

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: P953750

Luminaire Tested: **GLAN-SB7A-950-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22490 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 199.1  
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



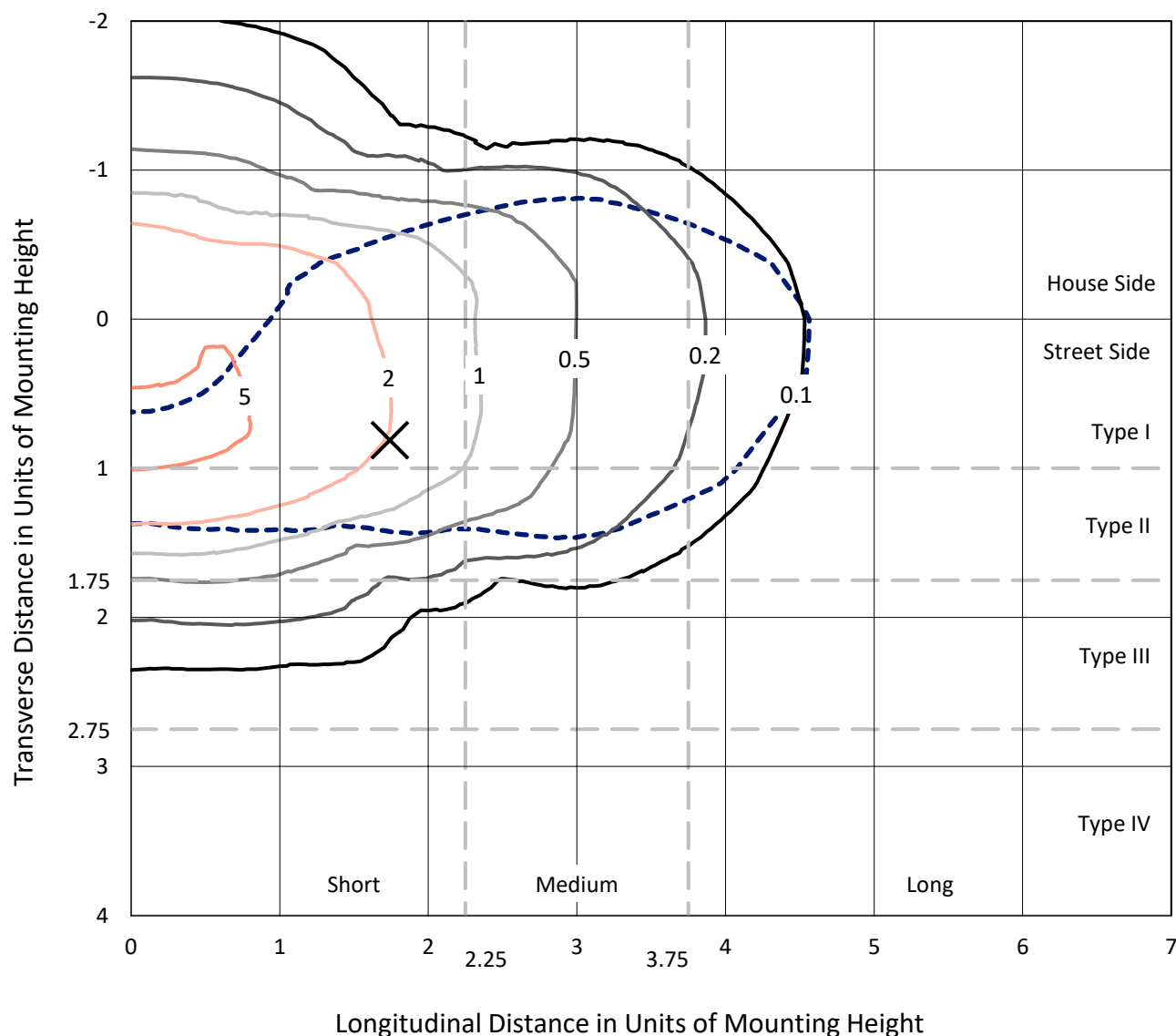
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

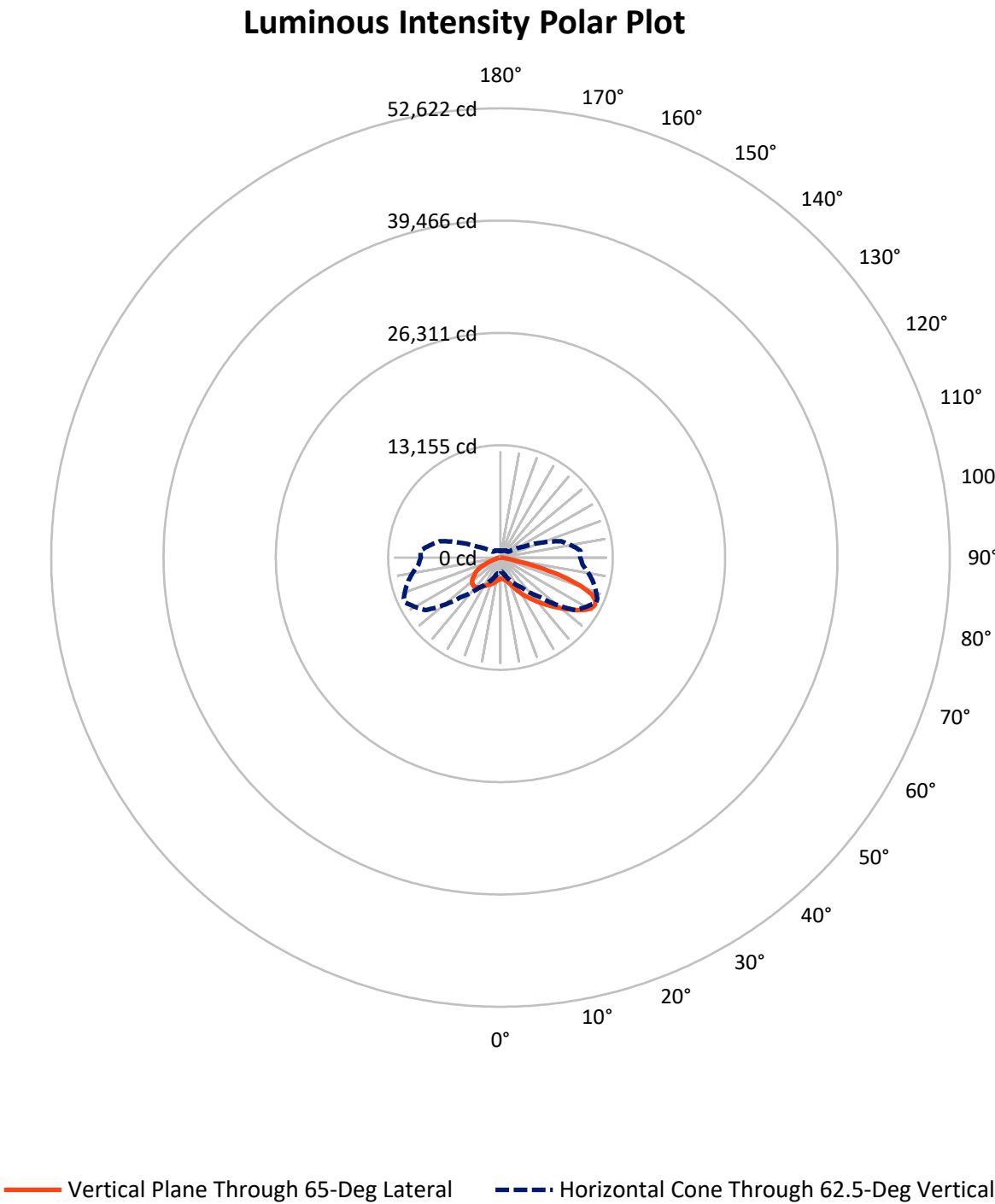
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7096.9   | 0.0    | 7096.9  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 15393.1  | 0.0    | 15393.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 22490.0  | 0.0    | 22490.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 247.1   | 1.1       |
| 10°-20°   | 837.9   | 3.7       |
| 20°-30°   | 1698.9  | 7.6       |
| 30°-40°   | 2939.9  | 13.1      |
| 40°-50°   | 4449.0  | 19.8      |
| 50°-60°   | 5216.2  | 23.2      |
| 60°-70°   | 4373.1  | 19.4      |
| 70°-80°   | 2414.3  | 10.7      |
| 80°-90°   | 313.6   | 1.4       |
| 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°    | 22490.0 | 100.0     |
| 0°-180°   | 22490.0 | 100.0     |

**Coefficient of Utilization**



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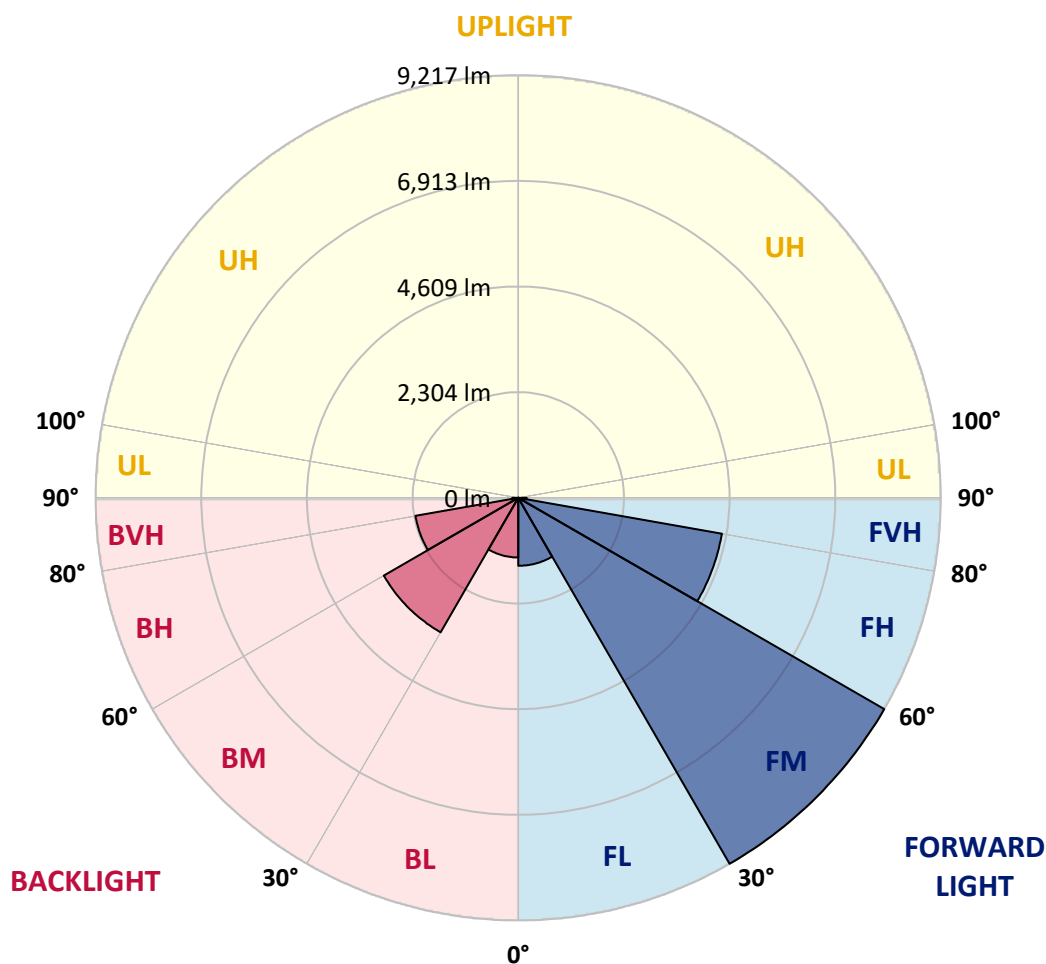
