

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: P948483

Luminaire Tested: **GLAN-SB3C-735-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948483  
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-SB3C-735-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 22426 lumens  
Efficiency: N/A  
Efficacy: 150.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
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



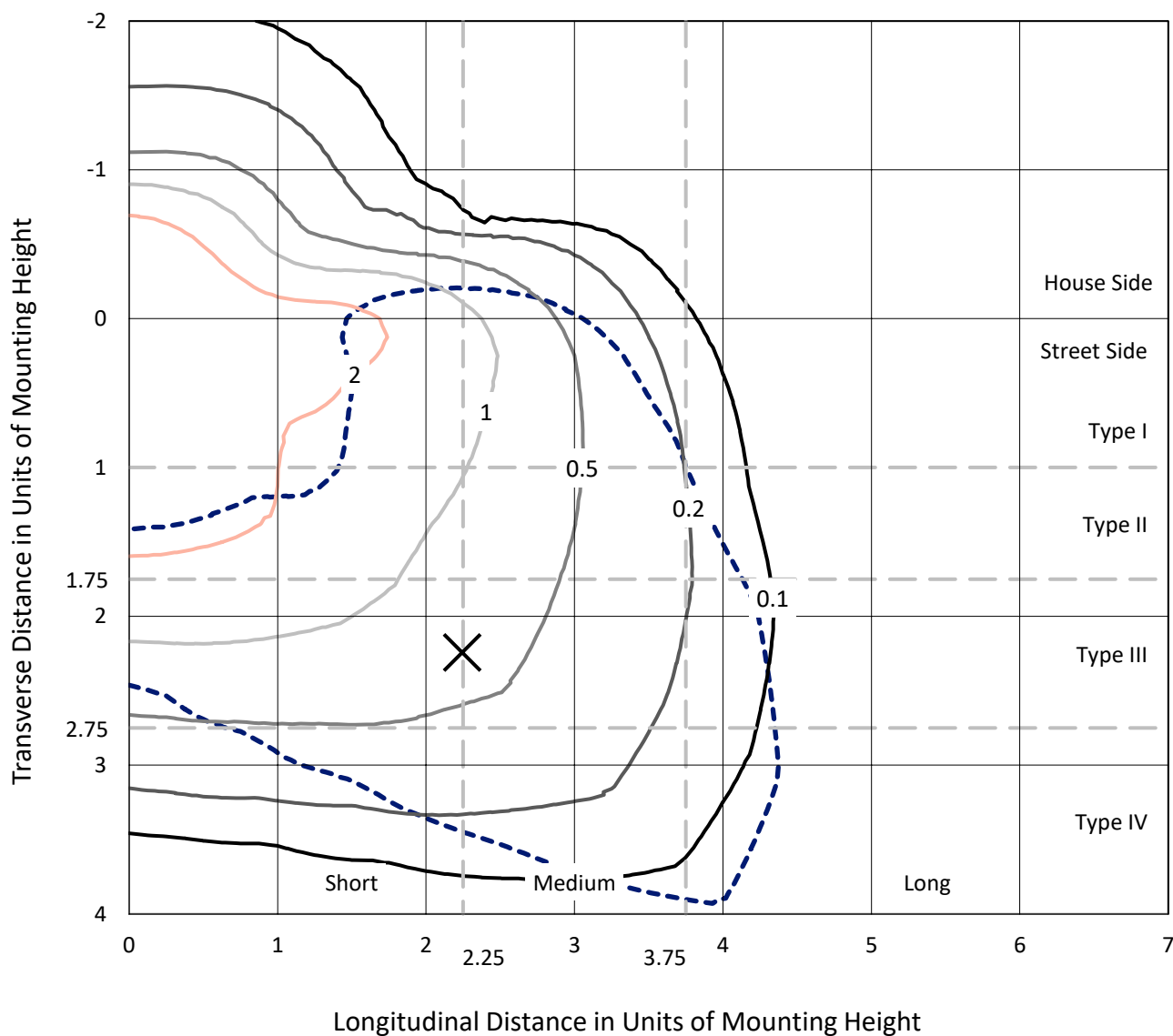
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



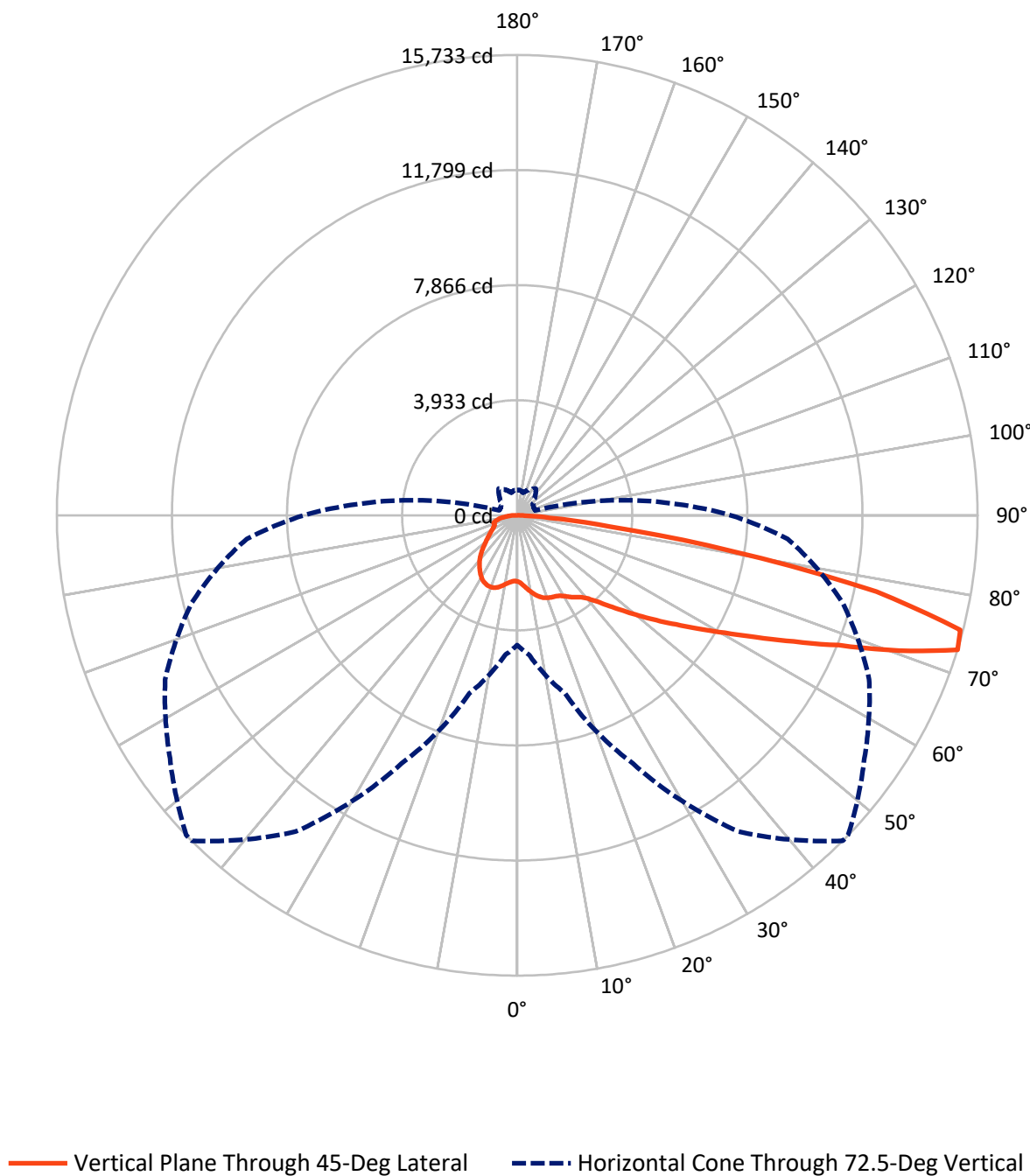
Based on 25 foot mounting height. Maximum calculated value = 4.5 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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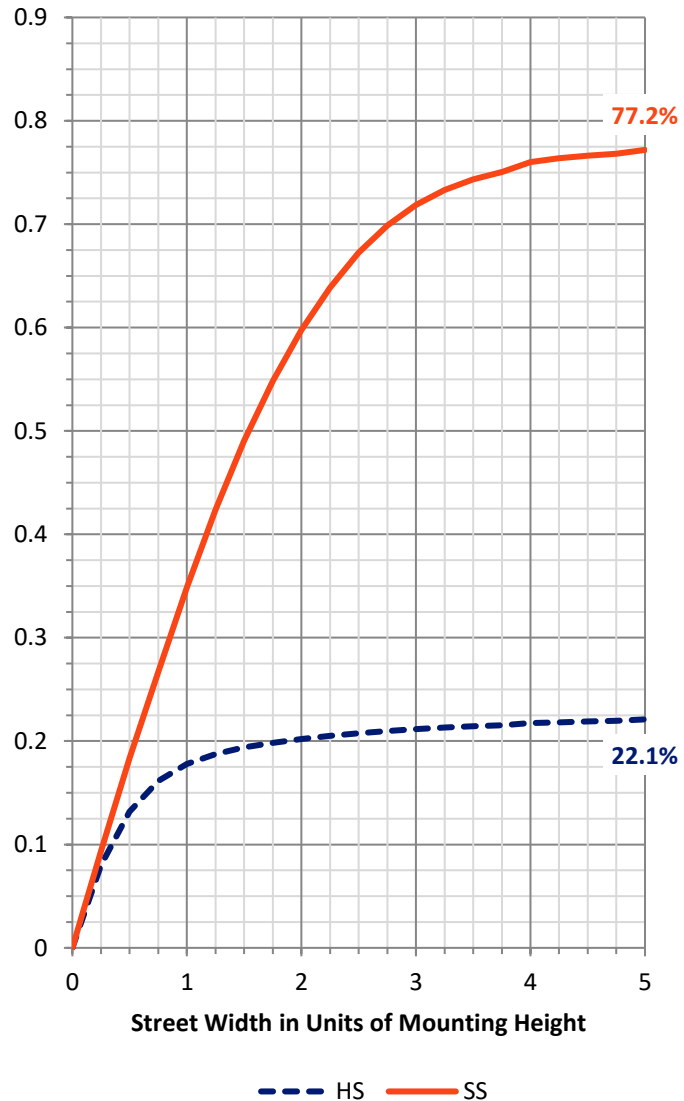
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5069.8   | 0.0    | 5069.8  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 17356.2  | 0.0    | 17356.2 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 22426.0  | 0.0    | 22426.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 230.3   | 1.0       |
| 10°-20°   | 767.7   | 3.4       |
| 20°-30°   | 1335.5  | 6.0       |
| 30°-40°   | 1914.5  | 8.5       |
| 40°-50°   | 2695.7  | 12.0      |
| 50°-60°   | 4129.1  | 18.4      |
| 60°-70°   | 5981.6  | 26.7      |
| 70°-80°   | 4776.7  | 21.3      |
| 80°-90°   | 594.9   | 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°    | 22426.0 | 100.0     |
| 0°-180°   | 22426.0 | 100.0     |

