

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: P946734

Luminaire Tested: **GLAN-SB2B-750-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946734  
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-SB2B-750-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12135 lumens  
Efficiency: N/A  
Efficacy: 164.2 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): 73.9  
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

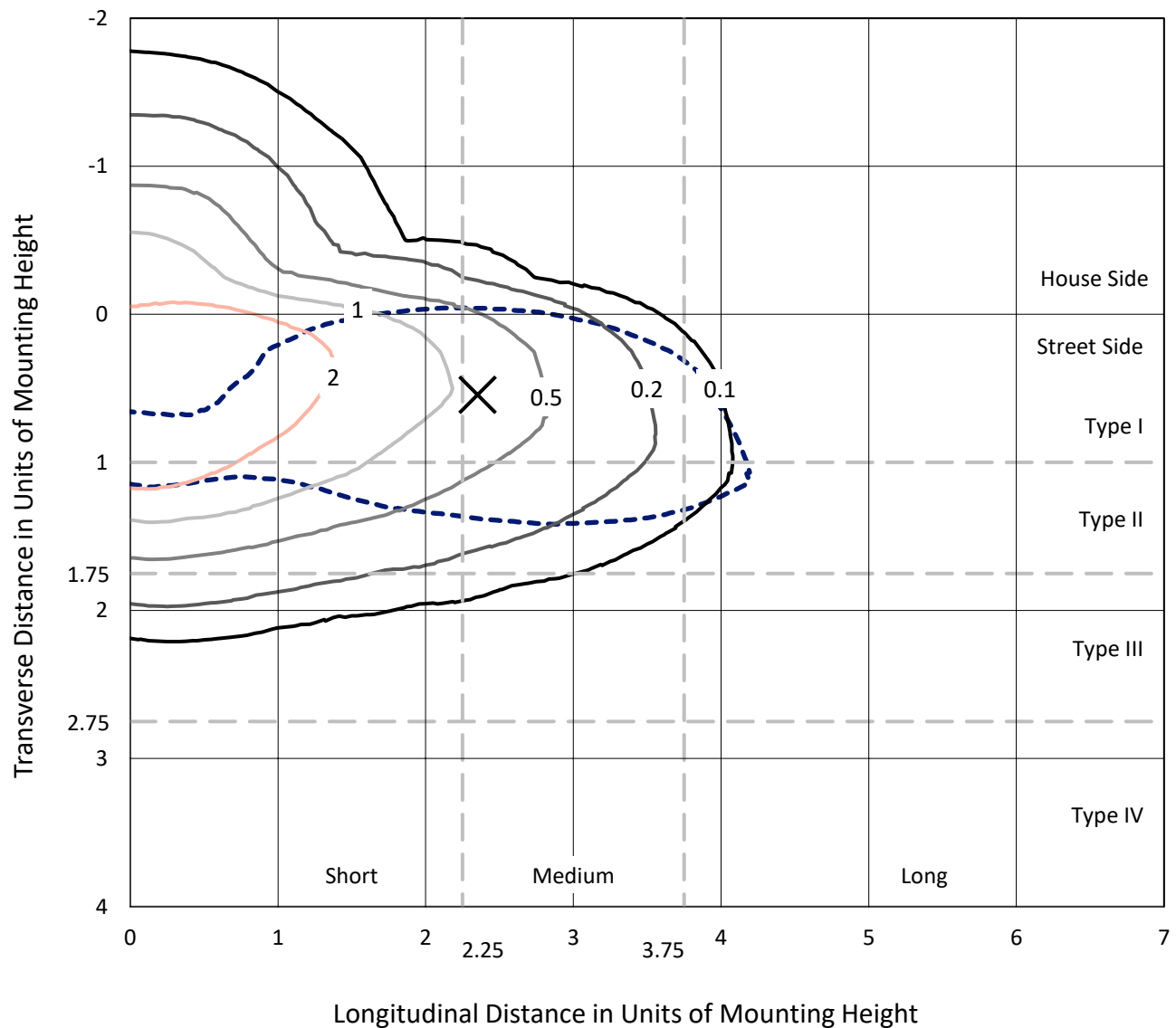


REPORT NUMBER: P946734

CATALOG NUMBER: GLAN-SB2B-750-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

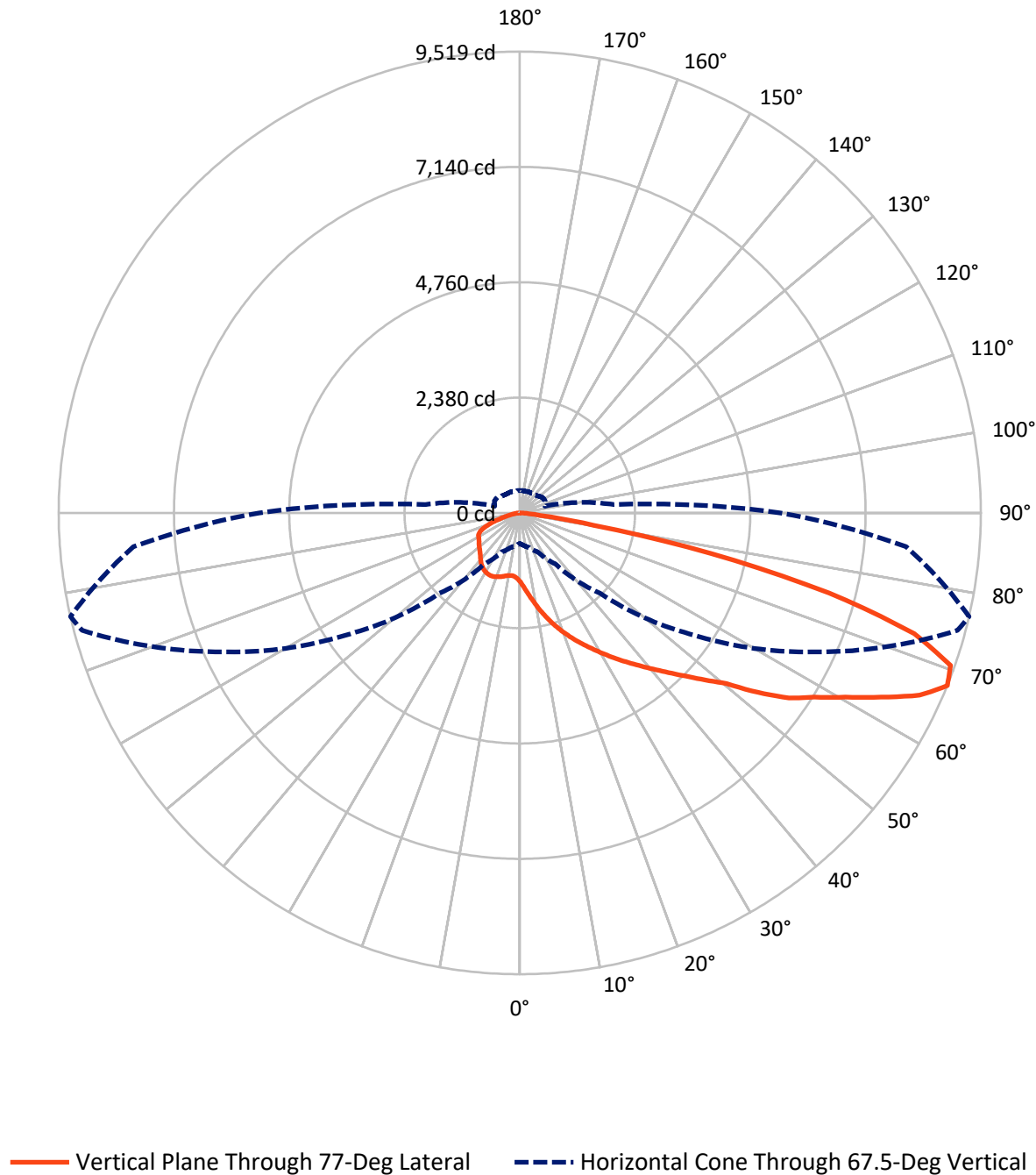
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
Type II - Medium - N/A

REPORT NUMBER: P946734  
CATALOG NUMBER: GLAN-SB2B-750-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P946734

CATALOG NUMBER: GLAN-SB2B-750-U-T2R

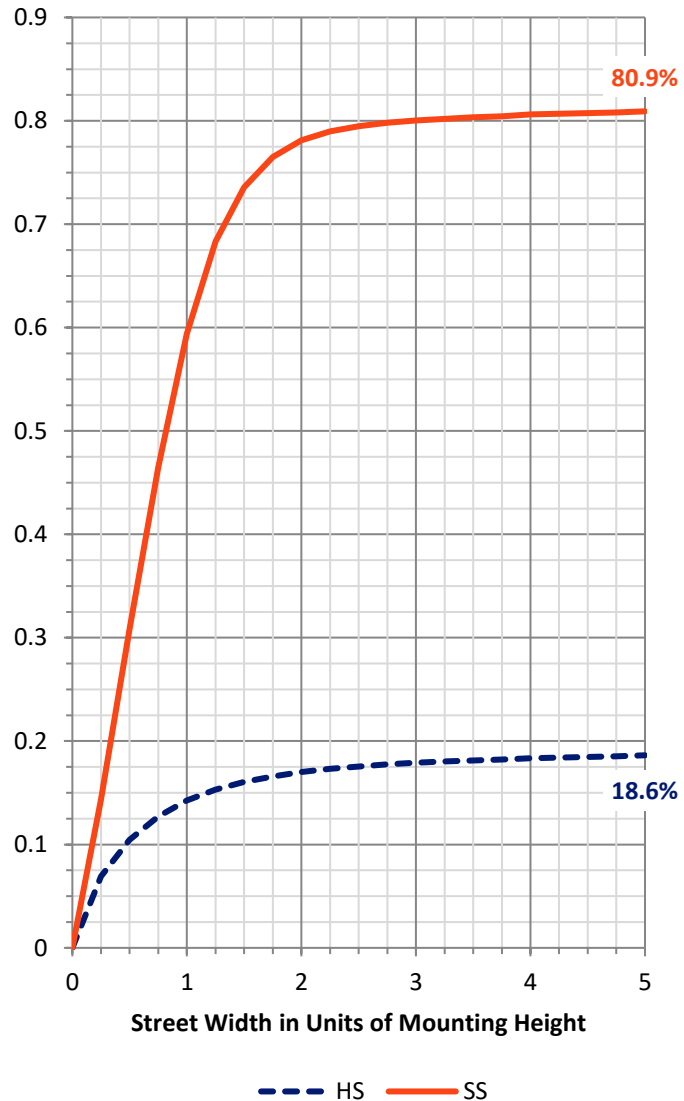
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2295.5   | 0.0    | 2295.5  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 9839.5   | 0.0    | 9839.5  |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 12135.0  | 0.0    | 12135.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 152.6   | 1.3       |
| 10°-20°   | 548.3   | 4.5       |
| 20°-30°   | 1035.2  | 8.5       |
| 30°-40°   | 1667.7  | 13.7      |
| 40°-50°   | 2281.1  | 18.8      |
| 50°-60°   | 2573.1  | 21.2      |
| 60°-70°   | 2401.7  | 19.8      |
| 70°-80°   | 1316.5  | 10.8      |
| 80°-90°   | 158.8   | 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°    | 12135.0 | 100.0     |
| 0°-180°   | 12135.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P946734

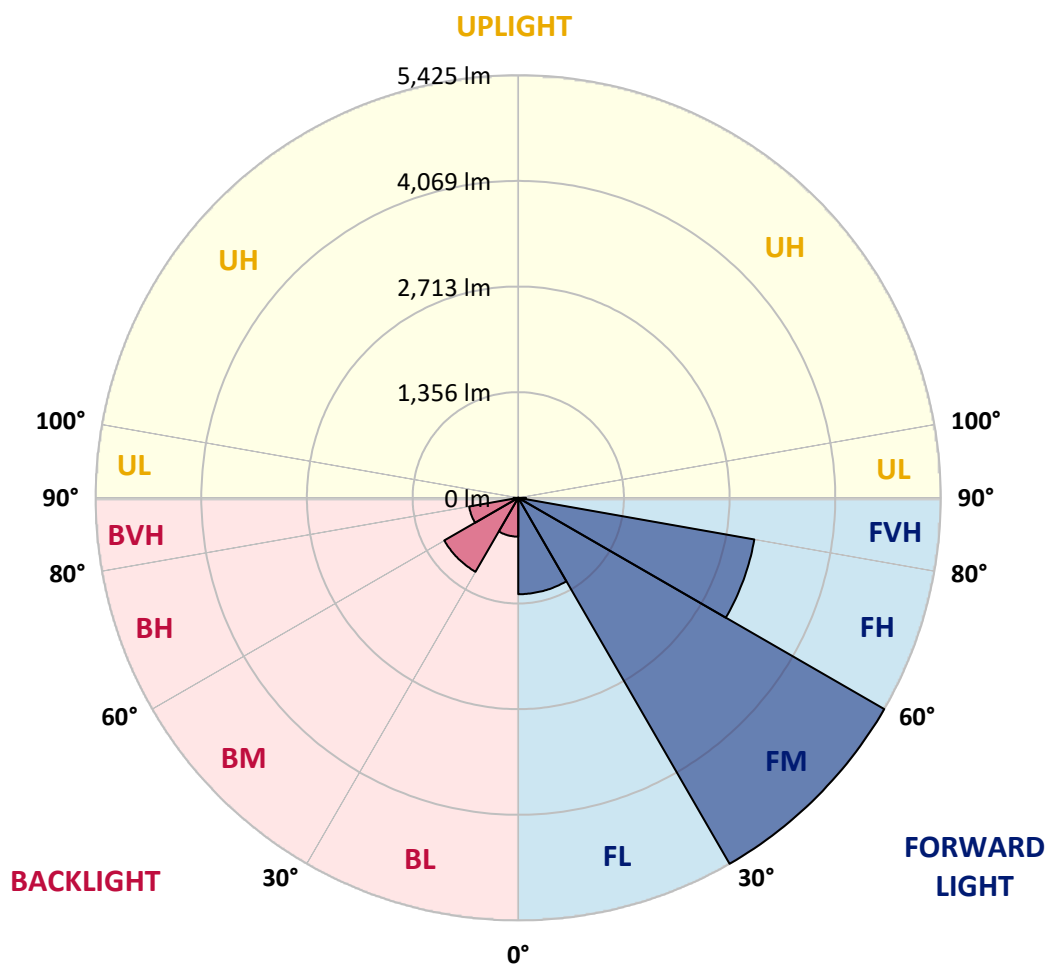
CATALOG NUMBER: GLAN-SB2B-750-U-T2R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1237.0 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 5425.4 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 3077.8 | 25.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 99.3   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 499.1  | 4.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1096.5 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 640.4  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 59.5   | 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: P946734

CATALOG NUMBER: GLAN-SB2B-750-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 |
| 2.5°  | 1782.7 | 1795.3 | 1779.6 | 1779.6 | 1727.0 | 1699.4 | 1646.8 | 1606.7 | 1534.7 | 1522.2 |
| 5°    | 2107.2 | 2122.9 | 2101.0 | 2091.6 | 2029.5 | 1972.5 | 1884.2 | 1797.1 | 1668.7 | 1655.6 |
| 7.5°  | 2358.4 | 2378.4 | 2359.0 | 2349.0 | 2293.9 | 2230.0 | 2126.6 | 2005.1 | 1824.1 | 1798.4 |
| 10°   | 2563.2 | 2566.4 | 2560.1 | 2563.9 | 2520.6 | 2468.0 | 2362.2 | 2220.6 | 1994.5 | 1959.4 |
| 12.5° | 2679.1 | 2693.5 | 2706.1 | 2728.6 | 2721.1 | 2688.5 | 2593.3 | 2424.2 | 2174.9 | 2129.8 |
| 15°   | 2733.6 | 2758.7 | 2786.9 | 2838.9 | 2880.8 | 2889.0 | 2816.3 | 2642.8 | 2358.4 | 2303.9 |
| 17.5° | 2753.0 | 2776.8 | 2821.3 | 2896.5 | 2986.7 | 3047.4 | 3014.9 | 2855.1 | 2540.1 | 2477.4 |
| 20°   | 2851.4 | 2858.3 | 2885.2 | 2956.6 | 3054.3 | 3155.2 | 3179.6 | 3059.3 | 2719.8 | 2649.1 |
| 22.5° | 3061.9 | 3048.1 | 3055.6 | 3088.2 | 3158.3 | 3256.0 | 3311.8 | 3239.8 | 2904.6 | 2823.2 |
| 25°   | 3409.5 | 3369.4 | 3329.3 | 3291.7 | 3327.4 | 3382.6 | 3445.8 | 3420.2 | 3098.2 | 2994.8 |
| 27.5° | 3848.6 | 3799.8 | 3711.4 | 3588.0 | 3544.8 | 3564.2 | 3592.4 | 3587.4 | 3277.3 | 3172.7 |
| 30°   | 4280.8 | 4223.8 | 4118.6 | 3940.1 | 3826.1 | 3774.7 | 3753.4 | 3739.0 | 3472.1 | 3360.6 |
| 32.5° | 4626.0 | 4580.9 | 4477.5 | 4277.7 | 4112.3 | 4024.6 | 3953.9 | 3902.5 | 3675.7 | 3564.2 |
| 35°   | 4927.9 | 4885.9 | 4767.5 | 4549.6 | 4369.8 | 4276.4 | 4183.7 | 4074.1 | 3887.5 | 3774.7 |
| 37.5° | 5203.5 | 5161.6 | 4999.3 | 4772.6 | 4591.5 | 4527.0 | 4444.3 | 4258.3 | 4099.8 | 3993.3 |
| 40°   | 5377.7 | 5368.3 | 5216.7 | 4959.9 | 4771.9 | 4740.0 | 4712.4 | 4471.9 | 4335.3 | 4236.4 |
| 42.5° | 5422.1 | 5442.8 | 5322.5 | 5111.4 | 4932.3 | 4906.6 | 4971.1 | 4713.7 | 4599.7 | 4505.1 |
| 45°   | 5315.0 | 5374.5 | 5295.6 | 5152.2 | 5046.3 | 5032.5 | 5200.4 | 4978.0 | 4892.2 | 4805.8 |
| 47.5° | 5043.8 | 5144.6 | 5112.1 | 5092.0 | 5077.0 | 5136.5 | 5402.1 | 5258.6 | 5223.6 | 5148.4 |
| 50°   | 4496.3 | 4687.4 | 4744.4 | 4870.9 | 5016.2 | 5217.3 | 5585.6 | 5565.0 | 5610.7 | 5534.9 |
| 52.5° | 3549.8 | 3812.9 | 4143.7 | 4460.6 | 4829.6 | 5190.4 | 5787.3 | 6004.7 | 6197.6 | 6156.3 |
| 55°   | 2930.3 | 3048.7 | 3303.0 | 3884.3 | 4467.5 | 5077.0 | 5878.2 | 6359.9 | 6780.2 | 6743.2 |
| 57.5° | 2454.2 | 2560.1 | 2716.7 | 3202.2 | 3920.0 | 4819.5 | 5934.5 | 6576.6 | 7179.2 | 7175.4 |
| 60°   | 1943.7 | 2055.9 | 2216.2 | 2560.1 | 3280.5 | 4374.8 | 5922.0 | 6823.4 | 7688.5 | 7719.8 |
| 62.5° | 1367.4 | 1490.8 | 1668.7 | 1989.5 | 2627.1 | 3798.5 | 5666.4 | 7001.9 | 8287.9 | 8373.1 |
| 65°   | 898.9  | 980.3  | 1114.4 | 1391.2 | 1957.5 | 3057.5 | 5178.5 | 7025.1 | 8929.4 | 9073.4 |
| 67.5° | 630.2  | 661.5  | 740.4  | 890.7  | 1290.4 | 2344.6 | 4401.1 | 6785.2 | 9357.2 | 9519.4 |
| 70°   | 491.7  | 507.4  | 547.5  | 607.6  | 810.6  | 1576.7 | 3372.6 | 6161.3 | 9265.7 | 9434.9 |
| 72.5° | 424.7  | 439.7  | 454.8  | 462.3  | 543.7  | 973.4  | 2284.5 | 5151.5 | 8404.4 | 8519.1 |
| 75°   | 385.2  | 389.0  | 401.5  | 399.0  | 414.7  | 631.4  | 1318.6 | 3753.4 | 6631.1 | 6591.6 |
| 77.5° | 323.9  | 328.9  | 349.5  | 346.4  | 368.3  | 431.6  | 684.7  | 2422.3 | 4299.0 | 4030.9 |
| 80°   | 274.4  | 276.9  | 299.4  | 295.7  | 320.1  | 312.6  | 349.5  | 1234.6 | 1823.5 | 1544.7 |
| 82.5° | 95.2   | 117.8  | 228.6  | 235.5  | 244.3  | 189.2  | 201.7  | 503.6  | 556.9  | 426.6  |
| 85°   | 46.4   | 49.5   | 116.5  | 165.4  | 164.7  | 95.2   | 98.3   | 179.8  | 175.4  | 137.8  |
| 87.5° | 7.5    | 9.4    | 13.8   | 64.5   | 51.4   | 25.1   | 33.8   | 35.1   | 36.3   | 31.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P946734

CATALOG NUMBER: GLAN-SB2B-750-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1423.8 | 0°    | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 | 1423.8 |
| 1474.6 | 2.5°  | 1439.5 | 1408.2 | 1342.4 | 1281.6 | 1234.0 | 1188.3 | 1162.6 | 1140.7 | 1128.2 | 1125.6 |
| 1543.5 | 5°    | 1478.3 | 1413.8 | 1294.1 | 1193.3 | 1127.5 | 1078.7 | 1053.0 | 1036.7 | 1028.6 | 1023.5 |
| 1636.2 | 7.5°  | 1534.1 | 1439.5 | 1269.1 | 1154.5 | 1085.6 | 1050.5 | 1037.3 | 1034.8 | 1034.2 | 1034.8 |
| 1748.3 | 10°   | 1611.1 | 1481.4 | 1266.6 | 1145.1 | 1087.4 | 1068.0 | 1067.4 | 1068.0 | 1070.5 | 1071.1 |
| 1870.4 | 12.5° | 1694.4 | 1524.7 | 1276.6 | 1153.2 | 1111.2 | 1100.6 | 1098.7 | 1098.1 | 1100.0 | 1101.2 |
| 1993.8 | 15°   | 1785.2 | 1581.7 | 1293.5 | 1170.7 | 1137.5 | 1126.3 | 1124.4 | 1120.6 | 1120.0 | 1119.4 |
| 2123.5 | 17.5° | 1878.6 | 1638.0 | 1312.3 | 1189.5 | 1154.5 | 1138.8 | 1131.9 | 1123.1 | 1116.2 | 1114.4 |
| 2257.6 | 20°   | 1973.2 | 1693.8 | 1325.5 | 1198.9 | 1155.7 | 1133.8 | 1120.0 | 1105.0 | 1093.1 | 1086.2 |
| 2392.9 | 22.5° | 2074.0 | 1752.0 | 1333.6 | 1196.4 | 1144.4 | 1114.4 | 1089.3 | 1071.8 | 1053.6 | 1041.7 |
| 2529.4 | 25°   | 2172.4 | 1802.8 | 1333.0 | 1183.3 | 1122.5 | 1084.3 | 1052.4 | 1029.8 | 1004.7 | 992.2  |
| 2670.4 | 27.5° | 2267.0 | 1848.5 | 1317.3 | 1160.1 | 1091.2 | 1048.6 | 1010.4 | 983.5  | 959.0  | 947.1  |
| 2812.5 | 30°   | 2364.7 | 1886.7 | 1292.9 | 1126.3 | 1054.2 | 1007.3 | 965.3  | 942.1  | 920.2  | 908.9  |
| 2962.9 | 32.5° | 2461.8 | 1921.8 | 1258.4 | 1084.3 | 1011.6 | 966.5  | 925.2  | 903.9  | 890.7  | 890.7  |
| 3124.5 | 35°   | 2564.5 | 1946.2 | 1212.7 | 1035.4 | 966.5  | 923.3  | 890.7  | 878.2  | 877.0  | 869.4  |
| 3295.5 | 37.5° | 2672.9 | 1961.9 | 1157.0 | 985.3  | 922.1  | 881.3  | 871.3  | 856.3  | 843.8  | 827.5  |
| 3483.4 | 40°   | 2786.9 | 1977.6 | 1089.9 | 933.3  | 875.1  | 852.5  | 848.1  | 828.1  | 792.4  | 752.3  |
| 3696.4 | 42.5° | 2925.3 | 1988.2 | 1020.4 | 881.3  | 825.6  | 818.1  | 824.3  | 789.9  | 732.9  | 702.8  |
| 3953.2 | 45°   | 3085.7 | 2005.7 | 956.5  | 830.0  | 774.9  | 774.9  | 801.2  | 756.1  | 709.1  | 690.3  |
| 4246.4 | 47.5° | 3293.6 | 2046.5 | 897.0  | 773.6  | 727.9  | 740.4  | 749.8  | 715.4  | 689.0  | 665.9  |
| 4603.4 | 50°   | 3594.3 | 2144.2 | 835.6  | 716.6  | 692.2  | 717.2  | 704.1  | 684.0  | 653.3  | 634.5  |
| 5171.0 | 52.5° | 3967.6 | 2201.8 | 781.1  | 665.2  | 661.5  | 686.5  | 667.7  | 649.0  | 625.8  | 600.7  |
| 5601.3 | 55°   | 4222.0 | 2212.5 | 735.4  | 627.7  | 640.8  | 638.3  | 631.4  | 614.5  | 602.0  | 568.8  |
| 6026.0 | 57.5° | 4506.3 | 2233.8 | 697.8  | 605.1  | 627.7  | 600.1  | 597.6  | 583.2  | 566.9  | 544.3  |
| 6544.0 | 60°   | 4846.5 | 2267.0 | 665.2  | 596.3  | 616.4  | 575.0  | 562.5  | 556.9  | 540.6  | 529.3  |
| 7167.3 | 62.5° | 5217.3 | 2297.0 | 632.0  | 597.6  | 603.2  | 550.6  | 531.8  | 529.9  | 519.9  | 516.2  |
| 7752.4 | 65°   | 5470.4 | 2215.0 | 590.7  | 596.3  | 582.6  | 525.6  | 501.7  | 501.1  | 493.0  | 491.7  |
| 8006.0 | 67.5° | 5382.0 | 1955.0 | 534.9  | 578.8  | 561.3  | 500.5  | 474.2  | 471.7  | 461.0  | 461.7  |
| 7741.1 | 70°   | 4939.8 | 1584.2 | 457.9  | 535.6  | 534.9  | 477.9  | 445.4  | 437.2  | 422.8  | 425.3  |
| 6730.7 | 72.5° | 4110.5 | 1173.9 | 354.5  | 463.5  | 493.0  | 457.3  | 412.2  | 399.0  | 380.9  | 383.4  |
| 4968.6 | 75°   | 2968.5 | 798.0  | 258.1  | 352.7  | 429.1  | 432.8  | 379.6  | 357.0  | 335.1  | 338.9  |
| 2765.6 | 77.5° | 1519.0 | 452.3  | 189.8  | 243.0  | 337.0  | 393.4  | 350.2  | 320.1  | 315.1  | 350.2  |
| 797.4  | 80°   | 495.5  | 226.8  | 131.5  | 170.4  | 221.1  | 322.0  | 306.9  | 272.5  | 271.2  | 279.4  |
| 167.2  | 82.5° | 147.8  | 95.8   | 84.6   | 112.1  | 122.1  | 246.8  | 265.0  | 206.1  | 177.3  | 186.7  |
| 55.7   | 85°   | 50.7   | 46.4   | 48.2   | 55.7   | 58.3   | 144.7  | 185.4  | 136.6  | 129.0  | 142.2  |
| 12.5   | 87.5° | 11.9   | 16.3   | 13.8   | 12.5   | 12.5   | 35.1   | 72.0   | 57.0   | 78.9   | 52.6   |
| 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°   |
|--------|
| 1423.8 |
| 1125.6 |
| 1022.9 |
| 1036.7 |
| 1071.8 |
| 1101.8 |
| 1118.8 |
| 1116.2 |
| 1088.7 |
| 1042.3 |
| 992.2  |
| 946.5  |
| 908.3  |
| 891.4  |
| 867.6  |
| 825.0  |
| 746.7  |
| 703.4  |
| 693.4  |
| 665.2  |
| 632.7  |
| 595.7  |
| 569.4  |
| 536.8  |
| 532.4  |
| 516.2  |
| 491.1  |
| 461.7  |
| 427.8  |
| 382.7  |
| 340.1  |
| 345.1  |
| 239.9  |
| 192.9  |
| 140.3  |
| 50.7   |
| 0.0    |