

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: P946296

Luminaire Tested: **GLAN-SB2A-727-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

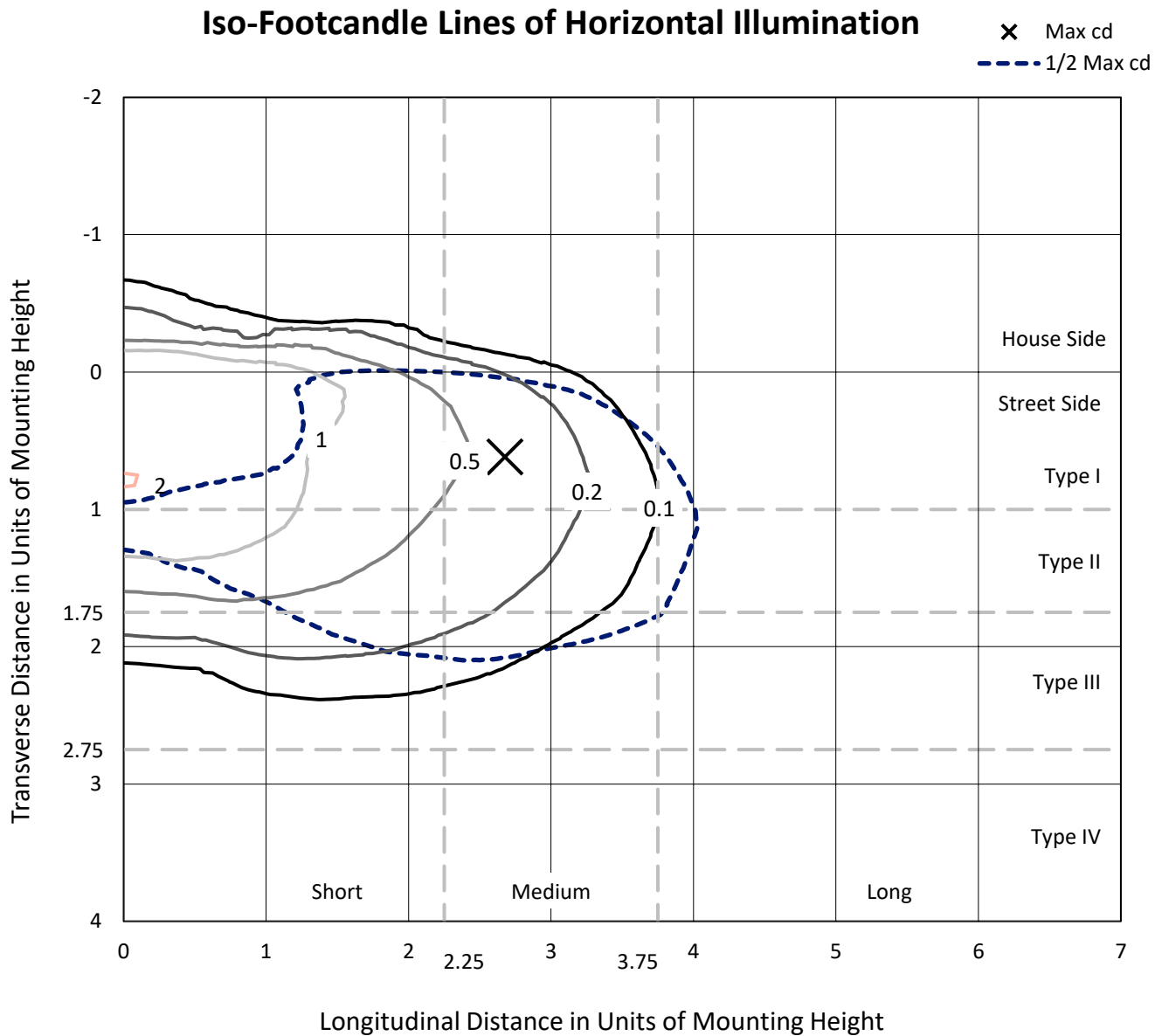
Test Method: LM-79-08  
Report Number: P946296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-727-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6927 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
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



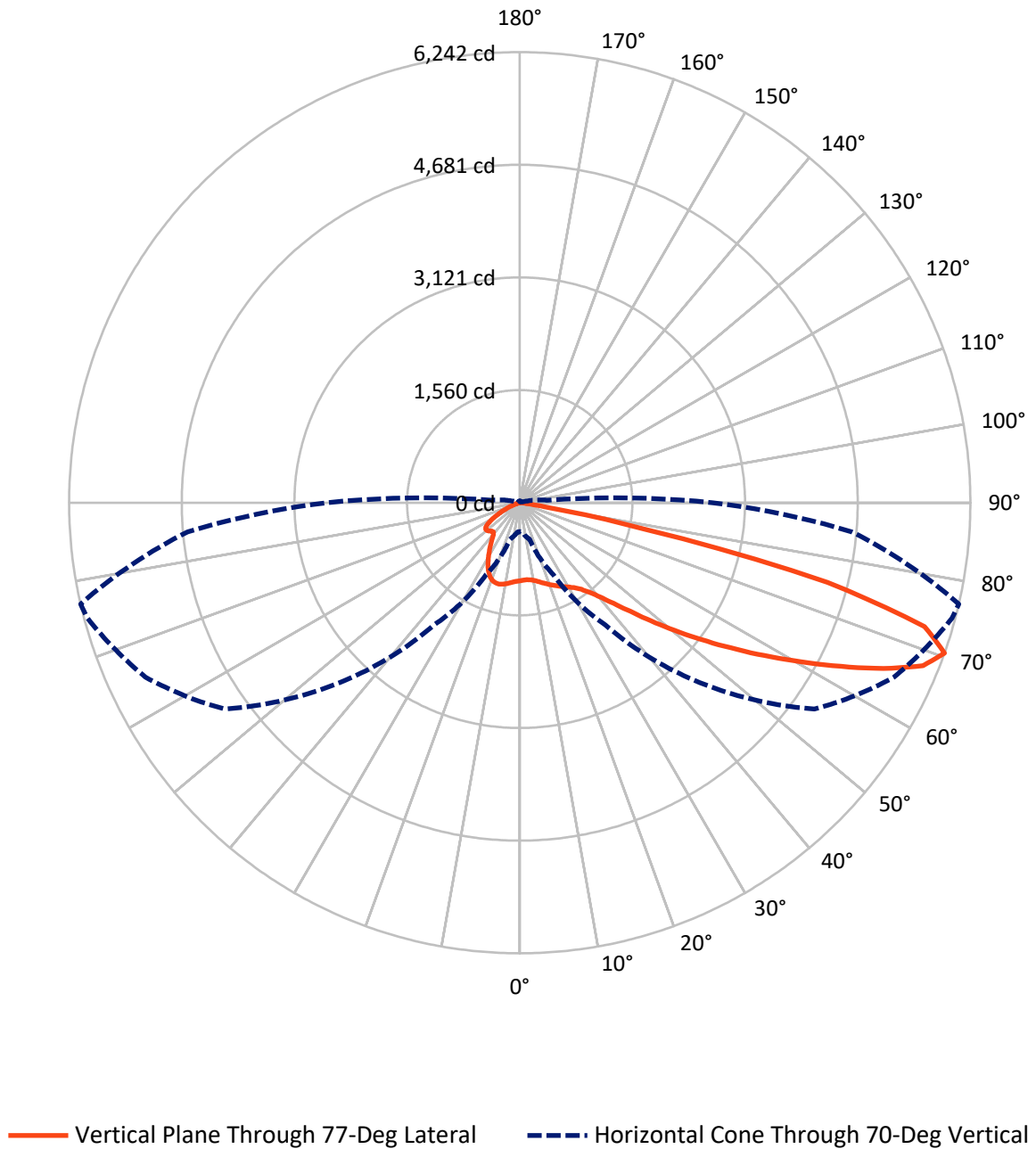
REPORT NUMBER: P946296  
CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
Type III - Medium - N/A

REPORT NUMBER: P946296  
CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P946296

CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 730.2    | 0.0    | 730.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 6196.8   | 0.0    | 6196.8 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 6927.0   | 0.0    | 6927.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.1   | 1.3       |
| 10°-20°   | 221.1  | 3.2       |
| 20°-30°   | 341.9  | 4.9       |
| 30°-40°   | 620.4  | 9.0       |
| 40°-50°   | 1171.1 | 16.9      |
| 50°-60°   | 1692.2 | 24.4      |
| 60°-70°   | 1801.3 | 26.0      |
| 70°-80°   | 954.5  | 13.8      |
| 80°-90°   | 31.3   | 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°    | 6927.0 | 100.0     |
| 0°-180°   | 6927.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P946296

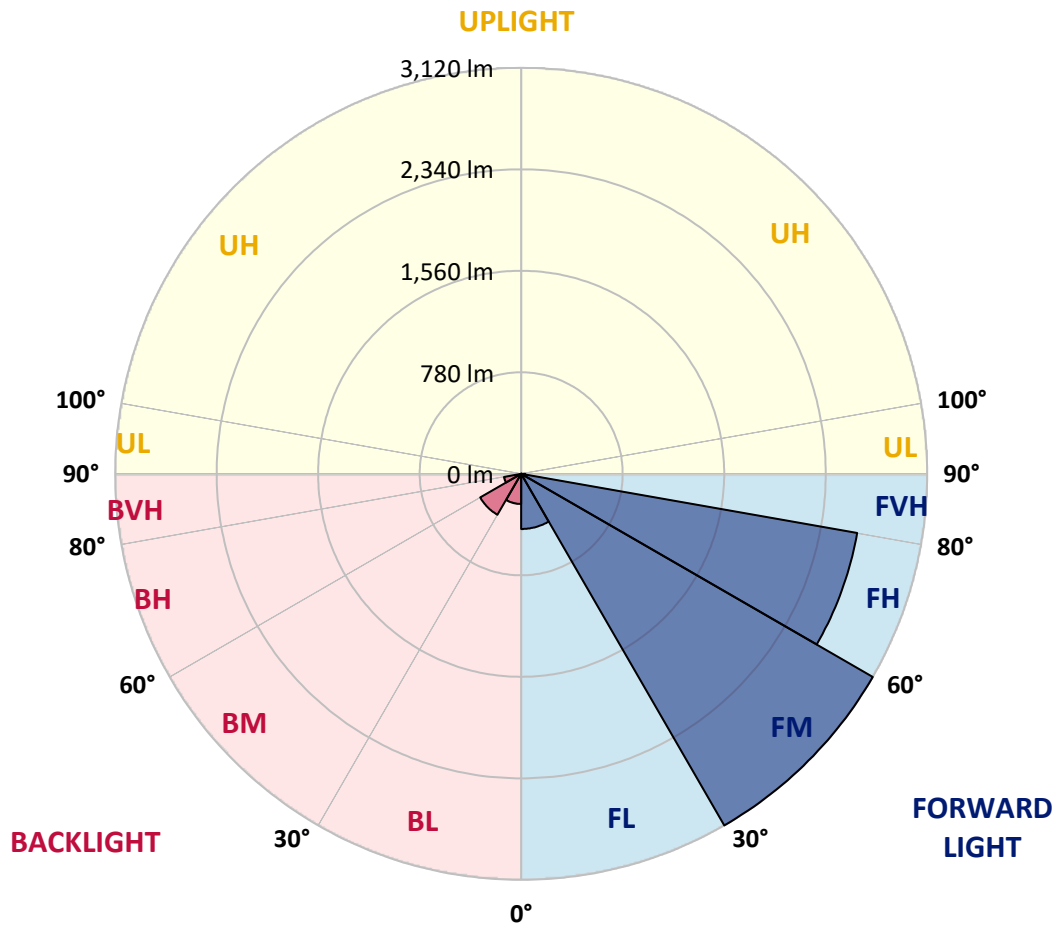
CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 424.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 3120.2 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 2622.0 | 37.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 30.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 232.0  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 363.5  | 5.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 133.9  | 1.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.8    | 0.0       |                         |      | G0/10   |
| 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 Medium



REPORT NUMBER: P946296

CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 |
| 2.5°  | 1014.4 | 1023.6 | 1022.3 | 1028.4 | 1030.6 | 1039.4 | 1048.1 | 1059.9 | 1073.1 | 1072.6 |
| 5°    | 957.1  | 966.3  | 968.5  | 976.8  | 987.3  | 1000.9 | 1018.8 | 1042.4 | 1066.9 | 1070.9 |
| 7.5°  | 889.3  | 898.9  | 904.6  | 921.3  | 940.5  | 968.5  | 997.8  | 1032.4 | 1073.1 | 1078.7 |
| 10°   | 821.5  | 830.3  | 837.7  | 861.3  | 891.9  | 933.5  | 981.2  | 1031.1 | 1085.7 | 1094.0 |
| 12.5° | 779.5  | 787.8  | 796.1  | 816.7  | 854.8  | 905.5  | 970.3  | 1037.2 | 1106.7 | 1118.5 |
| 15°   | 764.7  | 772.1  | 778.7  | 797.0  | 832.5  | 890.2  | 968.1  | 1049.9 | 1133.4 | 1149.2 |
| 17.5° | 766.8  | 770.8  | 775.2  | 789.1  | 823.7  | 883.2  | 972.0  | 1071.7 | 1164.9 | 1178.9 |
| 20°   | 779.5  | 781.7  | 782.2  | 791.8  | 822.4  | 882.3  | 979.9  | 1092.7 | 1194.7 | 1213.5 |
| 22.5° | 795.7  | 796.6  | 795.7  | 802.3  | 830.7  | 888.9  | 990.4  | 1118.1 | 1227.9 | 1245.4 |
| 25°   | 871.4  | 854.8  | 833.8  | 821.1  | 844.7  | 901.6  | 1006.1 | 1152.2 | 1264.2 | 1281.3 |
| 27.5° | 1106.3 | 1058.6 | 983.4  | 898.9  | 873.6  | 919.9  | 1028.0 | 1186.8 | 1301.0 | 1316.3 |
| 30°   | 1487.7 | 1425.2 | 1297.5 | 1107.2 | 966.3  | 958.4  | 1056.4 | 1221.3 | 1339.9 | 1356.5 |
| 32.5° | 1870.1 | 1854.8 | 1707.3 | 1444.0 | 1175.0 | 1044.2 | 1103.7 | 1268.2 | 1391.5 | 1404.6 |
| 35°   | 2256.8 | 2225.7 | 2105.0 | 1844.7 | 1496.5 | 1218.7 | 1182.4 | 1329.4 | 1459.3 | 1474.2 |
| 37.5° | 2552.9 | 2534.1 | 2459.3 | 2245.0 | 1877.9 | 1488.2 | 1317.1 | 1424.3 | 1557.7 | 1574.4 |
| 40°   | 2814.5 | 2805.8 | 2780.4 | 2639.1 | 2304.5 | 1840.8 | 1526.7 | 1571.3 | 1694.2 | 1713.9 |
| 42.5° | 3020.1 | 3040.7 | 3055.1 | 3015.7 | 2744.1 | 2243.2 | 1808.4 | 1777.8 | 1884.5 | 1904.6 |
| 45°   | 3230.5 | 3237.5 | 3295.7 | 3352.6 | 3180.7 | 2664.0 | 2126.0 | 2019.7 | 2121.2 | 2146.1 |
| 47.5° | 3365.7 | 3393.7 | 3496.1 | 3596.2 | 3547.7 | 3081.4 | 2467.2 | 2305.3 | 2395.4 | 2442.3 |
| 50°   | 3375.8 | 3428.7 | 3569.5 | 3744.1 | 3814.9 | 3478.6 | 2838.1 | 2630.8 | 2726.6 | 2778.2 |
| 52.5° | 3208.2 | 3290.5 | 3508.7 | 3764.2 | 3959.3 | 3814.9 | 3221.8 | 2956.2 | 3079.2 | 3146.5 |
| 55°   | 2459.7 | 2567.4 | 3280.0 | 3654.8 | 3965.0 | 4070.0 | 3595.4 | 3295.3 | 3472.0 | 3548.1 |
| 57.5° | 2143.0 | 2197.3 | 2578.7 | 3465.0 | 3859.6 | 4172.8 | 3933.1 | 3618.1 | 3899.4 | 3993.9 |
| 60°   | 1783.0 | 1854.3 | 2162.7 | 3154.4 | 3716.5 | 4182.8 | 4231.4 | 4034.5 | 4362.6 | 4468.9 |
| 62.5° | 1211.7 | 1289.1 | 1595.8 | 2620.7 | 3521.0 | 4178.0 | 4475.9 | 4463.2 | 4877.5 | 4991.7 |
| 65°   | 750.7  | 799.2  | 1001.3 | 2140.0 | 3247.6 | 4183.3 | 4731.8 | 4983.8 | 5420.8 | 5536.7 |
| 67.5° | 593.2  | 615.5  | 720.9  | 1643.0 | 2776.5 | 4065.2 | 4987.3 | 5473.3 | 5932.2 | 6024.0 |
| 70°   | 398.5  | 412.1  | 524.5  | 1101.5 | 2065.6 | 3520.1 | 4982.5 | 5719.1 | 6195.5 | 6241.5 |
| 72.5° | 210.0  | 220.5  | 306.6  | 510.1  | 1247.6 | 2502.2 | 4199.9 | 5425.2 | 5933.5 | 5864.4 |
| 75°   | 105.0  | 122.5  | 206.5  | 259.0  | 532.8  | 1395.4 | 2608.0 | 4277.3 | 4670.2 | 4402.4 |
| 77.5° | 79.6   | 96.2   | 170.6  | 170.6  | 185.5  | 469.8  | 1104.5 | 2332.9 | 2151.8 | 1791.8 |
| 80°   | 50.7   | 65.6   | 149.2  | 129.0  | 77.4   | 119.4  | 287.8  | 653.5  | 457.1  | 347.8  |
| 82.5° | 29.7   | 42.9   | 124.2  | 85.3   | 43.3   | 44.2   | 81.4   | 139.1  | 118.5  | 92.3   |
| 85°   | 11.8   | 28.0   | 85.3   | 33.7   | 17.1   | 10.9   | 24.5   | 29.7   | 24.5   | 18.4   |
| 87.5° | 0.0    | 6.6    | 14.9   | 0.0    | 1.3    | 0.9    | 1.7    | 2.2    | 2.2    | 1.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P946296

CATALOG NUMBER: GLAN-SB2A-727-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1080.5 | 0°    | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 |
| 1081.4 | 2.5°  | 1085.3 | 1086.2 | 1088.8 | 1089.2 | 1083.1 | 1075.2 | 1072.2 | 1070.9 | 1065.6 | 1065.2 |
| 1088.4 | 5°    | 1098.4 | 1102.4 | 1098.4 | 1087.0 | 1059.9 | 1021.9 | 993.0  | 969.4  | 947.9  | 941.4  |
| 1112.4 | 7.5°  | 1124.7 | 1128.6 | 1116.8 | 1072.2 | 1003.9 | 928.3  | 860.0  | 811.9  | 768.6  | 752.4  |
| 1141.7 | 10°   | 1162.3 | 1167.5 | 1130.4 | 1040.2 | 919.5  | 797.9  | 682.4  | 601.0  | 537.6  | 511.8  |
| 1181.5 | 12.5° | 1209.5 | 1211.7 | 1137.8 | 991.7  | 809.7  | 636.0  | 472.4  | 385.4  | 329.0  | 308.0  |
| 1229.7 | 15°   | 1261.6 | 1258.5 | 1138.7 | 925.6  | 660.1  | 449.7  | 308.4  | 253.3  | 230.5  | 223.5  |
| 1277.8 | 17.5° | 1316.3 | 1303.6 | 1121.2 | 830.3  | 496.1  | 307.5  | 228.8  | 215.7  | 211.7  | 210.0  |
| 1325.5 | 20°   | 1370.1 | 1341.6 | 1089.2 | 705.6  | 356.1  | 229.7  | 207.8  | 203.8  | 201.7  | 200.8  |
| 1373.6 | 22.5° | 1419.1 | 1370.5 | 1034.6 | 560.8  | 258.5  | 203.0  | 196.4  | 192.9  | 189.0  | 187.2  |
| 1420.4 | 25°   | 1466.8 | 1387.1 | 957.6  | 425.6  | 206.9  | 189.9  | 184.6  | 178.0  | 172.8  | 170.6  |
| 1470.7 | 27.5° | 1513.1 | 1397.6 | 861.3  | 315.0  | 184.6  | 177.6  | 168.0  | 158.8  | 154.9  | 154.0  |
| 1524.5 | 30°   | 1562.6 | 1401.1 | 752.0  | 234.9  | 171.0  | 162.3  | 148.3  | 137.8  | 135.6  | 136.0  |
| 1597.1 | 32.5° | 1622.9 | 1406.4 | 641.7  | 192.5  | 159.7  | 143.9  | 127.3  | 116.4  | 114.6  | 116.4  |
| 1703.0 | 35°   | 1695.1 | 1416.9 | 535.4  | 177.2  | 149.6  | 125.1  | 107.2  | 98.0   | 96.2   | 97.6   |
| 1838.6 | 37.5° | 1793.1 | 1433.9 | 436.1  | 174.1  | 141.3  | 109.4  | 90.1   | 82.7   | 82.7   | 83.1   |
| 2004.8 | 40°   | 1923.4 | 1479.4 | 347.3  | 171.9  | 136.9  | 97.6   | 76.1   | 73.1   | 74.4   | 75.2   |
| 2216.5 | 42.5° | 2082.2 | 1576.1 | 287.4  | 169.3  | 132.1  | 92.3   | 69.1   | 67.8   | 70.0   | 70.9   |
| 2470.2 | 45°   | 2260.3 | 1698.6 | 266.4  | 164.9  | 127.7  | 95.8   | 66.1   | 64.3   | 66.9   | 67.4   |
| 2754.6 | 47.5° | 2444.4 | 1818.5 | 263.8  | 160.1  | 123.4  | 101.0  | 65.2   | 61.2   | 64.3   | 64.7   |
| 3058.2 | 50°   | 2630.8 | 1896.8 | 266.4  | 152.7  | 116.4  | 101.0  | 65.6   | 58.2   | 60.8   | 62.1   |
| 3373.1 | 52.5° | 2818.5 | 1932.6 | 264.7  | 136.5  | 104.1  | 94.9   | 65.6   | 55.6   | 58.2   | 59.1   |
| 3713.5 | 55°   | 3000.4 | 1925.6 | 238.0  | 112.4  | 88.4   | 84.0   | 63.9   | 53.4   | 55.1   | 55.6   |
| 4035.0 | 57.5° | 3144.3 | 1828.1 | 188.5  | 87.5   | 71.7   | 70.0   | 58.2   | 50.7   | 52.1   | 51.6   |
| 4329.8 | 60°   | 3219.6 | 1613.7 | 134.7  | 67.4   | 56.4   | 55.1   | 51.2   | 47.2   | 48.1   | 45.9   |
| 4579.6 | 62.5° | 3220.5 | 1330.3 | 90.1   | 53.4   | 45.1   | 43.7   | 43.7   | 42.4   | 41.6   | 37.2   |
| 4773.0 | 65°   | 3151.8 | 1015.7 | 59.9   | 42.4   | 36.3   | 34.1   | 36.7   | 36.3   | 33.2   | 27.1   |
| 4832.0 | 67.5° | 2996.1 | 665.8  | 45.5   | 33.2   | 28.0   | 26.7   | 29.3   | 30.6   | 28.4   | 22.7   |
| 4616.8 | 70°   | 2675.8 | 387.6  | 37.6   | 25.8   | 21.0   | 19.7   | 23.6   | 26.2   | 23.6   | 18.4   |
| 3946.2 | 72.5° | 2222.7 | 209.1  | 30.6   | 19.2   | 14.4   | 13.1   | 18.8   | 21.4   | 18.8   | 13.6   |
| 2531.9 | 75°   | 1442.3 | 112.0  | 23.6   | 12.7   | 7.4    | 8.3    | 14.0   | 15.7   | 13.1   | 8.7    |
| 743.2  | 77.5° | 484.3  | 49.4   | 14.9   | 6.1    | 3.5    | 3.5    | 8.3    | 9.6    | 6.1    | 3.1    |
| 135.2  | 80°   | 108.0  | 20.6   | 6.1    | 2.6    | 1.3    | 1.3    | 1.7    | 1.7    | 0.9    | 0.0    |
| 41.6   | 82.5° | 35.4   | 8.3    | 2.6    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.5   | 85°   | 13.6   | 3.1    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 3.5    | 87.5° | 5.2    | 0.4    | 0.0    | 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    |

(END O

| 180°   |
|--------|
| 1080.5 |
| 1066.1 |
| 937.4  |
| 745.8  |
| 500.9  |
| 301.4  |
| 223.5  |
| 209.5  |
| 199.9  |
| 186.8  |
| 169.7  |
| 153.1  |
| 136.0  |
| 115.9  |
| 97.1   |
| 82.7   |
| 75.2   |
| 70.9   |
| 67.8   |
| 65.2   |
| 62.6   |
| 59.1   |
| 55.6   |
| 51.6   |
| 45.5   |
| 35.9   |
| 26.2   |
| 22.3   |
| 17.5   |
| 13.1   |
| 7.9    |
| 2.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

F REPORT)