

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: P852788

Luminaire Tested: **GLAN-SB6B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852788
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-SB6B-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA 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: 17442 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

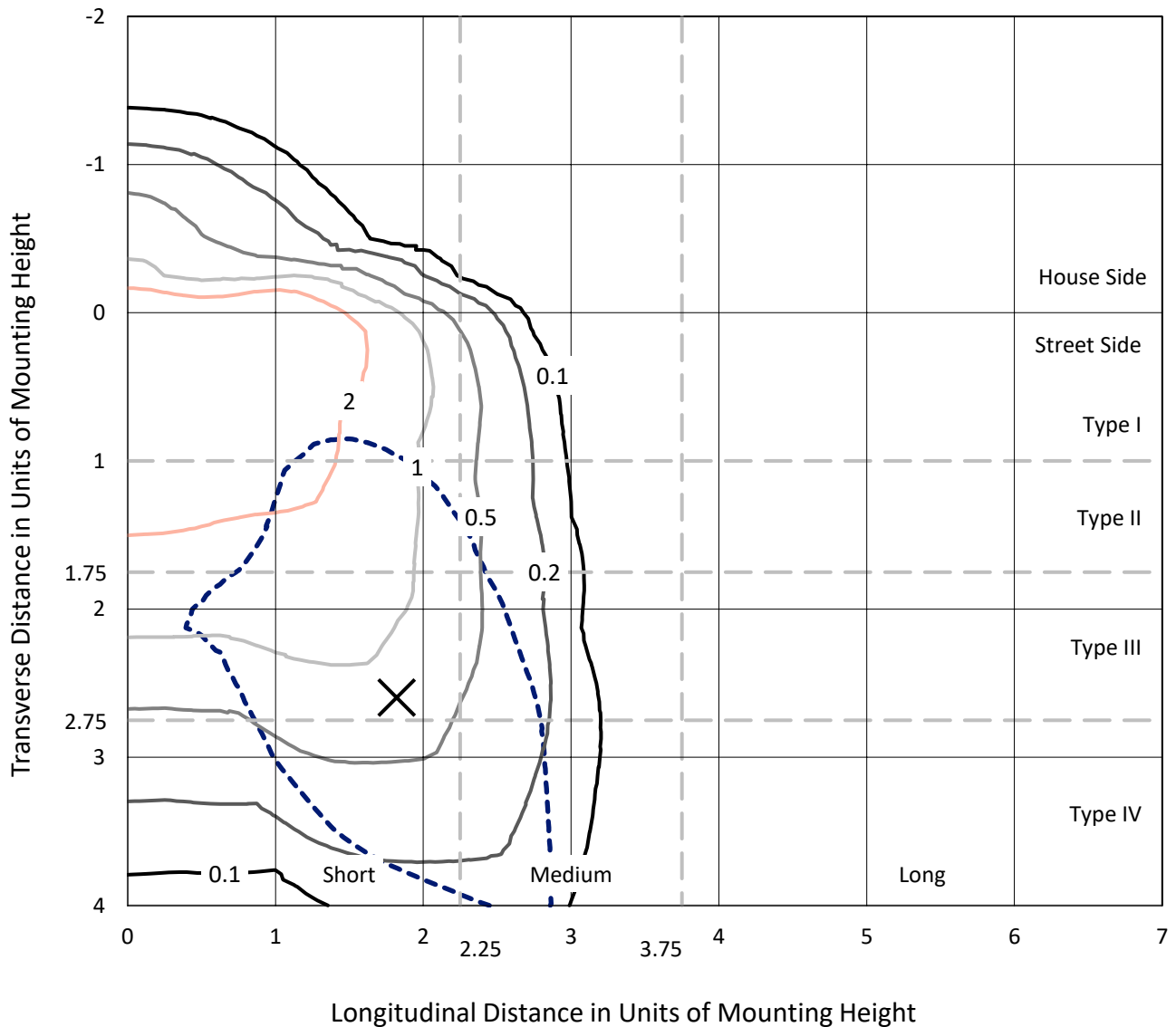
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

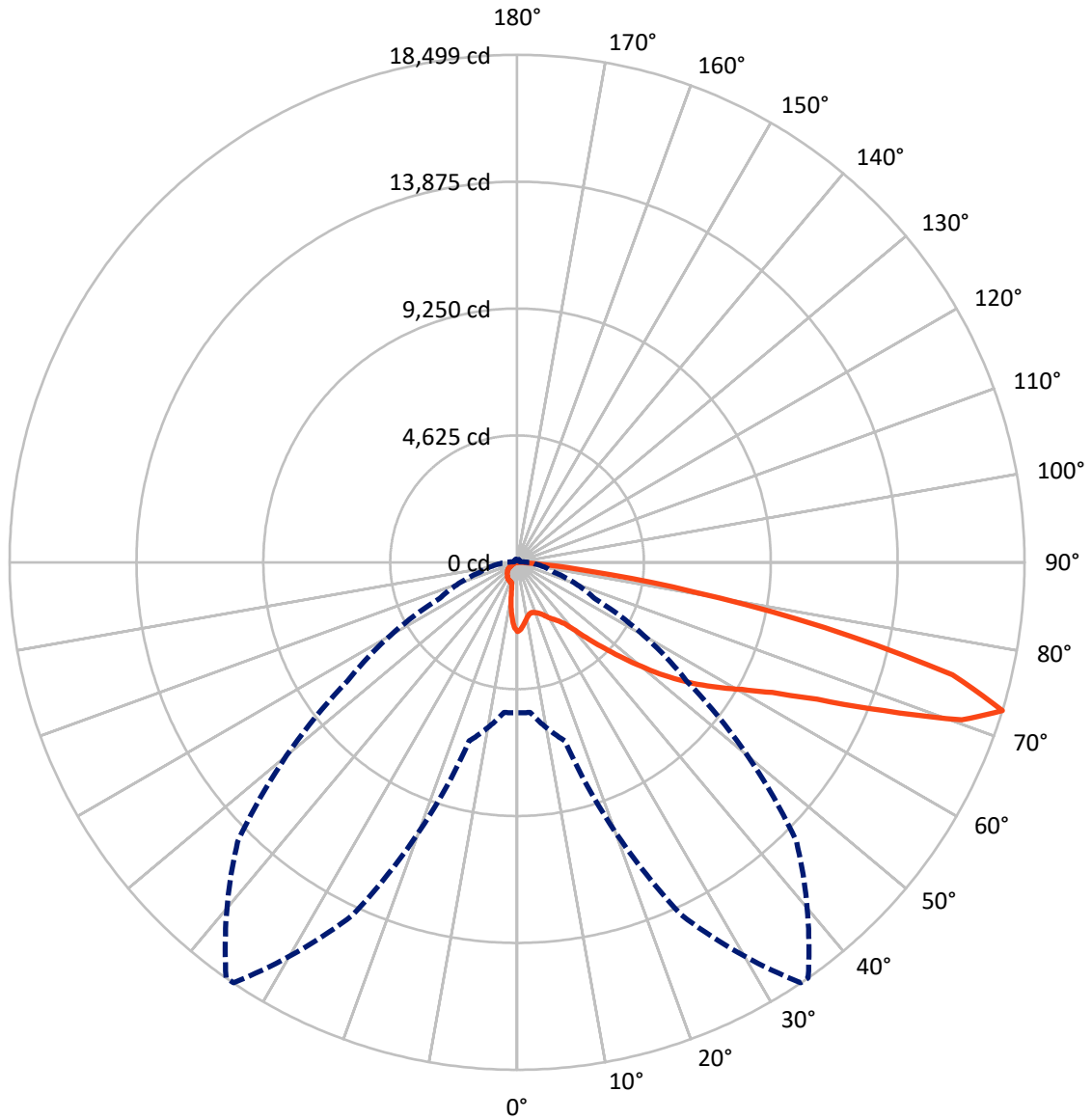
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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 | 1963.0 | 0.0 | 1963.0 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 15479.0 | 0.0 | 15479.0 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 17442.0 | 0.0 | 17442.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 207.7 | 1.2 |
| 10°-20° | 486.0 | 2.8 |
| 20°-30° | 789.4 | 4.5 |
| 30°-40° | 1317.1 | 7.6 |
| 40°-50° | 2492.1 | 14.3 |
| 50°-60° | 3959.9 | 22.7 |
| 60°-70° | 4898.7 | 28.1 |
| 70°-80° | 3045.0 | 17.5 |
| 80°-90° | 246.1 | 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° | 17442.0 | 100.0 |
| 0°-180° | 17442.0 | 100.0 |

Coefficient of Utilization

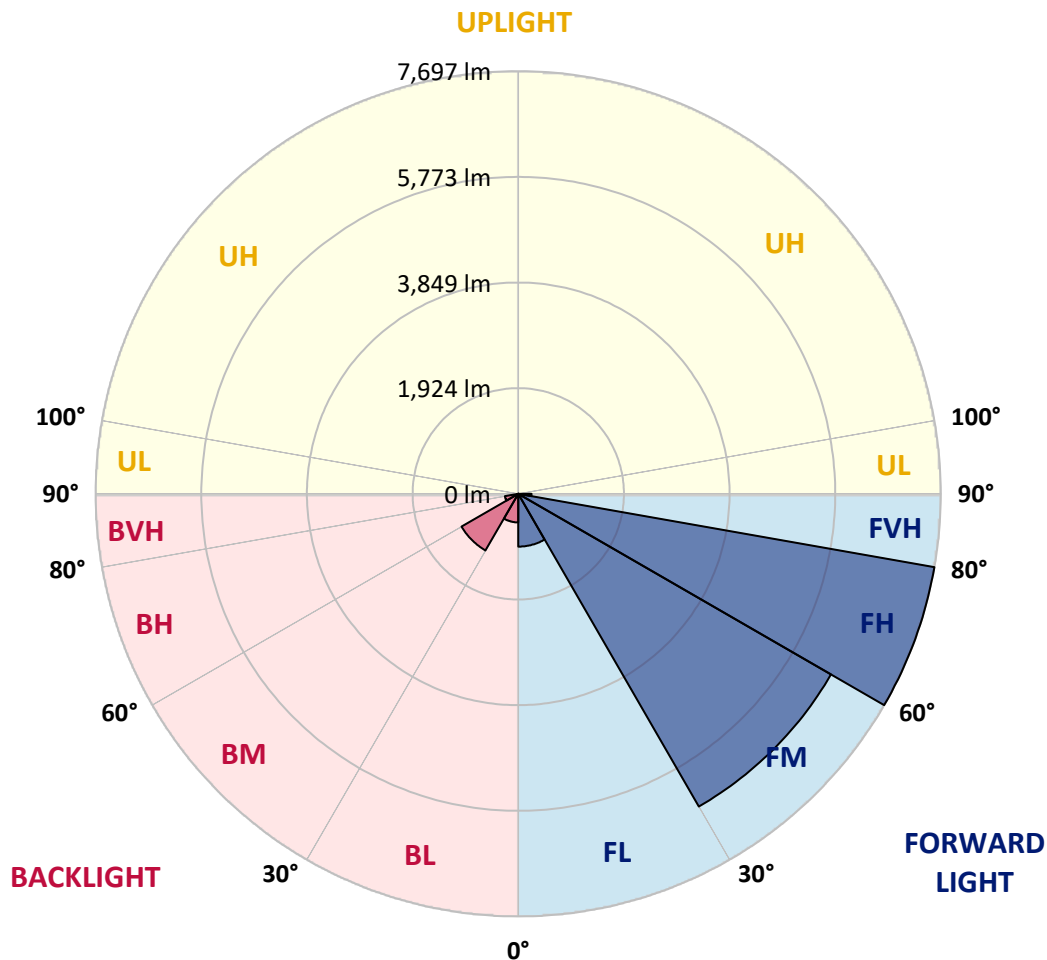


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 961.5 | 5.5 | | | |
| FM (30°-60°) | 6577.4 | 37.7 | | | |
| FH (60°-80°) | 7697.4 | 44.1 | | | G4/12000 |
| FVH (80°-90°) | 242.7 | 1.4 | | | G3/500 |
| BL (0°-30°) | 521.6 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 1191.7 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 246.3 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.4 | 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° | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 |
| 2.5° | 2415.5 | 2435.9 | 2439.7 | 2446.1 | 2446.1 | 2453.8 | 2466.6 | 2484.5 | 2513.9 | 2529.2 |
| 5° | 2226.3 | 2241.7 | 2260.8 | 2276.2 | 2305.6 | 2309.4 | 2359.2 | 2407.8 | 2475.5 | 2526.7 |
| 7.5° | 2035.9 | 2053.8 | 2079.3 | 2116.4 | 2154.7 | 2166.2 | 2241.7 | 2323.4 | 2430.8 | 2526.7 |
| 10° | 1901.7 | 1903.0 | 1926.0 | 1963.0 | 2024.4 | 2038.4 | 2130.5 | 2246.8 | 2381.0 | 2511.3 |
| 12.5° | 1826.3 | 1835.2 | 1845.5 | 1873.6 | 1932.4 | 1941.3 | 2039.7 | 2176.5 | 2331.1 | 2502.4 |
| 15° | 1826.3 | 1832.7 | 1839.1 | 1853.1 | 1900.4 | 1908.1 | 1995.0 | 2131.7 | 2305.6 | 2506.2 |
| 17.5° | 1845.5 | 1855.7 | 1850.6 | 1867.2 | 1917.0 | 1922.1 | 1998.8 | 2119.0 | 2304.3 | 2530.5 |
| 20° | 1891.5 | 1899.1 | 1888.9 | 1899.1 | 1949.0 | 1959.2 | 2038.4 | 2143.2 | 2326.0 | 2572.7 |
| 22.5° | 1964.3 | 1968.2 | 1943.9 | 1951.5 | 2002.7 | 2015.4 | 2107.5 | 2212.3 | 2378.4 | 2640.4 |
| 25° | 2056.3 | 2064.0 | 2026.9 | 2035.9 | 2084.5 | 2099.8 | 2205.9 | 2315.8 | 2461.5 | 2733.7 |
| 27.5° | 2162.4 | 2166.2 | 2134.3 | 2133.0 | 2195.6 | 2217.4 | 2324.7 | 2443.6 | 2572.7 | 2851.3 |
| 30° | 2283.8 | 2295.3 | 2264.7 | 2259.5 | 2338.8 | 2356.7 | 2462.8 | 2600.8 | 2736.2 | 3027.6 |
| 32.5° | 2379.7 | 2388.6 | 2370.7 | 2383.5 | 2464.0 | 2478.1 | 2630.2 | 2823.2 | 2993.1 | 3278.1 |
| 35° | 2517.7 | 2522.8 | 2481.9 | 2504.9 | 2596.9 | 2632.7 | 2858.9 | 3135.0 | 3316.5 | 3592.5 |
| 37.5° | 3017.4 | 3017.4 | 2843.6 | 2729.9 | 2818.0 | 2850.0 | 3172.1 | 3527.3 | 3715.2 | 4014.3 |
| 40° | 3708.8 | 3697.3 | 3443.0 | 3210.4 | 3198.9 | 3261.5 | 3618.1 | 4021.9 | 4230.3 | 4520.4 |
| 42.5° | 4446.2 | 4428.4 | 4082.0 | 3852.0 | 3813.6 | 3835.3 | 4133.1 | 4631.6 | 4843.7 | 5137.7 |
| 45° | 5100.6 | 5095.5 | 4778.5 | 4469.2 | 4400.2 | 4469.2 | 4776.0 | 5344.7 | 5496.8 | 5806.1 |
| 47.5° | 5648.9 | 5648.9 | 5417.5 | 5215.6 | 5179.8 | 5220.7 | 5646.3 | 6135.8 | 6121.7 | 6517.9 |
| 50° | 6280.2 | 6275.1 | 6055.3 | 5968.4 | 6005.4 | 6062.9 | 6648.3 | 6969.1 | 6768.4 | 7217.0 |
| 52.5° | 6722.4 | 6753.1 | 6677.7 | 6663.6 | 6852.8 | 6952.4 | 7665.6 | 7784.4 | 7347.4 | 7880.3 |
| 55° | 7072.6 | 7108.4 | 7195.3 | 7293.7 | 7657.9 | 7788.3 | 8650.9 | 8557.6 | 7831.7 | 8455.4 |
| 57.5° | 7568.5 | 7517.3 | 7651.5 | 7845.8 | 8435.0 | 8592.2 | 9605.6 | 9287.4 | 8221.5 | 8921.9 |
| 60° | 8170.4 | 8178.1 | 8201.1 | 8446.5 | 9210.7 | 9412.6 | 10546.3 | 9977.5 | 8472.0 | 9208.2 |
| 62.5° | 8893.8 | 8905.3 | 8952.6 | 9329.6 | 10252.3 | 10442.7 | 11548.2 | 10542.4 | 8587.0 | 9127.6 |
| 65° | 8843.9 | 8892.5 | 9420.3 | 10709.8 | 11835.8 | 12023.6 | 12717.6 | 10938.6 | 8413.2 | 8391.5 |
| 67.5° | 8056.7 | 8135.9 | 9019.0 | 12358.5 | 14223.1 | 14432.7 | 14131.1 | 11016.6 | 7663.0 | 6525.6 |
| 70° | 7024.0 | 7052.1 | 8114.2 | 13841.0 | 16987.5 | 17199.6 | 15396.3 | 10159.0 | 5815.0 | 3639.8 |
| 72.5° | 5485.3 | 5491.7 | 6737.7 | 14184.8 | 18487.9 | 18499.4 | 14403.3 | 7541.6 | 3127.3 | 1398.2 |
| 75° | 3918.4 | 3880.1 | 4512.7 | 11503.5 | 16265.4 | 16395.8 | 10798.0 | 3537.6 | 1195.0 | 660.7 |
| 77.5° | 2101.1 | 2143.2 | 2553.5 | 6822.1 | 11236.4 | 11458.8 | 5891.7 | 1019.9 | 608.3 | 449.9 |
| 80° | 649.2 | 685.0 | 1046.7 | 3123.5 | 6364.6 | 6498.7 | 2184.1 | 453.7 | 424.3 | 320.8 |
| 82.5° | 204.5 | 212.2 | 488.2 | 1312.5 | 2641.7 | 2703.0 | 632.6 | 256.9 | 290.1 | 212.2 |
| 85° | 58.8 | 60.1 | 217.3 | 489.5 | 653.1 | 665.9 | 177.6 | 99.7 | 166.1 | 131.6 |
| 87.5° | 6.4 | 20.4 | 81.8 | 81.8 | 57.5 | 56.2 | 19.2 | 21.7 | 47.3 | 16.6 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2527.9 | 0° | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 | 2527.9 |
| 2539.4 | 2.5° | 2533.0 | 2534.3 | 2517.7 | 2489.6 | 2458.9 | 2433.4 | 2401.4 | 2375.8 | 2358.0 | 2352.8 |
| 2562.4 | 5° | 2550.9 | 2542.0 | 2494.7 | 2409.1 | 2306.8 | 2218.6 | 2120.2 | 2042.3 | 1991.2 | 1969.4 |
| 2586.7 | 7.5° | 2577.8 | 2552.2 | 2448.7 | 2280.0 | 2084.5 | 1910.6 | 1734.3 | 1597.5 | 1510.6 | 1467.2 |
| 2609.7 | 10° | 2600.8 | 2549.7 | 2372.0 | 2093.4 | 1794.3 | 1531.1 | 1293.4 | 1128.5 | 1036.5 | 993.0 |
| 2636.6 | 12.5° | 2622.5 | 2548.4 | 2272.3 | 1872.3 | 1467.2 | 1145.1 | 924.0 | 842.2 | 816.7 | 807.7 |
| 2680.0 | 15° | 2663.4 | 2552.2 | 2147.1 | 1619.3 | 1141.3 | 865.2 | 784.7 | 783.4 | 788.5 | 786.0 |
| 2746.5 | 17.5° | 2719.6 | 2556.0 | 2005.2 | 1350.9 | 880.6 | 763.0 | 759.1 | 770.6 | 778.3 | 774.5 |
| 2829.5 | 20° | 2792.5 | 2571.4 | 1854.4 | 1085.0 | 756.6 | 737.4 | 746.4 | 756.6 | 763.0 | 756.6 |
| 2940.7 | 22.5° | 2894.7 | 2598.2 | 1689.5 | 871.6 | 717.0 | 722.1 | 729.8 | 741.3 | 747.6 | 738.7 |
| 3082.6 | 25° | 3020.0 | 2640.4 | 1527.2 | 757.9 | 697.8 | 704.2 | 715.7 | 728.5 | 736.1 | 727.2 |
| 3261.5 | 27.5° | 3182.3 | 2708.1 | 1377.7 | 732.3 | 678.6 | 682.5 | 699.1 | 718.2 | 728.5 | 717.0 |
| 3515.8 | 30° | 3417.4 | 2819.3 | 1248.6 | 743.8 | 667.1 | 658.2 | 681.2 | 708.0 | 719.5 | 709.3 |
| 3862.2 | 32.5° | 3729.3 | 2976.5 | 1169.4 | 761.7 | 662.0 | 630.1 | 651.8 | 686.3 | 705.5 | 699.1 |
| 4314.6 | 35° | 4138.2 | 3215.5 | 1138.7 | 782.2 | 658.2 | 600.7 | 616.0 | 653.1 | 686.3 | 692.7 |
| 4884.6 | 37.5° | 4634.1 | 3547.8 | 1147.7 | 791.1 | 646.7 | 576.4 | 584.1 | 616.0 | 659.5 | 679.9 |
| 5526.2 | 40° | 5197.7 | 3935.0 | 1198.8 | 782.2 | 633.9 | 555.9 | 557.2 | 581.5 | 619.8 | 650.5 |
| 6216.3 | 42.5° | 5779.2 | 4387.5 | 1293.4 | 748.9 | 622.4 | 538.0 | 534.2 | 550.8 | 576.4 | 598.1 |
| 6905.2 | 45° | 6332.6 | 4852.7 | 1386.7 | 702.9 | 608.3 | 520.2 | 511.2 | 517.6 | 522.7 | 531.7 |
| 7576.1 | 47.5° | 6815.7 | 5179.8 | 1359.8 | 660.7 | 589.2 | 499.7 | 484.4 | 481.8 | 466.5 | 465.2 |
| 8175.5 | 50° | 7149.3 | 5251.4 | 1207.7 | 618.6 | 561.1 | 476.7 | 452.4 | 437.1 | 410.2 | 397.5 |
| 8624.1 | 52.5° | 7255.3 | 4969.0 | 986.6 | 576.4 | 515.0 | 446.0 | 411.5 | 387.2 | 354.0 | 342.5 |
| 8882.3 | 55° | 7114.8 | 4415.6 | 788.5 | 525.3 | 451.1 | 405.1 | 366.8 | 334.8 | 308.0 | 293.9 |
| 8910.4 | 57.5° | 6771.0 | 3711.4 | 623.7 | 465.2 | 383.4 | 359.1 | 320.8 | 288.8 | 265.8 | 251.8 |
| 8598.5 | 60° | 6201.0 | 2947.1 | 493.3 | 393.6 | 327.2 | 309.3 | 269.7 | 249.2 | 228.8 | 212.2 |
| 7793.4 | 62.5° | 5335.7 | 2103.6 | 387.2 | 311.8 | 273.5 | 253.0 | 230.0 | 214.7 | 190.4 | 167.4 |
| 6345.4 | 65° | 4163.8 | 1287.0 | 299.1 | 228.8 | 219.8 | 209.6 | 195.5 | 181.5 | 152.1 | 129.1 |
| 4139.5 | 67.5° | 2626.3 | 609.6 | 213.4 | 172.5 | 173.8 | 168.7 | 162.3 | 150.8 | 129.1 | 108.6 |
| 1854.4 | 70° | 1156.6 | 295.2 | 140.6 | 131.6 | 129.1 | 129.1 | 134.2 | 130.4 | 109.9 | 90.7 |
| 644.1 | 72.5° | 393.6 | 158.5 | 104.8 | 99.7 | 93.3 | 92.0 | 112.5 | 108.6 | 88.2 | 70.3 |
| 320.8 | 75° | 205.8 | 106.1 | 76.7 | 71.6 | 56.2 | 67.7 | 89.5 | 84.3 | 62.6 | 46.0 |
| 212.2 | 77.5° | 134.2 | 75.4 | 52.4 | 46.0 | 32.0 | 44.7 | 66.5 | 58.8 | 37.1 | 23.0 |
| 139.3 | 80° | 84.3 | 49.8 | 30.7 | 21.7 | 15.3 | 24.3 | 35.8 | 25.6 | 14.1 | 5.1 |
| 81.8 | 82.5° | 44.7 | 25.6 | 11.5 | 7.7 | 6.4 | 7.7 | 8.9 | 6.4 | 2.6 | 0.0 |
| 42.2 | 85° | 17.9 | 8.9 | 3.8 | 2.6 | 1.3 | 0.0 | 2.6 | 1.3 | 0.0 | 0.0 |
| 7.7 | 87.5° | 6.4 | 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

| 180° |
|--------|
| 2527.9 |
| 2361.8 |
| 1977.1 |
| 1473.6 |
| 994.3 |
| 805.2 |
| 784.7 |
| 773.2 |
| 755.3 |
| 737.4 |
| 725.9 |
| 717.0 |
| 708.0 |
| 699.1 |
| 692.7 |
| 685.0 |
| 660.7 |
| 607.1 |
| 536.8 |
| 463.9 |
| 398.7 |
| 341.2 |
| 293.9 |
| 249.2 |
| 208.3 |
| 163.6 |
| 125.2 |
| 106.1 |
| 86.9 |
| 66.5 |
| 42.2 |
| 20.4 |
| 3.8 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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