

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: P943614

Luminaire Tested: **GLAN-SB8A-935-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-935-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

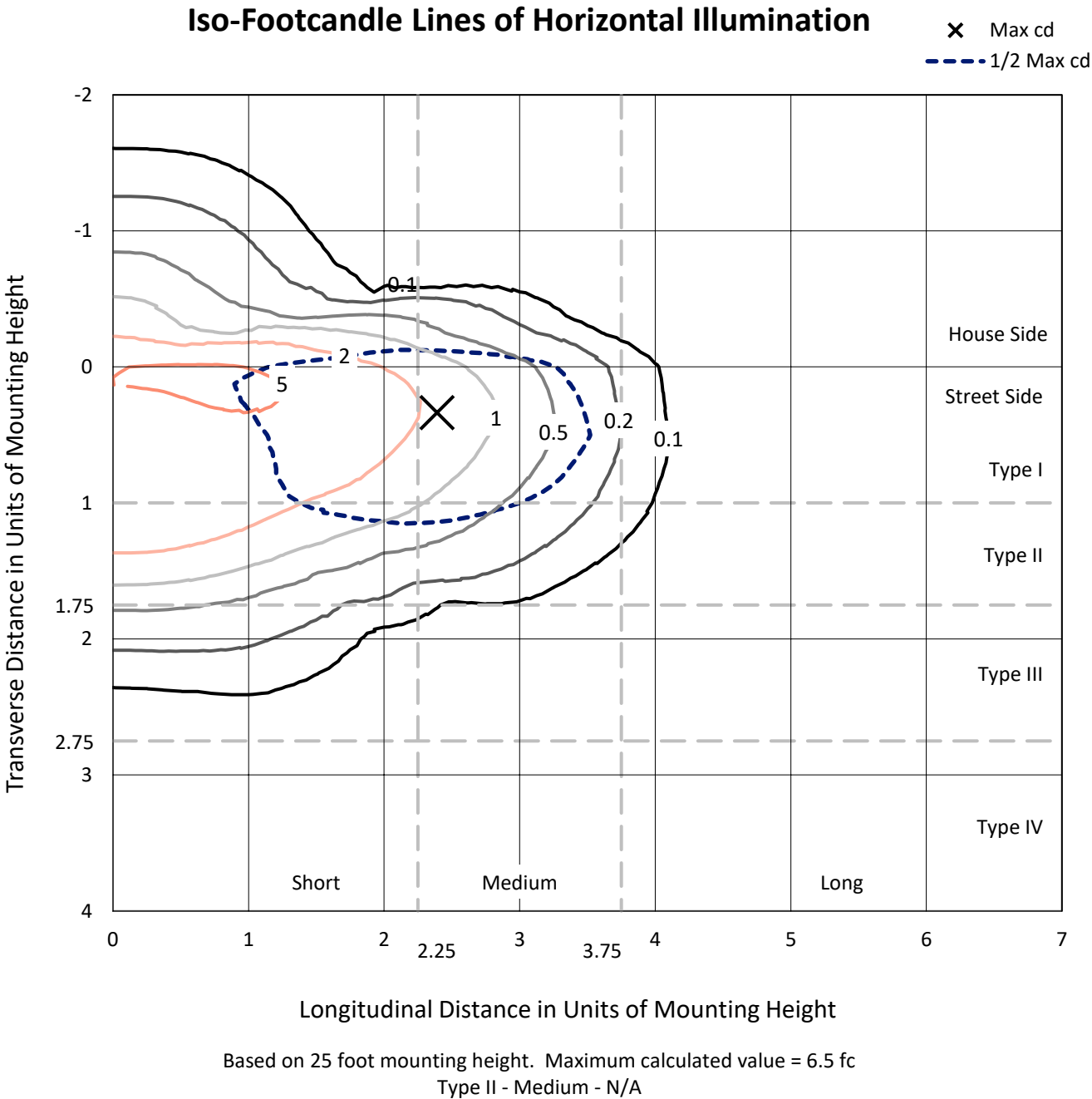
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18426 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

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

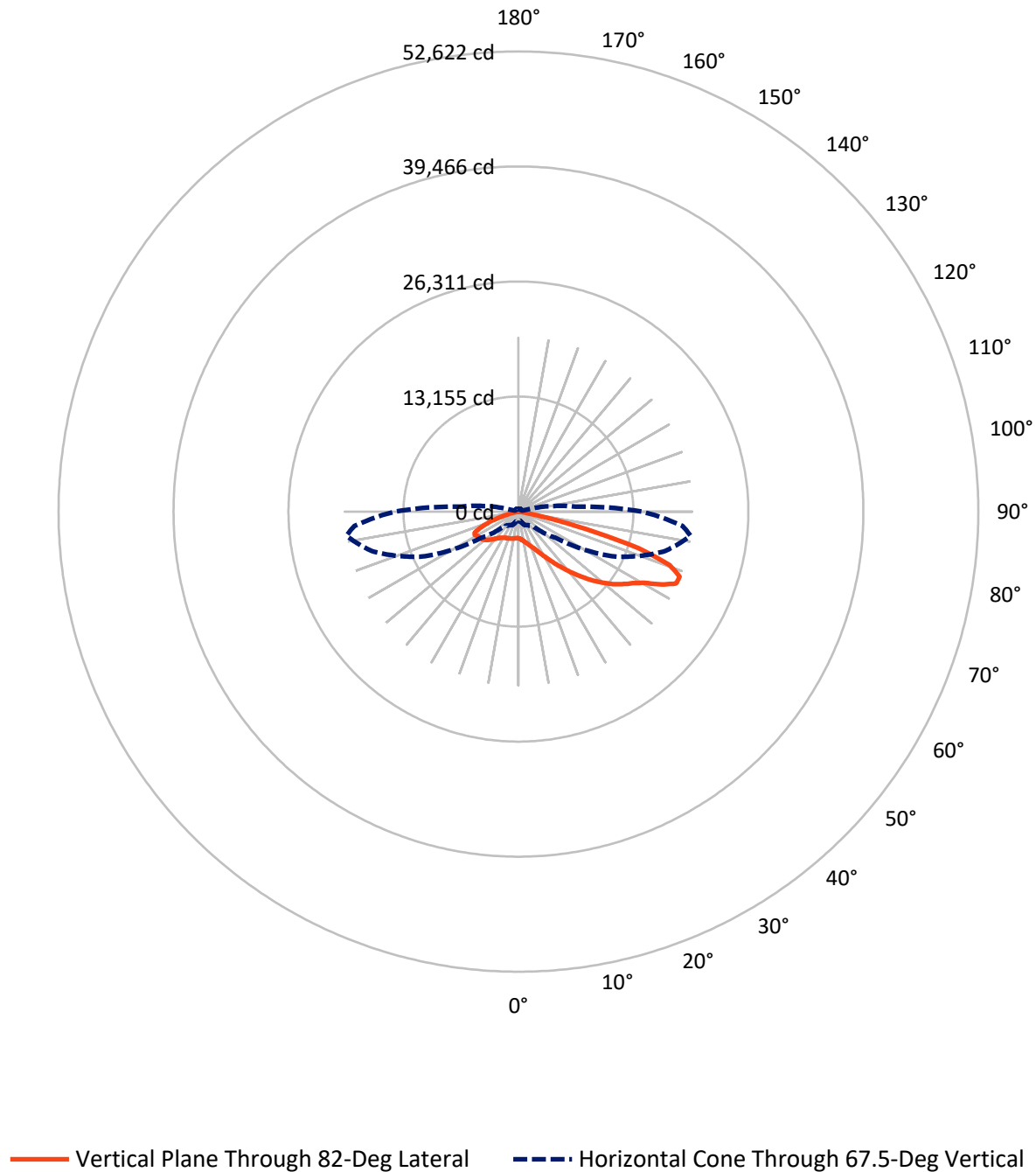


REPORT NUMBER: P943614  
CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS



REPORT NUMBER: P943614  
CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P943614

CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3337.7   | 0.0    | 3337.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 15088.3  | 0.0    | 15088.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 18426.0  | 0.0    | 18426.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 272.0   | 1.5       |
| 10°-20°   | 706.7   | 3.8       |
| 20°-30°   | 1131.9  | 6.1       |
| 30°-40°   | 2001.6  | 10.9      |
| 40°-50°   | 3507.0  | 19.0      |
| 50°-60°   | 4677.4  | 25.4      |
| 60°-70°   | 4354.4  | 23.6      |
| 70°-80°   | 1671.2  | 9.1       |
| 80°-90°   | 103.8   | 0.6       |
| 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°    | 18426.0 | 100.0     |
| 0°-180°   | 18426.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P943614

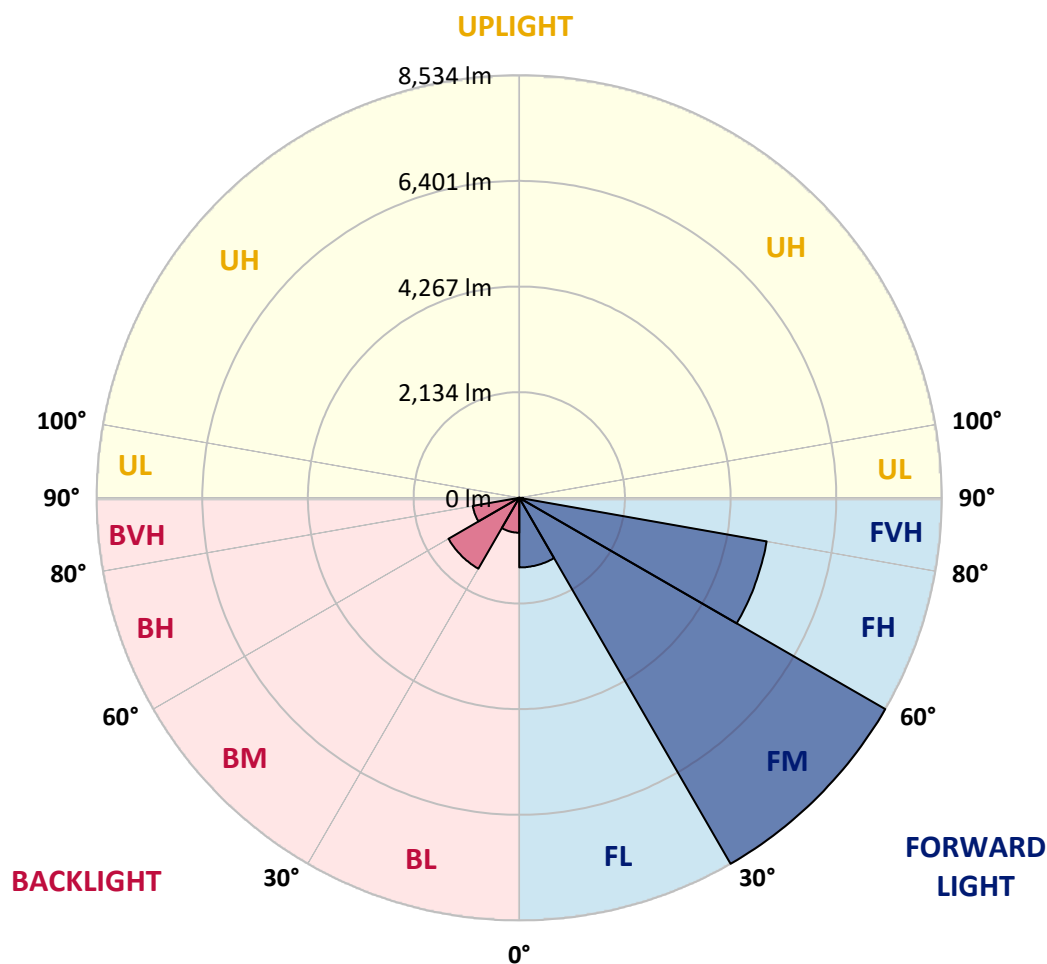
CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1405.7 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 8534.2 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 5073.0 | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 75.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 704.9  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1651.8 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 952.6  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 28.3   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Medium



REPORT NUMBER: P943614

CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6  | 3052.6  | 3052.6  |
| 2.5°  | 3226.4 | 3244.9 | 3234.3 | 3229.0 | 3219.7 | 3206.5 | 3195.8 | 3162.7  | 3128.2  | 3105.6  |
| 5°    | 3291.4 | 3309.9 | 3308.6 | 3313.9 | 3320.5 | 3324.5 | 3321.9 | 3284.7  | 3235.6  | 3197.2  |
| 7.5°  | 3235.6 | 3256.9 | 3274.1 | 3300.6 | 3347.1 | 3396.2 | 3420.0 | 3412.1  | 3361.7  | 3308.6  |
| 10°   | 3077.8 | 3100.3 | 3141.4 | 3203.8 | 3302.0 | 3408.1 | 3497.0 | 3538.1  | 3506.3  | 3447.9  |
| 12.5° | 2788.6 | 2811.1 | 2892.0 | 3027.4 | 3191.9 | 3376.3 | 3546.1 | 3656.2  | 3664.1  | 3605.8  |
| 15°   | 2463.5 | 2486.1 | 2572.3 | 2742.1 | 2992.9 | 3288.7 | 3572.6 | 3780.9  | 3851.2  | 3800.8  |
| 17.5° | 2261.9 | 2281.8 | 2346.8 | 2483.4 | 2744.8 | 3113.6 | 3563.3 | 3913.5  | 4074.1  | 4034.3  |
| 20°   | 2200.9 | 2218.1 | 2248.6 | 2344.1 | 2561.7 | 2931.8 | 3502.3 | 4038.2  | 4314.2  | 4291.6  |
| 22.5° | 2265.9 | 2281.8 | 2291.1 | 2333.5 | 2470.2 | 2812.4 | 3425.3 | 4165.6  | 4592.8  | 4595.4  |
| 25°   | 2415.8 | 2431.7 | 2421.1 | 2447.6 | 2507.3 | 2775.3 | 3396.2 | 4315.5  | 4943.0  | 4972.2  |
| 27.5° | 2662.5 | 2663.9 | 2638.7 | 2637.3 | 2646.6 | 2831.0 | 3426.7 | 4476.0  | 5384.8  | 5439.2  |
| 30°   | 3157.4 | 3137.5 | 3040.6 | 2935.8 | 2888.1 | 2998.2 | 3511.6 | 4665.7  | 5906.1  | 6003.0  |
| 32.5° | 3920.2 | 3891.0 | 3713.2 | 3462.5 | 3210.4 | 3267.5 | 3664.1 | 4882.0  | 6473.9  | 6649.0  |
| 35°   | 4748.0 | 4740.0 | 4554.3 | 4181.5 | 3741.1 | 3650.9 | 3912.2 | 5165.9  | 7093.5  | 7372.1  |
| 37.5° | 5517.4 | 5513.5 | 5407.3 | 4968.2 | 4432.3 | 4185.5 | 4310.2 | 5537.3  | 7756.8  | 8160.1  |
| 40°   | 6220.5 | 6232.5 | 6126.4 | 5733.7 | 5193.7 | 4871.4 | 4851.5 | 5996.3  | 8494.4  | 9018.4  |
| 42.5° | 6828.1 | 6841.4 | 6733.9 | 6443.4 | 5945.9 | 5630.2 | 5516.1 | 6558.8  | 9214.7  | 9940.4  |
| 45°   | 7240.7 | 7323.0 | 7307.1 | 7074.9 | 6718.0 | 6390.4 | 6314.7 | 7264.6  | 10035.9 | 10918.1 |
| 47.5° | 7357.5 | 7433.1 | 7552.5 | 7584.3 | 7366.7 | 7044.4 | 7134.6 | 8115.0  | 10866.4 | 11897.2 |
| 50°   | 7069.6 | 7139.9 | 7388.0 | 7718.3 | 7869.5 | 7770.0 | 7931.9 | 9026.4  | 11716.8 | 12873.6 |
| 52.5° | 6501.8 | 6573.4 | 6886.5 | 7409.2 | 8026.1 | 8339.2 | 8731.8 | 9924.5  | 12540.6 | 13798.2 |
| 55°   | 5680.6 | 5756.2 | 6158.2 | 6749.9 | 7727.6 | 8574.0 | 9399.1 | 10821.3 | 13295.4 | 14630.0 |
| 57.5° | 4563.6 | 4619.3 | 5037.2 | 5865.0 | 6976.7 | 8340.5 | 9891.3 | 11800.3 | 14006.5 | 15447.2 |
| 60°   | 2974.3 | 3023.4 | 3508.9 | 4432.3 | 5732.3 | 7560.4 | 9989.5 | 12892.1 | 14951.1 | 16509.9 |
| 62.5° | 1978.0 | 2011.2 | 2299.0 | 2976.9 | 4036.9 | 6062.7 | 9415.1 | 13763.7 | 16336.1 | 18359.2 |
| 65°   | 1357.1 | 1390.3 | 1678.2 | 2150.5 | 2608.1 | 4010.4 | 7763.4 | 13648.3 | 17591.1 | 19827.7 |
| 67.5° | 968.4  | 996.3  | 1240.4 | 1686.1 | 1887.8 | 2329.6 | 5262.7 | 12173.1 | 17410.6 | 19883.5 |
| 70°   | 693.8  | 709.7  | 911.4  | 1313.4 | 1500.4 | 1399.6 | 2926.5 | 9310.3  | 15244.3 | 18360.5 |
| 72.5° | 485.5  | 490.9  | 632.8  | 1000.3 | 1208.6 | 1021.5 | 1393.0 | 6207.3  | 11529.7 | 14411.1 |
| 75°   | 329.0  | 335.6  | 425.8  | 733.6  | 969.8  | 780.1  | 737.6  | 3328.5  | 6768.4  | 7977.0  |
| 77.5° | 201.6  | 204.3  | 274.6  | 501.5  | 725.7  | 594.3  | 474.9  | 1410.2  | 2618.8  | 2571.0  |
| 80°   | 114.1  | 114.1  | 175.1  | 311.8  | 494.8  | 383.4  | 333.0  | 599.6   | 829.1   | 728.3   |
| 82.5° | 63.7   | 65.0   | 127.4  | 193.7  | 327.7  | 226.9  | 183.1  | 277.3   | 358.2   | 317.1   |
| 85°   | 26.5   | 29.2   | 78.3   | 91.5   | 156.5  | 112.8  | 74.3   | 116.7   | 132.7   | 118.1   |
| 87.5° | 2.7    | 4.0    | 23.9   | 17.2   | 18.6   | 22.6   | 10.6   | 22.6    | 18.6    | 18.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P943614

CATALOG NUMBER: GLAN-SB8A-935-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3052.6  | 0°    | 3052.6  | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 | 3052.6 |
| 3097.7  | 2.5°  | 3072.5  | 3052.6 | 3002.2 | 2943.8 | 2866.8 | 2829.7 | 2779.3 | 2744.8 | 2715.6 | 2718.3 |
| 3174.6  | 5°    | 3132.2  | 3081.8 | 2969.0 | 2828.4 | 2653.3 | 2528.5 | 2395.9 | 2304.3 | 2230.1 | 2214.1 |
| 3280.7  | 7.5°  | 3214.4  | 3134.8 | 2937.1 | 2683.8 | 2387.9 | 2163.7 | 1963.4 | 1834.7 | 1743.2 | 1714.0 |
| 3409.4  | 10°   | 3320.5  | 3205.1 | 2896.0 | 2502.0 | 2076.2 | 1790.9 | 1576.0 | 1475.2 | 1412.9 | 1391.6 |
| 3560.7  | 12.5° | 3443.9  | 3286.1 | 2841.6 | 2280.5 | 1755.1 | 1480.5 | 1343.9 | 1293.5 | 1273.6 | 1266.9 |
| 3746.4  | 15°   | 3599.1  | 3386.9 | 2759.4 | 2017.8 | 1483.2 | 1290.8 | 1232.4 | 1225.8 | 1228.5 | 1225.8 |
| 3969.3  | 17.5° | 3783.5  | 3497.0 | 2625.4 | 1747.2 | 1300.1 | 1194.0 | 1172.7 | 1178.0 | 1184.7 | 1183.3 |
| 4218.7  | 20°   | 3985.2  | 3605.8 | 2454.3 | 1507.0 | 1175.4 | 1125.0 | 1113.0 | 1118.3 | 1123.7 | 1121.0 |
| 4506.5  | 22.5° | 4214.7  | 3722.5 | 2264.5 | 1320.0 | 1091.8 | 1061.3 | 1048.0 | 1049.4 | 1049.4 | 1044.1 |
| 4871.4  | 25°   | 4489.3  | 3851.2 | 2065.6 | 1187.3 | 1028.1 | 1004.3 | 988.3  | 983.0  | 975.1  | 959.2  |
| 5314.5  | 27.5° | 4817.0  | 3987.8 | 1874.5 | 1094.5 | 977.7  | 955.2  | 936.6  | 923.3  | 903.4  | 876.9  |
| 5846.4  | 30°   | 5185.8  | 4153.7 | 1712.7 | 1036.1 | 937.9  | 915.4  | 894.1  | 874.2  | 845.1  | 811.9  |
| 6458.0  | 32.5° | 5619.6  | 4331.4 | 1594.6 | 997.6  | 902.1  | 878.2  | 853.0  | 829.1  | 797.3  | 764.1  |
| 7145.2  | 35°   | 6137.0  | 4546.3 | 1525.6 | 971.1  | 874.2  | 842.4  | 814.5  | 788.0  | 764.1  | 735.0  |
| 7892.1  | 37.5° | 6698.1  | 4774.5 | 1504.4 | 957.8  | 855.7  | 806.6  | 774.7  | 756.2  | 753.5  | 736.3  |
| 8700.0  | 40°   | 7312.4  | 5045.2 | 1520.3 | 949.9  | 835.8  | 772.1  | 737.6  | 733.6  | 740.3  | 709.7  |
| 9563.6  | 42.5° | 7962.4  | 5366.2 | 1546.8 | 940.6  | 807.9  | 737.6  | 704.4  | 704.4  | 699.1  | 656.7  |
| 10476.4 | 45°   | 8665.5  | 5736.3 | 1573.4 | 918.0  | 774.7  | 703.1  | 677.9  | 668.6  | 646.1  | 604.9  |
| 11394.4 | 47.5° | 9373.9  | 6113.1 | 1593.3 | 876.9  | 735.0  | 673.9  | 651.4  | 630.1  | 597.0  | 559.8  |
| 12295.2 | 50°   | 10046.5 | 6451.4 | 1572.1 | 815.9  | 689.8  | 646.1  | 622.2  | 593.0  | 557.2  | 532.0  |
| 13148.2 | 52.5° | 10647.5 | 6744.6 | 1481.8 | 744.2  | 642.1  | 616.9  | 595.7  | 565.1  | 536.0  | 509.4  |
| 13917.6 | 55°   | 11170.2 | 6982.0 | 1322.6 | 676.6  | 599.6  | 591.7  | 570.4  | 532.0  | 492.2  | 469.6  |
| 14680.4 | 57.5° | 11671.6 | 7162.4 | 1123.7 | 620.9  | 561.2  | 563.8  | 532.0  | 497.5  | 460.3  | 436.5  |
| 15708.6 | 60°   | 12338.9 | 7403.9 | 922.0  | 569.1  | 520.0  | 528.0  | 493.5  | 468.3  | 421.9  | 391.4  |
| 17471.7 | 62.5° | 13405.5 | 7779.3 | 732.3  | 505.4  | 472.3  | 474.9  | 460.3  | 429.8  | 374.1  | 338.3  |
| 18778.4 | 65°   | 14251.9 | 7641.4 | 577.1  | 436.5  | 417.9  | 421.9  | 421.9  | 388.7  | 329.0  | 287.9  |
| 18848.7 | 67.5° | 14156.4 | 6542.9 | 460.3  | 368.8  | 366.1  | 368.8  | 378.1  | 350.2  | 291.9  | 258.7  |
| 17413.3 | 70°   | 13040.7 | 5204.4 | 368.8  | 306.5  | 318.4  | 311.8  | 338.3  | 319.7  | 262.7  | 229.5  |
| 13499.7 | 72.5° | 10640.9 | 3749.0 | 281.2  | 253.4  | 244.1  | 254.7  | 305.1  | 287.9  | 218.9  | 181.7  |
| 7150.5  | 75°   | 6217.9  | 2000.6 | 209.6  | 200.3  | 176.4  | 212.3  | 270.6  | 245.4  | 167.2  | 134.0  |
| 2191.6  | 77.5° | 2024.4  | 697.8  | 153.9  | 147.3  | 131.3  | 171.1  | 230.8  | 207.0  | 136.6  | 106.1  |
| 642.1   | 80°   | 542.6   | 210.9  | 104.8  | 96.8   | 84.9   | 127.4  | 183.1  | 164.5  | 98.2   | 69.0   |
| 275.9   | 82.5° | 217.6   | 88.9   | 61.0   | 54.4   | 46.4   | 87.6   | 144.6  | 132.7  | 73.0   | 43.8   |
| 86.2    | 85°   | 70.3    | 29.2   | 22.6   | 17.2   | 21.2   | 54.4   | 86.2   | 90.2   | 51.7   | 22.6   |
| 13.3    | 87.5° | 9.3     | 4.0    | 4.0    | 5.3    | 4.0    | 9.3    | 26.5   | 25.2   | 14.6   | 2.7    |
| 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°   |
|--------|
| 3052.6 |
| 2691.7 |
| 2178.3 |
| 1684.8 |
| 1375.7 |
| 1262.9 |
| 1224.5 |
| 1180.7 |
| 1119.7 |
| 1041.4 |
| 956.5  |
| 874.2  |
| 809.2  |
| 765.5  |
| 732.3  |
| 735.0  |
| 711.1  |
| 656.7  |
| 603.6  |
| 558.5  |
| 528.0  |
| 506.8  |
| 467.0  |
| 433.8  |
| 387.4  |
| 335.6  |
| 283.9  |
| 253.4  |
| 225.5  |
| 177.8  |
| 130.0  |
| 102.2  |
| 67.7   |
| 43.8   |
| 17.2   |
| 0.0    |
| 0.0    |