

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: P849225

Luminaire Tested: **GLAN-SB6A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849225
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-SB6A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA 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: 13401 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

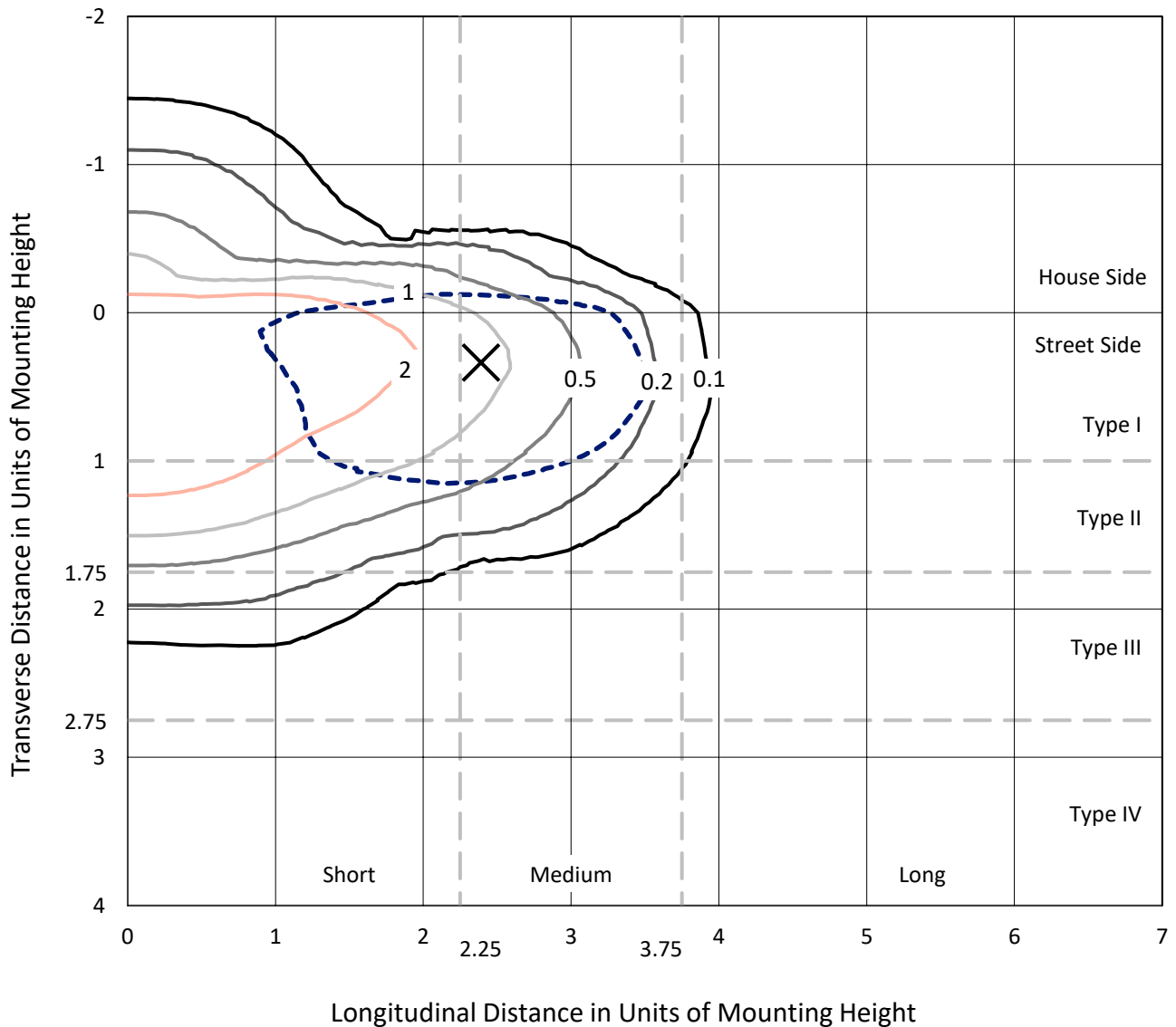
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

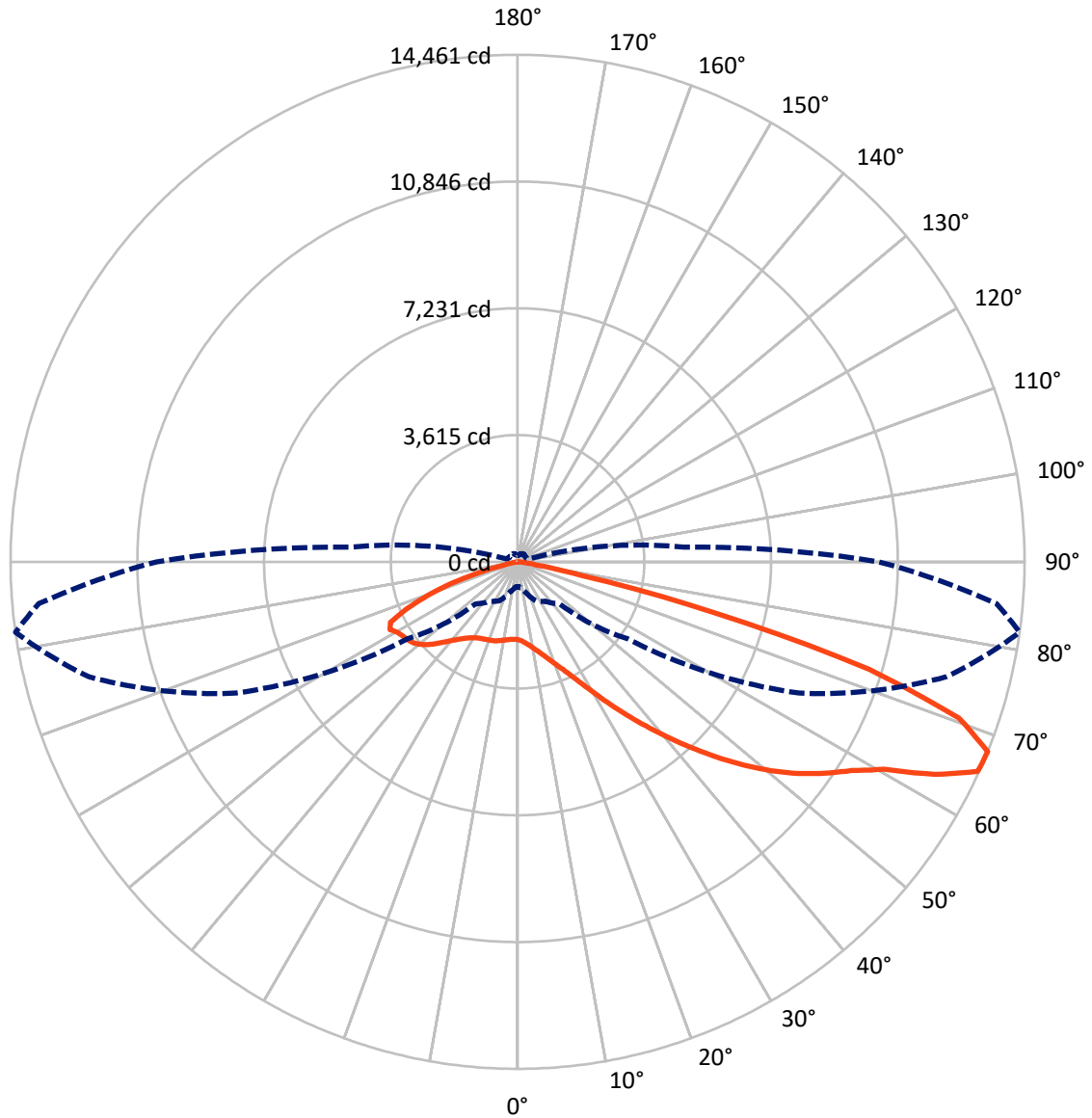
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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 | 2427.5 | 0.0 | 2427.5 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 10973.5 | 0.0 | 10973.5 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 13401.0 | 0.0 | 13401.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 197.8 | 1.5 |
| 10°-20° | 514.0 | 3.8 |
| 20°-30° | 823.2 | 6.1 |
| 30°-40° | 1455.7 | 10.9 |
| 40°-50° | 2550.6 | 19.0 |
| 50°-60° | 3401.8 | 25.4 |
| 60°-70° | 3166.9 | 23.6 |
| 70°-80° | 1215.4 | 9.1 |
| 80°-90° | 75.5 | 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° | 13401.0 | 100.0 |
| 0°-180° | 13401.0 | 100.0 |

Coefficient of Utilization

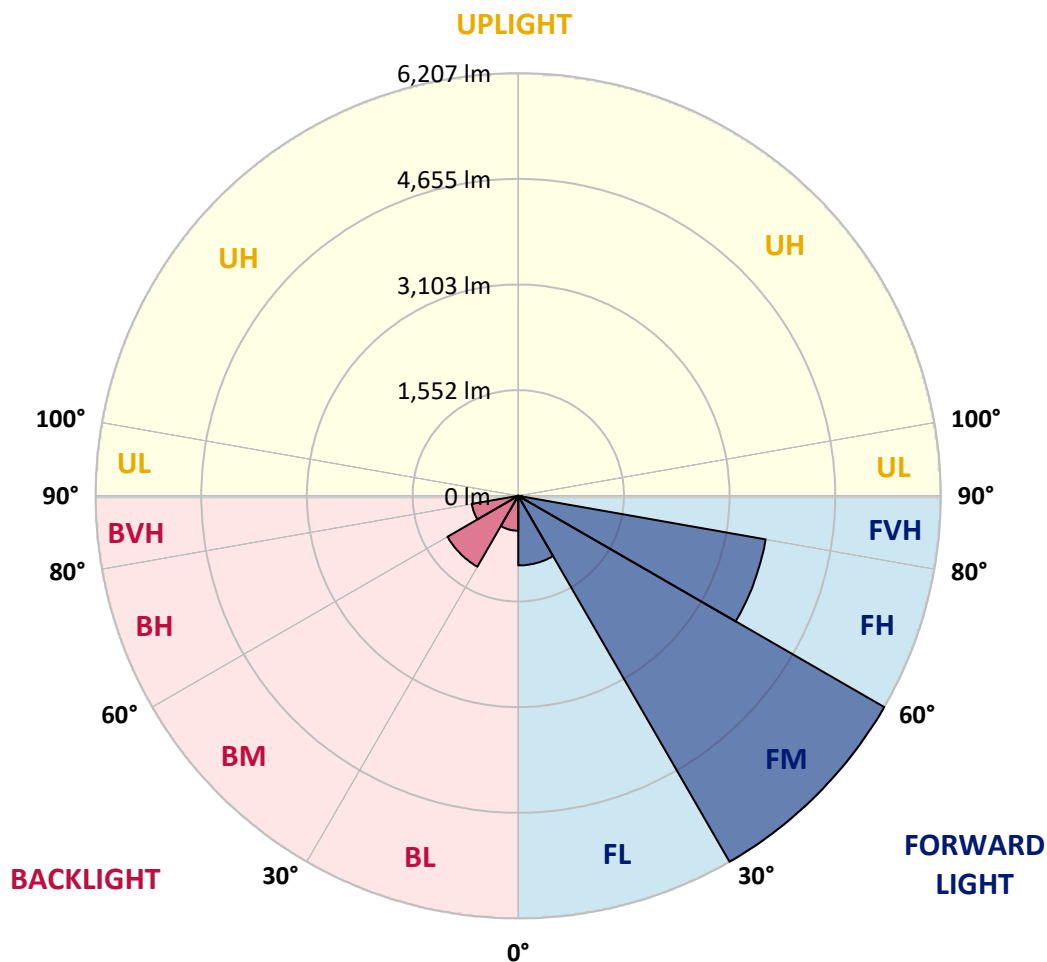


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1022.3 | 7.6 | | | |
| FM (30°-60°) | 6206.8 | 46.3 | | | |
| FH (60°-80°) | 3689.5 | 27.5 | | | G2/5000 |
| FVH (80°-90°) | 54.9 | 0.4 | | | G1/100 |
| BL (0°-30°) | 512.7 | 3.8 | B2/1000 | | |
| BM (30°-60°) | 1201.3 | 9.0 | B2/2500 | | |
| BH (60°-80°) | 692.8 | 5.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 20.6 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 |
| 2.5° | 2346.5 | 2360.0 | 2352.3 | 2348.4 | 2341.7 | 2332.0 | 2324.3 | 2300.2 | 2275.1 | 2258.7 |
| 5° | 2393.8 | 2407.3 | 2406.3 | 2410.2 | 2415.0 | 2417.9 | 2416.0 | 2388.9 | 2353.2 | 2325.3 |
| 7.5° | 2353.2 | 2368.7 | 2381.2 | 2400.5 | 2434.3 | 2470.0 | 2487.4 | 2481.6 | 2444.9 | 2406.3 |
| 10° | 2238.4 | 2254.8 | 2284.7 | 2330.1 | 2401.5 | 2478.7 | 2543.3 | 2573.2 | 2550.1 | 2507.6 |
| 12.5° | 2028.1 | 2044.5 | 2103.3 | 2201.8 | 2321.4 | 2455.5 | 2579.0 | 2659.1 | 2664.9 | 2622.4 |
| 15° | 1791.7 | 1808.1 | 1870.8 | 1994.3 | 2176.7 | 2391.8 | 2598.3 | 2749.8 | 2800.9 | 2764.3 |
| 17.5° | 1645.0 | 1659.5 | 1706.8 | 1806.2 | 1996.2 | 2264.5 | 2591.6 | 2846.3 | 2963.0 | 2934.1 |
| 20° | 1600.7 | 1613.2 | 1635.4 | 1704.9 | 1863.1 | 2132.3 | 2547.2 | 2937.0 | 3137.7 | 3121.3 |
| 22.5° | 1647.9 | 1659.5 | 1666.3 | 1697.2 | 1796.5 | 2045.5 | 2491.2 | 3029.6 | 3340.3 | 3342.2 |
| 25° | 1757.0 | 1768.5 | 1760.8 | 1780.1 | 1823.5 | 2018.4 | 2470.0 | 3138.6 | 3595.0 | 3616.2 |
| 27.5° | 1936.4 | 1937.4 | 1919.1 | 1918.1 | 1924.9 | 2059.0 | 2492.2 | 3255.4 | 3916.3 | 3955.8 |
| 30° | 2296.3 | 2281.8 | 2211.4 | 2135.2 | 2100.5 | 2180.5 | 2553.9 | 3393.3 | 4295.5 | 4365.9 |
| 32.5° | 2851.1 | 2829.9 | 2700.6 | 2518.2 | 2334.9 | 2376.4 | 2664.9 | 3550.6 | 4708.4 | 4835.8 |
| 35° | 3453.2 | 3447.4 | 3312.3 | 3041.2 | 2720.8 | 2655.2 | 2845.3 | 3757.1 | 5159.0 | 5361.6 |
| 37.5° | 4012.8 | 4009.9 | 3932.7 | 3613.3 | 3223.5 | 3044.1 | 3134.8 | 4027.2 | 5641.4 | 5934.7 |
| 40° | 4524.1 | 4532.8 | 4455.6 | 4170.0 | 3777.3 | 3542.9 | 3528.4 | 4361.1 | 6177.9 | 6559.0 |
| 42.5° | 4966.0 | 4975.7 | 4897.5 | 4686.2 | 4324.4 | 4094.8 | 4011.8 | 4770.2 | 6701.8 | 7229.5 |
| 45° | 5266.1 | 5325.9 | 5314.3 | 5145.5 | 4885.9 | 4647.6 | 4592.6 | 5283.5 | 7299.0 | 7940.6 |
| 47.5° | 5351.0 | 5406.0 | 5492.8 | 5516.0 | 5357.7 | 5123.3 | 5188.9 | 5901.9 | 7903.0 | 8652.7 |
| 50° | 5141.6 | 5192.8 | 5373.2 | 5613.4 | 5723.4 | 5651.1 | 5768.8 | 6564.8 | 8521.4 | 9362.8 |
| 52.5° | 4728.7 | 4780.8 | 5008.5 | 5388.6 | 5837.3 | 6065.0 | 6350.6 | 7218.0 | 9120.6 | 10035.3 |
| 55° | 4131.4 | 4186.4 | 4478.8 | 4909.1 | 5620.2 | 6235.7 | 6835.9 | 7870.2 | 9669.6 | 10640.2 |
| 57.5° | 3319.0 | 3359.6 | 3663.5 | 4265.5 | 5074.1 | 6065.9 | 7193.8 | 8582.2 | 10186.8 | 11234.6 |
| 60° | 2163.2 | 2198.9 | 2552.0 | 3223.5 | 4169.1 | 5498.6 | 7265.2 | 9376.3 | 10873.7 | 12007.4 |
| 62.5° | 1438.6 | 1462.7 | 1672.1 | 2165.1 | 2936.0 | 4409.3 | 6847.5 | 10010.2 | 11881.0 | 13352.4 |
| 65° | 987.0 | 1011.2 | 1220.5 | 1564.0 | 1896.9 | 2916.7 | 5646.2 | 9926.3 | 12793.8 | 14420.5 |
| 67.5° | 704.3 | 724.6 | 902.1 | 1226.3 | 1373.0 | 1694.3 | 3827.5 | 8853.4 | 12662.5 | 14461.0 |
| 70° | 504.6 | 516.2 | 662.8 | 955.2 | 1091.2 | 1017.9 | 2128.4 | 6771.2 | 11087.0 | 13353.4 |
| 72.5° | 353.1 | 357.0 | 460.2 | 727.5 | 879.0 | 742.9 | 1013.1 | 4514.5 | 8385.4 | 10481.0 |
| 75° | 239.3 | 244.1 | 309.7 | 533.6 | 705.3 | 567.3 | 536.4 | 2420.8 | 4922.6 | 5801.6 |
| 77.5° | 146.7 | 148.6 | 199.7 | 364.7 | 527.8 | 432.2 | 345.4 | 1025.6 | 1904.6 | 1869.9 |
| 80° | 83.0 | 83.0 | 127.4 | 226.7 | 359.9 | 278.8 | 242.2 | 436.1 | 603.0 | 529.7 |
| 82.5° | 46.3 | 47.3 | 92.6 | 140.9 | 238.3 | 165.0 | 133.1 | 201.7 | 260.5 | 230.6 |
| 85° | 19.3 | 21.2 | 56.9 | 66.6 | 113.9 | 82.0 | 54.0 | 84.9 | 96.5 | 85.9 |
| 87.5° | 1.9 | 2.9 | 17.4 | 12.5 | 13.5 | 16.4 | 7.7 | 16.4 | 13.5 | 13.5 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2220.1 | 0° | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 | 2220.1 |
| 2252.9 | 2.5° | 2234.6 | 2220.1 | 2183.4 | 2141.0 | 2085.0 | 2058.0 | 2021.3 | 1996.2 | 1975.0 | 1977.0 |
| 2308.9 | 5° | 2278.0 | 2241.3 | 2159.3 | 2057.0 | 1929.7 | 1839.0 | 1742.5 | 1675.9 | 1621.9 | 1610.3 |
| 2386.0 | 7.5° | 2337.8 | 2279.9 | 2136.2 | 1951.9 | 1736.7 | 1573.7 | 1428.0 | 1334.4 | 1267.8 | 1246.6 |
| 2479.6 | 10° | 2415.0 | 2331.0 | 2106.2 | 1819.7 | 1510.0 | 1302.5 | 1146.2 | 1072.9 | 1027.6 | 1012.1 |
| 2589.6 | 12.5° | 2504.7 | 2389.9 | 2066.7 | 1658.6 | 1276.5 | 1076.8 | 977.4 | 940.7 | 926.2 | 921.4 |
| 2724.7 | 15° | 2617.6 | 2463.2 | 2006.9 | 1467.5 | 1078.7 | 938.8 | 896.3 | 891.5 | 893.4 | 891.5 |
| 2886.8 | 17.5° | 2751.7 | 2543.3 | 1909.4 | 1270.7 | 945.5 | 868.4 | 852.9 | 856.8 | 861.6 | 860.6 |
| 3068.2 | 20° | 2898.4 | 2622.4 | 1785.0 | 1096.1 | 854.8 | 818.2 | 809.5 | 813.4 | 817.2 | 815.3 |
| 3277.6 | 22.5° | 3065.3 | 2707.3 | 1647.0 | 960.0 | 794.1 | 771.9 | 762.2 | 763.2 | 763.2 | 759.3 |
