

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: P948126

Luminaire Tested: **GLAN-SB3B-735-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948126  
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-SB3B-735-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16862 lumens  
Efficiency: N/A  
Efficacy: 154.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - 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



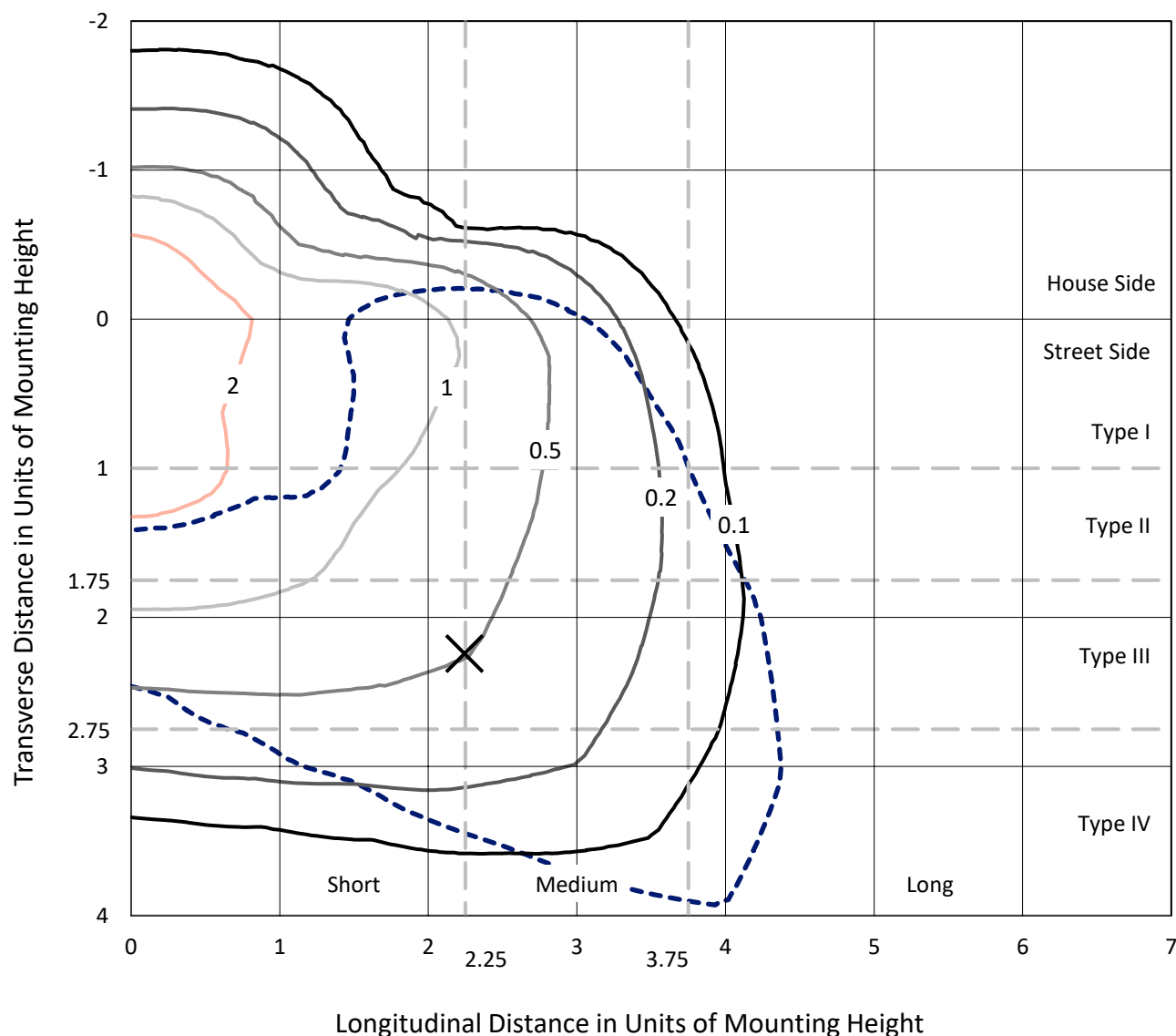
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

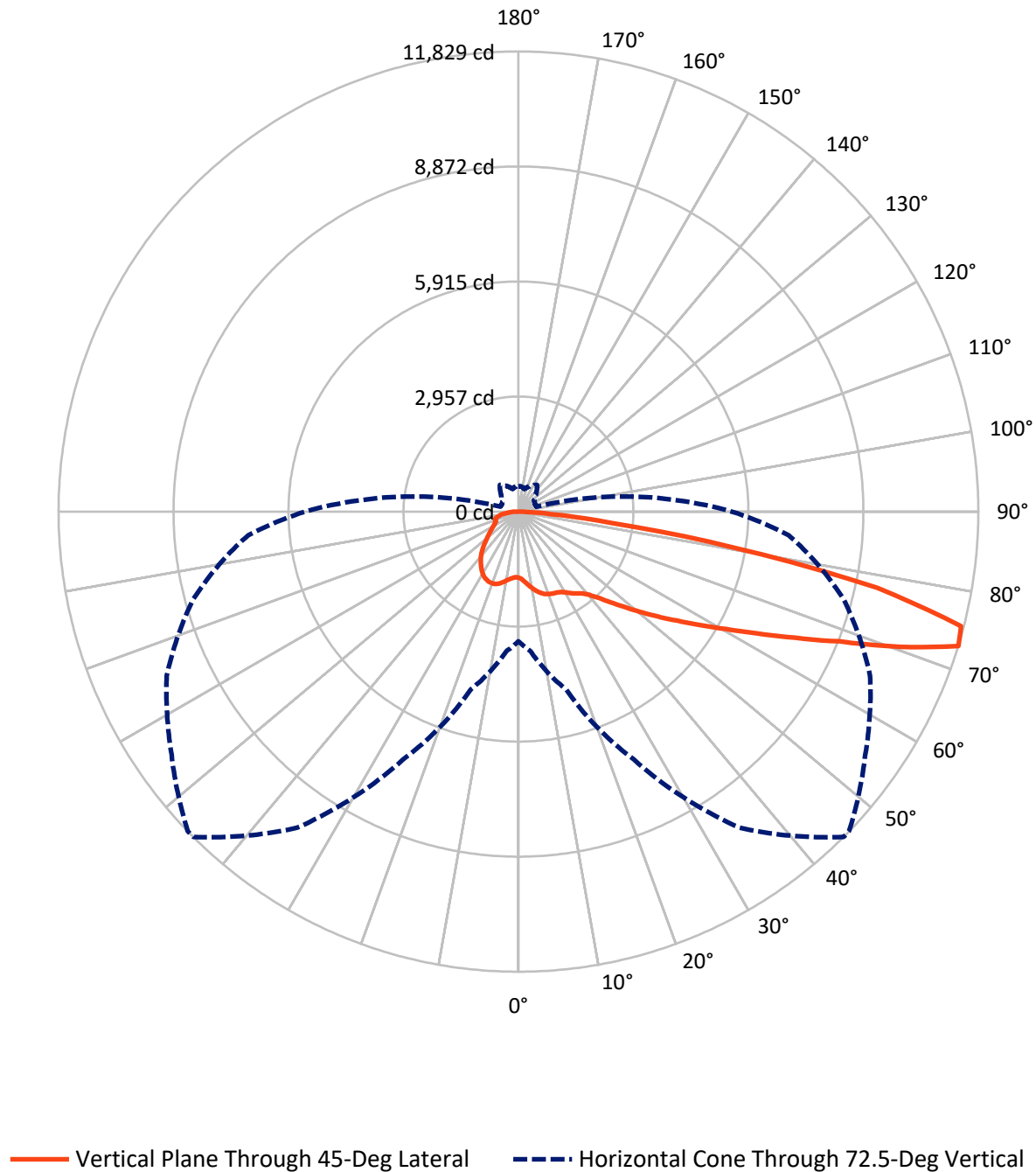


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc

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    | 3811.9   | 0.0    | 3811.9  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 13050.1  | 0.0    | 13050.1 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 16862.0  | 0.0    | 16862.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 173.1   | 1.0       |
| 10°-20°   | 577.2   | 3.4       |
| 20°-30°   | 1004.2  | 6.0       |
| 30°-40°   | 1439.5  | 8.5       |
| 40°-50°   | 2026.9  | 12.0      |
| 50°-60°   | 3104.6  | 18.4      |
| 60°-70°   | 4497.5  | 26.7      |
| 70°-80°   | 3591.5  | 21.3      |
| 80°-90°   | 447.3   | 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°    | 16862.0 | 100.0     |
| 0°-180°   | 16862.0 | 100.0     |

**Coefficient of Utilization**



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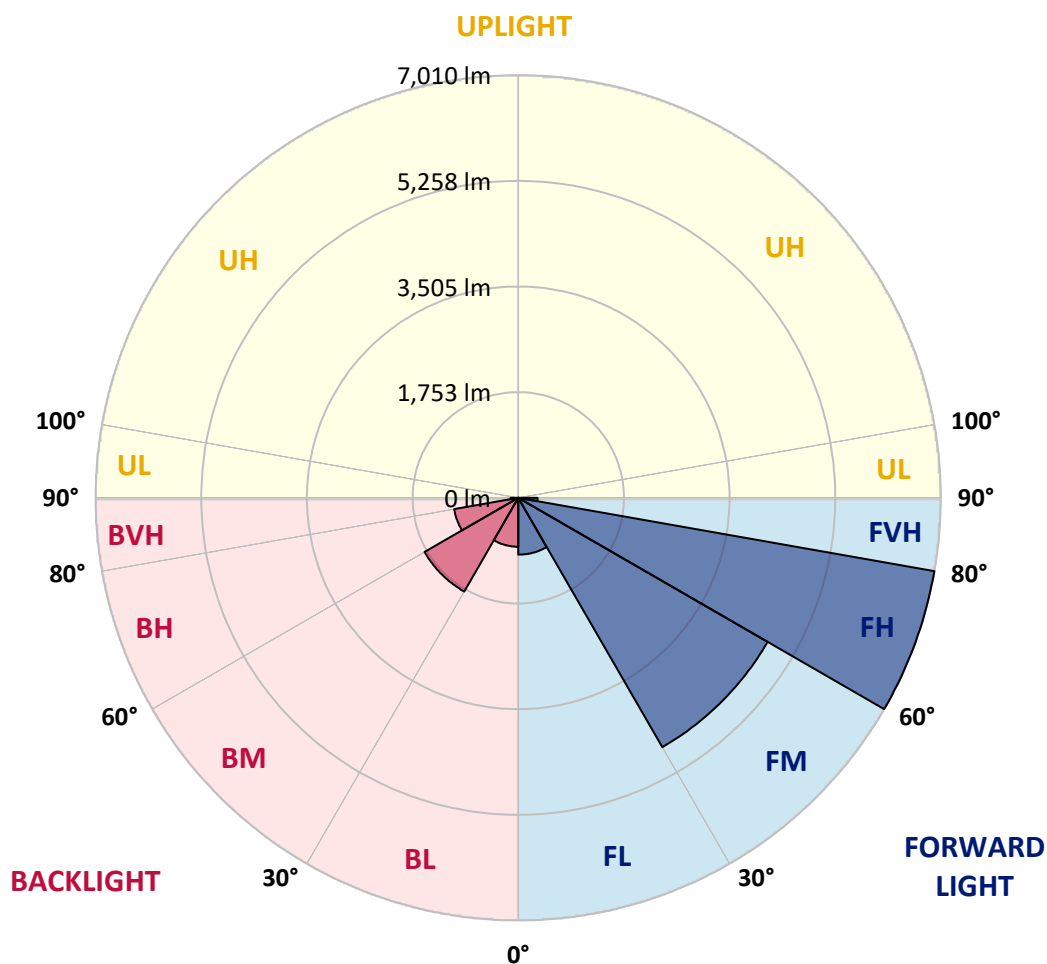
