

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: P846158

Luminaire Tested: **GLAN-SB1C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846158
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-SB1C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4828 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

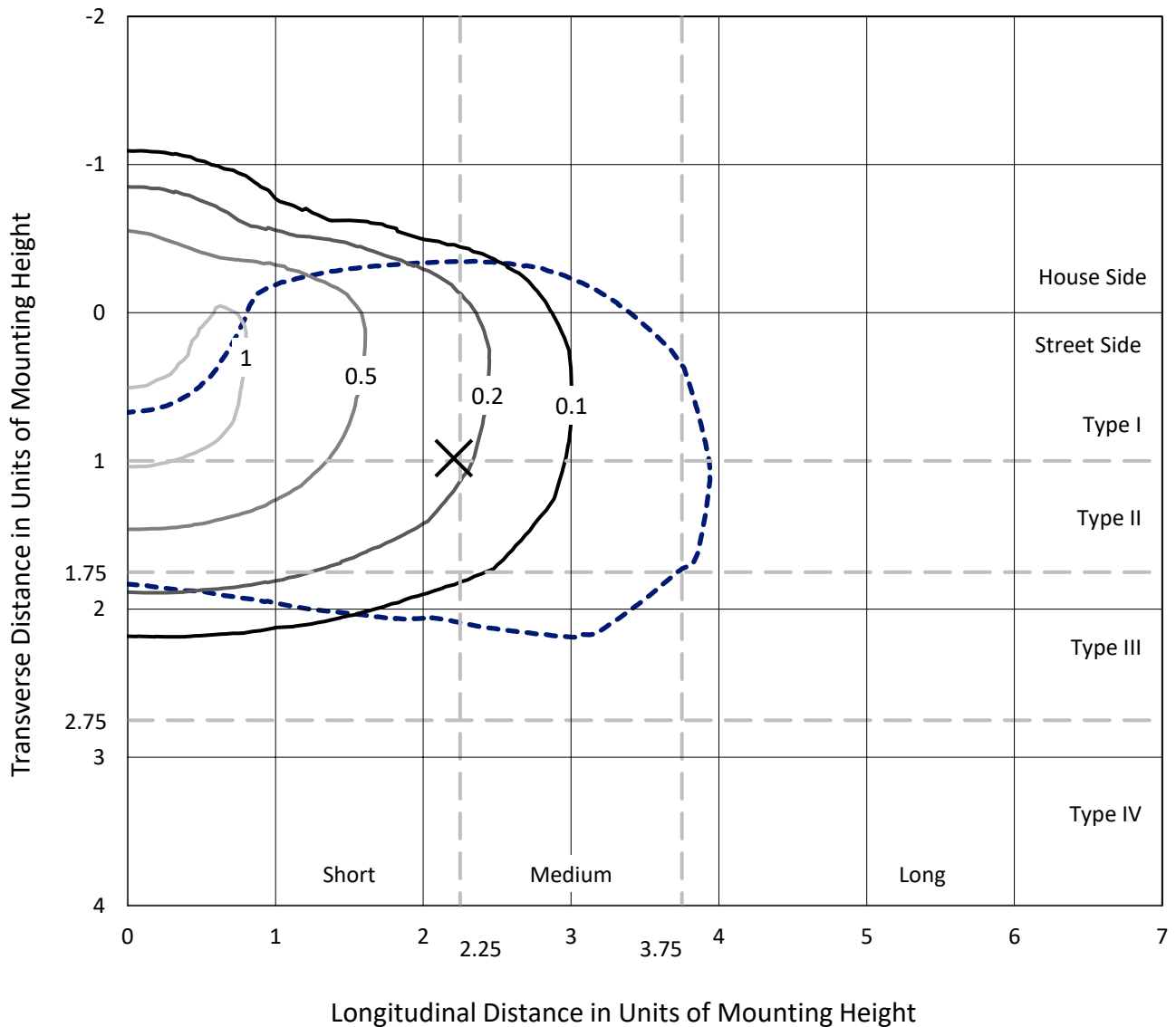
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

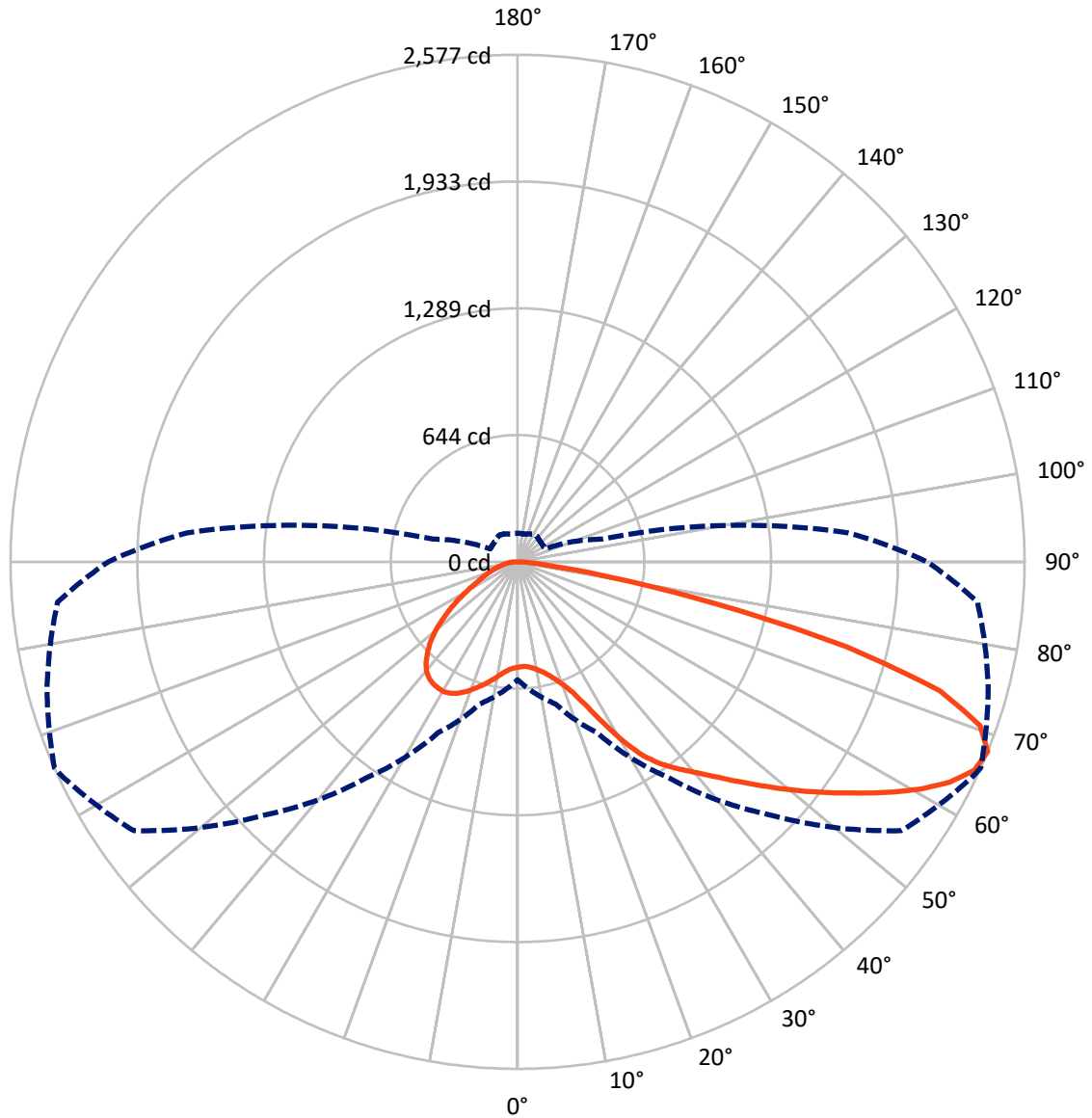
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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 | 1200.5 | 0.0 | 1200.5 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 3627.5 | 0.0 | 3627.5 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 4828.0 | 0.0 | 4828.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.1 | 1.1 |
| 10°-20° | 175.4 | 3.6 |
| 20°-30° | 338.1 | 7.0 |
| 30°-40° | 592.8 | 12.3 |
| 40°-50° | 881.3 | 18.3 |
| 50°-60° | 1117.1 | 23.1 |
| 60°-70° | 1093.1 | 22.6 |
| 70°-80° | 521.4 | 10.8 |
| 80°-90° | 55.7 | 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° | 4828.0 | 100.0 |
| 0°-180° | 4828.0 | 100.0 |

Coefficient of Utilization



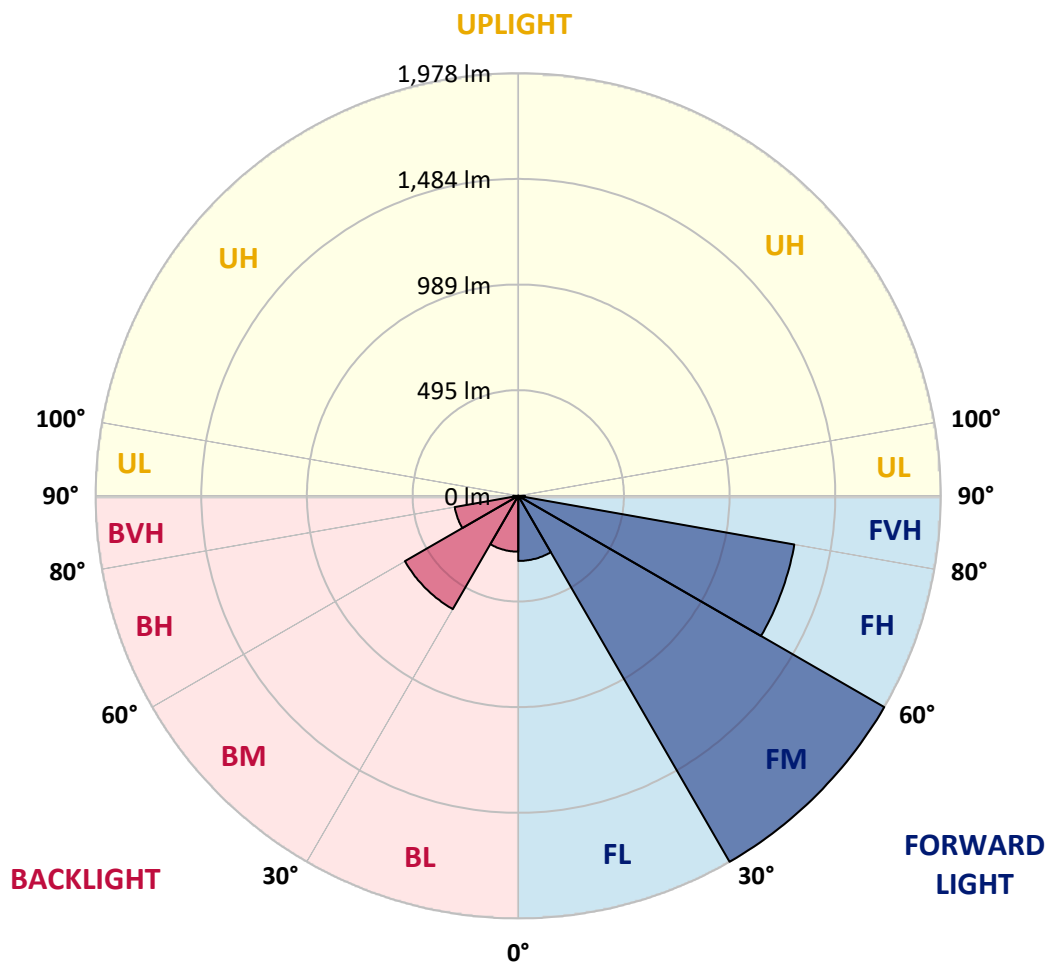
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 305.1 | 6.3 | | | |
| FM (30°-60°) | 1978.5 | 41.0 | | | |
| FH (60°-80°) | 1312.4 | 27.2 | | | G1/1800 |
| FVH (80°-90°) | 31.6 | 0.7 | | | G1/100 |
| BL (0°-30°) | 261.5 | 5.4 | B1/500 | | |
| BM (30°-60°) | 612.7 | 12.7 | B1/1000 | | |
| BH (60°-80°) | 302.1 | 6.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 24.1 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 |
| 2.5° | 529.9 | 533.0 | 532.2 | 530.9 | 530.7 | 531.2 | 531.9 | 532.7 | 532.4 | 533.7 |
| 5° | 528.4 | 531.4 | 531.2 | 531.2 | 532.2 | 534.2 | 535.5 | 536.8 | 535.5 | 537.0 |
| 7.5° | 529.4 | 531.7 | 532.7 | 533.7 | 536.3 | 540.1 | 543.1 | 545.9 | 544.4 | 546.1 |
| 10° | 542.3 | 544.1 | 545.1 | 545.1 | 546.9 | 551.2 | 554.3 | 559.3 | 558.1 | 560.9 |
| 12.5° | 565.9 | 567.7 | 567.7 | 566.7 | 568.0 | 570.7 | 571.8 | 577.3 | 575.1 | 579.6 |
| 15° | 594.8 | 598.4 | 595.6 | 593.8 | 594.3 | 597.1 | 596.9 | 601.2 | 598.9 | 602.7 |
| 17.5° | 626.8 | 631.4 | 626.8 | 626.6 | 625.5 | 628.6 | 628.8 | 632.6 | 628.6 | 631.4 |
| 20° | 664.6 | 670.9 | 667.1 | 668.4 | 666.1 | 667.4 | 668.7 | 674.2 | 667.9 | 669.9 |
| 22.5° | 717.9 | 725.5 | 721.4 | 726.2 | 724.7 | 723.7 | 723.5 | 733.3 | 723.5 | 724.2 |
| 25° | 795.5 | 804.6 | 797.5 | 804.1 | 804.1 | 807.4 | 811.2 | 823.9 | 807.4 | 802.6 |
| 27.5° | 910.2 | 919.3 | 905.3 | 909.4 | 908.1 | 916.2 | 912.2 | 943.6 | 925.9 | 918.0 |
| 30° | 1048.1 | 1064.4 | 1038.0 | 1037.0 | 1035.7 | 1048.7 | 1054.5 | 1075.3 | 1057.3 | 1049.4 |
| 32.5° | 1197.3 | 1214.3 | 1182.8 | 1173.7 | 1168.9 | 1176.8 | 1171.9 | 1188.7 | 1176.2 | 1164.1 |
| 35° | 1355.1 | 1371.8 | 1341.9 | 1324.1 | 1304.9 | 1288.4 | 1271.1 | 1275.4 | 1263.8 | 1245.2 |
| 37.5° | 1504.2 | 1534.9 | 1503.2 | 1484.2 | 1448.7 | 1416.5 | 1368.3 | 1348.2 | 1337.3 | 1320.3 |
