 1051.9 | 1066.3 | 1051.9 | 1053.0 |
| 25° | 1156.7 | 1169.9 | 1159.6 | 1169.2 | 1169.2 | 1174.0 | 1179.5 | 1198.0 | 1174.0 | 1167.0 |
| 27.5° | 1323.4 | 1336.7 | 1316.4 | 1322.3 | 1320.4 | 1332.2 | 1326.3 | 1372.1 | 1346.2 | 1334.8 |
| 30° | 1524.0 | 1547.6 | 1509.3 | 1507.8 | 1506.0 | 1524.8 | 1533.2 | 1563.5 | 1537.3 | 1525.9 |
| 32.5° | 1740.9 | 1765.6 | 1719.9 | 1706.6 | 1699.6 | 1711.0 | 1704.0 | 1728.4 | 1710.3 | 1692.6 |
| 35° | 1970.3 | 1994.7 | 1951.1 | 1925.3 | 1897.3 | 1873.3 | 1848.2 | 1854.5 | 1837.5 | 1810.6 |
| 37.5° | 2187.2 | 2231.8 | 2185.7 | 2158.1 | 2106.4 | 2059.6 | 1989.5 | 1960.4 | 1944.5 | 1919.8 |
| 40° | 2408.1 | 2433.6 | 2398.5 | 2374.9 | 2318.9 | 2245.5 | 2133.3 | 2071.7 | 2050.4 | 2026.4 |
| 42.5° | 2570.8 | 2595.1 | 2576.3 | 2560.1 | 2516.2 | 2431.0 | 2286.0 | 2209.0 | 2178.0 | 2151.0 |
| 45° | 2699.9 | 2717.9 | 2706.1 | 2712.0 | 2693.2 | 2610.6 | 2444.3 | 2356.1 | 2324.0 | 2291.2 |
| 47.5° | 2751.9 | 2771.1 | 2789.9 | 2824.9 | 2857.0 | 2796.1 | 2614.3 | 2515.5 | 2481.5 | 2448.0 |
| 50° | 2746.0 | 2765.5 | 2820.1 | 2894.6 | 2994.2 | 2973.9 | 2793.6 | 2685.1 | 2653.8 | 2615.4 |
| 52.5° | 2698.8 | 2720.9 | 2791.0 | 2914.9 | 3073.5 | 3107.1 | 2976.1 | 2860.3 | 2830.8 | 2785.1 |
| 55° | 2574.8 | 2588.1 | 2693.2 | 2868.8 | 3092.3 | 3200.0 | 3155.0 | 3046.9 | 3017.4 | 2953.6 |
| 57.5° | 2345.1 | 2364.2 | 2517.3 | 2744.5 | 3045.1 | 3263.1 | 3312.1 | 3243.2 | 3214.8 | 3122.9 |
| 60° | 2045.2 | 2075.8 | 2251.0 | 2535.7 | 2924.9 | 3262.7 | 3454.9 | 3436.1 | 3412.5 | 3289.6 |
| 62.5° | 1705.9 | 1741.3 | 1909.8 | 2240.7 | 2714.6 | 3170.1 | 3544.1 | 3597.6 | 3585.4 | 3443.4 |
| 65° | 1310.1 | 1334.4 | 1502.3 | 1858.9 | 2387.5 | 2971.3 | 3554.5 | 3707.9 | 3710.1 | 3560.4 |
| 67.5° | 872.3 | 942.4 | 1088.1 | 1394.9 | 1949.3 | 2646.4 | 3463.7 | 3726.0 | 3747.4 | 3600.6 |
| 70° | 425.6 | 517.8 | 660.6 | 906.6 | 1394.9 | 2148.1 | 3226.6 | 3577.7 | 3625.3 | 3483.3 |
| 72.5° | 176.7 | 206.5 | 284.4 | 447.4 | 800.7 | 1449.5 | 2750.0 | 3175.7 | 3263.8 | 3086.4 |
| 75° | 119.1 | 129.1 | 162.7 | 229.4 | 364.8 | 714.8 | 1983.2 | 2367.9 | 2509.9 | 2331.0 |
| 77.5° | 91.8 | 98.1 | 118.4 | 160.4 | 216.9 | 270.4 | 1061.5 | 1427.0 | 1500.4 | 1389.0 |
