

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: P943108

Luminaire Tested: **GLAN-SB7B-935-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-935-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3500K, 450mA 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: 21093 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

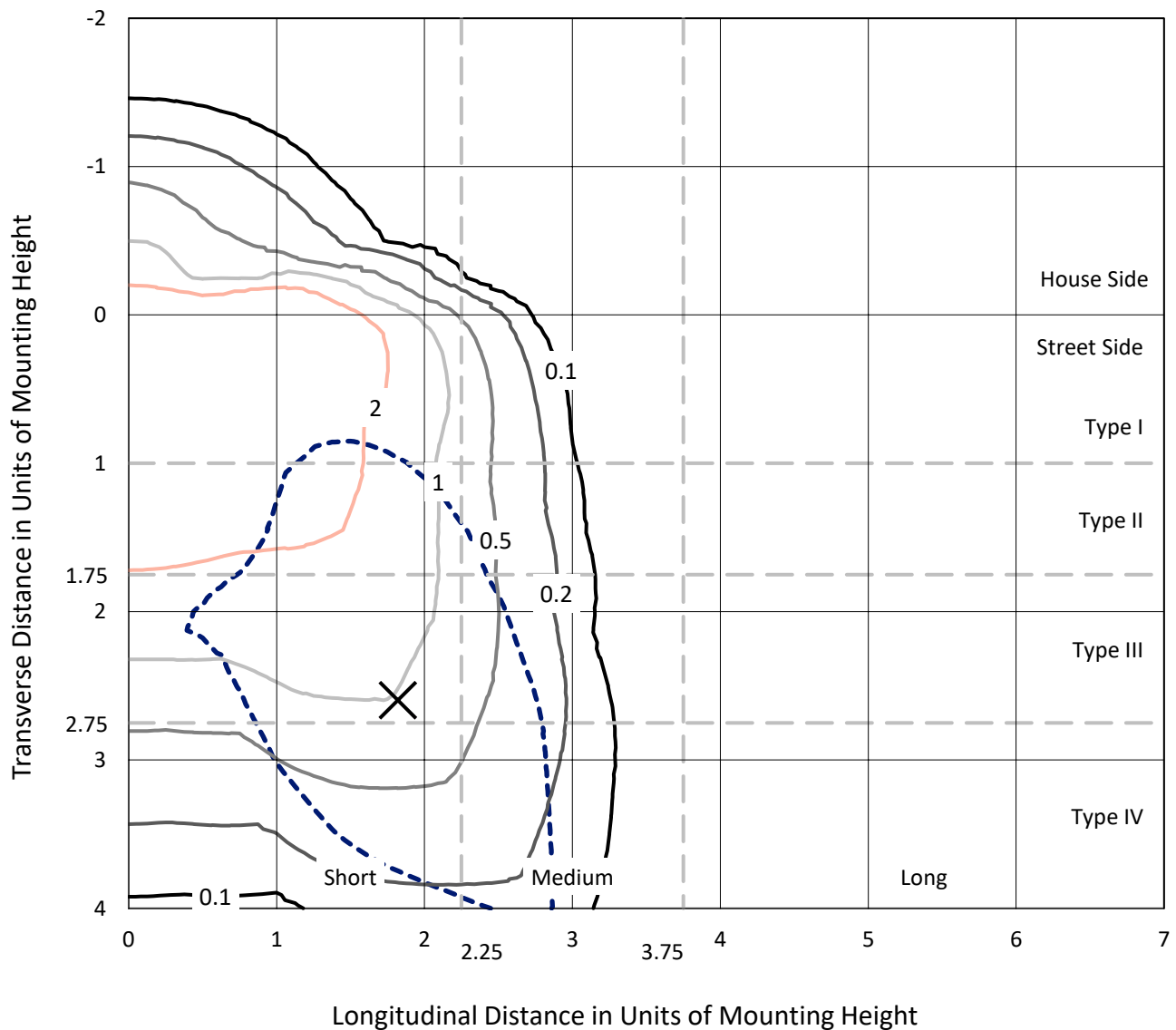
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

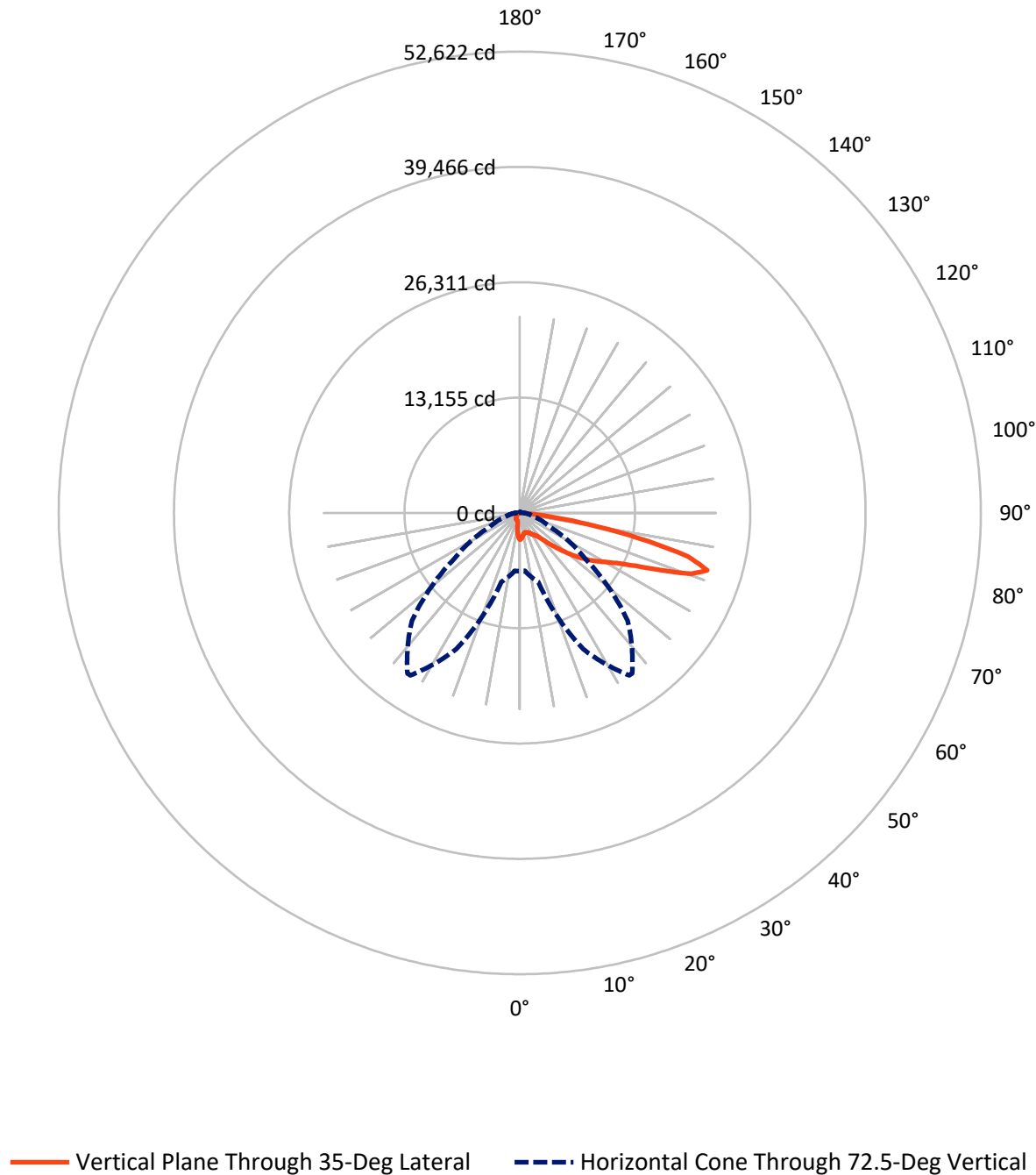
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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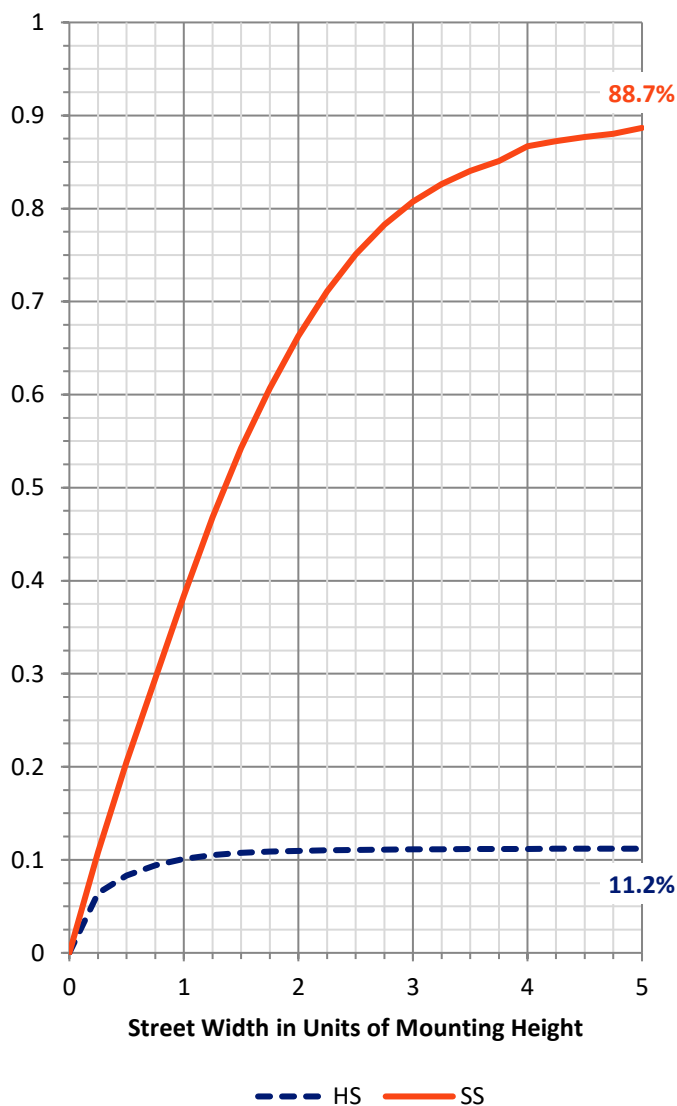
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2373.9   | 0.0    | 2373.9  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 18719.1  | 0.0    | 18719.1 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 21093.0  | 0.0    | 21093.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 251.2   | 1.2       |
| 10°-20°   | 587.7   | 2.8       |
| 20°-30°   | 954.7   | 4.5       |
| 30°-40°   | 1592.9  | 7.6       |
| 40°-50°   | 3013.7  | 14.3      |
| 50°-60°   | 4788.8  | 22.7      |
| 60°-70°   | 5924.1  | 28.1      |
| 70°-80°   | 3682.4  | 17.5      |
| 80°-90°   | 297.6   | 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°    | 21093.0 | 100.0     |
| 0°-180°   | 21093.0 | 100.0     |

**Coefficient of Utilization**



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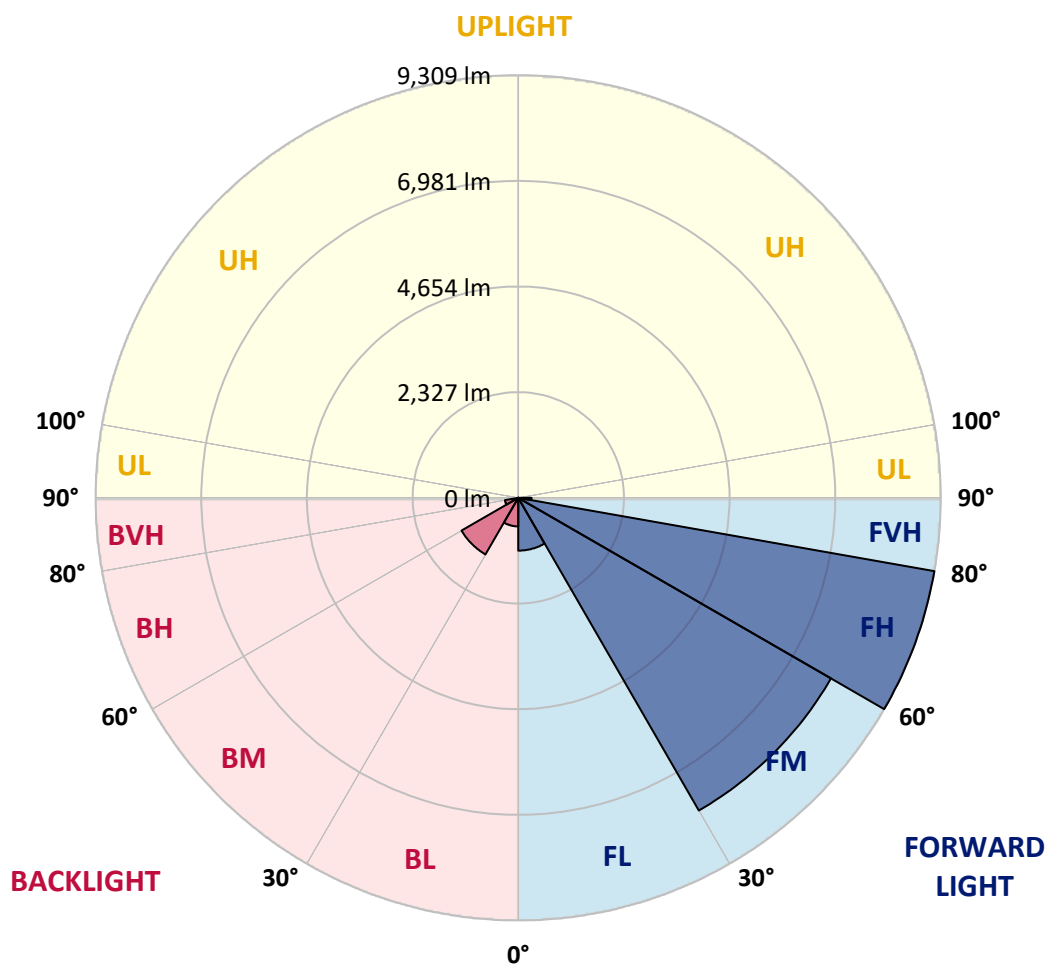
CATALOG NUMBER: GLAN-SB7B-935-U-T4FT-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1162.8 | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 7954.2 | 37.7      |                         |      |          |
| FH   | (60°-80°)   | 9308.6 | 44.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 293.5  | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 630.8  | 3.0       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1441.2 | 6.8       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 297.9  | 1.4       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 4.0    | 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°    | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  | 3057.1  |
| 2.5°  | 2921.1  | 2945.8  | 2950.4  | 2958.2  | 2958.2  | 2967.4  | 2982.9  | 3004.5  | 3040.1  | 3058.6  |
| 5°    | 2692.3  | 2710.9  | 2734.1  | 2752.6  | 2788.2  | 2792.8  | 2853.1  | 2911.8  | 2993.7  | 3055.5  |
| 7.5°  | 2462.0  | 2483.7  | 2514.6  | 2559.4  | 2605.8  | 2619.7  | 2710.9  | 2809.8  | 2939.6  | 3055.5  |
| 10°   | 2299.8  | 2301.3  | 2329.1  | 2374.0  | 2448.1  | 2465.1  | 2576.4  | 2717.1  | 2879.3  | 3037.0  |
| 12.5° | 2208.6  | 2219.4  | 2231.8  | 2265.8  | 2336.9  | 2347.7  | 2466.7  | 2632.1  | 2819.1  | 3026.2  |
| 15°   | 2208.6  | 2216.3  | 2224.0  | 2241.0  | 2298.2  | 2307.5  | 2412.6  | 2578.0  | 2788.2  | 3030.8  |
| 17.5° | 2231.8  | 2244.1  | 2237.9  | 2258.0  | 2318.3  | 2324.5  | 2417.2  | 2562.5  | 2786.6  | 3060.2  |
| 20°   | 2287.4  | 2296.7  | 2284.3  | 2296.7  | 2357.0  | 2369.3  | 2465.1  | 2591.9  | 2812.9  | 3111.2  |
| 22.5° | 2375.5  | 2380.1  | 2350.8  | 2360.0  | 2421.9  | 2437.3  | 2548.6  | 2675.3  | 2876.3  | 3193.1  |
| 25°   | 2486.8  | 2496.1  | 2451.2  | 2462.0  | 2520.8  | 2539.3  | 2667.6  | 2800.5  | 2976.7  | 3305.9  |
| 27.5° | 2615.1  | 2619.7  | 2581.1  | 2579.5  | 2655.2  | 2681.5  | 2811.3  | 2955.1  | 3111.2  | 3448.1  |
| 30°   | 2761.9  | 2775.8  | 2738.7  | 2732.5  | 2828.3  | 2850.0  | 2978.3  | 3145.2  | 3309.0  | 3661.4  |
| 32.5° | 2877.8  | 2888.6  | 2867.0  | 2882.4  | 2979.8  | 2996.8  | 3180.7  | 3414.1  | 3619.7  | 3964.3  |
| 35°   | 3044.7  | 3050.9  | 3001.4  | 3029.3  | 3140.5  | 3183.8  | 3457.4  | 3791.2  | 4010.7  | 4344.5  |
| 37.5° | 3649.0  | 3649.0  | 3438.8  | 3301.3  | 3407.9  | 3446.6  | 3836.0  | 4265.7  | 4492.9  | 4854.5  |
| 40°   | 4485.2  | 4471.3  | 4163.7  | 3882.4  | 3868.5  | 3944.2  | 4375.4  | 4863.8  | 5115.7  | 5466.6  |
| 42.5° | 5376.9  | 5355.3  | 4936.5  | 4658.3  | 4611.9  | 4638.2  | 4998.3  | 5601.0  | 5857.6  | 6213.1  |
| 45°   | 6168.3  | 6162.1  | 5778.8  | 5404.8  | 5321.3  | 5404.8  | 5775.7  | 6463.5  | 6647.4  | 7021.4  |
| 47.5° | 6831.3  | 6831.3  | 6551.6  | 6307.4  | 6264.1  | 6313.5  | 6828.2  | 7420.1  | 7403.1  | 7882.3  |
| 50°   | 7594.8  | 7588.6  | 7322.8  | 7217.7  | 7262.5  | 7332.1  | 8039.9  | 8427.8  | 8185.2  | 8727.7  |
| 52.5° | 8129.6  | 8166.6  | 8075.5  | 8058.5  | 8287.2  | 8407.8  | 9270.2  | 9413.9  | 8885.3  | 9529.8  |
| 55°   | 8553.0  | 8596.3  | 8701.4  | 8820.4  | 9260.9  | 9418.5  | 10461.8 | 10349.0 | 9471.1  | 10225.3 |
| 57.5° | 9152.7  | 9090.9  | 9253.2  | 9488.1  | 10200.6 | 10390.7 | 11616.3 | 11231.5 | 9942.5  | 10789.4 |
| 60°   | 9880.7  | 9889.9  | 9917.7  | 10214.5 | 11138.7 | 11382.9 | 12753.8 | 12066.0 | 10245.4 | 11135.6 |
| 62.5° | 10755.4 | 10769.3 | 10826.5 | 11282.5 | 12398.3 | 12628.6 | 13965.5 | 12749.2 | 10384.5 | 11038.3 |
| 65°   | 10695.2 | 10753.9 | 11392.2 | 12951.6 | 14313.3 | 14540.5 | 15379.7 | 13228.3 | 10174.3 | 10148.0 |
| 67.5° | 9743.1  | 9838.9  | 10906.9 | 14945.4 | 17200.3 | 17453.8 | 17089.1 | 13322.6 | 9267.1  | 7891.5  |
| 70°   | 8494.3  | 8528.3  | 9812.6  | 16738.2 | 20543.3 | 20799.9 | 18619.1 | 12285.5 | 7032.2  | 4401.7  |
| 72.5° | 6633.5  | 6641.2  | 8148.1  | 17154.0 | 22357.8 | 22371.7 | 17418.3 | 9120.2  | 3781.9  | 1690.8  |
| 75°   | 4738.6  | 4692.3  | 5457.3  | 13911.4 | 19670.1 | 19827.8 | 13058.3 | 4278.1  | 1445.1  | 799.0   |
| 77.5° | 2540.9  | 2591.9  | 3088.0  | 8250.1  | 13588.4 | 13857.3 | 7125.0  | 1233.3  | 735.7   | 544.0   |
| 80°   | 785.1   | 828.4   | 1265.8  | 3777.3  | 7696.8  | 7859.1  | 2641.3  | 548.7   | 513.1   | 387.9   |
| 82.5° | 247.3   | 256.6   | 590.4   | 1587.3  | 3194.6  | 3268.8  | 765.0   | 310.7   | 350.8   | 256.6   |
| 85°   | 71.1    | 72.6    | 262.7   | 591.9   | 789.8   | 805.2   | 214.8   | 120.6   | 200.9   | 159.2   |
| 87.5° | 7.7     | 24.7    | 98.9    | 98.9    | 69.5    | 68.0    | 23.2    | 26.3    | 57.2    | 20.1    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3057.1  | 0°    | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 | 3057.1 |
| 3071.0  | 2.5°  | 3063.3 | 3064.8 | 3044.7 | 3010.7 | 2973.6 | 2942.7 | 2904.1 | 2873.2 | 2851.5 | 2845.3 |
| 3098.8  | 5°    | 3084.9 | 3074.1 | 3016.9 | 2913.3 | 2789.7 | 2683.1 | 2564.1 | 2469.8 | 2408.0 | 2381.7 |
| 3128.2  | 7.5°  | 3117.4 | 3086.4 | 2961.3 | 2757.2 | 2520.8 | 2310.6 | 2097.3 | 1931.9 | 1826.8 | 1774.3 |
| 3156.0  | 10°   | 3145.2 | 3083.4 | 2868.5 | 2531.6 | 2169.9 | 1851.6 | 1564.1 | 1364.7 | 1253.4 | 1200.9 |
| 3188.5  | 12.5° | 3171.5 | 3081.8 | 2748.0 | 2264.2 | 1774.3 | 1384.8 | 1117.4 | 1018.5 | 987.6  | 976.8  |
| 3241.0  | 15°   | 3220.9 | 3086.4 | 2596.5 | 1958.2 | 1380.2 | 1046.3 | 949.0  | 947.4  | 953.6  | 950.5  |
| 3321.4  | 17.5° | 3288.9 | 3091.1 | 2425.0 | 1633.6 | 1064.9 | 922.7  | 918.1  | 932.0  | 941.2  | 936.6  |
| 3421.8  | 20°   | 3377.0 | 3109.6 | 2242.6 | 1312.2 | 915.0  | 891.8  | 902.6  | 915.0  | 922.7  | 915.0  |
| 3556.3  | 22.5° | 3500.7 | 3142.1 | 2043.2 | 1054.1 | 867.0  | 873.2  | 882.5  | 896.4  | 904.1  | 893.3  |
| 3727.8  | 25°   | 3652.1 | 3193.1 | 1846.9 | 916.5  | 843.9  | 851.6  | 865.5  | 881.0  | 890.2  | 879.4  |
| 3944.2  | 27.5° | 3848.4 | 3275.0 | 1666.1 | 885.6  | 820.7  | 825.3  | 845.4  | 868.6  | 881.0  | 867.0  |
| 4251.8  | 30°   | 4132.8 | 3409.5 | 1510.0 | 899.5  | 806.8  | 796.0  | 823.8  | 856.2  | 870.1  | 857.8  |
| 4670.6  | 32.5° | 4509.9 | 3599.6 | 1414.2 | 921.1  | 800.6  | 762.0  | 788.2  | 830.0  | 853.1  | 845.4  |
| 5217.8  | 35°   | 5004.5 | 3888.6 | 1377.1 | 945.9  | 796.0  | 726.4  | 745.0  | 789.8  | 830.0  | 837.7  |
| 5907.1  | 37.5° | 5604.1 | 4290.4 | 1387.9 | 956.7  | 782.0  | 697.0  | 706.3  | 745.0  | 797.5  | 822.2  |
| 6682.9  | 40°   | 6285.7 | 4758.7 | 1449.7 | 945.9  | 766.6  | 672.3  | 673.9  | 703.2  | 749.6  | 786.7  |
| 7517.5  | 42.5° | 6988.9 | 5305.8 | 1564.1 | 905.7  | 752.7  | 650.7  | 646.0  | 666.1  | 697.0  | 723.3  |
| 8350.6  | 45°   | 7658.2 | 5868.4 | 1676.9 | 850.0  | 735.7  | 629.0  | 618.2  | 625.9  | 632.1  | 642.9  |
| 9162.0  | 47.5° | 8242.4 | 6264.1 | 1644.5 | 799.0  | 712.5  | 604.3  | 585.8  | 582.7  | 564.1  | 562.6  |
| 9886.8  | 50°   | 8645.8 | 6350.6 | 1460.5 | 748.0  | 678.5  | 576.5  | 547.1  | 528.6  | 496.1  | 480.7  |
| 10429.3 | 52.5° | 8774.0 | 6009.1 | 1193.2 | 697.0  | 622.9  | 539.4  | 497.7  | 468.3  | 428.1  | 414.2  |
| 10741.5 | 55°   | 8604.0 | 5339.8 | 953.6  | 635.2  | 545.6  | 489.9  | 443.6  | 404.9  | 372.5  | 355.5  |
| 10775.5 | 57.5° | 8188.3 | 4488.3 | 754.2  | 562.6  | 463.7  | 434.3  | 387.9  | 349.3  | 321.5  | 304.5  |
| 10398.4 | 60°   | 7499.0 | 3564.0 | 596.6  | 476.0  | 395.7  | 374.0  | 326.1  | 301.4  | 276.7  | 256.6  |
| 9424.7  | 62.5° | 6452.6 | 2544.0 | 468.3  | 377.1  | 330.7  | 306.0  | 278.2  | 259.7  | 230.3  | 202.5  |
| 7673.6  | 65°   | 5035.4 | 1556.4 | 361.7  | 276.7  | 265.8  | 253.5  | 236.5  | 219.5  | 183.9  | 156.1  |
| 5006.0  | 67.5° | 3176.1 | 737.2  | 258.1  | 208.6  | 210.2  | 204.0  | 196.3  | 182.4  | 156.1  | 131.4  |
| 2242.6  | 70°   | 1398.7 | 357.0  | 170.0  | 159.2  | 156.1  | 156.1  | 162.3  | 157.6  | 132.9  | 109.7  |
| 779.0   | 72.5° | 476.0  | 191.6  | 126.7  | 120.6  | 112.8  | 111.3  | 136.0  | 131.4  | 106.6  | 85.0   |
| 387.9   | 75°   | 248.8  | 128.3  | 92.7   | 86.6   | 68.0   | 81.9   | 108.2  | 102.0  | 75.7   | 55.6   |
| 256.6   | 77.5° | 162.3  | 91.2   | 63.4   | 55.6   | 38.6   | 54.1   | 80.4   | 71.1   | 44.8   | 27.8   |
| 168.5   | 80°   | 102.0  | 60.3   | 37.1   | 26.3   | 18.5   | 29.4   | 43.3   | 30.9   | 17.0   | 6.2    |
| 98.9    | 82.5° | 54.1   | 30.9   | 13.9   | 9.3    | 7.7    | 9.3    | 10.8   | 7.7    | 3.1    | 0.0    |
| 51.0    | 85°   | 21.6   | 10.8   | 4.6    | 3.1    | 1.5    | 0.0    | 3.1    | 1.5    | 0.0    | 0.0    |
| 9.3     | 87.5° | 7.7    | 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°   |
|--------|
| 3057.1 |
| 2856.2 |
| 2391.0 |
| 1782.0 |
| 1202.4 |
| 973.7  |
| 949.0  |
| 935.1  |
| 913.4  |
| 891.8  |
| 877.9  |
| 867.0  |
| 856.2  |
| 845.4  |
| 837.7  |
| 828.4  |
| 799.0  |
| 734.1  |
| 649.1  |
| 561.0  |
| 482.2  |
| 412.7  |
| 355.5  |
| 301.4  |
| 251.9  |
| 197.8  |
| 151.5  |
| 128.3  |
| 105.1  |
| 80.4   |
| 51.0   |
| 24.7   |
| 4.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |