

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: P939057

Luminaire Tested: **GLAN-SB1C-722-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6193 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4  
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

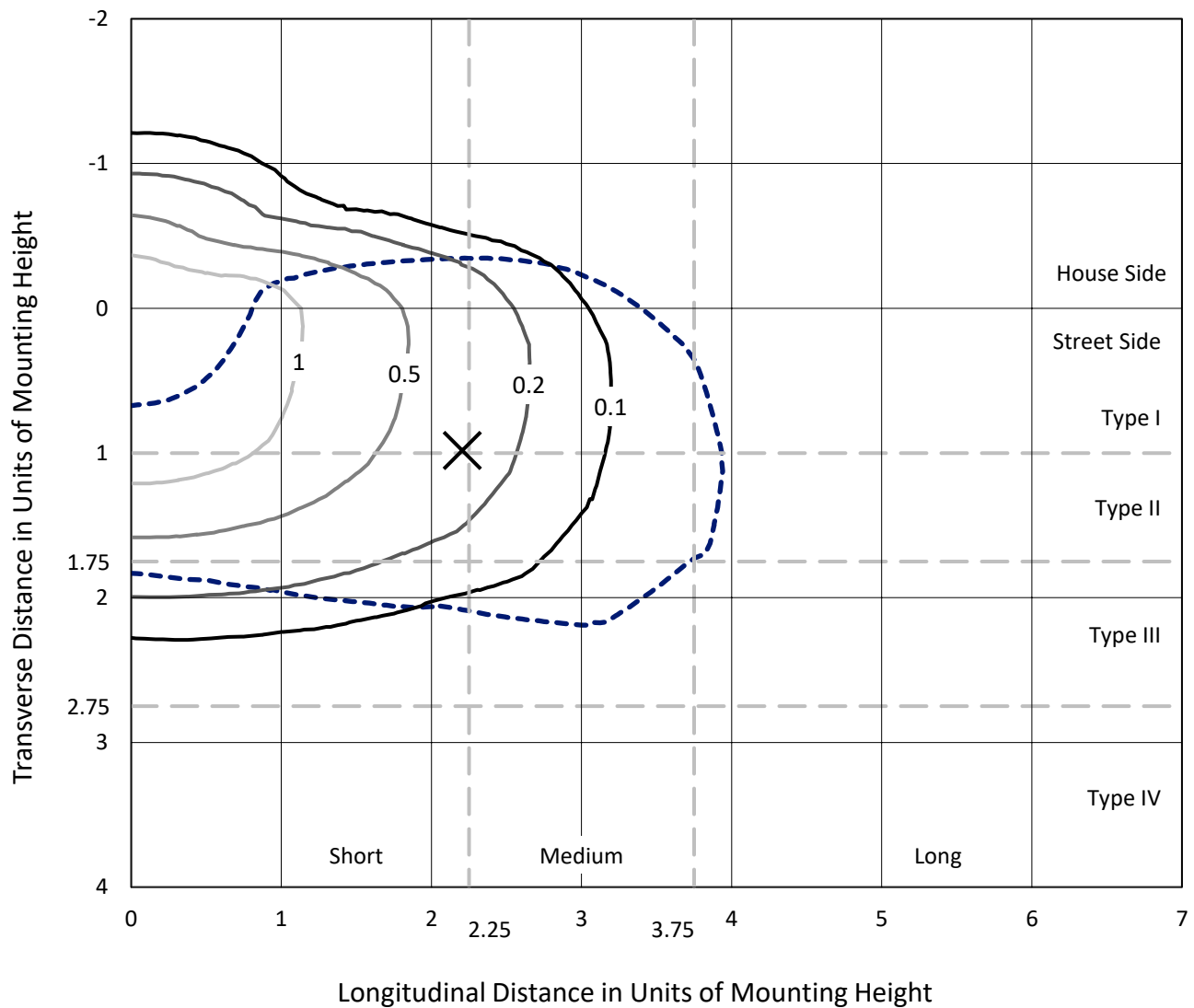


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## Iso-Footcandle Lines of Horizontal Illumination

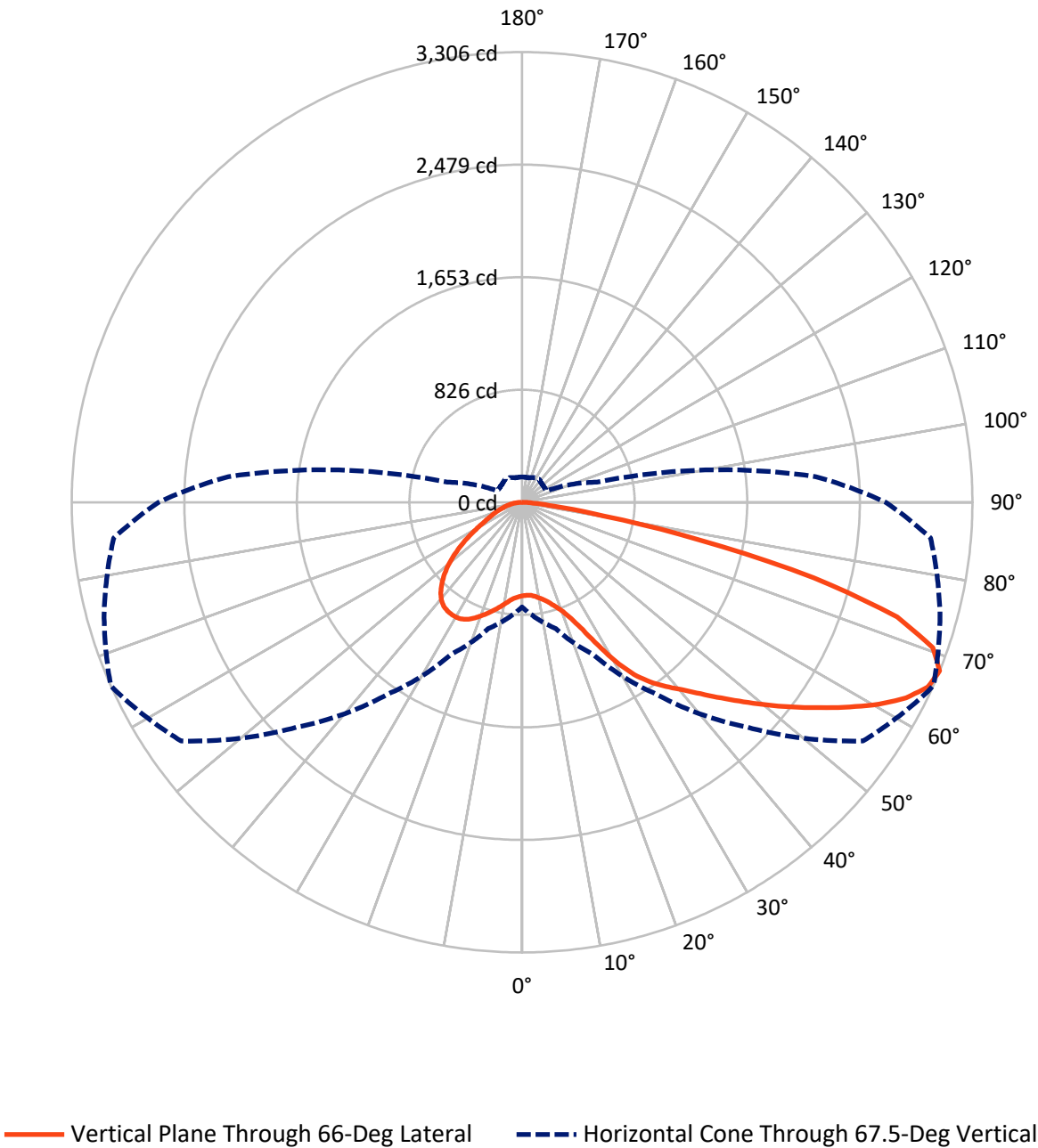
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
Type III - Short - N/A

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Luminous Intensity Polar Plot



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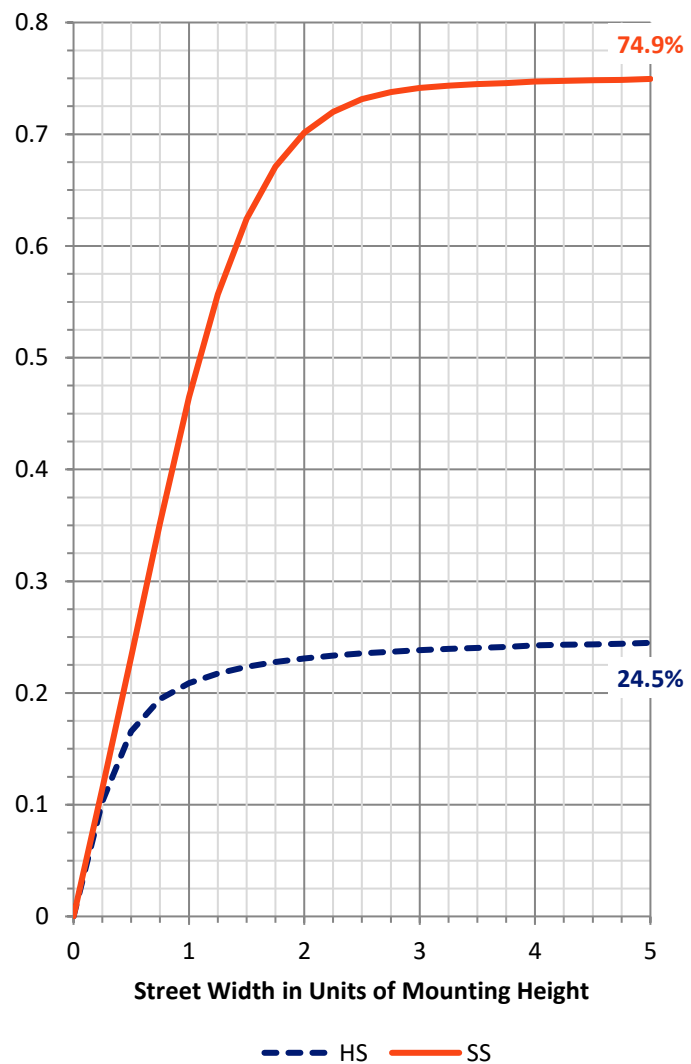
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1539.9   | 0.0    | 1539.9 |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 4653.1   | 0.0    | 4653.1 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 6193.0   | 0.0    | 6193.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.1   | 1.1       |
| 10°-20°   | 225.0  | 3.6       |
| 20°-30°   | 433.7  | 7.0       |
| 30°-40°   | 760.4  | 12.3      |
| 40°-50°   | 1130.4 | 18.3      |
| 50°-60°   | 1433.0 | 23.1      |
| 60°-70°   | 1402.1 | 22.6      |
| 70°-80°   | 668.8  | 10.8      |
| 80°-90°   | 71.5   | 1.2       |
| 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°    | 6193.0 | 100.0     |
| 0°-180°   | 6193.0 | 100.0     |

**Coefficient of Utilization**



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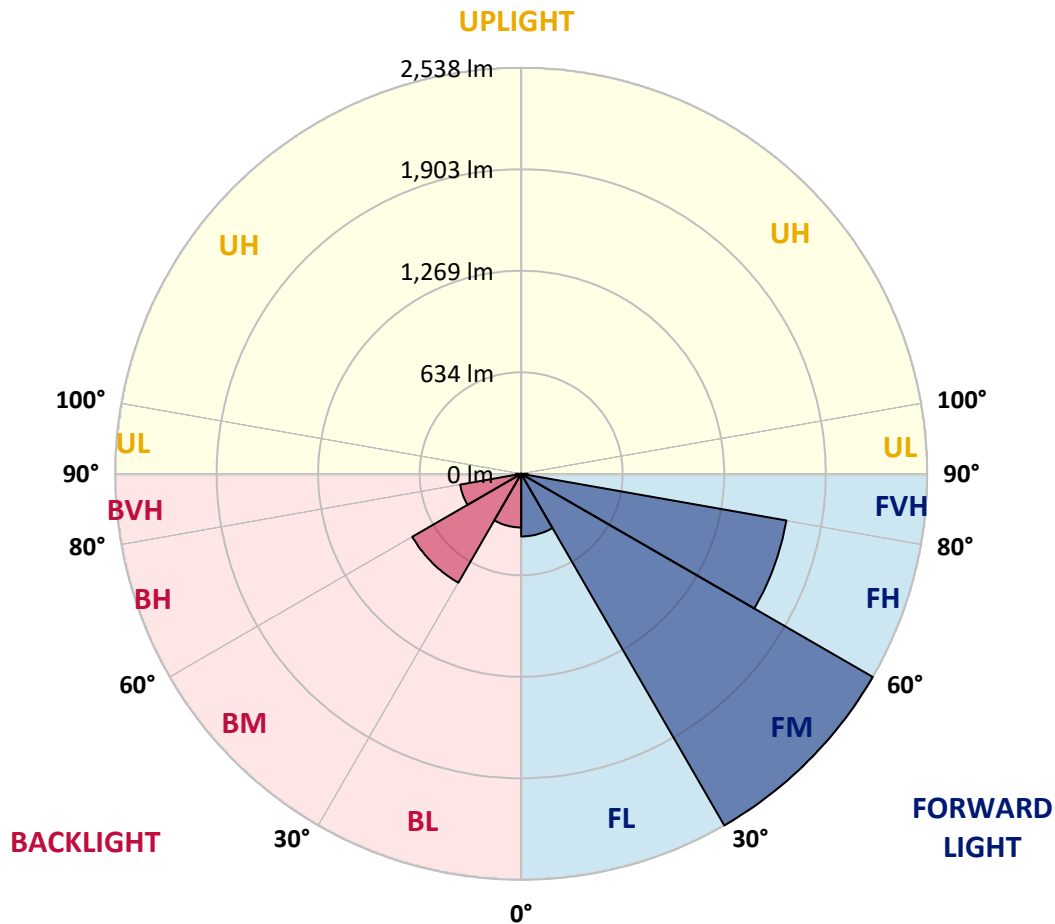
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 391.3  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 2537.8 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1683.4 | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 40.5   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 335.4  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 786.0  | 12.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 387.5  | 6.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 31.0   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  | 686.9  |
| 2.5°  | 679.7  | 683.6  | 682.7  | 681.0  | 680.7  | 681.4  | 682.3  | 683.3  | 683.0  | 684.6  |
| 5°    | 677.8  | 681.7  | 681.4  | 681.4  | 682.7  | 685.3  | 686.9  | 688.5  | 686.9  | 688.8  |
| 7.5°  | 679.1  | 682.0  | 683.3  | 684.6  | 687.9  | 692.7  | 696.6  | 700.2  | 698.3  | 700.6  |
| 10°   | 695.7  | 697.9  | 699.3  | 699.3  | 701.5  | 707.1  | 711.0  | 717.5  | 715.8  | 719.4  |
| 12.5° | 725.9  | 728.2  | 728.2  | 726.9  | 728.5  | 732.1  | 733.4  | 740.6  | 737.6  | 743.5  |
| 15°   | 763.0  | 767.6  | 764.0  | 761.7  | 762.4  | 766.0  | 765.6  | 771.2  | 768.2  | 773.1  |
| 17.5° | 804.0  | 809.9  | 804.0  | 803.7  | 802.4  | 806.3  | 806.6  | 811.5  | 806.3  | 809.9  |
| 20°   | 852.5  | 860.6  | 855.8  | 857.4  | 854.5  | 856.1  | 857.7  | 864.9  | 856.7  | 859.3  |
| 22.5° | 920.8  | 930.6  | 925.4  | 931.6  | 929.6  | 928.3  | 928.0  | 940.7  | 928.0  | 929.0  |
| 25°   | 1020.4 | 1032.1 | 1023.0 | 1031.5 | 1031.5 | 1035.7 | 1040.6 | 1056.8 | 1035.7 | 1029.5 |
| 27.5° | 1167.5 | 1179.2 | 1161.3 | 1166.5 | 1164.9 | 1175.3 | 1170.1 | 1210.4 | 1187.7 | 1177.6 |
| 30°   | 1344.5 | 1365.3 | 1331.5 | 1330.2 | 1328.5 | 1345.1 | 1352.6 | 1379.3 | 1356.2 | 1346.1 |
| 32.5° | 1535.8 | 1557.6 | 1517.3 | 1505.6 | 1499.4 | 1509.5 | 1503.3 | 1524.7 | 1508.8 | 1493.2 |
| 35°   | 1738.2 | 1759.7 | 1721.3 | 1698.5 | 1673.8 | 1652.6 | 1630.5 | 1636.0 | 1621.1 | 1597.3 |
| 37.5° | 1929.5 | 1968.9 | 1928.2 | 1903.8 | 1858.3 | 1816.9 | 1755.1 | 1729.4 | 1715.4 | 1693.6 |
| 40°   | 2124.4 | 2146.9 | 2116.0 | 2095.1 | 2045.7 | 1980.9 | 1882.0 | 1827.7 | 1808.8 | 1787.7 |
| 42.5° | 2267.9 | 2289.4 | 2272.8 | 2258.5 | 2219.8 | 2144.6 | 2016.7 | 1948.7 | 1921.4 | 1897.6 |
| 45°   | 2381.8 | 2397.8 | 2387.3 | 2392.5 | 2376.0 | 2303.1 | 2156.3 | 2078.6 | 2050.2 | 2021.3 |
| 47.5° | 2427.7 | 2444.6 | 2461.2 | 2492.1 | 2520.4 | 2466.7 | 2306.3 | 2219.1 | 2189.2 | 2159.6 |
| 50°   | 2422.5 | 2439.7 | 2487.9 | 2553.6 | 2641.5 | 2623.6 | 2464.5 | 2368.8 | 2341.1 | 2307.3 |
| 52.5° | 2380.8 | 2400.4 | 2462.2 | 2571.5 | 2711.4 | 2741.0 | 2625.5 | 2523.4 | 2497.3 | 2457.0 |
| 55°   | 2271.5 | 2283.2 | 2376.0 | 2530.8 | 2728.0 | 2823.0 | 2783.3 | 2688.0 | 2662.0 | 2605.7 |
| 57.5° | 2068.8 | 2085.7 | 2220.7 | 2421.2 | 2686.4 | 2878.7 | 2921.9 | 2861.1 | 2836.0 | 2755.0 |
| 60°   | 1804.3 | 1831.3 | 1985.8 | 2237.0 | 2580.3 | 2878.3 | 3047.9 | 3031.3 | 3010.5 | 2902.1 |
| 62.5° | 1504.9 | 1536.1 | 1684.8 | 1976.7 | 2394.8 | 2796.7 | 3126.6 | 3173.8 | 3163.1 | 3037.8 |
| 65°   | 1155.8 | 1177.2 | 1325.3 | 1639.9 | 2106.2 | 2621.3 | 3135.7 | 3271.1 | 3273.0 | 3140.9 |
| 67.5° | 769.5  | 831.4  | 959.9  | 1230.6 | 1719.7 | 2334.6 | 3055.7 | 3287.0 | 3305.9 | 3176.4 |
| 70°   | 375.5  | 456.8  | 582.8  | 799.8  | 1230.6 | 1895.0 | 2846.5 | 3156.2 | 3198.2 | 3072.9 |
| 72.5° | 155.9  | 182.2  | 250.9  | 394.7  | 706.4  | 1278.8 | 2426.1 | 2801.6 | 2879.3 | 2722.8 |
| 75°   | 105.1  | 113.9  | 143.5  | 202.4  | 321.8  | 630.6  | 1749.6 | 2089.0 | 2214.2 | 2056.4 |
| 77.5° | 81.0   | 86.6   | 104.4  | 141.5  | 191.3  | 238.5  | 936.5  | 1258.9 | 1323.7 | 1225.4 |
| 80°   | 63.8   | 68.0   | 78.1   | 103.1  | 135.7  | 127.6  | 319.2  | 570.4  | 607.8  | 509.9  |
| 82.5° | 55.3   | 56.9   | 56.0   | 70.0   | 90.1   | 74.5   | 104.8  | 210.5  | 232.3  | 168.5  |
| 85°   | 40.0   | 44.6   | 46.5   | 43.3   | 47.8   | 37.7   | 43.0   | 74.5   | 82.0   | 73.2   |
| 87.5° | 16.3   | 24.1   | 29.6   | 28.0   | 17.6   | 10.7   | 13.3   | 21.8   | 25.1   | 27.3   |
| 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°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 686.9  | 0°    | 686.9  | 686.9  | 686.9  | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 687.2  | 2.5°  | 687.5  | 689.8  | 691.4  | 693.4 | 694.7 | 696.6 | 700.6 | 702.8 | 703.2 | 704.8 |
| 692.4  | 5°    | 693.7  | 697.0  | 700.6  | 705.8 | 711.6 | 716.5 | 724.0 | 729.2 | 731.1 | 732.8 |
| 705.1  | 7.5°  | 707.1  | 711.6  | 718.1  | 727.2 | 735.7 | 742.2 | 751.3 | 757.5 | 763.7 | 766.0 |
| 725.3  | 10°   | 726.9  | 733.4  | 742.9  | 755.2 | 764.3 | 772.8 | 782.2 | 787.4 | 793.6 | 796.2 |
| 749.4  | 12.5° | 751.6  | 758.5  | 770.8  | 788.1 | 796.5 | 802.4 | 805.7 | 804.3 | 805.7 | 807.9 |
| 778.3  | 15°   | 779.9  | 787.4  | 801.4  | 820.0 | 825.8 | 820.6 | 813.5 | 807.0 | 806.0 | 806.6 |
| 813.5  | 17.5° | 813.5  | 819.0  | 835.3  | 850.9 | 846.6 | 825.2 | 809.6 | 799.1 | 793.9 | 792.3 |
| 858.4  | 20°   | 860.3  | 860.3  | 873.7  | 883.4 | 855.1 | 818.7 | 794.3 | 777.3 | 766.6 | 762.0 |
| 919.5  | 22.5° | 917.3  | 912.1  | 920.5  | 913.7 | 853.5 | 800.4 | 766.6 | 737.3 | 721.1 | 714.5 |
| 1005.1 | 25°   | 989.5  | 983.3  | 981.0  | 938.7 | 841.8 | 771.5 | 716.5 | 681.0 | 666.7 | 663.1 |
| 1128.4 | 27.5° | 1098.5 | 1082.9 | 1053.3 | 952.4 | 820.3 | 725.9 | 657.9 | 625.1 | 616.9 | 617.3 |
| 1286.9 | 30°   | 1243.6 | 1212.4 | 1139.8 | 954.7 | 785.2 | 661.5 | 598.1 | 574.6 | 570.7 | 572.4 |
| 1420.0 | 32.5° | 1378.0 | 1348.4 | 1228.3 | 944.3 | 731.1 | 598.4 | 544.4 | 528.7 | 522.9 | 524.8 |
| 1521.5 | 35°   | 1483.4 | 1475.3 | 1310.3 | 929.6 | 664.8 | 539.2 | 496.2 | 482.9 | 471.5 | 468.9 |
| 1617.2 | 37.5° | 1583.0 | 1579.7 | 1371.8 | 909.1 | 599.0 | 497.2 | 457.5 | 439.9 | 423.3 | 414.2 |
| 1722.9 | 40°   | 1692.3 | 1689.1 | 1412.2 | 877.6 | 540.8 | 460.7 | 422.7 | 399.6 | 379.1 | 362.5 |
| 1842.6 | 42.5° | 1815.3 | 1796.1 | 1431.4 | 832.3 | 491.3 | 429.8 | 394.4 | 363.1 | 336.1 | 320.8 |
| 1978.0 | 45°   | 1949.7 | 1906.4 | 1431.0 | 774.7 | 449.7 | 401.5 | 364.1 | 319.9 | 294.8 | 280.5 |
| 2116.9 | 47.5° | 2092.2 | 2011.8 | 1413.5 | 711.0 | 409.3 | 370.3 | 317.2 | 283.4 | 266.8 | 258.0 |
| 2267.9 | 50°   | 2239.3 | 2110.4 | 1383.5 | 637.8 | 368.0 | 334.8 | 288.0 | 264.9 | 252.2 | 244.0 |
| 2417.6 | 52.5° | 2377.6 | 2199.9 | 1347.4 | 554.8 | 326.0 | 300.3 | 274.9 | 257.1 | 243.7 | 234.6 |
| 2562.7 | 55°   | 2506.1 | 2277.0 | 1296.3 | 469.9 | 291.9 | 277.2 | 268.8 | 253.8 | 238.5 | 227.8 |
| 2710.1 | 57.5° | 2620.3 | 2327.1 | 1208.2 | 390.1 | 267.5 | 261.3 | 262.3 | 248.3 | 230.7 | 221.6 |
| 2855.2 | 60°   | 2715.3 | 2363.9 | 1077.7 | 316.3 | 247.6 | 245.7 | 252.2 | 237.9 | 217.4 | 206.9 |
| 2977.9 | 62.5° | 2772.3 | 2363.3 | 917.6  | 259.0 | 230.7 | 231.3 | 238.8 | 224.8 | 204.0 | 194.3 |
| 3042.0 | 65°   | 2767.4 | 2305.3 | 741.9  | 221.6 | 214.4 | 215.1 | 224.8 | 210.5 | 193.0 | 187.1 |
| 3009.8 | 67.5° | 2669.5 | 2164.1 | 569.1  | 197.2 | 196.5 | 199.5 | 210.8 | 200.8 | 186.1 | 185.5 |
| 2817.8 | 70°   | 2404.3 | 1871.0 | 410.0  | 177.7 | 178.0 | 182.2 | 197.2 | 194.6 | 182.5 | 183.8 |
| 2369.1 | 72.5° | 1927.9 | 1426.5 | 275.3  | 157.2 | 157.5 | 164.3 | 184.2 | 189.7 | 179.0 | 196.2 |
| 1680.9 | 75°   | 1284.0 | 889.6  | 177.0  | 135.4 | 135.7 | 144.5 | 172.8 | 180.3 | 169.2 | 195.6 |
| 874.6  | 77.5° | 616.9  | 399.9  | 128.2  | 113.9 | 113.9 | 122.0 | 149.4 | 161.4 | 144.1 | 152.0 |
| 281.1  | 80°   | 213.1  | 150.3  | 100.9  | 91.8  | 89.8  | 95.3  | 125.9 | 139.9 | 124.3 | 114.5 |
| 91.8   | 82.5° | 83.9   | 78.1   | 81.0   | 71.3  | 64.8  | 68.3  | 97.9  | 115.5 | 91.4  | 82.6  |
| 51.7   | 85°   | 48.2   | 50.8   | 57.3   | 47.2  | 37.4  | 42.0  | 71.9  | 83.0  | 69.0  | 60.8  |
| 16.9   | 87.5° | 13.0   | 17.9   | 26.4   | 24.4  | 16.9  | 17.9  | 34.2  | 45.9  | 39.7  | 30.6  |
| 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°  |
|-------|
| 686.9 |
| 704.5 |
| 732.4 |
| 766.3 |
| 797.5 |
| 808.6 |
| 808.9 |
| 794.6 |
| 761.1 |
| 713.6 |
| 663.8 |
| 618.2 |
| 577.9 |
| 527.4 |
| 470.8 |
| 414.5 |
| 364.1 |
| 321.8 |
| 279.8 |
| 256.1 |
| 241.1 |
| 230.7 |
| 223.5 |
| 215.7 |
| 202.4 |
| 191.3 |
| 186.8 |
| 186.4 |
| 183.5 |
| 198.8 |
| 197.2 |
| 139.3 |
| 107.4 |
| 82.3  |
| 62.1  |
| 31.6  |
| 0.0   |

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