

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: P941237

Luminaire Tested: **GLAN-SB4C-935-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941237  
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-SB4C-935-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20894 lumens  
Efficiency: N/A  
Efficacy: 104.1 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): 200.7  
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

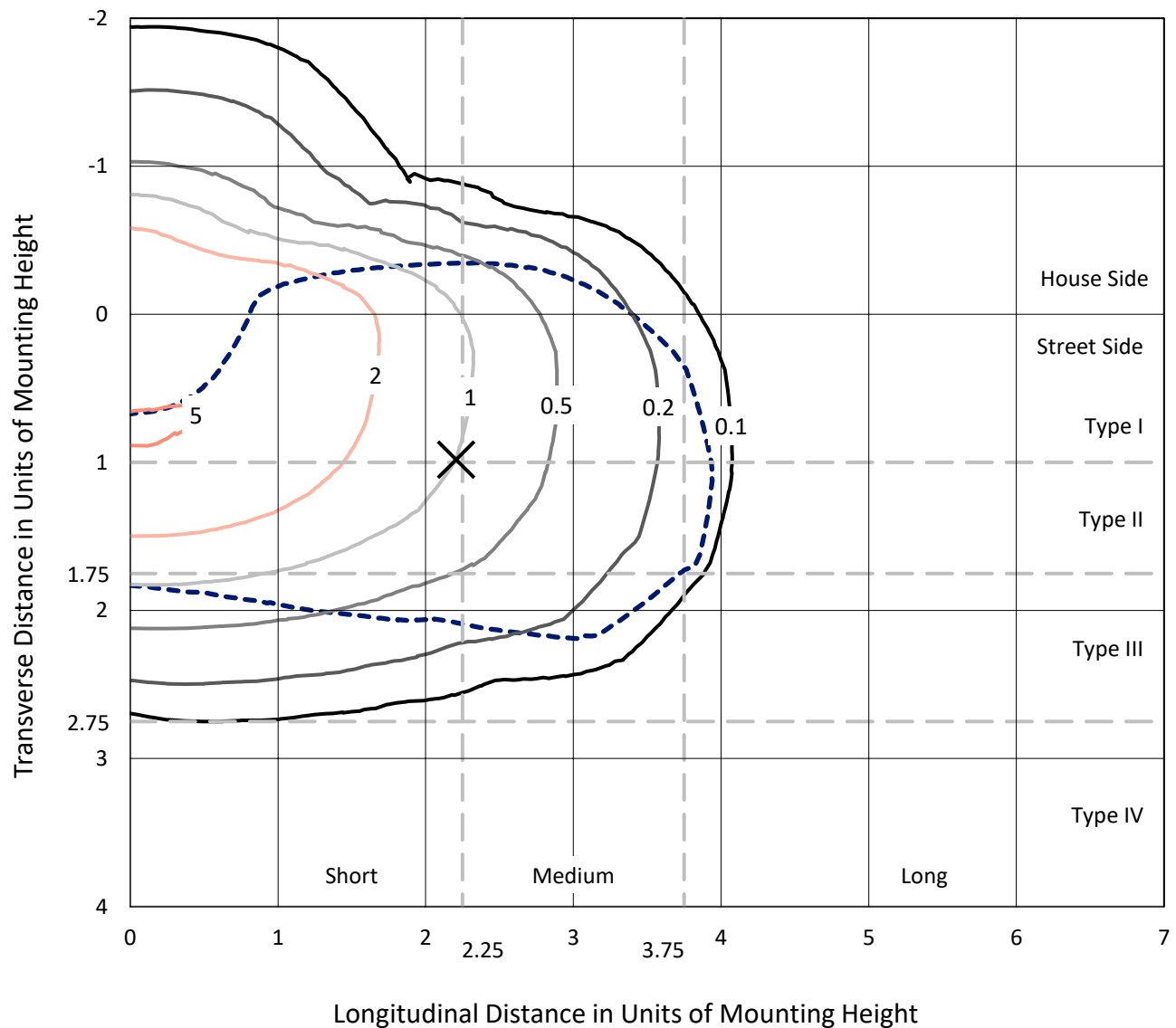


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## Iso-Footcandle Lines of Horizontal Illumination

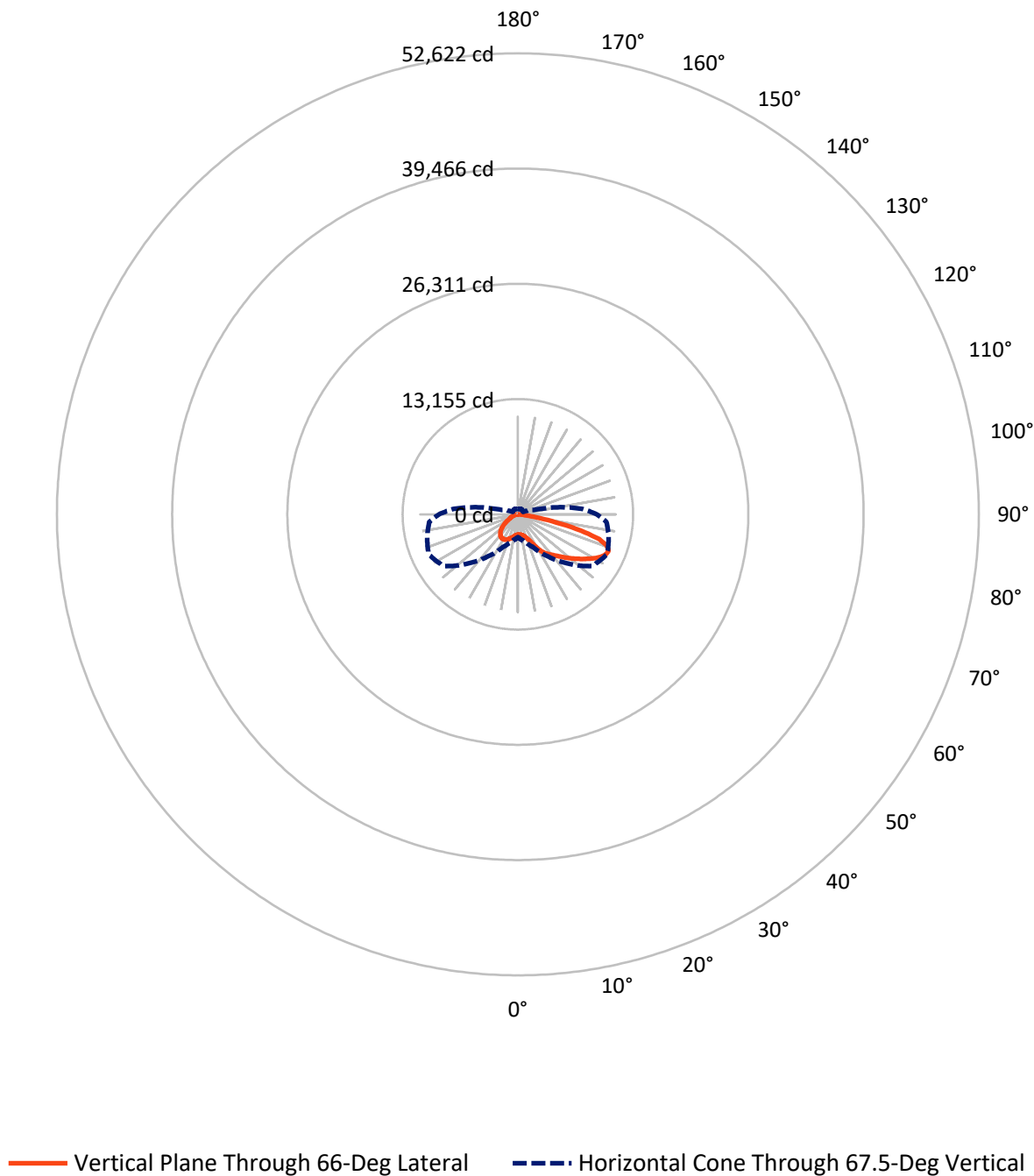
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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    | 5195.2   | 0.0    | 5195.2  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 15698.8  | 0.0    | 15698.8 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 20894.0  | 0.0    | 20894.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 229.8   | 1.1       |
| 10°-20°   | 759.1   | 3.6       |
| 20°-30°   | 1463.1  | 7.0       |
| 30°-40°   | 2565.4  | 12.3      |
| 40°-50°   | 3813.9  | 18.3      |
| 50°-60°   | 4834.5  | 23.1      |
| 60°-70°   | 4730.5  | 22.6      |
| 70°-80°   | 2256.5  | 10.8      |
| 80°-90°   | 241.2   | 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°    | 20894.0 | 100.0     |
| 0°-180°   | 20894.0 | 100.0     |

**Coefficient of Utilization**



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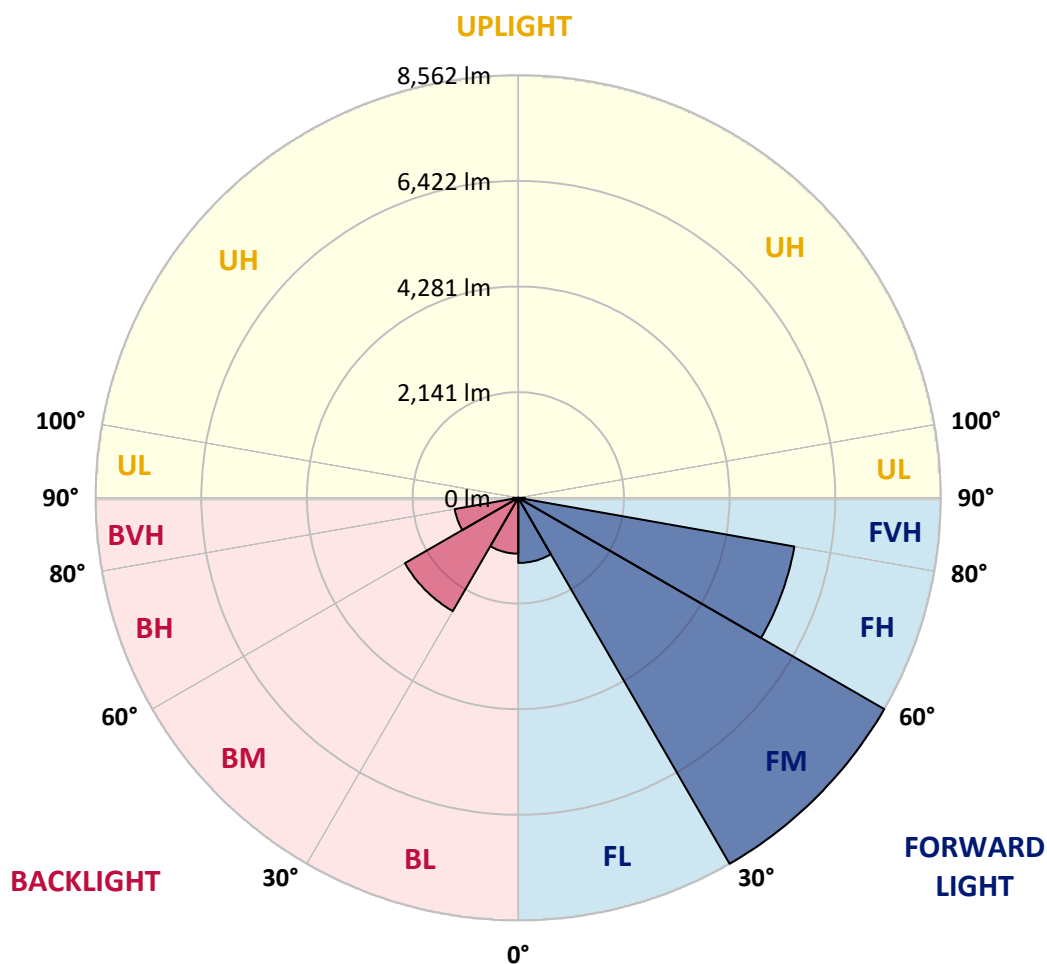
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1320.3 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 8562.2 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 5679.6 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 136.7  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1131.7 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2651.7 | 12.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1307.4 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 104.4  | 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°    | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4  | 2317.4  | 2317.4  | 2317.4  |
| 2.5°  | 2293.3 | 2306.4 | 2303.1 | 2297.7 | 2296.6 | 2298.8 | 2302.1  | 2305.3  | 2304.2  | 2309.7  |
| 5°    | 2286.7 | 2299.9 | 2298.8 | 2298.8 | 2303.1 | 2311.9 | 2317.4  | 2322.9  | 2317.4  | 2324.0  |
| 7.5°  | 2291.1 | 2301.0 | 2305.3 | 2309.7 | 2320.7 | 2337.2 | 2350.4  | 2362.4  | 2355.8  | 2363.5  |
| 10°   | 2347.1 | 2354.7 | 2359.1 | 2359.1 | 2366.8 | 2385.5 | 2398.7  | 2420.6  | 2415.1  | 2427.2  |
| 12.5° | 2449.2 | 2456.8 | 2456.8 | 2452.4 | 2457.9 | 2470.0 | 2474.4  | 2498.6  | 2488.7  | 2508.4  |
| 15°   | 2574.3 | 2589.7 | 2577.6 | 2569.9 | 2572.1 | 2584.2 | 2583.1  | 2601.7  | 2591.9  | 2608.3  |
| 17.5° | 2712.6 | 2732.4 | 2712.6 | 2711.5 | 2707.1 | 2720.3 | 2721.4  | 2737.9  | 2720.3  | 2732.4  |
| 20°   | 2876.2 | 2903.6 | 2887.2 | 2892.7 | 2882.8 | 2888.3 | 2893.8  | 2917.9  | 2890.5  | 2899.2  |
| 22.5° | 3106.7 | 3139.7 | 3122.1 | 3143.0 | 3136.4 | 3132.0 | 3130.9  | 3173.7  | 3130.9  | 3134.2  |
| 25°   | 3442.6 | 3482.2 | 3451.4 | 3480.0 | 3480.0 | 3494.2 | 3510.7  | 3565.6  | 3494.2  | 3473.4  |
| 27.5° | 3938.8 | 3978.4 | 3918.0 | 3935.6 | 3930.1 | 3965.2 | 3947.6  | 4083.8  | 4006.9  | 3972.9  |
| 30°   | 4536.0 | 4606.3 | 4492.1 | 4487.7 | 4482.2 | 4538.2 | 4563.5  | 4653.5  | 4575.6  | 4541.5  |
| 32.5° | 5181.5 | 5255.1 | 5119.0 | 5079.4 | 5058.6 | 5092.6 | 5071.8  | 5144.2  | 5090.4  | 5037.7  |
| 35°   | 5864.4 | 5936.8 | 5807.3 | 5730.4 | 5647.0 | 5575.6 | 5501.0  | 5519.7  | 5469.2  | 5389.0  |
| 37.5° | 6509.9 | 6642.7 | 6505.5 | 6423.1 | 6269.4 | 6130.0 | 5921.4  | 5834.7  | 5787.5  | 5714.0  |
| 40°   | 7167.4 | 7243.2 | 7138.9 | 7068.6 | 6901.8 | 6683.3 | 6349.6  | 6166.2  | 6102.6  | 6031.2  |
| 42.5° | 7651.6 | 7724.0 | 7668.0 | 7619.7 | 7489.1 | 7235.5 | 6804.1  | 6574.6  | 6482.4  | 6402.3  |
| 45°   | 8035.8 | 8089.6 | 8054.4 | 8072.0 | 8016.0 | 7770.1 | 7275.0  | 7012.6  | 6917.1  | 6819.4  |
| 47.5° | 8190.6 | 8247.6 | 8303.6 | 8407.9 | 8503.4 | 8322.3 | 7781.1  | 7486.9  | 7385.9  | 7286.0  |
| 50°   | 8173.0 | 8231.2 | 8393.7 | 8615.4 | 8911.8 | 8851.4 | 8314.6  | 7991.9  | 7898.6  | 7784.4  |
| 52.5° | 8032.5 | 8098.3 | 8306.9 | 8675.8 | 9147.8 | 9247.7 | 8858.0  | 8513.3  | 8425.5  | 8289.4  |
| 55°   | 7663.6 | 7703.1 | 8016.0 | 8538.6 | 9203.8 | 9524.4 | 9390.4  | 9068.8  | 8981.0  | 8791.0  |
| 57.5° | 6979.7 | 7036.8 | 7492.4 | 8168.6 | 9063.3 | 9712.1 | 9858.1  | 9652.8  | 9568.3  | 9294.9  |
| 60°   | 6087.2 | 6178.3 | 6699.8 | 7547.3 | 8705.4 | 9711.0 | 10282.9 | 10227.0 | 10156.7 | 9791.1  |
| 62.5° | 5077.2 | 5182.6 | 5684.3 | 6669.0 | 8079.7 | 9435.4 | 10548.6 | 10707.8 | 10671.6 | 10248.9 |
| 65°   | 3899.3 | 3971.8 | 4471.3 | 5532.8 | 7106.0 | 8843.7 | 10579.3 | 11036.0 | 11042.6 | 10596.9 |
| 67.5° | 2596.3 | 2804.8 | 3238.5 | 4151.8 | 5801.8 | 7876.6 | 10309.3 | 11089.8 | 11153.5 | 10716.6 |
| 70°   | 1266.8 | 1541.3 | 1966.1 | 2698.4 | 4151.8 | 6393.5 | 9603.4  | 10648.5 | 10790.1 | 10367.5 |
| 72.5° | 525.8  | 614.8  | 846.4  | 1331.6 | 2383.3 | 4314.3 | 8185.1  | 9451.9  | 9714.3  | 9186.3  |
| 75°   | 354.6  | 384.2  | 484.1  | 682.8  | 1085.7 | 2127.5 | 5902.8  | 7047.8  | 7470.4  | 6938.0  |
| 77.5° | 273.3  | 292.0  | 352.4  | 477.5  | 645.5  | 804.7  | 3159.4  | 4247.3  | 4465.8  | 4134.3  |
| 80°   | 215.2  | 229.4  | 263.5  | 348.0  | 457.8  | 430.3  | 1076.9  | 1924.4  | 2050.7  | 1720.2  |
| 82.5° | 186.6  | 192.1  | 188.8  | 236.0  | 304.1  | 251.4  | 353.5   | 710.3   | 783.8   | 568.7   |
| 85°   | 135.0  | 150.4  | 157.0  | 146.0  | 161.4  | 127.3  | 144.9   | 251.4   | 276.6   | 247.0   |
| 87.5° | 54.9   | 81.2   | 99.9   | 94.4   | 59.3   | 36.2   | 45.0    | 73.6    | 84.5    | 92.2    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2317.4  | 0°    | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 | 2317.4 |
| 2318.5  | 2.5°  | 2319.6 | 2327.3 | 2332.8 | 2339.4 | 2343.8 | 2350.4 | 2363.5 | 2371.2 | 2372.3 | 2377.8 |
| 2336.1  | 5°    | 2340.5 | 2351.5 | 2363.5 | 2381.1 | 2400.9 | 2417.3 | 2442.6 | 2460.1 | 2466.7 | 2472.2 |
| 2378.9  | 7.5°  | 2385.5 | 2400.9 | 2422.8 | 2453.5 | 2482.1 | 2504.0 | 2534.8 | 2555.6 | 2576.5 | 2584.2 |
| 2447.0  | 10°   | 2452.4 | 2474.4 | 2506.2 | 2548.0 | 2578.7 | 2607.2 | 2639.1 | 2656.6 | 2677.5 | 2686.3 |
| 2528.2  | 12.5° | 2535.9 | 2558.9 | 2600.6 | 2658.8 | 2687.4 | 2707.1 | 2718.1 | 2713.7 | 2718.1 | 2725.8 |
| 2625.9  | 15°   | 2631.4 | 2656.6 | 2703.8 | 2766.4 | 2786.2 | 2768.6 | 2744.5 | 2722.5 | 2719.2 | 2721.4 |
| 2744.5  | 17.5° | 2744.5 | 2763.1 | 2818.0 | 2870.7 | 2856.4 | 2784.0 | 2731.3 | 2696.2 | 2678.6 | 2673.1 |
| 2896.0  | 20°   | 2902.5 | 2902.5 | 2947.5 | 2980.5 | 2885.0 | 2762.0 | 2679.7 | 2622.6 | 2586.4 | 2571.0 |
| 3102.3  | 22.5° | 3094.7 | 3077.1 | 3105.6 | 3082.6 | 2879.5 | 2700.5 | 2586.4 | 2487.6 | 2432.7 | 2410.7 |
| 3391.1  | 25°   | 3338.4 | 3317.5 | 3309.8 | 3167.1 | 2840.0 | 2602.8 | 2417.3 | 2297.7 | 2249.4 | 2237.3 |
| 3807.1  | 27.5° | 3706.1 | 3653.4 | 3553.5 | 3213.2 | 2767.5 | 2449.2 | 2219.7 | 2108.8 | 2081.4 | 2082.5 |
| 4341.7  | 30°   | 4195.7 | 4090.3 | 3845.5 | 3220.9 | 2649.0 | 2231.8 | 2017.7 | 1938.7 | 1925.5 | 1931.0 |
| 4790.7  | 32.5° | 4649.1 | 4549.2 | 4144.1 | 3185.8 | 2466.7 | 2018.8 | 1836.6 | 1783.9 | 1764.1 | 1770.7 |
| 5133.2  | 35°   | 5004.8 | 4977.3 | 4420.8 | 3136.4 | 2242.8 | 1819.0 | 1674.1 | 1629.1 | 1590.7 | 1581.9 |
| 5456.0  | 37.5° | 5340.7 | 5329.7 | 4628.3 | 3067.2 | 2021.0 | 1677.4 | 1543.5 | 1484.2 | 1428.2 | 1397.5 |
| 5812.8  | 40°   | 5709.6 | 5698.6 | 4764.4 | 2960.7 | 1824.5 | 1554.5 | 1426.0 | 1348.1 | 1278.9 | 1222.9 |
| 6216.7  | 42.5° | 6124.5 | 6059.8 | 4829.1 | 2808.1 | 1657.7 | 1450.2 | 1330.5 | 1225.1 | 1134.0 | 1082.4 |
| 6673.4  | 45°   | 6577.9 | 6431.9 | 4828.1 | 2613.8 | 1517.1 | 1354.7 | 1228.4 | 1079.1 | 994.6  | 946.3  |
| 7142.2  | 47.5° | 7058.7 | 6787.6 | 4768.8 | 2398.7 | 1381.0 | 1249.3 | 1070.3 | 956.2  | 900.2  | 870.5  |
| 7651.6  | 50°   | 7554.9 | 7120.2 | 4667.8 | 2151.7 | 1241.6 | 1129.6 | 971.5  | 893.6  | 850.8  | 823.3  |
| 8156.5  | 52.5° | 8021.5 | 7422.1 | 4545.9 | 1871.7 | 1100.0 | 1013.3 | 927.6  | 867.2  | 822.2  | 791.5  |
| 8646.1  | 55°   | 8455.1 | 7682.3 | 4373.6 | 1585.2 | 984.7  | 935.3  | 906.8  | 856.3  | 804.7  | 768.4  |
| 9143.4  | 57.5° | 8840.4 | 7851.3 | 4076.1 | 1316.2 | 902.4  | 881.5  | 884.8  | 837.6  | 778.3  | 747.6  |
| 9633.0  | 60°   | 9161.0 | 7975.4 | 3635.9 | 1067.0 | 835.4  | 828.8  | 850.8  | 802.5  | 733.3  | 698.2  |
| 10046.9 | 62.5° | 9353.1 | 7973.2 | 3095.7 | 873.8  | 778.3  | 780.5  | 805.8  | 758.6  | 688.3  | 655.4  |
| 10263.2 | 65°   | 9336.6 | 7777.8 | 2502.9 | 747.6  | 723.4  | 725.6  | 758.6  | 710.3  | 651.0  | 631.2  |
| 10154.5 | 67.5° | 9006.2 | 7301.4 | 1920.0 | 665.3  | 663.1  | 672.9  | 711.4  | 677.3  | 627.9  | 625.7  |
| 9506.8  | 70°   | 8111.5 | 6312.3 | 1383.2 | 599.4  | 600.5  | 614.8  | 665.3  | 656.5  | 615.9  | 620.2  |
| 7993.0  | 72.5° | 6504.4 | 4812.7 | 928.7  | 530.2  | 531.3  | 554.4  | 621.3  | 640.0  | 603.8  | 662.0  |
| 5671.1  | 75°   | 4331.9 | 3001.3 | 597.2  | 456.7  | 457.8  | 487.4  | 582.9  | 608.2  | 570.8  | 659.8  |
| 2950.8  | 77.5° | 2081.4 | 1349.2 | 432.5  | 384.2  | 384.2  | 411.7  | 503.9  | 544.5  | 486.3  | 512.7  |
| 948.5   | 80°   | 719.0  | 507.2  | 340.3  | 309.6  | 303.0  | 321.7  | 424.8  | 472.0  | 419.4  | 386.4  |
| 309.6   | 82.5° | 283.2  | 263.5  | 273.3  | 240.4  | 218.5  | 230.5  | 330.4  | 389.7  | 308.5  | 278.8  |
| 174.5   | 85°   | 162.5  | 171.3  | 193.2  | 159.2  | 126.2  | 141.6  | 242.6  | 279.9  | 232.7  | 205.3  |
| 57.1    | 87.5° | 43.9   | 60.4   | 88.9   | 82.3   | 57.1   | 60.4   | 115.3  | 154.8  | 133.9  | 103.2  |
| 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°   |
|--------|
| 2317.4 |
| 2376.7 |
| 2471.1 |
| 2585.3 |
| 2690.7 |
| 2728.0 |
| 2729.1 |
| 2680.8 |
| 2567.7 |
| 2407.4 |
| 2239.5 |
| 2085.8 |
| 1949.7 |
| 1779.5 |
| 1588.5 |
| 1398.6 |
| 1228.4 |
| 1085.7 |
| 944.1  |
| 864.0  |
| 813.5  |
| 778.3  |
| 754.2  |
| 727.8  |
| 682.8  |
| 645.5  |
| 630.1  |
| 629.0  |
| 619.1  |
| 670.7  |
| 665.3  |
| 469.9  |
| 362.3  |
| 277.7  |
| 209.7  |
| 106.5  |
| 0.0    |