

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: P847423

Luminaire Tested: **GLAN-SB3C-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21857 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

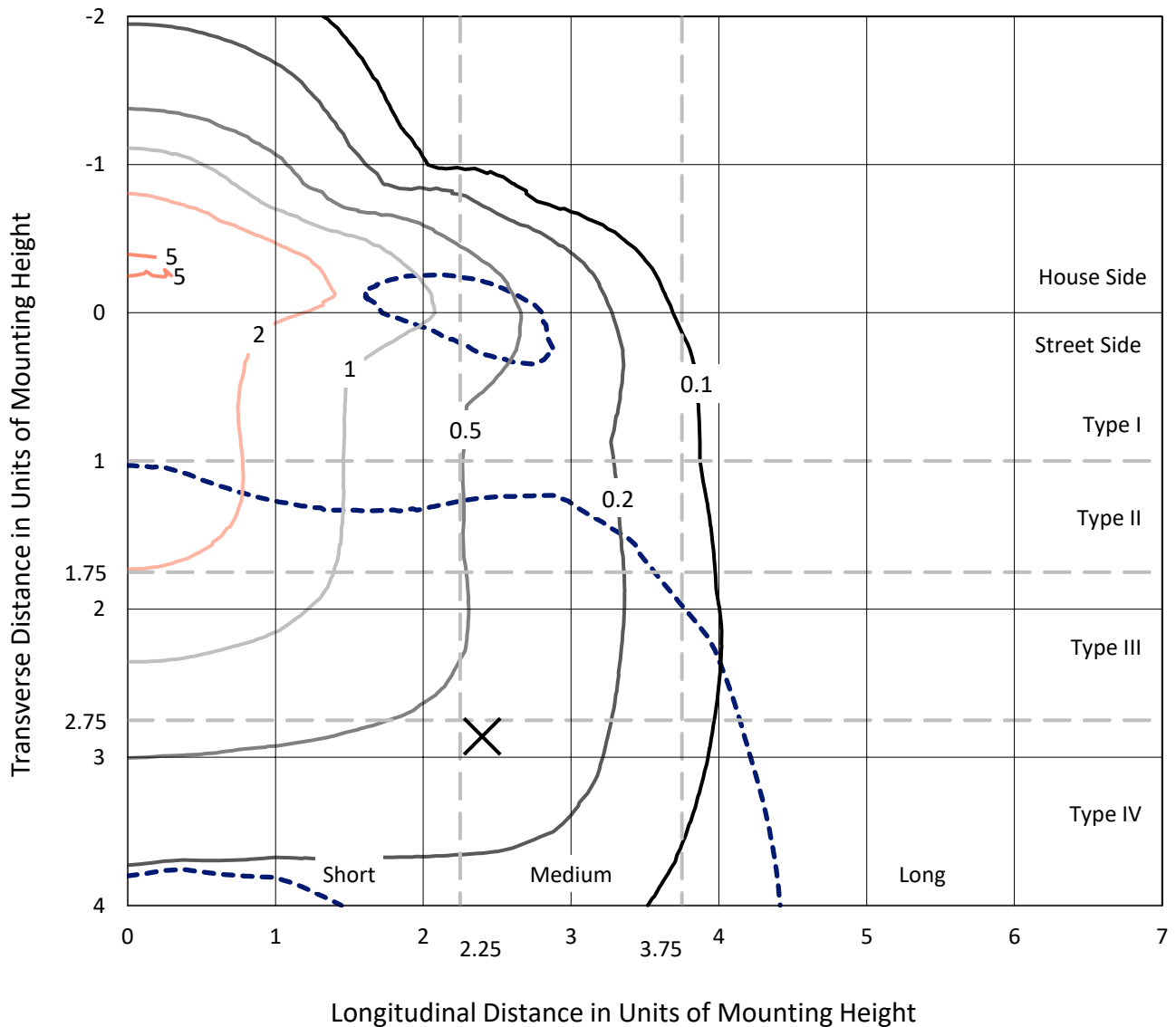
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

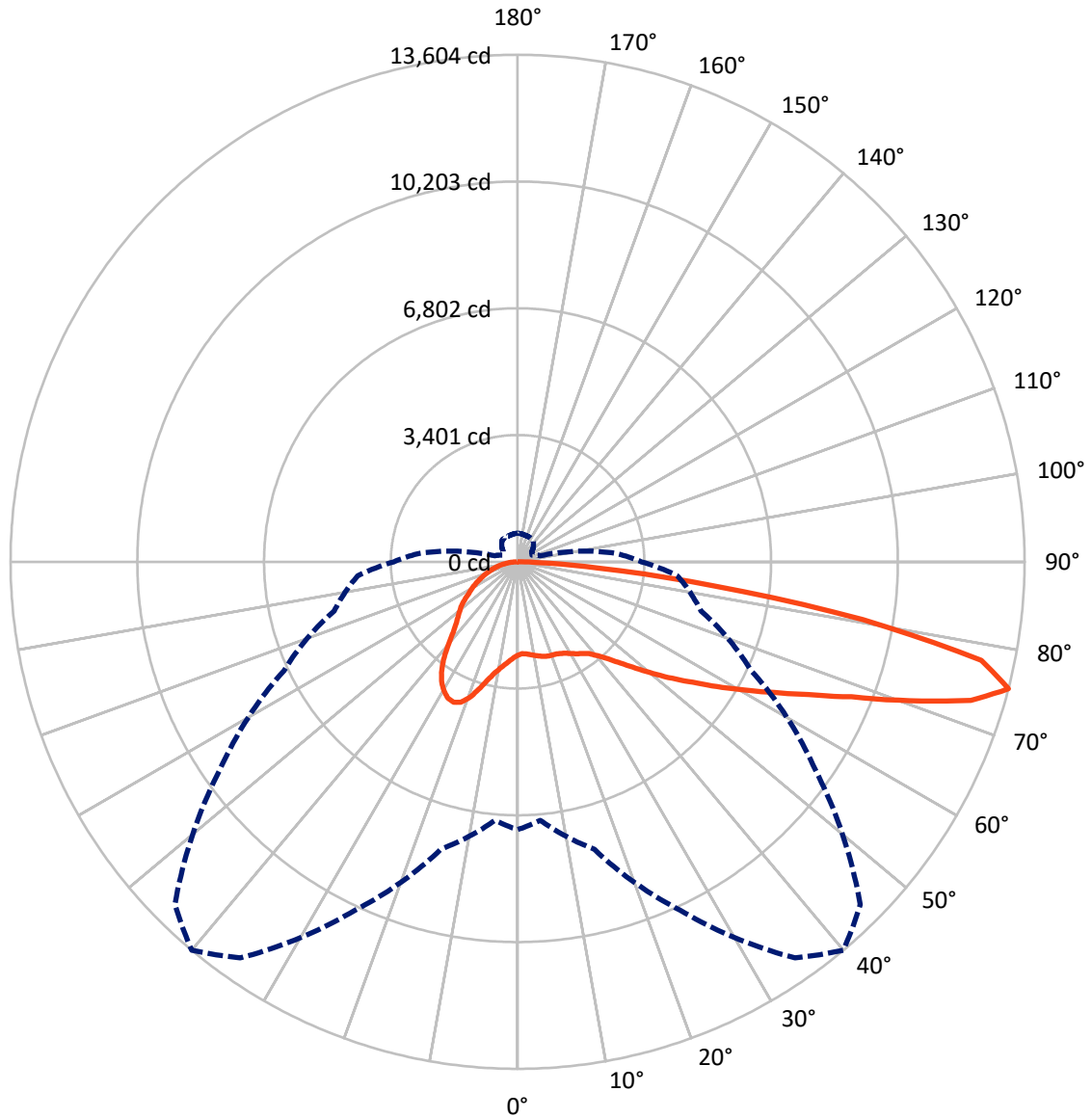
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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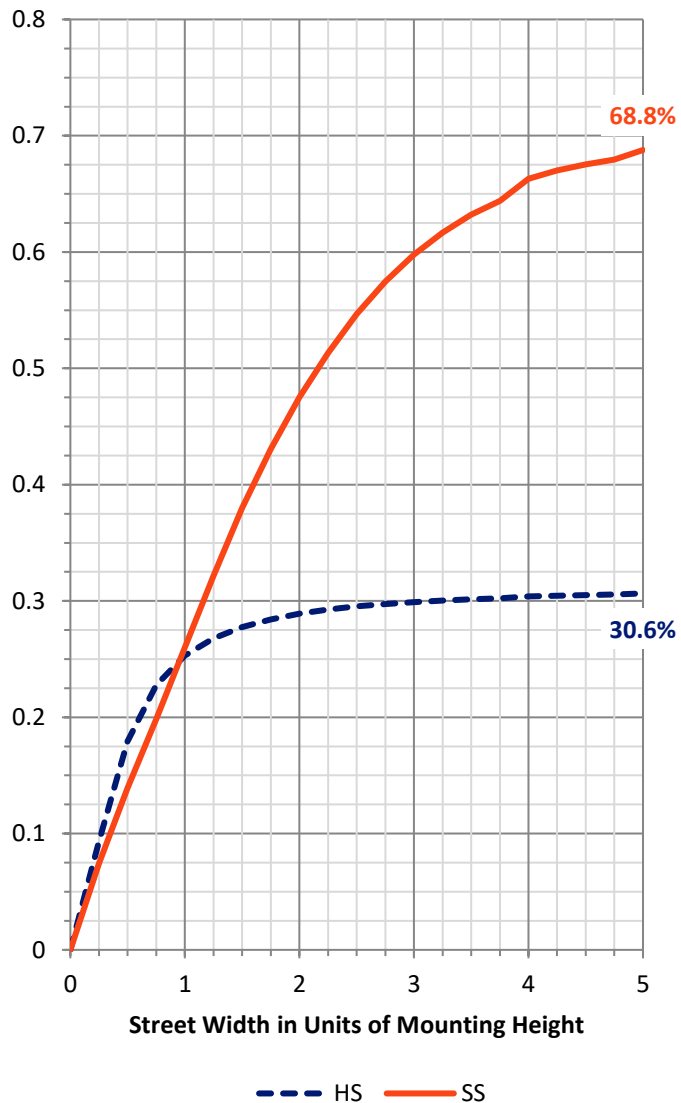
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6772.0   | 0.0    | 6772.0  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 15085.0  | 0.0    | 15085.0 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 21857.0  | 0.0    | 21857.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 249.5   | 1.1       |
| 10°-20°   | 837.6   | 3.8       |
| 20°-30°   | 1529.5  | 7.0       |
| 30°-40°   | 2169.2  | 9.9       |
| 40°-50°   | 2929.1  | 13.4      |
| 50°-60°   | 3940.4  | 18.0      |
| 60°-70°   | 5001.2  | 22.9      |
| 70°-80°   | 4538.9  | 20.8      |
| 80°-90°   | 661.6   | 3.0       |
| 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°    | 21857.0 | 100.0     |
| 0°-180°   | 21857.0 | 100.0     |

**Coefficient of Utilization**

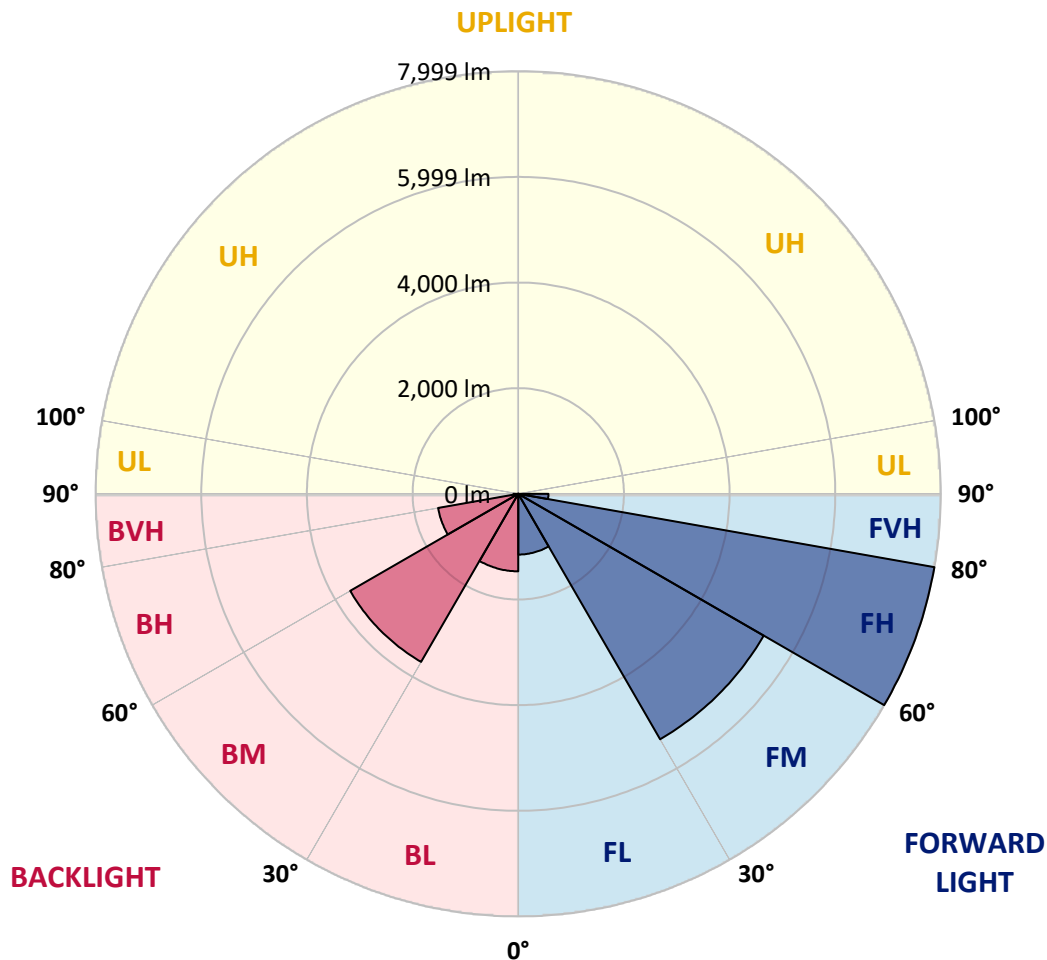


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1149.7 | 5.3       |                         |      |          |
| FM (30°-60°)   | 5365.4 | 24.5      |                         |      |          |
| FH (60°-80°)   | 7999.3 | 36.6      |                         |      | G4/12000 |
| FVH (80°-90°)  | 570.5  | 2.6       |                         |      | G4/750   |
| BL (0°-30°)    | 1466.9 | 6.7       | B3/2500                 |      |          |
| BM (30°-60°)   | 3673.2 | 16.8      | B3/5000                 |      |          |
| BH (60°-80°)   | 1540.8 | 7.0       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 91.1   | 0.4       |                         |      | G1/100   |
| 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°    | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2499.4  | 2499.4  | 2499.4  | 2499.4  | 2499.4  | 2499.4  | 2499.4  | 2499.4 | 2499.4 | 2499.4 |
| 2.5°  | 2461.1  | 2475.0  | 2471.6  | 2466.9  | 2466.9  | 2468.1  | 2466.9  | 2475.0 | 2483.1 | 2491.3 |
| 5°    | 2486.6  | 2500.5  | 2493.6  | 2487.8  | 2483.1  | 2482.0  | 2478.5  | 2477.4 | 2482.0 | 2492.4 |
| 7.5°  | 2536.5  | 2550.4  | 2540.0  | 2529.5  | 2520.2  | 2515.6  | 2511.0  | 2504.0 | 2500.5 | 2506.3 |
| 10°   | 2592.1  | 2606.0  | 2593.3  | 2574.7  | 2559.7  | 2553.9  | 2549.2  | 2542.3 | 2537.6 | 2541.1 |
| 12.5° | 2647.8  | 2661.7  | 2644.3  | 2618.8  | 2599.1  | 2595.6  | 2589.8  | 2587.5 | 2586.3 | 2585.2 |
| 15°   | 2699.9  | 2711.5  | 2689.5  | 2659.4  | 2638.5  | 2632.7  | 2626.9  | 2630.4 | 2636.2 | 2643.1 |
| 17.5° | 2740.5  | 2752.1  | 2719.6  | 2680.2  | 2660.5  | 2658.2  | 2654.7  | 2666.3 | 2682.5 | 2699.9 |
