

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: P939468

Luminaire Tested: **GLAN-SB2A-827-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939468  
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-SB2A-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 350mA 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: 5906 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

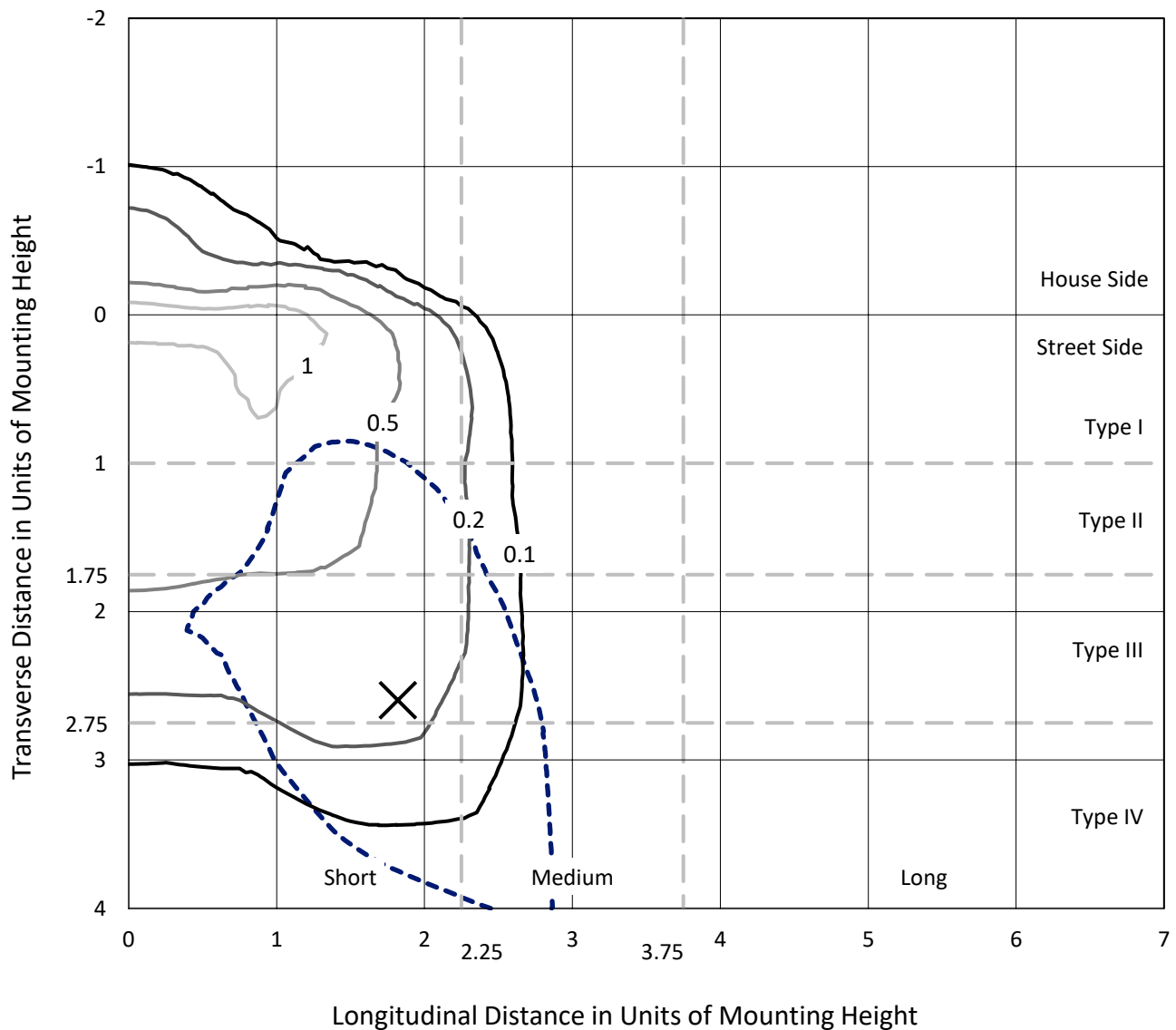
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

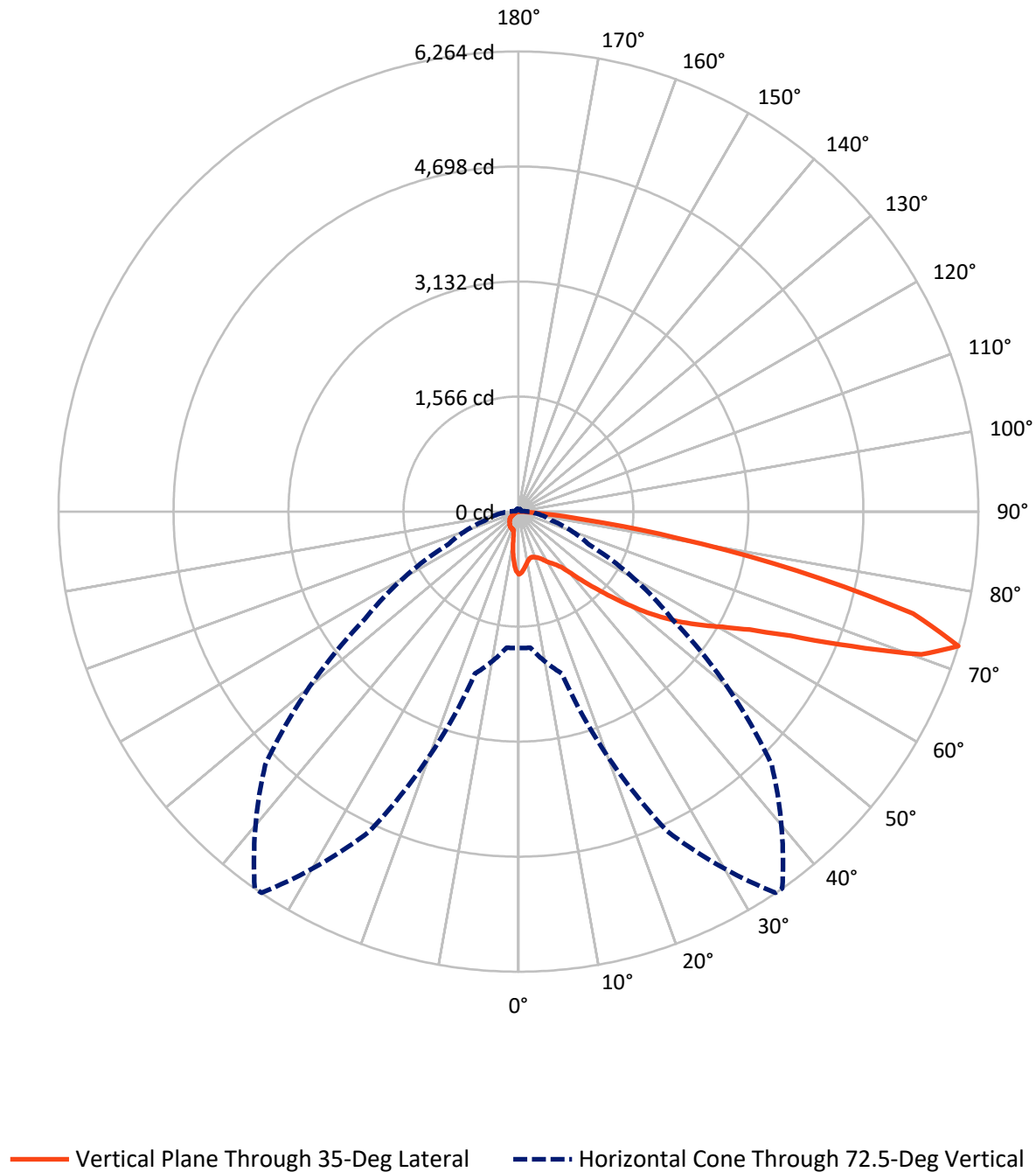
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 664.7    | 0.0    | 664.7  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 5241.3   | 0.0    | 5241.3 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 5906.0   | 0.0    | 5906.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.3   | 1.2       |
| 10°-20°   | 164.5  | 2.8       |
| 20°-30°   | 267.3  | 4.5       |
| 30°-40°   | 446.0  | 7.6       |
| 40°-50°   | 843.8  | 14.3      |
| 50°-60°   | 1340.8 | 22.7      |
| 60°-70°   | 1658.7 | 28.1      |
| 70°-80°   | 1031.1 | 17.5      |
| 80°-90°   | 83.3   | 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°    | 5906.0 | 100.0     |
| 0°-180°   | 5906.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939468

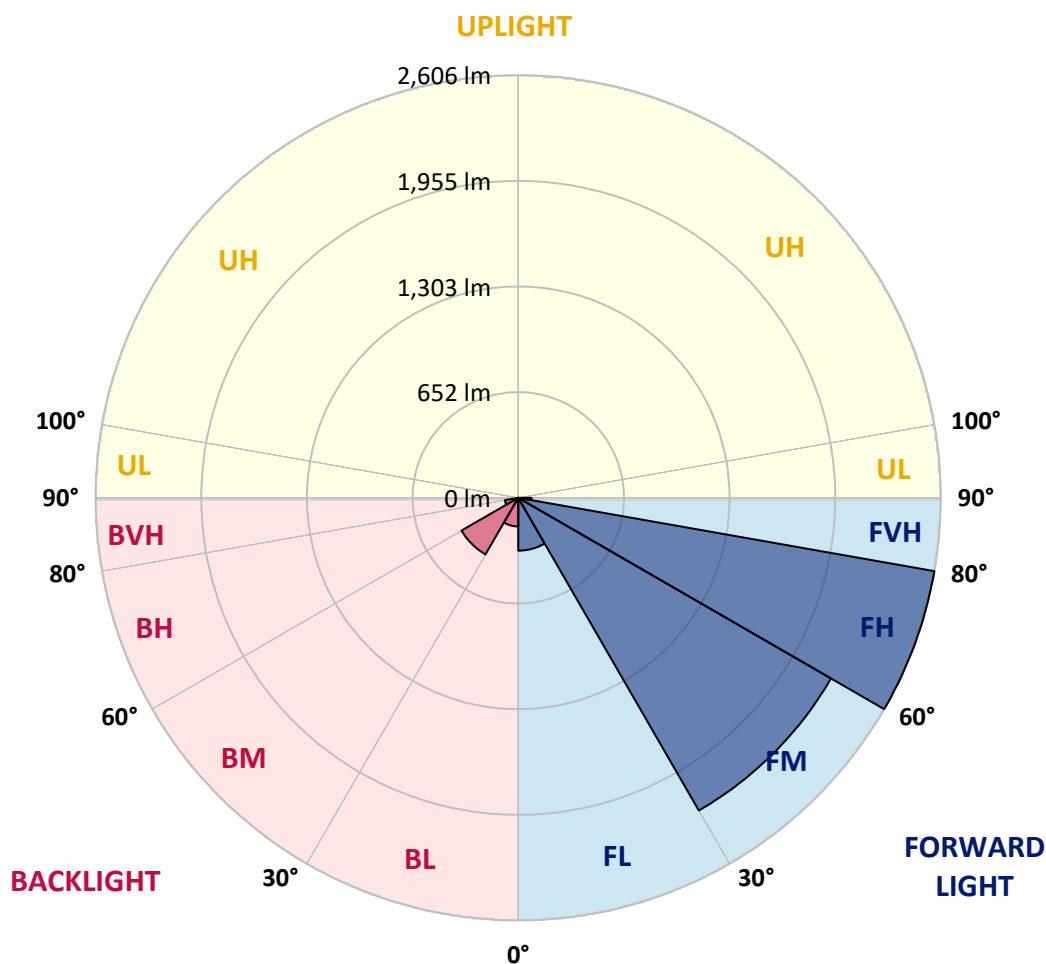
