

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: P939567

Luminaire Tested: **GALN-SB2B-722-U-T3**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P939567  
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-SB2B-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9309 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 73.9  
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

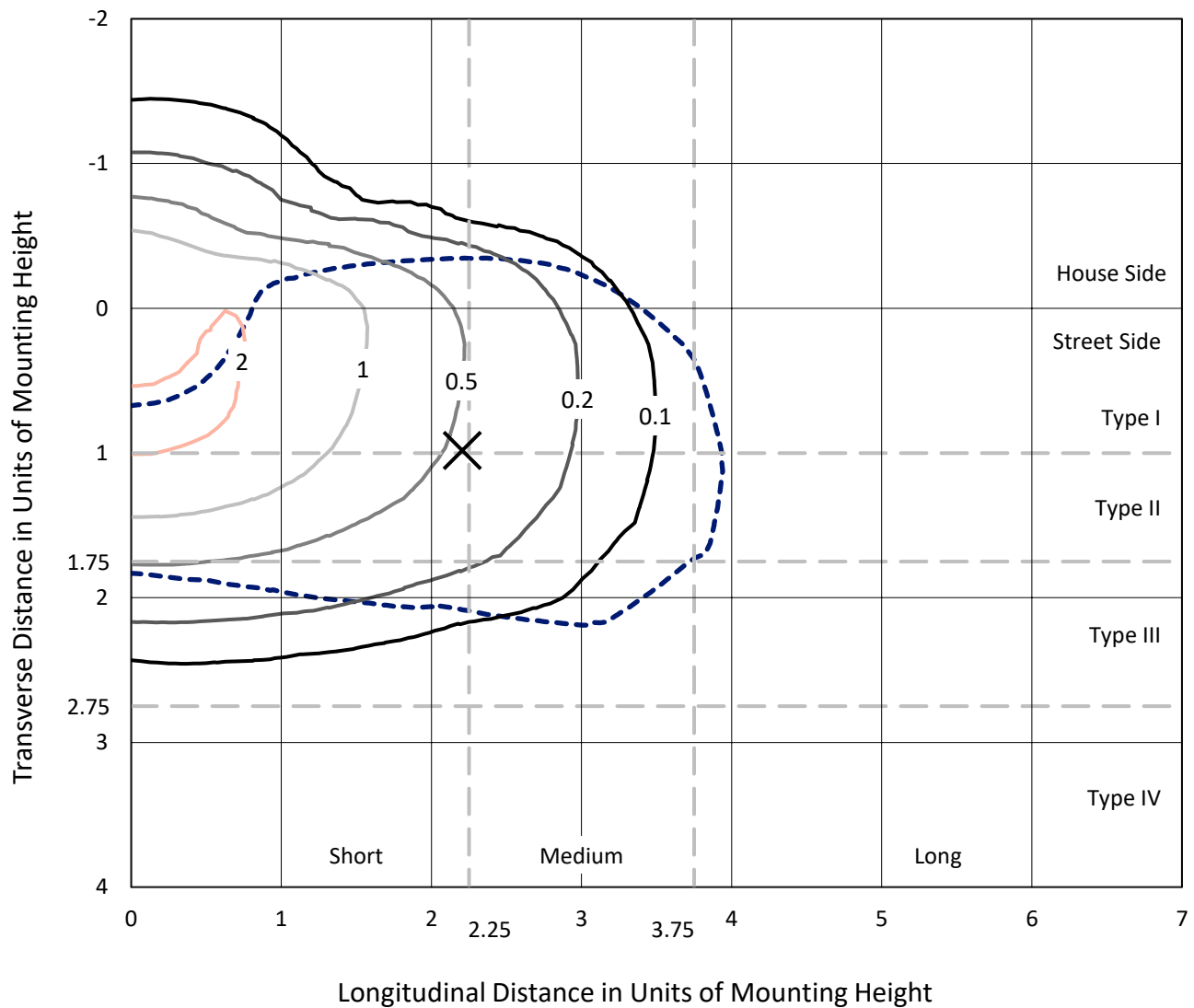


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

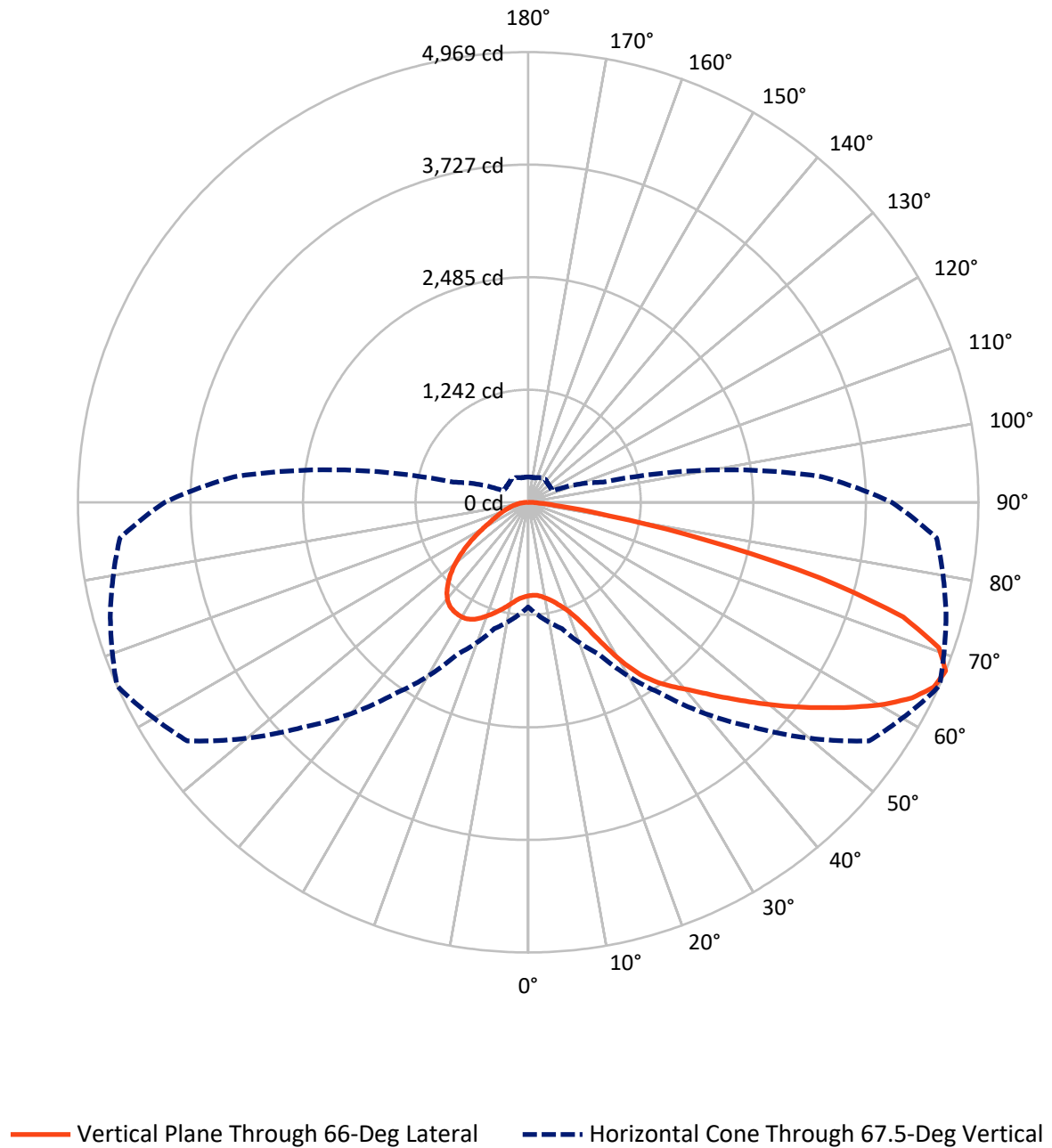


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2314.7   | 0.0    | 2314.7 |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 6994.4   | 0.0    | 6994.4 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 9309.0   | 0.0    | 9309.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.4  | 1.1       |
| 10°-20°   | 338.2  | 3.6       |
| 20°-30°   | 651.9  | 7.0       |
| 30°-40°   | 1143.0 | 12.3      |
| 40°-50°   | 1699.2 | 18.3      |
| 50°-60°   | 2154.0 | 23.1      |
| 60°-70°   | 2107.6 | 22.6      |
| 70°-80°   | 1005.3 | 10.8      |
| 80°-90°   | 107.4  | 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°    | 9309.0 | 100.0     |
| 0°-180°   | 9309.0 | 100.0     |

**Coefficient of Utilization**



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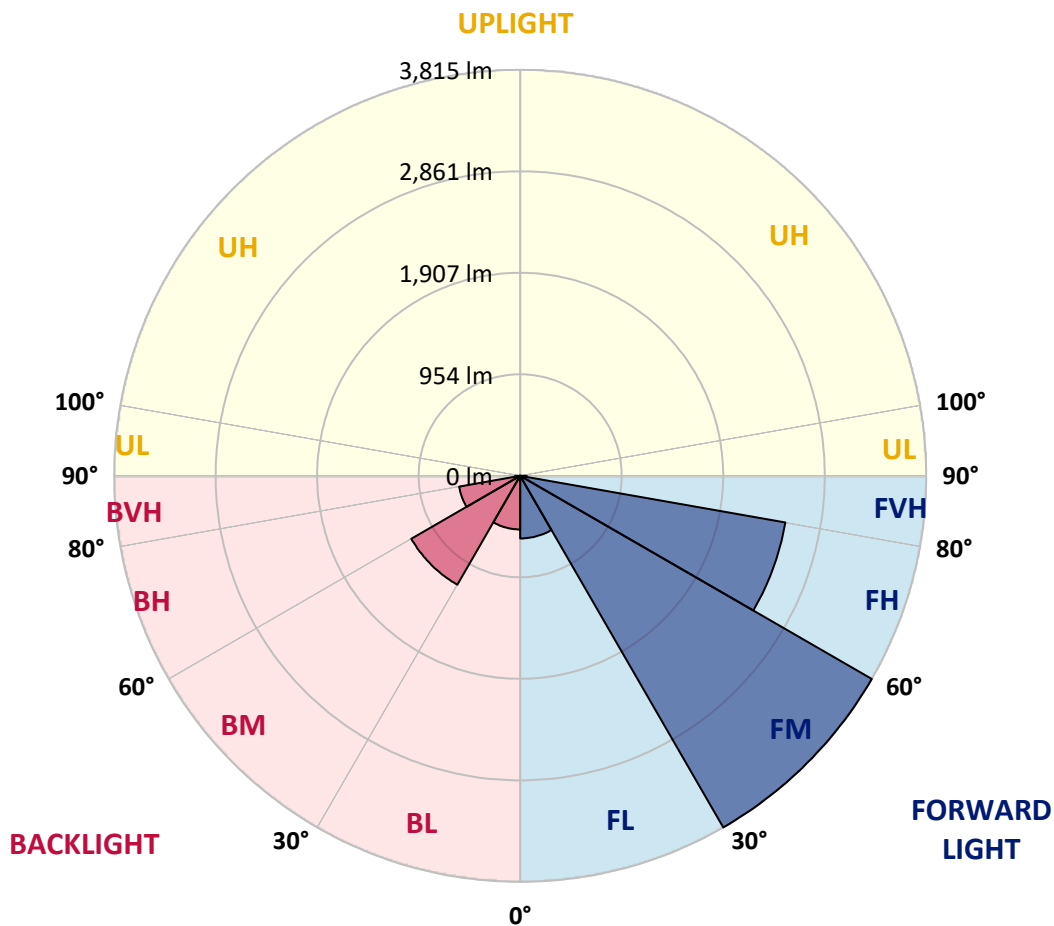
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 588.2  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 3814.8 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 2530.4 | 27.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 60.9   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 504.2  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1181.4 | 12.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 582.5  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 46.5   | 0.5       |                         |      | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 |
| 2.5°  | 1021.7 | 1027.6 | 1026.1 | 1023.7 | 1023.2 | 1024.2 | 1025.6 | 1027.1 | 1026.6 | 1029.1 | 1033.0 |
| 5°    | 1018.8 | 1024.7 | 1024.2 | 1024.2 | 1026.1 | 1030.0 | 1032.5 | 1034.9 | 1032.5 | 1035.4 | 1040.8 |
| 7.5°  | 1020.8 | 1025.2 | 1027.1 | 1029.1 | 1034.0 | 1041.3 | 1047.2 | 1052.5 | 1049.6 | 1053.0 | 1059.9 |
| 10°   | 1045.7 | 1049.1 | 1051.1 | 1051.1 | 1054.5 | 1062.8 | 1068.7 | 1078.5 | 1076.0 | 1081.4 | 1090.2 |
| 12.5° | 1091.2 | 1094.6 | 1094.6 | 1092.7 | 1095.1 | 1100.5 | 1102.4 | 1113.2 | 1108.8 | 1117.6 | 1126.4 |
| 15°   | 1146.9 | 1153.8 | 1148.4 | 1145.0 | 1146.0 | 1151.3 | 1150.9 | 1159.2 | 1154.8 | 1162.1 | 1169.9 |
| 17.5° | 1208.6 | 1217.4 | 1208.6 | 1208.1 | 1206.1 | 1212.0 | 1212.5 | 1219.8 | 1212.0 | 1217.4 | 1222.8 |
| 20°   | 1281.4 | 1293.7 | 1286.3 | 1288.8 | 1284.4 | 1286.8 | 1289.3 | 1300.0 | 1287.8 | 1291.7 | 1290.2 |
| 22.5° | 1384.2 | 1398.8 | 1391.0 | 1400.3 | 1397.4 | 1395.4 | 1394.9 | 1414.0 | 1394.9 | 1396.4 | 1382.2 |
| 25°   | 1533.8 | 1551.4 | 1537.7 | 1550.4 | 1550.4 | 1556.8 | 1564.1 | 1588.6 | 1556.8 | 1547.5 | 1510.8 |
| 27.5° | 1754.9 | 1772.5 | 1745.6 | 1753.4 | 1751.0 | 1766.6 | 1758.8 | 1819.5 | 1785.2 | 1770.1 | 1696.2 |
| 30°   | 2021.0 | 2052.3 | 2001.4 | 1999.4 | 1997.0 | 2021.9 | 2033.2 | 2073.3 | 2038.6 | 2023.4 | 1934.4 |
| 32.5° | 2308.6 | 2341.3 | 2280.7 | 2263.1 | 2253.8 | 2268.9 | 2259.6 | 2291.9 | 2268.0 | 2244.5 | 2134.4 |
| 35°   | 2612.8 | 2645.1 | 2587.3 | 2553.1 | 2515.9 | 2484.1 | 2450.9 | 2459.2 | 2436.7 | 2401.0 | 2287.0 |
| 37.5° | 2900.4 | 2959.5 | 2898.4 | 2861.7 | 2793.3 | 2731.1 | 2638.2 | 2599.6 | 2578.5 | 2545.8 | 2430.8 |
| 40°   | 3193.3 | 3227.1 | 3180.6 | 3149.3 | 3075.0 | 2977.6 | 2829.0 | 2747.3 | 2718.9 | 2687.1 | 2589.8 |
| 42.5° | 3409.0 | 3441.3 | 3416.4 | 3394.8 | 3336.6 | 3223.7 | 3031.4 | 2929.2 | 2888.1 | 2852.4 | 2769.8 |
| 45°   | 3580.2 | 3604.2 | 3588.5 | 3596.4 | 3571.4 | 3461.9 | 3241.3 | 3124.4 | 3081.8 | 3038.3 | 2973.2 |
| 47.5° | 3649.2 | 3674.6 | 3699.6 | 3746.0 | 3788.6 | 3707.9 | 3466.7 | 3335.7 | 3290.7 | 3246.2 | 3182.1 |
| 50°   | 3641.4 | 3667.3 | 3739.7 | 3838.5 | 3970.5 | 3943.6 | 3704.4 | 3560.7 | 3519.1 | 3468.2 | 3409.0 |
| 52.5° | 3578.7 | 3608.1 | 3701.0 | 3865.4 | 4075.7 | 4120.2 | 3946.6 | 3793.0 | 3753.8 | 3693.2 | 3634.0 |
| 55°   | 3414.4 | 3432.0 | 3571.4 | 3804.2 | 4100.6 | 4243.4 | 4183.8 | 4040.5 | 4001.3 | 3916.7 | 3852.2 |
| 57.5° | 3109.7 | 3135.1 | 3338.1 | 3639.4 | 4038.0 | 4327.1 | 4392.1 | 4300.7 | 4263.0 | 4141.2 | 4073.7 |
| 60°   | 2712.1 | 2752.7 | 2985.0 | 3362.6 | 3878.6 | 4326.6 | 4581.4 | 4556.5 | 4525.2 | 4362.3 | 4291.9 |
| 62.5° | 2262.1 | 2309.0 | 2532.6 | 2971.3 | 3599.8 | 4203.8 | 4699.8 | 4770.7 | 4754.5 | 4566.2 | 4476.2 |
| 65°   | 1737.3 | 1769.6 | 1992.1 | 2465.1 | 3165.9 | 3940.2 | 4713.5 | 4916.9 | 4919.9 | 4721.3 | 4572.6 |
| 67.5° | 1156.7 | 1249.7 | 1442.8 | 1849.8 | 2584.9 | 3509.3 | 4593.1 | 4940.9 | 4969.3 | 4774.6 | 4524.2 |
| 70°   | 564.4  | 686.7  | 876.0  | 1202.2 | 1849.8 | 2848.5 | 4278.7 | 4744.3 | 4807.4 | 4619.1 | 4235.6 |
| 72.5° | 234.3  | 273.9  | 377.1  | 593.3  | 1061.8 | 1922.2 | 3646.7 | 4211.2 | 4328.1 | 4092.8 | 3561.1 |
| 75°   | 158.0  | 171.2  | 215.7  | 304.2  | 483.7  | 947.9  | 2629.9 | 3140.0 | 3328.3 | 3091.1 | 2526.7 |
| 77.5° | 121.8  | 130.1  | 157.0  | 212.8  | 287.6  | 358.5  | 1407.6 | 1892.3 | 1989.7 | 1842.0 | 1314.7 |
| 80°   | 95.9   | 102.2  | 117.4  | 155.0  | 204.0  | 191.7  | 479.8  | 857.4  | 913.6  | 766.4  | 422.6  |
| 82.5° | 83.1   | 85.6   | 84.1   | 105.2  | 135.5  | 112.0  | 157.5  | 316.4  | 349.2  | 253.4  | 137.9  |
| 85°   | 60.2   | 67.0   | 69.9   | 65.1   | 71.9   | 56.7   | 64.6   | 112.0  | 123.3  | 110.0  | 77.8   |
| 87.5° | 24.5   | 36.2   | 44.5   | 42.1   | 26.4   | 16.1   | 20.1   | 32.8   | 37.7   | 41.1   | 25.4   |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 |
| 2.5°  | 1033.5 | 1036.9 | 1039.3 | 1042.3 | 1044.2 | 1047.2 | 1053.0 | 1056.5 | 1056.9 | 1059.4 | 1058.9 |
| 5°    | 1042.8 | 1047.7 | 1053.0 | 1060.9 | 1069.7 | 1077.0 | 1088.2 | 1096.1 | 1099.0 | 1101.5 | 1101.0 |
| 7.5°  | 1062.8 | 1069.7 | 1079.4 | 1093.1 | 1105.9 | 1115.6 | 1129.3 | 1138.6 | 1147.9 | 1151.3 | 1151.8 |
| 10°   | 1092.7 | 1102.4 | 1116.6 | 1135.2 | 1148.9 | 1161.6 | 1175.8 | 1183.6 | 1192.9 | 1196.8 | 1198.8 |
| 12.5° | 1129.8 | 1140.1 | 1158.7 | 1184.6 | 1197.3 | 1206.1 | 1211.0 | 1209.1 | 1211.0 | 1214.4 | 1215.4 |
| 15°   | 1172.4 | 1183.6 | 1204.7 | 1232.5 | 1241.3 | 1233.5 | 1222.8 | 1213.0 | 1211.5 | 1212.5 | 1215.9 |
| 17.5° | 1222.8 | 1231.1 | 1255.5 | 1279.0 | 1272.6 | 1240.4 | 1216.9 | 1201.2 | 1193.4 | 1191.0 | 1194.4 |
| 20°   | 1293.2 | 1293.2 | 1313.2 | 1327.9 | 1285.4 | 1230.6 | 1193.9 | 1168.5 | 1152.3 | 1145.5 | 1144.0 |
| 22.5° | 1378.8 | 1370.9 | 1383.7 | 1373.4 | 1282.9 | 1203.2 | 1152.3 | 1108.3 | 1083.8 | 1074.1 | 1072.6 |
| 25°   | 1487.4 | 1478.1 | 1474.6 | 1411.1 | 1265.3 | 1159.7 | 1077.0 | 1023.7 | 1002.2 | 996.8  | 997.8  |
| 27.5° | 1651.2 | 1627.7 | 1583.2 | 1431.6 | 1233.0 | 1091.2 | 989.0  | 939.6  | 927.3  | 927.8  | 929.3  |
| 30°   | 1869.3 | 1822.4 | 1713.3 | 1435.0 | 1180.2 | 994.3  | 899.0  | 863.8  | 857.9  | 860.3  | 868.6  |
| 32.5° | 2071.3 | 2026.8 | 1846.4 | 1419.4 | 1099.0 | 899.5  | 818.3  | 794.8  | 786.0  | 788.9  | 792.8  |
| 35°   | 2229.8 | 2217.6 | 1969.6 | 1397.4 | 999.2  | 810.4  | 745.9  | 725.8  | 708.7  | 704.8  | 707.7  |
| 37.5° | 2379.5 | 2374.6 | 2062.0 | 1366.5 | 900.4  | 747.3  | 687.7  | 661.3  | 636.3  | 622.6  | 623.1  |
| 40°   | 2543.8 | 2538.9 | 2122.7 | 1319.1 | 812.9  | 692.6  | 635.3  | 600.6  | 569.8  | 544.9  | 547.3  |
| 42.5° | 2728.7 | 2699.8 | 2151.6 | 1251.1 | 738.5  | 646.1  | 592.8  | 545.8  | 505.2  | 482.3  | 483.7  |
| 45°   | 2930.7 | 2865.6 | 2151.1 | 1164.5 | 675.9  | 603.5  | 547.3  | 480.8  | 443.1  | 421.6  | 420.6  |
| 47.5° | 3144.9 | 3024.1 | 2124.7 | 1068.7 | 615.3  | 556.6  | 476.9  | 426.0  | 401.1  | 387.9  | 384.9  |
| 50°   | 3366.0 | 3172.3 | 2079.7 | 958.6  | 553.2  | 503.3  | 432.9  | 398.1  | 379.1  | 366.8  | 362.4  |
| 52.5° | 3573.9 | 3306.8 | 2025.4 | 833.9  | 490.1  | 451.4  | 413.3  | 386.4  | 366.3  | 352.6  | 346.8  |
| 55°   | 3767.1 | 3422.7 | 1948.6 | 706.3  | 438.7  | 416.7  | 404.0  | 381.5  | 358.5  | 342.4  | 336.0  |
| 57.5° | 3938.7 | 3498.0 | 1816.0 | 586.4  | 402.0  | 392.7  | 394.2  | 373.2  | 346.8  | 333.1  | 324.3  |
| 60°   | 4081.5 | 3553.3 | 1619.9 | 475.4  | 372.2  | 369.3  | 379.1  | 357.5  | 326.7  | 311.1  | 304.2  |
| 62.5° | 4167.1 | 3552.3 | 1379.3 | 389.3  | 346.8  | 347.8  | 359.0  | 338.0  | 306.7  | 292.0  | 287.6  |
| 65°   | 4159.8 | 3465.3 | 1115.1 | 333.1  | 322.3  | 323.3  | 338.0  | 316.4  | 290.0  | 281.2  | 280.7  |
| 67.5° | 4012.6 | 3253.0 | 855.4  | 296.4  | 295.4  | 299.8  | 316.9  | 301.8  | 279.8  | 278.8  | 280.3  |
| 70°   | 3614.0 | 2812.3 | 616.3  | 267.0  | 267.5  | 273.9  | 296.4  | 292.5  | 274.4  | 276.3  | 275.9  |
| 72.5° | 2897.9 | 2144.2 | 413.8  | 236.2  | 236.7  | 247.0  | 276.8  | 285.1  | 269.0  | 294.9  | 298.8  |
| 75°   | 1930.0 | 1337.2 | 266.1  | 203.5  | 204.0  | 217.2  | 259.7  | 271.0  | 254.3  | 293.9  | 296.4  |
| 77.5° | 927.3  | 601.1  | 192.7  | 171.2  | 171.2  | 183.4  | 224.5  | 242.6  | 216.7  | 228.4  | 209.3  |
| 80°   | 320.4  | 226.0  | 151.6  | 137.9  | 135.0  | 143.3  | 189.3  | 210.3  | 186.8  | 172.2  | 161.4  |
| 82.5° | 126.2  | 117.4  | 121.8  | 107.1  | 97.3   | 102.7  | 147.2  | 173.6  | 137.4  | 124.2  | 123.7  |
| 85°   | 72.4   | 76.3   | 86.1   | 70.9   | 56.2   | 63.1   | 108.1  | 124.7  | 103.7  | 91.5   | 93.4   |
| 87.5° | 19.6   | 26.9   | 39.6   | 36.7   | 25.4   | 26.9   | 51.4   | 69.0   | 59.7   | 46.0   | 47.4   |
| 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)