

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: P847868

Luminaire Tested: **GLAN-SB4A-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12137 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

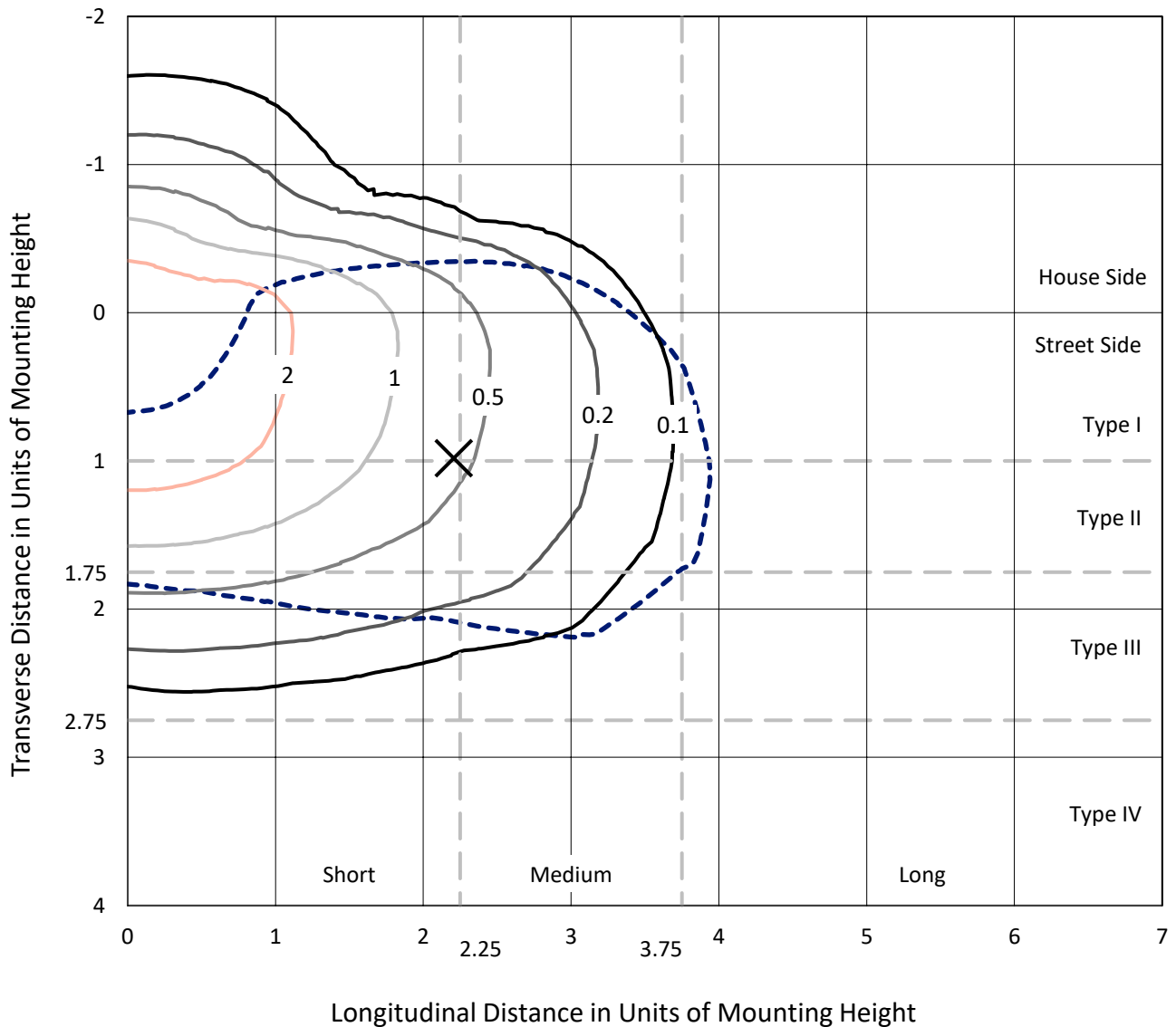
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847868  
 CATALOG NUMBER: GLAN-SB4A-930-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

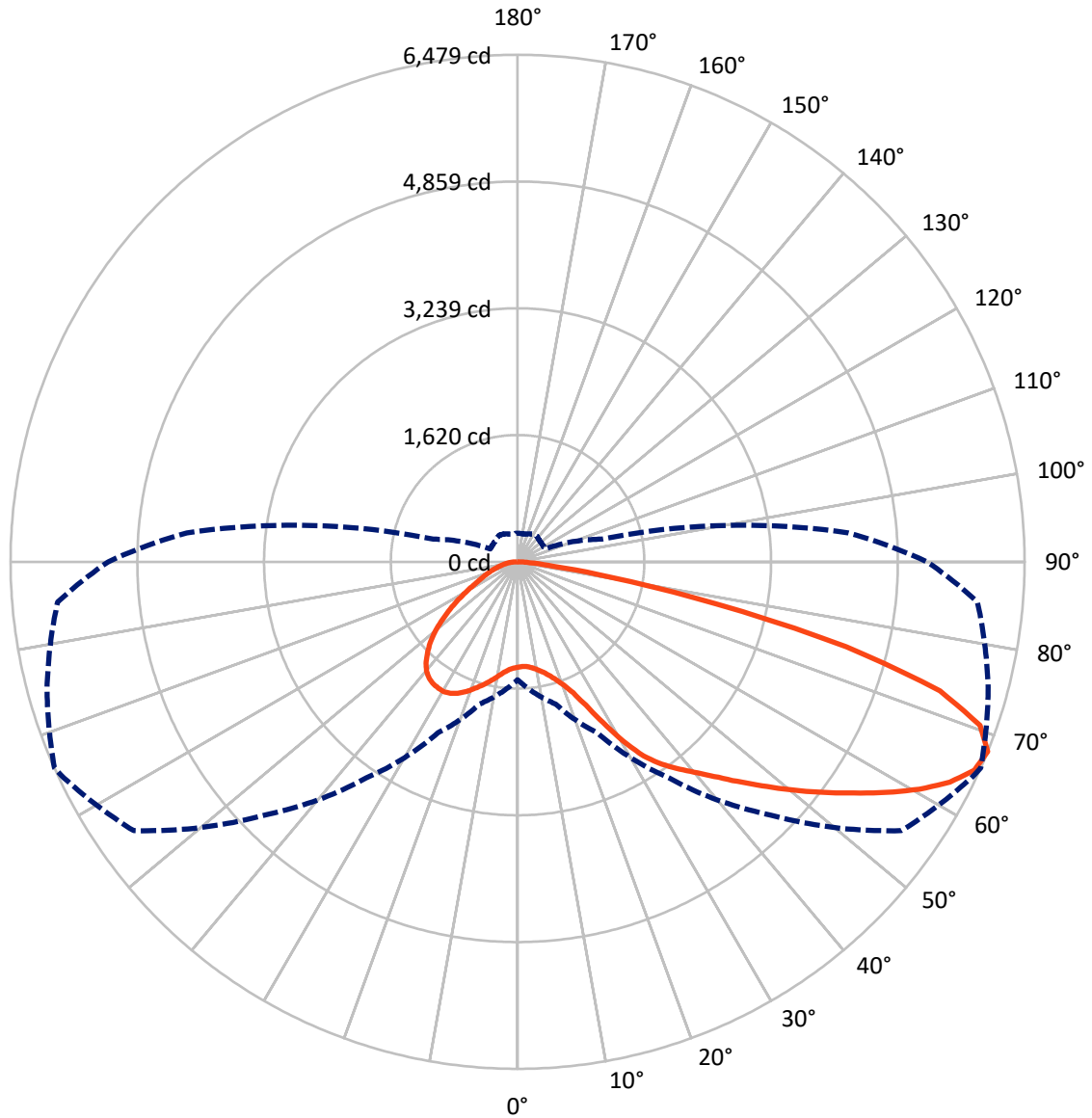
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P847868  
CATALOG NUMBER: GLAN-SB4A-930-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847868  
 CATALOG NUMBER: GLAN-SB4A-930-U-T3

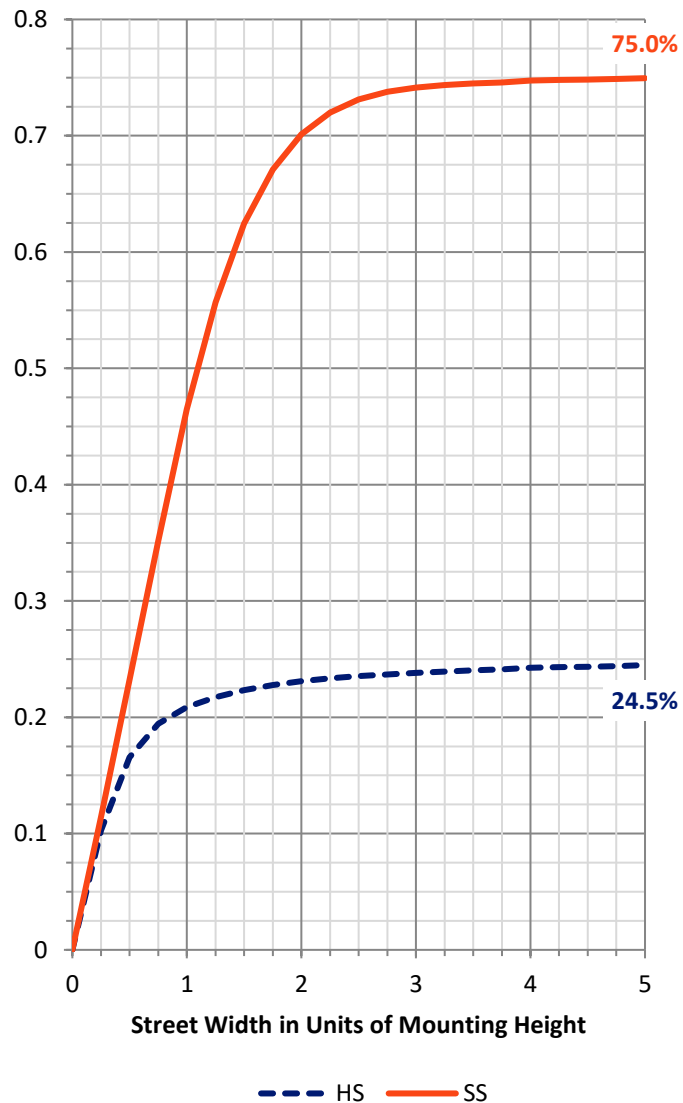
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3017.8   | 0.0    | 3017.8  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 9119.2   | 0.0    | 9119.2  |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 12137.0  | 0.0    | 12137.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 133.5   | 1.1       |
| 10°-20°   | 441.0   | 3.6       |
| 20°-30°   | 849.9   | 7.0       |
| 30°-40°   | 1490.2  | 12.3      |
| 40°-50°   | 2215.5  | 18.3      |
| 50°-60°   | 2808.3  | 23.1      |
| 60°-70°   | 2747.9  | 22.6      |
| 70°-80°   | 1310.8  | 10.8      |
| 80°-90°   | 140.1   | 1.2       |
| 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°    | 12137.0 | 100.0     |
| 0°-180°   | 12137.0 | 100.0     |

**Coefficient of Utilization**



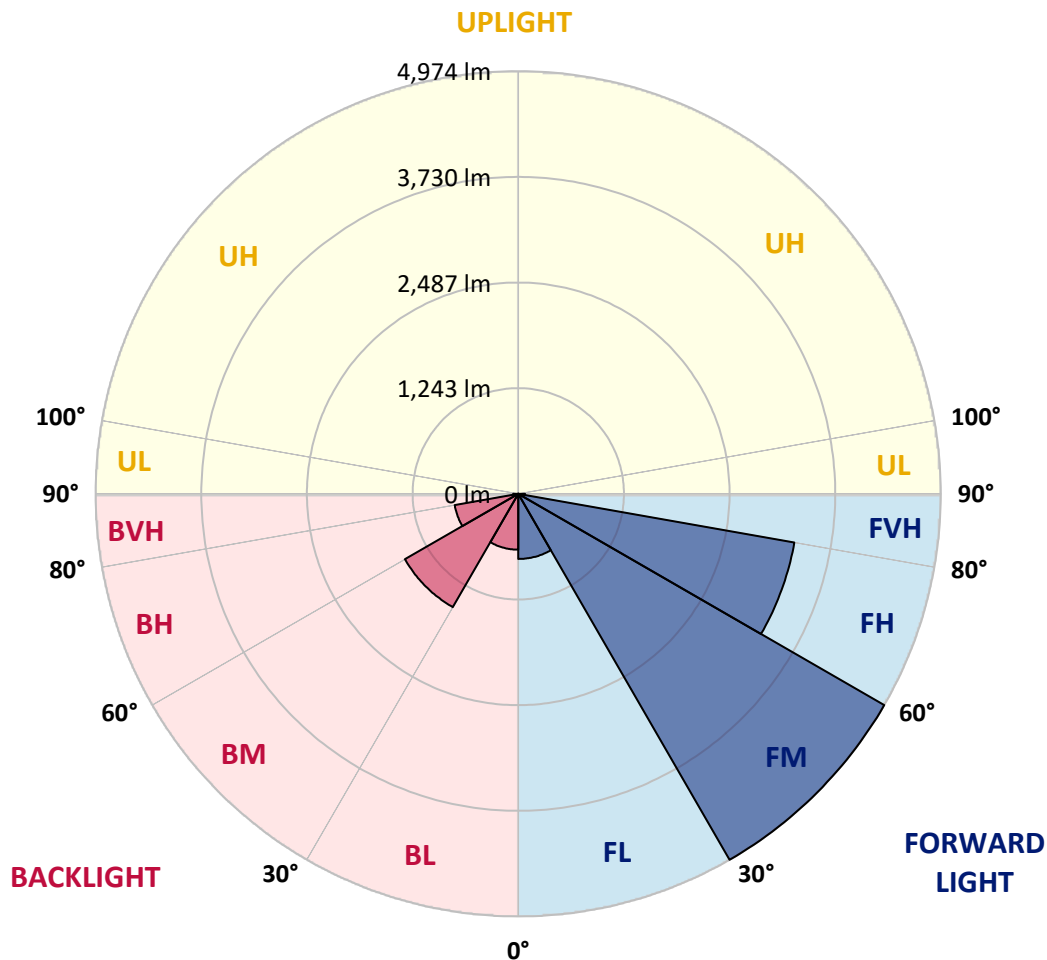
REPORT NUMBER: P847868  
 CATALOG NUMBER: GLAN-SB4A-930-U-T3

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 766.9  | 6.3       |                         |      |         |
| FM (30°-60°)   | 4973.6 | 41.0      |                         |      |         |
| FH (60°-80°)   | 3299.2 | 27.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 79.4   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 657.4  | 5.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 1540.3 | 12.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 759.4  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 60.7   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short



REPORT NUMBER: P847868  
 CATALOG NUMBER: GLAN-SB4A-930-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 |
| 2.5°  | 1332.1 | 1339.8 | 1337.9 | 1334.7 | 1334.0 | 1335.3 | 1337.2 | 1339.1 | 1338.5 | 1341.7 |
| 5°    | 1328.3 | 1336.0 | 1335.3 | 1335.3 | 1337.9 | 1343.0 | 1346.2 | 1349.3 | 1346.2 | 1350.0 |
| 7.5°  | 1330.8 | 1336.6 | 1339.1 | 1341.7 | 1348.1 | 1357.6 | 1365.3 | 1372.3 | 1368.5 | 1372.9 |
| 10°   | 1363.4 | 1367.8 | 1370.4 | 1370.4 | 1374.8 | 1385.7 | 1393.3 | 1406.1 | 1402.9 | 1409.9 |
| 12.5° | 1422.7 | 1427.1 | 1427.1 | 1424.6 | 1427.8 | 1434.8 | 1437.3 | 1451.4 | 1445.6 | 1457.1 |
| 15°   | 1495.4 | 1504.3 | 1497.3 | 1492.8 | 1494.1 | 1501.1 | 1500.5 | 1511.3 | 1505.6 | 1515.1 |
| 17.5° | 1575.7 | 1587.2 | 1575.7 | 1575.1 | 1572.5 | 1580.2 | 1580.8 | 1590.4 | 1580.2 | 1587.2 |
| 20°   | 1670.7 | 1686.7 | 1677.1 | 1680.3 | 1674.6 | 1677.8 | 1680.9 | 1695.0 | 1679.0 | 1684.1 |
| 22.5° | 1804.6 | 1823.8 | 1813.6 | 1825.7 | 1821.9 | 1819.3 | 1818.7 | 1843.5 | 1818.7 | 1820.6 |
| 25°   | 1999.8 | 2022.7 | 2004.9 | 2021.5 | 2021.5 | 2029.8 | 2039.3 | 2071.2 | 2029.8 | 2017.6 |
| 27.5° | 2288.0 | 2311.0 | 2275.9 | 2286.1 | 2282.9 | 2303.3 | 2293.1 | 2372.2 | 2327.6 | 2307.8 |
| 30°   | 2634.9 | 2675.7 | 2609.4 | 2606.9 | 2603.7 | 2636.2 | 2650.9 | 2703.1 | 2657.9 | 2638.1 |
| 32.5° | 3009.9 | 3052.6 | 2973.5 | 2950.6 | 2938.5 | 2958.2 | 2946.1 | 2988.2 | 2956.9 | 2926.3 |
| 35°   | 3406.5 | 3448.6 | 3373.4 | 3328.7 | 3280.3 | 3238.8 | 3195.4 | 3206.3 | 3176.9 | 3130.4 |
| 37.5° | 3781.5 | 3858.6 | 3778.9 | 3731.1 | 3641.8 | 3560.8 | 3439.7 | 3389.3 | 3361.9 | 3319.2 |
| 40°   | 4163.4 | 4207.4 | 4146.9 | 4106.1 | 4009.1 | 3882.2 | 3688.4 | 3581.9 | 3544.9 | 3503.4 |
| 42.5° | 4444.7 | 4486.8 | 4454.2 | 4426.2 | 4350.3 | 4203.0 | 3952.4 | 3819.1 | 3765.5 | 3719.0 |
| 45°   | 4667.9 | 4699.1 | 4678.7 | 4688.9 | 4656.4 | 4513.5 | 4225.9 | 4073.5 | 4018.1 | 3961.3 |
| 47.5° | 4757.8 | 4790.9 | 4823.5 | 4884.0 | 4939.5 | 4834.3 | 4519.9 | 4349.0 | 4290.3 | 4232.3 |
| 50°   | 4747.6 | 4781.4 | 4875.7 | 5004.6 | 5176.7 | 5141.7 | 4829.8 | 4642.3 | 4588.1 | 4521.8 |
| 52.5° | 4665.9 | 4704.2 | 4825.4 | 5039.6 | 5313.8 | 5371.9 | 5145.5 | 4945.2 | 4894.2 | 4815.2 |
| 55°   | 4451.7 | 4474.6 | 4656.4 | 4959.9 | 5346.4 | 5532.6 | 5454.8 | 5267.9 | 5216.9 | 5106.6 |
| 57.5° | 4054.4 | 4087.6 | 4352.2 | 4745.0 | 5264.7 | 5641.6 | 5726.4 | 5607.2 | 5558.1 | 5399.3 |
| 60°   | 3536.0 | 3588.9 | 3891.8 | 4384.1 | 5056.8 | 5641.0 | 5973.2 | 5940.7 | 5899.9 | 5687.5 |
| 62.5° | 2949.3 | 3010.5 | 3301.9 | 3873.9 | 4693.4 | 5480.9 | 6127.5 | 6220.0 | 6198.9 | 5953.4 |
| 65°   | 2265.1 | 2307.1 | 2597.3 | 3213.9 | 4127.7 | 5137.2 | 6145.4 | 6410.7 | 6414.5 | 6155.6 |
| 67.5° | 1508.1 | 1629.3 | 1881.2 | 2411.7 | 3370.2 | 4575.4 | 5988.5 | 6441.9 | 6478.9 | 6225.1 |
| 70°   | 735.9  | 895.3  | 1142.1 | 1567.4 | 2411.7 | 3713.9 | 5578.5 | 6185.5 | 6267.8 | 6022.3 |
| 72.5° | 305.5  | 357.1  | 491.7  | 773.5  | 1384.4 | 2506.1 | 4754.6 | 5490.5 | 5642.9 | 5336.2 |
| 75°   | 206.0  | 223.2  | 281.2  | 396.6  | 630.7  | 1235.8 | 3428.8 | 4093.9 | 4339.4 | 4030.2 |
| 77.5° | 158.8  | 169.6  | 204.7  | 277.4  | 375.0  | 467.4  | 1835.3 | 2467.2 | 2594.1 | 2401.5 |
| 80°   | 125.0  | 133.3  | 153.0  | 202.1  | 265.9  | 250.0  | 625.6  | 1117.9 | 1191.2 | 999.3  |
| 82.5° | 108.4  | 111.6  | 109.7  | 137.1  | 176.6  | 146.0  | 205.3  | 412.6  | 455.3  | 330.3  |
| 85°   | 78.4   | 87.4   | 91.2   | 84.8   | 93.7   | 74.0   | 84.2   | 146.0  | 160.7  | 143.5  |
| 87.5° | 31.9   | 47.2   | 58.0   | 54.8   | 34.4   | 21.0   | 26.1   | 42.7   | 49.1   | 53.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P847868  
 CATALOG NUMBER: GLAN-SB4A-930-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1346.2 | 0°    | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 | 1346.2 |
| 1346.8 | 2.5°  | 1347.4 | 1351.9 | 1355.1 | 1358.9 | 1361.5 | 1365.3 | 1372.9 | 1377.4 | 1378.0 | 1381.2 |
| 1357.0 | 5°    | 1359.5 | 1365.9 | 1372.9 | 1383.1 | 1394.6 | 1404.2 | 1418.8 | 1429.1 | 1432.9 | 1436.1 |
| 1381.9 | 7.5°  | 1385.7 | 1394.6 | 1407.4 | 1425.2 | 1441.8 | 1454.6 | 1472.4 | 1484.5 | 1496.6 | 1501.1 |
| 1421.4 | 10°   | 1424.6 | 1437.3 | 1455.8 | 1480.1 | 1497.9 | 1514.5 | 1533.0 | 1543.2 | 1555.3 | 1560.4 |
| 1468.6 | 12.5° | 1473.1 | 1486.4 | 1510.7 | 1544.5 | 1561.1 | 1572.5 | 1578.9 | 1576.4 | 1578.9 | 1583.4 |
| 1525.3 | 15°   | 1528.5 | 1543.2 | 1570.6 | 1607.0 | 1618.4 | 1608.2 | 1594.2 | 1581.5 | 1579.5 | 1580.8 |
| 1594.2 | 17.5° | 1594.2 | 1605.1 | 1636.9 | 1667.5 | 1659.3 | 1617.2 | 1586.6 | 1566.2 | 1556.0 | 1552.8 |
| 1682.2 | 20°   | 1686.0 | 1686.0 | 1712.2 | 1731.3 | 1675.8 | 1604.4 | 1556.6 | 1523.4 | 1502.4 | 1493.5 |
| 1802.1 | 22.5° | 1797.6 | 1787.4 | 1804.0 | 1790.6 | 1672.6 | 1568.7 | 1502.4 | 1445.0 | 1413.1 | 1400.4 |
| 1969.8 | 25°   | 1939.2 | 1927.1 | 1922.6 | 1839.7 | 1649.7 | 1512.0 | 1404.2 | 1334.7 | 1306.6 | 1299.6 |
| 2211.5 | 27.5° | 2152.8 | 2122.2 | 2064.2 | 1866.5 | 1607.6 | 1422.7 | 1289.4 | 1225.0 | 1209.1 | 1209.7 |
| 2522.0 | 30°   | 2437.2 | 2376.0 | 2233.8 | 1871.0 | 1538.7 | 1296.4 | 1172.1 | 1126.2 | 1118.5 | 1121.7 |
| 2782.9 | 32.5° | 2700.6 | 2642.6 | 2407.3 | 1850.6 | 1432.9 | 1172.7 | 1066.8 | 1036.2 | 1024.8 | 1028.6 |
| 2981.8 | 35°   | 2907.2 | 2891.3 | 2568.0 | 1821.9 | 1302.8 | 1056.6 | 972.5  | 946.3  | 924.0  | 918.9  |
| 3169.3 | 37.5° | 3102.3 | 3096.0 | 2688.5 | 1781.7 | 1174.0 | 974.4  | 896.6  | 862.2  | 829.6  | 811.8  |
| 3376.5 | 40°   | 3316.6 | 3310.2 | 2767.6 | 1719.8 | 1059.8 | 903.0  | 828.4  | 783.1  | 742.9  | 710.4  |
| 3611.2 | 42.5° | 3557.6 | 3520.0 | 2805.2 | 1631.2 | 962.9  | 842.4  | 772.9  | 711.7  | 658.7  | 628.8  |
| 3876.5 | 45°   | 3821.0 | 3736.2 | 2804.5 | 1518.3 | 881.3  | 786.9  | 713.6  | 626.8  | 577.7  | 549.7  |
| 4148.8 | 47.5° | 4100.3 | 3942.8 | 2770.1 | 1393.3 | 802.2  | 725.7  | 621.7  | 555.4  | 522.9  | 505.7  |
| 4444.7 | 50°   | 4388.6 | 4136.0 | 2711.4 | 1249.9 | 721.2  | 656.2  | 564.4  | 519.1  | 494.2  | 478.3  |
| 4738.0 | 52.5° | 4659.6 | 4311.4 | 2640.7 | 1087.3 | 639.0  | 588.6  | 538.8  | 503.8  | 477.6  | 459.8  |
| 5022.4 | 55°   | 4911.5 | 4462.5 | 2540.5 | 920.8  | 572.0  | 543.3  | 526.7  | 497.4  | 467.4  | 446.4  |
| 5311.3 | 57.5° | 5135.3 | 4560.7 | 2367.7 | 764.6  | 524.2  | 512.1  | 514.0  | 486.6  | 452.1  | 434.3  |
| 5595.7 | 60°   | 5321.5 | 4632.8 | 2112.0 | 619.8  | 485.3  | 481.5  | 494.2  | 466.1  | 426.0  | 405.6  |
| 5836.1 | 62.5° | 5433.1 | 4631.5 | 1798.3 | 507.6  | 452.1  | 453.4  | 468.1  | 440.6  | 399.8  | 380.7  |
| 5961.7 | 65°   | 5423.5 | 4518.0 | 1453.9 | 434.3  | 420.2  | 421.5  | 440.6  | 412.6  | 378.1  | 366.7  |
| 5898.6 | 67.5° | 5231.6 | 4241.2 | 1115.3 | 386.4  | 385.2  | 390.9  | 413.2  | 393.5  | 364.8  | 363.5  |
| 5522.4 | 70°   | 4711.9 | 3666.7 | 803.5  | 348.2  | 348.8  | 357.1  | 386.4  | 381.3  | 357.7  | 360.3  |
| 4643.0 | 72.5° | 3778.3 | 2795.6 | 539.5  | 308.0  | 308.6  | 322.0  | 360.9  | 371.8  | 350.7  | 384.5  |
| 3294.3 | 75°   | 2516.3 | 1743.4 | 346.9  | 265.3  | 265.9  | 283.1  | 338.6  | 353.3  | 331.6  | 383.2  |
| 1714.1 | 77.5° | 1209.1 | 783.7  | 251.2  | 223.2  | 223.2  | 239.1  | 292.7  | 316.3  | 282.5  | 297.8  |
| 551.0  | 80°   | 417.7  | 294.6  | 197.7  | 179.8  | 176.0  | 186.8  | 246.8  | 274.2  | 243.6  | 224.5  |
| 179.8  | 82.5° | 164.5  | 153.0  | 158.8  | 139.7  | 126.9  | 133.9  | 191.9  | 226.4  | 179.2  | 162.0  |
| 101.4  | 85°   | 94.4   | 99.5   | 112.2  | 92.5   | 73.3   | 82.3   | 140.9  | 162.6  | 135.2  | 119.2  |
| 33.2   | 87.5° | 25.5   | 35.1   | 51.7   | 47.8   | 33.2   | 35.1   | 67.0   | 89.9   | 77.8   | 59.9   |
| 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



| <u>180°</u> |
|-------------|
| 1346.2      |
| 1380.6      |
| 1435.4      |
| 1501.7      |
| 1563.0      |
| 1584.6      |
| 1585.3      |
| 1557.2      |
| 1491.5      |
| 1398.4      |
| 1300.9      |
| 1211.6      |
| 1132.5      |
| 1033.7      |
| 922.7       |
| 812.4       |
| 713.6       |
| 630.7       |
| 548.4       |
| 501.9       |
| 472.5       |
| 452.1       |
| 438.1       |
| 422.8       |
| 396.6       |
| 375.0       |
| 366.0       |
| 365.4       |
| 359.7       |
| 389.6       |
| 386.4       |
| 272.9       |
| 210.4       |
| 161.3       |
| 121.8       |
| 61.9        |
| 0.0         |

F REPORT)