

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: P851596

Luminaire Tested: **GLAN-SB9C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43526 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

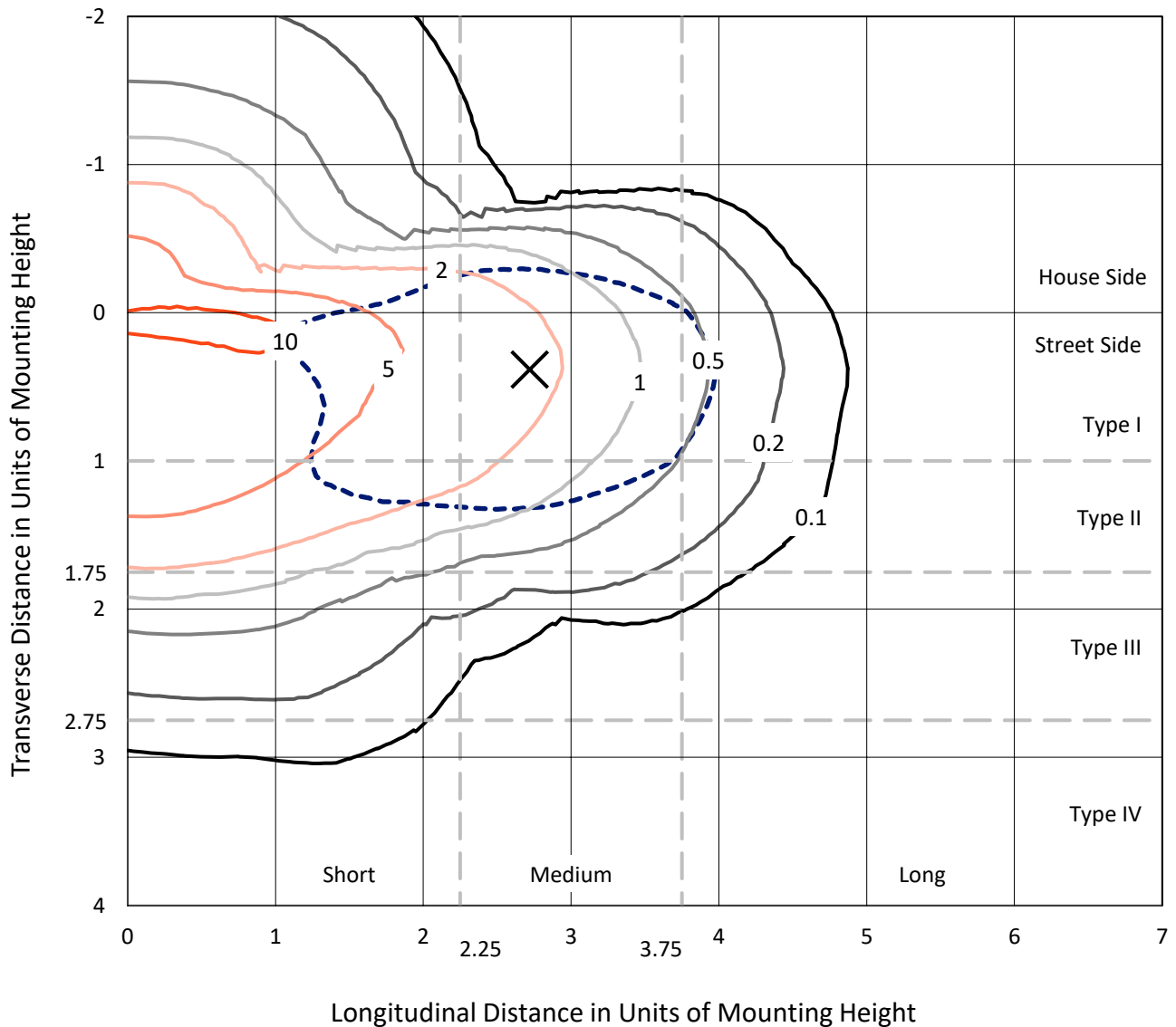
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

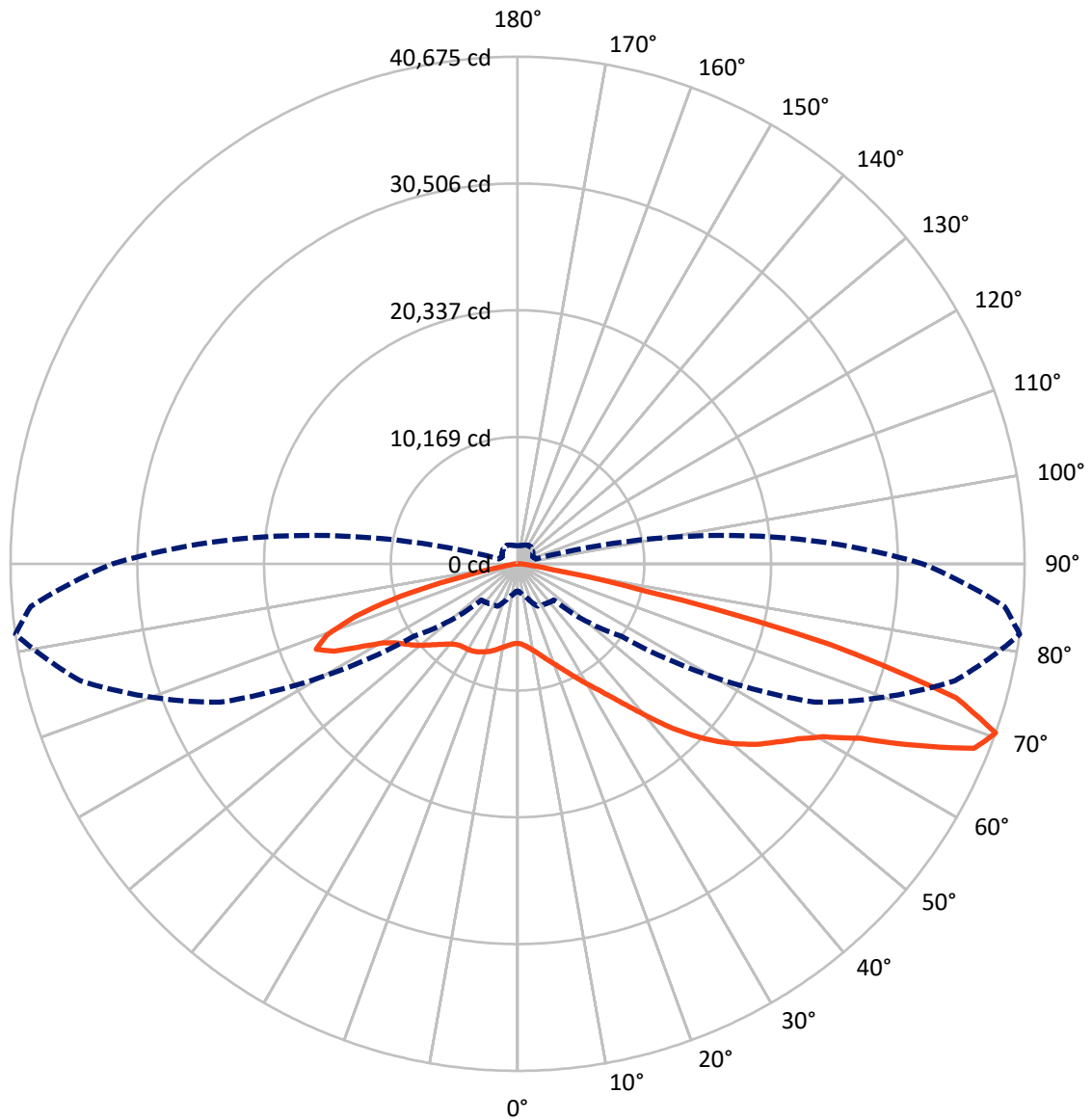
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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 | 10730.2 | 0.0 | 10730.2 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 32795.8 | 0.0 | 32795.8 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 43526.0 | 0.0 | 43526.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 602.5 | 1.4 |
| 10°-20° | 1731.1 | 4.0 |
| 20°-30° | 2895.9 | 6.7 |
| 30°-40° | 4524.2 | 10.4 |
| 40°-50° | 7205.3 | 16.6 |
| 50°-60° | 10027.0 | 23.0 |
| 60°-70° | 10488.7 | 24.1 |
| 70°-80° | 5482.0 | 12.6 |
| 80°-90° | 569.2 | 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° | 43526.0 | 100.0 |
| 0°-180° | 43526.0 | 100.0 |

Coefficient of Utilization



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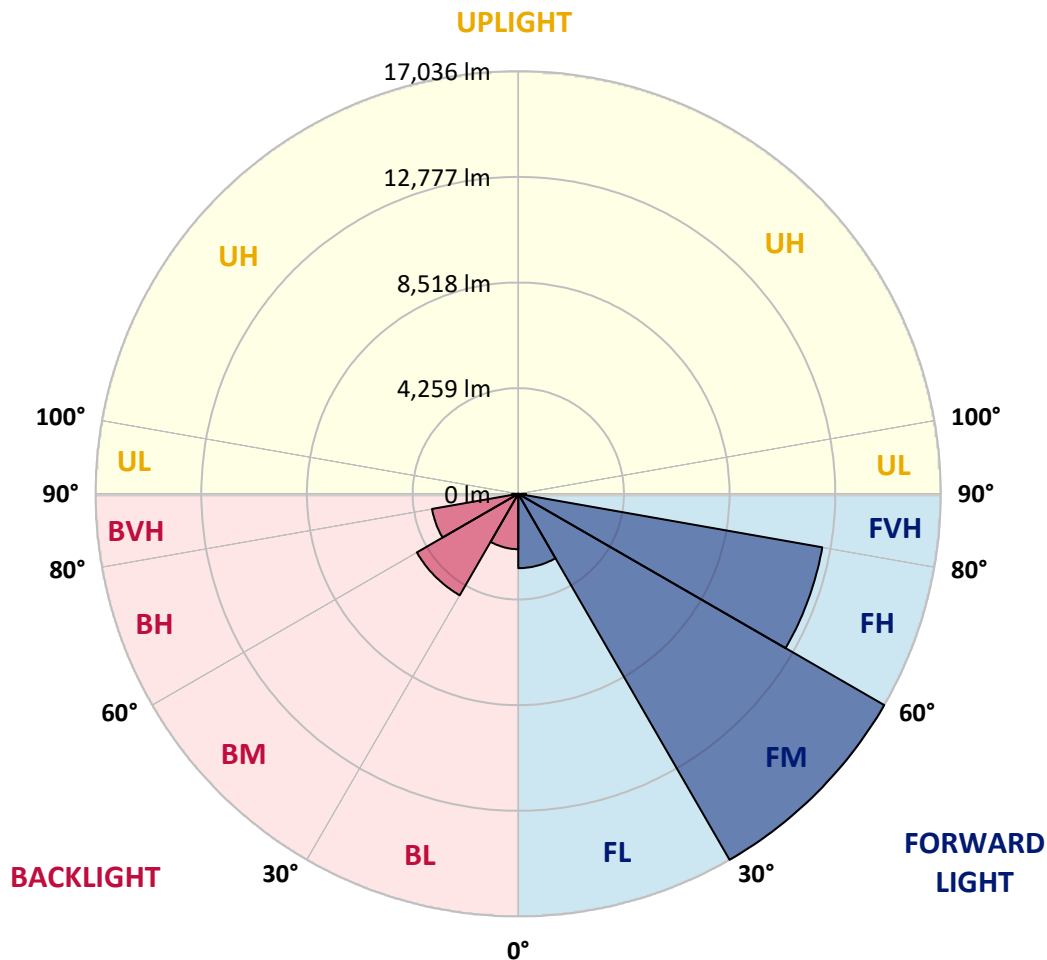
CATALOG NUMBER: GLAN-SB9C-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2997.2 | 6.9 | | | |
| FM (30°-60°) | 17035.6 | 39.1 | | | |
| FH (60°-80°) | 12444.2 | 28.6 | | | G5 |
| FVH (80°-90°) | 318.7 | 0.7 | | | G3/500 |
