

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: P847418

Luminaire Tested: **GLAN-SB3C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847418
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-SB3C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21720 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

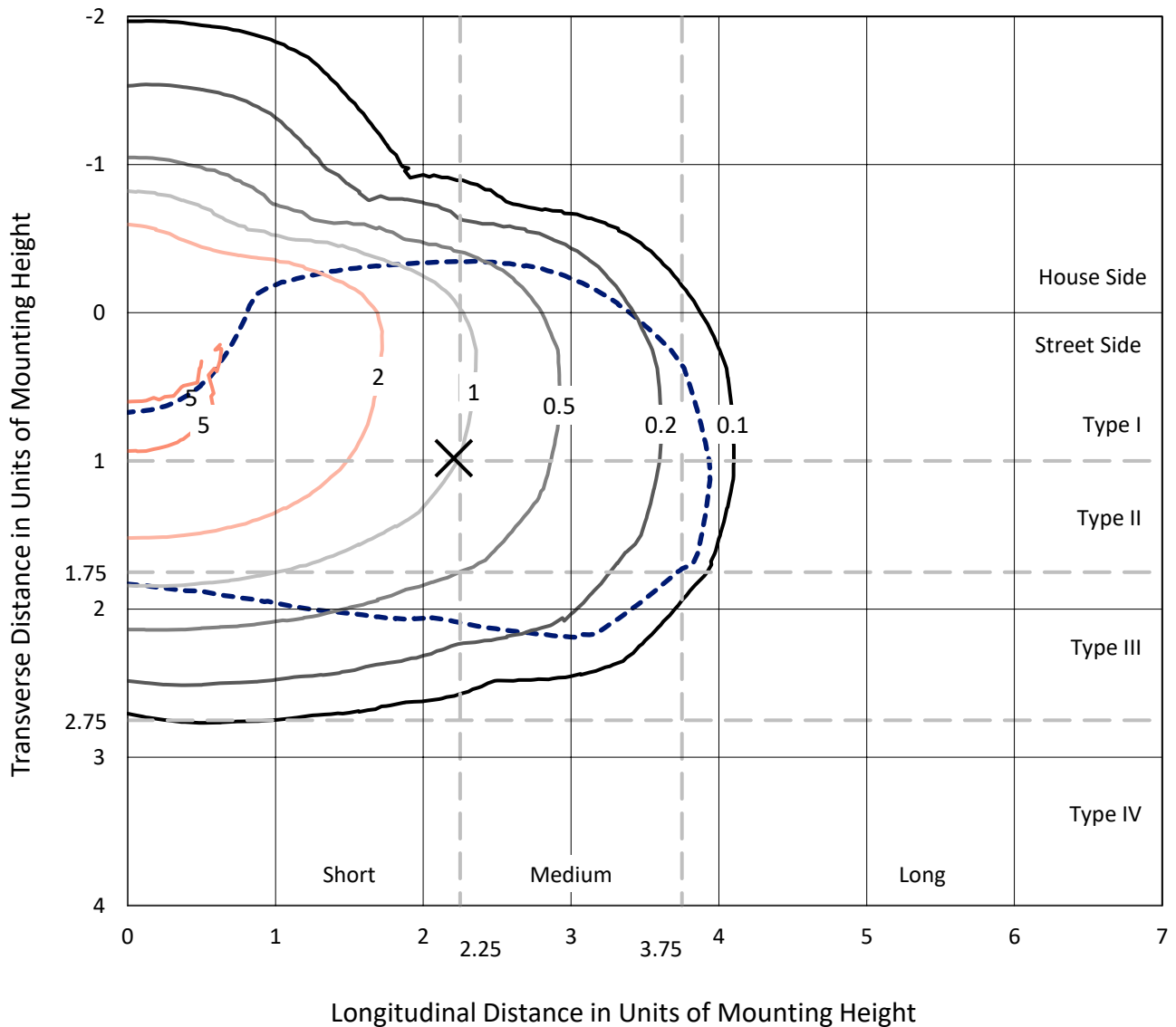
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

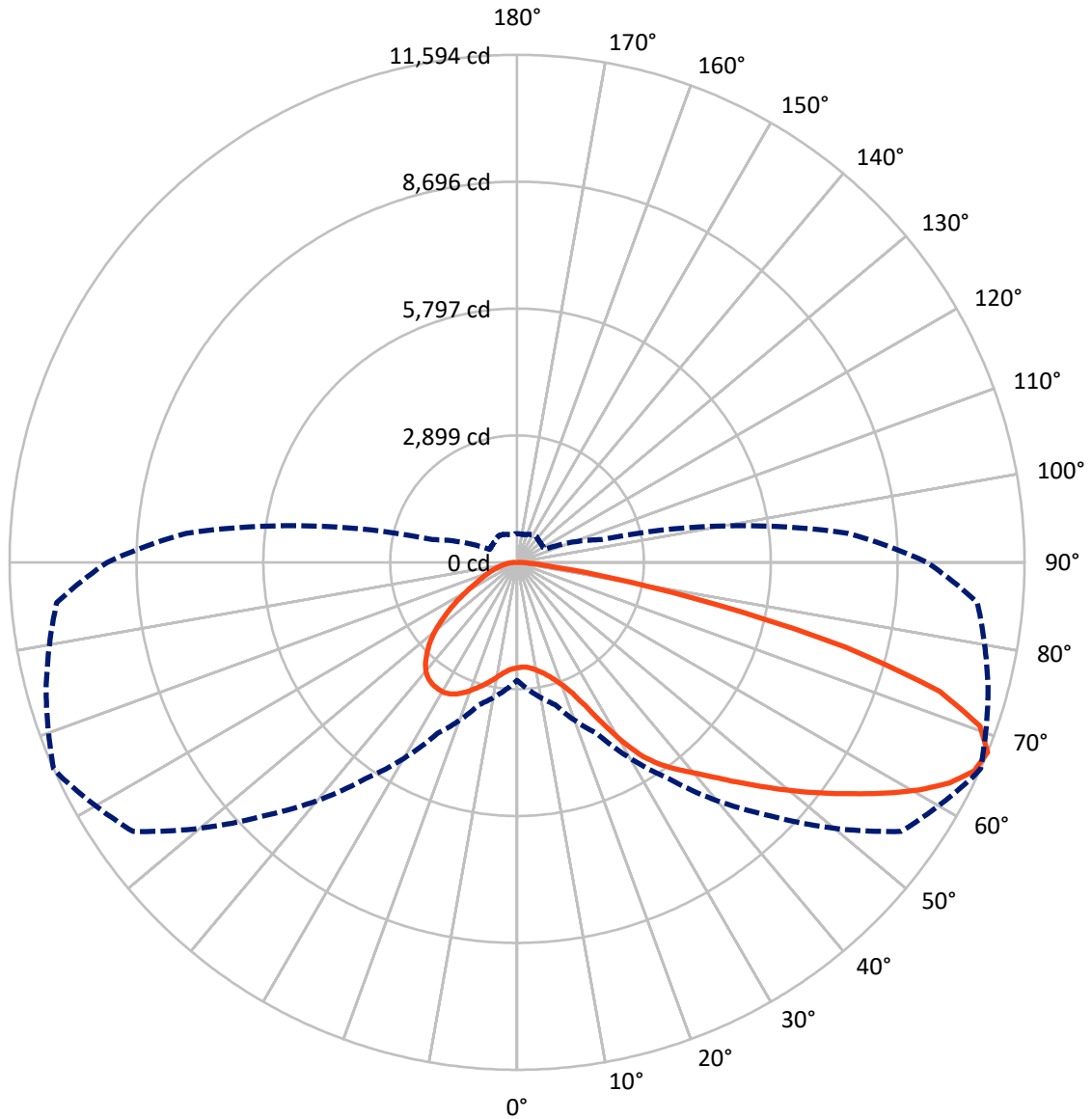
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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 | 5400.6 | 0.0 | 5400.6 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 16319.4 | 0.0 | 16319.4 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 21720.0 | 0.0 | 21720.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 238.8 | 1.1 |
| 10°-20° | 789.1 | 3.6 |
| 20°-30° | 1521.0 | 7.0 |
| 30°-40° | 2666.8 | 12.3 |
| 40°-50° | 3964.7 | 18.3 |
| 50°-60° | 5025.7 | 23.1 |
| 60°-70° | 4917.5 | 22.6 |
| 70°-80° | 2345.7 | 10.8 |
| 80°-90° | 250.7 | 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° | 21720.0 | 100.0 |
| 0°-180° | 21720.0 | 100.0 |

Coefficient of Utilization



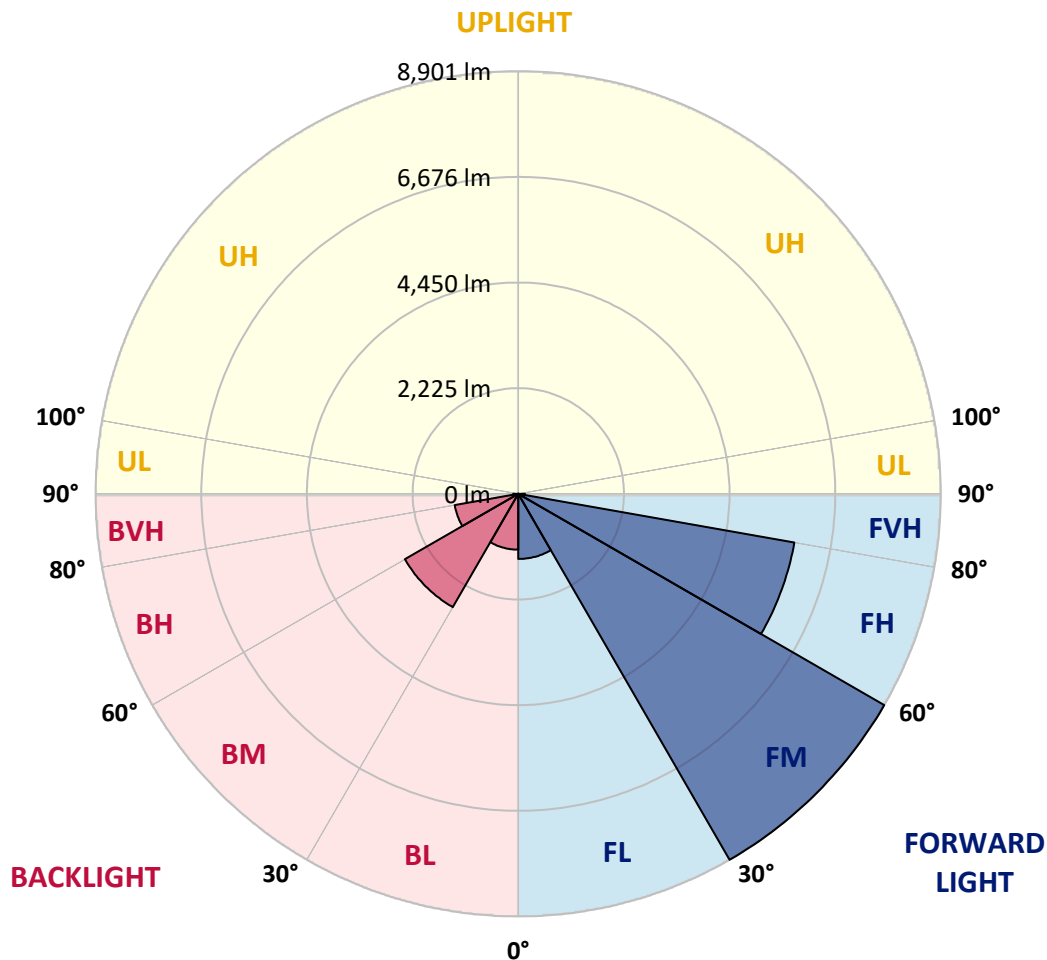
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1372.5 | 6.3 | | | |
| FM | (30°-60°) | 8900.7 | 41.0 | | | |
| FH | (60°-80°) | 5904.1 | 27.2 | | | G3/7500 |
| FVH | (80°-90°) | 142.1 | 0.7 | | | G2/225 |
| BL | (0°-30°) | 1176.4 | 5.4 | B3/2500 | | |
| BM | (30°-60°) | 2756.5 | 12.7 | B3/5000 | | |
| BH | (60°-80°) | 1359.1 | 6.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 108.6 | 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° | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 |
| 2.5° | 2383.9 | 2397.6 | 2394.2 | 2388.5 | 2387.4 | 2389.6 | 2393.1 | 2396.5 | 2395.3 | 2401.0 |
| 5° | 2377.1 | 2390.8 | 2389.6 | 2389.6 | 2394.2 | 2403.3 | 2409.0 | 2414.7 | 2409.0 | 2415.9 |
| 7.5° | 2381.6 | 2391.9 | 2396.5 | 2401.0 | 2412.5 | 2429.6 | 2443.3 | 2455.8 | 2449.0 | 2457.0 |
| 10° | 2439.8 | 2447.8 | 2452.4 | 2452.4 | 2460.4 | 2479.8 | 2493.5 | 2516.3 | 2510.6 | 2523.2 |
| 12.5° | 2546.0 | 2554.0 | 2554.0 | 2549.4 | 2555.1 | 2567.7 | 2572.2 | 2597.3 | 2587.1 | 2607.6 |
| 15° | 2676.1 | 2692.0 | 2679.5 | 2671.5 | 2673.8 | 2686.3 | 2685.2 | 2704.6 | 2694.3 | 2711.4 |
| 17.5° | 2819.9 | 2840.4 | 2819.9 | 2818.7 | 2814.2 | 2827.8 | 2829.0 | 2846.1 | 2827.8 | 2840.4 |
| 20° | 2989.9 | 3018.4 | 3001.3 | 3007.0 | 2996.7 | 3002.4 | 3008.2 | 3033.3 | 3004.7 | 3013.9 |
| 22.5° | 3229.5 | 3263.8 | 3245.5 | 3267.2 | 3260.4 | 3255.8 | 3254.7 | 3299.2 | 3254.7 | 3258.1 |
| 25° | 3578.7 | 3619.8 | 3587.9 | 3617.5 | 3617.5 | 3632.4 | 3649.5 | 3706.6 | 3632.4 | 3610.7 |
| 27.5° | 4094.6 | 4135.6 | 4072.9 | 4091.1 | 4085.4 | 4121.9 | 4103.7 | 4245.2 | 4165.3 | 4129.9 |
| 30° | 4715.4 | 4788.4 | 4669.7 | 4665.2 | 4659.4 | 4717.6 | 4743.9 | 4837.5 | 4756.4 | 4721.1 |
| 32.5° | 5386.4 | 5462.8 | 5321.3 | 5280.2 | 5258.6 | 5293.9 | 5272.3 | 5347.6 | 5291.7 | 5236.9 |
| 35° | 6096.2 | 6171.5 | 6036.9 | 5957.0 | 5870.2 | 5796.1 | 5718.5 | 5737.9 | 5685.4 | 5602.1 |
| 37.5° | 6767.2 | 6905.3 | 6762.6 | 6677.1 | 6517.3 | 6372.4 | 6155.5 | 6065.4 | 6016.3 | 5939.9 |
| 40° | 7450.8 | 7529.5 | 7421.1 | 7348.1 | 7174.6 | 6947.5 | 6600.6 | 6410.0 | 6343.8 | 6269.7 |
| 42.5° | 7954.0 | 8029.4 | 7971.2 | 7920.9 | 7785.1 | 7521.5 | 7073.0 | 6834.5 | 6738.7 | 6655.4 |
| 45° | 8353.5 | 8409.4 | 8372.9 | 8391.1 | 8332.9 | 8077.3 | 7562.6 | 7289.9 | 7190.6 | 7089.0 |
| 47.5° | 8514.4 | 8573.7 | 8631.9 | 8740.3 | 8839.6 | 8651.3 | 8088.7 | 7782.9 | 7677.9 | 7574.0 |
| 50° | 8496.1 | 8556.6 | 8725.5 | 8956.0 | 9264.1 | 9201.3 | 8643.3 | 8307.8 | 8210.8 | 8092.1 |
| 52.5° | 8350.0 | 8418.5 | 8635.3 | 9018.8 | 9509.5 | 9613.3 | 9208.2 | 8849.9 | 8758.6 | 8617.1 |
| 55° | 7966.6 | 8007.7 | 8332.9 | 8876.1 | 9567.7 | 9900.9 | 9761.7 | 9427.3 | 9336.0 | 9138.6 |
| 57.5° | 7255.6 | 7315.0 | 7788.6 | 8491.5 | 9421.6 | 10096.0 | 10247.8 | 10034.4 | 9946.5 | 9662.4 |
| 60° | 6327.9 | 6422.6 | 6964.6 | 7845.6 | 9049.6 | 10094.9 | 10689.5 | 10631.3 | 10558.2 | 10178.2 |
