

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: P853195

Luminaire Tested: **GLAN-SB9B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32646 lumens
Efficiency: N/A
Efficacy: 99.1 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

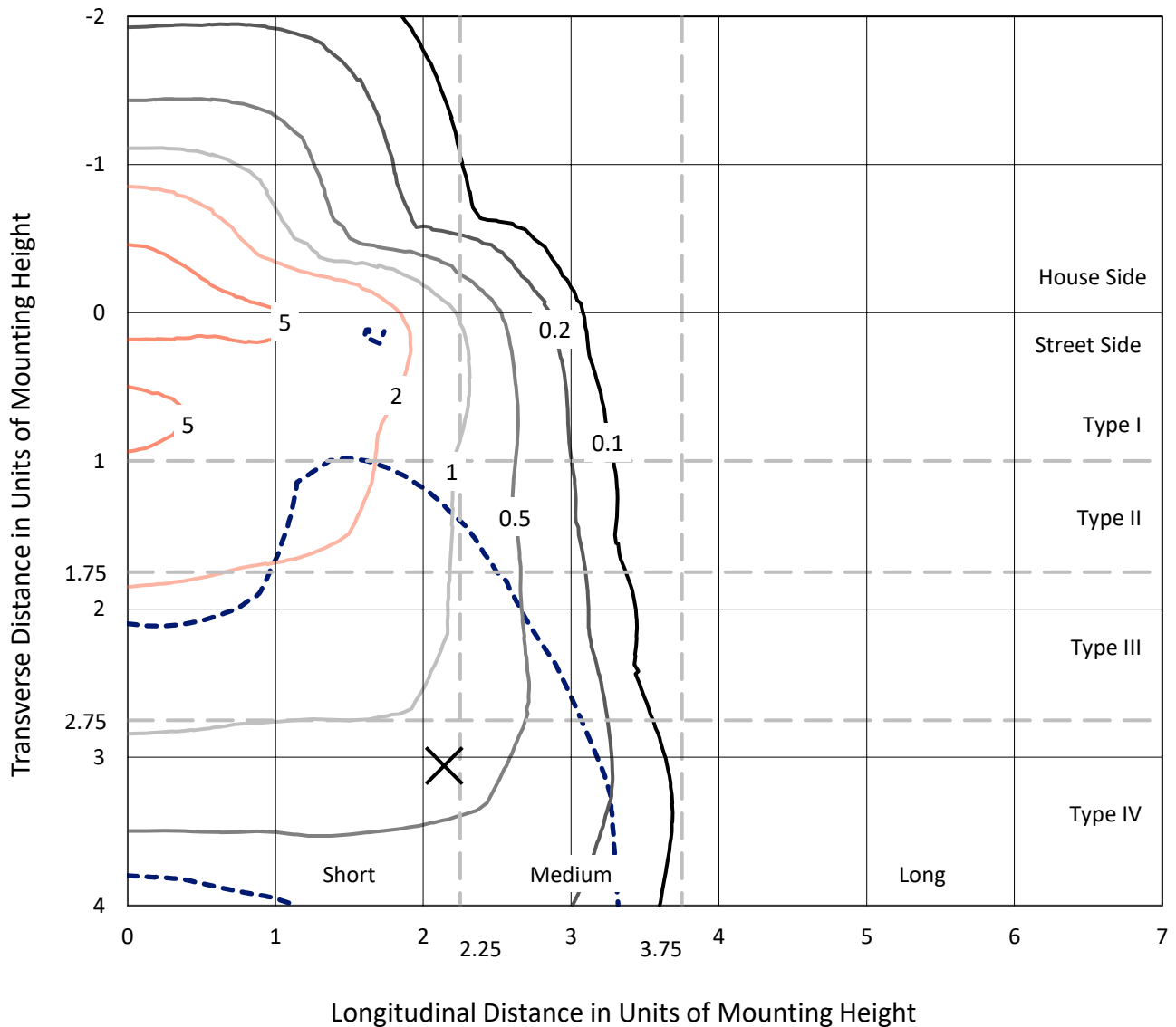
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

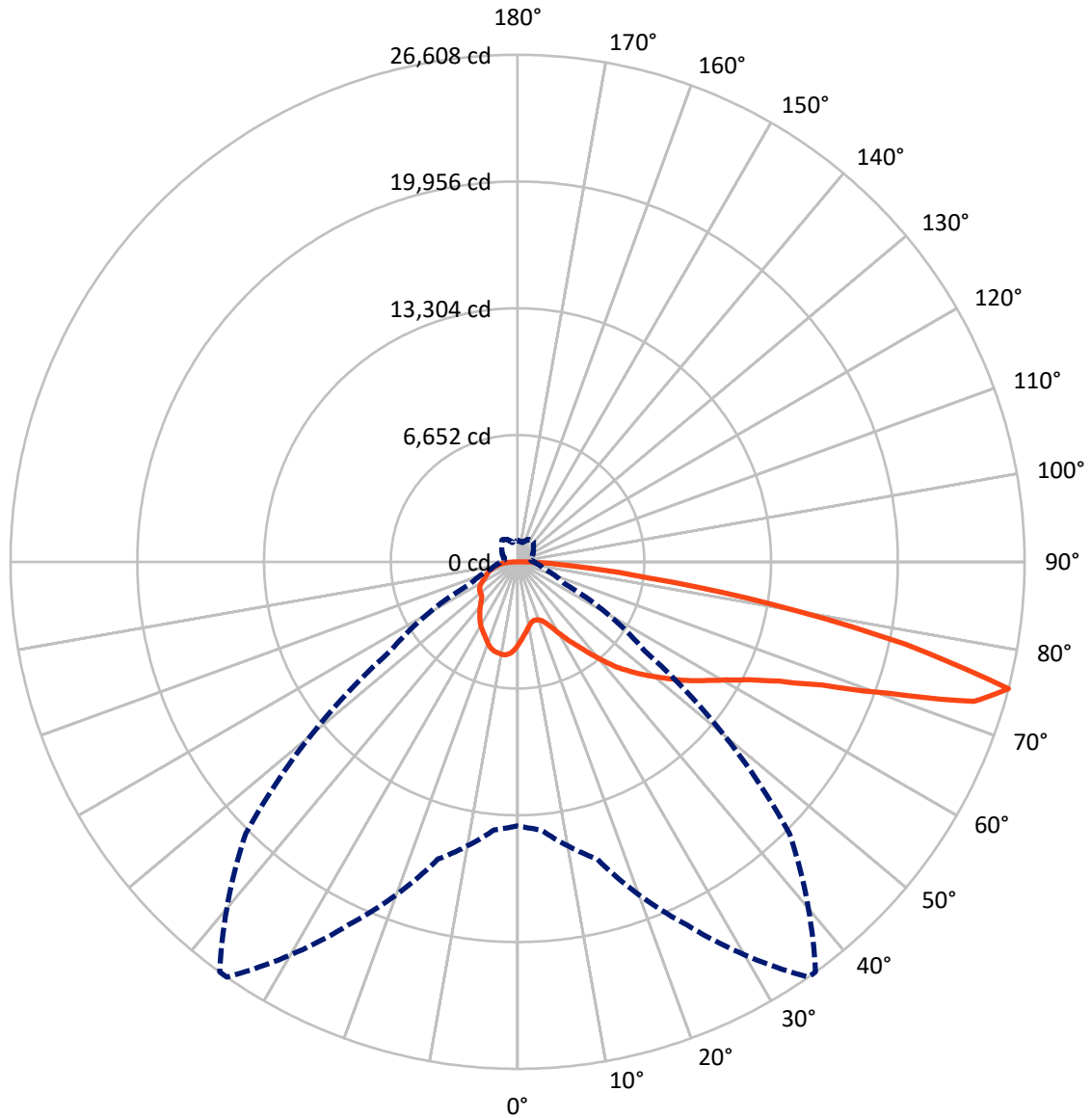
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7768.9 | 0.0 | 7768.9 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 24877.1 | 0.0 | 24877.1 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 32646.0 | 0.0 | 32646.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 411.9 | 1.3 |
| 10°-20° | 1188.1 | 3.6 |
| 20°-30° | 1995.1 | 6.1 |
| 30°-40° | 3100.6 | 9.5 |
| 40°-50° | 4602.1 | 14.1 |
| 50°-60° | 6353.5 | 19.5 |
| 60°-70° | 7708.2 | 23.6 |
| 70°-80° | 6370.3 | 19.5 |
| 80°-90° | 916.2 | 2.8 |
| 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° | 32646.0 | 100.0 |
| 0°-180° | 32646.0 | 100.0 |

Coefficient of Utilization

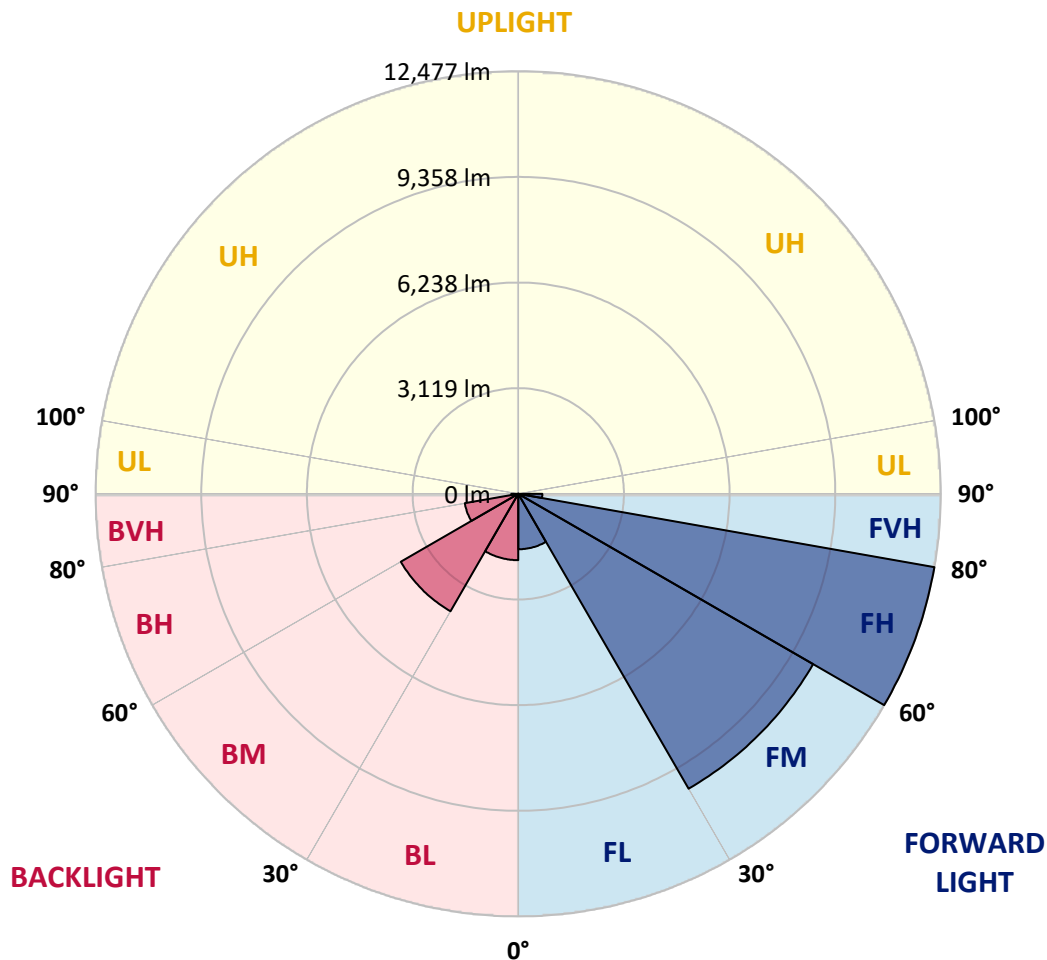


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1637.1 | 5.0 | | | |
| FM (30°-60°) | 10053.2 | 30.8 | | | |
| FH (60°-80°) | 12476.8 | 38.2 | | | G5 |
| FVH (80°-90°) | 709.9 | 2.2 | | | G4/750 |
| BL (0°-30°) | 1957.9 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 4003.0 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 1601.7 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 206.3 | 0.6 | | | G2/225 |
| 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° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 |
| 2.5° | 4011.5 | 4036.2 | 4046.7 | 4041.5 | 4067.9 | 4064.4 | 4101.5 | 4147.3 | 4210.9 | 4272.6 |
| 5° | 3702.6 | 3729.1 | 3752.0 | 3773.2 | 3824.4 | 3840.3 | 3898.5 | 3986.7 | 4103.2 | 4221.5 |
| 7.5° | 3414.9 | 3437.9 | 3473.2 | 3512.0 | 3598.5 | 3614.4 | 3711.4 | 3849.1 | 4011.5 | 4184.4 |
| 10° | 3180.2 | 3203.2 | 3240.2 | 3284.3 | 3392.0 | 3411.4 | 3534.9 | 3718.5 | 3930.3 | 4149.1 |
| 12.5° | 3079.6 | 3086.7 | 3107.9 | 3152.0 | 3245.5 | 3257.9 | 3393.8 | 3603.8 | 3850.9 | 4122.6 |
| 15° | 3074.3 | 3088.4 | 3090.2 | 3113.2 | 3190.8 | 3196.1 | 3321.4 | 3529.7 | 3801.4 | 4117.3 |
| 17.5° | 3127.3 | 3137.9 | 3122.0 | 3136.1 | 3201.4 | 3210.2 | 3309.1 | 3494.4 | 3785.6 | 4140.3 |
| 20° | 3268.5 | 3277.3 | 3229.6 | 3210.2 | 3257.9 | 3264.9 | 3362.0 | 3517.3 | 3801.4 | 4187.9 |
| 22.5° | 3568.5 | 3573.8 | 3457.3 | 3377.9 | 3381.4 | 3384.9 | 3469.7 | 3610.8 | 3863.2 | 4274.4 |
| 25° | 4036.2 | 4032.6 | 3847.3 | 3693.8 | 3605.5 | 3586.1 | 3642.6 | 3762.6 | 3967.3 | 4389.1 |
| 27.5° | 4583.3 | 4556.8 | 4371.5 | 4142.1 | 3949.7 | 3921.4 | 3909.1 | 3960.3 | 4115.6 | 4540.9 |
| 30° | 5200.9 | 5176.2 | 4976.8 | 4676.8 | 4410.3 | 4364.4 | 4247.9 | 4221.5 | 4336.2 | 4747.4 |
| 32.5° | 5878.6 | 5862.8 | 5624.5 | 5261.0 | 4904.5 | 4851.5 | 4655.6 | 4585.0 | 4675.0 | 5059.8 |
| 35° | 6446.9 | 6432.8 | 6235.1 | 5861.0 | 5425.1 | 5359.8 | 5160.4 | 5080.9 | 5126.8 | 5460.4 |
| 37.5° | 6960.5 | 6953.4 | 6784.0 | 6489.3 | 6039.2 | 5959.8 | 5735.7 | 5709.2 | 5700.4 | 5988.1 |
| 40° | 7437.0 | 7419.3 | 7242.9 | 7087.5 | 6754.0 | 6681.6 | 6484.0 | 6461.0 | 6394.0 | 6637.5 |
| 42.5° | 7964.7 | 7918.8 | 7662.9 | 7590.5 | 7500.5 | 7440.5 | 7322.3 | 7325.8 | 7177.6 | 7369.9 |
| 45° | 8395.3 | 8368.8 | 8105.9 | 8063.5 | 8160.6 | 8135.9 | 8238.2 | 8264.7 | 7977.0 | 8137.6 |
| 47.5° | 8857.7 | 8833.0 | 8610.6 | 8580.6 | 8843.6 | 8850.6 | 9212.4 | 9221.2 | 8757.1 | 8935.3 |
| 50° | 9427.7 | 9392.4 | 9171.8 | 9208.9 | 9503.6 | 9530.1 | 10191.9 | 10131.9 | 9475.4 | 9745.4 |
| 52.5° | 9803.6 | 9824.8 | 9777.1 | 9837.1 | 10239.5 | 10264.2 | 11155.5 | 11001.9 | 10186.6 | 10544.8 |
| 55° | 10080.7 | 10123.1 | 10271.3 | 10409.0 | 11016.1 | 11040.8 | 12064.4 | 11829.6 | 10776.0 | 11286.1 |
| 57.5° | 10437.2 | 10377.2 | 10654.3 | 10922.5 | 11753.8 | 11819.1 | 12948.5 | 12627.3 | 11298.4 | 11924.9 |
| 60° | 10949.0 | 10906.6 | 11121.9 | 11519.0 | 12579.7 | 12683.8 | 13883.9 | 13345.6 | 11681.4 | 12431.4 |
| 62.5° | 11986.7 | 11880.8 | 11914.4 | 12265.6 | 13620.9 | 13758.6 | 14939.3 | 13972.1 | 11872.0 | 12629.1 |
| 65° | 13538.0 | 13356.2 | 13186.8 | 13430.3 | 15087.5 | 15223.4 | 16130.5 | 14464.5 | 11801.4 | 12246.1 |
| 67.5° | 15491.7 | 15311.6 | 15103.4 | 15332.8 | 17247.7 | 17355.3 | 17600.6 | 14741.6 | 11245.5 | 10770.7 |
| 70° | 17102.9 | 17035.9 | 17284.7 | 18228.9 | 20697.9 | 20701.4 | 19485.5 | 14512.2 | 9722.4 | 7636.4 |
| 72.5° | 16889.4 | 16848.8 | 18160.1 | 21079.1 | 25046.4 | 24952.9 | 21269.7 | 12775.6 | 6549.3 | 3444.9 |
| 75° | 13855.7 | 14118.6 | 16149.9 | 21027.9 | 26608.3 | 26596.0 | 20177.3 | 8121.7 | 2709.0 | 1427.7 |
| 77.5° | 7429.9 | 7846.4 | 10484.8 | 15525.2 | 20772.0 | 21084.4 | 14185.7 | 2841.4 | 1163.0 | 914.2 |
| 80° | 2423.1 | 2786.7 | 4179.1 | 7904.7 | 13497.4 | 13439.2 | 6079.8 | 1115.4 | 795.9 | 647.7 |
| 82.5° | 1028.9 | 1071.3 | 1867.2 | 3732.6 | 6926.9 | 6819.3 | 1936.0 | 640.6 | 559.5 | 443.0 |
| 85° | 402.4 | 450.0 | 824.2 | 1726.0 | 3000.2 | 2934.9 | 698.9 | 317.7 | 358.3 | 289.4 |
| 87.5° | 132.4 | 160.6 | 294.7 | 591.2 | 933.6 | 900.1 | 171.2 | 109.4 | 155.3 | 132.4 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4350.3 | 0° | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 | 4350.3 |
| 4362.7 | 2.5° | 4387.4 | 4415.6 | 4449.1 | 4498.5 | 4540.9 | 4576.2 | 4613.3 | 4636.2 | 4645.0 | 4671.5 |
| 4369.7 | 5° | 4419.1 | 4480.9 | 4563.8 | 4645.0 | 4724.4 | 4772.1 | 4814.5 | 4835.6 | 4855.0 | 4869.2 |
| 4389.1 | 7.5° | 4472.1 | 4551.5 | 4682.1 | 4788.0 | 4855.0 | 4893.9 | 4922.1 | 4915.0 | 4922.1 | 4925.6 |
| 4410.3 | 10° | 4518.0 | 4629.1 | 4784.4 | 4885.0 | 4936.2 | 4938.0 | 4930.9 | 4906.2 | 4893.9 | 4895.6 |
| 4442.1 | 12.5° | 4572.7 | 4696.2 | 4863.9 | 4948.6 | 4962.7 | 4923.9 | 4893.9 | 4851.5 | 4835.6 | 4828.6 |
| 4489.7 | 15° | 4646.8 | 4788.0 | 4950.3 | 4982.1 | 4946.8 | 4897.4 | 4846.2 | 4777.4 | 4742.1 | 4713.9 |
| 4570.9 | 17.5° | 4736.8 | 4892.1 | 5017.4 | 4994.5 | 4918.6 | 4837.4 | 4754.4 | 4650.3 | 4578.0 | 4548.0 |
| 4682.1 | 20° | 4862.1 | 5001.5 | 5068.6 | 4968.0 | 4853.3 | 4729.7 | 4588.6 | 4461.5 | 4394.4 | 4364.4 |
| 4823.3 | 22.5° | 5013.9 | 5148.0 | 5118.0 | 4922.1 | 4759.7 | 4562.1 | 4385.6 | 4292.1 | 4258.5 | 4237.4 |
| 5005.1 | 25° | 5195.7 | 5310.4 | 5153.3 | 4855.0 | 4606.2 | 4339.7 | 4203.8 | 4173.8 | 4157.9 | 4142.1 |
| 5227.4 | 27.5° | 5432.1 | 5493.9 | 5179.8 | 4756.2 | 4366.2 | 4103.2 | 4053.8 | 4059.1 | 4053.8 | 4027.3 |
| 5536.3 | 30° | 5744.5 | 5732.2 | 5204.5 | 4595.6 | 4090.9 | 3889.7 | 3893.2 | 3916.2 | 3919.7 | 3902.0 |
| 5966.9 | 32.5° | 6155.7 | 6030.4 | 5216.8 | 4387.4 | 3827.9 | 3702.6 | 3706.1 | 3730.8 | 3748.5 | 3718.5 |
| 6529.9 | 35° | 6653.4 | 6378.1 | 5197.4 | 4126.2 | 3625.0 | 3524.4 | 3497.9 | 3504.9 | 3510.2 | 3482.0 |
| 7212.9 | 37.5° | 7234.0 | 6768.1 | 5110.9 | 3836.7 | 3457.3 | 3349.6 | 3293.2 | 3245.5 | 3217.3 | 3190.8 |
| 7985.8 | 40° | 7871.1 | 7193.4 | 4952.1 | 3554.4 | 3270.2 | 3164.3 | 3079.6 | 2989.6 | 2894.3 | 2859.0 |
| 8804.7 | 42.5° | 8538.2 | 7631.1 | 4759.7 | 3284.3 | 3054.9 | 2968.4 | 2878.4 | 2747.8 | 2604.9 | 2532.5 |
| 9655.4 | 45° | 9230.0 | 8079.4 | 4570.9 | 3017.9 | 2834.3 | 2797.3 | 2693.1 | 2536.1 | 2380.8 | 2289.0 |
| 10507.8 | 47.5° | 9907.7 | 8502.9 | 4293.8 | 2749.6 | 2627.8 | 2668.4 | 2587.2 | 2442.5 | 2269.6 | 2124.9 |
| 11353.1 | 50° | 10555.4 | 8900.0 | 3840.3 | 2477.8 | 2460.2 | 2629.6 | 2551.9 | 2343.7 | 2146.0 | 1960.7 |
| 12182.6 | 52.5° | 11197.8 | 9221.2 | 3259.6 | 2230.7 | 2370.2 | 2619.0 | 2506.1 | 2276.6 | 2034.8 | 1840.7 |
| 12962.7 | 55° | 11743.2 | 9387.1 | 2700.2 | 2019.0 | 2239.6 | 2529.0 | 2451.3 | 2197.2 | 1877.8 | 1671.3 |
| 13497.4 | 57.5° | 12053.8 | 9253.0 | 2234.3 | 1810.7 | 2059.6 | 2380.8 | 2357.8 | 2027.8 | 1690.7 | 1531.9 |
| 13601.5 | 60° | 11919.6 | 8709.4 | 1853.1 | 1628.9 | 1888.4 | 2220.2 | 2195.4 | 1860.1 | 1547.8 | 1397.7 |
| 13043.8 | 62.5° | 11180.2 | 7673.5 | 1551.3 | 1470.1 | 1733.1 | 2056.0 | 2033.1 | 1731.3 | 1438.3 | 1293.6 |
| 11563.2 | 65° | 9690.7 | 6242.2 | 1316.6 | 1337.7 | 1576.0 | 1858.4 | 1891.9 | 1623.6 | 1351.9 | 1210.7 |
| 8945.9 | 67.5° | 7391.1 | 4521.5 | 1133.0 | 1223.0 | 1422.5 | 1664.2 | 1761.3 | 1546.0 | 1279.5 | 1145.4 |
| 5176.2 | 70° | 4212.6 | 2567.8 | 977.7 | 1111.8 | 1286.6 | 1484.2 | 1660.7 | 1484.2 | 1201.8 | 1090.7 |
| 1939.5 | 72.5° | 1597.2 | 1178.9 | 845.4 | 1000.7 | 1156.0 | 1332.4 | 1549.5 | 1387.2 | 1111.8 | 1028.9 |
| 1002.4 | 75° | 852.4 | 718.3 | 711.2 | 870.1 | 1006.0 | 1184.2 | 1410.1 | 1291.9 | 1044.8 | 1087.1 |
| 693.6 | 77.5° | 580.6 | 508.3 | 594.7 | 744.8 | 841.8 | 1020.1 | 1261.9 | 1147.1 | 905.4 | 901.8 |
| 480.0 | 80° | 402.4 | 360.0 | 483.6 | 600.0 | 651.2 | 857.7 | 1101.3 | 984.8 | 737.7 | 688.3 |
| 296.5 | 82.5° | 241.8 | 234.7 | 361.8 | 448.3 | 460.6 | 661.8 | 912.4 | 825.9 | 603.6 | 525.9 |
| 176.5 | 85° | 132.4 | 139.4 | 231.2 | 263.0 | 268.3 | 462.4 | 714.8 | 638.9 | 464.1 | 390.0 |
| 63.5 | 87.5° | 37.1 | 47.7 | 84.7 | 104.1 | 128.8 | 240.0 | 425.3 | 379.4 | 233.0 | 162.4 |
| 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° |
|--------|
| 4350.3 |
| 4669.7 |
| 4872.7 |
| 4930.9 |
| 4899.2 |
| 4825.0 |
| 4722.7 |
| 4549.7 |
| 4360.9 |
| 4240.9 |
| 4142.1 |
| 4032.6 |
| 3910.9 |
| 3732.6 |
| 3501.4 |
| 3208.5 |
| 2874.9 |
| 2541.4 |
| 2281.9 |
| 2109.0 |
| 1944.8 |
| 1819.5 |
| 1653.6 |
| 1510.7 |
| 1376.6 |
| 1270.7 |
| 1187.7 |
| 1124.2 |
| 1076.5 |
| 1014.8 |
| 1122.4 |
| 831.2 |
| 658.3 |
| 529.4 |
| 393.6 |
| 162.4 |
| 0.0 |

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