

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: P954963

Luminaire Tested: **GALN-SB8A-760-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8A-760-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

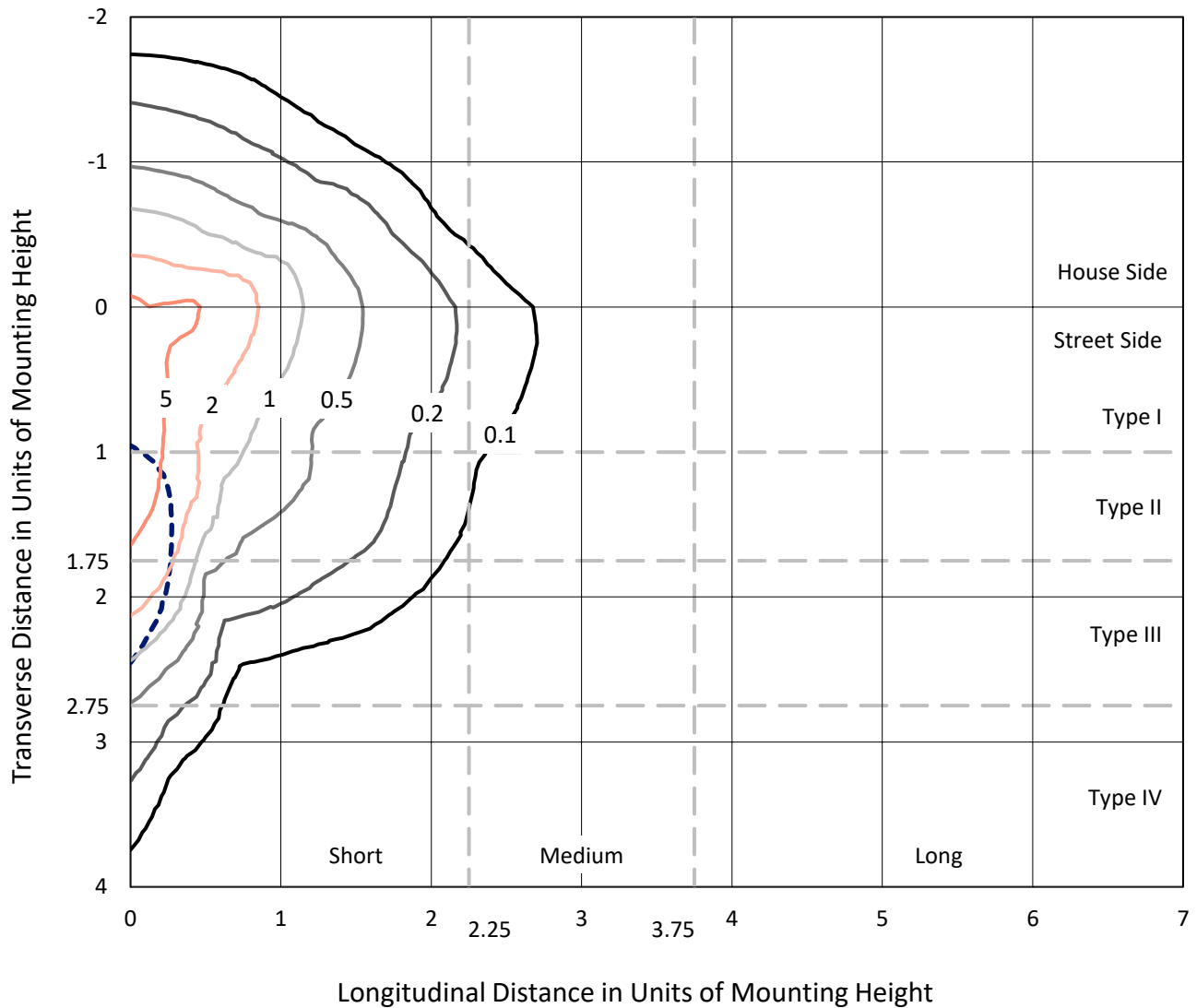
Lumens per Lamp: N/A  
Luminaire Lumens: 29288 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

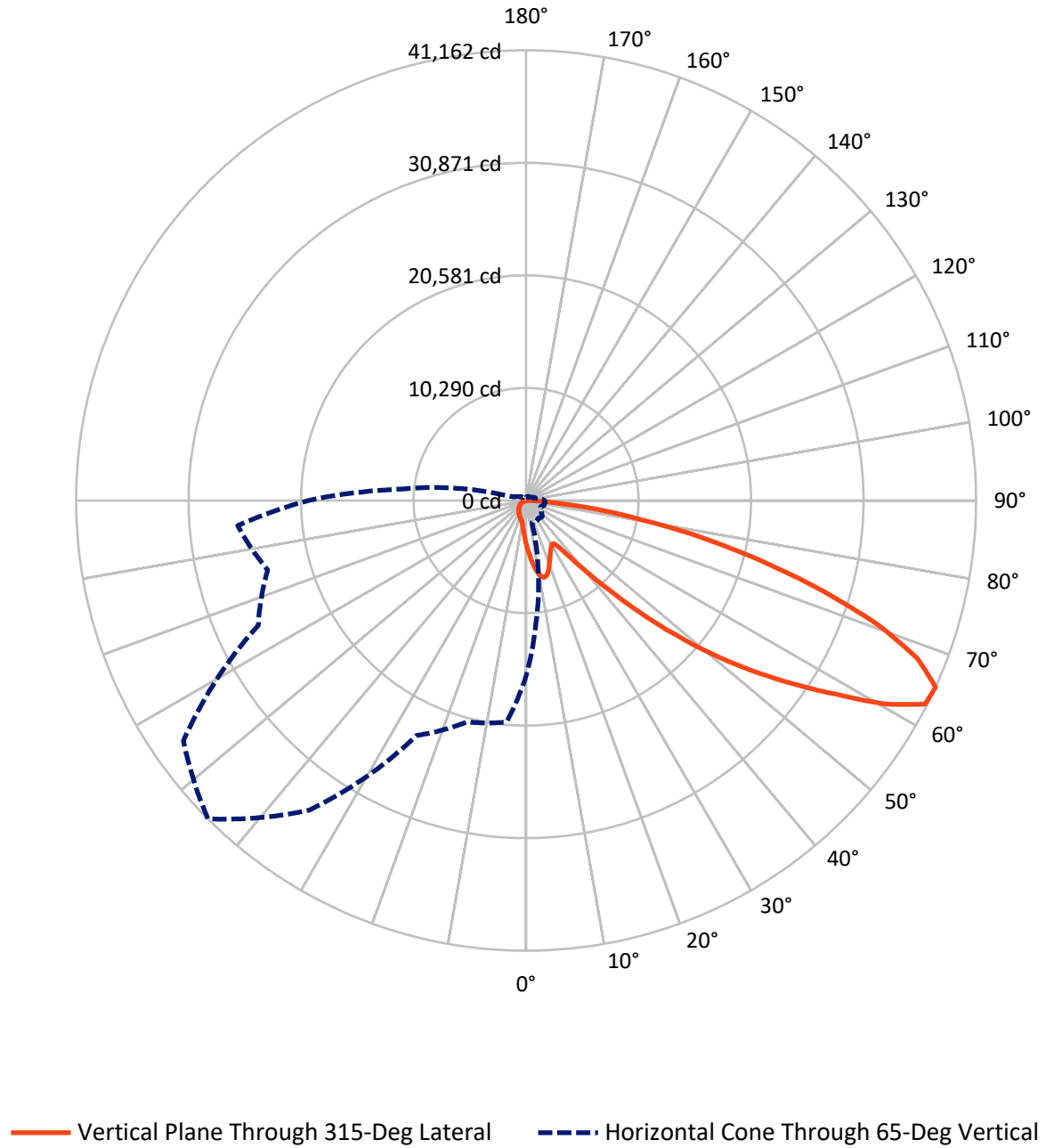
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - 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    | 4101.6   | 0.0    | 4101.6  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 25186.4  | 0.0    | 25186.4 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 29288.0  | 0.0    | 29288.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 399.3   | 1.4       |
| 10°-20°   | 1196.9  | 4.1       |
| 20°-30°   | 1763.3  | 6.0       |
| 30°-40°   | 2265.3  | 7.7       |
| 40°-50°   | 3663.7  | 12.5      |
| 50°-60°   | 6424.7  | 21.9      |
| 60°-70°   | 8039.0  | 27.4      |
| 70°-80°   | 4697.6  | 16.0      |
| 80°-90°   | 838.1   | 2.9       |
| 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°    | 29288.0 | 100.0     |
| 0°-180°   | 29288.0 | 100.0     |

**Coefficient of Utilization**



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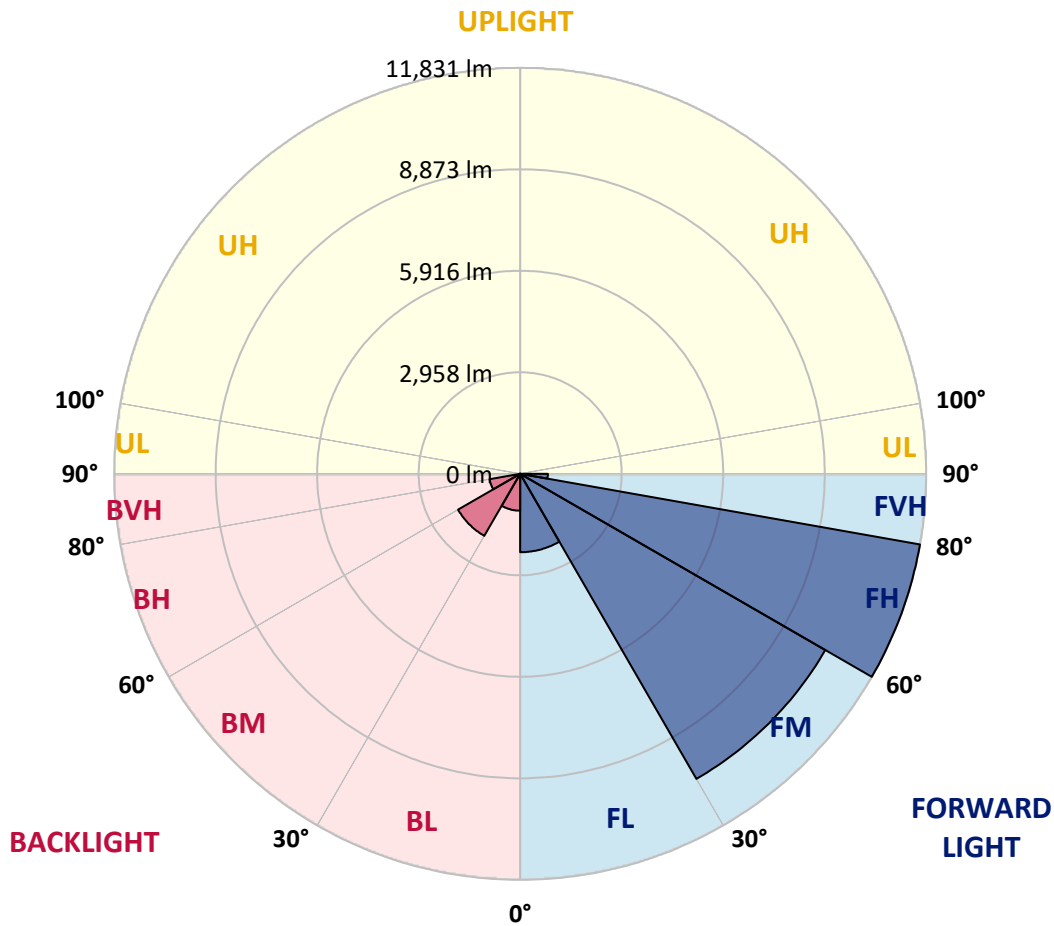
CATALOG NUMBER: GALN-SB8A-760-U-SLR-HSS

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2284.4  | 7.8       |                         |      |          |
| FM (30°-60°)   | 10265.1 | 35.0      |                         |      |          |
| FH (60°-80°)   | 11831.0 | 40.4      |                         |      | G4/12000 |
| FVH (80°-90°)  | 805.9   | 2.8       |                         |      | G5       |
| BL (0°-30°)    | 1075.1  | 3.7       | B3/2500                 |      |          |
| BM (30°-60°)   | 2088.6  | 7.1       | B2/2500                 |      |          |
| BH (60°-80°)   | 905.7   | 3.1       | B2/1000                 |      | G2/1000  |
| BVH (80°-90°)  | 32.2    | 0.1       |                         |      | G1/100   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4055.5  | 4055.5  | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 |
