

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: P945589

Luminaire Tested: **GLAN-SB1C-730-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945589  
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-SB1C-730-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7619 lumens  
Efficiency: N/A  
Efficacy: 140.1 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): 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

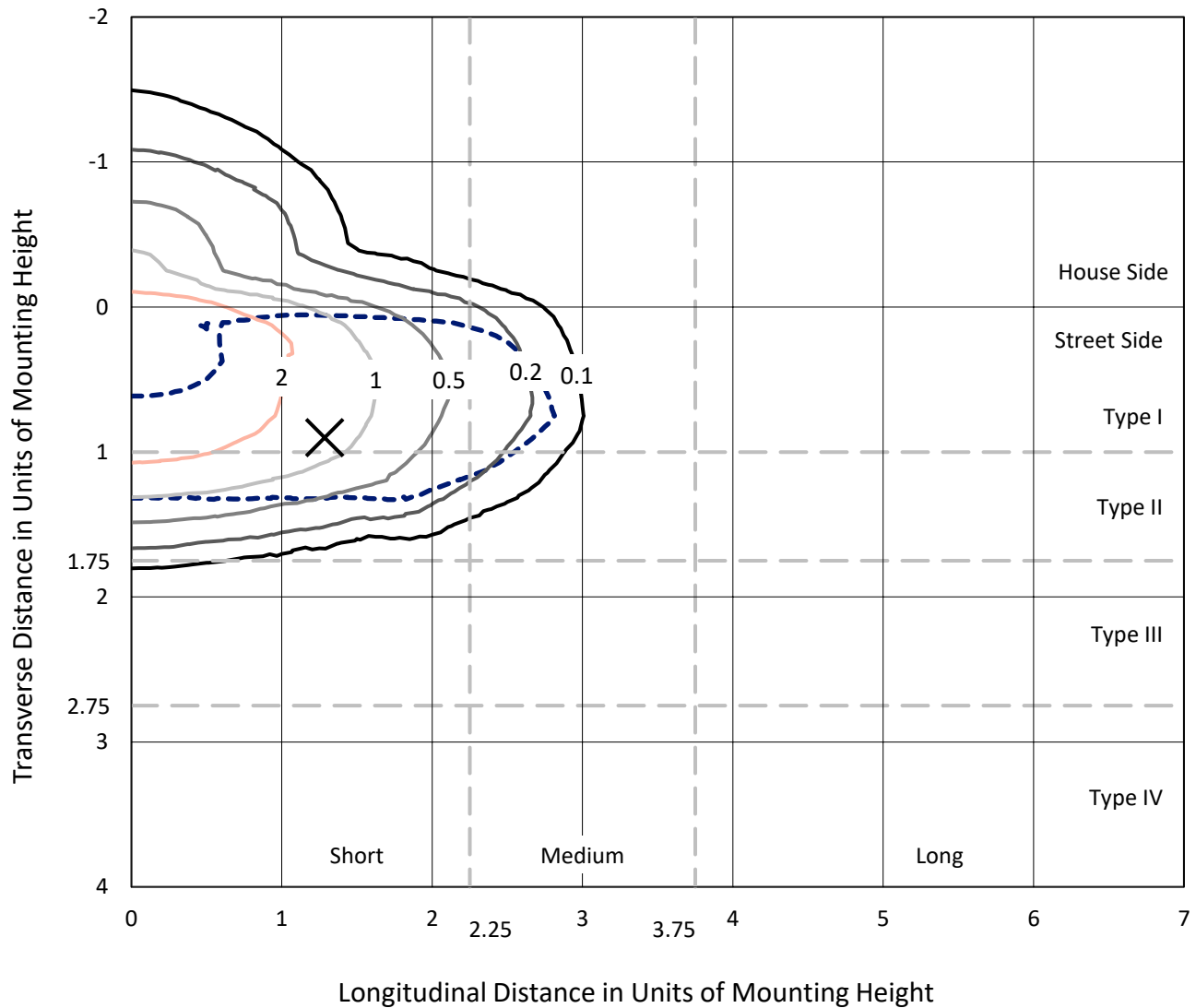


REPORT NUMBER: P945589

CATALOG NUMBER: GLAN-SB1C-730-U-AFL

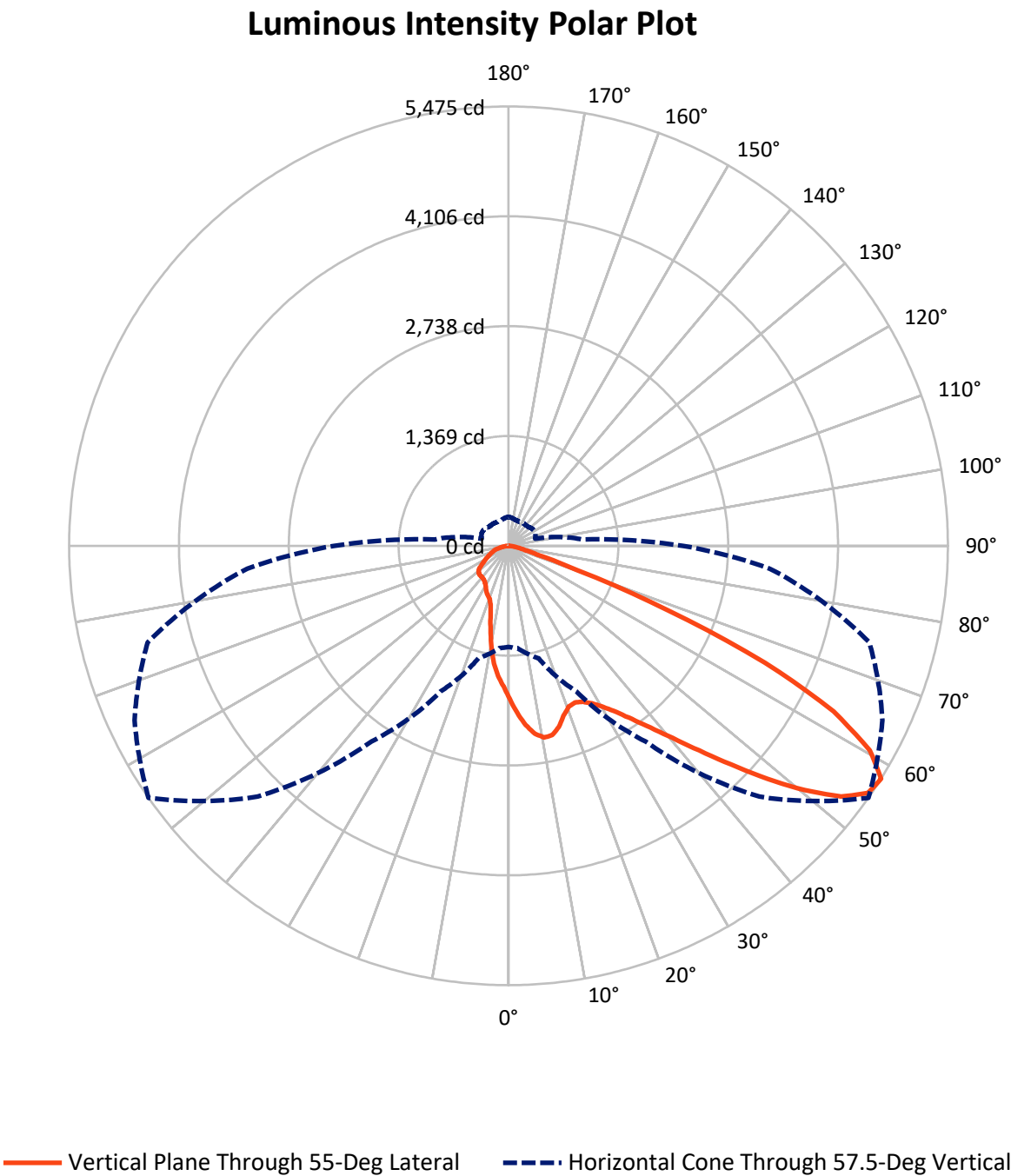
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
Type II - Short - N/A

REPORT NUMBER: P945589  
CATALOG NUMBER: GLAN-SB1C-730-U-AFL



REPORT NUMBER: P945589

CATALOG NUMBER: GLAN-SB1C-730-U-AFL

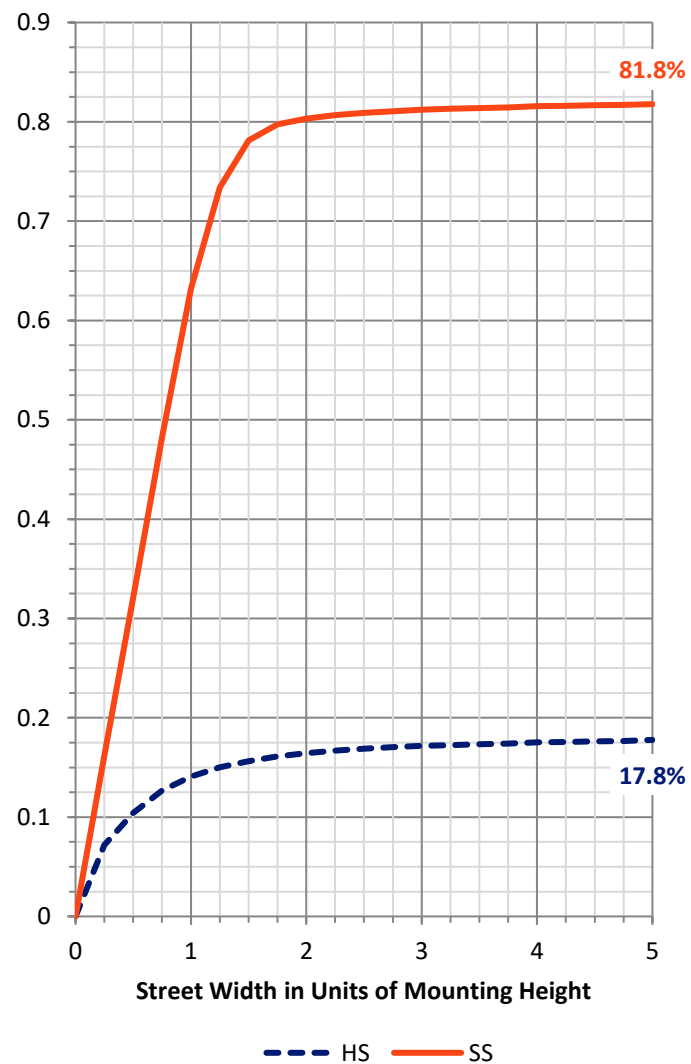
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1378.6   | 0.0    | 1378.6 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 6240.4   | 0.0    | 6240.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 7619.0   | 0.0    | 7619.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 177.1  | 2.3       |
| 10°-20°   | 447.1  | 5.9       |
| 20°-30°   | 713.5  | 9.4       |
| 30°-40°   | 1129.6 | 14.8      |
| 40°-50°   | 1729.0 | 22.7      |
| 50°-60°   | 1852.0 | 24.3      |
| 60°-70°   | 1165.1 | 15.3      |
| 70°-80°   | 344.5  | 4.5       |
| 80°-90°   | 60.9   | 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°    | 7619.0 | 100.0     |
| 0°-180°   | 7619.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945589

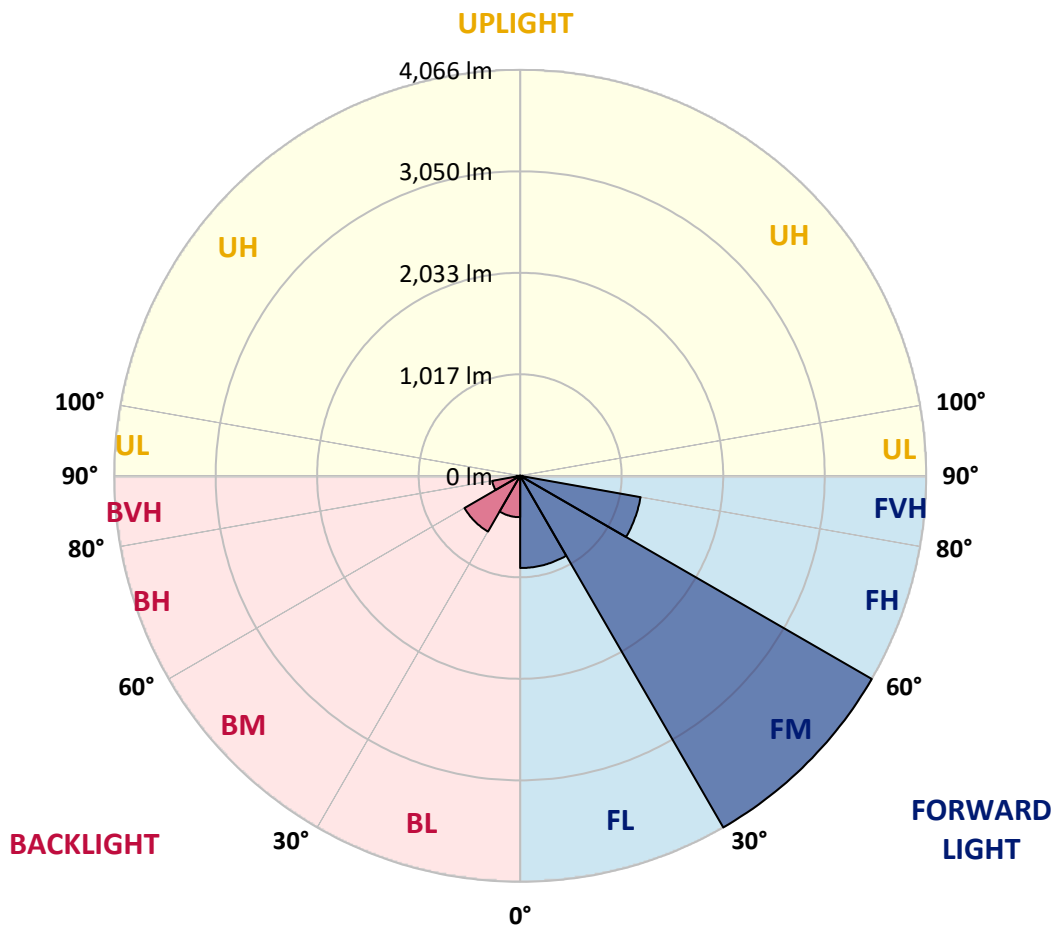
CATALOG NUMBER: GLAN-SB1C-730-U-AFL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 923.4  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 4066.3 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 1224.9 | 16.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 25.7   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 414.4  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 644.4  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 284.7  | 3.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 35.2   | 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: P945589

CATALOG NUMBER: GLAN-SB1C-730-U-AFL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 |
| 2.5°  | 2190.3 | 2188.7 | 2197.4 | 2167.8 | 2147.8 | 2120.6 | 2084.7 | 2039.1 | 1989.8 | 1937.8 |
| 5°    | 2387.6 | 2373.8 | 2382.9 | 2360.8 | 2338.8 | 2297.8 | 2244.6 | 2170.2 | 2079.2 | 1975.6 |
| 7.5°  | 2356.5 | 2347.1 | 2370.3 | 2390.0 | 2406.5 | 2401.4 | 2362.4 | 2284.4 | 2167.1 | 2016.6 |
| 10°   | 2105.6 | 2095.0 | 2127.7 | 2195.8 | 2295.9 | 2382.9 | 2430.2 | 2381.7 | 2256.9 | 2061.5 |
| 12.5° | 1884.3 | 1879.1 | 1900.8 | 1955.9 | 2067.0 | 2234.0 | 2421.5 | 2466.8 | 2350.2 | 2114.7 |
| 15°   | 1789.7 | 1783.4 | 1797.2 | 1825.2 | 1896.1 | 2051.7 | 2342.7 | 2525.1 | 2442.0 | 2176.1 |
| 17.5° | 1768.9 | 1761.8 | 1767.7 | 1782.2 | 1827.9 | 1946.5 | 2223.8 | 2553.8 | 2537.7 | 2244.6 |
| 20°   | 1807.5 | 1801.5 | 1802.3 | 1801.5 | 1833.5 | 1927.6 | 2141.1 | 2542.8 | 2621.2 | 2307.7 |
| 22.5° | 1900.8 | 1891.0 | 1891.4 | 1870.5 | 1887.8 | 1960.7 | 2119.4 | 2513.3 | 2695.6 | 2362.8 |
| 25°   | 2052.8 | 2035.1 | 2038.7 | 1985.5 | 1980.8 | 2034.7 | 2153.3 | 2490.4 | 2769.7 | 2406.9 |
| 27.5° | 2260.8 | 2240.7 | 2230.1 | 2150.9 | 2113.1 | 2139.9 | 2222.2 | 2498.3 | 2839.8 | 2445.1 |
| 30°   | 2520.7 | 2496.3 | 2474.7 | 2362.4 | 2293.9 | 2284.0 | 2329.3 | 2550.3 | 2922.5 | 2485.3 |
| 32.5° | 2839.4 | 2811.0 | 2771.6 | 2622.8 | 2526.3 | 2474.7 | 2468.0 | 2642.8 | 3019.4 | 2536.5 |
| 35°   | 3218.7 | 3181.7 | 3125.7 | 2933.1 | 2811.0 | 2705.5 | 2650.7 | 2776.4 | 3152.1 | 2613.7 |
| 37.5° | 3609.4 | 3567.6 | 3516.4 | 3287.2 | 3137.2 | 2981.6 | 2873.7 | 2957.5 | 3329.0 | 2718.5 |
| 40°   | 3969.8 | 3922.9 | 3875.3 | 3671.2 | 3510.1 | 3322.7 | 3146.6 | 3186.8 | 3545.2 | 2843.7 |
| 42.5° | 4182.5 | 4147.8 | 4129.7 | 4019.4 | 3895.0 | 3704.7 | 3486.1 | 3458.5 | 3788.2 | 2987.9 |
| 45°   | 4173.0 | 4158.8 | 4214.8 | 4260.5 | 4230.9 | 4125.4 | 3883.9 | 3759.1 | 4032.0 | 3112.7 |
| 47.5° | 3950.1 | 3959.5 | 4084.4 | 4341.2 | 4454.2 | 4509.4 | 4336.9 | 4054.1 | 4243.9 | 3206.1 |
| 50°   | 3343.5 | 3351.4 | 3640.5 | 4194.3 | 4511.7 | 4822.5 | 4786.3 | 4342.0 | 4408.2 | 3263.2 |
| 52.5° | 2863.4 | 2868.5 | 2992.6 | 3758.7 | 4321.9 | 4980.1 | 5191.2 | 4613.4 | 4528.3 | 3278.9 |
| 55°   | 2156.8 | 2174.5 | 2313.6 | 2948.9 | 3828.0 | 4855.2 | 5437.7 | 4893.0 | 4604.3 | 3280.5 |
| 57.5° | 1260.0 | 1279.3 | 1451.0 | 2001.6 | 2975.3 | 4420.0 | 5475.1 | 5141.1 | 4655.9 | 3267.9 |
| 60°   | 617.2  | 625.5  | 700.3  | 1052.0 | 1834.6 | 3581.4 | 5174.2 | 5261.3 | 4684.7 | 3261.2 |
| 62.5° | 415.9  | 414.7  | 417.9  | 519.1  | 903.9  | 2301.0 | 4547.2 | 5051.0 | 4669.3 | 3235.6 |
| 65°   | 357.6  | 353.3  | 341.5  | 364.3  | 468.3  | 1052.4 | 3513.3 | 4423.1 | 4552.3 | 3171.4 |
| 67.5° | 309.2  | 309.6  | 310.0  | 302.9  | 334.4  | 485.6  | 2147.0 | 3484.1 | 4132.5 | 2867.4 |
| 70°   | 256.0  | 259.6  | 261.1  | 261.1  | 272.6  | 318.6  | 916.5  | 2388.0 | 3259.6 | 2248.2 |
| 72.5° | 233.2  | 225.7  | 226.5  | 222.5  | 222.5  | 242.6  | 369.1  | 1353.7 | 2053.6 | 1264.7 |
| 75°   | 190.2  | 195.0  | 195.8  | 193.0  | 183.9  | 185.1  | 219.0  | 568.0  | 878.7  | 524.6  |
| 77.5° | 164.2  | 164.2  | 165.8  | 163.8  | 156.8  | 138.6  | 146.1  | 220.2  | 298.9  | 215.1  |
| 80°   | 131.9  | 131.6  | 138.2  | 142.2  | 131.2  | 102.4  | 93.3   | 121.7  | 132.7  | 94.5   |
| 82.5° | 64.2   | 68.1   | 94.9   | 108.3  | 99.6   | 74.0   | 57.1   | 75.6   | 70.9   | 41.7   |
| 85°   | 37.4   | 35.4   | 42.5   | 60.3   | 57.1   | 41.0   | 27.6   | 39.4   | 37.0   | 21.3   |
| 87.5° | 11.8   | 11.0   | 8.7    | 20.5   | 16.5   | 11.4   | 7.5    | 11.4   | 10.2   | 4.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P945589

CATALOG NUMBER: GLAN-SB1C-730-U-AFL

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1909.1 | 0°    | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 | 1909.1 |
| 1915.4 | 2.5°  | 1887.4 | 1840.9 | 1794.9 | 1752.7 | 1727.1 | 1710.6 | 1694.0 | 1675.5 | 1668.4 | 1657.8 |
| 1920.5 | 5°    | 1868.5 | 1778.7 | 1698.7 | 1629.8 | 1567.2 | 1518.0 | 1468.3 | 1428.2 | 1410.0 | 1422.3 |
| 1936.6 | 7.5°  | 1857.5 | 1727.5 | 1604.2 | 1477.8 | 1356.1 | 1258.8 | 1174.1 | 1114.6 | 1087.9 | 1094.6 |
| 1952.4 | 10°   | 1847.6 | 1669.6 | 1481.7 | 1282.0 | 1107.2 | 986.6  | 900.0  | 854.7  | 837.8  | 841.3  |
| 1973.7 | 12.5° | 1838.6 | 1604.6 | 1334.0 | 1071.3 | 885.4  | 805.9  | 781.0  | 781.4  | 784.6  | 786.9  |
| 2007.5 | 15°   | 1837.0 | 1526.2 | 1169.0 | 887.0  | 765.7  | 760.6  | 787.3  | 804.3  | 813.3  | 816.1  |
| 2035.9 | 17.5° | 1834.6 | 1432.5 | 1000.8 | 761.3  | 736.5  | 771.2  | 796.0  | 807.0  | 814.1  | 814.5  |
| 2063.5 | 20°   | 1825.2 | 1313.5 | 845.6  | 701.5  | 730.2  | 760.2  | 775.5  | 784.2  | 790.1  | 792.1  |
| 2084.3 | 22.5° | 1796.0 | 1181.2 | 724.7  | 674.7  | 705.0  | 729.0  | 747.2  | 757.0  | 760.6  | 762.9  |
| 2088.3 | 25°   | 1743.6 | 1033.1 | 641.2  | 649.1  | 670.0  | 700.3  | 714.9  | 716.8  | 715.7  | 719.2  |
| 2078.4 | 27.5° | 1675.1 | 874.4  | 589.2  | 614.4  | 641.2  | 667.2  | 675.1  | 673.9  | 671.5  | 675.5  |
| 2061.5 | 30°   | 1592.4 | 731.8  | 556.1  | 575.4  | 612.1  | 635.7  | 642.8  | 640.0  | 635.3  | 639.6  |
| 2052.8 | 32.5° | 1505.0 | 615.2  | 529.0  | 548.3  | 588.0  | 611.3  | 618.4  | 615.6  | 612.1  | 615.6  |
| 2062.7 | 35°   | 1423.4 | 533.7  | 503.8  | 530.1  | 569.1  | 592.0  | 601.0  | 601.4  | 601.4  | 605.8  |
| 2088.7 | 37.5° | 1348.6 | 486.0  | 482.9  | 518.7  | 556.1  | 576.6  | 589.6  | 590.4  | 573.5  | 574.7  |
| 2132.8 | 40°   | 1279.3 | 465.9  | 473.4  | 511.2  | 543.5  | 563.2  | 564.0  | 519.9  | 488.8  | 488.0  |
| 2183.2 | 42.5° | 1222.6 | 462.0  | 476.2  | 510.5  | 534.5  | 535.3  | 479.7  | 445.5  | 436.8  | 437.2  |
| 2229.7 | 45°   | 1169.4 | 460.8  | 482.5  | 510.5  | 521.1  | 462.4  | 425.0  | 415.9  | 416.7  | 419.9  |
| 2250.6 | 47.5° | 1109.9 | 456.1  | 483.7  | 503.4  | 482.5  | 411.2  | 400.2  | 396.2  | 394.7  | 395.4  |
| 2245.8 | 50°   | 1044.9 | 439.2  | 468.7  | 489.2  | 416.3  | 389.1  | 375.4  | 374.2  | 376.1  | 377.3  |
| 2219.4 | 52.5° | 976.4  | 411.6  | 443.1  | 463.6  | 386.0  | 369.8  | 354.5  | 357.2  | 365.9  | 368.7  |
| 2191.9 | 55°   | 931.5  | 379.3  | 409.2  | 412.4  | 364.7  | 351.7  | 338.7  | 345.0  | 361.2  | 366.3  |
| 2175.3 | 57.5° | 919.7  | 345.0  | 370.6  | 367.1  | 337.5  | 336.0  | 328.1  | 333.6  | 354.1  | 361.6  |
| 2174.5 | 60°   | 916.1  | 314.3  | 332.8  | 330.1  | 311.2  | 318.6  | 316.7  | 319.4  | 326.5  | 328.9  |
| 2166.7 | 62.5° | 888.6  | 289.9  | 298.9  | 295.0  | 287.5  | 300.5  | 305.2  | 299.3  | 304.9  | 307.6  |
| 2112.7 | 65°   | 818.5  | 270.2  | 265.9  | 263.1  | 266.3  | 278.1  | 287.5  | 275.7  | 280.8  | 288.7  |
| 1904.7 | 67.5° | 702.7  | 243.4  | 231.6  | 234.7  | 244.6  | 250.9  | 263.1  | 249.7  | 254.0  | 267.4  |
| 1534.1 | 70°   | 568.4  | 209.5  | 198.9  | 208.0  | 217.4  | 230.4  | 232.4  | 223.3  | 233.6  | 248.5  |
| 936.2  | 72.5° | 402.1  | 175.3  | 167.8  | 186.3  | 189.5  | 206.4  | 202.1  | 197.7  | 211.9  | 217.0  |
| 462.8  | 75°   | 278.9  | 141.4  | 137.1  | 151.2  | 162.7  | 177.2  | 174.1  | 179.2  | 209.1  | 211.5  |
| 231.2  | 77.5° | 176.5  | 109.9  | 107.1  | 116.2  | 131.9  | 148.1  | 153.2  | 211.5  | 357.2  | 371.4  |
| 120.1  | 80°   | 102.4  | 81.9   | 78.8   | 85.9   | 99.6   | 114.6  | 147.7  | 259.6  | 235.5  | 232.8  |
| 54.0   | 82.5° | 57.1   | 56.3   | 52.4   | 54.4   | 66.6   | 82.7   | 208.7  | 182.8  | 148.5  | 153.2  |
| 21.7   | 85°   | 26.8   | 33.1   | 28.4   | 27.2   | 37.4   | 96.9   | 139.4  | 104.4  | 69.3   | 67.7   |
| 4.7    | 87.5° | 7.1    | 6.3    | 6.3    | 7.1    | 15.8   | 83.5   | 55.5   | 44.5   | 26.4   | 25.6   |
| 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

