

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: P947715

Luminaire Tested: **GLAN-SB3A-727-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-727-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12201 lumens  
Efficiency: N/A  
Efficacy: 144.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
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

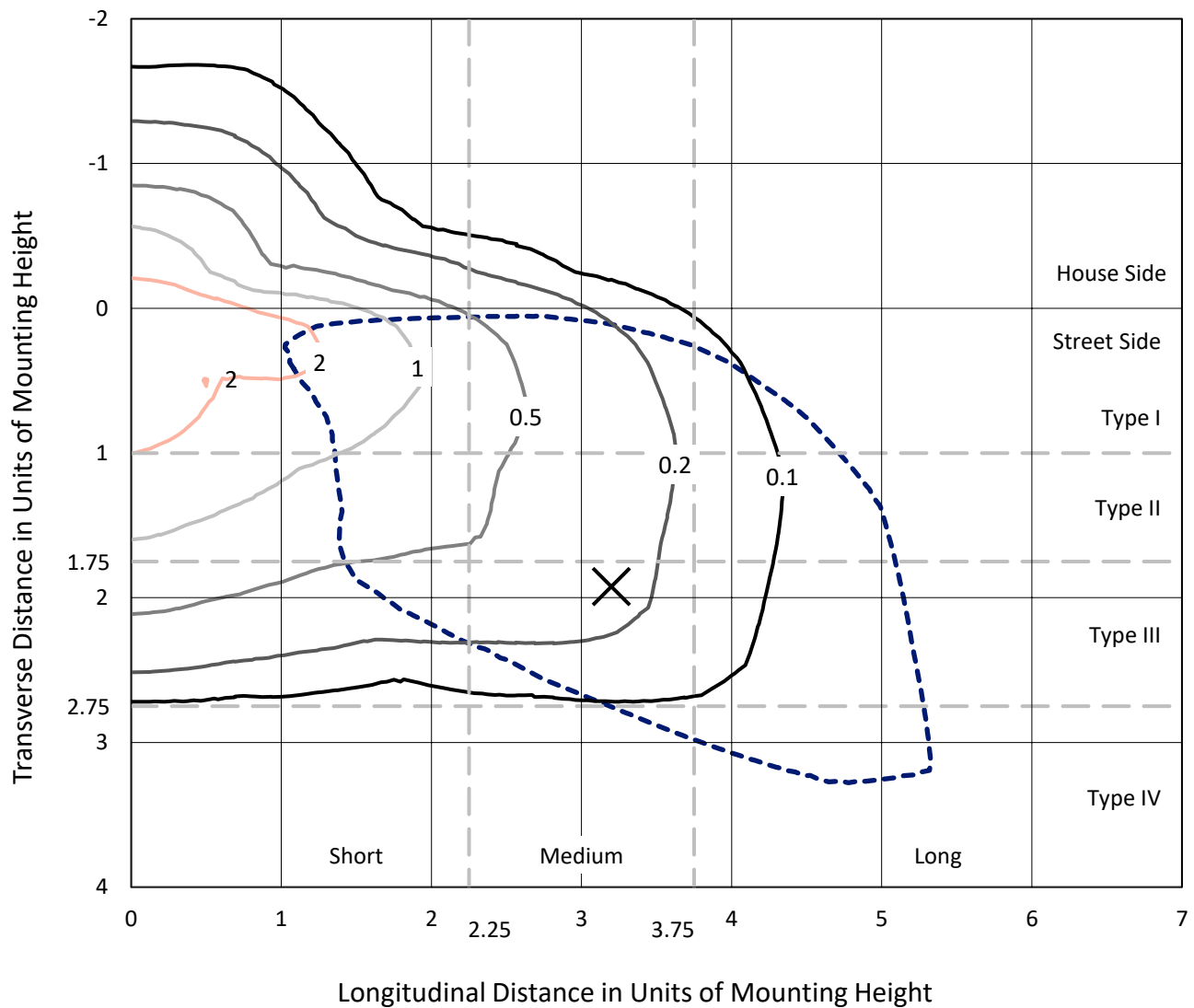


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

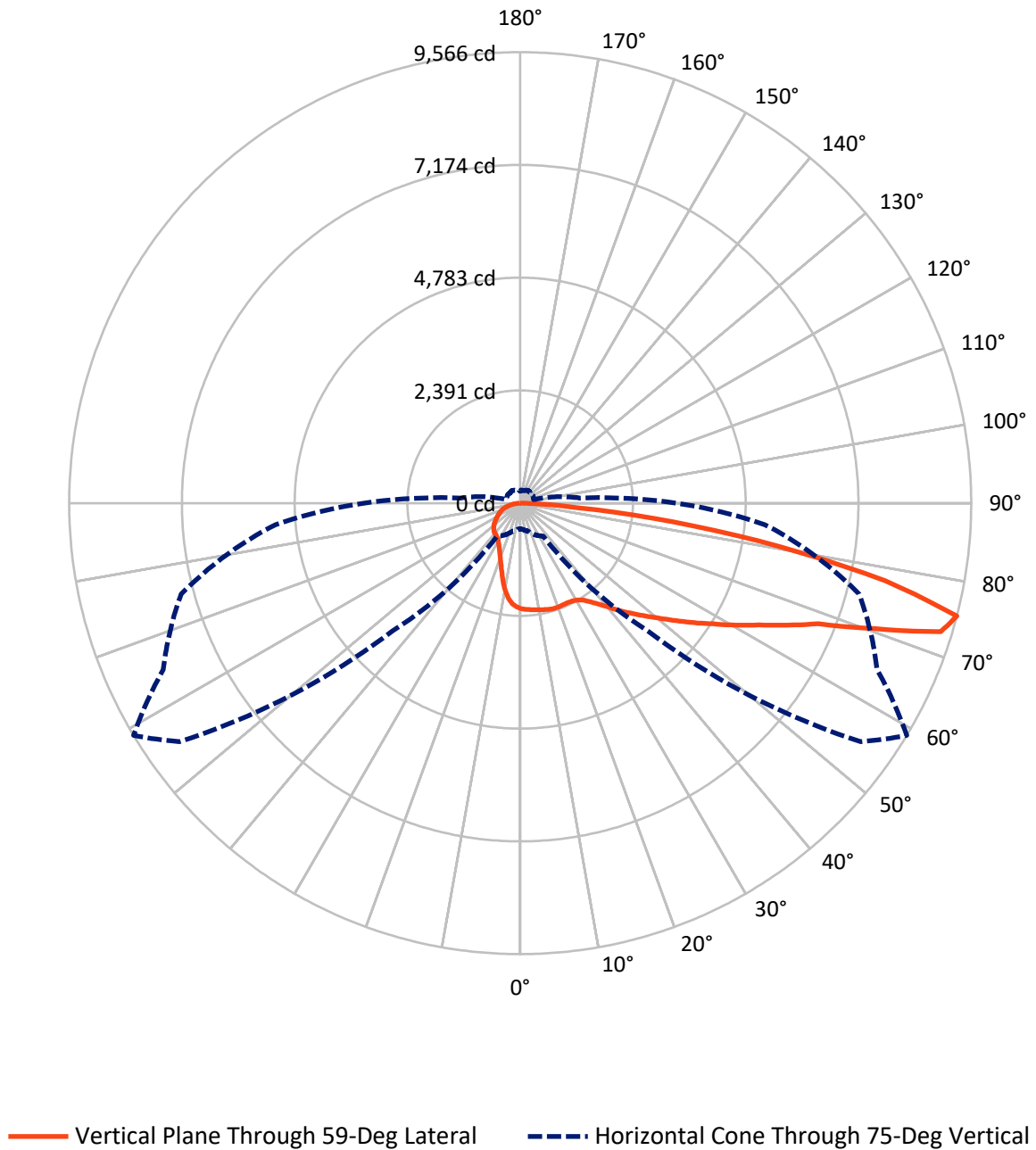


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2288.4   | 0.0    | 2288.4  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 9912.6   | 0.0    | 9912.6  |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 12201.0  | 0.0    | 12201.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 200.8   | 1.6       |
| 10°-20°   | 513.3   | 4.2       |
| 20°-30°   | 779.6   | 6.4       |
| 30°-40°   | 1158.9  | 9.5       |
| 40°-50°   | 1723.5  | 14.1      |
| 50°-60°   | 2339.4  | 19.2      |
| 60°-70°   | 2856.0  | 23.4      |
| 70°-80°   | 2241.3  | 18.4      |
| 80°-90°   | 388.3   | 3.2       |
| 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°    | 12201.0 | 100.0     |
| 0°-180°   | 12201.0 | 100.0     |

**Coefficient of Utilization**



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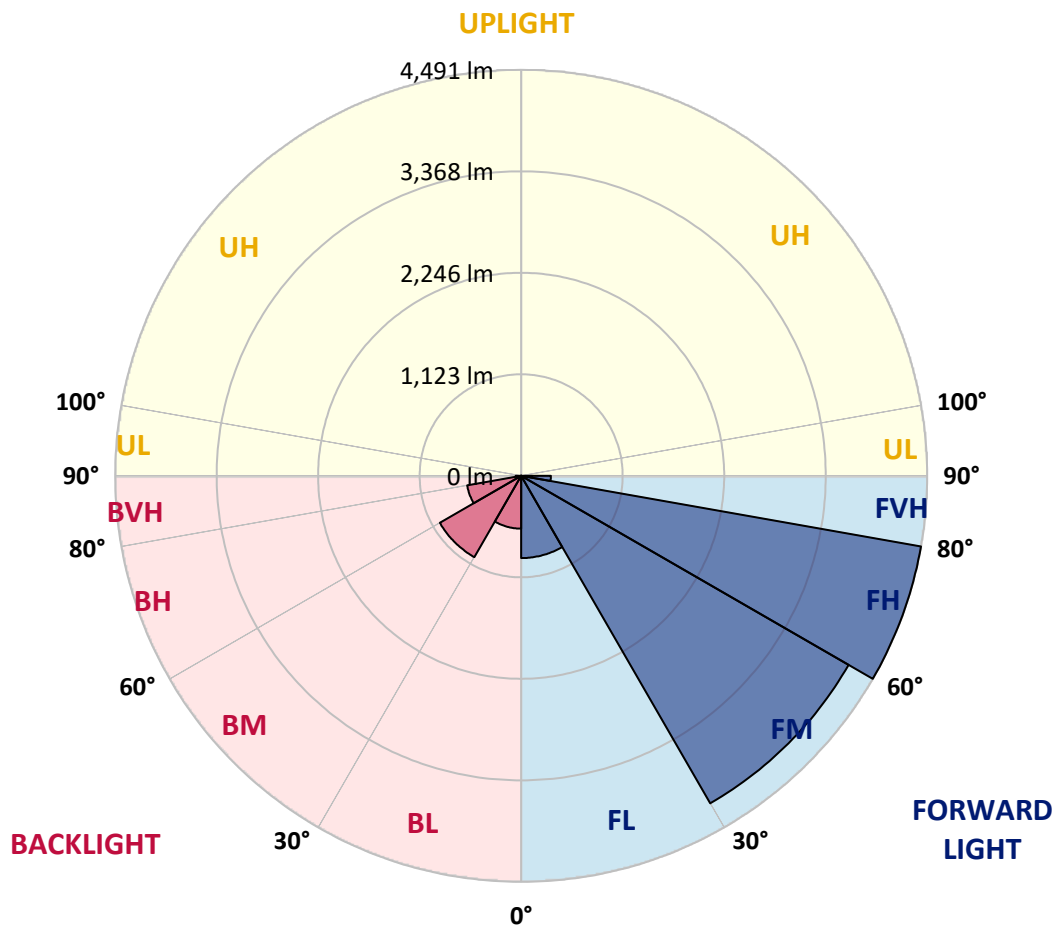
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 909.7  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 4183.0 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 4491.1 | 36.