

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: P950560

Luminaire Tested: **GALN-SB5A-722-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5A-722-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19217 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 141.7  
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



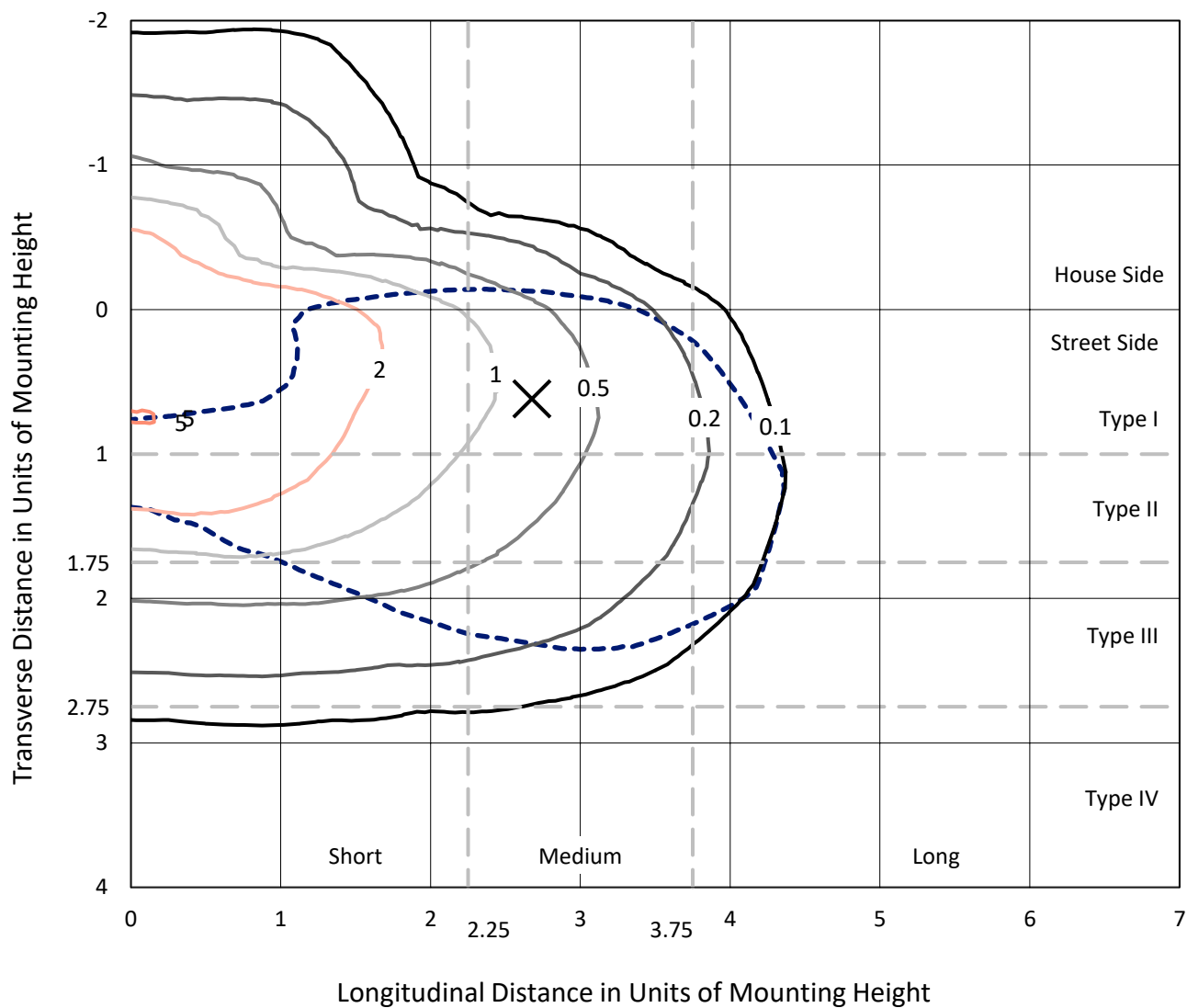
REPORT NUMBER: P950560

CATALOG NUMBER: GALN-SB5A-722-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

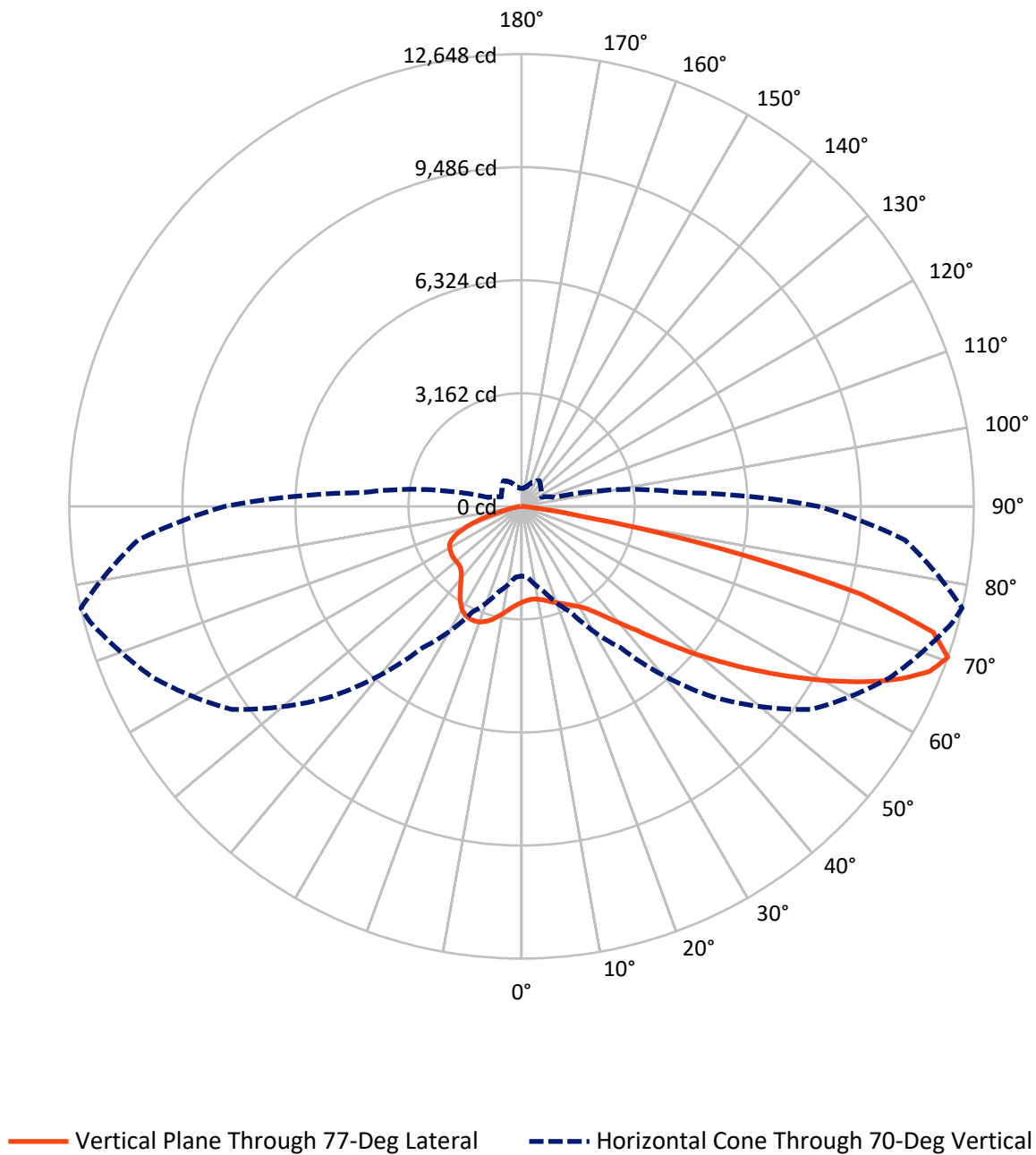


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
Type III - Medium - N/A

REPORT NUMBER: P950560

CATALOG NUMBER: GALN-SB5A-722-U-T3R

## Luminous Intensity Polar Plot



REPORT NUMBER: P950560

CATALOG NUMBER: GALN-SB5A-722-U-T3R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4208.2   | 0.0    | 4208.2  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 15008.8  | 0.0    | 15008.8 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 19217.0  | 0.0    | 19217.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 255.7   | 1.3       |
| 10°-20°   | 737.9   | 3.8       |
| 20°-30°   | 1262.0  | 6.6       |
| 30°-40°   | 2029.4  | 10.6      |
| 40°-50°   | 3168.4  | 16.5      |
| 50°-60°   | 4232.3  | 22.0      |
| 60°-70°   | 4511.0  | 23.5      |
| 70°-80°   | 2776.9  | 14.5      |
| 80°-90°   | 243.3   | 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°    | 19217.0 | 100.0     |
| 0°-180°   | 19217.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P950560

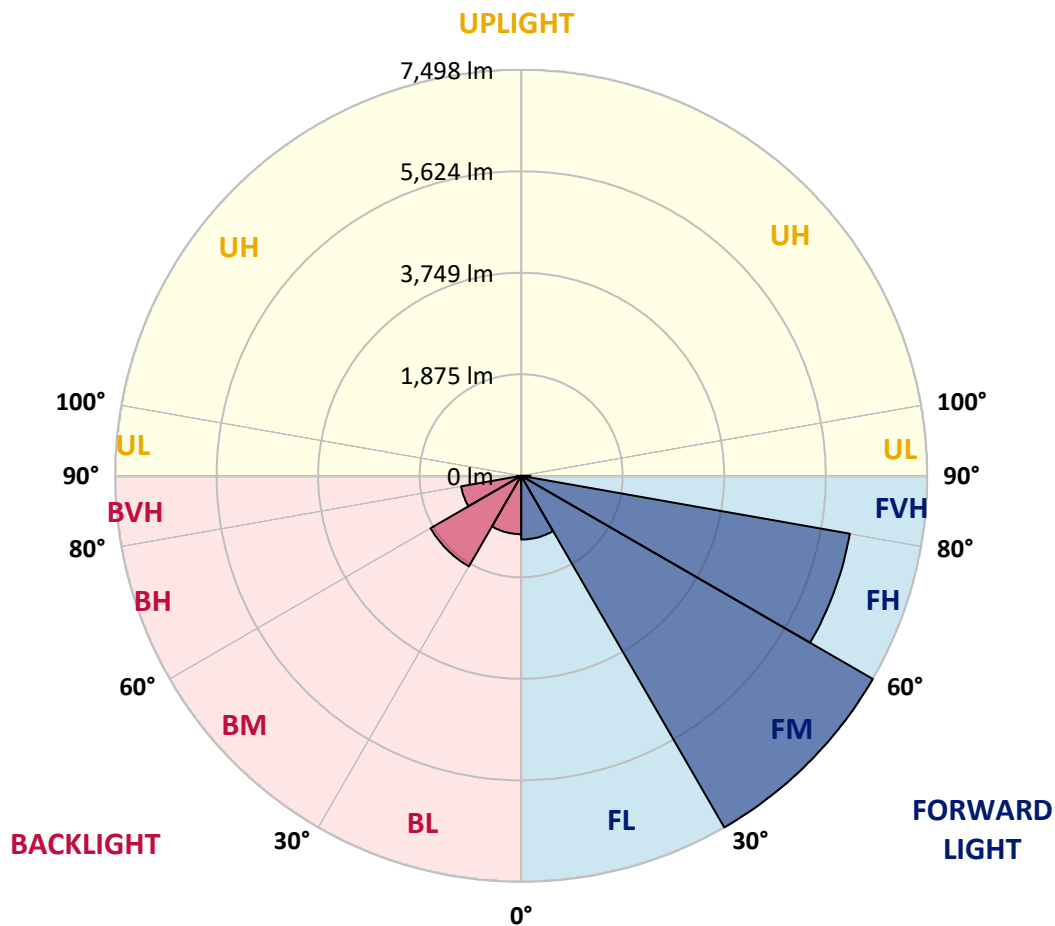
CATALOG NUMBER: GALN-SB5A-722-U-T3R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1177.3 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 7498.1 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 6163.2 | 32.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 170.2  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1078.3 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1932.1 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1124.7 | 5.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 73.2   | 0.4       |                         |      | 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 Medium



REPORT NUMBER: P950560

CATALOG NUMBER: GALN-SB5A-722-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 77°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9  | 2680.9  | 2680.9  | 2680.9  |
| 2.5°  | 2471.3 | 2470.3 | 2483.1 | 2487.1 | 2510.7 | 2527.4 | 2558.9 | 2592.4  | 2635.7  | 2640.6  | 2667.2  |
| 5°    | 2328.6 | 2328.6 | 2343.4 | 2359.1 | 2389.6 | 2423.1 | 2471.3 | 2529.4  | 2604.2  | 2616.0  | 2681.9  |
| 7.5°  | 2207.5 | 2215.4 | 2228.2 | 2258.7 | 2294.2 | 2342.4 | 2416.2 | 2498.9  | 2597.3  | 2616.0  | 2722.3  |
| 10°   | 2110.1 | 2119.0 | 2134.7 | 2159.3 | 2212.5 | 2279.4 | 2375.8 | 2482.1  | 2614.0  | 2643.5  | 2781.3  |
| 12.5° | 2079.6 | 2088.5 | 2097.3 | 2116.0 | 2165.2 | 2244.0 | 2359.1 | 2490.0  | 2654.4  | 2683.9  | 2862.0  |
| 15°   | 2150.5 | 2161.3 | 2154.4 | 2149.5 | 2175.1 | 2246.9 | 2367.0 | 2518.6  | 2704.6  | 2746.9  | 2961.4  |
| 17.5° | 2313.8 | 2317.8 | 2302.0 | 2255.8 | 2251.8 | 2290.2 | 2404.4 | 2557.9  | 2767.6  | 2813.8  | 3061.8  |
| 20°   | 2577.6 | 2570.7 | 2538.2 | 2446.7 | 2394.5 | 2386.7 | 2468.4 | 2617.0  | 2832.5  | 2881.7  | 3170.1  |
| 22.5° | 2935.9 | 2928.0 | 2863.0 | 2718.3 | 2602.2 | 2525.4 | 2560.9 | 2693.7  | 2905.3  | 2960.5  | 3275.4  |
| 25°   | 3382.7 | 3371.9 | 3276.4 | 3079.5 | 2899.4 | 2709.5 | 2686.9 | 2795.1  | 2994.9  | 3046.1  | 3385.6  |
| 27.5° | 3904.3 | 3895.4 | 3792.1 | 3532.3 | 3272.4 | 2961.4 | 2843.3 | 2914.2  | 3088.4  | 3146.5  | 3509.6  |
| 30°   | 4465.3 | 4490.9 | 4307.8 | 4028.3 | 3699.6 | 3290.2 | 3054.0 | 3060.8  | 3209.5  | 3261.6  | 3660.2  |
| 32.5° | 5124.7 | 5169.0 | 4948.5 | 4594.2 | 4145.4 | 3647.4 | 3319.7 | 3265.6  | 3385.6  | 3428.9  | 3850.2  |
| 35°   | 5778.2 | 5828.4 | 5645.3 | 5253.6 | 4736.9 | 4068.7 | 3597.2 | 3500.8  | 3619.9  | 3667.1  | 4102.1  |
| 37.5° | 6343.1 | 6410.1 | 6315.6 | 5975.0 | 5369.8 | 4576.5 | 3959.4 | 3777.3  | 3908.2  | 3967.3  | 4440.7  |
| 40°   | 6789.0 | 6891.3 | 6884.4 | 6671.9 | 6115.8 | 5192.6 | 4419.0 | 4118.9  | 4266.5  | 4330.5  | 4851.1  |
| 42.5° | 7151.2 | 7239.7 | 7316.5 | 7305.7 | 6894.3 | 5892.4 | 4959.4 | 4562.7  | 4674.9  | 4748.7  | 5312.7  |
| 45°   | 7401.1 | 7495.6 | 7661.0 | 7839.1 | 7643.3 | 6641.3 | 5578.4 | 5089.3  | 5191.6  | 5302.8  | 5862.8  |
| 47.5° | 7624.6 | 7731.8 | 7946.4 | 8228.9 | 8279.0 | 7393.3 | 6256.5 | 5702.4  | 5795.9  | 5911.1  | 6415.0  |
| 50°   | 7644.2 | 7736.8 | 8069.4 | 8470.0 | 8730.8 | 8115.7 | 6984.8 | 6390.4  | 6478.0  | 6601.0  | 7006.5  |
| 52.5° | 7168.9 | 7314.5 | 7895.2 | 8463.1 | 8938.5 | 8720.0 | 7708.2 | 7105.9  | 7204.3  | 7351.9  | 7618.7  |
| 55°   | 5564.6 | 5778.2 | 7384.4 | 8199.3 | 8864.6 | 9110.7 | 8396.2 | 7866.7  | 7992.6  | 8147.2  | 8234.8  |
| 57.5° | 4793.0 | 4886.5 | 5861.9 | 7719.0 | 8528.0 | 9212.1 | 8976.8 | 8635.3  | 8838.1  | 9007.4  | 8886.3  |
| 60°   | 4307.8 | 4385.6 | 4962.3 | 6972.0 | 8085.2 | 9051.6 | 9425.6 | 9351.8  | 9702.2  | 9904.0  | 9552.6  |
| 62.5° | 3788.2 | 3862.0 | 4386.6 | 5821.5 | 7518.3 | 8784.9 | 9709.1 | 10013.2 | 10588.0 | 10808.4 | 10180.5 |
| 65°   | 3272.4 | 3335.4 | 3838.4 | 4891.4 | 6797.8 | 8518.2 | 9855.7 | 10585.0 | 11407.8 | 11636.1 | 10702.1 |
| 67.5° | 2697.7 | 2749.8 | 3225.2 | 4126.7 | 5921.9 | 8153.1 | 9928.6 | 11034.8 | 12121.3 | 12317.2 | 10960.0 |
| 70°   | 1946.7 | 1987.1 | 2478.2 | 3263.6 | 4822.6 | 7525.2 | 9899.0 | 11353.7 | 12491.4 | 12647.9 | 10765.1 |
| 72.5° | 920.2  | 956.6  | 1533.4 | 2119.0 | 3406.3 | 6302.8 | 9301.6 | 11100.7 | 12115.4 | 12037.7 | 9572.3  |
| 75°   | 491.1  | 522.6  | 880.9  | 1162.3 | 1799.1 | 4320.6 | 7611.8 | 9562.4  | 10173.6 | 9795.7  | 7074.4  |
| 77.5° | 332.7  | 357.3  | 545.2  | 697.8  | 821.8  | 2051.1 | 4892.4 | 6620.7  | 6369.7  | 5745.7  | 3543.1  |
| 80°   | 263.8  | 289.4  | 446.8  | 472.4  | 397.6  | 741.1  | 2021.5 | 3064.8  | 2201.6  | 1760.7  | 1007.8  |
| 82.5° | 202.7  | 231.3  | 376.0  | 342.5  | 216.5  | 304.1  | 588.5  | 969.4   | 563.9   | 429.1   | 244.1   |
| 85°   | 124.0  | 154.5  | 295.3  | 218.5  | 122.0  | 138.8  | 199.8  | 269.7   | 172.2   | 143.7   | 87.6    |
| 87.5° | 63.0   | 88.6   | 149.6  | 79.7   | 55.1   | 32.5   | 53.1   | 53.1    | 45.3    | 39.4    | 22.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P950560

CATALOG NUMBER: GALN-SB5A-722-U-T3R

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 | 2680.9 |
| 2.5°  | 2690.8 | 2710.5 | 2743.9 | 2775.4 | 2800.0 | 2823.7 | 2847.3 | 2860.1 | 2864.0 | 2879.8 | 2888.6 |
| 5°    | 2722.3 | 2758.7 | 2823.7 | 2884.7 | 2923.1 | 2946.7 | 2963.4 | 2973.3 | 2975.2 | 2980.1 | 2988.0 |
| 7.5°  | 2780.4 | 2838.4 | 2929.0 | 2990.0 | 3018.5 | 3016.6 | 3009.7 | 2985.1 | 2975.2 | 2966.4 | 2968.3 |
| 10°   | 2862.0 | 2938.8 | 3050.0 | 3092.3 | 3074.6 | 3027.4 | 2966.4 | 2894.5 | 2861.1 | 2828.6 | 2818.7 |
| 12.5° | 2963.4 | 3060.8 | 3170.1 | 3168.1 | 3080.5 | 2959.5 | 2817.7 | 2707.5 | 2637.6 | 2587.4 | 2575.6 |
| 15°   | 3086.4 | 3198.6 | 3282.3 | 3215.4 | 3023.4 | 2805.9 | 2598.3 | 2454.6 | 2391.6 | 2336.5 | 2330.6 |
| 17.5° | 3213.4 | 3333.5 | 3371.9 | 3200.6 | 2879.8 | 2578.6 | 2343.4 | 2230.2 | 2168.2 | 2138.7 | 2147.5 |
| 20°   | 3337.4 | 3456.5 | 3425.0 | 3116.0 | 2661.3 | 2320.7 | 2111.1 | 2049.1 | 2036.3 | 2043.2 | 2040.2 |
| 22.5° | 3468.3 | 3574.6 | 3435.8 | 2952.6 | 2382.7 | 2057.0 | 1941.8 | 1943.8 | 1972.3 | 1993.0 | 1997.9 |
| 25°   | 3602.2 | 3674.0 | 3407.3 | 2716.4 | 2083.5 | 1863.1 | 1834.5 | 1866.0 | 1922.1 | 1962.5 | 1973.3 |
| 27.5° | 3731.1 | 3762.6 | 3345.3 | 2424.1 | 1826.7 | 1724.3 | 1729.2 | 1794.2 | 1878.8 | 1934.9 | 1948.7 |
| 30°   | 3876.7 | 3841.3 | 3226.2 | 2095.4 | 1648.5 | 1605.2 | 1646.6 | 1722.3 | 1807.0 | 1857.2 | 1869.0 |
| 32.5° | 4041.1 | 3909.2 | 3037.2 | 1791.2 | 1522.5 | 1509.8 | 1577.7 | 1626.9 | 1664.3 | 1679.0 | 1686.9 |
| 35°   | 4245.8 | 4004.7 | 2795.1 | 1577.7 | 1409.4 | 1439.9 | 1504.8 | 1480.2 | 1465.5 | 1457.6 | 1465.5 |
| 37.5° | 4511.5 | 4133.6 | 2511.7 | 1438.9 | 1317.8 | 1389.7 | 1416.3 | 1339.5 | 1281.4 | 1252.9 | 1259.8 |
| 40°   | 4831.4 | 4322.6 | 2239.0 | 1331.6 | 1259.8 | 1346.4 | 1300.1 | 1207.6 | 1133.8 | 1093.4 | 1096.4 |
| 42.5° | 5186.7 | 4520.4 | 2009.7 | 1250.9 | 1227.3 | 1310.9 | 1214.5 | 1104.3 | 985.2  | 972.4  | 985.2  |
| 45°   | 5559.7 | 4724.1 | 1853.2 | 1188.9 | 1211.5 | 1280.4 | 1165.3 | 987.1  | 902.5  | 954.7  | 982.2  |
| 47.5° | 5932.7 | 4911.1 | 1758.8 | 1142.7 | 1203.7 | 1246.0 | 1122.0 | 922.2  | 862.2  | 937.9  | 973.4  |
| 50°   | 6348.1 | 5078.4 | 1716.4 | 1109.2 | 1194.8 | 1232.2 | 1057.0 | 905.5  | 819.8  | 870.0  | 907.4  |
| 52.5° | 6760.4 | 5208.4 | 1684.9 | 1075.7 | 1182.0 | 1221.4 | 1025.5 | 885.8  | 768.7  | 771.6  | 792.3  |
| 55°   | 7171.8 | 5293.0 | 1650.5 | 1031.4 | 1153.5 | 1197.8 | 1022.6 | 864.1  | 730.3  | 716.5  | 726.3  |
| 57.5° | 7610.8 | 5341.2 | 1608.2 | 982.2  | 1104.3 | 1137.7 | 1019.6 | 847.4  | 718.5  | 695.8  | 698.8  |
| 60°   | 8057.6 | 5412.1 | 1553.1 | 922.2  | 1038.3 | 1065.9 | 1012.7 | 841.5  | 711.6  | 673.2  | 676.1  |
| 62.5° | 8458.2 | 5436.7 | 1487.1 | 865.1  | 953.7  | 995.0  | 998.0  | 836.6  | 692.9  | 626.9  | 626.9  |
| 65°   | 8721.0 | 5330.4 | 1372.0 | 800.2  | 862.2  | 922.2  | 969.4  | 819.8  | 659.4  | 593.5  | 593.5  |
| 67.5° | 8710.1 | 5027.3 | 1191.9 | 716.5  | 773.6  | 841.5  | 928.1  | 791.3  | 619.1  | 552.1  | 555.1  |
| 70°   | 8304.6 | 4428.9 | 963.5  | 619.1  | 676.1  | 754.9  | 874.9  | 749.0  | 570.8  | 506.9  | 512.8  |
| 72.5° | 7122.6 | 3466.3 | 699.8  | 504.9  | 563.0  | 665.3  | 806.1  | 697.8  | 521.6  | 466.5  | 463.6  |
| 75°   | 5088.3 | 2193.8 | 474.4  | 387.8  | 438.0  | 563.9  | 720.4  | 637.8  | 476.4  | 468.5  | 441.9  |
| 77.5° | 2599.3 | 1048.2 | 314.0  | 283.4  | 305.1  | 444.9  | 605.3  | 569.8  | 483.2  | 386.8  | 344.5  |
| 80°   | 845.4  | 386.8  | 197.8  | 192.9  | 202.7  | 296.2  | 468.5  | 467.5  | 366.1  | 262.8  | 232.3  |
| 82.5° | 269.7  | 166.3  | 128.9  | 124.0  | 119.1  | 186.0  | 326.8  | 370.1  | 247.0  | 166.3  | 165.3  |
| 85°   | 107.3  | 99.4   | 75.8   | 69.9   | 50.2   | 87.6   | 171.2  | 246.0  | 184.0  | 120.1  | 123.0  |
| 87.5° | 39.4   | 39.4   | 20.7   | 14.8   | 10.8   | 29.5   | 46.3   | 73.8   | 105.3  | 62.0   | 61.0   |
| 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)