

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: P951167

Luminaire Tested: **GLAN-SB5B-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951167  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17546 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7  
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



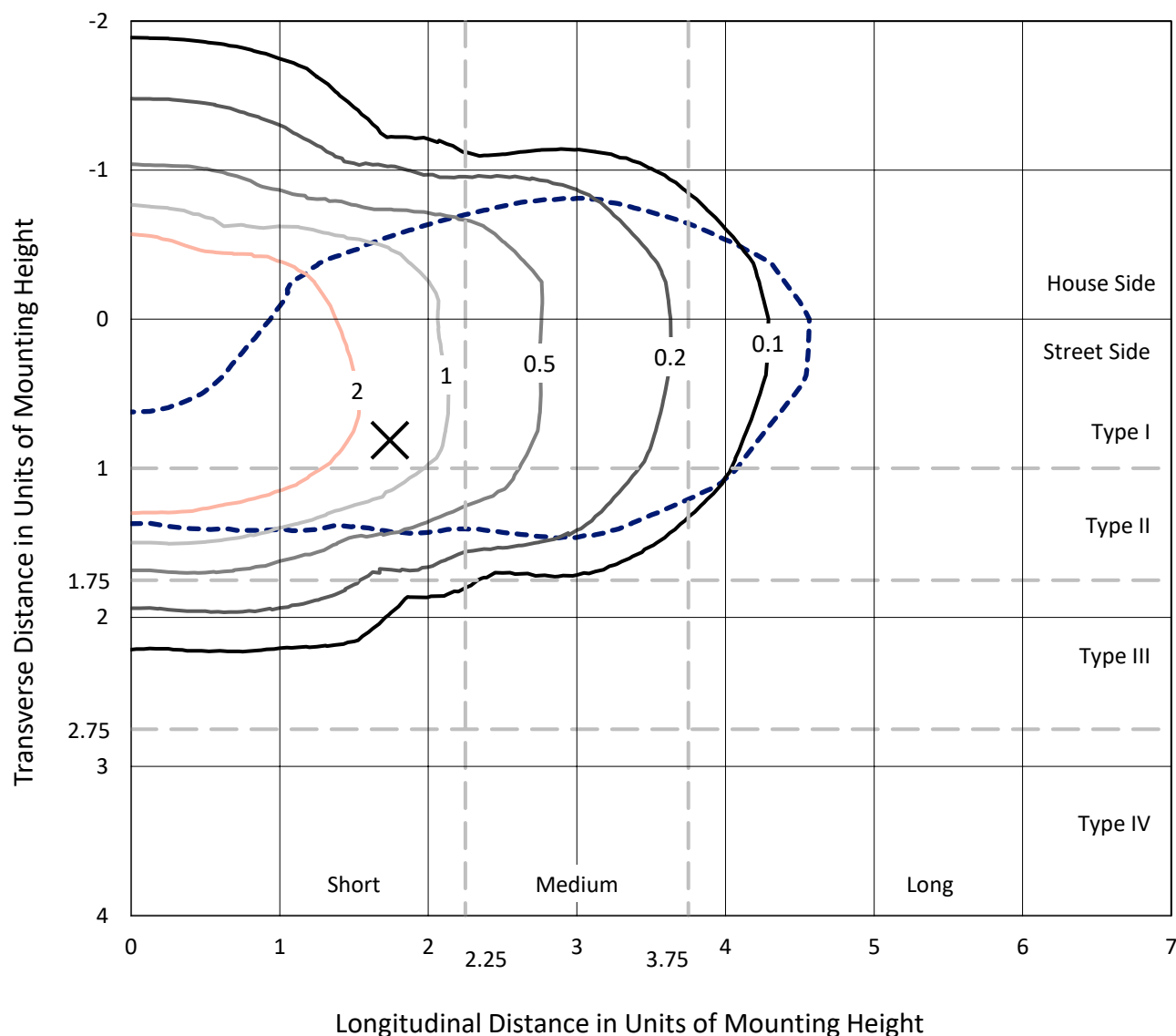
REPORT NUMBER: P951167

CATALOG NUMBER: GLAN-SB5B-927-U-T2U

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

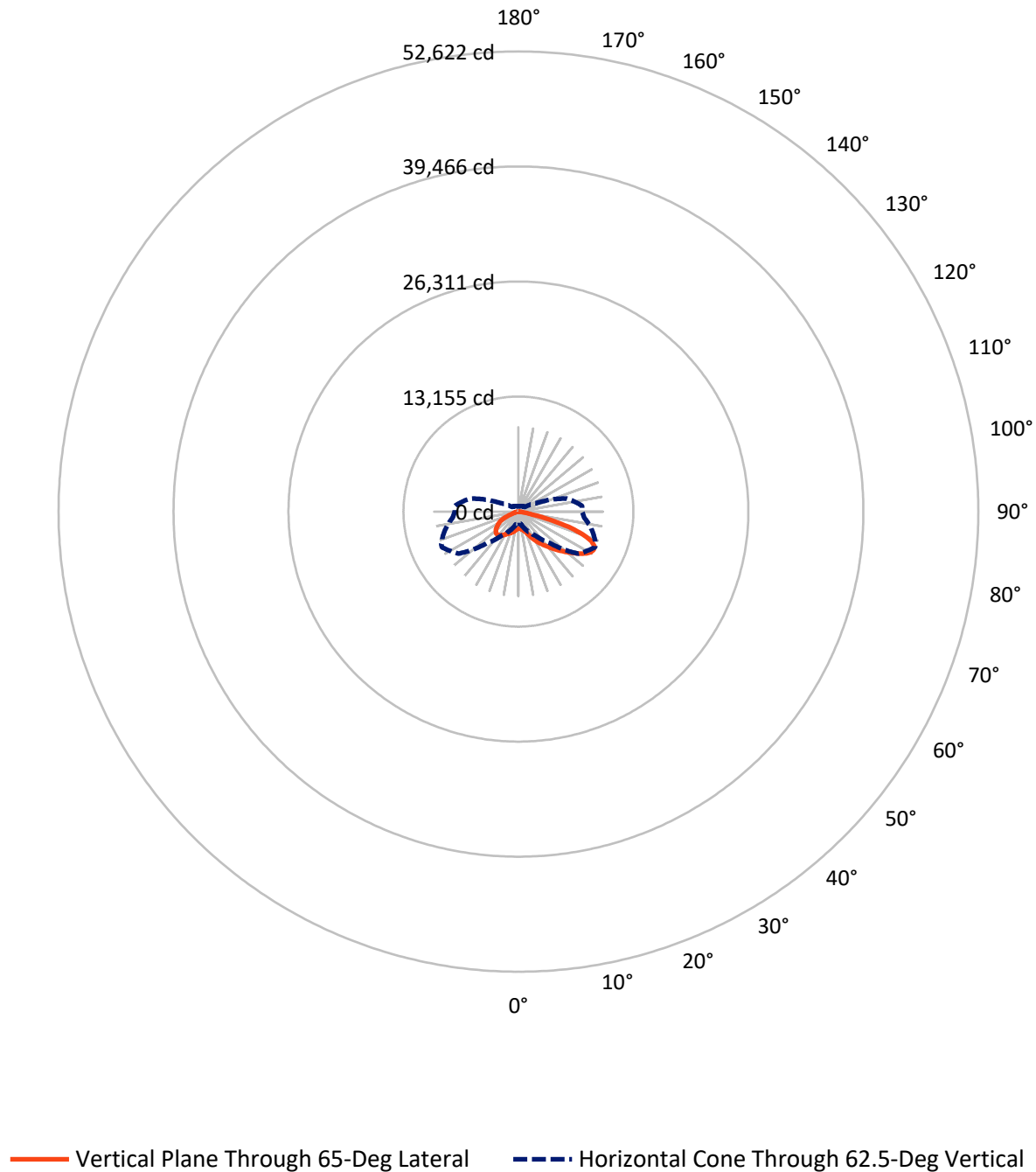


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc

Type II - Short - N/A

REPORT NUMBER: P951167  
CATALOG NUMBER: GLAN-SB5B-927-U-T2U

## Luminous Intensity Polar Plot



REPORT NUMBER: P951167

CATALOG NUMBER: GLAN-SB5B-927-U-T2U

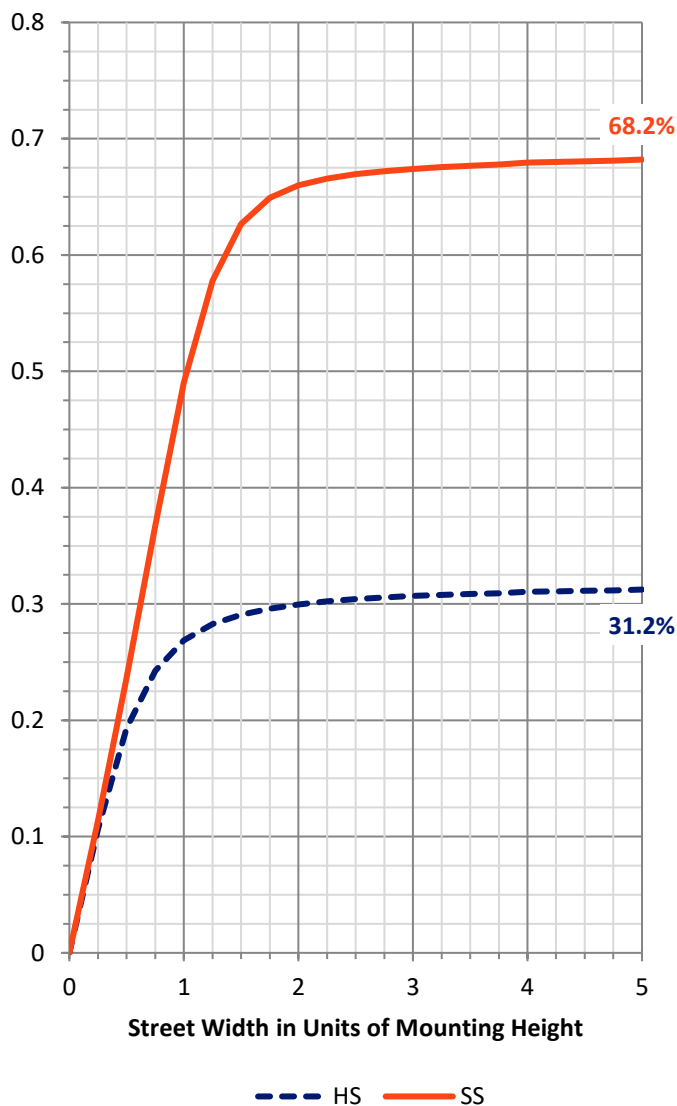
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5536.8   | 0.0    | 5536.8  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 12009.3  | 0.0    | 12009.3 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 17546.0  | 0.0    | 17546.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 192.8   | 1.1       |
| 10°-20°   | 653.7   | 3.7       |
| 20°-30°   | 1325.4  | 7.6       |
| 30°-40°   | 2293.6  | 13.1      |
| 40°-50°   | 3471.0  | 19.8      |
| 50°-60°   | 4069.5  | 23.2      |
| 60°-70°   | 3411.8  | 19.4      |
| 70°-80°   | 1883.6  | 10.7      |
| 80°-90°   | 244.7   | 1.4       |
| 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°    | 17546.0 | 100.0     |
| 0°-180°   | 17546.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P951167

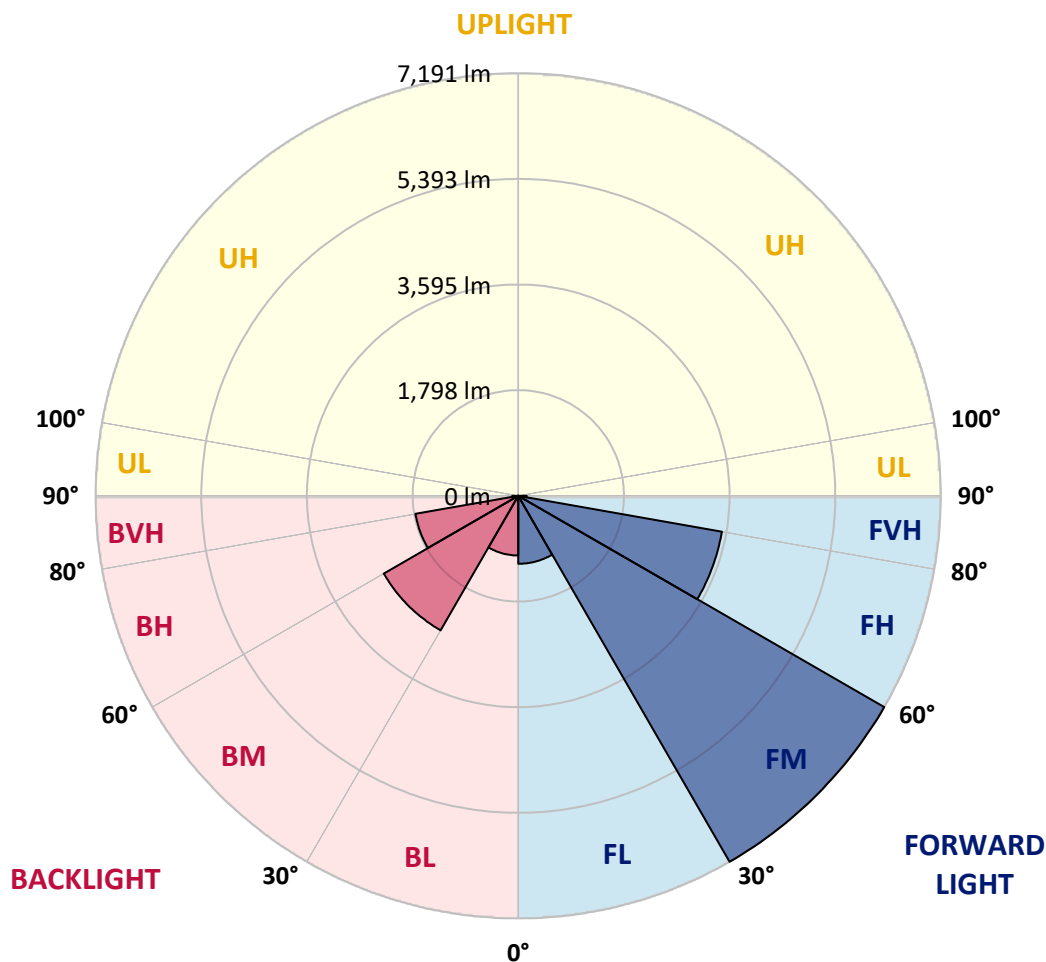
CATALOG NUMBER: GLAN-SB5B-927-U-T2U

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1156.5 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 7190.9 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 3519.2 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 142.6  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1015.4 | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2643.2 | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1776.1 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 102.1  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



REPORT NUMBER: P951167

CATALOG NUMBER: GLAN-SB5B-927-U-T2U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 |
| 2.5°  | 1920.7 | 1915.3 | 1919.8 | 1919.8 | 1921.7 | 1920.7 | 1927.1 | 1928.9 | 1931.7 | 1937.1 |
| 5°    | 1901.6 | 1900.7 | 1908.9 | 1916.2 | 1923.5 | 1929.9 | 1938.0 | 1949.9 | 1951.7 | 1958.1 |
| 7.5°  | 1895.3 | 1889.8 | 1902.5 | 1911.6 | 1928.9 | 1944.4 | 1966.3 | 1986.3 | 1994.5 | 1997.2 |
| 10°   | 1944.4 | 1935.3 | 1947.1 | 1952.6 | 1967.2 | 1982.6 | 2008.1 | 2040.0 | 2049.1 | 2060.0 |
| 12.5° | 2028.2 | 2018.2 | 2035.4 | 2043.6 | 2057.3 | 2070.9 | 2088.2 | 2119.2 | 2123.7 | 2143.8 |
| 15°   | 2142.9 | 2131.0 | 2142.0 | 2152.0 | 2174.7 | 2187.5 | 2204.8 | 2234.8 | 2234.8 | 2250.3 |
| 17.5° | 2298.5 | 2283.1 | 2291.2 | 2294.9 | 2309.5 | 2328.6 | 2357.7 | 2384.1 | 2397.7 | 2392.3 |
| 20°   | 2530.7 | 2511.5 | 2511.5 | 2493.3 | 2487.9 | 2503.3 | 2541.6 | 2578.0 | 2592.6 | 2564.3 |
| 22.5° | 2879.3 | 2852.0 | 2836.5 | 2774.6 | 2750.0 | 2751.9 | 2790.1 | 2834.7 | 2846.5 | 2796.5 |
| 25°   | 3322.6 | 3279.8 | 3258.9 | 3167.9 | 3112.3 | 3064.1 | 3094.1 | 3151.5 | 3167.9 | 3106.0 |
| 27.5° | 3765.9 | 3768.7 | 3748.6 | 3639.4 | 3547.5 | 3459.2 | 3443.7 | 3503.8 | 3521.1 | 3451.0 |
| 30°   | 4387.7 | 4323.1 | 4284.8 | 4153.7 | 4022.6 | 3898.8 | 3835.1 | 3859.7 | 3864.3 | 3780.5 |
| 32.5° | 4923.9 | 4907.5 | 4825.5 | 4710.8 | 4542.4 | 4348.5 | 4242.0 | 4202.9 | 4195.6 | 4076.4 |
| 35°   | 5534.7 | 5525.6 | 5439.1 | 5302.5 | 5120.5 | 4851.0 | 4659.0 | 4547.0 | 4537.9 | 4370.4 |
| 37.5° | 6155.5 | 6155.5 | 6070.8 | 5921.6 | 5733.1 | 5396.3 | 5104.1 | 4926.6 | 4897.5 | 4679.0 |
| 40°   | 6650.7 | 6620.7 | 6636.1 | 6573.3 | 6357.6 | 5999.8 | 5598.4 | 5340.8 | 5301.6 | 5039.5 |
| 42.5° | 6932.0 | 6922.0 | 7014.8 | 7084.9 | 6996.6 | 6710.8 | 6142.8 | 5789.6 | 5734.9 | 5436.4 |
| 45°   | 6994.8 | 6983.9 | 7149.6 | 7406.3 | 7530.1 | 7412.6 | 6734.5 | 6262.0 | 6195.6 | 5851.5 |
| 47.5° | 6850.1 | 6828.2 | 7071.3 | 7476.4 | 7873.2 | 8079.9 | 7375.3 | 6774.5 | 6678.0 | 6255.6 |
| 50°   | 6414.9 | 6394.0 | 6761.8 | 7299.8 | 7988.9 | 8533.2 | 8070.8 | 7318.0 | 7170.5 | 6688.9 |
| 52.5° | 5469.1 | 5479.1 | 6055.4 | 6794.5 | 7836.8 | 8815.4 | 8669.8 | 7890.5 | 7713.0 | 7132.3 |
| 55°   | 4260.2 | 4282.1 | 4990.3 | 5804.1 | 7228.8 | 8772.6 | 9078.5 | 8480.4 | 8303.8 | 7549.2 |
| 57.5° | 3050.4 | 3146.9 | 3810.5 | 4616.2 | 6060.8 | 8094.5 | 9167.7 | 9041.2 | 8870.0 | 8004.3 |
| 60°   | 1977.2 | 1994.5 | 2677.2 | 3489.2 | 4615.3 | 6889.2 | 8986.6 | 9466.3 | 9332.5 | 8468.6 |
| 62.5° | 1267.1 | 1279.0 | 1695.0 | 2440.5 | 3321.7 | 5096.8 | 8376.6 | 9651.1 | 9610.1 | 8775.4 |
| 65°   | 931.2  | 922.1  | 1138.8 | 1613.1 | 2237.5 | 3143.3 | 7192.3 | 9561.9 | 9642.9 | 8967.4 |
| 67.5° | 777.4  | 764.7  | 871.2  | 1116.9 | 1648.6 | 1785.1 | 5321.7 | 8982.0 | 9278.8 | 8945.6 |
| 70°   | 708.2  | 697.3  | 761.9  | 829.3  | 1286.3 | 1195.2 | 2682.7 | 7808.6 | 8265.6 | 8697.1 |
| 72.5° | 599.9  | 580.8  | 669.1  | 736.4  | 1000.4 | 916.7  | 1108.8 | 5998.0 | 6555.1 | 7900.6 |
| 75°   | 465.2  | 452.4  | 528.0  | 648.1  | 751.9  | 715.5  | 700.9  | 3642.1 | 4250.2 | 6110.0 |
| 77.5° | 368.7  | 351.4  | 420.6  | 505.2  | 676.4  | 539.8  | 510.7  | 1568.5 | 2171.1 | 3900.7 |
| 80°   | 277.6  | 262.2  | 319.5  | 399.6  | 519.8  | 406.9  | 330.4  | 639.9  | 818.4  | 1976.3 |
| 82.5° | 197.5  | 183.9  | 223.0  | 293.1  | 349.6  | 365.0  | 203.0  | 358.7  | 403.3  | 761.9  |
| 85°   | 126.5  | 118.3  | 149.3  | 183.9  | 222.1  | 234.9  | 123.8  | 187.5  | 205.7  | 314.1  |
| 87.5° | 69.2   | 56.4   | 80.1   | 85.6   | 102.9  | 93.8   | 59.2   | 68.3   | 73.7   | 113.8  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P951167

CATALOG NUMBER: GLAN-SB5B-927-U-T2U

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1933.5 | 0°    | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 | 1933.5 |
| 1937.1 | 2.5°  | 1940.8 | 1943.5 | 1952.6 | 1955.3 | 1961.7 | 1969.9 | 1975.4 | 1980.8 | 1980.8 | 1986.3 |
| 1966.3 | 5°    | 1967.2 | 1973.5 | 1992.7 | 2002.7 | 2019.1 | 2035.4 | 2045.5 | 2057.3 | 2064.6 | 2068.2 |
| 2012.7 | 7.5°  | 2018.2 | 2028.2 | 2055.5 | 2072.8 | 2101.0 | 2123.7 | 2139.2 | 2155.6 | 2159.2 | 2169.3 |
| 2077.3 | 10°   | 2087.3 | 2099.2 | 2130.1 | 2162.9 | 2196.6 | 2224.8 | 2239.4 | 2251.2 | 2255.7 | 2257.6 |
| 2160.2 | 12.5° | 2166.5 | 2183.8 | 2223.9 | 2263.9 | 2299.4 | 2324.0 | 2327.7 | 2324.9 | 2312.2 | 2301.3 |
| 2262.1 | 15°   | 2263.9 | 2279.4 | 2324.0 | 2367.7 | 2402.3 | 2406.9 | 2384.1 | 2369.5 | 2354.1 | 2351.3 |
| 2375.9 | 17.5° | 2380.5 | 2388.6 | 2429.6 | 2472.4 | 2475.1 | 2459.7 | 2426.0 | 2412.3 | 2397.7 | 2387.7 |
| 2524.3 | 20°   | 2516.1 | 2513.4 | 2542.5 | 2560.7 | 2541.6 | 2494.2 | 2443.3 | 2420.5 | 2405.9 | 2394.1 |
| 2706.3 | 22.5° | 2678.1 | 2657.2 | 2653.5 | 2649.0 | 2598.0 | 2498.8 | 2429.6 | 2400.5 | 2377.7 | 2361.3 |
| 2960.3 | 25°   | 2913.9 | 2833.8 | 2778.3 | 2747.3 | 2632.6 | 2474.2 | 2385.9 | 2321.3 | 2278.5 | 2250.3 |
| 3270.7 | 27.5° | 3208.8 | 3074.1 | 2933.9 | 2858.4 | 2632.6 | 2424.1 | 2280.3 | 2175.6 | 2105.5 | 2076.4 |
| 3571.1 | 30°   | 3490.1 | 3349.0 | 3142.4 | 2992.2 | 2626.2 | 2342.2 | 2110.1 | 1964.4 | 1882.5 | 1853.4 |
| 3827.8 | 32.5° | 3730.4 | 3576.6 | 3363.6 | 3138.7 | 2610.8 | 2209.3 | 1898.9 | 1737.8 | 1658.6 | 1624.0 |
| 4081.8 | 35°   | 3953.5 | 3789.6 | 3585.7 | 3299.9 | 2569.8 | 2014.5 | 1666.8 | 1543.9 | 1455.6 | 1400.1 |
| 4340.3 | 37.5° | 4182.0 | 3987.1 | 3796.0 | 3445.5 | 2496.1 | 1786.9 | 1488.4 | 1383.7 | 1279.9 | 1205.2 |
| 4615.3 | 40°   | 4430.5 | 4197.4 | 4020.8 | 3532.0 | 2375.0 | 1570.3 | 1350.0 | 1254.4 | 1144.3 | 1065.1 |
| 4932.0 | 42.5° | 4720.9 | 4449.6 | 4271.2 | 3576.6 | 2209.3 | 1416.4 | 1259.9 | 1166.1 | 1062.3 | 997.7  |
| 5271.6 | 45°   | 5024.0 | 4727.2 | 4499.6 | 3575.7 | 2024.5 | 1344.5 | 1230.7 | 1137.9 | 1023.2 | 955.8  |
| 5620.2 | 47.5° | 5341.7 | 5017.6 | 4697.2 | 3517.4 | 1864.3 | 1354.5 | 1214.4 | 1076.9 | 950.4  | 884.8  |
| 5972.5 | 50°   | 5660.3 | 5335.3 | 4888.4 | 3408.2 | 1796.0 | 1332.7 | 1153.4 | 991.3  | 842.0  | 782.9  |
| 6303.0 | 52.5° | 5976.2 | 5673.0 | 5053.1 | 3252.5 | 1726.9 | 1251.7 | 1075.1 | 880.3  | 797.4  | 756.5  |
| 6644.3 | 55°   | 6293.9 | 6007.1 | 5232.4 | 3025.9 | 1553.9 | 1157.0 | 944.0  | 838.4  | 761.9  | 724.6  |
| 6978.4 | 57.5° | 6612.5 | 6393.1 | 5402.7 | 2799.2 | 1336.3 | 1040.5 | 872.1  | 787.4  | 726.4  | 694.6  |
| 7257.9 | 60°   | 6943.8 | 6834.6 | 5578.4 | 2590.7 | 1121.5 | 891.2  | 819.3  | 746.5  | 684.6  | 649.0  |
| 7526.4 | 62.5° | 7285.2 | 7320.7 | 5715.8 | 2322.2 | 924.0  | 800.2  | 771.9  | 697.3  | 637.2  | 603.5  |
| 7748.5 | 65°   | 7629.3 | 7789.5 | 5805.9 | 1949.9 | 749.2  | 713.7  | 721.0  | 643.6  | 582.6  | 553.5  |
| 7911.5 | 67.5° | 7888.7 | 8127.2 | 5780.5 | 1475.6 | 614.5  | 631.8  | 657.2  | 587.1  | 529.8  | 507.0  |
| 7885.1 | 70°   | 7917.9 | 8087.2 | 5529.2 | 1010.4 | 514.3  | 551.6  | 586.2  | 531.6  | 472.4  | 456.1  |
| 7513.7 | 72.5° | 7530.1 | 7541.0 | 4829.2 | 660.0  | 435.1  | 484.3  | 511.6  | 475.2  | 417.8  | 401.4  |
| 6573.3 | 75°   | 6513.3 | 6236.5 | 3545.6 | 435.1  | 364.1  | 416.0  | 441.5  | 416.0  | 360.5  | 364.1  |
| 4918.4 | 77.5° | 4934.8 | 4416.8 | 2152.9 | 309.5  | 304.0  | 349.6  | 384.1  | 365.9  | 318.6  | 357.8  |
| 2473.3 | 80°   | 2542.5 | 2389.6 | 960.4  | 231.2  | 240.3  | 279.5  | 315.9  | 292.2  | 252.2  | 240.3  |
| 552.6  | 82.5° | 582.6  | 677.3  | 378.7  | 165.7  | 173.9  | 201.2  | 241.2  | 219.4  | 181.2  | 152.9  |
| 230.3  | 85°   | 203.9  | 223.0  | 167.5  | 103.8  | 102.0  | 125.6  | 163.9  | 146.6  | 122.9  | 98.3   |
| 97.4   | 87.5° | 64.6   | 84.7   | 62.8   | 41.9   | 43.7   | 56.4   | 75.6   | 69.2   | 57.3   | 37.3   |
| 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°   |
|--------|
| 1933.5 |
| 1986.3 |
| 2070.0 |
| 2165.6 |
| 2253.0 |
| 2301.3 |
| 2351.3 |
| 2388.6 |
| 2395.0 |
| 2366.8 |
| 2261.2 |
| 2091.0 |
| 1870.7 |
| 1641.3 |
| 1418.3 |
| 1225.3 |
| 1080.5 |
| 1010.4 |
| 966.7  |
| 893.9  |
| 786.5  |
| 756.5  |
| 721.0  |
| 689.1  |
| 646.3  |
| 602.6  |
| 552.6  |
| 508.0  |
| 457.0  |
| 400.5  |
| 351.4  |
| 315.0  |
| 219.4  |
| 151.1  |
| 103.8  |
| 39.1   |
| 0.0    |