

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: P939829

Luminaire Tested: **GLAN-SB2C-835-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939829  
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-SB2C-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13730 lumens  
Efficiency: N/A  
Efficacy: 136.1 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): 100.9  
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

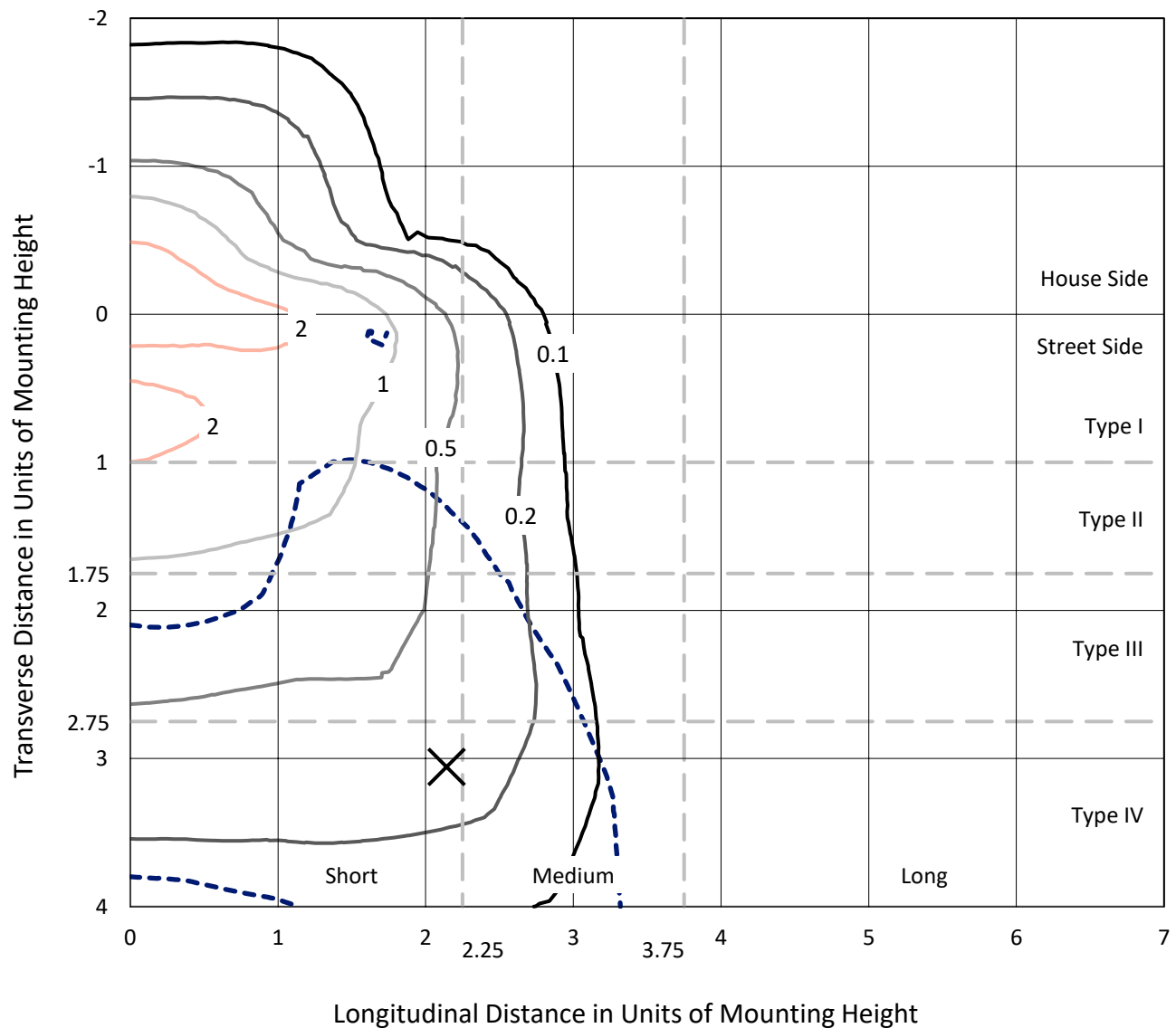


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

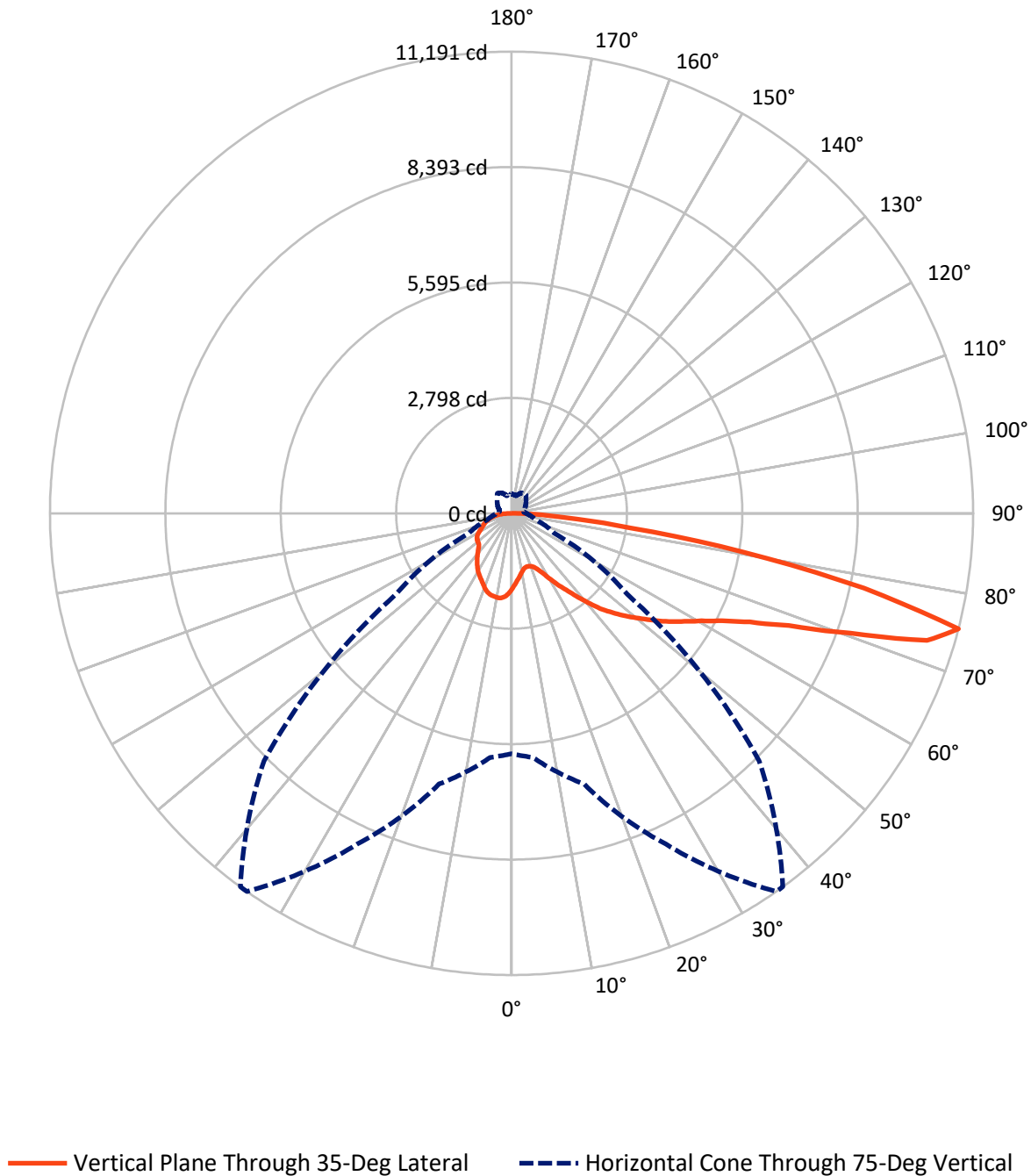


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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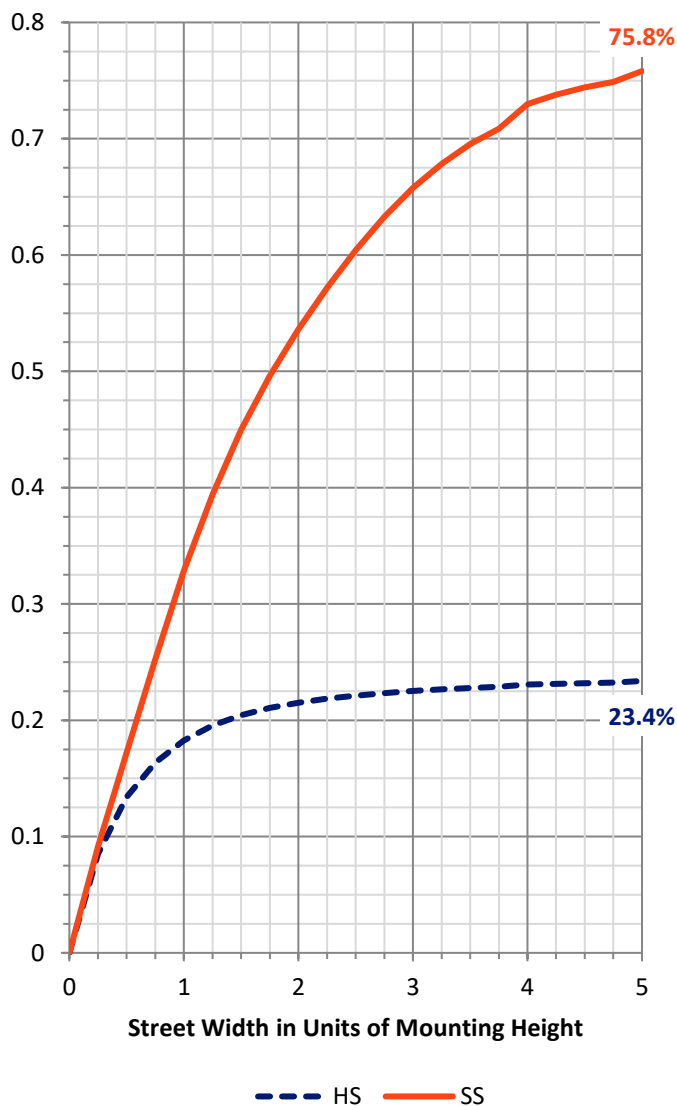
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3267.4   | 0.0    | 3267.4  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 10462.6  | 0.0    | 10462.6 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 13730.0  | 0.0    | 13730.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 173.2   | 1.3       |
| 10°-20°   | 499.7   | 3.6       |
| 20°-30°   | 839.1   | 6.1       |
| 30°-40°   | 1304.0  | 9.5       |
| 40°-50°   | 1935.5  | 14.1      |
| 50°-60°   | 2672.1  | 19.5      |
| 60°-70°   | 3241.9  | 23.6      |
| 70°-80°   | 2679.2  | 19.5      |
| 80°-90°   | 385.3   | 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°    | 13730.0 | 100.0     |
| 0°-180°   | 13730.0 | 100.0     |

**Coefficient of Utilization**



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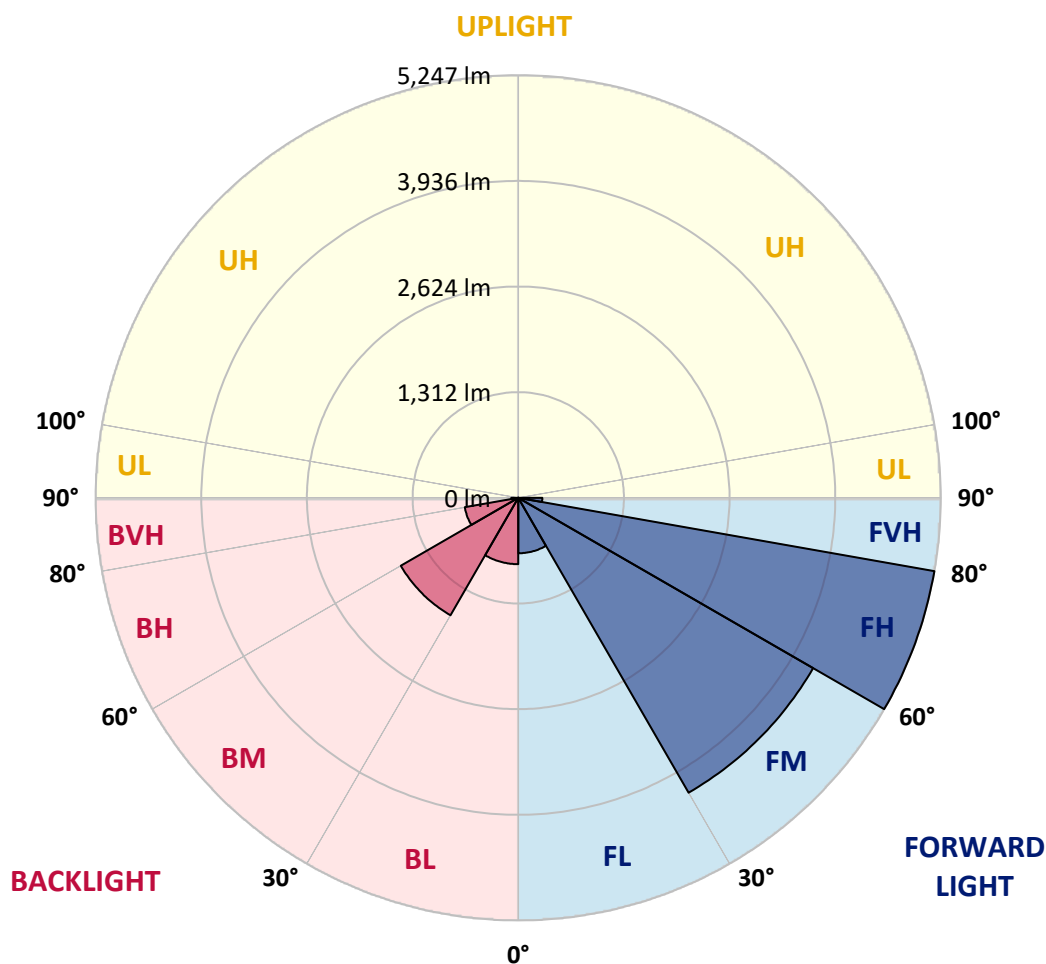
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 688.5  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 4228.1 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 5247.4 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 298.6  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 823.4  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1683.6 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 673.6  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 86.8   | 0.6       |                         |      | 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°     | 36°     | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 0°    | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6  | 1829.6  | 1829.6 | 1829.6 | 1829.6 | 1829.6 |
| 2.5°  | 1687.1 | 1697.5 | 1702.0 | 1699.7 | 1710.9  | 1709.4  | 1725.0 | 1744.3 | 1771.0 | 1797.0 |
| 5°    | 1557.2 | 1568.3 | 1578.0 | 1586.9 | 1608.4  | 1615.1  | 1639.6 | 1676.7 | 1725.7 | 1775.4 |
| 7.5°  | 1436.2 | 1445.9 | 1460.7 | 1477.1 | 1513.4  | 1520.1  | 1560.9 | 1618.8 | 1687.1 | 1759.8 |
| 10°   | 1337.5 | 1347.2 | 1362.7 | 1381.3 | 1426.6  | 1434.7  | 1486.7 | 1563.9 | 1653.0 | 1745.0 |
| 12.5° | 1295.2 | 1298.2 | 1307.1 | 1325.6 | 1365.0  | 1370.2  | 1427.3 | 1515.6 | 1619.6 | 1733.9 |
| 15°   | 1293.0 | 1298.9 | 1299.7 | 1309.3 | 1342.0  | 1344.2  | 1396.9 | 1484.5 | 1598.8 | 1731.6 |
| 17.5° | 1315.2 | 1319.7 | 1313.0 | 1319.0 | 1346.4  | 1350.1  | 1391.7 | 1469.6 | 1592.1 | 1741.3 |
| 20°   | 1374.6 | 1378.3 | 1358.3 | 1350.1 | 1370.2  | 1373.1  | 1414.0 | 1479.3 | 1598.8 | 1761.3 |
| 22.5° | 1500.8 | 1503.0 | 1454.0 | 1420.6 | 1422.1  | 1423.6  | 1459.2 | 1518.6 | 1624.8 | 1797.7 |
| 25°   | 1697.5 | 1696.0 | 1618.1 | 1553.5 | 1516.4  | 1508.2  | 1532.0 | 1582.5 | 1668.5 | 1845.9 |
| 27.5° | 1927.6 | 1916.5 | 1838.5 | 1742.0 | 1661.1  | 1649.3  | 1644.1 | 1665.6 | 1730.9 | 1909.8 |
| 30°   | 2187.4 | 2177.0 | 2093.1 | 1966.9 | 1854.9  | 1835.6  | 1786.6 | 1775.4 | 1823.7 | 1996.6 |
| 32.5° | 2472.4 | 2465.7 | 2365.5 | 2212.6 | 2062.7  | 2040.4  | 1958.0 | 1928.3 | 1966.2 | 2128.0 |
| 35°   | 2711.4 | 2705.5 | 2622.3 | 2465.0 | 2281.6  | 2254.2  | 2170.3 | 2136.9 | 2156.2 | 2296.5 |
| 37.5° | 2927.4 | 2924.4 | 2853.2 | 2729.2 | 2539.9  | 2506.5  | 2412.3 | 2401.1 | 2397.4 | 2518.4 |
| 40°   | 3127.8 | 3120.4 | 3046.1 | 2980.8 | 2840.5  | 2810.1  | 2727.0 | 2717.3 | 2689.1 | 2791.6 |
| 42.5° | 3349.7 | 3330.4 | 3222.8 | 3192.4 | 3154.5  | 3129.3  | 3079.5 | 3081.0 | 3018.7 | 3099.6 |
| 45°   | 3530.8 | 3519.7 | 3409.1 | 3391.3 | 3432.1  | 3421.7  | 3464.8 | 3475.9 | 3354.9 | 3422.5 |
| 47.5° | 3725.3 | 3714.9 | 3621.4 | 3608.8 | 3719.4  | 3722.3  | 3874.5 | 3878.2 | 3683.0 | 3757.9 |
| 50°   | 3965.0 | 3950.2 | 3857.4 | 3873.0 | 3996.9  | 4008.1  | 4286.4 | 4261.2 | 3985.1 | 4098.6 |
| 52.5° | 4123.1 | 4132.0 | 4112.0 | 4137.2 | 4306.5  | 4316.9  | 4691.7 | 4627.1 | 4284.2 | 4434.9 |
| 55°   | 4239.7 | 4257.5 | 4319.8 | 4377.7 | 4633.0  | 4643.4  | 5073.9 | 4975.2 | 4532.1 | 4746.6 |
| 57.5° | 4389.6 | 4364.4 | 4480.9 | 4593.7 | 4943.3  | 4970.8  | 5445.8 | 5310.7 | 4751.8 | 5015.3 |
| 60°   | 4604.8 | 4587.0 | 4677.6 | 4844.6 | 5290.7  | 5334.5  | 5839.2 | 5612.8 | 4912.9 | 5228.3 |
| 62.5° | 5041.3 | 4996.7 | 5010.8 | 5158.6 | 5728.6  | 5786.5  | 6283.0 | 5876.3 | 4993.0 | 5311.5 |
| 65°   | 5693.7 | 5617.3 | 5546.0 | 5648.4 | 6345.4  | 6402.5  | 6784.1 | 6083.4 | 4963.3 | 5150.4 |
| 67.5° | 6515.4 | 6439.7 | 6352.1 | 6448.6 | 7253.9  | 7299.2  | 7402.3 | 6199.9 | 4729.5 | 4529.9 |
| 70°   | 7193.0 | 7164.8 | 7269.5 | 7666.6 | 8705.0  | 8706.4  | 8195.0 | 6103.4 | 4089.0 | 3211.7 |
| 72.5° | 7103.2 | 7086.1 | 7637.6 | 8865.3 | 10533.8 | 10494.5 | 8945.4 | 5373.1 | 2754.4 | 1448.8 |
| 75°   | 5827.3 | 5937.9 | 6792.2 | 8843.8 | 11190.7 | 11185.5 | 8486.0 | 3415.8 | 1139.3 | 600.5  |
| 77.5° | 3124.8 | 3300.0 | 4409.6 | 6529.5 | 8736.1  | 8867.5  | 5966.1 | 1195.0 | 489.1  | 384.5  |
| 80°   | 1019.1 | 1172.0 | 1757.6 | 3324.5 | 5676.6  | 5652.1  | 2557.0 | 469.1  | 334.7  | 272.4  |
| 82.5° | 432.7  | 450.5  | 785.3  | 1569.8 | 2913.3  | 2868.0  | 814.2  | 269.4  | 235.3  | 186.3  |
| 85°   | 169.2  | 189.3  | 346.6  | 725.9  | 1261.8  | 1234.3  | 293.9  | 133.6  | 150.7  | 121.7  |
| 87.5° | 55.7   | 67.5   | 124.0  | 248.6  | 392.6   | 378.5   | 72.0   | 46.0   | 65.3   | 55.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1829.6 | 0°    | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 | 1829.6 |
| 1834.8 | 2.5°  | 1845.2 | 1857.1 | 1871.2 | 1892.0 | 1909.8 | 1924.6 | 1940.2 | 1949.9 | 1953.6 | 1964.7 |
| 1837.8 | 5°    | 1858.6 | 1884.5 | 1919.4 | 1953.6 | 1987.0 | 2007.0 | 2024.8 | 2033.7 | 2041.9 | 2047.8 |
| 1845.9 | 7.5°  | 1880.8 | 1914.2 | 1969.2 | 2013.7 | 2041.9 | 2058.2 | 2070.1 | 2067.1 | 2070.1 | 2071.6 |
| 1854.9 | 10°   | 1900.1 | 1946.9 | 2012.2 | 2054.5 | 2076.0 | 2076.8 | 2073.8 | 2063.4 | 2058.2 | 2059.0 |
| 1868.2 | 12.5° | 1923.1 | 1975.1 | 2045.6 | 2081.2 | 2087.2 | 2070.8 | 2058.2 | 2040.4 | 2033.7 | 2030.8 |
| 1888.3 | 15°   | 1954.3 | 2013.7 | 2082.0 | 2095.3 | 2080.5 | 2059.7 | 2038.2 | 2009.2 | 1994.4 | 1982.5 |
| 1922.4 | 17.5° | 1992.2 | 2057.5 | 2110.2 | 2100.5 | 2068.6 | 2034.5 | 1999.6 | 1955.8 | 1925.4 | 1912.7 |
| 1969.2 | 20°   | 2044.9 | 2103.5 | 2131.7 | 2089.4 | 2041.2 | 1989.2 | 1929.8 | 1876.4 | 1848.2 | 1835.6 |
| 2028.5 | 22.5° | 2108.7 | 2165.1 | 2152.5 | 2070.1 | 2001.8 | 1918.7 | 1844.5 | 1805.1 | 1791.0 | 1782.1 |
| 2105.0 | 25°   | 2185.1 | 2233.4 | 2167.3 | 2041.9 | 1937.2 | 1825.2 | 1768.0 | 1755.4 | 1748.7 | 1742.0 |
| 2198.5 | 27.5° | 2284.6 | 2310.6 | 2178.5 | 2000.3 | 1836.3 | 1725.7 | 1704.9 | 1707.1 | 1704.9 | 1693.8 |
| 2328.4 | 30°   | 2416.0 | 2410.8 | 2188.9 | 1932.8 | 1720.5 | 1635.9 | 1637.4 | 1647.0 | 1648.5 | 1641.1 |
| 2509.5 | 32.5° | 2588.9 | 2536.2 | 2194.1 | 1845.2 | 1609.9 | 1557.2 | 1558.7 | 1569.1 | 1576.5 | 1563.9 |
| 2746.3 | 35°   | 2798.2 | 2682.4 | 2185.9 | 1735.4 | 1524.6 | 1482.2 | 1471.1 | 1474.1 | 1476.3 | 1464.4 |
| 3033.5 | 37.5° | 3042.4 | 2846.5 | 2149.5 | 1613.6 | 1454.0 | 1408.8 | 1385.0 | 1365.0 | 1353.1 | 1342.0 |
| 3358.6 | 40°   | 3310.4 | 3025.4 | 2082.7 | 1494.9 | 1375.4 | 1330.8 | 1295.2 | 1257.4 | 1217.3 | 1202.4 |
| 3703.0 | 42.5° | 3590.9 | 3209.4 | 2001.8 | 1381.3 | 1284.8 | 1248.4 | 1210.6 | 1155.7 | 1095.5 | 1065.1 |
| 4060.8 | 45°   | 3881.9 | 3398.0 | 1922.4 | 1269.2 | 1192.0 | 1176.4 | 1132.7 | 1066.6 | 1001.3 | 962.7  |
| 4419.3 | 47.5° | 4166.9 | 3576.1 | 1805.9 | 1156.4 | 1105.2 | 1122.3 | 1088.1 | 1027.3 | 954.5  | 893.7  |
| 4774.8 | 50°   | 4439.3 | 3743.1 | 1615.1 | 1042.1 | 1034.7 | 1105.9 | 1073.3 | 985.7  | 902.6  | 824.6  |
| 5123.7 | 52.5° | 4709.5 | 3878.2 | 1370.9 | 938.2  | 996.8  | 1101.5 | 1054.0 | 957.5  | 855.8  | 774.2  |
| 5451.7 | 55°   | 4938.8 | 3948.0 | 1135.6 | 849.1  | 941.9  | 1063.6 | 1031.0 | 924.1  | 789.7  | 702.9  |
| 5676.6 | 57.5° | 5069.5 | 3891.6 | 939.7  | 761.5  | 866.2  | 1001.3 | 991.6  | 852.8  | 711.1  | 644.3  |
| 5720.4 | 60°   | 5013.1 | 3662.9 | 779.3  | 685.1  | 794.2  | 933.7  | 923.3  | 782.3  | 650.9  | 587.9  |
| 5485.9 | 62.5° | 4702.1 | 3227.2 | 652.4  | 618.3  | 728.9  | 864.7  | 855.1  | 728.1  | 604.9  | 544.1  |
| 4863.1 | 65°   | 4075.6 | 2625.3 | 553.7  | 562.6  | 662.8  | 781.6  | 795.7  | 682.9  | 568.6  | 509.2  |
| 3762.4 | 67.5° | 3108.5 | 1901.6 | 476.5  | 514.4  | 598.2  | 699.9  | 740.8  | 650.2  | 538.1  | 481.7  |
| 2177.0 | 70°   | 1771.7 | 1080.0 | 411.2  | 467.6  | 541.1  | 624.2  | 698.4  | 624.2  | 505.5  | 458.7  |
| 815.7  | 72.5° | 671.7  | 495.8  | 355.5  | 420.8  | 486.2  | 560.4  | 651.7  | 583.4  | 467.6  | 432.7  |
| 421.6  | 75°   | 358.5  | 302.1  | 299.1  | 365.9  | 423.1  | 498.0  | 593.0  | 543.3  | 439.4  | 457.2  |
| 291.7  | 77.5° | 244.2  | 213.8  | 250.1  | 313.2  | 354.0  | 429.0  | 530.7  | 482.5  | 380.8  | 379.3  |
| 201.9  | 80°   | 169.2  | 151.4  | 203.4  | 252.4  | 273.9  | 360.7  | 463.2  | 414.2  | 310.3  | 289.5  |
| 124.7  | 82.5° | 101.7  | 98.7   | 152.2  | 188.5  | 193.7  | 278.3  | 383.7  | 347.4  | 253.8  | 221.2  |
| 74.2   | 85°   | 55.7   | 58.6   | 97.2   | 110.6  | 112.8  | 194.5  | 300.6  | 268.7  | 195.2  | 164.0  |
| 26.7   | 87.5° | 15.6   | 20.0   | 35.6   | 43.8   | 54.2   | 100.9  | 178.9  | 159.6  | 98.0   | 68.3   |
| 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°   |
|--------|
| 1829.6 |
| 1964.0 |
| 2049.3 |
| 2073.8 |
| 2060.5 |
| 2029.3 |
| 1986.2 |
| 1913.5 |
| 1834.1 |
| 1783.6 |
| 1742.0 |
| 1696.0 |
| 1644.8 |
| 1569.8 |
| 1472.6 |
| 1349.4 |
| 1209.1 |
| 1068.8 |
| 959.7  |
| 887.0  |
| 817.9  |
| 765.2  |
| 695.5  |
| 635.4  |
| 578.9  |
| 534.4  |
| 499.5  |
| 472.8  |
| 452.8  |
| 426.8  |
| 472.1  |
| 349.6  |
| 276.9  |
| 222.7  |
| 165.5  |
| 68.3   |
| 0.0    |