

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: P939216

Luminaire Tested: **GLAN-SB1C-950-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

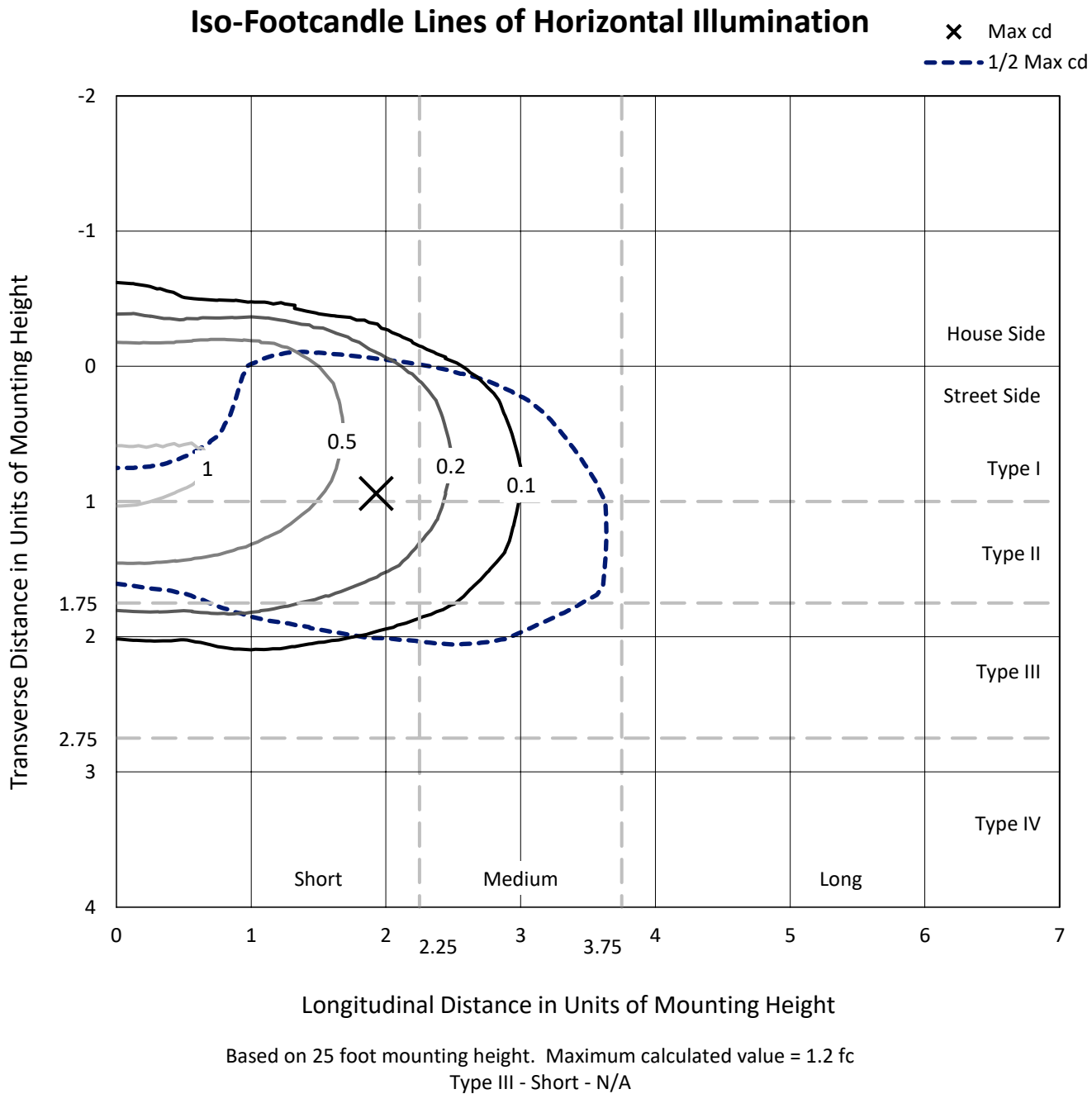
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4087 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

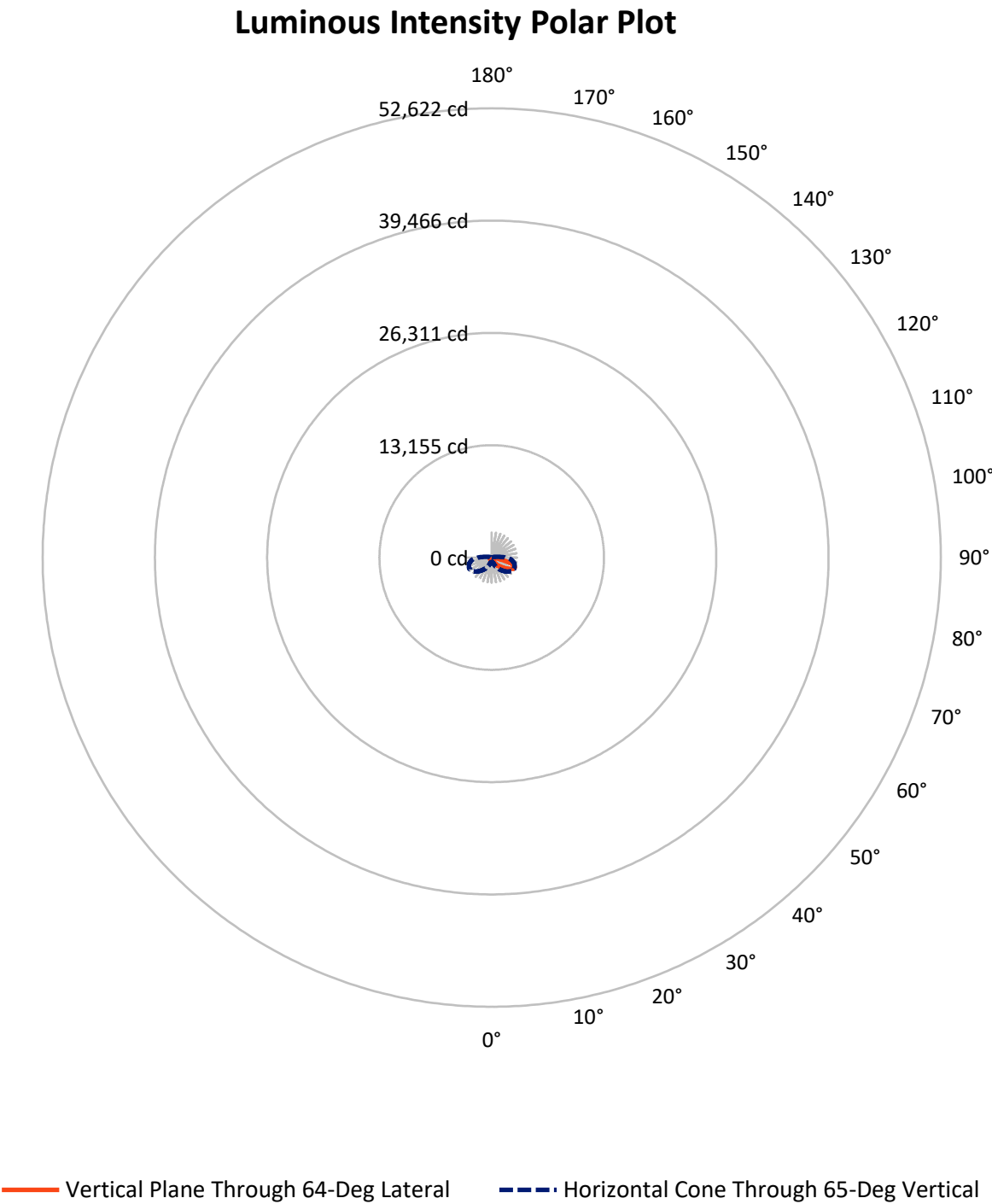
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P939216  
CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS



REPORT NUMBER: P939216  
CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS



REPORT NUMBER: P939216

CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS

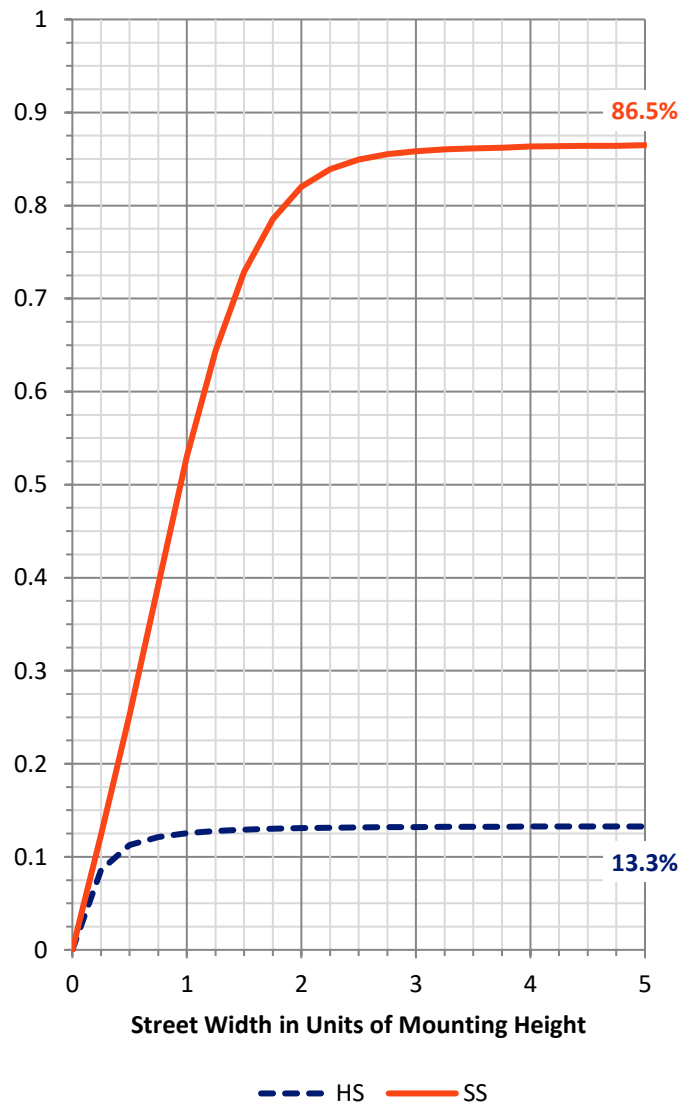
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 546.6    | 0.0    | 546.6  |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 3540.4   | 0.0    | 3540.4 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 4087.0   | 0.0    | 4087.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.9   | 1.1       |
| 10°-20°   | 119.0  | 2.9       |
| 20°-30°   | 225.4  | 5.5       |
| 30°-40°   | 456.1  | 11.2      |
| 40°-50°   | 777.0  | 19.0      |
| 50°-60°   | 1056.6 | 25.9      |
| 60°-70°   | 992.2  | 24.3      |
| 70°-80°   | 397.5  | 9.7       |
| 80°-90°   | 19.3   | 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°    | 4087.0 | 100.0     |
| 0°-180°   | 4087.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939216

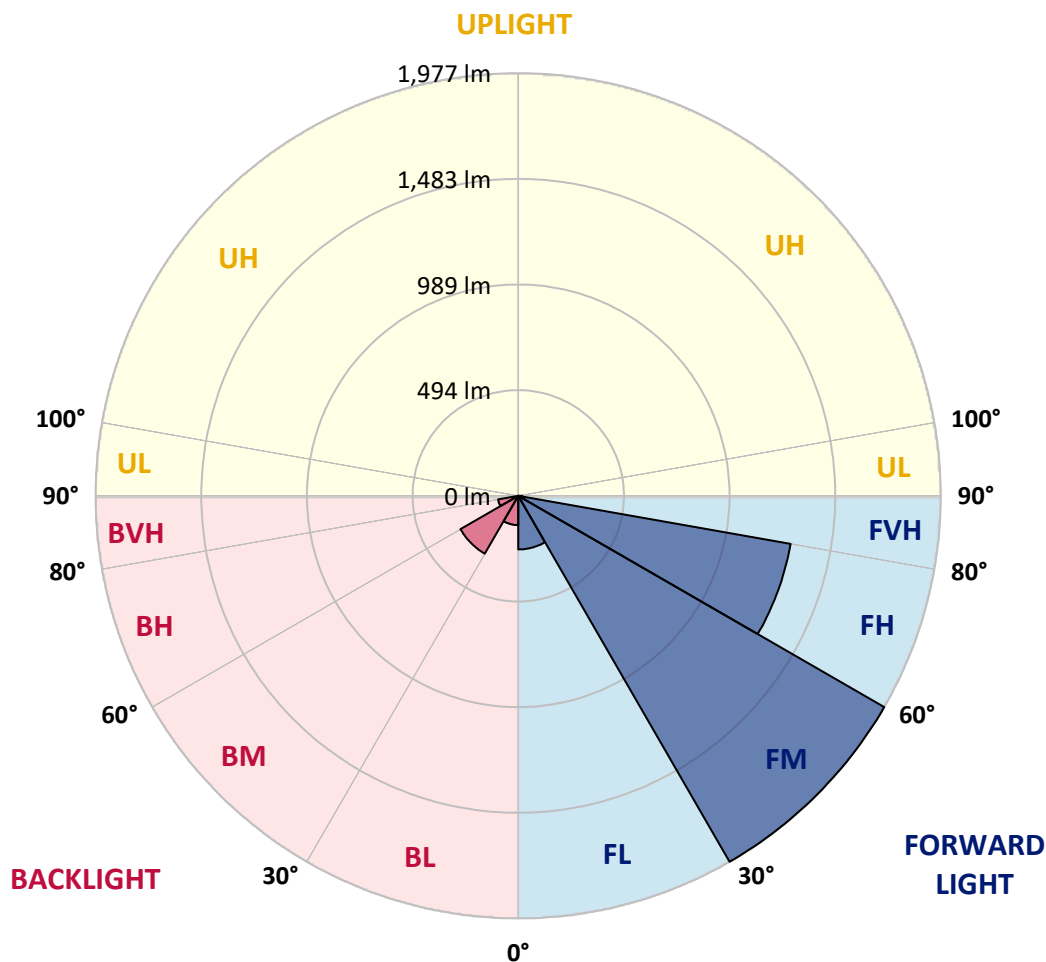
CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 251.0  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1977.3 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 1293.9 | 31.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 18.3   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 137.2  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 312.5  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 95.9   | 2.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.9    | 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-G1**

Type III Short



REPORT NUMBER: P939216

CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  | 475.4  |
| 2.5°  | 473.7  | 477.0  | 476.2  | 475.4  | 475.1  | 475.6  | 475.9  | 475.6  | 475.6  | 475.6  |
| 5°    | 464.7  | 467.4  | 467.4  | 469.3  | 472.1  | 475.4  | 477.8  | 478.4  | 478.9  | 479.7  |
| 7.5°  | 447.4  | 449.6  | 451.3  | 457.6  | 464.4  | 473.2  | 480.6  | 484.4  | 484.9  | 488.0  |
| 10°   | 435.6  | 438.4  | 441.1  | 447.7  | 457.6  | 470.7  | 483.3  | 492.6  | 494.0  | 501.1  |
| 12.5° | 435.1  | 437.8  | 441.4  | 448.5  | 460.0  | 474.0  | 489.3  | 502.8  | 505.2  | 515.6  |
| 15°   | 440.8  | 444.1  | 447.4  | 456.2  | 468.5  | 485.5  | 501.9  | 518.6  | 521.1  | 535.9  |
| 17.5° | 452.6  | 457.0  | 459.5  | 468.2  | 481.4  | 500.3  | 521.9  | 541.1  | 543.3  | 560.6  |
| 20°   | 475.9  | 481.1  | 481.9  | 489.1  | 501.9  | 522.2  | 548.0  | 571.8  | 574.5  | 594.3  |
| 22.5° | 524.1  | 531.5  | 525.0  | 528.5  | 540.0  | 560.3  | 588.2  | 618.4  | 622.2  | 644.7  |
| 25°   | 609.1  | 619.5  | 602.5  | 596.5  | 601.4  | 622.5  | 657.6  | 695.6  | 700.0  | 718.1  |
| 27.5° | 775.9  | 762.5  | 736.7  | 711.5  | 696.7  | 708.8  | 748.2  | 795.4  | 800.9  | 818.4  |
| 30°   | 959.2  | 947.4  | 912.6  | 856.7  | 821.7  | 819.8  | 856.2  | 908.8  | 915.1  | 931.8  |
| 32.5° | 1142.8 | 1131.5 | 1093.7 | 1025.0 | 964.1  | 934.0  | 959.2  | 1017.6 | 1020.9 | 1031.5 |
| 35°   | 1323.3 | 1311.8 | 1274.0 | 1203.6 | 1128.8 | 1060.3 | 1055.4 | 1121.1 | 1122.2 | 1133.5 |
| 37.5° | 1505.0 | 1495.4 | 1455.1 | 1386.1 | 1312.4 | 1217.9 | 1172.1 | 1219.2 | 1220.6 | 1231.6 |
| 40°   | 1634.6 | 1638.7 | 1611.0 | 1557.6 | 1494.3 | 1391.0 | 1303.1 | 1323.6 | 1315.4 | 1333.7 |
| 42.5° | 1745.8 | 1754.0 | 1729.9 | 1703.1 | 1666.4 | 1575.4 | 1465.3 | 1461.7 | 1448.5 | 1458.4 |
| 45°   | 1842.0 | 1848.8 | 1827.2 | 1820.9 | 1820.1 | 1756.2 | 1642.5 | 1621.2 | 1602.8 | 1600.9 |
| 47.5° | 1877.3 | 1890.5 | 1899.8 | 1920.9 | 1962.0 | 1935.1 | 1825.8 | 1792.7 | 1772.1 | 1757.1 |
| 50°   | 1890.8 | 1904.7 | 1936.5 | 1997.9 | 2095.1 | 2106.7 | 2008.3 | 1971.0 | 1945.8 | 1918.4 |
| 52.5° | 1872.7 | 1897.6 | 1940.3 | 2043.6 | 2184.7 | 2244.2 | 2183.4 | 2150.8 | 2122.0 | 2077.3 |
| 55°   | 1766.1 | 1791.0 | 1878.4 | 2043.1 | 2229.4 | 2340.6 | 2348.9 | 2334.3 | 2302.0 | 2231.6 |
| 57.5° | 1541.4 | 1578.4 | 1716.8 | 1973.5 | 2228.6 | 2423.7 | 2511.1 | 2521.5 | 2485.3 | 2384.5 |
| 60°   | 1230.2 | 1280.3 | 1449.1 | 1819.2 | 2159.8 | 2468.6 | 2653.3 | 2705.3 | 2667.0 | 2535.2 |
| 62.5° | 858.4  | 916.5  | 1076.2 | 1577.6 | 2002.5 | 2436.3 | 2757.1 | 2853.3 | 2824.2 | 2670.0 |
| 65°   | 523.6  | 542.2  | 671.0  | 1241.4 | 1735.1 | 2300.9 | 2789.1 | 2933.3 | 2923.7 | 2752.4 |
| 67.5° | 348.8  | 364.4  | 401.4  | 851.3  | 1346.9 | 2030.5 | 2712.4 | 2919.3 | 2922.0 | 2739.0 |
| 70°   | 210.1  | 223.6  | 247.7  | 495.1  | 872.9  | 1607.2 | 2474.9 | 2741.2 | 2757.1 | 2559.5 |
| 72.5° | 86.6   | 95.6   | 117.5  | 224.4  | 452.1  | 1020.0 | 1970.8 | 2353.5 | 2390.5 | 2152.1 |
| 75°   | 49.0   | 53.7   | 69.0   | 112.6  | 196.2  | 475.4  | 1193.7 | 1670.7 | 1725.3 | 1483.3 |
| 77.5° | 32.6   | 34.8   | 44.7   | 72.9   | 110.4  | 162.2  | 510.2  | 870.4  | 974.6  | 810.2  |
| 80°   | 21.9   | 23.8   | 30.7   | 48.8   | 71.8   | 69.6   | 162.5  | 322.5  | 396.7  | 278.4  |
| 82.5° | 14.8   | 15.1   | 21.9   | 32.1   | 45.5   | 33.7   | 47.9   | 100.3  | 126.0  | 80.6   |
| 85°   | 8.5    | 8.2    | 16.2   | 18.6   | 20.3   | 14.0   | 14.5   | 30.1   | 39.5   | 34.0   |
| 87.5° | 1.1    | 1.6    | 6.3    | 4.9    | 2.7    | 3.0    | 3.0    | 5.2    | 7.7    | 8.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939216

CATALOG NUMBER: GLAN-SB1C-950-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 475.4  | 0°    | 475.4  | 475.4  | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |
| 475.9  | 2.5°  | 475.9  | 475.6  | 474.8 | 474.0 | 472.1 | 471.0 | 471.5 | 471.0 | 470.7 | 471.0 |
| 479.5  | 5°    | 479.5  | 478.6  | 476.5 | 473.7 | 469.9 | 465.2 | 462.2 | 457.8 | 453.7 | 451.3 |
| 489.1  | 7.5°  | 489.1  | 488.2  | 485.2 | 477.6 | 465.2 | 445.8 | 428.0 | 412.3 | 400.6 | 393.7 |
| 504.4  | 10°   | 504.4  | 503.0  | 498.4 | 481.4 | 449.1 | 406.6 | 371.2 | 341.9 | 322.8 | 313.7 |
| 522.5  | 12.5° | 522.5  | 520.8  | 512.6 | 477.8 | 418.4 | 352.1 | 303.3 | 270.7 | 252.9 | 244.9 |
| 543.3  | 15°   | 543.9  | 541.7  | 525.5 | 460.8 | 373.7 | 291.8 | 247.1 | 222.7 | 211.2 | 204.1 |
| 569.9  | 17.5° | 570.4  | 566.6  | 535.1 | 435.4 | 325.2 | 245.8 | 212.6 | 194.3 | 184.1 | 177.3 |
| 604.7  | 20°   | 605.0  | 598.7  | 542.8 | 404.9 | 280.6 | 216.7 | 189.3 | 174.0 | 166.3 | 160.3 |
| 654.0  | 22.5° | 653.2  | 644.1  | 552.1 | 372.1 | 249.1 | 196.7 | 172.1 | 160.8 | 154.5 | 147.7 |
| 722.8  | 25°   | 712.9  | 702.2  | 563.6 | 341.7 | 227.4 | 179.5 | 159.5 | 150.1 | 142.7 | 134.8 |
| 812.9  | 27.5° | 796.5  | 777.3  | 577.3 | 316.7 | 208.8 | 164.7 | 148.0 | 137.5 | 129.0 | 122.5 |
| 915.1  | 30°   | 889.6  | 858.1  | 589.3 | 301.7 | 191.8 | 151.0 | 132.9 | 122.5 | 114.5 | 109.9 |
| 1006.9 | 32.5° | 977.8  | 935.1  | 597.3 | 295.1 | 176.4 | 135.3 | 116.4 | 105.2 | 99.2  | 97.8  |
| 1096.8 | 35°   | 1061.1 | 1004.7 | 596.5 | 288.8 | 162.7 | 119.7 | 100.3 | 88.8  | 84.1  | 84.9  |
| 1193.5 | 37.5° | 1157.0 | 1078.9 | 590.7 | 278.9 | 151.5 | 105.5 | 86.3  | 76.2  | 72.1  | 72.3  |
| 1311.0 | 40°   | 1268.5 | 1164.7 | 587.1 | 260.3 | 139.2 | 92.3  | 74.8  | 66.6  | 63.6  | 62.5  |
| 1434.8 | 42.5° | 1387.5 | 1247.7 | 587.7 | 239.2 | 123.8 | 80.6  | 66.9  | 60.0  | 57.3  | 56.4  |
| 1572.7 | 45°   | 1506.9 | 1326.9 | 588.5 | 217.3 | 107.7 | 71.5  | 61.1  | 55.3  | 53.7  | 52.6  |
| 1712.4 | 47.5° | 1619.2 | 1394.3 | 573.2 | 193.7 | 91.8  | 64.7  | 56.4  | 52.6  | 51.2  | 49.9  |
| 1852.7 | 50°   | 1723.9 | 1439.2 | 536.2 | 166.3 | 79.2  | 59.2  | 52.9  | 50.1  | 48.8  | 47.4  |
| 1979.8 | 52.5° | 1805.3 | 1446.4 | 475.1 | 138.1 | 70.4  | 55.1  | 50.7  | 48.2  | 46.6  | 45.2  |
| 2082.5 | 55°   | 1841.4 | 1401.7 | 388.2 | 111.8 | 63.6  | 51.5  | 48.5  | 46.0  | 44.1  | 42.7  |
| 2163.4 | 57.5° | 1832.1 | 1307.7 | 302.8 | 89.9  | 57.0  | 47.9  | 45.8  | 44.1  | 41.9  | 39.7  |
| 2228.9 | 60°   | 1786.4 | 1182.0 | 228.2 | 74.8  | 51.0  | 44.1  | 42.7  | 41.4  | 38.4  | 35.1  |
| 2254.1 | 62.5° | 1707.2 | 1023.9 | 162.7 | 61.9  | 44.4  | 39.7  | 39.2  | 38.1  | 33.7  | 27.7  |
| 2216.8 | 65°   | 1586.1 | 831.8  | 109.6 | 51.5  | 38.1  | 34.8  | 35.1  | 33.2  | 27.4  | 20.5  |
| 2080.4 | 67.5° | 1409.1 | 608.2  | 70.1  | 42.2  | 31.8  | 29.0  | 29.3  | 28.2  | 23.3  | 17.5  |
| 1821.7 | 70°   | 1183.6 | 402.8  | 45.8  | 32.1  | 25.5  | 22.5  | 24.1  | 24.4  | 19.7  | 14.2  |
| 1398.1 | 72.5° | 867.7  | 237.8  | 32.1  | 23.8  | 18.6  | 15.6  | 19.7  | 20.3  | 15.9  | 10.7  |
| 841.1  | 75°   | 494.5  | 112.9  | 24.1  | 17.3  | 11.5  | 11.0  | 15.3  | 15.3  | 11.0  | 7.1   |
| 364.1  | 77.5° | 207.7  | 47.1   | 17.0  | 11.2  | 6.6   | 6.3   | 10.4  | 9.6   | 5.5   | 3.3   |
| 88.8   | 80°   | 60.0   | 21.1   | 9.0   | 5.5   | 2.7   | 2.5   | 4.1   | 3.0   | 1.4   | 0.5   |
| 33.7   | 82.5° | 23.6   | 9.3    | 3.6   | 2.2   | 1.1   | 1.1   | 0.5   | 0.0   | 0.0   | 0.0   |
| 19.2   | 85°   | 14.0   | 3.8    | 1.6   | 0.8   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4.1    | 87.5° | 3.6    | 0.8    | 0.5   | 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°  |
|-------|
| 475.4 |
| 472.1 |
| 451.8 |
| 394.0 |
| 312.9 |
| 244.1 |
| 204.4 |
| 176.7 |
| 159.2 |
| 146.6 |
| 134.0 |
| 121.1 |
| 109.0 |
| 98.6  |
| 84.9  |
| 73.4  |
| 62.2  |
| 56.2  |
| 52.6  |
| 49.9  |
| 47.4  |
| 44.9  |
| 42.5  |
| 39.5  |
| 34.5  |
| 27.1  |
| 20.0  |
| 16.7  |
| 13.7  |
| 10.1  |
| 6.6   |
| 3.3   |
| 0.5   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |