

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: P945484

Luminaire Tested: **GLAN-SB1B-935-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-935-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

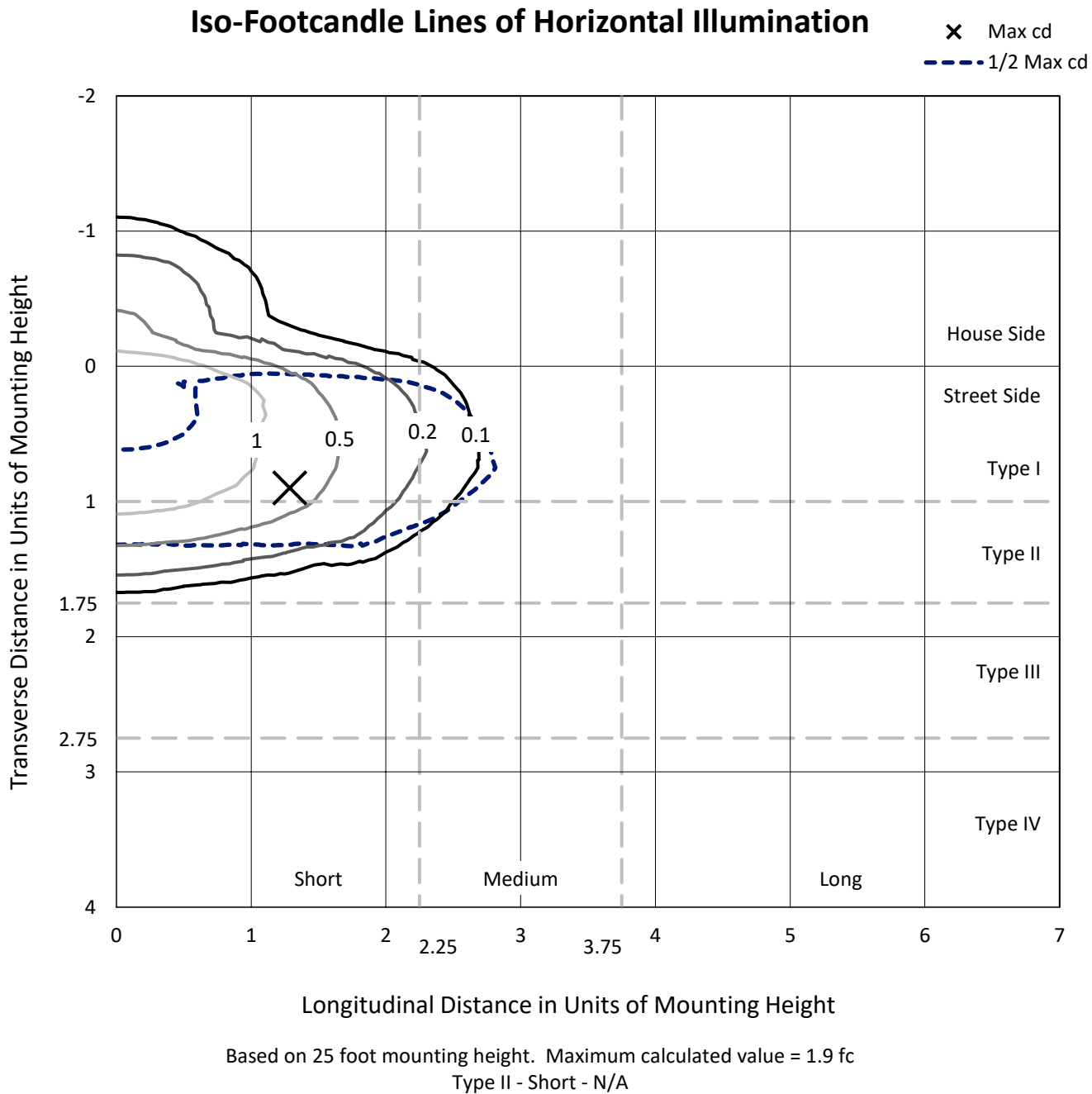
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3985 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

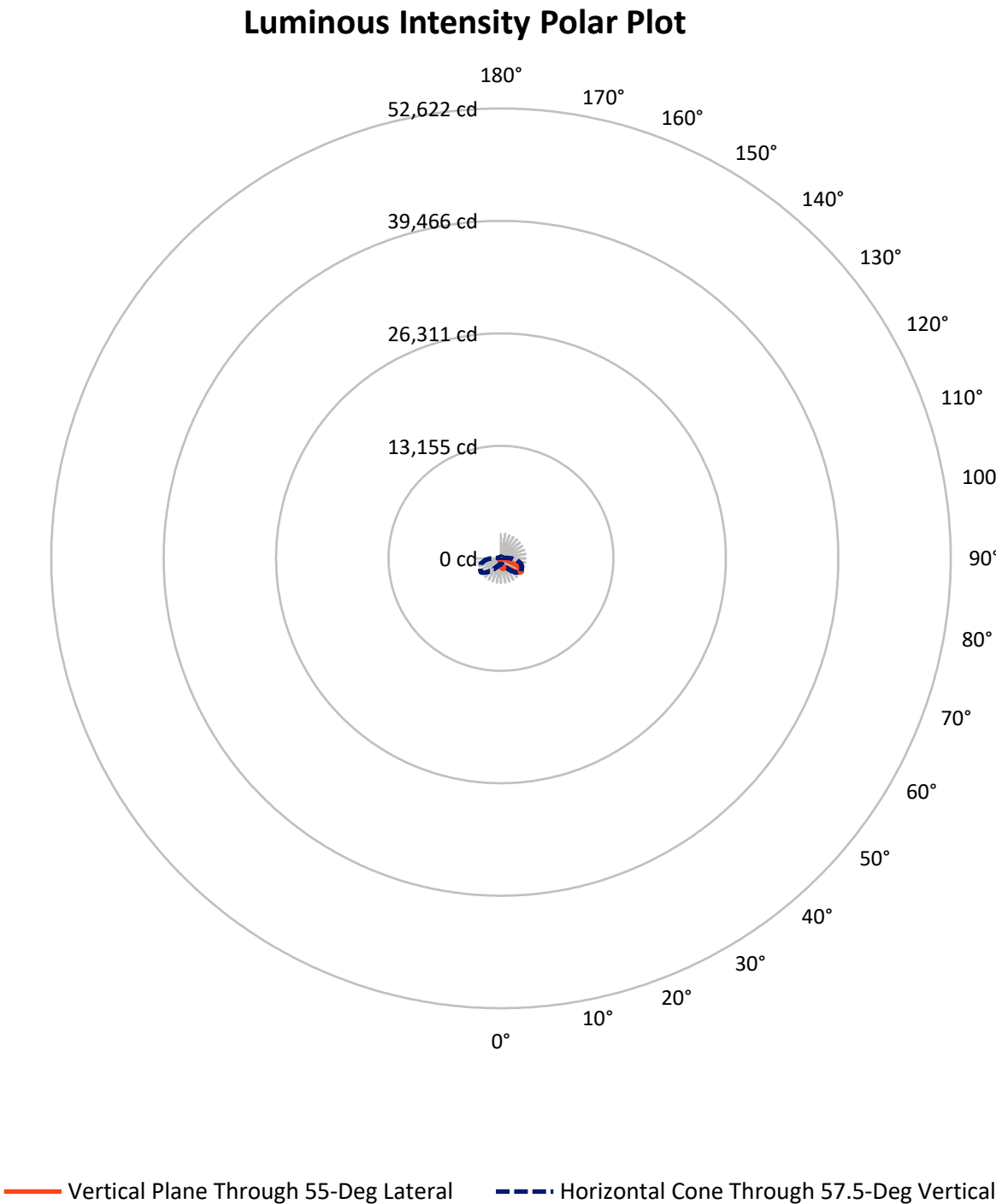
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P945484  
CATALOG NUMBER: GLAN-SB1B-935-U-AFL



REPORT NUMBER: P945484  
CATALOG NUMBER: GLAN-SB1B-935-U-AFL



REPORT NUMBER: P945484

CATALOG NUMBER: GLAN-SB1B-935-U-AFL

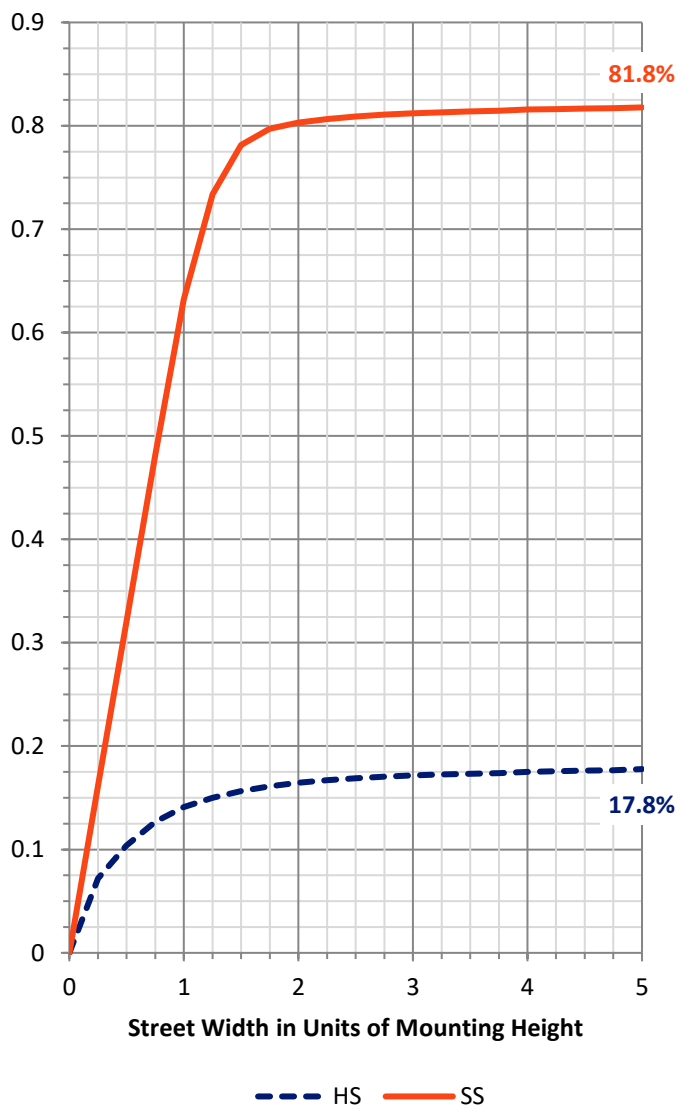
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 721.1    | 0.0    | 721.1  |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 3263.9   | 0.0    | 3263.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 3985.0   | 0.0    | 3985.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.7   | 2.3       |
| 10°-20°   | 233.9  | 5.9       |
| 20°-30°   | 373.2  | 9.4       |
| 30°-40°   | 590.8  | 14.8      |
| 40°-50°   | 904.4  | 22.7      |
| 50°-60°   | 968.6  | 24.3      |
| 60°-70°   | 609.4  | 15.3      |
| 70°-80°   | 180.2  | 4.5       |
| 80°-90°   | 31.9   | 0.8       |
| 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°    | 3985.0 | 100.0     |
