

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: P852422

Luminaire Tested: **GLAN-SB3D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852422
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-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 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: 18077 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

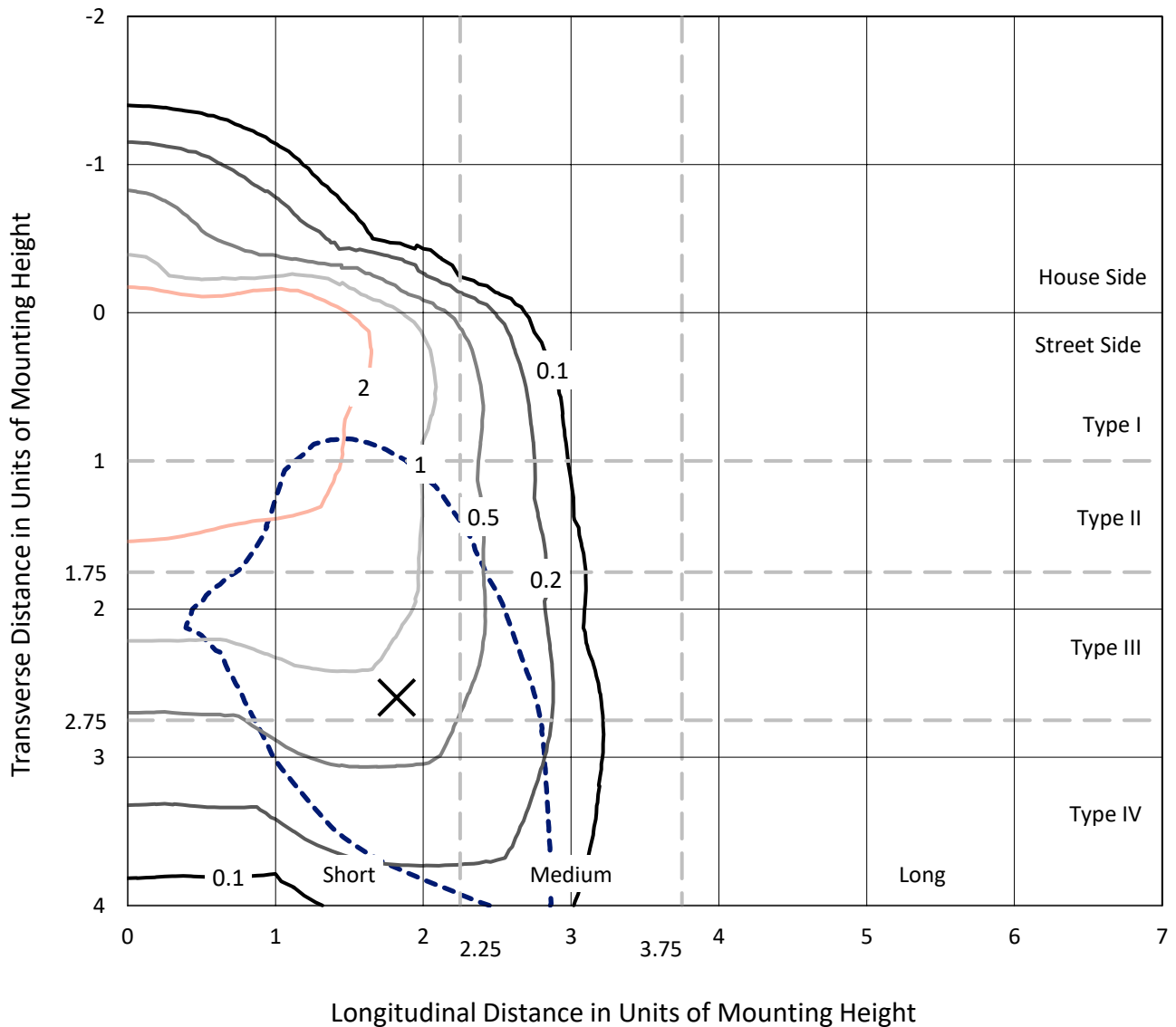
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

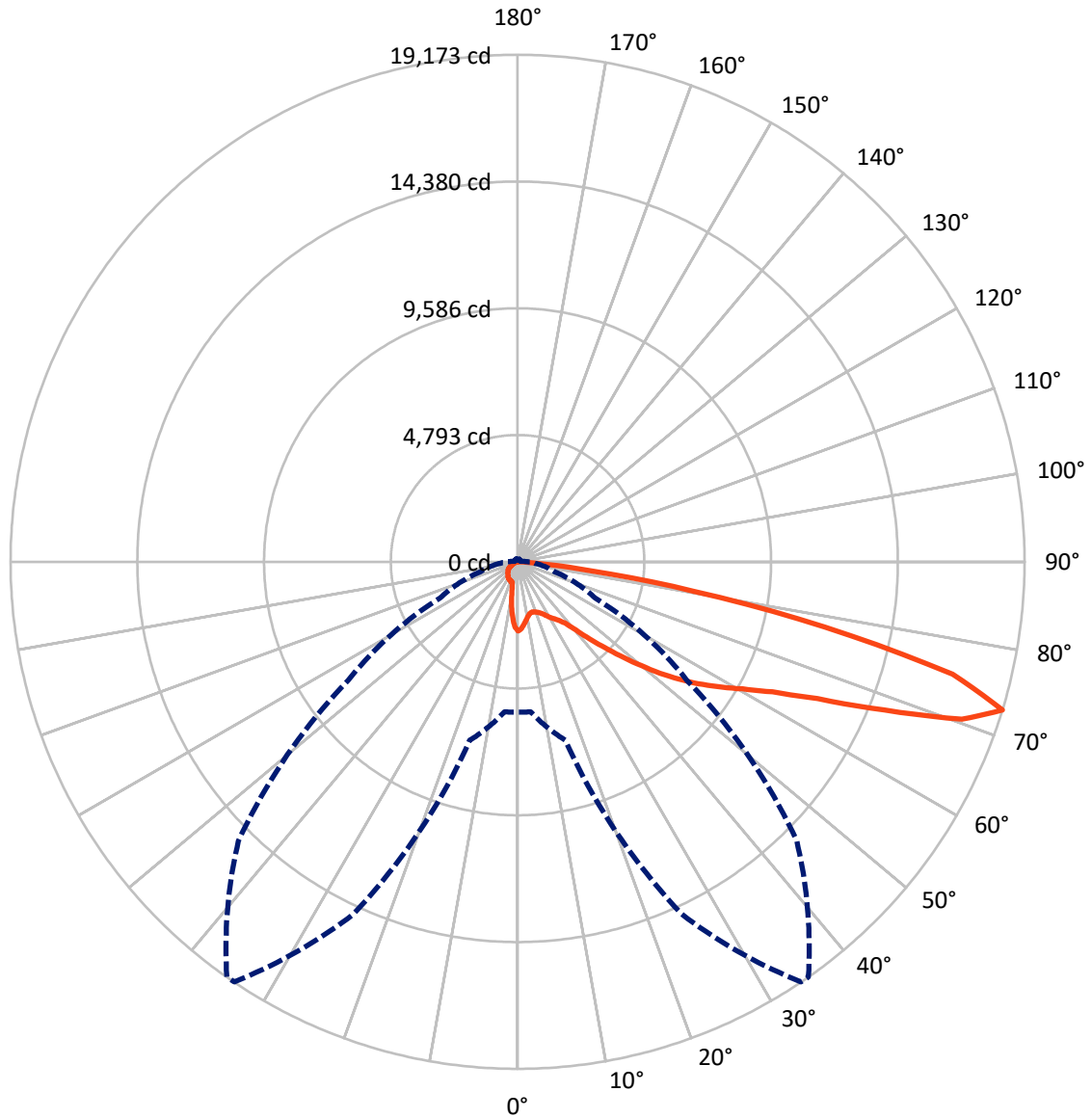
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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 | 2034.5 | 0.0 | 2034.5 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 16042.5 | 0.0 | 16042.5 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 18077.0 | 0.0 | 18077.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 215.3 | 1.2 |
| 10°-20° | 503.7 | 2.8 |
| 20°-30° | 818.2 | 4.5 |
| 30°-40° | 1365.1 | 7.6 |
| 40°-50° | 2582.8 | 14.3 |
| 50°-60° | 4104.1 | 22.7 |
| 60°-70° | 5077.0 | 28.1 |
| 70°-80° | 3155.9 | 17.5 |
| 80°-90° | 255.0 | 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° | 18077.0 | 100.0 |
| 0°-180° | 18077.0 | 100.0 |

Coefficient of Utilization

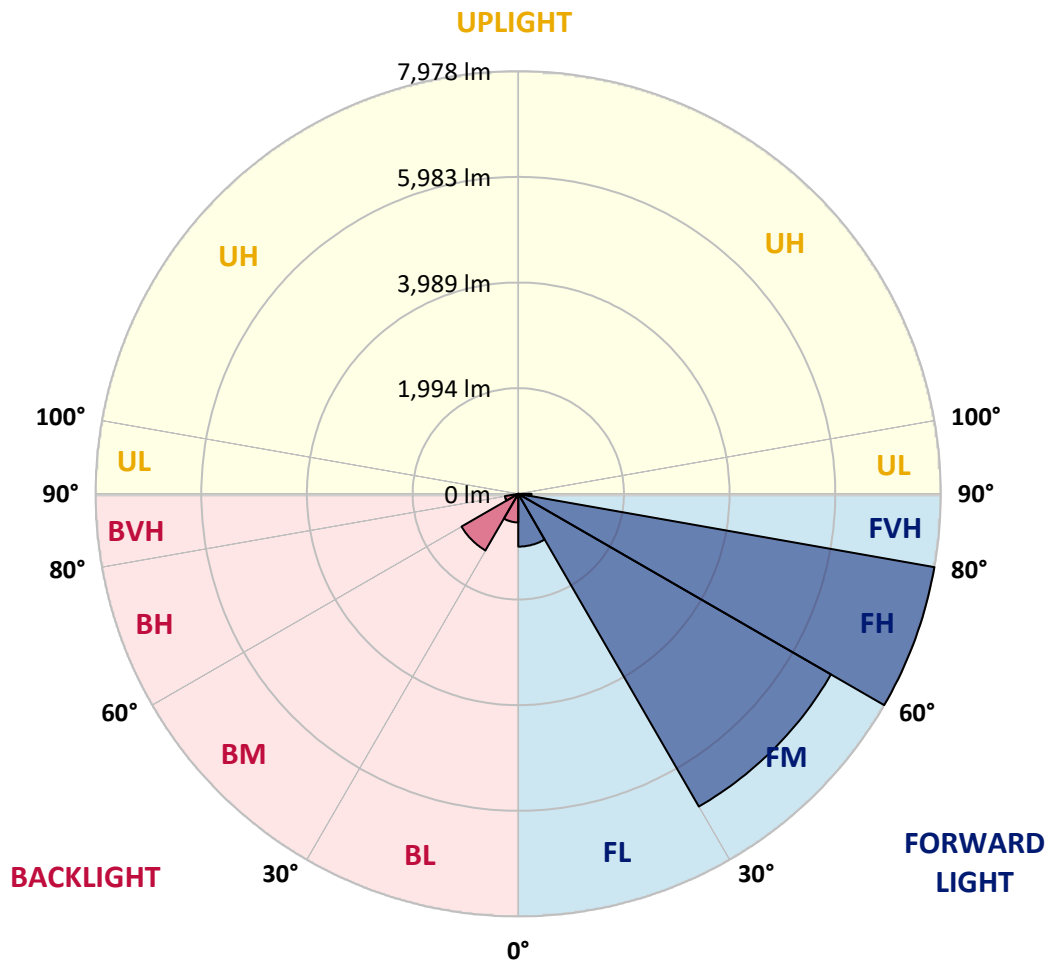


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 996.5 | 5.5 | | | |
| FM (30°-60°) | 6816.8 | 37.7 | | | |
| FH (60°-80°) | 7977.6 | 44.1 | | | G4/12000 |
| FVH (80°-90°) | 251.6 | 1.4 | | | G3/500 |
| BL (0°-30°) | 540.6 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 1235.1 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 255.3 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.5 | 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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 |
| 2.5° | 2503.4 | 2524.6 | 2528.6 | 2535.2 | 2535.2 | 2543.1 | 2556.4 | 2574.9 | 2605.4 | 2621.3 |
| 5° | 2307.4 | 2323.3 | 2343.1 | 2359.0 | 2389.5 | 2393.5 | 2445.1 | 2495.5 | 2565.7 | 2618.6 |
| 7.5° | 2110.0 | 2128.6 | 2155.0 | 2193.5 | 2233.2 | 2245.1 | 2323.3 | 2408.0 | 2519.3 | 2618.6 |
| 10° | 1970.9 | 1972.3 | 1996.1 | 2034.5 | 2098.1 | 2112.7 | 2208.0 | 2328.6 | 2467.6 | 2602.7 |
| 12.5° | 1892.8 | 1902.1 | 1912.7 | 1941.8 | 2002.7 | 2012.0 | 2114.0 | 2255.7 | 2416.0 | 2593.5 |
| 15° | 1892.8 | 1899.4 | 1906.0 | 1920.6 | 1969.6 | 1977.6 | 2067.6 | 2209.4 | 2389.5 | 2597.4 |
| 17.5° | 1912.7 | 1923.2 | 1918.0 | 1935.2 | 1986.8 | 1992.1 | 2071.6 | 2196.1 | 2388.2 | 2622.6 |
| 20° | 1960.3 | 1968.3 | 1957.7 | 1968.3 | 2019.9 | 2030.5 | 2112.7 | 2221.3 | 2410.7 | 2666.3 |
| 22.5° | 2035.8 | 2039.8 | 2014.6 | 2022.6 | 2075.6 | 2088.8 | 2184.2 | 2292.8 | 2465.0 | 2736.5 |
| 25° | 2131.2 | 2139.2 | 2100.7 | 2110.0 | 2160.3 | 2176.2 | 2286.2 | 2400.1 | 2551.1 | 2833.2 |
| 27.5° | 2241.1 | 2245.1 | 2212.0 | 2210.7 | 2275.6 | 2298.1 | 2409.4 | 2532.5 | 2666.3 | 2955.1 |
| 30° | 2367.0 | 2378.9 | 2347.1 | 2341.8 | 2423.9 | 2442.5 | 2552.4 | 2695.5 | 2835.9 | 3137.9 |
| 32.5° | 2466.3 | 2475.6 | 2457.0 | 2470.3 | 2553.7 | 2568.3 | 2725.9 | 2925.9 | 3102.1 | 3397.5 |
| 35° | 2609.4 | 2614.7 | 2572.3 | 2596.1 | 2691.5 | 2728.6 | 2963.0 | 3249.1 | 3437.2 | 3723.3 |
| 37.5° | 3127.3 | 3127.3 | 2947.1 | 2829.2 | 2920.6 | 2953.8 | 3287.5 | 3655.8 | 3850.5 | 4160.4 |
| 40° | 3843.8 | 3831.9 | 3568.3 | 3327.3 | 3315.4 | 3380.3 | 3749.8 | 4168.4 | 4384.3 | 4684.9 |
| 42.5° | 4608.1 | 4589.6 | 4230.6 | 3992.2 | 3952.5 | 3975.0 | 4283.6 | 4800.2 | 5020.1 | 5324.7 |
| 45° | 5286.3 | 5281.0 | 4952.5 | 4632.0 | 4560.4 | 4632.0 | 4949.8 | 5539.3 | 5696.9 | 6017.4 |
| 47.5° | 5854.5 | 5854.5 | 5614.8 | 5405.5 | 5368.4 | 5410.8 | 5851.9 | 6359.2 | 6344.6 | 6755.2 |
| 50° | 6508.8 | 6503.5 | 6275.7 | 6185.7 | 6224.1 | 6283.7 | 6890.3 | 7222.8 | 7014.8 | 7479.7 |
| 52.5° | 6967.1 | 6998.9 | 6920.8 | 6906.2 | 7102.2 | 7205.6 | 7944.7 | 8067.8 | 7614.8 | 8167.2 |
| 55° | 7330.1 | 7367.2 | 7457.2 | 7559.2 | 7936.7 | 8071.8 | 8965.9 | 8869.2 | 8116.9 | 8763.2 |
| 57.5° | 7844.0 | 7791.0 | 7930.1 | 8131.4 | 8742.0 | 8905.0 | 9955.3 | 9625.5 | 8520.8 | 9246.7 |
| 60° | 8467.9 | 8475.8 | 8499.6 | 8754.0 | 9546.0 | 9755.3 | 10930.2 | 10340.8 | 8780.5 | 9543.4 |
| 62.5° | 9217.6 | 9229.5 | 9278.5 | 9669.2 | 10625.6 | 10822.9 | 11968.6 | 10926.2 | 8899.7 | 9459.9 |
| 65° | 9165.9 | 9216.2 | 9763.3 | 11099.7 | 12266.7 | 12461.4 | 13180.6 | 11336.8 | 8719.5 | 8697.0 |
| 67.5° | 8350.0 | 8432.1 | 9347.4 | 12808.4 | 14740.9 | 14958.2 | 14645.6 | 11417.6 | 7942.0 | 6763.2 |
| 70° | 7279.7 | 7308.9 | 8409.6 | 14344.9 | 17605.9 | 17825.8 | 15956.9 | 10528.9 | 6026.7 | 3772.3 |
| 72.5° | 5685.0 | 5691.6 | 6983.0 | 14701.2 | 19161.0 | 19172.9 | 14927.7 | 7816.2 | 3241.2 | 1449.1 |
| 75° | 4061.1 | 4021.3 | 4677.0 | 11922.3 | 16857.6 | 16992.7 | 11191.1 | 3666.4 | 1238.5 | 684.8 |
| 77.5° | 2177.6 | 2221.3 | 2646.5 | 7070.5 | 11645.5 | 11875.9 | 6106.2 | 1057.0 | 630.5 | 466.2 |
| 80° | 672.9 | 710.0 | 1084.8 | 3237.2 | 6596.3 | 6735.3 | 2263.7 | 470.2 | 439.8 | 332.5 |
| 82.5° | 211.9 | 219.9 | 506.0 | 1360.3 | 2737.8 | 2801.4 | 655.7 | 266.2 | 300.7 | 219.9 |
| 85° | 60.9 | 62.3 | 225.2 | 507.3 | 676.8 | 690.1 | 184.1 | 103.3 | 172.2 | 136.4 |
| 87.5° | 6.6 | 21.2 | 84.8 | 84.8 | 59.6 | 58.3 | 19.9 | 22.5 | 49.0 | 17.2 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2620.0 | 0° | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 | 2620.0 |
| 2631.9 | 2.5° | 2625.3 | 2626.6 | 2609.4 | 2580.2 | 2548.4 | 2521.9 | 2488.8 | 2462.3 | 2443.8 | 2438.5 |
| 2655.7 | 5° | 2643.8 | 2634.5 | 2585.5 | 2496.8 | 2390.8 | 2299.4 | 2197.4 | 2116.6 | 2063.7 | 2041.1 |
| 2680.9 | 7.5° | 2671.6 | 2645.1 | 2537.8 | 2363.0 | 2160.3 | 1980.2 | 1797.4 | 1655.7 | 1565.6 | 1520.6 |
| 2704.7 | 10° | 2695.5 | 2642.5 | 2458.4 | 2169.6 | 1859.7 | 1586.8 | 1340.4 | 1169.6 | 1074.2 | 1029.2 |
| 2732.6 | 12.5° | 2718.0 | 2641.2 | 2355.1 | 1940.5 | 1520.6 | 1186.8 | 957.7 | 872.9 | 846.4 | 837.1 |
| 2777.6 | 15° | 2760.4 | 2645.1 | 2225.2 | 1678.2 | 1182.8 | 896.7 | 813.3 | 812.0 | 817.2 | 814.6 |
| 2846.5 | 17.5° | 2818.6 | 2649.1 | 2078.2 | 1400.1 | 912.6 | 790.8 | 786.8 | 798.7 | 806.7 | 802.7 |
| 2932.6 | 20° | 2894.1 | 2665.0 | 1921.9 | 1124.5 | 784.1 | 764.3 | 773.5 | 784.1 | 790.8 | 784.1 |
