

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: P838223

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3LO-40-120-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: P838223
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-LD4-3LO-40-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

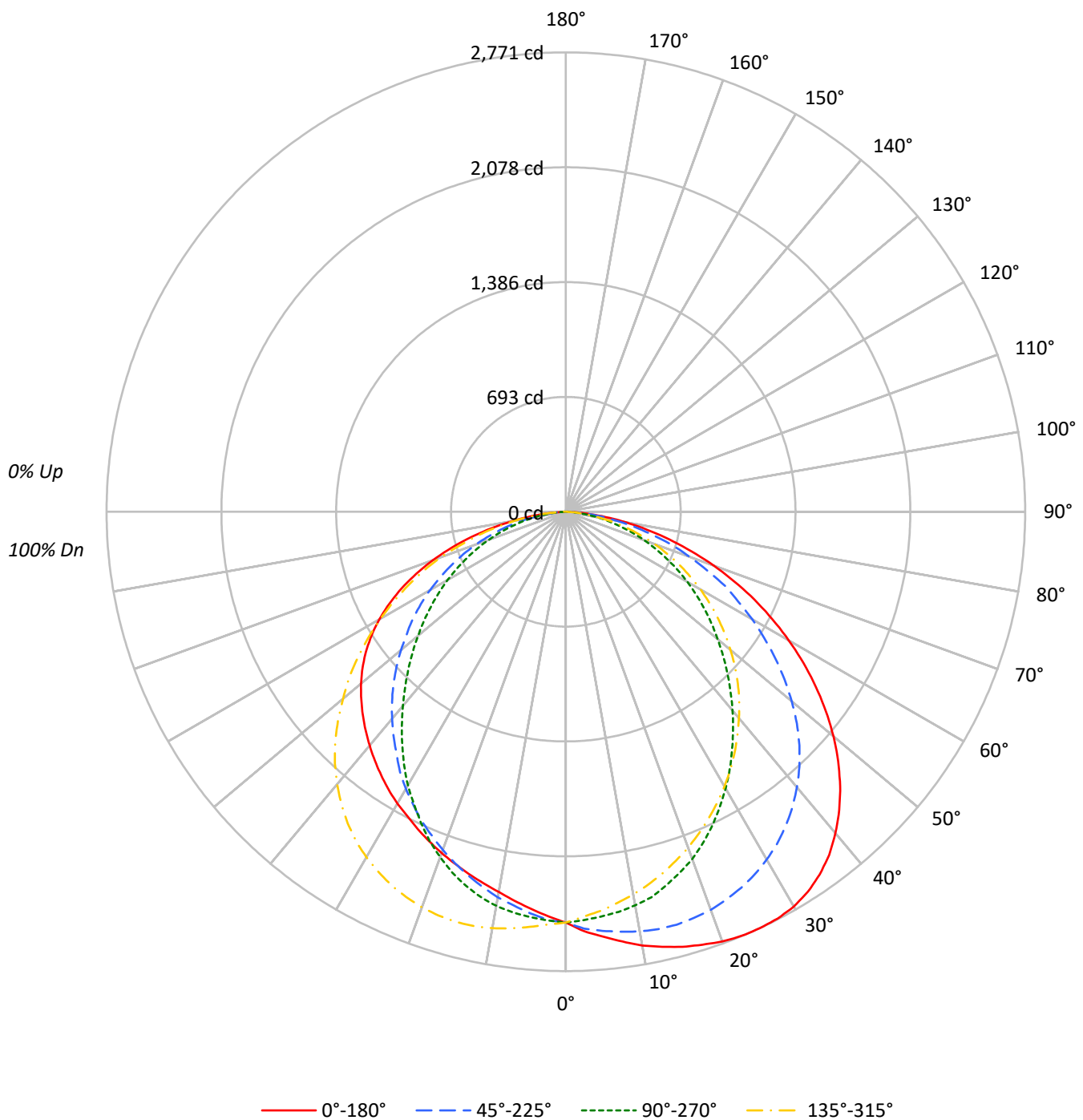
Lumens per Lamp: N/A
Luminaire Lumens: 7270.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.2
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°	3334	3334	3334	3334
5°	3475	3310	3248	3316
10°	3630	3293	3182	3298
15°	3785	3251	3151	3252
20°	3950	3192	3137	3174
25°	4114	3103	3136	3071
30°	4273	2995	3158	2962
35°	4386	2872	3189	2826
40°	4445	2748	3234	2686
45°	4453	2623	3296	2557
50°	4411	2503	3377	2437
55°	4320	2392	3452	2325
60°	4184	2276	3498	2217
65°	3997	2142	3480	2092
70°	3734	1985	3356	1949
75°	3359	1770	3080	1761
80°	2848	1482	2589	1505
85°	1981	982	1643	1008

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	3.2
10°-20°	681.3	9.4
20°-30°	1044.1	14.4
30°-40°	1269.6	17.5
40°-50°	1319.8	18.2
50°-60°	1192.2	16.4
60°-70°	906.4	12.5
70°-80°	505.3	7.0
80°-90°	116.3	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°	1960.7	27.0
0°-40°	3230.2	44.4
0°-60°	5742.2	79.0
0°-90°	7270.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7270.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2478	2478	2478	2478	2478	
5°	2573	2451	2405	2455	2573	248
15°	2717	2334	2262	2335	2717	770
25°	2771	2090	2113	2069	2771	1280
35°	2670	1748	1942	1721	2670	1668
45°	2340	1379	1732	1344	2340	1802
55°	1842	1020	1472	991	1842	1644
65°	1256	673	1093	657	1256	1241
75°	646	340	592	339	646	686
85°	128	64	106	65	128	162
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°	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0
2.5°	2532.9	2495.9	2496.5	2528.9	2504.0	2516.2	2481.5	2494.8	2490.7	2493.6	2465.3
5°	2572.8	2532.9	2532.4	2560.1	2532.4	2537.6	2493.6	2502.3	2489.6	2481.5	2450.9
7.5°	2615.0	2575.1	2571.1	2595.4	2558.9	2554.9	2506.3	2506.3	2483.2	2463.0	2434.1
10°	2656.6	2615.6	2610.4	2628.9	2583.8	2570.5	2511.5	2502.3	2471.7	2441.6	2410.4
12.5°	2687.8	2646.2	2642.2	2653.7	2602.9	2578.6	2511.5	2493.6	2448.5	2406.3	2382.1
15°	2717.3	2674.5	2663.6	2669.3	2611.0	2578.6	2503.5	2475.7	2417.9	2362.4	2334.1
17.5°	2738.1	2697.1	2686.1	2685.5	2615.0	2568.8	2486.1	2448.0	2378.6	2311.5	2283.2
20°	2758.9	2717.9	2704.0	2693.6	2613.9	2555.5	2460.7	2409.2	2328.3	2253.2	2229.5
22.5°	2769.3	2727.1	2712.1	2696.5	2606.3	2531.2	2429.5	2364.1	2271.7	2182.1	2162.4
25°	2771.1	2727.7	2711.5	2689.0	2591.3	2502.3	2389.0	2309.8	2206.3	2106.9	2090.2
27.5°	2766.5	2719.1	2702.9	2675.7	2568.8	2467.0	2341.0	2248.0	2137.0	2027.2	2009.2
30°	2750.3	2702.3	2686.7	2651.4	2537.0	2423.7	2288.4	2179.2	2060.1	1943.3	1927.7
32.5°	2717.9	2671.1	2658.4	2623.1	2502.3	2373.4	2227.2	2105.2	1975.1	1863.6	1840.5
35°	2670.5	2623.7	2615.6	2578.6	2453.7	2313.3	2160.1	2024.3	1885.0	1771.1	1748.5
37.5°	2608.7	2569.3	2557.2	2520.8	2396.5	2245.1	2083.2	1936.4	1793.1	1670.5	1656.6
40°	2530.6	2493.6	2484.4	2452.0	2330.0	2169.4	2000.0	1845.7	1698.3	1584.4	1564.7
42.5°	2441.6	2406.9	2401.7	2368.2	2248.0	2085.5	1909.8	1751.4	1599.4	1489.6	1469.9
45°	2340.4	2306.9	2305.8	2274.0	2158.4	1992.5	1815.0	1656.1	1502.9	1389.0	1378.6
47.5°	2228.9	2198.8	2198.8	2169.4	2058.4	1890.2	1717.3	1556.6	1405.8	1305.2	1286.7
50°	2107.5	2079.2	2070.5	2056.1	1948.0	1778.6	1614.4	1459.5	1309.8	1213.9	1195.9
52.5°	1978.0	1953.7	1959.5	1932.9	1828.3	1662.4	1510.4	1350.3	1213.3	1126.0	1108.1
55°	1841.6	1806.9	1812.1	1802.3	1703.5	1542.8	1393.6	1260.1	1118.5	1036.4	1019.6
57.5°	1700.0	1654.9	1673.4	1667.6	1570.5	1420.2	1286.7	1157.8	1024.3	948.5	932.4
60°	1554.9	1511.6	1530.6	1525.4	1434.1	1297.7	1176.3	1056.6	930.6	861.8	845.7
62.5°	1405.8	1365.9	1383.2	1379.2	1295.4	1172.2	1066.5	956.6	836.4	774.6	759.5
65°	1255.5	1217.3	1232.9	1230.0	1152.6	1059.0	953.8	853.2	741.6	687.9	672.8
67.5°	1101.7	1066.5	1080.9	1080.9	1009.8	920.2	840.5	748.6	648.6	602.3	588.4
70°	949.1	916.2	928.9	927.7	867.6	794.8	726.0	643.9	554.3	516.2	504.6
72.5°	795.4	766.5	778.0	776.9	726.6	679.8	611.6	540.5	462.4	431.8	421.4
75°	646.2	619.1	630.1	628.9	587.9	543.9	498.3	439.3	372.3	350.9	340.5
77.5°	504.0	476.3	485.5	485.5	455.5	423.7	387.3	341.6	294.2	271.1	263.6
80°	367.6	354.3	349.7	350.3	330.1	309.2	290.7	246.8	212.1	196.5	191.3
82.5°	241.6	230.6	226.0	227.2	215.6	202.9	191.3	160.7	137.6	128.3	125.4
85°	128.3	120.2	116.2	119.1	116.8	109.8	104.0	83.2	68.8	65.3	63.6
87.5°	40.5	35.3	32.4	42.8	36.4	32.4	31.2	24.9	19.1	19.1	18.5
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°	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0
2.5°	2474.6	2474.6	2452.0	2446.8	2444.5	2447.4	2424.8	2420.8	2453.2	2442.2	2417.3
5°	2454.9	2453.7	2421.9	2416.2	2416.2	2412.7	2387.3	2381.5	2413.9	2404.6	2377.4
7.5°	2430.6	2427.2	2389.6	2385.5	2379.8	2377.4	2349.1	2345.1	2372.8	2367.0	2341.6
10°	2401.1	2397.7	2353.2	2350.3	2343.9	2339.3	2312.7	2309.8	2338.1	2328.9	2308.7
12.5°	2362.4	2356.1	2310.4	2307.5	2302.3	2300.6	2274.6	2273.4	2304.6	2295.4	2274.0
15°	2311.5	2306.3	2255.5	2256.6	2257.2	2257.2	2236.4	2235.2	2265.9	2261.8	2238.7
17.5°	2255.5	2248.5	2200.0	2203.5	2207.5	2212.1	2195.9	2198.8	2231.2	2226.0	2205.2
20°	2191.9	2185.0	2137.6	2147.4	2156.1	2165.3	2154.9	2163.0	2193.0	2190.7	2175.1
22.5°	2120.8	2113.9	2069.9	2085.0	2099.4	2116.7	2112.1	2121.4	2153.2	2152.6	2138.7
25°	2034.1	2035.8	1997.1	2015.6	2039.9	2064.1	2065.9	2080.9	2116.2	2112.7	2100.0
27.5°	1953.2	1955.5	1914.4	1945.7	1978.0	2009.2	2016.7	2037.6	2073.4	2070.5	2059.5
30°	1868.2	1871.1	1831.2	1874.0	1913.3	1951.4	1967.6	1995.9	2032.4	2032.4	2020.8
32.5°	1779.8	1785.0	1743.3	1800.6	1846.2	1890.7	1919.1	1948.5	1990.2	1989.0	1979.2
35°	1689.0	1694.8	1656.6	1729.5	1775.1	1829.5	1864.7	1904.0	1941.0	1941.6	1934.1
37.5°	1596.5	1603.5	1568.8	1648.5	1700.6	1764.7	1809.8	1849.1	1890.2	1892.5	1885.5
40°	1504.6	1512.1	1482.1	1558.9	1624.8	1696.5	1748.5	1794.8	1839.9	1841.0	1836.4
42.5°	1412.7	1420.8	1398.3	1473.4	1548.0	1624.8	1686.1	1738.7	1785.0	1787.8	1782.6
45°	1323.1	1330.0	1313.9	1395.9	1467.6	1551.4	1622.0	1681.5	1728.3	1732.4	1730.6
47.5°	1234.1	1240.5	1226.0	1301.1	1383.8	1472.8	1554.3	1620.2	1669.9	1674.6	1673.4
50°	1146.8	1152.0	1136.4	1215.0	1297.1	1391.9	1476.9	1553.2	1608.7	1613.3	1612.7
52.5°	1060.1	1065.3	1052.0	1134.7	1209.2	1309.2	1401.7	1484.4	1539.3	1546.2	1547.4
55°	976.3	978.6	968.2	1047.4	1119.6	1224.3	1330.6	1411.0	1465.9	1471.7	1475.1
57.5°	892.5	893.1	884.4	960.1	1029.5	1136.4	1248.0	1332.4	1384.4	1390.2	1395.4
60°	809.2	808.7	798.8	872.2	938.7	1044.5	1160.7	1244.5	1294.8	1300.0	1306.9
62.5°	726.6	724.9	716.2	783.8	846.2	950.9	1067.6	1148.5	1196.5	1200.0	1209.2
65°	644.5	642.8	634.7	697.1	753.8	853.8	968.2	1045.1	1088.4	1093.1	1091.3
67.5°	563.6	560.1	553.8	609.8	661.3	753.8	863.6	937.0	972.8	976.9	987.9
70°	482.7	478.6	464.2	523.7	568.8	651.4	753.8	819.1	849.1	853.2	851.4
72.5°	402.9	398.8	383.2	438.1	476.3	548.6	639.9	694.2	720.2	723.7	723.7
75°	325.4	323.1	313.3	354.9	386.7	445.7	523.1	568.2	588.4	592.5	591.3
77.5°	250.9	249.1	239.3	275.1	300.0	343.9	406.4	441.6	456.6	461.3	471.1
80°	179.8	179.2	163.6	198.8	209.8	246.8	292.5	319.7	327.7	334.1	341.0
82.5°	115.0	115.6	100.0	130.1	134.7	158.4	186.7	203.5	209.2	214.4	219.7
85°	56.1	58.4	49.7	68.8	69.4	81.5	93.6	100.0	102.3	106.4	111.0
87.5°	14.5	16.8	9.2	19.7	17.3	22.5	26.0	27.7	27.2	30.1	31.8
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°	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0
2.5°	2425.4	2443.9	2434.7	2464.7	2476.3	2457.8	2490.2	2490.7	2467.6	2494.8	2509.8
5°	2387.8	2406.9	2401.1	2432.4	2446.8	2430.6	2469.9	2477.4	2454.9	2485.5	2509.8
7.5°	2349.7	2372.2	2364.7	2396.5	2413.9	2401.1	2443.3	2455.5	2438.1	2471.7	2504.0
10°	2316.7	2335.8	2327.7	2361.3	2376.3	2365.9	2407.5	2430.0	2413.9	2454.9	2493.6
12.5°	2284.4	2300.0	2290.7	2318.5	2332.9	2319.6	2370.5	2391.3	2379.8	2422.5	2472.2
15°	2242.8	2260.1	2247.4	2272.2	2283.2	2271.7	2313.3	2349.1	2334.7	2381.5	2436.4
17.5°	2211.0	2220.8	2203.5	2223.1	2229.5	2213.9	2256.1	2291.3	2280.9	2331.8	2395.4
20°	2175.7	2183.8	2159.5	2170.5	2169.9	2150.3	2189.0	2223.7	2216.7	2272.8	2345.1
22.5°	2136.4	2140.4	2112.1	2114.4	2113.3	2080.9	2115.6	2150.9	2148.0	2204.6	2285.5
25°	2094.8	2095.4	2058.9	2057.8	2045.1	2006.9	2037.6	2077.4	2068.8	2130.0	2215.0
27.5°	2053.7	2048.0	2004.0	1993.6	1973.4	1927.7	1954.9	1990.7	1985.5	2045.7	2139.9
30°	2009.8	2002.3	1948.5	1929.5	1900.0	1847.4	1869.9	1903.5	1906.3	1958.9	2057.8
32.5°	1968.2	1949.1	1889.6	1861.8	1824.8	1763.6	1775.7	1809.8	1814.4	1867.6	1969.4
35°	1914.4	1901.7	1828.3	1780.9	1744.5	1677.4	1690.2	1713.9	1720.8	1772.8	1876.3
37.5°	1863.6	1843.3	1765.3	1707.5	1660.7	1590.2	1593.6	1617.9	1624.8	1677.4	1779.8
40°	1811.0	1782.1	1698.3	1630.6	1576.9	1502.9	1498.8	1524.3	1529.5	1580.9	1673.4
42.5°	1754.9	1720.2	1626.0	1552.0	1490.2	1415.0	1406.9	1428.9	1434.7	1485.0	1575.7
45°	1698.3	1656.6	1552.0	1471.1	1403.5	1326.6	1318.5	1335.3	1343.9	1391.3	1478.6
47.5°	1638.1	1589.6	1475.7	1385.5	1315.6	1238.7	1228.9	1245.7	1252.6	1299.4	1382.1
50°	1575.1	1516.2	1397.1	1297.7	1228.3	1152.6	1138.1	1157.8	1164.2	1208.1	1289.0
52.5°	1505.8	1440.5	1313.3	1209.2	1139.9	1067.6	1050.3	1069.4	1076.9	1119.6	1194.2
55°	1432.4	1361.8	1228.9	1127.7	1052.6	982.1	967.6	975.1	991.3	1031.8	1101.1
57.5°	1349.7	1279.8	1139.9	1037.0	964.7	897.1	885.0	891.9	906.9	946.2	1008.7
60°	1261.8	1187.9	1049.1	946.2	876.3	812.1	801.2	807.5	823.7	859.5	917.3
62.5°	1175.1	1091.9	955.5	853.2	789.6	730.1	727.2	724.9	739.9	774.6	825.4
65°	1069.9	990.2	857.8	760.7	702.9	649.1	637.6	642.8	657.2	689.0	742.2
67.5°	957.2	885.0	757.8	668.2	616.8	568.8	559.0	561.3	576.3	604.0	650.3
70°	837.6	774.0	655.5	575.1	531.8	486.7	480.3	480.9	495.4	519.6	560.1
72.5°	712.1	654.9	552.0	483.2	447.4	415.0	409.2	402.3	415.6	436.4	471.1
75°	584.4	534.1	449.1	393.1	364.7	337.6	332.4	325.4	338.7	356.6	383.8
77.5°	455.5	415.0	349.1	305.8	283.8	263.6	259.0	251.4	264.7	278.0	299.4
80°	329.5	300.0	260.7	215.0	207.5	194.2	189.6	181.5	194.2	202.9	219.1
82.5°	212.7	193.1	170.5	138.7	137.6	127.7	125.4	116.2	127.7	132.9	145.1
85°	107.5	98.3	92.5	70.5	72.8	66.5	65.9	56.1	65.3	67.6	74.6
87.5°	30.6	32.4	28.9	17.3	22.0	20.8	20.8	15.0	20.8	20.8	23.7
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: P838223

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3LO-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0	2478.0
2.5°	2480.3	2490.2	2492.5	2491.9	2498.2	2532.9	2521.4	2532.9
5°	2486.1	2508.1	2513.9	2521.9	2532.4	2571.7	2558.9	2572.8
7.5°	2489.6	2522.5	2535.2	2550.9	2567.6	2611.5	2601.1	2615.0
10°	2489.6	2532.4	2550.9	2576.9	2599.4	2650.3	2640.4	2656.6
12.5°	2479.2	2534.1	2560.1	2596.5	2625.4	2680.3	2676.3	2687.8
15°	2457.8	2525.4	2561.3	2608.1	2643.9	2705.2	2703.5	2717.3
17.5°	2428.9	2510.4	2553.7	2612.7	2657.8	2726.6	2730.6	2738.1
20°	2392.5	2482.1	2538.7	2611.0	2667.6	2743.3	2748.5	2758.9
22.5°	2344.5	2448.0	2516.2	2603.5	2668.8	2750.3	2759.5	2769.3
25°	2287.8	2406.9	2486.7	2589.0	2663.0	2749.7	2762.4	2771.1
27.5°	2223.1	2353.7	2449.1	2565.9	2646.8	2740.4	2756.1	2766.5
30°	2148.0	2297.1	2406.3	2535.8	2624.8	2723.1	2739.9	2750.3
32.5°	2070.5	2234.7	2355.5	2497.1	2593.0	2695.4	2709.8	2717.9
35°	1986.1	2158.9	2294.2	2447.4	2552.0	2650.8	2661.8	2670.5
37.5°	1894.2	2076.9	2224.3	2391.3	2494.2	2589.0	2598.8	2608.7
40°	1799.4	1990.7	2145.7	2322.5	2425.4	2513.3	2523.7	2530.6
42.5°	1704.0	1895.4	2061.8	2241.6	2343.9	2428.3	2434.7	2441.6
45°	1607.5	1796.5	1967.6	2152.0	2253.2	2332.4	2334.7	2340.4
47.5°	1509.2	1694.2	1864.1	2049.7	2149.7	2222.0	2224.3	2228.9
50°	1410.4	1591.9	1753.7	1939.3	2037.0	2113.3	2102.9	2107.5
52.5°	1313.3	1484.4	1649.7	1820.2	1916.8	1984.4	1987.3	1978.0
55°	1217.9	1379.2	1531.2	1695.4	1787.3	1839.9	1838.1	1841.6
57.5°	1121.4	1272.8	1412.1	1562.4	1652.0	1701.7	1712.1	1700.0
60°	1023.1	1165.3	1290.2	1426.0	1512.7	1554.3	1566.5	1554.9
62.5°	925.4	1056.1	1169.4	1287.9	1368.2	1419.6	1418.5	1405.8
65°	827.7	946.2	1047.4	1148.0	1217.9	1269.4	1267.0	1255.5
67.5°	737.6	835.3	926.0	1007.5	1068.2	1103.5	1115.6	1101.7
70°	638.1	722.5	802.3	867.6	917.9	949.7	961.3	949.1
72.5°	538.7	610.4	666.5	729.5	768.2	794.8	806.9	795.4
75°	440.5	499.4	545.1	594.2	621.4	643.9	657.8	646.2
77.5°	345.1	390.7	427.2	463.0	494.2	499.4	511.6	504.0
80°	254.3	287.3	313.9	337.6	360.1	362.4	372.3	367.6
82.5°	169.4	191.3	198.3	223.1	237.6	235.3	245.1	241.6
85°	89.6	102.9	115.0	122.5	130.6	123.1	131.8	128.3
87.5°	30.1	31.8	27.7	39.3	43.4	37.0	42.2	40.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)