

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: P837819

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-3STD-50-120-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: P837819
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-LD4-3STD-50-120-EDD-90
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

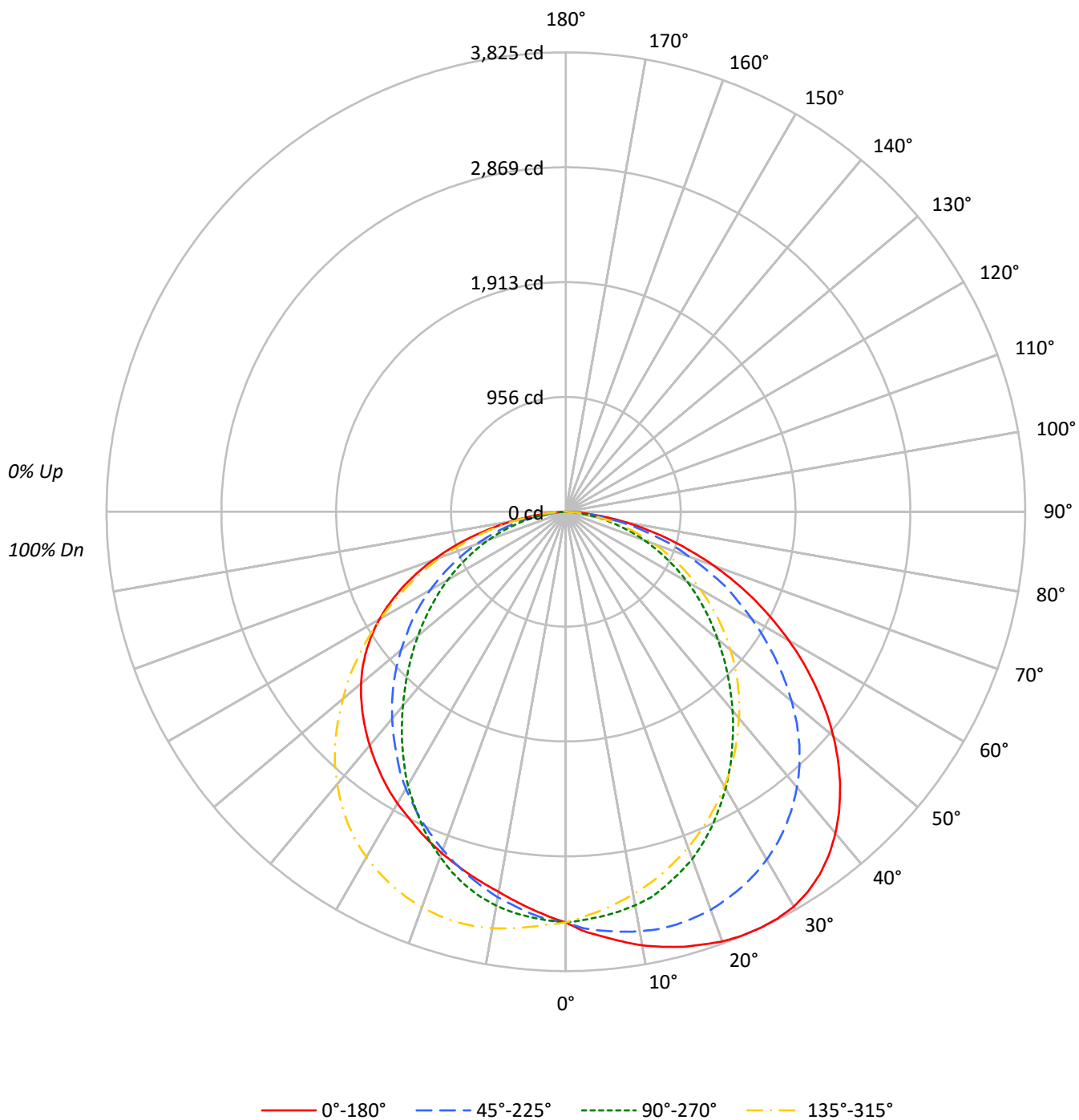
Lumens per Lamp: N/A
Luminaire Lumens: 10034.2 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		94	91	89		90
2	99	91	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	88	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	74	62	53	47	59	52	46		57	51	46		56
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9203	9203	9203	9203
5°	9592	9137	8965	9152
10°	10019	9090	8783	9104
15°	10448	8975	8697	8977
20°	10905	8812	8659	8761
25°	11356	8565	8658	8478
30°	11795	8267	8716	8176
35°	12108	7928	8803	7802
40°	12269	7586	8926	7416
45°	12293	7241	9099	7059
50°	12177	6910	9321	6727
55°	11925	6602	9530	6419
60°	11550	6282	9656	6119
65°	11033	5913	9606	5776
70°	10307	5480	9264	5379
75°	9273	4886	8502	4861
80°	7863	4093	7146	4155
85°	5468	2711	4533	2785

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.7	3.2
10°-20°	940.3	9.4
20°-30°	1441.1	14.4
30°-40°	1752.2	17.5
40°-50°	1821.6	18.2
50°-60°	1645.4	16.4
60°-70°	1250.9	12.5
70°-80°	697.4	7.0
80°-90°	160.6	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°	2706.1	27.0
0°-40°	4458.3	44.4
0°-60°	7925.3	79.0
0°-90°	10034.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10034.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3551	3383	3319	3388	3551	342
15°	3750	3222	3122	3222	3750	1063
25°	3825	2885	2916	2855	3825	1766
35°	3686	2413	2680	2375	3686	2302
45°	3230	1903	2391	1855	3230	2487
55°	2542	1407	2031	1368	2542	2269
65°	1733	929	1509	907	1733	1712
75°	892	470	818	468	892	947
85°	177	88	147	90	177	223
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°	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1
2.5°	3495.9	3444.9	3445.7	3490.3	3456.0	3472.8	3424.9	3443.3	3437.7	3441.7	3402.6
5°	3551.0	3495.9	3495.1	3533.4	3495.1	3502.3	3441.7	3453.6	3436.1	3424.9	3382.6
7.5°	3609.2	3554.2	3548.6	3582.1	3531.8	3526.2	3459.2	3459.2	3427.3	3399.4	3359.5
10°	3666.6	3610.0	3602.8	3628.4	3566.1	3547.8	3466.4	3453.6	3411.4	3369.9	3326.8
12.5°	3709.7	3652.3	3646.7	3662.7	3592.5	3558.9	3466.4	3441.7	3379.4	3321.2	3287.7
15°	3750.4	3691.4	3676.2	3684.2	3603.6	3558.9	3455.2	3416.9	3337.2	3260.6	3221.5
17.5°	3779.1	3722.5	3707.3	3706.5	3609.2	3545.4	3431.3	3378.6	3282.9	3190.4	3151.3
20°	3807.9	3751.2	3732.1	3717.7	3607.6	3527.0	3396.2	3325.2	3213.5	3109.8	3077.1
22.5°	3822.2	3764.0	3743.2	3721.7	3597.2	3493.5	3353.1	3263.0	3135.3	3011.7	2984.5
25°	3824.6	3764.8	3742.4	3711.3	3576.5	3453.6	3297.3	3188.0	3045.2	2907.9	2884.8
27.5°	3818.2	3752.8	3730.5	3693.0	3545.4	3405.0	3231.1	3102.6	2949.4	2797.9	2773.1
30°	3795.9	3729.7	3708.1	3659.5	3501.5	3345.1	3158.5	3007.7	2843.3	2682.2	2660.6
32.5°	3751.2	3686.6	3669.0	3620.4	3453.6	3275.7	3073.9	2905.6	2726.1	2572.1	2540.2
35°	3685.8	3621.2	3610.0	3558.9	3386.6	3192.8	2981.3	2793.9	2601.6	2444.4	2413.3
37.5°	3600.4	3546.2	3529.4	3479.2	3307.6	3098.6	2875.2	2672.6	2474.7	2305.6	2286.5
40°	3492.7	3441.7	3428.9	3384.2	3215.9	2994.1	2760.4	2547.3	2343.9	2186.7	2159.6
42.5°	3369.9	3322.0	3314.8	3268.6	3102.6	2878.4	2635.9	2417.3	2207.5	2055.9	2028.8
45°	3230.3	3184.0	3182.4	3138.5	2979.0	2750.0	2505.1	2285.7	2074.3	1917.1	1902.7
47.5°	3076.3	3034.8	3034.8	2994.1	2840.9	2608.8	2370.2	2148.5	1940.2	1801.4	1775.9
50°	2908.7	2869.7	2857.7	2837.7	2688.6	2454.8	2228.2	2014.4	1807.8	1675.4	1650.6
52.5°	2730.0	2696.5	2704.5	2667.8	2523.4	2294.4	2084.6	1863.6	1674.6	1554.1	1529.4
55°	2541.8	2493.9	2501.1	2487.5	2351.1	2129.3	1923.5	1739.2	1543.7	1430.4	1407.3
57.5°	2346.3	2284.1	2309.6	2301.6	2167.6	1960.2	1775.9	1598.0	1413.7	1309.2	1286.8
60°	2146.1	2086.2	2112.6	2105.4	1979.3	1791.0	1623.5	1458.4	1284.4	1189.5	1167.2
62.5°	1940.2	1885.2	1909.1	1903.5	1787.9	1617.9	1471.9	1320.3	1154.4	1069.0	1048.3
65°	1732.8	1680.1	1701.7	1697.7	1590.8	1461.6	1316.4	1177.5	1023.6	949.4	928.6
67.5°	1520.6	1471.9	1491.9	1491.9	1393.7	1270.1	1160.0	1033.1	895.1	831.3	812.2
70°	1310.0	1264.5	1282.1	1280.5	1197.5	1097.0	1002.0	888.7	765.1	712.4	696.5
72.5°	1097.8	1057.9	1073.8	1072.2	1002.8	938.2	844.1	745.9	638.2	596.0	581.6
75°	891.9	854.4	869.6	868.0	811.4	750.7	687.7	606.3	513.8	484.3	469.9
77.5°	695.7	657.4	670.1	670.1	628.7	584.8	534.5	471.5	406.1	374.2	363.8
80°	507.4	489.0	482.7	483.5	455.5	426.8	401.3	340.7	292.8	271.2	264.1
82.5°	333.5	318.3	311.9	313.5	297.6	280.0	264.1	221.8	189.9	177.1	173.1
85°	177.1	165.9	160.4	164.3	161.2	151.6	143.6	114.9	94.9	90.2	87.8
87.5°	55.8	48.7	44.7	59.0	50.3	44.7	43.1	34.3	26.3	26.3	25.5
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°	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1
2.5°	3415.3	3415.3	3384.2	3377.1	3373.9	3377.8	3346.7	3341.2	3385.8	3370.7	3336.4
5°	3388.2	3386.6	3342.7	3334.8	3334.8	3330.0	3294.9	3286.9	3331.6	3318.8	3281.3
7.5°	3354.7	3349.9	3298.1	3292.5	3284.5	3281.3	3242.2	3236.6	3274.9	3267.0	3231.9
10°	3314.0	3309.2	3247.8	3243.8	3235.0	3228.7	3192.0	3188.0	3227.1	3214.3	3186.4
12.5°	3260.6	3251.8	3188.8	3184.8	3177.6	3175.2	3139.3	3137.7	3180.8	3168.0	3138.5
15°	3190.4	3183.2	3113.0	3114.6	3115.4	3115.4	3086.7	3085.1	3127.3	3121.8	3089.8
17.5°	3113.0	3103.4	3036.4	3041.2	3046.8	3053.1	3030.8	3034.8	3079.5	3072.3	3043.6
20°	3025.2	3015.7	2950.2	2963.8	2975.8	2988.5	2974.2	2985.3	3026.8	3023.6	3002.1
22.5°	2927.1	2917.5	2856.9	2877.6	2897.6	2921.5	2915.1	2927.9	2971.8	2971.0	2951.8
25°	2807.4	2809.8	2756.4	2781.9	2815.4	2848.9	2851.3	2872.0	2920.7	2915.9	2898.4
27.5°	2695.7	2698.9	2642.3	2685.4	2730.0	2773.1	2783.5	2812.2	2861.7	2857.7	2842.5
30°	2578.5	2582.5	2527.4	2586.4	2640.7	2693.3	2715.7	2754.8	2805.0	2805.0	2789.1
32.5°	2456.4	2463.6	2406.1	2485.1	2548.1	2609.6	2648.7	2689.4	2746.8	2745.2	2731.6
35°	2331.1	2339.1	2286.5	2387.0	2450.0	2525.0	2573.7	2627.9	2679.0	2679.8	2669.4
37.5°	2203.5	2213.1	2165.2	2275.3	2347.1	2435.7	2497.9	2552.1	2608.8	2612.0	2602.4
40°	2076.7	2087.0	2045.5	2151.6	2242.6	2341.5	2413.3	2477.1	2539.4	2541.0	2534.6
42.5°	1949.8	1961.0	1929.9	2033.6	2136.5	2242.6	2327.2	2399.8	2463.6	2467.6	2460.4
45°	1826.1	1835.7	1813.4	1926.7	2025.6	2141.3	2238.6	2320.8	2385.4	2391.0	2388.6
47.5°	1703.3	1712.1	1692.1	1795.8	1909.9	2032.8	2145.3	2236.2	2304.8	2311.2	2309.6
50°	1582.8	1590.0	1568.5	1677.0	1790.2	1921.1	2038.4	2143.7	2220.3	2226.6	2225.8
52.5°	1463.1	1470.3	1452.0	1566.1	1669.0	1807.0	1934.6	2048.7	2124.5	2134.1	2135.7
55°	1347.5	1350.7	1336.3	1445.6	1545.3	1689.7	1836.5	1947.4	2023.2	2031.2	2036.0
57.5°	1231.8	1232.6	1220.6	1325.1	1420.9	1568.5	1722.4	1838.9	1910.7	1918.7	1925.9
60°	1116.9	1116.1	1102.5	1203.9	1295.6	1441.6	1602.0	1717.6	1787.1	1794.2	1803.8
62.5°	1002.8	1000.4	988.5	1081.8	1168.0	1312.4	1473.5	1585.2	1651.4	1656.2	1669.0
65°	889.5	887.1	876.0	962.1	1040.3	1178.3	1336.3	1442.4	1502.2	1508.6	1506.2
67.5°	777.8	773.1	764.3	841.7	912.7	1040.3	1191.9	1293.2	1342.7	1348.3	1363.4
70°	666.2	660.6	640.6	722.8	785.0	899.1	1040.3	1130.5	1172.0	1177.5	1175.1
72.5°	556.1	550.5	528.9	604.7	657.4	757.1	883.2	958.1	994.0	998.8	998.8
75°	449.2	446.0	432.4	489.8	533.7	615.1	722.0	784.2	812.2	817.7	816.1
77.5°	346.2	343.8	330.3	379.7	414.1	474.7	560.8	609.5	630.3	636.6	650.2
80°	248.1	247.3	225.8	274.4	289.6	340.7	403.7	441.2	452.3	461.1	470.7
82.5°	158.8	159.6	138.0	179.5	185.9	218.6	257.7	280.8	288.8	296.0	303.2
85°	77.4	80.6	68.6	94.9	95.7	112.5	129.2	138.0	141.2	146.8	153.2
87.5°	19.9	23.1	12.8	27.1	23.9	31.1	35.9	38.3	37.5	41.5	43.9
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°	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1
2.5°	3347.5	3373.1	3360.3	3401.8	3417.7	3392.2	3436.9	3437.7	3405.8	3443.3	3464.0
5°	3295.7	3322.0	3314.0	3357.1	3377.1	3354.7	3409.0	3419.3	3388.2	3430.5	3464.0
7.5°	3243.0	3274.1	3263.8	3307.6	3331.6	3314.0	3372.3	3389.0	3365.1	3411.4	3456.0
10°	3197.5	3223.9	3212.7	3259.0	3279.7	3265.4	3322.8	3353.9	3331.6	3388.2	3441.7
12.5°	3152.9	3174.4	3161.6	3199.9	3219.9	3201.5	3271.7	3300.5	3284.5	3343.5	3412.2
15°	3095.4	3119.4	3101.8	3136.1	3151.3	3135.3	3192.8	3242.2	3222.3	3286.9	3362.7
17.5°	3051.6	3065.1	3041.2	3068.3	3077.1	3055.5	3113.8	3162.4	3148.1	3218.3	3306.0
20°	3002.9	3014.1	2980.5	2995.7	2994.9	2967.8	3021.2	3069.1	3059.5	3136.9	3236.6
22.5°	2948.6	2954.2	2915.1	2918.3	2916.7	2872.0	2919.9	2968.6	2964.6	3042.8	3154.5
25°	2891.2	2892.0	2841.7	2840.1	2822.6	2769.9	2812.2	2867.3	2855.3	2939.9	3057.1
27.5°	2834.6	2826.6	2765.9	2751.6	2723.7	2660.6	2698.1	2747.6	2740.4	2823.4	2953.4
30°	2773.9	2763.5	2689.4	2663.0	2622.3	2549.7	2580.9	2627.1	2631.1	2703.7	2840.1
32.5°	2716.5	2690.2	2608.0	2569.7	2518.6	2434.1	2450.8	2497.9	2504.3	2577.7	2718.1
35°	2642.3	2624.7	2523.4	2458.0	2407.7	2315.2	2332.7	2365.5	2375.0	2446.8	2589.6
37.5°	2572.1	2544.2	2436.5	2356.7	2292.1	2194.7	2199.5	2233.0	2242.6	2315.2	2456.4
40°	2499.5	2459.6	2343.9	2250.6	2176.4	2074.3	2068.7	2103.8	2111.0	2182.0	2309.6
42.5°	2422.1	2374.2	2244.2	2142.1	2056.7	1953.0	1941.8	1972.1	1980.1	2049.5	2174.8
45°	2343.9	2286.5	2142.1	2030.4	1937.0	1830.9	1819.8	1842.9	1854.9	1920.3	2040.8
47.5°	2260.9	2193.9	2036.8	1912.3	1815.8	1709.7	1696.1	1719.2	1728.8	1793.4	1907.5
50°	2174.0	2092.6	1928.3	1791.0	1695.3	1590.8	1570.9	1598.0	1606.8	1667.4	1779.1
52.5°	2078.2	1988.1	1812.6	1669.0	1573.2	1473.5	1449.6	1475.9	1486.3	1545.3	1648.2
55°	1976.9	1879.6	1696.1	1556.5	1452.8	1355.4	1335.5	1345.9	1368.2	1424.1	1519.8
57.5°	1862.8	1766.3	1573.2	1431.2	1331.5	1238.2	1221.4	1231.0	1251.7	1306.0	1392.1
60°	1741.6	1639.5	1448.0	1306.0	1209.5	1120.9	1105.7	1114.5	1136.9	1186.3	1266.1
62.5°	1621.9	1507.0	1318.7	1177.5	1089.8	1007.6	1003.6	1000.4	1021.2	1069.0	1139.2
65°	1476.7	1366.6	1183.9	1049.9	970.1	895.9	880.0	887.1	907.1	951.0	1024.4
67.5°	1321.1	1221.4	1045.9	922.2	851.2	785.0	771.5	774.7	795.4	833.7	897.5
70°	1156.0	1068.2	904.7	793.8	734.0	671.7	663.0	663.8	683.7	717.2	773.1
72.5°	982.9	903.9	761.9	667.0	617.5	572.8	564.8	555.3	573.6	602.3	650.2
75°	806.6	737.2	619.9	542.5	503.4	465.9	458.7	449.2	467.5	492.2	529.7
77.5°	628.7	572.8	481.9	422.0	391.7	363.8	357.4	347.0	365.4	383.7	413.3
80°	454.7	414.1	359.8	296.8	286.4	268.1	261.7	250.5	268.1	280.0	302.4
82.5°	293.6	266.5	235.3	191.5	189.9	176.3	173.1	160.4	176.3	183.5	200.2
85°	148.4	135.6	127.6	97.3	100.5	91.7	90.9	77.4	90.2	93.3	102.9
87.5°	42.3	44.7	39.9	23.9	30.3	28.7	28.7	20.7	28.7	28.7	32.7
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: P837819

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-3STD-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1	3420.1
2.5°	3423.3	3436.9	3440.1	3439.3	3448.1	3495.9	3480.0	3495.9
5°	3431.3	3461.6	3469.6	3480.8	3495.1	3549.4	3531.8	3551.0
7.5°	3436.1	3481.6	3499.1	3520.7	3543.8	3604.4	3590.1	3609.2
10°	3436.1	3495.1	3520.7	3556.6	3587.7	3657.9	3644.3	3666.6
12.5°	3421.7	3497.5	3533.4	3583.7	3623.6	3699.4	3693.8	3709.7
15°	3392.2	3485.6	3535.0	3599.6	3649.1	3733.7	3731.3	3750.4
17.5°	3352.3	3464.8	3524.6	3606.0	3668.2	3763.2	3768.8	3779.1
20°	3302.1	3425.7	3503.9	3603.6	3681.8	3786.3	3793.5	3807.9
22.5°	3235.8	3378.6	3472.8	3593.3	3683.4	3795.9	3808.7	3822.2
25°	3157.7	3322.0	3432.1	3573.3	3675.4	3795.1	3812.6	3824.6
27.5°	3068.3	3248.6	3380.2	3541.4	3653.1	3782.3	3803.9	3818.2
30°	2964.6	3170.4	3321.2	3499.9	3622.8	3758.4	3781.5	3795.9
32.5°	2857.7	3084.3	3251.0	3446.5	3578.9	3720.1	3740.0	3751.2
35°	2741.2	2979.8	3166.4	3377.8	3522.2	3658.7	3673.8	3685.8
37.5°	2614.4	2866.5	3069.9	3300.5	3442.5	3573.3	3586.9	3600.4
40°	2483.5	2747.6	2961.4	3205.5	3347.5	3468.8	3483.2	3492.7
42.5°	2351.9	2616.0	2845.7	3093.8	3235.0	3351.5	3360.3	3369.9
45°	2218.7	2479.5	2715.7	2970.2	3109.8	3219.1	3222.3	3230.3
47.5°	2083.0	2338.3	2572.9	2829.0	2967.0	3066.7	3069.9	3076.3
50°	1946.6	2197.1	2420.5	2676.6	2811.4	2916.7	2902.4	2908.7
52.5°	1812.6	2048.7	2276.9	2512.2	2645.5	2738.8	2742.8	2730.0
55°	1680.9	1903.5	2113.3	2339.9	2466.8	2539.4	2537.0	2541.8
57.5°	1547.7	1756.7	1949.0	2156.4	2280.1	2348.7	2363.1	2346.3
60°	1412.1	1608.3	1780.7	1968.2	2087.8	2145.3	2162.0	2146.1
62.5°	1277.3	1457.6	1613.9	1777.5	1888.4	1959.4	1957.8	1940.2
65°	1142.4	1306.0	1445.6	1584.4	1680.9	1752.0	1748.8	1732.8
67.5°	1018.0	1152.8	1278.1	1390.6	1474.3	1523.0	1539.7	1520.6
70°	880.8	997.2	1107.3	1197.5	1266.9	1310.8	1326.7	1310.0
72.5°	743.5	842.5	919.9	1006.8	1060.3	1097.0	1113.7	1097.8
75°	607.9	689.3	752.3	820.1	857.6	888.7	907.9	891.9
77.5°	476.3	539.3	589.6	639.0	682.1	689.3	706.0	695.7
80°	351.0	396.5	433.2	465.9	497.0	500.2	513.8	507.4
82.5°	233.8	264.1	273.6	307.9	327.9	324.7	338.3	333.5
85°	123.7	142.0	158.8	169.1	180.3	169.9	181.9	177.1
87.5°	41.5	43.9	38.3	54.2	59.8	51.1	58.2	55.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)