

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: P945727

Luminaire Tested: **GLAN-SB1C-830-U-T2U-HSS**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P945727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-830-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5145 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4  
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

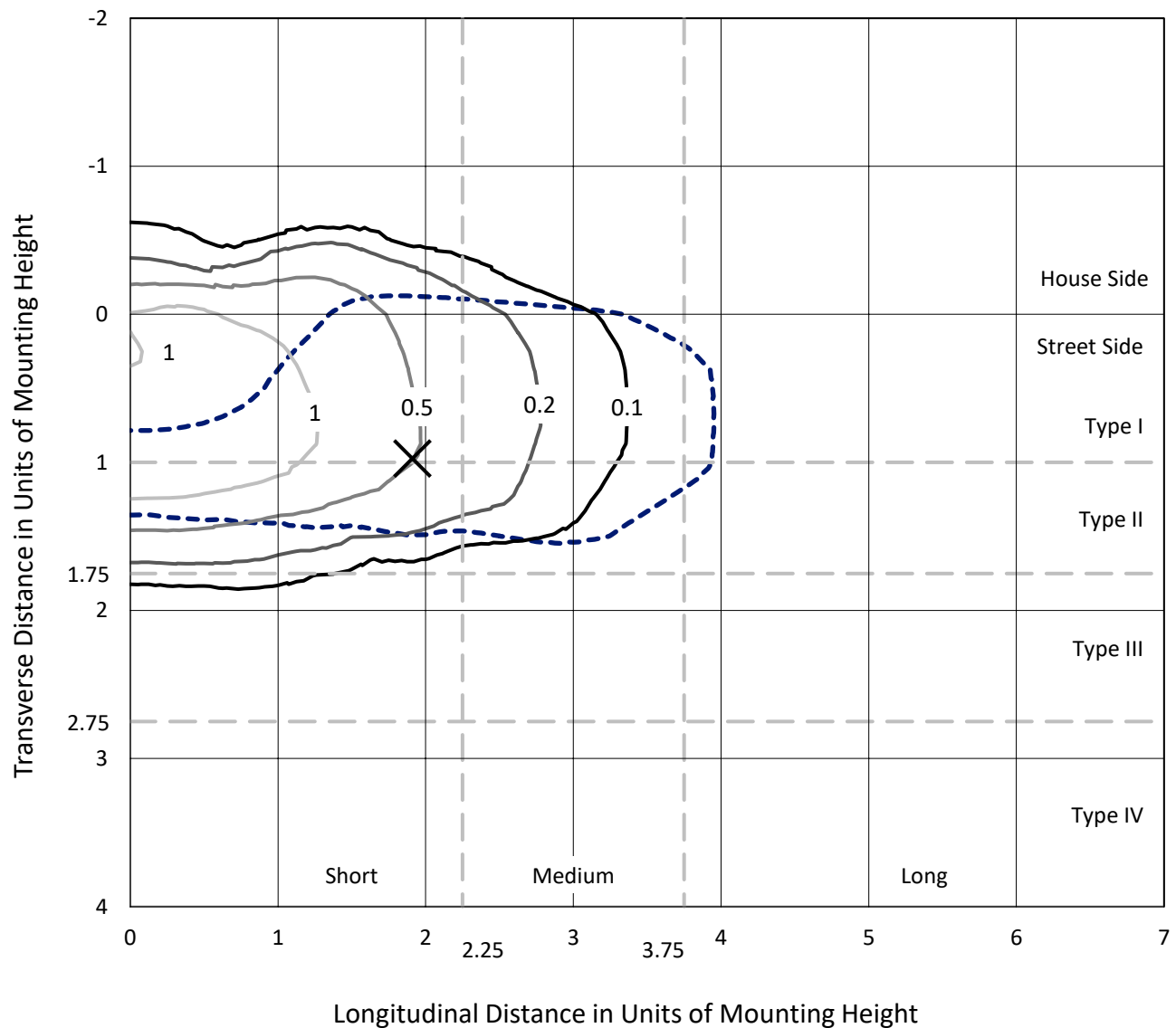


REPORT NUMBER: P945727

CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

## Iso-Footcandle Lines of Horizontal Illumination

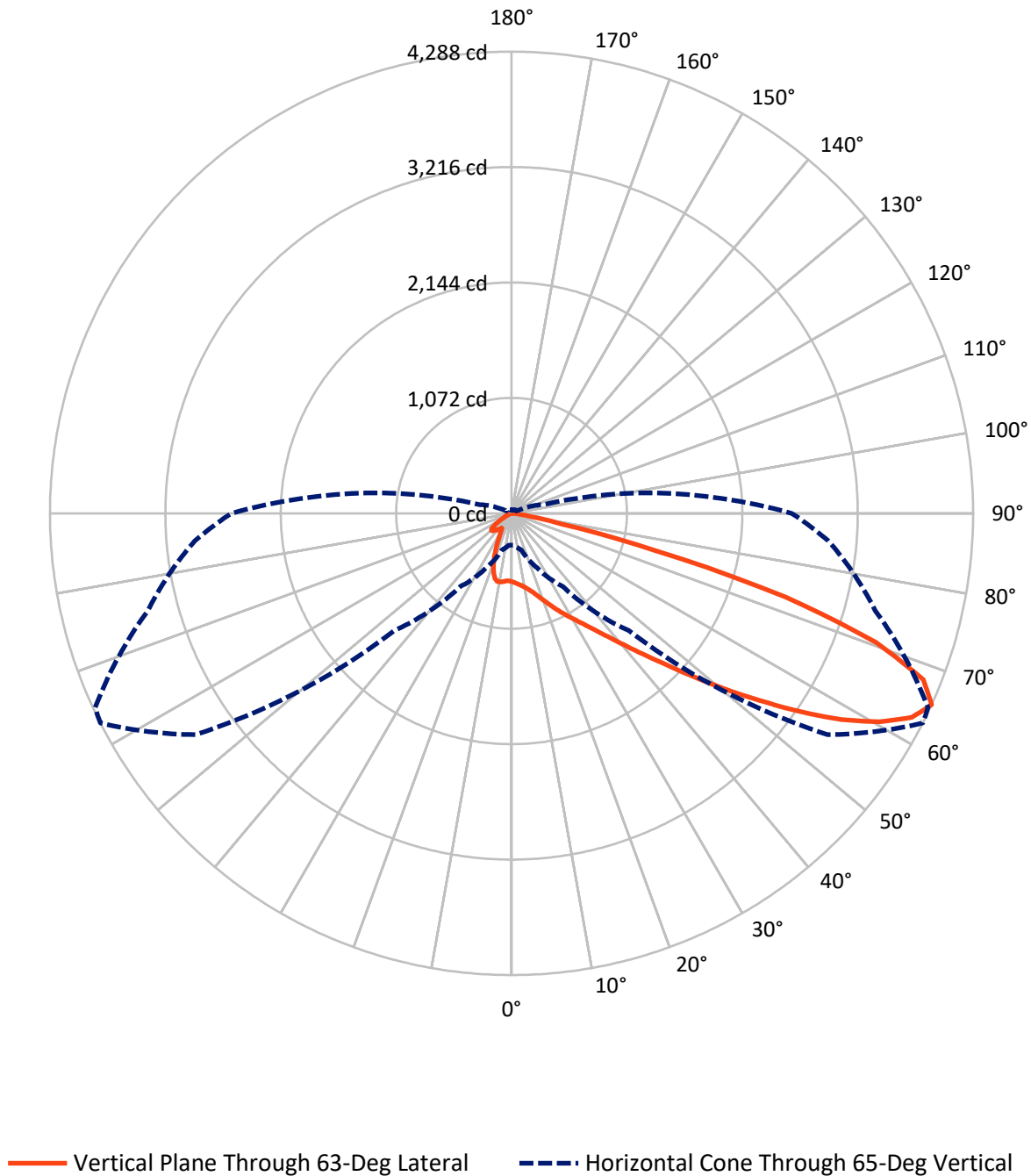
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
Type II - Short - N/A

REPORT NUMBER: P945727  
CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P945727

CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 756.3    | 0.0    | 756.3  |
|                    | % Fixture | 14.7     | 0.0    | 14.7   |
| <b>Street Side</b> | Lumens    | 4388.7   | 0.0    | 4388.7 |
|                    | % Fixture | 85.3     | 0.0    | 85.3   |
| <b>Total</b>       | Lumens    | 5145.0   | 0.0    | 5145.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.8   | 1.2       |
| 10°-20°   | 166.0  | 3.2       |
| 20°-30°   | 289.1  | 5.6       |
| 30°-40°   | 521.0  | 10.1      |
| 40°-50°   | 1033.3 | 20.1      |
| 50°-60°   | 1407.5 | 27.4      |
| 60°-70°   | 1123.4 | 21.8      |
| 70°-80°   | 508.4  | 9.9       |
| 80°-90°   | 36.5   | 0.7       |
| 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°    | 5145.0 | 100.0     |
| 0°-180°   | 5145.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945727

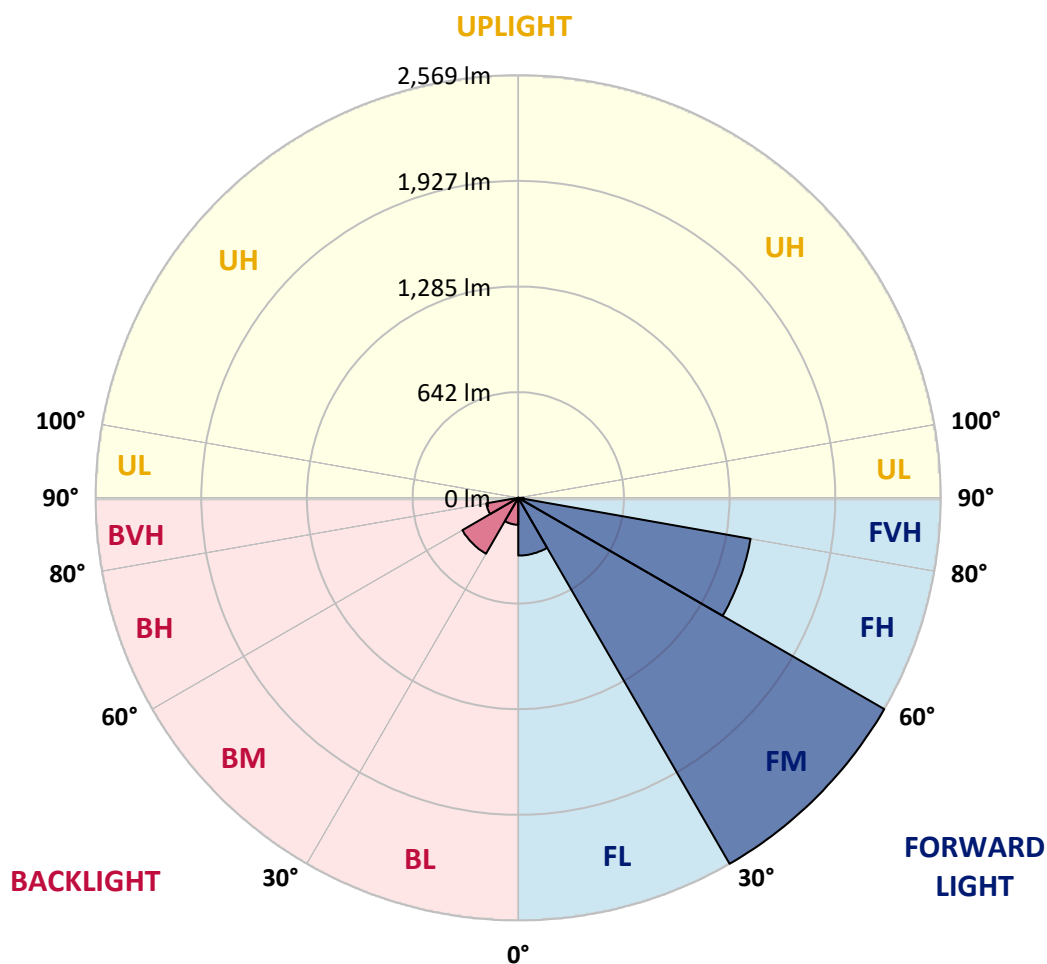
CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 351.2  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 2569.3 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 1434.4 | 27.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 33.8   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 163.7  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 392.5  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 197.4  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.7    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short



REPORT NUMBER: P945727

CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  | 635.0  |
| 2.5°  | 649.9  | 648.1  | 650.6  | 649.5  | 648.8  | 647.4  | 646.7  | 646.0  | 644.5  | 643.5  |
| 5°    | 651.6  | 650.6  | 653.0  | 655.2  | 657.3  | 659.4  | 660.5  | 661.9  | 660.5  | 657.6  |
| 7.5°  | 636.8  | 636.1  | 641.4  | 647.7  | 657.3  | 665.4  | 674.3  | 679.2  | 679.6  | 678.5  |
| 10°   | 635.7  | 633.9  | 639.2  | 647.0  | 659.4  | 673.9  | 689.5  | 700.1  | 701.5  | 706.1  |
| 12.5° | 652.3  | 650.6  | 658.0  | 666.5  | 679.2  | 694.5  | 713.6  | 728.4  | 730.6  | 736.9  |
| 15°   | 680.3  | 677.8  | 686.3  | 697.3  | 713.6  | 730.9  | 751.1  | 764.5  | 766.3  | 774.1  |
| 17.5° | 712.9  | 710.4  | 720.3  | 732.0  | 749.7  | 773.4  | 796.7  | 811.6  | 813.7  | 818.7  |
| 20°   | 754.6  | 751.4  | 759.2  | 769.8  | 788.6  | 816.9  | 844.9  | 866.1  | 865.8  | 865.8  |
| 22.5° | 803.1  | 798.2  | 804.9  | 813.4  | 831.1  | 865.4  | 902.6  | 927.7  | 927.7  | 917.8  |
| 25°   | 855.1  | 850.2  | 857.6  | 865.4  | 881.0  | 919.9  | 963.5  | 994.6  | 996.0  | 979.0  |
| 27.5° | 920.3  | 913.9  | 919.6  | 928.8  | 938.0  | 977.6  | 1029.3 | 1065.4 | 1066.1 | 1039.9 |
| 30°   | 1045.6 | 1027.5 | 1009.8 | 999.9  | 1004.2 | 1043.5 | 1098.7 | 1138.7 | 1142.2 | 1106.1 |
| 32.5° | 1274.9 | 1271.4 | 1209.1 | 1127.7 | 1085.2 | 1114.2 | 1176.2 | 1224.3 | 1226.4 | 1180.1 |
| 35°   | 1631.4 | 1627.1 | 1526.9 | 1371.9 | 1233.5 | 1209.1 | 1270.3 | 1327.3 | 1325.9 | 1273.5 |
| 37.5° | 2056.8 | 2052.9 | 1920.9 | 1713.5 | 1489.4 | 1352.5 | 1391.7 | 1451.6 | 1460.4 | 1391.7 |
| 40°   | 2420.3 | 2405.8 | 2322.3 | 2122.3 | 1829.2 | 1590.3 | 1564.5 | 1604.1 | 1613.3 | 1531.9 |
| 42.5° | 2695.7 | 2683.3 | 2640.8 | 2515.9 | 2240.5 | 1942.1 | 1768.0 | 1783.2 | 1793.5 | 1695.8 |
| 45°   | 2838.3 | 2835.5 | 2852.5 | 2840.8 | 2659.6 | 2374.0 | 2058.9 | 1995.6 | 1999.5 | 1877.4 |
| 47.5° | 2858.5 | 2857.1 | 2934.6 | 3044.3 | 3019.9 | 2861.0 | 2432.4 | 2260.3 | 2246.5 | 2082.3 |
| 50°   | 2739.6 | 2736.8 | 2885.4 | 3091.1 | 3260.6 | 3270.2 | 2856.4 | 2558.7 | 2528.3 | 2294.3 |
| 52.5° | 2359.8 | 2359.1 | 2603.3 | 2945.6 | 3345.2 | 3628.4 | 3275.5 | 2886.5 | 2835.5 | 2518.7 |
| 55°   | 1815.8 | 1828.9 | 2108.8 | 2513.4 | 3190.9 | 3800.7 | 3651.7 | 3250.3 | 3172.1 | 2744.5 |
| 57.5° | 1286.3 | 1305.4 | 1582.2 | 1942.5 | 2712.3 | 3698.8 | 3906.2 | 3614.9 | 3530.7 | 2969.7 |
| 60°   | 690.9  | 707.9  | 985.0  | 1415.1 | 2017.9 | 3318.7 | 4040.4 | 3931.3 | 3851.7 | 3183.4 |
| 62.5° | 411.6  | 417.3  | 532.0  | 913.6  | 1364.8 | 2535.4 | 3983.4 | 4172.4 | 4106.9 | 3362.9 |
| 65°   | 295.6  | 296.6  | 354.3  | 557.8  | 828.6  | 1540.4 | 3583.8 | 4287.8 | 4267.6 | 3498.1 |
| 67.5° | 248.8  | 248.1  | 272.2  | 370.6  | 564.6  | 771.6  | 2746.7 | 4124.6 | 4210.3 | 3583.8 |
| 70°   | 213.4  | 214.5  | 242.8  | 271.5  | 424.4  | 436.8  | 1365.5 | 3591.2 | 3773.8 | 3606.4 |
| 72.5° | 158.9  | 162.5  | 188.7  | 247.4  | 320.3  | 300.5  | 471.5  | 2662.8 | 2993.0 | 3397.9 |
| 75°   | 112.2  | 114.0  | 132.7  | 208.1  | 238.9  | 218.7  | 240.7  | 1376.5 | 1799.8 | 2605.1 |
| 77.5° | 86.4   | 89.5   | 100.5  | 145.5  | 235.4  | 153.6  | 147.2  | 476.4  | 732.0  | 1573.7 |
| 80°   | 46.7   | 52.4   | 72.6   | 105.1  | 165.3  | 108.7  | 72.9   | 189.7  | 248.1  | 735.9  |
| 82.5° | 24.1   | 26.9   | 50.6   | 75.7   | 94.2   | 94.9   | 36.1   | 78.9   | 102.3  | 227.2  |
| 85°   | 9.6    | 11.7   | 34.0   | 41.8   | 48.5   | 46.7   | 16.3   | 31.9   | 36.8   | 63.0   |
| 87.5° | 2.1    | 3.5    | 12.4   | 9.6    | 9.2    | 9.9    | 3.9    | 7.4    | 7.1    | 7.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P945727

CATALOG NUMBER: GLAN-SB1C-830-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 635.0  | 0°    | 635.0  | 635.0  | 635.0  | 635.0 | 635.0 | 635.0 | 635.0 | 635.0 | 635.0 | 635.0 |
| 639.2  | 2.5°  | 638.9  | 637.5  | 633.6  | 629.3 | 624.4 | 621.5 | 619.8 | 619.4 | 616.9 | 615.2 |
| 653.4  | 5°    | 649.5  | 648.1  | 640.7  | 631.8 | 622.2 | 614.8 | 607.7 | 601.4 | 592.2 | 590.4 |
| 673.9  | 7.5°  | 670.7  | 666.8  | 654.8  | 642.8 | 624.7 | 603.1 | 576.9 | 546.9 | 520.0 | 511.8 |
| 701.2  | 10°   | 696.9  | 691.6  | 676.4  | 655.2 | 615.2 | 556.4 | 493.1 | 434.3 | 387.6 | 374.5 |
| 733.4  | 12.5° | 726.7  | 722.1  | 701.9  | 662.6 | 575.2 | 468.6 | 371.6 | 298.7 | 253.4 | 242.1 |
| 767.7  | 15°   | 762.1  | 755.3  | 727.4  | 651.3 | 503.7 | 356.1 | 255.2 | 212.0 | 195.7 | 193.6 |
| 807.0  | 17.5° | 799.6  | 788.6  | 750.0  | 610.6 | 407.4 | 253.1 | 197.2 | 184.8 | 177.7 | 175.6 |
| 846.7  | 20°   | 833.9  | 819.8  | 763.5  | 549.0 | 304.4 | 197.2 | 176.6 | 168.5 | 162.1 | 159.6 |
| 886.3  | 22.5° | 868.2  | 848.1  | 763.5  | 465.1 | 228.3 | 174.9 | 162.1 | 154.7 | 147.2 | 144.1 |
| 928.8  | 25°   | 904.0  | 877.1  | 750.0  | 371.6 | 183.7 | 160.3 | 148.3 | 140.2 | 133.8 | 129.9 |
| 969.1  | 27.5° | 938.7  | 901.5  | 719.2  | 283.2 | 163.5 | 147.6 | 135.6 | 127.8 | 121.8 | 118.9 |
| 1013.0 | 30°   | 971.6  | 925.6  | 676.0  | 214.8 | 150.4 | 135.2 | 123.9 | 117.2 | 111.1 | 108.3 |
| 1070.0 | 32.5° | 1016.2 | 956.0  | 630.0  | 176.3 | 139.1 | 123.5 | 113.3 | 106.9 | 101.6 | 99.5  |
| 1144.0 | 35°   | 1078.1 | 1001.0 | 590.4  | 173.1 | 129.5 | 114.0 | 103.7 | 97.7  | 92.4  | 90.6  |
| 1239.5 | 37.5° | 1165.9 | 1073.5 | 569.5  | 194.3 | 121.8 | 105.5 | 95.9  | 89.5  | 84.6  | 83.2  |
| 1360.9 | 40°   | 1274.2 | 1171.9 | 580.8  | 215.6 | 116.5 | 98.0  | 88.8  | 82.5  | 78.2  | 76.5  |
| 1500.4 | 42.5° | 1402.7 | 1293.3 | 643.5  | 231.8 | 112.9 | 91.7  | 82.1  | 75.0  | 72.2  | 71.5  |
| 1658.6 | 45°   | 1550.3 | 1426.8 | 739.4  | 249.2 | 107.2 | 85.7  | 75.4  | 70.1  | 68.0  | 67.6  |
| 1830.6 | 47.5° | 1718.1 | 1573.3 | 850.5  | 270.8 | 101.6 | 80.0  | 70.1  | 66.5  | 64.8  | 64.1  |
| 2010.1 | 50°   | 1884.4 | 1720.9 | 964.9  | 282.8 | 97.0  | 74.7  | 65.8  | 63.0  | 61.6  | 61.2  |
| 2199.8 | 52.5° | 2058.6 | 1872.8 | 1057.3 | 271.5 | 93.1  | 70.4  | 62.3  | 60.2  | 58.8  | 58.4  |
| 2374.7 | 55°   | 2224.6 | 1995.6 | 1073.2 | 230.4 | 85.3  | 66.2  | 58.4  | 57.3  | 55.6  | 55.6  |
| 2552.0 | 57.5° | 2367.6 | 2057.2 | 960.6  | 169.2 | 77.5  | 59.8  | 54.5  | 53.4  | 52.0  | 51.7  |
| 2712.0 | 60°   | 2498.9 | 2039.5 | 741.5  | 114.0 | 69.0  | 53.4  | 49.6  | 48.8  | 47.4  | 45.7  |
| 2851.1 | 62.5° | 2572.9 | 1961.6 | 507.2  | 74.3  | 60.5  | 46.7  | 43.9  | 43.5  | 40.4  | 36.8  |
| 2954.1 | 65°   | 2600.8 | 1801.6 | 316.4  | 54.2  | 50.6  | 40.0  | 37.9  | 37.2  | 32.6  | 28.7  |
| 3012.5 | 67.5° | 2576.4 | 1538.3 | 159.6  | 42.8  | 40.0  | 33.3  | 31.1  | 31.1  | 28.0  | 24.4  |
| 3008.9 | 70°   | 2478.7 | 1153.2 | 67.3   | 34.3  | 30.8  | 25.5  | 25.5  | 26.9  | 23.7  | 19.8  |
| 2852.9 | 72.5° | 2266.7 | 775.9  | 35.7   | 26.2  | 23.0  | 18.1  | 20.9  | 21.9  | 18.8  | 14.9  |
| 2335.0 | 75°   | 1802.0 | 473.2  | 24.8   | 19.5  | 14.5  | 12.7  | 15.9  | 16.6  | 12.7  | 9.9   |
| 1600.9 | 77.5° | 1232.5 | 271.8  | 16.6   | 12.4  | 9.2   | 7.4   | 11.0  | 10.3  | 6.7   | 4.6   |
| 617.3  | 80°   | 541.2  | 113.3  | 9.6    | 5.7   | 3.5   | 2.8   | 3.9   | 2.8   | 2.1   | 1.4   |
| 84.6   | 82.5° | 63.4   | 26.5   | 3.5    | 2.1   | 1.4   | 0.7   | 0.4   | 0.0   | 0.0   | 0.0   |
| 25.8   | 85°   | 13.1   | 3.2    | 1.8    | 0.7   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4.6    | 87.5° | 2.5    | 0.7    | 0.4    | 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°  |
|-------|
| 635.0 |
| 616.9 |
| 589.7 |
| 507.9 |
| 369.5 |
| 238.9 |
| 191.5 |
| 174.5 |
| 158.2 |
| 142.3 |
| 128.5 |
| 118.9 |
| 108.7 |
| 99.5  |
| 90.6  |
| 82.8  |
| 76.1  |
| 71.5  |
| 67.3  |
| 64.1  |
| 61.2  |
| 58.4  |
| 55.2  |
| 51.3  |
| 45.3  |
| 36.1  |
| 28.3  |
| 24.1  |
| 19.5  |
| 14.9  |
| 9.6   |
| 5.0   |
| 1.4   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |