

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: P948372

Luminaire Tested: **GLAN-SB3B-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948372  
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-SB3B-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12470 lumens  
Efficiency: N/A  
Efficacy: 114.2 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): 109.2  
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

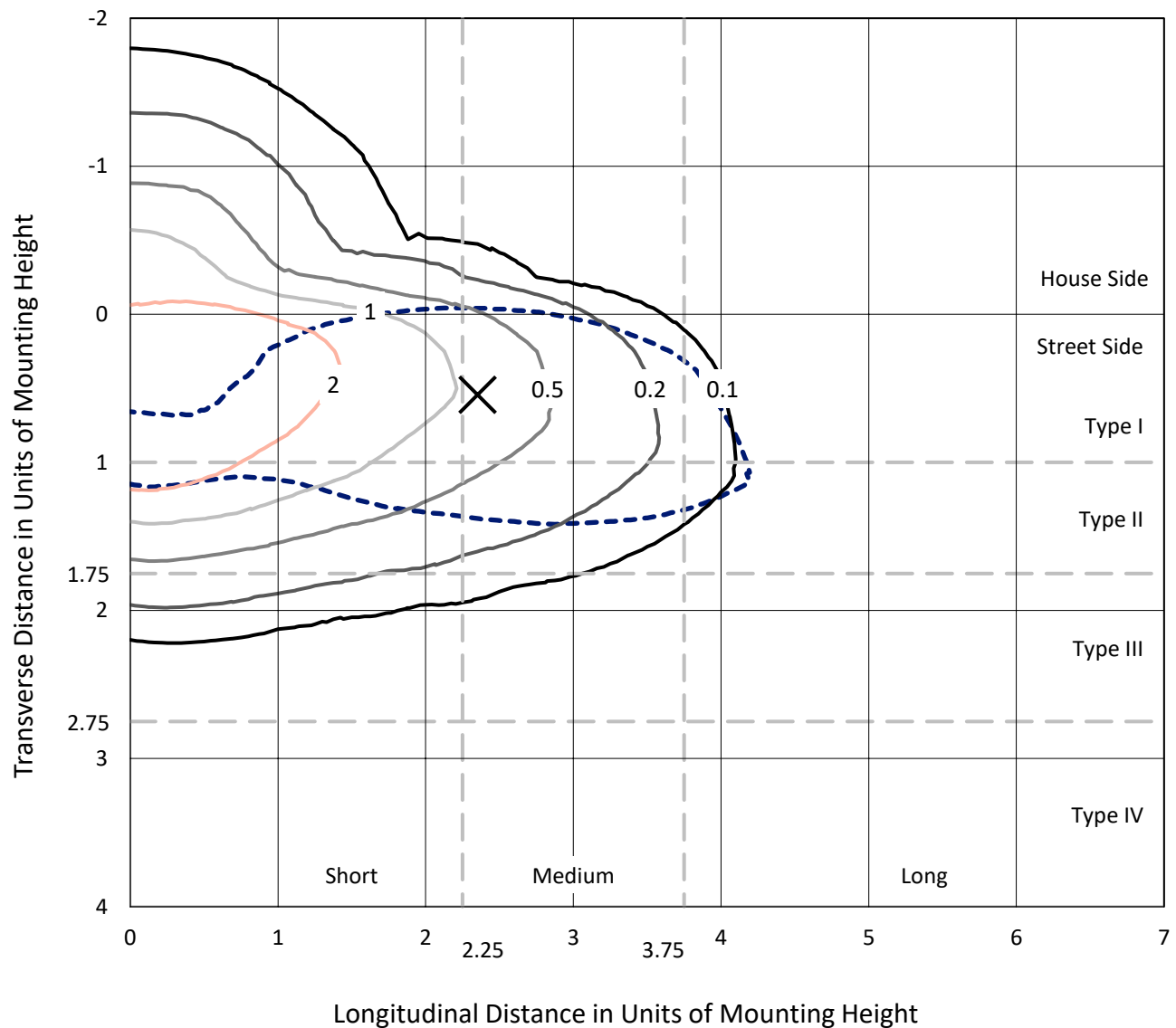


REPORT NUMBER: P948372

CATALOG NUMBER: GLAN-SB3B-940-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

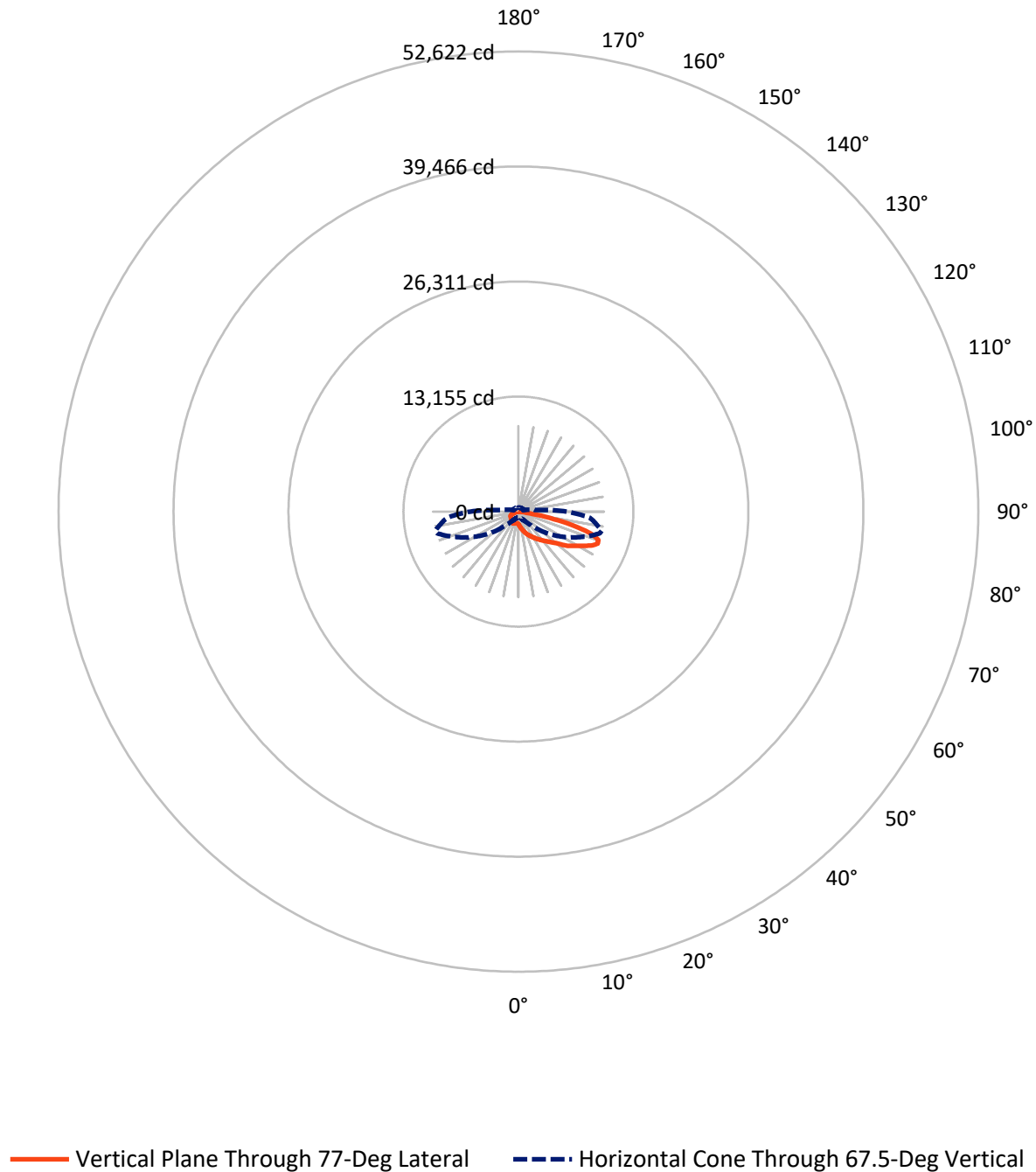
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
Type II - Medium - N/A

REPORT NUMBER: P948372  
CATALOG NUMBER: GLAN-SB3B-940-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P948372

CATALOG NUMBER: GLAN-SB3B-940-U-T2R

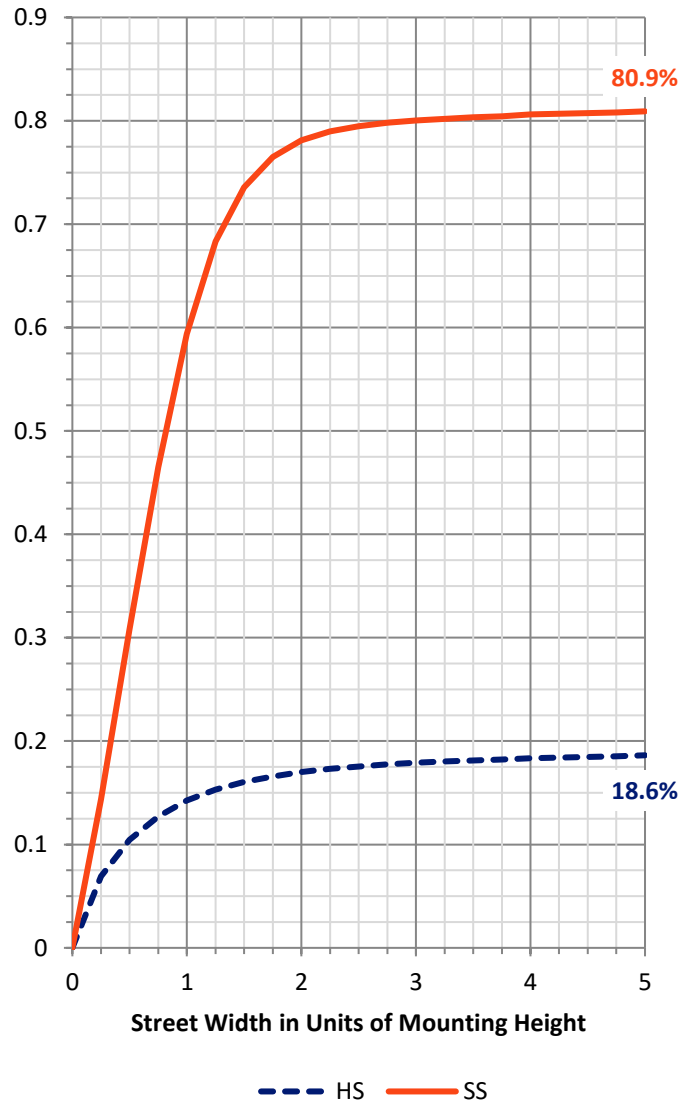
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2358.8   | 0.0    | 2358.8  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 10111.2  | 0.0    | 10111.2 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 12470.0  | 0.0    | 12470.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 156.8   | 1.3       |
| 10°-20°   | 563.4   | 4.5       |
| 20°-30°   | 1063.8  | 8.5       |
| 30°-40°   | 1713.7  | 13.7      |
| 40°-50°   | 2344.1  | 18.8      |
| 50°-60°   | 2644.1  | 21.2      |
| 60°-70°   | 2468.0  | 19.8      |
| 70°-80°   | 1352.9  | 10.8      |
| 80°-90°   | 163.2   | 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°    | 12470.0 | 100.0     |
| 0°-180°   | 12470.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P948372

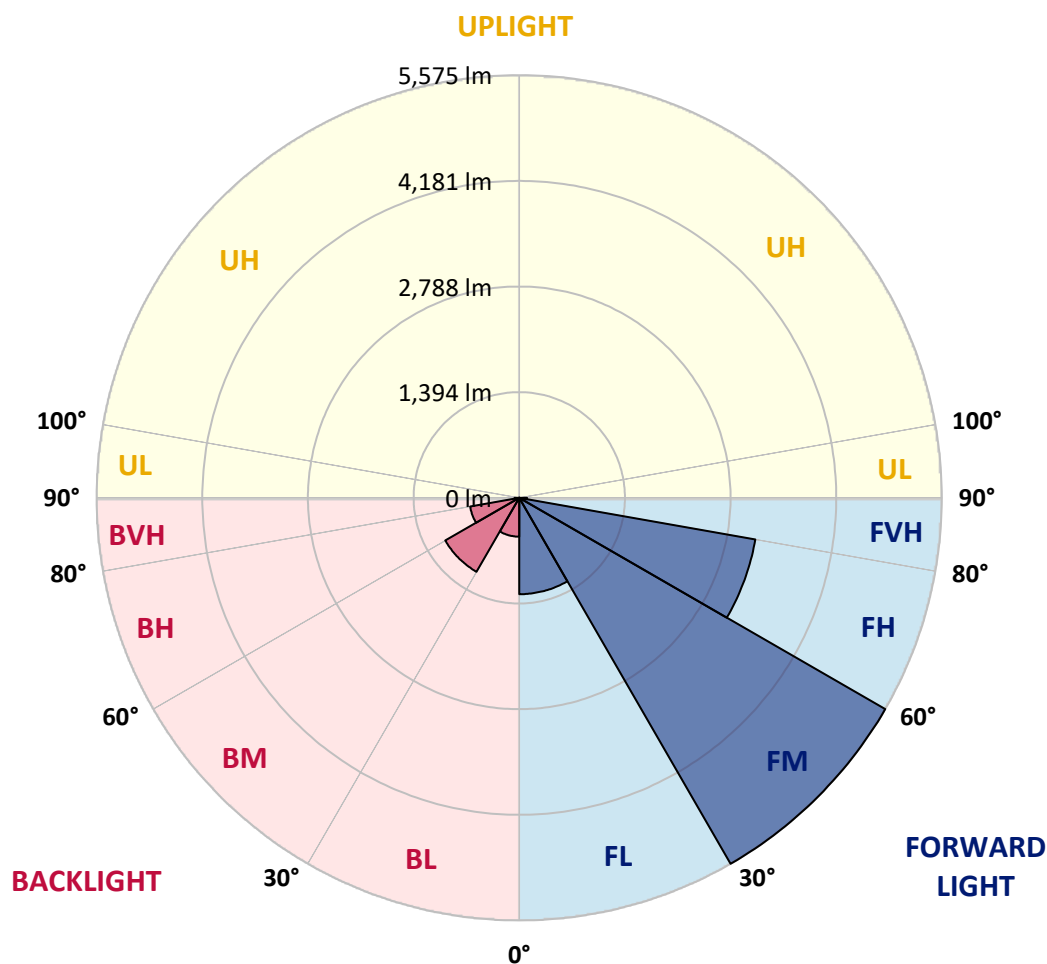
CATALOG NUMBER: GLAN-SB3B-940-U-T2R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1271.2 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 5575.2 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 3162.8 | 25.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 102.0  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 512.9  | 4.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1126.8 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 658.1  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 61.1   | 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: P948372

CATALOG NUMBER: GLAN-SB3B-940-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 |
| 2.5°  | 1832.0 | 1844.8 | 1828.7 | 1828.7 | 1774.7 | 1746.3 | 1692.3 | 1651.1 | 1577.1 | 1564.2 |
| 5°    | 2165.4 | 2181.5 | 2159.0 | 2149.3 | 2085.6 | 2027.0 | 1936.2 | 1846.8 | 1714.8 | 1701.3 |
| 7.5°  | 2423.5 | 2444.1 | 2424.2 | 2413.9 | 2357.2 | 2291.6 | 2185.3 | 2060.5 | 1874.4 | 1848.0 |
| 10°   | 2634.0 | 2637.2 | 2630.8 | 2634.6 | 2590.2 | 2536.2 | 2427.4 | 2281.9 | 2049.5 | 2013.5 |
| 12.5° | 2753.1 | 2767.9 | 2780.8 | 2803.9 | 2796.2 | 2762.7 | 2664.9 | 2491.1 | 2234.9 | 2188.6 |
| 15°   | 2809.1 | 2834.8 | 2863.8 | 2917.2 | 2960.4 | 2968.7 | 2894.1 | 2715.7 | 2423.5 | 2367.5 |
