

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: P942115

Luminaire Tested: **GALN-SB6A-722-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 22265 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 170.9  
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

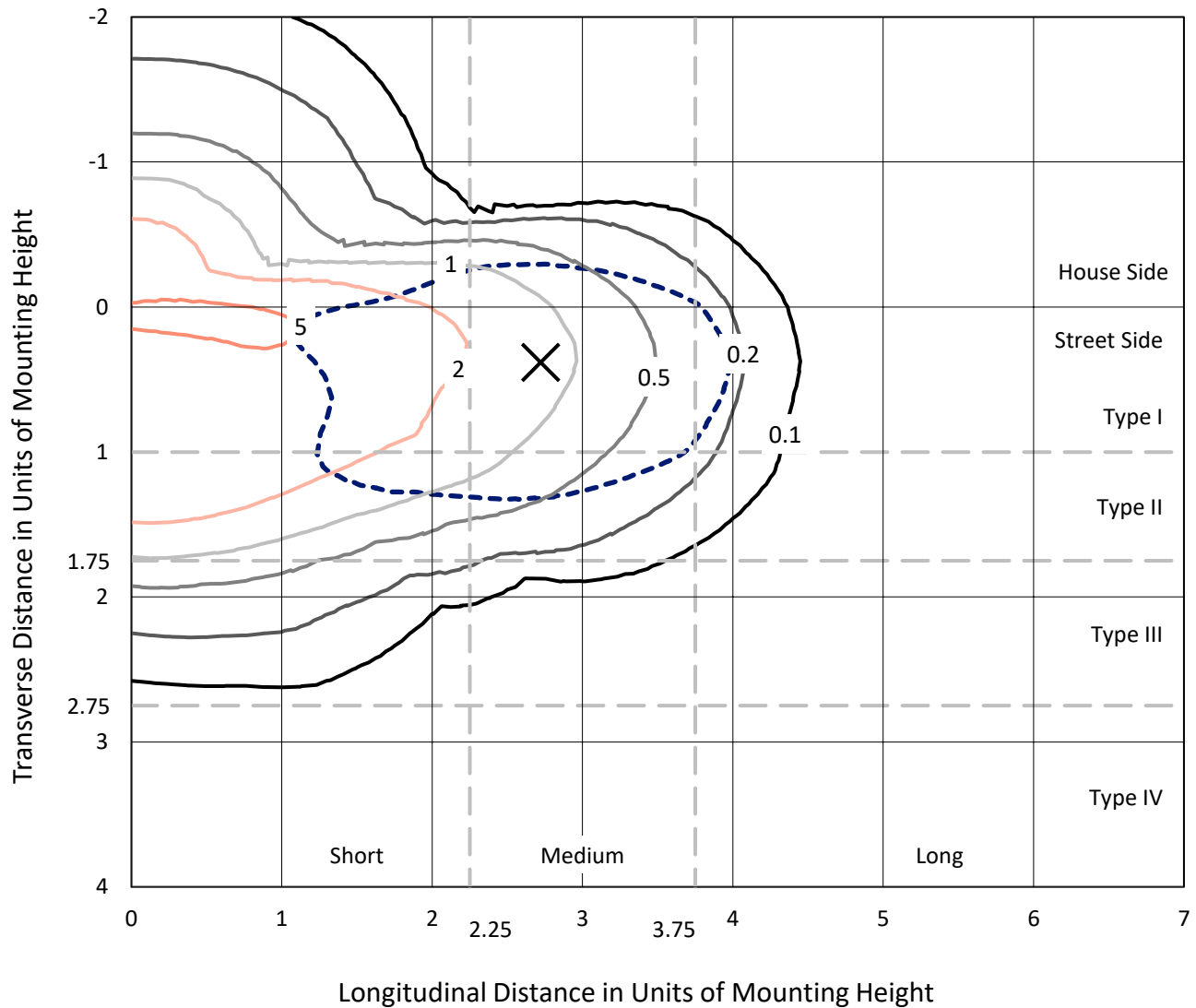


REPORT NUMBER: P942115

CATALOG NUMBER: GALN-SB6A-722-U-T2

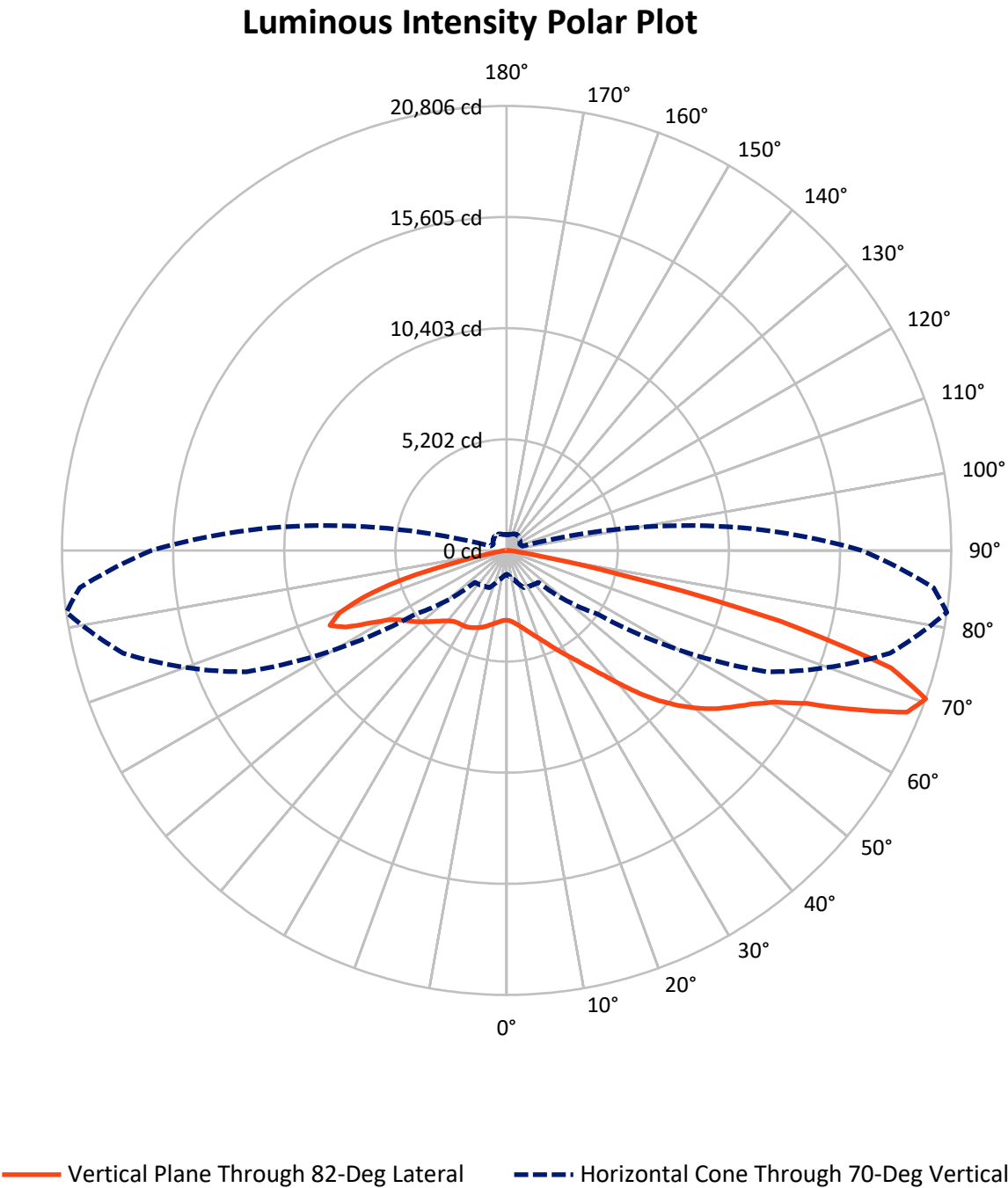
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
Type II - Medium - N/A

REPORT NUMBER: P942115  
CATALOG NUMBER: GALN-SB6A-722-U-T2



REPORT NUMBER: P942115

CATALOG NUMBER: GALN-SB6A-722-U-T2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5488.9   | 0.0    | 5488.9  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 16776.1  | 0.0    | 16776.1 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 22265.0  | 0.0    | 22265.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 308.2   | 1.4       |
| 10°-20°   | 885.5   | 4.0       |
| 20°-30°   | 1481.4  | 6.7       |
| 30°-40°   | 2314.3  | 10.4      |
| 40°-50°   | 3685.7  | 16.6      |
| 50°-60°   | 5129.2  | 23.0      |
| 60°-70°   | 5365.3  | 24.1      |
| 70°-80°   | 2804.2  | 12.6      |
| 80°-90°   | 291.2   | 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°    | 22265.0 | 100.0     |
| 0°-180°   | 22265.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942115

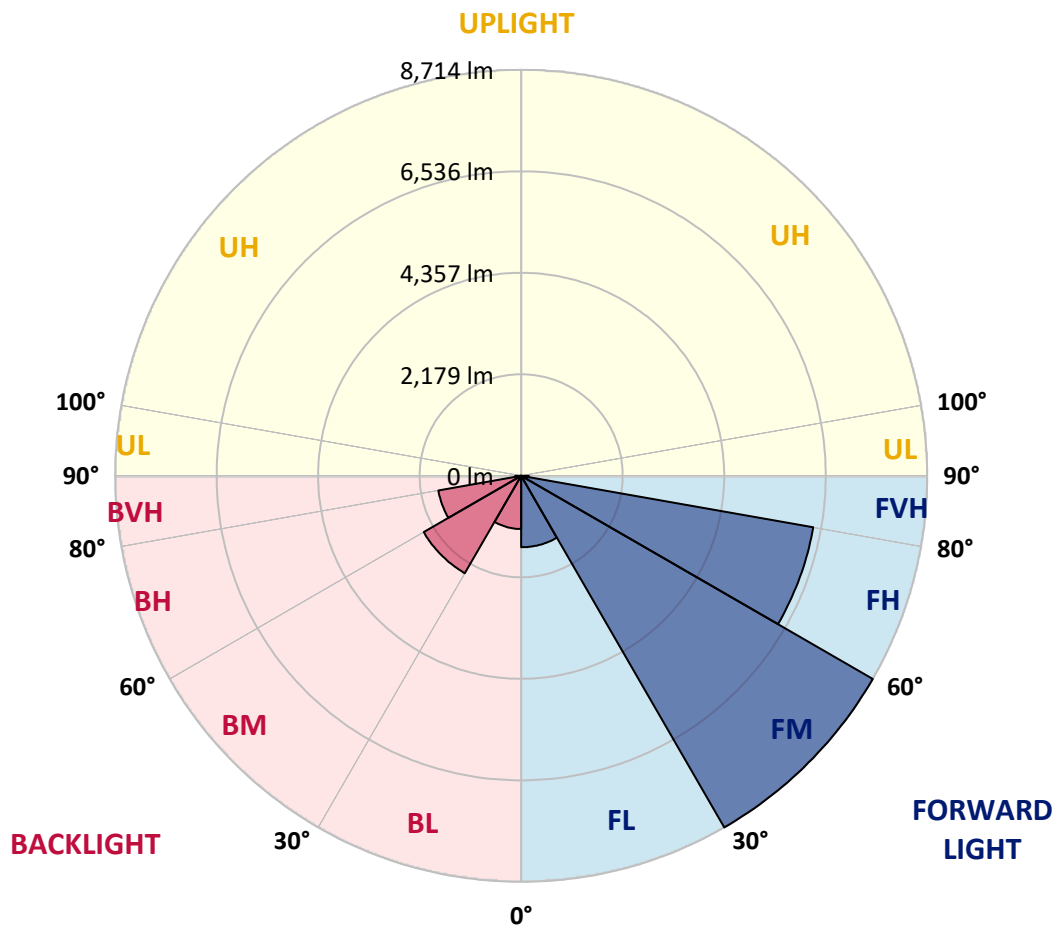
CATALOG NUMBER: GALN-SB6A-722-U-T2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1533.2 | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 8714.3 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 6365.6 | 28.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 163.0  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1141.9 | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2414.9 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1803.9 | 8.1       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 128.2  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type II Medium



REPORT NUMBER: P942115

CATALOG NUMBER: GALN-SB6A-722-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 82°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3  | 3264.3  | 3264.3  | 3264.3  | 3264.3  |
| 2.5°  | 3342.3 | 3361.2 | 3355.3 | 3349.4 | 3349.4 | 3341.1 | 3339.9  | 3328.1  | 3318.7  | 3303.3  | 3299.8  |
| 5°    | 3384.8 | 3404.9 | 3402.6 | 3407.3 | 3422.6 | 3426.2 | 3429.7  | 3422.6  | 3403.7  | 3384.8  | 3376.6  |
| 7.5°  | 3347.0 | 3369.5 | 3376.6 | 3404.9 | 3452.2 | 3494.7 | 3526.6  | 3539.6  | 3521.9  | 3494.7  | 3481.7  |
| 10°   | 3219.4 | 3244.2 | 3269.1 | 3336.4 | 3420.3 | 3520.7 | 3605.8  | 3656.6  | 3653.0  | 3627.0  | 3604.6  |
| 12.5° | 2960.7 | 2986.7 | 3039.9 | 3171.0 | 3324.6 | 3501.8 | 3660.1  | 3766.4  | 3803.1  | 3784.2  | 3745.2  |
| 15°   | 2753.9 | 2776.4 | 2816.6 | 2951.2 | 3150.9 | 3420.3 | 3680.2  | 3886.9  | 3980.3  | 3969.6  | 3922.4  |
| 17.5° | 2748.0 | 2757.5 | 2782.3 | 2846.1 | 2999.7 | 3292.7 | 3658.9  | 4005.1  | 4183.5  | 4182.3  | 4123.2  |
| 20°   | 2852.0 | 2855.5 | 2869.7 | 2882.7 | 2970.1 | 3195.8 | 3604.6  | 4103.2  | 4411.5  | 4411.5  | 4347.7  |
| 22.5° | 2996.1 | 2993.8 | 3008.0 | 2996.1 | 3038.7 | 3187.5 | 3570.3  | 4189.4  | 4665.5  | 4684.4  | 4604.1  |
| 25°   | 3212.3 | 3200.5 | 3197.0 | 3169.8 | 3178.1 | 3264.3 | 3608.1  | 4287.5  | 4966.8  | 5005.8  | 4905.4  |
| 27.5° | 3500.6 | 3481.7 | 3468.7 | 3406.1 | 3384.8 | 3422.6 | 3723.9  | 4405.6  | 5302.3  | 5369.7  | 5242.1  |
| 30°   | 3876.3 | 3842.1 | 3823.2 | 3714.5 | 3637.7 | 3643.6 | 3898.8  | 4562.7  | 5653.2  | 5761.9  | 5600.0  |
| 32.5° | 4389.1 | 4335.9 | 4285.1 | 4106.7 | 3966.1 | 3920.0 | 4124.4  | 4780.1  | 6033.6  | 6207.3  | 5999.4  |
| 35°   | 4963.2 | 4920.7 | 4866.4 | 4591.1 | 4374.9 | 4268.6 | 4429.2  | 5083.7  | 6479.0  | 6754.3  | 6483.8  |
| 37.5° | 5516.2 | 5479.5 | 5505.5 | 5134.6 | 4855.7 | 4701.0 | 4828.6  | 5491.3  | 7028.4  | 7434.8  | 7091.0  |
| 40°   | 6088.0 | 6059.6 | 6063.2 | 5708.7 | 5383.8 | 5210.2 | 5312.9  | 6002.9  | 7658.1  | 8244.1  | 7821.2  |
| 42.5° | 6709.4 | 6688.1 | 6617.3 | 6303.0 | 5937.9 | 5776.1 | 5870.6  | 6593.6  | 8333.9  | 9165.6  | 8622.2  |
| 45°   | 7405.3 | 7392.3 | 7326.1 | 6965.8 | 6547.6 | 6365.6 | 6493.2  | 7245.8  | 9013.2  | 10032.8 | 9426.7  |
| 47.5° | 8006.6 | 8017.3 | 8009.0 | 7705.4 | 7271.8 | 7004.8 | 7157.2  | 7926.3  | 9645.3  | 10848.0 | 10198.2 |
| 50°   | 8296.1 | 8351.6 | 8433.1 | 8338.6 | 8069.3 | 7797.5 | 7827.1  | 8583.2  | 10247.8 | 11612.4 | 10937.8 |
| 52.5° | 8144.9 | 8250.0 | 8472.1 | 8623.4 | 8727.3 | 8670.6 | 8591.5  | 9235.3  | 10814.9 | 12302.4 | 11637.2 |
| 55°   | 7581.3 | 7729.0 | 8097.6 | 8462.7 | 8993.1 | 9405.5 | 9509.4  | 9958.4  | 11367.8 | 12909.6 | 12298.8 |
| 57.5° | 6554.6 | 6794.5 | 7125.3 | 7863.7 | 8756.9 | 9761.1 | 10579.8 | 10961.4 | 11953.8 | 13558.2 | 12991.1 |
| 60°   | 4794.3 | 5115.6 | 5526.8 | 6625.5 | 7929.8 | 9570.9 | 11490.7 | 12502.0 | 12786.8 | 14398.2 | 13892.6 |
| 62.5° | 3068.2 | 3266.7 | 3644.8 | 4679.7 | 6178.9 | 8596.2 | 11769.5 | 14427.8 | 14198.6 | 15775.8 | 15244.2 |
| 65°   | 2100.6 | 2228.2 | 2574.4 | 3155.6 | 3994.5 | 6398.7 | 11022.9 | 15871.5 | 16441.0 | 17959.1 | 17555.1 |
| 67.5° | 1526.4 | 1623.3 | 1918.7 | 2427.9 | 2602.7 | 3786.5 | 8553.6  | 15805.3 | 18620.7 | 20208.6 | 19580.1 |
| 70°   | 1112.9 | 1181.4 | 1429.5 | 1918.7 | 2002.5 | 2106.5 | 5181.8  | 13435.4 | 18573.5 | 20806.4 | 20053.8 |
| 72.5° | 824.6  | 871.9  | 1038.5 | 1488.6 | 1620.9 | 1422.5 | 2564.9  | 9764.6  | 15960.1 | 18819.2 | 18215.5 |
| 75°   | 596.6  | 632.1  | 754.9  | 1138.9 | 1297.2 | 1083.4 | 1279.5  | 5706.4  | 11132.7 | 13238.1 | 13344.4 |
| 77.5° | 456.0  | 483.2  | 563.5  | 834.1  | 1038.5 | 812.8  | 793.9   | 2625.2  | 5278.7  | 5304.7  | 5602.4  |
| 80°   | 366.2  | 384.0  | 427.7  | 587.2  | 796.3  | 608.4  | 517.5   | 1059.8  | 1668.2  | 1411.8  | 1481.5  |
| 82.5° | 269.4  | 298.9  | 361.5  | 412.3  | 569.5  | 419.4  | 315.4   | 535.2   | 634.4   | 545.8   | 550.6   |
| 85°   | 153.6  | 173.7  | 218.6  | 295.4  | 363.9  | 256.4  | 180.8   | 237.5   | 295.4   | 242.2   | 216.2   |
| 87.5° | 54.3   | 70.9   | 76.8   | 115.8  | 158.3  | 106.3  | 69.7    | 68.5    | 96.9    | 72.1    | 60.3    |
| 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: P942115

CATALOG NUMBER: GALN-SB6A-722-U-T2

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3264.3  | 3264.3  | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 | 3264.3 |
| 2.5°  | 3288.0  | 3282.0  | 3258.4 | 3226.5 | 3193.4 | 3161.5 | 3150.9 | 3128.5 | 3113.1 | 3104.8 | 3114.3 |
| 5°    | 3354.1  | 3335.2  | 3279.7 | 3208.8 | 3134.4 | 3054.0 | 2997.3 | 2945.3 | 2907.5 | 2872.1 | 2886.3 |
| 7.5°  | 3448.6  | 3415.6  | 3319.9 | 3195.8 | 3063.5 | 2930.0 | 2830.7 | 2755.1 | 2704.3 | 2671.2 | 2678.3 |
| 10°   | 3558.5  | 3507.7  | 3361.2 | 3175.7 | 2971.3 | 2779.9 | 2663.0 | 2598.0 | 2566.1 | 2548.4 | 2553.1 |
| 12.5° | 3684.9  | 3612.9  | 3403.7 | 3129.6 | 2830.7 | 2612.2 | 2531.8 | 2512.9 | 2514.1 | 2515.3 | 2517.7 |
| 15°   | 3840.9  | 3740.4  | 3438.0 | 3029.2 | 2647.6 | 2483.4 | 2469.2 | 2499.9 | 2531.8 | 2547.2 | 2546.0 |
| 17.5° | 4016.9  | 3875.1  | 3443.9 | 2863.8 | 2468.0 | 2400.7 | 2445.6 | 2511.7 | 2560.2 | 2581.5 | 2586.2 |
| 20°   | 4205.9  | 4012.2  | 3401.4 | 2629.9 | 2320.4 | 2333.4 | 2413.7 | 2498.8 | 2551.9 | 2579.1 | 2586.2 |
| 22.5° | 4422.1  | 4158.7  | 3299.8 | 2384.2 | 2199.8 | 2260.1 | 2354.6 | 2437.3 | 2492.8 | 2520.0 | 2527.1 |
| 25°   | 4669.1  | 4322.9  | 3140.3 | 2177.4 | 2095.9 | 2177.4 | 2271.9 | 2340.4 | 2385.3 | 2410.1 | 2417.2 |
| 27.5° | 4943.2  | 4494.2  | 2927.6 | 2013.2 | 2004.9 | 2092.3 | 2170.3 | 2223.5 | 2247.1 | 2266.0 | 2273.1 |
| 30°   | 5218.4  | 4650.2  | 2670.1 | 1889.1 | 1925.8 | 2008.5 | 2064.0 | 2087.6 | 2094.7 | 2098.2 | 2106.5 |
| 32.5° | 5516.2  | 4784.8  | 2399.5 | 1786.3 | 1850.1 | 1926.9 | 1960.0 | 1970.6 | 1937.6 | 1915.1 | 1922.2 |
| 35°   | 5876.5  | 4929.0  | 2134.9 | 1704.8 | 1775.7 | 1841.9 | 1852.5 | 1843.1 | 1804.1 | 1758.0 | 1760.4 |
| 37.5° | 6321.9  | 5108.6  | 1923.4 | 1646.9 | 1706.0 | 1749.7 | 1736.7 | 1734.4 | 1737.9 | 1683.6 | 1687.1 |
| 40°   | 6867.7  | 5342.5  | 1768.6 | 1602.0 | 1649.3 | 1658.7 | 1622.1 | 1642.2 | 1659.9 | 1577.2 | 1579.6 |
| 42.5° | 7473.8  | 5624.9  | 1670.6 | 1571.3 | 1602.0 | 1579.6 | 1522.9 | 1545.3 | 1543.0 | 1434.3 | 1433.1 |
| 45°   | 8091.7  | 5932.0  | 1636.3 | 1548.9 | 1558.3 | 1513.4 | 1450.8 | 1456.7 | 1407.1 | 1309.0 | 1312.6 |
| 47.5° | 8706.1  | 6261.6  | 1657.6 | 1530.0 | 1504.0 | 1453.2 | 1404.7 | 1378.7 | 1305.5 | 1232.2 | 1232.2 |
| 50°   | 9308.6  | 6607.8  | 1735.5 | 1492.2 | 1429.5 | 1400.0 | 1364.6 | 1318.5 | 1240.5 | 1177.9 | 1173.2 |
| 52.5° | 9867.4  | 6956.3  | 1823.0 | 1429.5 | 1336.2 | 1353.9 | 1331.5 | 1278.3 | 1201.5 | 1137.7 | 1138.9 |
| 55°   | 10396.7 | 7304.9  | 1857.2 | 1343.3 | 1248.8 | 1313.8 | 1300.8 | 1202.7 | 1110.6 | 1058.6 | 1053.8 |
| 57.5° | 10973.2 | 7724.3  | 1819.4 | 1233.4 | 1177.9 | 1267.7 | 1218.1 | 1109.4 | 1056.2 | 1017.2 | 1013.7 |
| 60°   | 11771.9 | 8382.3  | 1737.9 | 1097.6 | 1110.6 | 1199.2 | 1114.1 | 1069.2 | 1011.3 | 967.6  | 965.2  |
| 62.5° | 13098.7 | 9609.9  | 1606.8 | 962.9  | 1031.4 | 1097.6 | 1064.5 | 1019.6 | 960.5  | 918.0  | 918.0  |
| 65°   | 15059.9 | 11315.9 | 1359.8 | 857.7  | 942.8  | 998.3  | 1011.3 | 966.4  | 905.0  | 860.1  | 862.5  |
| 67.5° | 16713.9 | 12386.2 | 1029.0 | 770.3  | 851.8  | 918.0  | 954.6  | 910.9  | 845.9  | 802.2  | 803.4  |
| 70°   | 16622.9 | 11608.9 | 785.7  | 684.1  | 771.5  | 838.8  | 886.1  | 851.8  | 782.1  | 740.8  | 744.3  |
| 72.5° | 14764.5 | 9711.5  | 635.6  | 596.6  | 690.0  | 756.1  | 812.8  | 786.8  | 716.0  | 675.8  | 675.8  |
| 75°   | 10846.8 | 6893.7  | 508.0  | 508.0  | 588.4  | 669.9  | 732.5  | 716.0  | 651.0  | 622.6  | 614.4  |
| 77.5° | 4572.2  | 2892.2  | 398.1  | 421.8  | 489.1  | 575.4  | 653.3  | 659.2  | 602.5  | 638.0  | 578.9  |
| 80°   | 1215.7  | 797.5   | 303.6  | 332.0  | 384.0  | 474.9  | 568.3  | 565.9  | 504.5  | 471.4  | 438.3  |
| 82.5° | 463.1   | 314.3   | 216.2  | 233.9  | 277.6  | 363.9  | 450.1  | 464.3  | 402.9  | 348.5  | 348.5  |
| 85°   | 178.4   | 134.7   | 133.5  | 140.6  | 161.9  | 241.0  | 340.3  | 352.1  | 303.6  | 257.6  | 265.8  |
| 87.5° | 46.1    | 40.2    | 49.6   | 47.3   | 74.4   | 128.8  | 194.9  | 202.0  | 185.5  | 107.5  | 153.6  |
| 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)