

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: P837790

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-2HI-30-120-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: P837790
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-30-120-EDD-90
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

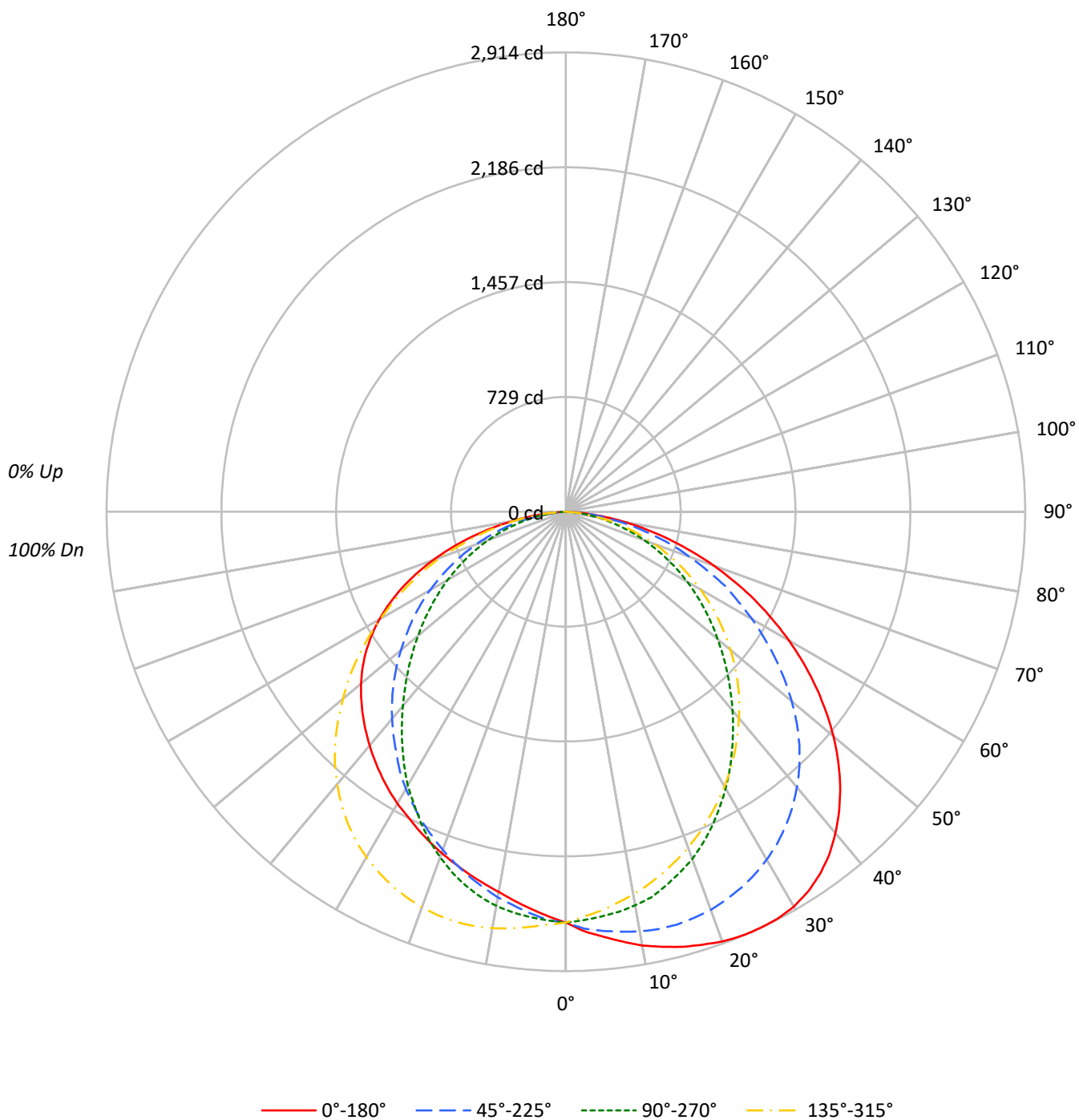
Lumens per Lamp: N/A
Luminaire Lumens: 7645.5 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	7013	7013	7013	7013
5°	7309	6962	6831	6974
10°	7634	6926	6692	6936
15°	7961	6838	6627	6840
20°	8309	6714	6597	6676
25°	8653	6527	6597	6460
30°	8987	6299	6641	6229
35°	9226	6041	6708	5945
40°	9349	5780	6801	5650
45°	9367	5517	6933	5378
50°	9278	5265	7103	5125
55°	9086	5031	7261	4891
60°	8801	4786	7358	4662
65°	8407	4506	7319	4401
70°	7853	4175	7059	4098
75°	7066	3722	6478	3703
80°	5991	3118	5446	3164
85°	4165	2066	3452	2121

Classified

Scaled Data Report

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	3.2
10°-20°	716.5	9.4
20°-30°	1098.0	14.4
30°-40°	1335.1	17.5
40°-50°	1387.9	18.2
50°-60°	1253.7	16.4
60°-70°	953.2	12.5
70°-80°	531.4	7.0
80°-90°	122.3	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°	2061.9	27.0
0°-40°	3397.0	44.4
0°-60°	6038.7	79.0
0°-90°	7645.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7645.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2606	2606	2606	2606	2606	
5°	2706	2577	2529	2582	2706	261
15°	2858	2455	2379	2455	2858	810
25°	2914	2198	2222	2176	2914	1346
35°	2808	1839	2042	1810	2808	1754
45°	2461	1450	1822	1413	2461	1895
55°	1937	1072	1548	1042	1937	1729
65°	1320	708	1150	691	1320	1305
75°	680	358	623	356	680	722
85°	135	67	112	69	135	170
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°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0
2.5°	2663.7	2624.8	2625.4	2659.5	2633.3	2646.1	2609.6	2623.6	2619.3	2622.4	2592.6
5°	2705.7	2663.7	2663.1	2692.3	2663.1	2668.6	2622.4	2631.5	2618.1	2609.6	2577.4
7.5°	2750.0	2708.1	2703.8	2729.4	2691.1	2686.8	2635.7	2635.7	2611.4	2590.2	2559.8
10°	2793.8	2750.6	2745.2	2764.6	2717.2	2703.2	2641.2	2631.5	2599.3	2567.7	2534.8
