

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: P853212

Luminaire Tested: **GLAN-SB9C-740-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54642 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

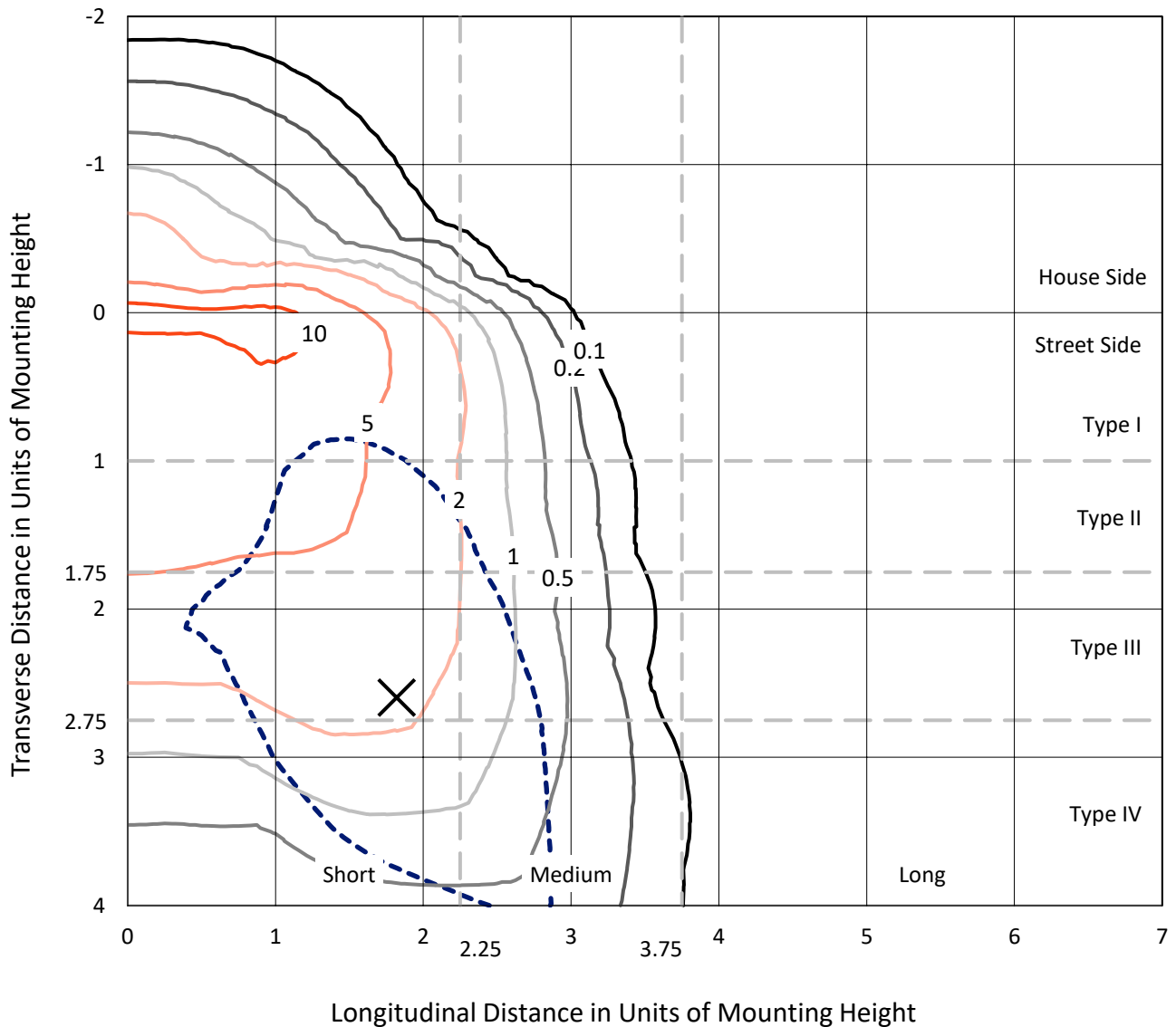
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

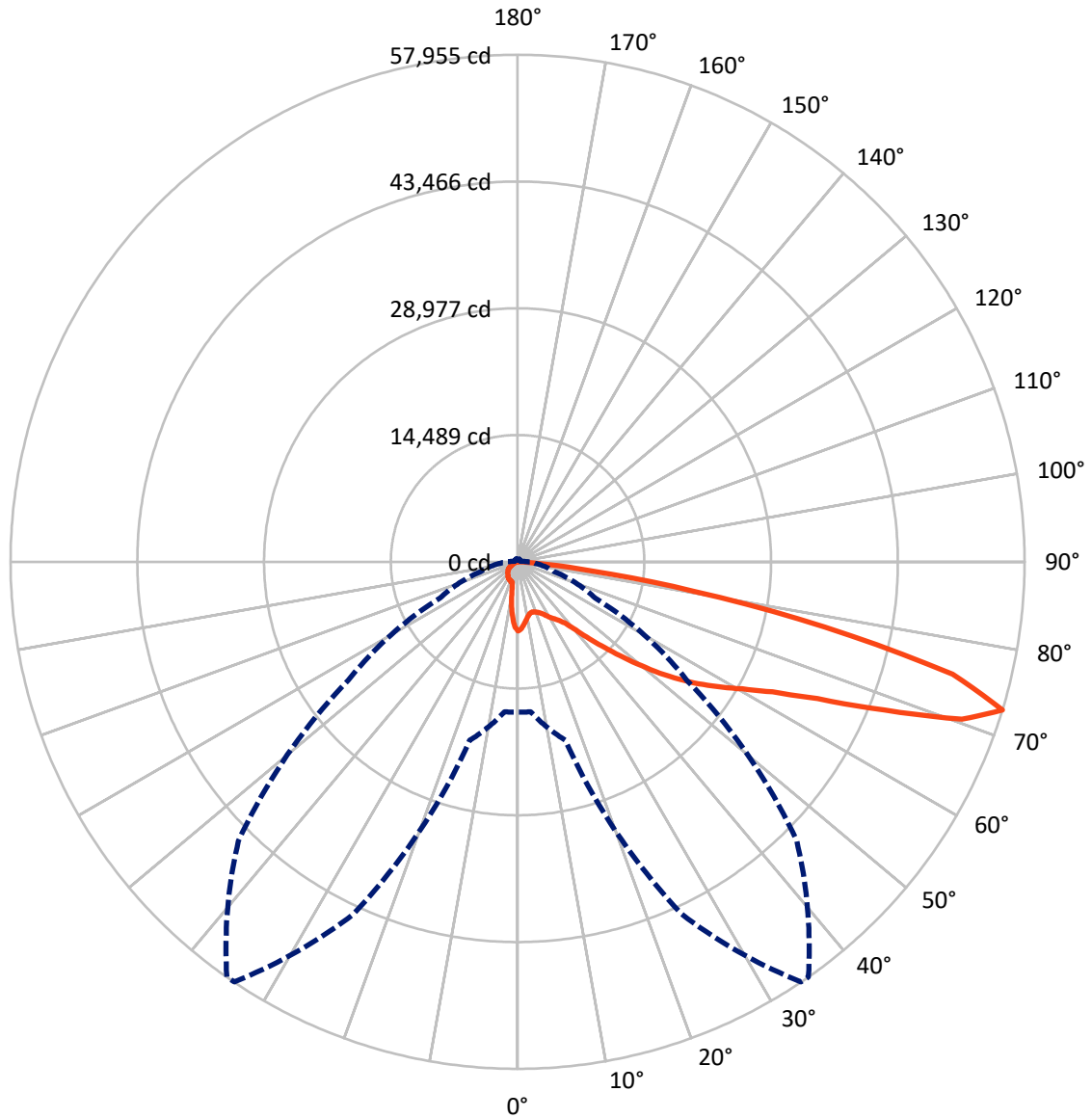
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6149.7 | 0.0 | 6149.7 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 48492.3 | 0.0 | 48492.3 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 54642.0 | 0.0 | 54642.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 650.8 | 1.2 |
| 10°-20° | 1522.4 | 2.8 |
| 20°-30° | 2473.1 | 4.5 |
| 30°-40° | 4126.3 | 7.6 |
| 40°-50° | 7807.1 | 14.3 |
| 50°-60° | 12405.5 | 22.7 |
| 60°-70° | 15346.4 | 28.1 |
| 70°-80° | 9539.4 | 17.5 |
| 80°-90° | 770.9 | 1.4 |
| 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° | 54642.0 | 100.0 |
| 0°-180° | 54642.0 | 100.0 |

Coefficient of Utilization

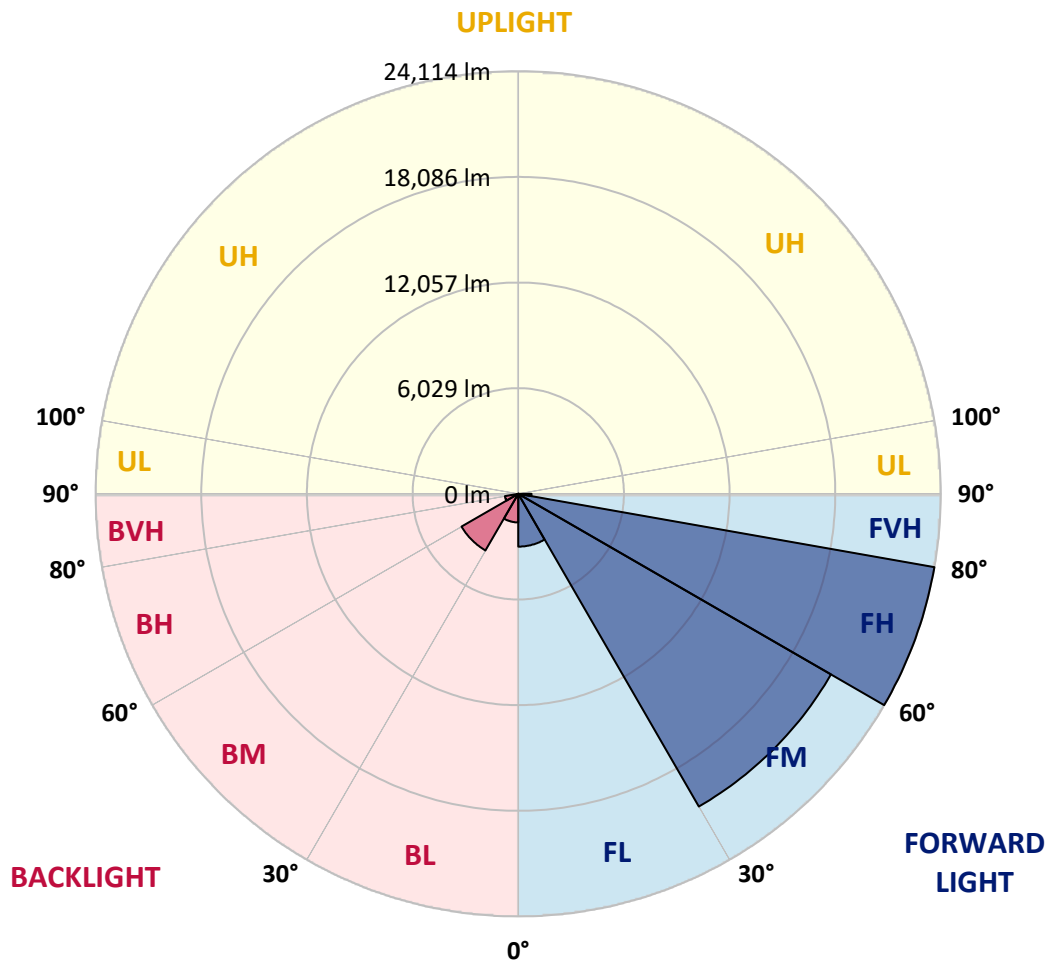


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 3012.2 | 5.5 | | | |
| FM | (30°-60°) | 20605.5 | 37.7 | | | |
| FH | (60°-80°) | 24114.2 | 44.1 | | | G5 |
| FVH | (80°-90°) | 760.4 | 1.4 | | | G5 |
| BL | (0°-30°) | 1634.1 | 3.0 | B3/2500 | | |
| BM | (30°-60°) | 3733.4 | 6.8 | B3/5000 | | |
| BH | (60°-80°) | 771.7 | 1.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 10.5 | 0.0 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 |
| 2.5° | 7567.1 | 7631.2 | 7643.2 | 7663.2 | 7663.2 | 7687.2 | 7727.3 | 7783.3 | 7875.4 | 7923.5 |
| 5° | 6974.6 | 7022.6 | 7082.7 | 7130.7 | 7222.8 | 7234.8 | 7391.0 | 7543.1 | 7755.3 | 7915.5 |
| 7.5° | 6378.0 | 6434.1 | 6514.1 | 6630.2 | 6750.4 | 6786.4 | 7022.6 | 7278.9 | 7615.2 | 7915.5 |
| 10° | 5957.6 | 5961.6 | 6033.7 | 6149.8 | 6342.0 | 6386.0 | 6674.3 | 7038.6 | 7459.0 | 7867.4 |
| 12.5° | 5721.4 | 5749.4 | 5781.4 | 5869.5 | 6053.7 | 6081.7 | 6390.0 | 6818.4 | 7302.9 | 7839.4 |
| 15° | 5721.4 | 5741.4 | 5761.4 | 5805.5 | 5953.6 | 5977.6 | 6249.9 | 6678.3 | 7222.8 | 7851.4 |
| 17.5° | 5781.4 | 5813.5 | 5797.5 | 5849.5 | 6005.7 | 6021.7 | 6261.9 | 6638.3 | 7218.8 | 7927.5 |
| 20° | 5925.6 | 5949.6 | 5917.6 | 5949.6 | 6105.7 | 6137.8 | 6386.0 | 6714.3 | 7286.9 | 8059.6 |
| 22.5° | 6153.8 | 6165.8 | 6089.7 | 6113.8 | 6273.9 | 6313.9 | 6602.2 | 6930.5 | 7451.0 | 8271.8 |
| 25° | 6442.1 | 6466.1 | 6350.0 | 6378.0 | 6530.1 | 6578.2 | 6910.5 | 7254.8 | 7711.3 | 8564.1 |
| 27.5° | 6774.4 | 6786.4 | 6686.3 | 6682.3 | 6878.5 | 6946.5 | 7282.9 | 7655.2 | 8059.6 | 8932.4 |
| 30° | 7154.7 | 7190.8 | 7094.7 | 7078.7 | 7326.9 | 7383.0 | 7715.3 | 8147.7 | 8572.1 | 9484.9 |
