

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: McGRAW-EDISON

Report Number: P940375

Luminaire Tested: **GALN-SB3B-930-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940375
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: MCGRAW-EDISON
Catalog Number: GALN-SB3B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11646 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

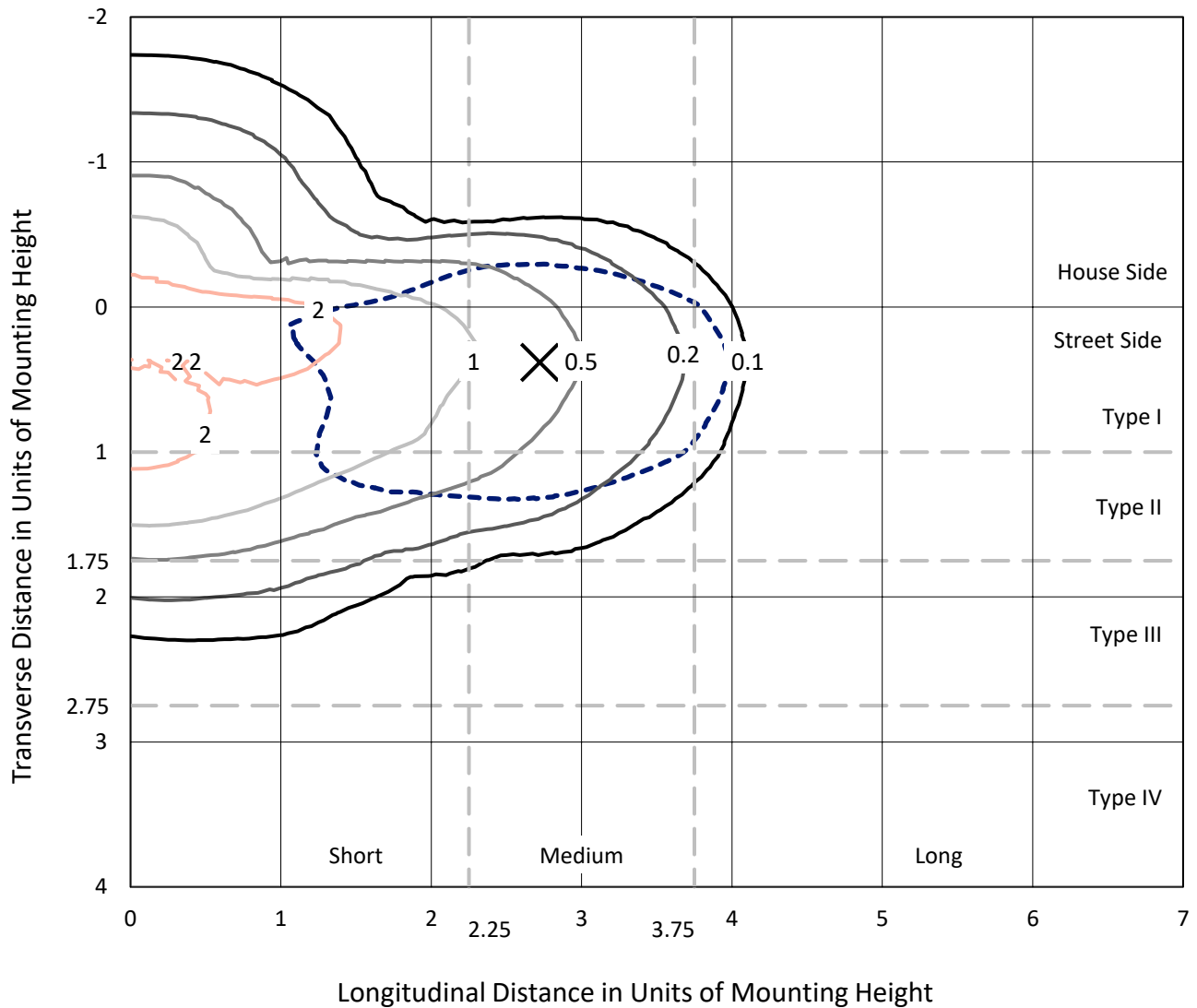
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

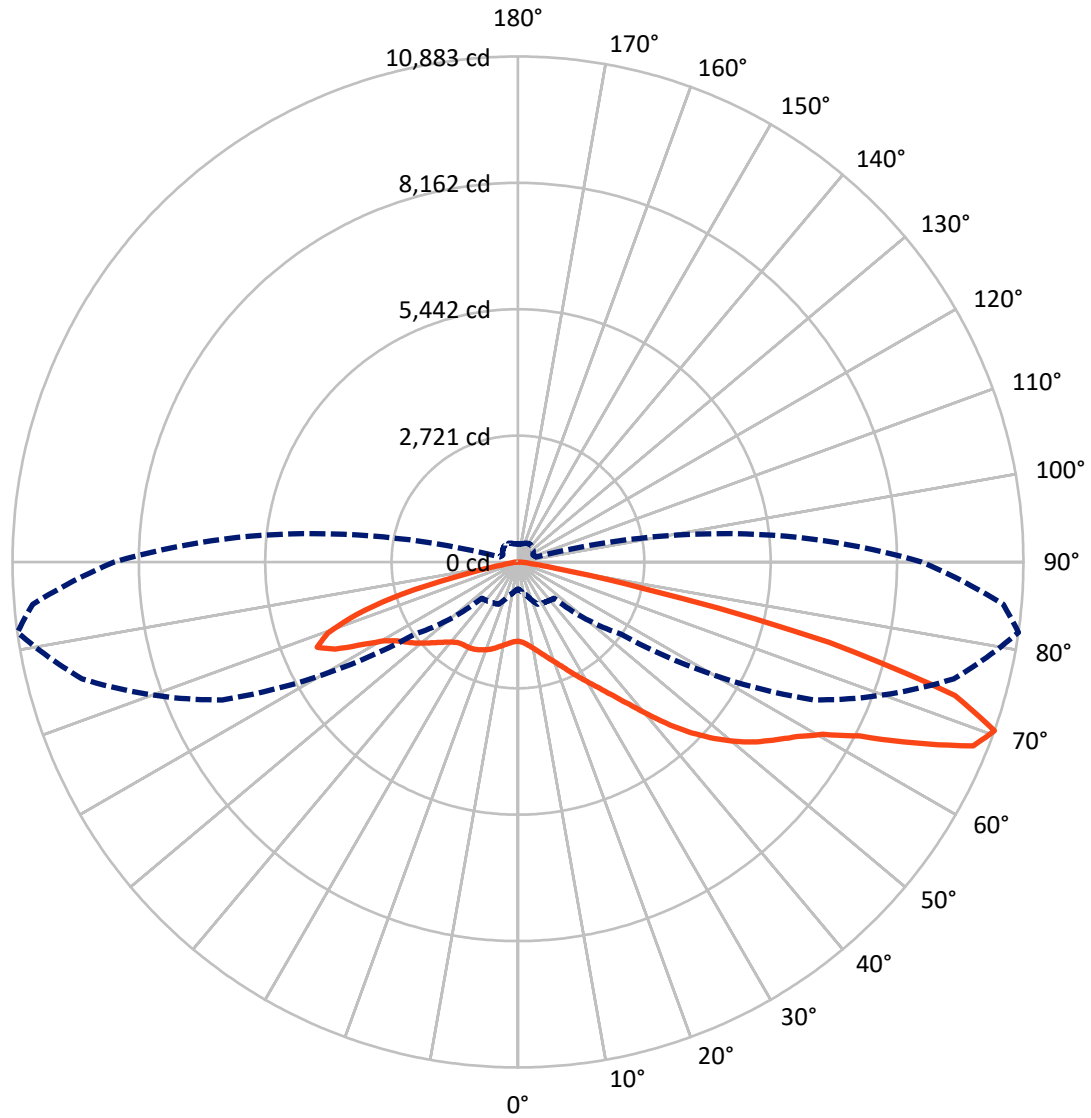
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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 | 2871.0 | 0.0 | 2871.0 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 8775.0 | 0.0 | 8775.0 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 11646.0 | 0.0 | 11646.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 161.2 | 1.4 |
| 10°-20° | 463.2 | 4.0 |
| 20°-30° | 774.8 | 6.7 |
| 30°-40° | 1210.5 | 10.4 |
| 40°-50° | 1927.9 | 16.6 |
| 50°-60° | 2682.9 | 23.0 |
| 60°-70° | 2806.4 | 24.1 |
| 70°-80° | 1466.8 | 12.6 |
| 80°-90° | 152.3 | 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° | 11646.0 | 100.0 |
| 0°-180° | 11646.0 | 100.0 |

Coefficient of Utilization



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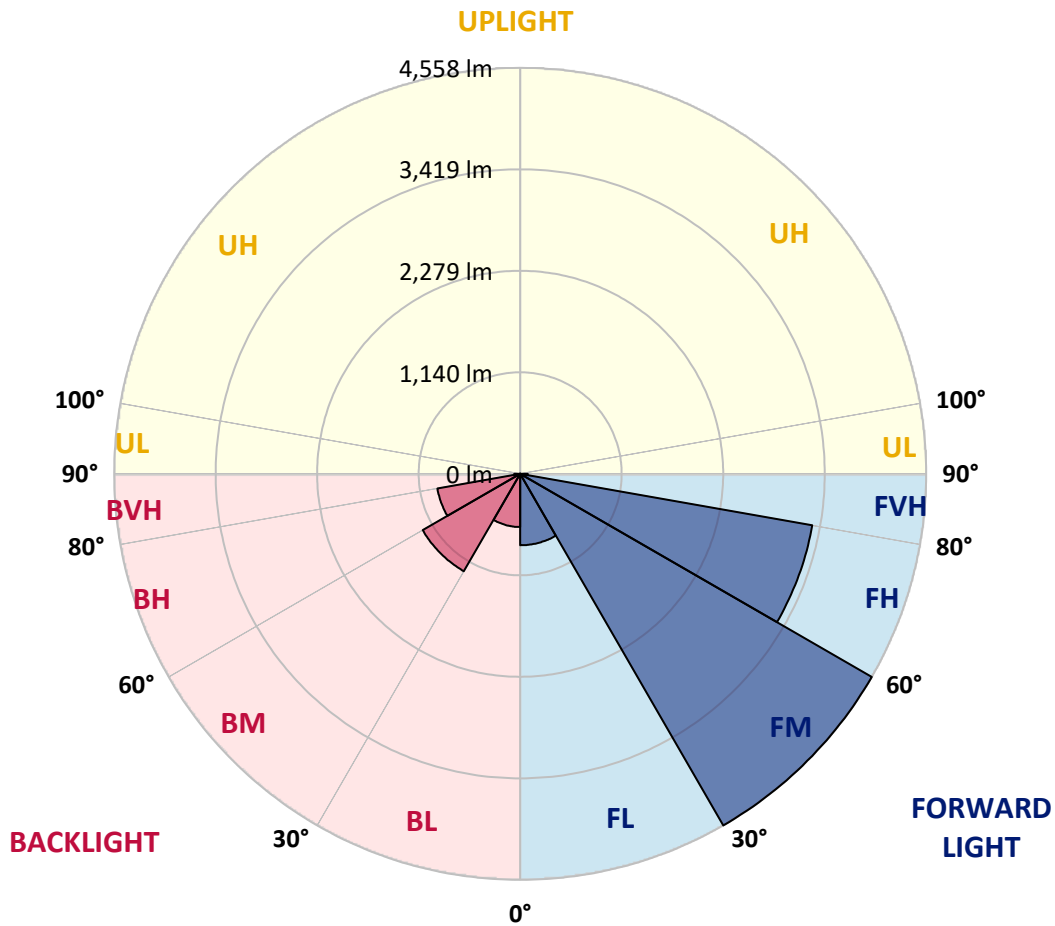
CATALOG NUMBER: GALN-SB3B-930-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 802.0 | 6.9 | | | |
| FM (30°-60°) | 4558.1 | 39.1 | | | |
| FH (60°-80°) | 3329.6 | 28.6 | | | G2/5000 |
| FVH (80°-90°) | 85.3 | 0.7 | | | G1/100 |
| BL (0°-30°) | 597.3 | 5.1 | B2/1000 | | |
| BM (30°-60°) | 1263.1 | 10.8 | B2/2500 | | |
| BH (60°-80°) | 943.6 | 8.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 67.0 | 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° | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 |
| 2.5° | 1748.2 | 1758.1 | 1755.0 | 1751.9 | 1751.9 | 1747.6 | 1747.0 | 1740.8 | 1735.9 | 1727.8 |
| 5° | 1770.5 | 1781.0 | 1779.8 | 1782.2 | 1790.3 | 1792.1 | 1794.0 | 1790.3 | 1780.4 | 1770.5 |
| 7.5° | 1750.7 | 1762.4 | 1766.2 | 1781.0 | 1805.7 | 1828.0 | 1844.6 | 1851.4 | 1842.2 | 1828.0 |
| 10° | 1684.0 | 1696.9 | 1709.9 | 1745.1 | 1789.0 | 1841.5 | 1886.0 | 1912.6 | 1910.8 | 1897.2 |
| 12.5° | 1548.6 | 1562.2 | 1590.0 | 1658.6 | 1739.0 | 1831.7 | 1914.5 | 1970.1 | 1989.2 | 1979.4 |
| 15° | 1440.5 | 1452.2 | 1473.2 | 1543.7 | 1648.1 | 1789.0 | 1925.0 | 2033.1 | 2081.9 | 2076.4 |
| 17.5° | 1437.4 | 1442.3 | 1455.3 | 1488.7 | 1569.0 | 1722.3 | 1913.9 | 2094.9 | 2188.2 | 2187.6 |
| 20° | 1491.8 | 1493.6 | 1501.0 | 1507.8 | 1553.6 | 1671.6 | 1885.4 | 2146.2 | 2307.5 | 2307.5 |
| 22.5° | 1567.2 | 1565.9 | 1573.3 | 1567.2 | 1589.4 | 1667.3 | 1867.5 | 2191.3 | 2440.4 | 2450.2 |
| 25° | 1680.3 | 1674.1 | 1672.2 | 1658.0 | 1662.3 | 1707.4 | 1887.3 | 2242.6 | 2597.9 | 2618.3 |
| 27.5° | 1831.0 | 1821.2 | 1814.4 | 1781.6 | 1770.5 | 1790.3 | 1947.8 | 2304.4 | 2773.4 | 2808.7 |
| 30° | 2027.6 | 2009.6 | 1999.7 | 1942.9 | 1902.7 | 1905.8 | 2039.3 | 2386.6 | 2957.0 | 3013.8 |
| 32.5° | 2295.8 | 2267.9 | 2241.4 | 2148.1 | 2074.5 | 2050.4 | 2157.3 | 2500.3 | 3156.0 | 3246.8 |
| 35° | 2596.1 | 2573.8 | 2545.4 | 2401.4 | 2288.3 | 2232.7 | 2316.8 | 2659.1 | 3388.9 | 3532.9 |
| 37.5° | 2885.3 | 2866.1 | 2879.7 | 2685.7 | 2539.9 | 2458.9 | 2525.6 | 2872.3 | 3676.3 | 3888.9 |
| 40° | 3184.4 | 3169.6 | 3171.4 | 2986.0 | 2816.1 | 2725.2 | 2779.0 | 3139.9 | 4005.7 | 4312.2 |
| 42.5° | 3509.4 | 3498.3 | 3461.2 | 3296.9 | 3105.9 | 3021.3 | 3070.7 | 3448.9 | 4359.2 | 4794.2 |
| 45° | 3873.4 | 3866.6 | 3832.0 | 3643.5 | 3424.8 | 3329.6 | 3396.4 | 3790.0 | 4714.5 | 5247.8 |
| 47.5° | 4188.0 | 4193.5 | 4189.2 | 4030.4 | 3803.6 | 3663.9 | 3743.7 | 4146.0 | 5045.1 | 5674.2 |
| 50° | 4339.4 | 4368.4 | 4411.1 | 4361.6 | 4220.7 | 4078.6 | 4094.0 | 4489.5 | 5360.3 | 6074.0 |
| 52.5° | 4260.3 | 4315.3 | 4431.5 | 4510.6 | 4564.9 | 4535.3 | 4493.9 | 4830.7 | 5656.9 | 6434.9 |
| 55° | 3965.5 | 4042.8 | 4235.6 | 4426.5 | 4704.0 | 4919.7 | 4974.0 | 5208.9 | 5946.1 | 6752.6 |
| 57.5° | 3428.5 | 3553.9 | 3727.0 | 4113.2 | 4580.4 | 5105.7 | 5533.9 | 5733.5 | 6252.6 | 7091.8 |
