

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: P838102

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-4HI-35-120-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: P838102
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-LD4-4HI-35-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

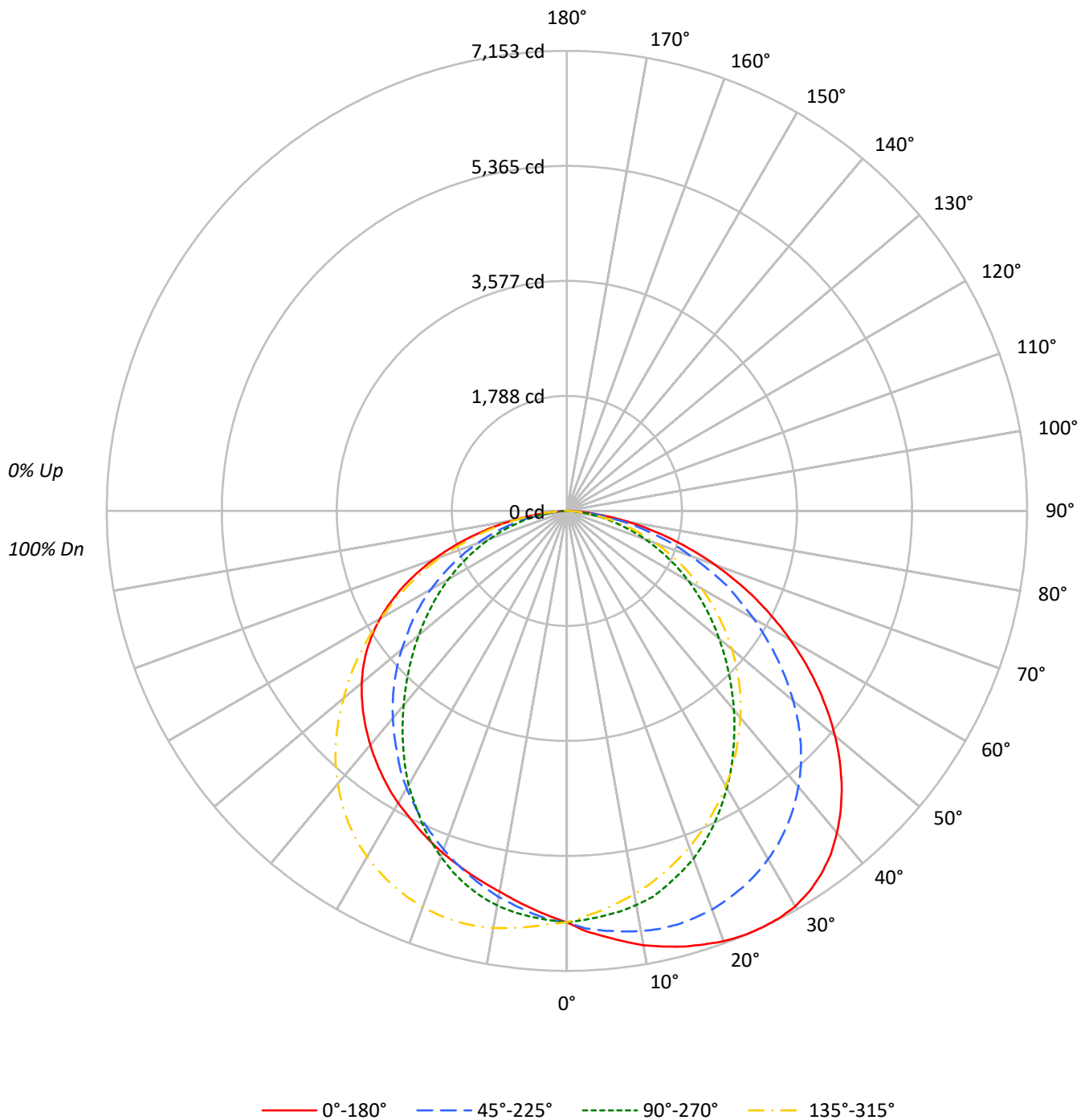
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18767.2 lumens
Efficiency: N/A
Efficacy: 106.6 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): 176
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°	8607	8607	8607	8607
5°	8970	8545	8384	8559
10°	9369	8501	8214	8513
15°	9771	8393	8133	8395
20°	10197	8240	8097	8193
25°	10620	8010	8096	7928
30°	11030	7731	8151	7645
35°	11323	7414	8232	7296
40°	11474	7094	8347	6935
45°	11496	6772	8509	6601
50°	11388	6462	8717	6290
55°	11152	6174	8912	6003
60°	10801	5874	9030	5722
65°	10318	5529	8983	5401
70°	9639	5124	8664	5031
75°	8672	4569	7951	4546
80°	7353	3827	6682	3885
85°	5115	2533	4239	2603

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.3	3.2
10°-20°	1758.7	9.4
20°-30°	2695.2	14.4
30°-40°	3277.3	17.5
40°-50°	3406.9	18.2
50°-60°	3077.4	16.4
60°-70°	2339.7	12.5
70°-80°	1304.3	7.0
80°-90°	300.3	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°	5061.3	27.0
0°-40°	8338.5	44.4
0°-60°	14822.9	79.0
0°-90°	18767.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18767.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6397	6397	6397	6397	6397	
5°	6642	6327	6207	6337	6642	640
15°	7014	6025	5839	6027	7014	1989
25°	7153	5396	5454	5340	7153	3304
35°	6894	4514	5012	4442	6894	4306
45°	6042	3559	4472	3469	6042	4651
55°	4754	2632	3799	2559	4754	4244
65°	3241	1737	2822	1696	3241	3203
75°	1668	879	1529	874	1668	1772
85°	331	164	275	169	331	417
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°	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7
2.5°	6538.5	6443.0	6444.5	6528.0	6463.9	6495.2	6405.7	6440.0	6429.6	6437.0	6363.9
5°	6641.5	6538.5	6537.0	6608.6	6537.0	6550.4	6437.0	6459.4	6426.6	6405.7	6326.6
7.5°	6750.4	6647.4	6637.0	6699.6	6605.6	6595.2	6469.9	6469.9	6410.2	6357.9	6283.3
10°	6857.8	6751.9	6738.4	6786.2	6669.8	6635.5	6483.3	6459.4	6380.3	6302.7	6222.2
12.5°	6938.4	6831.0	6820.5	6850.3	6719.0	6656.4	6483.3	6437.0	6320.6	6211.7	6149.0
15°	7014.5	6904.1	6875.7	6890.6	6739.9	6656.4	6462.4	6390.8	6241.6	6098.3	6025.2
17.5°	7068.2	6962.3	6933.9	6932.4	6750.4	6631.0	6417.6	6319.2	6140.1	5967.0	5893.9
20°	7121.9	7016.0	6980.2	6953.3	6747.4	6596.7	6352.0	6219.2	6010.3	5816.3	5755.1
22.5°	7148.8	7039.8	7001.1	6960.8	6728.0	6534.0	6271.4	6102.8	5864.1	5632.8	5582.0
25°	7153.2	7041.3	6999.6	6941.4	6689.2	6459.4	6167.0	5962.5	5695.4	5438.8	5395.5
27.5°	7141.3	7019.0	6977.2	6907.0	6631.0	6368.4	6043.1	5802.9	5516.4	5232.9	5186.6
30°	7099.5	6975.7	6935.4	6844.4	6548.9	6256.5	5907.3	5625.3	5317.9	5016.5	4976.2
32.5°	7016.0	6895.1	6862.3	6771.3	6459.4	6126.7	5749.2	5434.3	5098.6	4810.6	4750.9
35°	6893.6	6772.8	6751.9	6656.4	6334.1	5971.5	5576.1	5225.4	4865.8	4571.9	4513.7
37.5°	6734.0	6632.5	6601.2	6507.2	6186.4	5795.4	5377.6	4998.6	4628.6	4312.2	4276.4
40°	6532.5	6437.0	6413.2	6329.6	6014.8	5599.9	5162.8	4764.4	4383.9	4089.9	4039.2
42.5°	6302.7	6213.2	6199.8	6113.2	5802.9	5383.6	4930.0	4521.1	4128.7	3845.2	3794.5
45°	6041.6	5955.1	5952.1	5870.0	5571.6	5143.4	4685.3	4274.9	3879.5	3585.6	3558.7
47.5°	5753.6	5676.0	5676.0	5599.9	5313.5	4879.3	4433.1	4018.3	3628.8	3369.2	3321.5
50°	5440.3	5367.2	5344.8	5307.5	5028.5	4591.3	4167.5	3767.6	3381.2	3133.5	3087.2
52.5°	5106.1	5043.4	5058.3	4989.7	4719.6	4291.4	3898.9	3485.6	3132.0	2906.7	2860.4
55°	4753.9	4664.4	4677.8	4652.4	4397.3	3982.5	3597.5	3252.8	2887.3	2675.4	2632.1
57.5°	4388.3	4272.0	4319.7	4304.8	4054.1	3666.2	3321.5	2988.7	2644.0	2448.6	2406.8
60°	4013.8	3901.9	3951.1	3937.7	3702.0	3349.8	3036.5	2727.6	2402.3	2224.8	2183.0
62.5°	3628.8	3525.9	3570.7	3560.2	3343.9	3026.0	2753.0	2469.5	2159.1	1999.4	1960.7
65°	3240.9	3142.4	3182.7	3175.2	2975.3	2733.6	2462.0	2202.4	1914.4	1775.6	1736.8
67.5°	2844.0	2753.0	2790.3	2790.3	2606.7	2375.5	2169.6	1932.3	1674.2	1554.8	1519.0
70°	2450.1	2365.0	2397.8	2394.9	2239.7	2051.7	1874.1	1662.2	1430.9	1332.5	1302.6
72.5°	2053.2	1978.6	2008.4	2005.4	1875.6	1754.7	1578.7	1395.1	1193.7	1114.6	1087.8