12.5°	2826.6	2782.9	2778.6	2790.8	2737.3	2711.7	2641.2	2622.4	2575.0	2530.6	2505.1
15°	2857.6	2812.6	2801.1	2807.2	2745.8	2711.7	2632.7	2603.5	2542.7	2484.4	2454.6
17.5°	2879.5	2836.3	2824.8	2824.2	2750.0	2701.4	2614.5	2574.4	2501.4	2430.9	2401.1
20°	2901.4	2858.2	2843.6	2832.7	2748.8	2687.4	2587.7	2533.6	2448.5	2369.5	2344.6
22.5°	2912.3	2868.0	2852.1	2835.7	2740.9	2661.9	2554.9	2486.2	2388.9	2294.7	2274.1
25°	2914.2	2868.6	2851.5	2827.8	2725.1	2631.5	2512.3	2429.1	2320.3	2215.7	2198.1
27.5°	2909.3	2859.4	2842.4	2813.9	2701.4	2594.4	2461.9	2364.0	2247.3	2131.8	2113.0
30°	2892.3	2841.8	2825.4	2788.3	2668.0	2548.8	2406.6	2291.7	2166.5	2043.7	2027.3
32.5°	2858.2	2809.0	2795.6	2758.5	2631.5	2495.9	2342.1	2213.9	2077.1	1959.8	1935.5
35°	2808.4	2759.1	2750.6	2711.7	2580.4	2432.7	2271.6	2128.8	1982.3	1862.5	1838.8
37.5°	2743.3	2702.0	2689.2	2650.9	2520.2	2361.0	2190.8	2036.4	1885.6	1756.8	1742.2
40°	2661.3	2622.4	2612.6	2578.6	2450.3	2281.4	2103.2	1940.9	1785.9	1666.2	1645.5
42.5°	2567.7	2531.2	2525.7	2490.5	2364.0	2193.2	2008.4	1841.9	1682.0	1566.5	1545.8
45°	2461.3	2426.0	2424.8	2391.4	2269.8	2095.3	1908.7	1741.6	1580.5	1460.7	1449.8
47.5°	2344.0	2312.4	2312.4	2281.4	2164.6	1987.8	1806.0	1637.0	1478.4	1372.6	1353.1
50°	2216.3	2186.5	2177.4	2162.2	2048.5	1870.4	1697.8	1534.9	1377.4	1276.5	1257.7
52.5°	2080.1	2054.6	2060.7	2032.7	1922.7	1748.2	1588.4	1420.0	1275.9	1184.1	1165.3
55°	1936.7	1900.2	1905.7	1895.4	1791.4	1622.4	1465.6	1325.2	1176.2	1089.9	1072.3
57.5°	1787.8	1740.3	1759.8	1753.7	1651.6	1493.5	1353.1	1217.6	1077.2	997.5	980.5
60°	1635.2	1589.6	1609.7	1604.2	1508.1	1364.7	1237.0	1111.2	978.7	906.3	889.3
62.5°	1478.4	1436.4	1454.6	1450.4	1362.2	1232.8	1121.5	1006.0	879.6	814.6	798.7
65°	1320.3	1280.2	1296.6	1293.6	1212.1	1113.6	1003.0	897.2	779.9	723.4	707.6
67.5°	1158.6	1121.5	1136.7	1136.7	1062.0	967.7	883.9	787.2	682.0	633.4	618.8
70°	998.1	963.5	976.9	975.6	912.4	835.8	763.5	677.2	583.0	542.8	530.7
72.5°	836.4	806.0	818.2	817.0	764.1	714.9	643.1	568.4	486.3	454.1	443.1
75°	679.6	651.0	662.6	661.4	618.2	572.0	524.0	462.0	391.5	369.0	358.0
77.5°	530.1	500.9	510.6	510.6	479.0	445.6	407.3	359.3	309.4	285.1	277.2
80°	386.6	372.6	367.8	368.4	347.1	325.2	305.8	259.6	223.1	206.7	201.2
82.5°	254.1	242.5	237.7	238.9	226.7	213.4	201.2	169.0	144.7	134.9	131.9
85°	134.9	126.4	122.2	125.2	122.8	115.5	109.4	87.5	72.3	68.7	66.9
87.5°	42.6	37.1	34.0	45.0	38.3	34.0	32.8	26.1	20.1	20.1	19.5
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°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0
2.5°	2602.3	2602.3	2578.6	2573.1	2570.7	2573.7	2550.0	2545.8	2579.8	2568.3	2542.1
5°	2581.6	2580.4	2547.0	2540.9	2540.9	2537.3	2510.5	2504.4	2538.5	2528.8	2500.2
7.5°	2556.1	2552.5	2513.0	2508.7	2502.6	2500.2	2470.4	2466.1	2495.3	2489.2	2462.5
10°	2525.1	2521.5	2474.7	2471.6	2464.9	2460.1	2432.1	2429.1	2458.9	2449.1	2427.9
12.5°	2484.4	2477.7	2429.7	2426.6	2421.2	2419.3	2392.0	2390.8	2423.6	2413.9	2391.4
15°	2430.9	2425.4	2371.9	2373.1	2373.8	2373.8	2351.9	2350.7	2382.9	2378.6	2354.3
17.5°	2371.9	2364.6	2313.6	2317.2	2321.5	2326.3	2309.3	2312.4	2346.4	2340.9	2319.0
20°	2305.1	2297.8	2247.9	2258.3	2267.4	2277.1	2266.2	2274.7	2306.3	2303.8	2287.4
22.5°	2230.3	2223.0	2176.8	2192.6	2207.8	2226.0	2221.2	2230.9	2264.3	2263.7	2249.1
25°	2139.1	2140.9	2100.2	2119.7	2145.2	2170.7	2172.5	2188.3	2225.4	2221.8	2208.4
27.5°	2054.0	2056.4	2013.3	2046.1	2080.1	2113.0	2120.9	2142.8	2180.4	2177.4	2165.9
30°	1964.7	1967.7	1925.7	1970.7	2012.1	2052.2	2069.2	2099.0	2137.3	2137.3	2125.1
32.5°	1871.6	1877.1	1833.4	1893.5	1941.6	1988.4	2018.1	2049.1	2092.9	2091.7	2081.4
35°	1776.2	1782.3	1742.2	1818.8	1866.8	1923.9	1961.0	2002.3	2041.2	2041.9	2033.9
37.5°	1679.0	1686.2	1649.8	1733.7	1788.4	1855.8	1903.3	1944.6	1987.8	1990.2	1982.9
40°	1582.3	1590.2	1558.6	1639.4	1708.7	1784.1	1838.8	1887.5	1934.9	1936.1	1931.2
42.5°	1485.6	1494.2	1470.4	1549.5	1627.9	1708.7	1773.2	1828.5	1877.1	1880.2	1874.7
45°	1391.4	1398.7	1381.7	1468.0	1543.4	1631.5	1705.7	1768.3	1817.5	1821.8	1820.0
47.5°	1297.8	1304.5	1289.3	1368.3	1455.3	1548.9	1634.6	1703.9	1756.2	1761.0	1759.8
50°	1206.0	1211.5	1195.1	1277.8	1364.1	1463.8	1553.1	1633.4	1691.7	1696.6	1696.0
52.5°	1114.8	1120.3	1106.3	1193.3	1271.7	1376.8	1474.1	1561.0	1618.8	1626.1	1627.3
55°	1026.7	1029.1	1018.2	1101.5	1177.5	1287.5	1399.3	1483.8	1541.6	1547.6	1551.3
57.5°	938.6	939.2	930.0	1009.7	1082.6	1195.1	1312.4	1401.2	1455.9	1461.9	1467.4
60°	851.0	850.4	840.1	917.3	987.2	1098.4	1220.6	1308.8	1361.6	1367.1	1374.4
62.5°	764.1	762.3	753.2	824.3	889.9	1000.0	1122.7	1207.8	1258.3	1261.9	1271.7
65°	677.8	676.0	667.4	733.1	792.7	897.8	1018.2	1099.0	1144.6	1149.5	1147.7
67.5°	592.7	589.0	582.3	641.3	695.4	792.7	908.2	985.4	1023.1	1027.3	1038.9
70°	507.6	503.3	488.1	550.7	598.1	685.1	792.7	861.4	893.0	897.2	895.4
72.5°	423.7	419.4	403.0	460.8	500.9	576.9	672.9	730.1	757.4	761.1	761.1
75°	342.2	339.8	329.5	373.2	406.7	468.7	550.1	597.5	618.8	623.1	621.9
77.5°	263.8	262.0	251.7	289.3	315.5	361.7	427.3	464.4	480.2	485.1	495.4
80°	189.0	188.4	172.0	209.1	220.7	259.6	307.6	336.2	344.7	351.4	358.6
82.5°	121.0	121.6	105.2	136.8	141.6	166.6	196.3	214.0	220.1	225.5	231.0
85°	59.0	61.4	52.3	72.3	72.9	85.7	98.5	105.2	107.6	111.8	116.7
87.5°	15.2	17.6	9.7	20.7	18.2	23.7	27.4	29.2	28.6	31.6	33.4
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0
2.5°	2550.6	2570.1	2560.4	2592.0	2604.1	2584.7	2618.7	2619.3	2595.0	2623.6	2639.4
5°	2511.1	2531.2	2525.1	2557.9	2573.1	2556.1	2597.4	2605.4	2581.6	2613.9	2639.4
7.5°	2471.0	2494.7	2486.8	2520.2	2538.5	2525.1	2569.5	2582.3	2564.0	2599.3	2633.3
10°	2436.4	2456.4	2447.9	2483.2	2499.0	2488.0	2531.8	2555.5	2538.5	2581.6	2622.4
12.5°	2402.3	2418.7	2409.0	2438.2	2453.4	2439.4	2492.9	2514.8	2502.6	2547.6	2599.9
15°	2358.6	2376.8	2363.4	2389.6	2401.1	2388.9	2432.7	2470.4	2455.2	2504.4	2562.2
17.5°	2325.1	2335.5	2317.2	2337.9	2344.6	2328.2	2372.5	2409.6	2398.7	2452.2	2519.0
20°	2288.0	2296.6	2271.0	2282.6	2282.0	2261.3	2302.0	2338.5	2331.2	2390.2	2466.1
22.5°	2246.7	2251.0	2221.2	2223.6	2222.4	2188.3	2224.8	2261.9	2258.9	2318.4	2403.5
25°	2202.9	2203.5	2165.3	2164.0	2150.7	2110.5	2142.8	2184.7	2175.6	2240.0	2329.4
27.5°	2159.8	2153.7	2107.5	2096.6	2075.3	2027.3	2055.8	2093.5	2088.1	2151.3	2250.4
