

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: P849907

Luminaire Tested: **GLAN-SB7A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16879 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

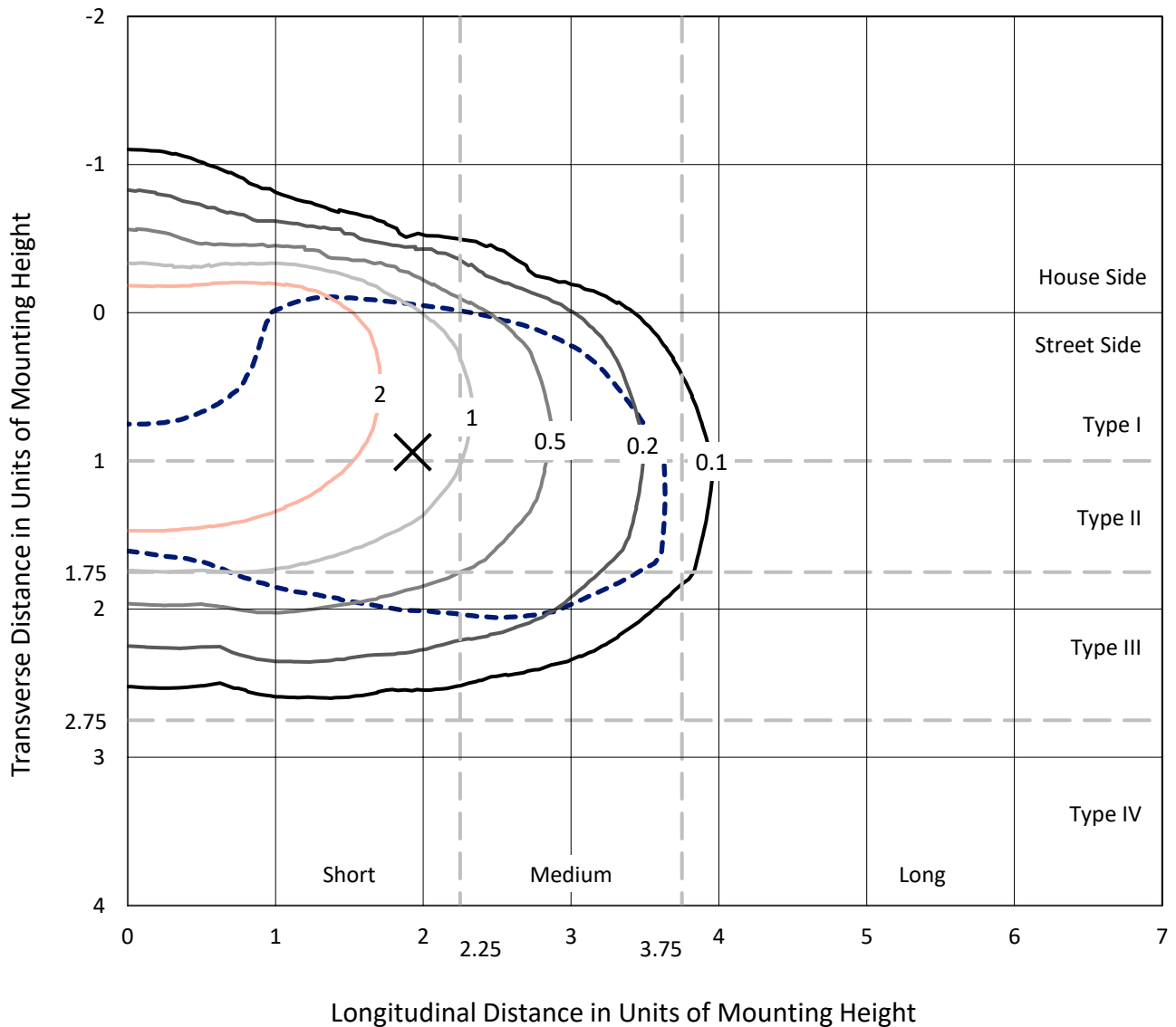
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

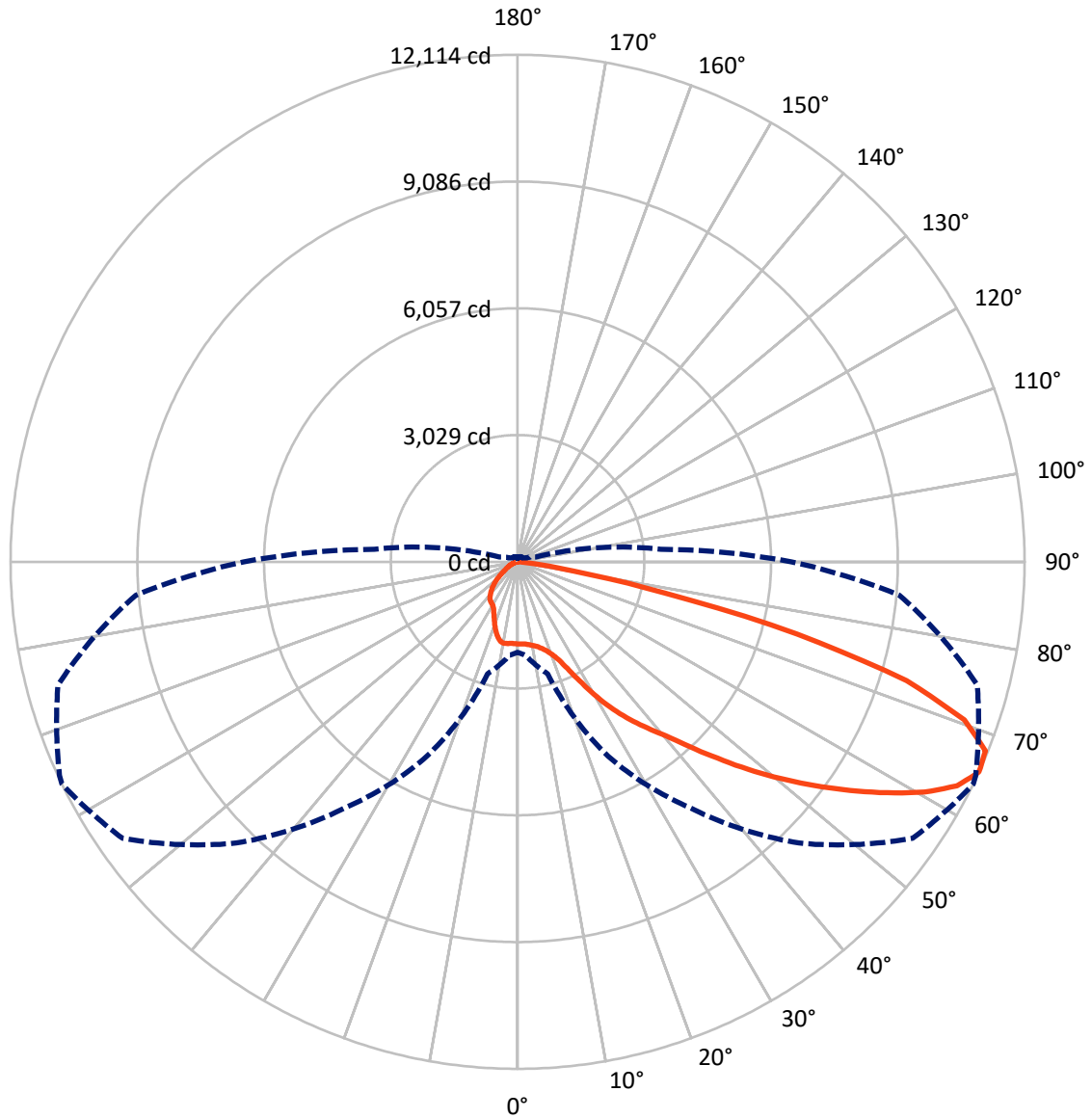
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2257.2 | 0.0 | 2257.2 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 14621.8 | 0.0 | 14621.8 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 16879.0 | 0.0 | 16879.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 181.1 | 1.1 |
| 10°-20° | 491.3 | 2.9 |
| 20°-30° | 930.9 | 5.5 |
| 30°-40° | 1883.7 | 11.2 |
| 40°-50° | 3208.9 | 19.0 |
| 50°-60° | 4363.9 | 25.9 |
| 60°-70° | 4097.9 | 24.3 |
| 70°-80° | 1641.8 | 9.7 |
| 80°-90° | 79.5 | 0.5 |
| 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° | 16879.0 | 100.0 |
| 0°-180° | 16879.0 | 100.0 |

Coefficient of Utilization



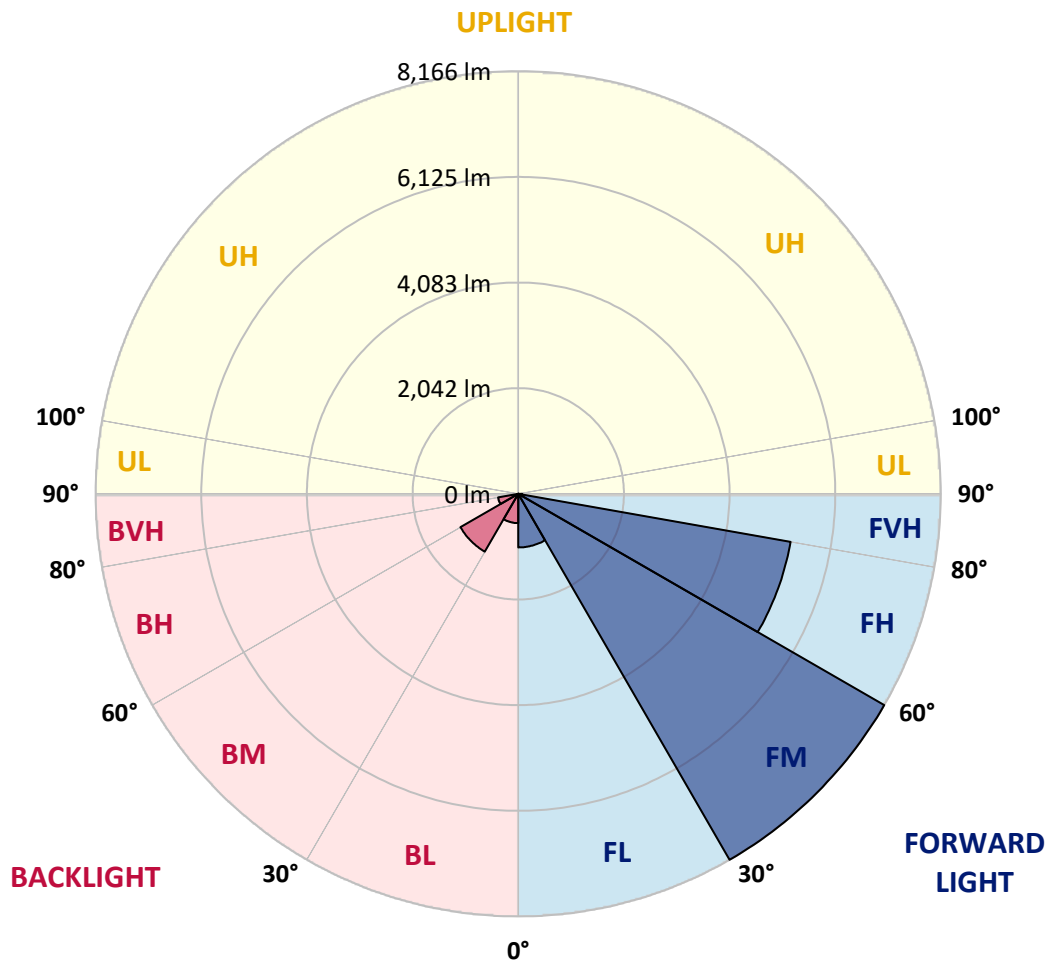
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1036.6 | 6.1 | | | |
| FM (30°-60°) | 8166.0 | 48.4 | | | |
| FH (60°-80°) | 5343.5 | 31.7 | | | G3/7500 |
| FVH (80°-90°) | 75.7 | 0.4 | | | G1/100 |
| BL (0°-30°) | 566.7 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1290.4 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 396.2 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.9 | 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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 |
| 2.5° | 1956.4 | 1970.0 | 1966.6 | 1963.2 | 1962.1 | 1964.3 | 1965.5 | 1964.3 | 1964.3 | 1964.3 |
| 5° | 1919.1 | 1930.4 | 1930.4 | 1938.3 | 1949.6 | 1963.2 | 1973.4 | 1975.6 | 1977.9 | 1981.3 |
| 7.5° | 1847.8 | 1856.8 | 1863.6 | 1889.7 | 1917.9 | 1954.2 | 1984.7 | 2000.5 | 2002.8 | 2015.3 |
| 10° | 1799.1 | 1810.4 | 1821.8 | 1848.9 | 1889.7 | 1944.0 | 1996.0 | 2034.5 | 2040.1 | 2069.6 |
| 12.5° | 1796.9 | 1808.2 | 1822.9 | 1852.3 | 1899.8 | 1957.5 | 2020.9 | 2076.4 | 2086.5 | 2129.5 |
| 15° | 1820.6 | 1834.2 | 1847.8 | 1884.0 | 1934.9 | 2005.1 | 2073.0 | 2142.0 | 2152.2 | 2213.3 |
| 17.5° | 1869.3 | 1887.4 | 1897.6 | 1933.8 | 1988.1 | 2066.2 | 2155.6 | 2234.8 | 2243.8 | 2315.1 |
| 20° | 1965.5 | 1987.0 | 1990.4 | 2019.8 | 2073.0 | 2156.7 | 2263.1 | 2361.5 | 2372.8 | 2454.3 |
| 22.5° | 2164.6 | 2195.2 | 2168.0 | 2182.7 | 2230.2 | 2314.0 | 2429.4 | 2553.9 | 2569.7 | 2662.5 |
| 25° | 2515.4 | 2558.4 | 2488.2 | 2463.3 | 2483.7 | 2570.8 | 2715.7 | 2873.0 | 2891.1 | 2965.7 |
| 27.5° | 3204.5 | 3149.0 | 3042.7 | 2938.6 | 2877.5 | 2927.3 | 3090.2 | 3284.8 | 3307.5 | 3379.9 |
| 30° | 3961.5 | 3912.8 | 3769.1 | 3538.3 | 3393.5 | 3385.5 | 3536.0 | 3753.3 | 3779.3 | 3848.3 |
| 32.5° | 4719.6 | 4673.2 | 4517.1 | 4233.1 | 3981.9 | 3857.4 | 3961.5 | 4202.5 | 4216.1 | 4260.2 |
| 35° | 5465.3 | 5417.8 | 5261.6 | 4970.8 | 4661.9 | 4379.0 | 4358.7 | 4630.2 | 4634.7 | 4681.1 |
| 37.5° | 6215.5 | 6175.9 | 6009.6 | 5724.4 | 5420.0 | 5029.6 | 4840.7 | 5035.3 | 5041.0 | 5086.2 |
| 40° | 6750.7 | 6767.7 | 6653.4 | 6432.7 | 6171.4 | 5744.8 | 5381.6 | 5466.4 | 5432.5 | 5508.3 |
| 42.5° | 7210.1 | 7244.0 | 7144.5 | 7033.6 | 6882.0 | 6506.3 | 6051.4 | 6036.7 | 5982.4 | 6023.1 |
| 45° | 7607.3 | 7635.6 | 7546.2 | 7520.1 | 7516.7 | 7253.1 | 6783.5 | 6695.3 | 6619.4 | 6611.5 |
| 47.5° | 7753.2 | 7807.6 | 7846.0 | 7933.2 | 8102.9 | 7992.0 | 7540.5 | 7403.6 | 7318.7 | 7256.5 |
| 50° | 7808.7 | 7866.4 | 7997.6 | 8251.1 | 8652.8 | 8700.3 | 8294.1 | 8140.2 | 8036.1 | 7923.0 |
| 52.5° | 7734.0 | 7837.0 | 8013.5 | 8440.1 | 9022.8 | 9268.4 | 9017.2 | 8882.5 | 8763.7 | 8579.3 |
| 55° | 7293.8 | 7396.8 | 7757.8 | 8437.8 | 9207.3 | 9666.7 | 9700.6 | 9640.6 | 9507.1 | 9216.3 |
| 57.5° | 6366.0 | 6518.7 | 7090.2 | 8150.4 | 9203.9 | 10009.5 | 10370.5 | 10413.5 | 10264.1 | 9847.7 |
| 60° | 5080.6 | 5287.6 | 5984.7 | 7513.4 | 8919.8 | 10195.1 | 10957.7 | 11172.7 | 11014.3 | 10470.0 |
| 62.5° | 3545.1 | 3785.0 | 4444.6 | 6515.3 | 8270.3 | 10061.6 | 11386.6 | 11783.7 | 11663.8 | 11026.8 |
| 65° | 2162.4 | 2239.3 | 2771.1 | 5127.0 | 7166.0 | 9502.6 | 11519.0 | 12114.2 | 12074.5 | 11367.3 |
| 67.5° | 1440.4 | 1504.9 | 1657.7 | 3515.7 | 5562.6 | 8385.8 | 11202.1 | 12056.4 | 12067.8 | 11311.9 |
| 70° | 867.9 | 923.3 | 1022.9 | 2044.7 | 3605.1 | 6637.5 | 10221.1 | 11320.9 | 11386.6 | 10570.7 |
| 72.5° | 357.6 | 394.9 | 485.4 | 926.7 | 1867.0 | 4212.7 | 8139.1 | 9719.8 | 9872.6 | 8888.2 |
| 75° | 202.5 | 221.8 | 285.1 | 465.1 | 810.2 | 1963.2 | 4930.1 | 6900.1 | 7125.2 | 6126.1 |
| 77.5° | 134.7 | 143.7 | 184.4 | 301.0 | 456.0 | 669.9 | 2106.9 | 3594.9 | 4024.8 | 3345.9 |
| 80° | 90.5 | 98.4 | 126.7 | 201.4 | 296.5 | 287.4 | 671.0 | 1331.8 | 1638.5 | 1149.6 |
| 82.5° | 61.1 | 62.2 | 90.5 | 132.4 | 187.8 | 139.2 | 198.0 | 414.1 | 520.5 | 332.7 |
| 85° | 35.1 | 33.9 | 66.8 | 76.9 | 83.7 | 57.7 | 60.0 | 124.5 | 162.9 | 140.3 |
| 87.5° | 4.5 | 6.8 | 26.0 | 20.4 | 11.3 | 12.4 | 12.4 | 21.5 | 31.7 | 33.9 |
| 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-SB7A-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1963.2 | 0° | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 | 1963.2 |
| 1965.5 | 2.5° | 1965.5 | 1964.3 | 1960.9 | 1957.5 | 1949.6 | 1945.1 | 1947.4 | 1945.1 | 1944.0 | 1945.1 |
| 1980.2 | 5° | 1980.2 | 1976.8 | 1967.7 | 1956.4 | 1940.6 | 1921.3 | 1908.9 | 1890.8 | 1873.8 | 1863.6 |
| 2019.8 | 7.5° | 2019.8 | 2016.4 | 2003.9 | 1972.3 | 1921.3 | 1841.0 | 1767.4 | 1703.0 | 1654.3 | 1626.0 |
| 2083.1 | 10° | 2083.1 | 2077.5 | 2058.3 | 1988.1 | 1854.6 | 1679.2 | 1533.2 | 1412.1 | 1332.9 | 1295.6 |
| 2157.8 | 12.5° | 2157.8 | 2151.0 | 2117.1 | 1973.4 | 1727.8 | 1454.0 | 1252.6 | 1118.0 | 1044.4 | 1011.6 |
| 2243.8 | 15° | 2246.1 | 2237.0 | 2170.3 | 1903.2 | 1543.4 | 1205.1 | 1020.6 | 919.9 | 872.4 | 843.0 |
| 2353.6 | 17.5° | 2355.8 | 2340.0 | 2209.9 | 1798.0 | 1343.1 | 1015.0 | 878.1 | 802.3 | 760.4 | 732.1 |
| 2497.3 | 20° | 2498.4 | 2472.4 | 2241.6 | 1672.4 | 1158.7 | 895.0 | 781.9 | 718.5 | 686.8 | 661.9 |
| 2701.0 | 22.5° | 2697.6 | 2660.2 | 2280.0 | 1536.6 | 1028.6 | 812.4 | 710.6 | 664.2 | 638.2 | 609.9 |
| 2985.0 | 25° | 2944.2 | 2900.1 | 2327.6 | 1411.0 | 939.2 | 741.2 | 658.5 | 620.1 | 589.5 | 556.7 |
| 3357.2 | 27.5° | 3289.4 | 3210.1 | 2384.1 | 1308.0 | 862.2 | 680.0 | 611.0 | 568.0 | 533.0 | 505.8 |
| 3779.3 | 30° | 3674.1 | 3543.9 | 2433.9 | 1245.8 | 792.1 | 623.5 | 548.8 | 505.8 | 473.0 | 453.7 |
| 4158.4 | 32.5° | 4038.4 | 3861.9 | 2466.7 | 1218.7 | 728.7 | 559.0 | 480.9 | 434.5 | 409.6 | 404.0 |
| 4529.5 | 35° | 4382.4 | 4149.3 | 2463.3 | 1192.6 | 672.1 | 494.5 | 414.1 | 366.6 | 347.4 | 350.8 |
| 4928.9 | 37.5° | 4778.4 | 4456.0 | 2439.6 | 1151.9 | 625.7 | 435.6 | 356.4 | 314.6 | 297.6 | 298.7 |
| 5414.4 | 40° | 5239.0 | 4810.1 | 2424.9 | 1075.0 | 574.8 | 381.3 | 308.9 | 275.0 | 262.5 | 258.0 |
| 5925.8 | 42.5° | 5730.1 | 5153.0 | 2427.1 | 987.8 | 511.5 | 332.7 | 276.1 | 247.8 | 236.5 | 233.1 |
| 6495.0 | 45° | 6223.4 | 5480.0 | 2430.5 | 897.3 | 444.7 | 295.3 | 252.3 | 228.6 | 221.8 | 217.3 |
| 7072.1 | 47.5° | 6687.3 | 5758.4 | 2367.2 | 800.0 | 379.1 | 267.0 | 233.1 | 217.3 | 211.6 | 205.9 |
| 7651.4 | 50° | 7119.6 | 5943.9 | 2214.4 | 686.8 | 327.0 | 244.4 | 218.4 | 207.1 | 201.4 | 195.8 |
| 8176.4 | 52.5° | 7455.6 | 5973.3 | 1962.1 | 570.3 | 290.8 | 227.4 | 209.3 | 199.1 | 192.4 | 186.7 |
| 8600.8 | 55° | 7605.0 | 5788.9 | 1603.4 | 461.7 | 262.5 | 212.7 | 200.3 | 190.1 | 182.2 | 176.5 |
| 8934.6 | 57.5° | 7566.5 | 5400.8 | 1250.3 | 371.1 | 235.4 | 198.0 | 189.0 | 182.2 | 173.1 | 164.1 |
| 9205.0 | 60° | 7377.6 | 4881.4 | 942.6 | 308.9 | 210.5 | 182.2 | 176.5 | 170.9 | 158.4 | 144.8 |
| 9309.1 | 62.5° | 7050.6 | 4228.5 | 672.1 | 255.7 | 183.3 | 164.1 | 161.8 | 157.3 | 139.2 | 114.3 |
| 9155.2 | 65° | 6550.4 | 3435.3 | 452.6 | 212.7 | 157.3 | 143.7 | 144.8 | 136.9 | 113.2 | 84.9 |
| 8591.7 | 67.5° | 5819.5 | 2512.0 | 289.7 | 174.3 | 131.3 | 119.9 | 121.1 | 116.5 | 96.2 | 72.4 |
| 7523.5 | 70° | 4888.2 | 1663.3 | 189.0 | 132.4 | 105.2 | 92.8 | 99.6 | 100.7 | 81.5 | 58.8 |
| 5774.2 | 72.5° | 3583.6 | 982.2 | 132.4 | 98.4 | 76.9 | 64.5 | 81.5 | 83.7 | 65.6 | 44.1 |
| 3473.8 | 75° | 2042.4 | 466.2 | 99.6 | 71.3 | 47.5 | 45.3 | 63.4 | 63.4 | 45.3 | 29.4 |
| 1503.8 | 77.5° | 857.7 | 194.6 | 70.2 | 46.4 | 27.2 | 26.0 | 43.0 | 39.6 | 22.6 | 13.6 |
| 366.6 | 80° | 247.8 | 87.1 | 37.3 | 22.6 | 11.3 | 10.2 | 17.0 | 12.4 | 5.7 | 2.3 |
| 139.2 | 82.5° | 97.3 | 38.5 | 14.7 | 9.1 | 4.5 | 4.5 | 2.3 | 0.0 | 0.0 | 0.0 |
| 79.2 | 85° | 57.7 | 15.8 | 6.8 | 3.4 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.0 | 87.5° | 14.7 | 3.4 | 2.3 | 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° |
| 1963.2 |
| 1949.6 |
| 1865.9 |
| 1627.1 |
| 1292.2 |
| 1008.2 |
| 844.1 |
| 729.8 |
| 657.4 |
| 605.4 |
| 553.3 |
| 500.1 |
| 450.3 |
| 407.4 |
| 350.8 |
| 303.2 |
| 256.9 |
| 232.0 |
| 217.3 |
| 205.9 |
| 195.8 |
| 185.6 |
| 175.4 |
| 162.9 |
| 142.6 |
| 112.0 |
| 82.6 |
| 69.0 |
| 56.6 |
| 41.9 |
| 27.2 |
| 13.6 |
| 2.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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