

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: P851598

Luminaire Tested: **GLAN-SB9C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43958 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

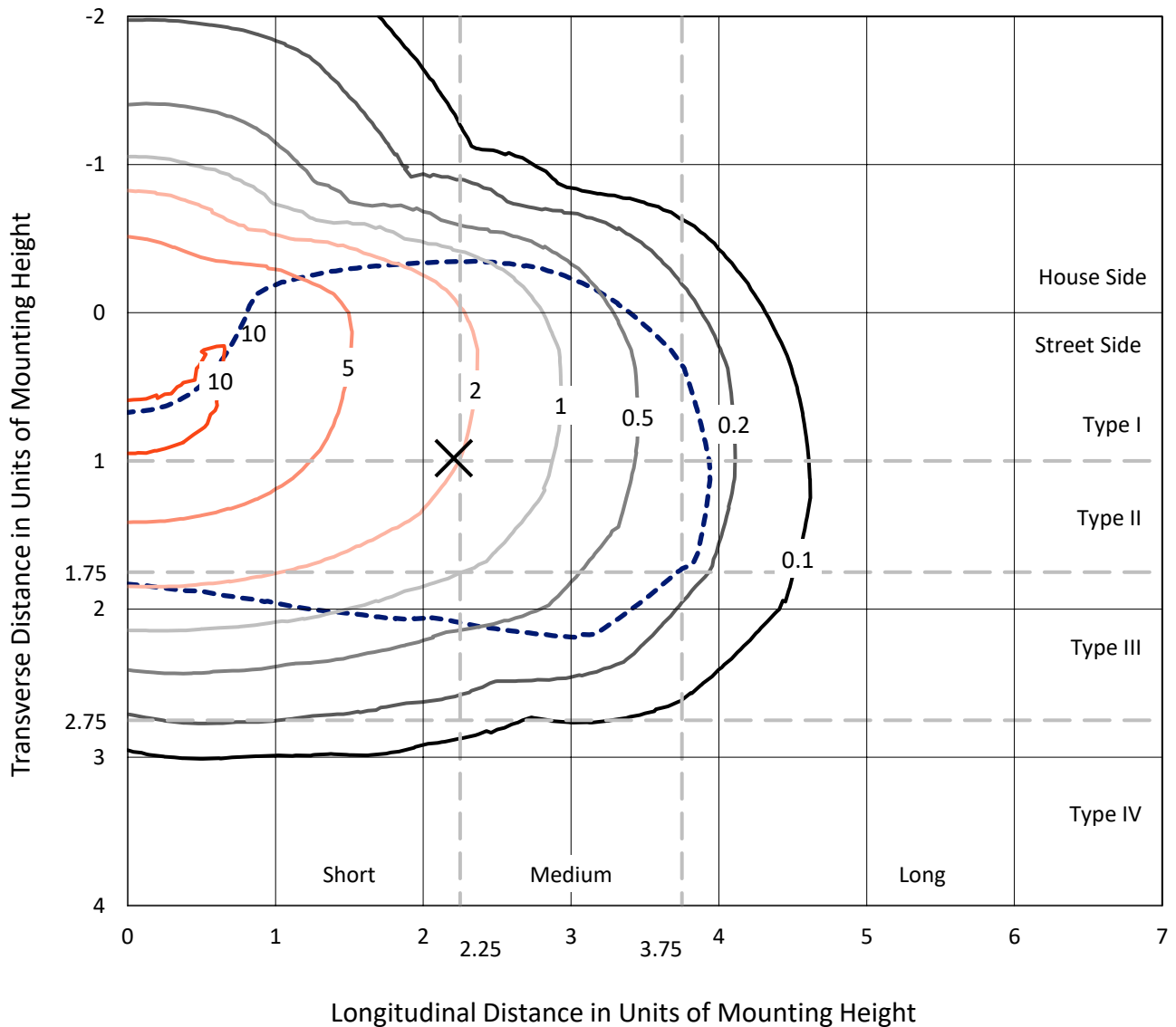
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

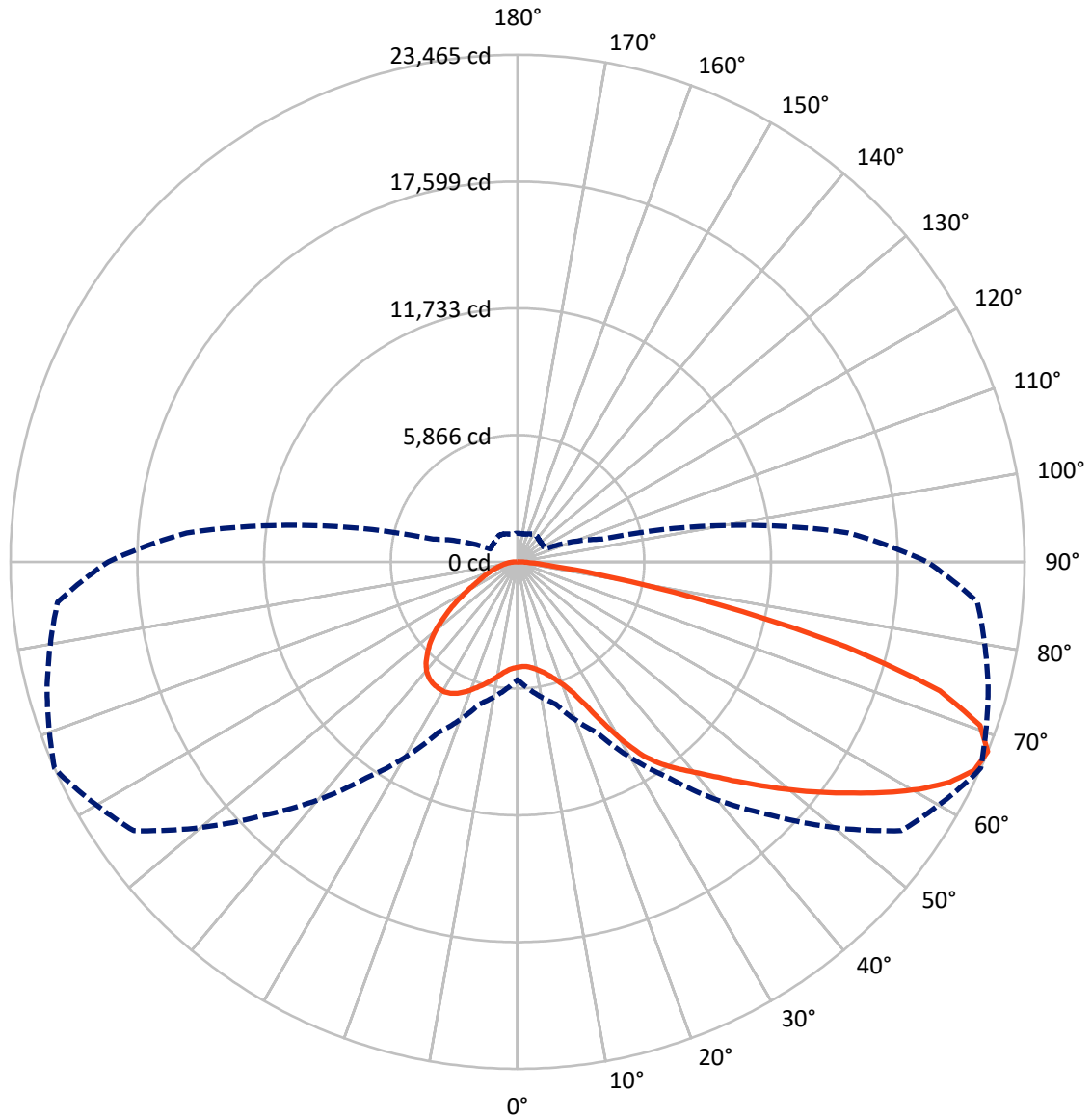
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10930.0 | 0.0 | 10930.0 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 33028.0 | 0.0 | 33028.0 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 43958.0 | 0.0 | 43958.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 483.4 | 1.1 |
| 10°-20° | 1597.0 | 3.6 |
| 20°-30° | 3078.2 | 7.0 |
| 30°-40° | 5397.3 | 12.3 |
| 40°-50° | 8024.0 | 18.3 |
| 50°-60° | 10171.2 | 23.1 |
| 60°-70° | 9952.2 | 22.6 |
| 70°-80° | 4747.3 | 10.8 |
| 80°-90° | 507.4 | 1.2 |
| 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° | 43958.0 | 100.0 |
| 0°-180° | 43958.0 | 100.0 |

Coefficient of Utilization



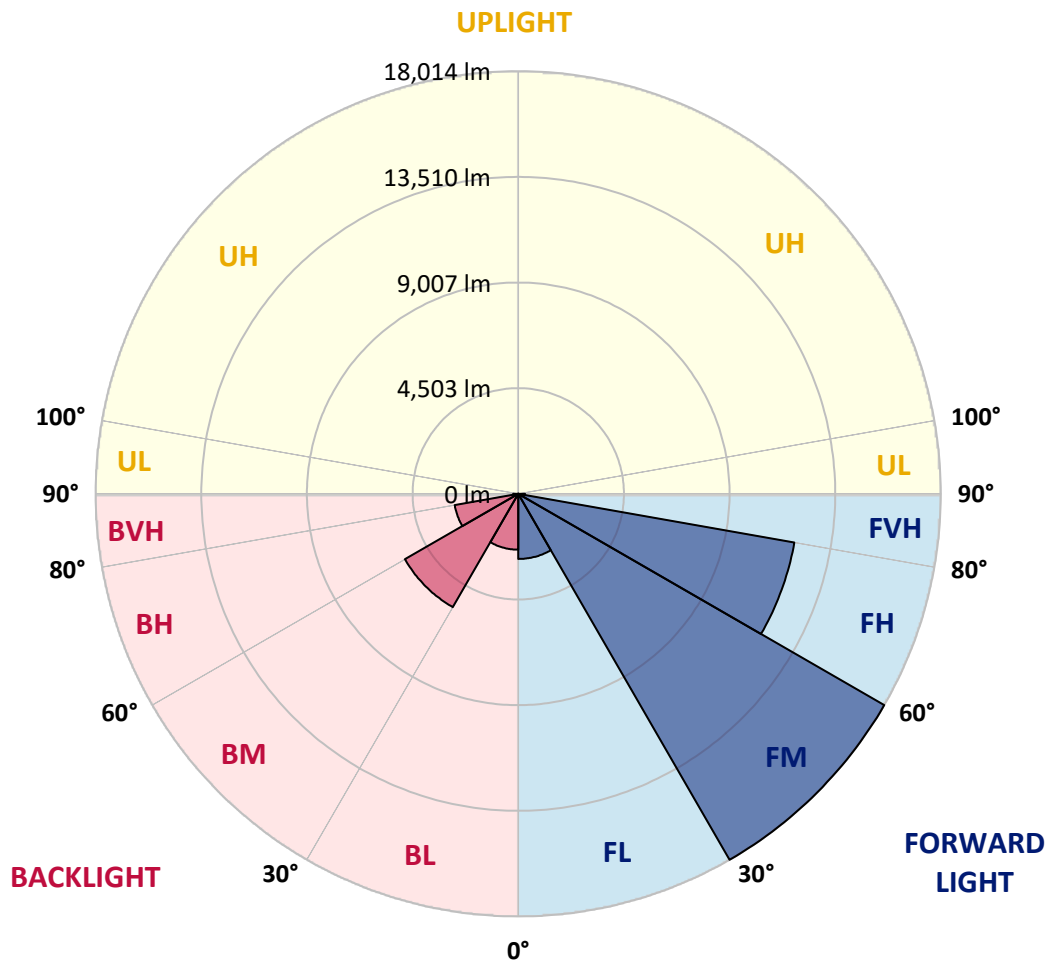
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2777.7 | 6.3 | | | |
| FM (30°-60°) | 18013.6 | 41.0 | | | |
| FH (60°-80°) | 11949.0 | 27.2 | | | G4/12000 |
| FVH (80°-90°) | 287.7 | 0.7 | | | G3/500 |
| BL (0°-30°) | 2381.0 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 5578.8 | 12.7 | B4/8500 | | |
