

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: P851515

Luminaire Tested: **GLAN-SB9C-740-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52699 lumens
Efficiency: N/A
Efficacy: 117.2 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

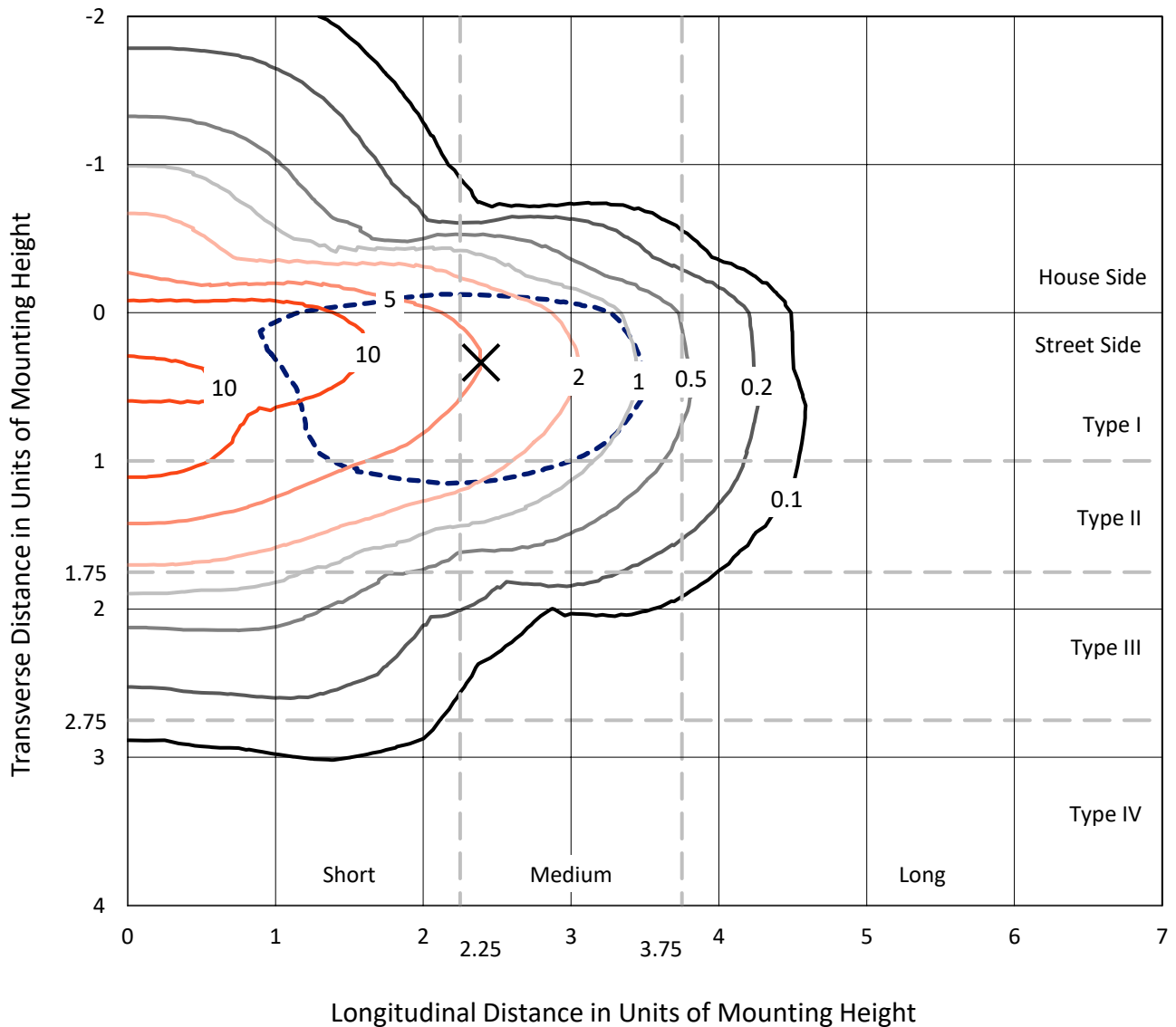
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

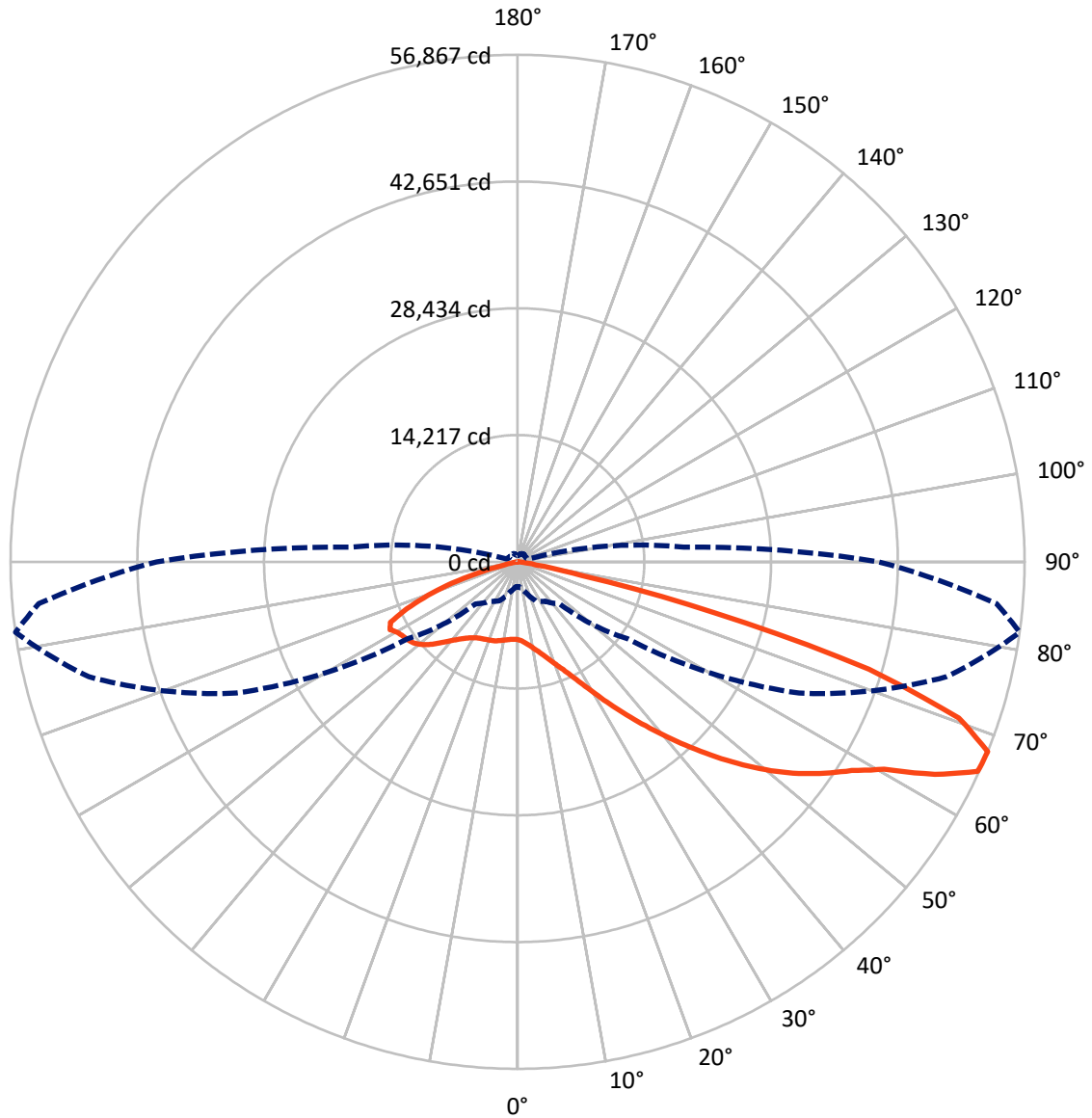
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9546.0 | 0.0 | 9546.0 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 43153.0 | 0.0 | 43153.0 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 52699.0 | 0.0 | 52699.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 777.8 | 1.5 |
| 10°-20° | 2021.2 | 3.8 |
| 20°-30° | 3237.4 | 6.1 |
| 30°-40° | 5724.7 | 10.9 |
| 40°-50° | 10030.2 | 19.0 |
| 50°-60° | 13377.4 | 25.4 |
| 60°-70° | 12453.7 | 23.6 |
| 70°-80° | 4779.7 | 9.1 |
| 80°-90° | 296.9 | 0.6 |
| 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° | 52699.0 | 100.0 |
| 0°-180° | 52699.0 | 100.0 |

Coefficient of Utilization

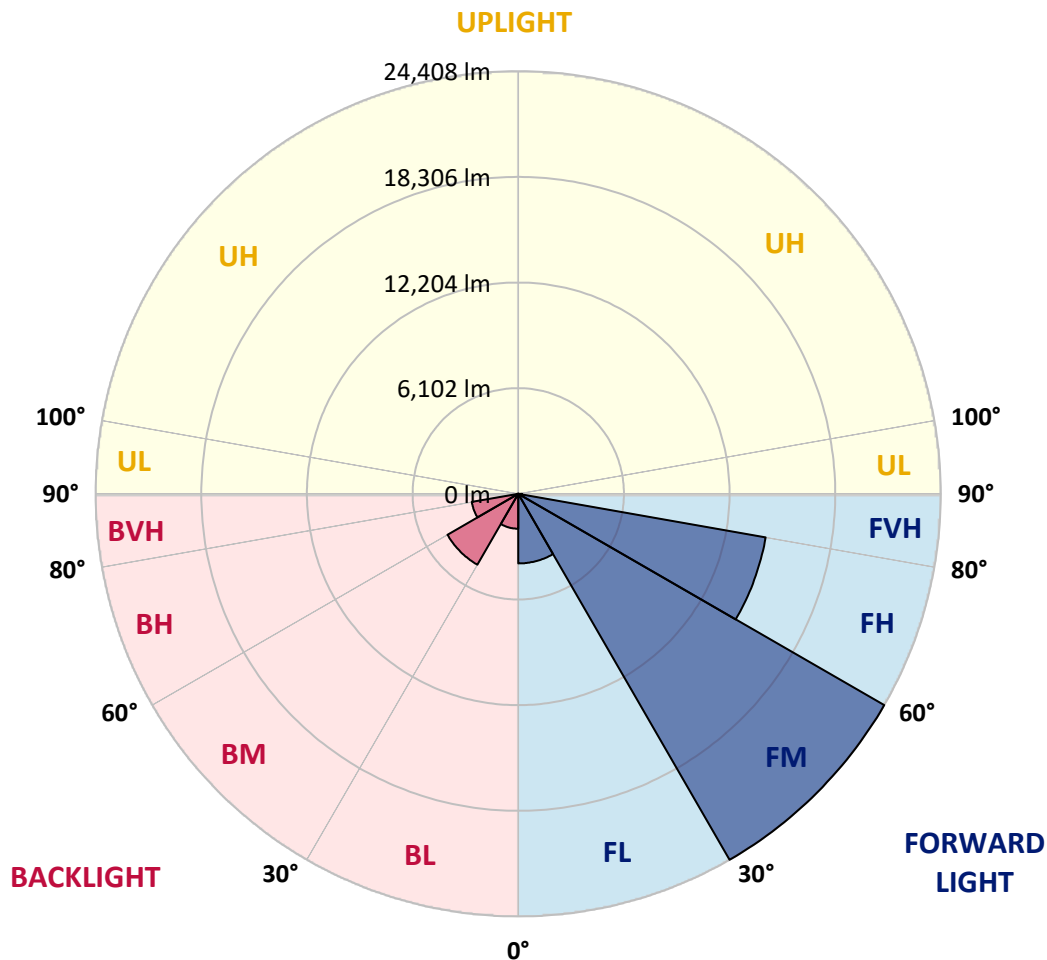


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4020.3 | 7.6 | | | |
| FM (30°-60°) | 24408.0 | 46.3 | | | |
| FH (60°-80°) | 14508.8 | 27.5 | | | G5 |
| FVH (80°-90°) | 215.8 | 0.4 | | | G2/225 |
| BL (0°-30°) | 2016.1 | 3.8 | B3/2500 | | |
| BM (30°-60°) | 4724.3 | 9.0 | B3/5000 | | |
| BH (60°-80°) | 2724.6 | 5.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 81.0 | 0.2 | | | G1/100 |
| 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° | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 |
| 2.5° | 9227.5 | 9280.6 | 9250.2 | 9235.1 | 9208.5 | 9170.6 | 9140.2 | 9045.4 | 8946.7 | 8882.2 |
| 5° | 9413.4 | 9466.5 | 9462.7 | 9477.9 | 9496.9 | 9508.3 | 9500.7 | 9394.4 | 9254.0 | 9144.0 |
| 7.5° | 9254.0 | 9314.7 | 9364.1 | 9440.0 | 9572.8 | 9713.1 | 9781.4 | 9758.7 | 9614.5 | 9462.7 |
| 10° | 8802.5 | 8867.0 | 8984.7 | 9163.0 | 9443.7 | 9747.3 | 10001.5 | 10119.1 | 10028.1 | 9861.1 |
| 12.5° | 7975.4 | 8039.9 | 8271.3 | 8658.4 | 9128.8 | 9656.2 | 10141.9 | 10456.8 | 10479.6 | 10312.6 |
| 15° | 7045.8 | 7110.3 | 7356.9 | 7842.6 | 8559.7 | 9405.8 | 10217.8 | 10813.5 | 11014.5 | 10870.4 |
| 17.5° | 6469.1 | 6526.0 | 6711.9 | 7102.7 | 7850.2 | 8905.0 | 10191.2 | 11192.9 | 11652.0 | 11538.1 |
| 20° | 6294.6 | 6343.9 | 6431.2 | 6704.3 | 7326.6 | 8385.2 | 10016.7 | 11549.5 | 12338.7 | 12274.2 |
| 22.5° | 6480.5 | 6526.0 | 6552.6 | 6674.0 | 7064.8 | 8043.7 | 9796.6 | 11913.8 | 13135.5 | 13143.1 |
| 25° | 6909.2 | 6954.8 | 6924.4 | 7000.3 | 7171.0 | 7937.5 | 9713.1 | 12342.5 | 14137.2 | 14220.6 |
| 27.5° | 7614.9 | 7618.7 | 7546.7 | 7542.9 | 7569.4 | 8096.8 | 9800.4 | 12801.6 | 15400.6 | 15556.2 |
| 30° | 9030.2 | 8973.3 | 8696.3 | 8396.6 | 8260.0 | 8574.9 | 10043.2 | 13344.2 | 16891.8 | 17168.7 |
| 32.5° | 11211.8 | 11128.4 | 10619.9 | 9902.8 | 9182.0 | 9345.1 | 10479.6 | 13962.6 | 18515.7 | 19016.5 |
| 35° | 13579.4 | 13556.7 | 13025.5 | 11959.3 | 10699.6 | 10441.6 | 11189.1 | 14774.6 | 20287.6 | 21084.3 |
| 37.5° | 15780.1 | 15768.7 | 15465.1 | 14209.3 | 12676.4 | 11970.7 | 12327.3 | 15837.0 | 22184.7 | 23338.1 |
| 40° | 17791.0 | 17825.1 | 17521.6 | 16398.5 | 14854.3 | 13932.3 | 13875.4 | 17149.8 | 24294.2 | 25792.9 |
| 42.5° | 19528.7 | 19566.7 | 19259.3 | 18428.4 | 17005.6 | 16102.6 | 15776.3 | 18758.5 | 26354.5 | 28429.9 |
| 45° | 20708.7 | 20944.0 | 20898.4 | 20234.4 | 19213.8 | 18276.6 | 18060.4 | 20777.0 | 28703.1 | 31226.2 |
| 47.5° | 21042.6 | 21258.9 | 21600.3 | 21691.4 | 21069.2 | 20147.2 | 20405.2 | 23209.1 | 31078.2 | 34026.3 |
| 50° | 20219.3 | 20420.4 | 21129.9 | 22074.6 | 22507.2 | 22222.6 | 22685.5 | 25815.7 | 33510.3 | 36818.9 |
| 52.5° | 18595.3 | 18800.2 | 19695.7 | 21190.6 | 22954.9 | 23850.3 | 24973.4 | 28384.4 | 35866.5 | 39463.4 |
| 55° | 16246.7 | 16463.0 | 17612.6 | 19304.9 | 22101.2 | 24521.9 | 26881.9 | 30949.2 | 38025.4 | 41842.4 |
| 57.5° | 13052.0 | 13211.4 | 14406.6 | 16774.1 | 19953.7 | 23854.1 | 28289.5 | 33749.4 | 40059.1 | 44179.6 |
| 60° | 8506.6 | 8647.0 | 10035.6 | 12676.4 | 16394.7 | 21623.1 | 28570.3 | 36872.0 | 42760.6 | 47218.7 |
| 62.5° | 5657.1 | 5752.0 | 6575.3 | 8514.2 | 11545.7 | 17339.5 | 26927.4 | 39364.8 | 46721.7 | 52507.9 |
| 65° | 3881.5 | 3976.3 | 4799.7 | 6150.4 | 7459.4 | 11469.8 | 22203.6 | 39034.7 | 50311.0 | 56708.0 |
| 67.5° | 2769.8 | 2849.4 | 3547.6 | 4822.4 | 5399.1 | 6662.6 | 15051.6 | 34815.5 | 49795.0 | 56867.4 |
| 70° | 1984.4 | 2029.9 | 2606.6 | 3756.3 | 4291.2 | 4002.9 | 8370.0 | 26627.7 | 43599.1 | 52511.6 |
| 72.5° | 1388.7 | 1403.9 | 1809.8 | 2860.8 | 3456.5 | 2921.5 | 3983.9 | 17753.0 | 32975.3 | 41216.3 |
| 75° | 941.0 | 959.9 | 1217.9 | 2098.2 | 2773.6 | 2231.0 | 2109.6 | 9519.6 | 19358.0 | 22814.5 |
| 77.5° | 576.7 | 584.3 | 785.4 | 1434.2 | 2075.4 | 1699.8 | 1358.3 | 4033.2 | 7489.7 | 7353.1 |
| 80° | 326.3 | 326.3 | 500.8 | 891.6 | 1415.2 | 1096.5 | 952.3 | 1715.0 | 2371.4 | 2083.0 |
| 82.5° | 182.1 | 185.9 | 364.2 | 554.0 | 937.2 | 648.8 | 523.6 | 793.0 | 1024.4 | 906.8 |
| 85° | 75.9 | 83.5 | 223.9 | 261.8 | 447.7 | 322.5 | 212.5 | 333.9 | 379.4 | 337.7 |
| 87.5° | 7.6 | 11.4 | 68.3 | 49.3 | 53.1 | 64.5 | 30.4 | 64.5 | 53.1 | 53.1 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8730.4 | 0° | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 | 8730.4 |
| 8859.4 | 2.5° | 8787.4 | 8730.4 | 8586.3 | 8419.3 | 8199.3 | 8093.0 | 7948.8 | 7850.2 | 7766.7 | 7774.3 |
| 9079.5 | 5° | 8958.1 | 8813.9 | 8491.4 | 8089.2 | 7588.4 | 7231.7 | 6852.3 | 6590.5 | 6378.0 | 6332.5 |
| 9383.0 | 7.5° | 9193.3 | 8965.7 | 8400.3 | 7675.7 | 6829.5 | 6188.3 | 5615.4 | 5247.4 | 4985.6 | 4902.1 |
| 9751.1 | 10° | 9496.9 | 9166.8 | 8282.7 | 7155.9 | 5937.9 | 5122.2 | 4507.5 | 4219.1 | 4040.8 | 3980.1 |
| 10183.6 | 12.5° | 9849.7 | 9398.2 | 8127.2 | 6522.2 | 5019.7 | 4234.3 | 3843.5 | 3699.3 | 3642.4 | 3623.5 |
| 10714.8 | 15° | 10293.6 | 9686.6 | 7891.9 | 5771.0 | 4241.9 | 3691.8 | 3524.8 | 3505.8 | 3513.4 | 3505.8 |
| 11352.2 | 17.5° | 10821.0 | 10001.5 | 7508.7 | 4997.0 | 3718.3 | 3414.8 | 3354.1 | 3369.2 | 3388.2 | 3384.4 |
| 12065.5 | 20° | 11397.8 | 10312.6 | 7019.3 | 4310.2 | 3361.7 | 3217.5 | 3183.3 | 3198.5 | 3213.7 | 3206.1 |
| 12888.9 | 22.5° | 12054.2 | 10646.5 | 6476.7 | 3775.2 | 3122.6 | 3035.4 | 2997.4 | 3001.2 | 3001.2 | 2986.0 |
| 13932.3 | 25° | 12839.6 | 11014.5 | 5907.6 | 3395.8 | 2940.5 | 2872.2 | 2826.7 | 2811.5 | 2788.7 | 2743.2 |
| 15199.5 | 27.5° | 13776.7 | 11405.3 | 5361.2 | 3130.2 | 2796.3 | 2731.8 | 2678.7 | 2640.8 | 2583.8 | 2508.0 |
| 16721.0 | 30° | 14831.5 | 11879.6 | 4898.3 | 2963.3 | 2682.5 | 2618.0 | 2557.3 | 2500.4 | 2416.9 | 2322.0 |
| 18470.1 | 32.5° | 16072.2 | 12388.0 | 4560.6 | 2853.2 | 2580.1 | 2511.8 | 2439.7 | 2371.4 | 2280.3 | 2185.5 |
| 20435.5 | 35° | 17551.9 | 13002.7 | 4363.3 | 2777.4 | 2500.4 | 2409.3 | 2329.6 | 2253.8 | 2185.5 | 2102.0 |
| 22571.7 | 37.5° | 19156.9 | 13655.3 | 4302.6 | 2739.4 | 2447.3 | 2306.9 | 2215.8 | 2162.7 | 2155.1 | 2105.8 |
| 24882.3 | 40° | 20913.6 | 14429.3 | 4348.1 | 2716.6 | 2390.3 | 2208.2 | 2109.6 | 2098.2 | 2117.2 | 2029.9 |
| 27352.3 | 42.5° | 22772.8 | 15347.5 | 4424.0 | 2690.1 | 2310.7 | 2109.6 | 2014.7 | 2014.7 | 1999.5 | 1878.1 |
| 29962.8 | 45° | 24783.7 | 16406.1 | 4499.9 | 2625.6 | 2215.8 | 2010.9 | 1938.8 | 1912.3 | 1847.8 | 1730.2 |
| 32588.3 | 47.5° | 26809.8 | 17483.6 | 4556.8 | 2508.0 | 2102.0 | 1927.5 | 1862.9 | 1802.2 | 1707.4 | 1601.1 |
| 35164.6 | 50° | 28733.4 | 18451.2 | 4496.1 | 2333.4 | 1973.0 | 1847.8 | 1779.5 | 1696.0 | 1593.6 | 1521.5 |
| 37604.3 | 52.5° | 30452.2 | 19289.7 | 4238.1 | 2128.5 | 1836.4 | 1764.3 | 1703.6 | 1616.3 | 1532.9 | 1457.0 |
| 39804.9 | 55° | 31947.1 | 19968.8 | 3782.8 | 1935.0 | 1715.0 | 1692.2 | 1631.5 | 1521.5 | 1407.6 | 1343.1 |
| 41986.6 | 57.5° | 33381.3 | 20484.9 | 3213.7 | 1775.7 | 1604.9 | 1612.5 | 1521.5 | 1422.8 | 1316.6 | 1248.3 |
| 44927.1 | 60° | 35289.8 | 21175.4 | 2637.0 | 1627.7 | 1487.3 | 1510.1 | 1411.4 | 1339.4 | 1206.6 | 1119.3 |
| 49969.5 | 62.5° | 38340.3 | 22249.2 | 2094.4 | 1445.6 | 1350.7 | 1358.3 | 1316.6 | 1229.3 | 1070.0 | 967.5 |
| 53706.8 | 65° | 40761.0 | 21854.6 | 1650.5 | 1248.3 | 1195.2 | 1206.6 | 1206.6 | 1111.7 | 941.0 | 823.3 |
| 53907.9 | 67.5° | 40487.8 | 18713.0 | 1316.6 | 1054.8 | 1047.2 | 1054.8 | 1081.3 | 1001.7 | 834.7 | 739.9 |
| 49802.6 | 70° | 37296.9 | 14884.6 | 1054.8 | 876.5 | 910.6 | 891.6 | 967.5 | 914.4 | 751.3 | 656.4 |
| 38609.7 | 72.5° | 30433.2 | 10722.4 | 804.4 | 724.7 | 698.1 | 728.5 | 872.7 | 823.3 | 626.0 | 519.8 |
| 20450.7 | 75° | 17783.4 | 5721.6 | 599.5 | 572.9 | 504.6 | 607.1 | 774.0 | 701.9 | 478.1 | 383.2 |
| 6268.0 | 77.5° | 5789.9 | 1995.7 | 440.1 | 421.2 | 375.6 | 489.5 | 660.2 | 591.9 | 390.8 | 303.5 |
| 1836.4 | 80° | 1551.8 | 603.3 | 299.7 | 277.0 | 242.8 | 364.2 | 523.6 | 470.5 | 280.8 | 197.3 |
| 789.2 | 82.5° | 622.2 | 254.2 | 174.5 | 155.6 | 132.8 | 250.4 | 413.6 | 379.4 | 208.7 | 125.2 |
| 246.6 | 85° | 201.1 | 83.5 | 64.5 | 49.3 | 60.7 | 155.6 | 246.6 | 258.0 | 148.0 | 64.5 |
| 37.9 | 87.5° | 26.6 | 11.4 | 11.4 | 15.2 | 11.4 | 26.6 | 75.9 | 72.1 | 41.7 | 7.6 |
| 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° |
|--------|
| 8730.4 |
| 7698.4 |
| 6230.1 |
| 4818.6 |
| 3934.6 |
| 3612.1 |
| 3502.0 |
| 3376.8 |
| 3202.3 |
| 2978.4 |
| 2735.6 |
| 2500.4 |
| 2314.5 |
| 2189.3 |
| 2094.4 |
| 2102.0 |
| 2033.7 |
| 1878.1 |
| 1726.4 |
| 1597.4 |
| 1510.1 |
| 1449.4 |
| 1335.6 |
| 1240.7 |
| 1107.9 |
| 959.9 |
| 812.0 |
| 724.7 |
| 645.0 |
| 508.4 |
| 371.8 |
| 292.2 |
| 193.5 |
| 125.2 |
| 49.3 |
| 0.0 |
| 0.0 |

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