

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: P939892

Luminaire Tested: **GLAN-SB2C-950-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-950-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10328 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

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

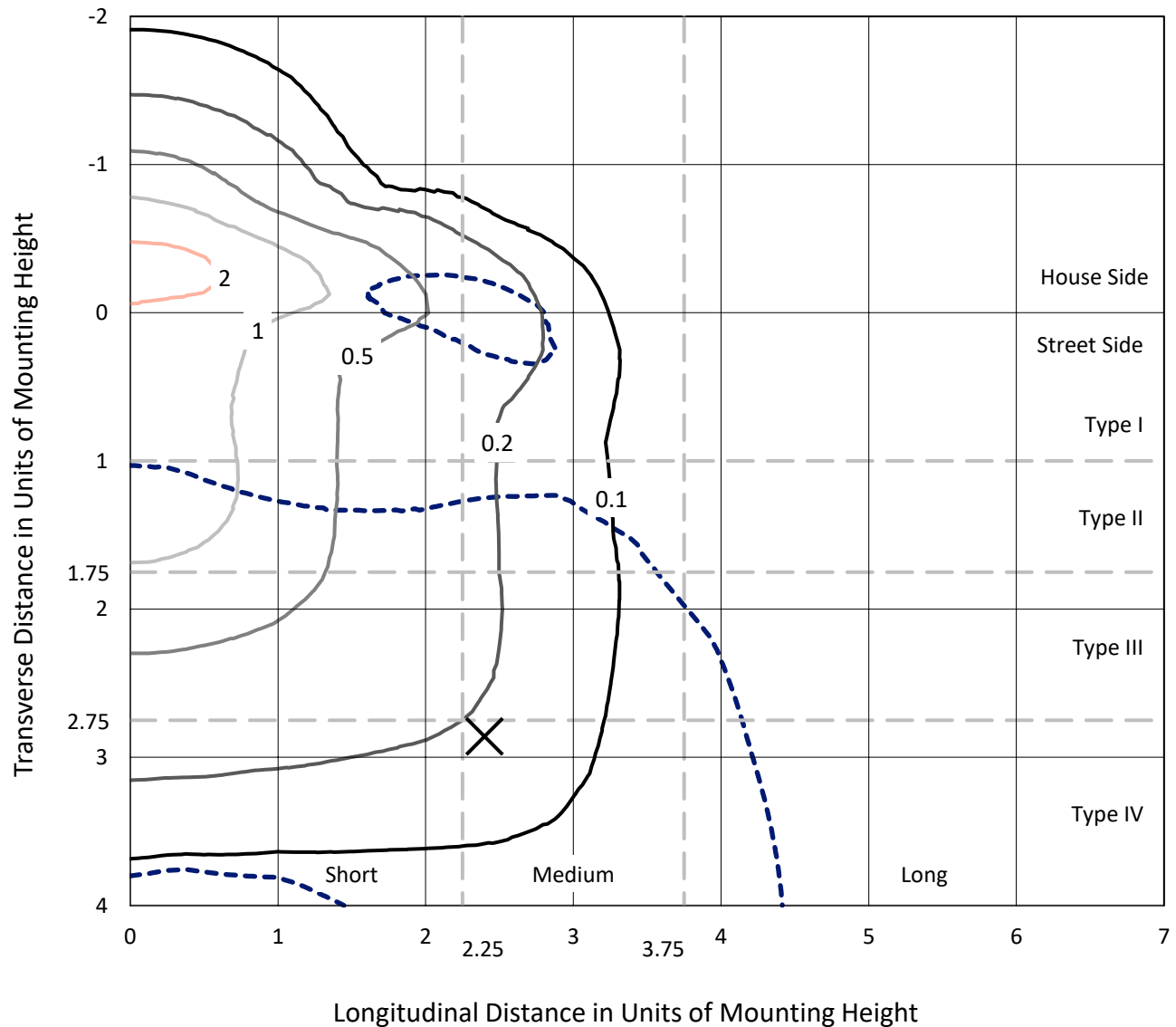


REPORT NUMBER: P939892

CATALOG NUMBER: GLAN-SB2C-950-U-SL4

## Iso-Footcandle Lines of Horizontal Illumination

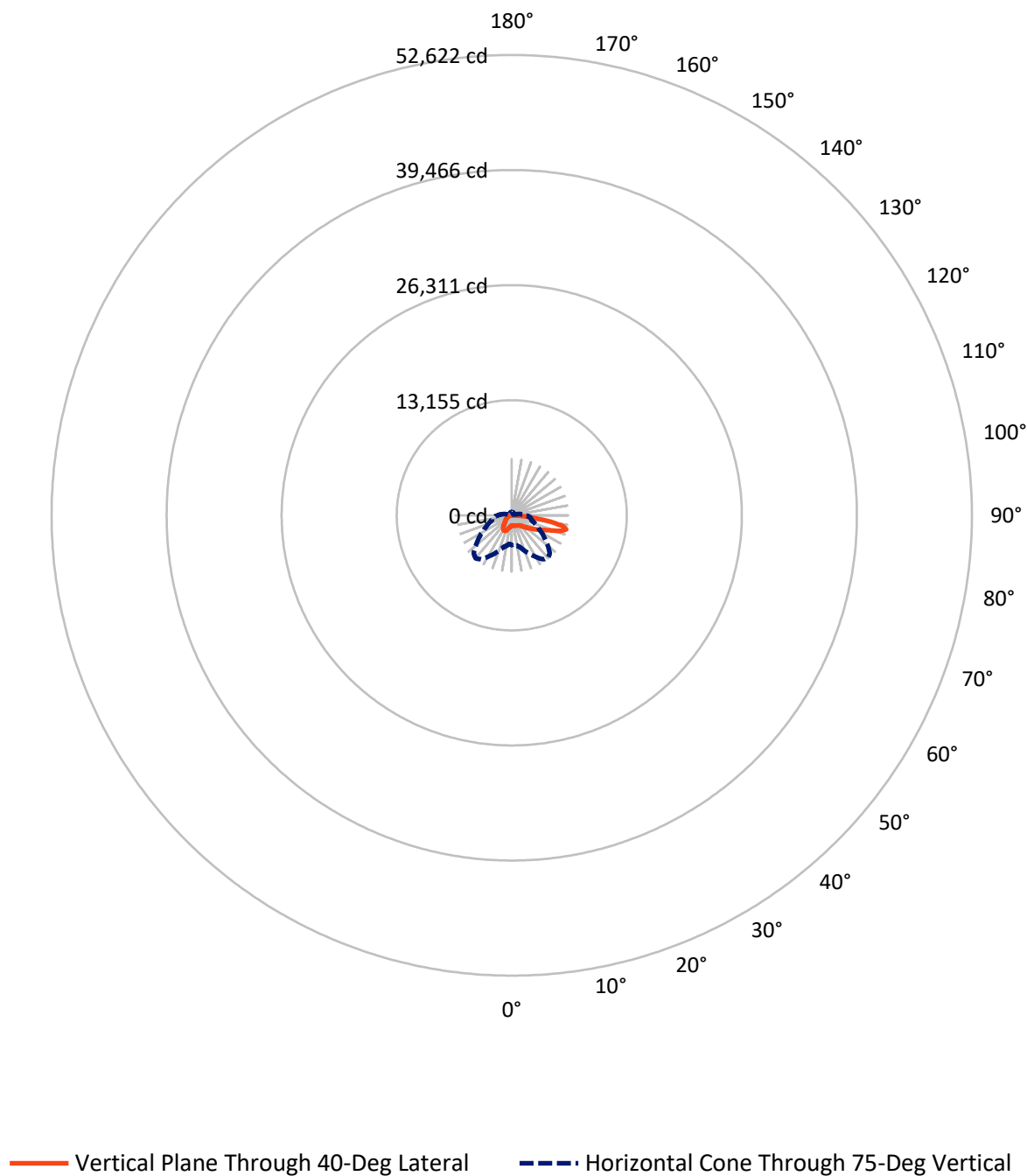
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
Type IV - Medium - N/A

REPORT NUMBER: P939892  
CATALOG NUMBER: GLAN-SB2C-950-U-SL4

## Luminous Intensity Polar Plot



REPORT NUMBER: P939892

CATALOG NUMBER: GLAN-SB2C-950-U-SL4

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3200.0   | 0.0    | 3200.0  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 7128.0   | 0.0    | 7128.0  |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 10328.0  | 0.0    | 10328.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 117.9   | 1.1       |
| 10°-20°   | 395.8   | 3.8       |
| 20°-30°   | 722.7   | 7.0       |
| 30°-40°   | 1025.0  | 9.9       |
| 40°-50°   | 1384.1  | 13.4      |
| 50°-60°   | 1861.9  | 18.0      |
| 60°-70°   | 2363.2  | 22.9      |
| 70°-80°   | 2144.8  | 20.8      |
| 80°-90°   | 312.6   | 3.0       |
| 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°    | 10328.0 | 100.0     |
| 0°-180°   | 10328.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939892

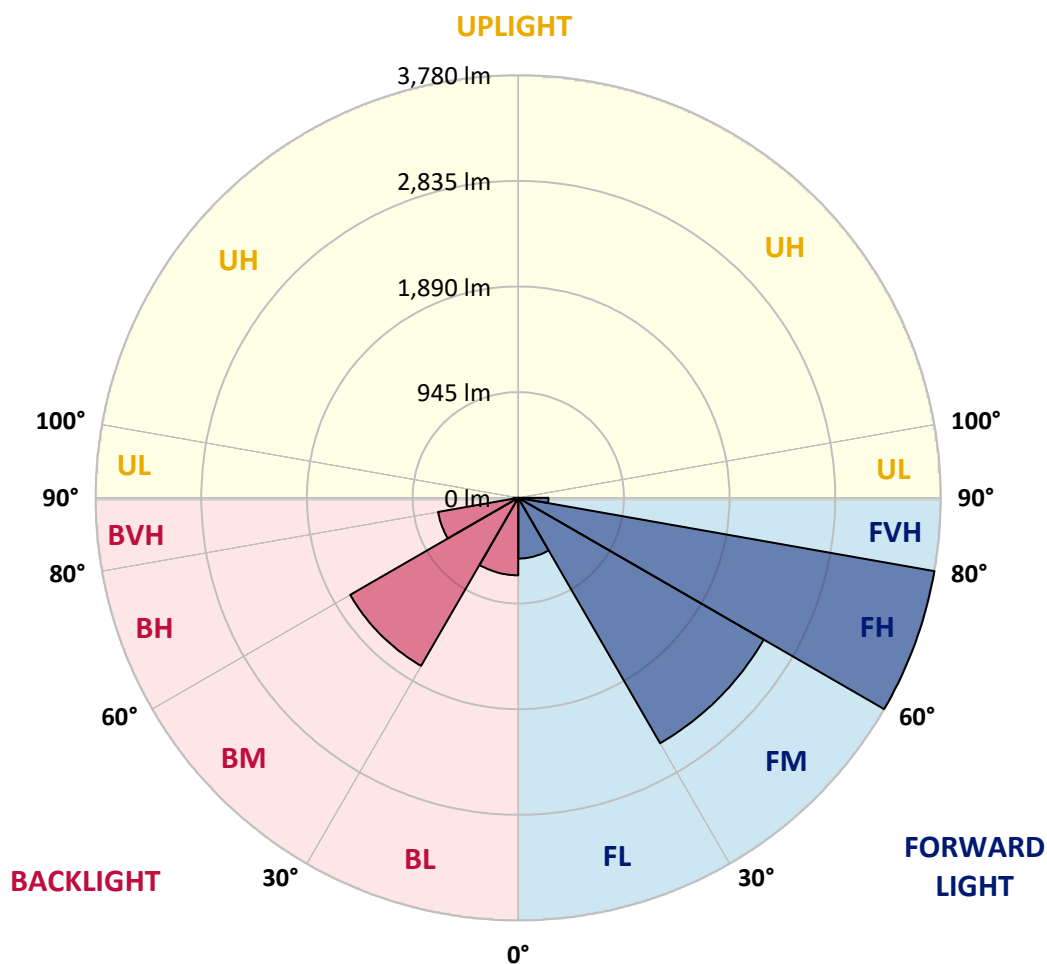
CATALOG NUMBER: GLAN-SB2C-950-U-SL4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 543.3  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 2535.3 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 3779.9 | 36.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 269.6  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 693.1  | 6.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1735.7 | 16.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 728.1  | 7.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 43.0   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium



REPORT NUMBER: P939892

CATALOG NUMBER: GLAN-SB2C-950-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5°  | 1162.9 | 1169.5 | 1167.9 | 1165.7 | 1165.7 | 1166.2 | 1165.7 | 1169.5 | 1173.4 | 1177.2 |
| 5°    | 1175.0 | 1181.6 | 1178.3 | 1175.5 | 1173.4 | 1172.8 | 1171.2 | 1170.6 | 1172.8 | 1177.7 |
| 7.5°  | 1198.5 | 1205.1 | 1200.2 | 1195.3 | 1190.9 | 1188.7 | 1186.5 | 1183.2 | 1181.6 | 1184.3 |
| 10°   | 1224.8 | 1231.4 | 1225.4 | 1216.6 | 1209.5 | 1206.8 | 1204.6 | 1201.3 | 1199.1 | 1200.7 |
| 12.5° | 1251.1 | 1257.7 | 1249.5 | 1237.4 | 1228.1 | 1226.5 | 1223.7 | 1222.7 | 1222.1 | 1221.6 |
| 15°   | 1275.8 | 1281.3 | 1270.9 | 1256.6 | 1246.8 | 1244.0 | 1241.3 | 1242.9 | 1245.7 | 1248.9 |
| 17.5° | 1295.0 | 1300.4 | 1285.1 | 1266.5 | 1257.2 | 1256.1 | 1254.4 | 1259.9 | 1267.6 | 1275.8 |
| 20°   | 1312.5 | 1318.0 | 1298.2 | 1273.0 | 1262.1 | 1262.1 | 1262.6 | 1274.1 | 1285.1 | 1297.2 |
| 22.5° | 1337.1 | 1341.5 | 1317.4 | 1282.9 | 1267.0 | 1268.1 | 1272.5 | 1284.0 | 1297.7 | 1314.1 |
| 25°   | 1373.8 | 1377.1 | 1347.5 | 1301.5 | 1283.5 | 1286.7 | 1290.6 | 1296.1 | 1309.2 | 1328.4 |
| 27.5° | 1433.0 | 1435.7 | 1396.8 | 1334.4 | 1307.0 | 1312.5 | 1318.0 | 1314.1 | 1320.2 | 1336.6 |
| 30°   | 1516.3 | 1517.9 | 1468.6 | 1385.9 | 1347.0 | 1349.7 | 1350.8 | 1334.9 | 1323.4 | 1336.6 |
| 32.5° | 1614.9 | 1614.3 | 1555.7 | 1448.3 | 1392.5 | 1389.7 | 1380.4 | 1349.2 | 1322.3 | 1333.9 |
| 35°   | 1767.7 | 1761.7 | 1686.1 | 1536.0 | 1444.0 | 1427.0 | 1405.1 | 1365.1 | 1327.8 | 1331.1 |
| 37.5° | 2020.8 | 2002.1 | 1897.5 | 1679.5 | 1520.6 | 1477.4 | 1445.1 | 1390.8 | 1339.9 | 1330.0 |
| 40°   | 2306.2 | 2282.6 | 2167.6 | 1876.2 | 1635.7 | 1566.1 | 1514.1 | 1427.5 | 1359.6 | 1334.9 |
| 42.5° | 2644.7 | 2611.3 | 2487.5 | 2107.9 | 1781.4 | 1680.6 | 1602.3 | 1474.1 | 1388.6 | 1350.8 |
| 45°   | 3060.5 | 3016.1 | 2840.8 | 2369.2 | 1964.9 | 1830.7 | 1726.1 | 1544.7 | 1433.0 | 1381.5 |
| 47.5° | 3480.6 | 3491.6 | 3242.3 | 2668.3 | 2185.1 | 2015.8 | 1881.1 | 1651.0 | 1497.6 | 1430.8 |
| 50°   | 3927.1 | 3934.7 | 3641.7 | 2999.7 | 2434.9 | 2225.1 | 2055.3 | 1769.9 | 1587.5 | 1500.9 |
| 52.5° | 4275.4 | 4276.5 | 4004.3 | 3346.4 | 2695.1 | 2455.2 | 2243.2 | 1905.7 | 1691.6 | 1594.0 |
| 55°   | 4493.5 | 4490.7 | 4258.5 | 3674.5 | 2994.2 | 2696.7 | 2451.3 | 2060.2 | 1818.6 | 1703.6 |
| 57.5° | 4651.8 | 4643.6 | 4433.8 | 3956.6 | 3313.0 | 2982.1 | 2686.9 | 2235.5 | 1968.7 | 1834.0 |
| 60°   | 4712.0 | 4707.1 | 4552.6 | 4200.4 | 3648.2 | 3297.7 | 2958.6 | 2431.6 | 2139.1 | 1987.9 |
| 62.5° | 4735.0 | 4744.4 | 4669.3 | 4436.5 | 4007.0 | 3647.1 | 3257.1 | 2666.1 | 2330.8 | 2162.1 |
| 65°   | 4816.1 | 4833.1 | 4817.8 | 4745.4 | 4412.4 | 4056.3 | 3653.2 | 2944.9 | 2540.1 | 2348.9 |
| 67.5° | 4976.6 | 4993.6 | 5000.2 | 5115.2 | 4907.6 | 4566.3 | 4147.3 | 3292.2 | 2784.9 | 2542.8 |
| 70°   | 4972.8 | 4967.8 | 5084.0 | 5409.4 | 5527.7 | 5272.4 | 4813.4 | 3719.4 | 3076.9 | 2703.9 |
| 72.5° | 4526.3 | 4486.9 | 4761.3 | 5406.1 | 6043.7 | 6009.7 | 5626.8 | 4270.5 | 3328.9 | 2723.6 |
| 75°   | 3395.7 | 3290.5 | 3775.3 | 4872.0 | 6129.7 | 6428.2 | 6143.9 | 4612.3 | 3269.2 | 2406.4 |
| 77.5° | 1452.2 | 1346.5 | 1917.8 | 3606.6 | 5486.0 | 6009.2 | 5669.6 | 4024.0 | 2609.6 | 1591.3 |
| 80°   | 380.2  | 379.6  | 579.6  | 1635.1 | 3731.0 | 4437.6 | 3893.1 | 2598.7 | 1491.1 | 568.6  |
| 82.5° | 157.2  | 153.4  | 213.1  | 636.0  | 1823.0 | 2490.2 | 2032.3 | 1159.1 | 538.5  | 153.9  |
| 85°   | 58.6   | 58.1   | 103.5  | 219.7  | 643.1  | 1027.1 | 743.3  | 296.4  | 134.2  | 75.0   |
| 87.5° | 16.4   | 15.9   | 22.5   | 76.1   | 156.7  | 237.7  | 127.1  | 48.8   | 37.8   | 29.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939892

CATALOG NUMBER: GLAN-SB2C-950-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1181.0 | 0°    | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 1183.2 | 2.5°  | 1184.9 | 1187.6 | 1192.5 | 1196.4 | 1201.3 | 1206.8 | 1214.4 | 1219.4 | 1224.3 | 1227.6 |
| 1186.0 | 5°    | 1189.8 | 1195.8 | 1208.4 | 1221.0 | 1235.8 | 1249.5 | 1265.4 | 1276.9 | 1286.2 | 1288.9 |
| 1195.8 | 7.5°  | 1200.7 | 1210.6 | 1232.0 | 1253.3 | 1276.9 | 1299.3 | 1322.3 | 1342.1 | 1358.0 | 1364.0 |
| 1213.3 | 10°   | 1219.9 | 1233.1 | 1263.2 | 1293.3 | 1324.5 | 1359.1 | 1388.6 | 1417.1 | 1439.6 | 1448.9 |
| 1234.2 | 12.5° | 1244.0 | 1260.4 | 1299.9 | 1341.5 | 1384.8 | 1432.5 | 1470.8 | 1505.9 | 1533.8 | 1546.4 |
| 1263.2 | 15°   | 1275.2 | 1296.6 | 1347.0 | 1402.9 | 1466.4 | 1532.7 | 1581.5 | 1620.3 | 1651.6 | 1666.9 |
| 1293.3 | 17.5° | 1309.2 | 1337.7 | 1401.2 | 1485.6 | 1576.5 | 1663.6 | 1720.6 | 1749.1 | 1781.4 | 1796.2 |
| 1321.3 | 20°   | 1342.1 | 1377.1 | 1468.1 | 1590.8 | 1711.8 | 1804.4 | 1850.4 | 1858.1 | 1860.3 | 1861.9 |
| 1347.5 | 22.5° | 1376.0 | 1423.1 | 1551.9 | 1723.3 | 1853.2 | 1917.2 | 1923.8 | 1890.9 | 1844.9 | 1823.6 |
| 1373.3 | 25°   | 1413.3 | 1475.7 | 1661.4 | 1869.6 | 1974.8 | 1982.4 | 1932.0 | 1852.1 | 1765.0 | 1725.0 |
| 1394.1 | 27.5° | 1449.4 | 1536.5 | 1792.9 | 2009.3 | 2062.4 | 1995.0 | 1886.6 | 1773.2 | 1668.0 | 1625.8 |
| 1408.9 | 30°   | 1485.6 | 1606.1 | 1938.1 | 2131.4 | 2102.4 | 1963.8 | 1814.8 | 1688.3 | 1582.5 | 1538.2 |
| 1422.0 | 32.5° | 1522.3 | 1687.2 | 2105.1 | 2219.6 | 2095.3 | 1897.5 | 1725.5 | 1593.0 | 1499.8 | 1453.3 |
| 1433.5 | 35°   | 1563.9 | 1786.9 | 2263.4 | 2267.8 | 2047.6 | 1800.0 | 1607.7 | 1479.0 | 1397.9 | 1360.7 |
| 1447.2 | 37.5° | 1618.2 | 1913.4 | 2403.1 | 2279.9 | 1964.4 | 1657.0 | 1461.5 | 1344.3 | 1277.4 | 1260.4 |
| 1467.5 | 40°   | 1685.5 | 2065.7 | 2509.9 | 2260.7 | 1841.1 | 1483.4 | 1301.5 | 1207.9 | 1170.1 | 1173.9 |
| 1494.9 | 42.5° | 1773.2 | 2236.1 | 2585.0 | 2211.4 | 1669.6 | 1304.3 | 1161.3 | 1119.7 | 1137.7 | 1153.1 |
| 1536.0 | 45°   | 1887.1 | 2413.0 | 2631.6 | 2127.6 | 1475.7 | 1152.5 | 1078.6 | 1088.4 | 1102.1 | 1103.8 |
| 1602.3 | 47.5° | 2032.8 | 2592.1 | 2662.2 | 2001.1 | 1278.0 | 1045.7 | 1026.0 | 1028.2 | 1025.5 | 1013.9 |
| 1701.4 | 50°   | 2214.7 | 2766.3 | 2689.6 | 1833.4 | 1109.8 | 978.9  | 952.6  | 944.9  | 907.1  | 869.9  |
| 1833.4 | 52.5° | 2421.7 | 2926.3 | 2701.1 | 1625.3 | 978.9  | 923.0  | 880.3  | 832.1  | 761.4  | 749.9  |
| 1999.4 | 55°   | 2651.8 | 3074.2 | 2671.5 | 1369.5 | 868.8  | 851.3  | 786.6  | 728.6  | 720.9  | 711.0  |
| 2218.0 | 57.5° | 2926.8 | 3233.6 | 2611.3 | 1084.1 | 755.9  | 767.4  | 704.4  | 711.0  | 697.3  | 682.0  |
| 2499.0 | 60°   | 3227.5 | 3398.4 | 2505.6 | 823.9  | 639.3  | 662.8  | 683.1  | 682.5  | 678.7  | 666.1  |
| 2795.3 | 62.5° | 3498.1 | 3506.9 | 2297.4 | 631.0  | 536.8  | 581.7  | 637.1  | 636.5  | 633.2  | 626.1  |
| 3104.8 | 65°   | 3659.2 | 3490.5 | 1950.1 | 496.8  | 452.5  | 514.9  | 574.6  | 579.0  | 579.6  | 579.0  |
| 3337.6 | 67.5° | 3630.7 | 3298.2 | 1473.5 | 395.5  | 382.9  | 447.0  | 512.7  | 518.8  | 523.1  | 524.2  |
| 3367.2 | 70°   | 3308.6 | 2875.9 | 960.8  | 315.5  | 321.0  | 387.3  | 454.1  | 460.1  | 464.0  | 468.4  |
| 2921.9 | 72.5° | 2579.0 | 2114.4 | 550.0  | 255.3  | 266.8  | 335.8  | 396.0  | 403.2  | 405.4  | 413.6  |
| 2033.4 | 75°   | 1571.6 | 1243.5 | 296.9  | 201.0  | 219.1  | 287.0  | 338.5  | 346.7  | 350.6  | 360.4  |
| 998.6  | 77.5° | 747.2  | 538.5  | 169.3  | 156.7  | 176.4  | 234.5  | 285.9  | 295.3  | 284.8  | 290.3  |
| 275.5  | 80°   | 252.5  | 199.9  | 106.8  | 119.4  | 134.8  | 183.0  | 229.0  | 238.3  | 216.4  | 215.3  |
| 91.5   | 82.5° | 88.2   | 81.1   | 67.9   | 79.4   | 87.1   | 130.9  | 173.1  | 185.2  | 161.0  | 160.5  |
| 41.1   | 85°   | 34.5   | 32.9   | 37.8   | 43.3   | 52.0   | 80.5   | 113.9  | 120.0  | 99.1   | 80.0   |
| 12.1   | 87.5° | 7.1    | 7.7    | 9.3    | 9.9    | 15.9   | 27.9   | 41.1   | 50.4   | 40.0   | 34.0   |
| 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°   |
|--------|
| 1181.0 |
| 1225.4 |
| 1290.0 |
| 1364.5 |
| 1449.4 |
| 1546.4 |
| 1665.8 |
| 1795.6 |
| 1866.3 |
| 1829.6 |
| 1731.0 |
| 1630.8 |
| 1543.1 |
| 1459.3 |
| 1368.9 |
| 1272.5 |
| 1187.0 |
| 1167.3 |
| 1114.7 |
| 1022.7 |
| 874.8  |
| 753.7  |
| 712.7  |
| 679.3  |
| 661.7  |
| 623.4  |
| 579.0  |
| 525.3  |
| 470.5  |
| 416.9  |
| 361.5  |
| 285.9  |
| 213.1  |
| 152.8  |
| 78.9   |
| 31.2   |
| 0.0    |