

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: P948115

Luminaire Tested: **GLAN-SB3B-735-U-SLL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12894 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 109.2  
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

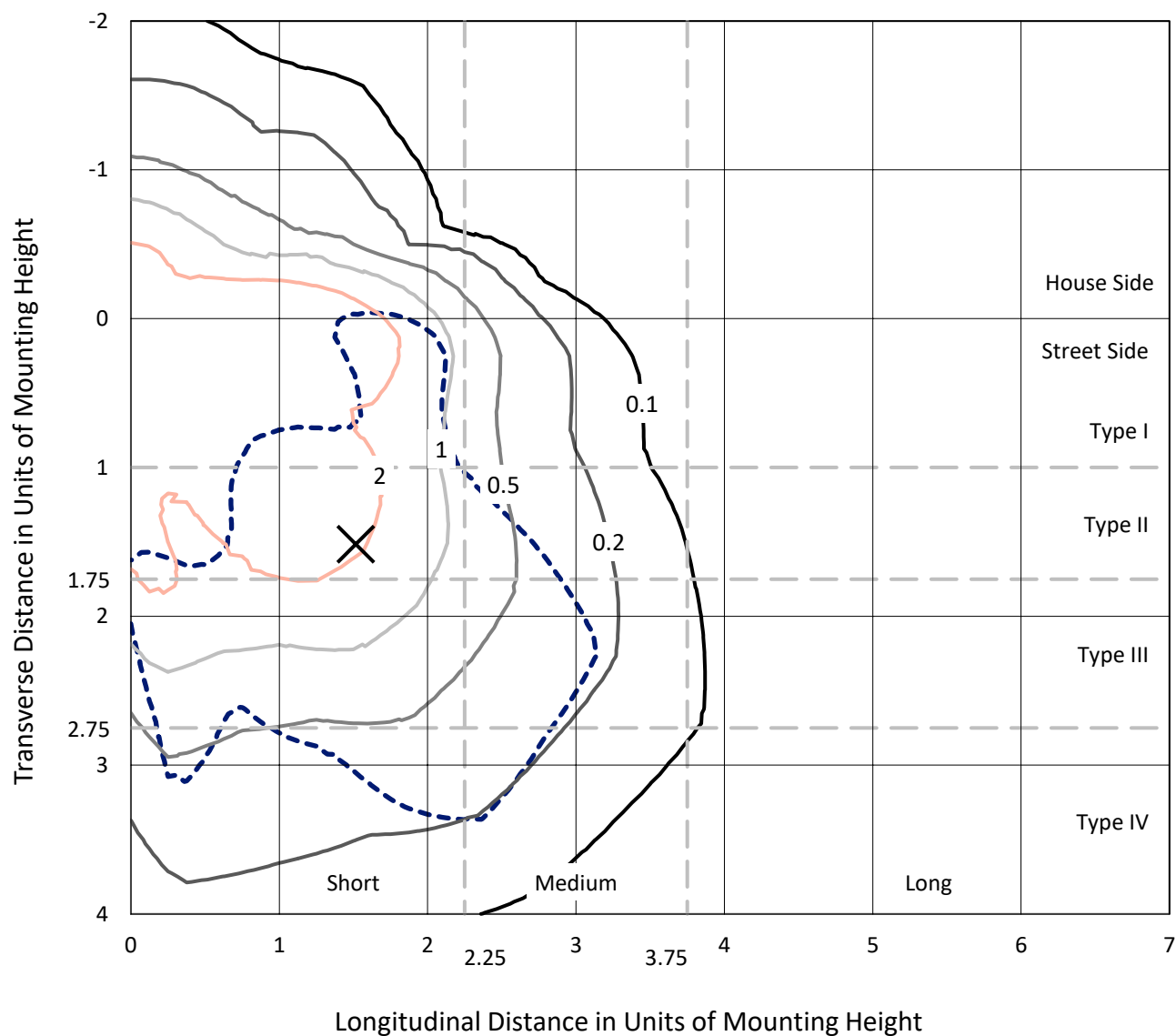


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

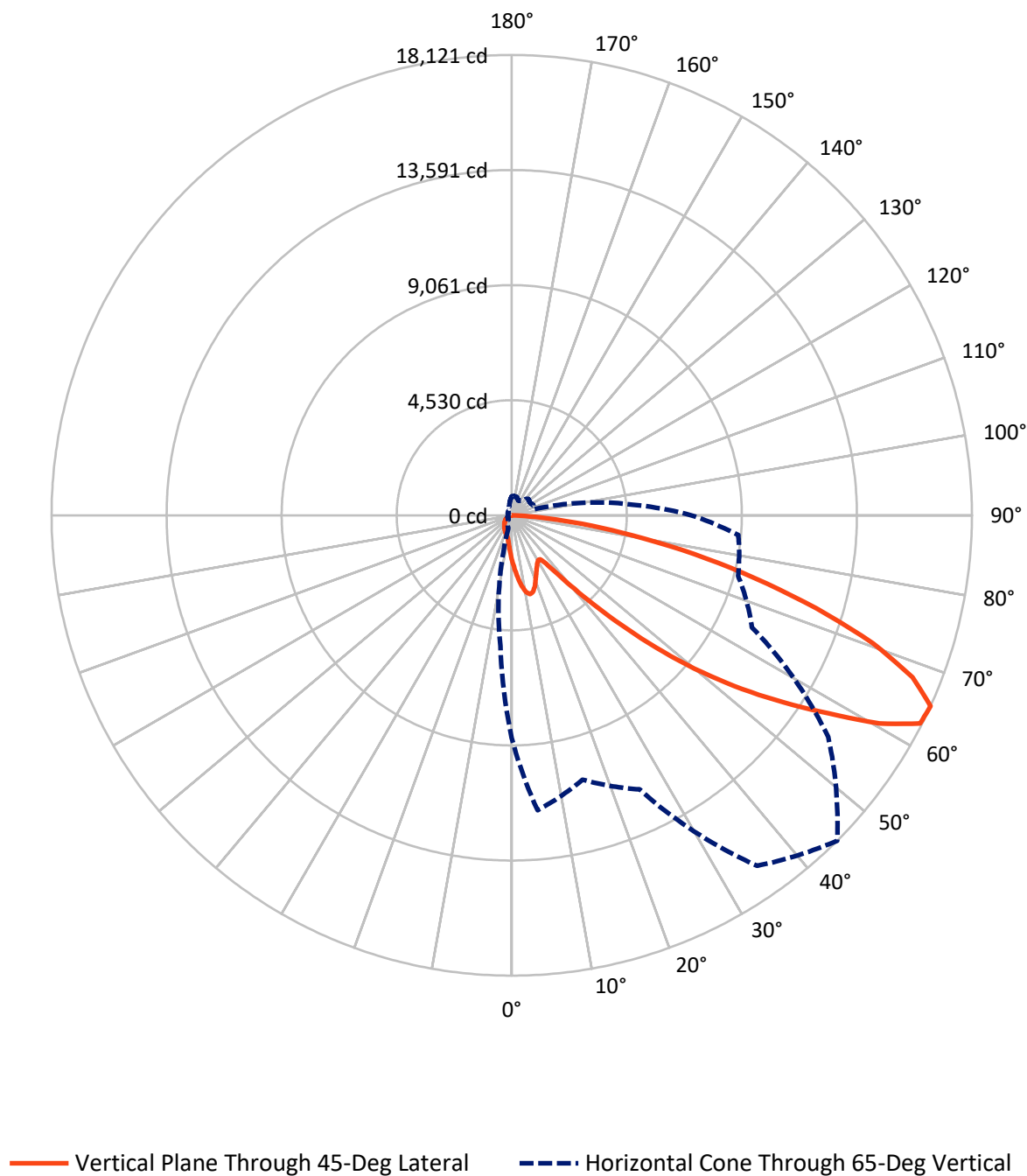


Based on 25 foot mounting height. Maximum calculated value = 4.7 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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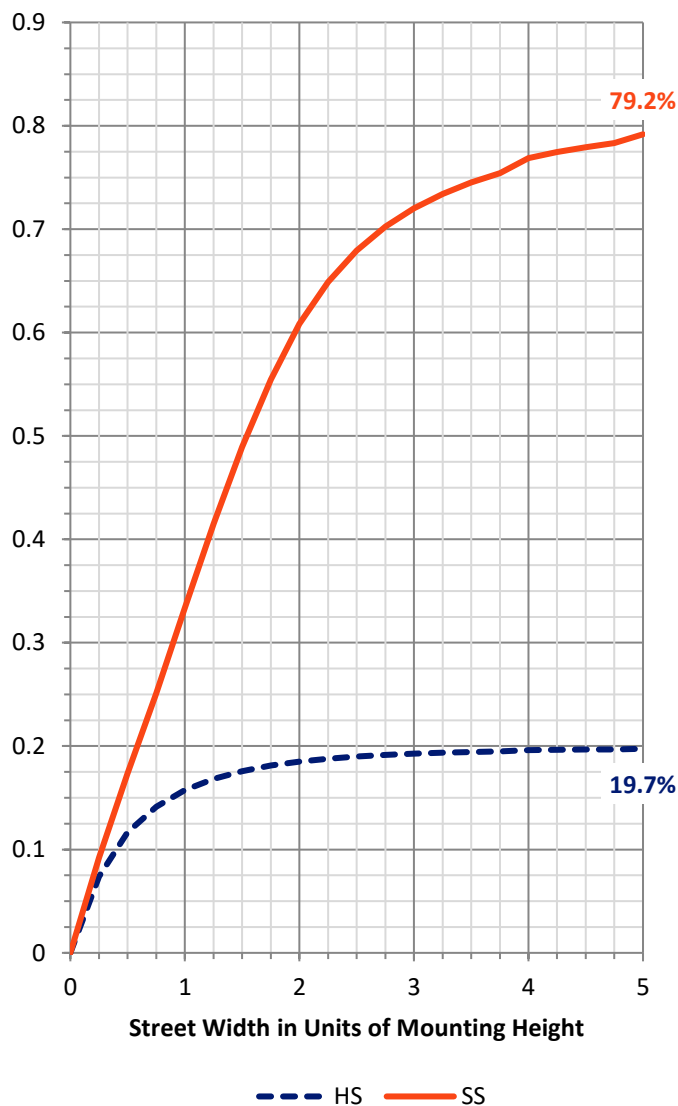
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2562.9   | 0.0    | 2562.9  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 10331.1  | 0.0    | 10331.1 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 12894.0  | 0.0    | 12894.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 175.8   | 1.4       |
| 10°-20°   | 526.9   | 4.1       |
| 20°-30°   | 776.3   | 6.0       |
| 30°-40°   | 997.3   | 7.7       |
| 40°-50°   | 1612.9  | 12.5      |
| 50°-60°   | 2828.5  | 21.9      |
| 60°-70°   | 3539.2  | 27.4      |
| 70°-80°   | 2068.1  | 16.0      |
| 80°-90°   | 369.0   | 2.9       |
| 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°    | 12894.0 | 100.0     |
| 0°-180°   | 12894.0 | 100.0     |

**Coefficient of Utilization**



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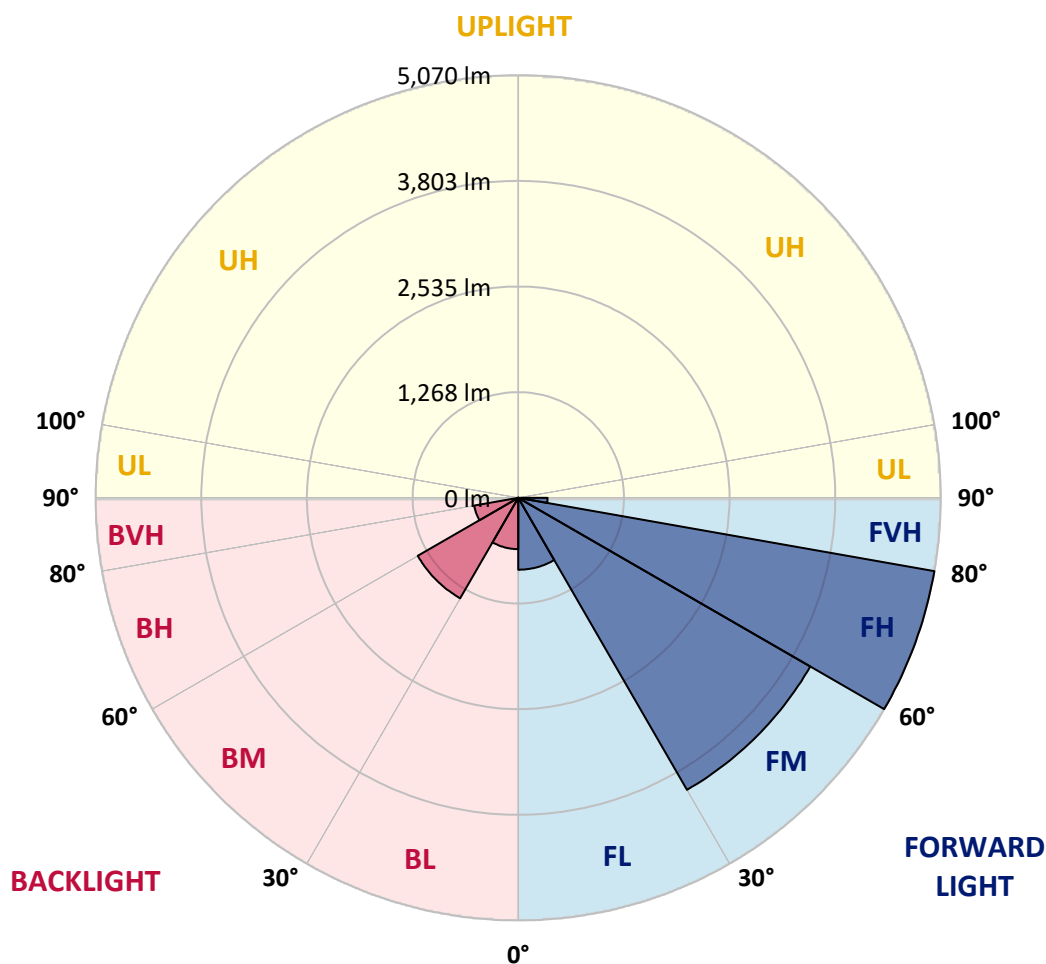
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 862.8  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 4046.3 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 5070.3 | 39.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 351.7  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 616.2  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1392.4 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 537.0  | 4.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 17.3   | 0.1       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1785.4 | 1785.4  | 1785.4  | 1785.4  | 1785.4  | 1785.4  | 1785.4  | 1785.4  | 1785.4  | 1785.4  |
| 2.5°  | 2000.4 | 2015.5  | 2049.2  | 2067.0  | 2094.5  | 2096.3  | 2096.3  | 2072.3  | 2071.4  | 2022.6  |
| 5°    | 2235.8 | 2271.3  | 2351.2  | 2433.8  | 2451.6  | 2456.0  | 2447.2  | 2399.2  | 2363.7  | 2268.6  |
| 7.5°  | 2469.4 | 2537.8  | 2659.5  | 2769.6  | 2805.1  | 2805.1  | 2783.8  | 2705.6  | 2632.8  | 2495.1  |
| 10°   | 2663.0 | 2749.2  | 2914.4  | 3037.9  | 3078.7  | 3069.8  | 3026.3  | 2927.7  | 2827.3  | 2660.3  |
| 12.5° | 2790.9 | 2887.7  | 3068.9  | 3168.4  | 3210.2  | 3187.1  | 3137.3  | 3041.4  | 2935.7  | 2759.8  |
| 15°   | 2854.9 | 2956.1  | 3113.4  | 3165.8  | 3154.2  | 3130.2  | 3124.0  | 3077.8  | 2997.9  | 2833.6  |
| 17.5° | 2882.4 | 2976.6  | 3085.8  | 3053.0  | 2955.2  | 2936.6  | 2998.8  | 3057.4  | 3037.9  | 2897.5  |
| 20°   | 2908.2 | 2987.2  | 3020.1  | 2874.4  | 2703.9  | 2687.0  | 2806.0  | 2973.0  | 3058.3  | 2957.0  |
| 22.5° | 2943.7 | 2992.6  | 2925.0  | 2686.1  | 2502.2  | 2463.2  | 2594.6  | 2846.0  | 3064.5  | 3032.5  |
| 25°   | 2992.6 | 3005.9  | 2820.2  | 2507.6  | 2322.8  | 2283.7  | 2406.3  | 2704.8  | 3053.8  | 3114.2  |
| 27.5° | 3051.2 | 3023.6  | 2719.9  | 2358.3  | 2179.8  | 2143.4  | 2266.0  | 2568.9  | 3023.6  | 3196.0  |
| 30°   | 3127.6 | 3046.7  | 2620.4  | 2242.9  | 2077.6  | 2051.0  | 2169.1  | 2451.6  | 2986.3  | 3299.9  |
| 32.5° | 3204.8 | 3056.5  | 2528.0  | 2175.4  | 2054.5  | 2064.3  | 2161.1  | 2388.5  | 2945.5  | 3399.4  |
| 35°   | 3288.3 | 3087.6  | 2482.7  | 2242.0  | 2247.3  | 2332.6  | 2372.5  | 2447.2  | 2939.3  | 3534.4  |
| 37.5° | 3402.0 | 3156.9  | 2536.9  | 2573.3  | 2758.1  | 2934.8  | 2902.0  | 2734.1  | 3011.2  | 3736.0  |
| 40°   | 3565.5 | 3278.6  | 2773.2  | 3137.3  | 3516.6  | 3803.5  | 3678.3  | 3255.5  | 3231.5  | 4026.5  |
| 42.5° | 3803.5 | 3472.2  | 3192.4  | 3826.6  | 4469.7  | 4942.3  | 4606.5  | 3927.9  | 3617.0  | 4441.3  |
| 45°   | 4155.3 | 3785.8  | 3699.6  | 4554.1  | 5644.9  | 6389.3  | 5691.1  | 4644.7  | 4157.1  | 5069.3  |
| 47.5° | 4642.9 | 4246.8  | 4174.8  | 5320.7  | 7073.2  | 8036.1  | 6893.8  | 5309.1  | 4771.7  | 5925.6  |
| 50°   | 5290.5 | 4867.7  | 4625.2  | 6159.2  | 8639.2  | 9714.9  | 8095.6  | 5950.5  | 5476.1  | 6972.0  |
| 52.5° | 6145.0 | 5733.7  | 5150.1  | 6957.8  | 10249.7 | 11358.2 | 9302.8  | 6513.6  | 6350.2  | 8186.2  |
| 55°   | 7310.4 | 7036.8  | 5867.9  | 7719.9  | 11859.2 | 13011.3 | 10462.8 | 7044.8  | 7504.9  | 9628.8  |
| 57.5° | 8756.5 | 8951.9  | 6902.7  | 8603.7  | 13306.2 | 14714.9 | 11628.2 | 7787.4  | 9004.3  | 11241.8 |
| 60°   | 9689.2 | 11498.6 | 8884.4  | 9910.3  | 14950.3 | 16641.6 | 13225.3 | 9199.7  | 10580.1 | 11820.1 |
| 62.5° | 9463.5 | 12308.6 | 11257.8 | 11578.5 | 16462.2 | 18042.4 | 14790.4 | 10618.3 | 10876.8 | 10968.3 |
| 65°   | 8771.6 | 11654.9 | 10773.7 | 11902.7 | 16845.0 | 18121.4 | 15208.8 | 10435.3 | 9226.4  | 8954.6  |
| 67.5° | 7819.4 | 10879.4 | 9623.4  | 11042.9 | 16153.0 | 17016.4 | 14429.8 | 9230.8  | 7130.1  | 6719.7  |
| 70°   | 6791.7 | 10021.4 | 8868.4  | 10078.2 | 14834.0 | 15090.7 | 13105.4 | 8118.7  | 5244.3  | 4538.1  |
| 72.5° | 5816.3 | 9127.8  | 8351.4  | 9089.6  | 13074.3 | 12543.1 | 11381.3 | 7135.4  | 3818.6  | 3273.2  |
| 75°   | 4818.8 | 7809.6  | 7615.1  | 7915.3  | 10760.4 | 9880.1  | 9456.4  | 5907.8  | 2997.0  | 2368.1  |
| 77.5° | 3718.3 | 6102.4  | 6550.0  | 6338.6  | 7574.2  | 7338.8  | 7329.9  | 4439.5  | 2189.6  | 1580.2  |
| 80°   | 2544.9 | 4253.0  | 5117.3  | 4471.5  | 4915.6  | 4795.7  | 5520.5  | 2978.3  | 1588.2  | 951.3   |
| 82.5° | 1495.8 | 2589.3  | 3561.9  | 2164.7  | 2718.1  | 2790.0  | 3287.5  | 1448.8  | 934.5   | 219.4   |
| 85°   | 606.7  | 1022.4  | 1392.8  | 847.4   | 1311.1  | 1105.9  | 1248.0  | 406.8   | 260.3   | 5.3     |
| 87.5° | 152.8  | 326.9   | 229.2   | 95.0    | 151.9   | 139.5   | 110.1   | 49.7    | 10.7    | 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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**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1785.4 | 0°    | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 |
| 2017.2 | 2.5°  | 1982.6 | 1962.2 | 1911.5 | 1860.9 | 1820.0 | 1765.0 | 1728.6 | 1685.0 | 1643.3 | 1606.0 |
| 2248.2 | 5°    | 2192.2 | 2124.7 | 2032.3 | 1948.0 | 1861.8 | 1778.3 | 1695.7 | 1608.6 | 1528.7 | 1479.8 |
| 2443.6 | 7.5°  | 2362.8 | 2243.7 | 2121.2 | 2013.7 | 1909.8 | 1812.1 | 1702.8 | 1597.1 | 1471.8 | 1405.2 |
| 2592.8 | 10°   | 2489.8 | 2333.5 | 2172.7 | 2049.2 | 1944.4 | 1849.4 | 1757.0 | 1650.4 | 1499.4 | 1415.9 |
| 2683.4 | 12.5° | 2573.3 | 2387.6 | 2199.3 | 2058.1 | 1940.9 | 1867.1 | 1826.3 | 1784.5 | 1634.4 | 1536.7 |
| 2750.1 | 15°   | 2631.0 | 2425.8 | 2218.0 | 2037.7 | 1893.8 | 1839.6 | 1880.5 | 1928.4 | 1832.5 | 1719.7 |
| 2819.3 | 17.5° | 2694.1 | 2475.6 | 2226.0 | 1982.6 | 1802.3 | 1779.2 | 1884.9 | 1995.9 | 1991.5 | 1879.6 |
| 2885.1 | 20°   | 2760.7 | 2519.1 | 2220.7 | 1893.8 | 1691.3 | 1711.7 | 1846.7 | 1975.5 | 2029.7 | 1969.3 |
| 2960.6 | 22.5° | 2829.1 | 2560.9 | 2200.2 | 1778.3 | 1587.3 | 1651.3 | 1786.3 | 1899.1 | 1963.1 | 1944.4 |
| 3053.0 | 25°   | 2915.3 | 2619.5 | 2170.0 | 1653.9 | 1501.2 | 1590.0 | 1716.1 | 1807.6 | 1852.0 | 1851.1 |
| 3152.4 | 27.5° | 3018.3 | 2697.7 | 2154.0 | 1553.6 | 1439.9 | 1520.7 | 1632.6 | 1714.3 | 1745.4 | 1745.4 |
| 3275.9 | 30°   | 3138.2 | 2790.0 | 2136.3 | 1487.8 | 1404.3 | 1448.8 | 1535.8 | 1615.7 | 1646.8 | 1646.8 |
| 3410.9 | 32.5° | 3271.5 | 2878.9 | 2093.6 | 1447.9 | 1377.7 | 1378.6 | 1433.7 | 1506.5 | 1543.8 | 1549.1 |
| 3579.7 | 35°   | 3431.4 | 2973.9 | 2000.4 | 1415.9 | 1346.6 | 1310.2 | 1336.8 | 1397.2 | 1441.6 | 1453.2 |
| 3820.4 | 37.5° | 3641.0 | 3090.3 | 1867.1 | 1368.8 | 1298.6 | 1238.2 | 1244.5 | 1290.6 | 1339.5 | 1357.3 |
| 4152.6 | 40°   | 3922.6 | 3227.1 | 1728.6 | 1301.3 | 1231.1 | 1159.2 | 1156.5 | 1190.3 | 1238.2 | 1257.8 |
| 4602.1 | 42.5° | 4294.7 | 3391.4 | 1596.2 | 1236.5 | 1149.4 | 1075.7 | 1071.2 | 1097.9 | 1139.6 | 1160.1 |
| 5195.4 | 45°   | 4770.9 | 3593.0 | 1482.5 | 1185.8 | 1069.5 | 996.6  | 994.9  | 1017.1 | 1053.5 | 1074.8 |
| 5954.9 | 47.5° | 5432.6 | 3794.7 | 1405.2 | 1159.2 | 1006.4 | 931.8  | 935.3  | 954.9  | 987.7  | 1002.8 |
| 6938.2 | 50°   | 6295.1 | 3855.9 | 1366.1 | 1159.2 | 972.6  | 874.0  | 891.8  | 907.8  | 932.7  | 941.6  |
| 8116.9 | 52.5° | 7123.0 | 3653.4 | 1330.6 | 1166.3 | 977.1  | 825.2  | 863.4  | 874.9  | 896.3  | 899.8  |
| 9209.5 | 55°   | 7528.9 | 3140.9 | 1281.8 | 1168.1 | 1004.6 | 783.4  | 840.3  | 861.6  | 869.6  | 868.7  |
| 9843.7 | 57.5° | 7389.5 | 2539.5 | 1199.2 | 1161.0 | 1023.3 | 756.8  | 811.9  | 852.7  | 858.1  | 850.1  |
| 9722.9 | 60°   | 6900.0 | 1869.8 | 1136.1 | 1108.6 | 1016.2 | 748.8  | 768.3  | 833.2  | 841.2  | 830.5  |
| 8792.0 | 62.5° | 6079.3 | 1297.8 | 1087.2 | 993.1  | 985.1  | 746.1  | 700.0  | 790.6  | 810.1  | 795.0  |
| 7067.0 | 65°   | 4786.0 | 916.7  | 936.2  | 870.5  | 917.6  | 731.9  | 628.9  | 739.0  | 765.7  | 742.6  |
| 5127.0 | 67.5° | 3238.6 | 661.8  | 758.6  | 788.8  | 808.3  | 700.0  | 577.4  | 680.4  | 715.9  | 685.7  |
| 3290.1 | 70°   | 1749.0 | 464.6  | 501.0  | 664.4  | 686.6  | 644.9  | 531.2  | 620.9  | 661.8  | 628.9  |
| 2338.8 | 72.5° | 1033.0 | 334.0  | 350.9  | 533.8  | 572.0  | 567.6  | 479.7  | 551.6  | 601.4  | 562.3  |
| 1614.0 | 75°   | 569.4  | 225.6  | 250.5  | 387.3  | 464.6  | 437.9  | 412.2  | 467.2  | 517.9  | 479.7  |
| 1011.7 | 77.5° | 254.9  | 135.0  | 174.1  | 254.0  | 365.1  | 300.2  | 318.9  | 364.2  | 411.3  | 371.3  |
| 563.2  | 80°   | 98.6   | 75.5   | 115.5  | 138.6  | 265.6  | 166.1  | 205.2  | 268.3  | 302.0  | 270.0  |
| 122.6  | 82.5° | 12.4   | 33.8   | 49.7   | 54.2   | 154.6  | 87.9   | 119.0  | 168.8  | 166.1  | 143.9  |
| 0.0    | 85°   | 0.0    | 6.2    | 7.1    | 3.6    | 66.6   | 32.0   | 39.1   | 55.1   | 51.5   | 39.1   |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.8    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1785.4 | 0°    | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 |
| 1598.9 | 2.5°  | 1555.3 | 1523.4 | 1507.4 | 1494.1 | 1506.5 | 1513.6 | 1513.6 | 1543.8 | 1561.6 | 1568.7 |
| 1448.8 | 5°    | 1370.6 | 1311.1 | 1271.1 | 1247.1 | 1255.1 | 1264.0 | 1273.8 | 1312.0 | 1337.7 | 1354.6 |
| 1344.8 | 7.5°  | 1224.9 | 1134.3 | 1078.3 | 1049.0 | 1053.5 | 1059.7 | 1067.7 | 1105.0 | 1130.8 | 1153.0 |
| 1325.3 | 10°   | 1153.0 | 1025.1 | 951.3  | 915.8  | 909.6  | 906.0  | 903.4  | 925.6  | 945.1  | 962.9  |
| 1405.2 | 12.5° | 1156.5 | 978.0  | 888.3  | 844.7  | 826.1  | 804.8  | 787.9  | 791.4  | 803.9  | 826.1  |
| 1548.2 | 15°   | 1201.8 | 962.9  | 855.4  | 801.2  | 770.1  | 745.3  | 724.8  | 720.4  | 724.8  | 728.4  |
| 1711.7 | 17.5° | 1263.1 | 961.1  | 827.0  | 759.5  | 727.5  | 707.1  | 688.4  | 682.2  | 683.1  | 687.5  |
| 1820.0 | 20°   | 1312.0 | 955.8  | 795.0  | 719.5  | 691.1  | 673.3  | 654.6  | 648.4  | 650.2  | 651.1  |
| 1830.7 | 22.5° | 1337.7 | 947.8  | 759.5  | 679.5  | 655.5  | 637.8  | 620.9  | 620.0  | 620.0  | 625.3  |
| 1773.0 | 25°   | 1337.7 | 930.9  | 727.5  | 641.3  | 620.0  | 604.0  | 583.6  | 587.1  | 588.9  | 596.0  |
| 1683.3 | 27.5° | 1305.7 | 898.9  | 701.7  | 608.5  | 586.3  | 570.3  | 551.6  | 556.1  | 558.7  | 566.7  |
| 1594.4 | 30°   | 1264.9 | 860.7  | 672.4  | 577.4  | 551.6  | 540.1  | 524.1  | 525.9  | 529.4  | 538.3  |
| 1511.8 | 32.5° | 1221.4 | 815.4  | 648.4  | 546.3  | 520.5  | 511.6  | 493.9  | 496.5  | 500.1  | 509.9  |
| 1430.1 | 35°   | 1173.4 | 762.1  | 620.0  | 517.9  | 492.1  | 485.0  | 464.6  | 466.3  | 471.7  | 482.3  |
| 1342.2 | 37.5° | 1122.8 | 718.6  | 591.6  | 490.3  | 463.7  | 456.6  | 435.2  | 437.0  | 443.2  | 455.7  |
| 1249.8 | 40°   | 1073.0 | 676.0  | 561.4  | 461.0  | 434.4  | 428.1  | 405.0  | 406.8  | 413.9  | 427.3  |
| 1156.5 | 42.5° | 1018.8 | 643.1  | 522.3  | 430.8  | 402.4  | 396.2  | 374.8  | 377.5  | 385.5  | 398.8  |
| 1070.4 | 45°   | 954.0  | 621.8  | 478.8  | 402.4  | 370.4  | 364.2  | 344.6  | 350.0  | 358.9  | 372.2  |
| 996.6  | 47.5° | 887.4  | 612.9  | 442.4  | 372.2  | 337.5  | 332.2  | 316.2  | 325.1  | 334.9  | 345.5  |
| 933.6  | 50°   | 823.4  | 601.4  | 405.0  | 343.8  | 309.1  | 303.8  | 293.1  | 304.7  | 314.4  | 324.2  |
| 888.3  | 52.5° | 750.6  | 576.5  | 371.3  | 318.9  | 285.1  | 283.4  | 278.0  | 288.7  | 297.6  | 306.5  |
| 849.2  | 55°   | 675.1  | 536.5  | 342.0  | 296.7  | 264.7  | 266.5  | 263.8  | 272.7  | 279.8  | 287.8  |
| 813.6  | 57.5° | 609.3  | 485.9  | 318.9  | 272.7  | 246.9  | 252.3  | 248.7  | 253.2  | 257.6  | 267.4  |
| 771.0  | 60°   | 542.7  | 425.5  | 293.1  | 244.3  | 229.2  | 235.4  | 225.6  | 224.7  | 226.5  | 229.2  |
| 707.9  | 62.5° | 453.0  | 362.4  | 261.1  | 219.4  | 209.6  | 212.3  | 193.6  | 179.4  | 179.4  | 182.1  |
| 620.0  | 65°   | 364.2  | 303.8  | 225.6  | 191.0  | 183.0  | 181.2  | 154.6  | 135.0  | 133.2  | 141.2  |
| 517.9  | 67.5° | 299.3  | 252.3  | 190.1  | 159.0  | 153.7  | 155.4  | 135.9  | 116.4  | 114.6  | 123.5  |
| 421.9  | 70°   | 247.8  | 203.4  | 151.9  | 122.6  | 127.9  | 135.9  | 116.4  | 97.7   | 95.0   | 103.0  |
| 342.9  | 72.5° | 197.2  | 159.0  | 116.4  | 90.6   | 105.7  | 115.5  | 95.0   | 77.3   | 75.5   | 82.6   |
| 264.7  | 75°   | 144.8  | 113.7  | 79.1   | 65.7   | 81.7   | 90.6   | 69.3   | 55.1   | 52.4   | 58.6   |
| 176.8  | 77.5° | 89.7   | 64.0   | 49.7   | 39.1   | 56.0   | 60.4   | 36.4   | 32.0   | 31.1   | 35.5   |
| 107.5  | 80°   | 41.7   | 27.5   | 24.0   | 13.3   | 20.4   | 24.0   | 15.1   | 16.9   | 17.8   | 21.3   |
| 54.2   | 82.5° | 11.5   | 4.4    | 0.9    | 0.0    | 0.0    | 7.1    | 3.6    | 7.1    | 8.9    | 13.3   |
| 4.4    | 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.8    | 4.4    | 8.0    |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.6    |
| 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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|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1785.4 | 0°    | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 | 1785.4 |
| 1618.4 | 2.5°  | 1655.7 | 1691.3 | 1748.1 | 1806.7 | 1864.5 | 1923.1 | 1979.9 | 2000.4 |
| 1431.9 | 5°    | 1502.1 | 1583.8 | 1696.6 | 1817.4 | 1941.7 | 2067.9 | 2183.3 | 2235.8 |
| 1239.1 | 7.5°  | 1330.6 | 1447.9 | 1617.5 | 1806.7 | 2004.8 | 2202.9 | 2385.0 | 2469.4 |
| 1048.1 | 10°   | 1147.6 | 1296.0 | 1489.6 | 1745.4 | 2029.7 | 2303.3 | 2553.8 | 2663.0 |
| 880.3  | 12.5° | 973.5  | 1129.0 | 1343.1 | 1649.5 | 2010.1 | 2361.0 | 2662.1 | 2790.9 |
| 762.1  | 15°   | 827.9  | 965.5  | 1196.5 | 1535.8 | 1947.1 | 2364.6 | 2713.6 | 2854.9 |
| 696.4  | 17.5° | 718.6  | 808.3  | 1047.3 | 1409.7 | 1864.5 | 2331.7 | 2731.4 | 2882.4 |
| 660.9  | 20°   | 664.4  | 689.3  | 853.6  | 1248.0 | 1787.2 | 2300.6 | 2749.2 | 2908.2 |
| 632.4  | 22.5° | 632.4  | 638.7  | 698.2  | 1039.3 | 1694.8 | 2290.8 | 2780.3 | 2943.7 |
| 606.7  | 25°   | 606.7  | 608.5  | 624.4  | 823.4  | 1553.6 | 2284.6 | 2828.2 | 2992.6 |
| 580.0  | 27.5° | 580.9  | 580.9  | 589.8  | 663.5  | 1361.7 | 2258.0 | 2890.4 | 3051.2 |
| 553.4  | 30°   | 555.2  | 555.2  | 561.4  | 587.1  | 1137.0 | 2205.6 | 2965.0 | 3127.6 |
| 526.7  | 32.5° | 528.5  | 528.5  | 533.8  | 552.5  | 907.8  | 2139.8 | 3033.4 | 3204.8 |
| 499.2  | 35°   | 501.9  | 500.1  | 507.2  | 526.7  | 722.2  | 2056.3 | 3101.8 | 3288.3 |
| 471.7  | 37.5° | 473.4  | 472.6  | 479.7  | 501.9  | 623.6  | 1959.5 | 3153.3 | 3402.0 |
| 444.1  | 40°   | 443.2  | 443.2  | 451.2  | 475.2  | 595.1  | 1837.8 | 3235.0 | 3565.5 |
| 415.7  | 42.5° | 415.7  | 413.9  | 422.8  | 452.1  | 573.8  | 1721.5 | 3381.6 | 3803.5 |
| 389.9  | 45°   | 389.1  | 385.5  | 393.5  | 429.9  | 536.5  | 1680.6 | 3655.2 | 4155.3 |
| 365.1  | 47.5° | 364.2  | 355.3  | 362.4  | 403.3  | 502.8  | 1833.4 | 4102.9 | 4642.9 |
| 342.9  | 50°   | 343.8  | 326.9  | 333.1  | 376.6  | 477.0  | 2164.7 | 4683.8 | 5290.5 |
| 322.4  | 52.5° | 322.4  | 300.2  | 303.8  | 343.8  | 453.9  | 2480.0 | 5313.6 | 6145.0 |
| 302.0  | 55°   | 300.2  | 275.4  | 277.1  | 310.9  | 421.0  | 2527.1 | 5928.3 | 7310.4 |
| 278.9  | 57.5° | 275.4  | 252.3  | 252.3  | 280.7  | 397.1  | 2190.5 | 6400.8 | 8756.5 |
| 250.5  | 60°   | 247.8  | 232.7  | 228.3  | 256.7  | 418.4  | 1545.6 | 6455.9 | 9689.2 |
| 214.1  | 62.5° | 217.6  | 209.6  | 203.4  | 233.6  | 434.4  | 915.8  | 6012.6 | 9463.5 |
| 168.8  | 65°   | 183.0  | 181.2  | 176.8  | 256.7  | 366.0  | 541.0  | 5161.7 | 8771.6 |
| 143.9  | 67.5° | 153.7  | 151.0  | 151.0  | 269.1  | 278.0  | 340.2  | 4032.7 | 7819.4 |
| 122.6  | 70°   | 132.4  | 122.6  | 122.6  | 203.4  | 168.8  | 235.4  | 2815.8 | 6791.7 |
| 101.3  | 72.5° | 111.0  | 100.4  | 93.3   | 162.6  | 126.1  | 172.3  | 1759.6 | 5816.3 |
| 77.3   | 75°   | 88.8   | 80.8   | 71.9   | 107.5  | 94.2   | 130.6  | 1022.4 | 4818.8 |
| 48.9   | 77.5° | 64.0   | 60.4   | 50.6   | 79.1   | 68.4   | 94.2   | 608.5  | 3718.3 |
| 30.2   | 80°   | 32.9   | 33.8   | 32.0   | 45.3   | 46.2   | 64.0   | 346.4  | 2544.9 |
| 19.5   | 82.5° | 19.5   | 15.1   | 16.9   | 22.2   | 26.6   | 36.4   | 130.6  | 1495.8 |
| 14.2   | 85°   | 12.4   | 8.0    | 8.0    | 10.7   | 13.3   | 14.2   | 40.0   | 606.7  |
| 7.1    | 87.5° | 6.2    | 2.7    | 3.6    | 5.3    | 4.4    | 3.6    | 1.8    | 152.8  |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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