

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: P852089

Luminaire Tested: **GLAN-SB1B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5463 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

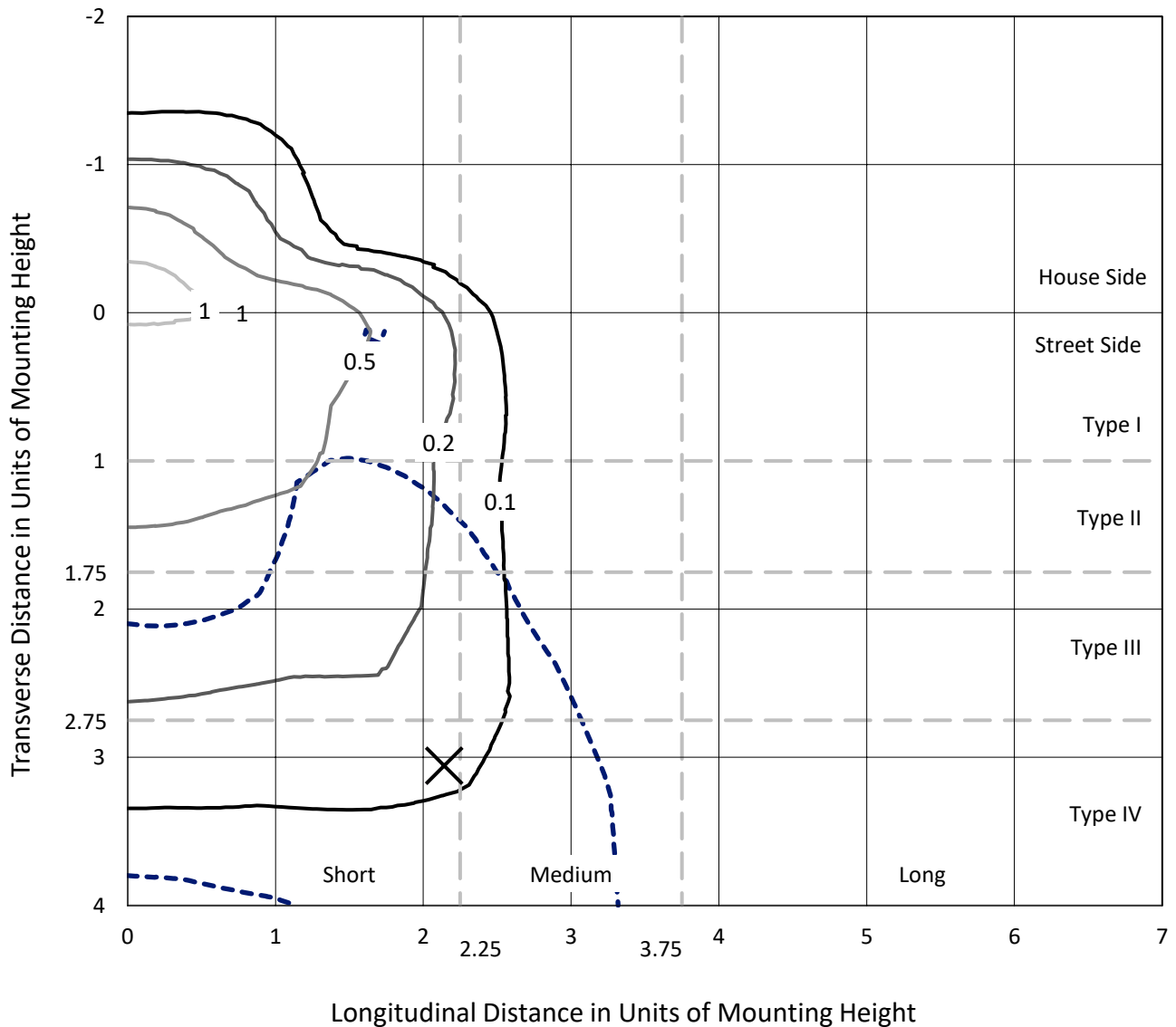
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

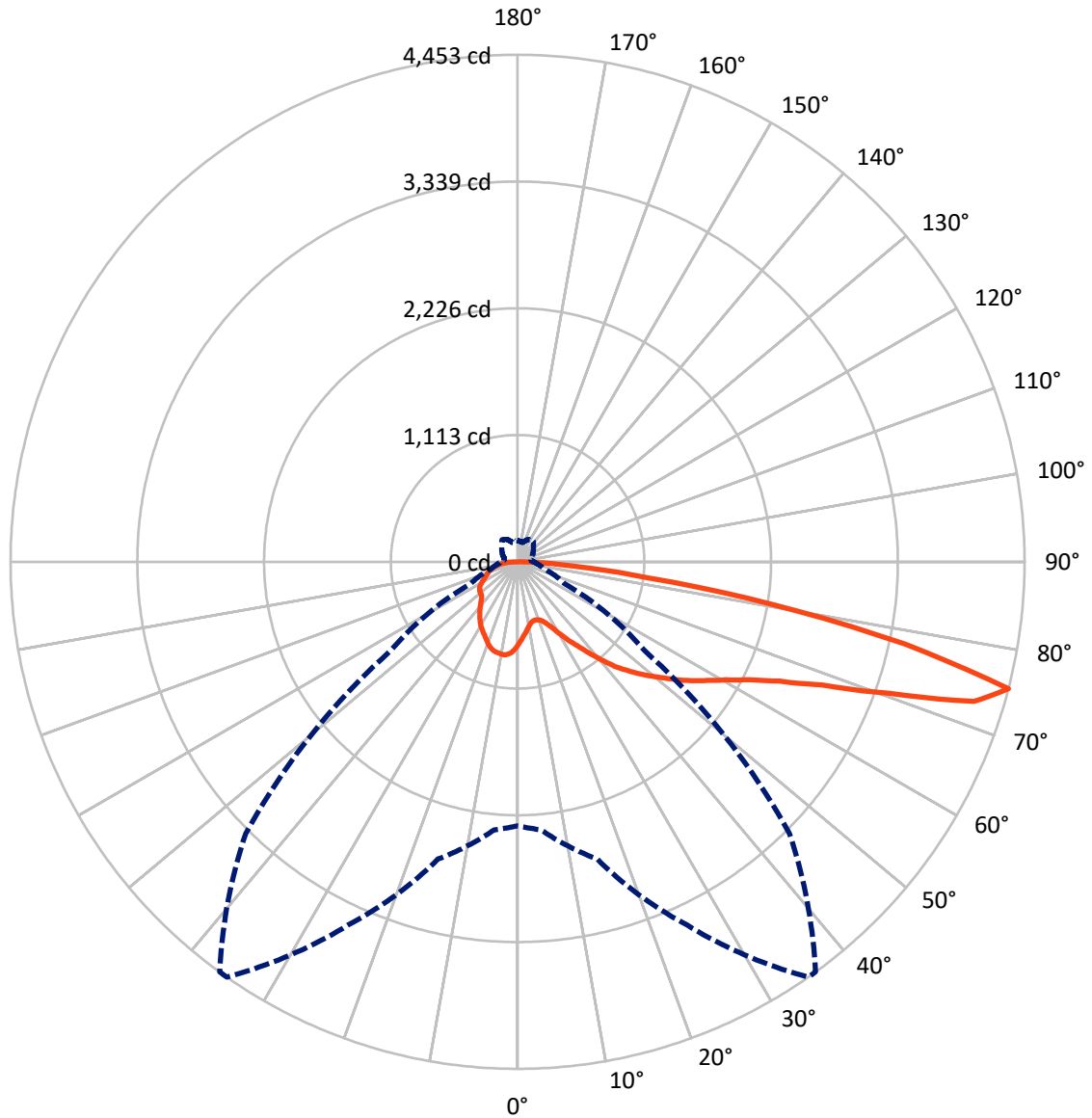
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1300.1 | 0.0 | 1300.1 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 4162.9 | 0.0 | 4162.9 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 5463.0 | 0.0 | 5463.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 68.9 | 1.3 |
| 10°-20° | 198.8 | 3.6 |
| 20°-30° | 333.9 | 6.1 |
| 30°-40° | 518.9 | 9.5 |
| 40°-50° | 770.1 | 14.1 |
| 50°-60° | 1063.2 | 19.5 |
| 60°-70° | 1289.9 | 23.6 |
| 70°-80° | 1066.0 | 19.5 |
| 80°-90° | 153.3 | 2.8 |
| 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° | 5463.0 | 100.0 |
| 0°-180° | 5463.0 | 100.0 |

Coefficient of Utilization

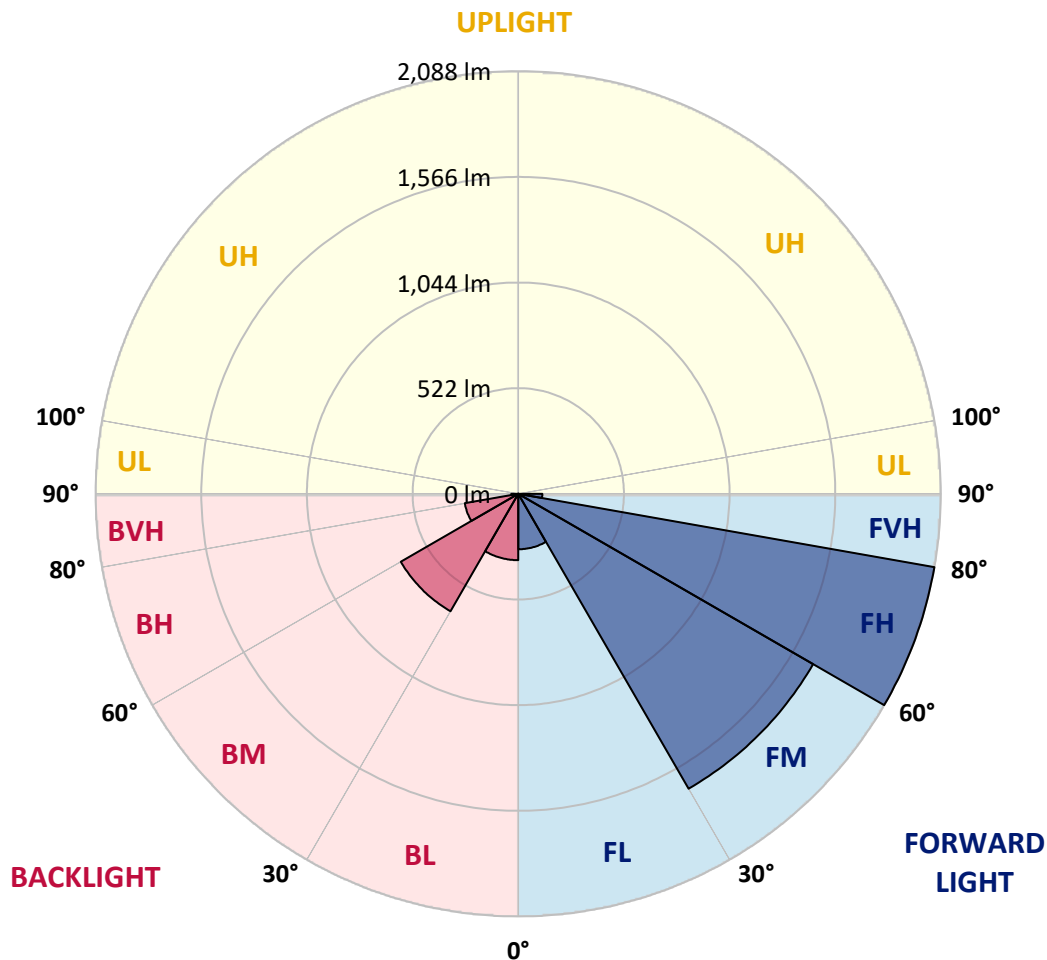


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 274.0 | 5.0 | | | |
| FM (30°-60°) | 1682.3 | 30.8 | | | |
| FH (60°-80°) | 2087.9 | 38.2 | | | G2/5000 |
| FVH (80°-90°) | 118.8 | 2.2 | | | G2/225 |
| BL (0°-30°) | 327.6 | 6.0 | B1/500 | | |
| BM (30°-60°) | 669.9 | 12.3 | B1/1000 | | |
| BH (60°-80°) | 268.0 | 4.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 34.5 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 |
| 2.5° | 671.3 | 675.4 | 677.2 | 676.3 | 680.7 | 680.1 | 686.3 | 694.0 | 704.7 | 715.0 |
| 5° | 619.6 | 624.0 | 627.9 | 631.4 | 640.0 | 642.6 | 652.4 | 667.1 | 686.6 | 706.4 |
| 7.5° | 571.5 | 575.3 | 581.2 | 587.7 | 602.2 | 604.8 | 621.1 | 644.1 | 671.3 | 700.2 |
| 10° | 532.2 | 536.0 | 542.2 | 549.6 | 567.6 | 570.9 | 591.5 | 622.3 | 657.7 | 694.3 |
| 12.5° | 515.3 | 516.5 | 520.1 | 527.5 | 543.1 | 545.2 | 567.9 | 603.1 | 644.4 | 689.9 |
| 15° | 514.5 | 516.8 | 517.1 | 521.0 | 534.0 | 534.8 | 555.8 | 590.7 | 636.1 | 689.0 |
| 17.5° | 523.3 | 525.1 | 522.4 | 524.8 | 535.7 | 537.2 | 553.7 | 584.7 | 633.5 | 692.8 |
| 20° | 546.9 | 548.4 | 540.4 | 537.2 | 545.2 | 546.4 | 562.6 | 588.6 | 636.1 | 700.8 |
| 22.5° | 597.2 | 598.0 | 578.5 | 565.3 | 565.8 | 566.4 | 580.6 | 604.2 | 646.5 | 715.3 |
| 25° | 675.4 | 674.8 | 643.8 | 618.1 | 603.4 | 600.1 | 609.6 | 629.6 | 663.9 | 734.5 |
| 27.5° | 767.0 | 762.5 | 731.5 | 693.1 | 660.9 | 656.2 | 654.1 | 662.7 | 688.7 | 759.9 |
| 30° | 870.3 | 866.2 | 832.8 | 782.6 | 738.0 | 730.3 | 710.9 | 706.4 | 725.6 | 794.4 |
| 32.5° | 983.7 | 981.1 | 941.2 | 880.4 | 820.7 | 811.9 | 779.1 | 767.3 | 782.3 | 846.7 |
| 35° | 1078.8 | 1076.5 | 1043.4 | 980.8 | 907.8 | 896.9 | 863.5 | 850.2 | 857.9 | 913.7 |
| 37.5° | 1164.8 | 1163.6 | 1135.2 | 1085.9 | 1010.6 | 997.3 | 959.8 | 955.4 | 953.9 | 1002.0 |
| 40° | 1244.5 | 1241.6 | 1212.0 | 1186.0 | 1130.2 | 1118.1 | 1085.0 | 1081.2 | 1070.0 | 1110.7 |
| 42.5° | 1332.8 | 1325.1 | 1282.3 | 1270.2 | 1255.1 | 1245.1 | 1225.3 | 1225.9 | 1201.1 | 1233.3 |
| 45° | 1404.9 | 1400.4 | 1356.4 | 1349.4 | 1365.6 | 1361.5 | 1378.6 | 1383.0 | 1334.9 | 1361.8 |
| 47.5° | 1482.2 | 1478.1 | 1440.9 | 1435.9 | 1479.9 | 1481.1 | 1541.6 | 1543.1 | 1465.4 | 1495.2 |
| 50° | 1577.6 | 1571.7 | 1534.8 | 1541.0 | 1590.3 | 1594.8 | 1705.5 | 1695.5 | 1585.6 | 1630.8 |
| 52.5° | 1640.5 | 1644.1 | 1636.1 | 1646.2 | 1713.5 | 1717.6 | 1866.8 | 1841.1 | 1704.6 | 1764.6 |
| 55° | 1686.9 | 1694.0 | 1718.8 | 1741.8 | 1843.4 | 1847.6 | 2018.9 | 1979.6 | 1803.3 | 1888.6 |
| 57.5° | 1746.6 | 1736.5 | 1782.9 | 1827.8 | 1966.9 | 1977.8 | 2166.8 | 2113.1 | 1890.7 | 1995.5 |
| 60° | 1832.2 | 1825.1 | 1861.2 | 1927.6 | 2105.1 | 2122.5 | 2323.3 | 2233.3 | 1954.8 | 2080.3 |
| 62.5° | 2005.9 | 1988.1 | 1993.8 | 2052.5 | 2279.3 | 2302.4 | 2499.9 | 2338.1 | 1986.7 | 2113.4 |
| 65° | 2265.5 | 2235.0 | 2206.7 | 2247.4 | 2524.8 | 2547.5 | 2699.3 | 2420.5 | 1974.9 | 2049.3 |
| 67.5° | 2592.4 | 2562.3 | 2527.4 | 2565.8 | 2886.2 | 2904.2 | 2945.3 | 2466.9 | 1881.8 | 1802.4 |
| 70° | 2862.0 | 2850.8 | 2892.4 | 3050.4 | 3463.6 | 3464.2 | 3260.7 | 2428.5 | 1627.0 | 1277.9 |
| 72.5° | 2826.3 | 2819.5 | 3038.9 | 3527.4 | 4191.3 | 4175.6 | 3559.3 | 2137.9 | 1096.0 | 576.5 |
| 75° | 2318.6 | 2362.6 | 2702.5 | 3518.8 | 4452.6 | 4450.6 | 3376.5 | 1359.1 | 453.3 | 238.9 |
| 77.5° | 1243.3 | 1313.0 | 1754.5 | 2598.0 | 3476.0 | 3528.3 | 2373.8 | 475.5 | 194.6 | 153.0 |
| 80° | 405.5 | 466.3 | 699.3 | 1322.8 | 2258.7 | 2248.9 | 1017.4 | 186.6 | 133.2 | 108.4 |
| 82.5° | 172.2 | 179.3 | 312.5 | 624.6 | 1159.2 | 1141.1 | 324.0 | 107.2 | 93.6 | 74.1 |
| 85° | 67.3 | 75.3 | 137.9 | 288.8 | 502.1 | 491.1 | 116.9 | 53.2 | 60.0 | 48.4 |
| 87.5° | 22.1 | 26.9 | 49.3 | 98.9 | 156.2 | 150.6 | 28.6 | 18.3 | 26.0 | 22.1 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 728.0 | 0° | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 |
| 730.0 | 2.5° | 734.2 | 738.9 | 744.5 | 752.8 | 759.9 | 765.8 | 772.0 | 775.8 | 777.3 | 781.7 |
| 731.2 | 5° | 739.5 | 749.8 | 763.7 | 777.3 | 790.6 | 798.6 | 805.7 | 809.2 | 812.4 | 814.8 |
| 734.5 | 7.5° | 748.4 | 761.6 | 783.5 | 801.2 | 812.4 | 818.9 | 823.7 | 822.5 | 823.7 | 824.3 |
| 738.0 | 10° | 756.0 | 774.6 | 800.6 | 817.5 | 826.0 | 826.3 | 825.1 | 821.0 | 818.9 | 819.2 |
| 743.3 | 12.5° | 765.2 | 785.9 | 813.9 | 828.1 | 830.5 | 824.0 | 818.9 | 811.9 | 809.2 | 808.0 |
| 751.3 | 15° | 777.6 | 801.2 | 828.4 | 833.7 | 827.8 | 819.5 | 811.0 | 799.5 | 793.5 | 788.8 |
| 764.9 | 17.5° | 792.7 | 818.6 | 839.6 | 835.8 | 823.1 | 809.5 | 795.6 | 778.2 | 766.1 | 761.1 |
| 783.5 | 20° | 813.6 | 837.0 | 848.2 | 831.3 | 812.1 | 791.5 | 767.9 | 746.6 | 735.4 | 730.3 |
| 807.1 | 22.5° | 839.0 | 861.5 | 856.4 | 823.7 | 796.5 | 763.4 | 733.9 | 718.2 | 712.6 | 709.1 |
| 837.5 | 25° | 869.4 | 888.6 | 862.4 | 812.4 | 770.8 | 726.2 | 703.5 | 698.4 | 695.8 | 693.1 |
| 874.8 | 27.5° | 909.0 | 919.4 | 866.8 | 795.9 | 730.6 | 686.6 | 678.4 | 679.3 | 678.4 | 673.9 |
| 926.4 | 30° | 961.3 | 959.2 | 870.9 | 769.0 | 684.6 | 650.9 | 651.5 | 655.3 | 655.9 | 653.0 |
| 998.5 | 32.5° | 1030.1 | 1009.1 | 873.0 | 734.2 | 640.6 | 619.6 | 620.2 | 624.3 | 627.3 | 622.3 |
| 1092.7 | 35° | 1113.4 | 1067.3 | 869.7 | 690.5 | 606.6 | 589.8 | 585.3 | 586.5 | 587.4 | 582.7 |
| 1207.0 | 37.5° | 1210.5 | 1132.6 | 855.3 | 642.0 | 578.5 | 560.5 | 551.1 | 543.1 | 538.4 | 534.0 |
| 1336.4 | 40° | 1317.2 | 1203.8 | 828.7 | 594.8 | 547.2 | 529.5 | 515.3 | 500.3 | 484.3 | 478.4 |
| 1473.4 | 42.5° | 1428.8 | 1277.0 | 796.5 | 549.6 | 511.2 | 496.7 | 481.7 | 459.8 | 435.9 | 423.8 |
| 1615.7 | 45° | 1544.6 | 1352.0 | 764.9 | 505.0 | 474.3 | 468.1 | 450.7 | 424.4 | 398.4 | 383.0 |
| 1758.4 | 47.5° | 1658.0 | 1422.9 | 718.5 | 460.1 | 439.7 | 446.5 | 432.9 | 408.7 | 379.8 | 355.6 |
| 1899.8 | 50° | 1766.4 | 1489.3 | 642.6 | 414.6 | 411.7 | 440.0 | 427.0 | 392.2 | 359.1 | 328.1 |
| 2038.6 | 52.5° | 1873.9 | 1543.1 | 545.5 | 373.3 | 396.6 | 438.3 | 419.4 | 381.0 | 340.5 | 308.0 |
| 2169.2 | 55° | 1965.1 | 1570.8 | 451.9 | 337.9 | 374.8 | 423.2 | 410.2 | 367.7 | 314.2 | 279.7 |
| 2258.7 | 57.5° | 2017.1 | 1548.4 | 373.9 | 303.0 | 344.6 | 398.4 | 394.6 | 339.3 | 282.9 | 256.3 |
| 2276.1 | 60° | 1994.6 | 1457.4 | 310.1 | 272.6 | 316.0 | 371.5 | 367.4 | 311.3 | 259.0 | 233.9 |
| 2182.8 | 62.5° | 1870.9 | 1284.1 | 259.6 | 246.0 | 290.0 | 344.1 | 340.2 | 289.7 | 240.7 | 216.5 |
| 1935.0 | 65° | 1621.6 | 1044.6 | 220.3 | 223.9 | 263.7 | 311.0 | 316.6 | 271.7 | 226.2 | 202.6 |
| 1497.0 | 67.5° | 1236.8 | 756.6 | 189.6 | 204.7 | 238.0 | 278.5 | 294.7 | 258.7 | 214.1 | 191.7 |
| 866.2 | 70° | 704.9 | 429.7 | 163.6 | 186.1 | 215.3 | 248.4 | 277.9 | 248.4 | 201.1 | 182.5 |
| 324.6 | 72.5° | 267.3 | 197.3 | 141.5 | 167.5 | 193.4 | 223.0 | 259.3 | 232.1 | 186.1 | 172.2 |
| 167.7 | 75° | 142.6 | 120.2 | 119.0 | 145.6 | 168.3 | 198.2 | 236.0 | 216.2 | 174.8 | 181.9 |
| 116.1 | 77.5° | 97.2 | 85.1 | 99.5 | 124.6 | 140.9 | 170.7 | 211.2 | 192.0 | 151.5 | 150.9 |
| 80.3 | 80° | 67.3 | 60.2 | 80.9 | 100.4 | 109.0 | 143.5 | 184.3 | 164.8 | 123.4 | 115.2 |
| 49.6 | 82.5° | 40.5 | 39.3 | 60.5 | 75.0 | 77.1 | 110.7 | 152.7 | 138.2 | 101.0 | 88.0 |
| 29.5 | 85° | 22.1 | 23.3 | 38.7 | 44.0 | 44.9 | 77.4 | 119.6 | 106.9 | 77.7 | 65.3 |
| 10.6 | 87.5° | 6.2 | 8.0 | 14.2 | 17.4 | 21.6 | 40.2 | 71.2 | 63.5 | 39.0 | 27.2 |
| 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/> |
| 728.0 |
| 781.4 |
| 815.4 |
| 825.1 |
| 819.8 |
| 807.4 |
| 790.3 |
| 761.4 |
| 729.8 |
| 709.7 |
| 693.1 |
| 674.8 |
| 654.4 |
| 624.6 |
| 585.9 |
| 536.9 |
| 481.1 |
| 425.3 |
| 381.9 |
| 352.9 |
| 325.5 |
| 304.5 |
| 276.7 |
| 252.8 |
| 230.4 |
| 212.6 |
| 198.8 |
| 188.1 |
| 180.1 |
| 169.8 |
| 187.8 |
| 139.1 |
| 110.2 |
| 88.6 |
| 65.9 |
| 27.2 |
| 0.0 |

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