

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: P852052

Luminaire Tested: **GLAN-SB1A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3282 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

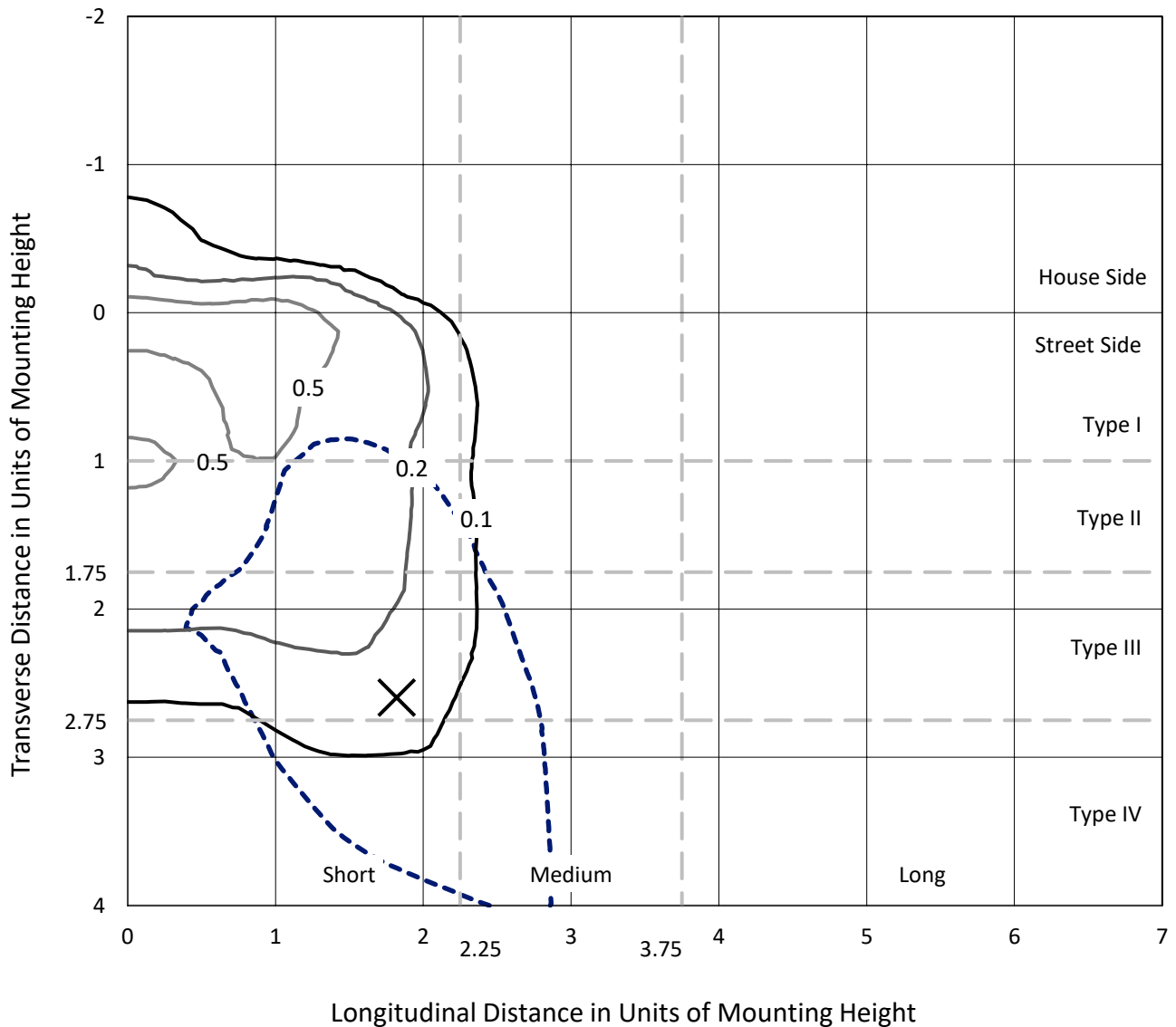
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

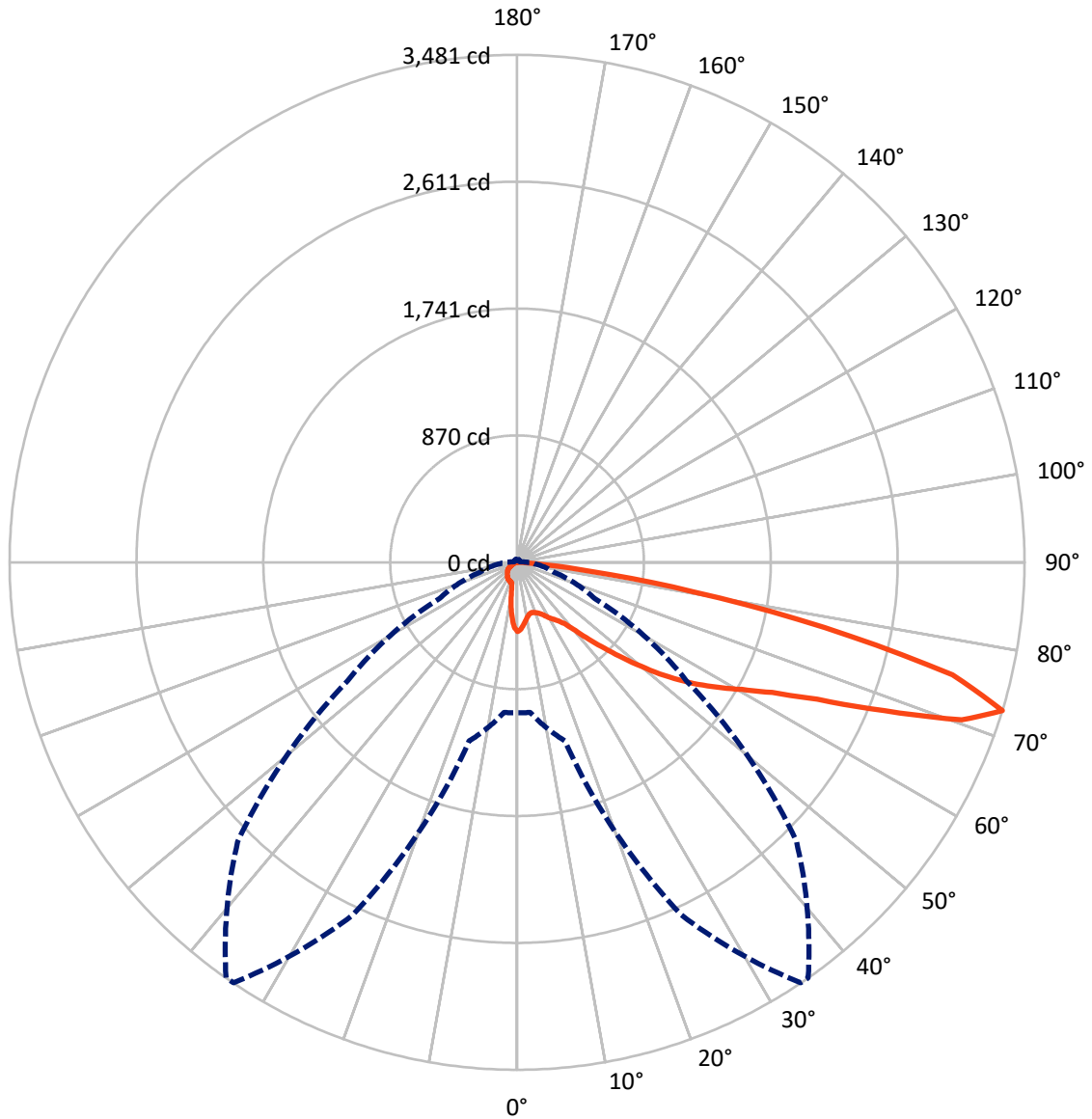
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 369.4 | 0.0 | 369.4 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 2912.6 | 0.0 | 2912.6 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 3282.0 | 0.0 | 3282.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.1 | 1.2 |
| 10°-20° | 91.4 | 2.8 |
| 20°-30° | 148.5 | 4.5 |
| 30°-40° | 247.8 | 7.6 |
| 40°-50° | 468.9 | 14.3 |
| 50°-60° | 745.1 | 22.7 |
| 60°-70° | 921.8 | 28.1 |
| 70°-80° | 573.0 | 17.5 |
| 80°-90° | 46.3 | 1.4 |
| 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° | 3282.0 | 100.0 |
| 0°-180° | 3282.0 | 100.0 |

Coefficient of Utilization



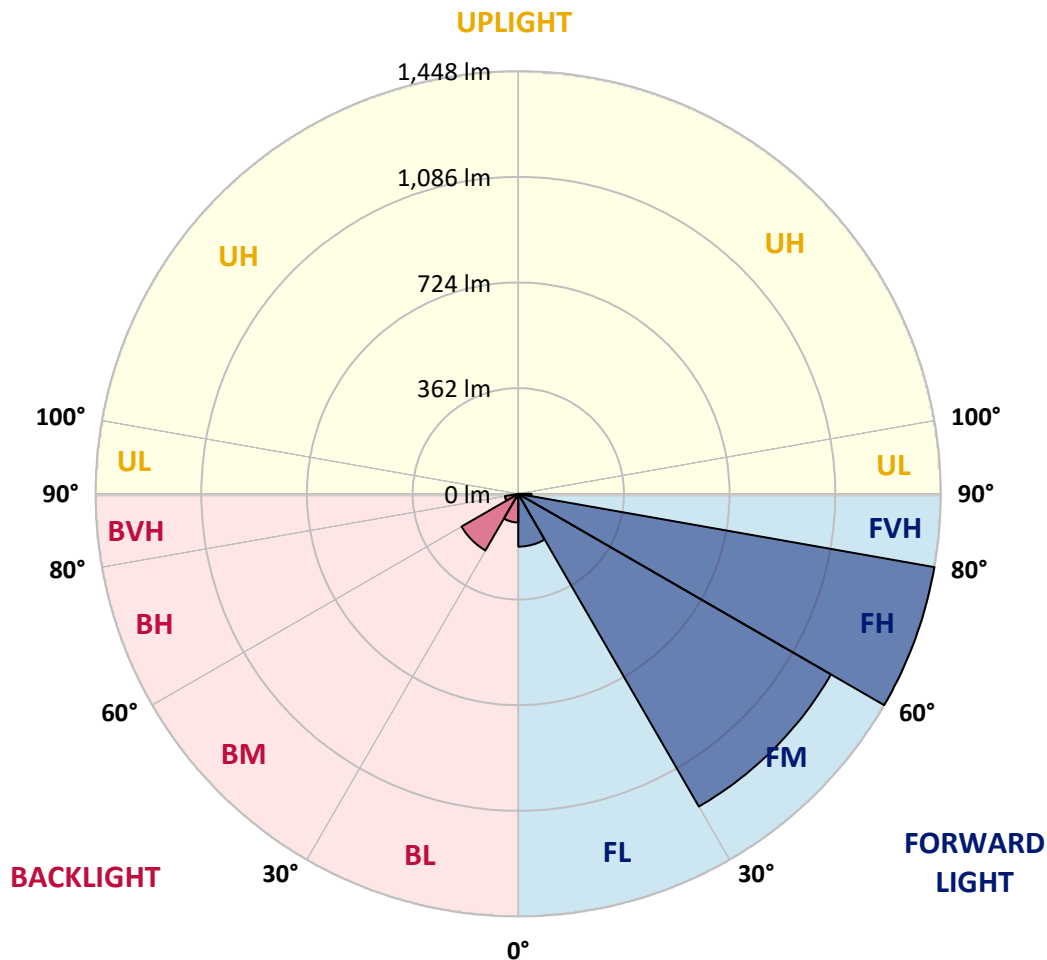
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 180.9 | 5.5 | | | |
| FM (30°-60°) | 1237.6 | 37.7 | | | |
| FH (60°-80°) | 1448.4 | 44.1 | | | G1/1800 |
| FVH (80°-90°) | 45.7 | 1.4 | | | G1/100 |
| BL (0°-30°) | 98.2 | 3.0 | B0/110 | | |
| BM (30°-60°) | 224.2 | 6.8 | B1/1000 | | |
| BH (60°-80°) | 46.4 | 1.4 | 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: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 |
