

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: P941188

Luminaire Tested: **GLAN-SB4C-835-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 21079 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

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



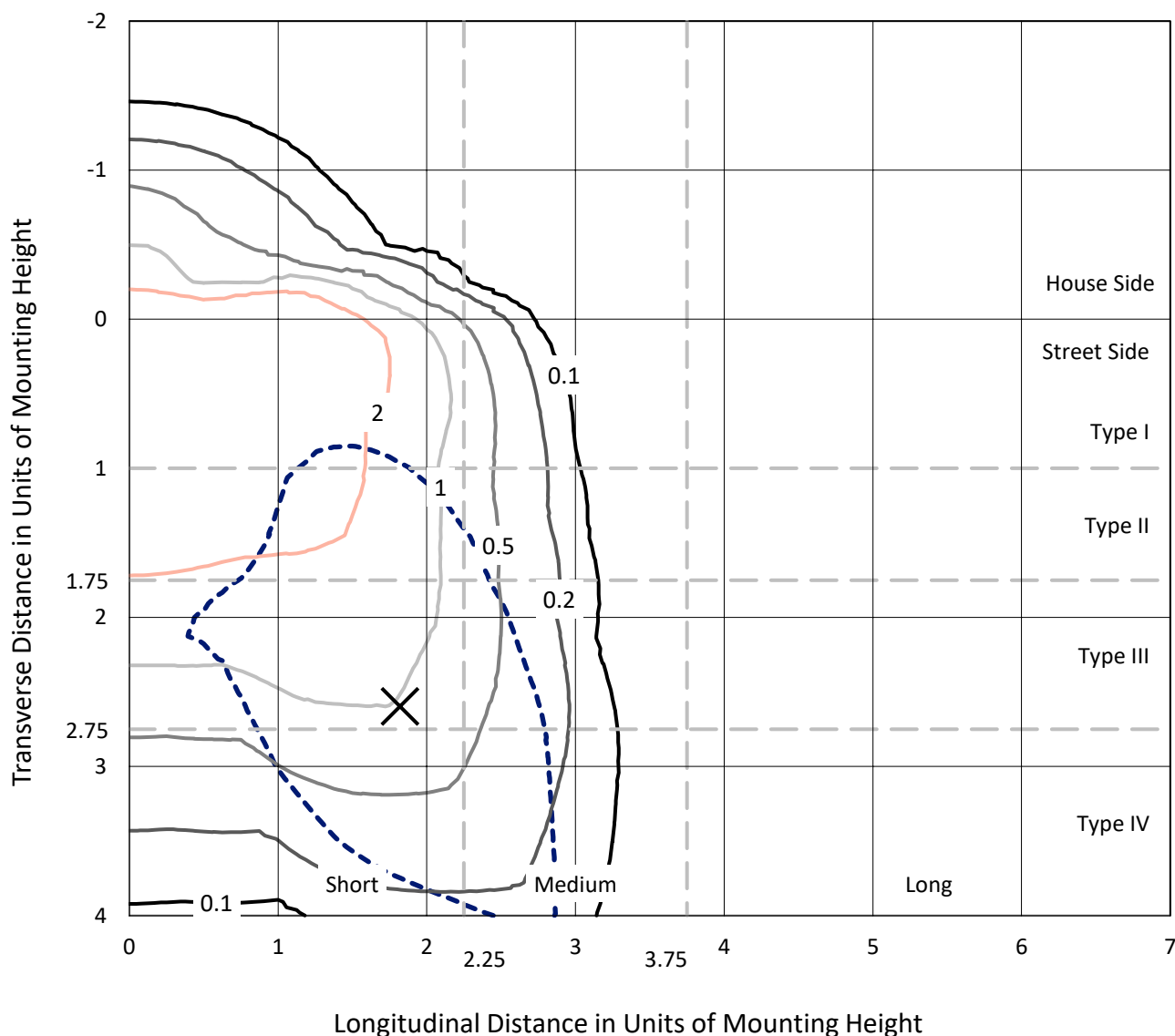
REPORT NUMBER: P941188

CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

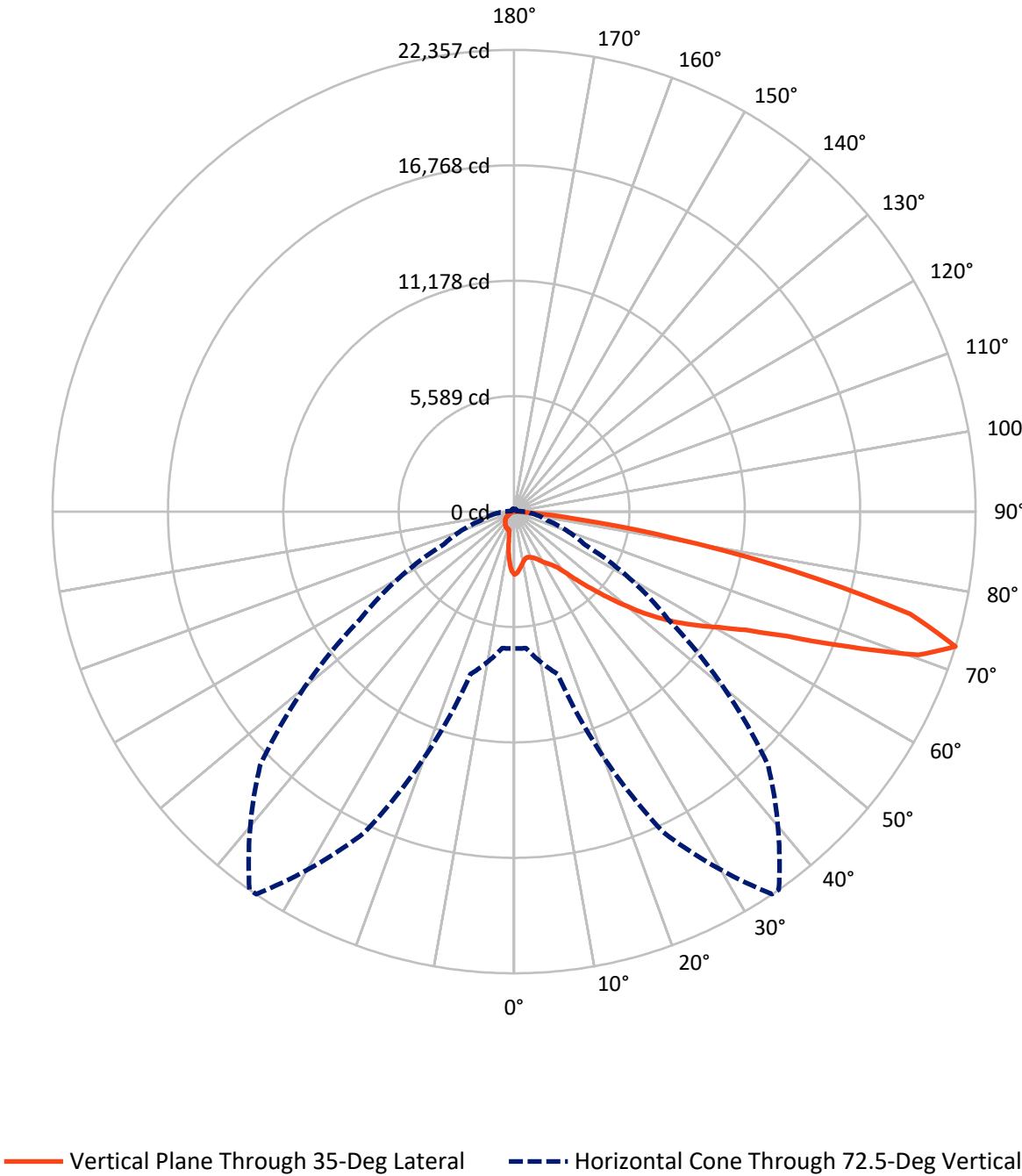
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
Type IV - Short - N/A

REPORT NUMBER: P941188  
CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P941188

CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

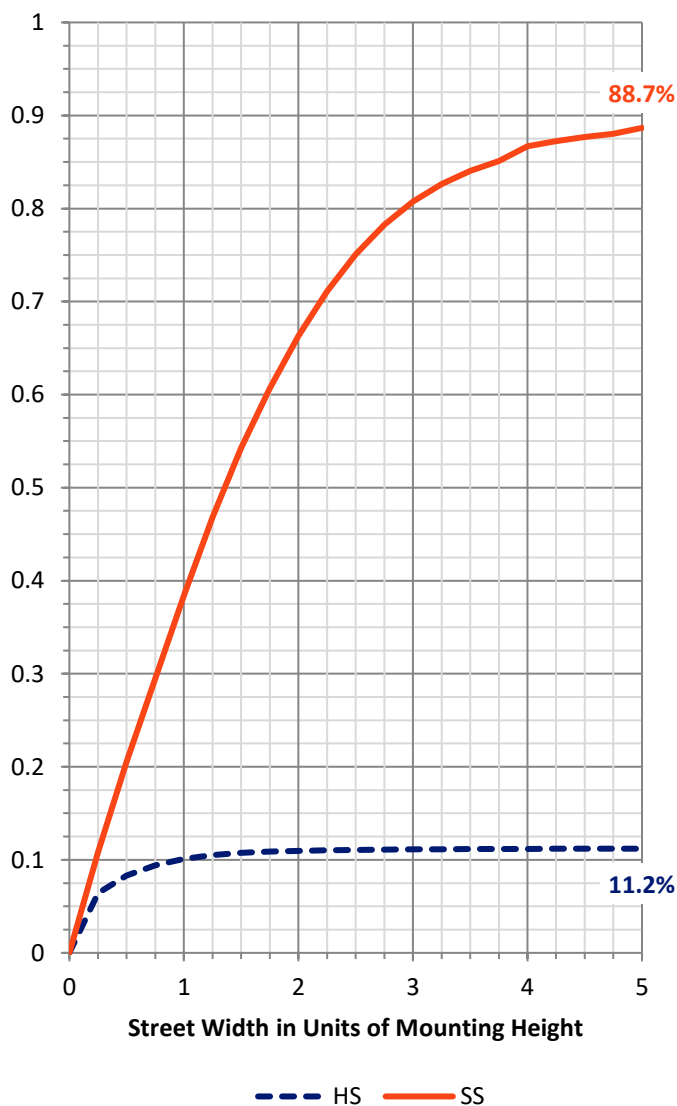
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2372.3   | 0.0    | 2372.3  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 18706.7  | 0.0    | 18706.7 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 21079.0  | 0.0    | 21079.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 251.0   | 1.2       |
| 10°-20°   | 587.3   | 2.8       |
| 20°-30°   | 954.0   | 4.5       |
| 30°-40°   | 1591.8  | 7.6       |
| 40°-50°   | 3011.7  | 14.3      |
| 50°-60°   | 4785.6  | 22.7      |
| 60°-70°   | 5920.1  | 28.1      |
| 70°-80°   | 3680.0  | 17.5      |
| 80°-90°   | 297.4   | 1.4       |
| 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°    | 21079.0 | 100.0     |
| 0°-180°   | 21079.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941188

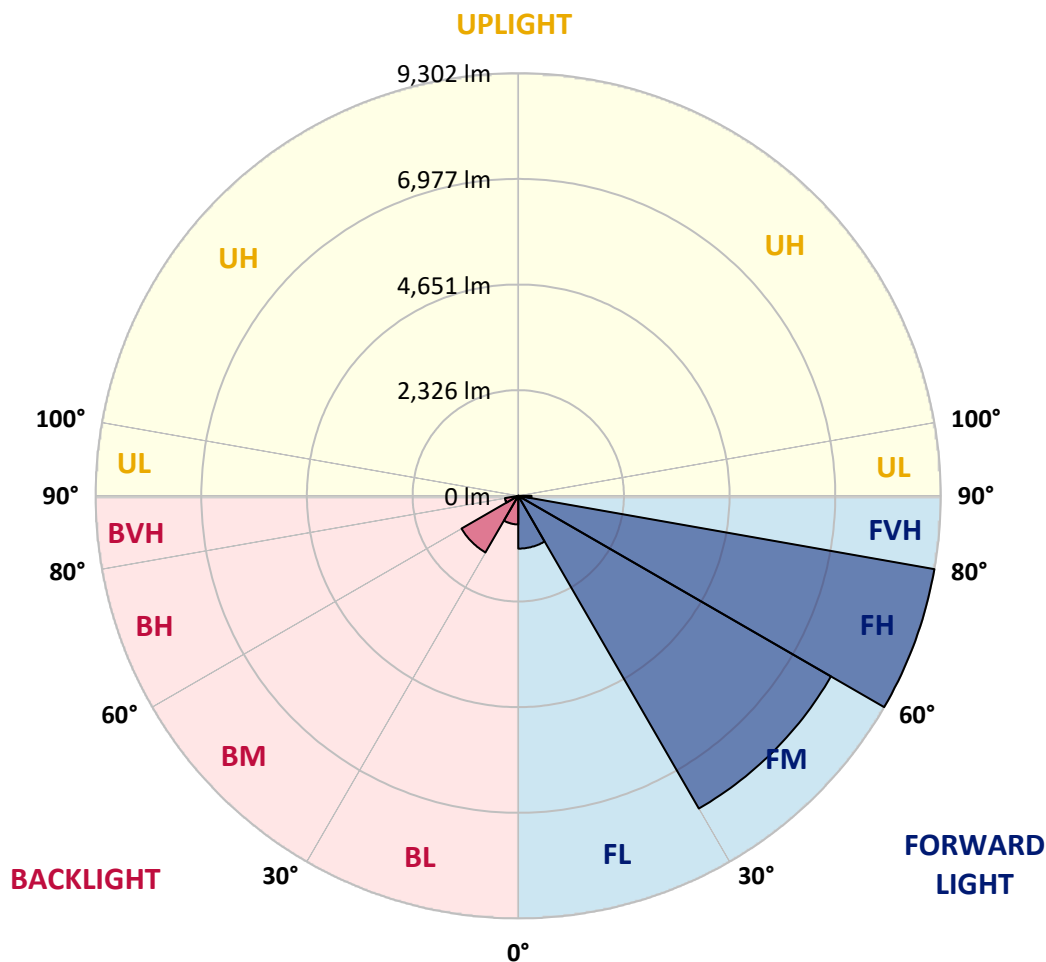
CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1162.0 | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 7948.9 | 37.7      |                         |      |          |
| FH   | (60°-80°)   | 9302.4 | 44.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 293.4  | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 630.4  | 3.0       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1440.2 | 6.8       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 297.7  | 1.4       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 4.0    | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



REPORT NUMBER: P941188

CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  | 3055.1  |
| 2.5°  | 2919.1  | 2943.8  | 2948.5  | 2956.2  | 2956.2  | 2965.5  | 2980.9  | 3002.5  | 3038.1  | 3056.6  |
| 5°    | 2690.5  | 2709.1  | 2732.2  | 2750.8  | 2786.3  | 2790.9  | 2851.2  | 2909.9  | 2991.7  | 3053.5  |
| 7.5°  | 2460.4  | 2482.0  | 2512.9  | 2557.7  | 2604.1  | 2618.0  | 2709.1  | 2807.9  | 2937.7  | 3053.5  |
| 10°   | 2298.2  | 2299.8  | 2327.6  | 2372.4  | 2446.5  | 2463.5  | 2574.7  | 2715.3  | 2877.4  | 3035.0  |
| 12.5° | 2207.1  | 2217.9  | 2230.3  | 2264.3  | 2335.3  | 2346.1  | 2465.0  | 2630.3  | 2817.2  | 3024.2  |
| 15°   | 2207.1  | 2214.8  | 2222.6  | 2239.5  | 2296.7  | 2306.0  | 2411.0  | 2576.3  | 2786.3  | 3028.8  |
| 17.5° | 2230.3  | 2242.6  | 2236.5  | 2256.5  | 2316.8  | 2323.0  | 2415.6  | 2560.8  | 2784.8  | 3058.1  |
| 20°   | 2285.9  | 2295.2  | 2282.8  | 2295.2  | 2355.4  | 2367.7  | 2463.5  | 2590.2  | 2811.0  | 3109.1  |
| 22.5° | 2373.9  | 2378.6  | 2349.2  | 2358.5  | 2420.3  | 2435.7  | 2546.9  | 2673.6  | 2874.3  | 3191.0  |
| 25°   | 2485.1  | 2494.4  | 2449.6  | 2460.4  | 2519.1  | 2537.6  | 2665.8  | 2798.7  | 2974.7  | 3303.7  |
| 27.5° | 2613.3  | 2618.0  | 2579.3  | 2577.8  | 2653.5  | 2679.7  | 2809.5  | 2953.1  | 3109.1  | 3445.8  |
| 30°   | 2760.1  | 2774.0  | 2736.9  | 2730.7  | 2826.5  | 2848.1  | 2976.3  | 3143.1  | 3306.8  | 3659.0  |
| 32.5° | 2875.9  | 2886.7  | 2865.1  | 2880.5  | 2977.8  | 2994.8  | 3178.6  | 3411.8  | 3617.3  | 3961.7  |
| 35°   | 3042.7  | 3048.9  | 2999.5  | 3027.3  | 3138.5  | 3181.7  | 3455.1  | 3788.7  | 4008.0  | 4341.6  |
| 37.5° | 3646.6  | 3646.6  | 3436.5  | 3299.1  | 3405.7  | 3444.3  | 3833.5  | 4262.9  | 4489.9  | 4851.3  |
| 40°   | 4482.2  | 4468.3  | 4160.9  | 3879.8  | 3865.9  | 3941.6  | 4372.5  | 4860.6  | 5112.3  | 5463.0  |
| 42.5° | 5373.4  | 5351.8  | 4933.2  | 4655.2  | 4608.8  | 4635.1  | 4995.0  | 5597.3  | 5853.7  | 6209.0  |
| 45°   | 6164.2  | 6158.0  | 5774.9  | 5401.2  | 5317.8  | 5401.2  | 5771.9  | 6459.2  | 6643.0  | 7016.7  |
| 47.5° | 6826.8  | 6826.8  | 6547.2  | 6303.2  | 6259.9  | 6309.4  | 6823.7  | 7415.2  | 7398.2  | 7877.0  |
| 50°   | 7589.8  | 7583.6  | 7317.9  | 7212.9  | 7257.7  | 7327.2  | 8034.6  | 8422.2  | 8179.8  | 8721.9  |
| 52.5° | 8124.2  | 8161.2  | 8070.1  | 8053.1  | 8281.7  | 8402.2  | 9264.0  | 9407.7  | 8879.4  | 9523.5  |
| 55°   | 8547.4  | 8590.6  | 8695.6  | 8814.6  | 9254.7  | 9412.3  | 10454.8 | 10342.1 | 9464.8  | 10218.5 |
| 57.5° | 9146.6  | 9084.8  | 9247.0  | 9481.8  | 10193.8 | 10383.8 | 11608.6 | 11224.0 | 9935.9  | 10782.3 |
| 60°   | 9874.1  | 9883.4  | 9911.2  | 10207.7 | 11131.3 | 11375.4 | 12745.4 | 12058.0 | 10238.6 | 11128.2 |
| 62.5° | 10748.3 | 10762.2 | 10819.3 | 11275.0 | 12390.1 | 12620.2 | 13956.3 | 12740.7 | 10377.6 | 11030.9 |
| 65°   | 10688.1 | 10746.7 | 11384.6 | 12943.0 | 14303.8 | 14530.8 | 15369.5 | 13219.5 | 10167.6 | 10141.3 |
| 67.5° | 9736.6  | 9832.4  | 10899.7 | 14935.5 | 17188.9 | 17442.2 | 17077.7 | 13313.7 | 9260.9  | 7886.3  |
| 70°   | 8488.7  | 8522.6  | 9806.1  | 16727.1 | 20529.7 | 20786.1 | 18606.8 | 12277.4 | 7027.6  | 4398.8  |
| 72.5° | 6629.1  | 6636.8  | 8142.7  | 17142.6 | 22343.0 | 22356.9 | 17406.7 | 9114.2  | 3779.4  | 1689.7  |
| 75°   | 4735.5  | 4689.2  | 5453.7  | 13902.2 | 19657.1 | 19814.6 | 13049.6 | 4275.2  | 1444.1  | 798.5   |
| 77.5° | 2539.2  | 2590.2  | 3085.9  | 8244.6  | 13579.4 | 13848.1 | 7120.2  | 1232.5  | 735.2   | 543.7   |
| 80°   | 784.6   | 827.9   | 1265.0  | 3774.8  | 7691.7  | 7853.9  | 2639.6  | 548.3   | 512.8   | 387.7   |
| 82.5° | 247.1   | 256.4   | 590.0   | 1586.2  | 3192.5  | 3266.7  | 764.5   | 310.4   | 350.6   | 256.4   |
| 85°   | 71.0    | 72.6    | 262.6   | 591.5   | 789.2   | 804.7   | 214.7   | 120.5   | 200.8   | 159.1   |
| 87.5° | 7.7     | 24.7    | 98.8    | 98.8    | 69.5    | 68.0    | 23.2    | 26.3    | 57.1    | 20.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P941188

CATALOG NUMBER: GLAN-SB4C-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3055.1  | 0°    | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 | 3055.1 |
| 3069.0  | 2.5°  | 3061.2 | 3062.8 | 3042.7 | 3008.7 | 2971.6 | 2940.8 | 2902.1 | 2871.3 | 2849.6 | 2843.5 |
| 3096.8  | 5°    | 3082.9 | 3072.0 | 3014.9 | 2911.4 | 2787.9 | 2681.3 | 2562.4 | 2468.1 | 2406.4 | 2380.1 |
| 3126.1  | 7.5°  | 3115.3 | 3084.4 | 2959.3 | 2755.4 | 2519.1 | 2309.1 | 2095.9 | 1930.6 | 1825.6 | 1773.1 |
| 3153.9  | 10°   | 3143.1 | 3081.3 | 2866.6 | 2529.9 | 2168.5 | 1850.3 | 1563.1 | 1363.8 | 1252.6 | 1200.1 |
| 3186.3  | 12.5° | 3169.3 | 3079.8 | 2746.2 | 2262.7 | 1773.1 | 1383.9 | 1116.7 | 1017.8 | 986.9  | 976.1  |
| 3238.9  | 15°   | 3218.8 | 3084.4 | 2594.8 | 1956.9 | 1379.3 | 1045.6 | 948.3  | 946.8  | 953.0  | 949.9  |
| 3319.2  | 17.5° | 3286.7 | 3089.0 | 2423.3 | 1632.6 | 1064.2 | 922.1  | 917.4  | 931.3  | 940.6  | 936.0  |
| 3419.6  | 20°   | 3374.8 | 3107.6 | 2241.1 | 1311.3 | 914.4  | 891.2  | 902.0  | 914.4  | 922.1  | 914.4  |
| 3553.9  | 22.5° | 3498.3 | 3140.0 | 2041.9 | 1053.4 | 866.5  | 872.7  | 881.9  | 895.8  | 903.5  | 892.7  |
| 3725.4  | 25°   | 3649.7 | 3191.0 | 1845.7 | 915.9  | 843.3  | 851.0  | 864.9  | 880.4  | 889.6  | 878.8  |
| 3941.6  | 27.5° | 3845.8 | 3272.8 | 1665.0 | 885.0  | 820.1  | 824.8  | 844.9  | 868.0  | 880.4  | 866.5  |
| 4249.0  | 30°   | 4130.0 | 3407.2 | 1509.0 | 898.9  | 806.2  | 795.4  | 823.2  | 855.7  | 869.6  | 857.2  |
| 4667.5  | 32.5° | 4506.9 | 3597.2 | 1413.2 | 920.5  | 800.1  | 761.4  | 787.7  | 829.4  | 852.6  | 844.9  |
| 5214.3  | 35°   | 5001.1 | 3886.0 | 1376.2 | 945.2  | 795.4  | 725.9  | 744.5  | 789.2  | 829.4  | 837.1  |
| 5903.1  | 37.5° | 5600.4 | 4287.6 | 1387.0 | 956.1  | 781.5  | 696.6  | 705.8  | 744.5  | 797.0  | 821.7  |
| 6678.5  | 40°   | 6281.5 | 4755.6 | 1448.8 | 945.2  | 766.1  | 671.9  | 673.4  | 702.8  | 749.1  | 786.2  |
| 7512.5  | 42.5° | 6984.3 | 5302.3 | 1563.1 | 905.1  | 752.2  | 650.2  | 645.6  | 665.7  | 696.6  | 722.8  |
| 8345.0  | 45°   | 7653.1 | 5864.5 | 1675.8 | 849.5  | 735.2  | 628.6  | 617.8  | 625.5  | 631.7  | 642.5  |
| 9155.9  | 47.5° | 8236.9 | 6259.9 | 1643.4 | 798.5  | 712.0  | 603.9  | 585.4  | 582.3  | 563.7  | 562.2  |
| 9880.3  | 50°   | 8640.0 | 6346.4 | 1459.6 | 747.5  | 678.0  | 576.1  | 546.8  | 528.2  | 495.8  | 480.3  |
| 10422.4 | 52.5° | 8768.2 | 6005.1 | 1192.4 | 696.6  | 622.4  | 539.0  | 497.3  | 468.0  | 427.8  | 413.9  |
| 10734.4 | 55°   | 8598.3 | 5336.3 | 953.0  | 634.8  | 545.2  | 489.6  | 443.3  | 404.7  | 372.2  | 355.2  |
| 10768.4 | 57.5° | 8182.8 | 4485.3 | 753.7  | 562.2  | 463.4  | 434.0  | 387.7  | 349.1  | 321.3  | 304.3  |
| 10391.5 | 60°   | 7494.0 | 3561.7 | 596.2  | 475.7  | 395.4  | 373.8  | 325.9  | 301.2  | 276.5  | 256.4  |
| 9418.5  | 62.5° | 6448.4 | 2542.3 | 468.0  | 376.9  | 330.5  | 305.8  | 278.0  | 259.5  | 230.1  | 202.3  |
| 7668.5  | 65°   | 5032.0 | 1555.3 | 361.4  | 276.5  | 265.7  | 253.3  | 236.3  | 219.3  | 183.8  | 156.0  |
| 5002.7  | 67.5° | 3174.0 | 736.7  | 257.9  | 208.5  | 210.1  | 203.9  | 196.2  | 182.3  | 156.0  | 131.3  |
| 2241.1  | 70°   | 1397.8 | 356.8  | 169.9  | 159.1  | 156.0  | 156.0  | 162.2  | 157.5  | 132.8  | 109.7  |
| 778.4   | 72.5° | 475.7  | 191.5  | 126.7  | 120.5  | 112.7  | 111.2  | 135.9  | 131.3  | 106.6  | 84.9   |
| 387.7   | 75°   | 248.7  | 128.2  | 92.7   | 86.5   | 68.0   | 81.9   | 108.1  | 101.9  | 75.7   | 55.6   |
| 256.4   | 77.5° | 162.2  | 91.1   | 63.3   | 55.6   | 38.6   | 54.1   | 80.3   | 71.0   | 44.8   | 27.8   |
| 168.4   | 80°   | 101.9  | 60.2   | 37.1   | 26.3   | 18.5   | 29.3   | 43.2   | 30.9   | 17.0   | 6.2    |
| 98.8    | 82.5° | 54.1   | 30.9   | 13.9   | 9.3    | 7.7    | 9.3    | 10.8   | 7.7    | 3.1    | 0.0    |
| 51.0    | 85°   | 21.6   | 10.8   | 4.6    | 3.1    | 1.5    | 0.0    | 3.1    | 1.5    | 0.0    | 0.0    |
| 9.3     | 87.5° | 7.7    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 3055.1 |
| 2854.3 |
| 2389.4 |
| 1780.8 |
| 1201.6 |
| 973.0  |
| 948.3  |
| 934.4  |
| 912.8  |
| 891.2  |
| 877.3  |
| 866.5  |
| 855.7  |
| 844.9  |
| 837.1  |
| 827.9  |
| 798.5  |
| 733.6  |
| 648.7  |
| 560.7  |
| 481.9  |
| 412.4  |
| 355.2  |
| 301.2  |
| 251.8  |
| 197.7  |
| 151.4  |
| 128.2  |
| 105.0  |
| 80.3   |
| 51.0   |
| 24.7   |
| 4.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |