

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: P851498

Luminaire Tested: **GLAN-SB9C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851498
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-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65937 lumens
Efficiency: N/A
Efficacy: 146.6 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

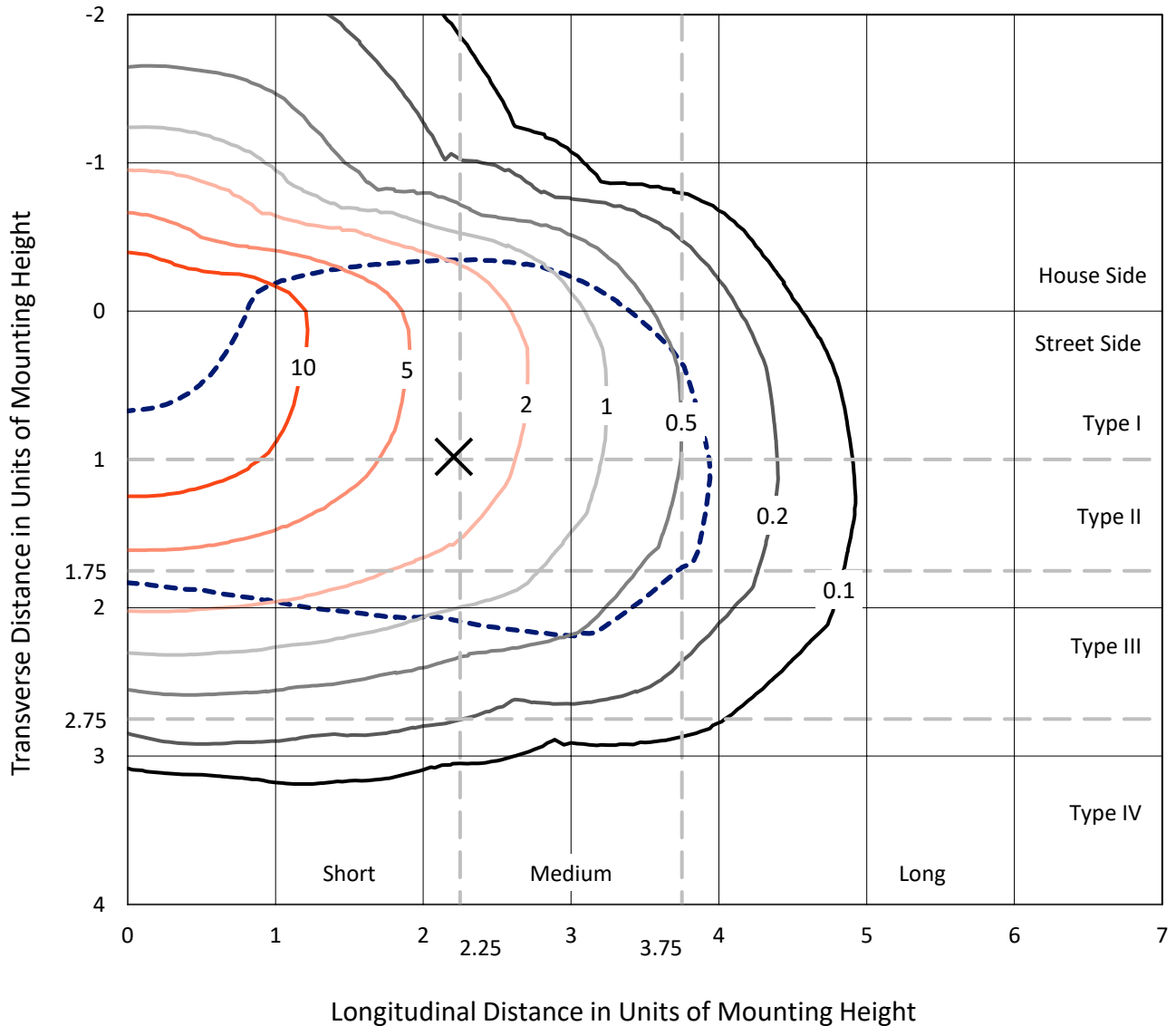
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

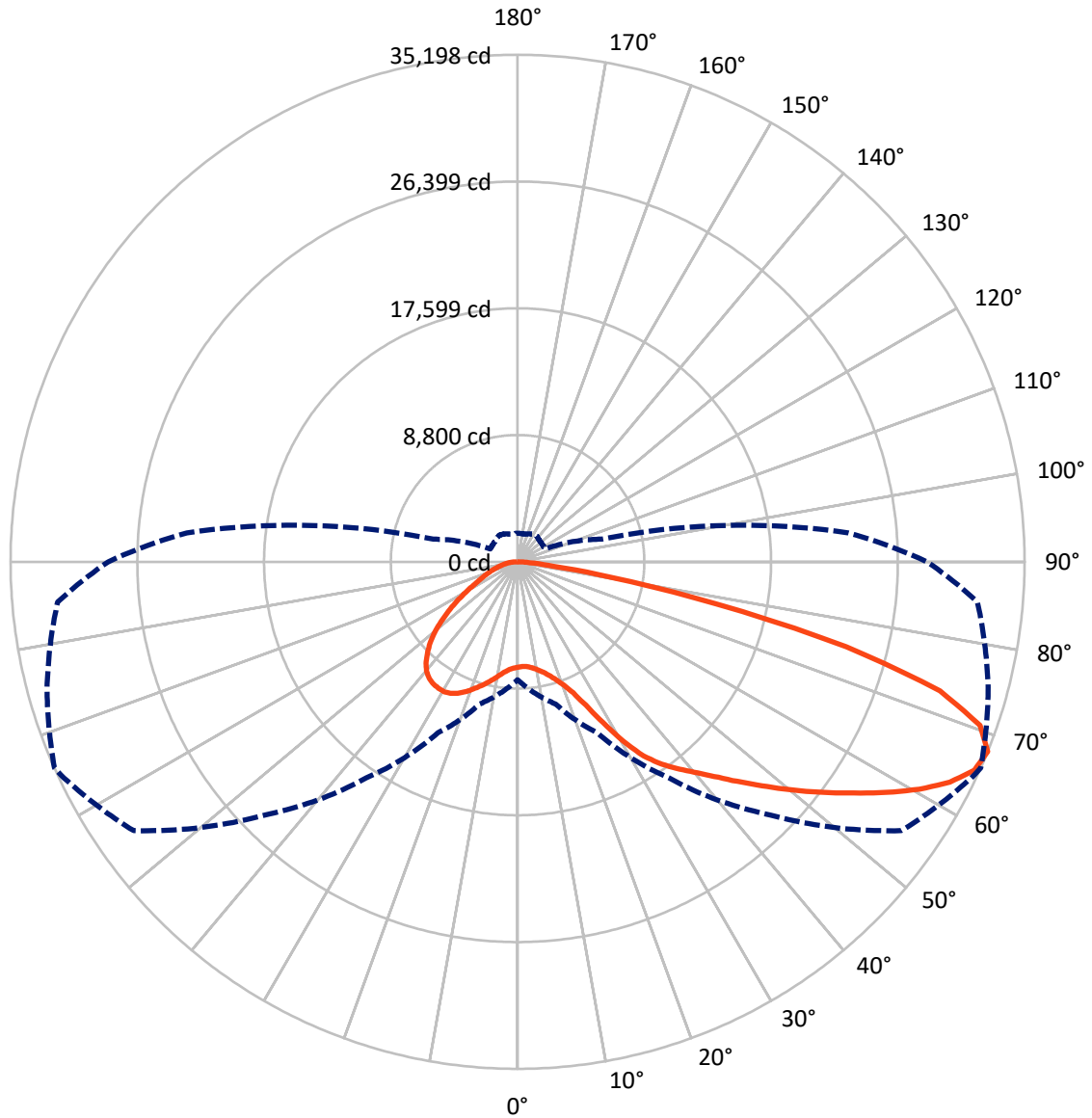
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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 | 16395.0 | 0.0 | 16395.0 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 49541.9 | 0.0 | 49541.9 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 65937.0 | 0.0 | 65937.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 725.1 | 1.1 |
| 10°-20° | 2395.6 | 3.6 |
| 20°-30° | 4617.3 | 7.0 |
| 30°-40° | 8095.9 | 12.3 |
| 40°-50° | 12036.0 | 18.3 |
| 50°-60° | 15256.8 | 23.1 |
| 60°-70° | 14928.3 | 22.6 |
| 70°-80° | 7121.0 | 10.8 |
| 80°-90° | 761.0 | 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° | 65937.0 | 100.0 |
| 0°-180° | 65937.0 | 100.0 |

Coefficient of Utilization



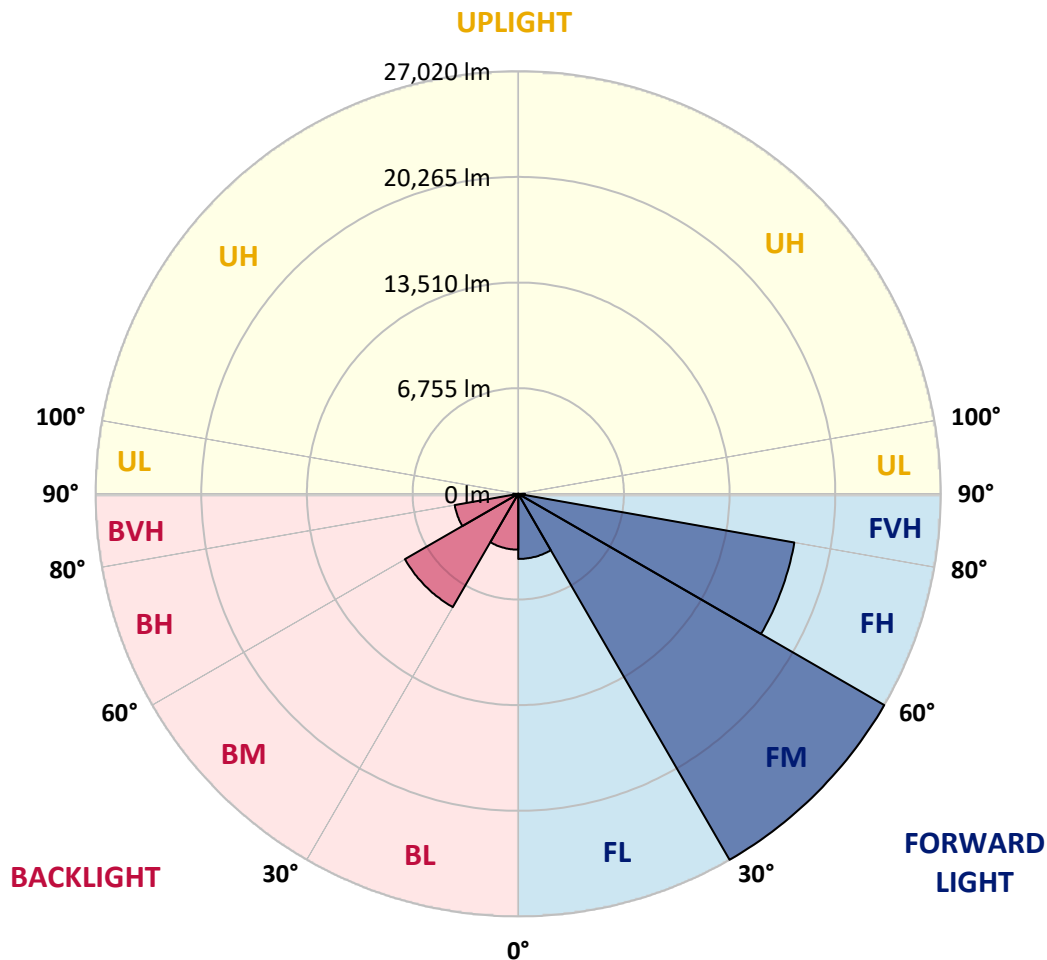
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4166.6 | 6.3 | | | |
| FM (30°-60°) | 27020.4 | 41.0 | | | |
| FH (60°-80°) | 17923.5 | 27.2 | | | G5 |
| FVH (80°-90°) | 431.5 | 0.7 | | | G3/500 |
| BL (0°-30°) | 3571.4 | 5.4 | B4/5000 | | |
| BM (30°-60°) | 8368.2 | 12.7 | B4/8500 | | |
| BH (60°-80°) | 4125.8 | 6.3 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 329.6 | 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° | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 |
| 2.5° | 7237.1 | 7278.6 | 7268.2 | 7250.9 | 7247.5 | 7254.4 | 7264.8 | 7275.2 | 7271.7 | 7289.0 |
| 5° | 7216.3 | 7257.9 | 7254.4 | 7254.4 | 7268.2 | 7296.0 | 7313.3 | 7330.6 | 7313.3 | 7334.1 |
| 7.5° | 7230.1 | 7261.3 | 7275.2 | 7289.0 | 7323.7 | 7375.6 | 7417.2 | 7455.3 | 7434.5 | 7458.8 |
| 10° | 7406.8 | 7431.1 | 7444.9 | 7444.9 | 7469.2 | 7528.1 | 7569.6 | 7638.9 | 7621.6 | 7659.7 |
| 12.5° | 7729.0 | 7753.3 | 7753.3 | 7739.4 | 7756.7 | 7794.8 | 7808.7 | 7884.9 | 7853.7 | 7916.1 |
| 15° | 8123.9 | 8172.4 | 8134.3 | 8110.1 | 8117.0 | 8155.1 | 8151.7 | 8210.6 | 8179.4 | 8231.3 |
| 17.5° | 8560.5 | 8622.8 | 8560.5 | 8557.0 | 8543.1 | 8584.7 | 8588.2 | 8640.1 | 8584.7 | 8622.8 |
| 20° | 9076.6 | 9163.3 | 9111.3 | 9128.6 | 9097.4 | 9114.8 | 9132.1 | 9208.3 | 9121.7 | 9149.4 |
| 22.5° | 9804.2 | 9908.1 | 9852.7 | 9918.5 | 9897.7 | 9883.8 | 9880.4 | 10015.5 | 9880.4 | 9890.8 |
| 25° | 10864.3 | 10989.0 | 10892.0 | 10982.1 | 10982.1 | 11027.1 | 11079.1 | 11252.3 | 11027.1 | 10961.3 |
| 27.5° | 12430.2 | 12554.9 | 12364.3 | 12419.8 | 12402.4 | 12513.3 | 12457.9 | 12887.5 | 12644.9 | 12537.6 |
