

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: P941508

Luminaire Tested: **GLAN-SB5A-827-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

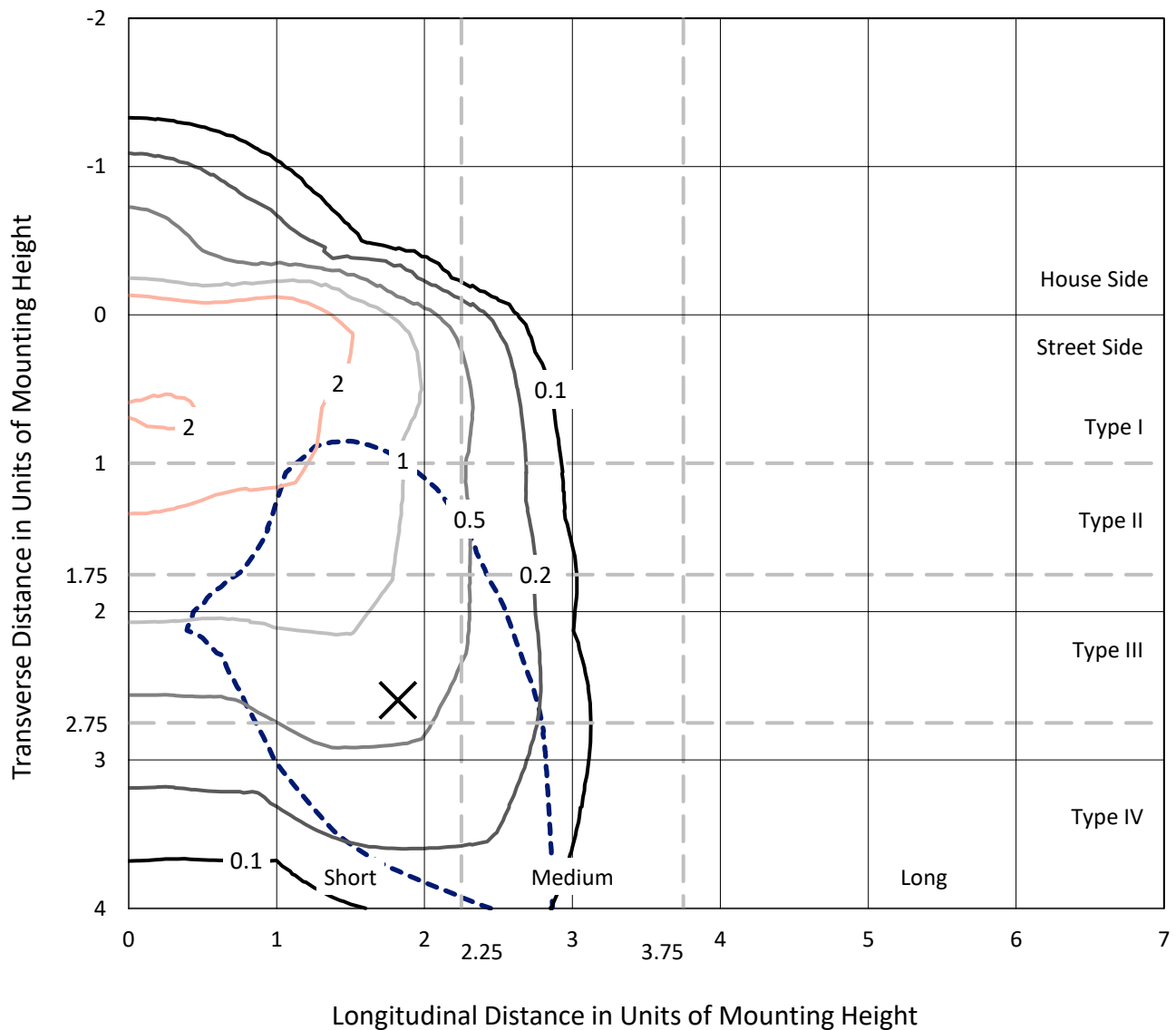
Lumens per Lamp: N/A  
Luminaire Lumens: 14919 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 141.7  
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



## Iso-Footcandle Lines of Horizontal Illumination

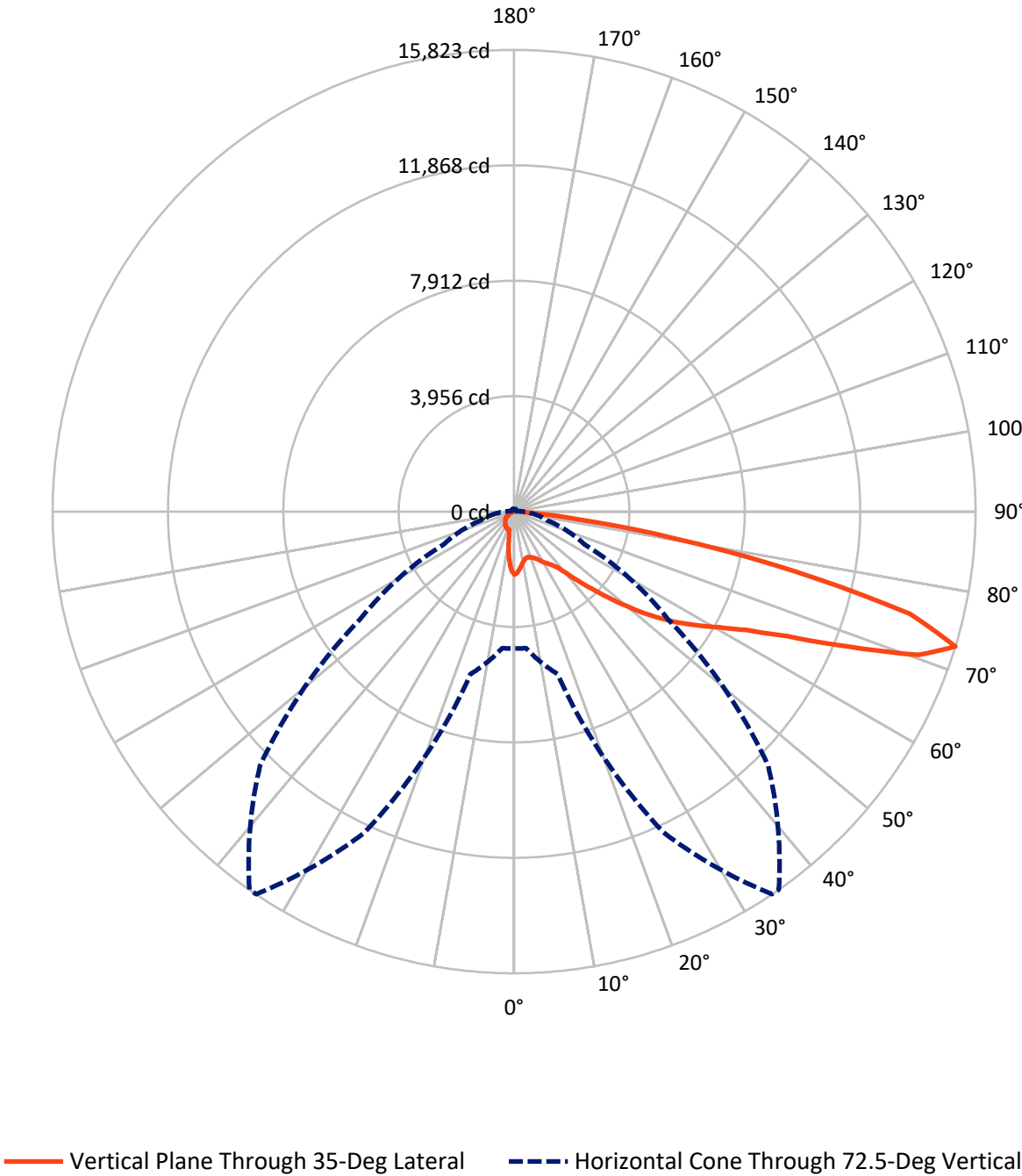
✖ Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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    | 1679.1   | 0.0    | 1679.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 13239.9  | 0.0    | 13239.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 14919.0  | 0.0    | 14919.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 177.7   | 1.2       |
| 10°-20°   | 415.7   | 2.8       |
| 20°-30°   | 675.2   | 4.5       |
| 30°-40°   | 1126.6  | 7.6       |
| 40°-50°   | 2131.6  | 14.3      |
| 50°-60°   | 3387.1  | 22.7      |
| 60°-70°   | 4190.1  | 28.1      |
| 70°-80°   | 2604.6  | 17.5      |
| 80°-90°   | 210.5   | 1.4       |
| 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°    | 14919.0 | 100.0     |
| 0°-180°   | 14919.0 | 100.0     |

**Coefficient of Utilization**



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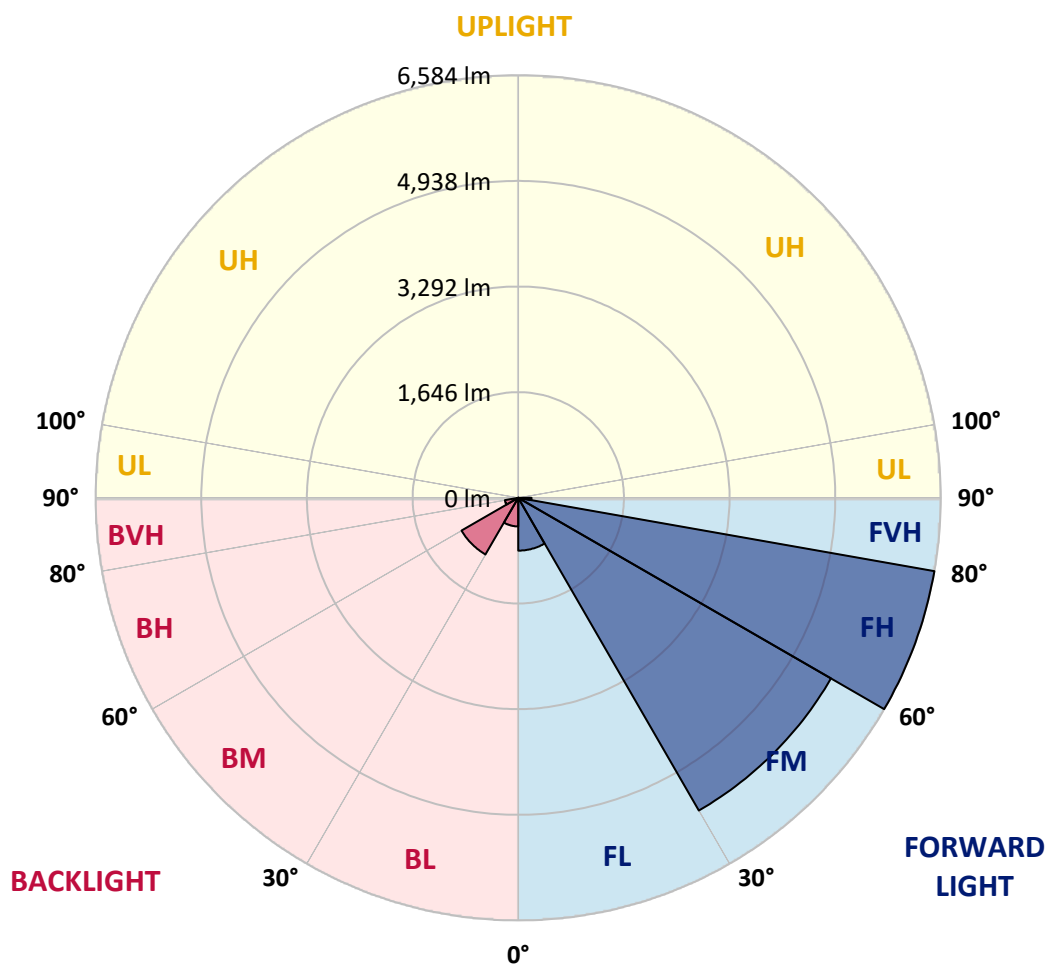
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 822.4  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 5626.0 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 6583.9 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 207.6  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 446.2  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1019.3 | 6.8       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 210.7  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.9    | 0.0       |                         |      | G0/10   |
| 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°     | 34°     | 35°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2162.3 | 2162.3 | 2162.3 | 2162.3  | 2162.3  | 2162.3  | 2162.3  | 2162.3 | 2162.3 | 2162.3 |
| 2.5°  | 2066.1 | 2083.6 | 2086.8 | 2092.3  | 2092.3  | 2098.9  | 2109.8  | 2125.1 | 2150.2 | 2163.4 |
| 5°    | 1904.3 | 1917.4 | 1933.8 | 1946.9  | 1972.1  | 1975.3  | 2018.0  | 2059.5 | 2117.4 | 2161.2 |
| 7.5°  | 1741.4 | 1756.7 | 1778.6 | 1810.3  | 1843.1  | 1852.9  | 1917.4  | 1987.4 | 2079.2 | 2161.2 |
| 10°   | 1626.6 | 1627.7 | 1647.4 | 1679.1  | 1731.6  | 1743.6  | 1822.3  | 1921.8 | 2036.6 | 2148.1 |
| 12.5° | 1562.1 | 1569.8 | 1578.5 | 1602.6  | 1652.9  | 1660.5  | 1744.7  | 1861.6 | 1993.9 | 2140.4 |
| 15°   | 1562.1 | 1567.6 | 1573.1 | 1585.1  | 1625.5  | 1632.1  | 1706.4  | 1823.4 | 1972.1 | 2143.7 |
| 17.5° | 1578.5 | 1587.3 | 1582.9 | 1597.1  | 1639.7  | 1644.1  | 1709.7  | 1812.5 | 1971.0 | 2164.4 |
| 20°   | 1617.9 | 1624.4 | 1615.7 | 1624.4  | 1667.1  | 1675.8  | 1743.6  | 1833.2 | 1989.5 | 2200.5 |
| 22.5° | 1680.2 | 1683.5 | 1662.7 | 1669.2  | 1713.0  | 1723.9  | 1802.6  | 1892.3 | 2034.4 | 2258.5 |
| 25°   | 1758.9 | 1765.4 | 1733.7 | 1741.4  | 1782.9  | 1796.1  | 1886.8  | 1980.8 | 2105.4 | 2338.3 |
| 27.5° | 1849.6 | 1852.9 | 1825.6 | 1824.5  | 1878.0  | 1896.6  | 1988.5  | 2090.1 | 2200.5 | 2438.8 |
| 30°   | 1953.5 | 1963.3 | 1937.1 | 1932.7  | 2000.5  | 2015.8  | 2106.5  | 2224.6 | 2340.4 | 2589.7 |
| 32.5° | 2035.5 | 2043.1 | 2027.8 | 2038.7  | 2107.6  | 2119.6  | 2249.7  | 2414.8 | 2560.2 | 2803.9 |
| 35°   | 2153.5 | 2157.9 | 2122.9 | 2142.6  | 2221.3  | 2251.9  | 2445.4  | 2681.5 | 2836.7 | 3072.9 |
| 37.5° | 2580.9 | 2580.9 | 2432.3 | 2335.0  | 2410.4  | 2437.7  | 2713.2  | 3017.1 | 3177.8 | 3433.6 |
| 40°   | 3172.3 | 3162.5 | 2945.0 | 2746.0  | 2736.2  | 2789.7  | 3094.7  | 3440.2 | 3618.3 | 3866.5 |
| 42.5° | 3803.1 | 3787.8 | 3491.5 | 3294.8  | 3262.0  | 3280.6  | 3535.3  | 3961.6 | 4143.1 | 4394.5 |
| 45°   | 4362.8 | 4358.4 | 4087.3 | 3822.8  | 3763.7  | 3822.8  | 4085.1  | 4571.6 | 4701.7 | 4966.2 |
| 47.5° | 4831.8 | 4831.8 | 4633.9 | 4461.2  | 4430.6  | 4465.5  | 4829.6  | 5248.2 | 5236.2 | 5575.1 |
| 50°   | 5371.8 | 5367.4 | 5179.4 | 5105.0  | 5136.7  | 5185.9  | 5686.6  | 5961.0 | 5789.4 | 6173.1 |
| 52.5° | 5750.0 | 5776.2 | 5711.7 | 5699.7  | 5861.5  | 5946.8  | 6556.8  | 6658.4 | 6284.6 | 6740.4 |
| 55°   | 6049.5 | 6080.1 | 6154.5 | 6238.6  | 6550.2  | 6661.7  | 7399.6  | 7319.8 | 6698.9 | 7232.3 |
| 57.5° | 6473.7 | 6429.9 | 6544.7 | 6710.9  | 7214.8  | 7349.3  | 8216.2  | 7944.0 | 7032.3 | 7631.3 |
| 60°   | 6988.5 | 6995.1 | 7014.8 | 7224.7  | 7878.4  | 8051.1  | 9020.7  | 8534.3 | 7246.5 | 7876.2 |
| 62.5° | 7607.3 | 7617.1 | 7657.6 | 7980.0  | 8769.3  | 8932.2  | 9877.8  | 9017.4 | 7344.9 | 7807.3 |
| 65°   | 7564.6 | 7606.2 | 8057.7 | 9160.7  | 10123.7 | 10284.4 | 10878.0 | 9356.3 | 7196.2 | 7177.7 |
| 67.5° | 6891.3 | 6959.0 | 7714.4 | 10570.8 | 12165.7 | 12345.0 | 12087.0 | 9423.0 | 6554.6 | 5581.7 |
| 70°   | 6008.0 | 6032.0 | 6940.4 | 11838.9 | 14530.2 | 14711.7 | 13169.3 | 8689.5 | 4973.9 | 3113.3 |
| 72.5° | 4691.8 | 4697.3 | 5763.1 | 12132.9 | 15813.6 | 15823.4 | 12319.9 | 6450.7 | 2675.0 | 1195.9 |
| 75°   | 3351.6 | 3318.8 | 3859.9 | 9839.5  | 13912.6 | 14024.1 | 9236.1  | 3025.9 | 1022.1 | 565.2  |
| 77.5° | 1797.1 | 1833.2 | 2184.1 | 5835.3  | 9611.0  | 9801.2  | 5039.5  | 872.3  | 520.3  | 384.8  |
| 80°   | 555.3  | 585.9  | 895.3  | 2671.7  | 5443.9  | 5558.7  | 1868.2  | 388.1  | 362.9  | 274.4  |
| 82.5° | 174.9  | 181.5  | 417.6  | 1122.7  | 2259.6  | 2312.0  | 541.1   | 219.7  | 248.1  | 181.5  |
| 85°   | 50.3   | 51.4   | 185.8  | 418.7   | 558.6   | 569.5   | 151.9   | 85.3   | 142.1  | 112.6  |
| 87.5° | 5.5    | 17.5   | 70.0   | 70.0    | 49.2    | 48.1    | 16.4    | 18.6   | 40.4   | 14.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2162.3 | 0°    | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 | 2162.3 |
| 2172.1 | 2.5°  | 2166.6 | 2167.7 | 2153.5 | 2129.5 | 2103.2 | 2081.4 | 2054.0 | 2032.2 | 2016.9 | 2012.5 |
| 2191.8 | 5°    | 2181.9 | 2174.3 | 2133.8 | 2060.6 | 1973.1 | 1897.7 | 1813.5 | 1746.9 | 1703.1 | 1684.6 |
| 2212.5 | 7.5°  | 2204.9 | 2183.0 | 2094.5 | 1950.2 | 1782.9 | 1634.3 | 1483.4 | 1366.4 | 1292.1 | 1254.9 |
| 2232.2 | 10°   | 2224.6 | 2180.8 | 2028.9 | 1790.6 | 1534.8 | 1309.6 | 1106.3 | 965.3  | 886.5  | 849.4  |
| 2255.2 | 12.5° | 2243.2 | 2179.8 | 1943.6 | 1601.5 | 1254.9 | 979.5  | 790.4  | 720.4  | 698.5  | 690.9  |
| 2292.3 | 15°   | 2278.1 | 2183.0 | 1836.5 | 1385.0 | 976.2  | 740.1  | 671.2  | 670.1  | 674.5  | 672.3  |
| 2349.2 | 17.5° | 2326.2 | 2186.3 | 1715.2 | 1155.5 | 753.2  | 652.6  | 649.3  | 659.2  | 665.7  | 662.5  |
| 2420.2 | 20°   | 2388.5 | 2199.4 | 1586.2 | 928.1  | 647.1  | 630.8  | 638.4  | 647.1  | 652.6  | 647.1  |
| 2515.4 | 22.5° | 2476.0 | 2222.4 | 1445.2 | 745.5  | 613.3  | 617.6  | 624.2  | 634.0  | 639.5  | 631.8  |
| 2636.7 | 25°   | 2583.1 | 2258.5 | 1306.3 | 648.2  | 596.9  | 602.3  | 612.2  | 623.1  | 629.7  | 622.0  |
| 2789.7 | 27.5° | 2722.0 | 2316.4 | 1178.4 | 626.4  | 580.5  | 583.7  | 598.0  | 614.4  | 623.1  | 613.3  |
| 3007.3 | 30°   | 2923.1 | 2411.5 | 1068.0 | 636.2  | 570.6  | 563.0  | 582.7  | 605.6  | 615.4  | 606.7  |
| 3303.5 | 32.5° | 3189.8 | 2546.0 | 1000.2 | 651.5  | 566.3  | 538.9  | 557.5  | 587.0  | 603.4  | 598.0  |
| 3690.5 | 35°   | 3539.6 | 2750.4 | 974.0  | 669.0  | 563.0  | 513.8  | 526.9  | 558.6  | 587.0  | 592.5  |
| 4178.0 | 37.5° | 3963.8 | 3034.6 | 981.7  | 676.7  | 553.1  | 493.0  | 499.6  | 526.9  | 564.1  | 581.6  |
| 4726.8 | 40°   | 4445.9 | 3365.8 | 1025.4 | 669.0  | 542.2  | 475.5  | 476.6  | 497.4  | 530.2  | 556.4  |
| 5317.1 | 42.5° | 4943.3 | 3752.8 | 1106.3 | 640.6  | 532.4  | 460.2  | 456.9  | 471.2  | 493.0  | 511.6  |
| 5906.3 | 45°   | 5416.6 | 4150.7 | 1186.1 | 601.2  | 520.3  | 444.9  | 437.3  | 442.7  | 447.1  | 454.8  |
| 6480.2 | 47.5° | 5829.8 | 4430.6 | 1163.1 | 565.2  | 503.9  | 427.4  | 414.3  | 412.1  | 399.0  | 397.9  |
| 6992.9 | 50°   | 6115.1 | 4491.8 | 1033.0 | 529.1  | 479.9  | 407.7  | 387.0  | 373.9  | 350.9  | 340.0  |
| 7376.6 | 52.5° | 6205.8 | 4250.2 | 843.9  | 493.0  | 440.5  | 381.5  | 352.0  | 331.2  | 302.8  | 293.0  |
| 7597.4 | 55°   | 6085.6 | 3776.9 | 674.5  | 449.3  | 385.9  | 346.5  | 313.7  | 286.4  | 263.5  | 251.4  |
| 7621.5 | 57.5° | 5791.5 | 3174.5 | 533.5  | 397.9  | 327.9  | 307.2  | 274.4  | 247.1  | 227.4  | 215.4  |
| 7354.8 | 60°   | 5304.0 | 2520.8 | 422.0  | 336.7  | 279.8  | 264.5  | 230.7  | 213.2  | 195.7  | 181.5  |
| 6666.1 | 62.5° | 4563.9 | 1799.3 | 331.2  | 266.7  | 233.9  | 216.4  | 196.8  | 183.7  | 162.9  | 143.2  |
| 5427.5 | 65°   | 3561.5 | 1100.8 | 255.8  | 195.7  | 188.0  | 179.3  | 167.3  | 155.2  | 130.1  | 110.4  |
| 3540.7 | 67.5° | 2246.4 | 521.4  | 182.6  | 147.6  | 148.7  | 144.3  | 138.8  | 129.0  | 110.4  | 92.9   |
| 1586.2 | 70°   | 989.3  | 252.5  | 120.2  | 112.6  | 110.4  | 110.4  | 114.8  | 111.5  | 94.0   | 77.6   |
| 551.0  | 72.5° | 336.7  | 135.6  | 89.6   | 85.3   | 79.8   | 78.7   | 96.2   | 92.9   | 75.4   | 60.1   |
| 274.4  | 75°   | 176.0  | 90.7   | 65.6   | 61.2   | 48.1   | 57.9   | 76.5   | 72.1   | 53.6   | 39.4   |
| 181.5  | 77.5° | 114.8  | 64.5   | 44.8   | 39.4   | 27.3   | 38.3   | 56.8   | 50.3   | 31.7   | 19.7   |
| 119.2  | 80°   | 72.1   | 42.6   | 26.2   | 18.6   | 13.1   | 20.8   | 30.6   | 21.9   | 12.0   | 4.4    |
| 70.0   | 82.5° | 38.3   | 21.9   | 9.8    | 6.6    | 5.5    | 6.6    | 7.7    | 5.5    | 2.2    | 0.0    |
| 36.1   | 85°   | 15.3   | 7.7    | 3.3    | 2.2    | 1.1    | 0.0    | 2.2    | 1.1    | 0.0    | 0.0    |
| 6.6    | 87.5° | 5.5    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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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| 180°   |
|--------|
| 2162.3 |
| 2020.2 |
| 1691.1 |
| 1260.4 |
| 850.5  |
| 688.7  |
| 671.2  |
| 661.4  |
| 646.1  |
| 630.8  |
| 620.9  |
| 613.3  |
| 605.6  |
| 598.0  |
| 592.5  |
| 585.9  |
| 565.2  |
| 519.2  |
| 459.1  |
| 396.8  |
| 341.1  |
| 291.9  |
| 251.4  |
| 213.2  |
| 178.2  |
| 139.9  |
| 107.1  |
| 90.7   |
| 74.3   |
| 56.8   |
| 36.1   |
| 17.5   |
| 3.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |