

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: P956911

Luminaire Tested: **GLAN-SB9B-935-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-935-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35464 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

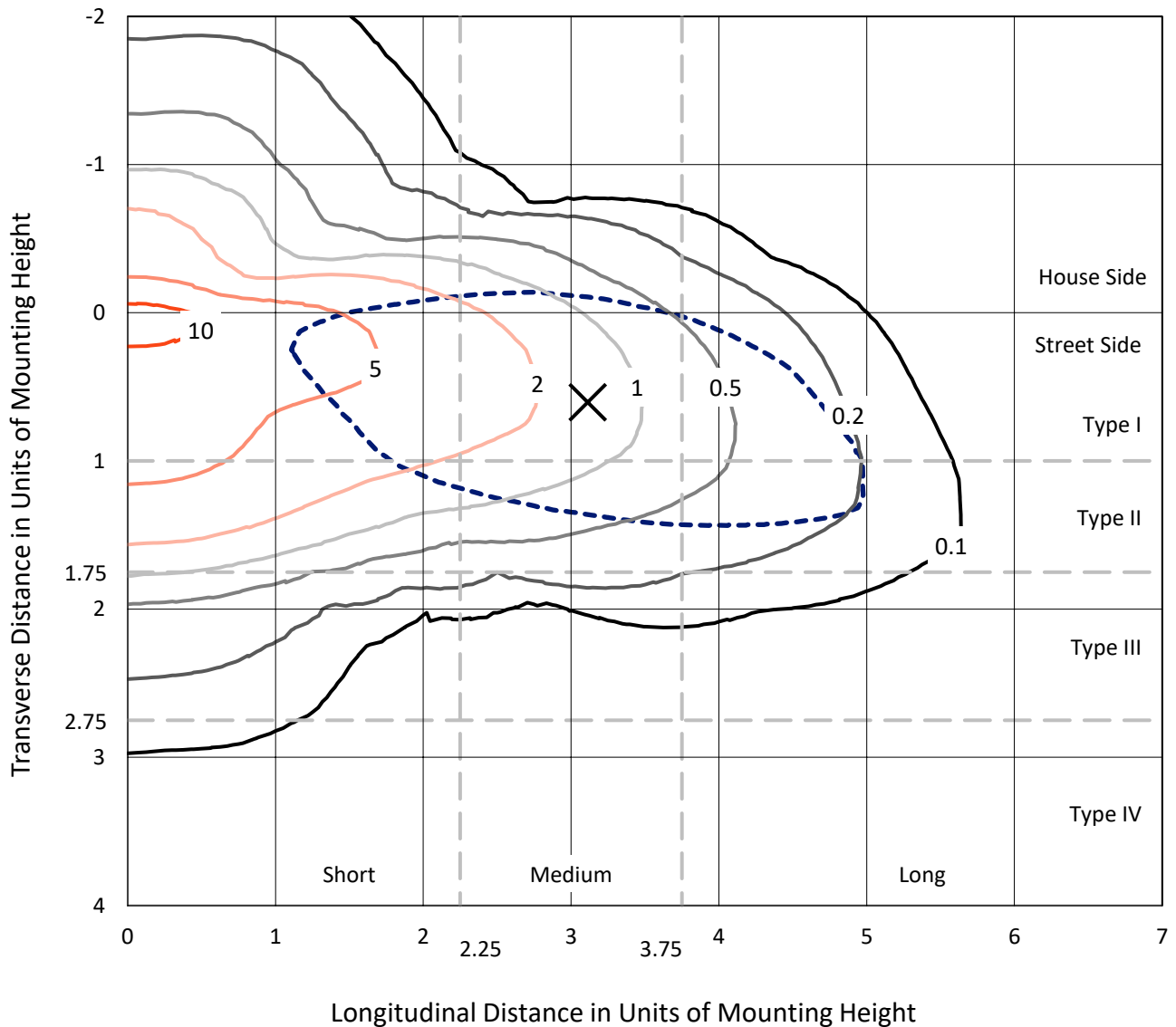
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

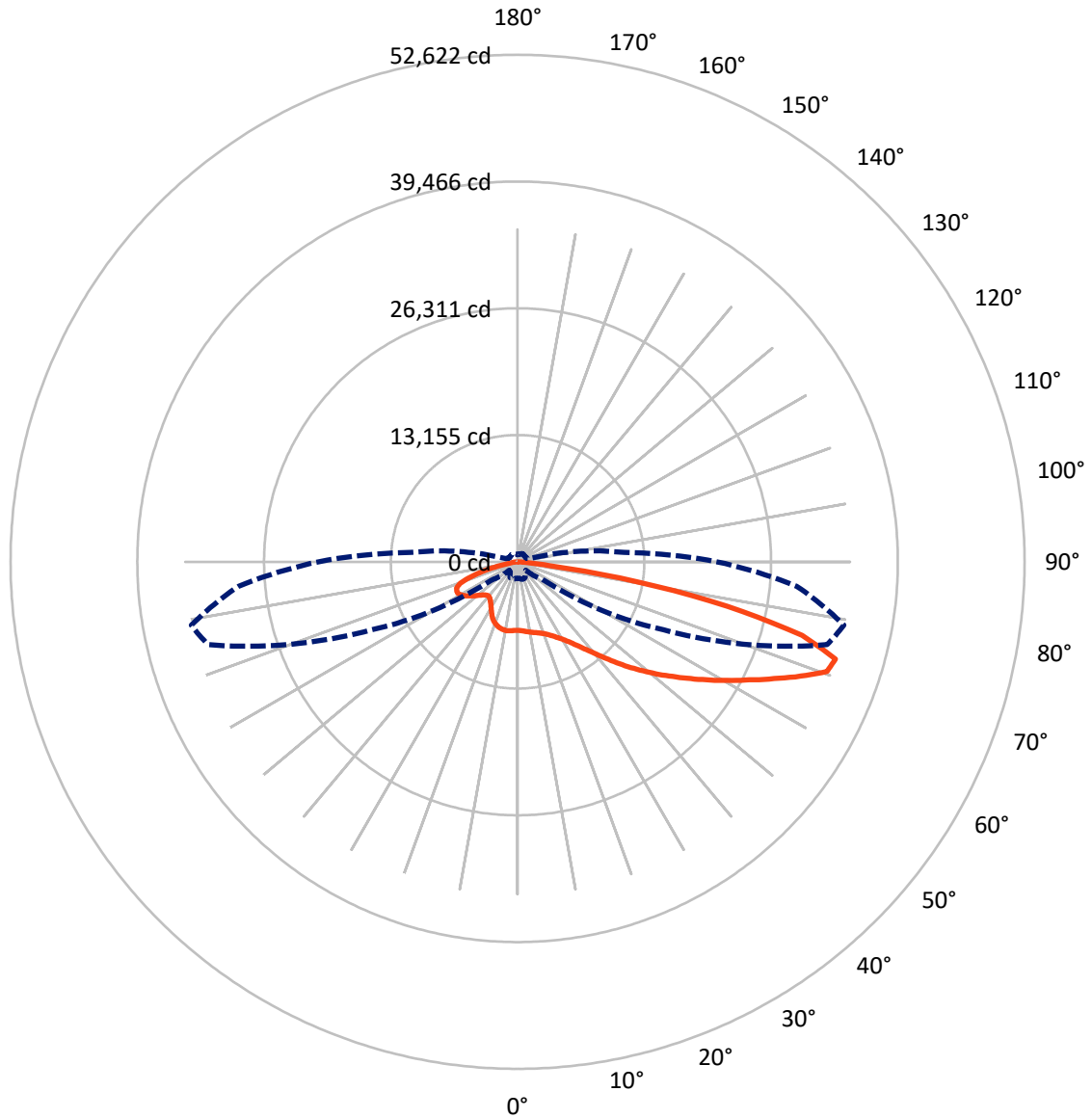
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7804.0 | 0.0 | 7804.0 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 27660.0 | 0.0 | 27660.0 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 35464.0 | 0.0 | 35464.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 646.2 | 1.8 |
| 10°-20° | 1689.5 | 4.8 |
| 20°-30° | 2726.2 | 7.7 |
| 30°-40° | 4091.6 | 11.5 |
| 40°-50° | 5804.2 | 16.4 |
| 50°-60° | 7329.9 | 20.7 |
| 60°-70° | 7444.5 | 21.0 |
| 70°-80° | 5073.7 | 14.3 |
| 80°-90° | 658.3 | 1.9 |
| 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° | 35464.0 | 100.0 |
| 0°-180° | 35464.0 | 100.0 |

Coefficient of Utilization

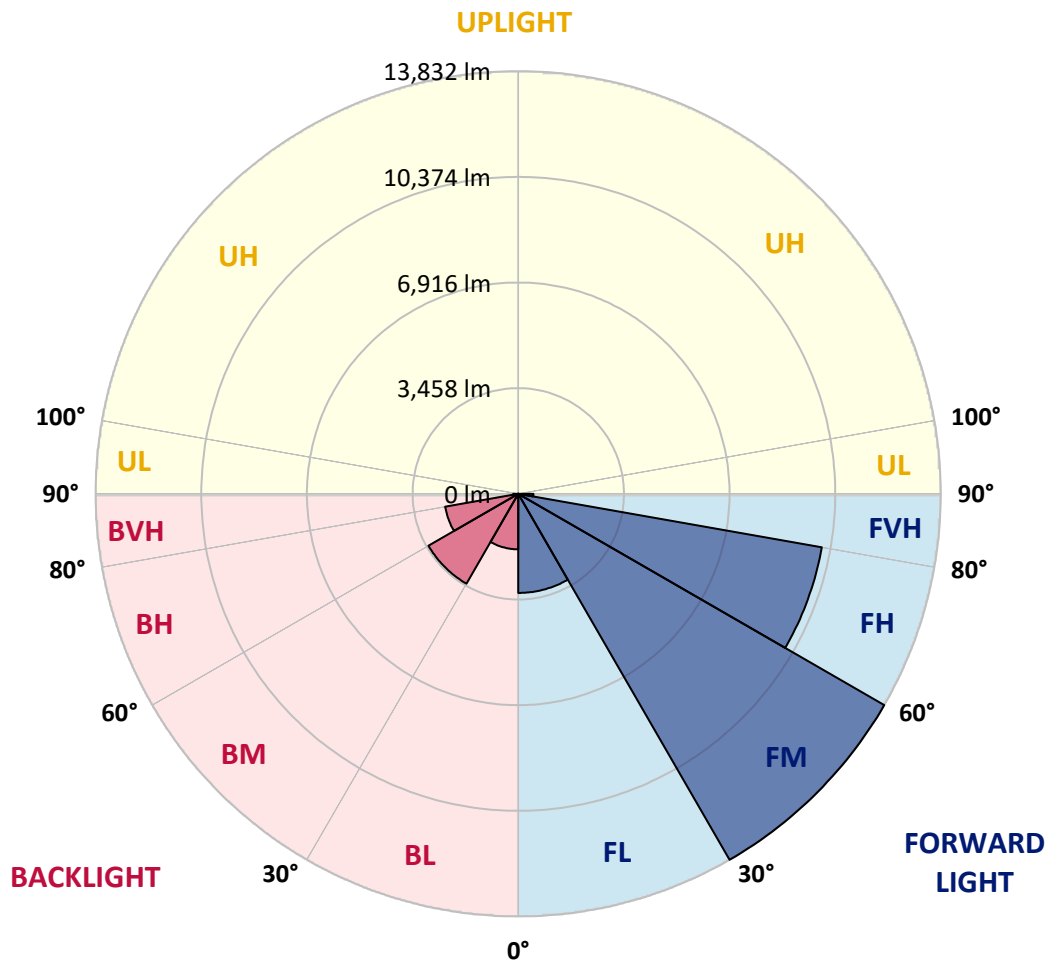


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3244.1 | 9.1 | | | |
| FM (30°-60°) | 13831.7 | 39.0 | | | |
| FH (60°-80°) | 10088.3 | 28.4 | | | G4/12000 |
| FVH (80°-90°) | 495.9 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1817.8 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 3393.9 | 9.6 | B3/5000 | | |
