

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: P838095

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-2STD-35-120-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: P838095
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-4-INS-ASY2R-LD4-2STD-35-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

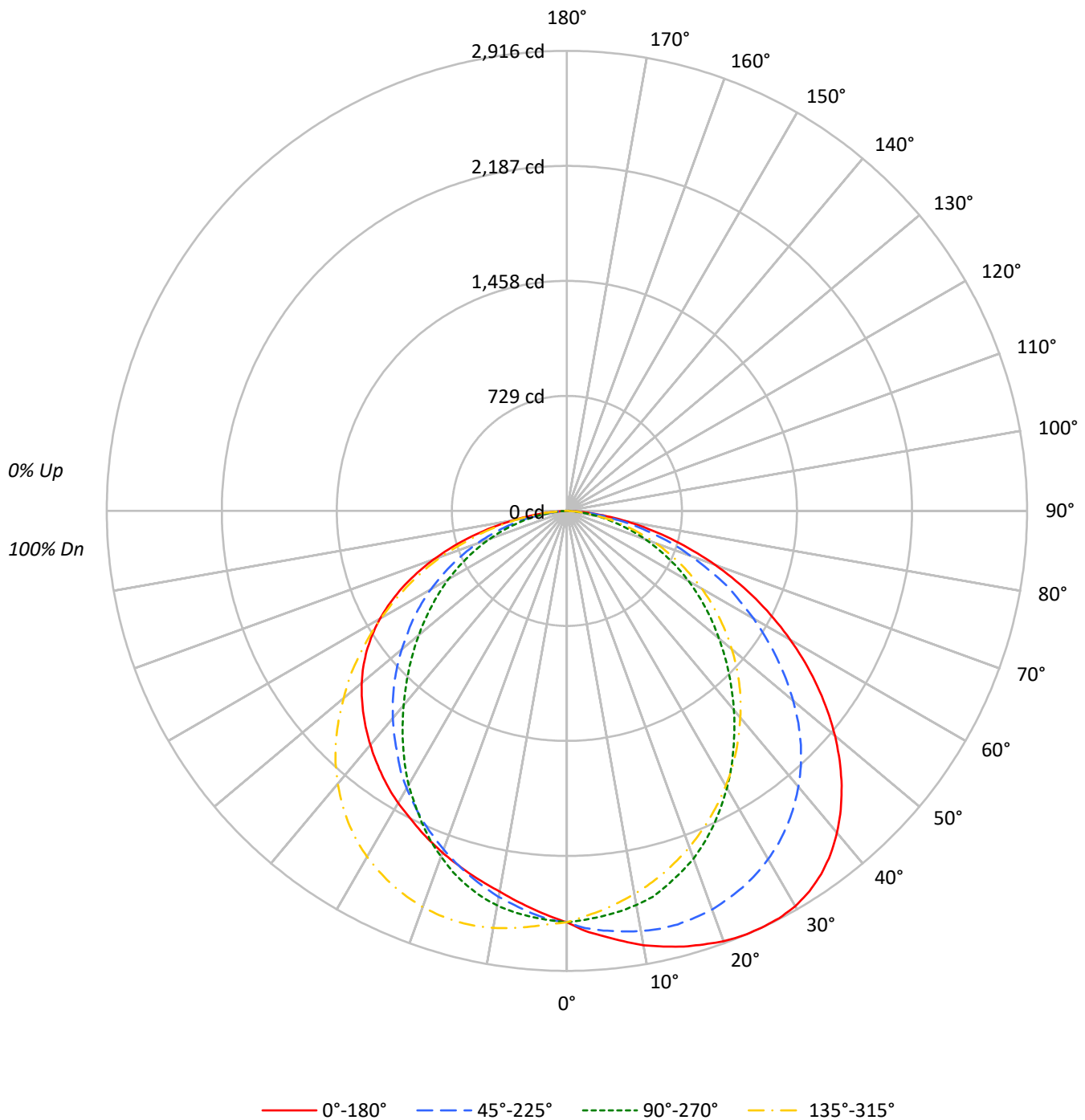
Lumens per Lamp: N/A
Luminaire Lumens: 7650.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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°	3508	3508	3508	3508
5°	3657	3483	3417	3489
10°	3819	3465	3348	3470
15°	3983	3421	3315	3422
20°	4157	3359	3301	3340
25°	4329	3265	3300	3232
30°	4496	3152	3323	3117
35°	4616	3022	3356	2974
40°	4677	2892	3403	2827
45°	4686	2760	3469	2691
50°	4642	2634	3553	2564
55°	4546	2517	3633	2447
60°	4403	2395	3681	2333
65°	4206	2254	3662	2202
70°	3929	2089	3532	2051
75°	3535	1863	3241	1853
80°	2997	1560	2724	1584
85°	2084	1033	1727	1061

Classified

Scaled Data Report

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.6	3.2
10°-20°	716.9	9.4
20°-30°	1098.7	14.4
30°-40°	1335.9	17.5
40°-50°	1388.8	18.2
50°-60°	1254.5	16.4
60°-70°	953.7	12.5
70°-80°	531.7	7.0
80°-90°	122.4	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°	2063.2	27.0
0°-40°	3399.1	44.4
0°-60°	6042.4	79.0
0°-90°	7650.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7650.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2608	2608	2608	2608	2608	
5°	2707	2579	2530	2583	2707	261
15°	2859	2456	2380	2457	2859	811
25°	2916	2199	2223	2177	2916	1347
35°	2810	1840	2043	1811	2810	1755
45°	2463	1451	1823	1414	2463	1896
55°	1938	1073	1549	1043	1938	1730
65°	1321	708	1150	692	1321	1306
75°	680	358	624	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°	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6
2.5°	2665.3	2626.4	2627.0	2661.1	2634.9	2647.7	2611.2	2625.2	2620.9	2624.0	2594.2
5°	2707.3	2665.3	2664.7	2693.9	2664.7	2670.2	2624.0	2633.1	2619.7	2611.2	2579.0
7.5°	2751.7	2709.7	2705.5	2731.0	2692.7	2688.5	2637.4	2637.4	2613.0	2591.7	2561.3
10°	2795.5	2752.3	2746.8	2766.3	2718.9	2704.9	2642.8	2633.1	2600.9	2569.2	2536.4
12.5°	2828.3	2784.6	2780.3	2792.5	2738.9	2713.4	2642.8	2624.0	2576.5	2532.1	2506.6
15°	2859.4	2814.4	2802.8	2808.9	2747.5	2713.4	2634.3	2605.1	2544.3	2485.9	2456.1
17.5°	2881.3	2838.1	2826.5	2825.9	2751.7	2703.0	2616.1	2575.9	2502.9	2432.4	2402.6
20°	2903.2	2860.0	2845.4	2834.4	2750.5	2689.1	2589.3	2535.2	2450.0	2370.9	2346.0
22.5°	2914.1	2869.7	2853.9	2837.5	2742.6	2663.5	2556.5	2487.7	2390.4	2296.1	2275.5
25°	2915.9	2870.3	2853.3	2829.6	2726.8	2633.1	2513.9	2430.6	2321.7	2217.1	2199.4
27.5°	2911.1	2861.2	2844.2	2815.6	2703.0	2596.0	2463.4	2365.5	2248.7	2133.1	2114.3
30°	2894.0	2843.6	2827.1	2790.0	2669.6	2550.4	2408.0	2293.1	2167.8	2044.9	2028.5
32.5°	2860.0	2810.7	2797.3	2760.2	2633.1	2497.5	2343.6	2215.2	2078.4	1961.0	1936.7
35°	2810.1	2760.8	2752.3	2713.4	2582.0	2434.2	2273.0	2130.1	1983.5	1863.7	1839.9
37.5°	2745.0	2703.7	2690.9	2652.6	2521.8	2362.4	2192.1	2037.6	1886.8	1757.8	1743.2
40°	2662.9	2624.0	2614.2	2580.2	2451.8	2282.7	2104.5	1942.1	1787.0	1667.2	1646.5
42.5°	2569.2	2532.7	2527.3	2492.0	2365.5	2194.6	2009.6	1843.0	1683.0	1567.5	1546.8
45°	2462.8	2427.5	2426.3	2392.8	2271.2	2096.6	1909.9	1742.6	1581.4	1461.6	1450.7
47.5°	2345.4	2313.8	2313.8	2282.7	2166.0	1989.0	1807.1	1638.0	1479.3	1373.4	1354.0
50°	2217.7	2187.9	2178.7	2163.5	2049.8	1871.6	1698.8	1535.8	1378.3	1277.3	1258.5
52.5°	2081.4	2055.9	2062.0	2034.0	1923.9	1749.3	1589.3	1420.9	1276.7	1184.9	1166.0
55°	1937.9	1901.4	1906.9	1896.5	1792.5	1623.4	1466.5	1326.0	1177.0	1090.6	1072.9
57.5°	1788.9	1741.4	1760.9	1754.8	1652.6	1494.5	1354.0	1218.3	1077.8	998.1	981.1
60°	1636.2	1590.6	1610.6	1605.2	1509.1	1365.5	1237.8	1111.9	979.3	906.9	889.9
62.5°	1479.3	1437.3	1455.5	1451.3	1363.1	1233.5	1122.2	1006.6	880.1	815.1	799.2
65°	1321.1	1281.0	1297.4	1294.3	1212.8	1114.3	1003.6	897.8	780.4	723.8	708.0
67.5°	1159.3	1122.2	1137.4	1137.4	1062.6	968.3	884.4	787.7	682.5	633.8	619.2
70°	998.7	964.1	977.5	976.2	913.0	836.3	764.0	677.6	583.3	543.2	531.0
72.5°	836.9	806.5	818.7	817.5	764.6	715.3	643.5	568.7	486.6	454.4	443.4
75°	680.0	651.4	663.0	661.8	618.6	572.4	524.3	462.3	391.7	369.2	358.3
77.5°	530.4	501.2	510.9	510.9	479.3	445.8	407.5	359.5	309.6	285.3	277.4
80°	386.8	372.9	368.0	368.6	347.3	325.4	305.9	259.7	223.2	206.8	201.3
82.5°	254.2	242.7	237.8	239.0	226.9	213.5	201.3	169.1	144.8	135.0	132.0
85°	135.0	126.5	122.3	125.3	122.9	115.6	109.5	87.6	72.4	68.7	66.9
87.5°	42.6	37.1	34.1	45.0	38.3	34.1	32.8	26.2	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°	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6
2.5°	2603.9	2603.9	2580.2	2574.7	2572.3	2575.3	2551.6	2547.3	2581.4	2569.8	2543.7
5°	2583.2	2582.0	2548.6	2542.5	2542.5	2538.8	2512.1	2506.0	2540.0	2530.3	2501.7
7.5°	2557.7	2554.0	2514.5	2510.2	2504.2	2501.7	2471.9	2467.7	2496.9	2490.8	2464.0
10°	2526.7	2523.0	2476.2	2473.1	2466.4	2461.6	2433.6	2430.6	2460.4	2450.6	2429.3
12.5°	2485.9	2479.2	2431.2	2428.1	2422.6	2420.8	2393.5	2392.2	2425.1	2415.3	2392.8
15°	2432.4	2426.9	2373.4	2374.6	2375.2	2375.2	2353.3	2352.1	2384.3	2380.1	2355.7
17.5°	2373.4	2366.1	2315.0	2318.6	2322.9	2327.8	2310.7	2313.8	2347.8	2342.4	2320.5
20°	2306.5	2299.2	2249.3	2259.6	2268.8	2278.5	2267.5	2276.1	2307.7	2305.3	2288.8
22.5°	2231.7	2224.4	2178.1	2193.9	2209.2	2227.4	2222.5	2232.3	2265.7	2265.1	2250.5
25°	2140.4	2142.2	2101.5	2121.0	2146.5	2172.0	2173.9	2189.7	2226.8	2223.1	2209.8
27.5°	2055.3	2057.7	2014.5	2047.4	2081.4	2114.3	2122.2	2144.1	2181.8	2178.7	2167.2
30°	1965.9	1968.9	1926.9	1971.9	2013.3	2053.4	2070.5	2100.3	2138.6	2138.6	2126.4
32.5°	1872.8	1878.3	1834.5	1894.7	1942.7	1989.6	2019.4	2050.4	2094.2	2093.0	2082.6
35°	1777.3	1783.4	1743.2	1819.9	1867.9	1925.1	1962.2	2003.6	2042.5	2043.1	2035.2
37.5°	1680.0	1687.3	1650.8	1734.7	1789.5	1857.0	1904.4	1945.8	1989.0	1991.4	1984.1
40°	1583.3	1591.2	1559.5	1640.4	1709.8	1785.2	1839.9	1888.6	1936.0	1937.3	1932.4
42.5°	1486.6	1495.1	1471.3	1550.4	1628.9	1709.8	1774.3	1829.6	1878.3	1881.3	1875.8
45°	1392.3	1399.6	1382.5	1468.9	1544.3	1632.5	1706.7	1769.4	1818.7	1822.9	1821.1
47.5°	1298.6	1305.3	1290.1	1369.2	1456.1	1549.8	1635.6	1704.9	1757.2	1762.1	1760.9
50°	1206.8	1212.2	1195.8	1278.5	1364.9	1464.7	1554.1	1634.4	1692.8	1697.6	1697.0
52.5°	1115.5	1121.0	1107.0	1194.0	1272.5	1377.7	1475.0	1562.0	1619.8	1627.1	1628.3
55°	1027.3	1029.8	1018.8	1102.1	1178.2	1288.3	1400.2	1484.7	1542.5	1548.6	1552.2
57.5°	939.1	939.7	930.6	1010.3	1083.3	1195.8	1313.2	1402.0	1456.8	1462.8	1468.3
60°	851.5	850.9	840.6	917.8	987.8	1099.1	1221.4	1309.6	1362.5	1367.9	1375.2
62.5°	764.6	762.7	753.6	824.8	890.5	1000.6	1123.4	1208.6	1259.1	1262.7	1272.5
65°	678.2	676.4	667.9	733.5	793.2	898.4	1018.8	1099.7	1145.3	1150.2	1148.4
67.5°	593.0	589.4	582.7	641.7	695.8	793.2	908.7	986.0	1023.7	1027.9	1039.5
70°	507.9	503.6	488.4	551.1	598.5	685.5	793.2	861.9	893.5	897.8	895.9
72.5°	423.9	419.7	403.3	461.1	501.2	577.2	673.3	730.5	757.9	761.5	761.5
75°	342.4	340.0	329.7	373.5	406.9	469.0	550.5	597.9	619.2	623.5	622.2
77.5°	264.0	262.2	251.8	289.5	315.7	361.9	427.6	464.7	480.5	485.4	495.7
80°	189.2	188.6	172.1	209.2	220.8	259.7	307.8	336.4	344.9	351.6	358.9
82.5°	121.0	121.6	105.2	136.9	141.7	166.7	196.5	214.1	220.2	225.7	231.1
85°	59.0	61.4	52.3	72.4	73.0	85.8	98.5	105.2	107.7	111.9	116.8
87.5°	15.2	17.6	9.7	20.7	18.2	23.7	27.4	29.2	28.6	31.6	33.5
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6
2.5°	2552.2	2571.7	2561.9	2593.6	2605.7	2586.3	2620.3	2620.9	2596.6	2625.2	2641.0
5°	2512.7	2532.7	2526.7	2559.5	2574.7	2557.7	2599.0	2606.9	2583.2	2615.5	2641.0
7.5°	2472.5	2496.2	2488.3	2521.8	2540.0	2526.7	2571.1	2583.8	2565.6	2600.9	2634.9
10°	2437.9	2457.9	2449.4	2484.7	2500.5	2489.6	2533.3	2557.1	2540.0	2583.2	2624.0
12.5°	2403.8	2420.2	2410.5	2439.7	2454.9	2440.9	2494.4	2516.3	2504.2	2549.2	2601.5
15°	2360.0	2378.2	2364.9	2391.0	2402.6	2390.4	2434.2	2471.9	2456.7	2506.0	2563.8
17.5°	2326.5	2336.9	2318.6	2339.3	2346.0	2329.6	2374.0	2411.1	2400.1	2453.7	2520.6
20°	2289.4	2298.0	2272.4	2284.0	2283.4	2262.7	2303.4	2339.9	2332.6	2391.6	2467.7
22.5°	2248.1	2252.3	2222.5	2225.0	2223.7	2189.7	2226.2	2263.3	2260.2	2319.9	2405.0
25°	2204.3	2204.9	2166.6	2165.4	2152.0	2111.8	2144.1	2186.0	2176.9	2241.4	2330.8
27.5°	2161.1	2155.0	2108.8	2097.8	2076.6	2028.5	2057.1	2094.8	2089.3	2152.6	2251.7
30°	2114.9	2107.0	2050.4	2030.3	1999.3	1944.0	1967.7	2003.0	2006.0	2061.3	2165.4
32.5°	2071.1	2051.0	1988.4	1959.2	1920.2	1855.8	1868.5	1904.4	1909.3	1965.2	2072.3
35°	2014.5	2001.1	1923.9	1874.0	1835.7	1765.1	1778.5	1803.5	1810.8	1865.5	1974.4
37.5°	1961.0	1939.7	1857.6	1796.8	1747.5	1673.3	1676.9	1702.5	1709.8	1765.1	1872.8
40°	1905.6	1875.2	1787.0	1715.9	1659.3	1581.4	1577.2	1603.9	1609.4	1663.6	1760.9
42.5°	1846.6	1810.1	1711.0	1633.1	1568.1	1489.0	1480.5	1503.6	1509.7	1562.6	1658.1
45°	1787.0	1743.2	1633.1	1548.0	1476.8	1395.9	1387.4	1405.0	1414.2	1464.0	1555.9
47.5°	1723.8	1672.7	1552.9	1458.0	1384.4	1303.5	1293.1	1310.8	1318.1	1367.3	1454.3
50°	1657.5	1595.4	1470.1	1365.5	1292.5	1212.8	1197.6	1218.3	1225.0	1271.2	1356.4
52.5°	1584.5	1515.8	1381.9	1272.5	1199.5	1123.4	1105.2	1125.3	1133.2	1178.2	1256.6
55°	1507.2	1433.0	1293.1	1186.7	1107.6	1033.4	1018.2	1026.1	1043.1	1085.7	1158.7
57.5°	1420.3	1346.7	1199.5	1091.2	1015.2	944.0	931.2	938.5	954.3	995.7	1061.4
60°	1327.8	1249.9	1104.0	995.7	922.1	854.6	843.0	849.7	866.8	904.5	965.3
62.5°	1236.6	1149.0	1005.4	897.8	830.9	768.2	765.2	762.7	778.6	815.1	868.6
65°	1125.9	1041.9	902.6	800.5	739.6	683.1	670.9	676.4	691.6	725.0	781.0
67.5°	1007.3	931.2	797.4	703.1	649.0	598.5	588.2	590.6	606.4	635.6	684.3
70°	881.3	814.4	689.8	605.2	559.6	512.1	505.5	506.1	521.3	546.8	589.4
72.5°	749.4	689.1	580.9	508.5	470.8	436.7	430.6	423.3	437.3	459.2	495.7
75°	614.9	562.0	472.6	413.6	383.8	355.2	349.7	342.4	356.4	375.3	403.9
77.5°	479.3	436.7	367.4	321.8	298.6	277.4	272.5	264.6	278.6	292.6	315.1
80°	346.7	315.7	274.3	226.3	218.4	204.4	199.5	191.0	204.4	213.5	230.5
82.5°	223.8	203.2	179.4	146.0	144.8	134.4	132.0	122.3	134.4	139.9	152.7
85°	113.1	103.4	97.3	74.2	76.6	69.9	69.3	59.0	68.7	71.2	78.5
87.5°	32.2	34.1	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: P838095

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-2STD-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6	2607.6
2.5°	2610.0	2620.3	2622.8	2622.2	2628.8	2665.3	2653.2	2665.3
5°	2616.1	2639.2	2645.3	2653.8	2664.7	2706.1	2692.7	2707.3
7.5°	2619.7	2654.4	2667.8	2684.2	2701.8	2748.1	2737.1	2751.7
10°	2619.7	2664.7	2684.2	2711.6	2735.3	2788.8	2778.5	2795.5
12.5°	2608.8	2666.6	2693.9	2732.2	2762.7	2820.4	2816.2	2828.3
15°	2586.3	2657.4	2695.1	2744.4	2782.1	2846.6	2844.8	2859.4
17.5°	2555.9	2641.6	2687.2	2749.3	2796.7	2869.1	2873.4	2881.3
20°	2517.5	2611.8	2671.4	2747.5	2807.1	2886.7	2892.2	2903.2
22.5°	2467.0	2575.9	2647.7	2739.5	2808.3	2894.0	2903.8	2914.1
25°	2407.4	2532.7	2616.7	2724.3	2802.2	2893.4	2906.8	2915.9
27.5°	2339.3	2476.8	2577.1	2700.0	2785.2	2883.7	2900.1	2911.1
30°	2260.2	2417.2	2532.1	2668.4	2762.0	2865.4	2883.1	2894.0
32.5°	2178.7	2351.5	2478.6	2627.6	2728.6	2836.3	2851.5	2860.0
35°	2089.9	2271.8	2414.1	2575.3	2685.4	2789.4	2801.0	2810.1
37.5°	1993.2	2185.4	2340.5	2516.3	2624.6	2724.3	2734.7	2745.0
40°	1893.5	2094.8	2257.8	2443.9	2552.2	2644.7	2655.6	2662.9
42.5°	1793.1	1994.4	2169.6	2358.8	2466.4	2555.2	2561.9	2569.2
45°	1691.5	1890.4	2070.5	2264.5	2370.9	2454.3	2456.7	2462.8
47.5°	1588.1	1782.8	1961.6	2156.8	2262.1	2338.1	2340.5	2345.4
50°	1484.1	1675.1	1845.4	2040.7	2143.5	2223.7	2212.8	2217.7
52.5°	1381.9	1562.0	1735.9	1915.4	2016.9	2088.1	2091.2	2081.4
55°	1281.6	1451.3	1611.2	1784.0	1880.7	1936.0	1934.2	1937.9
57.5°	1180.0	1339.4	1485.9	1644.1	1738.4	1790.7	1801.6	1788.9
60°	1076.6	1226.2	1357.6	1500.5	1591.8	1635.6	1648.3	1636.2
62.5°	973.8	1111.3	1230.5	1355.2	1439.7	1493.9	1492.6	1479.3
65°	871.0	995.7	1102.1	1208.0	1281.6	1335.7	1333.3	1321.1
67.5°	776.1	878.9	974.4	1060.2	1124.0	1161.1	1173.9	1159.3
70°	671.5	760.3	844.2	913.0	965.9	999.3	1011.5	998.7
72.5°	566.9	642.3	701.3	767.6	808.4	836.3	849.1	836.9
75°	463.5	525.5	573.6	625.3	653.9	677.6	692.2	680.0
77.5°	363.1	411.2	449.5	487.2	520.1	525.5	538.3	530.4
80°	267.6	302.3	330.3	355.2	378.9	381.4	391.7	386.8
82.5°	178.2	201.3	208.6	234.8	250.0	247.6	257.9	254.2
85°	94.3	108.3	121.0	128.9	137.5	129.6	138.7	135.0
87.5°	31.6	33.5	29.2	41.4	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)