

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: P846665

Luminaire Tested: **GLAN-SB2B-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5296 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

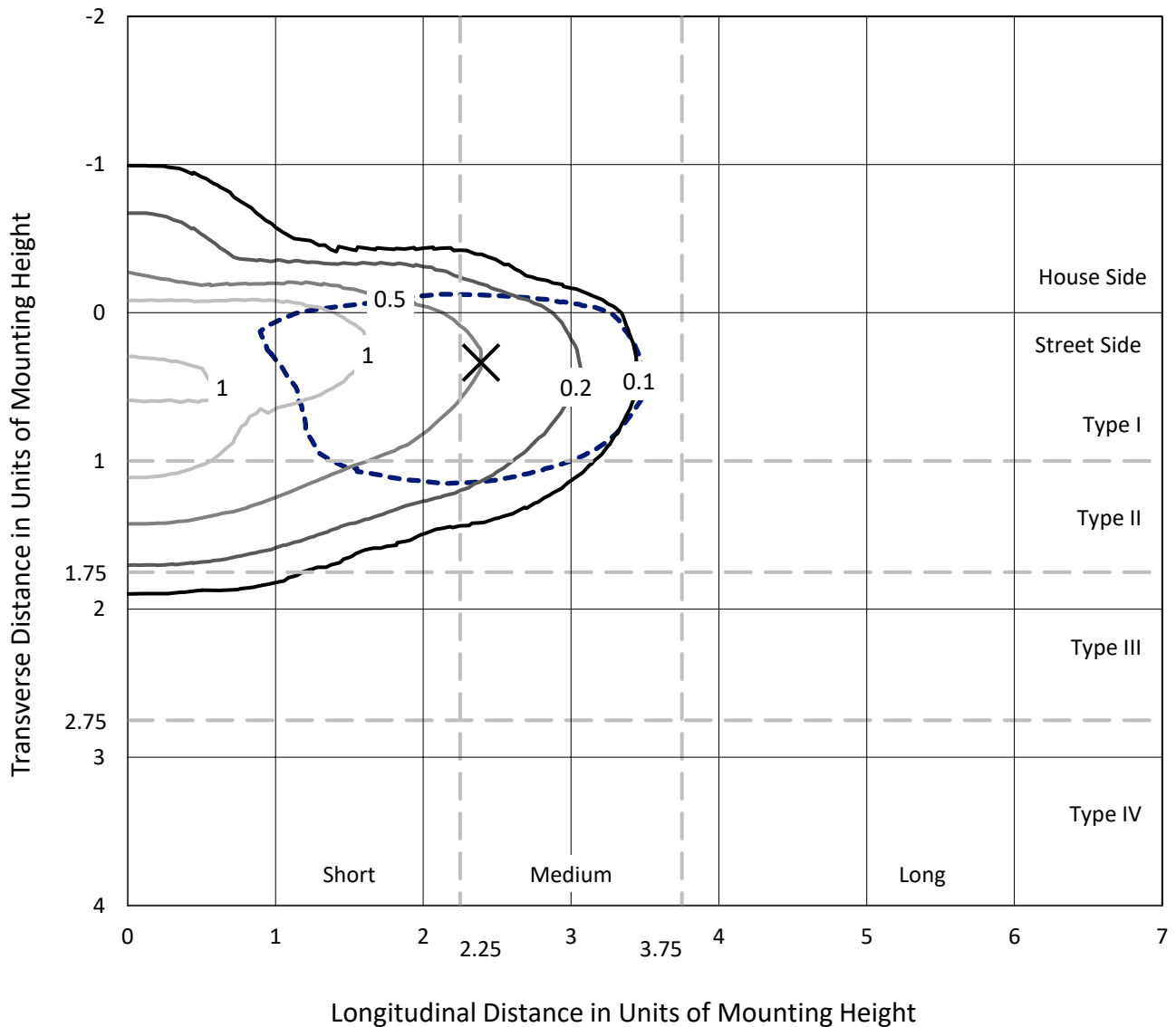
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

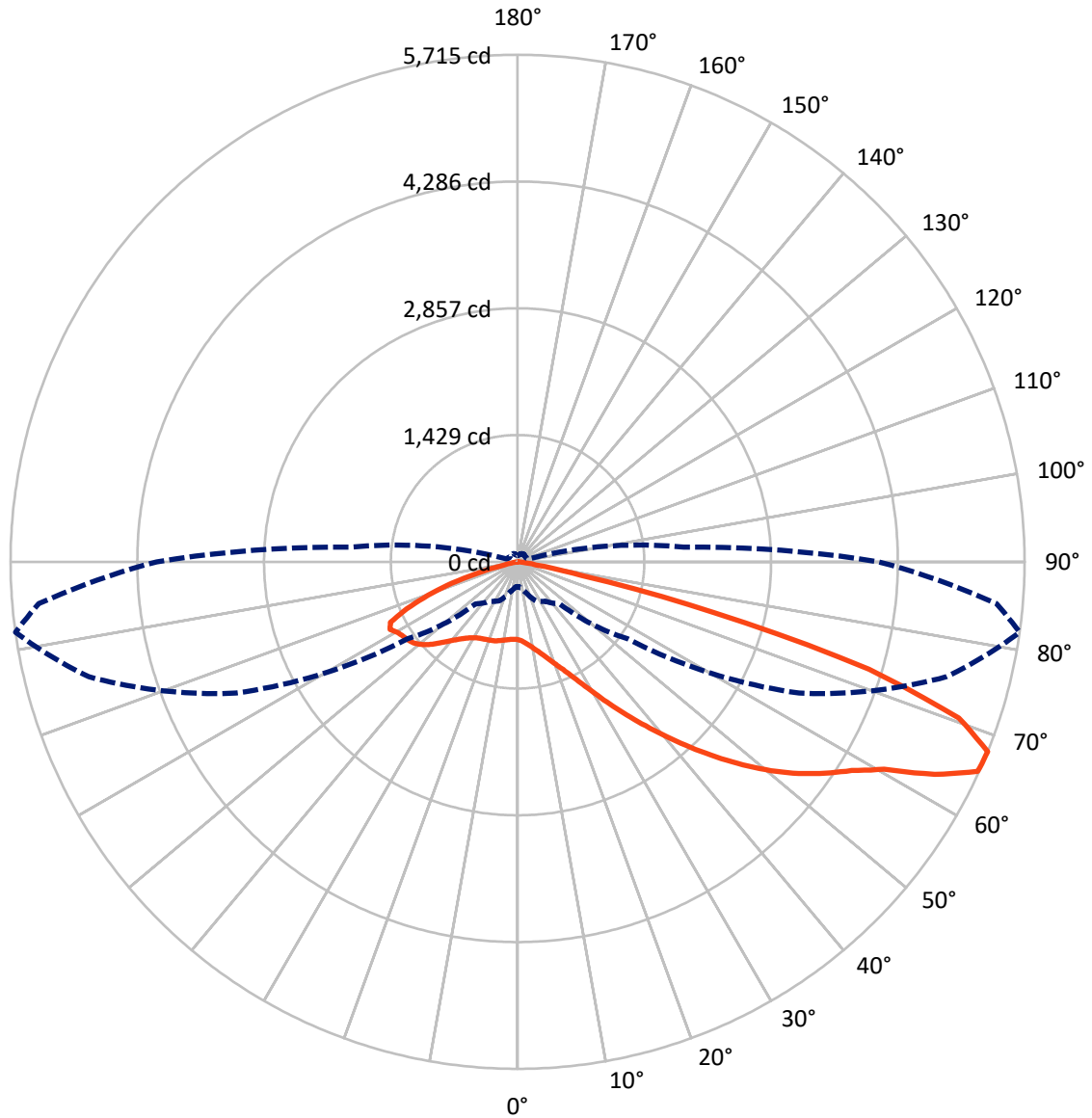
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 959.3 | 0.0 | 959.3 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 4336.7 | 0.0 | 4336.7 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 5296.0 | 0.0 | 5296.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.2 | 1.5 |
| 10°-20° | 203.1 | 3.8 |
| 20°-30° | 325.3 | 6.1 |
| 30°-40° | 575.3 | 10.9 |
| 40°-50° | 1008.0 | 19.0 |
| 50°-60° | 1344.4 | 25.4 |
| 60°-70° | 1251.5 | 23.6 |
| 70°-80° | 480.3 | 9.1 |
| 80°-90° | 29.8 | 0.6 |
| 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° | 5296.0 | 100.0 |
| 0°-180° | 5296.0 | 100.0 |

Coefficient of Utilization

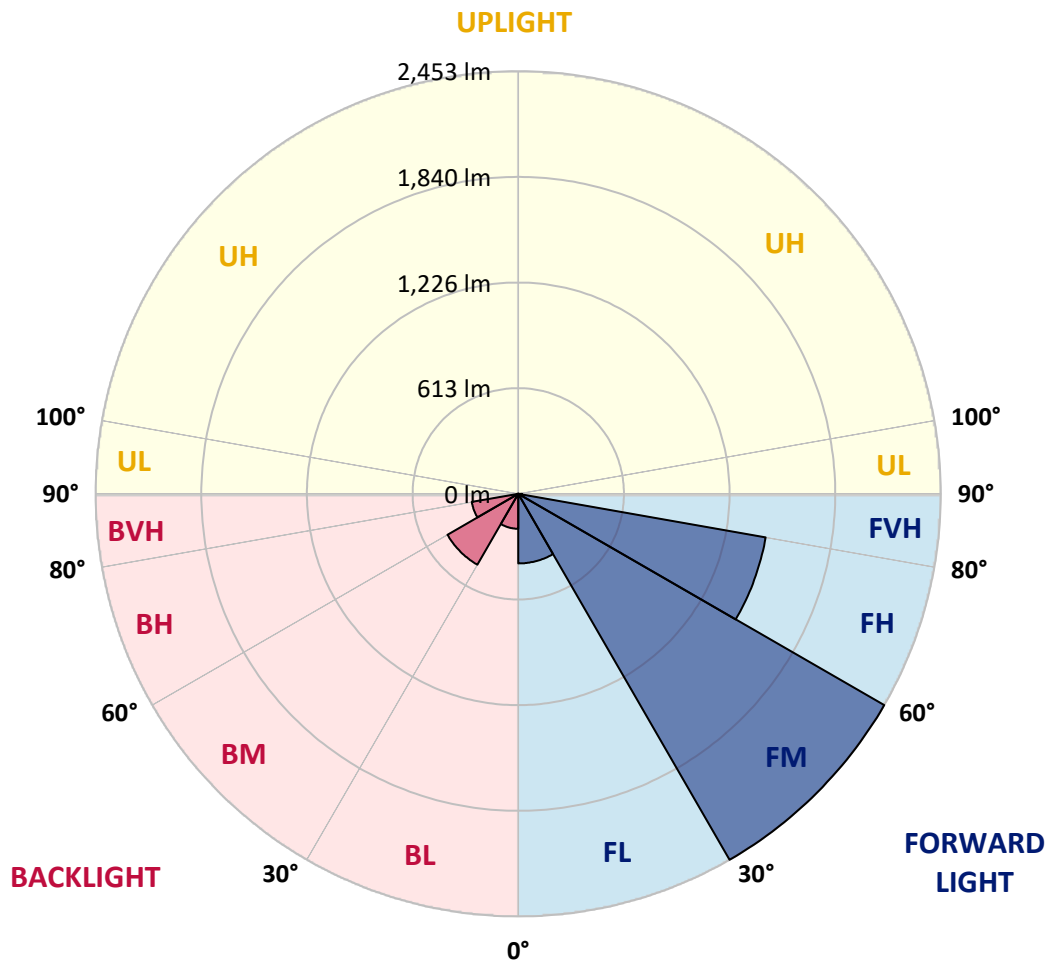


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 404.0 | 7.6 | | | |
| FM (30°-60°) | 2452.9 | 46.3 | | | |
| FH (60°-80°) | 1458.1 | 27.5 | | | G1/1800 |
| FVH (80°-90°) | 21.7 | 0.4 | | | G1/100 |
| BL (0°-30°) | 202.6 | 3.8 | B1/500 | | |
| BM (30°-60°) | 474.8 | 9.0 | B1/1000 | | |
| BH (60°-80°) | 273.8 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 8.1 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 |