| 3542.9 | 25° | 3265.0 | 2800.9 | 1502.3 | 863.5 | 747.7 | 730.4 | 718.8 | 714.9 | 709.2 | 697.6 |
| 3865.1 | 27.5° | 3503.3 | 2900.3 | 1363.3 | 796.0 | 711.1 | 694.7 | 681.2 | 671.5 | 657.1 | 637.8 |
| 4252.0 | 30° | 3771.6 | 3020.9 | 1245.6 | 753.5 | 682.1 | 665.7 | 650.3 | 635.8 | 614.6 | 590.5 |
| 4696.8 | 32.5° | 4087.1 | 3150.2 | 1159.7 | 725.6 | 656.1 | 638.7 | 620.4 | 603.0 | 579.9 | 555.7 |
| 5196.6 | 35° | 4463.3 | 3306.5 | 1109.6 | 706.3 | 635.8 | 612.7 | 592.4 | 573.1 | 555.7 | 534.5 |
| 5739.8 | 37.5° | 4871.5 | 3472.5 | 1094.1 | 696.6 | 622.3 | 586.6 | 563.5 | 550.0 | 548.0 | 535.5 |
| 6327.4 | 40° | 5318.2 | 3669.3 | 1105.7 | 690.8 | 607.8 | 561.5 | 536.4 | 533.6 | 538.4 | 516.2 |
| 6955.5 | 42.5° | 5791.0 | 3902.8 | 1125.0 | 684.1 | 587.6 | 536.4 | 512.3 | 512.3 | 508.5 | 477.6 |
| 7619.3 | 45° | 6302.3 | 4172.0 | 1144.3 | 667.7 | 563.5 | 511.4 | 493.0 | 486.3 | 469.9 | 440.0 |
| 8287.0 | 47.5° | 6817.5 | 4446.0 | 1158.8 | 637.8 | 534.5 | 490.1 | 473.7 | 458.3 | 434.2 | 407.2 |
| 8942.1 | 50° | 7306.7 | 4692.0 | 1143.3 | 593.4 | 501.7 | 469.9 | 452.5 | 431.3 | 405.2 | 386.9 |
| 9562.5 | 52.5° | 7743.8 | 4905.2 | 1077.7 | 541.3 | 467.0 | 448.6 | 433.2 | 411.0 | 389.8 | 370.5 |
| 10122.1 | 55° | 8123.9 | 5077.9 | 961.9 | 492.1 | 436.1 | 430.3 | 414.9 | 386.9 | 358.0 | 341.6 |
| 10676.9 | 57.5° | 8488.6 | 5209.2 | 817.2 | 451.5 | 408.1 | 410.1 | 386.9 | 361.8 | 334.8 | 317.4 |
| 11424.6 | 60° | 8974.0 | 5384.8 | 670.6 | 413.9 | 378.2 | 384.0 | 358.9 | 340.6 | 306.8 | 284.6 |
| 12706.9 | 62.5° | 9749.7 | 5657.8 | 532.6 | 367.6 | 343.5 | 345.4 | 334.8 | 312.6 | 272.1 | 246.0 |
| 13657.3 | 65° | 10365.3 | 5557.5 | 419.7 | 317.4 | 303.9 | 306.8 | 306.8 | 282.7 | 239.3 | 209.4 |
| 13708.4 | 67.5° | 10295.8 | 4758.6 | 334.8 | 268.2 | 266.3 | 268.2 | 275.0 | 254.7 | 212.3 | 188.1 |
| 12664.5 | 70° | 9484.4 | 3785.1 | 268.2 | 222.9 | 231.6 | 226.7 | 246.0 | 232.5 | 191.0 | 166.9 |
| 9818.2 | 72.5° | 7739.0 | 2726.6 | 204.5 | 184.3 | 177.5 | 185.2 | 221.9 | 209.4 | 159.2 | 132.2 |
| 5200.5 | 75° | 4522.2 | 1455.0 | 152.4 | 145.7 | 128.3 | 154.4 | 196.8 | 178.5 | 121.6 | 97.4 |
| 1593.9 | 77.5° | 1472.3 | 507.5 | 111.9 | 107.1 | 95.5 | 124.5 | 167.9 | 150.5 | 99.4 | 77.2 |
| 467.0 | 80° | 394.6 | 153.4 | 76.2 | 70.4 | 61.7 | 92.6 | 133.1 | 119.6 | 71.4 | 50.2 |
| 200.7 | 82.5° | 158.2 | 64.6 | 44.4 | 39.6 | 33.8 | 63.7 | 105.2 | 96.5 | 53.1 | 31.8 |
| 62.7 | 85° | 51.1 | 21.2 | 16.4 | 12.5 | 15.4 | 39.6 | 62.7 | 65.6 | 37.6 | 16.4 |
| 9.6 | 87.5° | 6.8 | 2.9 | 2.9 | 3.9 | 2.9 | 6.8 | 19.3 | 18.3 | 10.6 | 1.9 |
| 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° |
|--------|
| 2220.1 |
| 1957.7 |
| 1584.3 |
| 1225.3 |
| 1000.5 |
| 918.5 |
| 890.5 |
| 858.7 |
| 814.3 |
| 757.4 |
| 695.6 |
| 635.8 |
| 588.6 |
| 556.7 |
| 532.6 |
| 534.5 |
| 517.2 |
| 477.6 |
| 439.0 |
| 406.2 |
| 384.0 |
| 368.6 |
| 339.6 |
| 315.5 |
| 281.7 |
| 244.1 |
| 206.5 |
| 184.3 |
| 164.0 |
| 129.3 |
| 94.6 |
| 74.3 |
| 49.2 |
| 31.8 |
| 12.5 |
| 0.0 |
| 0.0 |

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