75°	1668.2	1598.1	1626.4	1623.4	1517.5	1404.1	1286.2	1134.0	960.9	905.7	878.9
77.5°	1301.1	1229.5	1253.4	1253.4	1175.8	1093.7	999.7	881.8	759.5	699.8	680.4
80°	949.0	914.7	902.7	904.2	852.0	798.3	750.5	637.1	547.6	507.3	493.9
82.5°	623.7	595.4	583.4	586.4	556.6	523.7	493.9	414.8	355.1	331.3	323.8
85°	331.3	310.4	299.9	307.4	301.4	283.5	268.6	214.9	177.6	168.6	164.1
87.5°	104.4	91.0	83.6	110.4	94.0	83.6	80.6	64.2	49.2	49.2	47.7
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°	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7
2.5°	6387.8	6387.8	6329.6	6316.2	6310.2	6317.7	6259.5	6249.0	6332.6	6304.2	6240.1
5°	6337.1	6334.1	6252.0	6237.1	6237.1	6228.1	6162.5	6147.6	6231.1	6207.2	6137.1
7.5°	6274.4	6265.4	6168.4	6158.0	6143.1	6137.1	6064.0	6053.6	6125.2	6110.3	6044.6
10°	6198.3	6189.3	6074.4	6067.0	6050.6	6038.6	5970.0	5962.5	6035.6	6011.8	5959.5
12.5°	6098.3	6081.9	5964.0	5956.6	5943.1	5938.7	5871.5	5868.5	5949.1	5925.2	5870.0
15°	5967.0	5953.6	5822.3	5825.3	5826.7	5826.7	5773.0	5770.0	5849.1	5838.7	5779.0
17.5°	5822.3	5804.4	5679.0	5688.0	5698.4	5710.4	5668.6	5676.0	5759.6	5746.2	5692.5
20°	5658.1	5640.2	5517.9	5543.2	5565.6	5589.5	5562.6	5583.5	5661.1	5655.2	5614.9
22.5°	5474.6	5456.7	5343.3	5382.1	5419.4	5464.2	5452.2	5476.1	5558.2	5556.7	5520.9
25°	5250.8	5255.3	5155.3	5203.0	5265.7	5328.4	5332.9	5371.7	5462.7	5453.7	5420.9
27.5°	5041.9	5047.9	4941.9	5022.5	5106.1	5186.6	5206.0	5259.7	5352.3	5344.8	5316.4
30°	4822.5	4830.0	4727.1	4837.5	4938.9	5037.4	5079.2	5152.3	5246.3	5246.3	5216.5
32.5°	4594.3	4607.7	4500.3	4648.0	4765.8	4880.7	4953.9	5030.0	5137.4	5134.4	5109.0
35°	4360.0	4374.9	4276.4	4464.4	4582.3	4722.6	4813.6	4915.1	5010.6	5012.0	4992.7
37.5°	4121.3	4139.2	4049.6	4255.5	4389.8	4555.5	4671.8	4773.3	4879.3	4885.2	4867.3
40°	3884.0	3903.4	3825.8	4024.3	4194.4	4379.4	4513.7	4633.0	4749.4	4752.4	4740.5
42.5°	3646.8	3667.6	3609.5	3803.4	3995.9	4194.4	4352.5	4488.3	4607.7	4615.1	4601.7
45°	3415.5	3433.4	3391.6	3603.5	3788.5	4004.9	4186.9	4340.6	4461.5	4471.9	4467.4
47.5°	3185.7	3202.1	3164.8	3358.8	3572.1	3801.9	4012.3	4182.4	4310.8	4322.7	4319.7
50°	2960.4	2973.8	2933.5	3136.4	3348.3	3593.0	3812.4	4009.3	4152.6	4164.5	4163.0
52.5°	2736.6	2750.0	2715.7	2929.0	3121.5	3379.7	3618.4	3831.8	3973.5	3991.4	3994.4
55°	2520.2	2526.2	2499.3	2703.7	2890.2	3160.3	3434.9	3642.3	3784.0	3799.0	3807.9
57.5°	2303.8	2305.3	2283.0	2478.4	2657.5	2933.5	3221.5	3439.3	3573.6	3588.6	3602.0
60°	2089.0	2087.5	2062.1	2251.6	2423.2	2696.3	2996.2	3212.5	3342.4	3355.8	3373.7
62.5°	1875.6	1871.1	1848.7	2023.3	2184.5	2454.5	2756.0	2964.9	3088.7	3097.7	3121.5
65°	1663.7	1659.2	1638.4	1799.5	1945.7	2203.9	2499.3	2697.8	2809.7	2821.6	2817.1
67.5°	1454.8	1445.9	1429.5	1574.2	1707.0	1945.7	2229.2	2418.7	2511.2	2521.7	2550.0
70°	1245.9	1235.5	1198.2	1351.9	1468.3	1681.6	1945.7	2114.3	2191.9	2202.4	2197.9
72.5°	1040.0	1029.6	989.3	1131.0	1229.5	1416.0	1651.8	1792.0	1859.2	1868.1	1868.1
75°	840.1	834.1	808.7	916.2	998.2	1150.4	1350.4	1466.8	1519.0	1529.4	1526.4
77.5°	647.6	643.1	617.7	710.3	774.4	887.8	1049.0	1140.0	1178.8	1190.7	1216.1
80°	464.1	462.6	422.3	513.3	541.6	637.1	755.0	825.1	846.0	862.4	880.4
82.5°	296.9	298.4	258.1	335.7	347.7	408.8	482.0	525.2	540.1	553.6	567.0
85°	144.7	150.7	128.3	177.6	179.1	210.4	241.7	258.1	264.1	274.6	286.5
87.5°	37.3	43.3	23.9	50.7	44.8	58.2	67.1	71.6	70.1	77.6	82.1
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°	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7
2.5°	6261.0	6308.7	6284.8	6362.4	6392.3	6344.5	6428.1	6429.6	6369.9	6440.0	6478.8
5°	6164.0	6213.2	6198.3	6278.9	6316.2	6274.4	6375.9	6395.2	6337.1	6416.1	6478.8
7.5°	6065.5	6123.7	6104.3	6186.4	6231.1	6198.3	6307.2	6338.5	6293.8	6380.3	6463.9
10°	5980.4	6029.7	6008.8	6095.3	6134.1	6107.3	6214.7	6272.9	6231.1	6337.1	6437.0
12.5°	5896.9	5937.2	5913.3	5984.9	6022.2	5987.9	6119.2	6172.9	6143.1	6253.5	6381.8
15°	5789.4	5834.2	5801.4	5865.5	5893.9	5864.1	5971.5	6064.0	6026.7	6147.6	6289.3
17.5°	5707.4	5732.7	5688.0	5738.7	5755.1	5714.8	5823.8	5914.8	5887.9	6019.2	6183.4
20°	5616.4	5637.2	5574.6	5602.9	5601.4	5550.7	5650.7	5740.2	5722.3	5867.0	6053.6
22.5°	5514.9	5525.3	5452.2	5458.2	5455.2	5371.7	5461.2	5552.2	5544.7	5691.0	5899.9
25°	5407.5	5409.0	5315.0	5312.0	5279.1	5180.7	5259.7	5362.7	5340.3	5498.5	5717.8
