

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: P941956

Luminaire Tested: **GALN-SB5D-727-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5D-727-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37393 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
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

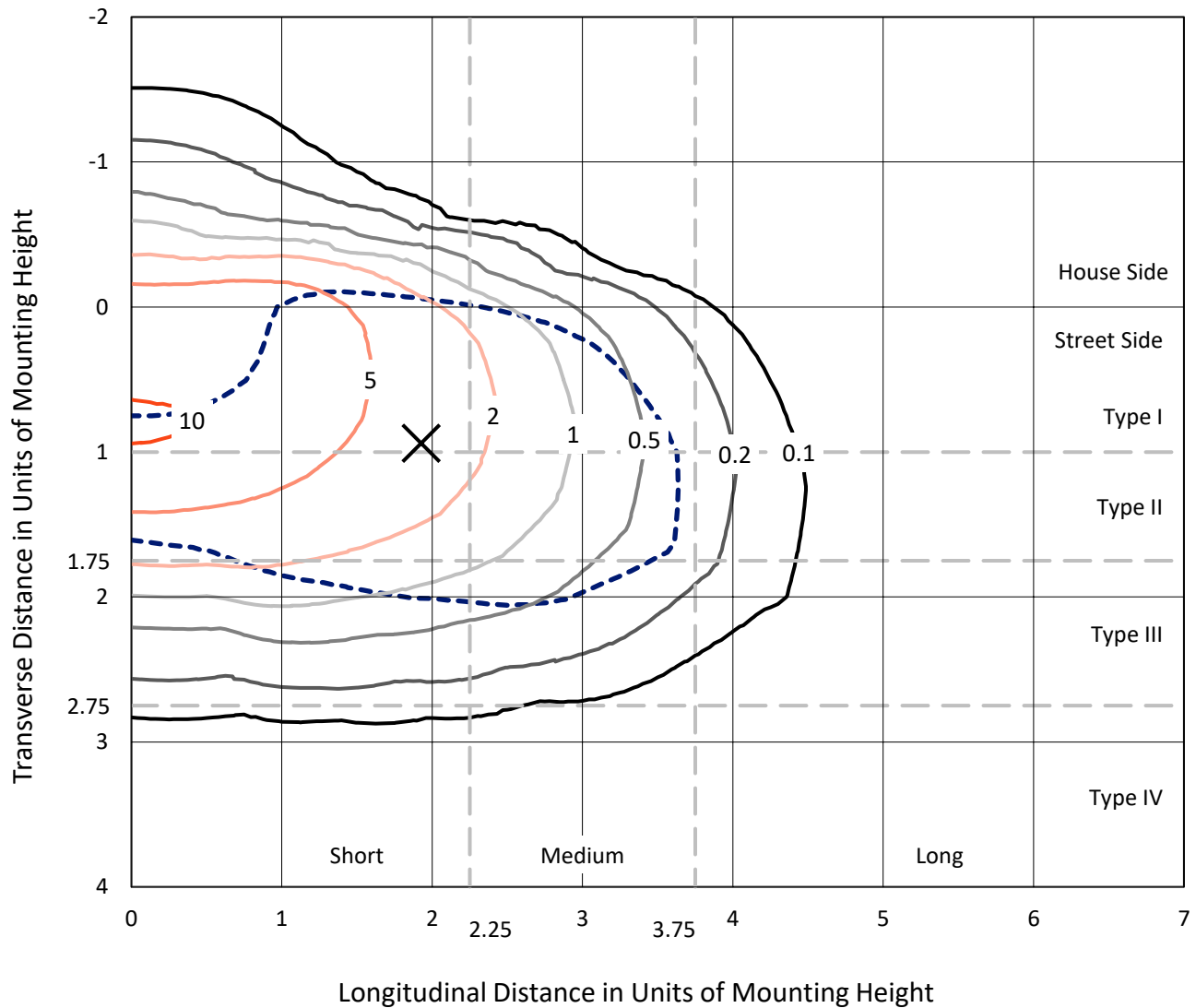


REPORT NUMBER: P941956

CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS

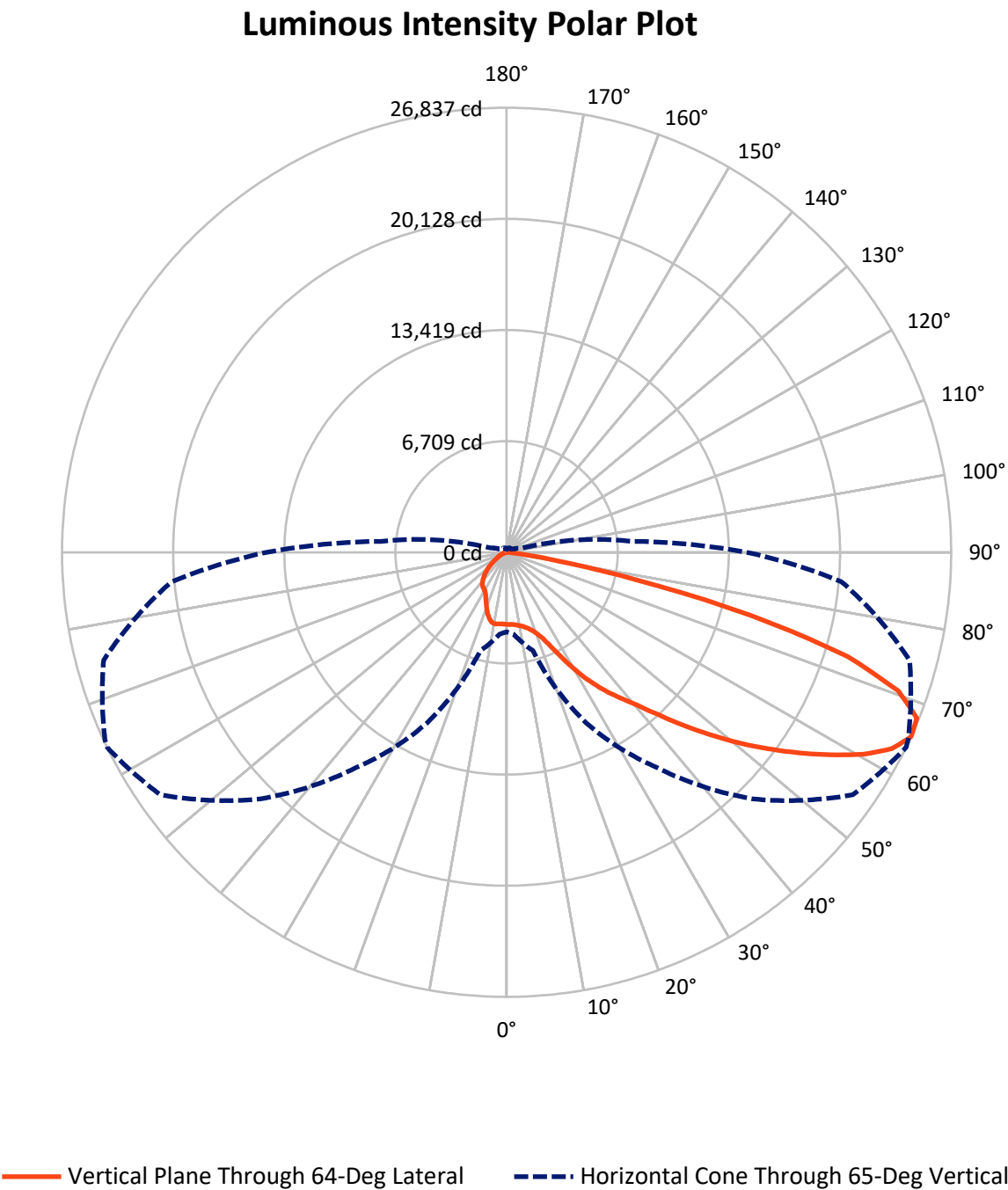
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P941956  
CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS



REPORT NUMBER: P941956

CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5000.6   | 0.0    | 5000.6  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 32392.4  | 0.0    | 32392.4 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 37393.0  | 0.0    | 37393.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 401.3   | 1.1       |
| 10°-20°   | 1088.3  | 2.9       |
| 20°-30°   | 2062.3  | 5.5       |
| 30°-40°   | 4173.1  | 11.2      |
| 40°-50°   | 7108.9  | 19.0      |
| 50°-60°   | 9667.5  | 25.9      |
| 60°-70°   | 9078.3  | 24.3      |
| 70°-80°   | 3637.2  | 9.7       |
| 80°-90°   | 176.2   | 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°    | 37393.0 | 100.0     |
| 0°-180°   | 37393.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941956

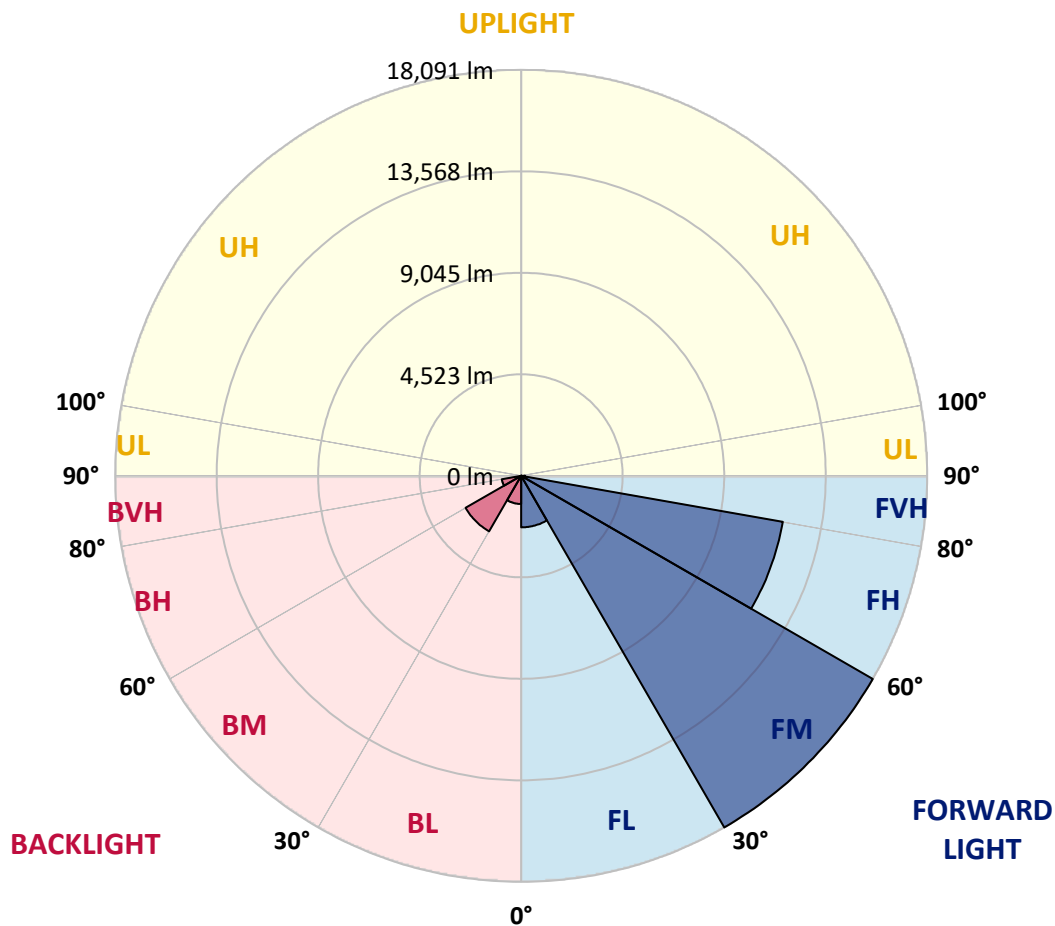
CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2296.4  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 18090.7 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 11837.8 | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 167.6   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1255.5  | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2858.8  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 877.7   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 8.6     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Short



REPORT NUMBER: P941956

CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  | 4349.2  |
| 2.5°  | 4334.2  | 4364.2  | 4356.7  | 4349.2  | 4346.7  | 4351.7  | 4354.2  | 4351.7  | 4351.7  | 4351.7  | 4354.2  |
| 5°    | 4251.4  | 4276.5  | 4276.5  | 4294.0  | 4319.1  | 4349.2  | 4371.8  | 4376.8  | 4381.8  | 4389.3  | 4386.8  |
| 7.5°  | 4093.5  | 4113.6  | 4128.6  | 4186.3  | 4248.9  | 4329.1  | 4396.8  | 4431.9  | 4436.9  | 4464.5  | 4474.5  |
| 10°   | 3985.7  | 4010.8  | 4035.9  | 4096.0  | 4186.3  | 4306.6  | 4421.9  | 4507.1  | 4519.7  | 4584.8  | 4614.9  |
| 12.5° | 3980.7  | 4005.8  | 4038.4  | 4103.5  | 4208.8  | 4336.7  | 4477.0  | 4599.9  | 4622.4  | 4717.7  | 4780.4  |
| 15°   | 4033.3  | 4063.4  | 4093.5  | 4173.7  | 4286.5  | 4441.9  | 4592.3  | 4745.3  | 4767.8  | 4903.2  | 4970.9  |
| 17.5° | 4141.1  | 4181.2  | 4203.8  | 4284.0  | 4404.3  | 4577.3  | 4775.3  | 4950.8  | 4970.9  | 5128.8  | 5214.0  |
| 20°   | 4354.2  | 4401.8  | 4409.4  | 4474.5  | 4592.3  | 4777.8  | 5013.5  | 5231.6  | 5256.6  | 5437.1  | 5532.4  |
| 22.5° | 4795.4  | 4863.1  | 4802.9  | 4835.5  | 4940.8  | 5126.3  | 5382.0  | 5657.7  | 5692.8  | 5898.4  | 5983.6  |
| 25°   | 5572.5  | 5667.7  | 5512.3  | 5457.2  | 5502.3  | 5695.3  | 6016.2  | 6364.6  | 6404.7  | 6570.2  | 6612.8  |
| 27.5° | 7099.1  | 6976.3  | 6740.6  | 6510.0  | 6374.6  | 6484.9  | 6845.9  | 7277.1  | 7327.2  | 7487.6  | 7437.5  |
| 30°   | 8776.1  | 8668.3  | 8350.0  | 7838.6  | 7517.7  | 7500.2  | 7833.6  | 8314.9  | 8372.5  | 8525.4  | 8372.5  |
| 32.5° | 10455.6 | 10352.8 | 10006.9 | 9377.7  | 8821.2  | 8545.5  | 8776.1  | 9310.0  | 9340.1  | 9437.9  | 9212.3  |
| 35°   | 12107.6 | 12002.3 | 11656.3 | 11012.1 | 10327.8 | 9701.1  | 9656.0  | 10257.6 | 10267.6 | 10370.4 | 10034.5 |
| 37.5° | 13769.5 | 13681.8 | 13313.3 | 12681.6 | 12007.3 | 11142.5 | 10723.8 | 11155.0 | 11167.5 | 11267.8 | 10919.4 |
| 40°   | 14955.2 | 14992.8 | 14739.6 | 14250.8 | 13671.8 | 12726.7 | 11922.1 | 12110.1 | 12034.9 | 12202.8 | 11994.8 |
| 42.5° | 15972.9 | 16048.2 | 15827.6 | 15581.9 | 15246.0 | 14413.8 | 13406.0 | 13373.5 | 13253.1 | 13343.4 | 13127.8 |
| 45°   | 16852.8 | 16915.5 | 16717.5 | 16659.8 | 16652.3 | 16068.2 | 15027.9 | 14832.4 | 14664.4 | 14646.9 | 14388.7 |
| 47.5° | 17176.2 | 17296.5 | 17381.7 | 17574.8 | 17950.8 | 17705.1 | 16704.9 | 16401.6 | 16213.6 | 16075.7 | 15667.1 |
| 50°   | 17299.0 | 17426.9 | 17717.6 | 18279.1 | 19169.0 | 19274.3 | 18374.4 | 18033.5 | 17802.9 | 17552.2 | 16950.6 |
| 52.5° | 17133.6 | 17361.7 | 17752.7 | 18697.8 | 19988.7 | 20532.7 | 19976.2 | 19677.9 | 19414.7 | 19006.1 | 18113.7 |
| 55°   | 16158.4 | 16386.6 | 17186.2 | 18692.8 | 20397.3 | 21415.1 | 21490.3 | 21357.4 | 21061.6 | 20417.4 | 19053.7 |
| 57.5° | 14102.9 | 14441.3 | 15707.2 | 18056.0 | 20389.8 | 22174.6 | 22974.3 | 23069.5 | 22738.6 | 21816.2 | 19793.2 |
| 60°   | 11255.3 | 11714.0 | 13258.1 | 16644.8 | 19760.6 | 22585.7 | 24275.3 | 24751.6 | 24400.6 | 23194.9 | 20392.3 |
| 62.5° | 7853.6  | 8385.0  | 9846.5  | 14433.8 | 18321.8 | 22289.9 | 25225.3 | 26105.2 | 25839.5 | 24428.2 | 20623.0 |
| 65°   | 4790.4  | 4960.8  | 6139.0  | 11358.0 | 15875.2 | 21051.6 | 25518.6 | 26837.2 | 26749.4 | 25182.7 | 20282.0 |
| 67.5° | 3191.1  | 3334.0  | 3672.4  | 7788.4  | 12323.1 | 18577.5 | 24816.7 | 26709.3 | 26734.4 | 25059.9 | 19033.7 |
| 70°   | 1922.7  | 2045.5  | 2266.1  | 4529.7  | 7986.5  | 14704.5 | 22643.4 | 25079.9 | 25225.3 | 23418.0 | 16667.3 |
| 72.5° | 792.1   | 874.9   | 1075.4  | 2053.0  | 4136.1  | 9332.6  | 18031.0 | 21532.9 | 21871.3 | 19690.4 | 12791.9 |
| 75°   | 448.7   | 491.3   | 631.7   | 1030.3  | 1794.8  | 4349.2  | 10921.9 | 15286.1 | 15784.9 | 13571.5 | 7695.7  |
| 77.5° | 298.3   | 318.4   | 408.6   | 666.8   | 1010.2  | 1484.0  | 4667.6  | 7963.9  | 8916.5  | 7412.4  | 3331.5  |
| 80°   | 200.5   | 218.1   | 280.8   | 446.2   | 656.8   | 636.7   | 1486.5  | 2950.4  | 3629.8  | 2546.8  | 812.2   |
| 82.5° | 135.4   | 137.9   | 200.5   | 293.3   | 416.1   | 308.3   | 438.7   | 917.5   | 1153.1  | 737.0   | 308.3   |
| 85°   | 77.7    | 75.2    | 147.9   | 170.5   | 185.5   | 127.8   | 132.9   | 275.7   | 361.0   | 310.8   | 175.5   |
| 87.5° | 10.0    | 15.0    | 57.7    | 45.1    | 25.1    | 27.6    | 27.6    | 47.6    | 70.2    | 75.2    | 37.6    |
| 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: P941956

CATALOG NUMBER: GALN-SB5D-727-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4349.2  | 4349.2  | 4349.2 | 4349.2 | 4349.2 | 4349.2 | 4349.2 | 4349.2 | 4349.2 | 4349.2 | 4349.2 |
| 2.5°  | 4354.2  | 4351.7  | 4344.2 | 4336.7 | 4319.1 | 4309.1 | 4314.1 | 4309.1 | 4306.6 | 4309.1 | 4319.1 |
| 5°    | 4386.8  | 4379.3  | 4359.2 | 4334.2 | 4299.1 | 4256.4 | 4228.9 | 4188.8 | 4151.2 | 4128.6 | 4133.6 |
| 7.5°  | 4474.5  | 4467.0  | 4439.4 | 4369.2 | 4256.4 | 4078.5 | 3915.5 | 3772.6 | 3664.9 | 3602.2 | 3604.7 |
| 10°   | 4614.9  | 4602.4  | 4559.8 | 4404.3 | 4108.5 | 3720.0 | 3396.6 | 3128.4 | 2952.9 | 2870.2 | 2862.7 |
| 12.5° | 4780.4  | 4765.3  | 4690.1 | 4371.8 | 3827.8 | 3221.2 | 2775.0 | 2476.7 | 2313.7 | 2241.0 | 2233.5 |
| 15°   | 4975.9  | 4955.8  | 4807.9 | 4216.3 | 3419.2 | 2669.7 | 2261.1 | 2038.0 | 1932.7 | 1867.5 | 1870.0 |
| 17.5° | 5219.0  | 5183.9  | 4895.7 | 3983.2 | 2975.5 | 2248.5 | 1945.2 | 1777.3 | 1684.5 | 1621.9 | 1616.8 |
| 20°   | 5534.9  | 5477.2  | 4965.9 | 3705.0 | 2566.9 | 1982.8 | 1732.2 | 1591.8 | 1521.6 | 1466.4 | 1456.4 |
| 22.5° | 5976.1  | 5893.3  | 5051.1 | 3404.2 | 2278.6 | 1799.8 | 1574.2 | 1471.5 | 1413.8 | 1351.1 | 1341.1 |
| 25°   | 6522.5  | 6424.8  | 5156.4 | 3125.9 | 2080.6 | 1641.9 | 1458.9 | 1373.7 | 1306.0 | 1233.3 | 1225.8 |
| 27.5° | 7287.1  | 7111.6  | 5281.7 | 2897.8 | 1910.1 | 1506.6 | 1353.6 | 1258.4 | 1180.7 | 1120.5 | 1108.0 |
| 30°   | 8139.4  | 7851.1  | 5392.0 | 2759.9 | 1754.7 | 1381.2 | 1215.8 | 1120.5 | 1047.8 | 1005.2 | 997.7  |
| 32.5° | 8946.6  | 8555.5  | 5464.7 | 2699.8 | 1614.3 | 1238.3 | 1065.4 | 962.6  | 907.4  | 894.9  | 902.4  |
| 35°   | 9708.6  | 9192.2  | 5457.2 | 2642.1 | 1489.0 | 1095.4 | 917.5  | 812.2  | 769.6  | 777.1  | 777.1  |
| 37.5° | 10586.0 | 9871.5  | 5404.5 | 2551.9 | 1386.2 | 965.1  | 789.6  | 696.9  | 659.3  | 661.8  | 671.8  |
| 40°   | 11606.2 | 10656.2 | 5371.9 | 2381.4 | 1273.4 | 844.8  | 684.3  | 609.1  | 581.6  | 571.5  | 569.0  |
| 42.5° | 12694.1 | 11415.7 | 5377.0 | 2188.4 | 1133.0 | 737.0  | 611.6  | 549.0  | 523.9  | 516.4  | 513.9  |
| 45°   | 13787.1 | 12140.1 | 5384.5 | 1987.8 | 985.1  | 654.3  | 559.0  | 506.4  | 491.3  | 481.3  | 481.3  |
| 47.5° | 14814.8 | 12756.8 | 5244.1 | 1772.3 | 839.8  | 591.6  | 516.4  | 481.3  | 468.8  | 456.2  | 456.2  |
| 50°   | 15772.4 | 13167.9 | 4905.7 | 1521.6 | 724.4  | 541.5  | 483.8  | 458.7  | 446.2  | 433.7  | 433.7  |
| 52.5° | 16516.9 | 13233.1 | 4346.7 | 1263.4 | 644.2  | 503.9  | 463.7  | 441.2  | 426.1  | 413.6  | 411.1  |
| 55°   | 16847.8 | 12824.5 | 3552.1 | 1022.7 | 581.6  | 471.3  | 443.7  | 421.1  | 403.6  | 391.1  | 388.5  |
| 57.5° | 16762.6 | 11964.7 | 2769.9 | 822.2  | 521.4  | 438.7  | 418.6  | 403.6  | 383.5  | 363.5  | 361.0  |
| 60°   | 16343.9 | 10814.1 | 2088.1 | 684.3  | 466.3  | 403.6  | 391.1  | 378.5  | 350.9  | 320.9  | 315.8  |
| 62.5° | 15619.5 | 9367.7  | 1489.0 | 566.5  | 406.1  | 363.5  | 358.5  | 348.4  | 308.3  | 253.2  | 248.2  |
| 65°   | 14511.5 | 7610.5  | 1002.7 | 471.3  | 348.4  | 318.4  | 320.9  | 303.3  | 250.7  | 188.0  | 183.0  |
| 67.5° | 12892.2 | 5565.0  | 641.7  | 386.0  | 290.8  | 265.7  | 268.2  | 258.2  | 213.1  | 160.4  | 152.9  |
| 70°   | 10829.1 | 3684.9  | 418.6  | 293.3  | 233.1  | 205.6  | 220.6  | 223.1  | 180.5  | 130.4  | 125.3  |
| 72.5° | 7938.8  | 2175.9  | 293.3  | 218.1  | 170.5  | 142.9  | 180.5  | 185.5  | 145.4  | 97.8   | 92.7   |
| 75°   | 4524.7  | 1032.8  | 220.6  | 157.9  | 105.3  | 100.3  | 140.4  | 140.4  | 100.3  | 65.2   | 60.2   |
| 77.5° | 1900.1  | 431.2   | 155.4  | 102.8  | 60.2   | 57.7   | 95.3   | 87.7   | 50.1   | 30.1   | 30.1   |
| 80°   | 549.0   | 193.0   | 82.7   | 50.1   | 25.1   | 22.6   | 37.6   | 27.6   | 12.5   | 5.0    | 5.0    |
| 82.5° | 215.6   | 85.2    | 32.6   | 20.1   | 10.0   | 10.0   | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 127.8   | 35.1    | 15.0   | 7.5    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 32.6    | 7.5     | 5.0    | 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)