

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: P845785

Luminaire Tested: **GLAN-SB1A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2713 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

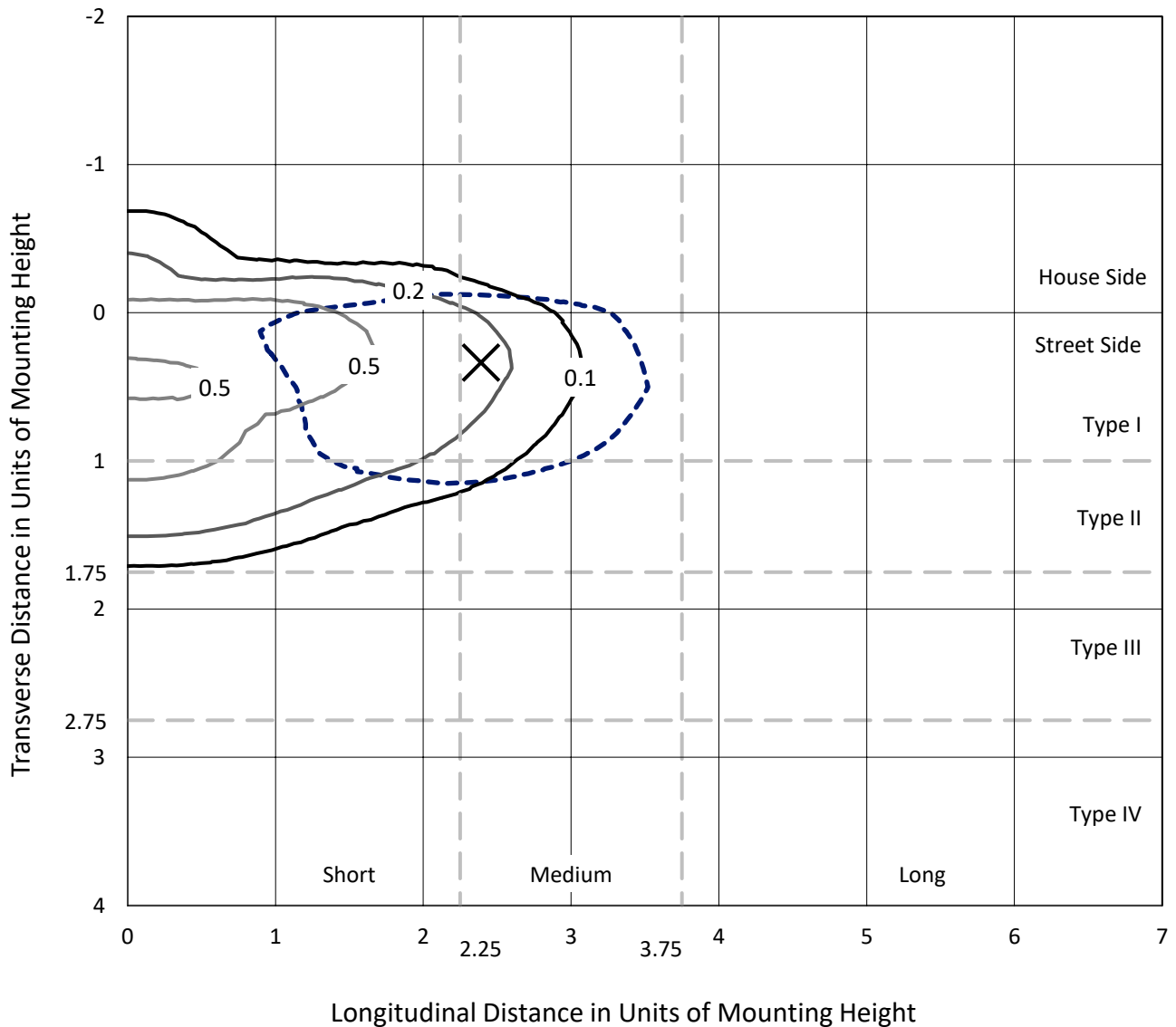
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

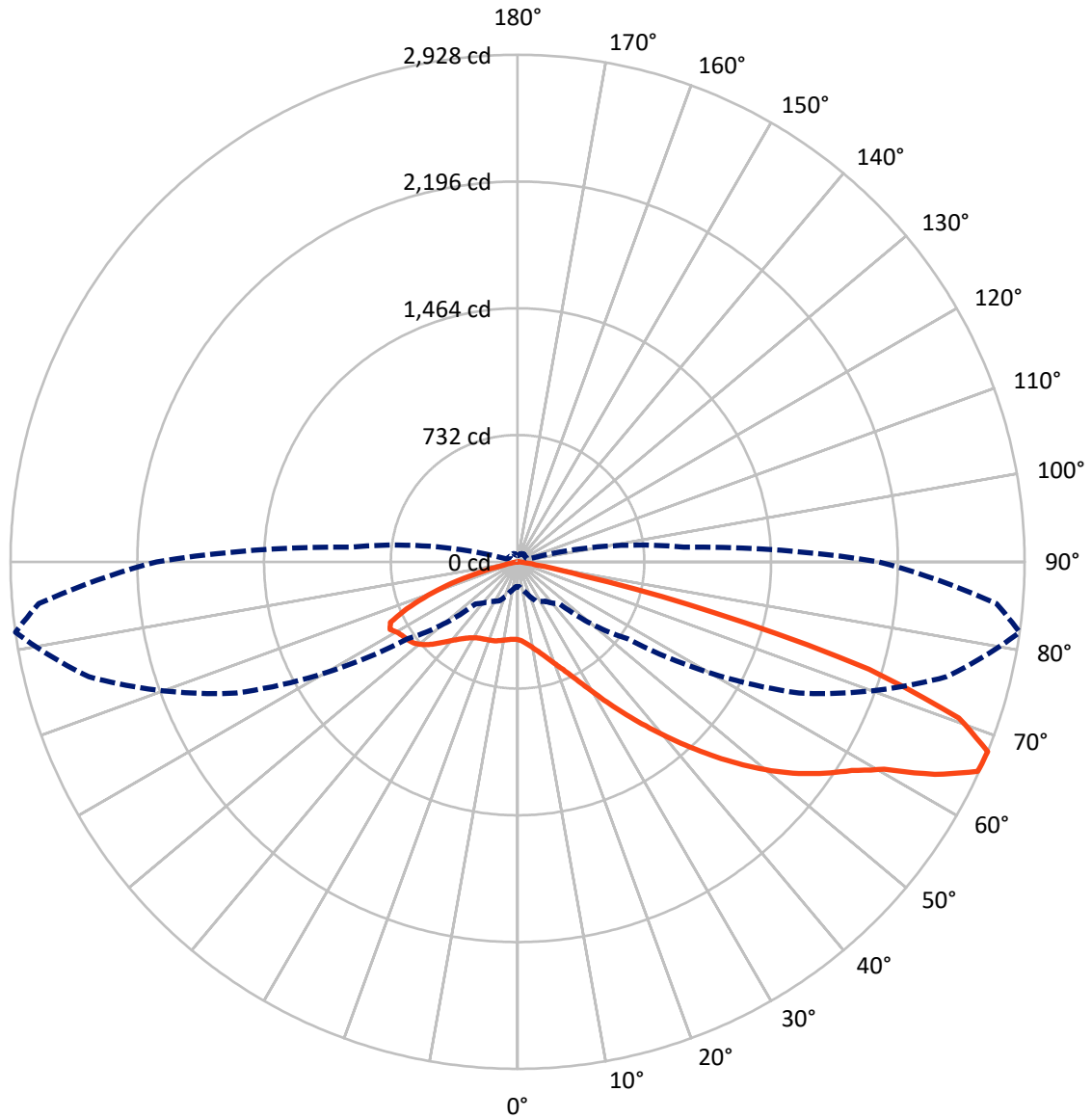
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 491.4 | 0.0 | 491.4 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 2221.6 | 0.0 | 2221.6 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 2713.0 | 0.0 | 2713.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.0 | 1.5 |
| 10°-20° | 104.1 | 3.8 |
| 20°-30° | 166.7 | 6.1 |
| 30°-40° | 294.7 | 10.9 |
| 40°-50° | 516.4 | 19.0 |
| 50°-60° | 688.7 | 25.4 |
| 60°-70° | 641.1 | 23.6 |
| 70°-80° | 246.1 | 9.1 |
| 80°-90° | 15.3 | 0.6 |
| 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° | 2713.0 | 100.0 |
| 0°-180° | 2713.0 | 100.0 |

Coefficient of Utilization

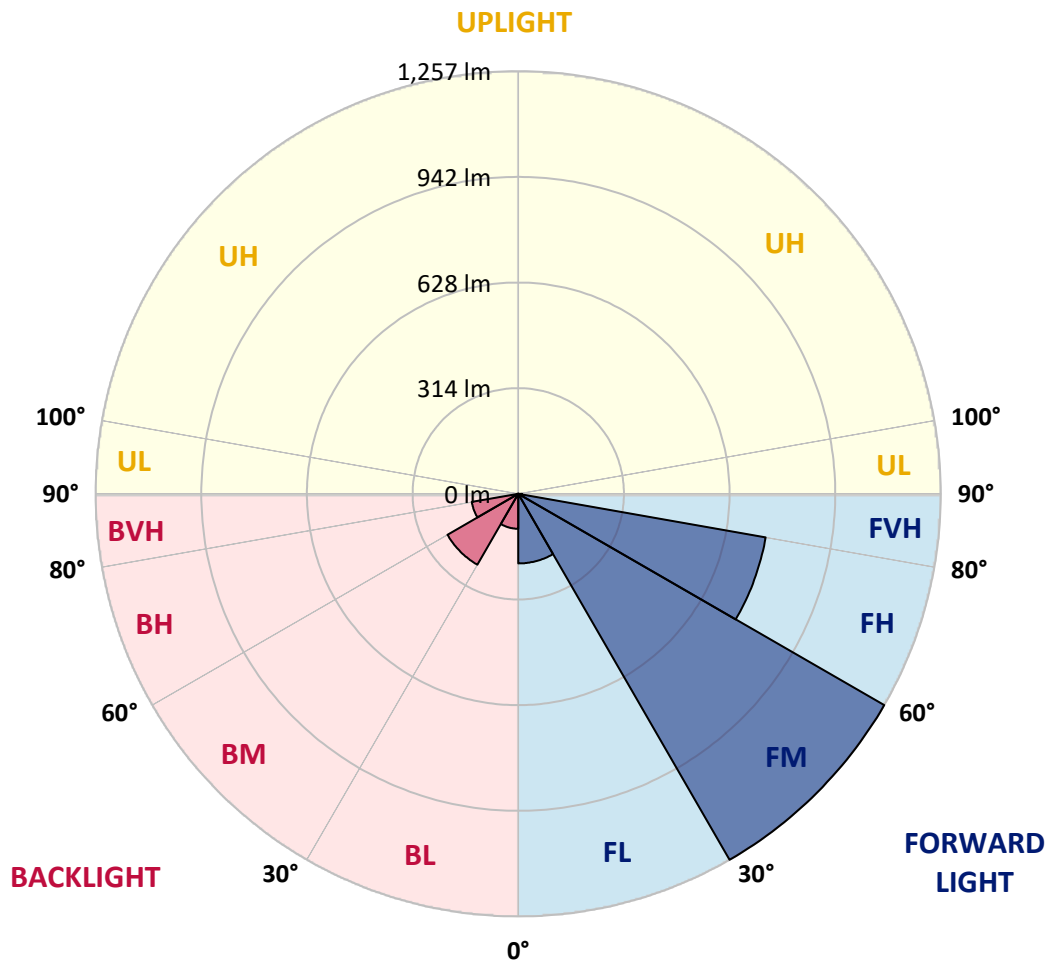


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 207.0 | 7.6 | | | |
| FM (30°-60°) | 1256.6 | 46.3 | | | |
| FH (60°-80°) | 746.9 | 27.5 | | | G1/1800 |
| FVH (80°-90°) | 11.1 | 0.4 | | | G1/100 |
| BL (0°-30°) | 103.8 | 3.8 | B0/110 | | |
| BM (30°-60°) | 243.2 | 9.0 | B1/1000 | | |
| BH (60°-80°) | 140.3 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.2 | 0.2 | | | 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 II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 |
| 2.5° | 475.0 | 477.8 | 476.2 | 475.4 | 474.1 | 472.1 | 470.5 | 465.7 | 460.6 | 457.3 |
| 5° | 484.6 | 487.3 | 487.2 | 487.9 | 488.9 | 489.5 | 489.1 | 483.6 | 476.4 | 470.7 |
| 7.5° | 476.4 | 479.5 | 482.1 | 486.0 | 492.8 | 500.0 | 503.6 | 502.4 | 495.0 | 487.2 |
| 10° | 453.2 | 456.5 | 462.5 | 471.7 | 486.2 | 501.8 | 514.9 | 520.9 | 516.3 | 507.7 |
| 12.5° | 410.6 | 413.9 | 425.8 | 445.7 | 470.0 | 497.1 | 522.1 | 538.3 | 539.5 | 530.9 |
| 15° | 362.7 | 366.0 | 378.7 | 403.7 | 440.7 | 484.2 | 526.0 | 556.7 | 567.0 | 559.6 |
| 17.5° | 333.0 | 336.0 | 345.5 | 365.7 | 404.1 | 458.4 | 524.7 | 576.2 | 599.9 | 594.0 |
| 20° | 324.1 | 326.6 | 331.1 | 345.1 | 377.2 | 431.7 | 515.7 | 594.6 | 635.2 | 631.9 |
| 22.5° | 333.6 | 336.0 | 337.3 | 343.6 | 363.7 | 414.1 | 504.3 | 613.3 | 676.2 | 676.6 |
| 25° | 355.7 | 358.0 | 356.5 | 360.4 | 369.2 | 408.6 | 500.0 | 635.4 | 727.8 | 732.1 |
| 27.5° | 392.0 | 392.2 | 388.5 | 388.3 | 389.7 | 416.8 | 504.5 | 659.0 | 792.8 | 800.8 |
| 30° | 464.9 | 462.0 | 447.7 | 432.3 | 425.2 | 441.4 | 517.0 | 687.0 | 869.6 | 883.9 |
| 32.5° | 577.2 | 572.9 | 546.7 | 509.8 | 472.7 | 481.1 | 539.5 | 718.8 | 953.2 | 979.0 |
| 35° | 699.1 | 697.9 | 670.6 | 615.7 | 550.8 | 537.5 | 576.0 | 760.6 | 1044.4 | 1085.4 |
| 37.5° | 812.4 | 811.8 | 796.2 | 731.5 | 652.6 | 616.3 | 634.6 | 815.3 | 1142.1 | 1201.5 |
| 40° | 915.9 | 917.7 | 902.0 | 844.2 | 764.7 | 717.2 | 714.3 | 882.9 | 1250.7 | 1327.8 |
| 42.5° | 1005.4 | 1007.3 | 991.5 | 948.7 | 875.5 | 829.0 | 812.2 | 965.7 | 1356.8 | 1463.6 |
| 45° | 1066.1 | 1078.2 | 1075.9 | 1041.7 | 989.1 | 940.9 | 929.8 | 1069.6 | 1477.7 | 1607.6 |
| 47.5° | 1083.3 | 1094.4 | 1112.0 | 1116.7 | 1084.7 | 1037.2 | 1050.5 | 1194.8 | 1599.9 | 1751.7 |
| 50° | 1040.9 | 1051.3 | 1087.8 | 1136.4 | 1158.7 | 1144.0 | 1167.9 | 1329.0 | 1725.1 | 1895.5 |
| 52.5° | 957.3 | 967.9 | 1014.0 | 1090.9 | 1181.7 | 1227.8 | 1285.7 | 1461.3 | 1846.4 | 2031.6 |
| 55° | 836.4 | 847.5 | 906.7 | 993.8 | 1137.8 | 1262.4 | 1383.9 | 1593.3 | 1957.6 | 2154.1 |
| 57.5° | 671.9 | 680.1 | 741.7 | 863.6 | 1027.2 | 1228.0 | 1456.4 | 1737.5 | 2062.3 | 2274.4 |
| 60° | 437.9 | 445.2 | 516.6 | 652.6 | 844.0 | 1113.2 | 1470.8 | 1898.2 | 2201.4 | 2430.9 |
| 62.5° | 291.2 | 296.1 | 338.5 | 438.3 | 594.4 | 892.7 | 1386.3 | 2026.5 | 2405.3 | 2703.2 |
| 65° | 199.8 | 204.7 | 247.1 | 316.6 | 384.0 | 590.5 | 1143.1 | 2009.5 | 2590.1 | 2919.4 |
| 67.5° | 142.6 | 146.7 | 182.6 | 248.3 | 278.0 | 343.0 | 774.9 | 1792.3 | 2563.5 | 2927.6 |
| 70° | 102.2 | 104.5 | 134.2 | 193.4 | 220.9 | 206.1 | 430.9 | 1370.8 | 2244.5 | 2703.4 |
| 72.5° | 71.5 | 72.3 | 93.2 | 147.3 | 177.9 | 150.4 | 205.1 | 913.9 | 1697.6 | 2121.9 |
| 75° | 48.4 | 49.4 | 62.7 | 108.0 | 142.8 | 114.9 | 108.6 | 490.1 | 996.6 | 1174.5 |
| 77.5° | 29.7 | 30.1 | 40.4 | 73.8 | 106.8 | 87.5 | 69.9 | 207.6 | 385.6 | 378.5 |
| 80° | 16.8 | 16.8 | 25.8 | 45.9 | 72.9 | 56.5 | 49.0 | 88.3 | 122.1 | 107.2 |
| 82.5° | 9.4 | 9.6 | 18.8 | 28.5 | 48.2 | 33.4 | 27.0 | 40.8 | 52.7 | 46.7 |
| 85° | 3.9 | 4.3 | 11.5 | 13.5 | 23.0 | 16.6 | 10.9 | 17.2 | 19.5 | 17.4 |
| 87.5° | 0.4 | 0.6 | 3.5 | 2.5 | 2.7 | 3.3 | 1.6 | 3.3 | 2.7 | 2.7 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 449.5 | 0° | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 | 449.5 |
| 456.1 | 2.5° | 452.4 | 449.5 | 442.0 | 433.4 | 422.1 | 416.6 | 409.2 | 404.1 | 399.8 | 400.2 |
| 467.4 | 5° | 461.2 | 453.7 | 437.1 | 416.4 | 390.7 | 372.3 | 352.8 | 339.3 | 328.3 | 326.0 |
| 483.0 | 7.5° | 473.3 | 461.6 | 432.5 | 395.2 | 351.6 | 318.6 | 289.1 | 270.1 | 256.7 | 252.4 |
| 502.0 | 10° | 488.9 | 471.9 | 426.4 | 368.4 | 305.7 | 263.7 | 232.1 | 217.2 | 208.0 | 204.9 |
| 524.3 | 12.5° | 507.1 | 483.8 | 418.4 | 335.8 | 258.4 | 218.0 | 197.9 | 190.4 | 187.5 | 186.5 |
| 551.6 | 15° | 529.9 | 498.7 | 406.3 | 297.1 | 218.4 | 190.1 | 181.5 | 180.5 | 180.9 | 180.5 |
| 584.4 | 17.5° | 557.1 | 514.9 | 386.6 | 257.2 | 191.4 | 175.8 | 172.7 | 173.5 | 174.4 | 174.2 |
| 621.1 | 20° | 586.8 | 530.9 | 361.4 | 221.9 | 173.1 | 165.6 | 163.9 | 164.7 | 165.4 | 165.1 |
| 663.5 | 22.5° | 620.6 | 548.1 | 333.4 | 194.4 | 160.8 | 156.3 | 154.3 | 154.5 | 154.5 | 153.7 |
| 717.2 | 25° | 661.0 | 567.0 | 304.1 | 174.8 | 151.4 | 147.9 | 145.5 | 144.7 | 143.6 | 141.2 |
| 782.5 | 27.5° | 709.2 | 587.2 | 276.0 | 161.1 | 144.0 | 140.6 | 137.9 | 135.9 | 133.0 | 129.1 |
| 860.8 | 30° | 763.5 | 611.6 | 252.2 | 152.6 | 138.1 | 134.8 | 131.7 | 128.7 | 124.4 | 119.5 |
| 950.9 | 32.5° | 827.4 | 637.7 | 234.8 | 146.9 | 132.8 | 129.3 | 125.6 | 122.1 | 117.4 | 112.5 |
| 1052.0 | 35° | 903.6 | 669.4 | 224.6 | 143.0 | 128.7 | 124.0 | 119.9 | 116.0 | 112.5 | 108.2 |
| 1162.0 | 37.5° | 986.2 | 703.0 | 221.5 | 141.0 | 126.0 | 118.8 | 114.1 | 111.3 | 110.9 | 108.4 |
| 1281.0 | 40° | 1076.7 | 742.8 | 223.8 | 139.9 | 123.1 | 113.7 | 108.6 | 108.0 | 109.0 | 104.5 |
| 1408.1 | 42.5° | 1172.4 | 790.1 | 227.8 | 138.5 | 119.0 | 108.6 | 103.7 | 103.7 | 102.9 | 96.7 |
| 1542.5 | 45° | 1275.9 | 844.6 | 231.7 | 135.2 | 114.1 | 103.5 | 99.8 | 98.4 | 95.1 | 89.1 |
| 1677.7 | 47.5° | 1380.2 | 900.1 | 234.6 | 129.1 | 108.2 | 99.2 | 95.9 | 92.8 | 87.9 | 82.4 |
| 1810.3 | 50° | 1479.2 | 949.9 | 231.5 | 120.1 | 101.6 | 95.1 | 91.6 | 87.3 | 82.0 | 78.3 |
| 1935.9 | 52.5° | 1567.7 | 993.1 | 218.2 | 109.6 | 94.5 | 90.8 | 87.7 | 83.2 | 78.9 | 75.0 |
| 2049.2 | 55° | 1644.7 | 1028.0 | 194.7 | 99.6 | 88.3 | 87.1 | 84.0 | 78.3 | 72.5 | 69.1 |
| 2161.5 | 57.5° | 1718.5 | 1054.6 | 165.4 | 91.4 | 82.6 | 83.0 | 78.3 | 73.2 | 67.8 | 64.3 |
| 2312.9 | 60° | 1816.8 | 1090.1 | 135.8 | 83.8 | 76.6 | 77.7 | 72.7 | 69.0 | 62.1 | 57.6 |
| 2572.5 | 62.5° | 1973.8 | 1145.4 | 107.8 | 74.4 | 69.5 | 69.9 | 67.8 | 63.3 | 55.1 | 49.8 |
| 2764.9 | 65° | 2098.4 | 1125.1 | 85.0 | 64.3 | 61.5 | 62.1 | 62.1 | 57.2 | 48.4 | 42.4 |
| 2775.2 | 67.5° | 2084.4 | 963.4 | 67.8 | 54.3 | 53.9 | 54.3 | 55.7 | 51.6 | 43.0 | 38.1 |
| 2563.9 | 70° | 1920.1 | 766.3 | 54.3 | 45.1 | 46.9 | 45.9 | 49.8 | 47.1 | 38.7 | 33.8 |
| 1987.7 | 72.5° | 1566.7 | 552.0 | 41.4 | 37.3 | 35.9 | 37.5 | 44.9 | 42.4 | 32.2 | 26.8 |
| 1052.8 | 75° | 915.5 | 294.6 | 30.9 | 29.5 | 26.0 | 31.3 | 39.8 | 36.1 | 24.6 | 19.7 |
| 322.7 | 77.5° | 298.1 | 102.7 | 22.7 | 21.7 | 19.3 | 25.2 | 34.0 | 30.5 | 20.1 | 15.6 |
| 94.5 | 80° | 79.9 | 31.1 | 15.4 | 14.3 | 12.5 | 18.8 | 27.0 | 24.2 | 14.5 | 10.2 |
| 40.6 | 82.5° | 32.0 | 13.1 | 9.0 | 8.0 | 6.8 | 12.9 | 21.3 | 19.5 | 10.7 | 6.4 |
| 12.7 | 85° | 10.4 | 4.3 | 3.3 | 2.5 | 3.1 | 8.0 | 12.7 | 13.3 | 7.6 | 3.3 |
| 2.0 | 87.5° | 1.4 | 0.6 | 0.6 | 0.8 | 0.6 | 1.4 | 3.9 | 3.7 | 2.1 | 0.4 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| 180° |
|-------|
| 449.5 |
| 396.3 |
| 320.7 |
| 248.1 |
| 202.6 |
| 186.0 |
| 180.3 |
| 173.8 |
| 164.9 |
| 153.3 |
| 140.8 |
| 128.7 |
| 119.2 |
| 112.7 |
| 107.8 |
| 108.2 |
| 104.7 |
| 96.7 |
| 88.9 |
| 82.2 |
| 77.7 |
| 74.6 |
| 68.8 |
| 63.9 |
| 57.0 |
| 49.4 |
| 41.8 |
| 37.3 |
| 33.2 |
| 26.2 |
| 19.1 |
| 15.0 |
| 10.0 |
| 6.4 |
| 2.5 |
| 0.0 |
| 0.0 |

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