| 80° | 72.3 | 77.1 | 88.5 | 116.9 | 153.8 | 144.6 | 361.8 | 646.6 | 689.0 | 578.0 |
| 82.5° | 62.7 | 64.5 | 63.4 | 79.3 | 102.2 | 84.5 | 118.8 | 238.6 | 263.3 | 191.1 |
| 85° | 45.4 | 50.5 | 52.7 | 49.1 | 54.2 | 42.8 | 48.7 | 84.5 | 92.9 | 83.0 |
| 87.5° | 18.4 | 27.3 | 33.6 | 31.7 | 19.9 | 12.2 | 15.1 | 24.7 | 28.4 | 31.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 778.6 | 0° | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 | 778.6 |
| 779.0 | 2.5° | 779.3 | 781.9 | 783.8 | 786.0 | 787.5 | 789.7 | 794.1 | 796.7 | 797.1 | 798.9 |
| 784.9 | 5° | 786.4 | 790.0 | 794.1 | 800.0 | 806.6 | 812.2 | 820.7 | 826.6 | 828.8 | 830.6 |
| 799.3 | 7.5° | 801.5 | 806.6 | 814.0 | 824.3 | 833.9 | 841.3 | 851.6 | 858.6 | 865.7 | 868.2 |
| 822.1 | 10° | 824.0 | 831.4 | 842.1 | 856.1 | 866.4 | 876.0 | 886.7 | 892.6 | 899.6 | 902.5 |
| 849.4 | 12.5° | 852.0 | 859.8 | 873.8 | 893.3 | 902.9 | 909.5 | 913.2 | 911.8 | 913.2 | 915.8 |
| 882.3 | 15° | 884.1 | 892.6 | 908.4 | 929.5 | 936.1 | 930.2 | 922.1 | 914.7 | 913.6 | 914.3 |
| 922.1 | 17.5° | 922.1 | 928.4 | 946.8 | 964.5 | 959.7 | 935.4 | 917.7 | 905.9 | 900.0 | 898.1 |
| 973.0 | 20° | 975.2 | 975.2 | 990.3 | 1001.4 | 969.3 | 928.0 | 900.3 | 881.1 | 869.0 | 863.8 |
| 1042.3 | 22.5° | 1039.7 | 1033.8 | 1043.4 | 1035.7 | 967.5 | 907.3 | 869.0 | 835.8 | 817.3 | 810.0 |
| 1139.3 | 25° | 1121.6 | 1114.6 | 1112.0 | 1064.1 | 954.2 | 874.5 | 812.2 | 772.0 | 755.7 | 751.7 |
| 1279.1 | 27.5° | 1245.2 | 1227.5 | 1193.9 | 1079.6 | 929.8 | 822.9 | 745.8 | 708.5 | 699.3 | 699.7 |
| 1458.7 | 30° | 1409.7 | 1374.3 | 1292.0 | 1082.2 | 890.0 | 749.8 | 677.9 | 651.4 | 646.9 | 648.8 |
| 1609.6 | 32.5° | 1562.0 | 1528.5 | 1392.4 | 1070.4 | 828.8 | 678.3 | 617.1 | 599.4 | 592.7 | 594.9 |
| 1724.7 | 35° | 1681.5 | 1672.3 | 1485.3 | 1053.8 | 753.5 | 611.2 | 562.5 | 547.4 | 534.4 | 531.5 |
| 1833.1 | 37.5° | 1794.4 | 1790.7 | 1555.0 | 1030.5 | 679.0 | 563.6 | 518.6 | 498.7 | 479.9 | 469.5 |
| 1953.0 | 40° | 1918.3 | 1914.6 | 1600.7 | 994.7 | 613.0 | 522.3 | 479.1 | 452.9 | 429.7 | 410.9 |
| 2088.7 | 42.5° | 2057.7 | 2036.0 | 1622.5 | 943.5 | 556.9 | 487.2 | 447.0 | 411.6 | 381.0 | 363.7 |
| 2242.1 | 45° | 2210.1 | 2161.0 | 1622.1 | 878.2 | 509.7 | 455.1 | 412.7 | 362.6 | 334.2 | 317.9 |
