

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: P837873

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6STD-30-120-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: P837873
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-LD4-6STD-30-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

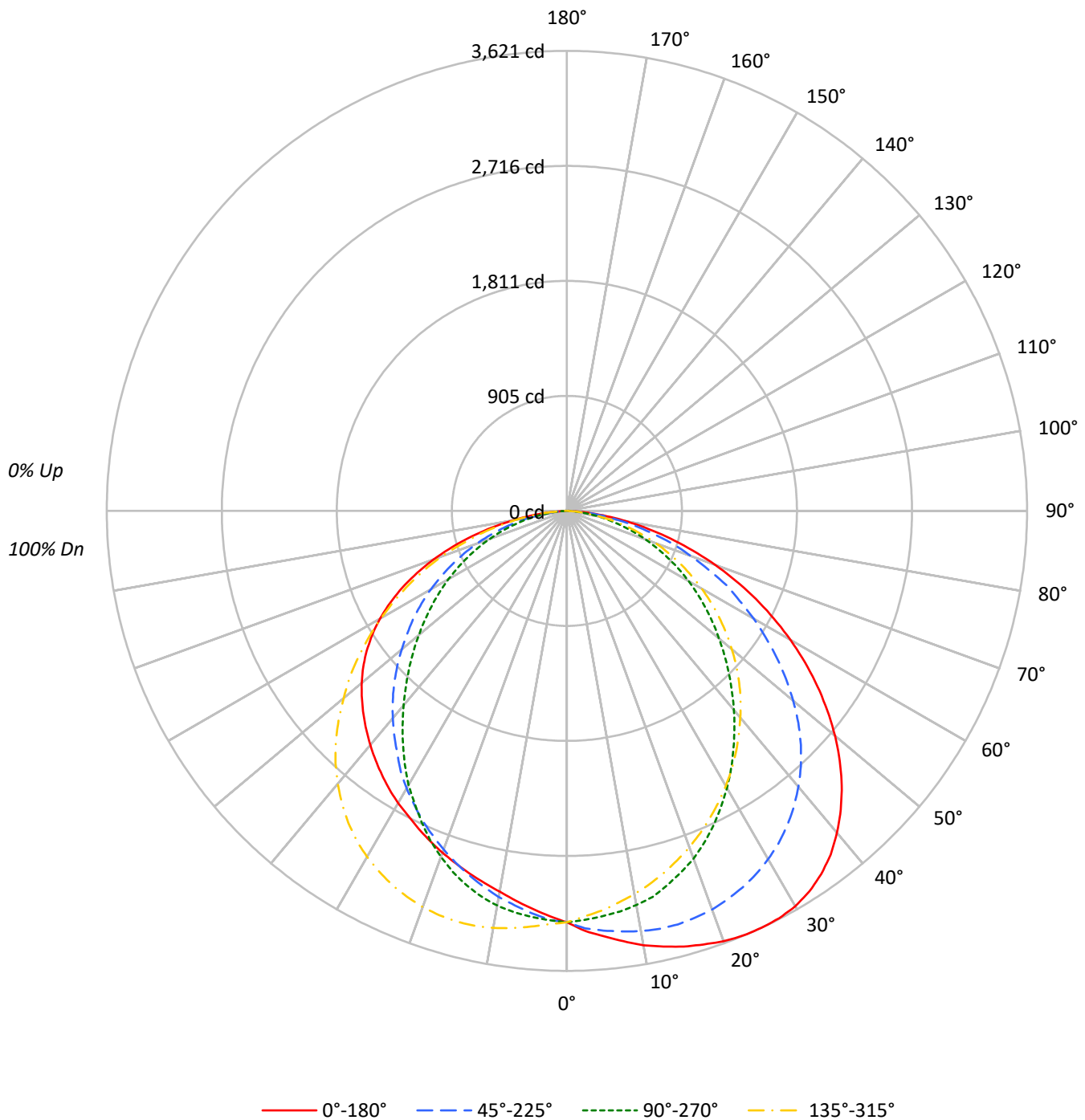
Lumens per Lamp: N/A
Luminaire Lumens: 9500.5 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
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°	8714	8714	8714	8714
5°	9082	8651	8488	8666
10°	9486	8607	8316	8619
15°	9892	8497	8234	8500
20°	10324	8343	8198	8296
25°	10752	8110	8197	8027
30°	11168	7828	8252	7741
35°	11464	7506	8335	7387
40°	11617	7183	8451	7021
45°	11639	6856	8615	6683
50°	11529	6543	8826	6369
55°	11291	6251	9022	6077
60°	10936	5948	9143	5793
65°	10446	5598	9095	5468
70°	9759	5188	8772	5093
75°	8780	4626	8049	4602
80°	7445	3874	6766	3933
85°	5178	2566	4292	2637

Classified

Scaled Data Report

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	3.2
10°-20°	890.3	9.4
20°-30°	1364.4	14.4
30°-40°	1659.0	17.5
40°-50°	1724.7	18.2
50°-60°	1557.9	16.4
60°-70°	1184.4	12.5
70°-80°	660.3	7.0
80°-90°	152.0	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°	2562.1	27.0
0°-40°	4221.2	44.4
0°-60°	7503.7	79.0
0°-90°	9500.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9500.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3238	3238	3238	3238	3238	
5°	3362	3203	3142	3208	3362	324
15°	3551	3050	2956	3051	3551	1007
25°	3621	2731	2761	2703	3621	1673
35°	3490	2285	2537	2249	3490	2180
45°	3058	1802	2264	1756	3058	2355
55°	2407	1332	1923	1295	2407	2148
65°	1641	879	1428	859	1641	1621
75°	844	445	774	443	844	897
85°	168	83	139	85	168	211
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°	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2
2.5°	3310.0	3261.6	3262.4	3304.7	3272.2	3288.1	3242.7	3260.1	3254.8	3258.6	3221.6
5°	3362.1	3310.0	3309.2	3345.5	3309.2	3316.0	3258.6	3269.9	3253.3	3242.7	3202.7
7.5°	3417.2	3365.1	3359.8	3391.5	3344.0	3338.7	3275.2	3275.2	3245.0	3218.6	3180.8
10°	3471.6	3418.0	3411.2	3435.4	3376.4	3359.1	3282.0	3269.9	3229.9	3190.6	3149.8
12.5°	3512.4	3458.0	3452.7	3467.8	3401.4	3369.6	3282.0	3258.6	3199.7	3144.5	3112.8
15°	3550.9	3495.0	3480.7	3488.2	3411.9	3369.6	3271.4	3235.2	3159.7	3087.1	3050.1
17.5°	3578.1	3524.5	3510.1	3509.4	3417.2	3356.8	3248.8	3198.9	3108.3	3020.7	2983.7
20°	3605.3	3551.7	3533.6	3520.0	3415.7	3339.4	3215.6	3148.3	3042.6	2944.4	2913.4
22.5°	3618.9	3563.8	3544.1	3523.7	3405.9	3307.7	3174.8	3089.4	2968.5	2851.5	2825.8
25°	3621.2	3564.5	3543.4	3513.9	3386.3	3269.9	3121.9	3018.4	2883.2	2753.3	2731.4
27.5°	3615.1	3553.2	3532.0	3496.5	3356.8	3223.9	3059.2	2937.6	2792.6	2649.0	2625.6
30°	3594.0	3531.3	3510.9	3464.8	3315.3	3167.2	2990.5	2847.7	2692.1	2539.5	2519.1
32.5°	3551.7	3490.5	3473.9	3427.8	3269.9	3101.5	2910.4	2751.0	2581.1	2435.3	2405.1
35°	3489.7	3428.6	3418.0	3369.6	3206.5	3022.9	2822.8	2645.3	2463.2	2314.4	2285.0
37.5°	3408.9	3357.6	3341.7	3294.1	3131.7	2933.8	2722.3	2530.4	2343.1	2183.0	2164.9
40°	3306.9	3258.6	3246.5	3204.2	3044.8	2834.9	2613.5	2411.9	2219.2	2070.4	2044.7
42.5°	3190.6	3145.3	3138.5	3094.7	2937.6	2725.3	2495.7	2288.7	2090.1	1946.6	1920.9
45°	3058.4	3014.6	3013.1	2971.6	2820.5	2603.7	2371.8	2164.1	1963.9	1815.1	1801.5
47.5°	2912.7	2873.4	2873.4	2834.9	2689.8	2470.0	2244.2	2034.2	1837.0	1705.6	1681.4
50°	2754.0	2717.0	2705.7	2686.8	2545.5	2324.2	2109.7	1907.3	1711.6	1586.2	1562.8
52.5°	2584.8	2553.1	2560.7	2525.9	2389.2	2172.4	1973.7	1764.5	1585.5	1471.4	1448.0
55°	2406.6	2361.2	2368.0	2355.2	2226.0	2016.0	1821.2	1646.7	1461.6	1354.4	1332.4
57.5°	2221.5	2162.6	2186.8	2179.2	2052.3	1855.9	1681.4	1513.0	1338.5	1239.5	1218.4
60°	2031.9	1975.3	2000.2	1993.4	1874.0	1695.8	1537.1	1380.8	1216.1	1126.2	1105.1
62.5°	1837.0	1784.9	1807.6	1802.3	1692.8	1531.9	1393.6	1250.1	1093.0	1012.2	992.5
65°	1640.6	1590.8	1611.2	1607.4	1506.2	1383.8	1246.3	1114.9	969.1	898.9	879.2
67.5°	1439.7	1393.6	1412.5	1412.5	1319.6	1202.5	1098.3	978.2	847.5	787.1	769.0
70°	1240.3	1197.2	1213.9	1212.3	1133.8	1038.6	948.7	841.5	724.4	674.5	659.4
72.5°	1039.4	1001.6	1016.7	1015.2	949.5	888.3	799.2	706.3	604.3	564.3	550.7
75°	844.5	809.0	823.3	821.8	768.2	710.8	651.1	574.1	486.4	458.5	444.9
77.5°	658.7	622.4	634.5	634.5	595.2	553.7	506.1	446.4	384.5	354.3	344.4
80°	480.4	463.0	457.0	457.7	431.3	404.1	379.9	322.5	277.2	256.8	250.0
82.5°	315.7	301.4	295.3	296.9	281.7	265.1	250.0	210.0	179.8	167.7	163.9
85°	167.7	157.1	151.8	155.6	152.6	143.5	136.0	108.8	89.9	85.4	83.1
87.5°	52.9	46.1	42.3	55.9	47.6	42.3	40.8	32.5	24.9	24.9	24.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2
2.5°	3233.7	3233.7	3204.2	3197.4	3194.4	3198.2	3168.7	3163.4	3205.7	3191.4	3158.9
5°	3208.0	3206.5	3164.9	3157.4	3157.4	3152.9	3119.6	3112.1	3154.4	3142.3	3106.8
7.5°	3176.3	3171.7	3122.6	3117.4	3109.8	3106.8	3069.8	3064.5	3100.7	3093.2	3059.9
10°	3137.7	3133.2	3075.1	3071.3	3063.0	3056.9	3022.2	3018.4	3055.4	3043.3	3016.9
12.5°	3087.1	3078.8	3019.2	3015.4	3008.6	3006.3	2972.3	2970.8	3011.6	2999.5	2971.6
15°	3020.7	3013.9	2947.4	2948.9	2949.7	2949.7	2922.5	2921.0	2961.0	2955.7	2925.5
17.5°	2947.4	2938.3	2874.9	2879.4	2884.7	2890.7	2869.6	2873.4	2915.7	2908.9	2881.7
20°	2864.3	2855.2	2793.3	2806.1	2817.5	2829.6	2816.0	2826.5	2865.8	2862.8	2842.4
22.5°	2771.4	2762.3	2704.9	2724.6	2743.5	2766.1	2760.1	2772.2	2813.7	2812.9	2794.8
25°	2658.1	2660.4	2609.8	2633.9	2665.7	2697.4	2699.6	2719.3	2765.4	2760.8	2744.2
27.5°	2552.3	2555.4	2501.7	2542.5	2584.8	2625.6	2635.4	2662.6	2709.5	2705.7	2691.3
30°	2441.3	2445.1	2393.0	2448.9	2500.2	2550.1	2571.2	2608.2	2655.8	2655.8	2640.7
32.5°	2325.7	2332.5	2278.2	2352.9	2412.6	2470.8	2507.8	2546.3	2600.7	2599.2	2586.3
35°	2207.1	2214.7	2164.9	2260.0	2319.7	2390.7	2436.8	2488.1	2536.5	2537.2	2527.4
37.5°	2086.3	2095.4	2050.0	2154.3	2222.3	2306.1	2365.0	2416.4	2470.0	2473.0	2464.0
40°	1966.2	1976.0	1936.7	2037.2	2123.3	2217.0	2285.0	2345.4	2404.3	2405.8	2399.8
42.5°	1846.1	1856.7	1827.2	1925.4	2022.8	2123.3	2203.4	2272.1	2332.5	2336.3	2329.5
45°	1729.0	1738.1	1716.9	1824.2	1917.8	2027.4	2119.5	2197.3	2258.5	2263.8	2261.5
47.5°	1612.7	1621.0	1602.1	1700.3	1808.3	1924.6	2031.2	2117.3	2182.2	2188.3	2186.8
50°	1498.6	1505.4	1485.0	1587.8	1695.0	1818.9	1929.9	2029.6	2102.2	2108.2	2107.4
52.5°	1385.3	1392.1	1374.7	1482.8	1580.2	1710.9	1831.7	1939.8	2011.5	2020.6	2022.1
55°	1275.8	1278.8	1265.2	1368.7	1463.1	1599.8	1738.8	1843.8	1915.6	1923.1	1927.7
57.5°	1166.3	1167.0	1155.7	1254.6	1345.3	1485.0	1630.8	1741.1	1809.1	1816.6	1823.4
60°	1057.5	1056.7	1043.9	1139.8	1226.7	1364.9	1516.8	1626.3	1692.0	1698.8	1707.9
62.5°	949.5	947.2	935.9	1024.3	1105.8	1242.6	1395.1	1500.9	1563.6	1568.1	1580.2
65°	842.2	840.0	829.4	911.0	985.0	1115.7	1265.2	1365.7	1422.3	1428.4	1426.1
67.5°	736.5	731.9	723.6	796.9	864.1	985.0	1128.5	1224.4	1271.3	1276.6	1290.9
70°	630.7	625.4	606.6	684.4	743.3	851.3	985.0	1070.3	1109.6	1114.9	1112.6
72.5°	526.5	521.2	500.8	572.6	622.4	716.8	836.2	907.2	941.2	945.7	945.7
75°	425.3	422.2	409.4	463.8	505.3	582.4	683.6	742.5	769.0	774.2	772.7
77.5°	327.8	325.6	312.7	359.5	392.0	449.4	531.0	577.1	596.7	602.8	615.6
80°	234.9	234.2	213.8	259.8	274.2	322.5	382.2	417.7	428.3	436.6	445.7
82.5°	150.3	151.1	130.7	170.0	176.0	207.0	244.0	265.9	273.4	280.2	287.0
85°	73.3	76.3	65.0	89.9	90.6	106.5	122.4	130.7	133.7	139.0	145.0
87.5°	18.9	21.9	12.1	25.7	22.7	29.5	34.0	36.3	35.5	39.3	41.5
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°	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2
2.5°	3169.5	3193.6	3181.6	3220.8	3235.9	3211.8	3254.1	3254.8	3224.6	3260.1	3279.8
5°	3120.4	3145.3	3137.7	3178.5	3197.4	3176.3	3227.6	3237.5	3208.0	3248.0	3279.8
7.5°	3070.5	3100.0	3090.2	3131.7	3154.4	3137.7	3192.9	3208.8	3186.1	3229.9	3272.2
10°	3027.5	3052.4	3041.8	3085.6	3105.3	3091.7	3146.1	3175.5	3154.4	3208.0	3258.6
12.5°	2985.2	3005.6	2993.5	3029.7	3048.6	3031.2	3097.7	3124.9	3109.8	3165.7	3230.7
15°	2930.8	2953.4	2936.8	2969.3	2983.7	2968.5	3022.9	3069.8	3050.9	3112.1	3183.8
17.5°	2889.2	2902.1	2879.4	2905.1	2913.4	2893.0	2948.2	2994.2	2980.6	3047.1	3130.2
20°	2843.2	2853.7	2822.0	2836.4	2835.6	2809.9	2860.5	2905.9	2896.8	2970.1	3064.5
22.5°	2791.8	2797.1	2760.1	2763.1	2761.6	2719.3	2764.6	2810.7	2806.9	2880.9	2986.7
25°	2737.4	2738.2	2690.6	2689.1	2672.4	2622.6	2662.6	2714.7	2703.4	2783.5	2894.5
27.5°	2683.8	2676.2	2618.8	2605.2	2578.8	2519.1	2554.6	2601.4	2594.6	2673.2	2796.3
30°	2626.4	2616.6	2546.3	2521.4	2482.9	2414.1	2443.6	2487.4	2491.2	2559.9	2689.1
32.5°	2572.0	2547.1	2469.3	2433.0	2384.7	2304.6	2320.5	2365.0	2371.1	2440.6	2573.5
35°	2501.7	2485.1	2389.2	2327.3	2279.7	2192.0	2208.7	2239.6	2248.7	2316.7	2451.9
37.5°	2435.3	2408.8	2306.9	2231.3	2170.1	2078.0	2082.5	2114.2	2123.3	2192.0	2325.7
40°	2366.5	2328.8	2219.2	2130.9	2060.6	1963.9	1958.6	1991.9	1998.7	2065.9	2186.8
42.5°	2293.3	2247.9	2124.8	2028.1	1947.3	1849.1	1838.5	1867.2	1874.8	1940.5	2059.1
45°	2219.2	2164.9	2028.1	1922.4	1834.0	1733.5	1723.0	1744.9	1756.2	1818.1	1932.2
47.5°	2140.7	2077.2	1928.4	1810.6	1719.2	1618.7	1605.9	1627.8	1636.9	1698.0	1806.1
50°	2058.3	1981.3	1825.7	1695.8	1605.1	1506.2	1487.3	1513.0	1521.3	1578.7	1684.4
52.5°	1967.7	1882.3	1716.2	1580.2	1489.6	1395.1	1372.5	1397.4	1407.2	1463.1	1560.6
55°	1871.8	1779.6	1605.9	1473.7	1375.5	1283.3	1264.5	1274.3	1295.4	1348.3	1439.0
57.5°	1763.8	1672.4	1489.6	1355.1	1260.7	1172.3	1156.4	1165.5	1185.2	1236.5	1318.1
60°	1648.9	1552.3	1371.0	1236.5	1145.1	1061.3	1046.9	1055.2	1076.4	1123.2	1198.7
62.5°	1535.6	1426.9	1248.6	1114.9	1031.8	954.0	950.2	947.2	966.9	1012.2	1078.6
65°	1398.2	1293.9	1120.9	994.0	918.5	848.3	833.2	840.0	858.8	900.4	969.9
67.5°	1250.9	1156.4	990.3	873.2	806.0	743.3	730.4	733.5	753.1	789.3	849.8
70°	1094.5	1011.4	856.6	751.6	694.9	636.0	627.7	628.5	647.3	679.1	731.9
72.5°	930.6	855.8	721.4	631.5	584.6	542.3	534.8	525.7	543.1	570.3	615.6
75°	763.7	697.9	586.9	513.6	476.6	441.1	434.3	425.3	442.6	466.1	501.6
77.5°	595.2	542.3	456.2	399.6	370.9	344.4	338.4	328.6	346.0	363.3	391.3
80°	430.6	392.0	340.7	281.0	271.2	253.8	247.8	237.2	253.8	265.1	286.3
82.5°	278.0	252.3	222.8	181.3	179.8	166.9	163.9	151.8	166.9	173.7	189.6
85°	140.5	128.4	120.9	92.2	95.2	86.9	86.1	73.3	85.4	88.4	97.4
87.5°	40.0	42.3	37.8	22.7	28.7	27.2	27.2	19.6	27.2	27.2	31.0
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: P837873

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6STD-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2	3238.2
2.5°	3241.2	3254.1	3257.1	3256.3	3264.6	3310.0	3294.9	3310.0
5°	3248.8	3277.5	3285.0	3295.6	3309.2	3360.6	3344.0	3362.1
7.5°	3253.3	3296.4	3313.0	3333.4	3355.3	3412.7	3399.1	3417.2
10°	3253.3	3309.2	3333.4	3367.4	3396.8	3463.3	3450.5	3471.6
12.5°	3239.7	3311.5	3345.5	3393.1	3430.8	3502.6	3497.3	3512.4
15°	3211.8	3300.1	3347.0	3408.2	3455.0	3535.1	3532.8	3550.9
17.5°	3174.0	3280.5	3337.2	3414.2	3473.1	3563.0	3568.3	3578.1
20°	3126.4	3243.5	3317.5	3411.9	3486.0	3584.9	3591.7	3605.3
22.5°	3063.7	3198.9	3288.1	3402.1	3487.5	3594.0	3606.1	3618.9
25°	2989.7	3145.3	3249.5	3383.2	3479.9	3593.2	3609.8	3621.2
27.5°	2905.1	3075.8	3200.4	3353.0	3458.8	3581.1	3601.5	3615.1
30°	2806.9	3001.8	3144.5	3313.7	3430.1	3558.5	3580.4	3594.0
32.5°	2705.7	2920.2	3078.1	3263.1	3388.5	3522.2	3541.1	3551.7
35°	2595.4	2821.3	2998.0	3198.2	3334.9	3464.1	3478.4	3489.7
37.5°	2475.3	2714.0	2906.6	3124.9	3259.4	3383.2	3396.1	3408.9
40°	2351.4	2601.4	2803.9	3035.0	3169.5	3284.3	3297.9	3306.9
42.5°	2226.8	2476.8	2694.4	2929.3	3063.0	3173.3	3181.6	3190.6
45°	2100.6	2347.6	2571.2	2812.2	2944.4	3047.9	3050.9	3058.4
47.5°	1972.2	2213.9	2436.0	2678.5	2809.2	2903.6	2906.6	2912.7
50°	1843.1	2080.3	2291.7	2534.2	2661.9	2761.6	2748.0	2754.0
52.5°	1716.2	1939.8	2155.8	2378.6	2504.8	2593.1	2596.9	2584.8
55°	1591.5	1802.3	2000.9	2215.5	2335.6	2404.3	2402.0	2406.6
57.5°	1465.4	1663.3	1845.3	2041.7	2158.8	2223.8	2237.4	2221.5
60°	1337.0	1522.8	1686.0	1863.5	1976.8	2031.2	2047.0	2031.9
62.5°	1209.3	1380.0	1528.1	1682.9	1787.9	1855.2	1853.6	1837.0
65°	1081.7	1236.5	1368.7	1500.1	1591.5	1658.8	1655.7	1640.6
67.5°	963.8	1091.5	1210.1	1316.6	1395.9	1442.0	1457.8	1439.7
70°	833.9	944.2	1048.4	1133.8	1199.5	1241.0	1256.2	1240.3
72.5°	704.0	797.7	870.9	953.3	1003.9	1038.6	1054.5	1039.4
75°	575.6	652.6	712.3	776.5	812.0	841.5	859.6	844.5
77.5°	450.9	510.6	558.2	605.0	645.8	652.6	668.5	658.7
80°	332.4	375.4	410.2	441.1	470.6	473.6	486.4	480.4
82.5°	221.3	250.0	259.1	291.6	310.5	307.4	320.3	315.7
85°	117.1	134.5	150.3	160.1	170.7	160.9	172.2	167.7
87.5°	39.3	41.5	36.3	51.4	56.7	48.3	55.1	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)