

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: P852748

Luminaire Tested: **GLAN-SB6A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852748
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-SB6A-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 350mA 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: 18316 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

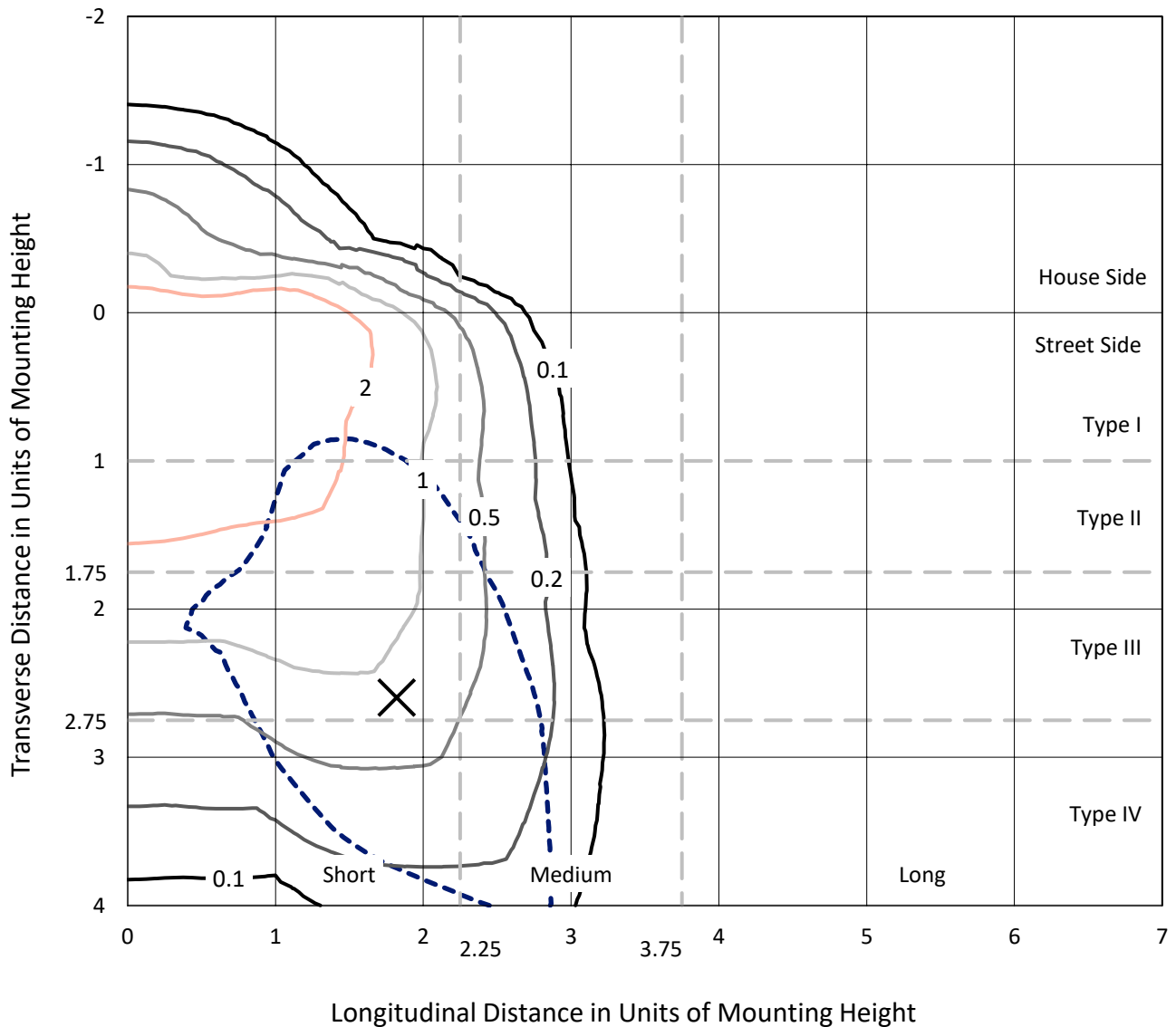
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

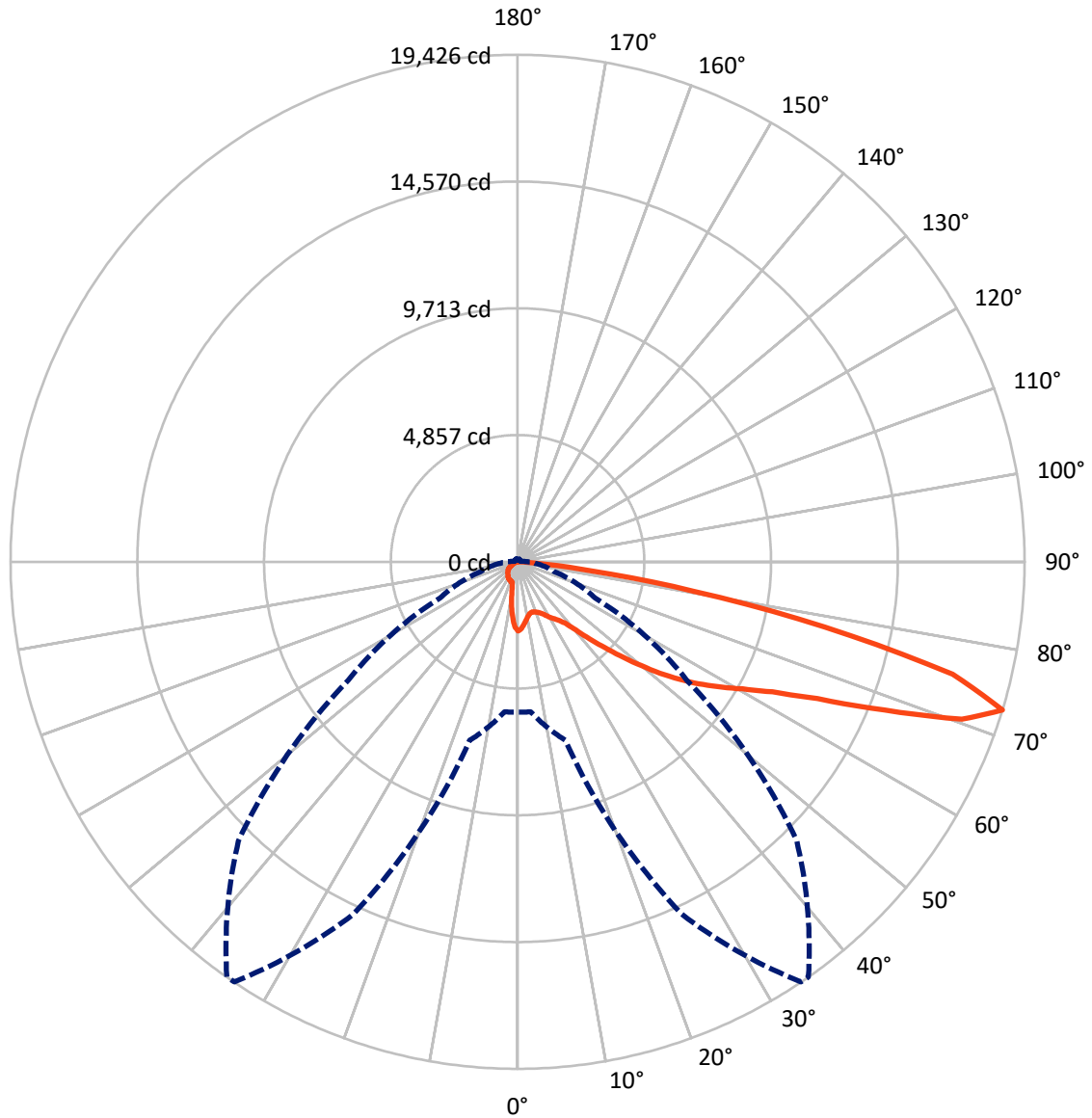
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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 | 2061.4 | 0.0 | 2061.4 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 16254.6 | 0.0 | 16254.6 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 18316.0 | 0.0 | 18316.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 218.1 | 1.2 |
| 10°-20° | 510.3 | 2.8 |
| 20°-30° | 829.0 | 4.5 |
| 30°-40° | 1383.1 | 7.6 |
| 40°-50° | 2616.9 | 14.3 |
| 50°-60° | 4158.3 | 22.7 |
| 60°-70° | 5144.1 | 28.1 |
| 70°-80° | 3197.6 | 17.5 |
| 80°-90° | 258.4 | 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° | 18316.0 | 100.0 |
| 0°-180° | 18316.0 | 100.0 |

Coefficient of Utilization

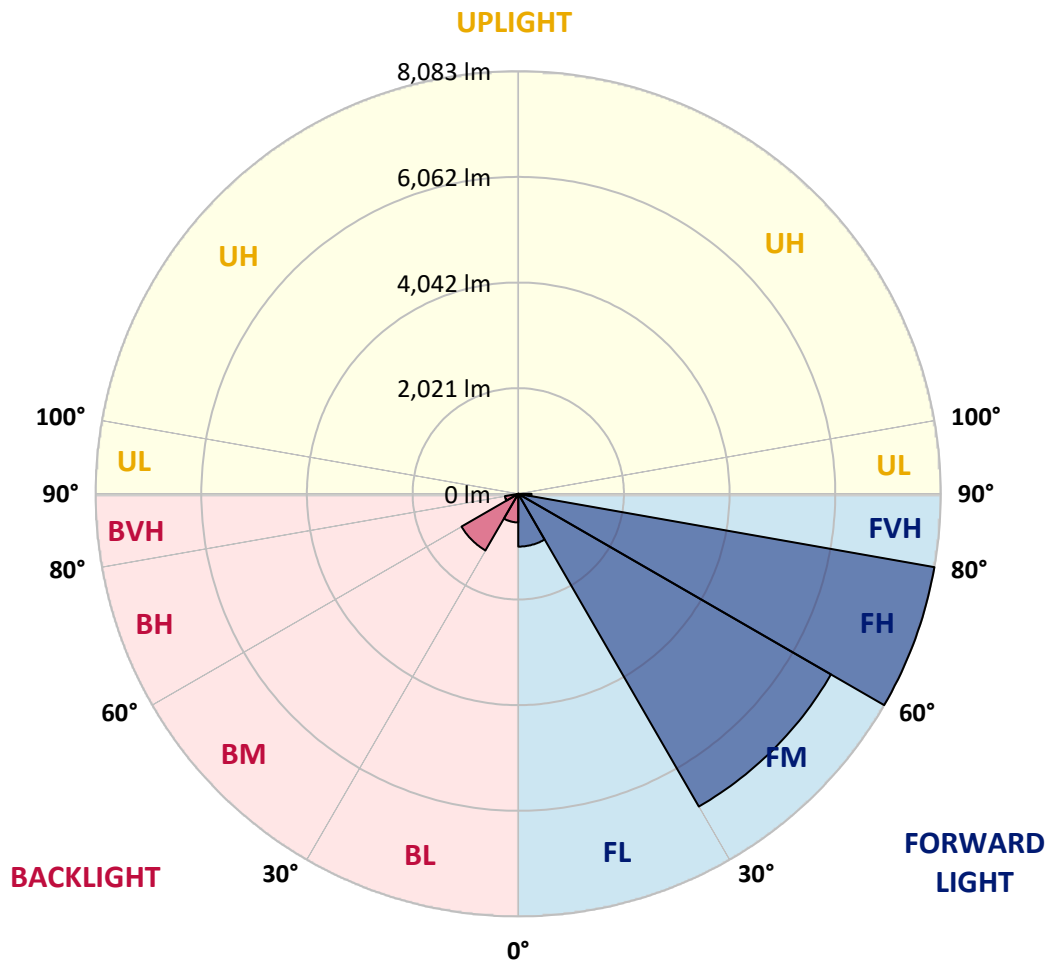


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 1009.7 | 5.5 | | | |
| FM | (30°-60°) | 6907.0 | 37.7 | | | |
| FH | (60°-80°) | 8083.1 | 44.1 | | | G4/12000 |
| FVH | (80°-90°) | 254.9 | 1.4 | | | G3/500 |
| BL | (0°-30°) | 547.7 | 3.0 | B2/1000 | | |
| BM | (30°-60°) | 1251.4 | 6.8 | B2/2500 | | |
| BH | (60°-80°) | 258.7 | 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° | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 |
| 2.5° | 2536.5 | 2558.0 | 2562.0 | 2568.7 | 2568.7 | 2576.8 | 2590.2 | 2609.0 | 2639.8 | 2655.9 |
| 5° | 2337.9 | 2354.0 | 2374.1 | 2390.2 | 2421.1 | 2425.1 | 2477.5 | 2528.4 | 2599.6 | 2653.3 |
| 7.5° | 2137.9 | 2156.7 | 2183.5 | 2222.5 | 2262.7 | 2274.8 | 2354.0 | 2439.9 | 2552.6 | 2653.3 |
| 10° | 1997.0 | 1998.3 | 2022.5 | 2061.4 | 2125.8 | 2140.6 | 2237.2 | 2359.3 | 2500.3 | 2637.2 |
| 12.5° | 1917.8 | 1927.2 | 1937.9 | 1967.5 | 2029.2 | 2038.6 | 2141.9 | 2285.5 | 2447.9 | 2627.8 |
| 15° | 1917.8 | 1924.5 | 1931.2 | 1946.0 | 1995.6 | 2003.7 | 2095.0 | 2238.6 | 2421.1 | 2631.8 |
| 17.5° | 1937.9 | 1948.7 | 1943.3 | 1960.8 | 2013.1 | 2018.5 | 2099.0 | 2225.1 | 2419.7 | 2657.3 |
| 20° | 1986.3 | 1994.3 | 1983.6 | 1994.3 | 2046.6 | 2057.4 | 2140.6 | 2250.6 | 2442.6 | 2701.6 |
| 22.5° | 2062.8 | 2066.8 | 2041.3 | 2049.3 | 2103.0 | 2116.4 | 2213.1 | 2323.1 | 2497.6 | 2772.7 |
| 25° | 2159.4 | 2167.4 | 2128.5 | 2137.9 | 2188.9 | 2205.0 | 2316.4 | 2431.8 | 2584.8 | 2870.7 |
| 27.5° | 2270.8 | 2274.8 | 2241.2 | 2239.9 | 2305.7 | 2328.5 | 2441.2 | 2566.0 | 2701.6 | 2994.1 |
| 30° | 2398.3 | 2410.3 | 2378.1 | 2372.8 | 2456.0 | 2474.8 | 2586.2 | 2731.1 | 2873.4 | 3179.3 |
| 32.5° | 2498.9 | 2508.3 | 2489.5 | 2502.9 | 2587.5 | 2602.3 | 2762.0 | 2964.6 | 3143.1 | 3442.4 |
| 35° | 2643.9 | 2649.2 | 2606.3 | 2630.4 | 2727.1 | 2764.7 | 3002.2 | 3292.1 | 3482.7 | 3772.5 |
| 37.5° | 3168.6 | 3168.6 | 2986.1 | 2866.6 | 2959.3 | 2992.8 | 3331.0 | 3704.1 | 3901.4 | 4215.4 |
| 40° | 3894.7 | 3882.6 | 3615.5 | 3371.3 | 3359.2 | 3424.9 | 3799.4 | 4223.5 | 4442.2 | 4746.9 |
| 42.5° | 4669.0 | 4650.3 | 4286.6 | 4045.0 | 4004.7 | 4027.5 | 4340.2 | 4863.6 | 5086.4 | 5395.1 |
| 45° | 5356.2 | 5350.8 | 5018.0 | 4693.2 | 4620.7 | 4693.2 | 5015.3 | 5612.5 | 5772.2 | 6097.0 |
| 47.5° | 5931.9 | 5931.9 | 5689.0 | 5477.0 | 5439.4 | 5482.3 | 5929.2 | 6443.2 | 6428.5 | 6844.5 |
| 50° | 6594.9 | 6589.5 | 6358.7 | 6267.4 | 6306.4 | 6366.8 | 6981.4 | 7318.3 | 7107.6 | 7578.6 |
| 52.5° | 7059.3 | 7091.5 | 7012.3 | 6997.5 | 7196.1 | 7300.8 | 8049.7 | 8174.5 | 7715.5 | 8275.2 |
| 55° | 7427.0 | 7464.6 | 7555.8 | 7659.2 | 8041.6 | 8178.5 | 9084.4 | 8986.5 | 8224.2 | 8879.1 |
| 57.5° | 7947.7 | 7894.0 | 8034.9 | 8238.9 | 8857.6 | 9022.7 | 10087.0 | 9752.8 | 8633.5 | 9368.9 |
| 60° | 8579.8 | 8587.9 | 8612.0 | 8869.7 | 9672.3 | 9884.3 | 11074.7 | 10477.5 | 8896.5 | 9669.6 |
| 62.5° | 9339.4 | 9351.5 | 9401.2 | 9797.1 | 10766.0 | 10966.0 | 12126.9 | 11070.7 | 9017.3 | 9585.0 |
| 65° | 9287.1 | 9338.1 | 9892.4 | 11246.5 | 12428.9 | 12626.1 | 13354.9 | 11486.7 | 8834.8 | 8812.0 |
| 67.5° | 8460.4 | 8543.6 | 9470.9 | 12977.8 | 14935.8 | 15155.9 | 14839.2 | 11568.6 | 8047.0 | 6852.6 |
| 70° | 7376.0 | 7405.5 | 8520.8 | 14534.6 | 17838.7 | 18061.5 | 16167.8 | 10668.1 | 6106.4 | 3822.2 |
| 72.5° | 5760.1 | 5766.8 | 7075.4 | 14895.6 | 19414.3 | 19426.4 | 15125.1 | 7919.5 | 3284.0 | 1468.2 |
| 75° | 4114.8 | 4074.5 | 4738.8 | 12079.9 | 17080.4 | 17217.3 | 11339.1 | 3714.8 | 1254.8 | 693.8 |
| 77.5° | 2206.4 | 2250.6 | 2681.4 | 7163.9 | 11799.4 | 12032.9 | 6186.9 | 1071.0 | 638.8 | 472.4 |
| 80° | 681.8 | 719.3 | 1099.2 | 3280.0 | 6683.5 | 6824.4 | 2293.6 | 476.4 | 445.6 | 336.9 |
| 82.5° | 214.7 | 222.8 | 512.7 | 1378.3 | 2774.0 | 2838.5 | 664.3 | 269.8 | 304.6 | 222.8 |
| 85° | 61.7 | 63.1 | 228.2 | 514.0 | 685.8 | 699.2 | 186.5 | 104.7 | 174.5 | 138.2 |
| 87.5° | 6.7 | 21.5 | 85.9 | 85.9 | 60.4 | 59.1 | 20.1 | 22.8 | 49.7 | 17.4 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2654.6 | 0° | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 | 2654.6 |
| 2666.7 | 2.5° | 2660.0 | 2661.3 | 2643.9 | 2614.3 | 2582.1 | 2555.3 | 2521.7 | 2494.9 | 2476.1 | 2470.7 |
| 2690.8 | 5° | 2678.8 | 2669.4 | 2619.7 | 2529.8 | 2422.4 | 2329.8 | 2226.5 | 2144.6 | 2090.9 | 2068.1 |
| 2716.3 | 7.5° | 2706.9 | 2680.1 | 2571.4 | 2394.2 | 2188.9 | 2006.4 | 1821.2 | 1677.6 | 1586.3 | 1540.7 |
| 2740.5 | 10° | 2731.1 | 2677.4 | 2490.9 | 2198.3 | 1884.3 | 1607.8 | 1358.2 | 1185.0 | 1088.4 | 1042.8 |
| 2768.7 | 12.5° | 2753.9 | 2676.1 | 2386.2 | 1966.1 | 1540.7 | 1202.5 | 970.3 | 884.4 | 857.6 | 848.2 |
| 2814.3 | 15° | 2796.9 | 2680.1 | 2254.7 | 1700.4 | 1198.5 | 908.6 | 824.0 | 822.7 | 828.1 | 825.4 |
| 2884.1 | 17.5° | 2855.9 | 2684.1 | 2105.7 | 1418.6 | 924.7 | 801.2 | 797.2 | 809.3 | 817.3 | 813.3 |
| 2971.3 | 20° | 2932.4 | 2700.2 | 1947.3 | 1139.4 | 794.5 | 774.4 | 783.8 | 794.5 | 801.2 | 794.5 |
| 3088.1 | 22.5° | 3039.8 | 2728.4 | 1774.2 | 915.3 | 752.9 | 758.3 | 766.3 | 778.4 | 785.1 | 775.7 |
| 3237.1 | 25° | 3171.3 | 2772.7 | 1603.8 | 795.8 | 732.8 | 739.5 | 751.6 | 765.0 | 773.0 | 763.6 |
| 3424.9 | 27.5° | 3341.7 | 2843.8 | 1446.7 | 769.0 | 712.6 | 716.7 | 734.1 | 754.2 | 765.0 | 752.9 |
| 3692.0 | 30° | 3588.7 | 2960.6 | 1311.2 | 781.1 | 700.6 | 691.2 | 715.3 | 743.5 | 755.6 | 744.8 |
| 4055.7 | 32.5° | 3916.1 | 3125.7 | 1228.0 | 799.9 | 695.2 | 661.6 | 684.5 | 720.7 | 740.8 | 734.1 |
| 4530.8 | 35° | 4345.6 | 3376.6 | 1195.8 | 821.3 | 691.2 | 630.8 | 646.9 | 685.8 | 720.7 | 727.4 |
| 5129.4 | 37.5° | 4866.3 | 3725.6 | 1205.2 | 830.7 | 679.1 | 605.3 | 613.3 | 646.9 | 692.5 | 714.0 |
| 5803.1 | 40° | 5458.2 | 4132.2 | 1258.9 | 821.3 | 665.7 | 583.8 | 585.1 | 610.6 | 650.9 | 683.1 |
| 6527.8 | 42.5° | 6068.8 | 4607.3 | 1358.2 | 786.4 | 653.6 | 565.0 | 561.0 | 578.4 | 605.3 | 628.1 |
| 7251.2 | 45° | 6649.9 | 5095.8 | 1456.1 | 738.1 | 638.8 | 546.2 | 536.8 | 543.5 | 548.9 | 558.3 |
| 7955.8 | 47.5° | 7157.2 | 5439.4 | 1428.0 | 693.8 | 618.7 | 524.7 | 508.6 | 506.0 | 489.9 | 488.5 |
| 8585.2 | 50° | 7507.5 | 5514.5 | 1268.3 | 649.6 | 589.2 | 500.6 | 475.1 | 459.0 | 430.8 | 417.4 |
| 9056.2 | 52.5° | 7618.9 | 5217.9 | 1036.1 | 605.3 | 540.9 | 468.4 | 432.1 | 406.6 | 371.8 | 359.7 |
| 9327.3 | 55° | 7471.3 | 4636.8 | 828.1 | 551.6 | 473.7 | 425.4 | 385.2 | 351.6 | 323.4 | 308.7 |
| 9356.9 | 57.5° | 7110.3 | 3897.4 | 654.9 | 488.5 | 402.6 | 377.1 | 336.9 | 303.3 | 279.1 | 264.4 |
| 9029.4 | 60° | 6511.7 | 3094.8 | 518.0 | 413.4 | 343.6 | 324.8 | 283.2 | 261.7 | 240.2 | 222.8 |
| 8183.9 | 62.5° | 5603.1 | 2209.0 | 406.6 | 327.5 | 287.2 | 265.7 | 241.6 | 225.5 | 200.0 | 175.8 |
| 6663.3 | 65° | 4372.4 | 1351.5 | 314.0 | 240.2 | 230.8 | 220.1 | 205.3 | 190.6 | 159.7 | 135.5 |
| 4346.9 | 67.5° | 2757.9 | 640.2 | 224.1 | 181.2 | 182.5 | 177.2 | 170.4 | 158.4 | 135.5 | 114.1 |
| 1947.3 | 70° | 1214.6 | 310.0 | 147.6 | 138.2 | 135.5 | 135.5 | 140.9 | 136.9 | 115.4 | 95.3 |
| 676.4 | 72.5° | 413.4 | 166.4 | 110.0 | 104.7 | 98.0 | 96.6 | 118.1 | 114.1 | 92.6 | 73.8 |
| 336.9 | 75° | 216.1 | 111.4 | 80.5 | 75.2 | 59.1 | 71.1 | 93.9 | 88.6 | 65.8 | 48.3 |
| 222.8 | 77.5° | 140.9 | 79.2 | 55.0 | 48.3 | 33.6 | 47.0 | 69.8 | 61.7 | 38.9 | 24.2 |
| 146.3 | 80° | 88.6 | 52.3 | 32.2 | 22.8 | 16.1 | 25.5 | 37.6 | 26.8 | 14.8 | 5.4 |
| 85.9 | 82.5° | 47.0 | 26.8 | 12.1 | 8.1 | 6.7 | 8.1 | 9.4 | 6.7 | 2.7 | 0.0 |
| 44.3 | 85° | 18.8 | 9.4 | 4.0 | 2.7 | 1.3 | 0.0 | 2.7 | 1.3 | 0.0 | 0.0 |
| 8.1 | 87.5° | 6.7 | 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 |

(END O

| <u>180°</u> |
|-------------|
| 2654.6 |
| 2480.1 |
| 2076.2 |
| 1547.4 |
| 1044.1 |
| 845.5 |
| 824.0 |
| 811.9 |
| 793.2 |
| 774.4 |
| 762.3 |
| 752.9 |
| 743.5 |
| 734.1 |
| 727.4 |
| 719.3 |
| 693.8 |
| 637.5 |
| 563.7 |
| 487.2 |
| 418.7 |
| 358.3 |
| 308.7 |
| 261.7 |
| 218.8 |
| 171.8 |
| 131.5 |
| 111.4 |
| 91.3 |
| 69.8 |
| 44.3 |
| 21.5 |
| 4.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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