| 40° | 1656.2 | 1673.7 | 1649.6 | 1633.4 | 1594.8 | 1544.3 | 1467.2 | 1424.8 | 1410.1 | 1393.6 |
| 42.5° | 1768.1 | 1784.8 | 1771.9 | 1760.7 | 1730.5 | 1671.9 | 1572.2 | 1519.2 | 1497.9 | 1479.4 |
| 45° | 1856.8 | 1869.3 | 1861.1 | 1865.2 | 1852.3 | 1795.4 | 1681.0 | 1620.4 | 1598.3 | 1575.8 |
| 47.5° | 1892.6 | 1905.8 | 1918.7 | 1942.8 | 1964.9 | 1923.0 | 1798.0 | 1730.0 | 1706.7 | 1683.6 |
| 50° | 1888.5 | 1902.0 | 1939.5 | 1990.8 | 2059.3 | 2045.3 | 1921.3 | 1846.7 | 1825.1 | 1798.7 |
| 52.5° | 1856.1 | 1871.3 | 1919.5 | 2004.7 | 2113.8 | 2136.9 | 2046.8 | 1967.2 | 1946.9 | 1915.4 |
| 55° | 1770.8 | 1780.0 | 1852.3 | 1973.0 | 2126.7 | 2200.8 | 2169.9 | 2095.5 | 2075.2 | 2031.4 |
| 57.5° | 1612.8 | 1626.0 | 1731.3 | 1887.5 | 2094.3 | 2244.2 | 2277.9 | 2230.5 | 2211.0 | 2147.8 |
| 60° | 1406.6 | 1427.6 | 1548.1 | 1744.0 | 2011.6 | 2243.9 | 2376.1 | 2363.2 | 2346.9 | 2262.4 |
| 62.5° | 1173.2 | 1197.6 | 1313.5 | 1541.0 | 1867.0 | 2180.3 | 2437.5 | 2474.3 | 2465.9 | 2368.2 |
| 65° | 901.0 | 917.8 | 1033.2 | 1278.5 | 1642.0 | 2043.5 | 2444.6 | 2550.1 | 2551.6 | 2448.6 |
| 67.5° | 599.9 | 648.1 | 748.3 | 959.4 | 1340.6 | 1820.1 | 2382.2 | 2562.5 | 2577.2 | 2476.3 |
| 70° | 292.7 | 356.1 | 454.3 | 623.5 | 959.4 | 1477.4 | 2219.1 | 2460.6 | 2493.3 | 2395.6 |
| 72.5° | 121.5 | 142.1 | 195.6 | 307.7 | 550.7 | 996.9 | 1891.3 | 2184.1 | 2244.7 | 2122.7 |
| 75° | 81.9 | 88.8 | 111.9 | 157.8 | 250.9 | 491.6 | 1364.0 | 1628.5 | 1726.2 | 1603.2 |
| 77.5° | 63.2 | 67.5 | 81.4 | 110.3 | 149.2 | 185.9 | 730.1 | 981.4 | 1031.9 | 955.3 |
