

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: P849603

Luminaire Tested: **GLAN-SB6D-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47833 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

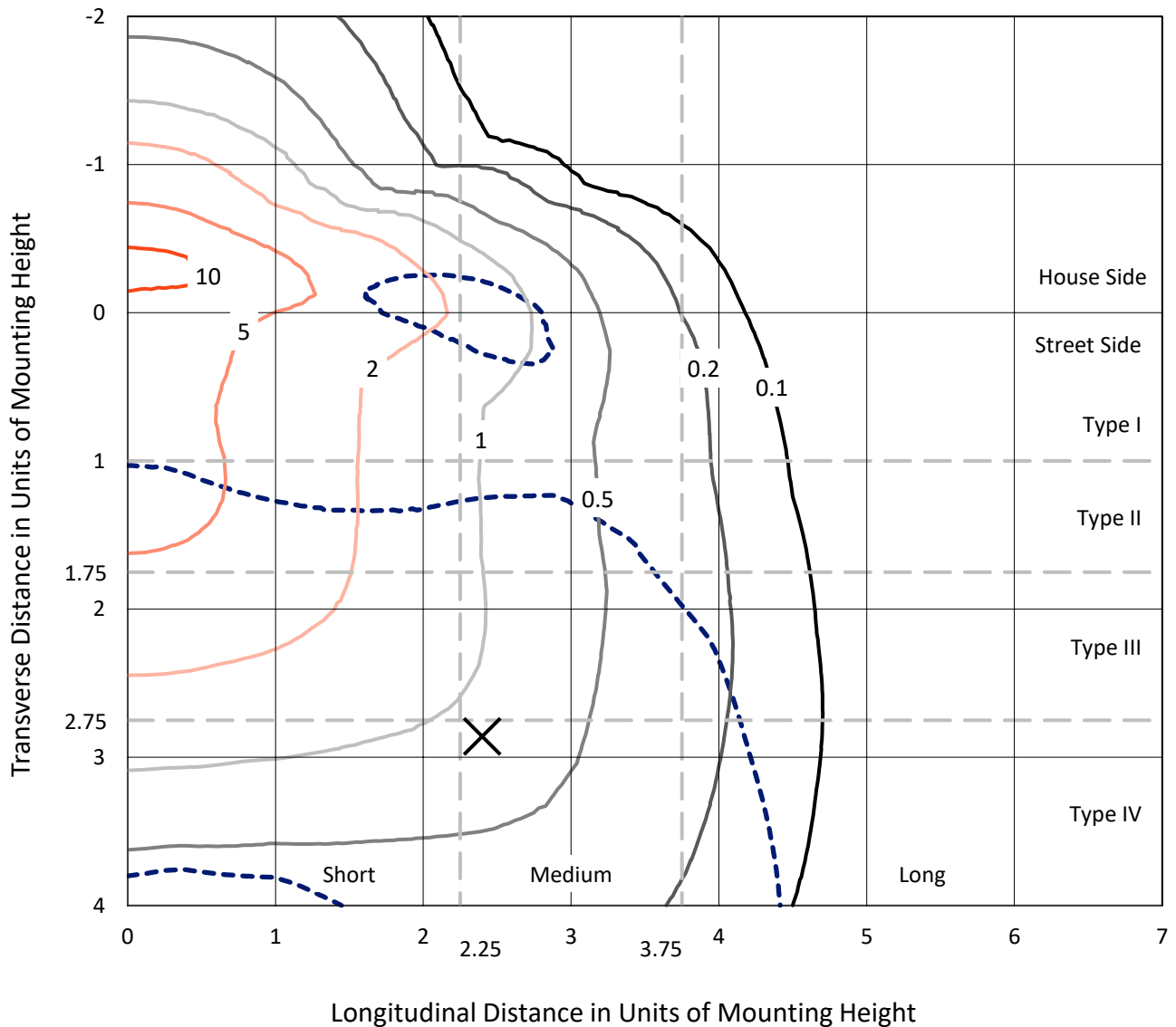
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

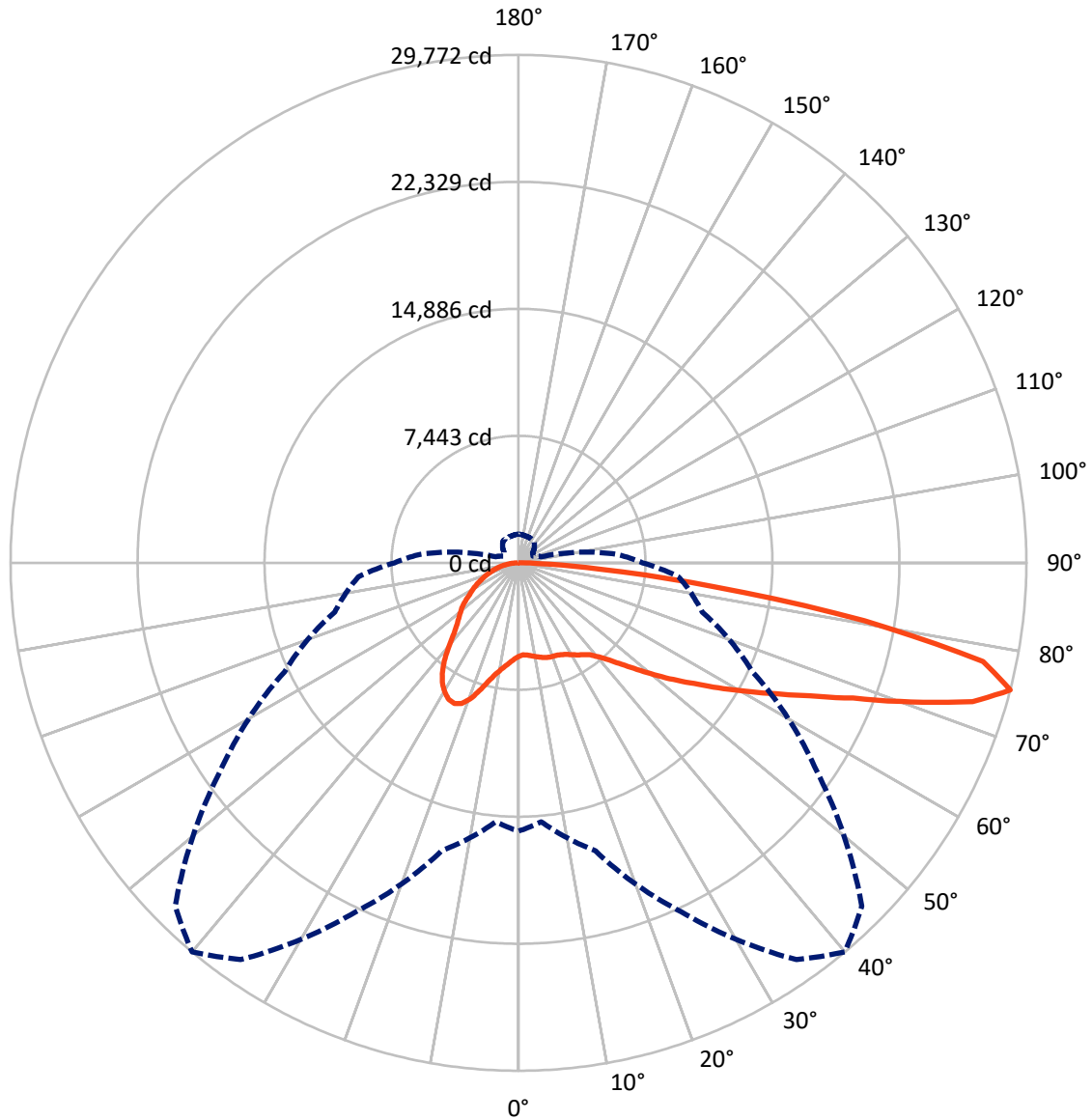
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14820.3 | 0.0 | 14820.3 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 33012.7 | 0.0 | 33012.7 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 47833.0 | 0.0 | 47833.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 546.0 | 1.1 |
| 10°-20° | 1833.1 | 3.8 |
| 20°-30° | 3347.1 | 7.0 |
| 30°-40° | 4747.2 | 9.9 |
| 40°-50° | 6410.1 | 13.4 |
| 50°-60° | 8623.3 | 18.0 |
| 60°-70° | 10945.0 | 22.9 |
| 70°-80° | 9933.2 | 20.8 |
| 80°-90° | 1448.0 | 3.0 |
| 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° | 47833.0 | 100.0 |
| 0°-180° | 47833.0 | 100.0 |

Coefficient of Utilization

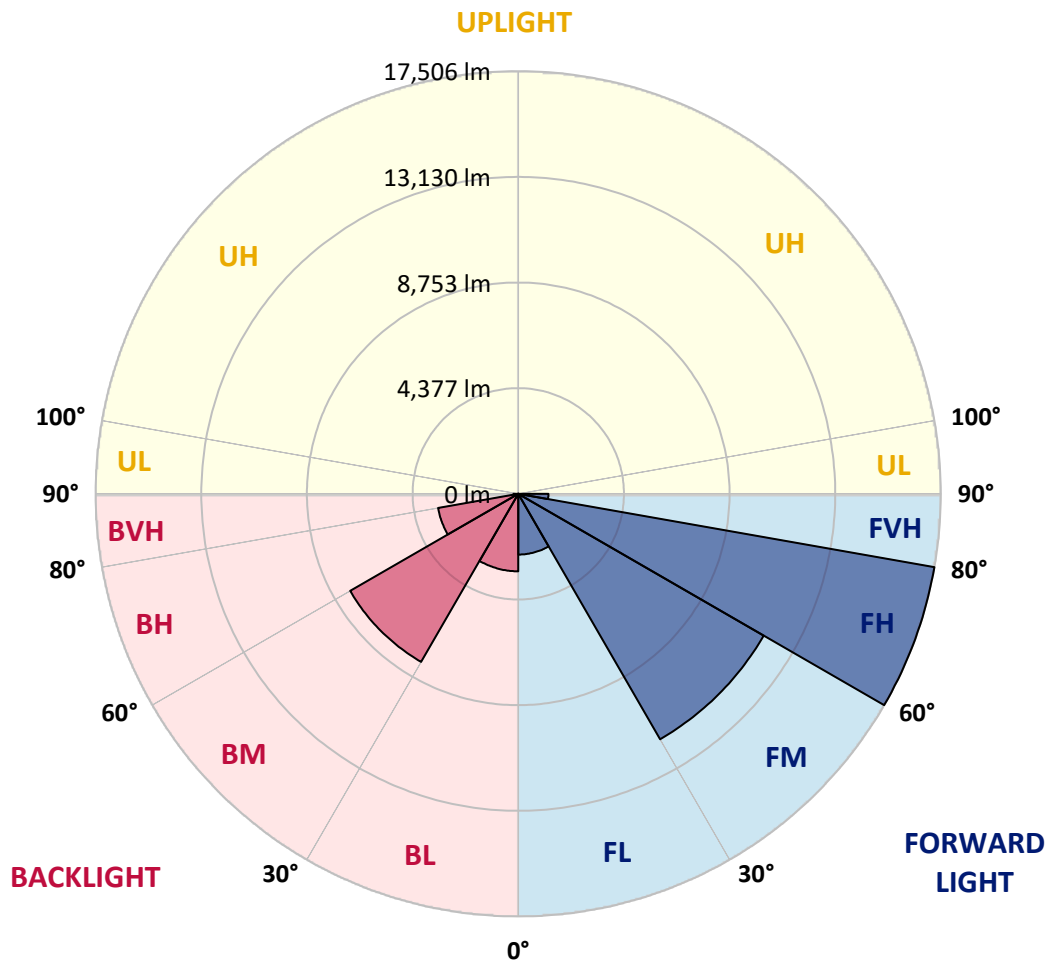


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2516.1 | 5.3 | | | |
| FM (30°-60°) | 11741.9 | 24.5 | | | |
| FH (60°-80°) | 17506.1 | 36.6 | | | G5 |
| FVH (80°-90°) | 1248.6 | 2.6 | | | G5 |
| BL (0°-30°) | 3210.2 | 6.7 | B4/5000 | | |
| BM (30°-60°) | 8038.7 | 16.8 | B4/8500 | | |
| BH (60°-80°) | 3372.0 | 7.0 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 199.4 | 0.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 |
| 2.5° | 5386.0 | 5416.5 | 5408.9 | 5398.7 | 5398.7 | 5401.3 | 5398.7 | 5416.5 | 5434.2 | 5452.0 |
| 5° | 5441.9 | 5472.3 | 5457.1 | 5444.4 | 5434.2 | 5431.7 | 5424.1 | 5421.6 | 5431.7 | 5454.5 |
| 7.5° | 5551.0 | 5581.4 | 5558.6 | 5535.7 | 5515.4 | 5505.3 | 5495.1 | 5479.9 | 5472.3 | 5485.0 |
| 10° | 5672.7 | 5703.2 | 5675.3 | 5634.7 | 5601.7 | 5589.0 | 5578.9 | 5563.6 | 5553.5 | 5561.1 |
| 12.5° | 5794.5 | 5824.9 | 5786.9 | 5731.1 | 5687.9 | 5680.3 | 5667.7 | 5662.6 | 5660.0 | 5657.5 |
| 15° | 5908.7 | 5934.0 | 5885.8 | 5819.9 | 5774.2 | 5761.5 | 5748.8 | 5756.4 | 5769.1 | 5784.4 |
| 17.5° | 5997.5 | 6022.8 | 5951.8 | 5865.5 | 5822.4 | 5817.3 | 5809.7 | 5835.1 | 5870.6 | 5908.7 |
| 20° | 6078.6 | 6104.0 | 6012.7 | 5896.0 | 5845.2 | 5845.2 | 5847.8 | 5901.1 | 5951.8 | 6007.6 |
| 22.5° | 6192.8 | 6213.1 | 6101.5 | 5941.6 | 5868.1 | 5873.1 | 5893.4 | 5946.7 | 6010.1 | 6086.3 |
| 25° | 6362.8 | 6378.0 | 6241.0 | 6027.9 | 5944.2 | 5959.4 | 5977.2 | 6002.5 | 6063.4 | 6152.2 |
| 27.5° | 6636.8 | 6649.5 | 6469.3 | 6180.1 | 6053.3 | 6078.6 | 6104.0 | 6086.3 | 6114.2 | 6190.3 |
| 30° | 7022.4 | 7030.0 | 6801.7 | 6418.6 | 6238.5 | 6251.2 | 6256.2 | 6182.7 | 6129.4 | 6190.3 |
| 32.5° | 7479.1 | 7476.5 | 7205.1 | 6707.8 | 6449.0 | 6436.4 | 6393.2 | 6248.6 | 6124.3 | 6177.6 |
| 35° | 8186.9 | 8159.0 | 7808.9 | 7113.7 | 6687.5 | 6608.9 | 6507.4 | 6322.2 | 6149.7 | 6164.9 |
| 37.5° | 9359.0 | 9272.7 | 8788.2 | 7778.4 | 7042.7 | 6842.3 | 6692.6 | 6441.4 | 6205.5 | 6159.8 |
| 40° | 10680.8 | 10571.7 | 10038.9 | 8689.2 | 7575.5 | 7253.3 | 7012.3 | 6611.4 | 6296.8 | 6182.7 |
| 42.5° | 12248.6 | 12093.9 | 11520.5 | 9762.4 | 8250.3 | 7783.5 | 7420.7 | 6827.1 | 6431.3 | 6256.2 |
| 45° | 14174.2 | 13968.7 | 13156.9 | 10972.5 | 9100.2 | 8478.6 | 7994.1 | 7154.3 | 6636.8 | 6398.3 |
| 47.5° | 16120.1 | 16170.8 | 15016.5 | 12357.7 | 10120.1 | 9336.2 | 8712.1 | 7646.5 | 6936.2 | 6626.6 |
| 50° | 18187.7 | 18223.3 | 16866.0 | 13892.6 | 11277.0 | 10305.3 | 9518.8 | 8197.0 | 7352.2 | 6951.4 |
| 52.5° | 19801.3 | 19806.3 | 18545.5 | 15498.5 | 12482.0 | 11370.8 | 10389.0 | 8826.2 | 7834.2 | 7382.7 |
| 55° | 20811.0 | 20798.3 | 19722.6 | 17018.2 | 13867.2 | 12489.6 | 11353.1 | 9541.6 | 8422.8 | 7890.1 |
| 57.5° | 21544.2 | 21506.1 | 20534.5 | 18324.7 | 15343.8 | 13811.4 | 12444.0 | 10353.5 | 9118.0 | 8493.9 |
| 60° | 21823.3 | 21800.4 | 21085.0 | 19453.7 | 16896.4 | 15272.7 | 13702.3 | 11261.7 | 9907.0 | 9206.8 |
| 62.5° | 21929.8 | 21972.9 | 21625.4 | 20547.1 | 18558.1 | 16891.3 | 15085.0 | 12347.6 | 10794.9 | 10013.5 |
| 65° | 22305.3 | 22383.9 | 22312.9 | 21978.0 | 20435.5 | 18786.5 | 16919.2 | 13638.9 | 11764.1 | 10878.6 |
| 67.5° | 23048.6 | 23127.3 | 23157.7 | 23690.5 | 22729.0 | 21148.4 | 19207.6 | 15247.4 | 12898.1 | 11776.7 |
| 70° | 23030.9 | 23008.0 | 23545.9 | 25052.9 | 25600.8 | 24418.6 | 22292.6 | 17226.2 | 14250.3 | 12522.6 |
| 72.5° | 20963.2 | 20780.5 | 22051.6 | 25037.6 | 27990.7 | 27833.4 | 26060.0 | 19778.4 | 15417.3 | 12614.0 |
| 75° | 15726.8 | 15239.7 | 17485.0 | 22564.1 | 28389.0 | 29771.7 | 28455.0 | 21361.5 | 15140.8 | 11145.0 |
| 77.5° | 6725.6 | 6235.9 | 8882.0 | 16703.6 | 25408.0 | 27830.9 | 26257.9 | 18636.8 | 12086.3 | 7370.0 |
| 80° | 1760.7 | 1758.1 | 2684.1 | 7572.9 | 17279.5 | 20552.2 | 18030.4 | 12035.5 | 6905.7 | 2633.4 |
| 82.5° | 728.1 | 710.4 | 986.9 | 2945.5 | 8443.1 | 11533.2 | 9412.3 | 5368.3 | 2493.9 | 712.9 |
| 85° | 271.5 | 268.9 | 479.5 | 1017.3 | 2978.4 | 4756.9 | 3442.7 | 1372.5 | 621.6 | 347.6 |
| 87.5° | 76.1 | 73.6 | 104.0 | 352.6 | 725.6 | 1101.1 | 588.6 | 225.8 | 175.1 | 137.0 |
| 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° |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 5469.8 | 0° | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 | 5469.8 |
| 5479.9 | 2.5° | 5487.5 | 5500.2 | 5523.0 | 5540.8 | 5563.6 | 5589.0 | 5624.5 | 5647.4 | 5670.2 | 5685.4 |
| 5492.6 | 5° | 5510.4 | 5538.3 | 5596.6 | 5655.0 | 5723.5 | 5786.9 | 5860.5 | 5913.7 | 5956.9 | 5969.6 |
| 5538.3 | 7.5° | 5561.1 | 5606.8 | 5705.7 | 5804.7 | 5913.7 | 6017.8 | 6124.3 | 6215.6 | 6289.2 | 6317.1 |
| 5619.5 | 10° | 5649.9 | 5710.8 | 5850.3 | 5989.9 | 6134.5 | 6294.3 | 6431.3 | 6563.2 | 6667.2 | 6710.4 |
| 5715.9 | 12.5° | 5761.5 | 5837.6 | 6020.3 | 6213.1 | 6413.5 | 6634.2 | 6811.8 | 6974.2 | 7103.6 | 7161.9 |
| 5850.3 | 15° | 5906.1 | 6005.1 | 6238.5 | 6497.3 | 6791.5 | 7098.5 | 7324.3 | 7504.4 | 7649.0 | 7720.1 |
| 5989.9 | 17.5° | 6063.4 | 6195.3 | 6489.6 | 6880.3 | 7301.5 | 7704.9 | 7968.7 | 8100.6 | 8250.3 | 8318.8 |
| 6119.2 | 20° | 6215.6 | 6378.0 | 6799.2 | 7367.4 | 7928.1 | 8356.9 | 8570.0 | 8605.5 | 8615.6 | 8623.3 |
| 6241.0 | 22.5° | 6372.9 | 6591.1 | 7187.3 | 7981.4 | 8582.7 | 8879.5 | 8909.9 | 8757.7 | 8544.6 | 8445.7 |
| 6360.3 | 25° | 6545.5 | 6834.7 | 7694.7 | 8658.8 | 9145.9 | 9181.4 | 8948.0 | 8577.6 | 8174.2 | 7989.0 |
| 6456.7 | 27.5° | 6712.9 | 7116.3 | 8303.6 | 9305.7 | 9551.8 | 9239.7 | 8737.4 | 8212.3 | 7725.2 | 7529.8 |
| 6525.2 | 30° | 6880.3 | 7438.5 | 8975.9 | 9871.5 | 9737.0 | 9095.1 | 8405.1 | 7819.0 | 7329.4 | 7123.9 |
| 6586.0 | 32.5° | 7050.3 | 7814.0 | 9749.7 | 10279.9 | 9704.0 | 8788.2 | 7991.5 | 7377.6 | 6946.3 | 6730.7 |
| 6639.3 | 35° | 7243.1 | 8275.7 | 10482.9 | 10503.2 | 9483.3 | 8336.6 | 7446.1 | 6849.9 | 6474.4 | 6301.9 |
| 6702.7 | 37.5° | 7494.3 | 8861.7 | 11129.8 | 10559.0 | 9097.7 | 7674.4 | 6768.7 | 6225.8 | 5916.3 | 5837.6 |
| 6796.6 | 40° | 7806.3 | 9567.0 | 11624.5 | 10470.2 | 8526.8 | 6870.2 | 6027.9 | 5594.1 | 5419.0 | 5436.8 |
| 6923.5 | 42.5° | 8212.3 | 10356.0 | 11972.1 | 10241.9 | 7732.8 | 6040.6 | 5378.4 | 5185.6 | 5269.3 | 5340.4 |
| 7113.7 | 45° | 8740.0 | 11175.5 | 12187.7 | 9853.7 | 6834.7 | 5337.8 | 4995.3 | 5041.0 | 5104.4 | 5112.1 |
| 7420.7 | 47.5° | 9414.8 | 12005.1 | 12329.8 | 9267.7 | 5918.8 | 4843.1 | 4751.8 | 4761.9 | 4749.3 | 4696.0 |
| 7879.9 | 50° | 10257.1 | 12811.8 | 12456.7 | 8491.3 | 5140.0 | 4533.6 | 4411.8 | 4376.3 | 4201.3 | 4028.8 |
| 8491.3 | 52.5° | 11216.1 | 13552.6 | 12509.9 | 7527.3 | 4533.6 | 4274.8 | 4077.0 | 3853.7 | 3526.4 | 3473.2 |
| 9260.0 | 55° | 12281.6 | 14237.6 | 12372.9 | 6342.5 | 4023.7 | 3942.5 | 3643.1 | 3374.2 | 3338.7 | 3293.0 |
| 10272.3 | 57.5° | 13555.2 | 14975.9 | 12093.9 | 5020.7 | 3501.1 | 3554.3 | 3262.6 | 3293.0 | 3229.6 | 3158.6 |
| 11573.8 | 60° | 14948.0 | 15739.5 | 11604.2 | 3815.6 | 2960.7 | 3069.8 | 3163.6 | 3161.1 | 3143.3 | 3085.0 |
| 12946.3 | 62.5° | 16201.3 | 16241.9 | 10640.2 | 2922.6 | 2486.3 | 2694.3 | 2950.5 | 2948.0 | 2932.8 | 2899.8 |
| 14379.7 | 65° | 16947.1 | 16165.8 | 9031.7 | 2301.1 | 2095.6 | 2384.8 | 2661.3 | 2681.6 | 2684.1 | 2681.6 |
| 15457.9 | 67.5° | 16815.2 | 15275.3 | 6824.5 | 1831.7 | 1773.4 | 2070.2 | 2374.6 | 2402.5 | 2422.8 | 2427.9 |
| 15594.9 | 70° | 15323.5 | 13319.2 | 4449.9 | 1461.3 | 1486.7 | 1793.7 | 2103.2 | 2131.1 | 2148.8 | 2169.1 |
| 13532.3 | 72.5° | 11944.2 | 9792.8 | 2547.1 | 1182.2 | 1235.5 | 1555.2 | 1834.2 | 1867.2 | 1877.4 | 1915.4 |
| 9417.3 | 75° | 7278.6 | 5759.0 | 1375.1 | 931.1 | 1014.8 | 1329.4 | 1567.9 | 1605.9 | 1623.7 | 1669.3 |
| 4624.9 | 77.5° | 3460.5 | 2493.9 | 783.9 | 725.6 | 816.9 | 1085.8 | 1324.3 | 1367.4 | 1319.2 | 1344.6 |
| 1276.1 | 80° | 1169.6 | 926.0 | 494.7 | 553.1 | 624.1 | 847.4 | 1060.5 | 1103.6 | 1002.1 | 997.0 |
| 423.7 | 82.5° | 408.5 | 375.5 | 314.6 | 367.9 | 403.4 | 606.3 | 801.7 | 857.5 | 745.9 | 743.3 |
| 190.3 | 85° | 159.8 | 152.2 | 175.1 | 200.4 | 241.0 | 372.9 | 527.7 | 555.6 | 459.2 | 370.4 |
| 55.8 | 87.5° | 33.0 | 35.5 | 43.1 | 45.7 | 73.6 | 129.4 | 190.3 | 233.4 | 185.2 | 157.3 |
| 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° |
|--------|
| 5469.8 |
| 5675.3 |
| 5974.6 |
| 6319.7 |
| 6712.9 |
| 7161.9 |
| 7715.0 |
| 8316.3 |
| 8643.6 |
| 8473.6 |
| 8016.9 |
| 7552.6 |
| 7146.7 |
| 6758.6 |
| 6340.0 |
| 5893.4 |
| 5497.7 |
| 5406.3 |
| 5162.8 |
| 4736.6 |
| 4051.6 |
| 3490.9 |
| 3300.6 |
| 3145.9 |
| 3064.7 |
| 2887.1 |
| 2681.6 |
| 2433.0 |
| 2179.3 |
| 1930.7 |
| 1674.4 |
| 1324.3 |
| 986.9 |
| 707.8 |
| 365.3 |
| 144.6 |
| 0.0 |

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