

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: P847937

Luminaire Tested: **GLAN-SB4B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847937
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-SB4B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 450mA 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: 17369 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

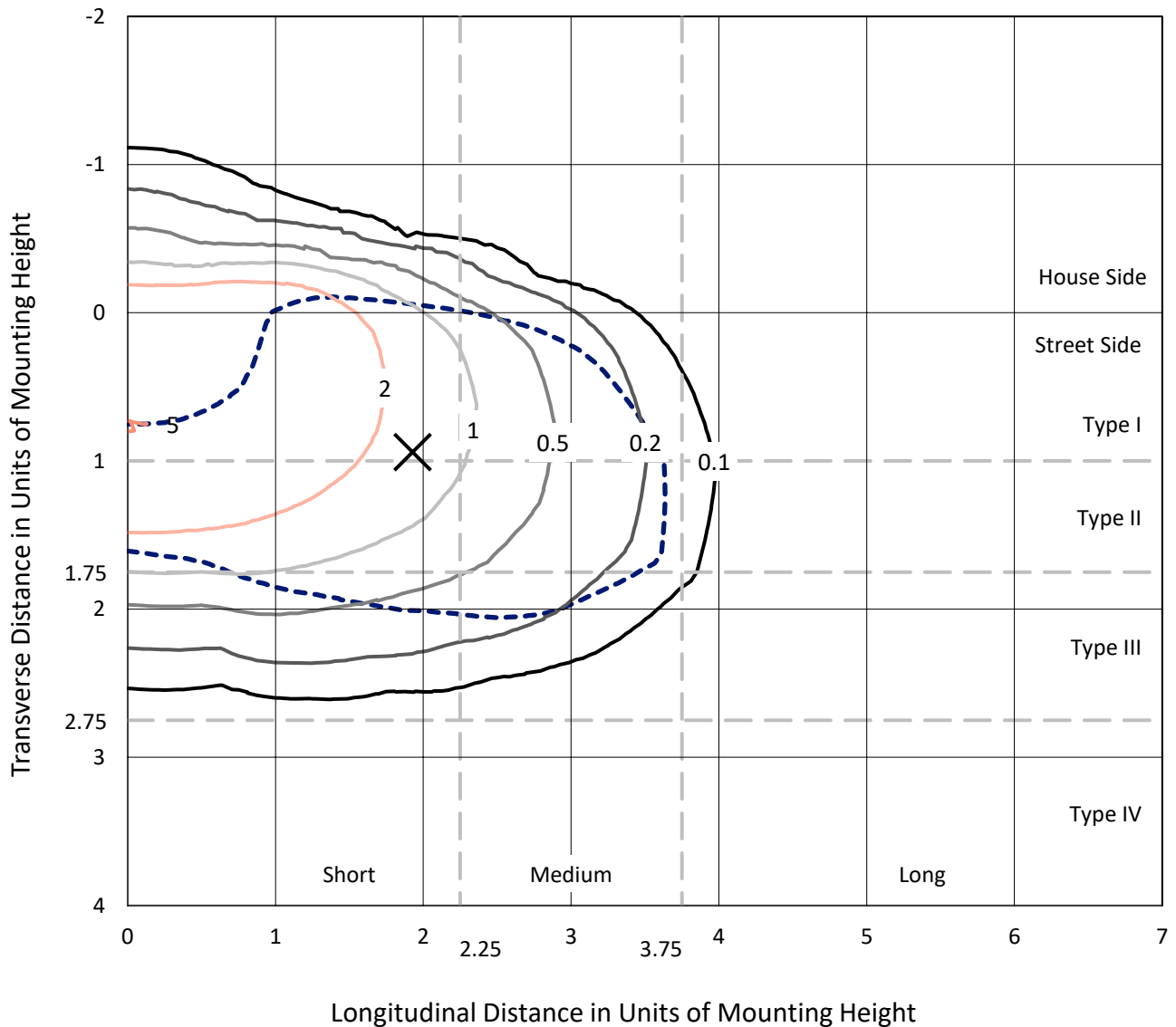
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

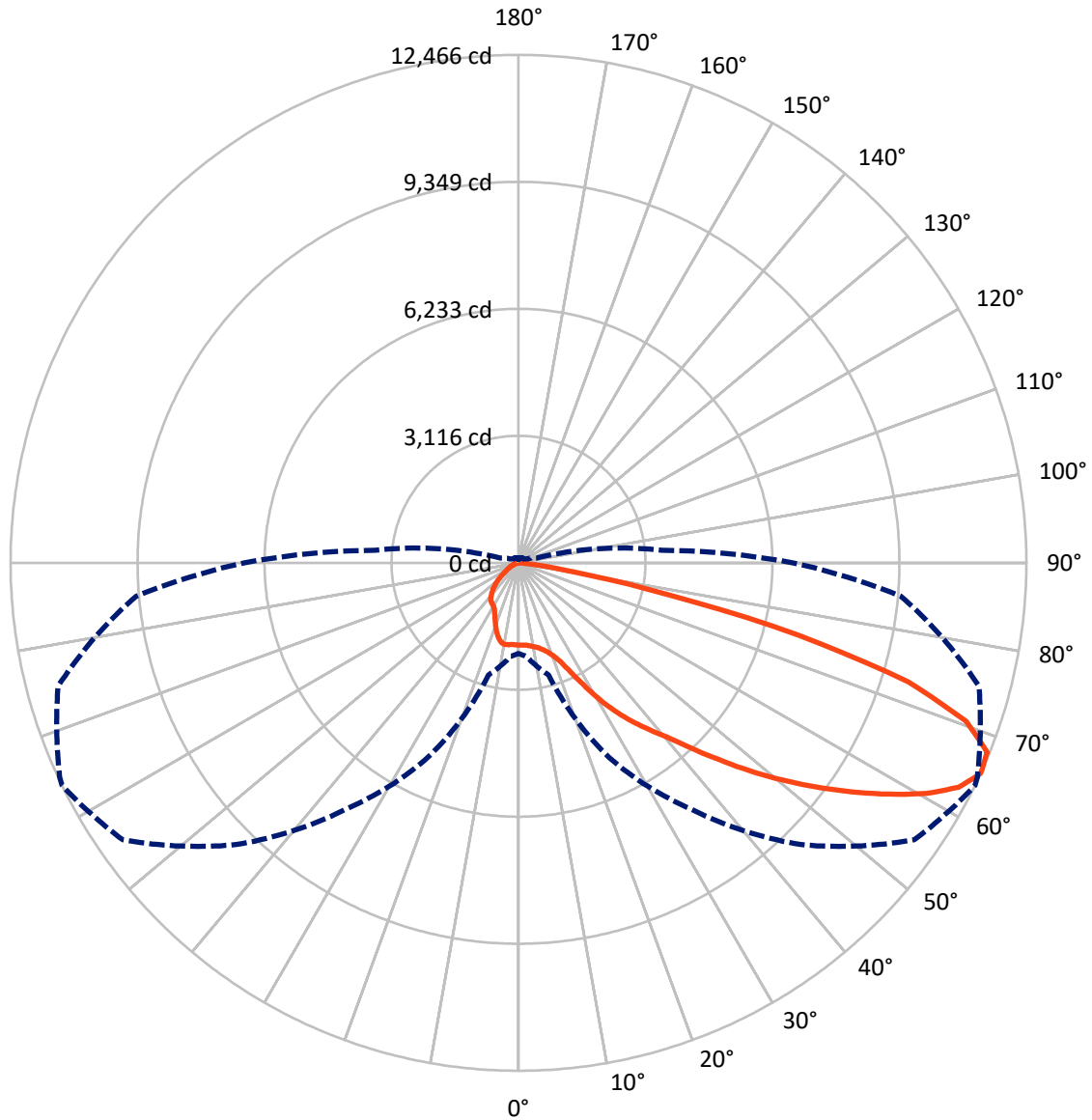
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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 | 2322.8 | 0.0 | 2322.8 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 15046.2 | 0.0 | 15046.2 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 17369.0 | 0.0 | 17369.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 186.4 | 1.1 |
| 10°-20° | 505.5 | 2.9 |
| 20°-30° | 957.9 | 5.5 |
| 30°-40° | 1938.4 | 11.2 |
| 40°-50° | 3302.1 | 19.0 |
| 50°-60° | 4490.6 | 25.9 |
| 60°-70° | 4216.8 | 24.3 |
| 70°-80° | 1689.5 | 9.7 |
| 80°-90° | 81.9 | 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° | 17369.0 | 100.0 |
| 0°-180° | 17369.0 | 100.0 |

Coefficient of Utilization



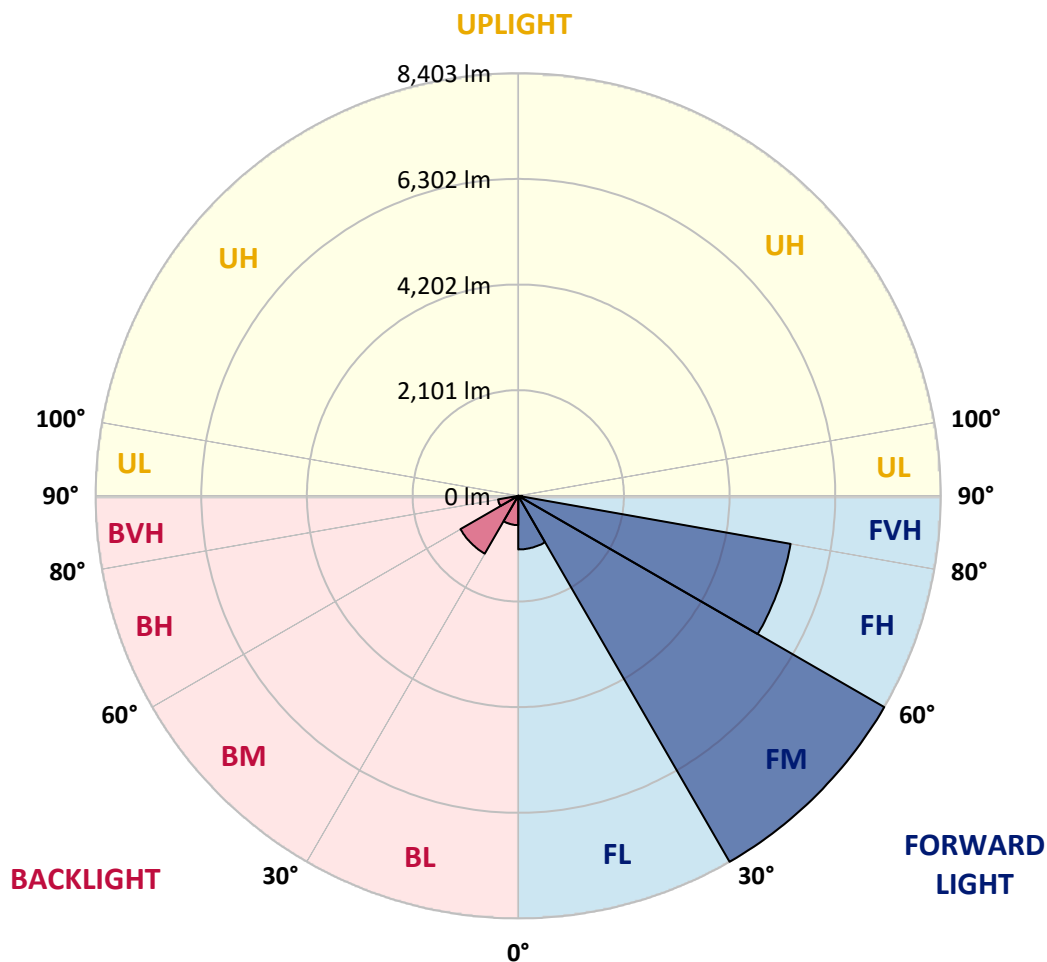
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1066.7 | 6.1 | | | |
| FM (30°-60°) | 8403.1 | 48.4 | | | |
| FH (60°-80°) | 5498.6 | 31.7 | | | G3/7500 |
| FVH (80°-90°) | 77.9 | 0.4 | | | G1/100 |
