

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: P849103

Luminaire Tested: **GLAN-SB6A-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849103
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-SB6A-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23980 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

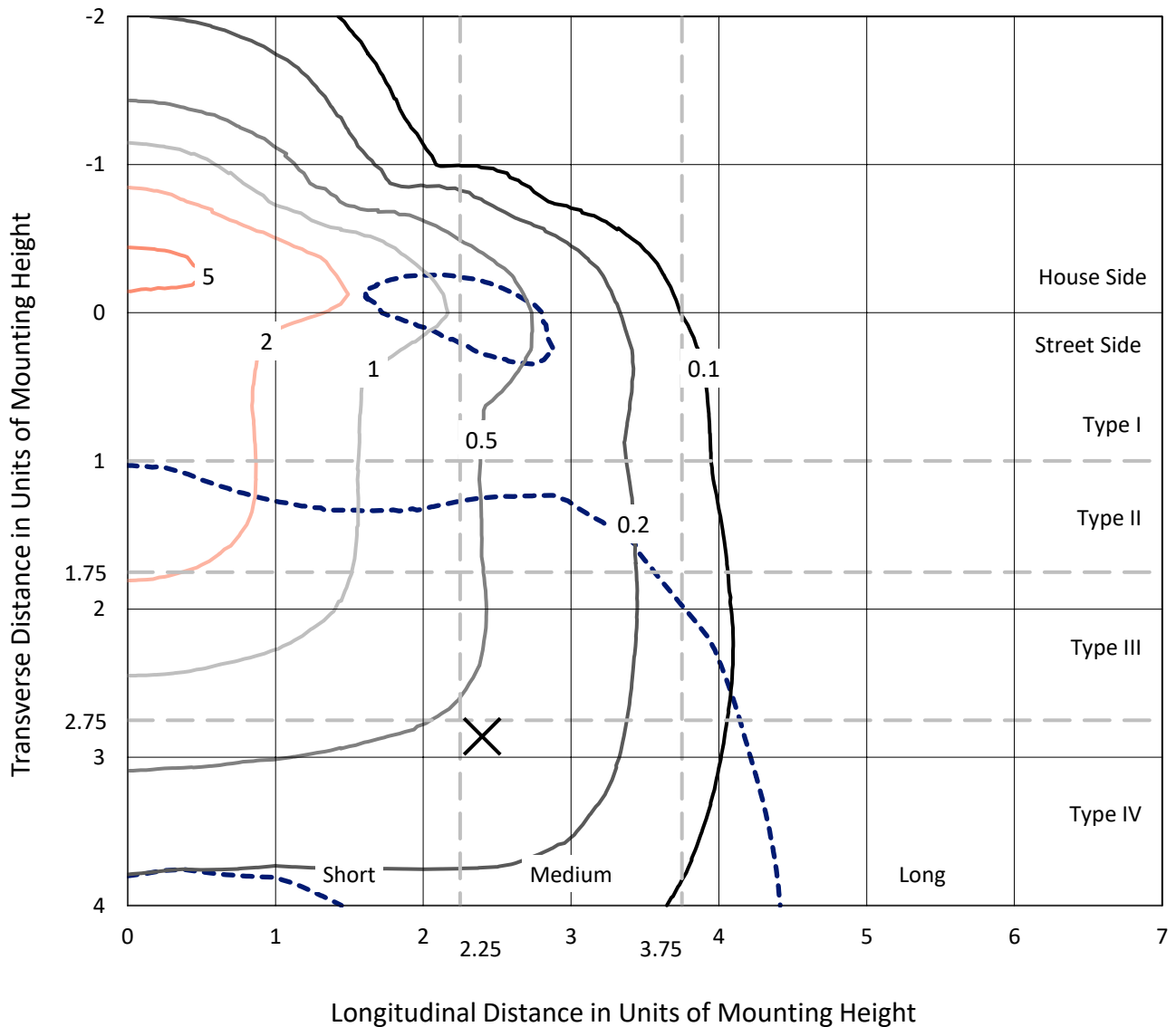
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

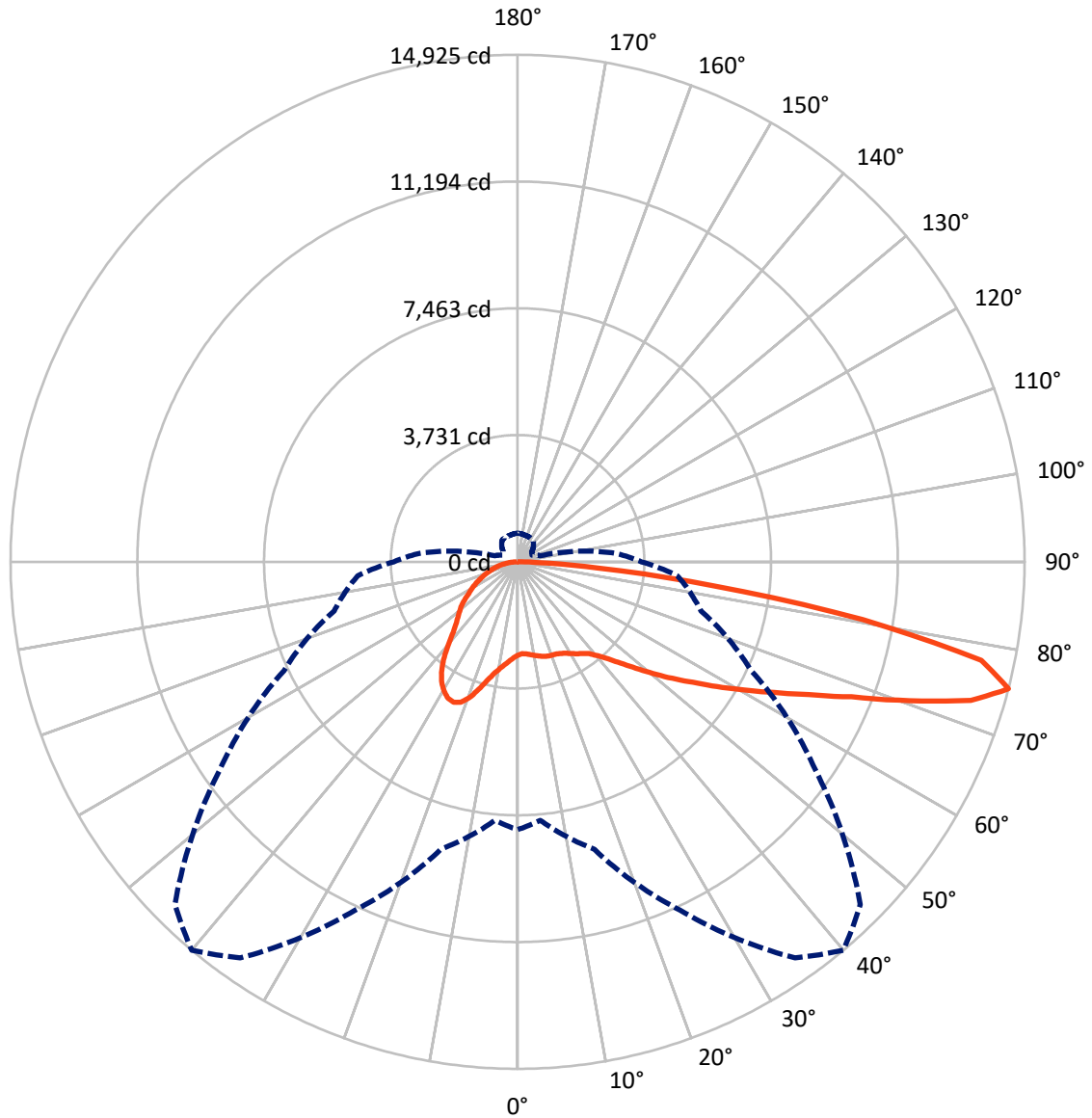
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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 | 7429.8 | 0.0 | 7429.8 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 16550.2 | 0.0 | 16550.2 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 23980.0 | 0.0 | 23980.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 273.7 | 1.1 |
| 10°-20° | 919.0 | 3.8 |
| 20°-30° | 1678.0 | 7.0 |
| 30°-40° | 2379.9 | 9.9 |
| 40°-50° | 3213.6 | 13.4 |
| 50°-60° | 4323.1 | 18.0 |
| 60°-70° | 5487.0 | 22.9 |
| 70°-80° | 4979.8 | 20.8 |
| 80°-90° | 725.9 | 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° | 23980.0 | 100.0 |
| 0°-180° | 23980.0 | 100.0 |

Coefficient of Utilization

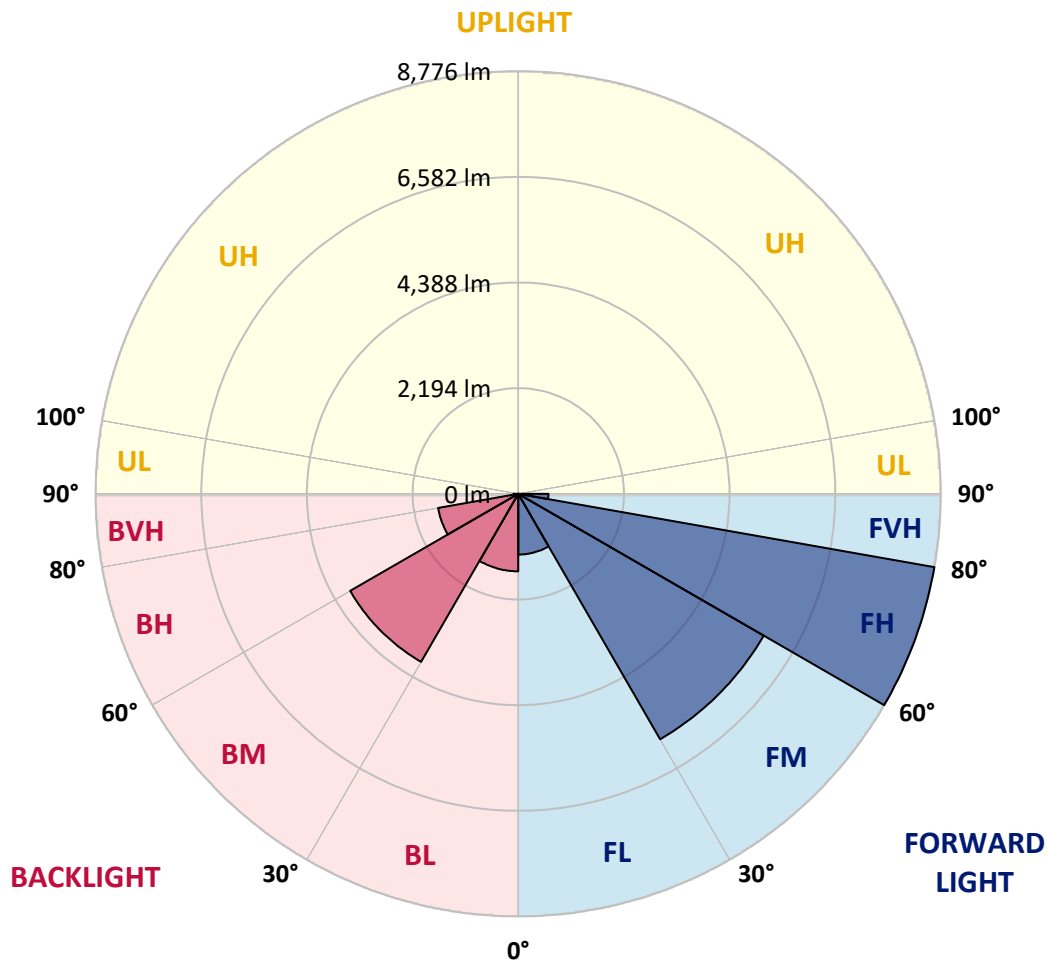


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1261.4 | 5.3 | | | |
| FM (30°-60°) | 5886.5 | 24.5 | | | |
| FH (60°-80°) | 8776.3 | 36.6 | | | G4/12000 |
| FVH (80°-90°) | 626.0 | 2.6 | | | G4/750 |
| BL (0°-30°) | 1609.4 | 6.7 | B3/2500 | | |
| BM (30°-60°) | 4030.0 | 16.8 | B3/5000 | | |
| BH (60°-80°) | 1690.5 | 7.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 99.9 | 0.4 | | | G1/100 |
| 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 Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 |
| 2.5° | 2700.2 | 2715.4 | 2711.6 | 2706.5 | 2706.5 | 2707.8 | 2706.5 | 2715.4 | 2724.3 | 2733.2 |
| 5° | 2728.2 | 2743.4 | 2735.8 | 2729.4 | 2724.3 | 2723.1 | 2719.3 | 2718.0 | 2723.1 | 2734.5 |
| 7.5° | 2782.8 | 2798.1 | 2786.7 | 2775.2 | 2765.0 | 2760.0 | 2754.9 | 2747.2 | 2743.4 | 2749.8 |
| 10° | 2843.9 | 2859.2 | 2845.2 | 2824.8 | 2808.3 | 2801.9 | 2796.8 | 2789.2 | 2784.1 | 2787.9 |
| 12.5° | 2904.9 | 2920.2 | 2901.1 | 2873.1 | 2851.5 | 2847.7 | 2841.4 | 2838.8 | 2837.5 | 2836.3 |
| 15° | 2962.2 | 2974.9 | 2950.7 | 2917.7 | 2894.8 | 2888.4 | 2882.1 | 2885.9 | 2892.2 | 2899.9 |
| 17.5° | 3006.7 | 3019.4 | 2983.8 | 2940.6 | 2918.9 | 2916.4 | 2912.6 | 2925.3 | 2943.1 | 2962.2 |
| 20° | 3047.4 | 3060.1 | 3014.3 | 2955.8 | 2930.4 | 2930.4 | 2931.7 | 2958.4 | 2983.8 | 3011.8 |
| 22.5° | 3104.6 | 3114.8 | 3058.8 | 2978.7 | 2941.8 | 2944.4 | 2954.5 | 2981.3 | 3013.1 | 3051.2 |
| 25° | 3189.8 | 3197.5 | 3128.8 | 3022.0 | 2980.0 | 2987.6 | 2996.5 | 3009.2 | 3039.8 | 3084.3 |
| 27.5° | 3327.2 | 3333.6 | 3243.3 | 3098.3 | 3034.7 | 3047.4 | 3060.1 | 3051.2 | 3065.2 | 3103.4 |
