

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: P939052

Luminaire Tested: **GALN-SB1C-722-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6135 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 54.4  
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



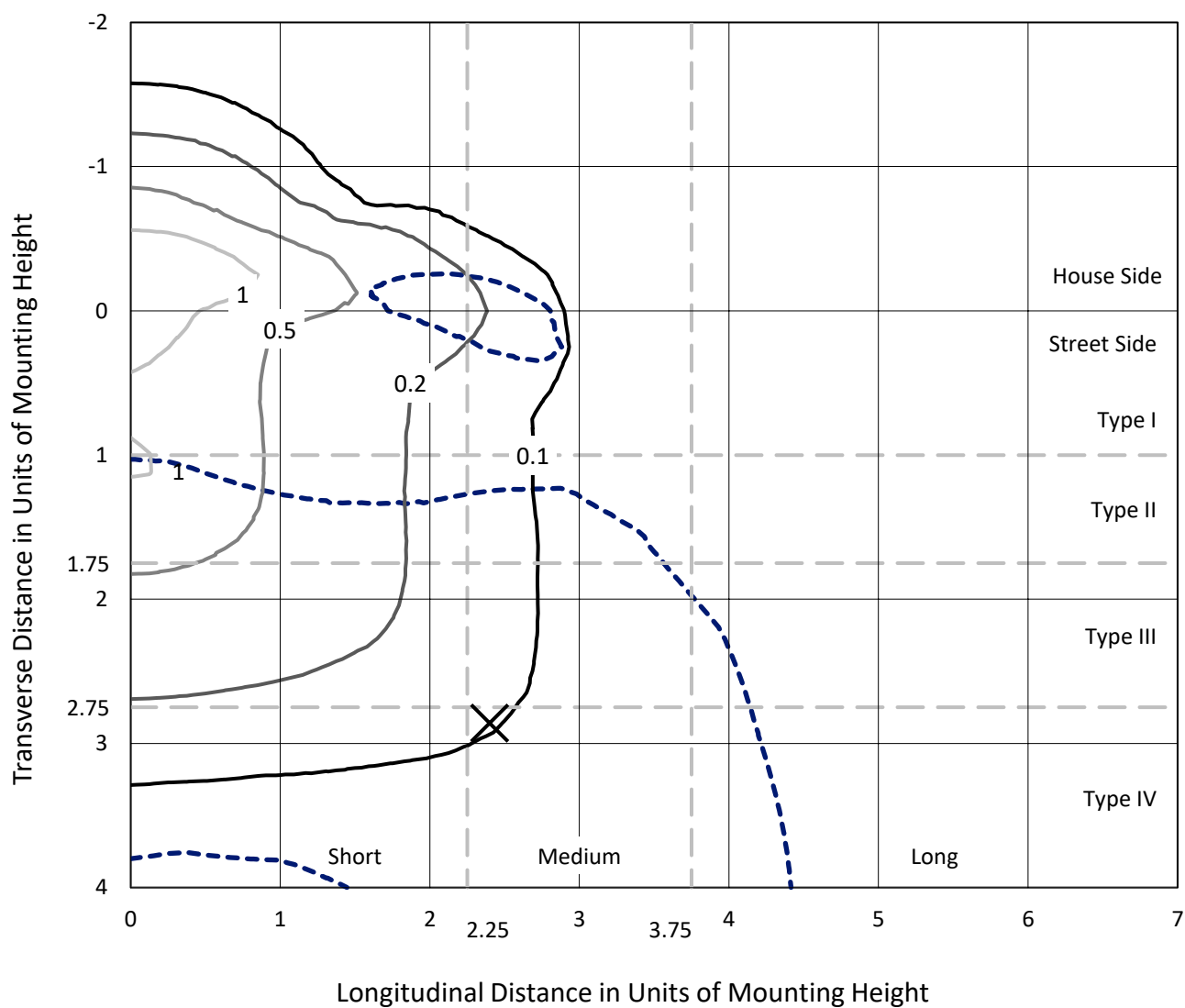
REPORT NUMBER: P939052

CATALOG NUMBER: GALN-SB1C-722-U-SL4

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

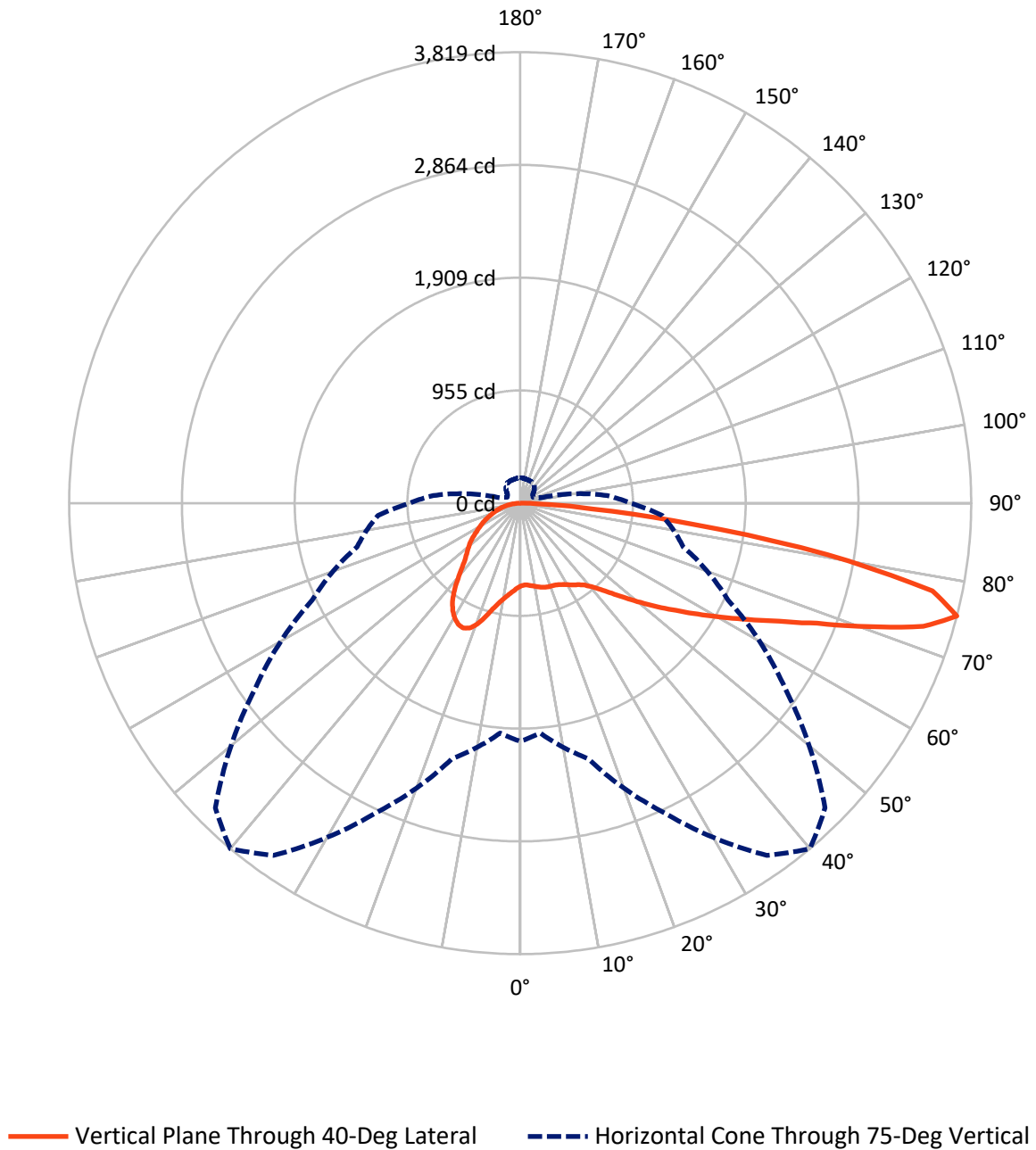


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
Type IV - Medium - N/A

REPORT NUMBER: P939052

CATALOG NUMBER: GALN-SB1C-722-U-SL4

## Luminous Intensity Polar Plot



REPORT NUMBER: P939052

CATALOG NUMBER: GALN-SB1C-722-U-SL4

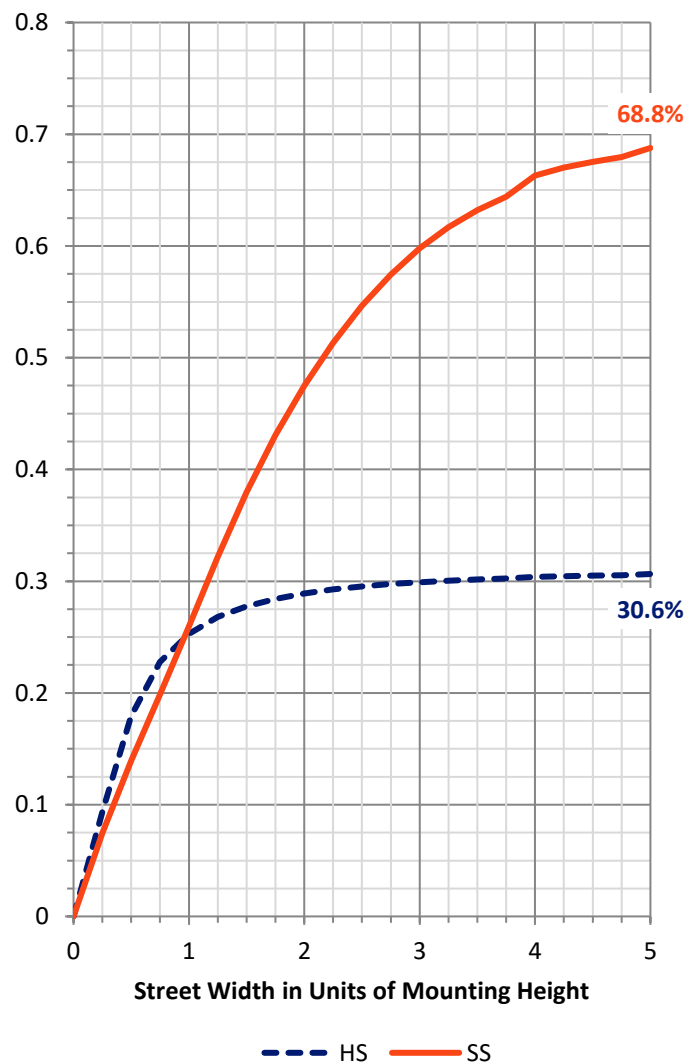
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1900.8   | 0.0    | 1900.8 |
|                    | % Fixture | 31.0     | 0.0    | 31.0   |
| <b>Street Side</b> | Lumens    | 4234.2   | 0.0    | 4234.2 |
|                    | % Fixture | 69.0     | 0.0    | 69.0   |
| <b>Total</b>       | Lumens    | 6135.0   | 0.0    | 6135.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.0   | 1.1       |
| 10°-20°   | 235.1  | 3.8       |
| 20°-30°   | 429.3  | 7.0       |
| 30°-40°   | 608.9  | 9.9       |
| 40°-50°   | 822.2  | 13.4      |
| 50°-60°   | 1106.0 | 18.0      |
| 60°-70°   | 1403.8 | 22.9      |
| 70°-80°   | 1274.0 | 20.8      |
| 80°-90°   | 185.7  | 3.0       |
| 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°    | 6135.0 | 100.0     |
| 0°-180°   | 6135.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939052

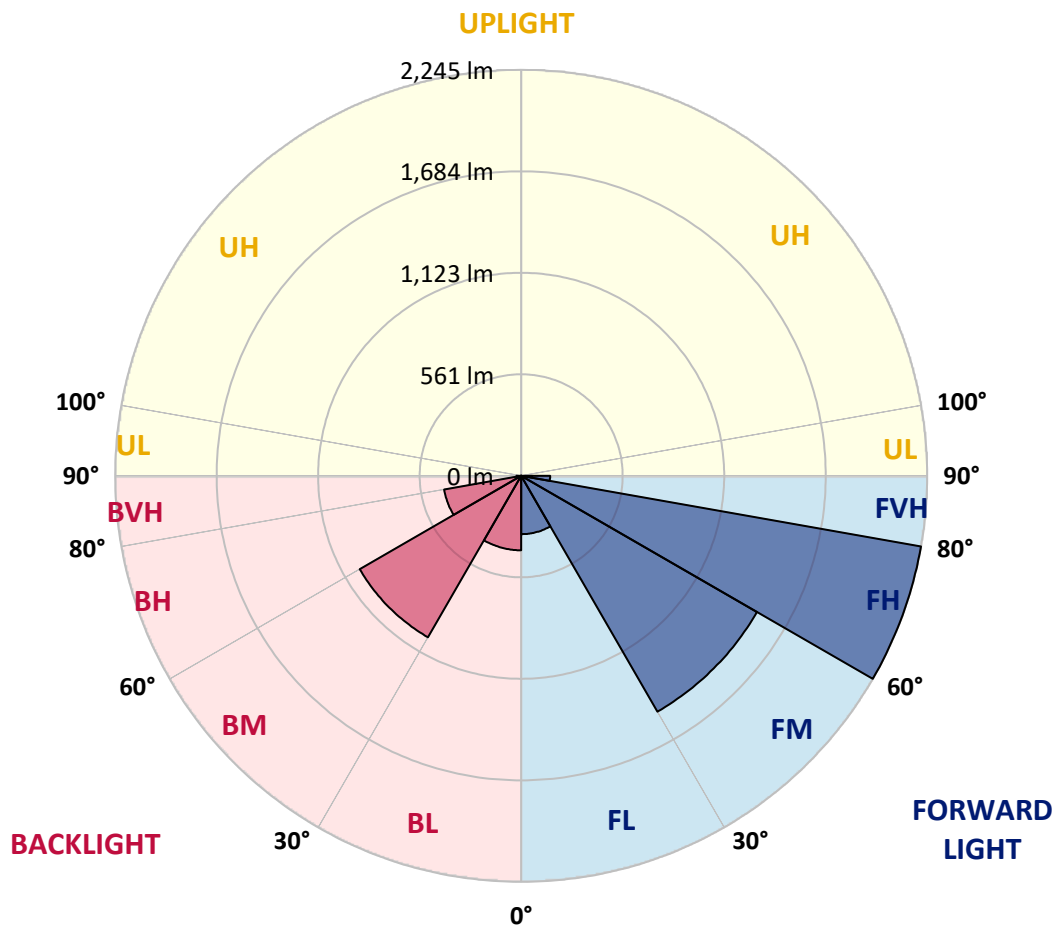
CATALOG NUMBER: GALN-SB1C-722-U-SL4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 322.7  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 1506.0 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 2245.3 | 36.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 160.1  | 2.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 411.7  | 6.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1031.0 | 16.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 432.5  | 7.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 25.6   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type IV Medium



REPORT NUMBER: P939052

CATALOG NUMBER: GALN-SB1C-722-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  |
| 2.5°  | 690.8  | 694.7  | 693.7  | 692.4  | 692.4  | 692.8  | 692.4  | 694.7  | 697.0  | 699.3  | 702.8  |
| 5°    | 698.0  | 701.9  | 699.9  | 698.3  | 697.0  | 696.7  | 695.7  | 695.4  | 696.7  | 699.6  | 704.5  |
| 7.5°  | 712.0  | 715.9  | 712.9  | 710.0  | 707.4  | 706.1  | 704.8  | 702.8  | 701.9  | 703.5  | 710.3  |
| 10°   | 727.6  | 731.5  | 727.9  | 722.7  | 718.5  | 716.8  | 715.5  | 713.6  | 712.3  | 713.3  | 720.7  |
| 12.5° | 743.2  | 747.1  | 742.2  | 735.1  | 729.5  | 728.6  | 726.9  | 726.3  | 725.9  | 725.6  | 733.1  |
| 15°   | 757.8  | 761.1  | 754.9  | 746.4  | 740.6  | 739.0  | 737.3  | 738.3  | 739.9  | 741.9  | 750.4  |
| 17.5° | 769.2  | 772.5  | 763.4  | 752.3  | 746.8  | 746.1  | 745.1  | 748.4  | 753.0  | 757.8  | 768.3  |
| 20°   | 779.6  | 782.9  | 771.2  | 756.2  | 749.7  | 749.7  | 750.0  | 756.9  | 763.4  | 770.5  | 784.8  |
| 22.5° | 794.3  | 796.9  | 782.6  | 762.1  | 752.6  | 753.3  | 755.9  | 762.7  | 770.9  | 780.6  | 800.5  |
| 25°   | 816.1  | 818.0  | 800.5  | 773.1  | 762.4  | 764.3  | 766.6  | 769.9  | 777.7  | 789.1  | 815.8  |
| 27.5° | 851.2  | 852.9  | 829.7  | 792.7  | 776.4  | 779.6  | 782.9  | 780.6  | 784.2  | 794.0  | 828.1  |
| 30°   | 900.7  | 901.7  | 872.4  | 823.2  | 800.1  | 801.8  | 802.4  | 793.0  | 786.1  | 794.0  | 836.9  |
| 32.5° | 959.3  | 958.9  | 924.1  | 860.3  | 827.1  | 825.5  | 820.0  | 801.4  | 785.5  | 792.3  | 844.7  |
| 35°   | 1050.0 | 1046.5 | 1001.6 | 912.4  | 857.7  | 847.6  | 834.6  | 810.9  | 788.8  | 790.7  | 851.6  |
| 37.5° | 1200.4 | 1189.3 | 1127.2 | 997.7  | 903.3  | 877.6  | 858.4  | 826.2  | 795.9  | 790.1  | 859.7  |
| 40°   | 1369.9 | 1355.9 | 1287.6 | 1114.5 | 971.6  | 930.3  | 899.4  | 848.0  | 807.6  | 793.0  | 871.7  |
| 42.5° | 1571.0 | 1551.1 | 1477.6 | 1252.1 | 1058.2 | 998.3  | 951.8  | 875.6  | 824.9  | 802.4  | 888.0  |
| 45°   | 1818.0 | 1791.6 | 1687.5 | 1407.3 | 1167.2 | 1087.5 | 1025.3 | 917.6  | 851.2  | 820.6  | 912.4  |
| 47.5° | 2067.5 | 2074.0 | 1926.0 | 1585.0 | 1298.0 | 1197.4 | 1117.4 | 980.7  | 889.6  | 849.9  | 951.8  |
| 50°   | 2332.7 | 2337.3 | 2163.2 | 1781.8 | 1446.4 | 1321.7 | 1220.9 | 1051.3 | 943.0  | 891.6  | 1010.7 |
| 52.5° | 2539.7 | 2540.3 | 2378.6 | 1987.8 | 1600.9 | 1458.4 | 1332.5 | 1132.0 | 1004.8 | 946.9  | 1089.1 |
| 55°   | 2669.2 | 2667.6 | 2529.6 | 2182.7 | 1778.6 | 1601.9 | 1456.1 | 1223.8 | 1080.3 | 1012.0 | 1187.7 |
| 57.5° | 2763.2 | 2758.3 | 2633.7 | 2350.3 | 1968.0 | 1771.4 | 1596.0 | 1327.9 | 1169.5 | 1089.4 | 1317.5 |
| 60°   | 2799.0 | 2796.1 | 2704.3 | 2495.1 | 2167.1 | 1958.9 | 1757.4 | 1444.4 | 1270.7 | 1180.8 | 1484.4 |
| 62.5° | 2812.7 | 2818.2 | 2773.6 | 2635.4 | 2380.2 | 2166.5 | 1934.8 | 1583.7 | 1384.5 | 1284.3 | 1660.5 |
| 65°   | 2860.8 | 2870.9 | 2861.8 | 2818.9 | 2621.0 | 2409.5 | 2170.0 | 1749.3 | 1508.8 | 1395.3 | 1844.3 |
| 67.5° | 2956.2 | 2966.3 | 2970.2 | 3038.5 | 2915.2 | 2712.5 | 2463.5 | 1955.6 | 1654.3 | 1510.5 | 1982.6 |
| 70°   | 2953.9 | 2951.0 | 3020.0 | 3213.2 | 3283.5 | 3131.9 | 2859.2 | 2209.4 | 1827.7 | 1606.1 | 2000.2 |
| 72.5° | 2688.7 | 2665.3 | 2828.3 | 3211.3 | 3590.1 | 3569.9 | 3342.4 | 2536.8 | 1977.4 | 1617.8 | 1735.6 |
| 75°   | 2017.1 | 1954.6 | 2242.6 | 2894.0 | 3641.1 | 3818.5 | 3649.6 | 2739.8 | 1941.9 | 1429.4 | 1207.9 |
| 77.5° | 862.6  | 799.8  | 1139.2 | 2142.4 | 3258.8 | 3569.6 | 3367.8 | 2390.3 | 1550.2 | 945.3  | 593.2  |
| 80°   | 225.8  | 225.5  | 344.3  | 971.3  | 2216.2 | 2636.0 | 2312.6 | 1543.7 | 885.7  | 337.8  | 163.7  |
| 82.5° | 93.4   | 91.1   | 126.6  | 377.8  | 1082.9 | 1479.2 | 1207.2 | 688.5  | 319.9  | 91.4   | 54.3   |
| 85°   | 34.8   | 34.5   | 61.5   | 130.5  | 382.0  | 610.1  | 441.6  | 176.0  | 79.7   | 44.6   | 24.4   |
| 87.5° | 9.8    | 9.4    | 13.3   | 45.2   | 93.1   | 141.2  | 75.5   | 29.0   | 22.5   | 17.6   | 7.2    |
| 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: P939052

CATALOG NUMBER: GALN-SB1C-722-U-SL4

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  | 701.5  |
| 2.5°  | 703.8  | 705.5  | 708.4  | 710.7  | 713.6  | 716.8  | 721.4  | 724.3  | 727.3  | 729.2  | 727.9  |
| 5°    | 706.8  | 710.3  | 717.8  | 725.3  | 734.1  | 742.2  | 751.7  | 758.5  | 764.0  | 765.6  | 766.3  |
| 7.5°  | 713.3  | 719.1  | 731.8  | 744.5  | 758.5  | 771.8  | 785.5  | 797.2  | 806.6  | 810.2  | 810.6  |
| 10°   | 724.6  | 732.5  | 750.4  | 768.3  | 786.8  | 807.3  | 824.9  | 841.8  | 855.1  | 860.7  | 861.0  |
| 12.5° | 739.0  | 748.7  | 772.2  | 796.9  | 822.6  | 850.9  | 873.7  | 894.5  | 911.1  | 918.6  | 918.6  |
| 15°   | 757.5  | 770.2  | 800.1  | 833.3  | 871.1  | 910.4  | 939.4  | 962.5  | 981.1  | 990.2  | 989.5  |
| 17.5° | 777.7  | 794.6  | 832.4  | 882.5  | 936.5  | 988.2  | 1022.1 | 1039.0 | 1058.2 | 1067.0 | 1066.6 |
| 20°   | 797.2  | 818.0  | 872.1  | 944.9  | 1016.9 | 1071.8 | 1099.2 | 1103.7 | 1105.0 | 1106.0 | 1108.6 |
| 22.5° | 817.4  | 845.4  | 921.8  | 1023.7 | 1100.8 | 1138.9 | 1142.8 | 1123.3 | 1095.9 | 1083.2 | 1086.8 |
| 25°   | 839.5  | 876.6  | 986.9  | 1110.6 | 1173.0 | 1177.6 | 1147.7 | 1100.2 | 1048.4 | 1024.7 | 1028.2 |
| 27.5° | 861.0  | 912.7  | 1065.0 | 1193.5 | 1225.1 | 1185.1 | 1120.7 | 1053.3 | 990.8  | 965.8  | 968.7  |
| 30°   | 882.5  | 954.0  | 1151.2 | 1266.1 | 1248.9 | 1166.5 | 1078.0 | 1002.9 | 940.1  | 913.7  | 916.6  |
| 32.5° | 904.3  | 1002.2 | 1250.5 | 1318.5 | 1244.6 | 1127.2 | 1025.0 | 946.2  | 890.9  | 863.3  | 866.8  |
| 35°   | 929.0  | 1061.4 | 1344.5 | 1347.1 | 1216.3 | 1069.2 | 955.0  | 878.6  | 830.4  | 808.3  | 813.2  |
| 37.5° | 961.2  | 1136.6 | 1427.5 | 1354.3 | 1166.9 | 984.3  | 868.1  | 798.5  | 758.8  | 748.7  | 755.9  |
| 40°   | 1001.2 | 1227.1 | 1490.9 | 1342.9 | 1093.6 | 881.2  | 773.1  | 717.5  | 695.0  | 697.3  | 705.1  |
| 42.5° | 1053.3 | 1328.3 | 1535.5 | 1313.6 | 991.8  | 774.8  | 689.8  | 665.1  | 675.8  | 685.0  | 693.4  |
| 45°   | 1121.0 | 1433.4 | 1563.2 | 1263.8 | 876.6  | 684.6  | 640.7  | 646.6  | 654.7  | 655.7  | 662.2  |
| 47.5° | 1207.5 | 1539.8 | 1581.4 | 1188.7 | 759.1  | 621.2  | 609.5  | 610.8  | 609.1  | 602.3  | 607.5  |
| 50°   | 1315.6 | 1643.2 | 1597.7 | 1089.1 | 659.2  | 581.5  | 565.9  | 561.3  | 538.8  | 516.7  | 519.7  |
| 52.5° | 1438.6 | 1738.2 | 1604.5 | 965.4  | 581.5  | 548.3  | 522.9  | 494.3  | 452.3  | 445.5  | 447.7  |
| 55°   | 1575.2 | 1826.1 | 1586.9 | 813.5  | 516.1  | 505.7  | 467.3  | 432.8  | 428.2  | 422.4  | 423.3  |
| 57.5° | 1738.6 | 1920.8 | 1551.1 | 644.0  | 449.0  | 455.9  | 418.5  | 422.4  | 414.2  | 405.1  | 403.5  |
| 60°   | 1917.2 | 2018.7 | 1488.3 | 489.4  | 379.7  | 393.7  | 405.8  | 405.4  | 403.2  | 395.7  | 393.1  |
| 62.5° | 2078.0 | 2083.2 | 1364.7 | 374.9  | 318.9  | 345.6  | 378.4  | 378.1  | 376.2  | 371.9  | 370.3  |
| 65°   | 2173.6 | 2073.4 | 1158.4 | 295.1  | 268.8  | 305.9  | 341.3  | 343.9  | 344.3  | 343.9  | 343.9  |
| 67.5° | 2156.7 | 1959.2 | 875.3  | 234.9  | 227.4  | 265.5  | 304.6  | 308.1  | 310.7  | 311.4  | 312.1  |
| 70°   | 1965.4 | 1708.3 | 570.7  | 187.4  | 190.7  | 230.1  | 269.8  | 273.3  | 275.6  | 278.2  | 279.5  |
| 72.5° | 1531.9 | 1256.0 | 326.7  | 151.6  | 158.5  | 199.5  | 235.3  | 239.5  | 240.8  | 245.7  | 247.6  |
| 75°   | 933.6  | 738.6  | 176.4  | 119.4  | 130.2  | 170.5  | 201.1  | 206.0  | 208.3  | 214.1  | 214.8  |
| 77.5° | 443.8  | 319.9  | 100.5  | 93.1   | 104.8  | 139.3  | 169.9  | 175.4  | 169.2  | 172.5  | 169.9  |
| 80°   | 150.0  | 118.8  | 63.5   | 70.9   | 80.0   | 108.7  | 136.0  | 141.5  | 128.5  | 127.9  | 126.6  |
| 82.5° | 52.4   | 48.2   | 40.3   | 47.2   | 51.7   | 77.8   | 102.8  | 110.0  | 95.7   | 95.3   | 90.8   |
| 85°   | 20.5   | 19.5   | 22.5   | 25.7   | 30.9   | 47.8   | 67.7   | 71.3   | 58.9   | 47.5   | 46.9   |
| 87.5° | 4.2    | 4.6    | 5.5    | 5.9    | 9.4    | 16.6   | 24.4   | 29.9   | 23.8   | 20.2   | 18.5   |
| 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)