

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: P850758

Luminaire Tested: **GLAN-SB8B-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30740 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

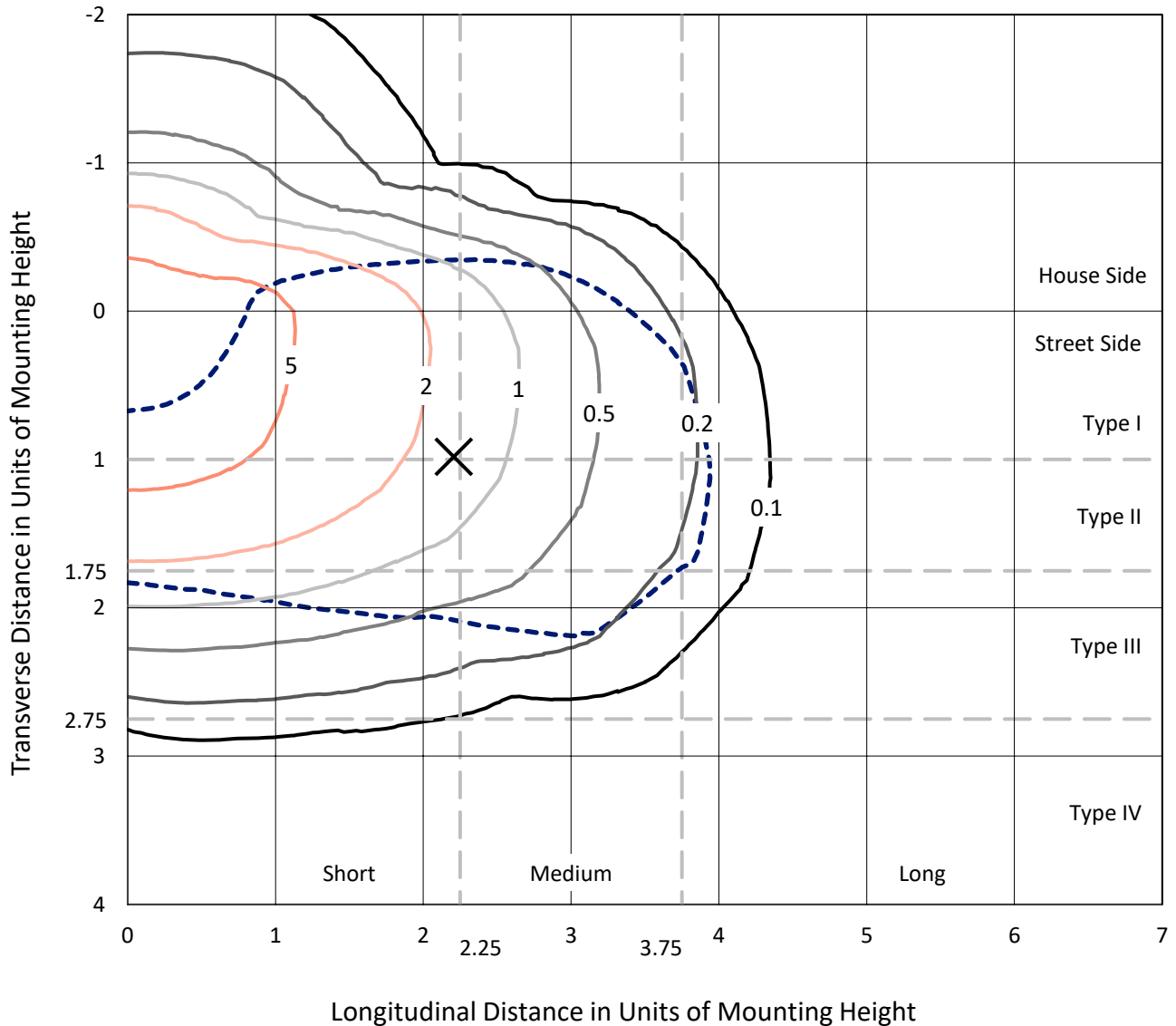
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

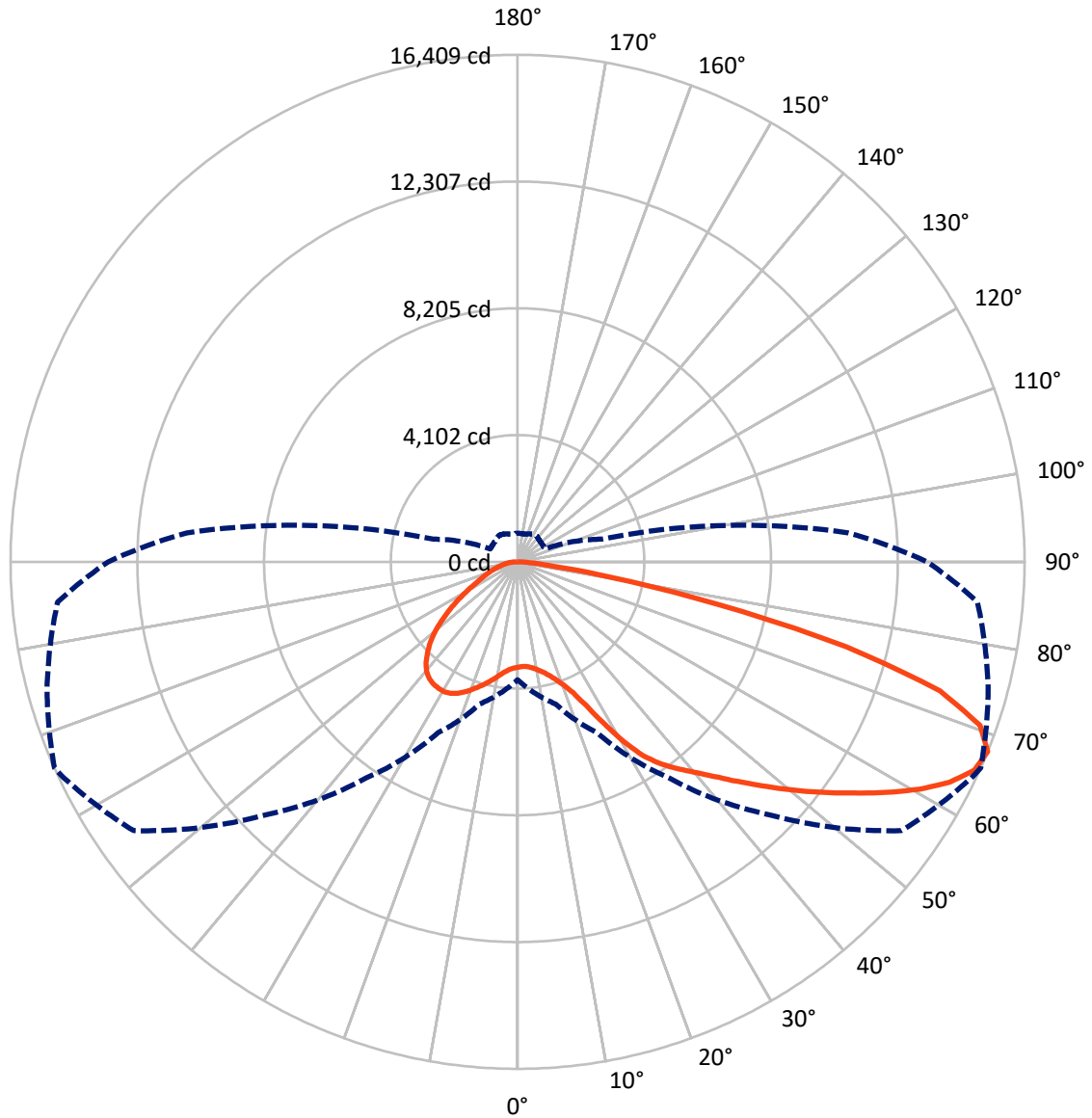
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7643.4 | 0.0 | 7643.4 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 23096.6 | 0.0 | 23096.6 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 30740.0 | 0.0 | 30740.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 338.0 | 1.1 |
| 10°-20° | 1116.8 | 3.6 |
| 20°-30° | 2152.6 | 7.0 |
| 30°-40° | 3774.3 | 12.3 |
| 40°-50° | 5611.2 | 18.3 |
| 50°-60° | 7112.7 | 23.1 |
| 60°-70° | 6959.6 | 22.6 |
| 70°-80° | 3319.8 | 10.8 |
| 80°-90° | 354.8 | 1.2 |
| 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° | 30740.0 | 100.0 |
| 0°-180° | 30740.0 | 100.0 |

Coefficient of Utilization

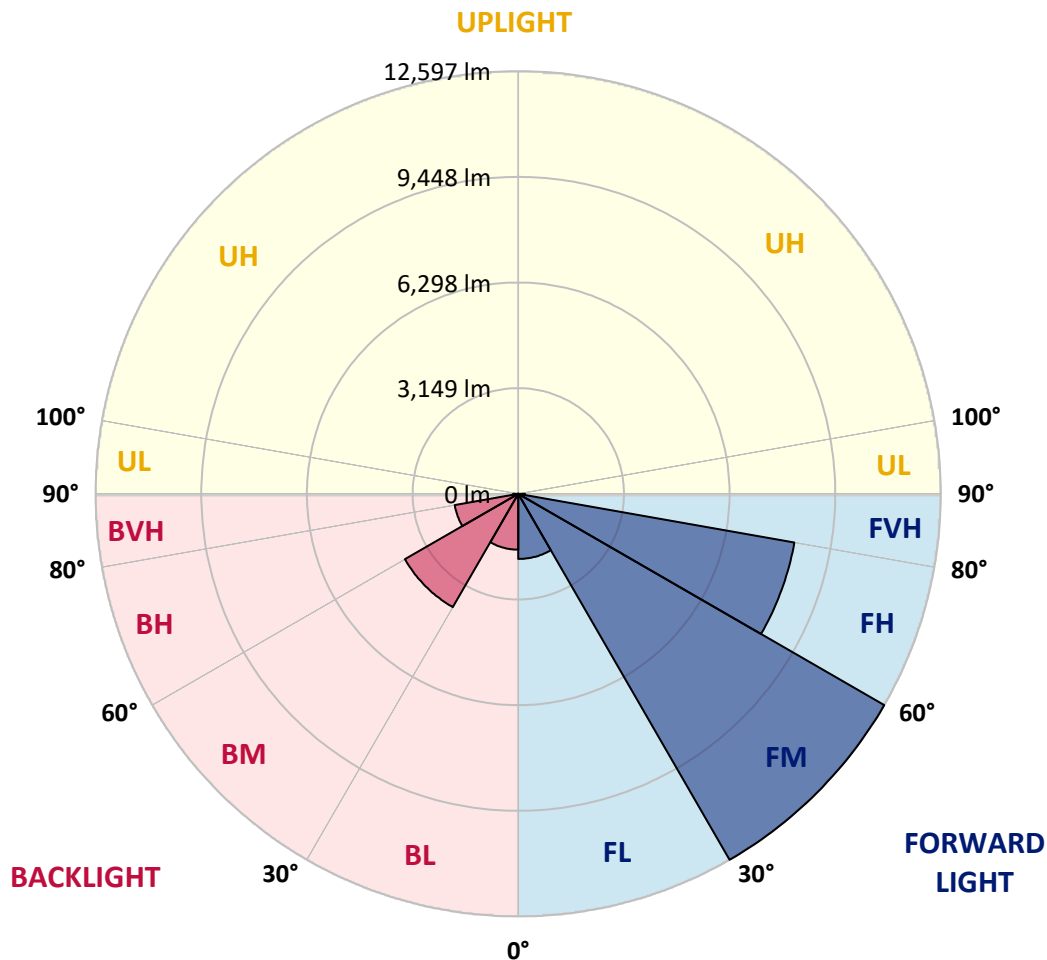


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1942.5 | 6.3 | | | |
| FM (30°-60°) | 12597.0 | 41.0 | | | |
| FH (60°-80°) | 8356.0 | 27.2 | | | G4/12000 |
| FVH (80°-90°) | 201.2 | 0.7 | | | G2/225 |
| BL (0°-30°) | 1665.0 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 3901.3 | 12.7 | B3/5000 | | |
