

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: P954750

Luminaire Tested: **GLAN-SB7D-930-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954750  
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-SB7D-930-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49202 lumens  
Efficiency: N/A  
Efficacy: 95.9 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

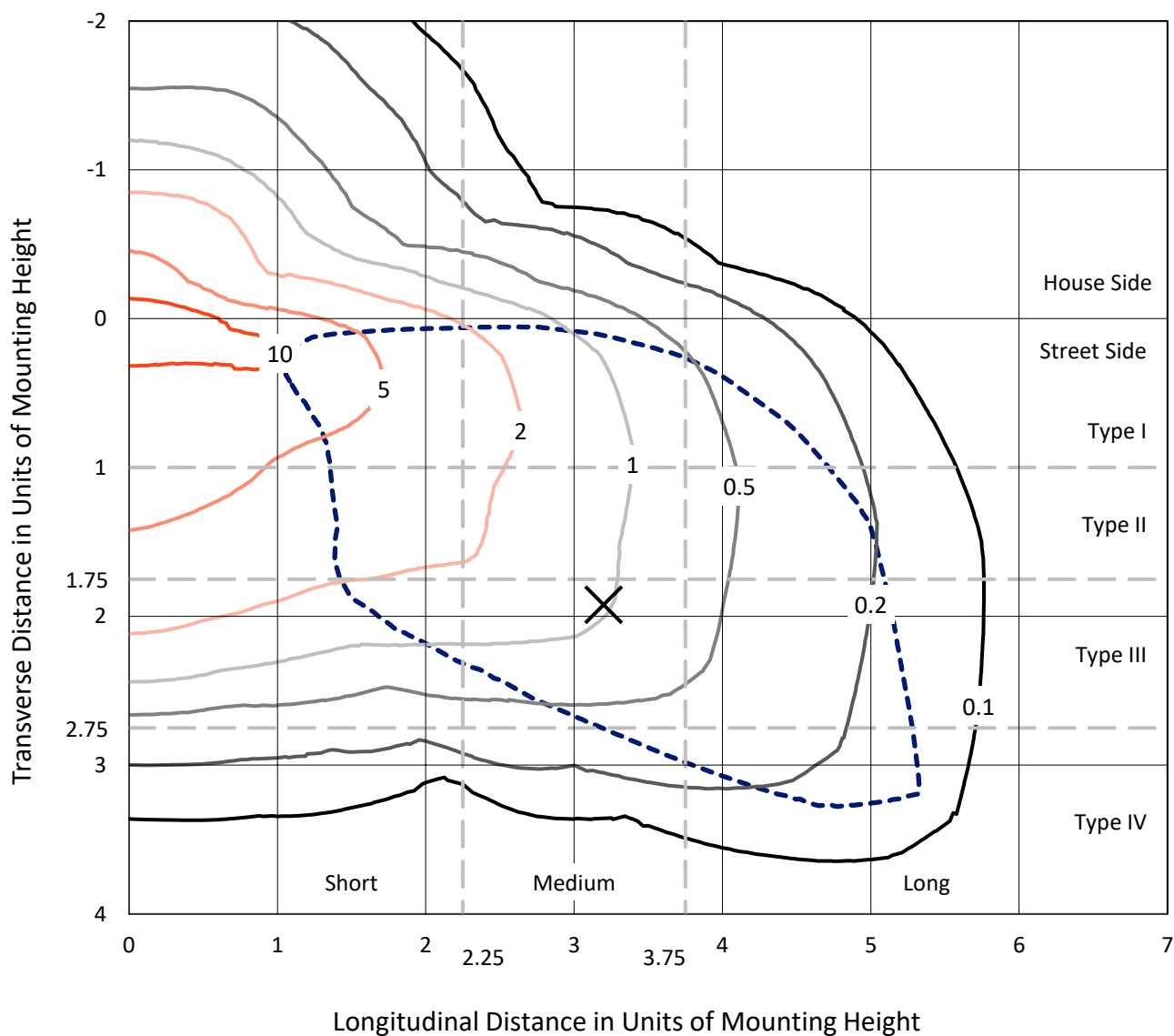
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P954750  
CATALOG NUMBER: GLAN-SB7D-930-U-SL3

## Iso-Footcandle Lines of Horizontal Illumination

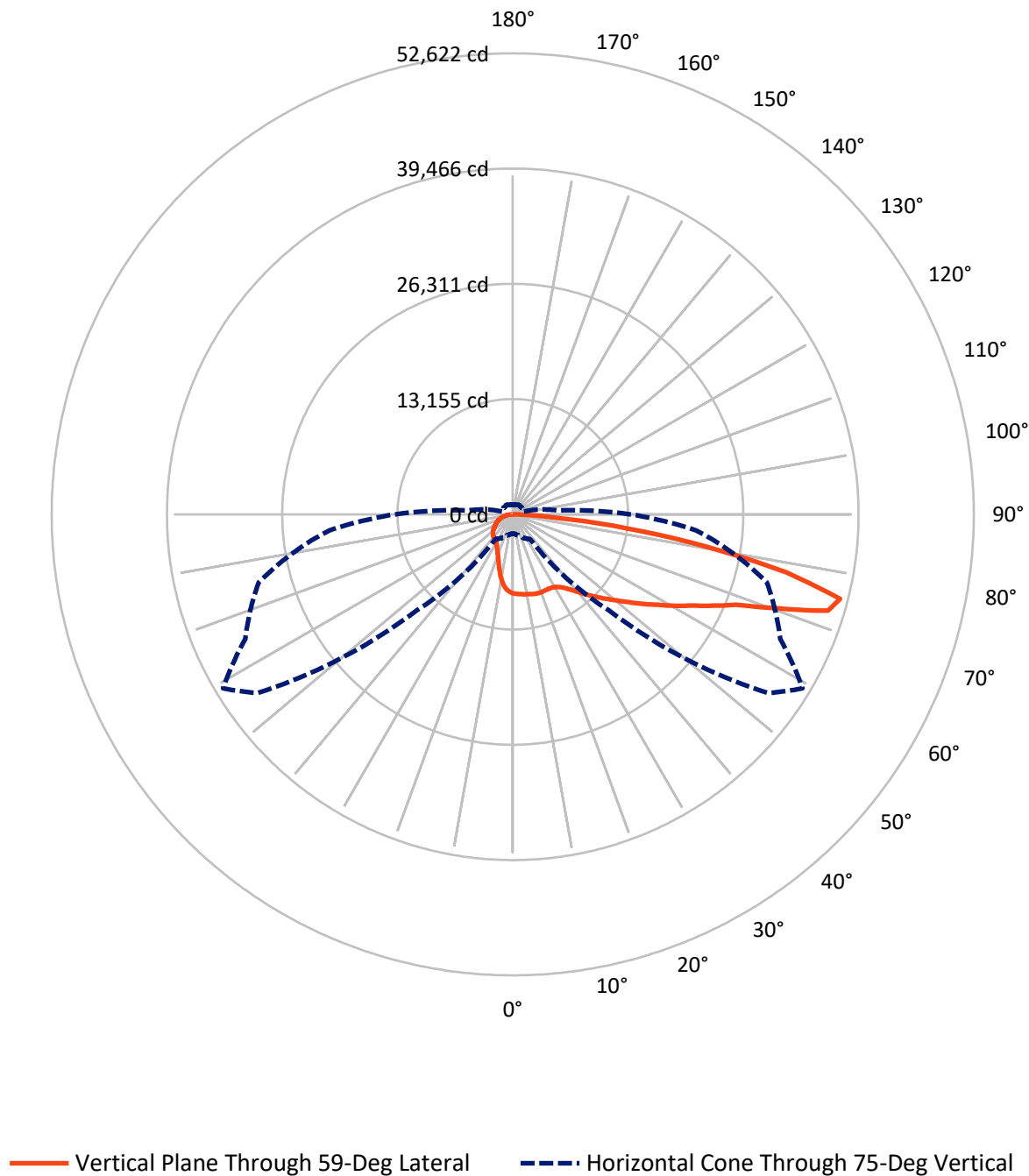
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc  
Type IV - Medium - N/A

REPORT NUMBER: P954750  
CATALOG NUMBER: GLAN-SB7D-930-U-SL3

## Luminous Intensity Polar Plot



REPORT NUMBER: P954750

CATALOG NUMBER: GLAN-SB7D-930-U-SL3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9228.2   | 0.0    | 9228.2  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 39973.8  | 0.0    | 39973.8 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 49202.0  | 0.0    | 49202.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 809.8   | 1.6       |
| 10°-20°   | 2069.8  | 4.2       |
| 20°-30°   | 3143.9  | 6.4       |
| 30°-40°   | 4673.3  | 9.5       |
| 40°-50°   | 6950.0  | 14.1      |
| 50°-60°   | 9433.8  | 19.2      |
| 60°-70°   | 11517.2 | 23.4      |
| 70°-80°   | 9038.5  | 18.4      |
| 80°-90°   | 1565.7  | 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°    | 49202.0 | 100.0     |
| 0°-180°   | 49202.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P954750

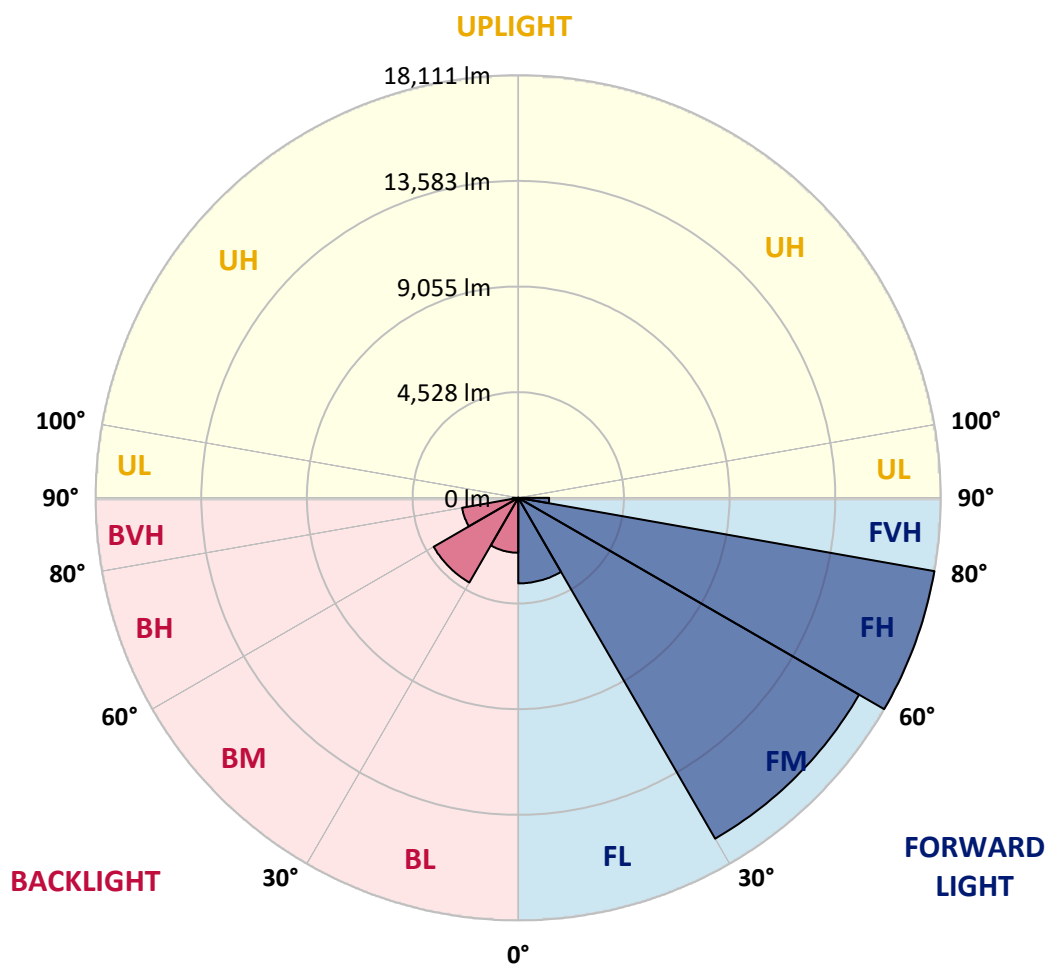
CATALOG NUMBER: GLAN-SB7D-930-U-SL3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3668.5  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 16868.5 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 18110.8 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1326.0  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 2354.9  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4188.7  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2444.9  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 239.7   | 0.5       |                         |      | G3/500  |
| 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: P954750

CATALOG NUMBER: GLAN-SB7D-930-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  | 9030.9  |
| 2.5°  | 9107.7  | 9075.9  | 9107.7  | 9094.4  | 9089.1  | 9078.6  | 9081.2  | 9099.7  | 9089.1  | 9102.4  |
| 5°    | 9046.8  | 9028.3  | 9060.0  | 9052.1  | 9086.5  | 9091.8  | 9126.2  | 9147.4  | 9160.6  | 9163.3  |
| 7.5°  | 8946.2  | 8927.7  | 8972.7  | 9009.7  | 9083.9  | 9105.0  | 9176.5  | 9210.9  | 9229.4  | 9261.2  |
| 10°   | 8578.3  | 8570.4  | 8681.5  | 8821.8  | 8996.5  | 9105.0  | 9213.5  | 9271.8  | 9300.9  | 9385.6  |
| 12.5° | 7927.2  | 7937.8  | 8083.4  | 8353.3  | 8702.7  | 9052.1  | 9255.9  | 9340.6  | 9385.6  | 9491.5  |
| 15°   | 7305.2  | 7302.6  | 7461.4  | 7749.9  | 8239.5  | 8819.2  | 9277.1  | 9422.6  | 9499.4  | 9655.6  |
| 17.5° | 6945.2  | 6934.6  | 7045.8  | 7265.5  | 7720.7  | 8461.9  | 9224.1  | 9467.6  | 9631.7  | 9827.6  |
| 20°   | 6879.1  | 6857.9  | 6916.1  | 7024.6  | 7347.5  | 8070.1  | 9086.5  | 9467.6  | 9737.6  | 9991.7  |
| 22.5° | 7119.9  | 7085.5  | 7061.7  | 7048.5  | 7191.4  | 7747.2  | 8930.3  | 9435.9  | 9893.8  | 10227.3 |
| 25°   | 7604.3  | 7551.4  | 7429.6  | 7310.5  | 7268.1  | 7601.6  | 8792.7  | 9427.9  | 10126.7 | 10544.9 |
| 27.5° | 8387.7  | 8321.6  | 8075.4  | 7789.6  | 7532.8  | 7675.8  | 8731.8  | 9475.6  | 10383.4 | 10881.0 |
| 30°   | 9359.1  | 9287.7  | 8978.0  | 8538.6  | 8078.1  | 7951.0  | 8808.6  | 9615.9  | 10711.6 | 11328.3 |
| 32.5° | 10229.9 | 10150.5 | 9885.8  | 9438.5  | 8816.5  | 8427.4  | 9052.1  | 9883.2  | 11227.8 | 11950.3 |
| 35°   | 11002.8 | 10910.2 | 10671.9 | 10259.0 | 9721.7  | 9097.1  | 9491.5  | 10357.0 | 11960.9 | 12961.4 |
| 37.5° | 11759.8 | 11651.3 | 11391.9 | 10955.1 | 10579.3 | 9989.1  | 10097.6 | 10965.7 | 12935.0 | 14189.6 |
| 40°   | 12606.8 | 12450.6 | 12135.6 | 11704.2 | 11338.9 | 11034.6 | 10894.3 | 11712.1 | 13924.9 | 15560.6 |
| 42.5° | 13427.3 | 13279.0 | 12903.2 | 12535.3 | 12077.4 | 11990.1 | 11818.0 | 12585.6 | 15007.4 | 17066.6 |
| 45°   | 14311.3 | 14134.0 | 13678.7 | 13212.9 | 12924.4 | 12625.3 | 12712.6 | 13459.0 | 16068.8 | 18601.8 |
| 47.5° | 15139.8 | 14941.2 | 14403.9 | 13885.2 | 13726.4 | 13159.9 | 13533.1 | 14419.8 | 17172.5 | 20158.1 |
| 50°   | 15587.1 | 15391.2 | 14943.9 | 14475.4 | 14351.0 | 13819.0 | 14422.5 | 15475.9 | 18329.2 | 21709.1 |
| 52.5° | 15960.3 | 15748.5 | 15163.6 | 14904.2 | 14867.1 | 14536.3 | 15518.3 | 16682.8 | 19485.8 | 23080.2 |
| 55°   | 16357.3 | 16121.7 | 15375.3 | 15142.4 | 15311.8 | 15340.9 | 16817.8 | 18051.2 | 20708.6 | 24416.8 |
| 57.5° | 16815.2 | 16516.1 | 15579.1 | 15343.6 | 15745.9 | 16283.2 | 18310.6 | 19469.9 | 21910.3 | 25655.5 |
| 60°   | 17246.6 | 16944.9 | 15970.9 | 15663.8 | 16214.4 | 17376.3 | 20023.1 | 21187.7 | 23270.8 | 26759.3 |
| 62.5° | 17331.3 | 17082.5 | 16283.2 | 16280.5 | 16849.6 | 18652.1 | 22050.6 | 22921.4 | 24459.2 | 27849.7 |
| 65°   | 15865.0 | 15708.8 | 15235.0 | 16256.7 | 17760.1 | 20489.0 | 24308.3 | 25139.4 | 25970.5 | 28802.6 |
| 67.5° | 12074.7 | 12095.9 | 12061.5 | 14033.4 | 17024.3 | 23127.8 | 27577.1 | 27513.6 | 27836.5 | 29871.9 |
| 70°   | 5521.2  | 5645.6  | 6455.6  | 9687.3  | 13639.0 | 23432.2 | 32981.9 | 32158.7 | 30178.9 | 31256.2 |
| 72.5° | 2983.0  | 3078.2  | 3409.1  | 4692.8  | 8199.8  | 20833.0 | 37020.9 | 37605.9 | 33294.2 | 32187.9 |
| 75°   | 2188.9  | 2241.8  | 2472.1  | 2983.0  | 3443.5  | 15483.8 | 35573.1 | 38574.6 | 33683.3 | 30014.8 |
| 77.5° | 1638.4  | 1662.2  | 1850.1  | 2363.6  | 1762.8  | 8162.8  | 28424.1 | 31947.0 | 28834.4 | 24660.3 |
| 80°   | 1188.4  | 1214.9  | 1355.2  | 1773.4  | 1236.1  | 2985.6  | 19517.6 | 22423.8 | 19747.9 | 15719.4 |
| 82.5° | 820.5   | 831.1   | 892.0   | 1206.9  | 862.9   | 1159.3  | 11074.3 | 13149.4 | 11024.0 | 5516.0  |
| 85°   | 495.0   | 508.2   | 534.7   | 704.1   | 489.7   | 550.5   | 4780.1  | 4944.2  | 3295.3  | 1318.1  |
| 87.5° | 203.8   | 217.0   | 238.2   | 296.4   | 193.2   | 153.5   | 788.7   | 989.9   | 616.7   | 386.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P954750

CATALOG NUMBER: GLAN-SB7D-930-U-SL3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9030.9  | 0°    | 9030.9  | 9030.9 | 9030.9 | 9030.9 | 9030.9 | 9030.9 | 9030.9 | 9030.9 | 9030.9 | 9030.9 |
| 9057.4  | 2.5°  | 9044.2  | 9025.6 | 8975.3 | 8906.5 | 8843.0 | 8763.6 | 8729.2 | 8700.1 | 8673.6 | 8623.3 |
| 9128.8  | 5°    | 9099.7  | 9049.4 | 8914.5 | 8739.8 | 8541.3 | 8324.2 | 8112.5 | 7966.9 | 7842.5 | 7749.9 |
| 9210.9  | 7.5°  | 9184.4  | 9089.1 | 8843.0 | 8485.7 | 8030.4 | 7564.6 | 7143.7 | 6844.7 | 6619.7 | 6537.6 |
| 9327.4  | 10°   | 9271.8  | 9158.0 | 8729.2 | 8099.2 | 7313.1 | 6595.9 | 6037.4 | 5730.3 | 5550.4 | 5492.1 |
| 9465.0  | 12.5° | 9375.0  | 9208.3 | 8551.8 | 7561.9 | 6511.2 | 5725.1 | 5238.0 | 5058.1 | 4965.4 | 4933.7 |
| 9634.4  | 15°   | 9525.9  | 9250.6 | 8284.5 | 6889.6 | 5746.2 | 5089.8 | 4774.8 | 4650.4 | 4602.8 | 4600.2 |
| 9809.1  | 17.5° | 9639.7  | 9258.5 | 7869.0 | 6169.7 | 5158.6 | 4706.0 | 4446.6 | 4399.0 | 4430.8 | 4478.4 |
| 9981.1  | 20°   | 9766.7  | 9187.1 | 7323.7 | 5513.3 | 4745.7 | 4369.9 | 4261.4 | 4293.1 | 4369.9 | 4438.7 |
| 10208.7 | 22.5° | 9856.7  | 9057.4 | 6664.7 | 5002.5 | 4388.4 | 4176.7 | 4171.4 | 4237.5 | 4279.9 | 4314.3 |
| 10476.1 | 25°   | 9936.1  | 8837.7 | 5965.9 | 4573.7 | 4094.6 | 4060.2 | 4118.4 | 4097.3 | 4068.1 | 4097.3 |
| 10743.4 | 27.5° | 9994.4  | 8491.0 | 5341.3 | 4197.8 | 3888.2 | 3980.8 | 3946.4 | 3898.8 | 3896.1 | 3912.0 |
| 11058.4 | 30°   | 9975.8  | 8027.8 | 4827.8 | 3840.5 | 3742.6 | 3832.6 | 3750.5 | 3742.6 | 3734.6 | 3742.6 |
| 11532.2 | 32.5° | 9975.8  | 7501.1 | 4433.4 | 3594.4 | 3650.0 | 3615.5 | 3607.6 | 3589.1 | 3557.3 | 3554.7 |
| 12175.3 | 35°   | 10031.4 | 6974.3 | 4094.6 | 3462.0 | 3573.2 | 3491.1 | 3496.4 | 3451.4 | 3385.3 | 3353.5 |
| 13027.6 | 37.5° | 10145.2 | 6550.9 | 3758.5 | 3398.5 | 3438.2 | 3435.6 | 3414.4 | 3337.6 | 3221.2 | 3120.6 |
| 14091.6 | 40°   | 10420.5 | 6426.5 | 3528.2 | 3369.4 | 3374.7 | 3406.4 | 3350.9 | 3202.6 | 2938.0 | 2773.9 |
| 15171.5 | 42.5° | 10851.9 | 6635.6 | 3477.9 | 3297.9 | 3332.3 | 3364.1 | 3255.6 | 2911.5 | 2723.6 | 2625.6 |
| 16304.4 | 45°   | 11399.8 | 7000.8 | 3586.4 | 3194.7 | 3231.8 | 3287.3 | 2964.4 | 2800.3 | 2715.6 | 2718.3 |
| 17426.6 | 47.5° | 12093.3 | 7384.6 | 3787.6 | 3104.7 | 3086.2 | 3117.9 | 2771.2 | 2670.6 | 2554.2 | 2583.3 |
| 18503.9 | 50°   | 12895.3 | 7773.7 | 3978.2 | 2983.0 | 2924.7 | 2821.5 | 2646.8 | 2551.5 | 2403.3 | 2334.5 |
| 19544.0 | 52.5° | 13763.4 | 8149.5 | 4054.9 | 2834.7 | 2750.0 | 2630.9 | 2562.1 | 2445.7 | 2265.7 | 2151.9 |
| 20526.0 | 55°   | 14586.6 | 8491.0 | 3970.2 | 2657.4 | 2575.3 | 2482.7 | 2472.1 | 2400.7 | 2207.4 | 2048.6 |
| 21399.5 | 57.5° | 15364.7 | 8776.8 | 3758.5 | 2477.4 | 2398.0 | 2342.4 | 2413.9 | 2379.5 | 2136.0 | 1932.2 |
| 22225.3 | 60°   | 16023.8 | 8972.7 | 3451.4 | 2294.8 | 2239.2 | 2210.1 | 2318.6 | 2308.0 | 2035.4 | 1807.8 |
| 22966.4 | 62.5° | 16547.9 | 9049.4 | 3112.6 | 2120.1 | 2106.9 | 2053.9 | 2186.3 | 2186.3 | 1908.4 | 1686.0 |
| 23617.5 | 65°   | 16958.1 | 8975.3 | 2768.6 | 1948.1 | 1974.5 | 1895.1 | 2024.8 | 2008.9 | 1773.4 | 1577.5 |
| 24366.5 | 67.5° | 17320.7 | 8731.8 | 2387.4 | 1778.7 | 1839.5 | 1739.0 | 1855.4 | 1818.4 | 1625.1 | 1469.0 |
| 25015.0 | 70°   | 17482.2 | 8165.4 | 1953.3 | 1609.3 | 1683.4 | 1585.4 | 1686.0 | 1617.2 | 1458.4 | 1352.5 |
| 24303.0 | 72.5° | 16185.2 | 6786.4 | 1537.8 | 1431.9 | 1495.4 | 1416.0 | 1503.4 | 1424.0 | 1278.4 | 1230.8 |
| 20986.6 | 75°   | 13390.2 | 5092.5 | 1183.1 | 1238.7 | 1286.3 | 1225.5 | 1283.7 | 1225.5 | 1093.1 | 1127.5 |
| 15502.4 | 77.5° | 9724.4  | 3438.2 | 905.2  | 1034.9 | 1056.1 | 1024.3 | 1074.6 | 1008.4 | 889.3  | 881.4  |
| 7726.0  | 80°   | 4835.7  | 2014.2 | 709.3  | 817.9  | 809.9  | 788.7  | 847.0  | 815.2  | 714.6  | 757.0  |
| 2085.7  | 82.5° | 1400.2  | 862.9  | 516.1  | 574.4  | 558.5  | 563.8  | 606.1  | 622.0  | 931.7  | 923.7  |
| 648.5   | 85°   | 439.4   | 338.8  | 309.7  | 320.3  | 304.4  | 312.3  | 357.3  | 709.3  | 656.4  | 383.8  |
| 201.2   | 87.5° | 113.8   | 116.5  | 76.8   | 82.1   | 84.7   | 100.6  | 113.8  | 431.4  | 206.5  | 135.0  |
| 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°   |
|--------|
| 9030.9 |
| 8599.5 |
| 7673.1 |
| 6394.7 |
| 5402.1 |
| 4941.6 |
| 4610.7 |
| 4496.9 |
| 4462.5 |
| 4332.8 |
| 4115.8 |
| 3938.5 |
| 3771.7 |
| 3589.1 |
| 3385.3 |
| 3155.0 |
| 2795.0 |
| 2625.6 |
| 2731.5 |
| 2657.4 |
| 2353.0 |
| 2149.2 |
| 2048.6 |
| 1921.6 |
| 1799.8 |
| 1678.1 |
| 1566.9 |
| 1458.4 |
| 1331.3 |
| 1191.1 |
| 1029.6 |
| 841.7  |
| 749.0  |
| 944.9  |
| 415.5  |
| 142.9  |
| 0.0    |