

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: P837738

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-3STD-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: P837738
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-30-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

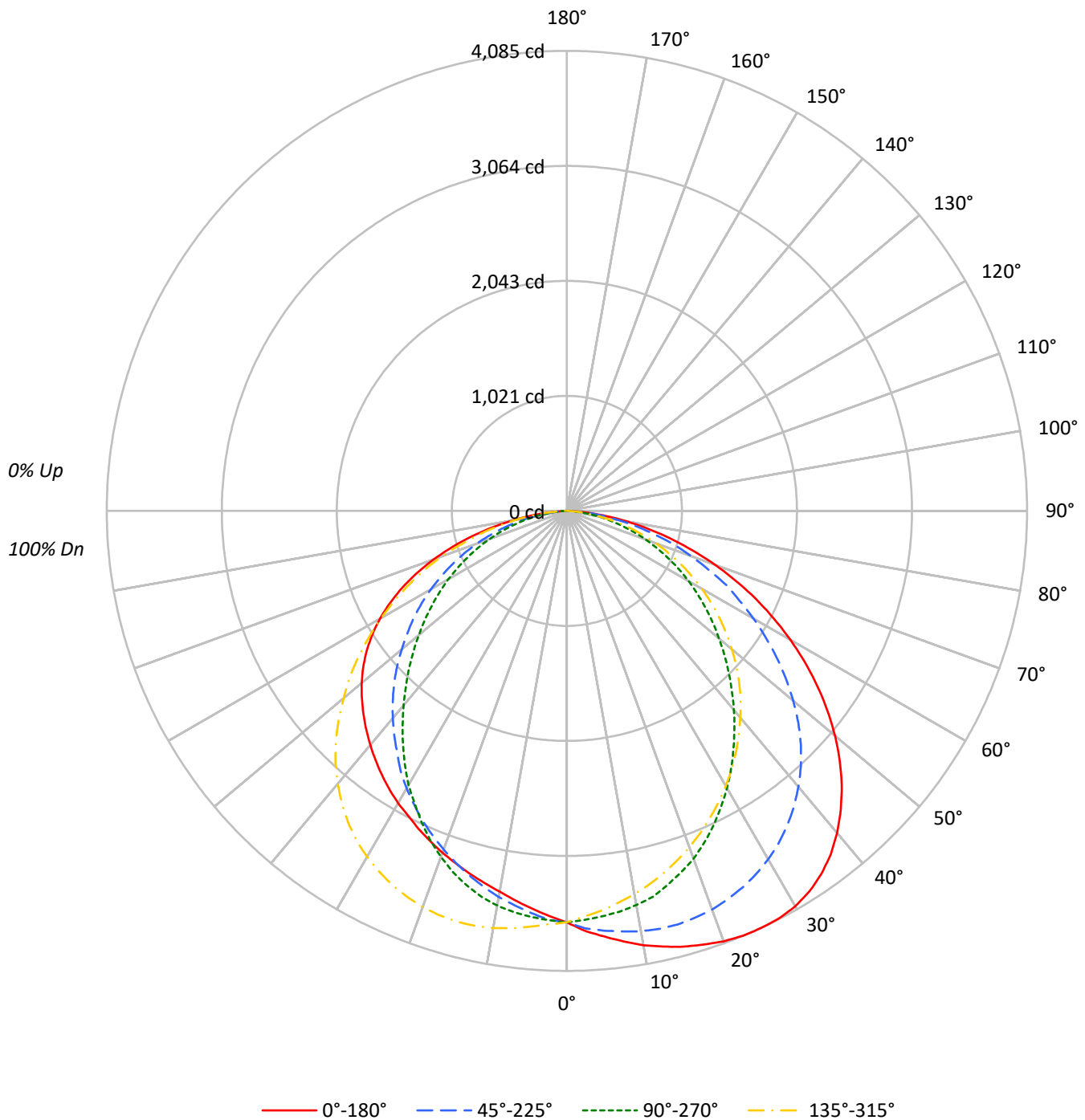
Lumens per Lamp: N/A
Luminaire Lumens: 10718.3 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	9831	9831	9831	9831
5°	10246	9760	9576	9776
10°	10702	9710	9382	9724
15°	11161	9587	9290	9589
20°	11648	9413	9249	9359
25°	12130	9149	9248	9056
30°	12599	8831	9310	8733
35°	12934	8469	9404	8334
40°	13106	8104	9535	7921
45°	13131	7735	9720	7540
50°	13008	7381	9957	7185
55°	12738	7053	10179	6857
60°	12338	6710	10315	6536
65°	11785	6316	10261	6169
70°	11010	5854	9896	5746
75°	9905	5218	9082	5192
80°	8399	4372	7634	4437
85°	5842	2893	4841	2973

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.9	3.2
10°-20°	1004.4	9.4
20°-30°	1539.3	14.4
30°-40°	1871.7	17.5
40°-50°	1945.8	18.2
50°-60°	1757.6	16.4
60°-70°	1336.2	12.5
70°-80°	744.9	7.0
80°-90°	171.5	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°	2890.6	27.0
0°-40°	4762.3	44.4
0°-60°	8465.7	79.0
0°-90°	10718.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10718.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3653	3653	3653	3653	3653	
5°	3793	3613	3545	3619	3793	366
15°	4006	3441	3335	3442	4006	1136
25°	4085	3082	3115	3050	4085	1887
35°	3937	2578	2862	2537	3937	2459
45°	3450	2032	2554	1981	3450	2657
55°	2715	1503	2170	1462	2715	2424
65°	1851	992	1612	969	1851	1829
75°	953	502	874	499	953	1012
85°	189	94	157	96	189	238
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°	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3
2.5°	3734.3	3679.7	3680.6	3728.3	3691.7	3709.6	3658.4	3678.0	3672.1	3676.3	3634.6
5°	3793.1	3734.3	3733.4	3774.3	3733.4	3741.1	3676.3	3689.1	3670.4	3658.4	3613.3
7.5°	3855.3	3796.5	3790.5	3826.3	3772.6	3766.7	3695.1	3695.1	3661.0	3631.2	3588.6
10°	3916.6	3856.1	3848.5	3875.7	3809.3	3789.7	3702.7	3689.1	3643.9	3599.6	3553.6
12.5°	3962.7	3901.3	3895.3	3912.4	3837.4	3801.6	3702.7	3676.3	3609.9	3547.7	3511.9
15°	4006.1	3943.1	3926.9	3935.4	3849.3	3801.6	3690.8	3649.9	3564.7	3482.9	3441.1
17.5°	4036.8	3976.3	3960.1	3959.3	3855.3	3787.1	3665.3	3609.0	3506.7	3407.9	3366.1
20°	4067.5	4007.0	3986.5	3971.2	3853.6	3767.5	3627.8	3551.9	3432.6	3321.8	3286.9
22.5°	4082.8	4020.6	3998.5	3975.4	3842.5	3731.7	3581.7	3485.4	3349.1	3217.0	3188.0
25°	4085.4	4021.5	3997.6	3964.4	3820.4	3689.1	3522.1	3405.3	3252.8	3106.2	3081.5
27.5°	4078.6	4008.7	3984.8	3944.8	3787.1	3637.1	3451.4	3314.2	3150.5	2988.6	2962.2
30°	4054.7	3984.0	3961.0	3909.0	3740.2	3573.2	3373.8	3212.7	3037.2	2865.1	2842.0
32.5°	4007.0	3938.0	3919.2	3867.2	3689.1	3499.1	3283.5	3103.7	2911.9	2747.4	2713.4
35°	3937.1	3868.1	3856.1	3801.6	3617.5	3410.4	3184.6	2984.4	2779.0	2611.1	2577.9
37.5°	3845.9	3788.0	3770.1	3716.4	3533.2	3309.9	3071.3	2854.8	2643.5	2462.8	2442.4
40°	3730.9	3676.3	3662.7	3615.0	3435.2	3198.3	2948.6	2721.0	2503.7	2335.8	2306.9
42.5°	3599.6	3548.5	3540.8	3491.4	3314.2	3074.7	2815.6	2582.1	2358.0	2196.1	2167.1
45°	3450.5	3401.1	3399.4	3352.5	3182.1	2937.5	2675.9	2441.5	2215.7	2047.8	2032.5
47.5°	3286.0	3241.7	3241.7	3198.3	3034.6	2786.6	2531.8	2294.9	2072.5	1924.2	1897.0
50°	3107.1	3065.3	3052.5	3031.2	2871.9	2622.2	2380.2	2151.8	1931.1	1789.6	1763.2
52.5°	2916.2	2880.4	2888.9	2849.7	2695.5	2450.9	2226.8	1990.7	1788.7	1660.1	1633.6
55°	2715.1	2663.9	2671.6	2657.1	2511.4	2274.5	2054.6	1857.8	1649.0	1528.0	1503.3
57.5°	2506.3	2439.8	2467.1	2458.6	2315.4	2093.8	1897.0	1706.9	1510.1	1398.4	1374.6
60°	2292.4	2228.5	2256.6	2248.9	2114.3	1913.2	1734.2	1557.8	1372.0	1270.6	1246.7
62.5°	2072.5	2013.7	2039.3	2033.3	1909.7	1728.2	1572.3	1410.4	1233.1	1141.9	1119.8
65°	1850.9	1794.7	1817.7	1813.5	1699.3	1561.2	1406.1	1257.8	1093.4	1014.1	991.9
67.5°	1624.3	1572.3	1593.6	1593.6	1488.8	1356.7	1239.1	1103.6	956.2	888.0	867.5
70°	1399.3	1350.7	1369.5	1367.8	1279.1	1171.8	1070.3	949.3	817.2	761.0	744.0
72.5°	1172.6	1130.0	1147.0	1145.3	1071.2	1002.2	901.6	796.8	681.7	636.6	621.2
75°	952.7	912.7	928.9	927.2	866.7	801.9	734.6	647.7	548.8	517.3	501.9
77.5°	743.1	702.2	715.8	715.8	671.5	624.7	571.0	503.6	433.8	399.7	388.6
80°	542.0	522.4	515.6	516.4	486.6	455.9	428.6	363.9	312.8	289.7	282.1
82.5°	356.2	340.0	333.2	334.9	317.9	299.1	282.1	236.9	202.8	189.2	184.9
85°	189.2	177.3	171.3	175.6	172.1	161.9	153.4	122.7	101.4	96.3	93.7
87.5°	59.7	52.0	47.7	63.1	53.7	47.7	46.0	36.6	28.1	28.1	27.3
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°	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3
2.5°	3648.2	3648.2	3615.0	3607.3	3603.9	3608.2	3574.9	3569.0	3616.7	3600.5	3563.8
5°	3619.2	3617.5	3570.7	3562.1	3562.1	3557.0	3519.5	3511.0	3558.7	3545.1	3505.0
7.5°	3583.4	3578.3	3522.9	3517.0	3508.5	3505.0	3463.3	3457.3	3498.2	3489.7	3452.2
10°	3540.0	3534.9	3469.3	3465.0	3455.6	3448.8	3409.6	3405.3	3447.1	3433.5	3403.6
12.5°	3482.9	3473.5	3406.2	3401.9	3394.3	3391.7	3353.4	3351.6	3397.7	3384.0	3352.5
15°	3407.9	3400.2	3325.2	3326.9	3327.8	3327.8	3297.1	3295.4	3340.6	3334.6	3300.5
17.5°	3325.2	3315.0	3243.4	3248.5	3254.5	3261.3	3237.5	3241.7	3289.4	3281.8	3251.1
20°	3231.5	3221.3	3151.4	3165.9	3178.7	3192.3	3177.0	3188.9	3233.2	3229.8	3206.8
22.5°	3126.7	3116.4	3051.7	3073.8	3095.1	3120.7	3113.9	3127.5	3174.4	3173.5	3153.1
25°	2998.8	3001.4	2944.3	2971.6	3007.4	3043.2	3045.7	3067.9	3119.9	3114.7	3096.0
27.5°	2879.5	2882.9	2822.4	2868.5	2916.2	2962.2	2973.3	3004.0	3056.8	3052.5	3036.3
30°	2754.3	2758.5	2699.7	2762.8	2820.7	2877.0	2900.8	2942.6	2996.3	2996.3	2979.2
32.5°	2623.9	2631.6	2570.2	2654.6	2721.9	2787.5	2829.3	2872.7	2934.1	2932.4	2917.9
35°	2490.1	2498.6	2442.4	2549.7	2617.1	2697.2	2749.2	2807.1	2861.6	2862.5	2851.4
37.5°	2353.7	2364.0	2312.8	2430.4	2507.1	2601.7	2668.2	2726.1	2786.6	2790.1	2779.8
40°	2218.2	2229.3	2185.0	2298.3	2395.5	2501.2	2577.9	2646.0	2712.5	2714.2	2707.4
42.5°	2082.7	2094.7	2061.4	2172.2	2282.2	2395.5	2485.8	2563.4	2631.6	2635.8	2628.1
45°	1950.7	1960.9	1937.0	2058.0	2163.7	2287.3	2391.2	2479.0	2548.0	2554.0	2551.4
47.5°	1819.4	1828.8	1807.5	1918.3	2040.1	2171.4	2291.5	2388.7	2462.0	2468.8	2467.1
50°	1690.7	1698.4	1675.4	1791.3	1912.3	2052.1	2177.3	2289.8	2371.6	2378.5	2377.6
52.5°	1562.9	1570.6	1551.0	1672.8	1782.8	1930.2	2066.6	2188.4	2269.4	2279.6	2281.3
55°	1439.3	1442.8	1427.4	1544.2	1650.7	1804.9	1961.7	2080.2	2161.1	2169.7	2174.8
57.5°	1315.8	1316.6	1303.8	1415.5	1517.7	1675.4	1839.9	1964.3	2041.0	2049.5	2057.2
60°	1193.1	1192.2	1177.7	1285.9	1384.0	1539.9	1711.2	1834.8	1908.9	1916.6	1926.8
62.5°	1071.2	1068.6	1055.9	1155.6	1247.6	1401.8	1574.0	1693.3	1764.0	1769.1	1782.8
65°	950.2	947.6	935.7	1027.7	1111.3	1258.7	1427.4	1540.8	1604.7	1611.5	1608.9
67.5°	830.9	825.8	816.4	899.1	974.9	1111.3	1273.2	1381.4	1434.2	1440.2	1456.4
70°	711.6	705.6	684.3	772.1	838.6	960.4	1111.3	1207.5	1251.9	1257.8	1255.3
72.5°	594.0	588.0	565.0	646.0	702.2	808.7	943.4	1023.5	1061.8	1066.9	1066.9
75°	479.8	476.4	461.9	523.2	570.1	657.0	771.2	837.7	867.5	873.5	871.8
77.5°	369.8	367.3	352.8	405.6	442.3	507.1	599.1	651.1	673.2	680.0	694.5
80°	265.0	264.2	241.2	293.2	309.3	363.9	431.2	471.3	483.2	492.6	502.8
82.5°	169.6	170.4	147.4	191.7	198.6	233.5	275.3	300.0	308.5	316.2	323.8
85°	82.7	86.1	73.3	101.4	102.3	120.2	138.1	147.4	150.8	156.8	163.6
87.5°	21.3	24.7	13.6	29.0	25.6	33.2	38.3	40.9	40.1	44.3	46.9
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°	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3
2.5°	3575.8	3603.0	3589.4	3633.7	3650.8	3623.5	3671.2	3672.1	3638.0	3678.0	3700.2
5°	3520.4	3548.5	3540.0	3586.0	3607.3	3583.4	3641.4	3652.5	3619.2	3664.4	3700.2
7.5°	3464.1	3497.4	3486.3	3533.2	3558.7	3540.0	3602.2	3620.1	3594.5	3643.9	3691.7
10°	3415.6	3443.7	3431.8	3481.2	3503.3	3488.0	3549.4	3582.6	3558.7	3619.2	3676.3
12.5°	3367.8	3390.8	3377.2	3418.1	3439.4	3419.8	3494.8	3525.5	3508.5	3571.5	3644.8
15°	3306.5	3332.0	3313.3	3349.9	3366.1	3349.1	3410.4	3463.3	3442.0	3511.0	3592.0
17.5°	3259.6	3274.1	3248.5	3277.5	3286.9	3263.9	3326.1	3378.1	3362.7	3437.7	3531.5
20°	3207.6	3219.6	3183.8	3200.0	3199.1	3170.1	3227.2	3278.4	3268.1	3350.8	3457.3
22.5°	3149.7	3155.6	3113.9	3117.3	3115.6	3067.9	3119.0	3171.0	3166.7	3250.2	3369.5
25°	3088.3	3089.2	3035.5	3033.8	3015.0	2958.8	3004.0	3062.8	3050.0	3140.3	3265.6
27.5°	3027.8	3019.3	2954.5	2939.2	2909.4	2842.0	2882.1	2934.9	2927.3	3015.9	3154.8
30°	2963.1	2952.0	2872.7	2844.6	2801.1	2723.6	2756.8	2806.2	2810.5	2888.1	3033.8
32.5°	2901.7	2873.6	2785.8	2744.9	2690.4	2600.0	2617.9	2668.2	2675.0	2753.4	2903.4
35°	2822.4	2803.7	2695.5	2625.6	2571.9	2473.0	2491.8	2526.7	2537.0	2613.7	2766.2
37.5°	2747.4	2717.6	2602.6	2517.4	2448.3	2344.4	2349.5	2385.3	2395.5	2473.0	2623.9
40°	2669.9	2627.3	2503.7	2404.0	2324.8	2215.7	2209.7	2247.2	2254.9	2330.7	2467.1
42.5°	2587.2	2536.1	2397.2	2288.1	2196.9	2086.2	2074.2	2106.6	2115.1	2189.3	2323.1
45°	2503.7	2442.4	2288.1	2168.8	2069.1	1955.8	1943.8	1968.6	1981.3	2051.2	2179.9
47.5°	2415.1	2343.5	2175.6	2042.7	1939.6	1826.2	1811.7	1836.5	1846.7	1915.7	2037.6
50°	2322.2	2235.3	2059.7	1913.2	1810.9	1699.3	1678.0	1706.9	1716.3	1781.1	1900.4
52.5°	2219.9	2123.6	1936.2	1782.8	1680.5	1574.0	1548.4	1576.5	1587.6	1650.7	1760.6
55°	2111.7	2007.8	1811.7	1662.6	1551.8	1447.9	1426.6	1437.6	1461.5	1521.2	1623.4
57.5°	1989.9	1886.7	1680.5	1528.8	1422.3	1322.6	1304.7	1314.9	1337.1	1395.0	1487.1
60°	1860.3	1751.2	1546.7	1395.0	1291.9	1197.3	1181.1	1190.5	1214.4	1267.2	1352.4
62.5°	1732.5	1609.8	1408.7	1257.8	1164.1	1076.3	1072.1	1068.6	1090.8	1141.9	1216.9
65°	1577.4	1459.8	1264.6	1121.5	1036.3	957.0	940.0	947.6	968.9	1015.8	1094.2
67.5°	1411.2	1304.7	1117.2	985.1	909.3	838.6	824.1	827.5	849.6	890.5	958.7
70°	1234.8	1141.1	966.4	847.9	784.0	717.5	708.2	709.0	730.3	766.1	825.8
72.5°	1049.9	965.5	813.8	712.4	659.6	611.9	603.3	593.1	612.7	643.4	694.5
75°	861.6	787.4	662.1	579.5	537.7	497.7	490.0	479.8	499.4	525.8	565.9
77.5°	671.5	611.9	514.7	450.8	418.4	388.6	381.8	370.7	390.3	409.9	441.4
80°	485.7	442.3	384.3	317.0	305.9	286.3	279.5	267.6	286.3	299.1	323.0
82.5°	313.6	284.6	251.4	204.5	202.8	188.3	184.9	171.3	188.3	196.0	213.9
85°	158.5	144.9	136.3	104.0	107.4	98.0	97.1	82.7	96.3	99.7	109.9
87.5°	45.2	47.7	42.6	25.6	32.4	30.7	30.7	22.2	30.7	30.7	34.9
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: P837738

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-3STD-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3	3653.3
2.5°	3656.7	3671.2	3674.6	3673.8	3683.1	3734.3	3717.2	3734.3
5°	3665.3	3697.6	3706.2	3718.1	3733.4	3791.4	3772.6	3793.1
7.5°	3670.4	3718.9	3737.7	3760.7	3785.4	3850.2	3834.8	3855.3
10°	3670.4	3733.4	3760.7	3799.0	3832.3	3907.3	3892.8	3916.6
12.5°	3655.0	3736.0	3774.3	3828.0	3870.6	3951.6	3945.6	3962.7
15°	3623.5	3723.2	3776.0	3845.1	3897.9	3988.2	3985.7	4006.1
17.5°	3580.9	3701.0	3765.0	3851.9	3918.4	4019.8	4025.7	4036.8
20°	3527.2	3659.3	3742.8	3849.3	3932.8	4044.5	4052.1	4067.5
22.5°	3456.5	3609.0	3709.6	3838.2	3934.5	4054.7	4068.3	4082.8
25°	3373.0	3548.5	3666.1	3816.9	3926.0	4053.9	4072.6	4085.4
27.5°	3277.5	3470.1	3610.7	3782.9	3902.2	4040.2	4063.2	4078.6
30°	3166.7	3386.6	3547.7	3738.5	3869.8	4014.6	4039.4	4054.7
32.5°	3052.5	3294.6	3472.7	3681.4	3822.9	3973.7	3995.0	4007.0
35°	2928.1	3182.9	3382.3	3608.2	3762.4	3908.1	3924.3	3937.1
37.5°	2792.6	3061.9	3279.2	3525.5	3677.2	3816.9	3831.4	3845.9
40°	2652.9	2934.9	3163.3	3424.1	3575.8	3705.3	3720.6	3730.9
42.5°	2512.2	2794.3	3039.7	3304.8	3455.6	3580.0	3589.4	3599.6
45°	2369.9	2648.6	2900.8	3172.7	3321.8	3438.6	3442.0	3450.5
47.5°	2225.1	2497.8	2748.3	3021.9	3169.3	3275.8	3279.2	3286.0
50°	2079.3	2346.9	2585.5	2859.1	3003.1	3115.6	3100.3	3107.1
52.5°	1936.2	2188.4	2432.1	2683.5	2825.8	2925.6	2929.8	2916.2
55°	1795.6	2033.3	2257.4	2499.5	2635.0	2712.5	2710.0	2715.1
57.5°	1653.2	1876.5	2081.9	2303.5	2435.5	2508.8	2524.2	2506.3
60°	1508.4	1718.0	1902.1	2102.3	2230.2	2291.5	2309.4	2292.4
62.5°	1364.4	1556.9	1724.0	1898.7	2017.1	2093.0	2091.3	2072.5
65°	1220.3	1395.0	1544.2	1692.4	1795.6	1871.4	1868.0	1850.9
67.5°	1087.4	1231.4	1365.2	1485.4	1574.8	1626.8	1644.7	1624.3
70°	940.8	1065.2	1182.8	1279.1	1353.3	1400.1	1417.2	1399.3
72.5°	794.2	899.9	982.6	1075.5	1132.6	1171.8	1189.7	1172.6
75°	649.4	736.3	803.6	876.0	916.1	949.3	969.8	952.7
77.5°	508.8	576.1	629.8	682.6	728.6	736.3	754.2	743.1
80°	375.0	423.5	462.7	497.7	530.9	534.3	548.8	542.0
82.5°	249.7	282.1	292.3	328.9	350.2	346.8	361.3	356.2
85°	132.1	151.7	169.6	180.7	192.6	181.5	194.3	189.2
87.5°	44.3	46.9	40.9	57.9	63.9	54.5	62.2	59.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)