

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: P945560

Luminaire Tested: **GALN-SB1C-722-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
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-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6272 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

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

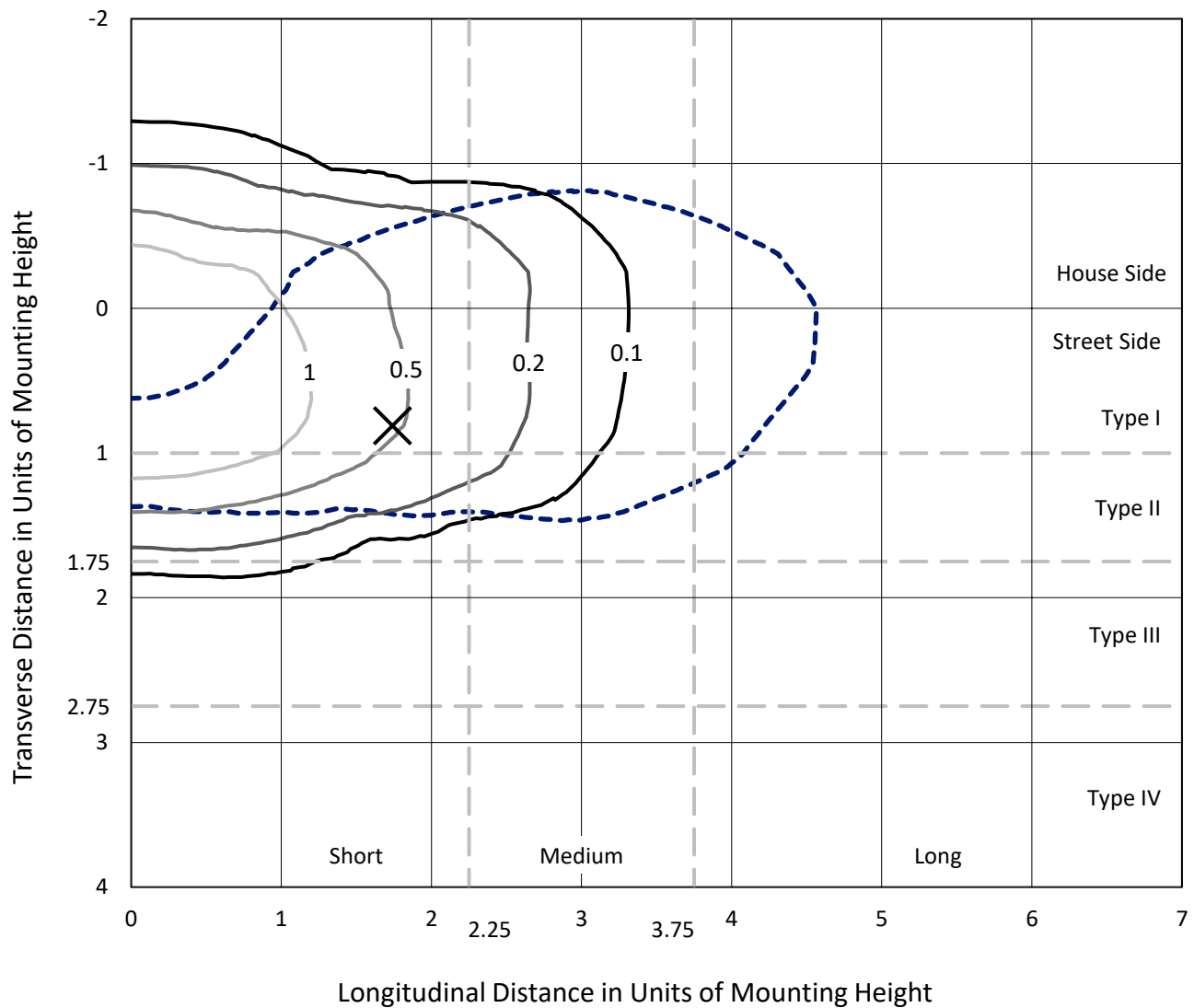


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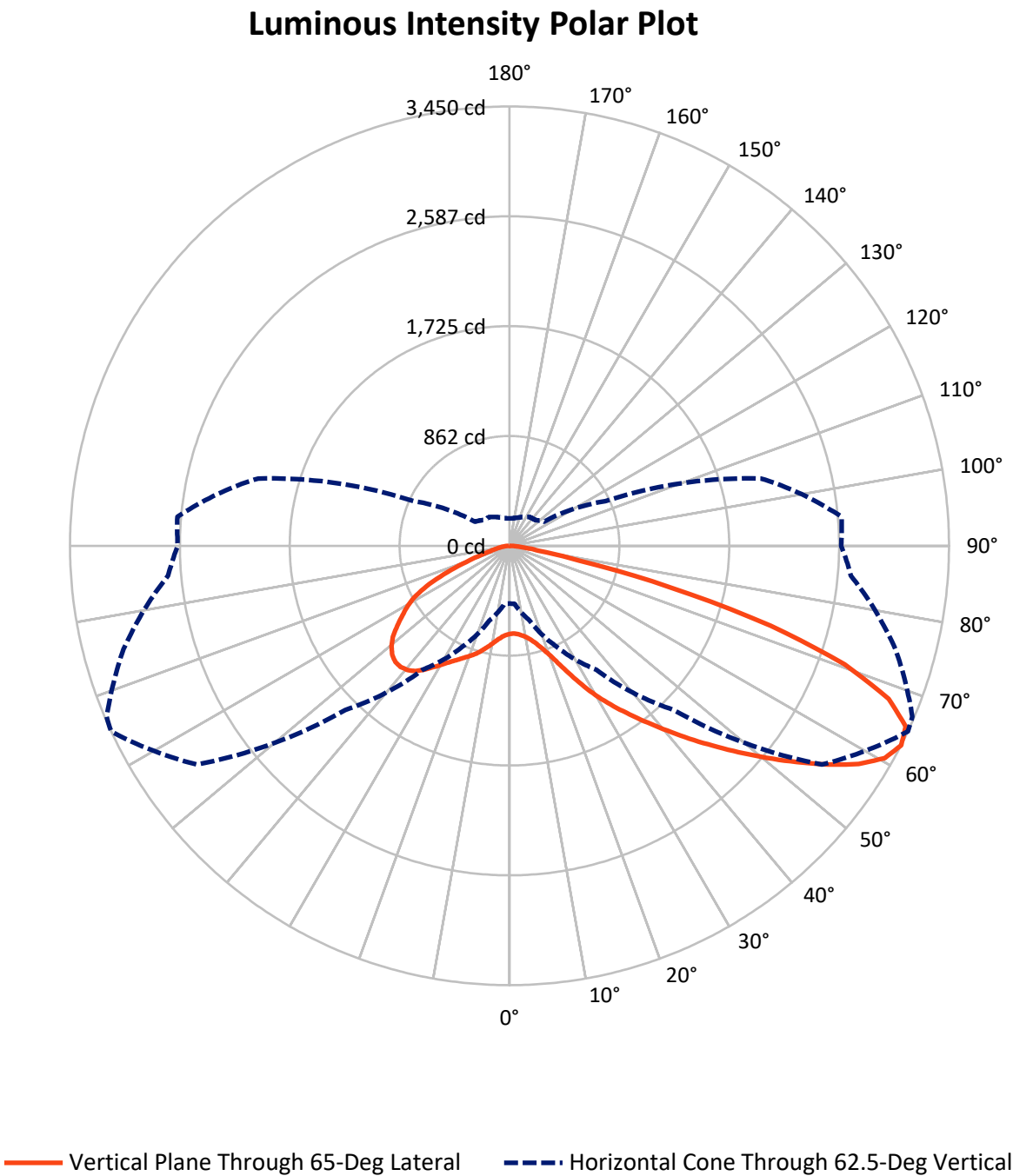
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
Type II - Short - N/A

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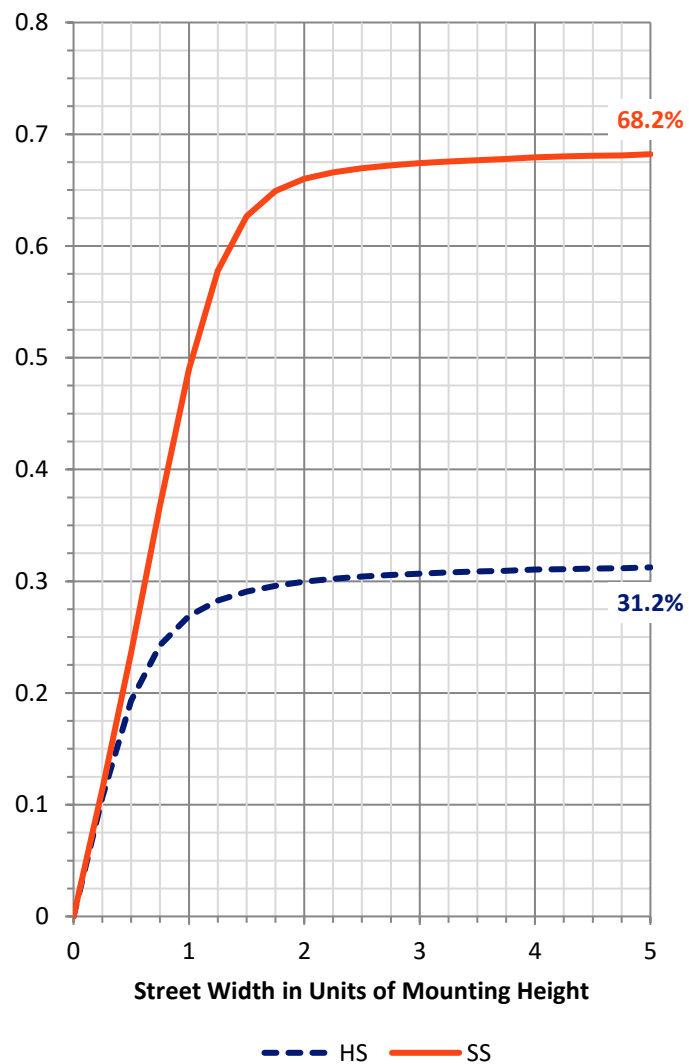
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1979.2   | 0.0    | 1979.2 |
|                    | % Fixture | 31.6     | 0.0    | 31.6   |
| <b>Street Side</b> | Lumens    | 4292.8   | 0.0    | 4292.8 |
|                    | % Fixture | 68.4     | 0.0    | 68.4   |
| <b>Total</b>       | Lumens    | 6272.0   | 0.0    | 6272.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.9   | 1.1       |
| 10°-20°   | 233.7  | 3.7       |
| 20°-30°   | 473.8  | 7.6       |
| 30°-40°   | 819.9  | 13.1      |
| 40°-50°   | 1240.7 | 19.8      |
| 50°-60°   | 1454.7 | 23.2      |
| 60°-70°   | 1219.6 | 19.4      |
| 70°-80°   | 673.3  | 10.7      |
| 80°-90°   | 87.5   | 1.4       |
| 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°    | 6272.0 | 100.0     |
| 0°-180°   | 6272.0 | 100.0     |

**Coefficient of Utilization**



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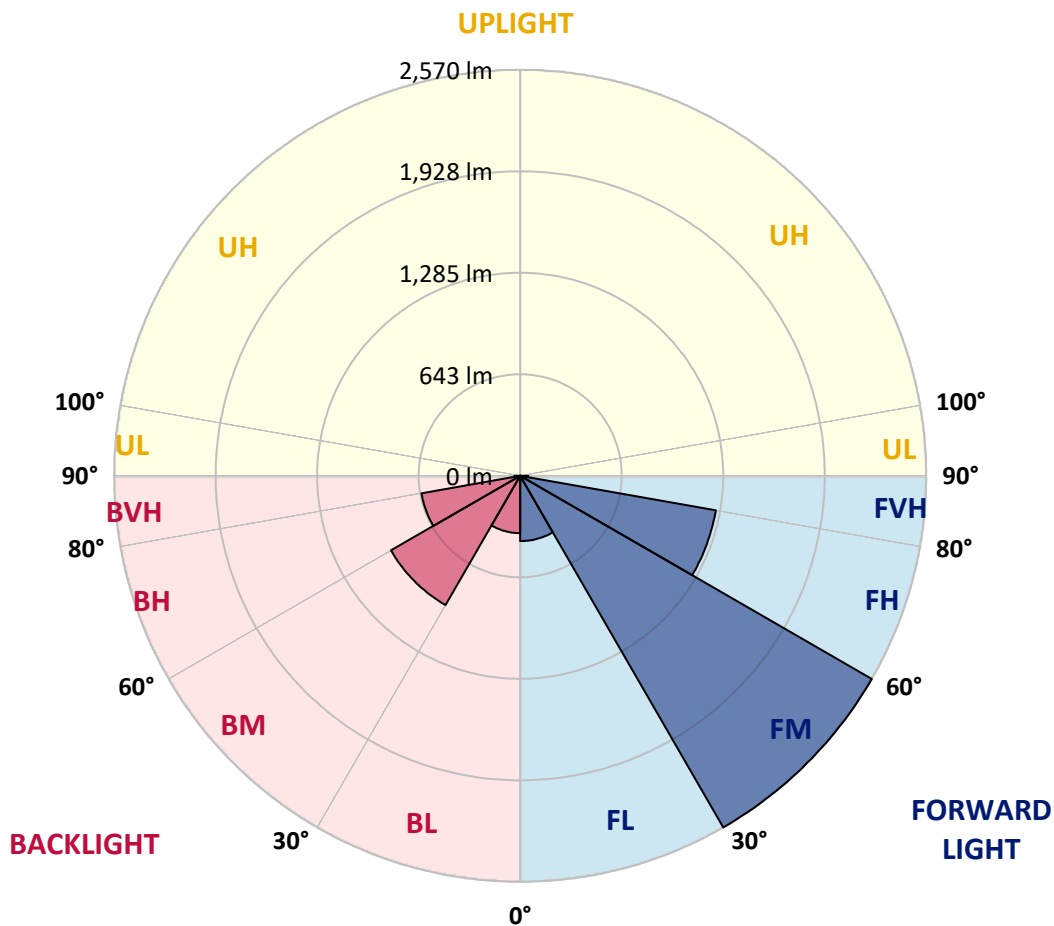
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 413.4  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 2570.5 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1258.0 | 20.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 51.0   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 363.0  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 944.8  | 15.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 634.9  | 10.1      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 36.5   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  | 691.1  |
| 2.5°  | 686.6  | 684.6  | 686.3  | 686.3  | 686.9  | 686.6  | 688.9  | 689.5  | 690.5  | 692.4  | 692.4  |
| 5°    | 679.8  | 679.4  | 682.4  | 685.0  | 687.6  | 689.8  | 692.8  | 697.0  | 697.7  | 699.9  | 702.9  |
| 7.5°  | 677.5  | 675.5  | 680.1  | 683.3  | 689.5  | 695.1  | 702.9  | 710.0  | 712.9  | 713.9  | 719.5  |
| 10°   | 695.1  | 691.8  | 696.0  | 698.0  | 703.2  | 708.7  | 717.8  | 729.2  | 732.5  | 736.4  | 742.6  |
| 12.5° | 725.0  | 721.4  | 727.6  | 730.5  | 735.4  | 740.3  | 746.5  | 757.5  | 759.2  | 766.3  | 772.2  |
| 15°   | 766.0  | 761.8  | 765.7  | 769.2  | 777.4  | 781.9  | 788.1  | 798.9  | 798.9  | 804.4  | 808.6  |
| 17.5° | 821.6  | 816.1  | 819.0  | 820.3  | 825.5  | 832.4  | 842.8  | 852.2  | 857.1  | 855.1  | 849.3  |
| 20°   | 904.6  | 897.8  | 897.8  | 891.3  | 889.3  | 894.8  | 908.5  | 921.5  | 926.7  | 916.6  | 902.3  |
| 22.5° | 1029.2 | 1019.5 | 1013.9 | 991.8  | 983.0  | 983.7  | 997.3  | 1013.3 | 1017.5 | 999.6  | 967.4  |
| 25°   | 1187.7 | 1172.4 | 1164.9 | 1132.4 | 1112.5 | 1095.3 | 1106.0 | 1126.5 | 1132.4 | 1110.3 | 1058.2 |
| 27.5° | 1346.2 | 1347.2 | 1340.0 | 1300.9 | 1268.1 | 1236.5 | 1231.0 | 1252.5 | 1258.6 | 1233.6 | 1169.2 |
| 30°   | 1568.4 | 1545.3 | 1531.7 | 1484.8 | 1437.9 | 1393.7 | 1370.9 | 1379.7 | 1381.3 | 1351.4 | 1276.5 |
| 32.5° | 1760.1 | 1754.2 | 1724.9 | 1683.9 | 1623.7 | 1554.4 | 1516.4 | 1502.4 | 1499.8 | 1457.1 | 1368.3 |
| 35°   | 1978.4 | 1975.2 | 1944.3 | 1895.4 | 1830.4 | 1734.1 | 1665.4 | 1625.4 | 1622.1 | 1562.2 | 1459.1 |
| 37.5° | 2200.3 | 2200.3 | 2170.1 | 2116.7 | 2049.4 | 1929.0 | 1824.5 | 1761.1 | 1750.6 | 1672.6 | 1551.5 |
| 40°   | 2377.4 | 2366.6 | 2372.2 | 2349.7 | 2272.6 | 2144.7 | 2001.2 | 1909.1 | 1895.1 | 1801.4 | 1649.8 |
| 42.5° | 2477.9 | 2474.3 | 2507.5 | 2532.6 | 2501.0 | 2398.8 | 2195.8 | 2069.5 | 2050.0 | 1943.3 | 1763.0 |
| 45°   | 2500.4 | 2496.5 | 2555.7 | 2647.4 | 2691.7 | 2649.7 | 2407.3 | 2238.4 | 2214.7 | 2091.7 | 1884.4 |
| 47.5° | 2448.6 | 2440.8 | 2527.7 | 2672.5 | 2814.4 | 2888.2 | 2636.4 | 2421.6 | 2387.1 | 2236.1 | 2009.0 |
| 50°   | 2293.1 | 2285.6 | 2417.1 | 2609.4 | 2855.7 | 3050.3 | 2885.0 | 2615.9 | 2563.2 | 2391.0 | 2134.9 |
| 52.5° | 1955.0 | 1958.6 | 2164.6 | 2428.8 | 2801.4 | 3151.2 | 3099.1 | 2820.6 | 2757.1 | 2549.5 | 2253.1 |
| 55°   | 1522.9 | 1530.7 | 1783.8 | 2074.7 | 2584.0 | 3135.9 | 3245.2 | 3031.4 | 2968.3 | 2698.5 | 2375.1 |
| 57.5° | 1090.4 | 1124.9 | 1362.1 | 1650.1 | 2166.5 | 2893.4 | 3277.1 | 3231.9 | 3170.7 | 2861.2 | 2494.5 |
| 60°   | 706.8  | 712.9  | 957.0  | 1247.3 | 1649.8 | 2462.6 | 3212.3 | 3383.8 | 3336.0 | 3027.2 | 2594.4 |
| 62.5° | 453.0  | 457.2  | 605.9  | 872.4  | 1187.4 | 1821.9 | 2994.3 | 3449.9 | 3435.2 | 3136.8 | 2690.4 |
| 65°   | 332.9  | 329.6  | 407.1  | 576.6  | 799.8  | 1123.6 | 2571.0 | 3418.0 | 3447.0 | 3205.5 | 2769.8 |
| 67.5° | 277.9  | 273.3  | 311.4  | 399.3  | 589.3  | 638.1  | 1902.3 | 3210.7 | 3316.8 | 3197.7 | 2828.0 |
| 70°   | 253.2  | 249.3  | 272.4  | 296.4  | 459.8  | 427.2  | 959.0  | 2791.3 | 2954.6 | 3108.9 | 2818.6 |
| 72.5° | 214.4  | 207.6  | 239.2  | 263.2  | 357.6  | 327.7  | 396.3  | 2144.1 | 2343.2 | 2824.1 | 2685.8 |
| 75°   | 166.3  | 161.7  | 188.7  | 231.7  | 268.8  | 255.8  | 250.6  | 1301.9 | 1519.3 | 2184.1 | 2349.7 |
| 77.5° | 131.8  | 125.6  | 150.3  | 180.6  | 241.8  | 193.0  | 182.5  | 560.7  | 776.1  | 1394.3 | 1758.1 |
| 80°   | 99.2   | 93.7   | 114.2  | 142.9  | 185.8  | 145.5  | 118.1  | 228.8  | 292.5  | 706.4  | 884.1  |
| 82.5° | 70.6   | 65.7   | 79.7   | 104.8  | 125.0  | 130.5  | 72.6   | 128.2  | 144.2  | 272.4  | 197.5  |
| 85°   | 45.2   | 42.3   | 53.4   | 65.7   | 79.4   | 84.0   | 44.3   | 67.0   | 73.5   | 112.3  | 82.3   |
| 87.5° | 24.7   | 20.2   | 28.6   | 30.6   | 36.8   | 33.5   | 21.2   | 24.4   | 26.4   | 40.7   | 34.8   |
| 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°    | 691.1  | 691.1  | 691.1  | 691.1  | 691.1 | 691.1 | 691.1 | 691.1 | 691.1 | 691.1 | 691.1 |
| 2.5°  | 693.8  | 694.7  | 698.0  | 699.0  | 701.2 | 704.2 | 706.1 | 708.1 | 708.1 | 710.0 | 710.0 |
| 5°    | 703.2  | 705.5  | 712.3  | 715.9  | 721.7 | 727.6 | 731.2 | 735.4 | 738.0 | 739.3 | 740.0 |
| 7.5°  | 721.4  | 725.0  | 734.8  | 740.9  | 751.0 | 759.2 | 764.7 | 770.5 | 771.8 | 775.4 | 774.1 |
| 10°   | 746.1  | 750.4  | 761.4  | 773.1  | 785.2 | 795.3 | 800.5 | 804.7 | 806.3 | 807.0 | 805.4 |
| 12.5° | 774.4  | 780.6  | 794.9  | 809.3  | 822.0 | 830.7 | 832.0 | 831.1 | 826.5 | 822.6 | 822.6 |
| 15°   | 809.3  | 814.8  | 830.7  | 846.4  | 858.7 | 860.4 | 852.2 | 847.0 | 841.5 | 840.5 | 840.5 |
| 17.5° | 850.9  | 853.8  | 868.5  | 883.8  | 884.8 | 879.2 | 867.2 | 862.3 | 857.1 | 853.5 | 853.8 |
| 20°   | 899.4  | 898.4  | 908.8  | 915.3  | 908.5 | 891.6 | 873.4 | 865.2 | 860.0 | 855.8 | 856.1 |
| 22.5° | 957.3  | 949.8  | 948.5  | 946.9  | 928.7 | 893.2 | 868.5 | 858.1 | 849.9 | 844.1 | 846.0 |
| 25°   | 1041.6 | 1013.0 | 993.1  | 982.1  | 941.1 | 884.4 | 852.9 | 829.8 | 814.5 | 804.4 | 808.3 |
| 27.5° | 1147.0 | 1098.9 | 1048.8 | 1021.8 | 941.1 | 866.5 | 815.1 | 777.7 | 752.6 | 742.2 | 747.4 |
| 30°   | 1247.6 | 1197.1 | 1123.3 | 1069.6 | 938.8 | 837.3 | 754.3 | 702.2 | 672.9 | 662.5 | 668.7 |
| 32.5° | 1333.5 | 1278.5 | 1202.3 | 1122.0 | 933.2 | 789.7 | 678.8 | 621.2 | 592.9 | 580.5 | 586.7 |
| 35°   | 1413.2 | 1354.6 | 1281.7 | 1179.6 | 918.6 | 720.1 | 595.8 | 551.9 | 520.3 | 500.5 | 507.0 |
| 37.5° | 1494.9 | 1425.2 | 1356.9 | 1231.6 | 892.2 | 638.8 | 532.0 | 494.6 | 457.5 | 430.8 | 438.0 |
| 40°   | 1583.7 | 1500.4 | 1437.3 | 1262.5 | 849.0 | 561.3 | 482.6 | 448.4 | 409.0 | 380.7 | 386.2 |
| 42.5° | 1687.5 | 1590.5 | 1526.8 | 1278.5 | 789.7 | 506.3 | 450.4 | 416.8 | 379.7 | 356.6 | 361.2 |
| 45°   | 1795.9 | 1689.8 | 1608.4 | 1278.2 | 723.7 | 480.6 | 439.9 | 406.7 | 365.7 | 341.7 | 345.6 |
| 47.5° | 1909.4 | 1793.6 | 1679.1 | 1257.3 | 666.4 | 484.2 | 434.1 | 384.9 | 339.7 | 316.3 | 319.5 |
| 50°   | 2023.3 | 1907.2 | 1747.4 | 1218.3 | 642.0 | 476.4 | 412.3 | 354.4 | 301.0 | 279.8 | 281.1 |
| 52.5° | 2136.2 | 2027.9 | 1806.3 | 1162.7 | 617.3 | 447.4 | 384.3 | 314.7 | 285.0 | 270.4 | 270.4 |
| 55°   | 2249.8 | 2147.3 | 1870.4 | 1081.6 | 555.5 | 413.6 | 337.4 | 299.7 | 272.4 | 259.0 | 257.7 |
| 57.5° | 2363.7 | 2285.3 | 1931.2 | 1000.6 | 477.7 | 371.9 | 311.7 | 281.5 | 259.7 | 248.3 | 246.3 |
| 60°   | 2482.1 | 2443.1 | 1994.0 | 926.1  | 400.9 | 318.6 | 292.9 | 266.8 | 244.7 | 232.0 | 231.0 |
| 62.5° | 2604.2 | 2616.9 | 2043.2 | 830.1  | 330.3 | 286.0 | 275.9 | 249.3 | 227.8 | 215.7 | 215.4 |
| 65°   | 2727.2 | 2784.4 | 2075.4 | 697.0  | 267.8 | 255.1 | 257.7 | 230.1 | 208.3 | 197.8 | 197.5 |
| 67.5° | 2819.9 | 2905.2 | 2066.3 | 527.5  | 219.6 | 225.8 | 234.9 | 209.9 | 189.4 | 181.2 | 181.6 |
| 70°   | 2830.3 | 2890.8 | 1976.5 | 361.2  | 183.9 | 197.2 | 209.6 | 190.0 | 168.9 | 163.0 | 163.4 |
| 72.5° | 2691.7 | 2695.6 | 1726.2 | 235.9  | 155.5 | 173.1 | 182.9 | 169.9 | 149.4 | 143.5 | 143.2 |
| 75°   | 2328.2 | 2229.3 | 1267.4 | 155.5  | 130.2 | 148.7 | 157.8 | 148.7 | 128.9 | 130.2 | 125.6 |
| 77.5° | 1764.0 | 1578.8 | 769.6  | 110.6  | 108.7 | 125.0 | 137.3 | 130.8 | 113.9 | 127.9 | 112.6 |
| 80°   | 908.8  | 854.2  | 343.3  | 82.7   | 85.9  | 99.9  | 112.9 | 104.5 | 90.1  | 85.9  | 78.4  |
| 82.5° | 208.3  | 242.1  | 135.4  | 59.2   | 62.2  | 71.9  | 86.2  | 78.4  | 64.8  | 54.7  | 54.0  |
| 85°   | 72.9   | 79.7   | 59.9   | 37.1   | 36.4  | 44.9  | 58.6  | 52.4  | 43.9  | 35.1  | 37.1  |
| 87.5° | 23.1   | 30.3   | 22.5   | 15.0   | 15.6  | 20.2  | 27.0  | 24.7  | 20.5  | 13.3  | 14.0  |
| 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)