

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: P838194

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5STD-30-120-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: P838194
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-LD4-5STD-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

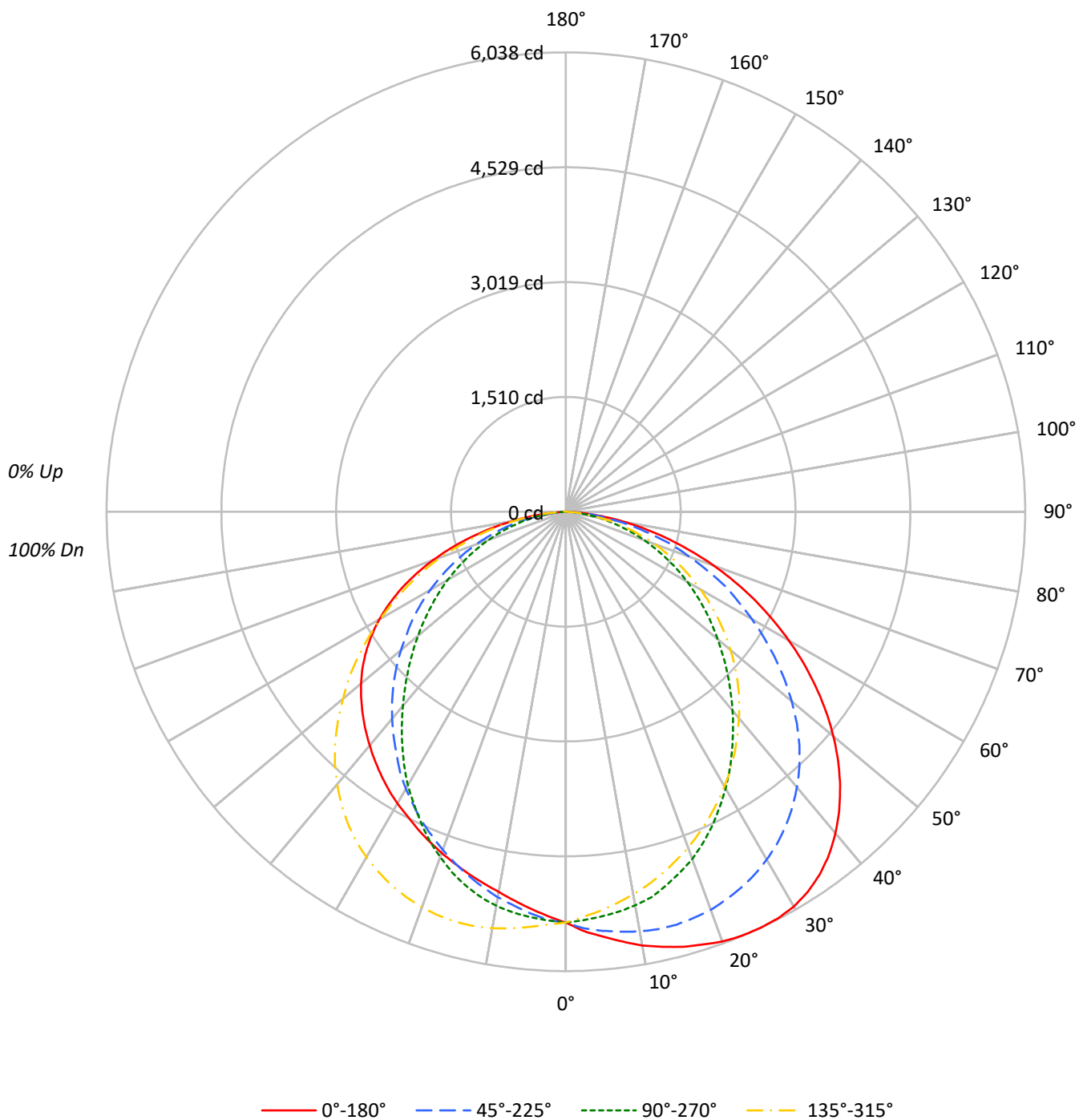
Lumens per Lamp: N/A
Luminaire Lumens: 15840.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 166.5
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°	7265	7265	7265	7265
5°	7571	7212	7076	7224
10°	7908	7175	6933	7186
15°	8247	7084	6865	7086
20°	8607	6955	6835	6916
25°	8964	6761	6834	6692
30°	9310	6526	6880	6453
35°	9557	6258	6949	6159
40°	9685	5988	7045	5853
45°	9703	5716	7182	5572
50°	9612	5454	7358	5309
55°	9413	5212	7522	5067
60°	9117	4958	7622	4829
65°	8709	4667	7582	4559
70°	8135	4325	7313	4246
75°	7320	3856	6711	3837
80°	6206	3230	5641	3279
85°	4316	2138	3577	2197

Classified

Scaled Data Report

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.6	3.2
10°-20°	1484.4	9.4
20°-30°	2274.9	14.4
30°-40°	2766.2	17.5
40°-50°	2875.6	18.2
50°-60°	2597.5	16.4
60°-70°	1974.8	12.5
70°-80°	1100.9	7.0
80°-90°	253.5	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°	4272.0	27.0
0°-40°	7038.2	44.4
0°-60°	12511.3	79.0
0°-90°	15840.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15840.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5399	5399	5399	5399	5399	
5°	5606	5340	5239	5349	5606	541
15°	5921	5086	4928	5087	5921	1679
25°	6038	4554	4603	4508	6038	2789
35°	5819	3810	4230	3749	5819	3634
45°	5100	3004	3774	2928	5100	3926
55°	4013	2222	3206	2160	4013	3582
65°	2736	1466	2382	1432	2736	2703
75°	1408	742	1291	738	1408	1496
85°	280	138	232	142	280	352
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°	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2
2.5°	5518.9	5438.3	5439.5	5510.1	5455.9	5482.3	5406.8	5435.7	5426.9	5433.2	5371.5
5°	5605.8	5518.9	5517.6	5578.1	5517.6	5528.9	5433.2	5452.1	5424.4	5406.8	5340.0
7.5°	5697.7	5610.8	5602.0	5654.9	5575.5	5566.7	5460.9	5460.9	5410.6	5366.5	5303.5
10°	5788.4	5699.0	5687.6	5727.9	5629.7	5600.7	5472.3	5452.1	5385.4	5319.9	5251.9
12.5°	5856.4	5765.7	5756.9	5782.1	5671.3	5618.4	5472.3	5433.2	5335.0	5243.1	5190.2
15°	5920.6	5827.4	5803.5	5816.1	5688.9	5618.4	5454.6	5394.2	5268.2	5147.3	5085.6
17.5°	5966.0	5876.5	5852.6	5851.4	5697.7	5597.0	5416.9	5333.7	5182.6	5036.5	4974.8
20°	6011.3	5921.9	5891.7	5869.0	5695.2	5568.0	5361.4	5249.3	5073.0	4909.3	4857.7
22.5°	6034.0	5942.0	5909.3	5875.3	5678.8	5515.1	5293.4	5151.1	4949.6	4754.4	4711.6
25°	6037.8	5943.3	5908.0	5858.9	5646.1	5452.1	5205.3	5032.7	4807.3	4590.7	4554.1
27.5°	6027.7	5924.4	5889.1	5830.0	5597.0	5375.3	5100.7	4898.0	4656.2	4416.9	4377.8
30°	5992.4	5887.9	5853.9	5777.1	5527.7	5280.8	4986.1	4748.1	4488.6	4234.2	4200.2
32.5°	5921.9	5819.9	5792.2	5715.3	5452.1	5171.3	4852.6	4586.9	4303.5	4060.4	4010.1
35°	5818.6	5716.6	5699.0	5618.4	5346.3	5040.3	4706.5	4410.6	4107.0	3858.9	3809.8
37.5°	5683.9	5598.2	5571.8	5492.4	5221.6	4891.7	4539.0	4219.1	3906.8	3639.8	3609.6
40°	5513.8	5433.2	5413.1	5342.5	5076.8	4726.7	4357.7	4021.4	3700.2	3452.1	3409.3
42.5°	5319.9	5244.3	5233.0	5159.9	4898.0	4544.1	4161.2	3816.1	3484.9	3245.6	3202.8
45°	5099.5	5026.4	5023.9	4954.6	4702.8	4341.3	3954.6	3608.3	3274.5	3026.4	3003.8
47.5°	4856.4	4790.9	4790.9	4726.7	4484.9	4118.4	3741.8	3391.7	3063.0	2843.8	2803.5
50°	4591.9	4530.2	4511.3	4479.8	4244.3	3875.3	3517.6	3180.1	2853.9	2644.8	2605.8
52.5°	4309.8	4256.9	4269.5	4211.6	3983.6	3622.2	3290.9	2942.1	2643.6	2453.4	2414.3
55°	4012.6	3937.0	3948.3	3926.9	3711.6	3361.4	3036.5	2745.6	2437.0	2258.2	2221.7
57.5°	3704.0	3605.8	3646.1	3633.5	3421.9	3094.4	2803.5	2522.7	2231.7	2066.7	2031.5
60°	3387.9	3293.4	3335.0	3323.7	3124.7	2827.4	2563.0	2302.3	2027.7	1877.8	1842.6
62.5°	3063.0	2976.1	3013.8	3005.0	2822.4	2554.1	2323.7	2084.4	1822.4	1687.7	1654.9
65°	2735.5	2652.4	2686.4	2680.1	2511.3	2307.3	2078.1	1858.9	1615.9	1498.7	1466.0
67.5°	2400.5	2323.7	2355.2	2355.2	2200.2	2005.0	1831.2	1631.0	1413.1	1312.3	1282.1
70°	2068.0	1996.2	2023.9	2021.4	1890.4	1731.7	1581.9	1403.0	1207.8	1124.7	1099.5
72.5°	1733.0	1670.0	1695.2	1692.7	1583.1	1481.1	1332.5	1177.6	1007.6	940.8	918.1
75°	1408.1	1348.9	1372.8	1370.3	1280.9	1185.1	1085.6	957.2	811.1	764.5	741.8
77.5°	1098.2	1037.8	1057.9	1057.9	992.4	923.2	843.8	744.3	641.1	590.7	574.3
80°	801.0	772.0	762.0	763.2	719.1	673.8	633.5	537.8	462.2	428.2	416.9
82.5°	526.4	502.5	492.4	495.0	469.8	442.1	416.9	350.1	299.7	279.6	273.3
85°	279.6	262.0	253.1	259.4	254.4	239.3	226.7	181.4	149.9	142.3	138.5
87.5°	88.2	76.8	70.5	93.2	79.3	70.5	68.0	54.2	41.6	41.6	40.3
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°	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2
2.5°	5391.7	5391.7	5342.5	5331.2	5326.2	5332.5	5283.4	5274.5	5345.1	5321.1	5267.0
5°	5348.8	5346.3	5277.1	5264.5	5264.5	5256.9	5201.5	5188.9	5259.4	5239.3	5180.1
7.5°	5295.9	5288.4	5206.5	5197.7	5185.1	5180.1	5118.4	5109.6	5170.0	5157.4	5102.0
10°	5231.7	5224.2	5127.2	5120.9	5107.0	5097.0	5039.0	5032.7	5094.4	5074.3	5030.2
12.5°	5147.3	5133.5	5034.0	5027.7	5016.4	5012.6	4955.9	4953.4	5021.4	5001.2	4954.6
15°	5036.5	5025.2	4914.3	4916.9	4918.1	4918.1	4872.8	4870.3	4937.0	4928.2	4877.8
17.5°	4914.3	4899.2	4793.4	4801.0	4809.8	4819.9	4784.6	4790.9	4861.4	4850.1	4804.8
20°	4775.8	4760.7	4657.4	4678.8	4697.7	4717.9	4695.2	4712.8	4778.3	4773.3	4739.3
22.5°	4620.9	4605.8	4510.1	4542.8	4574.3	4612.1	4602.0	4622.1	4691.4	4690.2	4659.9
25°	4432.0	4435.7	4351.4	4391.7	4444.6	4497.5	4501.2	4534.0	4610.8	4603.3	4575.5
27.5°	4255.6	4260.7	4171.3	4239.3	4309.8	4377.8	4394.2	4439.5	4517.6	4511.3	4487.4
30°	4070.5	4076.8	3989.9	4083.1	4168.7	4251.9	4287.1	4348.8	4428.2	4428.2	4403.0
32.5°	3877.8	3889.2	3798.5	3923.2	4022.7	4119.6	4181.3	4245.6	4336.3	4333.7	4312.3
35°	3680.1	3692.7	3609.6	3768.2	3867.7	3986.1	4063.0	4148.6	4229.2	4230.5	4214.1
37.5°	3478.6	3493.7	3418.1	3591.9	3705.3	3845.1	3943.3	4029.0	4118.4	4123.4	4108.3
40°	3278.3	3294.7	3229.2	3396.7	3540.3	3696.5	3809.8	3910.6	4008.8	4011.3	4001.2
42.5°	3078.1	3095.7	3046.6	3210.3	3372.8	3540.3	3673.8	3788.4	3889.2	3895.4	3884.1
45°	2882.9	2898.0	2862.7	3041.5	3197.7	3380.3	3534.0	3663.7	3765.7	3774.5	3770.8
47.5°	2688.9	2702.8	2671.3	2835.0	3015.1	3209.1	3386.6	3530.2	3638.5	3648.6	3646.1
50°	2498.7	2510.1	2476.1	2647.3	2826.2	3032.7	3217.9	3384.1	3505.0	3515.1	3513.8
52.5°	2309.8	2321.1	2292.2	2472.3	2634.7	2852.6	3054.1	3234.2	3353.9	3369.0	3371.5
55°	2127.2	2132.2	2109.6	2282.1	2439.5	2667.5	2899.2	3074.3	3193.9	3206.5	3214.1
57.5°	1944.6	1945.8	1926.9	2091.9	2243.1	2476.1	2719.1	2903.0	3016.4	3029.0	3040.3
60°	1763.2	1762.0	1740.5	1900.5	2045.3	2275.8	2529.0	2711.6	2821.1	2832.5	2847.6
62.5°	1583.1	1579.3	1560.4	1707.8	1843.8	2071.8	2326.2	2502.5	2607.0	2614.6	2634.7
65°	1404.3	1400.5	1382.9	1518.9	1642.3	1860.2	2109.6	2277.1	2371.5	2381.6	2377.8
67.5°	1228.0	1220.4	1206.5	1328.7	1440.8	1642.3	1881.6	2041.6	2119.6	2128.5	2152.4
70°	1051.6	1042.8	1011.3	1141.1	1239.3	1419.4	1642.3	1784.6	1850.1	1858.9	1855.2
72.5°	877.8	869.0	835.0	954.7	1037.8	1195.2	1394.2	1512.6	1569.3	1576.8	1576.8
75°	709.1	704.0	682.6	773.3	842.6	971.0	1139.8	1238.0	1282.1	1290.9	1288.4
77.5°	546.6	542.8	521.4	599.5	653.6	749.4	885.4	962.2	995.0	1005.0	1026.4
80°	391.7	390.4	356.4	433.2	457.2	537.8	637.3	696.5	714.1	728.0	743.1
82.5°	250.6	251.9	217.9	283.4	293.4	345.1	406.8	443.3	455.9	467.3	478.6
85°	122.2	127.2	108.3	149.9	151.1	177.6	204.0	217.9	222.9	231.7	241.8
87.5°	31.5	36.5	20.2	42.8	37.8	49.1	56.7	60.5	59.2	65.5	69.3
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2
2.5°	5284.6	5324.9	5304.8	5370.3	5395.4	5355.1	5425.7	5426.9	5376.6	5435.7	5468.5
5°	5202.7	5244.3	5231.7	5299.7	5331.2	5295.9	5381.6	5398.0	5348.8	5415.6	5468.5
7.5°	5119.6	5168.7	5152.4	5221.6	5259.4	5231.7	5323.7	5350.1	5312.3	5385.4	5455.9
10°	5047.8	5089.4	5071.8	5144.8	5177.6	5154.9	5245.6	5294.7	5259.4	5348.8	5433.2
12.5°	4977.3	5011.3	4991.2	5051.6	5083.1	5054.1	5165.0	5210.3	5185.1	5278.3	5386.6
15°	4886.6	4924.4	4896.7	4950.9	4974.8	4949.6	5040.3	5118.4	5086.9	5188.9	5308.5
17.5°	4817.4	4838.8	4801.0	4843.8	4857.7	4823.7	4915.6	4992.4	4969.8	5080.6	5219.1
20°	4740.5	4758.2	4705.3	4729.2	4727.9	4685.1	4769.5	4845.1	4830.0	4952.1	5109.6
22.5°	4654.9	4663.7	4602.0	4607.0	4604.5	4534.0	4609.6	4686.4	4680.1	4803.5	4979.8
25°	4564.2	4565.5	4486.1	4483.6	4455.9	4372.8	4439.5	4526.4	4507.5	4641.0	4826.2
27.5°	4474.8	4462.2	4366.5	4343.8	4299.7	4200.2	4259.4	4337.5	4326.2	4457.2	4662.4
