

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: P948419

Luminaire Tested: **GALN-SB3C-722-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948419  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-722-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14298 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 149.1  
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



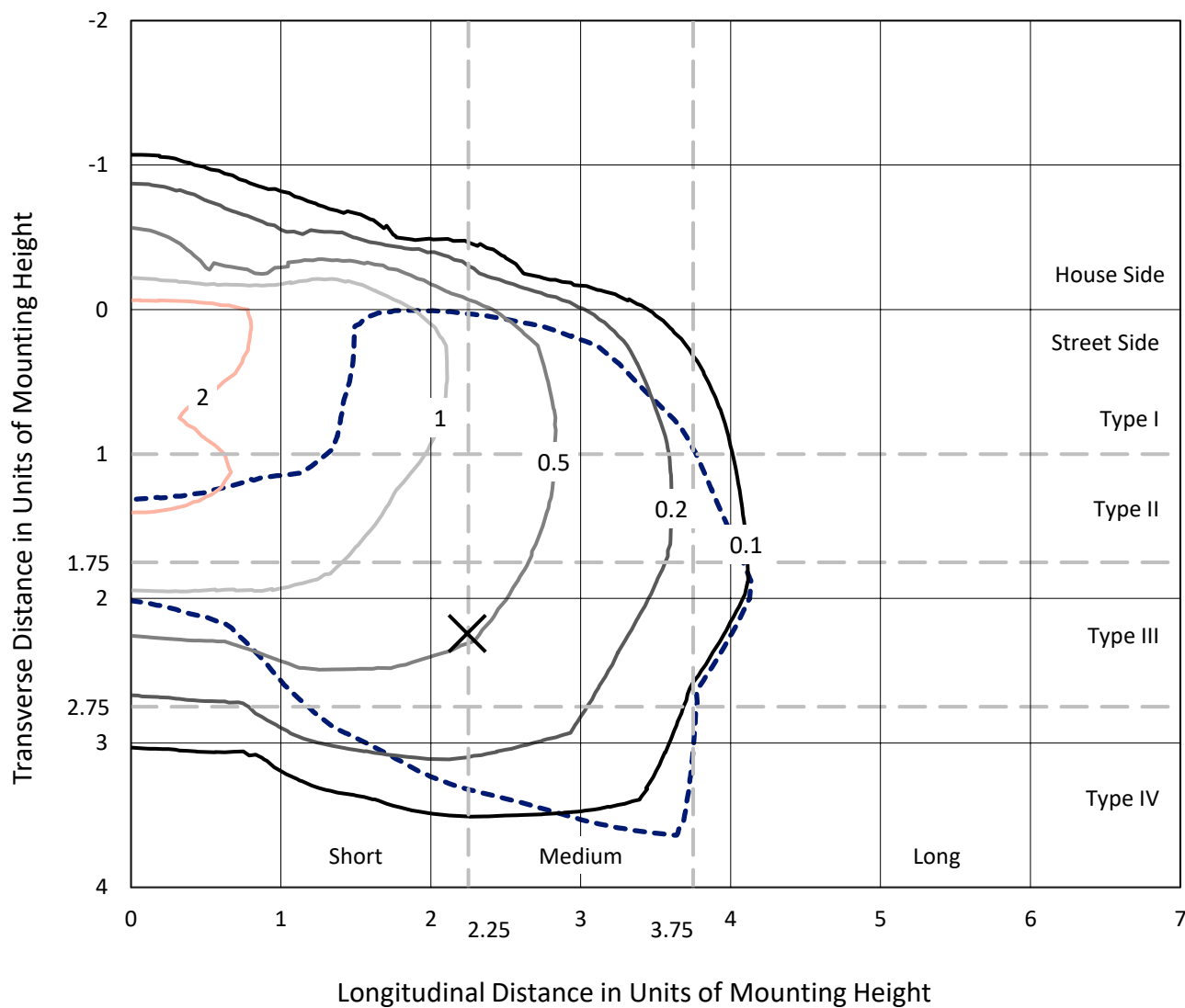
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



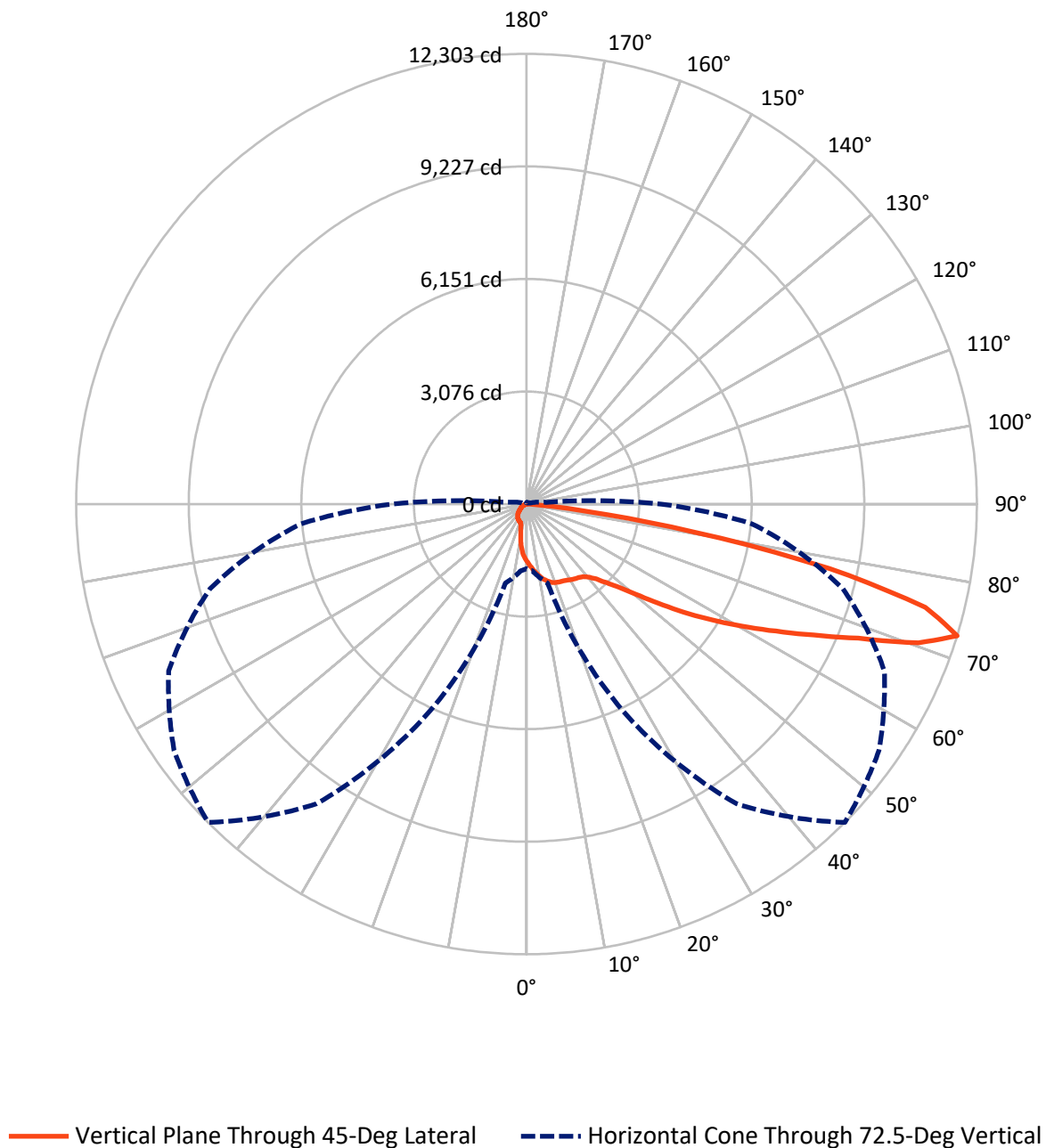
Based on 25 foot mounting height. Maximum calculated value = 3.4 fc

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    | 1502.3   | 0.0    | 1502.3  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 12795.7  | 0.0    | 12795.7 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 14298.0  | 0.0    | 14298.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 147.6   | 1.0       |
| 10°-20°   | 431.3   | 3.0       |
| 20°-30°   | 708.3   | 5.0       |
| 30°-40°   | 1004.5  | 7.0       |
| 40°-50°   | 1660.4  | 11.6      |
| 50°-60°   | 2982.7  | 20.9      |
| 60°-70°   | 4141.7  | 29.0      |
| 70°-80°   | 3004.2  | 21.0      |
| 80°-90°   | 217.2   | 1.5       |
| 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°    | 14298.0 | 100.0     |
| 0°-180°   | 14298.0 | 100.0     |

**Coefficient of Utilization**



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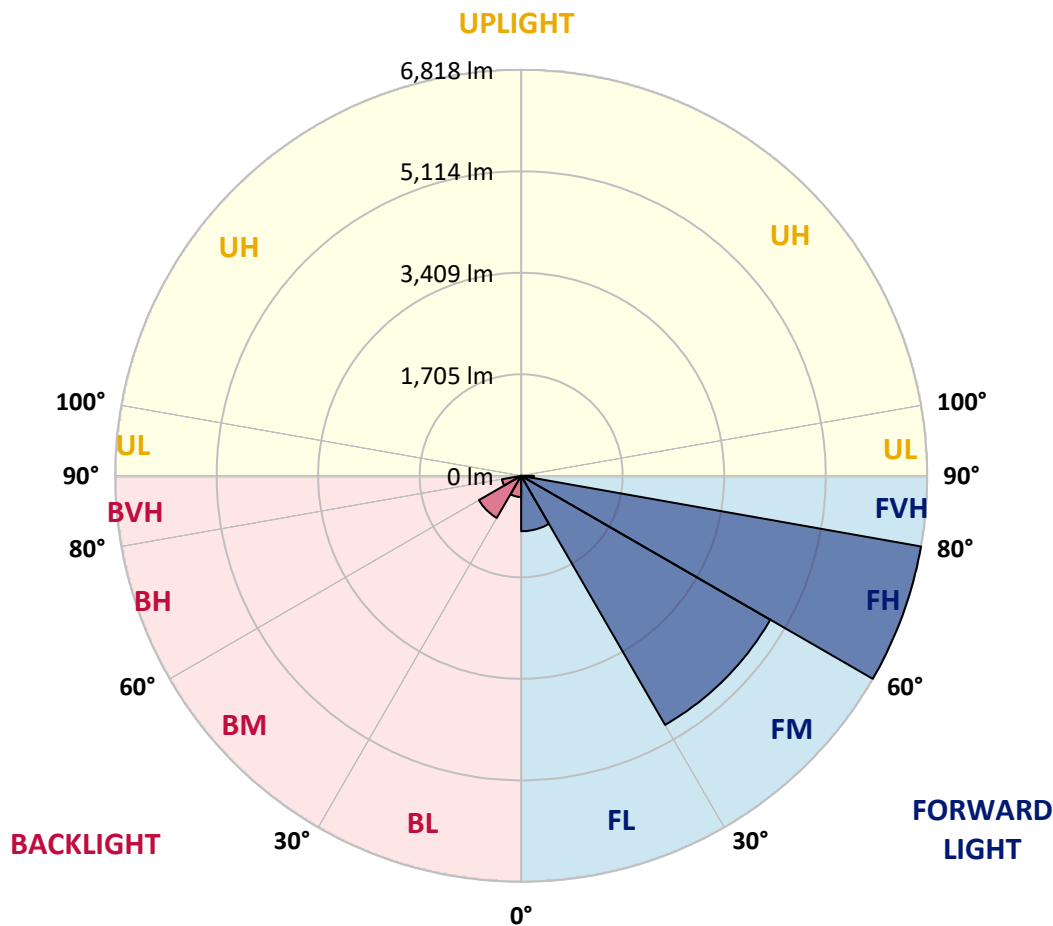
