

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: P952004

Luminaire Tested: **GALN-SB6A-727-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-727-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

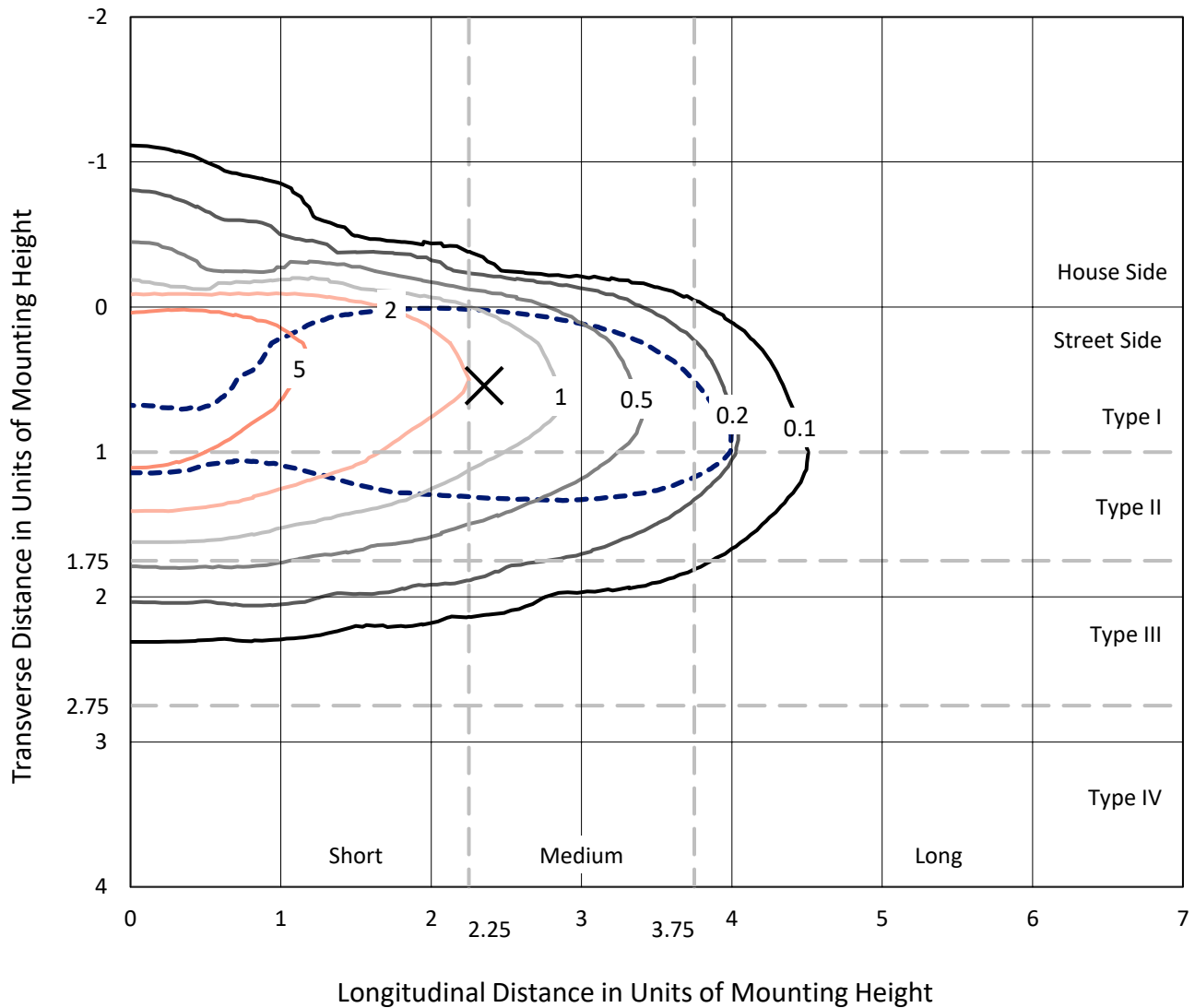
Lumens per Lamp: N/A  
Luminaire Lumens: 21362 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952004  
 CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

## Iso-Footcandle Lines of Horizontal Illumination

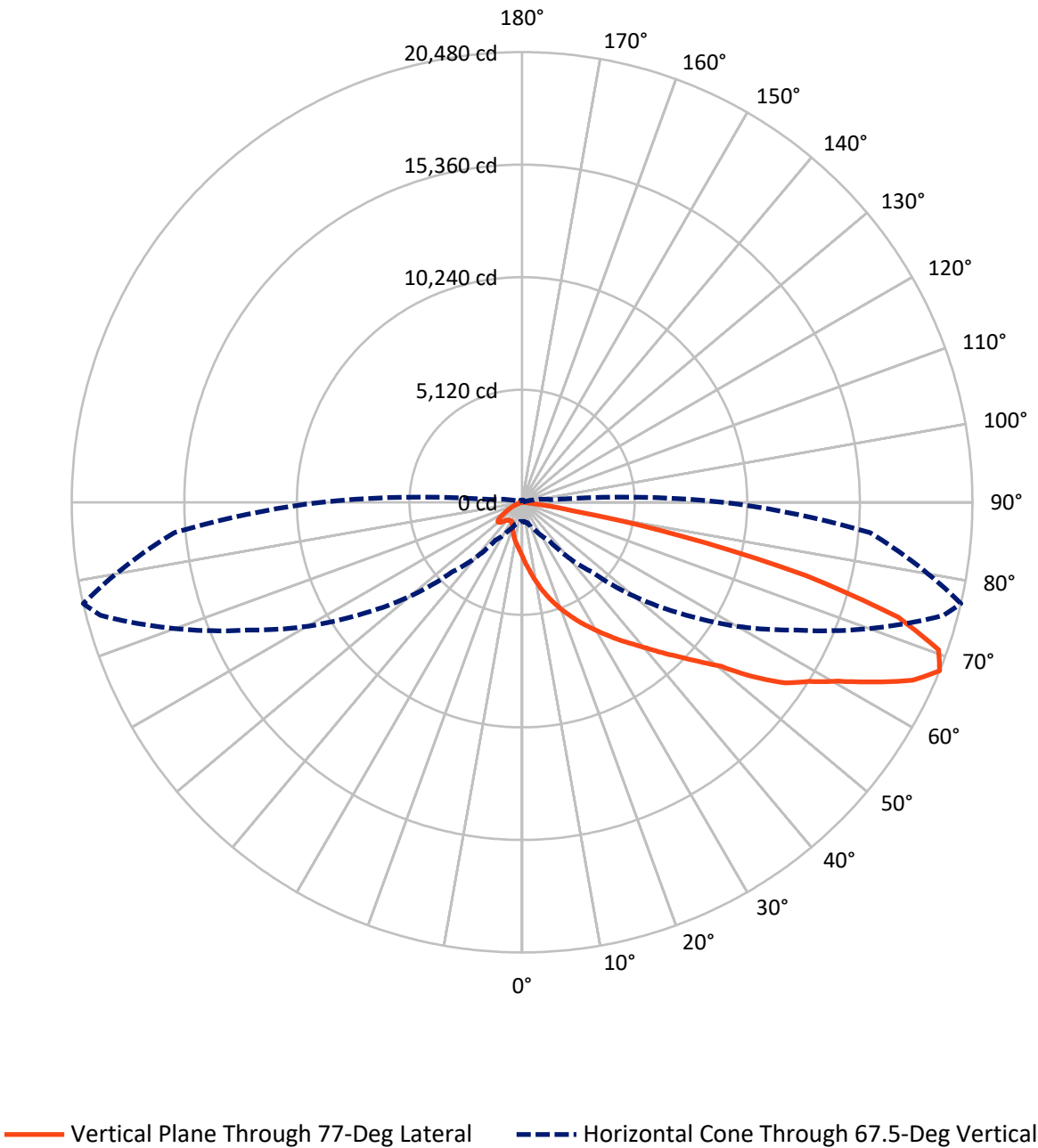
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P952004  
CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P952004

CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1571.6   | 0.0    | 1571.6  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 19790.4  | 0.0    | 19790.4 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 21362.0  | 0.0    | 21362.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 251.4   | 1.2       |
| 10°-20°   | 880.5   | 4.1       |
| 20°-30°   | 1699.1  | 8.0       |
| 30°-40°   | 2949.6  | 13.8      |
| 40°-50°   | 4282.7  | 20.0      |
| 50°-60°   | 4918.2  | 23.0      |
| 60°-70°   | 4269.9  | 20.0      |
| 70°-80°   | 2011.2  | 9.4       |
| 80°-90°   | 99.5    | 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°    | 21362.0 | 100.0     |
| 0°-180°   | 21362.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952004

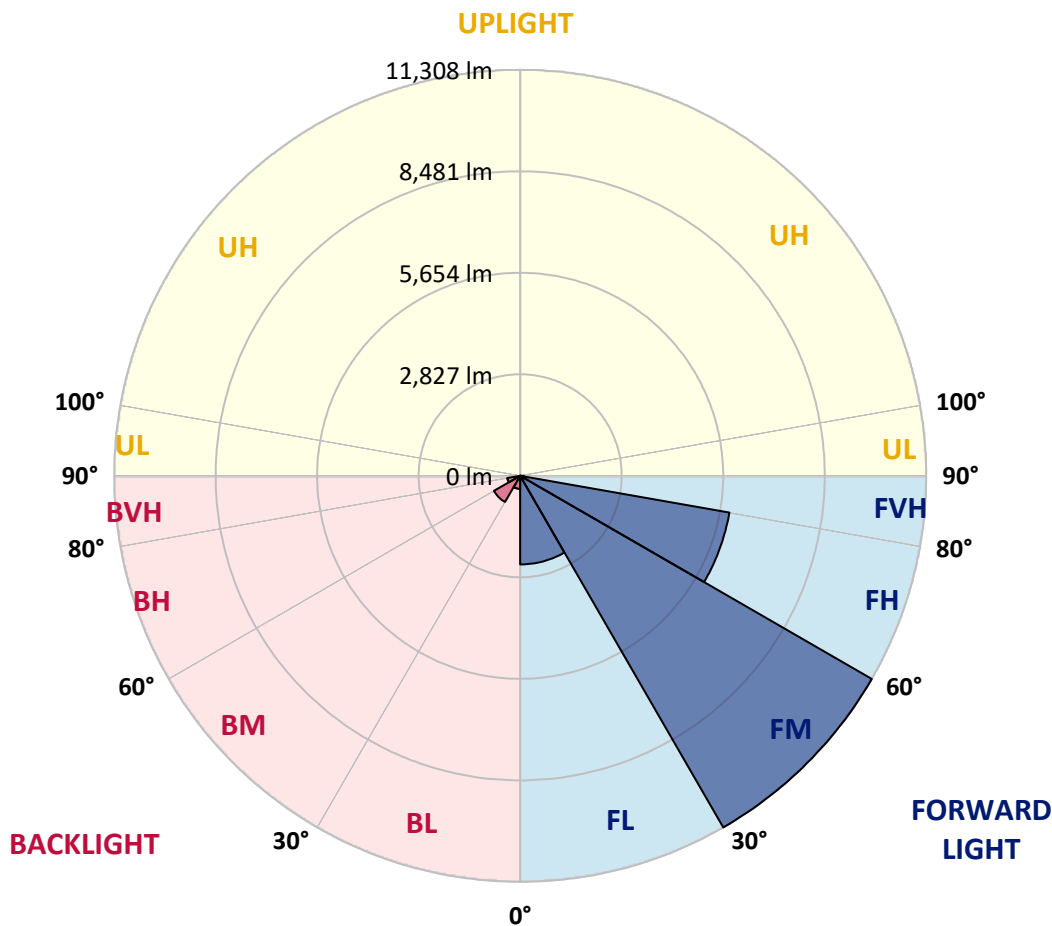
CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2467.1  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 11308.5 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 5917.2  | 27.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 97.6    | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 363.9   | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 842.1   | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 363.8   | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.8     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type II Medium



REPORT NUMBER: P952004

CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  | 2463.4  |
| 2.5°  | 3410.5  | 3431.7  | 3401.2  | 3342.8  | 3255.3  | 3198.2  | 3059.0  | 2927.6  | 2781.7  | 2735.3  | 2589.4  |
| 5°    | 4157.3  | 4175.9  | 4141.4  | 4077.7  | 3961.0  | 3849.6  | 3666.5  | 3391.9  | 3106.7  | 3015.2  | 2756.5  |
| 7.5°  | 4710.5  | 4721.1  | 4707.8  | 4649.5  | 4538.0  | 4412.0  | 4207.7  | 3882.7  | 3459.6  | 3358.8  | 2962.1  |
| 10°   | 5108.4  | 5142.9  | 5138.9  | 5116.4  | 5042.1  | 4940.0  | 4722.4  | 4352.3  | 3854.9  | 3724.9  | 3194.3  |
| 12.5° | 5372.4  | 5410.9  | 5433.4  | 5483.8  | 5479.9  | 5414.9  | 5223.8  | 4832.5  | 4248.9  | 4096.3  | 3455.6  |
| 15°   | 5449.4  | 5490.5  | 5576.7  | 5693.4  | 5796.9  | 5830.1  | 5696.1  | 5303.4  | 4682.6  | 4487.6  | 3723.5  |
| 17.5° | 5405.6  | 5469.3  | 5572.7  | 5757.1  | 5983.9  | 6133.8  | 6119.2  | 5758.4  | 5076.6  | 4853.7  | 3986.2  |
| 20°   | 5502.4  | 5563.4  | 5644.4  | 5799.6  | 6063.5  | 6335.5  | 6444.2  | 6193.5  | 5467.9  | 5234.5  | 4262.1  |
| 22.5° | 6038.3  | 6027.7  | 6035.7  | 6060.9  | 6218.7  | 6488.0  | 6712.2  | 6588.8  | 5855.3  | 5616.5  | 4554.0  |
| 25°   | 6887.3  | 6839.6  | 6758.6  | 6622.0  | 6582.2  | 6712.2  | 6945.7  | 6939.0  | 6263.8  | 6007.8  | 4852.4  |
| 27.5° | 7861.0  | 7853.0  | 7663.3  | 7334.3  | 7148.6  | 7098.2  | 7209.7  | 7280.0  | 6668.4  | 6395.2  | 5152.2  |
| 30°   | 8793.5  | 8814.7  | 8558.7  | 8192.6  | 7851.7  | 7654.0  | 7553.2  | 7603.6  | 7079.7  | 6813.0  | 5461.3  |
| 32.5° | 9605.4  | 9627.9  | 9349.3  | 8920.9  | 8499.0  | 8260.3  | 8048.0  | 7923.3  | 7528.0  | 7237.5  | 5800.9  |
| 35°   | 10291.2 | 10313.7 | 9994.0  | 9520.5  | 9070.8  | 8854.5  | 8614.4  | 8273.5  | 7979.0  | 7708.4  | 6178.9  |
| 37.5° | 10904.0 | 10897.4 | 10468.9 | 9991.4  | 9549.6  | 9378.5  | 9252.5  | 8704.6  | 8443.3  | 8182.0  | 6598.1  |
| 40°   | 11266.2 | 11294.0 | 10927.9 | 10401.3 | 9972.8  | 9848.1  | 9840.1  | 9239.2  | 8979.2  | 8725.9  | 7057.1  |
| 42.5° | 11372.3 | 11421.4 | 11156.1 | 10723.6 | 10334.9 | 10199.6 | 10407.9 | 9817.6  | 9602.7  | 9356.0  | 7575.8  |
| 45°   | 11181.3 | 11229.0 | 11108.3 | 10808.5 | 10581.7 | 10494.1 | 10896.1 | 10417.2 | 10268.6 | 10024.5 | 8160.8  |
| 47.5° | 10624.1 | 10683.8 | 10713.0 | 10649.3 | 10646.7 | 10735.5 | 11333.8 | 11048.6 | 11059.2 | 10809.8 | 8838.6  |
| 50°   | 9545.7  | 9646.5  | 9914.4  | 10139.9 | 10488.8 | 10926.6 | 11759.6 | 11733.1 | 11950.6 | 11735.7 | 9722.1  |
| 52.5° | 7585.1  | 7728.3  | 8651.6  | 9268.4  | 10052.4 | 10890.8 | 12227.9 | 12831.5 | 13514.6 | 13200.2 | 10967.7 |
| 55°   | 6095.4  | 6095.4  | 6846.2  | 8000.3  | 9200.8  | 10654.6 | 12432.2 | 13545.1 | 14579.8 | 14505.5 | 11844.5 |
| 57.5° | 4969.2  | 5028.8  | 5507.7  | 6527.8  | 7968.4  | 10092.2 | 12558.2 | 13993.5 | 15438.1 | 15383.7 | 12701.5 |
| 60°   | 3066.9  | 3195.6  | 4100.3  | 5107.1  | 6566.3  | 9090.7  | 12478.6 | 14447.2 | 16479.4 | 16523.2 | 13733.5 |
| 62.5° | 1727.1  | 1774.9  | 2178.2  | 3674.5  | 5105.8  | 7744.2  | 11869.7 | 14700.5 | 17811.2 | 17996.9 | 14797.4 |
| 65°   | 1192.5  | 1216.4  | 1371.6  | 2286.9  | 3539.2  | 6165.7  | 10679.8 | 14542.7 | 19145.7 | 19521.1 | 15699.4 |
| 67.5° | 866.2   | 878.2   | 975.0   | 1396.8  | 2099.9  | 4470.4  | 8814.7  | 13746.8 | 19852.7 | 20480.2 | 15871.8 |
| 70°   | 665.9   | 673.9   | 744.2   | 918.0   | 1240.3  | 2759.2  | 6401.8  | 12164.2 | 19340.7 | 20090.2 | 14988.4 |
| 72.5° | 541.2   | 549.2   | 603.6   | 679.2   | 822.4   | 1631.6  | 3880.1  | 9878.6  | 17080.3 | 17889.5 | 12759.8 |
| 75°   | 456.3   | 466.9   | 516.0   | 565.1   | 644.7   | 1048.0  | 1820.0  | 6879.3  | 12844.7 | 13375.3 | 8873.1  |
| 77.5° | 253.4   | 233.5   | 419.2   | 468.3   | 543.9   | 663.3   | 851.6   | 4048.5  | 7193.7  | 7341.0  | 3937.1  |
| 80°   | 157.9   | 163.2   | 333.0   | 376.7   | 417.9   | 334.3   | 390.0   | 1558.7  | 2493.9  | 2369.2  | 762.8   |
| 82.5° | 9.3     | 21.2    | 256.0   | 271.9   | 286.5   | 143.3   | 147.2   | 529.3   | 600.9   | 551.8   | 135.3   |
| 85°   | 0.0     | 0.0     | 116.7   | 94.2    | 99.5    | 41.1    | 42.4    | 123.4   | 80.9    | 87.6    | 26.5    |
| 87.5° | 0.0     | 0.0     | 0.0     | 2.7     | 0.0     | 4.0     | 8.0     | 10.6    | 4.0     | 5.3     | 9.3     |
| 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: P952004

CATALOG NUMBER: GALN-SB6A-727-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 | 2463.4 |
| 2.5°  | 2496.5 | 2403.7 | 2215.3 | 2030.9 | 1881.0 | 1741.7 | 1642.2 | 1548.1 | 1500.3 | 1497.6 | 1495.0 |
| 5°    | 2572.1 | 2377.1 | 2000.4 | 1667.4 | 1399.5 | 1184.6 | 1045.3 | 945.8  | 895.4  | 878.2  | 875.5  |
| 7.5°  | 2678.2 | 2385.1 | 1812.0 | 1349.1 | 1033.4 | 849.0  | 769.4  | 737.5  | 726.9  | 715.0  | 712.3  |
| 10°   | 2812.2 | 2403.7 | 1643.6 | 1086.4 | 814.5  | 721.6  | 689.8  | 676.5  | 668.6  | 660.6  | 658.0  |
| 12.5° | 2962.1 | 2420.9 | 1476.4 | 902.0  | 716.3  | 668.6  | 646.0  | 630.1  | 619.5  | 610.2  | 607.5  |
| 15°   | 3108.0 | 2431.5 | 1302.6 | 773.4  | 665.9  | 627.4  | 603.6  | 586.3  | 571.7  | 561.1  | 559.8  |
| 17.5° | 3252.6 | 2446.1 | 1139.5 | 696.4  | 624.8  | 586.3  | 562.4  | 541.2  | 529.3  | 517.3  | 516.0  |
| 20°   | 3413.1 | 2443.5 | 985.6  | 642.0  | 583.7  | 545.2  | 520.0  | 500.1  | 488.2  | 474.9  | 473.6  |
| 22.5° | 3561.7 | 2430.2 | 850.3  | 595.6  | 541.2  | 504.1  | 476.2  | 456.3  | 444.4  | 433.8  | 432.4  |
| 25°   | 3732.8 | 2419.6 | 737.5  | 553.2  | 501.4  | 464.3  | 433.8  | 415.2  | 401.9  | 392.7  | 391.3  |
| 27.5° | 3897.3 | 2403.7 | 655.3  | 514.7  | 463.0  | 427.1  | 398.0  | 376.7  | 364.8  | 358.2  | 358.2  |
| 30°   | 4059.2 | 2399.7 | 624.8  | 477.5  | 428.5  | 392.7  | 363.5  | 343.6  | 334.3  | 331.6  | 330.3  |
| 32.5° | 4254.2 | 2410.3 | 638.1  | 464.3  | 396.6  | 360.8  | 333.0  | 318.4  | 309.1  | 309.1  | 309.1  |
| 35°   | 4462.4 | 2407.6 | 658.0  | 476.2  | 375.4  | 329.0  | 307.8  | 298.5  | 289.2  | 289.2  | 289.2  |
| 37.5° | 4723.7 | 2411.6 | 673.9  | 496.1  | 367.4  | 302.4  | 290.5  | 278.6  | 273.3  | 273.3  | 273.3  |
| 40°   | 5113.7 | 2542.9 | 665.9  | 513.4  | 364.8  | 283.9  | 260.0  | 256.0  | 252.0  | 252.0  | 252.0  |
| 42.5° | 5591.3 | 2828.1 | 676.5  | 514.7  | 363.5  | 270.6  | 238.8  | 246.7  | 237.4  | 236.1  | 234.8  |
| 45°   | 6113.9 | 3139.9 | 744.2  | 486.8  | 362.1  | 264.0  | 228.2  | 237.4  | 222.9  | 222.9  | 222.9  |
| 47.5° | 6632.6 | 3449.0 | 813.2  | 447.0  | 358.2  | 262.7  | 218.9  | 213.6  | 209.6  | 210.9  | 210.9  |
| 50°   | 7347.6 | 3701.0 | 839.7  | 392.7  | 348.9  | 260.0  | 201.6  | 203.0  | 200.3  | 203.0  | 203.0  |
| 52.5° | 8126.3 | 3754.1 | 807.9  | 331.6  | 322.3  | 252.0  | 189.7  | 195.0  | 193.7  | 196.3  | 196.3  |
| 55°   | 8611.8 | 3697.0 | 667.2  | 275.9  | 281.2  | 220.2  | 177.8  | 188.4  | 188.4  | 188.4  | 188.4  |
| 57.5° | 9113.2 | 3454.3 | 473.6  | 224.2  | 233.5  | 180.4  | 167.1  | 181.7  | 180.4  | 179.1  | 179.1  |
| 60°   | 9474.0 | 3061.6 | 311.7  | 184.4  | 185.7  | 148.6  | 155.2  | 171.1  | 169.8  | 163.2  | 163.2  |
| 62.5° | 9743.3 | 2627.8 | 200.3  | 156.5  | 141.9  | 134.0  | 141.9  | 155.2  | 149.9  | 135.3  | 132.7  |
| 65°   | 9712.8 | 2026.9 | 153.9  | 134.0  | 116.7  | 116.7  | 123.4  | 135.3  | 119.4  | 95.5   | 92.9   |
| 67.5° | 9146.4 | 1371.6 | 127.3  | 112.8  | 98.2   | 96.8   | 102.1  | 112.8  | 102.1  | 80.9   | 78.3   |
| 70°   | 8134.2 | 896.7  | 102.1  | 87.6   | 78.3   | 71.6   | 82.2   | 96.8   | 86.2   | 65.0   | 62.3   |
| 72.5° | 6602.1 | 546.5  | 76.9   | 63.7   | 57.0   | 46.4   | 65.0   | 79.6   | 69.0   | 47.8   | 45.1   |
| 75°   | 4271.4 | 278.6  | 53.1   | 41.1   | 30.5   | 27.9   | 47.8   | 59.7   | 47.8   | 29.2   | 25.2   |
| 77.5° | 1634.3 | 116.7  | 29.2   | 18.6   | 15.9   | 13.3   | 26.5   | 35.8   | 19.9   | 6.6    | 5.3    |
| 80°   | 314.4  | 49.1   | 14.6   | 9.3    | 8.0    | 5.3    | 4.0    | 2.7    | 0.0    | 0.0    | 0.0    |
| 82.5° | 54.4   | 15.9   | 5.3    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 18.6   | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 6.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)