

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: P940467

Luminaire Tested: **GLAN-SB3C-750-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-750-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23789 lumens  
Efficiency: N/A  
Efficacy: 159.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - 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

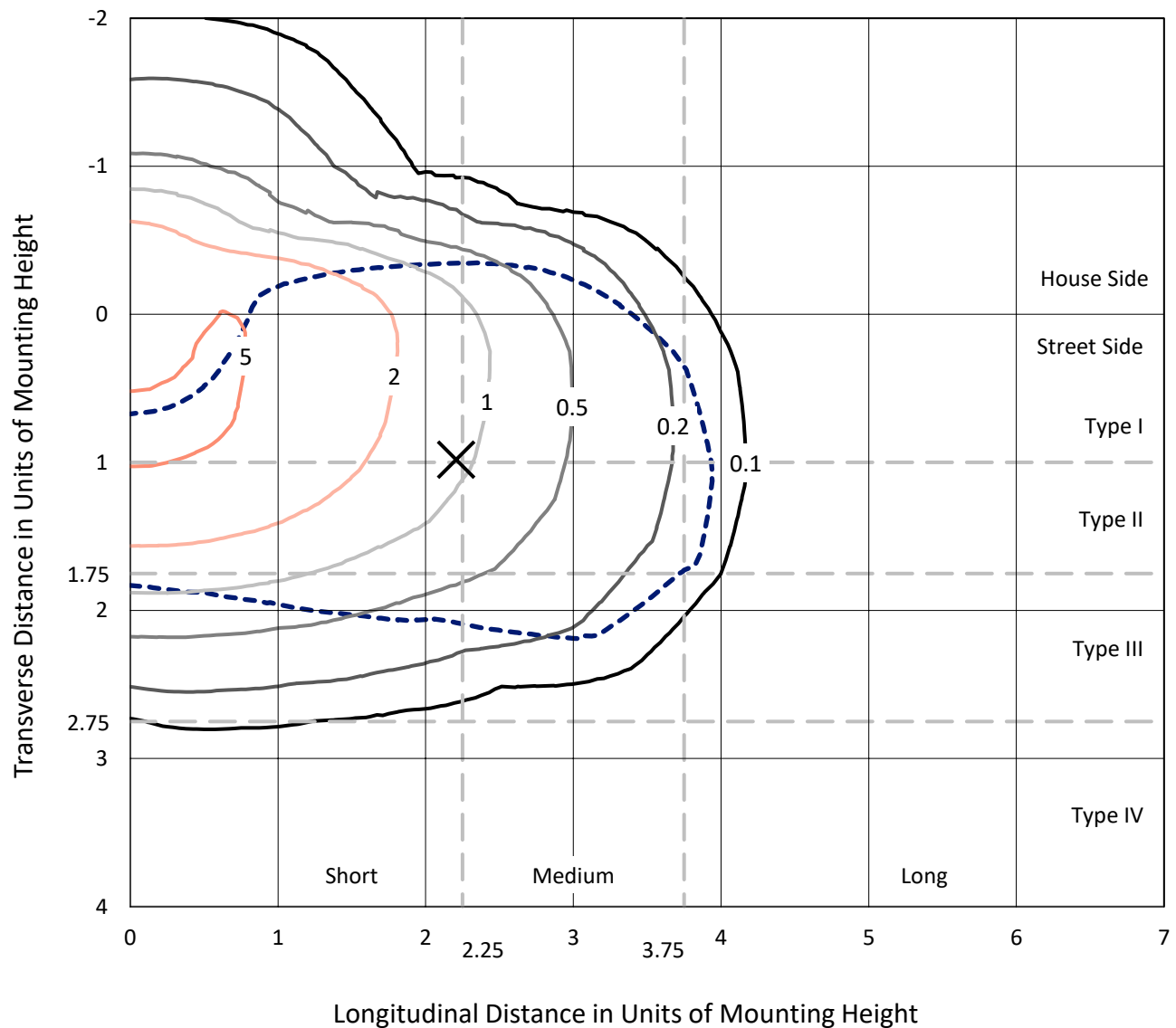


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

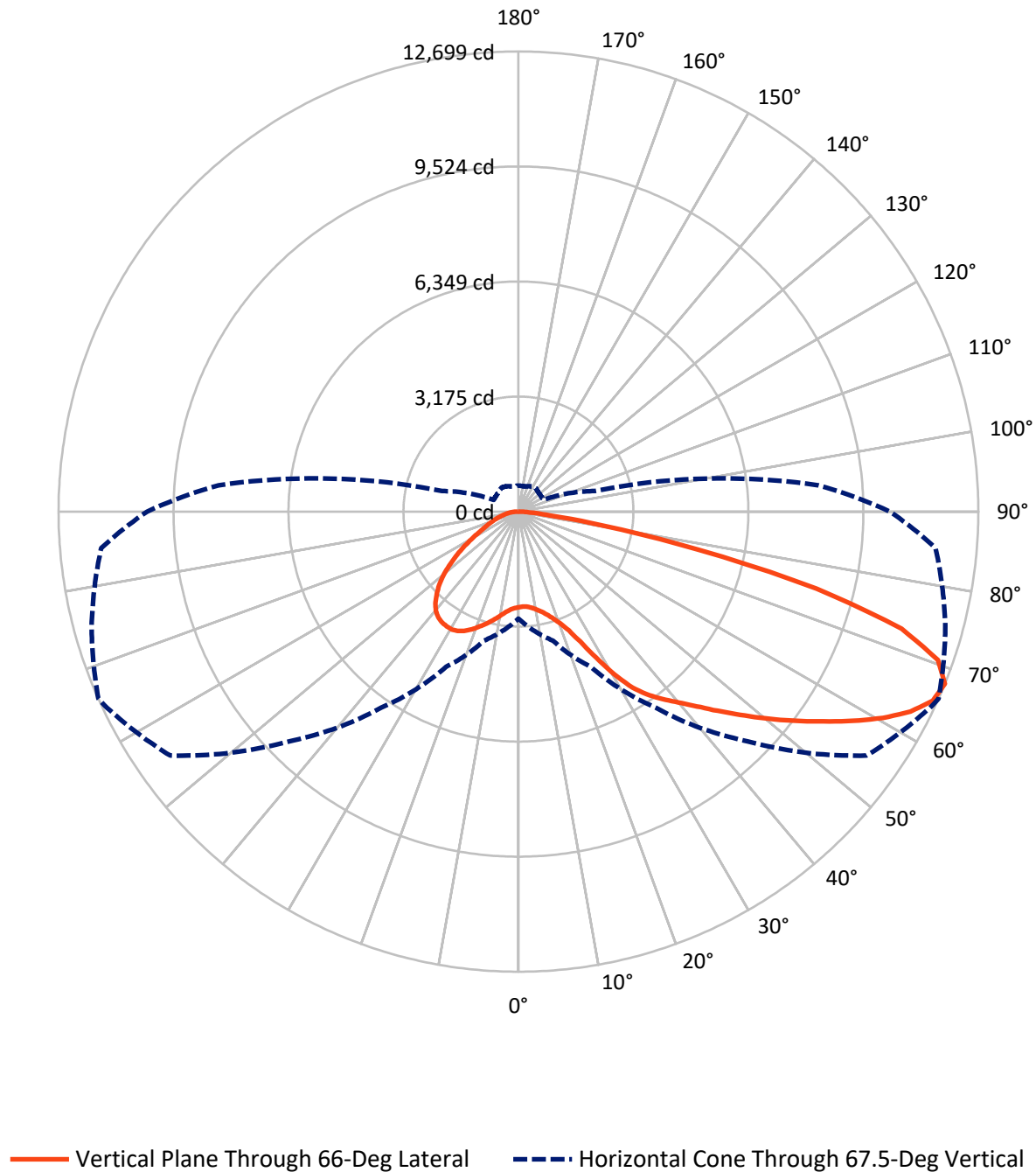


Based on 25 foot mounting height. Maximum calculated value = 6 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5915.1   | 0.0    | 5915.1  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 17873.9  | 0.0    | 17873.9 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 23789.0  | 0.0    | 23789.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 261.6   | 1.1       |
| 10°-20°   | 864.3   | 3.6       |
| 20°-30°   | 1665.9  | 7.0       |
| 30°-40°   | 2920.9  | 12.3      |
| 40°-50°   | 4342.4  | 18.3      |
| 50°-60°   | 5504.4  | 23.1      |
| 60°-70°   | 5385.9  | 22.6      |
| 70°-80°   | 2569.1  | 10.8      |
| 80°-90°   | 274.6   | 1.2       |
| 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°    | 23789.0 | 100.0     |
| 0°-180°   | 23789.0 | 100.0     |

**Coefficient of Utilization**



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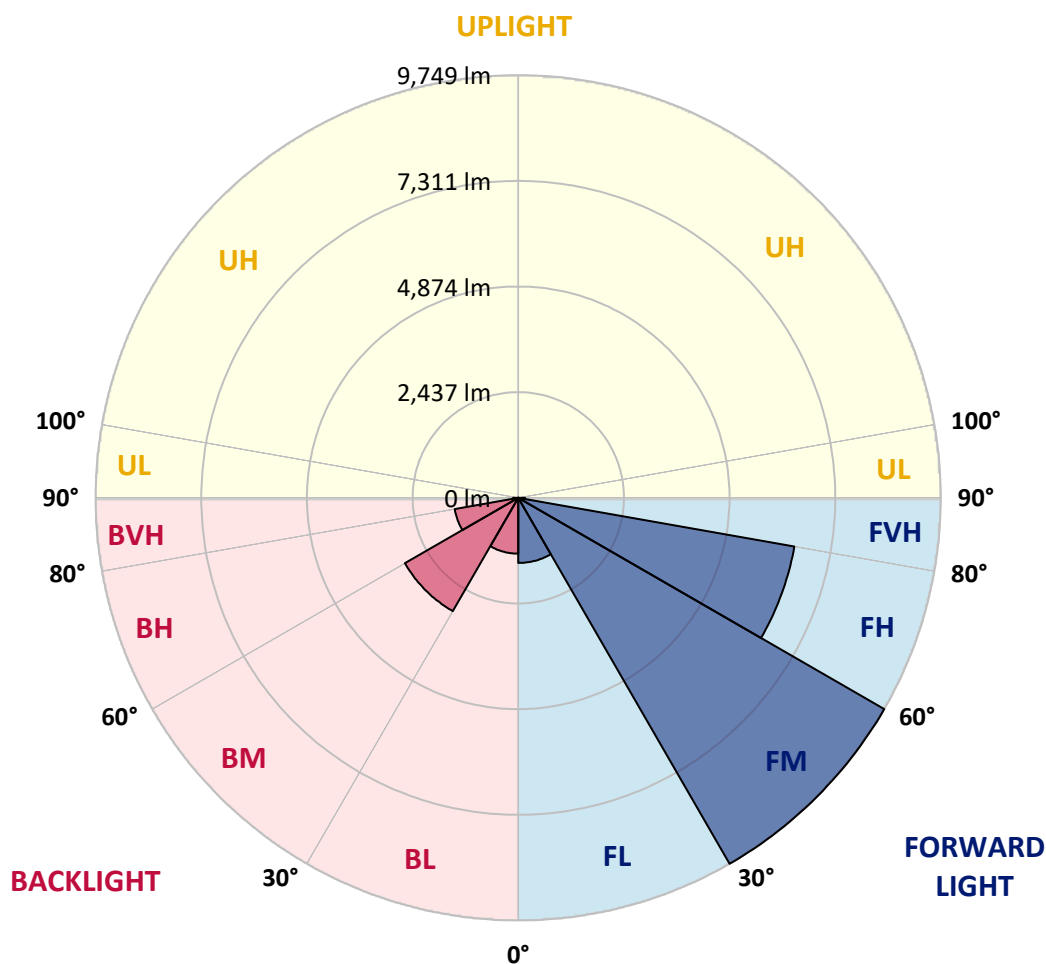
CATALOG NUMBER: GLAN-SB3C-750-U-T3

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1503.2 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 9748.5 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6466.5 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 155.7  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1288.5 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3019.1 | 12.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1488.5 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 118.9  | 0.5       |                         |      | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5  | 2638.5  | 2638.5  | 2638.5  | 2638.5  | 2638.5  |
| 2.5°  | 2611.0 | 2626.0 | 2622.3 | 2616.0 | 2614.8  | 2617.3  | 2621.0  | 2624.8  | 2623.5  | 2629.8  |
| 5°    | 2603.5 | 2618.5 | 2617.3 | 2617.3 | 2622.3  | 2632.3  | 2638.5  | 2644.8  | 2638.5  | 2646.0  |
| 7.5°  | 2608.5 | 2619.8 | 2624.8 | 2629.8 | 2642.3  | 2661.0  | 2676.0  | 2689.8  | 2682.3  | 2691.0  |
| 10°   | 2672.3 | 2681.0 | 2686.0 | 2686.0 | 2694.8  | 2716.0  | 2731.0  | 2756.0  | 2749.8  | 2763.5  |
| 12.5° | 2788.5 | 2797.3 | 2797.3 | 2792.3 | 2798.5  | 2812.2  | 2817.2  | 2844.7  | 2833.5  | 2856.0  |
| 15°   | 2931.0 | 2948.5 | 2934.7 | 2926.0 | 2928.5  | 2942.2  | 2941.0  | 2962.2  | 2951.0  | 2969.7  |
| 17.5° | 3088.5 | 3111.0 | 3088.5 | 3087.2 | 3082.2  | 3097.2  | 3098.5  | 3117.2  | 3097.2  | 3111.0  |
| 20°   | 3274.7 | 3306.0 | 3287.2 | 3293.5 | 3282.2  | 3288.5  | 3294.7  | 3322.2  | 3291.0  | 3301.0  |
| 22.5° | 3537.2 | 3574.7 | 3554.7 | 3578.4 | 3570.9  | 3565.9  | 3564.7  | 3613.4  | 3564.7  | 3568.4  |
| 25°   | 3919.7 | 3964.6 | 3929.6 | 3962.1 | 3962.1  | 3978.4  | 3997.1  | 4059.6  | 3978.4  | 3954.6  |
| 27.5° | 4484.6 | 4529.6 | 4460.9 | 4480.9 | 4474.6  | 4514.6  | 4494.6  | 4649.6  | 4562.1  | 4523.3  |
| 30°   | 5164.5 | 5244.5 | 5114.5 | 5109.5 | 5103.3  | 5167.0  | 5195.8  | 5298.3  | 5209.5  | 5170.8  |
| 32.5° | 5899.5 | 5983.2 | 5828.2 | 5783.2 | 5759.5  | 5798.2  | 5774.5  | 5857.0  | 5795.7  | 5735.7  |
| 35°   | 6676.9 | 6759.4 | 6611.9 | 6524.4 | 6429.4  | 6348.2  | 6263.2  | 6284.4  | 6226.9  | 6135.7  |
| 37.5° | 7411.8 | 7563.1 | 7406.8 | 7313.1 | 7138.1  | 6979.4  | 6741.9  | 6643.2  | 6589.4  | 6505.7  |
| 40°   | 8160.5 | 8246.8 | 8128.0 | 8048.0 | 7858.0  | 7609.3  | 7229.4  | 7020.6  | 6948.1  | 6866.9  |
| 42.5° | 8711.7 | 8794.2 | 8730.5 | 8675.5 | 8526.7  | 8238.0  | 7746.8  | 7485.6  | 7380.6  | 7289.3  |
| 45°   | 9149.2 | 9210.4 | 9170.4 | 9190.4 | 9126.7  | 8846.7  | 8283.0  | 7984.3  | 7875.5  | 7764.3  |
| 47.5° | 9325.4 | 9390.4 | 9454.2 | 9572.9 | 9681.6  | 9475.4  | 8859.2  | 8524.2  | 8409.2  | 8295.5  |
| 50°   | 9305.4 | 9371.7 | 9556.6 | 9809.1 | 10146.6 | 10077.9 | 9466.7  | 9099.2  | 8992.9  | 8863.0  |
| 52.5° | 9145.4 | 9220.4 | 9457.9 | 9877.9 | 10415.3 | 10529.1 | 10085.3 | 9692.9  | 9592.9  | 9437.9  |
| 55°   | 8725.5 | 8770.5 | 9126.7 | 9721.6 | 10479.1 | 10844.0 | 10691.5 | 10325.3 | 10225.3 | 10009.1 |
| 57.5° | 7946.8 | 8011.8 | 8530.5 | 9300.4 | 10319.1 | 11057.8 | 11224.0 | 10990.3 | 10894.0 | 10582.8 |
| 60°   | 6930.6 | 7034.4 | 7628.1 | 8593.0 | 9911.6  | 11056.5 | 11707.7 | 11644.0 | 11564.0 | 11147.8 |
| 62.5° | 5780.7 | 5900.7 | 6471.9 | 7593.1 | 9199.2  | 10742.8 | 12010.2 | 12191.4 | 12150.2 | 11669.0 |
| 65°   | 4439.6 | 4522.1 | 5090.8 | 6299.4 | 8090.5  | 10069.1 | 12045.2 | 12565.1 | 12572.6 | 12065.2 |
| 67.5° | 2956.0 | 3193.5 | 3687.2 | 4727.1 | 6605.7  | 8967.9  | 11737.7 | 12626.4 | 12698.9 | 12201.4 |
| 70°   | 1442.4 | 1754.8 | 2238.6 | 3072.2 | 4727.1  | 7279.4  | 10934.0 | 12123.9 | 12285.2 | 11803.9 |
| 72.5° | 598.7  | 699.9  | 963.7  | 1516.1 | 2713.5  | 4912.1  | 9319.2  | 10761.5 | 11060.3 | 10459.1 |
| 75°   | 403.7  | 437.5  | 551.2  | 777.4  | 1236.1  | 2422.3  | 6720.7  | 8024.3  | 8505.5  | 7899.3  |
| 77.5° | 311.2  | 332.5  | 401.2  | 543.7  | 734.9   | 916.2   | 3597.2  | 4835.8  | 5084.5  | 4707.1  |
| 80°   | 245.0  | 261.2  | 300.0  | 396.2  | 521.2   | 490.0   | 1226.1  | 2191.1  | 2334.8  | 1958.6  |
| 82.5° | 212.5  | 218.7  | 215.0  | 268.7  | 346.2   | 286.2   | 402.5   | 808.7   | 892.4   | 647.4   |
| 85°   | 153.7  | 171.2  | 178.7  | 166.2  | 183.7   | 145.0   | 165.0   | 286.2   | 315.0   | 281.2   |
| 87.5° | 62.5   | 92.5   | 113.7  | 107.5  | 67.5    | 41.2    | 51.2    | 83.7    | 96.2    | 105.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2638.5  | 0°    | 2638.5  | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5 | 2638.5 |
| 2639.8  | 2.5°  | 2641.0  | 2649.8 | 2656.0 | 2663.5 | 2668.5 | 2676.0 | 2691.0 | 2699.8 | 2701.0 | 2707.3 |
| 2659.8  | 5°    | 2664.8  | 2677.3 | 2691.0 | 2711.0 | 2733.5 | 2752.3 | 2781.0 | 2801.0 | 2808.5 | 2814.7 |
| 2708.5  | 7.5°  | 2716.0  | 2733.5 | 2758.5 | 2793.5 | 2826.0 | 2851.0 | 2886.0 | 2909.7 | 2933.5 | 2942.2 |
| 2786.0  | 10°   | 2792.3  | 2817.2 | 2853.5 | 2901.0 | 2936.0 | 2968.5 | 3004.7 | 3024.7 | 3048.5 | 3058.5 |
| 2878.5  | 12.5° | 2887.2  | 2913.5 | 2961.0 | 3027.2 | 3059.7 | 3082.2 | 3094.7 | 3089.7 | 3094.7 | 3103.5 |
| 2989.7  | 15°   | 2996.0  | 3024.7 | 3078.5 | 3149.7 | 3172.2 | 3152.2 | 3124.7 | 3099.7 | 3096.0 | 3098.5 |
| 3124.7  | 17.5° | 3124.7  | 3146.0 | 3208.5 | 3268.5 | 3252.2 | 3169.7 | 3109.7 | 3069.7 | 3049.7 | 3043.5 |
| 3297.2  | 20°   | 3304.7  | 3304.7 | 3356.0 | 3393.4 | 3284.7 | 3144.7 | 3051.0 | 2986.0 | 2944.7 | 2927.2 |
| 3532.2  | 22.5° | 3523.4  | 3503.4 | 3535.9 | 3509.7 | 3278.5 | 3074.7 | 2944.7 | 2832.2 | 2769.8 | 2744.8 |
| 3860.9  | 25°   | 3800.9  | 3777.2 | 3768.4 | 3605.9 | 3233.5 | 2963.5 | 2752.3 | 2616.0 | 2561.0 | 2547.3 |
| 4334.6  | 27.5° | 4219.6  | 4159.6 | 4045.9 | 3658.4 | 3151.0 | 2788.5 | 2527.3 | 2401.0 | 2369.8 | 2371.0 |
| 4943.3  | 30°   | 4777.1  | 4657.1 | 4378.4 | 3667.2 | 3016.0 | 2541.0 | 2297.3 | 2207.3 | 2192.3 | 2198.6 |
| 5454.5  | 32.5° | 5293.3  | 5179.5 | 4718.3 | 3627.2 | 2808.5 | 2298.5 | 2091.1 | 2031.1 | 2008.6 | 2016.1 |
| 5844.5  | 35°   | 5698.2  | 5667.0 | 5033.3 | 3570.9 | 2553.5 | 2071.1 | 1906.1 | 1854.8 | 1811.1 | 1801.1 |
| 6211.9  | 37.5° | 6080.7  | 6068.2 | 5269.5 | 3492.2 | 2301.0 | 1909.8 | 1757.3 | 1689.8 | 1626.1 | 1591.1 |
| 6618.2  | 40°   | 6500.7  | 6488.2 | 5424.5 | 3370.9 | 2077.3 | 1769.8 | 1623.6 | 1534.9 | 1456.1 | 1392.4 |
| 7078.1  | 42.5° | 6973.1  | 6899.4 | 5498.3 | 3197.2 | 1887.3 | 1651.1 | 1514.9 | 1394.9 | 1291.1 | 1232.4 |
| 7598.1  | 45°   | 7489.3  | 7323.1 | 5497.0 | 2976.0 | 1727.3 | 1542.4 | 1398.6 | 1228.6 | 1132.4 | 1077.4 |
| 8131.8  | 47.5° | 8036.8  | 7728.1 | 5429.5 | 2731.0 | 1572.4 | 1422.4 | 1218.6 | 1088.7 | 1024.9 | 991.2  |
| 8711.7  | 50°   | 8601.7  | 8106.8 | 5314.5 | 2449.8 | 1413.6 | 1286.1 | 1106.2 | 1017.4 | 968.7  | 937.4  |
| 9286.7  | 52.5° | 9132.9  | 8450.5 | 5175.8 | 2131.1 | 1252.4 | 1153.6 | 1056.2 | 987.4  | 936.2  | 901.2  |
| 9844.1  | 55°   | 9626.6  | 8746.7 | 4979.6 | 1804.8 | 1121.1 | 1064.9 | 1032.4 | 974.9  | 916.2  | 874.9  |
| 10410.3 | 57.5° | 10065.4 | 8939.2 | 4640.8 | 1498.6 | 1027.4 | 1003.7 | 1007.4 | 953.7  | 886.2  | 851.2  |
| 10967.8 | 60°   | 10430.3 | 9080.4 | 4139.6 | 1214.9 | 951.2  | 943.7  | 968.7  | 913.7  | 834.9  | 794.9  |
| 11439.0 | 62.5° | 10649.0 | 9077.9 | 3524.7 | 994.9  | 886.2  | 888.7  | 917.4  | 863.7  | 783.7  | 746.2  |
| 11685.2 | 65°   | 10630.3 | 8855.5 | 2849.7 | 851.2  | 823.7  | 826.2  | 863.7  | 808.7  | 741.2  | 718.7  |
| 11561.5 | 67.5° | 10254.1 | 8313.0 | 2186.1 | 757.4  | 754.9  | 766.2  | 809.9  | 771.2  | 714.9  | 712.4  |
| 10824.0 | 70°   | 9235.4  | 7186.9 | 1574.9 | 682.4  | 683.7  | 699.9  | 757.4  | 747.4  | 701.2  | 706.2  |
| 9100.4  | 72.5° | 7405.6  | 5479.5 | 1057.4 | 603.7  | 604.9  | 631.2  | 707.4  | 728.7  | 687.4  | 753.7  |
| 6456.9  | 75°   | 4932.1  | 3417.2 | 679.9  | 520.0  | 521.2  | 555.0  | 663.7  | 692.4  | 649.9  | 751.2  |
| 3359.7  | 77.5° | 2369.8  | 1536.1 | 492.5  | 437.5  | 437.5  | 468.7  | 573.7  | 619.9  | 553.7  | 583.7  |
| 1079.9  | 80°   | 818.7   | 577.4  | 387.5  | 352.5  | 345.0  | 366.2  | 483.7  | 537.5  | 477.5  | 440.0  |
| 352.5   | 82.5° | 322.5   | 300.0  | 311.2  | 273.7  | 248.7  | 262.5  | 376.2  | 443.7  | 351.2  | 317.5  |
| 198.7   | 85°   | 185.0   | 195.0  | 220.0  | 181.2  | 143.7  | 161.2  | 276.2  | 318.7  | 265.0  | 233.7  |
| 65.0    | 87.5° | 50.0    | 68.7   | 101.2  | 93.7   | 65.0   | 68.7   | 131.2  | 176.2  | 152.5  | 117.5  |
| 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°   |
|--------|
| 2638.5 |
| 2706.0 |
| 2813.5 |
| 2943.5 |
| 3063.5 |
| 3106.0 |
| 3107.2 |
| 3052.2 |
| 2923.5 |
| 2741.0 |
| 2549.8 |
| 2374.8 |
| 2219.8 |
| 2026.1 |
| 1808.6 |
| 1592.4 |
| 1398.6 |
| 1236.1 |
| 1074.9 |
| 983.7  |
| 926.2  |
| 886.2  |
| 858.7  |
| 828.7  |
| 777.4  |
| 734.9  |
| 717.4  |
| 716.2  |
| 704.9  |
| 763.7  |
| 757.4  |
| 535.0  |
| 412.5  |
| 316.2  |
| 238.7  |
| 121.2  |
| 0.0    |