

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: P949575

Luminaire Tested: **GLAN-SB4B-740-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949575  
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-SB4B-740-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23830 lumens  
Efficiency: N/A  
Efficacy: 162.1 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): 147  
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



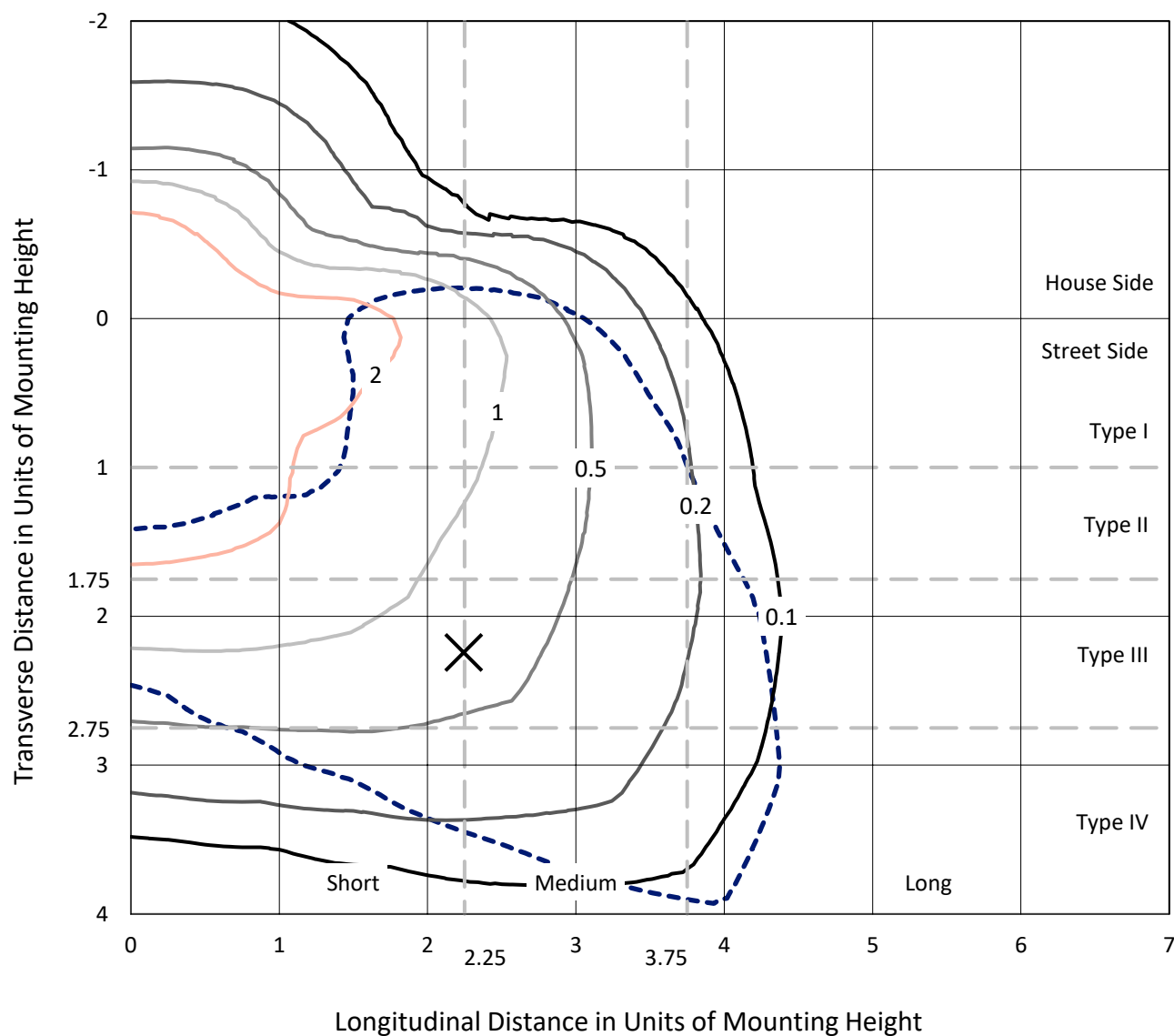
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

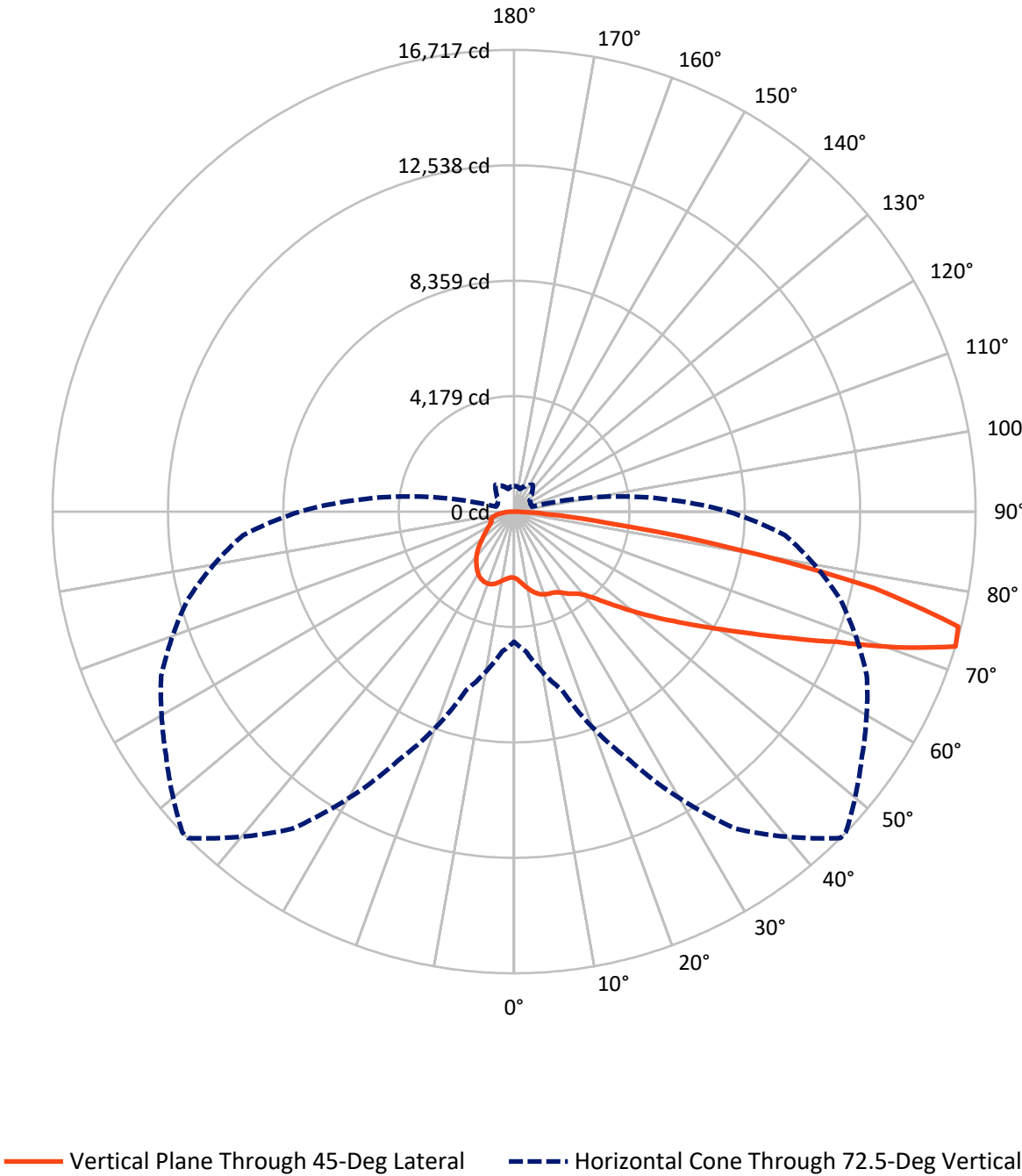


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

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    | 5387.2   | 0.0    | 5387.2  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 18442.9  | 0.0    | 18442.9 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 23830.0  | 0.0    | 23830.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 244.7   | 1.0       |
| 10°-20°   | 815.8   | 3.4       |
| 20°-30°   | 1419.1  | 6.0       |
| 30°-40°   | 2034.4  | 8.5       |
| 40°-50°   | 2864.5  | 12.0      |
| 50°-60°   | 4387.6  | 18.4      |
| 60°-70°   | 6356.1  | 26.7      |
| 70°-80°   | 5075.7  | 21.3      |
| 80°-90°   | 632.2   | 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°    | 23830.0 | 100.0     |
| 0°-180°   | 23830.0 | 100.0     |

**Coefficient of Utilization**



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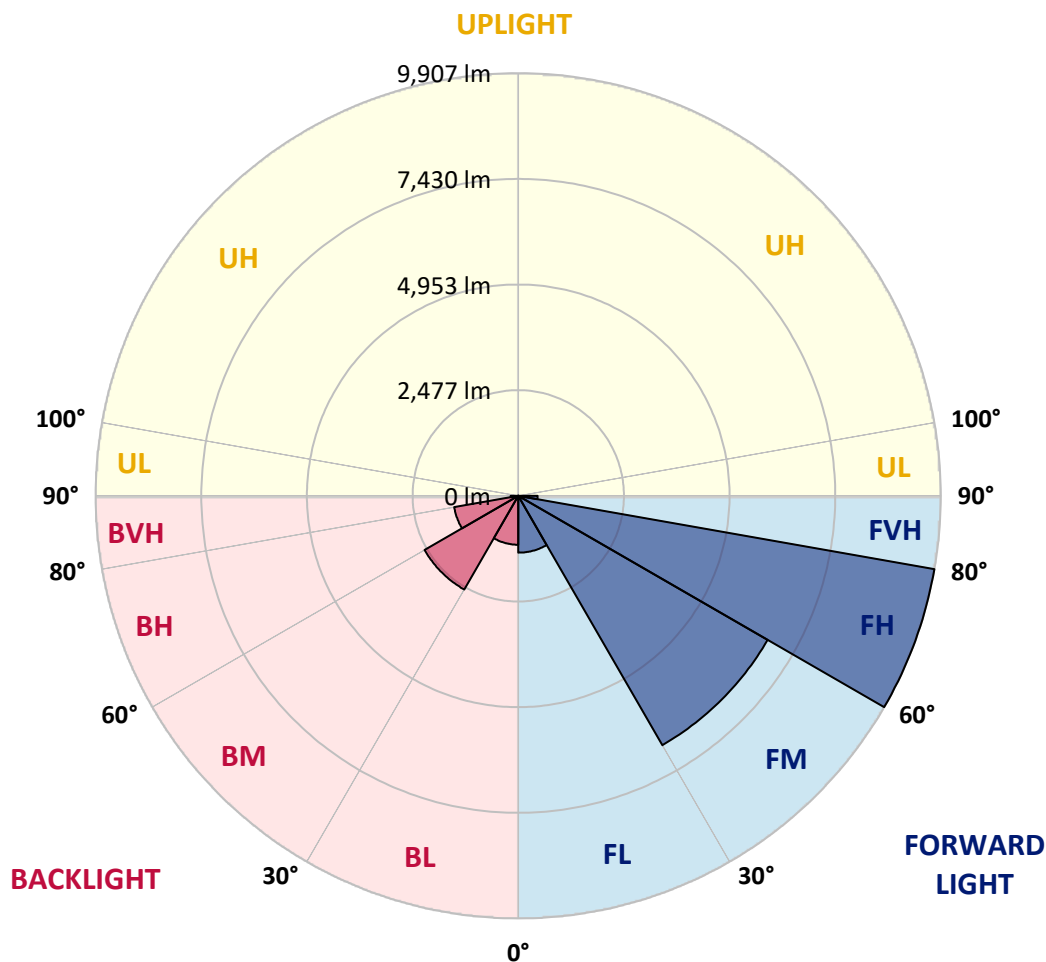
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1332.6 | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 6749.9 | 28.3      |                         |      |          |
| FH   | (60°-80°)   | 9906.8 | 41.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 453.5  | 1.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1147.0 | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2536.6 | 10.6      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1525.0 | 6.4       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 178.6  | 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°    | 2404.0 | 2404.0 | 2404.0 | 2404.0  | 2404.0  | 2404.0  | 2404.0  | 2404.0  | 2404.0  | 2404.0  |
| 2.5°  | 2498.1 | 2514.5 | 2499.4 | 2485.6  | 2479.3  | 2463.0  | 2461.7  | 2451.7  | 2445.4  | 2427.8  |
| 5°    | 2672.6 | 2694.0 | 2668.9 | 2641.2  | 2616.1  | 2576.0  | 2570.9  | 2542.1  | 2509.4  | 2471.8  |
| 7.5°  | 2869.7 | 2888.5 | 2859.7 | 2818.2  | 2774.3  | 2707.8  | 2706.5  | 2653.8  | 2602.3  | 2538.3  |
| 10°   | 3041.7 | 3066.8 | 3027.9 | 2971.4  | 2916.2  | 2840.8  | 2832.1  | 2771.8  | 2706.5  | 2623.7  |
| 12.5° | 3193.6 | 3211.2 | 3173.5 | 3104.5  | 3040.4  | 2965.1  | 2953.8  | 2887.3  | 2814.5  | 2720.3  |
| 15°   | 3314.1 | 3336.7 | 3286.5 | 3212.4  | 3144.6  | 3070.6  | 3060.5  | 3000.3  | 2927.5  | 2828.3  |
| 17.5° | 3393.2 | 3412.0 | 3360.6 | 3277.7  | 3212.4  | 3150.9  | 3143.4  | 3093.2  | 3029.1  | 2928.7  |
| 20°   | 3423.3 | 3443.4 | 3389.4 | 3305.3  | 3245.1  | 3197.4  | 3193.6  | 3157.2  | 3113.3  | 3021.6  |
| 22.5° | 3453.5 | 3472.3 | 3402.0 | 3314.1  | 3261.4  | 3231.3  | 3230.0  | 3206.1  | 3188.6  | 3113.3  |
| 25°   | 3575.2 | 3580.2 | 3486.1 | 3359.3  | 3284.0  | 3257.6  | 3256.4  | 3255.1  | 3262.6  | 3203.6  |
| 27.5° | 3680.7 | 3679.4 | 3599.1 | 3479.8  | 3363.1  | 3307.8  | 3306.6  | 3319.1  | 3343.0  | 3294.0  |
| 30°   | 3835.1 | 3821.3 | 3725.9 | 3601.6  | 3494.9  | 3409.5  | 3402.0  | 3390.7  | 3409.5  | 3370.6  |
| 32.5° | 4162.7 | 4118.8 | 3964.4 | 3743.4  | 3604.1  | 3538.8  | 3528.8  | 3458.5  | 3466.0  | 3442.2  |
| 35°   | 4632.2 | 4574.5 | 4368.6 | 4012.1  | 3739.7  | 3646.8  | 3641.8  | 3552.6  | 3537.6  | 3516.2  |
| 37.5° | 5190.8 | 5119.3 | 4879.5 | 4401.2  | 3973.2  | 3772.3  | 3764.8  | 3684.4  | 3622.9  | 3600.3  |
| 40°   | 5752.0 | 5661.6 | 5463.3 | 4875.8  | 4317.1  | 3982.0  | 3958.1  | 3836.3  | 3766.0  | 3728.4  |
| 42.5° | 6296.8 | 6221.5 | 6052.0 | 5408.0  | 4741.4  | 4288.3  | 4235.5  | 4027.1  | 3974.4  | 3939.3  |
| 45°   | 6778.9 | 6711.1 | 6586.8 | 5976.7  | 5238.5  | 4705.0  | 4653.6  | 4313.4  | 4297.0  | 4297.0  |
| 47.5° | 7170.5 | 7155.5 | 7023.6 | 6556.7  | 5824.8  | 5179.5  | 5090.4  | 4711.3  | 4755.2  | 4823.0  |
| 50°   | 7604.9 | 7563.4 | 7422.8 | 7127.8  | 6514.0  | 5723.1  | 5650.3  | 5199.6  | 5364.1  | 5549.9  |
| 52.5° | 8004.1 | 8026.7 | 7869.7 | 7722.9  | 7292.3  | 6329.4  | 6201.4  | 5775.8  | 6131.1  | 6438.7  |
| 55°   | 8414.6 | 8415.8 | 8371.9 | 8351.8  | 8108.3  | 6999.8  | 6859.2  | 6468.8  | 7033.7  | 7415.3  |
| 57.5° | 8800.0 | 8802.5 | 8867.7 | 9044.8  | 9054.8  | 7773.1  | 7613.7  | 7319.9  | 8036.7  | 8425.9  |
| 60°   | 9143.9 | 9161.5 | 9339.8 | 9754.0  | 9887.1  | 8659.4  | 8508.7  | 8325.4  | 9073.6  | 9465.3  |
| 62.5° | 9259.4 | 9323.4 | 9720.1 | 10308.9 | 10709.3 | 9746.5  | 9598.4  | 9489.1  | 10163.3 | 10527.3 |
| 65°   | 9063.6 | 9210.5 | 9977.5 | 10767.1 | 11555.4 | 11038.2 | 10891.4 | 10772.1 | 11295.6 | 11638.3 |
| 67.5° | 8582.8 | 8772.3 | 9962.4 | 11247.9 | 12582.3 | 12592.4 | 12455.5 | 12175.6 | 12509.5 | 12641.3 |
| 70°   | 7316.1 | 7599.9 | 9084.9 | 11427.4 | 13761.1 | 14717.6 | 14585.8 | 13865.3 | 13720.9 | 13083.2 |
| 72.5° | 4713.8 | 5095.4 | 6689.7 | 9949.9  | 14023.4 | 16717.4 | 16709.9 | 15390.5 | 14103.8 | 12224.5 |
| 75°   | 1719.8 | 1953.3 | 3108.2 | 6245.3  | 11771.4 | 16615.7 | 16664.7 | 15129.4 | 12874.8 | 9442.7  |
| 77.5° | 626.4  | 685.4  | 1014.3 | 2400.2  | 7239.6  | 13331.8 | 13433.4 | 12095.2 | 9164.0  | 4738.9  |
| 80°   | 328.9  | 361.5  | 519.7  | 931.5   | 3102.0  | 7917.5  | 8076.9  | 7188.1  | 4307.1  | 1427.3  |
| 82.5° | 182.0  | 197.1  | 291.2  | 505.9   | 1397.2  | 3385.7  | 3481.1  | 2839.6  | 1515.2  | 605.1   |
| 85°   | 97.9   | 104.2  | 136.8  | 276.2   | 682.9   | 1173.7  | 1200.1  | 848.6   | 603.8   | 355.3   |
| 87.5° | 28.9   | 35.1   | 45.2   | 87.9    | 267.4   | 263.6   | 269.9   | 168.2   | 238.5   | 179.5   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2404.0  | 0°    | 2404.0  | 2404.0 | 2404.0 | 2404.0 | 2404.0 | 2404.0 | 2404.0 | 2404.0 | 2404.0 | 2404.0 |
| 2422.8  | 2.5°  | 2415.3  | 2411.5 | 2397.7 | 2391.4 | 2383.9 | 2382.6 | 2388.9 | 2390.2 | 2391.4 | 2392.7 |
| 2450.4  | 5°    | 2437.9  | 2425.3 | 2412.8 | 2405.2 | 2407.7 | 2409.0 | 2421.6 | 2430.3 | 2436.6 | 2441.6 |
| 2501.9  | 7.5°  | 2481.8  | 2471.8 | 2450.4 | 2449.2 | 2452.9 | 2464.2 | 2480.6 | 2500.6 | 2511.9 | 2520.7 |
| 2568.4  | 10°   | 2547.1  | 2528.3 | 2503.2 | 2506.9 | 2514.5 | 2530.8 | 2564.7 | 2581.0 | 2599.8 | 2616.1 |
| 2650.0  | 12.5° | 2613.6  | 2597.3 | 2568.4 | 2570.9 | 2583.5 | 2612.4 | 2645.0 | 2665.1 | 2677.6 | 2690.2 |
| 2737.9  | 15°   | 2700.2  | 2671.4 | 2640.0 | 2640.0 | 2662.6 | 2694.0 | 2709.0 | 2725.4 | 2732.9 | 2746.7 |
| 2832.1  | 17.5° | 2789.4  | 2751.7 | 2710.3 | 2707.8 | 2735.4 | 2750.5 | 2759.2 | 2761.8 | 2764.3 | 2779.3 |
| 2923.7  | 20°   | 2878.5  | 2837.1 | 2778.1 | 2773.1 | 2779.3 | 2776.8 | 2775.6 | 2773.1 | 2776.8 | 2795.7 |
| 3017.8  | 22.5° | 2966.4  | 2918.7 | 2837.1 | 2814.5 | 2796.9 | 2773.1 | 2771.8 | 2770.5 | 2773.1 | 2791.9 |
| 3119.5  | 25°   | 3069.3  | 3011.6 | 2902.4 | 2834.6 | 2775.6 | 2742.9 | 2746.7 | 2747.9 | 2750.5 | 2765.5 |
| 3225.0  | 27.5° | 3181.0  | 3117.0 | 2962.6 | 2828.3 | 2721.6 | 2699.0 | 2692.7 | 2696.5 | 2705.3 | 2729.1 |
| 3330.4  | 30°   | 3292.8  | 3217.4 | 3017.8 | 2803.2 | 2653.8 | 2622.4 | 2602.3 | 2611.1 | 2638.7 | 2662.6 |
| 3422.1  | 32.5° | 3394.4  | 3319.1 | 3061.8 | 2747.9 | 2567.2 | 2518.2 | 2491.9 | 2503.2 | 2530.8 | 2539.6 |
| 3523.7  | 35°   | 3513.7  | 3428.3 | 3080.6 | 2660.1 | 2473.0 | 2397.7 | 2362.6 | 2346.2 | 2360.0 | 2351.3 |
| 3643.0  | 37.5° | 3646.8  | 3557.6 | 3078.1 | 2544.6 | 2362.6 | 2275.9 | 2227.0 | 2165.5 | 2136.6 | 2106.5 |
| 3818.8  | 40°   | 3843.9  | 3715.8 | 3048.0 | 2405.2 | 2225.7 | 2146.6 | 2058.8 | 1954.6 | 1889.3 | 1830.3 |
| 4102.5  | 42.5° | 4112.5  | 3935.5 | 2992.7 | 2252.1 | 2071.3 | 1997.3 | 1878.0 | 1756.2 | 1653.3 | 1555.4 |
| 4533.0  | 45°   | 4513.0  | 4223.0 | 2923.7 | 2088.9 | 1904.4 | 1831.5 | 1702.2 | 1565.4 | 1448.7 | 1323.1 |
| 5144.4  | 47.5° | 5090.4  | 4609.6 | 2858.4 | 1903.1 | 1728.6 | 1662.1 | 1545.3 | 1418.5 | 1280.5 | 1158.7 |
| 6028.2  | 50°   | 5883.8  | 5164.5 | 2798.2 | 1722.3 | 1555.4 | 1505.2 | 1412.3 | 1283.0 | 1143.6 | 1045.7 |
| 7063.8  | 52.5° | 6893.1  | 5918.9 | 2773.1 | 1547.8 | 1393.4 | 1374.6 | 1300.5 | 1180.0 | 1048.2 | 965.4  |
| 8271.5  | 55°   | 8051.8  | 6821.5 | 2773.1 | 1380.9 | 1251.6 | 1257.9 | 1206.4 | 1094.7 | 980.4  | 906.4  |
| 9516.8  | 57.5° | 9234.3  | 7735.4 | 2722.8 | 1226.5 | 1131.1 | 1157.4 | 1124.8 | 1026.9 | 923.9  | 847.4  |
| 10826.1 | 60°   | 10323.9 | 8501.2 | 2519.5 | 1085.9 | 1024.4 | 1065.8 | 1044.4 | 960.3  | 834.8  | 770.8  |
| 11920.7 | 62.5° | 11161.3 | 8933.0 | 2127.8 | 974.1  | 936.5  | 984.2  | 972.9  | 872.5  | 818.5  | 792.1  |
| 12819.6 | 65°   | 11580.5 | 8862.7 | 1626.9 | 875.0  | 862.4  | 936.5  | 912.6  | 908.9  | 866.2  | 836.1  |
| 13112.1 | 67.5° | 11323.2 | 8257.7 | 1180.0 | 802.2  | 819.7  | 892.5  | 984.2  | 999.3  | 920.2  | 861.2  |
| 12288.6 | 70°   | 10194.6 | 7163.0 | 878.7  | 733.1  | 765.8  | 893.8  | 1122.3 | 1045.7 | 902.6  | 833.5  |
| 9855.7  | 72.5° | 7755.5  | 5341.5 | 681.7  | 660.3  | 695.5  | 900.1  | 1183.8 | 1024.4 | 852.4  | 921.4  |
| 6139.9  | 75°   | 4435.1  | 2932.5 | 547.3  | 571.2  | 607.6  | 841.1  | 1152.4 | 969.1  | 813.5  | 846.1  |
| 2432.9  | 77.5° | 1690.9  | 1127.3 | 451.9  | 483.3  | 488.3  | 734.4  | 1102.2 | 965.4  | 774.5  | 755.7  |
| 729.4   | 80°   | 586.2   | 440.6  | 374.1  | 384.1  | 377.9  | 652.8  | 1057.0 | 839.8  | 633.9  | 567.4  |
| 301.3   | 82.5° | 239.8   | 219.7  | 296.3  | 283.7  | 268.6  | 507.2  | 853.6  | 686.7  | 518.5  | 458.2  |
| 145.6   | 85°   | 104.2   | 139.3  | 195.8  | 172.0  | 155.7  | 351.5  | 684.2  | 581.2  | 438.1  | 377.9  |
| 47.7    | 87.5° | 21.3    | 52.7   | 82.9   | 77.8   | 80.3   | 234.7  | 485.8  | 413.0  | 310.1  | 232.2  |
| 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°   |
|--------|
| 2404.0 |
| 2397.7 |
| 2444.2 |
| 2523.2 |
| 2612.4 |
| 2695.2 |
| 2751.7 |
| 2784.4 |
| 2803.2 |
| 2804.4 |
| 2785.6 |
| 2753.0 |
| 2688.9 |
| 2570.9 |
| 2378.9 |
| 2125.3 |
| 1834.1 |
| 1546.6 |
| 1308.1 |
| 1144.9 |
| 1039.4 |
| 959.1  |
| 898.8  |
| 834.8  |
| 760.7  |
| 783.3  |
| 826.0  |
| 851.1  |
| 822.3  |
| 913.9  |
| 846.1  |
| 689.2  |
| 548.6  |
| 453.2  |
| 376.6  |
| 182.0  |
| 0.0    |