

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: P845697

Luminaire Tested: **GLAN-SB1A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845697
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-SB1A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2752 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

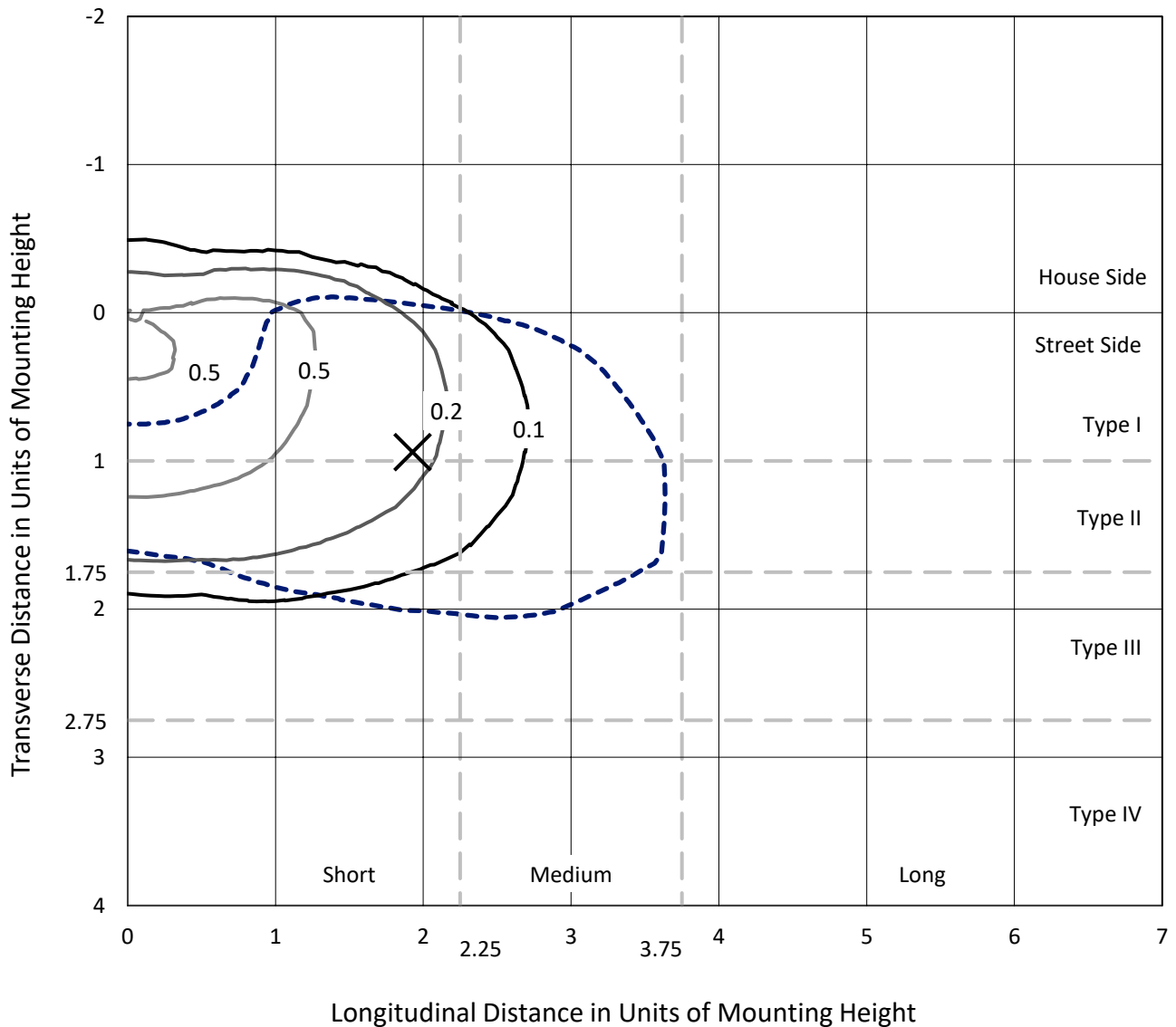
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

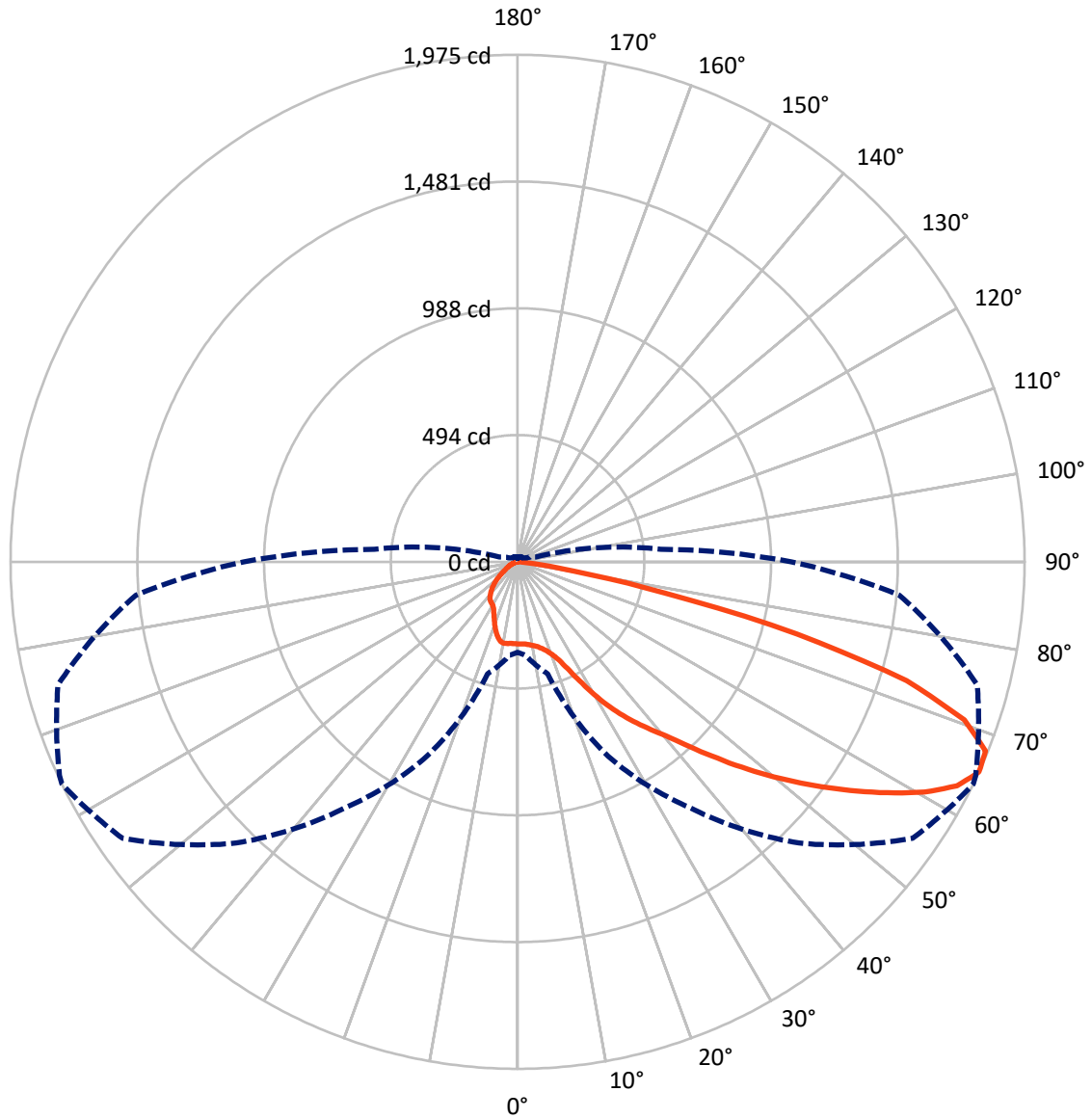
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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 | 368.0 | 0.0 | 368.0 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 2384.0 | 0.0 | 2384.0 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 2752.0 | 0.0 | 2752.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.5 | 1.1 |
| 10°-20° | 80.1 | 2.9 |
| 20°-30° | 151.8 | 5.5 |
| 30°-40° | 307.1 | 11.2 |
| 40°-50° | 523.2 | 19.0 |
| 50°-60° | 711.5 | 25.9 |
| 60°-70° | 668.1 | 24.3 |
| 70°-80° | 267.7 | 9.7 |
| 80°-90° | 13.0 | 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° | 2752.0 | 100.0 |
| 0°-180° | 2752.0 | 100.0 |

Coefficient of Utilization



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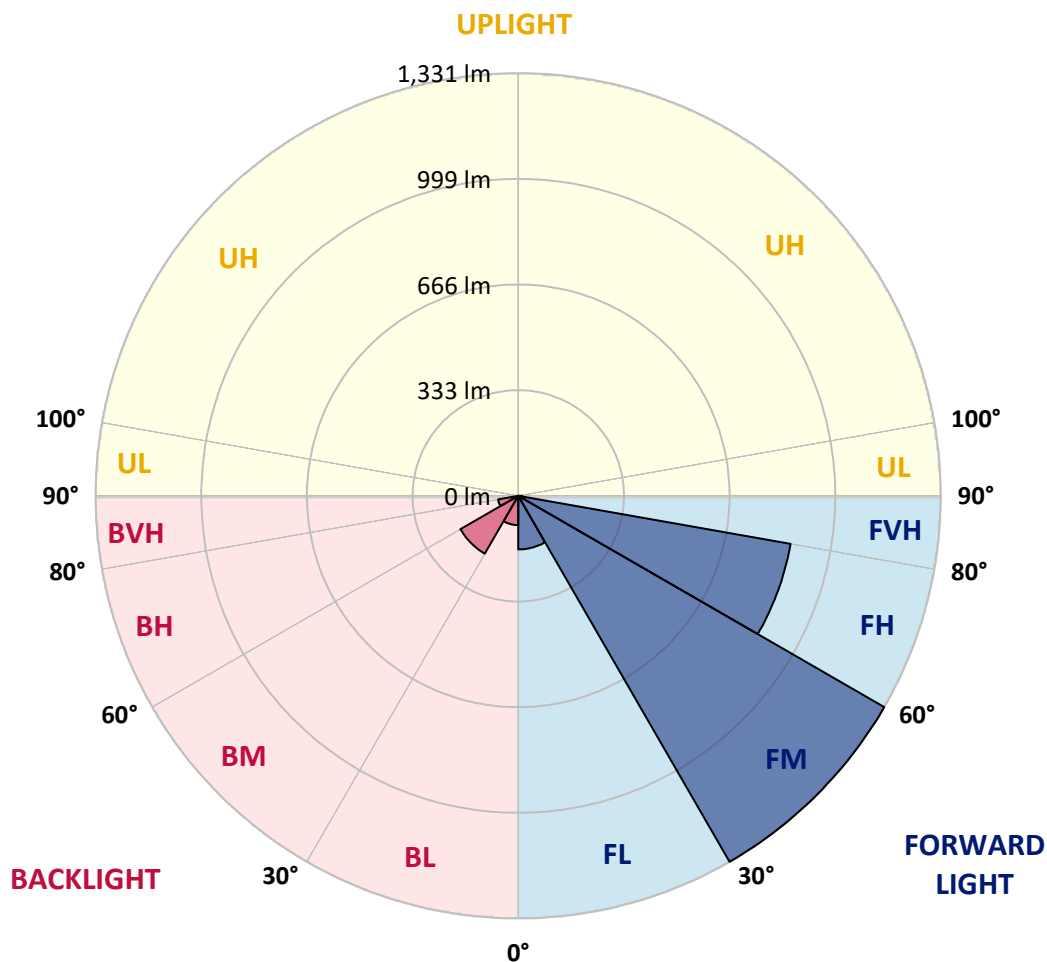
CATALOG NUMBER: GLAN-SB1A-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 169.0 | 6.1 | | | |
| FM (30°-60°) | 1331.4 | 48.4 | | | |
| FH (60°-80°) | 871.2 | 31.7 | | | G1/1800 |
| FVH (80°-90°) | 12.3 | 0.4 | | | G1/100 |
| BL (0°-30°) | 92.4 | 3.4 | B0/110 | | |
| BM (30°-60°) | 210.4 | 7.6 | B0/220 | | |
| BH (60°-80°) | 64.6 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.6 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 |
| 2.5° | 319.0 | 321.2 | 320.6 | 320.1 | 319.9 | 320.3 | 320.5 | 320.3 | 320.3 | 320.3 |
| 5° | 312.9 | 314.7 | 314.7 | 316.0 | 317.9 | 320.1 | 321.7 | 322.1 | 322.5 | 323.0 |
| 7.5° | 301.3 | 302.7 | 303.9 | 308.1 | 312.7 | 318.6 | 323.6 | 326.2 | 326.5 | 328.6 |
| 10° | 293.3 | 295.2 | 297.0 | 301.5 | 308.1 | 316.9 | 325.4 | 331.7 | 332.6 | 337.4 |
| 12.5° | 293.0 | 294.8 | 297.2 | 302.0 | 309.8 | 319.2 | 329.5 | 338.5 | 340.2 | 347.2 |
| 15° | 296.8 | 299.1 | 301.3 | 307.2 | 315.5 | 326.9 | 338.0 | 349.2 | 350.9 | 360.9 |
| 17.5° | 304.8 | 307.7 | 309.4 | 315.3 | 324.1 | 336.9 | 351.4 | 364.4 | 365.8 | 377.5 |
| 20° | 320.5 | 324.0 | 324.5 | 329.3 | 338.0 | 351.6 | 369.0 | 385.0 | 386.9 | 400.2 |
| 22.5° | 352.9 | 357.9 | 353.5 | 355.9 | 363.6 | 377.3 | 396.1 | 416.4 | 419.0 | 434.1 |
| 25° | 410.1 | 417.1 | 405.7 | 401.6 | 405.0 | 419.2 | 442.8 | 468.4 | 471.4 | 483.5 |
| 27.5° | 522.5 | 513.4 | 496.1 | 479.1 | 469.2 | 477.3 | 503.8 | 535.6 | 539.3 | 551.1 |
| 30° | 645.9 | 638.0 | 614.5 | 576.9 | 553.3 | 552.0 | 576.5 | 611.9 | 616.2 | 627.4 |
| 32.5° | 769.5 | 761.9 | 736.5 | 690.2 | 649.2 | 628.9 | 645.9 | 685.2 | 687.4 | 694.6 |
| 35° | 891.1 | 883.3 | 857.9 | 810.5 | 760.1 | 714.0 | 710.6 | 754.9 | 755.7 | 763.2 |
| 37.5° | 1013.4 | 1006.9 | 979.8 | 933.3 | 883.7 | 820.0 | 789.2 | 821.0 | 821.9 | 829.3 |
| 40° | 1100.7 | 1103.4 | 1084.8 | 1048.8 | 1006.2 | 936.6 | 877.4 | 891.3 | 885.7 | 898.1 |
| 42.5° | 1175.6 | 1181.1 | 1164.9 | 1146.8 | 1122.1 | 1060.8 | 986.6 | 984.2 | 975.4 | 982.0 |
| 45° | 1240.3 | 1244.9 | 1230.3 | 1226.1 | 1225.6 | 1182.6 | 1106.0 | 1091.6 | 1079.3 | 1078.0 |
| 47.5° | 1264.1 | 1273.0 | 1279.2 | 1293.4 | 1321.1 | 1303.0 | 1229.4 | 1207.1 | 1193.3 | 1183.1 |
| 50° | 1273.1 | 1282.6 | 1304.0 | 1345.3 | 1410.8 | 1418.5 | 1352.3 | 1327.2 | 1310.2 | 1291.8 |
| 52.5° | 1261.0 | 1277.8 | 1306.5 | 1376.1 | 1471.1 | 1511.1 | 1470.2 | 1448.2 | 1428.9 | 1398.8 |
| 55° | 1189.2 | 1206.0 | 1264.8 | 1375.7 | 1501.2 | 1576.1 | 1581.6 | 1571.8 | 1550.1 | 1502.7 |
| 57.5° | 1037.9 | 1062.8 | 1156.0 | 1328.9 | 1500.6 | 1632.0 | 1690.8 | 1697.8 | 1673.5 | 1605.6 |
| 60° | 828.3 | 862.1 | 975.8 | 1225.0 | 1454.3 | 1662.2 | 1786.6 | 1821.6 | 1795.8 | 1707.1 |
| 62.5° | 578.0 | 617.1 | 724.7 | 1062.3 | 1348.4 | 1640.5 | 1856.5 | 1921.3 | 1901.7 | 1797.8 |
| 65° | 352.6 | 365.1 | 451.8 | 835.9 | 1168.4 | 1549.3 | 1878.1 | 1975.1 | 1968.7 | 1853.4 |
| 67.5° | 234.9 | 245.4 | 270.3 | 573.2 | 906.9 | 1367.2 | 1826.4 | 1965.7 | 1967.6 | 1844.3 |
| 70° | 141.5 | 150.5 | 166.8 | 333.4 | 587.8 | 1082.2 | 1666.5 | 1845.8 | 1856.5 | 1723.5 |
| 72.5° | 58.3 | 64.4 | 79.1 | 151.1 | 304.4 | 686.8 | 1327.0 | 1584.7 | 1609.7 | 1449.2 |
| 75° | 33.0 | 36.2 | 46.5 | 75.8 | 132.1 | 320.1 | 803.8 | 1125.0 | 1161.7 | 998.8 |
| 77.5° | 22.0 | 23.4 | 30.1 | 49.1 | 74.3 | 109.2 | 343.5 | 586.1 | 656.2 | 545.5 |
| 80° | 14.8 | 16.1 | 20.7 | 32.8 | 48.3 | 46.9 | 109.4 | 217.1 | 267.1 | 187.4 |
| 82.5° | 10.0 | 10.1 | 14.8 | 21.6 | 30.6 | 22.7 | 32.3 | 67.5 | 84.9 | 54.2 |
| 85° | 5.7 | 5.5 | 10.9 | 12.5 | 13.7 | 9.4 | 9.8 | 20.3 | 26.6 | 22.9 |
| 87.5° | 0.7 | 1.1 | 4.2 | 3.3 | 1.8 | 2.0 | 2.0 | 3.5 | 5.2 | 5.5 |
| 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° |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 320.1 | 0° | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 | 320.1 |
| 320.5 | 2.5° | 320.5 | 320.3 | 319.7 | 319.2 | 317.9 | 317.1 | 317.5 | 317.1 | 316.9 | 317.1 |
| 322.9 | 5° | 322.9 | 322.3 | 320.8 | 319.0 | 316.4 | 313.3 | 311.2 | 308.3 | 305.5 | 303.9 |
| 329.3 | 7.5° | 329.3 | 328.8 | 326.7 | 321.6 | 313.3 | 300.2 | 288.2 | 277.7 | 269.7 | 265.1 |
| 339.6 | 10° | 339.6 | 338.7 | 335.6 | 324.1 | 302.4 | 273.8 | 250.0 | 230.2 | 217.3 | 211.2 |
| 351.8 | 12.5° | 351.8 | 350.7 | 345.2 | 321.7 | 281.7 | 237.1 | 204.2 | 182.3 | 170.3 | 164.9 |
| 365.8 | 15° | 366.2 | 364.7 | 353.8 | 310.3 | 251.6 | 196.5 | 166.4 | 150.0 | 142.2 | 137.4 |
| 383.7 | 17.5° | 384.1 | 381.5 | 360.3 | 293.2 | 219.0 | 165.5 | 143.2 | 130.8 | 124.0 | 119.4 |
| 407.2 | 20° | 407.3 | 403.1 | 365.5 | 272.7 | 188.9 | 145.9 | 127.5 | 117.1 | 112.0 | 107.9 |
| 440.4 | 22.5° | 439.8 | 433.7 | 371.7 | 250.5 | 167.7 | 132.5 | 115.9 | 108.3 | 104.1 | 99.4 |
| 486.7 | 25° | 480.0 | 472.8 | 379.5 | 230.1 | 153.1 | 120.8 | 107.4 | 101.1 | 96.1 | 90.8 |
| 547.4 | 27.5° | 536.3 | 523.4 | 388.7 | 213.3 | 140.6 | 110.9 | 99.6 | 92.6 | 86.9 | 82.5 |
| 616.2 | 30° | 599.0 | 577.8 | 396.8 | 203.1 | 129.1 | 101.7 | 89.5 | 82.5 | 77.1 | 74.0 |
| 678.0 | 32.5° | 658.4 | 629.7 | 402.2 | 198.7 | 118.8 | 91.1 | 78.4 | 70.8 | 66.8 | 65.9 |
| 738.5 | 35° | 714.5 | 676.5 | 401.6 | 194.5 | 109.6 | 80.6 | 67.5 | 59.8 | 56.6 | 57.2 |
| 803.6 | 37.5° | 779.1 | 726.5 | 397.8 | 187.8 | 102.0 | 71.0 | 58.1 | 51.3 | 48.5 | 48.7 |
| 882.8 | 40° | 854.2 | 784.3 | 395.4 | 175.3 | 93.7 | 62.2 | 50.4 | 44.8 | 42.8 | 42.1 |
| 966.2 | 42.5° | 934.2 | 840.2 | 395.7 | 161.1 | 83.4 | 54.2 | 45.0 | 40.4 | 38.6 | 38.0 |
| 1059.0 | 45° | 1014.7 | 893.5 | 396.3 | 146.3 | 72.5 | 48.2 | 41.1 | 37.3 | 36.2 | 35.4 |
| 1153.0 | 47.5° | 1090.3 | 938.9 | 385.9 | 130.4 | 61.8 | 43.5 | 38.0 | 35.4 | 34.5 | 33.6 |
| 1247.5 | 50° | 1160.8 | 969.1 | 361.0 | 112.0 | 53.3 | 39.8 | 35.6 | 33.8 | 32.8 | 31.9 |
| 1333.1 | 52.5° | 1215.6 | 973.9 | 319.9 | 93.0 | 47.4 | 37.1 | 34.1 | 32.5 | 31.4 | 30.4 |
| 1402.3 | 55° | 1239.9 | 943.8 | 261.4 | 75.3 | 42.8 | 34.7 | 32.7 | 31.0 | 29.7 | 28.8 |
