

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: P956475

Luminaire Tested: **GALN-SB9A-840-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956475  
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-SB9A-840-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

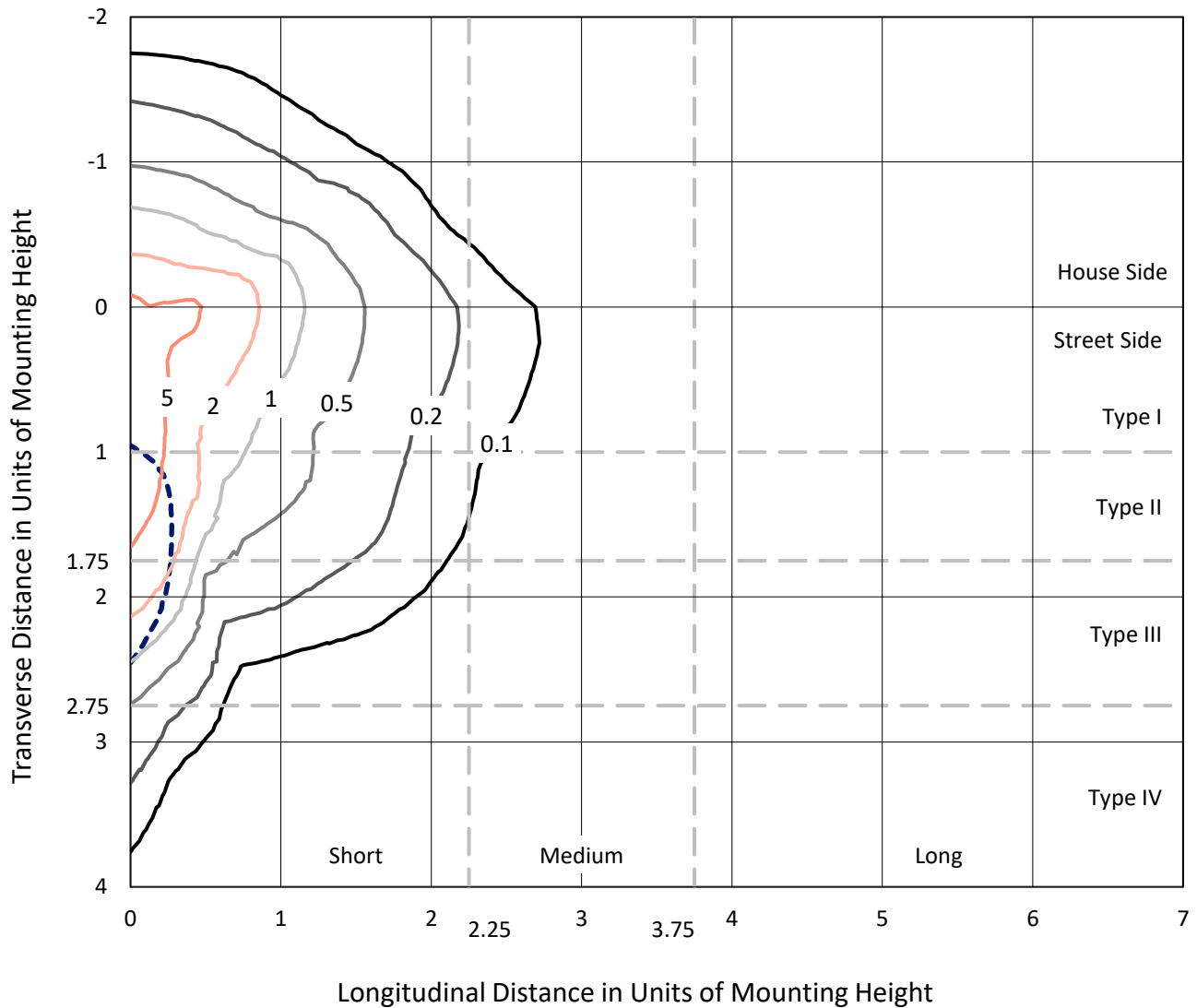
Lumens per Lamp: N/A  
Luminaire Lumens: 29827 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

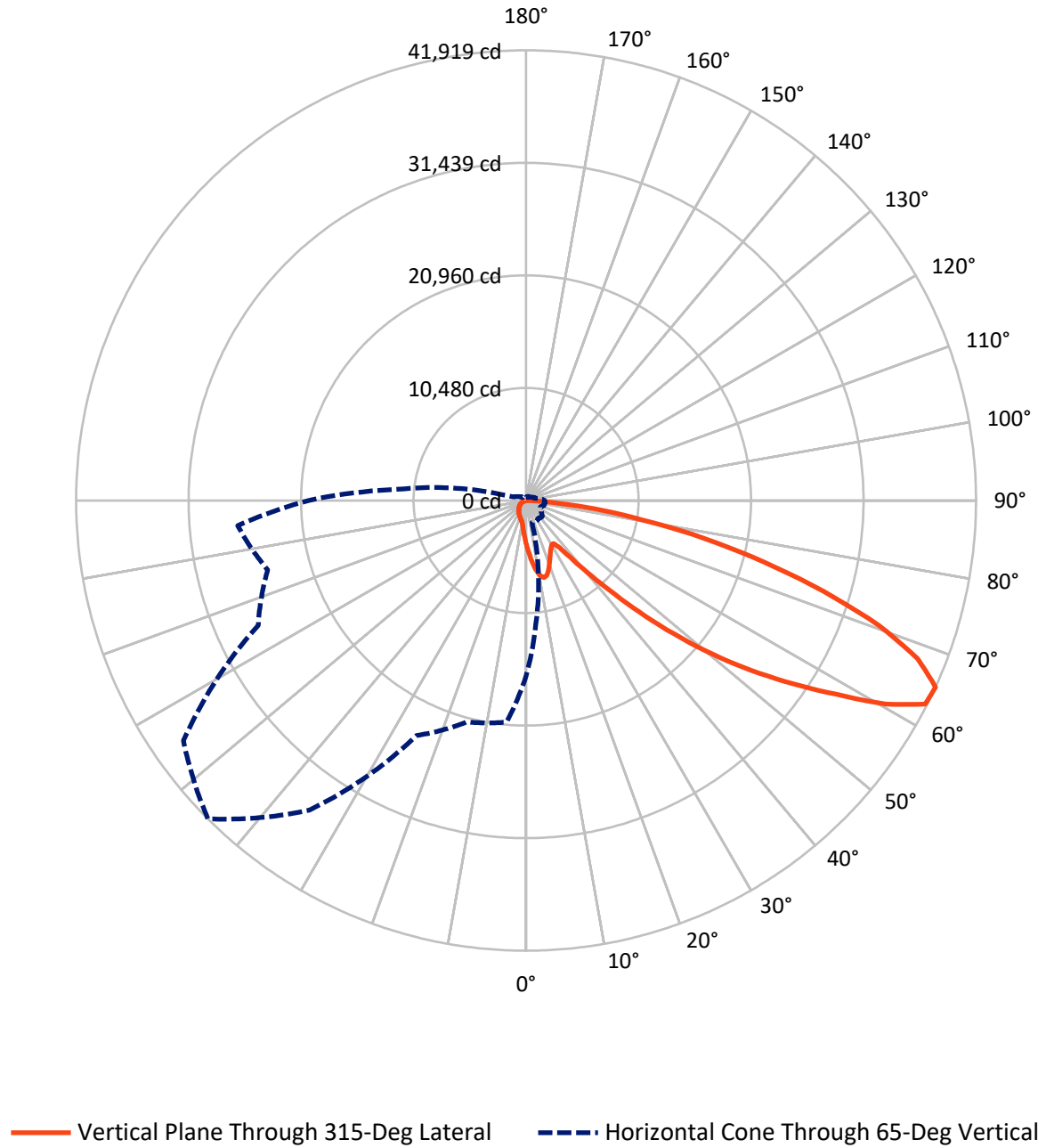
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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    | 4177.1   | 0.0    | 4177.1  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 25649.9  | 0.0    | 25649.9 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 29827.0  | 0.0    | 29827.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 406.6   | 1.4       |
| 10°-20°   | 1218.9  | 4.1       |
| 20°-30°   | 1795.7  | 6.0       |
| 30°-40°   | 2307.0  | 7.7       |
| 40°-50°   | 3731.1  | 12.5      |
| 50°-60°   | 6542.9  | 21.9      |
| 60°-70°   | 8187.0  | 27.4      |
| 70°-80°   | 4784.1  | 16.0      |
| 80°-90°   | 853.6   | 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°    | 29827.0 | 100.0     |
| 0°-180°   | 29827.0 | 100.0     |

**Coefficient of Utilization**



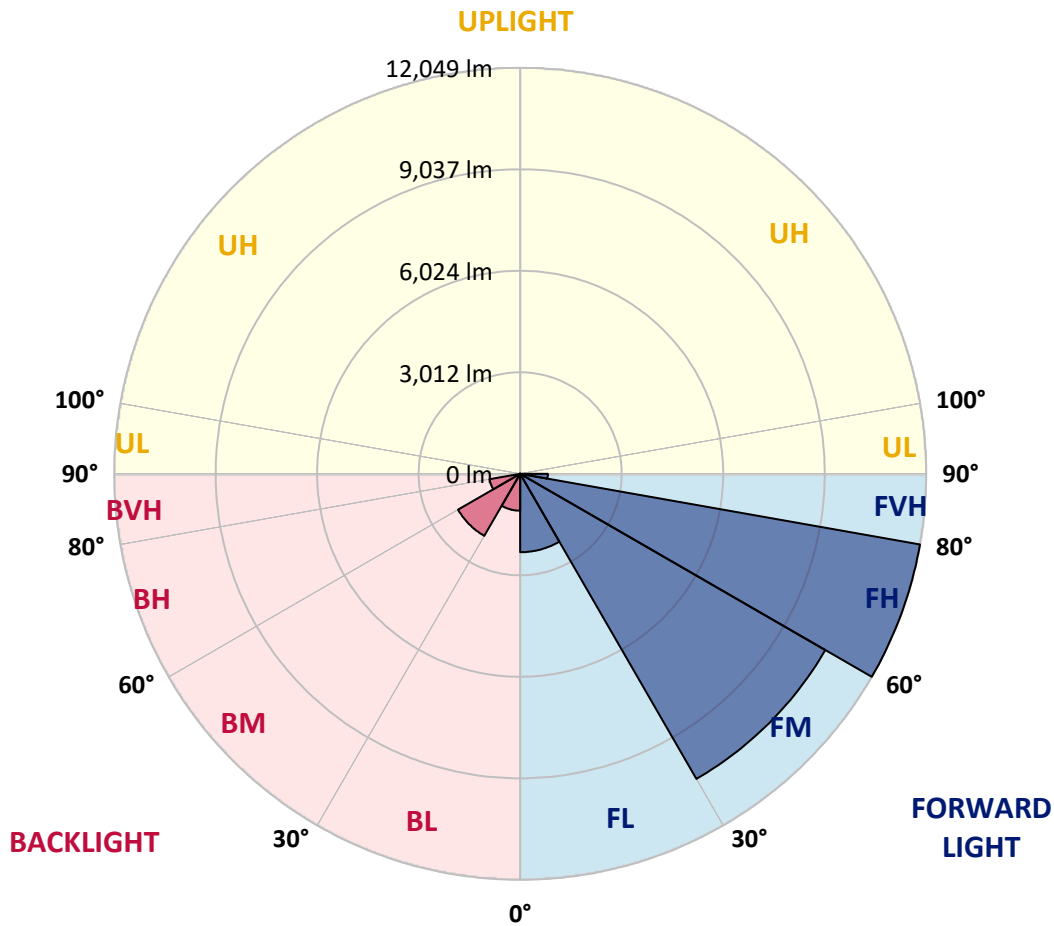
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 CATALOG NUMBER: GALN-SB9A-840-U-SLR-HSS

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2326.4  | 7.8       |                         |      |         |
| FM (30°-60°)   | 10454.0 | 35.0      |                         |      |         |
| FH (60°-80°)   | 12048.8 | 40.4      |                         |      | G5      |
| FVH (80°-90°)  | 820.8   | 2.8       |                         |      | G5      |
| BL (0°-30°)    | 1094.9  | 3.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 2127.1  | 7.1       | B2/2500                 |      |         |
| BH (60°-80°)   | 922.3   | 3.1       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 32.8    | 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°    | 4130.1  | 4130.1  | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 |
| 2.5°  | 4666.4  | 4586.2  | 4539.0 | 4421.9 | 4304.7 | 4210.2 | 4082.8 | 3998.6 | 3897.9 | 3801.3 |
| 5°    | 5200.6  | 5071.2  | 4915.0 | 4701.3 | 4506.1 | 4306.8 | 4113.6 | 3922.6 | 3721.2 | 3536.3 |
| 7.5°  | 5652.7  | 5465.7  | 5190.3 | 4906.8 | 4658.2 | 4417.8 | 4191.7 | 3939.0 | 3694.5 | 3404.8 |
| 10°   | 5997.9  | 5759.5  | 5397.9 | 5026.0 | 4740.4 | 4497.9 | 4278.0 | 4064.3 | 3817.8 | 3468.4 |
| 12.5° | 6207.5  | 5952.7  | 5523.2 | 5087.6 | 4760.9 | 4489.7 | 4319.1 | 4224.6 | 4128.0 | 3780.8 |
| 15°   | 6361.6  | 6086.2  | 5611.6 | 5130.8 | 4713.6 | 4380.8 | 4255.4 | 4349.9 | 4460.9 | 4239.0 |
| 17.5° | 6521.8  | 6232.1  | 5726.6 | 5149.3 | 4586.2 | 4169.1 | 4115.7 | 4360.2 | 4617.1 | 4606.8 |
| 20°   | 6673.9  | 6386.2  | 5827.3 | 5136.9 | 4380.8 | 3912.3 | 3959.5 | 4271.9 | 4569.8 | 4695.1 |
| 22.5° | 6848.5  | 6544.4  | 5923.9 | 5089.7 | 4113.6 | 3671.9 | 3819.8 | 4132.1 | 4393.1 | 4541.0 |
| 25°   | 7062.2  | 6743.8  | 6059.5 | 5019.8 | 3826.0 | 3472.6 | 3678.0 | 3969.8 | 4181.5 | 4284.2 |
| 27.5° | 7292.4  | 6982.1  | 6240.3 | 4982.8 | 3593.8 | 3330.8 | 3517.8 | 3776.7 | 3965.7 | 4037.6 |
| 30°   | 7578.0  | 7259.5  | 6454.0 | 4941.7 | 3441.7 | 3248.6 | 3351.3 | 3552.7 | 3737.6 | 3809.5 |
| 32.5° | 7890.3  | 7567.7  | 6659.5 | 4843.1 | 3349.3 | 3186.9 | 3189.0 | 3316.4 | 3484.9 | 3571.2 |
| 35°   | 8280.7  | 7937.6  | 6879.4 | 4627.3 | 3275.3 | 3115.0 | 3030.8 | 3092.4 | 3232.2 | 3334.9 |
| 37.5° | 8837.6  | 8422.5  | 7148.5 | 4319.1 | 3166.4 | 3004.1 | 2864.3 | 2878.7 | 2985.6 | 3098.6 |
| 40°   | 9606.0  | 9073.9  | 7465.0 | 3998.6 | 3010.2 | 2847.9 | 2681.5 | 2675.3 | 2753.4 | 2864.3 |
| 42.5° | 10645.8 | 9934.8  | 7845.1 | 3692.4 | 2860.2 | 2658.9 | 2488.3 | 2478.1 | 2539.7 | 2636.3 |
| 45°   | 12018.3 | 11036.2 | 8311.5 | 3429.4 | 2743.1 | 2473.9 | 2305.5 | 2301.3 | 2352.7 | 2437.0 |
| 47.5° | 13775.2 | 12567.0 | 8778.0 | 3250.6 | 2681.5 | 2328.1 | 2155.5 | 2163.7 | 2208.9 | 2284.9 |
| 50°   | 16049.8 | 14562.1 | 8919.8 | 3160.2 | 2681.5 | 2250.0 | 2021.9 | 2063.0 | 2100.0 | 2157.5 |
| 52.5° | 18776.5 | 16477.2 | 8451.3 | 3078.0 | 2697.9 | 2260.2 | 1908.9 | 1997.2 | 2023.9 | 2073.3 |
