

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: P943102

Luminaire Tested: **GLAN-SB7B-935-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-935-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

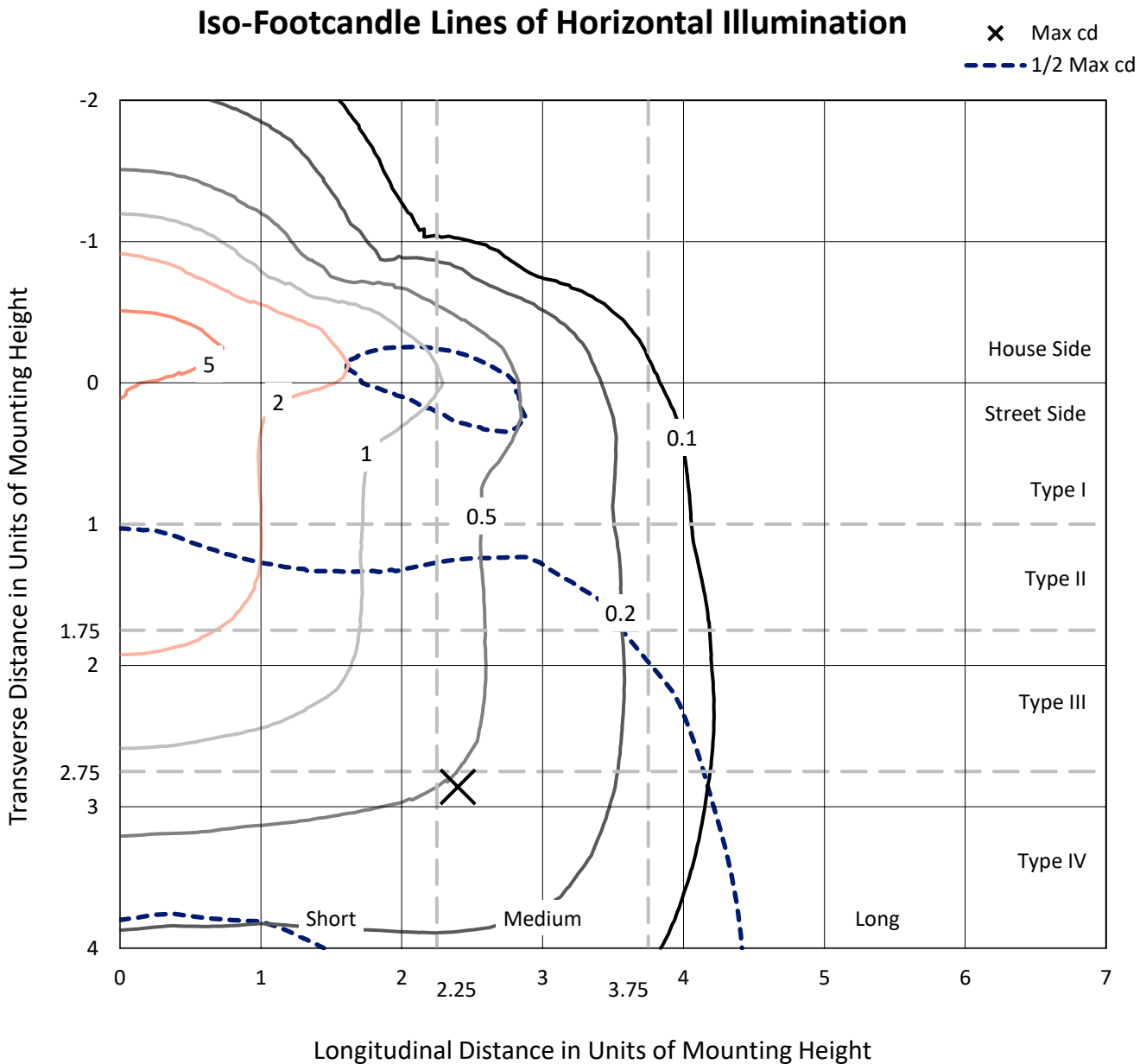
Lumens per Lamp: N/A  
Luminaire Lumens: 27615 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

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: P943102

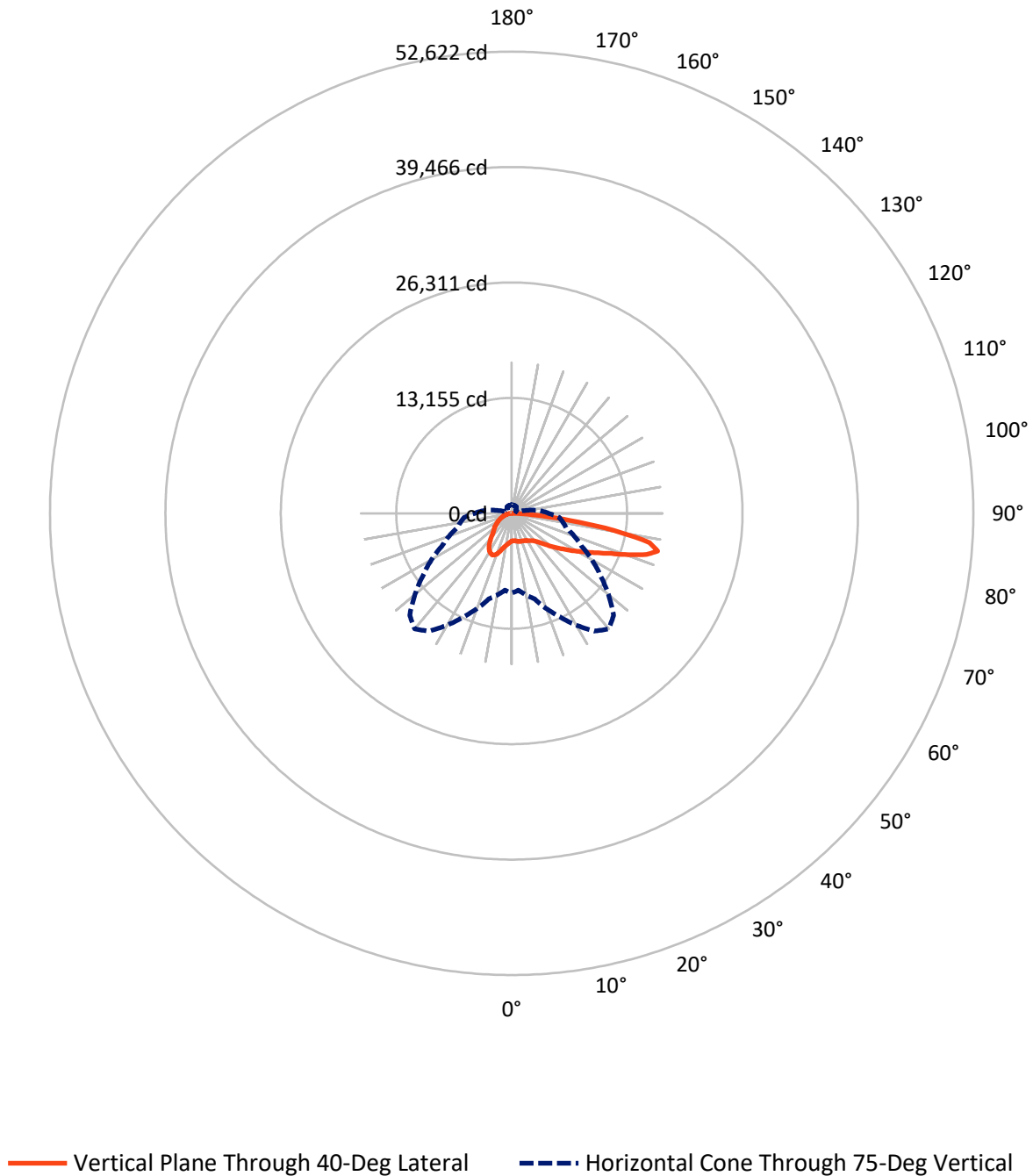
CATALOG NUMBER: GLAN-SB7B-935-U-SL4



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
Type IV - Medium - N/A

REPORT NUMBER: P943102  
CATALOG NUMBER: GLAN-SB7B-935-U-SL4

## Luminous Intensity Polar Plot



REPORT NUMBER: P943102

CATALOG NUMBER: GLAN-SB7B-935-U-SL4

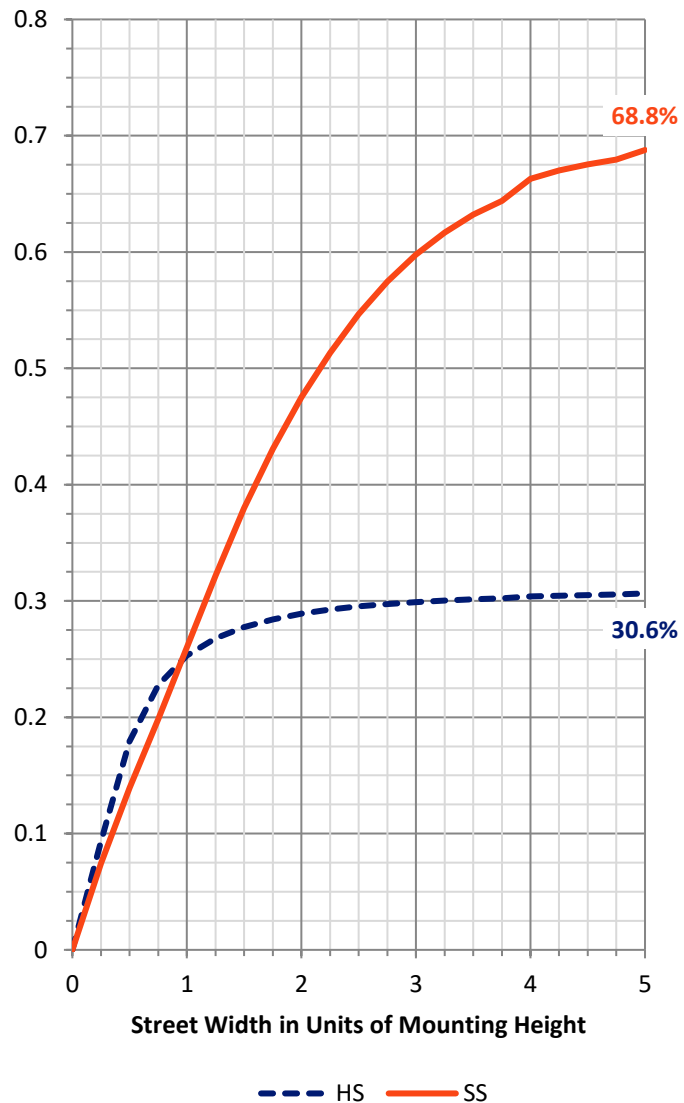
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8556.0   | 0.0    | 8556.0  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 19059.0  | 0.0    | 19059.0 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 27615.0  | 0.0    | 27615.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 315.2   | 1.1       |
| 10°-20°   | 1058.3  | 3.8       |
| 20°-30°   | 1932.4  | 7.0       |
| 30°-40°   | 2740.6  | 9.9       |
| 40°-50°   | 3700.7  | 13.4      |
| 50°-60°   | 4978.4  | 18.0      |
| 60°-70°   | 6318.8  | 22.9      |
| 70°-80°   | 5734.7  | 20.8      |
| 80°-90°   | 835.9   | 3.0       |
| 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°    | 27615.0 | 100.0     |
| 0°-180°   | 27615.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P943102

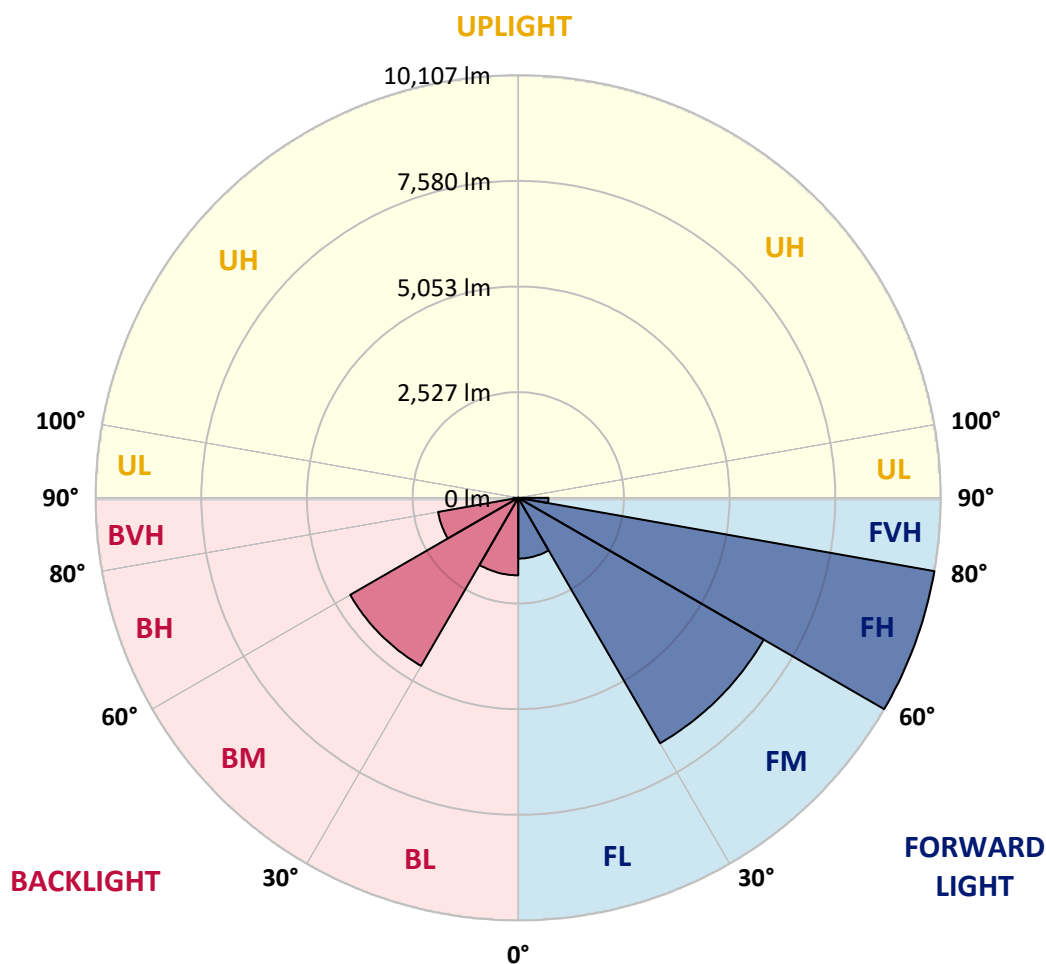
CATALOG NUMBER: GLAN-SB7B-935-U-SL4

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1452.6  | 5.3       |                         |      |          |
| FM   | (30°-60°)   | 6778.9  | 24.5      |                         |      |          |
| FH   | (60°-80°)   | 10106.7 | 36.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 720.8   | 2.6       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1853.3  | 6.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4640.9  | 16.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1946.8  | 7.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 115.1   | 0.4       |                         |      | 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 Medium



REPORT NUMBER: P943102

CATALOG NUMBER: GLAN-SB7B-935-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 3157.8  | 3157.8  | 3157.8  | 3157.8  | 3157.8  | 3157.8  | 3157.8  | 3157.8  | 3157.8 | 3157.8 |
| 2.5°  | 3109.5  | 3127.1  | 3122.7  | 3116.8  | 3116.8  | 3118.3  | 3116.8  | 3127.1  | 3137.3 | 3147.6 |
| 5°    | 3141.7  | 3159.3  | 3150.5  | 3143.2  | 3137.3  | 3135.8  | 3131.4  | 3130.0  | 3135.8 | 3149.0 |
| 7.5°  | 3204.7  | 3222.3  | 3209.1  | 3195.9  | 3184.2  | 3178.3  | 3172.5  | 3163.7  | 3159.3 | 3166.6 |
| 10°   | 3275.0  | 3292.6  | 3276.4  | 3253.0  | 3234.0  | 3226.7  | 3220.8  | 3212.0  | 3206.1 | 3210.5 |
| 12.5° | 3345.3  | 3362.9  | 3340.9  | 3308.7  | 3283.8  | 3279.4  | 3272.1  | 3269.1  | 3267.7 | 3266.2 |
| 15°   | 3411.2  | 3425.8  | 3398.0  | 3359.9  | 3333.6  | 3326.2  | 3318.9  | 3323.3  | 3330.6 | 3339.4 |
| 17.5° | 3462.5  | 3477.1  | 3436.1  | 3386.3  | 3361.4  | 3358.5  | 3354.1  | 3368.7  | 3389.2 | 3411.2 |
| 20°   | 3509.3  | 3524.0  | 3471.2  | 3403.9  | 3374.6  | 3374.6  | 3376.0  | 3406.8  | 3436.1 | 3468.3 |
| 22.5° | 3575.2  | 3587.0  | 3522.5  | 3430.2  | 3387.8  | 3390.7  | 3402.4  | 3433.2  | 3469.8 | 3513.7 |
| 25°   | 3673.4  | 3682.2  | 3603.1  | 3480.0  | 3431.7  | 3440.5  | 3450.7  | 3465.4  | 3500.5 | 3551.8 |
| 27.5° | 3831.6  | 3838.9  | 3734.9  | 3567.9  | 3494.7  | 3509.3  | 3524.0  | 3513.7  | 3529.8 | 3573.8 |
| 30°   | 4054.2  | 4058.6  | 3926.8  | 3705.6  | 3601.6  | 3608.9  | 3611.9  | 3569.4  | 3538.6 | 3573.8 |
| 32.5° | 4317.8  | 4316.4  | 4159.6  | 3872.6  | 3723.2  | 3715.8  | 3690.9  | 3607.5  | 3535.7 | 3566.5 |
| 35°   | 4726.5  | 4710.4  | 4508.2  | 4106.9  | 3860.8  | 3815.4  | 3756.9  | 3649.9  | 3550.3 | 3559.1 |
| 37.5° | 5403.1  | 5353.3  | 5073.6  | 4490.7  | 4065.9  | 3950.2  | 3863.8  | 3718.8  | 3582.6 | 3556.2 |
| 40°   | 6166.2  | 6103.2  | 5795.7  | 5016.5  | 4373.5  | 4187.5  | 4048.3  | 3816.9  | 3635.3 | 3569.4 |
| 42.5° | 7071.4  | 6982.0  | 6651.0  | 5636.0  | 4763.1  | 4493.6  | 4284.1  | 3941.4  | 3712.9 | 3611.9 |
| 45°   | 8183.1  | 8064.4  | 7595.7  | 6334.7  | 5253.7  | 4894.9  | 4615.2  | 4130.3  | 3831.6 | 3693.9 |
| 47.5° | 9306.5  | 9335.8  | 8669.3  | 7134.4  | 5842.5  | 5390.0  | 5029.7  | 4414.5  | 4004.4 | 3825.7 |
| 50°   | 10500.2 | 10520.7 | 9737.1  | 8020.5  | 6510.4  | 5949.5  | 5495.4  | 4732.3  | 4244.6 | 4013.2 |
| 52.5° | 11431.7 | 11434.6 | 10706.7 | 8947.6  | 7206.1  | 6564.6  | 5997.8  | 5095.6  | 4522.9 | 4262.2 |
| 55°   | 12014.6 | 12007.3 | 11386.3 | 9825.0  | 8005.8  | 7210.5  | 6554.4  | 5508.6  | 4862.7 | 4555.1 |
| 57.5° | 12437.9 | 12415.9 | 11855.0 | 10579.3 | 8858.3  | 7973.6  | 7184.2  | 5977.3  | 5264.0 | 4903.7 |
| 60°   | 12599.0 | 12585.8 | 12172.8 | 11231.0 | 9754.7  | 8817.3  | 7910.6  | 6501.6  | 5719.5 | 5315.3 |
| 62.5° | 12660.5 | 12685.4 | 12484.8 | 11862.3 | 10714.0 | 9751.7  | 8708.9  | 7128.5  | 6232.1 | 5781.0 |
| 65°   | 12877.3 | 12922.7 | 12881.7 | 12688.4 | 11797.9 | 10845.8 | 9767.8  | 7874.0  | 6791.6 | 6280.5 |
| 67.5° | 13306.5 | 13351.9 | 13369.4 | 13677.0 | 13121.9 | 12209.4 | 11089.0 | 8802.6  | 7446.3 | 6799.0 |
| 70°   | 13296.2 | 13283.0 | 13593.5 | 14463.5 | 14779.9 | 14097.4 | 12870.0 | 9945.1  | 8227.0 | 7229.6 |
| 72.5° | 12102.5 | 11997.0 | 12730.8 | 14454.8 | 16159.6 | 16068.8 | 15045.0 | 11418.5 | 8900.8 | 7282.3 |
| 75°   | 9079.4  | 8798.2  | 10094.5 | 13026.7 | 16389.6 | 17187.8 | 16427.7 | 12332.5 | 8741.1 | 6434.3 |
| 77.5° | 3882.8  | 3600.1  | 5127.8  | 9643.3  | 14668.6 | 16067.3 | 15159.3 | 10759.4 | 6977.7 | 4254.8 |
| 80°   | 1016.5  | 1015.0  | 1549.6  | 4372.0  | 9975.8  | 11865.2 | 10409.4 | 6948.4  | 3986.8 | 1520.3 |
| 82.5° | 420.4   | 410.1   | 569.8   | 1700.5  | 4874.4  | 6658.4  | 5433.9  | 3099.2  | 1439.8 | 411.6  |
| 85°   | 156.7   | 155.3   | 276.8   | 587.3   | 1719.5  | 2746.2  | 1987.5  | 792.4   | 358.8  | 200.7  |
| 87.5° | 43.9    | 42.5    | 60.1    | 203.6   | 418.9   | 635.7   | 339.8   | 130.4   | 101.1  | 79.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |

REPORT NUMBER: P943102

CATALOG NUMBER: GLAN-SB7B-935-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3157.8 | 0°    | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 | 3157.8 |
| 3163.7 | 2.5°  | 3168.1 | 3175.4 | 3188.6 | 3198.8 | 3212.0 | 3226.7 | 3247.2 | 3260.3 | 3273.5 | 3282.3 |
| 3171.0 | 5°    | 3181.2 | 3197.4 | 3231.0 | 3264.7 | 3304.3 | 3340.9 | 3383.4 | 3414.1 | 3439.0 | 3446.4 |
| 3197.4 | 7.5°  | 3210.5 | 3236.9 | 3294.0 | 3351.1 | 3414.1 | 3474.2 | 3535.7 | 3588.4 | 3630.9 | 3647.0 |
| 3244.2 | 10°   | 3261.8 | 3297.0 | 3377.5 | 3458.1 | 3541.6 | 3633.8 | 3712.9 | 3789.1 | 3849.1 | 3874.0 |
| 3299.9 | 12.5° | 3326.2 | 3370.2 | 3475.6 | 3587.0 | 3702.7 | 3830.1 | 3932.6 | 4026.4 | 4101.1 | 4134.7 |
| 3377.5 | 15°   | 3409.7 | 3466.9 | 3601.6 | 3751.0 | 3920.9 | 4098.1 | 4228.5 | 4332.5 | 4416.0 | 4457.0 |
| 3458.1 | 17.5° | 3500.5 | 3576.7 | 3746.6 | 3972.2 | 4215.3 | 4448.2 | 4600.5 | 4676.7 | 4763.1 | 4802.6 |
| 3532.8 | 20°   | 3588.4 | 3682.2 | 3925.3 | 4253.4 | 4577.1 | 4824.6 | 4947.6 | 4968.1 | 4974.0 | 4978.4 |
| 3603.1 | 22.5° | 3679.2 | 3805.2 | 4149.4 | 4607.8 | 4955.0 | 5126.3 | 5143.9 | 5056.0 | 4933.0 | 4875.9 |
| 3671.9 | 25°   | 3778.8 | 3945.8 | 4442.3 | 4998.9 | 5280.1 | 5300.6 | 5165.9 | 4952.0 | 4719.1 | 4612.2 |
| 3727.6 | 27.5° | 3875.5 | 4108.4 | 4793.8 | 5372.4 | 5514.5 | 5334.3 | 5044.3 | 4741.1 | 4459.9 | 4347.1 |
| 3767.1 | 30°   | 3972.2 | 4294.4 | 5182.0 | 5699.0 | 5621.4 | 5250.8 | 4852.4 | 4514.1 | 4231.4 | 4112.8 |
| 3802.3 | 32.5° | 4070.3 | 4511.2 | 5628.7 | 5934.8 | 5602.3 | 5073.6 | 4613.7 | 4259.2 | 4010.2 | 3885.7 |
| 3833.0 | 35°   | 4181.6 | 4777.7 | 6052.0 | 6063.7 | 5474.9 | 4812.9 | 4298.8 | 3954.6 | 3737.8 | 3638.2 |
| 3869.6 | 37.5° | 4326.6 | 5116.1 | 6425.5 | 6095.9 | 5252.3 | 4430.6 | 3907.7 | 3594.3 | 3415.6 | 3370.2 |
| 3923.8 | 40°   | 4506.8 | 5523.2 | 6711.1 | 6044.7 | 4922.7 | 3966.3 | 3480.0 | 3229.6 | 3128.5 | 3138.8 |
| 3997.1 | 42.5° | 4741.1 | 5978.8 | 6911.7 | 5912.8 | 4464.3 | 3487.4 | 3105.1 | 2993.8 | 3042.1 | 3083.1 |
| 4106.9 | 45°   | 5045.8 | 6451.8 | 7036.2 | 5688.7 | 3945.8 | 3081.6 | 2883.9 | 2910.3 | 2946.9 | 2951.3 |
| 4284.1 | 47.5° | 5435.4 | 6930.8 | 7118.3 | 5350.4 | 3417.1 | 2796.0 | 2743.3 | 2749.2 | 2741.8 | 2711.1 |
| 4549.2 | 50°   | 5921.6 | 7396.5 | 7191.5 | 4902.2 | 2967.4 | 2617.4 | 2547.0 | 2526.5 | 2425.5 | 2325.9 |
| 4902.2 | 52.5° | 6475.3 | 7824.2 | 7222.3 | 4345.7 | 2617.4 | 2468.0 | 2353.7 | 2224.8 | 2035.9 | 2005.1 |
| 5346.0 | 55°   | 7090.4 | 8219.7 | 7143.2 | 3661.7 | 2323.0 | 2276.1 | 2103.3 | 1948.0 | 1927.5 | 1901.1 |
| 5930.4 | 57.5° | 7825.7 | 8645.9 | 6982.0 | 2898.6 | 2021.2 | 2052.0 | 1883.6 | 1901.1 | 1864.5 | 1823.5 |
| 6681.8 | 60°   | 8629.8 | 9086.8 | 6699.4 | 2202.9 | 1709.3 | 1772.2 | 1826.4 | 1825.0 | 1814.7 | 1781.0 |
| 7474.2 | 62.5° | 9353.3 | 9376.8 | 6142.8 | 1687.3 | 1435.4 | 1555.5 | 1703.4 | 1701.9 | 1693.1 | 1674.1 |
| 8301.7 | 65°   | 9783.9 | 9332.8 | 5214.2 | 1328.4 | 1209.8 | 1376.8 | 1536.4 | 1548.1 | 1549.6 | 1548.1 |
| 8924.2 | 67.5° | 9707.8 | 8818.7 | 3939.9 | 1057.5 | 1023.8 | 1195.2 | 1370.9 | 1387.0 | 1398.8 | 1401.7 |
| 9003.3 | 70°   | 8846.6 | 7689.5 | 2569.0 | 843.6  | 858.3  | 1035.5 | 1214.2 | 1230.3 | 1240.6 | 1252.3 |
| 7812.5 | 72.5° | 6895.6 | 5653.6 | 1470.5 | 682.5  | 713.3  | 897.8  | 1059.0 | 1078.0 | 1083.9 | 1105.8 |
| 5436.8 | 75°   | 4202.1 | 3324.8 | 793.8  | 537.5  | 585.9  | 767.5  | 905.2  | 927.1  | 937.4  | 963.7  |
| 2670.1 | 77.5° | 1997.8 | 1439.8 | 452.6  | 418.9  | 471.6  | 626.9  | 764.6  | 789.5  | 761.6  | 776.3  |
| 736.7  | 80°   | 675.2  | 534.6  | 285.6  | 319.3  | 360.3  | 489.2  | 612.2  | 637.1  | 578.5  | 575.6  |
| 244.6  | 82.5° | 235.8  | 216.8  | 181.6  | 212.4  | 232.9  | 350.1  | 462.8  | 495.1  | 430.6  | 429.1  |
| 109.8  | 85°   | 92.3   | 87.9   | 101.1  | 115.7  | 139.1  | 215.3  | 304.6  | 320.8  | 265.1  | 213.8  |
| 32.2   | 87.5° | 19.0   | 20.5   | 24.9   | 26.4   | 42.5   | 74.7   | 109.8  | 134.7  | 106.9  | 90.8   |
| 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°   |
|--------|
| 3157.8 |
| 3276.4 |
| 3449.3 |
| 3648.5 |
| 3875.5 |
| 4134.7 |
| 4454.0 |
| 4801.2 |
| 4990.1 |
| 4892.0 |
| 4628.3 |
| 4360.3 |
| 4126.0 |
| 3901.9 |
| 3660.2 |
| 3402.4 |
| 3173.9 |
| 3121.2 |
| 2980.6 |
| 2734.5 |
| 2339.1 |
| 2015.4 |
| 1905.5 |
| 1816.2 |
| 1769.3 |
| 1666.8 |
| 1548.1 |
| 1404.6 |
| 1258.1 |
| 1114.6 |
| 966.7  |
| 764.6  |
| 569.8  |
| 408.6  |
| 210.9  |
| 83.5   |
| 0.0    |