

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: P847523

Luminaire Tested: **GLAN-SB3C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15027 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

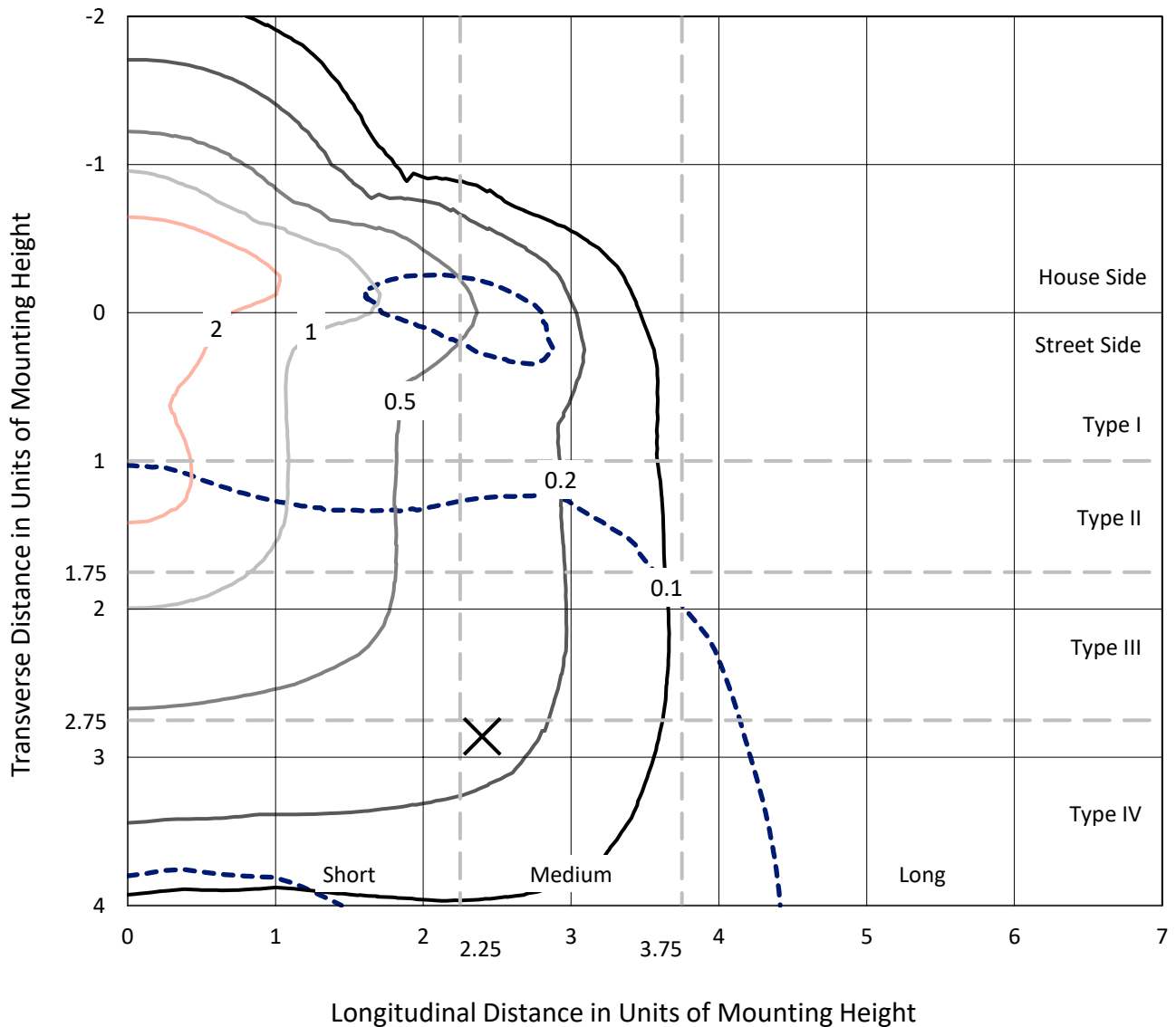
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

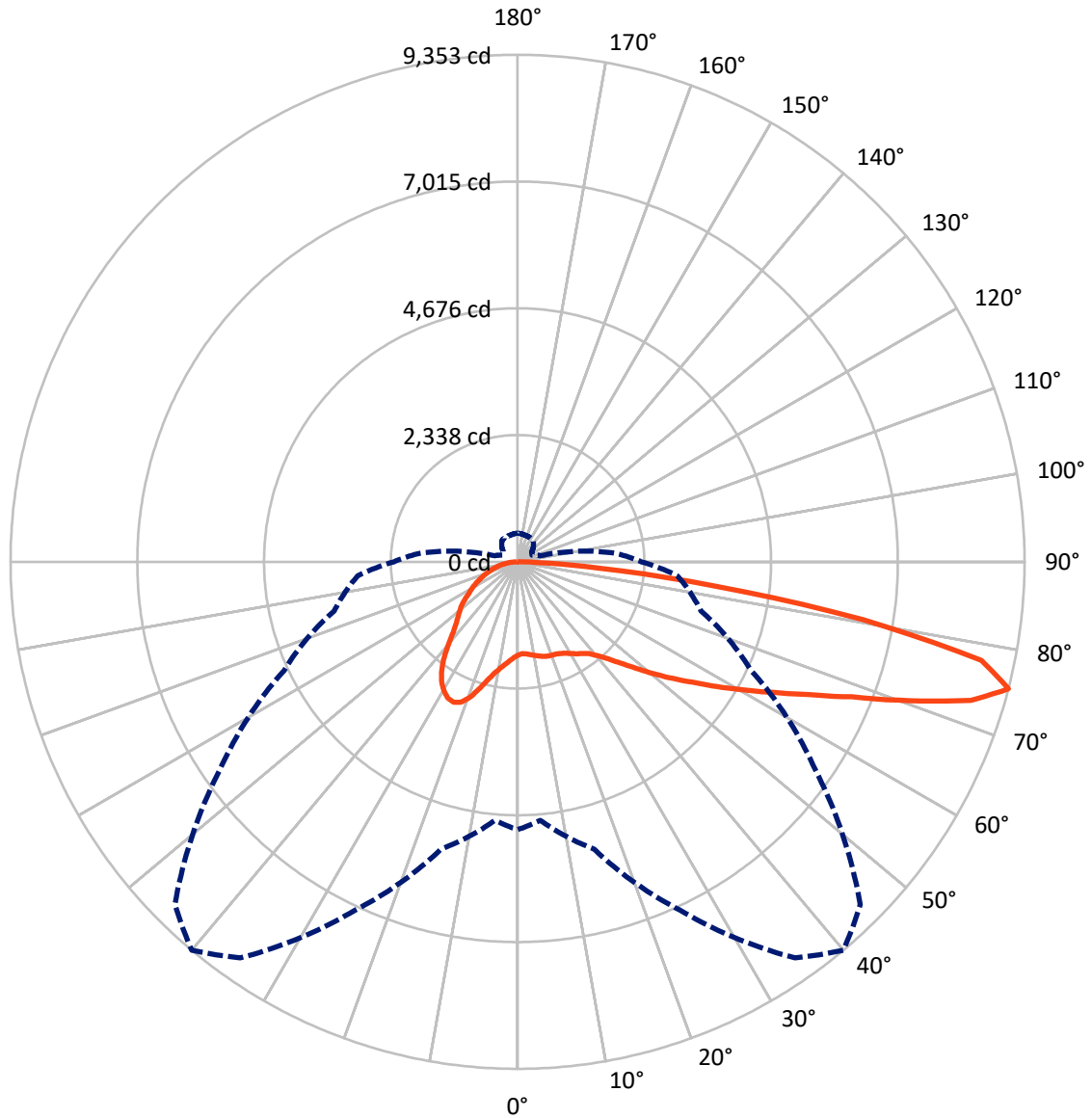
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4655.9 | 0.0 | 4655.9 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 10371.1 | 0.0 | 10371.1 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 15027.0 | 0.0 | 15027.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 171.5 | 1.1 |
| 10°-20° | 575.9 | 3.8 |
| 20°-30° | 1051.5 | 7.0 |
| 30°-40° | 1491.3 | 9.9 |
| 40°-50° | 2013.8 | 13.4 |
| 50°-60° | 2709.1 | 18.0 |
| 60°-70° | 3438.4 | 22.9 |
| 70°-80° | 3120.6 | 20.8 |
| 80°-90° | 454.9 | 3.0 |
| 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° | 15027.0 | 100.0 |
| 0°-180° | 15027.0 | 100.0 |

Coefficient of Utilization

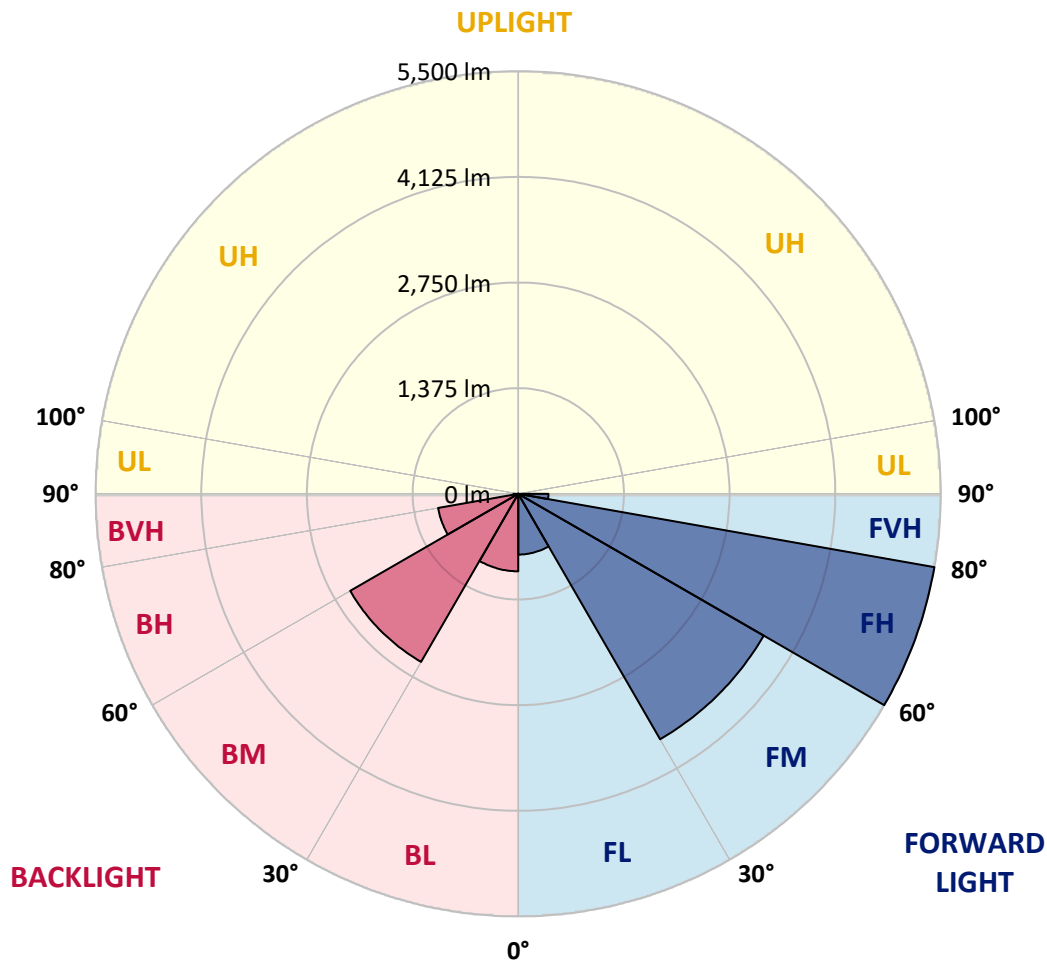


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 790.4 | 5.3 | | | |
| FM (30°-60°) | 3688.8 | 24.5 | | | |
| FH (60°-80°) | 5499.6 | 36.6 | | | G3/7500 |
| FVH (80°-90°) | 392.3 | 2.6 | | | G3/500 |
| BL (0°-30°) | 1008.5 | 6.7 | B3/2500 | | |
| BM (30°-60°) | 2525.4 | 16.8 | B3/5000 | | |
