

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: P838196

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6LO-30-120-EDD-90**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838196
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-LD4-6LO-30-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

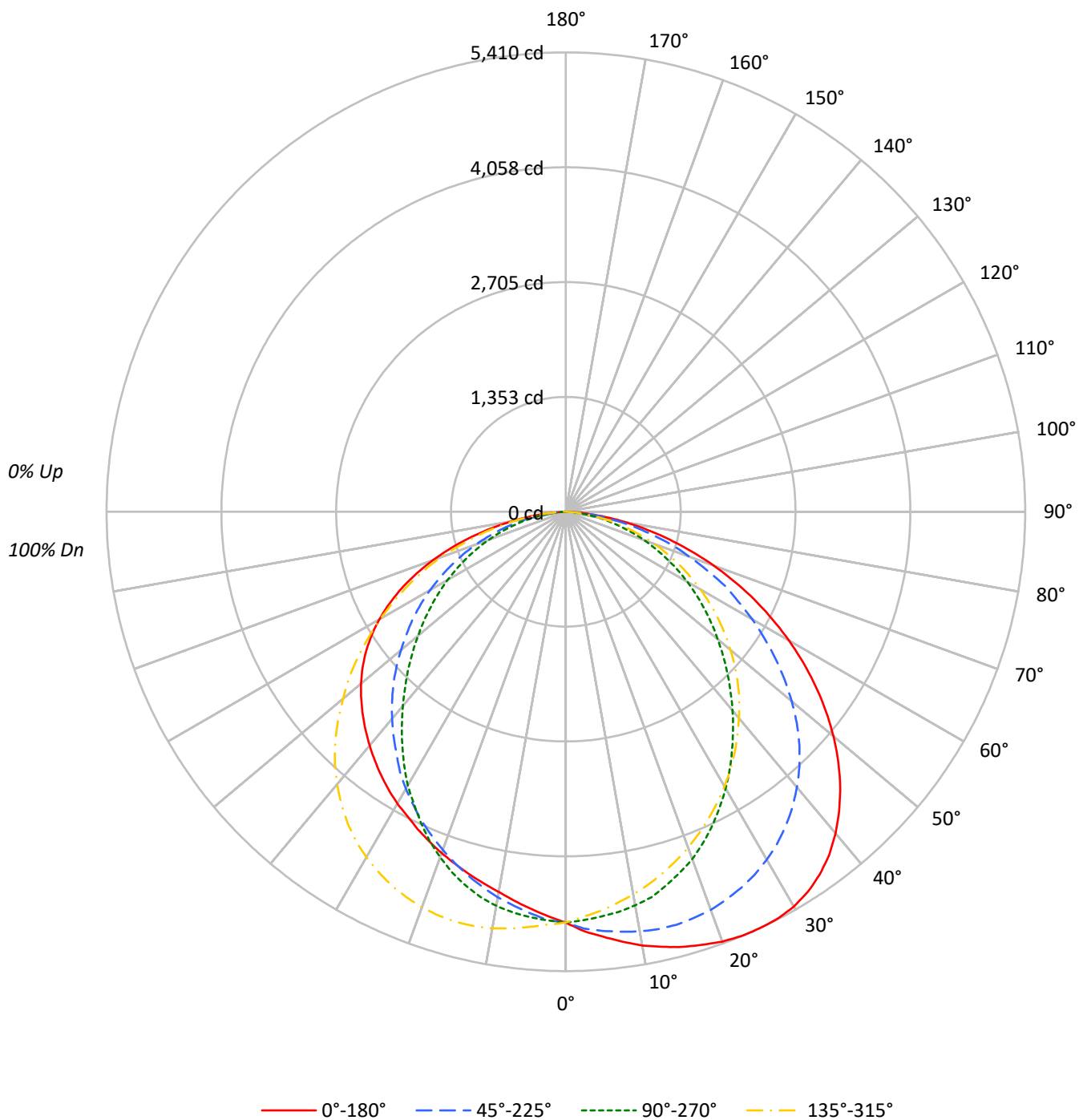
Lumens per Lamp: N/A
Luminaire Lumens: 14194.9 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 140.4
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	6510	6510	6510	6510
5°	6785	6463	6341	6474
10°	7087	6430	6212	6439
15°	7390	6348	6152	6350
20°	7713	6233	6125	6197
25°	8032	6059	6124	5997
30°	8343	5848	6165	5783
35°	8564	5608	6227	5519
40°	8678	5366	6314	5245
45°	8695	5122	6436	4993
50°	8613	4888	6593	4758
55°	8435	4670	6740	4540
60°	8170	4443	6830	4328
65°	7804	4182	6795	4085
70°	7290	3876	6553	3805
75°	6560	3455	6014	3438
80°	5562	2895	5054	2938
85°	3867	1916	3206	1968

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	3.2
10°-20°	1330.2	9.4
20°-30°	2038.6	14.4
30°-40°	2478.8	17.5
40°-50°	2576.9	18.2
50°-60°	2327.7	16.4
60°-70°	1769.6	12.5
70°-80°	986.6	7.0
80°-90°	227.1	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°	3828.2	27.0
0°-40°	6307.0	44.4
0°-60°	11211.5	79.0
0°-90°	14194.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14194.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4838	4838	4838	4838	4838	
5°	5023	4785	4695	4793	5023	484
15°	5306	4557	4416	4558	5306	1504
25°	5410	4081	4125	4039	5410	2499
35°	5214	3414	3791	3360	5214	3257
45°	4570	2692	3382	2624	4570	3518
55°	3596	1991	2873	1936	3596	3210
65°	2451	1314	2134	1283	2451	2422
75°	1262	665	1157	661	1262	1340
85°	250	124	208	128	250	315
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°	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3
2.5°	4945.5	4873.3	4874.4	4937.6	4889.1	4912.8	4845.1	4871.0	4863.1	4868.8	4813.5
5°	5023.4	4945.5	4944.4	4998.6	4944.4	4954.5	4868.8	4885.7	4860.9	4845.1	4785.2
7.5°	5105.8	5027.9	5020.0	5067.4	4996.3	4988.4	4893.6	4893.6	4848.5	4809.0	4752.5
10°	5187.0	5106.9	5096.7	5132.9	5044.8	5018.9	4903.8	4885.7	4825.9	4767.2	4706.2
12.5°	5248.0	5166.7	5158.8	5181.4	5082.1	5034.7	4903.8	4868.8	4780.7	4698.3	4650.9
15°	5305.5	5222.0	5200.6	5211.9	5097.9	5034.7	4888.0	4833.8	4720.9	4612.6	4557.3
17.5°	5346.2	5266.0	5244.6	5243.5	5105.8	5015.5	4854.1	4779.6	4644.2	4513.3	4458.0
20°	5386.8	5306.7	5279.6	5259.3	5103.5	4989.5	4804.4	4704.0	4546.0	4399.3	4353.0
22.5°	5407.1	5324.7	5295.4	5264.9	5088.8	4942.1	4743.5	4616.0	4435.4	4260.5	4222.1
25°	5410.5	5325.8	5294.2	5250.2	5059.5	4885.7	4664.5	4509.9	4307.9	4113.7	4081.0
27.5°	5401.5	5308.9	5277.3	5224.3	5015.5	4816.9	4570.8	4389.1	4172.4	3958.0	3923.0
30°	5369.9	5276.2	5245.7	5176.9	4953.4	4732.2	4468.1	4254.8	4022.3	3794.3	3763.9
32.5°	5306.7	5215.2	5190.4	5121.6	4885.7	4634.0	4348.5	4110.3	3856.4	3638.6	3593.5
35°	5214.1	5122.7	5106.9	5034.7	4790.9	4516.6	4217.6	3952.3	3680.4	3458.0	3414.0
37.5°	5093.4	5016.6	4992.9	4921.8	4679.2	4383.5	4067.5	3780.8	3500.9	3261.6	3234.6
40°	4941.0	4868.8	4850.7	4787.5	4549.4	4235.6	3904.9	3603.6	3315.8	3093.5	3055.1
42.5°	4767.2	4699.5	4689.3	4623.9	4389.1	4072.0	3728.9	3419.6	3122.8	2908.4	2870.0
45°	4569.7	4504.2	4502.0	4439.9	4214.2	3890.3	3543.8	3233.4	2934.4	2712.0	2691.7
47.5°	4351.9	4293.2	4293.2	4235.6	4018.9	3690.5	3353.1	3039.3	2744.7	2548.4	2512.3
50°	4114.9	4059.6	4042.6	4014.4	3803.4	3472.7	3152.2	2849.7	2557.4	2370.1	2335.1
52.5°	3862.1	3814.7	3825.9	3774.0	3569.8	3245.8	2949.0	2636.4	2368.9	2198.5	2163.5
55°	3595.7	3528.0	3538.2	3519.0	3326.0	3012.2	2721.0	2460.3	2183.8	2023.6	1990.8
57.5°	3319.2	3231.2	3267.3	3256.0	3066.4	2773.0	2512.3	2260.6	1999.9	1852.0	1820.4
60°	3035.9	2951.3	2988.5	2978.4	2800.0	2533.7	2296.7	2063.1	1817.0	1682.7	1651.1
62.5°	2744.7	2666.9	2700.7	2692.8	2529.2	2288.8	2082.3	1867.8	1633.1	1512.3	1483.0
65°	2451.3	2376.8	2407.3	2401.7	2250.4	2067.6	1862.2	1665.8	1448.0	1343.0	1313.7
67.5°	2151.1	2082.3	2110.5	2110.5	1971.7	1796.7	1641.0	1461.5	1266.3	1176.0	1148.9
70°	1853.2	1788.8	1813.7	1811.4	1694.0	1551.8	1417.5	1257.3	1082.3	1007.8	985.3
72.5°	1552.9	1496.5	1519.1	1516.8	1418.6	1327.2	1194.1	1055.2	902.9	843.1	822.7
75°	1261.8	1208.7	1230.2	1227.9	1147.8	1062.0	972.9	857.7	726.8	685.1	664.7