| 30° | 3520.5 | 3524.3 | 3409.9 | 3217.8 | 3127.5 | 3133.9 | 3136.4 | 3099.5 | 3072.8 | 3103.4 |
| 32.5° | 3749.5 | 3748.2 | 3612.1 | 3362.8 | 3233.1 | 3226.7 | 3205.1 | 3132.6 | 3070.3 | 3097.0 |
| 35° | 4104.3 | 4090.3 | 3914.8 | 3566.3 | 3352.6 | 3313.2 | 3262.3 | 3169.5 | 3083.0 | 3090.6 |
| 37.5° | 4691.9 | 4648.7 | 4405.7 | 3899.5 | 3530.7 | 3430.2 | 3355.2 | 3229.3 | 3111.0 | 3088.1 |
| 40° | 5354.6 | 5299.9 | 5032.8 | 4356.1 | 3797.8 | 3636.3 | 3515.4 | 3314.5 | 3156.8 | 3099.5 |
| 42.5° | 6140.6 | 6063.0 | 5775.5 | 4894.1 | 4136.1 | 3902.1 | 3720.2 | 3422.6 | 3224.2 | 3136.4 |
| 45° | 7105.9 | 7002.9 | 6595.9 | 5500.8 | 4562.2 | 4250.6 | 4007.7 | 3586.7 | 3327.2 | 3207.6 |
| 47.5° | 8081.4 | 8106.9 | 7528.2 | 6195.3 | 5073.5 | 4680.5 | 4367.6 | 3833.4 | 3477.3 | 3322.1 |
| 50° | 9118.0 | 9135.8 | 8455.4 | 6964.7 | 5653.4 | 5166.3 | 4772.0 | 4109.4 | 3685.9 | 3484.9 |
| 52.5° | 9926.9 | 9929.5 | 9297.3 | 7769.8 | 6257.6 | 5700.5 | 5208.3 | 4424.8 | 3927.5 | 3701.1 |
| 55° | 10433.1 | 10426.8 | 9887.5 | 8531.7 | 6952.0 | 6261.4 | 5691.6 | 4783.5 | 4222.6 | 3955.5 |
| 57.5° | 10800.7 | 10781.6 | 10294.5 | 9186.7 | 7692.3 | 6924.0 | 6238.5 | 5190.5 | 4571.1 | 4258.2 |
| 60° | 10940.6 | 10929.2 | 10570.5 | 9752.7 | 8470.6 | 7656.6 | 6869.4 | 5645.8 | 4966.6 | 4615.6 |
