

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: P947314

Luminaire Tested: **GLAN-SB2C-950-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10356 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

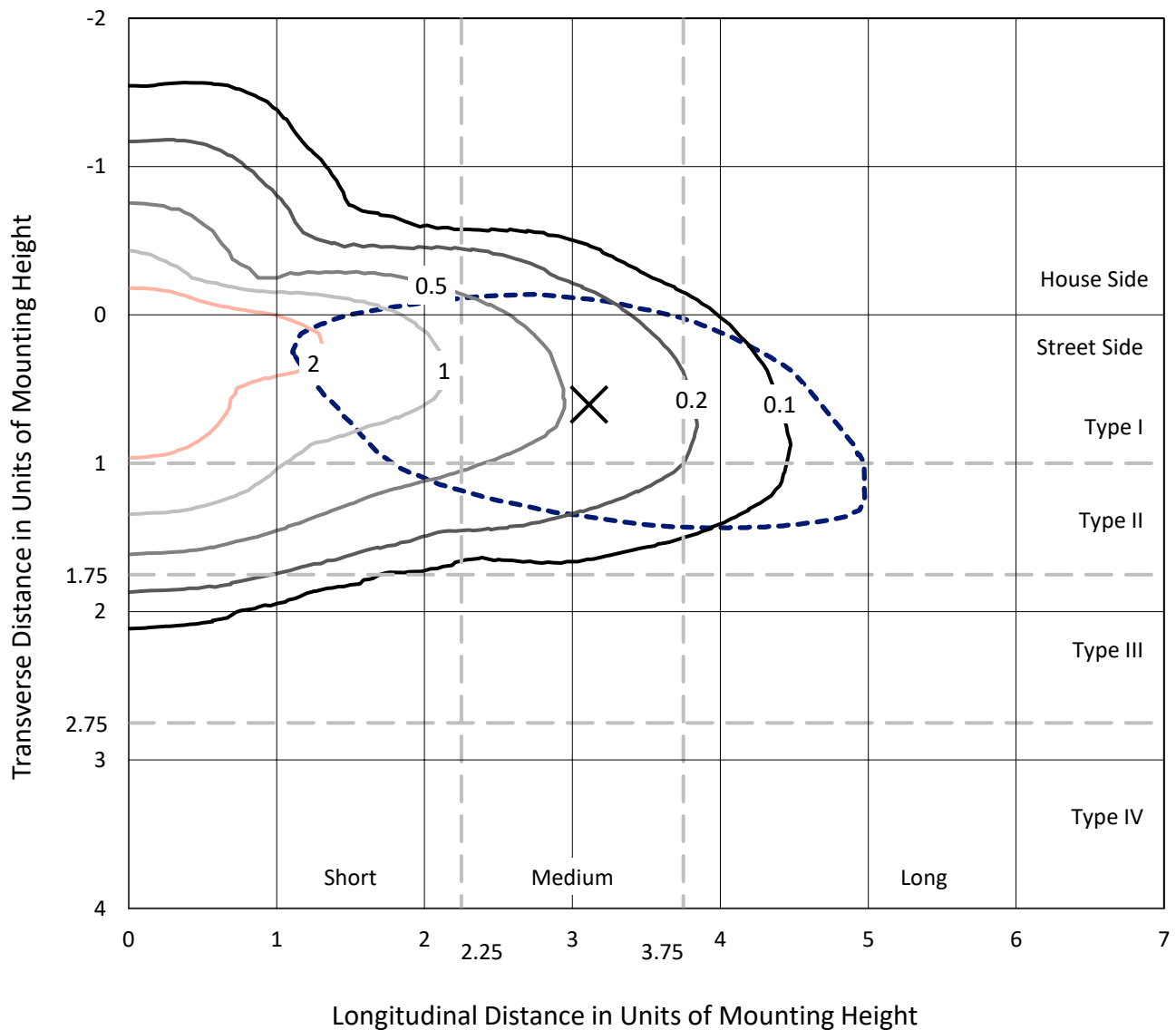
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P947314  
CATALOG NUMBER: GLAN-SB2C-950-U-SL2

## Iso-Footcandle Lines of Horizontal Illumination

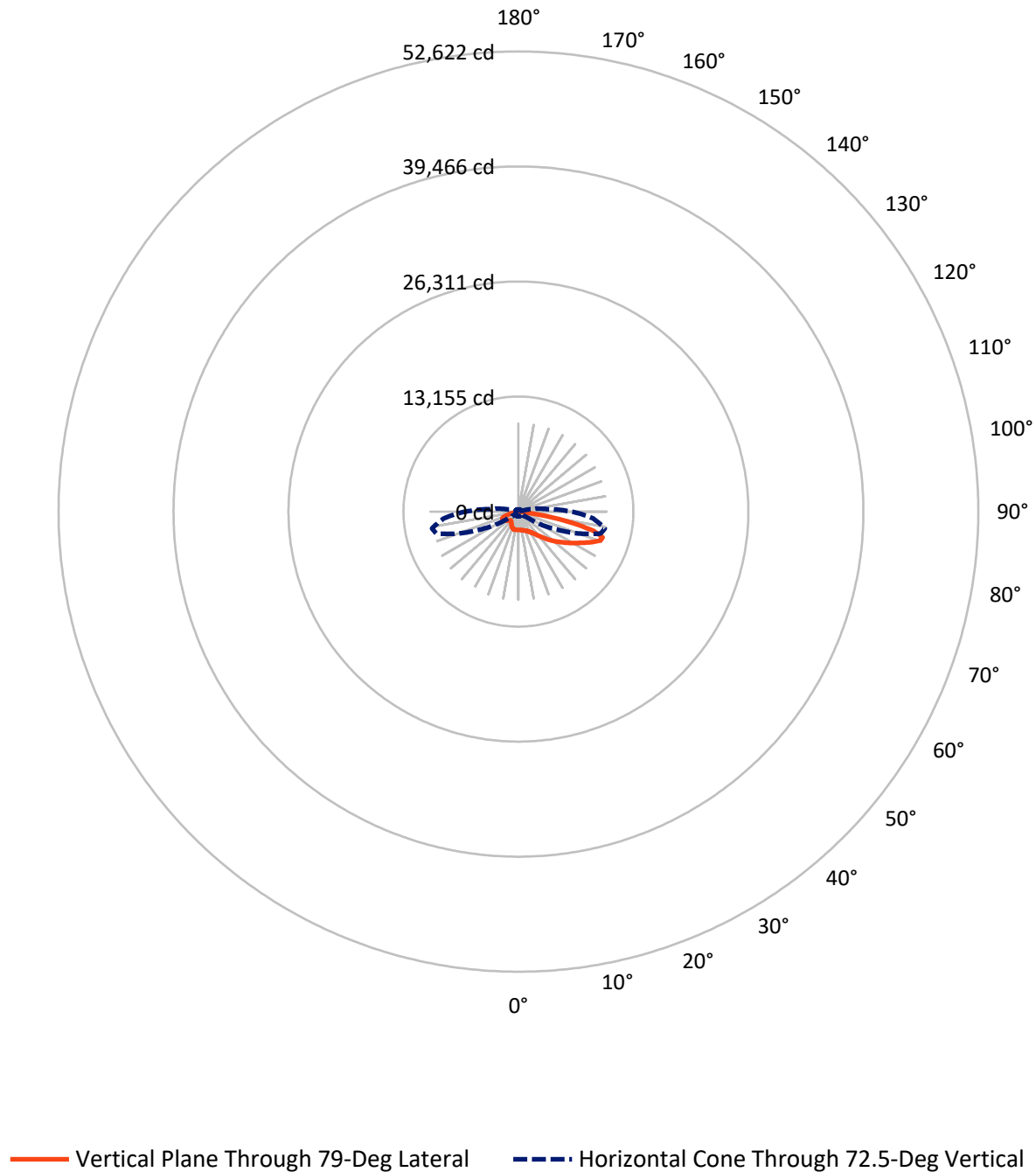
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
Type II - Medium - N/A

REPORT NUMBER: P947314  
CATALOG NUMBER: GLAN-SB2C-950-U-SL2

## Luminous Intensity Polar Plot



REPORT NUMBER: P947314

CATALOG NUMBER: GLAN-SB2C-950-U-SL2

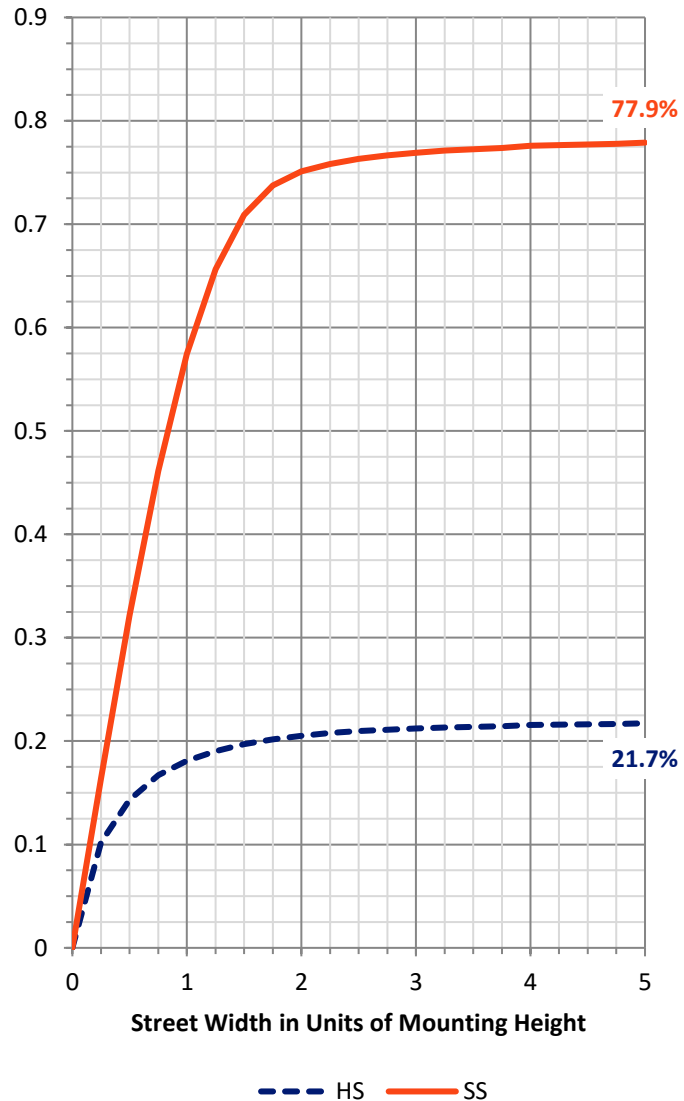
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2278.9   | 0.0    | 2278.9  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 8077.1   | 0.0    | 8077.1  |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 10356.0  | 0.0    | 10356.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 188.7   | 1.8       |
| 10°-20°   | 493.4   | 4.8       |
| 20°-30°   | 796.1   | 7.7       |
| 30°-40°   | 1194.8  | 11.5      |
| 40°-50°   | 1694.9  | 16.4      |
| 50°-60°   | 2140.4  | 20.7      |
| 60°-70°   | 2173.9  | 21.0      |
| 70°-80°   | 1481.6  | 14.3      |
| 80°-90°   | 192.2   | 1.9       |
| 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°    | 10356.0 | 100.0     |
| 0°-180°   | 10356.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P947314

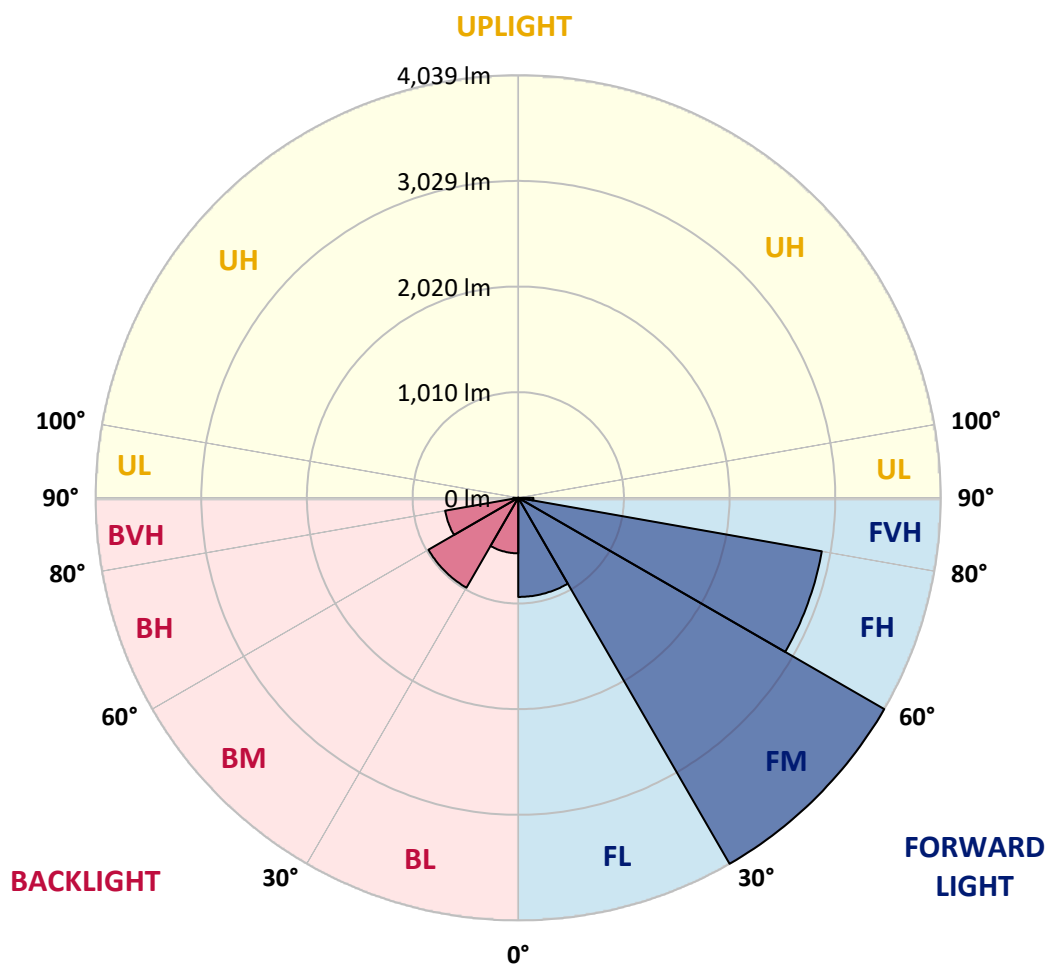
CATALOG NUMBER: GLAN-SB2C-950-U-SL2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 947.3  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 4039.1 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 2945.9 | 28.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 144.8  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 530.8  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 991.1  | 9.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 709.6  | 6.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 47.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



REPORT NUMBER: P947314

CATALOG NUMBER: GLAN-SB2C-950-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 79°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9  |
| 2.5°  | 2080.0 | 2070.1 | 2076.1 | 2073.9 | 2076.7 | 2080.0 | 2081.1 | 2082.7 | 2088.2 | 2087.6  |
| 5°    | 2075.6 | 2065.7 | 2073.9 | 2071.2 | 2078.3 | 2086.0 | 2092.6 | 2098.6 | 2107.4 | 2111.2  |
| 7.5°  | 2066.3 | 2059.7 | 2067.9 | 2076.1 | 2089.3 | 2100.8 | 2110.1 | 2123.8 | 2136.4 | 2138.6  |
| 10°   | 2012.0 | 2007.1 | 2026.3 | 2047.6 | 2083.8 | 2115.0 | 2135.3 | 2151.2 | 2164.9 | 2167.1  |
| 12.5° | 1955.6 | 1949.6 | 1971.0 | 2000.0 | 2058.6 | 2115.0 | 2157.8 | 2178.6 | 2190.6 | 2197.7  |
| 15°   | 1946.3 | 1941.4 | 1953.4 | 1978.6 | 2027.4 | 2100.2 | 2173.1 | 2211.4 | 2221.8 | 2230.1  |
| 17.5° | 1991.2 | 1981.9 | 1986.8 | 1995.6 | 2024.1 | 2086.5 | 2185.1 | 2248.7 | 2264.6 | 2273.3  |
| 20°   | 2095.3 | 2082.2 | 2074.5 | 2057.0 | 2052.0 | 2088.7 | 2184.0 | 2293.6 | 2314.4 | 2325.4  |
| 22.5° | 2233.9 | 2225.1 | 2208.7 | 2164.3 | 2116.1 | 2115.6 | 2204.9 | 2351.1 | 2390.0 | 2400.4  |
| 25°   | 2401.5 | 2388.4 | 2367.6 | 2307.3 | 2214.7 | 2168.7 | 2239.9 | 2424.5 | 2489.7 | 2492.5  |
| 27.5° | 2594.3 | 2574.6 | 2546.1 | 2466.7 | 2341.8 | 2252.0 | 2293.6 | 2508.9 | 2604.2 | 2603.1  |
| 30°   | 2797.6 | 2777.9 | 2747.7 | 2651.3 | 2494.1 | 2364.3 | 2368.1 | 2599.8 | 2740.1 | 2734.0  |
| 32.5° | 2946.0 | 2931.2 | 2925.2 | 2850.7 | 2669.4 | 2496.8 | 2453.6 | 2700.6 | 2907.7 | 2902.2  |
| 35°   | 3060.0 | 3040.8 | 3047.9 | 3010.1 | 2860.6 | 2645.3 | 2558.2 | 2820.6 | 3111.5 | 3110.9  |
| 37.5° | 3172.8 | 3155.8 | 3161.9 | 3136.7 | 3037.5 | 2833.7 | 2685.8 | 2967.4 | 3364.0 | 3376.0  |
| 40°   | 3275.8 | 3257.7 | 3281.8 | 3258.3 | 3175.0 | 3034.2 | 2831.0 | 3133.4 | 3656.5 | 3679.5  |
| 42.5° | 3337.7 | 3323.5 | 3363.4 | 3364.0 | 3294.4 | 3203.5 | 2990.4 | 3316.3 | 3995.0 | 4046.5  |
| 45°   | 3359.1 | 3354.1 | 3414.4 | 3427.0 | 3400.1 | 3301.5 | 3133.9 | 3515.7 | 4359.9 | 4451.9  |
| 47.5° | 3336.0 | 3326.7 | 3410.0 | 3456.6 | 3477.9 | 3347.6 | 3252.8 | 3731.6 | 4732.4 | 4867.1  |
| 50°   | 3219.9 | 3201.8 | 3325.6 | 3423.7 | 3499.8 | 3377.7 | 3372.8 | 3980.8 | 5155.8 | 5303.2  |
| 52.5° | 3011.2 | 2997.5 | 3138.3 | 3308.7 | 3451.6 | 3392.5 | 3507.5 | 4253.1 | 5557.9 | 5748.5  |
| 55°   | 2744.4 | 2726.4 | 2881.4 | 3103.8 | 3331.7 | 3387.5 | 3642.3 | 4557.6 | 6032.3 | 6225.6  |
| 57.5° | 2321.5 | 2285.4 | 2481.5 | 2744.4 | 3136.1 | 3381.5 | 3782.5 | 4860.6 | 6514.3 | 6746.1  |
| 60°   | 1704.7 | 1651.0 | 1891.5 | 2203.2 | 2753.7 | 3322.9 | 3956.1 | 5200.2 | 7092.8 | 7301.5  |
| 62.5° | 992.6  | 961.4  | 1118.6 | 1409.5 | 2075.6 | 2977.8 | 4053.7 | 5595.1 | 7661.4 | 7880.5  |
| 65°   | 770.7  | 762.0  | 775.7  | 798.1  | 1155.3 | 2229.5 | 3752.9 | 5980.2 | 8384.5 | 8537.9  |
| 67.5° | 705.0  | 698.4  | 704.5  | 662.3  | 586.1  | 1241.8 | 2969.0 | 6077.7 | 9159.1 | 9252.2  |
| 70°   | 626.7  | 619.0  | 638.7  | 602.6  | 461.2  | 564.8  | 1918.4 | 5723.9 | 9775.3 | 9950.1  |
| 72.5° | 510.5  | 501.8  | 547.8  | 531.4  | 388.4  | 362.6  | 963.6  | 4883.0 | 9710.7 | 10073.3 |
| 75°   | 392.2  | 387.3  | 442.1  | 455.8  | 316.6  | 285.4  | 462.3  | 3629.7 | 8545.5 | 8910.9  |
| 77.5° | 304.6  | 300.7  | 328.7  | 378.5  | 255.3  | 221.3  | 284.3  | 2302.4 | 6439.8 | 6503.9  |
| 80°   | 228.4  | 217.5  | 243.2  | 293.1  | 198.8  | 161.6  | 192.8  | 1342.6 | 4070.6 | 3689.9  |
| 82.5° | 143.0  | 137.5  | 158.9  | 195.6  | 140.2  | 111.2  | 125.4  | 741.7  | 1631.3 | 960.8   |
| 85°   | 81.6   | 79.4   | 86.6   | 111.7  | 76.1   | 64.1   | 71.8   | 327.6  | 298.0  | 204.9   |
| 87.5° | 32.9   | 31.8   | 39.4   | 49.8   | 27.9   | 23.6   | 25.2   | 78.9   | 65.7   | 60.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

REPORT NUMBER: P947314

CATALOG NUMBER: GLAN-SB2C-950-U-SL2

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2078.9 | 0°    | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 | 2078.9 |
| 2087.1 | 2.5°  | 2084.9 | 2084.9 | 2077.2 | 2065.2 | 2051.5 | 2042.7 | 2028.5 | 2024.6 | 2009.8 | 2005.5 |
| 2105.7 | 5°    | 2110.1 | 2105.7 | 2082.2 | 2048.2 | 2001.6 | 1958.9 | 1911.8 | 1882.2 | 1840.6 | 1825.8 |
| 2142.4 | 7.5°  | 2141.9 | 2129.8 | 2089.3 | 2014.8 | 1917.3 | 1821.4 | 1721.7 | 1646.1 | 1573.8 | 1548.1 |
| 2172.5 | 10°   | 2170.9 | 2153.9 | 2084.9 | 1954.5 | 1785.8 | 1619.8 | 1461.0 | 1349.8 | 1265.4 | 1230.9 |
| 2206.0 | 12.5° | 2199.9 | 2168.7 | 2055.9 | 1854.3 | 1599.0 | 1373.9 | 1204.6 | 1118.0 | 1066.0 | 1024.4 |
| 2233.3 | 15°   | 2227.3 | 2183.5 | 2010.9 | 1720.1 | 1394.1 | 1165.7 | 1040.8 | 971.8  | 930.1  | 902.8  |
| 2273.3 | 17.5° | 2259.1 | 2196.1 | 1943.6 | 1549.7 | 1199.1 | 1021.6 | 919.7  | 878.1  | 869.9  | 866.6  |
| 2328.1 | 20°   | 2303.5 | 2207.6 | 1854.8 | 1359.1 | 1055.6 | 906.6  | 854.0  | 850.2  | 849.6  | 848.0  |
| 2393.8 | 22.5° | 2351.1 | 2221.3 | 1737.6 | 1186.0 | 933.4  | 834.8  | 825.5  | 817.9  | 812.9  | 812.4  |
| 2473.3 | 25°   | 2407.5 | 2225.7 | 1590.8 | 1044.1 | 829.4  | 800.9  | 789.9  | 778.4  | 775.1  | 775.1  |
| 2563.7 | 27.5° | 2462.3 | 2210.9 | 1419.9 | 920.8  | 770.7  | 769.6  | 755.4  | 751.6  | 751.0  | 752.7  |
| 2666.6 | 30°   | 2517.1 | 2182.9 | 1250.1 | 806.9  | 736.8  | 736.8  | 731.8  | 734.6  | 736.8  | 742.3  |
| 2808.0 | 32.5° | 2591.1 | 2153.4 | 1108.2 | 722.5  | 707.2  | 701.7  | 706.7  | 712.1  | 714.3  | 721.4  |
| 2993.7 | 35°   | 2699.5 | 2132.6 | 995.3  | 676.5  | 676.5  | 669.4  | 672.1  | 671.0  | 666.1  | 662.8  |
| 3218.3 | 37.5° | 2843.0 | 2131.5 | 902.2  | 655.2  | 650.8  | 649.7  | 650.2  | 643.1  | 623.9  | 600.9  |
| 3490.0 | 40°   | 3015.6 | 2161.0 | 830.5  | 640.4  | 637.1  | 643.7  | 640.4  | 621.2  | 568.6  | 528.6  |
| 3824.1 | 42.5° | 3247.3 | 2245.4 | 784.4  | 622.3  | 632.2  | 640.4  | 627.2  | 560.9  | 525.3  | 498.5  |
| 4204.8 | 45°   | 3520.1 | 2382.3 | 760.9  | 603.1  | 622.8  | 632.7  | 569.2  | 540.1  | 511.6  | 479.3  |
| 4620.1 | 47.5° | 3829.1 | 2554.9 | 755.4  | 585.0  | 602.0  | 608.0  | 544.5  | 531.4  | 499.0  | 464.0  |
| 5037.5 | 50°   | 4165.4 | 2759.2 | 770.2  | 563.7  | 571.9  | 551.1  | 536.3  | 524.2  | 490.8  | 456.3  |
| 5465.3 | 52.5° | 4513.3 | 2984.4 | 799.8  | 534.6  | 541.8  | 518.8  | 533.0  | 522.6  | 485.9  | 439.3  |
| 5907.4 | 55°   | 4855.1 | 3211.2 | 828.3  | 500.7  | 511.1  | 489.7  | 523.7  | 516.0  | 463.4  | 410.8  |
| 6379.0 | 57.5° | 5202.4 | 3436.8 | 856.2  | 470.6  | 481.5  | 461.8  | 508.9  | 498.5  | 438.2  | 384.5  |
| 6894.0 | 60°   | 5563.4 | 3656.0 | 869.3  | 441.5  | 449.2  | 436.0  | 486.4  | 468.4  | 409.7  | 357.7  |
| 7400.1 | 62.5° | 5901.4 | 3838.4 | 848.0  | 412.5  | 417.4  | 411.9  | 456.9  | 432.8  | 381.3  | 327.6  |
| 7927.6 | 65°   | 6240.4 | 3946.8 | 782.2  | 384.0  | 385.1  | 382.4  | 415.2  | 394.4  | 347.8  | 301.3  |
| 8389.4 | 67.5° | 6547.8 | 4007.6 | 677.6  | 353.3  | 350.6  | 349.5  | 376.3  | 352.8  | 315.5  | 275.0  |
| 8740.6 | 70°   | 6612.9 | 3853.2 | 517.7  | 317.2  | 317.2  | 314.4  | 333.6  | 309.5  | 279.9  | 247.1  |
| 8489.1 | 72.5° | 6039.9 | 3241.3 | 367.6  | 276.1  | 280.5  | 275.0  | 290.9  | 270.6  | 243.8  | 221.9  |
| 7316.3 | 75°   | 4870.4 | 2376.9 | 267.3  | 233.9  | 241.6  | 232.3  | 247.1  | 232.8  | 209.8  | 209.3  |
| 5041.9 | 77.5° | 3346.5 | 1469.7 | 193.9  | 192.8  | 198.3  | 186.2  | 203.2  | 195.6  | 174.7  | 165.4  |
| 2194.5 | 80°   | 1428.1 | 586.1  | 141.3  | 149.0  | 149.0  | 138.0  | 157.8  | 160.0  | 141.9  | 137.5  |
| 423.4  | 82.5° | 284.3  | 166.5  | 99.2   | 102.4  | 96.4   | 93.1   | 111.7  | 123.8  | 170.9  | 190.1  |
| 127.6  | 85°   | 85.5   | 61.4   | 59.7   | 55.9   | 49.3   | 49.8   | 65.7   | 124.3  | 153.4  | 87.6   |
| 42.2   | 87.5° | 23.6   | 15.3   | 15.9   | 12.6   | 10.4   | 13.7   | 22.5   | 94.2   | 51.5   | 21.9   |
| 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°   |
|--------|
| 2078.9 |
| 2012.6 |
| 1836.7 |
| 1551.3 |
| 1238.6 |
| 1038.1 |
| 907.7  |
| 868.8  |
| 853.5  |
| 818.4  |
| 778.4  |
| 757.0  |
| 746.1  |
| 727.5  |
| 670.5  |
| 601.5  |
| 527.5  |
| 497.4  |
| 477.1  |
| 461.2  |
| 452.5  |
| 436.0  |
| 408.1  |
| 383.5  |
| 356.1  |
| 327.0  |
| 298.0  |
| 271.7  |
| 246.0  |
| 215.3  |
| 188.4  |
| 155.0  |
| 137.5  |
| 190.6  |
| 75.6   |
| 18.6   |
| 0.0    |