

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: P947893

Luminaire Tested: **GLAN-SB3A-835-U-T3R**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P947893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-835-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12816 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.7  
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

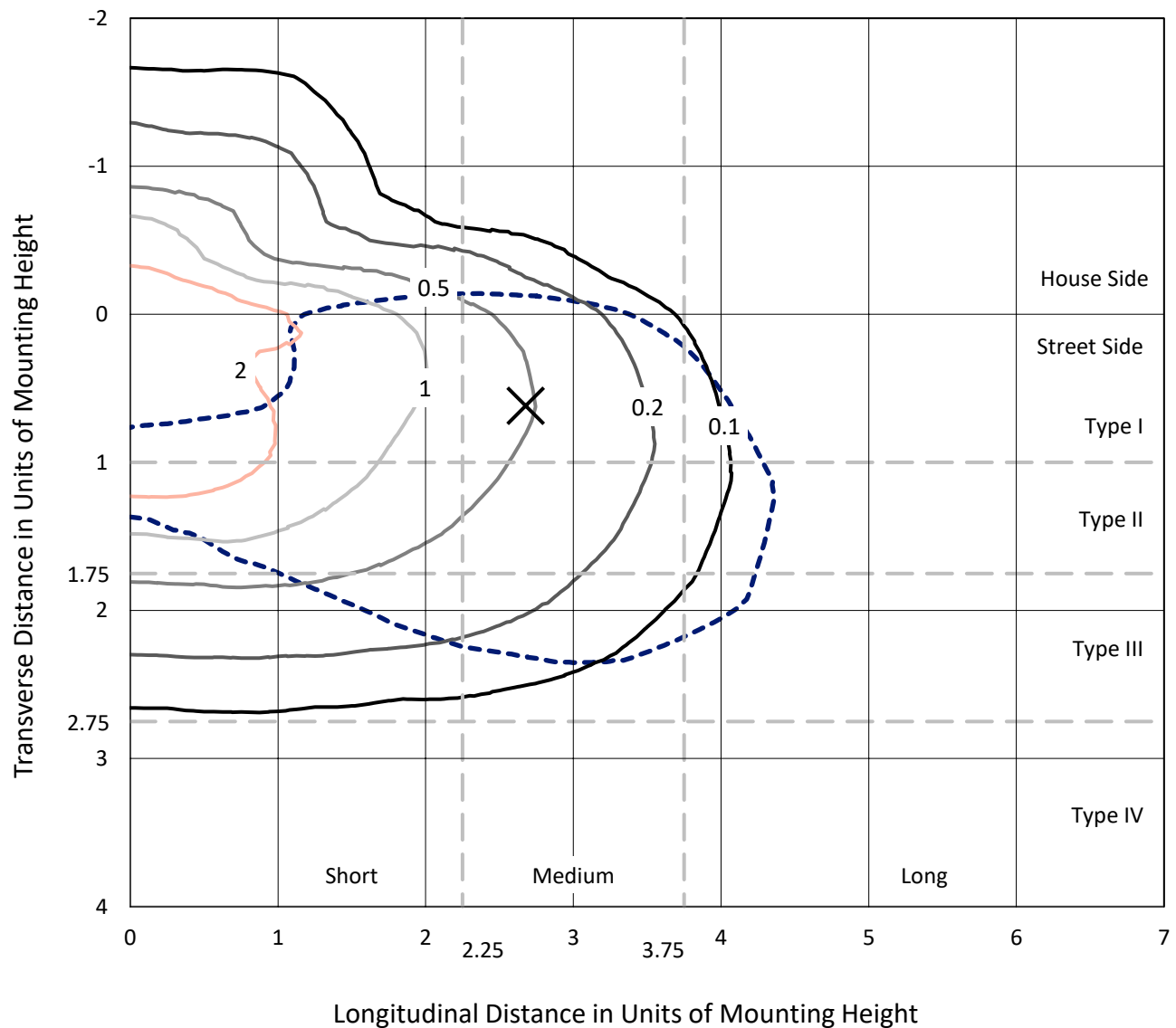


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## Iso-Footcandle Lines of Horizontal Illumination

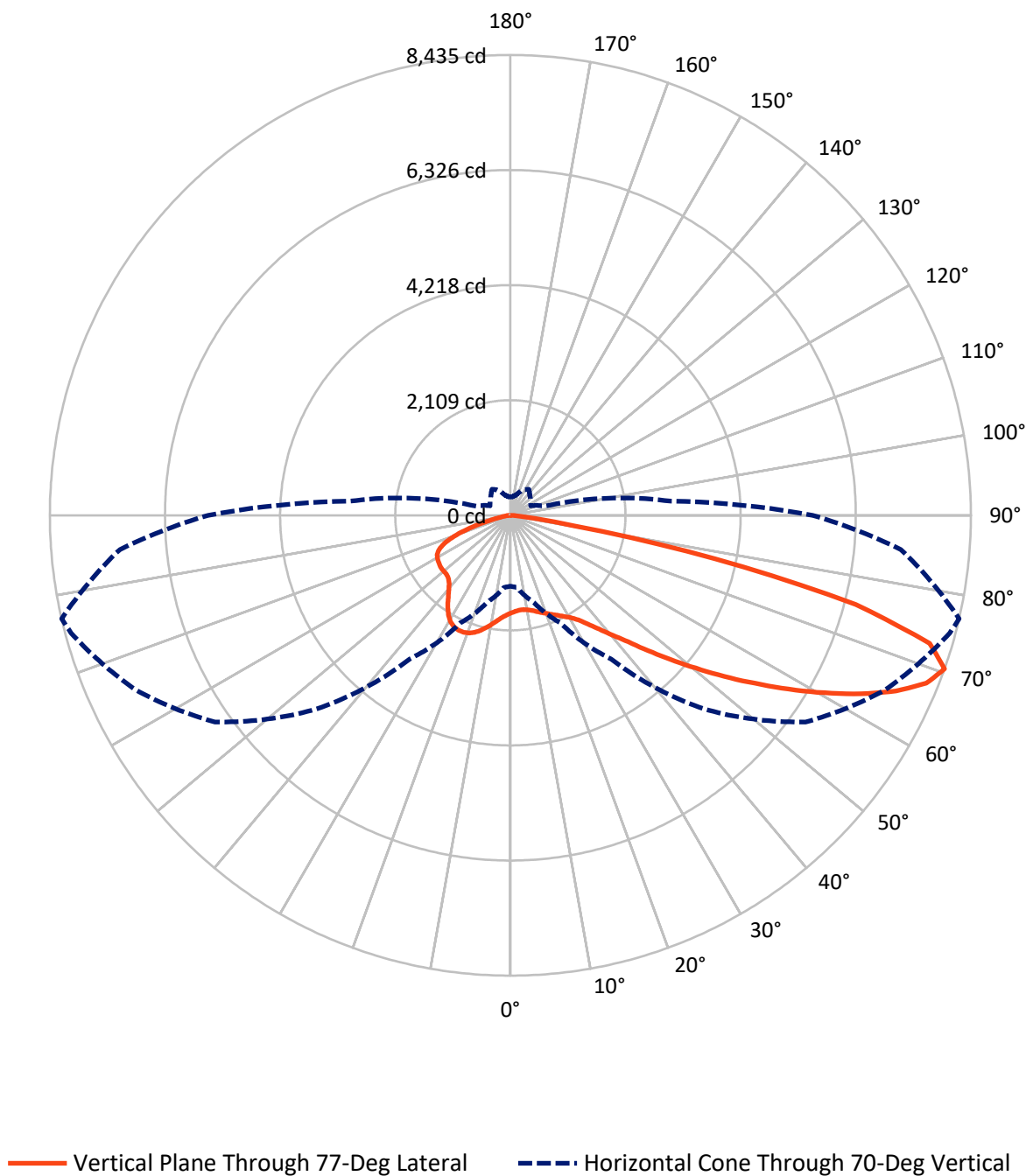
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
Type III - 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    | 2806.5   | 0.0    | 2806.5  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 10009.5  | 0.0    | 10009.5 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 12816.0  | 0.0    | 12816.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 170.5   | 1.3       |
| 10°-20°   | 492.1   | 3.8       |
| 20°-30°   | 841.6   | 6.6       |
| 30°-40°   | 1353.4  | 10.6      |
| 40°-50°   | 2113.1  | 16.5      |
| 50°-60°   | 2822.6  | 22.0      |
| 60°-70°   | 3008.4  | 23.5      |
| 70°-80°   | 1852.0  | 14.5      |
| 80°-90°   | 162.3   | 1.3       |
| 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°    | 12816.0 | 100.0     |
| 0°-180°   | 12816.0 | 100.0     |

**Coefficient of Utilization**



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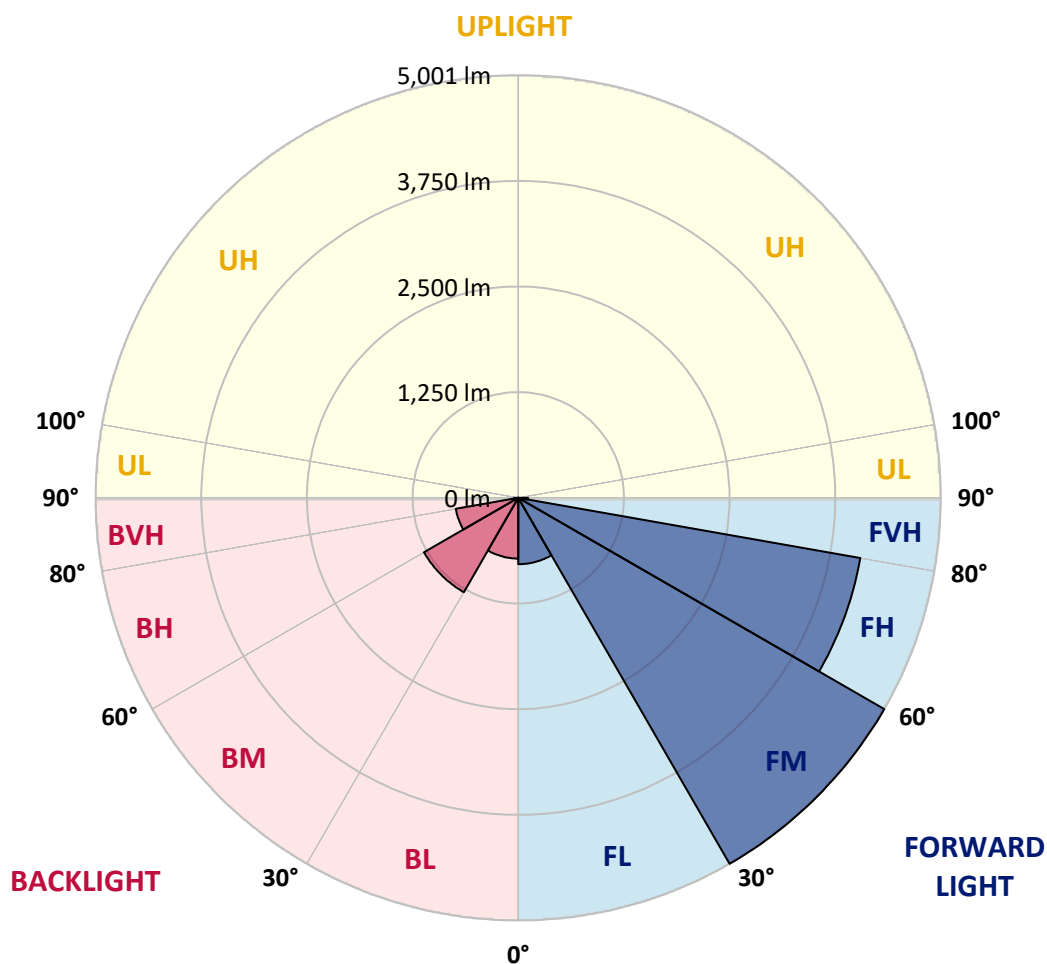
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 785.2  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5000.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4110.3 | 32.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 113.5  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 719.1  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1288.5 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 750.1  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 48.8   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 |
| 2.5°  | 1648.1 | 1647.5 | 1656.0 | 1658.6 | 1674.4 | 1685.6 | 1706.6 | 1728.9 | 1757.8 | 1761.0 |
| 5°    | 1553.0 | 1553.0 | 1562.8 | 1573.3 | 1593.7 | 1616.0 | 1648.1 | 1686.9 | 1736.8 | 1744.6 |
| 7.5°  | 1472.2 | 1477.5 | 1486.0 | 1506.4 | 1530.0 | 1562.2 | 1611.4 | 1666.5 | 1732.2 | 1744.6 |
| 10°   | 1407.3 | 1413.2 | 1423.7 | 1440.1 | 1475.5 | 1520.2 | 1584.5 | 1655.4 | 1743.3 | 1763.0 |
| 12.5° | 1386.9 | 1392.8 | 1398.7 | 1411.2 | 1444.0 | 1496.5 | 1573.3 | 1660.6 | 1770.2 | 1789.9 |
| 15°   | 1434.2 | 1441.4 | 1436.8 | 1433.5 | 1450.6 | 1498.5 | 1578.6 | 1679.6 | 1803.7 | 1831.9 |
| 17.5° | 1543.1 | 1545.7 | 1535.2 | 1504.4 | 1501.8 | 1527.4 | 1603.5 | 1705.9 | 1845.7 | 1876.6 |
| 20°   | 1719.0 | 1714.4 | 1692.8 | 1631.7 | 1596.9 | 1591.7 | 1646.2 | 1745.3 | 1889.0 | 1921.8 |
| 22.5° | 1957.9 | 1952.7 | 1909.4 | 1812.9 | 1735.4 | 1684.2 | 1707.9 | 1796.5 | 1937.6 | 1974.4 |
| 25°   | 2255.9 | 2248.7 | 2185.1 | 2053.8 | 1933.7 | 1807.0 | 1791.9 | 1864.1 | 1997.3 | 2031.5 |
| 27.5° | 2603.8 | 2597.9 | 2529.0 | 2355.7 | 2182.4 | 1975.0 | 1896.2 | 1943.5 | 2059.7 | 2098.4 |
| 30°   | 2977.9 | 2995.0 | 2872.9 | 2686.5 | 2467.3 | 2194.2 | 2036.7 | 2041.3 | 2140.4 | 2175.2 |
| 32.5° | 3417.7 | 3447.2 | 3300.2 | 3063.9 | 2764.6 | 2432.5 | 2213.9 | 2177.8 | 2257.9 | 2286.8 |
| 35°   | 3853.5 | 3887.0 | 3764.9 | 3503.7 | 3159.1 | 2713.4 | 2399.0 | 2334.7 | 2414.1 | 2445.6 |
| 37.5° | 4230.3 | 4274.9 | 4211.9 | 3984.8 | 3581.1 | 3052.1 | 2640.6 | 2519.1 | 2606.4 | 2645.8 |
| 40°   | 4527.6 | 4595.9 | 4591.3 | 4449.5 | 4078.7 | 3463.0 | 2947.1 | 2746.9 | 2845.4 | 2888.0 |
| 42.5° | 4769.2 | 4828.2 | 4879.4 | 4872.2 | 4597.9 | 3929.7 | 3307.4 | 3042.9 | 3117.8 | 3167.0 |
| 45°   | 4935.9 | 4998.9 | 5109.2 | 5228.0 | 5097.4 | 4429.2 | 3720.3 | 3394.1 | 3462.3 | 3536.5 |
| 47.5° | 5084.9 | 5156.4 | 5299.5 | 5487.9 | 5521.4 | 4930.6 | 4172.5 | 3803.0 | 3865.4 | 3942.2 |
| 50°   | 5098.0 | 5159.7 | 5381.6 | 5648.7 | 5822.6 | 5412.4 | 4658.3 | 4261.8 | 4320.2 | 4402.3 |
| 52.5° | 4781.0 | 4878.1 | 5265.4 | 5644.1 | 5961.1 | 5815.4 | 5140.7 | 4739.0 | 4804.6 | 4903.1 |
| 55°   | 3711.1 | 3853.5 | 4924.7 | 5468.2 | 5911.9 | 6076.0 | 5599.5 | 5246.4 | 5330.4 | 5433.4 |
| 57.5° | 3196.5 | 3258.9 | 3909.3 | 5147.9 | 5687.4 | 6143.6 | 5986.7 | 5759.0 | 5894.2 | 6007.1 |
| 60°   | 2872.9 | 2924.8 | 3309.4 | 4649.7 | 5392.1 | 6036.6 | 6286.0 | 6236.8 | 6470.5 | 6605.0 |
| 62.5° | 2526.4 | 2575.6 | 2925.4 | 3882.4 | 5014.0 | 5858.7 | 6475.1 | 6677.9 | 7061.2 | 7208.2 |
| 65°   | 2182.4 | 2224.4 | 2559.8 | 3262.2 | 4533.5 | 5680.9 | 6572.9 | 7059.2 | 7608.0 | 7760.2 |
| 67.5° | 1799.1 | 1833.9 | 2150.9 | 2752.2 | 3949.4 | 5437.4 | 6621.4 | 7359.2 | 8083.8 | 8214.5 |
| 70°   | 1298.3 | 1325.2 | 1652.7 | 2176.5 | 3216.2 | 5018.6 | 6601.8 | 7571.9 | 8330.6 | 8435.0 |
| 72.5° | 613.7  | 638.0  | 1022.6 | 1413.2 | 2271.7 | 4203.4 | 6203.3 | 7403.2 | 8079.9 | 8028.0 |
| 75°   | 327.5  | 348.5  | 587.5  | 775.2  | 1199.8 | 2881.5 | 5076.4 | 6377.3 | 6784.9 | 6532.8 |
| 77.5° | 221.9  | 238.3  | 363.6  | 465.4  | 548.1  | 1367.9 | 3262.8 | 4415.4 | 4248.0 | 3831.9 |
| 80°   | 175.9  | 193.0  | 298.0  | 315.1  | 265.2  | 494.2  | 1348.2 | 2043.9 | 1468.3 | 1174.2 |
| 82.5° | 135.2  | 154.2  | 250.7  | 228.4  | 144.4  | 202.8  | 392.5  | 646.5  | 376.1  | 286.2  |
| 85°   | 82.7   | 103.0  | 196.9  | 145.7  | 81.4   | 92.5   | 133.2  | 179.8  | 114.9  | 95.8   |
| 87.5° | 42.0   | 59.1   | 99.8   | 53.2   | 36.8   | 21.7   | 35.4   | 35.4   | 30.2   | 26.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1787.9 | 0°    | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 | 1787.9 |
| 1778.8 | 2.5°  | 1794.5 | 1807.6 | 1830.0 | 1851.0 | 1867.4 | 1883.1 | 1898.9 | 1907.4 | 1910.0 | 1920.5 |
| 1788.6 | 5°    | 1815.5 | 1839.8 | 1883.1 | 1923.8 | 1949.4 | 1965.2 | 1976.3 | 1982.9 | 1984.2 | 1987.5 |
| 1815.5 | 7.5°  | 1854.2 | 1893.0 | 1953.4 | 1994.0 | 2013.1 | 2011.8 | 2007.2 | 1990.8 | 1984.2 | 1978.3 |
| 1854.9 | 10°   | 1908.7 | 1959.9 | 2034.1 | 2062.3 | 2050.5 | 2019.0 | 1978.3 | 1930.4 | 1908.1 | 1886.4 |
| 1908.7 | 12.5° | 1976.3 | 2041.3 | 2114.2 | 2112.9 | 2054.4 | 1973.7 | 1879.2 | 1805.7 | 1759.1 | 1725.6 |
| 1975.0 | 15°   | 2058.4 | 2133.2 | 2189.0 | 2144.4 | 2016.4 | 1871.3 | 1732.8 | 1637.0 | 1595.0 | 1558.2 |
| 2042.0 | 17.5° | 2143.0 | 2223.1 | 2248.7 | 2134.5 | 1920.5 | 1719.7 | 1562.8 | 1487.3 | 1446.0 | 1426.3 |
| 2114.2 | 20°   | 2225.7 | 2305.2 | 2284.2 | 2078.1 | 1774.8 | 1547.7 | 1407.9 | 1366.6 | 1358.0 | 1362.6 |
| 2184.4 | 22.5° | 2313.0 | 2383.9 | 2291.4 | 1969.1 | 1589.1 | 1371.8 | 1295.0 | 1296.3 | 1315.4 | 1329.1 |
| 2257.9 | 25°   | 2402.3 | 2450.2 | 2272.3 | 1811.6 | 1389.5 | 1242.5 | 1223.5 | 1244.5 | 1281.9 | 1308.8 |
| 2340.6 | 27.5° | 2488.3 | 2509.3 | 2231.0 | 1616.6 | 1218.2 | 1150.0 | 1153.2 | 1196.6 | 1253.0 | 1290.4 |
| 2441.0 | 30°   | 2585.4 | 2561.8 | 2151.6 | 1397.4 | 1099.4 | 1070.5 | 1098.1 | 1148.6 | 1205.1 | 1238.6 |
| 2567.7 | 32.5° | 2695.1 | 2607.1 | 2025.6 | 1194.6 | 1015.4 | 1006.9 | 1052.2 | 1085.0 | 1109.9 | 1119.8 |
| 2735.7 | 35°   | 2831.6 | 2670.8 | 1864.1 | 1052.2 | 939.9  | 960.3  | 1003.6 | 987.2  | 977.3  | 972.1  |
| 2961.5 | 37.5° | 3008.8 | 2756.7 | 1675.1 | 959.6  | 878.9  | 926.8  | 944.5  | 893.3  | 854.6  | 835.6  |
| 3235.2 | 40°   | 3222.1 | 2882.8 | 1493.2 | 888.1  | 840.2  | 897.9  | 867.1  | 805.4  | 756.1  | 729.2  |
| 3543.1 | 42.5° | 3459.1 | 3014.7 | 1340.3 | 834.2  | 818.5  | 874.3  | 810.0  | 736.4  | 657.0  | 648.5  |
| 3910.0 | 45°   | 3707.8 | 3150.6 | 1235.9 | 792.9  | 808.0  | 853.9  | 777.1  | 658.3  | 601.9  | 636.7  |
| 4278.2 | 47.5° | 3956.6 | 3275.3 | 1172.9 | 762.0  | 802.7  | 831.0  | 748.3  | 615.0  | 575.0  | 625.5  |
| 4672.7 | 50°   | 4233.6 | 3386.9 | 1144.7 | 739.7  | 796.8  | 821.8  | 704.9  | 603.9  | 546.8  | 580.2  |
| 5081.0 | 52.5° | 4508.6 | 3473.5 | 1123.7 | 717.4  | 788.3  | 814.6  | 683.9  | 590.7  | 512.6  | 514.6  |
| 5491.8 | 55°   | 4783.0 | 3530.0 | 1100.7 | 687.9  | 769.3  | 798.8  | 682.0  | 576.3  | 487.0  | 477.8  |
| 5926.4 | 57.5° | 5075.7 | 3562.1 | 1072.5 | 655.1  | 736.4  | 758.8  | 680.0  | 565.1  | 479.1  | 464.1  |
| 6370.7 | 60°   | 5373.7 | 3609.4 | 1035.8 | 615.0  | 692.5  | 710.8  | 675.4  | 561.2  | 474.6  | 449.0  |
| 6789.5 | 62.5° | 5640.8 | 3625.8 | 991.8  | 576.9  | 636.0  | 663.6  | 665.6  | 557.9  | 462.1  | 418.1  |
| 7137.4 | 65°   | 5816.1 | 3554.9 | 915.0  | 533.6  | 575.0  | 615.0  | 646.5  | 546.8  | 439.8  | 395.8  |
| 7309.3 | 67.5° | 5808.9 | 3352.7 | 794.9  | 477.8  | 515.9  | 561.2  | 619.0  | 527.7  | 412.9  | 368.2  |
| 7179.4 | 70°   | 5538.4 | 2953.7 | 642.6  | 412.9  | 450.9  | 503.4  | 583.5  | 499.5  | 380.7  | 338.0  |
| 6383.8 | 72.5° | 4750.1 | 2311.7 | 466.7  | 336.7  | 375.4  | 443.7  | 537.6  | 465.4  | 347.9  | 311.1  |
| 4718.0 | 75°   | 3393.4 | 1463.0 | 316.4  | 258.6  | 292.1  | 376.1  | 480.5  | 425.3  | 317.7  | 312.4  |
| 2362.9 | 77.5° | 1733.5 | 699.0  | 209.4  | 189.0  | 203.5  | 296.7  | 403.7  | 380.0  | 322.3  | 258.0  |
| 672.1  | 80°   | 563.8  | 258.0  | 131.9  | 128.6  | 135.2  | 197.6  | 312.4  | 311.8  | 244.2  | 175.3  |
| 162.8  | 82.5° | 179.8  | 110.9  | 86.0   | 82.7   | 79.4   | 124.1  | 217.9  | 246.8  | 164.7  | 110.9  |
| 58.4   | 85°   | 71.5   | 66.3   | 50.5   | 46.6   | 33.5   | 58.4   | 114.2  | 164.1  | 122.7  | 80.1   |
| 15.1   | 87.5° | 26.3   | 26.3   | 13.8   | 9.8    | 7.2    | 19.7   | 30.8   | 49.2   | 70.2   | 41.4   |
| 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°   |
|--------|
| 1787.9 |
| 1926.4 |
| 1992.7 |
| 1979.6 |
| 1879.8 |
| 1717.7 |
| 1554.3 |
| 1432.2 |
| 1360.7 |
| 1332.4 |
| 1316.0 |
| 1299.6 |
| 1246.4 |
| 1125.0 |
| 977.3  |
| 840.2  |
| 731.2  |
| 657.0  |
| 655.1  |
| 649.1  |
| 605.2  |
| 528.4  |
| 484.4  |
| 466.0  |
| 450.9  |
| 418.1  |
| 395.8  |
| 370.2  |
| 342.0  |
| 309.1  |
| 294.7  |
| 229.7  |
| 154.9  |
| 110.3  |
| 82.0   |
| 40.7   |
| 0.0    |