| 2399.6 | 47.5° | 2371.6 | 2280.5 | 1602.2 | 805.9 | 464.0 | 419.7 | 359.6 | 321.3 | 302.4 | 292.5 |
| 2570.8 | 50° | 2538.3 | 2392.3 | 1568.3 | 722.9 | 417.2 | 379.5 | 326.4 | 300.2 | 285.8 | 276.6 |
| 2740.4 | 52.5° | 2695.1 | 2493.7 | 1527.3 | 628.9 | 369.6 | 340.4 | 311.7 | 291.4 | 276.3 | 265.9 |
| 2904.9 | 55° | 2840.8 | 2581.1 | 1469.4 | 532.6 | 330.8 | 314.2 | 304.7 | 287.7 | 270.4 | 258.2 |
| 3072.0 | 57.5° | 2970.2 | 2637.9 | 1369.5 | 442.2 | 303.2 | 296.2 | 297.3 | 281.4 | 261.5 | 251.2 |
| 3236.5 | 60° | 3077.9 | 2679.6 | 1221.6 | 358.5 | 280.7 | 278.5 | 285.8 | 269.6 | 246.4 | 234.6 |
| 3375.6 | 62.5° | 3142.5 | 2678.8 | 1040.1 | 293.6 | 261.5 | 262.2 | 270.7 | 254.9 | 231.3 | 220.2 |
| 3448.2 | 65° | 3136.9 | 2613.2 | 840.9 | 251.2 | 243.1 | 243.8 | 254.9 | 238.6 | 218.7 | 212.1 |
| 3411.7 | 67.5° | 3025.9 | 2453.1 | 645.1 | 223.5 | 222.8 | 226.1 | 239.0 | 227.6 | 211.0 | 210.2 |
| 3194.1 | 70° | 2725.3 | 2120.8 | 464.7 | 201.4 | 201.8 | 206.5 | 223.5 | 220.6 | 206.9 | 208.4 |
| 2685.5 | 72.5° | 2185.3 | 1617.0 | 312.0 | 178.1 | 178.5 | 186.3 | 208.8 | 215.0 | 202.9 | 222.4 |
| 1905.4 | 75° | 1455.4 | 1008.4 | 200.6 | 153.4 | 153.8 | 163.8 | 195.9 | 204.3 | 191.8 | 221.7 |
| 991.4 | 77.5° | 699.3 | 453.3 | 145.3 | 129.1 | 129.1 | 138.3 | 169.3 | 182.9 | 163.4 | 172.2 |
| 318.7 | 80° | 241.6 | 170.4 | 114.3 | 104.0 | 101.8 | 108.1 | 142.7 | 158.6 | 140.9 | 129.8 |
| 104.0 | 82.5° | 95.2 | 88.5 | 91.8 | 80.8 | 73.4 | 77.5 | 111.0 | 130.9 | 103.6 | 93.7 |
| 58.6 | 85° | 54.6 | 57.5 | 64.9 | 53.5 | 42.4 | 47.6 | 81.5 | 94.1 | 78.2 | 69.0 |
| 19.2 | 87.5° | 14.8 | 20.3 | 29.9 | 27.7 | 19.2 | 20.3 | 38.7 | 52.0 | 45.0 | 34.7 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|-------|
| 180° |
| <hr/> |
| 778.6 |
| 798.5 |
| 830.2 |
| 868.6 |
| 904.0 |
| 916.6 |
| 916.9 |
| 900.7 |
| 862.7 |
| 808.9 |
| 752.4 |
| 700.8 |
| 655.1 |
| 597.9 |
| 533.7 |
| 469.9 |
| 412.7 |
| 364.8 |
| 317.2 |
| 290.3 |
| 273.3 |
| 261.5 |
| 253.4 |
| 244.5 |
| 229.4 |
| 216.9 |
| 211.7 |
| 211.3 |
| 208.0 |
| 225.4 |
| 223.5 |
| 157.9 |
| 121.7 |
| 93.3 |
| 70.4 |
| 35.8 |
| 0.0 |

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