| 60° | 2507.7 | 2675.8 | 2890.9 | 3465.6 | 4147.8 | 5006.2 | 6010.4 | 6539.4 | 6688.3 | 7531.2 |
| 62.5° | 1604.9 | 1708.7 | 1906.4 | 2447.8 | 3232.0 | 4496.3 | 6156.2 | 7546.6 | 7426.8 | 8251.7 |
| 65° | 1098.7 | 1165.5 | 1346.6 | 1650.6 | 2089.4 | 3346.9 | 5765.7 | 8301.8 | 8599.7 | 9393.8 |
| 67.5° | 798.4 | 849.1 | 1003.6 | 1269.9 | 1361.4 | 1980.6 | 4474.1 | 8267.2 | 9739.8 | 10570.4 |
| 70° | 582.1 | 618.0 | 747.7 | 1003.6 | 1047.5 | 1101.8 | 2710.4 | 7027.5 | 9715.1 | 10883.1 |
| 72.5° | 431.3 | 456.1 | 543.2 | 778.6 | 847.9 | 744.0 | 1341.6 | 5107.5 | 8348.1 | 9843.6 |
| 75° | 312.1 | 330.6 | 394.9 | 595.7 | 678.5 | 566.7 | 669.3 | 2984.8 | 5823.1 | 6924.3 |
| 77.5° | 238.5 | 252.7 | 294.8 | 436.3 | 543.2 | 425.2 | 415.3 | 1373.1 | 2761.1 | 2774.7 |
| 80° | 191.6 | 200.8 | 223.7 | 307.1 | 416.5 | 318.3 | 270.7 | 554.3 | 872.6 | 738.5 |
| 82.5° | 140.9 | 156.3 | 189.1 | 215.7 | 297.9 | 219.4 | 165.0 | 279.9 | 331.8 | 285.5 |
| 85° | 80.3 | 90.8 | 114.3 | 154.5 | 190.3 | 134.1 | 94.5 | 124.2 | 154.5 | 126.7 |
| 87.5° | 28.4 | 37.1 | 40.2 | 60.6 | 82.8 | 55.6 | 36.5 | 35.8 | 50.7 | 37.7 |
| 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° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1707.4 | 0° | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 | 1707.4 |
| 1726.0 | 2.5° | 1719.8 | 1716.7 | 1704.4 | 1687.7 | 1670.4 | 1653.7 | 1648.1 | 1636.4 | 1628.3 | 1624.0 |
| 1766.2 | 5° | 1754.4 | 1744.5 | 1715.5 | 1678.4 | 1639.5 | 1597.5 | 1567.8 | 1540.6 | 1520.8 | 1502.3 |
| 1821.2 | 7.5° | 1803.9 | 1786.5 | 1736.5 | 1671.6 | 1602.4 | 1532.6 | 1480.7 | 1441.1 | 1414.5 | 1397.2 |
| 1885.4 | 10° | 1861.3 | 1834.8 | 1758.1 | 1661.1 | 1554.2 | 1454.1 | 1392.9 | 1358.9 | 1342.2 | 1333.0 |
| 1959.0 | 12.5° | 1927.4 | 1889.8 | 1780.4 | 1637.0 | 1480.7 | 1366.3 | 1324.3 | 1314.4 | 1315.0 | 1315.7 |
| 2051.7 | 15° | 2009.0 | 1956.5 | 1798.3 | 1584.5 | 1384.9 | 1299.0 | 1291.6 | 1307.6 | 1324.3 | 1332.3 |
| 2156.7 | 17.5° | 2101.1 | 2026.9 | 1801.4 | 1498.0 | 1290.9 | 1255.7 | 1279.2 | 1313.8 | 1339.1 | 1350.3 |
| 2274.1 | 20° | 2200.0 | 2098.6 | 1779.1 | 1375.6 | 1213.7 | 1220.5 | 1262.5 | 1307.0 | 1334.8 | 1349.0 |
| 2408.2 | 22.5° | 2313.1 | 2175.3 | 1726.0 | 1247.1 | 1150.7 | 1182.2 | 1231.6 | 1274.9 | 1303.9 | 1318.1 |
| 2565.8 | 25° | 2442.2 | 2261.1 | 1642.6 | 1138.9 | 1096.3 | 1138.9 | 1188.4 | 1224.2 | 1247.7 | 1260.7 |
| 2741.9 | 27.5° | 2585.6 | 2350.8 | 1531.3 | 1053.0 | 1048.7 | 1094.4 | 1135.2 | 1163.0 | 1175.4 | 1185.3 |
| 2929.2 | 30° | 2729.6 | 2432.3 | 1396.6 | 988.1 | 1007.3 | 1050.5 | 1079.6 | 1092.0 | 1095.7 | 1097.5 |
| 3138.0 | 32.5° | 2885.3 | 2502.8 | 1255.1 | 934.4 | 967.7 | 1007.9 | 1025.2 | 1030.8 | 1013.5 | 1001.7 |
| 3391.4 | 35° | 3073.8 | 2578.2 | 1116.7 | 891.7 | 928.8 | 963.4 | 969.0 | 964.0 | 943.6 | 919.5 |
| 3709.1 | 37.5° | 3306.8 | 2672.1 | 1006.1 | 861.4 | 892.3 | 915.2 | 908.4 | 907.2 | 909.0 | 880.6 |
| 4091.0 | 40° | 3592.3 | 2794.5 | 925.1 | 838.0 | 862.7 | 867.6 | 848.5 | 859.0 | 868.2 | 825.0 |
| 4509.9 | 42.5° | 3909.3 | 2942.2 | 873.8 | 821.9 | 838.0 | 826.2 | 796.6 | 808.3 | 807.1 | 750.2 |
| 4930.8 | 45° | 4232.5 | 3102.8 | 855.9 | 810.2 | 815.1 | 791.6 | 758.9 | 762.0 | 736.0 | 684.7 |
| 5334.3 | 47.5° | 4553.8 | 3275.2 | 867.0 | 800.3 | 786.7 | 760.1 | 734.8 | 721.2 | 682.9 | 644.5 |
| 5721.2 | 50° | 4869.0 | 3456.3 | 907.8 | 780.5 | 747.7 | 732.3 | 713.8 | 689.7 | 648.9 | 616.1 |
| 6087.0 | 52.5° | 5161.3 | 3638.6 | 953.5 | 747.7 | 698.9 | 708.2 | 696.5 | 668.6 | 628.5 | 595.1 |
| 6433.1 | 55° | 5438.1 | 3820.9 | 971.4 | 702.6 | 653.2 | 687.2 | 680.4 | 629.1 | 580.9 | 553.7 |
| 6795.2 | 57.5° | 5739.7 | 4040.3 | 951.7 | 645.2 | 616.1 | 663.1 | 637.1 | 580.3 | 552.5 | 532.1 |
| 7266.7 | 60° | 6157.4 | 4384.5 | 909.0 | 574.1 | 580.9 | 627.2 | 582.7 | 559.3 | 529.0 | 506.1 |
| 7973.7 | 62.5° | 6851.4 | 5026.6 | 840.4 | 503.6 | 539.5 | 574.1 | 556.8 | 533.3 | 502.4 | 480.2 |
| 9182.4 | 65° | 7877.3 | 5918.9 | 711.3 | 448.6 | 493.1 | 522.2 | 529.0 | 505.5 | 473.4 | 449.9 |
| 10241.6 | 67.5° | 8742.4 | 6478.8 | 538.3 | 402.9 | 445.6 | 480.2 | 499.3 | 476.5 | 442.5 | 419.6 |
| 10489.4 | 70° | 8694.8 | 6072.2 | 410.9 | 357.8 | 403.5 | 438.8 | 463.5 | 445.6 | 409.1 | 387.5 |
| 9527.9 | 72.5° | 7722.8 | 5079.7 | 332.5 | 312.1 | 360.9 | 395.5 | 425.2 | 411.6 | 374.5 | 353.5 |
| 6980.0 | 75° | 5673.6 | 3605.9 | 265.7 | 265.7 | 307.7 | 350.4 | 383.1 | 374.5 | 340.5 | 325.7 |
| 2930.4 | 77.5° | 2391.5 | 1512.8 | 208.3 | 220.6 | 255.8 | 301.0 | 341.7 | 344.8 | 315.2 | 333.7 |
| 774.9 | 80° | 635.9 | 417.1 | 158.8 | 173.6 | 200.8 | 248.4 | 297.2 | 296.0 | 263.9 | 246.6 |
| 288.0 | 82.5° | 242.2 | 164.4 | 113.1 | 122.4 | 145.2 | 190.3 | 235.4 | 242.9 | 210.7 | 182.3 |
| 113.1 | 85° | 93.3 | 70.4 | 69.8 | 73.5 | 84.7 | 126.1 | 178.0 | 184.2 | 158.8 | 134.7 |
| 31.5 | 87.5° | 24.1 | 21.0 | 26.0 | 24.7 | 38.9 | 67.4 | 102.0 | 105.7 | 97.0 | 56.2 |
| 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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| <u>180°</u> |
|-------------|
| 1707.4 |
| 1629.0 |
| 1509.7 |
| 1400.9 |
| 1335.4 |
| 1316.9 |
| 1331.7 |
| 1352.7 |
| 1352.7 |
| 1321.8 |
| 1264.4 |
| 1189.0 |
| 1101.8 |
| 1005.4 |
| 920.8 |
| 882.5 |
| 826.2 |
| 749.6 |
| 686.6 |
| 644.5 |
| 613.6 |
| 595.7 |
| 551.2 |
| 530.2 |
| 504.9 |
| 480.2 |
| 451.1 |
| 420.2 |
| 389.3 |
| 353.5 |
| 321.3 |
| 302.8 |
| 229.3 |
| 182.3 |
| 139.0 |
| 80.3 |
| 0.0 |

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