| 3047.8 | 22.5° | 3000.1 | 2692.8 | 1751.1 | 903.3 | 743.1 | 748.4 | 756.3 | 768.2 | 774.9 | 765.6 |
| 3194.8 | 25° | 3129.9 | 2736.5 | 1582.8 | 785.5 | 723.2 | 729.8 | 741.7 | 755.0 | 762.9 | 753.7 |
| 3380.3 | 27.5° | 3298.1 | 2806.7 | 1427.9 | 759.0 | 703.3 | 707.3 | 724.5 | 744.4 | 755.0 | 743.1 |
| 3643.8 | 30° | 3541.9 | 2922.0 | 1294.1 | 770.9 | 691.4 | 682.1 | 706.0 | 733.8 | 745.7 | 735.1 |
| 4002.8 | 32.5° | 3865.0 | 3084.9 | 1212.0 | 789.4 | 686.1 | 653.0 | 675.5 | 711.3 | 731.2 | 724.5 |
| 4471.7 | 35° | 4288.9 | 3332.6 | 1180.2 | 810.6 | 682.1 | 622.5 | 638.4 | 676.8 | 711.3 | 717.9 |
| 5062.4 | 37.5° | 4802.8 | 3677.0 | 1189.4 | 819.9 | 670.2 | 597.4 | 605.3 | 638.4 | 683.5 | 704.7 |
| 5727.4 | 40° | 5387.0 | 4078.3 | 1242.4 | 810.6 | 657.0 | 576.2 | 577.5 | 602.7 | 642.4 | 674.2 |
| 6442.6 | 42.5° | 5989.6 | 4547.2 | 1340.4 | 776.2 | 645.1 | 557.6 | 553.7 | 570.9 | 597.4 | 619.9 |
| 7156.6 | 45° | 6563.2 | 5029.3 | 1437.1 | 728.5 | 630.5 | 539.1 | 529.8 | 536.4 | 541.7 | 551.0 |
| 7851.9 | 47.5° | 7063.8 | 5368.4 | 1409.3 | 684.8 | 610.6 | 517.9 | 502.0 | 499.4 | 483.5 | 482.1 |
| 8473.2 | 50° | 7409.5 | 5442.6 | 1251.7 | 641.1 | 581.5 | 494.1 | 468.9 | 453.0 | 425.2 | 411.9 |
| 8938.1 | 52.5° | 7519.5 | 5149.9 | 1022.6 | 597.4 | 533.8 | 462.3 | 426.5 | 401.3 | 366.9 | 355.0 |
| 9205.6 | 55° | 7373.8 | 4576.3 | 817.2 | 544.4 | 467.6 | 419.9 | 380.1 | 347.0 | 319.2 | 304.6 |
| 9234.8 | 57.5° | 7017.5 | 3846.5 | 646.4 | 482.1 | 397.4 | 372.2 | 332.5 | 299.3 | 275.5 | 260.9 |
| 8911.6 | 60° | 6426.7 | 3054.4 | 511.3 | 408.0 | 339.1 | 320.5 | 279.5 | 258.3 | 237.1 | 219.9 |
| 8077.1 | 62.5° | 5530.0 | 2180.2 | 401.3 | 323.2 | 283.5 | 262.3 | 238.4 | 222.5 | 197.4 | 173.5 |
| 6576.4 | 65° | 4315.4 | 1333.8 | 309.9 | 237.1 | 227.8 | 217.2 | 202.7 | 188.1 | 157.6 | 133.8 |
| 4290.2 | 67.5° | 2722.0 | 631.8 | 221.2 | 178.8 | 180.1 | 174.8 | 168.2 | 156.3 | 133.8 | 112.6 |
| 1921.9 | 70° | 1198.7 | 306.0 | 145.7 | 136.4 | 133.8 | 133.8 | 139.1 | 135.1 | 113.9 | 94.0 |
| 667.6 | 72.5° | 408.0 | 164.2 | 108.6 | 103.3 | 96.7 | 95.4 | 116.6 | 112.6 | 91.4 | 72.9 |
| 332.5 | 75° | 213.3 | 109.9 | 79.5 | 74.2 | 58.3 | 70.2 | 92.7 | 87.4 | 64.9 | 47.7 |
| 219.9 | 77.5° | 139.1 | 78.1 | 54.3 | 47.7 | 33.1 | 46.4 | 68.9 | 60.9 | 38.4 | 23.8 |
| 144.4 | 80° | 87.4 | 51.7 | 31.8 | 22.5 | 15.9 | 25.2 | 37.1 | 26.5 | 14.6 | 5.3 |
| 84.8 | 82.5° | 46.4 | 26.5 | 11.9 | 7.9 | 6.6 | 7.9 | 9.3 | 6.6 | 2.6 | 0.0 |
| 43.7 | 85° | 18.5 | 9.3 | 4.0 | 2.6 | 1.3 | 0.0 | 2.6 | 1.3 | 0.0 | 0.0 |
| 7.9 | 87.5° | 6.6 | 1.3 | 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/> |
| 2620.0 |
| 2447.8 |
| 2049.1 |
| 1527.2 |
| 1030.5 |
| 834.5 |
| 813.3 |
| 801.4 |
| 782.8 |
| 764.3 |
| 752.3 |
| 743.1 |
| 733.8 |
| 724.5 |
| 717.9 |
| 710.0 |
| 684.8 |
| 629.2 |
| 556.3 |
| 480.8 |
| 413.3 |
| 353.7 |
| 304.6 |
| 258.3 |
| 215.9 |
| 169.5 |
| 129.8 |
| 109.9 |
| 90.1 |
| 68.9 |
| 43.7 |
| 21.2 |
| 4.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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