

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: P941897

Luminaire Tested: **GLAN-SB5C-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941897  
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-SB5C-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23043 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 249.5  
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



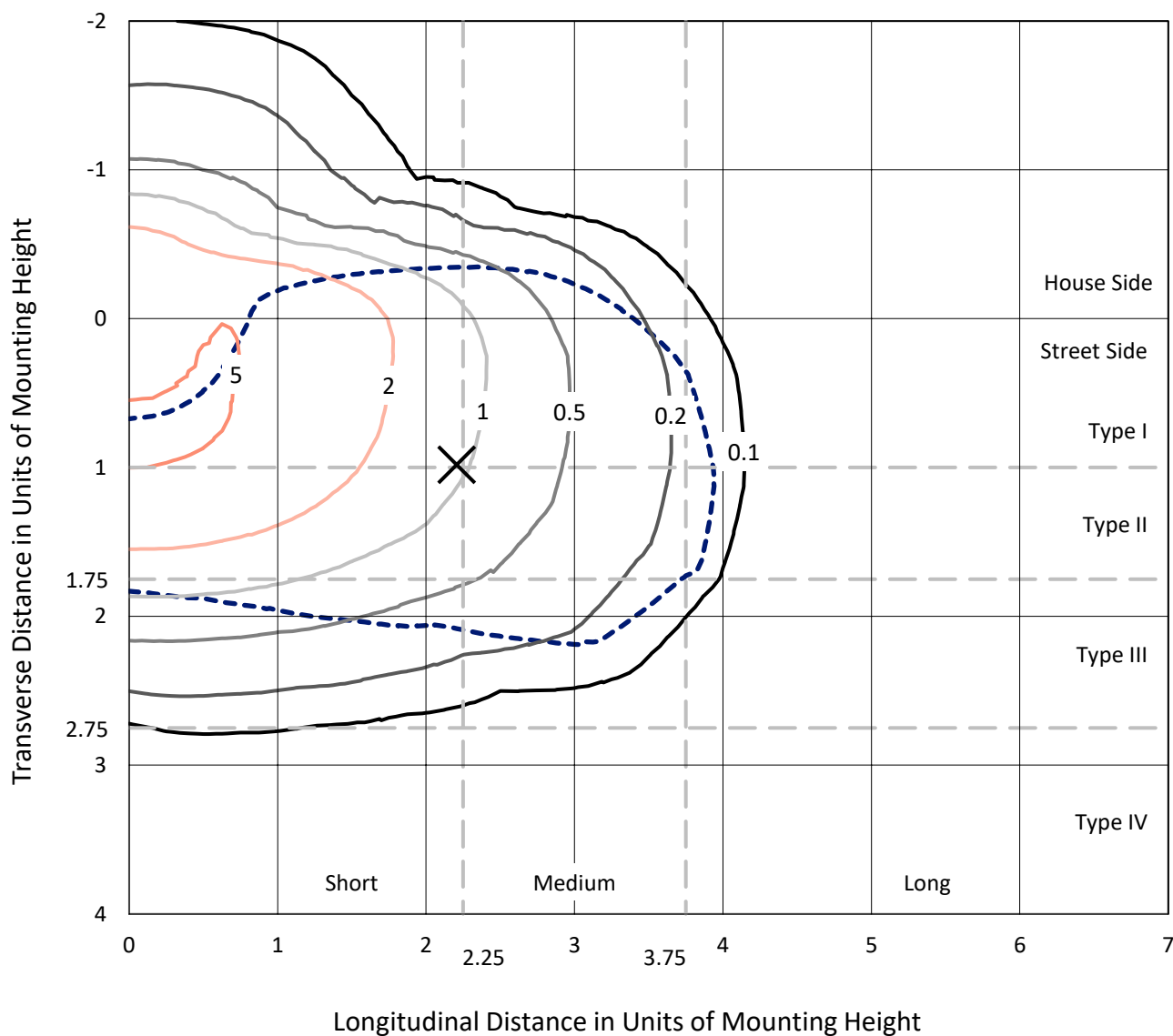
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CATALOG NUMBER: GLAN-SB5C-927-U-T3

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

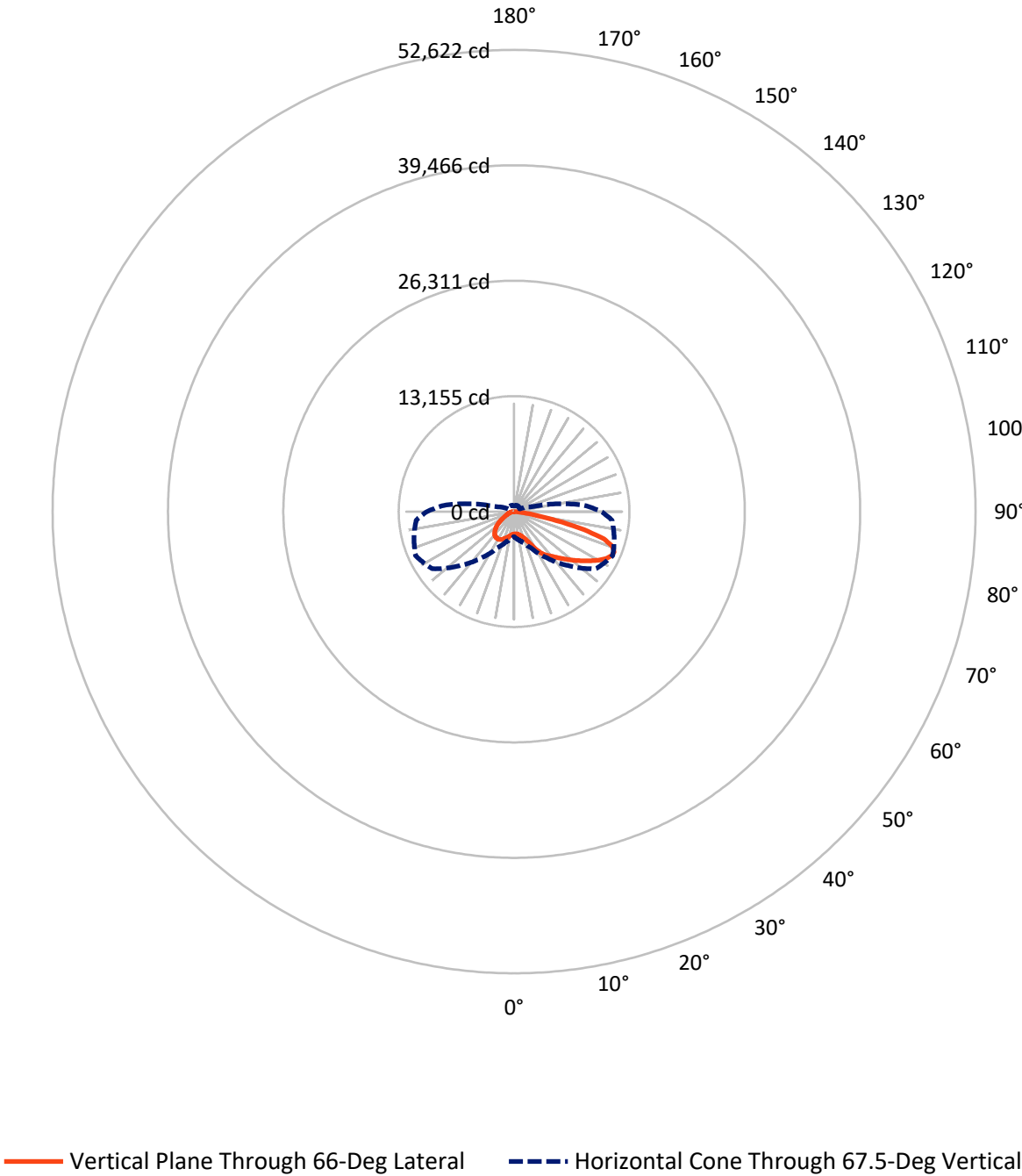


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

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    | 5729.6   | 0.0    | 5729.6  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 17313.4  | 0.0    | 17313.4 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 23043.0  | 0.0    | 23043.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 253.4   | 1.1       |
| 10°-20°   | 837.2   | 3.6       |
| 20°-30°   | 1613.6  | 7.0       |
| 30°-40°   | 2829.3  | 12.3      |
| 40°-50°   | 4206.2  | 18.3      |
| 50°-60°   | 5331.8  | 23.1      |
| 60°-70°   | 5217.0  | 22.6      |
| 70°-80°   | 2488.6  | 10.8      |
| 80°-90°   | 266.0   | 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°    | 23043.0 | 100.0     |
| 0°-180°   | 23043.0 | 100.0     |

**Coefficient of Utilization**



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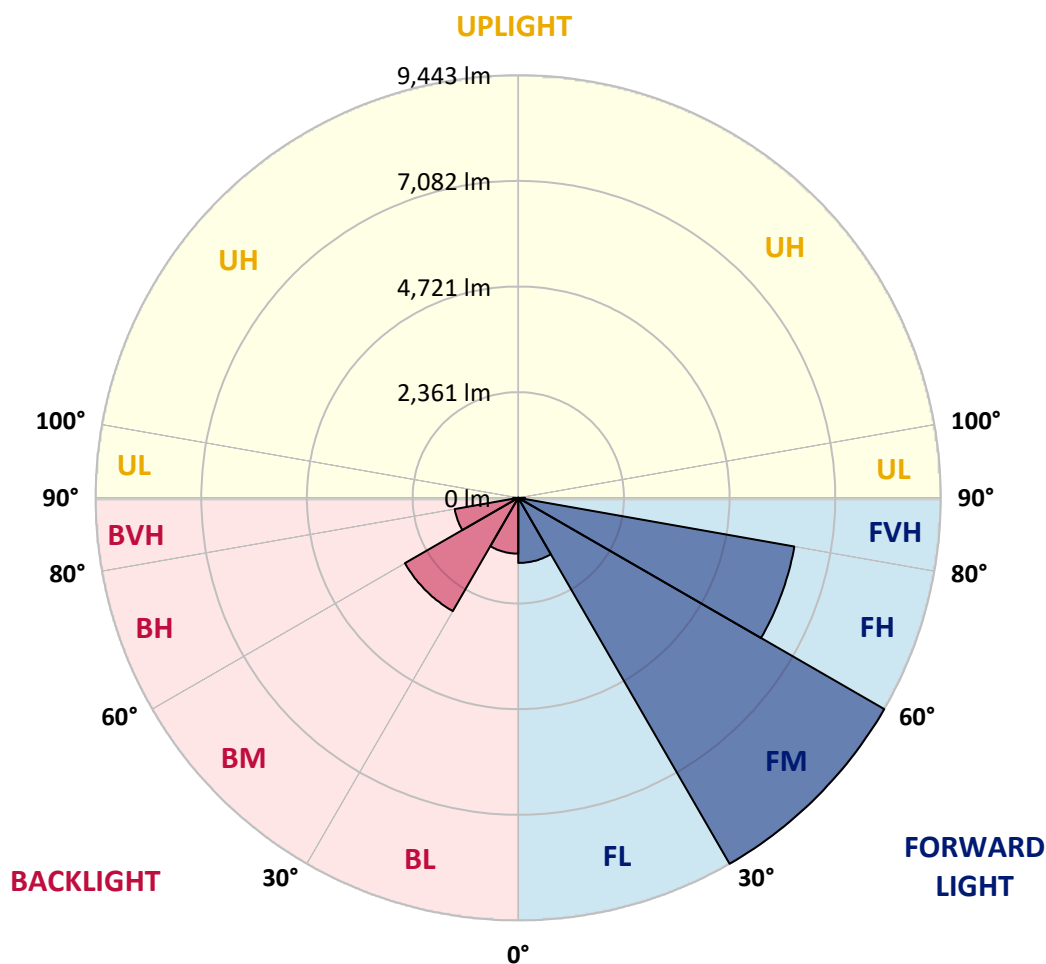
