

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: P949227

Luminaire Tested: **GLAN-SB4A-750-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-750-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18589 lumens  
Efficiency: N/A  
Efficacy: 163.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G4

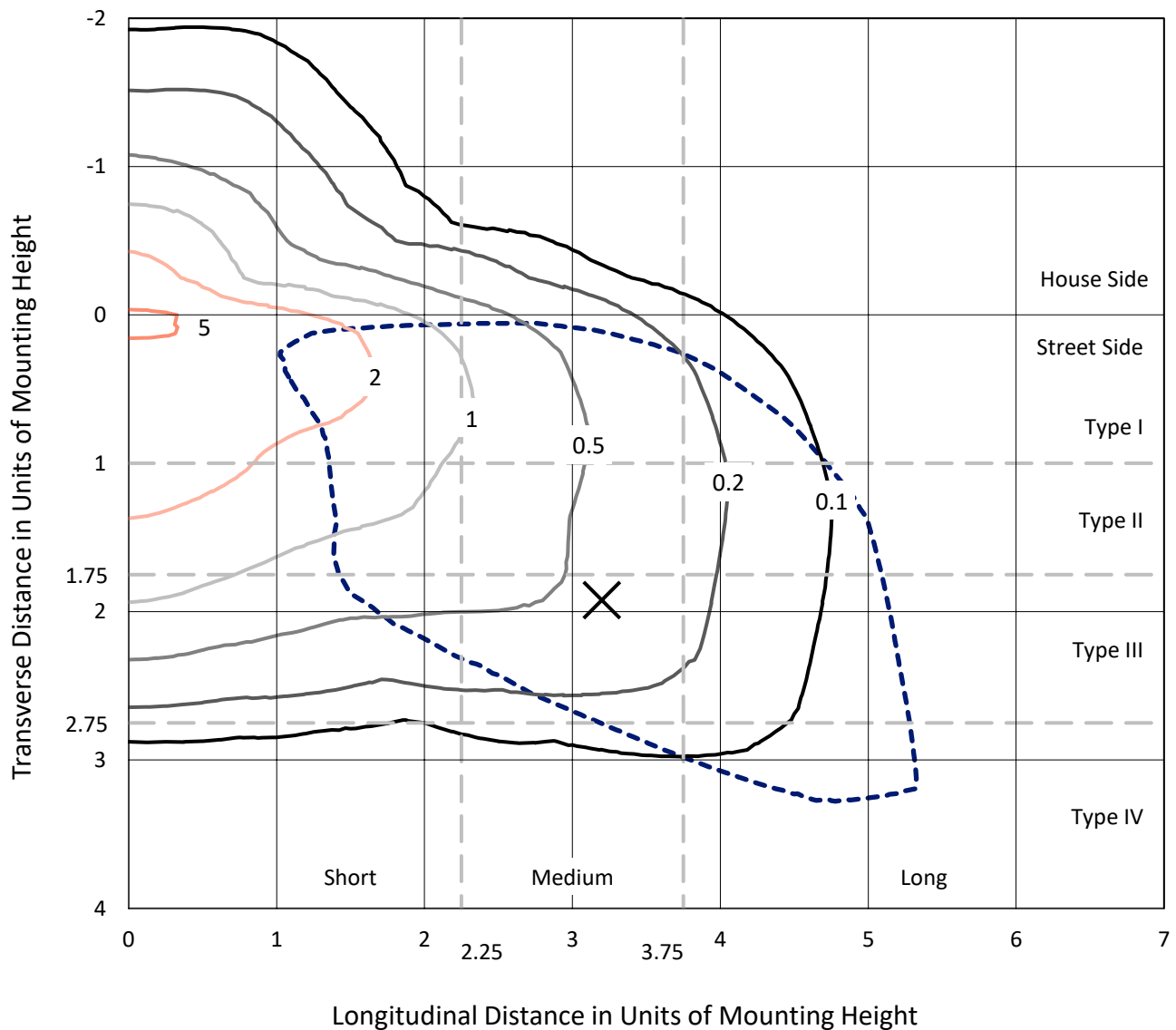
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P949227  
CATALOG NUMBER: GLAN-SB4A-750-U-SL3

## Iso-Footcandle Lines of Horizontal Illumination

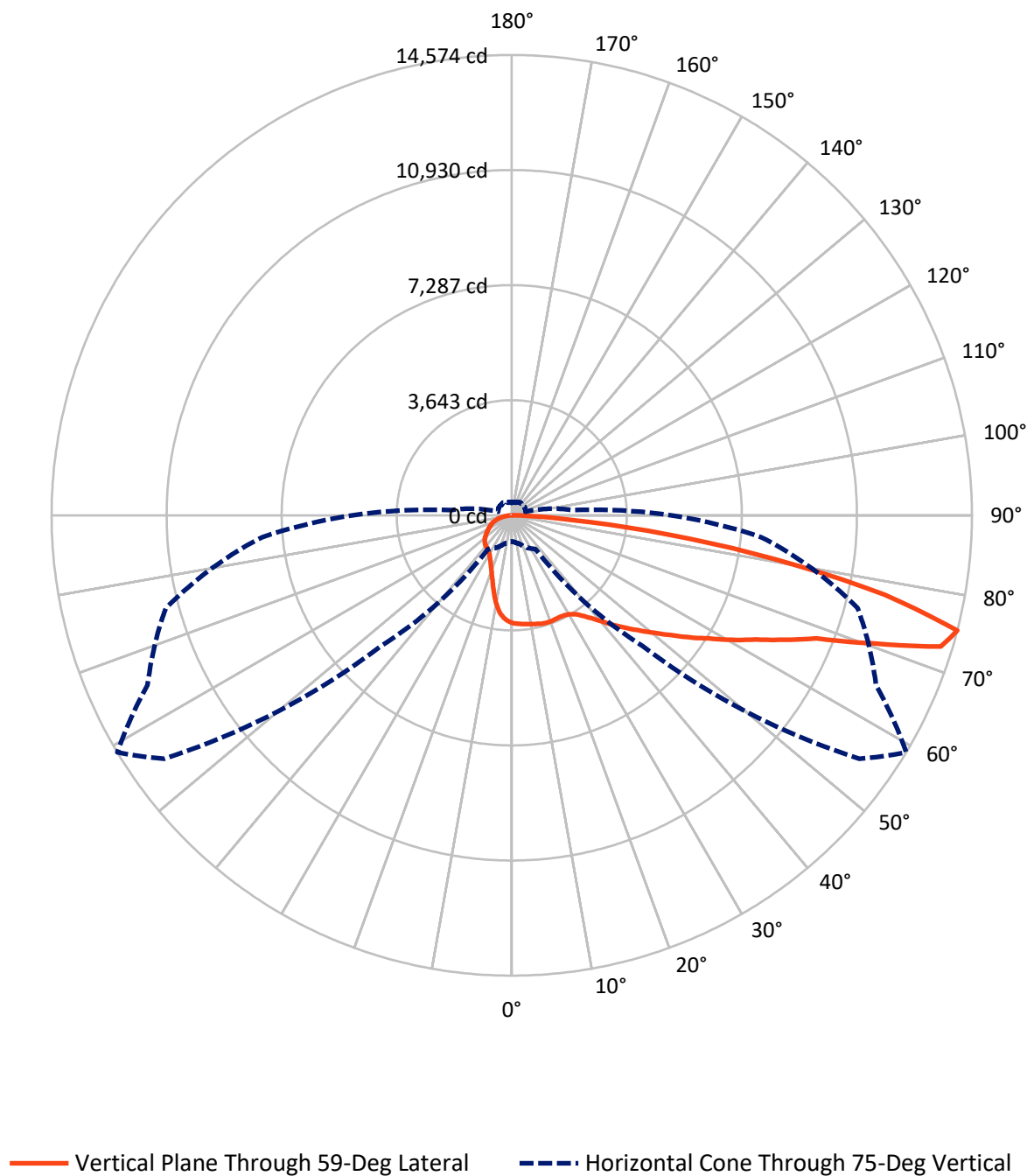
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
Type IV - Medium - N/A

REPORT NUMBER: P949227  
CATALOG NUMBER: GLAN-SB4A-750-U-SL3

## Luminous Intensity Polar Plot



REPORT NUMBER: P949227

CATALOG NUMBER: GLAN-SB4A-750-U-SL3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3486.5   | 0.0    | 3486.5  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 15102.5  | 0.0    | 15102.5 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 18589.0  | 0.0    | 18589.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 305.9   | 1.6       |
| 10°-20°   | 782.0   | 4.2       |
| 20°-30°   | 1187.8  | 6.4       |
| 30°-40°   | 1765.6  | 9.5       |
| 40°-50°   | 2625.8  | 14.1      |
| 50°-60°   | 3564.2  | 19.2      |
| 60°-70°   | 4351.3  | 23.4      |
| 70°-80°   | 3414.8  | 18.4      |
| 80°-90°   | 591.5   | 3.2       |
| 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°    | 18589.0 | 100.0     |
| 0°-180°   | 18589.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P949227

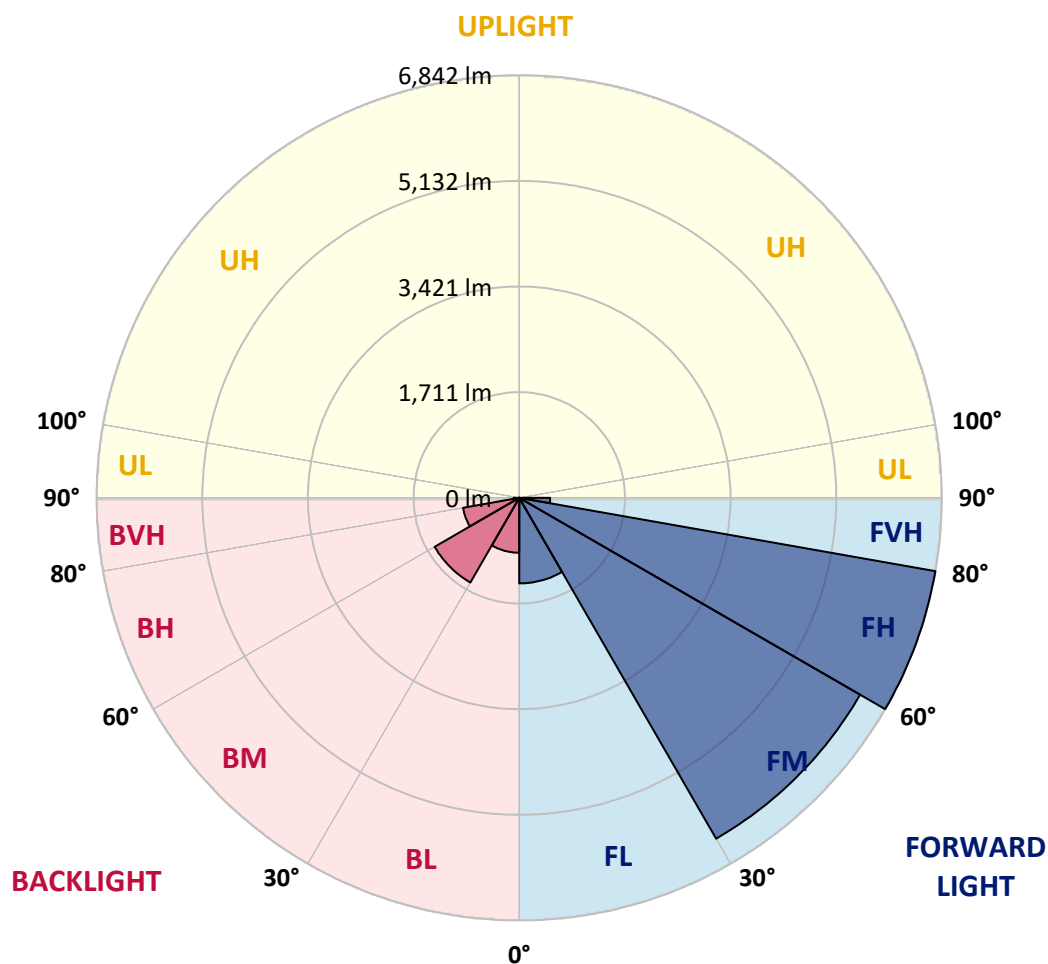
CATALOG NUMBER: GLAN-SB4A-750-U-SL3

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1386.0 | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 6373.1 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 6842.4 | 36.8      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 501.0  | 2.7       |                         |      | G4/750  |
| BL   | (0°-30°)    | 889.7  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1582.5 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 923.7  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 90.6   | 0.5       |                         |      | G1/100  |
| 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 Medium



REPORT NUMBER: P949227

CATALOG NUMBER: GLAN-SB4A-750-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 59°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0  | 3412.0  | 3412.0  | 3412.0  |
| 2.5°  | 3441.0 | 3429.0 | 3441.0 | 3436.0 | 3434.0 | 3430.0 | 3431.0  | 3438.0  | 3434.0  | 3439.0  |
| 5°    | 3418.0 | 3411.0 | 3423.0 | 3420.0 | 3433.0 | 3435.0 | 3448.0  | 3456.0  | 3461.0  | 3462.0  |
| 7.5°  | 3380.0 | 3373.0 | 3390.0 | 3404.0 | 3432.0 | 3440.0 | 3467.0  | 3480.0  | 3487.0  | 3499.0  |
| 10°   | 3241.0 | 3238.0 | 3280.0 | 3333.0 | 3399.0 | 3440.0 | 3481.0  | 3503.0  | 3514.0  | 3546.0  |
| 12.5° | 2995.0 | 2999.0 | 3054.0 | 3156.0 | 3288.0 | 3420.0 | 3497.0  | 3529.0  | 3546.0  | 3586.0  |
| 15°   | 2760.0 | 2759.0 | 2819.0 | 2928.0 | 3113.0 | 3332.0 | 3505.0  | 3560.0  | 3589.0  | 3648.0  |
| 17.5° | 2624.0 | 2620.0 | 2662.0 | 2745.0 | 2917.0 | 3197.0 | 3485.0  | 3577.0  | 3639.0  | 3713.0  |
| 20°   | 2599.0 | 2591.0 | 2613.0 | 2654.0 | 2776.0 | 3049.0 | 3433.0  | 3577.0  | 3679.0  | 3775.0  |
| 22.5° | 2690.0 | 2677.0 | 2668.0 | 2663.0 | 2717.0 | 2927.0 | 3374.0  | 3565.0  | 3738.0  | 3864.0  |
| 25°   | 2873.0 | 2853.0 | 2807.0 | 2762.0 | 2746.0 | 2872.0 | 3322.0  | 3562.0  | 3826.0  | 3984.0  |
| 27.5° | 3169.0 | 3144.0 | 3051.0 | 2943.0 | 2846.0 | 2900.0 | 3299.0  | 3580.0  | 3923.0  | 4111.0  |
| 30°   | 3536.0 | 3509.0 | 3392.0 | 3226.0 | 3052.0 | 3004.0 | 3328.0  | 3633.0  | 4047.0  | 4280.0  |
| 32.5° | 3865.0 | 3835.0 | 3735.0 | 3566.0 | 3331.0 | 3184.0 | 3420.0  | 3734.0  | 4242.0  | 4515.0  |
| 35°   | 4157.0 | 4122.0 | 4032.0 | 3876.0 | 3673.0 | 3437.0 | 3586.0  | 3913.0  | 4519.0  | 4897.0  |
| 37.5° | 4443.0 | 4402.0 | 4304.0 | 4139.0 | 3997.0 | 3774.0 | 3815.0  | 4143.0  | 4887.0  | 5361.0  |
| 40°   | 4763.0 | 4704.0 | 4585.0 | 4422.0 | 4284.0 | 4169.0 | 4116.0  | 4425.0  | 5261.0  | 5878.9  |
| 42.5° | 5073.0 | 5017.0 | 4875.0 | 4736.0 | 4563.0 | 4530.0 | 4465.0  | 4755.0  | 5669.9  | 6447.9  |
| 45°   | 5407.0 | 5340.0 | 5168.0 | 4992.0 | 4883.0 | 4770.0 | 4803.0  | 5085.0  | 6070.9  | 7027.9  |
| 47.5° | 5719.9 | 5644.9 | 5442.0 | 5246.0 | 5186.0 | 4972.0 | 5113.0  | 5448.0  | 6487.9  | 7615.9  |
| 50°   | 5888.9 | 5814.9 | 5645.9 | 5469.0 | 5422.0 | 5221.0 | 5449.0  | 5846.9  | 6924.9  | 8201.9  |
| 52.5° | 6029.9 | 5949.9 | 5728.9 | 5630.9 | 5616.9 | 5492.0 | 5862.9  | 6302.9  | 7361.9  | 8719.9  |
| 55°   | 6179.9 | 6090.9 | 5808.9 | 5720.9 | 5784.9 | 5795.9 | 6353.9  | 6819.9  | 7823.9  | 9224.9  |
| 57.5° | 6352.9 | 6239.9 | 5885.9 | 5796.9 | 5948.9 | 6151.9 | 6917.9  | 7355.9  | 8277.9  | 9692.9  |
| 60°   | 6515.9 | 6401.9 | 6033.9 | 5917.9 | 6125.9 | 6564.9 | 7564.9  | 8004.9  | 8791.9  | 10109.9 |
| 62.5° | 6547.9 | 6453.9 | 6151.9 | 6150.9 | 6365.9 | 7046.9 | 8330.9  | 8659.9  | 9240.9  | 10521.9 |
| 65°   | 5993.9 | 5934.9 | 5755.9 | 6141.9 | 6709.9 | 7740.9 | 9183.9  | 9497.9  | 9811.9  | 10881.9 |
| 67.5° | 4562.0 | 4570.0 | 4557.0 | 5302.0 | 6431.9 | 8737.9 | 10418.9 | 10394.9 | 10516.9 | 11285.9 |
| 70°   | 2086.0 | 2133.0 | 2439.0 | 3660.0 | 5153.0 | 8852.9 | 12460.9 | 12149.9 | 11401.9 | 11808.9 |
| 72.5° | 1127.0 | 1163.0 | 1288.0 | 1773.0 | 3098.0 | 7870.9 | 13986.9 | 14207.9 | 12578.9 | 12160.9 |
| 75°   | 827.0  | 847.0  | 934.0  | 1127.0 | 1301.0 | 5849.9 | 13439.9 | 14573.9 | 12725.9 | 11339.9 |
| 77.5° | 619.0  | 628.0  | 699.0  | 893.0  | 666.0  | 3084.0 | 10738.9 | 12069.9 | 10893.9 | 9316.9  |
| 80°   | 449.0  | 459.0  | 512.0  | 670.0  | 467.0  | 1128.0 | 7373.9  | 8471.9  | 7460.9  | 5938.9  |
| 82.5° | 310.0  | 314.0  | 337.0  | 456.0  | 326.0  | 438.0  | 4184.0  | 4968.0  | 4165.0  | 2084.0  |
| 85°   | 187.0  | 192.0  | 202.0  | 266.0  | 185.0  | 208.0  | 1806.0  | 1868.0  | 1245.0  | 498.0   |
| 87.5° | 77.0   | 82.0   | 90.0   | 112.0  | 73.0   | 58.0   | 298.0   | 374.0   | 233.0   | 146.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P949227

CATALOG NUMBER: GLAN-SB4A-750-U-SL3

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3412.0 | 0°    | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 | 3412.0 |
| 3422.0 | 2.5°  | 3417.0 | 3410.0 | 3391.0 | 3365.0 | 3341.0 | 3311.0 | 3298.0 | 3287.0 | 3277.0 | 3258.0 |
| 3449.0 | 5°    | 3438.0 | 3419.0 | 3368.0 | 3302.0 | 3227.0 | 3145.0 | 3065.0 | 3010.0 | 2963.0 | 2928.0 |
| 3480.0 | 7.5°  | 3470.0 | 3434.0 | 3341.0 | 3206.0 | 3034.0 | 2858.0 | 2699.0 | 2586.0 | 2501.0 | 2470.0 |
| 3524.0 | 10°   | 3503.0 | 3460.0 | 3298.0 | 3060.0 | 2763.0 | 2492.0 | 2281.0 | 2165.0 | 2097.0 | 2075.0 |
| 3576.0 | 12.5° | 3542.0 | 3479.0 | 3231.0 | 2857.0 | 2460.0 | 2163.0 | 1979.0 | 1911.0 | 1876.0 | 1864.0 |
| 3640.0 | 15°   | 3599.0 | 3495.0 | 3130.0 | 2603.0 | 2171.0 | 1923.0 | 1804.0 | 1757.0 | 1739.0 | 1738.0 |
| 3706.0 | 17.5° | 3642.0 | 3498.0 | 2973.0 | 2331.0 | 1949.0 | 1778.0 | 1680.0 | 1662.0 | 1674.0 | 1692.0 |
| 3771.0 | 20°   | 3690.0 | 3471.0 | 2767.0 | 2083.0 | 1793.0 | 1651.0 | 1610.0 | 1622.0 | 1651.0 | 1677.0 |
| 3857.0 | 22.5° | 3724.0 | 3422.0 | 2518.0 | 1890.0 | 1658.0 | 1578.0 | 1576.0 | 1601.0 | 1617.0 | 1630.0 |
| 3958.0 | 25°   | 3754.0 | 3339.0 | 2254.0 | 1728.0 | 1547.0 | 1534.0 | 1556.0 | 1548.0 | 1537.0 | 1548.0 |
| 4059.0 | 27.5° | 3776.0 | 3208.0 | 2018.0 | 1586.0 | 1469.0 | 1504.0 | 1491.0 | 1473.0 | 1472.0 | 1478.0 |
| 4178.0 | 30°   | 3769.0 | 3033.0 | 1824.0 | 1451.0 | 1414.0 | 1448.0 | 1417.0 | 1414.0 | 1411.0 | 1414.0 |
| 4357.0 | 32.5° | 3769.0 | 2834.0 | 1675.0 | 1358.0 | 1379.0 | 1366.0 | 1363.0 | 1356.0 | 1344.0 | 1343.0 |
| 4600.0 | 35°   | 3790.0 | 2635.0 | 1547.0 | 1308.0 | 1350.0 | 1319.0 | 1321.0 | 1304.0 | 1279.0 | 1267.0 |
| 4922.0 | 37.5° | 3833.0 | 2475.0 | 1420.0 | 1284.0 | 1299.0 | 1298.0 | 1290.0 | 1261.0 | 1217.0 | 1179.0 |
| 5324.0 | 40°   | 3937.0 | 2428.0 | 1333.0 | 1273.0 | 1275.0 | 1287.0 | 1266.0 | 1210.0 | 1110.0 | 1048.0 |
| 5731.9 | 42.5° | 4100.0 | 2507.0 | 1314.0 | 1246.0 | 1259.0 | 1271.0 | 1230.0 | 1100.0 | 1029.0 | 992.0  |
| 6159.9 | 45°   | 4307.0 | 2645.0 | 1355.0 | 1207.0 | 1221.0 | 1242.0 | 1120.0 | 1058.0 | 1026.0 | 1027.0 |
| 6583.9 | 47.5° | 4569.0 | 2790.0 | 1431.0 | 1173.0 | 1166.0 | 1178.0 | 1047.0 | 1009.0 | 965.0  | 976.0  |
| 6990.9 | 50°   | 4872.0 | 2937.0 | 1503.0 | 1127.0 | 1105.0 | 1066.0 | 1000.0 | 964.0  | 908.0  | 882.0  |
| 7383.9 | 52.5° | 5200.0 | 3079.0 | 1532.0 | 1071.0 | 1039.0 | 994.0  | 968.0  | 924.0  | 856.0  | 813.0  |
| 7754.9 | 55°   | 5511.0 | 3208.0 | 1500.0 | 1004.0 | 973.0  | 938.0  | 934.0  | 907.0  | 834.0  | 774.0  |
| 8084.9 | 57.5° | 5804.9 | 3316.0 | 1420.0 | 936.0  | 906.0  | 885.0  | 912.0  | 899.0  | 807.0  | 730.0  |
| 8396.9 | 60°   | 6053.9 | 3390.0 | 1304.0 | 867.0  | 846.0  | 835.0  | 876.0  | 872.0  | 769.0  | 683.0  |
| 8676.9 | 62.5° | 6251.9 | 3419.0 | 1176.0 | 801.0  | 796.0  | 776.0  | 826.0  | 826.0  | 721.0  | 637.0  |
| 8922.9 | 65°   | 6406.9 | 3391.0 | 1046.0 | 736.0  | 746.0  | 716.0  | 765.0  | 759.0  | 670.0  | 596.0  |
| 9205.9 | 67.5° | 6543.9 | 3299.0 | 902.0  | 672.0  | 695.0  | 657.0  | 701.0  | 687.0  | 614.0  | 555.0  |
| 9450.9 | 70°   | 6604.9 | 3085.0 | 738.0  | 608.0  | 636.0  | 599.0  | 637.0  | 611.0  | 551.0  | 511.0  |
| 9181.9 | 72.5° | 6114.9 | 2564.0 | 581.0  | 541.0  | 565.0  | 535.0  | 568.0  | 538.0  | 483.0  | 465.0  |
| 7928.9 | 75°   | 5059.0 | 1924.0 | 447.0  | 468.0  | 486.0  | 463.0  | 485.0  | 463.0  | 413.0  | 426.0  |
| 5856.9 | 77.5° | 3674.0 | 1299.0 | 342.0  | 391.0  | 399.0  | 387.0  | 406.0  | 381.0  | 336.0  | 333.0  |
| 2919.0 | 80°   | 1827.0 | 761.0  | 268.0  | 309.0  | 306.0  | 298.0  | 320.0  | 308.0  | 270.0  | 286.0  |
| 788.0  | 82.5° | 529.0  | 326.0  | 195.0  | 217.0  | 211.0  | 213.0  | 229.0  | 235.0  | 352.0  | 349.0  |
| 245.0  | 85°   | 166.0  | 128.0  | 117.0  | 121.0  | 115.0  | 118.0  | 135.0  | 268.0  | 248.0  | 145.0  |
| 76.0   | 87.5° | 43.0   | 44.0   | 29.0   | 31.0   | 32.0   | 38.0   | 43.0   | 163.0  | 78.0   | 51.0   |
| 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°   |
|--------|
| 3412.0 |
| 3249.0 |
| 2899.0 |
| 2416.0 |
| 2041.0 |
| 1867.0 |
| 1742.0 |
| 1699.0 |
| 1686.0 |
| 1637.0 |
| 1555.0 |
| 1488.0 |
| 1425.0 |
| 1356.0 |
| 1279.0 |
| 1192.0 |
| 1056.0 |
| 992.0  |
| 1032.0 |
| 1004.0 |
| 889.0  |
| 812.0  |
| 774.0  |
| 726.0  |
| 680.0  |
| 634.0  |
| 592.0  |
| 551.0  |
| 503.0  |
| 450.0  |
| 389.0  |
| 318.0  |
| 283.0  |
| 357.0  |
| 157.0  |
| 54.0   |
| 0.0    |