

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: P851518

Luminaire Tested: **GLAN-SB9C-740-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851518  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-740-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 72217 lumens  
Efficiency: N/A  
Efficacy: 160.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

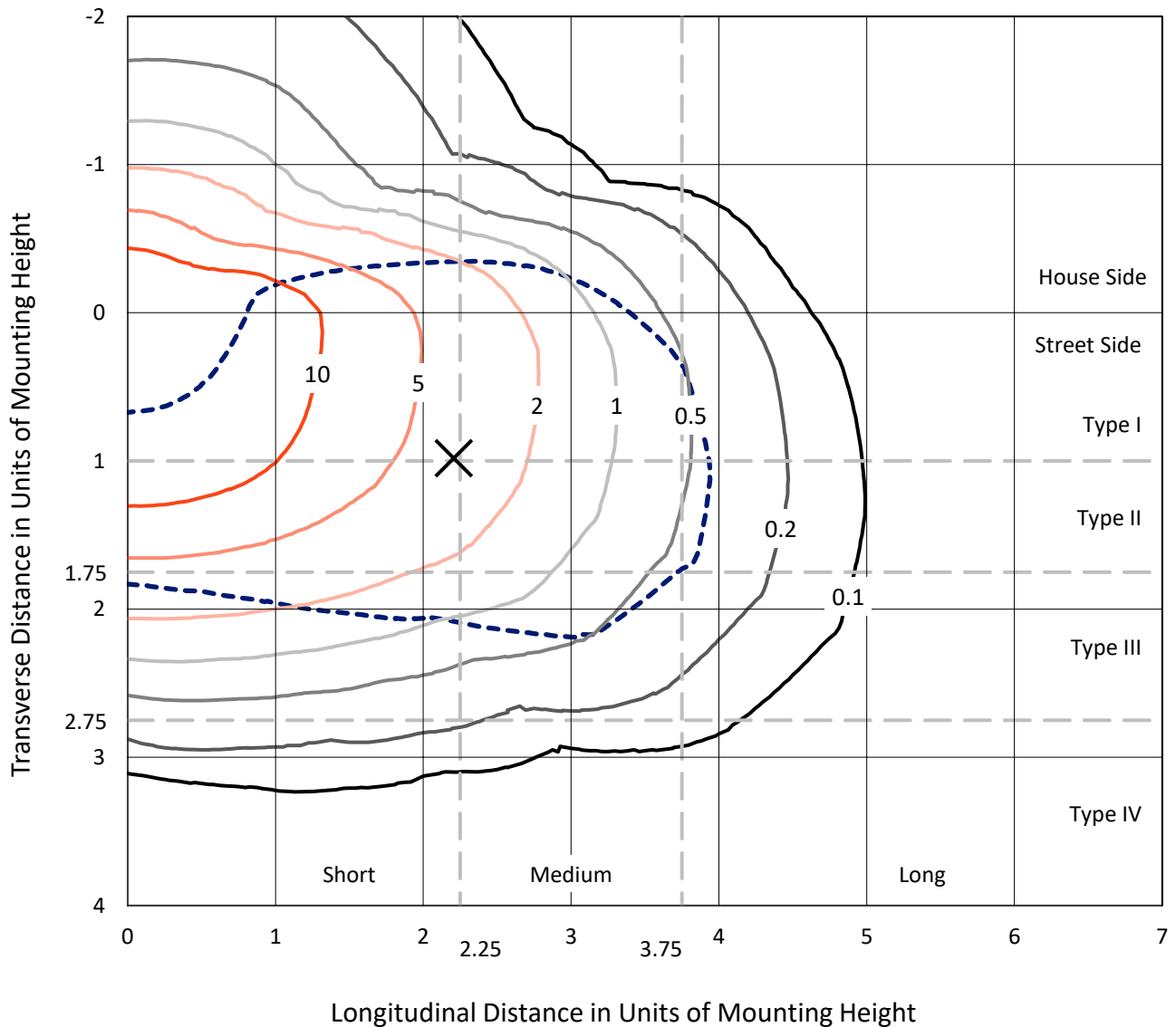
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851518  
 CATALOG NUMBER: GLAN-SB9C-740-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

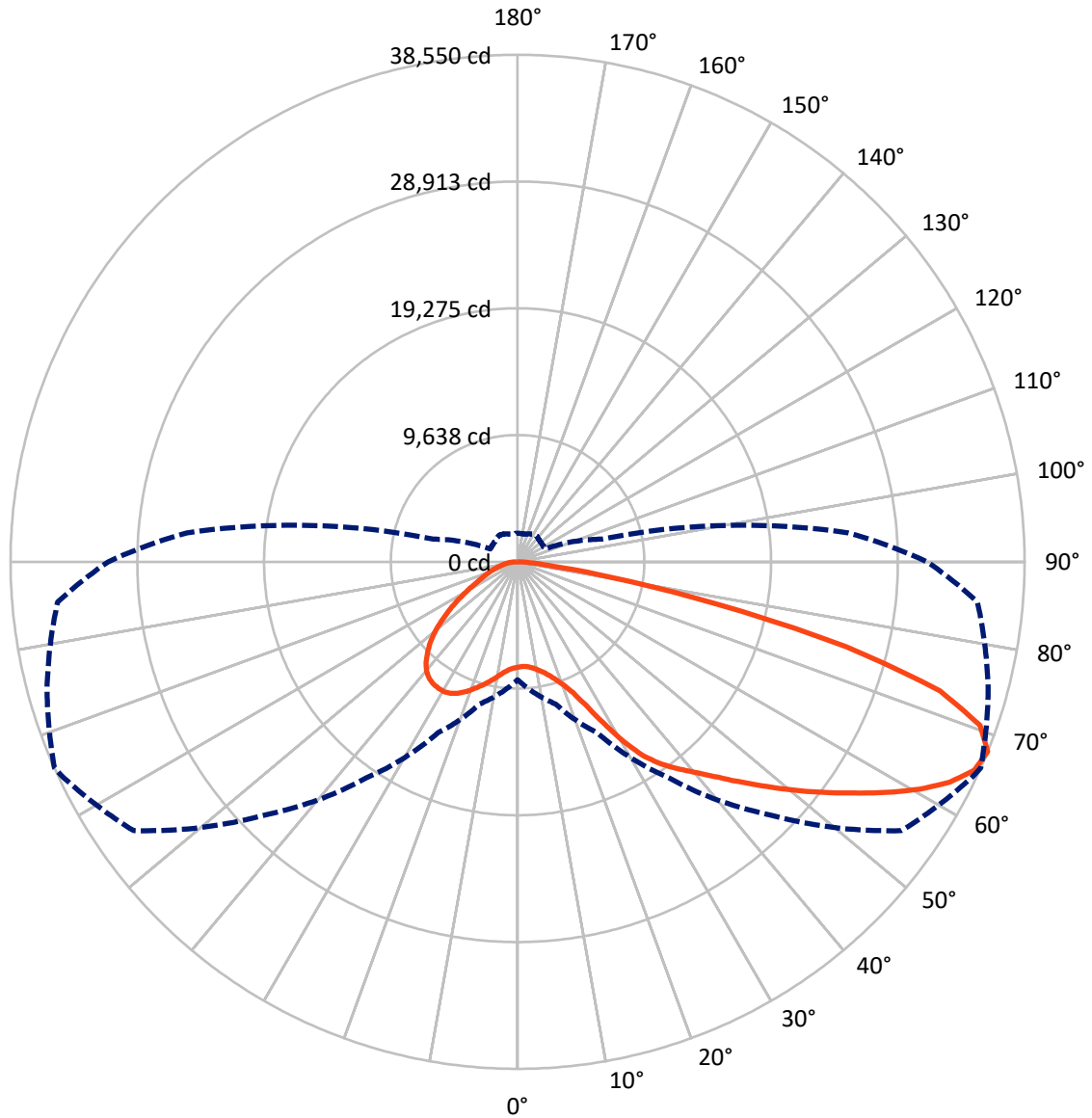
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P851518  
CATALOG NUMBER: GLAN-SB9C-740-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P851518  
 CATALOG NUMBER: GLAN-SB9C-740-U-T3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17956.5  | 0.0    | 17956.5 |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 54260.4  | 0.0    | 54260.4 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 72217.0  | 0.0    | 72217.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 794.1   | 1.1       |
| 10°-20°   | 2623.7  | 3.6       |
| 20°-30°   | 5057.1  | 7.0       |
| 30°-40°   | 8867.0  | 12.3      |
| 40°-50°   | 13182.3 | 18.3      |
| 50°-60°   | 16709.9 | 23.1      |
| 60°-70°   | 16350.2 | 22.6      |
| 70°-80°   | 7799.2  | 10.8      |
| 80°-90°   | 833.5   | 1.2       |
| 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°    | 72217.0 | 100.0     |
| 0°-180°   | 72217.0 | 100.0     |

**Coefficient of Utilization**

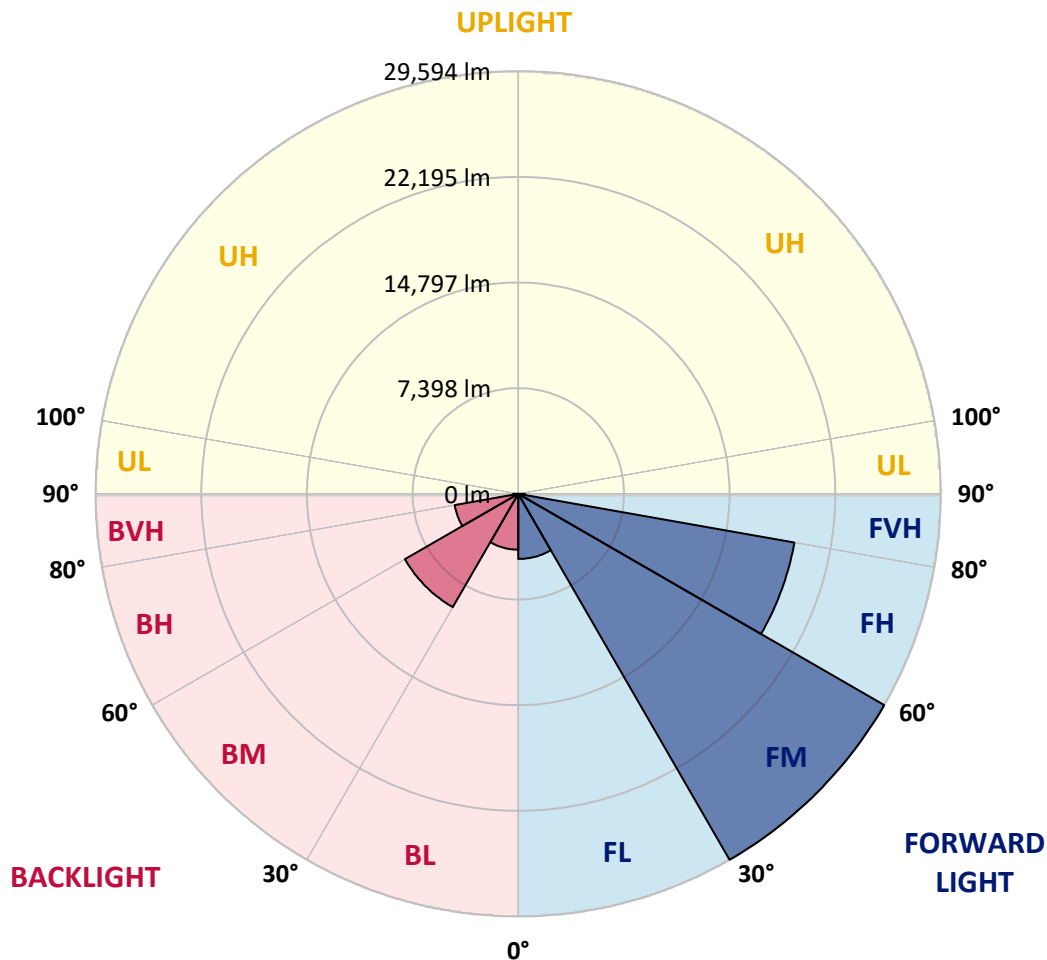


REPORT NUMBER: P851518  
 CATALOG NUMBER: GLAN-SB9C-740-U-T3

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 4563.4  | 6.3       |                         |      |         |
| FM (30°-60°)   | 29593.9 | 41.0      |                         |      |         |
| FH (60°-80°)   | 19630.6 | 27.2      |                         |      | G5      |
| FVH (80°-90°)  | 472.6   | 0.7       |                         |      | G3/500  |
| BL (0°-30°)    | 3911.6  | 5.4       | B4/5000                 |      |         |
| BM (30°-60°)   | 9165.2  | 12.7      | B5                      |      |         |
| BH (60°-80°)   | 4518.8  | 6.3       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 360.9   | 0.5       |                         |      | G3/500  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**  
 Type III Short



REPORT NUMBER: P851518  
 CATALOG NUMBER: GLAN-SB9C-740-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8  |
| 2.5°  | 7926.3  | 7971.9  | 7960.5  | 7941.5  | 7937.7  | 7945.3  | 7956.7  | 7968.1  | 7964.3  | 7983.3  |
| 5°    | 7903.6  | 7949.1  | 7945.3  | 7945.3  | 7960.5  | 7990.8  | 8009.8  | 8028.8  | 8009.8  | 8032.6  |
| 7.5°  | 7918.8  | 7952.9  | 7968.1  | 7983.3  | 8021.2  | 8078.1  | 8123.6  | 8165.4  | 8142.6  | 8169.2  |
| 10°   | 8112.3  | 8138.8  | 8154.0  | 8154.0  | 8180.6  | 8245.1  | 8290.6  | 8366.5  | 8347.5  | 8389.3  |
| 12.5° | 8465.1  | 8491.7  | 8491.7  | 8476.5  | 8495.5  | 8537.2  | 8552.4  | 8635.9  | 8601.7  | 8670.0  |
| 15°   | 8897.7  | 8950.8  | 8909.1  | 8882.5  | 8890.1  | 8931.8  | 8928.0  | 8992.5  | 8958.4  | 9015.3  |
