

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: P838141

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5HI-50-120-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: P838141
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-LD4-5HI-50-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

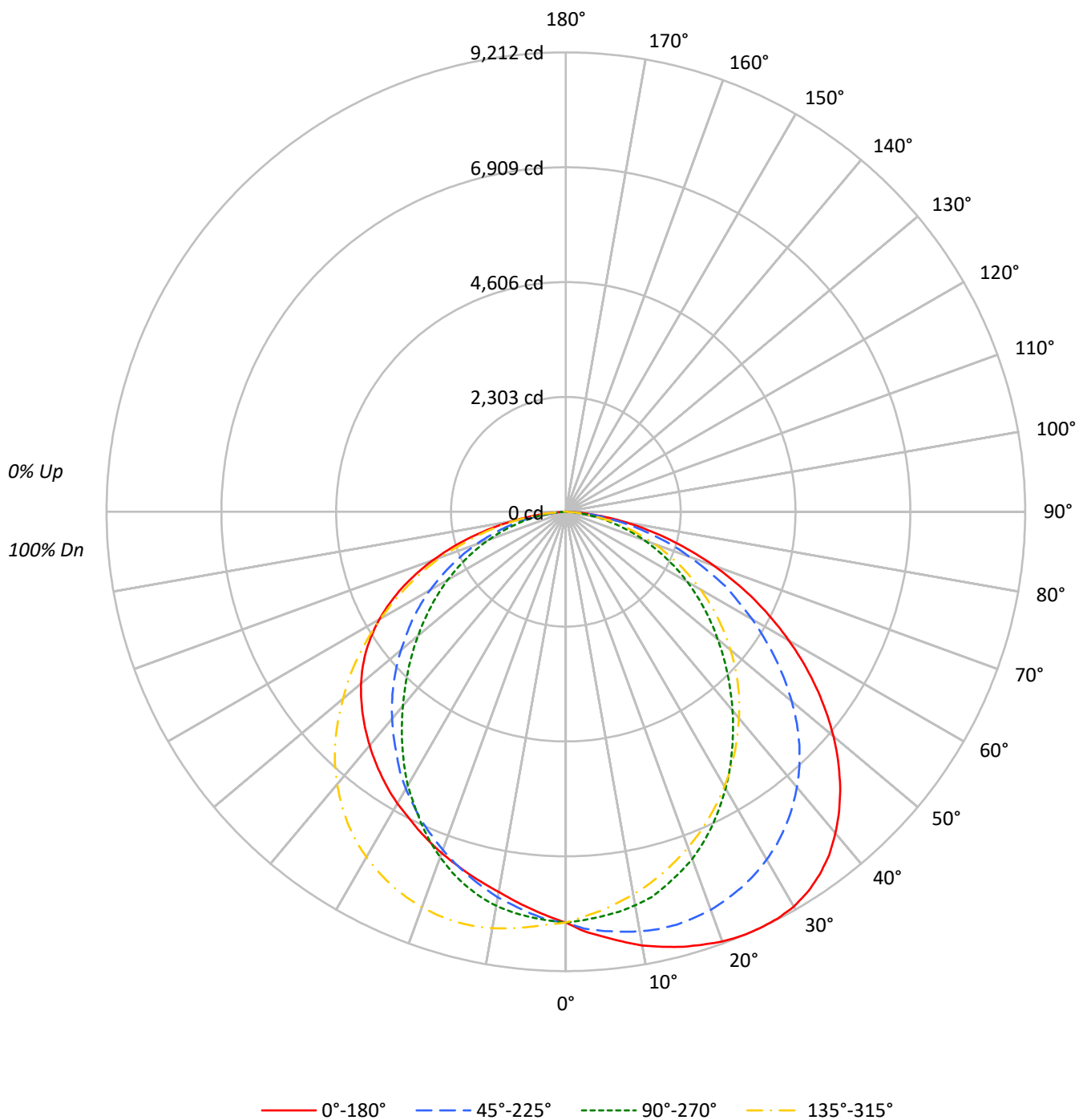
Lumens per Lamp: N/A
Luminaire Lumens: 24169.4 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 220
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11084	11084	11084	11084
5°	11552	11005	10797	11023
10°	12067	10948	10578	10964
15°	12583	10809	10474	10811
20°	13133	10613	10428	10552
25°	13676	10316	10427	10210
30°	14205	9957	10497	9846
35°	14582	9548	10602	9396
40°	14777	9137	10750	8931
45°	14805	8721	10959	8501
50°	14666	8322	11227	8101
55°	14362	7952	11477	7731
60°	13910	7565	11630	7369
65°	13288	7121	11569	6956
70°	12413	6600	11158	6478
75°	11169	5884	10240	5854
80°	9470	4929	8606	5003
85°	6586	3264	5459	3352

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.1	3.2
10°-20°	2264.9	9.4
20°-30°	3471.1	14.4
30°-40°	4220.6	17.5
40°-50°	4387.6	18.2
50°-60°	3963.3	16.4
60°-70°	3013.1	12.5
70°-80°	1679.8	7.0
80°-90°	386.8	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°	6518.2	27.0
0°-40°	10738.8	44.4
0°-60°	19089.7	79.0
0°-90°	24169.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24169.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8238	8238	8238	8238	8238	
5°	8553	8148	7994	8161	8553	825
15°	9034	7760	7519	7762	9034	2561
25°	9212	6949	7024	6878	9212	4255
35°	8878	5813	6455	5721	8878	5545
45°	7781	4583	5759	4468	7781	5990
55°	6122	3390	4892	3296	6122	5465
65°	4174	2237	3634	2185	4174	4125
75°	2148	1132	1970	1126	2148	2282
85°	427	211	354	217	427	537
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°	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1
2.5°	8420.6	8297.6	8299.6	8407.2	8324.5	8364.9	8249.6	8293.8	8280.3	8290.0	8195.8
5°	8553.2	8420.6	8418.7	8510.9	8418.7	8436.0	8290.0	8318.8	8276.5	8249.6	8147.8
7.5°	8693.5	8560.9	8547.5	8628.2	8507.1	8493.6	8332.2	8332.2	8255.4	8188.1	8092.0
10°	8831.9	8695.4	8678.1	8739.6	8589.7	8545.5	8349.5	8318.8	8216.9	8117.0	8013.2
12.5°	8935.6	8797.3	8783.8	8822.2	8653.1	8572.4	8349.5	8290.0	8140.1	7999.8	7919.1
15°	9033.6	8891.4	8854.9	8874.1	8680.0	8572.4	8322.6	8230.4	8038.2	7853.7	7759.6
17.5°	9102.8	8966.4	8929.9	8927.9	8693.5	8539.8	8265.0	8138.1	7907.5	7684.6	7590.5
20°	9172.0	9035.5	8989.4	8954.8	8689.7	8495.6	8180.4	8009.4	7740.4	7490.6	7411.8
22.5°	9206.6	9066.3	9016.3	8964.4	8664.7	8414.9	8076.7	7859.5	7552.0	7254.2	7188.9
25°	9212.3	9068.2	9014.4	8939.5	8614.7	8318.8	7942.1	7678.9	7334.9	7004.4	6948.6
27.5°	9197.0	9039.4	8985.6	8895.3	8539.8	8201.6	7782.6	7473.3	7104.3	6739.2	6679.6
30°	9143.2	8983.7	8931.8	8814.6	8434.1	8057.4	7607.8	7244.6	6848.7	6460.6	6408.7
32.5°	9035.5	8879.9	8837.6	8720.4	8318.8	7890.3	7404.1	6998.6	6566.2	6195.4	6118.5
35°	8878.0	8722.3	8695.4	8572.4	8157.4	7690.4	7181.2	6729.6	6266.5	5887.9	5813.0
37.5°	8672.4	8541.7	8501.3	8380.3	7967.1	7463.6	6925.6	6437.5	5960.9	5553.5	5507.4
40°	8412.9	8290.0	8259.2	8151.6	7746.1	7211.9	6648.9	6135.8	5645.8	5267.2	5201.9
42.5°	8117.0	8001.7	7984.4	7873.0	7473.3	6933.3	6349.1	5822.6	5317.2	4952.1	4886.7
45°	7780.7	7669.3	7665.4	7559.7	7175.4	6623.9	6033.9	5505.5	4996.3	4617.7	4583.1
47.5°	7409.8	7309.9	7309.9	7211.9	6843.0	6283.8	5709.2	5175.0	4673.4	4339.1	4277.6
50°	7006.3	6912.1	6883.3	6835.3	6475.9	5912.9	5367.1	4852.1	4354.4	4035.4	3975.9
52.5°	6575.8	6495.1	6514.4	6426.0	6078.1	5526.6	5021.2	4488.9	4033.5	3743.4	3683.8
55°	6122.3	6007.0	6024.3	5991.7	5663.1	5128.9	4633.1	4189.2	3718.4	3445.5	3389.8
57.5°	5651.5	5501.7	5563.1	5543.9	5221.1	4721.5	4277.6	3849.0	3405.1	3153.4	3099.6
60°	5169.2	5025.1	5088.5	5071.2	4767.6	4314.1	3910.5	3512.8	3093.8	2865.2	2811.4
62.5°	4673.4	4540.8	4598.5	4585.0	4306.4	3897.1	3545.4	3180.3	2780.6	2575.0	2525.0
65°	4173.8	4047.0	4098.9	4089.2	3831.7	3520.4	3170.7	2836.3	2465.5	2286.8	2236.8
67.5°	3662.6	3545.4	3593.5	3593.5	3357.1	3059.2	2794.1	2488.5	2156.1	2002.3	1956.2
70°	3155.3	3045.8	3088.1	3084.2	2884.4	2642.3	2413.6	2140.7	1842.9	1716.0	1677.6
72.5°	2644.2	2548.1	2586.5	2582.7	2415.5	2259.8	2033.1	1796.7	1537.3	1435.5	1400.9
75°	2148.4	2058.1	2094.6	2090.7	1954.3	1808.3	1656.5	1460.4	1237.5	1166.4	1131.8
77.5°	1675.7	1583.4	1614.2	1614.2	1514.3	1408.6	1287.5	1135.7	978.1	901.2	876.3
80°	1222.2	1178.0	1162.6	1164.5	1097.3	1028.1	966.6	820.5	705.2	653.4	636.1
82.5°	803.2	766.7	751.4	755.2	716.8	674.5	636.1	534.2	457.4	426.6	417.0
85°	426.6	399.7	386.2	395.9	388.2	365.1	345.9	276.7	228.7	217.1	211.4
87.5°	134.5	117.2	107.6	142.2	121.1	107.6	103.8	82.6	63.4	63.4	61.5
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°	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1
2.5°	8226.5	8226.5	8151.6	8134.3	8126.6	8136.2	8061.3	8047.8	8155.4	8118.9	8036.3
5°	8161.2	8157.4	8051.7	8032.5	8032.5	8020.9	7936.4	7917.2	8024.8	7994.0	7903.7
7.5°	8080.5	8069.0	7944.1	7930.6	7911.4	7903.7	7809.5	7796.1	7888.3	7869.1	7784.6
10°	7982.5	7971.0	7823.0	7813.4	7792.2	7776.9	7688.5	7678.9	7773.0	7742.3	7675.0
12.5°	7853.7	7832.6	7680.8	7671.2	7653.9	7648.1	7561.7	7557.8	7661.6	7630.8	7559.7
15°	7684.6	7667.3	7498.2	7502.1	7504.0	7504.0	7434.8	7431.0	7532.8	7519.4	7442.5
17.5°	7498.2	7475.2	7313.8	7325.3	7338.7	7354.1	7300.3	7309.9	7417.5	7400.2	7331.1
20°	7286.9	7263.8	7106.2	7138.9	7167.7	7198.5	7163.9	7190.8	7290.7	7283.0	7231.1
22.5°	7050.5	7027.4	6881.4	6931.4	6979.4	7037.0	7021.7	7052.4	7158.1	7156.2	7110.1
25°	6762.2	6768.0	6639.3	6700.8	6781.5	6862.2	6867.9	6917.9	7035.1	7023.6	6981.3
27.5°	6493.2	6500.9	6364.5	6468.2	6575.8	6679.6	6704.6	6773.8	6892.9	6883.3	6846.8
30°	6210.7	6220.3	6087.8	6230.0	6360.6	6487.5	6541.3	6635.4	6756.5	6756.5	6718.1
32.5°	5916.7	5934.0	5795.7	5985.9	6137.7	6285.7	6379.8	6477.8	6616.2	6612.4	6579.7
35°	5615.0	5634.2	5507.4	5749.5	5901.4	6082.0	6199.2	6329.9	6452.9	6454.8	6429.8
37.5°	5307.6	5330.6	5215.3	5480.5	5653.5	5866.8	6016.7	6147.3	6283.8	6291.4	6268.4
40°	5002.0	5027.0	4927.1	5182.7	5401.7	5640.0	5813.0	5966.7	6116.6	6120.4	6105.0
42.5°	4696.5	4723.4	4648.4	4898.3	5146.2	5401.7	5605.4	5780.3	5934.0	5943.6	5926.3
45°	4398.6	4421.7	4367.9	4640.8	4879.0	5157.7	5392.1	5590.0	5745.7	5759.2	5753.4
47.5°	4102.7	4123.8	4075.8	4325.6	4600.4	4896.3	5167.3	5386.4	5551.6	5567.0	5563.1
50°	3812.5	3829.8	3777.9	4039.3	4312.2	4627.3	4909.8	5163.4	5347.9	5363.3	5361.4
52.5°	3524.3	3541.6	3497.4	3772.2	4020.1	4352.5	4660.0	4934.8	5117.3	5140.4	5144.2
55°	3245.6	3253.3	3218.7	3482.0	3722.2	4070.0	4423.6	4690.7	4873.3	4892.5	4904.0
57.5°	2967.0	2968.9	2940.1	3191.8	3422.4	3777.9	4148.8	4429.4	4602.3	4621.5	4638.8
60°	2690.3	2688.4	2655.7	2899.8	3120.7	3472.4	3858.7	4137.3	4304.5	4321.8	4344.8
62.5°	2415.5	2409.7	2380.9	2605.7	2813.3	3161.1	3549.3	3818.3	3977.8	3989.3	4020.1
65°	2142.6	2136.9	2110.0	2317.5	2505.8	2838.3	3218.7	3474.3	3618.4	3633.8	3628.1
67.5°	1873.6	1862.1	1840.9	2027.3	2198.4	2505.8	2870.9	3115.0	3234.1	3247.6	3284.1
70°	1604.6	1591.1	1543.1	1741.0	1890.9	2165.7	2505.8	2723.0	2822.9	2836.3	2830.6
72.5°	1339.4	1325.9	1274.0	1456.6	1583.4	1823.6	2127.3	2307.9	2394.4	2405.9	2405.9
75°	1081.9	1074.2	1041.5	1179.9	1285.6	1481.6	1739.1	1889.0	1956.2	1969.7	1965.8
77.5°	834.0	828.2	795.6	914.7	997.3	1143.4	1350.9	1468.1	1518.1	1533.5	1566.1
80°	597.6	595.7	543.8	661.0	697.6	820.5	972.3	1062.7	1089.6	1110.7	1133.8
82.5°	382.4	384.3	332.4	432.4	447.7	526.5	620.7	676.4	695.6	712.9	730.2
85°	186.4	194.1	165.3	228.7	230.6	271.0	311.3	332.4	340.1	353.6	369.0
87.5°	48.0	55.7	30.7	65.3	57.6	74.9	86.5	92.2	90.3	99.9	105.7
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1
2.5°	8063.2	8124.7	8093.9	8193.9	8232.3	8170.8	8278.4	8280.3	8203.5	8293.8	8343.8
5°	7938.3	8001.7	7982.5	8086.3	8134.3	8080.5	8211.2	8236.1	8161.2	8263.0	8343.8
7.5°	7811.5	7886.4	7861.4	7967.1	8024.8	7982.5	8122.8	8163.1	8105.5	8216.9	8324.5
10°	7701.9	7765.3	7738.4	7849.9	7899.9	7865.3	8003.6	8078.6	8024.8	8161.2	8290.0
12.5°	7594.3	7646.2	7615.5	7707.7	7755.7	7711.5	7880.6	7949.8	7911.4	8053.6	8218.9
15°	7456.0	7513.6	7471.3	7554.0	7590.5	7552.0	7690.4	7809.5	7761.5	7917.2	8099.7
17.5°	7350.3	7382.9	7325.3	7390.6	7411.8	7359.9	7500.2	7617.4	7582.8	7751.9	7963.3
20°	7233.1	7260.0	7179.2	7215.8	7213.8	7148.5	7277.2	7392.5	7369.5	7555.9	7796.1
22.5°	7102.4	7115.8	7021.7	7029.4	7025.5	6917.9	7033.2	7150.4	7140.8	7329.1	7598.2
25°	6964.0	6965.9	6844.9	6841.0	6798.8	6671.9	6773.8	6906.4	6877.5	7081.2	7363.7
27.5°	6827.6	6808.4	6662.3	6627.7	6560.5	6408.7	6499.0	6618.1	6600.8	6800.7	7113.9
30°	6681.5	6656.6	6477.8	6414.4	6316.4	6141.6	6216.5	6328.0	6337.6	6512.4	6841.0
32.5°	6543.2	6479.8	6281.8	6189.6	6066.6	5862.9	5903.3	6016.7	6032.0	6208.8	6547.0
35°	6364.5	6322.2	6078.1	5920.6	5799.5	5576.6	5618.9	5697.7	5720.7	5893.7	6237.6
37.5°	6195.4	6128.1	5868.7	5676.5	5520.9	5286.4	5298.0	5378.7	5401.7	5576.6	5916.7
40°	6020.5	5924.4	5645.8	5420.9	5242.2	4996.3	4982.8	5067.4	5084.7	5255.7	5563.1
42.5°	5834.1	5718.8	5405.6	5159.6	4954.0	4704.2	4677.3	4750.3	4769.5	4936.7	5238.4
45°	5645.8	5507.4	5159.6	4890.6	4665.7	4410.2	4383.3	4439.0	4467.8	4625.4	4915.6
47.5°	5445.9	5284.5	4905.9	4606.2	4373.7	4118.1	4085.4	4141.1	4164.2	4319.8	4594.6
50°	5236.5	5040.5	4644.6	4314.1	4083.5	3831.7	3783.7	3849.0	3870.2	4016.2	4285.3
52.5°	5005.9	4788.7	4366.0	4020.1	3789.5	3549.3	3491.6	3555.0	3580.0	3722.2	3970.1
55°	4761.8	4527.4	4085.4	3749.1	3499.3	3264.9	3216.8	3241.8	3295.6	3430.1	3660.7
57.5°	4487.0	4254.5	3789.5	3447.4	3207.2	2982.4	2942.0	2965.1	3015.1	3145.7	3353.3
60°	4194.9	3949.0	3487.8	3145.7	2913.2	2699.9	2663.4	2684.5	2738.3	2857.5	3049.6
62.5°	3906.7	3630.0	3176.5	2836.3	2625.0	2427.0	2417.4	2409.7	2459.7	2575.0	2744.1
65°	3557.0	3291.8	2851.7	2528.9	2336.7	2158.0	2119.6	2136.9	2184.9	2290.6	2467.4
67.5°	3182.2	2942.0	2519.3	2221.4	2050.4	1890.9	1858.2	1865.9	1915.9	2008.1	2161.8
70°	2784.5	2573.1	2179.1	1912.0	1767.9	1618.0	1596.9	1598.8	1646.8	1727.6	1862.1
72.5°	2367.5	2177.2	1835.2	1606.5	1487.3	1379.7	1360.5	1337.5	1381.7	1450.8	1566.1
75°	1942.8	1775.6	1493.1	1306.7	1212.6	1122.2	1104.9	1081.9	1126.1	1185.7	1276.0
77.5°	1514.3	1379.7	1160.7	1016.5	943.5	876.3	860.9	835.9	880.1	924.3	995.4
80°	1095.3	997.3	866.7	714.8	689.9	645.7	630.3	603.4	645.7	674.5	728.3
82.5°	707.2	641.8	566.9	461.2	457.4	424.7	417.0	386.2	424.7	442.0	482.3
85°	357.4	326.7	307.5	234.4	242.1	221.0	219.1	186.4	217.1	224.8	247.9
87.5°	101.8	107.6	96.1	57.6	73.0	69.2	69.2	50.0	69.2	69.2	78.8
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: P838141

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5HI-50-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1
2.5°	8245.8	8278.4	8286.1	8284.2	8305.3	8420.6	8382.2	8420.6
5°	8265.0	8338.0	8357.2	8384.1	8418.7	8549.4	8507.1	8553.2
7.5°	8276.5	8386.0	8428.3	8480.2	8535.9	8682.0	8647.4	8693.5
10°	8276.5	8418.7	8480.2	8566.7	8641.6	8810.7	8778.0	8831.9
12.5°	8241.9	8424.5	8510.9	8632.0	8728.1	8910.6	8897.2	8935.6
15°	8170.8	8395.6	8514.8	8670.4	8789.6	8993.3	8987.5	9033.6
17.5°	8074.7	8345.7	8489.8	8685.8	8835.7	9064.4	9077.8	9102.8
20°	7953.7	8251.5	8439.8	8680.0	8868.4	9120.1	9137.4	9172.0
22.5°	7794.2	8138.1	8364.9	8655.1	8872.2	9143.2	9173.9	9206.6
25°	7605.8	8001.7	8266.9	8607.0	8853.0	9141.2	9183.5	9212.3
27.5°	7390.6	7824.9	8142.0	8530.2	8799.2	9110.5	9162.4	9197.0
30°	7140.8	7636.6	7999.8	8430.2	8726.2	9052.8	9108.6	9143.2
32.5°	6883.3	7429.1	7830.7	8301.5	8620.5	8960.6	9008.6	9035.5
35°	6602.8	7177.3	7627.0	8136.2	8484.0	8812.6	8849.1	8878.0
37.5°	6297.2	6904.5	7394.5	7949.8	8291.9	8607.0	8639.7	8672.4
40°	5982.1	6618.1	7133.1	7721.1	8063.2	8355.3	8389.9	8412.9
42.5°	5665.0	6301.1	6854.5	7452.1	7792.2	8072.8	8093.9	8117.0
45°	5344.1	5972.5	6541.3	7154.3	7490.6	7753.8	7761.5	7780.7
47.5°	5017.4	5632.3	6197.3	6814.1	7146.6	7386.8	7394.5	7409.8
50°	4688.8	5292.2	5830.3	6447.1	6771.9	7025.5	6990.9	7006.3
52.5°	4366.0	4934.8	5484.4	6051.2	6372.2	6597.0	6606.6	6575.8
55°	4048.9	4585.0	5090.4	5636.2	5941.7	6116.6	6110.8	6122.3
57.5°	3728.0	4231.4	4694.6	5194.2	5492.0	5657.3	5691.9	5651.5
60°	3401.3	3874.0	4289.1	4740.7	5028.9	5167.3	5207.6	5169.2
62.5°	3076.5	3510.8	3887.5	4281.4	4548.5	4719.5	4715.7	4673.4
65°	2751.8	3145.7	3482.0	3816.4	4048.9	4219.9	4212.2	4173.8
67.5°	2452.0	2776.8	3078.5	3349.4	3551.2	3668.4	3708.8	3662.6
70°	2121.5	2402.0	2667.2	2884.4	3051.6	3157.3	3195.7	3155.3
72.5°	1791.0	2029.3	2215.7	2425.1	2553.9	2642.3	2682.6	2644.2
75°	1464.3	1660.3	1812.1	1975.4	2065.8	2140.7	2186.8	2148.4
77.5°	1147.2	1299.0	1420.1	1539.2	1643.0	1660.3	1700.7	1675.7
80°	845.5	955.1	1043.5	1122.2	1197.2	1204.9	1237.5	1222.2
82.5°	563.0	636.1	659.1	741.8	789.8	782.1	814.8	803.2
85°	297.9	342.1	382.4	407.4	434.3	409.3	438.1	426.6
87.5°	99.9	105.7	92.2	130.7	144.1	123.0	140.3	134.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)