| BH (60°-80°) | 2429.9 | 6.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 162.4 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 |
| 2.5° | 7122.8 | 7089.0 | 7109.7 | 7102.2 | 7111.6 | 7122.8 | 7126.6 | 7132.2 | 7151.0 | 7149.1 |
| 5° | 7107.8 | 7074.0 | 7102.2 | 7092.8 | 7117.2 | 7143.4 | 7166.0 | 7186.6 | 7216.6 | 7229.7 |
| 7.5° | 7075.9 | 7053.4 | 7081.5 | 7109.7 | 7154.7 | 7194.1 | 7226.0 | 7272.9 | 7316.0 | 7323.5 |
| 10° | 6890.2 | 6873.3 | 6939.0 | 7012.1 | 7135.9 | 7242.9 | 7312.3 | 7366.7 | 7413.6 | 7421.1 |
| 12.5° | 6697.0 | 6676.3 | 6749.5 | 6848.9 | 7049.7 | 7242.9 | 7389.2 | 7460.5 | 7501.7 | 7526.1 |
| 15° | 6665.1 | 6648.2 | 6689.5 | 6775.8 | 6942.7 | 7192.2 | 7441.7 | 7573.0 | 7608.7 | 7636.8 |
| 17.5° | 6818.9 | 6787.0 | 6803.9 | 6833.9 | 6931.5 | 7145.3 | 7483.0 | 7700.6 | 7755.0 | 7785.0 |
| 20° | 7175.3 | 7130.3 | 7104.1 | 7044.0 | 7027.1 | 7152.8 | 7479.2 | 7854.4 | 7925.7 | 7963.2 |
| 22.5° | 7649.9 | 7619.9 | 7563.7 | 7411.7 | 7246.6 | 7244.7 | 7550.5 | 8051.4 | 8184.6 | 8220.2 |
| 25° | 8224.0 | 8178.9 | 8107.7 | 7901.3 | 7584.3 | 7426.7 | 7670.6 | 8302.8 | 8526.0 | 8535.4 |
| 27.5° | 8884.3 | 8816.8 | 8719.2 | 8447.2 | 8019.5 | 7711.8 | 7854.4 | 8591.6 | 8918.1 | 8914.3 |
| 30° | 9580.2 | 9512.7 | 9409.5 | 9079.4 | 8541.0 | 8096.4 | 8109.5 | 8903.0 | 9383.3 | 9362.6 |
| 32.5° | 10088.6 | 10038.0 | 10017.3 | 9762.2 | 9141.3 | 8550.4 | 8402.2 | 9248.2 | 9957.3 | 9938.5 |
| 35° | 10478.8 | 10413.2 | 10437.5 | 10308.1 | 9796.0 | 9058.7 | 8760.5 | 9659.0 | 10655.1 | 10653.3 |
| 37.5° | 10865.2 | 10807.1 | 10827.7 | 10741.4 | 10401.9 | 9704.1 | 9197.6 | 10161.8 | 11519.9 | 11561.2 |
| 40° | 11217.9 | 11156.0 | 11238.5 | 11157.9 | 10872.7 | 10390.6 | 9694.7 | 10730.2 | 12521.7 | 12600.5 |
| 42.5° | 11429.9 | 11381.1 | 11518.1 | 11519.9 | 11281.7 | 10970.3 | 10240.6 | 11356.7 | 13681.0 | 13857.3 |
| 45° | 11503.1 | 11486.2 | 11692.5 | 11735.7 | 11643.7 | 11306.1 | 10732.1 | 12039.6 | 14930.3 | 15245.5 |
| 47.5° | 11424.3 | 11392.4 | 11677.5 | 11837.0 | 11910.1 | 11463.7 | 11139.1 | 12778.7 | 16205.9 | 16667.4 |
| 50° | 11026.6 | 10964.7 | 11388.6 | 11724.4 | 11985.2 | 11566.8 | 11549.9 | 13632.2 | 17656.0 | 18160.6 |
| 52.5° | 10311.9 | 10265.0 | 10747.1 | 11330.5 | 11820.1 | 11617.5 | 12011.4 | 14564.5 | 19032.9 | 19685.8 |
| 55° | 9398.3 | 9336.4 | 9867.3 | 10628.9 | 11409.3 | 11600.6 | 12472.9 | 15607.5 | 20657.5 | 21319.7 |
| 57.5° | 7950.1 | 7826.3 | 8497.9 | 9398.3 | 10739.6 | 11580.0 | 12953.1 | 16644.9 | 22308.3 | 23101.8 |
| 60° | 5837.8 | 5654.0 | 6477.5 | 7544.9 | 9430.2 | 11379.2 | 13547.8 | 17808.0 | 24289.2 | 25003.9 |
| 62.5° | 3399.1 | 3292.2 | 3830.6 | 4826.7 | 7107.8 | 10197.4 | 13881.7 | 19160.5 | 26236.4 | 26986.8 |
| 65° | 2639.4 | 2609.4 | 2656.3 | 2733.2 | 3956.3 | 7634.9 | 12851.8 | 20479.3 | 28712.6 | 29237.9 |
| 67.5° | 2414.3 | 2391.8 | 2412.4 | 2268.0 | 2007.2 | 4252.7 | 10167.4 | 20813.2 | 31365.1 | 31684.0 |
| 70° | 2146.0 | 2119.8 | 2187.3 | 2063.5 | 1579.5 | 1934.1 | 6569.4 | 19601.3 | 33475.5 | 34073.9 |
| 72.5° | 1748.3 | 1718.3 | 1875.9 | 1819.6 | 1330.0 | 1241.8 | 3299.7 | 16721.8 | 33254.2 | 34496.0 |
| 75° | 1343.1 | 1326.3 | 1513.9 | 1560.8 | 1084.3 | 977.3 | 1583.3 | 12429.7 | 29264.1 | 30515.4 |
| 77.5° | 1043.0 | 1029.9 | 1125.5 | 1296.3 | 874.2 | 757.9 | 973.6 | 7884.4 | 22053.1 | 22272.6 |
| 80° | 782.3 | 744.7 | 832.9 | 1003.6 | 681.0 | 553.4 | 660.3 | 4597.8 | 13939.9 | 12636.1 |
| 82.5° | 489.6 | 470.9 | 544.0 | 669.7 | 480.2 | 380.8 | 429.6 | 2540.0 | 5586.4 | 3290.3 |
| 85° | 279.5 | 272.0 | 296.4 | 382.7 | 260.8 | 219.5 | 245.7 | 1121.8 | 1020.5 | 701.6 |
| 87.5° | 112.6 | 108.8 | 135.1 | 170.7 | 95.7 | 80.7 | 86.3 | 270.1 | 225.1 | 208.2 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7119.1 | 0° | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 | 7119.1 |
| 7147.2 | 2.5° | 7139.7 | 7139.7 | 7113.4 | 7072.2 | 7025.3 | 6995.3 | 6946.5 | 6933.3 | 6882.7 | 6867.7 |
| 7211.0 | 5° | 7226.0 | 7211.0 | 7130.3 | 7014.0 | 6854.6 | 6708.2 | 6546.9 | 6445.6 | 6303.0 | 6252.4 |
| 7336.7 | 7.5° | 7334.8 | 7293.5 | 7154.7 | 6899.6 | 6565.7 | 6237.4 | 5896.0 | 5637.1 | 5389.5 | 5301.3 |
| 7439.8 | 10° | 7434.2 | 7376.1 | 7139.7 | 6693.2 | 6115.5 | 5547.1 | 5003.0 | 4622.2 | 4333.3 | 4215.2 |
| 7554.3 | 12.5° | 7533.6 | 7426.7 | 7040.3 | 6349.9 | 5475.8 | 4704.8 | 4125.1 | 3828.7 | 3650.5 | 3507.9 |
| 7648.1 | 15° | 7627.4 | 7477.4 | 6886.4 | 5890.3 | 4774.2 | 3991.9 | 3564.2 | 3327.9 | 3185.3 | 3091.5 |
| 7785.0 | 17.5° | 7736.2 | 7520.5 | 6655.7 | 5306.9 | 4106.4 | 3498.6 | 3149.6 | 3007.1 | 2978.9 | 2967.7 |
| 7972.6 | 20° | 7888.2 | 7559.9 | 6351.8 | 4654.1 | 3614.9 | 3104.6 | 2924.5 | 2911.4 | 2909.5 | 2903.9 |
| 8197.7 | 22.5° | 8051.4 | 7606.8 | 5950.4 | 4061.3 | 3196.5 | 2858.9 | 2827.0 | 2800.7 | 2783.8 | 2782.0 |
| 8469.7 | 25° | 8244.6 | 7621.8 | 5447.6 | 3575.5 | 2840.1 | 2742.6 | 2705.1 | 2665.7 | 2654.4 | 2654.4 |
| 8779.2 | 27.5° | 8432.2 | 7571.2 | 4862.3 | 3153.4 | 2639.4 | 2635.6 | 2586.9 | 2573.7 | 2571.9 | 2577.5 |
| 9131.9 | 30° | 8619.8 | 7475.5 | 4280.8 | 2763.2 | 2523.1 | 2523.1 | 2506.2 | 2515.6 | 2523.1 | 2541.9 |
| 9615.9 | 32.5° | 8873.0 | 7374.2 | 3795.0 | 2474.3 | 2421.8 | 2403.0 | 2419.9 | 2438.7 | 2446.2 | 2470.6 |
| 10251.8 | 35° | 9244.5 | 7302.9 | 3408.5 | 2316.7 | 2316.7 | 2292.4 | 2301.7 | 2298.0 | 2281.1 | 2269.8 |
| 11020.9 | 37.5° | 9735.9 | 7299.1 | 3089.6 | 2243.6 | 2228.6 | 2224.8 | 2226.7 | 2202.3 | 2136.7 | 2057.9 |
| 11951.4 | 40° | 10326.9 | 7400.4 | 2843.9 | 2192.9 | 2181.7 | 2204.2 | 2192.9 | 2127.3 | 1947.2 | 1810.2 |
| 13095.7 | 42.5° | 11120.4 | 7689.3 | 2686.3 | 2131.0 | 2164.8 | 2192.9 | 2147.9 | 1920.9 | 1799.0 | 1707.1 |
| 14399.4 | 45° | 12054.6 | 8158.3 | 2605.6 | 2065.4 | 2132.9 | 2166.7 | 1949.1 | 1849.6 | 1752.1 | 1641.4 |
| 15821.4 | 47.5° | 13112.6 | 8749.2 | 2586.9 | 2003.5 | 2061.6 | 2082.3 | 1864.6 | 1819.6 | 1708.9 | 1588.9 |
| 17250.8 | 50° | 14264.4 | 9448.9 | 2637.5 | 1930.3 | 1958.4 | 1887.2 | 1836.5 | 1795.2 | 1680.8 | 1562.6 |
| 18715.9 | 52.5° | 15455.6 | 10219.9 | 2738.8 | 1830.9 | 1855.3 | 1776.5 | 1825.3 | 1789.6 | 1663.9 | 1504.5 |
| 20229.8 | 55° | 16626.1 | 10996.6 | 2836.4 | 1714.6 | 1750.2 | 1677.1 | 1793.4 | 1767.1 | 1587.0 | 1406.9 |
| 21844.9 | 57.5° | 17815.5 | 11769.4 | 2932.0 | 1611.4 | 1648.9 | 1581.4 | 1742.7 | 1707.1 | 1500.7 | 1316.9 |
| 23608.3 | 60° | 19051.7 | 12519.8 | 2977.1 | 1512.0 | 1538.2 | 1493.2 | 1665.8 | 1603.9 | 1403.2 | 1225.0 |
| 25341.6 | 62.5° | 20209.1 | 13144.5 | 2903.9 | 1412.6 | 1429.4 | 1410.7 | 1564.5 | 1482.0 | 1305.6 | 1121.8 |
| 27148.1 | 65° | 21370.3 | 13515.9 | 2678.8 | 1315.0 | 1318.8 | 1309.4 | 1421.9 | 1350.7 | 1191.2 | 1031.7 |
| 28729.5 | 67.5° | 22422.7 | 13724.1 | 2320.5 | 1210.0 | 1200.6 | 1196.8 | 1288.7 | 1208.1 | 1080.5 | 941.7 |
| 29931.9 | 70° | 22645.9 | 13195.1 | 1772.7 | 1086.1 | 1086.1 | 1076.8 | 1142.4 | 1059.9 | 958.6 | 846.0 |
| 29070.9 | 72.5° | 20683.7 | 11099.7 | 1258.7 | 945.5 | 960.5 | 941.7 | 996.1 | 926.7 | 834.8 | 759.7 |
| 25054.6 | 75° | 16678.7 | 8139.6 | 915.4 | 801.0 | 827.3 | 795.4 | 846.0 | 797.3 | 718.5 | 716.6 |
| 17265.8 | 77.5° | 11459.9 | 5033.1 | 664.1 | 660.3 | 679.1 | 637.8 | 696.0 | 669.7 | 598.4 | 566.5 |
| 7514.9 | 80° | 4890.5 | 2007.2 | 484.0 | 510.2 | 510.2 | 472.7 | 540.3 | 547.8 | 485.9 | 470.9 |
| 1450.1 | 82.5° | 973.6 | 570.3 | 339.5 | 350.8 | 330.2 | 318.9 | 382.7 | 424.0 | 585.3 | 650.9 |
| 437.1 | 85° | 292.6 | 210.1 | 204.5 | 191.3 | 168.8 | 170.7 | 225.1 | 425.8 | 525.3 | 300.1 |
| 144.4 | 87.5° | 80.7 | 52.5 | 54.4 | 43.1 | 35.6 | 46.9 | 76.9 | 322.7 | 176.3 | 75.0 |
| 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° |
|--------|
| 7119.1 |
| 6892.1 |
| 6289.9 |
| 5312.6 |
| 4241.4 |
| 3554.8 |
| 3108.4 |
| 2975.2 |
| 2922.7 |
| 2802.6 |
| 2665.7 |
| 2592.5 |
| 2555.0 |
| 2491.2 |
| 2296.1 |
| 2059.7 |
| 1806.5 |
| 1703.3 |
| 1633.9 |
| 1579.5 |
| 1549.5 |
| 1493.2 |
| 1397.5 |
| 1313.1 |
| 1219.3 |
| 1119.9 |
| 1020.5 |
| 930.4 |
| 842.3 |
| 737.2 |
| 645.3 |
| 530.9 |
| 470.9 |
| 652.8 |
| 258.9 |
| 63.8 |
| 0.0 |

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