| 20°   | 2777.6  | 2789.2  | 2747.5  | 2694.1  | 2670.9  | 2670.9  | 2672.1  | 2696.5 | 2719.6 | 2745.1 |
| 22.5° | 2829.8  | 2839.0  | 2788.0  | 2715.0  | 2681.4  | 2683.7  | 2693.0  | 2717.3 | 2746.3 | 2781.1 |
| 25°   | 2907.4  | 2914.4  | 2851.8  | 2754.4  | 2716.2  | 2723.1  | 2731.2  | 2742.8 | 2770.6 | 2811.2 |
| 27.5° | 3032.6  | 3038.4  | 2956.1  | 2824.0  | 2766.0  | 2777.6  | 2789.2  | 2781.1 | 2793.8 | 2828.6 |
| 30°   | 3208.8  | 3212.3  | 3108.0  | 2932.9  | 2850.6  | 2856.4  | 2858.7  | 2825.1 | 2800.8 | 2828.6 |
| 32.5° | 3417.5  | 3416.4  | 3292.3  | 3065.1  | 2946.9  | 2941.1  | 2921.3  | 2855.3 | 2798.5 | 2822.8 |
| 35°   | 3741.0  | 3728.2  | 3568.2  | 3250.6  | 3055.8  | 3019.9  | 2973.5  | 2888.9 | 2810.1 | 2817.0 |
| 37.5° | 4276.5  | 4237.1  | 4015.7  | 3554.3  | 3218.1  | 3126.5  | 3058.1  | 2943.4 | 2835.6 | 2814.7 |
| 40°   | 4880.5  | 4830.7  | 4587.2  | 3970.5  | 3461.6  | 3314.3  | 3204.2  | 3021.0 | 2877.3 | 2825.1 |
| 42.5° | 5596.9  | 5526.2  | 5264.2  | 4460.9  | 3769.9  | 3556.6  | 3390.9  | 3119.6 | 2938.7 | 2858.7 |
| 45°   | 6476.8  | 6382.9  | 6012.0  | 5013.8  | 4158.3  | 3874.3  | 3652.8  | 3269.1 | 3032.6 | 2923.7 |
| 47.5° | 7366.0  | 7389.2  | 6861.7  | 5646.8  | 4624.3  | 4266.1  | 3980.9  | 3494.0 | 3169.4 | 3028.0 |
| 50°   | 8310.8  | 8327.0  | 7706.8  | 6348.1  | 5152.9  | 4708.9  | 4349.6  | 3745.6 | 3359.6 | 3176.4 |
| 52.5° | 9048.1  | 9050.4  | 8474.2  | 7082.0  | 5703.6  | 5195.8  | 4747.2  | 4033.1 | 3579.8 | 3373.5 |
