

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: P947808

Luminaire Tested: **GLAN-SB3A-750-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947808  
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-SB3A-750-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

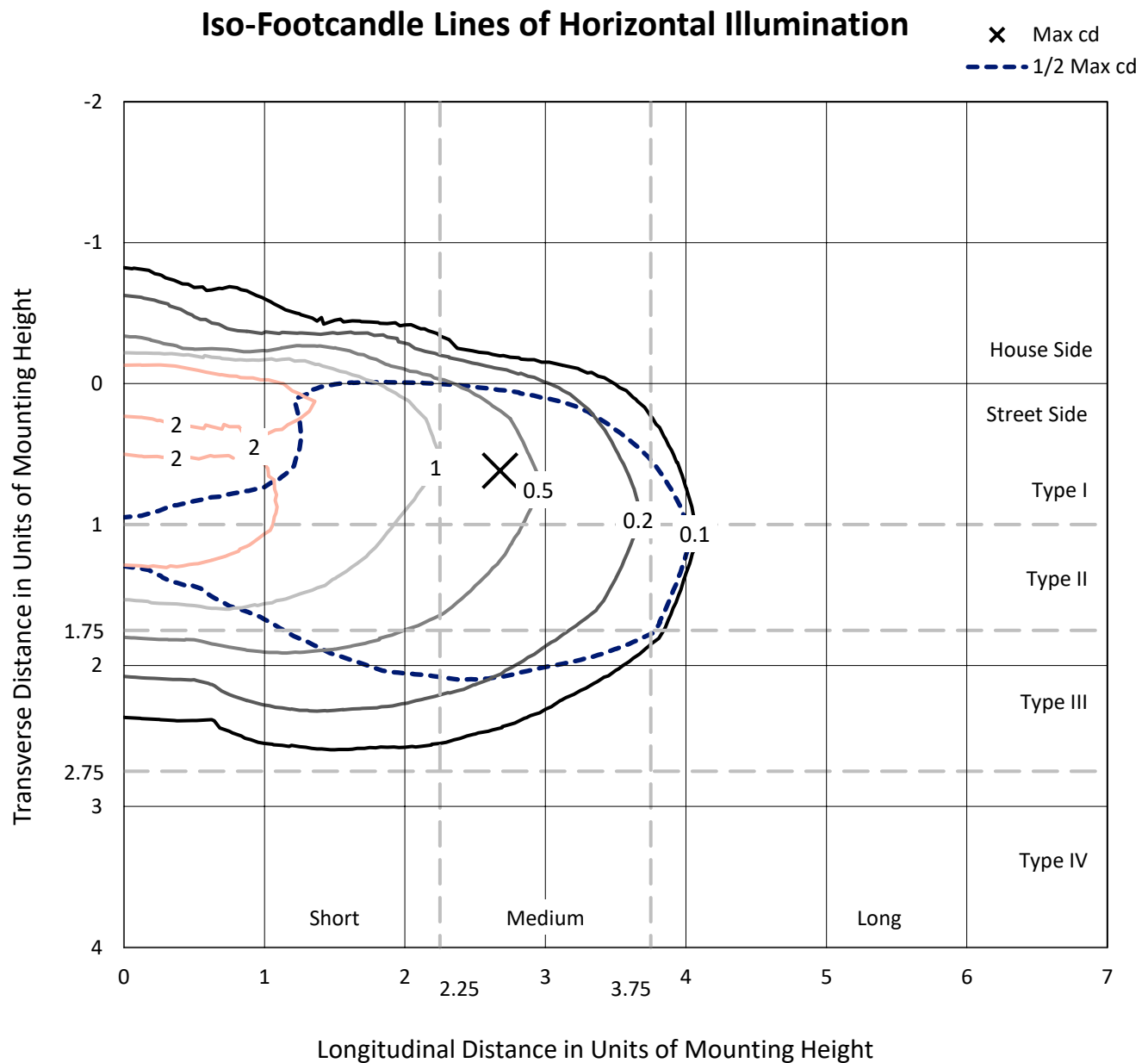
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11855 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7  
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



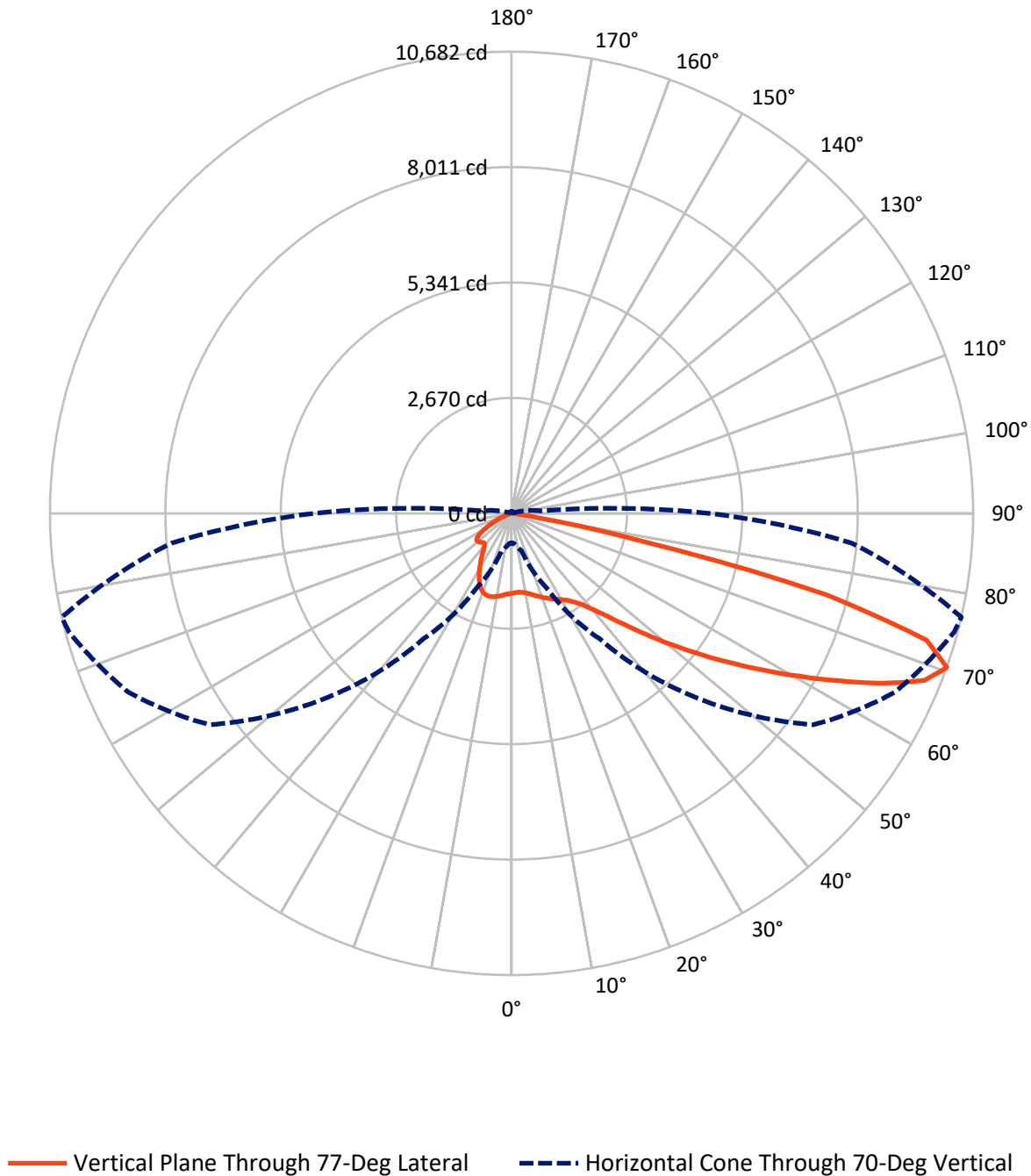
REPORT NUMBER: P947808  
CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
Type III - Medium - N/A

REPORT NUMBER: P947808  
CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P947808

CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS

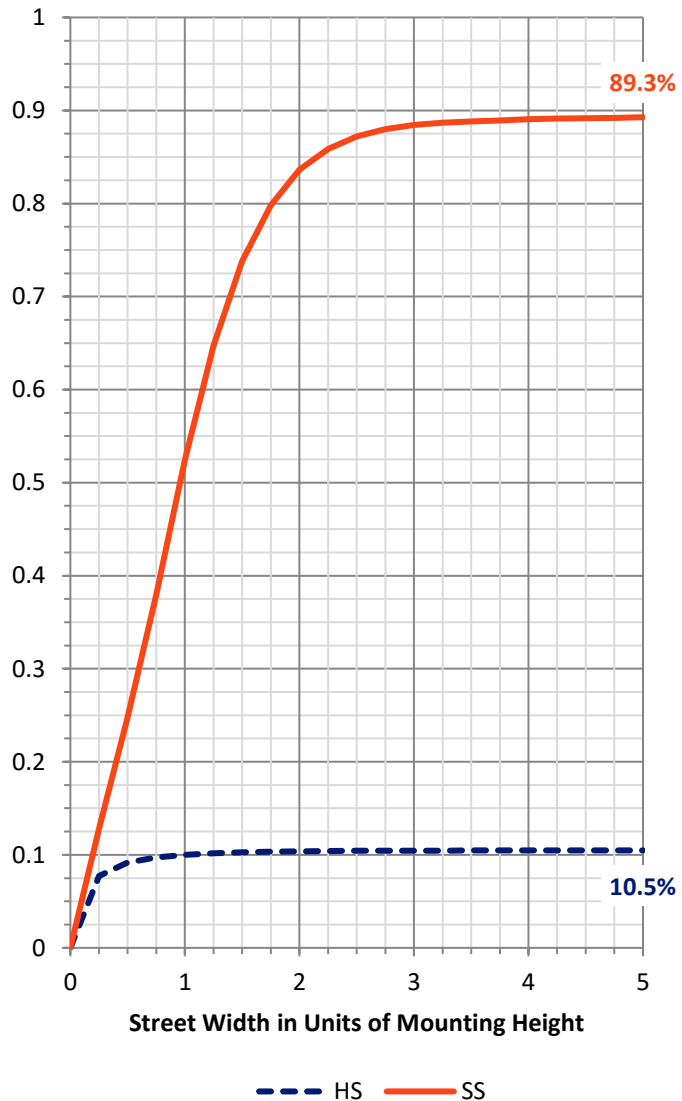
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1249.7   | 0.0    | 1249.7  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 10605.3  | 0.0    | 10605.3 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 11855.0  | 0.0    | 11855.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 159.4   | 1.3       |
| 10°-20°   | 378.3   | 3.2       |
| 20°-30°   | 585.2   | 4.9       |
| 30°-40°   | 1061.8  | 9.0       |
| 40°-50°   | 2004.3  | 16.9      |
| 50°-60°   | 2896.0  | 24.4      |
| 60°-70°   | 3082.7  | 26.0      |
| 70°-80°   | 1633.6  | 13.8      |
| 80°-90°   | 53.6    | 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°    | 11855.0 | 100.0     |
| 0°-180°   | 11855.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P947808

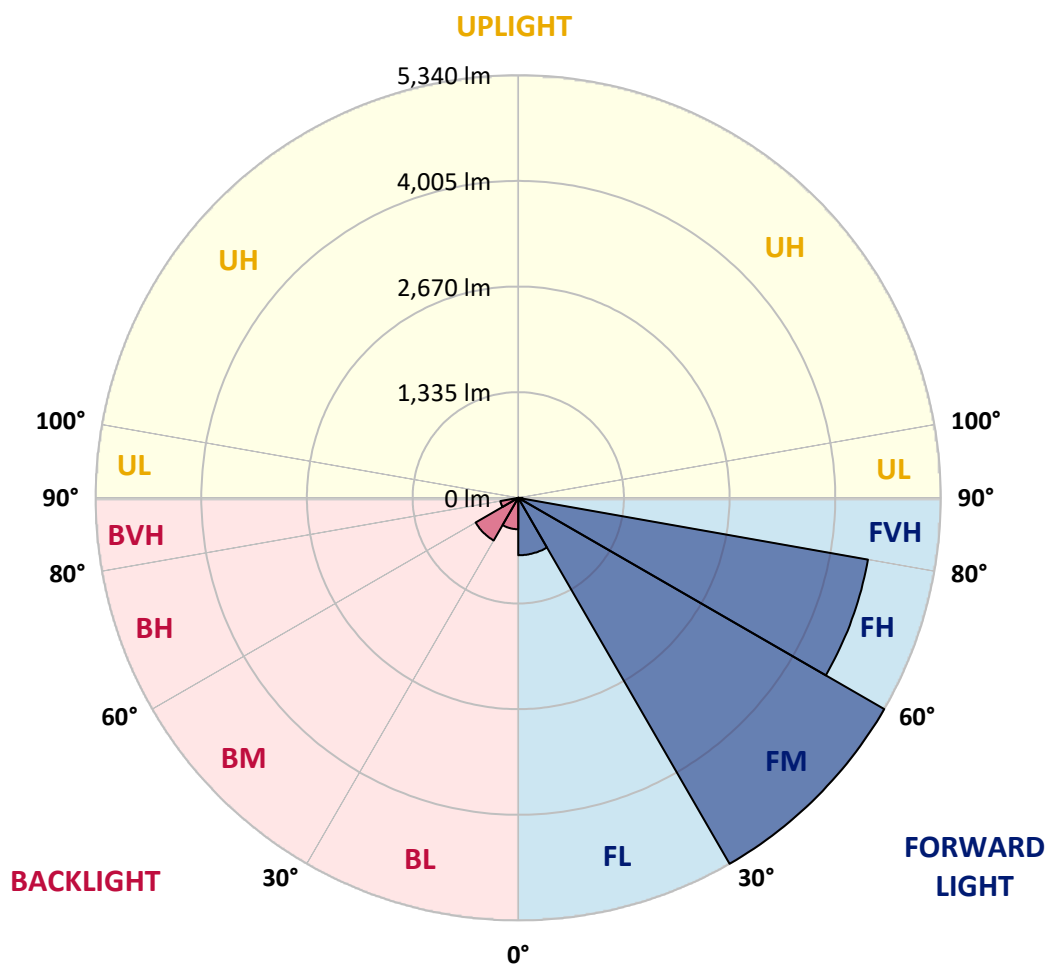
CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 725.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5340.0 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 4487.3 | 37.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 52.2   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 397.0  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 622.1  | 5.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 229.1  | 1.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.4    | 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: P947808

CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2  | 1849.2  |
| 2.5°  | 1736.1 | 1751.8 | 1749.6 | 1760.1 | 1763.8 | 1778.8 | 1793.8 | 1814.0 | 1836.4  | 1835.7  |
| 5°    | 1638.0 | 1653.8 | 1657.5 | 1671.7 | 1689.7 | 1712.9 | 1743.6 | 1784.0 | 1826.0  | 1832.7  |
| 7.5°  | 1522.0 | 1538.5 | 1548.2 | 1576.7 | 1609.6 | 1657.5 | 1707.7 | 1766.8 | 1836.4  | 1846.2  |
| 10°   | 1406.0 | 1420.9 | 1433.7 | 1474.1 | 1526.5 | 1597.6 | 1679.2 | 1764.6 | 1858.1  | 1872.4  |
| 12.5° | 1334.1 | 1348.3 | 1362.5 | 1397.7 | 1462.9 | 1549.7 | 1660.5 | 1775.0 | 1894.1  | 1914.3  |
| 15°   | 1308.6 | 1321.4 | 1332.6 | 1364.0 | 1424.7 | 1523.5 | 1656.8 | 1796.8 | 1939.8  | 1966.7  |
| 17.5° | 1312.4 | 1319.1 | 1326.6 | 1350.6 | 1409.7 | 1511.5 | 1663.5 | 1834.2 | 1993.7  | 2017.6  |
| 20°   | 1334.1 | 1337.8 | 1338.6 | 1355.1 | 1407.5 | 1510.0 | 1677.0 | 1870.1 | 2044.6  | 2076.8  |
| 22.5° | 1361.8 | 1363.3 | 1361.8 | 1373.0 | 1421.7 | 1521.3 | 1694.9 | 1913.5 | 2101.5  | 2131.4  |
| 25°   | 1491.3 | 1462.9 | 1426.9 | 1405.2 | 1445.6 | 1543.0 | 1721.9 | 1971.9 | 2163.6  | 2192.8  |
| 27.5° | 1893.3 | 1811.7 | 1683.0 | 1538.5 | 1495.1 | 1574.4 | 1759.3 | 2031.1 | 2226.5  | 2252.7  |
| 30°   | 2546.2 | 2439.1 | 2220.5 | 1894.8 | 1653.8 | 1640.3 | 1808.0 | 2090.2 | 2293.1  | 2321.6  |
| 32.5° | 3200.5 | 3174.3 | 2922.0 | 2471.3 | 2010.9 | 1787.0 | 1888.8 | 2170.3 | 2381.5  | 2403.9  |
| 35°   | 3862.3 | 3809.1 | 3602.5 | 3157.1 | 2561.1 | 2085.7 | 2023.6 | 2275.1 | 2497.5  | 2523.0  |
| 37.5° | 4369.1 | 4336.9 | 4208.9 | 3842.1 | 3214.0 | 2546.9 | 2254.2 | 2437.6 | 2665.9  | 2694.4  |
| 40°   | 4816.8 | 4801.8 | 4758.4 | 4516.6 | 3943.9 | 3150.3 | 2612.8 | 2689.2 | 2899.5  | 2933.2  |
| 42.5° | 5168.7 | 5203.9 | 5228.6 | 5161.2 | 4696.3 | 3839.1 | 3094.9 | 3042.5 | 3225.2  | 3259.6  |
| 45°   | 5528.8 | 5540.8 | 5640.3 | 5737.7 | 5443.4 | 4559.3 | 3638.4 | 3456.5 | 3630.2  | 3672.9  |
| 47.5° | 5760.1 | 5808.0 | 5983.2 | 6154.7 | 6071.6 | 5273.5 | 4222.4 | 3945.4 | 4099.6  | 4179.7  |
| 50°   | 5777.3 | 5867.9 | 6109.0 | 6407.7 | 6529.0 | 5953.3 | 4857.2 | 4502.4 | 4666.3  | 4754.7  |
| 52.5° | 5490.6 | 5631.3 | 6004.9 | 6442.1 | 6776.0 | 6529.0 | 5513.8 | 5059.4 | 5269.7  | 5385.0  |
| 55°   | 4209.7 | 4393.8 | 5613.4 | 6255.0 | 6785.8 | 6965.4 | 6153.2 | 5639.6 | 5942.0  | 6072.3  |
| 57.5° | 3667.6 | 3760.5 | 4413.3 | 5930.1 | 6605.3 | 7141.4 | 6731.1 | 6192.1 | 6673.5  | 6835.2  |
| 60°   | 3051.5 | 3173.5 | 3701.3 | 5398.5 | 6360.5 | 7158.6 | 7241.7 | 6904.8 | 7466.3  | 7648.2  |
| 62.5° | 2073.8 | 2206.3 | 2731.1 | 4485.2 | 6025.9 | 7150.4 | 7660.2 | 7638.5 | 8347.4  | 8542.8  |
| 65°   | 1284.7 | 1367.8 | 1713.7 | 3662.4 | 5558.0 | 7159.3 | 8098.1 | 8529.4 | 9277.3  | 9475.7  |
| 67.5° | 1015.2 | 1053.4 | 1233.8 | 2811.9 | 4751.7 | 6957.2 | 8535.4 | 9367.1 | 10152.4 | 10309.7 |
| 70°   | 682.0  | 705.2  | 897.6  | 1885.1 | 3535.1 | 6024.4 | 8527.1 | 9787.9 | 10603.1 | 10681.7 |
| 72.5° | 359.4  | 377.3  | 524.8  | 872.9  | 2135.2 | 4282.3 | 7187.8 | 9284.8 | 10154.7 | 10036.4 |
| 75°   | 179.7  | 209.6  | 353.4  | 443.2  | 911.9  | 2388.2 | 4463.5 | 7320.3 | 7992.6  | 7534.4  |
| 77.5° | 136.3  | 164.7  | 292.0  | 292.0  | 317.4  | 804.1  | 1890.3 | 3992.6 | 3682.6  | 3066.5  |
| 80°   | 86.8   | 112.3  | 255.3  | 220.9  | 132.5  | 204.4  | 492.6  | 1118.5 | 782.3   | 595.2   |
| 82.5° | 50.9   | 73.4   | 212.6  | 146.0  | 74.1   | 75.6   | 139.2  | 238.1  | 202.9   | 158.0   |
| 85°   | 20.2   | 47.9   | 146.0  | 57.6   | 29.2   | 18.7   | 41.9   | 50.9   | 41.9    | 31.4    |
| 87.5° | 0.0    | 11.2   | 25.5   | 0.0    | 2.2    | 1.5    | 3.0    | 3.7    | 3.7     | 3.0     |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

REPORT NUMBER: P947808

CATALOG NUMBER: GLAN-SB3A-750-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1849.2 | 0°    | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 | 1849.2 |
| 1850.7 | 2.5°  | 1857.4 | 1858.9 | 1863.4 | 1864.1 | 1853.7 | 1840.2 | 1834.9 | 1832.7 | 1823.7 | 1823.0 |
| 1862.6 | 5°    | 1879.9 | 1886.6 | 1879.9 | 1860.4 | 1814.0 | 1748.8 | 1699.4 | 1659.0 | 1622.3 | 1611.1 |
| 1903.8 | 7.5°  | 1924.8 | 1931.5 | 1911.3 | 1834.9 | 1718.2 | 1588.6 | 1471.8 | 1389.5 | 1315.4 | 1287.7 |
| 1954.0 | 10°   | 1989.2 | 1998.1 | 1934.5 | 1780.3 | 1573.7 | 1365.5 | 1167.9 | 1028.6 | 920.1  | 875.9  |
| 2022.1 | 12.5° | 2070.0 | 2073.8 | 1947.2 | 1697.2 | 1385.8 | 1088.5 | 808.5  | 659.6  | 563.0  | 527.0  |
| 2104.5 | 15°   | 2159.1 | 2153.9 | 1948.7 | 1584.1 | 1129.7 | 769.6  | 527.8  | 433.5  | 394.5  | 382.6  |
| 2186.8 | 17.5° | 2252.7 | 2231.0 | 1918.8 | 1420.9 | 849.0  | 526.3  | 391.5  | 369.1  | 362.3  | 359.4  |
| 2268.4 | 20°   | 2344.8 | 2296.1 | 1864.1 | 1207.6 | 609.4  | 393.0  | 355.6  | 348.9  | 345.1  | 343.6  |
| 2350.8 | 22.5° | 2428.6 | 2345.5 | 1770.6 | 959.8  | 442.5  | 347.4  | 336.1  | 330.2  | 323.4  | 320.4  |
| 2430.9 | 25°   | 2510.2 | 2374.0 | 1638.8 | 728.4  | 354.1  | 324.9  | 315.9  | 304.7  | 295.7  | 292.0  |
| 2517.0 | 27.5° | 2589.6 | 2391.9 | 1474.1 | 539.0  | 315.9  | 304.0  | 287.5  | 271.8  | 265.0  | 263.5  |
| 2609.0 | 30°   | 2674.2 | 2397.9 | 1286.9 | 402.0  | 292.7  | 277.7  | 253.8  | 235.8  | 232.1  | 232.8  |
| 2733.3 | 32.5° | 2777.5 | 2406.9 | 1098.3 | 329.4  | 273.3  | 246.3  | 217.9  | 199.1  | 196.1  | 199.1  |
| 2914.5 | 35°   | 2901.0 | 2424.9 | 916.3  | 303.2  | 256.0  | 214.1  | 183.4  | 167.7  | 164.7  | 166.9  |
| 3146.6 | 37.5° | 3068.7 | 2454.1 | 746.4  | 298.0  | 241.8  | 187.2  | 154.2  | 141.5  | 141.5  | 142.2  |
| 3431.1 | 40°   | 3291.8 | 2531.9 | 594.4  | 294.2  | 234.3  | 166.9  | 130.3  | 125.0  | 127.3  | 128.8  |
| 3793.4 | 42.5° | 3563.6 | 2697.4 | 491.9  | 289.7  | 226.1  | 158.0  | 118.3  | 116.0  | 119.8  | 121.3  |
| 4227.6 | 45°   | 3868.3 | 2907.0 | 455.9  | 282.2  | 218.6  | 164.0  | 113.0  | 110.1  | 114.5  | 115.3  |
| 4714.3 | 47.5° | 4183.5 | 3112.1 | 451.4  | 274.0  | 211.1  | 172.9  | 111.5  | 104.8  | 110.1  | 110.8  |
| 5233.8 | 50°   | 4502.4 | 3246.1 | 455.9  | 261.3  | 199.1  | 172.9  | 112.3  | 99.6   | 104.1  | 106.3  |
| 5772.8 | 52.5° | 4823.6 | 3307.5 | 452.9  | 233.6  | 178.2  | 162.5  | 112.3  | 95.1   | 99.6   | 101.1  |
| 6355.3 | 55°   | 5135.0 | 3295.6 | 407.3  | 192.4  | 151.2  | 143.7  | 109.3  | 91.3   | 94.3   | 95.1   |
| 6905.5 | 57.5° | 5381.3 | 3128.6 | 322.7  | 149.7  | 122.8  | 119.8  | 99.6   | 86.8   | 89.1   | 88.3   |
| 7410.1 | 60°   | 5510.1 | 2761.8 | 230.6  | 115.3  | 96.6   | 94.3   | 87.6   | 80.9   | 82.4   | 78.6   |
| 7837.6 | 62.5° | 5511.6 | 2276.6 | 154.2  | 91.3   | 77.1   | 74.9   | 74.9   | 72.6   | 71.1   | 63.6   |
| 8168.5 | 65°   | 5394.0 | 1738.4 | 102.6  | 72.6   | 62.1   | 58.4   | 62.9   | 62.1   | 56.9   | 46.4   |
| 8269.6 | 67.5° | 5127.5 | 1139.4 | 77.9   | 56.9   | 47.9   | 45.7   | 50.2   | 52.4   | 48.7   | 38.9   |
| 7901.3 | 70°   | 4579.5 | 663.3  | 64.4   | 44.2   | 35.9   | 33.7   | 40.4   | 44.9   | 40.4   | 31.4   |
| 6753.6 | 72.5° | 3803.9 | 357.9  | 52.4   | 32.9   | 24.7   | 22.5   | 32.2   | 36.7   | 32.2   | 23.2   |
| 4333.2 | 75°   | 2468.3 | 191.7  | 40.4   | 21.7   | 12.7   | 14.2   | 24.0   | 27.0   | 22.5   | 15.0   |
| 1272.0 | 77.5° | 828.8  | 84.6   | 25.5   | 10.5   | 6.0    | 6.0    | 14.2   | 16.5   | 10.5   | 5.2    |
| 231.3  | 80°   | 184.9  | 35.2   | 10.5   | 4.5    | 2.2    | 2.2    | 3.0    | 3.0    | 1.5    | 0.0    |
| 71.1   | 82.5° | 60.6   | 14.2   | 4.5    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 18.0   | 85°   | 23.2   | 5.2    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 6.0    | 87.5° | 9.0    | 0.7    | 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°   |
|--------|
| 1849.2 |
| 1824.5 |
| 1604.4 |
| 1276.4 |
| 857.2  |
| 515.8  |
| 382.6  |
| 358.6  |
| 342.1  |
| 319.7  |
| 290.5  |
| 262.0  |
| 232.8  |
| 198.4  |
| 166.2  |
| 141.5  |
| 128.8  |
| 121.3  |
| 116.0  |
| 111.5  |
| 107.1  |
| 101.1  |
| 95.1   |
| 88.3   |
| 77.9   |
| 61.4   |
| 44.9   |
| 38.2   |
| 29.9   |
| 22.5   |
| 13.5   |
| 4.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |