

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: P947218

Luminaire Tested: **GLAN-SB2C-850-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-850-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10948 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

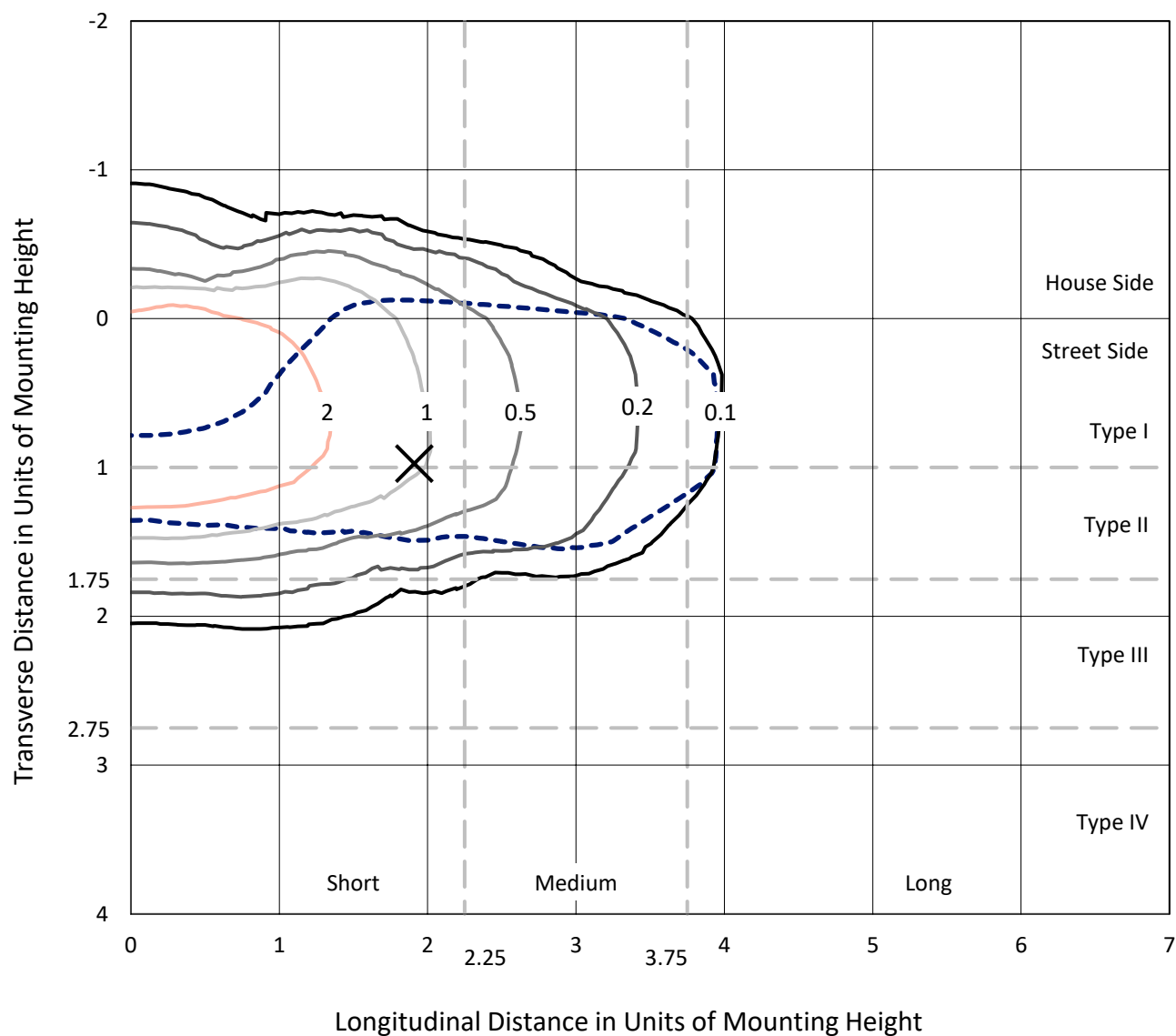
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P947218  
 CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS

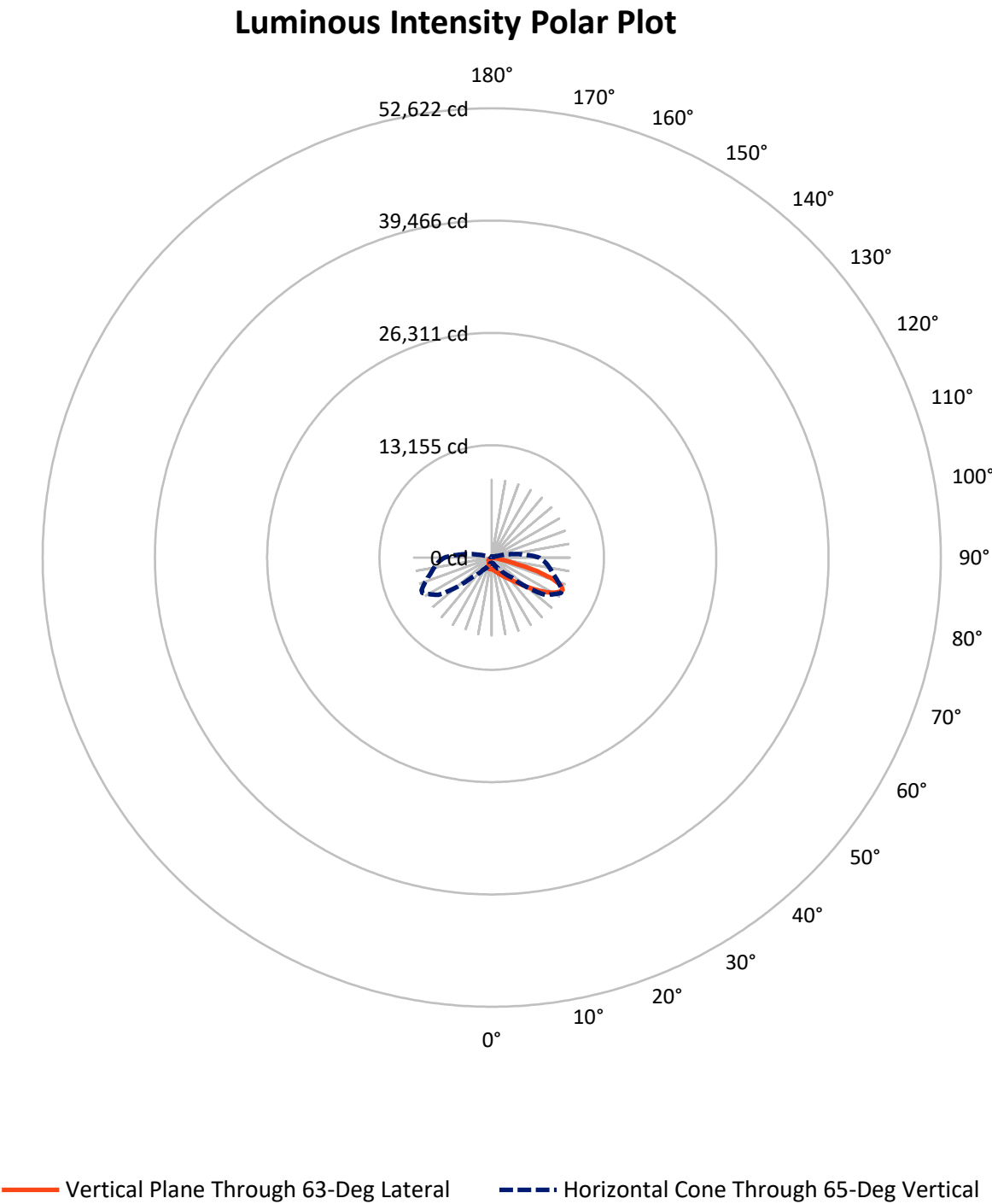
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P947218  
CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS



REPORT NUMBER: P947218

CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS

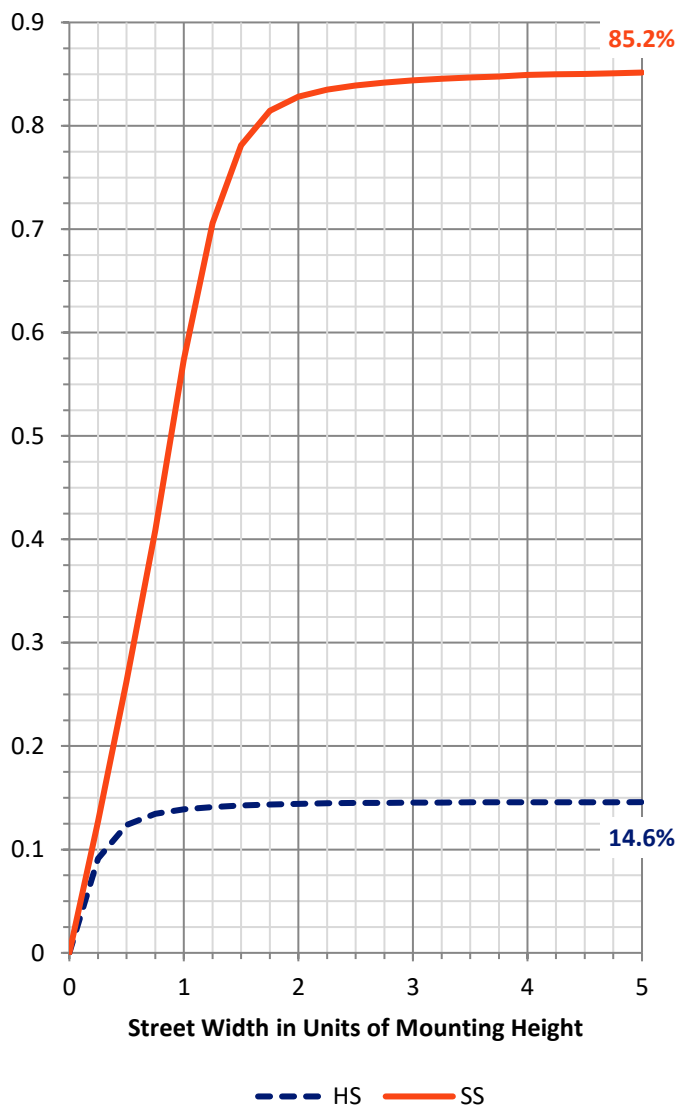
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1609.3   | 0.0    | 1609.3  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 9338.7   | 0.0    | 9338.7  |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 10948.0  | 0.0    | 10948.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 127.3   | 1.2       |
| 10°-20°   | 353.2   | 3.2       |
| 20°-30°   | 615.1   | 5.6       |
| 30°-40°   | 1108.6  | 10.1      |
| 40°-50°   | 2198.7  | 20.1      |
| 50°-60°   | 2995.0  | 27.4      |
| 60°-70°   | 2390.6  | 21.8      |
| 70°-80°   | 1081.8  | 9.9       |
| 80°-90°   | 77.8    | 0.7       |
| 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°    | 10948.0 | 100.0     |
| 0°-180°   | 10948.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P947218

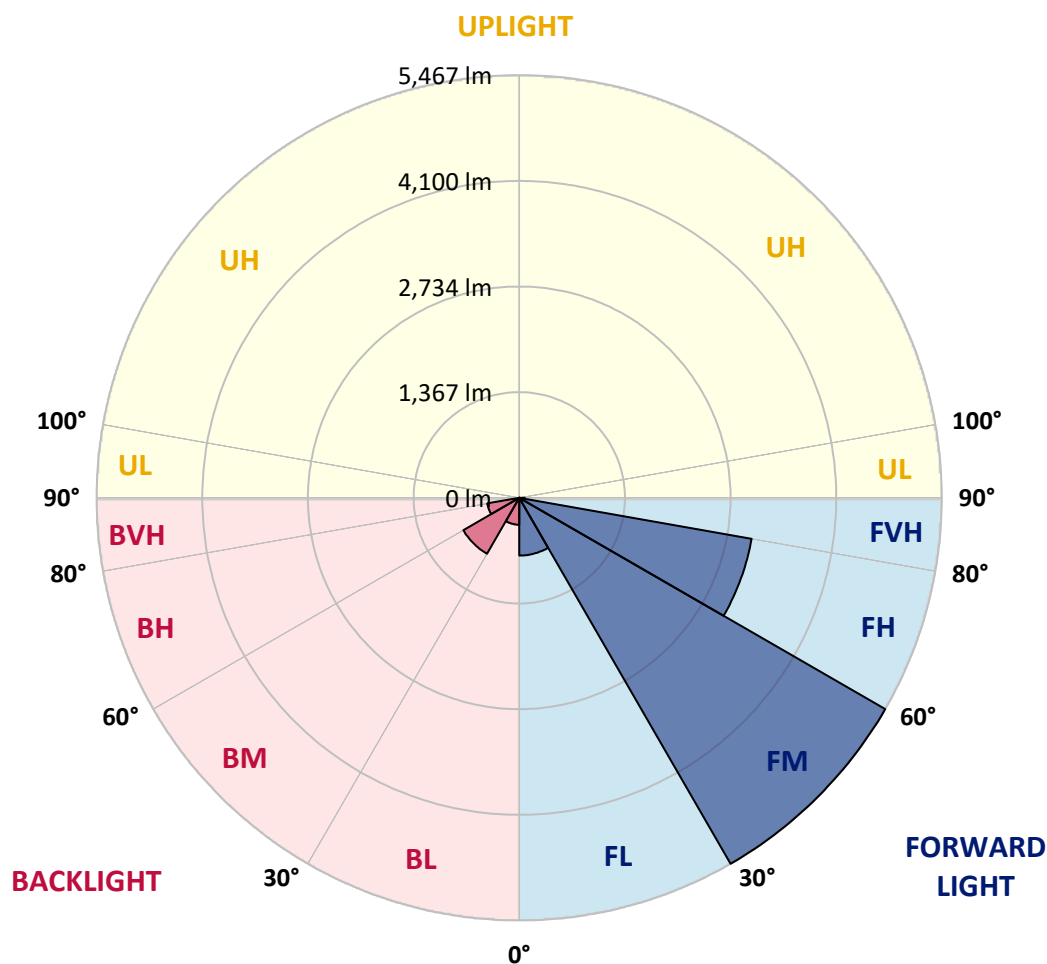
CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 747.3  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 5467.2 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 3052.3 | 27.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 72.0   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 348.3  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 835.1  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 420.1  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 5.8    | 0.1       |                         |      | 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 II Short



REPORT NUMBER: P947218

CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 |
| 2.5°  | 1382.8 | 1379.1 | 1384.3 | 1382.1 | 1380.6 | 1377.6 | 1376.0 | 1374.5 | 1371.5 | 1369.3 |
| 5°    | 1386.6 | 1384.3 | 1389.6 | 1394.1 | 1398.6 | 1403.2 | 1405.4 | 1408.4 | 1405.4 | 1399.4 |
| 7.5°  | 1355.0 | 1353.4 | 1364.7 | 1378.3 | 1398.6 | 1416.0 | 1434.8 | 1445.3 | 1446.1 | 1443.8 |
| 10°   | 1352.7 | 1348.9 | 1360.2 | 1376.8 | 1403.2 | 1434.0 | 1467.2 | 1489.8 | 1492.8 | 1502.6 |
| 12.5° | 1388.1 | 1384.3 | 1400.1 | 1418.2 | 1445.3 | 1477.7 | 1518.4 | 1550.0 | 1554.5 | 1568.1 |
| 15°   | 1447.6 | 1442.3 | 1460.4 | 1483.7 | 1518.4 | 1555.3 | 1598.2 | 1626.9 | 1630.6 | 1647.2 |
| 17.5° | 1516.9 | 1511.6 | 1532.7 | 1557.6 | 1595.2 | 1645.7 | 1695.4 | 1727.0 | 1731.5 | 1742.1 |
| 20°   | 1605.8 | 1599.0 | 1615.6 | 1638.1 | 1678.1 | 1738.3 | 1797.8 | 1843.0 | 1842.3 | 1842.3 |
| 22.5° | 1708.9 | 1698.4 | 1712.7 | 1730.8 | 1768.4 | 1841.5 | 1920.6 | 1974.1 | 1974.1 | 1953.0 |
| 25°   | 1819.7 | 1809.1 | 1824.9 | 1841.5 | 1874.6 | 1957.5 | 2050.1 | 2116.4 | 2119.4 | 2083.3 |
| 27.5° | 1958.2 | 1944.7 | 1956.7 | 1976.3 | 1995.9 | 2080.3 | 2190.2 | 2267.0 | 2268.6 | 2212.8 |
| 30°   | 2224.9 | 2186.5 | 2148.8 | 2127.7 | 2136.7 | 2220.4 | 2337.8 | 2423.0 | 2430.5 | 2353.7 |
| 32.5° | 2712.9 | 2705.4 | 2572.8 | 2399.6 | 2309.2 | 2371.0 | 2502.8 | 2605.2 | 2609.7 | 2511.1 |
| 35°   | 3471.4 | 3462.3 | 3249.2 | 2919.3 | 2624.8 | 2572.8 | 2703.1 | 2824.4 | 2821.4 | 2709.9 |
| 37.5° | 4376.7 | 4368.4 | 4087.5 | 3646.1 | 3169.3 | 2877.9 | 2961.5 | 3088.8 | 3107.6 | 2961.5 |
| 40°   | 5150.2 | 5119.3 | 4941.6 | 4516.0 | 3892.4 | 3384.0 | 3329.0 | 3413.4 | 3433.0 | 3259.7 |
| 42.5° | 5736.2 | 5709.8 | 5619.4 | 5353.5 | 4767.6 | 4132.7 | 3762.1 | 3794.5 | 3816.3 | 3608.4 |
| 45°   | 6039.7 | 6033.7 | 6069.8 | 6045.0 | 5659.3 | 5051.5 | 4381.2 | 4246.4 | 4254.7 | 3994.8 |
| 47.5° | 6082.6 | 6079.6 | 6244.5 | 6478.0 | 6426.1 | 6087.9 | 5175.8 | 4809.8 | 4780.4 | 4430.9 |
| 50°   | 5829.5 | 5823.5 | 6139.9 | 6577.4 | 6938.2 | 6958.6 | 6078.1 | 5444.7 | 5379.9 | 4882.1 |
| 52.5° | 5021.4 | 5019.9 | 5539.6 | 6267.9 | 7118.2 | 7720.8 | 6969.9 | 6142.1 | 6033.7 | 5359.6 |
| 55°   | 3863.8 | 3891.6 | 4487.4 | 5348.3 | 6789.8 | 8087.6 | 7770.5 | 6916.4 | 6749.9 | 5840.1 |
| 57.5° | 2737.0 | 2777.7 | 3366.7 | 4133.4 | 5771.6 | 7870.6 | 8312.0 | 7692.1 | 7512.9 | 6319.1 |
| 60°   | 1470.2 | 1506.3 | 2096.1 | 3011.2 | 4293.8 | 7061.7 | 8597.5 | 8365.5 | 8196.0 | 6774.0 |
| 62.5° | 875.9  | 888.0  | 1132.0 | 1943.9 | 2904.2 | 5395.0 | 8476.2 | 8878.4 | 8739.1 | 7155.9 |
| 65°   | 628.9  | 631.2  | 753.9  | 1187.0 | 1763.2 | 3277.8 | 7625.9 | 9123.9 | 9081.0 | 7443.6 |
| 67.5° | 529.5  | 528.0  | 579.2  | 788.6  | 1201.3 | 1641.9 | 5844.6 | 8776.7 | 8959.0 | 7625.9 |
| 70°   | 454.2  | 456.4  | 516.7  | 577.7  | 903.1  | 929.4  | 2905.7 | 7641.7 | 8030.3 | 7674.1 |
| 72.5° | 338.2  | 345.7  | 401.4  | 526.5  | 681.6  | 639.4  | 1003.2 | 5666.1 | 6368.8 | 7230.4 |
| 75°   | 238.8  | 242.5  | 282.4  | 442.9  | 508.4  | 465.5  | 512.2  | 2929.1 | 3829.9 | 5543.3 |
| 77.5° | 183.8  | 190.6  | 213.9  | 309.6  | 500.9  | 326.9  | 313.3  | 1013.8 | 1557.6 | 3348.6 |
| 80°   | 99.4   | 111.5  | 154.4  | 223.7  | 351.7  | 231.2  | 155.2  | 403.7  | 528.0  | 1565.8 |
| 82.5° | 51.2   | 57.2   | 107.7  | 161.2  | 200.3  | 201.9  | 76.8   | 168.0  | 217.7  | 483.5  |
| 85°   | 20.3   | 24.9   | 72.3   | 88.9   | 103.2  | 99.4   | 34.6   | 67.8   | 78.3   | 134.1  |
| 87.5° | 4.5    | 7.5    | 26.4   | 20.3   | 19.6   | 21.1   | 8.3    | 15.8   | 15.1   | 15.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P947218

CATALOG NUMBER: GLAN-SB2C-850-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1351.2 | 0°    | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 | 1351.2 |
| 1360.2 | 2.5°  | 1359.5 | 1356.5 | 1348.2 | 1339.1 | 1328.6 | 1322.6 | 1318.8 | 1318.1 | 1312.8 | 1309.0 |
| 1390.4 | 5°    | 1382.1 | 1379.1 | 1363.2 | 1344.4 | 1324.1 | 1308.3 | 1293.2 | 1279.6 | 1260.1 | 1256.3 |
| 1434.0 | 7.5°  | 1427.3 | 1419.0 | 1393.4 | 1367.8 | 1329.3 | 1283.4 | 1227.7 | 1163.7 | 1106.4 | 1089.1 |
| 1492.0 | 10°   | 1483.0 | 1471.7 | 1439.3 | 1394.1 | 1309.0 | 1184.0 | 1049.2 | 924.1  | 824.7  | 796.9  |
| 1560.6 | 12.5° | 1546.3 | 1536.5 | 1493.5 | 1409.9 | 1223.9 | 997.2  | 790.8  | 635.7  | 539.3  | 515.2  |
| 1633.6 | 15°   | 1621.6 | 1607.3 | 1547.8 | 1385.8 | 1071.8 | 757.7  | 543.0  | 451.1  | 416.5  | 412.0  |
| 1717.2 | 17.5° | 1701.4 | 1678.1 | 1596.0 | 1299.2 | 866.9  | 538.5  | 419.5  | 393.2  | 378.1  | 373.6  |
| 1801.6 | 20°   | 1774.5 | 1744.3 | 1624.6 | 1168.2 | 647.7  | 419.5  | 375.8  | 358.5  | 345.0  | 339.7  |
| 1885.9 | 22.5° | 1847.5 | 1804.6 | 1624.6 | 989.7  | 485.8  | 372.1  | 345.0  | 329.1  | 313.3  | 306.5  |
| 1976.3 | 25°   | 1923.6 | 1866.4 | 1596.0 | 790.8  | 390.9  | 341.2  | 315.6  | 298.3  | 284.7  | 276.4  |
| 2062.2 | 27.5° | 1997.4 | 1918.3 | 1530.4 | 602.5  | 348.0  | 314.1  | 288.5  | 271.9  | 259.1  | 253.1  |
| 2155.6 | 30°   | 2067.5 | 1969.5 | 1438.6 | 457.2  | 320.1  | 287.7  | 263.6  | 249.3  | 236.5  | 230.5  |
| 2276.8 | 32.5° | 2162.4 | 2034.3 | 1340.6 | 375.1  | 296.0  | 262.9  | 241.0  | 227.5  | 216.2  | 211.6  |
| 2434.3 | 35°   | 2294.2 | 2130.0 | 1256.3 | 368.3  | 275.7  | 242.5  | 220.7  | 207.9  | 196.6  | 192.8  |
| 2637.6 | 37.5° | 2480.9 | 2284.4 | 1211.9 | 413.5  | 259.1  | 224.4  | 204.1  | 190.6  | 180.0  | 177.0  |
| 2895.9 | 40°   | 2711.4 | 2493.8 | 1236.0 | 458.7  | 247.8  | 208.6  | 189.0  | 175.5  | 166.5  | 162.7  |
| 3192.7 | 42.5° | 2984.8 | 2752.1 | 1369.3 | 493.3  | 240.3  | 195.1  | 174.7  | 159.7  | 153.6  | 152.1  |
| 3529.4 | 45°   | 3298.9 | 3036.0 | 1573.4 | 530.2  | 228.2  | 182.3  | 160.4  | 149.1  | 144.6  | 143.9  |
| 3895.4 | 47.5° | 3655.9 | 3347.8 | 1809.9 | 576.2  | 216.2  | 170.2  | 149.1  | 141.6  | 137.8  | 136.3  |
| 4277.3 | 50°   | 4009.9 | 3661.9 | 2053.1 | 601.8  | 206.4  | 158.9  | 140.1  | 134.1  | 131.1  | 130.3  |
| 4681.0 | 52.5° | 4380.4 | 3985.0 | 2249.7 | 577.7  | 198.1  | 149.9  | 132.6  | 128.0  | 125.0  | 124.3  |
| 5053.0 | 55°   | 4733.7 | 4246.4 | 2283.6 | 490.3  | 181.5  | 140.8  | 124.3  | 122.0  | 118.2  | 118.2  |
| 5430.4 | 57.5° | 5038.0 | 4377.4 | 2044.1 | 360.0  | 164.9  | 127.3  | 116.0  | 113.7  | 110.7  | 110.0  |
| 5770.8 | 60°   | 5317.4 | 4339.8 | 1577.9 | 242.5  | 146.9  | 113.7  | 105.4  | 103.9  | 100.9  | 97.2   |
| 6066.8 | 62.5° | 5474.8 | 4174.1 | 1079.3 | 158.2  | 128.8  | 99.4   | 93.4   | 92.6   | 85.9   | 78.3   |
| 6286.0 | 65°   | 5534.3 | 3833.6 | 673.3  | 115.2  | 107.7  | 85.1   | 80.6   | 79.1   | 69.3   | 61.0   |
| 6410.2 | 67.5° | 5482.3 | 3273.3 | 339.7  | 91.1   | 85.1   | 70.8   | 66.3   | 66.3   | 59.5   | 52.0   |
| 6402.7 | 70°   | 5274.5 | 2453.8 | 143.1  | 73.1   | 65.5   | 54.2   | 54.2   | 57.2   | 50.5   | 42.2   |
| 6070.6 | 72.5° | 4823.3 | 1651.0 | 76.1   | 55.7   | 49.0   | 38.4   | 44.4   | 46.7   | 39.9   | 31.6   |
| 4968.7 | 75°   | 3834.4 | 1007.0 | 52.7   | 41.4   | 30.9   | 27.1   | 33.9   | 35.4   | 27.1   | 21.1   |
| 3406.6 | 77.5° | 2622.5 | 578.4  | 35.4   | 26.4   | 19.6   | 15.8   | 23.3   | 21.8   | 14.3   | 9.8    |
| 1313.5 | 80°   | 1151.6 | 241.0  | 20.3   | 12.1   | 7.5    | 6.0    | 8.3    | 6.0    | 4.5    | 3.0    |
| 180.0  | 82.5° | 134.8  | 56.5   | 7.5    | 4.5    | 3.0    | 1.5    | 0.8    | 0.0    | 0.0    | 0.0    |
| 55.0   | 85°   | 27.9   | 6.8    | 3.8    | 1.5    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 9.8    | 87.5° | 5.3    | 1.5    | 0.8    | 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°   |
|--------|
| 1351.2 |
| 1312.8 |
| 1254.8 |
| 1080.8 |
| 786.3  |
| 508.4  |
| 407.5  |
| 371.3  |
| 336.7  |
| 302.8  |
| 273.4  |
| 253.1  |
| 231.2  |
| 211.6  |
| 192.8  |
| 176.2  |
| 161.9  |
| 152.1  |
| 143.1  |
| 136.3  |
| 130.3  |
| 124.3  |
| 117.5  |
| 109.2  |
| 96.4   |
| 76.8   |
| 60.3   |
| 51.2   |
| 41.4   |
| 31.6   |
| 20.3   |
| 10.5   |
| 3.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |