

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: P940987

Luminaire Tested: **GLAN-SB4B-760-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940987  
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-SB4B-760-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23892 lumens  
Efficiency: N/A  
Efficacy: 162.5 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): 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

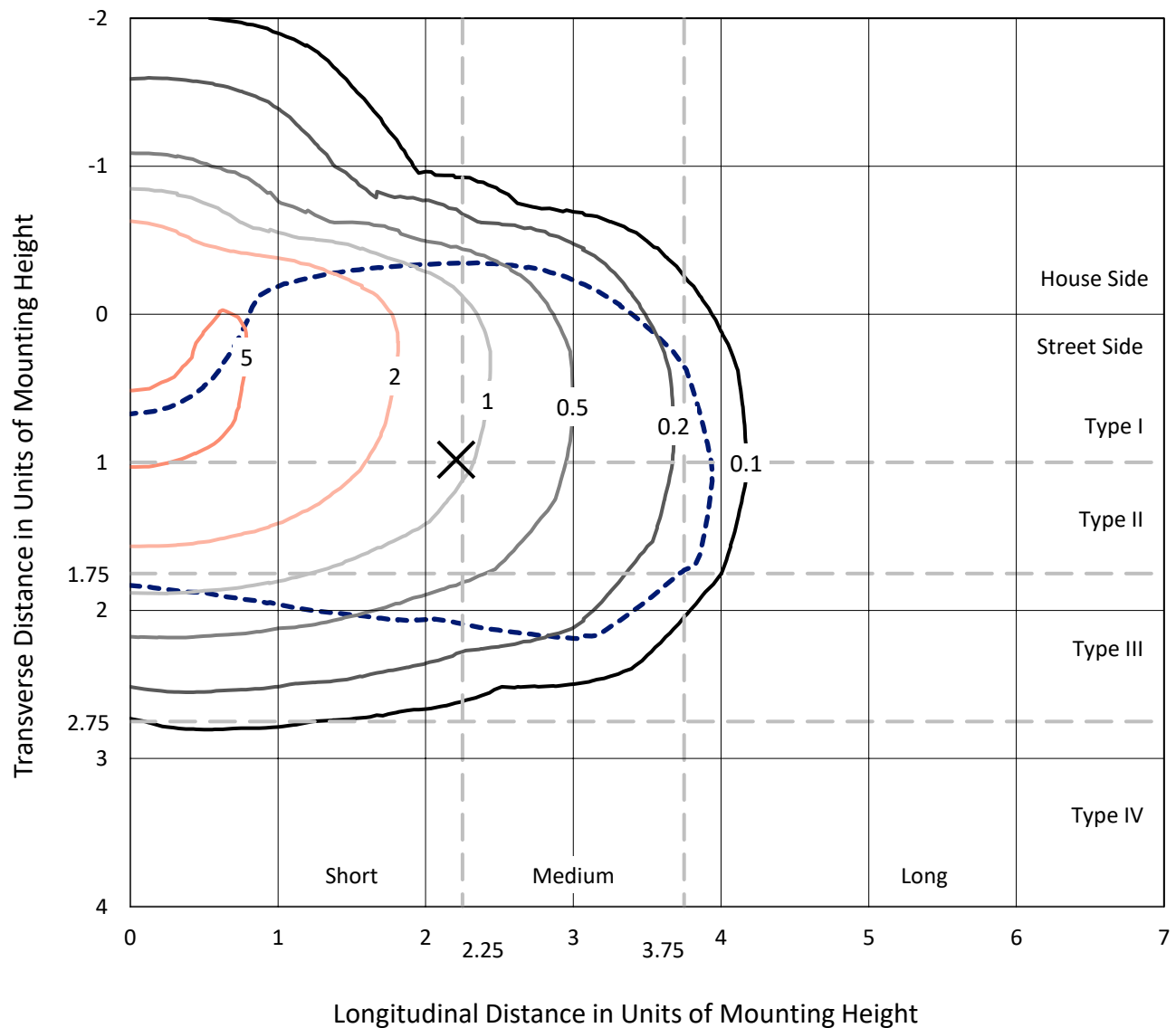


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## Iso-Footcandle Lines of Horizontal Illumination

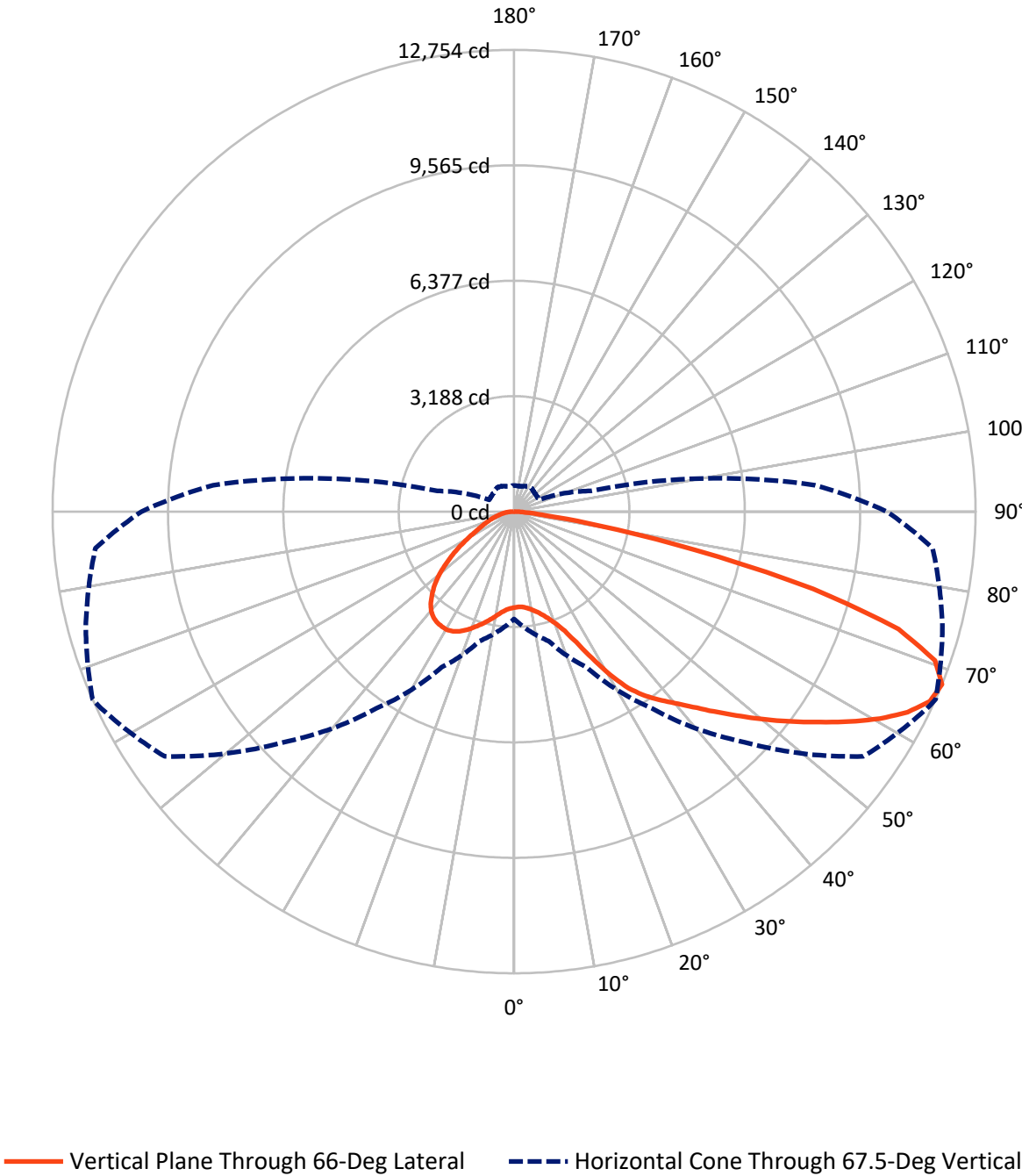
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
Type III - Short - N/A

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Luminous Intensity Polar Plot



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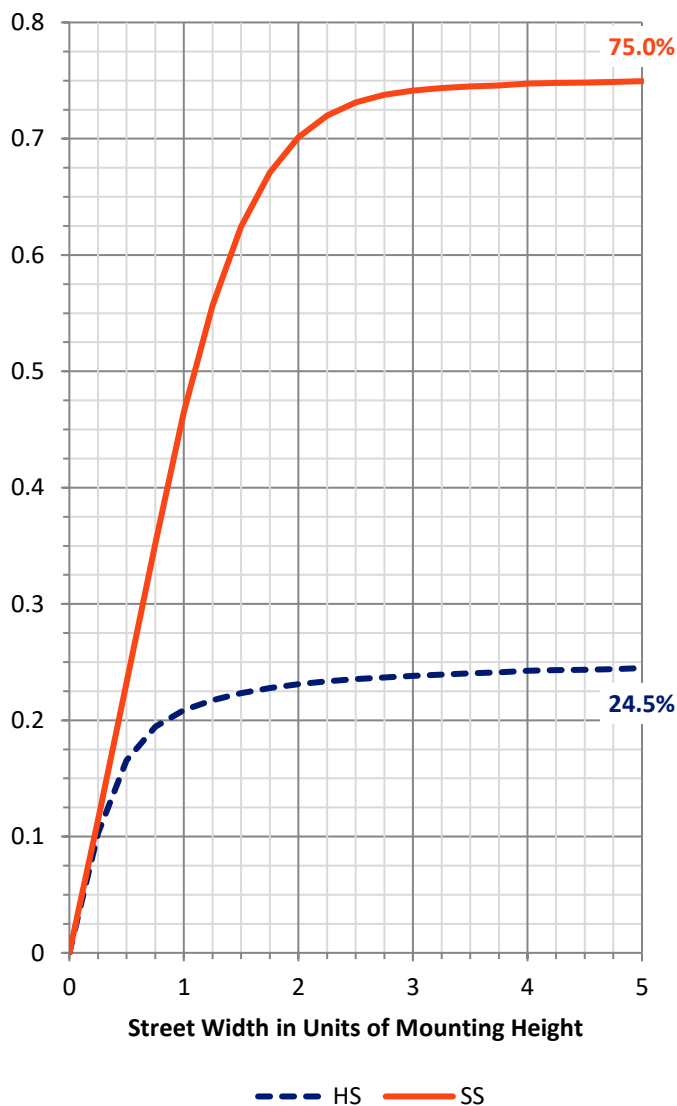
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5940.7   | 0.0    | 5940.7  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 17951.3  | 0.0    | 17951.3 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 23892.0  | 0.0    | 23892.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 262.7   | 1.1       |
| 10°-20°   | 868.0   | 3.6       |
| 20°-30°   | 1673.1  | 7.0       |
| 30°-40°   | 2933.5  | 12.3      |
| 40°-50°   | 4361.2  | 18.3      |
| 50°-60°   | 5528.2  | 23.1      |
| 60°-70°   | 5409.2  | 22.6      |
| 70°-80°   | 2580.3  | 10.8      |
| 80°-90°   | 275.8   | 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°    | 23892.0 | 100.0     |