| 55°   | 21303.8 | 17416.2 | 7265.7 | 2965.0 | 2702.0 | 2323.9 | 1812.3 | 1943.8 | 1993.1 | 2011.6 |
| 57.5° | 22770.9 | 17093.6 | 5874.6 | 2773.9 | 2685.6 | 2367.1 | 1750.7 | 1878.1 | 1972.6 | 1984.9 |
| 60°   | 22491.5 | 15961.4 | 4325.3 | 2628.0 | 2564.4 | 2350.7 | 1732.2 | 1777.4 | 1927.4 | 1945.9 |
| 62.5° | 20338.1 | 14062.8 | 3002.0 | 2515.0 | 2297.2 | 2278.7 | 1726.0 | 1619.2 | 1828.7 | 1873.9 |
| 65°   | 16347.7 | 11071.1 | 2120.5 | 2165.7 | 2013.7 | 2122.6 | 1693.1 | 1454.8 | 1709.6 | 1771.2 |
| 67.5° | 11860.1 | 7491.7  | 1530.8 | 1754.8 | 1824.6 | 1869.8 | 1619.2 | 1335.6 | 1574.0 | 1656.1 |
| 70°   | 7610.9  | 4045.8  | 1074.6 | 1158.9 | 1537.0 | 1588.3 | 1491.8 | 1228.8 | 1436.3 | 1530.8 |
| 72.5° | 5410.2  | 2389.7  | 772.6  | 811.6  | 1234.9 | 1323.3 | 1313.0 | 1109.6 | 1276.0 | 1391.1 |
| 75°   | 3733.5  | 1317.1  | 521.9  | 579.4  | 895.9  | 1074.6 | 1013.0 | 953.4  | 1080.8 | 1197.9 |
| 77.5° | 2340.4  | 589.7   | 312.3  | 402.7  | 587.7  | 844.5  | 694.5  | 737.7  | 842.5  | 951.4  |
| 80°   | 1302.7  | 228.1   | 174.7  | 267.1  | 320.5  | 614.4  | 384.2  | 474.7  | 620.5  | 698.6  |
| 82.5° | 283.6   | 28.8    | 78.1   | 115.1  | 125.3  | 357.5  | 203.4  | 275.3  | 390.4  | 384.2  |
| 85°   | 0.0     | 0.0     | 14.4   | 16.4   | 8.2    | 154.1  | 74.0   | 90.4   | 127.4  | 119.2  |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.1    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4130.1 | 0°    | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 |
| 3715.0 | 2.5°  | 3698.6 | 3597.9 | 3523.9 | 3486.9 | 3456.1 | 3484.9 | 3501.3 | 3501.3 | 3571.2 | 3612.3 |
| 3423.2 | 5°    | 3351.3 | 3170.5 | 3032.8 | 2940.4 | 2884.9 | 2903.4 | 2923.9 | 2946.5 | 3034.9 | 3094.5 |
| 3250.6 | 7.5°  | 3110.9 | 2833.5 | 2623.9 | 2494.5 | 2426.7 | 2437.0 | 2451.3 | 2469.8 | 2556.1 | 2615.7 |
| 3275.3 | 10°   | 3065.7 | 2667.1 | 2371.2 | 2200.7 | 2118.5 | 2104.1 | 2095.9 | 2089.7 | 2141.1 | 2186.3 |
| 3554.7 | 12.5° | 3250.6 | 2675.3 | 2262.3 | 2054.8 | 1954.1 | 1910.9 | 1861.6 | 1822.6 | 1830.8 | 1859.6 |
| 3978.0 | 15°   | 3581.5 | 2780.1 | 2227.4 | 1978.7 | 1853.4 | 1781.5 | 1724.0 | 1676.7 | 1666.4 | 1676.7 |
| 4347.9 | 17.5° | 3959.5 | 2921.9 | 2223.3 | 1913.0 | 1756.8 | 1682.9 | 1635.6 | 1592.4 | 1578.1 | 1580.1 |
| 4555.4 | 20°   | 4210.2 | 3034.9 | 2210.9 | 1839.0 | 1664.4 | 1598.6 | 1557.5 | 1514.4 | 1500.0 | 1504.1 |
| 4497.9 | 22.5° | 4234.9 | 3094.5 | 2192.4 | 1756.8 | 1571.9 | 1516.4 | 1475.3 | 1436.3 | 1434.2 | 1434.2 |
| 4282.1 | 25°   | 4101.3 | 3094.5 | 2153.4 | 1682.9 | 1483.5 | 1434.2 | 1397.2 | 1350.0 | 1358.2 | 1362.3 |
| 4037.6 | 27.5° | 3893.8 | 3020.5 | 2079.4 | 1623.3 | 1407.5 | 1356.1 | 1319.2 | 1276.0 | 1286.3 | 1292.4 |
| 3809.5 | 30°   | 3688.3 | 2926.0 | 1991.1 | 1555.5 | 1335.6 | 1276.0 | 1249.3 | 1212.3 | 1216.4 | 1224.6 |
| 3583.5 | 32.5° | 3497.2 | 2825.3 | 1886.3 | 1500.0 | 1263.7 | 1204.1 | 1183.5 | 1142.5 | 1148.6 | 1156.8 |
| 3361.6 | 35°   | 3308.2 | 2714.3 | 1763.0 | 1434.2 | 1197.9 | 1138.3 | 1121.9 | 1074.6 | 1078.8 | 1091.1 |
| 3139.7 | 37.5° | 3104.8 | 2597.2 | 1662.3 | 1368.5 | 1134.2 | 1072.6 | 1056.2 | 1006.8 | 1010.9 | 1025.3 |
| 2909.6 | 40°   | 2891.1 | 2482.2 | 1563.7 | 1298.6 | 1066.4 | 1004.8 | 990.4  | 937.0  | 941.1  | 957.5  |
| 2683.5 | 42.5° | 2675.3 | 2356.8 | 1487.7 | 1208.2 | 996.6  | 930.8  | 916.4  | 867.1  | 873.3  | 891.8  |
| 2486.3 | 45°   | 2476.0 | 2206.8 | 1438.3 | 1107.5 | 930.8  | 856.8  | 842.5  | 797.3  | 809.6  | 830.1  |
| 2319.8 | 47.5° | 2305.5 | 2052.7 | 1417.8 | 1023.3 | 860.9  | 780.8  | 768.5  | 731.5  | 752.0  | 774.6  |
| 2178.1 | 50°   | 2159.6 | 1904.8 | 1391.1 | 937.0  | 795.2  | 715.1  | 702.7  | 678.1  | 704.8  | 727.4  |
| 2081.5 | 52.5° | 2054.8 | 1736.3 | 1333.5 | 858.9  | 737.7  | 659.6  | 655.5  | 643.1  | 667.8  | 688.3  |
| 2009.6 | 55°   | 1964.4 | 1561.6 | 1241.1 | 791.1  | 686.3  | 612.3  | 616.4  | 610.3  | 630.8  | 647.3  |
| 1966.4 | 57.5° | 1882.2 | 1409.6 | 1124.0 | 737.7  | 630.8  | 571.2  | 583.6  | 575.3  | 585.6  | 595.9  |
| 1921.2 | 60°   | 1783.5 | 1255.5 | 984.2  | 678.1  | 565.1  | 530.1  | 544.5  | 521.9  | 519.9  | 524.0  |
| 1839.0 | 62.5° | 1637.7 | 1047.9 | 838.3  | 604.1  | 507.5  | 484.9  | 491.1  | 447.9  | 415.1  | 415.1  |
| 1717.8 | 65°   | 1434.2 | 842.5  | 702.7  | 521.9  | 441.8  | 423.3  | 419.2  | 357.5  | 312.3  | 308.2  |
| 1586.3 | 67.5° | 1197.9 | 692.5  | 583.6  | 439.7  | 367.8  | 355.5  | 359.6  | 314.4  | 269.2  | 265.1  |
| 1454.8 | 70°   | 976.0  | 573.3  | 470.5  | 351.4  | 283.6  | 295.9  | 314.4  | 269.2  | 226.0  | 219.9  |
| 1300.7 | 72.5° | 793.1  | 456.2  | 367.8  | 269.2  | 209.6  | 244.5  | 267.1  | 219.9  | 178.8  | 174.7  |
| 1109.6 | 75°   | 612.3  | 334.9  | 263.0  | 182.9  | 152.1  | 189.0  | 209.6  | 160.3  | 127.4  | 121.2  |
| 858.9  | 77.5° | 408.9  | 207.5  | 147.9  | 115.1  | 90.4   | 129.5  | 139.7  | 84.2   | 74.0   | 71.9   |
| 624.6  | 80°   | 248.6  | 96.6   | 63.7   | 55.5   | 30.8   | 47.3   | 55.5   | 34.9   | 39.0   | 41.1   |
| 332.9  | 82.5° | 125.3  | 26.7   | 10.3   | 2.1    | 0.0    | 0.0    | 16.4   | 8.2    | 16.4   | 20.5   |
| 90.4   | 85°   | 10.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.1    | 10.3   |
| 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°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 4130.1 | 0°    | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1 | 4130.1  | 4130.1  | 4130.1  |
| 3628.7 | 2.5°  | 3743.8 | 3830.1 | 3912.3 | 4043.8 | 4179.4 | 4313.0 | 4448.6 | 4580.1  | 4627.3  | 4662.3  |
| 3133.5 | 5°    | 3312.3 | 3474.6 | 3663.7 | 3924.6 | 4204.1 | 4491.7 | 4783.5 | 5050.6  | 5171.9  | 5254.0  |
| 2667.1 | 7.5°  | 2866.4 | 3078.0 | 3349.3 | 3741.7 | 4179.4 | 4637.6 | 5095.8 | 5517.1  | 5712.3  | 5870.5  |
| 2227.4 | 10°   | 2424.6 | 2654.8 | 2997.9 | 3445.8 | 4037.6 | 4695.1 | 5328.0 | 5907.5  | 6160.2  | 6359.5  |
| 1910.9 | 12.5° | 2036.3 | 2252.0 | 2611.6 | 3106.8 | 3815.7 | 4649.9 | 5461.6 | 6158.1  | 6456.1  | 6680.1  |
| 1684.9 | 15°   | 1763.0 | 1915.0 | 2233.5 | 2767.8 | 3552.7 | 4504.1 | 5469.8 | 6277.3  | 6604.0  | 6838.3  |
| 1590.4 | 17.5° | 1610.9 | 1662.3 | 1869.8 | 2422.6 | 3260.9 | 4313.0 | 5393.8 | 6318.4  | 6667.7  | 6885.5  |
| 1506.1 | 20°   | 1528.7 | 1537.0 | 1594.5 | 1974.6 | 2887.0 | 4134.2 | 5321.9 | 6359.5  | 6727.3  | 6910.2  |
| 1446.6 | 22.5° | 1463.0 | 1463.0 | 1477.4 | 1615.0 | 2404.1 | 3920.5 | 5299.2 | 6431.4  | 6809.5  | 6922.5  |
| 1378.7 | 25°   | 1403.4 | 1403.4 | 1407.5 | 1444.5 | 1904.8 | 3593.8 | 5284.9 | 6542.4  | 6922.5  | 6953.3  |
| 1310.9 | 27.5° | 1341.8 | 1343.8 | 1343.8 | 1364.4 | 1534.9 | 3150.0 | 5223.2 | 6686.2  | 7058.1  | 6994.4  |
| 1245.2 | 30°   | 1280.1 | 1284.2 | 1284.2 | 1298.6 | 1358.2 | 2630.1 | 5102.0 | 6858.8  | 7234.8  | 7047.9  |
| 1179.4 | 32.5° | 1218.5 | 1222.6 | 1222.6 | 1234.9 | 1278.1 | 2100.0 | 4949.9 | 7017.0  | 7413.6  | 7070.5  |
| 1115.7 | 35°   | 1154.8 | 1160.9 | 1156.8 | 1173.3 | 1218.5 | 1670.5 | 4756.8 | 7175.3  | 7606.8  | 7142.4  |
| 1054.1 | 37.5° | 1091.1 | 1095.2 | 1093.1 | 1109.6 | 1160.9 | 1442.4 | 4532.8 | 7294.4  | 7869.8  | 7302.6  |
| 988.3  | 40°   | 1027.4 | 1025.3 | 1025.3 | 1043.8 | 1099.3 | 1376.7 | 4251.3 | 7483.5  | 8247.8  | 7584.2  |
| 922.6  | 42.5° | 961.6  | 961.6  | 957.5  | 978.1  | 1045.9 | 1327.4 | 3982.1 | 7822.5  | 8798.5  | 8032.1  |
| 860.9  | 45°   | 902.0  | 900.0  | 891.8  | 910.3  | 994.5  | 1241.1 | 3887.6 | 8455.4  | 9612.2  | 8757.4  |
| 799.3  | 47.5° | 844.5  | 842.5  | 821.9  | 838.3  | 932.9  | 1163.0 | 4241.0 | 9491.0  | 10740.3 | 9823.8  |
| 750.0  | 50°   | 793.1  | 795.2  | 756.2  | 770.5  | 871.2  | 1103.4 | 5007.5 | 10834.8 | 12238.2 | 11260.1 |
| 708.9  | 52.5° | 745.9  | 745.9  | 694.5  | 702.7  | 795.2  | 1050.0 | 5736.9 | 12291.6 | 14214.9 | 13263.5 |
| 665.7  | 55°   | 698.6  | 694.5  | 637.0  | 641.1  | 719.2  | 974.0  | 5845.8 | 13713.5 | 16910.7 | 16277.9 |
| 618.5  | 57.5° | 645.2  | 637.0  | 583.6  | 583.6  | 649.3  | 918.5  | 5067.1 | 14806.7 | 20255.9 | 20708.0 |
| 530.1  | 60°   | 579.4  | 573.3  | 538.3  | 528.1  | 593.8  | 967.8  | 3575.3 | 14934.1 | 22413.4 | 26599.0 |
| 421.2  | 62.5° | 495.2  | 503.4  | 484.9  | 470.5  | 540.4  | 1004.8 | 2118.5 | 13908.7 | 21891.5 | 28472.9 |
| 326.7  | 65°   | 390.4  | 423.3  | 419.2  | 408.9  | 593.8  | 846.6  | 1251.4 | 11940.3 | 20290.8 | 26960.6 |
| 285.6  | 67.5° | 332.9  | 355.5  | 349.3  | 349.3  | 622.6  | 643.1  | 787.0  | 9328.6  | 18088.1 | 25166.8 |
| 238.4  | 70°   | 283.6  | 306.2  | 283.6  | 283.6  | 470.5  | 390.4  | 544.5  | 6513.6  | 15710.8 | 23181.9 |
| 191.1  | 72.5° | 234.2  | 256.8  | 232.2  | 215.8  | 376.0  | 291.8  | 398.6  | 4070.5  | 13454.6 | 21114.8 |
| 135.6  | 75°   | 178.8  | 205.5  | 187.0  | 166.4  | 248.6  | 217.8  | 302.1  | 2365.0  | 11147.1 | 18065.5 |
| 82.2   | 77.5° | 113.0  | 147.9  | 139.7  | 117.1  | 182.9  | 158.2  | 217.8  | 1407.5  | 8601.3  | 14116.3 |
| 49.3   | 80°   | 69.9   | 76.0   | 78.1   | 74.0   | 104.8  | 106.8  | 147.9  | 801.4   | 5886.9  | 9838.2  |
| 30.8   | 82.5° | 45.2   | 45.2   | 34.9   | 39.0   | 51.4   | 61.6   | 84.2   | 302.1   | 3460.2  | 5989.7  |
| 18.5   | 85°   | 32.9   | 28.8   | 18.5   | 18.5   | 24.7   | 30.8   | 32.9   | 92.5    | 1403.4  | 2365.0  |
| 8.2    | 87.5° | 16.4   | 14.4   | 6.2    | 8.2    | 12.3   | 10.3   | 8.2    | 4.1     | 353.4   | 756.2   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4130.1  | 0°    | 4130.1  | 4130.1  | 4130.1  | 4130.1  | 4130.1  | 4130.1  | 4130.1  | 4130.1  |
| 4740.4  | 2.5°  | 4781.4  | 4845.1  | 4849.3  | 4849.3  | 4793.8  | 4791.7  | 4678.7  | 4666.4  |
| 5439.0  | 5°    | 5630.1  | 5671.2  | 5681.4  | 5660.9  | 5549.9  | 5467.7  | 5247.9  | 5200.6  |
| 6152.0  | 7.5°  | 6406.8  | 6489.0  | 6489.0  | 6439.6  | 6258.8  | 6090.3  | 5771.8  | 5652.7  |
| 6741.7  | 10°   | 7027.3  | 7121.8  | 7101.3  | 7000.6  | 6772.5  | 6540.3  | 6154.0  | 5997.9  |
| 7099.2  | 12.5° | 7329.4  | 7425.9  | 7372.5  | 7257.4  | 7035.5  | 6791.0  | 6384.2  | 6207.5  |
| 7202.0  | 15°   | 7323.2  | 7296.5  | 7241.0  | 7226.6  | 7119.8  | 6934.8  | 6554.7  | 6361.6  |
| 7138.3  | 17.5° | 7062.2  | 6836.2  | 6793.1  | 6936.9  | 7072.5  | 7027.3  | 6702.7  | 6521.8  |
| 6986.2  | 20°   | 6649.2  | 6254.7  | 6215.7  | 6491.0  | 6877.3  | 7074.6  | 6840.3  | 6673.9  |
| 6766.4  | 22.5° | 6213.6  | 5788.3  | 5697.9  | 6002.0  | 6583.5  | 7089.0  | 7015.0  | 6848.5  |
| 6523.9  | 25°   | 5800.6  | 5373.2  | 5282.8  | 5566.4  | 6256.8  | 7064.3  | 7204.0  | 7062.2  |
| 6291.7  | 27.5° | 5455.4  | 5042.4  | 4958.2  | 5241.7  | 5942.4  | 6994.4  | 7393.1  | 7292.4  |
| 6061.6  | 30°   | 5188.3  | 4806.1  | 4744.5  | 5017.7  | 5671.2  | 6908.1  | 7633.5  | 7578.0  |
| 5847.9  | 32.5° | 5032.1  | 4752.7  | 4775.3  | 4999.3  | 5525.3  | 6813.6  | 7863.6  | 7890.3  |
| 5743.1  | 35°   | 5186.2  | 5198.6  | 5395.8  | 5488.3  | 5660.9  | 6799.2  | 8175.9  | 8280.7  |
| 5868.4  | 37.5° | 5952.7  | 6380.1  | 6789.0  | 6712.9  | 6324.6  | 6965.7  | 8642.4  | 8837.6  |
| 6415.0  | 40°   | 7257.4  | 8134.8  | 8798.5  | 8508.8  | 7530.7  | 7475.2  | 9314.3  | 9606.0  |
| 7384.8  | 42.5° | 8851.9  | 10339.6 | 11432.7 | 10656.0 | 9086.2  | 8367.0  | 10273.8 | 10645.8 |
| 8558.1  | 45°   | 10534.8 | 13058.1 | 14780.0 | 13164.9 | 10744.4 | 9616.3  | 11726.6 | 12018.3 |
| 9657.4  | 47.5° | 12308.1 | 16362.1 | 18589.5 | 15947.1 | 12281.4 | 11038.2 | 13707.4 | 13775.2 |
| 10699.2 | 50°   | 14247.8 | 19984.7 | 22473.0 | 18727.2 | 13764.9 | 12667.6 | 16127.9 | 16049.8 |
| 11913.5 | 52.5° | 16095.0 | 23710.0 | 26274.3 | 21519.6 | 15067.6 | 14689.5 | 18936.7 | 18776.5 |
| 13573.8 | 55°   | 17858.0 | 27433.2 | 30098.3 | 24203.1 | 16296.4 | 17360.7 | 22273.7 | 21303.8 |
| 15967.6 | 57.5° | 19902.5 | 30780.4 | 34039.3 | 26899.0 | 18014.2 | 20829.2 | 26005.2 | 22770.9 |
| 20551.8 | 60°   | 22925.1 | 34583.8 | 38496.1 | 30593.5 | 21281.2 | 24474.4 | 27342.8 | 22491.5 |
| 26042.1 | 62.5° | 26783.9 | 38081.0 | 41736.5 | 34214.0 | 24562.7 | 25160.6 | 25372.3 | 20338.1 |
| 24922.3 | 65°   | 27533.9 | 38966.6 | 41919.3 | 35181.7 | 24139.4 | 21342.9 | 20714.1 | 16347.7 |
| 22261.4 | 67.5° | 25544.9 | 37366.0 | 39363.2 | 33379.7 | 21353.2 | 16493.6 | 15544.3 | 11860.1 |
| 20514.8 | 70°   | 23313.4 | 34314.6 | 34908.5 | 30316.1 | 18780.6 | 12131.4 | 10497.8 | 7610.9  |
| 19318.9 | 72.5° | 21026.4 | 30244.1 | 29015.4 | 26327.8 | 16506.0 | 8833.5  | 7571.8  | 5410.2  |
| 17615.5 | 75°   | 18310.0 | 24891.5 | 22855.2 | 21875.1 | 13666.3 | 6932.8  | 5478.0  | 3733.5  |
| 15151.9 | 77.5° | 14662.8 | 17521.0 | 16976.5 | 16956.0 | 10269.7 | 5065.0  | 3655.4  | 2340.4  |
| 11837.5 | 80°   | 10343.7 | 11371.1 | 11093.7 | 12770.4 | 6889.6  | 3673.9  | 2200.7  | 1302.7  |
| 8239.6  | 82.5° | 5007.5  | 6287.6  | 6454.0  | 7604.7  | 3351.3  | 2161.6  | 507.5   | 283.6   |
| 3221.9  | 85°   | 1960.2  | 3032.8  | 2558.2  | 2887.0  | 941.1   | 602.0   | 12.3    | 0.0     |
| 530.1   | 87.5° | 219.9   | 351.4   | 322.6   | 254.8   | 115.1   | 24.7    | 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)