

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: P955029

Luminaire Tested: **GLAN-SB8A-835-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-835-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34268 lumens  
Efficiency: N/A  
Efficacy: 150.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

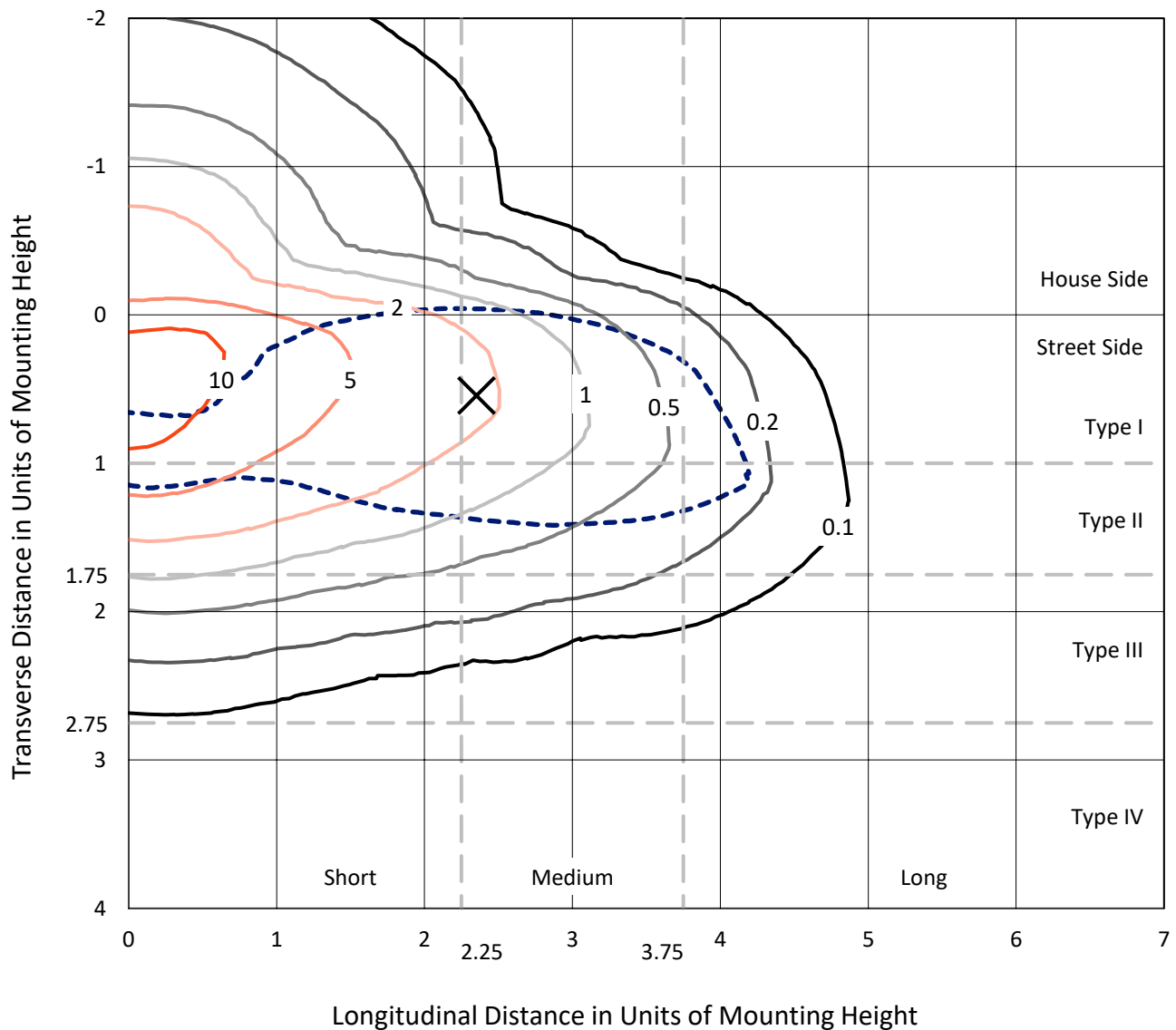
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P955029  
 CATALOG NUMBER: GLAN-SB8A-835-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

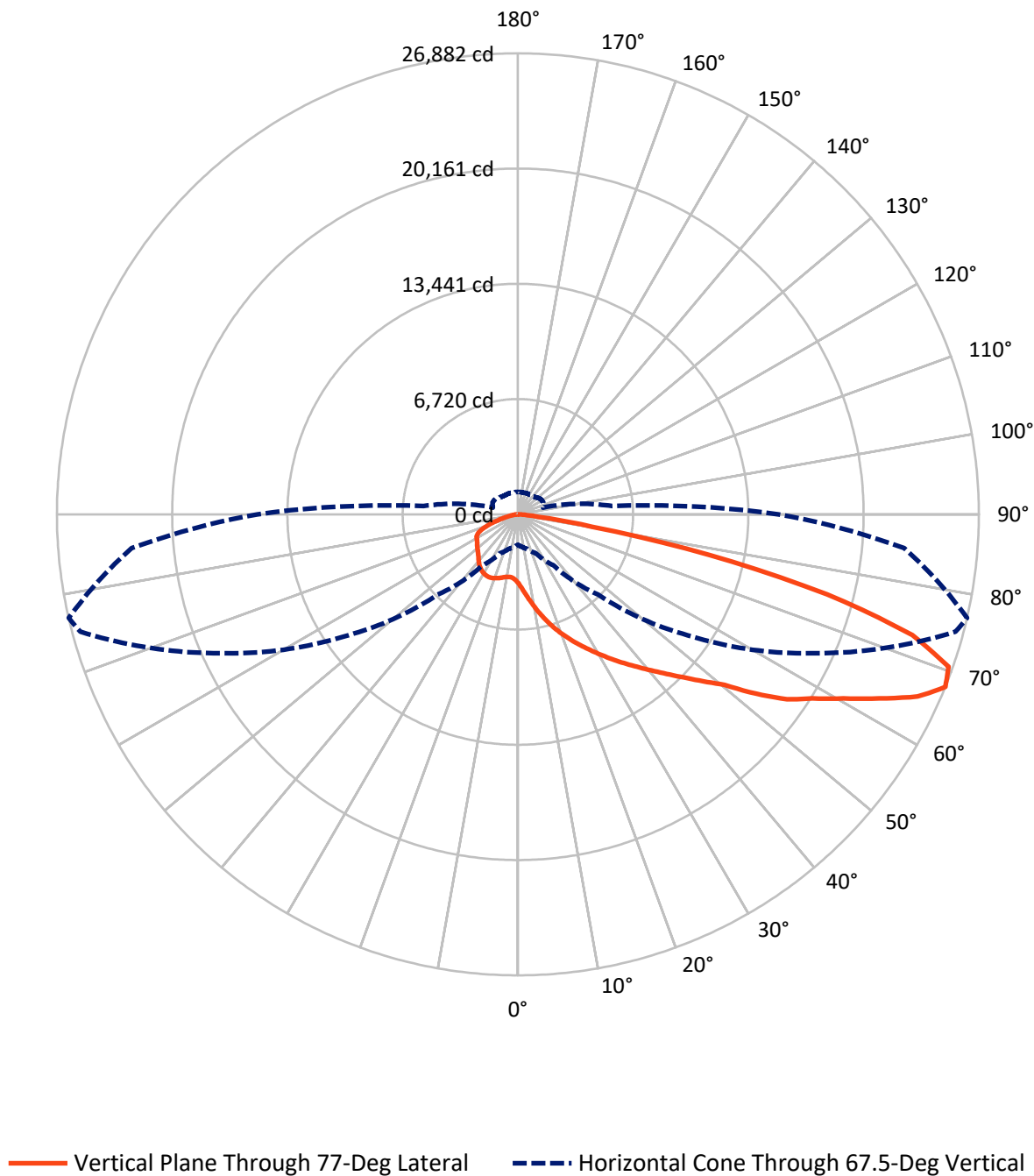


Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P955029

CATALOG NUMBER: GLAN-SB8A-835-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P955029

CATALOG NUMBER: GLAN-SB8A-835-U-T2R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6482.1   | 0.0    | 6482.1  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 27785.9  | 0.0    | 27785.9 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 34268.0  | 0.0    | 34268.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.0   | 1.3       |
| 10°-20°   | 1548.3  | 4.5       |
| 20°-30°   | 2923.3  | 8.5       |
| 30°-40°   | 4709.4  | 13.7      |
| 40°-50°   | 6441.6  | 18.8      |
| 50°-60°   | 7266.2  | 21.2      |
| 60°-70°   | 6782.1  | 19.8      |
| 70°-80°   | 3717.7  | 10.8      |
| 80°-90°   | 448.4   | 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°    | 34268.0 | 100.0     |
| 0°-180°   | 34268.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955029

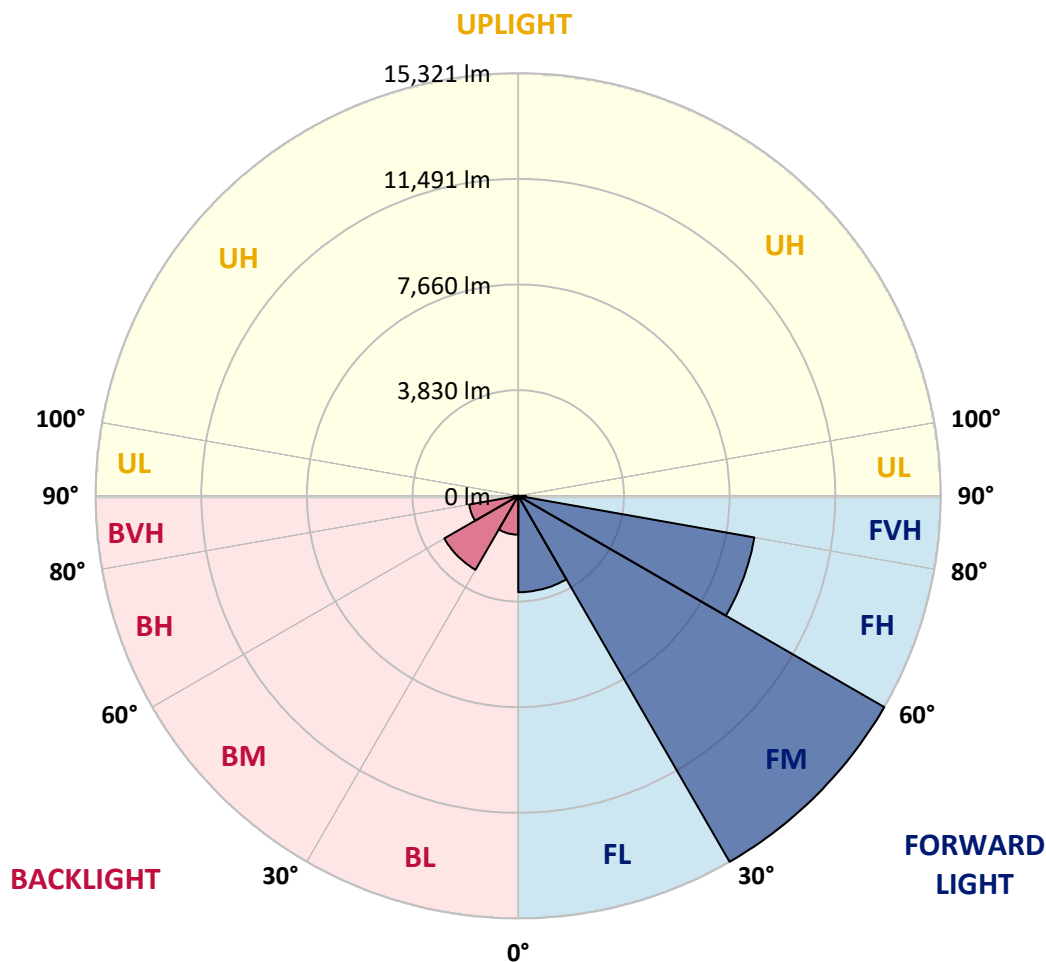
CATALOG NUMBER: GLAN-SB8A-835-U-T2R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3493.2  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 15320.8 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 8691.4  | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 280.4   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1409.4  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3096.4  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1808.4  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 168.0   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



REPORT NUMBER: P955029

CATALOG NUMBER: GLAN-SB8A-835-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  | 4020.7  |
| 2.5°  | 5034.3  | 5069.7  | 5025.4  | 5025.4  | 4876.8  | 4799.0  | 4650.4  | 4537.2  | 4333.8  | 4298.4  |
| 5°    | 5950.6  | 5994.8  | 5932.9  | 5906.3  | 5731.2  | 5570.3  | 5320.8  | 5075.0  | 4712.3  | 4675.2  |
| 7.5°  | 6659.9  | 6716.5  | 6661.7  | 6633.4  | 6477.7  | 6297.3  | 6005.4  | 5662.2  | 5151.0  | 5078.5  |
| 10°   | 7238.3  | 7247.2  | 7229.5  | 7240.1  | 7118.0  | 6969.5  | 6670.5  | 6270.7  | 5632.2  | 5533.1  |
| 12.5° | 7565.6  | 7606.3  | 7641.6  | 7705.3  | 7684.1  | 7592.1  | 7323.2  | 6845.6  | 6141.6  | 6014.2  |
| 15°   | 7719.5  | 7790.2  | 7869.8  | 8016.6  | 8135.2  | 8158.1  | 7953.0  | 7463.0  | 6659.9  | 6506.0  |
| 17.5° | 7774.3  | 7841.5  | 7967.1  | 8179.4  | 8434.1  | 8605.7  | 8513.7  | 8062.6  | 7172.9  | 6996.0  |
| 20°   | 8052.0  | 8071.5  | 8147.5  | 8349.2  | 8625.1  | 8909.9  | 8978.9  | 8639.3  | 7680.5  | 7480.7  |
| 22.5° | 8646.4  | 8607.4  | 8628.7  | 8720.7  | 8918.8  | 9194.7  | 9352.2  | 9148.7  | 8202.4  | 7972.4  |
| 25°   | 9628.1  | 9514.9  | 9401.7  | 9295.5  | 9396.4  | 9552.0  | 9730.7  | 9658.2  | 8749.0  | 8457.1  |
| 27.5° | 10868.1 | 10730.1 | 10480.7 | 10132.2 | 10010.2 | 10065.0 | 10144.6 | 10130.5 | 9254.9  | 8959.5  |
| 30°   | 12088.6 | 11927.7 | 11630.5 | 11126.4 | 10804.4 | 10659.4 | 10599.2 | 10558.5 | 9805.0  | 9490.1  |
| 32.5° | 13063.3 | 12935.9 | 12644.1 | 12079.8 | 11612.8 | 11365.2 | 11165.3 | 11020.2 | 10379.9 | 10065.0 |
| 35°   | 13915.9 | 13797.4 | 13463.1 | 12847.5 | 12339.8 | 12076.3 | 11814.5 | 11504.9 | 10977.8 | 10659.4 |
| 37.5° | 14694.2 | 14575.7 | 14117.6 | 13477.2 | 12966.0 | 12783.8 | 12550.3 | 12025.0 | 11577.4 | 11276.7 |
| 40°   | 15186.0 | 15159.4 | 14731.4 | 14006.1 | 13475.5 | 13385.2 | 13307.4 | 12628.1 | 12242.5 | 11963.0 |
| 42.5° | 15311.6 | 15369.9 | 15030.3 | 14434.2 | 13928.3 | 13855.8 | 14038.0 | 13310.9 | 12989.0 | 12721.9 |
| 45°   | 15009.1 | 15177.1 | 14954.2 | 14549.2 | 14250.2 | 14211.3 | 14685.4 | 14057.4 | 13815.1 | 13571.0 |
| 47.5° | 14243.2 | 14527.9 | 14436.0 | 14379.4 | 14336.9 | 14504.9 | 15255.0 | 14849.9 | 14750.8 | 14538.6 |
| 50°   | 12697.1 | 13236.7 | 13397.6 | 13754.9 | 14165.3 | 14733.1 | 15773.2 | 15714.9 | 15844.0 | 15630.0 |
| 52.5° | 10024.3 | 10767.3 | 11701.2 | 12596.3 | 13638.2 | 14657.1 | 16342.8 | 16956.6 | 17501.5 | 17384.7 |
| 55°   | 8274.9  | 8609.2  | 9327.4  | 10968.9 | 12615.8 | 14336.9 | 16599.3 | 17959.6 | 19146.5 | 19042.2 |
| 57.5° | 6930.5  | 7229.5  | 7671.7  | 9042.6  | 11069.8 | 13609.9 | 16758.5 | 18571.6 | 20273.3 | 20262.7 |
| 60°   | 5488.9  | 5805.5  | 6258.4  | 7229.5  | 9263.7  | 12354.0 | 16723.1 | 19268.6 | 21711.4 | 21799.9 |
| 62.5° | 3861.5  | 4210.0  | 4712.3  | 5618.0  | 7418.8  | 10726.6 | 16001.4 | 19772.7 | 23404.3 | 23644.8 |
| 65°   | 2538.4  | 2768.3  | 3146.9  | 3928.7  | 5527.8  | 8634.0  | 14623.5 | 19838.2 | 25215.6 | 25622.5 |
| 67.5° | 1779.5  | 1868.0  | 2090.8  | 2515.4  | 3643.9  | 6621.0  | 12428.3 | 19160.7 | 26423.8 | 26881.9 |
| 70°   | 1388.6  | 1432.8  | 1546.0  | 1715.8  | 2289.0  | 4452.3  | 9523.7  | 17398.9 | 26165.5 | 26643.1 |
| 72.5° | 1199.3  | 1241.8  | 1284.2  | 1305.4  | 1535.4  | 2748.9  | 6451.2  | 14547.4 | 23733.3 | 24057.0 |
| 75°   | 1087.9  | 1098.5  | 1133.9  | 1126.8  | 1171.0  | 1783.0  | 3723.5  | 10599.2 | 18725.5 | 18614.1 |
| 77.5° | 914.5   | 928.7   | 987.0   | 978.2   | 1040.1  | 1218.8  | 1933.4  | 6840.3  | 12139.9 | 11382.8 |
| 80°   | 774.8   | 781.9   | 845.5   | 834.9   | 903.9   | 882.7   | 987.0   | 3486.5  | 5149.3  | 4362.1  |
| 82.5° | 268.9   | 332.6   | 645.6   | 665.1   | 689.9   | 534.2   | 569.6   | 1422.2  | 1572.5  | 1204.6  |
| 85°   | 130.9   | 139.7   | 329.0   | 467.0   | 465.2   | 268.9   | 277.7   | 507.7   | 495.3   | 389.2   |
| 87.5° | 21.2    | 26.5    | 38.9    | 182.2   | 145.0   | 70.8    | 95.5    | 99.1    | 102.6   | 88.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955029

CATALOG NUMBER: GLAN-SB8A-835-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4020.7  | 0°    | 4020.7  | 4020.7 | 4020.7 | 4020.7 | 4020.7 | 4020.7 | 4020.7 | 4020.7 | 4020.7 | 4020.7 |
| 4164.0  | 2.5°  | 4064.9  | 3976.5 | 3790.7 | 3619.2 | 3484.7 | 3355.6 | 3283.1 | 3221.2 | 3185.8 | 3178.7 |
| 4358.6  | 5°    | 4174.6  | 3992.4 | 3654.5 | 3369.7 | 3184.0 | 3046.0 | 2973.5 | 2927.5 | 2904.5 | 2890.4 |
| 4620.4  | 7.5°  | 4332.0  | 4064.9 | 3583.8 | 3260.1 | 3065.5 | 2966.4 | 2929.3 | 2922.2 | 2920.4 | 2922.2 |
| 4937.0  | 10°   | 4549.6  | 4183.4 | 3576.7 | 3233.5 | 3070.8 | 3016.0 | 3014.2 | 3016.0 | 3023.0 | 3024.8 |
| 5281.9  | 12.5° | 4784.9  | 4305.5 | 3605.0 | 3256.5 | 3138.0 | 3108.0 | 3102.6 | 3100.9 | 3106.2 | 3109.7 |
| 5630.4  | 15°   | 5041.4  | 4466.5 | 3652.8 | 3306.1 | 3212.3 | 3180.5 | 3175.2 | 3164.6 | 3162.8 | 3161.0 |
| 5996.6  | 17.5° | 5304.9  | 4625.7 | 3705.8 | 3359.1 | 3260.1 | 3215.9 | 3196.4 | 3171.6 | 3152.2 | 3146.9 |
| 6375.1  | 20°   | 5572.0  | 4783.1 | 3743.0 | 3385.7 | 3263.6 | 3201.7 | 3162.8 | 3120.3 | 3086.7 | 3067.3 |
| 6757.2  | 22.5° | 5856.8  | 4947.6 | 3766.0 | 3378.6 | 3231.8 | 3146.9 | 3076.1 | 3026.6 | 2975.3 | 2941.7 |
| 7142.8  | 25°   | 6134.5  | 5090.9 | 3764.2 | 3341.4 | 3169.9 | 3062.0 | 2971.7 | 2908.1 | 2837.3 | 2801.9 |
| 7540.8  | 27.5° | 6401.6  | 5220.0 | 3720.0 | 3276.0 | 3081.4 | 2961.1 | 2853.2 | 2777.2 | 2708.2 | 2674.6 |
| 7942.3  | 30°   | 6677.6  | 5327.9 | 3651.0 | 3180.5 | 2977.1 | 2844.4 | 2725.9 | 2660.4 | 2598.5 | 2566.7 |
| 8366.9  | 32.5° | 6951.8  | 5427.0 | 3553.7 | 3062.0 | 2856.8 | 2729.4 | 2612.7 | 2552.5 | 2515.4 | 2515.4 |
| 8823.3  | 35°   | 7241.9  | 5496.0 | 3424.6 | 2924.0 | 2729.4 | 2607.4 | 2515.4 | 2480.0 | 2476.5 | 2455.2 |
| 9306.2  | 37.5° | 7547.9  | 5540.2 | 3267.2 | 2782.5 | 2603.8 | 2488.8 | 2460.5 | 2418.1 | 2382.7 | 2336.7 |
| 9836.8  | 40°   | 7869.8  | 5584.4 | 3077.9 | 2635.7 | 2471.1 | 2407.5 | 2395.1 | 2338.5 | 2237.7 | 2124.4 |
| 10438.3 | 42.5° | 8260.7  | 5614.5 | 2881.5 | 2488.8 | 2331.4 | 2310.2 | 2327.9 | 2230.6 | 2069.6 | 1984.7 |
| 11163.5 | 45°   | 8713.6  | 5664.0 | 2701.1 | 2343.8 | 2188.1 | 2188.1 | 2262.4 | 2135.1 | 2002.4 | 1949.3 |
| 11991.3 | 47.5° | 9300.9  | 5779.0 | 2533.1 | 2184.6 | 2055.5 | 2090.8 | 2117.4 | 2020.1 | 1945.8 | 1880.3 |
| 12999.6 | 50°   | 10149.9 | 6054.9 | 2359.7 | 2023.6 | 1954.6 | 2025.4 | 1988.2 | 1931.6 | 1845.0 | 1791.9 |
| 14602.2 | 52.5° | 11204.2 | 6217.7 | 2205.8 | 1878.6 | 1868.0 | 1938.7 | 1885.6 | 1832.6 | 1767.1 | 1696.4 |
| 15817.5 | 55°   | 11922.4 | 6247.7 | 2076.7 | 1772.4 | 1809.6 | 1802.5 | 1783.0 | 1735.3 | 1699.9 | 1606.2 |
| 17016.8 | 57.5° | 12725.4 | 6307.9 | 1970.6 | 1708.8 | 1772.4 | 1694.6 | 1687.5 | 1646.8 | 1600.9 | 1537.2 |
| 18479.7 | 60°   | 13685.9 | 6401.6 | 1878.6 | 1684.0 | 1740.6 | 1623.8 | 1588.5 | 1572.5 | 1526.6 | 1494.7 |
| 20239.7 | 62.5° | 14733.1 | 6486.5 | 1784.8 | 1687.5 | 1703.4 | 1554.9 | 1501.8 | 1496.5 | 1468.2 | 1457.6 |
| 21891.9 | 65°   | 15447.8 | 6254.8 | 1668.1 | 1684.0 | 1645.1 | 1484.1 | 1416.9 | 1415.1 | 1392.1 | 1388.6 |
| 22608.3 | 67.5° | 15198.4 | 5520.7 | 1510.6 | 1634.5 | 1584.9 | 1413.3 | 1339.1 | 1332.0 | 1301.9 | 1303.7 |
| 21860.0 | 70°   | 13949.5 | 4473.5 | 1293.1 | 1512.4 | 1510.6 | 1349.7 | 1257.7 | 1234.7 | 1194.0 | 1201.1 |
| 19006.8 | 72.5° | 11607.5 | 3314.9 | 1001.2 | 1309.0 | 1392.1 | 1291.3 | 1163.9 | 1126.8 | 1075.5 | 1082.6 |
| 14030.9 | 75°   | 8382.8  | 2253.6 | 728.8  | 995.9  | 1211.7 | 1222.3 | 1072.0 | 1008.3 | 946.4  | 957.0  |
| 7809.7  | 77.5° | 4289.6  | 1277.1 | 536.0  | 686.3  | 951.7  | 1110.9 | 988.8  | 903.9  | 889.8  | 988.8  |
| 2251.8  | 80°   | 1399.2  | 640.3  | 371.5  | 481.1  | 624.4  | 909.2  | 866.8  | 769.5  | 765.9  | 788.9  |
| 472.3   | 82.5° | 417.5   | 270.6  | 238.8  | 316.6  | 344.9  | 696.9  | 748.2  | 582.0  | 500.6  | 527.1  |
| 157.4   | 85°   | 143.3   | 130.9  | 136.2  | 157.4  | 164.5  | 408.6  | 523.6  | 385.6  | 364.4  | 401.5  |
| 35.4    | 87.5° | 33.6    | 46.0   | 38.9   | 35.4   | 35.4   | 99.1   | 203.4  | 161.0  | 222.9  | 148.6  |
| 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°   |
|--------|
| 4020.7 |
| 3178.7 |
| 2888.6 |
| 2927.5 |
| 3026.6 |
| 3111.5 |
| 3159.2 |
| 3152.2 |
| 3074.3 |
| 2943.4 |
| 2801.9 |
| 2672.8 |
| 2564.9 |
| 2517.1 |
| 2449.9 |
| 2329.6 |
| 2108.5 |
| 1986.5 |
| 1958.2 |
| 1878.6 |
| 1786.6 |
| 1682.2 |
| 1607.9 |
| 1515.9 |
| 1503.6 |
| 1457.6 |
| 1386.8 |
| 1303.7 |
| 1208.2 |
| 1080.8 |
| 960.5  |
| 974.7  |
| 677.5  |
| 544.8  |
| 396.2  |
| 143.3  |
| 0.0    |