

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: P847148

Luminaire Tested: **GLAN-SB3A-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847148  
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-SB3A-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11151 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

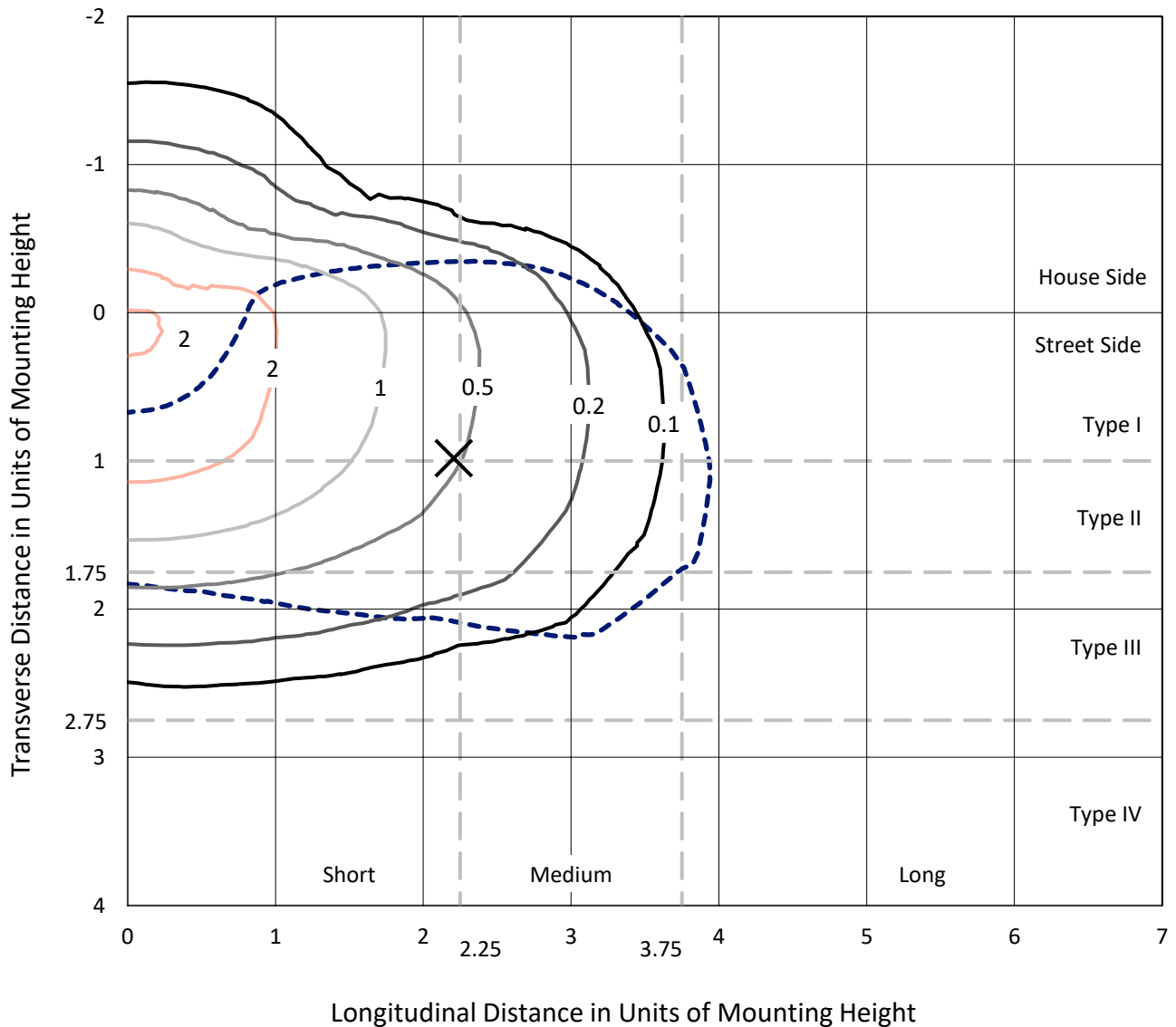
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847148  
 CATALOG NUMBER: GLAN-SB3A-835-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

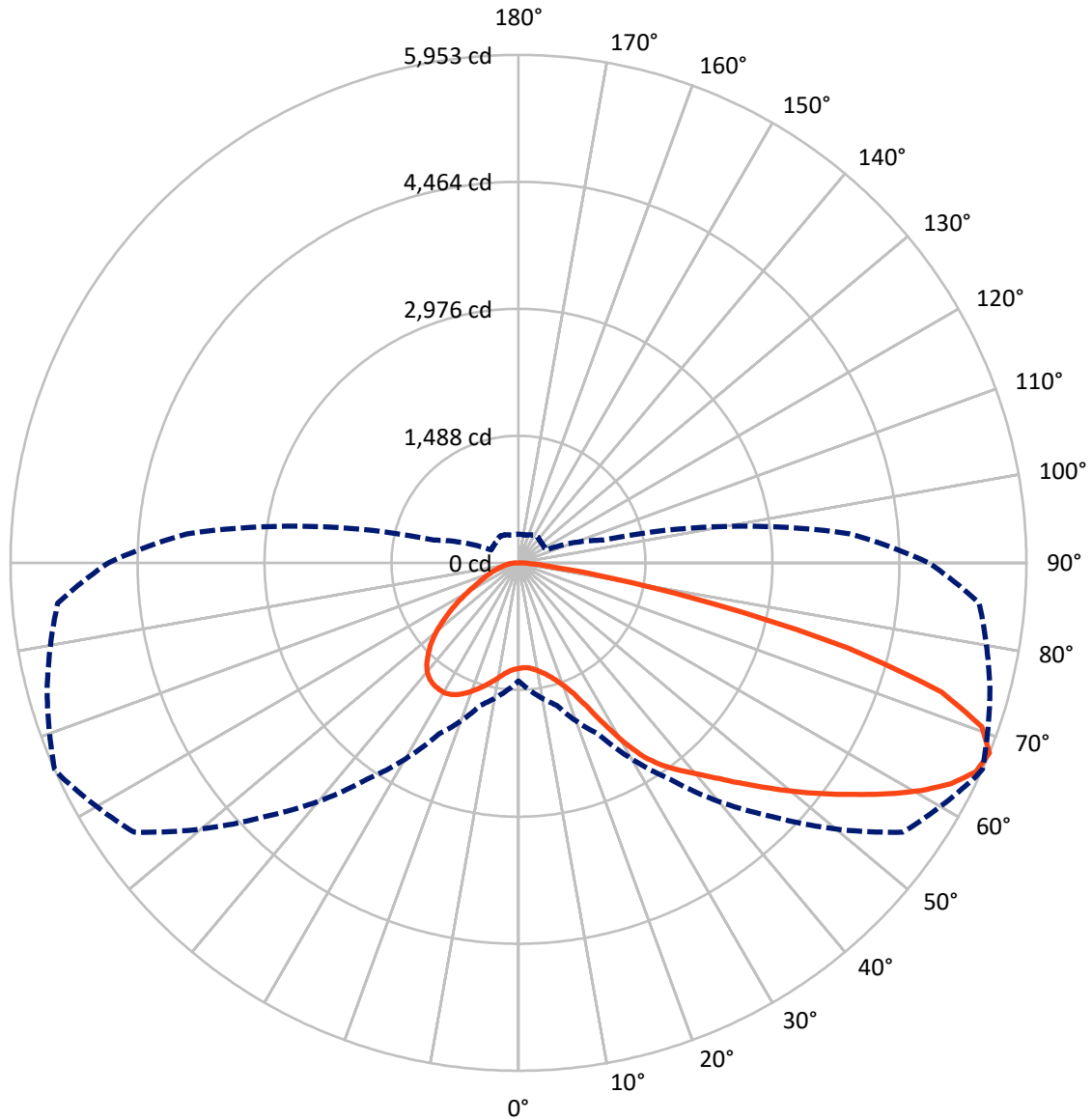
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P847148  
CATALOG NUMBER: GLAN-SB3A-835-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P847148  
 CATALOG NUMBER: GLAN-SB3A-835-U-T3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2772.7   | 0.0    | 2772.7  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 8378.3   | 0.0    | 8378.3  |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 11151.0  | 0.0    | 11151.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 122.6   | 1.1       |
| 10°-20°   | 405.1   | 3.6       |
| 20°-30°   | 780.9   | 7.0       |
| 30°-40°   | 1369.1  | 12.3      |
| 40°-50°   | 2035.5  | 18.3      |
| 50°-60°   | 2580.2  | 23.1      |
| 60°-70°   | 2524.6  | 22.6      |
| 70°-80°   | 1204.3  | 10.8      |
| 80°-90°   | 128.7   | 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°    | 11151.0 | 100.0     |
| 0°-180°   | 11151.0 | 100.0     |

**Coefficient of Utilization**



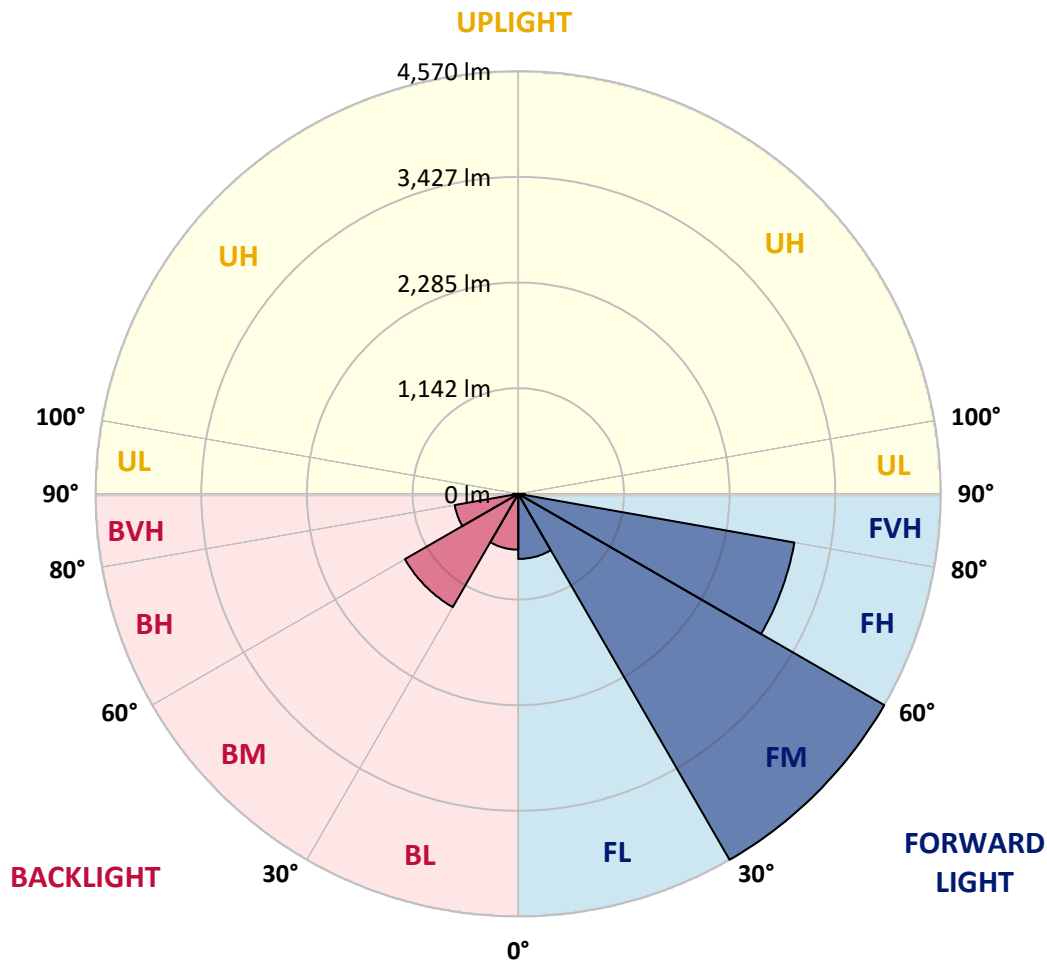
REPORT NUMBER: P847148  
 CATALOG NUMBER: GLAN-SB3A-835-U-T3

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 704.6  | 6.3       |                         |      |         |
| FM (30°-60°)   | 4569.6 | 41.0      |                         |      |         |
| FH (60°-80°)   | 3031.1 | 27.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 73.0   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 604.0  | 5.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 1415.2 | 12.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 697.7  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 55.7   | 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: P847148  
 CATALOG NUMBER: GLAN-SB3A-835-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 |
| 2.5°  | 1223.9 | 1230.9 | 1229.2 | 1226.2 | 1225.7 | 1226.8 | 1228.6 | 1230.3 | 1229.8 | 1232.7 |
| 5°    | 1220.4 | 1227.4 | 1226.8 | 1226.8 | 1229.2 | 1233.9 | 1236.8 | 1239.7 | 1236.8 | 1240.3 |
| 7.5°  | 1222.7 | 1228.0 | 1230.3 | 1232.7 | 1238.6 | 1247.3 | 1254.4 | 1260.8 | 1257.3 | 1261.4 |
| 10°   | 1252.6 | 1256.7 | 1259.1 | 1259.1 | 1263.2 | 1273.1 | 1280.1 | 1291.9 | 1288.9 | 1295.4 |
| 12.5° | 1307.1 | 1311.2 | 1311.2 | 1308.9 | 1311.8 | 1318.2 | 1320.6 | 1333.5 | 1328.2 | 1338.7 |
| 15°   | 1373.9 | 1382.1 | 1375.6 | 1371.5 | 1372.7 | 1379.2 | 1378.6 | 1388.5 | 1383.3 | 1392.1 |
| 17.5° | 1447.7 | 1458.3 | 1447.7 | 1447.1 | 1444.8 | 1451.8 | 1452.4 | 1461.2 | 1451.8 | 1458.3 |
| 20°   | 1535.0 | 1549.7 | 1540.9 | 1543.8 | 1538.5 | 1541.5 | 1544.4 | 1557.3 | 1542.6 | 1547.3 |
| 22.5° | 1658.0 | 1675.6 | 1666.2 | 1677.4 | 1673.9 | 1671.5 | 1670.9 | 1693.8 | 1670.9 | 1672.7 |
| 25°   | 1837.3 | 1858.4 | 1842.0 | 1857.2 | 1857.2 | 1864.9 | 1873.6 | 1902.9 | 1864.9 | 1853.7 |
| 27.5° | 2102.1 | 2123.2 | 2091.0 | 2100.4 | 2097.5 | 2116.2 | 2106.8 | 2179.5 | 2138.5 | 2120.3 |
| 30°   | 2420.9 | 2458.4 | 2397.4 | 2395.1 | 2392.1 | 2422.0 | 2435.5 | 2483.5 | 2441.9 | 2423.8 |
| 32.5° | 2765.4 | 2804.6 | 2732.0 | 2710.9 | 2699.7 | 2717.9 | 2706.8 | 2745.4 | 2716.7 | 2688.6 |
| 35°   | 3129.8 | 3168.4 | 3099.3 | 3058.3 | 3013.8 | 2975.7 | 2935.8 | 2945.8 | 2918.9 | 2876.1 |
| 37.5° | 3474.3 | 3545.2 | 3471.9 | 3428.0 | 3346.0 | 3271.6 | 3160.2 | 3114.0 | 3088.8 | 3049.5 |
| 40°   | 3825.2 | 3865.6 | 3810.0 | 3772.5 | 3683.4 | 3566.8 | 3388.7 | 3290.9 | 3256.9 | 3218.8 |
| 42.5° | 4083.6 | 4122.3 | 4092.4 | 4066.6 | 3996.9 | 3861.5 | 3631.3 | 3508.8 | 3459.6 | 3416.9 |
| 45°   | 4288.6 | 4317.4 | 4298.6 | 4308.0 | 4278.1 | 4146.9 | 3882.6 | 3742.6 | 3691.6 | 3639.5 |
| 47.5° | 4371.3 | 4401.7 | 4431.6 | 4487.3 | 4538.2 | 4441.6 | 4152.7 | 3995.7 | 3941.8 | 3888.5 |
| 50°   | 4361.9 | 4392.9 | 4479.6 | 4598.0 | 4756.2 | 4724.0 | 4437.5 | 4265.2 | 4215.4 | 4154.5 |
| 52.5° | 4286.9 | 4322.0 | 4433.4 | 4630.2 | 4882.1 | 4935.5 | 4727.5 | 4543.5 | 4496.6 | 4424.0 |
| 55°   | 4090.0 | 4111.1 | 4278.1 | 4557.0 | 4912.0 | 5083.1 | 5011.6 | 4840.0 | 4793.1 | 4691.7 |
| 57.5° | 3725.0 | 3755.5 | 3998.6 | 4359.5 | 4837.0 | 5183.3 | 5261.2 | 5151.6 | 5106.5 | 4960.6 |
| 60°   | 3248.7 | 3297.3 | 3575.6 | 4027.9 | 4646.0 | 5182.7 | 5487.9 | 5458.1 | 5420.6 | 5225.5 |
| 62.5° | 2709.7 | 2765.9 | 3033.7 | 3559.2 | 4312.1 | 5035.6 | 5629.7 | 5714.7 | 5695.3 | 5469.8 |
| 65°   | 2081.0 | 2119.7 | 2386.3 | 2952.8 | 3792.4 | 4719.9 | 5646.1 | 5889.9 | 5893.4 | 5655.5 |
| 67.5° | 1385.6 | 1496.9 | 1728.3 | 2215.8 | 3096.4 | 4203.7 | 5502.0 | 5918.6 | 5952.5 | 5719.4 |
| 70°   | 676.1  | 822.6  | 1049.3 | 1440.1 | 2215.8 | 3412.2 | 5125.3 | 5683.0 | 5758.6 | 5533.1 |
| 72.5° | 280.6  | 328.1  | 451.7  | 710.7  | 1271.9 | 2302.5 | 4368.3 | 5044.4 | 5184.5 | 4902.6 |
| 75°   | 189.2  | 205.1  | 258.4  | 364.4  | 579.4  | 1135.4 | 3150.3 | 3761.4 | 3986.9 | 3702.8 |
| 77.5° | 145.9  | 155.8  | 188.1  | 254.9  | 344.5  | 429.5  | 1686.2 | 2266.8 | 2383.4 | 2206.4 |
| 80°   | 114.8  | 122.4  | 140.6  | 185.7  | 244.3  | 229.7  | 574.7  | 1027.0 | 1094.4 | 918.1  |
| 82.5° | 99.6   | 102.5  | 100.8  | 126.0  | 162.3  | 134.2  | 188.7  | 379.1  | 418.3  | 303.5  |
| 85°   | 72.1   | 80.3   | 83.8   | 77.9   | 86.1   | 68.0   | 77.3   | 134.2  | 147.6  | 131.8  |
| 87.5° | 29.3   | 43.4   | 53.3   | 50.4   | 31.6   | 19.3   | 24.0   | 39.3   | 45.1   | 49.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P847148  
 CATALOG NUMBER: GLAN-SB3A-835-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1236.8 | 0°    | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1236.8 |
| 1237.4 | 2.5°  | 1238.0 | 1242.1 | 1245.0 | 1248.5 | 1250.9 | 1254.4 | 1261.4 | 1265.5 | 1266.1 | 1269.0 |
| 1246.8 | 5°    | 1249.1 | 1255.0 | 1261.4 | 1270.8 | 1281.3 | 1290.1 | 1303.6 | 1313.0 | 1316.5 | 1319.4 |
| 1269.6 | 7.5°  | 1273.1 | 1281.3 | 1293.0 | 1309.4 | 1324.7 | 1336.4 | 1352.8 | 1363.9 | 1375.1 | 1379.2 |
| 1305.9 | 10°   | 1308.9 | 1320.6 | 1337.6 | 1359.8 | 1376.2 | 1391.5 | 1408.5 | 1417.8 | 1429.0 | 1433.6 |
| 1349.3 | 12.5° | 1353.4 | 1365.7 | 1388.0 | 1419.0 | 1434.2 | 1444.8 | 1450.6 | 1448.3 | 1450.6 | 1454.7 |
| 1401.4 | 15°   | 1404.4 | 1417.8 | 1443.0 | 1476.4 | 1487.0 | 1477.6 | 1464.7 | 1453.0 | 1451.2 | 1452.4 |
| 1464.7 | 17.5° | 1464.7 | 1474.7 | 1504.0 | 1532.1 | 1524.5 | 1485.8 | 1457.7 | 1438.9 | 1429.5 | 1426.6 |
| 1545.6 | 20°   | 1549.1 | 1549.1 | 1573.1 | 1590.7 | 1539.7 | 1474.1 | 1430.1 | 1399.7 | 1380.3 | 1372.1 |
| 1655.7 | 22.5° | 1651.6 | 1642.2 | 1657.5 | 1645.2 | 1536.8 | 1441.3 | 1380.3 | 1327.6 | 1298.3 | 1286.6 |
| 1809.8 | 25°   | 1781.7 | 1770.5 | 1766.4 | 1690.3 | 1515.7 | 1389.1 | 1290.1 | 1226.2 | 1200.5 | 1194.0 |
| 2031.8 | 27.5° | 1977.9 | 1949.8 | 1896.5 | 1714.9 | 1477.0 | 1307.1 | 1184.6 | 1125.5 | 1110.8 | 1111.4 |
| 2317.2 | 30°   | 2239.2 | 2183.0 | 2052.3 | 1719.0 | 1413.7 | 1191.1 | 1076.8 | 1034.7 | 1027.6 | 1030.6 |
| 2556.8 | 32.5° | 2481.2 | 2427.9 | 2211.7 | 1700.2 | 1316.5 | 1077.4 | 980.2  | 952.1  | 941.5  | 945.0  |
| 2739.6 | 35°   | 2671.0 | 2656.4 | 2359.3 | 1673.9 | 1197.0 | 970.8  | 893.5  | 869.4  | 848.9  | 844.3  |
| 2911.8 | 37.5° | 2850.3 | 2844.4 | 2470.1 | 1636.9 | 1078.6 | 895.2  | 823.7  | 792.1  | 762.2  | 745.8  |
| 3102.2 | 40°   | 3047.2 | 3041.3 | 2542.7 | 1580.1 | 973.7  | 829.6  | 761.1  | 719.5  | 682.6  | 652.7  |
| 3317.8 | 42.5° | 3268.6 | 3234.1 | 2577.3 | 1498.7 | 884.7  | 773.9  | 710.1  | 653.8  | 605.2  | 577.7  |
| 3561.6 | 45°   | 3510.6 | 3432.7 | 2576.7 | 1395.0 | 809.7  | 723.0  | 655.6  | 575.9  | 530.8  | 505.0  |
| 3811.7 | 47.5° | 3767.2 | 3622.5 | 2545.1 | 1280.1 | 737.0  | 666.7  | 571.2  | 510.3  | 480.4  | 464.6  |
| 4083.6 | 50°   | 4032.0 | 3800.0 | 2491.2 | 1148.3 | 662.6  | 602.9  | 518.5  | 476.9  | 454.1  | 439.4  |
| 4353.1 | 52.5° | 4281.0 | 3961.1 | 2426.1 | 998.9  | 587.1  | 540.8  | 495.1  | 462.8  | 438.8  | 422.4  |
| 4614.4 | 55°   | 4512.4 | 4100.0 | 2334.1 | 846.0  | 525.5  | 499.2  | 483.9  | 457.0  | 429.5  | 410.1  |
| 4879.8 | 57.5° | 4718.1 | 4190.2 | 2175.4 | 702.5  | 481.6  | 470.5  | 472.2  | 447.0  | 415.4  | 399.0  |
| 5141.1 | 60°   | 4889.2 | 4256.4 | 1940.4 | 569.5  | 445.9  | 442.3  | 454.1  | 428.3  | 391.4  | 372.6  |
| 5362.0 | 62.5° | 4991.7 | 4255.2 | 1652.2 | 466.4  | 415.4  | 416.6  | 430.0  | 404.8  | 367.3  | 349.8  |
| 5477.4 | 65°   | 4982.9 | 4151.0 | 1335.8 | 399.0  | 386.1  | 387.3  | 404.8  | 379.1  | 347.4  | 336.9  |
| 5419.4 | 67.5° | 4806.6 | 3896.7 | 1024.7 | 355.0  | 353.9  | 359.1  | 379.7  | 361.5  | 335.1  | 334.0  |
| 5073.7 | 70°   | 4329.1 | 3368.8 | 738.2  | 319.9  | 320.5  | 328.1  | 355.0  | 350.4  | 328.7  | 331.0  |
| 4265.8 | 72.5° | 3471.3 | 2568.5 | 495.7  | 283.0  | 283.6  | 295.9  | 331.6  | 341.6  | 322.2  | 353.3  |
| 3026.7 | 75°   | 2311.9 | 1601.8 | 318.7  | 243.7  | 244.3  | 260.1  | 311.1  | 324.6  | 304.7  | 352.1  |
| 1574.8 | 77.5° | 1110.8 | 720.0  | 230.8  | 205.1  | 205.1  | 219.7  | 268.9  | 290.6  | 259.5  | 273.6  |
| 506.2  | 80°   | 383.8  | 270.7  | 181.6  | 165.2  | 161.7  | 171.7  | 226.7  | 251.9  | 223.8  | 206.2  |
| 165.2  | 82.5° | 151.2  | 140.6  | 145.9  | 128.3  | 116.6  | 123.0  | 176.3  | 208.0  | 164.6  | 148.8  |
| 93.2   | 85°   | 86.7   | 91.4   | 103.1  | 85.0   | 67.4   | 75.6   | 129.5  | 149.4  | 124.2  | 109.6  |
| 30.5   | 87.5° | 23.4   | 32.2   | 47.5   | 43.9   | 30.5   | 32.2   | 61.5   | 82.6   | 71.5   | 55.1   |
| 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°   |
|--------|
| 1236.8 |
| 1268.4 |
| 1318.8 |
| 1379.7 |
| 1436.0 |
| 1455.9 |
| 1456.5 |
| 1430.7 |
| 1370.4 |
| 1284.8 |
| 1195.2 |
| 1113.2 |
| 1040.5 |
| 949.7  |
| 847.8  |
| 746.4  |
| 655.6  |
| 579.4  |
| 503.9  |
| 461.1  |
| 434.1  |
| 415.4  |
| 402.5  |
| 388.4  |
| 364.4  |
| 344.5  |
| 336.3  |
| 335.7  |
| 330.4  |
| 358.0  |
| 355.0  |
| 250.8  |
| 193.3  |
| 148.2  |
| 111.9  |
| 56.8   |
| 0.0    |

F REPORT)