

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: P852882

Luminaire Tested: **GLAN-SB7A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19999 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

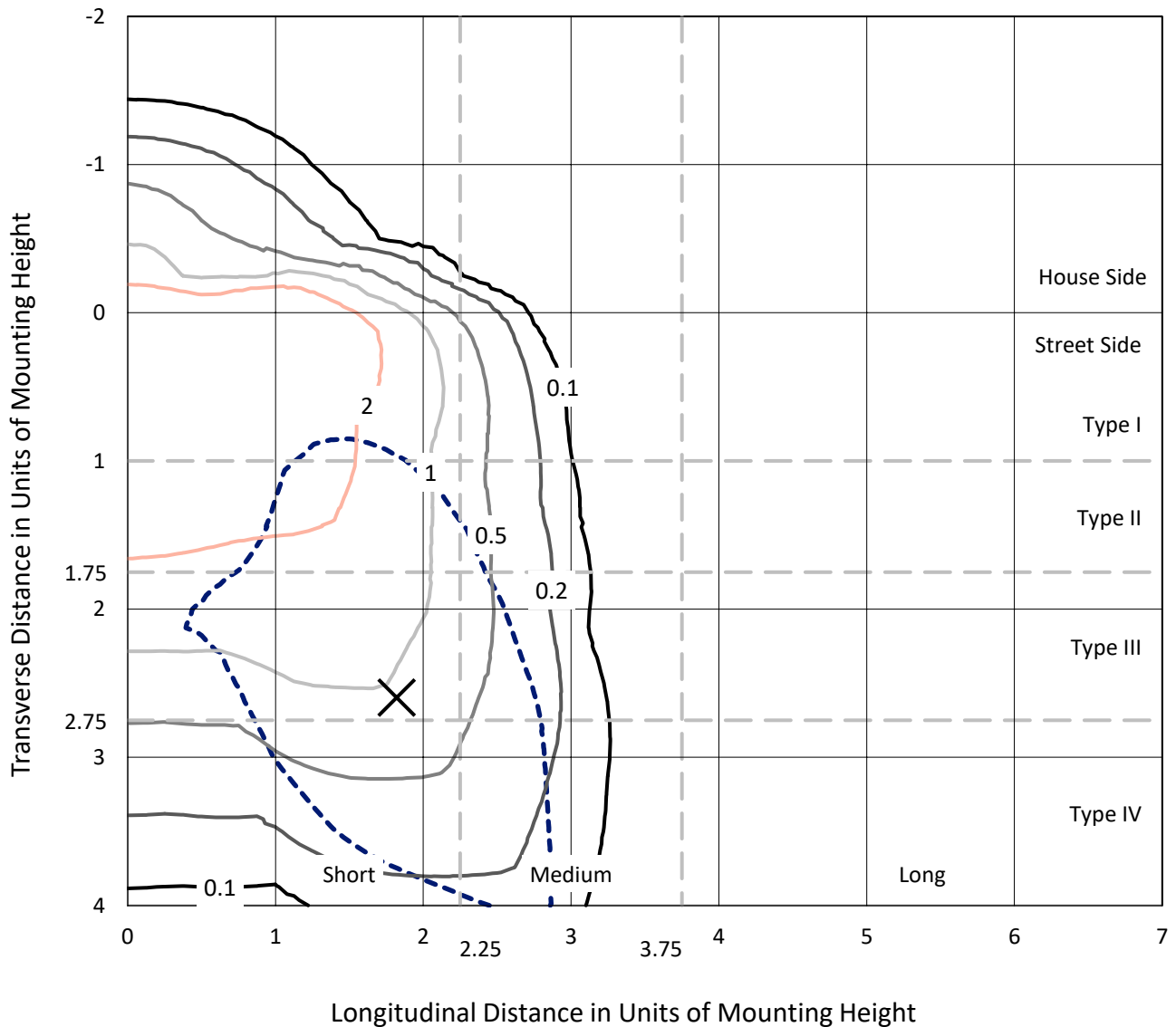
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

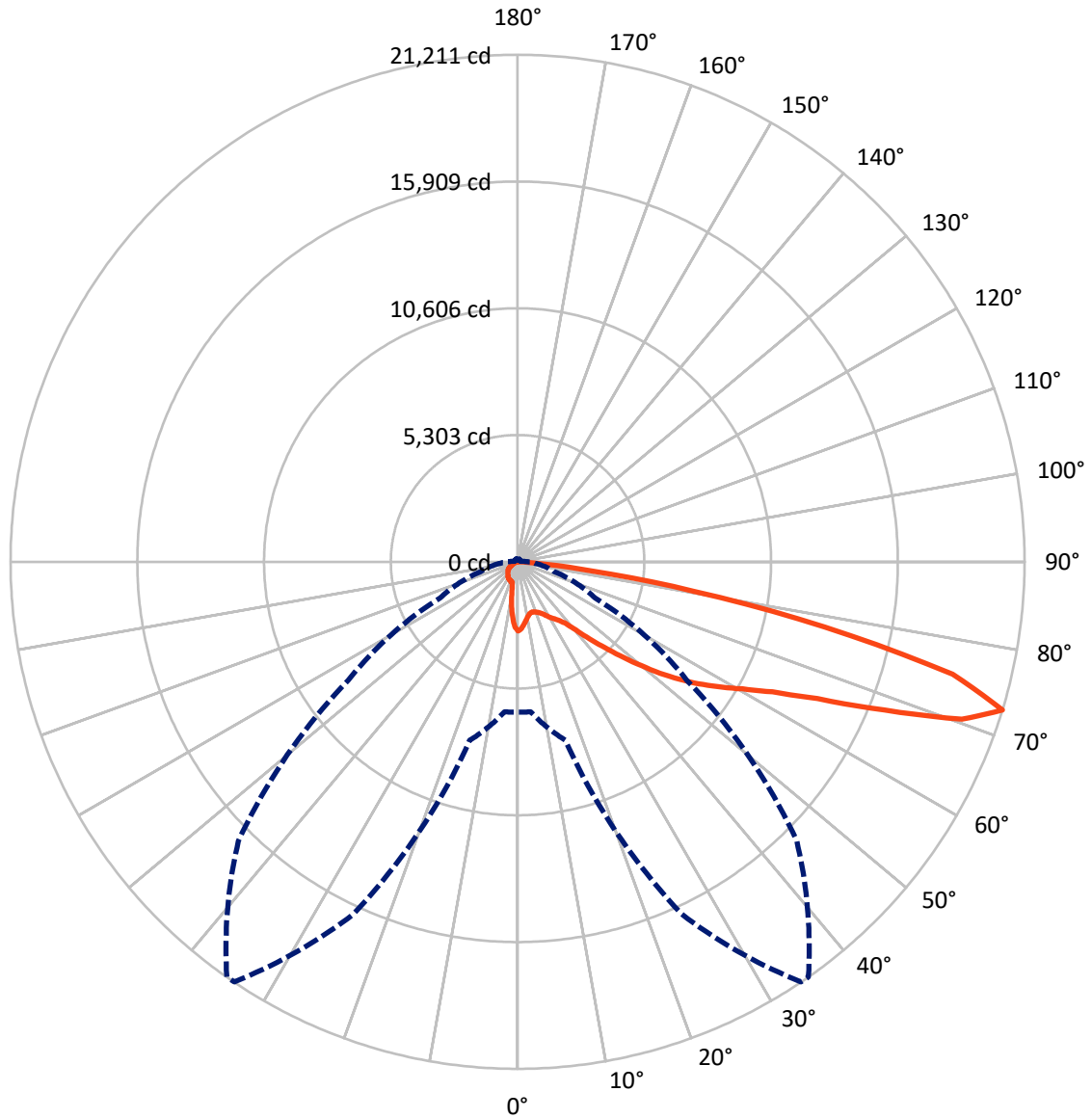
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2250.8   | 0.0    | 2250.8  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 17748.2  | 0.0    | 17748.2 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 19999.0  | 0.0    | 19999.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 238.2   | 1.2       |
| 10°-20°   | 557.2   | 2.8       |
| 20°-30°   | 905.2   | 4.5       |
| 30°-40°   | 1510.2  | 7.6       |
| 40°-50°   | 2857.4  | 14.3      |
| 50°-60°   | 4540.4  | 22.7      |
| 60°-70°   | 5616.8  | 28.1      |
| 70°-80°   | 3491.4  | 17.5      |
| 80°-90°   | 282.2   | 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°    | 19999.0 | 100.0     |
| 0°-180°   | 19999.0 | 100.0     |

**Coefficient of Utilization**



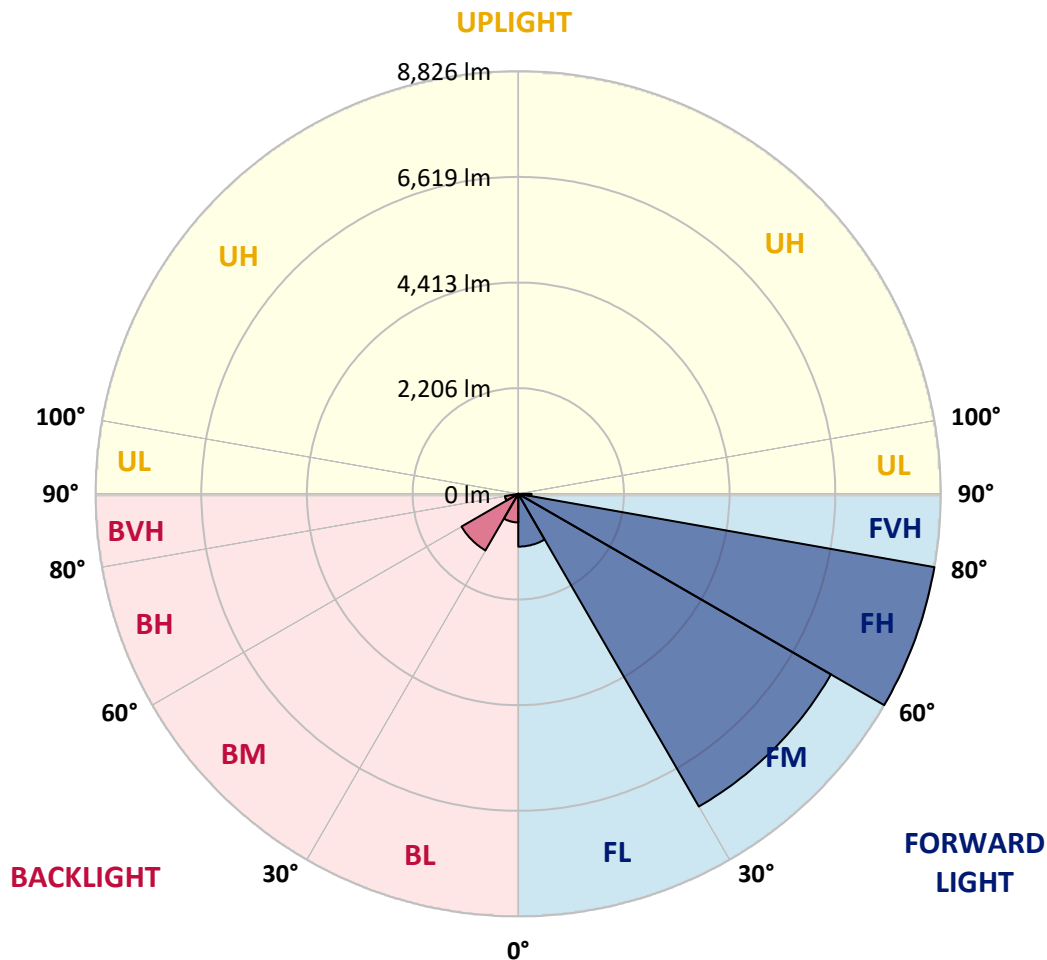
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1102.5 | 5.5       |                         |      |          |
| FM (30°-60°)   | 7541.6 | 37.7      |                         |      |          |
| FH (60°-80°)   | 8825.8 | 44.1      |                         |      | G4/12000 |
| FVH (80°-90°)  | 278.3  | 1.4       |                         |      | G3/500   |
| BL (0°-30°)    | 598.1  | 3.0       | B2/1000                 |      |          |
| BM (30°-60°)   | 1366.4 | 6.8       | B2/2500                 |      |          |
| BH (60°-80°)   | 282.4  | 1.4       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 3.8    | 0.0       |                         |      | G0/10    |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°    | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| 0°    | 2898.5  | 2898.5  | 2898.5  | 2898.5  | 2898.5  | 2898.5  | 2898.5  | 2898.5  | 2898.5 | 2898.5  |
| 2.5°  | 2769.6  | 2793.0  | 2797.4  | 2804.7  | 2804.7  | 2813.5  | 2828.2  | 2848.7  | 2882.4 | 2900.0  |
| 5°    | 2552.7  | 2570.3  | 2592.3  | 2609.8  | 2643.5  | 2647.9  | 2705.1  | 2760.8  | 2838.4 | 2897.1  |
| 7.5°  | 2334.4  | 2354.9  | 2384.2  | 2426.7  | 2470.6  | 2483.8  | 2570.3  | 2664.1  | 2787.2 | 2897.1  |
| 10°   | 2180.5  | 2182.0  | 2208.3  | 2250.8  | 2321.2  | 2337.3  | 2442.8  | 2576.1  | 2730.0 | 2879.5  |
| 12.5° | 2094.0  | 2104.3  | 2116.0  | 2148.3  | 2215.7  | 2225.9  | 2338.7  | 2495.5  | 2672.9 | 2869.2  |
| 15°   | 2094.0  | 2101.4  | 2108.7  | 2124.8  | 2179.0  | 2187.8  | 2287.5  | 2444.3  | 2643.5 | 2873.6  |
| 17.5° | 2116.0  | 2127.7  | 2121.9  | 2140.9  | 2198.1  | 2203.9  | 2291.9  | 2429.6  | 2642.1 | 2901.5  |
| 20°   | 2168.8  | 2177.6  | 2165.8  | 2177.6  | 2234.7  | 2246.4  | 2337.3  | 2457.4  | 2667.0 | 2949.8  |
| 22.5° | 2252.3  | 2256.7  | 2228.8  | 2237.6  | 2296.3  | 2310.9  | 2416.4  | 2536.6  | 2727.1 | 3027.5  |
| 25°   | 2357.8  | 2366.6  | 2324.1  | 2334.4  | 2390.0  | 2407.6  | 2529.2  | 2655.3  | 2822.3 | 3134.5  |
| 27.5° | 2479.4  | 2483.8  | 2447.2  | 2445.7  | 2517.5  | 2542.4  | 2665.5  | 2801.8  | 2949.8 | 3269.3  |
| 30°   | 2618.6  | 2631.8  | 2596.7  | 2590.8  | 2681.6  | 2702.2  | 2823.8  | 2982.1  | 3137.4 | 3471.5  |
| 32.5° | 2728.5  | 2738.8  | 2718.3  | 2732.9  | 2825.3  | 2841.4  | 3015.8  | 3237.0  | 3431.9 | 3758.7  |
| 35°   | 2886.8  | 2892.7  | 2845.8  | 2872.1  | 2977.7  | 3018.7  | 3278.1  | 3594.6  | 3802.7 | 4119.2  |
| 37.5° | 3459.8  | 3459.8  | 3260.5  | 3130.1  | 3231.2  | 3267.8  | 3637.1  | 4044.5  | 4259.9 | 4602.8  |
| 40°   | 4252.5  | 4239.4  | 3947.7  | 3681.0  | 3667.9  | 3739.7  | 4148.5  | 4611.6  | 4850.4 | 5183.1  |
| 42.5° | 5098.1  | 5077.5  | 4680.4  | 4416.7  | 4372.7  | 4397.6  | 4739.0  | 5310.5  | 5553.8 | 5890.8  |
| 45°   | 5848.3  | 5842.5  | 5479.1  | 5124.4  | 5045.3  | 5124.4  | 5476.1  | 6128.2  | 6302.6 | 6657.2  |
| 47.5° | 6477.0  | 6477.0  | 6211.8  | 5980.2  | 5939.2  | 5986.1  | 6474.1  | 7035.3  | 7019.2 | 7473.4  |
| 50°   | 7200.9  | 7195.0  | 6943.0  | 6843.3  | 6885.8  | 6951.8  | 7622.9  | 7990.7  | 7760.7 | 8275.0  |
| 52.5° | 7707.9  | 7743.1  | 7656.6  | 7640.5  | 7857.4  | 7971.7  | 8789.4  | 8925.6  | 8424.5 | 9035.5  |
| 55°   | 8109.4  | 8150.5  | 8250.1  | 8362.9  | 8780.6  | 8930.0  | 9919.2  | 9812.2  | 8979.9 | 9695.0  |
| 57.5° | 8678.0  | 8619.4  | 8773.2  | 8996.0  | 9671.5  | 9851.8  | 11013.8 | 10648.9 | 9426.8 | 10229.8 |
| 60°   | 9368.2  | 9377.0  | 9403.4  | 9684.7  | 10561.0 | 10792.5 | 12092.3 | 11440.2 | 9714.0 | 10558.1 |
| 62.5° | 10197.6 | 10210.8 | 10265.0 | 10697.3 | 11755.3 | 11973.6 | 13241.2 | 12087.9 | 9845.9 | 10465.8 |
| 65°   | 10140.4 | 10196.1 | 10801.3 | 12279.9 | 13570.9 | 13786.3 | 14582.0 | 12542.2 | 9646.6 | 9621.7  |
| 67.5° | 9237.8  | 9328.6  | 10341.2 | 14170.2 | 16308.2 | 16548.6 | 16202.7 | 12631.6 | 8786.4 | 7482.2  |
| 70°   | 8053.7  | 8086.0  | 9303.7  | 15870.1 | 19477.9 | 19721.1 | 17653.5 | 11648.3 | 6667.5 | 4173.4  |
| 72.5° | 6289.4  | 6296.7  | 7725.5  | 16264.3 | 21198.2 | 21211.4 | 16514.9 | 8647.2  | 3585.8 | 1603.1  |
| 75°   | 4492.9  | 4448.9  | 5174.3  | 13189.9 | 18649.9 | 18799.4 | 12381.0 | 4056.2  | 1370.1 | 757.6   |
| 77.5° | 2409.1  | 2457.4  | 2927.8  | 7822.2  | 12883.6 | 13138.6 | 6755.4  | 1169.4  | 697.5  | 515.8   |
| 80°   | 744.4   | 785.4   | 1200.1  | 3581.4  | 7297.6  | 7451.5  | 2504.3  | 520.2   | 486.5  | 367.8   |
| 82.5° | 234.5   | 243.3   | 559.8   | 1504.9  | 3028.9  | 3099.3  | 725.4   | 294.5   | 332.6  | 243.3   |
| 85°   | 67.4    | 68.9    | 249.1   | 561.2   | 748.8   | 763.5   | 203.7   | 114.3   | 190.5  | 150.9   |
| 87.5° | 7.3     | 23.4    | 93.8    | 93.8    | 65.9    | 64.5    | 22.0    | 24.9    | 54.2   | 19.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2898.5  | 0°    | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 | 2898.5 |
| 2911.7  | 2.5°  | 2904.4 | 2905.9 | 2886.8 | 2854.6 | 2819.4 | 2790.1 | 2753.5 | 2724.1 | 2703.6 | 2697.8 |
| 2938.1  | 5°    | 2924.9 | 2914.6 | 2860.4 | 2762.2 | 2645.0 | 2543.9 | 2431.1 | 2341.7 | 2283.1 | 2258.2 |
| 2965.9  | 7.5°  | 2955.7 | 2926.4 | 2807.7 | 2614.2 | 2390.0 | 2190.7 | 1988.5 | 1831.7 | 1732.1 | 1682.3 |
| 2992.3  | 10°   | 2982.1 | 2923.4 | 2719.7 | 2400.3 | 2057.4 | 1755.5 | 1483.0 | 1293.9 | 1188.4 | 1138.6 |
| 3023.1  | 12.5° | 3007.0 | 2922.0 | 2605.4 | 2146.8 | 1682.3 | 1313.0 | 1059.5 | 965.7  | 936.4  | 926.1  |
| 3072.9  | 15°   | 3053.9 | 2926.4 | 2461.8 | 1856.6 | 1308.6 | 992.1  | 899.7  | 898.3  | 904.1  | 901.2  |
| 3149.1  | 17.5° | 3118.3 | 2930.8 | 2299.2 | 1548.9 | 1009.6 | 874.8  | 870.4  | 883.6  | 892.4  | 888.0  |
| 3244.4  | 20°   | 3201.9 | 2948.3 | 2126.3 | 1244.1 | 867.5  | 845.5  | 855.8  | 867.5  | 874.8  | 867.5  |
| 3371.8  | 22.5° | 3319.1 | 2979.1 | 1937.2 | 999.4  | 822.1  | 827.9  | 836.7  | 849.9  | 857.2  | 847.0  |
| 3534.5  | 25°   | 3462.7 | 3027.5 | 1751.1 | 869.0  | 800.1  | 807.4  | 820.6  | 835.3  | 844.1  | 833.8  |
| 3739.7  | 27.5° | 3648.8 | 3105.1 | 1579.7 | 839.7  | 778.1  | 782.5  | 801.6  | 823.5  | 835.3  | 822.1  |
| 4031.3  | 30°   | 3918.4 | 3232.6 | 1431.7 | 852.9  | 764.9  | 754.7  | 781.0  | 811.8  | 825.0  | 813.3  |
| 4428.4  | 32.5° | 4276.0 | 3412.9 | 1340.8 | 873.4  | 759.1  | 722.4  | 747.3  | 786.9  | 808.9  | 801.6  |
| 4947.1  | 35°   | 4744.9 | 3686.9 | 1305.7 | 896.8  | 754.7  | 688.7  | 706.3  | 748.8  | 786.9  | 794.2  |
| 5600.7  | 37.5° | 5313.5 | 4067.9 | 1315.9 | 907.1  | 741.5  | 660.9  | 669.7  | 706.3  | 756.1  | 779.6  |
| 6336.3  | 40°   | 5959.7 | 4511.9 | 1374.5 | 896.8  | 726.8  | 637.4  | 638.9  | 666.7  | 710.7  | 745.9  |
| 7127.6  | 42.5° | 6626.5 | 5030.7 | 1483.0 | 858.7  | 713.6  | 616.9  | 612.5  | 631.6  | 660.9  | 685.8  |
| 7917.5  | 45°   | 7261.0 | 5564.1 | 1589.9 | 806.0  | 697.5  | 596.4  | 586.2  | 593.5  | 599.3  | 609.6  |
| 8686.8  | 47.5° | 7814.9 | 5939.2 | 1559.2 | 757.6  | 675.5  | 573.0  | 555.4  | 552.4  | 534.9  | 533.4  |
| 9374.0  | 50°   | 8197.3 | 6021.3 | 1384.8 | 709.2  | 643.3  | 546.6  | 518.7  | 501.2  | 470.4  | 455.7  |
| 9888.4  | 52.5° | 8319.0 | 5697.4 | 1131.3 | 660.9  | 590.5  | 511.4  | 471.9  | 444.0  | 405.9  | 392.7  |
| 10184.4 | 55°   | 8157.8 | 5062.9 | 904.1  | 602.3  | 517.3  | 464.5  | 420.6  | 383.9  | 353.2  | 337.0  |
| 10216.6 | 57.5° | 7763.6 | 4255.5 | 715.1  | 533.4  | 439.6  | 411.8  | 367.8  | 331.2  | 304.8  | 288.7  |
| 9859.1  | 60°   | 7110.0 | 3379.2 | 565.6  | 451.3  | 375.1  | 354.6  | 309.2  | 285.7  | 262.3  | 243.3  |
| 8935.9  | 62.5° | 6118.0 | 2412.0 | 444.0  | 357.6  | 313.6  | 290.1  | 263.8  | 246.2  | 218.3  | 192.0  |
| 7275.6  | 65°   | 4774.2 | 1475.6 | 342.9  | 262.3  | 252.0  | 240.3  | 224.2  | 208.1  | 174.4  | 148.0  |
| 4746.4  | 67.5° | 3011.4 | 699.0  | 244.7  | 197.8  | 199.3  | 193.4  | 186.1  | 172.9  | 148.0  | 124.6  |
| 2126.3  | 70°   | 1326.2 | 338.5  | 161.2  | 150.9  | 148.0  | 148.0  | 153.9  | 149.5  | 126.0  | 104.0  |
| 738.6   | 72.5° | 451.3  | 181.7  | 120.2  | 114.3  | 107.0  | 105.5  | 129.0  | 124.6  | 101.1  | 80.6   |
| 367.8   | 75°   | 235.9  | 121.6  | 87.9   | 82.1   | 64.5   | 77.7   | 102.6  | 96.7   | 71.8   | 52.8   |
| 243.3   | 77.5° | 153.9  | 86.5   | 60.1   | 52.8   | 36.6   | 51.3   | 76.2   | 67.4   | 42.5   | 26.4   |
| 159.7   | 80°   | 96.7   | 57.1   | 35.2   | 24.9   | 17.6   | 27.8   | 41.0   | 29.3   | 16.1   | 5.9    |
| 93.8    | 82.5° | 51.3   | 29.3   | 13.2   | 8.8    | 7.3    | 8.8    | 10.3   | 7.3    | 2.9    | 0.0    |
| 48.4    | 85°   | 20.5   | 10.3   | 4.4    | 2.9    | 1.5    | 0.0    | 2.9    | 1.5    | 0.0    | 0.0    |
| 8.8     | 87.5° | 7.3    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 2898.5 |
| 2708.0 |
| 2266.9 |
| 1689.6 |
| 1140.1 |
| 923.2  |
| 899.7  |
| 886.6  |
| 866.0  |
| 845.5  |
| 832.3  |
| 822.1  |
| 811.8  |
| 801.6  |
| 794.2  |
| 785.4  |
| 757.6  |
| 696.1  |
| 615.5  |
| 531.9  |
| 457.2  |
| 391.3  |
| 337.0  |
| 285.7  |
| 238.9  |
| 187.6  |
| 143.6  |
| 121.6  |
| 99.6   |
| 76.2   |
| 48.4   |
| 23.4   |
| 4.4    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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