

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: P947306

Luminaire Tested: **GLAN-SB2C-940-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-940-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

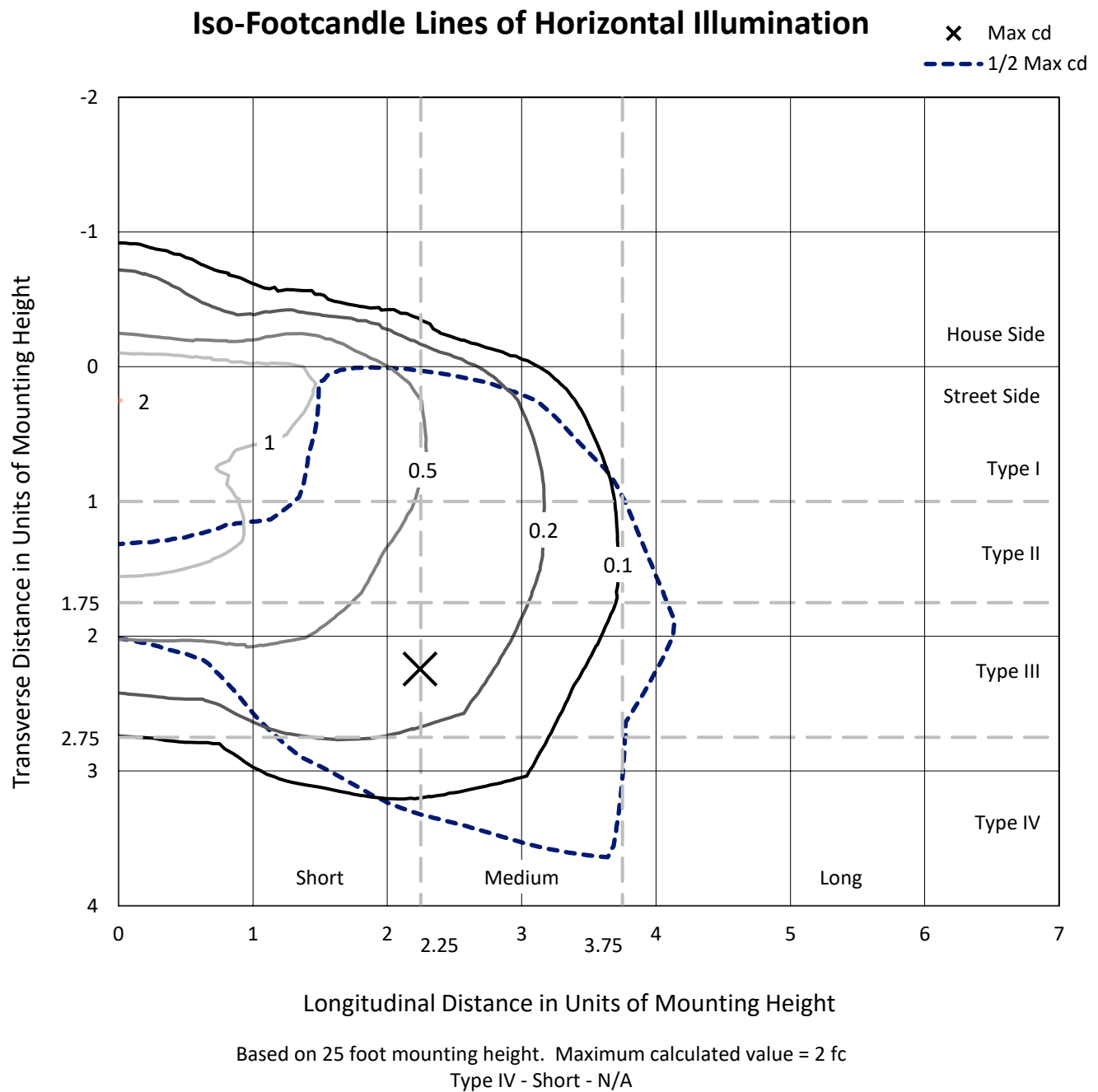
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8360 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

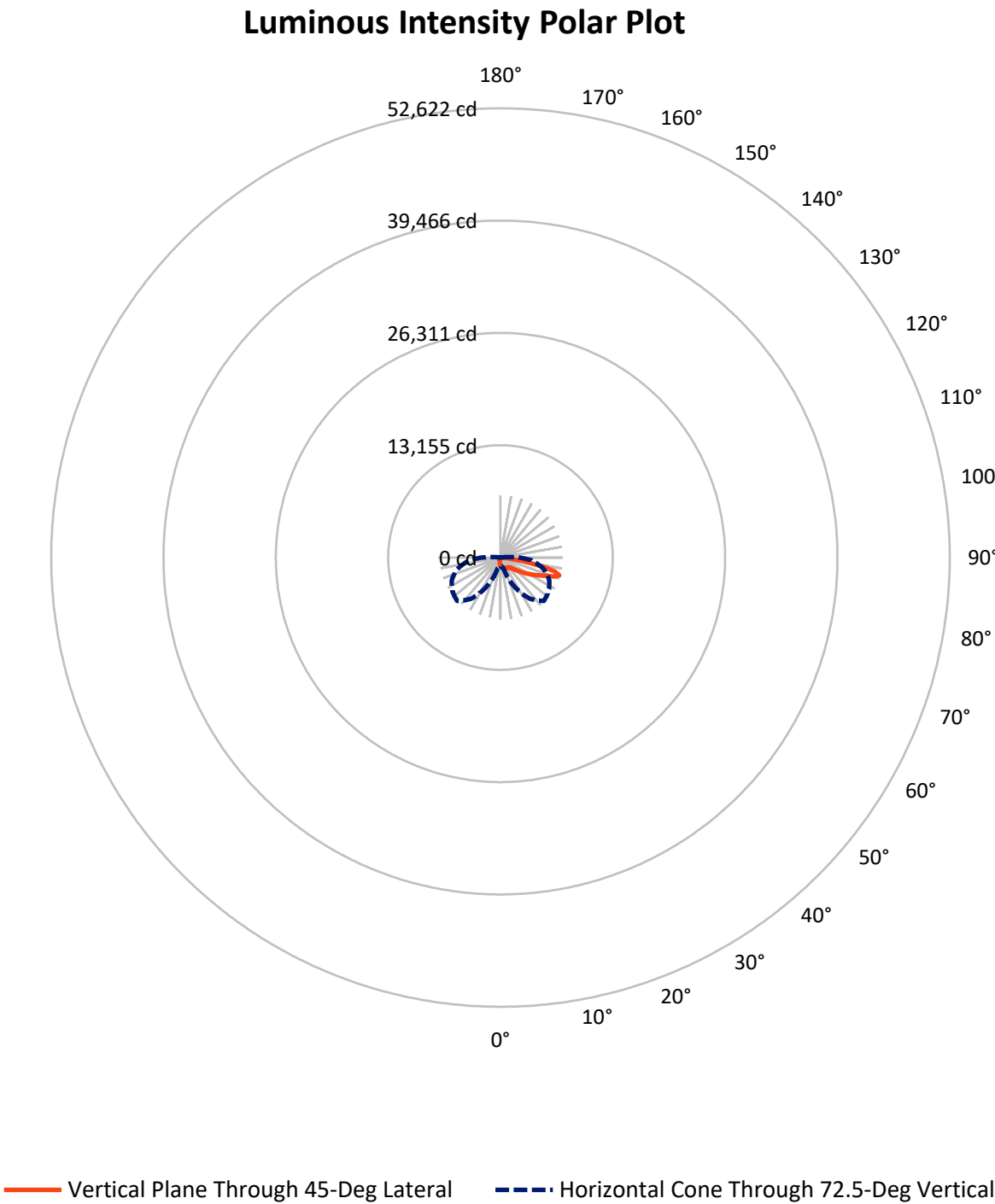
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P947306  
CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS



REPORT NUMBER: P947306  
CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS



REPORT NUMBER: P947306

CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS

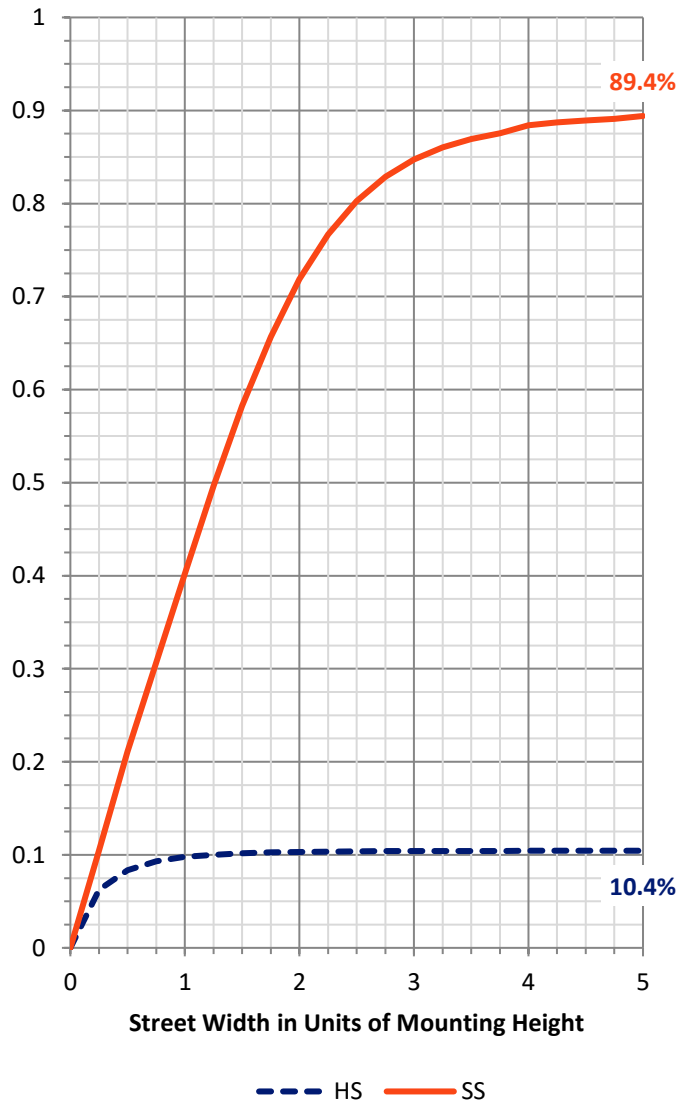
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 878.4    | 0.0    | 878.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 7481.6   | 0.0    | 7481.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 8360.0   | 0.0    | 8360.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.3   | 1.0       |
| 10°-20°   | 252.2  | 3.0       |
| 20°-30°   | 414.1  | 5.0       |
| 30°-40°   | 587.4  | 7.0       |
| 40°-50°   | 970.8  | 11.6      |
| 50°-60°   | 1744.0 | 20.9      |
| 60°-70°   | 2421.6 | 29.0      |
| 70°-80°   | 1756.6 | 21.0      |
| 80°-90°   | 127.0  | 1.5       |
| 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°    | 8360.0 | 100.0     |
| 0°-180°   | 8360.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P947306

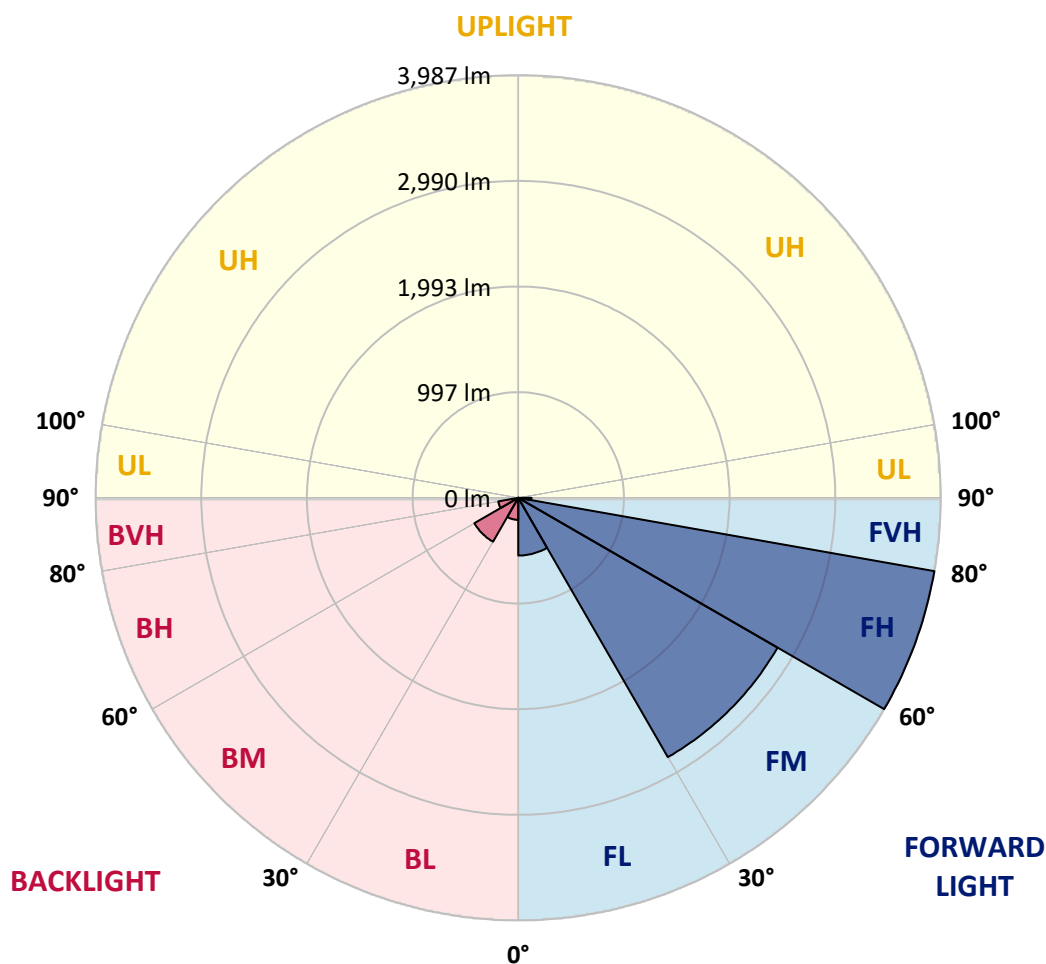
CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 544.6  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 2824.5 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 3986.6 | 47.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 125.9  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 208.1  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 477.7  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 191.5  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.1    | 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 IV Short



REPORT NUMBER: P947306

CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  | 915.9  |
| 2.5°  | 1000.3 | 1002.0 | 1000.9 | 994.0  | 982.6  | 976.3  | 972.9  | 961.5  | 954.1  | 941.0  |
| 5°    | 1092.2 | 1099.0 | 1095.0 | 1081.3 | 1059.7 | 1044.2 | 1039.7 | 1016.3 | 995.2  | 970.6  |
| 7.5°  | 1189.8 | 1193.2 | 1185.8 | 1168.1 | 1139.0 | 1112.7 | 1108.7 | 1076.2 | 1042.5 | 1004.9 |
| 10°   | 1274.2 | 1278.2 | 1266.8 | 1241.1 | 1208.0 | 1175.5 | 1169.8 | 1133.8 | 1093.9 | 1047.7 |
| 12.5° | 1345.0 | 1349.0 | 1334.1 | 1303.3 | 1266.8 | 1233.1 | 1227.4 | 1189.8 | 1145.8 | 1094.5 |
| 15°   | 1398.6 | 1406.0 | 1386.1 | 1353.0 | 1313.6 | 1279.9 | 1277.1 | 1240.0 | 1197.2 | 1140.1 |
| 17.5° | 1430.0 | 1437.4 | 1418.6 | 1378.6 | 1345.0 | 1316.4 | 1313.0 | 1282.2 | 1242.3 | 1187.5 |
| 20°   | 1435.1 | 1442.0 | 1422.0 | 1387.2 | 1359.2 | 1336.4 | 1334.7 | 1312.4 | 1283.3 | 1230.8 |
| 22.5° | 1419.7 | 1428.3 | 1410.0 | 1382.1 | 1362.7 | 1350.7 | 1348.4 | 1335.8 | 1319.3 | 1274.8 |
| 25°   | 1403.7 | 1410.6 | 1396.9 | 1372.4 | 1362.1 | 1360.9 | 1362.7 | 1360.4 | 1357.0 | 1319.3 |
| 27.5° | 1402.6 | 1410.0 | 1394.6 | 1371.2 | 1365.5 | 1377.5 | 1379.2 | 1390.0 | 1392.9 | 1359.8 |
| 30°   | 1412.3 | 1417.4 | 1402.6 | 1378.1 | 1375.2 | 1402.6 | 1403.2 | 1422.6 | 1427.1 | 1394.0 |
| 32.5° | 1433.4 | 1439.1 | 1424.3 | 1388.3 | 1384.3 | 1422.6 | 1424.3 | 1450.0 | 1457.4 | 1430.6 |
| 35°   | 1483.1 | 1489.9 | 1472.8 | 1416.9 | 1402.6 | 1441.4 | 1446.5 | 1476.8 | 1491.6 | 1469.4 |
| 37.5° | 1606.9 | 1586.9 | 1563.5 | 1474.5 | 1444.3 | 1471.1 | 1479.6 | 1515.0 | 1541.3 | 1515.6 |
| 40°   | 1914.5 | 1851.7 | 1778.6 | 1572.6 | 1517.3 | 1534.4 | 1541.3 | 1576.6 | 1612.6 | 1587.5 |
| 42.5° | 2376.1 | 2301.9 | 2184.4 | 1798.6 | 1627.4 | 1636.0 | 1641.1 | 1671.9 | 1722.7 | 1702.7 |
| 45°   | 2787.5 | 2760.7 | 2640.9 | 2184.4 | 1833.4 | 1791.2 | 1797.5 | 1813.5 | 1888.2 | 1880.8 |
| 47.5° | 3103.6 | 3088.2 | 2995.8 | 2627.2 | 2181.5 | 1981.2 | 1998.9 | 2006.3 | 2114.2 | 2140.4 |
| 50°   | 3346.7 | 3341.0 | 3258.3 | 3020.9 | 2636.3 | 2261.4 | 2267.7 | 2251.7 | 2413.2 | 2478.2 |
| 52.5° | 3576.1 | 3595.5 | 3534.5 | 3386.7 | 3121.9 | 2628.3 | 2627.2 | 2551.8 | 2769.8 | 2868.0 |
| 55°   | 3783.3 | 3790.1 | 3796.4 | 3759.9 | 3610.4 | 3046.0 | 3035.2 | 2911.9 | 3183.5 | 3285.1 |
| 57.5° | 3977.8 | 3980.7 | 4036.6 | 4111.4 | 4118.8 | 3494.5 | 3474.5 | 3326.8 | 3635.5 | 3707.9 |
| 60°   | 4108.5 | 4121.6 | 4239.8 | 4447.5 | 4538.2 | 3957.3 | 3946.5 | 3795.8 | 4095.4 | 4129.1 |
| 62.5° | 3920.2 | 4000.1 | 4298.0 | 4710.0 | 4934.2 | 4470.3 | 4465.2 | 4323.6 | 4579.3 | 4551.9 |
| 65°   | 3173.3 | 3308.5 | 3832.3 | 4887.4 | 5322.8 | 5043.2 | 5050.6 | 4900.0 | 5076.3 | 4987.3 |
| 67.5° | 2219.7 | 2362.4 | 2982.1 | 4901.7 | 5757.1 | 5716.0 | 5758.8 | 5522.5 | 5604.1 | 5404.4 |
| 70°   | 1535.0 | 1608.6 | 2012.0 | 4594.7 | 6095.4 | 6642.7 | 6641.5 | 6287.2 | 6129.1 | 5594.4 |
| 72.5° | 1032.3 | 1070.5 | 1306.7 | 3645.2 | 5846.6 | 7193.3 | 7160.2 | 6871.5 | 6306.0 | 5232.1 |
| 75°   | 435.4  | 463.3  | 604.9  | 2048.5 | 4625.5 | 6581.0 | 6491.4 | 6072.6 | 5603.0 | 4119.9 |
| 77.5° | 138.1  | 150.1  | 238.5  | 733.3  | 2547.8 | 4946.8 | 4852.0 | 3792.4 | 3755.3 | 2066.8 |
| 80°   | 65.6   | 76.5   | 134.1  | 294.4  | 1002.6 | 2690.5 | 2677.4 | 1720.4 | 1615.4 | 558.1  |
| 82.5° | 28.5   | 33.7   | 74.2   | 157.5  | 448.5  | 959.8  | 979.2  | 585.5  | 484.5  | 211.7  |
| 85°   | 9.1    | 12.0   | 34.2   | 72.5   | 189.4  | 238.5  | 235.7  | 139.2  | 195.2  | 115.3  |
| 87.5° | 0.0    | 0.0    | 11.4   | 16.5   | 19.4   | 13.7   | 15.4   | 12.0   | 54.2   | 32.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P947306

CATALOG NUMBER: GLAN-SB2C-940-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 915.9  | 0°    | 915.9  | 915.9  | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 927.3  | 2.5°  | 920.4  | 911.3  | 895.3 | 880.5 | 867.4 | 854.2 | 846.2 | 834.8 | 833.7 | 833.7 |
| 942.1  | 5°    | 926.7  | 911.9  | 883.3 | 853.1 | 818.3 | 785.2 | 752.1 | 720.1 | 709.9 | 702.4 |
| 966.1  | 7.5°  | 945.0  | 921.6  | 876.5 | 818.8 | 752.7 | 680.2 | 629.4 | 574.6 | 553.5 | 542.1 |
| 998.0  | 10°   | 971.2  | 939.3  | 870.8 | 769.8 | 662.5 | 563.8 | 491.3 | 432.0 | 409.1 | 399.4 |
| 1032.8 | 12.5° | 1000.3 | 960.9  | 860.5 | 708.7 | 563.8 | 445.7 | 374.9 | 347.5 | 344.1 | 344.1 |
| 1074.5 | 15°   | 1035.1 | 987.2  | 842.8 | 636.8 | 460.5 | 352.6 | 327.5 | 328.7 | 332.1 | 334.4 |
| 1115.0 | 17.5° | 1071.1 | 1015.1 | 814.9 | 556.4 | 369.2 | 317.3 | 317.8 | 319.6 | 322.4 | 324.7 |
| 1158.9 | 20°   | 1109.9 | 1043.1 | 777.8 | 470.8 | 316.7 | 307.0 | 308.7 | 310.4 | 312.7 | 313.8 |
| 1200.0 | 22.5° | 1151.5 | 1069.4 | 733.8 | 386.9 | 299.0 | 298.4 | 299.0 | 300.7 | 303.6 | 303.6 |
| 1248.0 | 25°   | 1196.0 | 1098.5 | 683.6 | 325.8 | 289.9 | 289.9 | 291.0 | 292.2 | 294.4 | 294.4 |
| 1294.2 | 27.5° | 1241.7 | 1125.3 | 630.5 | 293.9 | 281.9 | 281.3 | 281.3 | 283.0 | 284.2 | 284.7 |
| 1339.8 | 30°   | 1291.9 | 1156.7 | 577.5 | 287.0 | 275.6 | 272.8 | 271.0 | 272.2 | 273.3 | 273.9 |
| 1387.8 | 32.5° | 1343.3 | 1186.9 | 530.1 | 289.9 | 269.3 | 264.2 | 258.5 | 257.4 | 257.4 | 259.6 |
| 1437.4 | 35°   | 1400.3 | 1220.0 | 493.6 | 299.6 | 265.9 | 251.6 | 242.5 | 237.4 | 238.0 | 241.4 |
| 1496.8 | 37.5° | 1468.8 | 1259.9 | 466.8 | 308.1 | 263.6 | 237.4 | 222.5 | 216.3 | 212.3 | 216.3 |
| 1578.4 | 40°   | 1558.4 | 1318.7 | 447.4 | 315.0 | 260.8 | 220.8 | 200.9 | 190.6 | 183.2 | 185.5 |
| 1705.0 | 42.5° | 1690.2 | 1411.2 | 440.0 | 315.6 | 254.5 | 201.4 | 178.6 | 164.9 | 154.1 | 154.6 |
| 1895.6 | 45°   | 1875.1 | 1557.2 | 478.2 | 308.1 | 240.8 | 180.3 | 155.2 | 137.0 | 130.1 | 128.4 |
| 2180.4 | 47.5° | 2128.4 | 1770.1 | 566.6 | 292.7 | 220.8 | 159.8 | 132.4 | 117.0 | 111.8 | 109.0 |
| 2554.1 | 50°   | 2468.0 | 2043.4 | 664.8 | 275.6 | 200.9 | 140.4 | 113.6 | 103.9 | 100.4 | 97.6  |
| 2997.5 | 52.5° | 2861.7 | 2320.7 | 745.2 | 258.5 | 180.9 | 123.3 | 101.6 | 95.9  | 93.0  | 90.7  |
| 3425.5 | 55°   | 3222.9 | 2511.9 | 740.7 | 240.2 | 161.5 | 109.6 | 93.0  | 89.6  | 86.2  | 83.9  |
| 3794.1 | 57.5° | 3447.7 | 2538.7 | 610.6 | 220.3 | 139.2 | 98.7  | 85.0  | 82.7  | 78.7  | 75.9  |
| 4113.1 | 60°   | 3551.0 | 2385.8 | 428.0 | 194.0 | 117.0 | 88.4  | 76.5  | 75.3  | 70.2  | 66.2  |
| 4414.9 | 62.5° | 3569.8 | 2101.6 | 285.3 | 161.5 | 97.6  | 78.7  | 67.9  | 66.2  | 59.3  | 52.5  |
| 4660.3 | 65°   | 3493.4 | 1695.3 | 197.4 | 126.1 | 83.3  | 68.5  | 58.2  | 54.8  | 47.4  | 40.5  |
| 4718.5 | 67.5° | 3251.4 | 1190.3 | 137.5 | 90.7  | 70.8  | 54.2  | 46.2  | 45.1  | 39.4  | 33.7  |
| 4421.8 | 70°   | 2808.1 | 678.5  | 91.9  | 67.9  | 55.9  | 37.1  | 36.5  | 37.7  | 32.0  | 27.4  |
| 3612.6 | 72.5° | 2153.0 | 310.4  | 57.1  | 49.6  | 38.2  | 25.1  | 29.1  | 29.7  | 24.5  | 20.5  |
| 2254.0 | 75°   | 1267.4 | 133.0  | 35.9  | 32.0  | 19.4  | 16.5  | 21.1  | 21.7  | 16.5  | 13.1  |
| 824.0  | 77.5° | 431.4  | 50.2   | 22.8  | 18.8  | 9.7   | 9.1   | 13.7  | 13.7  | 9.1   | 5.1   |
| 165.5  | 80°   | 98.1   | 18.8   | 11.4  | 7.4   | 4.6   | 4.0   | 4.6   | 4.0   | 2.3   | 0.6   |
| 50.8   | 82.5° | 28.0   | 7.4    | 4.6   | 2.9   | 1.7   | 1.7   | 0.6   | 0.0   | 0.0   | 0.0   |
| 17.7   | 85°   | 8.0    | 3.4    | 1.1   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 6.3    | 87.5° | 3.4    | 0.6    | 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°  |
|-------|
| 915.9 |
| 836.5 |
| 705.9 |
| 543.8 |
| 399.4 |
| 344.1 |
| 334.4 |
| 324.7 |
| 314.4 |
| 304.7 |
| 295.0 |
| 285.3 |
| 275.0 |
| 261.3 |
| 243.1 |
| 215.1 |
| 184.3 |
| 152.4 |
| 126.1 |
| 107.3 |
| 97.0  |
| 90.2  |
| 82.7  |
| 75.3  |
| 65.1  |
| 49.1  |
| 38.2  |
| 32.0  |
| 25.1  |
| 18.3  |
| 11.4  |
| 4.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |