

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: P848206

Luminaire Tested: **GLAN-SB4C-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20064 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

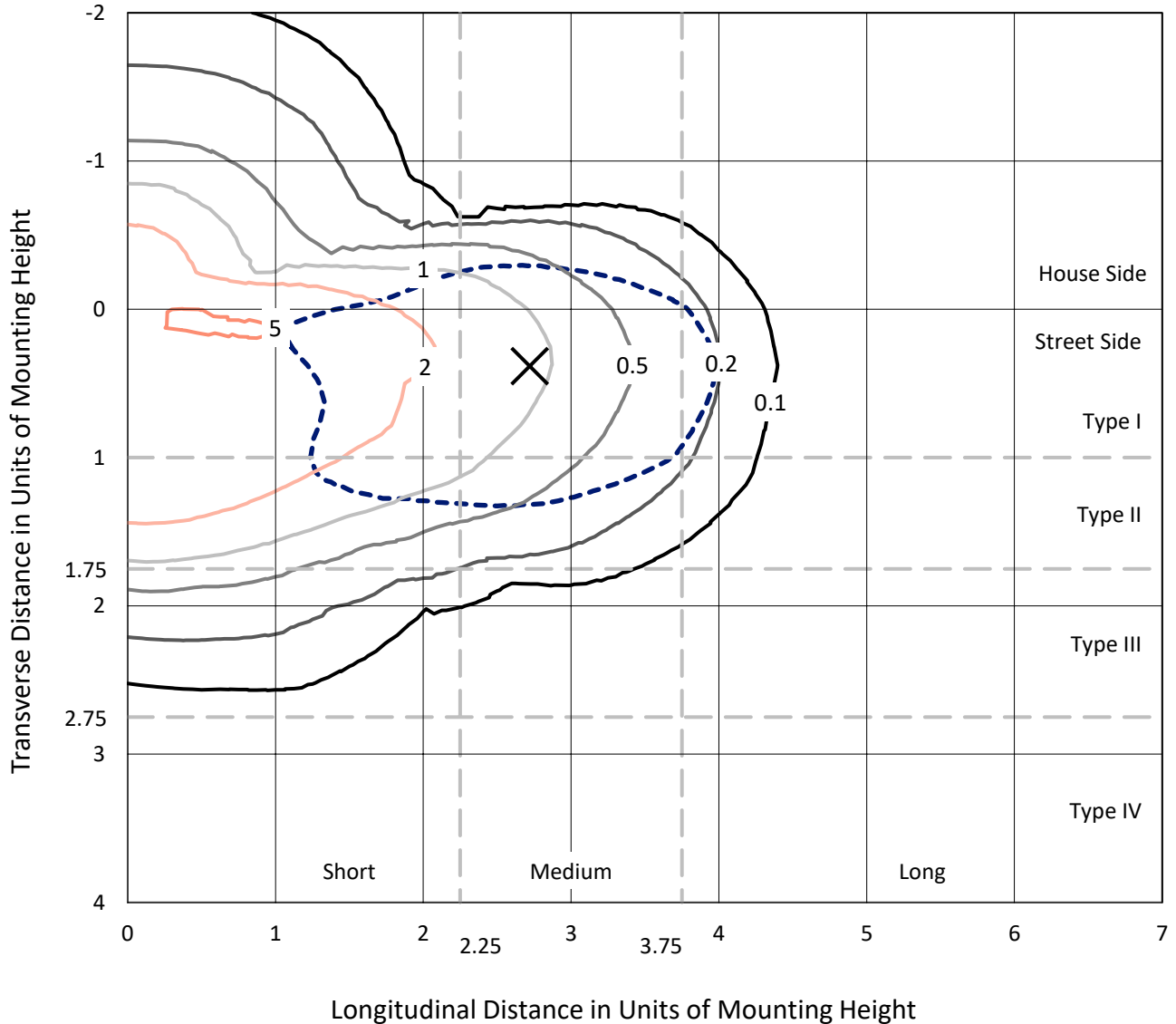
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848206  
 CATALOG NUMBER: GLAN-SB4C-930-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

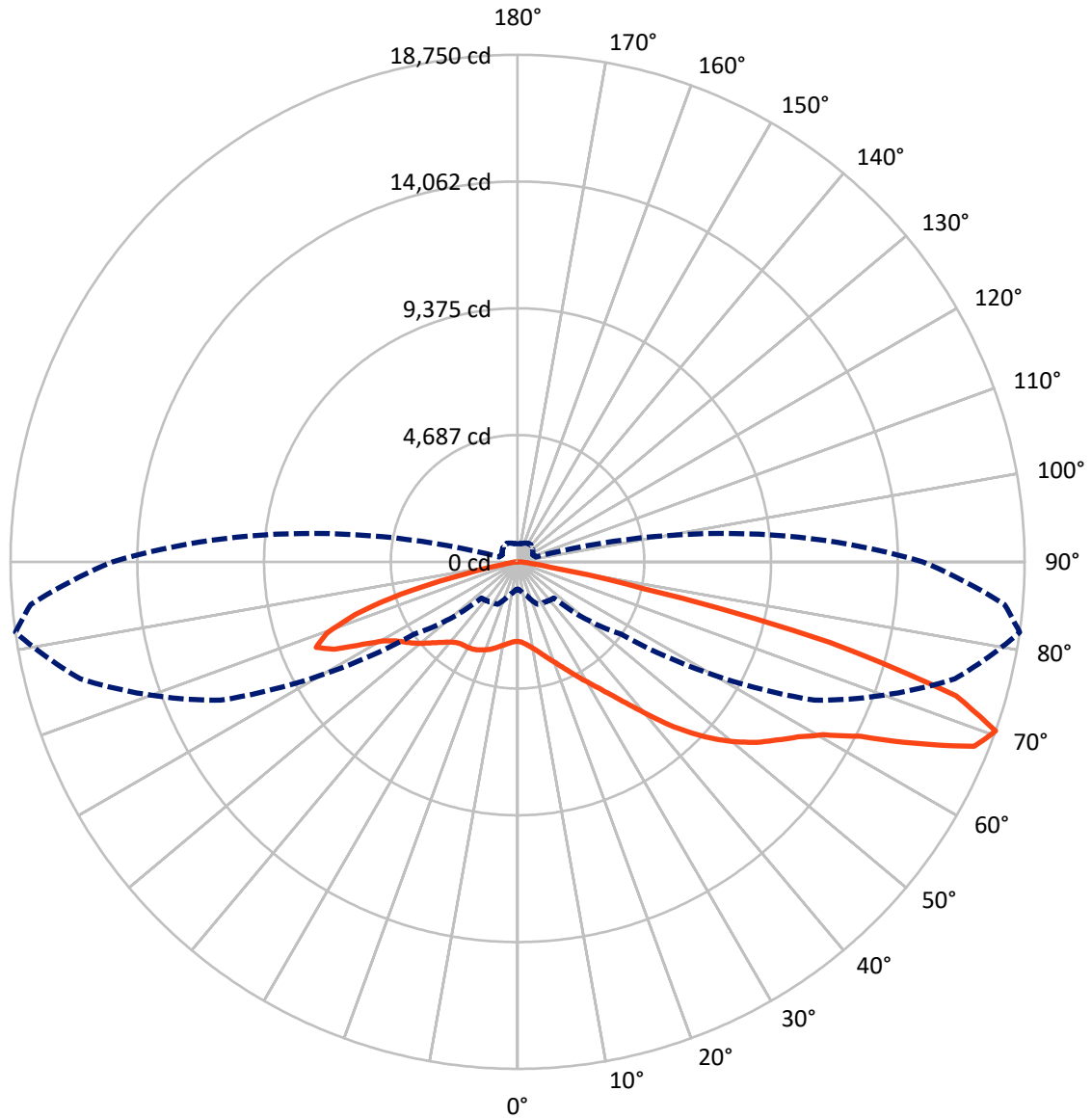
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848206  
CATALOG NUMBER: GLAN-SB4C-930-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P848206  
 CATALOG NUMBER: GLAN-SB4C-930-U-T2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4946.3   | 0.0    | 4946.3  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 15117.7  | 0.0    | 15117.7 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 20064.0  | 0.0    | 20064.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 277.7   | 1.4       |
| 10°-20°   | 798.0   | 4.0       |
| 20°-30°   | 1334.9  | 6.7       |
| 30°-40°   | 2085.5  | 10.4      |
| 40°-50°   | 3321.4  | 16.6      |
| 50°-60°   | 4622.1  | 23.0      |
| 60°-70°   | 4834.9  | 24.1      |
| 70°-80°   | 2527.0  | 12.6      |
| 80°-90°   | 262.4   | 1.3       |
| 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°    | 20064.0 | 100.0     |
| 0°-180°   | 20064.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P848206

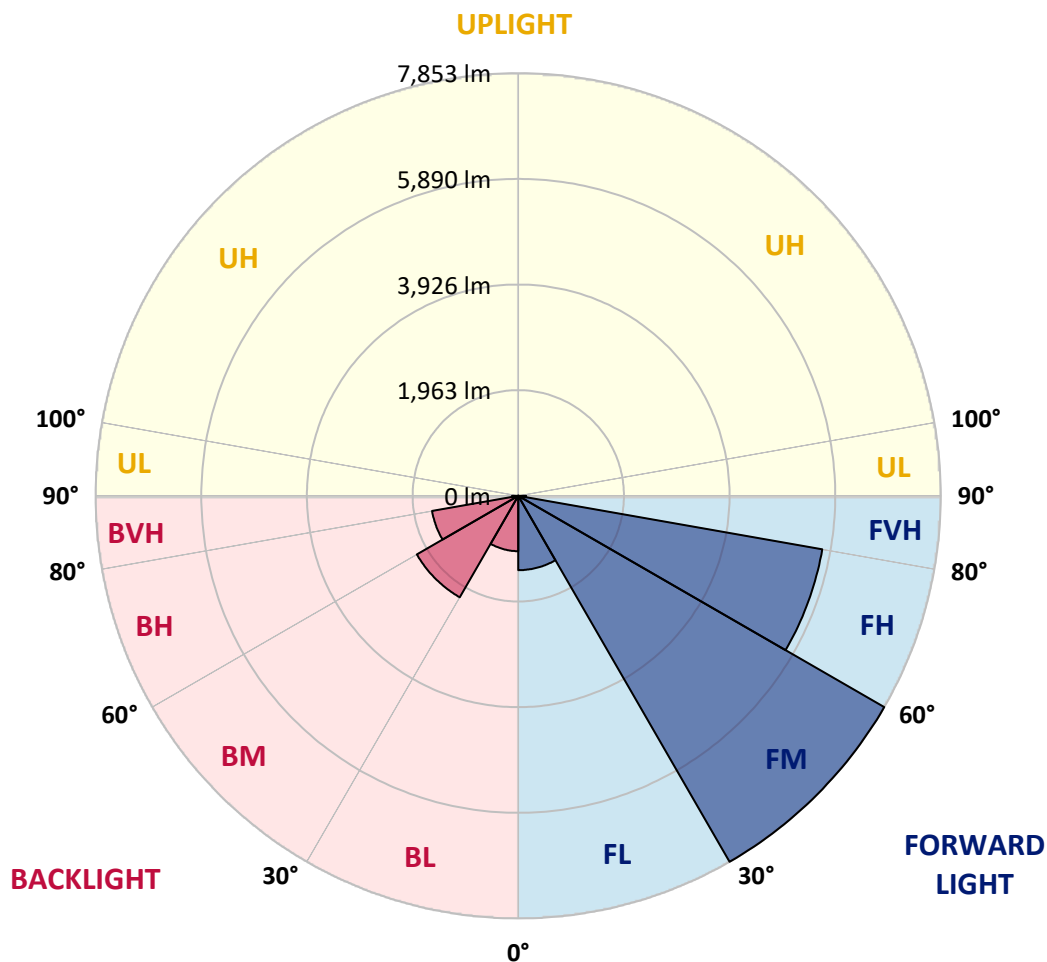
CATALOG NUMBER: GLAN-SB4C-930-U-T2

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1381.6 | 6.9       |                         |      |         |
| FM (30°-60°)   | 7852.8 | 39.1      |                         |      |         |
| FH (60°-80°)   | 5736.4 | 28.6      |                         |      | G3/7500 |
| FVH (80°-90°)  | 146.9  | 0.7       |                         |      | G2/225  |
| BL (0°-30°)    | 1029.0 | 5.1       | B3/2500                 |      |         |
| BM (30°-60°)   | 2176.2 | 10.8      | B2/2500                 |      |         |
| BH (60°-80°)   | 1625.6 | 8.1       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 115.5  | 0.6       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



REPORT NUMBER: P848206  
 CATALOG NUMBER: GLAN-SB4C-930-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6  | 2941.6  | 2941.6  | 2941.6  |
| 2.5°  | 3011.9 | 3028.9 | 3023.6 | 3018.3 | 3018.3 | 3010.8 | 3009.8  | 2999.1  | 2990.6  | 2976.8  |
| 5°    | 3050.2 | 3068.3 | 3066.2 | 3070.5 | 3084.3 | 3087.5 | 3090.7  | 3084.3  | 3067.3  | 3050.2  |
| 7.5°  | 3016.2 | 3036.4 | 3042.8 | 3068.3 | 3110.9 | 3149.2 | 3178.0  | 3189.7  | 3173.7  | 3149.2  |
| 10°   | 2901.2 | 2923.5 | 2945.9 | 3006.6 | 3082.2 | 3172.7 | 3249.3  | 3295.1  | 3291.9  | 3268.5  |
| 12.5° | 2668.0 | 2691.4 | 2739.3 | 2857.5 | 2995.9 | 3155.6 | 3298.3  | 3394.1  | 3427.1  | 3410.1  |
| 15°   | 2481.7 | 2501.9 | 2538.1 | 2659.5 | 2839.4 | 3082.2 | 3316.4  | 3502.7  | 3586.8  | 3577.2  |
| 17.5° | 2476.4 | 2484.9 | 2507.3 | 2564.7 | 2703.2 | 2967.2 | 3297.2  | 3609.2  | 3769.9  | 3768.9  |
| 20°   | 2570.1 | 2573.3 | 2586.0 | 2597.8 | 2676.5 | 2879.9 | 3248.3  | 3697.5  | 3975.4  | 3975.4  |
| 22.5° | 2700.0 | 2697.8 | 2710.6 | 2700.0 | 2738.3 | 2872.4 | 3217.4  | 3775.3  | 4204.3  | 4221.3  |
| 25°   | 2894.8 | 2884.1 | 2880.9 | 2856.5 | 2863.9 | 2941.6 | 3251.4  | 3863.6  | 4475.8  | 4510.9  |
| 27.5° | 3154.6 | 3137.5 | 3125.8 | 3069.4 | 3050.2 | 3084.3 | 3355.8  | 3970.1  | 4778.2  | 4838.8  |
| 30°   | 3493.1 | 3462.2 | 3445.2 | 3347.3 | 3278.1 | 3283.4 | 3513.4  | 4111.7  | 5094.4  | 5192.3  |
| 32.5° | 3955.2 | 3907.3 | 3861.5 | 3700.7 | 3574.0 | 3532.5 | 3716.7  | 4307.6  | 5437.2  | 5593.7  |
| 35°   | 4472.6 | 4434.3 | 4385.3 | 4137.2 | 3942.4 | 3846.6 | 3991.4  | 4581.2  | 5838.6  | 6086.6  |
| 37.5° | 4970.9 | 4937.9 | 4961.3 | 4627.0 | 4375.7 | 4236.3 | 4351.2  | 4948.5  | 6333.6  | 6699.9  |
| 40°   | 5486.2 | 5460.6 | 5463.8 | 5144.4 | 4851.6 | 4695.1 | 4787.7  | 5409.5  | 6901.1  | 7429.1  |
| 42.5° | 6046.2 | 6027.0 | 5963.1 | 5679.9 | 5350.9 | 5205.1 | 5290.3  | 5941.8  | 7510.1  | 8259.6  |
| 45°   | 6673.2 | 6661.5 | 6601.9 | 6277.2 | 5900.3 | 5736.3 | 5851.3  | 6529.5  | 8122.2  | 9041.0  |
| 47.5° | 7215.1 | 7224.7 | 7217.3 | 6943.7 | 6552.9 | 6312.3 | 6449.7  | 7142.7  | 8691.8  | 9775.6  |
| 50°   | 7476.0 | 7526.0 | 7599.5 | 7514.3 | 7271.6 | 7026.7 | 7053.3  | 7734.7  | 9234.8  | 10464.5 |
| 52.5° | 7339.7 | 7434.5 | 7634.6 | 7770.9 | 7864.6 | 7813.5 | 7742.1  | 8322.4  | 9745.8  | 11086.2 |
| 55°   | 6831.9 | 6965.0 | 7297.1 | 7626.1 | 8104.1 | 8475.7 | 8569.4  | 8974.0  | 10244.1 | 11633.5 |
| 57.5° | 5906.7 | 6122.8 | 6420.9 | 7086.3 | 7891.2 | 8796.2 | 9534.0  | 9877.8  | 10772.1 | 12217.9 |
| 60°   | 4320.4 | 4609.9 | 4980.4 | 5970.6 | 7145.9 | 8624.7 | 10354.8 | 11266.1 | 11522.7 | 12974.9 |
| 62.5° | 2764.9 | 2943.8 | 3284.5 | 4217.1 | 5568.1 | 7746.4 | 10606.1 | 13001.5 | 12795.0 | 14216.3 |
| 65°   | 1893.0 | 2007.9 | 2319.9 | 2843.7 | 3599.6 | 5766.2 | 9933.2  | 14302.5 | 14815.7 | 16183.8 |
| 67.5° | 1375.5 | 1462.8 | 1729.0 | 2187.9 | 2345.4 | 3412.2 | 7708.1  | 14242.9 | 16780.0 | 18210.9 |
| 70°   | 1002.9 | 1064.7 | 1288.2 | 1729.0 | 1804.6 | 1898.3 | 4669.6  | 12107.2 | 16737.4 | 18749.6 |
| 72.5° | 743.1  | 785.7  | 935.8  | 1341.5 | 1460.7 | 1281.8 | 2311.4  | 8799.3  | 14382.4 | 16958.8 |
| 75°   | 537.6  | 569.6  | 680.3  | 1026.3 | 1169.0 | 976.3  | 1153.0  | 5142.3  | 10032.2 | 11929.4 |
| 77.5° | 411.0  | 435.4  | 507.8  | 751.6  | 935.8  | 732.5  | 715.4   | 2365.7  | 4756.9  | 4780.3  |
| 80°   | 330.0  | 346.0  | 385.4  | 529.1  | 717.6  | 548.3  | 466.3   | 955.0   | 1503.3  | 1272.3  |
| 82.5° | 242.7  | 269.4  | 325.8  | 371.6  | 513.2  | 378.0  | 284.3   | 482.3   | 571.7   | 491.9   |
| 85°   | 138.4  | 156.5  | 197.0  | 266.2  | 327.9  | 231.0  | 162.9   | 214.0   | 266.2   | 218.3   |
| 87.5° | 49.0   | 63.9   | 69.2   | 104.3  | 142.7  | 95.8   | 62.8    | 61.7    | 87.3    | 64.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P848206  
 CATALOG NUMBER: GLAN-SB4C-930-U-T2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2941.6  | 0°    | 2941.6  | 2941.6  | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 | 2941.6 |
| 2973.6  | 2.5°  | 2962.9  | 2957.6  | 2936.3 | 2907.6 | 2877.8 | 2849.0 | 2839.4 | 2819.2 | 2805.4 | 2797.9 |
| 3042.8  | 5°    | 3022.5  | 3005.5  | 2955.5 | 2891.6 | 2824.5 | 2752.1 | 2701.0 | 2654.2 | 2620.1 | 2588.2 |
| 3137.5  | 7.5°  | 3107.7  | 3077.9  | 2991.7 | 2879.9 | 2760.6 | 2640.3 | 2550.9 | 2482.8 | 2437.0 | 2407.2 |
| 3248.3  | 10°   | 3206.7  | 3161.0  | 3028.9 | 2861.8 | 2677.6 | 2505.1 | 2399.7 | 2341.2 | 2312.4 | 2296.5 |
| 3374.9  | 12.5° | 3320.6  | 3255.7  | 3067.3 | 2820.3 | 2550.9 | 2353.9 | 2281.5 | 2264.5 | 2265.6 | 2266.6 |
| 3534.6  | 15°   | 3461.2  | 3370.7  | 3098.1 | 2729.8 | 2385.9 | 2237.9 | 2225.1 | 2252.8 | 2281.5 | 2295.4 |
| 3715.6  | 17.5° | 3619.8  | 3492.1  | 3103.5 | 2580.7 | 2224.1 | 2163.4 | 2203.8 | 2263.5 | 2307.1 | 2326.3 |
| 3917.9  | 20°   | 3790.2  | 3615.6  | 3065.1 | 2369.9 | 2091.0 | 2102.7 | 2175.1 | 2251.7 | 2299.6 | 2324.1 |
| 4148.9  | 22.5° | 3985.0  | 3747.6  | 2973.6 | 2148.5 | 1982.4 | 2036.7 | 2121.9 | 2196.4 | 2246.4 | 2270.9 |
| 4420.4  | 25°   | 4207.5  | 3895.6  | 2829.8 | 1962.2 | 1888.7 | 1962.2 | 2047.3 | 2109.1 | 2149.5 | 2171.9 |
| 4723.9  | 27.5° | 4454.5  | 4049.9  | 2638.2 | 1814.2 | 1806.7 | 1885.5 | 1955.8 | 2003.7 | 2025.0 | 2042.0 |
| 5046.5  | 30°   | 4702.6  | 4190.5  | 2406.1 | 1702.4 | 1735.4 | 1809.9 | 1859.9 | 1881.2 | 1887.6 | 1890.8 |
| 5406.3  | 32.5° | 4970.9  | 4311.8  | 2162.3 | 1609.8 | 1667.2 | 1736.4 | 1766.3 | 1775.8 | 1746.0 | 1725.8 |
| 5842.8  | 35°   | 5295.6  | 4441.7  | 1923.8 | 1536.3 | 1600.2 | 1659.8 | 1669.4 | 1660.9 | 1625.7 | 1584.2 |
| 6390.0  | 37.5° | 5697.0  | 4603.6  | 1733.3 | 1484.1 | 1537.4 | 1576.7 | 1565.0 | 1562.9 | 1566.1 | 1517.1 |
| 7048.0  | 40°   | 6188.8  | 4814.4  | 1593.8 | 1443.7 | 1486.3 | 1494.8 | 1461.8 | 1479.9 | 1495.8 | 1421.3 |
| 7769.8  | 42.5° | 6735.0  | 5068.8  | 1505.4 | 1416.0 | 1443.7 | 1423.4 | 1372.3 | 1392.6 | 1390.4 | 1292.5 |
| 8494.9  | 45°   | 7291.8  | 5345.6  | 1474.5 | 1395.8 | 1404.3 | 1363.8 | 1307.4 | 1312.7 | 1268.0 | 1179.6 |
| 9190.1  | 47.5° | 7845.4  | 5642.7  | 1493.7 | 1378.7 | 1355.3 | 1309.5 | 1265.9 | 1242.4 | 1176.4 | 1110.4 |
| 9856.5  | 50°   | 8388.4  | 5954.6  | 1564.0 | 1344.7 | 1288.2 | 1261.6 | 1229.7 | 1188.2 | 1117.9 | 1061.5 |
| 10486.8 | 52.5° | 8892.0  | 6268.7  | 1642.8 | 1288.2 | 1204.1 | 1220.1 | 1199.9 | 1152.0 | 1082.8 | 1025.3 |
| 11083.0 | 55°   | 9368.9  | 6582.7  | 1673.6 | 1210.5 | 1125.3 | 1183.9 | 1172.2 | 1083.8 | 1000.8 | 953.9  |
| 11706.9 | 57.5° | 9888.5  | 6960.7  | 1639.6 | 1111.5 | 1061.5 | 1142.4 | 1097.7 | 999.7  | 951.8  | 916.7  |
| 12519.2 | 60°   | 10608.2 | 7553.7  | 1566.1 | 989.1  | 1000.8 | 1080.6 | 1004.0 | 963.5  | 911.3  | 871.9  |
| 13737.2 | 62.5° | 11803.8 | 8659.9  | 1447.9 | 867.7  | 929.4  | 989.1  | 959.3  | 918.8  | 865.6  | 827.2  |
| 15819.7 | 65°   | 13571.1 | 10197.2 | 1225.4 | 772.9  | 849.6  | 899.6  | 911.3  | 870.9  | 815.5  | 775.1  |
| 17644.5 | 67.5° | 15061.6 | 11161.8 | 927.3  | 694.2  | 767.6  | 827.2  | 860.2  | 820.8  | 762.3  | 722.9  |
| 18071.4 | 70°   | 14979.7 | 10461.3 | 708.0  | 616.4  | 695.2  | 755.9  | 798.5  | 767.6  | 704.8  | 667.5  |
| 16414.8 | 72.5° | 13305.0 | 8751.4  | 572.8  | 537.6  | 621.8  | 681.4  | 732.5  | 709.1  | 645.2  | 609.0  |
| 12025.2 | 75°   | 9774.6  | 6212.2  | 457.8  | 457.8  | 530.2  | 603.7  | 660.1  | 645.2  | 586.6  | 561.1  |
| 5048.6  | 77.5° | 4120.2  | 2606.3  | 358.8  | 380.1  | 440.8  | 518.5  | 588.8  | 594.1  | 543.0  | 574.9  |
| 1335.1  | 80°   | 1095.5  | 718.6   | 273.6  | 299.2  | 346.0  | 428.0  | 512.1  | 510.0  | 454.6  | 424.8  |
| 496.1   | 82.5° | 417.3   | 283.2   | 194.8  | 210.8  | 250.2  | 327.9  | 405.6  | 418.4  | 363.0  | 314.1  |
| 194.8   | 85°   | 160.8   | 121.4   | 120.3  | 126.7  | 145.9  | 217.2  | 306.6  | 317.3  | 273.6  | 232.1  |
| 54.3    | 87.5° | 41.5    | 36.2    | 44.7   | 42.6   | 67.1   | 116.0  | 175.7  | 182.1  | 167.2  | 96.9   |
| 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



| 180°   |
|--------|
| 2941.6 |
| 2806.4 |
| 2600.9 |
| 2413.6 |
| 2300.7 |
| 2268.8 |
| 2294.3 |
| 2330.5 |
| 2330.5 |
| 2277.3 |
| 2178.3 |
| 2048.4 |
| 1898.3 |
| 1732.2 |
| 1586.3 |
| 1520.3 |
| 1423.4 |
| 1291.4 |
| 1182.8 |
| 1110.4 |
| 1057.2 |
| 1026.3 |
| 949.7  |
| 913.5  |
| 869.8  |
| 827.2  |
| 777.2  |
| 724.0  |
| 670.7  |
| 609.0  |
| 553.6  |
| 521.7  |
| 395.0  |
| 314.1  |
| 239.5  |
| 138.4  |
| 0.0    |

F REPORT)