| BL (0°-30°) | 583.2 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1327.9 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 407.7 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.0 | 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° | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 |
| 2.5° | 2013.2 | 2027.2 | 2023.7 | 2020.2 | 2019.0 | 2021.4 | 2022.5 | 2021.4 | 2021.4 | 2021.4 |
| 5° | 1974.8 | 1986.4 | 1986.4 | 1994.6 | 2006.2 | 2020.2 | 2030.7 | 2033.0 | 2035.3 | 2038.8 |
| 7.5° | 1901.4 | 1910.7 | 1917.7 | 1944.5 | 1973.6 | 2010.9 | 2042.3 | 2058.6 | 2060.9 | 2073.8 |
| 10° | 1851.4 | 1863.0 | 1874.6 | 1902.6 | 1944.5 | 2000.4 | 2054.0 | 2093.6 | 2099.4 | 2129.6 |
| 12.5° | 1849.0 | 1860.7 | 1875.8 | 1906.1 | 1955.0 | 2014.4 | 2079.6 | 2136.6 | 2147.1 | 2191.4 |
| 15° | 1873.5 | 1887.5 | 1901.4 | 1938.7 | 1991.1 | 2063.3 | 2133.1 | 2204.2 | 2214.6 | 2277.5 |
| 17.5° | 1923.6 | 1942.2 | 1952.7 | 1989.9 | 2045.8 | 2126.2 | 2218.1 | 2299.6 | 2309.0 | 2382.3 |
| 20° | 2022.5 | 2044.6 | 2048.1 | 2078.4 | 2133.1 | 2219.3 | 2328.8 | 2430.1 | 2441.7 | 2525.5 |
| 22.5° | 2227.5 | 2258.9 | 2230.9 | 2246.1 | 2295.0 | 2381.2 | 2499.9 | 2628.0 | 2644.3 | 2739.8 |
| 25° | 2588.4 | 2632.7 | 2560.5 | 2534.8 | 2555.8 | 2645.5 | 2794.5 | 2956.4 | 2975.0 | 3051.8 |
| 27.5° | 3297.5 | 3240.5 | 3131.0 | 3023.9 | 2961.0 | 3012.2 | 3179.9 | 3380.2 | 3403.5 | 3478.0 |
| 30° | 4076.5 | 4026.4 | 3878.5 | 3641.0 | 3492.0 | 3483.8 | 3638.7 | 3862.2 | 3889.0 | 3960.0 |
| 32.5° | 4856.6 | 4808.9 | 4648.2 | 4355.9 | 4097.4 | 3969.4 | 4076.5 | 4324.5 | 4338.5 | 4383.9 |
| 35° | 5623.9 | 5575.0 | 5414.4 | 5115.1 | 4797.2 | 4506.1 | 4485.2 | 4764.6 | 4769.3 | 4817.0 |
| 37.5° | 6395.9 | 6355.2 | 6184.0 | 5890.6 | 5577.4 | 5175.7 | 4981.2 | 5181.5 | 5187.3 | 5233.9 |
| 40° | 6946.7 | 6964.1 | 6846.5 | 6619.5 | 6350.5 | 5911.5 | 5537.8 | 5625.1 | 5590.2 | 5668.2 |
| 42.5° | 7419.4 | 7454.3 | 7351.9 | 7237.8 | 7081.7 | 6695.2 | 6227.1 | 6212.0 | 6156.1 | 6198.0 |
| 45° | 7828.1 | 7857.2 | 7765.2 | 7738.5 | 7735.0 | 7463.7 | 6980.4 | 6889.6 | 6811.6 | 6803.5 |
| 47.5° | 7978.3 | 8034.2 | 8073.8 | 8163.5 | 8338.1 | 8224.0 | 7759.4 | 7618.5 | 7531.2 | 7467.2 |
| 50° | 8035.4 | 8094.8 | 8229.8 | 8490.6 | 8904.0 | 8952.9 | 8534.9 | 8376.5 | 8269.4 | 8153.0 |
| 52.5° | 7958.5 | 8064.5 | 8246.1 | 8685.1 | 9284.7 | 9537.4 | 9278.9 | 9140.4 | 9018.1 | 8828.3 |
| 55° | 7505.6 | 7611.5 | 7983.0 | 8682.8 | 9474.5 | 9947.3 | 9982.2 | 9920.5 | 9783.1 | 9483.9 |
| 57.5° | 6550.8 | 6708.0 | 7296.0 | 8387.0 | 9471.0 | 10300.1 | 10671.5 | 10715.8 | 10562.1 | 10133.6 |
| 60° | 5228.1 | 5441.1 | 6158.4 | 7731.5 | 9178.8 | 10491.0 | 11275.8 | 11497.1 | 11334.1 | 10774.0 |
| 62.5° | 3648.0 | 3894.8 | 4573.7 | 6704.5 | 8510.4 | 10353.6 | 11717.1 | 12125.8 | 12002.4 | 11346.9 |
| 65° | 2225.1 | 2304.3 | 2851.6 | 5275.8 | 7374.0 | 9778.4 | 11853.4 | 12465.8 | 12425.1 | 11697.3 |
| 67.5° | 1482.3 | 1548.6 | 1705.8 | 3617.7 | 5724.1 | 8629.2 | 11527.3 | 12406.4 | 12418.1 | 11640.3 |
| 70° | 893.1 | 950.1 | 1052.6 | 2104.0 | 3709.7 | 6830.2 | 10517.8 | 11649.6 | 11717.1 | 10877.6 |
| 72.5° | 367.9 | 406.4 | 499.5 | 953.6 | 1921.2 | 4335.0 | 8375.4 | 10002.0 | 10159.2 | 9146.2 |
| 75° | 208.4 | 228.2 | 293.4 | 478.6 | 833.7 | 2020.2 | 5073.2 | 7100.4 | 7332.1 | 6303.9 |
| 77.5° | 138.6 | 147.9 | 189.8 | 309.7 | 469.2 | 689.3 | 2168.1 | 3699.2 | 4141.7 | 3443.1 |
| 80° | 93.2 | 101.3 | 130.4 | 207.3 | 305.1 | 295.8 | 690.5 | 1370.5 | 1686.0 | 1183.0 |
| 82.5° | 62.9 | 64.0 | 93.2 | 136.2 | 193.3 | 143.2 | 203.8 | 426.2 | 535.6 | 342.3 |
| 85° | 36.1 | 34.9 | 68.7 | 79.2 | 86.2 | 59.4 | 61.7 | 128.1 | 167.7 | 144.4 |
| 87.5° | 4.7 | 7.0 | 26.8 | 21.0 | 11.6 | 12.8 | 12.8 | 22.1 | 32.6 | 34.9 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2020.2 | 0° | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 | 2020.2 |
| 2022.5 | 2.5° | 2022.5 | 2021.4 | 2017.9 | 2014.4 | 2006.2 | 2001.6 | 2003.9 | 2001.6 | 2000.4 | 2001.6 |
| 2037.7 | 5° | 2037.7 | 2034.2 | 2024.9 | 2013.2 | 1996.9 | 1977.1 | 1964.3 | 1945.7 | 1928.2 | 1917.7 |
| 2078.4 | 7.5° | 2078.4 | 2074.9 | 2062.1 | 2029.5 | 1977.1 | 1894.4 | 1818.8 | 1752.4 | 1702.3 | 1673.2 |
| 2143.6 | 10° | 2143.6 | 2137.8 | 2118.0 | 2045.8 | 1908.4 | 1727.9 | 1577.7 | 1453.1 | 1371.6 | 1333.2 |
| 2220.5 | 12.5° | 2220.5 | 2213.5 | 2178.6 | 2030.7 | 1778.0 | 1496.2 | 1289.0 | 1150.4 | 1074.7 | 1041.0 |
| 2309.0 | 15° | 2311.3 | 2302.0 | 2233.3 | 1958.5 | 1588.2 | 1240.1 | 1050.3 | 946.6 | 897.7 | 867.5 |
| 2421.9 | 17.5° | 2424.2 | 2407.9 | 2274.0 | 1850.2 | 1382.1 | 1044.4 | 903.6 | 825.5 | 782.5 | 753.4 |
| 2569.8 | 20° | 2570.9 | 2544.2 | 2306.6 | 1721.0 | 1192.3 | 921.0 | 804.6 | 739.4 | 706.8 | 681.2 |
| 2779.4 | 22.5° | 2775.9 | 2737.5 | 2346.2 | 1581.2 | 1058.4 | 836.0 | 731.2 | 683.5 | 656.7 | 627.6 |
| 3071.6 | 25° | 3029.7 | 2984.3 | 2395.1 | 1452.0 | 966.4 | 762.7 | 677.7 | 638.1 | 606.6 | 572.9 |
| 3454.7 | 27.5° | 3384.8 | 3303.3 | 2453.3 | 1346.0 | 887.3 | 699.8 | 628.8 | 584.5 | 548.4 | 520.5 |
| 3889.0 | 30° | 3780.7 | 3646.8 | 2504.6 | 1282.0 | 815.1 | 641.6 | 564.7 | 520.5 | 486.7 | 466.9 |
| 4279.1 | 32.5° | 4155.7 | 3974.0 | 2538.3 | 1254.0 | 749.9 | 575.2 | 494.9 | 447.1 | 421.5 | 415.7 |
| 4661.0 | 35° | 4509.6 | 4269.8 | 2534.8 | 1227.3 | 691.6 | 508.8 | 426.2 | 377.3 | 357.5 | 361.0 |
| 5072.0 | 37.5° | 4917.2 | 4585.3 | 2510.4 | 1185.3 | 643.9 | 448.3 | 366.8 | 323.7 | 306.2 | 307.4 |
| 5571.5 | 40° | 5391.1 | 4949.8 | 2495.3 | 1106.2 | 591.5 | 392.4 | 317.9 | 282.9 | 270.1 | 265.5 |
| 6097.8 | 42.5° | 5896.4 | 5302.6 | 2497.6 | 1016.5 | 526.3 | 342.3 | 284.1 | 255.0 | 243.4 | 239.9 |
| 6683.5 | 45° | 6404.1 | 5639.1 | 2501.1 | 923.4 | 457.6 | 303.9 | 259.7 | 235.2 | 228.2 | 223.6 |
| 7277.4 | 47.5° | 6881.5 | 5925.5 | 2435.9 | 823.2 | 390.1 | 274.8 | 239.9 | 223.6 | 217.7 | 211.9 |
| 7873.5 | 50° | 7326.3 | 6116.5 | 2278.7 | 706.8 | 336.5 | 251.5 | 224.7 | 213.1 | 207.3 | 201.4 |
| 8413.8 | 52.5° | 7672.1 | 6146.7 | 2019.0 | 586.8 | 299.2 | 234.0 | 215.4 | 204.9 | 197.9 | 192.1 |
| 8850.4 | 55° | 7825.8 | 5957.0 | 1649.9 | 475.1 | 270.1 | 218.9 | 206.1 | 195.6 | 187.5 | 181.6 |
| 9193.9 | 57.5° | 7786.2 | 5557.6 | 1286.6 | 381.9 | 242.2 | 203.8 | 194.5 | 187.5 | 178.1 | 168.8 |
