

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: P953826

Luminaire Tested: **GLAN-SB7B-735-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953826  
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-SB7B-735-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39138 lumens  
Efficiency: N/A  
Efficacy: 152.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

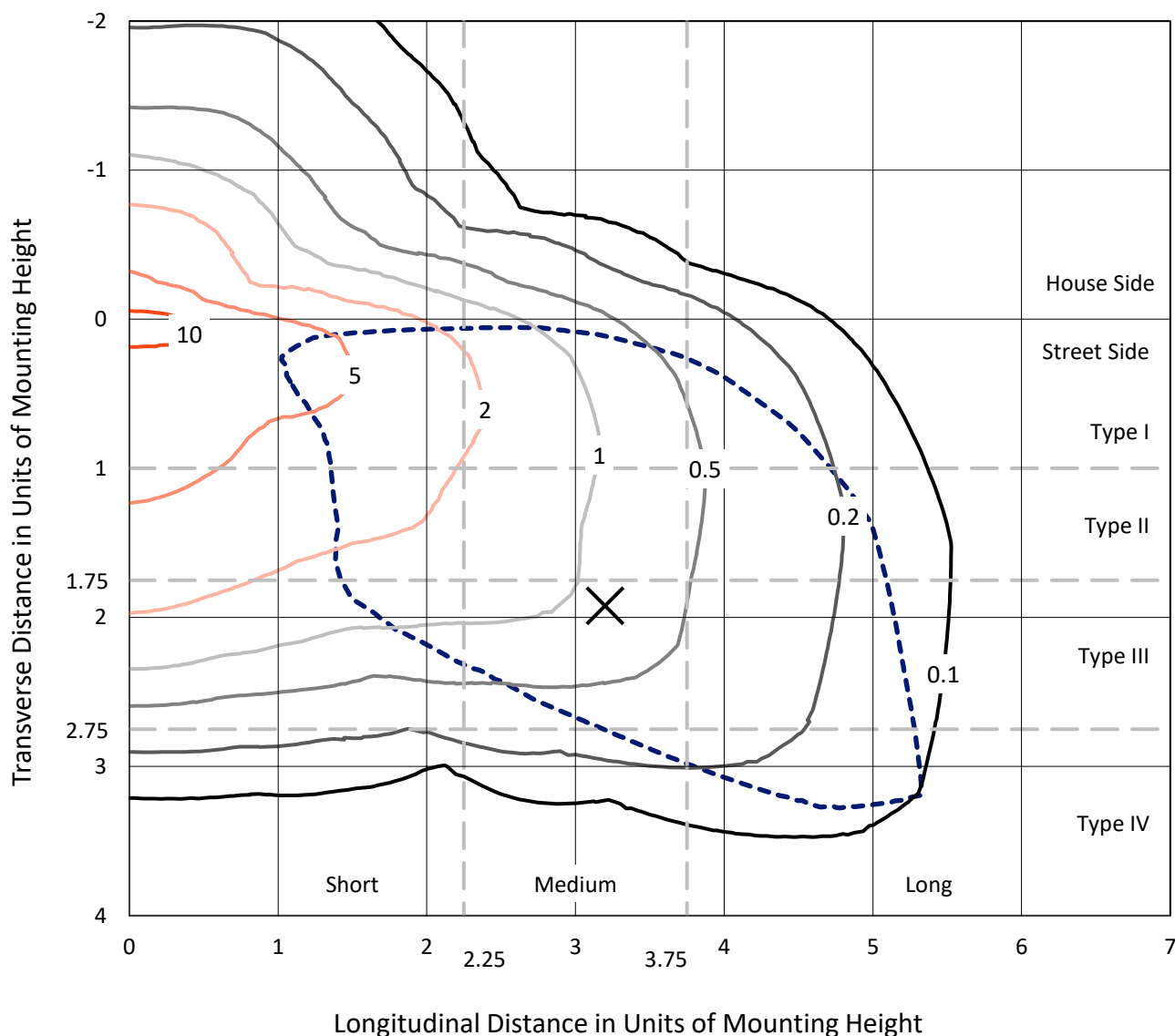
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

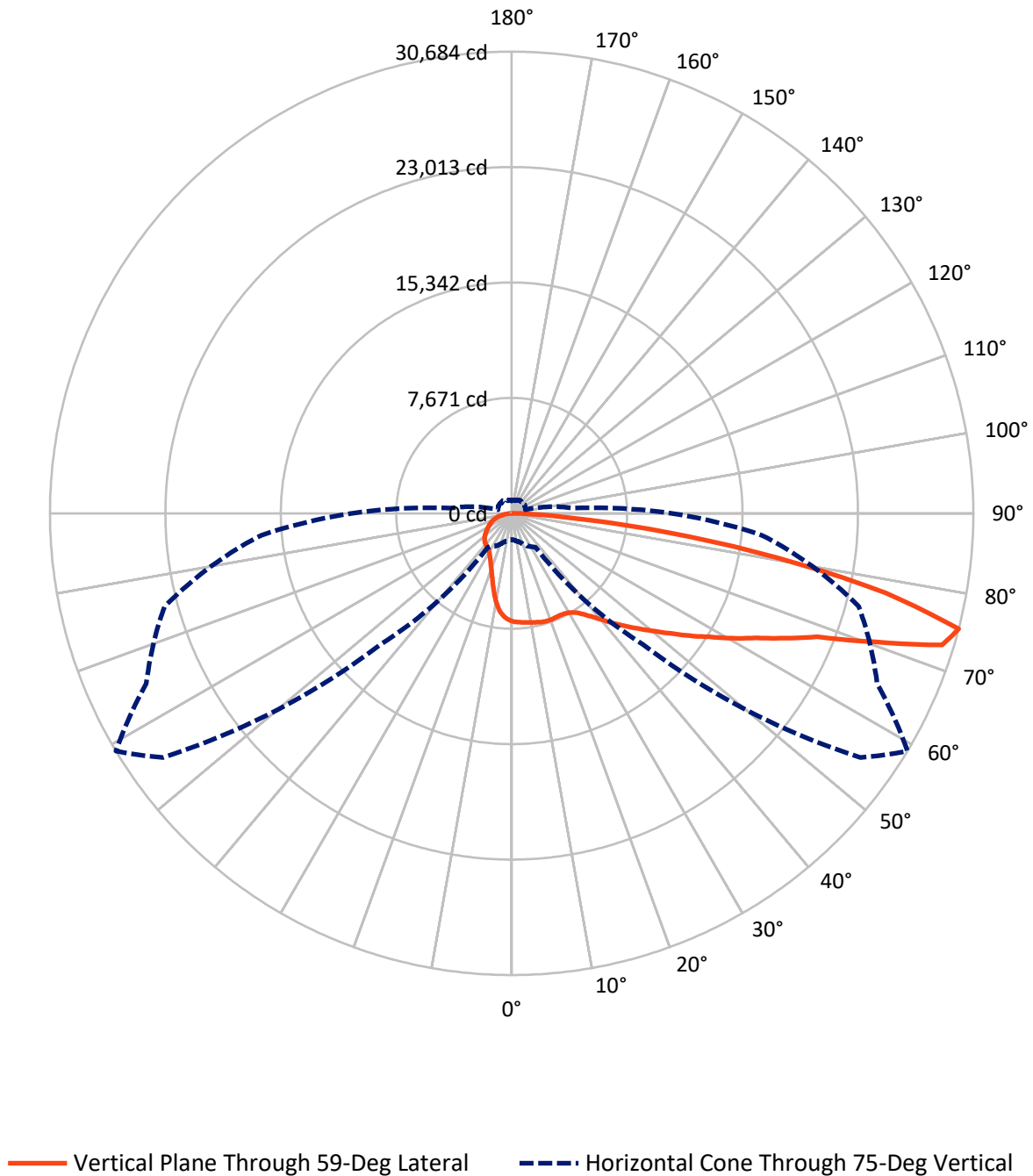
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P953826  
CATALOG NUMBER: GLAN-SB7B-735-U-SL3

## Luminous Intensity Polar Plot



REPORT NUMBER: P953826

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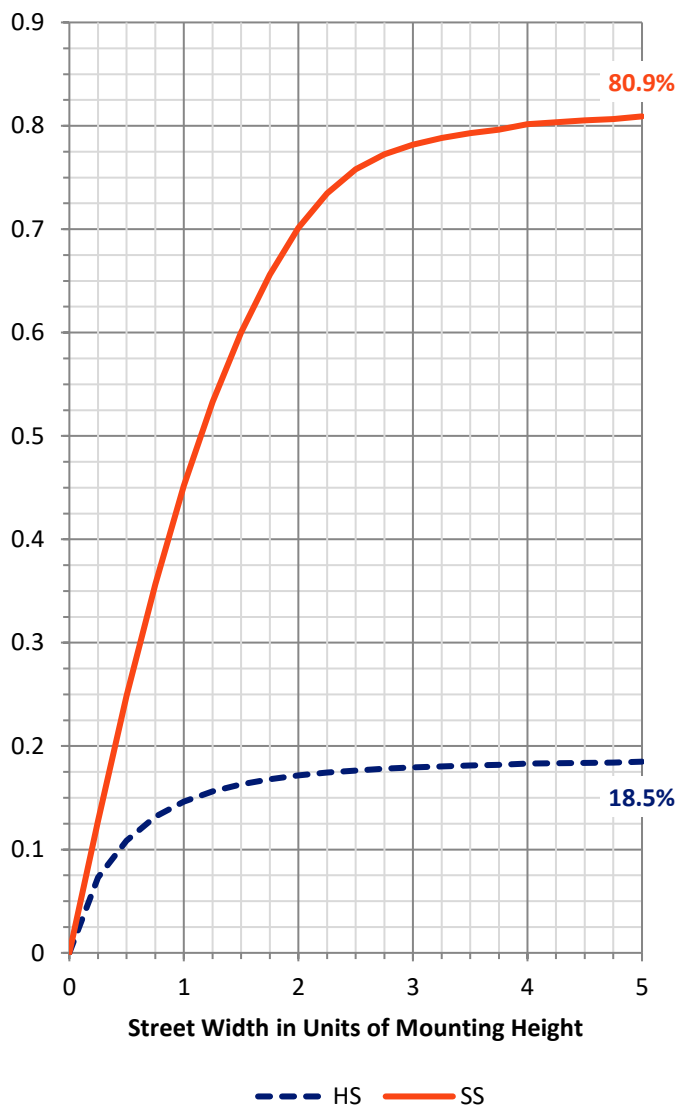
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7340.6   | 0.0    | 7340.6  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 31797.4  | 0.0    | 31797.4 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 39138.0  | 0.0    | 39138.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 644.1   | 1.6       |
| 10°-20°   | 1646.4  | 4.2       |
| 20°-30°   | 2500.8  | 6.4       |
| 30°-40°   | 3717.4  | 9.5       |
| 40°-50°   | 5528.4  | 14.1      |
| 50°-60°   | 7504.2  | 19.2      |
| 60°-70°   | 9161.4  | 23.4      |
| 70°-80°   | 7189.7  | 18.4      |
| 80°-90°   | 1245.4  | 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°    | 39138.0 | 100.0     |
| 0°-180°   | 39138.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953826

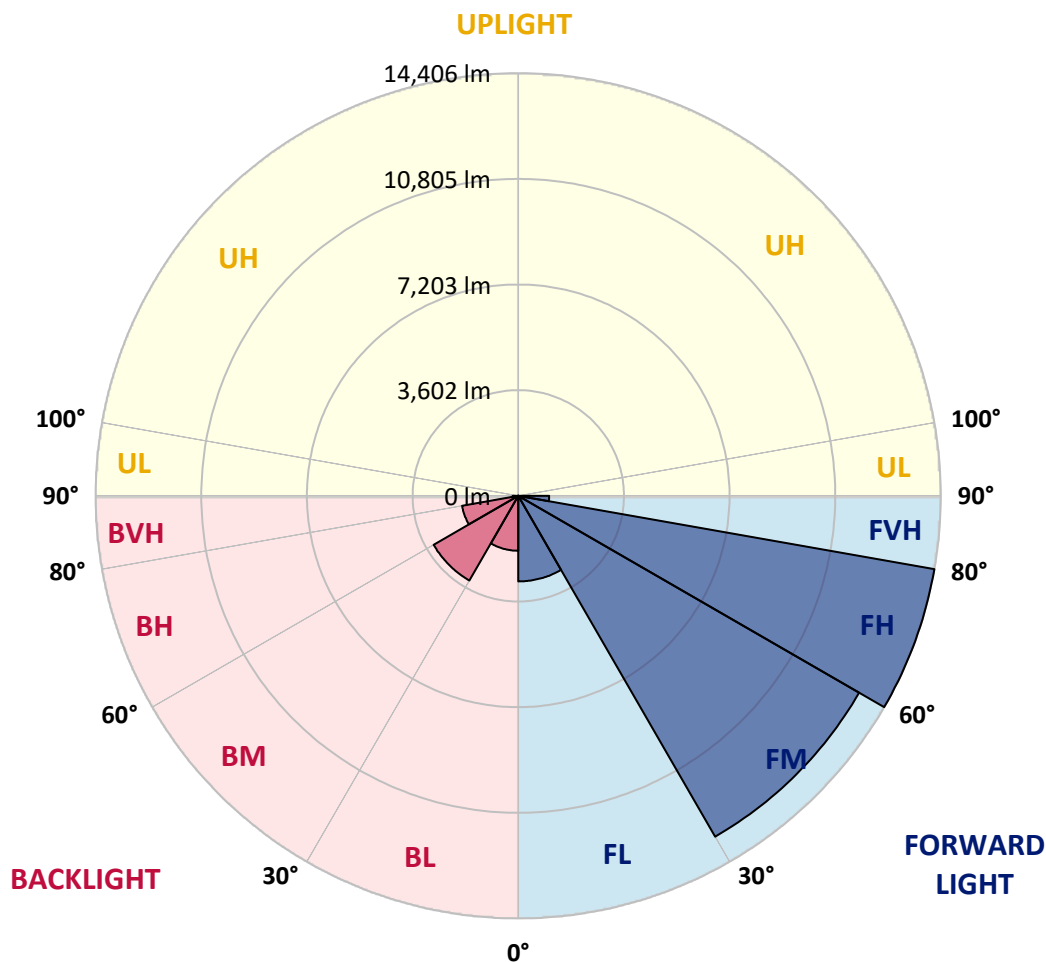
CATALOG NUMBER: GLAN-SB7B-735-U-SL3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2918.2  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 13418.1 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 14406.3 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1054.8  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 1873.2  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3331.9  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1944.8  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 190.6   | 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-G5**

Type IV Medium



REPORT NUMBER: P953826

CATALOG NUMBER: GLAN-SB7B-735-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  | 7183.7  |
| 2.5°  | 7244.7  | 7219.5  | 7244.7  | 7234.2  | 7230.0  | 7221.6  | 7223.7  | 7238.4  | 7230.0  | 7240.5  |
| 5°    | 7196.3  | 7181.6  | 7206.9  | 7200.5  | 7227.9  | 7232.1  | 7259.5  | 7276.3  | 7286.9  | 7289.0  |
| 7.5°  | 7116.3  | 7101.6  | 7137.4  | 7166.8  | 7225.8  | 7242.6  | 7299.5  | 7326.9  | 7341.6  | 7366.9  |
| 10°   | 6823.7  | 6817.3  | 6905.8  | 7017.4  | 7156.3  | 7242.6  | 7329.0  | 7375.3  | 7398.4  | 7465.8  |
| 12.5° | 6305.7  | 6314.2  | 6430.0  | 6644.7  | 6922.6  | 7200.5  | 7362.7  | 7430.0  | 7465.8  | 7550.0  |
| 15°   | 5811.0  | 5808.9  | 5935.2  | 6164.7  | 6554.2  | 7015.3  | 7379.5  | 7495.3  | 7556.4  | 7680.6  |
| 17.5° | 5524.6  | 5516.2  | 5604.6  | 5779.4  | 6141.5  | 6731.0  | 7337.4  | 7531.1  | 7661.6  | 7817.4  |
| 20°   | 5472.0  | 5455.1  | 5501.5  | 5587.8  | 5844.6  | 6419.4  | 7227.9  | 7531.1  | 7745.8  | 7948.0  |
| 22.5° | 5663.6  | 5636.2  | 5617.3  | 5606.7  | 5720.4  | 6162.6  | 7103.7  | 7505.8  | 7870.1  | 8135.3  |
| 25°   | 6048.9  | 6006.8  | 5909.9  | 5815.2  | 5781.5  | 6046.8  | 6994.2  | 7499.5  | 8055.3  | 8388.0  |
| 27.5° | 6672.1  | 6619.4  | 6423.6  | 6196.3  | 5992.0  | 6105.7  | 6945.8  | 7537.4  | 8259.6  | 8655.4  |
| 30°   | 7444.8  | 7387.9  | 7141.6  | 6792.1  | 6425.7  | 6324.7  | 7006.8  | 7649.0  | 8520.6  | 9011.2  |
| 32.5° | 8137.4  | 8074.3  | 7863.7  | 7507.9  | 7013.2  | 6703.7  | 7200.5  | 7861.6  | 8931.2  | 9506.0  |
| 35°   | 8752.2  | 8678.5  | 8489.1  | 8160.6  | 7733.2  | 7236.3  | 7550.0  | 8238.5  | 9514.4  | 10310.2 |
| 37.5° | 9354.4  | 9268.1  | 9061.7  | 8714.3  | 8415.4  | 7945.9  | 8032.2  | 8722.8  | 10289.2 | 11287.2 |
| 40°   | 10028.1 | 9903.9  | 9653.4  | 9310.2  | 9019.6  | 8777.5  | 8665.9  | 9316.5  | 11076.6 | 12377.8 |
| 42.5° | 10680.8 | 10562.9 | 10263.9 | 9971.3  | 9607.0  | 9537.6  | 9400.7  | 10011.3 | 11937.7 | 13575.7 |
| 45°   | 11384.0 | 11242.9 | 10880.8 | 10510.3 | 10280.8 | 10042.9 | 10112.3 | 10706.1 | 12782.0 | 14796.9 |
| 47.5° | 12043.0 | 11885.1 | 11457.7 | 11045.0 | 10918.7 | 10468.1 | 10765.0 | 11470.3 | 13660.0 | 16034.9 |
| 50°   | 12398.8 | 12243.0 | 11887.2 | 11514.5 | 11415.6 | 10992.4 | 11472.4 | 12310.4 | 14580.0 | 17268.7 |
| 52.5° | 12695.7 | 12527.2 | 12062.0 | 11855.6 | 11826.1 | 11563.0 | 12344.1 | 13270.5 | 15500.1 | 18359.3 |
| 55°   | 13011.5 | 12824.1 | 12230.4 | 12045.1 | 12179.9 | 12203.0 | 13377.8 | 14359.0 | 16472.8 | 19422.5 |
| 57.5° | 13375.7 | 13137.8 | 12392.5 | 12205.1 | 12525.1 | 12952.5 | 14565.3 | 15487.5 | 17428.7 | 20407.8 |
| 60°   | 13718.9 | 13478.9 | 12704.1 | 12459.9 | 12897.8 | 13822.1 | 15927.5 | 16853.9 | 18510.9 | 21285.8 |
| 62.5° | 13786.3 | 13588.4 | 12952.5 | 12950.4 | 13403.1 | 14836.9 | 17540.3 | 18232.9 | 19456.2 | 22153.2 |
| 65°   | 12619.9 | 12495.7 | 12118.8 | 12931.5 | 14127.4 | 16298.1 | 19336.2 | 19997.3 | 20658.4 | 22911.2 |
| 67.5° | 9604.9  | 9621.8  | 9594.4  | 11162.9 | 13542.1 | 18397.2 | 21936.4 | 21885.8 | 22142.7 | 23761.8 |
| 70°   | 4391.9  | 4490.9  | 5135.1  | 7705.8  | 10849.2 | 18639.3 | 26235.6 | 25580.9 | 24006.0 | 24862.9 |
| 72.5° | 2372.8  | 2448.6  | 2711.8  | 3732.9  | 6522.6  | 16571.8 | 29448.5 | 29913.8 | 26484.1 | 25604.0 |
| 75°   | 1741.2  | 1783.3  | 1966.5  | 2372.8  | 2739.2  | 12316.7 | 28296.8 | 30684.4 | 26793.6 | 23875.5 |
| 77.5° | 1303.3  | 1322.2  | 1471.7  | 1880.1  | 1402.2  | 6493.1  | 22610.1 | 25412.4 | 22936.4 | 19616.2 |
| 80°   | 945.3   | 966.4   | 1078.0  | 1410.6  | 983.2   | 2374.9  | 15525.4 | 17837.1 | 15708.5 | 12504.1 |
| 82.5° | 652.7   | 661.1   | 709.5   | 960.1   | 686.4   | 922.2   | 8809.1  | 10459.7 | 8769.1  | 4387.7  |
| 85°   | 393.7   | 404.2   | 425.3   | 560.0   | 389.5   | 437.9   | 3802.4  | 3932.9  | 2621.2  | 1048.5  |
| 87.5° | 162.1   | 172.6   | 189.5   | 235.8   | 153.7   | 122.1   | 627.4   | 787.4   | 490.6   | 307.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953826

CATALOG NUMBER: GLAN-SB7B-735-U-SL3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7183.7  | 0°    | 7183.7  | 7183.7 | 7183.7 | 7183.7 | 7183.7 | 7183.7 | 7183.7 | 7183.7 | 7183.7 | 7183.7 |
| 7204.7  | 2.5°  | 7194.2  | 7179.5 | 7139.5 | 7084.7 | 7034.2 | 6971.0 | 6943.7 | 6920.5 | 6899.5 | 6859.5 |
| 7261.6  | 5°    | 7238.4  | 7198.4 | 7091.1 | 6952.1 | 6794.2 | 6621.5 | 6453.1 | 6337.3 | 6238.4 | 6164.7 |
| 7326.9  | 7.5°  | 7305.8  | 7230.0 | 7034.2 | 6750.0 | 6387.8 | 6017.3 | 5682.5 | 5444.6 | 5265.7 | 5200.4 |
| 7419.5  | 10°   | 7375.3  | 7284.8 | 6943.7 | 6442.6 | 5817.3 | 5246.7 | 4802.5 | 4558.2 | 4415.1 | 4368.7 |
| 7529.0  | 12.5° | 7457.4  | 7324.8 | 6802.6 | 6015.2 | 5179.3 | 4554.0 | 4166.6 | 4023.5 | 3949.8 | 3924.5 |
| 7663.7  | 15°   | 7577.4  | 7358.4 | 6590.0 | 5480.4 | 4570.9 | 4048.7 | 3798.2 | 3699.2 | 3661.3 | 3659.2 |
| 7802.7  | 17.5° | 7667.9  | 7364.8 | 6259.4 | 4907.7 | 4103.5 | 3743.4 | 3537.1 | 3499.2 | 3524.5 | 3562.4 |
| 7939.5  | 20°   | 7769.0  | 7307.9 | 5825.7 | 4385.6 | 3775.0 | 3476.0 | 3389.7 | 3415.0 | 3476.0 | 3530.8 |
| 8120.6  | 22.5° | 7840.6  | 7204.7 | 5301.4 | 3979.2 | 3490.8 | 3322.4 | 3318.1 | 3370.8 | 3404.5 | 3431.8 |
| 8333.3  | 25°   | 7903.7  | 7030.0 | 4745.6 | 3638.2 | 3257.1 | 3229.7 | 3276.0 | 3259.2 | 3236.0 | 3259.2 |
| 8545.9  | 27.5° | 7950.1  | 6754.2 | 4248.7 | 3339.2 | 3092.9 | 3166.6 | 3139.2 | 3101.3 | 3099.2 | 3111.8 |
| 8796.4  | 30°   | 7935.3  | 6385.7 | 3840.3 | 3055.0 | 2977.1 | 3048.6 | 2983.4 | 2977.1 | 2970.7 | 2977.1 |
| 9173.3  | 32.5° | 7935.3  | 5966.8 | 3526.6 | 2859.2 | 2903.4 | 2876.0 | 2869.7 | 2854.9 | 2829.7 | 2827.6 |
| 9684.9  | 35°   | 7979.5  | 5547.8 | 3257.1 | 2753.9 | 2842.3 | 2777.0 | 2781.3 | 2745.5 | 2692.8 | 2667.6 |
| 10362.9 | 37.5° | 8070.1  | 5210.9 | 2989.7 | 2703.4 | 2734.9 | 2732.8 | 2716.0 | 2654.9 | 2562.3 | 2482.3 |
| 11209.3 | 40°   | 8289.0  | 5112.0 | 2806.5 | 2680.2 | 2684.4 | 2709.7 | 2665.5 | 2547.6 | 2337.0 | 2206.5 |
| 12068.3 | 42.5° | 8632.2  | 5278.3 | 2766.5 | 2623.4 | 2650.7 | 2676.0 | 2589.7 | 2316.0 | 2166.5 | 2088.6 |
| 12969.4 | 45°   | 9068.0  | 5568.8 | 2852.8 | 2541.2 | 2570.7 | 2614.9 | 2358.1 | 2227.5 | 2160.2 | 2162.3 |
| 13862.1 | 47.5° | 9619.7  | 5874.1 | 3012.9 | 2469.7 | 2454.9 | 2480.2 | 2204.4 | 2124.4 | 2031.7 | 2054.9 |
| 14719.0 | 50°   | 10257.6 | 6183.6 | 3164.4 | 2372.8 | 2326.5 | 2244.4 | 2105.4 | 2029.6 | 1911.7 | 1857.0 |
| 15546.4 | 52.5° | 10948.2 | 6482.6 | 3225.5 | 2254.9 | 2187.5 | 2092.8 | 2038.0 | 1945.4 | 1802.2 | 1711.7 |
| 16327.5 | 55°   | 11603.0 | 6754.2 | 3158.1 | 2113.8 | 2048.6 | 1974.9 | 1966.5 | 1909.6 | 1755.9 | 1629.6 |
| 17022.3 | 57.5° | 12222.0 | 6981.6 | 2989.7 | 1970.7 | 1907.5 | 1863.3 | 1920.1 | 1892.8 | 1699.1 | 1537.0 |
| 17679.2 | 60°   | 12746.2 | 7137.4 | 2745.5 | 1825.4 | 1781.2 | 1758.0 | 1844.3 | 1835.9 | 1619.1 | 1438.0 |
| 18268.7 | 62.5° | 13163.1 | 7198.4 | 2476.0 | 1686.4 | 1675.9 | 1633.8 | 1739.1 | 1739.1 | 1518.0 | 1341.2 |
| 18786.7 | 65°   | 13489.4 | 7139.5 | 2202.3 | 1549.6 | 1570.6 | 1507.5 | 1610.6 | 1598.0 | 1410.6 | 1254.8 |
| 19382.5 | 67.5° | 13777.9 | 6945.8 | 1899.1 | 1414.8 | 1463.3 | 1383.3 | 1475.9 | 1446.4 | 1292.7 | 1168.5 |
| 19898.3 | 70°   | 13906.3 | 6495.2 | 1553.8 | 1280.1 | 1339.0 | 1261.1 | 1341.2 | 1286.4 | 1160.1 | 1075.9 |
| 19332.0 | 72.5° | 12874.6 | 5398.3 | 1223.2 | 1139.0 | 1189.6 | 1126.4 | 1195.9 | 1132.7 | 1016.9 | 979.0  |
| 16693.9 | 75°   | 10651.3 | 4050.8 | 941.1  | 985.3  | 1023.2 | 974.8  | 1021.1 | 974.8  | 869.5  | 896.9  |
| 12331.4 | 77.5° | 7735.3  | 2734.9 | 720.1  | 823.2  | 840.1  | 814.8  | 854.8  | 802.2  | 707.4  | 701.1  |
| 6145.7  | 80°   | 3846.6  | 1602.2 | 564.3  | 650.6  | 644.3  | 627.4  | 673.7  | 648.5  | 568.5  | 602.2  |
| 1659.1  | 82.5° | 1113.8  | 686.4  | 410.6  | 456.9  | 444.2  | 448.5  | 482.1  | 494.8  | 741.1  | 734.8  |
| 515.8   | 85°   | 349.5   | 269.5  | 246.3  | 254.8  | 242.1  | 248.4  | 284.2  | 564.3  | 522.1  | 305.3  |
| 160.0   | 87.5° | 90.5    | 92.6   | 61.1   | 65.3   | 67.4   | 80.0   | 90.5   | 343.2  | 164.2  | 107.4  |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 7183.7 |
| 6840.5 |
| 6103.6 |
| 5086.7 |
| 4297.2 |
| 3930.8 |
| 3667.6 |
| 3577.1 |
| 3549.7 |
| 3446.6 |
| 3273.9 |
| 3132.9 |
| 3000.2 |
| 2854.9 |
| 2692.8 |
| 2509.7 |
| 2223.3 |
| 2088.6 |
| 2172.8 |
| 2113.8 |
| 1871.7 |
| 1709.6 |
| 1629.6 |
| 1528.5 |
| 1431.7 |
| 1334.8 |
| 1246.4 |
| 1160.1 |
| 1059.0 |
| 947.4  |
| 819.0  |
| 669.5  |
| 595.8  |
| 751.6  |
| 330.6  |
| 113.7  |
| 0.0    |