

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: P940238

Luminaire Tested: **GLAN-SB3A-950-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7089 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7  
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



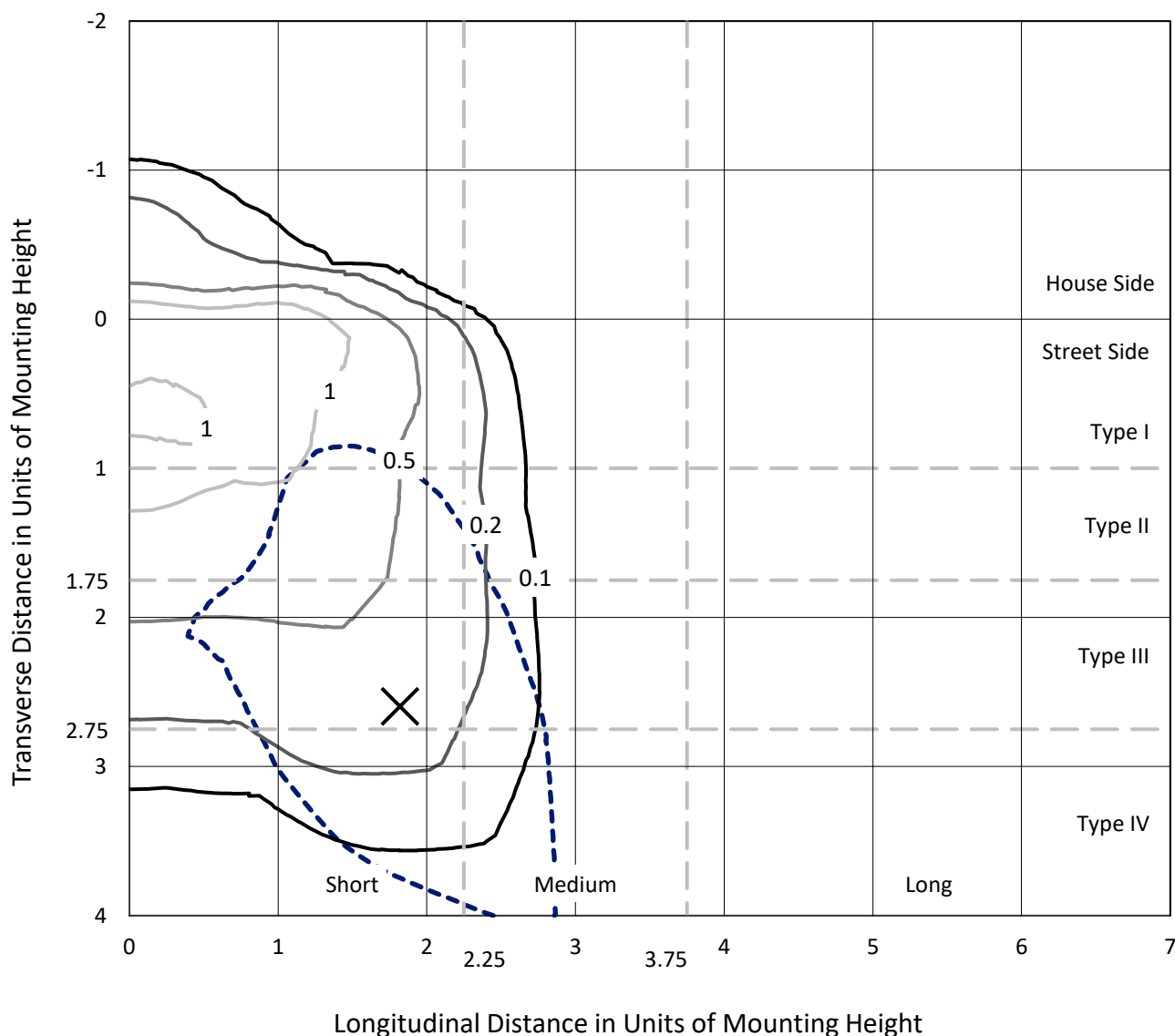
REPORT NUMBER: P940238

CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

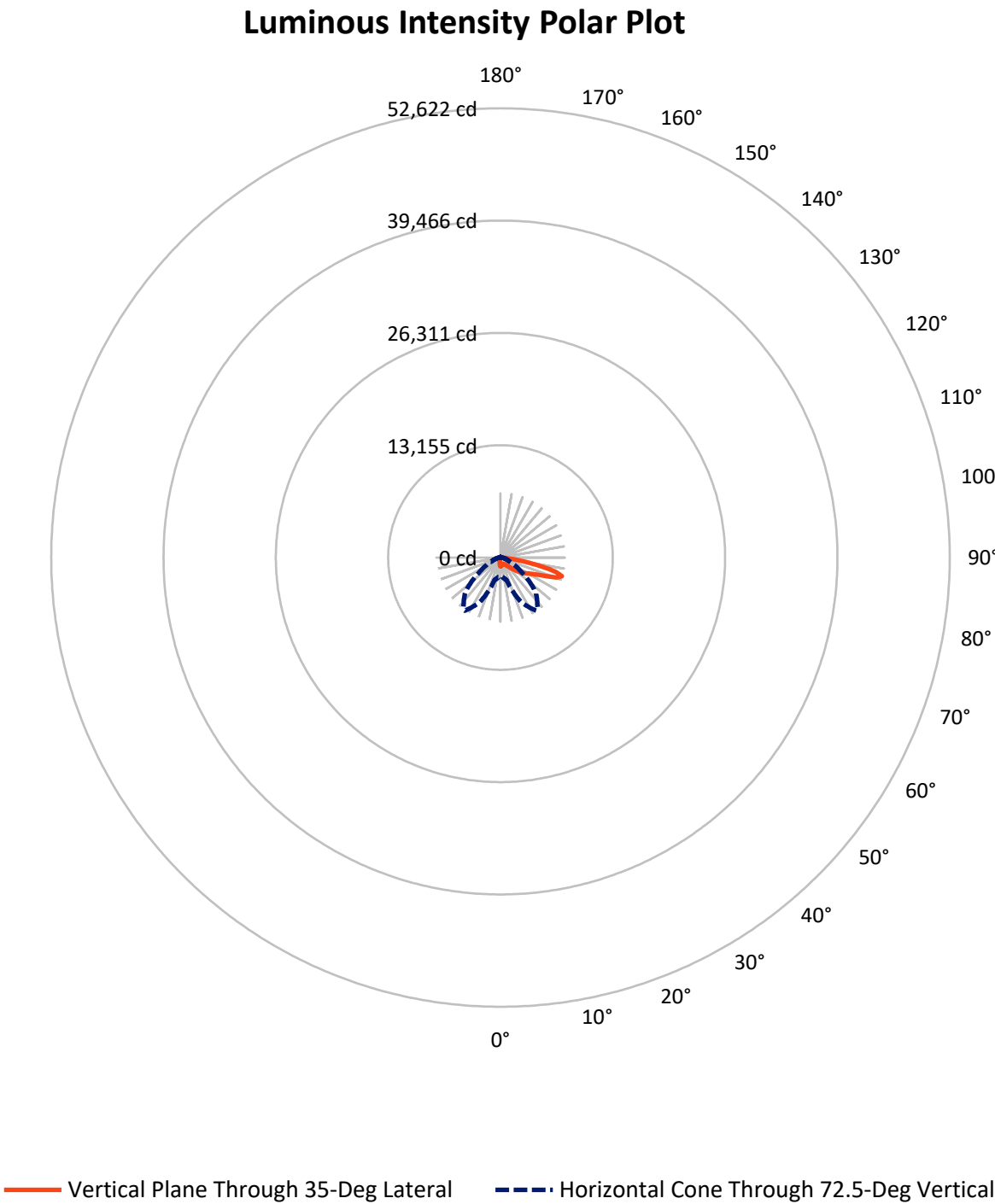
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc

Type IV - Short - N/A

REPORT NUMBER: P940238  
CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS



REPORT NUMBER: P940238

CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS

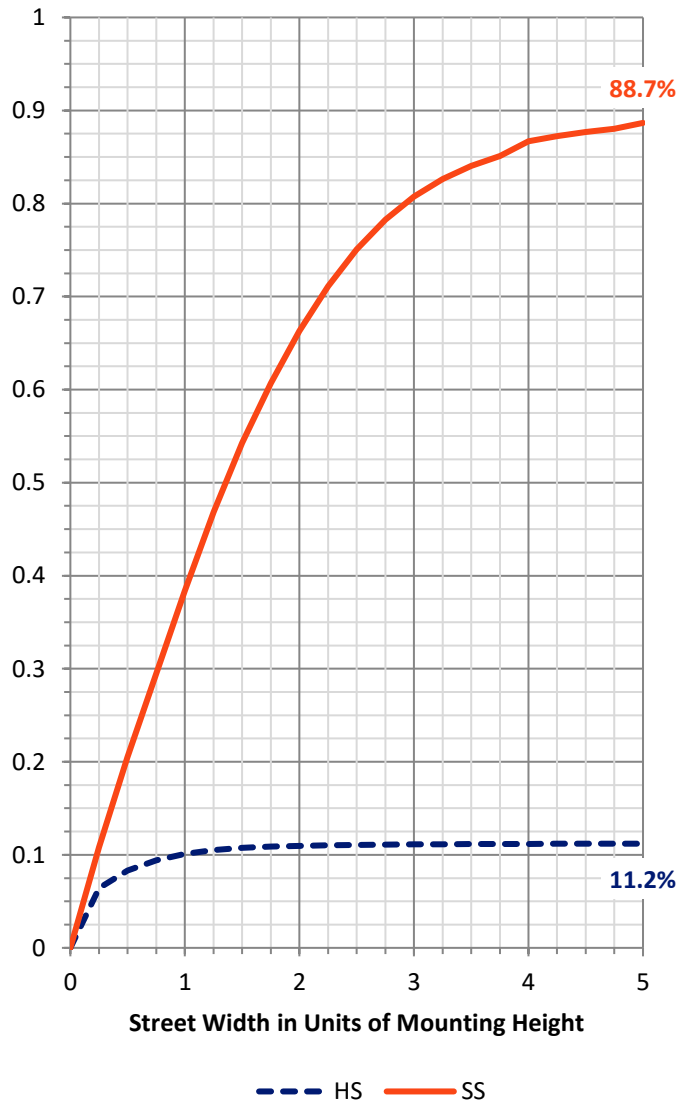
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 797.8    | 0.0    | 797.8  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 6291.2   | 0.0    | 6291.2 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 7089.0   | 0.0    | 7089.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.4   | 1.2       |
| 10°-20°   | 197.5  | 2.8       |
| 20°-30°   | 320.8  | 4.5       |
| 30°-40°   | 535.3  | 7.6       |
| 40°-50°   | 1012.9 | 14.3      |
| 50°-60°   | 1609.4 | 22.7      |
| 60°-70°   | 1991.0 | 28.1      |
| 70°-80°   | 1237.6 | 17.5      |
| 80°-90°   | 100.0  | 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°    | 7089.0 | 100.0     |
| 0°-180°   | 7089.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940238

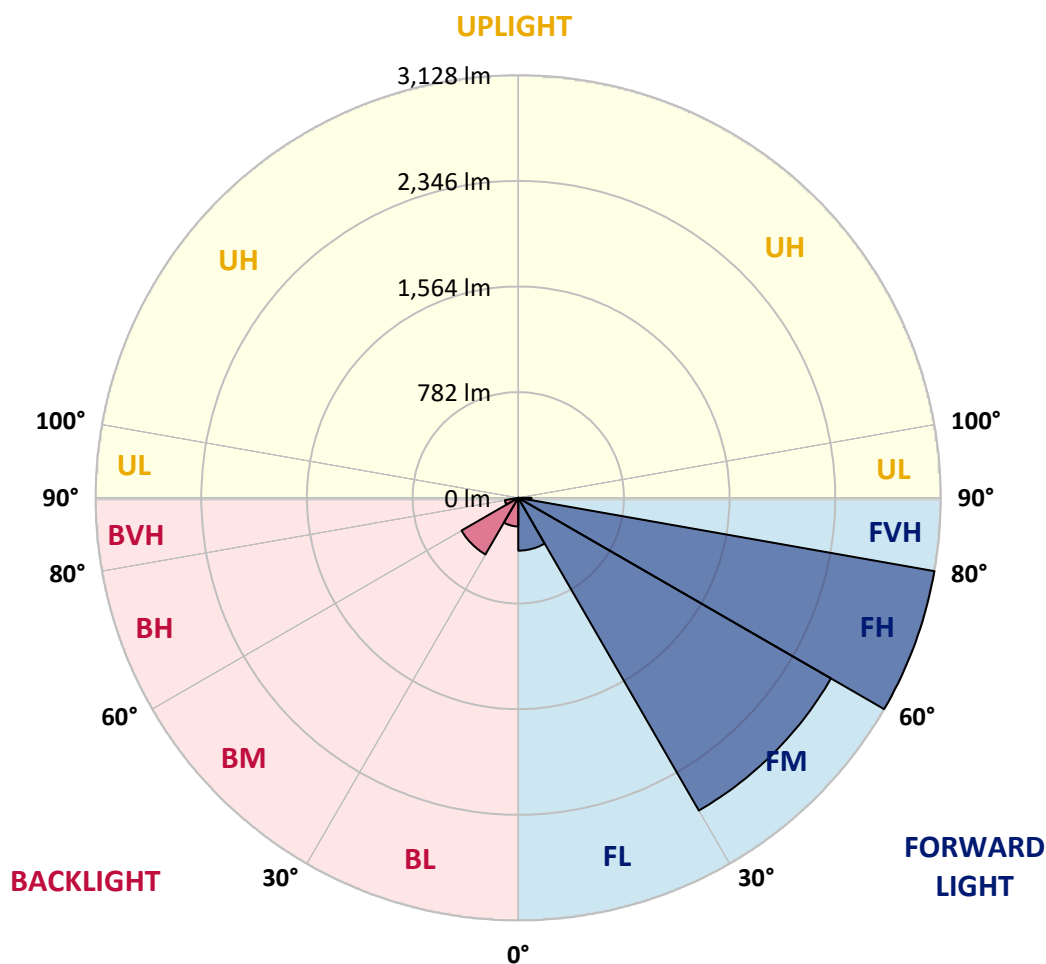
CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 390.8  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 2673.3 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 3128.5 | 44.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 98.7   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 212.0  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 484.4  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 100.1  | 1.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.4    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



REPORT NUMBER: P940238

CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5°  | 981.7  | 990.0  | 991.6  | 994.2  | 994.2  | 997.3  | 1002.5 | 1009.8 | 1021.7 | 1028.0 |
| 5°    | 904.8  | 911.1  | 918.9  | 925.1  | 937.1  | 938.6  | 958.9  | 978.6  | 1006.1 | 1026.9 |
| 7.5°  | 827.5  | 834.7  | 845.1  | 860.2  | 875.8  | 880.4  | 911.1  | 944.3  | 988.0  | 1026.9 |
| 10°   | 772.9  | 773.4  | 782.8  | 797.8  | 822.8  | 828.5  | 865.9  | 913.2  | 967.7  | 1020.7 |
| 12.5° | 742.3  | 745.9  | 750.1  | 761.5  | 785.4  | 789.0  | 829.0  | 884.6  | 947.4  | 1017.0 |
| 15°   | 742.3  | 744.9  | 747.5  | 753.2  | 772.4  | 775.5  | 810.8  | 866.4  | 937.1  | 1018.6 |
| 17.5° | 750.1  | 754.2  | 752.1  | 758.9  | 779.1  | 781.2  | 812.4  | 861.2  | 936.5  | 1028.5 |
| 20°   | 768.8  | 771.9  | 767.7  | 771.9  | 792.1  | 796.3  | 828.5  | 871.1  | 945.4  | 1045.6 |
| 22.5° | 798.4  | 799.9  | 790.1  | 793.2  | 813.9  | 819.1  | 856.5  | 899.1  | 966.7  | 1073.1 |
| 25°   | 835.8  | 838.9  | 823.8  | 827.5  | 847.2  | 853.4  | 896.5  | 941.2  | 1000.4 | 1111.1 |
| 27.5° | 878.9  | 880.4  | 867.4  | 866.9  | 892.4  | 901.2  | 944.8  | 993.2  | 1045.6 | 1158.8 |
| 30°   | 928.2  | 932.9  | 920.4  | 918.4  | 950.6  | 957.8  | 1000.9 | 1057.0 | 1112.1 | 1230.5 |
| 32.5° | 967.2  | 970.8  | 963.5  | 968.7  | 1001.5 | 1007.2 | 1069.0 | 1147.4 | 1216.5 | 1332.3 |
| 35°   | 1023.3 | 1025.4 | 1008.7 | 1018.1 | 1055.5 | 1070.0 | 1162.0 | 1274.2 | 1347.9 | 1460.1 |
| 37.5° | 1226.4 | 1226.4 | 1155.7 | 1109.5 | 1145.3 | 1158.3 | 1289.2 | 1433.6 | 1510.0 | 1631.5 |
| 40°   | 1507.4 | 1502.7 | 1399.3 | 1304.8 | 1300.1 | 1325.6 | 1470.5 | 1634.6 | 1719.3 | 1837.2 |
| 42.5° | 1807.1 | 1799.8 | 1659.1 | 1565.6 | 1550.0 | 1558.8 | 1679.8 | 1882.4 | 1968.6 | 2088.1 |
| 45°   | 2073.0 | 2071.0 | 1942.2 | 1816.4 | 1788.4 | 1816.4 | 1941.1 | 2172.3 | 2234.1 | 2359.8 |
| 47.5° | 2295.9 | 2295.9 | 2201.9 | 2119.8 | 2105.3 | 2121.9 | 2294.8 | 2493.8 | 2488.1 | 2649.1 |
| 50°   | 2552.5 | 2550.4 | 2461.1 | 2425.7 | 2440.8 | 2464.2 | 2702.1 | 2832.5 | 2750.9 | 2933.2 |
| 52.5° | 2732.2 | 2744.7 | 2714.0 | 2708.3 | 2785.2 | 2825.7 | 3115.5 | 3163.9 | 2986.2 | 3202.8 |
| 55°   | 2874.5 | 2889.1 | 2924.4 | 2964.4 | 3112.4 | 3165.4 | 3516.0 | 3478.1 | 3183.1 | 3436.6 |
| 57.5° | 3076.1 | 3055.3 | 3109.8 | 3188.8 | 3428.2 | 3492.1 | 3904.0 | 3774.7 | 3341.5 | 3626.1 |
| 60°   | 3320.7 | 3323.8 | 3333.2 | 3432.9 | 3743.5 | 3825.6 | 4286.3 | 4055.2 | 3443.3 | 3742.5 |
| 62.5° | 3614.7 | 3619.4 | 3638.6 | 3791.8 | 4166.9 | 4244.3 | 4693.6 | 4284.8 | 3490.1 | 3709.8 |
| 65°   | 3594.5 | 3614.2 | 3828.7 | 4352.8 | 4810.4 | 4886.8 | 5168.9 | 4445.8 | 3419.4 | 3410.6 |
| 67.5° | 3274.5 | 3306.7 | 3665.6 | 5022.9 | 5780.7 | 5865.9 | 5743.3 | 4477.5 | 3114.5 | 2652.2 |
| 70°   | 2854.8 | 2866.2 | 3297.9 | 5625.4 | 6904.3 | 6990.5 | 6257.6 | 4129.0 | 2363.4 | 1479.3 |
| 72.5° | 2229.4 | 2232.0 | 2738.4 | 5765.2 | 7514.1 | 7518.8 | 5854.0 | 3065.2 | 1271.0 | 568.3  |
| 75°   | 1592.6 | 1577.0 | 1834.1 | 4675.4 | 6610.8 | 6663.8 | 4388.7 | 1437.8 | 485.7  | 268.5  |
| 77.5° | 853.9  | 871.1  | 1037.8 | 2772.7 | 4566.8 | 4657.2 | 2394.6 | 414.5  | 247.2  | 182.8  |
| 80°   | 263.9  | 278.4  | 425.4  | 1269.5 | 2586.8 | 2641.3 | 887.7  | 184.4  | 172.5  | 130.4  |
| 82.5° | 83.1   | 86.2   | 198.4  | 533.5  | 1073.7 | 1098.6 | 257.1  | 104.4  | 117.9  | 86.2   |
| 85°   | 23.9   | 24.4   | 88.3   | 198.9  | 265.4  | 270.6  | 72.2   | 40.5   | 67.5   | 53.5   |
| 87.5° | 2.6    | 8.3    | 33.2   | 33.2   | 23.4   | 22.9   | 7.8    | 8.8    | 19.2   | 6.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P940238

CATALOG NUMBER: GLAN-SB3A-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1027.4 | 0°    | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 1032.1 | 2.5°  | 1029.5 | 1030.0 | 1023.3 | 1011.9 | 999.4  | 989.0  | 976.0  | 965.6  | 958.3  | 956.3  |
| 1041.5 | 5°    | 1036.8 | 1033.1 | 1013.9 | 979.1  | 937.6  | 901.7  | 861.7  | 830.1  | 809.3  | 800.4  |
| 1051.3 | 7.5°  | 1047.7 | 1037.3 | 995.2  | 926.7  | 847.2  | 776.5  | 704.9  | 649.3  | 614.0  | 596.3  |
| 1060.7 | 10°   | 1057.0 | 1036.3 | 964.1  | 850.8  | 729.3  | 622.3  | 525.7  | 458.7  | 421.3  | 403.6  |
| 1071.6 | 12.5° | 1065.9 | 1035.7 | 923.5  | 761.0  | 596.3  | 465.4  | 375.5  | 342.3  | 331.9  | 328.3  |
| 1089.2 | 15°   | 1082.5 | 1037.3 | 872.6  | 658.1  | 463.9  | 351.7  | 318.9  | 318.4  | 320.5  | 319.4  |
| 1116.3 | 17.5° | 1105.3 | 1038.9 | 815.0  | 549.0  | 357.9  | 310.1  | 308.5  | 313.2  | 316.3  | 314.8  |
| 1150.0 | 20°   | 1135.0 | 1045.1 | 753.7  | 441.0  | 307.5  | 299.7  | 303.3  | 307.5  | 310.1  | 307.5  |
| 1195.2 | 22.5° | 1176.5 | 1056.0 | 686.7  | 354.3  | 291.4  | 293.5  | 296.6  | 301.3  | 303.9  | 300.2  |
| 1252.9 | 25°   | 1227.4 | 1073.1 | 620.7  | 308.0  | 283.6  | 286.2  | 290.9  | 296.1  | 299.2  | 295.6  |
| 1325.6 | 27.5° | 1293.4 | 1100.7 | 559.9  | 297.6  | 275.8  | 277.4  | 284.1  | 291.9  | 296.1  | 291.4  |
| 1429.0 | 30°   | 1389.0 | 1145.9 | 507.5  | 302.3  | 271.1  | 267.5  | 276.9  | 287.8  | 292.4  | 288.3  |
| 1569.7 | 32.5° | 1515.7 | 1209.8 | 475.3  | 309.6  | 269.1  | 256.1  | 264.9  | 278.9  | 286.7  | 284.1  |
| 1753.6 | 35°   | 1681.9 | 1306.9 | 462.8  | 317.9  | 267.5  | 244.1  | 250.4  | 265.4  | 278.9  | 281.5  |
| 1985.3 | 37.5° | 1883.5 | 1441.9 | 466.4  | 321.5  | 262.8  | 234.3  | 237.4  | 250.4  | 268.0  | 276.3  |
| 2246.0 | 40°   | 2112.5 | 1599.3 | 487.2  | 317.9  | 257.6  | 226.0  | 226.5  | 236.3  | 251.9  | 264.4  |
| 2526.5 | 42.5° | 2348.9 | 1783.2 | 525.7  | 304.4  | 253.0  | 218.7  | 217.1  | 223.9  | 234.3  | 243.1  |
| 2806.5 | 45°   | 2573.8 | 1972.3 | 563.6  | 285.7  | 247.2  | 211.4  | 207.8  | 210.4  | 212.4  | 216.1  |
| 3079.2 | 47.5° | 2770.1 | 2105.3 | 552.7  | 268.5  | 239.5  | 203.1  | 196.9  | 195.8  | 189.6  | 189.1  |
| 3322.8 | 50°   | 2905.7 | 2134.3 | 490.9  | 251.4  | 228.0  | 193.7  | 183.9  | 177.6  | 166.7  | 161.5  |
| 3505.1 | 52.5° | 2948.8 | 2019.5 | 401.0  | 234.3  | 209.3  | 181.3  | 167.3  | 157.4  | 143.9  | 139.2  |
| 3610.0 | 55°   | 2891.7 | 1794.6 | 320.5  | 213.5  | 183.4  | 164.7  | 149.1  | 136.1  | 125.2  | 119.5  |
| 3621.5 | 57.5° | 2751.9 | 1508.4 | 253.5  | 189.1  | 155.8  | 146.0  | 130.4  | 117.4  | 108.0  | 102.3  |
| 3494.7 | 60°   | 2520.3 | 1197.8 | 200.5  | 160.0  | 133.0  | 125.7  | 109.6  | 101.3  | 93.0   | 86.2   |
| 3167.5 | 62.5° | 2168.6 | 855.0  | 157.4  | 126.7  | 111.2  | 102.8  | 93.5   | 87.3   | 77.4   | 68.0   |
| 2579.0 | 65°   | 1692.3 | 523.1  | 121.5  | 93.0   | 89.3   | 85.2   | 79.5   | 73.8   | 61.8   | 52.5   |
| 1682.4 | 67.5° | 1067.4 | 247.8  | 86.7   | 70.1   | 70.6   | 68.6   | 66.0   | 61.3   | 52.5   | 44.2   |
| 753.7  | 70°   | 470.1  | 120.0  | 57.1   | 53.5   | 52.5   | 52.5   | 54.5   | 53.0   | 44.7   | 36.9   |
| 261.8  | 72.5° | 160.0  | 64.4   | 42.6   | 40.5   | 37.9   | 37.4   | 45.7   | 44.2   | 35.8   | 28.6   |
| 130.4  | 75°   | 83.6   | 43.1   | 31.2   | 29.1   | 22.9   | 27.5   | 36.4   | 34.3   | 25.5   | 18.7   |
| 86.2   | 77.5° | 54.5   | 30.6   | 21.3   | 18.7   | 13.0   | 18.2   | 27.0   | 23.9   | 15.1   | 9.3    |
| 56.6   | 80°   | 34.3   | 20.3   | 12.5   | 8.8    | 6.2    | 9.9    | 14.5   | 10.4   | 5.7    | 2.1    |
| 33.2   | 82.5° | 18.2   | 10.4   | 4.7    | 3.1    | 2.6    | 3.1    | 3.6    | 2.6    | 1.0    | 0.0    |
| 17.1   | 85°   | 7.3    | 3.6    | 1.6    | 1.0    | 0.5    | 0.0    | 1.0    | 0.5    | 0.0    | 0.0    |
| 3.1    | 87.5° | 2.6    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 1027.4 |
| 959.9  |
| 803.6  |
| 598.9  |
| 404.1  |
| 327.2  |
| 318.9  |
| 314.3  |
| 307.0  |
| 299.7  |
| 295.0  |
| 291.4  |
| 287.8  |
| 284.1  |
| 281.5  |
| 278.4  |
| 268.5  |
| 246.7  |
| 218.2  |
| 188.6  |
| 162.1  |
| 138.7  |
| 119.5  |
| 101.3  |
| 84.7   |
| 66.5   |
| 50.9   |
| 43.1   |
| 35.3   |
| 27.0   |
| 17.1   |
| 8.3    |
| 1.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |