

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: P953217

Luminaire Tested: **GLAN-SB6D-830-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953217  
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-SB6D-830-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 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: 54191 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1  
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

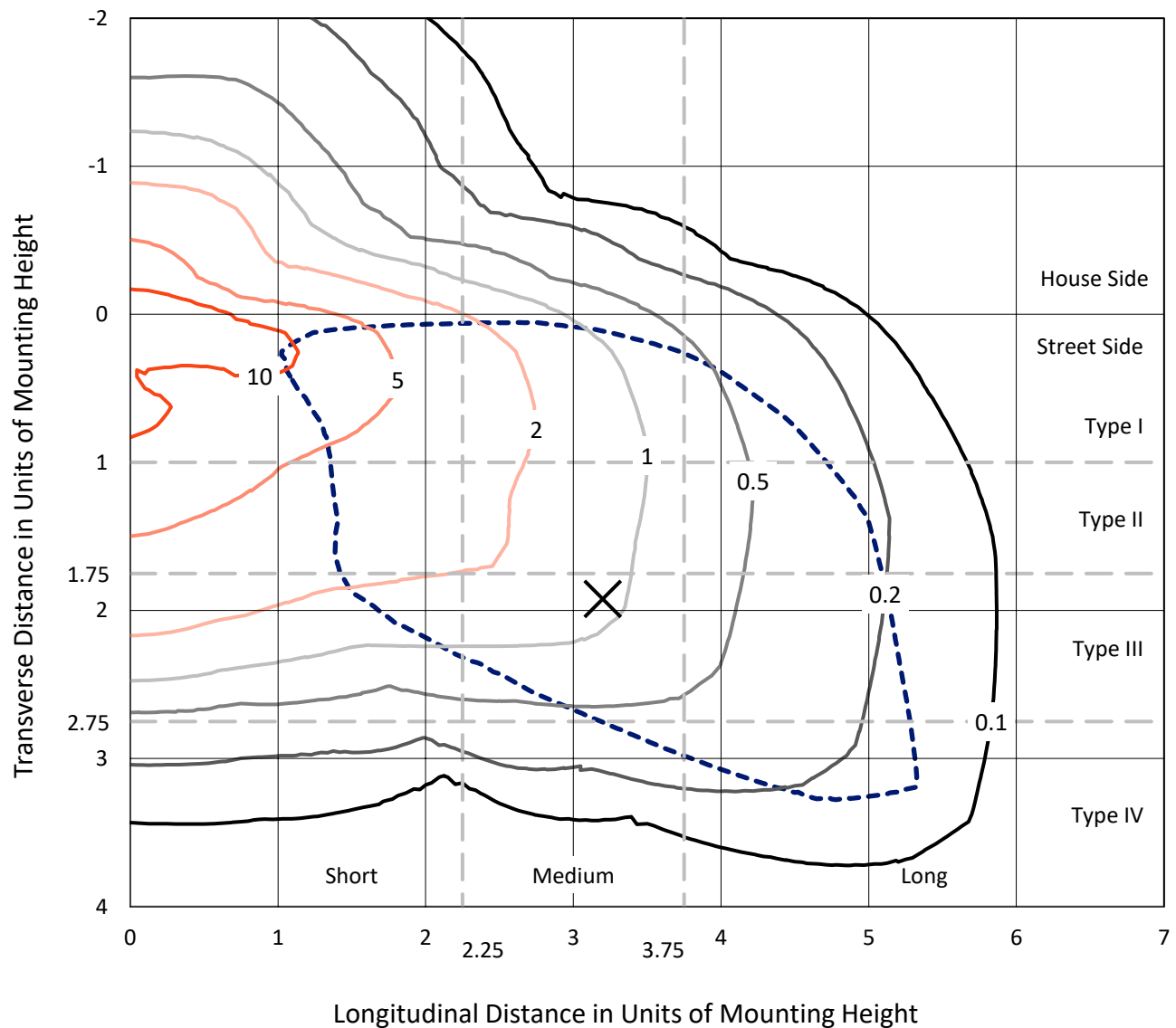


REPORT NUMBER: P953217

CATALOG NUMBER: GLAN-SB6D-830-U-SL3

## Iso-Footcandle Lines of Horizontal Illumination

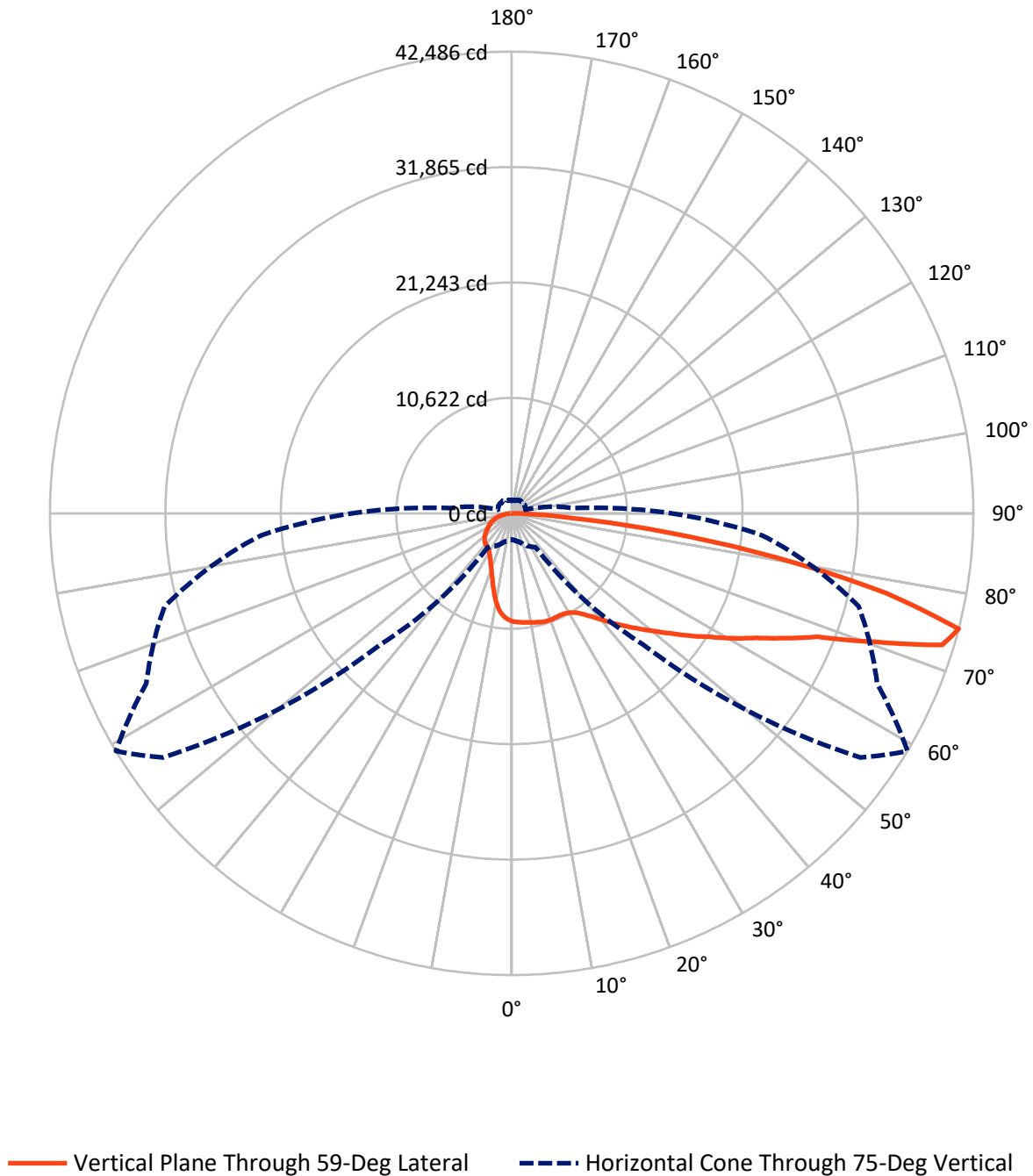
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc  
Type IV - Medium - N/A