| 30° | 14314.8 | 14536.5 | 14176.2 | 14162.3 | 14145.0 | 14321.7 | 14401.4 | 14685.5 | 14439.5 | 14332.1 |
| 32.5° | 16351.8 | 16583.9 | 16154.4 | 16029.6 | 15963.8 | 16071.2 | 16005.4 | 16234.0 | 16064.3 | 15898.0 |
| 35° | 18506.7 | 18735.3 | 18326.5 | 18084.0 | 17820.7 | 17595.5 | 17360.0 | 17418.9 | 17259.5 | 17006.6 |
| 37.5° | 20543.7 | 20962.9 | 20529.9 | 20270.0 | 19785.0 | 19345.0 | 18686.8 | 18413.1 | 18264.2 | 18032.0 |
| 40° | 22618.9 | 22857.9 | 22528.8 | 22307.1 | 21780.5 | 21091.1 | 20037.9 | 19459.4 | 19258.4 | 19033.2 |
| 42.5° | 24146.7 | 24375.3 | 24198.6 | 24046.2 | 23633.9 | 22833.7 | 21472.2 | 20748.1 | 20457.1 | 20204.2 |
| 45° | 25359.2 | 25528.9 | 25418.1 | 25473.5 | 25296.8 | 24520.8 | 22958.4 | 22130.4 | 21829.0 | 21520.7 |
| 47.5° | 25847.7 | 26027.8 | 26204.5 | 26533.6 | 26835.0 | 26263.4 | 24555.5 | 23627.0 | 23308.3 | 22993.0 |
| 50° | 25792.2 | 25975.8 | 26488.6 | 27188.4 | 28123.8 | 27933.2 | 26239.1 | 25220.6 | 24926.1 | 24565.8 |
| 52.5° | 25348.8 | 25556.7 | 26214.9 | 27378.9 | 28868.6 | 29183.9 | 27954.0 | 26866.2 | 26589.0 | 26159.5 |
| 55° | 24184.8 | 24309.5 | 25296.8 | 26945.9 | 29045.3 | 30056.9 | 29634.2 | 28619.2 | 28342.0 | 27742.7 |
| 57.5° | 22026.5 | 22206.6 | 23644.3 | 25778.4 | 28601.8 | 30649.3 | 31110.0 | 30462.2 | 30195.4 | 29332.8 |
| 60° | 19209.9 | 19497.5 | 21143.0 | 23817.5 | 27472.5 | 30645.8 | 32450.8 | 32274.1 | 32052.3 | 30898.7 |
| 62.5° | 16022.7 | 16355.3 | 17938.5 | 21046.0 | 25497.8 | 29776.3 | 33289.1 | 33791.5 | 33677.1 | 32343.4 |
| 65° | 12305.4 | 12534.1 | 14110.4 | 17460.4 | 22424.9 | 27909.0 | 33386.1 | 34827.3 | 34848.1 | 33441.6 |
| 67.5° | 8193.2 | 8851.5 | 10219.9 | 13102.2 | 18309.2 | 24856.9 | 32533.9 | 34997.1 | 35198.0 | 33819.2 |
| 70° | 3997.9 | 4864.0 | 6204.7 | 8515.4 | 13102.2 | 20176.5 | 30306.3 | 33604.4 | 34051.3 | 32717.5 |
| 72.5° | 1659.4 | 1940.0 | 2671.0 | 4202.3 | 7521.1 | 13615.0 | 25830.3 | 29828.2 | 30656.2 | 28989.8 |
| 75° | 1119.0 | 1212.5 | 1527.8 | 2154.8 | 3426.3 | 6713.9 | 18627.9 | 22241.3 | 23575.0 | 21894.8 |
| 77.5° | 862.6 | 921.5 | 1112.1 | 1507.0 | 2037.0 | 2539.4 | 9970.5 | 13403.6 | 14093.1 | 13046.8 |
| 80° | 679.0 | 724.1 | 831.4 | 1098.2 | 1444.6 | 1358.0 | 3398.5 | 6073.0 | 6471.4 | 5428.7 |
| 82.5° | 588.9 | 606.3 | 595.9 | 744.8 | 959.6 | 793.3 | 1115.5 | 2241.4 | 2473.6 | 1794.5 |
| 85° | 426.1 | 474.6 | 495.4 | 460.8 | 509.3 | 401.9 | 457.3 | 793.3 | 873.0 | 779.5 |
| 87.5° | 173.2 | 256.4 | 315.3 | 297.9 | 187.1 | 114.3 | 142.0 | 232.1 | 266.8 | 291.0 |
| 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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 CATALOG NUMBER: GLAN-SB9C-730-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 7313.3 | 0° | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 | 7313.3 |
| 7316.7 | 2.5° | 7320.2 | 7344.5 | 7361.8 | 7382.6 | 7396.4 | 7417.2 | 7458.8 | 7483.0 | 7486.5 | 7503.8 |
| 7372.2 | 5° | 7386.0 | 7420.7 | 7458.8 | 7514.2 | 7576.6 | 7628.5 | 7708.2 | 7763.7 | 7784.4 | 7801.8 |
| 7507.3 | 7.5° | 7528.1 | 7576.6 | 7645.9 | 7742.9 | 7832.9 | 7902.2 | 7999.2 | 8065.1 | 8130.9 | 8155.1 |
| 7722.1 | 10° | 7739.4 | 7808.7 | 7909.2 | 8040.8 | 8137.8 | 8227.9 | 8328.3 | 8383.8 | 8449.6 | 8477.3 |
| 7978.4 | 12.5° | 8002.7 | 8075.4 | 8207.1 | 8390.7 | 8480.8 | 8543.1 | 8577.8 | 8563.9 | 8577.8 | 8602.0 |
| 8286.8 | 15° | 8304.1 | 8383.8 | 8532.7 | 8730.2 | 8792.6 | 8737.1 | 8660.9 | 8591.6 | 8581.2 | 8588.2 |
| 8660.9 | 17.5° | 8660.9 | 8719.8 | 8893.0 | 9059.3 | 9014.3 | 8785.6 | 8619.4 | 8508.5 | 8453.1 | 8435.7 |
| 9139.0 | 20° | 9159.8 | 9159.8 | 9301.8 | 9405.8 | 9104.4 | 8716.4 | 8456.5 | 8276.4 | 8162.1 | 8113.6 |
| 9790.3 | 22.5° | 9766.1 | 9710.6 | 9800.7 | 9728.0 | 9087.0 | 8522.3 | 8162.1 | 7850.3 | 7677.0 | 7607.8 |
| 10701.4 | 25° | 10535.1 | 10469.3 | 10445.1 | 9994.7 | 8962.3 | 8214.0 | 7628.5 | 7250.9 | 7098.5 | 7060.4 |
| 12014.4 | 27.5° | 11695.7 | 11529.4 | 11214.2 | 10140.2 | 8733.7 | 7729.0 | 7005.0 | 6655.1 | 6568.4 | 6571.9 |
| 13701.6 | 30° | 13240.8 | 12908.2 | 12135.7 | 10164.5 | 8359.5 | 7043.1 | 6367.5 | 6118.1 | 6076.5 | 6093.8 |
| 15118.5 | 32.5° | 14671.6 | 14356.3 | 13078.0 | 10053.6 | 7784.4 | 6371.0 | 5795.9 | 5629.6 | 5567.2 | 5588.0 |
| 16199.4 | 35° | 15794.1 | 15707.5 | 13951.0 | 9897.7 | 7077.7 | 5740.5 | 5283.2 | 5141.1 | 5019.9 | 4992.2 |
| 17217.9 | 37.5° | 16854.2 | 16819.5 | 14605.8 | 9679.4 | 6377.9 | 5293.6 | 4870.9 | 4683.8 | 4507.1 | 4410.1 |
| 18343.8 | 40° | 18018.2 | 17983.5 | 15035.4 | 9343.4 | 5757.8 | 4905.5 | 4500.2 | 4254.2 | 4036.0 | 3859.3 |
| 19618.7 | 42.5° | 19327.7 | 19123.3 | 15239.8 | 8861.9 | 5231.2 | 4576.4 | 4198.8 | 3866.2 | 3578.7 | 3415.9 |
| 21059.9 | 45° | 20758.5 | 20297.7 | 15236.3 | 8248.7 | 4787.8 | 4275.0 | 3876.6 | 3405.5 | 3138.7 | 2986.3 |
| 22539.2 | 47.5° | 22275.9 | 21420.2 | 15049.2 | 7569.6 | 4358.2 | 3942.5 | 3377.8 | 3017.5 | 2840.8 | 2747.2 |
| 24146.7 | 50° | 23841.8 | 22469.9 | 14730.5 | 6790.2 | 3918.2 | 3564.8 | 3066.0 | 2820.0 | 2684.9 | 2598.3 |
| 25740.3 | 52.5° | 25314.2 | 23422.6 | 14346.0 | 5906.8 | 3471.3 | 3197.6 | 2927.4 | 2736.9 | 2594.8 | 2497.8 |
| 27285.4 | 55° | 26682.6 | 24243.7 | 13802.0 | 5002.6 | 3107.5 | 2951.6 | 2861.6 | 2702.2 | 2539.4 | 2425.1 |
| 28854.7 | 57.5° | 27898.6 | 24777.2 | 12863.2 | 4153.8 | 2847.7 | 2781.9 | 2792.3 | 2643.3 | 2456.2 | 2359.2 |
| 30399.8 | 60° | 28910.2 | 25168.6 | 11474.0 | 3367.4 | 2636.4 | 2615.6 | 2684.9 | 2532.5 | 2314.2 | 2203.3 |
| 31705.9 | 62.5° | 29516.4 | 25161.7 | 9769.5 | 2757.6 | 2456.2 | 2463.2 | 2542.8 | 2393.9 | 2172.2 | 2068.2 |
| 32388.4 | 65° | 29464.5 | 24545.1 | 7898.8 | 2359.2 | 2283.0 | 2289.9 | 2393.9 | 2241.4 | 2054.4 | 1992.0 |
| 32045.4 | 67.5° | 28421.7 | 23041.5 | 6059.2 | 2099.4 | 2092.5 | 2123.7 | 2244.9 | 2137.5 | 1981.6 | 1974.7 |
| 30001.4 | 70° | 25598.2 | 19920.1 | 4365.1 | 1891.5 | 1895.0 | 1940.0 | 2099.4 | 2071.7 | 1943.5 | 1957.4 |
| 25224.1 | 72.5° | 20526.4 | 15187.8 | 2930.9 | 1673.3 | 1676.8 | 1749.5 | 1960.8 | 2019.7 | 1905.4 | 2089.0 |
| 17896.9 | 75° | 13670.4 | 9471.6 | 1884.6 | 1441.2 | 1444.6 | 1538.2 | 1839.6 | 1919.3 | 1801.5 | 2082.1 |
| 9312.2 | 77.5° | 6568.4 | 4257.7 | 1365.0 | 1212.5 | 1212.5 | 1299.1 | 1590.1 | 1718.3 | 1534.7 | 1617.9 |
| 2993.2 | 80° | 2269.2 | 1600.5 | 1074.0 | 977.0 | 956.2 | 1015.1 | 1340.7 | 1489.7 | 1323.4 | 1219.5 |
| 977.0 | 82.5° | 893.8 | 831.4 | 862.6 | 758.7 | 689.4 | 727.5 | 1042.8 | 1229.9 | 973.5 | 879.9 |
| 550.8 | 85° | 512.7 | 540.4 | 609.7 | 502.3 | 398.4 | 446.9 | 765.6 | 883.4 | 734.4 | 647.8 |
| 180.1 | 87.5° | 138.6 | 190.5 | 280.6 | 259.8 | 180.1 | 190.5 | 363.8 | 488.5 | 422.7 | 325.7 |
| 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° |
|---------------|
| 7313.3 |
| 7500.4 |
| 7798.3 |
| 8158.6 |
| 8491.2 |
| 8609.0 |
| 8612.4 |
| 8460.0 |
| 8103.2 |
| 7597.4 |
| 7067.3 |
| 6582.3 |
| 6152.7 |
| 5615.7 |
| 5012.9 |
| 4413.6 |
| 3876.6 |
| 3426.3 |
| 2979.4 |
| 2726.5 |
| 2567.1 |
| 2456.2 |
| 2380.0 |
| 2296.9 |
| 2154.8 |
| 2037.0 |
| 1988.5 |
| <i>1985.1</i> |
| 1953.9 |
| 2116.7 |
| 2099.4 |
| 1482.8 |
| 1143.2 |
| 876.5 |
| 661.7 |
| 336.0 |
| 0.0 |

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