

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: P942294

Luminaire Tested: **GALN-SB6B-727-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-727-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23128 lumens  
Efficiency: N/A  
Efficacy: 104.9 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): 220.4  
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

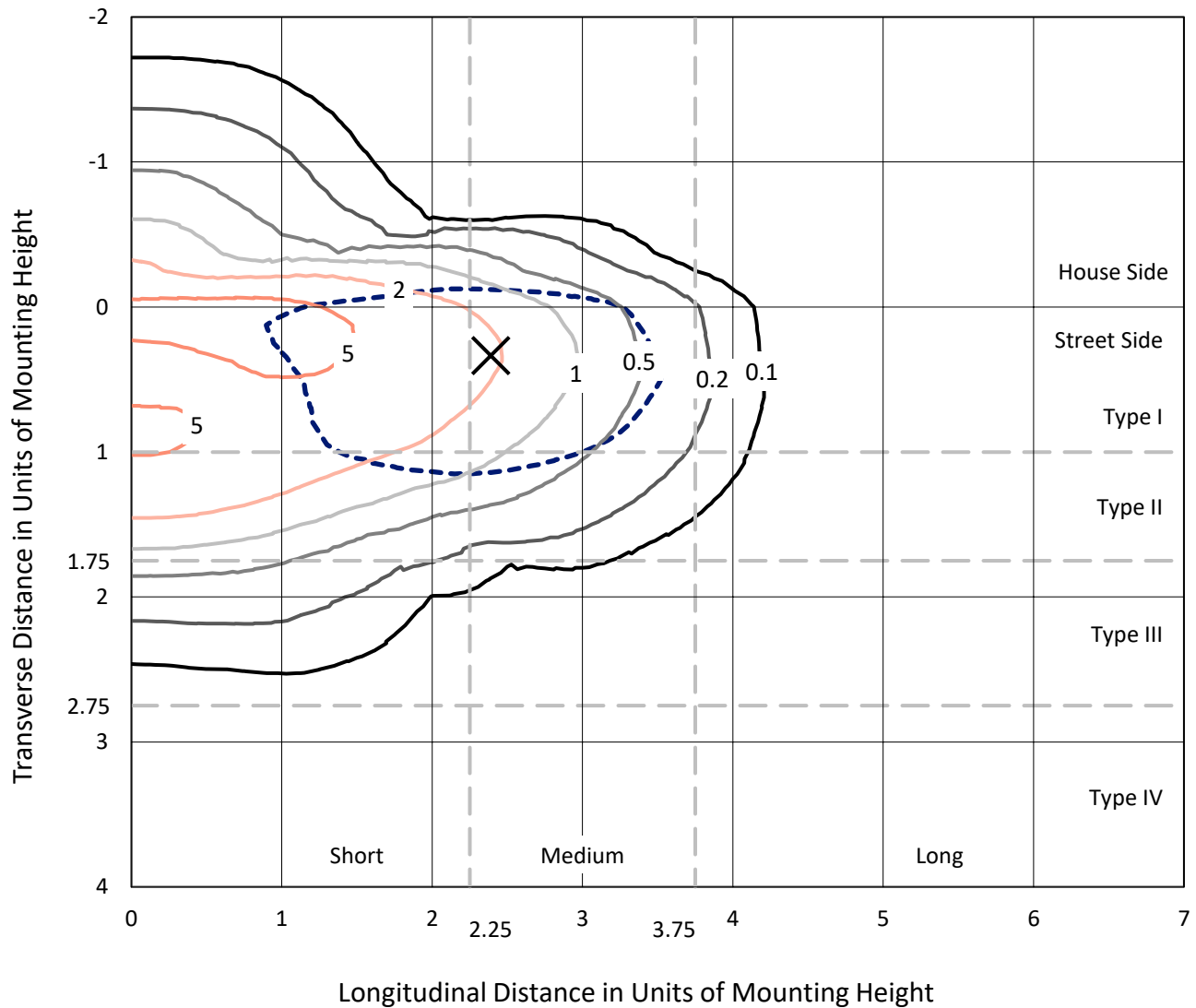


REPORT NUMBER: P942294

CATALOG NUMBER: GALN-SB6B-727-U-T2-HSS

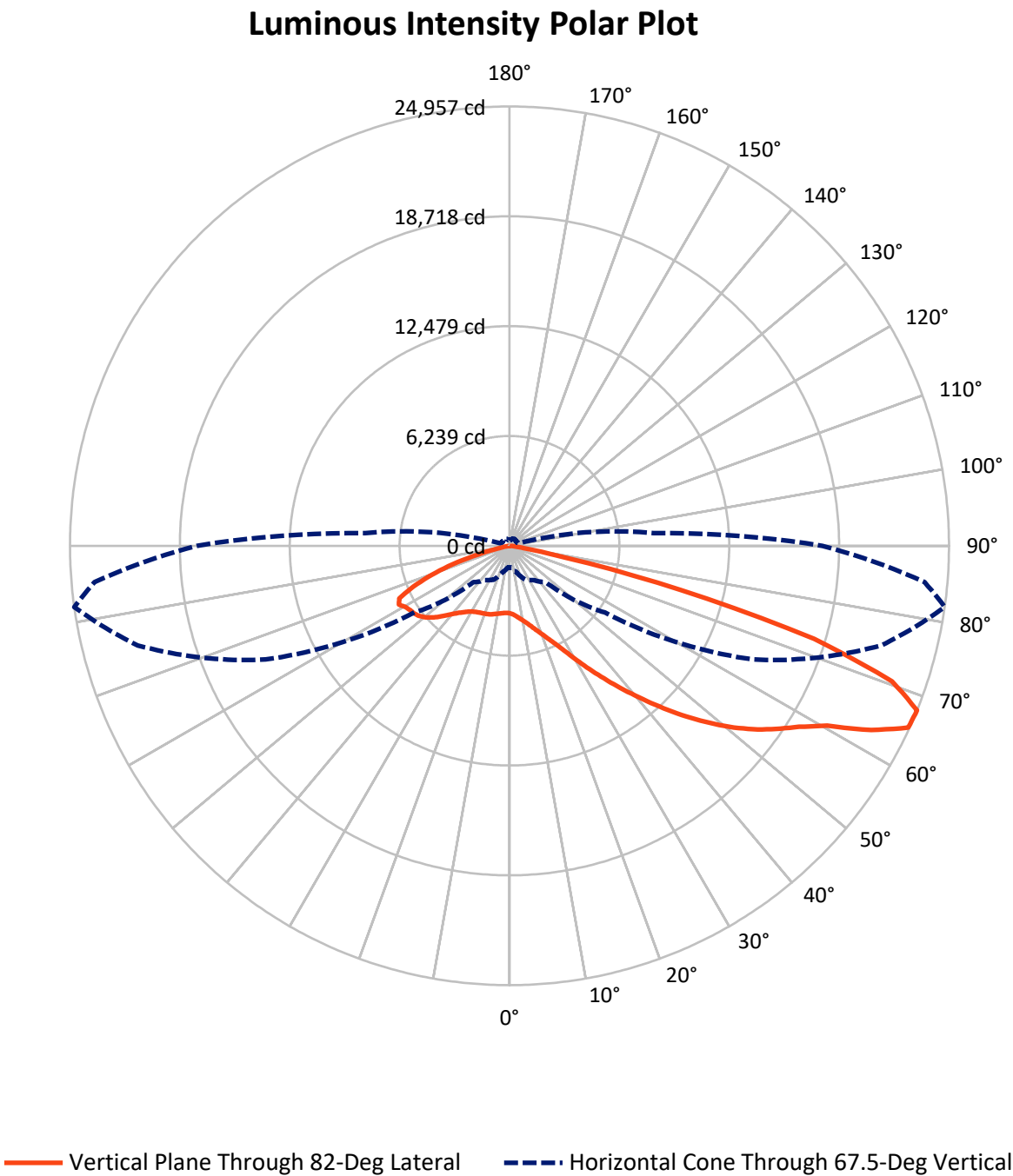
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
Type II - Medium - N/A

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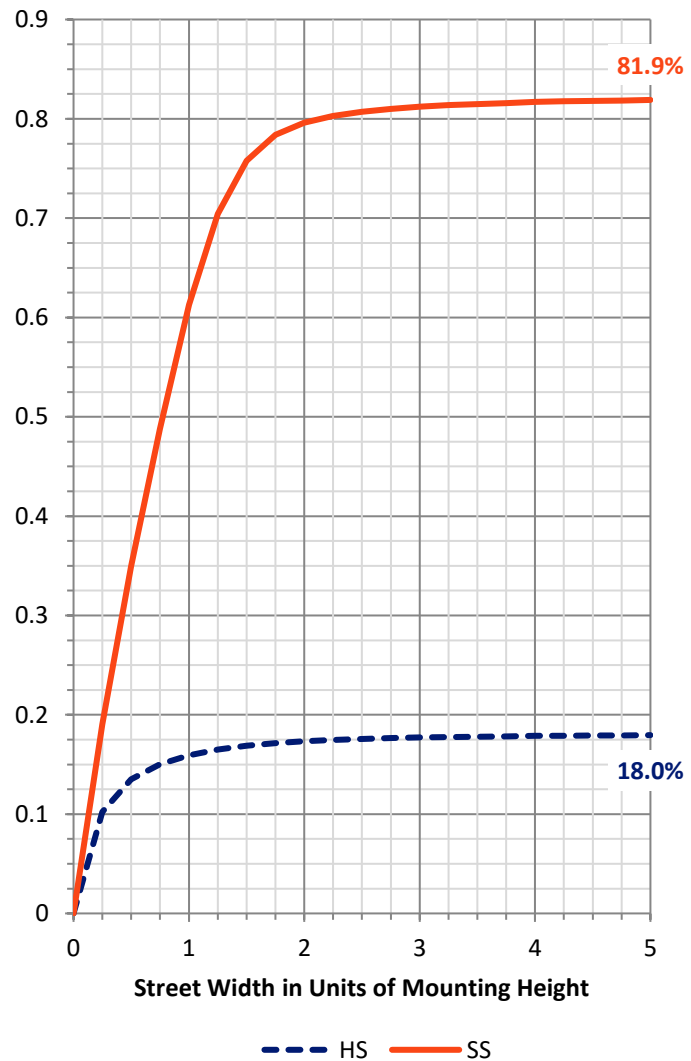
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4189.4   | 0.0    | 4189.4  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 18938.6  | 0.0    | 18938.6 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 23128.0  | 0.0    | 23128.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 341.4   | 1.5       |
| 10°-20°   | 887.1   | 3.8       |
| 20°-30°   | 1420.8  | 6.1       |
| 30°-40°   | 2512.4  | 10.9      |
| 40°-50°   | 4401.9  | 19.0      |
| 50°-60°   | 5871.0  | 25.4      |
| 60°-70°   | 5465.6  | 23.6      |
| 70°-80°   | 2097.7  | 9.1       |
| 80°-90°   | 130.3   | 0.6       |
| 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°    | 23128.0 | 100.0     |
| 0°-180°   | 23128.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942294

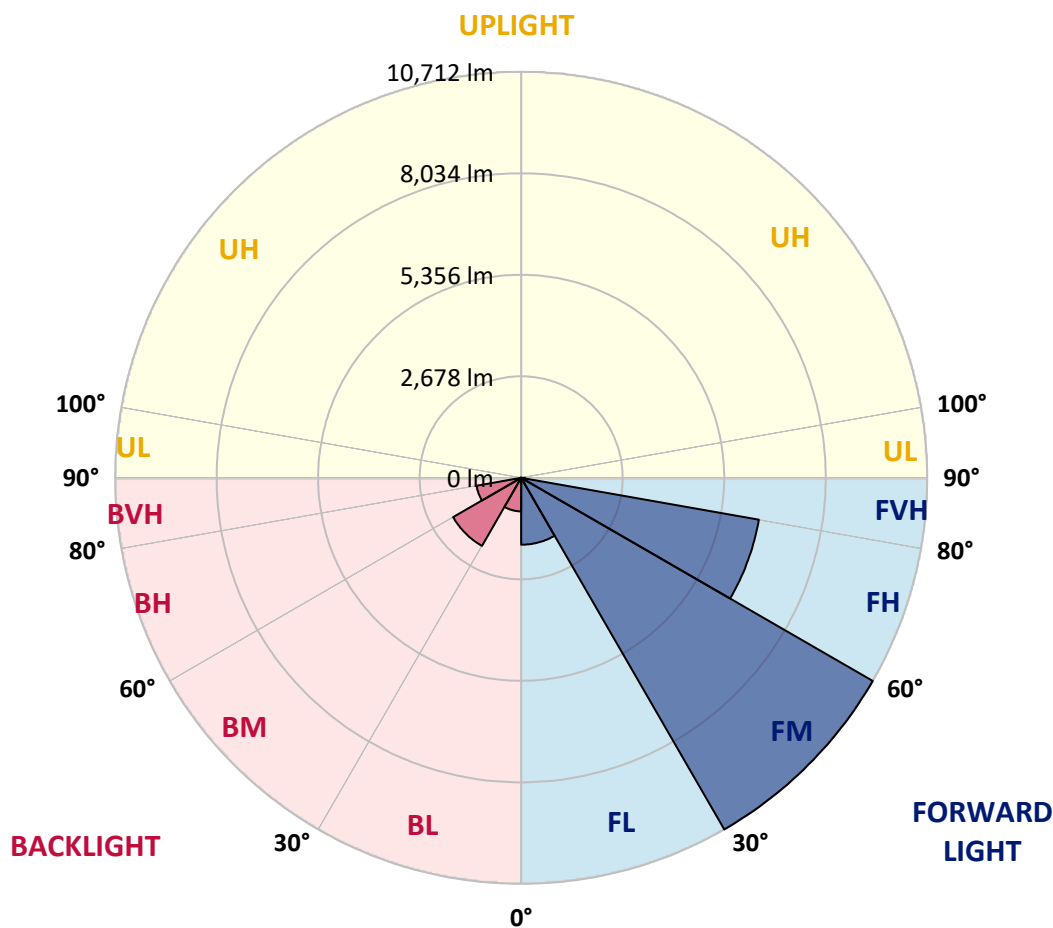
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1764.4  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 10711.9 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 6367.5  | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 94.7    | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 884.8   | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2073.3  | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1195.7  | 5.2       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 35.6    | 0.2       |                         |      | 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 Medium



REPORT NUMBER: P942294

CATALOG NUMBER: GALN-SB6B-727-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     | 85°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5  | 3831.5  | 3831.5  | 3831.5  | 3831.5  | 3831.5  | 3831.5  |
| 2.5°  | 4049.7 | 4073.0 | 4059.7 | 4053.0 | 4041.3  | 4024.7  | 4011.4  | 3969.7  | 3926.4  | 3898.1  | 3888.1  |
| 5°    | 4131.3 | 4154.6 | 4152.9 | 4159.6 | 4167.9  | 4172.9  | 4169.6  | 4122.9  | 4061.3  | 4013.0  | 3984.7  |
| 7.5°  | 4061.3 | 4088.0 | 4109.6 | 4142.9 | 4201.2  | 4262.8  | 4292.8  | 4282.8  | 4219.5  | 4152.9  | 4117.9  |
| 10°   | 3863.2 | 3891.5 | 3943.1 | 4021.4 | 4144.6  | 4277.8  | 4389.4  | 4441.0  | 4401.0  | 4327.7  | 4279.5  |
| 12.5° | 3500.2 | 3528.5 | 3630.0 | 3799.9 | 4006.4  | 4237.8  | 4451.0  | 4589.2  | 4599.2  | 4525.9  | 4469.3  |
| 15°   | 3092.2 | 3120.5 | 3228.7 | 3441.9 | 3756.6  | 4127.9  | 4484.3  | 4745.7  | 4834.0  | 4770.7  | 4702.4  |
| 17.5° | 2839.1 | 2864.1 | 2945.7 | 3117.2 | 3445.2  | 3908.1  | 4472.6  | 4912.2  | 5113.7  | 5063.7  | 4982.2  |
| 20°   | 2762.5 | 2784.1 | 2822.4 | 2942.3 | 3215.4  | 3680.0  | 4396.0  | 5068.7  | 5415.1  | 5386.8  | 5295.2  |
| 22.5° | 2844.1 | 2864.1 | 2875.7 | 2929.0 | 3100.5  | 3530.1  | 4299.4  | 5228.6  | 5764.8  | 5768.1  | 5656.5  |
| 25°   | 3032.3 | 3052.2 | 3038.9 | 3072.2 | 3147.1  | 3483.5  | 4262.8  | 5416.8  | 6204.4  | 6241.0  | 6114.5  |
| 27.5° | 3342.0 | 3343.6 | 3312.0 | 3310.3 | 3322.0  | 3553.4  | 4301.1  | 5618.2  | 6758.9  | 6827.1  | 6670.6  |
| 30°   | 3963.1 | 3938.1 | 3816.5 | 3685.0 | 3625.0  | 3763.3  | 4407.7  | 5856.4  | 7413.3  | 7534.8  | 7338.3  |
| 32.5° | 4920.5 | 4883.9 | 4660.8 | 4346.1 | 4029.7  | 4101.3  | 4599.2  | 6127.8  | 8126.0  | 8345.8  | 8106.0  |
| 35°   | 5959.6 | 5949.6 | 5716.5 | 5248.6 | 4695.7  | 4582.5  | 4910.5  | 6484.1  | 8903.6  | 9253.3  | 8968.5  |
| 37.5° | 6925.4 | 6920.4 | 6787.2 | 6236.0 | 5563.3  | 5253.6  | 5410.1  | 6950.4  | 9736.2  | 10242.4 | 9906.0  |
| 40°   | 7807.9 | 7822.9 | 7689.7 | 7196.8 | 6519.1  | 6114.5  | 6089.5  | 7526.5  | 10662.0 | 11319.7 | 10920.1 |
| 42.5° | 8570.6 | 8587.2 | 8452.3 | 8087.7 | 7463.2  | 7066.9  | 6923.7  | 8232.5  | 11566.2 | 12477.0 | 12004.1 |
| 45°   | 9088.4 | 9191.7 | 9171.7 | 8880.3 | 8432.4  | 8021.1  | 7926.1  | 9118.4  | 12596.9 | 13704.2 | 13149.7 |
| 47.5° | 9235.0 | 9329.9 | 9479.7 | 9519.7 | 9246.6  | 8842.0  | 8955.2  | 10185.8 | 13639.3 | 14933.1 | 14302.0 |
| 50°   | 8873.6 | 8961.9 | 9273.3 | 9687.9 | 9877.7  | 9752.8  | 9956.0  | 11329.7 | 14706.7 | 16158.7 | 15432.7 |
| 52.5° | 8160.9 | 8250.9 | 8643.8 | 9299.9 | 10074.2 | 10467.2 | 10960.1 | 12457.0 | 15740.7 | 17319.3 | 16503.4 |
| 55°   | 7130.2 | 7225.1 | 7729.7 | 8472.3 | 9699.5  | 10761.9 | 11797.6 | 13582.7 | 16688.2 | 18363.4 | 17469.2 |
| 57.5° | 5728.1 | 5798.1 | 6322.6 | 7361.7 | 8757.1  | 10468.8 | 12415.4 | 14811.6 | 17580.7 | 19389.1 | 18426.6 |
| 60°   | 3733.3 | 3794.9 | 4404.3 | 5563.3 | 7195.1  | 9489.7  | 12538.6 | 16182.0 | 18766.3 | 20722.9 | 19717.1 |
| 62.5° | 2482.7 | 2524.4 | 2885.7 | 3736.6 | 5067.1  | 7609.8  | 11817.6 | 17276.0 | 20504.7 | 23044.1 | 21930.1 |
| 65°   | 1703.5 | 1745.1 | 2106.4 | 2699.2 | 3273.7  | 5033.8  | 9744.5  | 17131.1 | 22080.0 | 24887.4 | 23570.3 |
| 67.5° | 1215.6 | 1250.5 | 1556.9 | 2116.4 | 2369.5  | 2924.0  | 6605.7  | 15279.5 | 21853.5 | 24957.4 | 23658.6 |
| 70°   | 870.9  | 890.9  | 1144.0 | 1648.5 | 1883.3  | 1756.7  | 3673.3  | 11686.1 | 19134.3 | 23045.8 | 21856.9 |
| 72.5° | 609.4  | 616.1  | 794.3  | 1255.5 | 1517.0  | 1282.2  | 1748.4  | 7791.3  | 14471.9 | 18088.6 | 16944.6 |
| 75°   | 413.0  | 421.3  | 534.5  | 920.8  | 1217.2  | 979.1   | 925.8   | 4177.9  | 8495.6  | 10012.6 | 8975.2  |
| 77.5° | 253.1  | 256.4  | 344.7  | 629.4  | 910.8   | 746.0   | 596.1   | 1770.1  | 3287.0  | 3227.1  | 2750.8  |
| 80°   | 143.2  | 143.2  | 219.8  | 391.3  | 621.1   | 481.2   | 418.0   | 752.7   | 1040.7  | 914.2   | 805.9   |
| 82.5° | 79.9   | 81.6   | 159.9  | 243.1  | 411.3   | 284.7   | 229.8   | 348.0   | 449.6   | 398.0   | 346.4   |
| 85°   | 33.3   | 36.6   | 98.2   | 114.9  | 196.5   | 141.5   | 93.2    | 146.5   | 166.5   | 148.2   | 108.2   |
| 87.5° | 3.3    | 5.0    | 30.0   | 21.6   | 23.3    | 28.3    | 13.3    | 28.3    | 23.3    | 23.3    | 16.7    |
| 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: P942294

CATALOG NUMBER: GALN-SB6B-727-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3831.5  | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 | 3831.5 |
| 2.5°  | 3856.5  | 3831.5 | 3768.3 | 3695.0 | 3598.4 | 3551.8 | 3488.5 | 3445.2 | 3408.6 | 3411.9 | 3378.6 |
| 5°    | 3931.4  | 3868.2 | 3726.6 | 3550.1 | 3330.3 | 3173.8 | 3007.3 | 2892.4 | 2799.1 | 2779.1 | 2734.2 |
| 7.5°  | 4034.7  | 3934.8 | 3686.7 | 3368.6 | 2997.3 | 2715.9 | 2464.4 | 2302.9 | 2188.0 | 2151.4 | 2114.7 |
| 10°   | 4167.9  | 4023.0 | 3635.0 | 3140.5 | 2606.0 | 2248.0 | 1978.2 | 1851.7 | 1773.4 | 1746.7 | 1726.8 |
| 12.5° | 4322.7  | 4124.6 | 3566.8 | 2862.4 | 2203.0 | 1858.3 | 1686.8 | 1623.5 | 1598.6 | 1590.2 | 1585.2 |
| 15°   | 4517.6  | 4251.1 | 3463.5 | 2532.7 | 1861.6 | 1620.2 | 1546.9 | 1538.6 | 1541.9 | 1538.6 | 1536.9 |
| 17.5° | 4749.0  | 4389.4 | 3295.3 | 2193.0 | 1631.9 | 1498.6 | 1472.0 | 1478.7 | 1487.0 | 1485.3 | 1482.0 |
| 20°   | 5002.1  | 4525.9 | 3080.5 | 1891.6 | 1475.3 | 1412.1 | 1397.1 | 1403.7 | 1410.4 | 1407.1 | 1405.4 |
| 22.5° | 5290.2  | 4672.4 | 2842.4 | 1656.8 | 1370.4 | 1332.1 | 1315.5 | 1317.1 | 1317.1 | 1310.5 | 1307.1 |
| 25°   | 5634.9  | 4834.0 | 2592.6 | 1490.3 | 1290.5 | 1260.5 | 1240.5 | 1233.9 | 1223.9 | 1203.9 | 1200.6 |
| 27.5° | 6046.2  | 5005.5 | 2352.9 | 1373.8 | 1227.2 | 1198.9 | 1175.6 | 1158.9 | 1134.0 | 1100.7 | 1097.3 |
| 30°   | 6509.1  | 5213.6 | 2149.7 | 1300.5 | 1177.3 | 1149.0 | 1122.3 | 1097.3 | 1060.7 | 1019.1 | 1015.7 |
| 32.5° | 7053.6  | 5436.7 | 2001.5 | 1252.2 | 1132.3 | 1102.3 | 1070.7 | 1040.7 | 1000.8 | 959.1  | 960.8  |
| 35°   | 7703.0  | 5706.5 | 1914.9 | 1218.9 | 1097.3 | 1057.4 | 1022.4 | 989.1  | 959.1  | 922.5  | 919.2  |
| 37.5° | 8407.4  | 5992.9 | 1888.3 | 1202.2 | 1074.0 | 1012.4 | 972.5  | 949.1  | 945.8  | 924.2  | 922.5  |
| 40°   | 9178.3  | 6332.6 | 1908.3 | 1192.3 | 1049.0 | 969.1  | 925.8  | 920.8  | 929.2  | 890.9  | 892.5  |
| 42.5° | 9994.3  | 6735.6 | 1941.6 | 1180.6 | 1014.1 | 925.8  | 884.2  | 884.2  | 877.5  | 824.3  | 824.3  |
| 45°   | 10876.8 | 7200.1 | 1974.9 | 1152.3 | 972.5  | 882.5  | 850.9  | 839.2  | 810.9  | 759.3  | 757.6  |
| 47.5° | 11766.0 | 7673.0 | 1999.9 | 1100.7 | 922.5  | 845.9  | 817.6  | 790.9  | 749.3  | 702.7  | 701.0  |
| 50°   | 12610.2 | 8097.7 | 1973.2 | 1024.1 | 865.9  | 810.9  | 781.0  | 744.3  | 699.4  | 667.7  | 662.7  |
| 52.5° | 13364.6 | 8465.7 | 1860.0 | 934.2  | 805.9  | 774.3  | 747.7  | 709.4  | 672.7  | 639.4  | 636.1  |
| 55°   | 14020.6 | 8763.7 | 1660.2 | 849.2  | 752.7  | 742.7  | 716.0  | 667.7  | 617.8  | 589.5  | 586.1  |
| 57.5° | 14650.1 | 8990.2 | 1410.4 | 779.3  | 704.4  | 707.7  | 667.7  | 624.4  | 577.8  | 547.8  | 544.5  |
| 60°   | 15487.6 | 9293.2 | 1157.3 | 714.4  | 652.7  | 662.7  | 619.4  | 587.8  | 529.5  | 491.2  | 486.2  |
| 62.5° | 16826.4 | 9764.5 | 919.2  | 634.4  | 592.8  | 596.1  | 577.8  | 539.5  | 469.6  | 424.6  | 421.3  |
| 65°   | 17888.8 | 9591.3 | 724.3  | 547.8  | 524.5  | 529.5  | 529.5  | 487.9  | 413.0  | 361.3  | 356.3  |
| 67.5° | 17768.9 | 8212.6 | 577.8  | 462.9  | 459.6  | 462.9  | 474.6  | 439.6  | 366.3  | 324.7  | 318.0  |
| 70°   | 16368.5 | 6532.4 | 462.9  | 384.7  | 399.6  | 391.3  | 424.6  | 401.3  | 329.7  | 288.1  | 283.1  |
| 72.5° | 13356.2 | 4705.7 | 353.0  | 318.0  | 306.4  | 319.7  | 383.0  | 361.3  | 274.8  | 228.1  | 223.1  |
| 75°   | 7804.6  | 2511.1 | 263.1  | 251.4  | 221.5  | 266.4  | 339.7  | 308.1  | 209.8  | 168.2  | 163.2  |
| 77.5° | 2541.0  | 875.9  | 193.2  | 184.8  | 164.9  | 214.8  | 289.7  | 259.8  | 171.5  | 133.2  | 128.2  |
| 80°   | 681.0   | 264.8  | 131.5  | 121.6  | 106.6  | 159.9  | 229.8  | 206.5  | 123.2  | 86.6   | 84.9   |
| 82.5° | 273.1   | 111.6  | 76.6   | 68.3   | 58.3   | 109.9  | 181.5  | 166.5  | 91.6   | 55.0   | 55.0   |
| 85°   | 88.3    | 36.6   | 28.3   | 21.6   | 26.6   | 68.3   | 108.2  | 113.2  | 64.9   | 28.3   | 21.6   |
| 87.5° | 11.7    | 5.0    | 5.0    | 6.7    | 5.0    | 11.7   | 33.3   | 31.6   | 18.3   | 3.3    | 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)