| 0°-180°   | 3985.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945484

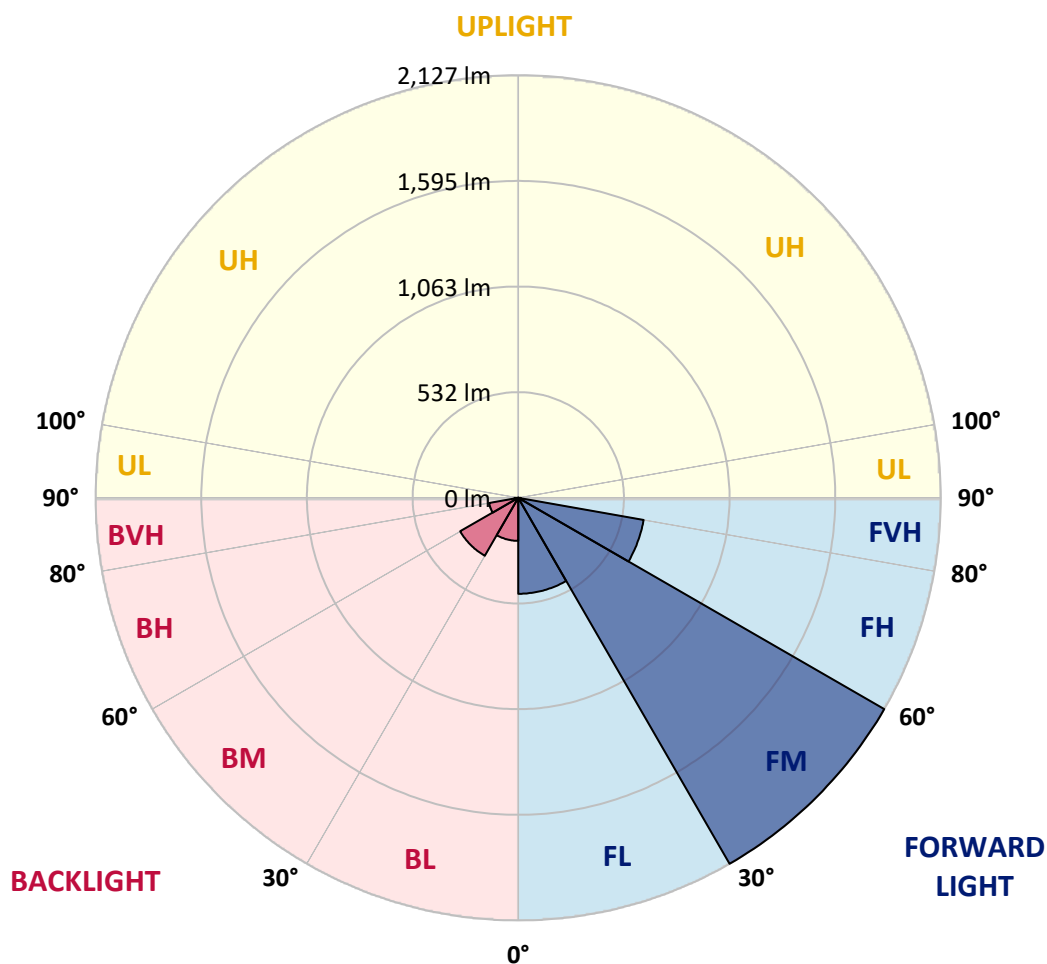
CATALOG NUMBER: GLAN-SB1B-935-U-AFL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 483.0  | 12.1      |                         |      |        |
| FM   | (30°-60°)   | 2126.8 | 53.4      |                         |      |        |
| FH   | (60°-80°)   | 640.7  | 16.1      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 13.5   | 0.3       |                         |      | G1/100 |
| BL   | (0°-30°)    | 216.7  | 5.4       | B1/500                  |      |        |
| BM   | (30°-60°)   | 337.0  | 8.5       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 148.9  | 3.7       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 18.4   | 0.5       |                         |      | G1/100 |
| 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: P945484

CATALOG NUMBER: GLAN-SB1B-935-U-AFL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  | 998.5  |
| 2.5°  | 1145.6 | 1144.8 | 1149.3 | 1133.9 | 1123.4 | 1109.1 | 1090.4 | 1066.5 | 1040.7 | 1013.6 |
| 5°    | 1248.8 | 1241.6 | 1246.3 | 1234.8 | 1223.3 | 1201.8 | 1174.0 | 1135.1 | 1087.5 | 1033.3 |
| 7.5°  | 1232.5 | 1227.6 | 1239.7 | 1250.0 | 1258.7 | 1256.0 | 1235.6 | 1194.8 | 1133.4 | 1054.8 |
| 10°   | 1101.3 | 1095.7 | 1112.8 | 1148.5 | 1200.8 | 1246.3 | 1271.1 | 1245.7 | 1180.4 | 1078.2 |
