

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: P951007

Luminaire Tested: **GLAN-SB5B-750-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-750-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 30606 lumens  
Efficiency: N/A  
Efficacy: 167.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7  
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

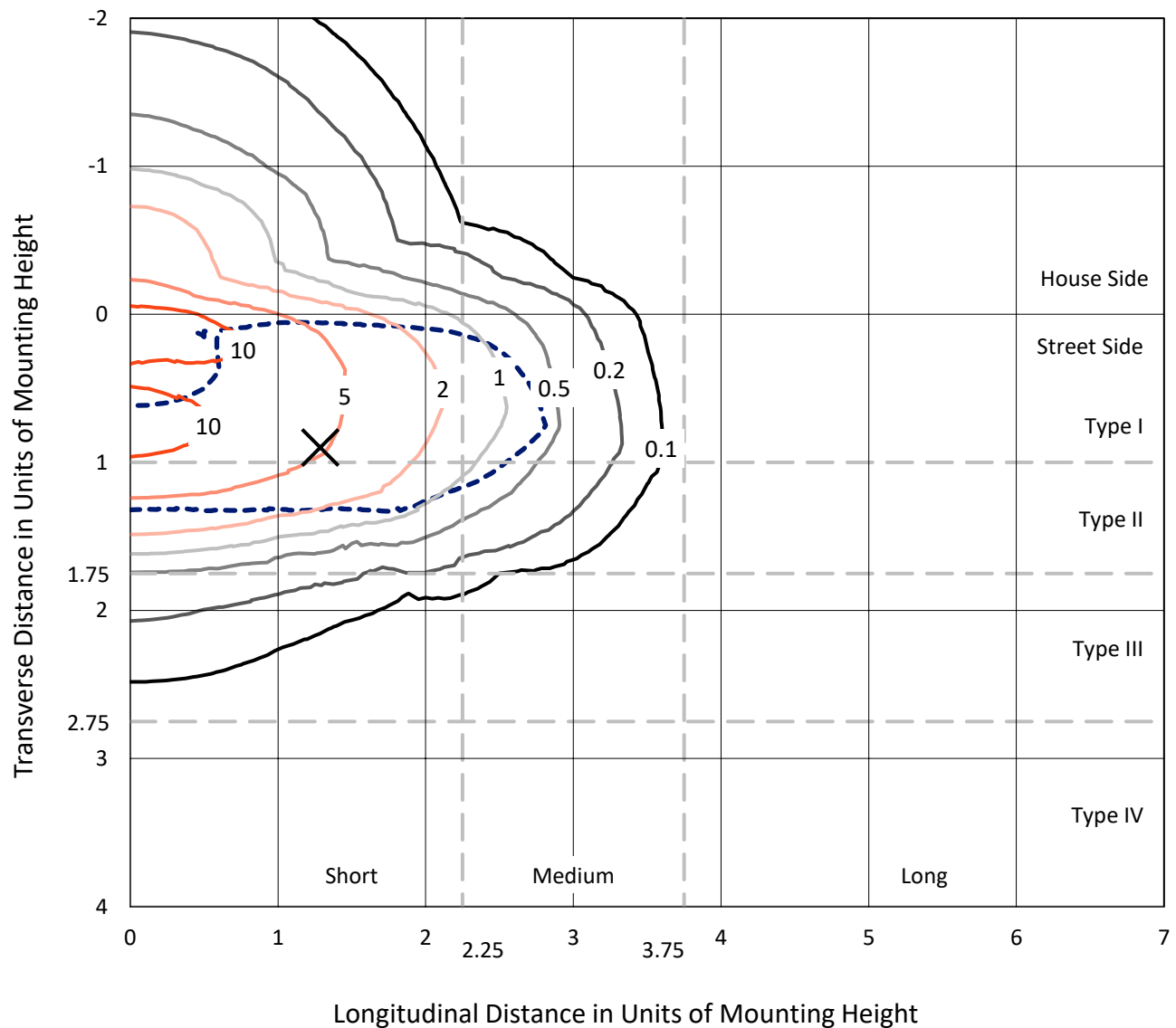


REPORT NUMBER: P951007

CATALOG NUMBER: GLAN-SB5B-750-U-AFL

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

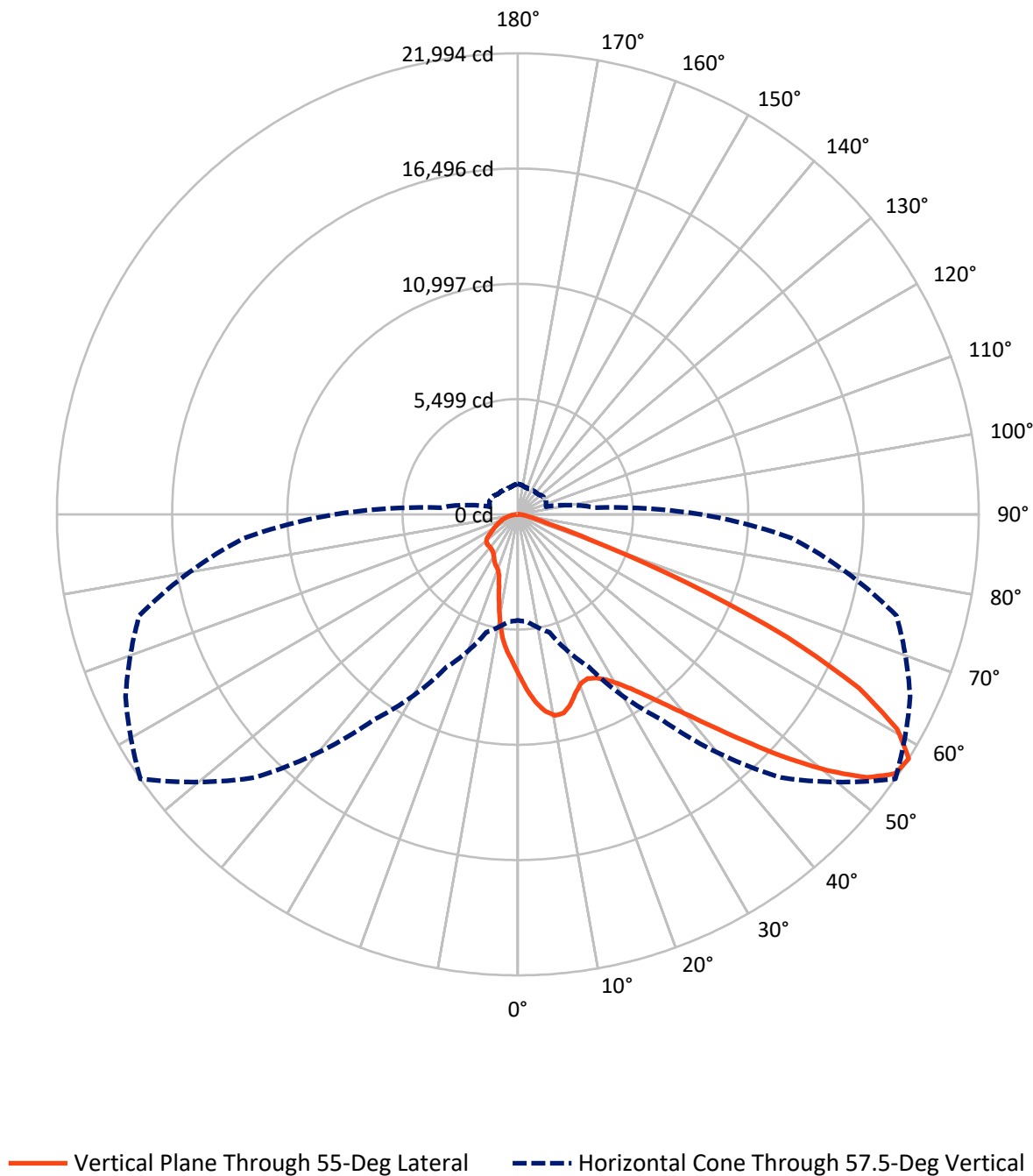


Based on 25 foot mounting height. Maximum calculated value = 14.8 fc

Type II - Short - N/A

REPORT NUMBER: P951007  
CATALOG NUMBER: GLAN-SB5B-750-U-AFL

## Luminous Intensity Polar Plot



REPORT NUMBER: P951007

CATALOG NUMBER: GLAN-SB5B-750-U-AFL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5538.0   | 0.0    | 5538.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 25068.0  | 0.0    | 25068.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 30606.0  | 0.0    | 30606.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 711.6   | 2.3       |
| 10°-20°   | 1796.2  | 5.9       |
| 20°-30°   | 2866.2  | 9.4       |
| 30°-40°   | 4537.9  | 14.8      |
| 40°-50°   | 6945.7  | 22.7      |
| 50°-60°   | 7439.5  | 24.3      |
| 60°-70°   | 4680.2  | 15.3      |
| 70°-80°   | 1384.0  | 4.5       |
| 80°-90°   | 244.7   | 0.8       |
| 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°    | 30606.0 | 100.0     |
| 0°-180°   | 30606.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P951007

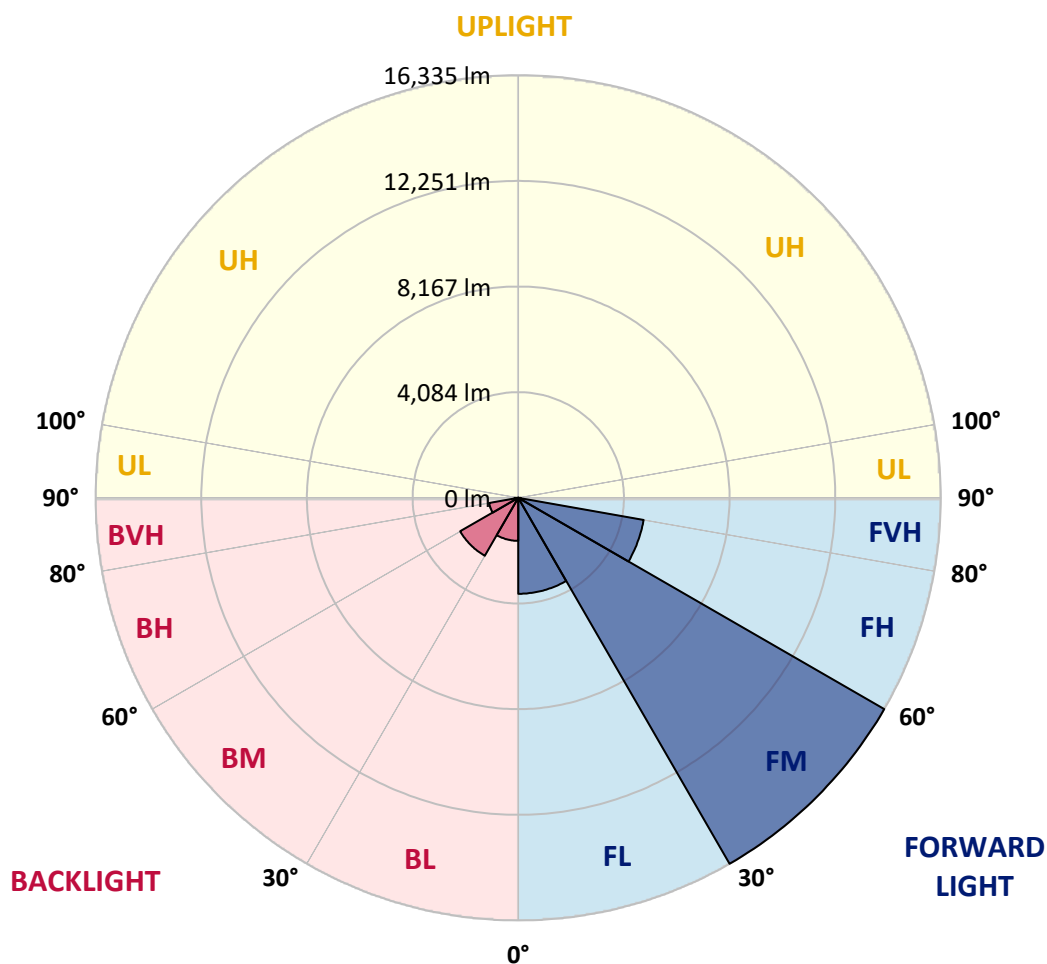
CATALOG NUMBER: GLAN-SB5B-750-U-AFL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3709.4  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 16334.6 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 4920.5  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 103.4   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1664.5  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2588.4  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1143.7  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 141.3   | 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-G3**

Type II Short



REPORT NUMBER: P951007

CATALOG NUMBER: GLAN-SB5B-750-U-AFL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  | 7668.9  |
| 2.5°  | 8798.6  | 8792.2  | 8827.0  | 8708.4  | 8627.7  | 8518.5  | 8374.5  | 8191.0  | 7993.2  | 7784.4  |
| 5°    | 9591.2  | 9535.9  | 9572.2  | 9483.6  | 9395.0  | 9230.5  | 9016.9  | 8717.9  | 8352.4  | 7936.3  |
| 7.5°  | 9466.2  | 9428.3  | 9521.6  | 9600.7  | 9667.2  | 9646.6  | 9490.0  | 9176.7  | 8705.2  | 8100.8  |
| 10°   | 8458.4  | 8415.7  | 8547.0  | 8820.7  | 9222.6  | 9572.2  | 9762.1  | 9567.5  | 9065.9  | 8281.2  |
| 12.5° | 7569.2  | 7548.6  | 7635.6  | 7857.2  | 8303.3  | 8974.2  | 9727.3  | 9909.2  | 9440.9  | 8494.8  |
| 15°   | 7189.5  | 7164.2  | 7219.5  | 7331.9  | 7616.7  | 8241.6  | 9410.9  | 10143.4 | 9809.6  | 8741.6  |
| 17.5° | 7105.6  | 7077.1  | 7100.9  | 7159.4  | 7342.9  | 7819.2  | 8933.0  | 10258.9 | 10194.0 | 9016.9  |
| 20°   | 7260.7  | 7236.9  | 7240.1  | 7236.9  | 7365.1  | 7743.2  | 8600.8  | 10214.6 | 10529.5 | 9270.0  |
| 22.5° | 7635.6  | 7596.1  | 7597.7  | 7513.8  | 7583.4  | 7876.1  | 8513.8  | 10095.9 | 10828.5 | 9491.6  |
| 25°   | 8246.4  | 8175.2  | 8189.4  | 7975.8  | 7956.8  | 8173.6  | 8649.8  | 10004.2 | 11126.0 | 9668.8  |
| 27.5° | 9081.8  | 9001.1  | 8958.4  | 8640.3  | 8488.4  | 8596.0  | 8926.7  | 10035.8 | 11407.6 | 9822.2  |
| 30°   | 10126.0 | 10027.9 | 9940.9  | 9490.0  | 9214.7  | 9175.1  | 9357.1  | 10244.7 | 11739.8 | 9983.6  |
| 32.5° | 11406.0 | 11292.1 | 11133.9 | 10535.8 | 10148.2 | 9940.9  | 9914.0  | 10616.5 | 12129.1 | 10189.3 |
| 35°   | 12929.6 | 12780.9 | 12556.3 | 11782.6 | 11292.1 | 10868.1 | 10648.1 | 11152.9 | 12662.3 | 10499.4 |
| 37.5° | 14499.2 | 14331.5 | 14125.8 | 13204.9 | 12602.1 | 11977.2 | 11543.7 | 11880.7 | 13372.7 | 10920.3 |
| 40°   | 15946.9 | 15758.6 | 15567.2 | 14747.6 | 14100.5 | 13347.3 | 12640.1 | 12801.5 | 14241.3 | 11423.4 |
| 42.5° | 16801.3 | 16662.0 | 16589.3 | 16146.2 | 15646.3 | 14882.1 | 14004.0 | 13893.2 | 15217.5 | 12002.5 |
| 45°   | 16763.3 | 16706.3 | 16931.0 | 17114.5 | 16995.9 | 16571.8 | 15602.0 | 15100.4 | 16196.9 | 12504.0 |
| 47.5° | 15867.8 | 15905.7 | 16407.3 | 17438.9 | 17893.0 | 18114.5 | 17421.5 | 16285.5 | 17048.1 | 12879.0 |
| 50°   | 13431.2 | 13462.8 | 14624.2 | 16848.7 | 18124.0 | 19372.3 | 19226.8 | 17442.1 | 17707.9 | 13108.4 |
| 52.5° | 11502.5 | 11523.1 | 12021.5 | 15098.8 | 17361.4 | 20005.2 | 20853.3 | 18532.2 | 18190.4 | 13171.7 |
| 55°   | 8664.1  | 8735.3  | 9293.8  | 11845.8 | 15377.3 | 19503.6 | 21843.7 | 19655.5 | 18495.8 | 13178.1 |
| 57.5° | 5061.4  | 5138.9  | 5828.8  | 8040.7  | 11951.9 | 17755.3 | 21994.0 | 20652.3 | 18703.1 | 13127.4 |
| 60°   | 2479.3  | 2512.5  | 2813.1  | 4226.0  | 7369.8  | 14386.8 | 20785.2 | 21134.9 | 18818.6 | 13100.5 |
| 62.5° | 1670.8  | 1666.0  | 1678.7  | 2085.3  | 3631.1  | 9243.1  | 18266.4 | 20290.0 | 18756.9 | 12997.7 |
| 65°   | 1436.6  | 1419.2  | 1371.8  | 1463.5  | 1881.2  | 4227.6  | 14113.1 | 17768.0 | 18286.9 | 12739.8 |
| 67.5° | 1242.0  | 1243.6  | 1245.2  | 1216.7  | 1343.3  | 1950.8  | 8624.5  | 13996.0 | 16600.3 | 11518.3 |
| 70°   | 1028.4  | 1042.7  | 1049.0  | 1049.0  | 1094.9  | 1280.0  | 3681.8  | 9592.8  | 13094.2 | 9031.1  |
| 72.5° | 936.7   | 906.6   | 909.8   | 893.9   | 893.9   | 974.6   | 1482.5  | 5438.0  | 8249.5  | 5080.4  |
| 75°   | 764.2   | 783.2   | 786.3   | 775.3   | 738.9   | 743.6   | 879.7   | 2281.5  | 3529.9  | 2107.5  |
| 77.5° | 659.8   | 659.8   | 666.1   | 658.2   | 629.7   | 556.9   | 587.0   | 884.4   | 1200.9  | 863.9   |
| 80°   | 530.0   | 528.5   | 555.3   | 571.2   | 526.9   | 411.4   | 375.0   | 488.9   | 533.2   | 379.7   |
| 82.5° | 257.9   | 273.7   | 381.3   | 435.1   | 400.3   | 297.5   | 229.4   | 303.8   | 284.8   | 167.7   |
| 85°   | 150.3   | 142.4   | 170.9   | 242.1   | 229.4   | 164.5   | 110.8   | 158.2   | 148.7   | 85.4    |
| 87.5° | 47.5    | 44.3    | 34.8    | 82.3    | 66.5    | 45.9    | 30.1    | 45.9    | 41.1    | 19.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P951007

CATALOG NUMBER: GLAN-SB5B-750-U-AFL

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7668.9 | 0°    | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 | 7668.9 |
| 7694.2 | 2.5°  | 7581.8 | 7395.2 | 7210.0 | 7040.7 | 6937.9 | 6871.4 | 6805.0 | 6730.6 | 6702.2 | 6659.4 |
| 7714.8 | 5°    | 7505.9 | 7145.2 | 6824.0 | 6547.1 | 6295.5 | 6097.8 | 5898.4 | 5737.0 | 5664.2 | 5713.3 |
| 7779.6 | 7.5°  | 7461.6 | 6939.5 | 6444.3 | 5936.4 | 5447.5 | 5056.7 | 4716.5 | 4477.6 | 4370.0 | 4396.9 |
| 7842.9 | 10°   | 7422.0 | 6706.9 | 5952.2 | 5150.0 | 4447.5 | 3963.4 | 3615.3 | 3433.4 | 3365.3 | 3379.6 |
| 7928.3 | 12.5° | 7385.7 | 6445.8 | 5358.9 | 4303.6 | 3556.8 | 3237.2 | 3137.5 | 3139.1 | 3151.7 | 3161.2 |
| 8064.4 | 15°   | 7379.3 | 6131.0 | 4695.9 | 3563.1 | 3075.8 | 3055.2 | 3162.8 | 3230.8 | 3267.2 | 3278.3 |
| 8178.3 | 17.5° | 7369.8 | 5754.4 | 4020.3 | 3058.4 | 2958.7 | 3097.9 | 3197.6 | 3241.9 | 3270.4 | 3272.0 |
| 8289.1 | 20°   | 7331.9 | 5276.6 | 3397.0 | 2817.9 | 2933.4 | 3053.6 | 3115.3 | 3150.1 | 3173.9 | 3181.8 |
| 8372.9 | 22.5° | 7214.8 | 4745.0 | 2911.2 | 2710.3 | 2832.1 | 2928.6 | 3001.4 | 3041.0 | 3055.2 | 3064.7 |
| 8388.8 | 25°   | 7004.4 | 4150.1 | 2575.8 | 2607.4 | 2691.3 | 2813.1 | 2871.7 | 2879.6 | 2874.8 | 2889.1 |
| 8349.2 | 27.5° | 6729.0 | 3512.5 | 2367.0 | 2468.2 | 2575.8 | 2680.2 | 2711.9 | 2707.1 | 2697.6 | 2713.5 |
| 8281.2 | 30°   | 6396.8 | 2939.7 | 2234.1 | 2311.6 | 2458.7 | 2553.7 | 2582.1 | 2571.1 | 2552.1 | 2569.5 |
| 8246.4 | 32.5° | 6045.5 | 2471.4 | 2124.9 | 2202.4 | 2362.2 | 2455.6 | 2484.0 | 2473.0 | 2458.7 | 2473.0 |
| 8285.9 | 35°   | 5718.0 | 2143.9 | 2023.6 | 2129.6 | 2286.3 | 2378.0 | 2414.4 | 2416.0 | 2416.0 | 2433.4 |
| 8390.3 | 37.5° | 5417.4 | 1952.4 | 1939.8 | 2083.7 | 2234.1 | 2316.3 | 2368.5 | 2371.7 | 2303.7 | 2308.4 |
| 8567.6 | 40°   | 5138.9 | 1871.7 | 1901.8 | 2053.7 | 2183.4 | 2262.5 | 2265.7 | 2088.5 | 1963.5 | 1960.3 |
| 8770.1 | 42.5° | 4911.1 | 1855.9 | 1912.9 | 2050.5 | 2147.0 | 2150.2 | 1927.1 | 1789.5 | 1754.6 | 1756.2 |
| 8956.8 | 45°   | 4697.5 | 1851.2 | 1938.2 | 2050.5 | 2093.2 | 1857.5 | 1707.2 | 1670.8 | 1674.0 | 1686.6 |
| 9040.6 | 47.5° | 4458.6 | 1832.2 | 1942.9 | 2022.0 | 1938.2 | 1651.8 | 1607.5 | 1591.7 | 1585.4 | 1588.5 |
| 9021.6 | 50°   | 4197.5 | 1764.1 | 1882.8 | 1965.1 | 1672.4 | 1563.2 | 1507.8 | 1503.1 | 1511.0 | 1515.7 |
| 8915.6 | 52.5° | 3922.2 | 1653.4 | 1780.0 | 1862.2 | 1550.5 | 1485.7 | 1424.0 | 1435.0 | 1469.9 | 1480.9 |
| 8804.9 | 55°   | 3741.9 | 1523.6 | 1643.9 | 1656.6 | 1465.1 | 1412.9 | 1360.7 | 1386.0 | 1450.9 | 1471.4 |
| 8738.4 | 57.5° | 3694.4 | 1386.0 | 1488.8 | 1474.6 | 1355.9 | 1349.6 | 1318.0 | 1340.1 | 1422.4 | 1452.4 |
| 8735.3 | 60°   | 3680.2 | 1262.6 | 1336.9 | 1325.9 | 1249.9 | 1280.0 | 1272.1 | 1283.2 | 1311.6 | 1321.1 |
| 8703.6 | 62.5° | 3569.4 | 1164.5 | 1200.9 | 1185.1 | 1155.0 | 1207.2 | 1226.2 | 1202.5 | 1224.6 | 1235.7 |
| 8486.9 | 65°   | 3287.8 | 1085.4 | 1068.0 | 1056.9 | 1069.6 | 1117.0 | 1155.0 | 1107.5 | 1128.1 | 1159.7 |
| 7651.5 | 67.5° | 2822.6 | 977.8  | 930.3  | 943.0  | 982.5  | 1007.9 | 1056.9 | 1003.1 | 1020.5 | 1074.3 |
| 6162.6 | 70°   | 2283.1 | 841.7  | 799.0  | 835.4  | 873.4  | 925.6  | 933.5  | 897.1  | 938.2  | 998.4  |
| 3760.9 | 72.5° | 1615.4 | 704.1  | 674.0  | 748.4  | 761.0  | 829.1  | 811.7  | 794.3  | 851.2  | 871.8  |
| 1859.1 | 75°   | 1120.2 | 568.0  | 550.6  | 607.6  | 653.4  | 712.0  | 699.3  | 719.9  | 840.1  | 849.6  |
| 928.7  | 77.5° | 708.8  | 441.4  | 430.4  | 466.7  | 530.0  | 594.9  | 615.5  | 849.6  | 1435.0 | 1492.0 |
| 482.6  | 80°   | 411.4  | 329.1  | 316.4  | 344.9  | 400.3  | 460.4  | 593.3  | 1042.7 | 946.1  | 935.1  |
| 216.8  | 82.5° | 229.4  | 226.3  | 210.4  | 218.3  | 267.4  | 332.3  | 838.6  | 734.1  | 596.5  | 615.5  |
| 87.0   | 85°   | 107.6  | 132.9  | 113.9  | 109.2  | 150.3  | 389.2  | 560.1  | 419.3  | 278.5  | 272.1  |
| 19.0   | 87.5° | 28.5   | 25.3   | 25.3   | 28.5   | 63.3   | 335.4  | 223.1  | 178.8  | 106.0  | 102.8  |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF RI

