

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: P940527

Luminaire Tested: **GLAN-SB3C-850-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940527  
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-SB3C-850-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21508 lumens  
Efficiency: N/A  
Efficacy: 144.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

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



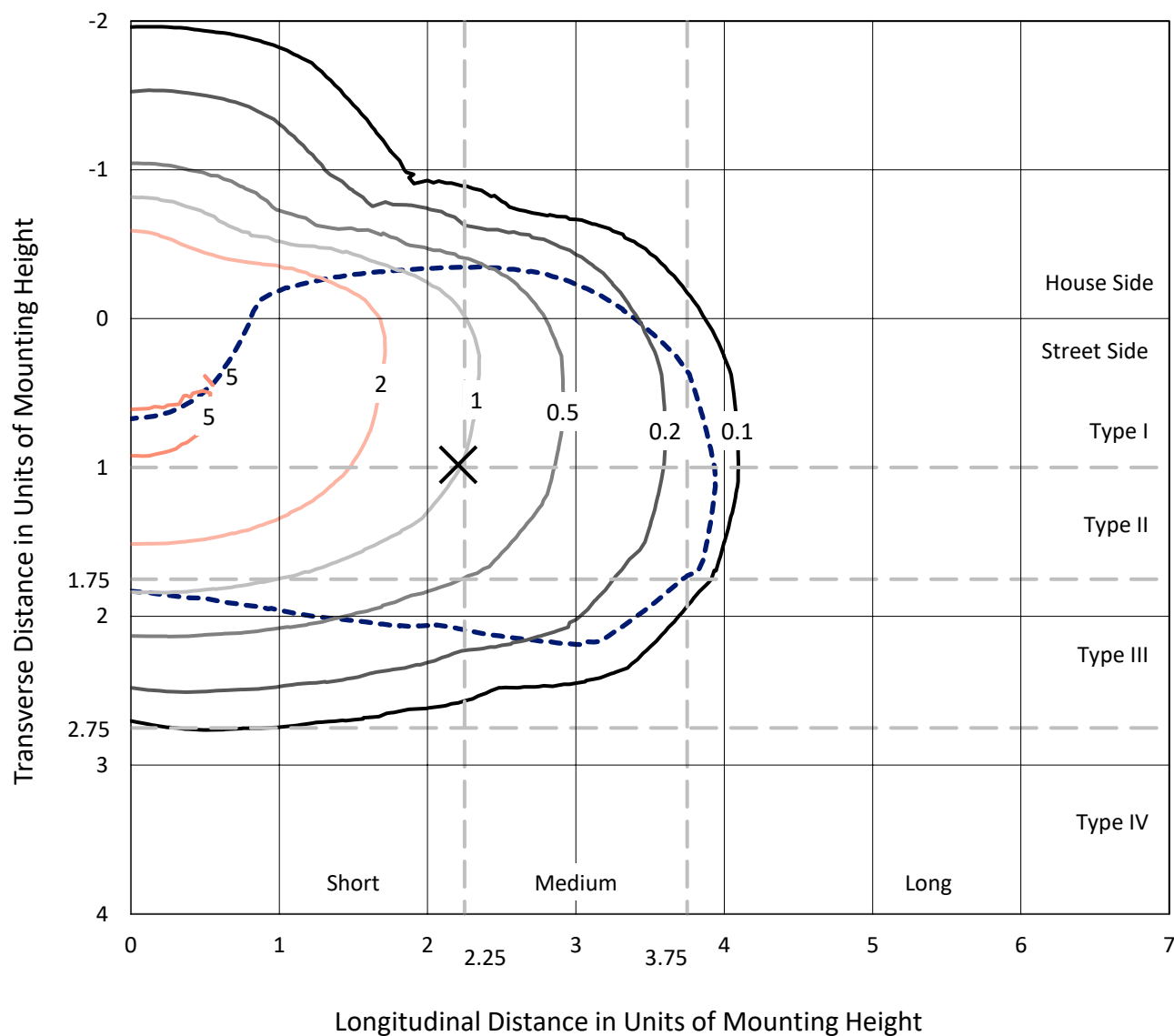
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

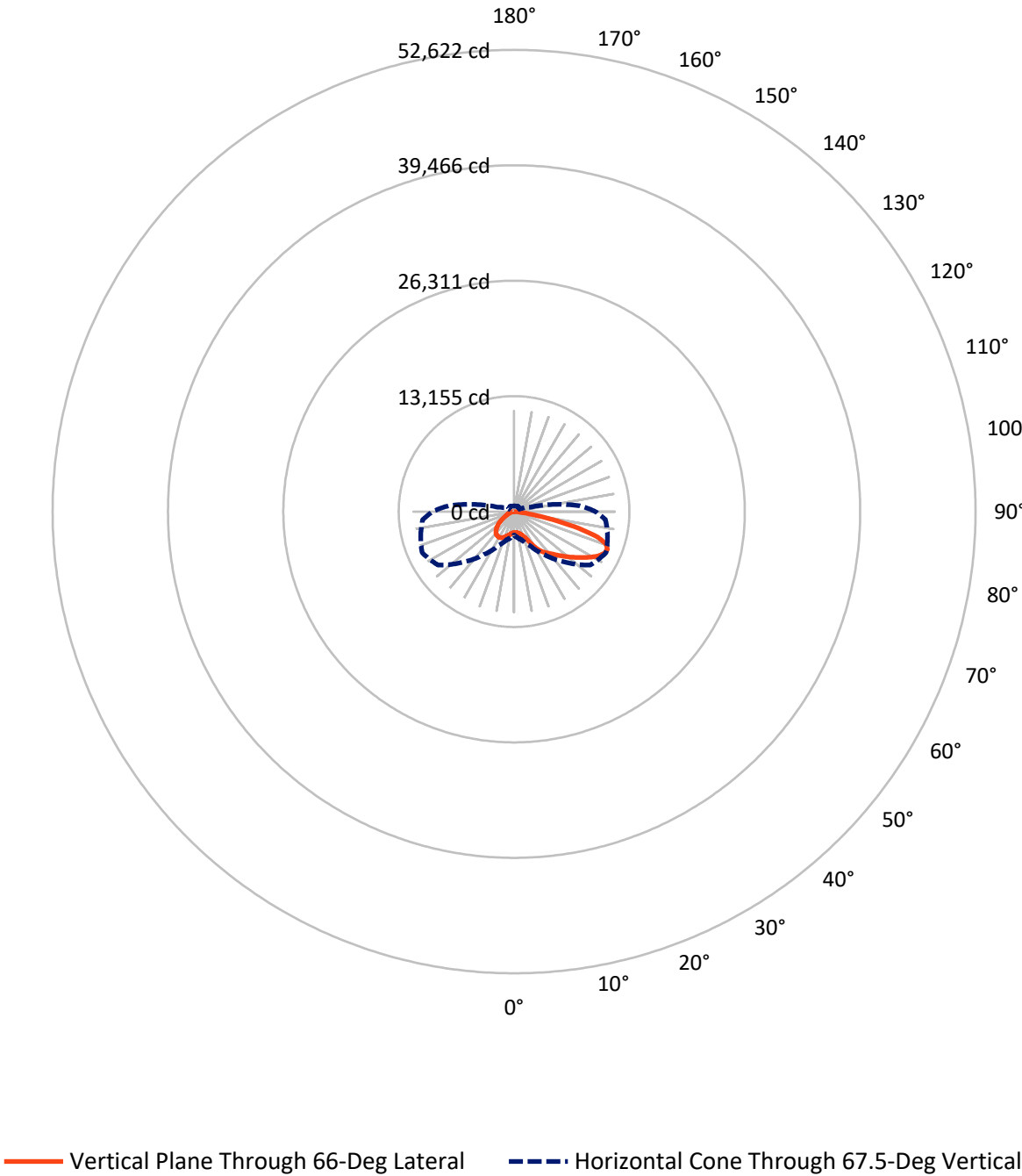


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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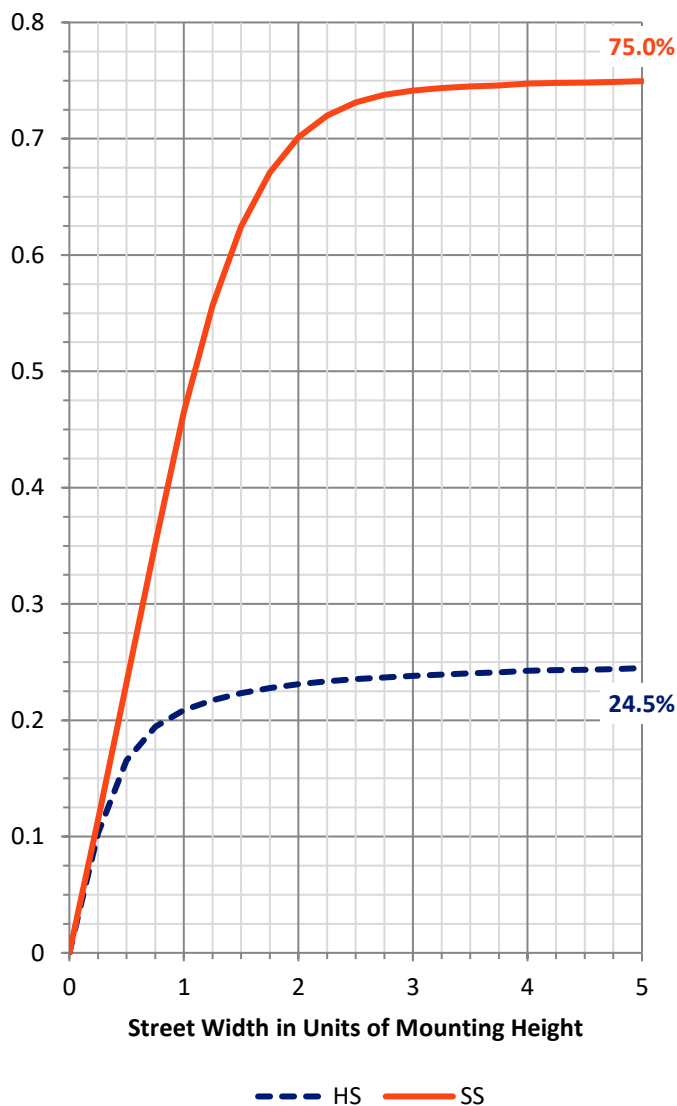
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5347.9   | 0.0    | 5347.9  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 16160.1  | 0.0    | 16160.1 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 21508.0  | 0.0    | 21508.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 236.5   | 1.1       |
| 10°-20°   | 781.4   | 3.6       |
| 20°-30°   | 1506.1  | 7.0       |
| 30°-40°   | 2640.8  | 12.3      |
| 40°-50°   | 3926.0  | 18.3      |
| 50°-60°   | 4976.6  | 23.1      |
| 60°-70°   | 4869.5  | 22.6      |
| 70°-80°   | 2322.8  | 10.8      |
| 80°-90°   | 248.3   | 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°    | 21508.0 | 100.0     |
| 0°-180°   | 21508.0 | 100.0     |

**Coefficient of Utilization**



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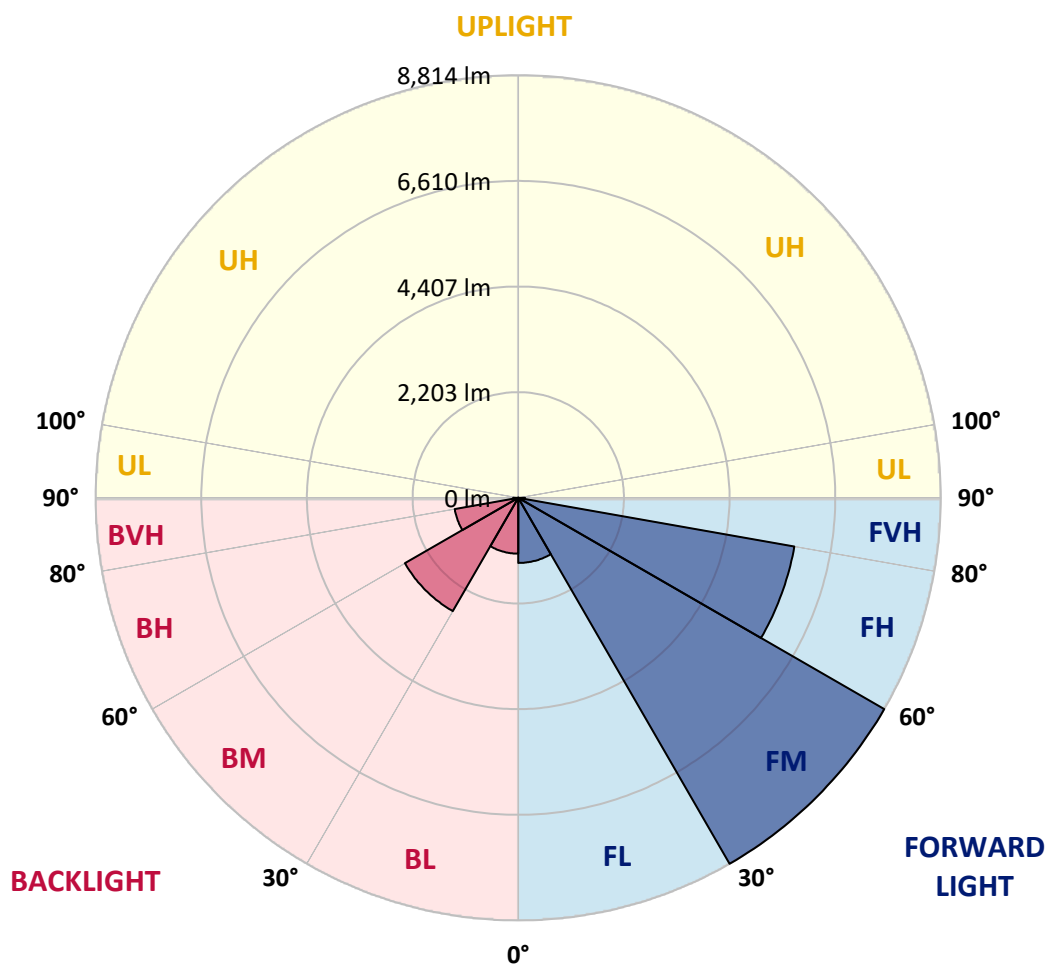
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1359.1 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 8813.8 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 5846.5 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 140.7  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1165.0 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2729.6 | 12.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1345.8 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 107.5  | 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°    | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5  | 2385.5  | 2385.5  | 2385.5  |
| 2.5°  | 2360.7 | 2374.2 | 2370.8 | 2365.2 | 2364.1 | 2366.3 | 2369.7  | 2373.1  | 2372.0  | 2377.6  |
| 5°    | 2353.9 | 2367.4 | 2366.3 | 2366.3 | 2370.8 | 2379.9 | 2385.5  | 2391.2  | 2385.5  | 2392.3  |
| 7.5°  | 2358.4 | 2368.6 | 2373.1 | 2377.6 | 2388.9 | 2405.9 | 2419.4  | 2431.9  | 2425.1  | 2433.0  |
| 10°   | 2416.0 | 2423.9 | 2428.5 | 2428.5 | 2436.4 | 2455.6 | 2469.1  | 2491.7  | 2486.1  | 2498.5  |
| 12.5° | 2521.1 | 2529.0 | 2529.0 | 2524.5 | 2530.2 | 2542.6 | 2547.1  | 2572.0  | 2561.8  | 2582.1  |
| 15°   | 2650.0 | 2665.8 | 2653.3 | 2645.4 | 2647.7 | 2660.1 | 2659.0  | 2678.2  | 2668.0  | 2685.0  |
| 17.5° | 2792.3 | 2812.7 | 2792.3 | 2791.2 | 2786.7 | 2800.2 | 2801.4  | 2818.3  | 2800.2  | 2812.7  |
| 20°   | 2960.7 | 2989.0 | 2972.0 | 2977.7 | 2967.5 | 2973.1 | 2978.8  | 3003.7  | 2975.4  | 2984.4  |
| 22.5° | 3198.0 | 3231.9 | 3213.8 | 3235.3 | 3228.5 | 3224.0 | 3222.9  | 3267.0  | 3222.9  | 3226.3  |
| 25°   | 3543.8 | 3584.5 | 3552.9 | 3582.2 | 3582.2 | 3596.9 | 3613.9  | 3670.4  | 3596.9  | 3575.5  |
| 27.5° | 4054.6 | 4095.3 | 4033.1 | 4051.2 | 4045.6 | 4081.7 | 4063.6  | 4203.8  | 4124.7  | 4089.6  |
| 30°   | 4669.3 | 4741.7 | 4624.1 | 4619.6 | 4614.0 | 4671.6 | 4697.6  | 4790.3  | 4710.0  | 4675.0  |
| 32.5° | 5333.8 | 5409.5 | 5269.4 | 5228.7 | 5207.2 | 5242.3 | 5220.8  | 5295.4  | 5240.0  | 5185.8  |
| 35°   | 6036.7 | 6111.3 | 5977.9 | 5898.8 | 5812.9 | 5739.5 | 5662.6  | 5681.9  | 5629.9  | 5547.4  |
| 37.5° | 6701.2 | 6837.9 | 6696.6 | 6611.9 | 6453.7 | 6310.2 | 6095.5  | 6006.2  | 5957.6  | 5881.9  |
| 40°   | 7378.1 | 7456.0 | 7348.7 | 7276.3 | 7104.6 | 6879.7 | 6536.2  | 6347.5  | 6281.9  | 6208.5  |
| 42.5° | 7876.4 | 7951.0 | 7893.4 | 7843.6 | 7709.2 | 7448.1 | 7004.0  | 6767.8  | 6672.9  | 6590.4  |
| 45°   | 8271.9 | 8327.3 | 8291.1 | 8309.2 | 8251.6 | 7998.4 | 7488.8  | 7218.7  | 7120.4  | 7019.8  |
| 47.5° | 8431.3 | 8490.0 | 8547.6 | 8655.0 | 8753.3 | 8566.9 | 8009.7  | 7706.9  | 7602.9  | 7500.1  |
| 50°   | 8413.2 | 8473.1 | 8640.3 | 8868.6 | 9173.7 | 9111.5 | 8558.9  | 8226.7  | 8130.7  | 8013.1  |
| 52.5° | 8268.5 | 8336.3 | 8551.0 | 8930.7 | 9416.7 | 9519.5 | 9118.3  | 8763.5  | 8673.1  | 8533.0  |
