

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: P939708

Luminaire Tested: **GLAN-SB2B-935-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-935-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5931 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - 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



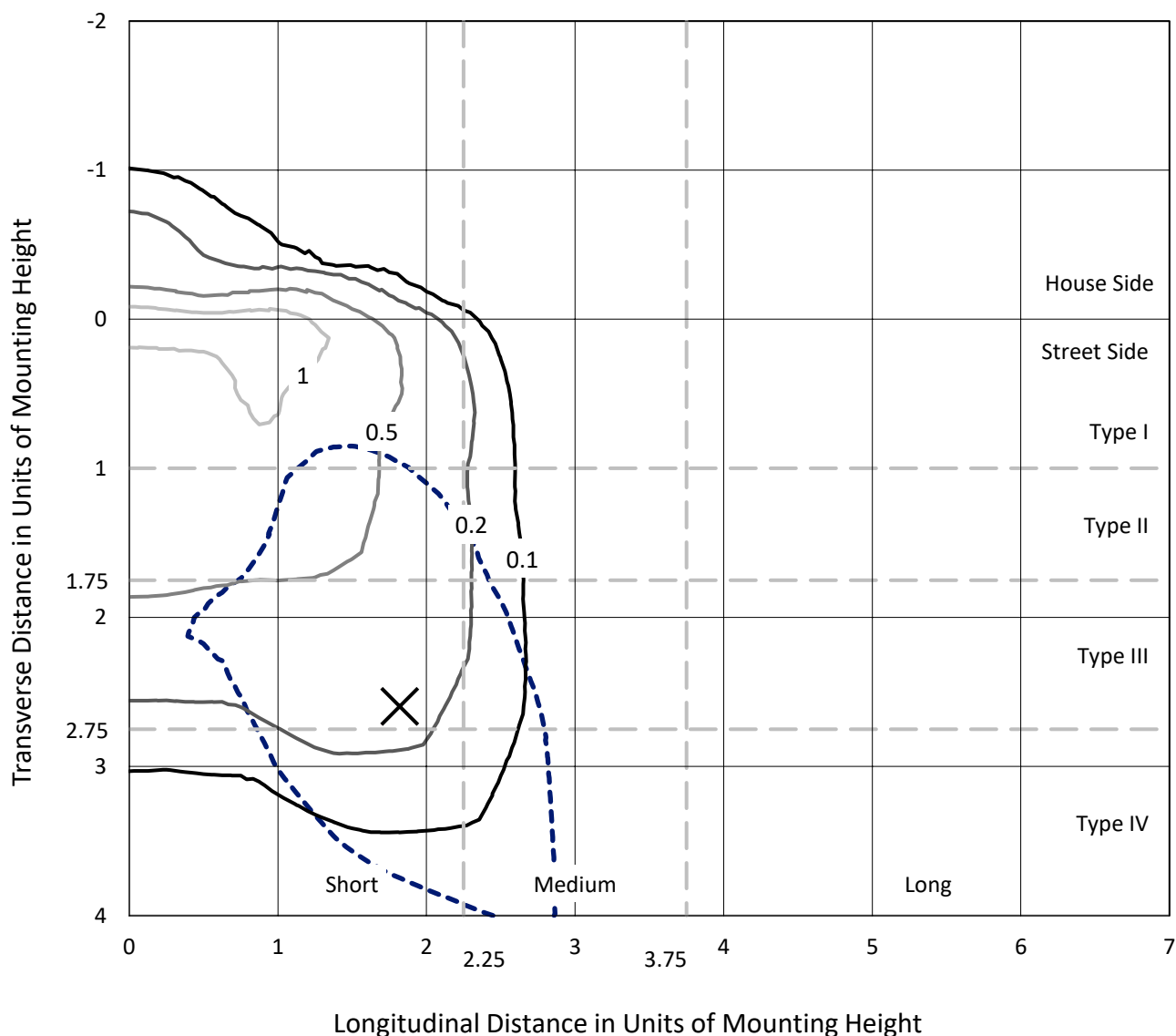
REPORT NUMBER: P939708

CATALOG NUMBER: GLAN-SB2B-935-U-T4FT-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

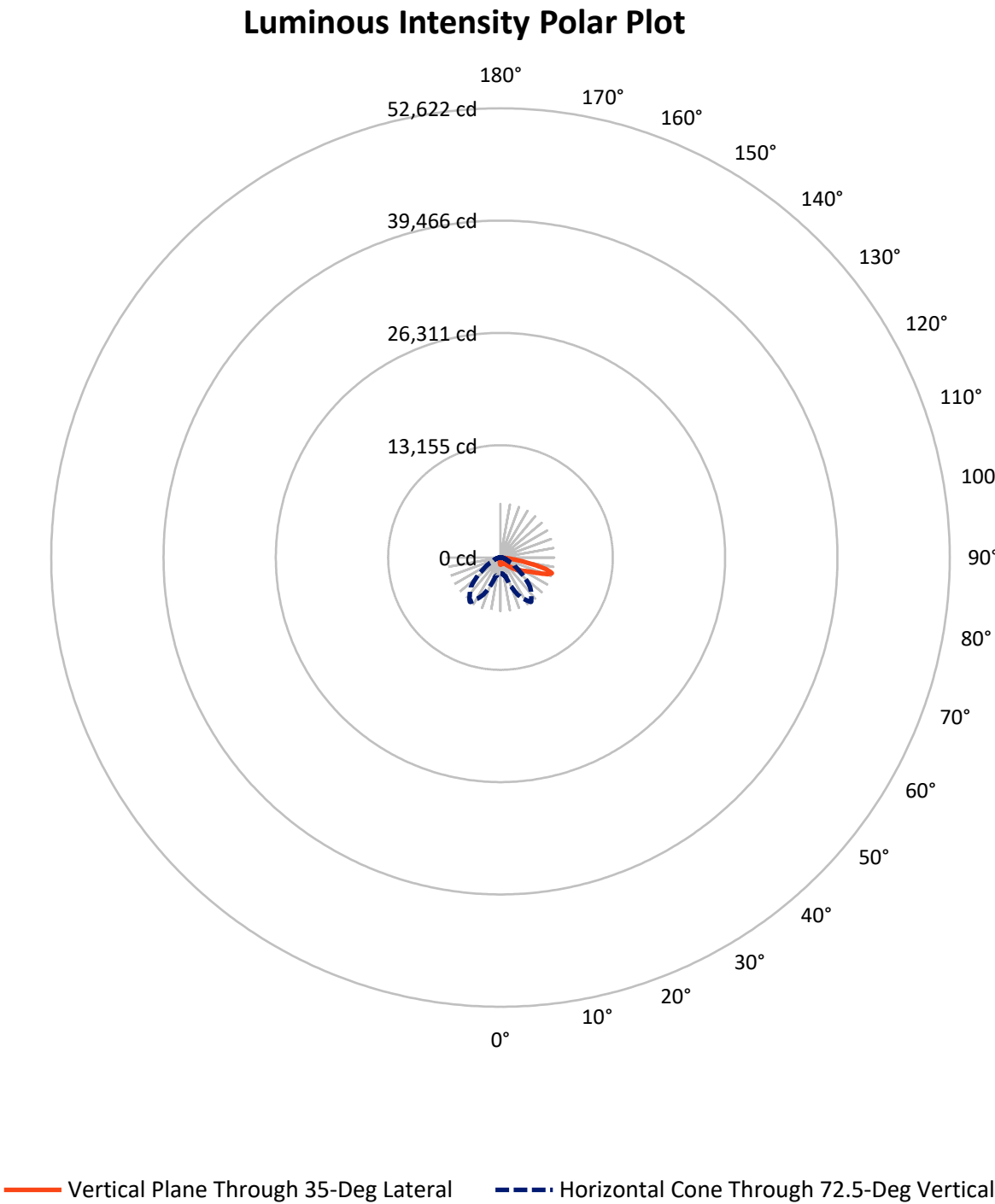
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

REPORT NUMBER: P939708  
CATALOG NUMBER: GLAN-SB2B-935-U-T4FT-HSS



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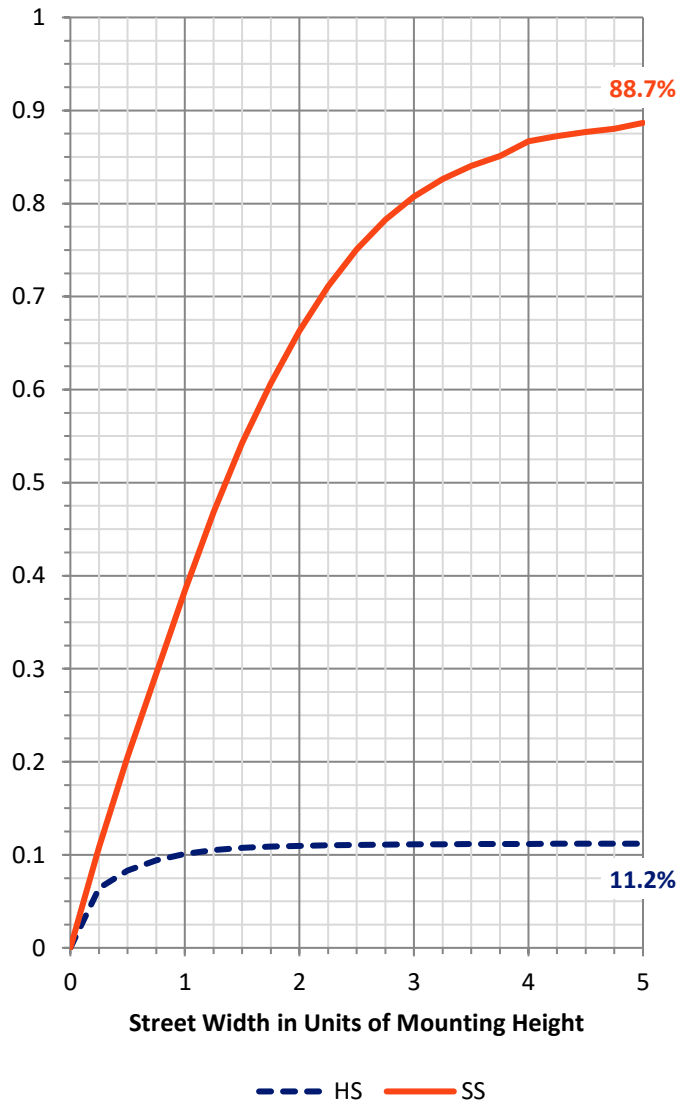
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 667.5    | 0.0    | 667.5  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 5263.5   | 0.0    | 5263.5 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 5931.0   | 0.0    | 5931.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.6   | 1.2       |
| 10°-20°   | 165.2  | 2.8       |
| 20°-30°   | 268.4  | 4.5       |
| 30°-40°   | 447.9  | 7.6       |
| 40°-50°   | 847.4  | 14.3      |
| 50°-60°   | 1346.5 | 22.7      |
| 60°-70°   | 1665.7 | 28.1      |
| 70°-80°   | 1035.4 | 17.5      |
| 80°-90°   | 83.7   | 1.4       |
| 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°    | 5931.0 | 100.0     |
| 0°-180°   | 5931.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939708

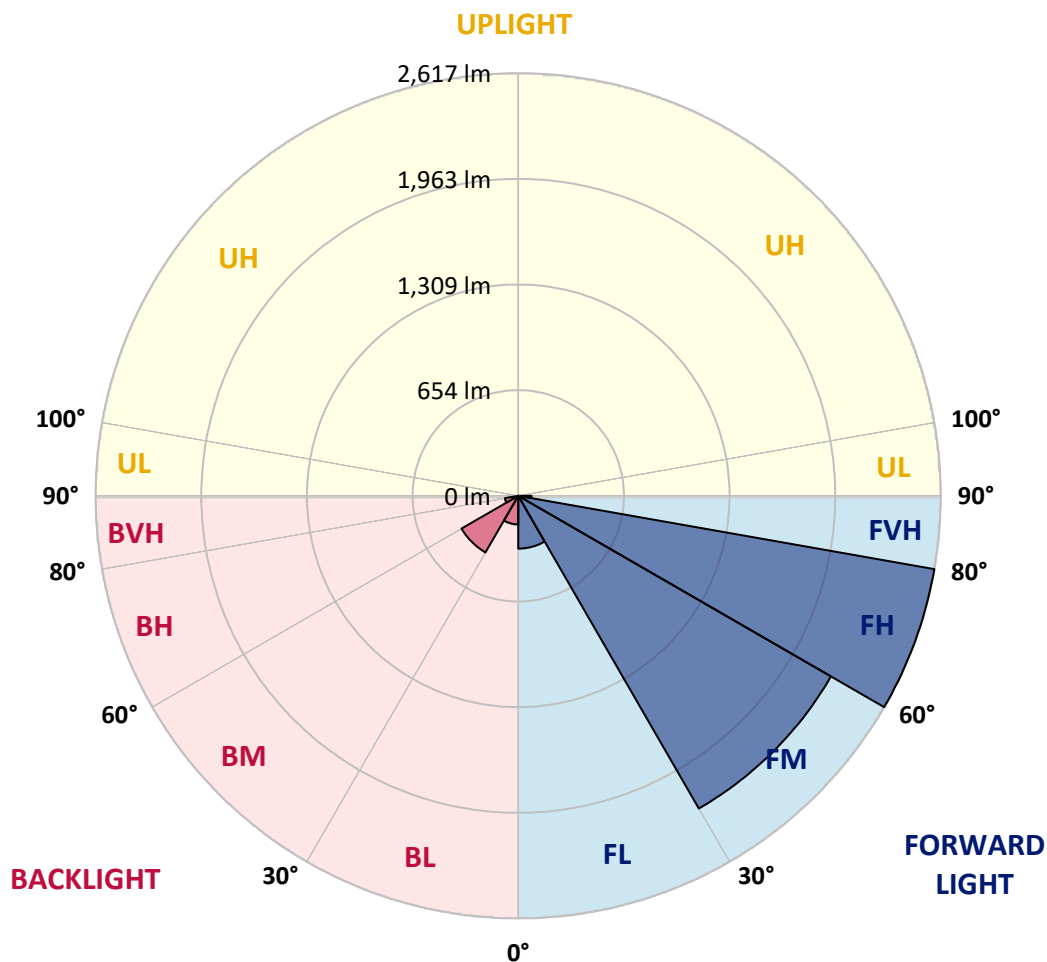
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 326.9  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 2236.6 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 2617.4 | 44.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.5   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 177.4  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 405.2  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 83.8   | 1.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.1    | 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 IV Short



REPORT NUMBER: P939708

CATALOG NUMBER: GLAN-SB2B-935-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  | 859.6  |
| 2.5°  | 821.4  | 828.3  | 829.6  | 831.8  | 831.8  | 834.4  | 838.7  | 844.8  | 854.8  | 860.0  |
| 5°    | 757.0  | 762.3  | 768.8  | 774.0  | 784.0  | 785.3  | 802.2  | 818.8  | 841.8  | 859.2  |
| 7.5°  | 692.3  | 698.4  | 707.1  | 719.7  | 732.7  | 736.6  | 762.3  | 790.1  | 826.6  | 859.2  |
| 10°   | 646.7  | 647.1  | 654.9  | 667.5  | 688.4  | 693.2  | 724.4  | 764.0  | 809.6  | 854.0  |
| 12.5° | 621.0  | 624.1  | 627.5  | 637.1  | 657.1  | 660.1  | 693.6  | 740.1  | 792.7  | 850.9  |
| 15°   | 621.0  | 623.2  | 625.4  | 630.1  | 646.2  | 648.8  | 678.4  | 724.9  | 784.0  | 852.2  |
| 17.5° | 627.5  | 631.0  | 629.3  | 634.9  | 651.9  | 653.6  | 679.7  | 720.5  | 783.5  | 860.5  |
| 20°   | 643.2  | 645.8  | 642.3  | 645.8  | 662.7  | 666.2  | 693.2  | 728.8  | 790.9  | 874.8  |
| 22.5° | 668.0  | 669.3  | 661.0  | 663.6  | 681.0  | 685.3  | 716.6  | 752.3  | 808.8  | 897.8  |
| 25°   | 699.2  | 701.8  | 689.2  | 692.3  | 708.8  | 714.0  | 750.1  | 787.5  | 837.0  | 929.6  |
| 27.5° | 735.3  | 736.6  | 725.7  | 725.3  | 746.6  | 754.0  | 790.5  | 830.9  | 874.8  | 969.5  |
| 30°   | 776.6  | 780.5  | 770.1  | 768.3  | 795.3  | 801.4  | 837.4  | 884.4  | 930.4  | 1029.5 |
| 32.5° | 809.2  | 812.2  | 806.1  | 810.5  | 837.9  | 842.7  | 894.4  | 960.0  | 1017.8 | 1114.7 |
| 35°   | 856.1  | 857.9  | 844.0  | 851.8  | 883.1  | 895.2  | 972.2  | 1066.0 | 1127.7 | 1221.6 |
| 37.5° | 1026.0 | 1026.0 | 966.9  | 928.3  | 958.3  | 969.1  | 1078.6 | 1199.4 | 1263.3 | 1365.0 |
| 40°   | 1261.2 | 1257.2 | 1170.8 | 1091.7 | 1087.8 | 1109.1 | 1230.3 | 1367.6 | 1438.5 | 1537.1 |
| 42.5° | 1511.9 | 1505.8 | 1388.1 | 1309.8 | 1296.8 | 1304.2 | 1405.4 | 1574.9 | 1647.1 | 1747.0 |
| 45°   | 1734.4 | 1732.7 | 1624.9 | 1519.7 | 1496.3 | 1519.7 | 1624.0 | 1817.4 | 1869.1 | 1974.3 |
| 47.5° | 1920.8 | 1920.8 | 1842.2 | 1773.5 | 1761.4 | 1775.3 | 1920.0 | 2086.4 | 2081.6 | 2216.4 |
| 50°   | 2135.5 | 2133.8 | 2059.0 | 2029.5 | 2042.1 | 2061.7 | 2260.7 | 2369.8 | 2301.5 | 2454.1 |
| 52.5° | 2285.9 | 2296.3 | 2270.7 | 2265.9 | 2330.2 | 2364.1 | 2606.6 | 2647.0 | 2498.4 | 2679.6 |
| 55°   | 2405.0 | 2417.1 | 2446.7 | 2480.2 | 2604.0 | 2648.3 | 2941.7 | 2910.0 | 2663.1 | 2875.2 |
| 57.5° | 2573.6 | 2556.2 | 2601.8 | 2667.9 | 2868.2 | 2921.7 | 3266.3 | 3158.1 | 2795.7 | 3033.8 |
| 60°   | 2778.3 | 2780.9 | 2788.7 | 2872.1 | 3132.0 | 3200.7 | 3586.2 | 3392.8 | 2880.8 | 3131.2 |
| 62.5° | 3024.2 | 3028.2 | 3044.2 | 3172.4 | 3486.2 | 3551.0 | 3926.9 | 3584.9 | 2919.9 | 3103.8 |
| 65°   | 3007.3 | 3023.8 | 3203.3 | 3641.8 | 4024.7 | 4088.5 | 4324.5 | 3719.6 | 2860.8 | 2853.5 |
| 67.5° | 2739.6 | 2766.5 | 3066.8 | 4202.4 | 4836.4 | 4907.7 | 4805.2 | 3746.1 | 2605.7 | 2219.0 |
| 70°   | 2388.5 | 2398.0 | 2759.2 | 4706.5 | 5776.4 | 5848.6 | 5235.4 | 3454.5 | 1977.3 | 1237.7 |
| 72.5° | 1865.2 | 1867.4 | 2291.1 | 4823.4 | 6286.6 | 6290.6 | 4897.7 | 2564.5 | 1063.4 | 475.4  |
| 75°   | 1332.4 | 1319.4 | 1534.5 | 3911.7 | 5530.9 | 5575.2 | 3671.8 | 1202.9 | 406.3  | 224.7  |
| 77.5° | 714.5  | 728.8  | 868.3  | 2319.8 | 3820.8 | 3896.5 | 2003.4 | 346.8  | 206.9  | 153.0  |
| 80°   | 220.8  | 232.9  | 355.9  | 1062.1 | 2164.2 | 2209.8 | 742.7  | 154.3  | 144.3  | 109.1  |
| 82.5° | 69.5   | 72.1   | 166.0  | 446.3  | 898.3  | 919.1  | 215.1  | 87.4   | 98.6   | 72.1   |
| 85°   | 20.0   | 20.4   | 73.9   | 166.4  | 222.1  | 226.4  | 60.4   | 33.9   | 56.5   | 44.8   |
| 87.5° | 2.2    | 7.0    | 27.8   | 27.8   | 19.6   | 19.1   | 6.5    | 7.4    | 16.1   | 5.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939708

CATALOG NUMBER: GLAN-SB2B-935-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 859.6  | 0°    | 859.6  | 859.6  | 859.6 | 859.6 | 859.6 | 859.6 | 859.6 | 859.6 | 859.6 | 859.6 |
| 863.5  | 2.5°  | 861.3  | 861.8  | 856.1 | 846.6 | 836.1 | 827.4 | 816.6 | 807.9 | 801.8 | 800.1 |
| 871.3  | 5°    | 867.4  | 864.4  | 848.3 | 819.2 | 784.4 | 754.4 | 721.0 | 694.5 | 677.1 | 669.7 |
| 879.6  | 7.5°  | 876.5  | 867.9  | 832.7 | 775.3 | 708.8 | 649.7 | 589.7 | 543.2 | 513.7 | 498.9 |
| 887.4  | 10°   | 884.4  | 867.0  | 806.6 | 711.8 | 610.2 | 520.6 | 439.8 | 383.7 | 352.4 | 337.7 |
| 896.5  | 12.5° | 891.8  | 866.6  | 772.7 | 636.7 | 498.9 | 389.4 | 314.2 | 286.4 | 277.7 | 274.7 |
| 911.3  | 15°   | 905.7  | 867.9  | 730.1 | 550.6 | 388.1 | 294.2 | 266.8 | 266.4 | 268.1 | 267.3 |
| 933.9  | 17.5° | 924.8  | 869.2  | 681.9 | 459.4 | 299.4 | 259.4 | 258.1 | 262.1 | 264.7 | 263.4 |
| 962.2  | 20°   | 949.6  | 874.4  | 630.6 | 369.0 | 257.3 | 250.8 | 253.8 | 257.3 | 259.4 | 257.3 |
| 1000.0 | 22.5° | 984.3  | 883.5  | 574.5 | 296.4 | 243.8 | 245.5 | 248.1 | 252.1 | 254.2 | 251.2 |
| 1048.2 | 25°   | 1026.9 | 897.8  | 519.3 | 257.7 | 237.3 | 239.5 | 243.4 | 247.7 | 250.3 | 247.3 |
| 1109.1 | 27.5° | 1082.1 | 920.9  | 468.5 | 249.0 | 230.8 | 232.1 | 237.7 | 244.2 | 247.7 | 243.8 |
| 1195.5 | 30°   | 1162.1 | 958.7  | 424.6 | 252.9 | 226.9 | 223.8 | 231.6 | 240.8 | 244.7 | 241.2 |
| 1313.3 | 32.5° | 1268.1 | 1012.1 | 397.6 | 259.0 | 225.1 | 214.2 | 221.6 | 233.4 | 239.9 | 237.7 |
| 1467.1 | 35°   | 1407.2 | 1093.4 | 387.2 | 266.0 | 223.8 | 204.3 | 209.5 | 222.1 | 233.4 | 235.5 |
| 1661.0 | 37.5° | 1575.8 | 1206.4 | 390.3 | 269.0 | 219.9 | 196.0 | 198.6 | 209.5 | 224.2 | 231.2 |
| 1879.1 | 40°   | 1767.4 | 1338.1 | 407.6 | 266.0 | 215.6 | 189.0 | 189.5 | 197.7 | 210.8 | 221.2 |
| 2113.8 | 42.5° | 1965.2 | 1491.9 | 439.8 | 254.7 | 211.6 | 183.0 | 181.7 | 187.3 | 196.0 | 203.4 |
| 2348.0 | 45°   | 2153.3 | 1650.1 | 471.5 | 239.0 | 206.9 | 176.9 | 173.8 | 176.0 | 177.7 | 180.8 |
| 2576.2 | 47.5° | 2317.6 | 1761.4 | 462.4 | 224.7 | 200.3 | 169.9 | 164.7 | 163.8 | 158.6 | 158.2 |
| 2780.0 | 50°   | 2431.0 | 1785.7 | 410.7 | 210.3 | 190.8 | 162.1 | 153.8 | 148.6 | 139.5 | 135.2 |
| 2932.6 | 52.5° | 2467.1 | 1689.7 | 335.5 | 196.0 | 175.1 | 151.7 | 139.9 | 131.7 | 120.4 | 116.5 |
| 3020.3 | 55°   | 2419.3 | 1501.5 | 268.1 | 178.6 | 153.4 | 137.8 | 124.7 | 113.9 | 104.7 | 100.0 |
| 3029.9 | 57.5° | 2302.4 | 1262.0 | 212.1 | 158.2 | 130.4 | 122.1 | 109.1 | 98.2  | 90.4  | 85.6  |
| 2923.9 | 60°   | 2108.6 | 1002.1 | 167.7 | 133.9 | 111.3 | 105.2 | 91.7  | 84.7  | 77.8  | 72.1  |
| 2650.1 | 62.5° | 1814.4 | 715.3  | 131.7 | 106.0 | 93.0  | 86.0  | 78.2  | 73.0  | 64.8  | 56.9  |
| 2157.7 | 65°   | 1415.9 | 437.6  | 101.7 | 77.8  | 74.7  | 71.3  | 66.5  | 61.7  | 51.7  | 43.9  |
| 1407.6 | 67.5° | 893.1  | 207.3  | 72.6  | 58.7  | 59.1  | 57.4  | 55.2  | 51.3  | 43.9  | 36.9  |
| 630.6  | 70°   | 393.3  | 100.4  | 47.8  | 44.8  | 43.9  | 43.9  | 45.6  | 44.3  | 37.4  | 30.9  |
| 219.0  | 72.5° | 133.9  | 53.9   | 35.6  | 33.9  | 31.7  | 31.3  | 38.2  | 36.9  | 30.0  | 23.9  |
| 109.1  | 75°   | 70.0   | 36.1   | 26.1  | 24.3  | 19.1  | 23.0  | 30.4  | 28.7  | 21.3  | 15.6  |
| 72.1   | 77.5° | 45.6   | 25.6   | 17.8  | 15.6  | 10.9  | 15.2  | 22.6  | 20.0  | 12.6  | 7.8   |
| 47.4   | 80°   | 28.7   | 16.9   | 10.4  | 7.4   | 5.2   | 8.3   | 12.2  | 8.7   | 4.8   | 1.7   |
| 27.8   | 82.5° | 15.2   | 8.7    | 3.9   | 2.6   | 2.2   | 2.6   | 3.0   | 2.2   | 0.9   | 0.0   |
| 14.3   | 85°   | 6.1    | 3.0    | 1.3   | 0.9   | 0.4   | 0.0   | 0.9   | 0.4   | 0.0   | 0.0   |
| 2.6    | 87.5° | 2.2    | 0.4    | 0.0   | 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   |

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| 180°  |
|-------|
| 859.6 |
| 803.1 |
| 672.3 |
| 501.1 |
| 338.1 |
| 273.8 |
| 266.8 |
| 262.9 |
| 256.8 |
| 250.8 |
| 246.8 |
| 243.8 |
| 240.8 |
| 237.7 |
| 235.5 |
| 232.9 |
| 224.7 |
| 206.4 |
| 182.5 |
| 157.8 |
| 135.6 |
| 116.0 |
| 100.0 |
| 84.7  |
| 70.8  |
| 55.6  |
| 42.6  |
| 36.1  |
| 29.6  |
| 22.6  |
| 14.3  |
| 7.0   |
| 1.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |