

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: P943599

Luminaire Tested: **GLAN-SB8A-927-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21822 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 227.1  
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



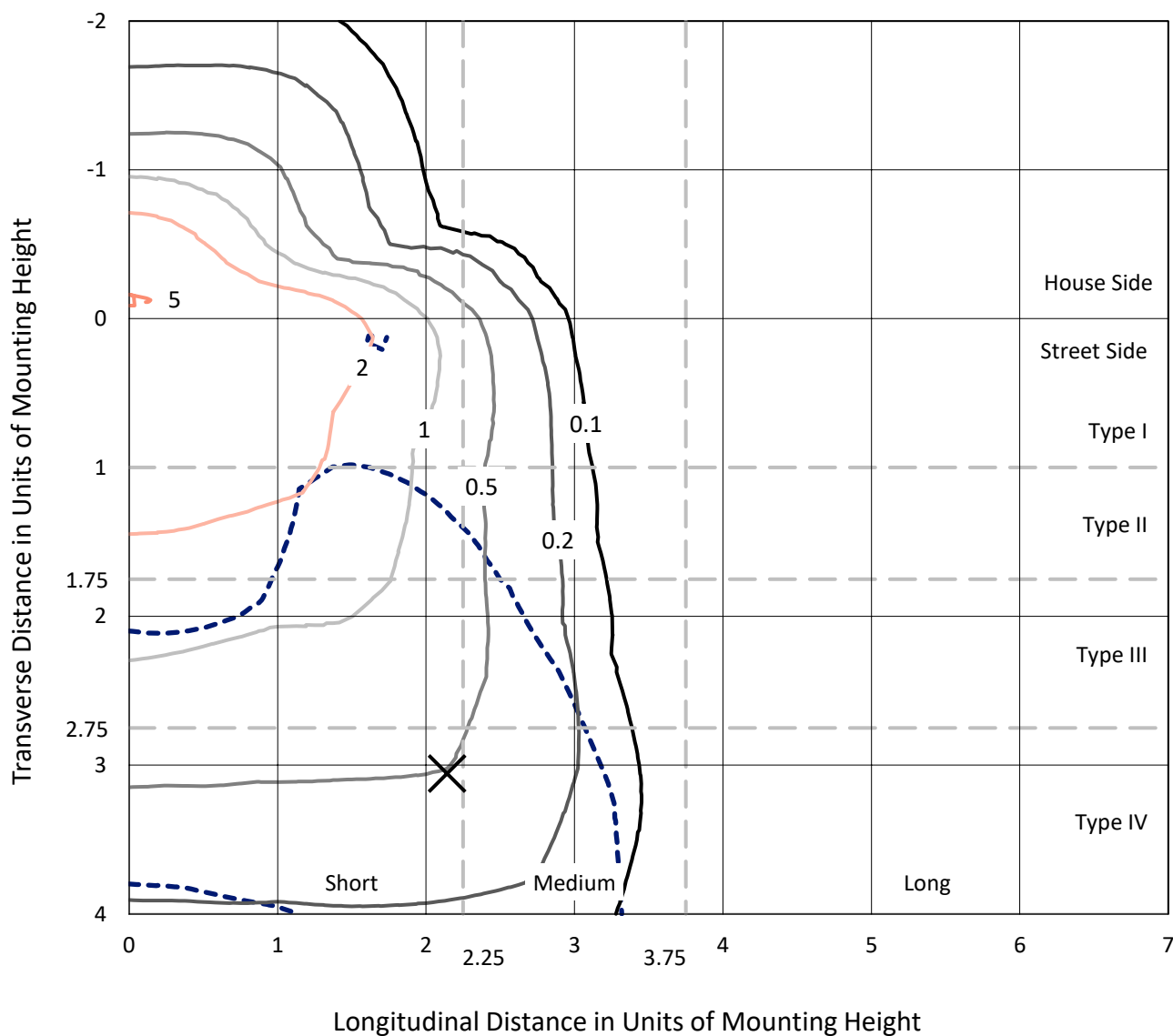
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

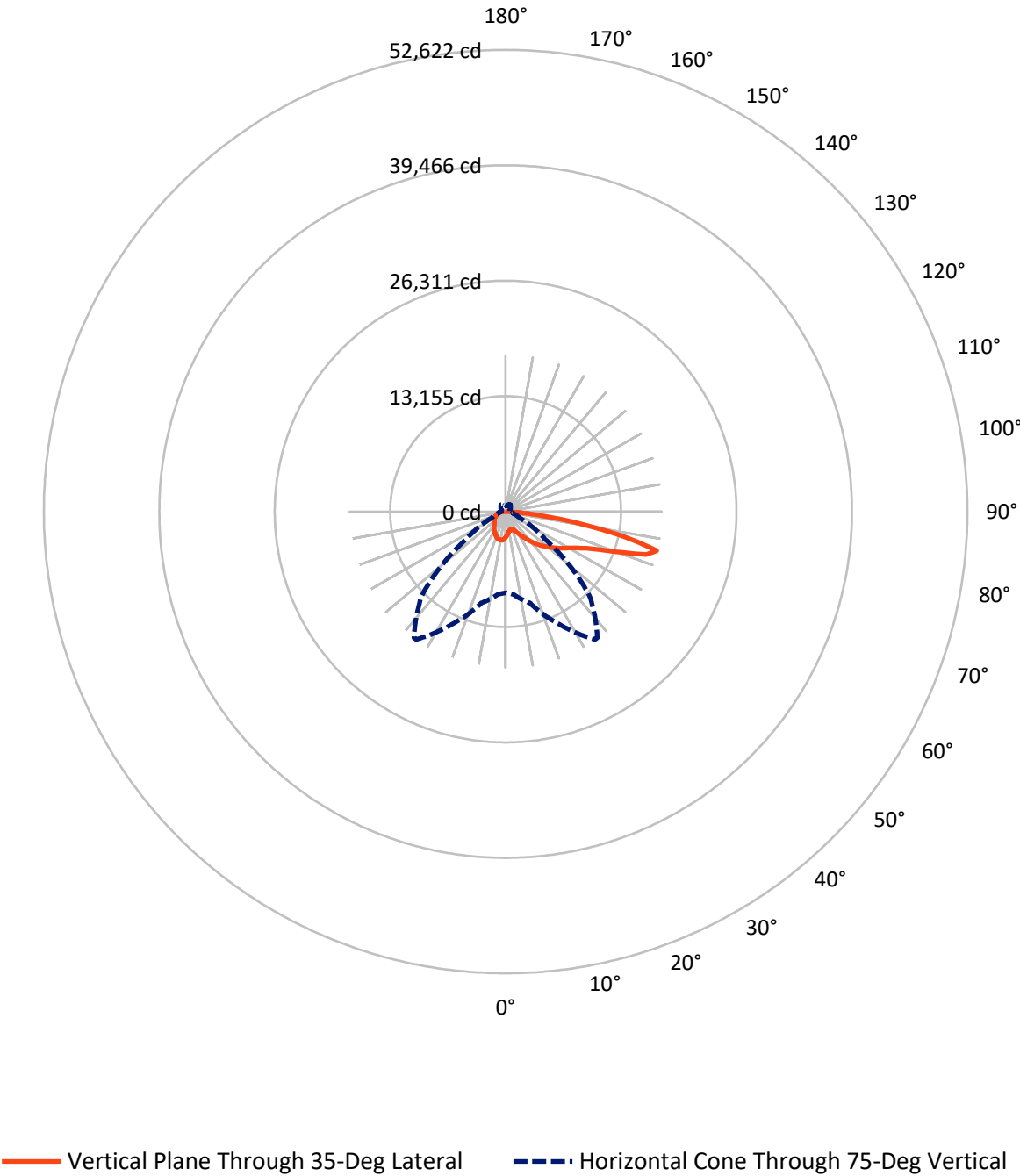


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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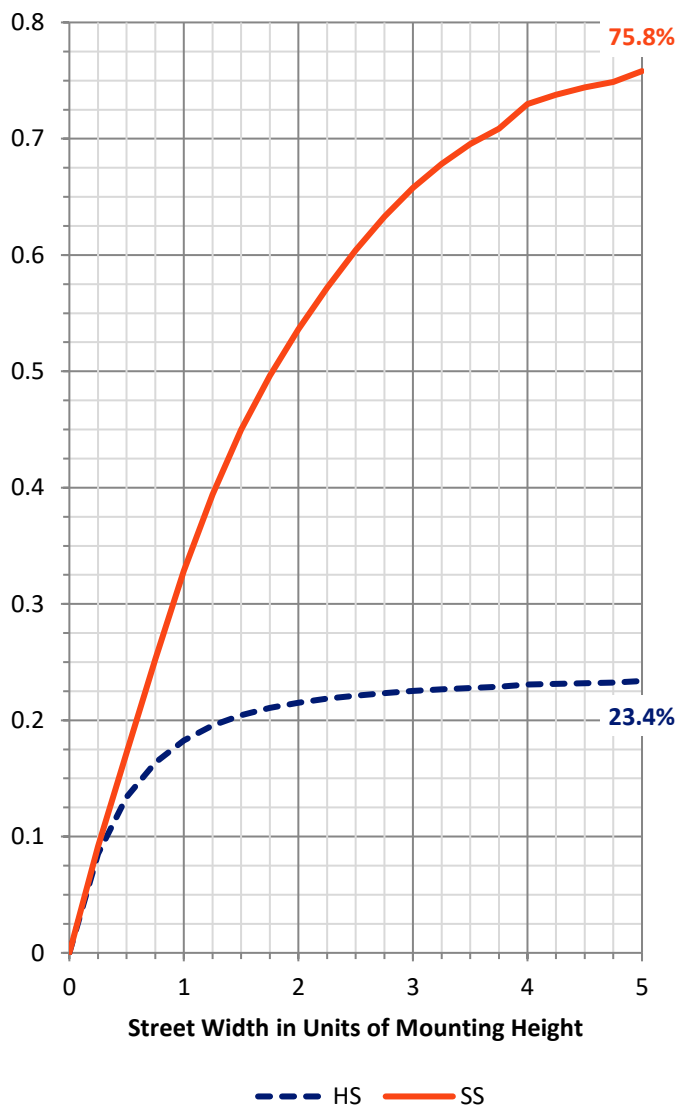
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5193.1   | 0.0    | 5193.1  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 16628.9  | 0.0    | 16628.9 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 21822.0  | 0.0    | 21822.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 275.3   | 1.3       |
| 10°-20°   | 794.2   | 3.6       |
| 20°-30°   | 1333.6  | 6.1       |
| 30°-40°   | 2072.6  | 9.5       |
| 40°-50°   | 3076.3  | 14.1      |
| 50°-60°   | 4247.0  | 19.5      |
| 60°-70°   | 5152.5  | 23.6      |
| 70°-80°   | 4258.2  | 19.5      |
| 80°-90°   | 612.5   | 2.8       |
| 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°    | 21822.0 | 100.0     |
| 0°-180°   | 21822.0 | 100.0     |

**Coefficient of Utilization**



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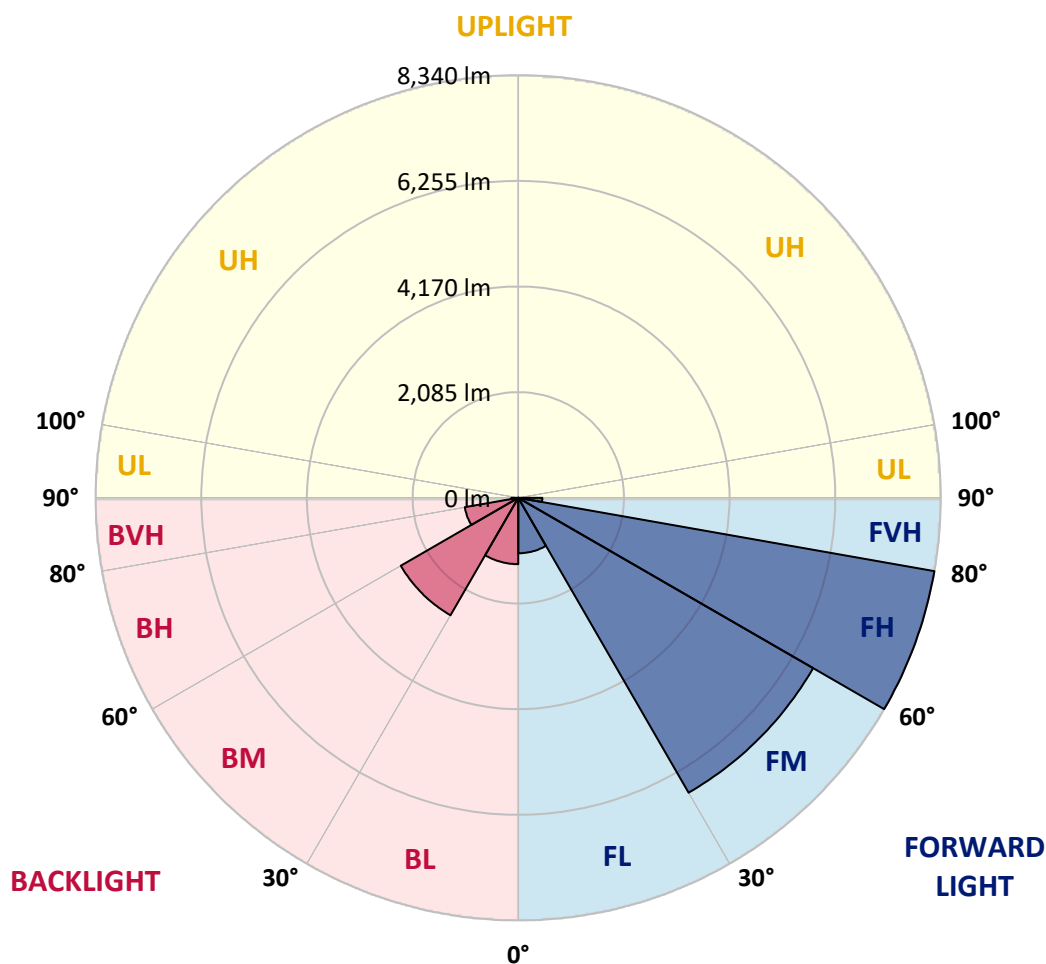
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1094.3 | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 6720.0 | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 8340.0 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 474.5  | 2.2       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1308.7 | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2675.8 | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1070.7 | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 137.9  | 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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°    | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2907.9  | 2907.9  | 2907.9  | 2907.9  | 2907.9  | 2907.9  | 2907.9  | 2907.9 | 2907.9 | 2907.9 |
| 2.5°  | 2681.4  | 2697.9  | 2705.0  | 2701.5  | 2719.2  | 2716.8  | 2741.6  | 2772.3 | 2814.7 | 2856.0 |
| 5°    | 2475.0  | 2492.7  | 2508.0  | 2522.2  | 2556.4  | 2567.0  | 2605.9  | 2664.9 | 2742.8 | 2821.8 |
| 7.5°  | 2282.7  | 2298.0  | 2321.6  | 2347.6  | 2405.4  | 2416.0  | 2480.9  | 2572.9 | 2681.4 | 2797.0 |
| 10°   | 2125.8  | 2141.1  | 2165.9  | 2195.4  | 2267.4  | 2280.3  | 2362.9  | 2485.6 | 2627.2 | 2773.4 |
| 12.5° | 2058.6  | 2063.3  | 2077.4  | 2106.9  | 2169.4  | 2177.7  | 2268.5  | 2408.9 | 2574.1 | 2755.7 |
| 15°   | 2055.0  | 2064.5  | 2065.6  | 2081.0  | 2132.9  | 2136.4  | 2220.2  | 2359.4 | 2541.0 | 2752.2 |
| 17.5° | 2090.4  | 2097.5  | 2086.9  | 2096.3  | 2140.0  | 2145.9  | 2211.9  | 2335.8 | 2530.4 | 2767.5 |
| 20°   | 2184.8  | 2190.7  | 2158.8  | 2145.9  | 2177.7  | 2182.4  | 2247.3  | 2351.1 | 2541.0 | 2799.4 |
| 22.5° | 2385.3  | 2388.9  | 2311.0  | 2257.9  | 2260.3  | 2262.6  | 2319.3  | 2413.6 | 2582.3 | 2857.2 |
| 25°   | 2697.9  | 2695.6  | 2571.7  | 2469.1  | 2410.1  | 2397.1  | 2434.9  | 2515.1 | 2651.9 | 2933.9 |
| 27.5° | 3063.6  | 3046.0  | 2922.1  | 2768.7  | 2640.1  | 2621.3  | 2613.0  | 2647.2 | 2751.0 | 3035.3 |
| 30°   | 3476.5  | 3460.0  | 3326.7  | 3126.2  | 2948.0  | 2917.4  | 2839.5  | 2821.8 | 2898.5 | 3173.4 |
| 32.5° | 3929.5  | 3918.9  | 3759.7  | 3516.6  | 3278.4  | 3243.0  | 3112.0  | 3064.8 | 3125.0 | 3382.2 |
| 35°   | 4309.4  | 4300.0  | 4167.8  | 3917.7  | 3626.4  | 3582.7  | 3449.4  | 3396.3 | 3427.0 | 3650.0 |
| 37.5° | 4652.7  | 4648.0  | 4534.7  | 4337.7  | 4036.9  | 3983.8  | 3834.0  | 3816.3 | 3810.4 | 4002.7 |
| 40°   | 4971.2  | 4959.4  | 4841.4  | 4737.6  | 4514.7  | 4466.3  | 4334.2  | 4318.8 | 4274.0 | 4436.8 |
| 42.5° | 5323.9  | 5293.3  | 5122.2  | 5073.8  | 5013.7  | 4973.6  | 4894.5  | 4896.9 | 4797.8 | 4926.4 |
| 45°   | 5611.8  | 5594.1  | 5418.3  | 5390.0  | 5454.9  | 5438.4  | 5506.8  | 5524.5 | 5332.2 | 5439.5 |
| 47.5° | 5920.9  | 5904.3  | 5755.7  | 5735.6  | 5911.4  | 5916.1  | 6158.0  | 6163.9 | 5853.6 | 5972.8 |
| 50°   | 6301.9  | 6278.3  | 6130.8  | 6155.6  | 6352.6  | 6370.3  | 6812.7  | 6772.6 | 6333.7 | 6514.2 |
| 52.5° | 6553.2  | 6567.3  | 6535.5  | 6575.6  | 6844.5  | 6861.1  | 7456.8  | 7354.2 | 6809.2 | 7048.6 |
| 55°   | 6738.4  | 6766.7  | 6865.8  | 6957.8  | 7363.6  | 7380.1  | 8064.3  | 7907.4 | 7203.2 | 7544.1 |
| 57.5° | 6976.7  | 6936.6  | 7121.8  | 7301.1  | 7856.7  | 7900.4  | 8655.4  | 8440.7 | 7552.4 | 7971.1 |
| 60°   | 7318.8  | 7290.5  | 7434.4  | 7699.8  | 8408.8  | 8478.4  | 9280.6  | 8920.8 | 7808.4 | 8309.7 |
| 62.5° | 8012.4  | 7941.7  | 7964.1  | 8198.8  | 9104.8  | 9196.8  | 9986.1  | 9339.6 | 7935.8 | 8441.8 |
| 65°   | 9049.4  | 8927.9  | 8814.6  | 8977.4  | 10085.1 | 10176.0 | 10782.3 | 9668.7 | 7888.6 | 8185.8 |
| 67.5° | 10355.3 | 10235.0 | 10095.8 | 10249.1 | 11529.1 | 11601.0 | 11765.0 | 9853.9 | 7517.0 | 7199.6 |
| 70°   | 11432.3 | 11387.5 | 11553.9 | 12185.0 | 13835.4 | 13837.7 | 13024.9 | 9700.6 | 6498.9 | 5104.5 |
| 72.5° | 11289.6 | 11262.5 | 12139.0 | 14090.2 | 16742.1 | 16679.6 | 14217.6 | 8539.8 | 4377.8 | 2302.7 |
| 75°   | 9261.7  | 9437.5  | 10795.3 | 14056.0 | 17786.1 | 17777.9 | 13487.4 | 5428.9 | 1810.8 | 954.4  |
| 77.5° | 4966.5  | 5244.9  | 7008.5  | 10377.7 | 13884.9 | 14093.7 | 9482.3  | 1899.3 | 777.4  | 611.1  |
| 80°   | 1619.7  | 1862.7  | 2793.5  | 5283.8  | 9022.2  | 8983.3  | 4064.0  | 745.6  | 532.0  | 432.9  |
| 82.5° | 687.8   | 716.1   | 1248.1  | 2495.0  | 4630.3  | 4558.3  | 1294.1  | 428.2  | 374.0  | 296.1  |
| 85°   | 269.0   | 300.8   | 550.9   | 1153.7  | 2005.5  | 1961.8  | 467.2   | 212.3  | 239.5  | 193.5  |
| 87.5° | 88.5    | 107.4   | 197.0   | 395.2   | 624.1   | 601.6   | 114.4   | 73.1   | 103.8  | 88.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2907.9 | 0°    | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 | 2907.9 |
| 2916.2 | 2.5°  | 2932.7 | 2951.6 | 2974.0 | 3007.0 | 3035.3 | 3058.9 | 3083.7 | 3099.0 | 3104.9 | 3122.6 |
| 2920.9 | 5°    | 2953.9 | 2995.2 | 3050.7 | 3104.9 | 3158.0 | 3189.9 | 3218.2 | 3232.3 | 3245.3 | 3254.8 |
| 2933.9 | 7.5°  | 2989.3 | 3042.4 | 3129.7 | 3200.5 | 3245.3 | 3271.3 | 3290.1 | 3285.4 | 3290.1 | 3292.5 |
| 2948.0 | 10°   | 3020.0 | 3094.3 | 3198.1 | 3265.4 | 3299.6 | 3300.8 | 3296.0 | 3279.5 | 3271.3 | 3272.5 |
| 2969.3 | 12.5° | 3056.6 | 3139.1 | 3251.2 | 3307.8 | 3317.3 | 3291.3 | 3271.3 | 3243.0 | 3232.3 | 3227.6 |
| 3001.1 | 15°   | 3106.1 | 3200.5 | 3309.0 | 3330.3 | 3306.7 | 3273.6 | 3239.4 | 3193.4 | 3169.8 | 3150.9 |
| 3055.4 | 17.5° | 3166.3 | 3270.1 | 3353.9 | 3338.5 | 3287.8 | 3233.5 | 3178.1 | 3108.5 | 3060.1 | 3040.1 |
| 3129.7 | 20°   | 3250.0 | 3343.2 | 3388.1 | 3320.8 | 3244.1 | 3161.6 | 3067.2 | 2982.2 | 2937.4 | 2917.4 |
| 3224.1 | 22.5° | 3351.5 | 3441.1 | 3421.1 | 3290.1 | 3181.6 | 3049.5 | 2931.5 | 2869.0 | 2846.6 | 2832.4 |
| 3345.6 | 25°   | 3473.0 | 3549.7 | 3444.7 | 3245.3 | 3079.0 | 2900.9 | 2810.0 | 2790.0 | 2779.3 | 2768.7 |
| 3494.2 | 27.5° | 3631.1 | 3672.4 | 3462.4 | 3179.3 | 2918.5 | 2742.8 | 2709.7 | 2713.3 | 2709.7 | 2692.0 |
| 3700.7 | 30°   | 3839.9 | 3831.6 | 3478.9 | 3071.9 | 2734.5 | 2600.0 | 2602.4 | 2617.7 | 2620.1 | 2608.3 |
| 3988.5 | 32.5° | 4114.7 | 4031.0 | 3487.2 | 2932.7 | 2558.7 | 2475.0 | 2477.3 | 2493.9 | 2505.7 | 2485.6 |
| 4364.8 | 35°   | 4447.4 | 4263.4 | 3474.2 | 2758.1 | 2423.1 | 2355.8 | 2338.1 | 2342.9 | 2346.4 | 2327.5 |
| 4821.4 | 37.5° | 4835.5 | 4524.1 | 3416.4 | 2564.6 | 2311.0 | 2239.0 | 2201.3 | 2169.4 | 2150.6 | 2132.9 |
| 5338.1 | 40°   | 5261.4 | 4808.4 | 3310.2 | 2375.9 | 2186.0 | 2115.2 | 2058.6 | 1998.4 | 1934.7 | 1911.1 |
| 5885.5 | 42.5° | 5707.3 | 5101.0 | 3181.6 | 2195.4 | 2042.0 | 1984.2 | 1924.1 | 1836.8 | 1741.2 | 1692.9 |
| 6454.1 | 45°   | 6169.8 | 5400.6 | 3055.4 | 2017.3 | 1894.6 | 1869.8 | 1800.2 | 1695.2 | 1591.4 | 1530.1 |
| 7023.9 | 47.5° | 6622.8 | 5683.7 | 2870.2 | 1838.0 | 1756.6 | 1783.7 | 1729.4 | 1632.7 | 1517.1 | 1420.3 |
| 7588.9 | 50°   | 7055.7 | 5949.2 | 2567.0 | 1656.3 | 1644.5 | 1757.7 | 1705.8 | 1566.6 | 1434.5 | 1310.6 |
| 8143.4 | 52.5° | 7485.1 | 6163.9 | 2178.9 | 1491.1 | 1584.3 | 1750.7 | 1675.2 | 1521.8 | 1360.2 | 1230.4 |
| 8664.8 | 55°   | 7849.6 | 6274.8 | 1804.9 | 1349.6 | 1497.0 | 1690.5 | 1638.6 | 1468.7 | 1255.2 | 1117.2 |
| 9022.2 | 57.5° | 8057.3 | 6185.1 | 1493.5 | 1210.4 | 1376.7 | 1591.4 | 1576.1 | 1355.5 | 1130.1 | 1024.0 |
| 9091.8 | 60°   | 7967.6 | 5821.8 | 1238.7 | 1088.9 | 1262.3 | 1484.0 | 1467.5 | 1243.4 | 1034.6 | 934.3  |
| 8719.1 | 62.5° | 7473.3 | 5129.3 | 1036.9 | 982.7  | 1158.5 | 1374.3 | 1359.0 | 1157.3 | 961.4  | 864.7  |
| 7729.3 | 65°   | 6477.7 | 4172.6 | 880.0  | 894.2  | 1053.5 | 1242.2 | 1264.6 | 1085.3 | 903.6  | 809.3  |
| 5979.8 | 67.5° | 4940.5 | 3022.4 | 757.4  | 817.5  | 950.8  | 1112.4 | 1177.3 | 1033.4 | 855.3  | 765.6  |
| 3460.0 | 70°   | 2815.9 | 1716.4 | 653.5  | 743.2  | 860.0  | 992.1  | 1110.1 | 992.1  | 803.4  | 729.0  |
| 1296.5 | 72.5° | 1067.6 | 788.0  | 565.1  | 668.9  | 772.7  | 890.7  | 1035.8 | 927.2  | 743.2  | 687.8  |
| 670.1  | 75°   | 569.8  | 480.1  | 475.4  | 581.6  | 672.4  | 791.6  | 942.6  | 863.5  | 698.4  | 726.7  |
| 463.6  | 77.5° | 388.1  | 339.7  | 397.6  | 497.8  | 562.7  | 681.9  | 843.5  | 766.8  | 605.2  | 602.8  |
| 320.9  | 80°   | 269.0  | 240.7  | 323.2  | 401.1  | 435.3  | 573.3  | 736.1  | 658.3  | 493.1  | 460.1  |
| 198.2  | 82.5° | 161.6  | 156.9  | 241.8  | 299.6  | 307.9  | 442.4  | 609.9  | 552.1  | 403.5  | 351.5  |
| 118.0  | 85°   | 88.5   | 93.2   | 154.5  | 175.8  | 179.3  | 309.1  | 477.8  | 427.0  | 310.3  | 260.7  |
| 42.5   | 87.5° | 24.8   | 31.9   | 56.6   | 69.6   | 86.1   | 160.4  | 284.3  | 253.6  | 155.7  | 108.5  |
| 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°   |
|--------|
| 2907.9 |
| 3121.5 |
| 3257.1 |
| 3296.0 |
| 3274.8 |
| 3225.3 |
| 3156.8 |
| 3041.2 |
| 2915.0 |
| 2834.8 |
| 2768.7 |
| 2695.6 |
| 2614.2 |
| 2495.0 |
| 2340.5 |
| 2144.7 |
| 1921.7 |
| 1698.7 |
| 1525.3 |
| 1409.7 |
| 1300.0 |
| 1216.3 |
| 1105.4 |
| 1009.8 |
| 920.2  |
| 849.4  |
| 793.9  |
| 751.5  |
| 719.6  |
| 678.3  |
| 750.3  |
| 555.6  |
| 440.0  |
| 353.9  |
| 263.1  |
| 108.5  |
| 0.0    |