

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: P834635

Luminaire Tested: **ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90**

Issue Date: 5/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P834635  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90  
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

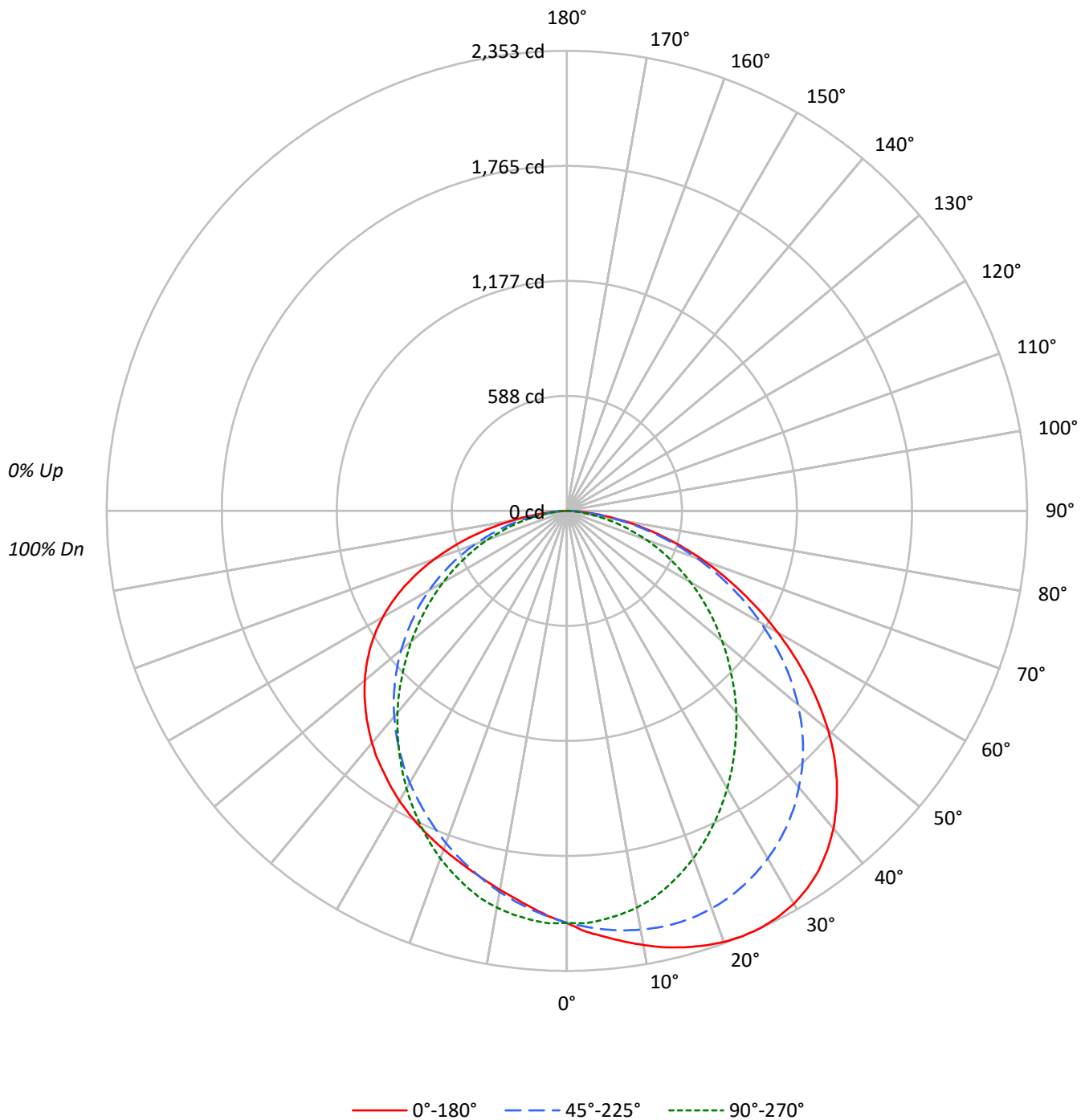
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6197.9 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.17 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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: P834635  
CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834635

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

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

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

|     | 0°   | 90°  | 180° |
|-----|------|------|------|
| 0°  | 2835 | 2835 | 2835 |
| 5°  | 2952 | 2836 | 2752 |
| 10° | 3081 | 2815 | 2689 |
| 15° | 3219 | 2770 | 2650 |
| 20° | 3360 | 2709 | 2639 |
| 25° | 3492 | 2630 | 2643 |
| 30° | 3606 | 2548 | 2660 |
| 35° | 3688 | 2457 | 2682 |
| 40° | 3725 | 2366 | 2722 |
| 45° | 3715 | 2266 | 2767 |
| 50° | 3649 | 2171 | 2824 |
| 55° | 3524 | 2071 | 2883 |
| 60° | 3352 | 1964 | 2926 |
| 65° | 3148 | 1845 | 2922 |
| 70° | 2930 | 1701 | 2836 |
| 75° | 2660 | 1494 | 2614 |
| 80° | 2284 | 1227 | 2205 |
| 85° | 1741 | 838  | 1514 |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834635

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 199.8  | 3.2       |
| 10°-20°   | 577.1  | 9.3       |
| 20°-30°   | 884.1  | 14.3      |
| 30°-40°   | 1078.9 | 17.4      |
| 40°-50°   | 1128.3 | 18.2      |
| 50°-60°   | 1021.2 | 16.5      |
| 60°-70°   | 773.4  | 12.5      |
| 70°-80°   | 431.0  | 7.0       |
| 80°-90°   | 104.0  | 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°    | 1661.0 | 26.8      |
| 0°-40°    | 2740.0 | 44.2      |
| 0°-60°    | 4889.5 | 78.9      |
| 0°-90°    | 6197.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6197.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2107 | 2107 | 2107 | 2107 | 2107 |      |
| 5°  | 2185 | 2149 | 2100 | 2048 | 2038 | 211  |
| 15° | 2311 | 2183 | 1989 | 1896 | 1902 | 655  |
| 25° | 2352 | 2121 | 1772 | 1709 | 1780 | 1085 |
| 35° | 2245 | 1964 | 1496 | 1494 | 1633 | 1402 |
| 45° | 1952 | 1708 | 1191 | 1244 | 1454 | 1502 |
| 55° | 1502 | 1356 | 883  | 961  | 1229 | 1341 |
| 65° | 989  | 930  | 579  | 659  | 918  | 981  |
| 75° | 512  | 483  | 287  | 343  | 503  | 543  |
| 85° | 113  | 100  | 54   | 73   | 98   | 136  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P834635

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 |
| 2.5°  | 2153.5 | 2143.4 | 2135.1 | 2138.3 | 2140.2 | 2133.7 | 2128.2 | 2129.1 | 2123.6 | 2134.2 | 2109.3 |
| 5°    | 2185.3 | 2176.1 | 2166.4 | 2170.1 | 2166.4 | 2156.8 | 2148.9 | 2146.6 | 2131.9 | 2137.9 | 2112.6 |
| 7.5°  | 2220.8 | 2210.7 | 2196.4 | 2200.5 | 2192.7 | 2174.7 | 2164.6 | 2158.6 | 2136.0 | 2136.5 | 2108.4 |
| 10°   | 2254.9 | 2246.1 | 2226.8 | 2229.5 | 2215.3 | 2191.3 | 2175.2 | 2166.9 | 2135.1 | 2130.5 | 2101.5 |
| 12.5° | 2286.6 | 2274.7 | 2253.9 | 2255.3 | 2234.6 | 2202.8 | 2182.1 | 2170.1 | 2128.7 | 2114.9 | 2086.3 |
| 15°   | 2311.1 | 2299.5 | 2274.7 | 2274.2 | 2247.5 | 2206.0 | 2182.6 | 2166.0 | 2113.5 | 2091.8 | 2061.9 |
| 17.5° | 2331.8 | 2321.2 | 2290.3 | 2289.4 | 2257.2 | 2204.7 | 2176.6 | 2155.8 | 2091.4 | 2064.7 | 2031.5 |
| 20°   | 2346.5 | 2335.9 | 2301.4 | 2298.2 | 2259.5 | 2197.8 | 2164.1 | 2137.9 | 2062.4 | 2030.6 | 1993.7 |
| 22.5° | 2353.4 | 2342.8 | 2303.7 | 2299.1 | 2253.9 | 2183.9 | 2146.2 | 2115.3 | 2029.2 | 1987.7 | 1949.5 |
| 25°   | 2352.0 | 2341.9 | 2297.7 | 2293.1 | 2243.4 | 2163.2 | 2120.8 | 2085.4 | 1987.3 | 1938.5 | 1900.7 |
| 27.5° | 2340.5 | 2332.7 | 2286.2 | 2280.2 | 2224.0 | 2135.1 | 2090.0 | 2050.8 | 1940.8 | 1886.4 | 1845.4 |
| 30°   | 2320.7 | 2314.7 | 2265.5 | 2259.9 | 2200.1 | 2104.3 | 2054.1 | 2008.9 | 1890.6 | 1829.3 | 1787.9 |
| 32.5° | 2288.9 | 2283.4 | 2233.7 | 2228.6 | 2167.8 | 2064.7 | 2012.2 | 1965.6 | 1835.8 | 1768.1 | 1726.6 |
| 35°   | 2245.2 | 2242.0 | 2193.6 | 2188.1 | 2126.4 | 2019.5 | 1963.8 | 1912.7 | 1778.7 | 1702.2 | 1662.6 |
| 37.5° | 2187.6 | 2187.6 | 2141.1 | 2135.1 | 2074.8 | 1964.3 | 1909.4 | 1855.1 | 1714.2 | 1633.1 | 1594.0 |
| 40°   | 2120.8 | 2126.8 | 2079.4 | 2073.4 | 2014.9 | 1904.8 | 1845.0 | 1787.9 | 1644.6 | 1560.4 | 1522.1 |
| 42.5° | 2040.7 | 2046.2 | 2006.6 | 2001.1 | 1946.3 | 1836.2 | 1780.5 | 1718.3 | 1571.9 | 1486.2 | 1446.6 |
| 45°   | 1952.3 | 1959.6 | 1924.2 | 1920.0 | 1868.9 | 1761.2 | 1707.7 | 1644.6 | 1495.9 | 1408.8 | 1370.1 |
| 47.5° | 1853.7 | 1863.4 | 1832.5 | 1830.2 | 1782.8 | 1684.2 | 1628.5 | 1564.5 | 1416.2 | 1328.2 | 1291.8 |
| 50°   | 1743.2 | 1757.0 | 1731.7 | 1731.7 | 1689.3 | 1591.2 | 1542.9 | 1478.8 | 1333.3 | 1245.3 | 1209.4 |
| 52.5° | 1624.8 | 1642.3 | 1623.4 | 1623.9 | 1589.4 | 1501.4 | 1451.2 | 1388.6 | 1246.7 | 1160.1 | 1127.0 |
| 55°   | 1502.3 | 1519.4 | 1507.4 | 1509.2 | 1482.1 | 1401.9 | 1356.3 | 1294.2 | 1158.3 | 1074.0 | 1042.7 |
| 57.5° | 1374.3 | 1392.7 | 1384.9 | 1388.6 | 1369.7 | 1297.8 | 1250.4 | 1196.1 | 1067.1 | 983.7  | 957.0  |
| 60°   | 1245.8 | 1263.3 | 1259.1 | 1264.2 | 1252.2 | 1190.1 | 1146.8 | 1090.6 | 975.4  | 895.3  | 871.8  |
| 62.5° | 1115.9 | 1132.0 | 1131.1 | 1136.6 | 1130.2 | 1078.6 | 1039.9 | 992.0  | 880.6  | 806.9  | 785.2  |
| 65°   | 988.8  | 1002.6 | 1001.7 | 1007.7 | 1006.3 | 964.9  | 929.9  | 886.1  | 785.7  | 718.0  | 699.1  |
| 67.5° | 865.4  | 876.9  | 873.7  | 880.6  | 882.4  | 849.3  | 818.9  | 779.7  | 695.4  | 629.6  | 613.5  |
| 70°   | 744.7  | 752.5  | 748.4  | 753.0  | 757.1  | 732.3  | 706.5  | 671.9  | 599.2  | 541.1  | 527.8  |
| 72.5° | 626.4  | 631.9  | 625.4  | 630.0  | 633.7  | 615.8  | 594.6  | 564.6  | 504.3  | 454.1  | 443.1  |
| 75°   | 511.7  | 519.5  | 506.1  | 510.8  | 513.5  | 495.6  | 483.1  | 458.7  | 406.7  | 368.0  | 360.6  |
| 77.5° | 400.7  | 405.3  | 397.9  | 396.1  | 397.9  | 385.0  | 375.4  | 356.5  | 317.3  | 285.5  | 280.9  |
| 80°   | 294.8  | 297.5  | 290.1  | 288.3  | 289.7  | 280.5  | 273.1  | 259.3  | 231.7  | 207.7  | 205.9  |
| 82.5° | 197.6  | 199.0  | 192.5  | 190.7  | 191.6  | 188.8  | 180.1  | 170.4  | 157.5  | 137.2  | 136.8  |
| 85°   | 112.8  | 112.8  | 108.2  | 106.4  | 107.3  | 102.7  | 99.5   | 94.4   | 89.3   | 75.5   | 76.5   |
| 87.5° | 41.4   | 41.4   | 39.1   | 38.7   | 43.3   | 38.2   | 36.8   | 34.5   | 35.9   | 28.6   | 30.4   |
| 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: P834635

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 |
| 2.5°  | 2116.2 | 2111.6 | 2107.5 | 2093.2 | 2099.2 | 2084.5 | 2083.5 | 2078.0 | 2073.9 | 2066.0 | 2076.2 |
| 5°    | 2109.3 | 2100.1 | 2088.1 | 2071.1 | 2076.2 | 2058.7 | 2055.0 | 2048.5 | 2043.0 | 2032.9 | 2040.7 |
| 7.5°  | 2098.3 | 2083.1 | 2064.2 | 2042.5 | 2049.5 | 2027.8 | 2022.3 | 2015.4 | 2010.8 | 1998.8 | 2005.7 |
| 10°   | 2082.2 | 2060.5 | 2038.4 | 2012.2 | 2017.2 | 1993.7 | 1986.8 | 1979.5 | 1975.3 | 1964.7 | 1971.6 |
| 12.5° | 2057.3 | 2031.0 | 2001.1 | 1972.5 | 1978.1 | 1956.0 | 1946.8 | 1938.9 | 1937.5 | 1928.8 | 1937.1 |
| 15°   | 2025.0 | 1988.7 | 1957.8 | 1927.4 | 1933.9 | 1908.1 | 1903.9 | 1896.1 | 1898.4 | 1892.4 | 1902.5 |
| 17.5° | 1984.1 | 1942.1 | 1908.5 | 1875.8 | 1882.3 | 1860.6 | 1857.4 | 1853.7 | 1856.0 | 1855.1 | 1866.2 |
| 20°   | 1938.0 | 1891.9 | 1853.3 | 1821.0 | 1824.7 | 1807.7 | 1809.0 | 1808.1 | 1812.7 | 1817.8 | 1833.0 |
| 22.5° | 1886.0 | 1833.9 | 1793.4 | 1760.2 | 1765.8 | 1751.0 | 1757.5 | 1759.3 | 1767.1 | 1778.7 | 1798.0 |
| 25°   | 1827.5 | 1771.7 | 1729.4 | 1698.1 | 1703.1 | 1693.5 | 1704.5 | 1709.1 | 1721.5 | 1740.9 | 1760.7 |
| 27.5° | 1766.2 | 1707.3 | 1662.1 | 1632.2 | 1641.9 | 1632.2 | 1648.8 | 1658.0 | 1676.9 | 1698.1 | 1722.5 |
| 30°   | 1701.3 | 1640.0 | 1593.5 | 1566.8 | 1576.0 | 1567.3 | 1594.0 | 1606.4 | 1625.3 | 1654.3 | 1683.3 |
| 32.5° | 1633.1 | 1568.6 | 1523.0 | 1502.3 | 1508.8 | 1507.4 | 1537.3 | 1551.1 | 1576.5 | 1609.6 | 1640.5 |
| 35°   | 1563.1 | 1495.9 | 1449.8 | 1432.3 | 1440.1 | 1442.0 | 1477.9 | 1494.0 | 1521.7 | 1561.7 | 1594.9 |
| 37.5° | 1490.8 | 1422.2 | 1377.1 | 1362.8 | 1369.7 | 1376.6 | 1418.5 | 1434.6 | 1465.9 | 1509.7 | 1546.1 |
| 40°   | 1415.7 | 1347.1 | 1302.9 | 1291.4 | 1298.3 | 1305.7 | 1351.3 | 1373.4 | 1407.4 | 1454.9 | 1494.5 |
| 42.5° | 1339.7 | 1271.1 | 1228.3 | 1220.0 | 1226.9 | 1241.2 | 1289.5 | 1310.3 | 1346.2 | 1398.7 | 1442.4 |
| 45°   | 1262.4 | 1191.0 | 1153.7 | 1147.2 | 1154.6 | 1171.2 | 1218.6 | 1243.5 | 1281.7 | 1339.3 | 1386.3 |
| 47.5° | 1184.1 | 1114.5 | 1079.1 | 1074.9 | 1082.3 | 1100.7 | 1153.2 | 1175.8 | 1216.3 | 1277.6 | 1328.2 |
| 50°   | 1104.9 | 1037.2 | 1003.1 | 1001.7 | 1008.6 | 1028.4 | 1078.6 | 1105.3 | 1147.2 | 1215.9 | 1267.9 |
| 52.5° | 1024.7 | 959.8  | 928.9  | 928.9  | 935.4  | 955.6  | 1006.3 | 1033.9 | 1077.2 | 1149.5 | 1207.1 |
| 55°   | 944.6  | 882.9  | 853.4  | 855.7  | 864.9  | 882.4  | 931.7  | 960.7  | 1004.5 | 1079.5 | 1140.3 |
| 57.5° | 864.5  | 806.0  | 779.3  | 782.5  | 791.2  | 808.7  | 857.1  | 889.8  | 929.4  | 1007.2 | 1069.4 |
| 60°   | 785.2  | 730.0  | 706.5  | 710.2  | 718.0  | 735.5  | 785.7  | 813.8  | 853.4  | 932.6  | 994.8  |
| 62.5° | 705.1  | 654.9  | 632.8  | 637.4  | 644.3  | 661.8  | 709.3  | 736.4  | 775.6  | 853.4  | 916.0  |
| 65°   | 625.9  | 579.4  | 560.5  | 565.1  | 571.5  | 587.7  | 632.3  | 658.6  | 695.9  | 771.9  | 831.8  |
| 67.5° | 547.6  | 505.2  | 489.6  | 494.2  | 499.2  | 514.4  | 551.3  | 579.8  | 614.8  | 687.1  | 743.8  |
| 70°   | 470.2  | 432.5  | 418.6  | 423.2  | 427.9  | 441.7  | 473.9  | 500.2  | 532.4  | 598.7  | 651.2  |
| 72.5° | 393.8  | 356.9  | 350.0  | 354.2  | 357.8  | 369.8  | 400.7  | 421.4  | 449.5  | 508.4  | 553.6  |
| 75°   | 319.2  | 287.4  | 282.8  | 286.9  | 290.1  | 299.4  | 325.1  | 343.1  | 366.6  | 417.7  | 454.6  |
| 77.5° | 247.3  | 220.6  | 218.8  | 222.0  | 225.2  | 231.7  | 251.9  | 270.8  | 289.2  | 327.0  | 359.7  |
| 80°   | 180.1  | 158.4  | 158.4  | 161.7  | 160.7  | 168.6  | 182.8  | 198.0  | 211.4  | 238.6  | 262.5  |
| 82.5° | 118.8  | 101.8  | 104.1  | 106.4  | 107.8  | 111.0  | 119.7  | 131.3  | 139.5  | 156.1  | 171.8  |
| 85°   | 65.9   | 54.3   | 56.6   | 58.5   | 57.6   | 61.3   | 65.9   | 72.8   | 76.9   | 84.7   | 93.0   |
| 87.5° | 24.4   | 20.3   | 20.7   | 22.1   | 23.0   | 24.9   | 24.9   | 29.0   | 29.5   | 30.4   | 32.2   |
| 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: P834635

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-2STD-27-120-EDD-90

**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 170°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 2107.0 | 2107.0 | 2107.0 |
| 2.5°  | 2056.8 | 2067.9 | 2076.2 |
| 5°    | 2021.4 | 2030.6 | 2037.9 |
| 7.5°  | 1986.8 | 1995.1 | 2001.6 |
| 10°   | 1954.1 | 1963.3 | 1967.9 |
| 12.5° | 1920.5 | 1931.1 | 1934.8 |
| 15°   | 1887.3 | 1897.9 | 1902.5 |
| 17.5° | 1853.3 | 1867.1 | 1872.1 |
| 20°   | 1821.5 | 1839.0 | 1843.1 |
| 22.5° | 1789.2 | 1807.2 | 1812.3 |
| 25°   | 1754.2 | 1775.4 | 1780.5 |
| 27.5° | 1716.9 | 1742.3 | 1747.3 |
| 30°   | 1679.6 | 1707.3 | 1712.3 |
| 32.5° | 1639.6 | 1669.5 | 1674.1 |
| 35°   | 1597.7 | 1627.6 | 1633.1 |
| 37.5° | 1551.1 | 1583.8 | 1594.9 |
| 40°   | 1502.8 | 1538.2 | 1549.8 |
| 42.5° | 1452.1 | 1490.8 | 1502.8 |
| 45°   | 1397.8 | 1440.1 | 1454.0 |
| 47.5° | 1343.0 | 1390.9 | 1402.8 |
| 50°   | 1283.6 | 1334.7 | 1349.0 |
| 52.5° | 1221.4 | 1277.1 | 1291.4 |
| 55°   | 1156.9 | 1213.1 | 1228.8 |
| 57.5° | 1086.9 | 1144.9 | 1161.5 |
| 60°   | 1013.7 | 1071.7 | 1087.4 |
| 62.5° | 938.6  | 991.1  | 1006.3 |
| 65°   | 854.8  | 904.1  | 917.9  |
| 67.5° | 765.9  | 811.0  | 822.5  |
| 70°   | 671.5  | 710.6  | 720.8  |
| 72.5° | 572.9  | 600.1  | 613.5  |
| 75°   | 471.1  | 492.8  | 502.9  |
| 77.5° | 368.9  | 384.1  | 392.4  |
| 80°   | 269.0  | 277.7  | 284.6  |
| 82.5° | 175.9  | 179.6  | 184.7  |
| 85°   | 94.9   | 94.9   | 98.1   |
| 87.5° | 32.2   | 30.9   | 32.2   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)