

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: P852390

Luminaire Tested: **GLAN-SB3C-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15130 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

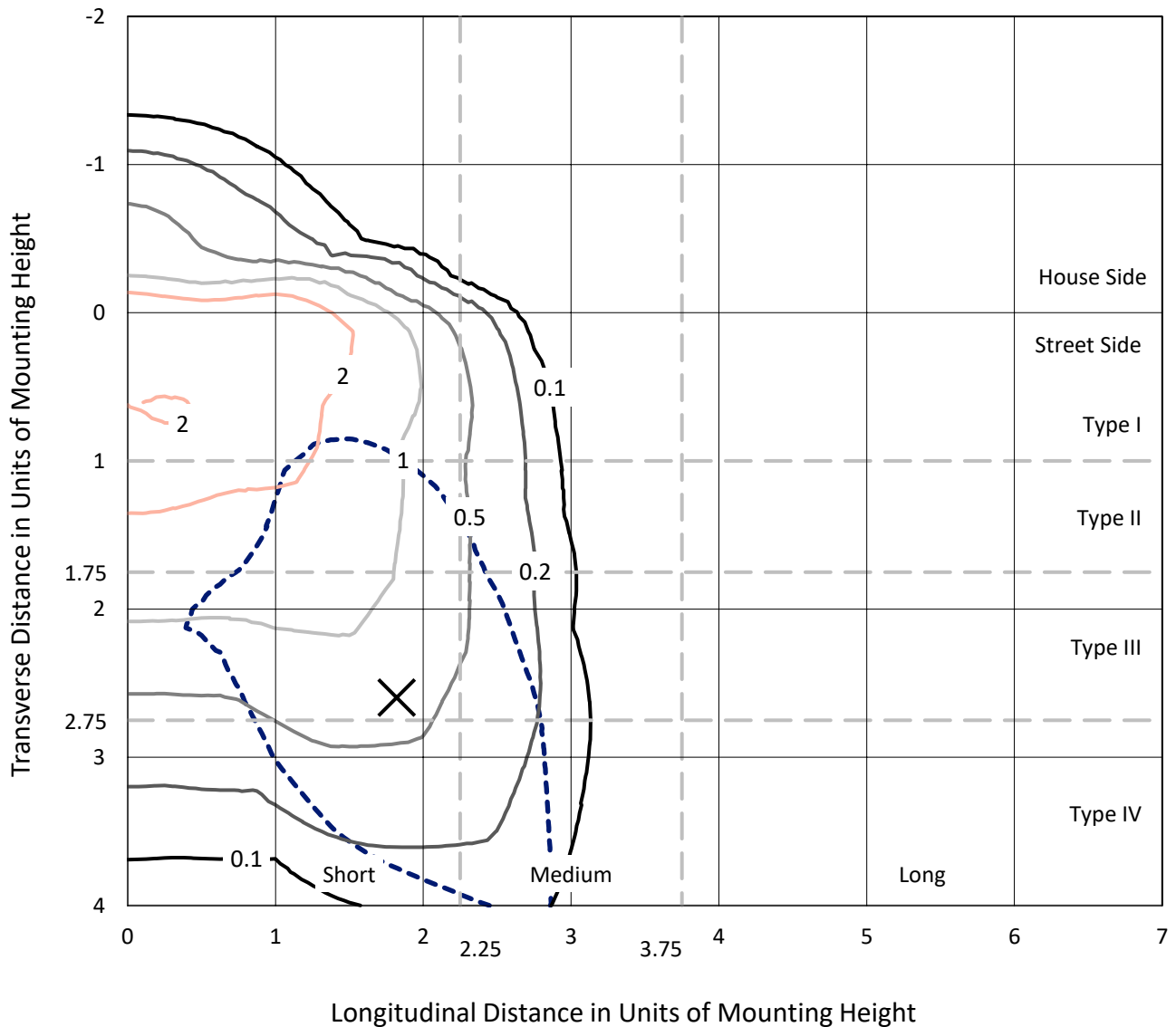
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

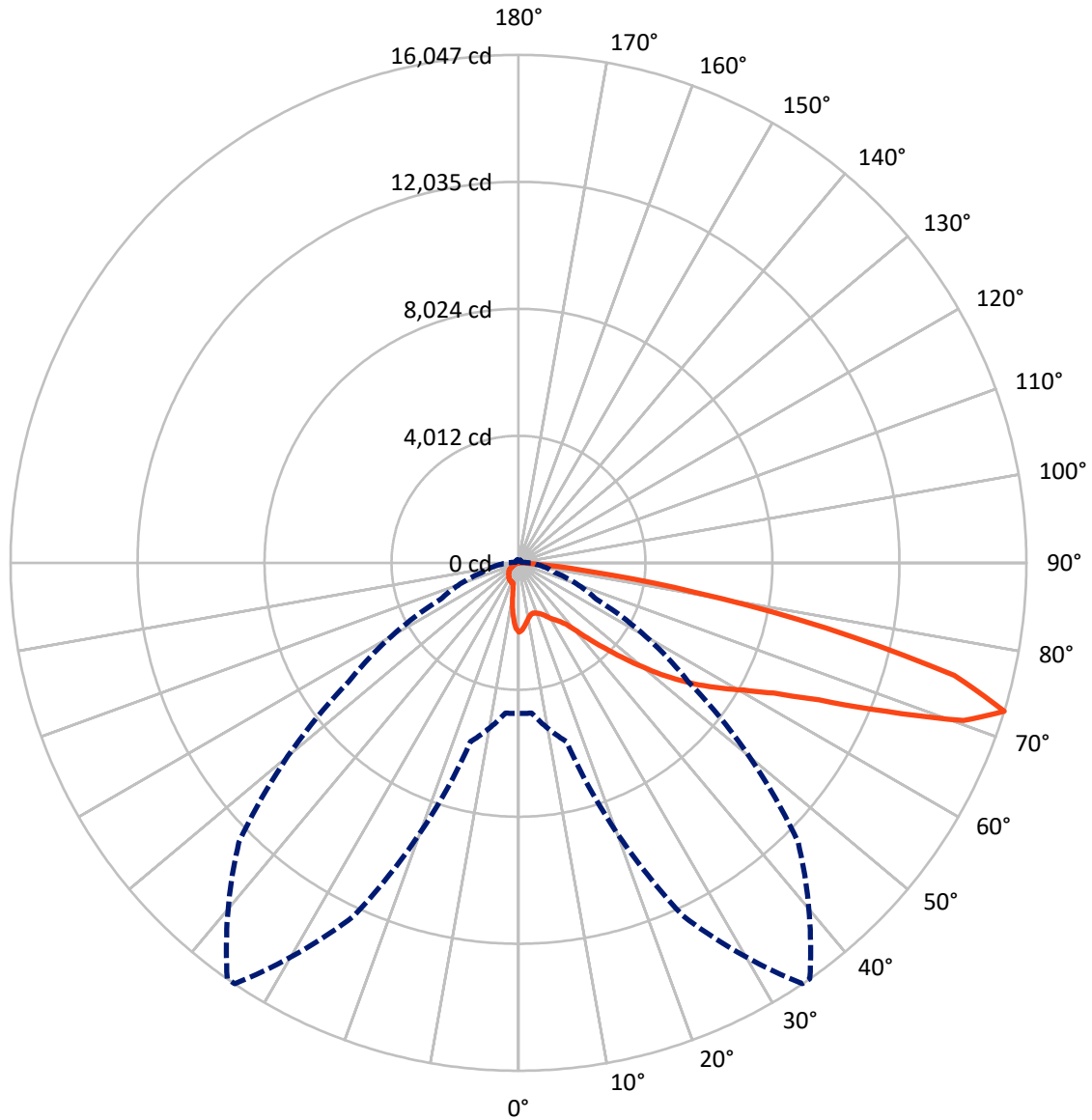
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1702.8 | 0.0 | 1702.8 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 13427.2 | 0.0 | 13427.2 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 15130.0 | 0.0 | 15130.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 180.2 | 1.2 |
| 10°-20° | 421.5 | 2.8 |
| 20°-30° | 684.8 | 4.5 |
| 30°-40° | 1142.5 | 7.6 |
| 40°-50° | 2161.7 | 14.3 |
| 50°-60° | 3435.0 | 22.7 |
| 60°-70° | 4249.3 | 28.1 |
| 70°-80° | 2641.4 | 17.5 |
| 80°-90° | 213.5 | 1.4 |
| 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° | 15130.0 | 100.0 |
| 0°-180° | 15130.0 | 100.0 |

Coefficient of Utilization



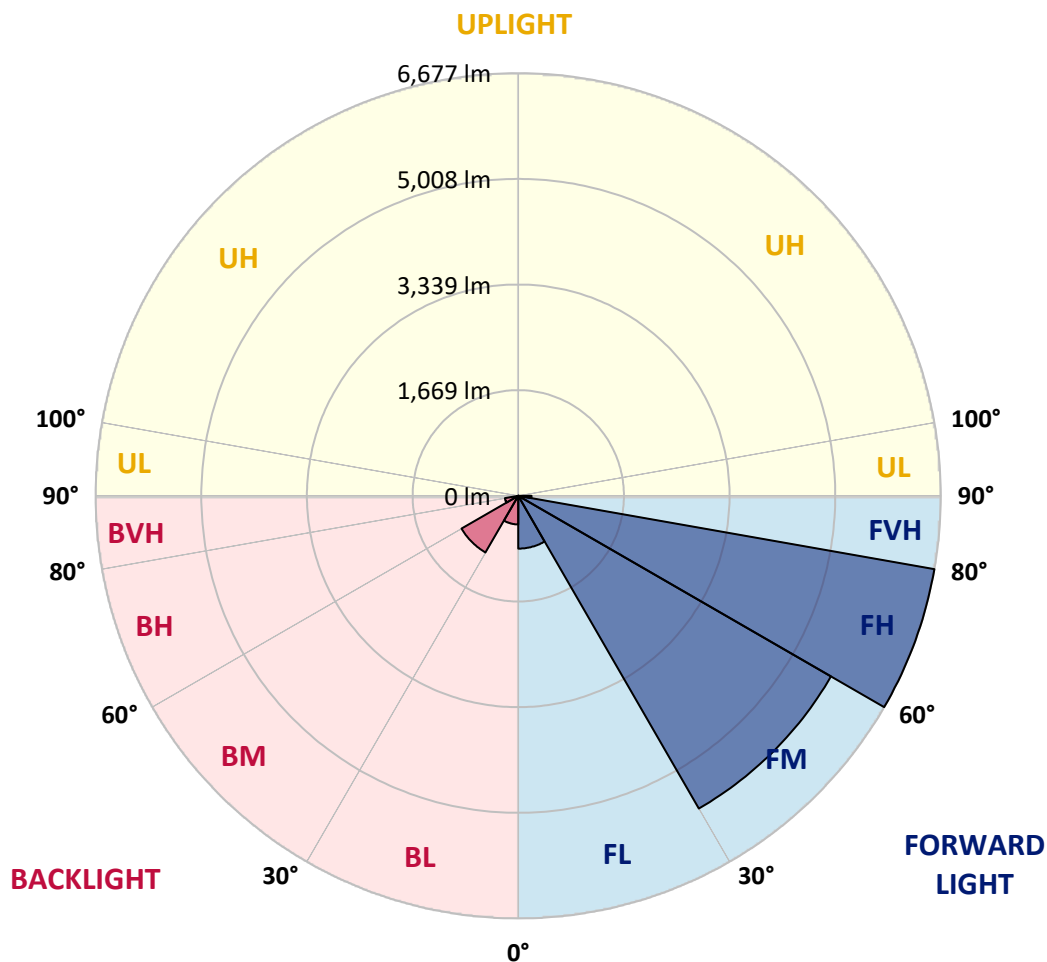
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 834.0 | 5.5 | | | |
| FM (30°-60°) | 5705.5 | 37.7 | | | |
| FH (60°-80°) | 6677.1 | 44.1 | | | G3/7500 |
| FVH (80°-90°) | 210.6 | 1.4 | | | G2/225 |
| BL (0°-30°) | 452.5 | 3.0 | B1/500 | | |
| BM (30°-60°) | 1033.8 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 213.7 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 |
| 2.5° | 2095.3 | 2113.0 | 2116.3 | 2121.9 | 2121.9 | 2128.5 | 2139.6 | 2155.2 | 2180.6 | 2194.0 |
| 5° | 1931.2 | 1944.5 | 1961.1 | 1974.4 | 1999.9 | 2003.3 | 2046.5 | 2088.6 | 2147.4 | 2191.7 |
| 7.5° | 1766.0 | 1781.5 | 1803.7 | 1835.9 | 1869.1 | 1879.1 | 1944.5 | 2015.5 | 2108.6 | 2191.7 |
| 10° | 1649.6 | 1650.7 | 1670.7 | 1702.8 | 1756.0 | 1768.2 | 1848.1 | 1948.9 | 2065.4 | 2178.4 |
| 12.5° | 1584.2 | 1592.0 | 1600.8 | 1625.2 | 1676.2 | 1684.0 | 1769.4 | 1888.0 | 2022.1 | 2170.7 |
| 15° | 1584.2 | 1589.8 | 1595.3 | 1607.5 | 1648.5 | 1655.2 | 1730.6 | 1849.2 | 1999.9 | 2174.0 |
| 17.5° | 1600.8 | 1609.7 | 1605.3 | 1619.7 | 1662.9 | 1667.4 | 1733.9 | 1838.1 | 1998.8 | 2195.1 |
| 20° | 1640.8 | 1647.4 | 1638.5 | 1647.4 | 1690.6 | 1699.5 | 1768.2 | 1859.2 | 2017.7 | 2231.6 |
| 22.5° | 1703.9 | 1707.3 | 1686.2 | 1692.9 | 1737.2 | 1748.3 | 1828.1 | 1919.0 | 2063.1 | 2290.4 |
| 25° | 1783.8 | 1790.4 | 1758.3 | 1766.0 | 1808.2 | 1821.5 | 1913.5 | 2008.8 | 2135.2 | 2371.3 |
| 27.5° | 1875.8 | 1879.1 | 1851.4 | 1850.3 | 1904.6 | 1923.5 | 2016.6 | 2119.7 | 2231.6 | 2473.3 |
| 30° | 1981.1 | 1991.1 | 1964.5 | 1960.0 | 2028.8 | 2044.3 | 2136.3 | 2256.0 | 2373.5 | 2626.3 |
| 32.5° | 2064.2 | 2072.0 | 2056.5 | 2067.6 | 2137.4 | 2149.6 | 2281.5 | 2448.9 | 2596.4 | 2843.6 |
| 35° | 2184.0 | 2188.4 | 2152.9 | 2172.9 | 2252.7 | 2283.8 | 2480.0 | 2719.4 | 2876.9 | 3116.3 |
| 37.5° | 2617.4 | 2617.4 | 2466.7 | 2368.0 | 2444.5 | 2472.2 | 2751.6 | 3059.8 | 3222.7 | 3482.2 |
| 40° | 3217.2 | 3207.2 | 2986.6 | 2784.8 | 2774.9 | 2829.2 | 3138.5 | 3488.8 | 3669.5 | 3921.2 |
| 42.5° | 3856.9 | 3841.4 | 3540.9 | 3341.4 | 3308.1 | 3327.0 | 3585.3 | 4017.6 | 4201.7 | 4456.6 |
| 45° | 4424.5 | 4420.1 | 4145.1 | 3876.8 | 3817.0 | 3876.8 | 4142.9 | 4636.2 | 4768.2 | 5036.4 |
| 47.5° | 4900.1 | 4900.1 | 4699.4 | 4524.3 | 4493.2 | 4528.7 | 4897.9 | 5322.5 | 5310.3 | 5653.9 |
| 50° | 5447.7 | 5443.3 | 5252.6 | 5177.2 | 5209.4 | 5259.3 | 5767.0 | 6045.3 | 5871.2 | 6260.4 |
| 52.5° | 5831.3 | 5857.9 | 5792.5 | 5780.3 | 5944.4 | 6030.9 | 6649.5 | 6752.6 | 6373.4 | 6835.7 |
| 55° | 6135.1 | 6166.1 | 6241.5 | 6326.9 | 6642.8 | 6755.9 | 7504.2 | 7423.3 | 6793.6 | 7334.6 |
| 57.5° | 6565.2 | 6520.9 | 6637.3 | 6805.8 | 7316.9 | 7453.2 | 8332.4 | 8056.3 | 7131.7 | 7739.3 |
| 60° | 7087.4 | 7094.0 | 7114.0 | 7326.8 | 7989.8 | 8165.0 | 9148.3 | 8655.0 | 7349.0 | 7987.6 |
| 62.5° | 7714.9 | 7724.8 | 7765.9 | 8092.9 | 8893.3 | 9058.5 | 10017.5 | 9145.0 | 7448.8 | 7917.7 |
| 65° | 7671.6 | 7713.8 | 8171.6 | 9290.2 | 10266.9 | 10429.9 | 11031.8 | 9488.7 | 7298.0 | 7279.2 |
| 67.5° | 6988.7 | 7057.5 | 7823.5 | 10720.3 | 12337.8 | 12519.6 | 12258.0 | 9556.3 | 6647.3 | 5660.6 |
| 70° | 6093.0 | 6117.3 | 7038.6 | 12006.3 | 14735.7 | 14919.8 | 13355.5 | 8812.4 | 5044.2 | 3157.3 |
| 72.5° | 4758.2 | 4763.7 | 5844.6 | 12304.5 | 16037.3 | 16047.2 | 12494.1 | 6541.9 | 2712.8 | 1212.8 |
| 75° | 3399.0 | 3365.8 | 3914.5 | 9978.7 | 14109.4 | 14222.4 | 9366.7 | 3068.7 | 1036.6 | 573.2 |
| 77.5° | 1822.6 | 1859.2 | 2215.0 | 5917.8 | 9747.0 | 9939.9 | 5110.7 | 884.7 | 527.7 | 390.2 |
| 80° | 563.2 | 594.2 | 908.0 | 2709.5 | 5520.9 | 5637.3 | 1894.6 | 393.6 | 368.1 | 278.3 |
| 82.5° | 177.4 | 184.0 | 423.5 | 1138.5 | 2291.5 | 2344.7 | 548.8 | 222.8 | 251.7 | 184.0 |
| 85° | 51.0 | 52.1 | 188.5 | 424.6 | 566.5 | 577.6 | 154.1 | 86.5 | 144.1 | 114.2 |
| 87.5° | 5.5 | 17.7 | 71.0 | 71.0 | 49.9 | 48.8 | 16.6 | 18.8 | 41.0 | 14.4 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2192.8 | 0° | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 | 2192.8 |
| 2202.8 | 2.5° | 2197.3 | 2198.4 | 2184.0 | 2159.6 | 2133.0 | 2110.8 | 2083.1 | 2060.9 | 2045.4 | 2041.0 |
| 2222.8 | 5° | 2212.8 | 2205.0 | 2164.0 | 2089.7 | 2001.1 | 1924.6 | 1839.2 | 1771.6 | 1727.2 | 1708.4 |
| 2243.8 | 7.5° | 2236.1 | 2213.9 | 2124.1 | 1977.8 | 1808.2 | 1657.4 | 1504.4 | 1385.8 | 1310.4 | 1272.7 |
| 2263.8 | 10° | 2256.0 | 2211.7 | 2057.6 | 1815.9 | 1556.5 | 1328.1 | 1121.9 | 978.9 | 899.1 | 861.4 |
| 2287.1 | 12.5° | 2274.9 | 2210.6 | 1971.1 | 1624.1 | 1272.7 | 993.3 | 801.5 | 730.6 | 708.4 | 700.6 |
| 2324.8 | 15° | 2310.4 | 2213.9 | 1862.5 | 1404.6 | 990.0 | 750.5 | 680.7 | 679.6 | 684.0 | 681.8 |
| 2382.4 | 17.5° | 2359.1 | 2217.2 | 1739.4 | 1171.8 | 763.8 | 661.8 | 658.5 | 668.5 | 675.1 | 671.8 |
| 2454.5 | 20° | 2422.3 | 2230.5 | 1608.6 | 941.2 | 656.3 | 639.7 | 647.4 | 656.3 | 661.8 | 656.3 |
| 2550.9 | 22.5° | 2511.0 | 2253.8 | 1465.6 | 756.1 | 621.9 | 626.4 | 633.0 | 643.0 | 648.5 | 640.8 |
| 2674.0 | 25° | 2619.7 | 2290.4 | 1324.8 | 657.4 | 605.3 | 610.8 | 620.8 | 631.9 | 638.6 | 630.8 |
| 2829.2 | 27.5° | 2760.5 | 2349.2 | 1195.1 | 635.2 | 588.7 | 592.0 | 606.4 | 623.0 | 631.9 | 621.9 |
| 3049.8 | 30° | 2964.4 | 2445.6 | 1083.1 | 645.2 | 578.7 | 570.9 | 590.9 | 614.2 | 624.2 | 615.3 |
| 3350.2 | 32.5° | 3234.9 | 2582.0 | 1014.4 | 660.7 | 574.3 | 546.5 | 565.4 | 595.3 | 612.0 | 606.4 |
| 3742.7 | 35° | 3589.7 | 2789.3 | 987.8 | 678.5 | 570.9 | 521.0 | 534.4 | 566.5 | 595.3 | 600.9 |
| 4237.1 | 37.5° | 4019.8 | 3077.5 | 995.5 | 686.2 | 561.0 | 500.0 | 506.6 | 534.4 | 572.0 | 589.8 |
| 4793.7 | 40° | 4508.7 | 3413.4 | 1039.9 | 678.5 | 549.9 | 482.2 | 483.4 | 504.4 | 537.7 | 564.3 |
| 5392.3 | 42.5° | 5013.2 | 3805.9 | 1121.9 | 649.6 | 539.9 | 466.7 | 463.4 | 477.8 | 500.0 | 518.8 |
| 5989.9 | 45° | 5493.2 | 4209.4 | 1202.8 | 609.7 | 527.7 | 451.2 | 443.4 | 449.0 | 453.4 | 461.2 |
| 6571.9 | 47.5° | 5912.3 | 4493.2 | 1179.6 | 573.2 | 511.1 | 433.5 | 420.2 | 417.9 | 404.6 | 403.5 |
| 7091.8 | 50° | 6201.6 | 4555.3 | 1047.6 | 536.6 | 486.7 | 413.5 | 392.5 | 379.1 | 355.9 | 344.8 |
| 7480.9 | 52.5° | 6293.6 | 4310.3 | 855.9 | 500.0 | 446.8 | 386.9 | 357.0 | 335.9 | 307.1 | 297.1 |
| 7704.9 | 55° | 6171.7 | 3830.3 | 684.0 | 455.6 | 391.3 | 351.4 | 318.2 | 290.5 | 267.2 | 255.0 |
| 7729.3 | 57.5° | 5873.5 | 3219.4 | 541.0 | 403.5 | 332.6 | 311.5 | 278.3 | 250.5 | 230.6 | 218.4 |
| 7458.8 | 60° | 5379.0 | 2556.5 | 427.9 | 341.5 | 283.8 | 268.3 | 233.9 | 216.2 | 198.4 | 184.0 |
| 6760.3 | 62.5° | 4628.5 | 1824.8 | 335.9 | 270.5 | 237.2 | 219.5 | 199.6 | 186.2 | 165.2 | 145.2 |
| 5504.3 | 65° | 3611.9 | 1116.4 | 259.4 | 198.4 | 190.7 | 181.8 | 169.6 | 157.4 | 131.9 | 112.0 |
| 3590.8 | 67.5° | 2278.2 | 528.8 | 185.1 | 149.7 | 150.8 | 146.3 | 140.8 | 130.8 | 112.0 | 94.2 |
| 1608.6 | 70° | 1003.3 | 256.1 | 121.9 | 114.2 | 112.0 | 112.0 | 116.4 | 113.1 | 95.3 | 78.7 |
| 558.7 | 72.5° | 341.5 | 137.5 | 90.9 | 86.5 | 80.9 | 79.8 | 97.6 | 94.2 | 76.5 | 61.0 |
| 278.3 | 75° | 178.5 | 92.0 | 66.5 | 62.1 | 48.8 | 58.8 | 77.6 | 73.2 | 54.3 | 39.9 |
| 184.0 | 77.5° | 116.4 | 65.4 | 45.5 | 39.9 | 27.7 | 38.8 | 57.6 | 51.0 | 32.1 | 20.0 |
| 120.8 | 80° | 73.2 | 43.2 | 26.6 | 18.8 | 13.3 | 21.1 | 31.0 | 22.2 | 12.2 | 4.4 |
| 71.0 | 82.5° | 38.8 | 22.2 | 10.0 | 6.7 | 5.5 | 6.7 | 7.8 | 5.5 | 2.2 | 0.0 |
| 36.6 | 85° | 15.5 | 7.8 | 3.3 | 2.2 | 1.1 | 0.0 | 2.2 | 1.1 | 0.0 | 0.0 |
| 6.7 | 87.5° | 5.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° |
|--------|
| 2192.8 |
| 2048.7 |
| 1715.0 |
| 1278.2 |
| 862.5 |
| 698.4 |
| 680.7 |
| 670.7 |
| 655.2 |
| 639.7 |
| 629.7 |
| 621.9 |
| 614.2 |
| 606.4 |
| 600.9 |
| 594.2 |
| 573.2 |
| 526.6 |
| 465.6 |
| 402.4 |
| 345.9 |
| 296.0 |
| 255.0 |
| 216.2 |
| 180.7 |
| 141.9 |
| 108.6 |
| 92.0 |
| 75.4 |
| 57.6 |
| 36.6 |
| 17.7 |
| 3.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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