

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: P940225

Luminaire Tested: **GLAN-SB3A-940-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-940-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9664 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

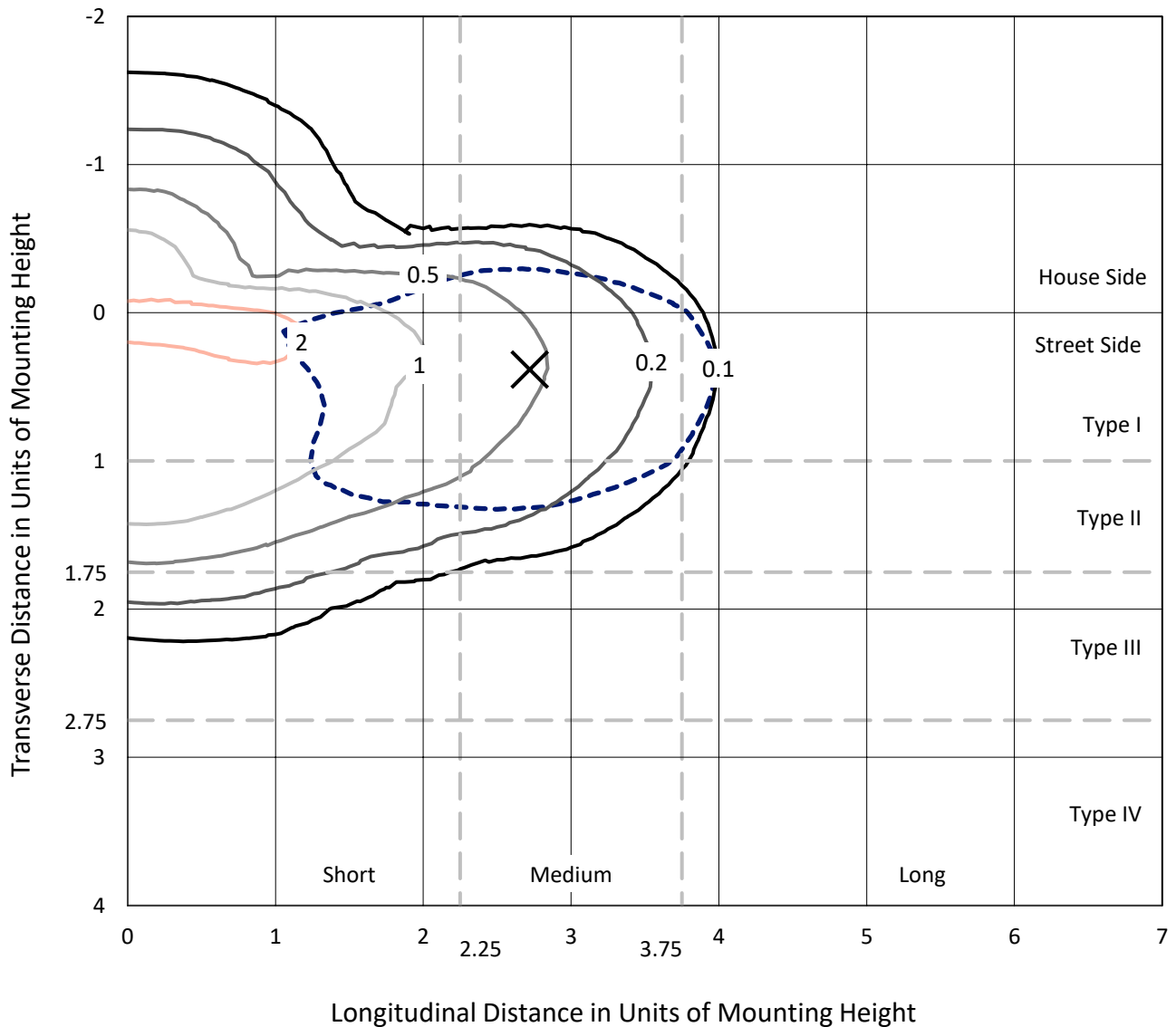
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

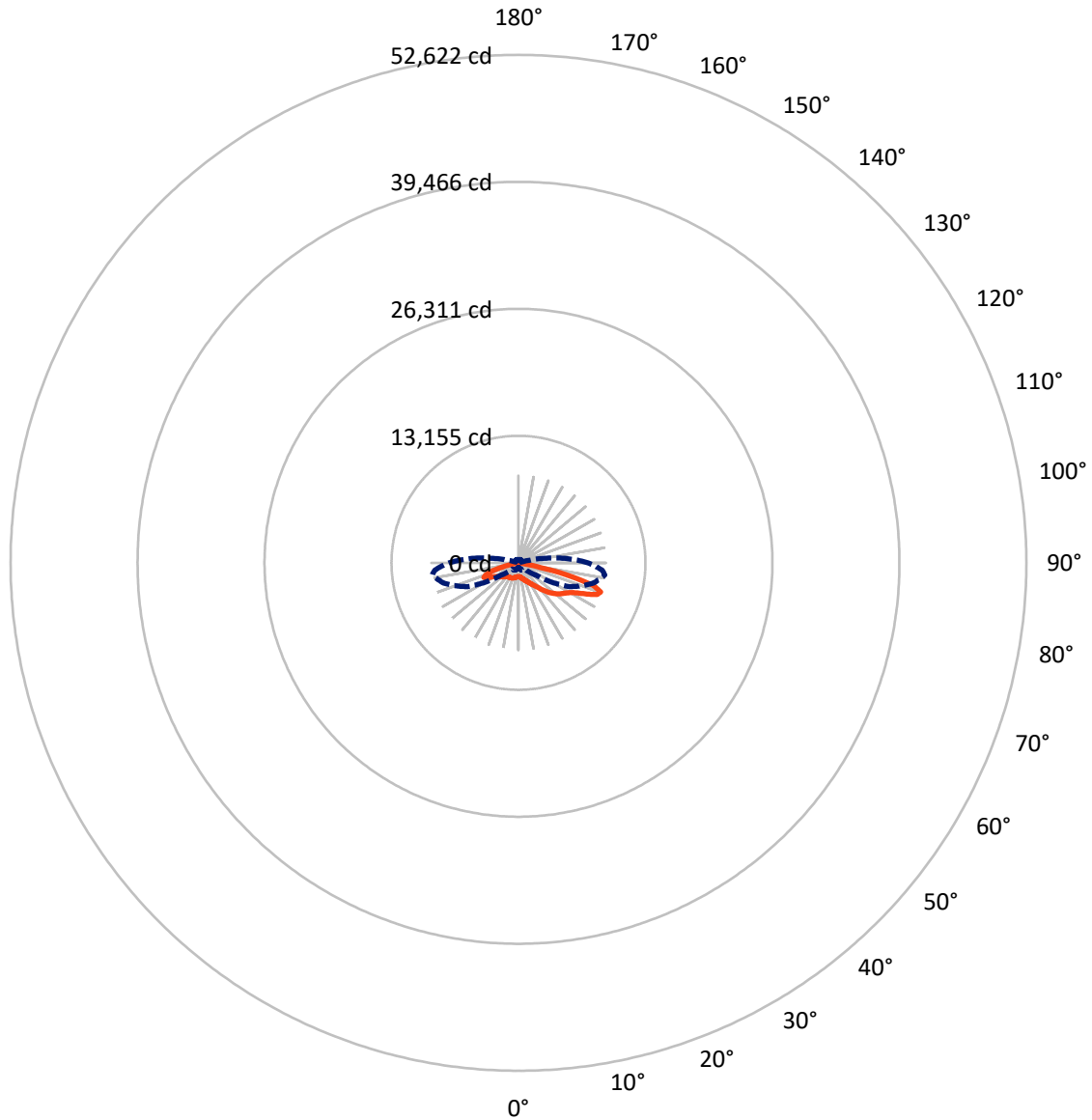
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2382.4 | 0.0 | 2382.4 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 7281.6 | 0.0 | 7281.6 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 9664.0 | 0.0 | 9664.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.8 | 1.4 |
| 10°-20° | 384.3 | 4.0 |
| 20°-30° | 643.0 | 6.7 |
| 30°-40° | 1004.5 | 10.4 |
| 40°-50° | 1599.8 | 16.6 |
| 50°-60° | 2226.3 | 23.0 |
| 60°-70° | 2328.8 | 24.1 |
| 70°-80° | 1217.2 | 12.6 |
| 80°-90° | 126.4 | 1.3 |
| 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° | 9664.0 | 100.0 |
| 0°-180° | 9664.0 | 100.0 |

Coefficient of Utilization

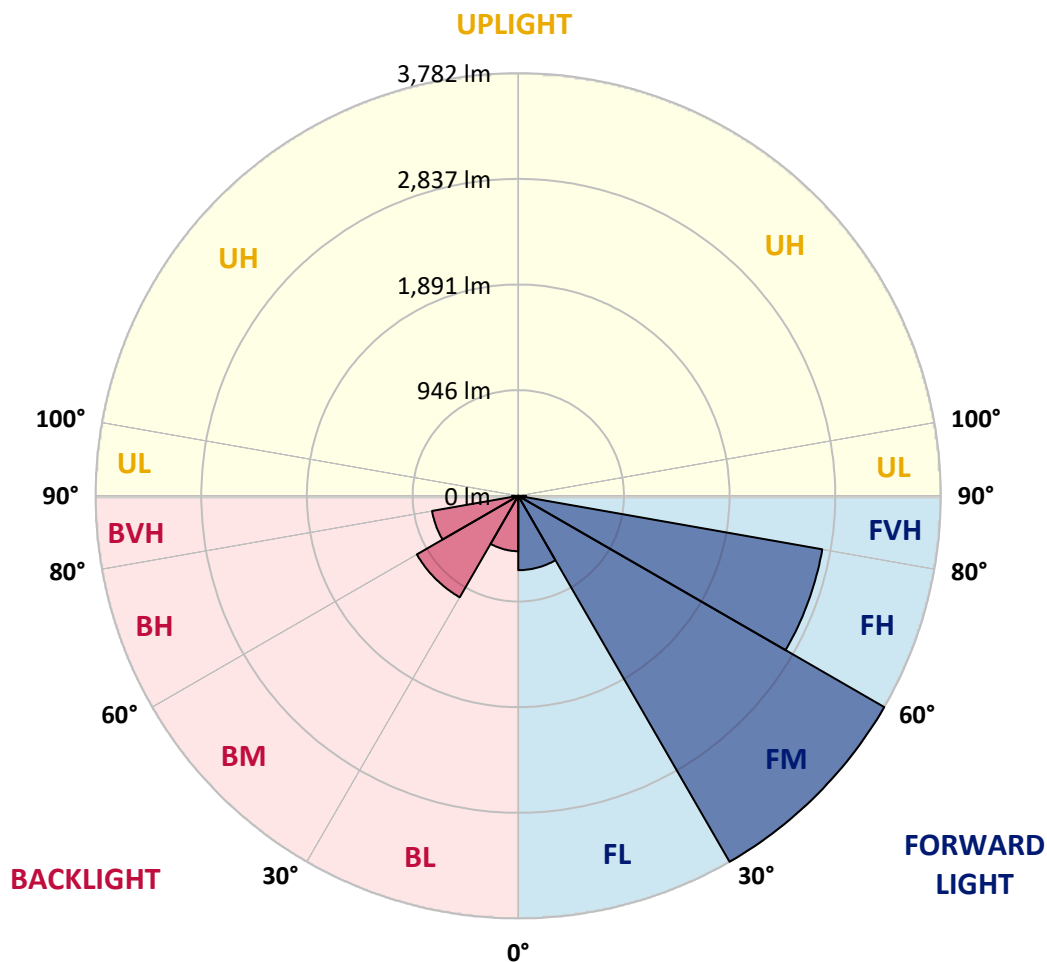


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 665.5 | 6.9 | | | |
| FM (30°-60°) | 3782.4 | 39.1 | | | |
| FH (60°-80°) | 2763.0 | 28.6 | | | G2/5000 |
| FVH (80°-90°) | 70.8 | 0.7 | | | G1/100 |
| BL (0°-30°) | 495.6 | 5.1 | B1/500 | | |
| BM (30°-60°) | 1048.2 | 10.8 | B2/2500 | | |
| BH (60°-80°) | 783.0 | 8.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 55.6 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 |
