

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: P939864

Luminaire Tested: **GALN-SB2C-930-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7608 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

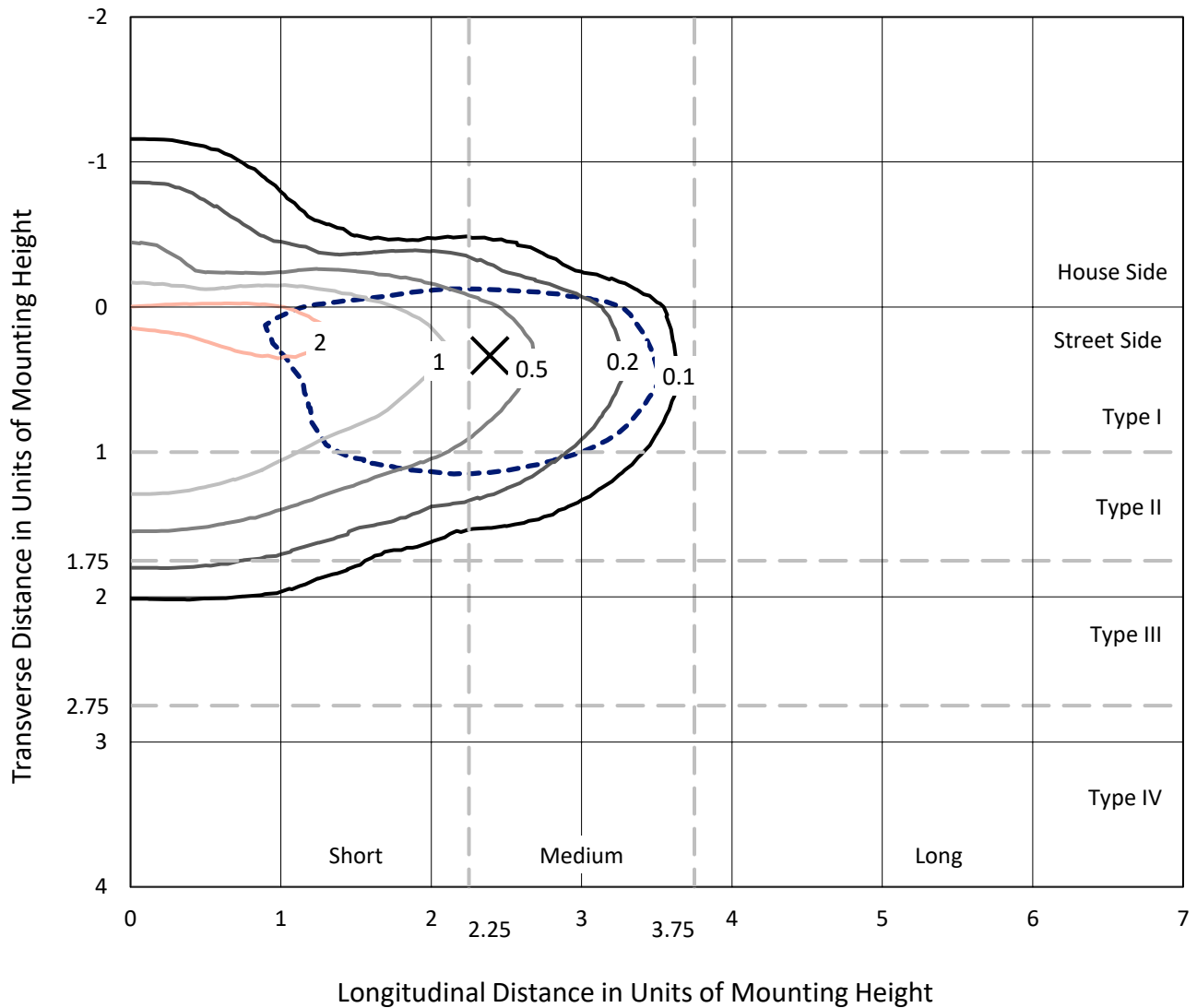
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

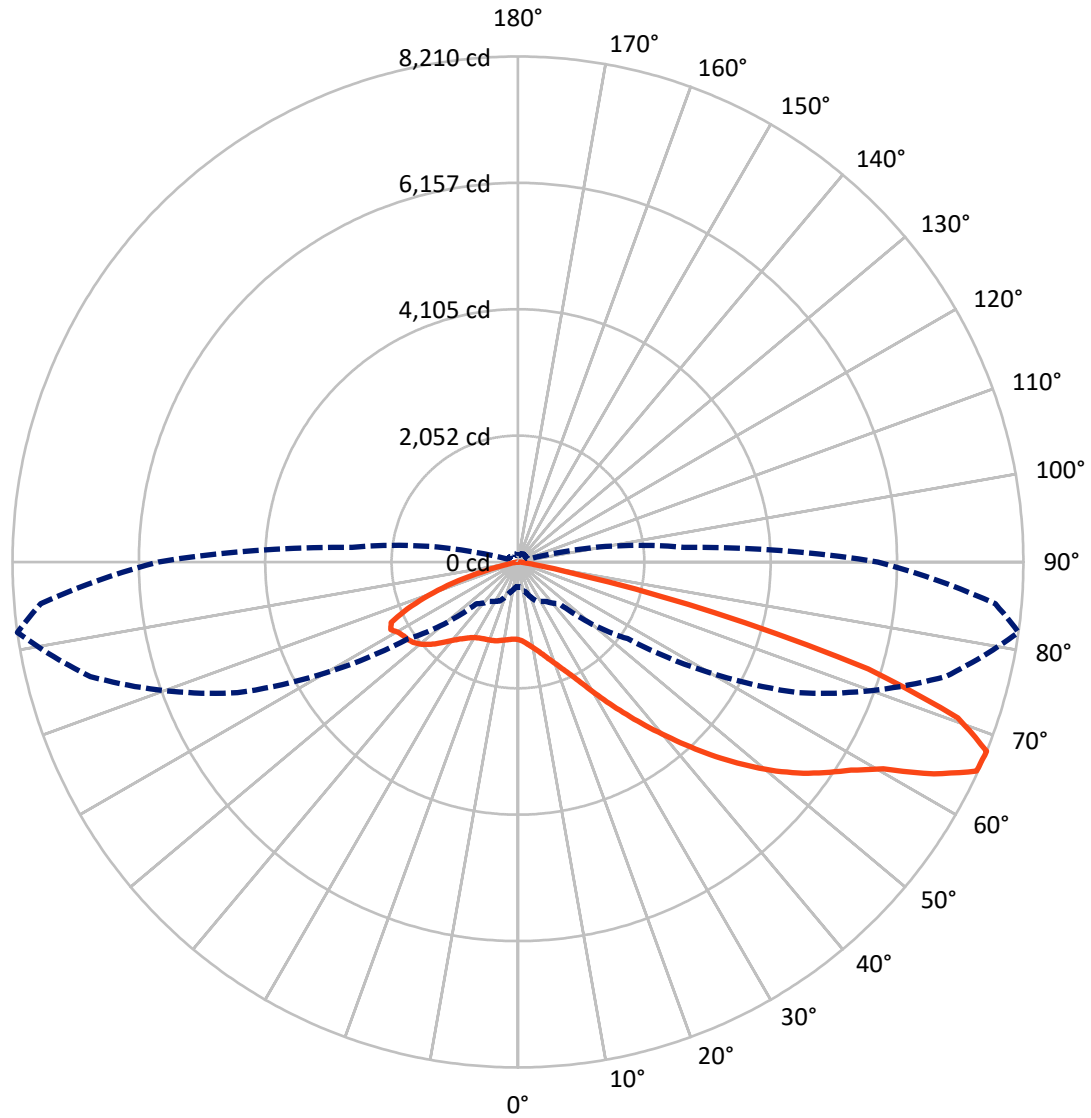
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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 | 1378.1 | 0.0 | 1378.1 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 6229.9 | 0.0 | 6229.9 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 7608.0 | 0.0 | 7608.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.3 | 1.5 |
| 10°-20° | 291.8 | 3.8 |
| 20°-30° | 467.4 | 6.1 |
| 30°-40° | 826.5 | 10.9 |
| 40°-50° | 1448.0 | 19.0 |
| 50°-60° | 1931.3 | 25.4 |
| 60°-70° | 1797.9 | 23.6 |
| 70°-80° | 690.0 | 9.1 |
| 80°-90° | 42.9 | 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° | 7608.0 | 100.0 |
| 0°-180° | 7608.0 | 100.0 |

Coefficient of Utilization



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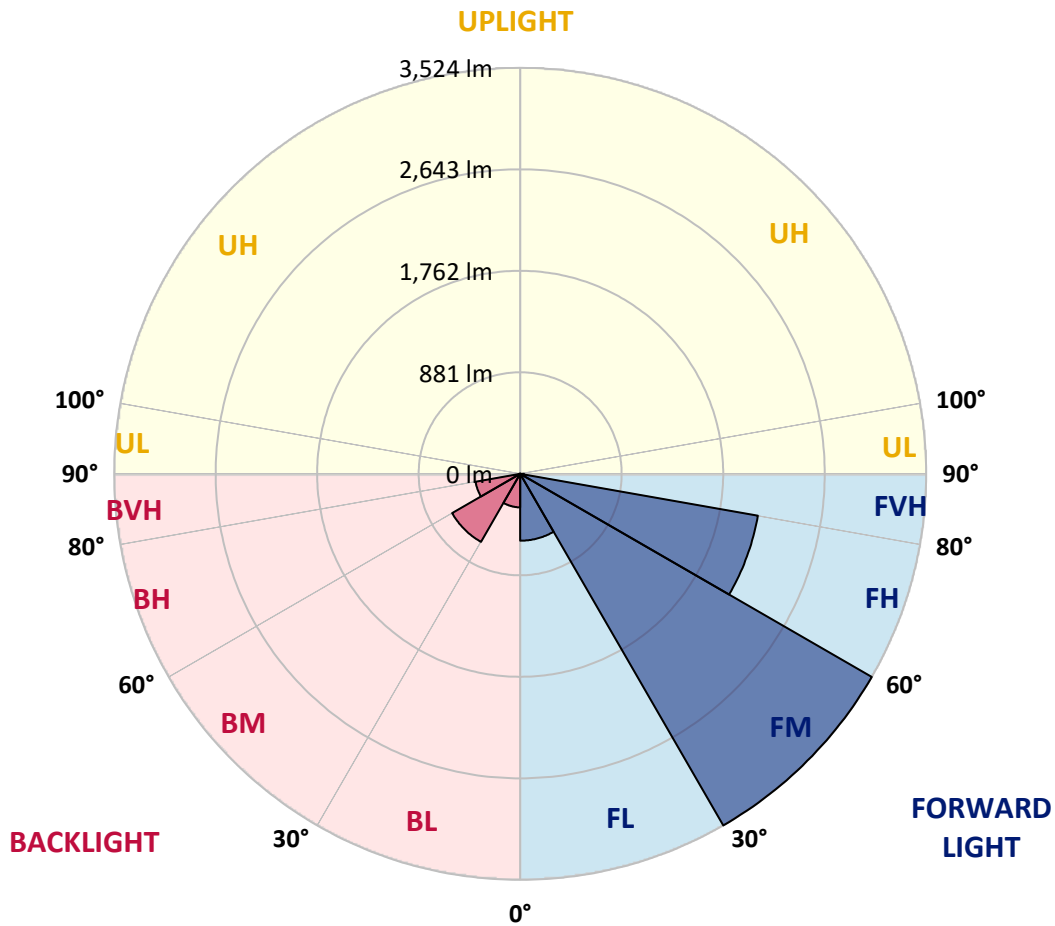
CATALOG NUMBER: GALN-SB2C-930-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 580.4 | 7.6 | | | |
| FM (30°-60°) | 3523.7 | 46.3 | | | |
| FH (60°-80°) | 2094.6 | 27.5 | | | G2/5000 |
| FVH (80°-90°) | 31.2 | 0.4 | | | G1/100 |
| BL (0°-30°) | 291.1 | 3.8 | B1/500 | | |
| BM (30°-60°) | 682.0 | 9.0 | B1/1000 | | |
