

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: McGRAW-EDISON

Report Number: P952314

Luminaire Tested: **GALN-SB6A-950-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952314  
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: McGRAW-EDISON  
Catalog Number: GALN-SB6A-950-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

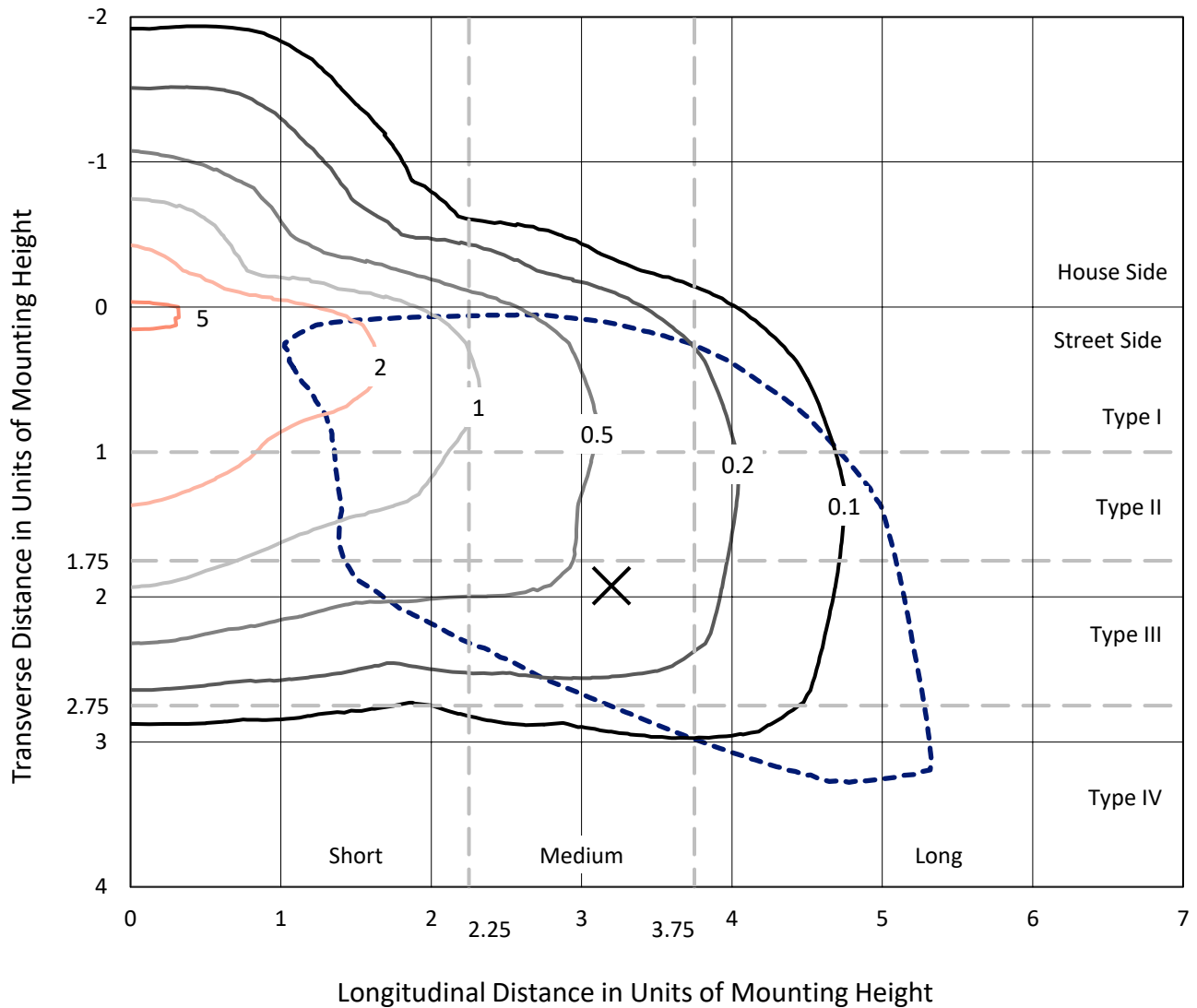
Lumens per Lamp: N/A  
Luminaire Lumens: 18494 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

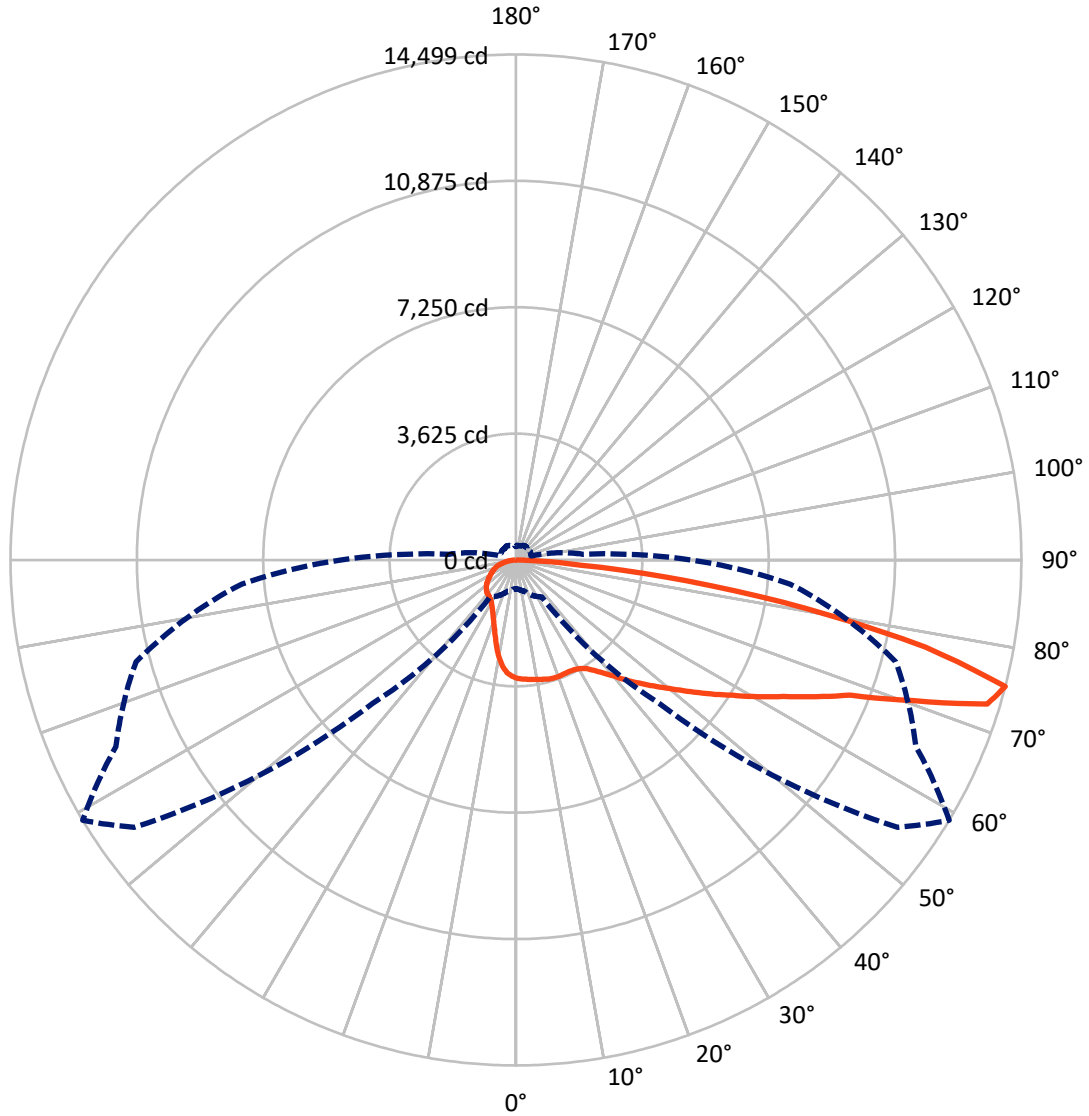
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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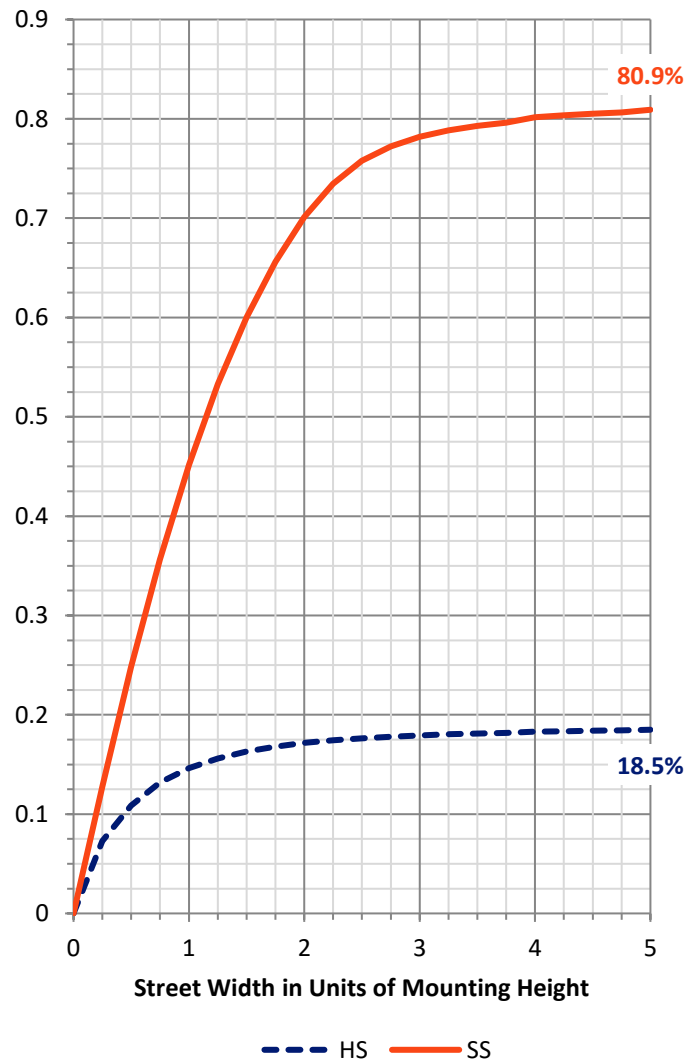
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3468.7   | 0.0    | 3468.7  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 15025.3  | 0.0    | 15025.3 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 18494.0  | 0.0    | 18494.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 304.4   | 1.6       |
| 10°-20°   | 778.0   | 4.2       |
| 20°-30°   | 1181.7  | 6.4       |
| 30°-40°   | 1756.6  | 9.5       |
| 40°-50°   | 2612.4  | 14.1      |
| 50°-60°   | 3546.0  | 19.2      |
| 60°-70°   | 4329.1  | 23.4      |
| 70°-80°   | 3397.4  | 18.4      |
| 80°-90°   | 588.5   | 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°    | 18494.0 | 100.0     |
| 0°-180°   | 18494.0 | 100.0     |

**Coefficient of Utilization**



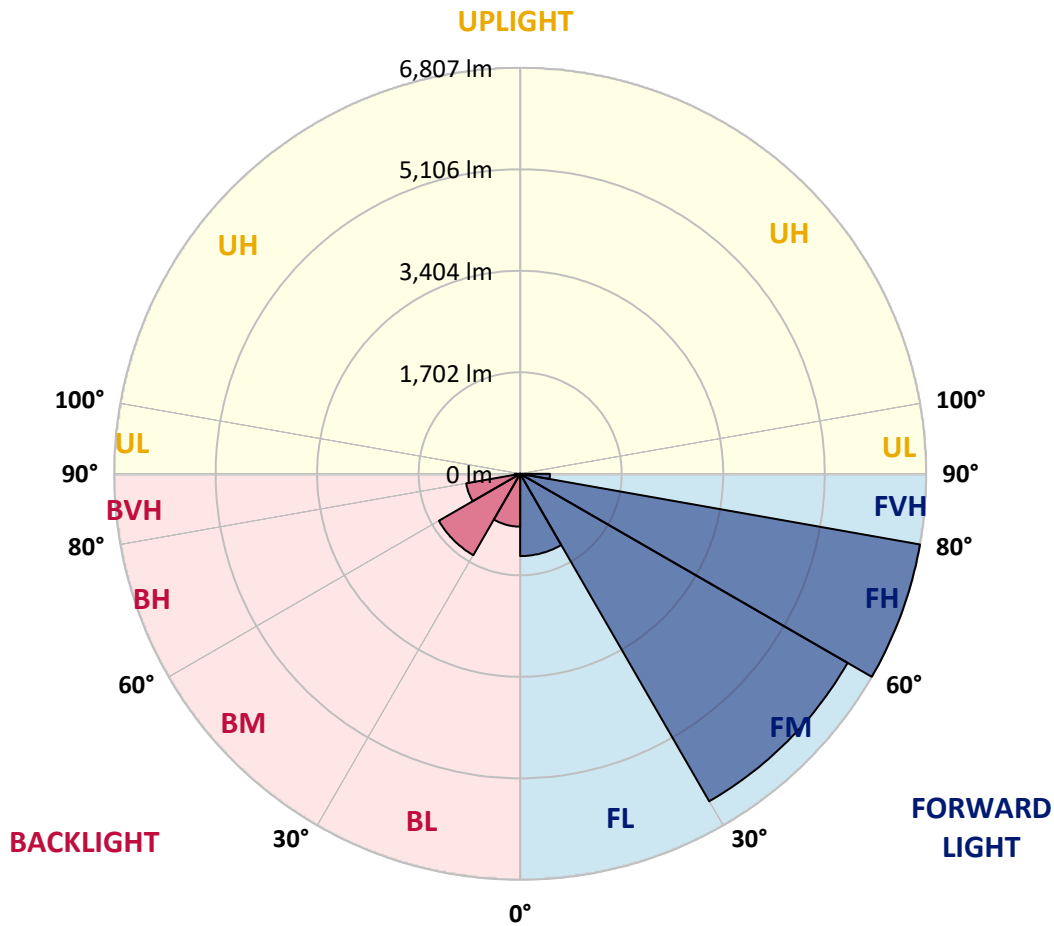
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1378.9 | 7.5       |                         |      |         |
| FM (30°-60°)   | 6340.5 | 34.3      |                         |      |         |
| FH (60°-80°)   | 6807.5 | 36.8      |                         |      | G3/7500 |
| FVH (80°-90°)  | 498.4  | 2.7       |                         |      | G3/500  |
| BL (0°-30°)    | 885.2  | 4.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 1574.4 | 8.5       | B2/2500                 |      |         |
| BH (60°-80°)   | 919.0  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 90.1   | 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°    | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5  | 3394.5  | 3394.5  | 3394.5  |
| 2.5°  | 3423.4 | 3411.4 | 3423.4 | 3418.4 | 3416.4 | 3412.4 | 3413.4  | 3420.4  | 3416.4  | 3421.4  |
| 5°    | 3400.5 | 3393.5 | 3405.5 | 3402.5 | 3415.4 | 3417.4 | 3430.3  | 3438.3  | 3443.3  | 3444.3  |
| 7.5°  | 3362.7 | 3355.7 | 3372.6 | 3386.6 | 3414.4 | 3422.4 | 3449.3  | 3462.2  | 3469.1  | 3481.1  |
| 10°   | 3224.4 | 3221.4 | 3263.2 | 3315.9 | 3381.6 | 3422.4 | 3463.2  | 3485.1  | 3496.0  | 3527.8  |
| 12.5° | 2979.7 | 2983.6 | 3038.4 | 3139.8 | 3271.2 | 3402.5 | 3479.1  | 3510.9  | 3527.8  | 3567.6  |
| 15°   | 2745.9 | 2744.9 | 2804.6 | 2913.0 | 3097.1 | 3314.9 | 3487.1  | 3541.8  | 3570.6  | 3629.3  |
| 17.5° | 2610.6 | 2606.6 | 2648.4 | 2730.9 | 2902.1 | 3180.6 | 3467.2  | 3558.7  | 3620.4  | 3694.0  |
| 20°   | 2585.7 | 2577.7 | 2599.6 | 2640.4 | 2761.8 | 3033.4 | 3415.4  | 3558.7  | 3660.2  | 3755.7  |
| 22.5° | 2676.2 | 2663.3 | 2654.3 | 2649.4 | 2703.1 | 2912.0 | 3356.7  | 3546.7  | 3718.9  | 3844.2  |
| 25°   | 2858.3 | 2838.4 | 2792.6 | 2747.9 | 2731.9 | 2857.3 | 3305.0  | 3543.8  | 3806.4  | 3963.6  |
| 27.5° | 3152.8 | 3127.9 | 3035.4 | 2927.9 | 2831.4 | 2885.2 | 3282.1  | 3561.7  | 3902.9  | 4090.0  |
| 30°   | 3517.9 | 3491.0 | 3374.6 | 3209.5 | 3036.4 | 2988.6 | 3311.0  | 3614.4  | 4026.3  | 4258.1  |
| 32.5° | 3845.2 | 3815.4 | 3715.9 | 3547.7 | 3313.9 | 3167.7 | 3402.5  | 3714.9  | 4220.3  | 4491.9  |
| 35°   | 4135.7 | 4100.9 | 4011.4 | 3856.2 | 3654.2 | 3419.4 | 3567.6  | 3893.0  | 4495.9  | 4871.9  |
| 37.5° | 4420.3 | 4379.5 | 4282.0 | 4117.8 | 3976.5 | 3754.7 | 3795.5  | 4121.8  | 4862.0  | 5333.6  |
| 40°   | 4738.6 | 4679.9 | 4561.5 | 4399.4 | 4262.1 | 4147.7 | 4094.9  | 4402.3  | 5234.1  | 5848.9  |
| 42.5° | 5047.0 | 4991.3 | 4850.0 | 4711.8 | 4539.6 | 4506.8 | 4442.1  | 4730.7  | 5641.0  | 6415.0  |
| 45°   | 5379.3 | 5312.7 | 5141.5 | 4966.4 | 4858.0 | 4745.6 | 4778.4  | 5059.0  | 6039.9  | 6992.0  |
| 47.5° | 5690.7 | 5616.1 | 5414.1 | 5219.1 | 5159.5 | 4946.5 | 5086.8  | 5420.1  | 6454.8  | 7577.0  |
| 50°   | 5858.9 | 5785.2 | 5617.1 | 5441.0 | 5394.2 | 5194.3 | 5421.1  | 5817.1  | 6889.5  | 8160.0  |
| 52.5° | 5999.1 | 5919.5 | 5699.7 | 5602.2 | 5588.2 | 5463.9 | 5833.0  | 6270.7  | 7324.3  | 8675.4  |
| 55°   | 6148.4 | 6059.8 | 5779.3 | 5691.7 | 5755.4 | 5766.3 | 6321.5  | 6785.1  | 7783.9  | 9177.8  |
| 57.5° | 6320.5 | 6208.1 | 5855.9 | 5767.3 | 5918.5 | 6120.5 | 6882.6  | 7318.3  | 8235.6  | 9643.4  |
| 60°   | 6482.6 | 6369.2 | 6003.1 | 5887.7 | 6094.6 | 6531.4 | 7526.3  | 7964.0  | 8747.0  | 10058.2 |
| 62.5° | 6514.5 | 6421.0 | 6120.5 | 6119.5 | 6333.4 | 7010.9 | 8288.3  | 8615.7  | 9193.7  | 10468.1 |
| 65°   | 5963.3 | 5904.6 | 5726.5 | 6110.6 | 6675.6 | 7701.4 | 9137.0  | 9449.4  | 9761.8  | 10826.3 |
| 67.5° | 4538.6 | 4546.6 | 4533.7 | 5274.9 | 6399.1 | 8693.3 | 10365.7 | 10341.8 | 10463.2 | 11228.2 |
| 70°   | 2075.3 | 2122.1 | 2426.5 | 3641.3 | 5126.6 | 8807.7 | 12397.2 | 12087.8 | 11343.6 | 11748.5 |
| 72.5° | 1121.2 | 1157.0 | 1281.4 | 1763.9 | 3082.1 | 7830.7 | 13915.4 | 14135.3 | 12514.6 | 12098.7 |
| 75°   | 822.8  | 842.7  | 929.2  | 1121.2 | 1294.3 | 5820.1 | 13371.2 | 14499.4 | 12660.9 | 11281.9 |
| 77.5° | 615.8  | 624.8  | 695.4  | 888.4  | 662.6  | 3068.2 | 10684.0 | 12008.2 | 10838.2 | 9269.3  |
| 80°   | 446.7  | 456.7  | 509.4  | 666.6  | 464.6  | 1122.2 | 7336.2  | 8428.6  | 7422.8  | 5908.6  |
| 82.5° | 308.4  | 312.4  | 335.3  | 453.7  | 324.3  | 435.8  | 4162.6  | 4942.6  | 4143.7  | 2073.3  |
| 85°   | 186.0  | 191.0  | 201.0  | 264.6  | 184.1  | 206.9  | 1796.8  | 1858.4  | 1238.6  | 495.5   |
| 87.5° | 76.6   | 81.6   | 89.5   | 111.4  | 72.6   | 57.7   | 296.5   | 372.1   | 231.8   | 145.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3394.5 | 0°    | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 | 3394.5 |
| 3404.5 | 2.5°  | 3399.5 | 3392.5 | 3373.6 | 3347.8 | 3323.9 | 3294.0 | 3281.1 | 3270.2 | 3260.2 | 3241.3 |
| 3431.3 | 5°    | 3420.4 | 3401.5 | 3350.8 | 3285.1 | 3210.5 | 3128.9 | 3049.3 | 2994.6 | 2947.8 | 2913.0 |
| 3462.2 | 7.5°  | 3452.2 | 3416.4 | 3323.9 | 3189.6 | 3018.5 | 2843.4 | 2685.2 | 2572.8 | 2488.2 | 2457.4 |
| 3506.0 | 10°   | 3485.1 | 3442.3 | 3281.1 | 3044.3 | 2748.9 | 2479.2 | 2269.3 | 2153.9 | 2086.3 | 2064.4 |
| 3557.7 | 12.5° | 3523.9 | 3461.2 | 3214.5 | 2842.4 | 2447.4 | 2151.9 | 1968.9 | 1901.2 | 1866.4 | 1854.5 |
| 3621.4 | 15°   | 3580.6 | 3477.1 | 3114.0 | 2589.7 | 2159.9 | 1913.2 | 1794.8 | 1748.0 | 1730.1 | 1729.1 |
| 3687.0 | 17.5° | 3623.4 | 3480.1 | 2957.8 | 2319.1 | 1939.0 | 1768.9 | 1671.4 | 1653.5 | 1665.4 | 1683.3 |
| 3751.7 | 20°   | 3671.1 | 3453.2 | 2752.8 | 2072.3 | 1783.8 | 1642.5 | 1601.8 | 1613.7 | 1642.5 | 1668.4 |
| 3837.3 | 22.5° | 3704.9 | 3404.5 | 2505.1 | 1880.3 | 1649.5 | 1569.9 | 1567.9 | 1592.8 | 1608.7 | 1621.7 |
| 3937.7 | 25°   | 3734.8 | 3321.9 | 2242.5 | 1719.2 | 1539.1 | 1526.1 | 1548.0 | 1540.1 | 1529.1 | 1540.1 |
| 4038.2 | 27.5° | 3756.7 | 3191.6 | 2007.7 | 1577.9 | 1461.5 | 1496.3 | 1483.4 | 1465.5 | 1464.5 | 1470.4 |
| 4156.6 | 30°   | 3749.7 | 3017.5 | 1814.7 | 1443.6 | 1406.8 | 1440.6 | 1409.7 | 1406.8 | 1403.8 | 1406.8 |
| 4334.7 | 32.5° | 3749.7 | 2819.5 | 1666.4 | 1351.0 | 1371.9 | 1359.0 | 1356.0 | 1349.1 | 1337.1 | 1336.1 |
| 4576.5 | 35°   | 3770.6 | 2621.5 | 1539.1 | 1301.3 | 1343.1 | 1312.2 | 1314.2 | 1297.3 | 1272.5 | 1260.5 |
| 4896.8 | 37.5° | 3813.4 | 2462.3 | 1412.7 | 1277.4 | 1292.3 | 1291.4 | 1283.4 | 1254.5 | 1210.8 | 1173.0 |
| 5296.7 | 40°   | 3916.8 | 2415.6 | 1326.2 | 1266.5 | 1268.5 | 1280.4 | 1259.5 | 1203.8 | 1104.3 | 1042.6 |
| 5702.7 | 42.5° | 4079.0 | 2494.2 | 1307.3 | 1239.6 | 1252.6 | 1264.5 | 1223.7 | 1094.4 | 1023.7 | 986.9  |
| 6128.5 | 45°   | 4285.0 | 2631.5 | 1348.1 | 1200.8 | 1214.7 | 1235.6 | 1114.3 | 1052.6 | 1020.7 | 1021.7 |
| 6550.3 | 47.5° | 4545.6 | 2775.7 | 1423.7 | 1167.0 | 1160.0 | 1172.0 | 1041.6 | 1003.8 | 960.1  | 971.0  |
| 6955.2 | 50°   | 4847.1 | 2922.0 | 1495.3 | 1121.2 | 1099.3 | 1060.5 | 994.9  | 959.1  | 903.4  | 877.5  |
| 7346.2 | 52.5° | 5173.4 | 3063.2 | 1524.2 | 1065.5 | 1033.7 | 988.9  | 963.0  | 919.3  | 851.6  | 808.8  |
| 7715.3 | 55°   | 5482.8 | 3191.6 | 1492.3 | 998.9  | 968.0  | 933.2  | 929.2  | 902.4  | 829.7  | 770.0  |
| 8043.6 | 57.5° | 5775.3 | 3299.0 | 1412.7 | 931.2  | 901.4  | 880.5  | 907.3  | 894.4  | 802.9  | 726.3  |
| 8354.0 | 60°   | 6023.0 | 3372.6 | 1297.3 | 862.6  | 841.7  | 830.7  | 871.5  | 867.5  | 765.1  | 679.5  |
| 8632.6 | 62.5° | 6220.0 | 3401.5 | 1170.0 | 796.9  | 791.9  | 772.0  | 821.8  | 821.8  | 717.3  | 633.7  |
| 8877.3 | 65°   | 6374.2 | 3373.6 | 1040.6 | 732.2  | 742.2  | 712.3  | 761.1  | 755.1  | 666.6  | 592.9  |
| 9158.9 | 67.5° | 6510.5 | 3282.1 | 897.4  | 668.6  | 691.4  | 653.6  | 697.4  | 683.5  | 610.9  | 552.2  |
| 9402.6 | 70°   | 6571.2 | 3069.2 | 734.2  | 604.9  | 632.7  | 595.9  | 633.7  | 607.9  | 548.2  | 508.4  |
| 9135.0 | 72.5° | 6083.7 | 2550.9 | 578.0  | 538.2  | 562.1  | 532.3  | 565.1  | 535.2  | 480.5  | 462.6  |
| 7888.4 | 75°   | 5033.1 | 1914.2 | 444.7  | 465.6  | 483.5  | 460.6  | 482.5  | 460.6  | 410.9  | 423.8  |
| 5827.0 | 77.5° | 3655.2 | 1292.3 | 340.2  | 389.0  | 397.0  | 385.0  | 403.9  | 379.0  | 334.3  | 331.3  |
| 2904.1 | 80°   | 1817.6 | 757.1  | 266.6  | 307.4  | 304.4  | 296.5  | 318.4  | 306.4  | 268.6  | 284.5  |
| 784.0  | 82.5° | 526.3  | 324.3  | 194.0  | 215.9  | 209.9  | 211.9  | 227.8  | 233.8  | 350.2  | 347.2  |
| 243.7  | 85°   | 165.2  | 127.3  | 116.4  | 120.4  | 114.4  | 117.4  | 134.3  | 266.6  | 246.7  | 144.3  |
| 75.6   | 87.5° | 42.8   | 43.8   | 28.9   | 30.8   | 31.8   | 37.8   | 42.8   | 162.2  | 77.6   | 50.7   |
| 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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| <u>180°</u> |
|-------------|
| 3394.5      |
| 3232.4      |
| 2884.2      |
| 2403.6      |
| 2030.6      |
| 1857.4      |
| 1733.1      |
| 1690.3      |
| 1677.4      |
| 1628.6      |
| 1547.0      |
| 1480.4      |
| 1417.7      |
| 1349.1      |
| 1272.5      |
| 1185.9      |
| 1050.6      |
| 986.9       |
| 1026.7      |
| 998.9       |
| 884.4       |
| 807.8       |
| 770.0       |
| 722.3       |
| 676.5       |
| 630.8       |
| 589.0       |
| 548.2       |
| 500.4       |
| 447.7       |
| 387.0       |
| 316.4       |
| 281.6       |
| 355.2       |
| 156.2       |
| 53.7        |
| 0.0         |

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