27.5°	5301.5	5286.6	5173.2	5146.3	5094.1	4976.2	5046.4	5138.9	5125.5	5280.6	5523.8
30°	5188.1	5168.7	5030.0	4980.7	4904.6	4768.8	4827.0	4913.6	4921.0	5056.8	5312.0
32.5°	5080.7	5031.4	4877.8	4806.1	4710.6	4552.5	4583.8	4671.8	4683.8	4821.1	5083.7
35°	4941.9	4909.1	4719.6	4597.2	4503.2	4330.1	4363.0	4424.2	4442.1	4576.3	4843.4
37.5°	4810.6	4758.4	4557.0	4407.7	4286.9	4104.8	4113.8	4176.5	4194.4	4330.1	4594.3
40°	4674.8	4600.2	4383.9	4209.3	4070.5	3879.5	3869.1	3934.7	3948.2	4081.0	4319.7
42.5°	4530.1	4440.6	4197.3	4006.4	3846.7	3652.7	3631.8	3688.5	3703.5	3833.3	4067.5
45°	4383.9	4276.4	4006.4	3797.5	3622.9	3424.4	3403.5	3446.8	3469.2	3591.5	3816.9
47.5°	4228.7	4103.3	3809.4	3576.6	3396.1	3197.6	3172.3	3215.5	3233.4	3354.3	3567.7
50°	4066.0	3913.8	3606.5	3349.8	3170.8	2975.3	2938.0	2988.7	3005.1	3118.5	3327.4
52.5°	3887.0	3718.4	3390.1	3121.5	2942.5	2756.0	2711.2	2760.4	2779.8	2890.2	3082.7
55°	3697.5	3515.4	3172.3	2911.1	2717.2	2535.1	2497.8	2517.2	2559.0	2663.4	2842.5
57.5°	3484.1	3303.6	2942.5	2676.9	2490.4	2315.8	2284.4	2302.3	2341.1	2442.6	2603.8
60°	3257.3	3066.3	2708.2	2442.6	2262.1	2096.4	2068.1	2084.5	2126.3	2218.8	2368.0
62.5°	3033.5	2818.6	2466.5	2202.4	2038.2	1884.6	1877.1	1871.1	1909.9	1999.4	2130.8
65°	2761.9	2556.0	2214.3	1963.6	1814.4	1675.7	1645.8	1659.2	1696.5	1778.6	1915.9
67.5°	2471.0	2284.4	1956.2	1724.9	1592.1	1468.3	1442.9	1448.9	1487.6	1559.3	1678.6
70°	2162.1	1998.0	1692.1	1484.7	1372.8	1256.4	1240.0	1241.4	1278.8	1341.4	1445.9
72.5°	1838.3	1690.6	1425.0	1247.4	1154.9	1071.3	1056.4	1038.5	1072.8	1126.6	1216.1
75°	1508.5	1378.7	1159.4	1014.6	941.5	871.4	858.0	840.1	874.4	920.6	990.8
77.5°	1175.8	1071.3	901.2	789.3	732.6	680.4	668.5	649.1	683.4	717.7	772.9
80°	850.5	774.4	672.9	555.1	535.7	501.4	489.4	468.5	501.4	523.7	565.5
82.5°	549.1	498.4	440.2	358.1	355.1	329.8	323.8	299.9	329.8	343.2	374.5
85°	277.5	253.7	238.7	182.0	188.0	171.6	170.1	144.7	168.6	174.6	192.5
87.5°	79.1	83.6	74.6	44.8	56.7	53.7	53.7	38.8	53.7	53.7	61.2
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: P838102

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-4HI-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7	6396.7
2.5°	6402.7	6428.1	6434.0	6432.6	6449.0	6538.5	6508.7	6538.5
5°	6417.6	6474.3	6489.3	6510.1	6537.0	6638.5	6605.6	6641.5
7.5°	6426.6	6511.6	6544.5	6584.7	6628.0	6741.4	6714.6	6750.4
10°	6426.6	6537.0	6584.7	6651.9	6710.1	6841.4	6816.0	6857.8
12.5°	6399.7	6541.5	6608.6	6702.6	6777.2	6919.0	6908.5	6938.4
15°	6344.5	6519.1	6611.6	6732.5	6825.0	6983.1	6978.7	7014.5
17.5°	6269.9	6480.3	6592.2	6744.4	6860.8	7038.4	7048.8	7068.2
20°	6175.9	6407.2	6553.4	6739.9	6886.2	7081.6	7095.1	7121.9
22.5°	6052.1	6319.2	6495.2	6720.5	6889.1	7099.5	7123.4	7148.8
25°	5905.8	6213.2	6419.1	6683.2	6874.2	7098.0	7130.9	7153.2
27.5°	5738.7	6075.9	6322.1	6623.5	6832.4	7074.2	7114.5	7141.3
30°	5544.7	5929.7	6211.7	6546.0	6775.7	7029.4	7072.7	7099.5
32.5°	5344.8	5768.6	6080.4	6446.0	6693.7	6957.8	6995.1	7016.0
35°	5126.9	5573.1	5922.2	6317.7	6587.7	6842.9	6871.2	6893.6
37.5°	4889.7	5361.2	5741.7	6172.9	6438.5	6683.2	6708.6	6734.0
40°	4645.0	5138.9	5538.8	5995.4	6261.0	6487.8	6514.6	6532.5
42.5°	4398.8	4892.7	5322.4	5786.5	6050.6	6268.4	6284.8	6302.7
45°	4149.6	4637.5	5079.2	5555.2	5816.3	6020.7	6026.7	6041.6
47.5°	3895.9	4373.4	4812.1	5291.1	5549.2	5735.7	5741.7	5753.6
50°	3640.8	4109.3	4527.1	5006.1	5258.3	5455.2	5428.4	5440.3
52.5°	3390.1	3831.8	4258.5	4698.7	4947.9	5122.5	5129.9	5106.1
55°	3143.9	3560.2	3952.6	4376.4	4613.7	4749.4	4745.0	4753.9
57.5°	2894.7	3285.7	3645.3	4033.2	4264.5	4392.8	4419.7	4388.3
60°	2641.1	3008.1	3330.4	3681.1	3904.9	4012.3	4043.7	4013.8
62.5°	2388.9	2726.1	3018.6	3324.5	3531.9	3664.7	3661.7	3628.8
65°	2136.7	2442.6	2703.7	2963.4	3143.9	3276.7	3270.7	3240.9
67.5°	1904.0	2156.1	2390.4	2600.8	2757.4	2848.5	2879.8	2844.0
70°	1647.3	1865.2	2071.1	2239.7	2369.5	2451.6	2481.4	2450.1
72.5°	1390.7	1575.7	1720.4	1883.1	1983.0	2051.7	2083.0	2053.2
75°	1137.0	1289.2	1407.1	1533.9	1604.0	1662.2	1698.0	1668.2
77.5°	890.8	1008.7	1102.7	1195.2	1275.8	1289.2	1320.5	1301.1
80°	656.5	741.6	810.2	871.4	929.6	935.6	960.9	949.0
82.5°	437.2	493.9	511.8	576.0	613.3	607.3	632.7	623.7
85°	231.3	265.6	296.9	316.3	337.2	317.8	340.2	331.3
87.5°	77.6	82.1	71.6	101.5	111.9	95.5	108.9	104.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)