| BH (60°-80°) | 1923.5 | 6.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 153.6 | 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 III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 |
| 2.5° | 3373.9 | 3393.3 | 3388.5 | 3380.4 | 3378.8 | 3382.0 | 3386.9 | 3391.7 | 3390.1 | 3398.2 |
| 5° | 3364.2 | 3383.6 | 3382.0 | 3382.0 | 3388.5 | 3401.4 | 3409.5 | 3417.5 | 3409.5 | 3419.2 |
| 7.5° | 3370.7 | 3385.2 | 3391.7 | 3398.2 | 3414.3 | 3438.5 | 3457.9 | 3475.7 | 3466.0 | 3477.3 |
| 10° | 3453.1 | 3464.4 | 3470.8 | 3470.8 | 3482.2 | 3509.6 | 3529.0 | 3561.3 | 3553.2 | 3571.0 |
| 12.5° | 3603.3 | 3614.6 | 3614.6 | 3608.1 | 3616.2 | 3634.0 | 3640.4 | 3676.0 | 3661.4 | 3690.5 |
| 15° | 3787.4 | 3810.0 | 3792.3 | 3780.9 | 3784.2 | 3801.9 | 3800.3 | 3827.8 | 3813.2 | 3837.5 |
| 17.5° | 3990.9 | 4020.0 | 3990.9 | 3989.3 | 3982.8 | 4002.2 | 4003.8 | 4028.1 | 4002.2 | 4020.0 |
| 20° | 4231.6 | 4271.9 | 4247.7 | 4255.8 | 4241.2 | 4249.3 | 4257.4 | 4292.9 | 4252.6 | 4265.5 |
| 22.5° | 4570.7 | 4619.2 | 4593.3 | 4624.0 | 4614.3 | 4607.9 | 4606.3 | 4669.2 | 4606.3 | 4611.1 |
| 25° | 5064.9 | 5123.1 | 5077.9 | 5119.9 | 5119.9 | 5140.9 | 5165.1 | 5245.8 | 5140.9 | 5110.2 |
| 27.5° | 5795.0 | 5853.1 | 5764.3 | 5790.1 | 5782.1 | 5833.7 | 5807.9 | 6008.2 | 5895.1 | 5845.0 |
| 30° | 6673.6 | 6777.0 | 6609.0 | 6602.5 | 6594.4 | 6676.8 | 6714.0 | 6846.4 | 6731.7 | 6681.7 |
| 32.5° | 7623.3 | 7731.5 | 7531.2 | 7473.1 | 7442.4 | 7492.4 | 7461.8 | 7568.4 | 7489.2 | 7411.7 |
| 35° | 8627.9 | 8734.5 | 8543.9 | 8430.8 | 8308.1 | 8203.1 | 8093.3 | 8120.7 | 8046.4 | 7928.5 |
| 37.5° | 9577.5 | 9773.0 | 9571.1 | 9449.9 | 9223.8 | 9018.7 | 8711.8 | 8584.2 | 8514.8 | 8406.6 |
| 40° | 10545.0 | 10656.4 | 10503.0 | 10399.6 | 10154.1 | 9832.7 | 9341.7 | 9072.0 | 8978.3 | 8873.3 |
| 42.5° | 11257.2 | 11363.8 | 11281.5 | 11210.4 | 11018.2 | 10645.1 | 10010.4 | 9672.8 | 9537.2 | 9419.3 |
| 45° | 11822.5 | 11901.7 | 11850.0 | 11875.8 | 11793.4 | 11431.7 | 10703.3 | 10317.2 | 10176.7 | 10033.0 |
| 47.5° | 12050.2 | 12134.2 | 12216.6 | 12370.0 | 12510.6 | 12244.1 | 11447.8 | 11015.0 | 10866.4 | 10719.4 |
| 50° | 12024.4 | 12110.0 | 12349.0 | 12675.3 | 13111.4 | 13022.5 | 12232.8 | 11757.9 | 11620.6 | 11452.7 |
| 52.5° | 11817.7 | 11914.6 | 12221.4 | 12764.1 | 13458.6 | 13605.6 | 13032.2 | 12525.1 | 12395.9 | 12195.6 |
| 55° | 11275.0 | 11333.1 | 11793.4 | 12562.2 | 13541.0 | 14012.6 | 13815.5 | 13342.3 | 13213.1 | 12933.7 |
| 57.5° | 10268.8 | 10352.8 | 11023.0 | 12017.9 | 13334.3 | 14288.8 | 14503.6 | 14201.6 | 14077.2 | 13675.0 |
| 60° | 8955.7 | 9089.8 | 9856.9 | 11103.8 | 12807.7 | 14287.2 | 15128.6 | 15046.3 | 14942.9 | 14405.1 |
| 62.5° | 7469.8 | 7624.9 | 8363.0 | 9811.7 | 11887.1 | 13881.8 | 15519.5 | 15753.7 | 15700.4 | 15078.6 |
| 65° | 5736.8 | 5843.4 | 6578.3 | 8140.1 | 10454.5 | 13011.2 | 15564.7 | 16236.6 | 16246.3 | 15590.5 |
| 67.5° | 3819.7 | 4126.6 | 4764.5 | 6108.3 | 8535.8 | 11588.3 | 15167.4 | 16315.7 | 16409.4 | 15766.6 |
| 70° | 1863.8 | 2267.6 | 2892.6 | 3969.9 | 6108.3 | 9406.3 | 14128.9 | 15666.5 | 15874.8 | 15253.0 |
| 72.5° | 773.6 | 904.5 | 1245.2 | 1959.1 | 3506.4 | 6347.3 | 12042.2 | 13906.0 | 14292.0 | 13515.1 |
| 75° | 521.7 | 565.3 | 712.3 | 1004.6 | 1597.3 | 3130.1 | 8684.4 | 10368.9 | 10990.7 | 10207.4 |
| 77.5° | 402.2 | 429.6 | 518.4 | 702.6 | 949.7 | 1183.9 | 4648.3 | 6248.8 | 6570.2 | 6082.5 |
| 80° | 316.6 | 337.6 | 387.6 | 512.0 | 673.5 | 633.1 | 1584.4 | 2831.3 | 3017.0 | 2530.9 |
| 82.5° | 274.6 | 282.6 | 277.8 | 347.2 | 447.4 | 369.9 | 520.1 | 1045.0 | 1153.2 | 836.6 |
| 85° | 198.7 | 221.3 | 231.0 | 214.8 | 237.4 | 187.4 | 213.2 | 369.9 | 407.0 | 363.4 |
| 87.5° | 80.8 | 119.5 | 147.0 | 138.9 | 87.2 | 53.3 | 66.2 | 108.2 | 124.4 | 135.7 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3409.5 | 0° | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 | 3409.5 |
| 3411.1 | 2.5° | 3412.7 | 3424.0 | 3432.1 | 3441.8 | 3448.2 | 3457.9 | 3477.3 | 3488.6 | 3490.2 | 3498.3 |
| 3436.9 | 5° | 3443.4 | 3459.5 | 3477.3 | 3503.1 | 3532.2 | 3556.4 | 3593.6 | 3619.4 | 3629.1 | 3637.2 |
| 3499.9 | 7.5° | 3509.6 | 3532.2 | 3564.5 | 3609.7 | 3651.7 | 3684.0 | 3729.3 | 3759.9 | 3790.6 | 3801.9 |
| 3600.1 | 10° | 3608.1 | 3640.4 | 3687.3 | 3748.6 | 3793.9 | 3835.9 | 3882.7 | 3908.5 | 3939.2 | 3952.1 |
| 3719.6 | 12.5° | 3730.9 | 3764.8 | 3826.2 | 3911.8 | 3953.8 | 3982.8 | 3999.0 | 3992.5 | 3999.0 | 4010.3 |
| 3863.3 | 15° | 3871.4 | 3908.5 | 3978.0 | 4070.0 | 4099.1 | 4073.3 | 4037.7 | 4005.4 | 4000.6 | 4003.8 |
| 4037.7 | 17.5° | 4037.7 | 4065.2 | 4146.0 | 4223.5 | 4202.5 | 4095.9 | 4018.4 | 3966.7 | 3940.8 | 3932.8 |
| 4260.6 | 20° | 4270.3 | 4270.3 | 4336.5 | 4385.0 | 4244.5 | 4063.6 | 3942.5 | 3858.5 | 3805.2 | 3782.6 |
| 4564.3 | 22.5° | 4553.0 | 4527.1 | 4569.1 | 4535.2 | 4236.4 | 3973.1 | 3805.2 | 3659.8 | 3579.1 | 3546.8 |
| 4989.0 | 25° | 4911.5 | 4880.8 | 4869.5 | 4659.6 | 4178.3 | 3829.4 | 3556.4 | 3380.4 | 3309.3 | 3291.6 |
| 5601.2 | 27.5° | 5452.6 | 5375.0 | 5228.1 | 4727.4 | 4071.7 | 3603.3 | 3265.7 | 3102.6 | 3062.2 | 3063.8 |
| 6387.7 | 30° | 6172.9 | 6017.9 | 5657.7 | 4738.7 | 3897.2 | 3283.5 | 2968.6 | 2852.3 | 2832.9 | 2841.0 |
| 7048.3 | 32.5° | 6839.9 | 6693.0 | 6097.0 | 4687.0 | 3629.1 | 2970.2 | 2702.1 | 2624.5 | 2595.5 | 2605.2 |
| 7552.2 | 35° | 7363.2 | 7322.9 | 6504.0 | 4614.3 | 3299.6 | 2676.2 | 2463.0 | 2396.8 | 2340.3 | 2327.4 |
| 8027.0 | 37.5° | 7857.5 | 7841.3 | 6809.3 | 4512.6 | 2973.4 | 2467.9 | 2270.8 | 2183.6 | 2101.2 | 2056.0 |
| 8551.9 | 40° | 8400.1 | 8384.0 | 7009.5 | 4355.9 | 2684.3 | 2287.0 | 2098.0 | 1983.3 | 1881.6 | 1799.2 |
| 9146.3 | 42.5° | 9010.6 | 8915.3 | 7104.8 | 4131.4 | 2438.8 | 2133.5 | 1957.5 | 1802.4 | 1668.4 | 1592.5 |
| 9818.2 | 45° | 9677.7 | 9462.9 | 7103.2 | 3845.5 | 2232.1 | 1993.0 | 1807.3 | 1587.6 | 1463.3 | 1392.2 |
| 10507.8 | 47.5° | 10385.1 | 9986.2 | 7016.0 | 3529.0 | 2031.8 | 1838.0 | 1574.7 | 1406.8 | 1324.4 | 1280.8 |
| 11257.2 | 50° | 11115.1 | 10475.5 | 6867.4 | 3165.6 | 1826.7 | 1661.9 | 1429.4 | 1314.7 | 1251.7 | 1211.3 |
| 12000.2 | 52.5° | 11801.5 | 10919.7 | 6688.1 | 2753.7 | 1618.3 | 1490.7 | 1364.8 | 1275.9 | 1209.7 | 1164.5 |
| 12720.5 | 55° | 12439.5 | 11302.5 | 6434.6 | 2332.2 | 1448.7 | 1376.1 | 1334.1 | 1259.8 | 1183.9 | 1130.6 |
| 13452.2 | 57.5° | 13006.4 | 11551.2 | 5996.9 | 1936.5 | 1327.6 | 1296.9 | 1301.8 | 1232.3 | 1145.1 | 1099.9 |
| 14172.5 | 60° | 13478.0 | 11733.7 | 5349.2 | 1569.9 | 1229.1 | 1219.4 | 1251.7 | 1180.6 | 1078.9 | 1027.2 |
| 14781.4 | 62.5° | 13760.6 | 11730.5 | 4554.6 | 1285.6 | 1145.1 | 1148.3 | 1185.5 | 1116.0 | 1012.7 | 964.2 |
| 15099.6 | 65° | 13736.4 | 11443.0 | 3682.4 | 1099.9 | 1064.3 | 1067.6 | 1116.0 | 1045.0 | 957.8 | 928.7 |
| 14939.7 | 67.5° | 13250.3 | 10742.0 | 2824.8 | 978.7 | 975.5 | 990.1 | 1046.6 | 996.5 | 923.8 | 920.6 |
| 13986.8 | 70° | 11934.0 | 9286.8 | 2035.0 | 881.8 | 883.5 | 904.5 | 978.7 | 965.8 | 906.1 | 912.5 |
| 11759.5 | 72.5° | 9569.5 | 7080.6 | 1366.4 | 780.1 | 781.7 | 815.6 | 914.1 | 941.6 | 888.3 | 973.9 |
| 8343.6 | 75° | 6373.2 | 4415.7 | 878.6 | 671.9 | 673.5 | 717.1 | 857.6 | 894.8 | 839.9 | 970.7 |
| 4341.4 | 77.5° | 3062.2 | 1985.0 | 636.3 | 565.3 | 565.3 | 605.7 | 741.3 | 801.1 | 715.5 | 754.3 |
| 1395.4 | 80° | 1057.9 | 746.2 | 500.7 | 455.5 | 445.8 | 473.2 | 625.0 | 694.5 | 617.0 | 568.5 |
| 455.5 | 82.5° | 416.7 | 387.6 | 402.2 | 353.7 | 321.4 | 339.2 | 486.1 | 573.4 | 453.8 | 410.2 |
| 256.8 | 85° | 239.0 | 252.0 | 284.3 | 234.2 | 185.7 | 208.3 | 356.9 | 411.9 | 342.4 | 302.0 |
| 84.0 | 87.5° | 64.6 | 88.8 | 130.8 | 121.1 | 84.0 | 88.8 | 169.6 | 227.7 | 197.0 | 151.8 |
| 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° |
|--------|
| 3409.5 |
| 3496.7 |
| 3635.6 |
| 3803.6 |
| 3958.6 |
| 4013.5 |
| 4015.1 |
| 3944.1 |
| 3777.7 |
| 3541.9 |
| 3294.8 |
| 3068.7 |
| 2868.4 |
| 2618.1 |
| 2337.0 |
| 2057.6 |
| 1807.3 |
| 1597.3 |
| 1389.0 |
| 1271.1 |
| 1196.8 |
| 1145.1 |
| 1109.6 |
| 1070.8 |
| 1004.6 |
| 949.7 |
| 927.1 |
| 925.5 |
| 910.9 |
| 986.8 |
| 978.7 |
| 691.3 |
| 533.0 |
| 408.6 |
| 308.5 |
| 156.7 |
| 0.0 |

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