| 32.5° | 7455.0 | 7483.0 | 7427.0 | 7467.0 | 7719.3 | 7763.3 | 8239.8 | 8844.3 | 9376.8 | 10269.7 |
| 35° | 7887.4 | 7903.4 | 7775.3 | 7847.4 | 8135.7 | 8247.8 | 8956.4 | 9821.2 | 10389.8 | 11254.6 |
| 37.5° | 9452.9 | 9452.9 | 8908.4 | 8552.1 | 8828.3 | 8928.4 | 9937.4 | 11050.4 | 11639.0 | 12575.8 |
| 40° | 11618.9 | 11582.9 | 10786.2 | 10057.5 | 10021.4 | 10217.6 | 11334.7 | 12599.9 | 13252.5 | 14161.3 |
| 42.5° | 13929.1 | 13873.1 | 12788.0 | 12067.4 | 11947.3 | 12015.3 | 12948.2 | 14509.7 | 15174.3 | 16095.2 |
| 45° | 15979.0 | 15963.0 | 14970.1 | 14001.2 | 13785.0 | 14001.2 | 14962.1 | 16743.8 | 17220.2 | 18189.1 |
| 47.5° | 17696.7 | 17696.7 | 16972.0 | 16339.4 | 16227.3 | 16355.4 | 17688.7 | 19222.1 | 19178.1 | 20419.2 |
| 50° | 19674.5 | 19658.5 | 18969.9 | 18697.6 | 18813.7 | 18993.9 | 20827.6 | 21832.6 | 21204.0 | 22609.3 |
| 52.5° | 21059.8 | 21155.9 | 20919.7 | 20875.7 | 21468.2 | 21780.5 | 24014.6 | 24387.0 | 23017.7 | 24687.2 |
| 55° | 22156.9 | 22269.0 | 22541.2 | 22849.5 | 23990.6 | 24399.0 | 27101.5 | 26809.2 | 24535.1 | 26488.9 |
| 57.5° | 23710.3 | 23550.2 | 23970.6 | 24579.1 | 26424.9 | 26917.3 | 30092.3 | 29095.4 | 25756.3 | 27950.3 |
| 60° | 25596.1 | 25620.1 | 25692.2 | 26460.9 | 28855.2 | 29487.8 | 33039.1 | 31257.4 | 26541.0 | 28847.2 |
| 62.5° | 27862.2 | 27898.3 | 28046.4 | 29227.5 | 32118.2 | 32714.8 | 36178.1 | 33027.1 | 26901.3 | 28594.9 |
| 65° | 27706.1 | 27858.2 | 29511.8 | 33551.6 | 37078.9 | 37667.5 | 39841.5 | 34268.3 | 26356.8 | 26288.8 |
| 67.5° | 25239.8 | 25488.0 | 28254.6 | 38716.5 | 44558.0 | 45214.6 | 44269.7 | 34512.5 | 24006.6 | 20443.3 |
| 70° | 22004.7 | 22092.8 | 25419.9 | 43360.8 | 53218.1 | 53882.7 | 48233.4 | 31826.0 | 18217.2 | 11402.7 |
| 72.5° | 17184.2 | 17204.2 | 21107.9 | 44437.8 | 57918.5 | 57954.6 | 45122.5 | 23626.2 | 9797.2 | 4380.1 |
| 75° | 12275.6 | 12155.4 | 14137.3 | 36037.9 | 50956.0 | 51364.4 | 33827.9 | 11082.4 | 3743.5 | 2069.9 |
| 77.5° | 6582.2 | 6714.3 | 7999.5 | 21372.1 | 35201.1 | 35897.8 | 18457.4 | 3195.0 | 1905.8 | 1409.3 |
| 80° | 2033.9 | 2146.0 | 3279.1 | 9785.2 | 19938.8 | 20359.2 | 6842.4 | 1421.3 | 1329.3 | 1004.9 |
| 82.5° | 640.6 | 664.6 | 1529.4 | 4111.9 | 8275.8 | 8468.0 | 1981.9 | 804.8 | 908.9 | 664.6 |
| 85° | 184.2 | 188.2 | 680.6 | 1533.4 | 2045.9 | 2086.0 | 556.5 | 312.3 | 520.5 | 412.4 |
| 87.5° | 20.0 | 64.1 | 256.2 | 256.2 | 180.2 | 176.2 | 60.1 | 68.1 | 148.1 | 52.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7919.5 | 0° | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 | 7919.5 |
| 7955.5 | 2.5° | 7935.5 | 7939.5 | 7887.4 | 7799.3 | 7703.3 | 7623.2 | 7523.1 | 7443.0 | 7387.0 | 7370.9 |
| 8027.6 | 5° | 7991.5 | 7963.5 | 7815.4 | 7547.1 | 7226.8 | 6950.5 | 6642.3 | 6398.0 | 6237.9 | 6169.8 |
| 8103.6 | 7.5° | 8075.6 | 7995.5 | 7671.2 | 7142.7 | 6530.1 | 5985.6 | 5433.1 | 5004.7 | 4732.5 | 4596.3 |
| 8175.7 | 10° | 8147.7 | 7987.5 | 7431.0 | 6558.2 | 5621.3 | 4796.5 | 4051.8 | 3535.3 | 3247.1 | 3110.9 |
| 8259.8 | 12.5° | 8215.7 | 7983.5 | 7118.7 | 5865.5 | 4596.3 | 3587.4 | 2894.7 | 2638.5 | 2558.4 | 2530.4 |
| 8395.9 | 15° | 8343.9 | 7995.5 | 6726.3 | 5072.8 | 3575.4 | 2710.6 | 2458.3 | 2454.3 | 2470.3 | 2462.3 |
| 8604.1 | 17.5° | 8520.0 | 8007.5 | 6281.9 | 4232.0 | 2758.6 | 2390.3 | 2378.2 | 2414.3 | 2438.3 | 2426.3 |
| 8864.3 | 20° | 8748.2 | 8055.6 | 5809.5 | 3399.2 | 2370.2 | 2310.2 | 2338.2 | 2370.2 | 2390.3 | 2370.2 |
| 9212.7 | 22.5° | 9068.5 | 8139.7 | 5293.0 | 2730.6 | 2246.1 | 2262.1 | 2286.2 | 2322.2 | 2342.2 | 2314.2 |
| 9657.1 | 25° | 9460.9 | 8271.8 | 4784.5 | 2374.2 | 2186.1 | 2206.1 | 2242.1 | 2282.1 | 2306.2 | 2278.1 |
| 10217.6 | 27.5° | 9969.4 | 8484.0 | 4316.1 | 2294.2 | 2126.0 | 2138.0 | 2190.1 | 2250.1 | 2282.1 | 2246.1 |
| 11014.4 | 30° | 10706.1 | 8832.3 | 3911.7 | 2330.2 | 2090.0 | 2061.9 | 2134.0 | 2218.1 | 2254.1 | 2222.1 |
| 12099.4 | 32.5° | 11683.0 | 9324.8 | 3663.4 | 2386.2 | 2074.0 | 1973.9 | 2041.9 | 2150.0 | 2210.1 | 2190.1 |
| 13516.7 | 35° | 12964.2 | 10073.5 | 3567.4 | 2450.3 | 2061.9 | 1881.8 | 1929.8 | 2045.9 | 2150.0 | 2170.0 |
| 15302.4 | 37.5° | 14517.7 | 11114.5 | 3595.4 | 2478.3 | 2025.9 | 1805.7 | 1829.7 | 1929.8 | 2065.9 | 2130.0 |
| 17312.3 | 40° | 16283.3 | 12327.6 | 3755.5 | 2450.3 | 1985.9 | 1741.6 | 1745.6 | 1821.7 | 1941.8 | 2037.9 |
| 19474.3 | 42.5° | 18105.0 | 13744.9 | 4051.8 | 2346.2 | 1949.8 | 1685.6 | 1673.6 | 1725.6 | 1805.7 | 1873.8 |
| 21632.4 | 45° | 19838.7 | 15202.3 | 4344.1 | 2202.1 | 1905.8 | 1629.5 | 1601.5 | 1621.5 | 1637.5 | 1665.6 |
| 23734.4 | 47.5° | 21352.1 | 16227.3 | 4260.0 | 2069.9 | 1845.7 | 1565.5 | 1517.4 | 1509.4 | 1461.4 | 1457.4 |
| 25612.1 | 50° | 22397.1 | 16451.5 | 3783.6 | 1937.8 | 1757.7 | 1493.4 | 1417.3 | 1369.3 | 1285.2 | 1245.2 |
| 27017.4 | 52.5° | 22729.4 | 15566.7 | 3090.9 | 1805.7 | 1613.5 | 1397.3 | 1289.2 | 1213.1 | 1109.0 | 1073.0 |
| 27826.2 | 55° | 22289.0 | 13833.0 | 2470.3 | 1645.5 | 1413.3 | 1269.2 | 1149.1 | 1049.0 | 964.9 | 920.9 |
| 27914.3 | 57.5° | 21212.0 | 11626.9 | 1953.8 | 1457.4 | 1201.1 | 1125.1 | 1004.9 | 904.9 | 832.8 | 788.7 |
| 26937.4 | 60° | 19426.3 | 9232.7 | 1545.5 | 1233.2 | 1025.0 | 968.9 | 844.8 | 780.7 | 716.7 | 664.6 |
| 24415.0 | 62.5° | 16715.7 | 6590.2 | 1213.1 | 976.9 | 856.8 | 792.7 | 720.7 | 672.6 | 596.6 | 524.5 |
| 19878.7 | 65° | 13044.3 | 4031.8 | 936.9 | 716.7 | 688.6 | 656.6 | 612.6 | 568.5 | 476.4 | 404.4 |
| 12968.2 | 67.5° | 8227.7 | 1909.8 | 668.6 | 540.5 | 544.5 | 528.5 | 508.5 | 472.4 | 404.4 | 340.3 |
| 5809.5 | 70° | 3623.4 | 924.9 | 440.4 | 412.4 | 404.4 | 404.4 | 420.4 | 408.4 | 344.3 | 284.3 |
| 2017.9 | 72.5° | 1233.2 | 496.5 | 328.3 | 312.3 | 292.3 | 288.3 | 352.3 | 340.3 | 276.3 | 220.2 |
| 1004.9 | 75° | 644.6 | 332.3 | 240.2 | 224.2 | 176.2 | 212.2 | 280.3 | 264.2 | 196.2 | 144.1 |
| 664.6 | 77.5° | 420.4 | 236.2 | 164.2 | 144.1 | 100.1 | 140.1 | 208.2 | 184.2 | 116.1 | 72.1 |
| 436.4 | 80° | 264.2 | 156.1 | 96.1 | 68.1 | 48.0 | 76.1 | 112.1 | 80.1 | 44.0 | 16.0 |
| 256.2 | 82.5° | 140.1 | 80.1 | 36.0 | 24.0 | 20.0 | 24.0 | 28.0 | 20.0 | 8.0 | 0.0 |
| 132.1 | 85° | 56.1 | 28.0 | 12.0 | 8.0 | 4.0 | 0.0 | 8.0 | 4.0 | 0.0 | 0.0 |
| 24.0 | 87.5° | 20.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° |
| <hr/> |
| 7919.5 |
| 7399.0 |
| 6193.8 |
| 4616.3 |
| 3114.9 |
| 2522.4 |
| 2458.3 |
| 2422.3 |
| 2366.2 |
| 2310.2 |
| 2274.1 |
| 2246.1 |
| 2218.1 |
| 2190.1 |
| 2170.0 |
| 2146.0 |
| 2069.9 |
| 1901.8 |
| 1681.6 |
| 1453.4 |
| 1249.2 |
| 1069.0 |
| 920.9 |
| 780.7 |
| 652.6 |
| 512.5 |
| 392.4 |
| 332.3 |
| 272.3 |
| 208.2 |
| 132.1 |
| 64.1 |
| 12.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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