

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: P837850

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-4HI-27-120-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: P837850
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-27-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

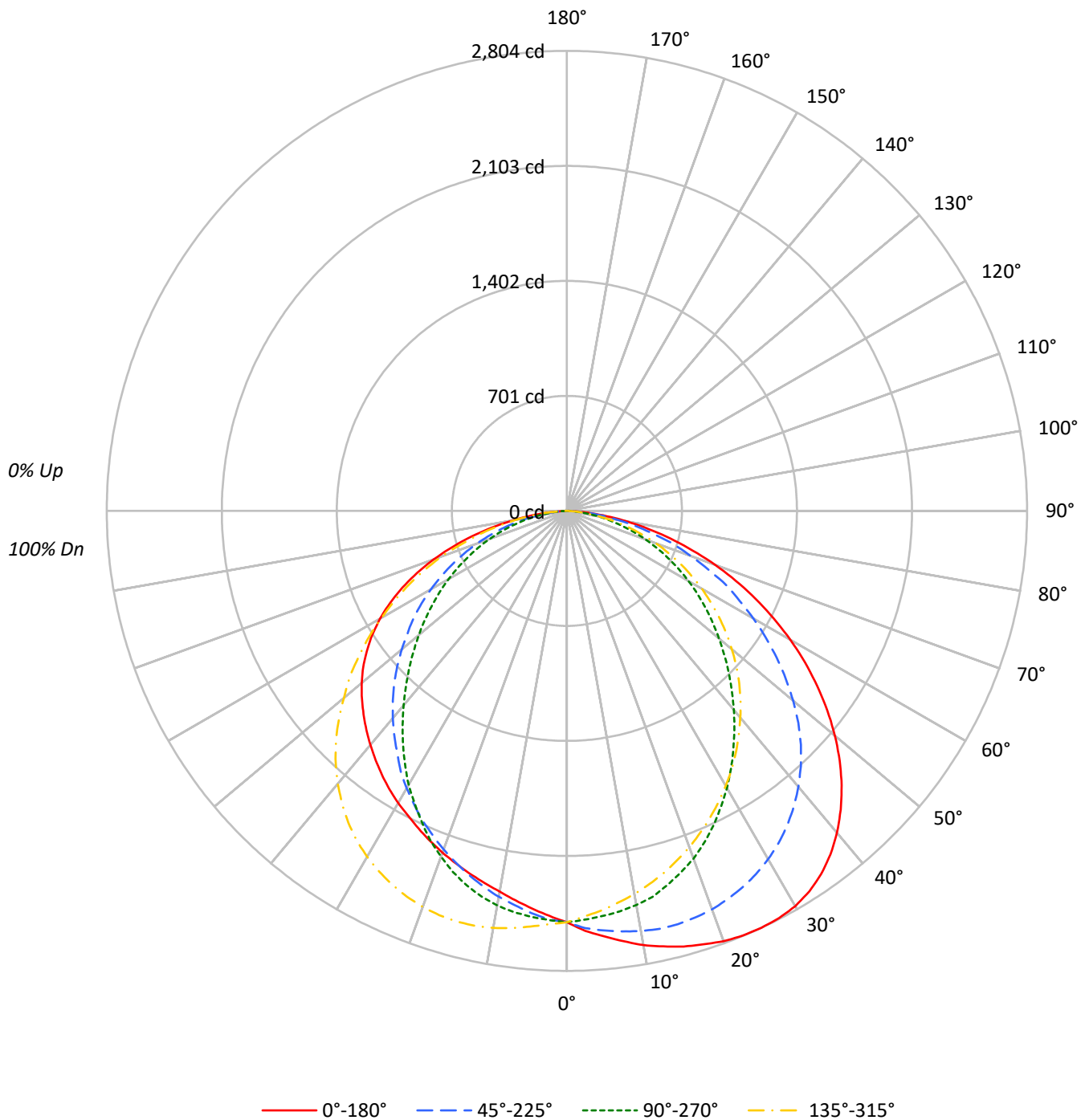
Lumens per Lamp: N/A
Luminaire Lumens: 7355.1 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	6746	6746	6746	6746
5°	7031	6698	6571	6709
10°	7344	6663	6438	6673
15°	7659	6579	6375	6580
20°	7993	6459	6347	6422
25°	8324	6279	6346	6214
30°	8646	6060	6389	5993
35°	8875	5811	6453	5719
40°	8994	5561	6543	5435
45°	9011	5308	6670	5174
50°	8926	5065	6833	4931
55°	8741	4840	6985	4705
60°	8466	4604	7078	4485
65°	8088	4334	7041	4234
70°	7555	4017	6791	3943
75°	6798	3581	6232	3563
80°	5763	3000	5238	3045
85°	4008	1985	3322	2041

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	3.2
10°-20°	689.3	9.4
20°-30°	1056.3	14.4
30°-40°	1284.4	17.5
40°-50°	1335.2	18.2
50°-60°	1206.1	16.4
60°-70°	916.9	12.5
70°-80°	511.2	7.0
80°-90°	117.7	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°	1983.6	27.0
0°-40°	3268.0	44.4
0°-60°	5809.3	79.0
0°-90°	7355.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7355.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2507	2507	2507	2507	2507	
5°	2603	2480	2433	2484	2603	251
15°	2749	2361	2288	2362	2749	779
25°	2804	2115	2137	2093	2804	1295
35°	2702	1769	1964	1741	2702	1687
45°	2368	1395	1753	1360	2368	1823
55°	1863	1032	1489	1003	1863	1663
65°	1270	681	1106	665	1270	1255
75°	654	344	599	343	654	694
85°	130	64	108	66	130	163
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°	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0
2.5°	2562.5	2525.1	2525.7	2558.4	2533.3	2545.6	2510.5	2523.9	2519.8	2522.8	2494.1
5°	2602.9	2562.5	2561.9	2590.0	2561.9	2567.2	2522.8	2531.5	2518.7	2510.5	2479.5
7.5°	2645.6	2605.2	2601.1	2625.7	2588.8	2584.7	2535.6	2535.6	2512.2	2491.8	2462.5
10°	2687.7	2646.1	2640.9	2659.6	2614.0	2600.5	2540.9	2531.5	2500.5	2470.1	2438.6
