

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: P940366

Luminaire Tested: **GALN-SB3B-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8065 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

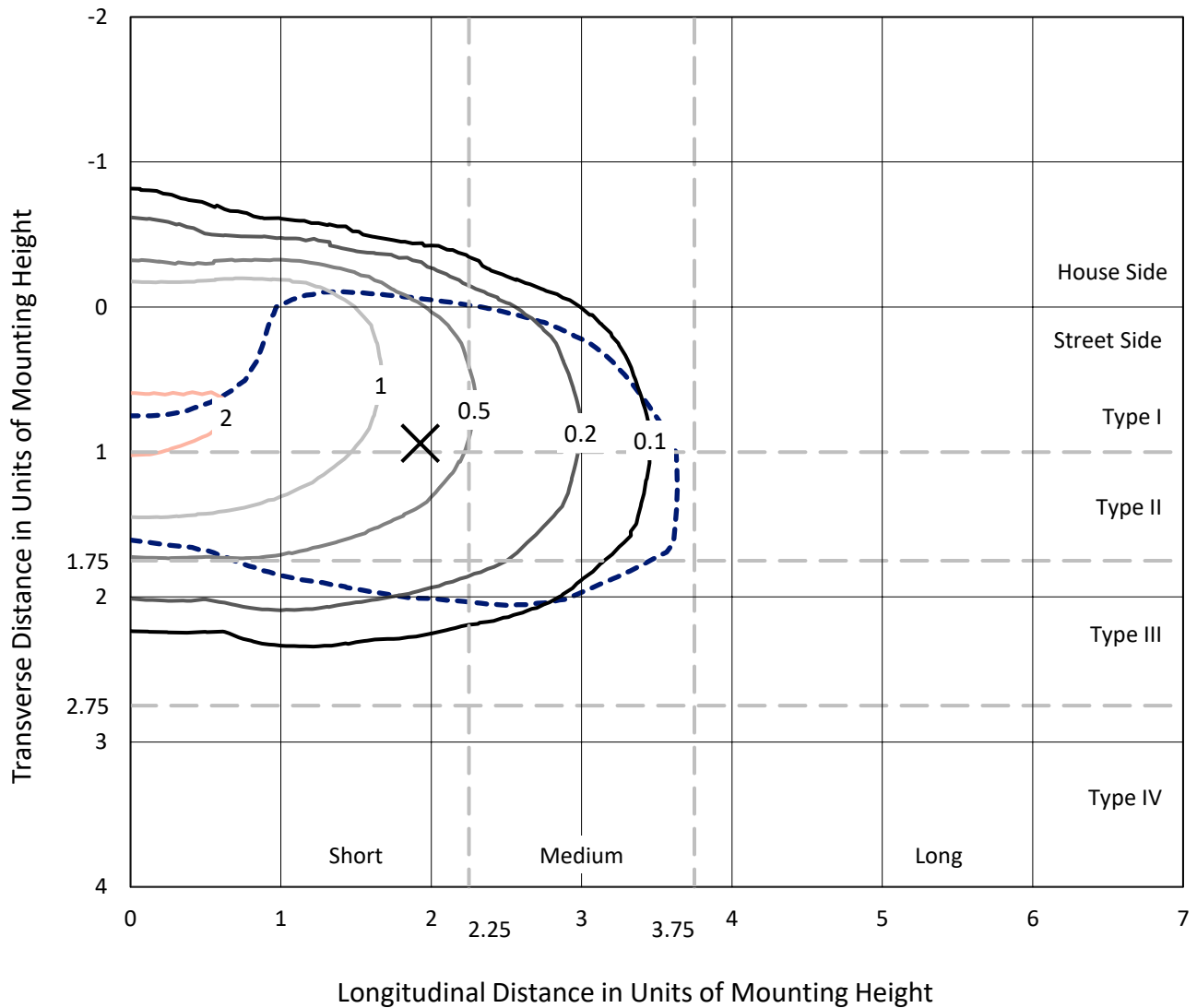
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

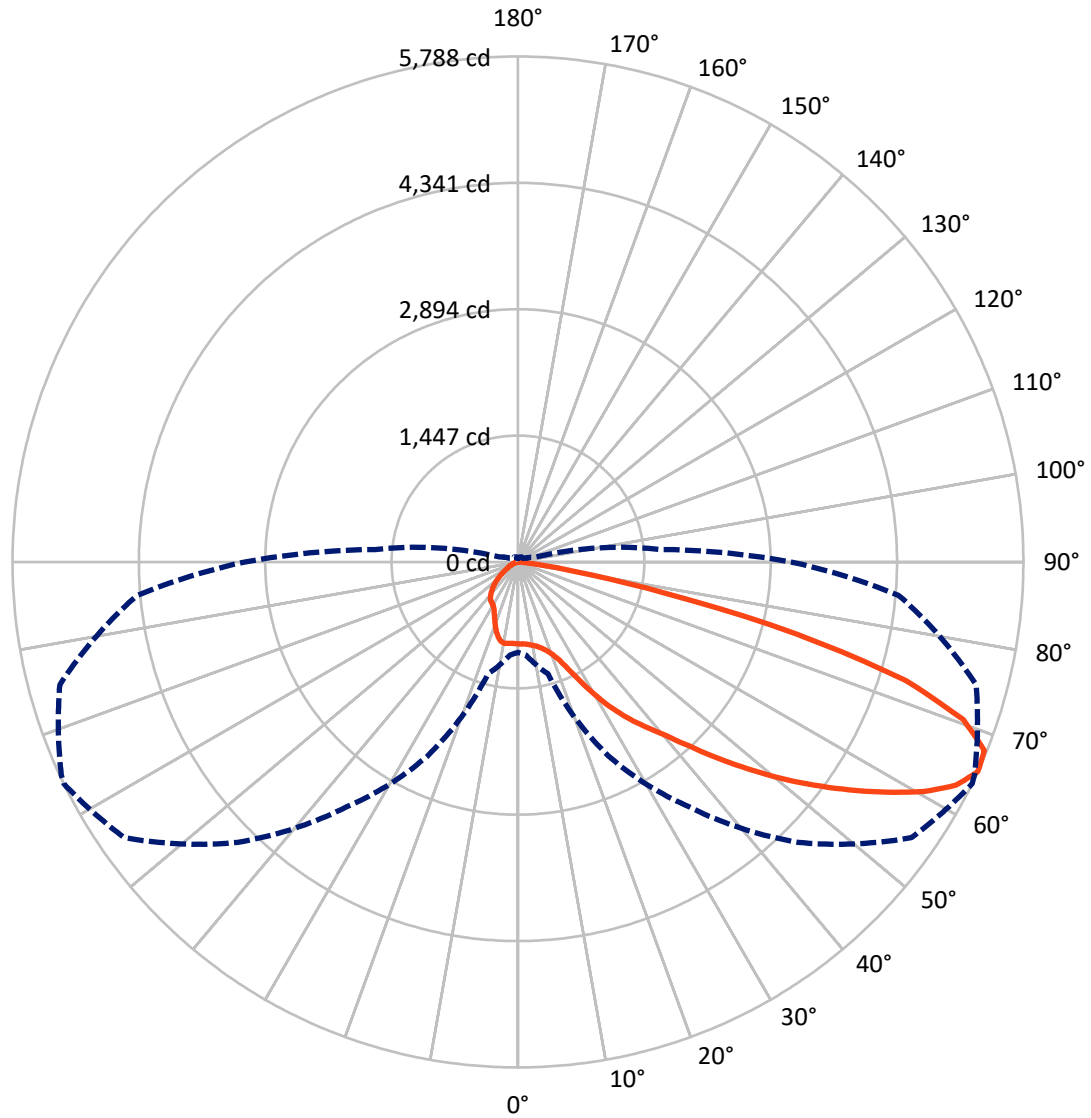
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1078.5 | 0.0 | 1078.5 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 6986.5 | 0.0 | 6986.5 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 8065.0 | 0.0 | 8065.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.5 | 1.1 |
| 10°-20° | 234.7 | 2.9 |
| 20°-30° | 444.8 | 5.5 |
| 30°-40° | 900.1 | 11.2 |
| 40°-50° | 1533.3 | 19.0 |
| 50°-60° | 2085.1 | 25.9 |
| 60°-70° | 1958.0 | 24.3 |
| 70°-80° | 784.5 | 9.7 |
| 80°-90° | 38.0 | 0.5 |
| 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° | 8065.0 | 100.0 |
| 0°-180° | 8065.0 | 100.0 |

Coefficient of Utilization



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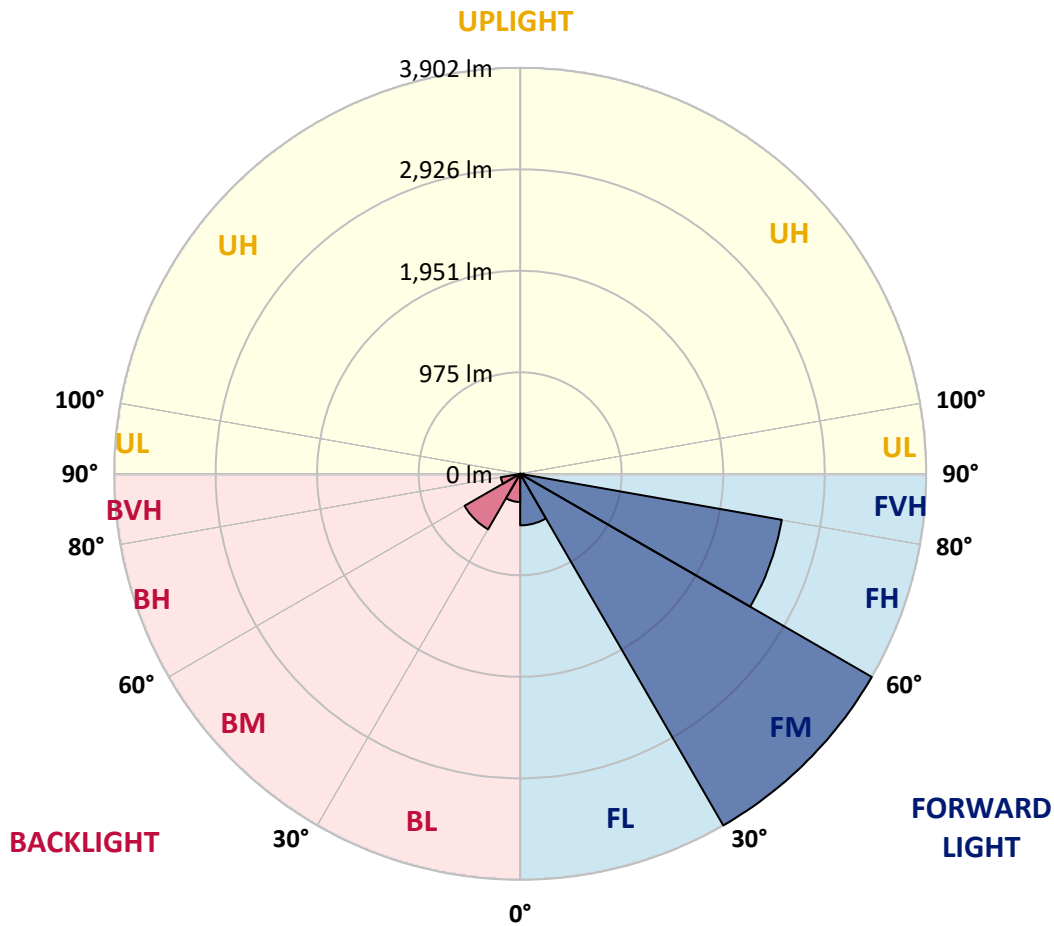
CATALOG NUMBER: GALN-SB3B-927-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 495.3 | 6.1 | | | |
| FM (30°-60°) | 3901.8 | 48.4 | | | |
| FH (60°-80°) | 2553.2 | 31.7 | | | G2/5000 |
| FVH (80°-90°) | 36.1 | 0.4 | | | G1/100 |
| BL (0°-30°) | 270.8 | 3.4 | B1/500 | | |
| BM (30°-60°) | 616.6 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 189.3 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 |