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 942.9  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 4776.2 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 7010.0 | 41.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 320.9  | 1.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 811.6  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1794.9 | 10.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1079.1 | 6.4       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 126.4  | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 46°     | 55°     | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0°    | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0  | 1701.0  | 1701.0  | 1701.0 | 1701.0 |
| 2.5°  | 1767.7 | 1779.2 | 1768.6 | 1758.8 | 1754.3 | 1742.8  | 1741.9  | 1734.8  | 1730.4 | 1717.9 |
| 5°    | 1891.1 | 1906.2 | 1888.5 | 1868.9 | 1851.2 | 1822.7  | 1819.2  | 1798.8  | 1775.7 | 1749.0 |
| 7.5°  | 2030.6 | 2043.9 | 2023.5 | 1994.2 | 1963.1 | 1916.0  | 1915.1  | 1877.8  | 1841.4 | 1796.1 |
| 10°   | 2152.3 | 2170.1 | 2142.5 | 2102.5 | 2063.5 | 2010.2  | 2003.9  | 1961.3  | 1915.1 | 1856.5 |
| 12.5° | 2259.8 | 2272.2 | 2245.6 | 2196.7 | 2151.4 | 2098.1  | 2090.1  | 2043.0  | 1991.5 | 1924.9 |
| 15°   | 2345.0 | 2361.0 | 2325.5 | 2273.1 | 2225.1 | 2172.7  | 2165.6  | 2123.0  | 2071.5 | 2001.3 |
| 17.5° | 2401.0 | 2414.3 | 2377.9 | 2319.3 | 2273.1 | 2229.6  | 2224.2  | 2188.7  | 2143.4 | 2072.3 |
| 20°   | 2422.3 | 2436.5 | 2398.3 | 2338.8 | 2296.2 | 2262.4  | 2259.8  | 2234.0  | 2202.9 | 2138.1 |
| 22.5° | 2443.6 | 2457.0 | 2407.2 | 2345.0 | 2307.7 | 2286.4  | 2285.5  | 2268.7  | 2256.2 | 2202.9 |
| 25°   | 2529.8 | 2533.4 | 2466.7 | 2377.0 | 2323.7 | 2305.1  | 2304.2  | 2303.3  | 2308.6 | 2266.9 |
| 27.5° | 2604.4 | 2603.5 | 2546.7 | 2462.3 | 2379.7 | 2340.6  | 2339.7  | 2348.6  | 2365.5 | 2330.8 |
| 30°   | 2713.7 | 2703.9 | 2636.4 | 2548.5 | 2473.0 | 2412.6  | 2407.2  | 2399.2  | 2412.6 | 2385.0 |
| 32.5° | 2945.5 | 2914.4 | 2805.2 | 2648.8 | 2550.2 | 2504.0  | 2496.9  | 2447.2  | 2452.5 | 2435.7 |
| 35°   | 3277.7 | 3236.9 | 3091.2 | 2838.9 | 2646.2 | 2580.4  | 2576.9  | 2513.8  | 2503.2 | 2488.1 |
| 37.5° | 3673.0 | 3622.4 | 3452.7 | 3114.3 | 2811.4 | 2669.3  | 2663.9  | 2607.1  | 2563.6 | 2547.6 |
| 40°   | 4070.1 | 4006.1 | 3865.8 | 3450.1 | 3054.8 | 2817.6  | 2800.7  | 2714.6  | 2664.8 | 2638.2 |
| 42.5° | 4455.6 | 4402.3 | 4282.4 | 3826.7 | 3355.0 | 3034.3  | 2997.0  | 2849.6  | 2812.3 | 2787.4 |
| 45°   | 4796.7 | 4748.7 | 4660.8 | 4229.1 | 3706.8 | 3329.3  | 3292.8  | 3052.1  | 3040.6 | 3040.6 |
| 47.5° | 5073.8 | 5063.2 | 4969.9 | 4639.5 | 4121.6 | 3665.0  | 3602.0  | 3333.7  | 3364.8 | 3412.8 |
| 50°   | 5381.2 | 5351.9 | 5252.4 | 5043.6 | 4609.3 | 4049.6  | 3998.1  | 3679.2  | 3795.6 | 3927.1 |
| 52.5° | 5663.6 | 5679.6 | 5568.6 | 5464.7 | 5160.0 | 4478.7  | 4388.1  | 4087.0  | 4338.3 | 4556.0 |
| 55°   | 5954.1 | 5955.0 | 5923.9 | 5909.7 | 5737.4 | 4953.0  | 4853.5  | 4577.3  | 4977.0 | 5247.0 |
| 57.5° | 6226.8 | 6228.6 | 6274.8 | 6400.0 | 6407.1 | 5500.2  | 5387.4  | 5179.5  | 5686.7 | 5962.1 |
| 60°   | 6470.2 | 6482.6 | 6608.8 | 6901.9 | 6996.1 | 6127.3  | 6020.7  | 5891.0  | 6420.5 | 6697.6 |
| 62.5° | 6551.9 | 6597.2 | 6877.9 | 7294.5 | 7577.9 | 6896.6  | 6791.8  | 6714.5  | 7191.5 | 7449.1 |
| 65°   | 6413.3 | 6517.3 | 7060.0 | 7618.7 | 8176.6 | 7810.6  | 7706.7  | 7622.3  | 7992.7 | 8235.2 |
| 67.5° | 6073.1 | 6207.3 | 7049.4 | 7958.9 | 8903.2 | 8910.3  | 8813.5  | 8615.4  | 8851.7 | 8944.9 |
| 70°   | 5176.9 | 5377.6 | 6428.4 | 8086.0 | 9737.3 | 10414.1 | 10320.9 | 9811.0  | 9708.9 | 9257.6 |
| 72.5° | 3335.5 | 3605.5 | 4733.6 | 7040.5 | 9922.9 | 11829.2 | 11823.8 | 10890.3 | 9979.8 | 8650.0 |
| 75°   | 1216.9 | 1382.2 | 2199.4 | 4419.2 | 8329.4 | 11757.2 | 11791.9 | 10705.5 | 9110.2 | 6681.6 |
| 77.5° | 443.2  | 485.0  | 717.7  | 1698.4 | 5122.7 | 9433.5  | 9505.4  | 8558.5  | 6484.4 | 3353.2 |
| 80°   | 232.7  | 255.8  | 367.7  | 659.1  | 2194.9 | 5602.4  | 5715.2  | 5086.3  | 3047.7 | 1010.0 |
| 82.5° | 128.8  | 139.5  | 206.1  | 358.0  | 988.7  | 2395.7  | 2463.2  | 2009.3  | 1072.1 | 428.1  |
| 85°   | 69.3   | 73.7   | 96.8   | 195.4  | 483.2  | 830.5   | 849.2   | 600.5   | 427.3  | 251.4  |
| 87.5° | 20.4   | 24.9   | 32.0   | 62.2   | 189.2  | 186.5   | 191.0   | 119.0   | 168.8  | 127.0  |
| 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1701.0 | 0°    | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 | 1701.0 |
| 1714.4 | 2.5°  | 1709.0 | 1706.4 | 1696.6 | 1692.2 | 1686.8 | 1685.9 | 1690.4 | 1691.3 | 1692.2 | 1693.1 |
| 1733.9 | 5°    | 1725.0 | 1716.1 | 1707.3 | 1701.9 | 1703.7 | 1704.6 | 1713.5 | 1719.7 | 1724.1 | 1727.7 |
| 1770.3 | 7.5°  | 1756.1 | 1749.0 | 1733.9 | 1733.0 | 1735.7 | 1743.7 | 1755.2 | 1769.4 | 1777.4 | 1783.7 |
| 1817.4 | 10°   | 1802.3 | 1789.0 | 1771.2 | 1773.9 | 1779.2 | 1790.8 | 1814.7 | 1826.3 | 1839.6 | 1851.2 |
| 1875.1 | 12.5° | 1849.4 | 1837.8 | 1817.4 | 1819.2 | 1828.1 | 1848.5 | 1871.6 | 1885.8 | 1894.7 | 1903.6 |
| 1937.3 | 15°   | 1910.7 | 1890.3 | 1868.0 | 1868.0 | 1884.0 | 1906.2 | 1916.9 | 1928.4 | 1933.8 | 1943.5 |
| 2003.9 | 17.5° | 1973.7 | 1947.1 | 1917.8 | 1916.0 | 1935.6 | 1946.2 | 1952.4 | 1954.2 | 1956.0 | 1966.6 |
| 2068.8 | 20°   | 2036.8 | 2007.5 | 1965.8 | 1962.2 | 1966.6 | 1964.9 | 1964.0 | 1962.2 | 1964.9 | 1978.2 |
| 2135.4 | 22.5° | 2099.0 | 2065.2 | 2007.5 | 1991.5 | 1979.1 | 1962.2 | 1961.3 | 1960.4 | 1962.2 | 1975.5 |
| 2207.4 | 25°   | 2171.8 | 2131.0 | 2053.7 | 2005.7 | 1964.0 | 1940.9 | 1943.5 | 1944.4 | 1946.2 | 1956.9 |
| 2282.0 | 27.5° | 2250.9 | 2205.6 | 2096.3 | 2001.3 | 1925.8 | 1909.8 | 1905.4 | 1908.0 | 1914.2 | 1931.1 |
| 2356.6 | 30°   | 2329.9 | 2276.7 | 2135.4 | 1983.5 | 1877.8 | 1855.6 | 1841.4 | 1847.6 | 1867.2 | 1884.0 |
| 2421.4 | 32.5° | 2401.9 | 2348.6 | 2166.5 | 1944.4 | 1816.5 | 1781.9 | 1763.2 | 1771.2 | 1790.8 | 1797.0 |
| 2493.4 | 35°   | 2486.3 | 2425.9 | 2179.8 | 1882.3 | 1749.9 | 1696.6 | 1671.7 | 1660.2 | 1670.0 | 1663.7 |
| 2577.8 | 37.5° | 2580.4 | 2517.4 | 2178.1 | 1800.5 | 1671.7 | 1610.4 | 1575.8 | 1532.3 | 1511.8 | 1490.5 |
| 2702.1 | 40°   | 2719.9 | 2629.3 | 2156.7 | 1701.9 | 1574.9 | 1519.0 | 1456.8 | 1383.0 | 1336.9 | 1295.1 |
| 2902.9 | 42.5° | 2910.0 | 2784.7 | 2117.6 | 1593.6 | 1465.7 | 1413.2 | 1328.9 | 1242.7 | 1169.9 | 1100.6 |
| 3207.6 | 45°   | 3193.4 | 2988.2 | 2068.8 | 1478.1 | 1347.5 | 1296.0 | 1204.5 | 1107.7 | 1025.1 | 936.2  |
| 3640.2 | 47.5° | 3602.0 | 3261.7 | 2022.6 | 1346.6 | 1223.2 | 1176.1 | 1093.5 | 1003.8 | 906.0  | 819.9  |
| 4265.5 | 50°   | 4163.3 | 3654.4 | 1980.0 | 1218.7 | 1100.6 | 1065.0 | 999.3  | 907.8  | 809.2  | 739.9  |
| 4998.3 | 52.5° | 4877.5 | 4188.2 | 1962.2 | 1095.2 | 986.0  | 972.7  | 920.3  | 835.0  | 741.7  | 683.1  |
| 5852.8 | 55°   | 5697.4 | 4826.9 | 1962.2 | 977.1  | 885.6  | 890.1  | 853.6  | 774.6  | 693.7  | 641.3  |
| 6734.0 | 57.5° | 6534.2 | 5473.6 | 1926.7 | 867.8  | 800.3  | 819.0  | 795.9  | 726.6  | 653.8  | 599.6  |
| 7660.5 | 60°   | 7305.2 | 6015.4 | 1782.8 | 768.4  | 724.8  | 754.1  | 739.0  | 679.5  | 590.7  | 545.4  |
| 8435.1 | 62.5° | 7897.7 | 6321.0 | 1505.6 | 689.3  | 662.7  | 696.4  | 688.4  | 617.4  | 579.2  | 560.5  |
| 9071.1 | 65°   | 8194.3 | 6271.2 | 1151.2 | 619.1  | 610.2  | 662.7  | 645.8  | 643.1  | 612.9  | 591.6  |
| 9278.0 | 67.5° | 8012.2 | 5843.1 | 835.0  | 567.6  | 580.0  | 631.6  | 696.4  | 707.1  | 651.1  | 609.4  |
| 8695.3 | 70°   | 7213.7 | 5068.5 | 621.8  | 518.8  | 541.8  | 632.5  | 794.1  | 739.9  | 638.7  | 589.8  |
| 6973.9 | 72.5° | 5487.8 | 3779.6 | 482.3  | 467.2  | 492.1  | 636.9  | 837.6  | 724.8  | 603.1  | 652.0  |
| 4344.6 | 75°   | 3138.3 | 2075.0 | 387.3  | 404.2  | 429.9  | 595.1  | 815.4  | 685.7  | 575.6  | 598.7  |
| 1721.5 | 77.5° | 1196.5 | 797.7  | 319.8  | 342.0  | 345.5  | 519.6  | 779.9  | 683.1  | 548.1  | 534.7  |
| 516.1  | 80°   | 414.8  | 311.8  | 264.7  | 271.8  | 267.4  | 461.9  | 747.9  | 594.3  | 448.6  | 401.5  |
| 213.2  | 82.5° | 169.7  | 155.4  | 209.6  | 200.8  | 190.1  | 358.9  | 604.0  | 485.9  | 366.9  | 324.2  |
| 103.0  | 85°   | 73.7   | 98.6   | 138.6  | 121.7  | 110.1  | 248.7  | 484.1  | 411.3  | 310.0  | 267.4  |
| 33.8   | 87.5° | 15.1   | 37.3   | 58.6   | 55.1   | 56.8   | 166.1  | 343.8  | 292.2  | 219.4  | 164.3  |
| 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°   |
|--------|
| 1701.0 |
| 1696.6 |
| 1729.5 |
| 1785.4 |
| 1848.5 |
| 1907.1 |
| 1947.1 |
| 1970.2 |
| 1983.5 |
| 1984.4 |
| 1971.1 |
| 1948.0 |
| 1902.7 |
| 1819.2 |
| 1683.3 |
| 1503.9 |
| 1297.8 |
| 1094.4 |
| 925.6  |
| 810.1  |
| 735.5  |
| 678.6  |
| 636.0  |
| 590.7  |
| 538.3  |
| 554.3  |
| 584.5  |
| 602.3  |
| 581.8  |
| 646.7  |
| 598.7  |
| 487.7  |
| 388.2  |
| 320.7  |
| 266.5  |
| 128.8  |
| 0.0    |