

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: P941894

Luminaire Tested: **GLAN-SB5C-927-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16815 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 249.5  
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



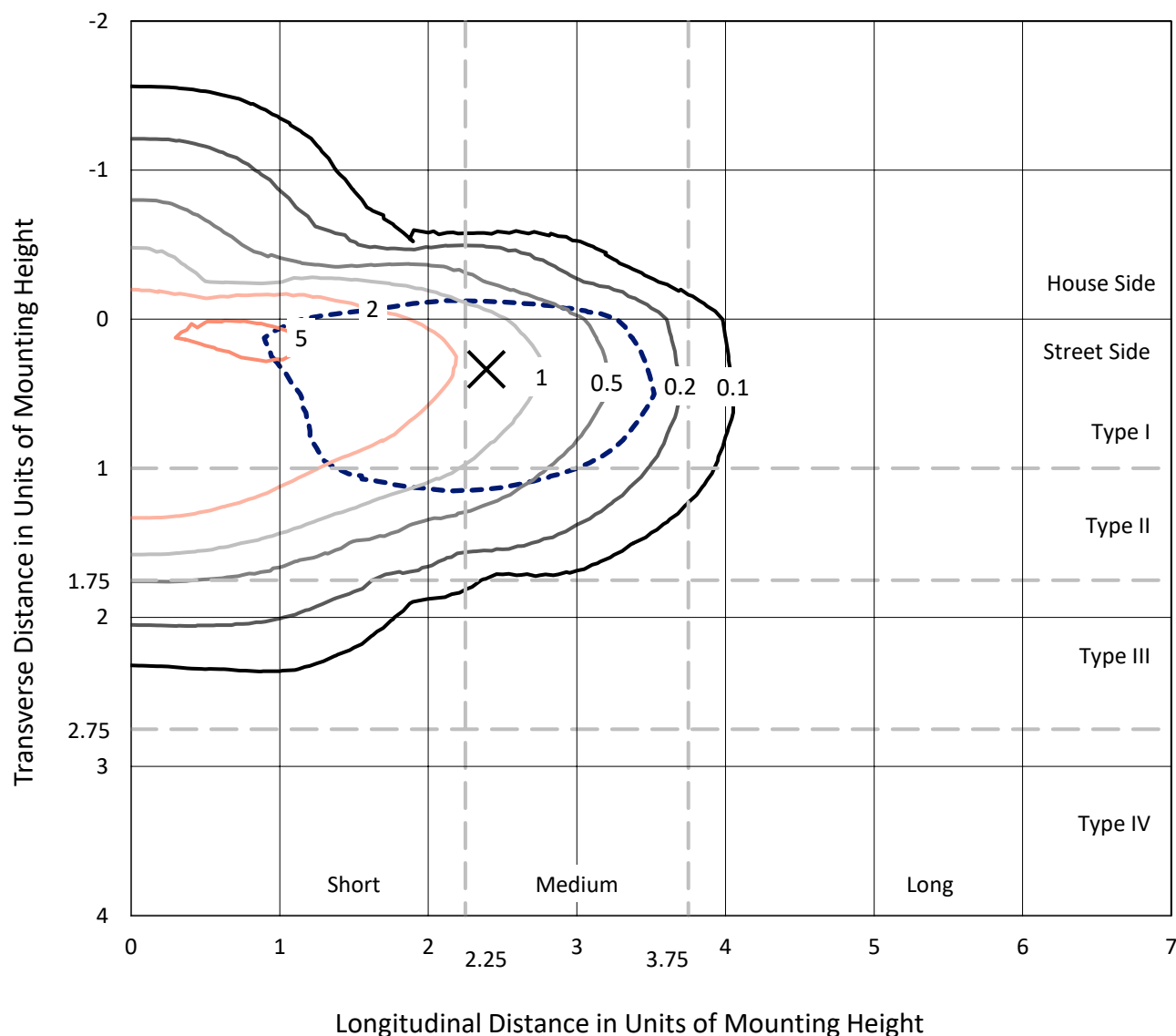
REPORT NUMBER: P941894

CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

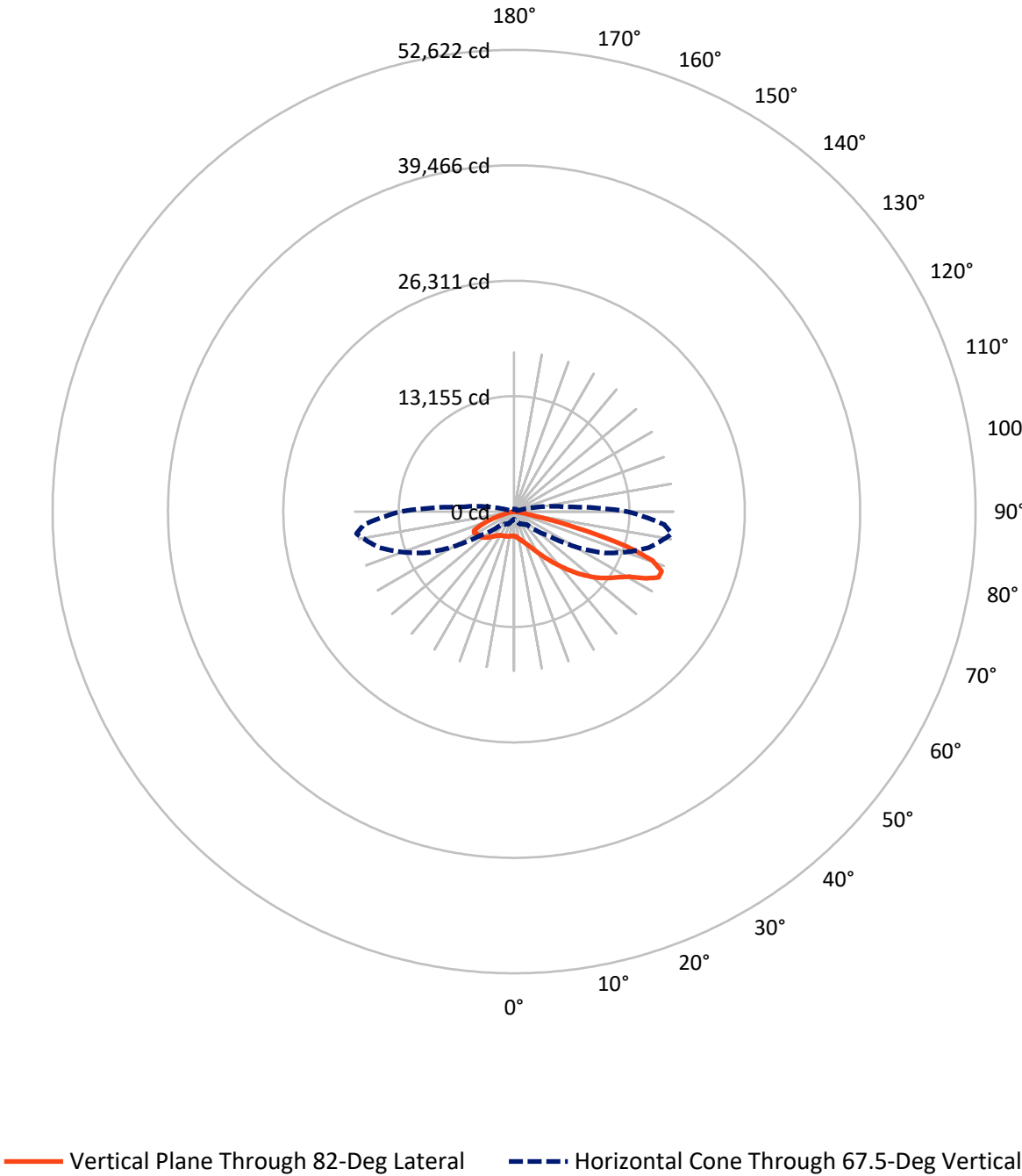
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P941894  
CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P941894

CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

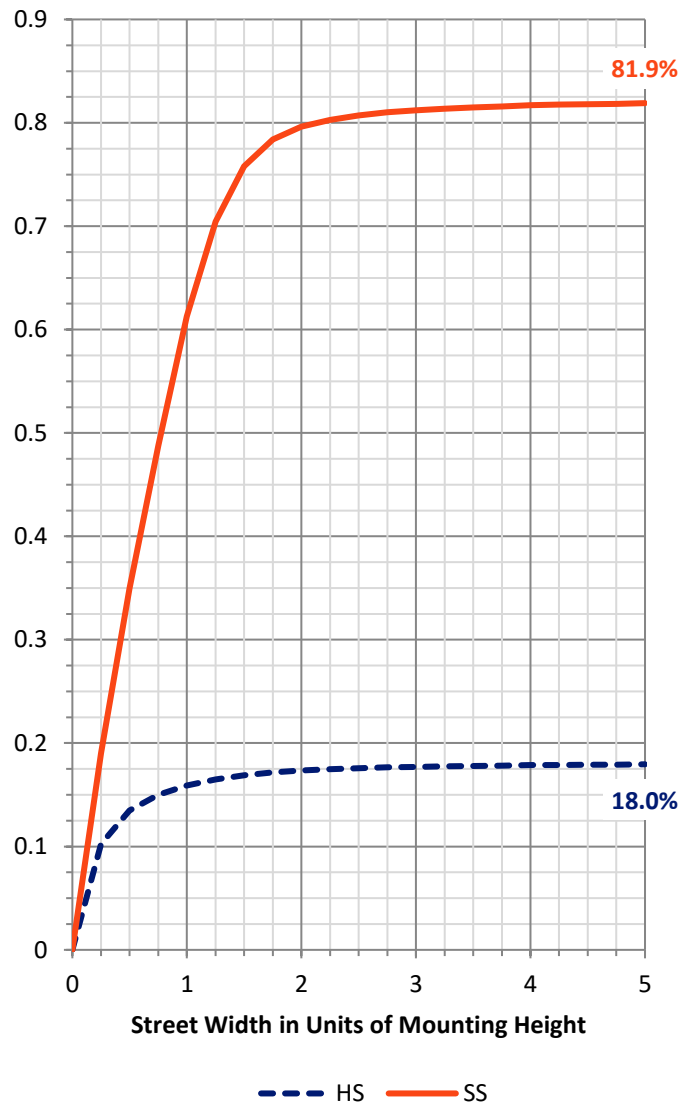
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3045.9   | 0.0    | 3045.9  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 13769.1  | 0.0    | 13769.1 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 16815.0  | 0.0    | 16815.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 248.2   | 1.5       |
| 10°-20°   | 644.9   | 3.8       |
| 20°-30°   | 1033.0  | 6.1       |
| 30°-40°   | 1826.6  | 10.9      |
| 40°-50°   | 3200.4  | 19.0      |
| 50°-60°   | 4268.4  | 25.4      |
| 60°-70°   | 3973.7  | 23.6      |
| 70°-80°   | 1525.1  | 9.1       |
| 80°-90°   | 94.7    | 0.6       |
| 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°    | 16815.0 | 100.0     |
| 0°-180°   | 16815.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941894

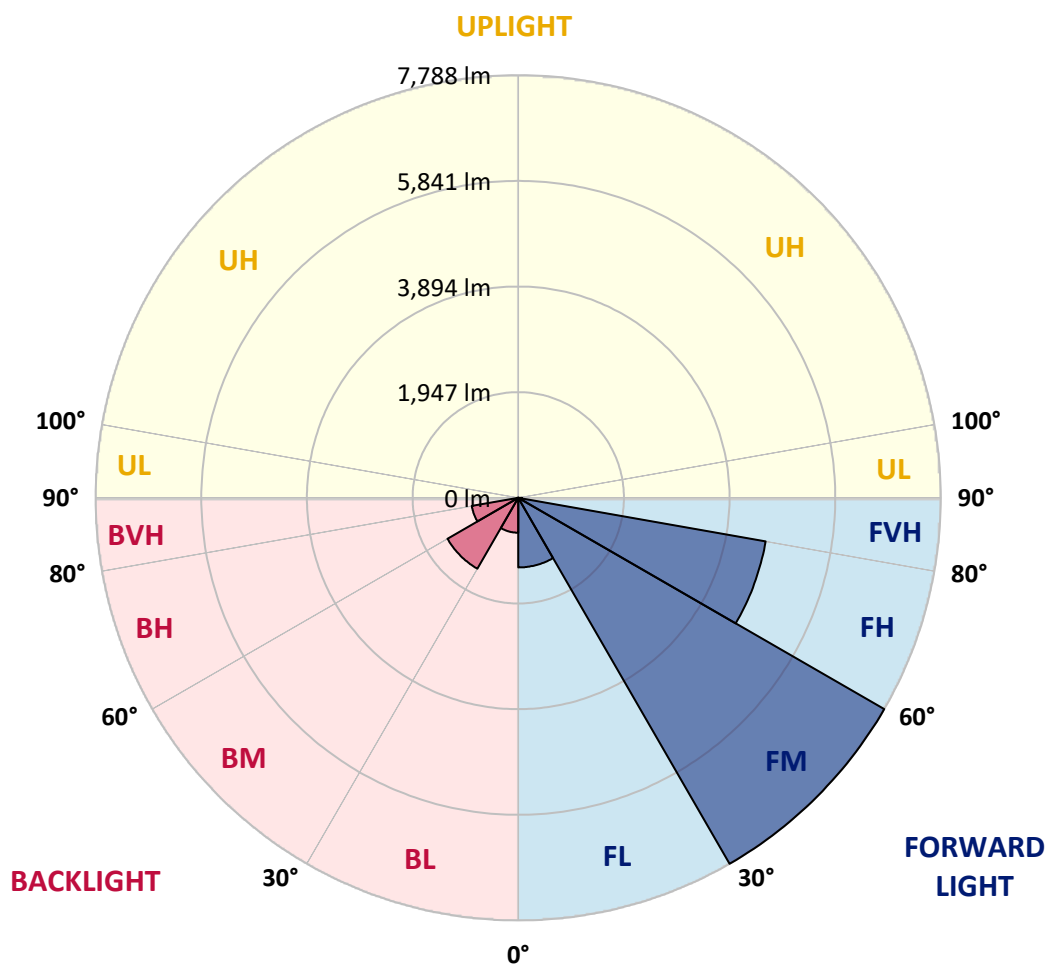
CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1282.8 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 7788.0 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 4629.4 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 68.9   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 643.3  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1507.4 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 869.4  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 25.9   | 0.2       |                         |      | 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: P941894

CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7  | 2785.7  | 2785.7  |
| 2.5°  | 2944.3 | 2961.2 | 2951.5 | 2946.7 | 2938.2 | 2926.1 | 2916.4 | 2886.2  | 2854.7  | 2834.1  |
| 5°    | 3003.6 | 3020.5 | 3019.3 | 3024.2 | 3030.2 | 3033.9 | 3031.4 | 2997.5  | 2952.7  | 2917.6  |
| 7.5°  | 2952.7 | 2972.1 | 2987.9 | 3012.1 | 3054.4 | 3099.2 | 3121.0 | 3113.8  | 3067.8  | 3019.3  |
| 10°   | 2808.7 | 2829.3 | 2866.8 | 2923.7 | 3013.3 | 3110.1 | 3191.2 | 3228.8  | 3199.7  | 3146.4  |
| 12.5° | 2544.8 | 2565.3 | 2639.2 | 2762.7 | 2912.8 | 3081.1 | 3236.0 | 3336.5  | 3343.8  | 3290.5  |
| 15°   | 2248.2 | 2268.7 | 2347.4 | 2502.4 | 2731.2 | 3001.2 | 3260.2 | 3450.3  | 3514.5  | 3468.5  |
| 17.5° | 2064.1 | 2082.3 | 2141.6 | 2266.3 | 2504.8 | 2841.4 | 3251.8 | 3571.4  | 3717.9  | 3681.5  |
| 20°   | 2008.4 | 2024.2 | 2052.0 | 2139.2 | 2337.7 | 2675.5 | 3196.1 | 3685.2  | 3937.0  | 3916.4  |
| 22.5° | 2067.8 | 2082.3 | 2090.8 | 2129.5 | 2254.2 | 2566.6 | 3125.9 | 3801.4  | 4191.2  | 4193.6  |
| 25°   | 2204.6 | 2219.1 | 2209.4 | 2233.6 | 2288.1 | 2532.7 | 3099.2 | 3938.2  | 4510.8  | 4537.5  |
| 27.5° | 2429.7 | 2431.0 | 2408.0 | 2406.7 | 2415.2 | 2583.5 | 3127.1 | 4084.7  | 4914.0  | 4963.6  |
| 30°   | 2881.3 | 2863.2 | 2774.8 | 2679.1 | 2635.6 | 2736.0 | 3204.6 | 4257.8  | 5389.8  | 5478.1  |
| 32.5° | 3577.4 | 3550.8 | 3388.6 | 3159.8 | 2929.7 | 2981.8 | 3343.8 | 4455.1  | 5907.9  | 6067.7  |
| 35°   | 4332.9 | 4325.6 | 4156.1 | 3815.9 | 3414.0 | 3331.7 | 3570.2 | 4714.2  | 6473.3  | 6727.5  |
| 37.5° | 5035.0 | 5031.4 | 4934.6 | 4533.8 | 4044.7 | 3819.6 | 3933.4 | 5053.2  | 7078.6  | 7446.6  |
| 40°   | 5676.7 | 5687.6 | 5590.7 | 5232.4 | 4739.6 | 4445.5 | 4427.3 | 5472.1  | 7751.7  | 8229.9  |
| 42.5° | 6231.2 | 6243.3 | 6145.2 | 5880.1 | 5426.1 | 5137.9 | 5033.8 | 5985.4  | 8409.1  | 9071.3  |
| 45°   | 6607.7 | 6682.7 | 6668.2 | 6456.3 | 6130.7 | 5831.6 | 5762.6 | 6629.4  | 9158.5  | 9963.5  |
| 47.5° | 6714.2 | 6783.2 | 6892.2 | 6921.2 | 6722.7 | 6428.5 | 6510.8 | 7405.5  | 9916.3  | 10857.0 |
| 50°   | 6451.5 | 6515.7 | 6742.0 | 7043.5 | 7181.5 | 7090.7 | 7238.4 | 8237.2  | 10692.3 | 11748.0 |
| 52.5° | 5933.3 | 5998.7 | 6284.4 | 6761.4 | 7324.4 | 7610.1 | 7968.4 | 9056.8  | 11444.2 | 12591.8 |
| 55°   | 5183.9 | 5253.0 | 5619.8 | 6159.7 | 7052.0 | 7824.3 | 8577.4 | 9875.2  | 12133.0 | 13350.9 |
| 57.5° | 4164.6 | 4215.4 | 4596.8 | 5352.2 | 6366.7 | 7611.3 | 9026.5 | 10768.6 | 12781.9 | 14096.7 |
| 60°   | 2714.2 | 2759.0 | 3202.1 | 4044.7 | 5231.2 | 6899.4 | 9116.1 | 11765.0 | 13643.9 | 15066.4 |
| 62.5° | 1805.1 | 1835.3 | 2098.0 | 2716.7 | 3684.0 | 5532.6 | 8591.9 | 12560.4 | 14907.8 | 16754.0 |
| 65°   | 1238.5 | 1268.7 | 1531.5 | 1962.4 | 2380.1 | 3659.8 | 7084.6 | 12455.0 | 16053.1 | 18094.2 |
| 67.5° | 883.8  | 909.2  | 1131.9 | 1538.7 | 1722.7 | 2125.9 | 4802.6 | 11108.8 | 15888.4 | 18145.0 |
| 70°   | 633.2  | 647.7  | 831.7  | 1198.5 | 1369.2 | 1277.2 | 2670.7 | 8496.3  | 13911.4 | 16755.2 |
| 72.5° | 443.1  | 447.9  | 577.5  | 912.8  | 1102.9 | 932.2  | 1271.2 | 5664.6  | 10521.6 | 13151.2 |
| 75°   | 300.2  | 306.3  | 388.6  | 669.5  | 885.0  | 711.9  | 673.1  | 3037.5  | 6176.7  | 7279.6  |
| 77.5° | 184.0  | 186.4  | 250.6  | 457.6  | 662.2  | 542.4  | 433.4  | 1286.9  | 2389.8  | 2346.2  |
| 80°   | 104.1  | 104.1  | 159.8  | 284.5  | 451.6  | 349.9  | 303.9  | 547.2   | 756.6   | 664.6   |
| 82.5° | 58.1   | 59.3   | 116.2  | 176.8  | 299.0  | 207.0  | 167.1  | 253.0   | 326.9   | 289.3   |
| 85°   | 24.2   | 26.6   | 71.4   | 83.5   | 142.9  | 102.9  | 67.8   | 106.5   | 121.1   | 107.7   |
| 87.5° | 2.4    | 3.6    | 21.8   | 15.7   | 16.9   | 20.6   | 9.7    | 20.6    | 16.9    | 16.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P941894

CATALOG NUMBER: GLAN-SB5C-927-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2785.7  | 0°    | 2785.7  | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 | 2785.7 |