| 9472.2 | 60° | 7591.7 | 5023.1 | 969.9 | 317.9 | 216.6 | 187.5 | 181.6 | 175.8 | 163.0 | 149.0 |
| 9579.3 | 62.5° | 7255.2 | 4351.3 | 691.6 | 263.1 | 188.6 | 168.8 | 166.5 | 161.8 | 143.2 | 117.6 |
| 9421.0 | 65° | 6740.6 | 3535.1 | 465.8 | 218.9 | 161.8 | 147.9 | 149.0 | 140.9 | 116.4 | 87.3 |
| 8841.1 | 67.5° | 5988.4 | 2584.9 | 298.1 | 179.3 | 135.1 | 123.4 | 124.6 | 119.9 | 99.0 | 74.5 |
| 7741.9 | 70° | 5030.1 | 1711.6 | 194.5 | 136.2 | 108.3 | 95.5 | 102.5 | 103.6 | 83.8 | 60.5 |
| 5941.8 | 72.5° | 3687.6 | 1010.7 | 136.2 | 101.3 | 79.2 | 66.4 | 83.8 | 86.2 | 67.5 | 45.4 |
| 3574.6 | 75° | 2101.7 | 479.7 | 102.5 | 73.4 | 48.9 | 46.6 | 65.2 | 65.2 | 46.6 | 30.3 |
| 1547.5 | 77.5° | 882.6 | 200.3 | 72.2 | 47.7 | 27.9 | 26.8 | 44.2 | 40.8 | 23.3 | 14.0 |
| 377.3 | 80° | 255.0 | 89.7 | 38.4 | 23.3 | 11.6 | 10.5 | 17.5 | 12.8 | 5.8 | 2.3 |
| 143.2 | 82.5° | 100.1 | 39.6 | 15.1 | 9.3 | 4.7 | 4.7 | 2.3 | 0.0 | 0.0 | 0.0 |
| 81.5 | 85° | 59.4 | 16.3 | 7.0 | 3.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5 | 87.5° | 15.1 | 3.5 | 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° |
| <hr/> |
| 2020.2 |
| 2006.2 |
| 1920.1 |
| 1674.4 |
| 1329.7 |
| 1037.5 |
| 868.6 |
| 751.0 |
| 676.5 |
| 622.9 |
| 569.4 |
| 514.7 |
| 463.4 |
| 419.2 |
| 361.0 |
| 312.1 |
| 264.3 |
| 238.7 |
| 223.6 |
| 211.9 |
| 201.4 |
| 191.0 |
| 180.5 |
| 167.7 |
| 146.7 |
| 115.3 |
| 85.0 |
| 71.0 |
| 58.2 |
| 43.1 |
| 27.9 |
| 14.0 |
| 2.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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