| 2.5° | 454.5 | 458.4 | 459.1 | 460.3 | 460.3 | 461.7 | 464.1 | 467.5 | 473.0 | 475.9 |
| 5° | 418.9 | 421.8 | 425.4 | 428.3 | 433.8 | 434.5 | 443.9 | 453.1 | 465.8 | 475.4 |
| 7.5° | 383.1 | 386.5 | 391.3 | 398.2 | 405.5 | 407.6 | 421.8 | 437.2 | 457.4 | 475.4 |
| 10° | 357.8 | 358.1 | 362.4 | 369.4 | 380.9 | 383.6 | 400.9 | 422.8 | 448.0 | 472.5 |
| 12.5° | 343.6 | 345.3 | 347.3 | 352.5 | 363.6 | 365.3 | 383.8 | 409.5 | 438.6 | 470.9 |
| 15° | 343.6 | 344.9 | 346.1 | 348.7 | 357.6 | 359.0 | 375.4 | 401.1 | 433.8 | 471.6 |
| 17.5° | 347.3 | 349.2 | 348.2 | 351.3 | 360.7 | 361.7 | 376.1 | 398.7 | 433.6 | 476.2 |
| 20° | 355.9 | 357.4 | 355.4 | 357.4 | 366.7 | 368.7 | 383.6 | 403.3 | 437.7 | 484.1 |
| 22.5° | 369.6 | 370.3 | 365.8 | 367.2 | 376.8 | 379.2 | 396.6 | 416.3 | 447.5 | 496.8 |
| 25° | 386.9 | 388.4 | 381.4 | 383.1 | 392.2 | 395.1 | 415.1 | 435.8 | 463.2 | 514.4 |
| 27.5° | 406.9 | 407.6 | 401.6 | 401.4 | 413.1 | 417.2 | 437.4 | 459.8 | 484.1 | 536.5 |
| 30° | 429.7 | 431.9 | 426.1 | 425.2 | 440.1 | 443.4 | 463.4 | 489.4 | 514.9 | 569.7 |
| 32.5° | 447.8 | 449.5 | 446.1 | 448.5 | 463.6 | 466.3 | 494.9 | 531.2 | 563.2 | 616.8 |
| 35° | 473.7 | 474.7 | 467.0 | 471.3 | 488.7 | 495.4 | 538.0 | 589.9 | 624.0 | 676.0 |
| 37.5° | 567.8 | 567.8 | 535.1 | 513.7 | 530.3 | 536.3 | 596.9 | 663.7 | 699.1 | 755.4 |
| 40° | 697.9 | 695.7 | 647.9 | 604.1 | 601.9 | 613.7 | 680.8 | 756.8 | 796.0 | 850.6 |
| 42.5° | 836.6 | 833.3 | 768.1 | 724.8 | 717.6 | 721.7 | 777.7 | 871.5 | 911.4 | 966.7 |
| 45° | 959.8 | 958.8 | 899.2 | 841.0 | 828.0 | 841.0 | 898.7 | 1005.7 | 1034.3 | 1092.5 |
| 47.5° | 1062.9 | 1062.9 | 1019.4 | 981.4 | 974.7 | 982.4 | 1062.4 | 1154.6 | 1151.9 | 1226.5 |
| 50° | 1181.7 | 1180.8 | 1139.4 | 1123.0 | 1130.0 | 1140.8 | 1251.0 | 1311.3 | 1273.6 | 1358.0 |
| 52.5° | 1264.9 | 1270.7 | 1256.5 | 1253.9 | 1289.5 | 1308.2 | 1442.4 | 1464.8 | 1382.5 | 1482.8 |
| 55° | 1330.8 | 1337.6 | 1353.9 | 1372.4 | 1441.0 | 1465.5 | 1627.8 | 1610.3 | 1473.7 | 1591.0 |
| 57.5° | 1424.1 | 1414.5 | 1439.8 | 1476.3 | 1587.2 | 1616.8 | 1807.5 | 1747.6 | 1547.0 | 1678.8 |
| 60° | 1537.4 | 1538.8 | 1543.2 | 1589.3 | 1733.1 | 1771.1 | 1984.5 | 1877.4 | 1594.1 | 1732.7 |
| 62.5° | 1673.5 | 1675.7 | 1684.6 | 1755.5 | 1929.1 | 1965.0 | 2173.0 | 1983.7 | 1615.8 | 1717.5 |
| 65° | 1664.1 | 1673.3 | 1772.6 | 2015.2 | 2227.1 | 2262.4 | 2393.0 | 2058.3 | 1583.1 | 1579.0 |
| 67.5° | 1516.0 | 1530.9 | 1697.1 | 2325.5 | 2676.3 | 2715.8 | 2659.0 | 2072.9 | 1441.9 | 1227.9 |
| 70° | 1321.7 | 1327.0 | 1526.8 | 2604.4 | 3196.5 | 3236.4 | 2897.1 | 1911.6 | 1094.2 | 684.9 |
| 72.5° | 1032.1 | 1033.3 | 1267.8 | 2669.1 | 3478.8 | 3481.0 | 2710.2 | 1419.1 | 588.5 | 263.1 |
| 75° | 737.3 | 730.1 | 849.1 | 2164.6 | 3060.6 | 3085.1 | 2031.8 | 665.7 | 224.8 | 124.3 |
| 77.5° | 395.4 | 403.3 | 480.5 | 1283.7 | 2114.3 | 2156.2 | 1108.6 | 191.9 | 114.5 | 84.6 |
| 80° | 122.2 | 128.9 | 197.0 | 587.7 | 1197.6 | 1222.8 | 411.0 | 85.4 | 79.8 | 60.4 |
| 82.5° | 38.5 | 39.9 | 91.9 | 247.0 | 497.1 | 508.6 | 119.0 | 48.3 | 54.6 | 39.9 |
| 85° | 11.1 | 11.3 | 40.9 | 92.1 | 122.9 | 125.3 | 33.4 | 18.8 | 31.3 | 24.8 |
| 87.5° | 1.2 | 3.8 | 15.4 | 15.4 | 10.8 | 10.6 | 3.6 | 4.1 | 8.9 | 3.1 |
| 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° |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 475.7 | 0° | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 | 475.7 |
| 477.8 | 2.5° | 476.6 | 476.9 | 473.7 | 468.5 | 462.7 | 457.9 | 451.9 | 447.1 | 443.7 | 442.7 |
| 482.2 | 5° | 480.0 | 478.3 | 469.4 | 453.3 | 434.1 | 417.5 | 399.0 | 384.3 | 374.7 | 370.6 |
| 486.7 | 7.5° | 485.1 | 480.2 | 460.8 | 429.0 | 392.2 | 359.5 | 326.3 | 300.6 | 284.2 | 276.1 |
| 491.1 | 10° | 489.4 | 479.8 | 446.3 | 393.9 | 337.6 | 288.1 | 243.4 | 212.3 | 195.0 | 186.9 |
| 496.1 | 12.5° | 493.5 | 479.5 | 427.6 | 352.3 | 276.1 | 215.5 | 173.9 | 158.5 | 153.7 | 152.0 |
| 504.3 | 15° | 501.2 | 480.2 | 404.0 | 304.7 | 214.7 | 162.8 | 147.7 | 147.4 | 148.4 | 147.9 |
| 516.8 | 17.5° | 511.7 | 481.0 | 377.3 | 254.2 | 165.7 | 143.6 | 142.8 | 145.0 | 146.5 | 145.7 |
| 532.4 | 20° | 525.5 | 483.8 | 348.9 | 204.2 | 142.4 | 138.8 | 140.4 | 142.4 | 143.6 | 142.4 |
| 553.3 | 22.5° | 544.7 | 488.9 | 317.9 | 164.0 | 134.9 | 135.9 | 137.3 | 139.5 | 140.7 | 139.0 |
| 580.0 | 25° | 568.3 | 496.8 | 287.4 | 142.6 | 131.3 | 132.5 | 134.7 | 137.1 | 138.5 | 136.8 |
| 613.7 | 27.5° | 598.8 | 509.6 | 259.2 | 137.8 | 127.7 | 128.4 | 131.5 | 135.2 | 137.1 | 134.9 |
| 661.6 | 30° | 643.0 | 530.5 | 235.0 | 140.0 | 125.5 | 123.8 | 128.2 | 133.2 | 135.4 | 133.5 |
| 726.7 | 32.5° | 701.7 | 560.1 | 220.0 | 143.3 | 124.6 | 118.6 | 122.6 | 129.1 | 132.7 | 131.5 |
| 811.9 | 35° | 778.7 | 605.1 | 214.3 | 147.2 | 123.8 | 113.0 | 115.9 | 122.9 | 129.1 | 130.3 |
| 919.1 | 37.5° | 872.0 | 667.6 | 216.0 | 148.9 | 121.7 | 108.5 | 109.9 | 115.9 | 124.1 | 127.9 |
| 1039.8 | 40° | 978.0 | 740.4 | 225.6 | 147.2 | 119.3 | 104.6 | 104.8 | 109.4 | 116.6 | 122.4 |
| 1169.7 | 42.5° | 1087.5 | 825.6 | 243.4 | 140.9 | 117.1 | 101.2 | 100.5 | 103.6 | 108.5 | 112.5 |
| 1299.3 | 45° | 1191.6 | 913.1 | 260.9 | 132.3 | 114.5 | 97.9 | 96.2 | 97.4 | 98.4 | 100.0 |
| 1425.6 | 47.5° | 1282.5 | 974.7 | 255.9 | 124.3 | 110.9 | 94.0 | 91.1 | 90.7 | 87.8 | 87.5 |
| 1538.4 | 50° | 1345.3 | 988.1 | 227.3 | 116.4 | 105.6 | 89.7 | 85.1 | 82.2 | 77.2 | 74.8 |
| 1622.8 | 52.5° | 1365.2 | 935.0 | 185.7 | 108.5 | 96.9 | 83.9 | 77.4 | 72.9 | 66.6 | 64.4 |
| 1671.3 | 55° | 1338.8 | 830.9 | 148.4 | 98.8 | 84.9 | 76.2 | 69.0 | 63.0 | 58.0 | 55.3 |
| 1676.6 | 57.5° | 1274.1 | 698.4 | 117.4 | 87.5 | 72.1 | 67.6 | 60.4 | 54.3 | 50.0 | 47.4 |
| 1618.0 | 60° | 1166.8 | 554.5 | 92.8 | 74.1 | 61.6 | 58.2 | 50.7 | 46.9 | 43.0 | 39.9 |
| 1466.5 | 62.5° | 1004.0 | 395.8 | 72.9 | 58.7 | 51.5 | 47.6 | 43.3 | 40.4 | 35.8 | 31.5 |
| 1194.0 | 65° | 783.5 | 242.2 | 56.3 | 43.0 | 41.4 | 39.4 | 36.8 | 34.1 | 28.6 | 24.3 |
| 778.9 | 67.5° | 494.2 | 114.7 | 40.2 | 32.5 | 32.7 | 31.7 | 30.5 | 28.4 | 24.3 | 20.4 |
| 348.9 | 70° | 217.6 | 55.6 | 26.5 | 24.8 | 24.3 | 24.3 | 25.3 | 24.5 | 20.7 | 17.1 |
| 121.2 | 72.5° | 74.1 | 29.8 | 19.7 | 18.8 | 17.6 | 17.3 | 21.2 | 20.4 | 16.6 | 13.2 |
| 60.4 | 75° | 38.7 | 20.0 | 14.4 | 13.5 | 10.6 | 12.7 | 16.8 | 15.9 | 11.8 | 8.7 |
| 39.9 | 77.5° | 25.3 | 14.2 | 9.9 | 8.7 | 6.0 | 8.4 | 12.5 | 11.1 | 7.0 | 4.3 |
| 26.2 | 80° | 15.9 | 9.4 | 5.8 | 4.1 | 2.9 | 4.6 | 6.7 | 4.8 | 2.6 | 1.0 |
| 15.4 | 82.5° | 8.4 | 4.8 | 2.2 | 1.4 | 1.2 | 1.4 | 1.7 | 1.2 | 0.5 | 0.0 |
| 7.9 | 85° | 3.4 | 1.7 | 0.7 | 0.5 | 0.2 | 0.0 | 0.5 | 0.2 | 0.0 | 0.0 |
| 1.4 | 87.5° | 1.2 | 0.2 | 0.0 | 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/> |
| 475.7 |
| 444.4 |
| 372.0 |
| 277.3 |
| 187.1 |
| 151.5 |
| 147.7 |
| 145.5 |
| 142.1 |
| 138.8 |
| 136.6 |
| 134.9 |
| 133.2 |
| 131.5 |
| 130.3 |
| 128.9 |
| 124.3 |
| 114.2 |
| 101.0 |
| 87.3 |
| 75.0 |
| 64.2 |
| 55.3 |
| 46.9 |
| 39.2 |
| 30.8 |
| 23.6 |
| 20.0 |
| 16.4 |
| 12.5 |
| 7.9 |
| 3.8 |
| 0.7 |
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