

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: P950747

Luminaire Tested: **GLAN-SB5A-835-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950747  
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: STREETWORKS  
Catalog Number: GLAN-SB5A-835-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21299 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7  
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

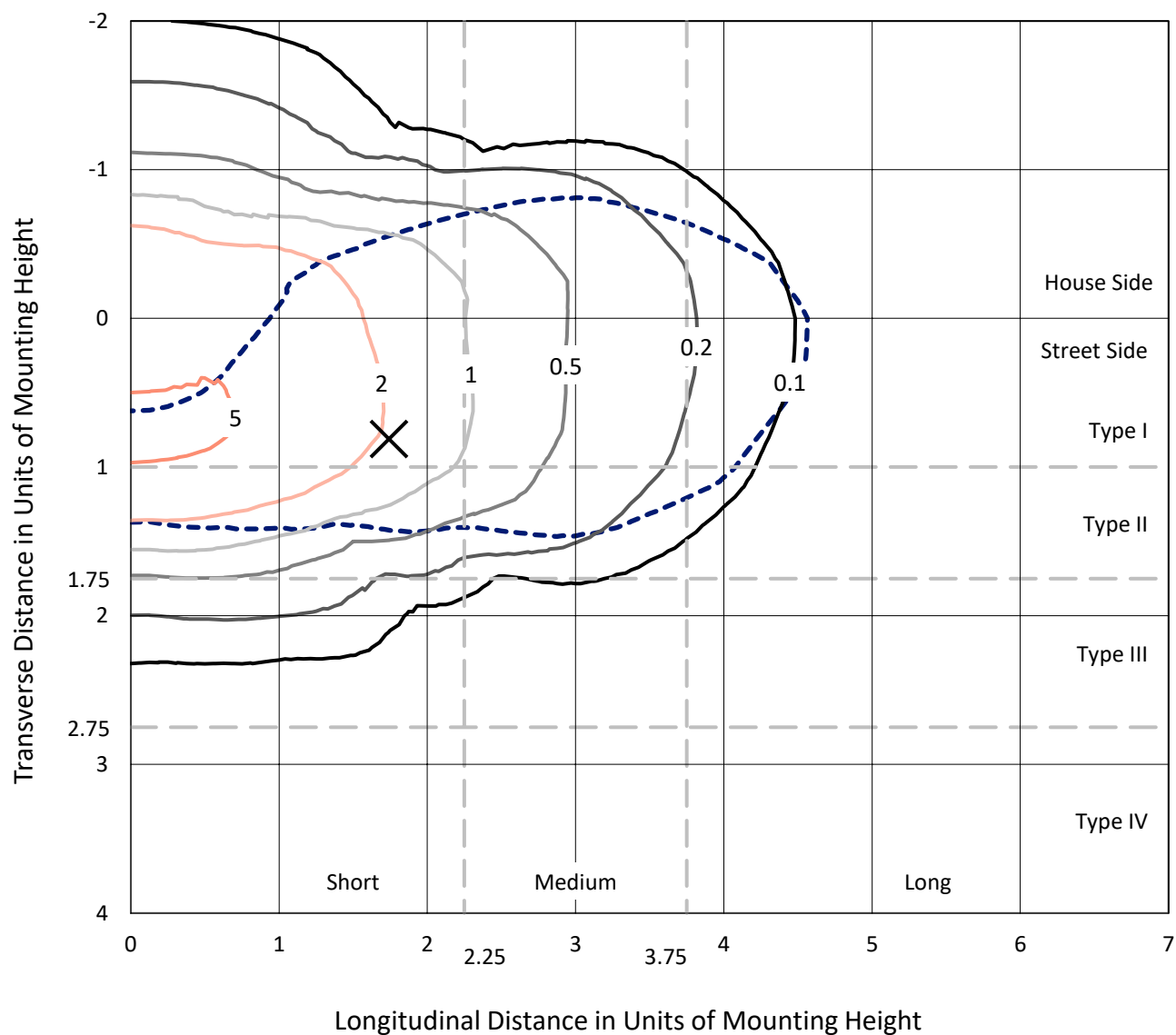


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

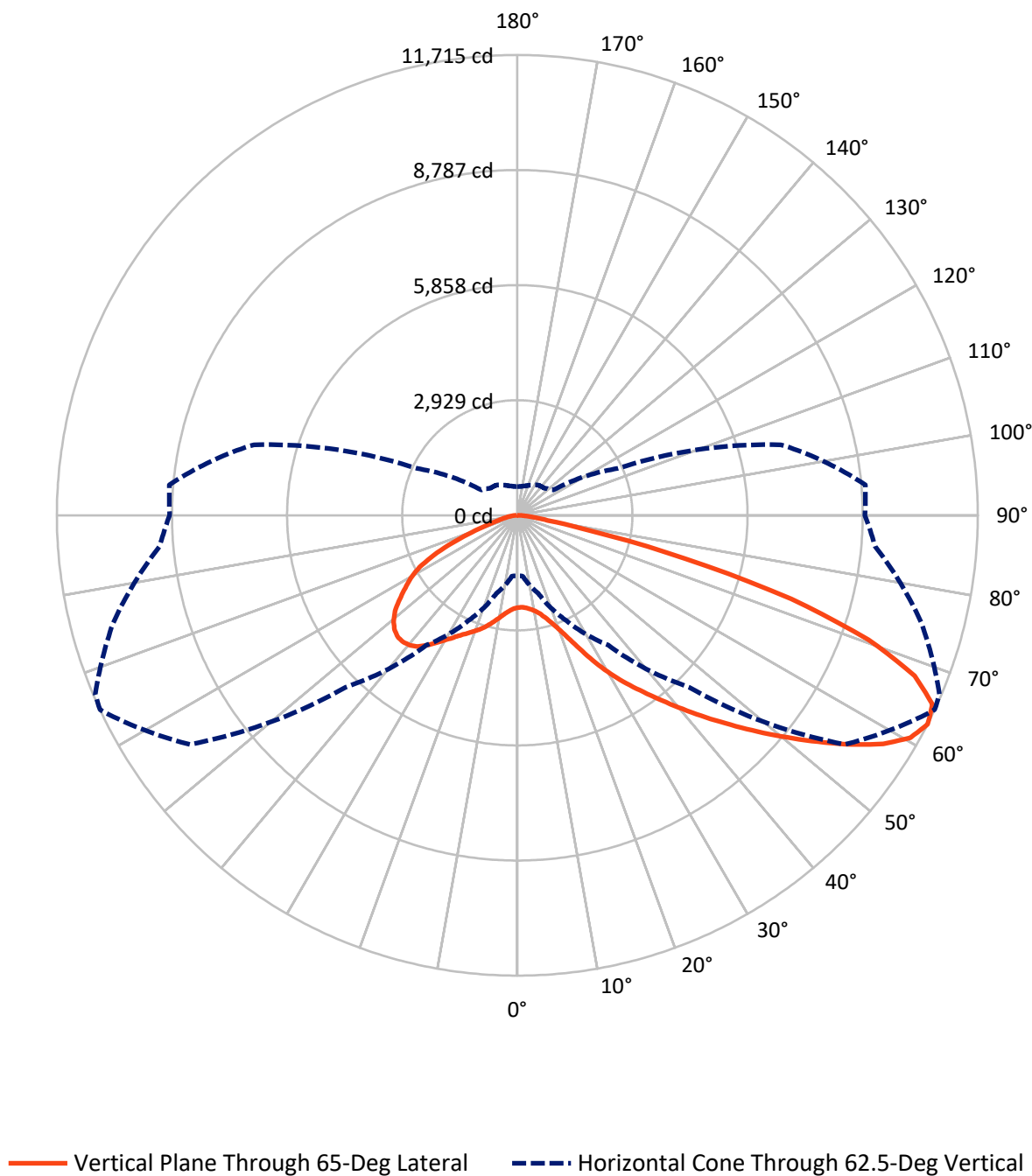


Based on 25 foot mounting height. Maximum calculated value = 6 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB5A-835-U-T2U

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6721.0   | 0.0    | 6721.0  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 14578.0  | 0.0    | 14578.0 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 21299.0  | 0.0    | 21299.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 234.0   | 1.1       |
| 10°-20°   | 793.5   | 3.7       |
| 20°-30°   | 1608.9  | 7.6       |
| 30°-40°   | 2784.2  | 13.1      |
| 40°-50°   | 4213.4  | 19.8      |
| 50°-60°   | 4939.9  | 23.2      |
| 60°-70°   | 4141.5  | 19.4      |
| 70°-80°   | 2286.5  | 10.7      |
| 80°-90°   | 297.0   | 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°    | 21299.0 | 100.0     |
| 0°-180°   | 21299.0 | 100.0     |

**Coefficient of Utilization**



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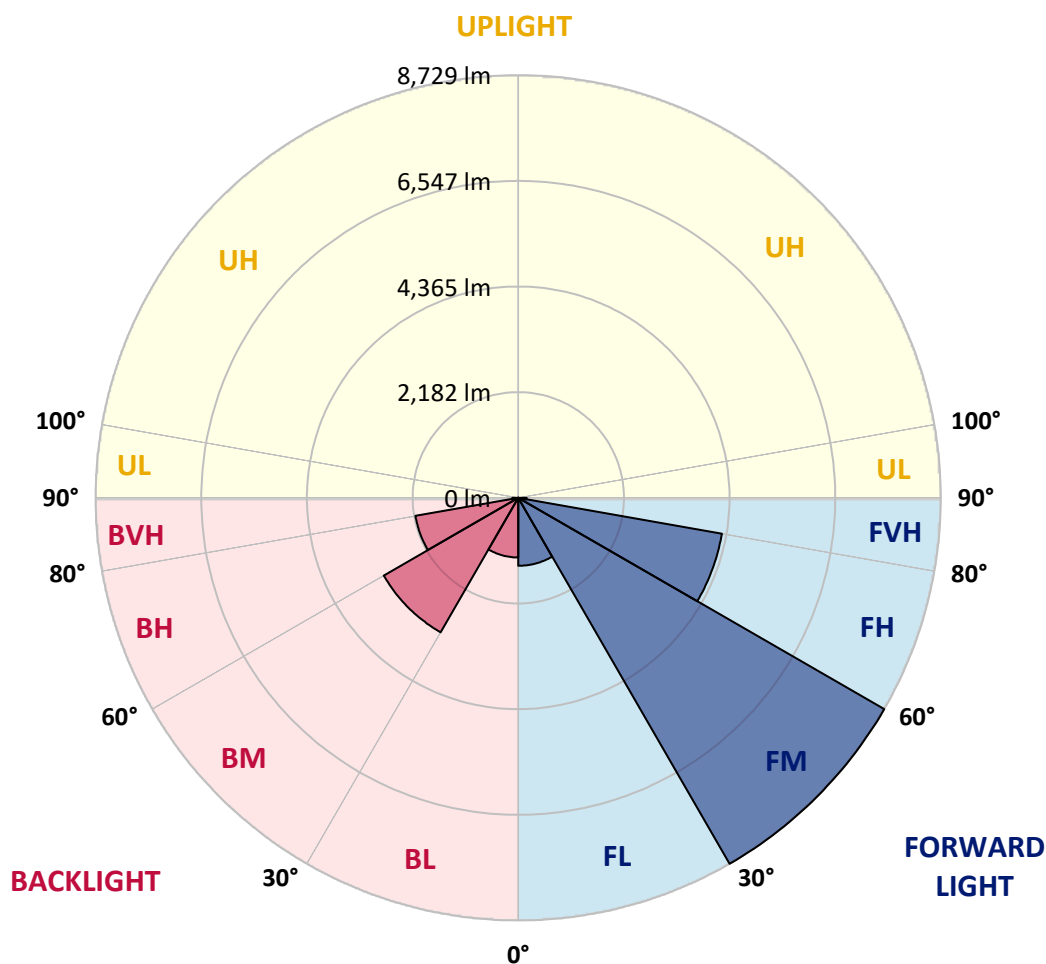
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1403.9 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 8729.0 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 4272.0 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 173.1  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1232.6 | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3208.5 | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2156.0 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 123.9  | 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°    | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1  | 2347.1  | 2347.1  | 2347.1  | 2347.1  |
| 2.5°  | 2331.6 | 2325.0 | 2330.5 | 2330.5 | 2332.7 | 2331.6  | 2339.3  | 2341.5  | 2344.8  | 2351.5  |
| 5°    | 2308.4 | 2307.3 | 2317.2 | 2326.1 | 2334.9 | 2342.6  | 2352.6  | 2366.9  | 2369.2  | 2376.9  |
| 7.5°  | 2300.6 | 2294.0 | 2309.5 | 2320.5 | 2341.5 | 2360.3  | 2386.8  | 2411.1  | 2421.1  | 2424.4  |
| 10°   | 2360.3 | 2349.3 | 2363.6 | 2370.3 | 2387.9 | 2406.7  | 2437.7  | 2476.3  | 2487.4  | 2500.7  |
| 12.5° | 2462.0 | 2449.8 | 2470.8 | 2480.8 | 2497.3 | 2513.9  | 2534.9  | 2572.5  | 2578.0  | 2602.3  |
| 15°   | 2601.2 | 2586.8 | 2600.1 | 2612.3 | 2639.9 | 2655.4  | 2676.4  | 2712.8  | 2712.8  | 2731.6  |
| 17.5° | 2790.2 | 2771.4 | 2781.3 | 2785.7 | 2803.4 | 2826.6  | 2862.0  | 2894.0  | 2910.6  | 2904.0  |
| 20°   | 3071.9 | 3048.7 | 3048.7 | 3026.6 | 3020.0 | 3038.8  | 3085.2  | 3129.4  | 3147.1  | 3112.8  |
| 22.5° | 3495.2 | 3462.0 | 3443.2 | 3368.1 | 3338.3 | 3340.5  | 3386.9  | 3441.0  | 3455.4  | 3394.6  |
| 25°   | 4033.3 | 3981.4 | 3956.0 | 3845.5 | 3778.1 | 3719.5  | 3756.0  | 3825.6  | 3845.5  | 3770.3  |
| 27.5° | 4571.5 | 4574.8 | 4550.5 | 4417.9 | 4306.3 | 4199.1  | 4180.3  | 4253.2  | 4274.2  | 4189.1  |
| 30°   | 5326.2 | 5247.7 | 5201.3 | 5042.2 | 4883.1 | 4732.8  | 4655.4  | 4685.3  | 4690.8  | 4589.1  |
| 32.5° | 5977.0 | 5957.2 | 5857.7 | 5718.5 | 5514.0 | 5278.7  | 5149.4  | 5101.9  | 5093.0  | 4948.3  |
| 35°   | 6718.5 | 6707.5 | 6602.5 | 6436.7 | 6215.7 | 5888.6  | 5655.5  | 5519.6  | 5508.5  | 5305.2  |
| 37.5° | 7472.1 | 7472.1 | 7369.4 | 7188.1 | 6959.4 | 6550.5  | 6195.8  | 5980.4  | 5945.0  | 5679.8  |
| 40°   | 8073.3 | 8036.8 | 8055.6 | 7979.3 | 7717.4 | 7283.2  | 6795.9  | 6483.1  | 6435.6  | 6117.4  |
| 42.5° | 8414.7 | 8402.6 | 8515.3 | 8600.4 | 8493.2 | 8146.2  | 7456.7  | 7027.9  | 6961.6  | 6599.2  |
| 45°   | 8491.0 | 8477.7 | 8678.8 | 8990.4 | 9140.7 | 8998.2  | 8174.9  | 7601.4  | 7520.7  | 7103.1  |
| 47.5° | 8315.3 | 8288.7 | 8583.8 | 9075.5 | 9557.3 | 9808.1  | 8952.9  | 8223.5  | 8106.4  | 7593.7  |
| 50°   | 7787.1 | 7761.6 | 8208.1 | 8861.1 | 9697.6 | 10358.4 | 9797.1  | 8883.2  | 8704.2  | 8119.7  |
| 52.5° | 6638.9 | 6651.1 | 7350.6 | 8247.9 | 9513.1 | 10701.0 | 10524.2 | 9578.3  | 9362.8  | 8657.8  |