| 2.5° | 934.8 | 941.3 | 939.7 | 938.0 | 937.5 | 938.6 | 939.1 | 938.6 | 938.6 | 938.6 |
| 5° | 917.0 | 922.4 | 922.4 | 926.1 | 931.6 | 938.0 | 942.9 | 944.0 | 945.1 | 946.7 |
| 7.5° | 882.9 | 887.2 | 890.5 | 902.9 | 916.4 | 933.7 | 948.3 | 955.9 | 957.0 | 962.9 |
| 10° | 859.6 | 865.1 | 870.5 | 883.4 | 902.9 | 928.9 | 953.7 | 972.1 | 974.8 | 988.9 |
| 12.5° | 858.6 | 864.0 | 871.0 | 885.1 | 907.8 | 935.3 | 965.6 | 992.1 | 997.0 | 1017.5 |
| 15° | 869.9 | 876.4 | 882.9 | 900.2 | 924.5 | 958.0 | 990.5 | 1023.5 | 1028.3 | 1057.5 |
| 17.5° | 893.2 | 901.8 | 906.7 | 924.0 | 949.9 | 987.2 | 1030.0 | 1067.8 | 1072.1 | 1106.2 |
| 20° | 939.1 | 949.4 | 951.0 | 965.1 | 990.5 | 1030.5 | 1081.3 | 1128.4 | 1133.8 | 1172.7 |
| 22.5° | 1034.3 | 1048.9 | 1035.9 | 1042.9 | 1065.6 | 1105.6 | 1160.8 | 1220.3 | 1227.8 | 1272.2 |
| 25° | 1201.9 | 1222.4 | 1188.9 | 1177.0 | 1186.7 | 1228.4 | 1297.6 | 1372.7 | 1381.4 | 1417.1 |
| 27.5° | 1531.1 | 1504.7 | 1453.8 | 1404.1 | 1374.9 | 1398.7 | 1476.5 | 1569.5 | 1580.3 | 1614.9 |
| 30° | 1892.8 | 1869.6 | 1800.9 | 1690.6 | 1621.4 | 1617.7 | 1689.6 | 1793.4 | 1805.8 | 1838.8 |
| 32.5° | 2255.1 | 2232.9 | 2158.3 | 2022.6 | 1902.6 | 1843.1 | 1892.8 | 2008.0 | 2014.5 | 2035.6 |
| 35° | 2611.4 | 2588.7 | 2514.1 | 2375.1 | 2227.5 | 2092.4 | 2082.6 | 2212.4 | 2214.5 | 2236.7 |
| 37.5° | 2969.8 | 2950.9 | 2871.4 | 2735.2 | 2589.8 | 2403.2 | 2312.9 | 2405.9 | 2408.6 | 2430.3 |
