

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: P530860

Luminaire Tested: **GALN-SA6A-760-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-760-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22942 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

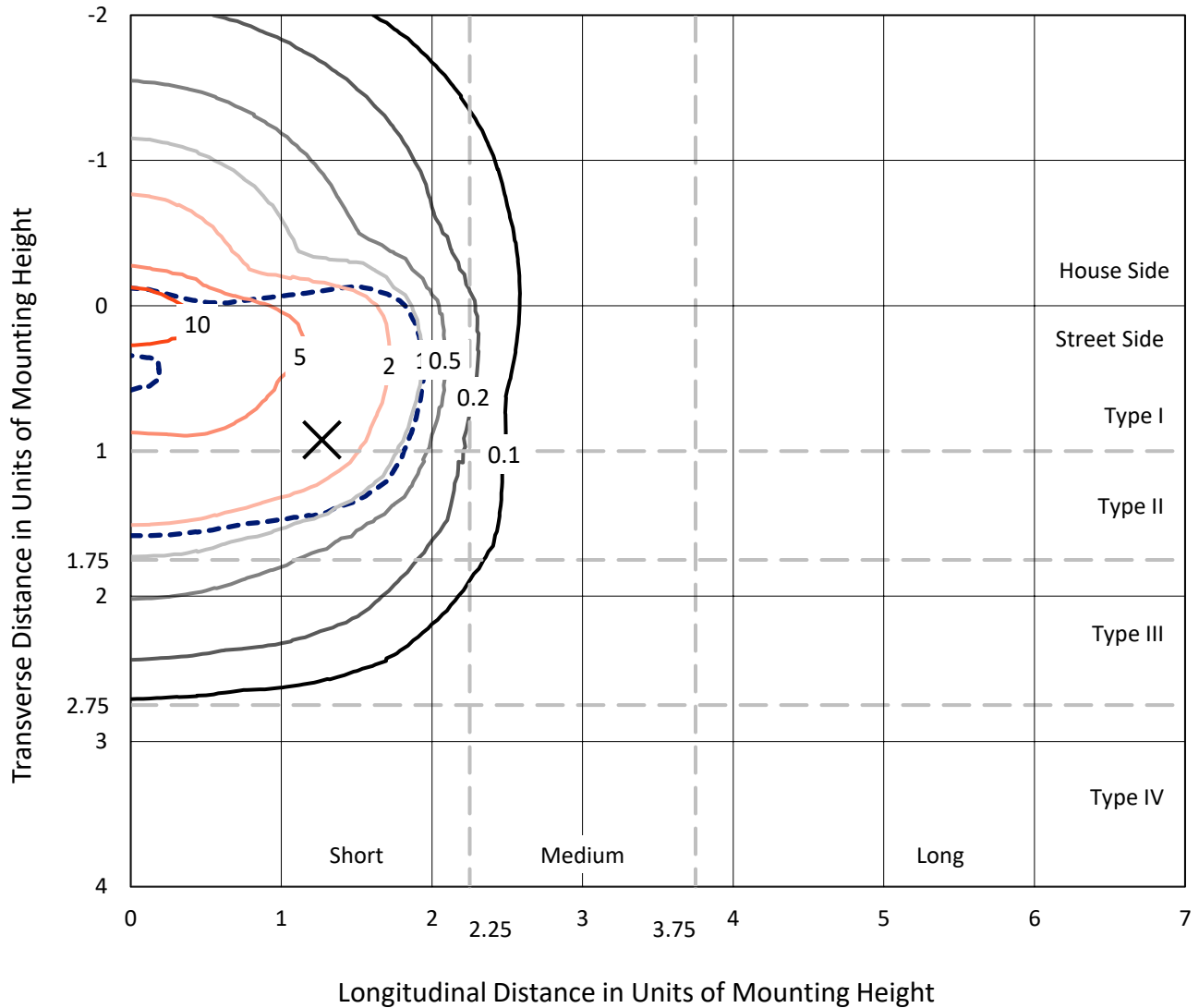
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P530860  
 CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

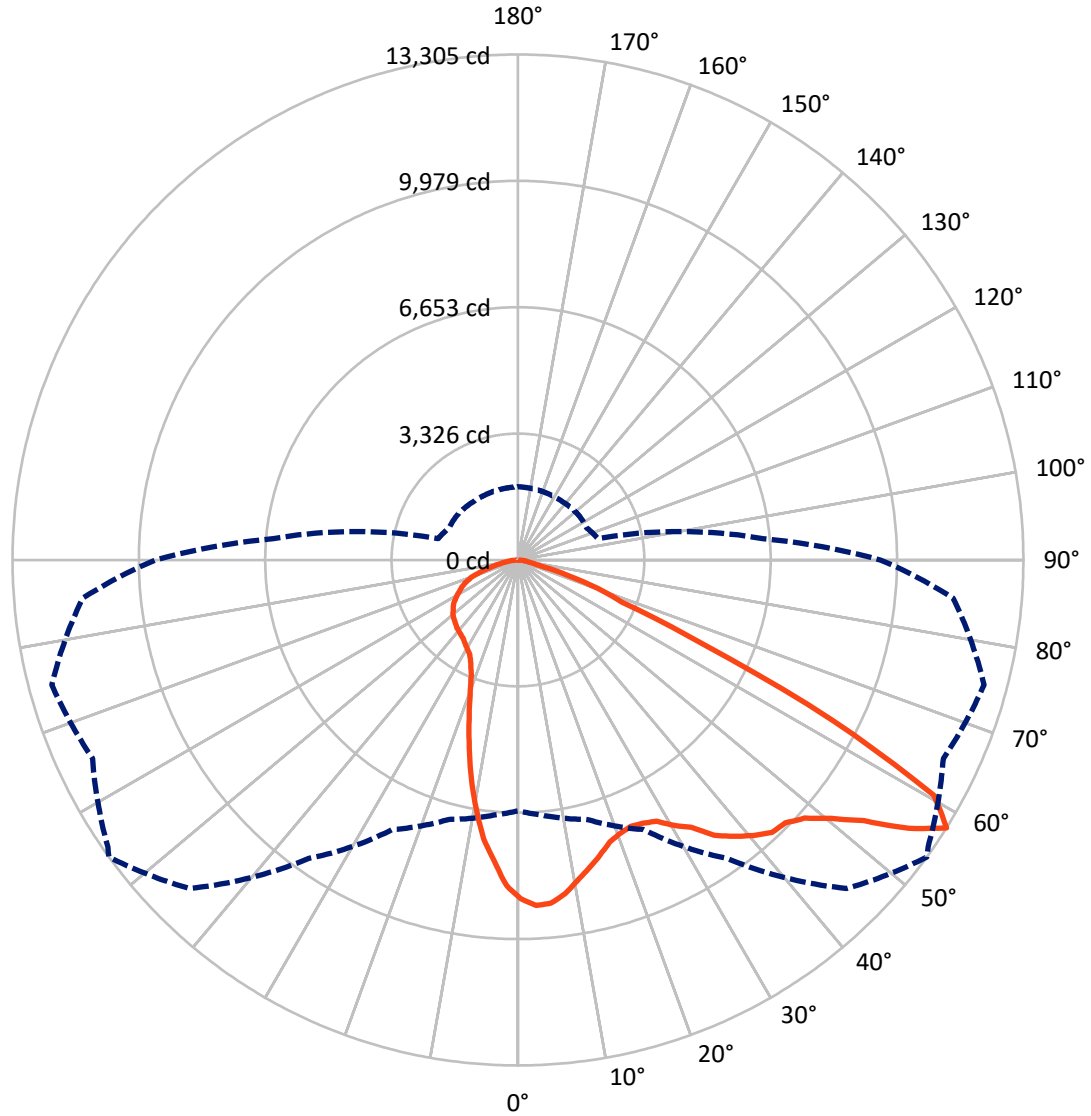
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P530860  
CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P530860  
 CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6347.0   | 0.0    | 6347.0  |
|                    | % Fixture | 27.7     | 0.0    | 27.7    |
| <b>Street Side</b> | Lumens    | 16595.0  | 0.0    | 16595.0 |
|                    | % Fixture | 72.3     | 0.0    | 72.3    |
| <b>Total</b>       | Lumens    | 22942.0  | 0.0    | 22942.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 769.0   | 3.4       |
| 10°-20°   | 1780.6  | 7.8       |
| 20°-30°   | 2501.7  | 10.9      |
| 30°-40°   | 3497.5  | 15.2      |
| 40°-50°   | 4734.9  | 20.6      |
| 50°-60°   | 5767.3  | 25.1      |
| 60°-70°   | 3003.9  | 13.1      |
| 70°-80°   | 769.7   | 3.4       |
| 80°-90°   | 117.4   | 0.5       |
| 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°    | 22942.0 | 100.0     |
| 0°-180°   | 22942.0 | 100.0     |

**Coefficient of Utilization**



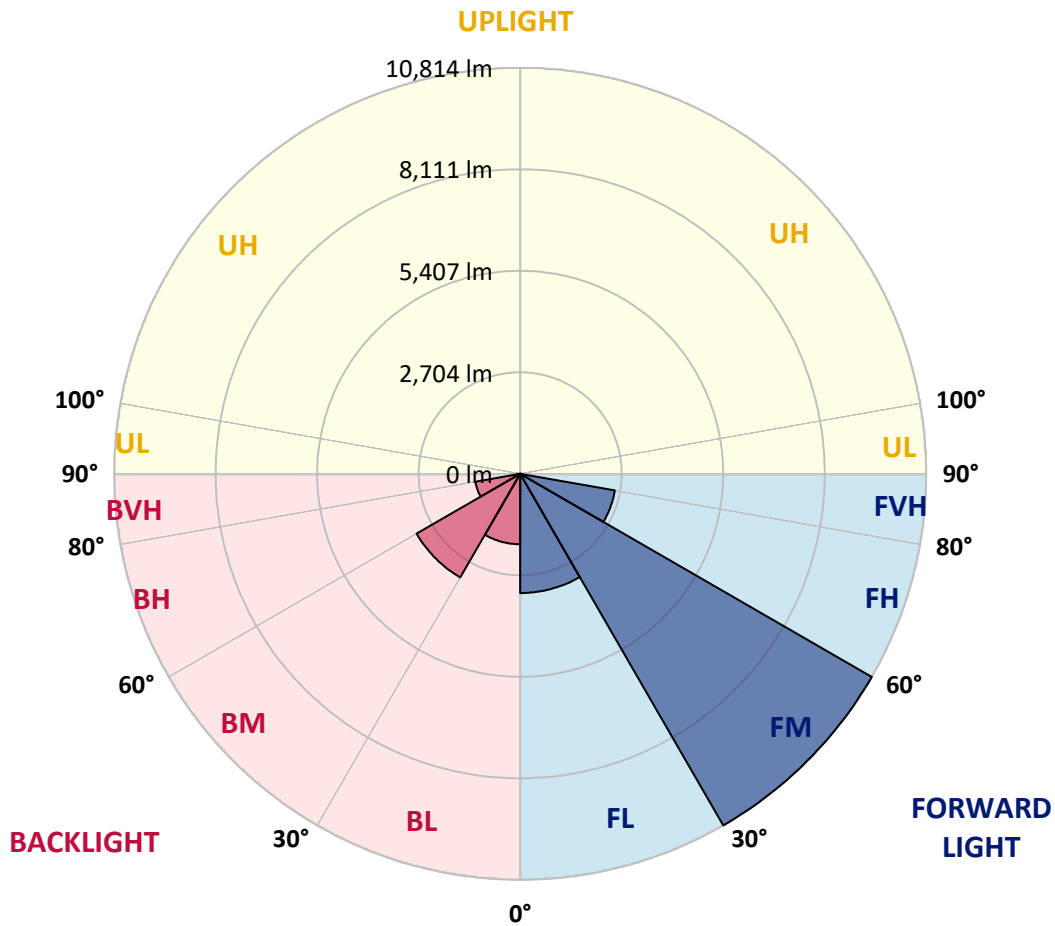