**Coefficient of Utilization**



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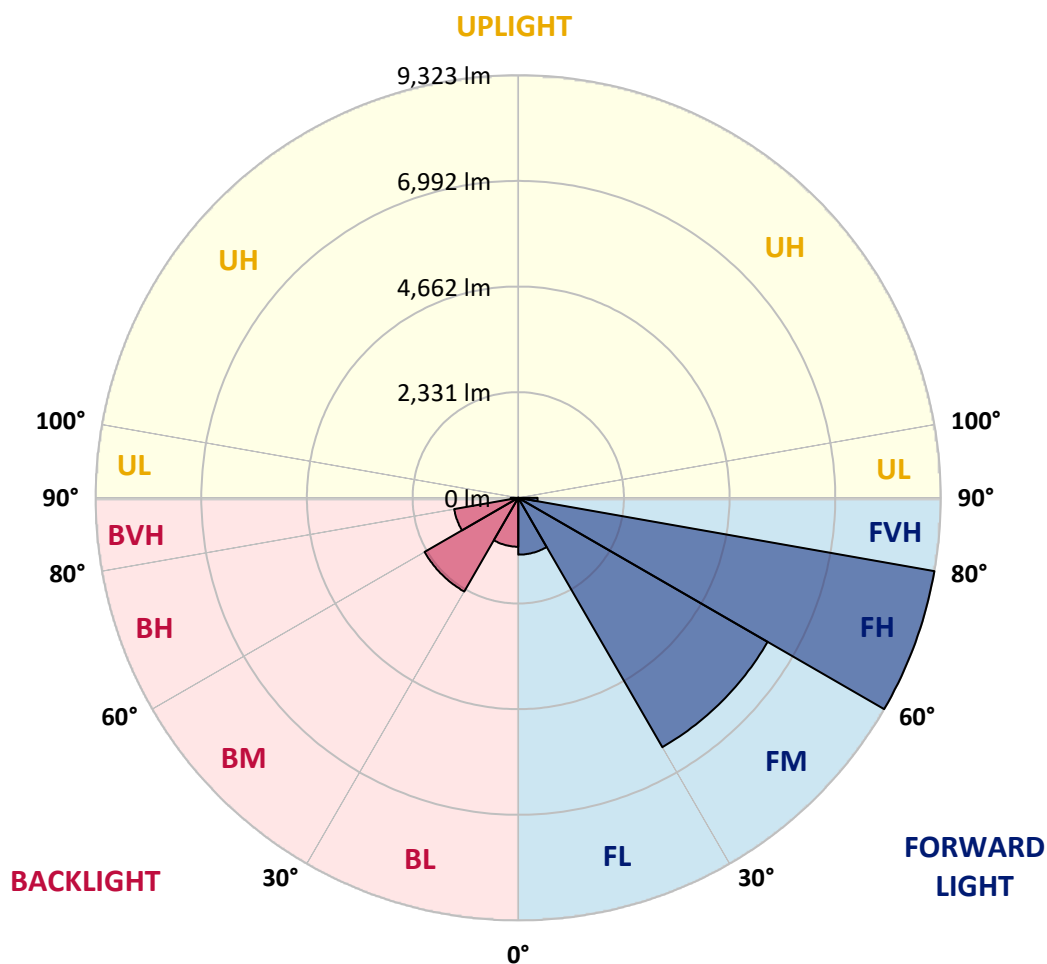
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1254.1 | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 6352.2 | 28.3      |                         |      |          |
| FH   | (60°-80°)   | 9323.1 | 41.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 426.8  | 1.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1079.4 | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2387.1 | 10.6      | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1435.1 | 6.4       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 168.1  | 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°    | 2262.3 | 2262.3 | 2262.3 | 2262.3  | 2262.3  | 2262.3  | 2262.3  | 2262.3  | 2262.3  | 2262.3  |
| 2.5°  | 2351.0 | 2366.3 | 2352.1 | 2339.1  | 2333.2  | 2317.9  | 2316.7  | 2307.2  | 2301.3  | 2284.8  |
| 5°    | 2515.2 | 2535.2 | 2511.6 | 2485.6  | 2462.0  | 2424.2  | 2419.5  | 2392.3  | 2361.6  | 2326.1  |
| 7.5°  | 2700.6 | 2718.4 | 2691.2 | 2652.2  | 2610.9  | 2548.2  | 2547.1  | 2497.4  | 2449.0  | 2388.8  |
| 10°   | 2862.5 | 2886.1 | 2849.5 | 2796.3  | 2744.4  | 2673.5  | 2665.2  | 2608.5  | 2547.1  | 2469.1  |
| 12.5° | 3005.4 | 3022.0 | 2986.5 | 2921.6  | 2861.3  | 2790.4  | 2779.8  | 2717.2  | 2648.7  | 2560.1  |
| 15°   | 3118.8 | 3140.1 | 3092.9 | 3023.2  | 2959.4  | 2889.7  | 2880.2  | 2823.5  | 2755.0  | 2661.7  |
| 17.5° | 3193.3 | 3211.0 | 3162.6 | 3084.6  | 3023.2  | 2965.3  | 2958.2  | 2910.9  | 2850.7  | 2756.2  |
| 20°   | 3221.6 | 3240.5 | 3189.7 | 3110.6  | 3053.9  | 3009.0  | 3005.4  | 2971.2  | 2929.8  | 2843.6  |
| 22.5° | 3250.0 | 3267.7 | 3201.5 | 3118.8  | 3069.2  | 3040.9  | 3039.7  | 3017.3  | 3000.7  | 2929.8  |
| 25°   | 3364.6 | 3369.3 | 3280.7 | 3161.4  | 3090.5  | 3065.7  | 3064.5  | 3063.3  | 3070.4  | 3014.9  |
| 27.5° | 3463.8 | 3462.6 | 3387.0 | 3274.8  | 3164.9  | 3112.9  | 3111.8  | 3123.6  | 3146.0  | 3099.9  |
| 30°   | 3609.1 | 3596.1 | 3506.3 | 3389.4  | 3289.0  | 3208.6  | 3201.5  | 3190.9  | 3208.6  | 3172.0  |
| 32.5° | 3917.5 | 3876.1 | 3730.8 | 3522.9  | 3391.7  | 3330.3  | 3320.9  | 3254.7  | 3261.8  | 3239.3  |
| 35°   | 4359.3 | 4305.0 | 4111.2 | 3775.7  | 3519.3  | 3431.9  | 3427.2  | 3343.3  | 3329.1  | 3309.1  |
| 37.5° | 4885.0 | 4817.7 | 4592.0 | 4141.9  | 3739.1  | 3550.1  | 3543.0  | 3467.4  | 3409.5  | 3388.2  |
| 40°   | 5413.1 | 5328.0 | 5141.4 | 4588.5  | 4062.8  | 3747.3  | 3724.9  | 3610.3  | 3544.1  | 3508.7  |
| 42.5° | 5925.8 | 5854.9 | 5695.4 | 5089.4  | 4462.1  | 4035.6  | 3986.0  | 3789.9  | 3740.3  | 3707.2  |
| 45°   | 6379.5 | 6315.7 | 6198.7 | 5624.6  | 4929.9  | 4427.8  | 4379.4  | 4059.2  | 4043.9  | 4043.9  |
| 47.5° | 6748.1 | 6733.9 | 6609.8 | 6170.4  | 5481.6  | 4874.4  | 4790.5  | 4433.7  | 4475.1  | 4538.9  |
| 50°   | 7156.8 | 7117.8 | 6985.5 | 6707.9  | 6130.2  | 5385.9  | 5317.4  | 4893.3  | 5048.0  | 5222.9  |
| 52.5° | 7532.5 | 7553.8 | 7406.1 | 7267.9  | 6862.6  | 5956.5  | 5836.0  | 5435.5  | 5769.9  | 6059.3  |
| 55°   | 7918.8 | 7920.0 | 7878.6 | 7859.7  | 7630.5  | 6587.4  | 6455.1  | 6087.7  | 6619.3  | 6978.4  |
| 57.5° | 8281.5 | 8283.9 | 8345.3 | 8511.9  | 8521.3  | 7315.1  | 7165.1  | 6888.6  | 7563.2  | 7929.4  |
| 60°   | 8605.2 | 8621.7 | 8789.5 | 9179.3  | 9304.6  | 8149.2  | 8007.4  | 7834.9  | 8539.0  | 8907.6  |
| 62.5° | 8713.9 | 8774.1 | 9147.4 | 9701.5  | 10078.4 | 9172.3  | 9032.8  | 8930.1  | 9564.5  | 9907.1  |
| 65°   | 8529.6 | 8667.8 | 9389.6 | 10132.7 | 10874.6 | 10387.9 | 10249.7 | 10137.4 | 10630.1 | 10952.6 |
| 67.5° | 8077.1 | 8255.5 | 9375.4 | 10585.2 | 11841.0 | 11850.4 | 11721.7 | 11458.2 | 11772.5 | 11896.5 |
| 70°   | 6885.1 | 7152.1 | 8549.7 | 10754.1 | 12950.3 | 13850.5 | 13726.5 | 13048.4 | 12912.5 | 12312.4 |
| 72.5° | 4436.1 | 4795.2 | 6295.6 | 9363.6  | 13197.2 | 15732.5 | 15725.4 | 14483.7 | 13272.8 | 11504.3 |
| 75°   | 1618.5 | 1838.2 | 2925.1 | 5877.4  | 11077.8 | 15636.8 | 15682.8 | 14238.0 | 12116.3 | 8886.4  |
| 77.5° | 589.5  | 645.0  | 954.6  | 2258.8  | 6813.0  | 12546.3 | 12642.0 | 11382.6 | 8624.1  | 4459.7  |
| 80°   | 309.5  | 340.2  | 489.1  | 876.6   | 2919.2  | 7451.0  | 7601.0  | 6764.6  | 4053.3  | 1343.2  |
| 82.5° | 171.3  | 185.5  | 274.1  | 476.1   | 1314.9  | 3186.2  | 3276.0  | 2672.3  | 1425.9  | 569.4   |
| 85°   | 92.1   | 98.1   | 128.8  | 259.9   | 642.7   | 1104.6  | 1129.4  | 798.6   | 568.2   | 334.3   |
| 87.5° | 27.2   | 33.1   | 42.5   | 82.7    | 251.6   | 248.1   | 254.0   | 158.3   | 224.5   | 168.9   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2262.3  | 0°    | 2262.3  | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 |
| 2280.1  | 2.5°  | 2273.0  | 2269.4 | 2256.4 | 2250.5 | 2243.4 | 2242.3 | 2248.2 | 2249.4 | 2250.5 | 2251.7 |
| 2306.1  | 5°    | 2294.2  | 2282.4 | 2270.6 | 2263.5 | 2265.9 | 2267.1 | 2278.9 | 2287.2 | 2293.1 | 2297.8 |
| 2354.5  | 7.5°  | 2335.6  | 2326.1 | 2306.1 | 2304.9 | 2308.4 | 2319.1 | 2334.4 | 2353.3 | 2363.9 | 2372.2 |
| 2417.1  | 10°   | 2397.0  | 2379.3 | 2355.7 | 2359.2 | 2366.3 | 2381.7 | 2413.6 | 2428.9 | 2446.6 | 2462.0 |
| 2493.9  | 12.5° | 2459.6  | 2444.3 | 2417.1 | 2419.5 | 2431.3 | 2458.5 | 2489.2 | 2508.1 | 2519.9 | 2531.7 |
| 2576.6  | 15°   | 2541.2  | 2514.0 | 2484.4 | 2484.4 | 2505.7 | 2535.2 | 2549.4 | 2564.8 | 2571.9 | 2584.9 |
| 2665.2  | 17.5° | 2625.0  | 2589.6 | 2550.6 | 2548.2 | 2574.2 | 2588.4 | 2596.7 | 2599.0 | 2601.4 | 2615.6 |
| 2751.4  | 20°   | 2708.9  | 2669.9 | 2614.4 | 2609.7 | 2615.6 | 2613.2 | 2612.0 | 2609.7 | 2613.2 | 2630.9 |
| 2840.0  | 22.5° | 2791.6  | 2746.7 | 2669.9 | 2648.7 | 2632.1 | 2609.7 | 2608.5 | 2607.3 | 2609.7 | 2627.4 |
| 2935.7  | 25°   | 2888.5  | 2834.1 | 2731.4 | 2667.6 | 2612.0 | 2581.3 | 2584.9 | 2586.0 | 2588.4 | 2602.6 |
| 3035.0  | 27.5° | 2993.6  | 2933.4 | 2788.1 | 2661.7 | 2561.2 | 2540.0 | 2534.1 | 2537.6 | 2545.9 | 2568.3 |
| 3134.2  | 30°   | 3098.8  | 3027.9 | 2840.0 | 2638.0 | 2497.4 | 2467.9 | 2449.0 | 2457.3 | 2483.3 | 2505.7 |
| 3220.4  | 32.5° | 3194.5  | 3123.6 | 2881.4 | 2586.0 | 2415.9 | 2369.9 | 2345.0 | 2355.7 | 2381.7 | 2389.9 |
| 3316.1  | 35°   | 3306.7  | 3226.4 | 2899.1 | 2503.3 | 2327.3 | 2256.4 | 2223.4 | 2208.0 | 2221.0 | 2212.7 |
| 3428.4  | 37.5° | 3431.9  | 3348.0 | 2896.7 | 2394.7 | 2223.4 | 2141.8 | 2095.8 | 2037.9 | 2010.7 | 1982.4 |
| 3593.8  | 40°   | 3617.4  | 3496.9 | 2868.4 | 2263.5 | 2094.6 | 2020.2 | 1937.5 | 1839.4 | 1778.0 | 1722.5 |
| 3860.8  | 42.5° | 3870.2  | 3703.6 | 2816.4 | 2119.4 | 1949.3 | 1879.6 | 1767.3 | 1652.8 | 1555.9 | 1463.7 |
| 4266.0  | 45°   | 4247.1  | 3974.2 | 2751.4 | 1965.8 | 1792.2 | 1723.6 | 1602.0 | 1473.2 | 1363.3 | 1245.2 |
| 4841.3  | 47.5° | 4790.5  | 4338.0 | 2690.0 | 1791.0 | 1626.8 | 1564.2 | 1454.3 | 1335.0 | 1205.0 | 1090.4 |
| 5673.0  | 50°   | 5537.1  | 4860.2 | 2633.3 | 1620.9 | 1463.7 | 1416.5 | 1329.1 | 1207.4 | 1076.2 | 984.1  |
| 6647.6  | 52.5° | 6487.0  | 5570.2 | 2609.7 | 1456.6 | 1311.3 | 1293.6 | 1223.9 | 1110.5 | 986.5  | 908.5  |
| 7784.1  | 55°   | 7577.4  | 6419.6 | 2609.7 | 1299.5 | 1177.8 | 1183.7 | 1135.3 | 1030.2 | 922.7  | 853.0  |
| 8956.1  | 57.5° | 8690.2  | 7279.7 | 2562.4 | 1154.2 | 1064.4 | 1089.2 | 1058.5 | 966.4  | 869.5  | 797.4  |
| 10188.2 | 60°   | 9715.7  | 8000.3 | 2371.0 | 1021.9 | 964.0  | 1003.0 | 982.9  | 903.8  | 785.6  | 725.4  |
| 11218.4 | 62.5° | 10503.7 | 8406.7 | 2002.4 | 916.8  | 881.3  | 926.2  | 915.6  | 821.1  | 770.3  | 745.5  |
| 12064.3 | 65°   | 10898.3 | 8340.6 | 1531.1 | 823.4  | 811.6  | 881.3  | 858.9  | 855.3  | 815.2  | 786.8  |
| 12339.5 | 67.5° | 10656.1 | 7771.1 | 1110.5 | 754.9  | 771.4  | 840.0  | 926.2  | 940.4  | 866.0  | 810.4  |
| 11564.6 | 70°   | 9594.0  | 6741.0 | 827.0  | 689.9  | 720.6  | 841.1  | 1056.2 | 984.1  | 849.4  | 784.4  |
| 9275.0  | 72.5° | 7298.6  | 5026.8 | 641.5  | 621.4  | 654.5  | 847.1  | 1114.0 | 964.0  | 802.2  | 867.1  |
| 5778.1  | 75°   | 4173.8  | 2759.7 | 515.1  | 537.5  | 571.8  | 791.5  | 1084.5 | 912.0  | 765.5  | 796.3  |
| 2289.5  | 77.5° | 1591.3  | 1060.9 | 425.3  | 454.8  | 459.6  | 691.1  | 1037.3 | 908.5  | 728.9  | 711.2  |
| 686.4   | 80°   | 551.7   | 414.7  | 352.1  | 361.5  | 355.6  | 614.3  | 994.7  | 790.3  | 596.6  | 534.0  |
| 283.5   | 82.5° | 225.6   | 206.7  | 278.8  | 267.0  | 252.8  | 477.3  | 803.3  | 646.2  | 487.9  | 431.2  |
| 137.0   | 85°   | 98.1    | 131.1  | 184.3  | 161.8  | 146.5  | 330.8  | 643.9  | 547.0  | 412.3  | 355.6  |
| 44.9    | 87.5° | 20.1    | 49.6   | 78.0   | 73.2   | 75.6   | 220.9  | 457.2  | 388.7  | 291.8  | 218.6  |
| 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°   |
|--------|
| 2262.3 |
| 2256.4 |
| 2300.2 |
| 2374.6 |
| 2458.5 |
| 2536.4 |
| 2589.6 |
| 2620.3 |
| 2638.0 |
| 2639.2 |
| 2621.5 |
| 2590.8 |
| 2530.5 |
| 2419.5 |
| 2238.7 |
| 2000.1 |
| 1726.0 |
| 1455.5 |
| 1231.0 |
| 1077.4 |
| 978.2  |
| 902.6  |
| 845.9  |
| 785.6  |
| 715.9  |
| 737.2  |
| 777.3  |
| 801.0  |
| 773.8  |
| 860.0  |
| 796.3  |
| 648.6  |
| 516.3  |
| 426.5  |
| 354.4  |
| 171.3  |
| 0.0    |