| 62.5° | 5278.0 | 5387.5 | 5909.0 | 6932.7 | 8399.1 | 9808.5 | 10965.6 | 11131.1 | 11093.4 | 10654.1 |
| 65° | 4053.5 | 4128.8 | 4648.0 | 5751.6 | 7386.9 | 9193.4 | 10997.6 | 11472.3 | 11479.1 | 11015.8 |
| 67.5° | 2698.9 | 2915.7 | 3366.5 | 4316.0 | 6031.1 | 8188.0 | 10716.8 | 11528.2 | 11594.4 | 11140.2 |
| 70° | 1316.9 | 1602.2 | 2043.9 | 2805.0 | 4316.0 | 6646.2 | 9983.1 | 11069.5 | 11216.7 | 10777.3 |
| 72.5° | 546.6 | 639.1 | 879.9 | 1384.3 | 2477.5 | 4484.8 | 8508.7 | 9825.6 | 10098.3 | 9549.4 |
| 75° | 368.6 | 399.4 | 503.3 | 709.8 | 1128.6 | 2211.6 | 6136.1 | 7326.4 | 7765.7 | 7212.3 |
| 77.5° | 284.2 | 303.6 | 366.3 | 496.4 | 671.0 | 836.5 | 3284.3 | 4415.2 | 4642.3 | 4297.7 |
| 80° | 223.7 | 238.5 | 273.9 | 361.8 | 475.9 | 447.3 | 1119.5 | 2000.5 | 2131.7 | 1788.2 |
| 82.5° | 194.0 | 199.7 | 196.3 | 245.4 | 316.1 | 261.3 | 367.5 | 738.3 | 814.8 | 591.1 |
| 85° | 140.4 | 156.3 | 163.2 | 151.8 | 167.8 | 132.4 | 150.6 | 261.3 | 287.6 | 256.8 |
| 87.5° | 57.1 | 84.4 | 103.8 | 98.1 | 61.6 | 37.7 | 46.8 | 76.5 | 87.9 | 95.9 |
| 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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 CATALOG NUMBER: GLAN-SB3C-730-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2409.0 | 0° | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 | 2409.0 |
| 2410.2 | 2.5° | 2411.3 | 2419.3 | 2425.0 | 2431.9 | 2436.4 | 2443.3 | 2457.0 | 2465.0 | 2466.1 | 2471.8 |
| 2428.4 | 5° | 2433.0 | 2444.4 | 2457.0 | 2475.2 | 2495.8 | 2512.9 | 2539.1 | 2557.4 | 2564.2 | 2569.9 |
| 2472.9 | 7.5° | 2479.8 | 2495.8 | 2518.6 | 2550.5 | 2580.2 | 2603.0 | 2635.0 | 2656.7 | 2678.4 | 2686.3 |
| 2543.7 | 10° | 2549.4 | 2572.2 | 2605.3 | 2648.7 | 2680.6 | 2710.3 | 2743.4 | 2761.7 | 2783.3 | 2792.5 |
| 2628.1 | 12.5° | 2636.1 | 2660.1 | 2703.5 | 2763.9 | 2793.6 | 2814.2 | 2825.6 | 2821.0 | 2825.6 | 2833.6 |
| 2729.7 | 15° | 2735.4 | 2761.7 | 2810.7 | 2875.8 | 2896.3 | 2878.1 | 2853.0 | 2830.1 | 2826.7 | 2829.0 |
| 2853.0 | 17.5° | 2853.0 | 2872.4 | 2929.4 | 2984.2 | 2969.4 | 2894.0 | 2839.3 | 2802.7 | 2784.5 | 2778.8 |
| 3010.4 | 20° | 3017.3 | 3017.3 | 3064.1 | 3098.3 | 2999.0 | 2871.2 | 2785.6 | 2726.3 | 2688.6 | 2672.6 |
| 3225.0 | 22.5° | 3217.0 | 3198.7 | 3228.4 | 3204.4 | 2993.3 | 2807.3 | 2688.6 | 2585.9 | 2528.9 | 2506.0 |
| 3525.1 | 25° | 3470.3 | 3448.7 | 3440.7 | 3292.3 | 2952.2 | 2705.7 | 2512.9 | 2388.5 | 2338.3 | 2325.7 |
| 3957.6 | 27.5° | 3852.6 | 3797.9 | 3694.0 | 3340.2 | 2876.9 | 2546.0 | 2307.5 | 2192.2 | 2163.7 | 2164.8 |
| 4513.4 | 30° | 4361.6 | 4252.0 | 3997.6 | 3348.2 | 2753.7 | 2320.0 | 2097.5 | 2015.3 | 2001.6 | 2007.3 |
| 4980.1 | 32.5° | 4832.9 | 4729.1 | 4308.0 | 3311.7 | 2564.2 | 2098.6 | 1909.2 | 1854.4 | 1833.9 | 1840.7 |
| 5336.2 | 35° | 5202.6 | 5174.1 | 4595.5 | 3260.4 | 2331.4 | 1890.9 | 1740.3 | 1693.5 | 1653.6 | 1644.4 |
| 5671.7 | 37.5° | 5551.9 | 5540.4 | 4811.2 | 3188.5 | 2100.9 | 1743.7 | 1604.5 | 1542.9 | 1484.7 | 1452.7 |
| 6042.6 | 40° | 5935.3 | 5923.9 | 4952.7 | 3077.8 | 1896.6 | 1615.9 | 1482.4 | 1401.4 | 1329.5 | 1271.3 |
| 6462.5 | 42.5° | 6366.7 | 6299.3 | 5020.1 | 2919.1 | 1723.2 | 1507.5 | 1383.1 | 1273.6 | 1178.8 | 1125.2 |
| 6937.2 | 45° | 6838.0 | 6686.2 | 5018.9 | 2717.2 | 1577.1 | 1408.2 | 1277.0 | 1121.8 | 1033.9 | 983.7 |
| 7424.5 | 47.5° | 7337.8 | 7055.9 | 4957.3 | 2493.5 | 1435.6 | 1298.7 | 1112.7 | 994.0 | 935.8 | 905.0 |
| 7954.0 | 50° | 7853.6 | 7401.7 | 4852.3 | 2236.7 | 1290.7 | 1174.3 | 1009.9 | 928.9 | 884.4 | 855.9 |
| 8479.0 | 52.5° | 8338.6 | 7715.5 | 4725.6 | 1945.7 | 1143.5 | 1053.3 | 964.3 | 901.5 | 854.7 | 822.8 |
| 8987.9 | 55° | 8789.4 | 7986.0 | 4546.5 | 1647.9 | 1023.6 | 972.3 | 942.6 | 890.1 | 836.5 | 798.8 |
| 9504.9 | 57.5° | 9189.9 | 8161.7 | 4237.2 | 1368.3 | 938.1 | 916.4 | 919.8 | 870.7 | 809.1 | 777.1 |
| 10013.9 | 60° | 9523.2 | 8290.7 | 3779.6 | 1109.2 | 868.4 | 861.6 | 884.4 | 834.2 | 762.3 | 725.8 |
| 10444.1 | 62.5° | 9722.9 | 8288.4 | 3218.1 | 908.4 | 809.1 | 811.4 | 837.6 | 788.6 | 715.5 | 681.3 |
| 10668.9 | 65° | 9705.8 | 8085.3 | 2601.9 | 777.1 | 752.0 | 754.3 | 788.6 | 738.3 | 676.7 | 656.2 |
| 10555.9 | 67.5° | 9362.3 | 7590.0 | 1995.9 | 691.6 | 689.3 | 699.5 | 739.5 | 704.1 | 652.8 | 650.5 |
| 9882.6 | 70° | 8432.2 | 6561.8 | 1437.9 | 623.1 | 624.2 | 639.1 | 691.6 | 682.4 | 640.2 | 644.8 |
| 8308.9 | 72.5° | 6761.5 | 5002.9 | 965.4 | 551.2 | 552.3 | 576.3 | 645.9 | 665.3 | 627.7 | 688.1 |
| 5895.3 | 75° | 4503.1 | 3120.0 | 620.8 | 474.7 | 475.9 | 506.7 | 606.0 | 632.2 | 593.4 | 685.9 |
| 3067.5 | 77.5° | 2163.7 | 1402.5 | 449.6 | 399.4 | 399.4 | 427.9 | 523.8 | 566.0 | 505.5 | 532.9 |
| 986.0 | 80° | 747.5 | 527.2 | 353.8 | 321.8 | 315.0 | 334.4 | 441.6 | 490.7 | 435.9 | 401.7 |
| 321.8 | 82.5° | 294.4 | 273.9 | 284.2 | 249.9 | 227.1 | 239.6 | 343.5 | 405.1 | 320.7 | 289.9 |
| 181.4 | 85° | 168.9 | 178.0 | 200.8 | 165.5 | 131.2 | 147.2 | 252.2 | 291.0 | 241.9 | 213.4 |
| 59.3 | 87.5° | 45.6 | 62.8 | 92.4 | 85.6 | 59.3 | 62.8 | 119.8 | 160.9 | 139.2 | 107.3 |
| 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/> |
| 2409.0 |
| 2470.7 |
| 2568.8 |
| 2687.5 |
| 2797.0 |
| 2835.8 |
| 2837.0 |
| 2786.8 |
| 2669.2 |
| 2502.6 |
| 2328.0 |
| 2168.2 |
| 2026.7 |
| 1849.9 |
| 1651.3 |
| 1453.9 |
| 1277.0 |
| 1128.6 |
| 981.4 |
| 898.1 |
| 845.6 |
| 809.1 |
| 784.0 |
| 756.6 |
| 709.8 |
| 671.0 |
| 655.0 |
| 653.9 |
| 643.6 |
| 697.3 |
| 691.6 |
| 488.4 |
| 376.6 |
| 288.7 |
| 218.0 |
| 110.7 |
| 0.0 |

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