

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: P837799

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-2HI-35-120-EDD-90**

Issue Date: 5/21/2024

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P837799
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-12-4-INS-ASY2R-LD4-2HI-35-120-EDD-90
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

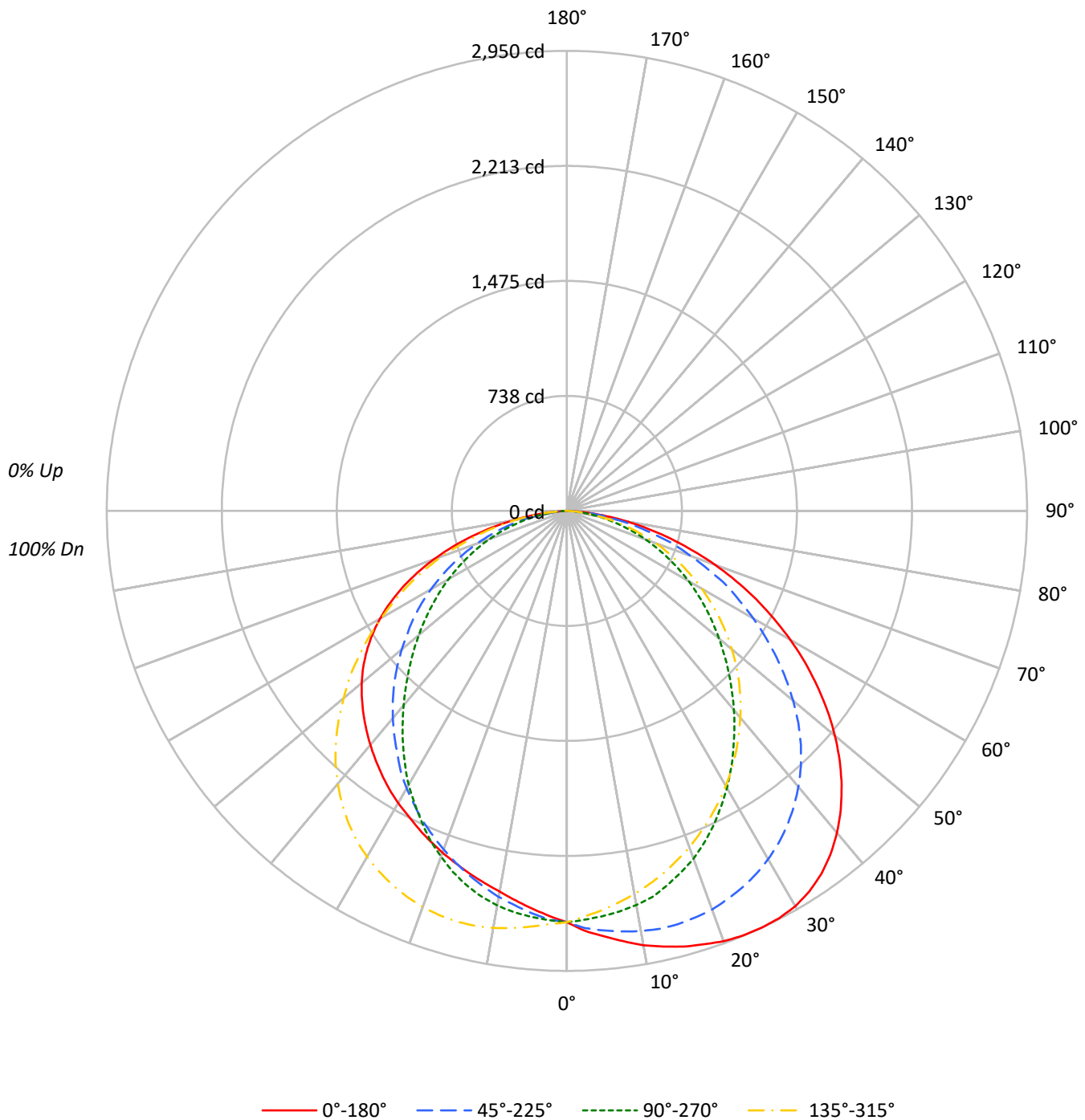
Lumens per Lamp: N/A
Luminaire Lumens: 7738.8 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 88
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: 25 FT

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Luminous Intensity Polar Plot



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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	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70		
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59		
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	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°	270°
0°	7098	7098	7098	7098
5°	7398	7047	6914	7059
10°	7727	7011	6774	7021
15°	8058	6922	6707	6923
20°	8410	6796	6678	6757
25°	8758	6606	6677	6538
30°	9097	6376	6722	6305
35°	9338	6114	6790	6017
40°	9462	5851	6884	5719
45°	9481	5585	7018	5444
50°	9391	5329	7189	5188
55°	9197	5092	7349	4951
60°	8908	4845	7448	4719
65°	8509	4560	7408	4455
70°	7949	4226	7146	4149
75°	7152	3768	6557	3749
80°	6064	3157	5511	3203
85°	4218	2090	3495	2146

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.4	3.2
10°-20°	725.2	9.4
20°-30°	1111.4	14.4
30°-40°	1351.4	17.5
40°-50°	1404.9	18.2
50°-60°	1269.0	16.4
60°-70°	964.8	12.5
70°-80°	537.8	7.0
80°-90°	123.8	1.6
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°	2087.0	27.0
0°-40°	3438.4	44.4
0°-60°	6112.3	79.0
0°-90°	7738.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7738.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2638	2638	2638	2638	2638	
5°	2739	2609	2560	2613	2739	264
15°	2892	2484	2408	2485	2892	820
25°	2950	2225	2249	2202	2950	1362
35°	2843	1861	2067	1832	2843	1775
45°	2491	1468	1844	1430	2491	1918
55°	1960	1085	1566	1055	1960	1750
65°	1336	716	1164	700	1336	1321
75°	688	362	631	361	688	731
85°	137	68	113	70	137	172
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7
2.5°	2696.2	2656.8	2657.4	2691.9	2665.4	2678.3	2641.4	2655.6	2651.3	2654.4	2624.2
5°	2738.6	2696.2	2695.6	2725.1	2695.6	2701.1	2654.4	2663.6	2650.0	2641.4	2608.8
7.5°	2783.6	2741.1	2736.8	2762.6	2723.9	2719.6	2667.9	2667.9	2643.3	2621.7	2591.0
10°	2827.9	2784.2	2778.6	2798.3	2750.3	2736.2	2673.4	2663.6	2631.0	2599.0	2565.8
12.5°	2861.1	2816.8	2812.5	2824.8	2770.6	2744.8	2673.4	2654.4	2606.4	2561.4	2535.6
15°	2892.5	2846.9	2835.2	2841.4	2779.3	2744.8	2664.8	2635.3	2573.7	2514.7	2484.5
17.5°	2914.6	2870.9	2859.2	2858.6	2783.6	2734.3	2646.4	2605.7	2531.9	2460.5	2430.4
20°	2936.8	2893.1	2878.3	2867.2	2782.3	2720.2	2619.3	2564.5	2478.4	2398.4	2373.2
22.5°	2947.8	2902.9	2886.9	2870.3	2774.3	2694.3	2586.1	2516.5	2418.1	2322.7	2301.8
25°	2949.7	2903.5	2886.3	2862.3	2758.3	2663.6	2543.0	2458.7	2348.6	2242.7	2224.9
27.5°	2944.8	2894.3	2877.1	2848.2	2734.3	2626.0	2491.9	2392.9	2274.7	2157.8	2138.7
30°	2927.5	2876.5	2859.9	2822.3	2700.5	2579.9	2435.9	2319.6	2192.9	2068.6	2052.0
32.5°	2893.1	2843.2	2829.7	2792.2	2663.6	2526.4	2370.7	2240.9	2102.4	1983.7	1959.1
35°	2842.6	2792.8	2784.2	2744.8	2611.9	2462.4	2299.3	2154.7	2006.5	1885.2	1861.2
37.5°	2776.8	2735.0	2722.0	2683.3	2551.0	2389.8	2217.5	2061.2	1908.6	1778.2	1763.4
40°	2693.7	2654.4	2644.5	2610.1	2480.2	2309.2	2128.9	1964.6	1807.7	1686.5	1665.6
42.5°	2599.0	2562.1	2556.5	2520.8	2392.9	2220.0	2032.9	1864.3	1702.5	1585.6	1564.7
45°	2491.3	2455.6	2454.4	2420.5	2297.5	2120.9	1932.0	1762.8	1599.7	1478.5	1467.5
47.5°	2372.6	2340.6	2340.6	2309.2	2191.0	2012.0	1828.0	1657.0	1496.4	1389.3	1369.6
50°	2243.3	2213.2	2204.0	2188.6	2073.5	1893.2	1718.5	1553.6	1394.2	1292.1	1273.0
52.5°	2105.5	2079.7	2085.8	2057.5	1946.2	1769.6	1607.7	1437.3	1291.5	1198.6	1179.5
55°	1960.3	1923.4	1928.9	1918.5	1813.3	1642.2	1483.5	1341.3	1190.6	1103.2	1085.4
57.5°	1809.6	1761.6	1781.3	1775.1	1671.7	1511.8	1369.6	1232.4	1090.3	1009.7	992.5
60°	1655.1	1609.0	1629.3	1623.7	1526.5	1381.3	1252.1	1124.7	990.6	917.4	900.2
62.5°	1496.4	1453.9	1472.4	1468.1	1378.9	1247.8	1135.2	1018.3	890.3	824.5	808.5
65°	1336.4	1295.8	1312.4	1309.3	1226.9	1127.2	1015.2	908.2	789.4	732.2	716.2
67.5°	1172.7	1135.2	1150.6	1150.6	1074.9	979.5	894.6	796.8	690.4	641.1	626.4
70°	1010.3	975.2	988.8	987.5	923.5	846.0	772.8	685.4	590.1	549.5	537.1
72.5°	846.6	815.9	828.2	826.9	773.4	723.6	651.0	575.3	492.2	459.6	448.5
75°	687.9	659.0	670.7	669.4	625.7	579.0	530.4	467.6	396.2	373.5	362.4
77.5°	536.5	507.0	516.8	516.8	484.8	451.0	412.2	363.6	313.2	288.6	280.6
80°	391.3	377.2	372.2	372.9	351.3	329.2	309.5	262.7	225.8	209.2	203.7
82.5°	257.2	245.5	240.6	241.8	229.5	216.0	203.7	171.1	146.4	136.6	133.5
85°	136.6	128.0	123.7	126.7	124.3	116.9	110.8	88.6	73.2	69.5	67.7
87.5°	43.1	37.5	34.5	45.5	38.8	34.5	33.2	26.5	20.3	20.3	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7
2.5°	2634.0	2634.0	2610.1	2604.5	2602.1	2605.1	2581.1	2576.8	2611.3	2599.6	2573.1
5°	2613.1	2611.9	2578.1	2571.9	2571.9	2568.2	2541.1	2535.0	2569.4	2559.6	2530.7
7.5°	2587.3	2583.6	2543.6	2539.3	2533.1	2530.7	2500.5	2496.2	2525.8	2519.6	2492.5
10°	2555.9	2552.2	2504.8	2501.8	2495.0	2490.1	2461.8	2458.7	2488.8	2479.0	2457.5
12.5°	2514.7	2507.9	2459.3	2456.2	2450.7	2448.8	2421.2	2419.9	2453.2	2443.3	2420.5
15°	2460.5	2455.0	2400.9	2402.1	2402.7	2402.7	2380.5	2379.3	2411.9	2407.6	2383.0
17.5°	2400.9	2393.5	2341.8	2345.5	2349.8	2354.7	2337.5	2340.6	2375.0	2369.5	2347.3
20°	2333.2	2325.8	2275.3	2285.8	2295.0	2304.9	2293.8	2302.4	2334.4	2331.9	2315.3
22.5°	2257.5	2250.1	2203.3	2219.3	2234.7	2253.2	2248.3	2258.1	2291.9	2291.3	2276.6
25°	2165.2	2167.0	2125.8	2145.5	2171.4	2197.2	2199.0	2215.0	2252.6	2248.9	2235.3
27.5°	2079.1	2081.5	2037.8	2071.1	2105.5	2138.7	2146.7	2168.9	2207.0	2204.0	2192.3
30°	1988.6	1991.7	1949.2	1994.8	2036.6	2077.2	2094.4	2124.6	2163.4	2163.4	2151.0
32.5°	1894.5	1900.0	1855.7	1916.6	1965.2	2012.6	2042.8	2074.1	2118.4	2117.2	2106.7
35°	1797.9	1804.0	1763.4	1840.9	1889.5	1947.4	1984.9	2026.8	2066.1	2066.8	2058.8
37.5°	1699.4	1706.8	1669.9	1754.8	1810.2	1878.5	1926.5	1968.3	2012.0	2014.5	2007.1
40°	1601.6	1609.6	1577.6	1659.4	1729.6	1805.9	1861.2	1910.5	1958.5	1959.7	1954.8
42.5°	1503.8	1512.4	1488.4	1568.4	1647.7	1729.6	1794.8	1850.8	1900.0	1903.1	1897.5
45°	1408.4	1415.8	1398.5	1485.9	1562.2	1651.4	1726.5	1789.9	1839.7	1844.0	1842.2
47.5°	1313.6	1320.4	1305.0	1385.0	1473.0	1567.8	1654.5	1724.7	1777.6	1782.5	1781.3
50°	1220.7	1226.3	1209.7	1293.3	1380.7	1481.6	1572.1	1653.3	1712.3	1717.3	1716.7
52.5°	1128.4	1134.0	1119.8	1207.8	1287.2	1393.6	1492.1	1580.1	1638.5	1645.9	1647.1
55°	1039.2	1041.7	1030.6	1114.9	1191.8	1303.2	1416.4	1501.9	1560.4	1566.5	1570.2
57.5°	950.0	950.6	941.4	1022.0	1095.8	1209.7	1328.4	1418.2	1473.6	1479.8	1485.3
60°	861.4	860.8	850.3	928.5	999.2	1111.8	1235.5	1324.7	1378.2	1383.8	1391.2
62.5°	773.4	771.6	762.3	834.3	900.8	1012.1	1136.4	1222.6	1273.6	1277.3	1287.2
65°	686.0	684.2	675.6	742.0	802.3	908.8	1030.6	1112.4	1158.6	1163.5	1161.7
67.5°	599.9	596.2	589.4	649.1	703.9	802.3	919.2	997.4	1035.5	1039.8	1051.5
70°	513.8	509.5	494.1	557.5	605.4	693.4	802.3	871.9	903.9	908.2	906.3
72.5°	428.9	424.5	407.9	466.4	507.0	583.9	681.1	739.0	766.6	770.3	770.3
75°	346.4	343.9	333.5	377.8	411.6	474.4	556.8	604.8	626.4	630.7	629.4
77.5°	267.0	265.2	254.7	292.9	319.3	366.1	432.5	470.1	486.1	491.0	501.5
80°	191.4	190.7	174.1	211.7	223.3	262.7	311.3	340.3	348.9	355.6	363.0
82.5°	122.4	123.1	106.4	138.4	143.4	168.6	198.7	216.6	222.7	228.3	233.8
85°	59.7	62.1	52.9	73.2	73.8	86.8	99.7	106.4	108.9	113.2	118.1
87.5°	15.4	17.8	9.8	20.9	18.5	24.0	27.7	29.5	28.9	32.0	33.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7
2.5°	2581.7	2601.4	2591.6	2623.6	2635.9	2616.2	2650.7	2651.3	2626.7	2655.6	2671.6
5°	2541.8	2562.1	2555.9	2589.1	2604.5	2587.3	2629.1	2637.1	2613.1	2645.7	2671.6
7.5°	2501.1	2525.1	2517.1	2551.0	2569.4	2555.9	2600.8	2613.7	2595.3	2631.0	2665.4
10°	2466.1	2486.4	2477.8	2513.5	2529.4	2518.4	2562.7	2586.7	2569.4	2613.1	2654.4
12.5°	2431.6	2448.2	2438.4	2467.9	2483.3	2469.2	2523.3	2545.4	2533.1	2578.7	2631.6
15°	2387.3	2405.8	2392.2	2418.7	2430.4	2418.1	2462.4	2500.5	2485.1	2535.0	2593.4
17.5°	2353.5	2363.9	2345.5	2366.4	2373.2	2356.6	2401.5	2439.0	2427.9	2482.1	2549.8
20°	2315.9	2324.6	2298.7	2310.4	2309.8	2288.9	2330.1	2367.0	2359.6	2419.3	2496.2
22.5°	2274.1	2278.4	2248.3	2250.7	2249.5	2215.0	2252.0	2289.5	2286.4	2346.7	2432.8
25°	2229.8	2230.4	2191.7	2190.4	2176.9	2136.3	2168.9	2211.3	2202.1	2267.3	2357.8
27.5°	2186.1	2180.0	2133.2	2122.1	2100.6	2052.0	2080.9	2119.1	2113.5	2177.5	2277.8
30°	2139.4	2131.4	2074.1	2053.8	2022.5	1966.5	1990.5	2026.1	2029.2	2085.2	2190.4
32.5°	2095.1	2074.8	2011.4	1981.8	1942.5	1877.2	1890.2	1926.5	1931.4	1988.0	2096.3
35°	2037.8	2024.3	1946.2	1895.7	1856.9	1785.6	1799.1	1824.3	1831.7	1887.1	1997.2
37.5°	1983.7	1962.2	1879.1	1817.6	1767.7	1692.7	1696.3	1722.2	1729.6	1785.6	1894.5
40°	1927.7	1896.9	1807.7	1735.7	1678.5	1599.7	1595.4	1622.5	1628.1	1682.8	1781.3
42.5°	1868.0	1831.1	1730.8	1652.0	1586.2	1506.2	1497.6	1521.0	1527.1	1580.7	1677.3
45°	1807.7	1763.4	1652.0	1565.9	1493.9	1412.1	1403.5	1421.3	1430.5	1481.0	1573.9
47.5°	1743.7	1692.0	1570.8	1474.8	1400.4	1318.6	1308.1	1325.9	1333.3	1383.2	1471.2
50°	1676.7	1613.9	1487.2	1381.3	1307.5	1226.9	1211.5	1232.4	1239.2	1286.0	1372.1
52.5°	1602.8	1533.3	1397.9	1287.2	1213.3	1136.4	1118.0	1138.3	1146.3	1191.8	1271.2
55°	1524.7	1449.6	1308.1	1200.4	1120.4	1045.4	1030.0	1038.0	1055.2	1098.3	1172.1
57.5°	1436.7	1362.2	1213.3	1103.8	1026.9	954.9	942.0	949.4	965.4	1007.2	1073.7
60°	1343.2	1264.4	1116.7	1007.2	932.8	864.5	852.8	859.6	876.8	914.9	976.5
62.5°	1250.9	1162.3	1017.1	908.2	840.5	777.1	774.0	771.6	787.6	824.5	878.6
65°	1138.9	1054.0	913.1	809.7	748.2	691.0	678.7	684.2	699.6	733.4	790.0
67.5°	1018.9	942.0	806.6	711.3	656.5	605.4	595.0	597.4	613.4	643.0	692.2
70°	891.6	823.9	697.7	612.2	566.1	518.1	511.3	511.9	527.3	553.1	596.2
72.5°	758.0	697.1	587.6	514.4	476.2	441.8	435.6	428.2	442.4	464.5	501.5
75°	622.1	568.5	478.1	418.4	388.2	359.3	353.8	346.4	360.6	379.6	408.6
77.5°	484.8	441.8	371.6	325.5	302.1	280.6	275.6	267.7	281.8	296.0	318.7
80°	350.7	319.3	277.5	228.9	220.9	206.7	201.8	193.2	206.7	216.0	233.2
82.5°	226.4	205.5	181.5	147.7	146.4	136.0	133.5	123.7	136.0	141.5	154.4
85°	114.4	104.6	98.4	75.1	77.5	70.8	70.1	59.7	69.5	72.0	79.4
87.5°	32.6	34.5	30.8	18.5	23.4	22.2	22.2	16.0	22.2	22.2	25.2
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: P837799

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-2HI-35-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7	2637.7
2.5°	2640.2	2650.7	2653.1	2652.5	2659.3	2696.2	2683.9	2696.2
5°	2646.4	2669.7	2675.9	2684.5	2695.6	2737.4	2723.9	2738.6
7.5°	2650.0	2685.1	2698.7	2715.3	2733.1	2779.9	2768.8	2783.6
10°	2650.0	2695.6	2715.3	2743.0	2767.0	2821.1	2810.6	2827.9
12.5°	2639.0	2697.4	2725.1	2763.9	2794.6	2853.1	2848.8	2861.1
15°	2616.2	2688.2	2726.3	2776.2	2814.3	2879.5	2877.7	2892.5
17.5°	2585.4	2672.2	2718.3	2781.1	2829.1	2902.3	2906.6	2914.6
20°	2546.7	2642.0	2702.3	2779.3	2839.6	2920.2	2925.7	2936.8
22.5°	2495.6	2605.7	2678.3	2771.3	2840.8	2927.5	2937.4	2947.8
25°	2435.3	2562.1	2647.0	2755.9	2834.6	2926.9	2940.5	2949.7
27.5°	2366.4	2505.5	2607.0	2731.3	2817.4	2917.1	2933.7	2944.8
30°	2286.4	2445.2	2561.4	2699.3	2794.0	2898.6	2916.5	2927.5
32.5°	2204.0	2378.7	2507.3	2658.0	2760.2	2869.1	2884.5	2893.1
35°	2114.1	2298.1	2442.1	2605.1	2716.5	2821.7	2833.4	2842.6
37.5°	2016.3	2210.7	2367.6	2545.4	2655.0	2755.9	2766.3	2776.8
40°	1915.4	2119.1	2283.9	2472.2	2581.7	2675.3	2686.3	2693.7
42.5°	1813.9	2017.5	2194.7	2386.1	2495.0	2584.8	2591.6	2599.0
45°	1711.1	1912.3	2094.4	2290.7	2398.4	2482.7	2485.1	2491.3
47.5°	1606.5	1803.4	1984.3	2181.8	2288.3	2365.2	2367.6	2372.6
50°	1501.3	1694.5	1866.8	2064.3	2168.3	2249.5	2238.4	2243.3
52.5°	1397.9	1580.1	1756.0	1937.5	2040.3	2112.3	2115.4	2105.5
55°	1296.4	1468.1	1629.9	1804.6	1902.5	1958.5	1956.6	1960.3
57.5°	1193.7	1354.9	1503.1	1663.1	1758.5	1811.4	1822.5	1809.6
60°	1089.1	1240.4	1373.3	1517.9	1610.2	1654.5	1667.4	1655.1
62.5°	985.1	1124.1	1244.7	1370.9	1456.4	1511.1	1509.9	1496.4
65°	881.1	1007.2	1114.9	1222.0	1296.4	1351.2	1348.7	1336.4
67.5°	785.1	889.1	985.7	1072.4	1137.1	1174.6	1187.5	1172.7
70°	679.3	769.1	854.0	923.5	977.1	1010.9	1023.2	1010.3
72.5°	573.4	649.7	709.4	776.5	817.7	846.0	858.9	846.6
75°	468.8	531.6	580.2	632.5	661.4	685.4	700.2	687.9
77.5°	367.3	415.9	454.7	492.8	526.1	531.6	544.5	536.5
80°	270.7	305.8	334.1	359.3	383.3	385.8	396.2	391.3
82.5°	180.3	203.7	211.0	237.5	252.9	250.4	260.9	257.2
85°	95.4	109.5	122.4	130.4	139.1	131.1	140.3	136.6
87.5°	32.0	33.8	29.5	41.8	46.1	39.4	44.9	43.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)