

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: P852448

Luminaire Tested: **GLAN-SB3D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852448
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-SB3D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA 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: 15596 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

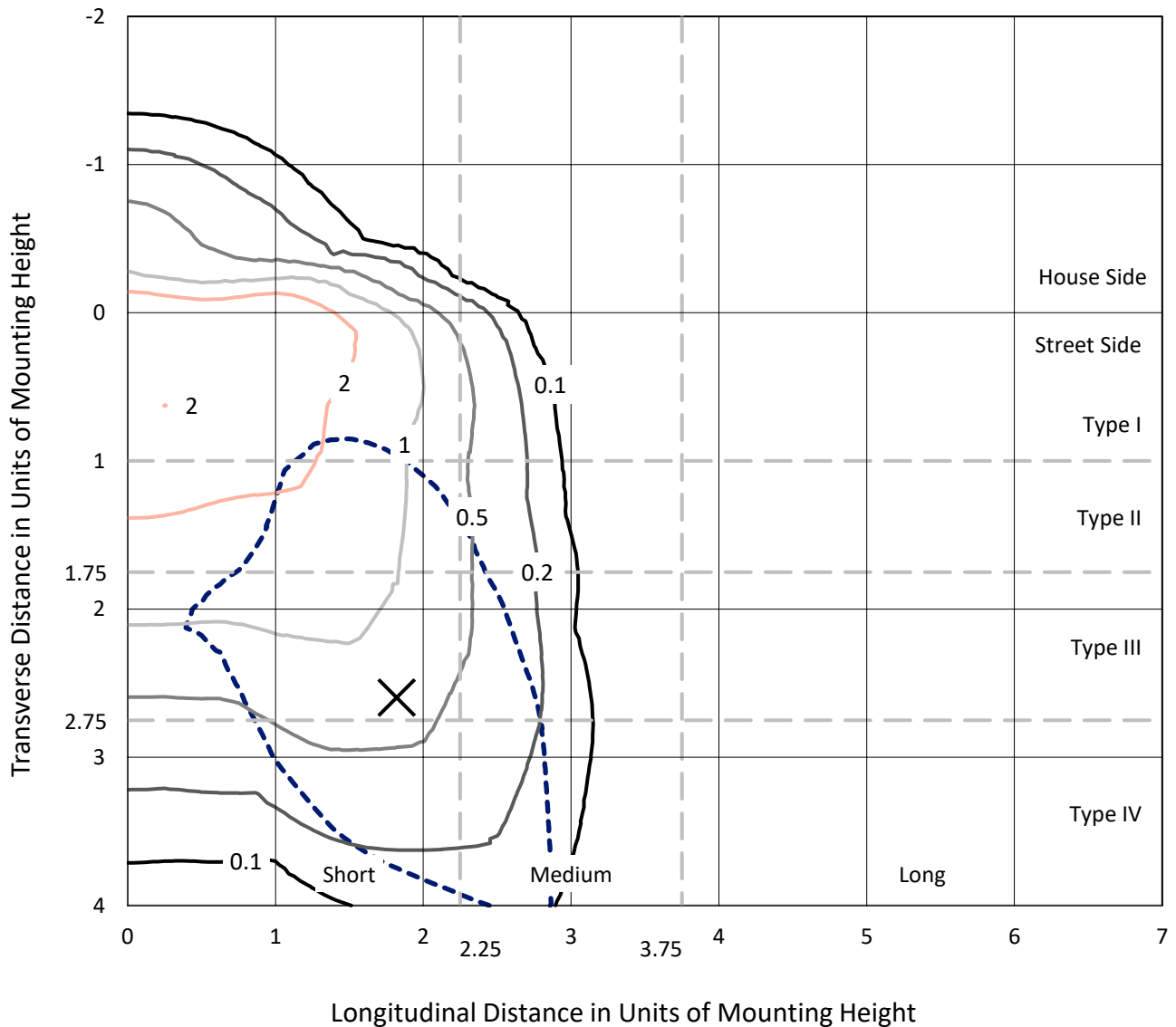
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

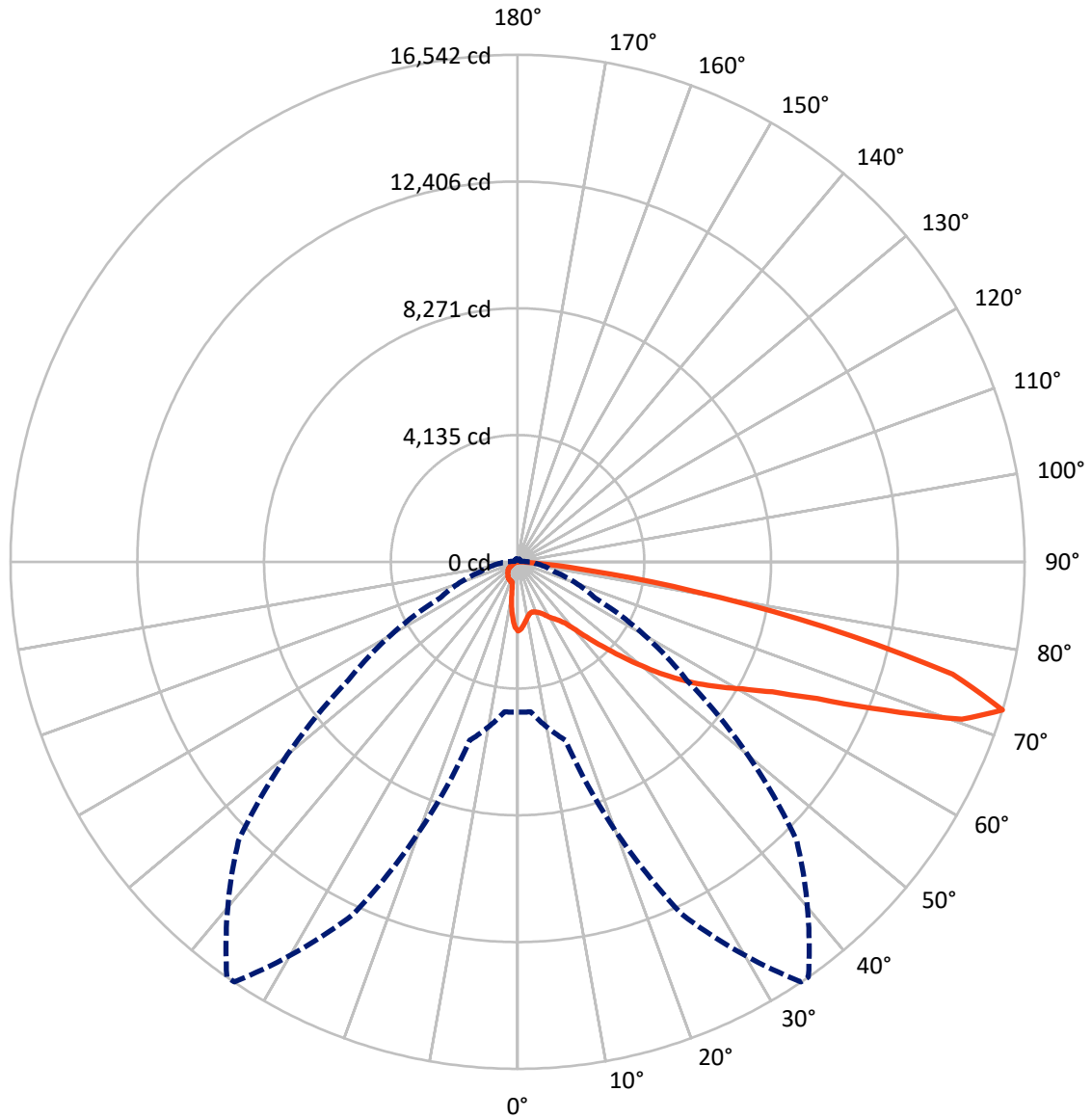
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - 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 | 1755.3 | 0.0 | 1755.3 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 13840.7 | 0.0 | 13840.7 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 15596.0 | 0.0 | 15596.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 185.7 | 1.2 |
| 10°-20° | 434.5 | 2.8 |
| 20°-30° | 705.9 | 4.5 |
| 30°-40° | 1177.7 | 7.6 |
| 40°-50° | 2228.3 | 14.3 |
| 50°-60° | 3540.8 | 22.7 |
| 60°-70° | 4380.2 | 28.1 |
| 70°-80° | 2722.8 | 17.5 |
| 80°-90° | 220.0 | 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° | 15596.0 | 100.0 |
| 0°-180° | 15596.0 | 100.0 |

Coefficient of Utilization



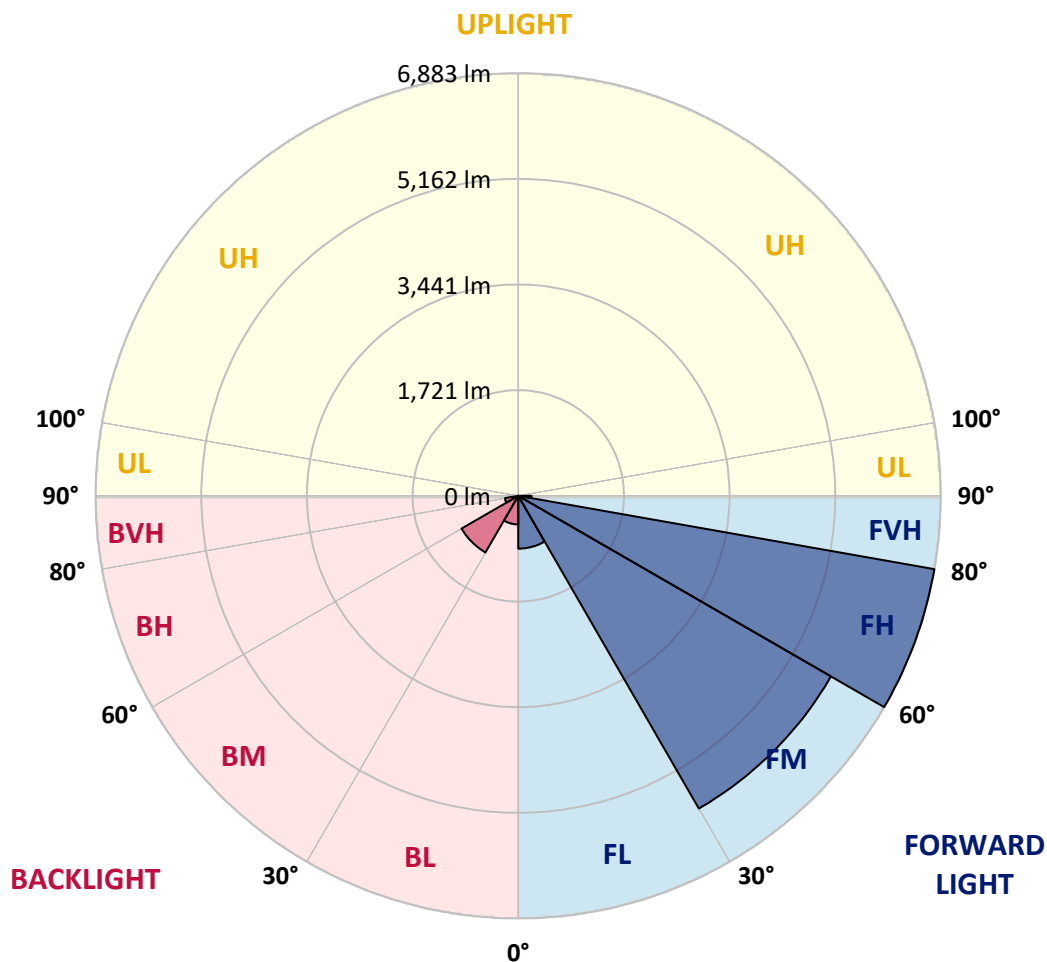
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 859.7 | 5.5 | | | |
| FM (30°-60°) | 5881.2 | 37.7 | | | |
| FH (60°-80°) | 6882.7 | 44.1 | | | G3/7500 |
| FVH (80°-90°) | 217.0 | 1.4 | | | G2/225 |
| BL (0°-30°) | 466.4 | 3.0 | B1/500 | | |
| BM (30°-60°) | 1065.6 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 220.3 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.0 | 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° | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 |
| 2.5° | 2159.8 | 2178.1 | 2181.5 | 2187.2 | 2187.2 | 2194.1 | 2205.5 | 2221.5 | 2247.8 | 2261.5 |
| 5° | 1990.7 | 2004.4 | 2021.5 | 2035.3 | 2061.5 | 2065.0 | 2109.5 | 2153.0 | 2213.5 | 2259.2 |
| 7.5° | 1820.4 | 1836.4 | 1859.3 | 1892.4 | 1926.7 | 1937.0 | 2004.4 | 2077.5 | 2173.5 | 2259.2 |
| 10° | 1700.4 | 1701.6 | 1722.1 | 1755.3 | 1810.1 | 1822.7 | 1905.0 | 2009.0 | 2129.0 | 2245.5 |
| 12.5° | 1633.0 | 1641.0 | 1650.1 | 1675.3 | 1727.9 | 1735.9 | 1823.8 | 1946.1 | 2084.4 | 2237.5 |
| 15° | 1633.0 | 1638.7 | 1644.4 | 1657.0 | 1699.3 | 1706.1 | 1783.9 | 1906.1 | 2061.5 | 2241.0 |
| 17.5° | 1650.1 | 1659.3 | 1654.7 | 1669.6 | 1714.1 | 1718.7 | 1787.3 | 1894.7 | 2060.4 | 2262.7 |
| 20° | 1691.3 | 1698.1 | 1689.0 | 1698.1 | 1742.7 | 1751.9 | 1822.7 | 1916.4 | 2079.8 | 2300.4 |
| 22.5° | 1756.4 | 1759.9 | 1738.1 | 1745.0 | 1790.7 | 1802.1 | 1884.4 | 1978.1 | 2126.7 | 2360.9 |
| 25° | 1838.7 | 1845.6 | 1812.4 | 1820.4 | 1863.8 | 1877.6 | 1972.4 | 2070.7 | 2201.0 | 2444.4 |
| 27.5° | 1933.6 | 1937.0 | 1908.4 | 1907.3 | 1963.3 | 1982.7 | 2078.7 | 2185.0 | 2300.4 | 2549.5 |
| 30° | 2042.1 | 2052.4 | 2025.0 | 2020.4 | 2091.3 | 2107.3 | 2202.1 | 2325.5 | 2446.7 | 2707.2 |
| 32.5° | 2127.8 | 2135.8 | 2119.8 | 2131.3 | 2203.2 | 2215.8 | 2351.8 | 2524.4 | 2676.3 | 2931.2 |
| 35° | 2251.2 | 2255.8 | 2219.2 | 2239.8 | 2322.1 | 2354.1 | 2556.4 | 2803.2 | 2965.5 | 3212.3 |
| 37.5° | 2698.1 | 2698.1 | 2542.6 | 2440.9 | 2519.8 | 2548.4 | 2836.3 | 3154.0 | 3322.0 | 3589.4 |
| 40° | 3316.3 | 3306.0 | 3078.6 | 2870.6 | 2860.3 | 2916.3 | 3235.2 | 3596.3 | 3782.5 | 4041.9 |
| 42.5° | 3975.7 | 3959.7 | 3650.0 | 3444.3 | 3410.0 | 3429.4 | 3695.7 | 4141.4 | 4331.1 | 4593.9 |
| 45° | 4560.8 | 4556.2 | 4272.8 | 3996.2 | 3934.5 | 3996.2 | 4270.5 | 4779.0 | 4915.0 | 5191.6 |
| 47.5° | 5051.0 | 5051.0 | 4844.2 | 4663.6 | 4631.6 | 4668.2 | 5048.7 | 5486.4 | 5473.8 | 5828.1 |
| 50° | 5615.5 | 5611.0 | 5414.4 | 5336.7 | 5369.8 | 5421.3 | 5944.6 | 6231.5 | 6052.1 | 6453.2 |
| 52.5° | 6010.9 | 6038.4 | 5970.9 | 5958.4 | 6127.5 | 6216.6 | 6854.3 | 6960.6 | 6569.7 | 7046.3 |
| 55° | 6324.0 | 6356.0 | 6433.8 | 6521.7 | 6847.4 | 6964.0 | 7735.4 | 7651.9 | 7002.8 | 7560.5 |
| 57.5° | 6767.4 | 6721.7 | 6841.7 | 7015.4 | 7542.2 | 7682.8 | 8589.0 | 8304.5 | 7351.4 | 7977.6 |
| 60° | 7305.7 | 7312.5 | 7333.1 | 7552.5 | 8235.9 | 8416.4 | 9430.1 | 8921.5 | 7575.4 | 8233.6 |
| 62.5° | 7952.5 | 7962.8 | 8005.0 | 8342.2 | 9167.2 | 9337.5 | 10326.0 | 9426.6 | 7678.2 | 8161.6 |
| 65° | 7907.9 | 7951.3 | 8423.3 | 9576.3 | 10583.1 | 10751.1 | 11371.6 | 9780.9 | 7522.8 | 7503.4 |
| 67.5° | 7204.0 | 7274.8 | 8064.5 | 11050.5 | 12717.8 | 12905.2 | 12635.5 | 9850.6 | 6852.0 | 5834.9 |
| 70° | 6280.6 | 6305.8 | 7255.4 | 12376.1 | 15189.6 | 15379.3 | 13766.9 | 9083.8 | 5199.6 | 3254.6 |
| 72.5° | 4904.7 | 4910.4 | 6024.6 | 12683.5 | 16531.2 | 16541.5 | 12878.9 | 6743.4 | 2796.3 | 1250.2 |
| 75° | 3503.7 | 3469.4 | 4035.1 | 10286.0 | 14543.9 | 14660.5 | 9655.2 | 3163.2 | 1068.5 | 590.8 |
| 77.5° | 1878.7 | 1916.4 | 2283.2 | 6100.1 | 10047.2 | 10246.0 | 5268.1 | 911.9 | 544.0 | 402.3 |
| 80° | 580.5 | 612.5 | 935.9 | 2792.9 | 5691.0 | 5810.9 | 1953.0 | 405.7 | 379.4 | 286.8 |
| 82.5° | 182.8 | 189.7 | 436.5 | 1173.6 | 2362.1 | 2416.9 | 565.7 | 229.7 | 259.4 | 189.7 |
| 85° | 52.6 | 53.7 | 194.3 | 437.7 | 584.0 | 595.4 | 158.8 | 89.1 | 148.6 | 117.7 |
| 87.5° | 5.7 | 18.3 | 73.1 | 73.1 | 51.4 | 50.3 | 17.1 | 19.4 | 42.3 | 14.9 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2260.4 | 0° | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 | 2260.4 |
| 2270.7 | 2.5° | 2265.0 | 2266.1 | 2251.2 | 2226.1 | 2198.7 | 2175.8 | 2147.2 | 2124.4 | 2108.4 | 2103.8 |
| 2291.2 | 5° | 2281.0 | 2273.0 | 2230.7 | 2154.1 | 2062.7 | 1983.8 | 1895.8 | 1826.1 | 1780.4 | 1761.0 |
| 2313.0 | 7.5° | 2305.0 | 2282.1 | 2189.5 | 2038.7 | 1863.8 | 1708.4 | 1550.7 | 1428.5 | 1350.7 | 1311.9 |
| 2333.5 | 10° | 2325.5 | 2279.8 | 2121.0 | 1871.8 | 1604.4 | 1369.0 | 1156.5 | 1009.1 | 926.8 | 887.9 |
| 2357.5 | 12.5° | 2344.9 | 2278.7 | 2031.8 | 1674.1 | 1311.9 | 1023.9 | 826.2 | 753.1 | 730.2 | 722.2 |
| 2396.4 | 15° | 2381.5 | 2282.1 | 1919.8 | 1447.9 | 1020.5 | 773.6 | 701.7 | 700.5 | 705.1 | 702.8 |
| 2455.8 | 17.5° | 2431.8 | 2285.5 | 1793.0 | 1207.9 | 787.4 | 682.2 | 678.8 | 689.1 | 695.9 | 692.5 |
| 2530.1 | 20° | 2496.9 | 2299.2 | 1658.1 | 970.2 | 676.5 | 659.4 | 667.4 | 676.5 | 682.2 | 676.5 |
| 2629.5 | 22.5° | 2588.4 | 2323.2 | 1510.7 | 779.4 | 641.1 | 645.7 | 652.5 | 662.8 | 668.5 | 660.5 |
| 2756.3 | 25° | 2700.3 | 2360.9 | 1365.6 | 677.7 | 623.9 | 629.7 | 639.9 | 651.4 | 658.2 | 650.2 |
| 2916.3 | 27.5° | 2845.5 | 2421.5 | 1231.9 | 654.8 | 606.8 | 610.2 | 625.1 | 642.2 | 651.4 | 641.1 |
| 3143.7 | 30° | 3055.7 | 2520.9 | 1116.5 | 665.1 | 596.5 | 588.5 | 609.1 | 633.1 | 643.4 | 634.2 |
| 3453.4 | 32.5° | 3334.6 | 2661.5 | 1045.6 | 681.1 | 592.0 | 563.4 | 582.8 | 613.7 | 630.8 | 625.1 |
| 3858.0 | 35° | 3700.3 | 2875.2 | 1018.2 | 699.4 | 588.5 | 537.1 | 550.8 | 584.0 | 613.7 | 619.4 |
| 4367.6 | 37.5° | 4143.7 | 3172.3 | 1026.2 | 707.4 | 578.2 | 515.4 | 522.2 | 550.8 | 589.7 | 607.9 |
| 4941.3 | 40° | 4647.6 | 3518.6 | 1071.9 | 699.4 | 566.8 | 497.1 | 498.2 | 520.0 | 554.2 | 581.7 |
| 5558.4 | 42.5° | 5167.6 | 3923.1 | 1156.5 | 669.7 | 556.5 | 481.1 | 477.7 | 492.5 | 515.4 | 534.8 |
| 6174.3 | 45° | 5662.4 | 4339.1 | 1239.9 | 628.5 | 544.0 | 465.1 | 457.1 | 462.8 | 467.4 | 475.4 |
| 6774.3 | 47.5° | 6094.3 | 4631.6 | 1215.9 | 590.8 | 526.8 | 446.8 | 433.1 | 430.8 | 417.1 | 416.0 |
| 7310.2 | 50° | 6392.6 | 4695.6 | 1079.9 | 553.1 | 501.7 | 426.3 | 404.5 | 390.8 | 366.8 | 355.4 |
| 7711.4 | 52.5° | 6487.5 | 4443.1 | 882.2 | 515.4 | 460.5 | 398.8 | 368.0 | 346.3 | 316.5 | 306.3 |
| 7942.2 | 55° | 6361.8 | 3948.2 | 705.1 | 469.7 | 403.4 | 362.3 | 328.0 | 299.4 | 275.4 | 262.8 |
| 7967.3 | 57.5° | 6054.4 | 3318.6 | 557.7 | 416.0 | 342.8 | 321.1 | 286.8 | 258.3 | 237.7 | 225.1 |
| 7688.5 | 60° | 5544.7 | 2635.2 | 441.1 | 352.0 | 292.5 | 276.5 | 241.1 | 222.8 | 204.6 | 189.7 |
| 6968.6 | 62.5° | 4771.0 | 1881.0 | 346.3 | 278.8 | 244.6 | 226.3 | 205.7 | 192.0 | 170.3 | 149.7 |
| 5673.8 | 65° | 3723.1 | 1150.8 | 267.4 | 204.6 | 196.6 | 187.4 | 174.8 | 162.3 | 136.0 | 115.4 |
| 3701.4 | 67.5° | 2348.4 | 545.1 | 190.8 | 154.3 | 155.4 | 150.8 | 145.1 | 134.8 | 115.4 | 97.1 |
| 1658.1 | 70° | 1034.2 | 264.0 | 125.7 | 117.7 | 115.4 | 115.4 | 120.0 | 116.6 | 98.3 | 81.1 |
| 576.0 | 72.5° | 352.0 | 141.7 | 93.7 | 89.1 | 83.4 | 82.3 | 100.6 | 97.1 | 78.9 | 62.9 |
| 286.8 | 75° | 184.0 | 94.8 | 68.6 | 64.0 | 50.3 | 60.6 | 80.0 | 75.4 | 56.0 | 41.1 |
| 189.7 | 77.5° | 120.0 | 67.4 | 46.9 | 41.1 | 28.6 | 40.0 | 59.4 | 52.6 | 33.1 | 20.6 |
| 124.6 | 80° | 75.4 | 44.6 | 27.4 | 19.4 | 13.7 | 21.7 | 32.0 | 22.9 | 12.6 | 4.6 |
| 73.1 | 82.5° | 40.0 | 22.9 | 10.3 | 6.9 | 5.7 | 6.9 | 8.0 | 5.7 | 2.3 | 0.0 |
| 37.7 | 85° | 16.0 | 8.0 | 3.4 | 2.3 | 1.1 | 0.0 | 2.3 | 1.1 | 0.0 | 0.0 |
| 6.9 | 87.5° | 5.7 | 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 |

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| |
|--------|
| 180° |
| <hr/> |
| 2260.4 |
| 2111.8 |
| 1767.9 |
| 1317.6 |
| 889.1 |
| 719.9 |
| 701.7 |
| 691.4 |
| 675.4 |
| 659.4 |
| 649.1 |
| 641.1 |
| 633.1 |
| 625.1 |
| 619.4 |
| 612.5 |
| 590.8 |
| 542.8 |
| 480.0 |
| 414.8 |
| 356.5 |
| 305.1 |
| 262.8 |
| 222.8 |
| 186.3 |
| 146.3 |
| 112.0 |
| 94.8 |
| 77.7 |
| 59.4 |
| 37.7 |
| 18.3 |
| 3.4 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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