| 55°   | 9509.5  | 9503.7  | 9012.1  | 7776.4  | 6336.5  | 5707.1  | 5187.7  | 4360.0 | 3848.8 | 3605.3 |
| 57.5° | 9844.5  | 9827.1  | 9383.1  | 8373.4  | 7011.2  | 6311.0  | 5686.2  | 4731.0 | 4166.4 | 3881.2 |
| 60°   | 9972.0  | 9961.6  | 9634.7  | 8889.3  | 7720.7  | 6978.8  | 6261.2  | 5146.0 | 4526.9 | 4207.0 |
| 62.5° | 10020.7 | 10040.4 | 9881.6  | 9388.9  | 8480.0  | 7718.4  | 6893.0  | 5642.1 | 4932.7 | 4575.6 |
| 65°   | 10192.3 | 10228.2 | 10195.7 | 10042.7 | 9337.9  | 8584.4  | 7731.1  | 6232.2 | 5375.5 | 4970.9 |
| 67.5° | 10531.9 | 10567.9 | 10581.8 | 10825.2 | 10385.9 | 9663.6  | 8776.8  | 6967.2 | 5893.7 | 5381.3 |
| 70°   | 10523.8 | 10513.4 | 10759.1 | 11447.7 | 11698.2 | 11157.9 | 10186.5 | 7871.4 | 6511.6 | 5722.1 |
| 72.5° | 9579.0  | 9495.5  | 10076.3 | 11440.8 | 12790.2 | 12718.3 | 11908.0 | 9037.6 | 7044.9 | 5763.9 |
| 75°   | 7186.3  | 6963.7  | 7989.7  | 10310.5 | 12972.2 | 13604.0 | 13002.3 | 9761.0 | 6918.5 | 5092.7 |
| 77.5° | 3073.2  | 2849.5  | 4058.6  | 7632.6  | 11610.0 | 12717.1 | 11998.4 | 8516.0 | 5522.7 | 3367.7 |
| 80°   | 804.5   | 803.4   | 1226.5  | 3460.4  | 7895.8  | 9391.2  | 8238.9  | 5499.6 | 3155.5 | 1203.3 |
| 82.5° | 332.7   | 324.6   | 451.0   | 1345.9  | 3858.0  | 5270.0  | 4300.9  | 2453.0 | 1139.6 | 325.8  |
| 85°   | 124.0   | 122.9   | 219.1   | 464.9   | 1361.0  | 2173.6  | 1573.1  | 627.2  | 284.0  | 158.8  |
| 87.5° | 34.8    | 33.6    | 47.5    | 161.1   | 331.6   | 503.1   | 268.9   | 103.2  | 80.0   | 62.6   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2499.4 | 0°    | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 | 2499.4 |
| 2504.0 | 2.5°  | 2507.5 | 2513.3 | 2523.7 | 2531.8 | 2542.3 | 2553.9 | 2570.1 | 2580.5 | 2591.0 | 2597.9 |
| 2509.8 | 5°    | 2517.9 | 2530.7 | 2557.3 | 2584.0 | 2615.3 | 2644.3 | 2677.9 | 2702.2 | 2722.0 | 2727.8 |
| 2530.7 | 7.5°  | 2541.1 | 2562.0 | 2607.2 | 2652.4 | 2702.2 | 2749.8 | 2798.5 | 2840.2 | 2873.8 | 2886.6 |
| 2567.8 | 10°   | 2581.7 | 2609.5 | 2673.3 | 2737.0 | 2803.1 | 2876.1 | 2938.7 | 2999.0 | 3046.6 | 3066.3 |
| 2611.8 | 12.5° | 2632.7 | 2667.5 | 2750.9 | 2839.0 | 2930.6 | 3031.5 | 3112.6 | 3186.8 | 3245.9 | 3272.6 |
| 2673.3 | 15°   | 2698.8 | 2744.0 | 2850.6 | 2968.9 | 3103.4 | 3243.6 | 3346.8 | 3429.1 | 3495.2 | 3527.6 |
| 2737.0 | 17.5° | 2770.6 | 2830.9 | 2965.4 | 3143.9 | 3336.4 | 3520.7 | 3641.3 | 3701.5 | 3769.9 | 3801.2 |
| 2796.1 | 20°   | 2840.2 | 2914.4 | 3106.8 | 3366.5 | 3622.7 | 3818.6 | 3916.0 | 3932.2 | 3936.9 | 3940.3 |
| 2851.8 | 22.5° | 2912.1 | 3011.8 | 3284.2 | 3647.1 | 3921.8 | 4057.4 | 4071.3 | 4001.8 | 3904.4 | 3859.2 |
| 2906.3 | 25°   | 2990.9 | 3123.1 | 3516.1 | 3956.6 | 4179.2 | 4195.4 | 4088.7 | 3919.5 | 3735.2 | 3650.5 |
| 2950.3 | 27.5° | 3067.4 | 3251.7 | 3794.3 | 4252.2 | 4364.6 | 4222.0 | 3992.5 | 3752.5 | 3530.0 | 3440.7 |
| 2981.6 | 30°   | 3143.9 | 3399.0 | 4101.5 | 4510.7 | 4449.3 | 4156.0 | 3840.6 | 3572.9 | 3349.1 | 3255.2 |
| 3009.5 | 32.5° | 3221.6 | 3570.5 | 4455.1 | 4697.3 | 4434.2 | 4015.7 | 3651.7 | 3371.1 | 3174.1 | 3075.5 |
| 3033.8 | 35°   | 3309.7 | 3781.5 | 4790.1 | 4799.4 | 4333.3 | 3809.3 | 3402.4 | 3130.0 | 2958.4 | 2879.6 |
| 3062.8 | 37.5° | 3424.5 | 4049.3 | 5085.7 | 4824.9 | 4157.1 | 3506.8 | 3092.9 | 2844.8 | 2703.4 | 2667.5 |
| 3105.7 | 40°   | 3567.1 | 4371.6 | 5311.8 | 4784.3 | 3896.3 | 3139.3 | 2754.4 | 2556.2 | 2476.2 | 2484.3 |
| 3163.6 | 42.5° | 3752.5 | 4732.1 | 5470.6 | 4680.0 | 3533.4 | 2760.2 | 2457.6 | 2369.5 | 2407.8 | 2440.3 |
| 3250.6 | 45°   | 3993.7 | 5106.6 | 5569.1 | 4502.6 | 3123.1 | 2439.1 | 2282.6 | 2303.5 | 2332.4 | 2335.9 |
| 3390.9 | 47.5° | 4302.0 | 5485.6 | 5634.0 | 4234.8 | 2704.6 | 2213.0 | 2171.3 | 2175.9 | 2170.1 | 2145.8 |
| 3600.7 | 50°   | 4686.9 | 5854.3 | 5692.0 | 3880.1 | 2348.7 | 2071.6 | 2016.0 | 1999.7 | 1919.7 | 1840.9 |
| 3880.1 | 52.5° | 5125.1 | 6192.8 | 5716.3 | 3439.5 | 2071.6 | 1953.4 | 1862.9 | 1760.9 | 1611.4 | 1587.0 |
| 4231.3 | 55°   | 5612.0 | 6505.8 | 5653.7 | 2898.2 | 1838.6 | 1801.5 | 1664.7 | 1541.8 | 1525.6 | 1504.7 |
| 4693.9 | 57.5° | 6194.0 | 6843.1 | 5526.2 | 2294.2 | 1599.8 | 1624.1 | 1490.8 | 1504.7 | 1475.7 | 1443.3 |
| 5288.6 | 60°   | 6830.4 | 7192.1 | 5302.5 | 1743.5 | 1352.9 | 1402.7 | 1445.6 | 1444.4 | 1436.3 | 1409.7 |
| 5915.7 | 62.5° | 7403.1 | 7421.6 | 4862.0 | 1335.5 | 1136.1 | 1231.1 | 1348.2 | 1347.1 | 1340.1 | 1325.0 |
| 6570.7 | 65°   | 7743.9 | 7386.8 | 4127.0 | 1051.5 | 957.6  | 1089.7 | 1216.1 | 1225.3 | 1226.5 | 1225.3 |
| 7063.4 | 67.5° | 7683.6 | 6979.9 | 3118.4 | 837.0  | 810.3  | 946.0  | 1085.1 | 1097.8 | 1107.1 | 1109.4 |
| 7126.0 | 70°   | 7002.0 | 6086.1 | 2033.4 | 667.7  | 679.3  | 819.6  | 961.0  | 973.8  | 981.9  | 991.2  |
| 6183.5 | 72.5° | 5457.8 | 4474.8 | 1163.9 | 540.2  | 564.6  | 710.6  | 838.1  | 853.2  | 857.9  | 875.2  |
| 4303.2 | 75°   | 3325.9 | 2631.5 | 628.3  | 425.5  | 463.7  | 607.5  | 716.4  | 733.8  | 741.9  | 762.8  |
| 2113.3 | 77.5° | 1581.2 | 1139.6 | 358.2  | 331.6  | 373.3  | 496.2  | 605.1  | 624.8  | 602.8  | 614.4  |
| 583.1  | 80°   | 534.4  | 423.1  | 226.1  | 252.7  | 285.2  | 387.2  | 484.6  | 504.3  | 457.9  | 455.6  |
| 193.6  | 82.5° | 186.6  | 171.6  | 143.7  | 168.1  | 184.3  | 277.1  | 366.3  | 391.8  | 340.8  | 339.7  |
| 86.9   | 85°   | 73.0   | 69.6   | 80.0   | 91.6   | 110.1  | 170.4  | 241.1  | 253.9  | 209.8  | 169.3  |
| 25.5   | 87.5° | 15.1   | 16.2   | 19.7   | 20.9   | 33.6   | 59.1   | 86.9   | 106.7  | 84.6   | 71.9   |
| 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°   |
|--------|
| 2499.4 |
| 2593.3 |
| 2730.1 |
| 2887.7 |
| 3067.4 |
| 3272.6 |
| 3525.3 |
| 3800.1 |
| 3949.6 |
| 3871.9 |
| 3663.3 |
| 3451.1 |
| 3265.7 |
| 3088.3 |
| 2897.0 |
| 2693.0 |
| 2512.1 |
| 2470.4 |
| 2359.1 |
| 2164.3 |
| 1851.3 |
| 1595.1 |
| 1508.2 |
| 1437.5 |
| 1400.4 |
| 1319.2 |
| 1225.3 |
| 1111.7 |
| 995.8  |
| 882.2  |
| 765.1  |
| 605.1  |
| 451.0  |
| 323.4  |
| 166.9  |
| 66.1   |
| 0.0    |

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