

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: P941596

Luminaire Tested: **GLAN-SB5A-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12363 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

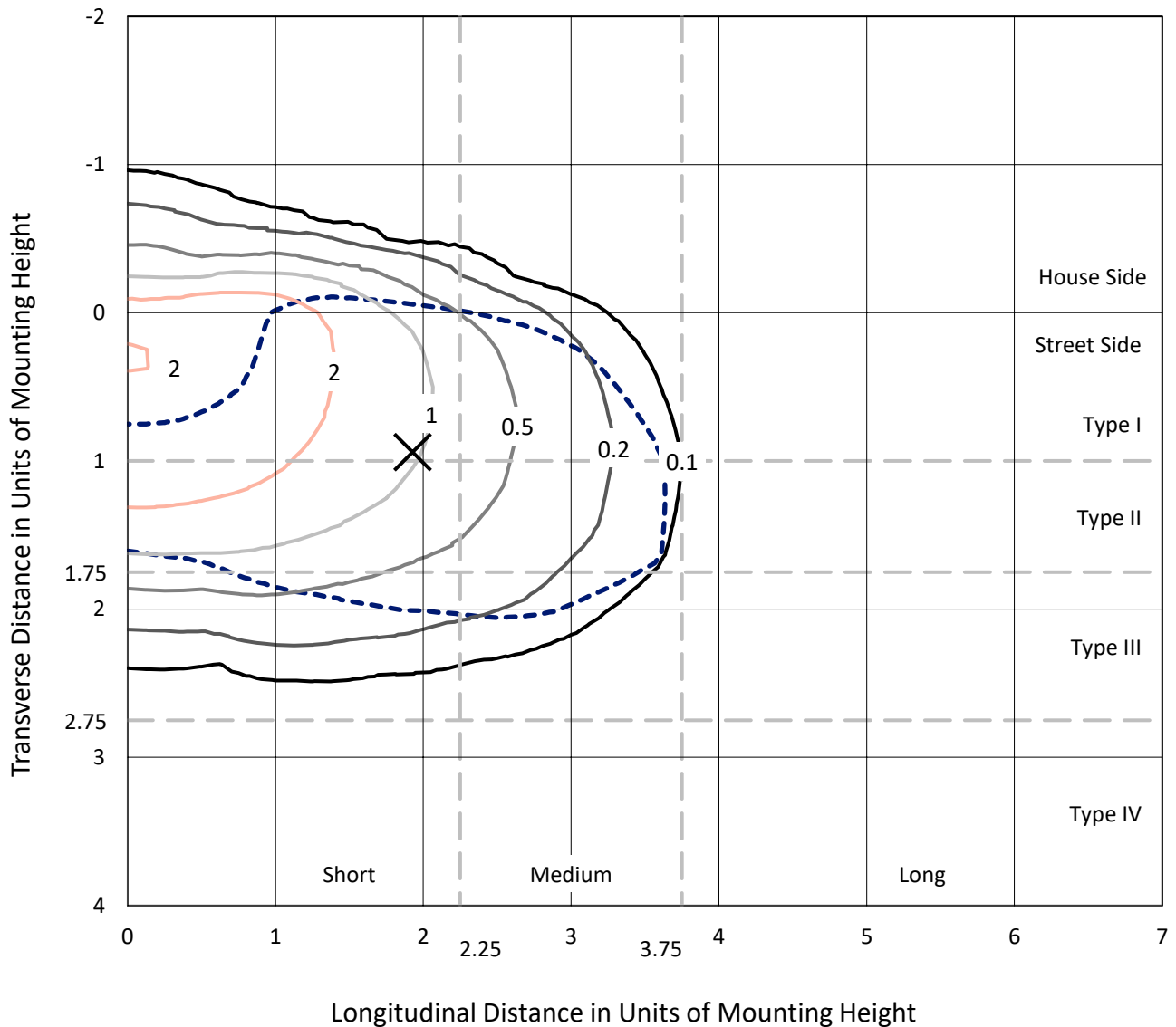
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P941596  
 CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

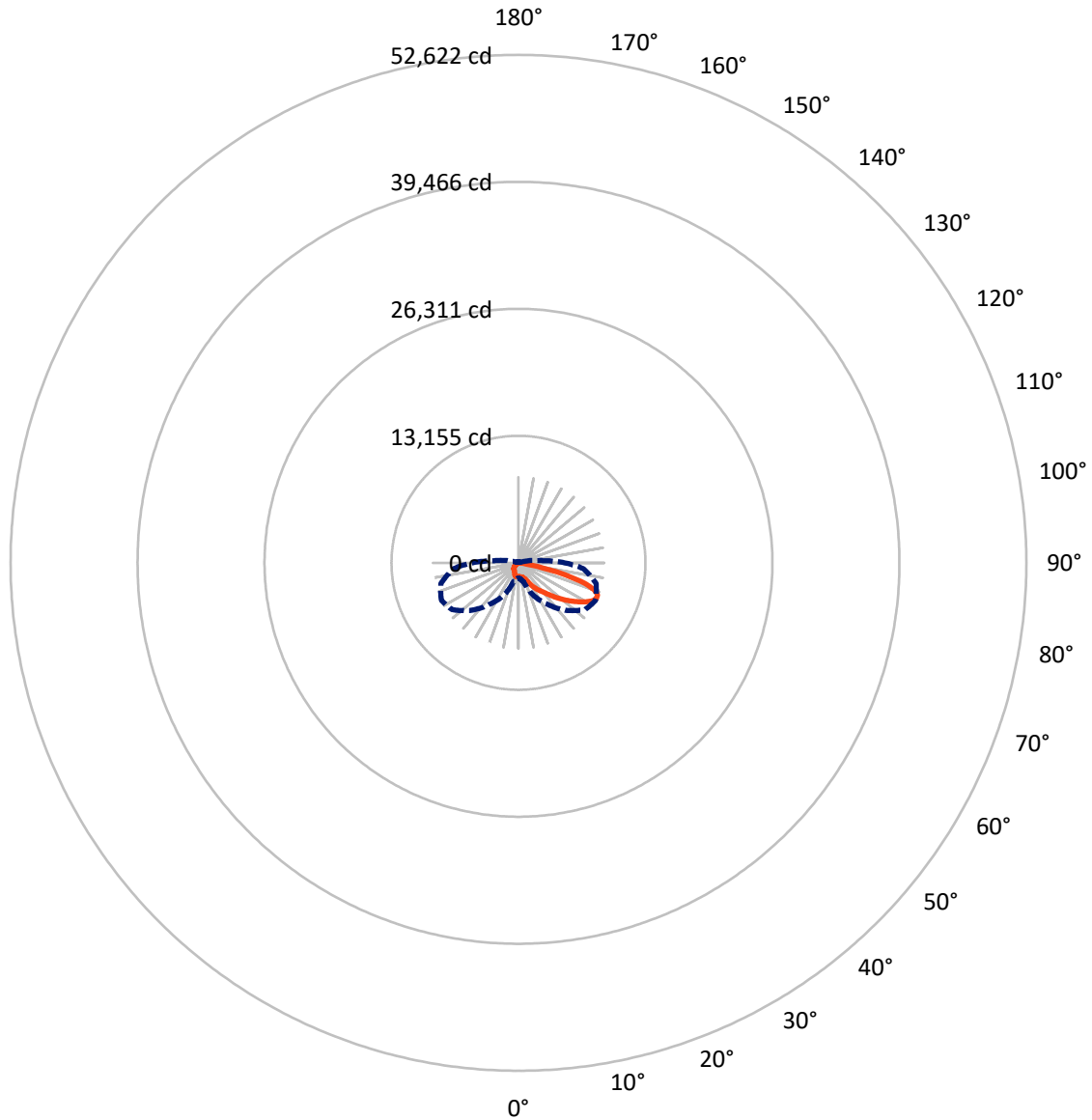
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P941596  
CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P941596  
 CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1653.3   | 0.0    | 1653.3  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 10709.7  | 0.0    | 10709.7 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 12363.0  | 0.0    | 12363.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 132.7   | 1.1       |
| 10°-20°   | 359.8   | 2.9       |
| 20°-30°   | 681.8   | 5.5       |
| 30°-40°   | 1379.7  | 11.2      |
| 40°-50°   | 2350.4  | 19.0      |
| 50°-60°   | 3196.3  | 25.9      |
| 60°-70°   | 3001.5  | 24.3      |
| 70°-80°   | 1202.5  | 9.7       |
| 80°-90°   | 58.3    | 0.5       |
| 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°    | 12363.0 | 100.0     |
| 0°-180°   | 12363.0 | 100.0     |

**Coefficient of Utilization**



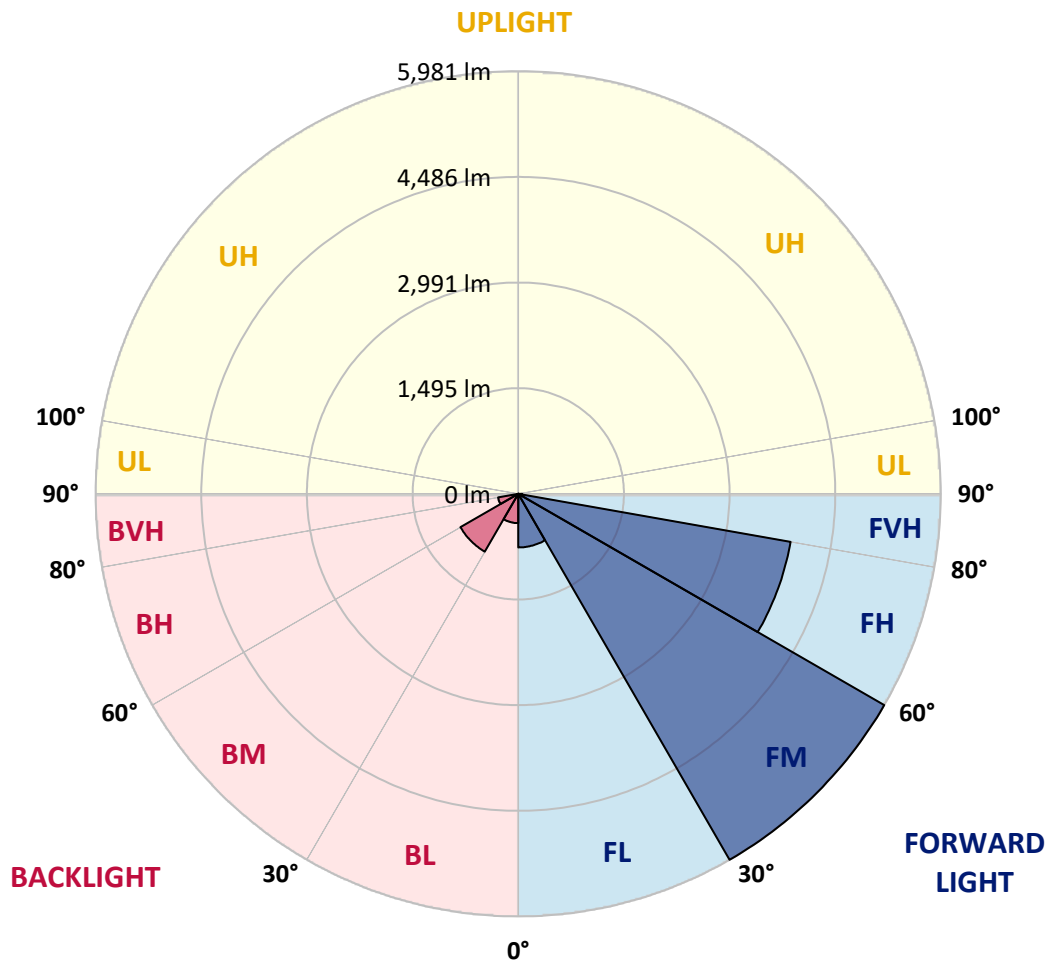
REPORT NUMBER: P941596  
 CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 759.2  | 6.1       |                         |      |         |
| FM (30°-60°)   | 5981.2 | 48.4      |                         |      |         |
| FH (60°-80°)   | 3913.8 | 31.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 55.4   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 415.1  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 945.2  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 290.2  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 2.8    | 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 III Short



REPORT NUMBER: P941596  
 CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 |
| 2.5°  | 1433.0 | 1442.9 | 1440.4 | 1437.9 | 1437.1 | 1438.8 | 1439.6 | 1438.8 | 1438.8 | 1438.8 |
| 5°    | 1405.6 | 1413.9 | 1413.9 | 1419.7 | 1428.0 | 1437.9 | 1445.4 | 1447.1 | 1448.7 | 1451.2 |
| 7.5°  | 1353.4 | 1360.0 | 1365.0 | 1384.1 | 1404.8 | 1431.3 | 1453.7 | 1465.3 | 1467.0 | 1476.1 |
| 10°   | 1317.8 | 1326.1 | 1334.3 | 1354.2 | 1384.1 | 1423.9 | 1462.0 | 1490.2 | 1494.3 | 1515.9 |
| 12.5° | 1316.1 | 1324.4 | 1335.2 | 1356.7 | 1391.5 | 1433.8 | 1480.2 | 1520.8 | 1528.3 | 1559.8 |
| 15°   | 1333.5 | 1343.5 | 1353.4 | 1379.9 | 1417.2 | 1468.6 | 1518.3 | 1568.9 | 1576.4 | 1621.1 |
| 17.5° | 1369.2 | 1382.4 | 1389.9 | 1416.4 | 1456.2 | 1513.4 | 1578.8 | 1636.9 | 1643.5 | 1695.7 |
| 20°   | 1439.6 | 1455.3 | 1457.8 | 1479.4 | 1518.3 | 1579.7 | 1657.6 | 1729.7 | 1738.0 | 1797.6 |
| 22.5° | 1585.5 | 1607.8 | 1588.0 | 1598.7 | 1633.5 | 1694.9 | 1779.4 | 1870.6 | 1882.2 | 1950.1 |
| 25°   | 1842.4 | 1873.9 | 1822.5 | 1804.3 | 1819.2 | 1883.0 | 1989.1 | 2104.3 | 2117.6 | 2172.3 |
| 27.5° | 2347.1 | 2306.5 | 2228.6 | 2152.4 | 2107.6 | 2144.1 | 2263.4 | 2406.0 | 2422.5 | 2475.6 |
| 30°   | 2901.6 | 2865.9 | 2760.7 | 2591.6 | 2485.5 | 2479.7 | 2590.0 | 2749.1 | 2768.1 | 2818.7 |
| 32.5° | 3456.9 | 3422.9 | 3308.5 | 3100.5 | 2916.5 | 2825.3 | 2901.6 | 3078.1 | 3088.1 | 3120.4 |
| 35°   | 4003.0 | 3968.2 | 3853.9 | 3640.9 | 3414.6 | 3207.4 | 3192.5 | 3391.4 | 3394.7 | 3428.7 |
| 37.5° | 4552.5 | 4523.5 | 4401.7 | 4192.8 | 3969.9 | 3684.0 | 3545.6 | 3688.1 | 3692.2 | 3725.4 |
| 40°   | 4944.5 | 4957.0 | 4873.3 | 4711.7 | 4520.2 | 4207.8 | 3941.7 | 4003.9 | 3979.0 | 4034.5 |
| 42.5° | 5281.0 | 5305.9 | 5233.0 | 5151.7 | 5040.7 | 4765.5 | 4432.4 | 4421.6 | 4381.8 | 4411.6 |
| 45°   | 5571.9 | 5592.7 | 5527.2 | 5508.1 | 5505.6 | 5312.5 | 4968.6 | 4903.9 | 4848.4 | 4842.6 |
| 47.5° | 5678.8 | 5718.6 | 5746.8 | 5810.6 | 5934.9 | 5853.7 | 5523.0 | 5422.8 | 5360.6 | 5315.0 |
| 50°   | 5719.5 | 5761.7 | 5857.9 | 6043.5 | 6337.7 | 6372.5 | 6075.0 | 5962.3 | 5886.0 | 5803.2 |
| 52.5° | 5664.8 | 5740.2 | 5869.5 | 6181.9 | 6608.7 | 6788.6 | 6604.6 | 6506.0 | 6419.0 | 6283.9 |
| 55°   | 5342.4 | 5417.8 | 5682.2 | 6180.3 | 6743.8 | 7080.3 | 7105.2 | 7061.3 | 6963.5 | 6750.5 |
| 57.5° | 4662.8 | 4774.6 | 5193.2 | 5969.8 | 6741.4 | 7331.4 | 7595.8 | 7627.3 | 7517.9 | 7212.9 |
| 60°   | 3721.3 | 3872.9 | 4383.5 | 5503.1 | 6533.3 | 7467.4 | 8026.0 | 8183.4 | 8067.4 | 7668.8 |
| 62.5° | 2596.6 | 2772.3 | 3255.5 | 4772.2 | 6057.6 | 7369.6 | 8340.1 | 8631.0 | 8543.1 | 8076.5 |
| 65°   | 1583.8 | 1640.2 | 2029.7 | 3755.2 | 5248.7 | 6960.2 | 8437.1 | 8873.0 | 8844.0 | 8326.0 |
| 67.5° | 1055.0 | 1102.3 | 1214.2 | 2575.0 | 4074.3 | 6142.1 | 8205.0 | 8830.7 | 8839.0 | 8285.4 |
| 70°   | 635.7  | 676.3  | 749.2  | 1497.6 | 2640.5 | 4861.7 | 7486.4 | 8292.0 | 8340.1 | 7742.5 |
| 72.5° | 261.9  | 289.2  | 355.5  | 678.8  | 1367.5 | 3085.6 | 5961.5 | 7119.3 | 7231.2 | 6510.1 |
| 75°   | 148.4  | 162.4  | 208.9  | 340.6  | 593.4  | 1437.9 | 3611.0 | 5053.9 | 5218.9 | 4487.1 |
| 77.5° | 98.6   | 105.3  | 135.1  | 220.5  | 334.0  | 490.6  | 1543.2 | 2633.1 | 2948.0 | 2450.7 |
| 80°   | 66.3   | 72.1   | 92.8   | 147.5  | 217.1  | 210.5  | 491.5  | 975.5  | 1200.1 | 842.0  |
| 82.5° | 44.8   | 45.6   | 66.3   | 97.0   | 137.6  | 101.9  | 145.0  | 303.3  | 381.2  | 243.7  |
| 85°   | 25.7   | 24.9   | 48.9   | 56.4   | 61.3   | 42.3   | 43.9   | 91.2   | 119.3  | 102.8  |
| 87.5° | 3.3    | 5.0    | 19.1   | 14.9   | 8.3    | 9.1    | 9.1    | 15.7   | 23.2   | 24.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P941596  
 CATALOG NUMBER: GLAN-SB5A-950-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1437.9 | 0°    | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 | 1437.9 |
| 1439.6 | 2.5°  | 1439.6 | 1438.8 | 1436.3 | 1433.8 | 1428.0 | 1424.7 | 1426.3 | 1424.7 | 1423.9 | 1424.7 |
| 1450.4 | 5°    | 1450.4 | 1447.9 | 1441.3 | 1433.0 | 1421.4 | 1407.3 | 1398.2 | 1384.9 | 1372.5 | 1365.0 |
| 1479.4 | 7.5°  | 1479.4 | 1476.9 | 1467.8 | 1444.6 | 1407.3 | 1348.4 | 1294.6 | 1247.3 | 1211.7 | 1191.0 |
| 1525.8 | 10°   | 1525.8 | 1521.7 | 1507.6 | 1456.2 | 1358.4 | 1229.9 | 1123.0 | 1034.3 | 976.3  | 949.0  |
| 1580.5 | 12.5° | 1580.5 | 1575.5 | 1550.7 | 1445.4 | 1265.6 | 1065.0 | 917.5  | 818.8  | 765.0  | 740.9  |
| 1643.5 | 15°   | 1645.1 | 1638.5 | 1589.6 | 1394.0 | 1130.5 | 882.7  | 747.6  | 673.8  | 639.0  | 617.4  |
| 1723.9 | 17.5° | 1725.5 | 1713.9 | 1618.6 | 1316.9 | 983.8  | 743.4  | 643.1  | 587.6  | 556.9  | 536.2  |
| 1829.1 | 20°   | 1830.0 | 1810.9 | 1641.8 | 1224.9 | 848.7  | 655.6  | 572.7  | 526.3  | 503.1  | 484.8  |
| 1978.3 | 22.5° | 1975.8 | 1948.5 | 1670.0 | 1125.5 | 753.4  | 595.1  | 520.5  | 486.5  | 467.4  | 446.7  |
| 2186.3 | 25°   | 2156.5 | 2124.2 | 1704.8 | 1033.5 | 687.9  | 542.9  | 482.4  | 454.2  | 431.8  | 407.8  |
| 2459.0 | 27.5° | 2409.3 | 2351.3 | 1746.3 | 958.1  | 631.5  | 498.1  | 447.5  | 416.1  | 390.4  | 370.5  |
| 2768.1 | 30°   | 2691.1 | 2595.8 | 1782.7 | 912.5  | 580.2  | 456.7  | 402.0  | 370.5  | 346.4  | 332.3  |
| 3045.8 | 32.5° | 2957.9 | 2828.6 | 1806.8 | 892.6  | 533.7  | 409.4  | 352.2  | 318.3  | 300.0  | 295.9  |
| 3317.6 | 35°   | 3209.9 | 3039.2 | 1804.3 | 873.5  | 492.3  | 362.2  | 303.3  | 268.5  | 254.4  | 256.9  |
| 3610.2 | 37.5° | 3500.0 | 3263.8 | 1786.9 | 843.7  | 458.3  | 319.1  | 261.1  | 230.4  | 218.0  | 218.8  |
| 3965.7 | 40°   | 3837.3 | 3523.2 | 1776.1 | 787.3  | 421.0  | 279.3  | 226.3  | 201.4  | 192.3  | 189.0  |
| 4340.4 | 42.5° | 4197.0 | 3774.3 | 1777.7 | 723.5  | 374.6  | 243.7  | 202.2  | 181.5  | 173.2  | 170.7  |
| 4757.2 | 45°   | 4558.3 | 4013.8 | 1780.2 | 657.2  | 325.7  | 216.3  | 184.8  | 167.4  | 162.4  | 159.1  |
| 5179.9 | 47.5° | 4898.1 | 4217.7 | 1733.8 | 586.0  | 277.6  | 195.6  | 170.7  | 159.1  | 155.0  | 150.8  |
| 5604.3 | 50°   | 5214.7 | 4353.6 | 1621.9 | 503.1  | 239.5  | 179.0  | 160.0  | 151.7  | 147.5  | 143.4  |
| 5988.8 | 52.5° | 5460.9 | 4375.2 | 1437.1 | 417.7  | 213.0  | 166.6  | 153.3  | 145.9  | 140.9  | 136.7  |
| 6299.6 | 55°   | 5570.3 | 4240.1 | 1174.4 | 338.1  | 192.3  | 155.8  | 146.7  | 139.2  | 133.4  | 129.3  |
| 6544.1 | 57.5° | 5542.1 | 3955.8 | 915.8  | 271.8  | 172.4  | 145.0  | 138.4  | 133.4  | 126.8  | 120.2  |
| 6742.2 | 60°   | 5403.7 | 3575.4 | 690.4  | 226.3  | 154.2  | 133.4  | 129.3  | 125.1  | 116.0  | 106.1  |
| 6818.4 | 62.5° | 5164.2 | 3097.2 | 492.3  | 187.3  | 134.3  | 120.2  | 118.5  | 115.2  | 101.9  | 83.7   |
| 6705.7 | 65°   | 4797.8 | 2516.2 | 331.5  | 155.8  | 115.2  | 105.3  | 106.1  | 100.3  | 82.9   | 62.2   |
| 6293.0 | 67.5° | 4262.5 | 1839.9 | 212.2  | 127.6  | 96.1   | 87.9   | 88.7   | 85.4   | 70.4   | 53.0   |
| 5510.6 | 70°   | 3580.4 | 1218.3 | 138.4  | 97.0   | 77.1   | 68.0   | 72.9   | 73.8   | 59.7   | 43.1   |
| 4229.3 | 72.5° | 2624.8 | 719.4  | 97.0   | 72.1   | 56.4   | 47.2   | 59.7   | 61.3   | 48.1   | 32.3   |
| 2544.4 | 75°   | 1496.0 | 341.5  | 72.9   | 52.2   | 34.8   | 33.2   | 46.4   | 46.4   | 33.2   | 21.5   |
| 1101.5 | 77.5° | 628.2  | 142.6  | 51.4   | 34.0   | 19.9   | 19.1   | 31.5   | 29.0   | 16.6   | 9.9    |
| 268.5  | 80°   | 181.5  | 63.8   | 27.3   | 16.6   | 8.3    | 7.5    | 12.4   | 9.1    | 4.1    | 1.7    |
| 101.9  | 82.5° | 71.3   | 28.2   | 10.8   | 6.6    | 3.3    | 3.3    | 1.7    | 0.0    | 0.0    | 0.0    |
| 58.0   | 85°   | 42.3   | 11.6   | 5.0    | 2.5    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 12.4   | 87.5° | 10.8   | 2.5    | 1.7    | 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°   |
| 1437.9 |
| 1428.0 |
| 1366.7 |
| 1191.8 |
| 946.5  |
| 738.4  |
| 618.3  |
| 534.6  |
| 481.5  |
| 443.4  |
| 405.3  |
| 366.3  |
| 329.9  |
| 298.4  |
| 256.9  |
| 222.1  |
| 188.1  |
| 169.9  |
| 159.1  |
| 150.8  |
| 143.4  |
| 135.9  |
| 128.5  |
| 119.3  |
| 104.4  |
| 82.0   |
| 60.5   |
| 50.6   |
| 41.4   |
| 30.7   |
| 19.9   |
| 9.9    |
| 1.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

F REPORT)