

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: P952627

Luminaire Tested: **GALN-SB6B-935-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-935-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23611 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

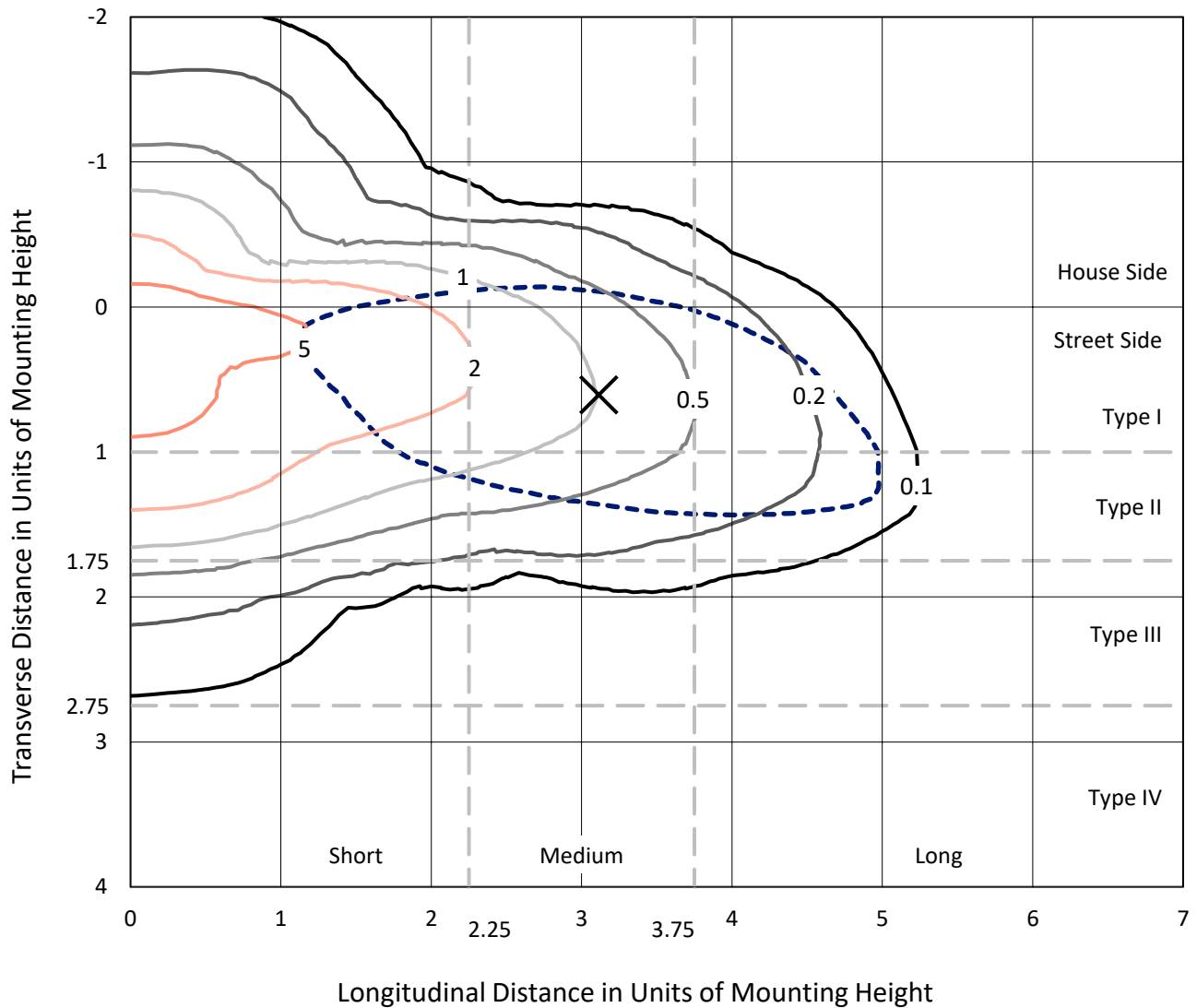
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

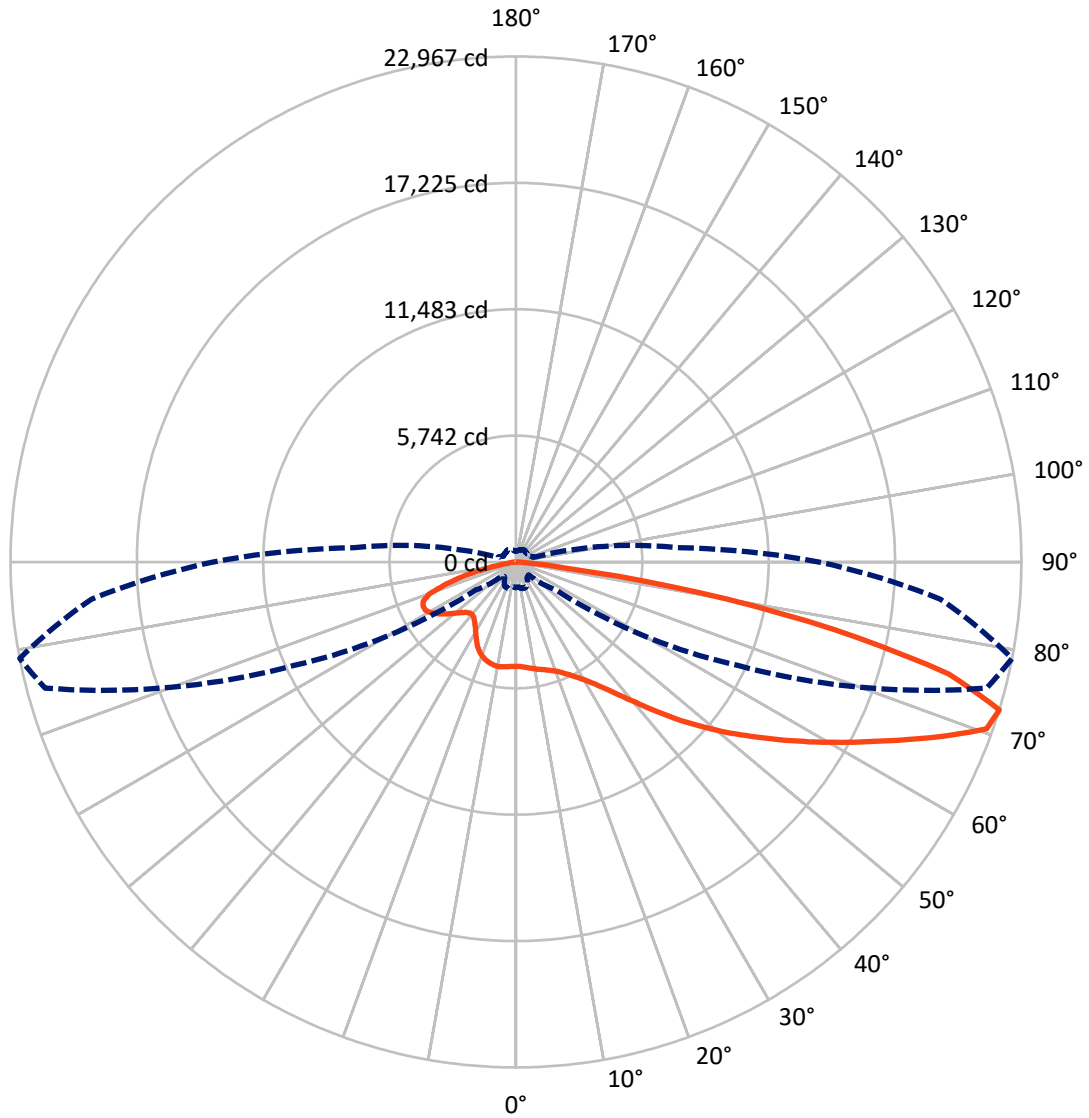
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5195.7 | 0.0 | 5195.7 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 18415.3 | 0.0 | 18415.3 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 23611.0 | 0.0 | 23611.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 430.2 | 1.8 |
| 10°-20° | 1124.8 | 4.8 |
| 20°-30° | 1815.0 | 7.7 |
| 30°-40° | 2724.1 | 11.5 |
| 40°-50° | 3864.3 | 16.4 |
| 50°-60° | 4880.0 | 20.7 |
| 60°-70° | 4956.3 | 21.0 |
| 70°-80° | 3378.0 | 14.3 |
| 80°-90° | 438.3 | 1.9 |
| 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° | 23611.0 | 100.0 |
| 0°-180° | 23611.0 | 100.0 |

Coefficient of Utilization



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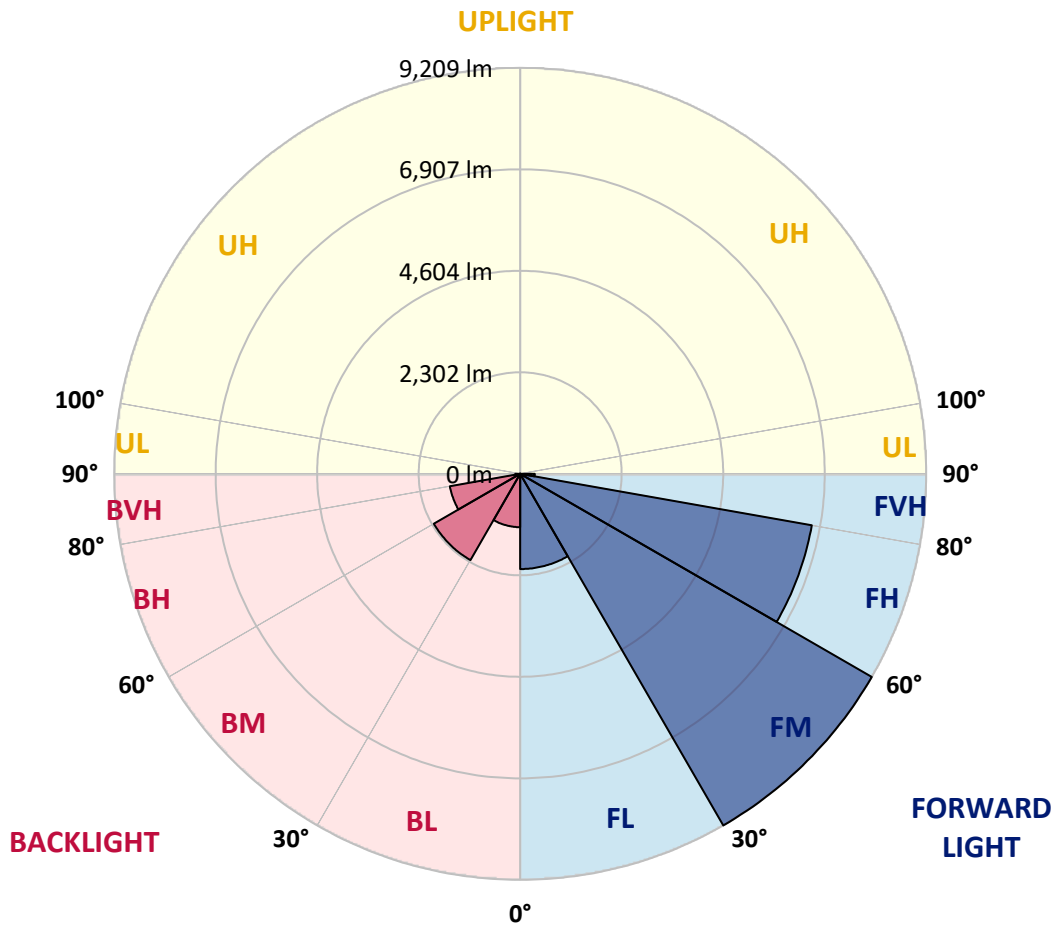
CATALOG NUMBER: GALN-SB6B-935-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2159.8 | 9.1 | | | |
| FM (30°-60°) | 9208.8 | 39.0 | | | |
| FH (60°-80°) | 6716.5 | 28.4 | | | G3/7500 |
| FVH (80°-90°) | 330.1 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1210.2 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 2259.6 | 9.6 | B2/2500 | | |
| BH (60°-80°) | 1617.8 | 6.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 108.1 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 |
| 2.5° | 4742.2 | 4719.7 | 4733.4 | 4728.4 | 4734.7 | 4742.2 | 4744.7 | 4748.4 | 4760.9 | 4759.7 |
| 5° | 4732.2 | 4709.7 | 4728.4 | 4722.2 | 4738.4 | 4755.9 | 4770.9 | 4784.6 | 4804.6 | 4813.4 |
| 7.5° | 4711.0 | 4696.0 | 4714.7 | 4733.4 | 4763.4 | 4789.6 | 4810.9 | 4842.1 | 4870.8 | 4875.8 |
| 10° | 4587.3 | 4576.1 | 4619.8 | 4668.5 | 4750.9 | 4822.1 | 4868.3 | 4904.5 | 4935.8 | 4940.8 |
| 12.5° | 4458.7 | 4444.9 | 4493.6 | 4559.8 | 4693.5 | 4822.1 | 4919.5 | 4967.0 | 4994.5 | 5010.7 |
| 15° | 4437.4 | 4426.2 | 4453.7 | 4511.1 | 4622.3 | 4788.4 | 4954.5 | 5041.9 | 5065.7 | 5084.4 |
| 17.5° | 4539.9 | 4518.6 | 4529.9 | 4549.8 | 4614.8 | 4757.2 | 4982.0 | 5126.9 | 5163.1 | 5183.1 |
| 20° | 4777.2 | 4747.2 | 4729.7 | 4689.7 | 4678.5 | 4762.2 | 4979.5 | 5229.3 | 5276.7 | 5301.7 |
| 22.5° | 5093.1 | 5073.1 | 5035.7 | 4934.5 | 4824.6 | 4823.4 | 5026.9 | 5360.4 | 5449.1 | 5472.8 |
| 25° | 5475.3 | 5445.3 | 5397.9 | 5260.5 | 5049.4 | 4944.5 | 5106.9 | 5527.8 | 5676.4 | 5682.6 |
| 27.5° | 5914.9 | 5870.0 | 5805.0 | 5623.9 | 5339.2 | 5134.3 | 5229.3 | 5720.1 | 5937.4 | 5934.9 |
| 30° | 6378.3 | 6333.3 | 6264.6 | 6044.8 | 5686.4 | 5390.4 | 5399.1 | 5927.4 | 6247.1 | 6233.4 |
| 32.5° | 6716.7 | 6683.0 | 6669.3 | 6499.4 | 6086.0 | 5692.6 | 5594.0 | 6157.2 | 6629.3 | 6616.8 |
| 35° | 6976.5 | 6932.8 | 6949.0 | 6862.9 | 6521.9 | 6031.1 | 5832.5 | 6430.7 | 7093.9 | 7092.7 |
| 37.5° | 7233.8 | 7195.1 | 7208.8 | 7151.4 | 6925.3 | 6460.7 | 6123.5 | 6765.4 | 7669.7 | 7697.1 |
| 40° | 7468.6 | 7427.4 | 7482.3 | 7428.6 | 7238.8 | 6917.8 | 6454.5 | 7143.9 | 8336.6 | 8389.1 |
| 42.5° | 7609.7 | 7577.2 | 7668.4 | 7669.7 | 7511.1 | 7303.7 | 6817.9 | 7561.0 | 9108.4 | 9225.8 |
| 45° | 7658.4 | 7647.2 | 7784.6 | 7813.3 | 7752.1 | 7527.3 | 7145.1 | 8015.6 | 9940.2 | 10150.0 |
| 47.5° | 7606.0 | 7584.7 | 7774.6 | 7880.7 | 7929.4 | 7632.2 | 7416.1 | 8507.7 | 10789.5 | 11096.7 |
| 50° | 7341.2 | 7300.0 | 7582.2 | 7805.8 | 7979.4 | 7700.9 | 7689.7 | 9076.0 | 11754.9 | 12090.9 |
| 52.5° | 6865.4 | 6834.1 | 7155.1 | 7543.5 | 7869.5 | 7734.6 | 7996.9 | 9696.7 | 12671.6 | 13106.3 |
| 55° | 6257.1 | 6215.9 | 6569.4 | 7076.4 | 7596.0 | 7723.4 | 8304.1 | 10391.1 | 13753.2 | 14194.1 |
| 57.5° | 5293.0 | 5210.5 | 5657.6 | 6257.1 | 7150.1 | 7709.6 | 8623.9 | 11081.7 | 14852.3 | 15380.6 |
| 60° | 3886.7 | 3764.3 | 4312.6 | 5023.2 | 6278.4 | 7576.0 | 9019.8 | 11856.1 | 16171.1 | 16647.0 |
| 62.5° | 2263.1 | 2191.9 | 2550.3 | 3213.5 | 4732.2 | 6789.2 | 9242.1 | 12756.6 | 17467.5 | 17967.1 |
| 65° | 1757.2 | 1737.3 | 1768.5 | 1819.7 | 2634.0 | 5083.1 | 8556.4 | 13634.6 | 19116.1 | 19465.8 |
| 67.5° | 1607.4 | 1592.4 | 1606.1 | 1510.0 | 1336.4 | 2831.3 | 6769.2 | 13856.9 | 20882.1 | 21094.4 |
| 70° | 1428.8 | 1411.3 | 1456.3 | 1373.8 | 1051.6 | 1287.6 | 4373.7 | 13050.1 | 22287.1 | 22685.5 |
| 72.5° | 1164.0 | 1144.0 | 1248.9 | 1211.5 | 885.5 | 826.8 | 2196.9 | 11132.9 | 22139.8 | 22966.5 |
| 75° | 894.2 | 883.0 | 1007.9 | 1039.1 | 721.9 | 650.7 | 1054.1 | 8275.4 | 19483.3 | 20316.3 |
| 77.5° | 694.4 | 685.7 | 749.4 | 863.0 | 582.0 | 504.6 | 648.2 | 5249.2 | 14682.4 | 14828.5 |
| 80° | 520.8 | 495.8 | 554.5 | 668.2 | 453.4 | 368.4 | 439.6 | 3061.1 | 9280.8 | 8412.8 |
| 82.5° | 326.0 | 313.5 | 362.2 | 445.9 | 319.7 | 253.5 | 286.0 | 1691.0 | 3719.3 | 2190.6 |
| 85° | 186.1 | 181.1 | 197.3 | 254.8 | 173.6 | 146.1 | 163.6 | 746.9 | 679.4 | 467.1 |
| 87.5° | 74.9 | 72.4 | 89.9 | 113.7 | 63.7 | 53.7 | 57.5 | 179.8 | 149.9 | 138.6 |
| 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-SB6B-935-U-SL2

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4739.7 | 0° | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 | 4739.7 |
| 4758.4 | 2.5° | 4753.4 | 4753.4 | 4735.9 | 4708.5 | 4677.2 | 4657.3 | 4624.8 | 4616.0 | 4582.3 | 4572.3 |
| 4800.9 | 5° | 4810.9 | 4800.9 | 4747.2 | 4669.7 | 4563.6 | 4466.2 | 4358.8 | 4291.3 | 4196.4 | 4162.7 |
| 4884.6 | 7.5° | 4883.3 | 4855.8 | 4763.4 | 4593.6 | 4371.2 | 4152.7 | 3925.4 | 3753.0 | 3588.2 | 3529.5 |
| 4953.3 | 10° | 4949.5 | 4910.8 | 4753.4 | 4456.2 | 4071.5 | 3693.1 | 3330.9 | 3077.4 | 2885.0 | 2806.3 |
| 5029.4 | 12.5° | 5015.7 | 4944.5 | 4687.2 | 4227.6 | 3645.6 | 3132.3 | 2746.4 | 2549.1 | 2430.4 | 2335.5 |
| 5091.9 | 15° | 5078.1 | 4978.2 | 4584.8 | 3921.6 | 3178.5 | 2657.7 | 2373.0 | 2215.6 | 2120.7 | 2058.2 |
| 5183.1 | 17.5° | 5150.6 | 5007.0 | 4431.2 | 3533.2 | 2733.9 | 2329.3 | 2097.0 | 2002.0 | 1983.3 | 1975.8 |
| 5307.9 | 20° | 5251.7 | 5033.2 | 4228.9 | 3098.6 | 2406.7 | 2067.0 | 1947.1 | 1938.3 | 1937.1 | 1933.3 |
| 5457.8 | 22.5° | 5360.4 | 5064.4 | 3961.6 | 2703.9 | 2128.2 | 1903.4 | 1882.1 | 1864.7 | 1853.4 | 1852.2 |
| 5638.9 | 25° | 5489.0 | 5074.4 | 3626.9 | 2380.5 | 1890.9 | 1825.9 | 1801.0 | 1774.7 | 1767.2 | 1767.2 |
| 5845.0 | 27.5° | 5613.9 | 5040.7 | 3237.2 | 2099.4 | 1757.2 | 1754.7 | 1722.3 | 1713.5 | 1712.3 | 1716.0 |
| 6079.8 | 30° | 5738.8 | 4977.0 | 2850.1 | 1839.7 | 1679.8 | 1679.8 | 1668.6 | 1674.8 | 1679.8 | 1692.3 |
| 6402.0 | 32.5° | 5907.4 | 4909.5 | 2526.6 | 1647.3 | 1612.4 | 1599.9 | 1611.1 | 1623.6 | 1628.6 | 1644.8 |
| 6825.4 | 35° | 6154.7 | 4862.1 | 2269.3 | 1542.4 | 1542.4 | 1526.2 | 1532.4 | 1529.9 | 1518.7 | 1511.2 |
| 7337.5 | 37.5° | 6481.9 | 4859.6 | 2057.0 | 1493.7 | 1483.7 | 1481.2 | 1482.5 | 1466.2 | 1422.5 | 1370.1 |
| 7956.9 | 40° | 6875.4 | 4927.0 | 1893.4 | 1460.0 | 1452.5 | 1467.5 | 1460.0 | 1416.3 | 1296.4 | 1205.2 |
| 8718.8 | 42.5° | 7403.6 | 5119.4 | 1788.5 | 1418.8 | 1441.3 | 1460.0 | 1430.0 | 1278.9 | 1197.7 | 1136.5 |
| 9586.8 | 45° | 8025.6 | 5431.6 | 1734.8 | 1375.1 | 1420.0 | 1442.5 | 1297.6 | 1231.4 | 1166.5 | 1092.8 |
| 10533.5 | 47.5° | 8730.0 | 5825.0 | 1722.3 | 1333.9 | 1372.6 | 1386.3 | 1241.4 | 1211.5 | 1137.8 | 1057.8 |
| 11485.1 | 50° | 9496.9 | 6290.9 | 1756.0 | 1285.1 | 1303.9 | 1256.4 | 1222.7 | 1195.2 | 1119.0 | 1040.4 |
| 12460.6 | 52.5° | 10289.9 | 6804.2 | 1823.4 | 1219.0 | 1235.2 | 1182.7 | 1215.2 | 1191.5 | 1107.8 | 1001.6 |
| 13468.4 | 55° | 11069.3 | 7321.2 | 1888.4 | 1141.5 | 1165.3 | 1116.5 | 1194.0 | 1176.5 | 1056.6 | 936.7 |
| 14543.8 | 57.5° | 11861.1 | 7835.8 | 1952.1 | 1072.8 | 1097.8 | 1052.8 | 1160.3 | 1136.5 | 999.1 | 876.7 |
| 15717.8 | 60° | 12684.1 | 8335.3 | 1982.0 | 1006.6 | 1024.1 | 994.1 | 1109.0 | 1067.8 | 934.2 | 815.6 |
| 16871.8 | 62.5° | 13454.7 | 8751.2 | 1933.3 | 940.4 | 951.7 | 939.2 | 1041.6 | 986.7 | 869.3 | 746.9 |
| 18074.5 | 65° | 14227.8 | 8998.5 | 1783.5 | 875.5 | 878.0 | 871.8 | 946.7 | 899.2 | 793.1 | 686.9 |
| 19127.3 | 67.5° | 14928.4 | 9137.2 | 1544.9 | 805.6 | 799.3 | 796.8 | 858.0 | 804.3 | 719.4 | 627.0 |
| 19927.9 | 70° | 15077.1 | 8785.0 | 1180.2 | 723.1 | 723.1 | 716.9 | 760.6 | 705.6 | 638.2 | 563.3 |
| 19354.6 | 72.5° | 13770.7 | 7389.9 | 838.0 | 629.5 | 639.5 | 627.0 | 663.2 | 617.0 | 555.8 | 505.8 |
| 16680.7 | 75° | 11104.2 | 5419.1 | 609.5 | 533.3 | 550.8 | 529.5 | 563.3 | 530.8 | 478.3 | 477.1 |
| 11495.1 | 77.5° | 7629.7 | 3350.9 | 442.1 | 439.6 | 452.1 | 424.6 | 463.4 | 445.9 | 398.4 | 377.2 |
| 5003.2 | 80° | 3256.0 | 1336.4 | 322.2 | 339.7 | 339.7 | 314.7 | 359.7 | 364.7 | 323.5 | 313.5 |
| 965.4 | 82.5° | 648.2 | 379.7 | 226.1 | 233.5 | 219.8 | 212.3 | 254.8 | 282.3 | 389.7 | 433.4 |
| 291.0 | 85° | 194.8 | 139.9 | 136.1 | 127.4 | 112.4 | 113.7 | 149.9 | 283.5 | 349.7 | 199.8 |
| 96.2 | 87.5° | 53.7 | 35.0 | 36.2 | 28.7 | 23.7 | 31.2 | 51.2 | 214.8 | 117.4 | 50.0 |
| 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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| <u>180°</u> |
|-------------|
| 4739.7 |
| 4588.6 |
| 4187.7 |
| 3537.0 |
| 2823.8 |
| 2366.7 |
| 2069.5 |
| 1980.8 |
| 1945.8 |
| 1865.9 |
| 1774.7 |
| 1726.0 |
| 1701.0 |
| 1658.6 |
| 1528.7 |
| 1371.3 |
| 1202.7 |
| 1134.0 |
| 1087.8 |
| 1051.6 |
| 1031.6 |
| 994.1 |
| 930.5 |
| 874.2 |
| 811.8 |
| 745.6 |
| 679.4 |
| 619.5 |
| 560.8 |
| 490.8 |
| 429.6 |
| 353.4 |
| 313.5 |
| 434.6 |
| 172.4 |
| 42.5 |
| 0.0 |

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