

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: P952641

Luminaire Tested: **GLAN-SB6B-935-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-935-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23708 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - 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

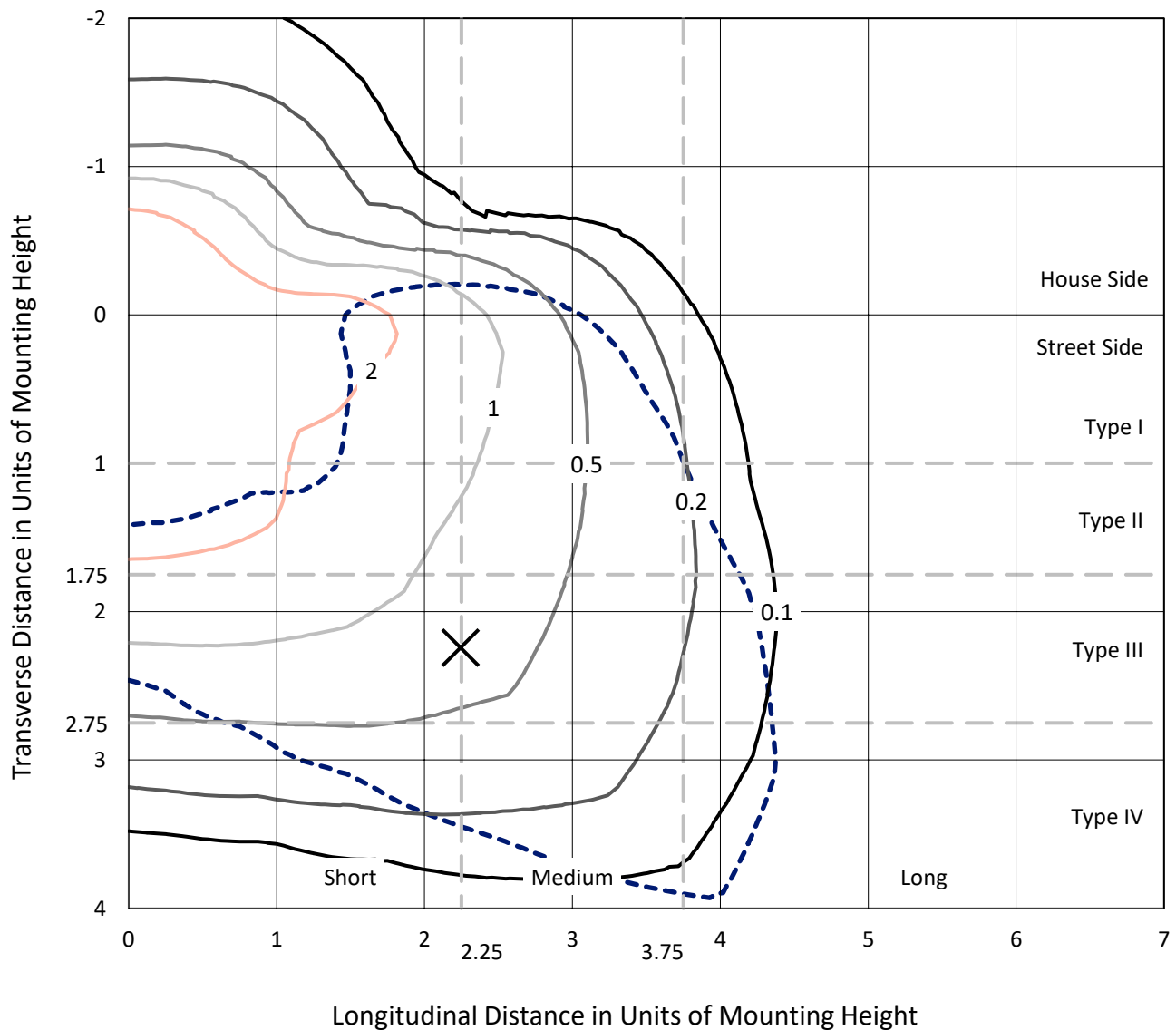


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## Iso-Footcandle Lines of Horizontal Illumination

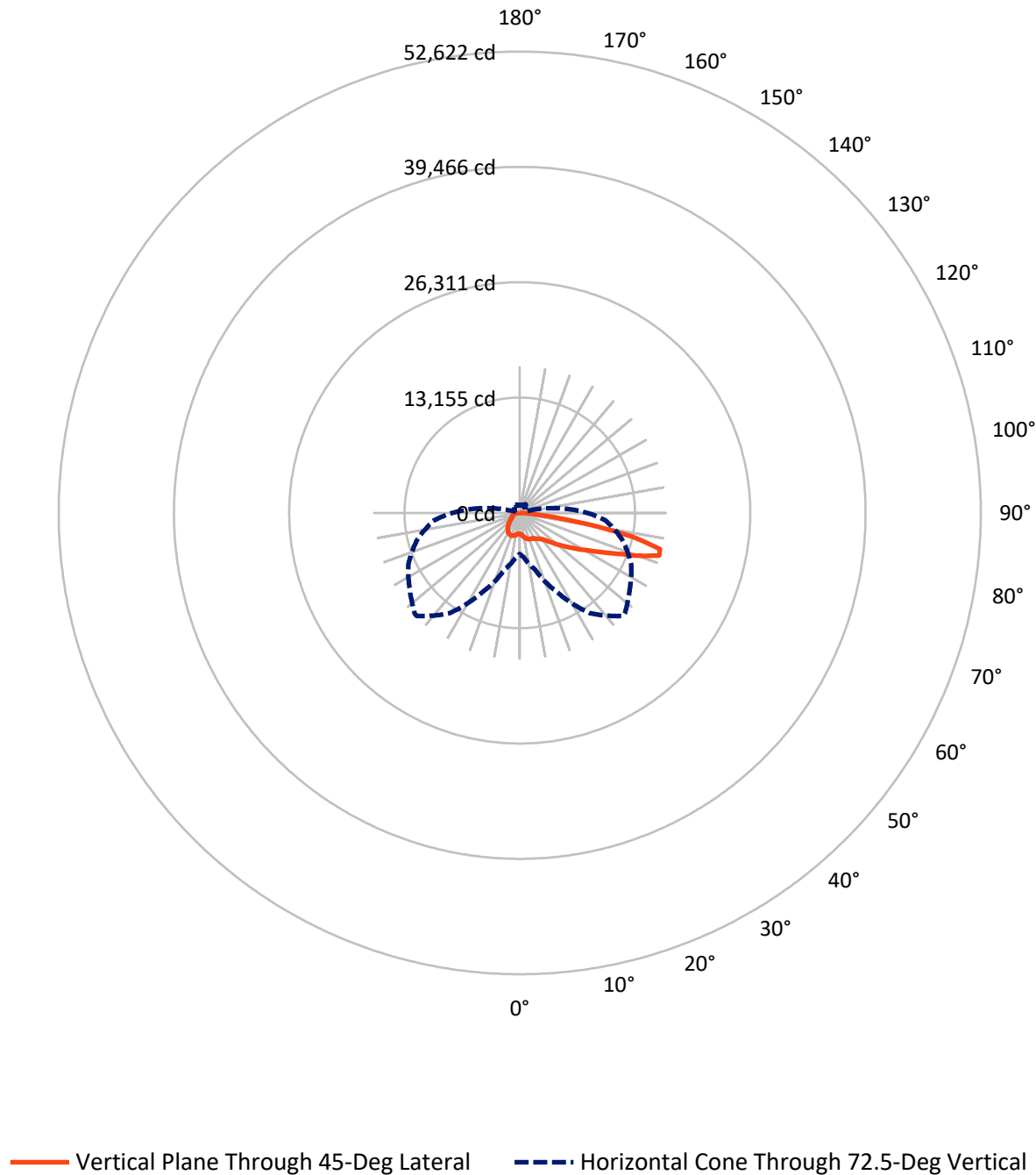
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
Type IV - 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    | 5359.6   | 0.0    | 5359.6  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 18348.4  | 0.0    | 18348.4 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 23708.0  | 0.0    | 23708.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 243.4   | 1.0       |
| 10°-20°   | 811.6   | 3.4       |
| 20°-30°   | 1411.8  | 6.0       |
| 30°-40°   | 2024.0  | 8.5       |
| 40°-50°   | 2849.8  | 12.0      |
| 50°-60°   | 4365.1  | 18.4      |
| 60°-70°   | 6323.5  | 26.7      |
| 70°-80°   | 5049.7  | 21.3      |
| 80°-90°   | 628.9   | 2.7       |
| 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°    | 23708.0 | 100.0     |
| 0°-180°   | 23708.0 | 100.0     |

**Coefficient of Utilization**



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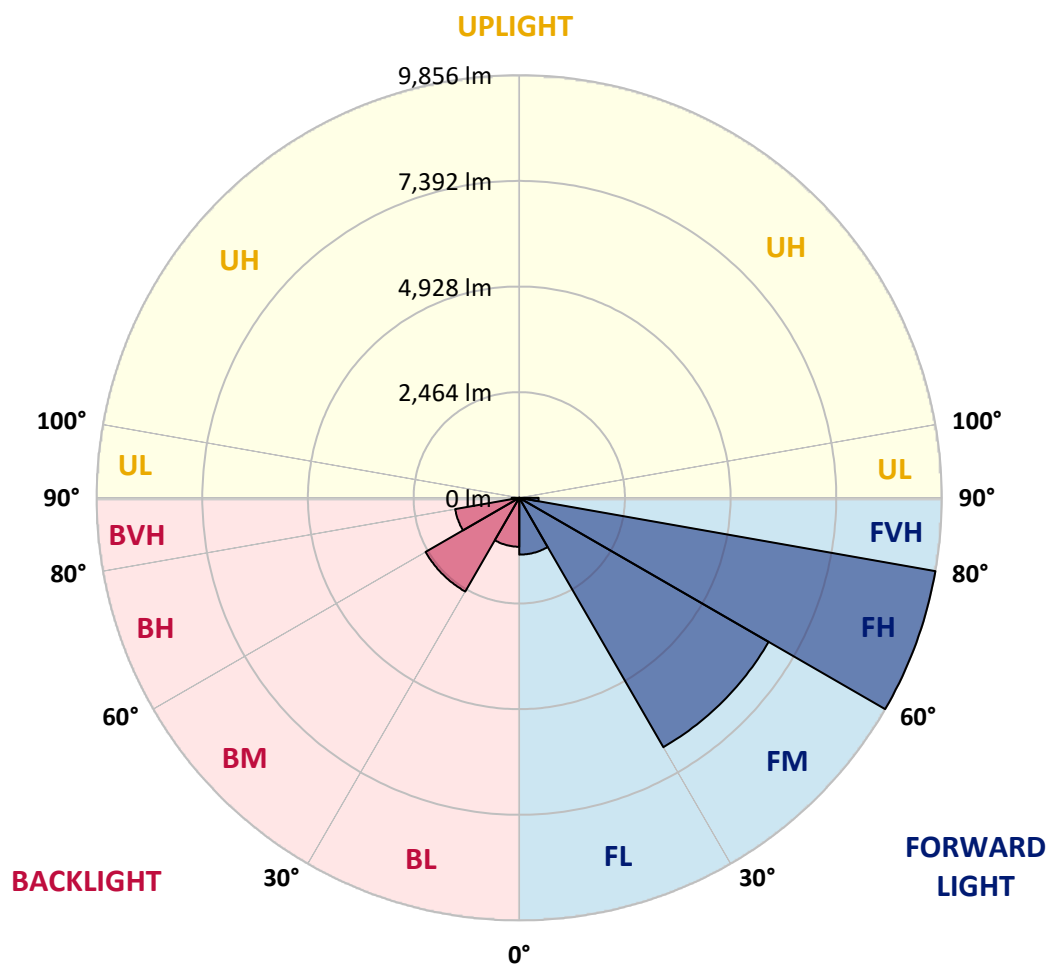
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1325.8 | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 6715.3 | 28.3      |                         |      |          |
| FH   | (60°-80°)   | 9856.1 | 41.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 451.2  | 1.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1141.1 | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2523.6 | 10.6      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1517.2 | 6.4       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 177.7  | 0.7       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2391.7 | 2391.7 | 2391.7 | 2391.7  | 2391.7  | 2391.7  | 2391.7  | 2391.7  | 2391.7  | 2391.7  |
| 2.5°  | 2485.3 | 2501.6 | 2486.6 | 2472.9  | 2466.6  | 2450.4  | 2449.1  | 2439.1  | 2432.9  | 2415.4  |
| 5°    | 2658.9 | 2680.2 | 2655.2 | 2627.7  | 2602.7  | 2562.8  | 2557.8  | 2529.1  | 2496.6  | 2459.1  |
| 7.5°  | 2855.0 | 2873.8 | 2845.0 | 2803.8  | 2760.1  | 2693.9  | 2692.7  | 2640.2  | 2589.0  | 2525.3  |
| 10°   | 3026.1 | 3051.1 | 3012.4 | 2956.2  | 2901.2  | 2826.3  | 2817.6  | 2757.6  | 2692.7  | 2610.2  |
| 12.5° | 3177.2 | 3194.7 | 3157.3 | 3088.6  | 3024.9  | 2949.9  | 2938.7  | 2872.5  | 2800.1  | 2706.4  |
| 15°   | 3297.1 | 3319.6 | 3269.7 | 3196.0  | 3128.5  | 3054.9  | 3044.9  | 2984.9  | 2912.5  | 2813.8  |
| 17.5° | 3375.8 | 3394.6 | 3343.4 | 3260.9  | 3196.0  | 3134.8  | 3127.3  | 3077.3  | 3013.6  | 2913.7  |
| 20°   | 3405.8 | 3425.8 | 3372.1 | 3288.4  | 3228.5  | 3181.0  | 3177.2  | 3141.0  | 3097.3  | 3006.1  |
