

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: P954111

Luminaire Tested: **GLAN-SB7B-950-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-950-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 27804 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7  
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

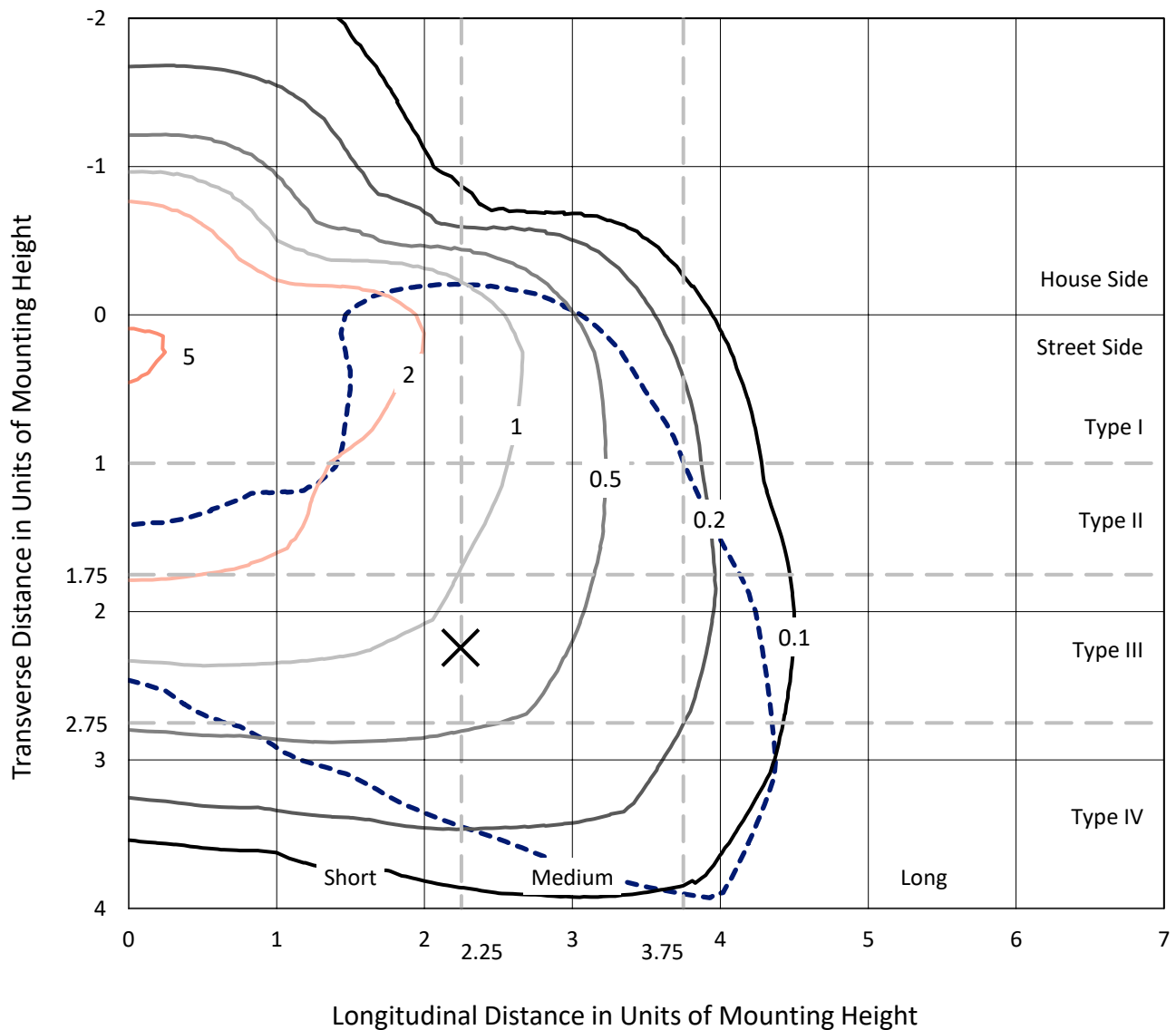


REPORT NUMBER: P954111

CATALOG NUMBER: GLAN-SB7B-950-U-T4W

## Iso-Footcandle Lines of Horizontal Illumination

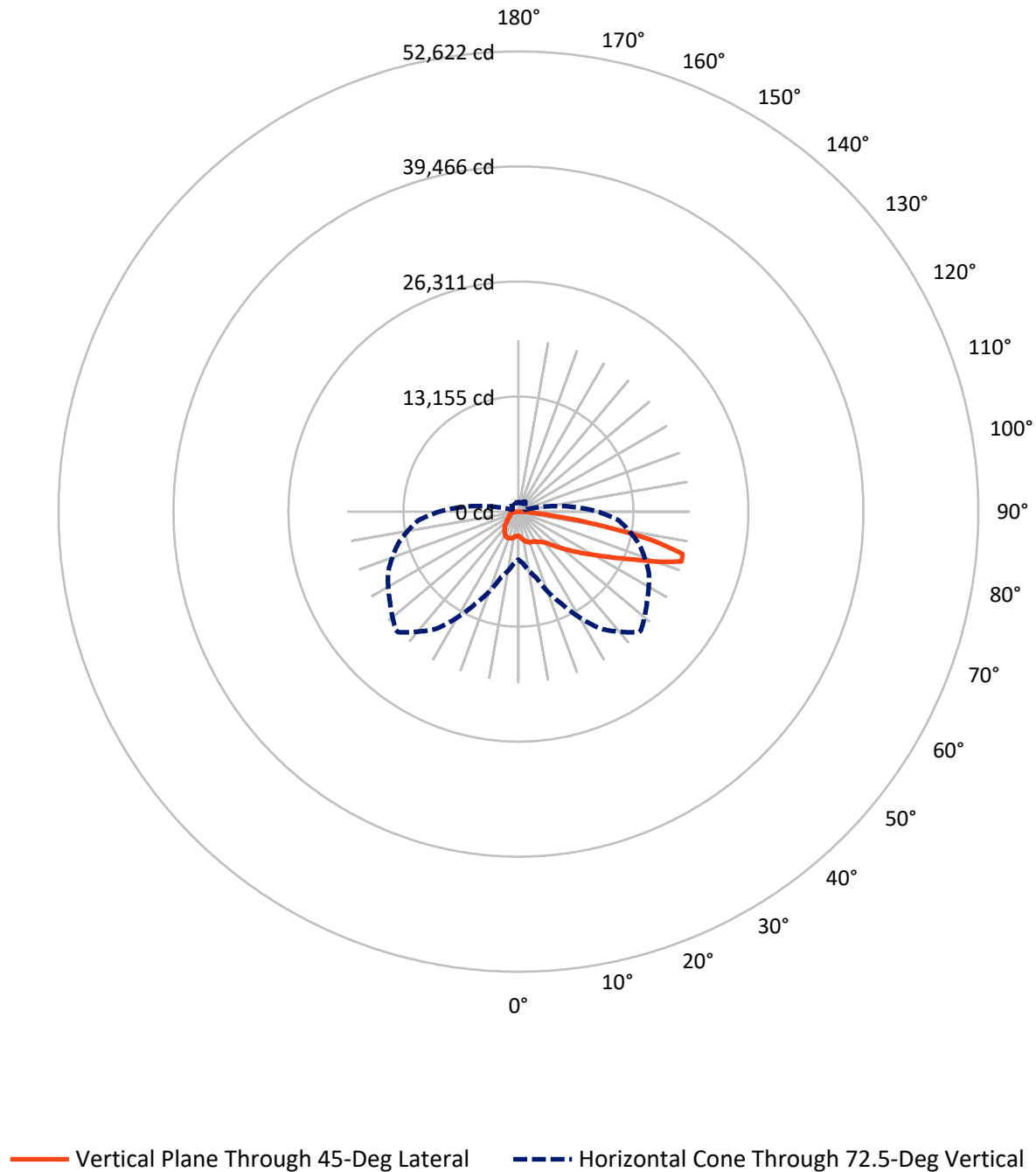
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
Type IV - Short - N/A

REPORT NUMBER: P954111  
CATALOG NUMBER: GLAN-SB7B-950-U-T4W

## Luminous Intensity Polar Plot



REPORT NUMBER: P954111

CATALOG NUMBER: GLAN-SB7B-950-U-T4W

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6285.5   | 0.0    | 6285.5  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 21518.5  | 0.0    | 21518.5 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 27804.0  | 0.0    | 27804.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 285.5   | 1.0       |
| 10°-20°   | 951.8   | 3.4       |
| 20°-30°   | 1655.8  | 6.0       |
| 30°-40°   | 2373.6  | 8.5       |
| 40°-50°   | 3342.2  | 12.0      |
| 50°-60°   | 5119.3  | 18.4      |
| 60°-70°   | 7416.0  | 26.7      |
| 70°-80°   | 5922.2  | 21.3      |
| 80°-90°   | 737.6   | 2.7       |
| 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°    | 27804.0 | 100.0     |
| 0°-180°   | 27804.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P954111

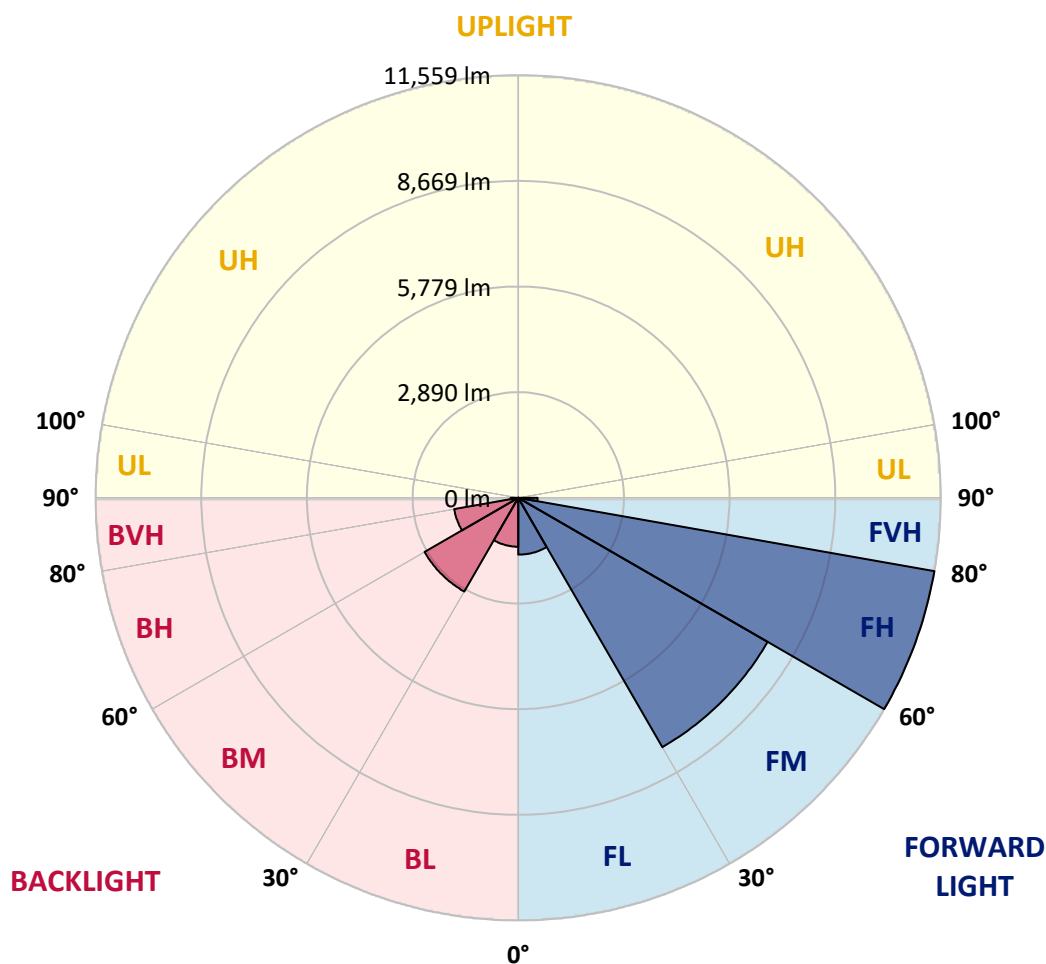
CATALOG NUMBER: GLAN-SB7B-950-U-T4W

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1554.8  | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 7875.5  | 28.3      |                         |      |          |
| FH   | (60°-80°)   | 11558.9 | 41.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 529.2   | 1.9       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1338.2  | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2959.6  | 10.6      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1779.3  | 6.4       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 208.4   | 0.7       |                         |      | 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 IV Short



REPORT NUMBER: P954111

CATALOG NUMBER: GLAN-SB7B-950-U-T4W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  | 2804.9  |
| 2.5°  | 2914.7  | 2933.8  | 2916.2  | 2900.1  | 2892.8  | 2873.7  | 2872.3  | 2860.5  | 2853.2  | 2832.7  |
| 5°    | 3118.3  | 3143.2  | 3113.9  | 3081.7  | 3052.4  | 3005.5  | 2999.7  | 2966.0  | 2927.9  | 2884.0  |
| 7.5°  | 3348.3  | 3370.3  | 3336.6  | 3288.2  | 3237.0  | 3159.3  | 3157.9  | 3096.4  | 3036.3  | 2961.6  |
| 10°   | 3548.9  | 3578.2  | 3532.8  | 3466.9  | 3402.5  | 3314.6  | 3304.3  | 3234.0  | 3157.9  | 3061.2  |
| 12.5° | 3726.2  | 3746.7  | 3702.7  | 3622.2  | 3547.5  | 3459.6  | 3446.4  | 3368.8  | 3283.8  | 3174.0  |
| 15°   | 3866.8  | 3893.1  | 3834.6  | 3748.1  | 3669.0  | 3582.6  | 3570.9  | 3500.6  | 3415.7  | 3299.9  |
| 17.5° | 3959.1  | 3981.0  | 3921.0  | 3824.3  | 3748.1  | 3676.4  | 3667.6  | 3609.0  | 3534.3  | 3417.1  |
| 20°   | 3994.2  | 4017.6  | 3954.7  | 3856.5  | 3786.2  | 3730.6  | 3726.2  | 3683.7  | 3632.4  | 3525.5  |
| 22.5° | 4029.4  | 4051.3  | 3969.3  | 3866.8  | 3805.3  | 3770.1  | 3768.6  | 3740.8  | 3720.3  | 3632.4  |
| 25°   | 4171.4  | 4177.3  | 4067.4  | 3919.5  | 3831.6  | 3800.9  | 3799.4  | 3797.9  | 3806.7  | 3737.9  |
| 27.5° | 4294.5  | 4293.0  | 4199.3  | 4060.1  | 3923.9  | 3859.5  | 3858.0  | 3872.6  | 3900.5  | 3843.3  |
| 30°   | 4474.6  | 4458.5  | 4347.2  | 4202.2  | 4077.7  | 3978.1  | 3969.3  | 3956.1  | 3978.1  | 3932.7  |
| 32.5° | 4856.9  | 4805.6  | 4625.5  | 4367.7  | 4205.1  | 4129.0  | 4117.2  | 4035.2  | 4044.0  | 4016.2  |
| 35°   | 5404.7  | 5337.3  | 5097.1  | 4681.2  | 4363.3  | 4254.9  | 4249.1  | 4145.1  | 4127.5  | 4102.6  |
| 37.5° | 6056.5  | 5973.0  | 5693.3  | 5135.2  | 4635.7  | 4401.4  | 4392.6  | 4298.9  | 4227.1  | 4200.7  |
| 40°   | 6711.2  | 6605.8  | 6374.3  | 5688.9  | 5037.1  | 4646.0  | 4618.2  | 4476.1  | 4394.1  | 4350.1  |
| 42.5° | 7346.9  | 7259.0  | 7061.3  | 6309.9  | 5532.1  | 5003.4  | 4941.9  | 4698.7  | 4637.2  | 4596.2  |
| 45°   | 7909.3  | 7830.2  | 7685.2  | 6973.4  | 6112.2  | 5489.7  | 5429.6  | 5032.7  | 5013.6  | 5013.6  |
| 47.5° | 8366.3  | 8348.7  | 8194.9  | 7650.1  | 6796.2  | 6043.3  | 5939.3  | 5497.0  | 5548.2  | 5627.3  |
| 50°   | 8873.1  | 8824.8  | 8660.7  | 8316.5  | 7600.3  | 6677.5  | 6592.6  | 6066.7  | 6258.6  | 6475.4  |
| 52.5° | 9338.9  | 9365.2  | 9182.1  | 9010.8  | 8508.4  | 7385.0  | 7235.6  | 6739.0  | 7153.5  | 7512.4  |
| 55°   | 9817.8  | 9819.3  | 9768.0  | 9744.6  | 9460.4  | 8167.1  | 8003.1  | 7547.6  | 8206.7  | 8651.9  |
| 57.5° | 10267.5 | 10270.4 | 10346.6 | 10553.1 | 10564.8 | 9069.4  | 8883.3  | 8540.6  | 9376.9  | 9831.0  |
| 60°   | 10668.8 | 10689.3 | 10897.3 | 11380.6 | 11535.9 | 10103.4 | 9927.7  | 9713.8  | 10586.8 | 11043.8 |
| 62.5° | 10803.6 | 10878.3 | 11341.1 | 12028.0 | 12495.3 | 11371.9 | 11199.0 | 11071.6 | 11858.1 | 12282.9 |
| 65°   | 10575.1 | 10746.4 | 11641.4 | 12562.7 | 13482.5 | 12879.0 | 12707.7 | 12568.5 | 13179.3 | 13579.1 |
| 67.5° | 10014.1 | 10235.3 | 11623.8 | 13123.6 | 14680.6 | 14692.3 | 14532.7 | 14206.0 | 14595.6 | 14749.4 |
| 70°   | 8536.2  | 8867.2  | 10600.0 | 13333.1 | 16055.9 | 17172.0 | 17018.2 | 16177.5 | 16009.1 | 15265.0 |
| 72.5° | 5499.9  | 5945.2  | 7805.3  | 11609.1 | 16362.1 | 19505.3 | 19496.5 | 17957.1 | 16455.8 | 14263.2 |
| 75°   | 2006.6  | 2279.1  | 3626.6  | 7286.8  | 13734.4 | 19386.6 | 19443.8 | 17652.5 | 15021.9 | 11017.4 |
| 77.5° | 730.9   | 799.7   | 1183.5  | 2800.5  | 8446.9  | 15555.0 | 15673.7 | 14112.3 | 10692.2 | 5529.2  |
| 80°   | 383.7   | 421.8   | 606.4   | 1086.8  | 3619.3  | 9237.8  | 9423.8  | 8386.8  | 5025.4  | 1665.4  |
| 82.5° | 212.4   | 230.0   | 339.8   | 590.3   | 1630.2  | 3950.3  | 4061.6  | 3313.1  | 1767.9  | 706.0   |
| 85°   | 114.2   | 121.6   | 159.7   | 322.2   | 796.8   | 1369.5  | 1400.2  | 990.1   | 704.5   | 414.5   |
| 87.5° | 33.7    | 41.0    | 52.7    | 102.5   | 312.0   | 307.6   | 314.9   | 196.3   | 278.3   | 209.5   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P954111

CATALOG NUMBER: GLAN-SB7B-950-U-T4W

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2804.9  | 0°    | 2804.9  | 2804.9  | 2804.9 | 2804.9 | 2804.9 | 2804.9 | 2804.9 | 2804.9 | 2804.9 | 2804.9 |
| 2826.9  | 2.5°  | 2818.1  | 2813.7  | 2797.6 | 2790.2 | 2781.4 | 2780.0 | 2787.3 | 2788.8 | 2790.2 | 2791.7 |
| 2859.1  | 5°    | 2844.4  | 2829.8  | 2815.1 | 2806.3 | 2809.3 | 2810.7 | 2825.4 | 2835.6 | 2843.0 | 2848.8 |
| 2919.1  | 7.5°  | 2895.7  | 2884.0  | 2859.1 | 2857.6 | 2862.0 | 2875.2 | 2894.2 | 2917.7 | 2930.8 | 2941.1 |
| 2996.8  | 10°   | 2971.9  | 2949.9  | 2920.6 | 2925.0 | 2933.8 | 2952.8 | 2992.4 | 3011.4 | 3033.4 | 3052.4 |
| 3092.0  | 12.5° | 3049.5  | 3030.4  | 2996.8 | 2999.7 | 3014.3 | 3048.0 | 3086.1 | 3109.5 | 3124.2 | 3138.8 |
| 3194.5  | 15°   | 3150.5  | 3116.9  | 3080.2 | 3080.2 | 3106.6 | 3143.2 | 3160.8 | 3179.8 | 3188.6 | 3204.7 |
| 3304.3  | 17.5° | 3254.5  | 3210.6  | 3162.3 | 3159.3 | 3191.6 | 3209.1 | 3219.4 | 3222.3 | 3225.2 | 3242.8 |
| 3411.3  | 20°   | 3358.5  | 3310.2  | 3241.4 | 3235.5 | 3242.8 | 3239.9 | 3238.4 | 3235.5 | 3239.9 | 3261.9 |
| 3521.1  | 22.5° | 3461.1  | 3405.4  | 3310.2 | 3283.8 | 3263.3 | 3235.5 | 3234.0 | 3232.6 | 3235.5 | 3257.5 |
| 3639.8  | 25°   | 3581.2  | 3513.8  | 3386.4 | 3307.3 | 3238.4 | 3200.3 | 3204.7 | 3206.2 | 3209.1 | 3226.7 |
| 3762.8  | 27.5° | 3711.5  | 3636.8  | 3456.7 | 3299.9 | 3175.4 | 3149.1 | 3141.8 | 3146.2 | 3156.4 | 3184.2 |
| 3885.8  | 30°   | 3841.9  | 3754.0  | 3521.1 | 3270.7 | 3096.4 | 3059.7 | 3036.3 | 3046.6 | 3078.8 | 3106.6 |
| 3992.7  | 32.5° | 3960.5  | 3872.6  | 3572.4 | 3206.2 | 2995.3 | 2938.2 | 2907.4 | 2920.6 | 2952.8 | 2963.1 |
| 4111.4  | 35°   | 4099.7  | 4000.1  | 3594.4 | 3103.7 | 2885.4 | 2797.6 | 2756.5 | 2737.5 | 2753.6 | 2743.4 |
| 4250.5  | 37.5° | 4254.9  | 4150.9  | 3591.4 | 2968.9 | 2756.5 | 2655.5 | 2598.4 | 2526.6 | 2492.9 | 2457.8 |
| 4455.6  | 40°   | 4484.9  | 4335.5  | 3556.3 | 2806.3 | 2596.9 | 2504.6 | 2402.1 | 2280.5 | 2204.4 | 2135.5 |
| 4786.6  | 42.5° | 4798.3  | 4591.8  | 3491.8 | 2627.7 | 2416.7 | 2330.3 | 2191.2 | 2049.1 | 1929.0 | 1814.8 |
| 5289.0  | 45°   | 5265.6  | 4927.2  | 3411.3 | 2437.2 | 2221.9 | 2137.0 | 1986.1 | 1826.5 | 1690.3 | 1543.8 |
| 6002.3  | 47.5° | 5939.3  | 5378.3  | 3335.1 | 2220.5 | 2016.9 | 1939.3 | 1803.0 | 1655.1 | 1494.0 | 1351.9 |
| 7033.4  | 50°   | 6865.0  | 6025.7  | 3264.8 | 2009.6 | 1814.8 | 1756.2 | 1647.8 | 1496.9 | 1334.3 | 1220.1 |
| 8241.8  | 52.5° | 8042.6  | 6906.0  | 3235.5 | 1806.0 | 1625.8 | 1603.8 | 1517.4 | 1376.8 | 1223.0 | 1126.3 |
| 9650.8  | 55°   | 9394.5  | 7959.1  | 3235.5 | 1611.2 | 1460.3 | 1467.6 | 1407.6 | 1277.2 | 1143.9 | 1057.5 |
| 11103.8 | 57.5° | 10774.3 | 9025.4  | 3176.9 | 1431.0 | 1319.7 | 1350.4 | 1312.4 | 1198.1 | 1078.0 | 988.7  |
| 12631.5 | 60°   | 12045.6 | 9918.9  | 2939.6 | 1267.0 | 1195.2 | 1243.5 | 1218.6 | 1120.5 | 974.0  | 899.3  |
| 13908.7 | 62.5° | 13022.6 | 10422.7 | 2482.7 | 1136.6 | 1092.7 | 1148.3 | 1135.1 | 1018.0 | 955.0  | 924.2  |
| 14957.4 | 65°   | 13511.8 | 10340.7 | 1898.2 | 1020.9 | 1006.2 | 1092.7 | 1064.8 | 1060.4 | 1010.6 | 975.5  |
| 15298.7 | 67.5° | 13211.5 | 9634.7  | 1376.8 | 935.9  | 956.4  | 1041.4 | 1148.3 | 1165.9 | 1073.6 | 1004.8 |
| 14337.9 | 70°   | 11894.8 | 8357.5  | 1025.3 | 855.4  | 893.5  | 1042.9 | 1309.4 | 1220.1 | 1053.1 | 972.6  |
| 11499.3 | 72.5° | 9048.9  | 6232.3  | 795.3  | 770.4  | 811.4  | 1050.2 | 1381.2 | 1195.2 | 994.5  | 1075.1 |
| 7163.8  | 75°   | 5174.8  | 3421.5  | 638.6  | 666.4  | 708.9  | 981.3  | 1344.6 | 1130.7 | 949.1  | 987.2  |
| 2838.6  | 77.5° | 1972.9  | 1315.3  | 527.3  | 563.9  | 569.8  | 856.8  | 1286.0 | 1126.3 | 903.7  | 881.7  |
| 851.0   | 80°   | 684.0   | 514.1   | 436.5  | 448.2  | 440.9  | 761.6  | 1233.3 | 979.9  | 739.7  | 662.0  |
| 351.5   | 82.5° | 279.8   | 256.3   | 345.7  | 331.0  | 313.4  | 591.7  | 996.0  | 801.2  | 604.9  | 534.6  |
| 169.9   | 85°   | 121.6   | 162.6   | 228.5  | 200.7  | 181.6  | 410.1  | 798.3  | 678.2  | 511.2  | 440.9  |
| 55.7    | 87.5° | 24.9    | 61.5    | 96.7   | 90.8   | 93.7   | 273.9  | 566.8  | 481.9  | 361.8  | 271.0  |
| 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°   |
|--------|
| 2804.9 |
| 2797.6 |
| 2851.8 |
| 2944.0 |
| 3048.0 |
| 3144.7 |
| 3210.6 |
| 3248.7 |
| 3270.7 |
| 3272.1 |
| 3250.1 |
| 3212.1 |
| 3137.4 |
| 2999.7 |
| 2775.6 |
| 2479.7 |
| 2139.9 |
| 1804.5 |
| 1526.2 |
| 1335.8 |
| 1212.8 |
| 1119.0 |
| 1048.7 |
| 974.0  |
| 887.6  |
| 914.0  |
| 963.8  |
| 993.1  |
| 959.4  |
| 1066.3 |
| 987.2  |
| 804.1  |
| 640.1  |
| 528.8  |
| 439.4  |
| 212.4  |
| 0.0    |