

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: P956268

Luminaire Tested: **GALN-SB9A-722-U-T2R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-722-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34378 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 255.5  
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



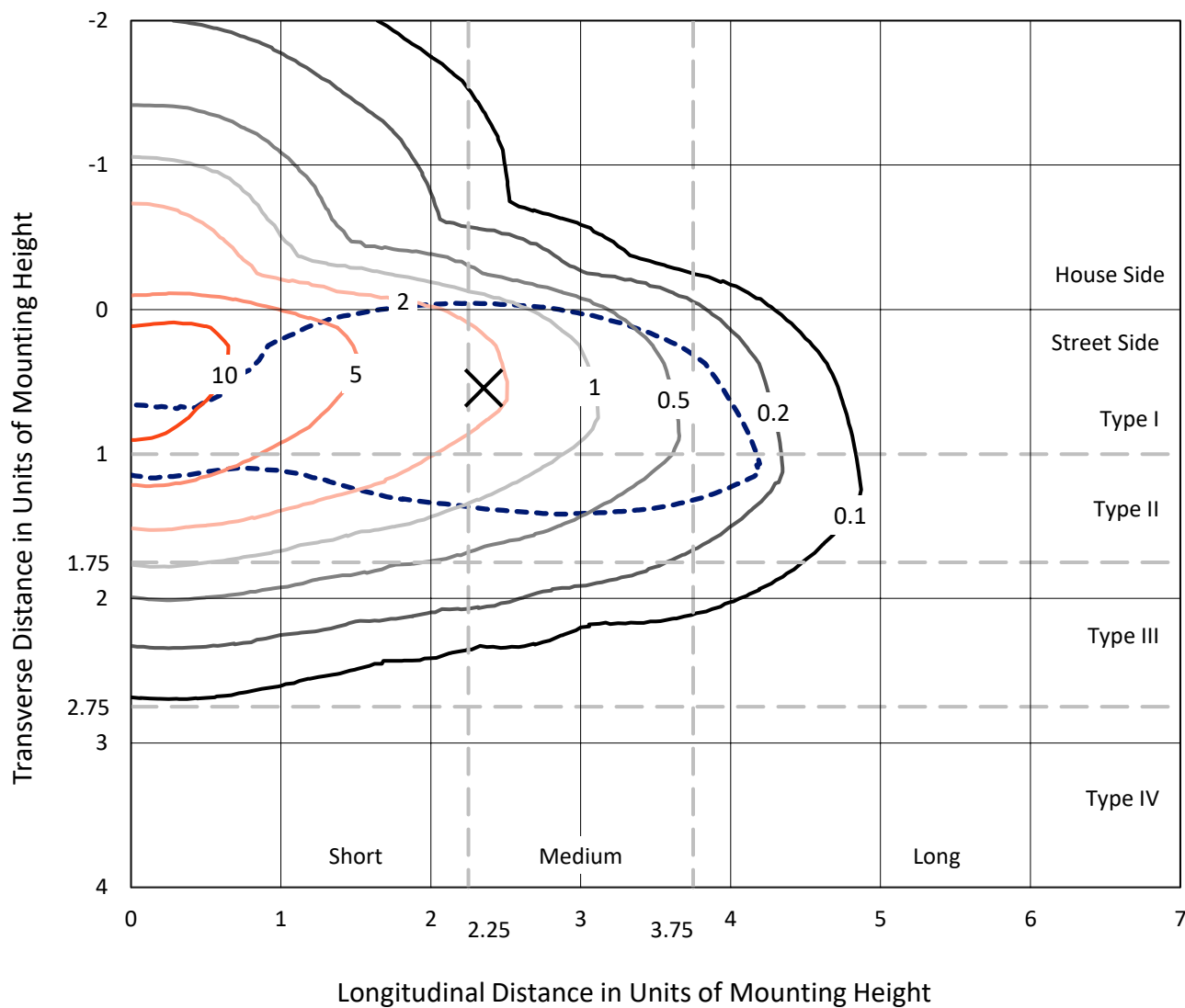
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

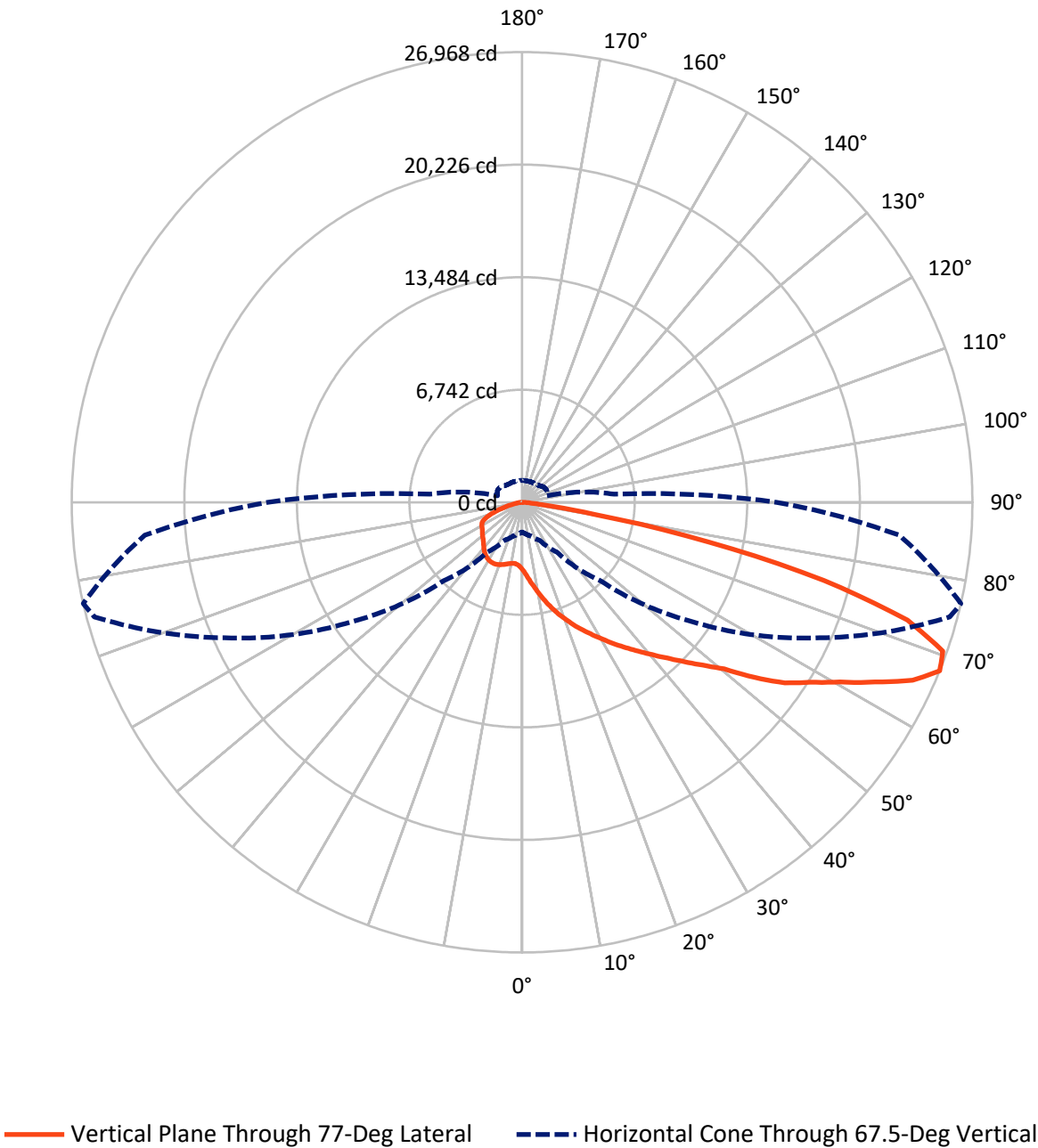
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6502.9   | 0.0    | 6502.9  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 27875.0  | 0.0    | 27875.0 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 34378.0  | 0.0    | 34378.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 432.4   | 1.3       |
| 10°-20°   | 1553.3  | 4.5       |
| 20°-30°   | 2932.7  | 8.5       |
| 30°-40°   | 4724.5  | 13.7      |
| 40°-50°   | 6462.3  | 18.8      |
| 50°-60°   | 7289.5  | 21.2      |
| 60°-70°   | 6803.8  | 19.8      |
| 70°-80°   | 3729.6  | 10.8      |
| 80°-90°   | 449.9   | 1.3       |
| 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°    | 34378.0 | 100.0     |
| 0°-180°   | 34378.0 | 100.0     |

**Coefficient of Utilization**



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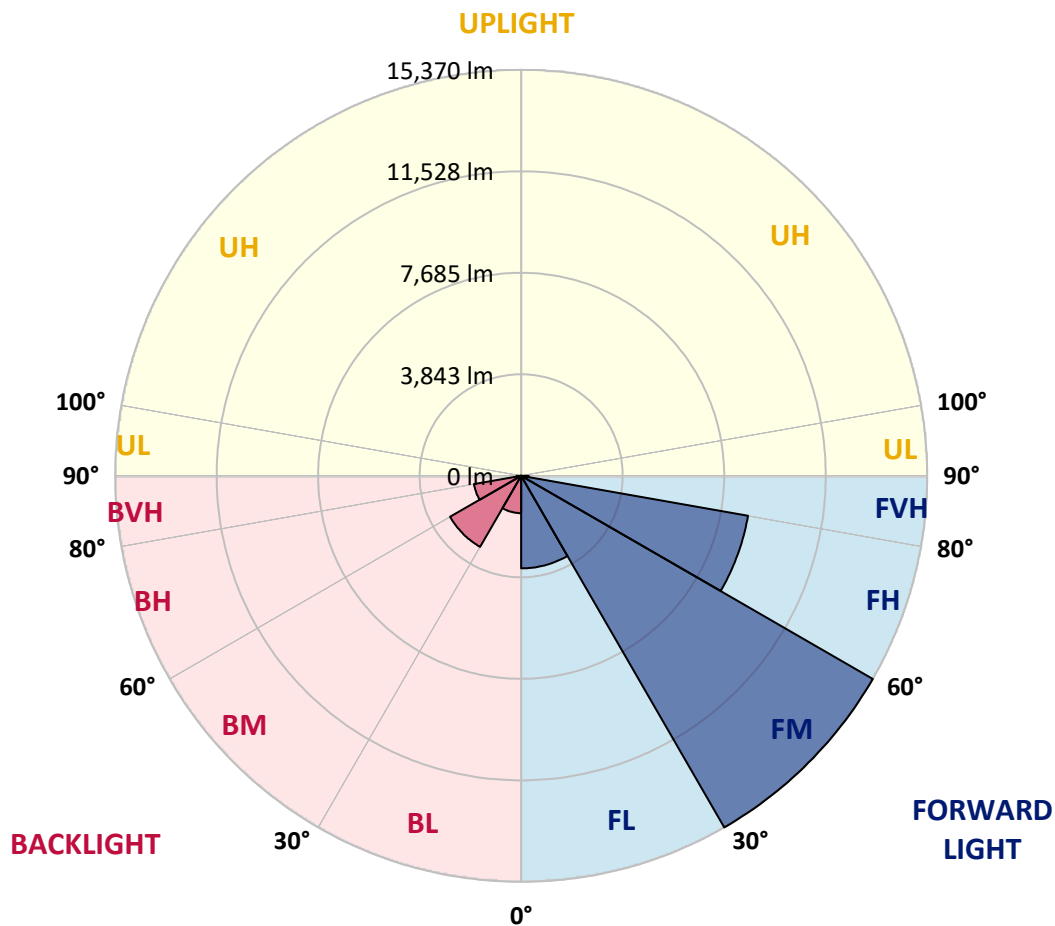
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3504.4  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 15370.0 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 8719.3  | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 281.3   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1413.9  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3106.3  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1814.2  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 168.5   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  | 4033.6  |
| 2.5°  | 5050.4  | 5085.9  | 5041.6  | 5041.6  | 4892.5  | 4814.4  | 4665.4  | 4551.8  | 4347.7  | 4312.2  | 4177.3  |
| 5°    | 5969.7  | 6014.0  | 5951.9  | 5925.3  | 5749.6  | 5588.1  | 5337.9  | 5091.3  | 4727.5  | 4690.2  | 4372.6  |
| 7.5°  | 6681.3  | 6738.1  | 6683.0  | 6654.7  | 6498.5  | 6317.5  | 6024.7  | 5680.4  | 5167.6  | 5094.8  | 4635.2  |
| 10°   | 7261.6  | 7270.4  | 7252.7  | 7263.3  | 7140.9  | 6991.8  | 6691.9  | 6290.9  | 5650.2  | 5550.9  | 4952.8  |
| 12.5° | 7589.9  | 7630.7  | 7666.2  | 7730.0  | 7708.8  | 7616.5  | 7346.7  | 6867.6  | 6161.3  | 6033.6  | 5298.9  |
| 15°   | 7744.2  | 7815.2  | 7895.1  | 8042.4  | 8161.3  | 8184.3  | 7978.5  | 7486.9  | 6681.3  | 6526.9  | 5648.5  |
| 17.5° | 7799.3  | 7866.7  | 7992.7  | 8205.6  | 8461.2  | 8633.3  | 8541.0  | 8088.5  | 7195.9  | 7018.4  | 6015.8  |
| 20°   | 8077.9  | 8097.4  | 8173.7  | 8376.0  | 8652.8  | 8938.5  | 9007.7  | 8667.0  | 7705.2  | 7504.7  | 6395.6  |
| 22.5° | 8674.1  | 8635.1  | 8656.4  | 8748.7  | 8947.4  | 9224.2  | 9382.2  | 9178.1  | 8228.7  | 7998.0  | 6778.9  |
| 25°   | 9659.0  | 9545.4  | 9431.9  | 9325.4  | 9426.5  | 9582.7  | 9761.9  | 9689.2  | 8777.0  | 8484.2  | 7165.7  |
| 27.5° | 10903.0 | 10764.6 | 10514.4 | 10164.8 | 10042.3 | 10097.3 | 10177.2 | 10163.0 | 9284.6  | 8988.2  | 7565.0  |
| 30°   | 12127.4 | 11966.0 | 11667.8 | 11162.1 | 10839.1 | 10693.6 | 10633.2 | 10592.4 | 9836.5  | 9520.6  | 7967.8  |
| 32.5° | 13105.2 | 12977.5 | 12684.7 | 12118.6 | 11650.1 | 11401.6 | 11201.1 | 11055.6 | 10413.2 | 10097.3 | 8393.7  |
| 35°   | 13960.6 | 13841.7 | 13506.3 | 12888.7 | 12379.4 | 12115.0 | 11852.4 | 11541.8 | 11013.0 | 10693.6 | 8851.6  |
| 37.5° | 14741.4 | 14622.5 | 14162.9 | 13520.5 | 13007.6 | 12824.8 | 12590.6 | 12063.6 | 11614.6 | 11312.9 | 9336.0  |
| 40°   | 15234.7 | 15208.1 | 14778.7 | 14051.1 | 13518.7 | 13428.2 | 13350.1 | 12668.7 | 12281.8 | 12001.4 | 9868.4  |
| 42.5° | 15360.7 | 15419.3 | 15078.6 | 14480.5 | 13973.0 | 13900.2 | 14083.0 | 13353.7 | 13030.7 | 12762.7 | 10471.8 |
| 45°   | 15057.3 | 15225.8 | 15002.3 | 14595.9 | 14296.0 | 14256.9 | 14732.5 | 14102.5 | 13859.4 | 13614.5 | 11199.3 |
| 47.5° | 14288.9 | 14574.6 | 14482.3 | 14425.5 | 14382.9 | 14551.5 | 15303.9 | 14897.6 | 14798.2 | 14585.2 | 12029.8 |
| 50°   | 12737.9 | 13279.1 | 13440.6 | 13799.1 | 14210.8 | 14780.4 | 15823.9 | 15765.3 | 15894.9 | 15680.1 | 13041.3 |
| 52.5° | 10056.5 | 10801.8 | 11738.8 | 12636.7 | 13682.0 | 14704.1 | 16395.3 | 17011.1 | 17557.6 | 17440.5 | 14649.1 |
| 55°   | 8301.5  | 8636.9  | 9357.3  | 11004.1 | 12656.3 | 14382.9 | 16652.6 | 18017.3 | 19208.0 | 19103.3 | 15868.2 |
| 57.5° | 6952.8  | 7252.7  | 7696.3  | 9071.6  | 11105.3 | 13653.6 | 16812.3 | 18631.3 | 20338.4 | 20327.7 | 17071.4 |
| 60°   | 5506.5  | 5824.2  | 6278.4  | 7252.7  | 9293.4  | 12393.6 | 16776.8 | 19330.4 | 21781.1 | 21869.9 | 18539.0 |
| 62.5° | 3873.9  | 4223.5  | 4727.5  | 5636.0  | 7442.6  | 10761.0 | 16052.8 | 19836.2 | 23479.4 | 23720.7 | 20304.7 |
| 65°   | 2546.5  | 2777.2  | 3157.0  | 3941.3  | 5545.5  | 8661.7  | 14670.4 | 19901.9 | 25296.6 | 25704.7 | 21962.1 |
| 67.5° | 1785.2  | 1874.0  | 2097.5  | 2523.4  | 3655.6  | 6642.2  | 12468.2 | 19222.2 | 26508.6 | 26968.2 | 22680.8 |
| 70°   | 1393.0  | 1437.4  | 1551.0  | 1721.3  | 2296.3  | 4466.6  | 9554.3  | 17454.7 | 26249.5 | 26728.6 | 21930.2 |
| 72.5° | 1203.2  | 1245.8  | 1288.3  | 1309.6  | 1540.3  | 2757.7  | 6471.9  | 14594.1 | 23809.5 | 24134.2 | 19067.8 |
| 75°   | 1091.4  | 1102.0  | 1137.5  | 1130.4  | 1174.8  | 1788.8  | 3735.5  | 10633.2 | 18785.6 | 18673.8 | 14075.9 |
| 77.5° | 917.5   | 931.7   | 990.2   | 981.3   | 1043.4  | 1222.7  | 1939.6  | 6862.3  | 12178.9 | 11419.4 | 7834.7  |
| 80°   | 777.3   | 784.4   | 848.2   | 837.6   | 906.8   | 885.5   | 990.2   | 3497.7  | 5165.8  | 4376.1  | 2259.0  |
| 82.5° | 269.7   | 333.6   | 647.7   | 667.2   | 692.1   | 535.9   | 571.4   | 1426.8  | 1577.6  | 1208.5  | 473.8   |
| 85°   | 131.3   | 140.2   | 330.1   | 468.5   | 466.7   | 269.7   | 278.6   | 509.3   | 496.9   | 390.4   | 157.9   |
| 87.5° | 21.3    | 26.6    | 39.0    | 182.8   | 145.5   | 71.0    | 95.8    | 99.4    | 102.9   | 88.7    | 35.5    |
| 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°    | 4033.6  | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 | 4033.6 |
| 2.5°  | 4078.0  | 3989.2 | 3802.9 | 3630.8 | 3495.9 | 3366.4 | 3293.6 | 3231.5 | 3196.0 | 3188.9 | 3188.9 |
| 5°    | 4188.0  | 4005.2 | 3666.3 | 3380.6 | 3194.2 | 3055.8 | 2983.1 | 2936.9 | 2913.9 | 2899.7 | 2897.9 |
| 7.5°  | 4345.9  | 4078.0 | 3595.3 | 3270.5 | 3075.3 | 2976.0 | 2938.7 | 2931.6 | 2929.8 | 2931.6 | 2936.9 |
| 10°   | 4564.2  | 4196.9 | 3588.2 | 3243.9 | 3080.7 | 3025.6 | 3023.9 | 3025.6 | 3032.7 | 3034.5 | 3036.3 |
| 12.5° | 4800.2  | 4319.3 | 3616.6 | 3267.0 | 3148.1 | 3117.9 | 3112.6 | 3110.8 | 3116.2 | 3119.7 | 3121.5 |
| 15°   | 5057.5  | 4480.8 | 3664.5 | 3316.7 | 3222.6 | 3190.7 | 3185.4 | 3174.7 | 3172.9 | 3171.2 | 3169.4 |
| 17.5° | 5321.9  | 4640.5 | 3717.7 | 3369.9 | 3270.5 | 3226.2 | 3206.7 | 3181.8 | 3162.3 | 3157.0 | 3162.3 |
| 20°   | 5589.9  | 4798.4 | 3755.0 | 3396.5 | 3274.1 | 3212.0 | 3172.9 | 3130.3 | 3096.6 | 3077.1 | 3084.2 |
| 22.5° | 5875.6  | 4963.5 | 3778.1 | 3389.4 | 3242.1 | 3157.0 | 3086.0 | 3036.3 | 2984.8 | 2951.1 | 2952.9 |
| 25°   | 6154.2  | 5107.2 | 3776.3 | 3352.2 | 3180.0 | 3071.8 | 2981.3 | 2917.4 | 2846.4 | 2810.9 | 2810.9 |
| 27.5° | 6422.2  | 5236.8 | 3731.9 | 3286.5 | 3091.3 | 2970.6 | 2862.4 | 2786.1 | 2716.9 | 2683.2 | 2681.4 |
| 30°   | 6699.0  | 5345.0 | 3662.7 | 3190.7 | 2986.6 | 2853.5 | 2734.6 | 2669.0 | 2606.8 | 2574.9 | 2573.1 |
| 32.5° | 6974.1  | 5444.4 | 3565.1 | 3071.8 | 2865.9 | 2738.2 | 2621.0 | 2560.7 | 2523.4 | 2523.4 | 2525.2 |
| 35°   | 7265.1  | 5513.6 | 3435.6 | 2933.4 | 2738.2 | 2615.7 | 2523.4 | 2488.0 | 2484.4 | 2463.1 | 2457.8 |
| 37.5° | 7572.1  | 5558.0 | 3277.6 | 2791.4 | 2612.2 | 2496.8 | 2468.4 | 2425.8 | 2390.4 | 2344.2 | 2337.1 |
| 40°   | 7895.1  | 5602.3 | 3087.8 | 2644.1 | 2479.1 | 2415.2 | 2402.8 | 2346.0 | 2244.8 | 2131.3 | 2115.3 |
| 42.5° | 8287.3  | 5632.5 | 2890.8 | 2496.8 | 2338.9 | 2317.6 | 2335.3 | 2237.7 | 2076.3 | 1991.1 | 1992.8 |
| 45°   | 8741.6  | 5682.2 | 2709.8 | 2351.3 | 2195.1 | 2195.1 | 2269.7 | 2141.9 | 2008.8 | 1955.6 | 1964.5 |
| 47.5° | 9330.7  | 5797.5 | 2541.2 | 2191.6 | 2062.1 | 2097.5 | 2124.2 | 2026.6 | 1952.0 | 1886.4 | 1884.6 |
| 50°   | 10182.5 | 6074.4 | 2367.3 | 2030.1 | 1960.9 | 2031.9 | 1994.6 | 1937.8 | 1850.9 | 1797.6 | 1792.3 |
| 52.5° | 11240.2 | 6237.6 | 2212.9 | 1884.6 | 1874.0 | 1944.9 | 1891.7 | 1838.5 | 1772.8 | 1701.8 | 1687.6 |
| 55°   | 11960.6 | 6267.8 | 2083.4 | 1778.1 | 1815.4 | 1808.3 | 1788.8 | 1740.9 | 1705.4 | 1611.3 | 1613.1 |
| 57.5° | 12766.3 | 6328.1 | 1976.9 | 1714.2 | 1778.1 | 1700.0 | 1692.9 | 1652.1 | 1606.0 | 1542.1 | 1520.8 |
| 60°   | 13729.9 | 6422.2 | 1884.6 | 1689.4 | 1746.2 | 1629.1 | 1593.6 | 1577.6 | 1531.5 | 1499.5 | 1508.4 |
| 62.5° | 14780.4 | 6507.4 | 1790.5 | 1692.9 | 1708.9 | 1559.9 | 1506.6 | 1501.3 | 1472.9 | 1462.2 | 1462.2 |
| 65°   | 15497.4 | 6274.9 | 1673.4 | 1689.4 | 1650.4 | 1488.9 | 1421.4 | 1419.7 | 1396.6 | 1393.0 | 1391.3 |
| 67.5° | 15247.1 | 5538.4 | 1515.5 | 1639.7 | 1590.0 | 1417.9 | 1343.4 | 1336.3 | 1306.1 | 1307.9 | 1307.9 |
| 70°   | 13994.3 | 4487.9 | 1297.2 | 1517.3 | 1515.5 | 1354.0 | 1261.7 | 1238.7 | 1197.8 | 1204.9 | 1212.0 |
| 72.5° | 11644.8 | 3325.6 | 1004.4 | 1313.2 | 1396.6 | 1295.4 | 1167.7 | 1130.4 | 1078.9 | 1086.0 | 1084.3 |
| 75°   | 8409.7  | 2260.8 | 731.1  | 999.1  | 1215.6 | 1226.2 | 1075.4 | 1011.5 | 949.4  | 960.0  | 963.6  |
| 77.5° | 4303.3  | 1281.2 | 537.7  | 688.5  | 954.7  | 1114.4 | 992.0  | 906.8  | 892.6  | 992.0  | 977.8  |
| 80°   | 1403.7  | 642.4  | 372.7  | 482.7  | 626.4  | 912.1  | 869.5  | 771.9  | 768.4  | 791.5  | 679.7  |
| 82.5° | 418.8   | 271.5  | 239.6  | 317.6  | 346.0  | 699.2  | 750.6  | 583.8  | 502.2  | 528.8  | 546.6  |
| 85°   | 143.7   | 131.3  | 136.6  | 157.9  | 165.0  | 409.9  | 525.3  | 386.9  | 365.6  | 402.8  | 397.5  |
| 87.5° | 33.7    | 46.1   | 39.0   | 35.5   | 35.5   | 99.4   | 204.1  | 161.5  | 223.6  | 149.1  | 143.7  |
| 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)