| 55°   | 7888.8 | 7929.5 | 8251.6 | 8789.5 | 9474.3 | 9804.3 | 9666.4  | 9335.3  | 9244.9  | 9049.4  |
| 57.5° | 7184.8 | 7243.6 | 7712.5 | 8408.7 | 9329.6 | 9997.5 | 10147.8 | 9936.5  | 9849.5  | 9568.1  |
| 60°   | 6266.1 | 6359.9 | 6896.7 | 7769.0 | 8961.2 | 9996.4 | 10585.1 | 10527.5 | 10455.2 | 10078.9 |
| 62.5° | 5226.5 | 5334.9 | 5851.4 | 6865.0 | 8317.1 | 9712.7 | 10858.6 | 11022.4 | 10985.2 | 10550.1 |
| 65°   | 4013.9 | 4088.5 | 4602.7 | 5695.4 | 7314.8 | 9103.6 | 10890.2 | 11360.3 | 11367.1 | 10908.3 |
| 67.5° | 2672.6 | 2887.3 | 3333.6 | 4273.8 | 5972.3 | 8108.1 | 10612.2 | 11415.7 | 11481.2 | 11031.5 |
| 70°   | 1304.1 | 1586.6 | 2023.9 | 2777.6 | 4273.8 | 6581.4 | 9885.6  | 10961.4 | 11107.2 | 10672.1 |
| 72.5° | 541.3  | 632.8  | 871.3  | 1370.7 | 2453.3 | 4441.1 | 8425.6  | 9729.7  | 9999.8  | 9456.2  |
| 75°   | 365.0  | 395.5  | 498.3  | 702.9  | 1117.6 | 2190.0 | 6076.2  | 7254.9  | 7689.9  | 7141.9  |
| 77.5° | 281.4  | 300.6  | 362.7  | 491.6  | 664.5  | 828.3  | 3252.3  | 4372.1  | 4597.0  | 4255.7  |
| 80°   | 221.5  | 236.2  | 271.2  | 358.2  | 471.2  | 443.0  | 1108.6  | 1981.0  | 2110.9  | 1770.8  |
| 82.5° | 192.1  | 197.8  | 194.4  | 243.0  | 313.0  | 258.8  | 363.9   | 731.1   | 806.9   | 585.4   |
| 85°   | 139.0  | 154.8  | 161.6  | 150.3  | 166.1  | 131.1  | 149.2   | 258.8   | 284.8   | 254.3   |
| 87.5° | 56.5   | 83.6   | 102.8  | 97.2   | 61.0   | 37.3   | 46.3    | 75.7    | 87.0    | 94.9    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2385.5  | 0°    | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 | 2385.5 |
| 2386.7  | 2.5°  | 2387.8 | 2395.7 | 2401.3 | 2408.1 | 2412.6 | 2419.4 | 2433.0 | 2440.9 | 2442.0 | 2447.7 |
| 2404.7  | 5°    | 2409.3 | 2420.6 | 2433.0 | 2451.1 | 2471.4 | 2488.4 | 2514.3 | 2532.4 | 2539.2 | 2544.9 |
| 2448.8  | 7.5°  | 2455.6 | 2471.4 | 2494.0 | 2525.6 | 2555.0 | 2577.6 | 2609.3 | 2630.7 | 2652.2 | 2660.1 |
| 2518.9  | 10°   | 2524.5 | 2547.1 | 2579.9 | 2622.8 | 2654.5 | 2683.9 | 2716.6 | 2734.7 | 2756.2 | 2765.2 |
| 2602.5  | 12.5° | 2610.4 | 2634.1 | 2677.1 | 2737.0 | 2766.3 | 2786.7 | 2798.0 | 2793.5 | 2798.0 | 2805.9 |
| 2703.1  | 15°   | 2708.7 | 2734.7 | 2783.3 | 2847.7 | 2868.0 | 2850.0 | 2825.1 | 2802.5 | 2799.1 | 2801.4 |
| 2825.1  | 17.5° | 2825.1 | 2844.3 | 2900.8 | 2955.1 | 2940.4 | 2865.8 | 2811.5 | 2775.4 | 2757.3 | 2751.7 |
| 2981.1  | 20°   | 2987.8 | 2987.8 | 3034.2 | 3068.1 | 2969.8 | 2843.2 | 2758.4 | 2699.7 | 2662.4 | 2646.6 |
| 3193.5  | 22.5° | 3185.6 | 3167.5 | 3196.9 | 3173.2 | 2964.1 | 2779.9 | 2662.4 | 2560.7 | 2504.2 | 2481.6 |
| 3490.7  | 25°   | 3436.5 | 3415.0 | 3407.1 | 3260.2 | 2923.4 | 2679.3 | 2488.4 | 2365.2 | 2315.5 | 2303.0 |
| 3919.0  | 27.5° | 3815.0 | 3760.8 | 3658.0 | 3307.6 | 2848.8 | 2521.1 | 2284.9 | 2170.8 | 2142.6 | 2143.7 |
| 4469.3  | 30°   | 4319.0 | 4210.5 | 3958.5 | 3315.5 | 2726.8 | 2297.4 | 2077.0 | 1995.7 | 1982.1 | 1987.7 |
| 4931.5  | 32.5° | 4785.7 | 4682.9 | 4265.9 | 3279.4 | 2539.2 | 2078.1 | 1890.6 | 1836.3 | 1816.0 | 1822.8 |
| 5284.1  | 35°   | 5151.9 | 5123.6 | 4550.7 | 3228.5 | 2308.7 | 1872.5 | 1723.3 | 1677.0 | 1637.4 | 1628.4 |
| 5616.3  | 37.5° | 5497.7 | 5486.4 | 4764.3 | 3157.3 | 2080.4 | 1726.7 | 1588.8 | 1527.8 | 1470.2 | 1438.5 |
| 5983.6  | 40°   | 5877.4 | 5866.1 | 4904.4 | 3047.7 | 1878.1 | 1600.1 | 1467.9 | 1387.7 | 1316.5 | 1258.9 |
| 6399.4  | 42.5° | 6304.5 | 6237.8 | 4971.1 | 2890.7 | 1706.4 | 1492.8 | 1369.6 | 1261.1 | 1167.3 | 1114.2 |
| 6869.5  | 45°   | 6771.2 | 6620.9 | 4969.9 | 2690.6 | 1561.7 | 1394.5 | 1264.5 | 1110.8 | 1023.8 | 974.1  |
| 7352.1  | 47.5° | 7266.2 | 6987.1 | 4908.9 | 2469.1 | 1421.6 | 1286.0 | 1101.8 | 984.3  | 926.6  | 896.1  |
| 7876.4  | 50°   | 7777.0 | 7329.5 | 4804.9 | 2214.9 | 1278.1 | 1162.8 | 1000.1 | 919.9  | 875.8  | 847.5  |
| 8396.2  | 52.5° | 8257.2 | 7640.2 | 4679.5 | 1926.7 | 1132.3 | 1043.0 | 954.9  | 892.7  | 846.4  | 814.8  |
| 8900.2  | 55°   | 8703.6 | 7908.0 | 4502.1 | 1631.8 | 1013.6 | 962.8  | 933.4  | 881.4  | 828.3  | 791.0  |
| 9412.1  | 57.5° | 9100.2 | 8082.1 | 4195.9 | 1354.9 | 928.9  | 907.4  | 910.8  | 862.2  | 801.2  | 769.6  |
| 9916.1  | 60°   | 9430.2 | 8209.8 | 3742.7 | 1098.4 | 860.0  | 853.2  | 875.8  | 826.1  | 754.9  | 718.7  |
| 10342.2 | 62.5° | 9628.0 | 8207.5 | 3186.7 | 899.5  | 801.2  | 803.5  | 829.5  | 780.9  | 708.5  | 674.6  |
| 10564.8 | 65°   | 9611.0 | 8006.4 | 2576.5 | 769.6  | 744.7  | 747.0  | 780.9  | 731.1  | 670.1  | 649.8  |
| 10452.9 | 67.5° | 9270.9 | 7515.9 | 1976.4 | 684.8  | 682.5  | 692.7  | 732.3  | 697.2  | 646.4  | 644.1  |
| 9786.2  | 70°   | 8349.9 | 6497.7 | 1423.9 | 617.0  | 618.1  | 632.8  | 684.8  | 675.8  | 634.0  | 638.5  |
| 8227.8  | 72.5° | 6695.5 | 4954.1 | 956.0  | 545.8  | 546.9  | 570.7  | 639.6  | 658.8  | 621.5  | 681.4  |
| 5837.8  | 75°   | 4459.2 | 3089.5 | 614.7  | 470.1  | 471.2  | 501.7  | 600.1  | 626.0  | 587.6  | 679.2  |
| 3037.6  | 77.5° | 2142.6 | 1388.8 | 445.2  | 395.5  | 395.5  | 423.8  | 518.7  | 560.5  | 500.6  | 527.7  |
| 976.4   | 80°   | 740.2  | 522.1  | 350.3  | 318.7  | 311.9  | 331.1  | 437.3  | 485.9  | 431.7  | 397.8  |
| 318.7   | 82.5° | 291.6  | 271.2  | 281.4  | 247.5  | 224.9  | 237.3  | 340.1  | 401.2  | 317.5  | 287.0  |
| 179.7   | 85°   | 167.2  | 176.3  | 198.9  | 163.9  | 130.0  | 145.8  | 249.7  | 288.2  | 239.6  | 211.3  |
| 58.8    | 87.5° | 45.2   | 62.2   | 91.5   | 84.8   | 58.8   | 62.2   | 118.7  | 159.3  | 137.9  | 106.2  |
| 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°   |
|--------|
| 2385.5 |
| 2446.5 |
| 2543.7 |
| 2661.3 |
| 2769.7 |
| 2808.2 |
| 2809.3 |
| 2759.6 |
| 2643.2 |
| 2478.2 |
| 2305.3 |
| 2147.1 |
| 2007.0 |
| 1831.8 |
| 1635.2 |
| 1439.7 |
| 1264.5 |
| 1117.6 |
| 971.8  |
| 889.3  |
| 837.4  |
| 801.2  |
| 776.3  |
| 749.2  |
| 702.9  |
| 664.5  |
| 648.6  |
| 647.5  |
| 637.3  |
| 690.5  |
| 684.8  |
| 483.7  |
| 372.9  |
| 285.9  |
| 215.8  |
| 109.6  |
| 0.0    |