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 325.6  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 2227.2 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 2606.4 | 44.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.2   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 176.6  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 403.5  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 83.4   | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  | 856.0  |
| 2.5°  | 817.9  | 824.8  | 826.1  | 828.3  | 828.3  | 830.9  | 835.2  | 841.3  | 851.2  | 856.4  |
| 5°    | 753.8  | 759.0  | 765.5  | 770.7  | 780.7  | 782.0  | 798.9  | 815.3  | 838.2  | 855.5  |
| 7.5°  | 689.4  | 695.4  | 704.1  | 716.6  | 729.6  | 733.5  | 759.0  | 786.7  | 823.1  | 855.5  |
| 10°   | 643.9  | 644.4  | 652.2  | 664.7  | 685.5  | 690.2  | 721.4  | 760.8  | 806.2  | 850.4  |
| 12.5° | 618.4  | 621.4  | 624.9  | 634.4  | 654.3  | 657.3  | 690.7  | 737.0  | 789.3  | 847.3  |
| 15°   | 618.4  | 620.6  | 622.7  | 627.5  | 643.5  | 646.1  | 675.5  | 721.8  | 780.7  | 848.6  |
| 17.5° | 624.9  | 628.4  | 626.6  | 632.2  | 649.1  | 650.9  | 676.8  | 717.5  | 780.2  | 856.8  |
| 20°   | 640.5  | 643.1  | 639.6  | 643.1  | 659.9  | 663.4  | 690.2  | 725.7  | 787.6  | 871.1  |
| 22.5° | 665.1  | 666.4  | 658.2  | 660.8  | 678.1  | 682.4  | 713.6  | 749.1  | 805.3  | 894.1  |
| 25°   | 696.3  | 698.9  | 686.3  | 689.4  | 705.8  | 711.0  | 746.9  | 784.1  | 833.5  | 925.6  |
| 27.5° | 732.2  | 733.5  | 722.7  | 722.3  | 743.5  | 750.8  | 787.2  | 827.4  | 871.1  | 965.5  |
| 30°   | 773.3  | 777.2  | 766.8  | 765.1  | 791.9  | 798.0  | 833.9  | 880.6  | 926.5  | 1025.2 |
| 32.5° | 805.8  | 808.8  | 802.7  | 807.1  | 834.3  | 839.1  | 890.6  | 955.9  | 1013.5 | 1110.0 |
| 35°   | 852.5  | 854.2  | 840.4  | 848.2  | 879.3  | 891.5  | 968.1  | 1061.5 | 1123.0 | 1216.5 |
| 37.5° | 1021.7 | 1021.7 | 962.9  | 924.4  | 954.2  | 965.0  | 1074.1 | 1194.4 | 1258.0 | 1359.3 |
| 40°   | 1255.8 | 1251.9 | 1165.8 | 1087.1 | 1083.2 | 1104.4 | 1225.1 | 1361.9 | 1432.4 | 1530.6 |
| 42.5° | 1505.5 | 1499.5 | 1382.2 | 1304.3 | 1291.3 | 1298.7 | 1399.5 | 1568.3 | 1640.1 | 1739.7 |
| 45°   | 1727.1 | 1725.4 | 1618.0 | 1513.3 | 1490.0 | 1513.3 | 1617.2 | 1809.8 | 1861.3 | 1966.0 |
| 47.5° | 1912.8 | 1912.8 | 1834.4 | 1766.0 | 1753.9 | 1767.8 | 1911.9 | 2077.6 | 2072.9 | 2207.0 |
| 50°   | 2126.5 | 2124.8 | 2050.4 | 2020.9 | 2033.5 | 2053.0 | 2251.2 | 2359.8 | 2291.8 | 2443.7 |
| 52.5° | 2276.3 | 2286.6 | 2261.1 | 2256.4 | 2320.4 | 2354.2 | 2595.6 | 2635.9 | 2487.9 | 2668.3 |
| 55°   | 2394.8 | 2406.9 | 2436.4 | 2469.7 | 2593.0 | 2637.2 | 2929.3 | 2897.7 | 2651.9 | 2863.1 |
| 57.5° | 2562.7 | 2545.4 | 2590.9 | 2656.6 | 2856.1 | 2909.4 | 3252.5 | 3144.8 | 2783.9 | 3021.0 |
| 60°   | 2766.6 | 2769.2 | 2776.9 | 2860.0 | 3118.8 | 3187.2 | 3571.0 | 3378.5 | 2868.7 | 3118.0 |
| 62.5° | 3011.5 | 3015.4 | 3031.4 | 3159.1 | 3471.5 | 3536.0 | 3910.3 | 3569.7 | 2907.6 | 3090.7 |
| 65°   | 2994.6 | 3011.1 | 3189.8 | 3626.4 | 4007.7 | 4071.3 | 4306.3 | 3703.9 | 2848.8 | 2841.4 |
| 67.5° | 2728.0 | 2754.9 | 3053.9 | 4184.7 | 4816.1 | 4887.0 | 4784.9 | 3730.3 | 2594.8 | 2209.6 |
| 70°   | 2378.4 | 2387.9 | 2747.5 | 4686.7 | 5752.1 | 5823.9 | 5213.3 | 3439.9 | 1969.0 | 1232.5 |
| 72.5° | 1857.4 | 1859.5 | 2281.5 | 4803.1 | 6260.1 | 6264.0 | 4877.1 | 2553.7 | 1058.9 | 473.4  |
| 75°   | 1326.8 | 1313.8 | 1528.0 | 3895.2 | 5507.6 | 5551.7 | 3656.3 | 1197.8 | 404.6  | 223.7  |
| 77.5° | 711.4  | 725.7  | 864.6  | 2310.0 | 3804.7 | 3880.0 | 1995.0 | 345.3  | 206.0  | 152.3  |
| 80°   | 219.8  | 232.0  | 354.4  | 1057.6 | 2155.1 | 2200.5 | 739.6  | 153.6  | 143.7  | 108.6  |
| 82.5° | 69.2   | 71.8   | 165.3  | 444.4  | 894.5  | 915.3  | 214.2  | 87.0   | 98.2   | 71.8   |
| 85°   | 19.9   | 20.3   | 73.6   | 165.7  | 221.1  | 225.5  | 60.2   | 33.8   | 56.3   | 44.6   |
| 87.5° | 2.2    | 6.9    | 27.7   | 27.7   | 19.5   | 19.0   | 6.5    | 7.4    | 16.0   | 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: P939468

CATALOG NUMBER: GLAN-SB2A-827-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 856.0  | 0°    | 856.0  | 856.0  | 856.0 | 856.0 | 856.0 | 856.0 | 856.0 | 856.0 | 856.0 | 856.0 |
| 859.9  | 2.5°  | 857.7  | 858.1  | 852.5 | 843.0 | 832.6 | 824.0 | 813.1 | 804.5 | 798.4 | 796.7 |
| 867.7  | 5°    | 863.8  | 860.7  | 844.7 | 815.7 | 781.1 | 751.3 | 717.9 | 691.5 | 674.2 | 666.9 |
| 875.9  | 7.5°  | 872.9  | 864.2  | 829.1 | 772.0 | 705.8 | 647.0 | 587.2 | 540.9 | 511.5 | 496.8 |
| 883.7  | 10°   | 880.6  | 863.3  | 803.2 | 708.8 | 607.6 | 518.4 | 437.9 | 382.1 | 351.0 | 336.2 |
| 892.8  | 12.5° | 888.0  | 862.9  | 769.4 | 634.0 | 496.8 | 387.7 | 312.9 | 285.2 | 276.5 | 273.5 |
| 907.5  | 15°   | 901.8  | 864.2  | 727.0 | 548.3 | 386.4 | 293.0 | 265.7 | 265.3 | 267.0 | 266.1 |
| 930.0  | 17.5° | 920.9  | 865.5  | 679.0 | 457.4 | 298.2 | 258.4 | 257.1 | 260.9 | 263.5 | 262.2 |
| 958.1  | 20°   | 945.6  | 870.7  | 627.9 | 367.4 | 256.2 | 249.7 | 252.7 | 256.2 | 258.4 | 256.2 |
| 995.8  | 22.5° | 980.2  | 879.8  | 572.1 | 295.1 | 242.8 | 244.5 | 247.1 | 251.0 | 253.2 | 250.1 |
| 1043.8 | 25°   | 1022.6 | 894.1  | 517.1 | 256.6 | 236.3 | 238.4 | 242.3 | 246.7 | 249.3 | 246.2 |
| 1104.4 | 27.5° | 1077.5 | 917.0  | 466.5 | 248.0 | 229.8 | 231.1 | 236.7 | 243.2 | 246.7 | 242.8 |
| 1190.5 | 30°   | 1157.2 | 954.6  | 422.8 | 251.9 | 225.9 | 222.9 | 230.7 | 239.7 | 243.6 | 240.2 |
| 1307.8 | 32.5° | 1262.8 | 1007.9 | 396.0 | 257.9 | 224.2 | 213.3 | 220.7 | 232.4 | 238.9 | 236.7 |
| 1461.0 | 35°   | 1401.2 | 1088.8 | 385.6 | 264.8 | 222.9 | 203.4 | 208.6 | 221.1 | 232.4 | 234.5 |
| 1654.0 | 37.5° | 1569.1 | 1201.3 | 388.6 | 267.9 | 219.0 | 195.2 | 197.8 | 208.6 | 223.3 | 230.2 |
| 1871.2 | 40°   | 1760.0 | 1332.4 | 405.9 | 264.8 | 214.6 | 188.2 | 188.7 | 196.9 | 209.9 | 220.3 |
| 2104.9 | 42.5° | 1956.9 | 1485.6 | 437.9 | 253.6 | 210.7 | 182.2 | 180.9 | 186.5 | 195.2 | 202.5 |
| 2338.1 | 45°   | 2144.3 | 1643.1 | 469.5 | 238.0 | 206.0 | 176.1 | 173.1 | 175.3 | 177.0 | 180.0 |
| 2565.3 | 47.5° | 2307.9 | 1753.9 | 460.4 | 223.7 | 199.5 | 169.2 | 164.0 | 163.1 | 158.0 | 157.5 |
| 2768.3 | 50°   | 2420.8 | 1778.2 | 408.9 | 209.5 | 190.0 | 161.4 | 153.2 | 148.0 | 138.9 | 134.6 |
| 2920.2 | 52.5° | 2456.7 | 1682.5 | 334.1 | 195.2 | 174.4 | 151.0 | 139.3 | 131.1 | 119.9 | 116.0 |
| 3007.6 | 55°   | 2409.1 | 1495.1 | 267.0 | 177.9 | 152.8 | 137.2 | 124.2 | 113.4 | 104.3 | 99.5  |
| 3017.1 | 57.5° | 2292.7 | 1256.7 | 211.2 | 157.5 | 129.8 | 121.6 | 108.6 | 97.8  | 90.0  | 85.3  |
| 2911.5 | 60°   | 2099.7 | 997.9  | 167.0 | 133.3 | 110.8 | 104.7 | 91.3  | 84.4  | 77.5  | 71.8  |
| 2638.9 | 62.5° | 1806.7 | 712.3  | 131.1 | 105.6 | 92.6  | 85.7  | 77.9  | 72.7  | 64.5  | 56.7  |
| 2148.6 | 65°   | 1409.9 | 435.8  | 101.3 | 77.5  | 74.4  | 71.0  | 66.2  | 61.5  | 51.5  | 43.7  |
| 1401.7 | 67.5° | 889.3  | 206.4  | 72.3  | 58.4  | 58.9  | 57.1  | 55.0  | 51.1  | 43.7  | 36.8  |
| 627.9  | 70°   | 391.6  | 100.0  | 47.6  | 44.6  | 43.7  | 43.7  | 45.4  | 44.1  | 37.2  | 30.7  |
| 218.1  | 72.5° | 133.3  | 53.7   | 35.5  | 33.8  | 31.6  | 31.2  | 38.1  | 36.8  | 29.9  | 23.8  |
| 108.6  | 75°   | 69.7   | 35.9   | 26.0  | 24.2  | 19.0  | 22.9  | 30.3  | 28.6  | 21.2  | 15.6  |
| 71.8   | 77.5° | 45.4   | 25.5   | 17.7  | 15.6  | 10.8  | 15.1  | 22.5  | 19.9  | 12.5  | 7.8   |
| 47.2   | 80°   | 28.6   | 16.9   | 10.4  | 7.4   | 5.2   | 8.2   | 12.1  | 8.7   | 4.8   | 1.7   |
| 27.7   | 82.5° | 15.1   | 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°  |
|-------|
| 856.0 |
| 799.7 |
| 669.5 |
| 499.0 |
| 336.7 |
| 272.6 |
| 265.7 |
| 261.8 |
| 255.8 |
| 249.7 |
| 245.8 |
| 242.8 |
| 239.7 |
| 236.7 |
| 234.5 |
| 232.0 |
| 223.7 |
| 205.6 |
| 181.8 |
| 157.1 |
| 135.0 |
| 115.5 |
| 99.5  |
| 84.4  |
| 70.5  |
| 55.4  |
| 42.4  |
| 35.9  |
| 29.4  |
| 22.5  |
| 14.3  |
| 6.9   |
| 1.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |