

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: P953766

Luminaire Tested: **GALN-SB7B-722-U-SLR-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7B-722-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

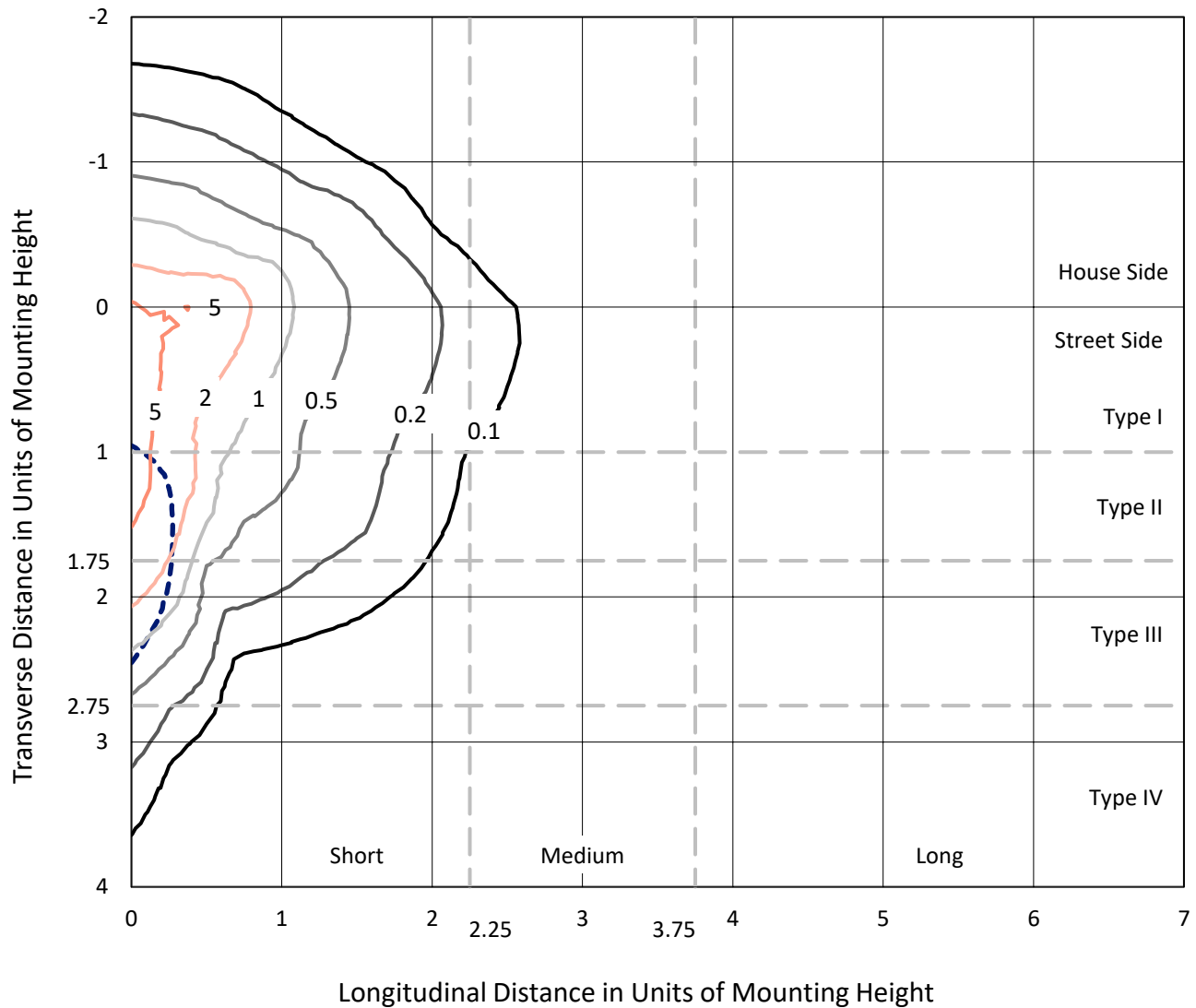
Lumens per Lamp: N/A  
Luminaire Lumens: 25248 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P953766  
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

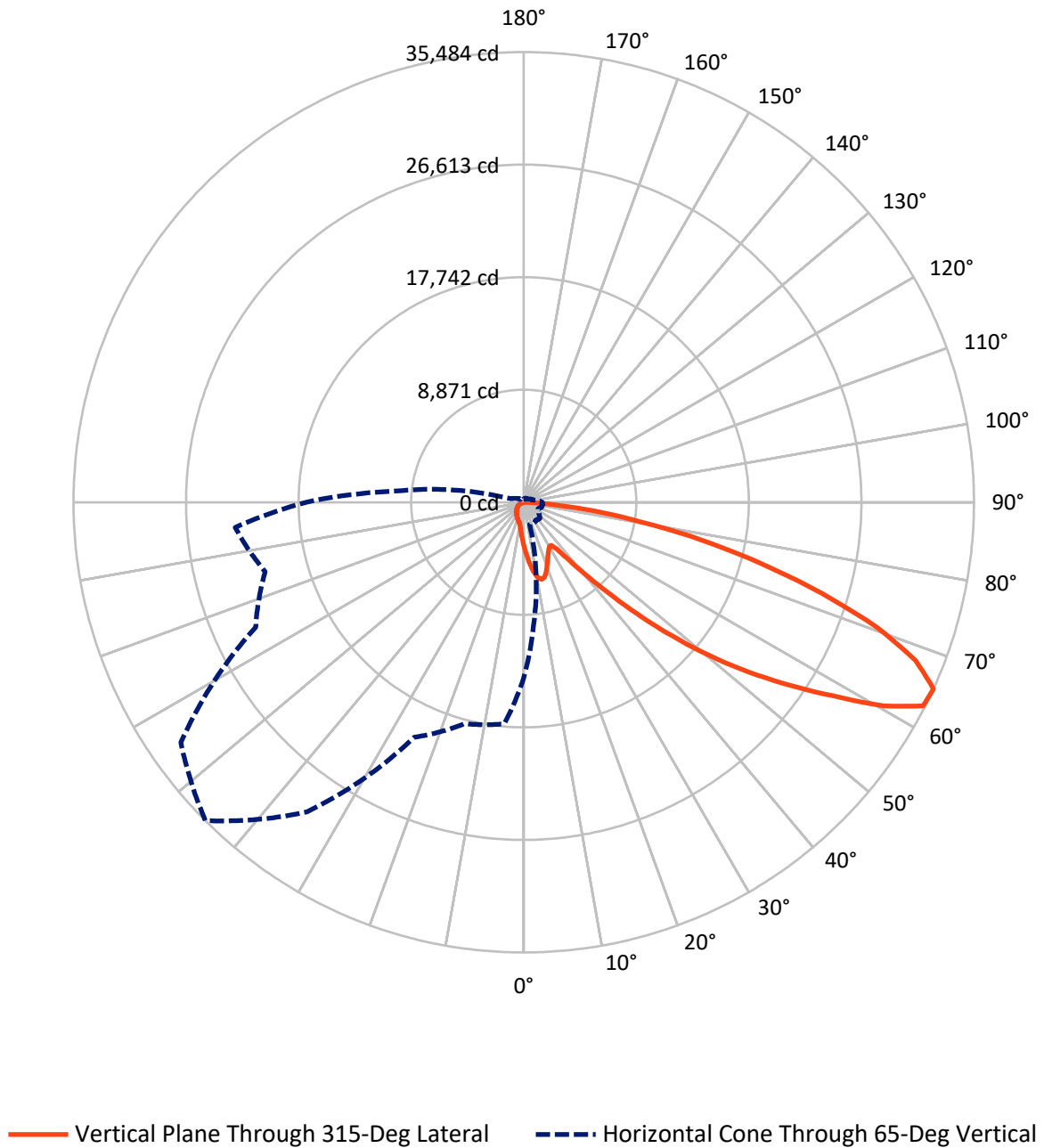


Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P953766

CATALOG NUMBER: GALN-SB7B-722-U-SLR-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P953766

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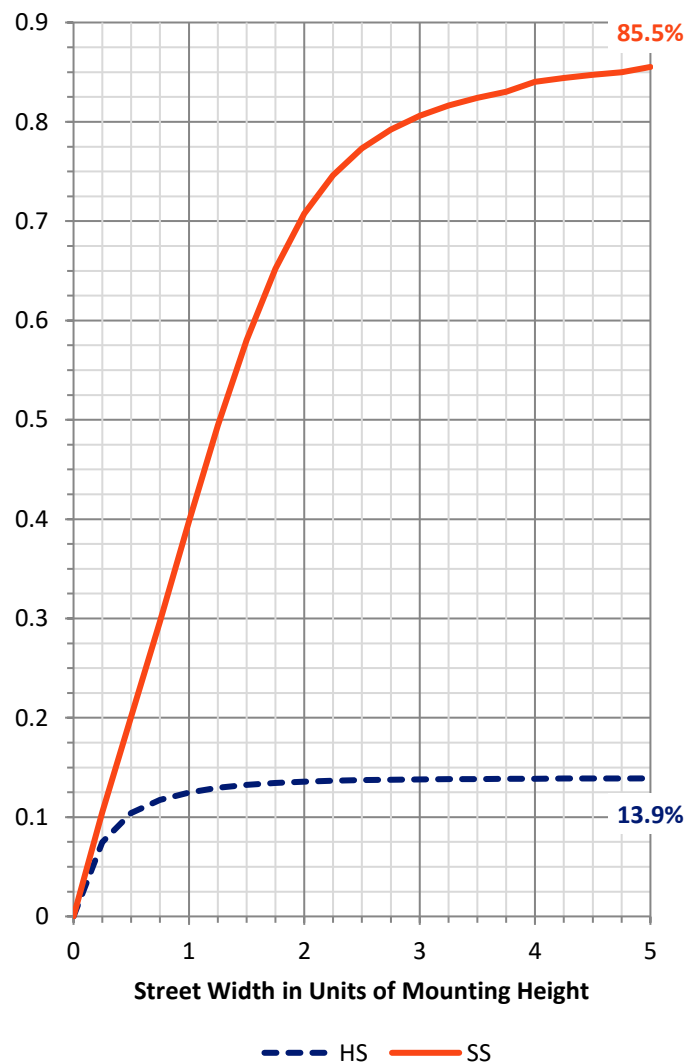
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3535.8   | 0.0    | 3535.8  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 21712.2  | 0.0    | 21712.2 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 25248.0  | 0.0    | 25248.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 344.2   | 1.4       |
| 10°-20°   | 1031.8  | 4.1       |
| 20°-30°   | 1520.1  | 6.0       |
| 30°-40°   | 1952.9  | 7.7       |
| 40°-50°   | 3158.3  | 12.5      |
| 50°-60°   | 5538.5  | 21.9      |
| 60°-70°   | 6930.1  | 27.4      |
| 70°-80°   | 4049.6  | 16.0      |
| 80°-90°   | 722.5   | 2.9       |
| 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°    | 25248.0 | 100.0     |
| 0°-180°   | 25248.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953766

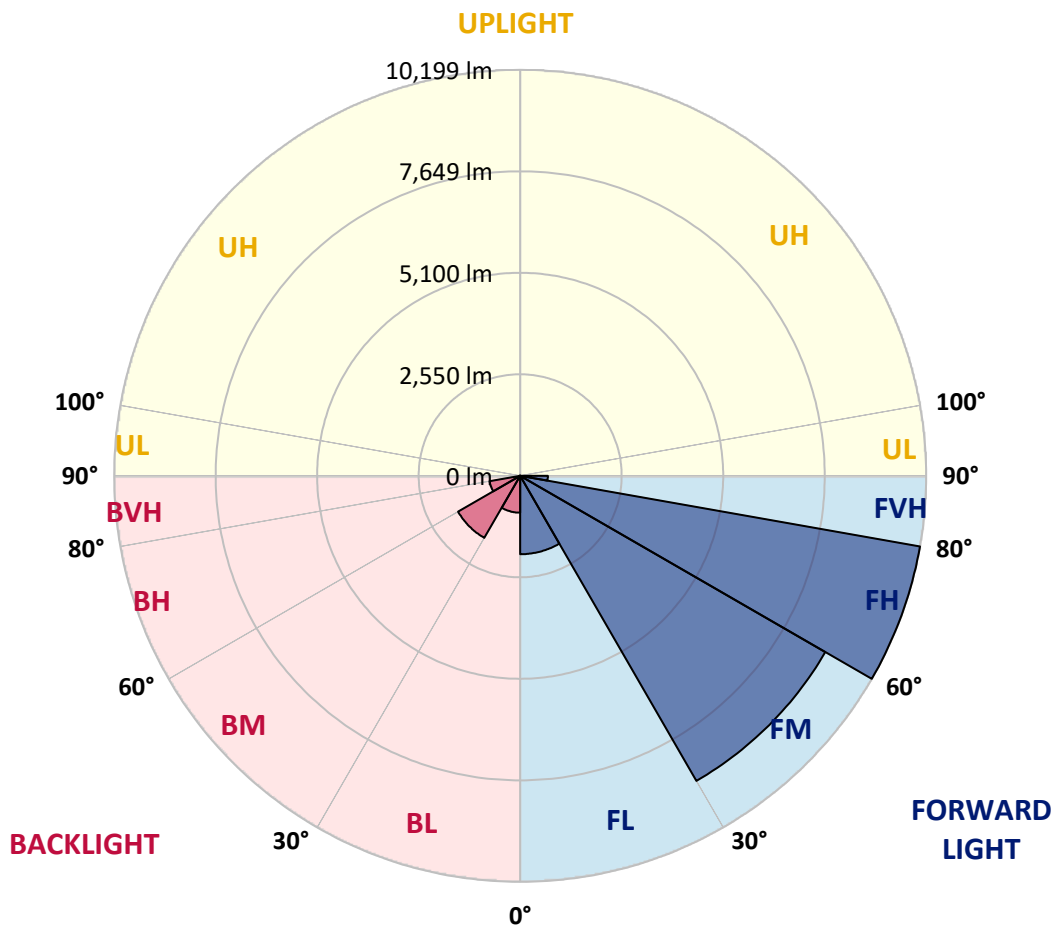
CATALOG NUMBER: GALN-SB7B-722-U-SLR-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1969.3  | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 8849.1  | 35.0      |                         |      |          |
| FH   | (60°-80°)   | 10199.0 | 40.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 694.8   | 2.8       |                         |      | G4/750   |
| BL   | (0°-30°)    | 926.8   | 3.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1800.5  | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 780.7   | 3.1       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 27.8    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



REPORT NUMBER: P953766