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 931.4  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 4830.6 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 6818.3 | 47.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 215.4  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 355.8  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 817.1  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 327.6  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.8    | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 46°     | 55°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4  | 1566.4  | 1566.4  | 1566.4  | 1566.4  | 1566.4 | 1566.4 |
| 2.5°  | 1710.8 | 1713.7 | 1711.8 | 1700.1 | 1680.6  | 1669.8  | 1664.0  | 1644.5  | 1631.8  | 1609.3 | 1585.9 |
| 5°    | 1867.9 | 1879.7 | 1872.8 | 1849.4 | 1812.3  | 1786.0  | 1778.2  | 1738.1  | 1702.0  | 1660.1 | 1611.3 |
| 7.5°  | 2034.8 | 2040.7 | 2028.0 | 1997.7 | 1948.0  | 1903.1  | 1896.2  | 1840.6  | 1783.0  | 1718.6 | 1652.3 |
| 10°   | 2179.3 | 2186.1 | 2166.6 | 2122.7 | 2066.1  | 2010.4  | 2000.7  | 1939.2  | 1870.9  | 1791.8 | 1706.9 |
| 12.5° | 2300.3 | 2307.1 | 2281.7 | 2229.0 | 2166.6  | 2109.0  | 2099.2  | 2034.8  | 1959.7  | 1871.8 | 1766.4 |
| 15°   | 2392.0 | 2404.7 | 2370.5 | 2313.9 | 2246.6  | 2189.0  | 2184.1  | 2120.7  | 2047.5  | 1949.9 | 1837.7 |
| 17.5° | 2445.7 | 2458.4 | 2426.2 | 2357.9 | 2300.3  | 2251.5  | 2245.6  | 2192.9  | 2124.6  | 2030.9 | 1907.0 |
| 20°   | 2454.5 | 2466.2 | 2432.0 | 2372.5 | 2324.7  | 2285.6  | 2282.7  | 2244.7  | 2194.9  | 2105.1 | 1982.1 |
| 22.5° | 2428.1 | 2442.8 | 2411.5 | 2363.7 | 2330.5  | 2310.0  | 2306.1  | 2284.7  | 2256.4  | 2180.2 | 2052.4 |
| 25°   | 2400.8 | 2412.5 | 2389.1 | 2347.1 | 2329.6  | 2327.6  | 2330.5  | 2326.6  | 2320.8  | 2256.4 | 2134.4 |
| 27.5° | 2398.8 | 2411.5 | 2385.2 | 2345.2 | 2335.4  | 2355.9  | 2358.8  | 2377.4  | 2382.3  | 2325.7 | 2213.4 |
| 30°   | 2415.4 | 2424.2 | 2398.8 | 2356.9 | 2352.0  | 2398.8  | 2399.8  | 2433.0  | 2440.8  | 2384.2 | 2291.5 |
| 32.5° | 2451.5 | 2461.3 | 2435.9 | 2374.5 | 2367.6  | 2433.0  | 2435.9  | 2479.9  | 2492.5  | 2446.7 | 2373.5 |
| 35°   | 2536.5 | 2548.2 | 2518.9 | 2423.2 | 2398.8  | 2465.2  | 2474.0  | 2525.7  | 2551.1  | 2513.0 | 2458.4 |
| 37.5° | 2748.2 | 2714.1 | 2674.1 | 2521.8 | 2470.1  | 2516.0  | 2530.6  | 2591.1  | 2636.0  | 2592.1 | 2559.9 |
| 40°   | 3274.3 | 3166.9 | 3042.0 | 2689.7 | 2595.0  | 2624.3  | 2636.0  | 2696.5  | 2758.0  | 2715.1 | 2699.4 |
| 42.5° | 4063.8 | 3936.9 | 3735.9 | 3076.1 | 2783.4  | 2798.0  | 2806.8  | 2859.5  | 2946.3  | 2912.2 | 2916.1 |
| 45°   | 4767.4 | 4721.6 | 4516.6 | 3735.9 | 3135.7  | 3063.5  | 3074.2  | 3101.5  | 3229.4  | 3216.7 | 3242.1 |
| 47.5° | 5308.1 | 5281.8 | 5123.7 | 4493.2 | 3731.0  | 3388.4  | 3418.7  | 3431.4  | 3615.8  | 3660.7 | 3729.0 |
| 50°   | 5723.9 | 5714.1 | 5572.6 | 5166.6 | 4508.8  | 3867.6  | 3878.4  | 3851.0  | 4127.2  | 4238.5 | 4368.3 |
| 52.5° | 6116.2 | 6149.4 | 6044.9 | 5792.2 | 5339.3  | 4495.2  | 4493.2  | 4364.4  | 4737.2  | 4905.1 | 5126.6 |
| 55°   | 6470.5 | 6482.2 | 6492.9 | 6430.4 | 6174.7  | 5209.5  | 5191.0  | 4980.2  | 5444.7  | 5618.5 | 5858.5 |
| 57.5° | 6803.2 | 6808.1 | 6903.8 | 7031.6 | 7044.3  | 5976.6  | 5942.5  | 5689.7  | 6217.7  | 6341.6 | 6489.0 |
| 60°   | 7026.7 | 7049.2 | 7251.2 | 7606.4 | 7761.6  | 6768.1  | 6749.6  | 6491.9  | 7004.3  | 7061.9 | 7034.5 |
| 62.5° | 6704.7 | 6841.3 | 7350.7 | 8055.4 | 8438.9  | 7645.5  | 7636.7  | 7394.7  | 7831.9  | 7785.0 | 7550.8 |
| 65°   | 5427.2 | 5658.5 | 6554.4 | 8358.9 | 9103.5  | 8625.3  | 8638.0  | 8380.4  | 8681.9  | 8529.7 | 7970.5 |
| 67.5° | 3796.4 | 4040.4 | 5100.2 | 8383.3 | 9846.2  | 9775.9  | 9849.1  | 9445.1  | 9584.7  | 9243.1 | 8070.0 |
| 70°   | 2625.3 | 2751.2 | 3441.1 | 7858.2 | 10424.9 | 11360.9 | 11358.9 | 10752.9 | 10482.5 | 9568.1 | 7562.5 |
| 72.5° | 1765.5 | 1830.9 | 2234.9 | 6234.3 | 9999.4  | 12302.6 | 12246.0 | 11752.2 | 10785.1 | 8948.4 | 6178.6 |
| 75°   | 744.6  | 792.5  | 1034.5 | 3503.6 | 7910.9  | 11255.5 | 11102.2 | 10385.9 | 9582.7  | 7046.3 | 3854.9 |
| 77.5° | 236.2  | 256.7  | 407.9  | 1254.1 | 4357.6  | 8460.4  | 8298.4  | 6486.1  | 6422.6  | 3534.8 | 1409.3 |
| 80°   | 112.2  | 130.8  | 229.3  | 503.6  | 1714.7  | 4601.5  | 4579.1  | 2942.4  | 2762.9  | 954.5  | 283.0  |
| 82.5° | 48.8   | 57.6   | 126.9  | 269.4  | 767.1   | 1641.5  | 1674.7  | 1001.3  | 828.6   | 362.1  | 86.9   |
| 85°   | 15.6   | 20.5   | 58.6   | 123.9  | 324.0   | 407.9   | 403.1   | 238.1   | 333.8   | 197.1  | 30.3   |
| 87.5° | 0.0    | 0.0    | 19.5   | 28.3   | 33.2    | 23.4    | 26.4    | 20.5    | 92.7    | 54.7   | 10.7   |
| 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°    | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 | 1566.4 |
| 2.5°  | 1574.2 | 1558.6 | 1531.2 | 1505.9 | 1483.4 | 1461.0 | 1447.3 | 1427.8 | 1425.8 | 1425.8 | 1430.7 |
| 5°    | 1584.9 | 1559.5 | 1510.7 | 1459.0 | 1399.5 | 1342.9 | 1286.3 | 1231.6 | 1214.1 | 1201.4 | 1207.2 |
| 7.5°  | 1616.1 | 1576.1 | 1499.0 | 1400.5 | 1287.3 | 1163.3 | 1076.5 | 982.8  | 946.7  | 927.1  | 930.1  |
| 10°   | 1661.0 | 1606.4 | 1489.3 | 1316.5 | 1133.1 | 964.2  | 840.3  | 738.8  | 699.7  | 683.2  | 683.2  |
| 12.5° | 1710.8 | 1643.5 | 1471.7 | 1212.1 | 964.2  | 762.2  | 641.2  | 594.3  | 588.5  | 588.5  | 588.5  |
| 15°   | 1770.3 | 1688.4 | 1441.5 | 1089.1 | 787.6  | 603.1  | 560.2  | 562.1  | 568.0  | 571.9  | 571.9  |
| 17.5° | 1831.8 | 1736.2 | 1393.6 | 951.5  | 631.4  | 542.6  | 543.6  | 546.5  | 551.4  | 555.3  | 555.3  |
| 20°   | 1898.2 | 1784.0 | 1330.2 | 805.1  | 541.6  | 525.1  | 528.0  | 530.9  | 534.8  | 536.8  | 537.7  |
| 22.5° | 1969.4 | 1828.9 | 1255.1 | 661.7  | 511.4  | 510.4  | 511.4  | 514.3  | 519.2  | 519.2  | 521.1  |
| 25°   | 2045.6 | 1878.7 | 1169.2 | 557.3  | 495.8  | 495.8  | 497.7  | 499.7  | 503.6  | 503.6  | 504.6  |
| 27.5° | 2123.6 | 1924.5 | 1078.4 | 502.6  | 482.1  | 481.1  | 481.1  | 484.1  | 486.0  | 487.0  | 488.0  |
| 30°   | 2209.5 | 1978.2 | 987.6  | 490.9  | 471.4  | 466.5  | 463.6  | 465.5  | 467.5  | 468.4  | 470.4  |
| 32.5° | 2297.4 | 2029.9 | 906.6  | 495.8  | 460.6  | 451.9  | 442.1  | 440.1  | 440.1  | 444.1  | 447.0  |
| 35°   | 2394.9 | 2086.5 | 844.2  | 512.4  | 454.8  | 430.4  | 414.8  | 406.0  | 407.0  | 412.8  | 415.7  |
| 37.5° | 2512.1 | 2154.9 | 798.3  | 527.0  | 450.9  | 406.0  | 380.6  | 369.9  | 363.0  | 369.9  | 367.9  |
| 40°   | 2665.3 | 2255.4 | 765.1  | 538.7  | 446.0  | 377.7  | 343.5  | 326.0  | 313.3  | 317.2  | 315.2  |
| 42.5° | 2890.7 | 2413.5 | 752.4  | 539.7  | 435.3  | 344.5  | 305.5  | 282.0  | 263.5  | 264.5  | 260.6  |
| 45°   | 3206.9 | 2663.3 | 817.8  | 527.0  | 411.8  | 308.4  | 265.5  | 234.2  | 222.5  | 219.6  | 215.7  |
| 47.5° | 3640.2 | 3027.4 | 969.1  | 500.7  | 377.7  | 273.3  | 226.4  | 200.1  | 191.3  | 186.4  | 183.5  |
| 50°   | 4220.9 | 3494.8 | 1137.0 | 471.4  | 343.5  | 240.1  | 194.2  | 177.6  | 171.8  | 166.9  | 165.9  |
| 52.5° | 4894.3 | 3969.1 | 1274.6 | 442.1  | 309.4  | 210.8  | 173.7  | 164.0  | 159.1  | 155.2  | 154.2  |
| 55°   | 5512.1 | 4296.1 | 1266.8 | 410.9  | 276.2  | 187.4  | 159.1  | 153.2  | 147.4  | 143.5  | 141.5  |
| 57.5° | 5896.6 | 4341.9 | 1044.3 | 376.7  | 238.1  | 168.8  | 145.4  | 141.5  | 134.7  | 129.8  | 128.8  |
| 60°   | 6073.2 | 4080.4 | 732.0  | 331.8  | 200.1  | 151.3  | 130.8  | 128.8  | 120.0  | 113.2  | 111.3  |
| 62.5° | 6105.5 | 3594.4 | 488.0  | 276.2  | 166.9  | 134.7  | 116.1  | 113.2  | 101.5  | 89.8   | 83.9   |
| 65°   | 5974.7 | 2899.5 | 337.7  | 215.7  | 142.5  | 117.1  | 99.5   | 93.7   | 81.0   | 69.3   | 65.4   |
| 67.5° | 5560.9 | 2035.8 | 235.2  | 155.2  | 121.0  | 92.7   | 79.1   | 77.1   | 67.3   | 57.6   | 54.7   |
| 70°   | 4802.6 | 1160.4 | 157.1  | 116.1  | 95.6   | 63.4   | 62.5   | 64.4   | 54.7   | 46.8   | 42.9   |
| 72.5° | 3682.2 | 530.9  | 97.6   | 84.9   | 65.4   | 42.9   | 49.8   | 50.7   | 42.0   | 35.1   | 31.2   |
| 75°   | 2167.6 | 227.4  | 61.5   | 54.7   | 33.2   | 28.3   | 36.1   | 37.1   | 28.3   | 22.4   | 19.5   |
| 77.5° | 737.8  | 85.9   | 39.0   | 32.2   | 16.6   | 15.6   | 23.4   | 23.4   | 15.6   | 8.8    | 6.8    |
| 80°   | 167.9  | 32.2   | 19.5   | 12.7   | 7.8    | 6.8    | 7.8    | 6.8    | 3.9    | 1.0    | 0.0    |
| 82.5° | 47.8   | 12.7   | 7.8    | 4.9    | 2.9    | 2.9    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 13.7   | 5.9    | 2.0    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 5.9    | 1.0    | 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    | 0.0    |

(END OF REPORT)