

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: P849098

Luminaire Tested: **GLAN-SB6A-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21286 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

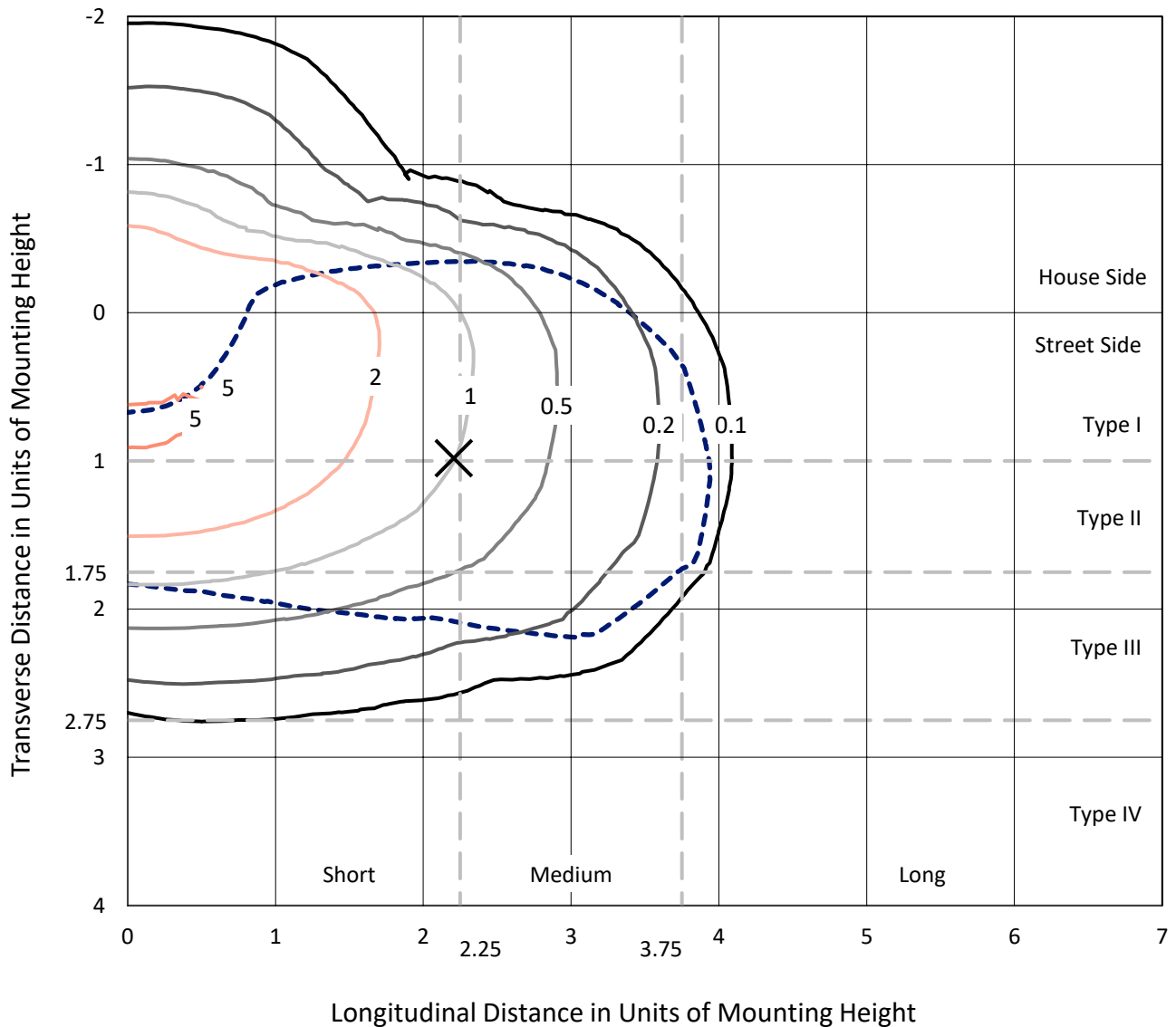
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

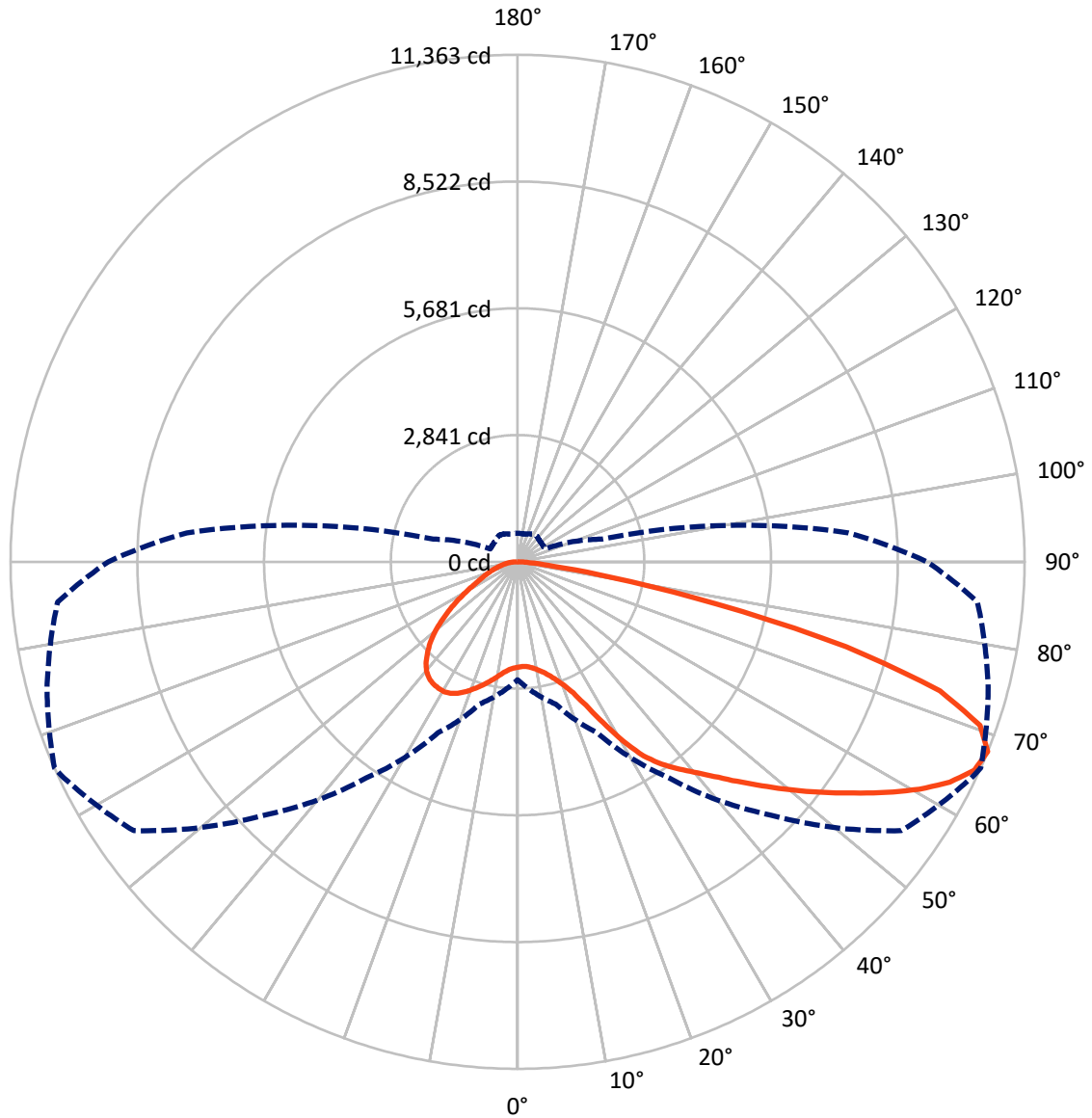
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5292.7 | 0.0 | 5292.7 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 15993.3 | 0.0 | 15993.3 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 21286.0 | 0.0 | 21286.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 234.1 | 1.1 |
| 10°-20° | 773.3 | 3.6 |
| 20°-30° | 1490.6 | 7.0 |
| 30°-40° | 2613.5 | 12.3 |
| 40°-50° | 3885.5 | 18.3 |
| 50°-60° | 4925.2 | 23.1 |
| 60°-70° | 4819.2 | 22.6 |
| 70°-80° | 2298.8 | 10.8 |
| 80°-90° | 245.7 | 1.2 |
| 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° | 21286.0 | 100.0 |
| 0°-180° | 21286.0 | 100.0 |

Coefficient of Utilization



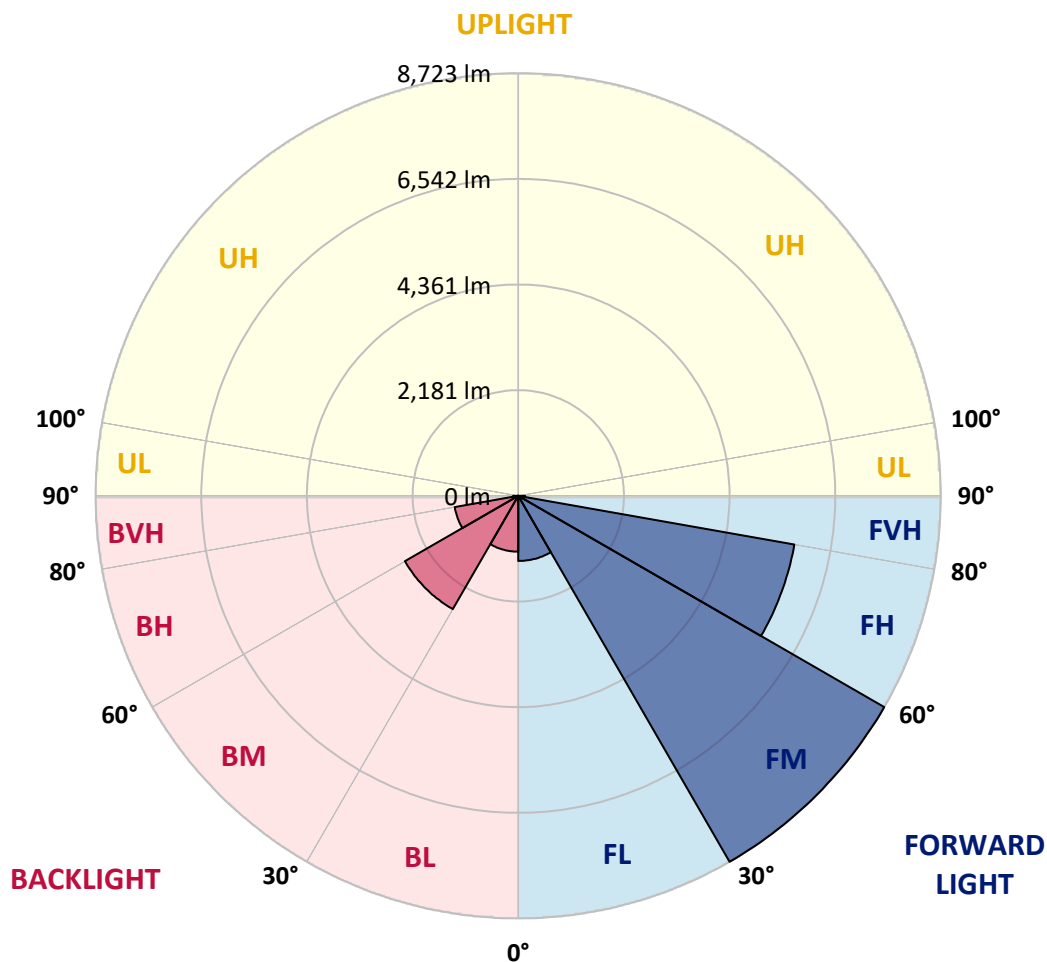
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1345.1 | 6.3 | | | |
| FM (30°-60°) | 8722.8 | 41.0 | | | |
| FH (60°-80°) | 5786.1 | 27.2 | | | G3/7500 |
| FVH (80°-90°) | 139.3 | 0.7 | | | G2/225 |
| BL (0°-30°) | 1152.9 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 2701.5 | 12.7 | B3/5000 | | |
