

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: P948441

Luminaire Tested: **GLAN-SB3C-727-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-727-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20801 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 149.1  
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

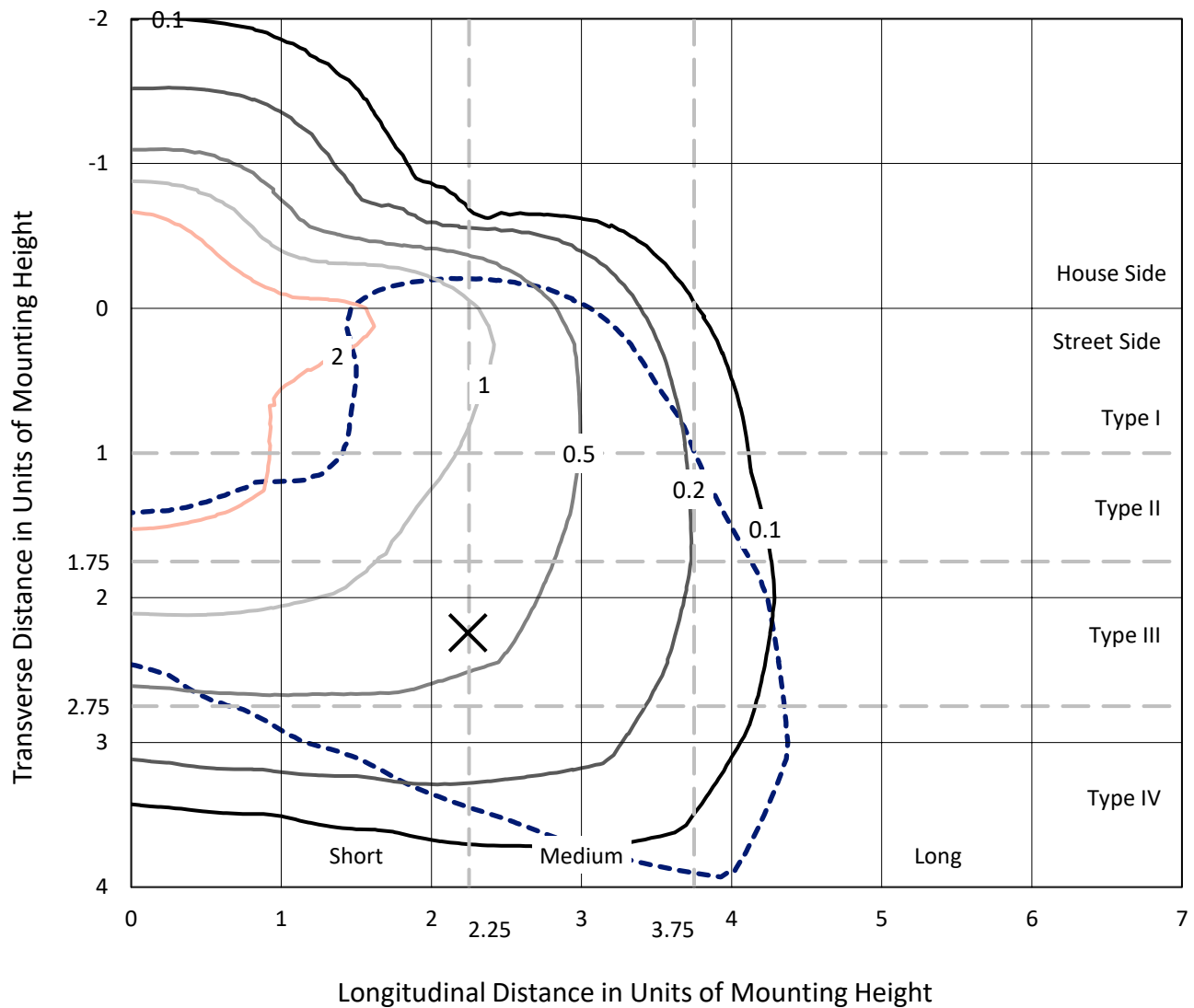


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 --- 1/2 Max cd

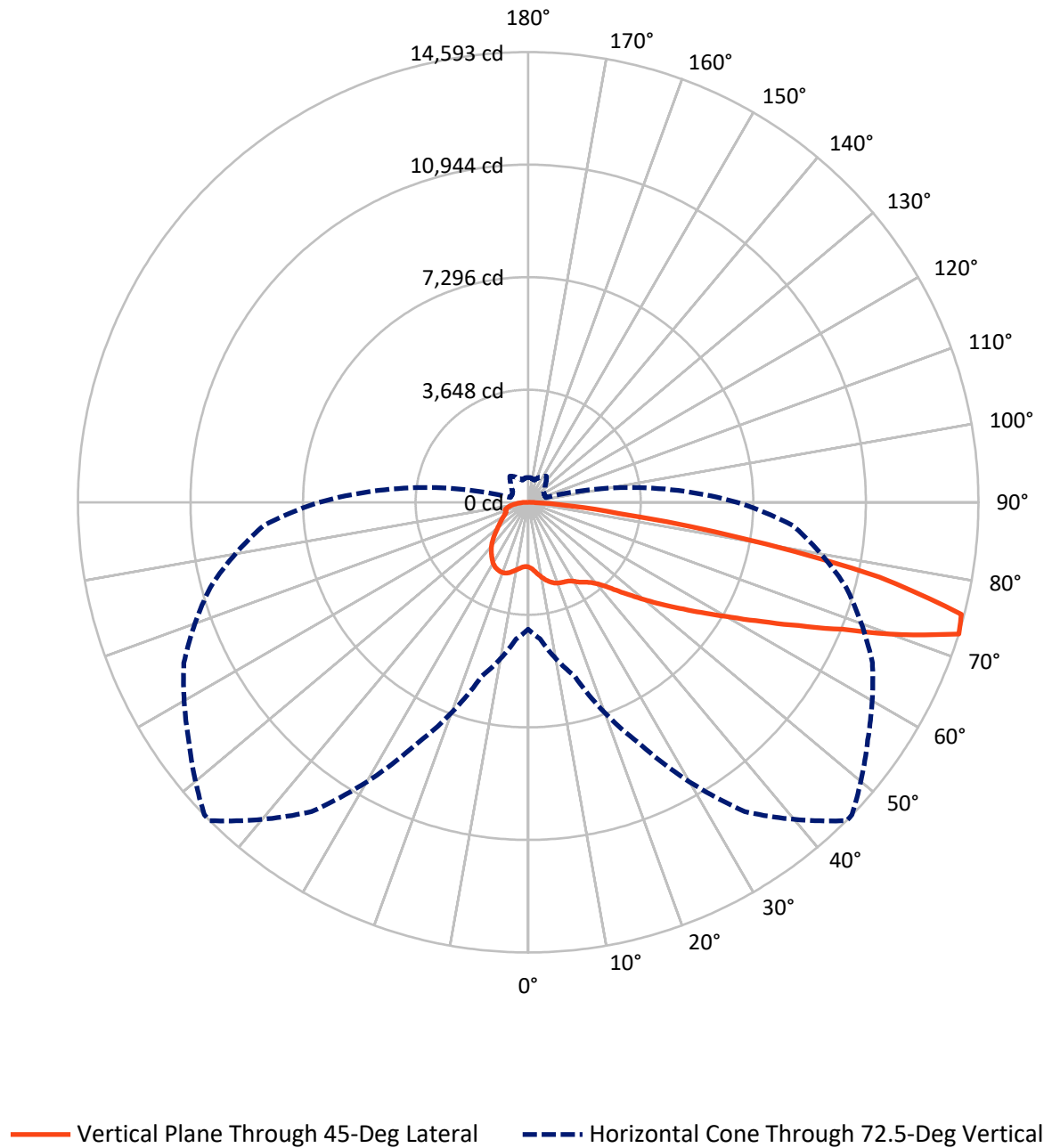


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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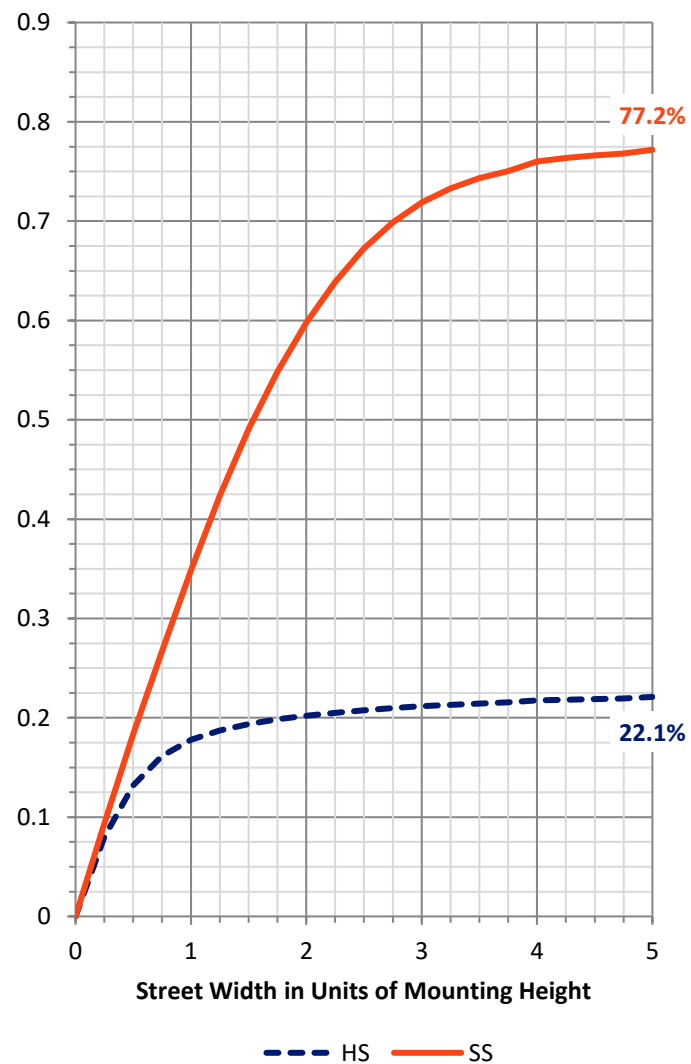
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4702.4   | 0.0    | 4702.4  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 16098.6  | 0.0    | 16098.6 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 20801.0  | 0.0    | 20801.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 213.6   | 1.0       |
| 10°-20°   | 712.1   | 3.4       |
| 20°-30°   | 1238.7  | 6.0       |
| 30°-40°   | 1775.8  | 8.5       |
| 40°-50°   | 2500.4  | 12.0      |
| 50°-60°   | 3829.9  | 18.4      |
| 60°-70°   | 5548.2  | 26.7      |
| 70°-80°   | 4430.5  | 21.3      |
| 80°-90°   | 551.8   | 2.7       |
| 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°    | 20801.0 | 100.0     |
| 0°-180°   | 20801.0 | 100.0     |

**Coefficient of Utilization**



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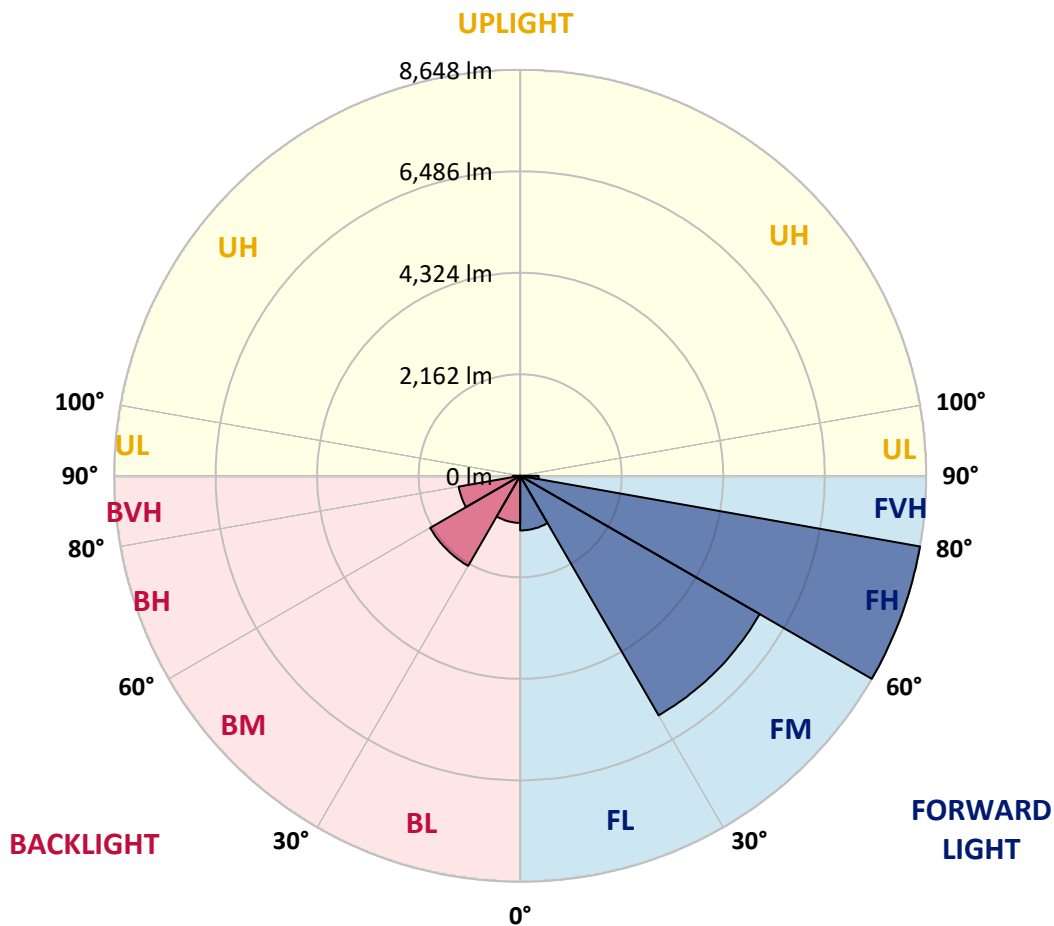
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1163.2 | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 5891.9 | 28.3      |                         |      |          |
| FH   | (60°-80°)   | 8647.6 | 41.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 395.9  | 1.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1001.2 | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2214.2 | 10.6      | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1331.1 | 6.4       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 155.9  | 0.7       |                         |      | 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°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4  | 2098.4  | 2098.4  | 2098.4  | 2098.4  | 2098.4  |
| 2.5°  | 2180.6 | 2194.8 | 2181.7 | 2169.6 | 2164.2  | 2149.9  | 2148.8  | 2140.1  | 2134.6  | 2119.2  |
| 5°    | 2332.9 | 2351.5 | 2329.6 | 2305.5 | 2283.6  | 2248.5  | 2244.2  | 2219.0  | 2190.5  | 2157.6  |
| 7.5°  | 2504.9 | 2521.4 | 2496.2 | 2460.0 | 2421.7  | 2363.6  | 2362.5  | 2316.5  | 2271.5  | 2215.7  |
| 10°   | 2655.1 | 2677.0 | 2643.0 | 2593.7 | 2545.5  | 2479.7  | 2472.1  | 2419.5  | 2362.5  | 2290.2  |
| 12.5° | 2787.7 | 2803.0 | 2770.1 | 2709.9 | 2654.0  | 2588.2  | 2578.4  | 2520.3  | 2456.7  | 2374.6  |
| 15°   | 2892.9 | 2912.6 | 2868.7 | 2804.1 | 2744.9  | 2680.3  | 2671.5  | 2618.9  | 2555.4  | 2468.8  |
| 17.5° | 2961.9 | 2978.3 | 2933.4 | 2861.1 | 2804.1  | 2750.4  | 2743.8  | 2700.0  | 2644.1  | 2556.5  |
| 20°   | 2988.2 | 3005.7 | 2958.6 | 2885.2 | 2832.6  | 2790.9  | 2787.7  | 2755.9  | 2717.5  | 2637.5  |
| 22.5° | 3014.5 | 3030.9 | 2969.6 | 2892.9 | 2846.8  | 2820.5  | 2819.4  | 2798.6  | 2783.3  | 2717.5  |
| 25°   | 3120.8 | 3125.2 | 3043.0 | 2932.3 | 2866.6  | 2843.5  | 2842.4  | 2841.4  | 2847.9  | 2796.4  |
| 27.5° | 3212.8 | 3211.7 | 3141.6 | 3037.5 | 2935.6  | 2887.4  | 2886.3  | 2897.2  | 2918.1  | 2875.3  |
| 30°   | 3347.6 | 3335.6 | 3252.3 | 3143.8 | 3050.6  | 2976.1  | 2969.6  | 2959.7  | 2976.1  | 2942.2  |
| 32.5° | 3633.6 | 3595.2 | 3460.5 | 3267.6 | 3146.0  | 3089.0  | 3080.2  | 3018.9  | 3025.4  | 3004.6  |
| 35°   | 4043.4 | 3993.0 | 3813.3 | 3502.1 | 3264.3  | 3183.2  | 3178.9  | 3101.1  | 3087.9  | 3069.3  |
| 37.5° | 4531.0 | 4468.6 | 4259.3 | 3841.8 | 3468.1  | 3292.8  | 3286.2  | 3216.1  | 3162.4  | 3142.7  |
| 40°   | 5020.9 | 4942.0 | 4768.8 | 4256.0 | 3768.4  | 3475.8  | 3455.0  | 3348.7  | 3287.3  | 3254.5  |
| 42.5° | 5496.4 | 5430.7 | 5282.7 | 4720.6 | 4138.8  | 3743.2  | 3697.2  | 3515.3  | 3469.2  | 3438.6  |
| 45°   | 5917.2 | 5858.0 | 5749.6 | 5217.0 | 4572.7  | 4107.0  | 4062.1  | 3765.1  | 3750.9  | 3750.9  |
| 47.5° | 6259.1 | 6245.9 | 6130.9 | 5723.3 | 5084.4  | 4521.2  | 4443.4  | 4112.5  | 4150.8  | 4210.0  |
| 50°   | 6638.2 | 6602.1 | 6479.3 | 6221.8 | 5686.0  | 4995.7  | 4932.1  | 4538.7  | 4682.3  | 4844.4  |
| 52.5° | 6986.7 | 7006.4 | 6869.4 | 6741.2 | 6365.4  | 5524.9  | 5413.1  | 5041.7  | 5351.8  | 5620.2  |
| 55°   | 7345.0 | 7346.1 | 7307.7 | 7290.2 | 7077.6  | 6110.1  | 5987.3  | 5646.5  | 6139.6  | 6472.8  |
| 57.5° | 7681.4 | 7683.6 | 7740.6 | 7895.1 | 7903.9  | 6785.1  | 6645.9  | 6389.5  | 7015.2  | 7354.9  |
| 60°   | 7981.7 | 7997.0 | 8152.6 | 8514.2 | 8630.4  | 7558.7  | 7427.2  | 7267.2  | 7920.3  | 8262.2  |
| 62.5° | 8082.5 | 8138.3 | 8484.6 | 8998.5 | 9348.1  | 8507.6  | 8378.3  | 8283.0  | 8871.4  | 9189.2  |
| 65°   | 7911.5 | 8039.7 | 8709.2 | 9398.5 | 10086.6 | 9635.2  | 9507.0  | 9402.9  | 9859.8  | 10159.0 |
| 67.5° | 7491.8 | 7657.3 | 8696.1 | 9818.2 | 10983.0 | 10991.8 | 10872.3 | 10628.0 | 10919.4 | 11034.5 |
| 70°   | 6386.2 | 6633.8 | 7930.1 | 9974.9 | 12011.9 | 12846.9 | 12731.9 | 12102.9 | 11976.9 | 11420.2 |
| 72.5° | 4114.6 | 4447.8 | 5839.4 | 8685.1 | 12240.9 | 14592.5 | 14585.9 | 13434.2 | 12311.1 | 10670.7 |
| 75°   | 1501.2 | 1705.0 | 2713.1 | 5451.5 | 10275.1 | 14503.7 | 14546.5 | 13206.3 | 11238.3 | 8242.4  |
| 77.5° | 546.8  | 598.3  | 885.4  | 2095.1 | 6319.4  | 11637.2 | 11725.9 | 10557.8 | 7999.2  | 4136.6  |
| 80°   | 287.1  | 315.6  | 453.7  | 813.1  | 2707.7  | 6911.1  | 7050.2  | 6274.4  | 3759.6  | 1245.9  |
| 82.5° | 158.9  | 172.0  | 254.2  | 441.6  | 1219.6  | 2955.3  | 3038.6  | 2478.7  | 1322.6  | 528.2   |
| 85°   | 85.5   | 90.9   | 119.4  | 241.1  | 596.1   | 1024.6  | 1047.6  | 740.7   | 527.1   | 310.1   |
| 87.5° | 25.2   | 30.7   | 39.4   | 76.7   | 233.4   | 230.1   | 235.6   | 146.8   | 208.2   | 156.7   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2098.4  | 0°    | 2098.4  | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4 | 2098.4 |
| 2114.9  | 2.5°  | 2108.3  | 2105.0 | 2092.9 | 2087.5 | 2080.9 | 2079.8 | 2085.3 | 2086.4 | 2087.5 | 2088.6 |
| 2139.0  | 5°    | 2128.0  | 2117.0 | 2106.1 | 2099.5 | 2101.7 | 2102.8 | 2113.8 | 2121.4 | 2126.9 | 2131.3 |
| 2183.9  | 7.5°  | 2166.4  | 2157.6 | 2139.0 | 2137.9 | 2141.2 | 2151.0 | 2165.3 | 2182.8 | 2192.7 | 2200.3 |
| 2242.0  | 10°   | 2223.3  | 2206.9 | 2185.0 | 2188.3 | 2194.8 | 2209.1 | 2238.7 | 2252.9 | 2269.4 | 2283.6 |
| 2313.2  | 12.5° | 2281.4  | 2267.2 | 2242.0 | 2244.2 | 2255.1 | 2280.3 | 2308.8 | 2326.3 | 2337.3 | 2348.3 |
| 2389.9  | 15°   | 2357.0  | 2331.8 | 2304.4 | 2304.4 | 2324.1 | 2351.5 | 2364.7 | 2378.9 | 2385.5 | 2397.6 |
| 2472.1  | 17.5° | 2434.8  | 2401.9 | 2365.8 | 2363.6 | 2387.7 | 2400.9 | 2408.5 | 2410.7 | 2412.9 | 2426.1 |
| 2552.1  | 20°   | 2512.6  | 2476.5 | 2425.0 | 2420.6 | 2426.1 | 2423.9 | 2422.8 | 2420.6 | 2423.9 | 2440.3 |
| 2634.3  | 22.5° | 2589.3  | 2547.7 | 2476.5 | 2456.7 | 2441.4 | 2420.6 | 2419.5 | 2418.4 | 2420.6 | 2437.0 |
| 2723.0  | 25°   | 2679.2  | 2628.8 | 2533.4 | 2474.3 | 2422.8 | 2394.3 | 2397.6 | 2398.7 | 2400.9 | 2414.0 |
| 2815.1  | 27.5° | 2776.7  | 2720.8 | 2586.0 | 2468.8 | 2375.6 | 2355.9 | 2350.4 | 2353.7 | 2361.4 | 2382.2 |
| 2907.1  | 30°   | 2874.2  | 2808.5 | 2634.3 | 2446.9 | 2316.5 | 2289.1 | 2271.5 | 2279.2 | 2303.3 | 2324.1 |
| 2987.1  | 32.5° | 2963.0  | 2897.2 | 2672.6 | 2398.7 | 2240.9 | 2198.1 | 2175.1 | 2185.0 | 2209.1 | 2216.8 |
| 3075.9  | 35°   | 3067.1  | 2992.6 | 2689.0 | 2322.0 | 2158.7 | 2092.9 | 2062.3 | 2048.0 | 2060.1 | 2052.4 |
| 3179.9  | 37.5° | 3183.2  | 3105.4 | 2686.8 | 2221.1 | 2062.3 | 1986.6 | 1943.9 | 1890.2 | 1865.0 | 1838.7 |
| 3333.4  | 40°   | 3355.3  | 3243.5 | 2660.6 | 2099.5 | 1942.8 | 1873.8 | 1797.1 | 1706.1 | 1649.1 | 1597.6 |
| 3581.0  | 42.5° | 3589.8  | 3435.3 | 2612.3 | 1965.8 | 1808.0 | 1743.4 | 1639.3 | 1533.0 | 1443.1 | 1357.7 |
| 3956.9  | 45°   | 3939.3  | 3686.2 | 2552.1 | 1823.4 | 1662.3 | 1598.7 | 1485.9 | 1366.4 | 1264.5 | 1155.0 |
| 4490.5  | 47.5° | 4443.4  | 4023.7 | 2495.1 | 1661.2 | 1508.9 | 1450.8 | 1348.9 | 1238.2 | 1117.7 | 1011.4 |
| 5261.9  | 50°   | 5135.9  | 4508.0 | 2442.5 | 1503.4 | 1357.7 | 1313.8 | 1232.8 | 1119.9 | 998.3  | 912.8  |
| 6165.9  | 52.5° | 6016.9  | 5166.6 | 2420.6 | 1351.1 | 1216.3 | 1199.9 | 1135.2 | 1030.0 | 915.0  | 842.7  |
| 7220.1  | 55°   | 7028.3  | 5954.5 | 2420.6 | 1205.4 | 1092.5 | 1098.0 | 1053.0 | 955.5  | 855.8  | 791.2  |
| 8307.1  | 57.5° | 8060.5  | 6752.2 | 2376.7 | 1070.6 | 987.3  | 1010.3 | 981.8  | 896.3  | 806.5  | 739.7  |
| 9450.0  | 60°   | 9011.7  | 7420.6 | 2199.2 | 947.8  | 894.2  | 930.3  | 911.7  | 838.3  | 728.7  | 672.8  |
| 10405.5 | 62.5° | 9742.6  | 7797.6 | 1857.3 | 850.3  | 817.5  | 859.1  | 849.2  | 761.6  | 714.4  | 691.4  |
| 11190.1 | 65°   | 10108.6 | 7736.2 | 1420.1 | 763.8  | 752.8  | 817.5  | 796.6  | 793.3  | 756.1  | 729.8  |
| 11445.4 | 67.5° | 9883.9  | 7208.0 | 1030.0 | 700.2  | 715.5  | 779.1  | 859.1  | 872.2  | 803.2  | 751.7  |
| 10726.6 | 70°   | 8898.8  | 6252.5 | 767.0  | 639.9  | 668.4  | 780.2  | 979.6  | 912.8  | 787.9  | 727.6  |
| 8603.0  | 72.5° | 6769.7  | 4662.5 | 595.0  | 576.4  | 607.1  | 785.7  | 1033.3 | 894.2  | 744.0  | 804.3  |
| 5359.5  | 75°   | 3871.4  | 2559.7 | 477.8  | 498.6  | 530.4  | 734.2  | 1005.9 | 845.9  | 710.1  | 738.6  |
| 2123.6  | 77.5° | 1476.0  | 984.0  | 394.5  | 421.9  | 426.3  | 641.0  | 962.1  | 842.7  | 676.1  | 659.7  |
| 636.6   | 80°   | 511.7   | 384.6  | 326.5  | 335.3  | 329.8  | 569.8  | 922.6  | 733.1  | 553.4  | 495.3  |
| 263.0   | 82.5° | 209.3   | 191.8  | 258.6  | 247.6  | 234.5  | 442.7  | 745.1  | 599.4  | 452.6  | 400.0  |
| 127.1   | 85°   | 90.9    | 121.6  | 170.9  | 150.1  | 135.9  | 306.8  | 597.2  | 507.3  | 382.4  | 329.8  |
| 41.6    | 87.5° | 18.6    | 46.0   | 72.3   | 67.9   | 70.1   | 204.9  | 424.1  | 360.5  | 270.7  | 202.7  |
| 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°   |
|--------|
| 2098.4 |
| 2092.9 |
| 2133.5 |
| 2202.5 |
| 2280.3 |
| 2352.6 |
| 2401.9 |
| 2430.4 |
| 2446.9 |
| 2448.0 |
| 2431.5 |
| 2403.0 |
| 2347.2 |
| 2244.2 |
| 2076.5 |
| 1855.2 |
| 1600.9 |
| 1350.0 |
| 1141.8 |
| 999.4  |
| 907.3  |
| 837.2  |
| 784.6  |
| 728.7  |
| 664.0  |
| 683.8  |
| 721.0  |
| 742.9  |
| 717.7  |
| 797.7  |
| 738.6  |
| 601.6  |
| 478.9  |
| 395.6  |
| 328.7  |
| 158.9  |
| 0.0    |

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