

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: McGRAW-EDISON

Report Number: P948542

Luminaire Tested: **GALN-SB3C-760-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-760-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

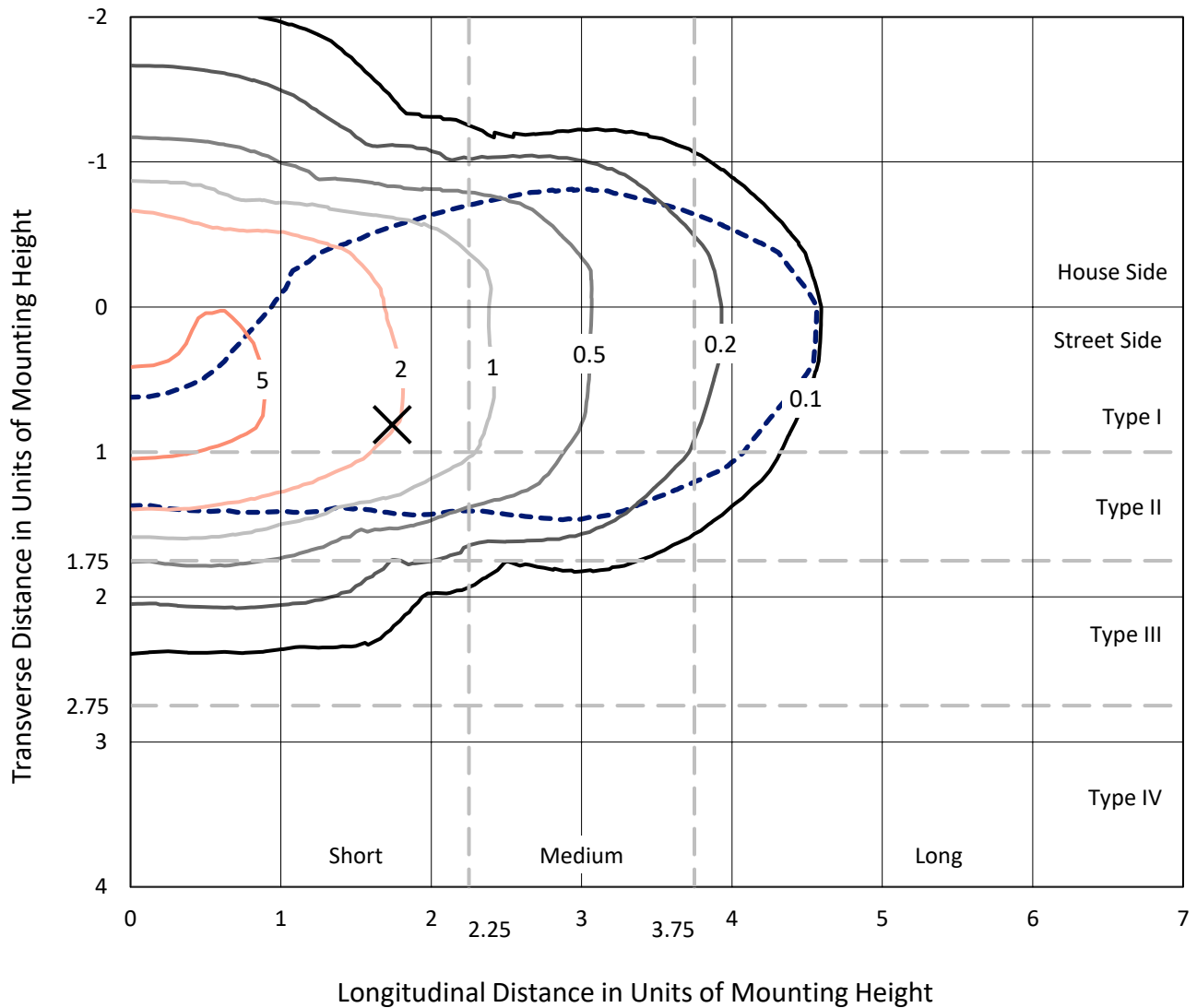
Lumens per Lamp: N/A  
Luminaire Lumens: 24091 lumens  
Efficiency: N/A  
Efficacy: 161.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

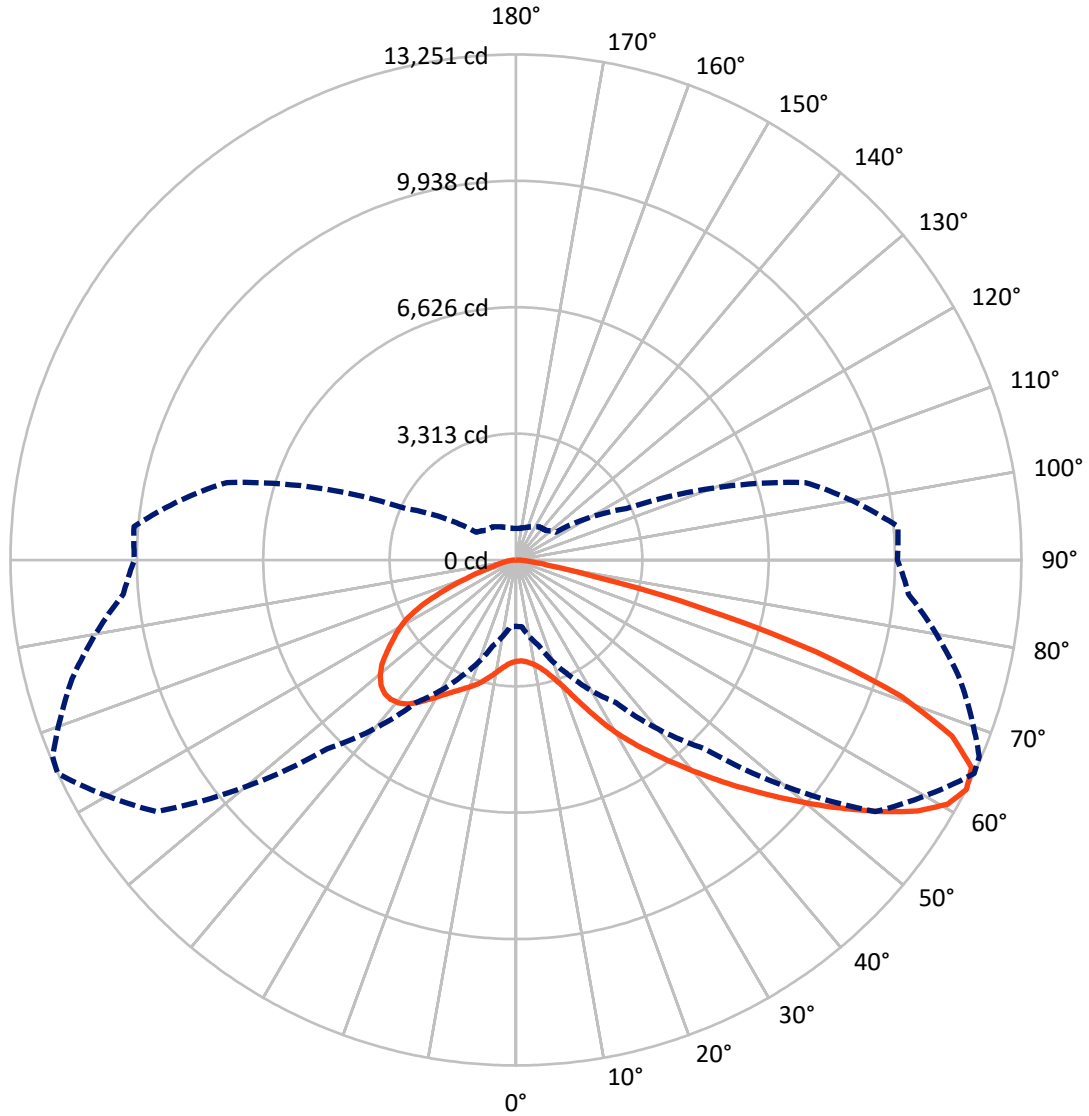
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7602.1   | 0.0    | 7602.1  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 16488.9  | 0.0    | 16488.9 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 24091.0  | 0.0    | 24091.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 264.7   | 1.1       |
| 10°-20°   | 897.5   | 3.7       |
| 20°-30°   | 1819.8  | 7.6       |
| 30°-40°   | 3149.2  | 13.1      |
| 40°-50°   | 4765.7  | 19.8      |
| 50°-60°   | 5587.5  | 23.2      |
| 60°-70°   | 4684.4  | 19.4      |
| 70°-80°   | 2586.2  | 10.7      |
| 80°-90°   | 335.9   | 1.4       |
| 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°    | 24091.0 | 100.0     |
| 0°-180°   | 24091.0 | 100.0     |

**Coefficient of Utilization**



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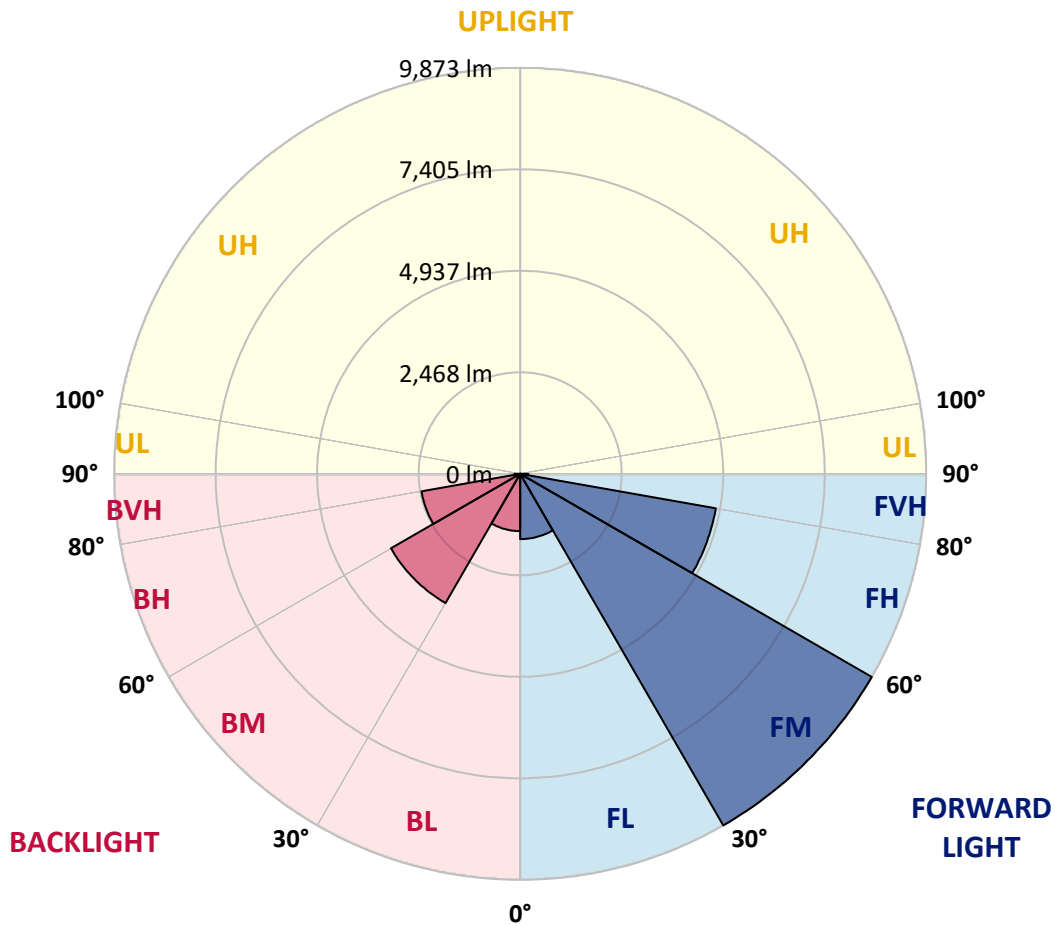
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1587.9 | 6.6       |                         |      |         |
| FM (30°-60°)   | 9873.3 | 41.0      |                         |      |         |
