

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: P530032

Luminaire Tested: **GALN-SA5B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530032  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17748 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

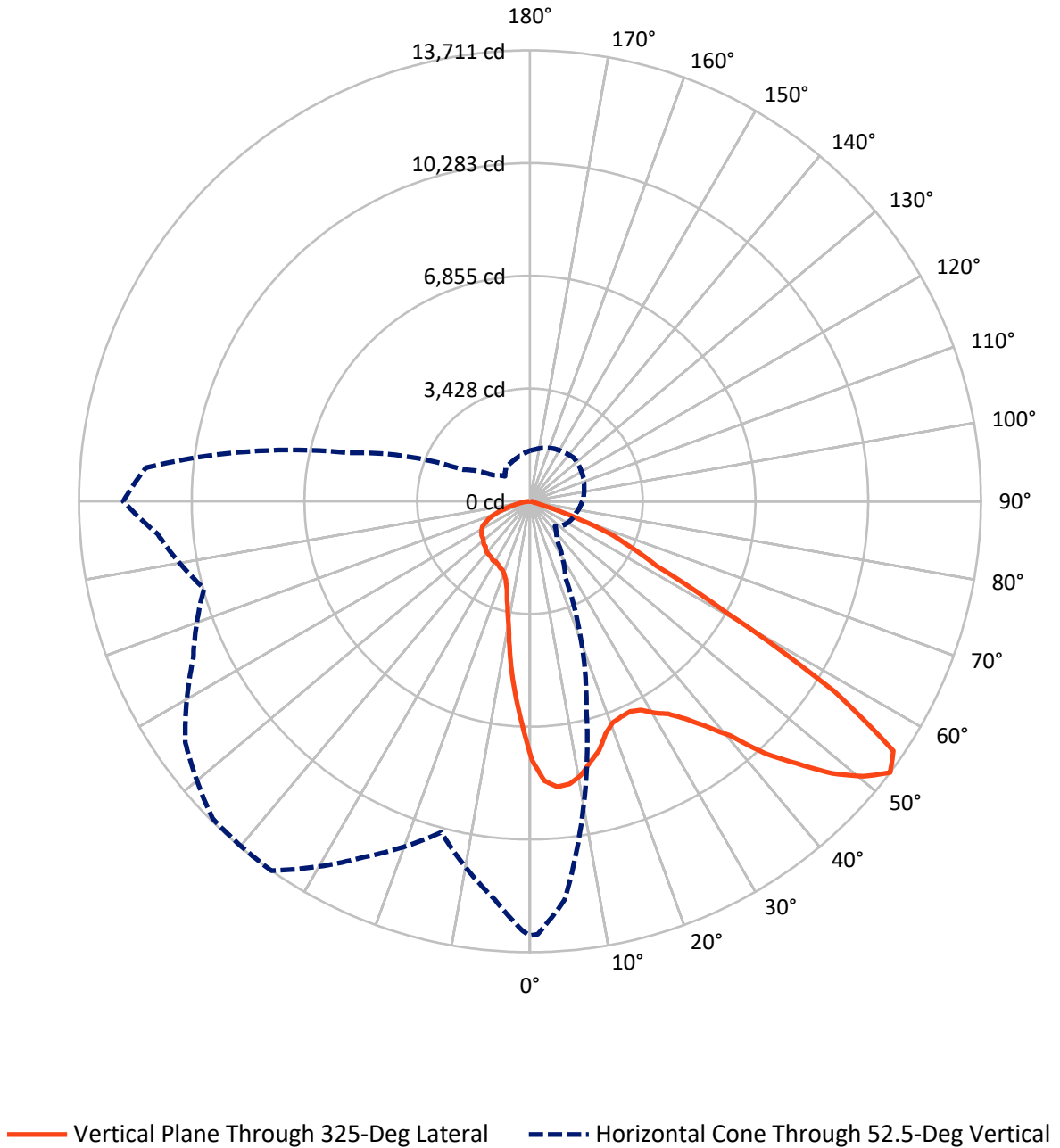
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT





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CATALOG NUMBER: GALN-SA5B-727-U-SLR-GRSWH

### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5350.3   | 0.0    | 5350.3  |
|                    | % Fixture | 30.1     | 0.0    | 30.1    |
| <b>Street Side</b> | Lumens    | 12397.7  | 0.0    | 12397.7 |
|                    | % Fixture | 69.9     | 0.0    | 69.9    |
| <b>Total</b>       | Lumens    | 17748.0  | 0.0    | 17748.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 600.9   | 3.4       |
| 10°-20°   | 1302.7  | 7.3       |
| 20°-30°   | 1968.3  | 11.1      |
| 30°-40°   | 2844.3  | 16.0      |
| 40°-50°   | 3785.2  | 21.3      |
| 50°-60°   | 4233.8  | 23.9      |
| 60°-70°   | 2386.2  | 13.4      |
| 70°-80°   | 531.9   | 3.0       |
| 80°-90°   | 94.7    | 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°    | 17748.0 | 100.0     |
| 0°-180°   | 17748.0 | 100.0     |

**Coefficient of Utilization**



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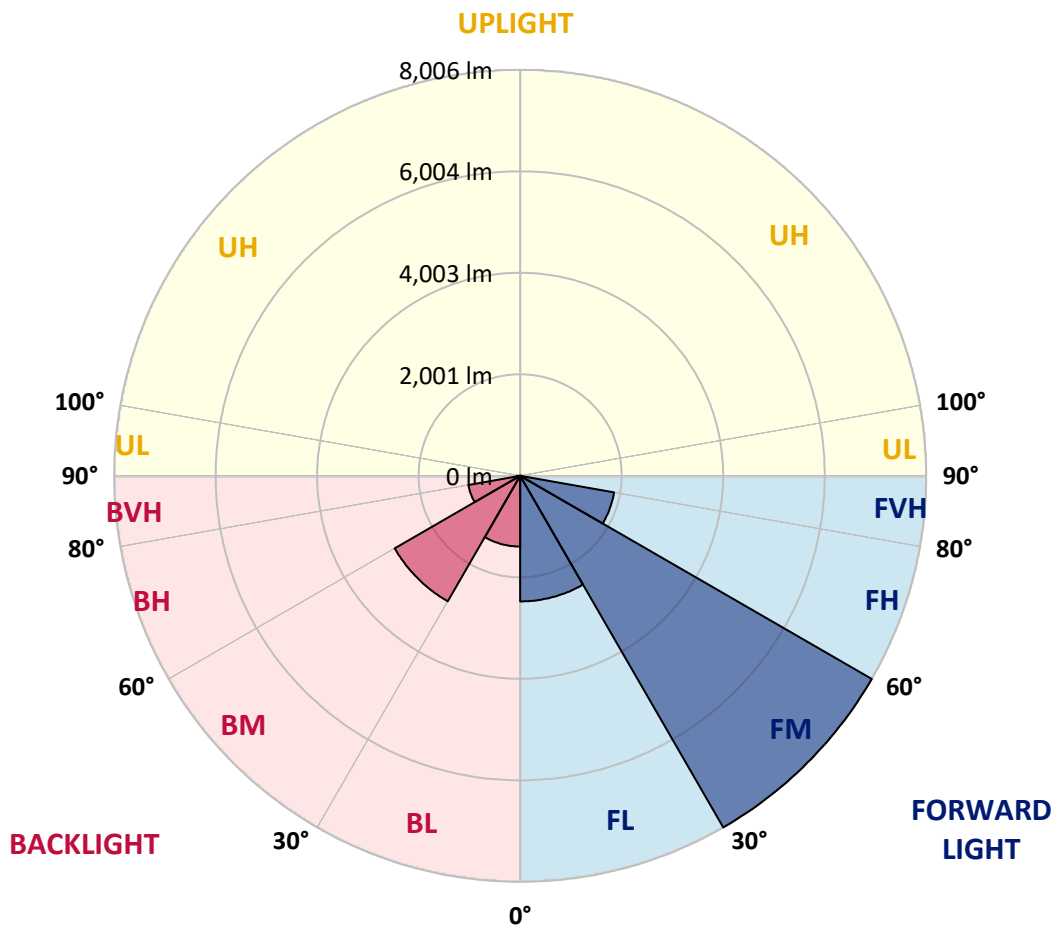
CATALOG NUMBER: GALN-SA5B-727-U-SLR-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2476.7 | 14.0      |                         |      |         |
| FM (30°-60°)   | 8005.7 | 45.1      |                         |      |         |
| FH (60°-80°)   | 1881.0 | 10.6      |                         |      | G2/5000 |
| FVH (80°-90°)  | 34.3   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1395.2 | 7.9       | B3/2500                 |      |         |
| BM (30°-60°)   | 2857.6 | 16.1      | B3/5000                 |      |         |
| BH (60°-80°)   | 1037.1 | 5.8       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 60.4   | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7876.7  | 7876.7  | 7876.7  | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 |
| 2.5°  | 8007.9  | 8136.5  | 7997.6  | 7750.6 | 7575.7 | 7416.2 | 7249.0 | 7215.6 | 6996.9 | 6958.3 | 6798.8 |
| 5°    | 7552.5  | 7524.3  | 7354.5  | 7030.4 | 6672.8 | 6348.7 | 6109.4 | 5877.9 | 5721.0 | 5538.4 | 5525.5 |
| 7.5°  | 6999.5  | 6834.9  | 6737.1  | 6245.8 | 5803.3 | 5294.0 | 5075.3 | 4722.9 | 4612.3 | 4447.7 | 4362.8 |
| 10°   | 6505.6  | 6384.7  | 6155.7  | 5664.4 | 5047.0 | 4710.1 | 4476.0 | 4285.6 | 4157.0 | 3987.2 | 3773.7 |
| 12.5° | 6261.2  | 6212.3  | 5955.1  | 5193.7 | 4735.8 | 4375.6 | 4211.0 | 4025.8 | 3807.1 | 3534.5 | 3429.0 |
| 15°   | 6304.9  | 6140.3  | 5944.8  | 5103.6 | 4470.8 | 4123.5 | 3861.2 | 3629.6 | 3349.3 | 3089.4 | 2937.7 |
| 17.5° | 6631.6  | 6505.6  | 6114.6  | 5160.2 | 4370.5 | 3868.9 | 3393.0 | 3050.9 | 2798.8 | 2564.7 | 2459.2 |
| 20°   | 7274.7  | 7092.1  | 6652.2  | 5232.3 | 4154.4 | 3513.9 | 2968.5 | 2546.7 | 2276.6 | 2153.1 | 2117.1 |
| 22.5° | 7987.3  | 7879.2  | 7177.0  | 5394.3 | 3982.1 | 3184.6 | 2518.4 | 2096.5 | 1996.2 | 1962.7 | 2029.6 |
| 25°   | 8854.2  | 8573.8  | 7992.4  | 5659.3 | 3848.3 | 2904.2 | 2137.7 | 1903.6 | 1852.1 | 1885.6 | 1962.7 |
| 27.5° | 9512.7  | 9438.1  | 8563.5  | 5908.8 | 3665.7 | 2567.2 | 1924.2 | 1769.8 | 1785.2 | 1818.7 | 1890.7 |
| 30°   | 10294.7 | 9916.6  | 9116.6  | 6081.1 | 3501.0 | 2335.7 | 1775.0 | 1733.8 | 1749.2 | 1805.8 | 1841.8 |
| 32.5° | 10765.5 | 10624.0 | 9463.8  | 6341.0 | 3310.7 | 2135.1 | 1659.2 | 1620.6 | 1643.8 | 1728.6 | 1813.5 |
| 35°   | 11364.8 | 11084.4 | 9893.4  | 6407.8 | 3176.9 | 2055.3 | 1576.9 | 1548.6 | 1602.6 | 1661.8 | 1756.9 |
| 37.5° | 12064.5 | 11871.6 | 10487.7 | 6361.5 | 3104.9 | 1973.0 | 1507.4 | 1494.6 | 1533.1 | 1615.5 | 1726.1 |
| 40°   | 12478.7 | 12419.5 | 10798.9 | 6389.8 | 2991.7 | 1901.0 | 1427.7 | 1443.1 | 1522.9 | 1587.2 | 1695.2 |
| 42.5° | 12877.4 | 12491.5 | 11259.4 | 6379.5 | 2919.7 | 1803.2 | 1435.4 | 1417.4 | 1479.1 | 1553.7 | 1656.6 |
| 45°   | 12964.9 | 12581.6 | 11367.4 | 6307.5 | 2832.2 | 1708.1 | 1376.2 | 1383.9 | 1458.5 | 1551.2 | 1618.0 |
| 47.5° | 12908.3 | 12625.3 | 11568.1 | 6286.9 | 2749.9 | 1641.2 | 1288.8 | 1381.4 | 1425.1 | 1499.7 | 1594.9 |
| 50°   | 12869.7 | 12854.3 | 11737.8 | 6384.7 | 2639.3 | 1535.7 | 1183.3 | 1347.9 | 1391.7 | 1466.3 | 1569.2 |
| 52.5° | 13209.2 | 13175.8 | 12162.3 | 6641.9 | 2551.8 | 1422.5 | 1075.3 | 1263.0 | 1368.5 | 1440.5 | 1540.9 |
| 55°   | 13415.0 | 13268.4 | 12890.3 | 6958.3 | 2405.2 | 1273.3 | 1000.7 | 1157.6 | 1311.9 | 1376.2 | 1479.1 |
| 57.5° | 12067.1 | 11966.8 | 11660.7 | 6495.3 | 2158.2 | 1077.8 | 908.1  | 1049.5 | 1234.7 | 1335.1 | 1440.5 |
| 60°   | 10040.1 | 9883.1  | 9098.6  | 5520.4 | 1592.3 | 838.6  | 851.5  | 964.6  | 1214.2 | 1252.8 | 1376.2 |
| 62.5° | 9466.4  | 9078.0  | 8010.4  | 4442.5 | 1221.9 | 720.3  | 764.0  | 887.5  | 1106.1 | 1170.4 | 1293.9 |
| 65°   | 7511.4  | 7223.3  | 5731.3  | 3207.8 | 818.0  | 625.1  | 697.1  | 800.0  | 954.4  | 1080.4 | 1193.6 |
| 67.5° | 4702.3  | 4427.1  | 3058.6  | 1517.7 | 571.1  | 535.1  | 622.5  | 730.6  | 856.6  | 969.8  | 1095.8 |
| 70°   | 2456.6  | 2155.7  | 1412.2  | 547.9  | 393.6  | 437.3  | 519.6  | 622.5  | 746.0  | 838.6  | 936.4  |
| 72.5° | 915.8   | 743.4   | 460.5   | 236.7  | 272.7  | 334.4  | 421.9  | 496.5  | 583.9  | 697.1  | 751.1  |
| 75°   | 141.5   | 120.9   | 118.3   | 144.1  | 185.2  | 241.8  | 301.0  | 375.6  | 452.7  | 524.8  | 560.8  |
| 77.5° | 66.9    | 64.3    | 72.0    | 95.2   | 123.5  | 172.4  | 218.7  | 290.7  | 352.4  | 398.7  | 419.3  |
| 80°   | 43.7    | 41.2    | 46.3    | 64.3   | 92.6   | 128.6  | 174.9  | 223.8  | 280.4  | 319.0  | 313.8  |
| 82.5° | 25.7    | 28.3    | 28.3    | 43.7   | 64.3   | 92.6   | 126.0  | 169.8  | 208.4  | 241.8  | 221.2  |
| 85°   | 15.4    | 12.9    | 12.9    | 25.7   | 43.7   | 74.6   | 105.5  | 72.0   | 74.6   | 74.6   | 84.9   |
| 87.5° | 5.1     | 5.1     | 5.1     | 2.6    | 5.1    | 5.1    | 7.7    | 12.9   | 15.4   | 18.0   | 23.2   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 |
| 2.5°  | 6793.7 | 6873.4 | 6845.1 | 6744.8 | 6822.0 | 6834.9 | 6783.4 | 6960.9 | 6994.3 | 6940.3 | 6955.8 |
| 5°    | 5507.5 | 5528.1 | 5574.4 | 5672.1 | 5741.6 | 5823.9 | 5823.9 | 5829.0 | 5759.6 | 5934.5 | 5883.1 |
| 7.5°  | 4290.8 | 4303.6 | 4357.6 | 4566.0 | 4625.2 | 4782.1 | 4849.0 | 4802.7 | 4663.8 | 4604.6 | 4653.5 |
| 10°   | 3704.2 | 3629.6 | 3611.6 | 3637.4 | 3771.1 | 3838.0 | 3894.6 | 3879.2 | 3856.0 | 3809.7 | 3758.3 |
| 12.5° | 3313.2 | 3259.2 | 3215.5 | 3153.8 | 3161.5 | 3225.8 | 3269.5 | 3233.5 | 3243.8 | 3254.1 | 3269.5 |
| 15°   | 2888.8 | 2850.2 | 2827.1 | 2734.5 | 2724.2 | 2767.9 | 2783.3 | 2803.9 | 2842.5 | 2845.1 | 2827.1 |
| 17.5° | 2438.6 | 2405.2 | 2456.6 | 2508.1 | 2472.1 | 2474.6 | 2502.9 | 2520.9 | 2510.7 | 2464.4 | 2441.2 |
| 20°   | 2129.9 | 2166.0 | 2217.4 | 2266.3 | 2304.9 | 2328.0 | 2338.3 | 2310.0 | 2276.6 | 2181.4 | 2178.8 |
| 22.5° | 2039.9 | 2086.2 | 2129.9 | 2204.5 | 2240.6 | 2299.7 | 2245.7 | 2181.4 | 2135.1 | 2088.8 | 2034.8 |
| 25°   | 1973.0 | 2011.6 | 2099.1 | 2127.4 | 2196.8 | 2245.7 | 2207.1 | 2142.8 | 2063.1 | 1996.2 | 1955.0 |
| 27.5° | 1924.2 | 1967.9 | 2024.5 | 2101.6 | 2155.7 | 2184.0 | 2145.4 | 2119.7 | 2037.3 | 1957.6 | 1898.4 |
| 30°   | 1893.3 | 1939.6 | 2042.5 | 2106.8 | 2153.1 | 2176.2 | 2109.4 | 2078.5 | 2019.3 | 1952.4 | 1901.0 |
| 32.5° | 1872.7 | 1913.9 | 2001.3 | 2083.6 | 2114.5 | 2114.5 | 2124.8 | 2088.8 | 2006.5 | 1893.3 | 1849.6 |
| 35°   | 1805.8 | 1862.4 | 1934.4 | 2029.6 | 2086.2 | 2119.7 | 2068.2 | 2027.0 | 1973.0 | 1857.3 | 1777.5 |
| 37.5° | 1767.2 | 1805.8 | 1898.4 | 1988.5 | 2037.3 | 2073.3 | 2052.8 | 1980.7 | 1908.7 | 1813.5 | 1749.2 |
| 40°   | 1726.1 | 1787.8 | 1870.1 | 1955.0 | 2009.0 | 2045.1 | 2029.6 | 1944.7 | 1857.3 | 1767.2 | 1723.5 |
| 42.5° | 1697.8 | 1738.9 | 1823.8 | 1919.0 | 1983.3 | 2052.8 | 2006.5 | 1901.0 | 1839.3 | 1715.8 | 1666.9 |
| 45°   | 1674.6 | 1741.5 | 1831.5 | 1870.1 | 1937.0 | 2009.0 | 1926.7 | 1862.4 | 1790.4 | 1700.4 | 1659.2 |
| 47.5° | 1646.3 | 1708.1 | 1767.2 | 1870.1 | 1901.0 | 1934.4 | 1919.0 | 1816.1 | 1754.4 | 1656.6 | 1628.3 |
| 50°   | 1636.0 | 1659.2 | 1767.2 | 1823.8 | 1867.6 | 1901.0 | 1859.8 | 1782.7 | 1723.5 | 1623.2 | 1561.4 |
| 52.5° | 1594.9 | 1638.6 | 1708.1 | 1782.7 | 1836.7 | 1877.8 | 1811.0 | 1762.1 | 1682.3 | 1576.9 | 1538.3 |
| 55°   | 1543.4 | 1569.2 | 1692.6 | 1769.8 | 1798.1 | 1826.4 | 1800.7 | 1720.9 | 1638.6 | 1530.6 | 1492.0 |
| 57.5° | 1476.6 | 1535.7 | 1636.0 | 1744.1 | 1780.1 | 1795.5 | 1754.4 | 1690.1 | 1587.2 | 1492.0 | 1430.3 |
| 60°   | 1407.1 | 1468.8 | 1579.5 | 1666.9 | 1702.9 | 1759.5 | 1697.8 | 1659.2 | 1540.9 | 1435.4 | 1368.5 |
| 62.5° | 1337.6 | 1407.1 | 1489.4 | 1600.0 | 1630.9 | 1654.0 | 1638.6 | 1584.6 | 1489.4 | 1371.1 | 1288.8 |
| 65°   | 1255.3 | 1306.8 | 1409.7 | 1466.3 | 1486.8 | 1540.9 | 1486.8 | 1466.3 | 1381.4 | 1268.2 | 1198.7 |
| 67.5° | 1131.9 | 1175.6 | 1265.6 | 1319.6 | 1335.1 | 1358.2 | 1355.7 | 1332.5 | 1237.3 | 1160.1 | 1098.4 |
| 70°   | 990.4  | 1029.0 | 1085.6 | 1149.9 | 1157.6 | 1185.9 | 1160.1 | 1155.0 | 1093.3 | 987.8  | 954.4  |
| 72.5° | 794.9  | 830.9  | 905.5  | 933.8  | 936.4  | 946.6  | 933.8  | 915.8  | 900.3  | 789.7  | 756.3  |
| 75°   | 609.7  | 630.2  | 666.3  | 692.0  | 692.0  | 704.8  | 697.1  | 679.1  | 638.0  | 568.5  | 535.1  |
| 77.5° | 424.4  | 445.0  | 491.3  | 506.8  | 504.2  | 509.3  | 486.2  | 468.2  | 406.4  | 370.4  | 342.1  |
| 80°   | 308.7  | 321.5  | 344.7  | 355.0  | 357.6  | 365.3  | 337.0  | 321.5  | 285.5  | 244.4  | 231.5  |
| 82.5° | 223.8  | 231.5  | 234.1  | 246.9  | 246.9  | 234.1  | 226.4  | 210.9  | 185.2  | 159.5  | 149.2  |
| 85°   | 92.6   | 95.2   | 97.8   | 113.2  | 115.8  | 138.9  | 128.6  | 120.9  | 105.5  | 90.0   | 82.3   |
| 87.5° | 23.2   | 25.7   | 33.4   | 28.3   | 33.4   | 33.4   | 36.0   | 41.2   | 41.2   | 33.4   | 33.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7 | 7876.7  | 7876.7  | 7876.7  |
| 2.5°  | 7014.9 | 7035.5 | 7297.9 | 7331.3 | 7459.9 | 7591.1 | 7856.1 | 8046.4 | 8200.8  | 8301.1  | 8329.4  |
| 5°    | 5937.1 | 6068.3 | 6189.2 | 6384.7 | 6562.2 | 6814.3 | 7105.0 | 7465.1 | 7917.8  | 8149.3  | 8242.0  |
| 7.5°  | 4648.3 | 4802.7 | 4977.6 | 5167.9 | 5427.8 | 5880.5 | 6268.9 | 6685.7 | 7264.4  | 7503.7  | 7866.4  |
| 10°   | 3794.3 | 3966.6 | 4198.1 | 4344.8 | 4658.6 | 5090.8 | 5543.5 | 6024.5 | 6577.6  | 6922.3  | 7341.6  |
| 12.5° | 3354.4 | 3495.9 | 3709.4 | 4018.1 | 4252.2 | 4532.6 | 4869.5 | 5476.6 | 6268.9  | 6595.6  | 6883.7  |
| 15°   | 2868.2 | 3025.1 | 3272.1 | 3614.2 | 3894.6 | 4229.0 | 4607.2 | 5268.3 | 6112.0  | 6616.2  | 6860.6  |
| 17.5° | 2466.9 | 2580.1 | 2839.9 | 3135.7 | 3457.3 | 3822.6 | 4365.4 | 5258.0 | 6276.6  | 6922.3  | 7321.0  |
| 20°   | 2189.1 | 2204.5 | 2346.0 | 2598.1 | 3035.4 | 3511.3 | 4216.2 | 5206.5 | 6804.0  | 7449.7  | 7953.8  |
| 22.5° | 2014.2 | 1998.8 | 2001.3 | 2214.8 | 2520.9 | 3205.2 | 3982.1 | 5381.4 | 7403.4  | 8288.3  | 8627.8  |
| 25°   | 1926.7 | 1885.6 | 1859.8 | 1906.1 | 2184.0 | 2842.5 | 3804.6 | 5613.0 | 8049.0  | 8980.2  | 9397.0  |
| 27.5° | 1880.4 | 1808.4 | 1756.9 | 1764.7 | 1967.9 | 2659.9 | 3694.0 | 5713.3 | 8689.5  | 9944.9  | 10091.5 |
| 30°   | 1862.4 | 1772.4 | 1697.8 | 1672.1 | 1805.8 | 2405.2 | 3457.3 | 5885.6 | 9263.2  | 10474.8 | 10600.8 |
| 32.5° | 1798.1 | 1687.5 | 1615.5 | 1592.3 | 1646.3 | 2181.4 | 3287.5 | 6009.1 | 9770.0  | 11051.0 | 11007.3 |
| 35°   | 1723.5 | 1630.9 | 1540.9 | 1497.1 | 1535.7 | 2037.3 | 3151.2 | 5949.9 | 10366.7 | 11498.6 | 11475.5 |
| 37.5° | 1715.8 | 1594.9 | 1520.3 | 1448.3 | 1445.7 | 1859.8 | 2966.0 | 6006.5 | 10747.5 | 12301.2 | 11984.8 |
| 40°   | 1648.9 | 1571.7 | 1474.0 | 1414.8 | 1381.4 | 1769.8 | 2785.9 | 5872.8 | 11305.7 | 12625.3 | 12314.1 |
| 42.5° | 1651.5 | 1535.7 | 1450.8 | 1381.4 | 1347.9 | 1638.6 | 2662.4 | 5836.8 | 11501.2 | 13152.7 | 12468.4 |
| 45°   | 1610.3 | 1497.1 | 1425.1 | 1342.8 | 1324.8 | 1538.3 | 2544.1 | 5669.6 | 11845.9 | 13178.4 | 12275.5 |
| 47.5° | 1569.2 | 1468.8 | 1391.7 | 1293.9 | 1252.8 | 1502.3 | 2451.5 | 5530.6 | 11665.8 | 12936.6 | 12007.9 |
| 50°   | 1540.9 | 1425.1 | 1353.1 | 1283.6 | 1167.9 | 1440.5 | 2330.6 | 5497.2 | 11413.7 | 12609.9 | 11511.5 |
| 52.5° | 1492.0 | 1389.1 | 1314.5 | 1260.5 | 1075.3 | 1383.9 | 2284.3 | 5692.7 | 11722.4 | 12365.5 | 11367.4 |
| 55°   | 1445.7 | 1340.2 | 1245.0 | 1139.6 | 998.1  | 1234.7 | 2155.7 | 5875.3 | 12172.6 | 12928.9 | 12020.8 |
| 57.5° | 1396.8 | 1296.5 | 1193.6 | 1067.5 | 923.5  | 1080.4 | 2021.9 | 5908.8 | 11328.8 | 11948.8 | 11411.1 |
| 60°   | 1332.5 | 1203.9 | 1126.7 | 962.1  | 843.7  | 895.2  | 1602.6 | 5209.1 | 8787.3  | 9978.3  | 9996.3  |
| 62.5° | 1260.5 | 1121.6 | 1054.7 | 861.8  | 761.4  | 771.7  | 1306.8 | 4378.2 | 7128.1  | 8260.0  | 8751.3  |
| 65°   | 1165.3 | 1031.5 | 951.8  | 797.4  | 702.3  | 668.8  | 956.9  | 3207.8 | 5414.9  | 6701.1  | 7259.3  |
| 67.5° | 1041.8 | 915.8  | 815.4  | 694.5  | 627.7  | 573.6  | 653.4  | 1805.8 | 3197.5  | 4499.1  | 4668.9  |
| 70°   | 910.6  | 802.6  | 697.1  | 596.8  | 522.2  | 483.6  | 478.5  | 800.0  | 1528.0  | 2420.6  | 2755.0  |
| 72.5° | 717.7  | 640.5  | 555.6  | 481.0  | 432.2  | 375.6  | 342.1  | 331.8  | 517.1   | 985.2   | 1360.8  |
| 75°   | 514.5  | 450.2  | 401.3  | 352.4  | 316.4  | 285.5  | 259.8  | 236.7  | 216.1   | 246.9   | 339.6   |
| 77.5° | 324.1  | 301.0  | 262.4  | 249.5  | 228.9  | 221.2  | 210.9  | 198.1  | 182.6   | 172.4   | 172.4   |
| 80°   | 218.7  | 203.2  | 190.4  | 187.8  | 180.1  | 177.5  | 180.1  | 167.2  | 151.8   | 138.9   | 144.1   |
| 82.5° | 146.6  | 144.1  | 141.5  | 138.9  | 141.5  | 144.1  | 149.2  | 146.6  | 133.8   | 126.0   | 128.6   |
| 85°   | 87.5   | 92.6   | 97.8   | 102.9  | 113.2  | 100.3  | 82.3   | 69.5   | 61.7    | 56.6    | 54.0    |
| 87.5° | 33.4   | 46.3   | 41.2   | 38.6   | 41.2   | 38.6   | 36.0   | 33.4   | 28.3    | 25.7    | 25.7    |
| 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: P530032

CATALOG NUMBER: GALN-SA5B-727-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  | 7876.7  |
| 2.5°  | 8517.2  | 8568.6  | 8612.4  | 8602.1  | 8512.1  | 8391.2  | 8342.3  | 8092.8  | 8041.3  | 8007.9  |
| 5°    | 8633.0  | 8931.4  | 8995.7  | 8957.1  | 8723.0  | 8427.2  | 8139.1  | 7773.8  | 7560.3  | 7552.5  |
| 7.5°  | 8419.4  | 8787.3  | 8903.1  | 8990.5  | 8679.3  | 8164.8  | 7670.9  | 7123.0  | 6989.2  | 6999.5  |
| 10°   | 7876.7  | 8463.2  | 8748.7  | 8838.7  | 8481.2  | 8036.2  | 7351.9  | 6796.3  | 6510.7  | 6505.6  |
| 12.5° | 7575.7  | 8036.2  | 8115.9  | 8242.0  | 8136.5  | 7686.3  | 7166.7  | 6544.2  | 6266.4  | 6261.2  |
| 15°   | 7308.2  | 7611.7  | 7634.9  | 7812.4  | 7869.0  | 7565.4  | 7215.6  | 6551.9  | 6328.1  | 6304.9  |
| 17.5° | 7542.3  | 7331.3  | 7243.9  | 7267.0  | 7434.2  | 7544.8  | 7498.5  | 6989.2  | 6760.3  | 6631.6  |
| 20°   | 7699.2  | 7228.4  | 6963.5  | 6989.2  | 7187.3  | 7591.1  | 7920.4  | 7622.0  | 7259.3  | 7274.7  |
| 22.5° | 8118.5  | 7243.9  | 6829.7  | 6801.4  | 7115.2  | 7832.9  | 8396.3  | 8422.0  | 8072.2  | 7987.3  |
| 25°   | 8746.1  | 7421.4  | 6788.5  | 6780.8  | 7081.8  | 8092.8  | 8951.9  | 9368.7  | 9011.1  | 8854.2  |
| 27.5° | 9250.3  | 7699.2  | 6917.2  | 6942.9  | 7187.3  | 8303.7  | 9425.3  | 9978.3  | 9705.6  | 9512.7  |
| 30°   | 9692.8  | 7987.3  | 7097.2  | 6978.9  | 7470.2  | 8414.3  | 9628.5  | 10672.9 | 10454.2 | 10294.7 |
| 32.5° | 9875.4  | 8396.3  | 7382.8  | 7187.3  | 7704.3  | 8548.1  | 10050.3 | 11346.8 | 11159.0 | 10765.5 |
| 35°   | 10184.1 | 8625.2  | 7537.1  | 7521.7  | 8113.3  | 8869.6  | 10248.4 | 11791.9 | 11714.7 | 11364.8 |
| 37.5° | 10431.1 | 8856.8  | 8085.0  | 7915.3  | 8674.1  | 9409.8  | 10567.4 | 12406.7 | 12229.2 | 12064.5 |
| 40°   | 10621.4 | 9270.9  | 8596.9  | 8820.7  | 9363.5  | 9901.1  | 10860.6 | 12445.2 | 12957.2 | 12478.7 |
| 42.5° | 10446.5 | 9641.3  | 9438.1  | 9973.2  | 10487.7 | 10461.9 | 10894.1 | 12743.6 | 13126.9 | 12877.4 |
| 45°   | 10402.8 | 10269.0 | 10768.0 | 11254.2 | 11372.6 | 10927.5 | 10654.9 | 12414.4 | 13075.5 | 12964.9 |
| 47.5° | 10297.3 | 10886.4 | 11755.8 | 12548.1 | 12368.1 | 11238.8 | 10369.3 | 12355.2 | 13106.3 | 12908.3 |
| 50°   | 10261.3 | 11020.1 | 12486.4 | 13258.1 | 13150.1 | 11508.9 | 10235.6 | 11974.5 | 12887.7 | 12869.7 |
| 52.5° | 10258.7 | 11295.4 | 12789.9 | 13644.0 | 13710.9 | 11935.9 | 10418.2 | 12167.4 | 13057.5 | 13209.2 |
| 55°   | 10374.5 | 11207.9 | 12751.4 | 13430.5 | 13404.7 | 11745.6 | 10438.8 | 12296.0 | 13265.8 | 13415.0 |
| 57.5° | 9785.4  | 10040.1 | 10523.7 | 11061.3 | 10922.4 | 9728.8  | 9322.4  | 11367.4 | 12175.1 | 12067.1 |
| 60°   | 8450.3  | 7652.9  | 7107.5  | 7081.8  | 6811.7  | 6438.7  | 7629.7  | 10145.5 | 10145.5 | 10040.1 |
| 62.5° | 7400.8  | 5023.9  | 4316.5  | 4115.8  | 4308.8  | 4738.4  | 7359.6  | 9867.7  | 9587.3  | 9466.4  |
| 65°   | 6472.1  | 3835.4  | 3120.3  | 3063.7  | 3398.1  | 4046.4  | 6654.8  | 8406.6  | 7912.7  | 7511.4  |
| 67.5° | 4164.7  | 2809.1  | 2320.3  | 2220.0  | 2623.8  | 2971.1  | 4429.7  | 5170.5  | 4859.3  | 4702.3  |
| 70°   | 2685.6  | 1829.0  | 1291.3  | 1211.6  | 1368.5  | 1831.5  | 2829.6  | 3014.8  | 2562.1  | 2456.6  |
| 72.5° | 1270.8  | 789.7   | 452.7   | 373.0   | 419.3   | 699.7   | 1119.0  | 1203.9  | 1000.7  | 915.8   |
| 75°   | 403.9   | 290.7   | 185.2   | 159.5   | 151.8   | 180.1   | 257.2   | 198.1   | 144.1   | 141.5   |
| 77.5° | 180.1   | 172.4   | 146.6   | 123.5   | 108.0   | 90.0    | 74.6    | 61.7    | 64.3    | 66.9    |
| 80°   | 149.2   | 136.3   | 120.9   | 108.0   | 90.0    | 69.5    | 54.0    | 41.2    | 41.2    | 43.7    |
| 82.5° | 131.2   | 118.3   | 105.5   | 90.0    | 77.2    | 56.6    | 41.2    | 28.3    | 25.7    | 25.7    |
| 85°   | 56.6    | 66.9    | 72.0    | 77.2    | 61.7    | 46.3    | 28.3    | 18.0    | 15.4    | 15.4    |
| 87.5° | 23.2    | 20.6    | 18.0    | 15.4    | 12.9    | 12.9    | 10.3    | 7.7     | 5.1     | 5.1     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)