| 1456.7 | 57.5° | 1233.7 | 880.6 | 203.9 | 60.5 | 38.4 | 32.3 | 30.8 | 29.7 | 28.2 | 26.8 |
| 1500.8 | 60° | 1202.9 | 795.9 | 153.7 | 50.4 | 34.3 | 29.7 | 28.8 | 27.9 | 25.8 | 23.6 |
| 1517.8 | 62.5° | 1149.5 | 689.4 | 109.6 | 41.7 | 29.9 | 26.8 | 26.4 | 25.6 | 22.7 | 18.6 |
| 1492.7 | 65° | 1068.0 | 560.1 | 73.8 | 34.7 | 25.6 | 23.4 | 23.6 | 22.3 | 18.4 | 13.8 |
| 1400.8 | 67.5° | 948.8 | 409.6 | 47.2 | 28.4 | 21.4 | 19.6 | 19.7 | 19.0 | 15.7 | 11.8 |
| 1226.7 | 70° | 797.0 | 271.2 | 30.8 | 21.6 | 17.2 | 15.1 | 16.2 | 16.4 | 13.3 | 9.6 |
| 941.4 | 72.5° | 584.3 | 160.1 | 21.6 | 16.1 | 12.5 | 10.5 | 13.3 | 13.7 | 10.7 | 7.2 |
| 566.4 | 75° | 333.0 | 76.0 | 16.2 | 11.6 | 7.7 | 7.4 | 10.3 | 10.3 | 7.4 | 4.8 |
| 245.2 | 77.5° | 139.8 | 31.7 | 11.4 | 7.6 | 4.4 | 4.2 | 7.0 | 6.5 | 3.7 | 2.2 |
| 59.8 | 80° | 40.4 | 14.2 | 6.1 | 3.7 | 1.8 | 1.7 | 2.8 | 2.0 | 0.9 | 0.4 |
| 22.7 | 82.5° | 15.9 | 6.3 | 2.4 | 1.5 | 0.7 | 0.7 | 0.4 | 0.0 | 0.0 | 0.0 |
| 12.9 | 85° | 9.4 | 2.6 | 1.1 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.8 | 87.5° | 2.4 | 0.6 | 0.4 | 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/> |
| 320.1 |
| 317.9 |
| 304.2 |
| 265.3 |
| 210.7 |
| 164.4 |
| 137.6 |
| 119.0 |
| 107.2 |
| 98.7 |
| 90.2 |
| 81.5 |
| 73.4 |
| 66.4 |
| 57.2 |
| 49.4 |
| 41.9 |
| 37.8 |
| 35.4 |
| 33.6 |
| 31.9 |
| 30.3 |
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| 26.6 |
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