| 2.5°  | 4582.1  | 4503.4  | 4457.0 | 4342.0 | 4227.0 | 4134.1 | 4009.0 | 3926.3 | 3827.5 | 3732.6 |
| 5°    | 5106.6  | 4979.5  | 4826.2 | 4616.4 | 4424.7 | 4229.0 | 4039.3 | 3851.7 | 3653.9 | 3472.4 |
| 7.5°  | 5550.5  | 5366.9  | 5096.6 | 4818.1 | 4574.0 | 4337.9 | 4116.0 | 3867.8 | 3627.7 | 3343.2 |
| 10°   | 5889.5  | 5655.4  | 5300.3 | 4935.1 | 4654.7 | 4416.6 | 4200.7 | 3990.9 | 3748.8 | 3405.8 |
| 12.5° | 6095.3  | 5845.1  | 5423.4 | 4995.7 | 4674.9 | 4408.5 | 4241.1 | 4148.3 | 4053.4 | 3712.5 |
| 15°   | 6246.6  | 5976.2  | 5510.2 | 5038.0 | 4628.5 | 4301.6 | 4178.5 | 4271.3 | 4380.3 | 4162.4 |
| 17.5° | 6404.0  | 6119.5  | 5623.2 | 5056.2 | 4503.4 | 4093.8 | 4041.3 | 4281.4 | 4533.6 | 4523.5 |
| 20°   | 6553.3  | 6270.8  | 5722.0 | 5044.1 | 4301.6 | 3841.6 | 3888.0 | 4194.7 | 4487.2 | 4610.3 |
| 22.5° | 6724.8  | 6426.2  | 5816.8 | 4997.7 | 4039.3 | 3605.5 | 3750.8 | 4057.5 | 4313.7 | 4459.0 |
| 25°   | 6934.6  | 6621.9  | 5950.0 | 4929.1 | 3756.8 | 3409.8 | 3611.6 | 3898.1 | 4105.9 | 4206.8 |
| 27.5° | 7160.6  | 6855.9  | 6127.6 | 4892.8 | 3528.8 | 3270.6 | 3454.2 | 3708.4 | 3894.0 | 3964.7 |
| 30°   | 7441.0  | 7128.3  | 6337.4 | 4852.4 | 3379.5 | 3189.9 | 3290.8 | 3488.5 | 3670.1 | 3740.7 |
| 32.5° | 7747.7  | 7431.0  | 6539.2 | 4755.6 | 3288.7 | 3129.4 | 3131.4 | 3256.5 | 3421.9 | 3506.7 |
| 35°   | 8131.1  | 7794.1  | 6755.0 | 4543.7 | 3216.1 | 3058.7 | 2976.0 | 3036.5 | 3173.7 | 3274.6 |
| 37.5° | 8677.9  | 8270.3  | 7019.4 | 4241.1 | 3109.2 | 2949.8 | 2812.6 | 2826.7 | 2931.6 | 3042.6 |
| 40°   | 9432.5  | 8909.9  | 7330.1 | 3926.3 | 2955.8 | 2796.4 | 2633.0 | 2627.0 | 2703.6 | 2812.6 |
| 42.5° | 10453.4 | 9755.3  | 7703.3 | 3625.7 | 2808.6 | 2610.8 | 2443.4 | 2433.3 | 2493.8 | 2588.6 |
| 45°   | 11801.2 | 10836.7 | 8161.3 | 3367.4 | 2693.5 | 2429.2 | 2263.8 | 2259.8 | 2310.2 | 2392.9 |
| 47.5° | 13526.2 | 12339.9 | 8619.3 | 3191.9 | 2633.0 | 2286.0 | 2116.5 | 2124.6 | 2169.0 | 2243.6 |
| 50°   | 15759.8 | 14299.0 | 8758.6 | 3103.1 | 2633.0 | 2209.3 | 1985.4 | 2025.7 | 2062.0 | 2118.5 |
| 52.5° | 18437.2 | 16179.4 | 8298.5 | 3022.4 | 2649.2 | 2219.4 | 1874.4 | 1961.1 | 1987.4 | 2035.8 |
| 55°   | 20918.9 | 17101.5 | 7134.4 | 2911.5 | 2653.2 | 2281.9 | 1779.6 | 1908.7 | 1957.1 | 1975.3 |
| 57.5° | 22359.5 | 16784.7 | 5768.4 | 2723.8 | 2637.1 | 2324.3 | 1719.0 | 1844.1 | 1936.9 | 1949.0 |
| 60°   | 22085.1 | 15673.0 | 4247.1 | 2580.6 | 2518.0 | 2308.2 | 1700.9 | 1745.3 | 1892.5 | 1910.7 |
| 62.5° | 19970.6 | 13808.7 | 2947.8 | 2469.6 | 2255.7 | 2237.6 | 1694.8 | 1589.9 | 1795.7 | 1840.1 |
| 65°   | 16052.3 | 10871.0 | 2082.2 | 2126.6 | 1977.3 | 2084.2 | 1662.5 | 1428.5 | 1678.7 | 1739.2 |
| 67.5° | 11645.8 | 7356.3  | 1503.1 | 1723.1 | 1791.7 | 1836.0 | 1589.9 | 1311.5 | 1545.5 | 1626.2 |
| 70°   | 7473.3  | 3972.7  | 1055.2 | 1137.9 | 1509.2 | 1559.6 | 1464.8 | 1206.5 | 1410.3 | 1503.1 |
| 72.5° | 5312.4  | 2346.5  | 758.6  | 797.0  | 1212.6 | 1299.4 | 1289.3 | 1089.5 | 1253.0 | 1365.9 |
| 75°   | 3666.0  | 1293.3  | 512.5  | 569.0  | 879.7  | 1055.2 | 994.7  | 936.2  | 1061.3 | 1176.3 |
| 77.5° | 2298.1  | 579.1   | 306.7  | 395.5  | 577.0  | 829.2  | 682.0  | 724.3  | 827.2  | 934.2  |
| 80°   | 1279.2  | 224.0   | 171.5  | 262.3  | 314.8  | 603.3  | 377.3  | 466.1  | 609.3  | 686.0  |
| 82.5° | 278.4   | 28.2    | 76.7   | 113.0  | 123.1  | 351.1  | 199.7  | 270.4  | 383.4  | 377.3  |
| 85°   | 0.0     | 0.0     | 14.1   | 16.1   | 8.1    | 151.3  | 72.6   | 88.8   | 125.1  | 117.0  |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4055.5 | 0°    | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 |
| 3647.9 | 2.5°  | 3631.7 | 3532.9 | 3460.2 | 3423.9 | 3393.7 | 3421.9 | 3438.1 | 3438.1 | 3506.7 | 3547.0 |
| 3361.4 | 5°    | 3290.8 | 3113.2 | 2978.0 | 2887.2 | 2832.8 | 2850.9 | 2871.1 | 2893.3 | 2980.1 | 3038.6 |
| 3191.9 | 7.5°  | 3054.7 | 2782.3 | 2576.5 | 2449.4 | 2382.8 | 2392.9 | 2407.0 | 2425.2 | 2509.9 | 2568.5 |
| 3216.1 | 10°   | 3010.3 | 2618.9 | 2328.4 | 2160.9 | 2080.2 | 2066.1 | 2058.0 | 2051.9 | 2102.4 | 2146.8 |
| 3490.5 | 12.5° | 3191.9 | 2627.0 | 2221.4 | 2017.6 | 1918.8 | 1876.4 | 1828.0 | 1789.6 | 1797.7 | 1826.0 |
| 3906.1 | 15°   | 3516.7 | 2729.9 | 2187.1 | 1943.0 | 1819.9 | 1749.3 | 1692.8 | 1646.4 | 1636.3 | 1646.4 |
| 4269.3 | 17.5° | 3888.0 | 2869.1 | 2183.1 | 1878.4 | 1725.1 | 1652.4 | 1606.0 | 1563.7 | 1549.5 | 1551.6 |
| 4473.1 | 20°   | 4134.1 | 2980.1 | 2171.0 | 1805.8 | 1634.3 | 1569.7 | 1529.4 | 1487.0 | 1472.9 | 1476.9 |
| 4416.6 | 22.5° | 4158.4 | 3038.6 | 2152.8 | 1725.1 | 1543.5 | 1489.0 | 1448.7 | 1410.3 | 1408.3 | 1408.3 |
| 4204.8 | 25°   | 4027.2 | 3038.6 | 2114.5 | 1652.4 | 1456.7 | 1408.3 | 1372.0 | 1325.6 | 1333.7 | 1337.7 |
| 3964.7 | 27.5° | 3823.4 | 2965.9 | 2041.8 | 1593.9 | 1382.1 | 1331.6 | 1295.3 | 1253.0 | 1263.0 | 1269.1 |
| 3740.7 | 30°   | 3621.7 | 2873.1 | 1955.1 | 1527.4 | 1311.5 | 1253.0 | 1226.7 | 1190.4 | 1194.4 | 1202.5 |
| 3518.8 | 32.5° | 3434.0 | 2774.3 | 1852.2 | 1472.9 | 1240.8 | 1182.3 | 1162.2 | 1121.8 | 1127.9 | 1135.9 |
| 3300.9 | 35°   | 3248.4 | 2665.3 | 1731.1 | 1408.3 | 1176.3 | 1117.8 | 1101.6 | 1055.2 | 1059.3 | 1071.4 |
| 3082.9 | 37.5° | 3048.6 | 2550.3 | 1632.3 | 1343.7 | 1113.7 | 1053.2 | 1037.1 | 988.6  | 992.7  | 1006.8 |
| 2857.0 | 40°   | 2838.8 | 2437.3 | 1535.4 | 1275.1 | 1047.2 | 986.6  | 972.5  | 920.0  | 924.1  | 940.2  |
| 2635.0 | 42.5° | 2627.0 | 2314.2 | 1460.8 | 1186.4 | 978.6  | 914.0  | 899.9  | 851.4  | 857.5  | 875.7  |
| 2441.3 | 45°   | 2431.3 | 2166.9 | 1412.3 | 1087.5 | 914.0  | 841.4  | 827.2  | 782.8  | 794.9  | 815.1  |
| 2277.9 | 47.5° | 2263.8 | 2015.6 | 1392.2 | 1004.8 | 845.4  | 766.7  | 754.6  | 718.3  | 738.5  | 760.6  |
| 2138.7 | 50°   | 2120.5 | 1870.3 | 1365.9 | 920.0  | 780.8  | 702.1  | 690.0  | 665.8  | 692.0  | 714.2  |
| 2043.9 | 52.5° | 2017.6 | 1704.9 | 1309.4 | 843.4  | 724.3  | 647.7  | 643.6  | 631.5  | 655.7  | 675.9  |
| 1973.2 | 55°   | 1928.9 | 1533.4 | 1218.7 | 776.8  | 673.9  | 601.3  | 605.3  | 599.2  | 619.4  | 635.6  |
| 1930.9 | 57.5° | 1848.2 | 1384.1 | 1103.6 | 724.3  | 619.4  | 560.9  | 573.0  | 564.9  | 575.0  | 585.1  |
| 1886.5 | 60°   | 1751.3 | 1232.8 | 966.4  | 665.8  | 554.9  | 520.6  | 534.7  | 512.5  | 510.5  | 514.5  |
| 1805.8 | 62.5° | 1608.1 | 1029.0 | 823.2  | 593.2  | 498.4  | 476.2  | 482.2  | 439.8  | 407.6  | 407.6  |
| 1686.7 | 65°   | 1408.3 | 827.2  | 690.0  | 512.5  | 433.8  | 415.6  | 411.6  | 351.1  | 306.7  | 302.6  |
| 1557.6 | 67.5° | 1176.3 | 679.9  | 573.0  | 431.8  | 361.2  | 349.1  | 353.1  | 308.7  | 264.3  | 260.3  |
| 1428.5 | 70°   | 958.4  | 562.9  | 462.0  | 345.0  | 278.4  | 290.5  | 308.7  | 264.3  | 221.9  | 215.9  |
| 1277.2 | 72.5° | 778.8  | 447.9  | 361.2  | 264.3  | 205.8  | 240.1  | 262.3  | 215.9  | 175.5  | 171.5  |
| 1089.5 | 75°   | 601.3  | 328.9  | 258.3  | 179.6  | 149.3  | 185.6  | 205.8  | 157.4  | 125.1  | 119.0  |
| 843.4  | 77.5° | 401.5  | 203.8  | 145.3  | 113.0  | 88.8   | 127.1  | 137.2  | 82.7   | 72.6   | 70.6   |
| 613.4  | 80°   | 244.1  | 94.8   | 62.5   | 54.5   | 30.3   | 46.4   | 54.5   | 34.3   | 38.3   | 40.4   |
| 326.9  | 82.5° | 123.1  | 26.2   | 10.1   | 2.0    | 0.0    | 0.0    | 16.1   | 8.1    | 16.1   | 20.2   |
| 88.8   | 85°   | 10.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    | 10.1   |
| 0.0    | 87.5° | 0.0    | 0.0    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 4055.5 | 0°    | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5 | 4055.5  | 4055.5  | 4055.5  |
| 3563.1 | 2.5°  | 3676.1 | 3760.9 | 3841.6 | 3970.7 | 4103.9 | 4235.0 | 4368.2 | 4497.3  | 4543.7  | 4578.0  |
| 3076.9 | 5°    | 3252.4 | 3411.8 | 3597.4 | 3853.7 | 4128.1 | 4410.6 | 4697.1 | 4959.4  | 5078.4  | 5159.1  |
| 2618.9 | 7.5°  | 2814.6 | 3022.4 | 3288.7 | 3674.1 | 4103.9 | 4553.8 | 5003.7 | 5417.4  | 5609.0  | 5764.4  |
| 2187.1 | 10°   | 2380.8 | 2606.8 | 2943.7 | 3383.6 | 3964.7 | 4610.3 | 5231.7 | 5800.7  | 6048.9  | 6244.6  |
| 1876.4 | 12.5° | 1999.5 | 2211.3 | 2564.4 | 3050.7 | 3746.8 | 4565.9 | 5362.9 | 6046.9  | 6339.4  | 6559.3  |
| 1654.5 | 15°   | 1731.1 | 1880.4 | 2193.2 | 2717.8 | 3488.5 | 4422.7 | 5371.0 | 6163.9  | 6484.7  | 6714.7  |
| 1561.7 | 17.5° | 1581.8 | 1632.3 | 1836.0 | 2378.8 | 3202.0 | 4235.0 | 5296.3 | 6204.2  | 6547.2  | 6761.1  |
| 1478.9 | 20°   | 1501.1 | 1509.2 | 1565.7 | 1938.9 | 2834.8 | 4059.5 | 5225.7 | 6244.6  | 6605.7  | 6785.3  |
| 1420.4 | 22.5° | 1436.6 | 1436.6 | 1450.7 | 1585.9 | 2360.6 | 3849.7 | 5203.5 | 6315.2  | 6686.4  | 6797.4  |
| 1353.8 | 25°   | 1378.0 | 1378.0 | 1382.1 | 1418.4 | 1870.3 | 3528.8 | 5189.4 | 6424.2  | 6797.4  | 6827.7  |
| 1287.3 | 27.5° | 1317.5 | 1319.5 | 1319.5 | 1339.7 | 1507.2 | 3093.0 | 5128.8 | 6565.4  | 6930.6  | 6868.0  |
| 1222.7 | 30°   | 1257.0 | 1261.0 | 1261.0 | 1275.1 | 1333.7 | 2582.6 | 5009.8 | 6734.9  | 7104.1  | 6920.5  |
| 1158.1 | 32.5° | 1196.5 | 1200.5 | 1200.5 | 1212.6 | 1255.0 | 2062.0 | 4860.5 | 6890.2  | 7279.6  | 6942.7  |
| 1095.6 | 35°   | 1133.9 | 1140.0 | 1135.9 | 1152.1 | 1196.5 | 1640.3 | 4670.8 | 7045.6  | 7469.3  | 7013.3  |
| 1035.0 | 37.5° | 1071.4 | 1075.4 | 1073.4 | 1089.5 | 1140.0 | 1416.4 | 4450.9 | 7162.6  | 7727.6  | 7170.7  |
| 970.5  | 40°   | 1008.8 | 1006.8 | 1006.8 | 1025.0 | 1079.4 | 1351.8 | 4174.5 | 7348.2  | 8098.8  | 7447.1  |
| 905.9  | 42.5° | 944.3  | 944.3  | 940.2  | 960.4  | 1027.0 | 1303.4 | 3910.2 | 7681.1  | 8639.5  | 7886.9  |
| 845.4  | 45°   | 885.7  | 883.7  | 875.7  | 893.8  | 976.5  | 1218.7 | 3817.4 | 8302.6  | 9438.5  | 8599.2  |
| 784.9  | 47.5° | 829.2  | 827.2  | 807.1  | 823.2  | 916.0  | 1142.0 | 4164.4 | 9319.5  | 10546.2 | 9646.3  |
| 736.4  | 50°   | 778.8  | 780.8  | 742.5  | 756.6  | 855.5  | 1083.5 | 4917.0 | 10639.0 | 12017.0 | 11056.7 |
| 696.1  | 52.5° | 732.4  | 732.4  | 682.0  | 690.0  | 780.8  | 1031.0 | 5633.2 | 12069.5 | 13958.0 | 13023.8 |
| 653.7  | 55°   | 686.0  | 682.0  | 625.5  | 629.5  | 706.2  | 956.4  | 5740.2 | 13465.7 | 16605.2 | 15983.7 |
| 607.3  | 57.5° | 633.5  | 625.5  | 573.0  | 573.0  | 637.6  | 901.9  | 4975.5 | 14539.1 | 19889.9 | 20333.7 |
| 520.6  | 60°   | 569.0  | 562.9  | 528.6  | 518.5  | 583.1  | 950.3  | 3510.7 | 14664.2 | 22008.4 | 26118.3 |
| 413.6  | 62.5° | 486.3  | 494.3  | 476.2  | 462.0  | 530.6  | 986.6  | 2080.2 | 13657.4 | 21495.9 | 27958.4 |
| 320.8  | 65°   | 383.4  | 415.6  | 411.6  | 401.5  | 583.1  | 831.3  | 1228.7 | 11724.5 | 19924.2 | 26473.4 |
| 280.5  | 67.5° | 326.9  | 349.1  | 343.0  | 343.0  | 611.3  | 631.5  | 772.8  | 9160.1  | 17761.3 | 24712.0 |
| 234.0  | 70°   | 278.4  | 300.6  | 278.4  | 278.4  | 462.0  | 383.4  | 534.7  | 6395.9  | 15426.9 | 22763.0 |
| 187.6  | 72.5° | 230.0  | 252.2  | 228.0  | 211.9  | 369.2  | 286.5  | 391.4  | 3996.9  | 13211.5 | 20733.2 |
| 133.2  | 75°   | 175.5  | 201.8  | 183.6  | 163.4  | 244.1  | 213.9  | 296.6  | 2322.3  | 10945.7 | 17739.1 |
| 80.7   | 77.5° | 111.0  | 145.3  | 137.2  | 115.0  | 179.6  | 155.4  | 213.9  | 1382.1  | 8445.8  | 13861.2 |
| 48.4   | 80°   | 68.6   | 74.7   | 76.7   | 72.6   | 102.9  | 104.9  | 145.3  | 786.9   | 5780.5  | 9660.4  |
| 30.3   | 82.5° | 44.4   | 44.4   | 34.3   | 38.3   | 50.4   | 60.5   | 82.7   | 296.6   | 3397.7  | 5881.4  |
| 18.2   | 85°   | 32.3   | 28.2   | 18.2   | 18.2   | 24.2   | 30.3   | 32.3   | 90.8    | 1378.0  | 2322.3  |
| 8.1    | 87.5° | 16.1   | 14.1   | 6.1    | 8.1    | 12.1   | 10.1   | 8.1    | 4.0     | 347.0   | 742.5   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 285°    |       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4055.5  | 0°    | 4055.5  | 4055.5  | 4055.5  | 4055.5  | 4055.5  | 4055.5  | 4055.5  | 4055.5  |
| 4654.7  | 2.5°  | 4695.0  | 4757.6  | 4761.6  | 4761.6  | 4707.1  | 4705.1  | 4594.2  | 4582.1  |
| 5340.7  | 5°    | 5528.3  | 5568.7  | 5578.8  | 5558.6  | 5449.6  | 5368.9  | 5153.0  | 5106.6  |
| 6040.8  | 7.5°  | 6291.0  | 6371.7  | 6371.7  | 6323.3  | 6145.7  | 5980.3  | 5667.5  | 5550.5  |
| 6619.9  | 10°   | 6900.3  | 6993.1  | 6973.0  | 6874.1  | 6650.1  | 6422.1  | 6042.8  | 5889.5  |
| 6970.9  | 12.5° | 7196.9  | 7291.7  | 7239.3  | 7126.3  | 6908.4  | 6668.3  | 6268.8  | 6095.3  |
| 7071.8  | 15°   | 7190.9  | 7164.6  | 7110.2  | 7096.0  | 6991.1  | 6809.5  | 6436.3  | 6246.6  |
| 7009.3  | 17.5° | 6934.6  | 6712.7  | 6670.3  | 6811.5  | 6944.7  | 6900.3  | 6581.5  | 6404.0  |
| 6860.0  | 20°   | 6529.1  | 6141.7  | 6103.4  | 6373.7  | 6753.0  | 6946.7  | 6716.7  | 6553.3  |
| 6644.1  | 22.5° | 6101.3  | 5683.7  | 5594.9  | 5893.5  | 6464.5  | 6960.8  | 6888.2  | 6724.8  |
| 6406.0  | 25°   | 5695.8  | 5276.1  | 5187.3  | 5465.8  | 6143.7  | 6936.6  | 7073.8  | 6934.6  |
| 6178.0  | 27.5° | 5356.8  | 4951.3  | 4868.6  | 5147.0  | 5835.0  | 6868.0  | 7259.5  | 7160.6  |
| 5952.0  | 30°   | 5094.5  | 4719.3  | 4658.7  | 4927.1  | 5568.7  | 6783.3  | 7495.5  | 7441.0  |
| 5742.2  | 32.5° | 4941.2  | 4666.8  | 4689.0  | 4908.9  | 5425.4  | 6690.5  | 7721.5  | 7747.7  |
| 5639.3  | 35°   | 5092.5  | 5104.6  | 5298.3  | 5389.1  | 5558.6  | 6676.4  | 8028.2  | 8131.1  |
| 5762.4  | 37.5° | 5845.1  | 6264.8  | 6666.3  | 6591.6  | 6210.3  | 6839.8  | 8486.2  | 8677.9  |
| 6299.1  | 40°   | 7126.3  | 7987.8  | 8639.5  | 8355.0  | 7394.6  | 7340.2  | 9145.9  | 9432.5  |
| 7251.4  | 42.5° | 8692.0  | 10152.8 | 11226.1 | 10463.5 | 8922.0  | 8215.8  | 10088.2 | 10453.4 |
| 8403.5  | 45°   | 10344.4 | 12822.1 | 14512.9 | 12927.0 | 10550.2 | 9442.5  | 11514.7 | 11801.2 |
| 9482.9  | 47.5° | 12085.6 | 16066.4 | 18253.6 | 15658.9 | 12059.4 | 10838.7 | 13459.7 | 13526.2 |
| 10505.8 | 50°   | 13990.3 | 19623.5 | 22066.9 | 18388.7 | 13516.2 | 12438.7 | 15836.4 | 15759.8 |
| 11698.3 | 52.5° | 15804.2 | 23281.5 | 25799.5 | 21130.7 | 14795.3 | 14424.1 | 18594.5 | 18437.2 |
| 13328.5 | 55°   | 17535.3 | 26937.5 | 29554.4 | 23765.7 | 16001.9 | 17047.0 | 21871.2 | 20918.9 |
| 15679.1 | 57.5° | 19542.8 | 30224.2 | 33424.2 | 26412.9 | 17688.6 | 20452.8 | 25535.2 | 22359.5 |
| 20180.4 | 60°   | 22510.8 | 33958.9 | 37800.4 | 30040.6 | 20896.7 | 24032.1 | 26848.7 | 22085.1 |
| 25571.5 | 62.5° | 26299.9 | 37392.9 | 40982.2 | 33595.7 | 24118.8 | 24706.0 | 24913.8 | 19970.6 |
| 24471.9 | 65°   | 27036.3 | 38262.5 | 41161.8 | 34546.0 | 23703.2 | 20957.2 | 20339.8 | 16052.3 |
| 21859.1 | 67.5° | 25083.3 | 36690.7 | 38651.9 | 32776.5 | 20967.3 | 16195.6 | 15263.4 | 11645.8 |
| 20144.1 | 70°   | 22892.1 | 33694.5 | 34277.6 | 29768.2 | 18441.2 | 11912.1 | 10308.1 | 7473.3  |
| 18969.8 | 72.5° | 20646.5 | 29697.6 | 28491.1 | 25852.0 | 16207.7 | 8673.8  | 7435.0  | 5312.4  |
| 17297.2 | 75°   | 17979.2 | 24441.7 | 22442.2 | 21479.8 | 13419.3 | 6807.5  | 5379.0  | 3666.0  |
| 14878.1 | 77.5° | 14397.9 | 17204.4 | 16669.7 | 16649.5 | 10084.2 | 4973.5  | 3589.4  | 2298.1  |
| 11623.6 | 80°   | 10156.8 | 11165.6 | 10893.2 | 12539.6 | 6765.1  | 3607.5  | 2160.9  | 1279.2  |
| 8090.7  | 82.5° | 4917.0  | 6174.0  | 6337.4  | 7467.3  | 3290.8  | 2122.6  | 498.4   | 278.4   |
| 3163.7  | 85°   | 1924.8  | 2978.0  | 2512.0  | 2834.8  | 924.1   | 591.2   | 12.1    | 0.0     |
| 520.6   | 87.5° | 215.9   | 345.0   | 316.8   | 250.2   | 113.0   | 24.2    | 0.0     | 0.0     |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)