| BH (60°-80°) | 2750.6 | 6.3 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 219.7 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 |
| 2.5° | 4824.7 | 4852.4 | 4845.5 | 4834.0 | 4831.6 | 4836.3 | 4843.2 | 4850.1 | 4847.8 | 4859.4 |
| 5° | 4810.9 | 4838.6 | 4836.3 | 4836.3 | 4845.5 | 4864.0 | 4875.5 | 4887.1 | 4875.5 | 4889.4 |
| 7.5° | 4820.1 | 4840.9 | 4850.1 | 4859.4 | 4882.5 | 4917.1 | 4944.8 | 4970.2 | 4956.4 | 4972.5 |
| 10° | 4937.9 | 4954.0 | 4963.3 | 4963.3 | 4979.5 | 5018.7 | 5046.4 | 5092.6 | 5081.1 | 5106.5 |
| 12.5° | 5152.7 | 5168.8 | 5168.8 | 5159.6 | 5171.1 | 5196.6 | 5205.8 | 5256.6 | 5235.8 | 5277.4 |
| 15° | 5416.0 | 5448.3 | 5422.9 | 5406.7 | 5411.3 | 5436.8 | 5434.4 | 5473.7 | 5452.9 | 5487.6 |
| 17.5° | 5707.0 | 5748.5 | 5707.0 | 5704.7 | 5695.4 | 5723.1 | 5725.4 | 5760.1 | 5723.1 | 5748.5 |
| 20° | 6051.1 | 6108.8 | 6074.2 | 6085.7 | 6065.0 | 6076.5 | 6088.1 | 6138.9 | 6081.1 | 6099.6 |
| 22.5° | 6536.1 | 6605.4 | 6568.4 | 6612.3 | 6598.5 | 6589.2 | 6586.9 | 6677.0 | 6586.9 | 6593.9 |
| 25° | 7242.8 | 7326.0 | 7261.3 | 7321.4 | 7321.4 | 7351.4 | 7386.0 | 7501.5 | 7351.4 | 7307.5 |
| 27.5° | 8286.8 | 8369.9 | 8242.9 | 8279.8 | 8268.3 | 8342.2 | 8305.2 | 8591.6 | 8430.0 | 8358.4 |
| 30° | 9543.2 | 9691.0 | 9450.8 | 9441.6 | 9430.0 | 9547.8 | 9600.9 | 9790.3 | 9626.3 | 9554.7 |
| 32.5° | 10901.2 | 11056.0 | 10769.6 | 10686.4 | 10642.5 | 10714.1 | 10670.3 | 10822.7 | 10709.5 | 10598.7 |
| 35° | 12337.8 | 12490.2 | 12217.7 | 12056.0 | 11880.5 | 11730.4 | 11573.3 | 11612.6 | 11506.3 | 11337.7 |
| 37.5° | 13695.8 | 13975.3 | 13686.6 | 13513.4 | 13190.0 | 12896.7 | 12457.9 | 12275.4 | 12176.1 | 12021.4 |
| 40° | 15079.2 | 15238.6 | 15019.2 | 14871.4 | 14520.3 | 14060.7 | 13358.6 | 12972.9 | 12839.0 | 12688.8 |
| 42.5° | 16097.8 | 16250.2 | 16132.4 | 16030.8 | 15756.0 | 15222.4 | 14314.8 | 13832.1 | 13638.1 | 13469.5 |
| 45° | 16906.1 | 17019.3 | 16945.4 | 16982.3 | 16864.6 | 16347.2 | 15305.6 | 14753.6 | 14552.7 | 14347.1 |
| 47.5° | 17231.8 | 17351.9 | 17469.7 | 17689.1 | 17890.0 | 17508.9 | 16370.3 | 15751.3 | 15538.9 | 15328.7 |
| 50° | 17194.8 | 17317.2 | 17659.0 | 18125.6 | 18749.2 | 18622.1 | 17492.8 | 16813.7 | 16617.4 | 16377.2 |
| 52.5° | 16899.2 | 17037.8 | 17476.6 | 18252.6 | 19245.7 | 19455.9 | 18636.0 | 17910.8 | 17726.0 | 17439.6 |
| 55° | 16123.2 | 16206.3 | 16864.6 | 17963.9 | 19363.5 | 20037.9 | 19756.1 | 19079.4 | 18894.7 | 18495.1 |
| 57.5° | 14684.3 | 14804.4 | 15762.9 | 17185.6 | 19067.9 | 20432.9 | 20740.0 | 20308.1 | 20130.3 | 19555.2 |
| 60° | 12806.6 | 12998.3 | 14095.4 | 15878.4 | 18315.0 | 20430.5 | 21633.8 | 21516.0 | 21368.2 | 20599.1 |
| 62.5° | 10681.8 | 10903.5 | 11959.0 | 14030.7 | 16998.5 | 19850.8 | 22192.8 | 22527.6 | 22451.4 | 21562.2 |
| 65° | 8203.6 | 8356.1 | 9406.9 | 11640.3 | 14949.9 | 18606.0 | 22257.4 | 23218.2 | 23232.1 | 22294.4 |
| 67.5° | 5462.2 | 5901.0 | 6813.3 | 8734.8 | 12206.1 | 16571.2 | 21689.3 | 23331.4 | 23465.3 | 22546.1 |
| 70° | 2665.3 | 3242.7 | 4136.5 | 5676.9 | 8734.8 | 13451.0 | 20204.2 | 22402.9 | 22700.9 | 21811.7 |
| 72.5° | 1106.3 | 1293.4 | 1780.7 | 2801.5 | 5014.1 | 9076.6 | 17220.2 | 19885.5 | 20437.5 | 19326.6 |
| 75° | 746.0 | 808.4 | 1018.5 | 1436.6 | 2284.2 | 4476.0 | 12418.6 | 14827.5 | 15716.7 | 14596.5 |
| 77.5° | 575.1 | 614.3 | 741.4 | 1004.7 | 1358.0 | 1692.9 | 6647.0 | 8935.8 | 9395.4 | 8697.9 |
| 80° | 452.7 | 482.7 | 554.3 | 732.1 | 963.1 | 905.4 | 2265.7 | 4048.7 | 4314.3 | 3619.1 |
| 82.5° | 392.6 | 404.2 | 397.2 | 496.6 | 639.8 | 528.9 | 743.7 | 1494.3 | 1649.0 | 1196.4 |
| 85° | 284.1 | 316.4 | 330.3 | 307.2 | 339.5 | 267.9 | 304.9 | 528.9 | 582.0 | 519.7 |
| 87.5° | 115.5 | 170.9 | 210.2 | 198.6 | 124.7 | 76.2 | 94.7 | 154.7 | 177.8 | 194.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4875.5 | 0° | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 | 4875.5 |
| 4877.8 | 2.5° | 4880.1 | 4896.3 | 4907.9 | 4921.7 | 4931.0 | 4944.8 | 4972.5 | 4988.7 | 4991.0 | 5002.6 |
| 4914.8 | 5° | 4924.0 | 4947.1 | 4972.5 | 5009.5 | 5051.1 | 5085.7 | 5138.8 | 5175.8 | 5189.6 | 5201.2 |
| 5004.9 | 7.5° | 5018.7 | 5051.1 | 5097.2 | 5161.9 | 5222.0 | 5268.2 | 5332.8 | 5376.7 | 5420.6 | 5436.8 |
| 5148.1 | 10° | 5159.6 | 5205.8 | 5272.8 | 5360.5 | 5425.2 | 5485.3 | 5552.2 | 5589.2 | 5633.1 | 5651.5 |
| 5319.0 | 12.5° | 5335.1 | 5383.6 | 5471.4 | 5593.8 | 5653.9 | 5695.4 | 5718.5 | 5709.3 | 5718.5 | 5734.7 |
| 5524.5 | 15° | 5536.1 | 5589.2 | 5688.5 | 5820.1 | 5861.7 | 5824.8 | 5773.9 | 5727.8 | 5720.8 | 5725.4 |
| 5773.9 | 17.5° | 5773.9 | 5813.2 | 5928.7 | 6039.6 | 6009.5 | 5857.1 | 5746.2 | 5672.3 | 5635.4 | 5623.8 |
| 6092.7 | 20° | 6106.5 | 6106.5 | 6201.2 | 6270.5 | 6069.6 | 5810.9 | 5637.7 | 5517.6 | 5441.4 | 5409.0 |
| 6526.9 | 22.5° | 6510.7 | 6473.8 | 6533.8 | 6485.3 | 6058.0 | 5681.6 | 5441.4 | 5233.5 | 5118.0 | 5071.8 |
| 7134.3 | 25° | 7023.4 | 6979.6 | 6963.4 | 6663.1 | 5974.9 | 5476.0 | 5085.7 | 4834.0 | 4732.3 | 4706.9 |
| 8009.6 | 27.5° | 7797.1 | 7686.3 | 7476.1 | 6760.1 | 5822.5 | 5152.7 | 4670.0 | 4436.7 | 4379.0 | 4381.3 |
| 9134.4 | 30° | 8827.2 | 8605.5 | 8090.5 | 6776.3 | 5573.0 | 4695.4 | 4245.0 | 4078.7 | 4051.0 | 4062.6 |
| 10079.0 | 32.5° | 9781.1 | 9570.9 | 8718.7 | 6702.4 | 5189.6 | 4247.3 | 3863.9 | 3753.1 | 3711.5 | 3725.4 |
| 10799.6 | 35° | 10529.4 | 10471.6 | 9300.7 | 6598.5 | 4718.5 | 3827.0 | 3522.1 | 3427.4 | 3346.6 | 3328.1 |
| 11478.6 | 37.5° | 11236.1 | 11213.0 | 9737.2 | 6453.0 | 4251.9 | 3529.0 | 3247.3 | 3122.6 | 3004.8 | 2940.1 |
| 12229.2 | 40° | 12012.1 | 11989.0 | 10023.6 | 6228.9 | 3838.5 | 3270.4 | 3000.1 | 2836.2 | 2690.7 | 2572.9 |
| 13079.2 | 42.5° | 12885.1 | 12748.9 | 10159.8 | 5907.9 | 3487.5 | 3051.0 | 2799.2 | 2577.5 | 2385.8 | 2277.2 |
| 14039.9 | 45° | 13839.0 | 13531.8 | 10157.5 | 5499.1 | 3191.8 | 2850.0 | 2584.4 | 2270.3 | 2092.5 | 1990.9 |
| 15026.1 | 47.5° | 14850.6 | 14280.1 | 10032.8 | 5046.4 | 2905.5 | 2628.3 | 2251.8 | 2011.6 | 1893.9 | 1831.5 |
| 16097.8 | 50° | 15894.5 | 14979.9 | 9820.3 | 4526.8 | 2612.1 | 2376.6 | 2044.0 | 1880.0 | 1789.9 | 1732.2 |
| 17160.2 | 52.5° | 16876.1 | 15615.1 | 9564.0 | 3937.8 | 2314.2 | 2131.7 | 1951.6 | 1824.6 | 1729.9 | 1665.2 |
| 18190.3 | 55° | 17788.4 | 16162.4 | 9201.4 | 3335.0 | 2071.7 | 1967.8 | 1907.7 | 1801.5 | 1692.9 | 1616.7 |
| 19236.5 | 57.5° | 18599.0 | 16518.1 | 8575.5 | 2769.2 | 1898.5 | 1854.6 | 1861.5 | 1762.2 | 1637.5 | 1572.8 |
| 20266.6 | 60° | 19273.4 | 16779.1 | 7649.3 | 2244.9 | 1757.6 | 1743.7 | 1789.9 | 1688.3 | 1542.8 | 1468.9 |
| 21137.3 | 62.5° | 19677.6 | 16774.5 | 6513.0 | 1838.4 | 1637.5 | 1642.1 | 1695.2 | 1595.9 | 1448.1 | 1378.8 |
| 21592.3 | 65° | 19643.0 | 16363.4 | 5265.8 | 1572.8 | 1522.0 | 1526.6 | 1595.9 | 1494.3 | 1369.6 | 1328.0 |
| 21363.6 | 67.5° | 18947.8 | 15361.0 | 4039.5 | 1399.6 | 1395.0 | 1415.8 | 1496.6 | 1425.0 | 1321.1 | 1316.5 |
| 20001.0 | 70° | 17065.5 | 13280.1 | 2910.1 | 1261.0 | 1263.3 | 1293.4 | 1399.6 | 1381.1 | 1295.7 | 1304.9 |
| 16816.1 | 72.5° | 13684.3 | 10125.2 | 1953.9 | 1115.5 | 1117.8 | 1166.3 | 1307.2 | 1346.5 | 1270.3 | 1392.7 |
| 11931.3 | 75° | 9113.6 | 6314.4 | 1256.4 | 960.8 | 963.1 | 1025.5 | 1226.4 | 1279.5 | 1201.0 | 1388.1 |
| 6208.2 | 77.5° | 4379.0 | 2838.5 | 910.0 | 808.4 | 808.4 | 866.1 | 1060.1 | 1145.6 | 1023.1 | 1078.6 |
| 1995.5 | 80° | 1512.8 | 1067.0 | 716.0 | 651.3 | 637.4 | 676.7 | 893.8 | 993.1 | 882.3 | 813.0 |
| 651.3 | 82.5° | 595.9 | 554.3 | 575.1 | 505.8 | 459.6 | 485.0 | 695.2 | 819.9 | 649.0 | 586.6 |
| 367.2 | 85° | 341.8 | 360.3 | 406.5 | 334.9 | 265.6 | 297.9 | 510.4 | 588.9 | 489.6 | 431.9 |
| 120.1 | 87.5° | 92.4 | 127.0 | 187.1 | 173.2 | 120.1 | 127.0 | 242.5 | 325.7 | 281.8 | 217.1 |
| 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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| 180° |
|--------|
| 4875.5 |
| 5000.2 |
| 5198.9 |
| 5439.1 |
| 5660.8 |
| 5739.3 |
| 5741.6 |
| 5640.0 |
| 5402.1 |
| 5064.9 |
| 4711.5 |
| 4388.2 |
| 4101.8 |
| 3743.8 |
| 3342.0 |
| 2942.4 |
| 2584.4 |
| 2284.2 |
| 1986.2 |
| 1817.6 |
| 1711.4 |
| 1637.5 |
| 1586.7 |
| 1531.3 |
| 1436.6 |
| 1358.0 |
| 1325.7 |
| 1323.4 |
| 1302.6 |
| 1411.2 |
| 1399.6 |
| 988.5 |
| 762.2 |
| 584.3 |
| 441.1 |
| 224.0 |
| 0.0 |

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