

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: P953427

Luminaire Tested: **GLAN-SB7A-727-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953427  
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-SB7A-727-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 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: 28919 lumens  
Efficiency: N/A  
Efficacy: 145.2 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): 199.1  
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

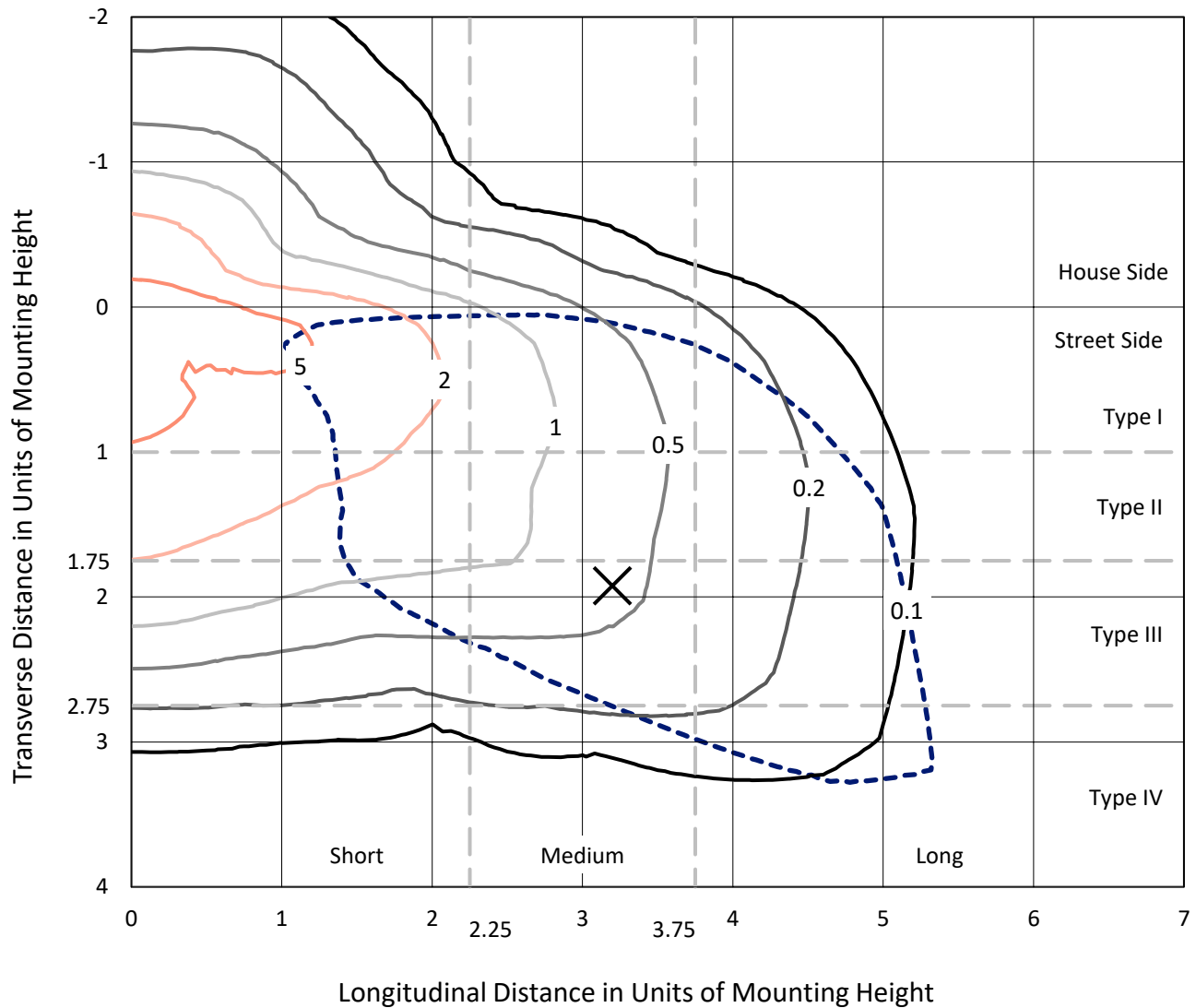


REPORT NUMBER: P953427

CATALOG NUMBER: GLAN-SB7A-727-U-SL3

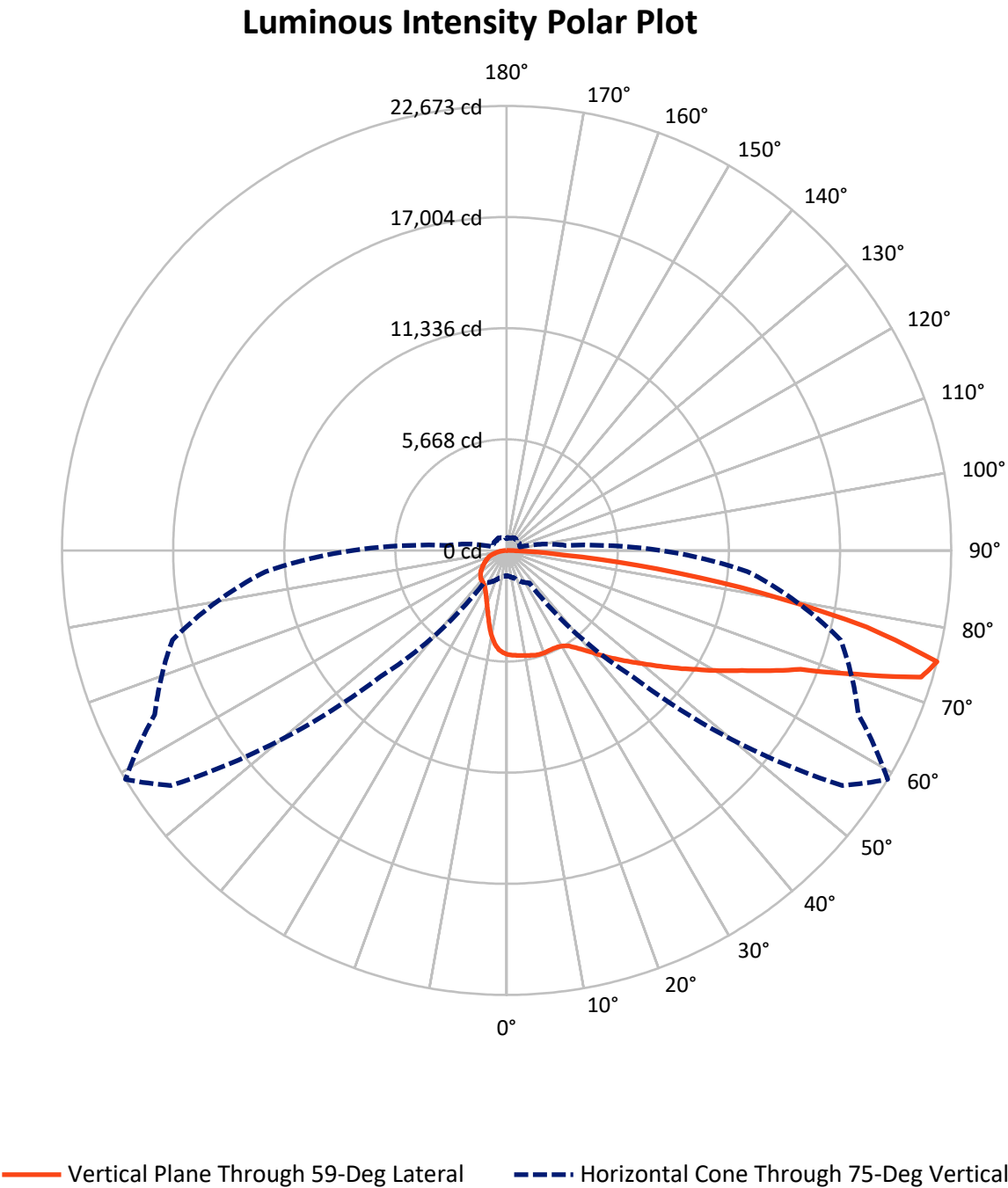
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
Type IV - Medium - N/A

REPORT NUMBER: P953427  
CATALOG NUMBER: GLAN-SB7A-727-U-SL3



REPORT NUMBER: P953427

CATALOG NUMBER: GLAN-SB7A-727-U-SL3

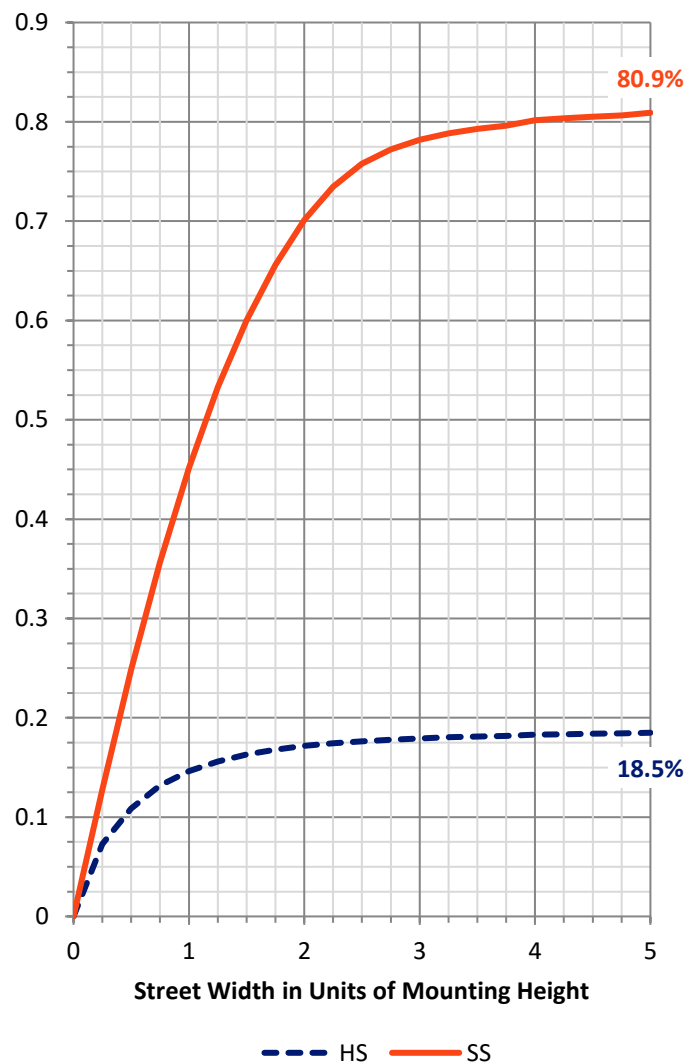
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5424.0   | 0.0    | 5424.0  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 23495.0  | 0.0    | 23495.0 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 28919.0  | 0.0    | 28919.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 475.9   | 1.6       |
| 10°-20°   | 1216.6  | 4.2       |
| 20°-30°   | 1847.9  | 6.4       |
| 30°-40°   | 2746.8  | 9.5       |
| 40°-50°   | 4085.0  | 14.1      |
| 50°-60°   | 5544.8  | 19.2      |
| 60°-70°   | 6769.3  | 23.4      |
| 70°-80°   | 5312.5  | 18.4      |
| 80°-90°   | 920.3   | 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°    | 28919.0 | 100.0     |
| 0°-180°   | 28919.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953427

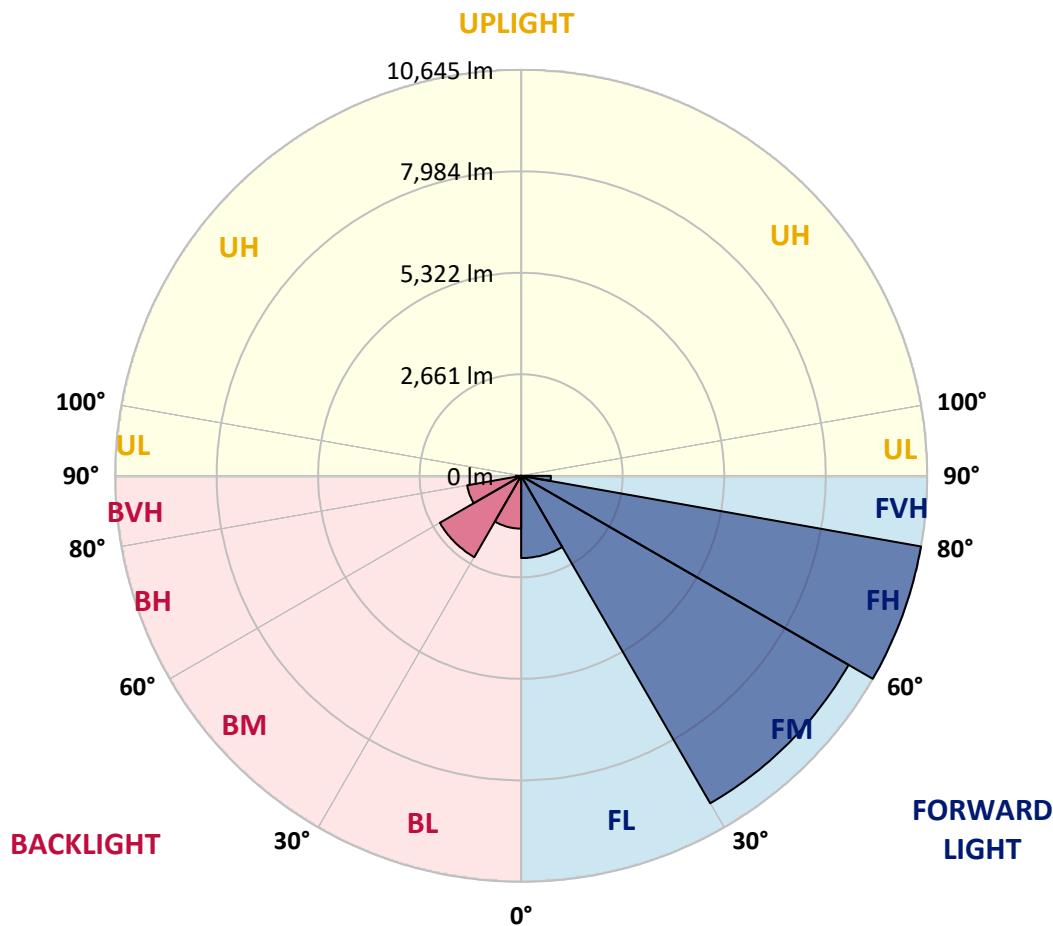
CATALOG NUMBER: GLAN-SB7A-727-U-SL3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2156.2  | 7.5       |                         |      |          |
| FM   | (30°-60°)   | 9914.6  | 34.3      |                         |      |          |
| FH   | (60°-80°)   | 10644.8 | 36.8      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 779.4   | 2.7       |                         |      | G5       |
| BL   | (0°-30°)    | 1384.1  | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2461.9  | 8.5       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1437.0  | 5.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 140.9   | 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: P953427

CATALOG NUMBER: GLAN-SB7A-727-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 5308.0  | 5308.0  | 5308.0 | 5308.0 | 5308.0  | 5308.0  | 5308.0  | 5308.0  | 5308.0  | 5308.0  |
| 2.5°  | 5353.1  | 5334.5  | 5353.1 | 5345.4 | 5342.2  | 5336.0  | 5337.6  | 5348.5  | 5342.2  | 5350.0  |
| 5°    | 5317.4  | 5306.5  | 5325.1 | 5320.5 | 5340.7  | 5343.8  | 5364.0  | 5376.5  | 5384.2  | 5385.8  |
| 7.5°  | 5258.2  | 5247.3  | 5273.8 | 5295.6 | 5339.1  | 5351.6  | 5393.6  | 5413.8  | 5424.7  | 5443.4  |
| 10°   | 5042.0  | 5037.3  | 5102.7 | 5185.1 | 5287.8  | 5351.6  | 5415.4  | 5449.6  | 5466.7  | 5516.5  |
| 12.5° | 4659.3  | 4665.5  | 4751.1 | 4909.8 | 5115.1  | 5320.5  | 5440.3  | 5490.0  | 5516.5  | 5578.7  |
| 15°   | 4293.7  | 4292.2  | 4385.5 | 4555.1 | 4842.9  | 5183.6  | 5452.7  | 5538.3  | 5583.4  | 5675.2  |
| 17.5° | 4082.1  | 4075.9  | 4141.2 | 4270.4 | 4538.0  | 4973.5  | 5421.6  | 5564.7  | 5661.2  | 5776.3  |
| 20°   | 4043.2  | 4030.8  | 4065.0 | 4128.8 | 4318.6  | 4743.3  | 5340.7  | 5564.7  | 5723.4  | 5872.7  |
| 22.5° | 4184.8  | 4164.6  | 4150.6 | 4142.8 | 4226.8  | 4553.5  | 5248.9  | 5546.0  | 5815.2  | 6011.2  |
| 25°   | 4469.5  | 4438.4  | 4366.8 | 4296.8 | 4271.9  | 4467.9  | 5168.0  | 5541.4  | 5952.1  | 6197.9  |
| 27.5° | 4930.0  | 4891.1  | 4746.4 | 4578.4 | 4427.5  | 4511.5  | 5132.2  | 5569.4  | 6103.0  | 6395.4  |
| 30°   | 5500.9  | 5458.9  | 5276.9 | 5018.7 | 4748.0  | 4673.3  | 5177.3  | 5651.8  | 6295.9  | 6658.4  |
| 32.5° | 6012.7  | 5966.1  | 5810.5 | 5547.6 | 5182.0  | 4953.3  | 5320.5  | 5809.0  | 6599.2  | 7023.9  |
| 35°   | 6467.0  | 6412.6  | 6272.5 | 6029.9 | 5714.1  | 5346.9  | 5578.7  | 6087.4  | 7030.2  | 7618.2  |
| 37.5° | 6911.9  | 6848.2  | 6695.7 | 6439.0 | 6218.1  | 5871.2  | 5935.0  | 6445.2  | 7602.7  | 8340.1  |
| 40°   | 7409.8  | 7318.0  | 7132.8 | 6879.3 | 6664.6  | 6485.7  | 6403.2  | 6883.9  | 8184.5  | 9145.9  |
| 42.5° | 7892.0  | 7804.9  | 7584.0 | 7367.8 | 7098.6  | 7047.3  | 6946.2  | 7397.3  | 8820.8  | 10031.1 |
| 45°   | 8411.6  | 8307.4  | 8039.8 | 7766.0 | 7596.4  | 7420.6  | 7472.0  | 7910.7  | 9444.6  | 10933.4 |
| 47.5° | 8898.6  | 8781.9  | 8466.1 | 8161.2 | 8067.8  | 7734.9  | 7954.2  | 8475.4  | 10093.3 | 11848.1 |
| 50°   | 9161.5  | 9046.3  | 8783.4 | 8508.1 | 8435.0  | 8122.3  | 8477.0  | 9096.1  | 10773.2 | 12759.8 |
| 52.5° | 9380.8  | 9256.4  | 8912.6 | 8760.1 | 8738.3  | 8543.9  | 9121.0  | 9805.5  | 11453.0 | 13565.6 |
| 55°   | 9614.2  | 9475.7  | 9037.0 | 8900.1 | 8999.7  | 9016.8  | 9884.9  | 10609.8 | 12171.7 | 14351.3 |
| 57.5° | 9883.3  | 9707.5  | 9156.8 | 9018.3 | 9254.8  | 9570.6  | 10762.3 | 11443.7 | 12878.0 | 15079.3 |
| 60°   | 10136.9 | 9959.5  | 9387.0 | 9206.6 | 9530.2  | 10213.1 | 11768.8 | 12453.3 | 13677.6 | 15728.0 |
| 62.5° | 10186.7 | 10040.4 | 9570.6 | 9569.1 | 9903.5  | 10963.0 | 12960.5 | 13472.3 | 14376.1 | 16369.0 |
| 65°   | 9324.8  | 9233.0  | 8954.6 | 9555.1 | 10438.7 | 12042.6 | 14287.5 | 14776.0 | 15264.4 | 16929.0 |
| 67.5° | 7097.1  | 7109.5  | 7089.3 | 8248.3 | 10006.2 | 13593.6 | 16208.7 | 16171.4 | 16361.2 | 17557.5 |
| 70°   | 3245.2  | 3318.3  | 3794.3 | 5693.8 | 8016.5  | 13772.5 | 19385.5 | 18901.6 | 17738.0 | 18371.2 |
| 72.5° | 1753.3  | 1809.3  | 2003.7 | 2758.2 | 4819.5  | 12244.8 | 21759.5 | 22103.3 | 19569.0 | 18918.8 |
| 75°   | 1286.6  | 1317.7  | 1453.0 | 1753.3 | 2024.0  | 9100.8  | 20908.5 | 22672.6 | 19797.7 | 17641.5 |
| 77.5° | 963.0   | 977.0   | 1087.4 | 1389.2 | 1036.1  | 4797.8  | 16706.6 | 18777.2 | 16947.7 | 14494.4 |
| 80°   | 698.5   | 714.1   | 796.5  | 1042.3 | 726.5   | 1754.8  | 11471.7 | 13179.8 | 11607.0 | 9239.2  |
| 82.5° | 482.3   | 488.5   | 524.3  | 709.4  | 507.2   | 681.4   | 6509.0  | 7728.7  | 6479.5  | 3242.1  |
| 85°   | 290.9   | 298.7   | 314.2  | 413.8  | 287.8   | 323.6   | 2809.6  | 2906.0  | 1936.8  | 774.7   |
| 87.5° | 119.8   | 127.6   | 140.0  | 174.2  | 113.6   | 90.2    | 463.6   | 581.8   | 362.5   | 227.1   |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953427

CATALOG NUMBER: GLAN-SB7A-727-U-SL3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5308.0  | 0°    | 5308.0  | 5308.0 | 5308.0 | 5308.0 | 5308.0 | 5308.0 | 5308.0 | 5308.0 | 5308.0 | 5308.0 |
| 5323.6  | 2.5°  | 5315.8  | 5304.9 | 5275.3 | 5234.9 | 5197.6 | 5150.9 | 5130.7 | 5113.6 | 5098.0 | 5068.4 |
| 5365.6  | 5°    | 5348.5  | 5318.9 | 5239.6 | 5136.9 | 5020.2 | 4892.6 | 4768.2 | 4682.6 | 4609.5 | 4555.1 |
| 5413.8  | 7.5°  | 5398.2  | 5342.2 | 5197.6 | 4987.5 | 4720.0 | 4446.2 | 4198.8 | 4023.0 | 3890.8 | 3842.6 |
| 5482.3  | 10°   | 5449.6  | 5382.7 | 5130.7 | 4760.4 | 4298.4 | 3876.8 | 3548.5 | 3368.1 | 3262.3 | 3228.1 |
| 5563.2  | 12.5° | 5510.3  | 5412.2 | 5026.4 | 4444.6 | 3827.0 | 3365.0 | 3078.7 | 2972.9 | 2918.5 | 2899.8 |
| 5662.7  | 15°   | 5598.9  | 5437.1 | 4869.3 | 4049.5 | 3377.4 | 2991.6 | 2806.5 | 2733.3 | 2705.3 | 2703.8 |
| 5765.4  | 17.5° | 5665.8  | 5441.8 | 4625.1 | 3626.3 | 3032.0 | 2766.0 | 2613.6 | 2585.6 | 2604.2 | 2632.2 |
| 5866.5  | 20°   | 5740.5  | 5399.8 | 4304.6 | 3240.5 | 2789.4 | 2568.4 | 2504.7 | 2523.3 | 2568.4 | 2608.9 |
| 6000.3  | 22.5° | 5793.4  | 5323.6 | 3917.2 | 2940.3 | 2579.3 | 2454.9 | 2451.8 | 2490.7 | 2515.6 | 2535.8 |
| 6157.4  | 25°   | 5840.1  | 5194.5 | 3506.5 | 2688.2 | 2406.7 | 2386.4 | 2420.7 | 2408.2 | 2391.1 | 2408.2 |
| 6314.6  | 27.5° | 5874.3  | 4990.7 | 3139.4 | 2467.3 | 2285.3 | 2339.8 | 2319.5 | 2291.5 | 2290.0 | 2299.3 |
| 6499.7  | 30°   | 5863.4  | 4718.4 | 2837.6 | 2257.3 | 2199.7 | 2252.6 | 2204.4 | 2199.7 | 2195.1 | 2199.7 |
| 6778.1  | 32.5° | 5863.4  | 4408.8 | 2605.8 | 2112.6 | 2145.3 | 2125.1 | 2120.4 | 2109.5 | 2090.8 | 2089.3 |
| 7156.2  | 35°   | 5896.1  | 4099.2 | 2406.7 | 2034.8 | 2100.2 | 2052.0 | 2055.1 | 2028.6 | 1989.7 | 1971.1 |
| 7657.1  | 37.5° | 5963.0  | 3850.3 | 2209.1 | 1997.5 | 2020.8 | 2019.3 | 2006.8 | 1961.7 | 1893.3 | 1834.2 |
| 8282.5  | 40°   | 6124.8  | 3777.2 | 2073.7 | 1980.4 | 1983.5 | 2002.2 | 1969.5 | 1882.4 | 1726.8 | 1630.4 |
| 8917.2  | 42.5° | 6378.3  | 3900.1 | 2044.2 | 1938.4 | 1958.6 | 1977.3 | 1913.5 | 1711.3 | 1600.8 | 1543.2 |
| 9583.1  | 45°   | 6700.4  | 4114.8 | 2108.0 | 1877.7 | 1899.5 | 1932.2 | 1742.4 | 1645.9 | 1596.1 | 1597.7 |
| 10242.7 | 47.5° | 7108.0  | 4340.4 | 2226.2 | 1824.8 | 1813.9 | 1832.6 | 1628.8 | 1569.7 | 1501.2 | 1518.4 |
| 10875.8 | 50°   | 7579.3  | 4569.1 | 2338.2 | 1753.3 | 1719.0 | 1658.4 | 1555.7 | 1499.7 | 1412.6 | 1372.1 |
| 11487.2 | 52.5° | 8089.6  | 4790.0 | 2383.3 | 1666.1 | 1616.4 | 1546.4 | 1505.9 | 1437.5 | 1331.7 | 1264.8 |
| 12064.4 | 55°   | 8573.4  | 4990.7 | 2333.5 | 1561.9 | 1513.7 | 1459.2 | 1453.0 | 1411.0 | 1297.4 | 1204.1 |
| 12577.8 | 57.5° | 9030.8  | 5158.7 | 2209.1 | 1456.1 | 1409.5 | 1376.8 | 1418.8 | 1398.6 | 1255.4 | 1135.7 |
| 13063.1 | 60°   | 9418.2  | 5273.8 | 2028.6 | 1348.8 | 1316.1 | 1299.0 | 1362.8 | 1356.6 | 1196.3 | 1062.5 |
| 13498.7 | 62.5° | 9726.2  | 5318.9 | 1829.5 | 1246.1 | 1238.3 | 1207.2 | 1285.0 | 1285.0 | 1121.7 | 991.0  |
| 13881.4 | 65°   | 9967.3  | 5275.3 | 1627.3 | 1145.0 | 1160.5 | 1113.9 | 1190.1 | 1180.8 | 1042.3 | 927.2  |
| 14321.7 | 67.5° | 10180.4 | 5132.2 | 1403.2 | 1045.4 | 1081.2 | 1022.1 | 1090.5 | 1068.8 | 955.2  | 863.4  |
| 14702.8 | 70°   | 10275.3 | 4799.3 | 1148.1 | 945.9  | 989.4  | 931.9  | 991.0  | 950.5  | 857.2  | 795.0  |
| 14284.4 | 72.5° | 9513.1  | 3988.8 | 903.9  | 841.6  | 879.0  | 832.3  | 883.6  | 837.0  | 751.4  | 723.4  |
| 12335.1 | 75°   | 7870.2  | 2993.1 | 695.4  | 728.1  | 756.1  | 720.3  | 754.5  | 720.3  | 642.5  | 662.7  |
| 9111.7  | 77.5° | 5715.6  | 2020.8 | 532.0  | 608.3  | 620.7  | 602.1  | 631.6  | 592.7  | 522.7  | 518.0  |
| 4541.1  | 80°   | 2842.2  | 1183.9 | 416.9  | 480.7  | 476.0  | 463.6  | 497.8  | 479.2  | 420.0  | 444.9  |
| 1225.9  | 82.5° | 823.0   | 507.2  | 303.4  | 337.6  | 328.3  | 331.4  | 356.3  | 365.6  | 547.6  | 542.9  |
| 381.1   | 85°   | 258.2   | 199.1  | 182.0  | 188.2  | 178.9  | 183.6  | 210.0  | 416.9  | 385.8  | 225.6  |
| 118.2   | 87.5° | 66.9    | 68.5   | 45.1   | 48.2   | 49.8   | 59.1   | 66.9   | 253.6  | 121.3  | 79.3   |
| 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°   |
|--------|
| 5308.0 |
| 5054.4 |
| 4509.9 |
| 3758.5 |
| 3175.2 |
| 2904.5 |
| 2710.0 |
| 2643.1 |
| 2622.9 |
| 2546.7 |
| 2419.1 |
| 2314.9 |
| 2216.9 |
| 2109.5 |
| 1989.7 |
| 1854.4 |
| 1642.8 |
| 1543.2 |
| 1605.5 |
| 1561.9 |
| 1383.0 |
| 1263.2 |
| 1204.1 |
| 1129.4 |
| 1057.9 |
| 986.3  |
| 921.0  |
| 857.2  |
| 782.5  |
| 700.1  |
| 605.2  |
| 494.7  |
| 440.3  |
| 555.4  |
| 244.2  |
| 84.0   |
| 0.0    |

F REPORT)