

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: P852789

Luminaire Tested: **GLAN-SB6B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852789
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-SB6B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22769 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

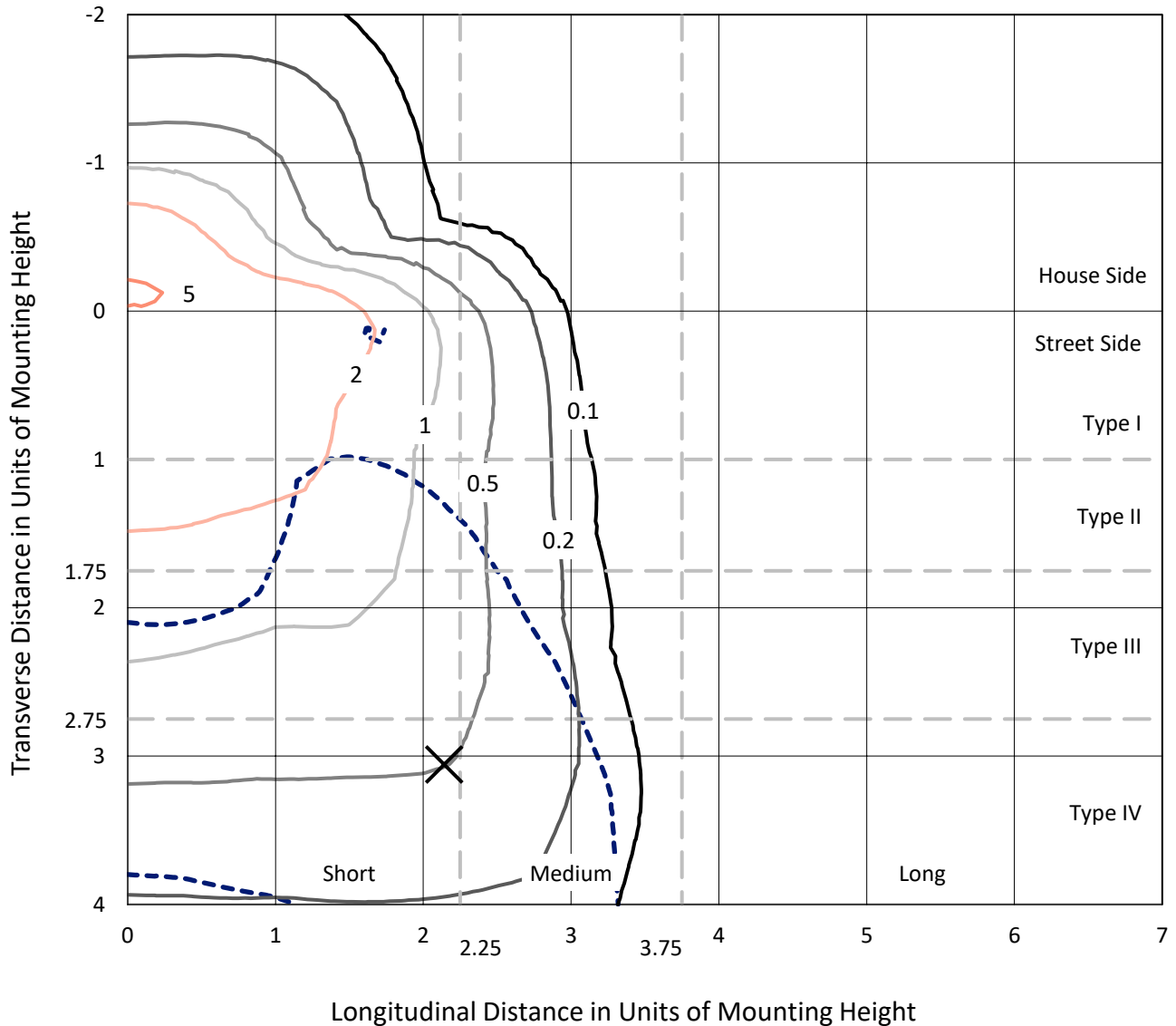
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

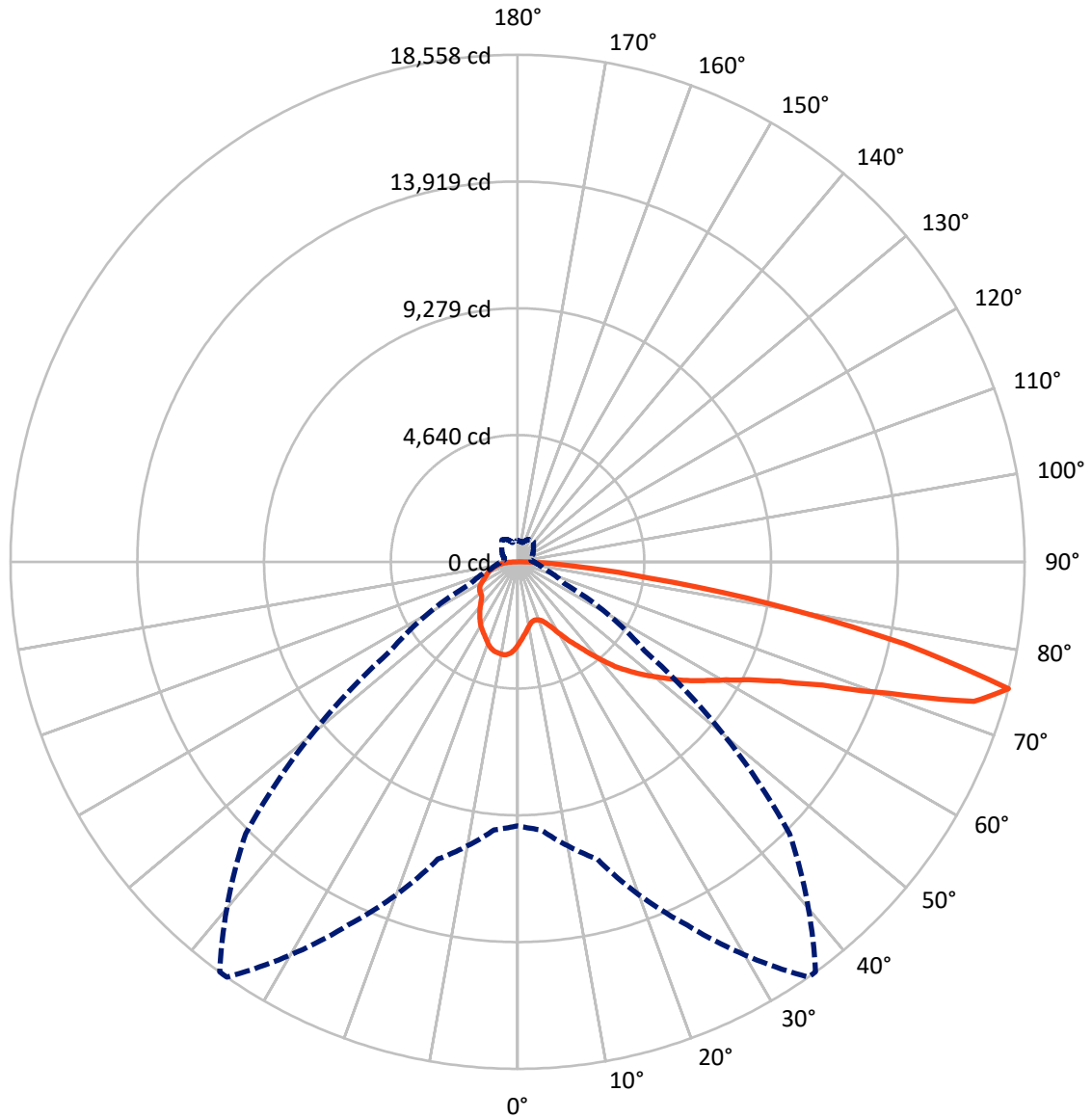
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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 | 5418.4 | 0.0 | 5418.4 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 17350.5 | 0.0 | 17350.5 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 22769.0 | 0.0 | 22769.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 287.3 | 1.3 |
| 10°-20° | 828.6 | 3.6 |
| 20°-30° | 1391.5 | 6.1 |
| 30°-40° | 2162.5 | 9.5 |
| 40°-50° | 3209.8 | 14.1 |
| 50°-60° | 4431.3 | 19.5 |
| 60°-70° | 5376.1 | 23.6 |
| 70°-80° | 4443.0 | 19.5 |
| 80°-90° | 639.0 | 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° | 22769.0 | 100.0 |
| 0°-180° | 22769.0 | 100.0 |

Coefficient of Utilization

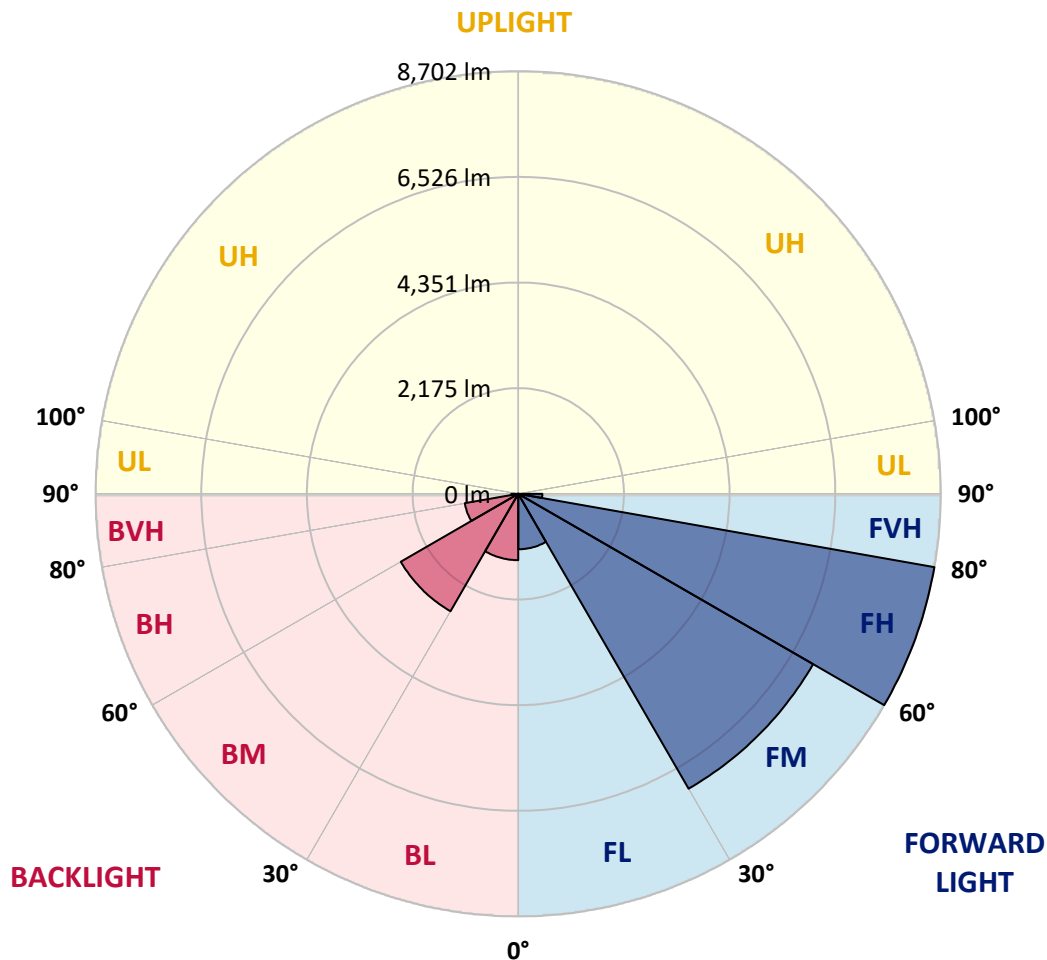


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1141.8 | 5.0 | | | |
| FM (30°-60°) | 7011.6 | 30.8 | | | |
| FH (60°-80°) | 8702.0 | 38.2 | | | G4/12000 |