| BH (60°-80°) | 1331.9 | 6.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 106.4 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 |
| 2.5° | 2336.3 | 2349.7 | 2346.4 | 2340.8 | 2339.6 | 2341.9 | 2345.2 | 2348.6 | 2347.5 | 2353.1 |
| 5° | 2329.6 | 2343.0 | 2341.9 | 2341.9 | 2346.4 | 2355.3 | 2360.9 | 2366.5 | 2360.9 | 2367.6 |
| 7.5° | 2334.1 | 2344.1 | 2348.6 | 2353.1 | 2364.3 | 2381.0 | 2394.5 | 2406.8 | 2400.0 | 2407.9 |
| 10° | 2391.1 | 2398.9 | 2403.4 | 2403.4 | 2411.2 | 2430.2 | 2443.7 | 2466.0 | 2460.4 | 2472.7 |
| 12.5° | 2495.1 | 2502.9 | 2502.9 | 2498.5 | 2504.1 | 2516.4 | 2520.8 | 2545.4 | 2535.4 | 2555.5 |
| 15° | 2622.6 | 2638.3 | 2626.0 | 2618.1 | 2620.4 | 2632.7 | 2631.5 | 2650.6 | 2640.5 | 2657.3 |
| 17.5° | 2763.5 | 2783.6 | 2763.5 | 2762.4 | 2757.9 | 2771.3 | 2772.5 | 2789.2 | 2771.3 | 2783.6 |
| 20° | 2930.2 | 2958.1 | 2941.3 | 2946.9 | 2936.9 | 2942.5 | 2948.0 | 2972.7 | 2944.7 | 2953.6 |
| 22.5° | 3165.0 | 3198.6 | 3180.7 | 3201.9 | 3195.2 | 3190.7 | 3189.6 | 3233.2 | 3189.6 | 3193.0 |
| 25° | 3507.2 | 3547.5 | 3516.2 | 3545.3 | 3545.3 | 3559.8 | 3576.6 | 3632.5 | 3559.8 | 3538.6 |
| 27.5° | 4012.7 | 4053.0 | 3991.5 | 4009.4 | 4003.8 | 4039.6 | 4021.7 | 4160.4 | 4082.1 | 4047.4 |
| 30° | 4621.1 | 4692.7 | 4576.4 | 4571.9 | 4566.3 | 4623.4 | 4649.1 | 4740.8 | 4661.4 | 4626.7 |
| 32.5° | 5278.8 | 5353.7 | 5215.0 | 5174.7 | 5153.5 | 5188.2 | 5166.9 | 5240.7 | 5185.9 | 5132.2 |
| 35° | 5974.4 | 6048.2 | 5916.2 | 5837.9 | 5752.9 | 5680.2 | 5604.2 | 5623.2 | 5571.8 | 5490.1 |
| 37.5° | 6632.0 | 6767.3 | 6627.5 | 6543.6 | 6387.1 | 6245.0 | 6032.5 | 5944.2 | 5896.1 | 5821.2 |
| 40° | 7301.9 | 7379.1 | 7272.8 | 7201.2 | 7031.3 | 6808.7 | 6468.7 | 6281.9 | 6217.1 | 6144.4 |
| 42.5° | 7795.1 | 7868.9 | 7811.9 | 7762.7 | 7629.6 | 7371.2 | 6931.7 | 6698.0 | 6604.0 | 6522.4 |
| 45° | 8186.5 | 8241.3 | 8205.5 | 8223.4 | 8166.4 | 7915.9 | 7411.5 | 7144.2 | 7046.9 | 6947.4 |
| 47.5° | 8344.2 | 8402.4 | 8459.4 | 8565.7 | 8663.0 | 8478.4 | 7927.1 | 7627.3 | 7524.5 | 7422.7 |
| 50° | 8326.3 | 8385.6 | 8551.1 | 8777.0 | 9079.0 | 9017.5 | 8470.6 | 8141.8 | 8046.7 | 7930.4 |
| 52.5° | 8183.2 | 8250.3 | 8462.8 | 8838.6 | 9319.5 | 9421.2 | 9024.2 | 8673.0 | 8583.6 | 8444.9 |
| 55° | 7807.4 | 7847.7 | 8166.4 | 8698.8 | 9376.5 | 9703.1 | 9566.6 | 9238.9 | 9149.5 | 8956.0 |
| 57.5° | 7110.7 | 7168.8 | 7632.9 | 8321.9 | 9233.3 | 9894.3 | 10043.0 | 9833.9 | 9747.8 | 9469.3 |
| 60° | 6201.4 | 6294.2 | 6825.5 | 7688.9 | 8868.7 | 9893.2 | 10475.9 | 10418.8 | 10347.2 | 9974.8 |
| 62.5° | 5172.5 | 5279.9 | 5791.0 | 6794.2 | 8231.3 | 9612.5 | 10746.5 | 10908.7 | 10871.8 | 10441.2 |
| 65° | 3972.5 | 4046.3 | 4555.2 | 5636.6 | 7239.3 | 9009.7 | 10777.8 | 11243.1 | 11249.8 | 10795.7 |
| 67.5° | 2645.0 | 2857.5 | 3299.2 | 4229.7 | 5910.6 | 8024.4 | 10502.7 | 11297.9 | 11362.7 | 10917.6 |
| 70° | 1290.6 | 1570.2 | 2003.0 | 2749.0 | 4229.7 | 6513.4 | 9783.6 | 10848.3 | 10992.6 | 10562.0 |
| 72.5° | 535.7 | 626.3 | 862.3 | 1356.6 | 2428.0 | 4395.2 | 8338.6 | 9629.2 | 9896.5 | 9358.6 |
| 75° | 361.2 | 391.4 | 493.2 | 695.6 | 1106.1 | 2167.4 | 6013.5 | 7180.0 | 7610.6 | 7068.2 |
| 77.5° | 278.5 | 297.5 | 359.0 | 486.5 | 657.6 | 819.8 | 3218.7 | 4327.0 | 4549.6 | 4211.8 |
| 80° | 219.2 | 233.7 | 268.4 | 354.5 | 466.4 | 438.4 | 1097.1 | 1960.5 | 2089.1 | 1752.5 |
| 82.5° | 190.1 | 195.7 | 192.4 | 240.5 | 309.8 | 256.1 | 360.1 | 723.6 | 798.5 | 579.3 |
| 85° | 137.6 | 153.2 | 159.9 | 148.7 | 164.4 | 129.7 | 147.6 | 256.1 | 281.8 | 251.6 |
| 87.5° | 55.9 | 82.8 | 101.8 | 96.2 | 60.4 | 36.9 | 45.9 | 74.9 | 86.1 | 93.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P849098
 CATALOG NUMBER: GLAN-SB6A-722-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2360.9 | 0° | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 | 2360.9 |
| 2362.0 | 2.5° | 2363.1 | 2371.0 | 2376.6 | 2383.3 | 2387.7 | 2394.5 | 2407.9 | 2415.7 | 2416.8 | 2422.4 |
| 2379.9 | 5° | 2384.4 | 2395.6 | 2407.9 | 2425.8 | 2445.9 | 2462.7 | 2488.4 | 2506.3 | 2513.0 | 2518.6 |
| 2423.5 | 7.5° | 2430.2 | 2445.9 | 2468.3 | 2499.6 | 2528.7 | 2551.0 | 2582.3 | 2603.6 | 2624.8 | 2632.7 |
| 2492.9 | 10° | 2498.5 | 2520.8 | 2553.3 | 2595.8 | 2627.1 | 2656.2 | 2688.6 | 2706.5 | 2727.7 | 2736.7 |
| 2575.6 | 12.5° | 2583.5 | 2606.9 | 2649.4 | 2708.7 | 2737.8 | 2757.9 | 2769.1 | 2764.6 | 2769.1 | 2776.9 |
| 2675.2 | 15° | 2680.8 | 2706.5 | 2754.6 | 2818.3 | 2838.4 | 2820.6 | 2795.9 | 2773.6 | 2770.2 | 2772.5 |
| 2795.9 | 17.5° | 2795.9 | 2815.0 | 2870.9 | 2924.6 | 2910.0 | 2836.2 | 2782.5 | 2746.7 | 2728.8 | 2723.3 |
| 2950.3 | 20° | 2957.0 | 2957.0 | 3002.8 | 3036.4 | 2939.1 | 2813.8 | 2730.0 | 2671.8 | 2634.9 | 2619.2 |
| 3160.5 | 22.5° | 3152.7 | 3134.8 | 3163.9 | 3140.4 | 2933.5 | 2751.2 | 2634.9 | 2534.2 | 2478.3 | 2456.0 |
| 3454.7 | 25° | 3401.0 | 3379.7 | 3371.9 | 3226.5 | 2893.2 | 2651.7 | 2462.7 | 2340.8 | 2291.6 | 2279.3 |
| 3878.5 | 27.5° | 3775.6 | 3722.0 | 3620.2 | 3273.5 | 2819.4 | 2495.1 | 2261.4 | 2148.4 | 2120.4 | 2121.6 |
| 4423.2 | 30° | 4274.4 | 4167.1 | 3917.7 | 3281.3 | 2698.6 | 2273.7 | 2055.6 | 1975.1 | 1961.6 | 1967.2 |
| 4880.6 | 32.5° | 4736.3 | 4634.6 | 4221.9 | 3245.5 | 2513.0 | 2056.7 | 1871.0 | 1817.4 | 1797.2 | 1803.9 |
| 5229.5 | 35° | 5098.7 | 5070.7 | 4503.7 | 3195.2 | 2284.8 | 1853.2 | 1705.5 | 1659.7 | 1620.5 | 1611.6 |
| 5558.3 | 37.5° | 5440.9 | 5429.7 | 4715.1 | 3124.8 | 2058.9 | 1708.9 | 1572.4 | 1512.0 | 1455.0 | 1423.7 |
| 5921.8 | 40° | 5816.7 | 5805.5 | 4853.8 | 3016.3 | 1858.7 | 1583.6 | 1452.8 | 1373.4 | 1302.9 | 1245.9 |
| 6333.4 | 42.5° | 6239.4 | 6173.5 | 4919.8 | 2860.8 | 1688.8 | 1477.4 | 1355.5 | 1248.1 | 1155.3 | 1102.7 |
| 6798.6 | 45° | 6701.3 | 6552.6 | 4918.6 | 2662.9 | 1545.6 | 1380.1 | 1251.5 | 1099.4 | 1013.3 | 964.0 |
| 7276.2 | 47.5° | 7191.2 | 6914.9 | 4858.2 | 2443.7 | 1406.9 | 1272.7 | 1090.4 | 974.1 | 917.1 | 886.9 |
| 7795.1 | 50° | 7696.7 | 7253.8 | 4755.3 | 2192.0 | 1264.9 | 1150.8 | 989.8 | 910.4 | 866.7 | 838.8 |
| 8309.6 | 52.5° | 8172.0 | 7561.4 | 4631.2 | 1906.8 | 1120.6 | 1032.3 | 945.0 | 883.5 | 837.7 | 806.4 |
| 8808.4 | 55° | 8613.8 | 7826.4 | 4455.6 | 1614.9 | 1003.2 | 952.9 | 923.8 | 872.3 | 819.8 | 782.9 |
| 9315.0 | 57.5° | 9006.3 | 7998.6 | 4152.5 | 1340.9 | 919.3 | 898.1 | 901.4 | 853.3 | 792.9 | 761.6 |
| 9813.8 | 60° | 9332.9 | 8125.0 | 3704.1 | 1087.1 | 851.1 | 844.4 | 866.7 | 817.5 | 747.1 | 711.3 |
| 10235.4 | 62.5° | 9528.6 | 8122.8 | 3153.8 | 890.2 | 792.9 | 795.2 | 820.9 | 772.8 | 701.2 | 667.7 |
| 10455.7 | 65° | 9511.8 | 7923.7 | 2549.9 | 761.6 | 737.0 | 739.2 | 772.8 | 723.6 | 663.2 | 643.1 |
| 10345.0 | 67.5° | 9175.2 | 7438.3 | 1956.0 | 677.7 | 675.5 | 685.6 | 724.7 | 690.0 | 639.7 | 637.5 |
| 9685.2 | 70° | 8263.7 | 6430.7 | 1409.2 | 610.6 | 611.8 | 626.3 | 677.7 | 668.8 | 627.4 | 631.9 |
| 8142.9 | 72.5° | 6626.4 | 4903.0 | 946.1 | 540.2 | 541.3 | 564.8 | 633.0 | 652.0 | 615.1 | 674.4 |
| 5777.5 | 75° | 4413.1 | 3057.6 | 608.4 | 465.2 | 466.4 | 496.6 | 593.9 | 619.6 | 581.6 | 672.1 |
| 3006.2 | 77.5° | 2120.4 | 1374.5 | 440.6 | 391.4 | 391.4 | 419.4 | 513.3 | 554.7 | 495.4 | 522.3 |
| 966.3 | 80° | 732.5 | 516.7 | 346.7 | 315.4 | 308.7 | 327.7 | 432.8 | 480.9 | 427.2 | 393.7 |
| 315.4 | 82.5° | 288.5 | 268.4 | 278.5 | 244.9 | 222.6 | 234.9 | 336.6 | 397.0 | 314.3 | 284.1 |
| 177.8 | 85° | 165.5 | 174.5 | 196.8 | 162.2 | 128.6 | 144.3 | 247.2 | 285.2 | 237.1 | 209.1 |
| 58.2 | 87.5° | 44.7 | 61.5 | 90.6 | 83.9 | 58.2 | 61.5 | 117.4 | 157.7 | 136.4 | 105.1 |
| 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° |
|--------|
| 2360.9 |
| 2421.3 |
| 2517.5 |
| 2633.8 |
| 2741.1 |
| 2779.2 |
| 2780.3 |
| 2731.1 |
| 2615.9 |
| 2452.6 |
| 2281.5 |
| 2124.9 |
| 1986.2 |
| 1812.9 |
| 1618.3 |
| 1424.8 |
| 1251.5 |
| 1106.1 |
| 961.8 |
| 880.2 |
| 828.7 |
| 792.9 |
| 768.3 |
| 741.5 |
| 695.6 |
| 657.6 |
| 641.9 |
| 640.8 |
| 630.8 |
| 683.3 |
| 677.7 |
| 478.7 |
| 369.1 |
| 282.9 |
| 213.6 |
| 108.5 |
| 0.0 |

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