12.5°	2719.2	2677.1	2673.0	2684.7	2633.3	2608.7	2540.9	2522.8	2477.1	2434.5	2409.9
15°	2749.1	2705.8	2694.7	2700.5	2641.5	2608.7	2532.7	2504.6	2446.2	2390.0	2361.4
17.5°	2770.1	2728.6	2717.5	2716.9	2645.6	2598.8	2515.2	2476.6	2406.4	2338.6	2309.9
20°	2791.2	2749.7	2735.6	2725.1	2644.4	2585.3	2489.4	2437.4	2355.5	2279.5	2255.5
22.5°	2801.7	2759.0	2743.8	2728.0	2636.8	2560.8	2457.8	2391.8	2298.2	2207.6	2187.7
25°	2803.5	2759.6	2743.2	2720.4	2621.6	2531.5	2416.9	2336.8	2232.1	2131.5	2114.6
27.5°	2798.8	2750.8	2734.5	2707.0	2598.8	2495.9	2368.4	2274.2	2161.9	2050.8	2032.7
30°	2782.4	2733.9	2718.1	2682.4	2566.6	2452.0	2315.2	2204.6	2084.2	1966.0	1950.3
32.5°	2749.7	2702.3	2689.4	2653.8	2531.5	2401.1	2253.2	2129.8	1998.2	1885.3	1862.0
35°	2701.7	2654.3	2646.1	2608.7	2482.4	2340.3	2185.3	2047.9	1907.0	1791.8	1769.0
37.5°	2639.1	2599.4	2587.1	2550.2	2424.5	2271.3	2107.6	1959.0	1814.0	1690.0	1676.0
40°	2560.2	2522.8	2513.4	2480.7	2357.3	2194.7	2023.4	1867.2	1718.1	1602.9	1583.0
42.5°	2470.1	2435.0	2429.8	2395.9	2274.2	2109.9	1932.1	1771.9	1618.1	1507.0	1487.1
45°	2367.8	2333.9	2332.7	2300.5	2183.6	2015.8	1836.2	1675.4	1520.4	1405.2	1394.7
47.5°	2254.9	2224.5	2224.5	2194.7	2082.4	1912.2	1737.4	1574.8	1422.2	1320.4	1301.7
50°	2132.1	2103.5	2094.7	2080.1	1970.7	1799.4	1633.3	1476.6	1325.1	1228.0	1209.9
52.5°	2001.1	1976.6	1982.4	1955.5	1849.7	1681.8	1528.0	1366.1	1227.5	1139.2	1121.0
55°	1863.1	1828.0	1833.3	1823.4	1723.4	1560.8	1409.9	1274.8	1131.6	1048.5	1031.6
57.5°	1719.9	1674.2	1693.0	1687.1	1588.9	1436.8	1301.7	1171.3	1036.2	959.6	943.3
60°	1573.1	1529.2	1548.5	1543.2	1450.8	1312.8	1190.0	1069.0	941.5	871.9	855.5
62.5°	1422.2	1381.8	1399.4	1395.3	1310.5	1185.9	1078.9	967.8	846.2	783.6	768.4
65°	1270.2	1231.6	1247.3	1244.4	1166.1	1071.3	964.9	863.1	750.3	695.9	680.7
67.5°	1114.6	1078.9	1093.5	1093.5	1021.6	931.0	850.3	757.3	656.1	609.3	595.3
70°	960.2	926.9	939.7	938.6	877.8	804.1	734.5	651.4	560.8	522.2	510.5
72.5°	804.7	775.4	787.1	786.0	735.1	687.7	618.7	546.8	467.8	436.8	426.3
75°	653.8	626.3	637.4	636.2	594.7	550.3	504.1	444.4	376.6	355.0	344.4
77.5°	509.9	481.9	491.2	491.2	460.8	428.6	391.8	345.6	297.7	274.3	266.7
80°	371.9	358.5	353.8	354.4	333.9	312.9	294.1	249.7	214.6	198.8	193.6
82.5°	244.4	233.3	228.7	229.8	218.1	205.3	193.6	162.6	139.2	129.8	126.9
85°	129.8	121.6	117.5	120.5	118.1	111.1	105.3	84.2	69.6	66.1	64.3
87.5°	40.9	35.7	32.7	43.3	36.8	32.7	31.6	25.1	19.3	19.3	18.7
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°	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0
2.5°	2503.5	2503.5	2480.7	2475.4	2473.1	2476.0	2453.2	2449.1	2481.8	2470.7	2445.6
5°	2483.6	2482.4	2450.2	2444.4	2444.4	2440.9	2415.2	2409.3	2442.1	2432.7	2405.2
7.5°	2459.0	2455.5	2417.5	2413.4	2407.6	2405.2	2376.6	2372.5	2400.5	2394.7	2369.0
10°	2429.2	2425.7	2380.7	2377.7	2371.3	2366.6	2339.7	2336.8	2365.5	2356.1	2335.6
12.5°	2390.0	2383.6	2337.4	2334.5	2329.2	2327.4	2301.1	2300.0	2331.5	2322.2	2300.5
15°	2338.6	2333.3	2281.8	2283.0	2283.6	2283.6	2262.5	2261.4	2292.4	2288.3	2264.9
17.5°	2281.8	2274.8	2225.7	2229.2	2233.3	2238.0	2221.6	2224.5	2257.3	2252.0	2231.0
20°	2217.5	2210.5	2162.5	2172.5	2181.2	2190.6	2180.1	2188.3	2218.7	2216.3	2200.5
22.5°	2145.6	2138.6	2094.1	2109.3	2123.9	2141.5	2136.8	2146.2	2178.3	2177.7	2163.7
25°	2057.9	2059.6	2020.4	2039.1	2063.7	2088.3	2090.0	2105.2	2140.9	2137.4	2124.5
27.5°	1976.0	1978.3	1936.8	1968.4	2001.1	2032.7	2040.3	2061.4	2097.6	2094.7	2083.6
30°	1890.0	1892.9	1852.6	1895.9	1935.6	1974.2	1990.6	2019.3	2056.1	2056.1	2044.4
32.5°	1800.6	1805.8	1763.7	1821.6	1867.8	1912.8	1941.5	1971.3	2013.4	2012.2	2002.3
35°	1708.7	1714.6	1676.0	1749.7	1795.9	1850.8	1886.5	1926.3	1963.7	1964.3	1956.7
37.5°	1615.2	1622.2	1587.1	1667.8	1720.4	1785.3	1831.0	1870.7	1912.2	1914.6	1907.6
40°	1522.2	1529.8	1499.4	1577.2	1643.8	1716.3	1769.0	1815.8	1861.4	1862.5	1857.9
42.5°	1429.2	1437.4	1414.6	1490.6	1566.1	1643.8	1705.8	1759.0	1805.8	1808.7	1803.5
45°	1338.6	1345.6	1329.2	1412.3	1484.8	1569.6	1640.9	1701.1	1748.5	1752.6	1750.8
47.5°	1248.5	1254.9	1240.3	1316.3	1400.0	1490.0	1572.5	1639.2	1689.4	1694.1	1693.0
50°	1160.2	1165.5	1149.7	1229.2	1312.3	1408.2	1494.1	1571.3	1627.5	1632.1	1631.5
52.5°	1072.5	1077.8	1064.3	1147.9	1223.4	1324.5	1418.1	1501.7	1557.3	1564.3	1565.5
55°	987.7	990.0	979.5	1059.6	1132.7	1238.6	1346.2	1427.5	1483.0	1488.9	1492.4
57.5°	902.9	903.5	894.7	971.3	1041.5	1149.7	1262.5	1347.9	1400.6	1406.4	1411.7
60°	818.7	818.1	808.2	882.4	949.7	1056.7	1174.2	1259.0	1309.9	1315.2	1322.2
62.5°	735.1	733.3	724.5	793.0	856.1	962.0	1080.1	1162.0	1210.5	1214.0	1223.4
65°	652.0	650.3	642.1	705.2	762.6	863.7	979.5	1057.3	1101.1	1105.8	1104.1
67.5°	570.2	566.7	560.2	616.9	669.0	762.6	873.7	947.9	984.2	988.3	999.4
70°	488.3	484.2	469.6	529.8	575.4	659.1	762.6	828.6	859.0	863.1	861.4
72.5°	407.6	403.5	387.7	443.3	481.9	555.0	647.4	702.3	728.6	732.1	732.1
75°	329.2	326.9	317.0	359.1	391.2	450.9	529.2	574.8	595.3	599.4	598.2
77.5°	253.8	252.0	242.1	278.4	303.5	347.9	411.1	446.8	462.0	466.7	476.6
80°	181.9	181.3	165.5	201.2	212.3	249.7	295.9	323.4	331.6	338.0	345.0
82.5°	116.4	117.0	101.2	131.6	136.3	160.2	188.9	205.8	211.7	217.0	222.2
85°	56.7	59.1	50.3	69.6	70.2	82.5	94.7	101.2	103.5	107.6	112.3
87.5°	14.6	17.0	9.4	19.9	17.5	22.8	26.3	28.1	27.5	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

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0
2.5°	2453.8	2472.5	2463.1	2493.5	2505.2	2486.5	2519.3	2519.8	2496.4	2523.9	2539.1
5°	2415.7	2435.0	2429.2	2460.8	2475.4	2459.0	2498.8	2506.4	2483.6	2514.6	2539.1
7.5°	2377.1	2400.0	2392.4	2424.5	2442.1	2429.2	2471.9	2484.2	2466.6	2500.5	2533.3
10°	2343.8	2363.1	2354.9	2388.8	2404.0	2393.5	2435.6	2458.4	2442.1	2483.6	2522.8
12.5°	2311.1	2326.9	2317.5	2345.6	2360.2	2346.7	2398.2	2419.3	2407.6	2450.8	2501.1
15°	2269.0	2286.5	2273.6	2298.8	2309.9	2298.2	2340.3	2376.6	2361.9	2409.3	2464.9
17.5°	2236.8	2246.7	2229.2	2249.1	2255.5	2239.7	2282.4	2318.1	2307.6	2359.0	2423.3
20°	2201.1	2209.3	2184.8	2195.9	2195.3	2175.4	2214.6	2249.7	2242.6	2299.4	2372.5
22.5°	2161.4	2165.5	2136.8	2139.1	2138.0	2105.2	2140.3	2176.0	2173.1	2230.4	2312.2
25°	2119.3	2119.8	2083.0	2081.8	2069.0	2030.4	2061.4	2101.7	2092.9	2154.9	2240.9
27.5°	2077.7	2071.9	2027.4	2016.9	1996.5	1950.3	1977.7	2014.0	2008.7	2069.6	2164.9
30°	2033.3	2025.7	1971.3	1952.0	1922.2	1869.0	1891.8	1925.7	1928.6	1981.8	2081.8
32.5°	1991.2	1971.9	1911.7	1883.6	1846.2	1784.2	1796.5	1831.0	1835.6	1889.4	1992.4
35°	1936.8	1923.9	1849.7	1801.7	1764.9	1697.0	1709.9	1733.9	1740.9	1793.5	1898.2
37.5°	1885.3	1864.9	1785.9	1727.5	1680.1	1608.7	1612.3	1636.8	1643.8	1697.0	1800.6
40°	1832.1	1802.9	1718.1	1649.7	1595.3	1520.4	1516.3	1542.1	1547.3	1599.4	1693.0
42.5°	1775.4	1740.3	1645.0	1570.1	1507.6	1431.6	1423.4	1445.6	1451.4	1502.3	1594.1
45°	1718.1	1676.0	1570.1	1488.3	1419.9	1342.1	1333.9	1350.9	1359.6	1407.6	1495.9
47.5°	1657.3	1608.2	1493.0	1401.7	1331.0	1253.2	1243.3	1260.2	1267.2	1314.6	1398.2
50°	1593.5	1533.9	1413.4	1312.8	1242.7	1166.1	1151.4	1171.3	1177.8	1222.2	1304.1
52.5°	1523.4	1457.3	1328.6	1223.4	1153.2	1080.1	1062.6	1081.9	1089.5	1132.7	1208.2
55°	1449.1	1377.8	1243.3	1140.9	1064.9	993.5	978.9	986.5	1002.9	1043.8	1114.0
57.5°	1365.5	1294.7	1153.2	1049.1	976.0	907.6	895.3	902.3	917.5	957.3	1020.4
60°	1276.6	1201.7	1061.4	957.3	886.5	821.6	810.5	816.9	833.3	869.6	928.1
62.5°	1188.9	1104.7	966.6	863.1	798.8	738.6	735.7	733.3	748.5	783.6	835.1
65°	1082.4	1001.7	867.8	769.6	711.1	656.7	645.0	650.3	664.9	697.1	750.9
67.5°	968.4	895.3	766.7	676.0	624.0	575.4	565.5	567.8	583.0	611.1	657.9
70°	847.4	783.0	663.1	581.9	538.0	492.4	486.0	486.5	501.2	525.7	566.7
72.5°	720.5	662.6	558.5	488.9	452.6	419.9	414.0	407.0	420.5	441.5	476.6
75°	591.2	540.3	454.4	397.7	369.0	341.5	336.3	329.2	342.7	360.8	388.3
77.5°	460.8	419.9	353.2	309.4	287.1	266.7	262.0	254.4	267.8	281.3	302.9
80°	333.3	303.5	263.7	217.5	209.9	196.5	191.8	183.6	196.5	205.3	221.6
82.5°	215.2	195.3	172.5	140.3	139.2	129.2	126.9	117.5	129.2	134.5	146.8
85°	108.8	99.4	93.6	71.3	73.7	67.3	66.7	56.7	66.1	68.4	75.4
87.5°	31.0	32.7	29.2	17.5	22.2	21.1	21.1	15.2	21.1	21.1	24.0
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: P837850

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4HI-27-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0	2507.0
2.5°	2509.3	2519.3	2521.6	2521.0	2527.4	2562.5	2550.8	2562.5
5°	2515.2	2537.4	2543.2	2551.4	2561.9	2601.7	2588.8	2602.9
7.5°	2518.7	2552.0	2564.9	2580.7	2597.6	2642.1	2631.5	2645.6
10°	2518.7	2561.9	2580.7	2607.0	2629.8	2681.2	2671.3	2687.7
12.5°	2508.1	2563.7	2590.0	2626.9	2656.1	2711.6	2707.6	2719.2
15°	2486.5	2554.9	2591.2	2638.5	2674.8	2736.8	2735.0	2749.1
17.5°	2457.3	2539.7	2583.6	2643.2	2688.8	2758.4	2762.5	2770.1
20°	2420.4	2511.1	2568.4	2641.5	2698.8	2775.4	2780.6	2791.2
22.5°	2371.9	2476.6	2545.6	2633.9	2699.9	2782.4	2791.8	2801.7
25°	2314.6	2435.0	2515.7	2619.2	2694.1	2781.8	2794.7	2803.5
27.5°	2249.1	2381.2	2477.7	2595.9	2677.7	2772.5	2788.3	2798.8
30°	2173.1	2323.9	2434.5	2565.4	2655.5	2754.9	2771.9	2782.4
32.5°	2094.7	2260.8	2383.0	2526.3	2623.3	2726.8	2741.5	2749.7
35°	2009.3	2184.2	2321.0	2476.0	2581.8	2681.8	2692.9	2701.7
37.5°	1916.3	2101.1	2250.3	2419.3	2523.3	2619.2	2629.2	2639.1
40°	1820.4	2014.0	2170.7	2349.7	2453.8	2542.6	2553.2	2560.2
42.5°	1723.9	1917.5	2085.9	2267.8	2371.3	2456.7	2463.1	2470.1
45°	1626.3	1817.5	1990.6	2177.2	2279.5	2359.6	2361.9	2367.8
47.5°	1526.9	1714.0	1885.9	2073.6	2174.8	2247.9	2250.3	2254.9
50°	1426.9	1610.5	1774.2	1962.0	2060.8	2138.0	2127.4	2132.1
52.5°	1328.6	1501.7	1669.0	1841.5	1939.1	2007.6	2010.5	2001.1
55°	1232.1	1395.3	1549.1	1715.2	1808.2	1861.4	1859.6	1863.1
57.5°	1134.5	1287.7	1428.6	1580.7	1671.3	1721.6	1732.1	1719.9
60°	1035.1	1178.9	1305.2	1442.7	1530.4	1572.5	1584.8	1573.1
62.5°	936.2	1068.4	1183.0	1302.9	1384.2	1436.2	1435.1	1422.2
65°	837.4	957.3	1059.6	1161.4	1232.1	1284.2	1281.8	1270.2
67.5°	746.2	845.0	936.8	1019.3	1080.7	1116.4	1128.6	1114.6
70°	645.6	731.0	811.7	877.8	928.6	960.8	972.5	960.2
72.5°	545.0	617.5	674.3	738.0	777.2	804.1	816.4	804.7
75°	445.6	505.3	551.5	601.2	628.6	651.4	665.5	653.8
77.5°	349.1	395.3	432.2	468.4	500.0	505.3	517.5	509.9
80°	257.3	290.6	317.5	341.5	364.3	366.7	376.6	371.9
82.5°	171.3	193.6	200.6	225.7	240.3	238.0	247.9	244.4
85°	90.6	104.1	116.4	124.0	132.2	124.6	133.3	129.8
87.5°	30.4	32.2	28.1	39.8	43.9	37.4	42.7	40.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)