

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: STREETWORKS

Report Number: P318605

Luminaire Tested: **GAN-SA1C-722-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-722-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5446 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

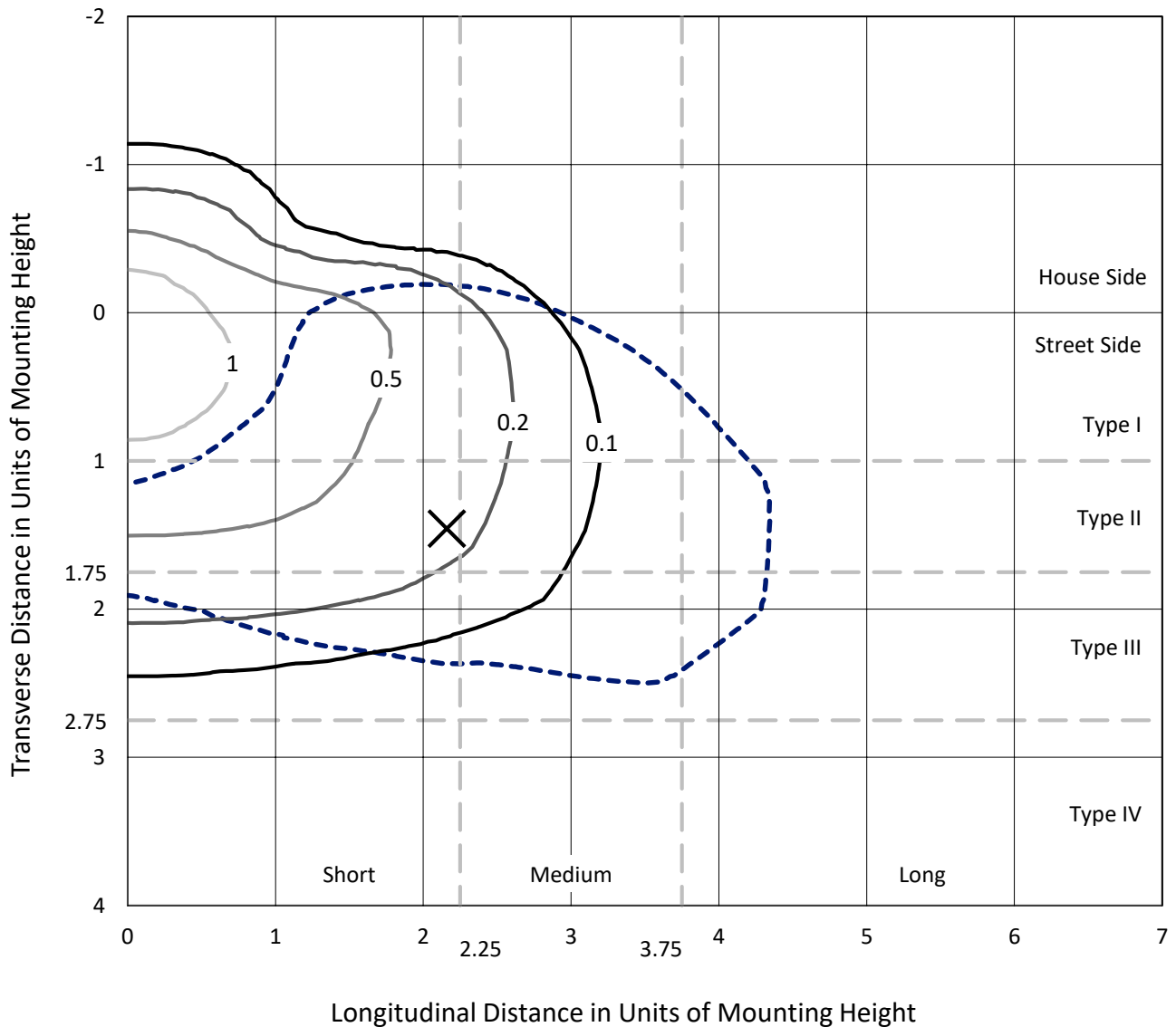
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318605  
 CATALOG NUMBER: GAN-SA1C-722-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

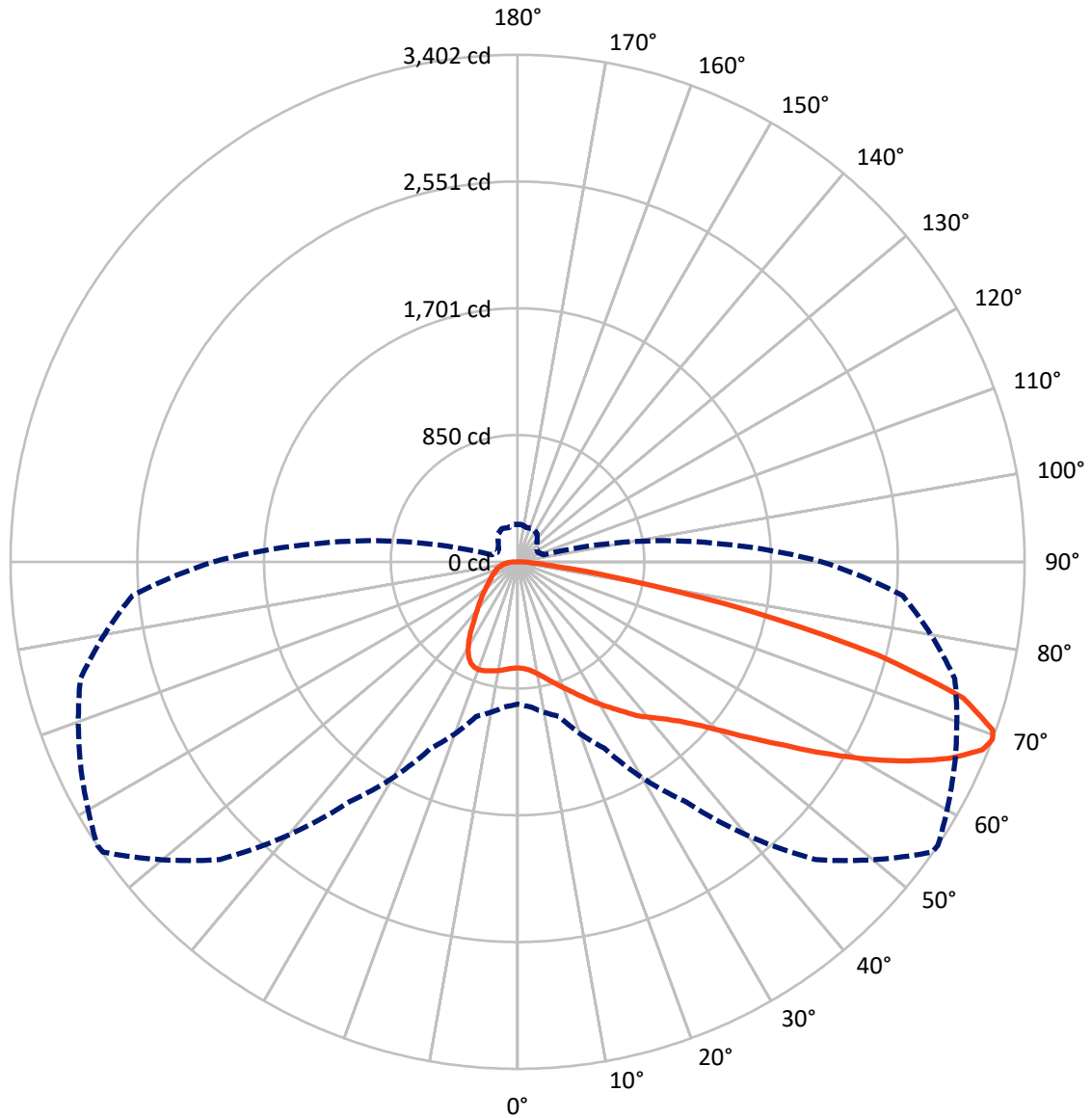
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P318605  
CATALOG NUMBER: GAN-SA1C-722-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318605  
 CATALOG NUMBER: GAN-SA1C-722-U-T3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1212.8   | 0.0    | 1212.8 |
|                    | % Fixture | 22.3     | 0.0    | 22.3   |
| <b>Street Side</b> | Lumens    | 4233.2   | 0.0    | 4233.2 |
|                    | % Fixture | 77.7     | 0.0    | 77.7   |
| <b>Total</b>       | Lumens    | 5446.0   | 0.0    | 5446.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.9   | 1.3       |
| 10°-20°   | 224.9  | 4.1       |
| 20°-30°   | 392.5  | 7.2       |
| 30°-40°   | 563.8  | 10.4      |
| 40°-50°   | 780.3  | 14.3      |
| 50°-60°   | 1143.3 | 21.0      |
| 60°-70°   | 1393.9 | 25.6      |
| 70°-80°   | 770.6  | 14.2      |
| 80°-90°   | 106.7  | 2.0       |
| 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°    | 5446.0 | 100.0     |
| 0°-180°   | 5446.0 | 100.0     |

**Coefficient of Utilization**

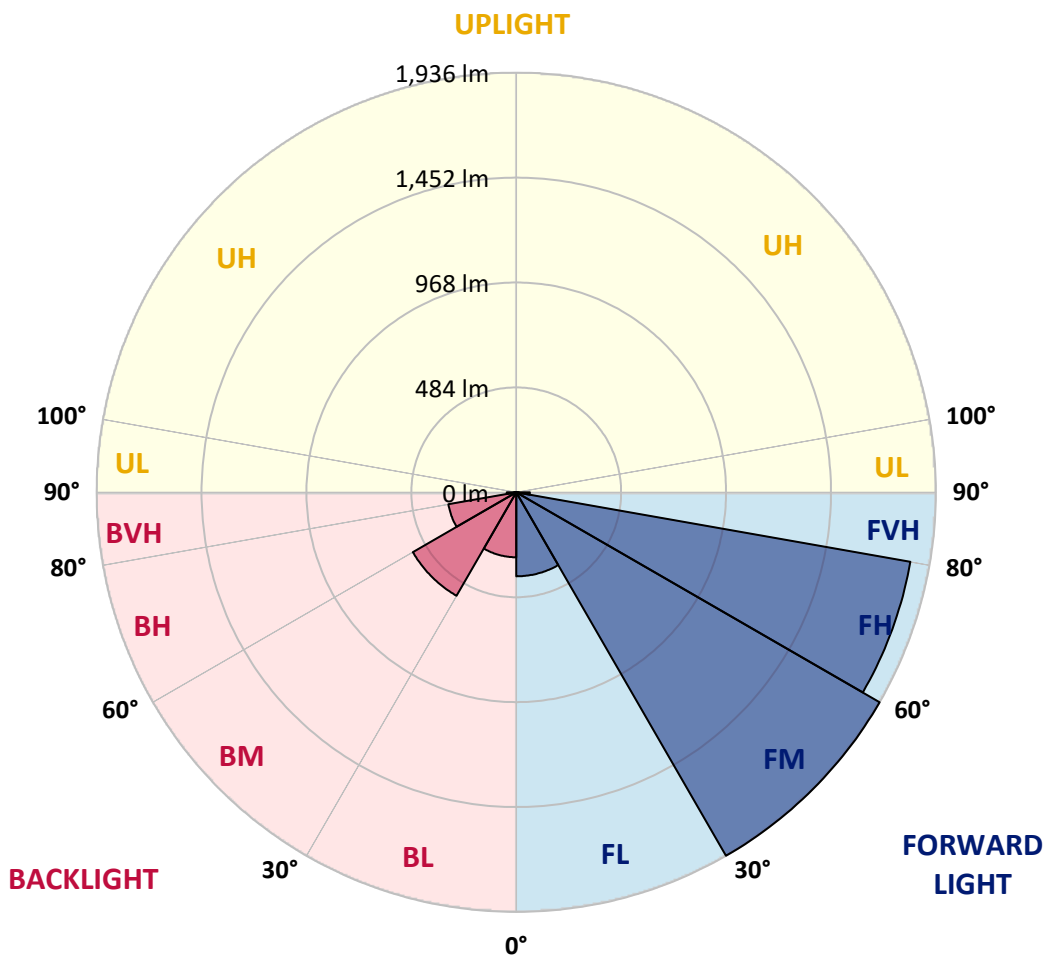


REPORT NUMBER: P318605  
 CATALOG NUMBER: GAN-SA1C-722-U-T3

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 387.6  | 7.1       |                         |      |         |
| FM (30°-60°)   | 1936.3 | 35.6      |                         |      |         |
| FH (60°-80°)   | 1846.5 | 33.9      |                         |      | G2/5000 |
| FVH (80°-90°)  | 62.9   | 1.2       |                         |      | G1/100  |
| BL (0°-30°)    | 299.7  | 5.5       | B1/500                  |      |         |
| BM (30°-60°)   | 551.2  | 10.1      | B1/1000                 |      |         |
| BH (60°-80°)   | 318.0  | 5.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 43.9   | 0.8       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type III Short





REPORT NUMBER: P318605

CATALOG NUMBER: GAN-SA1C-722-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  | 712.0  |
| 2.5°  | 716.5  | 717.2  | 716.7  | 718.2  | 716.5  | 717.6  | 716.7  | 716.7  | 716.1  | 714.4  | 712.5  |
| 5°    | 727.7  | 729.2  | 728.3  | 729.8  | 727.7  | 728.1  | 726.4  | 726.4  | 724.7  | 721.2  | 717.4  |
| 7.5°  | 745.4  | 747.1  | 746.3  | 747.8  | 745.0  | 745.0  | 742.8  | 742.6  | 739.2  | 733.4  | 729.1  |
| 10°   | 766.4  | 768.6  | 767.9  | 770.1  | 767.9  | 768.6  | 766.4  | 766.4  | 761.9  | 753.6  | 748.2  |
| 12.5° | 797.0  | 799.8  | 797.7  | 797.5  | 796.6  | 798.1  | 796.2  | 795.8  | 791.7  | 780.5  | 773.0  |
| 15°   | 837.9  | 840.9  | 836.6  | 836.2  | 830.9  | 830.4  | 830.4  | 829.8  | 827.2  | 813.7  | 801.3  |
| 17.5° | 885.0  | 885.9  | 882.1  | 876.1  | 869.4  | 865.1  | 864.5  | 866.0  | 866.0  | 850.3  | 830.6  |
| 20°   | 931.1  | 932.8  | 929.8  | 923.0  | 914.4  | 908.0  | 903.5  | 906.5  | 906.3  | 887.6  | 859.6  |
| 22.5° | 981.4  | 985.3  | 980.8  | 972.2  | 962.1  | 954.9  | 947.1  | 949.7  | 949.9  | 926.8  | 888.1  |
| 25°   | 1046.5 | 1042.9 | 1040.1 | 1027.9 | 1013.5 | 1006.2 | 998.8  | 1001.5 | 1000.7 | 969.0  | 917.6  |
| 27.5° | 1104.1 | 1104.8 | 1101.1 | 1088.1 | 1071.4 | 1055.3 | 1054.9 | 1056.6 | 1053.8 | 1012.9 | 945.4  |
| 30°   | 1171.1 | 1171.4 | 1166.2 | 1154.6 | 1136.4 | 1115.5 | 1110.7 | 1113.5 | 1107.5 | 1054.6 | 974.6  |
| 32.5° | 1237.7 | 1239.5 | 1233.7 | 1219.7 | 1205.0 | 1179.7 | 1169.9 | 1171.8 | 1156.8 | 1097.1 | 1004.8 |
| 35°   | 1296.0 | 1298.6 | 1296.8 | 1287.4 | 1271.4 | 1249.7 | 1238.0 | 1236.9 | 1218.3 | 1149.3 | 1044.8 |
| 37.5° | 1355.5 | 1357.9 | 1355.9 | 1348.0 | 1341.6 | 1318.5 | 1312.3 | 1312.3 | 1280.1 | 1202.6 | 1095.6 |
| 40°   | 1416.6 | 1420.4 | 1418.0 | 1407.1 | 1401.6 | 1391.1 | 1376.3 | 1372.7 | 1337.9 | 1266.6 | 1178.6 |
| 42.5° | 1473.5 | 1478.4 | 1488.1 | 1481.7 | 1470.7 | 1472.2 | 1442.4 | 1440.5 | 1415.0 | 1361.1 | 1282.7 |
| 45°   | 1554.2 | 1561.3 | 1577.8 | 1572.9 | 1570.7 | 1562.4 | 1527.0 | 1525.3 | 1515.5 | 1488.3 | 1412.0 |
| 47.5° | 1642.2 | 1651.9 | 1681.7 | 1682.7 | 1706.9 | 1691.3 | 1643.1 | 1637.3 | 1639.5 | 1640.7 | 1569.7 |
| 50°   | 1723.2 | 1733.9 | 1782.9 | 1805.9 | 1863.0 | 1866.4 | 1789.2 | 1784.0 | 1792.8 | 1818.7 | 1753.6 |
| 52.5° | 1787.9 | 1801.4 | 1862.6 | 1933.9 | 2031.6 | 2059.4 | 1969.2 | 1965.2 | 1971.8 | 2016.4 | 1961.5 |
| 55°   | 1835.4 | 1850.0 | 1916.6 | 2046.5 | 2202.5 | 2251.5 | 2176.3 | 2172.5 | 2176.7 | 2233.5 | 2187.5 |
| 57.5° | 1846.5 | 1850.0 | 1946.6 | 2122.3 | 2346.8 | 2464.5 | 2429.7 | 2422.2 | 2402.0 | 2451.5 | 2437.1 |
| 60°   | 1794.5 | 1808.8 | 1921.9 | 2148.9 | 2458.5 | 2674.4 | 2694.7 | 2685.3 | 2628.4 | 2668.9 | 2657.3 |
| 62.5° | 1689.1 | 1714.6 | 1829.4 | 2108.4 | 2502.2 | 2845.9 | 2954.5 | 2943.2 | 2845.3 | 2871.6 | 2815.7 |
| 65°   | 1516.8 | 1527.7 | 1648.3 | 1968.6 | 2446.6 | 2955.6 | 3186.2 | 3180.6 | 3057.3 | 3016.2 | 2844.9 |
| 67.5° | 1208.8 | 1229.2 | 1331.7 | 1676.5 | 2219.4 | 2942.7 | 3365.4 | 3364.8 | 3195.8 | 3069.9 | 2741.2 |
| 69°   | 954.9  | 976.1  | 1073.7 | 1381.0 | 1963.9 | 2824.3 | 3395.4 | 3401.9 | 3234.8 | 3037.2 | 2593.0 |
| 70°   | 761.3  | 785.9  | 852.9  | 1163.2 | 1737.1 | 2668.2 | 3370.4 | 3382.2 | 3227.3 | 2983.4 | 2456.2 |
| 72.5° | 324.0  | 343.9  | 391.5  | 599.6  | 1058.7 | 1992.4 | 3081.7 | 3126.3 | 3053.4 | 2730.5 | 2029.9 |
| 75°   | 141.5  | 147.6  | 169.2  | 244.5  | 470.0  | 1084.4 | 2414.2 | 2496.7 | 2610.8 | 2308.0 | 1512.1 |
| 77.5° | 103.6  | 106.2  | 118.0  | 143.5  | 210.9  | 409.6  | 1552.5 | 1600.5 | 1882.9 | 1679.5 | 927.5  |
| 80°   | 80.1   | 82.0   | 91.2   | 105.4  | 137.7  | 165.7  | 708.0  | 749.3  | 1058.7 | 862.6  | 386.3  |
| 82.5° | 63.8   | 65.1   | 71.5   | 77.7   | 95.1   | 100.4  | 235.1  | 260.8  | 390.8  | 238.3  | 102.2  |
| 85°   | 59.3   | 60.8   | 63.0   | 56.7   | 61.0   | 58.9   | 101.7  | 106.4  | 118.0  | 93.6   | 42.8   |
| 87.5° | 26.8   | 31.7   | 62.5   | 44.1   | 32.5   | 25.9   | 41.6   | 43.5   | 49.0   | 49.2   | 18.9   |
| 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: P318605  
 CATALOG NUMBER: GAN-SA1C-722-U-T3

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 712.0  | 712.0  | 712.0 | 712.0 | 712.0 | 712.0 | 712.0 | 712.0 | 712.0 | 712.0 | 712.0 |
| 2.5°  | 713.7  | 713.1  | 714.0 | 711.8 | 714.6 | 714.4 | 713.5 | 713.9 | 715.7 | 715.5 | 715.7 |
| 5°    | 718.0  | 717.6  | 718.7 | 717.0 | 720.4 | 721.6 | 721.7 | 723.4 | 725.5 | 726.1 | 726.1 |
| 7.5°  | 728.9  | 728.9  | 729.4 | 727.2 | 729.4 | 729.2 | 728.3 | 730.0 | 732.1 | 732.2 | 732.1 |
| 10°   | 747.6  | 747.8  | 746.9 | 741.1 | 739.2 | 734.1 | 729.4 | 729.6 | 732.2 | 734.3 | 734.9 |
| 12.5° | 771.3  | 770.5  | 766.4 | 755.7 | 747.8 | 737.5 | 732.6 | 732.4 | 735.1 | 736.7 | 737.3 |
| 15°   | 798.3  | 796.2  | 785.5 | 768.1 | 754.2 | 744.1 | 736.2 | 734.3 | 732.8 | 730.9 | 731.1 |
| 17.5° | 823.8  | 819.1  | 801.3 | 777.1 | 762.4 | 748.9 | 733.7 | 721.6 | 713.1 | 708.2 | 706.7 |
| 20°   | 849.7  | 840.5  | 814.8 | 785.5 | 767.0 | 742.4 | 713.1 | 688.3 | 673.0 | 665.8 | 664.5 |
| 22.5° | 873.3  | 858.5  | 827.4 | 794.3 | 763.4 | 720.2 | 674.3 | 638.3 | 616.9 | 607.3 | 608.0 |
| 25°   | 896.4  | 875.8  | 840.5 | 800.5 | 745.4 | 681.2 | 620.2 | 576.0 | 551.2 | 540.5 | 540.1 |
| 27.5° | 916.7  | 893.2  | 854.8 | 795.5 | 711.8 | 625.7 | 556.3 | 513.1 | 492.5 | 483.3 | 481.8 |
| 30°   | 939.9  | 915.2  | 873.7 | 776.1 | 662.6 | 561.5 | 493.8 | 463.4 | 448.8 | 439.6 | 437.9 |
| 32.5° | 968.3  | 945.0  | 889.3 | 741.1 | 599.8 | 494.5 | 445.0 | 423.8 | 410.5 | 400.2 | 398.3 |
| 35°   | 1009.5 | 984.4  | 893.2 | 690.8 | 530.8 | 441.6 | 409.2 | 387.4 | 369.4 | 356.1 | 354.8 |
| 37.5° | 1061.3 | 1033.7 | 884.2 | 625.7 | 463.8 | 407.3 | 379.3 | 352.5 | 329.1 | 310.3 | 307.3 |
| 40°   | 1136.0 | 1094.3 | 859.3 | 550.6 | 414.4 | 380.8 | 350.3 | 319.7 | 290.6 | 268.7 | 264.3 |
| 42.5° | 1225.7 | 1165.4 | 821.0 | 476.0 | 378.2 | 354.0 | 321.4 | 283.5 | 255.7 | 240.1 | 237.9 |
| 45°   | 1339.7 | 1239.4 | 767.9 | 410.7 | 342.6 | 327.2 | 290.2 | 255.3 | 238.1 | 226.6 | 224.8 |
| 47.5° | 1469.9 | 1322.3 | 712.2 | 357.6 | 312.4 | 302.1 | 265.3 | 242.8 | 229.1 | 220.1 | 218.4 |
| 50°   | 1630.0 | 1415.9 | 653.1 | 314.1 | 282.0 | 271.8 | 253.5 | 235.8 | 224.9 | 218.0 | 216.3 |
| 52.5° | 1810.4 | 1521.5 | 610.5 | 279.7 | 256.8 | 249.5 | 247.3 | 232.1 | 223.3 | 218.0 | 216.3 |
| 55°   | 2004.8 | 1629.0 | 564.5 | 250.8 | 235.1 | 237.1 | 243.1 | 232.4 | 226.4 | 220.1 | 217.6 |
| 57.5° | 2199.4 | 1740.1 | 513.3 | 226.4 | 217.8 | 227.9 | 240.3 | 233.2 | 228.1 | 221.9 | 219.7 |
| 60°   | 2353.2 | 1810.4 | 433.9 | 206.0 | 204.1 | 217.8 | 233.6 | 227.6 | 221.0 | 221.2 | 220.8 |
| 62.5° | 2425.1 | 1806.7 | 346.3 | 187.8 | 190.4 | 204.1 | 222.7 | 218.8 | 213.3 | 220.6 | 221.2 |
| 65°   | 2384.7 | 1716.6 | 269.6 | 171.3 | 175.8 | 189.9 | 211.4 | 214.4 | 216.3 | 230.4 | 232.3 |
| 67.5° | 2215.5 | 1541.4 | 208.8 | 156.8 | 162.5 | 180.1 | 212.6 | 233.6 | 236.0 | 250.8 | 250.6 |
| 69°   | 2040.5 | 1377.1 | 181.4 | 149.3 | 155.9 | 182.5 | 227.2 | 245.8 | 236.6 | 252.3 | 250.1 |
| 70°   | 1893.7 | 1247.0 | 166.8 | 144.3 | 152.9 | 186.9 | 237.0 | 245.6 | 233.8 | 247.3 | 243.5 |
| 72.5° | 1458.5 | 897.2  | 141.5 | 134.9 | 142.8 | 178.8 | 239.8 | 240.1 | 227.2 | 229.8 | 223.4 |
| 75°   | 1000.3 | 567.0  | 123.4 | 122.1 | 127.4 | 161.2 | 230.8 | 229.4 | 210.1 | 206.4 | 201.1 |
| 77.5° | 551.6  | 288.0  | 104.9 | 109.9 | 113.5 | 142.8 | 209.7 | 207.9 | 191.9 | 184.0 | 182.2 |
| 80°   | 212.8  | 126.1  | 88.6  | 97.7  | 100.0 | 123.6 | 183.9 | 182.2 | 168.8 | 158.7 | 155.9 |
| 82.5° | 80.3   | 66.0   | 73.2  | 84.6  | 83.9  | 102.1 | 155.7 | 154.8 | 141.8 | 127.0 | 122.5 |
| 85°   | 37.1   | 39.6   | 58.0  | 69.8  | 64.4  | 75.6  | 124.6 | 126.3 | 110.5 | 92.9  | 92.9  |
| 87.5° | 15.8   | 22.1   | 41.1  | 52.7  | 43.3  | 51.0  | 91.4  | 87.2  | 80.1  | 55.5  | 52.2  |
| 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)