REPORT NUMBER: P530860  
 CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3175.5  | 13.8      |                         |      |         |
| FM (30°-60°)   | 10814.2 | 47.1      |                         |      |         |
| FH (60°-80°)   | 2561.0  | 11.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 44.4    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1875.9  | 8.2       | B3/2500                 |      |         |
| BM (30°-60°)   | 3185.5  | 13.9      | B3/5000                 |      |         |
| BH (60°-80°)   | 1212.6  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 73.0    | 0.3       |                         |      | 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 II Short





REPORT NUMBER: P530860

CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 54°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3  | 8917.3  | 8917.3  | 8917.3  | 8917.3  | 8917.3  | 8917.3  |
| 2.5°  | 9170.9 | 9135.5 | 9141.4 | 9188.6 | 9129.6  | 9106.0  | 9106.0  | 8991.0  | 8999.9  | 8920.2  | 8899.6  |
| 5°    | 8958.6 | 8876.0 | 8932.0 | 9002.8 | 9014.6  | 9038.2  | 9076.5  | 9047.0  | 8964.5  | 8879.0  | 8740.4  |
| 7.5°  | 8404.2 | 8477.9 | 8498.6 | 8548.7 | 8654.8  | 8752.2  | 8873.1  | 8790.5  | 8787.5  | 8702.0  | 8619.5  |
| 10°   | 7917.6 | 7873.4 | 7985.5 | 8059.2 | 8236.1  | 8398.3  | 8584.1  | 8575.2  | 8619.5  | 8522.1  | 8380.6  |
| 12.5° | 7434.0 | 7398.6 | 7451.7 | 7619.8 | 7867.5  | 8103.4  | 8324.6  | 8242.0  | 8477.9  | 8460.2  | 8156.5  |
| 15°   | 6920.9 | 6947.5 | 7024.1 | 7180.4 | 7504.8  | 7787.9  | 8068.0  | 8071.0  | 8280.3  | 8351.1  | 7944.2  |
| 17.5° | 6561.2 | 6531.7 | 6629.0 | 6862.0 | 7150.9  | 7490.1  | 7808.5  | 7873.4  | 8194.8  | 8236.1  | 7879.3  |
| 20°   | 6292.8 | 6334.1 | 6460.9 | 6578.9 | 6912.1  | 7322.0  | 7681.7  | 7705.3  | 8177.1  | 8289.2  | 7776.1  |
| 22.5° | 6228.0 | 6204.4 | 6245.6 | 6437.3 | 6711.6  | 7156.8  | 7613.9  | 7702.4  | 8174.2  | 8271.5  | 7581.5  |
| 25°   | 6160.1 | 6236.8 | 6233.8 | 6425.5 | 6626.0  | 7024.1  | 7669.9  | 7767.2  | 8330.5  | 8362.9  | 7608.0  |
| 27.5° | 6313.5 | 6304.6 | 6387.2 | 6401.9 | 6649.6  | 7059.5  | 7787.9  | 7861.6  | 8590.0  | 8563.4  | 7628.6  |
| 30°   | 6466.8 | 6422.6 | 6472.7 | 6646.7 | 6761.7  | 7263.0  | 8112.3  | 8106.4  | 8926.1  | 8908.4  | 7693.5  |
| 32.5° | 6655.5 | 6634.9 | 6667.3 | 6820.7 | 7015.3  | 7534.3  | 8386.5  | 8560.5  | 9268.2  | 9380.3  | 7917.6  |
| 35°   | 6690.9 | 6776.4 | 6853.1 | 7059.5 | 7336.7  | 7973.7  | 8902.5  | 9047.0  | 9663.3  | 10014.3 | 8345.2  |
| 37.5° | 6915.0 | 6947.5 | 7127.3 | 7493.0 | 7746.6  | 8560.5  | 9229.9  | 9321.3  | 10023.1 | 10421.2 | 8796.4  |
| 40°   | 7153.9 | 7192.2 | 7463.5 | 7846.9 | 8194.8  | 8943.8  | 9536.5  | 9566.0  | 10138.1 | 10733.8 | 9091.3  |
| 42.5° | 7478.3 | 7513.6 | 7782.0 | 8262.7 | 8728.6  | 9271.2  | 9807.8  | 9840.3  | 10129.3 | 11093.5 | 9560.1  |
| 45°   | 7814.4 | 7899.9 | 8215.5 | 8761.0 | 9179.7  | 9654.5  | 9869.8  | 10002.5 | 10211.8 | 11415.0 | 9940.5  |
| 47.5° | 8286.2 | 8365.9 | 8625.4 | 9159.1 | 9648.6  | 9990.7  | 10155.8 | 10285.6 | 10409.4 | 11695.1 | 10185.3 |
| 50°   | 8787.5 | 8802.3 | 9117.8 | 9601.4 | 9961.2  | 10371.1 | 10689.5 | 10733.8 | 10668.9 | 12019.5 | 10601.1 |
| 52.5° | 9156.1 | 9203.3 | 9448.1 | 9919.9 | 10456.6 | 10960.8 | 11397.3 | 11444.4 | 11317.6 | 12140.4 | 10742.6 |
| 55°   | 8545.7 | 8519.2 | 8917.3 | 9545.4 | 10789.8 | 11839.6 | 12473.6 | 12509.0 | 11789.5 | 12514.9 | 11205.6 |
| 57.5° | 6605.4 | 6732.2 | 7071.3 | 7829.2 | 9586.7  | 12228.8 | 13305.2 | 13178.4 | 12355.6 | 12703.6 | 11500.5 |
| 60°   | 4800.7 | 4771.2 | 4998.3 | 5505.5 | 7224.7  | 10539.2 | 12579.8 | 12709.5 | 11892.7 | 11450.3 | 9483.5  |
| 62.5° | 3910.2 | 3868.9 | 3886.6 | 3904.3 | 4662.1  | 6994.6  | 9312.4  | 9309.5  | 9159.1  | 8230.2  | 6396.0  |
| 65°   | 3125.8 | 3223.1 | 3231.9 | 3364.6 | 3461.9  | 4178.5  | 5396.4  | 5685.4  | 4951.1  | 4060.6  | 2945.9  |
| 67.5° | 2356.1 | 2320.7 | 2438.7 | 2910.5 | 3093.3  | 3016.7  | 2945.9  | 2978.3  | 2117.3  | 1527.5  | 1439.0  |
| 70°   | 1388.9 | 1374.2 | 1515.7 | 2028.8 | 2547.8  | 2397.4  | 2220.5  | 2223.4  | 1453.8  | 1067.5  | 1188.4  |
| 72.5° | 760.8  | 757.9  | 787.3  | 1029.1 | 1447.9  | 1503.9  | 1332.9  | 1374.2  | 867.0   | 864.0   | 928.9   |
| 75°   | 424.6  | 415.8  | 406.9  | 454.1  | 521.9   | 551.4   | 563.2   | 569.1   | 595.7   | 666.4   | 693.0   |
| 77.5° | 156.3  | 150.4  | 150.4  | 174.0  | 221.2   | 277.2   | 350.9   | 356.8   | 421.7   | 483.6   | 510.1   |
| 80°   | 53.1   | 59.0   | 79.6   | 109.1  | 147.4   | 197.6   | 238.9   | 244.8   | 297.8   | 339.1   | 348.0   |
| 82.5° | 32.4   | 35.4   | 53.1   | 76.7   | 106.2   | 138.6   | 176.9   | 179.9   | 221.2   | 247.7   | 259.5   |
| 85°   | 14.7   | 17.7   | 29.5   | 47.2   | 67.8    | 91.4    | 94.4    | 94.4    | 91.4    | 94.4    | 88.5    |
| 87.5° | 0.0    | 0.0    | 5.9    | 5.9    | 5.9     | 8.8     | 11.8    | 8.8     | 14.7    | 17.7    | 17.7    |
| 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: P530860

CATALOG NUMBER: GALN-SA6A-760-U-SL3-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 | 8917.3 |
| 2.5°  | 8837.7 | 8805.2 | 8705.0 | 8616.5 | 8590.0 | 8472.0 | 8298.0 | 8318.7 | 8191.9 | 8250.9 | 8188.9 |
| 5°    | 8716.8 | 8607.7 | 8351.1 | 8242.0 | 7956.0 | 7826.2 | 7737.8 | 7516.6 | 7413.4 | 7392.7 | 7304.3 |
| 7.5°  | 8407.1 | 8339.3 | 8017.9 | 7723.0 | 7419.3 | 7159.8 | 6826.6 | 6599.5 | 6437.3 | 6393.1 | 6263.3 |
| 10°   | 8162.4 | 8012.0 | 7566.7 | 7118.5 | 6685.0 | 6233.8 | 5800.4 | 5461.3 | 5296.1 | 5104.4 | 5039.6 |
| 12.5° | 7920.6 | 7693.5 | 7092.0 | 6516.9 | 5956.7 | 5387.5 | 4862.6 | 4449.8 | 4090.0 | 4004.5 | 3975.0 |
| 15°   | 7770.2 | 7375.0 | 6667.3 | 5974.4 | 5178.2 | 4435.1 | 3910.2 | 3638.9 | 3417.7 | 3326.3 | 3391.2 |
| 17.5° | 7572.6 | 7112.6 | 6260.4 | 5337.4 | 4461.6 | 3777.5 | 3338.1 | 3170.0 | 3090.4 | 3099.2 | 3072.7 |
| 20°   | 7324.9 | 6864.9 | 5726.6 | 4759.4 | 3821.7 | 3276.2 | 3025.5 | 2963.6 | 2975.4 | 2996.0 | 2987.2 |
| 22.5° | 7148.0 | 6564.1 | 5340.3 | 4169.7 | 3302.7 | 2999.0 | 2895.8 | 2851.5 | 2889.9 | 2907.6 | 2892.8 |
| 25°   | 7012.3 | 6307.6 | 4871.5 | 3647.7 | 3001.9 | 2842.7 | 2795.5 | 2792.6 | 2851.5 | 2875.1 | 2860.4 |
| 27.5° | 6888.5 | 6068.7 | 4405.6 | 3249.6 | 2801.4 | 2721.8 | 2707.0 | 2742.4 | 2780.8 | 2804.3 | 2825.0 |
| 30°   | 6814.8 | 5885.9 | 3969.1 | 2916.4 | 2701.1 | 2662.8 | 2636.3 | 2668.7 | 2689.3 | 2712.9 | 2701.1 |
| 32.5° | 6885.5 | 5756.1 | 3547.5 | 2727.7 | 2618.6 | 2580.2 | 2615.6 | 2595.0 | 2630.4 | 2651.0 | 2618.6 |
| 35°   | 7106.7 | 5641.1 | 3246.7 | 2627.4 | 2524.2 | 2539.0 | 2544.8 | 2536.0 | 2550.7 | 2533.1 | 2571.4 |
| 37.5° | 7324.9 | 5599.8 | 2969.5 | 2541.9 | 2480.0 | 2480.0 | 2474.1 | 2456.4 | 2485.9 | 2480.0 | 2497.7 |
| 40°   | 7602.1 | 5626.4 | 2733.6 | 2450.5 | 2438.7 | 2432.8 | 2409.2 | 2406.3 | 2394.5 | 2397.4 | 2403.3 |
| 42.5° | 7843.9 | 5685.4 | 2597.9 | 2391.5 | 2400.4 | 2412.2 | 2367.9 | 2332.5 | 2347.3 | 2317.8 | 2317.8 |
| 45°   | 8100.5 | 5738.4 | 2477.0 | 2350.2 | 2341.4 | 2338.4 | 2303.0 | 2282.4 | 2270.6 | 2273.6 | 2300.1 |
| 47.5° | 8504.5 | 5815.1 | 2385.6 | 2294.2 | 2300.1 | 2255.9 | 2247.0 | 2220.5 | 2232.3 | 2250.0 | 2252.9 |
| 50°   | 8790.5 | 5977.3 | 2314.8 | 2229.3 | 2250.0 | 2220.5 | 2167.4 | 2155.6 | 2155.6 | 2185.1 | 2179.2 |
| 52.5° | 8991.0 | 6204.4 | 2247.0 | 2158.6 | 2167.4 | 2143.8 | 2126.1 | 2099.6 | 2081.9 | 2123.2 | 2143.8 |
| 55°   | 9604.4 | 6581.8 | 2229.3 | 2099.6 | 2096.6 | 2073.0 | 2040.6 | 2014.1 | 2005.2 | 2011.1 | 2052.4 |
| 57.5° | 9545.4 | 6463.9 | 2173.3 | 1996.4 | 1990.5 | 1958.0 | 1925.6 | 1916.7 | 1913.8 | 1919.7 | 1931.5 |
| 60°   | 7749.6 | 4774.2 | 1940.3 | 1878.4 | 1869.6 | 1863.7 | 1831.2 | 1795.8 | 1778.2 | 1795.8 | 1781.1 |
| 62.5° | 5128.0 | 3196.5 | 1710.3 | 1736.9 | 1742.8 | 1728.0 | 1674.9 | 1639.6 | 1645.5 | 1666.1 | 1633.7 |
| 65°   | 2518.3 | 1878.4 | 1551.1 | 1621.9 | 1627.8 | 1586.5 | 1536.3 | 1495.1 | 1474.4 | 1492.1 | 1477.4 |
| 67.5° | 1439.0 | 1436.1 | 1421.3 | 1495.1 | 1492.1 | 1450.8 | 1371.2 | 1335.8 | 1300.4 | 1306.3 | 1297.5 |
| 70°   | 1220.8 | 1244.4 | 1273.9 | 1318.1 | 1315.2 | 1268.0 | 1173.6 | 1147.1 | 1097.0 | 1091.1 | 1076.3 |
| 72.5° | 961.3  | 1002.6 | 1067.5 | 1099.9 | 1073.4 | 1014.4 | 952.5  | 908.2  | 864.0  | 837.5  | 846.3  |
| 75°   | 713.6  | 772.6  | 808.0  | 828.6  | 787.3  | 754.9  | 704.8  | 651.7  | 598.6  | 575.0  | 566.2  |
| 77.5° | 519.0  | 536.7  | 569.1  | 583.9  | 557.3  | 524.9  | 495.4  | 442.3  | 392.2  | 359.8  | 350.9  |
| 80°   | 362.7  | 374.5  | 398.1  | 398.1  | 398.1  | 383.3  | 345.0  | 291.9  | 259.5  | 230.0  | 224.1  |
| 82.5° | 253.6  | 265.4  | 289.0  | 277.2  | 274.2  | 256.5  | 233.0  | 191.7  | 156.3  | 135.6  | 129.7  |
| 85°   | 88.5   | 97.3   | 118.0  | 141.5  | 150.4  | 147.4  | 132.7  | 106.2  | 82.6   | 67.8   | 61.9   |
| 87.5° | 20.6   | 20.6   | 23.6   | 20.6   | 20.6   | 23.6   | 20.6   | 20.6   | 20.6   | 14.7   | 11.8   |
| 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)