

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: P949464

Luminaire Tested: **GLAN-SB4A-950-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-950-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12738 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 114  
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

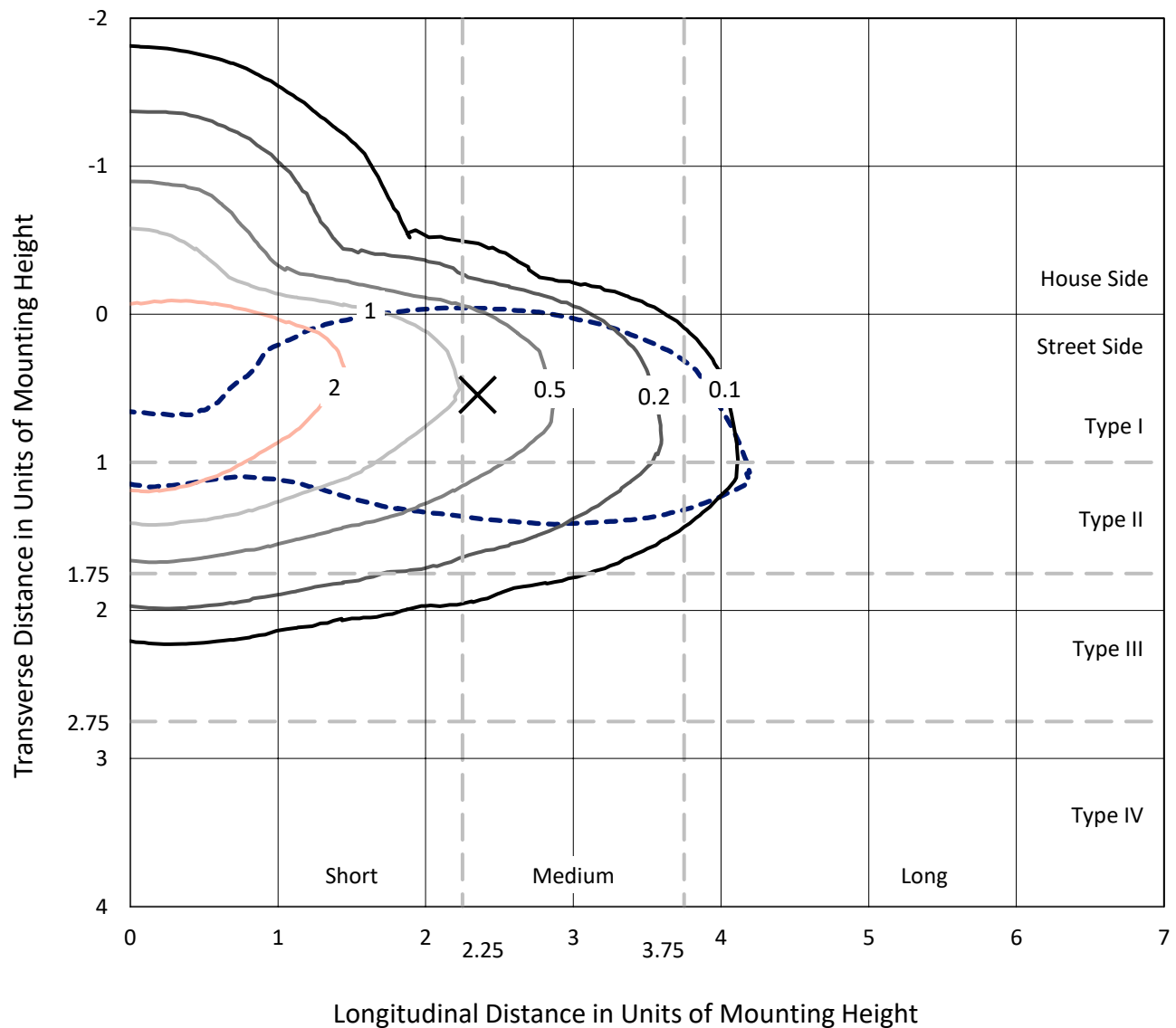


REPORT NUMBER: P949464

CATALOG NUMBER: GLAN-SB4A-950-U-T2R

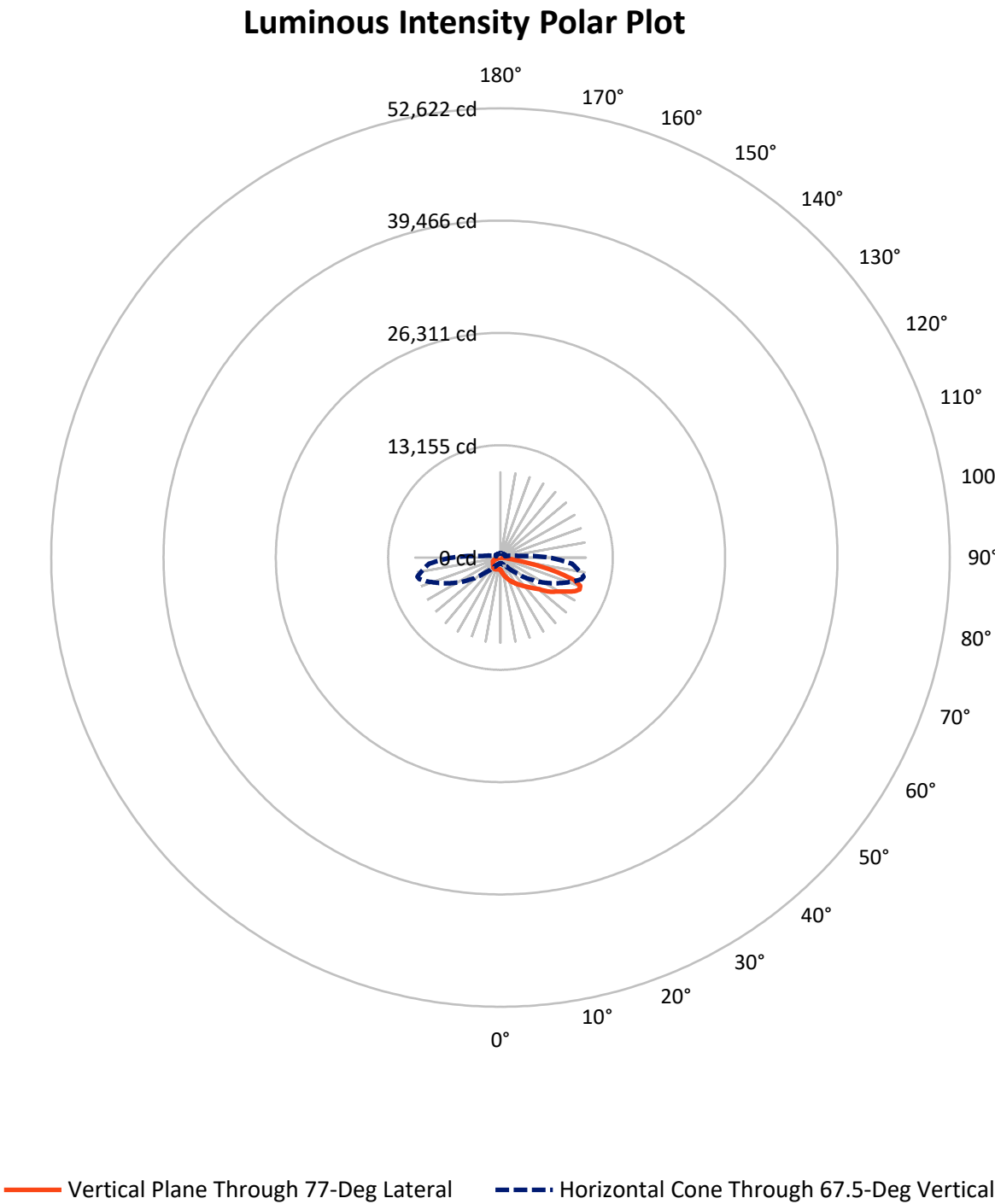
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
Type II - Medium - N/A

REPORT NUMBER: P949464  
CATALOG NUMBER: GLAN-SB4A-950-U-T2R



REPORT NUMBER: P949464

CATALOG NUMBER: GLAN-SB4A-950-U-T2R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2409.5   | 0.0    | 2409.5  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 10328.5  | 0.0    | 10328.5 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 12738.0  | 0.0    | 12738.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 160.2   | 1.3       |
| 10°-20°   | 575.5   | 4.5       |
| 20°-30°   | 1086.6  | 8.5       |
| 30°-40°   | 1750.6  | 13.7      |
| 40°-50°   | 2394.5  | 18.8      |
| 50°-60°   | 2701.0  | 21.2      |
| 60°-70°   | 2521.0  | 19.8      |
| 70°-80°   | 1381.9  | 10.8      |
| 80°-90°   | 166.7   | 1.3       |
| 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°    | 12738.0 | 100.0     |
| 0°-180°   | 12738.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P949464

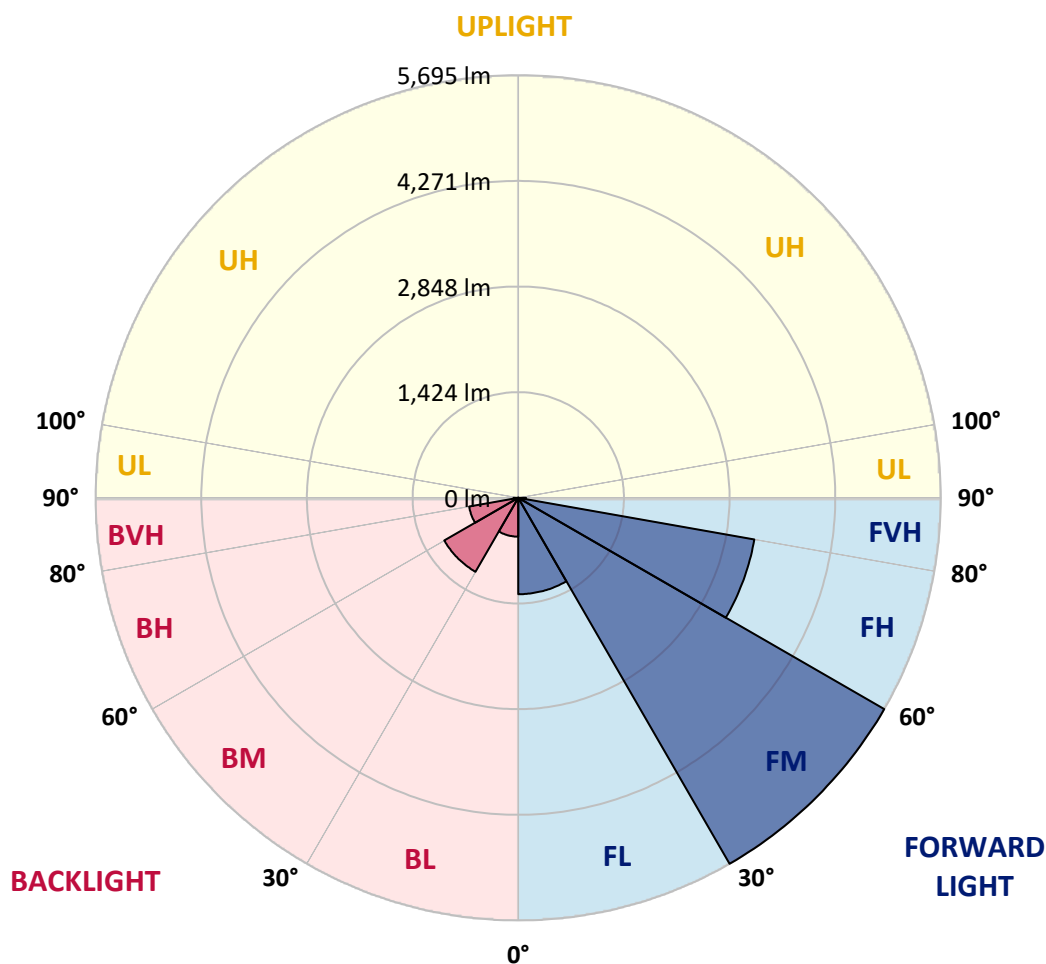
CATALOG NUMBER: GLAN-SB4A-950-U-T2R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1298.5 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 5695.0 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 3230.7 | 25.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 104.2  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 523.9  | 4.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1151.0 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 672.2  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 62.4   | 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: P949464

CATALOG NUMBER: GLAN-SB4A-950-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 |
| 2.5°  | 1871.3 | 1884.5 | 1868.0 | 1868.0 | 1812.8 | 1783.9 | 1728.6 | 1686.6 | 1610.9 | 1597.8 |
| 5°    | 2211.9 | 2228.4 | 2205.4 | 2195.5 | 2130.4 | 2070.6 | 1977.8 | 1886.5 | 1751.7 | 1737.8 |
| 7.5°  | 2475.6 | 2496.6 | 2476.3 | 2465.7 | 2407.9 | 2340.8 | 2232.3 | 2104.7 | 1914.7 | 1887.8 |
| 10°   | 2690.6 | 2693.9 | 2687.3 | 2691.3 | 2645.9 | 2590.7 | 2479.5 | 2330.9 | 2093.6 | 2056.8 |
| 12.5° | 2812.3 | 2827.4 | 2840.5 | 2864.2 | 2856.3 | 2822.1 | 2722.2 | 2544.6 | 2282.9 | 2235.6 |
| 15°   | 2869.5 | 2895.8 | 2925.3 | 2979.9 | 3024.0 | 3032.5 | 2956.2 | 2774.1 | 2475.6 | 2418.4 |
| 17.5° | 2889.8 | 2914.8 | 2961.5 | 3040.4 | 3135.1 | 3198.9 | 3164.7 | 2997.0 | 2666.3 | 2600.5 |
| 20°   | 2993.1 | 3000.3 | 3028.6 | 3103.5 | 3206.1 | 3312.0 | 3337.6 | 3211.4 | 2855.0 | 2780.7 |
| 22.5° | 3214.0 | 3199.5 | 3207.4 | 3241.6 | 3315.3 | 3417.8 | 3476.4 | 3400.7 | 3049.0 | 2963.5 |
| 25°   | 3578.9 | 3536.8 | 3494.8 | 3455.3 | 3492.8 | 3550.7 | 3617.1 | 3590.1 | 3252.1 | 3143.6 |
| 27.5° | 4039.9 | 3988.6 | 3895.9 | 3766.3 | 3721.0 | 3741.3 | 3770.9 | 3765.7 | 3440.2 | 3330.4 |
| 30°   | 4493.6 | 4433.7 | 4323.3 | 4135.9 | 4016.2 | 3962.3 | 3939.9 | 3924.8 | 3644.7 | 3527.6 |
| 32.5° | 4855.9 | 4808.5 | 4700.0 | 4490.3 | 4316.7 | 4224.6 | 4150.3 | 4096.4 | 3858.4 | 3741.3 |
| 35°   | 5172.8 | 5128.7 | 5004.5 | 4775.6 | 4586.9 | 4488.9 | 4391.6 | 4276.6 | 4080.6 | 3962.3 |
| 37.5° | 5462.1 | 5418.0 | 5247.7 | 5009.7 | 4819.7 | 4752.0 | 4665.2 | 4469.9 | 4303.5 | 4191.7 |
| 40°   | 5644.9 | 5635.0 | 5475.9 | 5206.3 | 5009.1 | 4975.5 | 4946.6 | 4694.1 | 4550.8 | 4446.9 |
| 42.5° | 5691.6 | 5713.3 | 5587.0 | 5365.4 | 5177.4 | 5150.4 | 5218.1 | 4947.9 | 4828.2 | 4728.9 |
| 45°   | 5579.1 | 5641.6 | 5558.7 | 5408.2 | 5297.1 | 5282.6 | 5458.8 | 5225.4 | 5135.3 | 5044.6 |
| 47.5° | 5294.4 | 5400.3 | 5366.1 | 5345.1 | 5329.3 | 5391.7 | 5670.5 | 5520.0 | 5483.1 | 5404.2 |
| 50°   | 4719.7 | 4920.3 | 4980.1 | 5112.9 | 5265.5 | 5476.6 | 5863.2 | 5841.5 | 5889.5 | 5809.9 |
| 52.5° | 3726.2 | 4002.4 | 4349.6 | 4682.3 | 5069.5 | 5448.3 | 6074.9 | 6303.1 | 6505.6 | 6462.2 |
| 55°   | 3075.9 | 3200.2 | 3467.1 | 4077.3 | 4689.5 | 5329.3 | 6170.3 | 6675.9 | 7117.1 | 7078.3 |
| 57.5° | 2576.2 | 2687.3 | 2851.7 | 3361.3 | 4114.8 | 5059.0 | 6229.4 | 6903.4 | 7535.9 | 7532.0 |
| 60°   | 2040.3 | 2158.0 | 2326.3 | 2687.3 | 3443.5 | 4592.2 | 6216.3 | 7162.5 | 8070.5 | 8103.4 |
| 62.5° | 1435.4 | 1564.9 | 1751.7 | 2088.3 | 2757.7 | 3987.3 | 5948.0 | 7349.9 | 8699.8 | 8789.2 |
| 65°   | 943.6  | 1029.0 | 1169.7 | 1460.4 | 2054.8 | 3209.4 | 5435.8 | 7374.2 | 9373.1 | 9524.3 |
| 67.5° | 661.5  | 694.4  | 777.2  | 935.0  | 1354.5 | 2461.1 | 4619.8 | 7122.4 | 9822.2 | 9992.5 |
| 70°   | 516.2  | 532.6  | 574.7  | 637.8  | 850.8  | 1655.0 | 3540.1 | 6467.5 | 9726.2 | 9903.7 |
| 72.5° | 445.8  | 461.6  | 477.4  | 485.3  | 570.7  | 1021.8 | 2398.0 | 5407.5 | 8822.1 | 8942.4 |
| 75°   | 404.4  | 408.3  | 421.5  | 418.8  | 435.3  | 662.8  | 1384.1 | 3939.9 | 6960.6 | 6919.2 |
| 77.5° | 339.9  | 345.2  | 366.9  | 363.6  | 386.6  | 453.0  | 718.7  | 2542.7 | 4512.6 | 4231.2 |
| 80°   | 288.0  | 290.6  | 314.3  | 310.4  | 336.0  | 328.1  | 366.9  | 1296.0 | 1914.1 | 1621.5 |
| 82.5° | 99.9   | 123.6  | 240.0  | 247.2  | 256.4  | 198.6  | 211.7  | 528.7  | 584.5  | 447.8  |
| 85°   | 48.7   | 51.9   | 122.3  | 173.6  | 172.9  | 99.9   | 103.2  | 188.7  | 184.1  | 144.7  |
| 87.5° | 7.9    | 9.9    | 14.5   | 67.7   | 53.9   | 26.3   | 35.5   | 36.8   | 38.1   | 32.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P949464

CATALOG NUMBER: GLAN-SB4A-950-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1494.6 | 0°    | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 | 1494.6 |
| 1547.8 | 2.5°  | 1511.0 | 1478.1 | 1409.1 | 1345.3 | 1295.3 | 1247.3 | 1220.4 | 1197.4 | 1184.2 | 1181.6 |
| 1620.2 | 5°    | 1551.8 | 1484.0 | 1358.5 | 1252.6 | 1183.6 | 1132.3 | 1105.3 | 1088.2 | 1079.7 | 1074.4 |
| 1717.5 | 7.5°  | 1610.3 | 1511.0 | 1332.2 | 1211.8 | 1139.5 | 1102.7 | 1088.9 | 1086.2 | 1085.6 | 1086.2 |
| 1835.2 | 10°   | 1691.2 | 1555.1 | 1329.5 | 1202.0 | 1141.5 | 1121.1 | 1120.4 | 1121.1 | 1123.7 | 1124.4 |
| 1963.4 | 12.5° | 1778.6 | 1600.4 | 1340.0 | 1210.5 | 1166.5 | 1155.3 | 1153.3 | 1152.6 | 1154.6 | 1155.9 |
| 2092.9 | 15°   | 1874.0 | 1660.3 | 1357.8 | 1228.9 | 1194.1 | 1182.2 | 1180.3 | 1176.3 | 1175.7 | 1175.0 |
| 2229.0 | 17.5° | 1971.9 | 1719.4 | 1377.5 | 1248.6 | 1211.8 | 1195.4 | 1188.2 | 1178.9 | 1171.7 | 1169.7 |
| 2369.7 | 20°   | 2071.2 | 1778.0 | 1391.3 | 1258.5 | 1213.1 | 1190.1 | 1175.7 | 1159.9 | 1147.4 | 1140.2 |
| 2511.8 | 22.5° | 2177.1 | 1839.1 | 1399.9 | 1255.9 | 1201.3 | 1169.7 | 1143.4 | 1125.0 | 1106.0 | 1093.5 |
| 2655.1 | 25°   | 2280.3 | 1892.4 | 1399.2 | 1242.1 | 1178.3 | 1138.2 | 1104.6 | 1081.0 | 1054.7 | 1041.5 |
| 2803.0 | 27.5° | 2379.6 | 1940.4 | 1382.8 | 1217.7 | 1145.4 | 1100.7 | 1060.6 | 1032.3 | 1006.7 | 994.2  |
| 2952.3 | 30°   | 2482.2 | 1980.5 | 1357.1 | 1182.2 | 1106.6 | 1057.3 | 1013.3 | 988.9  | 965.9  | 954.1  |
| 3110.1 | 32.5° | 2584.1 | 2017.3 | 1321.0 | 1138.2 | 1061.9 | 1014.6 | 971.2  | 948.8  | 935.0  | 935.0  |
| 3279.8 | 35°   | 2691.9 | 2042.9 | 1273.0 | 1086.9 | 1014.6 | 969.2  | 935.0  | 921.9  | 920.5  | 912.7  |
| 3459.3 | 37.5° | 2805.7 | 2059.4 | 1214.5 | 1034.3 | 967.9  | 925.1  | 914.6  | 898.8  | 885.7  | 868.6  |
| 3656.5 | 40°   | 2925.3 | 2075.8 | 1144.1 | 979.7  | 918.6  | 894.9  | 890.3  | 869.3  | 831.8  | 789.7  |
| 3880.1 | 42.5° | 3070.7 | 2087.0 | 1071.1 | 925.1  | 866.6  | 858.7  | 865.3  | 829.1  | 769.3  | 737.7  |
| 4149.7 | 45°   | 3239.0 | 2105.4 | 1004.0 | 871.2  | 813.4  | 813.4  | 841.0  | 793.6  | 744.3  | 724.6  |
| 4457.4 | 47.5° | 3457.3 | 2148.1 | 941.6  | 812.0  | 764.0  | 777.2  | 787.1  | 750.9  | 723.3  | 699.0  |
| 4832.2 | 50°   | 3772.9 | 2250.7 | 877.1  | 752.2  | 726.6  | 752.9  | 739.1  | 718.0  | 685.8  | 666.1  |
| 5427.9 | 52.5° | 4164.8 | 2311.2 | 819.9  | 698.3  | 694.4  | 720.7  | 700.9  | 681.2  | 656.9  | 630.6  |
| 5879.6 | 55°   | 4431.7 | 2322.4 | 771.9  | 658.8  | 672.7  | 670.0  | 662.8  | 645.0  | 631.9  | 597.0  |
| 6325.4 | 57.5° | 4730.3 | 2344.7 | 732.5  | 635.2  | 658.8  | 629.9  | 627.3  | 612.2  | 595.1  | 571.4  |
| 6869.2 | 60°   | 5087.3 | 2379.6 | 698.3  | 626.0  | 647.0  | 603.6  | 590.5  | 584.5  | 567.4  | 555.6  |
| 7523.4 | 62.5° | 5476.6 | 2411.2 | 663.4  | 627.3  | 633.2  | 578.0  | 558.2  | 556.3  | 545.7  | 541.8  |
| 8137.6 | 65°   | 5742.2 | 2325.0 | 620.0  | 626.0  | 611.5  | 551.7  | 526.7  | 526.0  | 517.5  | 516.2  |
| 8403.9 | 67.5° | 5649.5 | 2052.1 | 561.5  | 607.6  | 589.1  | 525.4  | 497.7  | 495.1  | 483.9  | 484.6  |
| 8125.7 | 70°   | 5185.3 | 1662.9 | 480.7  | 562.2  | 561.5  | 501.7  | 467.5  | 459.0  | 443.8  | 446.5  |
| 7065.1 | 72.5° | 4314.7 | 1232.2 | 372.2  | 486.6  | 517.5  | 480.0  | 432.7  | 418.8  | 399.8  | 402.4  |
| 5215.5 | 75°   | 3116.0 | 837.7  | 270.9  | 370.2  | 450.4  | 454.4  | 398.5  | 374.8  | 351.8  | 355.7  |
| 2903.0 | 77.5° | 1594.5 | 474.7  | 199.2  | 255.1  | 353.8  | 412.9  | 367.6  | 336.0  | 330.7  | 367.6  |
| 837.0  | 80°   | 520.1  | 238.0  | 138.1  | 178.8  | 232.1  | 338.0  | 322.2  | 286.0  | 284.7  | 293.3  |
| 175.6  | 82.5° | 155.2  | 100.6  | 88.8   | 117.7  | 128.2  | 259.1  | 278.1  | 216.3  | 186.1  | 195.9  |
| 58.5   | 85°   | 53.3   | 48.7   | 50.6   | 58.5   | 61.2   | 151.9  | 194.6  | 143.3  | 135.5  | 149.3  |
| 13.2   | 87.5° | 12.5   | 17.1   | 14.5   | 13.2   | 13.2   | 36.8   | 75.6   | 59.8   | 82.8   | 55.2   |
| 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°   |
|--------|
| 1494.6 |
| 1181.6 |
| 1073.7 |
| 1088.2 |
| 1125.0 |
| 1156.6 |
| 1174.3 |
| 1171.7 |
| 1142.8 |
| 1094.1 |
| 1041.5 |
| 993.5  |
| 953.4  |
| 935.7  |
| 910.7  |
| 866.0  |
| 783.8  |
| 738.4  |
| 727.9  |
| 698.3  |
| 664.1  |
| 625.3  |
| 597.7  |
| 563.5  |
| 558.9  |
| 541.8  |
| 515.5  |
| 484.6  |
| 449.1  |
| 401.8  |
| 357.0  |
| 362.3  |
| 251.8  |
| 202.5  |
| 147.3  |
| 53.3   |
| 0.0    |