

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: P939909

Luminaire Tested: **GLAN-SB2D-722-U-T4FT**

Issue Date: 1/21/2025

### Test Information

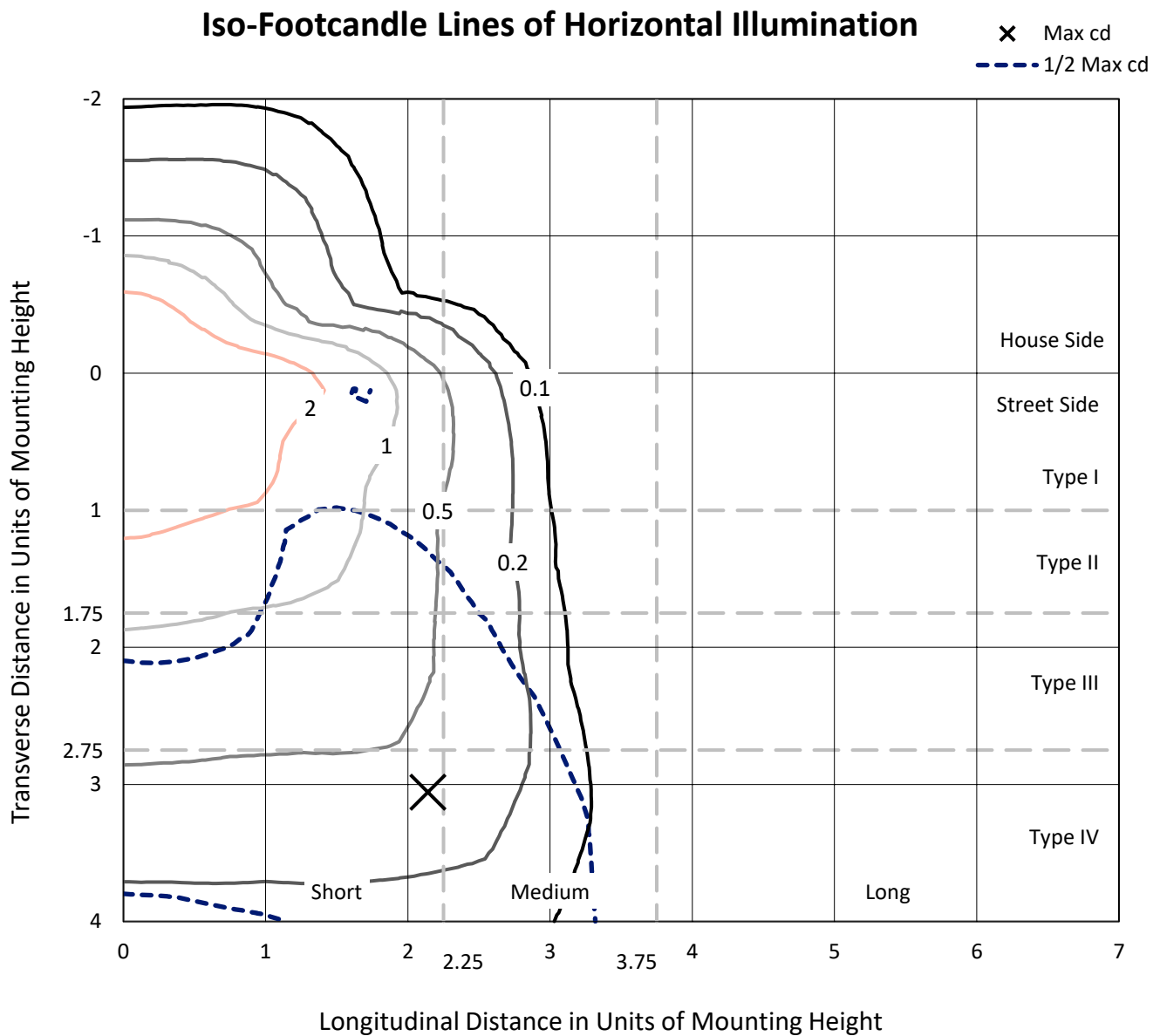
Test Method: LM-79-08  
Report Number: P939909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16616 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
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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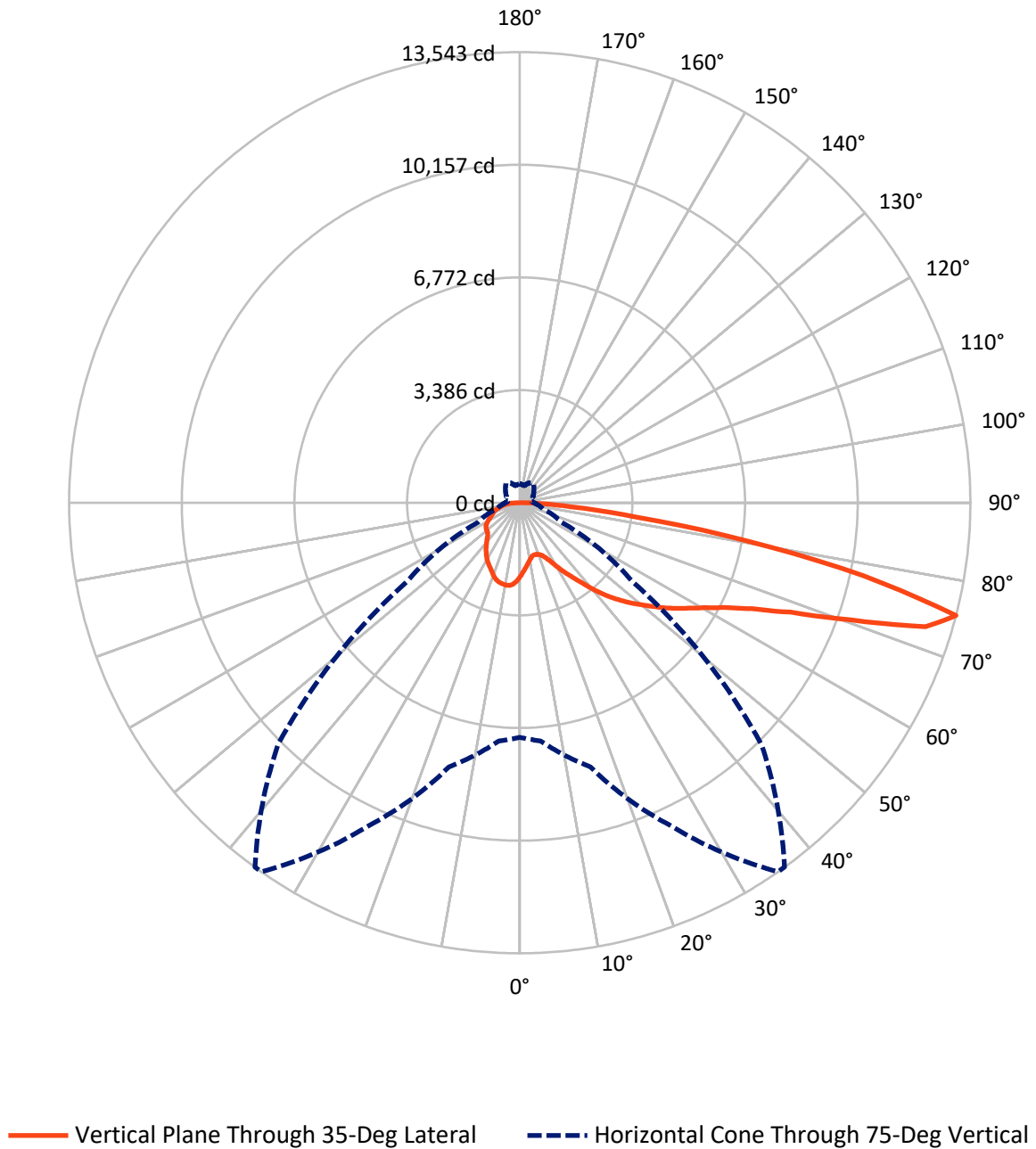


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3954.2   | 0.0    | 3954.2  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 12661.8  | 0.0    | 12661.8 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 16616.0  | 0.0    | 16616.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 209.6   | 1.3       |
| 10°-20°   | 604.7   | 3.6       |
| 20°-30°   | 1015.4  | 6.1       |
| 30°-40°   | 1578.1  | 9.5       |
| 40°-50°   | 2342.4  | 14.1      |
| 50°-60°   | 3233.8  | 19.5      |
| 60°-70°   | 3923.3  | 23.6      |
| 70°-80°   | 3242.3  | 19.5      |
| 80°-90°   | 466.3   | 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°    | 16616.0 | 100.0     |
| 0°-180°   | 16616.0 | 100.0     |

**Coefficient of Utilization**



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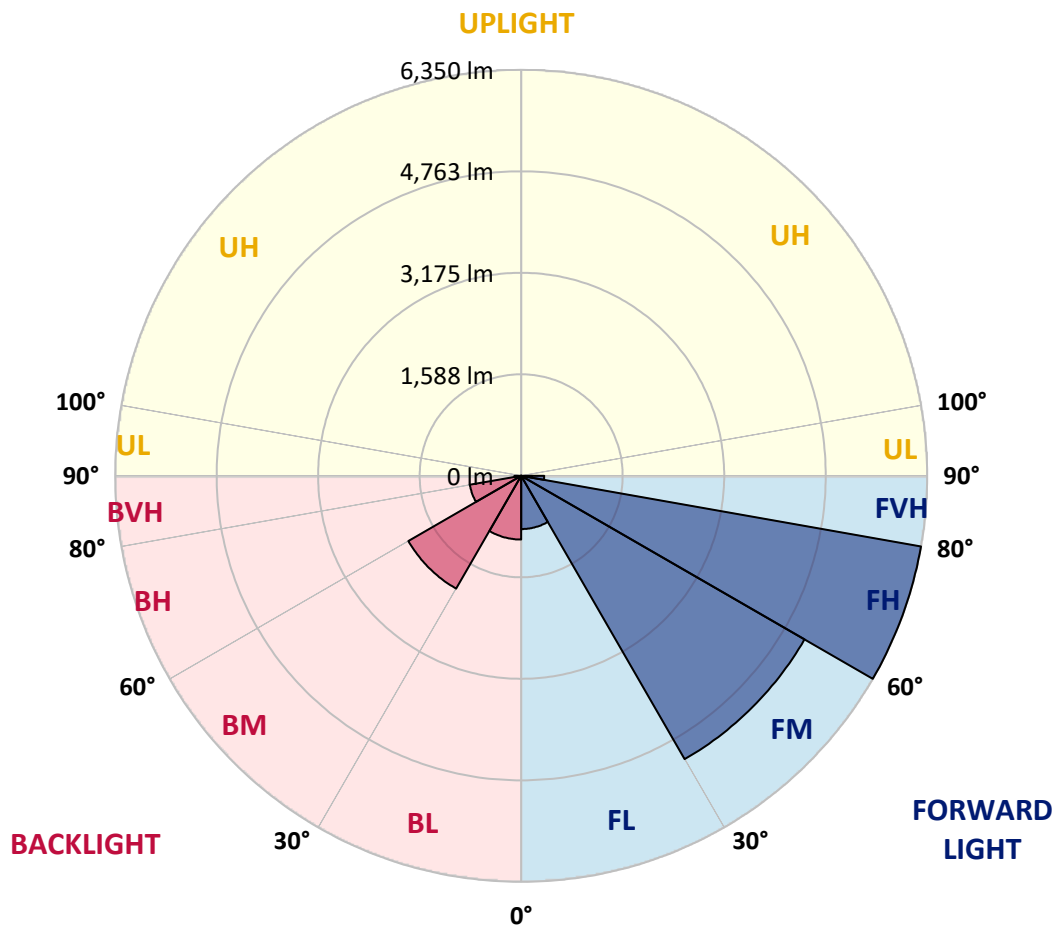
CATALOG NUMBER: GLAN-SB2D-722-U-T4FT

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 833.3  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 5116.8 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 6350.4 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 361.3  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 996.5  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2037.4 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 815.2  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 105.0  | 0.6       |                         |      | G2/225  |
| 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°     | 36°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2214.2 | 2214.2 | 2214.2 | 2214.2  | 2214.2  | 2214.2  | 2214.2  | 2214.2 | 2214.2 | 2214.2 |
| 2.5°  | 2041.7 | 2054.3 | 2059.7 | 2057.0  | 2070.5  | 2068.7  | 2087.5  | 2110.9 | 2143.2 | 2174.7 |
| 5°    | 1884.5 | 1898.0 | 1909.7 | 1920.5  | 1946.5  | 1954.6  | 1984.2  | 2029.2 | 2088.4 | 2148.6 |
| 7.5°  | 1738.1 | 1749.8 | 1767.8 | 1787.5  | 1831.5  | 1839.6  | 1889.0  | 1959.1 | 2041.7 | 2129.8 |
| 10°   | 1618.7 | 1630.3 | 1649.2 | 1671.6  | 1726.4  | 1736.3  | 1799.2  | 1892.6 | 2000.4 | 2111.8 |
| 12.5° | 1567.5 | 1571.0 | 1581.8 | 1604.3  | 1651.9  | 1658.2  | 1727.3  | 1834.2 | 1960.0 | 2098.3 |
| 15°   | 1564.8 | 1571.9 | 1572.8 | 1584.5  | 1624.0  | 1626.7  | 1690.5  | 1796.5 | 1934.8 | 2095.6 |
| 17.5° | 1591.7 | 1597.1 | 1589.0 | 1596.2  | 1629.4  | 1633.9  | 1684.2  | 1778.5 | 1926.8 | 2107.3 |
| 20°   | 1663.6 | 1668.1 | 1643.8 | 1633.9  | 1658.2  | 1661.8  | 1711.2  | 1790.2 | 1934.8 | 2131.6 |
| 22.5° | 1816.3 | 1819.0 | 1759.7 | 1719.3  | 1721.1  | 1722.8  | 1766.0  | 1837.8 | 1966.3 | 2175.6 |
| 25°   | 2054.3 | 2052.5 | 1958.2 | 1880.0  | 1835.1  | 1825.3  | 1854.0  | 1915.1 | 2019.3 | 2234.0 |
| 27.5° | 2332.8 | 2319.3 | 2225.0 | 2108.2  | 2010.3  | 1995.9  | 1989.6  | 2015.7 | 2094.7 | 2311.2 |
| 30°   | 2647.2 | 2634.6 | 2533.1 | 2380.4  | 2244.7  | 2221.4  | 2162.1  | 2148.6 | 2207.0 | 2416.3 |
| 32.5° | 2992.1 | 2984.0 | 2862.7 | 2677.7  | 2496.2  | 2469.3  | 2369.6  | 2333.7 | 2379.5 | 2575.3 |
| 35°   | 3281.3 | 3274.1 | 3173.5 | 2983.1  | 2761.2  | 2728.0  | 2626.5  | 2586.1 | 2609.4 | 2779.2 |
| 37.5° | 3542.7 | 3539.1 | 3452.9 | 3302.9  | 3073.8  | 3033.4  | 2919.3  | 2905.8 | 2901.4 | 3047.8 |
| 40°   | 3785.2 | 3776.3 | 3686.4 | 3607.4  | 3437.6  | 3400.8  | 3300.2  | 3288.5 | 3254.4 | 3378.3 |
| 42.5° | 4053.8 | 4030.5 | 3900.2 | 3863.4  | 3817.6  | 3787.0  | 3726.9  | 3728.6 | 3653.2 | 3751.1 |
| 45°   | 4273.0 | 4259.5 | 4125.7 | 4104.1  | 4153.5  | 4140.9  | 4193.0  | 4206.5 | 4060.1 | 4141.8 |
| 47.5° | 4508.3 | 4495.8 | 4382.6 | 4367.3  | 4501.1  | 4504.7  | 4688.9  | 4693.4 | 4457.1 | 4547.9 |
| 50°   | 4798.5 | 4780.5 | 4668.2 | 4687.1  | 4837.1  | 4850.6  | 5187.4  | 5156.9 | 4822.7 | 4960.2 |
| 52.5° | 4989.8 | 5000.6 | 4976.3 | 5006.9  | 5211.7  | 5224.2  | 5677.9  | 5599.7 | 5184.7 | 5367.1 |
| 55°   | 5130.8 | 5152.4 | 5227.8 | 5297.9  | 5606.9  | 5619.5  | 6140.5  | 6021.0 | 5484.7 | 5744.3 |
| 57.5° | 5312.3 | 5281.7 | 5422.8 | 5559.3  | 5982.4  | 6015.6  | 6590.5  | 6427.0 | 5750.6 | 6069.5 |
| 60°   | 5572.8 | 5551.2 | 5660.8 | 5862.9  | 6402.7  | 6455.7  | 7066.6  | 6792.6 | 5945.5 | 6327.3 |
| 62.5° | 6100.9 | 6047.0 | 6064.1 | 6242.9  | 6932.7  | 7002.8  | 7603.7  | 7111.5 | 6042.5 | 6427.9 |
| 65°   | 6890.5 | 6798.0 | 6711.7 | 6835.7  | 7679.2  | 7748.3  | 8210.0  | 7362.1 | 6006.6 | 6233.0 |
| 67.5° | 7884.9 | 7793.2 | 7687.3 | 7804.0  | 8778.6  | 8833.4  | 8958.3  | 7503.1 | 5723.7 | 5482.0 |
| 70°   | 8705.0 | 8670.8 | 8797.5 | 9278.1  | 10534.7 | 10536.5 | 9917.6  | 7386.3 | 4948.5 | 3886.7 |
| 72.5° | 8596.3 | 8575.6 | 9243.0 | 10728.7 | 12748.0 | 12700.4 | 10825.7 | 6502.5 | 3333.4 | 1753.4 |
| 75°   | 7052.2 | 7186.0 | 8219.9 | 10702.7 | 13543.0 | 13536.7 | 10269.7 | 4133.8 | 1378.8 | 726.7  |
| 77.5° | 3781.6 | 3993.6 | 5336.5 | 7901.9  | 10572.4 | 10731.4 | 7220.2  | 1446.2 | 591.9  | 465.3  |
| 80°   | 1233.3 | 1418.3 | 2127.1 | 4023.3  | 6869.8  | 6840.2  | 3094.5  | 567.7  | 405.1  | 329.7  |
| 82.5° | 523.7  | 545.2  | 950.4  | 1899.8  | 3525.6  | 3470.9  | 985.4   | 326.1  | 284.7  | 225.5  |
| 85°   | 204.8  | 229.1  | 419.5  | 878.5   | 1527.0  | 1493.8  | 355.7   | 161.7  | 182.3  | 147.3  |
| 87.5° | 67.4   | 81.7   | 150.0  | 300.9   | 475.2   | 458.1   | 87.1    | 55.7   | 79.0   | 67.4   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2214.2 | 0°    | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 | 2214.2 |
| 2220.5 | 2.5°  | 2233.1 | 2247.4 | 2264.5 | 2289.6 | 2311.2 | 2329.2 | 2348.0 | 2359.7 | 2364.2 | 2377.7 |
| 2224.1 | 5°    | 2249.2 | 2280.7 | 2322.9 | 2364.2 | 2404.6 | 2428.9 | 2450.4 | 2461.2 | 2471.1 | 2478.3 |
| 2234.0 | 7.5°  | 2276.2 | 2316.6 | 2383.1 | 2437.0 | 2471.1 | 2490.9 | 2505.2 | 2501.6 | 2505.2 | 2507.0 |
| 2244.7 | 10°   | 2299.5 | 2356.1 | 2435.2 | 2486.4 | 2512.4 | 2513.3 | 2509.7 | 2497.1 | 2490.9 | 2491.8 |
| 2260.9 | 12.5° | 2327.4 | 2390.3 | 2475.6 | 2518.7 | 2525.9 | 2506.1 | 2490.9 | 2469.3 | 2461.2 | 2457.6 |
| 2285.2 | 15°   | 2365.1 | 2437.0 | 2519.6 | 2535.8 | 2517.8 | 2492.7 | 2466.6 | 2431.6 | 2413.6 | 2399.2 |
| 2326.5 | 17.5° | 2410.9 | 2490.0 | 2553.7 | 2542.1 | 2503.4 | 2462.1 | 2419.9 | 2366.9 | 2330.1 | 2314.8 |
| 2383.1 | 20°   | 2474.7 | 2545.6 | 2579.8 | 2528.6 | 2470.2 | 2407.3 | 2335.5 | 2270.8 | 2236.7 | 2221.4 |
| 2454.9 | 22.5° | 2551.9 | 2620.2 | 2604.9 | 2505.2 | 2422.6 | 2322.0 | 2232.2 | 2184.6 | 2167.5 | 2156.7 |
| 2547.4 | 25°   | 2644.5 | 2702.8 | 2622.9 | 2471.1 | 2344.4 | 2208.8 | 2139.6 | 2124.4 | 2116.3 | 2108.2 |
| 2660.6 | 27.5° | 2764.8 | 2796.3 | 2636.4 | 2420.8 | 2222.3 | 2088.4 | 2063.3 | 2066.0 | 2063.3 | 2049.8 |
| 2817.8 | 30°   | 2923.8 | 2917.5 | 2648.9 | 2339.1 | 2082.2 | 1979.8 | 1981.5 | 1993.2 | 1995.0 | 1986.0 |
| 3037.0 | 32.5° | 3133.1 | 3069.3 | 2655.2 | 2233.1 | 1948.3 | 1884.5 | 1886.3 | 1898.9 | 1907.9 | 1892.6 |
| 3323.5 | 35°   | 3386.4 | 3246.3 | 2645.4 | 2100.1 | 1845.0 | 1793.8 | 1780.3 | 1783.9 | 1786.6 | 1772.3 |
| 3671.2 | 37.5° | 3681.9 | 3444.8 | 2601.3 | 1952.8 | 1759.7 | 1704.9 | 1676.1 | 1651.9 | 1637.5 | 1624.0 |
| 4064.6 | 40°   | 4006.2 | 3661.3 | 2520.5 | 1809.1 | 1664.5 | 1610.6 | 1567.5 | 1521.6 | 1473.1 | 1455.2 |
| 4481.4 | 42.5° | 4345.7 | 3884.0 | 2422.6 | 1671.6 | 1554.9 | 1510.9 | 1465.1 | 1398.6 | 1325.8 | 1289.0 |
| 4914.3 | 45°   | 4697.9 | 4112.2 | 2326.5 | 1536.0 | 1442.6 | 1423.7 | 1370.7 | 1290.8 | 1211.7 | 1165.0 |
| 5348.2 | 47.5° | 5042.8 | 4327.8 | 2185.5 | 1399.5 | 1337.5 | 1358.2 | 1316.8 | 1243.2 | 1155.2 | 1081.5 |
| 5778.5 | 50°   | 5372.5 | 4529.9 | 1954.6 | 1261.1 | 1252.2 | 1338.4 | 1298.9 | 1192.9 | 1092.3 | 998.0  |
| 6200.6 | 52.5° | 5699.4 | 4693.4 | 1659.1 | 1135.4 | 1206.4 | 1333.0 | 1275.5 | 1158.7 | 1035.7 | 936.9  |
| 6597.7 | 55°   | 5977.0 | 4777.8 | 1374.3 | 1027.6 | 1139.9 | 1287.2 | 1247.7 | 1118.3 | 955.7  | 850.6  |
| 6869.8 | 57.5° | 6135.1 | 4709.5 | 1137.2 | 921.6  | 1048.3 | 1211.7 | 1200.1 | 1032.1 | 860.5  | 779.7  |
| 6922.8 | 60°   | 6066.8 | 4432.9 | 943.2  | 829.1  | 961.1  | 1130.0 | 1117.4 | 946.8  | 787.8  | 711.4  |
| 6639.0 | 62.5° | 5690.4 | 3905.6 | 789.6  | 748.2  | 882.1  | 1046.5 | 1034.8 | 881.2  | 732.1  | 658.4  |
| 5885.4 | 65°   | 4932.3 | 3177.1 | 670.1  | 680.9  | 802.1  | 945.9  | 962.9  | 826.4  | 688.1  | 616.2  |
| 4553.2 | 67.5° | 3761.9 | 2301.3 | 576.7  | 622.5  | 724.0  | 847.1  | 896.5  | 786.9  | 651.2  | 583.0  |
| 2634.6 | 70°   | 2144.1 | 1307.0 | 497.6  | 565.9  | 654.8  | 755.4  | 845.3  | 755.4  | 611.7  | 555.1  |
| 987.2  | 72.5° | 812.9  | 600.0  | 430.3  | 509.3  | 588.4  | 678.2  | 788.7  | 706.0  | 565.9  | 523.7  |
| 510.2  | 75°   | 433.9  | 365.6  | 362.0  | 442.8  | 512.0  | 602.7  | 717.7  | 657.5  | 531.8  | 553.3  |
| 353.0  | 77.5° | 295.5  | 258.7  | 302.7  | 379.1  | 428.5  | 519.2  | 642.3  | 583.9  | 460.8  | 459.0  |
| 244.3  | 80°   | 204.8  | 183.2  | 246.1  | 305.4  | 331.5  | 436.6  | 560.5  | 501.2  | 375.5  | 350.3  |
| 150.9  | 82.5° | 123.1  | 119.5  | 184.1  | 228.2  | 234.4  | 336.8  | 464.4  | 420.4  | 307.2  | 267.7  |
| 89.8   | 85°   | 67.4   | 71.0   | 117.7  | 133.8  | 136.5  | 235.3  | 363.8  | 325.2  | 236.2  | 198.5  |
| 32.3   | 87.5° | 18.9   | 24.3   | 43.1   | 53.0   | 65.6   | 122.2  | 216.5  | 193.1  | 118.6  | 82.6   |
| 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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| 180°   |
|--------|
| 2214.2 |
| 2376.8 |
| 2480.1 |
| 2509.7 |
| 2493.6 |
| 2455.8 |
| 2403.7 |
| 2315.7 |
| 2219.6 |
| 2158.5 |
| 2108.2 |
| 2052.5 |
| 1990.5 |
| 1899.8 |
| 1782.1 |
| 1633.0 |
| 1463.3 |
| 1293.5 |
| 1161.4 |
| 1073.4 |
| 989.9  |
| 926.1  |
| 841.7  |
| 768.9  |
| 700.6  |
| 646.7  |
| 604.5  |
| 572.2  |
| 547.9  |
| 516.5  |
| 571.3  |
| 423.1  |
| 335.0  |
| 269.5  |
| 200.3  |
| 82.6   |
| 0.0    |

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