

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: P947610

Luminaire Tested: **GLAN-SB2D-930-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947610  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13836 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 147.6  
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



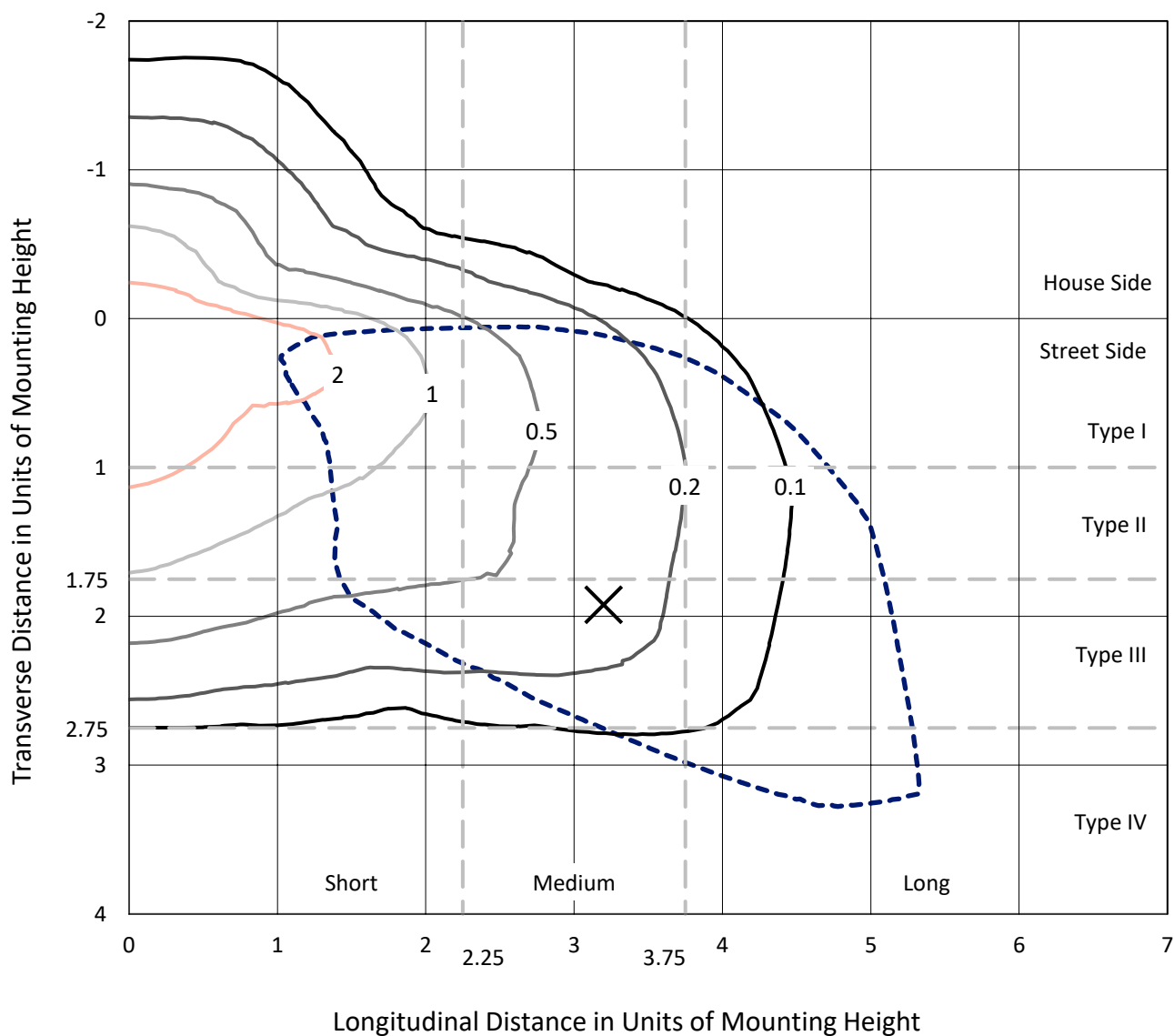
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

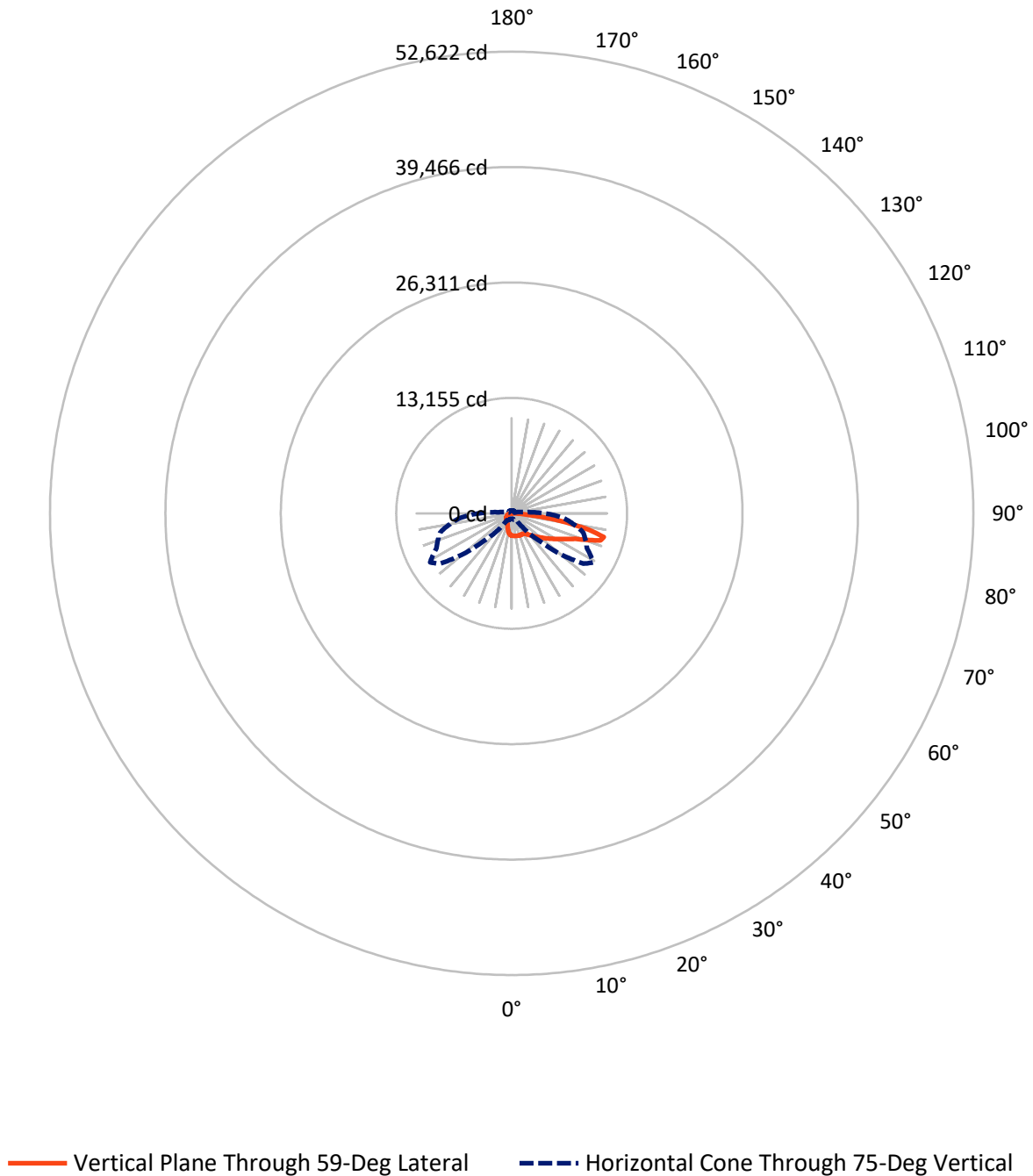
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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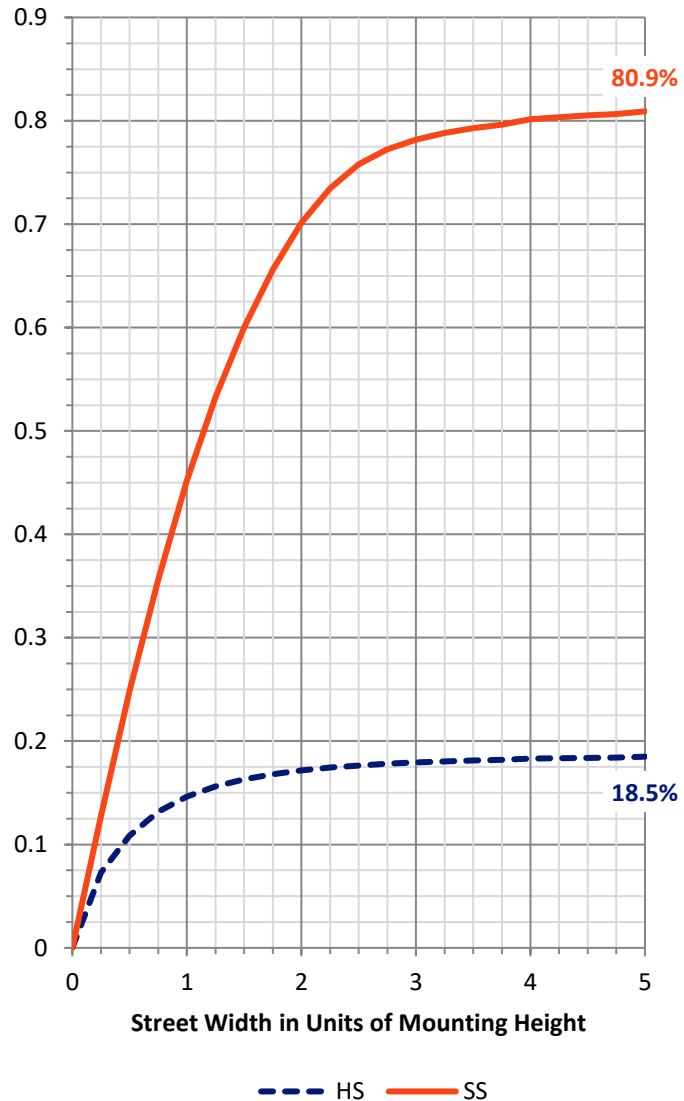
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2595.0   | 0.0    | 2595.0  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 11241.0  | 0.0    | 11241.0 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 13836.0  | 0.0    | 13836.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 227.7   | 1.6       |
| 10°-20°   | 582.0   | 4.2       |
| 20°-30°   | 884.1   | 6.4       |
| 30°-40°   | 1314.2  | 9.5       |
| 40°-50°   | 1954.4  | 14.1      |
| 50°-60°   | 2652.9  | 19.2      |
| 60°-70°   | 3238.7  | 23.4      |
| 70°-80°   | 2541.7  | 18.4      |
| 80°-90°   | 440.3   | 3.2       |
| 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°    | 13836.0 | 100.0     |
| 0°-180°   | 13836.0 | 100.0     |

**Coefficient of Utilization**



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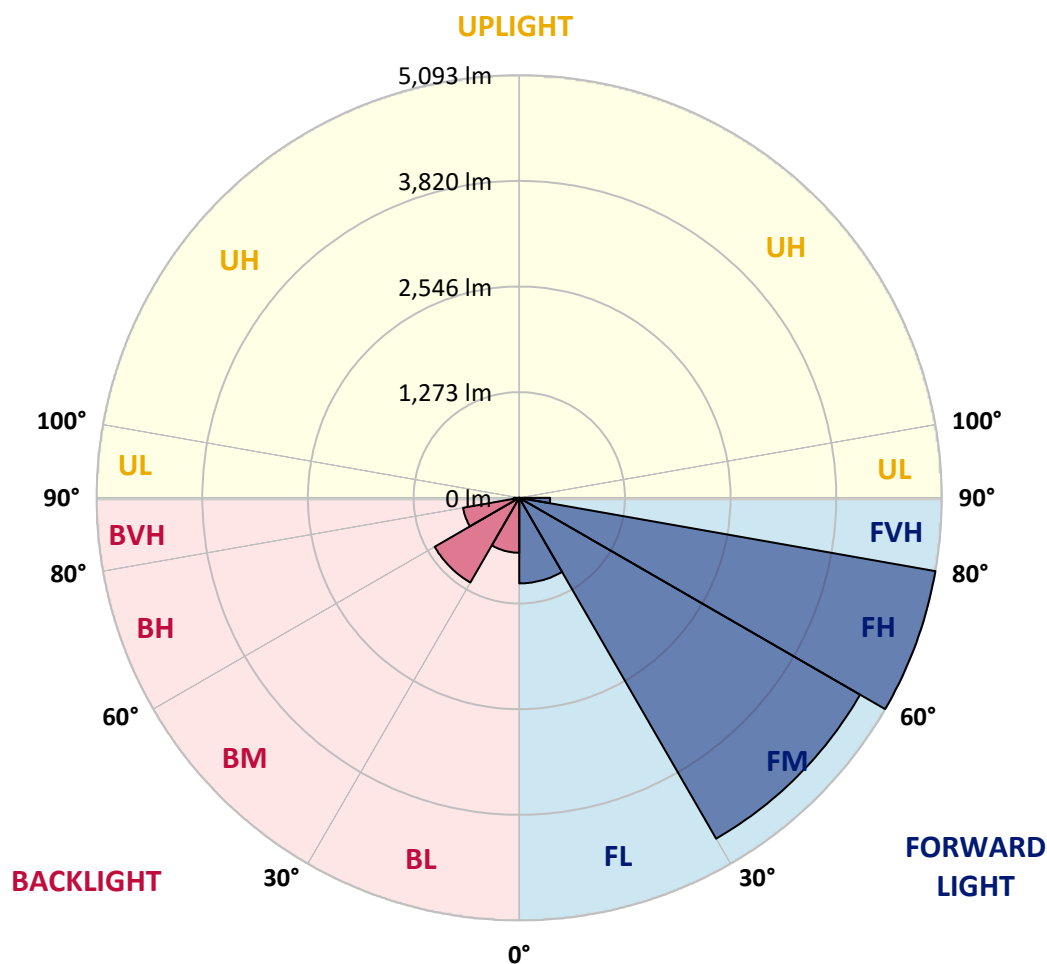
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1031.6 | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 4743.6 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 5092.9 | 36.8      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 372.9  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 662.2  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1177.9 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 687.5  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 67.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 59°     | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| 0°    | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6  | 2539.6  | 2539.6 | 2539.6 |
| 2.5°  | 2561.2 | 2552.2 | 2561.2 | 2557.4 | 2555.9 | 2553.0 | 2553.7  | 2558.9  | 2555.9 | 2559.7 |
| 5°    | 2544.0 | 2538.8 | 2547.8 | 2545.5 | 2555.2 | 2556.7 | 2566.4  | 2572.3  | 2576.0 | 2576.8 |
| 7.5°  | 2515.7 | 2510.5 | 2523.2 | 2533.6 | 2554.5 | 2560.4 | 2580.5  | 2590.2  | 2595.4 | 2604.3 |
| 10°   | 2412.3 | 2410.1 | 2441.3 | 2480.8 | 2529.9 | 2560.4 | 2590.9  | 2607.3  | 2615.5 | 2639.3 |
| 12.5° | 2229.2 | 2232.2 | 2273.1 | 2349.0 | 2447.3 | 2545.5 | 2602.8  | 2626.7  | 2639.3 | 2669.1 |
| 15°   | 2054.3 | 2053.5 | 2098.2 | 2179.3 | 2317.0 | 2480.0 | 2608.8  | 2649.7  | 2671.3 | 2715.2 |
| 17.5° | 1953.1 | 1950.1 | 1981.3 | 2043.1 | 2171.1 | 2379.5 | 2593.9  | 2662.4  | 2708.5 | 2763.6 |
| 20°   | 1934.4 | 1928.5 | 1944.9 | 1975.4 | 2066.2 | 2269.4 | 2555.2  | 2662.4  | 2738.3 | 2809.7 |
| 22.5° | 2002.2 | 1992.5 | 1985.8 | 1982.1 | 2022.3 | 2178.6 | 2511.3  | 2653.4  | 2782.2 | 2876.0 |
| 25°   | 2138.4 | 2123.5 | 2089.3 | 2055.8 | 2043.9 | 2137.6 | 2472.6  | 2651.2  | 2847.7 | 2965.3 |
| 27.5° | 2358.7 | 2340.1 | 2270.9 | 2190.5 | 2118.3 | 2158.5 | 2455.5  | 2664.6  | 2919.9 | 3059.8 |
| 30°   | 2631.9 | 2611.8 | 2524.7 | 2401.1 | 2271.6 | 2235.9 | 2477.0  | 2704.1  | 3012.2 | 3185.6 |
| 32.5° | 2876.7 | 2854.4 | 2780.0 | 2654.2 | 2479.3 | 2369.9 | 2545.5  | 2779.2  | 3157.3 | 3360.5 |
| 35°   | 3094.1 | 3068.0 | 3001.0 | 2884.9 | 2733.8 | 2558.2 | 2669.1  | 2912.5  | 3363.5 | 3644.9 |
| 37.5° | 3306.9 | 3276.4 | 3203.5 | 3080.7 | 2975.0 | 2809.0 | 2839.5  | 3083.7  | 3637.4 | 3990.2 |
| 40°   | 3545.1 | 3501.2 | 3412.6 | 3291.3 | 3188.6 | 3103.0 | 3063.6  | 3293.5  | 3915.8 | 4375.8 |
| 42.5° | 3775.9 | 3734.2 | 3628.5 | 3525.0 | 3396.3 | 3371.7 | 3323.3  | 3539.2  | 4220.2 | 4799.3 |
| 45°   | 4024.5 | 3974.6 | 3846.6 | 3715.6 | 3634.4 | 3550.3 | 3574.9  | 3784.8  | 4518.7 | 5231.0 |
| 47.5° | 4257.4 | 4201.6 | 4050.5 | 3904.6 | 3860.0 | 3700.7 | 3805.6  | 4055.0  | 4829.0 | 5668.6 |
| 50°   | 4383.2 | 4328.1 | 4202.3 | 4070.6 | 4035.6 | 3886.0 | 4055.7  | 4351.9  | 5154.3 | 6104.8 |
| 52.5° | 4488.2 | 4428.6 | 4264.1 | 4191.2 | 4180.8 | 4087.7 | 4363.9  | 4691.4  | 5479.6 | 6490.3 |
| 55°   | 4599.8 | 4533.6 | 4323.7 | 4258.2 | 4305.8 | 4314.0 | 4729.3  | 5076.2  | 5823.4 | 6866.2 |
| 57.5° | 4728.6 | 4644.5 | 4381.0 | 4314.7 | 4427.9 | 4579.0 | 5149.1  | 5475.1  | 6161.4 | 7214.5 |
| 60°   | 4849.9 | 4765.0 | 4491.1 | 4404.8 | 4559.6 | 4886.4 | 5630.7  | 5958.2  | 6543.9 | 7524.9 |
| 62.5° | 4873.7 | 4803.7 | 4579.0 | 4578.2 | 4738.2 | 5245.1 | 6200.8  | 6445.7  | 6878.1 | 7831.6 |
| 65°   | 4461.4 | 4417.4 | 4284.2 | 4571.5 | 4994.3 | 5761.7 | 6835.7  | 7069.4  | 7303.1 | 8099.5 |
| 67.5° | 3395.5 | 3401.5 | 3391.8 | 3946.3 | 4787.4 | 6503.7 | 7754.9  | 7737.0  | 7827.9 | 8400.2 |
| 70°   | 1552.6 | 1587.6 | 1815.4 | 2724.2 | 3835.4 | 6589.3 | 9274.8  | 9043.3  | 8486.6 | 8789.5 |
| 72.5° | 838.8  | 865.6  | 958.7  | 1319.7 | 2305.9 | 5858.4 | 10410.6 | 10575.1 | 9362.6 | 9051.5 |
| 75°   | 615.5  | 630.4  | 695.2  | 838.8  | 968.3  | 4354.2 | 10003.5 | 10847.5 | 9472.0 | 8440.4 |
| 77.5° | 460.7  | 467.4  | 520.3  | 664.7  | 495.7  | 2295.4 | 7993.1  | 8983.8  | 8108.5 | 6934.7 |
| 80°   | 334.2  | 341.6  | 381.1  | 498.7  | 347.6  | 839.6  | 5488.5  | 6305.7  | 5553.3 | 4420.4 |
| 82.5° | 230.7  | 233.7  | 250.8  | 339.4  | 242.6  | 326.0  | 3114.2  | 3697.7  | 3100.0 | 1551.1 |
| 85°   | 139.2  | 142.9  | 150.3  | 198.0  | 137.7  | 154.8  | 1344.2  | 1390.4  | 926.7  | 370.7  |
| 87.5° | 57.3   | 61.0   | 67.0   | 83.4   | 54.3   | 43.2   | 221.8   | 278.4   | 173.4  | 108.7  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2539.6 | 0°    | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 | 2539.6 |
| 2547.0 | 2.5°  | 2543.3 | 2538.1 | 2523.9 | 2504.6 | 2486.7 | 2464.4 | 2454.7 | 2446.5 | 2439.1 | 2424.9 |
| 2567.1 | 5°    | 2558.9 | 2544.8 | 2506.8 | 2457.7 | 2401.9 | 2340.8 | 2281.3 | 2240.4 | 2205.4 | 2179.3 |
| 2590.2 | 7.5°  | 2582.7 | 2555.9 | 2486.7 | 2386.2 | 2258.2 | 2127.2 | 2008.9 | 1924.8 | 1861.5 | 1838.4 |
| 2622.9 | 10°   | 2607.3 | 2575.3 | 2454.7 | 2277.6 | 2056.5 | 1854.8 | 1697.8 | 1611.4 | 1560.8 | 1544.4 |
| 2661.6 | 12.5° | 2636.3 | 2589.4 | 2404.8 | 2126.5 | 1831.0 | 1609.9 | 1473.0 | 1422.4 | 1396.3 | 1387.4 |
| 2709.3 | 15°   | 2678.8 | 2601.3 | 2329.7 | 1937.4 | 1615.9 | 1431.3 | 1342.7 | 1307.7 | 1294.3 | 1293.6 |
| 2758.4 | 17.5° | 2710.8 | 2603.6 | 2212.8 | 1735.0 | 1450.6 | 1323.4 | 1250.4 | 1237.0 | 1246.0 | 1259.4 |
| 2806.8 | 20°   | 2746.5 | 2583.5 | 2059.5 | 1550.4 | 1334.5 | 1228.8 | 1198.3 | 1207.3 | 1228.8 | 1248.2 |
| 2870.8 | 22.5° | 2771.8 | 2547.0 | 1874.2 | 1406.7 | 1234.1 | 1174.5 | 1173.0 | 1191.6 | 1203.5 | 1213.2 |
| 2946.0 | 25°   | 2794.1 | 2485.2 | 1677.7 | 1286.2 | 1151.4 | 1141.8 | 1158.1 | 1152.2 | 1144.0 | 1152.2 |
| 3021.1 | 27.5° | 2810.5 | 2387.7 | 1502.0 | 1180.5 | 1093.4 | 1119.4 | 1109.8 | 1096.4 | 1095.6 | 1100.1 |
| 3109.7 | 30°   | 2805.3 | 2257.5 | 1357.6 | 1080.0 | 1052.4 | 1077.8 | 1054.7 | 1052.4 | 1050.2 | 1052.4 |
| 3242.9 | 32.5° | 2805.3 | 2109.4 | 1246.7 | 1010.8 | 1026.4 | 1016.7 | 1014.5 | 1009.3 | 1000.3 | 999.6  |
| 3423.8 | 35°   | 2820.9 | 1961.2 | 1151.4 | 973.6  | 1004.8 | 981.7  | 983.2  | 970.6  | 952.0  | 943.0  |
| 3663.5 | 37.5° | 2852.9 | 1842.2 | 1056.9 | 955.7  | 966.9  | 966.1  | 960.2  | 938.6  | 905.8  | 877.5  |
| 3962.7 | 40°   | 2930.3 | 1807.2 | 992.2  | 947.5  | 949.0  | 957.9  | 942.3  | 900.6  | 826.2  | 780.0  |
| 4266.4 | 42.5° | 3051.6 | 1866.0 | 978.0  | 927.4  | 937.1  | 946.0  | 915.5  | 818.7  | 765.9  | 738.4  |
| 4584.9 | 45°   | 3205.7 | 1968.7 | 1008.5 | 898.4  | 908.8  | 924.4  | 833.6  | 787.5  | 763.7  | 764.4  |
| 4900.5 | 47.5° | 3400.7 | 2076.6 | 1065.1 | 873.1  | 867.9  | 876.8  | 779.3  | 751.0  | 718.3  | 726.4  |
| 5203.4 | 50°   | 3626.3 | 2186.0 | 1118.7 | 838.8  | 822.5  | 793.4  | 744.3  | 717.5  | 675.8  | 656.5  |
| 5495.9 | 52.5° | 3870.4 | 2291.7 | 1140.3 | 797.2  | 773.3  | 739.8  | 720.5  | 687.7  | 637.1  | 605.1  |
| 5772.1 | 55°   | 4101.9 | 2387.7 | 1116.5 | 747.3  | 724.2  | 698.2  | 695.2  | 675.1  | 620.7  | 576.1  |
| 6017.7 | 57.5° | 4320.7 | 2468.1 | 1056.9 | 696.7  | 674.3  | 658.7  | 678.8  | 669.1  | 600.7  | 543.3  |
| 6249.9 | 60°   | 4506.0 | 2523.2 | 970.6  | 645.3  | 629.7  | 621.5  | 652.0  | 649.0  | 572.4  | 508.4  |
| 6458.3 | 62.5° | 4653.4 | 2544.8 | 875.3  | 596.2  | 592.5  | 577.6  | 614.8  | 614.8  | 536.6  | 474.1  |
| 6641.4 | 65°   | 4768.8 | 2523.9 | 778.5  | 547.8  | 555.3  | 532.9  | 569.4  | 564.9  | 498.7  | 443.6  |
| 6852.1 | 67.5° | 4870.7 | 2455.5 | 671.4  | 500.2  | 517.3  | 489.0  | 521.8  | 511.3  | 457.0  | 413.1  |
| 7034.4 | 70°   | 4916.1 | 2296.2 | 549.3  | 452.5  | 473.4  | 445.8  | 474.1  | 454.8  | 410.1  | 380.3  |
| 6834.2 | 72.5° | 4551.4 | 1908.4 | 432.4  | 402.7  | 420.5  | 398.2  | 422.8  | 400.4  | 359.5  | 346.1  |
| 5901.6 | 75°   | 3765.4 | 1432.0 | 332.7  | 348.3  | 361.7  | 344.6  | 361.0  | 344.6  | 307.4  | 317.1  |
| 4359.4 | 77.5° | 2734.6 | 966.9  | 254.6  | 291.0  | 297.0  | 288.0  | 302.2  | 283.6  | 250.1  | 247.9  |
| 2172.6 | 80°   | 1359.8 | 566.4  | 199.5  | 230.0  | 227.8  | 221.8  | 238.2  | 229.2  | 201.0  | 212.9  |
| 586.5  | 82.5° | 393.7  | 242.6  | 145.1  | 161.5  | 157.0  | 158.5  | 170.4  | 174.9  | 262.0  | 259.8  |
| 182.4  | 85°   | 123.6  | 95.3   | 87.1   | 90.1   | 85.6   | 87.8   | 100.5  | 199.5  | 184.6  | 107.9  |
| 56.6   | 87.5° | 32.0   | 32.7   | 21.6   | 23.1   | 23.8   | 28.3   | 32.0   | 121.3  | 58.1   | 38.0   |
| 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°   |
|--------|
| 2539.6 |
| 2418.2 |
| 2157.7 |
| 1798.2 |
| 1519.1 |
| 1389.6 |
| 1296.6 |
| 1264.6 |
| 1254.9 |
| 1218.4 |
| 1157.4 |
| 1107.5 |
| 1060.6 |
| 1009.3 |
| 952.0  |
| 887.2  |
| 786.0  |
| 738.4  |
| 768.1  |
| 747.3  |
| 661.7  |
| 604.4  |
| 576.1  |
| 540.4  |
| 506.1  |
| 471.9  |
| 440.6  |
| 410.1  |
| 374.4  |
| 334.9  |
| 289.5  |
| 236.7  |
| 210.6  |
| 265.7  |
| 116.9  |
| 40.2   |
| 0.0    |