

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: P849383

Luminaire Tested: **GLAN-SB6B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849383
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-SB6B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21798 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

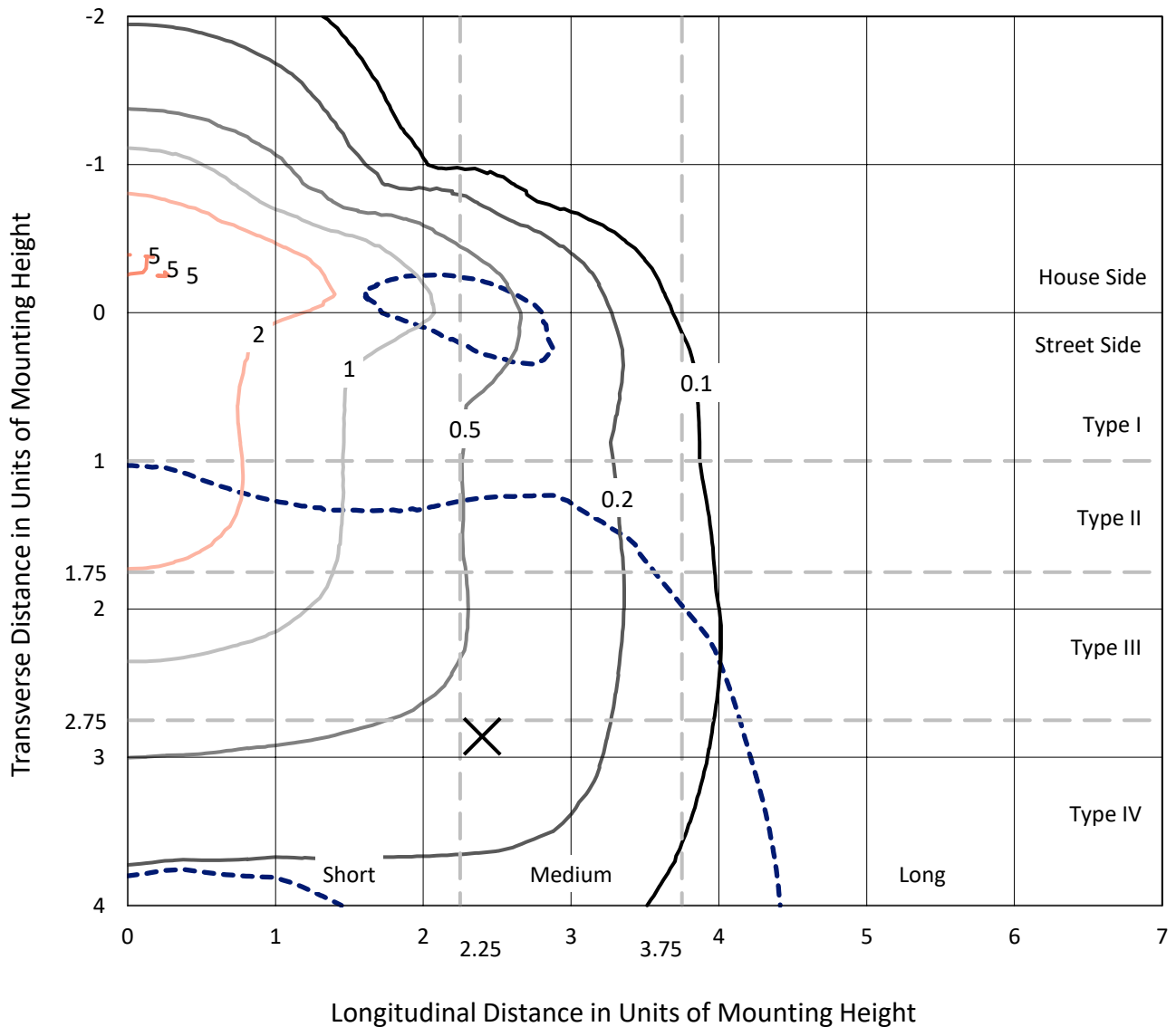
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

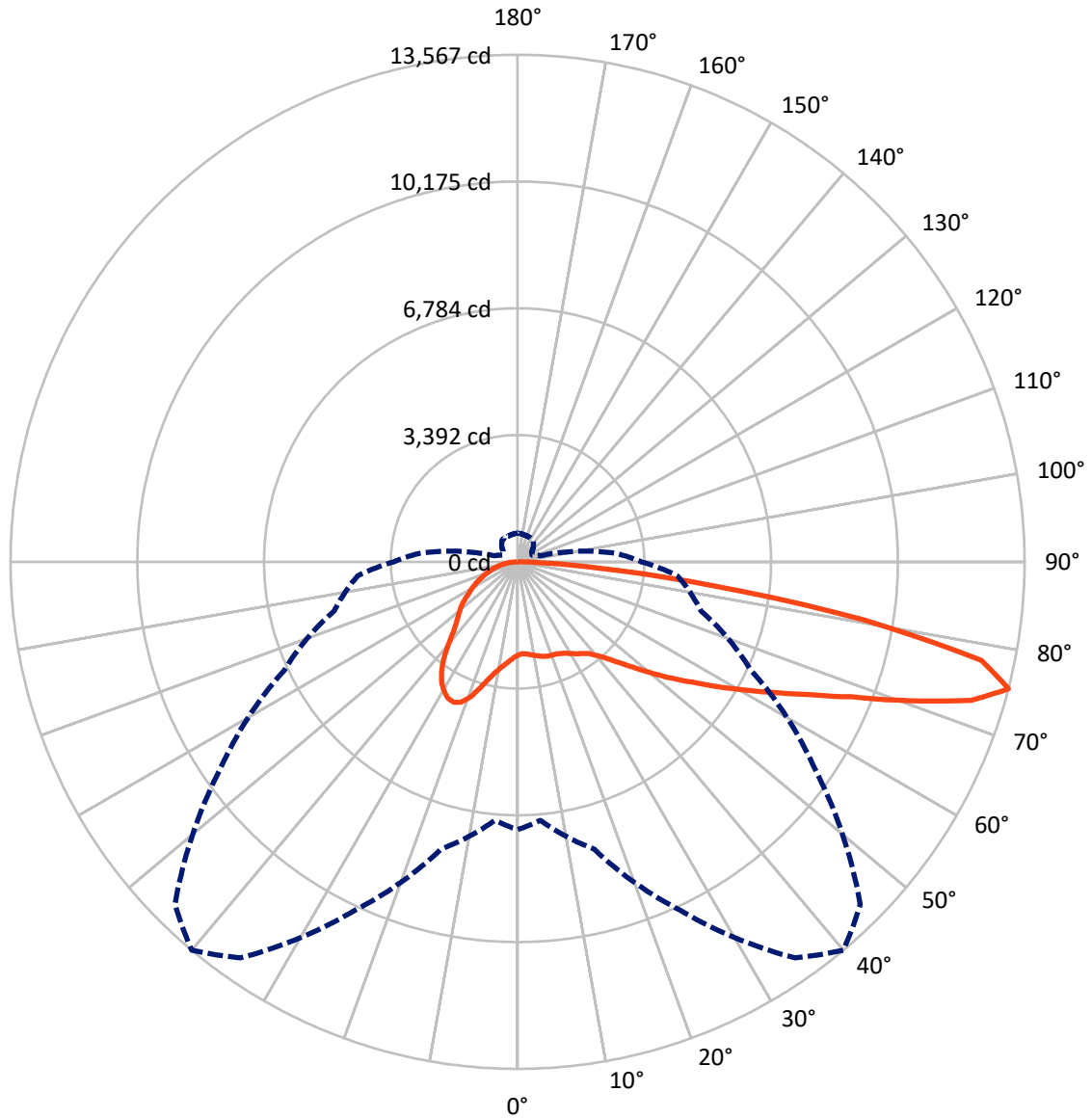
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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 | 6753.7 | 0.0 | 6753.7 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 15044.3 | 0.0 | 15044.3 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 21798.0 | 0.0 | 21798.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 248.8 | 1.1 |
| 10°-20° | 835.4 | 3.8 |
| 20°-30° | 1525.3 | 7.0 |
| 30°-40° | 2163.3 | 9.9 |
| 40°-50° | 2921.2 | 13.4 |
| 50°-60° | 3929.7 | 18.0 |
| 60°-70° | 4987.7 | 22.9 |
| 70°-80° | 4526.7 | 20.8 |
| 80°-90° | 659.8 | 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° | 21798.0 | 100.0 |
| 0°-180° | 21798.0 | 100.0 |

Coefficient of Utilization

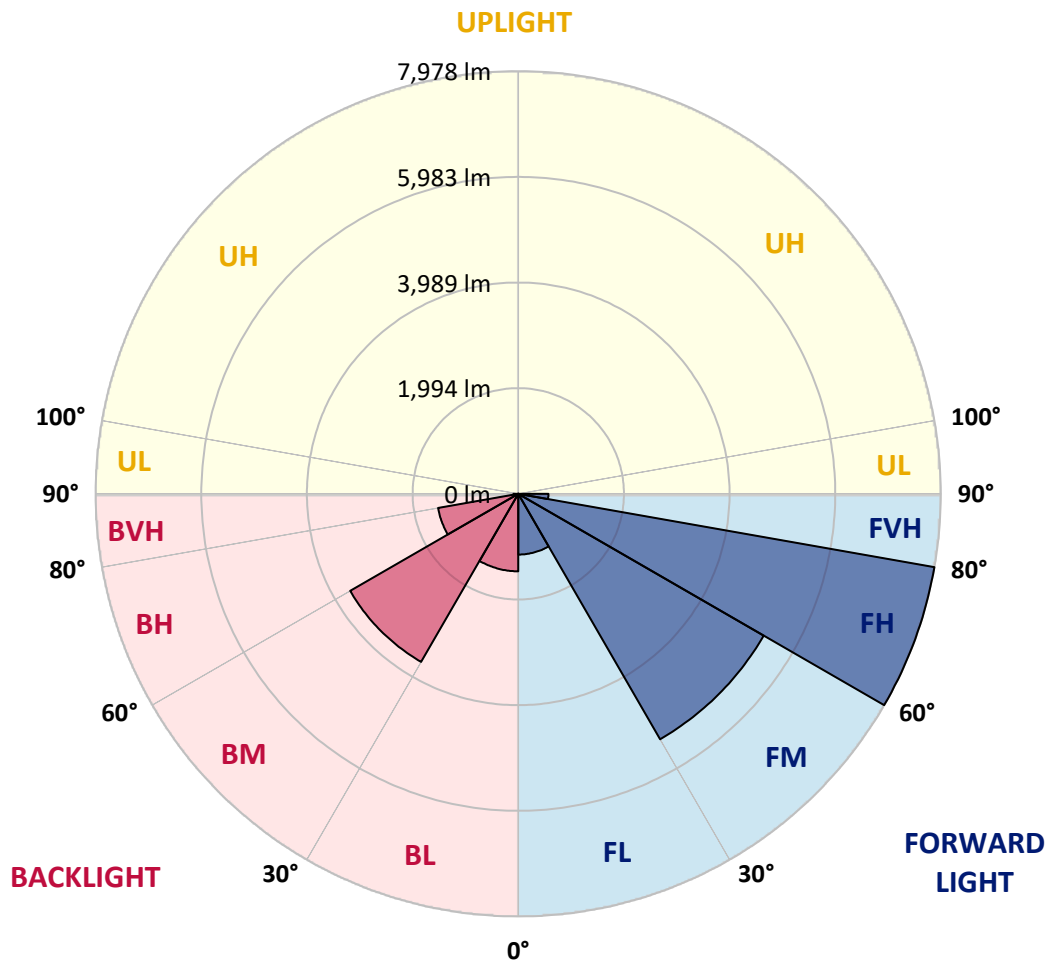


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1146.6 | 5.3 | | | |
| FM (30°-60°) | 5350.9 | 24.5 | | | |
| FH (60°-80°) | 7977.7 | 36.6 | | | G4/12000 |
| FVH (80°-90°) | 569.0 | 2.6 | | | G4/750 |
| BL (0°-30°) | 1462.9 | 6.7 | B3/2500 | | |
| BM (30°-60°) | 3663.3 | 16.8 | B3/5000 | | |
| BH (60°-80°) | 1536.7 | 7.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 90.8 | 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° | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 |
| 2.5° | 2454.5 | 2468.4 | 2464.9 | 2460.3 | 2460.3 | 2461.4 | 2460.3 | 2468.4 | 2476.4 | 2484.5 |
| 5° | 2479.9 | 2493.8 | 2486.8 | 2481.1 | 2476.4 | 2475.3 | 2471.8 | 2470.7 | 2475.3 | 2485.7 |
| 7.5° | 2529.6 | 2543.5 | 2533.1 | 2522.7 | 2513.4 | 2508.8 | 2504.2 | 2497.3 | 2493.8 | 2499.6 |
| 10° | 2585.1 | 2599.0 | 2586.3 | 2567.8 | 2552.7 | 2547.0 | 2542.3 | 2535.4 | 2530.8 | 2534.3 |
| 12.5° | 2640.6 | 2654.5 | 2637.1 | 2611.7 | 2592.1 | 2588.6 | 2582.8 | 2580.5 | 2579.3 | 2578.2 |
| 15° | 2692.6 | 2704.2 | 2682.2 | 2652.2 | 2631.4 | 2625.6 | 2619.8 | 2623.3 | 2629.1 | 2636.0 |
| 17.5° | 2733.1 | 2744.7 | 2712.3 | 2673.0 | 2653.3 | 2651.0 | 2647.6 | 2659.1 | 2675.3 | 2692.6 |
| 20° | 2770.1 | 2781.7 | 2740.0 | 2686.9 | 2663.7 | 2663.7 | 2664.9 | 2689.2 | 2712.3 | 2737.7 |
| 22.5° | 2822.1 | 2831.4 | 2780.5 | 2707.7 | 2674.1 | 2676.5 | 2685.7 | 2710.0 | 2738.9 | 2773.6 |
| 25° | 2899.6 | 2906.5 | 2844.1 | 2747.0 | 2708.8 | 2715.8 | 2723.9 | 2735.4 | 2763.2 | 2803.6 |
| 27.5° | 3024.5 | 3030.2 | 2948.1 | 2816.3 | 2758.5 | 2770.1 | 2781.7 | 2773.6 | 2786.3 | 2821.0 |
| 30° | 3200.2 | 3203.7 | 3099.6 | 2925.0 | 2842.9 | 2848.7 | 2851.0 | 2817.5 | 2793.2 | 2821.0 |
| 32.5° | 3408.3 | 3407.1 | 3283.4 | 3056.8 | 2938.9 | 2933.1 | 2913.5 | 2847.6 | 2790.9 | 2815.2 |
| 35° | 3730.9 | 3718.1 | 3558.6 | 3241.8 | 3047.6 | 3011.7 | 2965.5 | 2881.1 | 2802.5 | 2809.4 |
| 37.5° | 4265.0 | 4225.7 | 4004.9 | 3544.7 | 3209.4 | 3118.1 | 3049.9 | 2935.4 | 2827.9 | 2807.1 |
| 40° | 4867.3 | 4817.6 | 4574.8 | 3959.8 | 3452.2 | 3305.4 | 3195.6 | 3012.9 | 2869.5 | 2817.5 |
| 42.5° | 5581.8 | 5511.3 | 5250.0 | 4448.8 | 3759.8 | 3547.0 | 3381.7 | 3111.2 | 2930.8 | 2851.0 |
| 45° | 6459.3 | 6365.7 | 5995.7 | 5000.3 | 4147.1 | 3863.8 | 3643.0 | 3260.3 | 3024.5 | 2915.8 |
| 47.5° | 7346.1 | 7369.2 | 6843.2 | 5631.5 | 4611.8 | 4254.6 | 3970.2 | 3484.6 | 3160.9 | 3019.8 |
| 50° | 8288.3 | 8304.5 | 7686.0 | 6331.0 | 5139.0 | 4696.2 | 4337.8 | 3735.5 | 3350.5 | 3167.8 |
| 52.5° | 9023.6 | 9026.0 | 8451.4 | 7062.8 | 5688.2 | 5181.8 | 4734.4 | 4022.2 | 3570.1 | 3364.4 |
| 55° | 9483.8 | 9478.0 | 8987.8 | 7755.4 | 6319.4 | 5691.7 | 5173.7 | 4348.2 | 3838.4 | 3595.6 |
| 57.5° | 9817.9 | 9800.6 | 9357.8 | 8350.8 | 6992.3 | 6294.0 | 5670.8 | 4718.2 | 4155.2 | 3870.7 |
| 60° | 9945.1 | 9934.7 | 9608.7 | 8865.3 | 7699.9 | 6959.9 | 6244.3 | 5132.1 | 4514.7 | 4195.6 |
| 62.5° | 9993.6 | 10013.3 | 9854.9 | 9363.5 | 8457.1 | 7697.6 | 6874.4 | 5626.9 | 4919.4 | 4563.3 |
| 65° | 10164.8 | 10200.6 | 10168.2 | 10015.6 | 9312.7 | 8561.2 | 7710.3 | 6215.4 | 5361.0 | 4957.5 |
| 67.5° | 10503.5 | 10539.3 | 10553.2 | 10796.0 | 10357.8 | 9637.6 | 8753.1 | 6948.4 | 5877.8 | 5366.8 |
| 70° | 10495.4 | 10485.0 | 10730.1 | 11416.8 | 11666.6 | 11127.8 | 10159.0 | 7850.2 | 6494.0 | 5706.7 |
| 72.5° | 9553.2 | 9469.9 | 10049.1 | 11409.9 | 12755.7 | 12684.0 | 11875.8 | 9013.2 | 7025.8 | 5748.3 |
| 75° | 7166.9 | 6944.9 | 7968.1 | 10282.7 | 12937.2 | 13567.3 | 12967.2 | 9734.7 | 6899.8 | 5078.9 |
| 77.5° | 3064.9 | 2841.8 | 4047.6 | 7612.0 | 11578.7 | 12682.8 | 11966.0 | 8493.0 | 5507.8 | 3358.6 |
| 80° | 802.4 | 801.2 | 1223.2 | 3451.1 | 7874.4 | 9365.9 | 8216.7 | 5484.7 | 3147.0 | 1200.1 |
| 82.5° | 331.8 | 323.7 | 449.7 | 1342.3 | 3847.6 | 5255.8 | 4289.3 | 2446.4 | 1136.5 | 324.9 |
| 85° | 123.7 | 122.6 | 218.5 | 463.6 | 1357.3 | 2167.8 | 1568.9 | 625.5 | 283.3 | 158.4 |
| 87.5° | 34.7 | 33.5 | 47.4 | 160.7 | 330.7 | 501.8 | 268.2 | 102.9 | 79.8 | 62.4 |
| 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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 CATALOG NUMBER: GLAN-SB6B-927-U-SL4

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2492.6 | 0° | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 | 2492.6 |
| 2497.3 | 2.5° | 2500.7 | 2506.5 | 2516.9 | 2525.0 | 2535.4 | 2547.0 | 2563.2 | 2573.6 | 2584.0 | 2590.9 |
| 2503.0 | 5° | 2511.1 | 2523.8 | 2550.4 | 2577.0 | 2608.2 | 2637.1 | 2670.7 | 2695.0 | 2714.6 | 2720.4 |
| 2523.8 | 7.5° | 2534.3 | 2555.1 | 2600.2 | 2645.2 | 2695.0 | 2742.4 | 2790.9 | 2832.5 | 2866.1 | 2878.8 |
| 2560.8 | 10° | 2574.7 | 2602.5 | 2666.1 | 2729.6 | 2795.5 | 2868.4 | 2930.8 | 2990.9 | 3038.3 | 3058.0 |
| 2604.8 | 12.5° | 2625.6 | 2660.3 | 2743.5 | 2831.4 | 2922.7 | 3023.3 | 3104.2 | 3178.2 | 3237.2 | 3263.8 |
| 2666.1 | 15° | 2691.5 | 2736.6 | 2842.9 | 2960.9 | 3095.0 | 3234.9 | 3337.8 | 3419.9 | 3485.8 | 3518.1 |
| 2729.6 | 17.5° | 2763.2 | 2823.3 | 2957.4 | 3135.4 | 3327.4 | 3511.2 | 3631.4 | 3691.5 | 3759.8 | 3791.0 |
| 2788.6 | 20° | 2832.5 | 2906.5 | 3098.4 | 3357.4 | 3612.9 | 3808.3 | 3905.4 | 3921.6 | 3926.2 | 3929.7 |
| 2844.1 | 22.5° | 2904.2 | 3003.6 | 3275.3 | 3637.2 | 3911.2 | 4046.5 | 4060.4 | 3991.0 | 3893.9 | 3848.8 |
| 2898.4 | 25° | 2982.8 | 3114.6 | 3506.6 | 3945.9 | 4167.9 | 4184.1 | 4077.7 | 3908.9 | 3725.1 | 3640.7 |
| 2942.4 | 27.5° | 3059.1 | 3243.0 | 3784.0 | 4240.7 | 4352.9 | 4210.6 | 3981.7 | 3742.4 | 3520.4 | 3431.4 |
| 2973.6 | 30° | 3135.4 | 3389.8 | 4090.4 | 4498.5 | 4437.3 | 4144.7 | 3830.3 | 3563.2 | 3340.1 | 3246.4 |
| 3001.3 | 32.5° | 3212.9 | 3560.9 | 4443.0 | 4684.7 | 4422.2 | 4004.9 | 3641.8 | 3362.0 | 3165.5 | 3067.2 |
| 3025.6 | 35° | 3300.8 | 3771.3 | 4777.2 | 4786.4 | 4321.6 | 3799.1 | 3393.3 | 3121.6 | 2950.5 | 2871.8 |
| 3054.5 | 37.5° | 3415.2 | 4038.4 | 5072.0 | 4811.8 | 4145.9 | 3497.3 | 3084.6 | 2837.2 | 2696.1 | 2660.3 |
| 3097.3 | 40° | 3557.4 | 4359.8 | 5297.4 | 4771.4 | 3885.8 | 3130.8 | 2747.0 | 2549.3 | 2469.5 | 2477.6 |
| 3155.1 | 42.5° | 3742.4 | 4719.3 | 5455.8 | 4667.3 | 3523.9 | 2752.8 | 2451.0 | 2363.1 | 2401.3 | 2433.7 |
| 3241.8 | 45° | 3982.9 | 5092.8 | 5554.1 | 4490.4 | 3114.6 | 2432.5 | 2276.4 | 2297.2 | 2326.1 | 2329.6 |
| 3381.7 | 47.5° | 4290.4 | 5470.8 | 5618.8 | 4223.4 | 2697.3 | 2207.1 | 2165.4 | 2170.1 | 2164.3 | 2140.0 |
| 3591.0 | 50° | 4674.3 | 5838.5 | 5676.6 | 3869.6 | 2342.3 | 2066.0 | 2010.5 | 1994.3 | 1914.6 | 1835.9 |
| 3869.6 | 52.5° | 5111.3 | 6176.1 | 5700.9 | 3430.3 | 2066.0 | 1948.1 | 1857.9 | 1756.2 | 1607.0 | 1582.8 |
| 4219.9 | 55° | 5596.9 | 6488.2 | 5638.5 | 2890.3 | 1833.6 | 1796.6 | 1660.2 | 1537.7 | 1521.5 | 1500.7 |
| 4681.2 | 57.5° | 6177.2 | 6824.7 | 5511.3 | 2288.0 | 1595.5 | 1619.7 | 1486.8 | 1500.7 | 1471.8 | 1439.4 |
| 5274.3 | 60° | 6812.0 | 7172.7 | 5288.2 | 1738.8 | 1349.2 | 1398.9 | 1441.7 | 1440.5 | 1432.5 | 1405.9 |
| 5899.8 | 62.5° | 7383.1 | 7401.6 | 4848.8 | 1331.9 | 1133.0 | 1227.8 | 1344.6 | 1343.4 | 1336.5 | 1321.5 |
| 6553.0 | 65° | 7723.0 | 7366.9 | 4115.8 | 1048.6 | 955.0 | 1086.8 | 1212.8 | 1222.0 | 1223.2 | 1222.0 |
| 7044.3 | 67.5° | 7662.9 | 6961.1 | 3110.0 | 834.7 | 808.1 | 943.4 | 1082.1 | 1094.9 | 1104.1 | 1106.4 |
| 7106.8 | 70° | 6983.1 | 6069.7 | 2027.9 | 665.9 | 677.5 | 817.4 | 958.4 | 971.2 | 979.2 | 988.5 |
| 6166.8 | 72.5° | 5443.1 | 4462.7 | 1160.8 | 538.8 | 563.0 | 708.7 | 835.9 | 850.9 | 855.5 | 872.9 |
| 4291.6 | 75° | 3317.0 | 2624.4 | 626.6 | 424.3 | 462.5 | 605.8 | 714.5 | 731.8 | 739.9 | 760.7 |
| 2107.6 | 77.5° | 1577.0 | 1136.5 | 357.2 | 330.7 | 372.3 | 494.8 | 603.5 | 623.2 | 601.2 | 612.8 |
| 581.5 | 80° | 533.0 | 422.0 | 225.4 | 252.0 | 284.4 | 386.1 | 483.3 | 502.9 | 456.7 | 454.4 |
| 193.1 | 82.5° | 186.1 | 171.1 | 143.4 | 167.6 | 183.8 | 276.3 | 365.3 | 390.8 | 339.9 | 338.7 |
| 86.7 | 85° | 72.8 | 69.4 | 79.8 | 91.3 | 109.8 | 170.0 | 240.5 | 253.2 | 209.3 | 168.8 |
| 25.4 | 87.5° | 15.0 | 16.2 | 19.7 | 20.8 | 33.5 | 59.0 | 86.7 | 106.4 | 84.4 | 71.7 |
| 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° |
|--------|
| 2492.6 |
| 2586.3 |
| 2722.7 |
| 2879.9 |
| 3059.1 |
| 3263.8 |
| 3515.8 |
| 3789.8 |
| 3939.0 |
| 3861.5 |
| 3653.4 |
| 3441.8 |
| 3256.8 |
| 3079.9 |
| 2889.2 |
| 2685.7 |
| 2505.3 |
| 2463.7 |
| 2352.7 |
| 2158.5 |
| 1846.4 |
| 1590.8 |
| 1504.1 |
| 1433.6 |
| 1396.6 |
| 1315.7 |
| 1222.0 |
| 1108.7 |
| 993.1 |
| 879.8 |
| 763.1 |
| 603.5 |
| 449.7 |
| 322.6 |
| 166.5 |
| 65.9 |
| 0.0 |

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