

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



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: P837922

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-4HI-50-120-EDD**

Issue Date: 5/21/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P837922  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/21/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-2-INS-ASY2R-LD4-4HI-50-120-EDD  
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

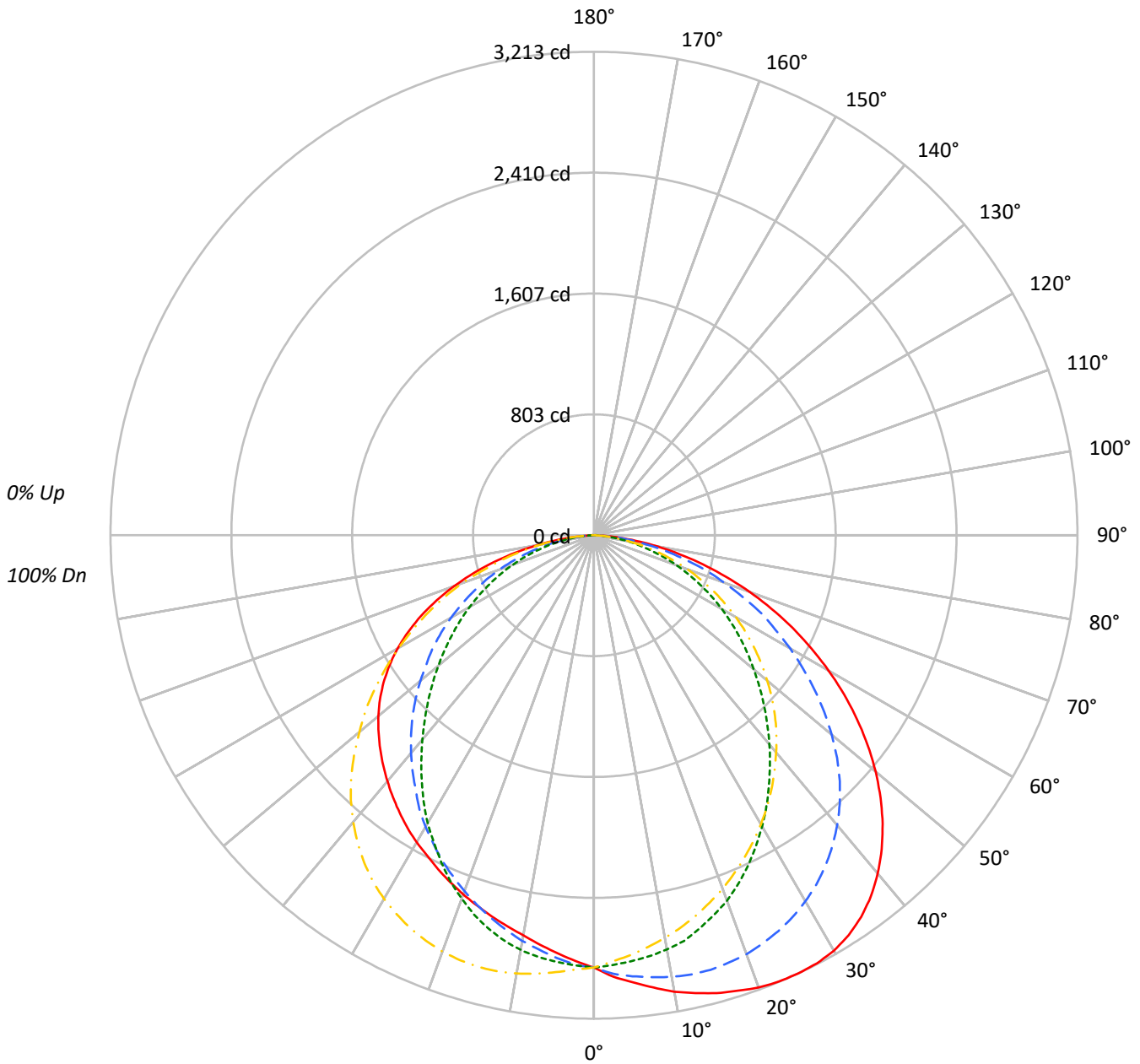
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8429.4 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' 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



— 0°-180°    - - 45°-225°    - · - 90°-270°    · · · 135°-315°



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

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84	84	84	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70	70	70	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59	59	59	59
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50	50	50	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43	43	43	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38	38	38	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29	29	29	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24

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

	0°	90°	180°	270°
0°	7732	7732	7732	7732
5°	8058	7676	7531	7689
10°	8417	7636	7378	7648
15°	8777	7539	7306	7541
20°	9161	7403	7274	7360
25°	9540	7196	7273	7122
30°	9908	6945	7322	6868
35°	10172	6660	7395	6554
40°	10307	6373	7498	6230
45°	10327	6083	7644	5930
50°	10230	5805	7831	5651
55°	10018	5546	8005	5393
60°	9703	5277	8112	5140
65°	9269	4967	8070	4852
70°	8659	4604	7783	4519
75°	7791	4104	7143	4083
80°	6605	3437	6003	3490
85°	4594	2276	3807	2337



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.8	3.2
10°-20°	789.9	9.4
20°-30°	1210.6	14.4
30°-40°	1472.0	17.5
40°-50°	1530.2	18.2
50°-60°	1382.3	16.4
60°-70°	1050.9	12.5
70°-80°	585.9	7.0
80°-90°	134.9	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°	2273.3	27.0
0°-40°	3745.3	44.4
0°-60°	6657.8	79.0
0°-90°	8429.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8429.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2873	2873	2873	2873	2873	
5°	2983	2842	2788	2846	2983	288
15°	3151	2706	2622	2707	3151	893
25°	3213	2424	2450	2399	3213	1484
35°	3096	2027	2251	1995	3096	1934
45°	2714	1598	2009	1558	2714	2089
55°	2135	1182	1706	1149	2135	1906
65°	1456	780	1267	762	1456	1438
75°	749	395	687	393	749	796
85°	149	74	123	76	149	187
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°	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2
2.5°	2936.8	2893.9	2894.6	2932.1	2903.3	2917.4	2877.2	2892.6	2887.9	2891.3	2858.4
5°	2983.1	2936.8	2936.2	2968.3	2936.2	2942.2	2891.3	2901.3	2886.6	2877.2	2841.7
7.5°	3032.0	2985.8	2981.1	3009.2	2967.0	2962.3	2906.0	2906.0	2879.2	2855.7	2822.2
10°	3080.2	3032.7	3026.6	3048.1	2995.8	2980.4	2912.0	2901.3	2865.8	2830.9	2794.7
12.5°	3116.4	3068.2	3063.5	3076.9	3017.9	2989.8	2912.0	2891.3	2839.0	2790.1	2761.9
15°	3150.6	3101.0	3088.3	3095.0	3027.3	2989.8	2902.6	2870.5	2803.5	2739.1	2706.3
17.5°	3174.7	3127.2	3114.4	3113.8	3032.0	2978.4	2882.5	2838.3	2757.9	2680.1	2647.3
20°	3198.9	3151.3	3135.2	3123.1	3030.7	2963.0	2853.1	2793.4	2699.6	2612.4	2585.0
22.5°	3210.9	3162.0	3144.6	3126.5	3021.9	2934.8	2816.9	2741.1	2633.9	2530.0	2507.2
25°	3212.9	3162.7	3143.9	3117.8	3004.5	2901.3	2769.9	2678.1	2558.2	2442.9	2423.5
27.5°	3207.6	3152.6	3133.9	3102.4	2978.4	2860.4	2714.3	2606.4	2477.7	2350.4	2329.6
30°	3188.8	3133.2	3115.1	3074.2	2941.5	2810.2	2653.3	2526.7	2388.6	2253.2	2235.1
32.5°	3151.3	3097.0	3082.3	3041.4	2901.3	2751.9	2582.3	2440.9	2290.1	2160.7	2133.9
35°	3096.3	3042.0	3032.7	2989.8	2845.0	2682.1	2504.5	2347.0	2185.5	2053.5	2027.4
37.5°	3024.6	2979.0	2965.0	2922.8	2778.7	2603.1	2415.4	2245.2	2079.0	1936.9	1920.8
40°	2934.1	2891.3	2880.5	2843.0	2701.6	2515.3	2318.9	2140.0	1969.1	1837.0	1814.2
42.5°	2830.9	2790.7	2784.7	2745.8	2606.4	2418.1	2214.3	2030.7	1854.4	1727.1	1704.3
45°	2713.6	2674.8	2673.4	2636.6	2502.5	2310.2	2104.4	1920.1	1742.5	1610.5	1598.4
47.5°	2584.3	2549.4	2549.4	2515.3	2386.6	2191.6	1991.2	1804.9	1629.9	1513.3	1491.9
50°	2443.6	2410.7	2400.7	2383.9	2258.6	2062.2	1871.9	1692.3	1518.7	1407.4	1386.6
52.5°	2293.4	2265.3	2272.0	2241.2	2119.8	1927.5	1751.2	1565.6	1406.8	1305.6	1284.8
55°	2135.3	2095.1	2101.1	2089.7	1975.1	1788.8	1615.9	1461.0	1296.8	1201.7	1182.2
57.5°	1971.1	1918.8	1940.2	1933.5	1820.9	1646.7	1491.9	1342.4	1187.6	1099.8	1081.0
60°	1802.8	1752.6	1774.7	1768.7	1662.8	1504.6	1363.9	1225.1	1079.0	999.3	980.5
62.5°	1629.9	1583.7	1603.8	1599.1	1501.9	1359.2	1236.5	1109.2	969.8	898.1	880.6
65°	1455.7	1411.4	1429.5	1426.2	1336.4	1227.8	1105.8	989.2	859.9	797.5	780.1
67.5°	1277.4	1236.5	1253.3	1253.3	1170.8	1067.0	974.5	867.9	752.0	698.4	682.3
70°	1100.5	1062.3	1077.0	1075.7	1006.0	921.5	841.8	746.6	642.7	598.5	585.1
72.5°	922.2	888.7	902.1	900.8	842.4	788.2	709.1	626.6	536.2	500.6	488.6
75°	749.3	717.8	730.5	729.2	681.6	630.7	577.7	509.4	431.6	406.8	394.7
77.5°	584.4	552.2	563.0	563.0	528.1	491.3	449.0	396.1	341.1	314.3	305.6
80°	426.2	410.8	405.5	406.1	382.7	358.6	337.1	286.2	246.0	227.9	221.8
82.5°	280.1	267.4	262.0	263.4	250.0	235.2	221.8	186.3	159.5	148.8	145.4
85°	148.8	139.4	134.7	138.1	135.4	127.3	120.6	96.5	79.8	75.7	73.7
87.5°	46.9	40.9	37.5	49.6	42.2	37.5	36.2	28.8	22.1	22.1	21.4
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°	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2
2.5°	2869.1	2869.1	2843.0	2837.0	2834.3	2837.6	2811.5	2806.8	2844.3	2831.6	2802.8
5°	2846.3	2845.0	2808.1	2801.4	2801.4	2797.4	2767.9	2761.2	2798.8	2788.0	2756.5
7.5°	2818.2	2814.2	2770.6	2765.9	2759.2	2756.5	2723.7	2719.0	2751.2	2744.5	2715.0
10°	2784.0	2780.0	2728.4	2725.0	2717.7	2712.3	2681.5	2678.1	2711.0	2700.2	2676.8
12.5°	2739.1	2731.7	2678.8	2675.4	2669.4	2667.4	2637.2	2635.9	2672.1	2661.4	2636.6
15°	2680.1	2674.1	2615.1	2616.5	2617.1	2617.1	2593.0	2591.7	2627.2	2622.5	2595.7
17.5°	2615.1	2607.1	2550.8	2554.8	2559.5	2564.9	2546.1	2549.4	2587.0	2580.9	2556.8
20°	2541.4	2533.4	2478.4	2489.8	2499.9	2510.6	2498.5	2507.9	2542.7	2540.1	2522.0
22.5°	2459.0	2450.9	2400.0	2417.4	2434.2	2454.3	2448.9	2459.6	2496.5	2495.8	2479.7
25°	2358.4	2360.5	2315.5	2337.0	2365.1	2393.3	2395.3	2412.7	2453.6	2449.6	2434.8
27.5°	2264.6	2267.3	2219.7	2255.9	2293.4	2329.6	2338.3	2362.5	2404.0	2400.7	2387.9
30°	2166.1	2169.4	2123.2	2172.8	2218.4	2262.6	2281.4	2314.2	2356.4	2356.4	2343.0
32.5°	2063.6	2069.6	2021.3	2087.7	2140.6	2192.2	2225.1	2259.3	2307.5	2306.2	2294.8
35°	1958.3	1965.0	1920.8	2005.2	2058.2	2121.2	2162.1	2207.6	2250.5	2251.2	2242.5
37.5°	1851.1	1859.1	1818.9	1911.4	1971.7	2046.1	2098.4	2144.0	2191.6	2194.2	2186.2
40°	1744.5	1753.2	1718.4	1807.5	1883.9	1967.0	2027.4	2081.0	2133.3	2134.6	2129.2
42.5°	1638.0	1647.4	1621.2	1708.3	1794.8	1883.9	1955.0	2016.0	2069.6	2072.9	2066.9
45°	1534.1	1542.1	1523.4	1618.5	1701.6	1798.8	1880.6	1949.6	2003.9	2008.6	2006.6
47.5°	1430.9	1438.3	1421.5	1508.6	1604.5	1707.7	1802.2	1878.6	1936.2	1941.6	1940.2
50°	1329.7	1335.7	1317.6	1408.8	1503.9	1613.8	1712.4	1800.8	1865.2	1870.5	1869.9
52.5°	1229.2	1235.2	1219.8	1315.6	1402.1	1518.0	1625.2	1721.1	1784.7	1792.8	1794.1
55°	1132.0	1134.7	1122.6	1214.4	1298.2	1419.5	1542.8	1636.0	1699.6	1706.3	1710.4
57.5°	1034.8	1035.5	1025.4	1113.2	1193.6	1317.6	1447.0	1544.8	1605.1	1611.8	1617.9
60°	938.3	937.6	926.2	1011.3	1088.4	1211.1	1345.8	1442.9	1501.3	1507.3	1515.3
62.5°	842.4	840.4	830.4	908.8	981.2	1102.5	1237.9	1331.7	1387.3	1391.3	1402.1
65°	747.3	745.3	735.9	808.3	873.9	989.9	1122.6	1211.7	1262.0	1267.4	1265.3
67.5°	653.4	649.4	642.1	707.1	766.7	873.9	1001.3	1086.4	1128.0	1132.6	1145.4
70°	559.6	554.9	538.2	607.2	659.5	755.3	873.9	949.7	984.5	989.2	987.2
72.5°	467.1	462.4	444.3	508.0	552.2	636.0	741.9	804.9	835.1	839.1	839.1
75°	377.3	374.6	363.2	411.5	448.4	516.7	606.5	658.8	682.3	687.0	685.6
77.5°	290.9	288.9	277.5	319.0	347.8	398.8	471.2	512.0	529.5	534.8	546.2
80°	208.4	207.8	189.7	230.5	243.3	286.2	339.1	370.6	380.0	387.4	395.4
82.5°	133.4	134.0	115.9	150.8	156.2	183.6	216.5	235.9	242.6	248.6	254.7
85°	65.0	67.7	57.6	79.8	80.4	94.5	108.6	115.9	118.6	123.3	128.7
87.5°	16.8	19.4	10.7	22.8	20.1	26.1	30.2	32.2	31.5	34.9	36.9
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°	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2
2.5°	2812.2	2833.6	2822.9	2857.7	2871.1	2849.7	2887.2	2887.9	2861.1	2892.6	2910.0
5°	2768.6	2790.7	2784.0	2820.2	2837.0	2818.2	2863.8	2872.5	2846.3	2881.9	2910.0
7.5°	2724.4	2750.5	2741.8	2778.7	2798.8	2784.0	2832.9	2847.0	2826.9	2865.8	2903.3
10°	2686.2	2708.3	2698.9	2737.8	2755.2	2743.1	2791.4	2817.5	2798.8	2846.3	2891.3
12.5°	2648.6	2666.7	2656.0	2688.2	2704.9	2689.5	2748.5	2772.6	2759.2	2808.8	2866.5
15°	2600.4	2620.5	2605.7	2634.6	2647.3	2633.9	2682.1	2723.7	2706.9	2761.2	2824.9
17.5°	2563.5	2574.9	2554.8	2577.6	2585.0	2566.9	2615.8	2656.7	2644.6	2703.6	2777.3
20°	2522.6	2532.0	2503.9	2516.6	2515.9	2493.2	2538.1	2578.3	2570.2	2635.2	2719.0
22.5°	2477.1	2481.8	2448.9	2451.6	2450.3	2412.7	2452.9	2493.8	2490.5	2556.2	2650.0
25°	2428.8	2429.5	2387.3	2385.9	2371.2	2326.9	2362.5	2408.7	2398.7	2469.7	2568.2
27.5°	2381.2	2374.5	2323.6	2311.5	2288.1	2235.1	2266.6	2308.2	2302.1	2371.8	2481.1
30°	2330.3	2321.6	2259.3	2237.1	2203.0	2142.0	2168.1	2207.0	2210.3	2271.3	2385.9
32.5°	2282.0	2259.9	2190.9	2158.7	2115.8	2044.8	2058.9	2098.4	2103.8	2165.4	2283.4
35°	2219.7	2205.0	2119.8	2064.9	2022.7	1944.9	1959.7	1987.1	1995.2	2055.5	2175.5
37.5°	2160.7	2137.3	2046.8	1979.8	1925.5	1843.7	1847.7	1875.9	1883.9	1944.9	2063.6
40°	2099.7	2066.2	1969.1	1890.6	1828.3	1742.5	1737.8	1767.3	1773.4	1833.0	1940.2
42.5°	2034.7	1994.5	1885.3	1799.5	1727.8	1640.7	1631.3	1656.7	1663.4	1721.7	1827.0
45°	1969.1	1920.8	1799.5	1705.7	1627.3	1538.1	1528.7	1548.2	1558.2	1613.2	1714.4
47.5°	1899.4	1843.1	1711.0	1606.5	1525.4	1436.2	1424.9	1444.3	1452.3	1506.6	1602.5
50°	1826.3	1757.9	1619.9	1504.6	1424.2	1336.4	1319.6	1342.4	1349.8	1400.7	1494.6
52.5°	1745.9	1670.1	1522.7	1402.1	1321.6	1237.9	1217.8	1239.9	1248.6	1298.2	1384.6
55°	1660.8	1579.0	1424.9	1307.6	1220.4	1138.7	1121.9	1130.6	1149.4	1196.3	1276.7
57.5°	1564.9	1483.8	1321.6	1202.3	1118.6	1040.2	1026.1	1034.1	1051.5	1097.1	1169.5
60°	1463.1	1377.3	1216.4	1097.1	1016.0	941.6	928.9	936.3	955.0	996.6	1063.6
62.5°	1362.5	1266.0	1107.8	989.2	915.5	846.5	843.1	840.4	857.9	898.1	957.0
65°	1240.5	1148.1	994.6	882.0	815.0	752.6	739.2	745.3	762.0	798.9	860.5
67.5°	1109.9	1026.1	878.6	774.8	715.1	659.5	648.1	650.8	668.2	700.4	754.0
70°	971.1	897.4	760.0	666.9	616.6	564.3	556.9	557.6	574.4	602.5	649.4
72.5°	825.7	759.3	640.0	560.3	518.7	481.2	474.5	466.5	481.9	506.0	546.2
75°	677.6	619.3	520.7	455.7	422.9	391.4	385.4	377.3	392.7	413.5	445.0
77.5°	528.1	481.2	404.8	354.5	329.1	305.6	300.3	291.5	307.0	322.4	347.2
80°	382.0	347.8	302.3	249.3	240.6	225.2	219.8	210.4	225.2	235.2	254.0
82.5°	246.6	223.8	197.7	160.8	159.5	148.1	145.4	134.7	148.1	154.1	168.2
85°	124.7	113.9	107.2	81.8	84.4	77.1	76.4	65.0	75.7	78.4	86.5
87.5°	35.5	37.5	33.5	20.1	25.5	24.1	24.1	17.4	24.1	24.1	27.5
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: P837922

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4HI-50-120-EDD

**CANDELA DISTRIBUTION (continued):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2
2.5°	2875.8	2887.2	2889.9	2889.2	2896.6	2936.8	2923.4	2936.8
5°	2882.5	2908.0	2914.7	2924.1	2936.2	2981.7	2967.0	2983.1
7.5°	2886.6	2924.8	2939.5	2957.6	2977.0	3028.0	3015.9	3032.0
10°	2886.6	2936.2	2957.6	2987.8	3013.9	3072.9	3061.5	3080.2
12.5°	2874.5	2938.2	2968.3	3010.5	3044.1	3107.7	3103.0	3116.4
15°	2849.7	2928.1	2969.7	3024.0	3065.5	3136.5	3134.5	3150.6
17.5°	2816.2	2910.7	2961.0	3029.3	3081.6	3161.3	3166.0	3174.7
20°	2774.0	2877.8	2943.5	3027.3	3093.0	3180.8	3186.8	3198.9
22.5°	2718.3	2838.3	2917.4	3018.6	3094.3	3188.8	3199.5	3210.9
25°	2652.7	2790.7	2883.2	3001.8	3087.6	3188.2	3202.9	3212.9
27.5°	2577.6	2729.1	2839.6	2975.0	3068.9	3177.4	3195.5	3207.6
30°	2490.5	2663.4	2790.1	2940.2	3043.4	3157.3	3176.8	3188.8
32.5°	2400.7	2591.0	2731.1	2895.3	3006.5	3125.2	3141.9	3151.3
35°	2302.8	2503.2	2660.0	2837.6	2958.9	3073.5	3086.3	3096.3
37.5°	2196.3	2408.0	2578.9	2772.6	2891.9	3001.8	3013.2	3024.6
40°	2086.3	2308.2	2487.8	2692.9	2812.2	2914.0	2926.1	2934.1
42.5°	1975.8	2197.6	2390.6	2599.0	2717.7	2815.5	2822.9	2830.9
45°	1863.8	2083.0	2281.4	2495.2	2612.4	2704.3	2706.9	2713.6
47.5°	1749.9	1964.4	2161.4	2376.5	2492.5	2576.3	2578.9	2584.3
50°	1635.3	1845.7	2033.4	2248.5	2361.8	2450.3	2438.2	2443.6
52.5°	1522.7	1721.1	1912.8	2110.5	2222.4	2300.8	2304.2	2293.4
55°	1412.1	1599.1	1775.4	1965.7	2072.3	2133.3	2131.2	2135.3
57.5°	1300.2	1475.8	1637.3	1811.6	1915.4	1973.1	1985.1	1971.1
60°	1186.3	1351.1	1495.9	1653.4	1753.9	1802.2	1816.2	1802.8
62.5°	1073.0	1224.5	1355.8	1493.2	1586.4	1646.0	1644.7	1629.9
65°	959.7	1097.1	1214.4	1331.0	1412.1	1471.8	1469.1	1455.7
67.5°	855.2	968.4	1073.7	1168.2	1238.5	1279.4	1293.5	1277.4
70°	739.9	837.8	930.2	1006.0	1064.3	1101.1	1114.5	1100.5
72.5°	624.6	707.7	772.7	845.8	890.7	921.5	935.6	922.2
75°	510.7	579.1	632.0	689.0	720.5	746.6	762.7	749.3
77.5°	400.1	453.1	495.3	536.8	573.0	579.1	593.1	584.4
80°	294.9	333.1	363.9	391.4	417.5	420.2	431.6	426.2
82.5°	196.4	221.8	229.9	258.7	275.5	272.8	284.2	280.1
85°	103.9	119.3	133.4	142.1	151.5	142.8	152.8	148.8
87.5°	34.9	36.9	32.2	45.6	50.3	42.9	48.9	46.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)