| 2.5° | 927.3 | 932.7 | 929.6 | 928.1 | 925.4 | 921.6 | 918.5 | 909.0 | 899.1 | 892.6 |
| 5° | 946.0 | 951.3 | 951.0 | 952.5 | 954.4 | 955.5 | 954.8 | 944.1 | 930.0 | 918.9 |
| 7.5° | 930.0 | 936.1 | 941.0 | 948.7 | 962.0 | 976.1 | 983.0 | 980.7 | 966.2 | 951.0 |
| 10° | 884.6 | 891.1 | 902.9 | 920.8 | 949.1 | 979.6 | 1005.1 | 1016.9 | 1007.8 | 991.0 |
| 12.5° | 801.5 | 808.0 | 831.2 | 870.1 | 917.4 | 970.4 | 1019.2 | 1050.9 | 1053.1 | 1036.4 |
| 15° | 708.1 | 714.6 | 739.3 | 788.1 | 860.2 | 945.2 | 1026.8 | 1086.7 | 1106.9 | 1092.4 |
| 17.5° | 650.1 | 655.8 | 674.5 | 713.8 | 788.9 | 894.9 | 1024.2 | 1124.8 | 1171.0 | 1159.5 |
| 20° | 632.6 | 637.5 | 646.3 | 673.8 | 736.3 | 842.7 | 1006.6 | 1160.7 | 1240.0 | 1233.5 |
| 22.5° | 651.3 | 655.8 | 658.5 | 670.7 | 710.0 | 808.4 | 984.5 | 1197.3 | 1320.1 | 1320.8 |
| 25° | 694.3 | 698.9 | 695.9 | 703.5 | 720.7 | 797.7 | 976.1 | 1240.4 | 1420.7 | 1429.1 |
| 27.5° | 765.3 | 765.6 | 758.4 | 758.0 | 760.7 | 813.7 | 984.9 | 1286.5 | 1547.7 | 1563.3 |
| 30° | 907.5 | 901.8 | 873.9 | 843.8 | 830.1 | 861.7 | 1009.3 | 1341.0 | 1697.5 | 1725.4 |
| 32.5° | 1126.7 | 1118.3 | 1067.3 | 995.2 | 922.7 | 939.1 | 1053.1 | 1403.2 | 1860.7 | 1911.1 |
| 35° | 1364.7 | 1362.4 | 1309.0 | 1201.9 | 1075.3 | 1049.3 | 1124.4 | 1484.8 | 2038.8 | 2118.9 |
| 37.5° | 1585.8 | 1584.7 | 1554.2 | 1428.0 | 1273.9 | 1203.0 | 1238.8 | 1591.5 | 2229.5 | 2345.4 |
| 40° | 1787.9 | 1791.3 | 1760.8 | 1648.0 | 1492.8 | 1400.1 | 1394.4 | 1723.5 | 2441.5 | 2592.1 |
| 42.5° | 1962.5 | 1966.4 | 1935.5 | 1852.0 | 1709.0 | 1618.2 | 1585.4 | 1885.1 | 2648.5 | 2857.1 |
| 45° | 2081.1 | 2104.8 | 2100.2 | 2033.5 | 1930.9 | 1836.7 | 1815.0 | 2088.0 | 2884.5 | 3138.1 |
| 47.5° | 2114.7 | 2136.4 | 2170.7 | 2179.9 | 2117.4 | 2024.7 | 2050.6 | 2332.4 | 3123.2 | 3419.5 |
| 50° | 2031.9 | 2052.1 | 2123.5 | 2218.4 | 2261.9 | 2233.3 | 2279.8 | 2594.4 | 3367.6 | 3700.1 |
| 52.5° | 1868.7 | 1889.3 | 1979.3 | 2129.6 | 2306.9 | 2396.8 | 2509.7 | 2852.5 | 3604.4 | 3965.9 |
| 55° | 1632.7 | 1654.5 | 1770.0 | 1940.0 | 2221.1 | 2464.3 | 2701.5 | 3110.3 | 3821.4 | 4205.0 |
| 57.5° | 1311.7 | 1327.7 | 1447.8 | 1685.7 | 2005.2 | 2397.2 | 2843.0 | 3391.7 | 4025.8 | 4439.8 |
| 60° | 854.9 | 869.0 | 1008.5 | 1273.9 | 1647.6 | 2173.0 | 2871.2 | 3705.5 | 4297.2 | 4745.3 |
| 62.5° | 568.5 | 578.0 | 660.8 | 855.6 | 1160.3 | 1742.5 | 2706.1 | 3956.0 | 4695.3 | 5276.8 |
| 65° | 390.1 | 399.6 | 482.3 | 618.1 | 749.6 | 1152.7 | 2231.4 | 3922.8 | 5056.0 | 5698.9 |
| 67.5° | 278.3 | 286.4 | 356.5 | 484.6 | 542.6 | 669.6 | 1512.6 | 3498.8 | 5004.2 | 5714.9 |
| 70° | 199.4 | 204.0 | 262.0 | 377.5 | 431.2 | 402.3 | 841.1 | 2676.0 | 4381.5 | 5277.2 |
| 72.5° | 139.6 | 141.1 | 181.9 | 287.5 | 347.4 | 293.6 | 400.4 | 1784.1 | 3313.9 | 4142.0 |
| 75° | 94.6 | 96.5 | 122.4 | 210.9 | 278.7 | 224.2 | 212.0 | 956.7 | 1945.4 | 2292.7 |
| 77.5° | 58.0 | 58.7 | 78.9 | 144.1 | 208.6 | 170.8 | 136.5 | 405.3 | 752.7 | 739.0 |
| 80° | 32.8 | 32.8 | 50.3 | 89.6 | 142.2 | 110.2 | 95.7 | 172.3 | 238.3 | 209.3 |
| 82.5° | 18.3 | 18.7 | 36.6 | 55.7 | 94.2 | 65.2 | 52.6 | 79.7 | 103.0 | 91.1 |
| 85° | 7.6 | 8.4 | 22.5 | 26.3 | 45.0 | 32.4 | 21.4 | 33.6 | 38.1 | 33.9 |
| 87.5° | 0.8 | 1.1 | 6.9 | 5.0 | 5.3 | 6.5 | 3.1 | 6.5 | 5.3 | 5.3 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 877.4 | 0° | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 | 877.4 |
| 890.3 | 2.5° | 883.1 | 877.4 | 862.9 | 846.1 | 824.0 | 813.3 | 798.8 | 788.9 | 780.5 | 781.3 |
| 912.4 | 5° | 900.2 | 885.8 | 853.3 | 812.9 | 762.6 | 726.8 | 688.6 | 662.3 | 641.0 | 636.4 |
| 943.0 | 7.5° | 923.9 | 901.0 | 844.2 | 771.4 | 686.3 | 621.9 | 564.3 | 527.3 | 501.0 | 492.6 |
| 979.9 | 10° | 954.4 | 921.2 | 832.4 | 719.1 | 596.7 | 514.8 | 453.0 | 424.0 | 406.1 | 400.0 |
| 1023.4 | 12.5° | 989.9 | 944.5 | 816.7 | 655.5 | 504.5 | 425.5 | 386.3 | 371.8 | 366.0 | 364.1 |
| 1076.8 | 15° | 1034.5 | 973.5 | 793.1 | 580.0 | 426.3 | 371.0 | 354.2 | 352.3 | 353.1 | 352.3 |
| 1140.8 | 17.5° | 1087.5 | 1005.1 | 754.6 | 502.2 | 373.7 | 343.2 | 337.1 | 338.6 | 340.5 | 340.1 |
| 1212.5 | 20° | 1145.4 | 1036.4 | 705.4 | 433.2 | 337.8 | 323.3 | 319.9 | 321.4 | 323.0 | 322.2 |
| 1295.3 | 22.5° | 1211.4 | 1069.9 | 650.9 | 379.4 | 313.8 | 305.0 | 301.2 | 301.6 | 301.6 | 300.1 |
| 1400.1 | 25° | 1290.3 | 1106.9 | 593.7 | 341.3 | 295.5 | 288.6 | 284.1 | 282.5 | 280.3 | 275.7 |
| 1527.5 | 27.5° | 1384.5 | 1146.2 | 538.8 | 314.6 | 281.0 | 274.5 | 269.2 | 265.4 | 259.7 | 252.0 |
| 1680.4 | 30° | 1490.5 | 1193.8 | 492.3 | 297.8 | 269.6 | 263.1 | 257.0 | 251.3 | 242.9 | 233.4 |
| 1856.2 | 32.5° | 1615.2 | 1244.9 | 458.3 | 286.7 | 259.3 | 252.4 | 245.2 | 238.3 | 229.2 | 219.6 |
| 2053.7 | 35° | 1763.9 | 1306.7 | 438.5 | 279.1 | 251.3 | 242.1 | 234.1 | 226.5 | 219.6 | 211.2 |
| 2268.3 | 37.5° | 1925.2 | 1372.3 | 432.4 | 275.3 | 245.9 | 231.8 | 222.7 | 217.3 | 216.6 | 211.6 |
| 2500.6 | 40° | 2101.7 | 1450.1 | 437.0 | 273.0 | 240.2 | 221.9 | 212.0 | 210.9 | 212.8 | 204.0 |
| 2748.8 | 42.5° | 2288.6 | 1542.4 | 444.6 | 270.3 | 232.2 | 212.0 | 202.5 | 202.5 | 200.9 | 188.7 |
| 3011.1 | 45° | 2490.6 | 1648.7 | 452.2 | 263.9 | 222.7 | 202.1 | 194.8 | 192.2 | 185.7 | 173.9 |
| 3275.0 | 47.5° | 2694.3 | 1757.0 | 457.9 | 252.0 | 211.2 | 193.7 | 187.2 | 181.1 | 171.6 | 160.9 |
| 3533.9 | 50° | 2887.6 | 1854.3 | 451.8 | 234.5 | 198.3 | 185.7 | 178.8 | 170.4 | 160.1 | 152.9 |
| 3779.0 | 52.5° | 3060.3 | 1938.5 | 425.9 | 213.9 | 184.5 | 177.3 | 171.2 | 162.4 | 154.0 | 146.4 |
| 4000.2 | 55° | 3210.5 | 2006.8 | 380.2 | 194.5 | 172.3 | 170.1 | 164.0 | 152.9 | 141.5 | 135.0 |
| 4219.4 | 57.5° | 3354.7 | 2058.6 | 323.0 | 178.4 | 161.3 | 162.1 | 152.9 | 143.0 | 132.3 | 125.4 |
| 4515.0 | 60° | 3546.5 | 2128.0 | 265.0 | 163.6 | 149.5 | 151.8 | 141.8 | 134.6 | 121.3 | 112.5 |
| 5021.7 | 62.5° | 3853.0 | 2235.9 | 210.5 | 145.3 | 135.7 | 136.5 | 132.3 | 123.5 | 107.5 | 97.2 |
| 5397.3 | 65° | 4096.3 | 2196.3 | 165.9 | 125.4 | 120.1 | 121.3 | 121.3 | 111.7 | 94.6 | 82.7 |
| 5417.5 | 67.5° | 4068.8 | 1880.6 | 132.3 | 106.0 | 105.2 | 106.0 | 108.7 | 100.7 | 83.9 | 74.4 |
| 5004.9 | 70° | 3748.2 | 1495.8 | 106.0 | 88.1 | 91.5 | 89.6 | 97.2 | 91.9 | 75.5 | 66.0 |
| 3880.1 | 72.5° | 3058.4 | 1077.5 | 80.8 | 72.8 | 70.2 | 73.2 | 87.7 | 82.7 | 62.9 | 52.2 |
| 2055.2 | 75° | 1787.1 | 575.0 | 60.2 | 57.6 | 50.7 | 61.0 | 77.8 | 70.5 | 48.0 | 38.5 |
| 629.9 | 77.5° | 581.9 | 200.6 | 44.2 | 42.3 | 37.7 | 49.2 | 66.3 | 59.5 | 39.3 | 30.5 |
| 184.5 | 80° | 156.0 | 60.6 | 30.1 | 27.8 | 24.4 | 36.6 | 52.6 | 47.3 | 28.2 | 19.8 |
| 79.3 | 82.5° | 62.5 | 25.5 | 17.5 | 15.6 | 13.3 | 25.2 | 41.6 | 38.1 | 21.0 | 12.6 |
| 24.8 | 85° | 20.2 | 8.4 | 6.5 | 5.0 | 6.1 | 15.6 | 24.8 | 25.9 | 14.9 | 6.5 |
| 3.8 | 87.5° | 2.7 | 1.1 | 1.1 | 1.5 | 1.1 | 2.7 | 7.6 | 7.2 | 4.2 | 0.8 |
| 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° |
|-------|
| 877.4 |
| 773.7 |
| 626.1 |
| 484.2 |
| 395.4 |
| 363.0 |
| 351.9 |
| 339.4 |
| 321.8 |
| 299.3 |
| 274.9 |
| 251.3 |
| 232.6 |
| 220.0 |
| 210.5 |
| 211.2 |
| 204.4 |
| 188.7 |
| 173.5 |
| 160.5 |
| 151.8 |
| 145.7 |
| 134.2 |
| 124.7 |
| 111.3 |
| 96.5 |
| 81.6 |
| 72.8 |
| 64.8 |
| 51.1 |
| 37.4 |
| 29.4 |
| 19.4 |
| 12.6 |
| 5.0 |
| 0.0 |
| 0.0 |

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