| FH (60°-80°)   | 4831.9 | 20.1      |                         |      | G2/5000 |
| FVH (80°-90°)  | 195.8  | 0.8       |                         |      | G2/225  |
| BL (0°-30°)    | 1394.1 | 5.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 3629.1 | 15.1      | B3/5000                 |      |         |
| BH (60°-80°)   | 2438.7 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 140.1  | 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-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2654.7 | 2654.7 | 2654.7 | 2654.7  | 2654.7  | 2654.7  | 2654.7  | 2654.7  | 2654.7  | 2654.7  |
| 2.5°  | 2637.2 | 2629.7 | 2636.0 | 2636.0  | 2638.5  | 2637.2  | 2646.0  | 2648.5  | 2652.2  | 2659.7  |
| 5°    | 2611.0 | 2609.7 | 2621.0 | 2631.0  | 2641.0  | 2649.7  | 2661.0  | 2677.2  | 2679.7  | 2688.5  |
| 7.5°  | 2602.2 | 2594.7 | 2612.2 | 2624.7  | 2648.5  | 2669.7  | 2699.7  | 2727.2  | 2738.5  | 2742.2  |
| 10°   | 2669.7 | 2657.2 | 2673.5 | 2681.0  | 2701.0  | 2722.2  | 2757.2  | 2801.0  | 2813.5  | 2828.5  |
| 12.5° | 2784.7 | 2771.0 | 2794.7 | 2806.0  | 2824.7  | 2843.5  | 2867.2  | 2909.7  | 2915.9  | 2943.4  |
| 15°   | 2942.2 | 2925.9 | 2940.9 | 2954.7  | 2985.9  | 3003.4  | 3027.2  | 3068.4  | 3068.4  | 3089.7  |
| 17.5° | 3155.9 | 3134.7 | 3145.9 | 3150.9  | 3170.9  | 3197.2  | 3237.2  | 3273.4  | 3292.2  | 3284.7  |
| 20°   | 3474.6 | 3448.4 | 3448.4 | 3423.4  | 3415.9  | 3437.1  | 3489.6  | 3539.6  | 3559.6  | 3520.9  |
| 22.5° | 3953.3 | 3915.8 | 3894.6 | 3809.6  | 3775.9  | 3778.4  | 3830.9  | 3892.1  | 3908.3  | 3839.6  |
| 25°   | 4562.0 | 4503.3 | 4474.5 | 4349.5  | 4273.3  | 4207.1  | 4248.3  | 4327.0  | 4349.5  | 4264.6  |
| 27.5° | 5170.7 | 5174.5 | 5147.0 | 4997.0  | 4870.7  | 4749.5  | 4728.3  | 4810.7  | 4834.5  | 4738.3  |
| 30°   | 6024.4 | 5935.6 | 5883.1 | 5703.2  | 5523.2  | 5353.2  | 5265.7  | 5299.4  | 5305.7  | 5190.7  |
| 32.5° | 6760.5 | 6738.0 | 6625.6 | 6468.1  | 6236.9  | 5970.6  | 5824.4  | 5770.6  | 5760.7  | 5596.9  |
| 35°   | 7599.2 | 7586.7 | 7468.0 | 7280.5  | 7030.5  | 6660.6  | 6396.8  | 6243.1  | 6230.6  | 6000.6  |
| 37.5° | 8451.6 | 8451.6 | 8335.4 | 8130.4  | 7871.7  | 7409.2  | 7008.0  | 6764.3  | 6724.3  | 6424.3  |
| 40°   | 9131.5 | 9090.3 | 9111.6 | 9025.3  | 8729.1  | 8237.9  | 7686.7  | 7333.0  | 7279.2  | 6919.3  |
| 42.5° | 9517.8 | 9504.0 | 9631.5 | 9727.7  | 9606.5  | 9214.0  | 8434.1  | 7949.2  | 7874.2  | 7464.2  |
| 45°   | 9604.0 | 9589.0 | 9816.5 | 10168.9 | 10338.9 | 10177.7 | 9246.5  | 8597.9  | 8506.6  | 8034.2  |
| 47.5° | 9405.3 | 9375.3 | 9709.0 | 10265.2 | 10810.1 | 11093.8 | 10126.4 | 9301.5  | 9169.0  | 8589.1  |
| 50°   | 8807.8 | 8779.1 | 9284.0 | 10022.7 | 10968.9 | 11716.3 | 11081.3 | 10047.7 | 9845.2  | 9184.0  |
| 52.5° | 7509.2 | 7523.0 | 8314.1 | 9329.0  | 10760.1 | 12103.7 | 11903.8 | 10833.9 | 10590.1 | 9792.7  |
| 55°   | 5849.4 | 5879.4 | 6851.8 | 7969.2  | 9925.2  | 12045.0 | 12465.0 | 11643.8 | 11401.3 | 10365.2 |
| 57.5° | 4188.3 | 4320.8 | 5232.0 | 6338.1  | 8321.6  | 11113.8 | 12587.4 | 12413.7 | 12178.7 | 10990.1 |
| 60°   | 2714.7 | 2738.5 | 3675.9 | 4790.8  | 6336.8  | 9459.0  | 12338.7 | 12997.4 | 12813.7 | 11627.5 |
| 62.5° | 1739.8 | 1756.1 | 2327.3 | 3350.9  | 4560.8  | 6998.0  | 11501.3 | 13251.1 | 13194.9 | 12048.7 |
| 65°   | 1278.6 | 1266.1 | 1563.6 | 2214.8  | 3072.2  | 4315.8  | 9875.2  | 13128.6 | 13239.9 | 12312.5 |
| 67.5° | 1067.4 | 1049.9 | 1196.1 | 1533.6  | 2263.5  | 2451.0  | 7306.7  | 12332.5 | 12739.9 | 12282.5 |
| 70°   | 972.4  | 957.4  | 1046.1 | 1138.6  | 1766.1  | 1641.1  | 3683.4  | 10721.4 | 11348.8 | 11941.3 |
| 72.5° | 823.7  | 797.4  | 918.7  | 1011.1  | 1373.6  | 1258.6  | 1522.3  | 8235.4  | 9000.3  | 10847.6 |
| 75°   | 638.7  | 621.2  | 724.9  | 889.9   | 1032.4  | 982.4   | 962.4   | 5000.7  | 5835.6  | 8389.1  |
| 77.5° | 506.2  | 482.4  | 577.4  | 693.7   | 928.7   | 741.2   | 701.2   | 2153.5  | 2980.9  | 5355.7  |
| 80°   | 381.2  | 360.0  | 438.7  | 548.7   | 713.7   | 558.7   | 453.7   | 878.7   | 1123.6  | 2713.5  |
| 82.5° | 271.2  | 252.5  | 306.2  | 402.5   | 480.0   | 501.2   | 278.7   | 492.4   | 553.7   | 1046.1  |
| 85°   | 173.7  | 162.5  | 205.0  | 252.5   | 305.0   | 322.5   | 170.0   | 257.5   | 282.5   | 431.2   |
| 87.5° | 95.0   | 77.5   | 110.0  | 117.5   | 141.2   | 128.7   | 81.2    | 93.7    | 101.2   | 156.2   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2654.7  | 0°    | 2654.7  | 2654.7  | 2654.7 | 2654.7 | 2654.7 | 2654.7 | 2654.7 | 2654.7 | 2654.7 | 2654.7 |
| 2659.7  | 2.5°  | 2664.7  | 2668.5  | 2681.0 | 2684.7 | 2693.5 | 2704.7 | 2712.2 | 2719.7 | 2719.7 | 2727.2 |
| 2699.7  | 5°    | 2701.0  | 2709.7  | 2736.0 | 2749.7 | 2772.2 | 2794.7 | 2808.5 | 2824.7 | 2834.7 | 2839.7 |
| 2763.5  | 7.5°  | 2771.0  | 2784.7  | 2822.2 | 2846.0 | 2884.7 | 2915.9 | 2937.2 | 2959.7 | 2964.7 | 2978.4 |
| 2852.2  | 10°   | 2866.0  | 2882.2  | 2924.7 | 2969.7 | 3015.9 | 3054.7 | 3074.7 | 3090.9 | 3097.2 | 3099.7 |
| 2965.9  | 12.5° | 2974.7  | 2998.4  | 3053.4 | 3108.4 | 3157.2 | 3190.9 | 3195.9 | 3192.2 | 3174.7 | 3159.7 |
| 3105.9  | 15°   | 3108.4  | 3129.7  | 3190.9 | 3250.9 | 3298.4 | 3304.7 | 3273.4 | 3253.4 | 3232.2 | 3228.4 |
| 3262.2  | 17.5° | 3268.4  | 3279.7  | 3335.9 | 3394.6 | 3398.4 | 3377.1 | 3330.9 | 3312.2 | 3292.2 | 3278.4 |
| 3465.9  | 20°   | 3454.6  | 3450.9  | 3490.9 | 3515.9 | 3489.6 | 3424.6 | 3354.7 | 3323.4 | 3303.4 | 3287.2 |
| 3715.9  | 22.5° | 3677.1  | 3648.4  | 3643.4 | 3637.1 | 3567.1 | 3430.9 | 3335.9 | 3295.9 | 3264.7 | 3242.2 |
| 4064.6  | 25°   | 4000.8  | 3890.8  | 3814.6 | 3772.1 | 3614.6 | 3397.1 | 3275.9 | 3187.2 | 3128.4 | 3089.7 |
| 4490.8  | 27.5° | 4405.8  | 4220.8  | 4028.3 | 3924.6 | 3614.6 | 3328.4 | 3130.9 | 2987.2 | 2890.9 | 2851.0 |
| 4903.2  | 30°   | 4792.0  | 4598.3  | 4314.6 | 4108.3 | 3605.9 | 3215.9 | 2897.2 | 2697.2 | 2584.7 | 2544.7 |
| 5255.7  | 32.5° | 5122.0  | 4910.7  | 4618.3 | 4309.6 | 3584.6 | 3033.4 | 2607.2 | 2386.0 | 2277.3 | 2229.8 |
| 5604.4  | 35°   | 5428.2  | 5203.2  | 4923.2 | 4530.8 | 3528.4 | 2766.0 | 2288.5 | 2119.8 | 1998.5 | 1922.3 |
| 5959.4  | 37.5° | 5741.9  | 5474.4  | 5212.0 | 4730.8 | 3427.1 | 2453.5 | 2043.5 | 1899.8 | 1757.3 | 1654.8 |
| 6336.8  | 40°   | 6083.1  | 5763.2  | 5520.7 | 4849.5 | 3260.9 | 2156.0 | 1853.6 | 1722.3 | 1571.1 | 1462.3 |
| 6771.8  | 42.5° | 6481.8  | 6109.4  | 5864.4 | 4910.7 | 3033.4 | 1944.8 | 1729.8 | 1601.1 | 1458.6 | 1369.9 |
| 7238.0  | 45°   | 6898.0  | 6490.6  | 6178.1 | 4909.5 | 2779.7 | 1846.1 | 1689.8 | 1562.3 | 1404.9 | 1312.4 |
| 7716.7  | 47.5° | 7334.2  | 6889.3  | 6449.3 | 4829.5 | 2559.7 | 1859.8 | 1667.3 | 1478.6 | 1304.9 | 1214.9 |
| 8200.4  | 50°   | 7771.7  | 7325.5  | 6711.8 | 4679.5 | 2466.0 | 1829.8 | 1583.6 | 1361.1 | 1156.1 | 1074.9 |
| 8654.1  | 52.5° | 8205.4  | 7789.2  | 6938.0 | 4465.8 | 2371.0 | 1718.6 | 1476.1 | 1208.6 | 1094.9 | 1038.6 |
| 9122.8  | 55°   | 8641.6  | 8247.9  | 7184.3 | 4154.6 | 2133.5 | 1588.6 | 1296.1 | 1151.1 | 1046.1 | 994.9  |
| 9581.5  | 57.5° | 9079.1  | 8777.8  | 7418.0 | 3843.4 | 1834.8 | 1428.6 | 1197.4 | 1081.1 | 997.4  | 953.7  |
| 9965.2  | 60°   | 9534.0  | 9384.0  | 7659.2 | 3557.1 | 1539.8 | 1223.6 | 1124.9 | 1024.9 | 939.9  | 891.2  |
| 10333.9 | 62.5° | 10002.7 | 10051.5 | 7847.9 | 3188.4 | 1268.6 | 1098.6 | 1059.9 | 957.4  | 874.9  | 828.7  |
| 10638.9 | 65°   | 10475.2 | 10695.1 | 7971.7 | 2677.2 | 1028.6 | 979.9  | 989.9  | 883.7  | 799.9  | 759.9  |
| 10862.6 | 67.5° | 10831.4 | 11158.8 | 7936.7 | 2026.0 | 843.7  | 867.4  | 902.4  | 806.2  | 727.4  | 696.2  |
| 10826.4 | 70°   | 10871.4 | 11103.8 | 7591.7 | 1387.4 | 706.2  | 757.4  | 804.9  | 729.9  | 648.7  | 626.2  |
| 10316.4 | 72.5° | 10338.9 | 10353.9 | 6630.6 | 906.2  | 597.4  | 664.9  | 702.4  | 652.4  | 573.7  | 551.2  |
| 9025.3  | 75°   | 8942.8  | 8562.9  | 4868.2 | 597.4  | 499.9  | 571.2  | 606.2  | 571.2  | 494.9  | 499.9  |
| 6753.0  | 77.5° | 6775.5  | 6064.4  | 2955.9 | 425.0  | 417.5  | 480.0  | 527.4  | 502.4  | 437.5  | 491.2  |
| 3395.9  | 80°   | 3490.9  | 3280.9  | 1318.6 | 317.5  | 330.0  | 383.7  | 433.7  | 401.2  | 346.2  | 330.0  |
| 758.7   | 82.5° | 799.9   | 929.9   | 519.9  | 227.5  | 238.7  | 276.2  | 331.2  | 301.2  | 248.7  | 210.0  |
| 316.2   | 85°   | 280.0   | 306.2   | 230.0  | 142.5  | 140.0  | 172.5  | 225.0  | 201.2  | 168.7  | 135.0  |
| 133.7   | 87.5° | 88.7    | 116.2   | 86.2   | 57.5   | 60.0   | 77.5   | 103.7  | 95.0   | 78.7   | 51.2   |
| 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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| <u>180°</u> |
|-------------|
| 2654.7      |
| 2727.2      |
| 2842.2      |
| 2973.4      |
| 3093.4      |
| 3159.7      |
| 3228.4      |
| 3279.7      |
| 3288.4      |
| 3249.7      |
| 3104.7      |
| 2871.0      |
| 2568.5      |
| 2253.5      |
| 1947.3      |
| 1682.3      |
| 1483.6      |
| 1387.4      |
| 1327.4      |
| 1227.4      |
| 1079.9      |
| 1038.6      |
| 989.9       |
| 946.2       |
| 887.4       |
| 827.4       |
| 758.7       |
| 697.4       |
| 627.4       |
| 549.9       |
| 482.4       |
| 432.5       |
| 301.2       |
| 207.5       |
| 142.5       |
| 53.7        |
| 0.0         |

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