| 40° | 3225.6 | 3233.7 | 3179.1 | 3073.6 | 2948.8 | 2744.9 | 2571.4 | 2611.9 | 2595.7 | 2631.9 |
| 42.5° | 3445.1 | 3461.3 | 3413.7 | 3360.7 | 3288.3 | 3108.8 | 2891.4 | 2884.4 | 2858.5 | 2877.9 |
| 45° | 3634.8 | 3648.4 | 3605.7 | 3593.2 | 3591.6 | 3465.6 | 3241.3 | 3199.1 | 3162.9 | 3159.1 |
| 47.5° | 3704.6 | 3730.5 | 3748.9 | 3790.6 | 3871.7 | 3818.7 | 3603.0 | 3537.5 | 3497.0 | 3467.2 |
| 50° | 3731.1 | 3758.7 | 3821.4 | 3942.5 | 4134.4 | 4157.1 | 3963.0 | 3889.5 | 3839.8 | 3785.7 |
| 52.5° | 3695.4 | 3744.6 | 3828.9 | 4032.8 | 4311.2 | 4428.5 | 4308.5 | 4244.2 | 4187.4 | 4099.3 |
| 55° | 3485.1 | 3534.3 | 3706.8 | 4031.7 | 4399.3 | 4618.8 | 4635.1 | 4606.4 | 4542.6 | 4403.7 |
| 57.5° | 3041.7 | 3114.7 | 3387.8 | 3894.4 | 4397.7 | 4782.7 | 4955.1 | 4975.7 | 4904.3 | 4705.4 |
| 60° | 2427.6 | 2526.5 | 2859.5 | 3590.0 | 4262.0 | 4871.3 | 5235.7 | 5338.5 | 5262.8 | 5002.7 |
| 62.5° | 1693.9 | 1808.5 | 2123.7 | 3113.1 | 3951.7 | 4807.5 | 5440.7 | 5630.4 | 5573.1 | 5268.7 |
| 65° | 1033.2 | 1070.0 | 1324.1 | 2449.7 | 3424.0 | 4540.5 | 5503.9 | 5788.3 | 5769.4 | 5431.5 |
| 67.5° | 688.3 | 719.1 | 792.1 | 1679.8 | 2657.9 | 4006.8 | 5352.5 | 5760.7 | 5766.1 | 5405.0 |
| 70° | 414.7 | 441.2 | 488.8 | 977.0 | 1722.5 | 3171.5 | 4883.8 | 5409.3 | 5440.7 | 5050.8 |
| 72.5° | 170.8 | 188.7 | 231.9 | 442.8 | 892.1 | 2012.9 | 3889.0 | 4644.3 | 4717.2 | 4246.9 |
| 75° | 96.8 | 106.0 | 136.2 | 222.2 | 387.1 | 938.0 | 2355.7 | 3296.9 | 3404.5 | 2927.1 |
| 77.5° | 64.3 | 68.7 | 88.1 | 143.8 | 217.9 | 320.1 | 1006.7 | 1717.7 | 1923.1 | 1598.7 |
| 80° | 43.3 | 47.0 | 60.6 | 96.2 | 141.7 | 137.3 | 320.6 | 636.4 | 782.9 | 549.3 |
| 82.5° | 29.2 | 29.7 | 43.3 | 63.3 | 89.7 | 66.5 | 94.6 | 197.9 | 248.7 | 159.0 |
| 85° | 16.8 | 16.2 | 31.9 | 36.8 | 40.0 | 27.6 | 28.7 | 59.5 | 77.9 | 67.0 |
| 87.5° | 2.2 | 3.2 | 12.4 | 9.7 | 5.4 | 5.9 | 5.9 | 10.3 | 15.1 | 16.2 |
| 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° |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 938.0 | 0° | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 | 938.0 |
| 939.1 | 2.5° | 939.1 | 938.6 | 937.0 | 935.3 | 931.6 | 929.4 | 930.5 | 929.4 | 928.9 | 929.4 |
| 946.2 | 5° | 946.2 | 944.5 | 940.2 | 934.8 | 927.2 | 918.0 | 912.1 | 903.4 | 895.3 | 890.5 |
| 965.1 | 7.5° | 965.1 | 963.5 | 957.5 | 942.4 | 918.0 | 879.7 | 844.5 | 813.7 | 790.4 | 776.9 |
| 995.4 | 10° | 995.4 | 992.6 | 983.5 | 949.9 | 886.1 | 802.3 | 732.6 | 674.7 | 636.9 | 619.1 |
| 1031.0 | 12.5° | 1031.0 | 1027.8 | 1011.6 | 942.9 | 825.6 | 694.7 | 598.5 | 534.2 | 499.0 | 483.3 |
| 1072.1 | 15° | 1073.2 | 1068.9 | 1037.0 | 909.4 | 737.5 | 575.8 | 487.7 | 439.6 | 416.8 | 402.8 |
| 1124.6 | 17.5° | 1125.7 | 1118.1 | 1055.9 | 859.1 | 641.8 | 485.0 | 419.6 | 383.3 | 363.3 | 349.8 |
| 1193.2 | 20° | 1193.8 | 1181.3 | 1071.0 | 799.1 | 553.6 | 427.7 | 373.6 | 343.3 | 328.2 | 316.3 |
| 1290.6 | 22.5° | 1288.9 | 1271.1 | 1089.4 | 734.2 | 491.5 | 388.2 | 339.5 | 317.4 | 304.9 | 291.4 |
| 1426.3 | 25° | 1406.8 | 1385.7 | 1112.1 | 674.2 | 448.7 | 354.1 | 314.7 | 296.3 | 281.7 | 266.0 |
| 1604.1 | 27.5° | 1571.7 | 1533.8 | 1139.2 | 625.0 | 412.0 | 324.9 | 292.0 | 271.4 | 254.7 | 241.7 |
| 1805.8 | 30° | 1755.5 | 1693.3 | 1163.0 | 595.3 | 378.5 | 297.9 | 262.2 | 241.7 | 226.0 | 216.8 |
| 1986.9 | 32.5° | 1929.6 | 1845.3 | 1178.6 | 582.3 | 348.2 | 267.1 | 229.8 | 207.6 | 195.7 | 193.0 |
| 2164.3 | 35° | 2094.0 | 1982.6 | 1177.0 | 569.9 | 321.2 | 236.3 | 197.9 | 175.2 | 166.0 | 167.6 |
| 2355.1 | 37.5° | 2283.2 | 2129.1 | 1165.7 | 550.4 | 299.0 | 208.2 | 170.3 | 150.3 | 142.2 | 142.7 |
| 2587.1 | 40° | 2503.3 | 2298.3 | 1158.6 | 513.6 | 274.7 | 182.2 | 147.6 | 131.4 | 125.4 | 123.3 |
| 2831.4 | 42.5° | 2737.9 | 2462.2 | 1159.7 | 472.0 | 244.4 | 159.0 | 131.9 | 118.4 | 113.0 | 111.4 |
| 3103.4 | 45° | 2973.6 | 2618.4 | 1161.3 | 428.7 | 212.5 | 141.1 | 120.6 | 109.2 | 106.0 | 103.8 |
| 3379.1 | 47.5° | 3195.3 | 2751.4 | 1131.1 | 382.2 | 181.1 | 127.6 | 111.4 | 103.8 | 101.1 | 98.4 |
| 3655.9 | 50° | 3401.8 | 2840.1 | 1058.1 | 328.2 | 156.3 | 116.8 | 104.3 | 98.9 | 96.2 | 93.5 |
| 3906.8 | 52.5° | 3562.4 | 2854.1 | 937.5 | 272.5 | 138.9 | 108.7 | 100.0 | 95.2 | 91.9 | 89.2 |
| 4109.5 | 55° | 3633.8 | 2766.0 | 766.1 | 220.6 | 125.4 | 101.6 | 95.7 | 90.8 | 87.0 | 84.3 |
| 4269.0 | 57.5° | 3615.4 | 2580.6 | 597.4 | 177.3 | 112.5 | 94.6 | 90.3 | 87.0 | 82.7 | 78.4 |
| 4398.3 | 60° | 3525.1 | 2332.4 | 450.4 | 147.6 | 100.6 | 87.0 | 84.3 | 81.6 | 75.7 | 69.2 |
| 4448.0 | 62.5° | 3368.8 | 2020.4 | 321.2 | 122.2 | 87.6 | 78.4 | 77.3 | 75.2 | 66.5 | 54.6 |
| 4374.5 | 65° | 3129.9 | 1641.4 | 216.3 | 101.6 | 75.2 | 68.7 | 69.2 | 65.4 | 54.1 | 40.5 |
| 4105.2 | 67.5° | 2780.6 | 1200.3 | 138.4 | 83.3 | 62.7 | 57.3 | 57.9 | 55.7 | 46.0 | 34.6 |
| 3594.8 | 70° | 2335.6 | 794.8 | 90.3 | 63.3 | 50.3 | 44.3 | 47.6 | 48.1 | 38.9 | 28.1 |
| 2759.0 | 72.5° | 1712.3 | 469.3 | 63.3 | 47.0 | 36.8 | 30.8 | 38.9 | 40.0 | 31.4 | 21.1 |
| 1659.8 | 75° | 975.9 | 222.8 | 47.6 | 34.1 | 22.7 | 21.6 | 30.3 | 30.3 | 21.6 | 14.1 |
| 718.5 | 77.5° | 409.8 | 93.0 | 33.5 | 22.2 | 13.0 | 12.4 | 20.5 | 18.9 | 10.8 | 6.5 |
| 175.2 | 80° | 118.4 | 41.6 | 17.8 | 10.8 | 5.4 | 4.9 | 8.1 | 5.9 | 2.7 | 1.1 |
| 66.5 | 82.5° | 46.5 | 18.4 | 7.0 | 4.3 | 2.2 | 2.2 | 1.1 | 0.0 | 0.0 | 0.0 |
| 37.8 | 85° | 27.6 | 7.6 | 3.2 | 1.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.1 | 87.5° | 7.0 | 1.6 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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| |
|-------|
| 180° |
| 938.0 |
| 931.6 |
| 891.5 |
| 777.5 |
| 617.4 |
| 481.7 |
| 403.3 |
| 348.7 |
| 314.1 |
| 289.3 |
| 264.4 |
| 239.0 |
| 215.2 |
| 194.6 |
| 167.6 |
| 144.9 |
| 122.7 |
| 110.8 |
| 103.8 |
| 98.4 |
| 93.5 |
| 88.7 |
| 83.8 |
| 77.9 |
| 68.1 |
| 53.5 |
| 39.5 |
| 33.0 |
| 27.0 |
| 20.0 |
| 13.0 |
| 6.5 |
| 1.1 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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