

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: P952438

Luminaire Tested: **GLAN-SB6B-750-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-750-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 35908 lumens  
Efficiency: N/A  
Efficacy: 162.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4  
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

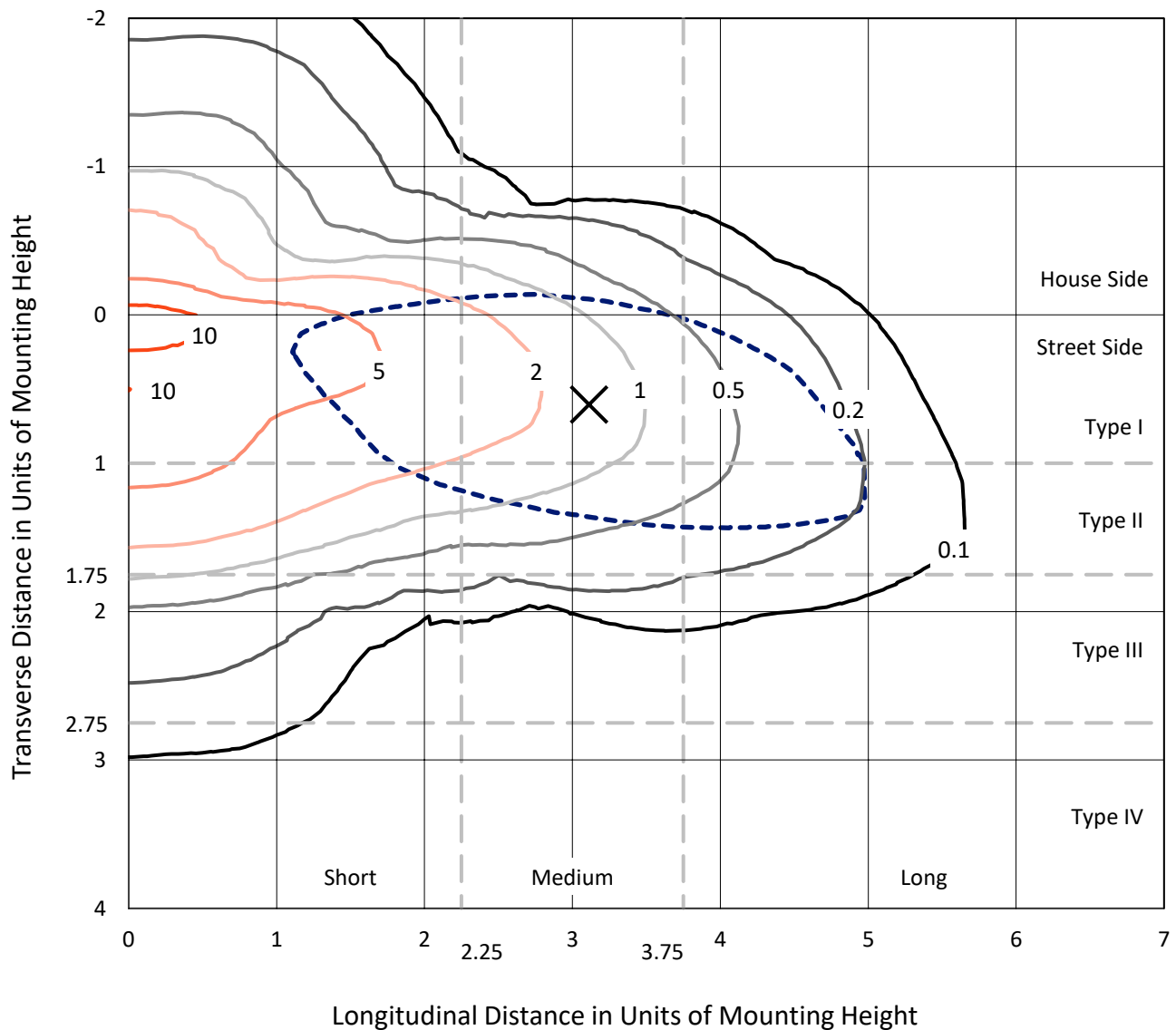


REPORT NUMBER: P952438

CATALOG NUMBER: GLAN-SB6B-750-U-SL2

## Iso-Footcandle Lines of Horizontal Illumination

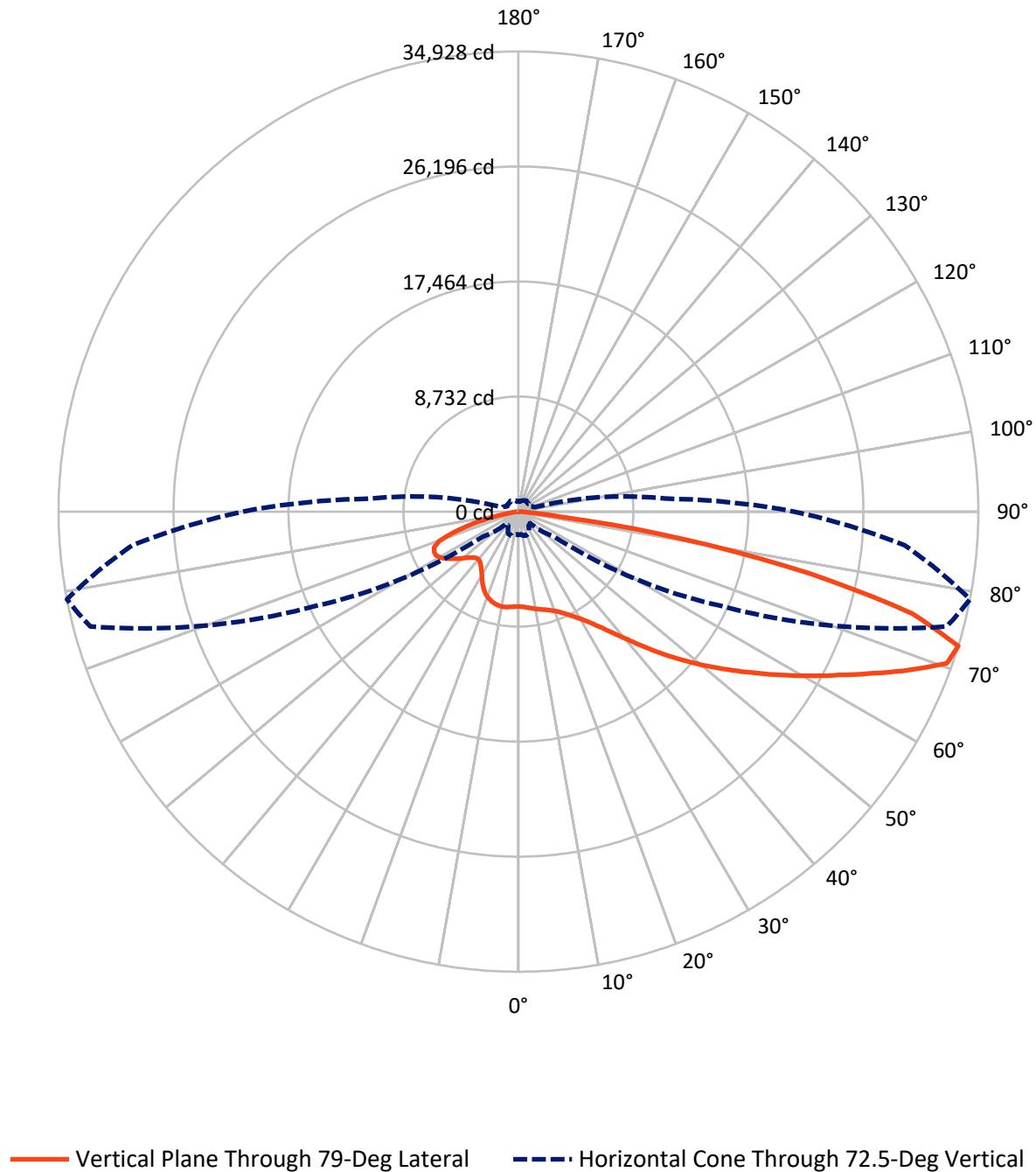
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
Type II - Medium - N/A

REPORT NUMBER: P952438  
CATALOG NUMBER: GLAN-SB6B-750-U-SL2

## Luminous Intensity Polar Plot



REPORT NUMBER: P952438

CATALOG NUMBER: GLAN-SB6B-750-U-SL2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7901.7   | 0.0    | 7901.7  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 28006.3  | 0.0    | 28006.3 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 35908.0  | 0.0    | 35908.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 654.3   | 1.8       |
| 10°-20°   | 1710.7  | 4.8       |
| 20°-30°   | 2760.3  | 7.7       |
| 30°-40°   | 4142.8  | 11.5      |
| 40°-50°   | 5876.8  | 16.4      |
| 50°-60°   | 7421.6  | 20.7      |
| 60°-70°   | 7537.7  | 21.0      |
| 70°-80°   | 5137.3  | 14.3      |
| 80°-90°   | 666.5   | 1.9       |
| 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°    | 35908.0 | 100.0     |
| 0°-180°   | 35908.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952438

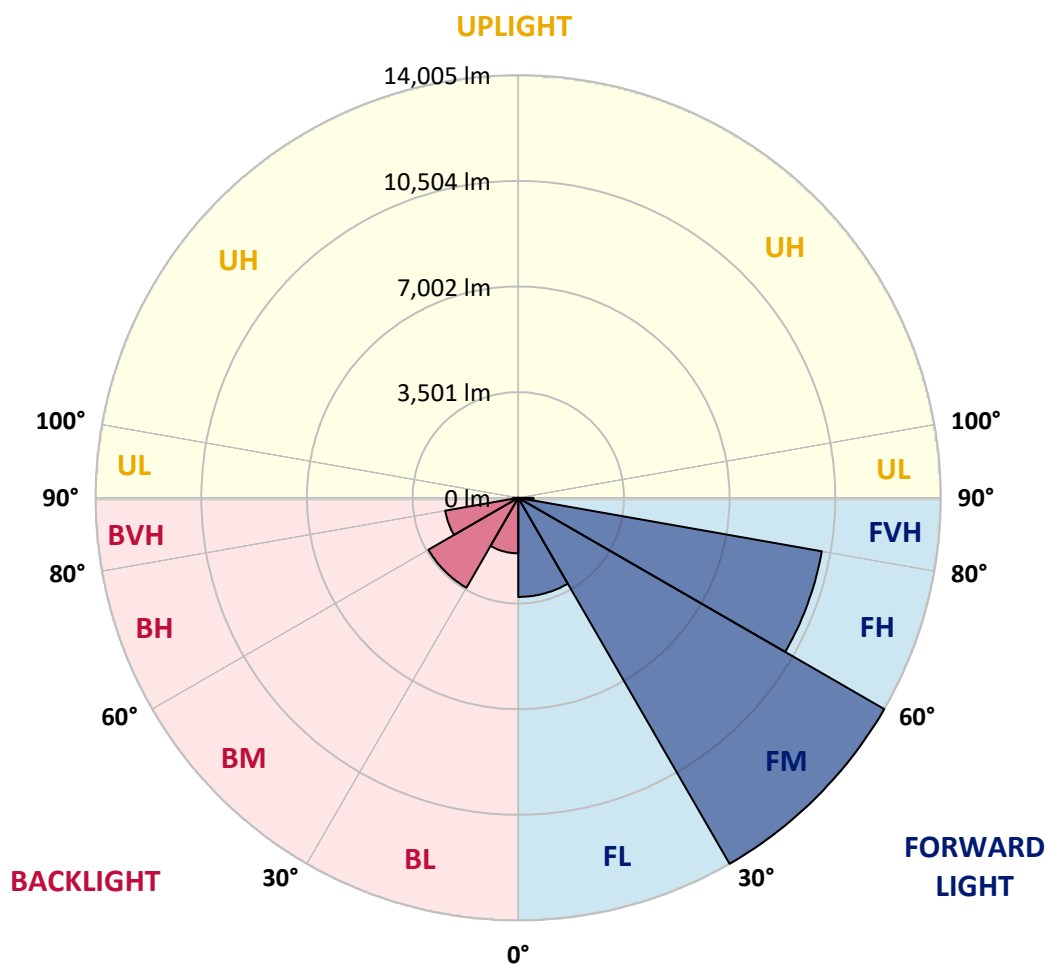
CATALOG NUMBER: GLAN-SB6B-750-U-SL2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3284.7  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 14004.9 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 10214.6 | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 502.1   | 1.4       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1840.5  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3436.4  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2460.3  | 6.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 164.4   | 0.5       |                         |      | 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 II Medium



REPORT NUMBER: P952438

CATALOG NUMBER: GLAN-SB6B-750-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  | 7208.2  |
| 2.5°  | 7212.0  | 7177.8  | 7198.7  | 7191.1  | 7200.6  | 7212.0  | 7215.8  | 7221.5  | 7240.5  | 7238.6  |
| 5°    | 7196.8  | 7162.6  | 7191.1  | 7181.6  | 7206.3  | 7232.9  | 7255.7  | 7276.6  | 7307.0  | 7320.3  |
| 7.5°  | 7164.5  | 7141.7  | 7170.2  | 7198.7  | 7244.3  | 7284.2  | 7316.5  | 7363.9  | 7407.6  | 7415.2  |
| 10°   | 6976.5  | 6959.4  | 7025.8  | 7099.9  | 7225.3  | 7333.5  | 7403.8  | 7458.9  | 7506.4  | 7514.0  |
| 12.5° | 6780.8  | 6759.9  | 6834.0  | 6934.7  | 7137.9  | 7333.5  | 7481.7  | 7553.9  | 7595.7  | 7620.4  |
| 15°   | 6748.5  | 6731.4  | 6773.2  | 6860.6  | 7029.6  | 7282.3  | 7534.9  | 7667.8  | 7703.9  | 7732.4  |
| 17.5° | 6904.3  | 6872.0  | 6889.1  | 6919.5  | 7018.3  | 7234.8  | 7576.7  | 7797.0  | 7852.1  | 7882.5  |
| 20°   | 7265.2  | 7219.6  | 7193.0  | 7132.2  | 7115.1  | 7242.4  | 7572.9  | 7952.8  | 8024.9  | 8062.9  |
| 22.5° | 7745.7  | 7715.3  | 7658.3  | 7504.5  | 7337.3  | 7335.4  | 7645.0  | 8152.2  | 8287.0  | 8323.1  |
| 25°   | 8326.9  | 8281.3  | 8209.2  | 8000.2  | 7679.2  | 7519.7  | 7766.6  | 8406.7  | 8632.7  | 8642.2  |
| 27.5° | 8995.5  | 8927.1  | 8828.4  | 8553.0  | 8119.9  | 7808.4  | 7952.8  | 8699.2  | 9029.7  | 9025.9  |
| 30°   | 9700.2  | 9631.8  | 9527.3  | 9193.1  | 8647.9  | 8197.8  | 8211.1  | 9014.5  | 9500.8  | 9479.9  |
| 32.5° | 10214.9 | 10163.6 | 10142.7 | 9884.4  | 9255.7  | 8657.4  | 8507.4  | 9364.0  | 10082.0 | 10063.0 |
| 35°   | 10610.0 | 10543.5 | 10568.2 | 10437.2 | 9918.6  | 9172.2  | 8870.2  | 9780.0  | 10788.5 | 10786.6 |
| 37.5° | 11001.3 | 10942.4 | 10963.3 | 10875.9 | 10532.1 | 9825.6  | 9312.7  | 10289.0 | 11664.2 | 11705.9 |
| 40°   | 11358.4 | 11295.7 | 11379.3 | 11297.6 | 11008.9 | 10520.7 | 9816.1  | 10864.5 | 12678.4 | 12758.2 |
| 42.5° | 11573.0 | 11523.6 | 11662.3 | 11664.2 | 11422.9 | 11107.6 | 10368.8 | 11498.9 | 13852.3 | 14030.8 |
| 45°   | 11647.1 | 11630.0 | 11838.9 | 11882.6 | 11789.5 | 11447.6 | 10866.4 | 12190.3 | 15117.3 | 15436.4 |
| 47.5° | 11567.3 | 11535.0 | 11823.7 | 11985.2 | 12059.2 | 11607.2 | 11278.6 | 12938.7 | 16408.8 | 16876.1 |
| 50°   | 11164.6 | 11101.9 | 11531.2 | 11871.2 | 12135.2 | 11711.6 | 11694.6 | 13802.9 | 17877.1 | 18388.0 |
| 52.5° | 10441.0 | 10393.5 | 10881.6 | 11472.3 | 11968.1 | 11762.9 | 12161.8 | 14746.9 | 19271.2 | 19932.2 |
| 55°   | 9515.9  | 9453.3  | 9990.8  | 10762.0 | 11552.1 | 11745.8 | 12629.1 | 15802.9 | 20916.1 | 21586.6 |
| 57.5° | 8049.6  | 7924.3  | 8604.2  | 9515.9  | 10874.0 | 11724.9 | 13115.3 | 16853.3 | 22587.6 | 23391.0 |
| 60°   | 5910.9  | 5724.8  | 6558.6  | 7639.4  | 9548.2  | 11521.7 | 13717.4 | 18030.9 | 24593.3 | 25317.0 |
| 62.5° | 3441.7  | 3333.4  | 3878.6  | 4887.1  | 7196.8  | 10325.1 | 14055.5 | 19400.4 | 26564.9 | 27324.6 |
| 65°   | 2672.4  | 2642.1  | 2689.5  | 2767.4  | 4005.8  | 7730.5  | 13012.7 | 20735.7 | 29072.1 | 29603.9 |
| 67.5° | 2444.5  | 2421.7  | 2442.6  | 2296.4  | 2032.3  | 4305.9  | 10294.7 | 21073.7 | 31757.8 | 32080.7 |
| 70°   | 2172.9  | 2146.3  | 2214.7  | 2089.3  | 1599.3  | 1958.3  | 6651.7  | 19846.7 | 33894.6 | 34500.5 |
| 72.5° | 1770.2  | 1739.8  | 1899.4  | 1842.4  | 1346.7  | 1257.4  | 3341.0  | 16931.2 | 33670.5 | 34927.9 |
| 75°   | 1360.0  | 1342.9  | 1532.8  | 1580.3  | 1097.8  | 989.6   | 1603.1  | 12585.4 | 29630.5 | 30897.4 |
| 77.5° | 1056.1  | 1042.8  | 1139.6  | 1312.5  | 885.1   | 767.4   | 985.8   | 7983.1  | 22329.2 | 22551.5 |
| 80°   | 792.0   | 754.1   | 843.3   | 1016.2  | 689.5   | 560.3   | 668.6   | 4655.4  | 14114.4 | 12794.3 |
| 82.5° | 495.7   | 476.7   | 550.8   | 678.1   | 486.2   | 385.6   | 435.0   | 2571.8  | 5656.4  | 3331.5  |
| 85°   | 283.0   | 275.4   | 300.1   | 387.5   | 264.0   | 222.2   | 248.8   | 1135.8  | 1033.3  | 710.4   |
| 87.5° | 114.0   | 110.2   | 136.8   | 172.8   | 96.9    | 81.7    | 87.4    | 273.5   | 227.9   | 210.8   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952438

CATALOG NUMBER: GLAN-SB6B-750-U-SL2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7208.2  | 0°    | 7208.2  | 7208.2  | 7208.2 | 7208.2 | 7208.2 | 7208.2 | 7208.2 | 7208.2 | 7208.2 | 7208.2 |
| 7236.7  | 2.5°  | 7229.1  | 7229.1  | 7202.5 | 7160.7 | 7113.2 | 7082.8 | 7033.4 | 7020.1 | 6968.9 | 6953.7 |
| 7301.3  | 5°    | 7316.5  | 7301.3  | 7219.6 | 7101.8 | 6940.4 | 6792.2 | 6628.9 | 6526.3 | 6382.0 | 6330.7 |
| 7428.5  | 7.5°  | 7426.6  | 7384.8  | 7244.3 | 6986.0 | 6647.9 | 6315.5 | 5969.8 | 5707.7 | 5457.0 | 5367.7 |
| 7533.0  | 10°   | 7527.3  | 7468.4  | 7229.1 | 6777.0 | 6192.0 | 5616.5 | 5065.7 | 4680.1 | 4387.6 | 4267.9 |
| 7648.8  | 12.5° | 7628.0  | 7519.7  | 7128.4 | 6429.4 | 5544.3 | 4763.7 | 4176.8 | 3876.7 | 3696.2 | 3551.9 |
| 7743.8  | 15°   | 7722.9  | 7571.0  | 6972.7 | 5964.1 | 4834.0 | 4041.9 | 3608.8 | 3369.5 | 3225.2 | 3130.2 |
| 7882.5  | 17.5° | 7833.1  | 7614.7  | 6739.0 | 5373.4 | 4157.8 | 3542.4 | 3189.1 | 3044.7 | 3016.2 | 3004.8 |
| 8072.4  | 20°   | 7986.9  | 7654.5  | 6431.3 | 4712.4 | 3660.1 | 3143.5 | 2961.2 | 2947.9 | 2946.0 | 2940.3 |
| 8300.3  | 22.5° | 8152.2  | 7702.0  | 6024.9 | 4112.2 | 3236.6 | 2894.7 | 2862.4 | 2835.8 | 2818.7 | 2816.8 |
| 8575.8  | 25°   | 8347.8  | 7717.2  | 5515.8 | 3620.2 | 2875.7 | 2776.9 | 2738.9 | 2699.0 | 2687.6 | 2687.6 |
| 8889.2  | 27.5° | 8537.8  | 7665.9  | 4923.2 | 3192.9 | 2672.4 | 2668.6 | 2619.3 | 2606.0 | 2604.1 | 2609.8 |
| 9246.2  | 30°   | 8727.7  | 7569.1  | 4334.4 | 2797.8 | 2554.7 | 2554.7 | 2537.6 | 2547.1 | 2554.7 | 2573.7 |
| 9736.3  | 32.5° | 8984.1  | 7466.5  | 3842.5 | 2505.3 | 2452.1 | 2433.1 | 2450.2 | 2469.2 | 2476.8 | 2501.5 |
| 10380.2 | 35°   | 9360.2  | 7394.3  | 3451.2 | 2345.7 | 2345.7 | 2321.1 | 2330.6 | 2326.8 | 2309.7 | 2298.3 |
| 11158.9 | 37.5° | 9857.8  | 7390.5  | 3128.3 | 2271.7 | 2256.5 | 2252.7 | 2254.6 | 2229.9 | 2163.4 | 2083.6 |
| 12101.0 | 40°   | 10456.1 | 7493.1  | 2879.5 | 2220.4 | 2209.0 | 2231.8 | 2220.4 | 2153.9 | 1971.6 | 1832.9 |
| 13259.6 | 42.5° | 11259.6 | 7785.6  | 2719.9 | 2157.7 | 2191.9 | 2220.4 | 2174.8 | 1945.0 | 1821.5 | 1728.4 |
| 14579.7 | 45°   | 12205.5 | 8260.5  | 2638.3 | 2091.2 | 2159.6 | 2193.8 | 1973.5 | 1872.8 | 1774.0 | 1662.0 |
| 16019.5 | 47.5° | 13276.7 | 8858.8  | 2619.3 | 2028.5 | 2087.4 | 2108.3 | 1888.0 | 1842.4 | 1730.3 | 1608.8 |
| 17466.8 | 50°   | 14443.0 | 9567.2  | 2670.5 | 1954.5 | 1983.0 | 1910.8 | 1859.5 | 1817.7 | 1701.9 | 1582.2 |
| 18950.2 | 52.5° | 15649.1 | 10347.9 | 2773.1 | 1853.8 | 1878.5 | 1798.7 | 1848.1 | 1812.0 | 1684.8 | 1523.3 |
| 20483.0 | 55°   | 16834.3 | 11134.2 | 2871.9 | 1736.0 | 1772.1 | 1698.1 | 1815.8 | 1789.2 | 1606.9 | 1424.5 |
| 22118.4 | 57.5° | 18038.5 | 11916.8 | 2968.7 | 1631.6 | 1669.6 | 1601.2 | 1764.5 | 1728.4 | 1519.5 | 1333.4 |
| 23903.8 | 60°   | 19290.2 | 12676.5 | 3014.3 | 1530.9 | 1557.5 | 1511.9 | 1686.7 | 1624.0 | 1420.7 | 1240.3 |
| 25658.9 | 62.5° | 20462.1 | 13309.0 | 2940.3 | 1430.2 | 1447.3 | 1428.3 | 1584.1 | 1500.5 | 1322.0 | 1135.8 |
| 27488.0 | 65°   | 21637.9 | 13685.1 | 2712.3 | 1331.5 | 1335.3 | 1325.8 | 1439.7 | 1367.6 | 1206.1 | 1044.7 |
| 29089.2 | 67.5° | 22703.4 | 13895.9 | 2349.5 | 1225.1 | 1215.6 | 1211.8 | 1304.9 | 1223.2 | 1094.0 | 953.5  |
| 30306.7 | 70°   | 22929.5 | 13360.3 | 1794.9 | 1099.7 | 1099.7 | 1090.3 | 1156.7 | 1073.2 | 970.6  | 856.6  |
| 29434.9 | 72.5° | 20942.7 | 11238.7 | 1274.5 | 957.3  | 972.5  | 953.5  | 1008.6 | 938.3  | 845.2  | 769.3  |
| 25368.3 | 75°   | 16887.5 | 8241.5  | 926.9  | 811.0  | 837.6  | 805.3  | 856.6  | 807.2  | 727.5  | 725.6  |
| 17482.0 | 77.5° | 11603.4 | 5096.1  | 672.4  | 668.6  | 687.6  | 645.8  | 704.7  | 678.1  | 605.9  | 573.6  |
| 7609.0  | 80°   | 4951.7  | 2032.3  | 490.0  | 516.6  | 516.6  | 478.6  | 547.0  | 554.6  | 491.9  | 476.7  |
| 1468.2  | 82.5° | 985.8   | 577.4   | 343.8  | 355.2  | 334.3  | 322.9  | 387.5  | 429.3  | 592.6  | 659.1  |
| 442.6   | 85°   | 296.3   | 212.7   | 207.0  | 193.7  | 170.9  | 172.8  | 227.9  | 431.2  | 531.8  | 303.9  |
| 146.3   | 87.5° | 81.7    | 53.2    | 55.1   | 43.7   | 36.1   | 47.5   | 77.9   | 326.7  | 178.5  | 76.0   |
| 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°   |
|--------|
| 7208.2 |
| 6978.4 |
| 6368.7 |
| 5379.1 |
| 4294.5 |
| 3599.3 |
| 3147.3 |
| 3012.4 |
| 2959.3 |
| 2837.7 |
| 2699.0 |
| 2625.0 |
| 2587.0 |
| 2522.4 |
| 2324.9 |
| 2085.5 |
| 1829.1 |
| 1724.6 |
| 1654.4 |
| 1599.3 |
| 1568.9 |
| 1511.9 |
| 1415.0 |
| 1329.6 |
| 1234.6 |
| 1133.9 |
| 1033.3 |
| 942.1  |
| 852.8  |
| 746.5  |
| 653.4  |
| 537.5  |
| 476.7  |
| 661.0  |
| 262.1  |
| 64.6   |
| 0.0    |