| BH (60°-80°) | 1059.3 | 7.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 62.6 | 0.4 | | | 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 IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 |
| 2.5° | 1692.1 | 1701.6 | 1699.2 | 1696.0 | 1696.0 | 1696.0 | 1696.0 | 1701.6 | 1707.2 | 1712.8 |
| 5° | 1709.6 | 1719.2 | 1714.4 | 1710.4 | 1707.2 | 1706.4 | 1704.0 | 1703.2 | 1706.4 | 1713.6 |
| 7.5° | 1743.9 | 1753.4 | 1746.3 | 1739.1 | 1732.7 | 1729.5 | 1726.3 | 1721.5 | 1719.2 | 1723.1 |
| 10° | 1782.1 | 1791.7 | 1782.9 | 1770.2 | 1759.8 | 1755.8 | 1752.6 | 1747.8 | 1744.7 | 1747.0 |
| 12.5° | 1820.4 | 1829.9 | 1818.0 | 1800.4 | 1786.9 | 1784.5 | 1780.5 | 1778.9 | 1778.1 | 1777.3 |
| 15° | 1856.2 | 1864.2 | 1849.1 | 1828.3 | 1814.0 | 1810.0 | 1806.0 | 1808.4 | 1812.4 | 1817.2 |
| 17.5° | 1884.1 | 1892.1 | 1869.8 | 1842.7 | 1829.1 | 1827.5 | 1825.2 | 1833.1 | 1844.3 | 1856.2 |
| 20° | 1909.6 | 1917.6 | 1888.9 | 1852.3 | 1836.3 | 1836.3 | 1837.1 | 1853.8 | 1869.8 | 1887.3 |
| 22.5° | 1945.5 | 1951.9 | 1916.8 | 1866.6 | 1843.5 | 1845.1 | 1851.5 | 1868.2 | 1888.1 | 1912.0 |
| 25° | 1998.9 | 2003.7 | 1960.6 | 1893.7 | 1867.4 | 1872.2 | 1877.8 | 1885.7 | 1904.9 | 1932.8 |
| 27.5° | 2085.0 | 2089.0 | 2032.4 | 1941.5 | 1901.7 | 1909.6 | 1917.6 | 1912.0 | 1920.8 | 1944.7 |
| 30° | 2206.1 | 2208.5 | 2136.8 | 2016.4 | 1959.9 | 1963.8 | 1965.4 | 1942.3 | 1925.6 | 1944.7 |
| 32.5° | 2349.6 | 2348.8 | 2263.5 | 2107.3 | 2026.0 | 2022.0 | 2008.5 | 1963.0 | 1924.0 | 1940.7 |
| 35° | 2572.0 | 2563.2 | 2453.2 | 2234.8 | 2100.9 | 2076.2 | 2044.3 | 1986.2 | 1932.0 | 1936.7 |
| 37.5° | 2940.2 | 2913.1 | 2760.8 | 2443.6 | 2212.5 | 2149.5 | 2102.5 | 2023.6 | 1949.5 | 1935.1 |
| 40° | 3355.4 | 3321.1 | 3153.8 | 2729.8 | 2379.9 | 2278.7 | 2202.9 | 2077.0 | 1978.2 | 1942.3 |
| 42.5° | 3848.0 | 3799.4 | 3619.2 | 3066.9 | 2591.9 | 2445.2 | 2331.3 | 2144.8 | 2020.4 | 1965.4 |
| 45° | 4452.9 | 4388.3 | 4133.3 | 3447.1 | 2858.9 | 2663.6 | 2511.4 | 2247.6 | 2085.0 | 2010.1 |
| 47.5° | 5064.2 | 5080.2 | 4717.5 | 3882.2 | 3179.3 | 2933.0 | 2736.9 | 2402.2 | 2179.0 | 2081.8 |
| 50° | 5713.8 | 5724.9 | 5298.5 | 4364.4 | 3542.7 | 3237.5 | 2990.4 | 2575.1 | 2309.7 | 2183.8 |
| 52.5° | 6220.7 | 6222.3 | 5826.2 | 4868.9 | 3921.3 | 3572.2 | 3263.8 | 2772.8 | 2461.2 | 2319.3 |
| 55° | 6537.9 | 6533.9 | 6196.0 | 5346.4 | 4356.5 | 3923.7 | 3566.6 | 2997.6 | 2646.1 | 2478.7 |
| 57.5° | 6768.2 | 6756.3 | 6451.0 | 5756.8 | 4820.3 | 4338.9 | 3909.3 | 3252.6 | 2864.5 | 2668.4 |
| 60° | 6855.9 | 6848.7 | 6624.0 | 6111.5 | 5308.1 | 4798.0 | 4304.7 | 3537.9 | 3112.3 | 2892.4 |
| 62.5° | 6889.4 | 6902.9 | 6793.7 | 6455.0 | 5830.1 | 5306.5 | 4739.0 | 3879.1 | 3391.3 | 3145.8 |
| 65° | 7007.3 | 7032.0 | 7009.7 | 6904.5 | 6419.9 | 5901.9 | 5315.3 | 4284.7 | 3695.7 | 3417.6 |
| 67.5° | 7240.9 | 7265.6 | 7275.1 | 7442.5 | 7140.4 | 6643.9 | 6034.2 | 4790.0 | 4052.0 | 3699.7 |
| 70° | 7235.3 | 7228.1 | 7397.1 | 7870.5 | 8042.6 | 7671.2 | 7003.3 | 5411.7 | 4476.8 | 3934.1 |
| 72.5° | 6585.7 | 6528.3 | 6927.6 | 7865.7 | 8793.4 | 8744.0 | 8186.9 | 6213.5 | 4843.4 | 3962.7 |
| 75° | 4940.7 | 4787.6 | 5493.0 | 7088.6 | 8918.6 | 9352.9 | 8939.3 | 6710.8 | 4756.6 | 3501.3 |
| 77.5° | 2112.9 | 1959.1 | 2790.3 | 5247.5 | 7982.1 | 8743.2 | 8249.1 | 5854.8 | 3797.0 | 2315.3 |
| 80° | 553.1 | 552.3 | 843.2 | 2379.1 | 5428.4 | 6456.6 | 5664.4 | 3781.0 | 2169.5 | 827.3 |
| 82.5° | 228.7 | 223.2 | 310.0 | 925.3 | 2652.5 | 3623.2 | 2956.9 | 1686.5 | 783.5 | 224.0 |
| 85° | 85.3 | 84.5 | 150.6 | 319.6 | 935.7 | 1494.4 | 1081.5 | 431.2 | 195.3 | 109.2 |
| 87.5° | 23.9 | 23.1 | 32.7 | 110.8 | 227.9 | 345.9 | 184.9 | 70.9 | 55.0 | 43.0 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1718.4 | 0° | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 | 1718.4 |
| 1721.5 | 2.5° | 1723.9 | 1727.9 | 1735.1 | 1740.7 | 1747.8 | 1755.8 | 1767.0 | 1774.1 | 1781.3 | 1786.1 |
| 1725.5 | 5° | 1731.1 | 1739.9 | 1758.2 | 1776.5 | 1798.1 | 1818.0 | 1841.1 | 1857.8 | 1871.4 | 1875.4 |
| 1739.9 | 7.5° | 1747.0 | 1761.4 | 1792.5 | 1823.6 | 1857.8 | 1890.5 | 1924.0 | 1952.7 | 1975.8 | 1984.6 |
| 1765.4 | 10° | 1774.9 | 1794.1 | 1837.9 | 1881.7 | 1927.2 | 1977.4 | 2020.4 | 2061.9 | 2094.5 | 2108.1 |
| 1795.7 | 12.5° | 1810.0 | 1833.9 | 1891.3 | 1951.9 | 2014.8 | 2084.2 | 2140.0 | 2191.0 | 2231.6 | 2250.0 |
| 1837.9 | 15° | 1855.4 | 1886.5 | 1959.9 | 2041.1 | 2133.6 | 2230.0 | 2301.0 | 2357.6 | 2403.0 | 2425.3 |
| 1881.7 | 17.5° | 1904.9 | 1946.3 | 2038.8 | 2161.5 | 2293.8 | 2420.5 | 2503.4 | 2544.9 | 2591.9 | 2613.4 |
| 1922.4 | 20° | 1952.7 | 2003.7 | 2136.0 | 2314.5 | 2490.7 | 2625.4 | 2692.3 | 2703.5 | 2706.7 | 2709.0 |
| 1960.6 | 22.5° | 2002.1 | 2070.6 | 2257.9 | 2507.4 | 2696.3 | 2789.5 | 2799.1 | 2751.3 | 2684.3 | 2653.3 |
| 1998.1 | 25° | 2056.3 | 2147.1 | 2417.3 | 2720.2 | 2873.2 | 2884.4 | 2811.1 | 2694.7 | 2568.0 | 2509.8 |
| 2028.4 | 27.5° | 2108.9 | 2235.6 | 2608.6 | 2923.4 | 3000.7 | 2902.7 | 2744.9 | 2579.9 | 2426.9 | 2365.5 |
| 2049.9 | 30° | 2161.5 | 2336.8 | 2819.8 | 3101.2 | 3058.9 | 2857.3 | 2640.5 | 2456.4 | 2302.6 | 2238.0 |
| 2069.0 | 32.5° | 2214.9 | 2454.8 | 3062.9 | 3229.5 | 3048.6 | 2760.8 | 2510.6 | 2317.7 | 2182.2 | 2114.5 |
| 2085.8 | 35° | 2275.5 | 2599.9 | 3293.3 | 3299.6 | 2979.2 | 2619.0 | 2339.2 | 2151.9 | 2034.0 | 1979.8 |
| 2105.7 | 37.5° | 2354.4 | 2784.0 | 3496.5 | 3317.2 | 2858.1 | 2411.0 | 2126.4 | 1955.9 | 1858.6 | 1833.9 |
| 2135.2 | 40° | 2452.4 | 3005.5 | 3651.9 | 3289.3 | 2678.8 | 2158.3 | 1893.7 | 1757.4 | 1702.4 | 1708.0 |
| 2175.0 | 42.5° | 2579.9 | 3253.4 | 3761.1 | 3217.5 | 2429.3 | 1897.7 | 1689.7 | 1629.1 | 1655.4 | 1677.7 |
| 2234.8 | 45° | 2745.7 | 3510.8 | 3828.8 | 3095.6 | 2147.1 | 1676.9 | 1569.3 | 1583.7 | 1603.6 | 1606.0 |
| 2331.3 | 47.5° | 2957.7 | 3771.5 | 3873.5 | 2911.5 | 1859.4 | 1521.5 | 1492.8 | 1496.0 | 1492.0 | 1475.3 |
| 2475.5 | 50° | 3222.3 | 4024.9 | 3913.3 | 2667.6 | 1614.7 | 1424.3 | 1386.0 | 1374.8 | 1319.9 | 1265.7 |
| 2667.6 | 52.5° | 3523.6 | 4257.6 | 3930.1 | 2364.7 | 1424.3 | 1343.0 | 1280.8 | 1210.7 | 1107.8 | 1091.1 |
| 2909.1 | 55° | 3858.3 | 4472.8 | 3887.0 | 1992.5 | 1264.1 | 1238.6 | 1144.5 | 1060.0 | 1048.9 | 1034.5 |
| 3227.1 | 57.5° | 4258.4 | 4704.8 | 3799.4 | 1577.3 | 1099.9 | 1116.6 | 1025.0 | 1034.5 | 1014.6 | 992.3 |
| 3636.0 | 60° | 4696.0 | 4944.7 | 3645.5 | 1198.7 | 930.1 | 964.4 | 993.9 | 993.1 | 987.5 | 969.2 |
| 4067.2 | 62.5° | 5089.7 | 5102.5 | 3342.7 | 918.2 | 781.1 | 846.4 | 926.9 | 926.1 | 921.3 | 911.0 |
| 4517.5 | 65° | 5324.0 | 5078.6 | 2837.4 | 722.9 | 658.3 | 749.2 | 836.1 | 842.4 | 843.2 | 842.4 |
| 4856.2 | 67.5° | 5282.6 | 4798.8 | 2144.0 | 575.4 | 557.1 | 650.4 | 746.0 | 754.8 | 761.1 | 762.7 |
| 4899.2 | 70° | 4814.0 | 4184.3 | 1398.0 | 459.1 | 467.0 | 563.5 | 660.7 | 669.5 | 675.1 | 681.4 |
| 4251.3 | 72.5° | 3752.3 | 3076.5 | 800.2 | 371.4 | 388.1 | 488.6 | 576.2 | 586.6 | 589.8 | 601.7 |
| 2958.5 | 75° | 2286.6 | 1809.2 | 432.0 | 292.5 | 318.8 | 417.6 | 492.6 | 504.5 | 510.1 | 524.4 |
| 1453.0 | 77.5° | 1087.1 | 783.5 | 246.3 | 227.9 | 256.6 | 341.1 | 416.0 | 429.6 | 414.4 | 422.4 |
| 400.9 | 80° | 367.4 | 290.9 | 155.4 | 173.7 | 196.1 | 266.2 | 333.2 | 346.7 | 314.8 | 313.2 |
| 133.1 | 82.5° | 128.3 | 118.0 | 98.8 | 115.6 | 126.7 | 190.5 | 251.9 | 269.4 | 234.3 | 233.5 |
| 59.8 | 85° | 50.2 | 47.8 | 55.0 | 63.0 | 75.7 | 117.2 | 165.8 | 174.5 | 144.3 | 116.4 |
| 17.5 | 87.5° | 10.4 | 11.2 | 13.5 | 14.3 | 23.1 | 40.6 | 59.8 | 73.3 | 58.2 | 49.4 |
| 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° |
|--------|
| 1718.4 |
| 1782.9 |
| 1877.0 |
| 1985.4 |
| 2108.9 |
| 2250.0 |
| 2423.7 |
| 2612.6 |
| 2715.4 |
| 2662.0 |
| 2518.6 |
| 2372.7 |
| 2245.2 |
| 2123.2 |
| 1991.7 |
| 1851.5 |
| 1727.1 |
| 1698.4 |
| 1621.9 |
| 1488.0 |
| 1272.8 |
| 1096.7 |
| 1036.9 |
| 988.3 |
| 962.8 |
| 907.0 |
| 842.4 |
| 764.3 |
| 684.6 |
| 606.5 |
| 526.0 |
| 416.0 |
| 310.0 |
| 222.4 |
| 114.8 |
| 45.4 |
| 0.0 |

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