30°	4379.1	4362.7	4245.6	4204.0	4139.8	4025.2	4074.3	4147.3	4153.6	4268.2	4483.6
32.5°	4288.4	4246.8	4117.1	4056.7	3976.1	3842.6	3869.0	3943.3	3953.4	4069.3	4290.9
35°	4171.3	4143.6	3983.6	3880.3	3801.0	3654.9	3682.6	3734.2	3749.4	3862.7	4088.1
37.5°	4060.4	4016.4	3846.3	3720.4	3618.4	3464.7	3472.3	3525.2	3540.3	3654.9	3877.8
40°	3945.8	3882.9	3700.2	3552.9	3435.8	3274.5	3265.7	3321.1	3332.5	3444.6	3646.1
42.5°	3823.7	3748.1	3542.8	3381.6	3246.8	3083.1	3065.5	3113.3	3125.9	3235.5	3433.2
45°	3700.2	3609.6	3381.6	3205.3	3057.9	2890.4	2872.8	2909.3	2928.2	3031.5	3221.6
47.5°	3569.3	3463.5	3215.4	3018.9	2866.5	2699.0	2677.6	2714.1	2729.2	2831.2	3011.3
50°	3432.0	3303.5	3044.1	2827.4	2676.3	2511.3	2479.8	2522.7	2536.5	2632.2	2808.6
52.5°	3280.8	3138.5	2861.4	2634.7	2483.6	2326.2	2288.4	2330.0	2346.3	2439.5	2602.0
55°	3120.9	2967.2	2677.6	2457.2	2293.4	2139.8	2108.3	2124.7	2159.9	2248.1	2399.2
57.5°	2940.8	2788.4	2483.6	2259.4	2102.0	1954.7	1928.2	1943.3	1976.1	2061.7	2197.7
60°	2749.4	2588.2	2285.9	2061.7	1909.3	1769.5	1745.6	1759.4	1794.7	1872.8	1998.7
62.5°	2560.4	2379.1	2081.9	1858.9	1720.4	1590.7	1584.4	1579.3	1612.1	1687.7	1798.5
65°	2331.2	2157.4	1869.0	1657.4	1531.5	1414.4	1389.2	1400.5	1432.0	1501.3	1617.1
67.5°	2085.6	1928.2	1651.1	1455.9	1343.8	1239.3	1217.9	1222.9	1255.7	1316.1	1416.9
70°	1824.9	1686.4	1428.2	1253.1	1158.7	1060.4	1046.6	1047.9	1079.3	1132.2	1220.4
72.5°	1551.6	1426.9	1202.8	1052.9	974.8	904.3	891.7	876.6	905.5	950.9	1026.4
75°	1273.3	1163.7	978.6	856.4	794.7	735.5	724.2	709.1	738.0	777.1	836.3
77.5°	992.4	904.3	760.7	666.2	618.4	574.3	564.2	547.9	576.8	605.8	652.4
80°	717.9	653.6	568.0	468.5	452.1	423.2	413.1	395.5	423.2	442.1	477.3
82.5°	463.5	420.7	371.5	302.3	299.7	278.3	273.3	253.1	278.3	289.7	316.1
85°	234.3	214.1	201.5	153.7	158.7	144.8	143.6	122.2	142.3	147.4	162.5
87.5°	66.8	70.5	63.0	37.8	47.9	45.3	45.3	32.7	45.3	45.3	51.6
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: P838194

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5STD-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2	5399.2
2.5°	5404.3	5425.7	5430.7	5429.4	5443.3	5518.9	5493.7	5518.9
5°	5416.9	5464.7	5477.3	5494.9	5517.6	5603.3	5575.5	5605.8
7.5°	5424.4	5496.2	5523.9	5557.9	5594.4	5690.2	5667.5	5697.7
10°	5424.4	5517.6	5557.9	5614.6	5663.7	5774.5	5753.1	5788.4
12.5°	5401.7	5521.4	5578.1	5657.4	5720.4	5840.0	5831.2	5856.4
15°	5355.1	5502.5	5580.6	5682.6	5760.7	5894.2	5890.4	5920.6
17.5°	5292.2	5469.8	5564.2	5692.7	5790.9	5940.8	5949.6	5966.0
20°	5212.8	5408.0	5531.5	5688.9	5812.3	5977.3	5988.6	6011.3
22.5°	5108.3	5333.7	5482.3	5672.5	5814.8	5992.4	6012.6	6034.0
25°	4984.9	5244.3	5418.1	5641.0	5802.2	5991.2	6018.9	6037.8
27.5°	4843.8	5128.4	5336.2	5590.7	5767.0	5971.0	6005.0	6027.7
30°	4680.1	5005.0	5243.1	5525.2	5719.1	5933.2	5969.7	5992.4
32.5°	4511.3	4869.0	5132.2	5440.8	5649.9	5872.8	5904.3	5921.9
35°	4327.4	4704.0	4998.7	5332.5	5560.4	5775.8	5799.7	5818.6
37.5°	4127.2	4525.2	4846.3	5210.3	5434.5	5641.0	5662.4	5683.9
40°	3920.6	4337.5	4675.0	5060.4	5284.6	5476.0	5498.7	5513.8
42.5°	3712.8	4129.7	4492.4	4884.1	5107.0	5290.9	5304.8	5319.9
45°	3502.5	3914.3	4287.1	4688.9	4909.3	5081.8	5086.9	5099.5
47.5°	3288.4	3691.4	4061.7	4466.0	4683.9	4841.3	4846.3	4856.4
50°	3073.0	3468.5	3821.1	4225.4	4438.3	4604.5	4581.8	4591.9
52.5°	2861.4	3234.2	3594.4	3966.0	4176.3	4323.7	4330.0	4309.8
55°	2653.6	3005.0	3336.3	3693.9	3894.2	4008.8	4005.0	4012.6
57.5°	2443.3	2773.3	3076.8	3404.3	3599.5	3707.8	3730.5	3704.0
60°	2229.2	2539.0	2811.1	3107.0	3296.0	3386.6	3413.1	3387.9
62.5°	2016.4	2301.0	2547.8	2806.0	2981.1	3093.2	3090.7	3063.0
65°	1803.5	2061.7	2282.1	2501.2	2653.6	2765.7	2760.7	2735.5
67.5°	1607.0	1819.9	2017.6	2195.2	2327.4	2404.3	2430.7	2400.5
70°	1390.4	1574.3	1748.1	1890.4	2000.0	2069.3	2094.4	2068.0
72.5°	1173.8	1330.0	1452.1	1589.4	1673.8	1731.7	1758.2	1733.0
75°	959.7	1088.2	1187.7	1294.7	1353.9	1403.0	1433.2	1408.1
77.5°	751.9	851.4	930.7	1008.8	1076.8	1088.2	1114.6	1098.2
80°	554.2	625.9	683.9	735.5	784.6	789.7	811.1	801.0
82.5°	369.0	416.9	432.0	486.1	517.6	512.6	534.0	526.4
85°	195.2	224.2	250.6	267.0	284.6	268.3	287.2	279.6
87.5°	65.5	69.3	60.5	85.6	94.5	80.6	91.9	88.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)