

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: P939056

Luminaire Tested: **GALN-SB1C-722-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4854 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 54.4  
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

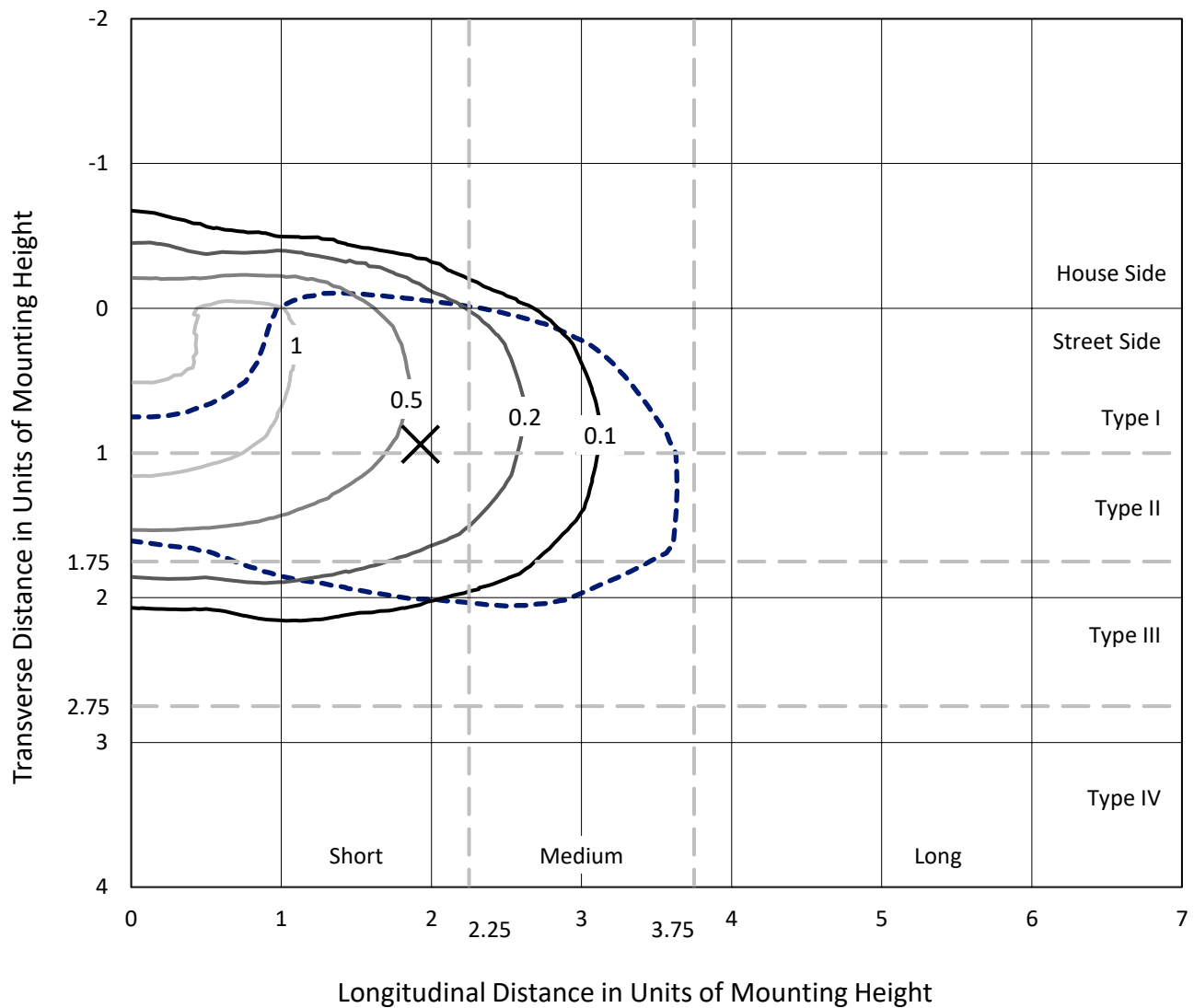


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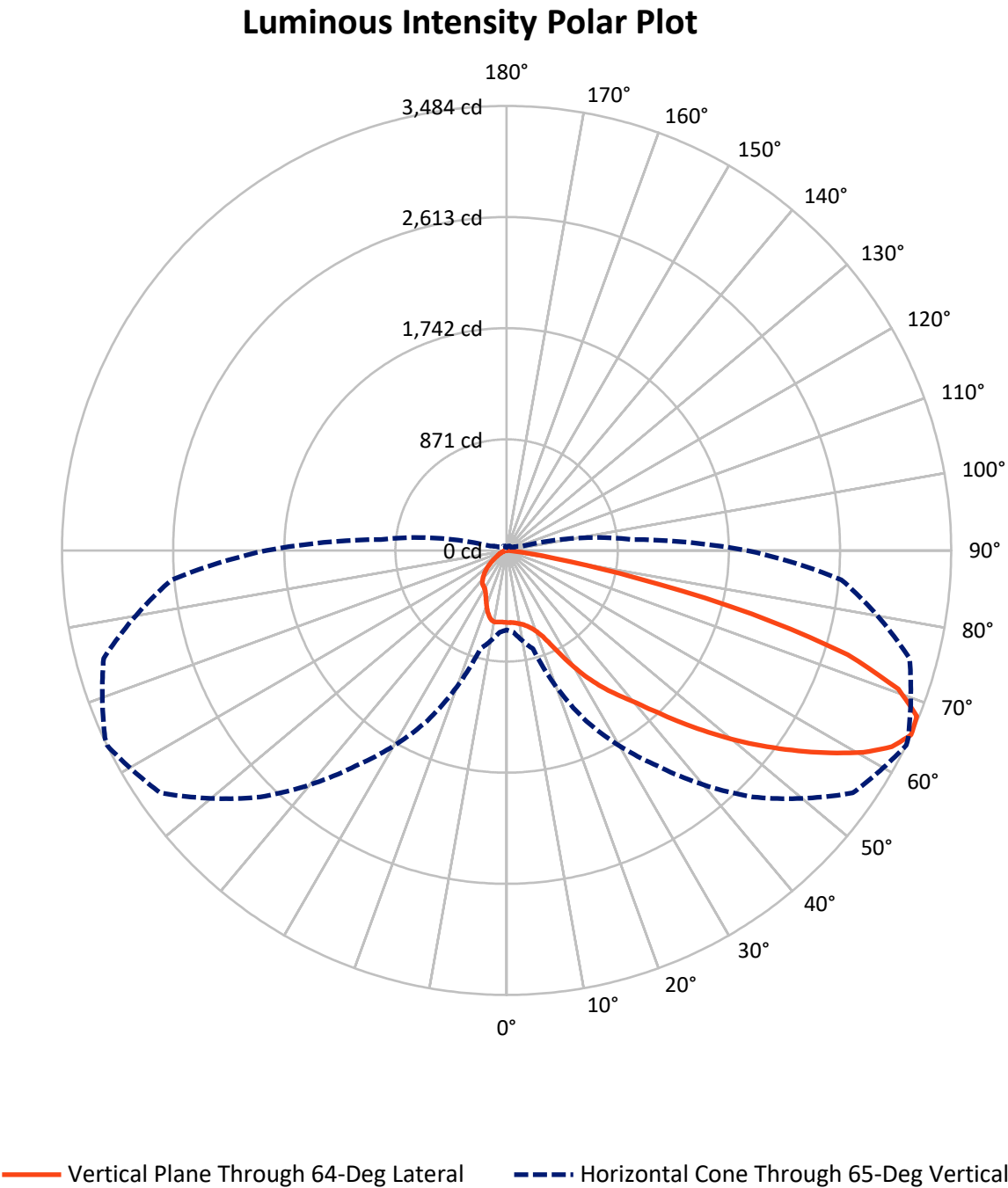
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
Type III - Short - N/A

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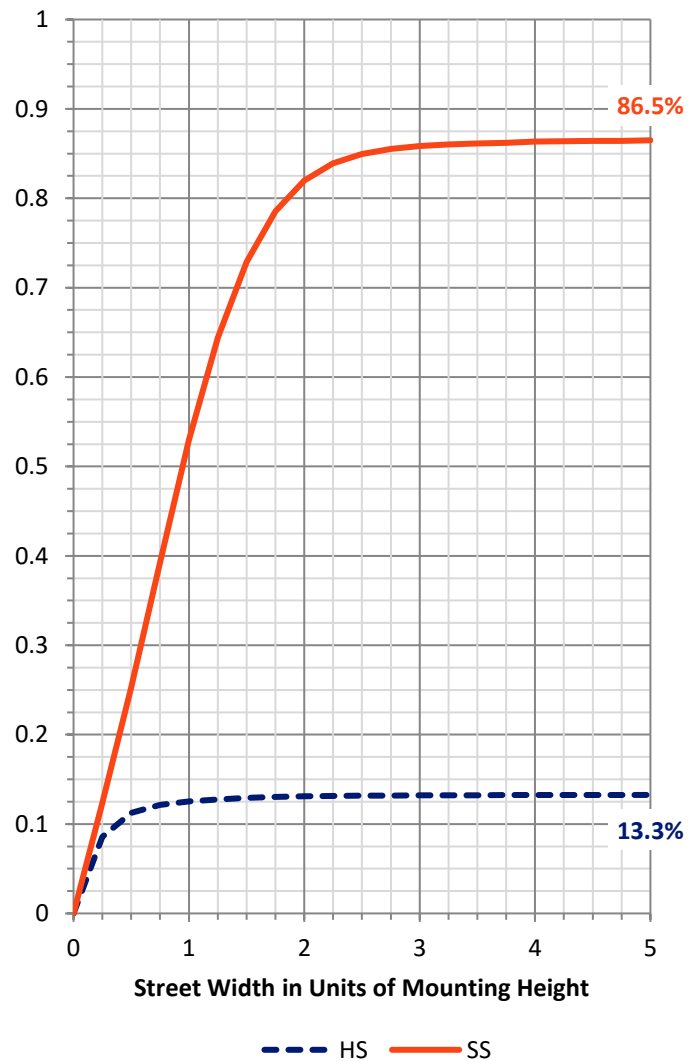
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 649.1    | 0.0    | 649.1  |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 4204.9   | 0.0    | 4204.9 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 4854.0   | 0.0    | 4854.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.1   | 1.1       |
| 10°-20°   | 141.3  | 2.9       |
| 20°-30°   | 267.7  | 5.5       |
| 30°-40°   | 541.7  | 11.2      |
| 40°-50°   | 922.8  | 19.0      |
| 50°-60°   | 1254.9 | 25.9      |
| 60°-70°   | 1178.5 | 24.3      |
| 70°-80°   | 472.1  | 9.7       |
| 80°-90°   | 22.9   | 0.5       |
| 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°    | 4854.0 | 100.0     |
| 0°-180°   | 4854.0 | 100.0     |

**Coefficient of Utilization**



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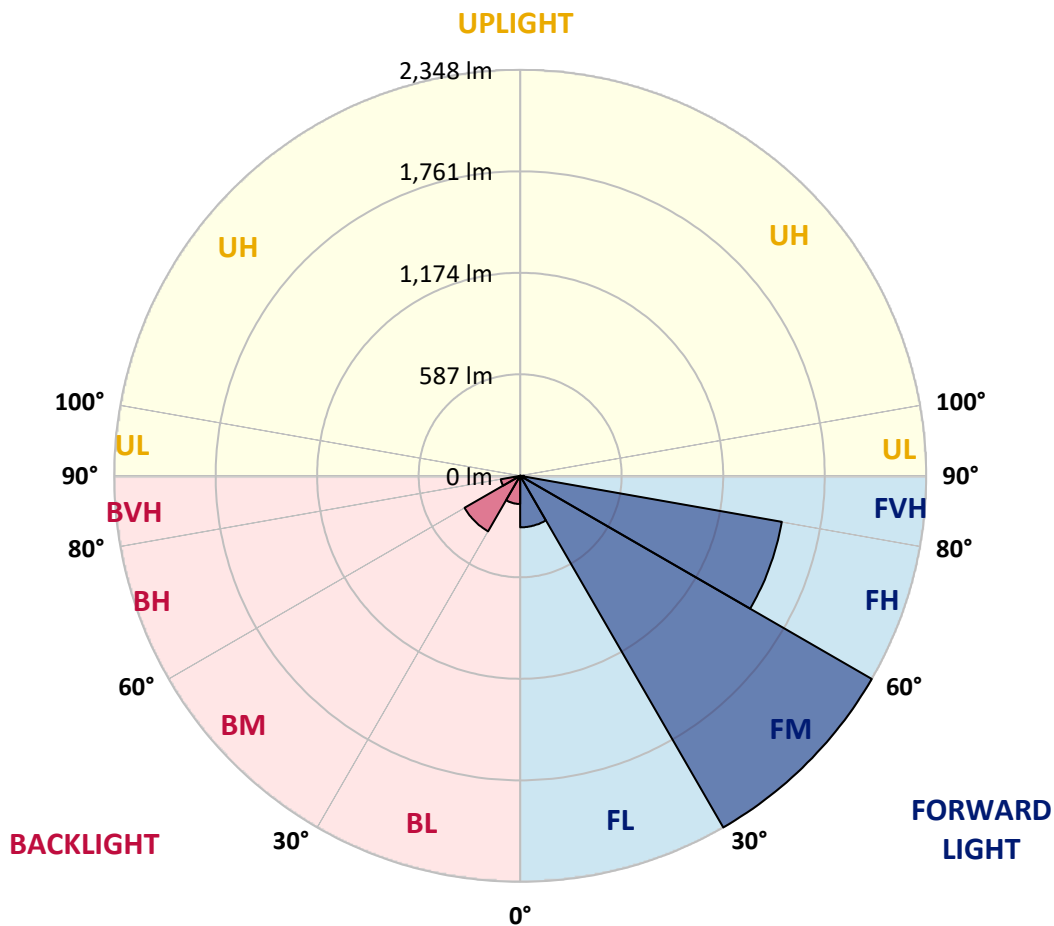
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 298.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 2348.4 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 1536.7 | 31.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 21.8   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 163.0  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 371.1  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 113.9  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.1    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  | 564.6  |
| 2.5°  | 562.6  | 566.5  | 565.5  | 564.6  | 564.2  | 564.9  | 565.2  | 564.9  | 564.9  | 564.9  | 565.2  |
| 5°    | 551.9  | 555.1  | 555.1  | 557.4  | 560.7  | 564.6  | 567.5  | 568.2  | 568.8  | 569.8  | 569.5  |
| 7.5°  | 531.4  | 534.0  | 535.9  | 543.4  | 551.6  | 562.0  | 570.8  | 575.3  | 576.0  | 579.5  | 580.8  |
| 10°   | 517.4  | 520.6  | 523.9  | 531.7  | 543.4  | 559.0  | 574.0  | 585.1  | 586.7  | 595.2  | 599.1  |
| 12.5° | 516.7  | 520.0  | 524.2  | 532.7  | 546.3  | 562.9  | 581.2  | 597.1  | 600.0  | 612.4  | 620.5  |
| 15°   | 523.6  | 527.5  | 531.4  | 541.8  | 556.4  | 576.6  | 596.1  | 616.0  | 618.9  | 636.5  | 645.3  |
| 17.5° | 537.6  | 542.8  | 545.7  | 556.1  | 571.7  | 594.2  | 619.9  | 642.7  | 645.3  | 665.8  | 676.8  |
| 20°   | 565.2  | 571.4  | 572.4  | 580.8  | 596.1  | 620.2  | 650.8  | 679.1  | 682.4  | 705.8  | 718.2  |
| 22.5° | 622.5  | 631.3  | 623.5  | 627.7  | 641.4  | 665.4  | 698.6  | 734.4  | 739.0  | 765.7  | 776.7  |
| 25°   | 723.4  | 735.7  | 715.6  | 708.4  | 714.3  | 739.3  | 781.0  | 826.2  | 831.4  | 852.9  | 858.4  |
| 27.5° | 921.5  | 905.6  | 875.0  | 845.1  | 827.5  | 841.8  | 888.7  | 944.6  | 951.1  | 972.0  | 965.5  |
| 30°   | 1139.2 | 1125.2 | 1083.9 | 1017.5 | 975.9  | 973.6  | 1016.9 | 1079.4 | 1086.8 | 1106.7 | 1086.8 |
| 32.5° | 1357.2 | 1343.9 | 1299.0 | 1217.3 | 1145.1 | 1109.3 | 1139.2 | 1208.5 | 1212.4 | 1225.1 | 1195.8 |
| 35°   | 1571.7 | 1558.0 | 1513.1 | 1429.5 | 1340.7 | 1259.3 | 1253.4 | 1331.5 | 1332.8 | 1346.2 | 1302.6 |
| 37.5° | 1787.4 | 1776.0 | 1728.2 | 1646.2 | 1558.7 | 1446.4 | 1392.1 | 1448.0 | 1449.7 | 1462.7 | 1417.4 |
| 40°   | 1941.3 | 1946.2 | 1913.4 | 1849.9 | 1774.7 | 1652.1 | 1547.6 | 1572.0 | 1562.2 | 1584.1 | 1557.0 |
| 42.5° | 2073.5 | 2083.2 | 2054.6 | 2022.7 | 1979.1 | 1871.1 | 1740.2 | 1736.0 | 1720.4 | 1732.1 | 1704.1 |
| 45°   | 2187.7 | 2195.8 | 2170.1 | 2162.6 | 2161.6 | 2085.8 | 1950.8 | 1925.4 | 1903.6 | 1901.3 | 1867.8 |
| 47.5° | 2229.6 | 2245.3 | 2256.3 | 2281.4 | 2330.2 | 2298.3 | 2168.5 | 2129.1 | 2104.7 | 2086.8 | 2033.8 |
| 50°   | 2245.6 | 2262.2 | 2299.9 | 2372.8 | 2488.3 | 2502.0 | 2385.2 | 2340.9 | 2311.0 | 2278.5 | 2200.4 |
| 52.5° | 2224.1 | 2253.7 | 2304.5 | 2427.2 | 2594.7 | 2665.4 | 2593.1 | 2554.4 | 2520.2 | 2467.2 | 2351.3 |
| 55°   | 2097.5 | 2127.1 | 2230.9 | 2426.5 | 2647.8 | 2779.9 | 2789.7 | 2772.4 | 2734.0 | 2650.4 | 2473.4 |
| 57.5° | 1830.7 | 1874.6 | 2039.0 | 2343.9 | 2646.8 | 2878.5 | 2982.3 | 2994.7 | 2951.7 | 2832.0 | 2569.4 |
| 60°   | 1461.1 | 1520.6 | 1721.0 | 2160.7 | 2565.1 | 2931.9 | 3151.2 | 3213.0 | 3167.5 | 3010.9 | 2647.1 |
| 62.5° | 1019.5 | 1088.5 | 1278.2 | 1873.7 | 2378.4 | 2893.5 | 3274.5 | 3388.7 | 3354.2 | 3171.0 | 2677.1 |
| 65°   | 621.8  | 644.0  | 796.9  | 1474.4 | 2060.8 | 2732.7 | 3312.6 | 3483.7 | 3472.4 | 3269.0 | 2632.8 |
| 67.5° | 414.2  | 432.8  | 476.7  | 1011.0 | 1599.7 | 2411.5 | 3221.5 | 3467.1 | 3470.4 | 3253.0 | 2470.8 |
| 70°   | 249.6  | 265.5  | 294.2  | 588.0  | 1036.7 | 1908.8 | 2939.3 | 3255.6 | 3274.5 | 3039.9 | 2163.6 |
| 72.5° | 102.8  | 113.6  | 139.6  | 266.5  | 536.9  | 1211.5 | 2340.6 | 2795.2 | 2839.1 | 2556.0 | 1660.5 |
| 75°   | 58.2   | 63.8   | 82.0   | 133.7  | 233.0  | 564.6  | 1417.8 | 1984.3 | 2049.0 | 1761.7 | 999.0  |
| 77.5° | 38.7   | 41.3   | 53.0   | 86.6   | 131.1  | 192.6  | 605.9  | 1033.8 | 1157.5 | 962.2  | 432.5  |
| 80°   | 26.0   | 28.3   | 36.4   | 57.9   | 85.3   | 82.7   | 193.0  | 383.0  | 471.2  | 330.6  | 105.4  |
| 82.5° | 17.6   | 17.9   | 26.0   | 38.1   | 54.0   | 40.0   | 56.9   | 119.1  | 149.7  | 95.7   | 40.0   |
| 85°   | 10.1   | 9.8    | 19.2   | 22.1   | 24.1   | 16.6   | 17.2   | 35.8   | 46.9   | 40.3   | 22.8   |
| 87.5° | 1.3    | 2.0    | 7.5    | 5.9    | 3.3    | 3.6    | 3.6    | 6.2    | 9.1    | 9.8    | 4.9    |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 564.6  | 564.6  | 564.6 | 564.6 | 564.6 | 564.6 | 564.6 | 564.6 | 564.6 | 564.6 | 564.6 |
| 2.5°  | 565.2  | 564.9  | 563.9 | 562.9 | 560.7 | 559.4 | 560.0 | 559.4 | 559.0 | 559.4 | 560.7 |
| 5°    | 569.5  | 568.5  | 565.9 | 562.6 | 558.1 | 552.5 | 549.0 | 543.7 | 538.9 | 535.9 | 536.6 |
| 7.5°  | 580.8  | 579.9  | 576.3 | 567.2 | 552.5 | 529.4 | 508.3 | 489.7 | 475.7 | 467.6 | 467.9 |
| 10°   | 599.1  | 597.4  | 591.9 | 571.7 | 533.3 | 482.9 | 440.9 | 406.1 | 383.3 | 372.6 | 371.6 |
| 12.5° | 620.5  | 618.6  | 608.8 | 567.5 | 496.9 | 418.1 | 360.2 | 321.5 | 300.3 | 290.9 | 289.9 |
| 15°   | 645.9  | 643.3  | 624.1 | 547.3 | 443.8 | 346.6 | 293.5 | 264.6 | 250.9 | 242.4 | 242.7 |
| 17.5° | 677.5  | 672.9  | 635.5 | 517.1 | 386.3 | 291.9 | 252.5 | 230.7 | 218.7 | 210.5 | 209.9 |
| 20°   | 718.5  | 711.0  | 644.6 | 480.9 | 333.2 | 257.4 | 224.9 | 206.6 | 197.5 | 190.4 | 189.1 |
| 22.5° | 775.8  | 765.0  | 655.7 | 441.9 | 295.8 | 233.6 | 204.4 | 191.0 | 183.5 | 175.4 | 174.1 |
| 25°   | 846.7  | 834.0  | 669.3 | 405.8 | 270.1 | 213.1 | 189.4 | 178.3 | 169.5 | 160.1 | 159.1 |
| 27.5° | 945.9  | 923.2  | 685.6 | 376.2 | 248.0 | 195.6 | 175.7 | 163.4 | 153.3 | 145.5 | 143.8 |
| 30°   | 1056.6 | 1019.2 | 699.9 | 358.3 | 227.8 | 179.3 | 157.8 | 145.5 | 136.0 | 130.5 | 129.5 |
| 32.5° | 1161.4 | 1110.6 | 709.4 | 350.5 | 209.6 | 160.7 | 138.3 | 125.0 | 117.8 | 116.2 | 117.1 |
| 35°   | 1260.3 | 1193.2 | 708.4 | 343.0 | 193.3 | 142.2 | 119.1 | 105.4 | 99.9  | 100.9 | 100.9 |
| 37.5° | 1374.2 | 1281.4 | 701.6 | 331.3 | 179.9 | 125.3 | 102.5 | 90.5  | 85.6  | 85.9  | 87.2  |
| 40°   | 1506.6 | 1383.3 | 697.3 | 309.1 | 165.3 | 109.7 | 88.8  | 79.1  | 75.5  | 74.2  | 73.9  |
| 42.5° | 1647.8 | 1481.9 | 698.0 | 284.1 | 147.1 | 95.7  | 79.4  | 71.3  | 68.0  | 67.0  | 66.7  |
| 45°   | 1789.7 | 1575.9 | 699.0 | 258.0 | 127.9 | 84.9  | 72.6  | 65.7  | 63.8  | 62.5  | 62.5  |
| 47.5° | 1923.1 | 1656.0 | 680.7 | 230.1 | 109.0 | 76.8  | 67.0  | 62.5  | 60.8  | 59.2  | 59.2  |
| 50°   | 2047.4 | 1709.3 | 636.8 | 197.5 | 94.0  | 70.3  | 62.8  | 59.5  | 57.9  | 56.3  | 56.3  |
| 52.5° | 2144.1 | 1717.8 | 564.2 | 164.0 | 83.6  | 65.4  | 60.2  | 57.3  | 55.3  | 53.7  | 53.4  |
| 55°   | 2187.0 | 1664.8 | 461.1 | 132.8 | 75.5  | 61.2  | 57.6  | 54.7  | 52.4  | 50.8  | 50.4  |
| 57.5° | 2176.0 | 1553.1 | 359.6 | 106.7 | 67.7  | 56.9  | 54.3  | 52.4  | 49.8  | 47.2  | 46.9  |
| 60°   | 2121.6 | 1403.8 | 271.1 | 88.8  | 60.5  | 52.4  | 50.8  | 49.1  | 45.6  | 41.7  | 41.0  |
| 62.5° | 2027.6 | 1216.0 | 193.3 | 73.5  | 52.7  | 47.2  | 46.5  | 45.2  | 40.0  | 32.9  | 32.2  |
| 65°   | 1883.7 | 987.9  | 130.2 | 61.2  | 45.2  | 41.3  | 41.7  | 39.4  | 32.5  | 24.4  | 23.8  |
| 67.5° | 1673.5 | 722.4  | 83.3  | 50.1  | 37.7  | 34.5  | 34.8  | 33.5  | 27.7  | 20.8  | 19.8  |
| 70°   | 1405.7 | 478.3  | 54.3  | 38.1  | 30.3  | 26.7  | 28.6  | 29.0  | 23.4  | 16.9  | 16.3  |
| 72.5° | 1030.5 | 282.4  | 38.1  | 28.3  | 22.1  | 18.5  | 23.4  | 24.1  | 18.9  | 12.7  | 12.0  |
| 75°   | 587.3  | 134.1  | 28.6  | 20.5  | 13.7  | 13.0  | 18.2  | 18.2  | 13.0  | 8.5   | 7.8   |
| 77.5° | 246.7  | 56.0   | 20.2  | 13.3  | 7.8   | 7.5   | 12.4  | 11.4  | 6.5   | 3.9   | 3.9   |
| 80°   | 71.3   | 25.1   | 10.7  | 6.5   | 3.3   | 2.9   | 4.9   | 3.6   | 1.6   | 0.7   | 0.7   |
| 82.5° | 28.0   | 11.1   | 4.2   | 2.6   | 1.3   | 1.3   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 16.6   | 4.6    | 2.0   | 1.0   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 4.2    | 1.0    | 0.7   | 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   | 0.0   |

(END OF REPORT)