| 22.5° | 3435.8 | 3454.5 | 3384.6 | 3297.1  | 3244.7  | 3214.7  | 3213.5  | 3189.7  | 3172.2  | 3097.3  |
| 25°   | 3556.9 | 3561.9 | 3468.2 | 3342.1  | 3267.2  | 3240.9  | 3239.7  | 3238.4  | 3245.9  | 3187.2  |
| 27.5° | 3661.8 | 3660.6 | 3580.6 | 3462.0  | 3345.8  | 3290.9  | 3289.6  | 3302.1  | 3325.9  | 3277.2  |
| 30°   | 3815.4 | 3801.7 | 3706.8 | 3583.1  | 3477.0  | 3392.1  | 3384.6  | 3373.3  | 3392.1  | 3353.3  |
| 32.5° | 4141.4 | 4097.7 | 3944.1 | 3724.3  | 3585.6  | 3520.7  | 3510.7  | 3440.8  | 3448.3  | 3424.5  |
| 35°   | 4608.5 | 4551.1 | 4346.2 | 3991.5  | 3720.5  | 3628.1  | 3623.1  | 3534.4  | 3519.4  | 3498.2  |
| 37.5° | 5164.3 | 5093.1 | 4854.5 | 4378.7  | 3952.8  | 3753.0  | 3745.5  | 3665.6  | 3604.4  | 3581.9  |
| 40°   | 5722.5 | 5632.6 | 5435.3 | 4850.8  | 4295.0  | 3961.6  | 3937.8  | 3816.7  | 3746.8  | 3709.3  |
| 42.5° | 6264.6 | 6189.6 | 6021.0 | 5380.3  | 4717.2  | 4266.3  | 4213.8  | 4006.5  | 3954.1  | 3919.1  |
| 45°   | 6744.2 | 6676.7 | 6553.1 | 5946.1  | 5211.7  | 4680.9  | 4629.7  | 4291.3  | 4275.0  | 4275.0  |
| 47.5° | 7133.8 | 7118.8 | 6987.7 | 6523.1  | 5795.0  | 5153.0  | 5064.4  | 4687.2  | 4730.9  | 4798.3  |
| 50°   | 7565.9 | 7524.7 | 7384.8 | 7091.3  | 6480.6  | 5693.8  | 5621.4  | 5173.0  | 5336.6  | 5521.5  |
| 52.5° | 7963.1 | 7985.6 | 7829.5 | 7683.3  | 7255.0  | 6297.0  | 6169.6  | 5746.3  | 6099.7  | 6405.7  |
| 55°   | 8371.5 | 8372.7 | 8329.0 | 8309.0  | 8066.8  | 6964.0  | 6824.1  | 6435.7  | 6997.7  | 7377.4  |
| 57.5° | 8754.9 | 8757.4 | 8822.3 | 8998.4  | 9008.4  | 7733.3  | 7574.7  | 7282.4  | 7995.6  | 8382.7  |
| 60°   | 9097.1 | 9114.6 | 9291.9 | 9704.1  | 9836.5  | 8615.0  | 8465.2  | 8282.8  | 9027.2  | 9416.8  |
| 62.5° | 9212.0 | 9275.7 | 9670.4 | 10256.1 | 10654.5 | 9696.6  | 9549.2  | 9440.6  | 10111.2 | 10473.4 |
| 65°   | 9017.2 | 9163.3 | 9926.4 | 10712.0 | 11496.3 | 10981.7 | 10835.6 | 10717.0 | 11237.8 | 11578.7 |
| 67.5° | 8538.8 | 8727.4 | 9911.4 | 11190.3 | 12517.9 | 12527.9 | 12391.8 | 12113.2 | 12445.5 | 12576.6 |
| 70°   | 7278.7 | 7560.9 | 9038.4 | 11368.9 | 13690.6 | 14642.3 | 14511.2 | 13794.3 | 13650.7 | 13016.2 |
| 72.5° | 4689.7 | 5069.4 | 6655.5 | 9898.9  | 13951.7 | 16631.8 | 16624.3 | 15311.7 | 14031.6 | 12162.0 |
| 75°   | 1711.0 | 1943.3 | 3092.3 | 6213.4  | 11711.1 | 16530.7 | 16579.4 | 15051.9 | 12808.9 | 9394.4  |
| 77.5° | 623.2  | 681.9  | 1009.1 | 2387.9  | 7202.5  | 13263.5 | 13364.7 | 12033.3 | 9117.1  | 4714.7  |
| 80°   | 327.2  | 359.7  | 517.1  | 926.7   | 3086.1  | 7876.9  | 8035.5  | 7151.3  | 4285.0  | 1420.0  |
| 82.5° | 181.1  | 196.1  | 289.7  | 503.3   | 1390.0  | 3368.3  | 3463.2  | 2825.0  | 1507.4  | 602.0   |
| 85°   | 97.4   | 103.7  | 136.1  | 274.8   | 679.4   | 1167.7  | 1194.0  | 844.3   | 600.7   | 353.4   |
| 87.5° | 28.7   | 35.0   | 45.0   | 87.4    | 266.0   | 262.3   | 268.5   | 167.4   | 237.3   | 178.6   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2391.7  | 0°    | 2391.7  | 2391.7 | 2391.7 | 2391.7 | 2391.7 | 2391.7 | 2391.7 | 2391.7 | 2391.7 | 2391.7 |