CATALOG NUMBER: GALN-SB7B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3496.0  | 3496.0  | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 |
| 2.5°  | 3950.0  | 3882.2  | 3842.2 | 3743.0 | 3643.9 | 3563.9 | 3456.0 | 3384.7 | 3299.5 | 3217.7 | 3144.7 |
| 5°    | 4402.2  | 4292.7  | 4160.5 | 3979.6 | 3814.3 | 3645.6 | 3482.1 | 3320.4 | 3149.9 | 2993.4 | 2897.7 |
| 7.5°  | 4784.9  | 4626.6  | 4393.5 | 4153.5 | 3943.0 | 3739.5 | 3548.2 | 3334.3 | 3127.3 | 2882.1 | 2751.6 |
| 10°   | 5077.1  | 4875.3  | 4569.2 | 4254.4 | 4012.6 | 3807.4 | 3621.3 | 3440.4 | 3231.7 | 2936.0 | 2772.5 |
| 12.5° | 5254.5  | 5038.8  | 4675.3 | 4306.6 | 4030.0 | 3800.4 | 3656.1 | 3576.0 | 3494.3 | 3200.4 | 3009.0 |
| 15°   | 5384.9  | 5151.9  | 4750.1 | 4343.1 | 3990.0 | 3708.2 | 3602.1 | 3682.1 | 3776.1 | 3588.2 | 3367.3 |
| 17.5° | 5520.6  | 5275.4  | 4847.5 | 4358.7 | 3882.2 | 3529.1 | 3483.9 | 3690.8 | 3908.3 | 3899.6 | 3680.4 |
| 20°   | 5649.3  | 5405.8  | 4932.7 | 4348.3 | 3708.2 | 3311.7 | 3351.7 | 3616.1 | 3868.3 | 3974.4 | 3856.1 |
| 22.5° | 5797.2  | 5539.7  | 5014.5 | 4308.3 | 3482.1 | 3108.2 | 3233.4 | 3497.8 | 3718.7 | 3843.9 | 3807.4 |
| 25°   | 5978.1  | 5708.5  | 5129.3 | 4249.2 | 3238.6 | 2939.5 | 3113.4 | 3360.4 | 3539.5 | 3626.5 | 3624.8 |
| 27.5° | 6172.9  | 5910.2  | 5282.3 | 4217.9 | 3042.1 | 2819.4 | 2977.7 | 3196.9 | 3356.9 | 3417.8 | 3417.8 |
| 30°   | 6414.6  | 6145.0  | 5463.2 | 4183.1 | 2913.4 | 2749.9 | 2836.8 | 3007.3 | 3163.8 | 3224.7 | 3224.7 |
| 32.5° | 6679.0  | 6405.9  | 5637.1 | 4099.6 | 2835.1 | 2697.7 | 2699.4 | 2807.3 | 2949.9 | 3022.9 | 3033.4 |
| 35°   | 7009.5  | 6719.0  | 5823.3 | 3917.0 | 2772.5 | 2636.8 | 2565.5 | 2617.7 | 2736.0 | 2822.9 | 2845.5 |
| 37.5° | 7480.8  | 7129.5  | 6051.1 | 3656.1 | 2680.3 | 2542.9 | 2424.6 | 2436.8 | 2527.2 | 2622.9 | 2657.7 |
| 40°   | 8131.3  | 7680.9  | 6319.0 | 3384.7 | 2548.1 | 2410.7 | 2269.8 | 2264.6 | 2330.7 | 2424.6 | 2462.9 |
| 42.5° | 9011.4  | 8409.6  | 6640.7 | 3125.6 | 2421.1 | 2250.7 | 2106.3 | 2097.6 | 2149.8 | 2231.6 | 2271.6 |
| 45°   | 10173.3 | 9341.9  | 7035.6 | 2902.9 | 2322.0 | 2094.1 | 1951.5 | 1948.0 | 1991.5 | 2062.8 | 2104.6 |
| 47.5° | 11660.4 | 10637.7 | 7430.4 | 2751.6 | 2269.8 | 1970.7 | 1824.6 | 1831.5 | 1869.8 | 1934.1 | 1963.7 |
| 50°   | 13585.9 | 12326.6 | 7550.4 | 2675.1 | 2269.8 | 1904.6 | 1711.5 | 1746.3 | 1777.6 | 1826.3 | 1843.7 |
| 52.5° | 15893.9 | 13947.6 | 7153.8 | 2605.5 | 2283.7 | 1913.3 | 1615.8 | 1690.6 | 1713.2 | 1755.0 | 1761.9 |
| 55°   | 18033.3 | 14742.5 | 6150.2 | 2509.8 | 2287.2 | 1967.2 | 1534.1 | 1645.4 | 1687.1 | 1702.8 | 1701.1 |
| 57.5° | 19275.2 | 14469.4 | 4972.7 | 2348.1 | 2273.3 | 2003.7 | 1481.9 | 1589.7 | 1669.8 | 1680.2 | 1664.5 |
| 60°   | 19038.6 | 13511.1 | 3661.3 | 2224.6 | 2170.7 | 1989.8 | 1466.2 | 1504.5 | 1631.5 | 1647.1 | 1626.3 |
| 62.5° | 17215.8 | 11903.9 | 2541.2 | 2128.9 | 1944.6 | 1928.9 | 1461.0 | 1370.6 | 1548.0 | 1586.3 | 1556.7 |
| 65°   | 13838.1 | 9371.5  | 1795.0 | 1833.2 | 1704.5 | 1796.7 | 1433.2 | 1231.4 | 1447.1 | 1499.3 | 1454.1 |
| 67.5° | 10039.4 | 6341.6  | 1295.8 | 1485.4 | 1544.5 | 1582.8 | 1370.6 | 1130.6 | 1332.3 | 1401.9 | 1342.8 |
| 70°   | 6442.5  | 3424.7  | 909.7  | 981.0  | 1301.0 | 1344.5 | 1262.7 | 1040.1 | 1215.8 | 1295.8 | 1231.4 |
| 72.5° | 4579.6  | 2022.8  | 654.0  | 687.0  | 1045.3 | 1120.1 | 1111.4 | 939.2  | 1080.1 | 1177.5 | 1101.0 |
| 75°   | 3160.4  | 1114.9  | 441.8  | 490.5  | 758.3  | 909.7  | 857.5  | 807.0  | 914.9  | 1014.0 | 939.2  |
| 77.5° | 1981.1  | 499.2   | 264.4  | 340.9  | 497.4  | 714.9  | 587.9  | 624.4  | 713.1  | 805.3  | 727.0  |
| 80°   | 1102.7  | 193.1   | 147.8  | 226.1  | 271.3  | 520.1  | 325.3  | 401.8  | 525.3  | 591.4  | 528.8  |
| 82.5° | 240.0   | 24.4    | 66.1   | 97.4   | 106.1  | 302.6  | 172.2  | 233.1  | 330.5  | 325.3  | 281.8  |
| 85°   | 0.0     | 0.0     | 12.2   | 13.9   | 7.0    | 130.4  | 62.6   | 76.5   | 107.8  | 100.9  | 76.5   |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.5    | 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    |

REPORT NUMBER: P953766

CATALOG NUMBER: GALN-SB7B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 |
| 2.5°  | 3130.8 | 3045.6 | 2982.9 | 2951.6 | 2925.5 | 2949.9 | 2963.8 | 2963.8 | 3022.9 | 3057.7 | 3071.6 |
| 5°    | 2836.8 | 2683.8 | 2567.2 | 2489.0 | 2442.0 | 2457.7 | 2475.1 | 2494.2 | 2569.0 | 2619.4 | 2652.5 |
| 7.5°  | 2633.3 | 2398.5 | 2221.1 | 2111.5 | 2054.1 | 2062.8 | 2075.0 | 2090.7 | 2163.7 | 2214.2 | 2257.6 |
| 10°   | 2595.1 | 2257.6 | 2007.2 | 1862.8 | 1793.2 | 1781.1 | 1774.1 | 1768.9 | 1812.4 | 1850.6 | 1885.4 |
| 12.5° | 2751.6 | 2264.6 | 1915.0 | 1739.3 | 1654.1 | 1617.6 | 1575.8 | 1542.8 | 1549.7 | 1574.1 | 1617.6 |
| 15°   | 3031.6 | 2353.3 | 1885.4 | 1675.0 | 1568.9 | 1508.0 | 1459.3 | 1419.3 | 1410.6 | 1419.3 | 1426.2 |
| 17.5° | 3351.7 | 2473.3 | 1881.9 | 1619.3 | 1487.1 | 1424.5 | 1384.5 | 1348.0 | 1335.8 | 1337.5 | 1346.2 |
| 20°   | 3563.9 | 2569.0 | 1871.5 | 1556.7 | 1408.9 | 1353.2 | 1318.4 | 1281.9 | 1269.7 | 1273.2 | 1274.9 |
| 22.5° | 3584.7 | 2619.4 | 1855.9 | 1487.1 | 1330.6 | 1283.6 | 1248.8 | 1215.8 | 1214.0 | 1214.0 | 1224.5 |
| 25°   | 3471.7 | 2619.4 | 1822.8 | 1424.5 | 1255.8 | 1214.0 | 1182.7 | 1142.7 | 1149.7 | 1153.2 | 1167.1 |
| 27.5° | 3296.0 | 2556.8 | 1760.2 | 1374.1 | 1191.4 | 1148.0 | 1116.6 | 1080.1 | 1088.8 | 1094.0 | 1109.7 |
| 30°   | 3122.1 | 2476.8 | 1685.4 | 1316.7 | 1130.6 | 1080.1 | 1057.5 | 1026.2 | 1029.7 | 1036.6 | 1054.0 |
| 32.5° | 2960.3 | 2391.6 | 1596.7 | 1269.7 | 1069.7 | 1019.2 | 1001.9 | 967.1  | 972.3  | 979.2  | 998.4  |
| 35°   | 2800.3 | 2297.6 | 1492.3 | 1214.0 | 1014.0 | 963.6  | 949.7  | 909.7  | 913.1  | 923.6  | 944.5  |
| 37.5° | 2628.1 | 2198.5 | 1407.1 | 1158.4 | 960.1  | 907.9  | 894.0  | 852.3  | 855.7  | 867.9  | 892.3  |
| 40°   | 2447.2 | 2101.1 | 1323.6 | 1099.3 | 902.7  | 850.5  | 838.4  | 793.1  | 796.6  | 810.5  | 836.6  |
| 42.5° | 2264.6 | 1995.0 | 1259.3 | 1022.7 | 843.6  | 787.9  | 775.7  | 734.0  | 739.2  | 754.9  | 781.0  |
| 45°   | 2095.9 | 1868.0 | 1217.5 | 937.5  | 787.9  | 725.3  | 713.1  | 674.9  | 685.3  | 702.7  | 728.8  |
| 47.5° | 1951.5 | 1737.6 | 1200.1 | 866.2  | 728.8  | 660.9  | 650.5  | 619.2  | 636.6  | 655.7  | 676.6  |
| 50°   | 1828.0 | 1612.4 | 1177.5 | 793.1  | 673.1  | 605.3  | 594.8  | 574.0  | 596.6  | 615.7  | 634.9  |
| 52.5° | 1739.3 | 1469.7 | 1128.8 | 727.0  | 624.4  | 558.3  | 554.8  | 544.4  | 565.3  | 582.7  | 600.1  |
| 55°   | 1662.8 | 1321.9 | 1050.6 | 669.6  | 580.9  | 518.3  | 521.8  | 516.6  | 534.0  | 547.9  | 563.5  |
| 57.5° | 1593.2 | 1193.2 | 951.4  | 624.4  | 534.0  | 483.5  | 494.0  | 487.0  | 495.7  | 504.4  | 523.5  |
