

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: P955122

Luminaire Tested: **GLAN-SB8A-935-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-935-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 21514 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

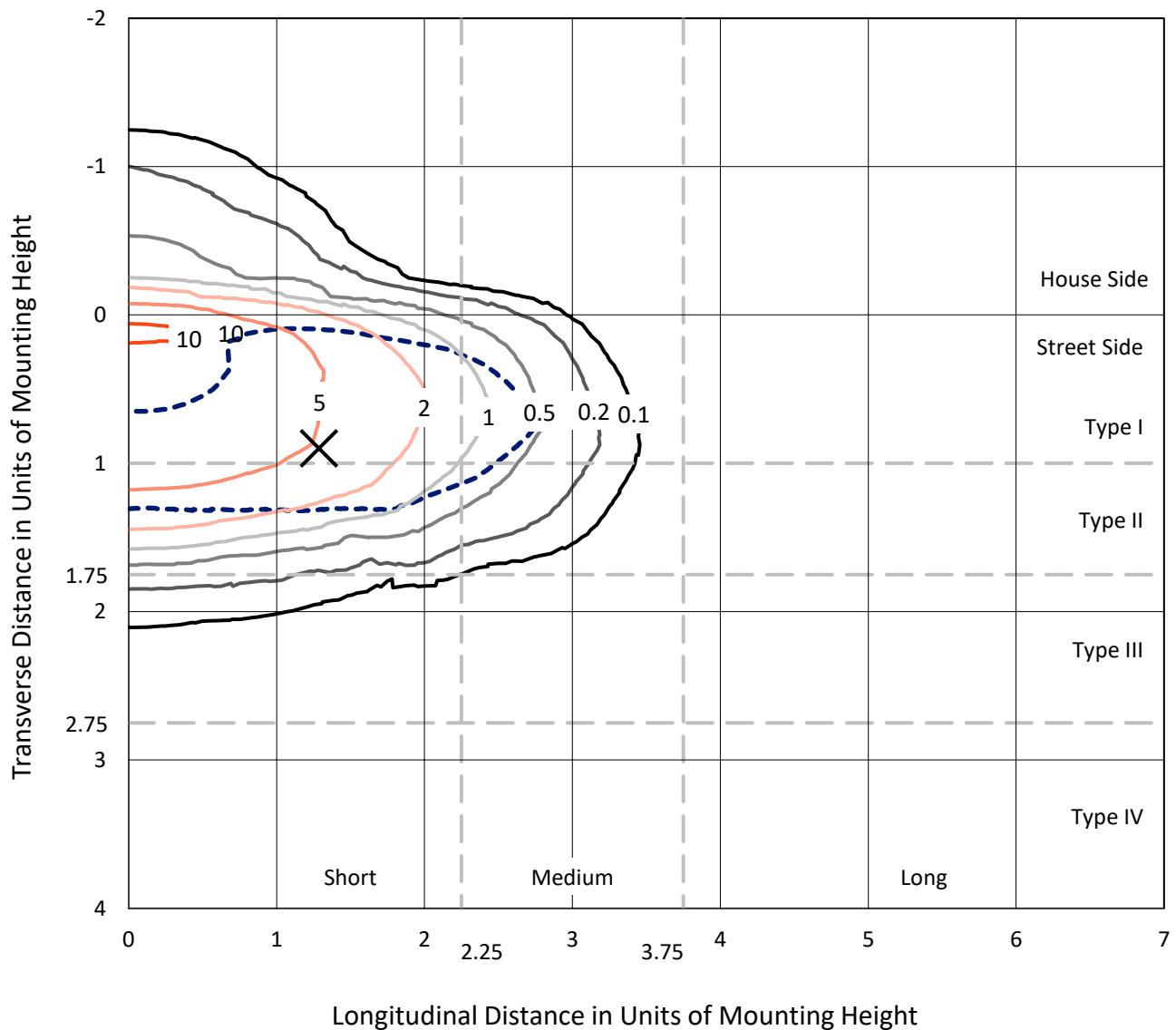
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P955122  
CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

## Iso-Footcandle Lines of Horizontal Illumination

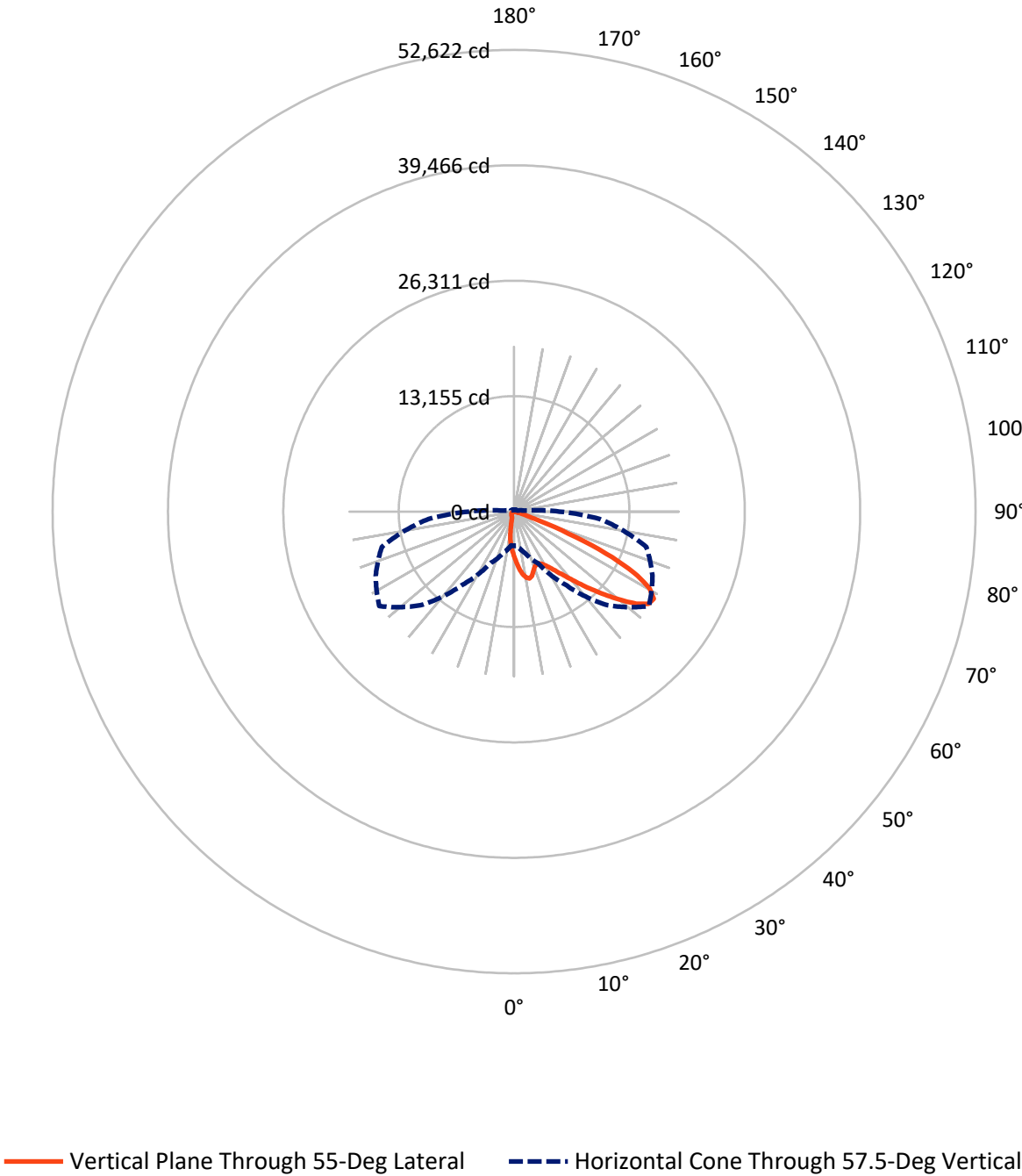
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
Type II - Short - N/A

REPORT NUMBER: P955122  
CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P955122

CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1680.2   | 0.0    | 1680.2  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 19833.8  | 0.0    | 19833.8 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 21514.0  | 0.0    | 21514.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 482.4   | 2.2       |
| 10°-20°   | 1165.2  | 5.4       |
| 20°-30°   | 1864.3  | 8.7       |
| 30°-40°   | 3155.4  | 14.7      |
| 40°-50°   | 5180.5  | 24.1      |
| 50°-60°   | 5693.7  | 26.5      |
| 60°-70°   | 3265.9  | 15.2      |
| 70°-80°   | 667.3   | 3.1       |
| 80°-90°   | 39.4    | 0.2       |
| 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°    | 21514.0 | 100.0     |
| 0°-180°   | 21514.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955122

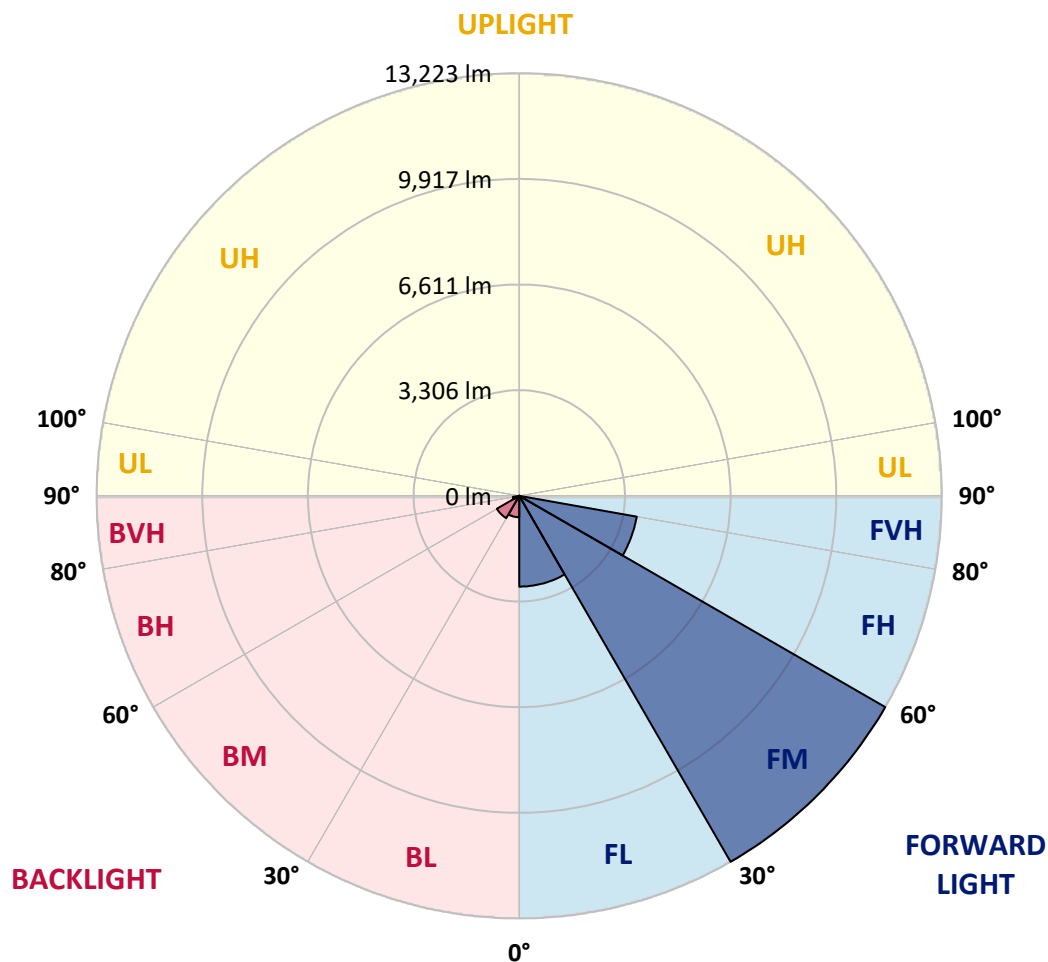
CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2841.1  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 13222.7 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 3733.4  | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 36.7    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 670.8   | 3.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 806.9   | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 199.8   | 0.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.7     | 0.0       |                         |      | G0/10   |
| 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 Short



REPORT NUMBER: P955122

CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  | 5184.3  |
| 2.5°  | 6432.7  | 6351.7  | 6339.8  | 6323.9  | 6170.0  | 6054.6  | 5887.4  | 5704.4  | 5498.7  | 5289.1  |
| 5°    | 7431.6  | 7367.9  | 7356.0  | 7281.7  | 7106.6  | 6910.2  | 6613.1  | 6237.7  | 5854.3  | 5403.2  |
| 7.5°  | 7625.3  | 7613.3  | 7667.7  | 7665.1  | 7641.2  | 7486.0  | 7235.3  | 6788.2  | 6212.5  | 5543.9  |
| 10°   | 6761.7  | 6792.2  | 6954.0  | 7096.0  | 7479.4  | 7702.2  | 7647.8  | 7279.0  | 6581.3  | 5704.4  |
| 12.5° | 5975.0  | 5939.2  | 6054.6  | 6215.1  | 6660.8  | 7324.1  | 7819.0  | 7689.0  | 7003.1  | 5886.1  |
| 15°   | 5481.5  | 5466.9  | 5531.9  | 5606.2  | 5945.8  | 6614.4  | 7620.0  | 8021.9  | 7409.0  | 6101.0  |
| 17.5° | 5323.6  | 5311.7  | 5331.6  | 5350.2  | 5570.4  | 6087.8  | 7146.4  | 8226.2  | 7797.7  | 6346.4  |
| 20°   | 5452.3  | 5436.4  | 5433.7  | 5419.2  | 5510.7  | 5863.6  | 6717.9  | 8240.8  | 8146.6  | 6569.3  |
| 22.5° | 5827.7  | 5809.2  | 5744.2  | 5685.8  | 5693.8  | 5894.1  | 6526.9  | 8094.9  | 8409.3  | 6777.6  |
| 25°   | 6508.3  | 6477.8  | 6342.5  | 6146.1  | 6021.4  | 6106.3  | 6556.0  | 7902.5  | 8660.0  | 6940.8  |
| 27.5° | 7360.0  | 7320.2  | 7146.4  | 6854.5  | 6569.3  | 6465.8  | 6767.0  | 7769.9  | 8868.3  | 7065.5  |
| 30°   | 8194.4  | 8142.7  | 7971.5  | 7744.7  | 7328.1  | 7001.8  | 7147.7  | 7828.3  | 9116.4  | 7195.5  |
| 32.5° | 9095.2  | 9046.1  | 8819.2  | 8538.0  | 8193.1  | 7754.0  | 7669.1  | 8113.5  | 9420.2  | 7377.2  |
| 35°   | 10234.7 | 10157.8 | 9835.4  | 9452.0  | 9085.9  | 8641.5  | 8374.8  | 8605.6  | 9824.8  | 7654.5  |
| 37.5° | 11532.1 | 11428.6 | 11081.1 | 10551.8 | 10074.2 | 9576.7  | 9234.4  | 9282.2  | 10417.8 | 8025.9  |
| 40°   | 12755.2 | 12661.0 | 12340.0 | 11841.2 | 11241.6 | 10638.0 | 10273.2 | 10167.0 | 11236.3 | 8478.3  |
| 42.5° | 13488.8 | 13403.9 | 13268.6 | 13057.7 | 12552.3 | 11936.7 | 11476.4 | 11246.9 | 12204.7 | 9019.5  |
| 45°   | 13530.0 | 13455.7 | 13637.4 | 13882.8 | 13783.4 | 13373.4 | 12812.3 | 12391.7 | 13177.1 | 9527.6  |
| 47.5° | 12872.0 | 12821.6 | 13373.4 | 14230.4 | 14657.6 | 14830.0 | 14312.7 | 13441.1 | 13979.7 | 9892.4  |
| 50°   | 11078.4 | 11059.8 | 12195.4 | 13768.8 | 14990.6 | 16106.2 | 15895.3 | 14417.5 | 14601.9 | 10080.8 |
| 52.5° | 9605.9  | 9538.2  | 10200.2 | 12290.9 | 14506.3 | 16777.5 | 17442.1 | 15375.3 | 15037.0 | 10116.6 |
| 55°   | 7285.7  | 7226.0  | 8056.4  | 9818.1  | 12944.9 | 16538.7 | 18573.7 | 16363.6 | 15348.7 | 10025.1 |
| 57.5° | 3908.2  | 3871.0  | 4920.4  | 6534.8  | 10119.3 | 15106.0 | 18778.0 | 17408.9 | 15611.4 | 9782.3  |
| 60°   | 1521.6  | 1515.0  | 1907.6  | 3170.6  | 6150.1  | 12289.6 | 17747.2 | 18036.4 | 15775.9 | 9483.8  |
| 62.5° | 920.7   | 940.6   | 1004.2  | 1423.4  | 2716.9  | 7634.6  | 15371.3 | 17322.7 | 15886.0 | 9210.6  |
| 65°   | 761.5   | 762.8   | 770.8   | 977.7   | 1301.4  | 3194.4  | 11571.9 | 14974.6 | 15614.1 | 8723.7  |
| 67.5° | 652.7   | 664.6   | 695.1   | 776.1   | 918.0   | 1400.9  | 6662.2  | 11599.8 | 13959.8 | 7590.8  |
| 70°   | 514.7   | 530.6   | 569.1   | 638.1   | 708.4   | 876.9   | 2462.2  | 7718.1  | 10664.5 | 5721.6  |
| 72.5° | 433.8   | 432.5   | 452.4   | 518.7   | 562.5   | 616.9   | 947.2   | 4324.7  | 6197.9  | 2731.5  |
| 75°   | 335.6   | 348.9   | 374.1   | 433.8   | 460.3   | 447.1   | 513.4   | 1580.0  | 2220.7  | 827.8   |
| 77.5° | 262.7   | 273.3   | 295.8   | 354.2   | 380.7   | 317.1   | 295.8   | 565.1   | 713.7   | 297.2   |
| 80°   | 118.1   | 127.4   | 201.6   | 261.3   | 310.4   | 218.9   | 160.5   | 289.2   | 317.1   | 135.3   |
| 82.5° | 21.2    | 35.8    | 118.1   | 138.0   | 159.2   | 141.9   | 83.6    | 149.9   | 155.2   | 54.4    |
| 85°   | 1.3     | 2.7     | 41.1    | 50.4    | 63.7    | 46.4    | 25.2    | 59.7    | 51.7    | 18.6    |
| 87.5° | 0.0     | 0.0     | 0.0     | 1.3     | 1.3     | 6.6     | 8.0     | 10.6    | 8.0     | 6.6     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955122

CATALOG NUMBER: GLAN-SB8A-935-U-AFL-HSS

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5184.3 | 0°    | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 | 5184.3 |
| 5196.3 | 2.5°  | 5100.8 | 4912.4 | 4729.3 | 4579.4 | 4491.9 | 4343.3 | 4245.1 | 4229.2 | 4188.1 | 4223.9 |
| 5209.5 | 5°    | 5002.6 | 4665.6 | 4324.7 | 4019.6 | 3768.9 | 3445.2 | 3203.7 | 3101.6 | 3012.7 | 3043.2 |
| 5244.0 | 7.5°  | 4956.2 | 4424.2 | 3893.6 | 3372.2 | 2836.3 | 2318.9 | 1934.2 | 1773.7 | 1651.6 | 1668.9 |
| 5282.5 | 10°   | 4893.8 | 4173.5 | 3341.7 | 2545.7 | 1828.1 | 1317.3 | 1052.0 | 953.8  | 899.4  | 900.8  |
| 5339.6 | 12.5° | 4846.1 | 3873.7 | 2701.0 | 1725.9 | 1113.0 | 841.1  | 758.8  | 734.9  | 719.0  | 720.3  |
| 5425.8 | 15°   | 4822.2 | 3520.8 | 2068.2 | 1150.2 | 796.0  | 712.4  | 692.5  | 681.9  | 671.3  | 669.9  |
| 5521.3 | 17.5° | 4782.4 | 3128.1 | 1513.6 | 839.7  | 696.5  | 667.3  | 650.0  | 638.1  | 624.8  | 622.2  |
| 5603.5 | 20°   | 4722.7 | 2682.4 | 1106.4 | 709.7  | 652.7  | 630.1  | 606.3  | 590.3  | 574.4  | 571.8  |
| 5655.3 | 22.5° | 4612.6 | 2211.4 | 850.3  | 656.7  | 620.8  | 595.6  | 566.5  | 547.9  | 532.0  | 529.3  |
| 5630.1 | 25°   | 4408.3 | 1769.7 | 716.4  | 623.5  | 593.0  | 562.5  | 530.6  | 505.4  | 490.8  | 488.2  |
| 5575.7 | 27.5° | 4149.6 | 1390.3 | 650.0  | 593.0  | 557.2  | 529.3  | 493.5  | 469.6  | 456.3  | 453.7  |
| 5504.1 | 30°   | 3844.5 | 1070.6 | 611.6  | 558.5  | 514.7  | 490.8  | 459.0  | 439.1  | 431.1  | 431.1  |
| 5453.6 | 32.5° | 3515.5 | 855.7  | 595.6  | 524.0  | 477.6  | 451.0  | 425.8  | 417.9  | 415.2  | 413.9  |
| 5481.5 | 35°   | 3206.4 | 742.9  | 587.7  | 496.1  | 444.4  | 419.2  | 408.6  | 409.9  | 415.2  | 415.2  |
| 5567.7 | 37.5° | 2931.8 | 707.1  | 583.7  | 476.2  | 415.2  | 392.7  | 399.3  | 411.2  | 405.9  | 405.9  |
| 5719.0 | 40°   | 2683.7 | 711.1  | 581.0  | 461.7  | 391.3  | 378.1  | 391.3  | 382.1  | 368.8  | 367.5  |
| 5903.4 | 42.5° | 2494.0 | 744.2  | 575.7  | 449.7  | 376.8  | 367.5  | 362.2  | 347.6  | 346.2  | 348.9  |
| 6094.4 | 45°   | 2356.0 | 773.4  | 574.4  | 444.4  | 360.8  | 343.6  | 337.0  | 322.4  | 348.9  | 355.5  |
| 6172.7 | 47.5° | 2192.9 | 773.4  | 574.4  | 425.8  | 334.3  | 327.7  | 317.1  | 301.1  | 327.7  | 334.3  |
| 6098.4 | 50°   | 1981.9 | 724.3  | 551.9  | 404.6  | 313.1  | 309.1  | 290.5  | 270.6  | 265.3  | 269.3  |
| 5924.6 | 52.5° | 1715.3 | 635.4  | 494.8  | 375.4  | 291.9  | 283.9  | 261.3  | 246.7  | 242.8  | 242.8  |
| 5612.8 | 55°   | 1411.5 | 532.0  | 417.9  | 333.0  | 269.3  | 254.7  | 238.8  | 232.2  | 228.2  | 225.5  |
| 5176.4 | 57.5° | 1147.5 | 436.5  | 335.6  | 295.8  | 248.1  | 229.5  | 224.2  | 216.2  | 209.6  | 205.6  |
| 4811.6 | 60°   | 941.9  | 343.6  | 277.3  | 262.7  | 226.8  | 209.6  | 208.3  | 197.7  | 180.4  | 177.8  |
| 4510.4 | 62.5° | 727.0  | 252.1  | 233.5  | 228.2  | 205.6  | 191.0  | 188.4  | 167.2  | 140.6  | 135.3  |
| 4083.3 | 65°   | 513.4  | 196.3  | 188.4  | 200.3  | 183.1  | 169.8  | 163.2  | 131.3  | 103.5  | 99.5   |
| 3417.3 | 67.5° | 360.8  | 164.5  | 148.6  | 175.1  | 159.2  | 141.9  | 138.0  | 111.4  | 86.2   | 83.6   |
| 2584.2 | 70°   | 257.4  | 134.0  | 122.0  | 149.9  | 127.4  | 124.7  | 116.7  | 92.9   | 70.3   | 67.7   |
| 1278.8 | 72.5° | 181.7  | 102.1  | 94.2   | 130.0  | 87.6   | 107.5  | 95.5   | 71.6   | 53.1   | 50.4   |
| 435.1  | 75°   | 134.0  | 73.0   | 66.3   | 75.6   | 63.7   | 80.9   | 67.7   | 47.8   | 33.2   | 31.8   |
| 196.3  | 77.5° | 98.2   | 46.4   | 39.8   | 37.1   | 37.1   | 50.4   | 37.1   | 19.9   | 14.6   | 13.3   |
| 99.5   | 80°   | 69.0   | 21.2   | 18.6   | 15.9   | 14.6   | 11.9   | 5.3    | 2.7    | 1.3    | 1.3    |
| 34.5   | 82.5° | 41.1   | 9.3    | 9.3    | 6.6    | 4.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 13.3   | 85°   | 9.3    | 4.0    | 4.0    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 5.3    | 87.5° | 1.3    | 1.3    | 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    |

(END OF RI

