

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: P953430

Luminaire Tested: **GALN-SB7A-727-U-SLR-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953430  
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-SB7A-727-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 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: 22583 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 199.1  
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

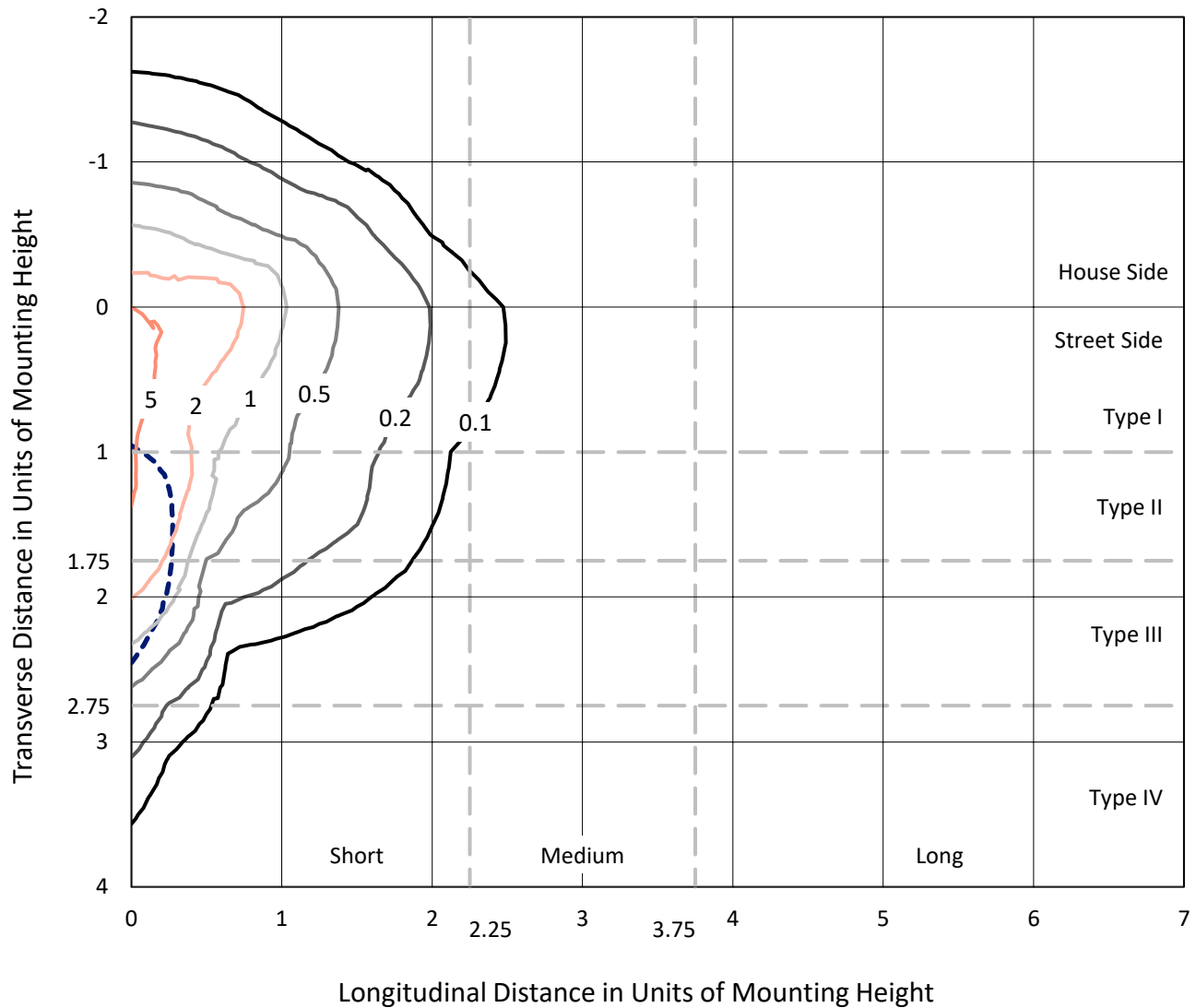


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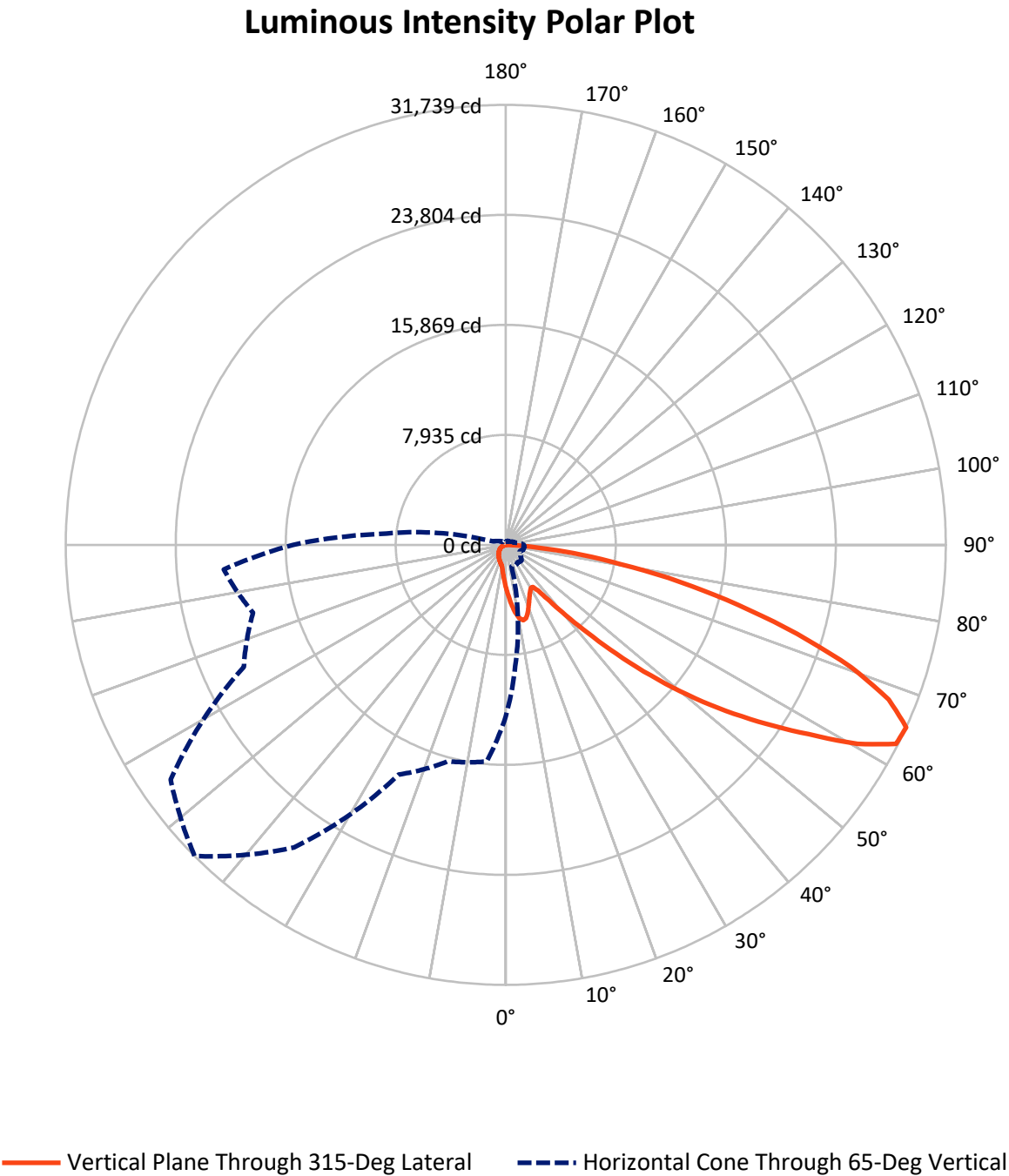
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
Type IV - Short - N/A

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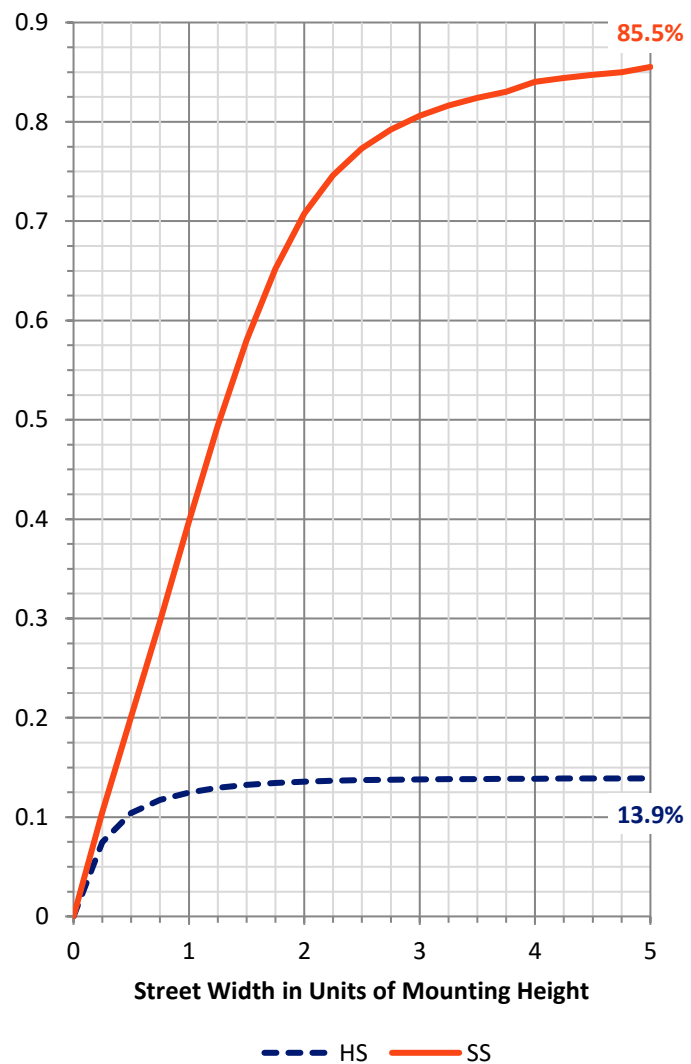
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3162.6   | 0.0    | 3162.6  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 19420.4  | 0.0    | 19420.4 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 22583.0  | 0.0    | 22583.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 307.9   | 1.4       |
| 10°-20°   | 922.9   | 4.1       |
| 20°-30°   | 1359.6  | 6.0       |
| 30°-40°   | 1746.7  | 7.7       |
| 40°-50°   | 2825.0  | 12.5      |
| 50°-60°   | 4953.9  | 21.9      |
| 60°-70°   | 6198.6  | 27.4      |
| 70°-80°   | 3622.2  | 16.0      |
| 80°-90°   | 646.3   | 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°    | 22583.0 | 100.0     |
| 0°-180°   | 22583.0 | 100.0     |

**Coefficient of Utilization**



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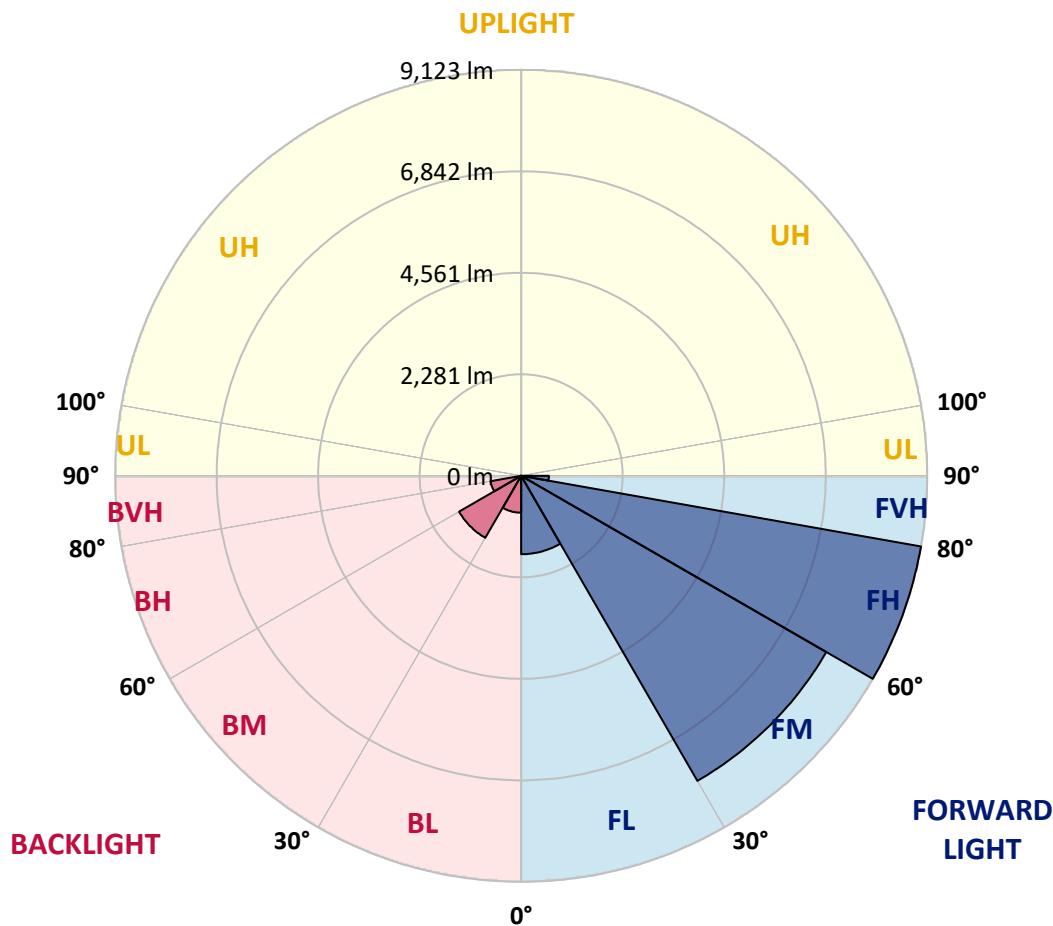
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1761.4 | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 7915.1 | 35.0      |                         |      |          |
| FH   | (60°-80°)   | 9122.5 | 40.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 621.4  | 2.8       |                         |      | G4/750   |
| BL   | (0°-30°)    | 829.0  | 3.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1610.5 | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 698.3  | 3.1       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 24.8   | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3127.0  | 3127.0  | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 |
| 2.5°  | 3533.1  | 3472.4  | 3436.6 | 3347.9 | 3259.3 | 3187.7 | 3091.2 | 3027.5 | 2951.2 | 2878.1 | 2812.8 |
| 5°    | 3937.6  | 3839.5  | 3721.3 | 3559.5 | 3411.7 | 3260.8 | 3114.6 | 2969.9 | 2817.4 | 2677.4 | 2591.9 |
| 7.5°  | 4279.8  | 4138.2  | 3929.8 | 3715.1 | 3526.8 | 3344.8 | 3173.7 | 2982.3 | 2797.2 | 2577.8 | 2461.2 |
| 10°   | 4541.2  | 4360.7  | 4086.9 | 3805.3 | 3589.1 | 3405.5 | 3239.0 | 3077.2 | 2890.6 | 2626.1 | 2479.8 |
| 12.5° | 4699.9  | 4507.0  | 4181.8 | 3852.0 | 3604.6 | 3399.3 | 3270.2 | 3198.6 | 3125.5 | 2862.5 | 2691.4 |
| 15°   | 4816.5  | 4608.1  | 4248.7 | 3884.7 | 3568.9 | 3316.8 | 3221.9 | 3293.5 | 3377.5 | 3209.5 | 3011.9 |
| 17.5° | 4937.9  | 4718.5  | 4335.8 | 3898.7 | 3472.4 | 3156.6 | 3116.1 | 3301.3 | 3495.7 | 3488.0 | 3291.9 |
| 20°   | 5053.0  | 4835.2  | 4412.1 | 3889.3 | 3316.8 | 2962.1 | 2997.9 | 3234.4 | 3459.9 | 3554.8 | 3449.1 |
| 22.5° | 5185.3  | 4955.0  | 4485.2 | 3853.6 | 3114.6 | 2780.1 | 2892.1 | 3128.6 | 3326.2 | 3438.2 | 3405.5 |
| 25°   | 5347.1  | 5105.9  | 4587.9 | 3800.7 | 2896.8 | 2629.2 | 2784.8 | 3005.7 | 3165.9 | 3243.7 | 3242.1 |
| 27.5° | 5521.3  | 5286.4  | 4724.8 | 3772.7 | 2721.0 | 2521.8 | 2663.4 | 2859.4 | 3002.6 | 3057.0 | 3057.0 |
| 30°   | 5737.5  | 5496.4  | 4886.6 | 3741.5 | 2605.9 | 2459.6 | 2537.4 | 2689.9 | 2829.9 | 2884.3 | 2884.3 |
| 32.5° | 5974.0  | 5729.8  | 5042.1 | 3666.9 | 2535.8 | 2412.9 | 2414.5 | 2511.0 | 2638.5 | 2703.9 | 2713.2 |
| 35°   | 6269.6  | 6009.8  | 5208.6 | 3503.5 | 2479.8 | 2358.5 | 2294.7 | 2341.4 | 2447.2 | 2525.0 | 2545.2 |
| 37.5° | 6691.2  | 6376.9  | 5412.4 | 3270.2 | 2397.4 | 2274.5 | 2168.7 | 2179.6 | 2260.5 | 2346.0 | 2377.2 |
| 40°   | 7273.1  | 6870.1  | 5652.0 | 3027.5 | 2279.1 | 2156.2 | 2030.2 | 2025.6 | 2084.7 | 2168.7 | 2202.9 |
| 42.5° | 8060.3  | 7522.0  | 5939.8 | 2795.7 | 2165.6 | 2013.1 | 1884.0 | 1876.2 | 1922.9 | 1996.0 | 2031.8 |
| 45°   | 9099.5  | 8355.8  | 6292.9 | 2596.5 | 2076.9 | 1873.1 | 1745.5 | 1742.4 | 1781.3 | 1845.1 | 1882.4 |
| 47.5° | 10429.6 | 9514.9  | 6646.1 | 2461.2 | 2030.2 | 1762.6 | 1632.0 | 1638.2 | 1672.4 | 1730.0 | 1756.4 |