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1456.1 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 9442.8 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6263.7 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 150.8  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1248.1 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2924.4 | 12.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1441.9 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 115.2  | 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°    | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8  | 2555.8  | 2555.8  | 2555.8  | 2555.8  | 2555.8  |
| 2.5°  | 2529.1 | 2543.7 | 2540.0 | 2534.0 | 2532.8  | 2535.2  | 2538.8  | 2542.5  | 2541.2  | 2547.3  |
| 5°    | 2521.9 | 2536.4 | 2535.2 | 2535.2 | 2540.0  | 2549.7  | 2555.8  | 2561.8  | 2555.8  | 2563.0  |
| 7.5°  | 2526.7 | 2537.6 | 2542.5 | 2547.3 | 2559.4  | 2577.6  | 2592.1  | 2605.4  | 2598.1  | 2606.6  |
| 10°   | 2588.5 | 2596.9 | 2601.8 | 2601.8 | 2610.3  | 2630.8  | 2645.4  | 2669.6  | 2663.5  | 2676.8  |
| 12.5° | 2701.1 | 2709.5 | 2709.5 | 2704.7 | 2710.7  | 2724.1  | 2728.9  | 2755.5  | 2744.6  | 2766.4  |
| 15°   | 2839.1 | 2856.0 | 2842.7 | 2834.2 | 2836.7  | 2850.0  | 2848.8  | 2869.3  | 2858.4  | 2876.6  |
| 17.5° | 2991.6 | 3013.4 | 2991.6 | 2990.4 | 2985.6  | 3000.1  | 3001.3  | 3019.5  | 3000.1  | 3013.4  |
| 20°   | 3172.0 | 3202.3 | 3184.1 | 3190.2 | 3179.3  | 3185.3  | 3191.4  | 3218.0  | 3187.8  | 3197.4  |
| 22.5° | 3426.3 | 3462.6 | 3443.2 | 3466.2 | 3459.0  | 3454.1  | 3452.9  | 3500.1  | 3452.9  | 3456.5  |
| 25°   | 3796.7 | 3840.3 | 3806.4 | 3837.9 | 3837.9  | 3853.6  | 3871.8  | 3932.3  | 3853.6  | 3830.6  |
| 27.5° | 4344.0 | 4387.6 | 4321.0 | 4340.3 | 4334.3  | 4373.0  | 4353.7  | 4503.8  | 4419.0  | 4381.5  |
| 30°   | 5002.6 | 5080.1 | 4954.2 | 4949.3 | 4943.3  | 5005.0  | 5032.9  | 5132.1  | 5046.2  | 5008.6  |
| 32.5° | 5714.5 | 5795.6 | 5645.5 | 5601.9 | 5578.9  | 5616.4  | 5593.4  | 5673.3  | 5614.0  | 5555.9  |
| 35°   | 6467.5 | 6547.4 | 6404.6 | 6319.8 | 6227.8  | 6149.1  | 6066.8  | 6087.4  | 6031.7  | 5943.3  |
| 37.5° | 7179.4 | 7325.9 | 7174.6 | 7083.8 | 6914.3  | 6760.5  | 6530.5  | 6434.8  | 6382.8  | 6301.7  |
| 40°   | 7904.6 | 7988.2 | 7873.1 | 7795.7 | 7611.6  | 7370.7  | 7002.6  | 6800.5  | 6730.2  | 6651.5  |
| 42.5° | 8438.5 | 8518.4 | 8456.7 | 8403.4 | 8259.3  | 7979.7  | 7503.9  | 7250.8  | 7149.1  | 7060.8  |
| 45°   | 8862.3 | 8921.6 | 8882.9 | 8902.2 | 8840.5  | 8569.3  | 8023.3  | 7733.9  | 7628.6  | 7520.8  |
| 47.5° | 9033.0 | 9095.9 | 9157.7 | 9272.7 | 9378.0  | 9178.3  | 8581.4  | 8256.9  | 8145.5  | 8035.4  |
| 50°   | 9013.6 | 9077.8 | 9257.0 | 9501.5 | 9828.4  | 9761.8  | 9169.8  | 8813.8  | 8710.9  | 8585.0  |
| 52.5° | 8858.6 | 8931.3 | 9161.3 | 9568.1 | 10088.7 | 10198.9 | 9769.1  | 9388.9  | 9292.1  | 9141.9  |
| 55°   | 8451.8 | 8495.4 | 8840.5 | 9416.8 | 10150.5 | 10504.0 | 10356.3 | 10001.5 | 9904.7  | 9695.2  |
| 57.5° | 7697.6 | 7760.5 | 8263.0 | 9008.8 | 9995.5  | 10711.0 | 10872.0 | 10645.6 | 10552.4 | 10250.9 |
| 60°   | 6713.3 | 6813.8 | 7388.9 | 8323.5 | 9600.8  | 10709.8 | 11340.6 | 11278.8 | 11201.3 | 10798.2 |
| 62.5° | 5599.5 | 5715.7 | 6269.0 | 7355.0 | 8910.7  | 10405.9 | 11633.6 | 11809.1 | 11769.1 | 11303.0 |
| 65°   | 4300.4 | 4380.3 | 4931.2 | 6101.9 | 7836.8  | 9753.3  | 11667.4 | 12171.1 | 12178.4 | 11686.8 |
| 67.5° | 2863.3 | 3093.3 | 3571.5 | 4578.8 | 6398.5  | 8686.7  | 11369.6 | 12230.4 | 12300.6 | 11818.8 |
| 70°   | 1397.1 | 1699.8 | 2168.4 | 2975.9 | 4578.8  | 7051.1  | 10591.1 | 11743.7 | 11899.9 | 11433.8 |
| 72.5° | 579.9  | 678.0  | 933.4  | 1468.6 | 2628.4  | 4758.0  | 9026.9  | 10424.1 | 10713.4 | 10131.1 |
| 75°   | 391.1  | 423.7  | 533.9  | 753.1  | 1197.4  | 2346.3  | 6509.9  | 7772.6  | 8238.8  | 7651.6  |
| 77.5° | 301.5  | 322.0  | 388.6  | 526.7  | 711.9   | 887.4   | 3484.4  | 4684.2  | 4925.1  | 4559.5  |
| 80°   | 237.3  | 253.0  | 290.6  | 383.8  | 504.9   | 474.6   | 1187.7  | 2122.3  | 2261.6  | 1897.2  |
| 82.5° | 205.8  | 211.9  | 208.2  | 260.3  | 335.4   | 277.2   | 389.8   | 783.3   | 864.4   | 627.1   |
| 85°   | 148.9  | 165.9  | 173.1  | 161.0  | 178.0   | 140.4   | 159.8   | 277.2   | 305.1   | 272.4   |
| 87.5° | 60.5   | 89.6   | 110.2  | 104.1  | 65.4    | 40.0    | 49.6    | 81.1    | 93.2    | 101.7   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2555.8  | 0°    | 2555.8  | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8 | 2555.8 |
