

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: P941448

Luminaire Tested: **GLAN-SB5A-727-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941448  
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-727-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

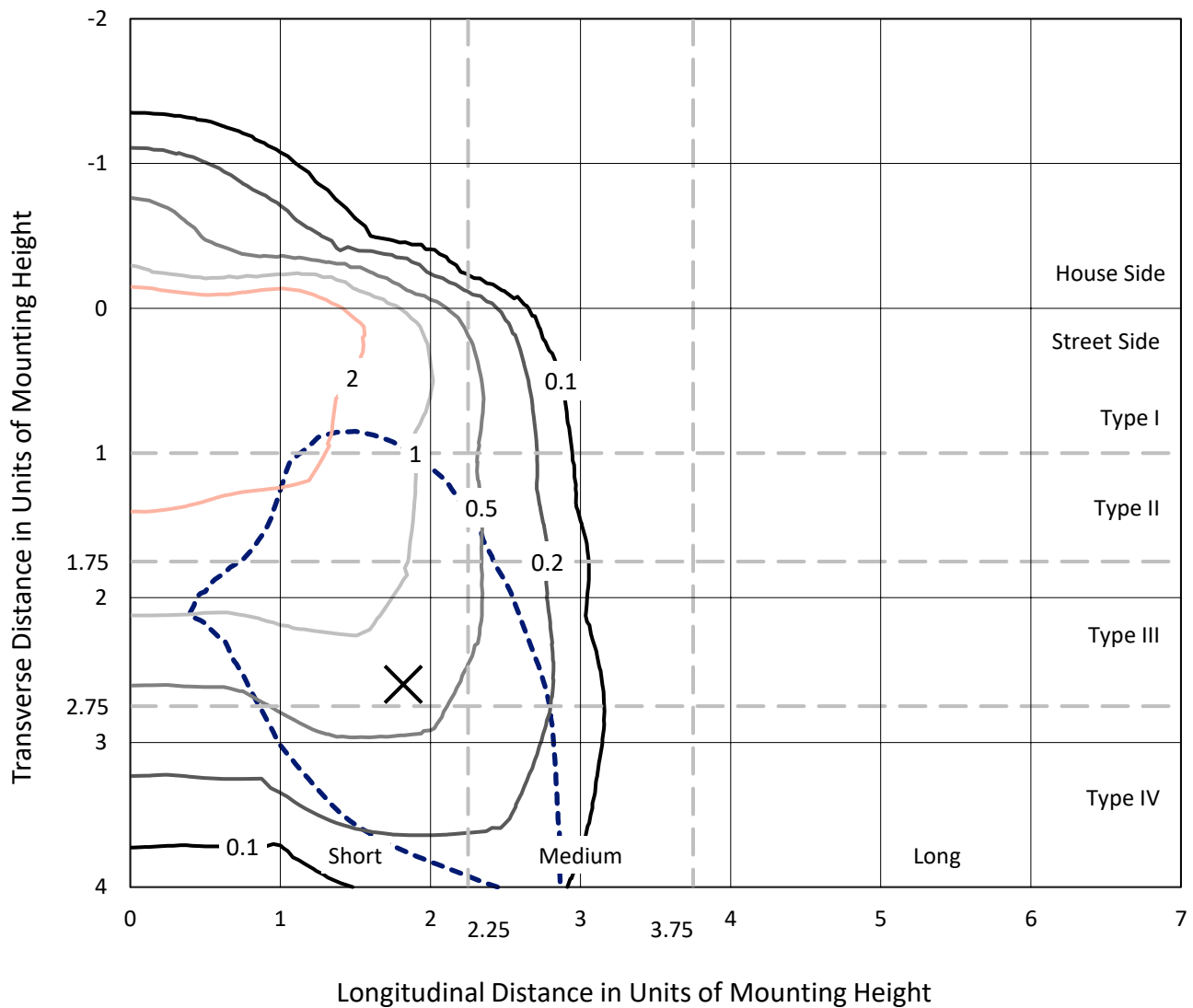
Lumens per Lamp: N/A  
Luminaire Lumens: 15913 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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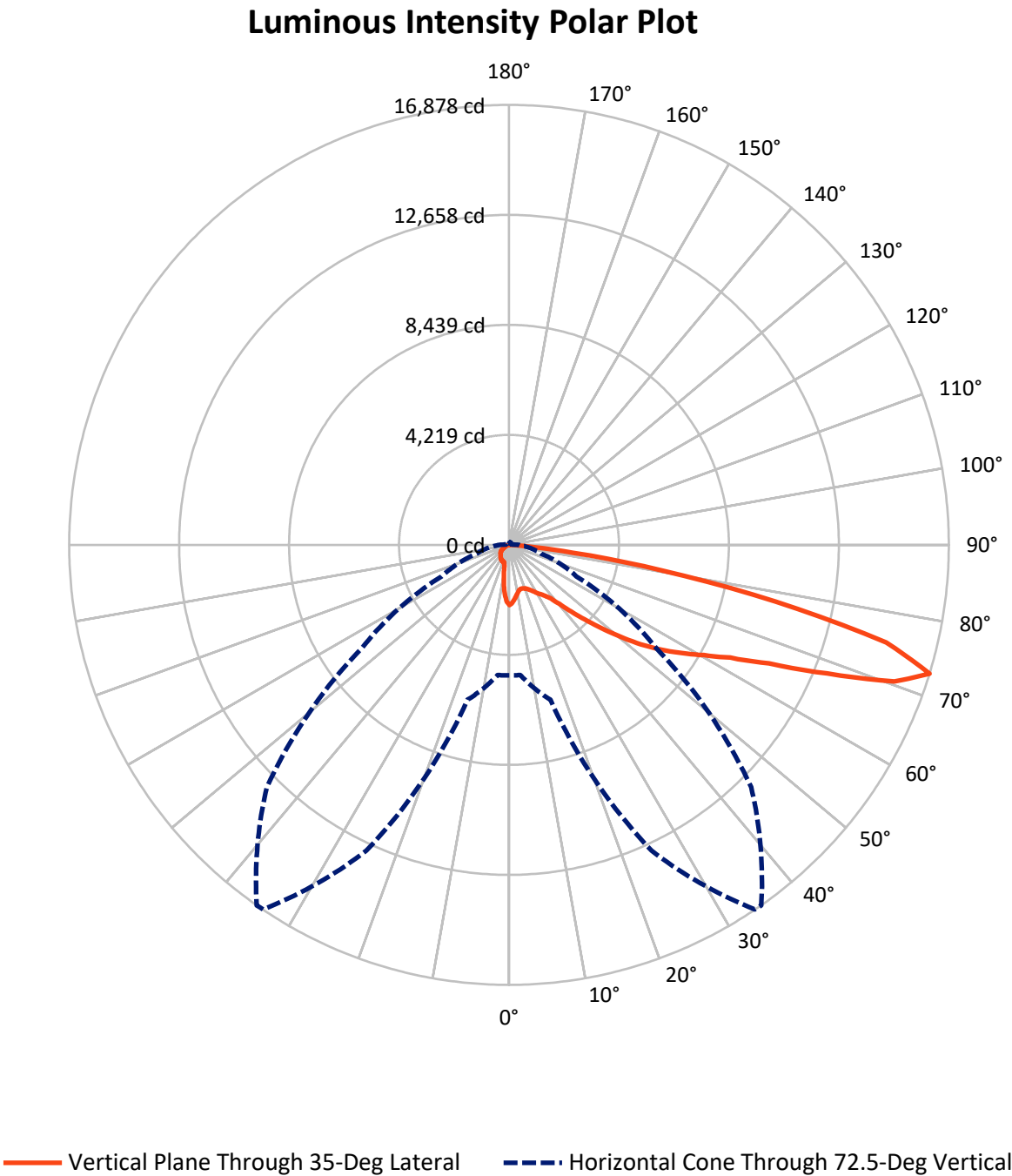
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1790.9   | 0.0    | 1790.9  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 14122.1  | 0.0    | 14122.1 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 15913.0  | 0.0    | 15913.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 189.5   | 1.2       |
| 10°-20°   | 443.4   | 2.8       |
| 20°-30°   | 720.2   | 4.5       |
| 30°-40°   | 1201.7  | 7.6       |
| 40°-50°   | 2273.6  | 14.3      |
| 50°-60°   | 3612.8  | 22.7      |
| 60°-70°   | 4469.2  | 28.1      |
| 70°-80°   | 2778.1  | 17.5      |
| 80°-90°   | 224.5   | 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°    | 15913.0 | 100.0     |
| 0°-180°   | 15913.0 | 100.0     |

**Coefficient of Utilization**



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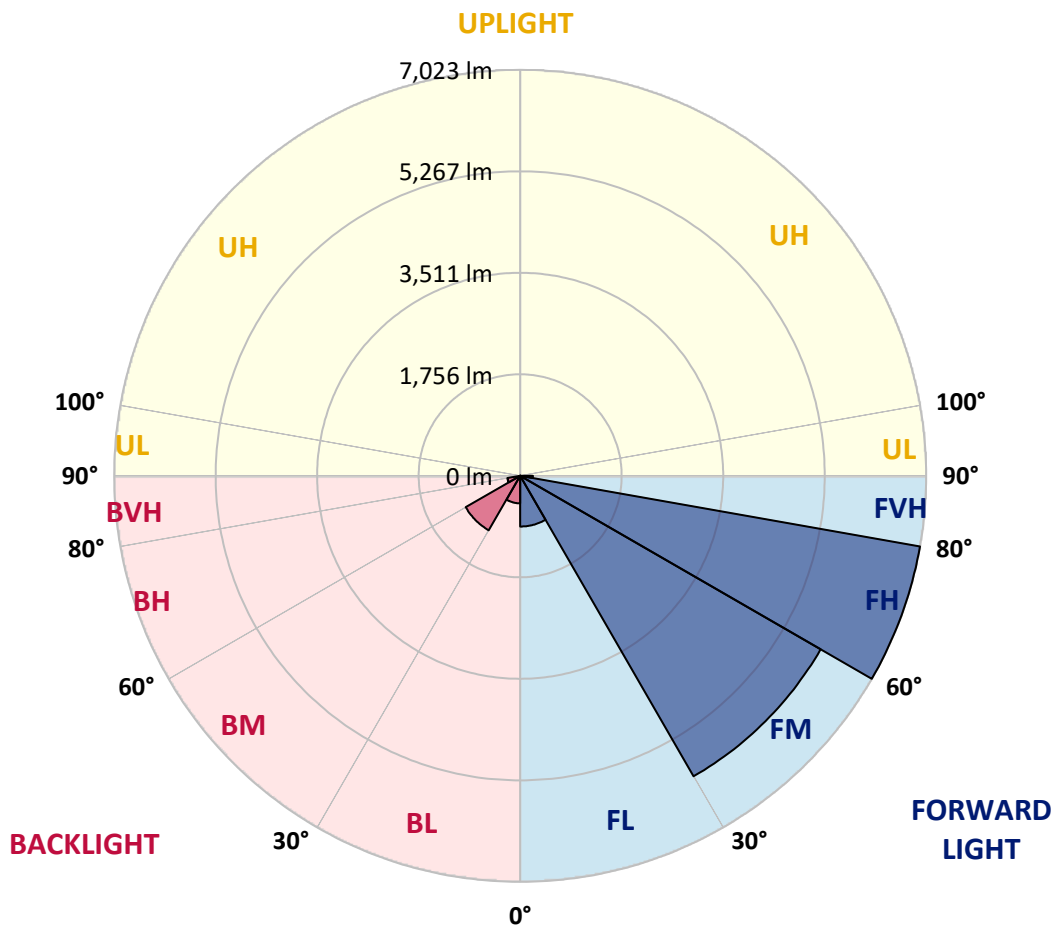
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 877.2  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 6000.8 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 7022.6 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 221.5  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 475.9  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1087.3 | 6.8       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 224.7  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.1    | 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°    | 2306.3 | 2306.3 | 2306.3 | 2306.3  | 2306.3  | 2306.3  | 2306.3  | 2306.3  | 2306.3 | 2306.3 |
| 2.5°  | 2203.7 | 2222.4 | 2225.9 | 2231.7  | 2231.7  | 2238.7  | 2250.4  | 2266.7  | 2293.5 | 2307.5 |
| 5°    | 2031.2 | 2045.1 | 2062.6 | 2076.6  | 2103.4  | 2106.9  | 2152.4  | 2196.7  | 2258.5 | 2305.2 |
| 7.5°  | 1857.4 | 1873.7 | 1897.1 | 1930.9  | 1965.9  | 1976.4  | 2045.1  | 2119.8  | 2217.7 | 2305.2 |
| 10°   | 1735.0 | 1736.2 | 1757.1 | 1791.0  | 1846.9  | 1859.8  | 1943.7  | 2049.8  | 2172.2 | 2291.2 |
| 12.5° | 1666.2 | 1674.4 | 1683.7 | 1709.3  | 1763.0  | 1771.1  | 1860.9  | 1985.7  | 2126.8 | 2283.0 |
| 15°   | 1666.2 | 1672.0 | 1677.9 | 1690.7  | 1733.8  | 1740.8  | 1820.1  | 1944.9  | 2103.4 | 2286.5 |
| 17.5° | 1683.7 | 1693.0 | 1688.4 | 1703.5  | 1749.0  | 1753.6  | 1823.6  | 1933.2  | 2102.3 | 2308.7 |
| 20°   | 1725.7 | 1732.7 | 1723.3 | 1732.7  | 1778.1  | 1787.5  | 1859.8  | 1955.4  | 2122.1 | 2347.1 |
| 22.5° | 1792.1 | 1795.6 | 1773.5 | 1780.5  | 1827.1  | 1838.8  | 1922.7  | 2018.3  | 2169.9 | 2408.9 |
| 25°   | 1876.1 | 1883.1 | 1849.3 | 1857.4  | 1901.7  | 1915.7  | 2012.5  | 2112.8  | 2245.7 | 2494.1 |
| 27.5° | 1972.9 | 1976.4 | 1947.2 | 1946.0  | 2003.2  | 2023.0  | 2120.9  | 2229.4  | 2347.1 | 2601.3 |
| 30°   | 2083.6 | 2094.1 | 2066.1 | 2061.5  | 2133.8  | 2150.1  | 2246.9  | 2372.8  | 2496.4 | 2762.2 |
| 32.5° | 2171.1 | 2179.2 | 2162.9 | 2174.6  | 2248.0  | 2260.9  | 2399.6  | 2575.7  | 2730.7 | 2990.8 |
| 35°   | 2297.0 | 2301.7 | 2264.4 | 2285.3  | 2369.3  | 2401.9  | 2608.3  | 2860.2  | 3025.7 | 3277.6 |
| 37.5° | 2752.9 | 2752.9 | 2594.3 | 2490.6  | 2571.0  | 2600.2  | 2894.0  | 3218.1  | 3389.5 | 3662.4 |
| 40°   | 3383.7 | 3373.2 | 3141.2 | 2929.0  | 2918.5  | 2975.6  | 3300.9  | 3669.4  | 3859.4 | 4124.1 |
| 42.5° | 4056.5 | 4040.2 | 3724.2 | 3514.3  | 3479.3  | 3499.1  | 3770.8  | 4225.5  | 4419.1 | 4687.3 |
| 45°   | 4653.5 | 4648.8 | 4359.6 | 4077.5  | 4014.5  | 4077.5  | 4357.3  | 4876.2  | 5014.9 | 5297.1 |
| 47.5° | 5153.7 | 5153.7 | 4942.6 | 4758.4  | 4725.8  | 4763.1  | 5151.3  | 5597.9  | 5585.1 | 5946.5 |
| 50°   | 5729.7 | 5725.0 | 5524.5 | 5445.2  | 5479.0  | 5531.5  | 6065.5  | 6358.1  | 6175.1 | 6584.3 |
| 52.5° | 6133.1 | 6161.1 | 6092.3 | 6079.5  | 6252.0  | 6343.0  | 6993.6  | 7102.0  | 6703.3 | 7189.5 |
| 55°   | 6452.6 | 6485.2 | 6564.5 | 6654.3  | 6986.6  | 7105.5  | 7892.6  | 7807.5  | 7145.2 | 7714.2 |
| 57.5° | 6905.0 | 6858.4 | 6980.8 | 7158.0  | 7695.5  | 7838.9  | 8763.6  | 8473.2  | 7500.8 | 8139.8 |
| 60°   | 7454.2 | 7461.2 | 7482.2 | 7706.0  | 8403.3  | 8587.5  | 9621.7  | 9102.9  | 7729.3 | 8401.0 |
| 62.5° | 8114.1 | 8124.6 | 8167.8 | 8511.7  | 9353.6  | 9527.3  | 10535.9 | 9618.2  | 7834.3 | 8327.5 |
| 65°   | 8068.6 | 8113.0 | 8594.5 | 9771.0  | 10798.2 | 10969.6 | 11602.8 | 9979.7  | 7675.7 | 7655.9 |
| 67.5° | 7350.4 | 7422.7 | 8228.4 | 11275.1 | 12976.3 | 13167.5 | 12892.3 | 10050.8 | 6991.3 | 5953.5 |
| 70°   | 6408.3 | 6433.9 | 7402.9 | 12627.7 | 15498.3 | 15691.9 | 14046.7 | 9268.5  | 5305.3 | 3320.7 |
| 72.5° | 5004.4 | 5010.3 | 6147.1 | 12941.3 | 16867.2 | 16877.7 | 13140.7 | 6880.5  | 2853.2 | 1275.6 |
| 75°   | 3574.9 | 3539.9 | 4117.1 | 10495.1 | 14839.5 | 14958.5 | 9851.4  | 3227.5  | 1090.2 | 602.8  |
| 77.5° | 1916.9 | 1955.4 | 2329.6 | 6224.1  | 10251.4 | 10454.3 | 5375.2  | 930.5   | 555.0  | 410.4  |
| 80°   | 592.3  | 625.0  | 954.9  | 2849.7  | 5806.6  | 5929.1  | 1992.7  | 413.9   | 387.1  | 292.7  |
| 82.5° | 186.6  | 193.6  | 445.4  | 1197.5  | 2410.1  | 2466.1  | 577.2   | 234.4   | 264.7  | 193.6  |
| 85°   | 53.6   | 54.8   | 198.2  | 446.6   | 595.8   | 607.5   | 162.1   | 90.9    | 151.6  | 120.1  |
| 87.5° | 5.8    | 18.7   | 74.6   | 74.6    | 52.5    | 51.3    | 17.5    | 19.8    | 43.1   | 15.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2306.3 | 0°    | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 | 2306.3 |
| 2316.8 | 2.5°  | 2311.0 | 2312.2 | 2297.0 | 2271.3 | 2243.4 | 2220.0 | 2190.9 | 2167.6 | 2151.3 | 2146.6 |
| 2337.8 | 5°    | 2327.3 | 2319.2 | 2276.0 | 2197.9 | 2104.6 | 2024.2 | 1934.4 | 1863.3 | 1816.6 | 1796.8 |
| 2360.0 | 7.5°  | 2351.8 | 2328.5 | 2234.0 | 2080.1 | 1901.7 | 1743.2 | 1582.2 | 1457.5 | 1378.2 | 1338.6 |
| 2381.0 | 10°   | 2372.8 | 2326.1 | 2164.1 | 1909.9 | 1637.0 | 1396.9 | 1180.0 | 1029.6 | 945.6  | 906.0  |
| 2405.4 | 12.5° | 2392.6 | 2325.0 | 2073.1 | 1708.2 | 1338.6 | 1044.7 | 843.0  | 768.4  | 745.1  | 736.9  |
| 2445.1 | 15°   | 2429.9 | 2328.5 | 1958.9 | 1477.3 | 1041.2 | 789.4  | 715.9  | 714.8  | 719.4  | 717.1  |
| 2505.7 | 17.5° | 2481.2 | 2332.0 | 1829.4 | 1232.5 | 803.4  | 696.1  | 692.6  | 703.1  | 710.1  | 706.6  |
| 2581.5 | 20°   | 2547.7 | 2346.0 | 1691.9 | 989.9  | 690.3  | 672.8  | 680.9  | 690.3  | 696.1  | 690.3  |
| 2682.9 | 22.5° | 2641.0 | 2370.5 | 1541.4 | 795.2  | 654.1  | 658.8  | 665.8  | 676.3  | 682.1  | 673.9  |
| 2812.4 | 25°   | 2755.2 | 2408.9 | 1393.4 | 691.4  | 636.6  | 642.5  | 653.0  | 664.6  | 671.6  | 663.4  |
| 2975.6 | 27.5° | 2903.3 | 2470.7 | 1256.9 | 668.1  | 619.1  | 622.6  | 637.8  | 655.3  | 664.6  | 654.1  |
| 3207.6 | 30°   | 3117.9 | 2572.2 | 1139.2 | 678.6  | 608.6  | 600.5  | 621.5  | 646.0  | 656.5  | 647.1  |
| 3523.6 | 32.5° | 3402.4 | 2715.6 | 1066.9 | 694.9  | 604.0  | 574.8  | 594.7  | 626.1  | 643.6  | 637.8  |
| 3936.4 | 35°   | 3775.5 | 2933.6 | 1038.9 | 713.6  | 600.5  | 548.0  | 562.0  | 595.8  | 626.1  | 632.0  |
| 4456.4 | 37.5° | 4227.9 | 3236.8 | 1047.1 | 721.7  | 590.0  | 525.9  | 532.9  | 562.0  | 601.7  | 620.3  |
| 5041.7 | 40°   | 4742.1 | 3590.1 | 1093.7 | 713.6  | 578.3  | 507.2  | 508.4  | 530.5  | 565.5  | 593.5  |
| 5671.4 | 42.5° | 5272.6 | 4002.8 | 1180.0 | 683.3  | 567.8  | 490.9  | 487.4  | 502.5  | 525.9  | 545.7  |
| 6299.8 | 45°   | 5777.5 | 4427.3 | 1265.1 | 641.3  | 555.0  | 474.6  | 466.4  | 472.2  | 476.9  | 485.1  |
| 6912.0 | 47.5° | 6218.2 | 4725.8 | 1240.6 | 602.8  | 537.5  | 455.9  | 441.9  | 439.6  | 425.6  | 424.4  |
| 7458.8 | 50°   | 6522.5 | 4791.1 | 1101.9 | 564.3  | 511.9  | 434.9  | 412.8  | 398.8  | 374.3  | 362.6  |
| 7868.1 | 52.5° | 6619.3 | 4533.4 | 900.1  | 525.9  | 469.9  | 406.9  | 375.4  | 353.3  | 323.0  | 312.5  |
| 8103.6 | 55°   | 6491.1 | 4028.5 | 719.4  | 479.2  | 411.6  | 369.6  | 334.6  | 305.5  | 281.0  | 268.2  |
| 8129.3 | 57.5° | 6177.4 | 3386.0 | 569.0  | 424.4  | 349.8  | 327.6  | 292.7  | 263.5  | 242.5  | 229.7  |
| 7844.8 | 60°   | 5657.4 | 2688.8 | 450.1  | 359.1  | 298.5  | 282.2  | 246.0  | 227.4  | 208.7  | 193.6  |
| 7110.2 | 62.5° | 4868.0 | 1919.2 | 353.3  | 284.5  | 249.5  | 230.9  | 209.9  | 195.9  | 173.7  | 152.7  |
| 5789.1 | 65°   | 3798.8 | 1174.2 | 272.8  | 208.7  | 200.6  | 191.2  | 178.4  | 165.6  | 138.8  | 117.8  |
| 3776.6 | 67.5° | 2396.1 | 556.2  | 194.7  | 157.4  | 158.6  | 153.9  | 148.1  | 137.6  | 117.8  | 99.1   |
| 1691.9 | 70°   | 1055.2 | 269.3  | 128.3  | 120.1  | 117.8  | 117.8  | 122.4  | 118.9  | 100.3  | 82.8   |
| 587.7  | 72.5° | 359.1  | 144.6  | 95.6   | 90.9   | 85.1   | 84.0   | 102.6  | 99.1   | 80.5   | 64.1   |
| 292.7  | 75°   | 187.7  | 96.8   | 70.0   | 65.3   | 51.3   | 61.8   | 81.6   | 77.0   | 57.1   | 42.0   |
| 193.6  | 77.5° | 122.4  | 68.8   | 47.8   | 42.0   | 29.1   | 40.8   | 60.6   | 53.6   | 33.8   | 21.0   |
| 127.1  | 80°   | 77.0   | 45.5   | 28.0   | 19.8   | 14.0   | 22.2   | 32.6   | 23.3   | 12.8   | 4.7    |
| 74.6   | 82.5° | 40.8   | 23.3   | 10.5   | 7.0    | 5.8    | 7.0    | 8.2    | 5.8    | 2.3    | 0.0    |
| 38.5   | 85°   | 16.3   | 8.2    | 3.5    | 2.3    | 1.2    | 0.0    | 2.3    | 1.2    | 0.0    | 0.0    |
| 7.0    | 87.5° | 5.8    | 1.2    | 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°   |
|--------|
| 2306.3 |
| 2154.7 |
| 1803.8 |
| 1344.4 |
| 907.1  |
| 734.6  |
| 715.9  |
| 705.4  |
| 689.1  |
| 672.8  |
| 662.3  |
| 654.1  |
| 646.0  |
| 637.8  |
| 632.0  |
| 625.0  |
| 602.8  |
| 553.8  |
| 489.7  |
| 423.3  |
| 363.8  |
| 311.3  |
| 268.2  |
| 227.4  |
| 190.1  |
| 149.2  |
| 114.3  |
| 96.8   |
| 79.3   |
| 60.6   |
| 38.5   |
| 18.7   |
| 3.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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