

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: P949017

Luminaire Tested: **GLAN-SB3D-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949017  
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-SB3D-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18163 lumens  
Efficiency: N/A  
Efficacy: 83.3 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): 218.1  
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



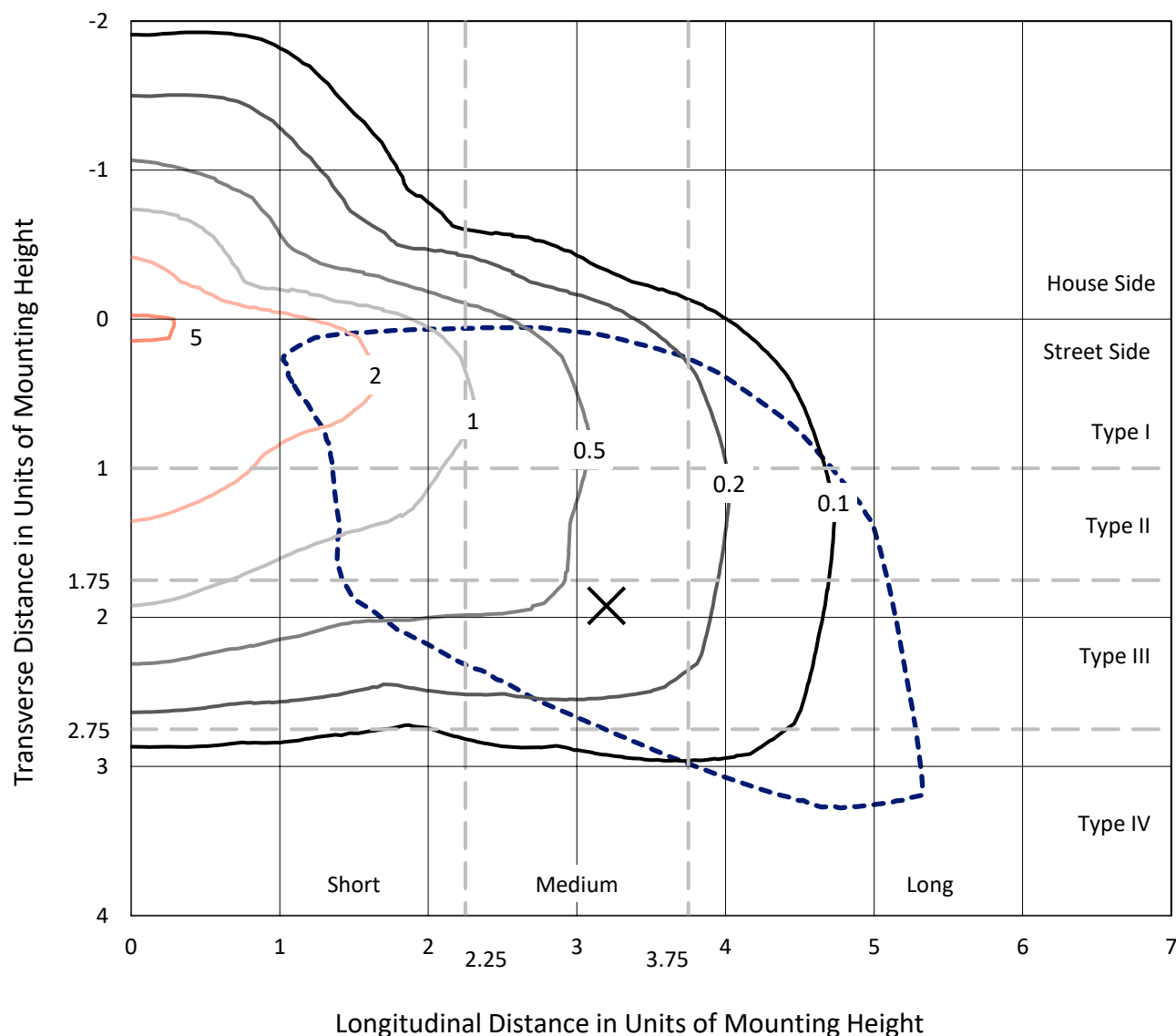
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

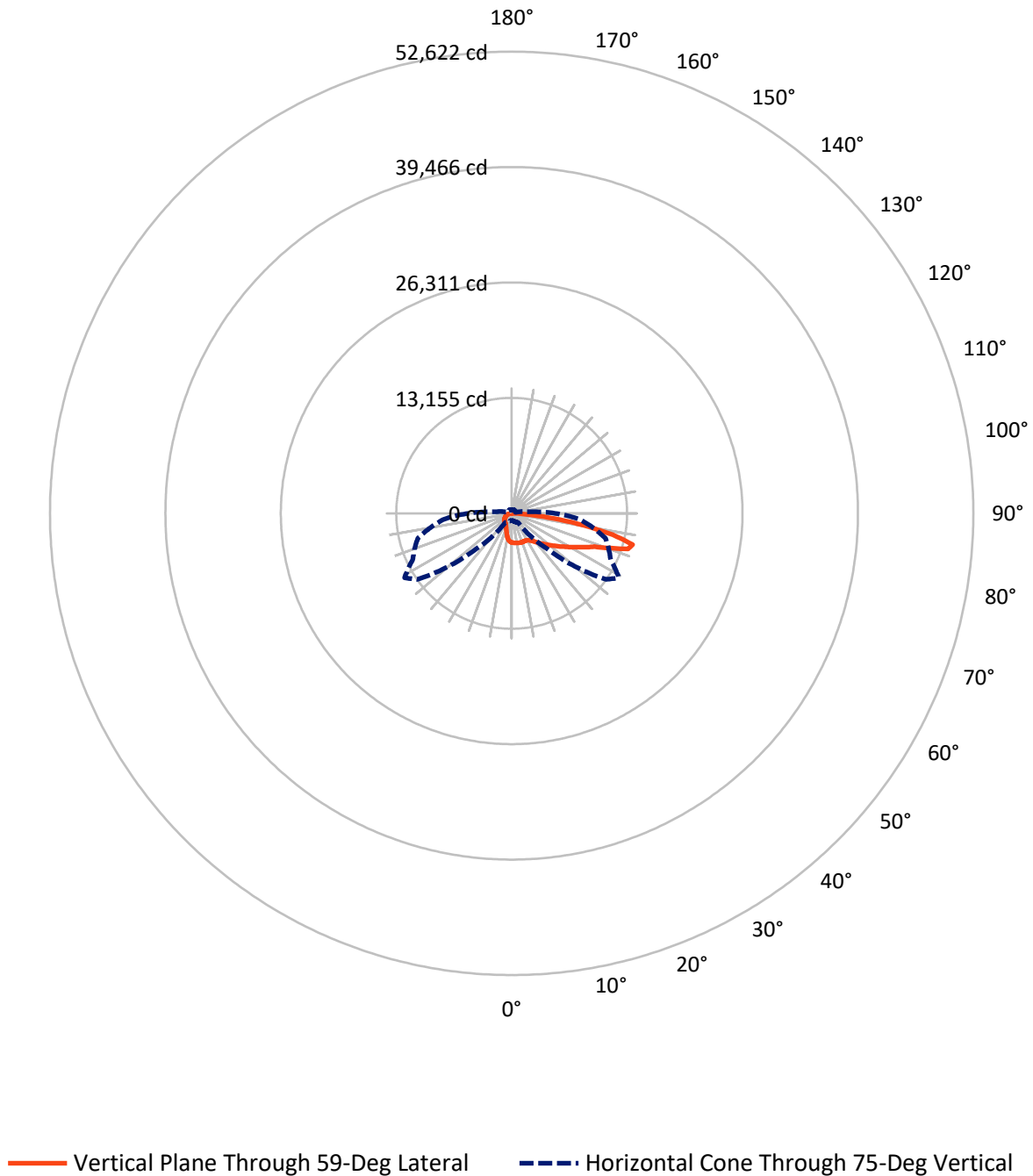
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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    | 3406.6   | 0.0    | 3406.6  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 14756.4  | 0.0    | 14756.4 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 18163.0  | 0.0    | 18163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 298.9   | 1.6       |
| 10°-20°   | 764.1   | 4.2       |
| 20°-30°   | 1160.6  | 6.4       |
| 30°-40°   | 1725.2  | 9.5       |
| 40°-50°   | 2565.6  | 14.1      |
| 50°-60°   | 3482.5  | 19.2      |
| 60°-70°   | 4251.6  | 23.4      |
| 70°-80°   | 3336.6  | 18.4      |
| 80°-90°   | 578.0   | 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°    | 18163.0 | 100.0     |
| 0°-180°   | 18163.0 | 100.0     |

**Coefficient of Utilization**



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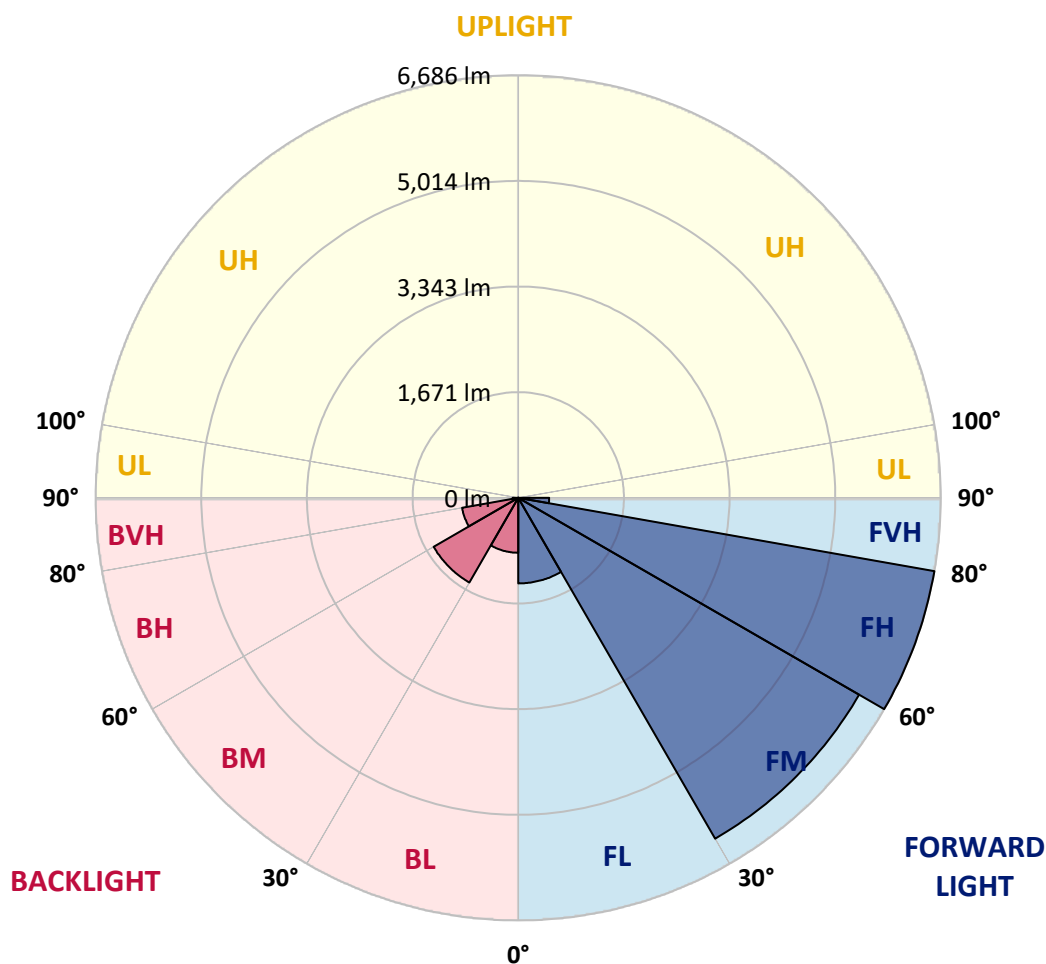
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1354.2 | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 6227.0 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 6685.6 | 36.8      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 489.5  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 869.3  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1546.3 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 902.5  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 88.5   | 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°    | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8  | 3333.8  | 3333.8  | 3333.8  |
| 2.5°  | 3362.1 | 3350.4 | 3362.1 | 3357.2 | 3355.3 | 3351.4 | 3352.3  | 3359.2  | 3355.3  | 3360.2  |
| 5°    | 3339.6 | 3332.8 | 3344.5 | 3341.6 | 3354.3 | 3356.3 | 3369.0  | 3376.8  | 3381.7  | 3382.6  |
| 7.5°  | 3302.5 | 3295.7 | 3312.3 | 3326.0 | 3353.3 | 3361.1 | 3387.5  | 3400.2  | 3407.1  | 3418.8  |
| 10°   | 3166.7 | 3163.8 | 3204.8 | 3256.6 | 3321.1 | 3361.1 | 3401.2  | 3422.7  | 3433.4  | 3464.7  |
| 12.5° | 2926.3 | 2930.2 | 2984.0 | 3083.6 | 3212.6 | 3341.6 | 3416.8  | 3448.1  | 3464.7  | 3503.8  |
| 15°   | 2696.7 | 2695.7 | 2754.4 | 2860.9 | 3041.6 | 3255.6 | 3424.6  | 3478.4  | 3506.7  | 3564.4  |
| 17.5° | 2563.8 | 2559.9 | 2601.0 | 2682.1 | 2850.1 | 3123.7 | 3405.1  | 3495.0  | 3555.6  | 3627.9  |
| 20°   | 2539.4 | 2531.6 | 2553.1 | 2593.2 | 2712.4 | 2979.1 | 3354.3  | 3495.0  | 3594.7  | 3688.5  |
| 22.5° | 2628.3 | 2615.6 | 2606.8 | 2601.9 | 2654.7 | 2859.9 | 3296.6  | 3483.3  | 3652.3  | 3775.4  |
| 25°   | 2807.1 | 2787.6 | 2742.6 | 2698.7 | 2683.0 | 2806.2 | 3245.8  | 3480.3  | 3738.3  | 3892.7  |
| 27.5° | 3096.3 | 3071.9 | 2981.1 | 2875.5 | 2780.8 | 2833.5 | 3223.4  | 3497.9  | 3833.1  | 4016.8  |
| 30°   | 3454.9 | 3428.6 | 3314.2 | 3152.0 | 2982.0 | 2935.1 | 3251.7  | 3549.7  | 3954.2  | 4181.9  |
| 32.5° | 3776.4 | 3747.1 | 3649.4 | 3484.2 | 3254.6 | 3111.0 | 3341.6  | 3648.4  | 4144.8  | 4411.5  |
| 35°   | 4061.7 | 4027.5 | 3939.6 | 3787.1 | 3588.8 | 3358.2 | 3503.8  | 3823.3  | 4415.4  | 4784.7  |
| 37.5° | 4341.1 | 4301.1 | 4205.3 | 4044.1 | 3905.4 | 3687.5 | 3727.5  | 4048.0  | 4775.0  | 5238.1  |
| 40°   | 4653.8 | 4596.2 | 4479.9 | 4320.6 | 4185.8 | 4073.4 | 4021.6  | 4323.6  | 5140.4  | 5744.2  |
| 42.5° | 4956.7 | 4902.0 | 4763.2 | 4627.4 | 4458.4 | 4426.1 | 4362.6  | 4646.0  | 5540.0  | 6300.2  |
| 45°   | 5283.0 | 5217.6 | 5049.5 | 4877.6 | 4771.1 | 4660.6 | 4692.9  | 4968.4  | 5931.8  | 6866.9  |
| 47.5° | 5588.9 | 5515.6 | 5317.2 | 5125.7 | 5067.1 | 4858.0 | 4995.8  | 5323.1  | 6339.3  | 7441.4  |
| 50°   | 5754.0 | 5681.7 | 5516.6 | 5343.6 | 5297.7 | 5101.3 | 5324.1  | 5713.0  | 6766.2  | 8014.0  |
| 52.5° | 5891.8 | 5813.6 | 5597.7 | 5501.9 | 5488.2 | 5366.1 | 5728.6  | 6158.5  | 7193.2  | 8520.1  |
| 55°   | 6038.3 | 5951.4 | 5675.8 | 5589.8 | 5652.4 | 5663.1 | 6208.3  | 6663.6  | 7644.6  | 9013.5  |
| 57.5° | 6207.4 | 6096.9 | 5751.1 | 5664.1 | 5812.6 | 6011.0 | 6759.4  | 7187.4  | 8088.2  | 9470.8  |
| 60°   | 6366.6 | 6255.2 | 5895.7 | 5782.3 | 5985.6 | 6414.5 | 7391.6  | 7821.5  | 8590.4  | 9878.2  |
| 62.5° | 6397.9 | 6306.0 | 6011.0 | 6010.0 | 6220.1 | 6885.4 | 8140.0  | 8461.5  | 9029.1  | 10280.8 |
| 65°   | 5856.6 | 5798.9 | 5624.0 | 6001.2 | 6556.2 | 7563.5 | 8973.5  | 9280.3  | 9587.1  | 10632.5 |
| 67.5° | 4457.4 | 4465.2 | 4452.5 | 5180.4 | 6284.5 | 8537.7 | 10180.1 | 10156.7 | 10275.9 | 11027.3 |
| 70°   | 2038.2 | 2084.1 | 2383.1 | 3576.1 | 5034.9 | 8650.0 | 12175.3 | 11871.5 | 11140.6 | 11538.3 |
| 72.5° | 1101.2 | 1136.3 | 1258.5 | 1732.4 | 3027.0 | 7690.6 | 13666.3 | 13882.3 | 12290.6 | 11882.2 |
| 75°   | 808.0  | 827.6  | 912.6  | 1101.2 | 1271.2 | 5715.9 | 13131.9 | 14239.9 | 12434.3 | 11080.0 |
| 77.5° | 604.8  | 613.6  | 683.0  | 872.5  | 650.7  | 3013.3 | 10492.8 | 11793.3 | 10644.2 | 9103.4  |
| 80°   | 438.7  | 448.5  | 500.3  | 654.6  | 456.3  | 1102.1 | 7204.9  | 8277.8  | 7290.0  | 5802.8  |
| 82.5° | 302.9  | 306.8  | 329.3  | 445.5  | 318.5  | 428.0  | 4088.1  | 4854.1  | 4069.5  | 2036.2  |
| 85°   | 182.7  | 187.6  | 197.4  | 259.9  | 180.8  | 203.2  | 1764.6  | 1825.2  | 1216.5  | 486.6   |
| 87.5° | 75.2   | 80.1   | 87.9   | 109.4  | 71.3   | 56.7   | 291.2   | 365.4   | 227.7   | 142.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3333.8 | 0°    | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 | 3333.8 |
| 3343.5 | 2.5°  | 3338.7 | 3331.8 | 3313.3 | 3287.9 | 3264.4 | 3235.1 | 3222.4 | 3211.6 | 3201.9 | 3183.3 |
| 3369.9 | 5°    | 3359.2 | 3340.6 | 3290.8 | 3226.3 | 3153.0 | 3072.9 | 2994.7 | 2941.0 | 2895.1 | 2860.9 |
| 3400.2 | 7.5°  | 3390.4 | 3355.3 | 3264.4 | 3132.5 | 2964.4 | 2792.5 | 2637.1 | 2526.7 | 2443.7 | 2413.4 |
| 3443.2 | 10°   | 3422.7 | 3380.7 | 3222.4 | 2989.8 | 2699.7 | 2434.9 | 2228.7 | 2115.4 | 2048.9 | 2027.4 |
| 3494.0 | 12.5° | 3460.8 | 3399.2 | 3156.9 | 2791.5 | 2403.6 | 2113.4 | 1933.6 | 1867.2 | 1833.0 | 1821.3 |
| 3556.6 | 15°   | 3516.5 | 3414.9 | 3058.2 | 2543.3 | 2121.2 | 1878.9 | 1762.6 | 1716.7 | 1699.1 | 1698.2 |
| 3621.0 | 17.5° | 3558.5 | 3417.8 | 2904.8 | 2277.6 | 1904.3 | 1737.2 | 1641.5 | 1623.9 | 1635.6 | 1653.2 |
| 3684.5 | 20°   | 3605.4 | 3391.4 | 2703.6 | 2035.2 | 1751.9 | 1613.1 | 1573.1 | 1584.8 | 1613.1 | 1638.6 |
| 3768.6 | 22.5° | 3638.6 | 3343.5 | 2460.3 | 1846.7 | 1620.0 | 1541.8 | 1539.9 | 1564.3 | 1579.9 | 1592.6 |
| 3867.3 | 25°   | 3667.9 | 3262.5 | 2202.3 | 1688.4 | 1511.5 | 1498.8 | 1520.3 | 1512.5 | 1501.8 | 1512.5 |
| 3965.9 | 27.5° | 3689.4 | 3134.5 | 1971.7 | 1549.6 | 1435.3 | 1469.5 | 1456.8 | 1439.2 | 1438.3 | 1444.1 |
| 4082.2 | 30°   | 3682.6 | 2963.5 | 1782.2 | 1417.7 | 1381.6 | 1414.8 | 1384.5 | 1381.6 | 1378.7 | 1381.6 |
| 4257.1 | 32.5° | 3682.6 | 2769.0 | 1636.6 | 1326.9 | 1347.4 | 1334.7 | 1331.8 | 1324.9 | 1313.2 | 1312.2 |
| 4494.5 | 35°   | 3703.1 | 2574.6 | 1511.5 | 1278.0 | 1319.1 | 1288.8 | 1290.7 | 1274.1 | 1249.7 | 1238.0 |
| 4809.2 | 37.5° | 3745.1 | 2418.3 | 1387.4 | 1254.6 | 1269.2 | 1268.2 | 1260.4 | 1232.1 | 1189.1 | 1152.0 |
| 5201.9 | 40°   | 3846.7 | 2372.3 | 1302.4 | 1243.8 | 1245.8 | 1257.5 | 1237.0 | 1182.3 | 1084.6 | 1024.0 |
| 5600.6 | 42.5° | 4006.0 | 2449.5 | 1283.9 | 1217.4 | 1230.1 | 1241.9 | 1201.8 | 1074.8 | 1005.4 | 969.3  |
| 6018.8 | 45°   | 4208.3 | 2584.4 | 1323.9 | 1179.3 | 1193.0 | 1213.5 | 1094.3 | 1033.7 | 1002.5 | 1003.5 |
| 6433.1 | 47.5° | 4464.3 | 2726.0 | 1398.2 | 1146.1 | 1139.3 | 1151.0 | 1023.0 | 985.9  | 942.9  | 953.6  |
| 6830.7 | 50°   | 4760.3 | 2869.7 | 1468.5 | 1101.2 | 1079.7 | 1041.6 | 977.1  | 941.9  | 887.2  | 861.8  |
| 7214.7 | 52.5° | 5080.8 | 3008.4 | 1496.9 | 1046.4 | 1015.2 | 971.2  | 945.8  | 902.8  | 836.4  | 794.4  |
| 7577.2 | 55°   | 5384.7 | 3134.5 | 1465.6 | 981.0  | 950.7  | 916.5  | 912.6  | 886.2  | 814.9  | 756.3  |
| 7899.6 | 57.5° | 5671.9 | 3240.0 | 1387.4 | 914.5  | 885.2  | 864.7  | 891.1  | 878.4  | 788.5  | 713.3  |
| 8204.5 | 60°   | 5915.2 | 3312.3 | 1274.1 | 847.1  | 826.6  | 815.9  | 855.9  | 852.0  | 751.4  | 667.3  |
| 8478.1 | 62.5° | 6108.7 | 3340.6 | 1149.0 | 782.6  | 777.8  | 758.2  | 807.1  | 807.1  | 704.5  | 622.4  |
| 8718.4 | 65°   | 6260.1 | 3313.3 | 1022.0 | 719.1  | 728.9  | 699.6  | 747.5  | 741.6  | 654.6  | 582.3  |
| 8994.9 | 67.5° | 6394.0 | 3223.4 | 881.3  | 656.6  | 679.1  | 641.9  | 684.9  | 671.3  | 599.9  | 542.3  |
| 9234.3 | 70°   | 6453.6 | 3014.3 | 721.1  | 594.1  | 621.4  | 585.3  | 622.4  | 597.0  | 538.4  | 499.3  |
| 8971.5 | 72.5° | 5974.8 | 2505.2 | 567.7  | 528.6  | 552.0  | 522.7  | 555.0  | 525.7  | 471.9  | 454.3  |
| 7747.2 | 75°   | 4943.0 | 1879.9 | 436.8  | 457.3  | 474.9  | 452.4  | 473.9  | 452.4  | 403.5  | 416.2  |
| 5722.7 | 77.5° | 3589.8 | 1269.2 | 334.2  | 382.0  | 389.9  | 378.1  | 396.7  | 372.3  | 328.3  | 325.4  |
| 2852.1 | 80°   | 1785.1 | 743.6  | 261.9  | 301.9  | 299.0  | 291.2  | 312.7  | 300.9  | 263.8  | 279.4  |
| 769.9  | 82.5° | 516.9  | 318.5  | 190.5  | 212.0  | 206.2  | 208.1  | 223.8  | 229.6  | 343.9  | 341.0  |
| 239.4  | 85°   | 162.2  | 125.1  | 114.3  | 118.2  | 112.4  | 115.3  | 131.9  | 261.9  | 242.3  | 141.7  |
| 74.3   | 87.5° | 42.0   | 43.0   | 28.3   | 30.3   | 31.3   | 37.1   | 42.0   | 159.3  | 76.2   | 49.8   |
| 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°   |
|--------|
| 3333.8 |
| 3174.5 |
| 2832.5 |
| 2360.6 |
| 1994.2 |
| 1824.2 |
| 1702.1 |
| 1660.0 |
| 1647.3 |
| 1599.5 |
| 1519.4 |
| 1453.9 |
| 1392.3 |
| 1324.9 |
| 1249.7 |
| 1164.7 |
| 1031.8 |
| 969.3  |
| 1008.3 |
| 981.0  |
| 868.6  |
| 793.4  |
| 756.3  |
| 709.4  |
| 664.4  |
| 619.5  |
| 578.4  |
| 538.4  |
| 491.5  |
| 439.7  |
| 380.1  |
| 310.7  |
| 276.5  |
| 348.8  |
| 153.4  |
| 52.8   |
| 0.0    |