| 12.5° | 985.5  | 982.9  | 994.2  | 1023.0 | 1081.1 | 1168.5 | 1266.5 | 1290.2 | 1229.2 | 1106.0 |
| 15°   | 936.1  | 932.8  | 940.0  | 954.6  | 991.7  | 1073.1 | 1225.3 | 1320.7 | 1277.2 | 1138.2 |
| 17.5° | 925.2  | 921.5  | 924.6  | 932.2  | 956.1  | 1018.1 | 1163.1 | 1335.7 | 1327.3 | 1174.0 |
| 20°   | 945.4  | 942.3  | 942.7  | 942.3  | 959.0  | 1008.2 | 1119.8 | 1330.0 | 1371.0 | 1207.0 |
| 22.5° | 994.2  | 989.0  | 989.2  | 978.3  | 987.4  | 1025.5 | 1108.5 | 1314.5 | 1409.9 | 1235.8 |
| 25°   | 1073.7 | 1064.4 | 1066.3 | 1038.5 | 1036.0 | 1064.2 | 1126.2 | 1302.6 | 1448.6 | 1258.9 |
| 27.5° | 1182.5 | 1172.0 | 1166.4 | 1125.0 | 1105.2 | 1119.2 | 1162.3 | 1306.7 | 1485.3 | 1278.9 |
| 30°   | 1318.4 | 1305.7 | 1294.3 | 1235.6 | 1199.8 | 1194.6 | 1218.3 | 1333.9 | 1528.6 | 1299.9 |
| 32.5° | 1485.1 | 1470.3 | 1449.7 | 1371.8 | 1321.3 | 1294.3 | 1290.8 | 1382.3 | 1579.2 | 1326.7 |
| 35°   | 1683.5 | 1664.1 | 1634.9 | 1534.1 | 1470.3 | 1415.1 | 1386.4 | 1452.1 | 1648.7 | 1367.1 |
| 37.5° | 1887.8 | 1866.0 | 1839.2 | 1719.3 | 1640.8 | 1559.5 | 1503.0 | 1546.9 | 1741.2 | 1421.9 |
| 40°   | 2076.3 | 2051.8 | 2026.9 | 1920.2 | 1835.9 | 1737.9 | 1645.8 | 1666.8 | 1854.3 | 1487.4 |
| 42.5° | 2187.6 | 2169.5 | 2160.0 | 2102.3 | 2037.2 | 1937.7 | 1823.4 | 1808.9 | 1981.4 | 1562.8 |
| 45°   | 2182.6 | 2175.2 | 2204.5 | 2228.4 | 2212.9 | 2157.7 | 2031.4 | 1966.1 | 2108.9 | 1628.1 |
| 47.5° | 2066.0 | 2071.0 | 2136.3 | 2270.6 | 2329.7 | 2358.6 | 2268.3 | 2120.4 | 2219.7 | 1676.9 |
| 50°   | 1748.8 | 1752.9 | 1904.1 | 2193.8 | 2359.8 | 2522.3 | 2503.4 | 2271.0 | 2305.6 | 1706.8 |
| 52.5° | 1497.7 | 1500.3 | 1565.2 | 1965.9 | 2260.5 | 2604.7 | 2715.2 | 2412.9 | 2368.5 | 1715.0 |
| 55°   | 1128.1 | 1137.4 | 1210.1 | 1542.4 | 2002.2 | 2539.4 | 2844.1 | 2559.2 | 2408.2 | 1715.8 |
| 57.5° | 659.0  | 669.1  | 758.9  | 1046.9 | 1556.2 | 2311.8 | 2863.7 | 2689.0 | 2435.2 | 1709.2 |
| 60°   | 322.8  | 327.1  | 366.3  | 550.2  | 959.6  | 1873.2 | 2706.3 | 2751.8 | 2450.2 | 1705.7 |
| 62.5° | 217.5  | 216.9  | 218.6  | 271.5  | 472.8  | 1203.5 | 2378.3 | 2641.8 | 2442.2 | 1692.3 |
| 65°   | 187.1  | 184.8  | 178.6  | 190.6  | 244.9  | 550.4  | 1837.6 | 2313.4 | 2381.0 | 1658.8 |
| 67.5° | 161.7  | 161.9  | 162.1  | 158.4  | 174.9  | 254.0  | 1122.9 | 1822.3 | 2161.4 | 1499.7 |
| 70°   | 133.9  | 135.8  | 136.6  | 136.6  | 142.6  | 166.7  | 479.4  | 1249.0 | 1704.9 | 1175.9 |
| 72.5° | 122.0  | 118.0  | 118.5  | 116.4  | 116.4  | 126.9  | 193.0  | 708.0  | 1074.1 | 661.5  |
| 75°   | 99.5   | 102.0  | 102.4  | 100.9  | 96.2   | 96.8   | 114.5  | 297.1  | 459.6  | 274.4  |
| 77.5° | 85.9   | 85.9   | 86.7   | 85.7   | 82.0   | 72.5   | 76.4   | 115.2  | 156.4  | 112.5  |
| 80°   | 69.0   | 68.8   | 72.3   | 74.4   | 68.6   | 53.6   | 48.8   | 63.7   | 69.4   | 49.4   |
| 82.5° | 33.6   | 35.6   | 49.6   | 56.7   | 52.1   | 38.7   | 29.9   | 39.6   | 37.1   | 21.8   |
| 85°   | 19.6   | 18.5   | 22.2   | 31.5   | 29.9   | 21.4   | 14.4   | 20.6   | 19.4   | 11.1   |
| 87.5° | 6.2    | 5.8    | 4.5    | 10.7   | 8.7    | 6.0    | 3.9    | 6.0    | 5.4    | 2.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P945484

CATALOG NUMBER: GLAN-SB1B-935-U-AFL

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 998.5  | 0°    | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 | 998.5 |
| 1001.8 | 2.5°  | 987.2 | 962.9 | 938.8 | 916.7 | 903.3 | 894.7 | 886.0 | 876.4 | 872.6 | 867.1 |
| 1004.5 | 5°    | 977.3 | 930.3 | 888.5 | 852.5 | 819.7 | 793.9 | 768.0 | 747.0 | 737.5 | 743.9 |
| 1012.9 | 7.5°  | 971.5 | 903.5 | 839.1 | 772.9 | 709.3 | 658.4 | 614.1 | 583.0 | 569.0 | 572.5 |
| 1021.2 | 10°   | 966.4 | 873.3 | 775.0 | 670.5 | 579.1 | 516.0 | 470.7 | 447.0 | 438.2 | 440.0 |
| 1032.3 | 12.5° | 961.6 | 839.3 | 697.7 | 560.3 | 463.1 | 421.5 | 408.5 | 408.7 | 410.4 | 411.6 |
| 1050.0 | 15°   | 960.8 | 798.3 | 611.4 | 463.9 | 400.5 | 397.8 | 411.8 | 420.7 | 425.4 | 426.8 |
| 1064.8 | 17.5° | 959.6 | 749.2 | 523.5 | 398.2 | 385.2 | 403.4 | 416.3 | 422.1 | 425.8 | 426.0 |
| 1079.3 | 20°   | 954.6 | 687.0 | 442.3 | 366.9 | 381.9 | 397.6 | 405.6 | 410.2 | 413.2 | 414.3 |
| 1090.2 | 22.5° | 939.4 | 617.8 | 379.1 | 352.9 | 368.8 | 381.3 | 390.8 | 395.9 | 397.8 | 399.0 |
| 1092.2 | 25°   | 912.0 | 540.4 | 335.4 | 339.5 | 350.4 | 366.3 | 373.9 | 374.9 | 374.3 | 376.2 |
| 1087.1 | 27.5° | 876.1 | 457.3 | 308.2 | 321.4 | 335.4 | 349.0 | 353.1 | 352.5 | 351.2 | 353.3 |
| 1078.2 | 30°   | 832.9 | 382.8 | 290.9 | 301.0 | 320.1 | 332.5 | 336.2 | 334.8 | 332.3 | 334.6 |
| 1073.7 | 32.5° | 787.1 | 321.8 | 276.7 | 286.8 | 307.6 | 319.7 | 323.4 | 322.0 | 320.1 | 322.0 |
| 1078.9 | 35°   | 744.5 | 279.1 | 263.5 | 277.3 | 297.7 | 309.6 | 314.4 | 314.6 | 314.6 | 316.8 |
| 1092.5 | 37.5° | 705.4 | 254.2 | 252.6 | 271.3 | 290.9 | 301.6 | 308.4 | 308.8 | 299.9 | 300.6 |
| 1115.5 | 40°   | 669.1 | 243.7 | 247.6 | 267.4 | 284.3 | 294.6 | 295.0 | 271.9 | 255.7 | 255.2 |
| 1141.9 | 42.5° | 639.4 | 241.6 | 249.1 | 267.0 | 279.6 | 280.0 | 250.9 | 233.0 | 228.5 | 228.7 |
| 1166.2 | 45°   | 611.6 | 241.0 | 252.4 | 267.0 | 272.5 | 241.9 | 222.3 | 217.5 | 218.0 | 219.6 |
| 1177.1 | 47.5° | 580.5 | 238.6 | 253.0 | 263.3 | 252.4 | 215.1 | 209.3 | 207.2 | 206.4 | 206.8 |
| 1174.6 | 50°   | 546.5 | 229.7 | 245.1 | 255.9 | 217.7 | 203.5 | 196.3 | 195.7 | 196.7 | 197.4 |
| 1160.8 | 52.5° | 510.7 | 215.3 | 231.8 | 242.5 | 201.9 | 193.4 | 185.4 | 186.8 | 191.4 | 192.8 |
| 1146.4 | 55°   | 487.2 | 198.4 | 214.0 | 215.7 | 190.8 | 184.0 | 177.2 | 180.5 | 188.9 | 191.6 |
| 1137.8 | 57.5° | 481.0 | 180.5 | 193.9 | 192.0 | 176.5 | 175.7 | 171.6 | 174.5 | 185.2 | 189.1 |
| 1137.4 | 60°   | 479.2 | 164.4 | 174.1 | 172.6 | 162.7 | 166.7 | 165.6 | 167.1 | 170.8 | 172.0 |
| 1133.2 | 62.5° | 464.7 | 151.6 | 156.4 | 154.3 | 150.4 | 157.2 | 159.7 | 156.6 | 159.4 | 160.9 |
| 1105.0 | 65°   | 428.1 | 141.3 | 139.1 | 137.6 | 139.3 | 145.4 | 150.4 | 144.2 | 146.9 | 151.0 |
| 996.2  | 67.5° | 367.5 | 127.3 | 121.1 | 122.8 | 127.9 | 131.2 | 137.6 | 130.6 | 132.9 | 139.9 |
| 802.4  | 70°   | 297.3 | 109.6 | 104.0 | 108.8 | 113.7 | 120.5 | 121.5 | 116.8 | 122.2 | 130.0 |
| 489.7  | 72.5° | 210.3 | 91.7  | 87.8  | 97.4  | 99.1  | 107.9 | 105.7 | 103.4 | 110.8 | 113.5 |
| 242.1  | 75°   | 145.9 | 74.0  | 71.7  | 79.1  | 85.1  | 92.7  | 91.1  | 93.7  | 109.4 | 110.6 |
| 120.9  | 77.5° | 92.3  | 57.5  | 56.0  | 60.8  | 69.0  | 77.5  | 80.1  | 110.6 | 186.8 | 194.3 |
| 62.8   | 80°   | 53.6  | 42.8  | 41.2  | 44.9  | 52.1  | 59.9  | 77.3  | 135.8 | 123.2 | 121.7 |
| 28.2   | 82.5° | 29.9  | 29.5  | 27.4  | 28.4  | 34.8  | 43.3  | 109.2 | 95.6  | 77.7  | 80.1  |
| 11.3   | 85°   | 14.0  | 17.3  | 14.8  | 14.2  | 19.6  | 50.7  | 72.9  | 54.6  | 36.3  | 35.4  |
| 2.5    | 87.5° | 3.7   | 3.3   | 3.3   | 3.7   | 8.2   | 43.7  | 29.0  | 23.3  | 13.8  | 13.4  |
| 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