| FVH (80°-90°) | 495.1 | 2.2 | | | G3/500 |
| BL (0°-30°) | 1365.5 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 2791.9 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 1117.1 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 143.9 | 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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 |
| 2.5° | 2797.8 | 2815.0 | 2822.4 | 2818.7 | 2837.2 | 2834.7 | 2860.6 | 2892.6 | 2936.9 | 2980.0 |
| 5° | 2582.4 | 2600.9 | 2616.9 | 2631.6 | 2667.3 | 2678.4 | 2719.0 | 2780.6 | 2861.8 | 2944.3 |
| 7.5° | 2381.8 | 2397.8 | 2422.4 | 2449.5 | 2509.8 | 2520.8 | 2588.5 | 2684.6 | 2797.8 | 2918.4 |
| 10° | 2218.0 | 2234.1 | 2259.9 | 2290.7 | 2365.8 | 2379.3 | 2465.5 | 2593.5 | 2741.2 | 2893.8 |
| 12.5° | 2147.9 | 2152.8 | 2167.6 | 2198.4 | 2263.6 | 2272.2 | 2367.0 | 2513.5 | 2685.8 | 2875.3 |
| 15° | 2144.2 | 2154.0 | 2155.3 | 2171.3 | 2225.4 | 2229.1 | 2316.5 | 2461.8 | 2651.3 | 2871.6 |
| 17.5° | 2181.1 | 2188.5 | 2177.4 | 2187.3 | 2232.8 | 2239.0 | 2307.9 | 2437.1 | 2640.2 | 2887.6 |
| 20° | 2279.6 | 2285.7 | 2252.5 | 2239.0 | 2272.2 | 2277.1 | 2344.8 | 2453.1 | 2651.3 | 2920.9 |
| 22.5° | 2488.8 | 2492.5 | 2411.3 | 2355.9 | 2358.4 | 2360.8 | 2419.9 | 2518.4 | 2694.4 | 2981.2 |
| 25° | 2815.0 | 2812.6 | 2683.3 | 2576.2 | 2514.7 | 2501.2 | 2540.5 | 2624.2 | 2767.0 | 3061.2 |
| 27.5° | 3196.6 | 3178.1 | 3048.9 | 2888.9 | 2754.7 | 2735.0 | 2726.4 | 2762.1 | 2870.4 | 3167.1 |
| 30° | 3627.4 | 3610.2 | 3471.1 | 3261.8 | 3076.0 | 3044.0 | 2962.7 | 2944.3 | 3024.3 | 3311.1 |
| 32.5° | 4100.1 | 4089.0 | 3922.8 | 3669.3 | 3420.6 | 3383.7 | 3247.1 | 3197.8 | 3260.6 | 3528.9 |
| 35° | 4496.4 | 4486.6 | 4348.7 | 4087.8 | 3783.7 | 3738.2 | 3599.1 | 3543.7 | 3575.7 | 3808.3 |
| 37.5° | 4854.6 | 4849.7 | 4731.5 | 4526.0 | 4212.1 | 4156.7 | 4000.4 | 3981.9 | 3975.7 | 4176.4 |
| 40° | 5186.9 | 5174.6 | 5051.5 | 4943.2 | 4710.6 | 4660.1 | 4522.3 | 4506.3 | 4459.5 | 4629.3 |
| 42.5° | 5555.0 | 5523.0 | 5344.5 | 5294.0 | 5231.2 | 5189.4 | 5106.9 | 5109.4 | 5006.0 | 5140.2 |
| 45° | 5855.3 | 5836.8 | 5653.4 | 5623.9 | 5691.6 | 5674.4 | 5745.8 | 5764.2 | 5563.6 | 5675.6 |
| 47.5° | 6177.8 | 6160.6 | 6005.5 | 5984.5 | 6167.9 | 6172.9 | 6425.2 | 6431.4 | 6107.6 | 6232.0 |
| 50° | 6575.4 | 6550.8 | 6396.9 | 6422.7 | 6628.3 | 6646.8 | 7108.3 | 7066.5 | 6608.6 | 6796.9 |
| 52.5° | 6837.5 | 6852.3 | 6819.1 | 6860.9 | 7141.6 | 7158.8 | 7780.4 | 7673.3 | 7104.6 | 7354.5 |
| 55° | 7030.8 | 7060.3 | 7163.7 | 7259.7 | 7683.2 | 7700.4 | 8414.3 | 8250.6 | 7515.8 | 7871.5 |
| 57.5° | 7279.4 | 7237.6 | 7430.8 | 7617.9 | 8197.7 | 8243.2 | 9031.0 | 8807.0 | 7880.1 | 8317.1 |
| 60° | 7636.4 | 7606.8 | 7757.0 | 8034.0 | 8773.7 | 8846.3 | 9683.3 | 9307.9 | 8147.2 | 8670.3 |
| 62.5° | 8360.1 | 8286.3 | 8309.7 | 8554.6 | 9499.9 | 9596.0 | 10419.4 | 9744.9 | 8280.1 | 8808.2 |
| 65° | 9442.1 | 9315.3 | 9197.1 | 9367.0 | 10522.8 | 10617.6 | 11250.3 | 10088.3 | 8230.9 | 8541.1 |
| 67.5° | 10804.7 | 10679.1 | 10533.9 | 10693.9 | 12029.4 | 12104.5 | 12275.6 | 10281.6 | 7843.2 | 7512.1 |
| 70° | 11928.5 | 11881.7 | 12055.3 | 12713.8 | 14435.8 | 14438.2 | 13590.2 | 10121.5 | 6780.9 | 5326.0 |
| 72.5° | 11779.5 | 11751.2 | 12665.8 | 14701.7 | 17468.7 | 17403.4 | 14834.6 | 8910.4 | 4567.8 | 2402.7 |
| 75° | 9663.7 | 9847.1 | 11263.8 | 14666.0 | 18558.0 | 18549.4 | 14072.7 | 5664.5 | 1889.4 | 995.8 |
| 77.5° | 5182.0 | 5472.5 | 7312.7 | 10828.1 | 14487.5 | 14705.3 | 9893.8 | 1981.7 | 811.2 | 637.6 |
| 80° | 1690.0 | 1943.6 | 2914.7 | 5513.1 | 9413.8 | 9373.2 | 4240.4 | 777.9 | 555.1 | 451.7 |
| 82.5° | 717.6 | 747.1 | 1302.3 | 2603.3 | 4831.2 | 4756.1 | 1350.3 | 446.8 | 390.2 | 309.0 |
| 85° | 280.6 | 313.9 | 574.8 | 1203.8 | 2092.5 | 2047.0 | 487.4 | 221.6 | 249.9 | 201.9 |
| 87.5° | 92.3 | 112.0 | 205.6 | 412.3 | 651.1 | 627.7 | 119.4 | 76.3 | 108.3 | 92.3 |
| 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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 CATALOG NUMBER: GLAN-SB6B-930-U-T4FT

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3034.1 | 0° | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 | 3034.1 |
| 3042.7 | 2.5° | 3060.0 | 3079.7 | 3103.1 | 3137.5 | 3167.1 | 3191.7 | 3217.5 | 3233.5 | 3239.7 | 3258.1 |
| 3047.7 | 5° | 3082.1 | 3125.2 | 3183.1 | 3239.7 | 3295.1 | 3328.3 | 3357.8 | 3372.6 | 3386.2 | 3396.0 |
| 3061.2 | 7.5° | 3119.1 | 3174.4 | 3265.5 | 3339.4 | 3386.2 | 3413.2 | 3432.9 | 3428.0 | 3432.9 | 3435.4 |
| 3076.0 | 10° | 3151.1 | 3228.6 | 3336.9 | 3407.1 | 3442.8 | 3444.0 | 3439.1 | 3421.9 | 3413.2 | 3414.5 |
| 3098.1 | 12.5° | 3189.2 | 3275.4 | 3392.3 | 3451.4 | 3461.2 | 3434.2 | 3413.2 | 3383.7 | 3372.6 | 3367.7 |
| 3131.4 | 15° | 3240.9 | 3339.4 | 3452.6 | 3474.8 | 3450.2 | 3415.7 | 3380.0 | 3332.0 | 3307.4 | 3287.7 |
| 3188.0 | 17.5° | 3303.7 | 3412.0 | 3499.4 | 3483.4 | 3430.5 | 3373.8 | 3316.0 | 3243.4 | 3192.9 | 3172.0 |
| 3265.5 | 20° | 3391.1 | 3488.3 | 3535.1 | 3464.9 | 3384.9 | 3298.8 | 3200.3 | 3111.7 | 3064.9 | 3044.0 |
| 3364.0 | 22.5° | 3496.9 | 3590.5 | 3569.6 | 3432.9 | 3319.7 | 3181.8 | 3058.7 | 2993.5 | 2970.1 | 2955.3 |
| 3490.8 | 25° | 3623.7 | 3703.7 | 3594.2 | 3386.2 | 3212.6 | 3026.7 | 2932.0 | 2911.0 | 2900.0 | 2888.9 |
| 3645.9 | 27.5° | 3788.7 | 3831.7 | 3612.6 | 3317.2 | 3045.2 | 2861.8 | 2827.3 | 2831.0 | 2827.3 | 2808.9 |
| 3861.3 | 30° | 4006.5 | 3997.9 | 3629.9 | 3205.2 | 2853.2 | 2712.9 | 2715.3 | 2731.3 | 2733.8 | 2721.5 |
| 4161.6 | 32.5° | 4293.3 | 4205.9 | 3638.5 | 3060.0 | 2669.8 | 2582.4 | 2584.9 | 2602.1 | 2614.4 | 2593.5 |
| 4554.3 | 35° | 4640.4 | 4448.4 | 3624.9 | 2877.8 | 2528.2 | 2458.1 | 2439.6 | 2444.5 | 2448.2 | 2428.5 |
| 5030.6 | 37.5° | 5045.4 | 4720.4 | 3564.6 | 2675.9 | 2411.3 | 2336.2 | 2296.8 | 2263.6 | 2243.9 | 2225.4 |
| 5569.7 | 40° | 5489.7 | 5017.1 | 3453.9 | 2479.0 | 2280.8 | 2207.0 | 2147.9 | 2085.1 | 2018.6 | 1994.0 |
| 6140.9 | 42.5° | 5955.0 | 5322.3 | 3319.7 | 2290.7 | 2130.7 | 2070.3 | 2007.6 | 1916.5 | 1816.8 | 1766.3 |
| 6734.2 | 45° | 6437.5 | 5635.0 | 3188.0 | 2104.8 | 1976.8 | 1950.9 | 1878.3 | 1768.8 | 1660.5 | 1596.5 |
| 7328.7 | 47.5° | 6910.2 | 5930.4 | 2994.7 | 1917.7 | 1832.8 | 1861.1 | 1804.5 | 1703.5 | 1582.9 | 1482.0 |
| 7918.3 | 50° | 7361.9 | 6207.3 | 2678.4 | 1728.2 | 1715.8 | 1834.0 | 1779.9 | 1634.6 | 1496.8 | 1367.5 |
| 8496.8 | 52.5° | 7809.9 | 6431.4 | 2273.4 | 1555.8 | 1653.1 | 1826.6 | 1747.9 | 1587.8 | 1419.2 | 1283.8 |
| 9040.8 | 55° | 8190.3 | 6547.1 | 1883.2 | 1408.1 | 1562.0 | 1763.9 | 1709.7 | 1532.4 | 1309.7 | 1165.6 |
| 9413.8 | 57.5° | 8406.9 | 6453.5 | 1558.3 | 1262.9 | 1436.4 | 1660.5 | 1644.5 | 1414.3 | 1179.2 | 1068.4 |
| 9486.4 | 60° | 8313.4 | 6074.4 | 1292.4 | 1136.1 | 1317.0 | 1548.4 | 1531.2 | 1297.3 | 1079.5 | 974.9 |
| 9097.4 | 62.5° | 7797.6 | 5351.9 | 1081.9 | 1025.3 | 1208.7 | 1434.0 | 1418.0 | 1207.5 | 1003.2 | 902.2 |
| 8064.7 | 65° | 6758.8 | 4353.6 | 918.2 | 933.0 | 1099.2 | 1296.1 | 1319.5 | 1132.4 | 942.9 | 844.4 |
| 6239.3 | 67.5° | 5154.9 | 3153.5 | 790.2 | 853.0 | 992.1 | 1160.7 | 1228.4 | 1078.3 | 892.4 | 798.8 |
| 3610.2 | 70° | 2938.1 | 1790.9 | 681.9 | 775.5 | 897.3 | 1035.2 | 1158.3 | 1035.2 | 838.2 | 760.7 |
| 1352.7 | 72.5° | 1113.9 | 822.2 | 589.6 | 697.9 | 806.2 | 929.3 | 1080.7 | 967.5 | 775.5 | 717.6 |
| 699.1 | 75° | 594.5 | 501.0 | 496.0 | 606.8 | 701.6 | 825.9 | 983.5 | 901.0 | 728.7 | 758.2 |
| 483.7 | 77.5° | 405.0 | 354.5 | 414.8 | 519.4 | 587.1 | 711.4 | 880.1 | 800.1 | 631.4 | 629.0 |
| 334.8 | 80° | 280.6 | 251.1 | 337.3 | 418.5 | 454.2 | 598.2 | 768.1 | 686.8 | 514.5 | 480.0 |
| 206.8 | 82.5° | 168.6 | 163.7 | 252.3 | 312.6 | 321.3 | 461.6 | 636.4 | 576.1 | 421.0 | 366.8 |
| 123.1 | 85° | 92.3 | 97.2 | 161.2 | 183.4 | 187.1 | 322.5 | 498.5 | 445.6 | 323.7 | 272.0 |
| 44.3 | 87.5° | 25.8 | 33.2 | 59.1 | 72.6 | 89.9 | 167.4 | 296.6 | 264.6 | 162.5 | 113.2 |
| 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° |
|--------|
| 3034.1 |
| 3256.9 |
| 3398.5 |
| 3439.1 |
| 3416.9 |
| 3365.2 |
| 3293.8 |
| 3173.2 |
| 3041.5 |
| 2957.8 |
| 2888.9 |
| 2812.6 |
| 2727.6 |
| 2603.3 |
| 2442.1 |
| 2237.7 |
| 2005.1 |
| 1772.5 |
| 1591.5 |
| 1470.9 |
| 1356.4 |
| 1269.0 |
| 1153.3 |
| 1053.6 |
| 960.1 |
| 886.2 |
| 828.4 |
| 784.1 |
| 750.8 |
| 707.8 |
| 782.8 |
| 579.7 |
| 459.1 |
| 369.3 |
| 274.5 |
| 113.2 |
| 0.0 |

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