| BL (0°-30°) | 2232.3 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 4720.9 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 3526.5 | 8.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 250.6 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 |
| 2.5° | 6533.9 | 6570.8 | 6559.3 | 6547.7 | 6547.7 | 6531.6 | 6529.3 | 6506.2 | 6487.7 | 6457.7 |
| 5° | 6617.0 | 6656.3 | 6651.7 | 6660.9 | 6690.9 | 6697.9 | 6704.8 | 6690.9 | 6654.0 | 6617.0 |
| 7.5° | 6543.1 | 6587.0 | 6600.9 | 6656.3 | 6748.7 | 6831.8 | 6894.2 | 6919.6 | 6885.0 | 6831.8 |
| 10° | 6293.7 | 6342.2 | 6390.7 | 6522.3 | 6686.3 | 6882.6 | 7048.9 | 7148.2 | 7141.3 | 7090.5 |
| 12.5° | 5787.9 | 5838.7 | 5942.6 | 6199.0 | 6499.2 | 6845.7 | 7155.2 | 7363.0 | 7434.6 | 7397.7 |
| 15° | 5383.7 | 5427.6 | 5506.1 | 5769.4 | 6159.7 | 6686.3 | 7194.4 | 7598.6 | 7781.1 | 7760.3 |
| 17.5° | 5372.2 | 5390.6 | 5439.1 | 5563.9 | 5864.1 | 6436.9 | 7152.9 | 7829.6 | 8178.3 | 8176.0 |
| 20° | 5575.4 | 5582.3 | 5610.0 | 5635.5 | 5806.4 | 6247.5 | 7046.6 | 8021.3 | 8624.1 | 8624.1 |
| 22.5° | 5857.2 | 5852.6 | 5880.3 | 5857.2 | 5940.3 | 6231.3 | 6979.6 | 8189.9 | 9120.7 | 9157.6 |
| 25° | 6279.8 | 6256.7 | 6249.8 | 6196.7 | 6212.9 | 6381.5 | 7053.6 | 8381.6 | 9709.6 | 9785.8 |
| 27.5° | 6843.4 | 6806.4 | 6781.0 | 6658.6 | 6617.0 | 6690.9 | 7279.9 | 8612.5 | 10365.5 | 10497.2 |
| 30° | 7577.8 | 7510.9 | 7473.9 | 7261.4 | 7111.3 | 7122.8 | 7621.7 | 8919.7 | 11051.5 | 11264.0 |
| 32.5° | 8580.2 | 8476.3 | 8377.0 | 8028.2 | 7753.4 | 7663.3 | 8062.9 | 9344.7 | 11795.2 | 12134.7 |
| 35° | 9702.7 | 9619.5 | 9513.3 | 8975.1 | 8552.5 | 8344.6 | 8658.7 | 9938.3 | 12665.9 | 13204.0 |
| 37.5° | 10783.6 | 10712.0 | 10762.8 | 10037.6 | 9492.5 | 9189.9 | 9439.4 | 10735.1 | 13739.9 | 14534.4 |
| 40° | 11901.4 | 11846.0 | 11852.9 | 11160.0 | 10524.9 | 10185.4 | 10386.3 | 11735.1 | 14970.9 | 16116.5 |
| 42.5° | 13116.3 | 13074.7 | 12936.1 | 12321.8 | 11608.1 | 11291.7 | 11476.5 | 12889.9 | 16292.0 | 17918.0 |
| 45° | 14476.6 | 14451.2 | 14321.9 | 13617.5 | 12799.9 | 12444.2 | 12693.6 | 14164.8 | 17620.0 | 19613.2 |
| 47.5° | 15652.2 | 15673.0 | 15656.9 | 15063.3 | 14215.7 | 13693.7 | 13991.6 | 15495.2 | 18855.7 | 21206.9 |
| 50° | 16218.1 | 16326.6 | 16486.0 | 16301.2 | 15774.6 | 15243.4 | 15301.2 | 16779.3 | 20033.6 | 22701.2 |
| 52.5° | 15922.5 | 16128.0 | 16562.2 | 16857.9 | 17061.1 | 16950.2 | 16795.5 | 18054.2 | 21142.2 | 24050.0 |
| 55° | 14820.8 | 15109.5 | 15830.1 | 16543.7 | 17580.8 | 18386.8 | 18590.1 | 19467.7 | 22223.1 | 25237.1 |
| 57.5° | 12813.7 | 13282.6 | 13929.3 | 15372.8 | 17118.8 | 19082.0 | 20682.6 | 21428.6 | 23368.6 | 26505.1 |
| 60° | 9372.4 | 10000.6 | 10804.4 | 12952.3 | 15502.1 | 18710.2 | 22463.3 | 24440.3 | 24996.9 | 28147.2 |
| 62.5° | 5998.1 | 6386.1 | 7125.2 | 9148.4 | 12079.3 | 16804.7 | 23008.3 | 28205.0 | 27756.9 | 30840.2 |
| 65° | 4106.5 | 4355.9 | 5032.6 | 6169.0 | 7808.8 | 12508.9 | 21548.7 | 31027.3 | 32140.6 | 35108.4 |
| 67.5° | 2984.0 | 3173.4 | 3750.8 | 4746.3 | 5088.1 | 7402.3 | 16721.6 | 30898.0 | 36401.8 | 39505.9 |
| 70° | 2175.7 | 2309.6 | 2794.6 | 3750.8 | 3914.8 | 4118.0 | 10130.0 | 26264.9 | 36309.4 | 40674.6 |
| 72.5° | 1612.1 | 1704.5 | 2030.1 | 2910.1 | 3168.8 | 2780.8 | 5014.2 | 19088.9 | 31200.5 | 36789.8 |
| 75° | 1166.4 | 1235.6 | 1475.8 | 2226.5 | 2536.0 | 2117.9 | 2501.3 | 11155.4 | 21763.5 | 25879.2 |
| 77.5° | 891.5 | 944.6 | 1101.7 | 1630.6 | 2030.1 | 1589.0 | 1552.1 | 5132.0 | 10319.3 | 10370.2 |
| 80° | 716.0 | 750.6 | 836.1 | 1147.9 | 1556.7 | 1189.4 | 1011.6 | 2071.7 | 3261.2 | 2760.0 |
| 82.5° | 526.6 | 584.3 | 706.7 | 806.1 | 1113.2 | 819.9 | 616.7 | 1046.3 | 1240.3 | 1067.0 |
| 85° | 300.2 | 339.5 | 427.3 | 577.4 | 711.4 | 501.2 | 353.4 | 464.2 | 577.4 | 473.5 |
| 87.5° | 106.2 | 138.6 | 150.1 | 226.3 | 309.5 | 207.9 | 136.3 | 134.0 | 189.4 | 140.9 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6381.5 | 0° | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 | 6381.5 |
| 6450.7 | 2.5° | 6427.6 | 6416.1 | 6369.9 | 6307.5 | 6242.9 | 6180.5 | 6159.7 | 6115.9 | 6085.8 | 6069.7 |
| 6600.9 | 5° | 6557.0 | 6520.0 | 6411.5 | 6272.9 | 6127.4 | 5970.3 | 5859.5 | 5757.9 | 5684.0 | 5614.7 |
| 6806.4 | 7.5° | 6741.8 | 6677.1 | 6490.0 | 6247.5 | 5988.8 | 5727.8 | 5533.8 | 5386.0 | 5286.7 | 5222.0 |
| 7046.6 | 10° | 6956.5 | 6857.2 | 6570.8 | 6208.2 | 5808.7 | 5434.5 | 5205.9 | 5078.8 | 5016.5 | 4981.8 |
| 7321.5 | 12.5° | 7203.7 | 7062.8 | 6654.0 | 6118.2 | 5533.8 | 5106.6 | 4949.5 | 4912.5 | 4914.9 | 4917.2 |
| 7667.9 | 15° | 7508.5 | 7312.2 | 6721.0 | 5921.8 | 5175.8 | 4854.8 | 4827.1 | 4887.1 | 4949.5 | 4979.5 |
| 8060.5 | 17.5° | 7852.7 | 7575.5 | 6732.5 | 5598.5 | 4824.8 | 4693.1 | 4780.9 | 4910.2 | 5004.9 | 5046.5 |
| 8499.4 | 20° | 8222.2 | 7843.4 | 6649.4 | 5141.2 | 4536.1 | 4561.5 | 4718.5 | 4884.8 | 4988.8 | 5041.9 |
| 9000.6 | 22.5° | 8644.9 | 8129.8 | 6450.7 | 4660.8 | 4300.5 | 4418.3 | 4603.1 | 4764.7 | 4873.3 | 4926.4 |
| 9589.5 | 25° | 9127.6 | 8450.9 | 6138.9 | 4256.6 | 4097.3 | 4256.6 | 4441.4 | 4575.3 | 4663.1 | 4711.6 |
| 10247.7 | 27.5° | 9663.4 | 8785.8 | 5723.2 | 3935.6 | 3919.4 | 4090.3 | 4242.8 | 4346.7 | 4392.9 | 4429.8 |
| 10947.6 | 30° | 10201.6 | 9090.6 | 5219.7 | 3693.1 | 3764.7 | 3926.3 | 4034.9 | 4081.1 | 4094.9 | 4101.9 |
| 11728.2 | 32.5° | 10783.6 | 9353.9 | 4690.8 | 3492.1 | 3616.9 | 3767.0 | 3831.6 | 3852.4 | 3787.8 | 3743.9 |
| 12675.1 | 35° | 11488.0 | 9635.7 | 4173.5 | 3332.8 | 3471.3 | 3600.7 | 3621.5 | 3603.0 | 3526.8 | 3436.7 |
| 13862.3 | 37.5° | 12358.7 | 9986.8 | 3760.0 | 3219.6 | 3335.1 | 3420.5 | 3395.1 | 3390.5 | 3397.4 | 3291.2 |
| 15289.6 | 40° | 13425.8 | 10444.1 | 3457.5 | 3131.8 | 3224.2 | 3242.7 | 3171.1 | 3210.4 | 3245.0 | 3083.3 |
| 16855.5 | 42.5° | 14610.6 | 10996.1 | 3265.8 | 3071.8 | 3131.8 | 3088.0 | 2977.1 | 3021.0 | 3016.4 | 2803.9 |
| 18428.4 | 45° | 15818.5 | 11596.6 | 3198.8 | 3027.9 | 3046.4 | 2958.6 | 2836.2 | 2847.8 | 2750.7 | 2559.0 |
| 19936.6 | 47.5° | 17019.5 | 12240.9 | 3240.4 | 2990.9 | 2940.1 | 2840.8 | 2746.1 | 2695.3 | 2552.1 | 2408.9 |
| 21382.4 | 50° | 18197.4 | 12917.7 | 3392.8 | 2917.0 | 2794.6 | 2736.9 | 2667.6 | 2577.5 | 2425.1 | 2302.7 |
| 22749.7 | 52.5° | 19289.9 | 13599.0 | 3563.7 | 2794.6 | 2612.2 | 2646.8 | 2602.9 | 2499.0 | 2348.9 | 2224.2 |
| 24043.1 | 55° | 20324.6 | 14280.3 | 3630.7 | 2626.0 | 2441.3 | 2568.3 | 2542.9 | 2351.2 | 2171.0 | 2069.4 |
| 25396.5 | 57.5° | 21451.7 | 15100.2 | 3556.8 | 2411.2 | 2302.7 | 2478.2 | 2381.2 | 2168.7 | 2064.8 | 1988.6 |
| 27158.7 | 60° | 23013.0 | 16386.7 | 3397.4 | 2145.6 | 2171.0 | 2344.3 | 2178.0 | 2090.2 | 1977.0 | 1891.6 |
| 29800.9 | 62.5° | 25606.7 | 18786.4 | 3141.1 | 1882.3 | 2016.3 | 2145.6 | 2081.0 | 1993.2 | 1877.7 | 1794.6 |
| 34318.5 | 65° | 29440.6 | 22121.5 | 2658.4 | 1676.8 | 1843.1 | 1951.6 | 1977.0 | 1889.3 | 1769.2 | 1681.4 |
| 38277.2 | 67.5° | 32674.1 | 24214.0 | 2011.7 | 1505.9 | 1665.2 | 1794.6 | 1866.2 | 1780.7 | 1653.7 | 1568.2 |
| 39203.3 | 70° | 32496.2 | 22694.2 | 1535.9 | 1337.3 | 1508.2 | 1639.8 | 1732.2 | 1665.2 | 1529.0 | 1448.1 |
| 35609.6 | 72.5° | 28863.2 | 18985.0 | 1242.6 | 1166.4 | 1348.8 | 1478.2 | 1589.0 | 1538.2 | 1399.6 | 1321.1 |
| 26087.1 | 75° | 21204.5 | 13476.6 | 993.1 | 993.1 | 1150.2 | 1309.5 | 1432.0 | 1399.6 | 1272.6 | 1217.2 |
| 10952.2 | 77.5° | 8938.2 | 5653.9 | 778.3 | 824.5 | 956.2 | 1124.8 | 1277.2 | 1288.8 | 1177.9 | 1247.2 |
| 2896.3 | 80° | 2376.6 | 1559.0 | 593.6 | 649.0 | 750.6 | 928.5 | 1110.9 | 1106.3 | 986.2 | 921.5 |
| 1076.3 | 82.5° | 905.4 | 614.4 | 422.7 | 457.3 | 542.8 | 711.4 | 880.0 | 907.7 | 787.6 | 681.3 |
| 422.7 | 85° | 348.8 | 263.3 | 261.0 | 274.8 | 316.4 | 471.2 | 665.2 | 688.3 | 593.6 | 503.5 |
| 117.8 | 87.5° | 90.1 | 78.5 | 97.0 | 92.4 | 145.5 | 251.7 | 381.1 | 394.9 | 362.6 | 210.2 |
| 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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| 180° |
|--------|
| 6381.5 |
| 6088.1 |
| 5642.4 |
| 5235.9 |
| 4991.1 |
| 4921.8 |
| 4977.2 |
| 5055.7 |
| 5055.7 |
| 4940.3 |
| 4725.5 |
| 4443.7 |
| 4118.0 |
| 3757.7 |
| 3441.3 |
| 3298.1 |
| 3088.0 |
| 2801.6 |
| 2566.0 |
| 2408.9 |
| 2293.4 |
| 2226.5 |
| 2060.2 |
| 1981.6 |
| 1887.0 |
| 1794.6 |
| 1686.0 |
| 1570.5 |
| 1455.1 |
| 1321.1 |
| 1201.0 |
| 1131.7 |
| 856.9 |
| 681.3 |
| 519.7 |
| 300.2 |
| 0.0 |

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