| 2557.0  | 2.5°  | 2558.2  | 2566.7 | 2572.7 | 2580.0 | 2584.8 | 2592.1 | 2606.6 | 2615.1 | 2616.3 | 2622.4 |
| 2576.4  | 5°    | 2581.2  | 2593.3 | 2606.6 | 2626.0 | 2647.8 | 2665.9 | 2693.8 | 2713.2 | 2720.4 | 2726.5 |
| 2623.6  | 7.5°  | 2630.8  | 2647.8 | 2672.0 | 2705.9 | 2737.4 | 2761.6 | 2795.5 | 2818.5 | 2841.5 | 2850.0 |
| 2698.6  | 10°   | 2704.7  | 2728.9 | 2764.0 | 2810.0 | 2843.9 | 2875.4 | 2910.5 | 2929.9 | 2952.9 | 2962.6 |
| 2788.2  | 12.5° | 2796.7  | 2822.1 | 2868.1 | 2932.3 | 2963.8 | 2985.6 | 2997.7 | 2992.8 | 2997.7 | 3006.2 |
| 2896.0  | 15°   | 2902.0  | 2929.9 | 2981.9 | 3050.9 | 3072.7 | 3053.4 | 3026.7 | 3002.5 | 2998.9 | 3001.3 |
| 3026.7  | 17.5° | 3026.7  | 3047.3 | 3107.8 | 3166.0 | 3150.2 | 3070.3 | 3012.2 | 2973.5 | 2954.1 | 2948.0 |
| 3193.8  | 20°   | 3201.1  | 3201.1 | 3250.7 | 3287.0 | 3181.7 | 3046.1 | 2955.3 | 2892.3 | 2852.4 | 2835.4 |
| 3421.4  | 22.5° | 3412.9  | 3393.6 | 3425.1 | 3399.6 | 3175.6 | 2978.3 | 2852.4 | 2743.4 | 2682.9 | 2658.7 |
| 3739.8  | 25°   | 3681.7  | 3658.7 | 3650.2 | 3492.8 | 3132.1 | 2870.6 | 2665.9 | 2534.0 | 2480.7 | 2467.4 |
| 4198.7  | 27.5° | 4087.3  | 4029.2 | 3919.0 | 3543.7 | 3052.2 | 2701.1 | 2448.0 | 2325.7 | 2295.5 | 2296.7 |
| 4788.3  | 30°   | 4627.3  | 4511.0 | 4241.1 | 3552.2 | 2921.4 | 2461.3 | 2225.3 | 2138.1 | 2123.6 | 2129.6 |
| 5283.5  | 32.5° | 5127.3  | 5017.1 | 4570.4 | 3513.4 | 2720.4 | 2226.5 | 2025.5 | 1967.4 | 1945.6 | 1952.8 |
| 5661.2  | 35°   | 5519.6  | 5489.3 | 4875.5 | 3459.0 | 2473.4 | 2006.1 | 1846.3 | 1796.7 | 1754.3 | 1744.6 |
| 6017.1  | 37.5° | 5890.0  | 5877.9 | 5104.3 | 3382.7 | 2228.9 | 1849.9 | 1702.2 | 1636.9 | 1575.1 | 1541.2 |
| 6410.6  | 40°   | 6296.8  | 6284.7 | 5254.4 | 3265.2 | 2012.2 | 1714.3 | 1572.7 | 1486.7 | 1410.5 | 1348.7 |
| 6856.2  | 42.5° | 6754.5  | 6683.0 | 5325.8 | 3097.0 | 1828.1 | 1599.3 | 1467.4 | 1351.1 | 1250.6 | 1193.7 |
| 7359.8  | 45°   | 7254.5  | 7093.5 | 5324.6 | 2882.7 | 1673.2 | 1494.0 | 1354.8 | 1190.1 | 1096.9 | 1043.6 |
| 7876.8  | 47.5° | 7784.8  | 7485.7 | 5259.3 | 2645.4 | 1523.1 | 1377.8 | 1180.4 | 1054.5 | 992.8  | 960.1  |
| 8438.5  | 50°   | 8332.0  | 7852.6 | 5147.9 | 2373.0 | 1369.3 | 1245.8 | 1071.5 | 985.5  | 938.3  | 908.0  |
| 8995.5  | 52.5° | 8846.5  | 8185.5 | 5013.5 | 2064.2 | 1213.1 | 1117.5 | 1023.0 | 956.4  | 906.8  | 872.9  |
| 9535.4  | 55°   | 9324.8  | 8472.4 | 4823.4 | 1748.2 | 1086.0 | 1031.5 | 1000.0 | 944.3  | 887.4  | 847.5  |
| 10083.9 | 57.5° | 9749.7  | 8658.9 | 4495.3 | 1451.6 | 995.2  | 972.2  | 975.8  | 923.8  | 858.4  | 824.5  |
| 10623.8 | 60°   | 10103.2 | 8795.7 | 4009.8 | 1176.8 | 921.3  | 914.1  | 938.3  | 885.0  | 808.7  | 770.0  |
| 11080.3 | 62.5° | 10315.1 | 8793.3 | 3414.2 | 963.7  | 858.4  | 860.8  | 888.6  | 836.6  | 759.1  | 722.8  |
| 11318.8 | 65°   | 10296.9 | 8577.8 | 2760.4 | 824.5  | 797.8  | 800.3  | 836.6  | 783.3  | 717.9  | 696.1  |
| 11198.9 | 67.5° | 9932.5  | 8052.3 | 2117.5 | 733.7  | 731.3  | 742.2  | 784.5  | 747.0  | 692.5  | 690.1  |
| 10484.6 | 70°   | 8945.8  | 6961.5 | 1525.5 | 661.0  | 662.2  | 678.0  | 733.7  | 724.0  | 679.2  | 684.0  |
| 8815.1  | 72.5° | 7173.4  | 5307.7 | 1024.2 | 584.8  | 586.0  | 611.4  | 685.3  | 705.8  | 665.9  | 730.0  |
| 6254.4  | 75°   | 4777.4  | 3310.0 | 658.6  | 503.6  | 504.9  | 537.5  | 642.9  | 670.7  | 629.6  | 727.6  |
| 3254.3  | 77.5° | 2295.5  | 1487.9 | 477.0  | 423.7  | 423.7  | 454.0  | 555.7  | 600.5  | 536.3  | 565.4  |
| 1046.0  | 80°   | 793.0   | 559.3  | 375.3  | 341.4  | 334.2  | 354.7  | 468.5  | 520.6  | 462.5  | 426.2  |
| 341.4   | 82.5° | 312.4   | 290.6  | 301.5  | 265.1  | 240.9  | 254.2  | 364.4  | 429.8  | 340.2  | 307.5  |
| 192.5   | 85°   | 179.2   | 188.9  | 213.1  | 175.6  | 139.2  | 156.2  | 267.6  | 308.7  | 256.7  | 226.4  |
| 63.0    | 87.5° | 48.4    | 66.6   | 98.1   | 90.8   | 63.0   | 66.6   | 127.1  | 170.7  | 147.7  | 113.8  |
| 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°   |
|--------|
| 2555.8 |
| 2621.2 |
| 2725.3 |
| 2851.2 |
| 2967.4 |
| 3008.6 |
| 3009.8 |
| 2956.5 |
| 2831.8 |
| 2655.1 |
| 2469.8 |
| 2300.3 |
| 2150.2 |
| 1962.5 |
| 1751.9 |
| 1542.4 |
| 1354.8 |
| 1197.4 |
| 1041.2 |
| 952.8  |
| 897.1  |
| 858.4  |
| 831.7  |
| 802.7  |
| 753.1  |
| 711.9  |
| 694.9  |
| 693.7  |
| 682.8  |
| 739.7  |
| 733.7  |
| 518.2  |
| 399.5  |
| 306.3  |
| 231.2  |
| 117.4  |
| 0.0    |