

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: P837904

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-4HI-40-120-EDD**

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: P837904
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-40-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

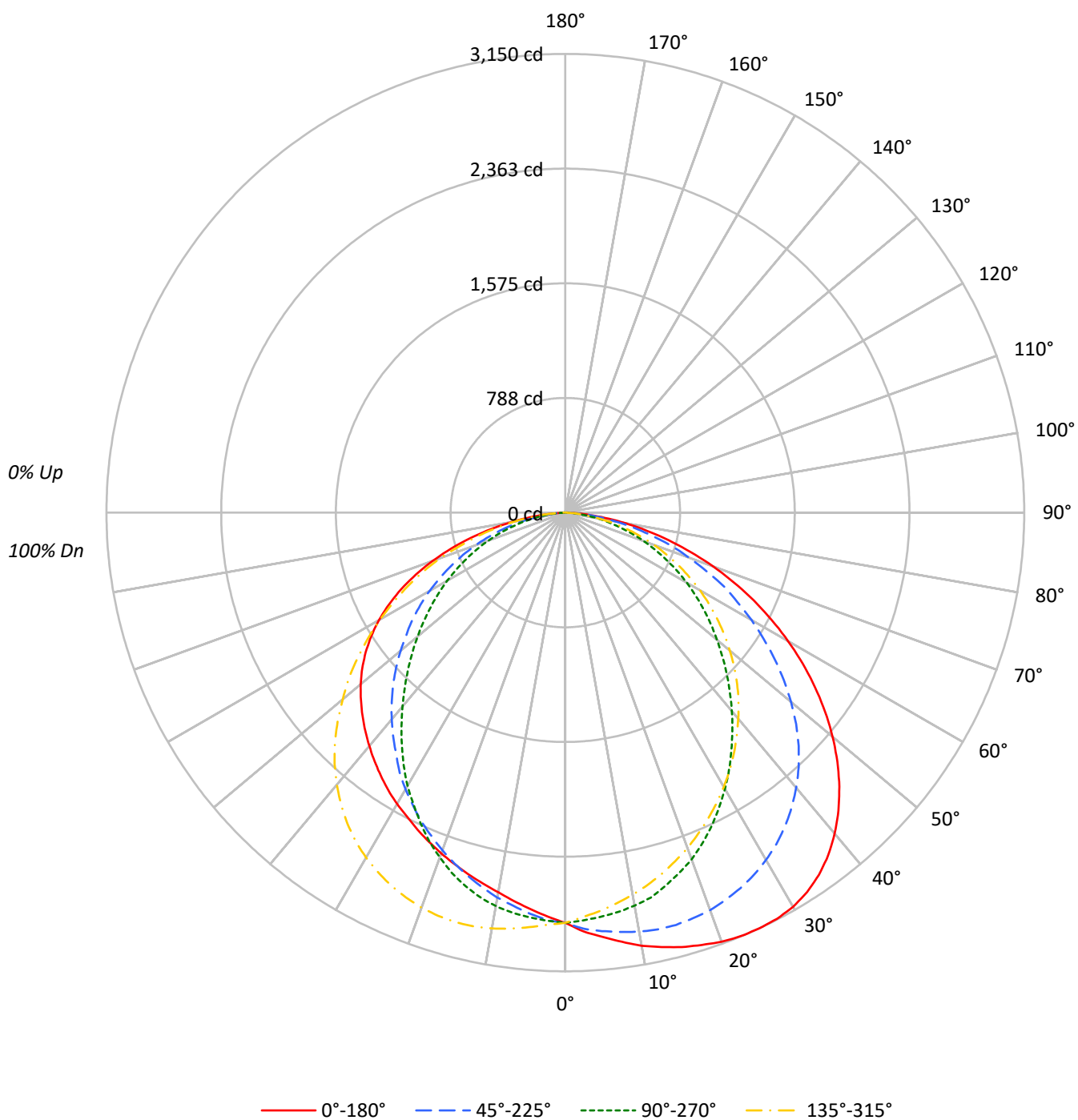
Lumens per Lamp: N/A
Luminaire Lumens: 8264.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7580	7580	7580	7580
5°	7900	7525	7384	7538
10°	8252	7487	7234	7498
15°	8605	7392	7163	7394
20°	8981	7257	7131	7216
25°	9353	7054	7131	6982
30°	9714	6809	7178	6733
35°	9972	6529	7250	6426
40°	10105	6248	7351	6107
45°	10124	5964	7494	5814
50°	10029	5691	7677	5540
55°	9821	5438	7849	5287
60°	9513	5174	7953	5039
65°	9087	4870	7911	4757
70°	8489	4513	7630	4430
75°	7638	4024	7002	4003
80°	6476	3371	5886	3422
85°	4505	2232	3733	2291

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	3.2
10°-20°	774.4	9.4
20°-30°	1186.9	14.4
30°-40°	1443.1	17.5
40°-50°	1500.2	18.2
50°-60°	1355.2	16.4
60°-70°	1030.3	12.5
70°-80°	574.4	7.0
80°-90°	132.2	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°	2228.7	27.0
0°-40°	3671.9	44.4
0°-60°	6527.3	79.0
0°-90°	8264.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8264.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2817	2817	2817	2817	2817	
5°	2925	2786	2733	2790	2925	282
15°	3089	2653	2571	2654	3089	876
25°	3150	2376	2402	2352	3150	1455
35°	3036	1988	2207	1956	3036	1896
45°	2660	1567	1969	1528	2660	2048
55°	2093	1159	1673	1127	2093	1869
65°	1427	765	1242	747	1427	1410
75°	735	387	674	385	735	780
85°	146	72	121	74	146	184
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°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2879.2	2837.2	2837.8	2874.6	2846.4	2860.2	2820.8	2835.9	2831.3	2834.6	2802.4
5°	2924.6	2879.2	2878.6	2910.1	2878.6	2884.5	2834.6	2844.4	2830.0	2820.8	2785.9
7.5°	2972.5	2927.2	2922.6	2950.2	2908.8	2904.2	2849.0	2849.0	2822.7	2799.7	2766.9
10°	3019.9	2973.2	2967.3	2988.3	2937.1	2922.0	2854.9	2844.4	2809.6	2775.4	2739.9
12.5°	3055.3	3008.0	3003.4	3016.6	2958.7	2931.1	2854.9	2834.6	2783.3	2735.3	2707.7
15°	3088.8	3040.2	3027.7	3034.3	2967.9	2931.1	2845.7	2814.2	2748.5	2685.4	2653.2
17.5°	3112.5	3065.8	3053.4	3052.7	2972.5	2920.0	2826.0	2782.7	2703.8	2627.6	2595.4
20°	3136.2	3089.5	3073.7	3061.9	2971.2	2904.9	2797.1	2738.6	2646.6	2561.2	2534.3
22.5°	3148.0	3100.0	3082.9	3065.2	2962.7	2877.3	2761.6	2687.4	2582.2	2480.4	2458.1
25°	3150.0	3100.7	3082.3	3056.6	2945.6	2844.4	2715.6	2625.6	2508.0	2395.0	2375.9
27.5°	3144.7	3090.8	3072.4	3041.5	2920.0	2804.3	2661.1	2555.3	2429.2	2304.3	2283.9
30°	3126.3	3071.8	3054.0	3013.9	2883.8	2755.1	2601.3	2477.1	2341.8	2209.0	2191.3
32.5°	3089.5	3036.3	3021.8	2981.7	2844.4	2697.9	2531.7	2393.0	2245.2	2118.4	2092.1
35°	3035.6	2982.4	2973.2	2931.1	2789.2	2629.6	2455.4	2301.0	2142.7	2013.2	1987.6
37.5°	2965.3	2920.6	2906.8	2865.4	2724.2	2552.0	2368.0	2201.2	2038.2	1898.9	1883.1
40°	2876.6	2834.6	2824.0	2787.3	2648.6	2466.0	2273.4	2098.0	1930.4	1801.0	1778.7
42.5°	2775.4	2736.0	2730.1	2692.0	2555.3	2370.7	2170.9	1990.9	1818.1	1693.2	1670.9
45°	2660.4	2622.3	2621.0	2584.9	2453.5	2264.9	2063.2	1882.5	1708.4	1578.9	1567.1
47.5°	2533.6	2499.5	2499.5	2466.0	2339.8	2148.6	1952.1	1769.5	1598.0	1483.6	1462.6
50°	2395.6	2363.4	2353.6	2337.2	2214.3	2021.8	1835.2	1659.1	1488.9	1379.8	1359.5
52.5°	2248.5	2220.9	2227.4	2197.2	2078.3	1889.7	1716.9	1534.9	1379.2	1280.0	1259.6
55°	2093.4	2054.0	2059.9	2048.7	1936.4	1753.7	1584.2	1432.4	1271.4	1178.1	1159.1
57.5°	1932.4	1881.2	1902.2	1895.6	1785.2	1614.4	1462.6	1316.1	1164.3	1078.2	1059.8
60°	1767.5	1718.2	1739.9	1734.0	1630.2	1475.1	1337.1	1201.1	1057.9	979.7	961.3
62.5°	1598.0	1552.6	1572.3	1567.7	1472.5	1332.5	1212.3	1087.4	950.8	880.5	863.4
65°	1427.1	1383.8	1401.5	1398.2	1310.2	1203.7	1084.2	969.8	843.0	781.9	764.8
67.5°	1252.4	1212.3	1228.7	1228.7	1147.9	1046.0	955.4	850.9	737.2	684.7	668.9
70°	1078.9	1041.4	1055.9	1054.6	986.2	903.5	825.3	732.0	630.1	586.8	573.6
72.5°	904.1	871.3	884.4	883.1	825.9	772.7	695.2	614.4	525.6	490.8	479.0
75°	734.6	703.7	716.2	714.9	668.2	618.3	566.4	499.4	423.1	398.8	387.0
77.5°	573.0	541.4	551.9	551.9	517.8	481.6	440.2	388.3	334.4	308.2	299.6
80°	417.9	402.8	397.5	398.2	375.2	351.5	330.5	280.6	241.1	223.4	217.5
82.5°	274.7	262.2	256.9	258.2	245.1	230.6	217.5	182.7	156.4	145.9	142.6
85°	145.9	136.7	132.1	135.4	132.7	124.8	118.3	94.6	78.2	74.2	72.3
87.5°	46.0	40.1	36.8	48.6	41.4	36.8	35.5	28.3	21.7	21.7	21.0
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°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2812.9	2812.9	2787.3	2781.3	2778.7	2782.0	2756.4	2751.8	2788.6	2776.1	2747.8
5°	2790.5	2789.2	2753.1	2746.5	2746.5	2742.6	2713.7	2707.1	2743.9	2733.4	2702.5
7.5°	2762.9	2759.0	2716.3	2711.7	2705.1	2702.5	2670.3	2665.7	2697.2	2690.7	2661.8
10°	2729.4	2725.5	2674.9	2671.6	2664.4	2659.1	2628.9	2625.6	2657.8	2647.3	2624.3
12.5°	2685.4	2678.2	2626.3	2623.0	2617.1	2615.1	2585.5	2584.2	2619.7	2609.2	2584.9
15°	2627.6	2621.7	2563.9	2565.2	2565.8	2565.8	2542.2	2540.9	2575.7	2571.1	2544.8
17.5°	2563.9	2556.0	2500.8	2504.7	2509.3	2514.6	2496.2	2499.5	2536.3	2530.3	2506.7
20°	2491.6	2483.7	2429.8	2441.0	2450.8	2461.4	2449.5	2458.7	2492.9	2490.3	2472.5
22.5°	2410.8	2402.9	2352.9	2370.0	2386.4	2406.2	2400.9	2411.4	2447.6	2446.9	2431.1
25°	2312.2	2314.2	2270.1	2291.2	2318.8	2346.4	2348.3	2365.4	2405.5	2401.6	2387.1
27.5°	2220.2	2222.8	2176.2	2211.7	2248.5	2283.9	2292.5	2316.1	2356.9	2353.6	2341.1
30°	2123.6	2126.9	2081.6	2130.2	2174.9	2218.2	2236.6	2268.8	2310.2	2310.2	2297.1
32.5°	2023.1	2029.0	1981.7	2046.7	2098.7	2149.2	2181.4	2215.0	2262.3	2260.9	2249.8
35°	1919.9	1926.5	1883.1	1965.9	2017.8	2079.6	2119.7	2164.4	2206.4	2207.1	2198.5
37.5°	1814.8	1822.7	1783.3	1873.9	1933.1	2006.0	2057.3	2101.9	2148.6	2151.2	2143.3
40°	1710.3	1718.9	1684.7	1772.1	1847.0	1928.5	1987.6	2040.2	2091.4	2092.7	2087.5
42.5°	1605.9	1615.1	1589.4	1674.8	1759.6	1847.0	1916.6	1976.4	2029.0	2032.3	2026.4
45°	1504.0	1511.9	1493.5	1586.8	1668.3	1763.6	1843.7	1911.4	1964.6	1969.2	1967.2
47.5°	1402.8	1410.1	1393.6	1479.0	1573.0	1674.2	1766.8	1841.7	1898.2	1903.5	1902.2
50°	1303.6	1309.5	1291.8	1381.1	1474.4	1582.2	1678.8	1765.5	1828.6	1833.9	1833.2
52.5°	1205.0	1211.0	1195.9	1289.8	1374.6	1488.2	1593.4	1687.3	1749.8	1757.6	1759.0
55°	1109.8	1112.4	1100.6	1190.6	1272.7	1391.7	1512.6	1603.9	1666.3	1672.9	1676.8
57.5°	1014.5	1015.2	1005.3	1091.4	1170.2	1291.8	1418.6	1514.5	1573.7	1580.2	1586.1
60°	919.9	919.2	908.1	991.5	1067.1	1187.3	1319.4	1414.7	1471.8	1477.7	1485.6
62.5°	825.9	824.0	814.1	891.0	961.9	1080.9	1213.6	1305.6	1360.1	1364.1	1374.6
65°	732.6	730.7	721.5	792.4	856.8	970.5	1100.6	1188.0	1237.2	1242.5	1240.5
67.5°	640.6	636.7	629.5	693.2	751.7	856.8	981.6	1065.1	1105.8	1110.4	1122.9
70°	548.6	544.0	527.6	595.3	646.5	740.5	856.8	931.1	965.2	969.8	967.9
72.5°	458.0	453.4	435.6	498.1	541.4	623.6	727.4	789.1	818.7	822.6	822.6
75°	369.9	367.3	356.1	403.4	439.6	506.6	594.6	645.9	668.9	673.5	672.2
77.5°	285.2	283.2	272.0	312.8	341.0	391.0	461.9	502.0	519.1	524.3	535.5
80°	204.3	203.7	185.9	226.0	238.5	280.6	332.5	363.4	372.6	379.8	387.7
82.5°	130.8	131.4	113.7	147.8	153.1	180.0	212.2	231.3	237.9	243.8	249.7
85°	63.7	66.4	56.5	78.2	78.8	92.6	106.4	113.7	116.3	120.9	126.2
87.5°	16.4	19.1	10.5	22.3	19.7	25.6	29.6	31.5	30.9	34.2	36.1
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°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2757.0	2778.1	2767.5	2801.7	2814.8	2793.8	2830.6	2831.3	2805.0	2835.9	2853.0
5°	2714.3	2736.0	2729.4	2764.9	2781.3	2762.9	2807.6	2816.2	2790.5	2825.4	2853.0
7.5°	2671.0	2696.6	2688.0	2724.2	2743.9	2729.4	2777.4	2791.2	2771.5	2809.6	2846.4
10°	2633.5	2655.2	2646.0	2684.1	2701.2	2689.4	2736.7	2762.3	2743.9	2790.5	2834.6
12.5°	2596.7	2614.4	2603.9	2635.5	2651.9	2636.8	2694.6	2718.3	2705.1	2753.7	2810.3
15°	2549.4	2569.1	2554.7	2582.9	2595.4	2582.2	2629.6	2670.3	2653.9	2707.1	2769.5
17.5°	2513.3	2524.4	2504.7	2527.1	2534.3	2516.5	2564.5	2604.6	2592.8	2650.6	2722.9
20°	2473.2	2482.4	2454.8	2467.3	2466.6	2444.3	2488.3	2527.7	2519.8	2583.6	2665.7
22.5°	2428.5	2433.1	2400.9	2403.5	2402.2	2365.4	2404.8	2444.9	2441.6	2506.0	2598.0
25°	2381.2	2381.8	2340.5	2339.1	2324.7	2281.3	2316.1	2361.5	2351.6	2421.3	2517.9
27.5°	2334.5	2328.0	2278.0	2266.2	2243.2	2191.3	2222.2	2262.9	2257.0	2325.3	2432.4
30°	2284.6	2276.1	2215.0	2193.3	2159.8	2100.0	2125.6	2163.7	2167.0	2226.8	2339.1
32.5°	2237.3	2215.6	2147.9	2116.4	2074.3	2004.7	2018.5	2057.3	2062.5	2123.0	2238.6
35°	2176.2	2161.7	2078.3	2024.4	1983.0	1906.8	1921.2	1948.2	1956.1	2015.2	2132.8
37.5°	2118.4	2095.4	2006.7	1941.0	1887.7	1807.6	1811.5	1839.1	1847.0	1906.8	2023.1
40°	2058.6	2025.7	1930.4	1853.6	1792.5	1708.4	1703.8	1732.7	1738.6	1797.1	1902.2
42.5°	1994.8	1955.4	1848.3	1764.2	1693.9	1608.5	1599.3	1624.3	1630.8	1688.0	1791.1
45°	1930.4	1883.1	1764.2	1672.2	1595.3	1508.0	1498.8	1517.8	1527.7	1581.5	1680.8
47.5°	1862.1	1806.9	1677.5	1575.0	1495.5	1408.1	1396.9	1416.0	1423.9	1477.1	1571.0
50°	1790.5	1723.5	1588.1	1475.1	1396.3	1310.2	1293.8	1316.1	1323.3	1373.3	1465.2
52.5°	1711.6	1637.4	1492.8	1374.6	1295.7	1213.6	1193.9	1215.6	1224.1	1272.7	1357.5
55°	1628.2	1548.0	1396.9	1281.9	1196.5	1116.3	1099.9	1108.5	1126.9	1172.9	1251.7
57.5°	1534.2	1454.7	1295.7	1178.8	1096.6	1019.8	1006.0	1013.8	1030.9	1075.6	1146.6
60°	1434.4	1350.3	1192.6	1075.6	996.1	923.2	910.7	917.9	936.3	977.0	1042.8
62.5°	1335.8	1241.2	1086.1	969.8	897.5	829.9	826.6	824.0	841.0	880.5	938.3
65°	1216.2	1125.5	975.1	864.7	799.0	737.9	724.7	730.7	747.1	783.2	843.7
67.5°	1088.1	1006.0	861.4	759.6	701.1	646.5	635.4	638.0	655.1	686.6	739.2
70°	952.1	879.8	745.1	653.8	604.5	553.2	546.0	546.7	563.1	590.7	636.7
72.5°	809.5	744.5	627.5	549.3	508.6	471.8	465.2	457.3	472.4	496.1	535.5
75°	664.3	607.1	510.5	446.8	414.6	383.7	377.8	369.9	385.0	405.4	436.3
77.5°	517.8	471.8	396.9	347.6	322.6	299.6	294.4	285.8	300.9	316.0	340.4
80°	374.5	341.0	296.3	244.4	235.9	220.8	215.5	206.3	220.8	230.6	249.0
82.5°	241.8	219.5	193.8	157.7	156.4	145.2	142.6	132.1	145.2	151.1	164.9
85°	122.2	111.7	105.1	80.2	82.8	75.6	74.9	63.7	74.2	76.9	84.8
87.5°	34.8	36.8	32.9	19.7	25.0	23.7	23.7	17.1	23.7	23.7	26.9
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: P837904

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4HI-40-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2819.4	2830.6	2833.2	2832.6	2839.8	2879.2	2866.1	2879.2
5°	2826.0	2851.0	2857.6	2866.8	2878.6	2923.3	2908.8	2924.6
7.5°	2830.0	2867.4	2881.9	2899.6	2918.7	2968.6	2956.8	2972.5
10°	2830.0	2878.6	2899.6	2929.2	2954.8	3012.6	3001.5	3019.9
12.5°	2818.1	2880.6	2910.1	2951.5	2984.4	3046.8	3042.2	3055.3
15°	2793.8	2870.7	2911.4	2964.7	3005.4	3075.0	3073.1	3088.8
17.5°	2761.0	2853.6	2902.9	2969.9	3021.2	3099.4	3104.0	3112.5
20°	2719.6	2821.4	2885.8	2967.9	3032.3	3118.4	3124.3	3136.2
22.5°	2665.0	2782.7	2860.2	2959.4	3033.7	3126.3	3136.8	3148.0
25°	2600.6	2736.0	2826.7	2943.0	3027.1	3125.6	3140.1	3150.0
27.5°	2527.1	2675.6	2784.0	2916.7	3008.7	3115.1	3132.9	3144.7
30°	2441.6	2611.2	2735.3	2882.5	2983.7	3095.4	3114.5	3126.3
32.5°	2353.6	2540.2	2677.5	2838.5	2947.6	3063.9	3080.3	3089.5
35°	2257.7	2454.1	2607.9	2782.0	2900.9	3013.3	3025.8	3035.6
37.5°	2153.2	2360.8	2528.4	2718.3	2835.2	2943.0	2954.1	2965.3
40°	2045.4	2262.9	2439.0	2640.1	2757.0	2856.9	2868.7	2876.6
42.5°	1937.0	2154.5	2343.7	2548.1	2664.4	2760.3	2767.5	2775.4
45°	1827.3	2042.1	2236.6	2446.2	2561.2	2651.2	2653.9	2660.4
47.5°	1715.6	1925.8	2119.0	2329.9	2443.6	2525.7	2528.4	2533.6
50°	1603.2	1809.5	1993.5	2204.4	2315.5	2402.2	2390.4	2395.6
52.5°	1492.8	1687.3	1875.3	2069.1	2178.8	2255.7	2259.0	2248.5
55°	1384.4	1567.7	1740.6	1927.2	2031.6	2091.4	2089.5	2093.4
57.5°	1274.7	1446.8	1605.2	1776.0	1877.9	1934.4	1946.2	1932.4
60°	1163.0	1324.6	1466.6	1621.0	1719.5	1766.8	1780.6	1767.5
62.5°	1052.0	1200.5	1329.2	1463.9	1555.3	1613.7	1612.4	1598.0
65°	940.9	1075.6	1190.6	1304.9	1384.4	1442.9	1440.3	1427.1
67.5°	838.4	949.5	1052.6	1145.3	1214.2	1254.3	1268.1	1252.4
70°	725.4	821.3	912.0	986.2	1043.4	1079.6	1092.7	1078.9
72.5°	612.4	693.9	757.6	829.2	873.2	903.5	917.3	904.1
75°	500.7	567.7	619.6	675.5	706.3	732.0	747.7	734.6
77.5°	392.3	444.2	485.6	526.3	561.8	567.7	581.5	573.0
80°	289.1	326.6	356.8	383.7	409.3	412.0	423.1	417.9
82.5°	192.5	217.5	225.4	253.6	270.1	267.4	278.6	274.7
85°	101.8	117.0	130.8	139.3	148.5	140.0	149.8	145.9
87.5°	34.2	36.1	31.5	44.7	49.3	42.1	48.0	46.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)