

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: P939449

Luminaire Tested: **GLAN-SB2A-750-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-750-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9380 lumens  
Efficiency: N/A  
Efficacy: 163.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - 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

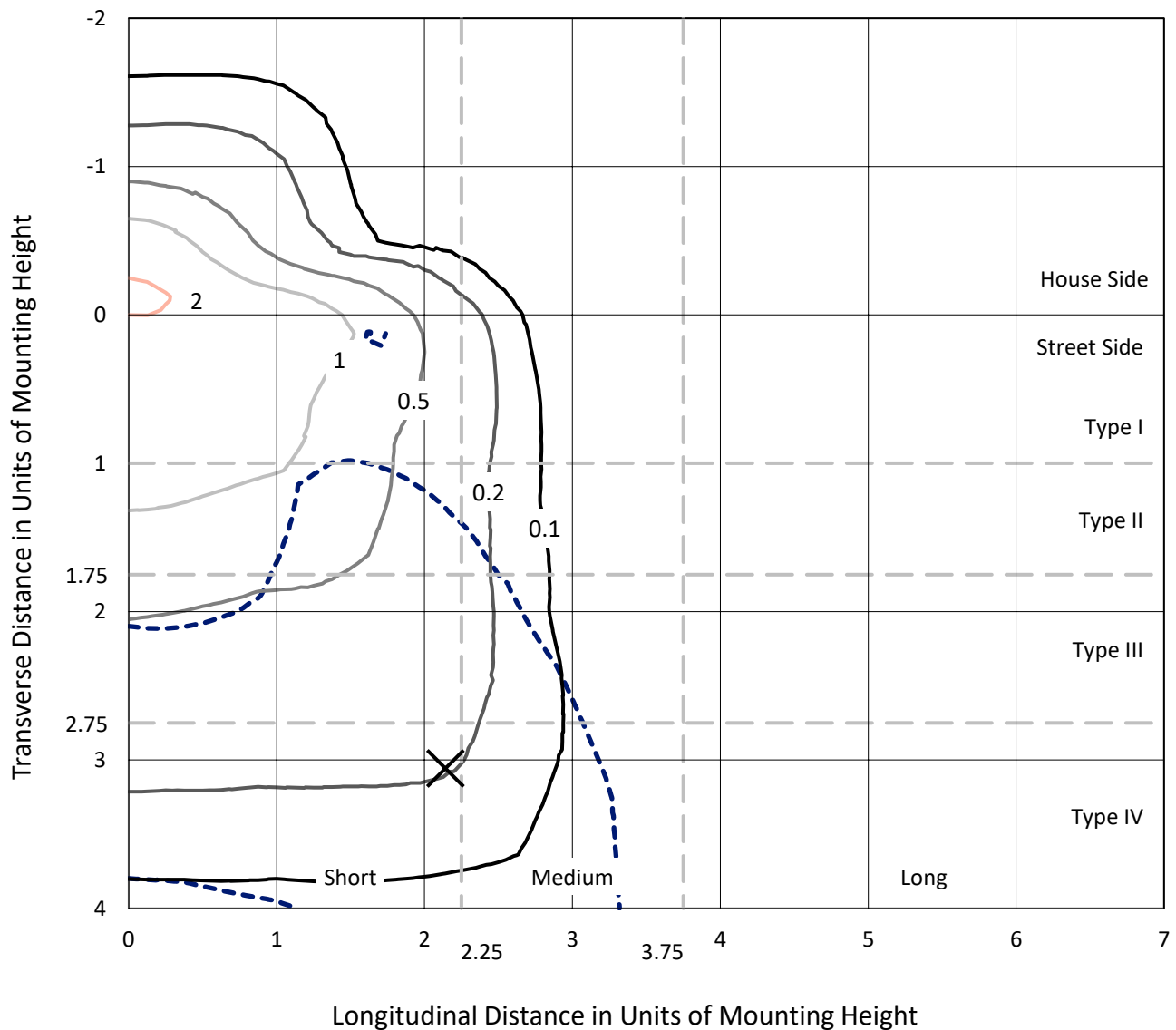


REPORT NUMBER: P939449

CATALOG NUMBER: GLAN-SB2A-750-U-T4FT

## Iso-Footcandle Lines of Horizontal Illumination

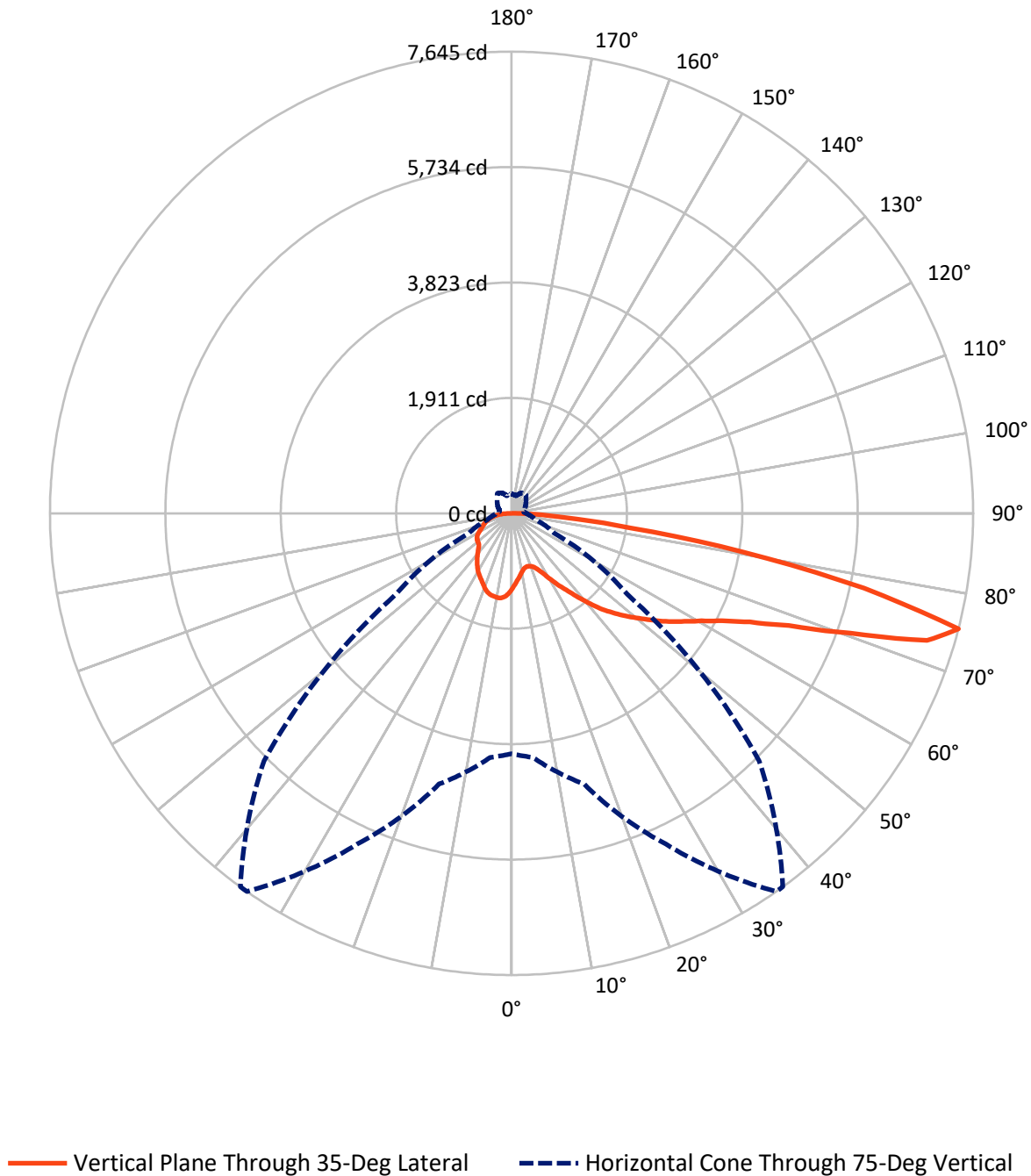
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
Type IV - Short - N/A

REPORT NUMBER: P939449  
CATALOG NUMBER: GLAN-SB2A-750-U-T4FT

## Luminous Intensity Polar Plot



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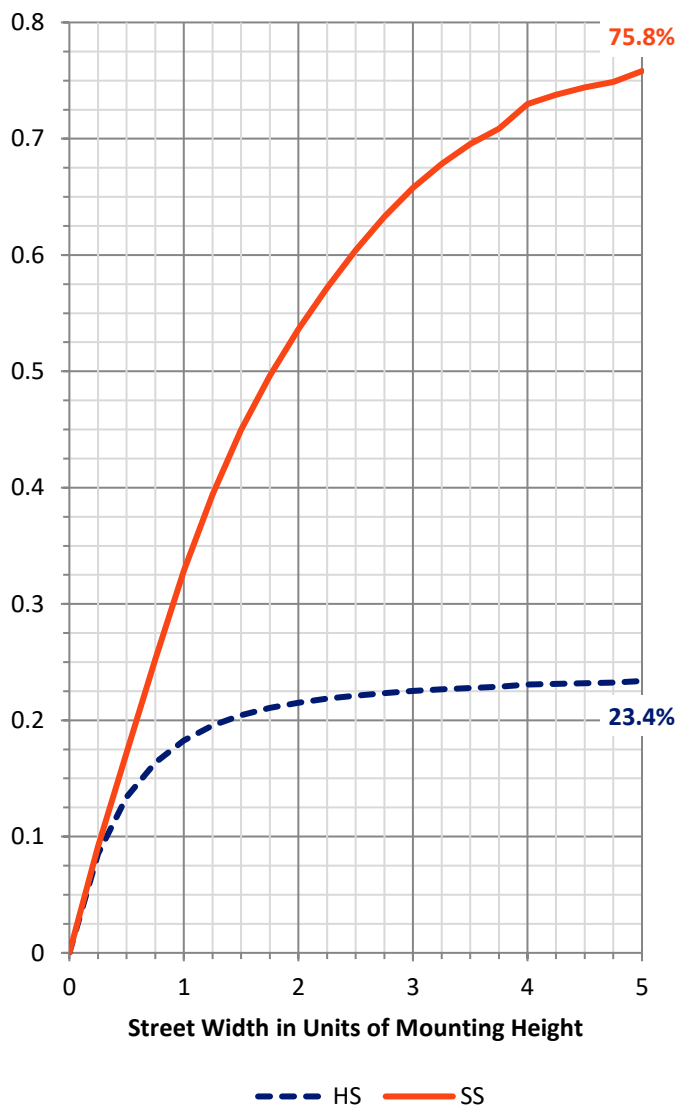
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2232.2   | 0.0    | 2232.2 |
|                    | % Fixture | 23.8     | 0.0    | 23.8   |
| <b>Street Side</b> | Lumens    | 7147.8   | 0.0    | 7147.8 |
|                    | % Fixture | 76.2     | 0.0    | 76.2   |
| <b>Total</b>       | Lumens    | 9380.0   | 0.0    | 9380.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 118.3  | 1.3       |
| 10°-20°   | 341.4  | 3.6       |
| 20°-30°   | 573.2  | 6.1       |
| 30°-40°   | 890.9  | 9.5       |
| 40°-50°   | 1322.3 | 14.1      |
| 50°-60°   | 1825.5 | 19.5      |
| 60°-70°   | 2214.8 | 23.6      |
| 70°-80°   | 1830.3 | 19.5      |
| 80°-90°   | 263.3  | 2.8       |
| 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°    | 9380.0 | 100.0     |
| 0°-180°   | 9380.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939449

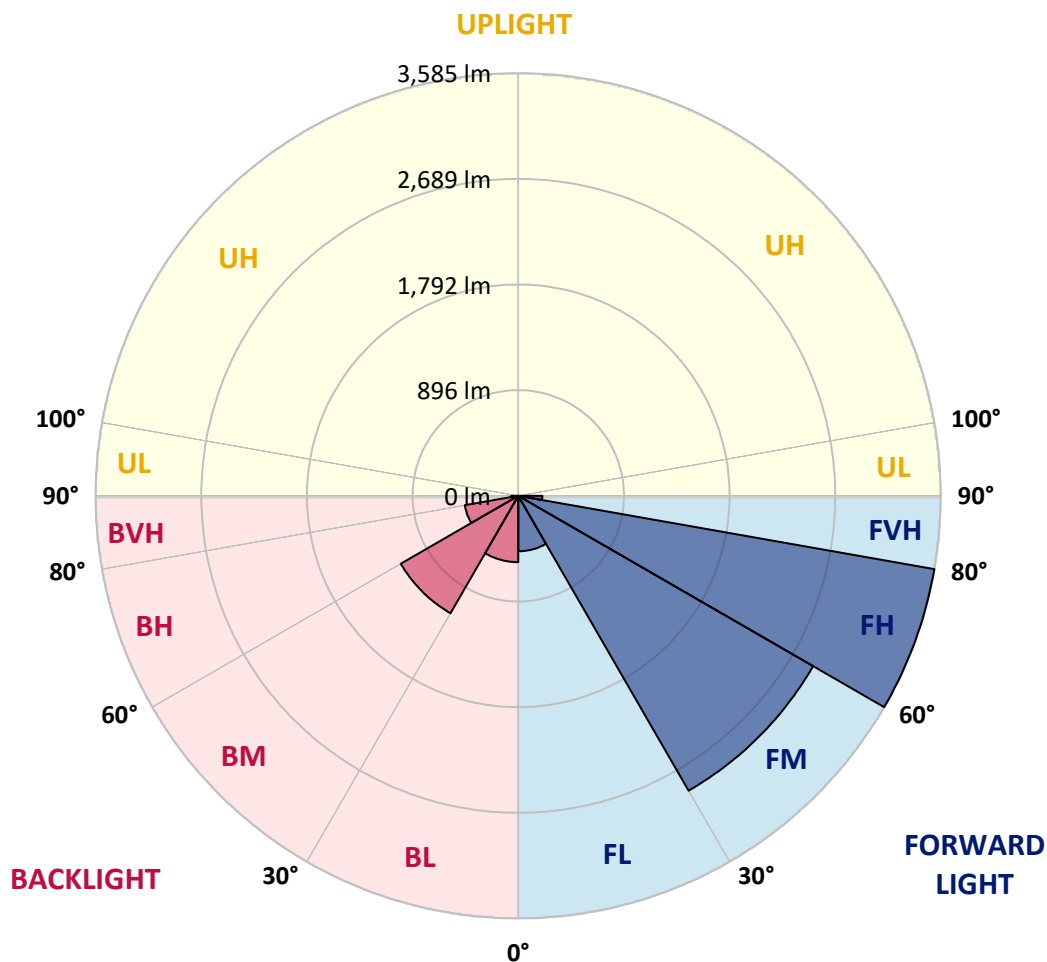
CATALOG NUMBER: GLAN-SB2A-750-U-T4FT

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 470.4  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 2888.5 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 3584.9 | 38.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 204.0  | 2.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 562.5  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1150.2 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 460.2  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 59.3   | 0.6       |                         |      | 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 Short



REPORT NUMBER: P939449

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 36°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 |
| 2.5°  | 1152.6 | 1159.7 | 1162.7 | 1161.2 | 1168.8 | 1167.8 | 1178.5 | 1191.6 | 1209.9 | 1227.6 |
| 5°    | 1063.9 | 1071.5 | 1078.0 | 1084.1 | 1098.8 | 1103.4 | 1120.1 | 1145.5 | 1179.0 | 1212.9 |
| 7.5°  | 981.2  | 987.8  | 997.9  | 1009.1 | 1033.9 | 1038.5 | 1066.4 | 1105.9 | 1152.6 | 1202.3 |
| 10°   | 913.8  | 920.3  | 931.0  | 943.7  | 974.6  | 980.2  | 1015.7 | 1068.4 | 1129.3 | 1192.1 |
| 12.5° | 884.9  | 886.9  | 893.0  | 905.6  | 932.5  | 936.1  | 975.1  | 1035.5 | 1106.4 | 1184.5 |
| 15°   | 883.3  | 887.4  | 887.9  | 894.5  | 916.8  | 918.3  | 954.3  | 1014.2 | 1092.2 | 1183.0 |
| 17.5° | 898.5  | 901.6  | 897.0  | 901.1  | 919.8  | 922.4  | 950.8  | 1004.0 | 1087.7 | 1189.6 |
| 20°   | 939.1  | 941.6  | 928.0  | 922.4  | 936.1  | 938.1  | 966.0  | 1010.6 | 1092.2 | 1203.3 |
| 22.5° | 1025.3 | 1026.8 | 993.4  | 970.5  | 971.6  | 972.6  | 996.9  | 1037.5 | 1110.0 | 1228.1 |
| 25°   | 1159.7 | 1158.7 | 1105.4 | 1061.3 | 1036.0 | 1030.4 | 1046.6 | 1081.1 | 1139.9 | 1261.1 |
| 27.5° | 1316.9 | 1309.3 | 1256.0 | 1190.1 | 1134.8 | 1126.7 | 1123.2 | 1137.9 | 1182.5 | 1304.7 |
| 30°   | 1494.4 | 1487.3 | 1430.0 | 1343.8 | 1267.2 | 1254.0 | 1220.5 | 1212.9 | 1245.9 | 1364.0 |
| 32.5° | 1689.1 | 1684.5 | 1616.1 | 1511.6 | 1409.2 | 1394.0 | 1337.7 | 1317.4 | 1343.3 | 1453.8 |
| 35°   | 1852.4 | 1848.3 | 1791.5 | 1684.0 | 1558.8 | 1540.0 | 1482.7 | 1459.9 | 1473.1 | 1568.9 |
| 37.5° | 1999.9 | 1997.9 | 1949.2 | 1864.5 | 1735.2 | 1712.4 | 1648.0 | 1640.4 | 1637.9 | 1720.5 |
| 40°   | 2136.8 | 2131.8 | 2081.1 | 2036.4 | 1940.6 | 1919.8 | 1863.0 | 1856.4 | 1837.1 | 1907.1 |
| 42.5° | 2288.4 | 2275.3 | 2201.7 | 2180.9 | 2155.1 | 2137.8 | 2103.9 | 2104.9 | 2062.3 | 2117.6 |
| 45°   | 2412.2 | 2404.6 | 2329.0 | 2316.8 | 2344.7 | 2337.6 | 2367.0 | 2374.6 | 2292.0 | 2338.1 |
| 47.5° | 2545.0 | 2537.9 | 2474.0 | 2465.4 | 2541.0 | 2543.0 | 2646.9 | 2649.5 | 2516.1 | 2567.3 |
| 50°   | 2708.8 | 2698.7 | 2635.3 | 2645.9 | 2730.6 | 2738.2 | 2928.4 | 2911.1 | 2722.5 | 2800.1 |
| 52.5° | 2816.8 | 2822.9 | 2809.2 | 2826.5 | 2942.1 | 2949.2 | 3205.2 | 3161.1 | 2926.9 | 3029.8 |
| 55°   | 2896.4 | 2908.6 | 2951.2 | 2990.7 | 3165.2 | 3172.3 | 3466.4 | 3398.9 | 3096.2 | 3242.8 |
| 57.5° | 2998.9 | 2981.6 | 3061.2 | 3138.3 | 3377.1 | 3395.9 | 3720.4 | 3628.1 | 3246.3 | 3426.3 |
| 60°   | 3145.9 | 3133.7 | 3195.6 | 3309.7 | 3614.5 | 3644.4 | 3989.2 | 3834.5 | 3356.4 | 3571.9 |
| 62.5° | 3444.1 | 3413.7 | 3423.3 | 3524.2 | 3913.6 | 3953.2 | 4292.4 | 4014.5 | 3411.1 | 3628.7 |
| 65°   | 3889.8 | 3837.6 | 3788.9 | 3858.9 | 4335.0 | 4374.1 | 4634.7 | 4156.0 | 3390.8 | 3518.6 |
| 67.5° | 4451.1 | 4399.4 | 4339.6 | 4405.5 | 4955.7 | 4986.6 | 5057.1 | 4235.6 | 3231.1 | 3094.7 |
| 70°   | 4914.1 | 4894.8 | 4966.3 | 5237.6 | 5947.0 | 5948.0 | 5598.7 | 4169.7 | 2793.5 | 2194.1 |
| 72.5° | 4852.7 | 4841.1 | 5217.8 | 6056.5 | 7196.5 | 7169.6 | 6111.3 | 3670.7 | 1881.8 | 989.8  |
| 75°   | 3981.1 | 4056.6 | 4640.3 | 6041.8 | 7645.2 | 7641.7 | 5797.4 | 2333.6 | 778.4  | 410.2  |
| 77.5° | 2134.8 | 2254.5 | 3012.6 | 4460.8 | 5968.3 | 6058.1 | 4075.9 | 816.4  | 334.2  | 262.7  |
| 80°   | 696.2  | 800.7  | 1200.8 | 2271.2 | 3878.1 | 3861.4 | 1746.9 | 320.5  | 228.7  | 186.1  |
| 82.5° | 295.6  | 307.8  | 536.5  | 1072.5 | 1990.3 | 1959.4 | 556.3  | 184.1  | 160.7  | 127.3  |
| 85°   | 115.6  | 129.3  | 236.8  | 495.9  | 862.0  | 843.3  | 200.8  | 91.3   | 102.9  | 83.2   |
| 87.5° | 38.0   | 46.1   | 84.7   | 169.9  | 268.2  | 258.6  | 49.2   | 31.4   | 44.6   | 38.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939449

CATALOG NUMBER: GLAN-SB2A-750-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1249.9 | 0°    | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 | 1249.9 |
| 1253.5 | 2.5°  | 1260.6 | 1268.7 | 1278.3 | 1292.5 | 1304.7 | 1314.9 | 1325.5 | 1332.1 | 1334.6 | 1342.2 |
| 1255.5 | 5°    | 1269.7 | 1287.5 | 1311.3 | 1334.6 | 1357.4 | 1371.1 | 1383.3 | 1389.4 | 1395.0 | 1399.0 |
| 1261.1 | 7.5°  | 1284.9 | 1307.8 | 1345.3 | 1375.7 | 1395.0 | 1406.1 | 1414.2 | 1412.2 | 1414.2 | 1415.3 |
| 1267.2 | 10°   | 1298.1 | 1330.1 | 1374.7 | 1403.6 | 1418.3 | 1418.8 | 1416.8 | 1409.7 | 1406.1 | 1406.6 |
| 1276.3 | 12.5° | 1313.8 | 1349.3 | 1397.5 | 1421.8 | 1425.9 | 1414.7 | 1406.1 | 1394.0 | 1389.4 | 1387.4 |
| 1290.0 | 15°   | 1335.1 | 1375.7 | 1422.4 | 1431.5 | 1421.3 | 1407.1 | 1392.4 | 1372.7 | 1362.5 | 1354.4 |
| 1313.3 | 17.5° | 1361.0 | 1405.6 | 1441.6 | 1435.0 | 1413.2 | 1389.9 | 1366.1 | 1336.2 | 1315.4 | 1306.7 |
| 1345.3 | 20°   | 1397.0 | 1437.1 | 1456.3 | 1427.4 | 1394.5 | 1359.0 | 1318.4 | 1281.9 | 1262.6 | 1254.0 |
| 1385.8 | 22.5° | 1440.6 | 1479.1 | 1470.5 | 1414.2 | 1367.6 | 1310.8 | 1260.1 | 1233.2 | 1223.6 | 1217.5 |
| 1438.1 | 25°   | 1492.8 | 1525.8 | 1480.7 | 1395.0 | 1323.5 | 1246.9 | 1207.9 | 1199.2 | 1194.7 | 1190.1 |
| 1502.0 | 27.5° | 1560.8 | 1578.5 | 1488.3 | 1366.6 | 1254.5 | 1179.0 | 1164.8 | 1166.3 | 1164.8 | 1157.2 |
| 1590.7 | 30°   | 1650.5 | 1647.0 | 1495.4 | 1320.4 | 1175.4 | 1117.6 | 1118.6 | 1125.2 | 1126.2 | 1121.2 |
| 1714.4 | 32.5° | 1768.7 | 1732.7 | 1498.9 | 1260.6 | 1099.9 | 1063.9 | 1064.9 | 1072.0 | 1077.0 | 1068.4 |
| 1876.2 | 35°   | 1911.7 | 1832.6 | 1493.3 | 1185.5 | 1041.5 | 1012.6 | 1005.0 | 1007.1 | 1008.6 | 1000.5 |
| 2072.4 | 37.5° | 2078.5 | 1944.6 | 1468.5 | 1102.4 | 993.4  | 962.4  | 946.2  | 932.5  | 924.4  | 916.8  |
| 2294.5 | 40°   | 2261.6 | 2066.9 | 1422.9 | 1021.3 | 939.6  | 909.2  | 884.9  | 859.0  | 831.6  | 821.5  |
| 2529.8 | 42.5° | 2453.2 | 2192.6 | 1367.6 | 943.7  | 877.8  | 852.9  | 827.0  | 789.5  | 748.4  | 727.7  |
| 2774.2 | 45°   | 2652.0 | 2321.4 | 1313.3 | 867.1  | 814.4  | 803.7  | 773.8  | 728.7  | 684.0  | 657.7  |
| 3019.1 | 47.5° | 2846.7 | 2443.1 | 1233.7 | 790.0  | 755.0  | 766.7  | 743.4  | 701.8  | 652.1  | 610.5  |
| 3262.0 | 50°   | 3032.8 | 2557.2 | 1103.4 | 711.9  | 706.9  | 755.5  | 733.2  | 673.4  | 616.6  | 563.4  |
| 3500.4 | 52.5° | 3217.4 | 2649.5 | 936.6  | 640.9  | 681.0  | 752.5  | 720.1  | 654.1  | 584.7  | 528.9  |
| 3724.5 | 55°   | 3374.1 | 2697.2 | 775.8  | 580.1  | 643.5  | 726.6  | 704.3  | 631.3  | 539.5  | 480.2  |
| 3878.1 | 57.5° | 3463.3 | 2658.6 | 642.0  | 520.3  | 591.8  | 684.0  | 677.5  | 582.6  | 485.8  | 440.1  |
| 3908.1 | 60°   | 3424.8 | 2502.4 | 532.4  | 468.0  | 542.6  | 637.9  | 630.8  | 534.5  | 444.7  | 401.6  |
| 3747.8 | 62.5° | 3212.3 | 2204.8 | 445.7  | 422.4  | 498.0  | 590.7  | 584.2  | 497.4  | 413.3  | 371.7  |
| 3322.4 | 65°   | 2784.4 | 1793.5 | 378.3  | 384.4  | 452.8  | 534.0  | 543.6  | 466.5  | 388.4  | 347.9  |
| 2570.4 | 67.5° | 2123.6 | 1299.1 | 325.5  | 351.4  | 408.7  | 478.2  | 506.1  | 444.2  | 367.6  | 329.1  |
| 1487.3 | 70°   | 1210.4 | 737.8  | 280.9  | 319.5  | 369.7  | 426.5  | 477.2  | 426.5  | 345.3  | 313.4  |
| 557.3  | 72.5° | 458.9  | 338.7  | 242.9  | 287.5  | 332.1  | 382.8  | 445.2  | 398.6  | 319.5  | 295.6  |
| 288.0  | 75°   | 244.9  | 206.4  | 204.4  | 250.0  | 289.0  | 340.2  | 405.2  | 371.2  | 300.2  | 312.4  |
| 199.3  | 77.5° | 166.8  | 146.0  | 170.9  | 214.0  | 241.9  | 293.1  | 362.6  | 329.6  | 260.1  | 259.1  |
| 137.9  | 80°   | 115.6  | 103.4  | 138.9  | 172.4  | 187.1  | 246.4  | 316.4  | 282.9  | 212.0  | 197.8  |
| 85.2   | 82.5° | 69.5   | 67.4   | 104.0  | 128.8  | 132.3  | 190.2  | 262.2  | 237.3  | 173.4  | 151.1  |
| 50.7   | 85°   | 38.0   | 40.1   | 66.4   | 75.6   | 77.1   | 132.9  | 205.4  | 183.6  | 133.4  | 112.1  |
| 18.3   | 87.5° | 10.6   | 13.7   | 24.3   | 29.9   | 37.0   | 69.0   | 122.2  | 109.0  | 66.9   | 46.7   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 1249.9 |
| 1341.7 |
| 1400.0 |
| 1416.8 |
| 1407.6 |
| 1386.4 |
| 1356.9 |
| 1307.2 |
| 1253.0 |
| 1218.5 |
| 1190.1 |
| 1158.7 |
| 1123.7 |
| 1072.5 |
| 1006.0 |
| 921.9  |
| 826.0  |
| 730.2  |
| 655.7  |
| 606.0  |
| 558.8  |
| 522.8  |
| 475.1  |
| 434.1  |
| 395.5  |
| 365.1  |
| 341.3  |
| 323.0  |
| 309.3  |
| 291.6  |
| 322.5  |
| 238.8  |
| 189.1  |
| 152.1  |
| 113.1  |
| 46.7   |
| 0.0    |