| 2826.8  | 2.5°  | 2803.8  | 2785.7 | 2739.7 | 2686.4 | 2616.2 | 2582.3 | 2536.3 | 2504.8 | 2478.2 | 2480.6 |
| 2897.1  | 5°    | 2858.3  | 2812.3 | 2709.4 | 2581.1 | 2421.3 | 2307.5 | 2186.4 | 2102.9 | 2035.1 | 2020.6 |
| 2993.9  | 7.5°  | 2933.4  | 2860.7 | 2680.4 | 2449.1 | 2179.1 | 1974.5 | 1791.7 | 1674.3 | 1590.8 | 1564.1 |
| 3111.3  | 10°   | 3030.2  | 2924.9 | 2642.8 | 2283.3 | 1894.6 | 1634.4 | 1438.2 | 1346.2 | 1289.3 | 1270.0 |
| 3249.4  | 12.5° | 3142.8  | 2998.7 | 2593.2 | 2081.1 | 1601.7 | 1351.1 | 1226.4 | 1180.4 | 1162.2 | 1156.2 |
| 3418.8  | 15°   | 3284.5  | 3090.8 | 2518.1 | 1841.4 | 1353.5 | 1178.0 | 1124.7 | 1118.6 | 1121.1 | 1118.6 |
| 3622.2  | 17.5° | 3452.7  | 3191.2 | 2395.9 | 1594.4 | 1186.4 | 1089.6 | 1070.2 | 1075.0 | 1081.1 | 1079.9 |
| 3849.8  | 20°   | 3636.8  | 3290.5 | 2239.7 | 1375.3 | 1072.6 | 1026.6 | 1015.7 | 1020.6 | 1025.4 | 1023.0 |
| 4112.5  | 22.5° | 3846.2  | 3397.0 | 2066.6 | 1204.6 | 996.4  | 968.5  | 956.4  | 957.6  | 957.6  | 952.8  |
| 4445.5  | 25°   | 4096.8  | 3514.5 | 1885.0 | 1083.5 | 938.2  | 916.5  | 901.9  | 897.1  | 889.8  | 875.3  |
| 4849.8  | 27.5° | 4395.8  | 3639.2 | 1710.6 | 998.8  | 892.2  | 871.7  | 854.7  | 842.6  | 824.4  | 800.2  |
| 5335.3  | 30°   | 4732.4  | 3790.5 | 1562.9 | 945.5  | 855.9  | 835.3  | 816.0  | 797.8  | 771.2  | 740.9  |
| 5893.4  | 32.5° | 5128.3  | 3952.7 | 1455.2 | 910.4  | 823.2  | 801.4  | 778.4  | 756.6  | 727.6  | 697.3  |
| 6520.5  | 35°   | 5600.4  | 4148.9 | 1392.2 | 886.2  | 797.8  | 768.8  | 743.3  | 719.1  | 697.3  | 670.7  |
| 7202.1  | 37.5° | 6112.5  | 4357.1 | 1372.9 | 874.1  | 780.9  | 736.1  | 707.0  | 690.1  | 687.6  | 671.9  |
| 7939.4  | 40°   | 6673.0  | 4604.1 | 1387.4 | 866.8  | 762.7  | 704.6  | 673.1  | 669.5  | 675.5  | 647.7  |
| 8727.5  | 42.5° | 7266.2  | 4897.0 | 1411.6 | 858.3  | 737.3  | 673.1  | 642.8  | 642.8  | 638.0  | 599.3  |
| 9560.4  | 45°   | 7907.9  | 5234.8 | 1435.8 | 837.8  | 707.0  | 641.6  | 618.6  | 610.2  | 589.6  | 552.1  |
| 10398.2 | 47.5° | 8554.4  | 5578.6 | 1454.0 | 800.2  | 670.7  | 615.0  | 594.4  | 575.1  | 544.8  | 510.9  |
| 11220.2 | 50°   | 9168.2  | 5887.3 | 1434.6 | 744.5  | 629.5  | 589.6  | 567.8  | 541.2  | 508.5  | 485.5  |
| 11998.6 | 52.5° | 9716.6  | 6154.9 | 1352.3 | 679.2  | 585.9  | 562.9  | 543.6  | 515.7  | 489.1  | 464.9  |
| 12700.8 | 55°   | 10193.6 | 6371.6 | 1207.0 | 617.4  | 547.2  | 539.9  | 520.6  | 485.5  | 449.1  | 428.6  |
| 13396.9 | 57.5° | 10651.2 | 6536.2 | 1025.4 | 566.6  | 512.1  | 514.5  | 485.5  | 454.0  | 420.1  | 398.3  |
| 14335.2 | 60°   | 11260.1 | 6756.6 | 841.4  | 519.4  | 474.6  | 481.8  | 450.4  | 427.4  | 385.0  | 357.1  |
| 15944.1 | 62.5° | 12233.5 | 7099.2 | 668.3  | 461.3  | 431.0  | 433.4  | 420.1  | 392.2  | 341.4  | 308.7  |
| 17136.6 | 65°   | 13005.9 | 6973.3 | 526.6  | 398.3  | 381.4  | 385.0  | 385.0  | 354.7  | 300.2  | 262.7  |
| 17200.7 | 67.5° | 12918.7 | 5970.9 | 420.1  | 336.6  | 334.1  | 336.6  | 345.0  | 319.6  | 266.3  | 236.1  |
| 15890.8 | 70°   | 11900.6 | 4749.3 | 336.6  | 279.7  | 290.6  | 284.5  | 308.7  | 291.8  | 239.7  | 209.4  |
| 12319.4 | 72.5° | 9710.5  | 3421.3 | 256.7  | 231.2  | 222.8  | 232.4  | 278.4  | 262.7  | 199.8  | 165.9  |
| 6525.3  | 75°   | 5674.3  | 1825.6 | 191.3  | 182.8  | 161.0  | 193.7  | 247.0  | 224.0  | 152.5  | 122.3  |
| 2000.0  | 77.5° | 1847.4  | 636.8  | 140.4  | 134.4  | 119.9  | 156.2  | 210.7  | 188.9  | 124.7  | 96.9   |
| 585.9   | 80°   | 495.2   | 192.5  | 95.6   | 88.4   | 77.5   | 116.2  | 167.1  | 150.1  | 89.6   | 63.0   |
| 251.8   | 82.5° | 198.5   | 81.1   | 55.7   | 49.6   | 42.4   | 79.9   | 132.0  | 121.1  | 66.6   | 40.0   |
| 78.7    | 85°   | 64.2    | 26.6   | 20.6   | 15.7   | 19.4   | 49.6   | 78.7   | 82.3   | 47.2   | 20.6   |
| 12.1    | 87.5° | 8.5     | 3.6    | 3.6    | 4.8    | 3.6    | 8.5    | 24.2   | 23.0   | 13.3   | 2.4    |
| 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°   |
|--------|
| 2785.7 |
| 2456.4 |
| 1987.9 |
| 1537.5 |
| 1255.4 |
| 1152.5 |
| 1117.4 |
| 1077.5 |
| 1021.8 |
| 950.4  |
| 872.9  |
| 797.8  |
| 738.5  |
| 698.5  |
| 668.3  |
| 670.7  |
| 648.9  |
| 599.3  |
| 550.8  |
| 509.7  |
| 481.8  |
| 462.5  |
| 426.1  |
| 395.9  |
| 353.5  |
| 306.3  |
| 259.1  |
| 231.2  |
| 205.8  |
| 162.2  |
| 118.6  |
| 93.2   |
| 61.7   |
| 40.0   |
| 15.7   |
| 0.0    |
| 0.0    |