| 50°   | 12151.8 | 11025.5 | 6753.4 | 2392.7 | 2030.2 | 1703.5 | 1530.8 | 1562.0 | 1590.0 | 1633.5 | 1649.1 |
| 52.5° | 14216.3 | 12475.4 | 6398.7 | 2330.5 | 2042.7 | 1711.3 | 1445.3 | 1512.2 | 1532.4 | 1569.7 | 1576.0 |
| 55°   | 16129.8 | 13186.4 | 5501.1 | 2244.9 | 2045.8 | 1759.5 | 1372.2 | 1471.7 | 1509.1 | 1523.1 | 1521.5 |
| 57.5° | 17240.6 | 12942.1 | 4447.8 | 2100.2 | 2033.3 | 1792.2 | 1325.5 | 1421.9 | 1493.5 | 1502.8 | 1488.8 |
| 60°   | 17029.1 | 12084.9 | 3274.8 | 1989.8 | 1941.6 | 1779.8 | 1311.5 | 1345.7 | 1459.3 | 1473.3 | 1454.6 |
| 62.5° | 15398.6 | 10647.4 | 2272.9 | 1904.2 | 1739.3 | 1725.3 | 1306.8 | 1225.9 | 1384.6 | 1418.8 | 1392.4 |
| 65°   | 12377.4 | 8382.3  | 1605.5 | 1639.7 | 1524.6 | 1607.1 | 1281.9 | 1101.5 | 1294.4 | 1341.0 | 1300.6 |
| 67.5° | 8979.7  | 5672.2  | 1159.0 | 1328.6 | 1381.5 | 1415.7 | 1225.9 | 1011.2 | 1191.7 | 1253.9 | 1201.0 |
| 70°   | 5762.4  | 3063.2  | 813.6  | 877.4  | 1163.7 | 1202.6 | 1129.5 | 930.3  | 1087.5 | 1159.0 | 1101.5 |
| 72.5° | 4096.2  | 1809.3  | 585.0  | 614.5  | 935.0  | 1001.9 | 994.1  | 840.1  | 966.1  | 1053.2 | 984.8  |
| 75°   | 2826.8  | 997.2   | 395.2  | 438.7  | 678.3  | 813.6  | 767.0  | 721.9  | 818.3  | 907.0  | 840.1  |
| 77.5° | 1772.0  | 446.5   | 236.5  | 304.9  | 444.9  | 639.4  | 525.8  | 558.5  | 637.9  | 720.3  | 650.3  |
| 80°   | 986.3   | 172.7   | 132.2  | 202.2  | 242.7  | 465.2  | 290.9  | 359.4  | 469.8  | 528.9  | 472.9  |
| 82.5° | 214.7   | 21.8    | 59.1   | 87.1   | 94.9   | 270.7  | 154.0  | 208.5  | 295.6  | 290.9  | 252.0  |
| 85°   | 0.0     | 0.0     | 10.9   | 12.4   | 6.2    | 116.7  | 56.0   | 68.5   | 96.5   | 90.2   | 68.5   |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.1    | 0.0    |
| 90°   | 0.0     | 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 |
| 2.5°  | 2800.3 | 2724.1 | 2668.1 | 2640.1 | 2616.7 | 2638.5 | 2651.0 | 2651.0 | 2703.9 | 2735.0 | 2747.4 |
| 5°    | 2537.4 | 2400.5 | 2296.3 | 2226.3 | 2184.2 | 2198.3 | 2213.8 | 2230.9 | 2297.8 | 2342.9 | 2372.5 |
| 7.5°  | 2355.4 | 2145.4 | 1986.7 | 1888.7 | 1837.3 | 1845.1 | 1856.0 | 1870.0 | 1935.3 | 1980.4 | 2019.3 |
| 10°   | 2321.2 | 2019.3 | 1795.3 | 1666.2 | 1604.0 | 1593.1 | 1586.8 | 1582.2 | 1621.1 | 1655.3 | 1686.4 |
| 12.5° | 2461.2 | 2025.6 | 1712.9 | 1555.7 | 1479.5 | 1446.8 | 1409.5 | 1379.9 | 1386.2 | 1407.9 | 1446.8 |
| 15°   | 2711.6 | 2104.9 | 1686.4 | 1498.2 | 1403.3 | 1348.8 | 1305.3 | 1269.5 | 1261.7 | 1269.5 | 1275.7 |
| 17.5° | 2997.9 | 2212.3 | 1683.3 | 1448.4 | 1330.2 | 1274.1 | 1238.4 | 1205.7 | 1194.8 | 1196.4 | 1204.1 |
| 20°   | 3187.7 | 2297.8 | 1674.0 | 1392.4 | 1260.1 | 1210.4 | 1179.2 | 1146.6 | 1135.7 | 1138.8 | 1140.4 |
| 22.5° | 3206.4 | 2342.9 | 1660.0 | 1330.2 | 1190.1 | 1148.1 | 1117.0 | 1087.5 | 1085.9 | 1085.9 | 1095.2 |
| 25°   | 3105.2 | 2342.9 | 1630.4 | 1274.1 | 1123.2 | 1085.9 | 1057.9 | 1022.1 | 1028.3 | 1031.5 | 1043.9 |
| 27.5° | 2948.1 | 2286.9 | 1574.4 | 1229.0 | 1065.7 | 1026.8 | 998.8  | 966.1  | 973.9  | 978.6  | 992.6  |
| 30°   | 2792.5 | 2215.4 | 1507.5 | 1177.7 | 1011.2 | 966.1  | 945.9  | 917.9  | 921.0  | 927.2  | 942.8  |
| 32.5° | 2647.9 | 2139.1 | 1428.2 | 1135.7 | 956.8  | 911.7  | 896.1  | 865.0  | 869.7  | 875.9  | 893.0  |
| 35°   | 2504.7 | 2055.1 | 1334.8 | 1085.9 | 907.0  | 861.9  | 849.4  | 813.6  | 816.8  | 826.1  | 844.8  |
| 37.5° | 2350.7 | 1966.4 | 1258.6 | 1036.1 | 858.8  | 812.1  | 799.6  | 762.3  | 765.4  | 776.3  | 798.1  |
| 40°   | 2188.9 | 1879.3 | 1183.9 | 983.2  | 807.4  | 760.8  | 749.9  | 709.4  | 712.5  | 725.0  | 748.3  |
| 42.5° | 2025.6 | 1784.4 | 1126.4 | 914.8  | 754.5  | 704.7  | 693.9  | 656.5  | 661.2  | 675.2  | 698.5  |
| 45°   | 1874.7 | 1670.9 | 1089.0 | 838.5  | 704.7  | 648.7  | 637.9  | 603.6  | 613.0  | 628.5  | 651.9  |
| 47.5° | 1745.5 | 1554.2 | 1073.5 | 774.8  | 651.9  | 591.2  | 581.8  | 553.8  | 569.4  | 586.5  | 605.2  |
| 50°   | 1635.1 | 1442.2 | 1053.2 | 709.4  | 602.1  | 541.4  | 532.1  | 513.4  | 533.6  | 550.7  | 567.8  |
| 52.5° | 1555.7 | 1314.6 | 1009.7 | 650.3  | 558.5  | 499.4  | 496.3  | 486.9  | 505.6  | 521.2  | 536.7  |
| 55°   | 1487.3 | 1182.4 | 939.7  | 599.0  | 519.6  | 463.6  | 466.7  | 462.1  | 477.6  | 490.1  | 504.1  |
| 57.5° | 1425.1 | 1067.2 | 851.0  | 558.5  | 477.6  | 432.5  | 441.8  | 435.6  | 443.4  | 451.2  | 468.3  |
| 60°   | 1350.4 | 950.6  | 745.2  | 513.4  | 427.8  | 401.4  | 412.3  | 395.2  | 393.6  | 396.7  | 401.4  |
| 62.5° | 1239.9 | 793.4  | 634.7  | 457.4  | 384.3  | 367.2  | 371.8  | 339.1  | 314.3  | 314.3  | 318.9  |
| 65°   | 1085.9 | 637.9  | 532.1  | 395.2  | 334.5  | 320.5  | 317.4  | 270.7  | 236.5  | 233.4  | 247.4  |
| 67.5° | 907.0  | 524.3  | 441.8  | 332.9  | 278.5  | 269.1  | 272.3  | 238.0  | 203.8  | 200.7  | 216.2  |
| 70°   | 739.0  | 434.0  | 356.3  | 266.0  | 214.7  | 224.0  | 238.0  | 203.8  | 171.1  | 166.5  | 180.5  |
| 72.5° | 600.5  | 345.4  | 278.5  | 203.8  | 158.7  | 185.1  | 202.2  | 166.5  | 135.3  | 132.2  | 144.7  |
| 75°   | 463.6  | 253.6  | 199.1  | 138.5  | 115.1  | 143.1  | 158.7  | 121.3  | 96.5   | 91.8   | 102.7  |
| 77.5° | 309.6  | 157.1  | 112.0  | 87.1   | 68.5   | 98.0   | 105.8  | 63.8   | 56.0   | 54.5   | 62.2   |
| 80°   | 188.2  | 73.1   | 48.2   | 42.0   | 23.3   | 35.8   | 42.0   | 26.4   | 29.6   | 31.1   | 37.3   |
| 82.5° | 94.9   | 20.2   | 7.8    | 1.6    | 0.0    | 0.0    | 12.4   | 6.2    | 12.4   | 15.6   | 23.3   |
| 85°   | 7.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.1    | 7.8    | 14.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 6.2    |
| 90°   | 0.0    | 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    | 285°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0 | 3127.0  | 3127.0  | 3127.0  | 3127.0  |
| 2.5°  | 2834.5 | 2899.9 | 2962.1 | 3061.7 | 3164.4 | 3265.5 | 3368.2 | 3467.7  | 3503.5  | 3530.0  | 3589.1  |
| 5°    | 2507.8 | 2630.7 | 2773.9 | 2971.4 | 3183.0 | 3400.8 | 3621.7 | 3824.0  | 3915.8  | 3978.0  | 4118.0  |
| 7.5°  | 2170.2 | 2330.5 | 2535.8 | 2833.0 | 3164.4 | 3511.3 | 3858.2 | 4177.1  | 4324.9  | 4444.7  | 4657.9  |
| 10°   | 1835.8 | 2010.0 | 2269.8 | 2609.0 | 3057.0 | 3554.8 | 4034.0 | 4472.7  | 4664.1  | 4815.0  | 5104.4  |
| 12.5° | 1541.7 | 1705.1 | 1977.3 | 2352.3 | 2889.0 | 3520.6 | 4135.1 | 4662.5  | 4888.1  | 5057.7  | 5375.1  |
| 15°   | 1334.8 | 1449.9 | 1691.1 | 2095.6 | 2689.9 | 3410.2 | 4141.4 | 4752.8  | 5000.1  | 5177.5  | 5452.8  |
| 17.5° | 1219.7 | 1258.6 | 1415.7 | 1834.2 | 2468.9 | 3265.5 | 4083.8 | 4783.9  | 5048.4  | 5213.3  | 5404.6  |
| 20°   | 1157.5 | 1163.7 | 1207.2 | 1495.1 | 2185.8 | 3130.1 | 4029.3 | 4815.0  | 5093.5  | 5231.9  | 5289.5  |
| 22.5° | 1107.7 | 1107.7 | 1118.6 | 1222.8 | 1820.2 | 2968.3 | 4012.2 | 4869.4  | 5155.7  | 5241.3  | 5123.0  |
| 25°   | 1062.6 | 1062.6 | 1065.7 | 1093.7 | 1442.2 | 2721.0 | 4001.3 | 4953.5  | 5241.3  | 5264.6  | 4939.5  |
| 27.5° | 1015.9 | 1017.4 | 1017.4 | 1033.0 | 1162.1 | 2384.9 | 3954.7 | 5062.4  | 5343.9  | 5295.7  | 4763.7  |
| 30°   | 969.2  | 972.3  | 972.3  | 983.2  | 1028.3 | 1991.3 | 3862.9 | 5193.0  | 5477.7  | 5336.2  | 4589.4  |
| 32.5° | 922.5  | 925.7  | 925.7  | 935.0  | 967.7  | 1590.0 | 3747.8 | 5312.8  | 5613.1  | 5353.3  | 4427.6  |
| 35°   | 874.3  | 879.0  | 875.9  | 888.3  | 922.5  | 1264.8 | 3601.5 | 5432.6  | 5759.3  | 5407.7  | 4348.3  |
| 37.5° | 826.1  | 829.2  | 827.6  | 840.1  | 879.0  | 1092.1 | 3431.9 | 5522.9  | 5958.5  | 5529.1  | 4443.2  |
| 40°   | 777.9  | 776.3  | 776.3  | 790.3  | 832.3  | 1042.3 | 3218.8 | 5666.0  | 6244.7  | 5742.2  | 4857.0  |
| 42.5° | 728.1  | 728.1  | 725.0  | 740.5  | 791.9  | 1005.0 | 3015.0 | 5922.7  | 6661.6  | 6081.4  | 5591.3  |
| 45°   | 683.0  | 681.4  | 675.2  | 689.2  | 753.0  | 939.7  | 2943.4 | 6401.8  | 7277.7  | 6630.5  | 6479.6  |
| 47.5° | 639.4  | 637.9  | 622.3  | 634.7  | 706.3  | 880.5  | 3211.0 | 7185.9  | 8131.8  | 7438.0  | 7311.9  |
| 50°   | 600.5  | 602.1  | 572.5  | 583.4  | 659.6  | 835.4  | 3791.3 | 8203.4  | 9265.9  | 8525.4  | 8100.7  |
| 52.5° | 564.7  | 564.7  | 525.8  | 532.1  | 602.1  | 795.0  | 4343.6 | 9306.4  | 10762.6 | 10042.3 | 9020.1  |
| 55°   | 528.9  | 525.8  | 482.3  | 485.4  | 544.5  | 737.4  | 4426.1 | 10383.0 | 12803.7 | 12324.5 | 10277.2 |
| 57.5° | 488.5  | 482.3  | 441.8  | 441.8  | 491.6  | 695.4  | 3836.4 | 11210.6 | 15336.4 | 15678.7 | 12089.6 |
| 60°   | 438.7  | 434.0  | 407.6  | 399.8  | 449.6  | 732.8  | 2707.0 | 11307.1 | 16969.9 | 20139.0 | 15560.4 |
| 62.5° | 374.9  | 381.2  | 367.2  | 356.3  | 409.2  | 760.8  | 1604.0 | 10530.8 | 16574.8 | 21557.8 | 19717.4 |
| 65°   | 295.6  | 320.5  | 317.4  | 309.6  | 449.6  | 641.0  | 947.4  | 9040.4  | 15362.9 | 20412.8 | 18869.5 |
| 67.5° | 252.0  | 269.1  | 264.5  | 264.5  | 471.4  | 486.9  | 595.8  | 7063.0  | 13695.1 | 19054.6 | 16854.8 |
| 70°   | 214.7  | 231.8  | 214.7  | 214.7  | 356.3  | 295.6  | 412.3  | 4931.7  | 11895.1 | 17551.8 | 15532.4 |
| 72.5° | 177.4  | 194.5  | 175.8  | 163.4  | 284.7  | 220.9  | 301.8  | 3081.9  | 10186.9 | 15986.7 | 14627.0 |
| 75°   | 135.3  | 155.6  | 141.6  | 126.0  | 188.2  | 164.9  | 228.7  | 1790.6  | 8439.9  | 13678.0 | 13337.3 |
| 77.5° | 85.6   | 112.0  | 105.8  | 88.7   | 138.5  | 119.8  | 164.9  | 1065.7  | 6512.3  | 10687.9 | 11472.0 |
| 80°   | 52.9   | 57.6   | 59.1   | 56.0   | 79.3   | 80.9   | 112.0  | 606.7   | 4457.2  | 7448.8  | 8962.6  |
| 82.5° | 34.2   | 34.2   | 26.4   | 29.6   | 38.9   | 46.7   | 63.8   | 228.7   | 2619.9  | 4535.0  | 6238.5  |
| 85°   | 24.9   | 21.8   | 14.0   | 14.0   | 18.7   | 23.3   | 24.9   | 70.0    | 1062.6  | 1790.6  | 2439.4  |
| 87.5° | 12.4   | 10.9   | 4.7    | 6.2    | 9.3    | 7.8    | 6.2    | 3.1     | 267.6   | 572.5   | 401.4   |
| 90°   | 0.0    | 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):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3127.0  | 3127.0  | 3127.0  | 3127.0  | 3127.0  | 3127.0  | 3127.0  | 3127.0  |
| 2.5°  | 3620.2  | 3668.4  | 3671.5  | 3671.5  | 3629.5  | 3628.0  | 3542.4  | 3533.1  |
| 5°    | 4262.7  | 4293.8  | 4301.6  | 4286.0  | 4202.0  | 4139.8  | 3973.3  | 3937.6  |
| 7.5°  | 4850.8  | 4913.0  | 4913.0  | 4875.7  | 4738.8  | 4611.2  | 4370.1  | 4279.8  |
| 10°   | 5320.6  | 5392.2  | 5376.6  | 5300.4  | 5127.7  | 4951.9  | 4659.4  | 4541.2  |
| 12.5° | 5549.3  | 5622.4  | 5582.0  | 5494.8  | 5326.8  | 5141.7  | 4833.7  | 4699.9  |
| 15°   | 5544.6  | 5524.4  | 5482.4  | 5471.5  | 5390.6  | 5250.6  | 4962.8  | 4816.5  |
| 17.5° | 5347.1  | 5175.9  | 5143.3  | 5252.2  | 5354.8  | 5320.6  | 5074.8  | 4937.9  |
| 20°   | 5034.4  | 4735.7  | 4706.1  | 4914.6  | 5207.0  | 5356.4  | 5179.0  | 5053.0  |
| 22.5° | 4704.5  | 4382.5  | 4314.0  | 4544.3  | 4984.6  | 5367.3  | 5311.3  | 5185.3  |
| 25°   | 4391.8  | 4068.2  | 3999.8  | 4214.5  | 4737.2  | 5348.6  | 5454.4  | 5347.1  |
| 27.5° | 4130.5  | 3817.8  | 3754.0  | 3968.7  | 4499.2  | 5295.7  | 5597.5  | 5521.3  |
| 30°   | 3928.2  | 3638.9  | 3592.2  | 3799.1  | 4293.8  | 5230.4  | 5779.5  | 5737.5  |
| 32.5° | 3810.0  | 3598.4  | 3615.5  | 3785.1  | 4183.4  | 5158.8  | 5953.8  | 5974.0  |
| 35°   | 3926.7  | 3936.0  | 4085.4  | 4155.4  | 4286.0  | 5147.9  | 6190.3  | 6269.6  |
| 37.5° | 4507.0  | 4830.6  | 5140.1  | 5082.6  | 4788.5  | 5273.9  | 6543.4  | 6691.2  |
| 40°   | 5494.8  | 6159.1  | 6661.6  | 6442.3  | 5701.8  | 5659.8  | 7052.1  | 7273.1  |
| 42.5° | 6702.1  | 7828.4  | 8656.1  | 8068.0  | 6879.5  | 6334.9  | 7778.7  | 8060.3  |
| 45°   | 7976.2  | 9886.7  | 11190.4 | 9967.6  | 8134.9  | 7280.8  | 8878.6  | 9099.5  |
| 47.5° | 9318.8  | 12388.3 | 14074.7 | 12074.0 | 9298.6  | 8357.4  | 10378.3 | 10429.6 |
| 50°   | 10787.5 | 15131.1 | 17015.0 | 14178.9 | 10421.9 | 9591.1  | 12210.9 | 12151.8 |
| 52.5° | 12186.1 | 17951.6 | 19893.2 | 16293.2 | 11408.2 | 11121.9 | 14337.6 | 14216.3 |
| 55°   | 13520.9 | 20770.6 | 22788.4 | 18325.0 | 12338.5 | 13144.4 | 16864.1 | 16129.8 |
| 57.5° | 15068.8 | 23304.9 | 25772.3 | 20366.1 | 13639.1 | 15770.5 | 19689.4 | 17240.6 |
| 60°   | 17357.3 | 26184.5 | 29146.7 | 23163.3 | 16112.7 | 18530.3 | 20702.1 | 17029.1 |
| 62.5° | 20279.0 | 28832.4 | 31600.0 | 25904.5 | 18597.2 | 19049.9 | 19210.2 | 15398.6 |
| 65°   | 20846.8 | 29502.9 | 31738.5 | 26637.3 | 18276.7 | 16159.4 | 15683.3 | 12377.4 |
| 67.5° | 19340.9 | 28291.0 | 29803.2 | 25272.9 | 16167.2 | 12487.9 | 11769.1 | 8979.7  |
| 70°   | 17651.3 | 25980.7 | 26430.3 | 22953.3 | 14219.4 | 9185.0  | 7948.2  | 5762.4  |
| 72.5° | 15919.8 | 22898.8 | 21968.5 | 19933.6 | 12497.2 | 6688.1  | 5732.9  | 4096.2  |
| 75°   | 13863.1 | 18846.1 | 17304.4 | 16562.3 | 10347.2 | 5249.0  | 4147.6  | 2826.8  |
| 77.5° | 11101.7 | 13265.7 | 12853.5 | 12837.9 | 7775.6  | 3834.9  | 2767.6  | 1772.0  |
| 80°   | 7831.6  | 8609.4  | 8399.4  | 9668.9  | 5216.4  | 2781.7  | 1666.2  | 986.3   |
| 82.5° | 3791.3  | 4760.5  | 4886.6  | 5757.8  | 2537.4  | 1636.6  | 384.3   | 214.7   |
| 85°   | 1484.2  | 2296.3  | 1936.9  | 2185.8  | 712.5   | 455.8   | 9.3     | 0.0     |
| 87.5° | 166.5   | 266.0   | 244.3   | 192.9   | 87.1    | 18.7    | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)