| 60°   | 1509.7 | 1062.7 | 833.1  | 574.0  | 478.3  | 448.7  | 460.9  | 441.8  | 440.0  | 443.5  | 448.7  |
| 62.5° | 1386.2 | 887.1  | 709.6  | 511.4  | 429.6  | 410.5  | 415.7  | 379.2  | 351.3  | 351.3  | 356.6  |
| 65°   | 1214.0 | 713.1  | 594.8  | 441.8  | 374.0  | 358.3  | 354.8  | 302.6  | 264.4  | 260.9  | 276.6  |
| 67.5° | 1014.0 | 586.2  | 494.0  | 372.2  | 311.3  | 300.9  | 304.4  | 266.1  | 227.9  | 224.4  | 241.8  |
| 70°   | 826.2  | 485.3  | 398.3  | 297.4  | 240.0  | 250.5  | 266.1  | 227.9  | 191.3  | 186.1  | 201.8  |
| 72.5° | 671.4  | 386.1  | 311.3  | 227.9  | 177.4  | 207.0  | 226.1  | 186.1  | 151.3  | 147.8  | 161.8  |
| 75°   | 518.3  | 283.5  | 222.6  | 154.8  | 128.7  | 160.0  | 177.4  | 135.7  | 107.8  | 102.6  | 114.8  |
| 77.5° | 346.1  | 175.7  | 125.2  | 97.4   | 76.5   | 109.6  | 118.3  | 71.3   | 62.6   | 60.9   | 69.6   |
| 80°   | 210.5  | 81.7   | 53.9   | 47.0   | 26.1   | 40.0   | 47.0   | 29.6   | 33.0   | 34.8   | 41.7   |
| 82.5° | 106.1  | 22.6   | 8.7    | 1.7    | 0.0    | 0.0    | 13.9   | 7.0    | 13.9   | 17.4   | 26.1   |
| 85°   | 8.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.5    | 8.7    | 15.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 7.0    |
| 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: P953766

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**CANDELA DISTRIBUTION (continued):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    | 285°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0 | 3496.0  | 3496.0  | 3496.0  | 3496.0  |
| 2.5°  | 3169.0 | 3242.1 | 3311.7 | 3423.0 | 3537.8 | 3650.8 | 3765.6 | 3877.0  | 3917.0  | 3946.5  | 4012.6  |
| 5°    | 2803.8 | 2941.2 | 3101.2 | 3322.1 | 3558.7 | 3802.2 | 4049.1 | 4275.3  | 4377.9  | 4447.5  | 4604.0  |
| 7.5°  | 2426.4 | 2605.5 | 2835.1 | 3167.3 | 3537.8 | 3925.7 | 4313.5 | 4670.1  | 4835.3  | 4969.2  | 5207.5  |
| 10°   | 2052.4 | 2247.2 | 2537.7 | 2916.8 | 3417.8 | 3974.4 | 4510.1 | 5000.6  | 5214.5  | 5383.2  | 5706.7  |
| 12.5° | 1723.7 | 1906.3 | 2210.7 | 2629.9 | 3229.9 | 3936.1 | 4623.1 | 5212.8  | 5465.0  | 5654.5  | 6009.4  |
| 15°   | 1492.3 | 1621.0 | 1890.6 | 2342.9 | 3007.3 | 3812.6 | 4630.1 | 5313.6  | 5590.2  | 5788.5  | 6096.3  |
| 17.5° | 1363.6 | 1407.1 | 1582.8 | 2050.7 | 2760.3 | 3650.8 | 4565.7 | 5348.4  | 5644.1  | 5828.5  | 6042.4  |
| 20°   | 1294.1 | 1301.0 | 1349.7 | 1671.5 | 2443.7 | 3499.5 | 4504.8 | 5383.2  | 5694.5  | 5849.3  | 5913.7  |
| 22.5° | 1238.4 | 1238.4 | 1250.6 | 1367.1 | 2035.0 | 3318.6 | 4485.7 | 5444.1  | 5764.1  | 5859.8  | 5727.6  |
| 25°   | 1188.0 | 1188.0 | 1191.4 | 1222.7 | 1612.4 | 3042.1 | 4473.5 | 5538.0  | 5859.8  | 5885.9  | 5522.4  |
| 27.5° | 1135.8 | 1137.5 | 1137.5 | 1154.9 | 1299.3 | 2666.4 | 4421.4 | 5659.8  | 5974.6  | 5920.7  | 5325.8  |
| 30°   | 1083.6 | 1087.1 | 1087.1 | 1099.3 | 1149.7 | 2226.3 | 4318.7 | 5805.9  | 6124.2  | 5965.9  | 5131.0  |
| 32.5° | 1031.4 | 1034.9 | 1034.9 | 1045.3 | 1081.9 | 1777.6 | 4190.0 | 5939.8  | 6275.5  | 5985.0  | 4950.1  |
| 35°   | 977.5  | 982.7  | 979.2  | 993.2  | 1031.4 | 1414.1 | 4026.5 | 6073.7  | 6439.0  | 6045.9  | 4861.4  |
| 37.5° | 923.6  | 927.1  | 925.3  | 939.2  | 982.7  | 1221.0 | 3836.9 | 6174.6  | 6661.6  | 6181.6  | 4967.5  |
| 40°   | 869.7  | 867.9  | 867.9  | 883.6  | 930.5  | 1165.3 | 3598.7 | 6334.6  | 6981.6  | 6419.8  | 5430.2  |
| 42.5° | 814.0  | 814.0  | 810.5  | 827.9  | 885.3  | 1123.6 | 3370.8 | 6621.6  | 7447.8  | 6799.0  | 6251.1  |
| 45°   | 763.6  | 761.8  | 754.9  | 770.5  | 841.8  | 1050.6 | 3290.8 | 7157.3  | 8136.6  | 7413.0  | 7244.3  |
| 47.5° | 714.9  | 713.1  | 695.7  | 709.6  | 789.7  | 984.5  | 3590.0 | 8033.9  | 9091.4  | 8315.7  | 8174.8  |
| 50°   | 671.4  | 673.1  | 640.1  | 652.2  | 737.5  | 934.0  | 4238.7 | 9171.5  | 10359.4 | 9531.5  | 9056.7  |
| 52.5° | 631.4  | 631.4  | 587.9  | 594.8  | 673.1  | 888.8  | 4856.2 | 10404.6 | 12032.6 | 11227.3 | 10084.6 |
| 55°   | 591.4  | 587.9  | 539.2  | 542.7  | 608.8  | 824.4  | 4948.4 | 11608.2 | 14314.6 | 13778.9 | 11490.0 |
| 57.5° | 546.1  | 539.2  | 494.0  | 494.0  | 549.6  | 777.5  | 4289.2 | 12533.6 | 17146.3 | 17528.9 | 13516.3 |
| 60°   | 490.5  | 485.3  | 455.7  | 447.0  | 502.7  | 819.2  | 3026.4 | 12641.4 | 18972.5 | 22515.5 | 17396.7 |
| 62.5° | 419.2  | 426.1  | 410.5  | 398.3  | 457.4  | 850.5  | 1793.2 | 11773.5 | 18530.8 | 24101.8 | 22044.2 |
| 65°   | 330.5  | 358.3  | 354.8  | 346.1  | 502.7  | 716.6  | 1059.2 | 10107.2 | 17175.8 | 22821.7 | 21096.3 |
| 67.5° | 281.8  | 300.9  | 295.7  | 295.7  | 527.0  | 544.4  | 666.2  | 7896.5  | 15311.3 | 21303.2 | 18843.8 |
| 70°   | 240.0  | 259.2  | 240.0  | 240.0  | 398.3  | 330.5  | 460.9  | 5513.7  | 13298.9 | 19623.0 | 17365.4 |
| 72.5° | 198.3  | 217.4  | 196.5  | 182.6  | 318.3  | 247.0  | 337.4  | 3445.6  | 11389.1 | 17873.3 | 16353.1 |
| 75°   | 151.3  | 173.9  | 158.3  | 140.9  | 210.5  | 184.4  | 255.7  | 2002.0  | 9435.8  | 15292.1 | 14911.2 |
| 77.5° | 95.7   | 125.2  | 118.3  | 99.1   | 154.8  | 133.9  | 184.4  | 1191.4  | 7280.8  | 11949.2 | 12825.8 |
| 80°   | 59.1   | 64.4   | 66.1   | 62.6   | 88.7   | 90.4   | 125.2  | 678.3   | 4983.2  | 8327.9  | 10020.2 |
| 82.5° | 38.3   | 38.3   | 29.6   | 33.0   | 43.5   | 52.2   | 71.3   | 255.7   | 2929.0  | 5070.1  | 6974.7  |
| 85°   | 27.8   | 24.4   | 15.7   | 15.7   | 20.9   | 26.1   | 27.8   | 78.3    | 1188.0  | 2002.0  | 2727.3  |
| 87.5° | 13.9   | 12.2   | 5.2    | 7.0    | 10.4   | 8.7    | 7.0    | 3.5     | 299.2   | 640.1   | 448.7   |
| 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: P953766

CATALOG NUMBER: GALN-SB7B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3496.0  | 3496.0  | 3496.0  | 3496.0  | 3496.0  | 3496.0  | 3496.0  | 3496.0  |
| 2.5°  | 4047.4  | 4101.3  | 4104.8  | 4104.8  | 4057.8  | 4056.1  | 3960.4  | 3950.0  |
| 5°    | 4765.7  | 4800.5  | 4809.2  | 4791.8  | 4697.9  | 4628.3  | 4442.2  | 4402.2  |
| 7.5°  | 5423.2  | 5492.8  | 5492.8  | 5451.0  | 5298.0  | 5155.4  | 4885.8  | 4784.9  |
| 10°   | 5948.5  | 6028.5  | 6011.1  | 5925.9  | 5732.8  | 5536.3  | 5209.3  | 5077.1  |
| 12.5° | 6204.2  | 6285.9  | 6240.7  | 6143.3  | 5955.4  | 5748.5  | 5404.1  | 5254.5  |
| 15°   | 6198.9  | 6176.3  | 6129.4  | 6117.2  | 6026.8  | 5870.2  | 5548.4  | 5384.9  |
| 17.5° | 5978.1  | 5786.7  | 5750.2  | 5872.0  | 5986.8  | 5948.5  | 5673.7  | 5520.6  |
| 20°   | 5628.5  | 5294.5  | 5261.5  | 5494.5  | 5821.5  | 5988.5  | 5790.2  | 5649.3  |
| 22.5° | 5259.7  | 4899.7  | 4823.1  | 5080.6  | 5572.8  | 6000.7  | 5938.1  | 5797.2  |
| 25°   | 4910.1  | 4548.3  | 4471.8  | 4711.8  | 5296.2  | 5979.8  | 6098.1  | 5978.1  |
| 27.5° | 4617.9  | 4268.3  | 4197.0  | 4437.0  | 5030.1  | 5920.7  | 6258.1  | 6172.9  |
| 30°   | 4391.8  | 4068.3  | 4016.1  | 4247.4  | 4800.5  | 5847.6  | 6461.6  | 6414.6  |
| 32.5° | 4259.6  | 4023.1  | 4042.2  | 4231.8  | 4677.0  | 5767.6  | 6656.4  | 6679.0  |
| 35°   | 4390.1  | 4400.5  | 4567.5  | 4645.7  | 4791.8  | 5755.4  | 6920.8  | 7009.5  |
| 37.5° | 5038.8  | 5400.6  | 5746.7  | 5682.4  | 5353.6  | 5896.3  | 7315.6  | 7480.8  |
| 40°   | 6143.3  | 6886.0  | 7447.8  | 7202.5  | 6374.6  | 6327.7  | 7884.4  | 8131.3  |
| 42.5° | 7493.0  | 8752.3  | 9677.6  | 9020.1  | 7691.3  | 7082.5  | 8696.6  | 9011.4  |
| 45°   | 8917.5  | 11053.4 | 12511.0 | 11143.8 | 9094.9  | 8140.0  | 9926.3  | 10173.3 |
| 47.5° | 10418.5 | 13850.2 | 15735.7 | 13498.9 | 10395.9 | 9343.6  | 11603.0 | 11660.4 |
| 50°   | 12060.5 | 16916.7 | 19023.0 | 15852.2 | 11651.7 | 10722.9 | 13651.9 | 13585.9 |
| 52.5° | 13624.1 | 20070.1 | 22240.7 | 18215.9 | 12754.5 | 12434.4 | 16029.6 | 15893.9 |
| 55°   | 15116.5 | 23221.7 | 25477.6 | 20487.5 | 13794.6 | 14695.5 | 18854.3 | 18033.3 |
| 57.5° | 16847.1 | 26055.1 | 28813.6 | 22769.5 | 15248.6 | 17631.5 | 22012.9 | 19275.2 |
| 60°   | 19405.6 | 29274.6 | 32586.2 | 25896.8 | 18014.2 | 20717.1 | 23145.2 | 19038.6 |
| 62.5° | 22672.1 | 32234.9 | 35329.1 | 28961.5 | 20791.9 | 21298.0 | 21477.2 | 17215.8 |
| 65°   | 23306.9 | 32984.5 | 35483.9 | 29780.7 | 20433.6 | 18066.4 | 17534.1 | 13838.1 |
| 67.5° | 21623.3 | 31629.6 | 33320.2 | 28255.3 | 18075.0 | 13961.5 | 13158.0 | 10039.4 |
| 70°   | 19734.4 | 29046.7 | 29549.4 | 25662.0 | 15897.4 | 10269.0 | 8886.2  | 6442.5  |
| 72.5° | 17798.5 | 25601.1 | 24561.0 | 22286.0 | 13972.0 | 7477.4  | 6409.4  | 4579.6  |
| 75°   | 15499.1 | 21070.2 | 19346.5 | 18516.8 | 11568.2 | 5868.5  | 4637.0  | 3160.4  |
| 77.5° | 12411.8 | 14831.2 | 14370.3 | 14352.9 | 8693.1  | 4287.4  | 3094.3  | 1981.1  |
| 80°   | 8755.8  | 9625.4  | 9390.6  | 10809.9 | 5832.0  | 3109.9  | 1862.8  | 1102.7  |
| 82.5° | 4238.7  | 5322.3  | 5463.2  | 6437.2  | 2836.8  | 1829.8  | 429.6   | 240.0   |
| 85°   | 1659.3  | 2567.2  | 2165.5  | 2443.7  | 796.6   | 509.6   | 10.4    | 0.0     |
| 87.5° | 186.1   | 297.4   | 273.1   | 215.7   | 97.4    | 20.9    | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)