| BH (60°-80°) | 393.3 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.7 | 0.2 | | | 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 II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 |
| 2.5° | 1332.1 | 1339.8 | 1335.4 | 1333.2 | 1329.4 | 1323.9 | 1319.5 | 1305.9 | 1291.6 | 1282.3 |
| 5° | 1359.0 | 1366.7 | 1366.1 | 1368.3 | 1371.0 | 1372.7 | 1371.6 | 1356.2 | 1336.0 | 1320.1 |
| 7.5° | 1336.0 | 1344.7 | 1351.9 | 1362.8 | 1382.0 | 1402.3 | 1412.1 | 1408.8 | 1388.0 | 1366.1 |
| 10° | 1270.8 | 1280.1 | 1297.1 | 1322.8 | 1363.4 | 1407.2 | 1443.9 | 1460.9 | 1447.7 | 1423.6 |
| 12.5° | 1151.4 | 1160.7 | 1194.1 | 1250.0 | 1317.9 | 1394.0 | 1464.2 | 1509.6 | 1512.9 | 1488.8 |
| 15° | 1017.2 | 1026.5 | 1062.1 | 1132.2 | 1235.7 | 1357.9 | 1475.1 | 1561.1 | 1590.1 | 1569.3 |
| 17.5° | 933.9 | 942.1 | 969.0 | 1025.4 | 1133.3 | 1285.6 | 1471.3 | 1615.9 | 1682.2 | 1665.7 |
| 20° | 908.7 | 915.8 | 928.4 | 967.9 | 1057.7 | 1210.5 | 1446.1 | 1667.4 | 1781.3 | 1772.0 |
| 22.5° | 935.6 | 942.1 | 946.0 | 963.5 | 1019.9 | 1161.2 | 1414.3 | 1720.0 | 1896.3 | 1897.4 |
| 25° | 997.5 | 1004.0 | 999.7 | 1010.6 | 1035.3 | 1145.9 | 1402.3 | 1781.9 | 2040.9 | 2053.0 |
| 27.5° | 1099.3 | 1099.9 | 1089.5 | 1088.9 | 1092.8 | 1168.9 | 1414.9 | 1848.1 | 2223.3 | 2245.8 |
| 30° | 1303.7 | 1295.4 | 1255.5 | 1212.2 | 1192.5 | 1237.9 | 1449.9 | 1926.5 | 2438.6 | 2478.6 |
| 32.5° | 1618.6 | 1606.6 | 1533.2 | 1429.6 | 1325.6 | 1349.1 | 1512.9 | 2015.7 | 2673.1 | 2745.4 |
| 35° | 1960.4 | 1957.1 | 1880.4 | 1726.5 | 1544.7 | 1507.4 | 1615.3 | 2133.0 | 2928.9 | 3043.9 |
| 37.5° | 2278.1 | 2276.5 | 2232.7 | 2051.3 | 1830.1 | 1728.2 | 1779.7 | 2286.3 | 3202.7 | 3369.3 |
| 40° | 2568.4 | 2573.4 | 2529.5 | 2367.4 | 2144.5 | 2011.4 | 2003.1 | 2475.9 | 3507.3 | 3723.6 |
| 42.5° | 2819.3 | 2824.8 | 2780.4 | 2660.5 | 2455.0 | 2324.7 | 2277.6 | 2708.1 | 3804.7 | 4104.3 |
| 45° | 2989.7 | 3023.6 | 3017.0 | 2921.2 | 2773.8 | 2638.5 | 2607.3 | 2999.5 | 4143.8 | 4508.0 |
| 47.5° | 3037.9 | 3069.1 | 3118.4 | 3131.5 | 3041.7 | 2908.6 | 2945.8 | 3350.6 | 4486.7 | 4912.3 |
| 50° | 2919.0 | 2948.0 | 3050.5 | 3186.8 | 3249.3 | 3208.2 | 3275.0 | 3726.9 | 4837.8 | 5315.4 |
| 52.5° | 2684.6 | 2714.1 | 2843.4 | 3059.2 | 3313.9 | 3443.2 | 3605.3 | 4097.8 | 5177.9 | 5697.2 |
| 55° | 2345.5 | 2376.7 | 2542.7 | 2787.0 | 3190.7 | 3540.2 | 3880.9 | 4468.1 | 5489.6 | 6040.7 |
| 57.5° | 1884.3 | 1907.3 | 2079.8 | 2421.6 | 2880.7 | 3443.7 | 4084.1 | 4872.3 | 5783.2 | 6378.1 |
| 60° | 1228.1 | 1248.3 | 1448.8 | 1830.1 | 2366.9 | 3121.7 | 4124.6 | 5323.1 | 6173.2 | 6816.8 |
| 62.5° | 816.7 | 830.4 | 949.3 | 1229.2 | 1666.8 | 2503.2 | 3887.4 | 5683.0 | 6745.1 | 7580.4 |
| 65° | 560.4 | 574.0 | 692.9 | 887.9 | 1076.9 | 1655.9 | 3205.5 | 5635.3 | 7263.3 | 8186.8 |
| 67.5° | 399.9 | 411.4 | 512.2 | 696.2 | 779.5 | 961.9 | 2173.0 | 5026.2 | 7188.8 | 8209.8 |
| 70° | 286.5 | 293.0 | 376.3 | 542.3 | 619.5 | 577.9 | 1208.4 | 3844.2 | 6294.3 | 7581.0 |
| 72.5° | 200.5 | 202.7 | 261.3 | 413.0 | 499.0 | 421.8 | 575.1 | 2563.0 | 4760.6 | 5950.3 |
| 75° | 135.8 | 138.6 | 175.8 | 302.9 | 400.4 | 322.1 | 304.6 | 1374.3 | 2794.7 | 3293.7 |
| 77.5° | 83.3 | 84.4 | 113.4 | 207.1 | 299.6 | 245.4 | 196.1 | 582.3 | 1081.3 | 1061.6 |
| 80° | 47.1 | 47.1 | 72.3 | 128.7 | 204.3 | 158.3 | 137.5 | 247.6 | 342.3 | 300.7 |
| 82.5° | 26.3 | 26.8 | 52.6 | 80.0 | 135.3 | 93.7 | 75.6 | 114.5 | 147.9 | 130.9 |
| 85° | 11.0 | 12.1 | 32.3 | 37.8 | 64.6 | 46.6 | 30.7 | 48.2 | 54.8 | 48.8 |
| 87.5° | 1.1 | 1.6 | 9.9 | 7.1 | 7.7 | 9.3 | 4.4 | 9.3 | 7.7 | 7.7 |
| 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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 CATALOG NUMBER: GALN-SB2C-930-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1260.4 | 0° | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1260.4 |
| 1279.0 | 2.5° | 1268.6 | 1260.4 | 1239.6 | 1215.5 | 1183.7 | 1168.4 | 1147.6 | 1133.3 | 1121.3 | 1122.4 |
| 1310.8 | 5° | 1293.3 | 1272.4 | 1225.9 | 1167.8 | 1095.5 | 1044.0 | 989.2 | 951.5 | 920.8 | 914.2 |
| 1354.6 | 7.5° | 1327.2 | 1294.3 | 1212.7 | 1108.1 | 986.0 | 893.4 | 810.7 | 757.5 | 719.8 | 707.7 |
| 1407.7 | 10° | 1371.0 | 1323.4 | 1195.8 | 1033.1 | 857.2 | 739.5 | 650.7 | 609.1 | 583.4 | 574.6 |
| 1470.2 | 12.5° | 1422.0 | 1356.8 | 1173.3 | 941.6 | 724.7 | 611.3 | 554.9 | 534.1 | 525.8 | 523.1 |
| 1546.9 | 15° | 1486.1 | 1398.4 | 1139.3 | 833.1 | 612.4 | 533.0 | 508.9 | 506.1 | 507.2 | 506.1 |
| 1638.9 | 17.5° | 1562.2 | 1443.9 | 1084.0 | 721.4 | 536.8 | 493.0 | 484.2 | 486.4 | 489.1 | 488.6 |
| 1741.9 | 20° | 1645.5 | 1488.8 | 1013.3 | 622.3 | 485.3 | 464.5 | 459.6 | 461.8 | 463.9 | 462.9 |
| 1860.7 | 22.5° | 1740.2 | 1537.0 | 935.0 | 545.0 | 450.8 | 438.2 | 432.7 | 433.3 | 433.3 | 431.1 |
| 2011.4 | 25° | 1853.6 | 1590.1 | 852.9 | 490.2 | 424.5 | 414.7 | 408.1 | 405.9 | 402.6 | 396.0 |
| 2194.3 | 27.5° | 1988.9 | 1646.6 | 774.0 | 451.9 | 403.7 | 394.4 | 386.7 | 381.2 | 373.0 | 362.1 |
| 2414.0 | 30° | 2141.2 | 1715.0 | 707.2 | 427.8 | 387.3 | 378.0 | 369.2 | 361.0 | 348.9 | 335.2 |
| 2666.5 | 32.5° | 2320.3 | 1788.4 | 658.4 | 411.9 | 372.5 | 362.6 | 352.2 | 342.3 | 329.2 | 315.5 |
| 2950.2 | 35° | 2533.9 | 1877.2 | 629.9 | 401.0 | 361.0 | 347.8 | 336.3 | 325.4 | 315.5 | 303.5 |
| 3258.6 | 37.5° | 2765.6 | 1971.4 | 621.2 | 395.5 | 353.3 | 333.0 | 319.9 | 312.2 | 311.1 | 304.0 |
| 3592.2 | 40° | 3019.2 | 2083.1 | 627.7 | 392.2 | 345.1 | 318.8 | 304.6 | 302.9 | 305.6 | 293.0 |
| 3948.8 | 42.5° | 3287.6 | 2215.7 | 638.7 | 388.4 | 333.6 | 304.6 | 290.9 | 290.9 | 288.7 | 271.1 |
| 4325.6 | 45° | 3577.9 | 2368.5 | 649.6 | 379.0 | 319.9 | 290.3 | 279.9 | 276.1 | 266.8 | 249.8 |
| 4704.7 | 47.5° | 3870.4 | 2524.1 | 657.9 | 362.1 | 303.5 | 278.3 | 268.9 | 260.2 | 246.5 | 231.2 |
| 5076.6 | 50° | 4148.2 | 2663.7 | 649.1 | 336.9 | 284.8 | 266.8 | 256.9 | 244.8 | 230.1 | 219.7 |
| 5428.8 | 52.5° | 4396.3 | 2784.8 | 611.8 | 307.3 | 265.1 | 254.7 | 245.9 | 233.3 | 221.3 | 210.3 |
| 5746.5 | 55° | 4612.1 | 2882.8 | 546.1 | 279.4 | 247.6 | 244.3 | 235.5 | 219.7 | 203.2 | 193.9 |
| 6061.5 | 57.5° | 4819.2 | 2957.3 | 463.9 | 256.4 | 231.7 | 232.8 | 219.7 | 205.4 | 190.1 | 180.2 |
| 6486.0 | 60° | 5094.7 | 3057.0 | 380.7 | 235.0 | 214.7 | 218.0 | 203.8 | 193.4 | 174.2 | 161.6 |
| 7214.0 | 62.5° | 5535.1 | 3212.0 | 302.4 | 208.7 | 195.0 | 196.1 | 190.1 | 177.5 | 154.5 | 139.7 |
| 7753.5 | 65° | 5884.6 | 3155.1 | 238.3 | 180.2 | 172.5 | 174.2 | 174.2 | 160.5 | 135.8 | 118.9 |
| 7782.5 | 67.5° | 5845.1 | 2701.5 | 190.1 | 152.3 | 151.2 | 152.3 | 156.1 | 144.6 | 120.5 | 106.8 |
| 7189.9 | 70° | 5384.4 | 2148.8 | 152.3 | 126.5 | 131.5 | 128.7 | 139.7 | 132.0 | 108.5 | 94.8 |
| 5574.0 | 72.5° | 4393.6 | 1548.0 | 116.1 | 104.6 | 100.8 | 105.2 | 126.0 | 118.9 | 90.4 | 75.0 |
| 2952.4 | 75° | 2567.3 | 826.0 | 86.5 | 82.7 | 72.9 | 87.6 | 111.7 | 101.3 | 69.0 | 55.3 |
| 904.9 | 77.5° | 835.9 | 288.1 | 63.5 | 60.8 | 54.2 | 70.7 | 95.3 | 85.5 | 56.4 | 43.8 |
| 265.1 | 80° | 224.0 | 87.1 | 43.3 | 40.0 | 35.1 | 52.6 | 75.6 | 67.9 | 40.5 | 28.5 |
| 113.9 | 82.5° | 89.8 | 36.7 | 25.2 | 22.5 | 19.2 | 36.2 | 59.7 | 54.8 | 30.1 | 18.1 |
| 35.6 | 85° | 29.0 | 12.1 | 9.3 | 7.1 | 8.8 | 22.5 | 35.6 | 37.2 | 21.4 | 9.3 |
| 5.5 | 87.5° | 3.8 | 1.6 | 1.6 | 2.2 | 1.6 | 3.8 | 11.0 | 10.4 | 6.0 | 1.1 |
| 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> |
| 1260.4 |
| 1111.4 |
| 899.4 |
| 695.7 |
| 568.0 |
| 521.5 |
| 505.6 |
| 487.5 |
| 462.3 |
| 430.0 |
| 394.9 |
| 361.0 |
| 334.1 |
| 316.1 |
| 302.4 |
| 303.5 |
| 293.6 |
| 271.1 |
| 249.2 |
| 230.6 |
| 218.0 |
| 209.2 |
| 192.8 |
| 179.1 |
| 159.9 |
| 138.6 |
| 117.2 |
| 104.6 |
| 93.1 |
| 73.4 |
| 53.7 |
| 42.2 |
| 27.9 |
| 18.1 |
| 7.1 |
| 0.0 |
| 0.0 |

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