| 2.5° | 1450.7 | 1458.9 | 1456.3 | 1453.8 | 1453.8 | 1450.2 | 1449.7 | 1444.6 | 1440.5 | 1433.8 |
| 5° | 1469.2 | 1477.9 | 1476.9 | 1478.9 | 1485.6 | 1487.1 | 1488.7 | 1485.6 | 1477.4 | 1469.2 |
| 7.5° | 1452.8 | 1462.5 | 1465.6 | 1477.9 | 1498.4 | 1516.9 | 1530.7 | 1536.3 | 1528.7 | 1516.9 |
| 10° | 1397.4 | 1408.1 | 1418.9 | 1448.1 | 1484.6 | 1528.1 | 1565.1 | 1587.1 | 1585.6 | 1574.3 |
| 12.5° | 1285.1 | 1296.4 | 1319.4 | 1376.4 | 1443.0 | 1519.9 | 1588.7 | 1634.8 | 1650.7 | 1642.5 |
| 15° | 1195.3 | 1205.1 | 1222.5 | 1281.0 | 1367.6 | 1484.6 | 1597.4 | 1687.1 | 1727.6 | 1723.0 |
| 17.5° | 1192.8 | 1196.9 | 1207.6 | 1235.3 | 1302.0 | 1429.2 | 1588.1 | 1738.4 | 1815.8 | 1815.3 |
| 20° | 1237.9 | 1239.4 | 1245.6 | 1251.2 | 1289.2 | 1387.1 | 1564.5 | 1781.0 | 1914.8 | 1914.8 |
| 22.5° | 1300.5 | 1299.4 | 1305.6 | 1300.5 | 1318.9 | 1383.5 | 1549.7 | 1818.4 | 2025.0 | 2033.2 |
| 25° | 1394.3 | 1389.2 | 1387.6 | 1375.8 | 1379.4 | 1416.9 | 1566.1 | 1860.9 | 2155.8 | 2172.7 |
| 27.5° | 1519.4 | 1511.2 | 1505.6 | 1478.4 | 1469.2 | 1485.6 | 1616.3 | 1912.2 | 2301.4 | 2330.7 |
| 30° | 1682.5 | 1667.6 | 1659.4 | 1612.2 | 1578.9 | 1581.5 | 1692.2 | 1980.4 | 2453.7 | 2500.9 |
| 32.5° | 1905.0 | 1882.0 | 1859.9 | 1782.5 | 1721.5 | 1701.5 | 1790.2 | 2074.8 | 2618.9 | 2694.2 |
| 35° | 2154.3 | 2135.8 | 2112.2 | 1992.7 | 1898.9 | 1852.7 | 1922.5 | 2206.6 | 2812.2 | 2931.7 |
| 37.5° | 2394.3 | 2378.4 | 2389.6 | 2228.6 | 2107.6 | 2040.4 | 2095.8 | 2383.5 | 3050.6 | 3227.0 |
| 40° | 2642.5 | 2630.1 | 2631.7 | 2477.8 | 2336.8 | 2261.4 | 2306.1 | 2605.5 | 3324.0 | 3578.3 |
| 42.5° | 2912.2 | 2903.0 | 2872.2 | 2735.8 | 2577.3 | 2507.1 | 2548.1 | 2861.9 | 3617.3 | 3978.3 |
| 45° | 3214.2 | 3208.6 | 3179.9 | 3023.5 | 2841.9 | 2763.0 | 2818.3 | 3145.0 | 3912.1 | 4354.7 |
| 47.5° | 3475.2 | 3479.9 | 3476.3 | 3344.5 | 3156.3 | 3040.4 | 3106.5 | 3440.4 | 4186.5 | 4708.5 |
| 50° | 3600.9 | 3625.0 | 3660.4 | 3619.3 | 3502.4 | 3384.5 | 3397.3 | 3725.5 | 4448.0 | 5040.3 |
| 52.5° | 3535.2 | 3580.9 | 3677.3 | 3742.9 | 3788.0 | 3763.4 | 3729.1 | 4008.5 | 4694.2 | 5339.8 |
| 55° | 3290.6 | 3354.7 | 3514.7 | 3673.2 | 3903.4 | 4082.4 | 4127.5 | 4322.4 | 4934.2 | 5603.4 |
| 57.5° | 2845.0 | 2949.1 | 3092.7 | 3413.2 | 3800.9 | 4236.7 | 4592.1 | 4757.7 | 5188.5 | 5884.9 |
| 60° | 2080.9 | 2220.4 | 2398.9 | 2875.8 | 3441.9 | 4154.2 | 4987.5 | 5426.4 | 5550.0 | 6249.5 |
| 62.5° | 1331.7 | 1417.9 | 1582.0 | 2031.2 | 2681.9 | 3731.1 | 5108.5 | 6262.3 | 6162.8 | 6847.4 |
| 65° | 911.8 | 967.1 | 1117.4 | 1369.7 | 1733.8 | 2777.3 | 4784.4 | 6888.9 | 7136.1 | 7795.1 |
| 67.5° | 662.5 | 704.6 | 832.8 | 1053.8 | 1129.7 | 1643.5 | 3712.7 | 6860.2 | 8082.2 | 8771.4 |
| 70° | 483.1 | 512.8 | 620.5 | 832.8 | 869.2 | 914.3 | 2249.1 | 5831.5 | 8061.7 | 9030.9 |
| 72.5° | 357.9 | 378.4 | 450.8 | 646.1 | 703.6 | 617.4 | 1113.3 | 4238.3 | 6927.4 | 8168.4 |
| 75° | 259.0 | 274.3 | 327.7 | 494.3 | 563.1 | 470.2 | 555.4 | 2476.8 | 4832.1 | 5745.9 |
| 77.5° | 197.9 | 209.7 | 244.6 | 362.0 | 450.8 | 352.8 | 344.6 | 1139.4 | 2291.2 | 2302.5 |
| 80° | 159.0 | 166.7 | 185.6 | 254.9 | 345.6 | 264.1 | 224.6 | 460.0 | 724.1 | 612.8 |
| 82.5° | 116.9 | 129.7 | 156.9 | 179.0 | 247.2 | 182.0 | 136.9 | 232.3 | 275.4 | 236.9 |
| 85° | 66.7 | 75.4 | 94.9 | 128.2 | 157.9 | 111.3 | 78.5 | 103.1 | 128.2 | 105.1 |
| 87.5° | 23.6 | 30.8 | 33.3 | 50.3 | 68.7 | 46.2 | 30.3 | 29.7 | 42.0 | 31.3 |
| 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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 CATALOG NUMBER: GLAN-SB3A-940-U-T2

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1416.9 | 0° | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 | 1416.9 |
| 1432.2 | 2.5° | 1427.1 | 1424.6 | 1414.3 | 1400.5 | 1386.1 | 1372.2 | 1367.6 | 1357.9 | 1351.2 | 1347.6 |
| 1465.6 | 5° | 1455.8 | 1447.6 | 1423.5 | 1392.8 | 1360.5 | 1325.6 | 1301.0 | 1278.4 | 1262.0 | 1246.6 |
| 1511.2 | 7.5° | 1496.9 | 1482.5 | 1441.0 | 1387.1 | 1329.7 | 1271.7 | 1228.7 | 1195.8 | 1173.8 | 1159.4 |
| 1564.5 | 10° | 1544.6 | 1522.5 | 1458.9 | 1378.4 | 1289.7 | 1206.6 | 1155.8 | 1127.6 | 1113.8 | 1106.1 |
| 1625.6 | 12.5° | 1599.4 | 1568.1 | 1477.4 | 1358.4 | 1228.7 | 1133.8 | 1098.9 | 1090.7 | 1091.2 | 1091.7 |
| 1702.5 | 15° | 1667.1 | 1623.5 | 1492.2 | 1314.8 | 1149.2 | 1077.9 | 1071.7 | 1085.1 | 1098.9 | 1105.6 |
| 1789.7 | 17.5° | 1743.5 | 1682.0 | 1494.8 | 1243.0 | 1071.2 | 1042.0 | 1061.5 | 1090.2 | 1111.2 | 1120.5 |
| 1887.1 | 20° | 1825.6 | 1741.5 | 1476.3 | 1141.5 | 1007.1 | 1012.8 | 1047.6 | 1084.6 | 1107.6 | 1119.4 |
| 1998.4 | 22.5° | 1919.4 | 1805.1 | 1432.2 | 1034.8 | 954.8 | 981.0 | 1022.0 | 1057.9 | 1082.0 | 1093.8 |
| 2129.1 | 25° | 2026.6 | 1876.3 | 1363.0 | 945.1 | 909.7 | 945.1 | 986.1 | 1015.9 | 1035.3 | 1046.1 |
| 2275.3 | 27.5° | 2145.6 | 1950.7 | 1270.7 | 873.8 | 870.2 | 908.2 | 942.0 | 965.1 | 975.3 | 983.5 |
| 2430.7 | 30° | 2265.0 | 2018.4 | 1158.9 | 820.0 | 835.9 | 871.8 | 895.9 | 906.1 | 909.2 | 910.7 |
| 2604.0 | 32.5° | 2394.3 | 2076.8 | 1041.5 | 775.4 | 803.0 | 836.4 | 850.7 | 855.3 | 841.0 | 831.2 |
| 2814.2 | 35° | 2550.7 | 2139.4 | 926.6 | 740.0 | 770.7 | 799.5 | 804.1 | 800.0 | 783.0 | 763.0 |
| 3077.8 | 37.5° | 2744.0 | 2217.3 | 834.8 | 714.8 | 740.5 | 759.5 | 753.8 | 752.8 | 754.3 | 730.7 |
| 3394.7 | 40° | 2980.9 | 2318.9 | 767.7 | 695.4 | 715.9 | 720.0 | 704.1 | 712.8 | 720.5 | 684.6 |
| 3742.4 | 42.5° | 3244.0 | 2441.4 | 725.1 | 682.0 | 695.4 | 685.6 | 661.0 | 670.7 | 669.7 | 622.5 |
| 4091.6 | 45° | 3512.2 | 2574.8 | 710.2 | 672.3 | 676.4 | 656.9 | 629.7 | 632.3 | 610.7 | 568.2 |
| 4426.5 | 47.5° | 3778.8 | 2717.8 | 719.5 | 664.1 | 652.8 | 630.7 | 609.7 | 598.4 | 566.6 | 534.8 |
| 4747.5 | 50° | 4040.3 | 2868.1 | 753.3 | 647.7 | 620.5 | 607.7 | 592.3 | 572.3 | 538.4 | 511.3 |
| 5051.1 | 52.5° | 4282.9 | 3019.4 | 791.2 | 620.5 | 580.0 | 587.7 | 577.9 | 554.8 | 521.5 | 493.8 |
| 5338.2 | 55° | 4512.6 | 3170.6 | 806.1 | 583.1 | 542.0 | 570.2 | 564.6 | 522.0 | 482.0 | 459.5 |
| 5638.7 | 57.5° | 4762.9 | 3352.7 | 789.7 | 535.4 | 511.3 | 550.2 | 528.7 | 481.5 | 458.4 | 441.5 |
| 6030.0 | 60° | 5109.5 | 3638.3 | 754.3 | 476.4 | 482.0 | 520.5 | 483.6 | 464.1 | 439.0 | 420.0 |
| 6616.6 | 62.5° | 5685.4 | 4171.1 | 697.4 | 417.9 | 447.7 | 476.4 | 462.0 | 442.5 | 416.9 | 398.4 |
| 7619.7 | 65° | 6536.6 | 4911.6 | 590.2 | 372.3 | 409.2 | 433.3 | 439.0 | 419.5 | 392.8 | 373.3 |
| 8498.6 | 67.5° | 7254.6 | 5376.2 | 446.6 | 334.3 | 369.7 | 398.4 | 414.3 | 395.4 | 367.2 | 348.2 |
| 8704.2 | 70° | 7215.1 | 5038.8 | 341.0 | 296.9 | 334.9 | 364.1 | 384.6 | 369.7 | 339.5 | 321.5 |
| 7906.3 | 72.5° | 6408.4 | 4215.2 | 275.9 | 259.0 | 299.5 | 328.2 | 352.8 | 341.5 | 310.8 | 293.3 |
| 5792.1 | 75° | 4708.0 | 2992.2 | 220.5 | 220.5 | 255.4 | 290.8 | 317.9 | 310.8 | 282.6 | 270.2 |
| 2431.7 | 77.5° | 1984.5 | 1255.3 | 172.8 | 183.1 | 212.3 | 249.7 | 283.6 | 286.1 | 261.5 | 276.9 |
| 643.0 | 80° | 527.7 | 346.1 | 131.8 | 144.1 | 166.7 | 206.1 | 246.7 | 245.6 | 219.0 | 204.6 |
| 239.0 | 82.5° | 201.0 | 136.4 | 93.8 | 101.5 | 120.5 | 157.9 | 195.4 | 201.5 | 174.9 | 151.3 |
| 93.8 | 85° | 77.4 | 58.5 | 57.9 | 61.0 | 70.3 | 104.6 | 147.7 | 152.8 | 131.8 | 111.8 |
| 26.2 | 87.5° | 20.0 | 17.4 | 21.5 | 20.5 | 32.3 | 55.9 | 84.6 | 87.7 | 80.5 | 46.7 |
| 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/> |
| 1416.9 |
| 1351.7 |
| 1252.8 |
| 1162.5 |
| 1108.2 |
| 1092.8 |
| 1105.1 |
| 1122.5 |
| 1122.5 |
| 1096.9 |
| 1049.2 |
| 986.6 |
| 914.3 |
| 834.3 |
| 764.1 |
| 732.3 |
| 685.6 |
| 622.0 |
| 569.7 |
| 534.8 |
| 509.2 |
| 494.3 |
| 457.4 |
| 440.0 |
| 419.0 |
| 398.4 |
| 374.3 |
| 348.7 |
| 323.1 |
| 293.3 |
| 266.7 |
| 251.3 |
| 190.2 |
| 151.3 |
| 115.4 |
| 66.7 |
| 0.0 |

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