

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: P851608

Luminaire Tested: **GLAN-SB9C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851608
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-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46051 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

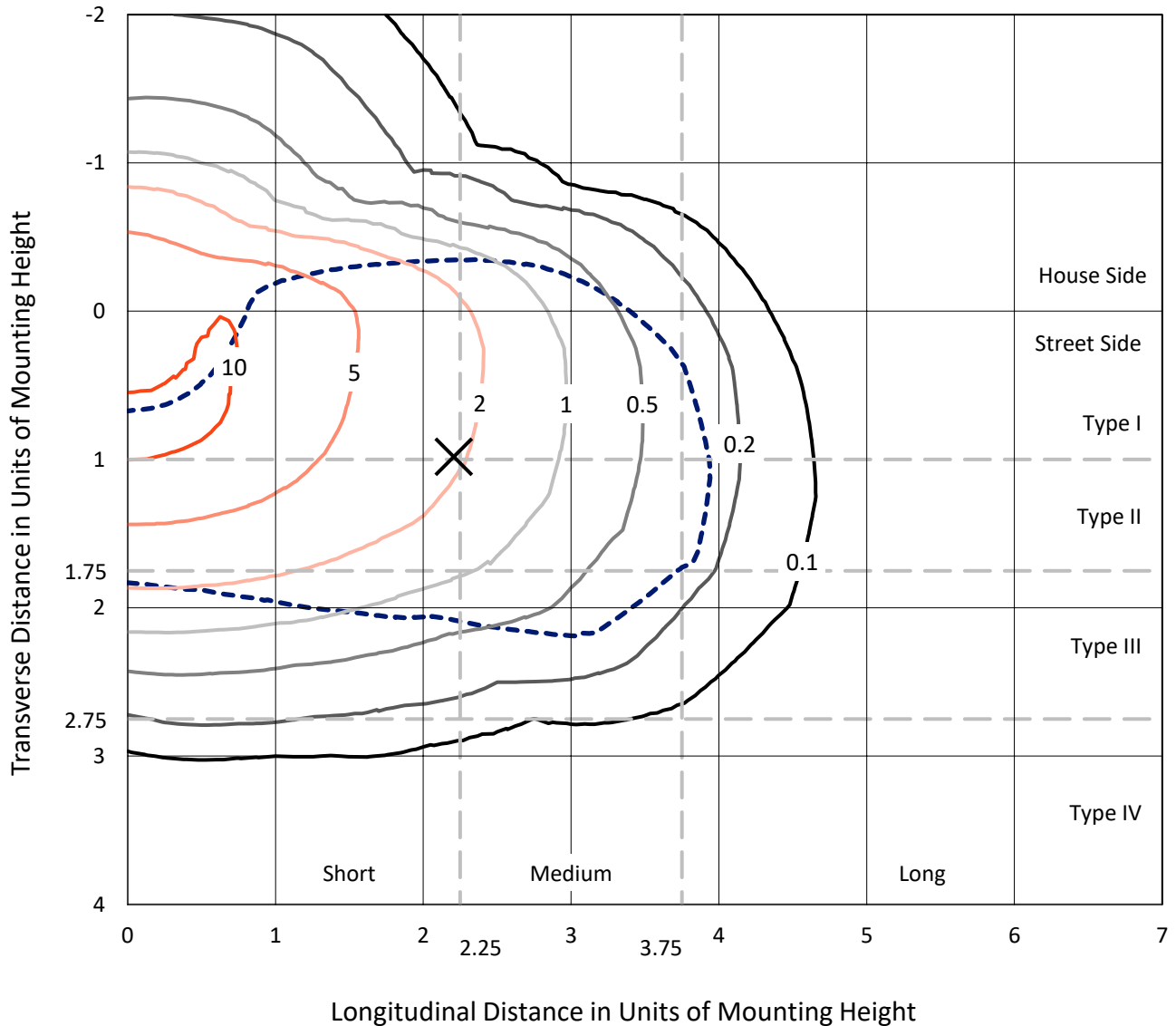
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

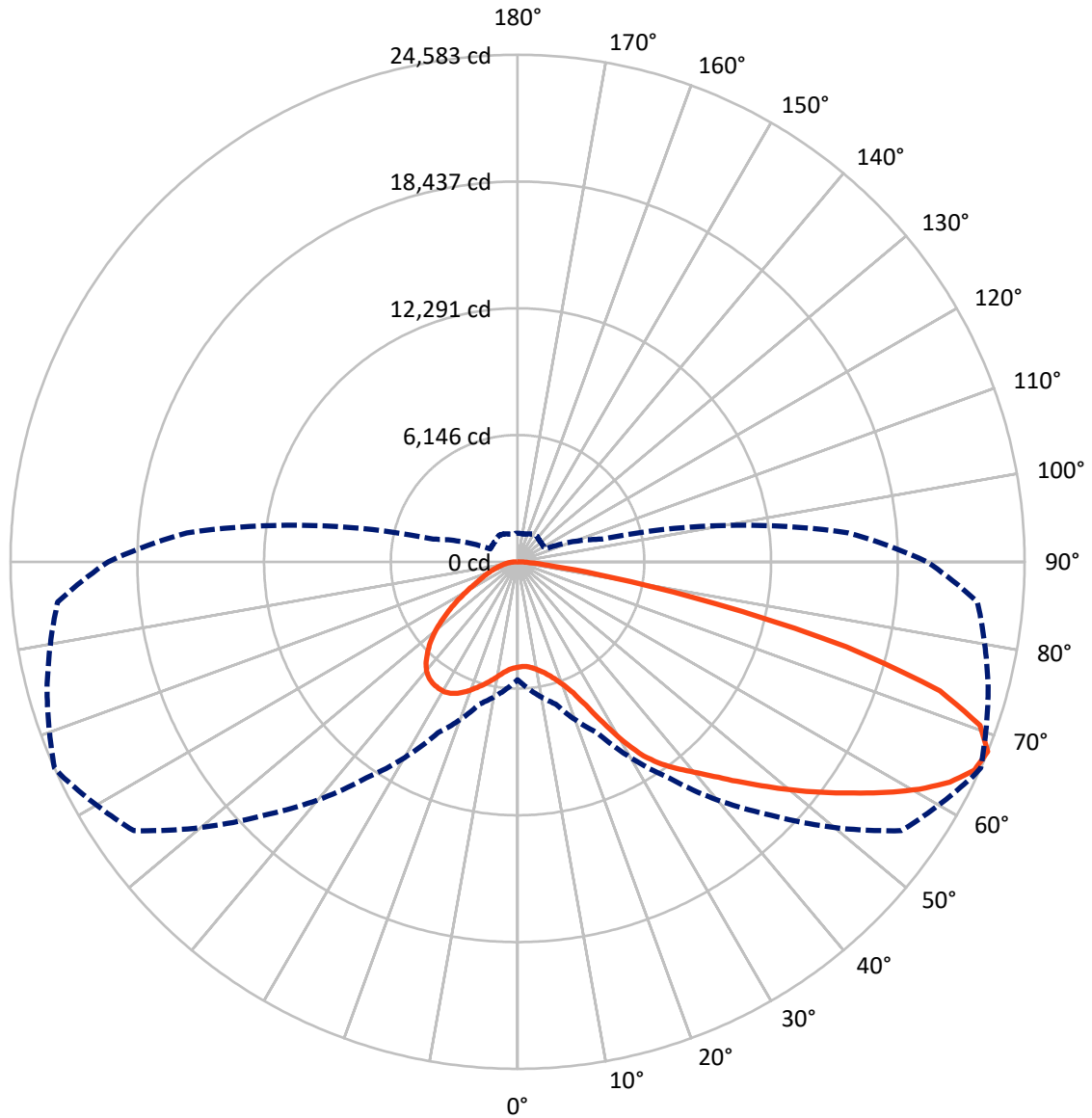
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type 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 | 11450.4 | 0.0 | 11450.4 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 34600.5 | 0.0 | 34600.5 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 46051.0 | 0.0 | 46051.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 506.4 | 1.1 |
| 10°-20° | 1673.1 | 3.6 |
| 20°-30° | 3224.8 | 7.0 |
| 30°-40° | 5654.3 | 12.3 |
| 40°-50° | 8406.0 | 18.3 |
| 50°-60° | 10655.5 | 23.1 |
| 60°-70° | 10426.1 | 22.6 |
| 70°-80° | 4973.3 | 10.8 |
| 80°-90° | 531.5 | 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° | 46051.0 | 100.0 |
| 0°-180° | 46051.0 | 100.0 |

Coefficient of Utilization

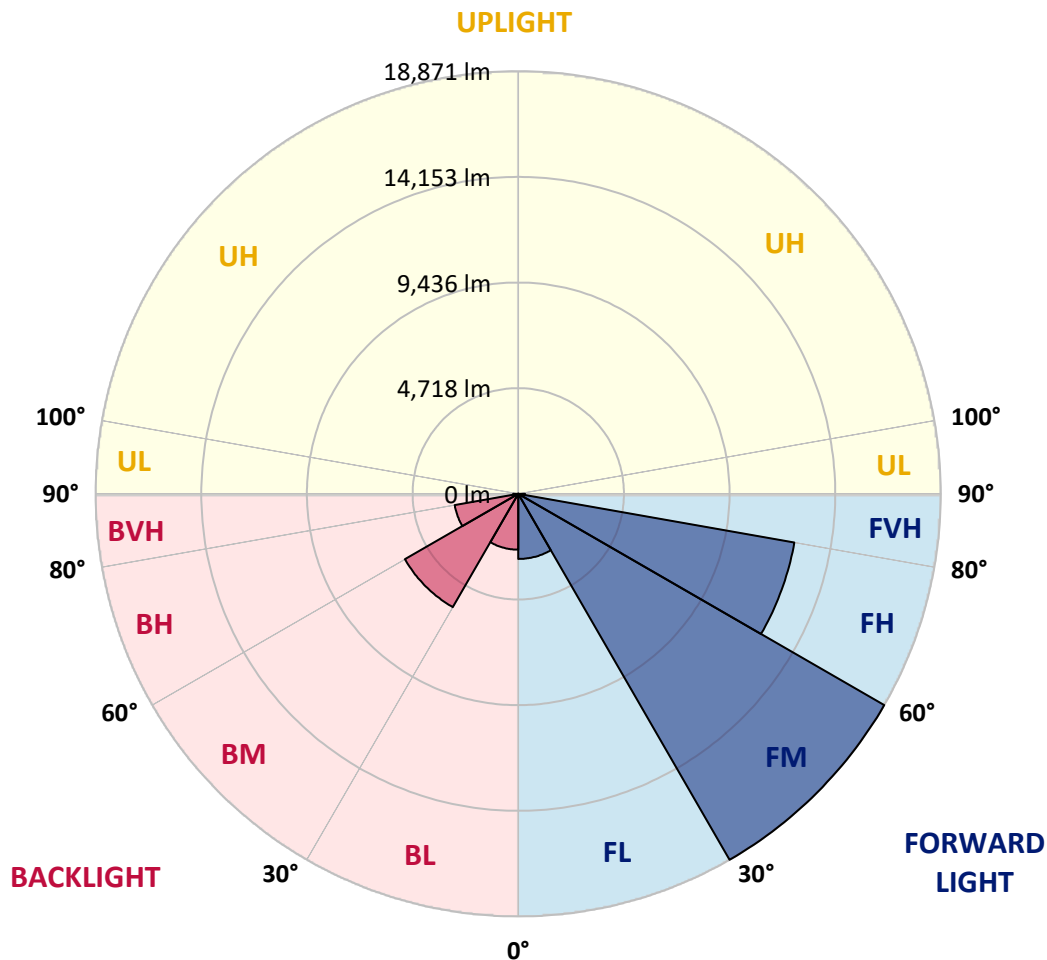


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2910.0 | 6.3 | | | |
| FM (30°-60°) | 18871.3 | 41.0 | | | |
| FH (60°-80°) | 12517.9 | 27.2 | | | G5 |
| FVH (80°-90°) | 301.4 | 0.7 | | | G3/500 |
| BL (0°-30°) | 2494.3 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 5844.4 | 12.7 | B4/8500 | | |
| BH (60°-80°) | 2881.5 | 6.3 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 230.2 | 0.5 | | | 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 III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 |
| 2.5° | 5054.4 | 5083.5 | 5076.2 | 5064.1 | 5061.7 | 5066.5 | 5073.8 | 5081.0 | 5078.6 | 5090.7 |
| 5° | 5039.9 | 5069.0 | 5066.5 | 5066.5 | 5076.2 | 5095.6 | 5107.7 | 5119.8 | 5107.7 | 5122.2 |
| 7.5° | 5049.6 | 5071.4 | 5081.0 | 5090.7 | 5114.9 | 5151.2 | 5180.3 | 5206.9 | 5192.3 | 5209.3 |
| 10° | 5173.0 | 5189.9 | 5199.6 | 5199.6 | 5216.5 | 5257.7 | 5286.7 | 5335.1 | 5323.0 | 5349.6 |
| 12.5° | 5398.0 | 5414.9 | 5414.9 | 5405.3 | 5417.4 | 5444.0 | 5453.7 | 5506.9 | 5485.1 | 5528.7 |
| 15° | 5673.8 | 5707.7 | 5681.1 | 5664.2 | 5669.0 | 5695.6 | 5693.2 | 5734.3 | 5712.6 | 5748.8 |
| 17.5° | 5978.7 | 6022.3 | 5978.7 | 5976.3 | 5966.6 | 5995.6 | 5998.1 | 6034.4 | 5995.6 | 6022.3 |
| 20° | 6339.2 | 6399.7 | 6363.4 | 6375.5 | 6353.7 | 6365.8 | 6377.9 | 6431.2 | 6370.7 | 6390.0 |
| 22.5° | 6847.3 | 6919.9 | 6881.2 | 6927.2 | 6912.6 | 6903.0 | 6900.5 | 6994.9 | 6900.5 | 6907.8 |
| 25° | 7587.7 | 7674.8 | 7607.1 | 7670.0 | 7670.0 | 7701.4 | 7737.7 | 7858.7 | 7701.4 | 7655.4 |
| 27.5° | 8681.3 | 8768.4 | 8635.4 | 8674.1 | 8662.0 | 8739.4 | 8700.7 | 9000.7 | 8831.3 | 8756.3 |
| 30° | 9997.6 | 10152.4 | 9900.8 | 9891.1 | 9879.0 | 10002.4 | 10058.1 | 10256.5 | 10084.7 | 10009.7 |
| 32.5° | 11420.3 | 11582.4 | 11282.3 | 11195.2 | 11149.3 | 11224.3 | 11178.3 | 11338.0 | 11219.4 | 11103.3 |
| 35° | 12925.2 | 13084.9 | 12799.4 | 12630.0 | 12446.2 | 12288.9 | 12124.4 | 12165.5 | 12054.2 | 11877.6 |
| 37.5° | 14347.9 | 14640.7 | 14338.2 | 14156.8 | 13818.0 | 13510.8 | 13051.0 | 12859.9 | 12755.9 | 12593.7 |
| 40° | 15797.2 | 15964.2 | 15734.3 | 15579.5 | 15211.7 | 14730.2 | 13994.7 | 13590.6 | 13450.3 | 13293.0 |
| 42.5° | 16864.2 | 17023.9 | 16900.5 | 16794.1 | 16506.2 | 15947.2 | 14996.4 | 14490.7 | 14287.4 | 14110.8 |
| 45° | 17711.1 | 17829.6 | 17752.2 | 17790.9 | 17667.5 | 17125.6 | 16034.3 | 15456.1 | 15245.6 | 15030.2 |
| 47.5° | 18052.2 | 18178.1 | 18301.5 | 18531.3 | 18741.8 | 18342.6 | 17149.8 | 16501.3 | 16278.7 | 16058.5 |
| 50° | 18013.5 | 18141.8 | 18499.9 | 18988.6 | 19641.9 | 19508.8 | 18325.7 | 17614.3 | 17408.6 | 17157.0 |
| 52.5° | 17703.8 | 17849.0 | 18308.7 | 19121.7 | 20162.1 | 20382.3 | 19523.3 | 18763.6 | 18570.0 | 18270.0 |
| 55° | 16890.9 | 16978.0 | 17667.5 | 18819.2 | 20285.5 | 20992.0 | 20696.8 | 19987.9 | 19794.3 | 19375.7 |
| 57.5° | 15383.5 | 15509.3 | 16513.4 | 18003.9 | 19975.8 | 21405.7 | 21727.5 | 21275.1 | 21088.8 | 20486.3 |
| 60° | 13416.4 | 13617.2 | 14766.5 | 16634.4 | 19187.0 | 21403.3 | 22663.9 | 22540.5 | 22385.7 | 21579.9 |
| 62.5° | 11190.4 | 11422.7 | 12528.4 | 14698.8 | 17807.9 | 20796.0 | 23249.4 | 23600.3 | 23520.4 | 22588.9 |
| 65° | 8594.2 | 8753.9 | 9854.8 | 12194.5 | 15661.7 | 19491.9 | 23317.2 | 24323.7 | 24338.2 | 23355.9 |
| 67.5° | 5722.2 | 6181.9 | 7137.7 | 9150.7 | 12787.3 | 17360.3 | 22722.0 | 24442.3 | 24582.6 | 23619.6 |
| 70° | 2792.2 | 3397.0 | 4333.4 | 5947.2 | 9150.7 | 14091.4 | 21166.2 | 23469.6 | 23781.7 | 22850.2 |
| 72.5° | 1159.0 | 1354.9 | 1865.5 | 2934.9 | 5252.8 | 9508.8 | 18040.1 | 20832.3 | 21410.6 | 20246.8 |
| 75° | 781.5 | 846.8 | 1067.0 | 1505.0 | 2392.9 | 4689.1 | 13009.9 | 15533.5 | 16465.0 | 15291.5 |
| 77.5° | 602.5 | 643.6 | 776.7 | 1052.5 | 1422.7 | 1773.5 | 6963.5 | 9361.2 | 9842.7 | 9112.0 |
| 80° | 474.2 | 505.7 | 580.7 | 767.0 | 1009.0 | 948.5 | 2373.6 | 4241.5 | 4519.7 | 3791.4 |
| 82.5° | 411.3 | 423.4 | 416.2 | 520.2 | 670.2 | 554.1 | 779.1 | 1565.4 | 1727.6 | 1253.3 |
| 85° | 297.6 | 331.5 | 346.0 | 321.8 | 355.7 | 280.7 | 319.4 | 554.1 | 609.7 | 544.4 |
| 87.5° | 121.0 | 179.0 | 220.2 | 208.1 | 130.7 | 79.8 | 99.2 | 162.1 | 186.3 | 203.2 |
| 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° |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 5107.7 | 0° | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 | 5107.7 |
| 5110.1 | 2.5° | 5112.5 | 5129.4 | 5141.5 | 5156.1 | 5165.7 | 5180.3 | 5209.3 | 5226.2 | 5228.6 | 5240.7 |
| 5148.8 | 5° | 5158.5 | 5182.7 | 5209.3 | 5248.0 | 5291.6 | 5327.8 | 5383.5 | 5422.2 | 5436.7 | 5448.8 |
| 5243.2 | 7.5° | 5257.7 | 5291.6 | 5339.9 | 5407.7 | 5470.6 | 5519.0 | 5586.7 | 5632.7 | 5678.7 | 5695.6 |
| 5393.2 | 10° | 5405.3 | 5453.7 | 5523.8 | 5615.8 | 5683.5 | 5746.4 | 5816.6 | 5855.3 | 5901.3 | 5920.6 |
| 5572.2 | 12.5° | 5589.2 | 5640.0 | 5731.9 | 5860.1 | 5923.1 | 5966.6 | 5990.8 | 5981.1 | 5990.8 | 6007.7 |
| 5787.6 | 15° | 5799.7 | 5855.3 | 5959.3 | 6097.3 | 6140.8 | 6102.1 | 6048.9 | 6000.5 | 5993.2 | 5998.1 |
| 6048.9 | 17.5° | 6048.9 | 6090.0 | 6211.0 | 6327.1 | 6295.7 | 6136.0 | 6019.8 | 5942.4 | 5903.7 | 5891.6 |
| 6382.8 | 20° | 6397.3 | 6397.3 | 6496.5 | 6569.1 | 6358.6 | 6087.6 | 5906.1 | 5780.3 | 5700.5 | 5666.6 |
| 6837.6 | 22.5° | 6820.7 | 6782.0 | 6844.9 | 6794.1 | 6346.5 | 5952.1 | 5700.5 | 5482.7 | 5361.7 | 5313.3 |
| 7474.0 | 25° | 7357.8 | 7311.9 | 7294.9 | 6980.4 | 6259.4 | 5736.7 | 5327.8 | 5064.1 | 4957.7 | 4931.0 |
| 8391.0 | 27.5° | 8168.4 | 8052.3 | 7832.1 | 7082.0 | 6099.7 | 5398.0 | 4892.3 | 4648.0 | 4587.5 | 4589.9 |
| 9569.3 | 30° | 9247.5 | 9015.2 | 8475.7 | 7099.0 | 5838.4 | 4918.9 | 4447.1 | 4272.9 | 4243.9 | 4256.0 |
| 10558.9 | 32.5° | 10246.8 | 10026.6 | 9133.8 | 7021.5 | 5436.7 | 4449.5 | 4047.9 | 3931.8 | 3888.2 | 3902.7 |
| 11313.8 | 35° | 11030.7 | 10970.2 | 9743.5 | 6912.6 | 4943.1 | 4009.2 | 3689.8 | 3590.6 | 3505.9 | 3486.6 |
| 12025.2 | 37.5° | 11771.1 | 11746.9 | 10200.8 | 6760.2 | 4454.4 | 3697.1 | 3401.9 | 3271.2 | 3147.8 | 3080.1 |
| 12811.5 | 40° | 12584.1 | 12559.9 | 10500.8 | 6525.5 | 4021.3 | 3426.1 | 3143.0 | 2971.2 | 2818.8 | 2695.4 |
| 13701.9 | 42.5° | 13498.7 | 13355.9 | 10643.6 | 6189.2 | 3653.5 | 3196.2 | 2932.5 | 2700.2 | 2499.4 | 2385.7 |
| 14708.4 | 45° | 14497.9 | 14176.1 | 10641.2 | 5760.9 | 3343.8 | 2985.7 | 2707.5 | 2378.4 | 2192.1 | 2085.6 |
| 15741.6 | 47.5° | 15557.7 | 14960.1 | 10510.5 | 5286.7 | 3043.8 | 2753.4 | 2359.1 | 2107.4 | 1984.0 | 1918.7 |
| 16864.2 | 50° | 16651.3 | 15693.2 | 10287.9 | 4742.3 | 2736.5 | 2489.7 | 2141.3 | 1969.5 | 1875.1 | 1814.7 |
| 17977.2 | 52.5° | 17679.6 | 16358.6 | 10019.3 | 4125.3 | 2424.4 | 2233.2 | 2044.5 | 1911.4 | 1812.2 | 1744.5 |
| 19056.4 | 55° | 18635.4 | 16932.0 | 9639.5 | 3493.8 | 2170.3 | 2061.5 | 1998.5 | 1887.2 | 1773.5 | 1693.7 |
| 20152.4 | 57.5° | 19484.6 | 17304.6 | 8983.8 | 2901.0 | 1988.9 | 1942.9 | 1950.2 | 1846.1 | 1715.5 | 1647.7 |
| 21231.5 | 60° | 20191.1 | 17578.0 | 8013.5 | 2351.8 | 1841.3 | 1826.8 | 1875.1 | 1768.7 | 1616.3 | 1538.8 |
| 22143.7 | 62.5° | 20614.5 | 17573.2 | 6823.1 | 1926.0 | 1715.5 | 1720.3 | 1775.9 | 1671.9 | 1517.1 | 1444.5 |
| 22620.3 | 65° | 20578.3 | 17142.5 | 5516.6 | 1647.7 | 1594.5 | 1599.3 | 1671.9 | 1565.4 | 1434.8 | 1391.2 |
| 22380.8 | 67.5° | 19850.0 | 16092.4 | 4231.8 | 1466.2 | 1461.4 | 1483.2 | 1567.9 | 1492.9 | 1384.0 | 1379.1 |
| 20953.3 | 70° | 17878.0 | 13912.4 | 3048.6 | 1321.1 | 1323.5 | 1354.9 | 1466.2 | 1446.9 | 1357.4 | 1367.0 |
| 17616.7 | 72.5° | 14335.8 | 10607.3 | 2046.9 | 1168.6 | 1171.1 | 1221.9 | 1369.5 | 1410.6 | 1330.8 | 1459.0 |
| 12499.4 | 75° | 9547.5 | 6615.0 | 1316.2 | 1006.5 | 1009.0 | 1074.3 | 1284.8 | 1340.4 | 1258.2 | 1454.1 |
| 6503.7 | 77.5° | 4587.5 | 2973.6 | 953.3 | 846.8 | 846.8 | 907.3 | 1110.6 | 1200.1 | 1071.9 | 1129.9 |
| 2090.5 | 80° | 1584.8 | 1117.8 | 750.1 | 682.3 | 667.8 | 708.9 | 936.4 | 1040.4 | 924.3 | 851.7 |
| 682.3 | 82.5° | 624.2 | 580.7 | 602.5 | 529.9 | 481.5 | 508.1 | 728.3 | 858.9 | 679.9 | 614.6 |
| 384.7 | 85° | 358.1 | 377.4 | 425.8 | 350.8 | 278.2 | 312.1 | 534.7 | 617.0 | 512.9 | 452.5 |
| 125.8 | 87.5° | 96.8 | 133.1 | 196.0 | 181.5 | 125.8 | 133.1 | 254.1 | 341.2 | 295.2 | 227.4 |
| 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° |
|--------|
| 5107.7 |
| 5238.3 |
| 5446.4 |
| 5698.0 |
| 5930.3 |
| 6012.6 |
| 6015.0 |
| 5908.5 |
| 5659.3 |
| 5306.1 |
| 4935.9 |
| 4597.1 |
| 4297.1 |
| 3922.1 |
| 3501.1 |
| 3082.5 |
| 2707.5 |
| 2392.9 |
| 2080.8 |
| 1904.2 |
| 1792.9 |
| 1715.5 |
| 1662.2 |
| 1604.2 |
| 1505.0 |
| 1422.7 |
| 1388.8 |
| 1386.4 |
| 1364.6 |
| 1478.3 |
| 1466.2 |
| 1035.6 |
| 798.5 |
| 612.1 |
| 462.1 |
| 234.7 |
| 0.0 |

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