77.5°	984.1	930.0	948.0	948.0	889.3	827.3	756.2	667.0	574.5	529.3	514.6
80°	717.8	691.8	682.8	683.9	644.4	603.8	567.7	481.9	414.2	383.7	373.6
82.5°	471.8	450.3	441.3	443.5	421.0	396.1	373.6	313.7	268.6	250.5	244.9
85°	250.5	234.7	226.8	232.5	228.0	214.4	203.1	162.5	134.3	127.5	124.1
87.5°	79.0	68.8	63.2	83.5	71.1	63.2	60.9	48.5	37.2	37.2	36.1
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°	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3
2.5°	4831.5	4831.5	4787.5	4777.3	4772.8	4778.5	4734.5	4726.6	4789.8	4768.3	4719.8
5°	4793.1	4790.9	4728.8	4717.5	4717.5	4710.8	4661.1	4649.8	4713.0	4695.0	4641.9
7.5°	4745.7	4739.0	4665.6	4657.7	4646.4	4641.9	4586.6	4578.7	4632.9	4621.6	4571.9
10°	4688.2	4681.4	4594.5	4588.9	4576.5	4567.4	4515.5	4509.9	4565.2	4547.1	4507.6
12.5°	4612.6	4600.2	4511.0	4505.4	4495.2	4491.8	4441.0	4438.8	4499.7	4481.7	4439.9
15°	4513.3	4503.1	4403.8	4406.0	4407.2	4407.2	4366.5	4364.3	4424.1	4416.2	4371.1
17.5°	4403.8	4390.2	4295.4	4302.2	4310.1	4319.1	4287.5	4293.2	4356.4	4346.2	4305.6
20°	4279.6	4266.1	4173.6	4192.7	4209.7	4227.7	4207.4	4223.2	4281.9	4277.4	4246.9
22.5°	4140.8	4127.3	4041.5	4070.8	4099.1	4132.9	4123.9	4141.9	4204.0	4202.9	4175.8
25°	3971.5	3974.9	3899.3	3935.4	3982.8	4030.2	4033.6	4062.9	4131.8	4125.0	4100.2
27.5°	3813.5	3818.0	3737.9	3798.9	3862.1	3923.0	3937.7	3978.3	4048.3	4042.6	4021.2
30°	3647.6	3653.3	3575.4	3658.9	3735.7	3810.1	3841.7	3897.0	3968.1	3968.1	3945.6
32.5°	3474.9	3485.1	3403.8	3515.6	3604.7	3691.6	3746.9	3804.5	3885.8	3883.5	3864.3
35°	3297.8	3309.0	3234.6	3376.8	3465.9	3572.0	3640.9	3717.6	3789.8	3791.0	3776.3
37.5°	3117.2	3130.7	3063.0	3218.8	3320.3	3445.6	3533.6	3610.4	3690.5	3695.0	3681.5
40°	2937.7	2952.4	2893.7	3043.8	3172.5	3312.4	3414.0	3504.3	3592.3	3594.6	3585.6
42.5°	2758.3	2774.1	2730.1	2876.8	3022.4	3172.5	3292.1	3394.8	3485.1	3490.7	3480.6
45°	2583.4	2596.9	2565.3	2725.6	2865.5	3029.2	3166.8	3283.1	3374.5	3382.4	3379.0
47.5°	2409.6	2422.0	2393.8	2540.5	2701.9	2875.7	3034.8	3163.5	3260.5	3269.5	3267.3
50°	2239.1	2249.3	2218.8	2372.3	2532.6	2717.7	2883.6	3032.5	3140.9	3149.9	3148.8
52.5°	2069.8	2080.0	2054.0	2215.4	2361.0	2556.3	2736.8	2898.2	3005.5	3019.0	3021.3
55°	1906.2	1910.7	1890.4	2045.0	2186.1	2390.4	2598.0	2754.9	2862.1	2873.4	2880.2
57.5°	1742.6	1743.7	1726.8	1874.6	2010.0	2218.8	2436.6	2601.4	2703.0	2714.3	2724.4
60°	1580.0	1578.9	1559.7	1703.1	1832.8	2039.4	2266.2	2429.9	2528.1	2538.2	2551.8
62.5°	1418.6	1415.3	1398.3	1530.4	1652.3	1856.5	2084.5	2242.5	2336.2	2343.0	2361.0
65°	1258.4	1255.0	1239.2	1361.1	1471.7	1666.9	1890.4	2040.5	2125.1	2134.2	2130.8
67.5°	1100.4	1093.6	1081.2	1190.7	1291.1	1471.7	1686.1	1829.5	1899.4	1907.3	1928.8
70°	942.4	934.5	906.3	1022.5	1110.5	1271.9	1471.7	1599.2	1657.9	1665.8	1662.4
72.5°	786.6	778.7	748.3	855.5	930.0	1071.0	1249.4	1355.4	1406.2	1413.0	1413.0
75°	635.4	630.9	611.7	693.0	755.0	870.1	1021.4	1109.4	1148.9	1156.8	1154.6
77.5°	489.8	486.4	467.2	537.2	585.7	671.5	793.4	862.2	891.6	900.6	919.8
80°	351.0	349.9	319.4	388.2	409.7	481.9	571.1	624.1	639.9	652.3	665.9
82.5°	224.6	225.7	195.2	253.9	263.0	309.2	364.5	397.3	408.6	418.7	428.9
85°	109.5	114.0	97.1	134.3	135.4	159.1	182.8	195.2	199.8	207.7	216.7
87.5°	28.2	32.7	18.1	38.4	33.9	44.0	50.8	54.2	53.0	58.7	62.1
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°	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3
2.5°	4735.6	4771.7	4753.6	4812.3	4834.9	4798.8	4862.0	4863.1	4818.0	4871.0	4900.4
5°	4662.2	4699.5	4688.2	4749.1	4777.3	4745.7	4822.5	4837.2	4793.1	4853.0	4900.4
7.5°	4587.7	4631.8	4617.1	4679.2	4713.0	4688.2	4770.6	4794.3	4760.4	4825.9	4889.1
10°	4523.4	4560.7	4544.9	4610.3	4639.7	4619.3	4700.6	4744.6	4713.0	4793.1	4868.8
12.5°	4460.2	4490.7	4472.6	4526.8	4555.0	4529.1	4628.4	4669.0	4646.4	4729.9	4827.0
15°	4379.0	4412.8	4388.0	4436.5	4458.0	4435.4	4516.6	4586.6	4558.4	4649.8	4757.0
17.5°	4316.9	4336.1	4302.2	4340.6	4353.0	4322.5	4404.9	4473.8	4453.4	4552.8	4676.9
20°	4248.0	4263.8	4216.4	4237.9	4236.8	4198.4	4274.0	4341.7	4328.2	4437.6	4578.7
22.5°	4171.3	4179.2	4123.9	4128.4	4126.1	4062.9	4130.7	4199.5	4193.9	4304.5	4462.5
25°	4090.0	4091.2	4020.1	4017.8	3993.0	3918.5	3978.3	4056.2	4039.2	4158.9	4324.8
27.5°	4009.9	3998.6	3912.8	3892.5	3853.0	3763.9	3816.9	3886.9	3876.7	3994.1	4178.1
30°	3924.1	3909.5	3804.5	3767.3	3709.7	3607.0	3651.0	3716.5	3722.1	3824.8	4017.8
32.5°	3842.9	3805.6	3689.4	3635.2	3563.0	3443.3	3467.0	3533.6	3542.7	3646.5	3845.1
35°	3737.9	3713.1	3569.8	3477.2	3406.1	3275.2	3300.0	3346.3	3359.8	3461.4	3663.4
37.5°	3638.6	3599.1	3446.7	3333.9	3242.5	3104.8	3111.5	3158.9	3172.5	3275.2	3474.9
40°	3535.9	3479.5	3315.8	3183.8	3078.8	2934.4	2926.5	2976.1	2986.3	3086.7	3267.3
42.5°	3426.4	3358.7	3174.7	3030.3	2909.5	2762.8	2747.0	2789.9	2801.2	2899.4	3076.6
45°	3315.8	3234.6	3030.3	2872.3	2740.2	2590.1	2574.3	2607.1	2624.0	2716.5	2887.0
47.5°	3198.4	3103.6	2881.3	2705.2	2568.7	2418.6	2399.4	2432.1	2445.7	2537.1	2698.5
50°	3075.4	2960.3	2727.8	2533.7	2398.3	2250.4	2222.2	2260.6	2273.0	2358.8	2516.8
52.5°	2940.0	2812.5	2564.2	2361.0	2225.6	2084.5	2050.7	2087.9	2102.6	2186.1	2331.7
55°	2796.7	2659.0	2399.4	2201.9	2055.2	1917.5	1889.3	1903.9	1935.5	2014.5	2150.0
57.5°	2635.3	2498.7	2225.6	2024.7	1883.6	1751.6	1727.9	1741.4	1770.8	1847.5	1969.4
60°	2463.7	2319.3	2048.4	1847.5	1711.0	1585.7	1564.2	1576.6	1608.3	1678.2	1791.1
62.5°	2294.4	2131.9	1865.6	1665.8	1541.7	1425.4	1419.8	1415.3	1444.6	1512.3	1611.6
65°	2089.0	1933.3	1674.8	1485.2	1372.4	1267.4	1244.8	1255.0	1283.2	1345.3	1449.1
67.5°	1869.0	1727.9	1479.6	1304.7	1204.2	1110.5	1091.4	1095.9	1125.2	1179.4	1269.7
70°	1635.3	1511.2	1279.8	1123.0	1038.3	950.3	937.9	939.0	967.2	1014.6	1093.6
72.5°	1390.4	1278.7	1077.8	943.5	873.5	810.3	799.0	785.5	811.5	852.1	919.8
75°	1141.0	1042.8	876.9	767.4	712.1	659.1	648.9	635.4	661.4	696.3	749.4
77.5°	889.3	810.3	681.7	597.0	554.1	514.6	505.6	490.9	516.9	542.9	584.6
80°	643.3	585.7	509.0	419.8	405.2	379.2	370.2	354.4	379.2	396.1	427.7
82.5°	415.3	377.0	332.9	270.9	268.6	249.4	244.9	226.8	249.4	259.6	283.3
85°	209.9	191.9	180.6	137.7	142.2	129.8	128.7	109.5	127.5	132.0	145.6
87.5°	59.8	63.2	56.4	33.9	42.9	40.6	40.6	29.3	40.6	40.6	46.3
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: P838196

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6LO-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3	4838.3
2.5°	4842.8	4862.0	4866.5	4865.4	4877.8	4945.5	4922.9	4945.5
5°	4854.1	4897.0	4908.3	4924.1	4944.4	5021.1	4996.3	5023.4
7.5°	4860.9	4925.2	4950.0	4980.5	5013.2	5099.0	5078.7	5105.8
10°	4860.9	4944.4	4980.5	5031.3	5075.3	5174.6	5155.4	5187.0
12.5°	4840.6	4947.8	4998.6	5069.7	5126.1	5233.3	5225.4	5248.0
15°	4798.8	4930.8	5000.8	5092.2	5162.2	5281.8	5278.4	5305.5
17.5°	4742.4	4901.5	4986.1	5101.3	5189.3	5323.6	5331.5	5346.2
20°	4671.3	4846.2	4956.8	5097.9	5208.5	5356.3	5366.5	5386.8
22.5°	4577.6	4779.6	4912.8	5083.2	5210.7	5369.9	5387.9	5407.1
25°	4467.0	4699.5	4855.2	5055.0	5199.4	5368.7	5393.6	5410.5
27.5°	4340.6	4595.6	4781.9	5009.8	5167.8	5350.7	5381.1	5401.5
30°	4193.9	4485.0	4698.3	4951.2	5125.0	5316.8	5349.5	5369.9
32.5°	4042.6	4363.2	4599.0	4875.5	5062.9	5262.6	5290.9	5306.7
35°	3877.9	4215.3	4479.4	4778.5	4982.8	5175.7	5197.2	5214.1
37.5°	3698.4	4055.0	4342.8	4669.0	4869.9	5055.0	5074.2	5093.4
40°	3513.3	3886.9	4189.4	4534.7	4735.6	4907.1	4927.5	4941.0
42.5°	3327.1	3700.7	4025.7	4376.7	4576.5	4741.2	4753.6	4767.2
45°	3138.6	3507.7	3841.7	4201.8	4399.3	4553.9	4558.4	4569.7
47.5°	2946.8	3307.9	3639.7	4002.0	4197.3	4338.3	4342.8	4351.9
50°	2753.8	3108.2	3424.2	3786.4	3977.2	4126.1	4105.8	4114.9
52.5°	2564.2	2898.2	3221.0	3554.0	3742.4	3874.5	3880.1	3862.1
55°	2378.0	2692.8	2989.7	3310.2	3489.6	3592.3	3588.9	3595.7
57.5°	2189.5	2485.2	2757.2	3050.6	3225.5	3322.6	3342.9	3319.2
60°	1997.6	2275.3	2519.0	2784.2	2953.5	3034.8	3058.5	3035.9
62.5°	1806.9	2061.9	2283.2	2514.5	2671.4	2771.8	2769.6	2744.7
65°	1616.2	1847.5	2045.0	2241.4	2378.0	2478.4	2473.9	2451.3
67.5°	1440.1	1630.8	1808.0	1967.1	2085.6	2154.5	2178.2	2151.1
70°	1246.0	1410.7	1566.5	1694.0	1792.2	1854.3	1876.9	1853.2
72.5°	1051.9	1191.8	1301.3	1424.3	1499.9	1551.8	1575.5	1552.9
75°	860.0	975.1	1064.3	1160.2	1213.2	1257.3	1284.3	1261.8
77.5°	673.8	762.9	834.0	904.0	965.0	975.1	998.8	984.1
80°	496.6	560.9	612.8	659.1	703.1	707.6	726.8	717.8
82.5°	330.7	373.6	387.1	435.6	463.9	459.3	478.5	471.8
85°	174.9	200.9	224.6	239.3	255.1	240.4	257.3	250.5
87.5°	58.7	62.1	54.2	76.7	84.6	72.2	82.4	79.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)