| 2410.4  | 2.5°  | 2402.9  | 2399.2 | 2385.4 | 2379.2 | 2371.7 | 2370.4 | 2376.7 | 2377.9 | 2379.2 | 2380.4 |
| 2437.9  | 5°    | 2425.4  | 2412.9 | 2400.4 | 2392.9 | 2395.4 | 2396.7 | 2409.2 | 2417.9 | 2424.1 | 2429.1 |
| 2489.1  | 7.5°  | 2469.1  | 2459.1 | 2437.9 | 2436.6 | 2440.4 | 2451.6 | 2467.9 | 2487.8 | 2499.1 | 2507.8 |
| 2555.3  | 10°   | 2534.1  | 2515.3 | 2490.3 | 2494.1 | 2501.6 | 2517.8 | 2551.5 | 2567.8 | 2586.5 | 2602.7 |
| 2636.5  | 12.5° | 2600.2  | 2584.0 | 2555.3 | 2557.8 | 2570.3 | 2599.0 | 2631.5 | 2651.5 | 2663.9 | 2676.4 |
| 2723.9  | 15°   | 2686.4  | 2657.7 | 2626.5 | 2626.5 | 2649.0 | 2680.2 | 2695.2 | 2711.4 | 2718.9 | 2732.6 |
| 2817.6  | 17.5° | 2775.1  | 2737.6 | 2696.4 | 2693.9 | 2721.4 | 2736.4 | 2745.1 | 2747.6 | 2750.1 | 2765.1 |
| 2908.7  | 20°   | 2863.8  | 2822.6 | 2763.9 | 2758.9 | 2765.1 | 2762.6 | 2761.4 | 2758.9 | 2762.6 | 2781.3 |
| 3002.4  | 22.5° | 2951.2  | 2903.7 | 2822.6 | 2800.1 | 2782.6 | 2758.9 | 2757.6 | 2756.4 | 2758.9 | 2777.6 |
| 3103.6  | 25°   | 3053.6  | 2996.2 | 2887.5 | 2820.1 | 2761.4 | 2728.9 | 2732.6 | 2733.9 | 2736.4 | 2751.4 |
| 3208.5  | 27.5° | 3164.8  | 3101.1 | 2947.4 | 2813.8 | 2707.7 | 2685.2 | 2678.9 | 2682.7 | 2691.4 | 2715.1 |
| 3313.4  | 30°   | 3275.9  | 3201.0 | 3002.4 | 2788.8 | 2640.2 | 2609.0 | 2589.0 | 2597.7 | 2625.2 | 2649.0 |
| 3404.5  | 32.5° | 3377.1  | 3302.1 | 3046.1 | 2733.9 | 2554.0 | 2505.3 | 2479.1 | 2490.3 | 2517.8 | 2526.6 |
| 3505.7  | 35°   | 3495.7  | 3410.8 | 3064.8 | 2646.5 | 2460.4 | 2385.4 | 2350.5 | 2334.2 | 2348.0 | 2339.2 |
| 3624.4  | 37.5° | 3628.1  | 3539.4 | 3062.3 | 2531.6 | 2350.5 | 2264.3 | 2215.6 | 2154.4 | 2125.7 | 2095.7 |
| 3799.2  | 40°   | 3824.2  | 3696.8 | 3032.4 | 2392.9 | 2214.3 | 2135.6 | 2048.2 | 1944.6 | 1879.6 | 1820.9 |
| 4081.5  | 42.5° | 4091.5  | 3915.4 | 2977.4 | 2240.6 | 2060.7 | 1987.0 | 1868.4 | 1747.2 | 1644.8 | 1547.4 |
| 4509.8  | 45°   | 4489.9  | 4201.4 | 2908.7 | 2078.2 | 1894.6 | 1822.2 | 1693.5 | 1557.4 | 1441.3 | 1316.4 |
| 5118.1  | 47.5° | 5064.4  | 4586.0 | 2843.8 | 1893.4 | 1719.8 | 1653.6 | 1537.4 | 1411.3 | 1273.9 | 1152.8 |
| 5997.3  | 50°   | 5853.7  | 5138.0 | 2783.8 | 1713.5 | 1547.4 | 1497.5 | 1405.0 | 1276.4 | 1137.8 | 1040.3 |
| 7027.7  | 52.5° | 6857.8  | 5888.6 | 2758.9 | 1539.9 | 1386.3 | 1367.6 | 1293.9 | 1174.0 | 1042.8 | 960.4  |
| 8229.1  | 55°   | 8010.6  | 6786.6 | 2758.9 | 1373.8 | 1245.2 | 1251.4 | 1200.2 | 1089.1 | 975.4  | 901.7  |
| 9468.0  | 57.5° | 9187.0  | 7695.8 | 2708.9 | 1220.2 | 1125.3 | 1151.5 | 1119.0 | 1021.6 | 919.2  | 843.0  |
| 10770.7 | 60°   | 10271.1 | 8457.7 | 2506.6 | 1080.3 | 1019.1 | 1060.3 | 1039.1 | 955.4  | 830.5  | 766.8  |
| 11859.7 | 62.5° | 11104.1 | 8887.3 | 2116.9 | 969.2  | 931.7  | 979.2  | 967.9  | 868.0  | 814.3  | 788.1  |
| 12753.9 | 65°   | 11521.3 | 8817.4 | 1618.6 | 870.5  | 858.0  | 931.7  | 908.0  | 904.2  | 861.8  | 831.8  |
| 13044.9 | 67.5° | 11265.2 | 8215.4 | 1174.0 | 798.1  | 815.5  | 888.0  | 979.2  | 994.1  | 915.5  | 856.8  |
| 12225.6 | 70°   | 10142.5 | 7126.3 | 874.2  | 729.4  | 761.8  | 889.2  | 1116.5 | 1040.3 | 898.0  | 829.3  |
| 9805.2  | 72.5° | 7715.8  | 5314.1 | 678.2  | 656.9  | 691.9  | 895.5  | 1177.7 | 1019.1 | 848.0  | 916.7  |
| 6108.5  | 75°   | 4412.4  | 2917.5 | 544.5  | 568.3  | 604.5  | 836.8  | 1146.5 | 964.2  | 809.3  | 841.8  |
| 2420.4  | 77.5° | 1682.3  | 1121.5 | 449.6  | 480.8  | 485.8  | 730.6  | 1096.5 | 960.4  | 770.6  | 751.8  |
| 725.6   | 80°   | 583.2   | 438.4  | 372.2  | 382.2  | 375.9  | 649.4  | 1051.6 | 835.5  | 630.7  | 564.5  |
| 299.7   | 82.5° | 238.5   | 218.6  | 294.7  | 282.3  | 267.3  | 504.6  | 849.3  | 683.2  | 515.8  | 455.9  |
| 144.9   | 85°   | 103.7   | 138.6  | 194.8  | 171.1  | 154.9  | 349.7  | 680.7  | 578.2  | 435.9  | 375.9  |
| 47.5    | 87.5° | 21.2    | 52.5   | 82.4   | 77.4   | 79.9   | 233.5  | 483.3  | 410.9  | 308.5  | 231.0  |
| 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°   |
|--------|
| 2391.7 |
| 2385.4 |
| 2431.6 |
| 2510.3 |
| 2599.0 |
| 2681.4 |
| 2737.6 |
| 2770.1 |
| 2788.8 |
| 2790.1 |
| 2771.3 |
| 2738.9 |
| 2675.2 |
| 2557.8 |
| 2366.7 |
| 2114.4 |
| 1824.7 |
| 1538.7 |
| 1301.4 |
| 1139.0 |
| 1034.1 |
| 954.2  |
| 894.2  |
| 830.5  |
| 756.8  |
| 779.3  |
| 821.8  |
| 846.8  |
| 818.0  |
| 909.2  |
| 841.8  |
| 685.7  |
| 545.8  |
| 450.9  |
| 374.7  |
| 181.1  |
| 0.0    |