| 80° | 49.7 | 53.0 | 60.9 | 80.4 | 105.8 | 99.4 | 248.8 | 444.7 | 473.8 | 397.5 |
| 82.5° | 43.1 | 44.4 | 43.6 | 54.5 | 70.3 | 58.1 | 81.7 | 164.1 | 181.1 | 131.4 |
| 85° | 31.2 | 34.8 | 36.3 | 33.7 | 37.3 | 29.4 | 33.5 | 58.1 | 63.9 | 57.1 |
| 87.5° | 12.7 | 18.8 | 23.1 | 21.8 | 13.7 | 8.4 | 10.4 | 17.0 | 19.5 | 21.3 |
| 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° |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 535.5 | 0° | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 |
| 535.7 | 2.5° | 536.0 | 537.8 | 539.0 | 540.6 | 541.6 | 543.1 | 546.1 | 547.9 | 548.2 | 549.4 |
| 539.8 | 5° | 540.8 | 543.4 | 546.1 | 550.2 | 554.8 | 558.6 | 564.4 | 568.5 | 570.0 | 571.3 |
| 549.7 | 7.5° | 551.2 | 554.8 | 559.8 | 566.9 | 573.5 | 578.6 | 585.7 | 590.5 | 595.4 | 597.1 |
| 565.4 | 10° | 566.7 | 571.8 | 579.1 | 588.8 | 595.9 | 602.5 | 609.8 | 613.9 | 618.7 | 620.7 |
| 584.2 | 12.5° | 586.0 | 591.3 | 600.9 | 614.4 | 621.0 | 625.5 | 628.1 | 627.1 | 628.1 | 629.9 |
| 606.8 | 15° | 608.0 | 613.9 | 624.8 | 639.2 | 643.8 | 639.7 | 634.2 | 629.1 | 628.3 | 628.8 |
| 634.2 | 17.5° | 634.2 | 638.5 | 651.2 | 663.3 | 660.0 | 643.3 | 631.1 | 623.0 | 618.9 | 617.7 |
| 669.2 | 20° | 670.7 | 670.7 | 681.1 | 688.7 | 666.6 | 638.2 | 619.2 | 606.0 | 597.6 | 594.1 |
| 716.9 | 22.5° | 715.1 | 711.0 | 717.6 | 712.3 | 665.4 | 624.0 | 597.6 | 574.8 | 562.1 | 557.1 |
| 783.6 | 25° | 771.4 | 766.6 | 764.8 | 731.8 | 656.2 | 601.4 | 558.6 | 530.9 | 519.8 | 517.0 |
| 879.7 | 27.5° | 856.4 | 844.2 | 821.1 | 742.5 | 639.5 | 565.9 | 512.9 | 487.3 | 481.0 | 481.2 |
| 1003.2 | 30° | 969.5 | 945.2 | 888.6 | 744.3 | 612.1 | 515.7 | 466.2 | 448.0 | 444.9 | 446.2 |
| 1107.0 | 32.5° | 1074.3 | 1051.2 | 957.6 | 736.1 | 570.0 | 466.5 | 424.4 | 412.2 | 407.6 | 409.2 |
| 1186.1 | 35° | 1156.5 | 1150.1 | 1021.5 | 724.7 | 518.2 | 420.3 | 386.8 | 376.4 | 367.6 | 365.5 |
| 1260.7 | 37.5° | 1234.1 | 1231.5 | 1069.5 | 708.7 | 467.0 | 387.6 | 356.7 | 343.0 | 330.0 | 322.9 |
| 1343.2 | 40° | 1319.3 | 1316.8 | 1100.9 | 684.1 | 421.6 | 359.2 | 329.5 | 311.5 | 295.5 | 282.6 |
| 1436.5 | 42.5° | 1415.2 | 1400.2 | 1115.9 | 648.9 | 383.0 | 335.1 | 307.4 | 283.1 | 262.0 | 250.1 |
| 1542.0 | 45° | 1520.0 | 1486.2 | 1115.6 | 604.0 | 350.6 | 313.0 | 283.9 | 249.4 | 229.8 | 218.7 |
| 1650.4 | 47.5° | 1631.1 | 1568.4 | 1101.9 | 554.3 | 319.1 | 288.7 | 247.3 | 220.9 | 208.0 | 201.2 |
| 1768.1 | 50° | 1745.7 | 1645.3 | 1078.6 | 497.2 | 286.9 | 261.0 | 224.5 | 206.5 | 196.6 | 190.2 |
| 1884.7 | 52.5° | 1853.5 | 1715.0 | 1050.4 | 432.5 | 254.2 | 234.1 | 214.3 | 200.4 | 190.0 | 182.9 |
| 1997.9 | 55° | 1953.7 | 1775.2 | 1010.6 | 366.3 | 227.5 | 216.1 | 209.5 | 197.9 | 185.9 | 177.6 |
| 2112.8 | 57.5° | 2042.8 | 1814.2 | 941.9 | 304.1 | 208.5 | 203.7 | 204.5 | 193.5 | 179.8 | 172.7 |
| 2225.9 | 60° | 2116.8 | 1842.9 | 840.1 | 246.6 | 193.0 | 191.5 | 196.6 | 185.4 | 169.4 | 161.3 |
| 2321.6 | 62.5° | 2161.2 | 1842.4 | 715.3 | 201.9 | 179.8 | 180.4 | 186.2 | 175.3 | 159.0 | 151.4 |
| 2371.5 | 65° | 2157.4 | 1797.2 | 578.4 | 172.7 | 167.2 | 167.7 | 175.3 | 164.1 | 150.4 | 145.9 |
| 2346.4 | 67.5° | 2081.1 | 1687.1 | 443.7 | 153.7 | 153.2 | 155.5 | 164.4 | 156.5 | 145.1 | 144.6 |
| 2196.7 | 70° | 1874.3 | 1458.6 | 319.6 | 138.5 | 138.8 | 142.1 | 153.7 | 151.7 | 142.3 | 143.3 |
| 1846.9 | 72.5° | 1503.0 | 1112.1 | 214.6 | 122.5 | 122.8 | 128.1 | 143.6 | 147.9 | 139.5 | 153.0 |
| 1310.4 | 75° | 1001.0 | 693.5 | 138.0 | 105.5 | 105.8 | 112.6 | 134.7 | 140.5 | 131.9 | 152.5 |
| 681.9 | 77.5° | 481.0 | 311.8 | 99.9 | 88.8 | 88.8 | 95.1 | 116.4 | 125.8 | 112.4 | 118.5 |
| 219.2 | 80° | 166.2 | 117.2 | 78.6 | 71.5 | 70.0 | 74.3 | 98.2 | 109.1 | 96.9 | 89.3 |
| 71.5 | 82.5° | 65.4 | 60.9 | 63.2 | 55.6 | 50.5 | 53.3 | 76.4 | 90.1 | 71.3 | 64.4 |
| 40.3 | 85° | 37.5 | 39.6 | 44.6 | 36.8 | 29.2 | 32.7 | 56.1 | 64.7 | 53.8 | 47.4 |
| 13.2 | 87.5° | 10.1 | 14.0 | 20.5 | 19.0 | 13.2 | 14.0 | 26.6 | 35.8 | 30.9 | 23.8 |
| 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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| <u>180°</u> |
|-------------|
| 535.5 |
| 549.2 |
| 571.0 |
| 597.4 |
| 621.7 |
| 630.4 |
| 630.6 |
| 619.5 |
| 593.3 |
| 556.3 |
| 517.5 |
| 482.0 |
| 450.5 |
| 411.2 |
| 367.1 |
| 323.2 |
| 283.9 |
| 250.9 |
| 218.2 |
| 199.6 |
| 188.0 |
| 179.8 |
| 174.3 |
| 168.2 |
| 157.8 |
| 149.2 |
| 145.6 |
| 145.4 |
| 143.1 |
| 155.0 |
| 153.7 |
| 108.6 |
| 83.7 |
| 64.2 |
| 48.5 |
| 24.6 |
| 0.0 |

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