REPORT NUMBER: P953217  
CATALOG NUMBER: GLAN-SB6D-830-U-SL3

## Luminous Intensity Polar Plot



REPORT NUMBER: P953217

CATALOG NUMBER: GLAN-SB6D-830-U-SL3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10163.9  | 0.0    | 10163.9 |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 44027.1  | 0.0    | 44027.1 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 54191.0  | 0.0    | 54191.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 891.9   | 1.6       |
| 10°-20°   | 2279.7  | 4.2       |
| 20°-30°   | 3462.7  | 6.4       |
| 30°-40°   | 5147.2  | 9.5       |
| 40°-50°   | 7654.7  | 14.1      |
| 50°-60°   | 10390.4 | 19.2      |
| 60°-70°   | 12685.0 | 23.4      |
| 70°-80°   | 9955.0  | 18.4      |
| 80°-90°   | 1724.5  | 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°    | 54191.0 | 100.0     |
| 0°-180°   | 54191.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953217

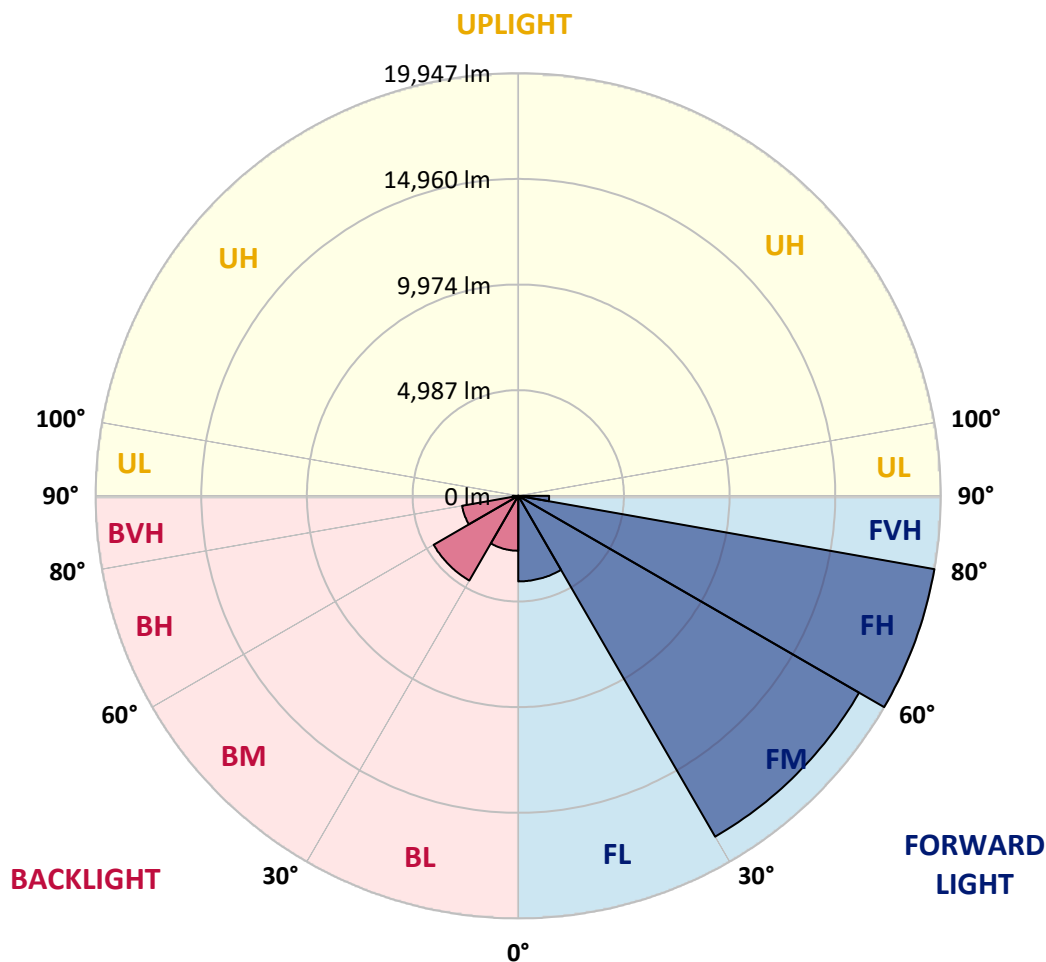
CATALOG NUMBER: GLAN-SB6D-830-U-SL3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4040.5  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 18578.9 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 19947.2 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1460.5  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 2593.7  | 4.8       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 4613.4  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2692.8  | 5.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 264.0   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Medium



REPORT NUMBER: P953217

CATALOG NUMBER: GLAN-SB6D-830-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  | 9946.6  |
| 2.5°  | 10031.2 | 9996.2  | 10031.2 | 10016.6 | 10010.8 | 9999.1  | 10002.0 | 10022.4 | 10010.8 | 10025.3 |
| 5°    | 9964.1  | 9943.7  | 9978.7  | 9970.0  | 10007.9 | 10013.7 | 10051.6 | 10074.9 | 10089.5 | 10092.4 |
| 7.5°  | 9853.4  | 9832.9  | 9882.5  | 9923.3  | 10004.9 | 10028.3 | 10107.0 | 10144.9 | 10165.3 | 10200.3 |
| 10°   | 9448.1  | 9439.4  | 9561.8  | 9716.3  | 9908.7  | 10028.3 | 10147.8 | 10211.9 | 10244.0 | 10337.3 |
| 12.5° | 8731.0  | 8742.7  | 8903.0  | 9200.3  | 9585.2  | 9970.0  | 10194.4 | 10287.7 | 10337.3 | 10453.9 |
| 15°   | 8045.9  | 8043.0  | 8217.9  | 8535.7  | 9075.0  | 9713.4  | 10217.8 | 10378.1 | 10462.6 | 10634.6 |
| 17.5° | 7649.5  | 7637.8  | 7760.2  | 8002.2  | 8503.6  | 9319.9  | 10159.4 | 10427.6 | 10608.4 | 10824.1 |
| 20°   | 7576.6  | 7553.3  | 7617.4  | 7736.9  | 8092.6  | 8888.4  | 10007.9 | 10427.6 | 10725.0 | 11004.9 |
| 22.5° | 7841.9  | 7804.0  | 7777.7  | 7763.2  | 7920.6  | 8532.8  | 9835.9  | 10392.7 | 10897.0 | 11264.3 |
| 25°   | 8375.3  | 8317.0  | 8182.9  | 8051.8  | 8005.1  | 8372.4  | 9684.3  | 10383.9 | 11153.5 | 11614.1 |
| 27.5° | 9238.2  | 9165.4  | 8894.3  | 8579.4  | 8296.6  | 8454.1  | 9617.2  | 10436.4 | 11436.3 | 11984.4 |
| 30°   | 10308.1 | 10229.4 | 9888.3  | 9404.4  | 8897.2  | 8757.2  | 9701.8  | 10590.9 | 11797.8 | 12477.0 |
| 32.5° | 11267.2 | 11179.8 | 10888.2 | 10395.6 | 9710.5  | 9282.0  | 9970.0  | 10885.3 | 12366.2 | 13162.1 |
| 35°   | 12118.5 | 12016.4 | 11754.1 | 11299.3 | 10707.5 | 10019.5 | 10453.9 | 11407.1 | 13173.8 | 14275.7 |
| 37.5° | 12952.2 | 12832.7 | 12547.0 | 12066.0 | 11652.0 | 11001.9 | 11121.5 | 12077.6 | 14246.5 | 15628.3 |
| 40°   | 13885.1 | 13713.1 | 13366.2 | 12891.0 | 12488.7 | 12153.4 | 11998.9 | 12899.7 | 15336.8 | 17138.4 |
| 42.5° | 14788.8 | 14625.5 | 14211.6 | 13806.4 | 13302.0 | 13205.8 | 13016.3 | 13861.7 | 16529.1 | 18797.2 |
| 45°   | 15762.4 | 15567.1 | 15065.7 | 14552.6 | 14234.9 | 13905.5 | 14001.7 | 14823.8 | 17698.1 | 20488.0 |
| 47.5° | 16674.9 | 16456.3 | 15864.5 | 15293.1 | 15118.2 | 14494.3 | 14905.4 | 15882.0 | 18913.8 | 22202.1 |
| 50°   | 17167.6 | 16951.8 | 16459.2 | 15943.2 | 15806.2 | 15220.2 | 15884.9 | 17045.1 | 20187.7 | 23910.4 |
| 52.5° | 17578.6 | 17345.4 | 16701.1 | 16415.4 | 16374.6 | 16010.2 | 17091.8 | 18374.5 | 21461.6 | 25420.5 |
| 55°   | 18015.9 | 17756.4 | 16934.4 | 16677.8 | 16864.4 | 16896.5 | 18523.1 | 19881.6 | 22808.5 | 26892.7 |
| 57.5° | 18520.2 | 18190.8 | 17158.8 | 16899.4 | 17342.5 | 17934.3 | 20167.3 | 21444.2 | 24132.0 | 28257.0 |
| 60°   | 18995.4 | 18663.1 | 17590.3 | 17252.1 | 17858.5 | 19138.2 | 22053.4 | 23336.1 | 25630.4 | 29472.6 |
| 62.5° | 19088.7 | 18814.7 | 17934.3 | 17931.3 | 18558.1 | 20543.4 | 24286.5 | 25245.6 | 26939.3 | 30673.7 |
| 65°   | 17473.7 | 17301.7 | 16779.8 | 17905.1 | 19560.9 | 22566.5 | 26773.1 | 27688.5 | 28603.9 | 31723.1 |
| 67.5° | 13299.1 | 13322.4 | 13284.5 | 15456.4 | 18750.5 | 25473.0 | 30373.4 | 30303.4 | 30659.1 | 32900.9 |
| 70°   | 6081.1  | 6218.1  | 7110.2  | 10669.6 | 15022.0 | 25808.2 | 36326.2 | 35419.6 | 33239.0 | 34425.5 |
| 72.5° | 3285.4  | 3390.4  | 3754.8  | 5168.6  | 9031.3  | 22945.5 | 40774.8 | 41419.1 | 36670.2 | 35451.7 |
| 75°   | 2410.9  | 2469.2  | 2722.8  | 3285.4  | 3792.7  | 17053.9 | 39180.2 | 42486.0 | 37098.7 | 33058.3 |
| 77.5° | 1804.5  | 1830.7  | 2037.7  | 2603.3  | 1941.5  | 8990.5  | 31306.3 | 35186.4 | 31758.1 | 27160.8 |
| 80°   | 1308.9  | 1338.1  | 1492.6  | 1953.2  | 1361.4  | 3288.3  | 21496.6 | 24697.5 | 21750.3 | 17313.3 |
| 82.5° | 903.7   | 915.4   | 982.4   | 1329.3  | 950.4   | 1276.9  | 12197.2 | 14482.7 | 12141.8 | 6075.3  |
| 85°   | 545.1   | 559.7   | 588.9   | 775.4   | 539.3   | 606.4   | 5264.8  | 5445.6  | 3629.4  | 1451.8  |
| 87.5° | 224.5   | 239.0   | 262.4   | 326.5   | 212.8   | 169.1   | 868.7   | 1090.3  | 679.2   | 425.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953217

CATALOG NUMBER: GLAN-SB6D-830-U-SL3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9946.6  | 0°    | 9946.6  | 9946.6  | 9946.6 | 9946.6 | 9946.6 | 9946.6 | 9946.6 | 9946.6 | 9946.6 | 9946.6 |
| 9975.8  | 2.5°  | 9961.2  | 9940.8  | 9885.4 | 9809.6 | 9739.7 | 9652.2 | 9614.3 | 9582.2 | 9553.1 | 9497.7 |
| 10054.5 | 5°    | 10022.4 | 9967.0  | 9818.4 | 9626.0 | 9407.3 | 9168.3 | 8935.1 | 8774.7 | 8637.7 | 8535.7 |
| 10144.9 | 7.5°  | 10115.7 | 10010.8 | 9739.7 | 9346.1 | 8844.7 | 8331.6 | 7868.1 | 7538.7 | 7290.9 | 7200.5 |
| 10273.1 | 10°   | 10211.9 | 10086.6 | 9614.3 | 8920.5 | 8054.7 | 7264.7 | 6649.6 | 6311.4 | 6113.2 | 6049.0 |
| 10424.7 | 12.5° | 10325.6 | 10142.0 | 9419.0 | 8328.7 | 7171.4 | 6305.6 | 5769.2 | 5570.9 | 5468.9 | 5433.9 |
| 10611.3 | 15°   | 10491.8 | 10188.6 | 9124.6 | 7588.2 | 6328.9 | 5605.9 | 5259.0 | 5122.0 | 5069.5 | 5066.6 |
| 10803.7 | 17.5° | 10617.1 | 10197.3 | 8666.9 | 6795.3 | 5681.7 | 5183.2 | 4897.5 | 4845.1 | 4880.0 | 4932.5 |
| 10993.2 | 20°   | 10757.1 | 10118.6 | 8066.3 | 6072.3 | 5226.9 | 4813.0 | 4693.5 | 4728.4 | 4813.0 | 4888.8 |
| 11243.9 | 22.5° | 10856.2 | 9975.8  | 7340.5 | 5509.7 | 4833.4 | 4600.2 | 4594.3 | 4667.2 | 4713.9 | 4751.8 |
| 11538.3 | 25°   | 10943.6 | 9733.8  | 6570.8 | 5037.5 | 4509.8 | 4471.9 | 4536.0 | 4512.7 | 4480.7 | 4512.7 |
| 11832.8 | 27.5° | 11007.8 | 9351.9  | 5882.9 | 4623.5 | 4282.4 | 4384.4 | 4346.6 | 4294.1 | 4291.2 | 4308.7 |
| 12179.7 | 30°   | 10987.4 | 8841.8  | 5317.3 | 4229.9 | 4122.1 | 4221.2 | 4130.8 | 4122.1 | 4113.3 | 4122.1 |
| 12701.5 | 32.5° | 10987.4 | 8261.7  | 4882.9 | 3958.8 | 4020.1 | 3982.2 | 3973.4 | 3953.0 | 3918.0 | 3915.1 |
| 13409.9 | 35°   | 11048.6 | 7681.5  | 4509.8 | 3813.1 | 3935.5 | 3845.1 | 3851.0 | 3801.4 | 3728.5 | 3693.5 |
| 14348.6 | 37.5° | 11173.9 | 7215.1  | 4139.6 | 3743.1 | 3786.8 | 3783.9 | 3760.6 | 3676.1 | 3547.8 | 3437.0 |
| 15520.5 | 40°   | 11477.1 | 7078.1  | 3886.0 | 3711.0 | 3716.9 | 3751.9 | 3690.6 | 3527.4 | 3235.9 | 3055.1 |
| 16709.9 | 42.5° | 11952.3 | 7308.4  | 3830.6 | 3632.3 | 3670.2 | 3705.2 | 3585.7 | 3206.7 | 2999.7 | 2891.9 |
| 17957.6 | 45°   | 12555.7 | 7710.7  | 3950.1 | 3518.6 | 3559.5 | 3620.7 | 3265.0 | 3084.3 | 2991.0 | 2993.9 |
| 19193.6 | 47.5° | 13319.5 | 8133.4  | 4171.6 | 3419.5 | 3399.1 | 3434.1 | 3052.2 | 2941.4 | 2813.2 | 2845.2 |
| 20380.1 | 50°   | 14202.8 | 8561.9  | 4381.5 | 3285.4 | 3221.3 | 3107.6 | 2915.2 | 2810.2 | 2647.0 | 2571.2 |
| 21525.8 | 52.5° | 15159.0 | 8975.9  | 4466.1 | 3122.2 | 3028.9 | 2897.7 | 2821.9 | 2693.6 | 2495.4 | 2370.1 |
| 22607.3 | 55°   | 16065.6 | 9351.9  | 4372.8 | 2926.9 | 2836.5 | 2734.5 | 2722.8 | 2644.1 | 2431.3 | 2256.4 |
| 23569.3 | 57.5° | 16922.7 | 9666.8  | 4139.6 | 2728.6 | 2641.2 | 2579.9 | 2658.7 | 2620.8 | 2352.6 | 2128.1 |
| 24478.9 | 60°   | 17648.6 | 9882.5  | 3801.4 | 2527.5 | 2466.3 | 2434.2 | 2553.7 | 2542.0 | 2241.8 | 1991.1 |
| 25295.1 | 62.5° | 18225.8 | 9967.0  | 3428.3 | 2335.1 | 2320.5 | 2262.2 | 2407.9 | 2407.9 | 2101.9 | 1857.0 |
| 26012.3 | 65°   | 18677.6 | 9885.4  | 3049.3 | 2145.6 | 2174.7 | 2087.3 | 2230.1 | 2212.6 | 1953.2 | 1737.5 |
| 26837.3 | 67.5° | 19077.0 | 9617.2  | 2629.5 | 1959.0 | 2026.1 | 1915.3 | 2043.6 | 2002.7 | 1789.9 | 1617.9 |
| 27551.5 | 70°   | 19254.8 | 8993.4  | 2151.4 | 1772.4 | 1854.1 | 1746.2 | 1857.0 | 1781.2 | 1606.3 | 1489.7 |
| 26767.3 | 72.5° | 17826.4 | 7474.6  | 1693.7 | 1577.1 | 1647.1 | 1559.6 | 1655.8 | 1568.4 | 1408.0 | 1355.6 |
| 23114.6 | 75°   | 14748.0 | 5608.8  | 1303.1 | 1364.3 | 1416.8 | 1349.7 | 1413.9 | 1349.7 | 1204.0 | 1241.9 |
| 17074.3 | 77.5° | 10710.4 | 3786.8  | 997.0  | 1139.8 | 1163.2 | 1128.2 | 1183.6 | 1110.7 | 979.5  | 970.8  |
| 8509.4  | 80°   | 5326.1  | 2218.5  | 781.3  | 900.8  | 892.0  | 868.7  | 932.9  | 897.9  | 787.1  | 833.7  |
| 2297.2  | 82.5° | 1542.1  | 950.4   | 568.5  | 632.6  | 615.1  | 620.9  | 667.6  | 685.1  | 1026.1 | 1017.4 |
| 714.2   | 85°   | 483.9   | 373.1   | 341.1  | 352.7  | 335.2  | 344.0  | 393.6  | 781.3  | 723.0  | 422.7  |
| 221.6   | 87.5° | 125.4   | 128.3   | 84.5   | 90.4   | 93.3   | 110.8  | 125.4  | 475.2  | 227.4  | 148.7  |
| 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°   |
|--------|
| 9946.6 |
| 9471.5 |
| 8451.1 |
| 7043.1 |
| 5949.9 |
| 5442.7 |
| 5078.3 |
| 4952.9 |
| 4915.0 |
| 4772.2 |
| 4533.1 |
| 4337.8 |
| 4154.1 |
| 3953.0 |
| 3728.5 |
| 3474.9 |
| 3078.4 |
| 2891.9 |
| 3008.5 |
| 2926.9 |
| 2591.6 |
| 2367.1 |
| 2256.4 |
| 2116.4 |
| 1982.3 |
| 1848.2 |
| 1725.8 |
| 1606.3 |
| 1466.3 |
| 1311.8 |
| 1134.0 |
| 927.0  |
| 825.0  |
| 1040.7 |
| 457.7  |
| 157.4  |
| 0.0    |