30°	2113.6	2105.7	2049.1	2029.1	1998.1	1942.8	1966.5	2001.7	2004.8	2060.1	2164.0
32.5°	2069.8	2049.8	1987.1	1958.0	1919.1	1854.6	1867.4	1903.3	1908.1	1964.0	2071.0
35°	2013.3	1999.9	1922.7	1872.9	1834.6	1764.1	1777.4	1802.3	1809.6	1864.4	1973.2
37.5°	1959.8	1938.5	1856.5	1795.7	1746.4	1672.3	1675.9	1701.4	1708.7	1764.1	1871.6
40°	1904.5	1874.1	1785.9	1714.8	1658.3	1580.5	1576.2	1603.0	1608.4	1662.5	1759.8
42.5°	1845.5	1809.0	1710.0	1632.1	1567.1	1488.1	1479.6	1502.7	1508.7	1561.6	1657.1
45°	1785.9	1742.2	1632.1	1547.0	1475.9	1395.1	1386.6	1404.2	1413.3	1463.2	1554.9
47.5°	1722.7	1671.7	1551.9	1457.1	1383.5	1302.7	1292.3	1310.0	1317.3	1366.5	1453.4
50°	1656.5	1594.5	1469.2	1364.7	1291.7	1212.1	1196.9	1217.6	1224.3	1270.5	1355.6
52.5°	1583.5	1514.8	1381.1	1271.7	1198.7	1122.7	1104.5	1124.6	1132.5	1177.5	1255.9
55°	1506.3	1432.2	1292.3	1186.0	1106.9	1032.8	1017.6	1025.5	1042.5	1085.1	1158.0
57.5°	1419.4	1345.8	1198.7	1090.5	1014.5	943.4	930.7	938.0	953.8	995.1	1060.7
60°	1327.0	1249.2	1103.3	995.1	921.5	854.1	842.5	849.2	866.2	903.9	964.7
62.5°	1235.8	1148.3	1004.8	897.2	830.4	767.7	764.7	762.3	778.1	814.6	868.0
65°	1125.2	1041.3	902.1	800.0	739.2	682.6	670.5	676.0	691.2	724.6	780.5
67.5°	1006.6	930.7	796.9	702.7	648.6	598.1	587.8	590.2	606.1	635.2	683.9
70°	880.8	813.9	689.3	604.8	559.2	511.8	505.1	505.8	520.9	546.5	589.0
72.5°	748.9	688.7	580.5	508.2	470.5	436.5	430.4	423.1	437.1	458.9	495.4
75°	614.6	561.7	472.3	413.4	383.6	355.0	349.5	342.2	356.2	375.1	403.6
77.5°	479.0	436.5	367.2	321.6	298.5	277.2	272.3	264.4	278.4	292.4	314.9
80°	346.5	315.5	274.2	226.1	218.2	204.2	199.4	190.9	204.2	213.4	230.4
82.5°	223.7	203.0	179.3	145.9	144.7	134.3	131.9	122.2	134.3	139.8	152.6
85°	113.1	103.3	97.3	74.2	76.6	69.9	69.3	59.0	68.7	71.1	78.4
87.5°	32.2	34.0	30.4	18.2	23.1	21.9	21.9	15.8	21.9	21.9	24.9
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: P837790

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-2HI-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0
2.5°	2608.4	2618.7	2621.2	2620.5	2627.2	2663.7	2651.6	2663.7
5°	2614.5	2637.6	2643.6	2652.2	2663.1	2704.4	2691.1	2705.7
7.5°	2618.1	2652.8	2666.1	2682.6	2700.2	2746.4	2735.4	2750.0
10°	2618.1	2663.1	2682.6	2709.9	2733.6	2787.1	2776.8	2793.8
12.5°	2607.2	2664.9	2692.3	2730.6	2761.0	2818.7	2814.5	2826.6
15°	2584.7	2655.8	2693.5	2742.7	2780.4	2844.9	2843.0	2857.6
17.5°	2554.3	2640.0	2685.6	2747.6	2795.0	2867.3	2871.6	2879.5
20°	2516.0	2610.2	2669.8	2745.8	2805.3	2885.0	2890.4	2901.4
22.5°	2465.5	2574.4	2646.1	2737.9	2806.6	2892.3	2902.0	2912.3
25°	2406.0	2531.2	2615.1	2722.7	2800.5	2891.7	2905.0	2914.2
27.5°	2337.9	2475.3	2575.6	2698.4	2783.5	2881.9	2898.3	2909.3
30°	2258.9	2415.7	2530.6	2666.7	2760.4	2863.7	2881.3	2892.3
32.5°	2177.4	2350.0	2477.1	2626.0	2726.9	2834.5	2849.7	2858.2
35°	2088.7	2270.4	2412.7	2573.7	2683.8	2787.7	2799.3	2808.4
37.5°	1992.0	2184.1	2339.1	2514.8	2623.0	2722.7	2733.0	2743.3
40°	1892.3	2093.5	2256.4	2442.4	2550.6	2643.0	2654.0	2661.3
42.5°	1792.0	1993.2	2168.3	2357.3	2464.9	2553.7	2560.4	2567.7
45°	1690.5	1889.3	2069.2	2263.1	2369.5	2452.8	2455.2	2461.3
47.5°	1587.2	1781.7	1960.4	2155.5	2260.7	2336.7	2339.1	2344.0
50°	1483.2	1674.1	1844.3	2039.4	2142.2	2222.4	2211.4	2216.3
52.5°	1381.1	1561.0	1734.9	1914.2	2015.7	2086.8	2089.9	2080.1
55°	1280.8	1450.4	1610.3	1782.9	1879.5	1934.9	1933.0	1936.7
57.5°	1179.3	1338.5	1485.0	1643.1	1737.3	1789.6	1800.5	1787.8
60°	1075.9	1225.5	1356.8	1499.6	1590.8	1634.6	1647.3	1635.2
62.5°	973.2	1110.6	1229.7	1354.3	1438.8	1492.9	1491.7	1478.4
65°	870.5	995.1	1101.5	1207.2	1280.8	1334.9	1332.5	1320.3
67.5°	775.6	878.4	973.8	1059.5	1123.4	1160.4	1173.2	1158.6
70°	671.1	759.8	843.7	912.4	965.3	998.7	1010.9	998.1
72.5°	566.5	641.9	700.9	767.1	807.9	835.8	848.6	836.4
75°	463.2	525.2	573.2	624.9	653.5	677.2	691.8	679.6
77.5°	362.9	410.9	449.2	486.9	519.7	525.2	538.0	530.1
80°	267.5	302.1	330.1	355.0	378.7	381.1	391.5	386.6
82.5°	178.1	201.2	208.5	234.6	249.8	247.4	257.7	254.1
85°	94.2	108.2	121.0	128.9	137.4	129.5	138.6	134.9
87.5°	31.6	33.4	29.2	41.3	45.6	38.9	44.4	42.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)