| 0°-180°   | 23892.0 | 100.0     |

**Coefficient of Utilization**



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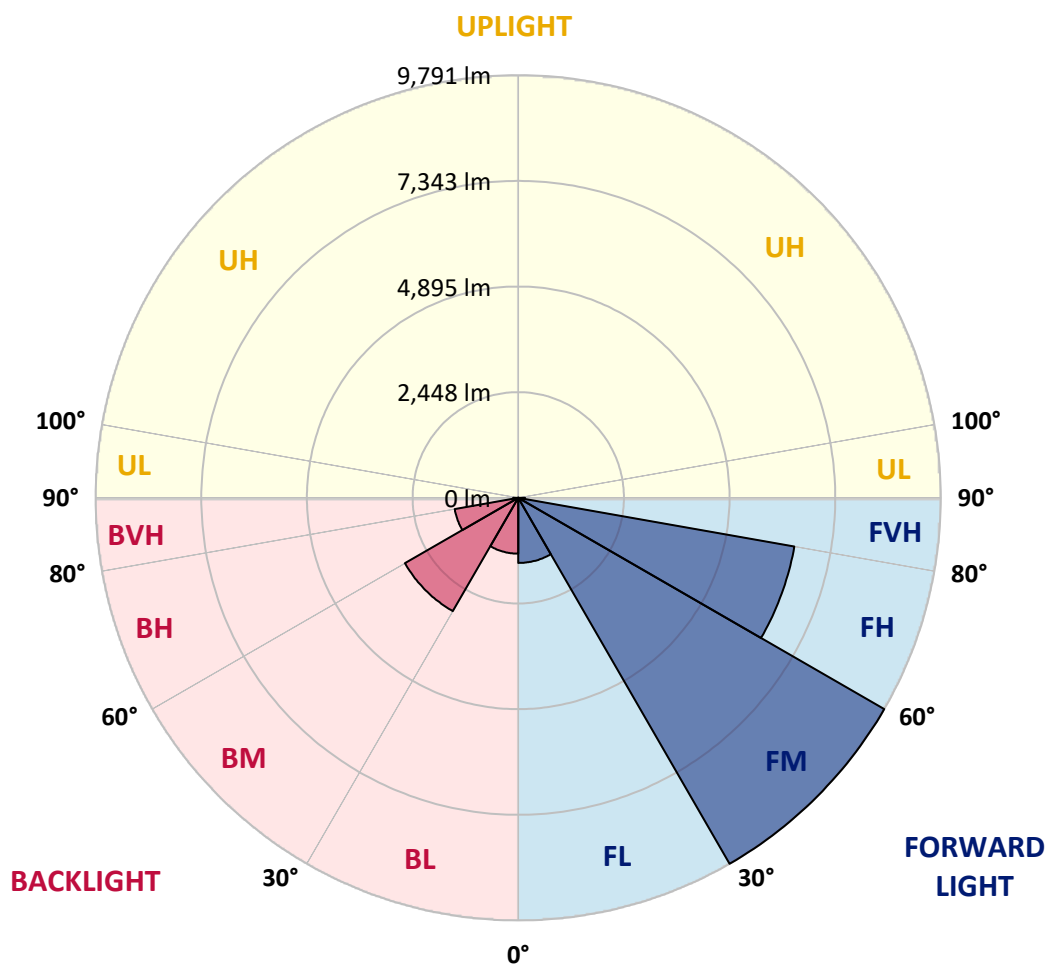
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1509.7 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 9790.7 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6494.5 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 156.3  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1294.1 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3032.2 | 12.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1495.0 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 119.4  | 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°    | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9  | 2649.9  | 2649.9  | 2649.9  | 2649.9  | 2649.9  |
| 2.5°  | 2622.3 | 2637.4 | 2633.6 | 2627.3 | 2626.1  | 2628.6  | 2632.4  | 2636.1  | 2634.9  | 2641.2  |
| 5°    | 2614.8 | 2629.9 | 2628.6 | 2628.6 | 2633.6  | 2643.7  | 2649.9  | 2656.2  | 2649.9  | 2657.5  |
| 7.5°  | 2619.8 | 2631.1 | 2636.1 | 2641.2 | 2653.7  | 2672.5  | 2687.6  | 2701.4  | 2693.9  | 2702.7  |
| 10°   | 2683.8 | 2692.6 | 2697.6 | 2697.6 | 2706.4  | 2727.8  | 2742.8  | 2767.9  | 2761.7  | 2775.5  |
| 12.5° | 2800.6 | 2809.4 | 2809.4 | 2804.3 | 2810.6  | 2824.4  | 2829.4  | 2857.1  | 2845.8  | 2868.4  |
| 15°   | 2943.7 | 2961.3 | 2947.4 | 2938.7 | 2941.2  | 2955.0  | 2953.7  | 2975.1  | 2963.8  | 2982.6  |
| 17.5° | 3101.8 | 3124.4 | 3101.8 | 3100.6 | 3095.6  | 3110.6  | 3111.9  | 3130.7  | 3110.6  | 3124.4  |
| 20°   | 3288.9 | 3320.3 | 3301.4 | 3307.7 | 3296.4  | 3302.7  | 3309.0  | 3336.6  | 3305.2  | 3315.2  |
| 22.5° | 3552.5 | 3590.2 | 3570.1 | 3593.9 | 3586.4  | 3581.4  | 3580.1  | 3629.1  | 3580.1  | 3583.9  |
| 25°   | 3936.6 | 3981.8 | 3946.7 | 3979.3 | 3979.3  | 3995.6  | 4014.4  | 4077.2  | 3995.6  | 3971.8  |
| 27.5° | 4504.0 | 4549.2 | 4480.2 | 4500.3 | 4494.0  | 4534.1  | 4514.1  | 4669.7  | 4581.8  | 4542.9  |
| 30°   | 5186.9 | 5267.2 | 5136.7 | 5131.7 | 5125.4  | 5189.4  | 5218.3  | 5321.2  | 5232.1  | 5193.2  |
| 32.5° | 5925.0 | 6009.1 | 5853.5 | 5808.3 | 5784.4  | 5823.3  | 5799.5  | 5882.3  | 5820.8  | 5760.6  |
| 35°   | 6705.8 | 6788.7 | 6640.5 | 6552.7 | 6457.3  | 6375.7  | 6290.3  | 6311.6  | 6253.9  | 6162.3  |
| 37.5° | 7443.9 | 7595.8 | 7438.9 | 7344.8 | 7169.0  | 7009.6  | 6771.1  | 6671.9  | 6617.9  | 6533.8  |
| 40°   | 8195.9 | 8282.5 | 8163.2 | 8082.9 | 7892.1  | 7642.3  | 7260.7  | 7051.0  | 6978.2  | 6896.6  |
| 42.5° | 8749.4 | 8832.3 | 8768.3 | 8713.0 | 8563.7  | 8273.7  | 7780.4  | 7518.0  | 7412.5  | 7320.9  |
| 45°   | 9188.8 | 9250.3 | 9210.1 | 9230.2 | 9166.2  | 8885.0  | 8318.9  | 8018.9  | 7909.6  | 7797.9  |
| 47.5° | 9365.8 | 9431.1 | 9495.1 | 9614.3 | 9723.6  | 9516.4  | 8897.6  | 8561.1  | 8445.7  | 8331.4  |
| 50°   | 9345.7 | 9412.2 | 9598.0 | 9851.6 | 10190.5 | 10121.5 | 9507.6  | 9138.6  | 9031.9  | 8901.3  |
| 52.5° | 9185.0 | 9260.3 | 9498.9 | 9920.6 | 10460.4 | 10574.6 | 10129.0 | 9734.9  | 9634.4  | 9478.8  |
| 55°   | 8763.3 | 8808.4 | 9166.2 | 9763.7 | 10524.4 | 10891.0 | 10737.8 | 10370.0 | 10269.6 | 10052.4 |
| 57.5° | 7981.2 | 8046.5 | 8567.4 | 9340.7 | 10363.8 | 11105.6 | 11272.6 | 11037.9 | 10941.2 | 10628.6 |
| 60°   | 6960.6 | 7064.8 | 7661.1 | 8630.2 | 9954.5  | 11104.4 | 11758.4 | 11694.4 | 11614.0 | 11196.0 |
| 62.5° | 5805.8 | 5926.3 | 6499.9 | 7625.9 | 9239.0  | 10789.3 | 12062.2 | 12244.2 | 12202.8 | 11719.5 |
| 65°   | 4458.8 | 4541.7 | 5112.8 | 6326.7 | 8125.6  | 10112.7 | 12097.3 | 12619.5 | 12627.1 | 12117.4 |
| 67.5° | 2968.8 | 3207.3 | 3703.1 | 4747.5 | 6634.3  | 9006.8  | 11788.5 | 12681.0 | 12753.8 | 12254.2 |
| 70°   | 1448.6 | 1762.4 | 2248.2 | 3085.5 | 4747.5  | 7310.9  | 10981.4 | 12176.4 | 12338.3 | 11855.1 |
| 72.5° | 601.3  | 703.0  | 967.8  | 1522.7 | 2725.3  | 4933.3  | 9359.5  | 10808.1 | 11108.2 | 10504.4 |
| 75°   | 405.5  | 439.4  | 553.6  | 780.8  | 1241.5  | 2432.8  | 6749.7  | 8059.0  | 8542.3  | 7933.5  |
| 77.5° | 312.6  | 333.9  | 403.0  | 546.1  | 738.1   | 920.1   | 3612.8  | 4856.8  | 5106.6  | 4727.5  |
| 80°   | 246.0  | 262.4  | 301.3  | 397.9  | 523.5   | 492.1   | 1231.4  | 2200.5  | 2344.9  | 1967.1  |
| 82.5° | 213.4  | 219.7  | 215.9  | 269.9  | 347.7   | 287.5   | 404.2   | 812.2   | 896.3   | 650.2   |
| 85°   | 154.4  | 172.0  | 179.5  | 167.0  | 184.5   | 145.6   | 165.7   | 287.5   | 316.3   | 282.4   |
| 87.5° | 62.8   | 92.9   | 114.2  | 108.0  | 67.8    | 41.4    | 51.5    | 84.1    | 96.7    | 105.4   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2649.9  | 0°    | 2649.9  | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9 | 2649.9 |
| 2651.2  | 2.5°  | 2652.4  | 2661.2 | 2667.5 | 2675.0 | 2680.1 | 2687.6 | 2702.7 | 2711.4 | 2712.7 | 2719.0 |
| 2671.3  | 5°    | 2676.3  | 2688.9 | 2702.7 | 2722.7 | 2745.3 | 2764.2 | 2793.0 | 2813.1 | 2820.7 | 2826.9 |
| 2720.2  | 7.5°  | 2727.8  | 2745.3 | 2770.4 | 2805.6 | 2838.2 | 2863.3 | 2898.5 | 2922.3 | 2946.2 | 2955.0 |
| 2798.1  | 10°   | 2804.3  | 2829.4 | 2865.9 | 2913.6 | 2948.7 | 2981.3 | 3017.7 | 3037.8 | 3061.7 | 3071.7 |
| 2891.0  | 12.5° | 2899.7  | 2926.1 | 2973.8 | 3040.3 | 3073.0 | 3095.6 | 3108.1 | 3103.1 | 3108.1 | 3116.9 |
| 3002.7  | 15°   | 3009.0  | 3037.8 | 3091.8 | 3163.4 | 3186.0 | 3165.9 | 3138.3 | 3113.1 | 3109.4 | 3111.9 |
| 3138.3  | 17.5° | 3138.3  | 3159.6 | 3222.4 | 3282.6 | 3266.3 | 3183.4 | 3123.2 | 3083.0 | 3062.9 | 3056.7 |
| 3311.5  | 20°   | 3319.0  | 3319.0 | 3370.5 | 3408.1 | 3298.9 | 3158.3 | 3064.2 | 2998.9 | 2957.5 | 2939.9 |
| 3547.5  | 22.5° | 3538.7  | 3518.6 | 3551.2 | 3524.9 | 3292.7 | 3088.0 | 2957.5 | 2844.5 | 2781.7 | 2756.6 |
| 3877.6  | 25°   | 3817.4  | 3793.5 | 3784.7 | 3621.5 | 3247.5 | 2976.3 | 2764.2 | 2627.3 | 2572.1 | 2558.3 |
| 4353.4  | 27.5° | 4237.9  | 4177.6 | 4063.4 | 3674.3 | 3164.6 | 2800.6 | 2538.2 | 2411.4 | 2380.0 | 2381.3 |
| 4964.7  | 30°   | 4797.8  | 4677.2 | 4397.3 | 3683.1 | 3029.0 | 2552.0 | 2307.2 | 2216.9 | 2201.8 | 2208.1 |
| 5478.1  | 32.5° | 5316.2  | 5202.0 | 4738.8 | 3642.9 | 2820.7 | 2308.5 | 2100.1 | 2039.9 | 2017.3 | 2024.8 |
| 5869.8  | 35°   | 5722.9  | 5691.5 | 5055.1 | 3586.4 | 2564.6 | 2080.0 | 1914.3 | 1862.9 | 1818.9 | 1808.9 |
| 6238.8  | 37.5° | 6107.0  | 6094.5 | 5292.3 | 3507.3 | 2311.0 | 1918.1 | 1765.0 | 1697.2 | 1633.1 | 1598.0 |
| 6646.8  | 40°   | 6528.8  | 6516.3 | 5448.0 | 3385.5 | 2086.3 | 1777.5 | 1630.6 | 1541.5 | 1462.4 | 1398.4 |
| 7108.8  | 42.5° | 7003.3  | 6929.3 | 5522.1 | 3211.1 | 1895.5 | 1658.3 | 1521.4 | 1400.9 | 1296.7 | 1237.7 |
| 7631.0  | 45°   | 7521.8  | 7354.8 | 5520.8 | 2988.9 | 1734.8 | 1549.0 | 1404.7 | 1234.0 | 1137.3 | 1082.1 |
| 8167.0  | 47.5° | 8071.6  | 7761.5 | 5453.0 | 2742.8 | 1579.2 | 1428.5 | 1223.9 | 1093.4 | 1029.3 | 995.5  |
| 8749.4  | 50°   | 8639.0  | 8141.9 | 5337.5 | 2460.4 | 1419.7 | 1291.7 | 1110.9 | 1021.8 | 972.9  | 941.5  |
| 9326.9  | 52.5° | 9172.5  | 8487.1 | 5198.2 | 2140.3 | 1257.8 | 1158.6 | 1060.7 | 991.7  | 940.2  | 905.1  |
| 9886.7  | 55°   | 9668.3  | 8784.6 | 5001.1 | 1812.7 | 1126.0 | 1069.5 | 1036.9 | 979.1  | 920.1  | 878.7  |
| 10455.4 | 57.5° | 10108.9 | 8977.9 | 4660.9 | 1505.1 | 1031.9 | 1008.0 | 1011.8 | 957.8  | 890.0  | 854.9  |
| 11015.3 | 60°   | 10475.5 | 9119.8 | 4157.6 | 1220.2 | 955.3  | 947.8  | 972.9  | 917.6  | 838.5  | 798.4  |
| 11488.5 | 62.5° | 10695.2 | 9117.2 | 3539.9 | 999.2  | 890.0  | 892.5  | 921.4  | 867.4  | 787.1  | 749.4  |
| 11735.8 | 65°   | 10676.3 | 8893.8 | 2862.1 | 854.9  | 827.2  | 829.8  | 867.4  | 812.2  | 744.4  | 721.8  |
| 11611.5 | 67.5° | 10298.5 | 8349.0 | 2195.5 | 760.7  | 758.2  | 769.5  | 813.4  | 774.5  | 718.0  | 715.5  |
| 10870.9 | 70°   | 9275.4  | 7218.0 | 1581.7 | 685.4  | 686.6  | 703.0  | 760.7  | 750.7  | 704.2  | 709.2  |
| 9139.8  | 72.5° | 7437.7  | 5503.2 | 1062.0 | 606.3  | 607.6  | 633.9  | 710.5  | 731.8  | 690.4  | 756.9  |
| 6484.9  | 75°   | 4953.4  | 3432.0 | 682.9  | 522.2  | 523.5  | 557.4  | 666.6  | 695.4  | 652.8  | 754.4  |
| 3374.2  | 77.5° | 2380.0  | 1542.8 | 494.6  | 439.4  | 439.4  | 470.7  | 576.2  | 622.6  | 556.1  | 586.2  |
| 1084.6  | 80°   | 822.2   | 579.9  | 389.1  | 354.0  | 346.5  | 367.8  | 485.8  | 539.8  | 479.5  | 441.9  |
| 354.0   | 82.5° | 323.9   | 301.3  | 312.6  | 274.9  | 249.8  | 263.6  | 377.8  | 445.6  | 352.7  | 318.8  |
| 199.6   | 85°   | 185.8   | 195.8  | 220.9  | 182.0  | 144.4  | 161.9  | 277.4  | 320.1  | 266.1  | 234.7  |
| 65.3    | 87.5° | 50.2    | 69.0   | 101.7  | 94.1   | 65.3   | 69.0   | 131.8  | 177.0  | 153.1  | 118.0  |
| 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°   |
|--------|
| 2649.9 |
| 2717.7 |
| 2825.7 |
| 2956.2 |
| 3076.7 |
| 3119.4 |
| 3120.7 |
| 3065.4 |
| 2936.1 |
| 2752.9 |
| 2560.8 |
| 2385.1 |
| 2229.4 |
| 2034.8 |
| 1816.4 |
| 1599.3 |
| 1404.7 |
| 1241.5 |
| 1079.6 |
| 987.9  |
| 930.2  |
| 890.0  |
| 862.4  |
| 832.3  |
| 780.8  |
| 738.1  |
| 720.5  |
| 719.3  |
| 708.0  |
| 767.0  |
| 760.7  |
| 537.3  |
| 414.2  |
| 317.6  |
| 239.8  |
| 121.8  |
| 0.0    |