| 55°   | 5171.5 | 5198.0 | 6057.7 | 7045.6 | 8774.9 | 10649.1 | 11020.3 | 10294.3 | 10080.0 | 9163.9  |
| 57.5° | 3702.9 | 3820.0 | 4625.6 | 5603.5 | 7357.2 | 9825.8  | 11128.6 | 10975.0 | 10767.3 | 9716.4  |
| 60°   | 2400.1 | 2421.1 | 3249.9 | 4235.5 | 5602.4 | 8362.8  | 10908.7 | 11491.1 | 11328.6 | 10280.0 |
| 62.5° | 1538.2 | 1552.5 | 2057.5 | 2962.6 | 4032.2 | 6187.0  | 10168.4 | 11715.4 | 11665.7 | 10652.4 |
| 65°   | 1130.4 | 1119.4 | 1382.4 | 1958.1 | 2716.1 | 3815.6  | 8730.7  | 11607.1 | 11705.5 | 10885.5 |
| 67.5° | 943.7  | 928.2  | 1057.5 | 1355.9 | 2001.2 | 2166.9  | 6459.9  | 10903.2 | 11263.4 | 10859.0 |
| 70°   | 859.7  | 846.4  | 924.9  | 1006.7 | 1561.4 | 1450.9  | 3256.5  | 9478.8  | 10033.6 | 10557.3 |
| 72.5° | 728.2  | 705.0  | 812.2  | 894.0  | 1214.4 | 1112.8  | 1345.9  | 7281.0  | 7957.2  | 9590.4  |
| 75°   | 564.7  | 549.2  | 640.9  | 786.8  | 912.7  | 868.5   | 850.9   | 4421.2  | 5159.3  | 7416.9  |
| 77.5° | 447.5  | 426.5  | 510.5  | 613.3  | 821.0  | 655.3   | 619.9   | 1903.9  | 2635.5  | 4735.0  |
| 80°   | 337.0  | 318.2  | 387.9  | 485.1  | 631.0  | 493.9   | 401.1   | 776.8   | 993.4   | 2399.0  |
| 82.5° | 239.8  | 223.2  | 270.7  | 355.8  | 424.3  | 443.1   | 246.4   | 435.4   | 489.5   | 924.9   |
| 85°   | 153.6  | 143.7  | 181.2  | 223.2  | 269.6  | 285.1   | 150.3   | 227.6   | 249.7   | 381.2   |
| 87.5° | 84.0   | 68.5   | 97.2   | 103.9  | 124.9  | 113.8   | 71.8    | 82.9    | 89.5    | 138.1   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2347.1 | 0°    | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 | 2347.1 |
| 2351.5 | 2.5°  | 2355.9 | 2359.2 | 2370.3 | 2373.6 | 2381.3 | 2391.3 | 2397.9 | 2404.5 | 2404.5 | 2411.1 |
| 2386.8 | 5°    | 2387.9 | 2395.7 | 2418.9 | 2431.0 | 2450.9 | 2470.8 | 2483.0 | 2497.3 | 2506.2 | 2510.6 |
| 2443.2 | 7.5°  | 2449.8 | 2462.0 | 2495.1 | 2516.1 | 2550.4 | 2578.0 | 2596.8 | 2616.7 | 2621.1 | 2633.3 |
| 2521.7 | 10°   | 2533.8 | 2548.2 | 2585.7 | 2625.5 | 2666.4 | 2700.7 | 2718.3 | 2732.7 | 2738.2 | 2740.4 |
| 2622.2 | 12.5° | 2629.9 | 2650.9 | 2699.6 | 2748.2 | 2791.3 | 2821.1 | 2825.5 | 2822.2 | 2806.7 | 2793.5 |
| 2746.0 | 15°   | 2748.2 | 2767.0 | 2821.1 | 2874.2 | 2916.1 | 2921.7 | 2894.0 | 2876.4 | 2857.6 | 2854.3 |
| 2884.1 | 17.5° | 2889.6 | 2899.6 | 2949.3 | 3001.2 | 3004.5 | 2985.8 | 2944.9 | 2928.3 | 2910.6 | 2898.5 |
| 3064.2 | 20°   | 3054.3 | 3051.0 | 3086.3 | 3108.4 | 3085.2 | 3027.7 | 2965.9 | 2938.2 | 2920.6 | 2906.2 |
| 3285.2 | 22.5° | 3251.0 | 3225.5 | 3221.1 | 3215.6 | 3153.7 | 3033.3 | 2949.3 | 2913.9 | 2886.3 | 2866.4 |
| 3593.5 | 25°   | 3537.2 | 3439.9 | 3372.5 | 3334.9 | 3195.7 | 3003.4 | 2896.3 | 2817.8 | 2765.9 | 2731.6 |
| 3970.3 | 27.5° | 3895.2 | 3731.6 | 3561.5 | 3469.8 | 3195.7 | 2942.7 | 2768.1 | 2641.0 | 2555.9 | 2520.5 |
| 4335.0 | 30°   | 4236.6 | 4065.4 | 3814.5 | 3632.2 | 3188.0 | 2843.2 | 2561.4 | 2384.6 | 2285.2 | 2249.8 |
| 4646.6 | 32.5° | 4528.4 | 4341.6 | 4083.0 | 3810.1 | 3169.2 | 2681.9 | 2305.1 | 2109.5 | 2013.3 | 1971.4 |
| 4954.9 | 35°   | 4799.1 | 4600.2 | 4352.7 | 4005.7 | 3119.5 | 2445.4 | 2023.3 | 1874.1 | 1766.9 | 1699.5 |
| 5268.7 | 37.5° | 5076.5 | 4840.0 | 4607.9 | 4182.5 | 3030.0 | 2169.1 | 1806.7 | 1679.6 | 1553.7 | 1463.0 |
| 5602.4 | 40°   | 5378.1 | 5095.2 | 4880.9 | 4287.5 | 2883.0 | 1906.2 | 1638.7 | 1522.7 | 1389.0 | 1292.9 |
| 5987.0 | 42.5° | 5730.6 | 5401.3 | 5184.7 | 4341.6 | 2681.9 | 1719.4 | 1529.3 | 1415.5 | 1289.6 | 1211.1 |
| 6399.2 | 45°   | 6098.6 | 5738.4 | 5462.1 | 4340.5 | 2457.6 | 1632.1 | 1494.0 | 1381.3 | 1242.0 | 1160.3 |
| 6822.4 | 47.5° | 6484.2 | 6090.9 | 5701.9 | 4269.8 | 2263.1 | 1644.3 | 1474.1 | 1307.2 | 1153.6 | 1074.1 |
| 7250.0 | 50°   | 6871.0 | 6476.5 | 5933.9 | 4137.2 | 2180.2 | 1617.7 | 1400.1 | 1203.4 | 1022.1 | 950.3  |
| 7651.1 | 52.5° | 7254.4 | 6886.5 | 6134.0 | 3948.2 | 2096.2 | 1519.4 | 1305.0 | 1068.6 | 968.0  | 918.3  |
| 8065.5 | 55°   | 7640.1 | 7292.0 | 6351.6 | 3673.1 | 1886.3 | 1404.5 | 1145.9 | 1017.7 | 924.9  | 879.6  |
| 8471.1 | 57.5° | 8026.8 | 7760.5 | 6558.3 | 3397.9 | 1622.2 | 1263.0 | 1058.6 | 955.8  | 881.8  | 843.1  |
| 8810.3 | 60°   | 8429.1 | 8296.5 | 6771.5 | 3144.9 | 1361.4 | 1081.8 | 994.5  | 906.1  | 831.0  | 787.9  |
| 9136.3 | 62.5° | 8843.5 | 8886.6 | 6938.4 | 2818.9 | 1121.6 | 971.3  | 937.1  | 846.4  | 773.5  | 732.6  |
| 9405.9 | 65°   | 9261.2 | 9455.6 | 7047.8 | 2366.9 | 909.4  | 866.3  | 875.2  | 781.2  | 707.2  | 671.9  |
| 9603.7 | 67.5° | 9576.1 | 9865.6 | 7016.9 | 1791.2 | 745.9  | 766.9  | 797.8  | 712.7  | 643.1  | 615.5  |
| 9571.7 | 70°   | 9611.4 | 9817.0 | 6711.9 | 1226.6 | 624.3  | 669.6  | 711.6  | 645.3  | 573.5  | 553.6  |
| 9120.8 | 72.5° | 9140.7 | 9154.0 | 5862.1 | 801.1  | 528.2  | 587.9  | 621.0  | 576.8  | 507.2  | 487.3  |
| 7979.3 | 75°   | 7906.4 | 7570.5 | 4304.0 | 528.2  | 442.0  | 505.0  | 535.9  | 505.0  | 437.6  | 442.0  |
| 5970.4 | 77.5° | 5990.3 | 5361.5 | 2613.4 | 375.7  | 369.1  | 424.3  | 466.3  | 444.2  | 386.8  | 434.3  |
| 3002.3 | 80°   | 3086.3 | 2900.7 | 1165.8 | 280.7  | 291.7  | 339.2  | 383.4  | 354.7  | 306.1  | 291.7  |
| 670.7  | 82.5° | 707.2  | 822.1  | 459.7  | 201.1  | 211.1  | 244.2  | 292.8  | 266.3  | 219.9  | 185.6  |
| 279.6  | 85°   | 247.5  | 270.7  | 203.3  | 126.0  | 123.8  | 152.5  | 198.9  | 177.9  | 149.2  | 119.3  |
| 118.2  | 87.5° | 78.5   | 102.8  | 76.2   | 50.8   | 53.0   | 68.5   | 91.7   | 84.0   | 69.6   | 45.3   |
| 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°   |
|--------|
| 2347.1 |
| 2411.1 |
| 2512.8 |
| 2628.8 |
| 2734.9 |
| 2793.5 |
| 2854.3 |
| 2899.6 |
| 2907.3 |
| 2873.0 |
| 2744.9 |
| 2538.2 |
| 2270.8 |
| 1992.3 |
| 1721.6 |
| 1487.4 |
| 1311.7 |
| 1226.6 |
| 1173.5 |
| 1085.1 |
| 954.7  |
| 918.3  |
| 875.2  |
| 836.5  |
| 784.6  |
| 731.5  |
| 670.7  |
| 616.6  |
| 554.7  |
| 486.2  |
| 426.5  |
| 382.3  |
| 266.3  |
| 183.4  |
| 126.0  |
| 47.5   |
| 0.0    |