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1482.4 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 9217.1 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 4510.8 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 182.8  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1301.5 | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3387.9 | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2276.6 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 130.8  | 0.6       |                         |      | 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 II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 2478.3 | 2478.3 | 2478.3 | 2478.3 | 2478.3  | 2478.3  | 2478.3  | 2478.3  | 2478.3  | 2478.3  |
| 2.5°  | 2462.0 | 2455.0 | 2460.8 | 2460.8 | 2463.1  | 2462.0  | 2470.1  | 2472.5  | 2476.0  | 2483.0  |
| 5°    | 2437.5 | 2436.3 | 2446.8 | 2456.1 | 2465.5  | 2473.6  | 2484.1  | 2499.3  | 2501.6  | 2509.8  |
| 7.5°  | 2429.3 | 2422.3 | 2438.6 | 2450.3 | 2472.5  | 2492.3  | 2520.3  | 2546.0  | 2556.5  | 2560.0  |
| 10°   | 2492.3 | 2480.6 | 2495.8 | 2502.8 | 2521.5  | 2541.3  | 2574.0  | 2614.8  | 2626.5  | 2640.5  |
| 12.5° | 2599.6 | 2586.8 | 2609.0 | 2619.5 | 2637.0  | 2654.5  | 2676.7  | 2716.3  | 2722.2  | 2747.8  |
| 15°   | 2746.7 | 2731.5 | 2745.5 | 2758.3 | 2787.5  | 2803.8  | 2826.0  | 2864.5  | 2864.5  | 2884.3  |
| 17.5° | 2946.2 | 2926.4 | 2936.9 | 2941.5 | 2960.2  | 2984.7  | 3022.0  | 3055.9  | 3073.4  | 3066.4  |
| 20°   | 3243.7 | 3219.2 | 3219.2 | 3195.9 | 3188.9  | 3208.7  | 3257.7  | 3304.4  | 3323.1  | 3286.9  |
| 22.5° | 3690.6 | 3655.6 | 3635.8 | 3556.4 | 3524.9  | 3527.3  | 3576.3  | 3633.4  | 3648.6  | 3584.4  |
| 25°   | 4258.8 | 4204.0 | 4177.2 | 4060.5 | 3989.3  | 3927.5  | 3966.0  | 4039.5  | 4060.5  | 3981.1  |
| 27.5° | 4827.1 | 4830.6 | 4804.9 | 4664.9 | 4547.1  | 4433.9  | 4414.0  | 4491.0  | 4513.2  | 4423.4  |
| 30°   | 5624.0 | 5541.2 | 5492.2 | 5324.1 | 5156.1  | 4997.4  | 4915.8  | 4947.3  | 4953.1  | 4845.8  |
| 32.5° | 6311.3 | 6290.3 | 6185.2 | 6038.2 | 5822.4  | 5573.8  | 5437.3  | 5387.2  | 5377.8  | 5225.0  |
| 35°   | 7094.2 | 7082.5 | 6971.7 | 6796.7 | 6563.3  | 6217.9  | 5971.7  | 5828.2  | 5816.5  | 5601.8  |
| 37.5° | 7890.0 | 7890.0 | 7781.4 | 7590.1 | 7348.6  | 6916.8  | 6542.3  | 6314.8  | 6277.4  | 5997.4  |
| 40°   | 8524.7 | 8486.2 | 8506.0 | 8425.5 | 8149.0  | 7690.4  | 7175.9  | 6845.7  | 6795.5  | 6459.4  |
| 42.5° | 8885.2 | 8872.4 | 8991.4 | 9081.3 | 8968.1  | 8601.7  | 7873.6  | 7420.9  | 7350.9  | 6968.2  |
| 45°   | 8965.8 | 8951.8 | 9164.1 | 9493.2 | 9651.8  | 9501.3  | 8632.0  | 8026.5  | 7941.3  | 7500.2  |
| 47.5° | 8780.2 | 8752.2 | 9063.8 | 9583.0 | 10091.7 | 10356.6 | 9453.5  | 8683.4  | 8559.7  | 8018.3  |
| 50°   | 8222.5 | 8195.7 | 8667.1 | 9356.6 | 10239.9 | 10937.7 | 10344.9 | 9380.0  | 9190.9  | 8573.7  |
| 52.5° | 7010.2 | 7023.0 | 7761.6 | 8709.1 | 10045.1 | 11299.4 | 11112.7 | 10113.9 | 9886.4  | 9141.9  |
| 55°   | 5460.7 | 5488.7 | 6396.4 | 7439.6 | 9265.6  | 11244.5 | 11636.6 | 10870.0 | 10643.6 | 9676.3  |
| 57.5° | 3910.0 | 4033.7 | 4884.3 | 5916.9 | 7768.6  | 10375.3 | 11750.9 | 11588.7 | 11369.4 | 10259.7 |
| 60°   | 2534.3 | 2556.5 | 3431.6 | 4472.4 | 5915.7  | 8830.4  | 11518.7 | 12133.6 | 11962.1 | 10854.8 |
| 62.5° | 1624.2 | 1639.4 | 2172.6 | 3128.2 | 4257.7  | 6533.0  | 10737.0 | 12370.5 | 12318.0 | 11248.0 |
| 65°   | 1193.6 | 1182.0 | 1459.7 | 2067.6 | 2868.0  | 4029.0  | 9219.0  | 12256.2 | 12360.0 | 11494.2 |
| 67.5° | 996.5  | 980.1  | 1116.6 | 1431.7 | 2113.1  | 2288.1  | 6821.2  | 11512.9 | 11893.3 | 11466.2 |
| 70°   | 907.8  | 893.8  | 976.6  | 1063.0 | 1648.7  | 1532.0  | 3438.6  | 10008.9 | 10594.6 | 11147.7 |
| 72.5° | 768.9  | 744.4  | 857.6  | 943.9  | 1282.3  | 1175.0  | 1421.2  | 7688.1  | 8402.2  | 10126.7 |
| 75°   | 596.2  | 579.9  | 676.7  | 830.8  | 963.8   | 917.1   | 898.4   | 4668.4  | 5447.8  | 7831.6  |
| 77.5° | 472.6  | 450.4  | 539.1  | 647.6  | 866.9   | 691.9   | 654.6   | 2010.4  | 2782.8  | 4999.8  |
| 80°   | 355.9  | 336.0  | 409.5  | 512.2  | 666.2   | 521.6   | 423.6   | 820.3   | 1049.0  | 2533.1  |
| 82.5° | 253.2  | 235.7  | 285.9  | 375.7  | 448.1   | 467.9   | 260.2   | 459.7   | 516.9   | 976.6   |
| 85°   | 162.2  | 151.7  | 191.4  | 235.7  | 284.7   | 301.0   | 158.7   | 240.4   | 263.7   | 402.5   |
| 87.5° | 88.7   | 72.3   | 102.7  | 109.7  | 131.8   | 120.2   | 75.8    | 87.5    | 94.5    | 145.9   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2478.3  | 0°    | 2478.3  | 2478.3  | 2478.3 | 2478.3 | 2478.3 | 2478.3 | 2478.3 | 2478.3 | 2478.3 | 2478.3 |
| 2483.0  | 2.5°  | 2487.6  | 2491.1  | 2502.8 | 2506.3 | 2514.5 | 2525.0 | 2532.0 | 2539.0 | 2539.0 | 2546.0 |
| 2520.3  | 5°    | 2521.5  | 2529.6  | 2554.1 | 2567.0 | 2588.0 | 2609.0 | 2621.8 | 2637.0 | 2646.3 | 2651.0 |
| 2579.8  | 7.5°  | 2586.8  | 2599.6  | 2634.7 | 2656.8 | 2693.0 | 2722.2 | 2742.0 | 2763.0 | 2767.7 | 2780.5 |
| 2662.7  | 10°   | 2675.5  | 2690.7  | 2730.3 | 2772.3 | 2815.5 | 2851.7 | 2870.3 | 2885.5 | 2891.4 | 2893.7 |
| 2768.8  | 12.5° | 2777.0  | 2799.2  | 2850.5 | 2901.9 | 2947.4 | 2978.9 | 2983.5 | 2980.0 | 2963.7 | 2949.7 |
| 2899.5  | 15°   | 2901.9  | 2921.7  | 2978.9 | 3034.9 | 3079.2 | 3085.0 | 3055.9 | 3037.2 | 3017.4 | 3013.9 |
| 3045.4  | 17.5° | 3051.2  | 3061.7  | 3114.2 | 3169.1 | 3172.6 | 3152.7 | 3109.5 | 3092.0 | 3073.4 | 3060.5 |
| 3235.6  | 20°   | 3225.1  | 3221.6  | 3258.9 | 3282.2 | 3257.7 | 3197.1 | 3131.7 | 3102.5 | 3083.9 | 3068.7 |
| 3468.9  | 22.5° | 3432.7  | 3405.9  | 3401.2 | 3395.4 | 3330.1 | 3202.9 | 3114.2 | 3076.9 | 3047.7 | 3026.7 |
| 3794.5  | 25°   | 3735.0  | 3632.3  | 3561.1 | 3521.4 | 3374.4 | 3171.4 | 3058.2 | 2975.4 | 2920.5 | 2884.3 |
| 4192.3  | 27.5° | 4113.0  | 3940.3  | 3760.6 | 3663.8 | 3374.4 | 3107.2 | 2922.9 | 2788.7 | 2698.8 | 2661.5 |
| 4577.4  | 30°   | 4473.5  | 4292.7  | 4027.8 | 3835.3 | 3366.2 | 3002.2 | 2704.7 | 2518.0 | 2413.0 | 2375.6 |
| 4906.4  | 32.5° | 4781.6  | 4584.4  | 4311.4 | 4023.2 | 3346.4 | 2831.8 | 2434.0 | 2227.4 | 2125.9 | 2081.6 |
| 5232.0  | 35°   | 5067.4  | 4857.4  | 4596.1 | 4229.7 | 3293.9 | 2582.1 | 2136.4 | 1978.9 | 1865.7 | 1794.6 |
| 5563.3  | 37.5° | 5360.3  | 5110.6  | 4865.6 | 4416.4 | 3199.4 | 2290.4 | 1907.7 | 1773.5 | 1640.5 | 1544.9 |
| 5915.7  | 40°   | 5678.9  | 5380.2  | 5153.8 | 4527.2 | 3044.2 | 2012.7 | 1730.4 | 1607.9 | 1466.7 | 1365.2 |
| 6321.8  | 42.5° | 6051.1  | 5703.4  | 5474.7 | 4584.4 | 2831.8 | 1815.6 | 1614.9 | 1494.7 | 1361.7 | 1278.8 |
| 6757.0  | 45°   | 6439.6  | 6059.2  | 5767.5 | 4583.2 | 2595.0 | 1723.4 | 1577.5 | 1458.5 | 1311.5 | 1225.1 |
| 7203.9  | 47.5° | 6846.8  | 6431.4  | 6020.7 | 4508.5 | 2389.6 | 1736.2 | 1556.5 | 1380.3 | 1218.1 | 1134.1 |
| 7655.4  | 50°   | 7255.2  | 6838.7  | 6265.8 | 4368.5 | 2302.1 | 1708.2 | 1478.3 | 1270.7 | 1079.3 | 1003.5 |
| 8079.0  | 52.5° | 7660.1  | 7271.5  | 6477.0 | 4169.0 | 2213.4 | 1604.4 | 1378.0 | 1128.3 | 1022.1 | 969.6  |
| 8516.5  | 55°   | 8067.3  | 7699.8  | 6706.8 | 3878.5 | 1991.7 | 1483.0 | 1210.0 | 1074.6 | 976.6  | 928.8  |
| 8944.8  | 57.5° | 8475.7  | 8194.5  | 6925.0 | 3587.9 | 1712.9 | 1333.7 | 1117.8 | 1009.3 | 931.1  | 890.3  |
| 9303.0  | 60°   | 8900.4  | 8760.4  | 7150.2 | 3320.7 | 1437.5 | 1142.3 | 1050.1 | 956.8  | 877.4  | 831.9  |
| 9647.2  | 62.5° | 9338.0  | 9383.5  | 7326.4 | 2976.5 | 1184.3 | 1025.6 | 989.5  | 893.8  | 816.8  | 773.6  |
| 9931.9  | 65°   | 9779.0  | 9984.4  | 7441.9 | 2499.3 | 960.3  | 914.8  | 924.1  | 824.9  | 746.8  | 709.4  |
| 10140.7 | 67.5° | 10111.6 | 10417.3 | 7409.2 | 1891.4 | 787.6  | 809.8  | 842.4  | 752.6  | 679.1  | 649.9  |
| 10106.9 | 70°   | 10148.9 | 10365.9 | 7087.2 | 1295.2 | 659.2  | 707.1  | 751.4  | 681.4  | 605.6  | 584.6  |
| 9630.8  | 72.5° | 9651.8  | 9665.8  | 6189.9 | 845.9  | 557.7  | 620.7  | 655.7  | 609.1  | 535.6  | 514.6  |
| 8425.5  | 75°   | 8348.5  | 7993.8  | 4544.7 | 557.7  | 466.7  | 533.2  | 565.9  | 533.2  | 462.1  | 466.7  |
| 6304.3  | 77.5° | 6325.3  | 5661.4  | 2759.5 | 396.7  | 389.7  | 448.1  | 492.4  | 469.1  | 408.4  | 458.6  |
| 3170.2  | 80°   | 3258.9  | 3062.9  | 1231.0 | 296.4  | 308.0  | 358.2  | 404.9  | 374.5  | 323.2  | 308.0  |
| 708.3   | 82.5° | 746.8   | 868.1   | 485.4  | 212.4  | 222.9  | 257.9  | 309.2  | 281.2  | 232.2  | 196.0  |
| 295.2   | 85°   | 261.4   | 285.9   | 214.7  | 133.0  | 130.7  | 161.0  | 210.0  | 187.9  | 157.5  | 126.0  |
| 124.8   | 87.5° | 82.8    | 108.5   | 80.5   | 53.7   | 56.0   | 72.3   | 96.8   | 88.7   | 73.5   | 47.8   |
| 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°   |
|--------|
| 2478.3 |
| 2546.0 |
| 2653.3 |
| 2775.8 |
| 2887.9 |
| 2949.7 |
| 3013.9 |
| 3061.7 |
| 3069.9 |
| 3033.7 |
| 2898.4 |
| 2680.2 |
| 2397.8 |
| 2103.8 |
| 1817.9 |
| 1570.5 |
| 1385.0 |
| 1295.2 |
| 1239.2 |
| 1145.8 |
| 1008.1 |
| 969.6  |
| 924.1  |
| 883.3  |
| 828.4  |
| 772.4  |
| 708.3  |
| 651.1  |
| 585.7  |
| 513.4  |
| 450.4  |
| 403.7  |
| 281.2  |
| 193.7  |
| 133.0  |
| 50.2   |
| 0.0    |