| 17.5° | 9375.8  | 9444.1  | 9375.8  | 9372.0  | 9356.8  | 9402.3  | 9406.1  | 9463.0  | 9402.3  | 9444.1  |
| 20°   | 9941.1  | 10036.0 | 9979.1  | 9998.0  | 9963.9  | 9982.9  | 10001.8 | 10085.3 | 9990.5  | 10020.8 |
| 22.5° | 10737.9 | 10851.8 | 10791.1 | 10863.2 | 10840.4 | 10825.2 | 10821.4 | 10969.4 | 10821.4 | 10832.8 |
| 25°   | 11899.0 | 12035.6 | 11929.4 | 12028.0 | 12028.0 | 12077.3 | 12134.3 | 12324.0 | 12077.3 | 12005.2 |
| 27.5° | 13614.0 | 13750.6 | 13541.9 | 13602.7 | 13583.7 | 13705.1 | 13644.4 | 14114.9 | 13849.3 | 13731.7 |
| 30°   | 15678.2 | 15921.0 | 15526.4 | 15511.2 | 15492.2 | 15685.7 | 15773.0 | 16084.1 | 15814.7 | 15697.1 |
| 32.5° | 17909.2 | 18163.4 | 17692.9 | 17556.3 | 17484.2 | 17601.9 | 17529.8 | 17780.2 | 17594.3 | 17412.2 |
| 35°   | 20269.3 | 20519.7 | 20072.0 | 19806.4 | 19518.0 | 19271.4 | 19013.4 | 19077.9 | 18903.3 | 18626.3 |
| 37.5° | 22500.3 | 22959.5 | 22485.2 | 22200.6 | 21669.4 | 21187.5 | 20466.6 | 20166.8 | 20003.7 | 19749.5 |
| 40°   | 24773.1 | 25035.0 | 24674.5 | 24431.7 | 23854.9 | 23099.8 | 21946.4 | 21312.7 | 21092.7 | 20846.0 |
| 42.5° | 26446.4 | 26696.9 | 26503.4 | 26336.4 | 25884.9 | 25008.4 | 23517.2 | 22724.2 | 22405.5 | 22128.5 |
| 45°   | 27774.5 | 27960.4 | 27839.0 | 27899.7 | 27706.2 | 26856.2 | 25145.0 | 24238.1 | 23908.0 | 23570.3 |
| 47.5° | 28309.5 | 28506.8 | 28700.3 | 29060.7 | 29390.8 | 28764.8 | 26894.2 | 25877.3 | 25528.2 | 25182.9 |
| 50°   | 28248.7 | 28449.8 | 29011.4 | 29777.9 | 30802.3 | 30593.6 | 28738.2 | 27622.7 | 27300.2 | 26905.6 |
| 52.5° | 27763.1 | 27990.7 | 28711.7 | 29986.5 | 31618.1 | 31963.4 | 30616.4 | 29425.0 | 29121.4 | 28650.9 |
| 55°   | 26488.2 | 26624.8 | 27706.2 | 29512.3 | 31811.6 | 32919.6 | 32456.7 | 31344.9 | 31041.4 | 30385.0 |
| 57.5° | 24124.3 | 24321.6 | 25896.3 | 28233.6 | 31325.9 | 33568.4 | 34073.0 | 33363.5 | 33071.3 | 32126.5 |
| 60°   | 21039.5 | 21354.5 | 23156.8 | 26086.0 | 30089.0 | 33564.6 | 35541.4 | 35347.9 | 35105.1 | 33841.6 |
| 62.5° | 17548.8 | 17913.0 | 19647.0 | 23050.5 | 27926.2 | 32612.2 | 36459.7 | 37009.8 | 36884.6 | 35423.8 |
| 65°   | 13477.4 | 13727.9 | 15454.3 | 19123.4 | 24560.7 | 30567.1 | 36565.9 | 38144.3 | 38167.1 | 36626.6 |
| 67.5° | 8973.6  | 9694.5  | 11193.3 | 14350.1 | 20053.0 | 27224.3 | 35632.5 | 38330.3 | 38550.3 | 37040.2 |
| 70°   | 4378.7  | 5327.2  | 6795.6  | 9326.5  | 14350.1 | 22098.1 | 33192.8 | 36805.0 | 37294.4 | 35833.6 |
| 72.5° | 1817.5  | 2124.8  | 2925.4  | 4602.5  | 8237.5  | 14911.7 | 28290.5 | 32669.1 | 33576.0 | 31750.9 |
| 75°   | 1225.6  | 1328.0  | 1673.3  | 2360.1  | 3752.6  | 7353.4  | 20402.1 | 24359.6 | 25820.4 | 23980.1 |
| 77.5° | 944.8   | 1009.3  | 1218.0  | 1650.5  | 2231.1  | 2781.2  | 10920.1 | 14680.2 | 15435.3 | 14289.4 |
| 80°   | 743.7   | 793.0   | 910.6   | 1202.8  | 1582.2  | 1487.4  | 3722.2  | 6651.5  | 7087.8  | 5945.7  |
| 82.5° | 645.0   | 664.0   | 652.6   | 815.8   | 1051.0  | 868.9   | 1221.8  | 2454.9  | 2709.1  | 1965.5  |
| 85°   | 466.7   | 519.8   | 542.6   | 504.6   | 557.8   | 440.1   | 500.9   | 868.9   | 956.2   | 853.7   |
| 87.5° | 189.7   | 280.8   | 345.3   | 326.3   | 204.9   | 125.2   | 155.6   | 254.2   | 292.2   | 318.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P851518  
 CATALOG NUMBER: GLAN-SB9C-740-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 8009.8  | 0°    | 8009.8  | 8009.8  | 8009.8  | 8009.8  | 8009.8 | 8009.8 | 8009.8 | 8009.8 | 8009.8 | 8009.8 |
| 8013.6  | 2.5°  | 8017.4  | 8044.0  | 8062.9  | 8085.7  | 8100.9 | 8123.6 | 8169.2 | 8195.7 | 8199.5 | 8218.5 |
| 8074.3  | 5°    | 8089.5  | 8127.4  | 8169.2  | 8229.9  | 8298.2 | 8355.1 | 8442.4 | 8503.1 | 8525.8 | 8544.8 |
| 8222.3  | 7.5°  | 8245.1  | 8298.2  | 8374.1  | 8480.3  | 8579.0 | 8654.9 | 8761.1 | 8833.2 | 8905.3 | 8931.8 |
| 8457.6  | 10°   | 8476.5  | 8552.4  | 8662.4  | 8806.6  | 8912.9 | 9011.5 | 9121.6 | 9182.3 | 9254.4 | 9284.7 |
| 8738.3  | 12.5° | 8764.9  | 8844.6  | 8988.8  | 9189.9  | 9288.5 | 9356.8 | 9394.7 | 9379.6 | 9394.7 | 9421.3 |
| 9076.0  | 15°   | 9095.0  | 9182.3  | 9345.4  | 9561.7  | 9630.0 | 9569.3 | 9485.8 | 9409.9 | 9398.5 | 9406.1 |
| 9485.8  | 17.5° | 9485.8  | 9550.3  | 9740.0  | 9922.2  | 9872.8 | 9622.4 | 9440.3 | 9318.9 | 9258.2 | 9239.2 |
| 10009.4 | 20°   | 10032.2 | 10032.2 | 10187.8 | 10301.6 | 9971.5 | 9546.5 | 9261.9 | 9064.6 | 8939.4 | 8886.3 |
| 10722.8 | 22.5° | 10696.2 | 10635.5 | 10734.1 | 10654.5 | 9952.5 | 9334.0 | 8939.4 | 8597.9 | 8408.2 | 8332.3 |
| 11720.7 | 25°   | 11538.5 | 11466.4 | 11439.9 | 10946.6 | 9815.9 | 8996.3 | 8355.1 | 7941.5 | 7774.6 | 7732.8 |
| 13158.7 | 27.5° | 12809.6 | 12627.5 | 12282.2 | 11106.0 | 9565.5 | 8465.1 | 7672.1 | 7288.9 | 7194.0 | 7197.8 |
| 15006.6 | 30°   | 14501.9 | 14137.7 | 13291.5 | 11132.5 | 9155.7 | 7713.9 | 6974.0 | 6700.8 | 6655.2 | 6674.2 |
| 16558.4 | 32.5° | 16069.0 | 15723.7 | 14323.6 | 11011.1 | 8525.8 | 6977.8 | 6347.9 | 6165.8 | 6097.5 | 6120.2 |
| 17742.3 | 35°   | 17298.3 | 17203.5 | 15279.7 | 10840.4 | 7751.8 | 6287.2 | 5786.3 | 5630.8 | 5498.0 | 5467.6 |
| 18857.8 | 37.5° | 18459.4 | 18421.4 | 15996.9 | 10601.3 | 6985.4 | 5797.7 | 5334.8 | 5129.9 | 4936.4 | 4830.2 |
| 20090.9 | 40°   | 19734.3 | 19696.3 | 16467.4 | 10233.3 | 6306.2 | 5372.8 | 4928.8 | 4659.4 | 4420.4 | 4226.9 |
| 21487.3 | 42.5° | 21168.5 | 20944.7 | 16691.2 | 9705.9  | 5729.4 | 5012.3 | 4598.7 | 4234.5 | 3919.5 | 3741.2 |
| 23065.7 | 45°   | 22735.6 | 22230.9 | 16687.4 | 9034.3  | 5243.8 | 4682.2 | 4245.8 | 3729.8 | 3437.7 | 3270.7 |
| 24685.9 | 47.5° | 24397.5 | 23460.3 | 16482.5 | 8290.6  | 4773.3 | 4317.9 | 3699.5 | 3304.9 | 3111.3 | 3008.9 |
| 26446.4 | 50°   | 26112.5 | 24610.0 | 16133.5 | 7436.9  | 4291.4 | 3904.4 | 3358.0 | 3088.6 | 2940.6 | 2845.7 |
| 28191.8 | 52.5° | 27725.1 | 25653.4 | 15712.3 | 6469.3  | 3801.9 | 3502.2 | 3206.2 | 2997.5 | 2841.9 | 2735.7 |
| 29884.1 | 55°   | 29223.9 | 26552.7 | 15116.6 | 5479.0  | 3403.5 | 3232.8 | 3134.1 | 2959.6 | 2781.2 | 2656.0 |
| 31602.9 | 57.5° | 30555.7 | 27137.0 | 14088.3 | 4549.4  | 3118.9 | 3046.8 | 3058.2 | 2895.1 | 2690.2 | 2583.9 |
| 33295.2 | 60°   | 31663.6 | 27565.8 | 12566.8 | 3688.1  | 2887.5 | 2864.7 | 2940.6 | 2773.7 | 2534.6 | 2413.2 |
| 34725.7 | 62.5° | 32327.6 | 27558.2 | 10700.0 | 3020.3  | 2690.2 | 2697.8 | 2785.0 | 2621.9 | 2379.0 | 2265.2 |
| 35473.1 | 65°   | 32270.7 | 26882.8 | 8651.1  | 2583.9  | 2500.5 | 2508.0 | 2621.9 | 2454.9 | 2250.0 | 2181.7 |
| 35097.5 | 67.5° | 31128.6 | 25236.1 | 6636.3  | 2299.4  | 2291.8 | 2325.9 | 2458.7 | 2341.1 | 2170.4 | 2162.8 |
| 32858.9 | 70°   | 28036.3 | 21817.4 | 4780.8  | 2071.7  | 2075.5 | 2124.8 | 2299.4 | 2269.0 | 2128.6 | 2143.8 |
| 27626.5 | 72.5° | 22481.4 | 16634.3 | 3210.0  | 1832.7  | 1836.5 | 1916.1 | 2147.6 | 2212.1 | 2086.9 | 2288.0 |
| 19601.5 | 75°   | 14972.4 | 10373.7 | 2064.1  | 1578.4  | 1582.2 | 1684.7 | 2014.8 | 2102.1 | 1973.0 | 2280.4 |
| 10199.1 | 77.5° | 7194.0  | 4663.2  | 1495.0  | 1328.0  | 1328.0 | 1422.9 | 1741.6 | 1882.0 | 1680.9 | 1771.9 |
| 3278.3  | 80°   | 2485.3  | 1753.0  | 1176.2  | 1070.0  | 1047.2 | 1111.7 | 1468.4 | 1631.6 | 1449.4 | 1335.6 |
| 1070.0  | 82.5° | 978.9   | 910.6   | 944.8   | 831.0   | 755.1  | 796.8  | 1142.1 | 1347.0 | 1066.2 | 963.8  |
| 603.3   | 85°   | 561.6   | 591.9   | 667.8   | 550.2   | 436.3  | 489.5  | 838.5  | 967.6  | 804.4  | 709.5  |
| 197.3   | 87.5° | 151.8   | 208.7   | 307.3   | 284.6   | 197.3  | 208.7  | 398.4  | 535.0  | 462.9  | 356.7  |
| 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°   |
|--------|
| 8009.8 |
| 8214.7 |
| 8541.0 |
| 8935.6 |
| 9299.9 |
| 9428.9 |
| 9432.7 |
| 9265.7 |
| 8874.9 |
| 8321.0 |
| 7740.4 |
| 7209.2 |
| 6738.7 |
| 6150.6 |
| 5490.4 |
| 4834.0 |
| 4245.8 |
| 3752.6 |
| 3263.1 |
| 2986.1 |
| 2811.6 |
| 2690.2 |
| 2606.7 |
| 2515.6 |
| 2360.1 |
| 2231.1 |
| 2177.9 |
| 2174.1 |
| 2140.0 |
| 2318.3 |
| 2299.4 |
| 1624.0 |
| 1252.1 |
| 960.0  |
| 724.7  |
| 368.0  |
| 0.0    |

F REPORT)