| 17.5° | 2829.0 | 2853.5 | 2899.2 | 2976.4 | 3069.1 | 3131.6 | 3098.1 | 2934.0 | 2610.2 | 2545.8 |
| 20°   | 2930.1 | 2937.2 | 2964.9 | 3038.2 | 3138.7 | 3242.3 | 3267.4 | 3143.8 | 2794.9 | 2722.2 |
| 22.5° | 3146.4 | 3132.2 | 3139.9 | 3173.4 | 3245.5 | 3345.9 | 3403.2 | 3329.2 | 2984.8 | 2901.1 |
| 25°   | 3503.6 | 3462.4 | 3421.2 | 3382.6 | 3419.3 | 3476.0 | 3541.0 | 3514.6 | 3183.7 | 3077.5 |
| 27.5° | 3954.9 | 3904.7 | 3813.9 | 3687.1 | 3642.7 | 3662.6 | 3691.6 | 3686.4 | 3367.8 | 3260.3 |
| 30°   | 4399.0 | 4340.4 | 4232.3 | 4048.8 | 3931.7 | 3878.9 | 3857.0 | 3842.2 | 3568.0 | 3453.4 |
| 32.5° | 4753.7 | 4707.3 | 4601.1 | 4395.8 | 4225.9 | 4135.7 | 4063.0 | 4010.2 | 3777.2 | 3662.6 |
| 35°   | 5063.9 | 5020.8 | 4899.2 | 4675.2 | 4490.4 | 4394.5 | 4299.2 | 4186.6 | 3994.8 | 3878.9 |
| 37.5° | 5347.2 | 5304.0 | 5137.3 | 4904.3 | 4718.3 | 4652.0 | 4567.0 | 4375.8 | 4213.0 | 4103.6 |
| 40°   | 5526.1 | 5516.5 | 5360.7 | 5096.8 | 4903.7 | 4870.8 | 4842.5 | 4595.3 | 4455.0 | 4353.3 |
| 42.5° | 5571.8 | 5593.1 | 5469.5 | 5252.6 | 5068.5 | 5042.1 | 5108.4 | 4843.8 | 4726.7 | 4629.5 |
| 45°   | 5461.8 | 5522.9 | 5441.8 | 5294.4 | 5185.6 | 5171.4 | 5344.0 | 5115.4 | 5027.3 | 4938.4 |
| 47.5° | 5183.0 | 5286.7 | 5253.2 | 5232.6 | 5217.1 | 5278.3 | 5551.2 | 5403.8 | 5367.8 | 5290.5 |
| 50°   | 4620.4 | 4816.8 | 4875.3 | 5005.4 | 5154.7 | 5361.3 | 5739.8 | 5718.6 | 5765.6 | 5687.7 |
| 52.5° | 3647.8 | 3918.2 | 4258.0 | 4583.8 | 4962.9 | 5333.7 | 5947.1 | 6170.5 | 6368.7 | 6326.2 |
| 55°   | 3011.2 | 3132.9 | 3394.2 | 3991.6 | 4590.8 | 5217.1 | 6040.4 | 6535.4 | 6967.4 | 6929.4 |
| 57.5° | 2522.0 | 2630.8 | 2791.7 | 3290.6 | 4028.2 | 4952.6 | 6098.4 | 6758.2 | 7377.4 | 7373.5 |
| 60°   | 1997.4 | 2112.6 | 2277.4 | 2630.8 | 3371.0 | 4495.6 | 6085.5 | 7011.8 | 7900.7 | 7932.9 |
| 62.5° | 1405.2 | 1532.0 | 1714.8 | 2044.4 | 2699.7 | 3903.4 | 5822.9 | 7195.2 | 8516.7 | 8604.3 |
| 65°   | 923.7  | 1007.4 | 1145.1 | 1429.6 | 2011.5 | 3141.9 | 5321.4 | 7219.0 | 9175.9 | 9323.9 |
| 67.5° | 647.6  | 679.7  | 760.8  | 915.3  | 1326.0 | 2409.3 | 4522.6 | 6972.5 | 9615.5 | 9782.2 |
| 70°   | 505.3  | 521.4  | 562.6  | 624.4  | 832.9  | 1620.2 | 3465.7 | 6331.4 | 9521.5 | 9695.3 |
| 72.5° | 436.4  | 451.9  | 467.3  | 475.0  | 558.7  | 1000.3 | 2347.6 | 5293.7 | 8636.5 | 8754.3 |
| 75°   | 395.9  | 399.7  | 412.6  | 410.0  | 426.1  | 648.8  | 1355.0 | 3857.0 | 6814.2 | 6773.6 |
| 77.5° | 332.8  | 337.9  | 359.2  | 356.0  | 378.5  | 443.5  | 703.6  | 2489.2 | 4417.7 | 4142.2 |
| 80°   | 281.9  | 284.5  | 307.7  | 303.8  | 328.9  | 321.2  | 359.2  | 1268.7 | 1873.8 | 1587.4 |
| 82.5° | 97.8   | 121.0  | 234.9  | 242.0  | 251.0  | 194.4  | 207.3  | 517.5  | 572.2  | 438.4  |
| 85°   | 47.6   | 50.9   | 119.7  | 169.9  | 169.3  | 97.8   | 101.1  | 184.7  | 180.2  | 141.6  |
| 87.5° | 7.7    | 9.7    | 14.2   | 66.3   | 52.8   | 25.7   | 34.8   | 36.0   | 37.3   | 32.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P948372

CATALOG NUMBER: GLAN-SB3B-940-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1463.1 | 0°    | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 | 1463.1 |
| 1515.3 | 2.5°  | 1479.2 | 1447.0 | 1379.4 | 1317.0 | 1268.1 | 1221.1 | 1194.7 | 1172.2 | 1159.3 | 1156.7 |
| 1586.1 | 5°    | 1519.1 | 1452.8 | 1329.9 | 1226.2 | 1158.7 | 1108.4 | 1082.1 | 1065.3 | 1056.9 | 1051.8 |
| 1681.3 | 7.5°  | 1576.4 | 1479.2 | 1304.1 | 1186.3 | 1115.5 | 1079.5 | 1066.0 | 1063.4 | 1062.7 | 1063.4 |
| 1796.6 | 10°   | 1655.6 | 1522.3 | 1301.6 | 1176.7 | 1117.5 | 1097.5 | 1096.9 | 1097.5 | 1100.1 | 1100.7 |
| 1922.1 | 12.5° | 1741.2 | 1566.8 | 1311.9 | 1185.0 | 1141.9 | 1131.0 | 1129.0 | 1128.4 | 1130.3 | 1131.6 |
| 2048.9 | 15°   | 1834.5 | 1625.3 | 1329.2 | 1203.1 | 1168.9 | 1157.4 | 1155.4 | 1151.6 | 1150.9 | 1150.3 |
| 2182.1 | 17.5° | 1930.4 | 1683.3 | 1348.5 | 1222.4 | 1186.3 | 1170.2 | 1163.2 | 1154.1 | 1147.1 | 1145.1 |
| 2319.9 | 20°   | 2027.6 | 1740.6 | 1362.1 | 1232.0 | 1187.6 | 1165.1 | 1150.9 | 1135.5 | 1123.2 | 1116.2 |
| 2458.9 | 22.5° | 2131.3 | 1800.4 | 1370.4 | 1229.5 | 1176.0 | 1145.1 | 1119.4 | 1101.4 | 1082.7 | 1070.5 |
| 2599.2 | 25°   | 2232.3 | 1852.6 | 1369.8 | 1215.9 | 1153.5 | 1114.2 | 1081.4 | 1058.2 | 1032.5 | 1019.6 |
| 2744.1 | 27.5° | 2329.5 | 1899.5 | 1353.7 | 1192.1 | 1121.3 | 1077.5 | 1038.3 | 1010.6 | 985.5  | 973.3  |
| 2890.2 | 30°   | 2429.9 | 1938.8 | 1328.6 | 1157.4 | 1083.3 | 1035.1 | 991.9  | 968.1  | 945.6  | 934.0  |
| 3044.7 | 32.5° | 2529.7 | 1974.9 | 1293.2 | 1114.2 | 1039.6 | 993.2  | 950.7  | 928.9  | 915.3  | 915.3  |
| 3210.7 | 35°   | 2635.3 | 2000.0 | 1246.2 | 1064.0 | 993.2  | 948.8  | 915.3  | 902.5  | 901.2  | 893.4  |
| 3386.5 | 37.5° | 2746.6 | 2016.1 | 1188.9 | 1012.5 | 947.5  | 905.7  | 895.4  | 879.9  | 867.1  | 850.3  |
| 3579.6 | 40°   | 2863.8 | 2032.1 | 1120.0 | 959.1  | 899.2  | 876.1  | 871.6  | 851.0  | 814.3  | 773.1  |
| 3798.4 | 42.5° | 3006.1 | 2043.1 | 1048.6 | 905.7  | 848.4  | 840.7  | 847.1  | 811.7  | 753.1  | 722.2  |
| 4062.4 | 45°   | 3170.8 | 2061.1 | 982.9  | 852.9  | 796.3  | 796.3  | 823.3  | 776.9  | 728.7  | 709.4  |
| 4363.6 | 47.5° | 3384.5 | 2103.0 | 921.8  | 795.0  | 748.0  | 760.8  | 770.5  | 735.1  | 708.1  | 684.2  |
| 4730.5 | 50°   | 3693.5 | 2203.4 | 858.7  | 736.4  | 711.3  | 737.0  | 723.5  | 702.9  | 671.4  | 652.1  |
| 5313.7 | 52.5° | 4077.2 | 2262.6 | 802.7  | 683.6  | 679.7  | 705.5  | 686.2  | 666.9  | 643.1  | 617.3  |
| 5755.9 | 55°   | 4338.5 | 2273.5 | 755.7  | 645.0  | 658.5  | 655.9  | 648.8  | 631.5  | 618.6  | 584.5  |
| 6192.3 | 57.5° | 4630.7 | 2295.4 | 717.1  | 621.8  | 645.0  | 616.7  | 614.1  | 599.3  | 582.5  | 559.4  |
| 6724.7 | 60°   | 4980.3 | 2329.5 | 683.6  | 612.8  | 633.4  | 590.9  | 578.0  | 572.2  | 555.5  | 543.9  |
| 7365.2 | 62.5° | 5361.3 | 2360.4 | 649.5  | 614.1  | 619.9  | 565.8  | 546.5  | 544.6  | 534.3  | 530.4  |
| 7966.4 | 65°   | 5621.4 | 2276.1 | 607.0  | 612.8  | 598.6  | 540.1  | 515.6  | 515.0  | 506.6  | 505.3  |
| 8227.1 | 67.5° | 5530.6 | 2009.0 | 549.7  | 594.8  | 576.8  | 514.3  | 487.3  | 484.7  | 473.8  | 474.4  |
| 7954.8 | 70°   | 5076.2 | 1627.9 | 470.5  | 550.4  | 549.7  | 491.1  | 457.7  | 449.3  | 434.5  | 437.1  |
| 6916.5 | 72.5° | 4223.9 | 1206.3 | 364.3  | 476.3  | 506.6  | 469.9  | 423.6  | 410.0  | 391.4  | 393.9  |
| 5105.8 | 75°   | 3050.5 | 820.1  | 265.2  | 362.4  | 440.9  | 444.8  | 390.1  | 366.9  | 344.4  | 348.2  |
| 2841.9 | 77.5° | 1561.0 | 464.7  | 195.0  | 249.8  | 346.3  | 404.2  | 359.8  | 328.9  | 323.8  | 359.8  |
| 819.4  | 80°   | 509.2  | 233.0  | 135.2  | 175.1  | 227.2  | 330.9  | 315.4  | 280.0  | 278.7  | 287.1  |
| 171.9  | 82.5° | 151.9  | 98.5   | 86.9   | 115.2  | 125.5  | 253.6  | 272.3  | 211.8  | 182.2  | 191.8  |
| 57.3   | 85°   | 52.1   | 47.6   | 49.6   | 57.3   | 59.9   | 148.7  | 190.5  | 140.3  | 132.6  | 146.1  |
| 12.9   | 87.5° | 12.2   | 16.7   | 14.2   | 12.9   | 12.9   | 36.0   | 74.0   | 58.6   | 81.1   | 54.1   |
| 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°   |
|--------|
| 1463.1 |
| 1156.7 |
| 1051.2 |
| 1065.3 |
| 1101.4 |
| 1132.3 |
| 1149.6 |
| 1147.1 |
| 1118.7 |
| 1071.1 |
| 1019.6 |
| 972.6  |
| 933.4  |
| 916.0  |
| 891.5  |
| 847.7  |
| 767.3  |
| 722.9  |
| 712.6  |
| 683.6  |
| 650.1  |
| 612.2  |
| 585.1  |
| 551.6  |
| 547.1  |
| 530.4  |
| 504.7  |
| 474.4  |
| 439.6  |
| 393.3  |
| 349.5  |
| 354.7  |
| 246.5  |
| 198.3  |
| 144.2  |
| 52.1   |
| 0.0    |