

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: FAIL-SAFE

Report Number: P835169

Luminaire Tested: **ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD**

Issue Date: 5/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P835169  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD  
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2  
Light Source: 2000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

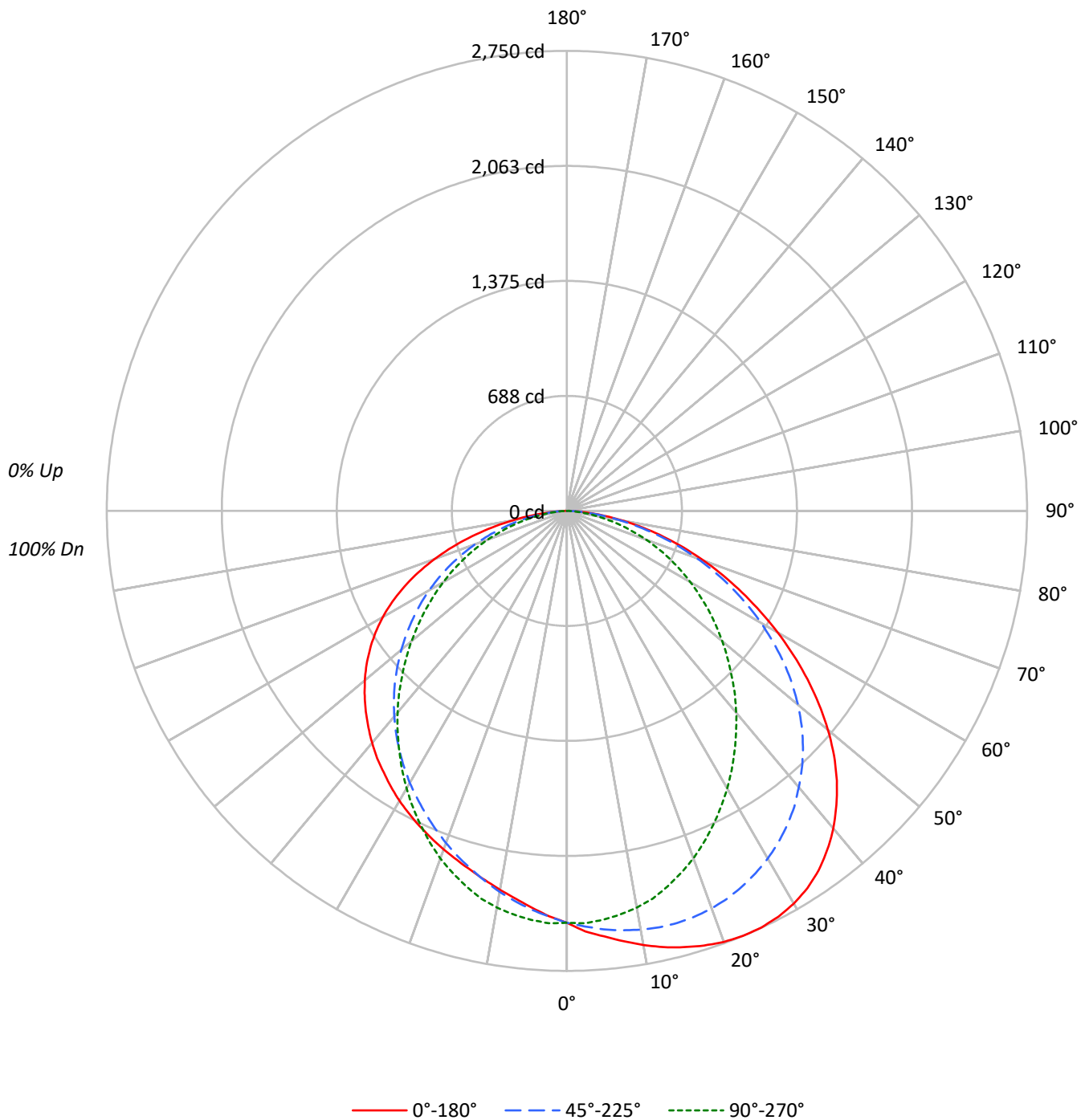
Lumens per Lamp: N/A  
Luminaire Lumens: 7241.6 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.17 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 99.9  
Input Voltage (V): 120  
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: 28.75 FT

TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  | 94  | 91  | 88  | 90  | 88  | 86  | 86  | 86  | 84  |
| 2   | 99  | 90  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 72  | 72  | 72  | 70  |
| 3   | 90  | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 61  | 61  | 58  |
| 4   | 82  | 70  | 61  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 53  | 64  | 58  | 53  | 62  | 56  | 52  | 52  | 52  | 50  |
| 5   | 76  | 63  | 54  | 47  | 73  | 61  | 53  | 47  | 59  | 52  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 45  | 45  | 43  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 40  | 40  | 40  | 37  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 35  | 35  | 33  |
| 8   | 60  | 46  | 38  | 32  | 59  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 31  | 31  | 29  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 28  | 39  | 33  | 28  | 28  | 28  | 26  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 26  | 26  | 26  | 24  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° |
|-----|------|------|------|
| 0°  | 6625 | 6625 | 6625 |
| 5°  | 6897 | 6628 | 6432 |
| 10° | 7199 | 6578 | 6283 |
| 15° | 7523 | 6473 | 6193 |
| 20° | 7851 | 6330 | 6167 |
| 25° | 8160 | 6146 | 6177 |
| 30° | 8425 | 5954 | 6217 |
| 35° | 8618 | 5742 | 6268 |
| 40° | 8705 | 5529 | 6361 |
| 45° | 8681 | 5296 | 6465 |
| 50° | 8526 | 5073 | 6598 |
| 55° | 8235 | 4840 | 6736 |
| 60° | 7834 | 4590 | 6838 |
| 65° | 7356 | 4310 | 6829 |
| 70° | 6846 | 3976 | 6626 |
| 75° | 6215 | 3491 | 6109 |
| 80° | 5337 | 2868 | 5154 |
| 85° | 4069 | 1961 | 3538 |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 233.5  | 3.2       |
| 10°-20°   | 674.3  | 9.3       |
| 20°-30°   | 1033.0 | 14.3      |
| 30°-40°   | 1260.6 | 17.4      |
| 40°-50°   | 1318.3 | 18.2      |
| 50°-60°   | 1193.2 | 16.5      |
| 60°-70°   | 903.7  | 12.5      |
| 70°-80°   | 503.6  | 7.0       |
| 80°-90°   | 121.5  | 1.7       |
| 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°-30°    | 1940.8 | 26.8      |
| 0°-40°    | 3201.4 | 44.2      |
| 0°-60°    | 5712.9 | 78.9      |
| 0°-90°    | 7241.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7241.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2462 | 2462 | 2462 | 2462 | 2462 |      |
| 5°  | 2553 | 2511 | 2454 | 2394 | 2381 | 246  |
| 15° | 2700 | 2550 | 2324 | 2215 | 2223 | 766  |
| 25° | 2748 | 2478 | 2070 | 1997 | 2080 | 1268 |
| 35° | 2623 | 2294 | 1748 | 1746 | 1908 | 1638 |
| 45° | 2281 | 1995 | 1392 | 1453 | 1699 | 1755 |
| 55° | 1755 | 1585 | 1032 | 1122 | 1436 | 1566 |
| 65° | 1155 | 1086 | 677  | 770  | 1072 | 1146 |
| 75° | 598  | 564  | 336  | 401  | 588  | 634  |
| 85° | 132  | 116  | 64   | 85   | 115  | 159  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 |
| 2.5°  | 2516.2 | 2504.4 | 2494.7 | 2498.4 | 2500.6 | 2493.1 | 2486.6 | 2487.7 | 2481.2 | 2493.6 | 2464.5 |
| 5°    | 2553.3 | 2542.6 | 2531.3 | 2535.6 | 2531.3 | 2520.0 | 2510.8 | 2508.1 | 2490.9 | 2497.9 | 2468.3 |
| 7.5°  | 2594.8 | 2582.9 | 2566.3 | 2571.1 | 2561.9 | 2541.0 | 2529.1 | 2522.1 | 2495.8 | 2496.3 | 2463.5 |
| 10°   | 2634.6 | 2624.4 | 2601.8 | 2605.0 | 2588.3 | 2560.3 | 2541.5 | 2531.8 | 2494.7 | 2489.3 | 2455.4 |
| 12.5° | 2671.7 | 2657.7 | 2633.5 | 2635.1 | 2610.9 | 2573.8 | 2549.6 | 2535.6 | 2487.1 | 2471.0 | 2437.6 |
| 15°   | 2700.2 | 2686.8 | 2657.7 | 2657.2 | 2626.0 | 2577.6 | 2550.1 | 2530.7 | 2469.4 | 2444.1 | 2409.1 |
| 17.5° | 2724.5 | 2712.1 | 2676.0 | 2674.9 | 2637.3 | 2575.9 | 2543.1 | 2518.9 | 2443.6 | 2412.4 | 2373.6 |
| 20°   | 2741.7 | 2729.3 | 2688.9 | 2685.2 | 2640.0 | 2567.9 | 2528.6 | 2497.9 | 2409.7 | 2372.5 | 2329.5 |
| 22.5° | 2749.7 | 2737.4 | 2691.6 | 2686.2 | 2633.5 | 2551.7 | 2507.6 | 2471.5 | 2370.9 | 2322.5 | 2277.8 |
| 25°   | 2748.1 | 2736.3 | 2684.6 | 2679.3 | 2621.1 | 2527.5 | 2478.0 | 2436.6 | 2321.9 | 2264.9 | 2220.8 |
| 27.5° | 2734.7 | 2725.5 | 2671.2 | 2664.2 | 2598.5 | 2494.7 | 2441.9 | 2396.2 | 2267.6 | 2204.1 | 2156.2 |
| 30°   | 2711.5 | 2704.5 | 2647.0 | 2640.5 | 2570.6 | 2458.6 | 2400.0 | 2347.2 | 2208.9 | 2137.4 | 2088.9 |
| 32.5° | 2674.4 | 2668.0 | 2609.8 | 2603.9 | 2532.9 | 2412.4 | 2351.0 | 2296.7 | 2144.9 | 2065.8 | 2017.4 |
| 35°   | 2623.3 | 2619.5 | 2563.0 | 2556.6 | 2484.5 | 2359.6 | 2294.5 | 2234.8 | 2078.2 | 1988.9 | 1942.6 |
| 37.5° | 2556.0 | 2556.0 | 2501.7 | 2494.7 | 2424.2 | 2295.0 | 2231.0 | 2167.5 | 2002.8 | 1908.1 | 1862.4 |
| 40°   | 2478.0 | 2485.0 | 2429.6 | 2422.6 | 2354.2 | 2225.6 | 2155.7 | 2088.9 | 1921.6 | 1823.1 | 1778.5 |
| 42.5° | 2384.4 | 2390.8 | 2344.5 | 2338.1 | 2274.1 | 2145.4 | 2080.3 | 2007.7 | 1836.6 | 1736.5 | 1690.2 |
| 45°   | 2281.1 | 2289.7 | 2248.2 | 2243.4 | 2183.7 | 2057.7 | 1995.3 | 1921.6 | 1747.8 | 1646.1 | 1600.9 |
| 47.5° | 2165.9 | 2177.2 | 2141.1 | 2138.5 | 2083.0 | 1967.9 | 1902.8 | 1828.0 | 1654.7 | 1551.9 | 1509.4 |
| 50°   | 2036.7 | 2052.9 | 2023.3 | 2023.3 | 1973.8 | 1859.2 | 1802.7 | 1727.9 | 1557.8 | 1455.1 | 1413.1 |
| 52.5° | 1898.5 | 1918.9 | 1896.8 | 1897.4 | 1857.0 | 1754.2 | 1695.6 | 1622.4 | 1456.7 | 1355.5 | 1316.8 |
| 55°   | 1755.3 | 1775.2 | 1761.2 | 1763.4 | 1731.6 | 1638.0 | 1584.7 | 1512.1 | 1353.3 | 1254.9 | 1218.3 |
| 57.5° | 1605.7 | 1627.2 | 1618.1 | 1622.4 | 1600.3 | 1516.4 | 1461.0 | 1397.5 | 1246.8 | 1149.4 | 1118.2 |
| 60°   | 1455.6 | 1476.0 | 1471.2 | 1477.1 | 1463.1 | 1390.5 | 1339.9 | 1274.2 | 1139.7 | 1046.1 | 1018.6 |
| 62.5° | 1303.8 | 1322.7 | 1321.6 | 1328.1 | 1320.5 | 1260.3 | 1215.1 | 1159.1 | 1028.9 | 942.8  | 917.5  |
| 65°   | 1155.3 | 1171.5 | 1170.4 | 1177.4 | 1175.8 | 1127.3 | 1086.4 | 1035.3 | 918.0  | 838.9  | 816.9  |
| 67.5° | 1011.1 | 1024.6 | 1020.8 | 1028.9 | 1031.0 | 992.3  | 956.8  | 911.0  | 812.5  | 735.6  | 716.8  |
| 70°   | 870.1  | 879.3  | 874.4  | 879.8  | 884.7  | 855.6  | 825.5  | 785.1  | 700.1  | 632.3  | 616.7  |
| 72.5° | 731.8  | 738.3  | 730.8  | 736.1  | 740.4  | 719.5  | 694.7  | 659.7  | 589.2  | 530.6  | 517.7  |
| 75°   | 597.8  | 607.0  | 591.4  | 596.8  | 600.0  | 579.0  | 564.5  | 536.0  | 475.2  | 430.0  | 421.3  |
| 77.5° | 468.2  | 473.5  | 464.9  | 462.8  | 464.9  | 449.9  | 438.6  | 416.5  | 370.8  | 333.6  | 328.2  |
| 80°   | 344.4  | 347.6  | 339.0  | 336.9  | 338.5  | 327.7  | 319.1  | 303.0  | 270.7  | 242.7  | 240.5  |
| 82.5° | 230.8  | 232.5  | 224.9  | 222.8  | 223.9  | 220.6  | 210.4  | 199.1  | 184.0  | 160.4  | 159.8  |
| 85°   | 131.8  | 131.8  | 126.5  | 124.3  | 125.4  | 120.0  | 116.2  | 110.3  | 104.4  | 88.3   | 89.3   |
| 87.5° | 48.4   | 48.4   | 45.7   | 45.2   | 50.6   | 44.7   | 43.0   | 40.4   | 42.0   | 33.4   | 35.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 | 2461.9 |
| 2.5°  | 2472.6 | 2467.2 | 2462.4 | 2445.7 | 2452.7 | 2435.5 | 2434.4 | 2428.0 | 2423.1 | 2414.0 | 2425.8 |
| 5°    | 2464.5 | 2453.8 | 2439.8 | 2419.9 | 2425.8 | 2405.4 | 2401.1 | 2393.5 | 2387.1 | 2375.2 | 2384.4 |
| 7.5°  | 2451.6 | 2433.9 | 2411.8 | 2386.5 | 2394.6 | 2369.3 | 2362.8 | 2354.8 | 2349.4 | 2335.4 | 2343.5 |
| 10°   | 2432.8 | 2407.5 | 2381.7 | 2351.0 | 2356.9 | 2329.5 | 2321.4 | 2312.8 | 2308.0 | 2295.6 | 2303.7 |
| 12.5° | 2403.7 | 2373.1 | 2338.1 | 2304.7 | 2311.2 | 2285.4 | 2274.6 | 2265.4 | 2263.8 | 2253.6 | 2263.3 |
| 15°   | 2366.1 | 2323.6 | 2287.5 | 2252.0 | 2259.5 | 2229.4 | 2224.6 | 2215.4 | 2218.1 | 2211.1 | 2222.9 |
| 17.5° | 2318.2 | 2269.2 | 2229.9 | 2191.7 | 2199.3 | 2174.0 | 2170.2 | 2165.9 | 2168.6 | 2167.5 | 2180.4 |
| 20°   | 2264.4 | 2210.6 | 2165.4 | 2127.7 | 2132.0 | 2112.1 | 2113.7 | 2112.6 | 2118.0 | 2123.9 | 2141.7 |
| 22.5° | 2203.6 | 2142.8 | 2095.4 | 2056.7 | 2063.1 | 2045.9 | 2053.4 | 2055.6 | 2064.7 | 2078.2 | 2100.8 |
| 25°   | 2135.2 | 2070.1 | 2020.6 | 1984.0 | 1989.9 | 1978.6 | 1991.5 | 1996.9 | 2011.5 | 2034.1 | 2057.2 |
| 27.5° | 2063.7 | 1994.8 | 1942.0 | 1907.1 | 1918.4 | 1907.1 | 1926.4 | 1937.2 | 1959.3 | 1984.0 | 2012.5 |
| 30°   | 1987.8 | 1916.2 | 1861.9 | 1830.7 | 1841.4 | 1831.2 | 1862.4 | 1876.9 | 1899.0 | 1932.9 | 1966.8 |
| 32.5° | 1908.1 | 1832.8 | 1779.5 | 1755.3 | 1762.9 | 1761.2 | 1796.2 | 1812.4 | 1842.0 | 1880.7 | 1916.8 |
| 35°   | 1826.3 | 1747.8 | 1694.0 | 1673.5 | 1682.7 | 1684.8 | 1726.8 | 1745.6 | 1777.9 | 1824.7 | 1863.5 |
| 37.5° | 1741.9 | 1661.7 | 1609.0 | 1592.3 | 1600.3 | 1608.4 | 1657.4 | 1676.2 | 1712.8 | 1763.9 | 1806.4 |
| 40°   | 1654.2 | 1574.0 | 1522.3 | 1508.9 | 1516.9 | 1525.5 | 1578.8 | 1604.6 | 1644.5 | 1699.9 | 1746.2 |
| 42.5° | 1565.4 | 1485.2 | 1435.1 | 1425.5 | 1433.5 | 1450.2 | 1506.7 | 1530.9 | 1572.9 | 1634.2 | 1685.4 |
| 45°   | 1475.0 | 1391.6 | 1348.0 | 1340.4 | 1349.0 | 1368.4 | 1423.8 | 1452.9 | 1497.6 | 1564.8 | 1619.7 |
| 47.5° | 1383.5 | 1302.2 | 1260.8 | 1256.0 | 1264.6 | 1286.1 | 1347.4 | 1373.8 | 1421.2 | 1492.7 | 1551.9 |
| 50°   | 1290.9 | 1211.8 | 1172.0 | 1170.4 | 1178.5 | 1201.6 | 1260.3 | 1291.5 | 1340.4 | 1420.6 | 1481.4 |
| 52.5° | 1197.3 | 1121.4 | 1085.4 | 1085.4 | 1092.9 | 1116.6 | 1175.8 | 1208.1 | 1258.6 | 1343.1 | 1410.4 |
| 55°   | 1103.7 | 1031.6 | 997.1  | 999.8  | 1010.6 | 1031.0 | 1088.6 | 1122.5 | 1173.6 | 1261.3 | 1332.4 |
| 57.5° | 1010.0 | 941.7  | 910.5  | 914.3  | 924.5  | 944.9  | 1001.4 | 1039.6 | 1085.9 | 1176.8 | 1249.5 |
| 60°   | 917.5  | 852.9  | 825.5  | 829.8  | 838.9  | 859.4  | 918.0  | 950.8  | 997.1  | 1089.7 | 1162.3 |
| 62.5° | 823.8  | 765.2  | 739.4  | 744.7  | 752.8  | 773.3  | 828.7  | 860.4  | 906.2  | 997.1  | 1070.3 |
| 65°   | 731.3  | 676.9  | 654.9  | 660.3  | 667.8  | 686.6  | 738.8  | 769.5  | 813.1  | 901.9  | 971.8  |
| 67.5° | 639.8  | 590.3  | 572.0  | 577.4  | 583.3  | 601.1  | 644.1  | 677.5  | 718.4  | 802.9  | 869.0  |
| 70°   | 549.4  | 505.3  | 489.1  | 494.5  | 499.9  | 516.0  | 553.7  | 584.4  | 622.1  | 699.5  | 760.9  |
| 72.5° | 460.1  | 417.0  | 409.0  | 413.8  | 418.1  | 432.1  | 468.2  | 492.4  | 525.2  | 594.1  | 646.8  |
| 75°   | 372.9  | 335.8  | 330.4  | 335.2  | 339.0  | 349.8  | 379.9  | 400.9  | 428.3  | 488.1  | 531.1  |
| 77.5° | 289.0  | 257.8  | 255.6  | 259.4  | 263.1  | 270.7  | 294.3  | 316.4  | 337.9  | 382.1  | 420.3  |
| 80°   | 210.4  | 185.1  | 185.1  | 188.9  | 187.8  | 196.9  | 213.6  | 231.4  | 247.0  | 278.7  | 306.7  |
| 82.5° | 138.8  | 118.9  | 121.6  | 124.3  | 125.9  | 129.7  | 139.9  | 153.4  | 163.0  | 182.4  | 200.7  |
| 85°   | 76.9   | 63.5   | 66.2   | 68.3   | 67.3   | 71.6   | 76.9   | 85.0   | 89.9   | 99.0   | 108.7  |
| 87.5° | 28.5   | 23.7   | 24.2   | 25.8   | 26.9   | 29.1   | 29.1   | 33.9   | 34.4   | 35.5   | 37.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835169

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-6STD-20-120-EDD

**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 170°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 2461.9 | 2461.9 | 2461.9 |
| 2.5°  | 2403.2 | 2416.1 | 2425.8 |
| 5°    | 2361.8 | 2372.5 | 2381.1 |
| 7.5°  | 2321.4 | 2331.1 | 2338.6 |
| 10°   | 2283.2 | 2294.0 | 2299.3 |
| 12.5° | 2243.9 | 2256.3 | 2260.6 |
| 15°   | 2205.2 | 2217.6 | 2222.9 |
| 17.5° | 2165.4 | 2181.5 | 2187.4 |
| 20°   | 2128.2 | 2148.7 | 2153.5 |
| 22.5° | 2090.6 | 2111.5 | 2117.5 |
| 25°   | 2049.7 | 2074.4 | 2080.3 |
| 27.5° | 2006.1 | 2035.7 | 2041.6 |
| 30°   | 1962.5 | 1994.8 | 2000.7 |
| 32.5° | 1915.7 | 1950.7 | 1956.0 |
| 35°   | 1866.7 | 1901.7 | 1908.1 |
| 37.5° | 1812.4 | 1850.6 | 1863.5 |
| 40°   | 1755.9 | 1797.3 | 1810.7 |
| 42.5° | 1696.7 | 1741.9 | 1755.9 |
| 45°   | 1633.2 | 1682.7 | 1698.8 |
| 47.5° | 1569.1 | 1625.1 | 1639.1 |
| 50°   | 1499.7 | 1559.4 | 1576.1 |
| 52.5° | 1427.1 | 1492.2 | 1508.9 |
| 55°   | 1351.7 | 1417.4 | 1435.7 |
| 57.5° | 1269.9 | 1337.7 | 1357.1 |
| 60°   | 1184.4 | 1252.2 | 1270.5 |
| 62.5° | 1096.7 | 1158.0 | 1175.8 |
| 65°   | 998.7  | 1056.3 | 1072.5 |
| 67.5° | 894.9  | 947.6  | 961.1  |
| 70°   | 784.6  | 830.3  | 842.1  |
| 72.5° | 669.4  | 701.2  | 716.8  |
| 75°   | 550.5  | 575.8  | 587.6  |
| 77.5° | 431.0  | 448.8  | 458.5  |
| 80°   | 314.3  | 324.5  | 332.6  |
| 82.5° | 205.6  | 209.9  | 215.8  |
| 85°   | 110.9  | 110.9  | 114.6  |
| 87.5° | 37.7   | 36.1   | 37.7   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)