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 328.8  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 584.0  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1038.7 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 606.3  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 59.4   | 0.5       |                         |      | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 |
| 2.5°  | 2258.5 | 2250.6 | 2258.5 | 2255.2 | 2253.9 | 2251.3 | 2251.9 | 2256.5 | 2253.9 | 2257.2 |
| 5°    | 2243.4 | 2238.8 | 2246.7 | 2244.7 | 2253.2 | 2254.6 | 2263.1 | 2268.3 | 2271.6 | 2272.3 |
| 7.5°  | 2218.5 | 2213.9 | 2225.0 | 2234.2 | 2252.6 | 2257.8 | 2275.6 | 2284.1 | 2288.7 | 2296.6 |
| 10°   | 2127.2 | 2125.3 | 2152.8 | 2187.6 | 2230.9 | 2257.8 | 2284.8 | 2299.2 | 2306.4 | 2327.4 |
| 12.5° | 1965.8 | 1968.4 | 2004.5 | 2071.4 | 2158.1 | 2244.7 | 2295.3 | 2316.3 | 2327.4 | 2353.7 |
| 15°   | 1811.5 | 1810.9 | 1850.3 | 1921.8 | 2043.2 | 2187.0 | 2300.5 | 2336.6 | 2355.6 | 2394.4 |
| 17.5° | 1722.3 | 1719.6 | 1747.2 | 1801.7 | 1914.6 | 2098.4 | 2287.4 | 2347.8 | 2388.5 | 2437.0 |
| 20°   | 1705.9 | 1700.6 | 1715.0 | 1742.0 | 1822.0 | 2001.2 | 2253.2 | 2347.8 | 2414.7 | 2477.7 |
| 22.5° | 1765.6 | 1757.0 | 1751.1 | 1747.9 | 1783.3 | 1921.1 | 2214.5 | 2339.9 | 2453.4 | 2536.1 |
| 25°   | 1885.7 | 1872.6 | 1842.4 | 1812.8 | 1802.3 | 1885.0 | 2180.4 | 2337.9 | 2511.2 | 2614.9 |
| 27.5° | 2080.0 | 2063.6 | 2002.5 | 1931.6 | 1868.0 | 1903.4 | 2165.3 | 2349.7 | 2574.9 | 2698.3 |
| 30°   | 2320.9 | 2303.1 | 2226.3 | 2117.4 | 2003.2 | 1971.7 | 2184.3 | 2384.5 | 2656.2 | 2809.2 |
| 32.5° | 2536.8 | 2517.1 | 2451.5 | 2340.5 | 2186.3 | 2089.8 | 2244.7 | 2450.8 | 2784.2 | 2963.4 |
| 35°   | 2728.4 | 2705.5 | 2646.4 | 2544.0 | 2410.8 | 2255.9 | 2353.7 | 2568.3 | 2966.0 | 3214.1 |
| 37.5° | 2916.2 | 2889.3 | 2824.9 | 2716.6 | 2623.4 | 2477.1 | 2504.0 | 2719.3 | 3207.6 | 3518.7 |
| 40°   | 3126.2 | 3087.5 | 3009.4 | 2902.4 | 2811.8 | 2736.3 | 2701.5 | 2904.3 | 3453.1 | 3858.7 |
| 42.5° | 3329.7 | 3292.9 | 3199.7 | 3108.5 | 2994.9 | 2973.3 | 2930.6 | 3120.9 | 3721.5 | 4232.1 |
| 45°   | 3548.9 | 3504.9 | 3392.0 | 3276.5 | 3205.0 | 3130.8 | 3152.4 | 3337.5 | 3984.7 | 4612.8 |
| 47.5° | 3754.3 | 3705.1 | 3571.9 | 3443.2 | 3403.8 | 3263.4 | 3355.9 | 3575.8 | 4258.4 | 4998.8 |
| 50°   | 3865.2 | 3816.7 | 3705.8 | 3589.6 | 3558.7 | 3426.8 | 3576.5 | 3837.7 | 4545.2 | 5383.4 |
| 52.5° | 3957.8 | 3905.3 | 3760.2 | 3695.9 | 3686.7 | 3604.7 | 3848.2 | 4137.0 | 4832.0 | 5723.4 |
| 55°   | 4056.2 | 3997.8 | 3812.7 | 3755.0 | 3797.0 | 3804.2 | 4170.4 | 4476.3 | 5135.3 | 6054.8 |
| 57.5° | 4169.8 | 4095.6 | 3863.3 | 3804.9 | 3904.6 | 4037.9 | 4540.6 | 4828.1 | 5433.3 | 6362.0 |
| 60°   | 4276.8 | 4202.0 | 3960.4 | 3884.3 | 4020.8 | 4308.9 | 4965.3 | 5254.1 | 5770.6 | 6635.7 |
| 62.5° | 4297.8 | 4236.1 | 4037.9 | 4037.2 | 4178.3 | 4625.3 | 5468.1 | 5684.0 | 6065.3 | 6906.1 |
| 65°   | 3934.2 | 3895.4 | 3778.0 | 4031.3 | 4404.1 | 5080.8 | 6027.9 | 6234.0 | 6440.1 | 7142.4 |
| 67.5° | 2994.3 | 2999.5 | 2991.0 | 3480.0 | 4221.6 | 5735.2 | 6838.5 | 6822.8 | 6902.8 | 7407.6 |
| 70°   | 1369.1 | 1400.0 | 1600.8 | 2402.2 | 3382.2 | 5810.7 | 8178.8 | 7974.7 | 7483.7 | 7750.8 |
| 72.5° | 739.7  | 763.3  | 845.4  | 1163.7 | 2033.4 | 5166.1 | 9180.4 | 9325.4 | 8256.2 | 7981.9 |
| 75°   | 542.8  | 555.9  | 613.0  | 739.7  | 853.9  | 3839.6 | 8821.3 | 9565.6 | 8352.7 | 7443.0 |
| 77.5° | 406.3  | 412.2  | 458.8  | 586.1  | 437.1  | 2024.2 | 7048.5 | 7922.1 | 7150.3 | 6115.2 |
| 80°   | 294.7  | 301.3  | 336.1  | 439.8  | 306.5  | 740.4  | 4839.9 | 5560.6 | 4897.0 | 3898.1 |
| 82.5° | 203.5  | 206.1  | 221.2  | 299.3  | 214.0  | 287.5  | 2746.2 | 3260.7 | 2733.7 | 1367.8 |
| 85°   | 122.7  | 126.0  | 132.6  | 174.6  | 121.4  | 136.5  | 1185.4 | 1226.1 | 817.2  | 326.9  |
| 87.5° | 50.5   | 53.8   | 59.1   | 73.5   | 47.9   | 38.1   | 195.6  | 245.5  | 152.9  | 95.8   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2239.5 | 0°    | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 | 2239.5 |
| 2246.0 | 2.5°  | 2242.7 | 2238.2 | 2225.7 | 2208.6 | 2192.9 | 2173.2 | 2164.6 | 2157.4 | 2150.9 | 2138.4 |
| 2263.8 | 5°    | 2256.5 | 2244.1 | 2210.6 | 2167.3 | 2118.0 | 2064.2 | 2011.7 | 1975.6 | 1944.8 | 1921.8 |
| 2284.1 | 7.5°  | 2277.5 | 2253.9 | 2192.9 | 2104.3 | 1991.4 | 1875.8 | 1771.5 | 1697.3 | 1641.5 | 1621.2 |
| 2313.0 | 10°   | 2299.2 | 2271.0 | 2164.6 | 2008.4 | 1813.5 | 1635.6 | 1497.1 | 1421.0 | 1376.4 | 1361.9 |
| 2347.1 | 12.5° | 2324.8 | 2283.4 | 2120.7 | 1875.2 | 1614.6 | 1419.7 | 1298.9 | 1254.3 | 1231.3 | 1223.4 |
| 2389.1 | 15°   | 2362.2 | 2293.9 | 2054.4 | 1708.5 | 1424.9 | 1262.2 | 1184.1 | 1153.2 | 1141.4 | 1140.7 |
| 2432.4 | 17.5° | 2390.4 | 2295.9 | 1951.3 | 1530.0 | 1279.2 | 1167.0 | 1102.7 | 1090.9 | 1098.7 | 1110.5 |
| 2475.1 | 20°   | 2421.9 | 2278.2 | 1816.1 | 1367.2 | 1176.8 | 1083.6 | 1056.7 | 1064.6 | 1083.6 | 1100.7 |
| 2531.5 | 22.5° | 2444.2 | 2246.0 | 1652.7 | 1240.5 | 1088.2 | 1035.7 | 1034.4 | 1050.8 | 1061.3 | 1069.9 |
| 2597.8 | 25°   | 2463.9 | 2191.6 | 1479.4 | 1134.2 | 1015.4 | 1006.8 | 1021.3 | 1016.0 | 1008.8 | 1016.0 |
| 2664.1 | 27.5° | 2478.4 | 2105.6 | 1324.5 | 1041.0 | 964.2  | 987.2  | 978.6  | 966.8  | 966.1  | 970.1  |
| 2742.2 | 30°   | 2473.8 | 1990.7 | 1197.2 | 952.4  | 928.1  | 950.4  | 930.0  | 928.1  | 926.1  | 928.1  |
| 2859.7 | 32.5° | 2473.8 | 1860.1 | 1099.4 | 891.3  | 905.1  | 896.6  | 894.6  | 890.0  | 882.1  | 881.5  |
| 3019.2 | 35°   | 2487.6 | 1729.5 | 1015.4 | 858.5  | 886.1  | 865.7  | 867.0  | 855.9  | 839.5  | 831.6  |
| 3230.6 | 37.5° | 2515.8 | 1624.5 | 932.0  | 842.8  | 852.6  | 851.9  | 846.7  | 827.7  | 798.8  | 773.8  |
| 3494.4 | 40°   | 2584.1 | 1593.6 | 874.9  | 835.5  | 836.8  | 844.7  | 830.9  | 794.2  | 728.5  | 687.9  |
| 3762.2 | 42.5° | 2691.0 | 1645.5 | 862.4  | 817.8  | 826.3  | 834.2  | 807.3  | 722.0  | 675.4  | 651.1  |
| 4043.1 | 45°   | 2826.9 | 1736.0 | 889.4  | 792.2  | 801.4  | 815.2  | 735.1  | 694.4  | 673.4  | 674.1  |
| 4321.4 | 47.5° | 2998.9 | 1831.2 | 939.2  | 769.9  | 765.3  | 773.2  | 687.2  | 662.3  | 633.4  | 640.6  |
| 4588.5 | 50°   | 3197.7 | 1927.7 | 986.5  | 739.7  | 725.3  | 699.7  | 656.4  | 632.7  | 596.0  | 578.9  |
| 4846.5 | 52.5° | 3413.0 | 2020.9 | 1005.5 | 703.0  | 681.9  | 652.4  | 635.3  | 606.5  | 561.8  | 533.6  |
| 5090.0 | 55°   | 3617.1 | 2105.6 | 984.5  | 659.0  | 638.6  | 615.7  | 613.0  | 595.3  | 547.4  | 508.0  |
| 5306.6 | 57.5° | 3810.1 | 2176.5 | 932.0  | 614.3  | 594.7  | 580.9  | 598.6  | 590.1  | 529.7  | 479.1  |
| 5511.4 | 60°   | 3973.5 | 2225.0 | 855.9  | 569.1  | 555.3  | 548.1  | 575.0  | 572.3  | 504.7  | 448.3  |
| 5695.1 | 62.5° | 4103.5 | 2244.1 | 771.9  | 525.7  | 522.5  | 509.3  | 542.1  | 542.1  | 473.2  | 418.1  |
| 5856.6 | 65°   | 4205.2 | 2225.7 | 686.5  | 483.1  | 489.6  | 469.9  | 502.1  | 498.2  | 439.8  | 391.2  |
| 6042.4 | 67.5° | 4295.2 | 2165.3 | 592.0  | 441.1  | 456.2  | 431.2  | 460.1  | 450.9  | 403.0  | 364.3  |
| 6203.2 | 70°   | 4335.2 | 2024.8 | 484.4  | 399.1  | 417.4  | 393.2  | 418.1  | 401.0  | 361.6  | 335.4  |
| 6026.6 | 72.5° | 4013.6 | 1682.9 | 381.3  | 355.1  | 370.8  | 351.1  | 372.8  | 353.1  | 317.0  | 305.2  |
| 5204.2 | 75°   | 3320.5 | 1262.8 | 293.4  | 307.2  | 319.0  | 303.9  | 318.3  | 303.9  | 271.1  | 279.6  |
| 3844.2 | 77.5° | 2411.4 | 852.6  | 224.5  | 256.6  | 261.9  | 254.0  | 266.5  | 250.1  | 220.5  | 218.6  |
| 1915.9 | 80°   | 1199.2 | 499.5  | 175.9  | 202.8  | 200.8  | 195.6  | 210.0  | 202.2  | 177.2  | 187.7  |
| 517.2  | 82.5° | 347.2  | 214.0  | 128.0  | 142.4  | 138.5  | 139.8  | 150.3  | 154.2  | 231.0  | 229.1  |
| 160.8  | 85°   | 109.0  | 84.0   | 76.8   | 79.4   | 75.5   | 77.4   | 88.6   | 175.9  | 162.8  | 95.2   |
| 49.9   | 87.5° | 28.2   | 28.9   | 19.0   | 20.3   | 21.0   | 24.9   | 28.2   | 107.0  | 51.2   | 33.5   |
| 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°   |
|--------|
| 2239.5 |
| 2132.5 |
| 1902.8 |
| 1585.7 |
| 1339.6 |
| 1225.4 |
| 1143.4 |
| 1115.1 |
| 1106.6 |
| 1074.4 |
| 1020.6 |
| 976.6  |
| 935.3  |
| 890.0  |
| 839.5  |
| 782.4  |
| 693.1  |
| 651.1  |
| 677.4  |
| 659.0  |
| 583.5  |
| 533.0  |
| 508.0  |
| 476.5  |
| 446.3  |
| 416.1  |
| 388.6  |
| 361.6  |
| 330.1  |
| 295.4  |
| 255.3  |
| 208.7  |
| 185.7  |
| 234.3  |
| 103.0  |
| 35.4   |
| 0.0    |

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