

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: P849277

Luminaire Tested: **GLAN-SB6B-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23816 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

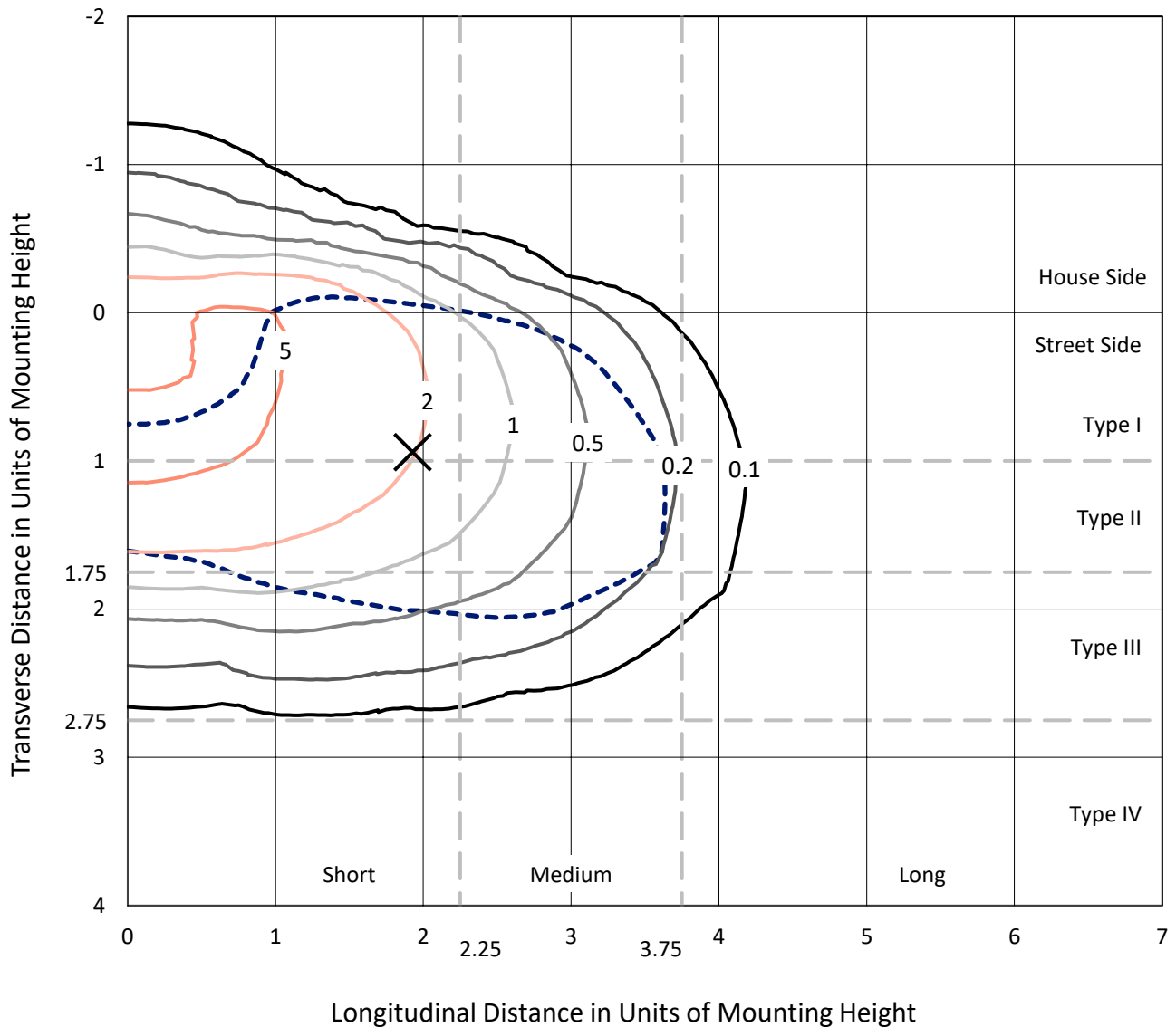
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

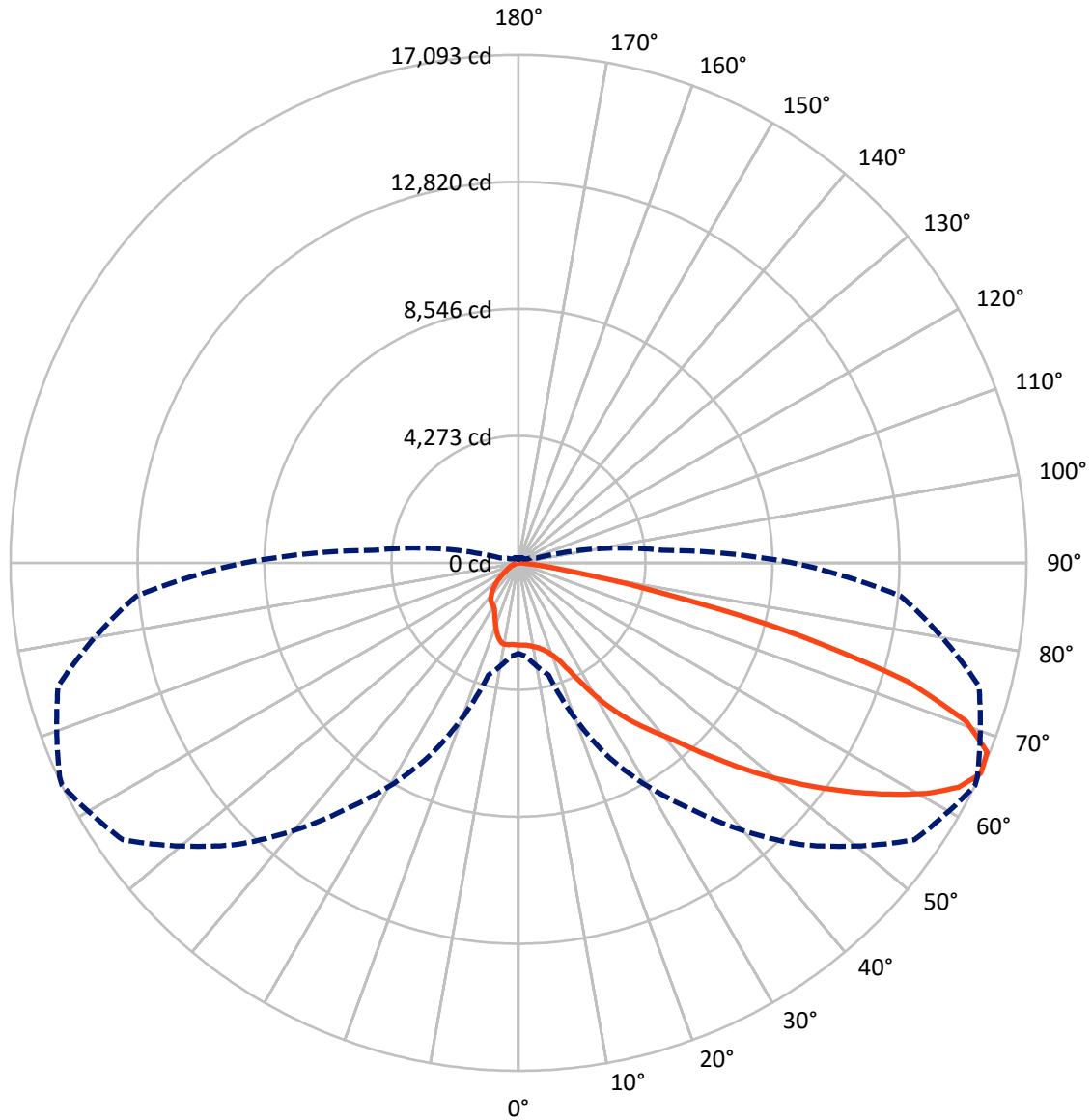
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3184.9 | 0.0 | 3184.9 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 20631.1 | 0.0 | 20631.1 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 23816.0 | 0.0 | 23816.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 255.6 | 1.1 |
| 10°-20° | 693.2 | 2.9 |
| 20°-30° | 1313.5 | 5.5 |
| 30°-40° | 2657.9 | 11.2 |
| 40°-50° | 4527.7 | 19.0 |
| 50°-60° | 6157.4 | 25.9 |
| 60°-70° | 5782.1 | 24.3 |
| 70°-80° | 2316.5 | 9.7 |
| 80°-90° | 112.2 | 0.5 |
| 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° | 23816.0 | 100.0 |
| 0°-180° | 23816.0 | 100.0 |

Coefficient of Utilization



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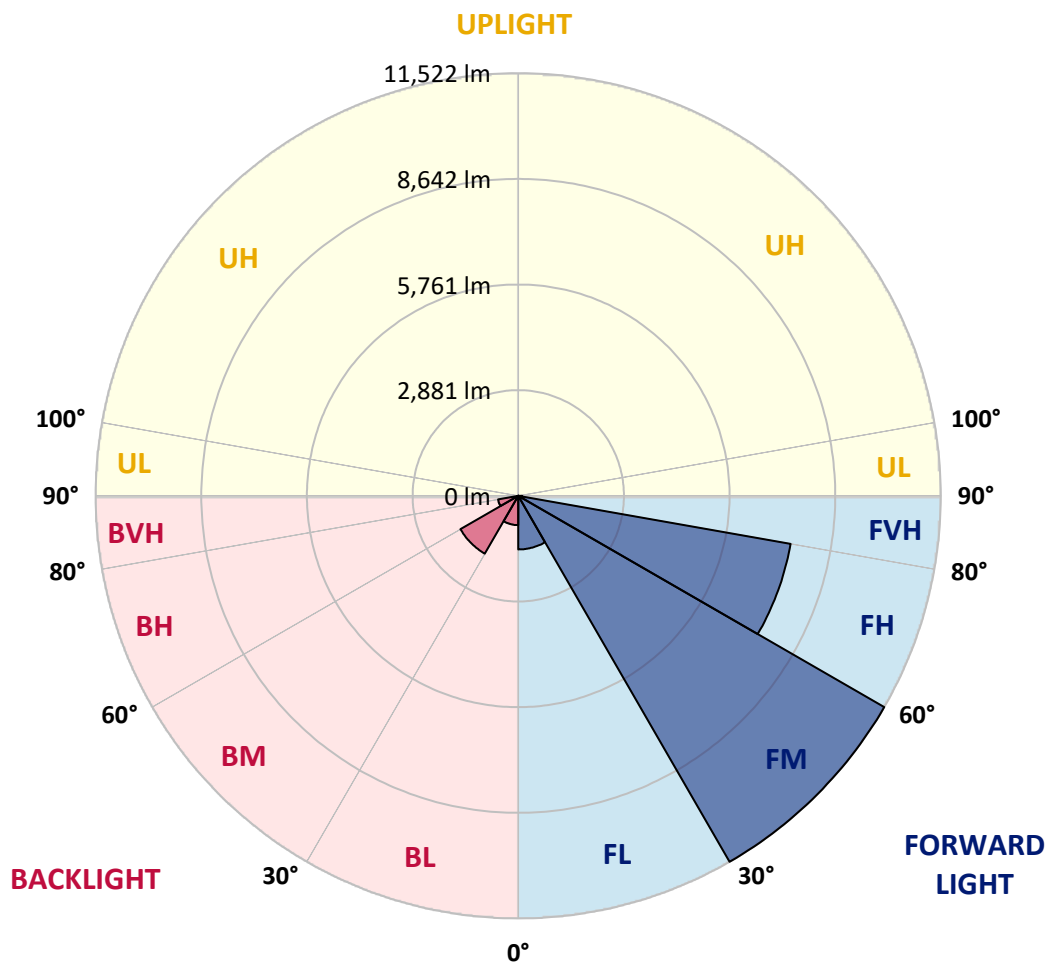
CATALOG NUMBER: GLAN-SB6B-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1462.6 | 6.1 | | | |
| FM (30°-60°) | 11522.2 | 48.4 | | | |
| FH (60°-80°) | 7539.6 | 31.7 | | | G4/12000 |
| FVH (80°-90°) | 106.7 | 0.4 | | | G2/225 |
| BL (0°-30°) | 799.6 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1820.8 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 559.0 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 5.5 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 |
| 2.5° | 2760.5 | 2779.6 | 2774.8 | 2770.0 | 2768.5 | 2771.6 | 2773.2 | 2771.6 | 2771.6 | 2771.6 |
| 5° | 2707.8 | 2723.7 | 2723.7 | 2734.9 | 2750.9 | 2770.0 | 2784.4 | 2787.6 | 2790.8 | 2795.6 |
| 7.5° | 2607.2 | 2620.0 | 2629.5 | 2666.3 | 2706.2 | 2757.3 | 2800.4 | 2822.7 | 2825.9 | 2843.5 |
| 10° | 2538.5 | 2554.5 | 2570.5 | 2608.8 | 2666.3 | 2742.9 | 2816.3 | 2870.6 | 2878.6 | 2920.1 |
| 12.5° | 2535.4 | 2551.3 | 2572.1 | 2613.6 | 2680.6 | 2762.1 | 2851.5 | 2929.7 | 2944.1 | 3004.7 |
| 15° | 2568.9 | 2588.0 | 2607.2 | 2658.3 | 2730.1 | 2829.1 | 2924.9 | 3022.3 | 3036.7 | 3122.9 |
| 17.5° | 2637.5 | 2663.1 | 2677.4 | 2728.5 | 2805.2 | 2915.3 | 3041.5 | 3153.2 | 3166.0 | 3266.6 |
| 20° | 2773.2 | 2803.6 | 2808.4 | 2849.9 | 2924.9 | 3043.1 | 3193.1 | 3332.0 | 3348.0 | 3463.0 |
| 22.5° | 3054.2 | 3097.3 | 3059.0 | 3079.8 | 3146.8 | 3265.0 | 3427.8 | 3603.5 | 3625.8 | 3756.7 |
| 25° | 3549.2 | 3609.8 | 3510.9 | 3475.7 | 3504.5 | 3627.4 | 3831.8 | 4053.7 | 4079.2 | 4184.6 |
| 27.5° | 4521.5 | 4443.3 | 4293.2 | 4146.3 | 4060.1 | 4130.3 | 4360.2 | 4634.8 | 4666.8 | 4769.0 |
| 30° | 5589.6 | 5520.9 | 5318.2 | 4992.5 | 4788.1 | 4776.9 | 4989.3 | 5295.8 | 5332.5 | 5429.9 |
| 32.5° | 6659.3 | 6593.8 | 6373.5 | 5972.8 | 5618.3 | 5442.7 | 5589.6 | 5929.7 | 5948.8 | 6011.1 |
| 35° | 7711.4 | 7644.4 | 7424.0 | 7013.7 | 6577.9 | 6178.7 | 6150.0 | 6533.2 | 6539.5 | 6605.0 |
| 37.5° | 8770.0 | 8714.1 | 8479.4 | 8077.0 | 7647.6 | 7096.8 | 6830.1 | 7104.7 | 7112.7 | 7176.6 |
| 40° | 9525.1 | 9549.1 | 9387.8 | 9076.5 | 8707.7 | 8105.8 | 7593.3 | 7713.0 | 7665.1 | 7772.1 |
| 42.5° | 10173.3 | 10221.2 | 10080.7 | 9924.3 | 9710.3 | 9180.3 | 8538.5 | 8517.7 | 8441.1 | 8498.5 |
| 45° | 10733.7 | 10773.7 | 10647.5 | 10610.8 | 10606.0 | 10234.0 | 9571.4 | 9446.9 | 9339.9 | 9328.8 |
| 47.5° | 10939.7 | 11016.3 | 11070.6 | 11193.5 | 11433.0 | 11276.6 | 10639.5 | 10446.4 | 10326.6 | 10238.8 |
| 50° | 11017.9 | 11099.4 | 11284.6 | 11642.2 | 12209.0 | 12276.0 | 11702.9 | 11485.7 | 11338.8 | 11179.2 |
| 52.5° | 10912.6 | 11057.8 | 11306.9 | 11908.8 | 12731.0 | 13077.5 | 12723.1 | 12533.1 | 12365.4 | 12105.2 |
| 55° | 10291.5 | 10436.8 | 10946.1 | 11905.6 | 12991.3 | 13639.5 | 13687.4 | 13602.8 | 13414.4 | 13004.1 |
| 57.5° | 8982.3 | 9197.8 | 10004.1 | 11500.1 | 12986.5 | 14123.3 | 14632.6 | 14693.2 | 14482.5 | 13894.9 |
| 60° | 7168.6 | 7460.8 | 8444.3 | 10601.2 | 12585.8 | 14385.1 | 15461.2 | 15764.5 | 15541.0 | 14773.1 |
| 62.5° | 5002.1 | 5340.5 | 6271.3 | 9193.0 | 11669.3 | 14196.7 | 16066.3 | 16626.7 | 16457.4 | 15558.6 |
| 65° | 3051.0 | 3159.6 | 3910.0 | 7234.1 | 10111.1 | 13408.0 | 16253.1 | 17092.9 | 17037.0 | 16039.1 |
| 67.5° | 2032.4 | 2123.4 | 2339.0 | 4960.5 | 7848.7 | 11832.2 | 15806.0 | 17011.4 | 17027.4 | 15960.9 |
| 70° | 1224.6 | 1302.8 | 1443.3 | 2885.0 | 5086.7 | 9365.5 | 14421.8 | 15973.7 | 16066.3 | 14915.2 |
| 72.5° | 504.5 | 557.2 | 684.9 | 1307.6 | 2634.3 | 5944.0 | 11484.1 | 13714.5 | 13930.1 | 12541.1 |
| 75° | 285.8 | 312.9 | 402.3 | 656.2 | 1143.1 | 2770.0 | 6956.3 | 9735.9 | 10053.6 | 8643.8 |
| 77.5° | 190.0 | 202.8 | 260.2 | 424.7 | 643.4 | 945.2 | 2972.8 | 5072.3 | 5679.0 | 4721.1 |
| 80° | 127.7 | 138.9 | 178.8 | 284.2 | 418.3 | 405.5 | 946.8 | 1879.2 | 2311.8 | 1622.1 |
| 82.5° | 86.2 | 87.8 | 127.7 | 186.8 | 265.0 | 196.4 | 279.4 | 584.3 | 734.4 | 469.4 |
| 85° | 49.5 | 47.9 | 94.2 | 108.6 | 118.1 | 81.4 | 84.6 | 175.6 | 229.9 | 198.0 |
| 87.5° | 6.4 | 9.6 | 36.7 | 28.7 | 16.0 | 17.6 | 17.6 | 30.3 | 44.7 | 47.9 |
| 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-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2770.0 | 0° | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 | 2770.0 |
| 2773.2 | 2.5° | 2773.2 | 2771.6 | 2766.9 | 2762.1 | 2750.9 | 2744.5 | 2747.7 | 2744.5 | 2742.9 | 2744.5 |
| 2794.0 | 5° | 2794.0 | 2789.2 | 2776.4 | 2760.5 | 2738.1 | 2711.0 | 2693.4 | 2667.9 | 2643.9 | 2629.5 |
| 2849.9 | 7.5° | 2849.9 | 2845.1 | 2827.5 | 2782.8 | 2711.0 | 2597.6 | 2493.8 | 2402.8 | 2334.2 | 2294.3 |
| 2939.3 | 10° | 2939.3 | 2931.3 | 2904.2 | 2805.2 | 2616.8 | 2369.3 | 2163.4 | 1992.5 | 1880.8 | 1828.1 |
| 3044.7 | 12.5° | 3044.7 | 3035.1 | 2987.2 | 2784.4 | 2438.0 | 2051.6 | 1767.4 | 1577.4 | 1473.6 | 1427.3 |
| 3166.0 | 15° | 3169.2 | 3156.4 | 3062.2 | 2685.4 | 2177.7 | 1700.3 | 1440.1 | 1298.0 | 1231.0 | 1189.4 |
| 3320.9 | 17.5° | 3324.1 | 3301.7 | 3118.1 | 2536.9 | 1895.1 | 1432.1 | 1238.9 | 1132.0 | 1072.9 | 1033.0 |
| 3523.6 | 20° | 3525.2 | 3488.5 | 3162.8 | 2359.7 | 1634.9 | 1262.9 | 1103.2 | 1013.8 | 969.1 | 934.0 |
| 3811.0 | 22.5° | 3806.2 | 3753.5 | 3217.1 | 2168.1 | 1451.3 | 1146.3 | 1002.6 | 937.2 | 900.5 | 860.6 |
| 4211.8 | 25° | 4154.3 | 4092.0 | 3284.1 | 1990.9 | 1325.2 | 1045.8 | 929.2 | 874.9 | 831.8 | 785.5 |
| 4737.0 | 27.5° | 4641.2 | 4529.5 | 3364.0 | 1845.6 | 1216.6 | 959.5 | 862.1 | 801.5 | 752.0 | 713.7 |
| 5332.5 | 30° | 5184.1 | 5000.5 | 3434.2 | 1757.8 | 1117.6 | 879.7 | 774.3 | 713.7 | 667.4 | 640.2 |
| 5867.4 | 32.5° | 5698.2 | 5449.1 | 3480.5 | 1719.5 | 1028.2 | 788.7 | 678.5 | 613.1 | 578.0 | 570.0 |
| 6391.1 | 35° | 6183.5 | 5854.6 | 3475.7 | 1682.8 | 948.4 | 697.7 | 584.3 | 517.3 | 490.1 | 494.9 |
| 6954.7 | 37.5° | 6742.3 | 6287.3 | 3442.2 | 1625.3 | 882.9 | 614.7 | 502.9 | 443.8 | 419.9 | 421.5 |
| 7639.6 | 40° | 7392.1 | 6787.0 | 3421.4 | 1516.7 | 811.1 | 538.0 | 435.9 | 388.0 | 370.4 | 364.0 |
| 8361.2 | 42.5° | 8085.0 | 7270.8 | 3424.6 | 1393.8 | 721.6 | 469.4 | 389.6 | 349.6 | 333.7 | 328.9 |
| 9164.3 | 45° | 8781.1 | 7732.2 | 3429.4 | 1266.1 | 627.5 | 416.7 | 356.0 | 322.5 | 312.9 | 306.5 |
| 9978.6 | 47.5° | 9435.7 | 8124.9 | 3340.0 | 1128.8 | 534.9 | 376.8 | 328.9 | 306.5 | 298.6 | 290.6 |
| 10796.0 | 50° | 10045.6 | 8386.8 | 3124.5 | 969.1 | 461.4 | 344.9 | 308.1 | 292.2 | 284.2 | 276.2 |
| 11536.8 | 52.5° | 10519.8 | 8428.3 | 2768.5 | 804.7 | 410.3 | 320.9 | 295.4 | 281.0 | 271.4 | 263.4 |
| 12135.5 | 55° | 10730.5 | 8168.0 | 2262.3 | 651.4 | 370.4 | 300.2 | 282.6 | 268.2 | 257.0 | 249.1 |
| 12606.5 | 57.5° | 10676.3 | 7620.4 | 1764.2 | 523.7 | 332.1 | 279.4 | 266.6 | 257.0 | 244.3 | 231.5 |
| 12988.1 | 60° | 10409.6 | 6887.6 | 1329.9 | 435.9 | 297.0 | 257.0 | 249.1 | 241.1 | 223.5 | 204.4 |
| 13135.0 | 62.5° | 9948.2 | 5966.4 | 948.4 | 360.8 | 258.6 | 231.5 | 228.3 | 221.9 | 196.4 | 161.3 |
| 12917.8 | 65° | 9242.5 | 4847.2 | 638.6 | 300.2 | 221.9 | 202.8 | 204.4 | 193.2 | 159.7 | 119.7 |
| 12122.8 | 67.5° | 8211.2 | 3544.4 | 408.7 | 245.9 | 185.2 | 169.2 | 170.8 | 164.4 | 135.7 | 102.2 |
| 10615.6 | 70° | 6897.2 | 2347.0 | 266.6 | 186.8 | 148.5 | 130.9 | 140.5 | 142.1 | 115.0 | 83.0 |
| 8147.3 | 72.5° | 5056.3 | 1385.8 | 186.8 | 138.9 | 108.6 | 91.0 | 115.0 | 118.1 | 92.6 | 62.3 |
| 4901.5 | 75° | 2881.8 | 657.8 | 140.5 | 100.6 | 67.1 | 63.9 | 89.4 | 89.4 | 63.9 | 41.5 |
| 2121.8 | 77.5° | 1210.2 | 274.6 | 99.0 | 65.5 | 38.3 | 36.7 | 60.7 | 55.9 | 31.9 | 19.2 |
| 517.3 | 80° | 349.6 | 122.9 | 52.7 | 31.9 | 16.0 | 14.4 | 23.9 | 17.6 | 8.0 | 3.2 |
| 196.4 | 82.5° | 137.3 | 54.3 | 20.8 | 12.8 | 6.4 | 6.4 | 3.2 | 0.0 | 0.0 | 0.0 |
| 111.8 | 85° | 81.4 | 22.4 | 9.6 | 4.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.9 | 87.5° | 20.8 | 4.8 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° |
| <hr/> |
| 2770.0 |
| 2750.9 |
| 2632.7 |
| 2295.9 |
| 1823.3 |
| 1422.5 |
| 1191.0 |
| 1029.8 |
| 927.6 |
| 854.2 |
| 780.7 |
| 705.7 |
| 635.4 |
| 574.8 |
| 494.9 |
| 427.9 |
| 362.4 |
| 327.3 |
| 306.5 |
| 290.6 |
| 276.2 |
| 261.8 |
| 247.5 |
| 229.9 |
| 201.2 |
| 158.1 |
| 116.5 |
| 97.4 |
| 79.8 |
| 59.1 |
| 38.3 |
| 19.2 |
| 3.2 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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