

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: P940417

Luminaire Tested: **GALN-SB3C-722-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
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-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18575 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - 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

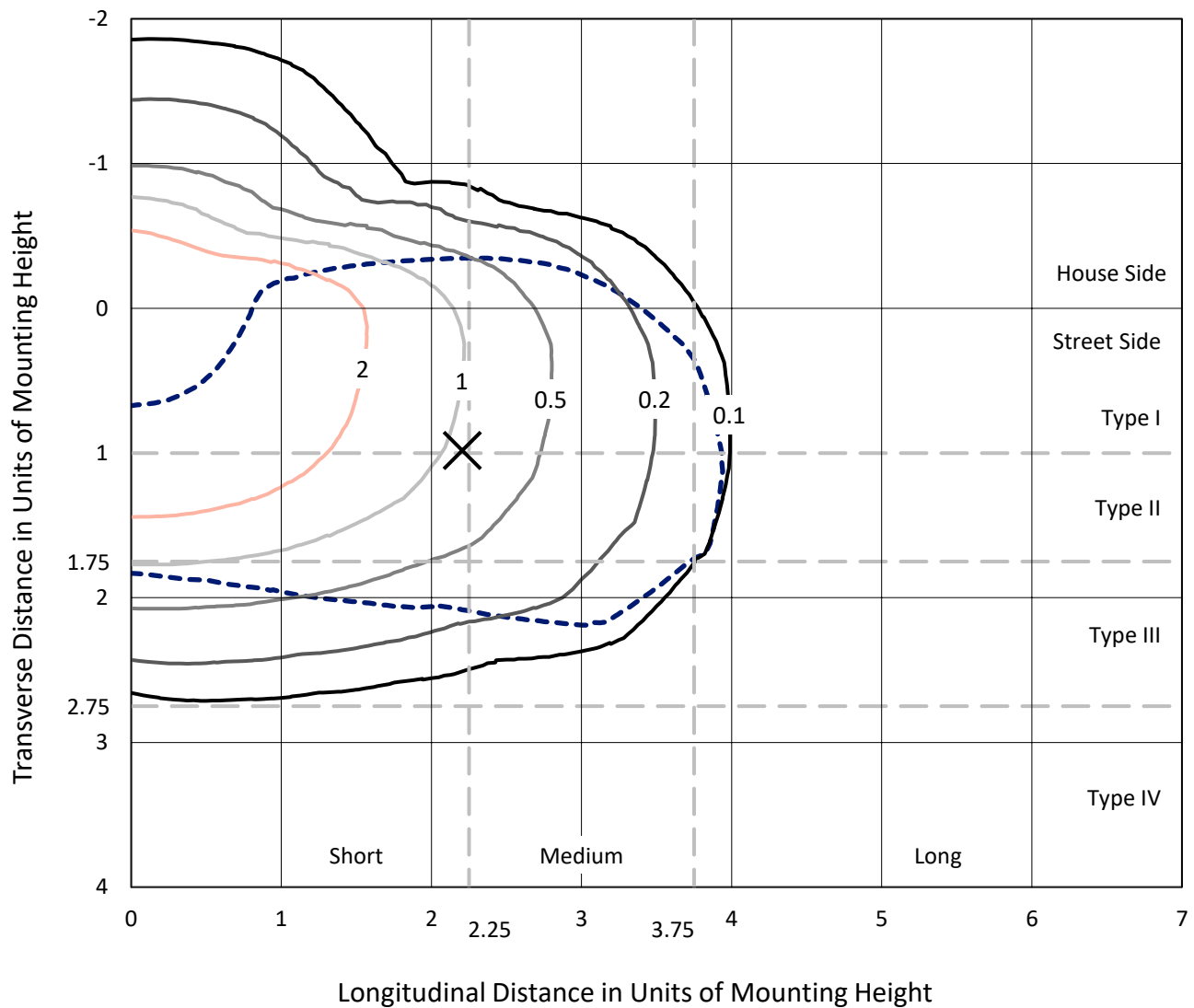


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

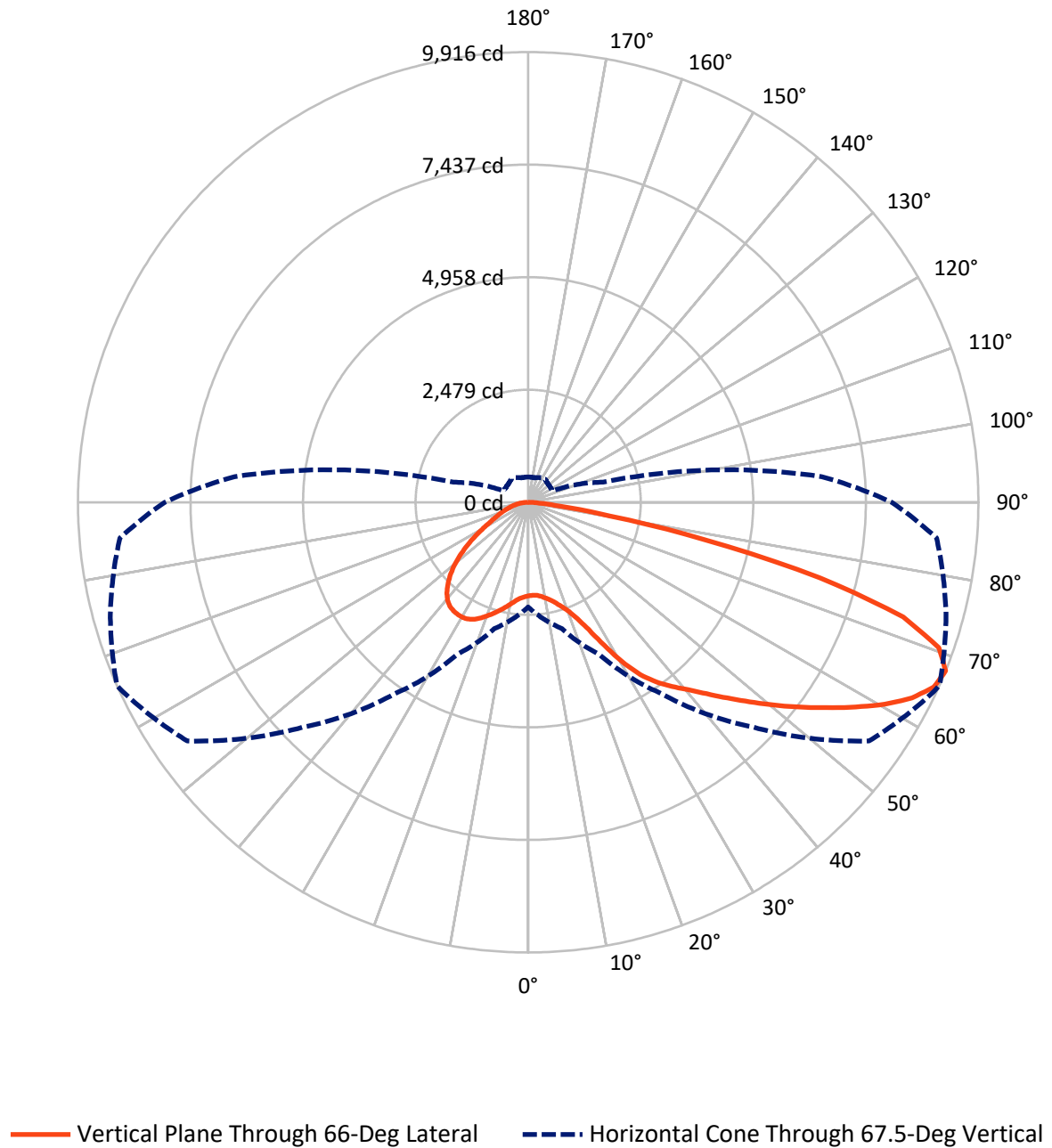


Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4618.6   | 0.0    | 4618.6  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 13956.4  | 0.0    | 13956.4 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 18575.0  | 0.0    | 18575.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 204.3   | 1.1       |
| 10°-20°   | 674.9   | 3.6       |
| 20°-30°   | 1300.7  | 7.0       |
| 30°-40°   | 2280.7  | 12.3      |
| 40°-50°   | 3390.6  | 18.3      |
| 50°-60°   | 4298.0  | 23.1      |
| 60°-70°   | 4205.4  | 22.6      |
| 70°-80°   | 2006.0  | 10.8      |
| 80°-90°   | 214.4   | 1.2       |
| 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°    | 18575.0 | 100.0     |
| 0°-180°   | 18575.0 | 100.0     |

**Coefficient of Utilization**



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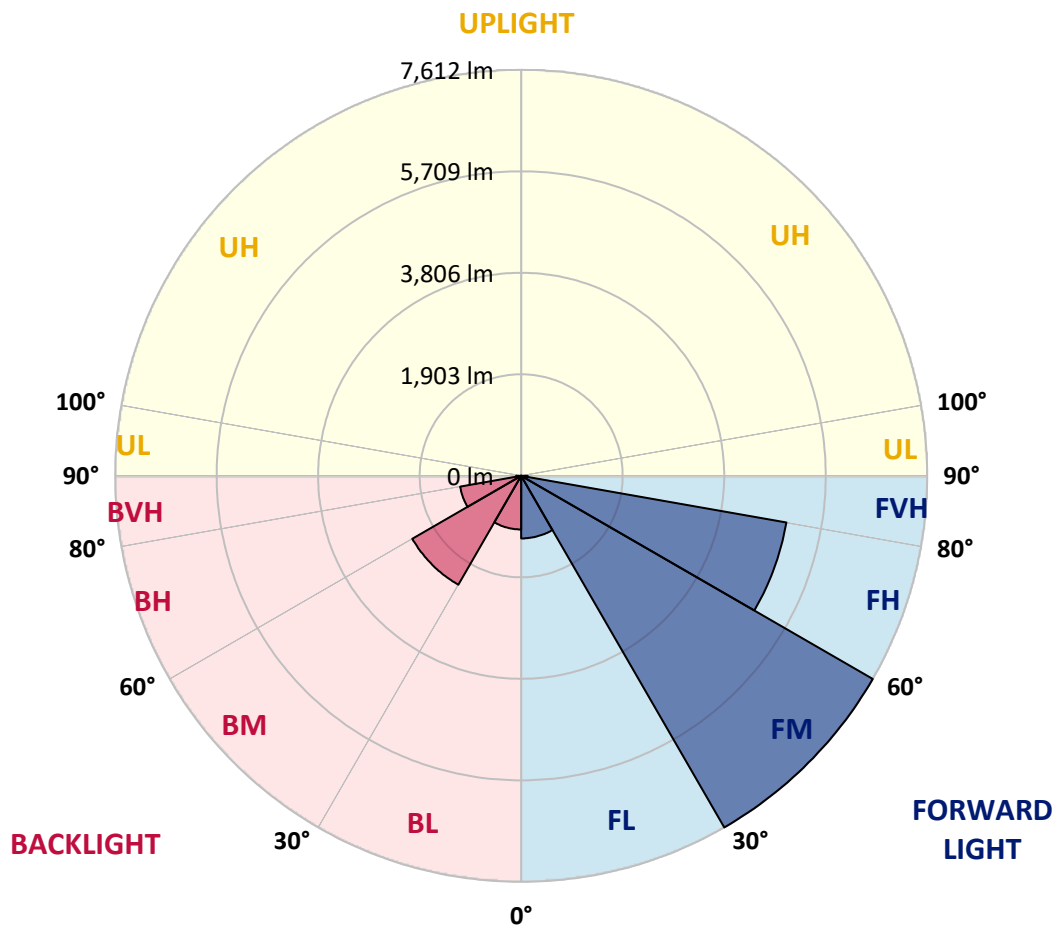
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1173.8 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 7611.9 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 5049.2 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 121.6  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1006.1 | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2357.4 | 12.