| 62.5° | 10994.0 | 11015.6 | 10841.4 | 10300.8 | 9303.7 | 8468.1 | 7562.5 | 6190.2 | 5411.8 | 5020.1 |
| 65° | 11182.3 | 11221.7 | 11186.1 | 11018.2 | 10244.9 | 9418.2 | 8482.1 | 6837.6 | 5897.6 | 5453.8 |
| 67.5° | 11554.9 | 11594.3 | 11609.6 | 11876.7 | 11394.7 | 10602.3 | 9629.3 | 7643.9 | 6466.2 | 5904.0 |
| 70° | 11546.0 | 11534.6 | 11804.2 | 12559.7 | 12834.4 | 12241.7 | 11175.9 | 8636.0 | 7144.1 | 6277.9 |
| 72.5° | 10509.4 | 10417.9 | 11055.1 | 12552.1 | 14032.5 | 13953.7 | 13064.6 | 9915.5 | 7729.1 | 6323.7 |
| 75° | 7884.3 | 7640.1 | 8765.7 | 11312.0 | 14232.2 | 14925.4 | 14265.3 | 10709.1 | 7590.5 | 5587.3 |
| 77.5° | 3371.7 | 3126.2 | 4452.8 | 8374.0 | 12737.7 | 13952.4 | 13163.8 | 9343.1 | 6059.2 | 3694.8 |
| 80° | 882.7 | 881.4 | 1345.6 | 3796.5 | 8662.7 | 10303.4 | 9039.2 | 6033.7 | 3462.0 | 1320.2 |
| 82.5° | 365.0 | 356.1 | 494.8 | 1476.6 | 4232.8 | 5781.9 | 4718.6 | 2691.3 | 1250.2 | 357.4 |
| 85° | 136.1 | 134.8 | 240.4 | 510.0 | 1493.2 | 2384.8 | 1725.9 | 688.1 | 311.6 | 174.2 |
| 87.5° | 38.2 | 36.9 | 52.1 | 176.8 | 363.8 | 552.0 | 295.1 | 113.2 | 87.8 | 68.7 |
| 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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 CATALOG NUMBER: GLAN-SB6A-727-U-SL4

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2742.1 | 0° | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 | 2742.1 |
| 2747.2 | 2.5° | 2751.0 | 2757.4 | 2768.9 | 2777.8 | 2789.2 | 2801.9 | 2819.7 | 2831.2 | 2842.6 | 2850.3 |
| 2753.6 | 5° | 2762.5 | 2776.5 | 2805.7 | 2835.0 | 2869.3 | 2901.1 | 2938.0 | 2964.7 | 2986.3 | 2992.7 |
| 2776.5 | 7.5° | 2787.9 | 2810.8 | 2860.4 | 2910.0 | 2964.7 | 3016.9 | 3070.3 | 3116.1 | 3153.0 | 3166.9 |
| 2817.2 | 10° | 2832.4 | 2863.0 | 2932.9 | 3002.9 | 3075.4 | 3155.5 | 3224.2 | 3290.3 | 3342.5 | 3364.1 |
| 2865.5 | 12.5° | 2888.4 | 2926.6 | 3018.1 | 3114.8 | 3215.3 | 3325.9 | 3415.0 | 3496.4 | 3561.2 | 3590.5 |
| 2932.9 | 15° | 2960.9 | 3010.5 | 3127.5 | 3257.3 | 3404.8 | 3558.7 | 3671.9 | 3762.2 | 3834.7 | 3870.3 |
| 3002.9 | 17.5° | 3039.8 | 3105.9 | 3253.4 | 3449.3 | 3660.4 | 3862.7 | 3994.9 | 4061.1 | 4136.1 | 4170.5 |
| 3067.7 | 20° | 3116.1 | 3197.5 | 3408.6 | 3693.5 | 3974.6 | 4189.5 | 4296.4 | 4314.2 | 4319.3 | 4323.1 |
| 3128.8 | 22.5° | 3194.9 | 3304.3 | 3603.2 | 4001.3 | 4302.7 | 4451.5 | 4466.8 | 4390.5 | 4283.6 | 4234.0 |
| 3188.6 | 25° | 3281.4 | 3426.4 | 3857.6 | 4340.9 | 4585.1 | 4602.9 | 4485.9 | 4300.2 | 4098.0 | 4005.1 |
| 3236.9 | 27.5° | 3365.4 | 3567.6 | 4162.8 | 4665.2 | 4788.6 | 4632.1 | 4380.3 | 4117.0 | 3872.8 | 3774.9 |
| 3271.2 | 30° | 3449.3 | 3729.1 | 4499.9 | 4948.8 | 4881.4 | 4559.6 | 4213.7 | 3919.9 | 3674.4 | 3571.4 |
| 3301.8 | 32.5° | 3534.5 | 3917.3 | 4887.8 | 5153.6 | 4864.9 | 4405.7 | 4006.4 | 3698.6 | 3482.4 | 3374.3 |
| 3328.5 | 35° | 3631.2 | 4148.8 | 5255.4 | 5265.5 | 4754.2 | 4179.4 | 3732.9 | 3434.0 | 3245.8 | 3159.3 |
| 3360.3 | 37.5° | 3757.1 | 4442.6 | 5579.7 | 5293.5 | 4560.9 | 3847.4 | 3393.3 | 3121.2 | 2966.0 | 2926.6 |
| 3407.3 | 40° | 3913.5 | 4796.2 | 5827.7 | 5249.0 | 4274.7 | 3444.2 | 3022.0 | 2804.5 | 2716.7 | 2725.6 |
| 3470.9 | 42.5° | 4117.0 | 5191.8 | 6001.9 | 5134.5 | 3876.7 | 3028.3 | 2696.4 | 2599.7 | 2641.7 | 2677.3 |
| 3566.3 | 45° | 4381.6 | 5602.6 | 6110.0 | 4939.9 | 3426.4 | 2676.0 | 2504.3 | 2527.2 | 2559.0 | 2562.8 |
| 3720.2 | 47.5° | 4719.9 | 6018.5 | 6181.3 | 4646.1 | 2967.3 | 2428.0 | 2382.2 | 2387.3 | 2380.9 | 2354.2 |
| 3950.4 | 50° | 5142.2 | 6422.9 | 6244.9 | 4256.9 | 2576.8 | 2272.8 | 2211.8 | 2194.0 | 2106.2 | 2019.7 |
| 4256.9 | 52.5° | 5622.9 | 6794.3 | 6271.6 | 3773.6 | 2272.8 | 2143.1 | 2043.9 | 1932.0 | 1767.9 | 1741.2 |
| 4642.3 | 55° | 6157.1 | 7137.7 | 6202.9 | 3179.7 | 2017.2 | 1976.5 | 1826.4 | 1691.6 | 1673.8 | 1650.9 |
| 5149.8 | 57.5° | 6795.6 | 7507.8 | 6063.0 | 2517.0 | 1755.2 | 1781.9 | 1635.6 | 1650.9 | 1619.1 | 1583.5 |
| 5802.3 | 60° | 7493.8 | 7890.7 | 5817.5 | 1912.9 | 1484.3 | 1539.0 | 1586.0 | 1584.7 | 1575.8 | 1546.6 |
| 6490.3 | 62.5° | 8122.1 | 8142.5 | 5334.2 | 1465.2 | 1246.4 | 1350.7 | 1479.2 | 1477.9 | 1470.3 | 1453.7 |
| 7208.9 | 65° | 8496.1 | 8104.3 | 4527.8 | 1153.6 | 1050.6 | 1195.6 | 1334.2 | 1344.4 | 1345.6 | 1344.4 |
| 7749.5 | 67.5° | 8429.9 | 7657.9 | 3421.3 | 918.3 | 889.0 | 1037.8 | 1190.5 | 1204.5 | 1214.6 | 1217.2 |
| 7818.2 | 70° | 7682.1 | 6677.3 | 2230.9 | 732.6 | 745.3 | 899.2 | 1054.4 | 1068.4 | 1077.3 | 1087.4 |
| 6784.1 | 72.5° | 5987.9 | 4909.4 | 1277.0 | 592.7 | 619.4 | 779.7 | 919.6 | 936.1 | 941.2 | 960.3 |
| 4721.2 | 75° | 3649.0 | 2887.1 | 689.4 | 466.8 | 508.7 | 666.5 | 786.0 | 805.1 | 814.0 | 836.9 |
| 2318.6 | 77.5° | 1734.8 | 1250.2 | 393.0 | 363.8 | 409.5 | 544.4 | 663.9 | 685.5 | 661.4 | 674.1 |
| 639.7 | 80° | 586.3 | 464.2 | 248.0 | 277.3 | 312.9 | 424.8 | 531.6 | 553.3 | 502.4 | 499.8 |
| 212.4 | 82.5° | 204.8 | 188.2 | 157.7 | 184.4 | 202.2 | 304.0 | 401.9 | 429.9 | 373.9 | 372.7 |
| 95.4 | 85° | 80.1 | 76.3 | 87.8 | 100.5 | 120.8 | 187.0 | 264.5 | 278.5 | 230.2 | 185.7 |
| 28.0 | 87.5° | 16.5 | 17.8 | 21.6 | 22.9 | 36.9 | 64.9 | 95.4 | 117.0 | 92.8 | 78.9 |
| 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° |
|--------|
| 2742.1 |
| 2845.2 |
| 2995.2 |
| 3168.2 |
| 3365.4 |
| 3590.5 |
| 3867.7 |
| 4169.2 |
| 4333.3 |
| 4248.0 |
| 4019.1 |
| 3786.3 |
| 3582.8 |
| 3388.3 |
| 3178.4 |
| 2954.5 |
| 2756.1 |
| 2710.3 |
| 2588.2 |
| 2374.6 |
| 2031.2 |
| 1750.1 |
| 1654.7 |
| 1577.1 |
| 1536.4 |
| 1447.4 |
| 1344.4 |
| 1219.7 |
| 1092.5 |
| 967.9 |
| 839.4 |
| 663.9 |
| 494.8 |
| 354.9 |
| 183.1 |
| 72.5 |
| 0.0 |

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