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1162.3 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 92.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 |
| 2.5°  | 2038.7 | 2050.5 | 2047.5 | 2042.6 | 2041.7 | 2043.6 | 2046.5 | 2049.5 | 2048.5 | 2053.4 | 2061.2 |
| 5°    | 2032.9 | 2044.6 | 2043.6 | 2043.6 | 2047.5 | 2055.3 | 2060.2 | 2065.1 | 2060.2 | 2066.1 | 2076.8 |
| 7.5°  | 2036.8 | 2045.6 | 2049.5 | 2053.4 | 2063.1 | 2077.8 | 2089.5 | 2100.2 | 2094.4 | 2101.2 | 2114.9 |
| 10°   | 2086.6 | 2093.4 | 2097.3 | 2097.3 | 2104.1 | 2120.7 | 2132.4 | 2152.0 | 2147.1 | 2157.8 | 2175.4 |
| 12.5° | 2177.3 | 2184.2 | 2184.2 | 2180.3 | 2185.1 | 2195.9 | 2199.8 | 2221.2 | 2212.5 | 2230.0 | 2247.6 |
| 15°   | 2288.6 | 2302.2 | 2291.5 | 2284.7 | 2286.6 | 2297.4 | 2296.4 | 2313.0 | 2304.2 | 2318.8 | 2334.5 |
| 17.5° | 2411.6 | 2429.1 | 2411.6 | 2410.6 | 2406.7 | 2418.4 | 2419.4 | 2434.0 | 2418.4 | 2429.1 | 2439.9 |
| 20°   | 2557.0 | 2581.4 | 2566.7 | 2571.6 | 2562.8 | 2567.7 | 2572.6 | 2594.1 | 2569.7 | 2577.5 | 2574.5 |
| 22.5° | 2761.9 | 2791.2 | 2775.6 | 2794.1 | 2788.3 | 2784.4 | 2783.4 | 2821.4 | 2783.4 | 2786.3 | 2758.0 |
| 25°   | 3060.6 | 3095.7 | 3068.4 | 3093.7 | 3093.7 | 3106.4 | 3121.1 | 3169.9 | 3106.4 | 3087.9 | 3014.7 |
| 27.5° | 3501.7 | 3536.8 | 3483.1 | 3498.8 | 3493.9 | 3525.1 | 3509.5 | 3630.5 | 3562.2 | 3531.9 | 3384.6 |
| 30°   | 4032.6 | 4095.1 | 3993.6 | 3989.6 | 3984.8 | 4034.5 | 4057.0 | 4137.0 | 4067.7 | 4037.5 | 3859.8 |
| 32.5° | 4606.4 | 4671.8 | 4550.8 | 4515.7 | 4497.1 | 4527.4 | 4508.9 | 4573.3 | 4525.4 | 4478.6 | 4259.0 |
| 35°   | 5213.5 | 5277.9 | 5162.7 | 5094.4 | 5020.2 | 4956.8 | 4890.4 | 4907.0 | 4862.1 | 4790.9 | 4563.5 |
| 37.5° | 5787.3 | 5905.4 | 5783.4 | 5710.2 | 5573.6 | 5449.7 | 5264.2 | 5187.1 | 5145.2 | 5079.8 | 4850.4 |
| 40°   | 6371.9 | 6439.3 | 6346.5 | 6284.1 | 6135.7 | 5941.5 | 5644.8 | 5481.9 | 5425.3 | 5361.8 | 5167.6 |
| 42.5° | 6802.3 | 6866.7 | 6817.0 | 6774.0 | 6657.9 | 6432.4 | 6048.9 | 5844.9 | 5762.9 | 5691.7 | 5526.8 |
| 45°   | 7143.9 | 7191.7 | 7160.5 | 7176.1 | 7126.3 | 6907.7 | 6467.6 | 6234.3 | 6149.4 | 6062.5 | 5932.7 |
| 47.5° | 7281.5 | 7332.3 | 7382.0 | 7474.7 | 7559.6 | 7398.6 | 6917.5 | 6655.9 | 6566.1 | 6477.3 | 6349.5 |
| 50°   | 7265.9 | 7317.6 | 7462.1 | 7659.2 | 7922.7 | 7869.0 | 7391.8 | 7104.9 | 7021.9 | 6920.4 | 6802.3 |
| 52.5° | 7141.0 | 7199.5 | 7385.0 | 7712.9 | 8132.5 | 8221.3 | 7874.9 | 7568.4 | 7490.4 | 7369.3 | 7251.2 |
| 55°   | 6813.0 | 6848.2 | 7126.3 | 7590.9 | 8182.3 | 8467.3 | 8348.2 | 8062.3 | 7984.2 | 7815.3 | 7686.5 |
| 57.5° | 6205.0 | 6255.8 | 6660.8 | 7262.0 | 8057.4 | 8634.2 | 8764.0 | 8581.5 | 8506.3 | 8263.3 | 8128.6 |
| 60°   | 5411.6 | 5492.6 | 5956.2 | 6709.6 | 7739.2 | 8633.2 | 9141.6 | 9091.9 | 9029.4 | 8704.4 | 8563.9 |
| 62.5° | 4513.7 | 4607.4 | 5053.4 | 5928.8 | 7182.9 | 8388.2 | 9377.8 | 9519.3 | 9487.1 | 9111.4 | 8931.8 |
| 65°   | 3466.5 | 3531.0 | 3975.0 | 4918.7 | 6317.3 | 7862.2 | 9405.2 | 9811.1 | 9817.0 | 9420.8 | 9124.1 |
| 67.5° | 2308.1 | 2493.5 | 2879.0 | 3691.0 | 5157.9 | 7002.4 | 9165.1 | 9859.0 | 9915.6 | 9527.1 | 9027.5 |
| 70°   | 1126.2 | 1370.2 | 1747.9 | 2398.9 | 3691.0 | 5683.9 | 8537.5 | 9466.6 | 9592.5 | 9216.8 | 8451.7 |
| 72.5° | 467.5  | 546.5  | 752.5  | 1183.8 | 2118.8 | 3835.5 | 7276.6 | 8402.9 | 8636.1 | 8166.7 | 7105.8 |
| 75°   | 315.2  | 341.6  | 430.4  | 607.0  | 965.2  | 1891.4 | 5247.6 | 6265.5 | 6641.3 | 6168.0 | 5041.7 |
| 77.5° | 243.0  | 259.6  | 313.3  | 424.5  | 573.9  | 715.4  | 2808.8 | 3775.9 | 3970.1 | 3675.4 | 2623.3 |
| 80°   | 191.3  | 204.0  | 234.2  | 309.4  | 407.0  | 382.6  | 957.4  | 1710.8 | 1823.1 | 1529.3 | 843.2  |
| 82.5° | 165.9  | 170.8  | 167.9  | 209.8  | 270.3  | 223.5  | 314.3  | 631.4  | 696.8  | 505.5  | 275.2  |
| 85°   | 120.0  | 133.7  | 139.6  | 129.8  | 143.5  | 113.2  | 128.8  | 223.5  | 245.9  | 219.6  | 155.2  |
| 87.5° | 48.8   | 72.2   | 88.8   | 83.9   | 52.7   | 32.2   | 40.0   | 65.4   | 75.1   | 82.0   | 50.7   |
| 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°    | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 | 2060.2 |
| 2.5°  | 2062.2 | 2069.0 | 2073.9 | 2079.7 | 2083.6 | 2089.5 | 2101.2 | 2108.0 | 2109.0 | 2113.9 | 2112.9 |
| 5°    | 2080.7 | 2090.5 | 2101.2 | 2116.8 | 2134.4 | 2149.0 | 2171.5 | 2187.1 | 2192.9 | 2197.8 | 2196.8 |
| 7.5°  | 2120.7 | 2134.4 | 2153.9 | 2181.2 | 2206.6 | 2226.1 | 2253.4 | 2272.0 | 2290.5 | 2297.4 | 2298.3 |
| 10°   | 2180.3 | 2199.8 | 2228.1 | 2265.2 | 2292.5 | 2317.9 | 2346.2 | 2361.8 | 2380.3 | 2388.1 | 2392.0 |
| 12.5° | 2254.4 | 2274.9 | 2312.0 | 2363.7 | 2389.1 | 2406.7 | 2416.4 | 2412.5 | 2416.4 | 2423.3 | 2425.2 |
| 15°   | 2339.3 | 2361.8 | 2403.7 | 2459.4 | 2476.9 | 2461.3 | 2439.9 | 2420.3 | 2417.4 | 2419.4 | 2426.2 |
| 17.5° | 2439.9 | 2456.4 | 2505.2 | 2552.1 | 2539.4 | 2475.0 | 2428.1 | 2396.9 | 2381.3 | 2376.4 | 2383.2 |
| 20°   | 2580.4 | 2580.4 | 2620.4 | 2649.7 | 2564.8 | 2455.5 | 2382.3 | 2331.5 | 2299.3 | 2285.7 | 2282.7 |
| 22.5° | 2751.2 | 2735.6 | 2760.9 | 2740.4 | 2559.9 | 2400.8 | 2299.3 | 2211.5 | 2162.7 | 2143.2 | 2140.2 |
| 25°   | 2967.8 | 2949.3 | 2942.5 | 2815.6 | 2524.8 | 2314.0 | 2149.0 | 2042.6 | 1999.7 | 1989.0 | 1990.9 |
| 27.5° | 3294.8 | 3247.9 | 3159.1 | 2856.6 | 2460.3 | 2177.3 | 1973.4 | 1874.8 | 1850.4 | 1851.4 | 1854.3 |
| 30°   | 3730.0 | 3636.4 | 3418.7 | 2863.4 | 2354.9 | 1984.1 | 1793.8 | 1723.5 | 1711.8 | 1716.7 | 1733.3 |
| 32.5° | 4133.1 | 4044.3 | 3684.2 | 2832.2 | 2192.9 | 1794.8 | 1632.8 | 1585.9 | 1568.3 | 1574.2 | 1582.0 |
| 35°   | 4449.3 | 4424.9 | 3930.1 | 2788.3 | 1993.8 | 1617.1 | 1488.3 | 1448.3 | 1414.1 | 1406.3 | 1412.2 |
| 37.5° | 4748.0 | 4738.2 | 4114.6 | 2726.8 | 1796.7 | 1491.2 | 1372.2 | 1319.5 | 1269.7 | 1242.4 | 1243.3 |
| 40°   | 5075.9 | 5066.1 | 4235.6 | 2632.1 | 1622.0 | 1381.9 | 1267.7 | 1198.5 | 1137.0 | 1087.2 | 1092.1 |
| 42.5° | 5444.8 | 5387.2 | 4293.2 | 2496.5 | 1473.7 | 1289.2 | 1182.8 | 1089.2 | 1008.1 | 962.3  | 965.2  |
| 45°   | 5847.8 | 5718.0 | 4292.2 | 2323.7 | 1348.8 | 1204.3 | 1092.1 | 959.4  | 884.2  | 841.3  | 839.3  |
| 47.5° | 6275.3 | 6034.2 | 4239.5 | 2132.4 | 1227.7 | 1110.6 | 951.5  | 850.0  | 800.3  | 773.9  | 768.1  |
| 50°   | 6716.4 | 6330.0 | 4149.7 | 1912.8 | 1103.8 | 1004.2 | 863.7  | 794.4  | 756.4  | 732.0  | 723.2  |
| 52.5° | 7131.2 | 6598.3 | 4041.4 | 1664.0 | 977.9  | 900.8  | 824.7  | 771.0  | 731.0  | 703.7  | 691.9  |
| 55°   | 7516.7 | 6829.6 | 3888.2 | 1409.3 | 875.4  | 831.5  | 806.1  | 761.2  | 715.4  | 683.2  | 670.5  |
| 57.5° | 7859.3 | 6979.9 | 3623.7 | 1170.2 | 802.2  | 783.7  | 786.6  | 744.6  | 691.9  | 664.6  | 647.0  |
| 60°   | 8144.2 | 7090.2 | 3232.3 | 948.6  | 742.7  | 736.8  | 756.4  | 713.4  | 651.9  | 620.7  | 607.0  |
| 62.5° | 8315.0 | 7088.3 | 2752.2 | 776.8  | 691.9  | 693.9  | 716.3  | 674.4  | 611.9  | 582.6  | 573.9  |
| 65°   | 8300.4 | 6914.5 | 2225.1 | 664.6  | 643.1  | 645.1  | 674.4  | 631.4  | 578.7  | 561.2  | 560.2  |
| 67.5° | 8006.6 | 6491.0 | 1706.9 | 591.4  | 589.5  | 598.3  | 632.4  | 602.2  | 558.2  | 556.3  | 559.2  |
| 70°   | 7211.2 | 5611.7 | 1229.7 | 532.9  | 533.8  | 546.5  | 591.4  | 583.6  | 547.5  | 551.4  | 550.4  |
| 72.5° | 5782.5 | 4278.5 | 825.6  | 471.4  | 472.4  | 492.9  | 552.4  | 569.0  | 536.8  | 588.5  | 596.3  |
| 75°   | 3851.1 | 2668.2 | 530.9  | 406.0  | 407.0  | 433.3  | 518.2  | 540.7  | 507.5  | 586.5  | 591.4  |
| 77.5° | 1850.4 | 1199.4 | 384.5  | 341.6  | 341.6  | 366.0  | 448.0  | 484.1  | 432.3  | 455.8  | 417.7  |
| 80°   | 639.2  | 450.9  | 302.5  | 275.2  | 269.4  | 286.0  | 377.7  | 419.7  | 372.8  | 343.5  | 322.1  |
| 82.5° | 251.8  | 234.2  | 243.0  | 213.7  | 194.2  | 204.9  | 293.8  | 346.5  | 274.2  | 247.9  | 246.9  |
| 85°   | 144.4  | 152.2  | 171.8  | 141.5  | 112.2  | 125.9  | 215.7  | 248.9  | 206.9  | 182.5  | 186.4  |
| 87.5° | 39.0   | 53.7   | 79.1   | 73.2   | 50.7   | 53.7   | 102.5  | 137.6  | 119.1  | 91.7   | 94.7   |
| 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)