

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: P838234

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6HI-40-120-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: P838234
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-LD4-6HI-40-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

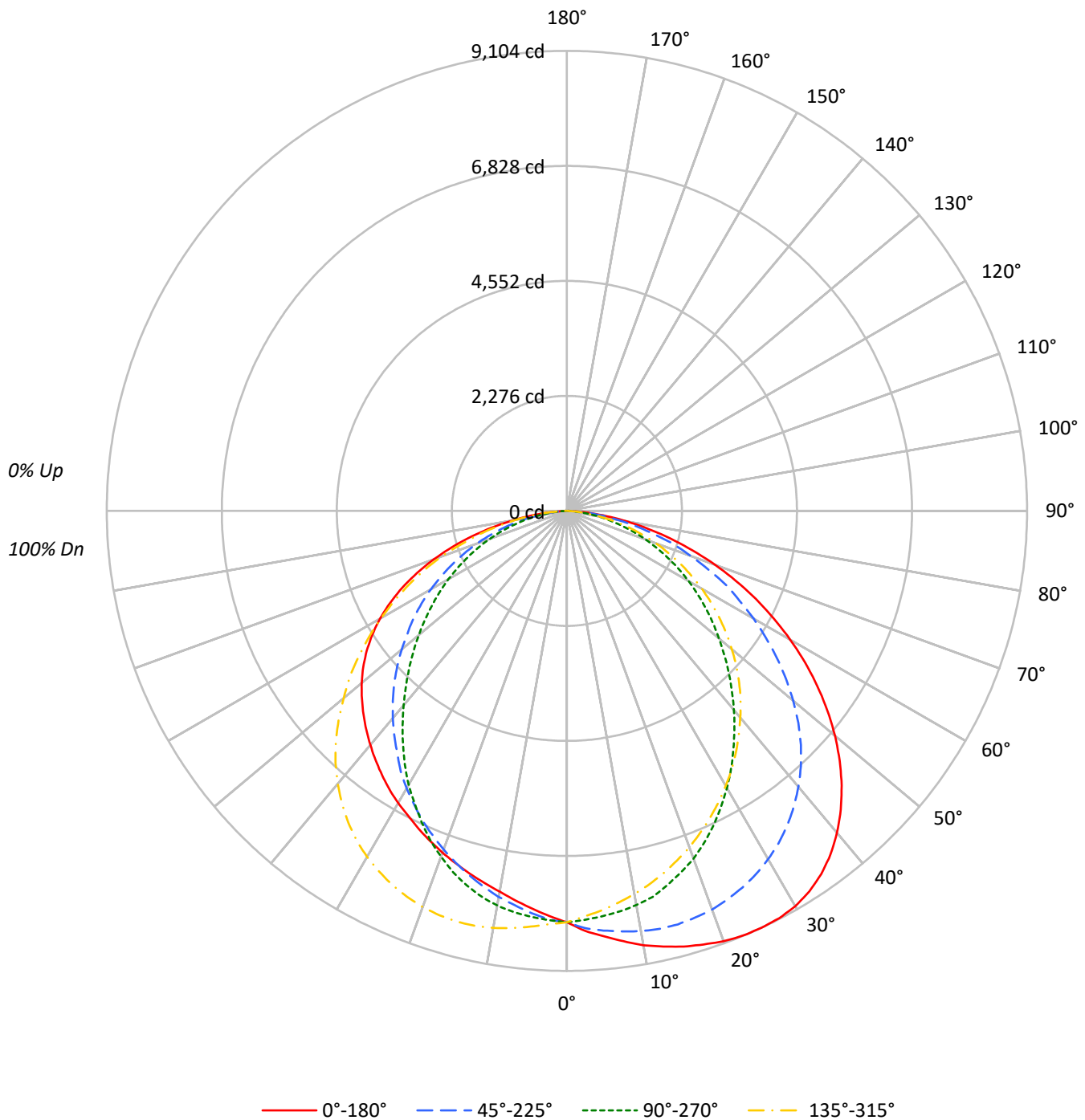
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23884.7 lumens
Efficiency: N/A
Efficacy: 90.5 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): 264
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°	10954	10954	10954	10954
5°	11416	10875	10670	10893
10°	11924	10819	10453	10835
15°	12435	10681	10351	10684
20°	12978	10488	10305	10428
25°	13515	10194	10304	10090
30°	14038	9839	10373	9730
35°	14411	9436	10477	9286
40°	14603	9029	10623	8826
45°	14631	8618	10829	8401
50°	14493	8224	11094	8006
55°	14192	7858	11342	7640
60°	13746	7476	11493	7282
65°	13131	7037	11433	6874
70°	12267	6522	11026	6402
75°	11037	5815	10119	5785
80°	9358	4871	8505	4944
85°	6509	3225	5394	3313

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.9	3.2
10°-20°	2238.2	9.4
20°-30°	3430.2	14.4
30°-40°	4170.9	17.5
40°-50°	4335.9	18.2
50°-60°	3916.6	16.4
60°-70°	2977.7	12.5
70°-80°	1660.0	7.0
80°-90°	382.2	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°	6441.4	27.0
0°-40°	10612.3	44.4
0°-60°	18864.8	79.0
0°-90°	23884.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23884.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8141	8141	8141	8141	8141	
5°	8452	8052	7900	8065	8452	815
15°	8927	7668	7431	7670	8927	2531
25°	9104	6867	6941	6796	9104	4205
35°	8773	5744	6379	5653	8773	5480
45°	7689	4529	5691	4415	7689	5920
55°	6050	3350	4835	3257	6050	5401
65°	4125	2210	3591	2159	4125	4076
75°	2123	1118	1946	1113	2123	2255
85°	422	209	349	215	422	531
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°	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0
2.5°	8321.4	8199.9	8201.8	8308.2	8226.5	8266.4	8152.4	8196.1	8182.8	8192.3	8099.3
5°	8452.5	8321.4	8319.6	8410.7	8319.6	8336.6	8192.3	8220.8	8179.0	8152.4	8051.8
7.5°	8591.1	8460.1	8446.8	8526.5	8406.9	8393.6	8234.1	8234.1	8158.1	8091.7	7996.7
10°	8727.8	8593.0	8575.9	8636.7	8488.6	8444.9	8251.2	8220.8	8120.2	8021.4	7918.9
12.5°	8830.4	8693.7	8680.4	8718.3	8551.2	8471.5	8251.2	8192.3	8044.2	7905.6	7825.8
15°	8927.2	8786.7	8750.6	8769.6	8577.8	8471.5	8224.6	8133.4	7943.5	7761.2	7668.2
17.5°	8995.6	8860.8	8824.7	8822.8	8591.1	8439.2	8167.6	8042.3	7814.4	7594.1	7501.1
20°	9064.0	8929.1	8883.6	8849.4	8587.3	8395.5	8084.1	7915.1	7649.2	7402.3	7324.5
22.5°	9098.1	8959.5	8910.1	8858.9	8562.6	8315.8	7981.5	7766.9	7463.1	7168.8	7104.2
25°	9103.8	8961.4	8908.2	8834.2	8513.2	8220.8	7848.6	7588.4	7248.5	6921.9	6866.8
27.5°	9088.6	8932.9	8879.8	8790.5	8439.2	8105.0	7691.0	7385.2	7020.6	6659.8	6600.9
30°	9035.5	8877.9	8826.6	8710.7	8334.7	7962.5	7518.2	7159.3	6768.1	6384.5	6333.2
32.5°	8929.1	8775.3	8733.5	8617.7	8220.8	7797.3	7316.9	6916.2	6488.9	6122.4	6046.4
35°	8773.4	8619.6	8593.0	8471.5	8061.3	7599.8	7096.6	6650.3	6192.7	5818.6	5744.5
37.5°	8570.2	8441.1	8401.2	8281.6	7873.3	7375.7	6844.0	6361.7	5890.7	5488.1	5442.6
40°	8313.9	8192.3	8161.9	8055.6	7654.9	7127.0	6570.6	6063.5	5579.3	5205.2	5140.6
42.5°	8021.4	7907.5	7890.4	7780.2	7385.2	6851.6	6274.3	5754.0	5254.6	4893.7	4829.2
45°	7689.1	7578.9	7575.1	7470.7	7090.9	6545.9	5962.9	5440.7	4937.4	4563.3	4529.1
47.5°	7322.6	7223.8	7223.8	7127.0	6762.4	6209.8	5642.0	5114.0	4618.4	4288.0	4227.2
50°	6923.8	6830.7	6802.2	6754.8	6399.7	5843.2	5303.9	4795.0	4303.2	3987.9	3929.0
52.5°	6498.4	6418.6	6437.6	6350.3	6006.6	5461.5	4962.1	4436.1	3986.0	3699.3	3640.4
55°	6050.2	5936.3	5953.4	5921.1	5596.4	5068.5	4578.5	4139.8	3674.6	3404.9	3349.8
57.5°	5585.0	5436.9	5497.6	5478.6	5159.6	4665.9	4227.2	3803.7	3365.0	3116.3	3063.1
60°	5108.3	4965.9	5028.6	5011.5	4711.4	4263.3	3864.5	3471.4	3057.4	2831.4	2778.2
62.5°	4618.4	4487.4	4544.3	4531.0	4255.7	3851.2	3503.7	3142.9	2747.9	2544.7	2495.3
65°	4124.6	3999.3	4050.6	4041.1	3786.6	3479.0	3133.4	2802.9	2436.4	2259.8	2210.4
67.5°	3619.5	3503.7	3551.1	3551.1	3317.6	3023.2	2761.2	2459.2	2130.7	1978.8	1933.2
70°	3118.2	3009.9	3051.7	3047.9	2850.4	2611.1	2385.2	2115.5	1821.1	1695.8	1657.8
72.5°	2613.0	2518.1	2556.1	2552.3	2387.1	2233.2	2009.1	1775.6	1519.2	1418.6	1384.4
75°	2123.1	2033.8	2069.9	2066.1	1931.3	1787.0	1636.9	1443.2	1223.0	1152.7	1118.5
77.5°	1655.9	1564.8	1595.2	1595.2	1496.4	1392.0	1272.3	1122.3	966.6	890.6	865.9
80°	1207.8	1164.1	1148.9	1150.8	1084.3	1016.0	955.2	810.9	696.9	645.7	628.6
82.5°	793.8	757.7	742.5	746.3	708.3	666.6	628.6	527.9	452.0	421.6	412.1
85°	421.6	395.0	381.7	391.2	383.6	360.8	341.8	273.5	226.0	214.6	208.9
87.5°	132.9	115.8	106.3	140.5	119.6	106.3	102.5	81.7	62.7	62.7	60.8
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°	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0
2.5°	8129.7	8129.7	8055.6	8038.5	8030.9	8040.4	7966.3	7953.0	8059.4	8023.3	7941.6
5°	8065.1	8061.3	7956.8	7937.9	7937.9	7926.5	7842.9	7823.9	7930.3	7899.9	7810.6
7.5°	7985.3	7973.9	7850.5	7837.2	7818.2	7810.6	7717.6	7704.3	7795.4	7776.4	7692.9
10°	7888.5	7877.1	7730.9	7721.4	7700.5	7685.3	7597.9	7588.4	7681.5	7651.1	7584.6
12.5°	7761.2	7740.4	7590.3	7580.8	7563.7	7558.0	7472.6	7468.8	7571.3	7541.0	7470.7
15°	7594.1	7577.0	7409.9	7413.7	7415.6	7415.6	7347.3	7343.5	7444.1	7430.8	7354.9
17.5°	7409.9	7387.1	7227.6	7239.0	7252.3	7267.5	7214.3	7223.8	7330.2	7313.1	7244.7
20°	7201.0	7178.2	7022.5	7054.8	7083.3	7113.7	7079.5	7106.1	7204.8	7197.2	7146.0
22.5°	6967.5	6944.7	6800.3	6849.7	6897.2	6954.2	6939.0	6969.4	7073.8	7071.9	7026.3
25°	6682.6	6688.3	6561.1	6621.8	6701.6	6781.4	6787.1	6836.4	6952.3	6940.9	6899.1
27.5°	6416.7	6424.3	6289.5	6392.1	6498.4	6600.9	6625.6	6694.0	6811.7	6802.2	6766.2
30°	6137.6	6147.1	6016.1	6156.6	6285.7	6411.0	6464.2	6557.3	6676.9	6676.9	6638.9
32.5°	5847.0	5864.1	5727.4	5915.4	6065.4	6211.7	6304.7	6401.6	6538.3	6534.5	6502.2
35°	5548.9	5567.9	5442.6	5681.8	5831.9	6010.4	6126.2	6255.3	6376.9	6378.8	6354.1
37.5°	5245.1	5267.8	5153.9	5416.0	5586.9	5797.7	5945.8	6074.9	6209.8	6217.3	6194.6
40°	4943.1	4967.8	4869.1	5121.6	5338.1	5573.6	5744.5	5896.4	6044.5	6048.3	6033.1
42.5°	4641.2	4667.8	4593.7	4840.6	5085.5	5338.1	5539.4	5712.2	5864.1	5873.6	5856.5
45°	4346.8	4369.6	4316.4	4586.1	4821.6	5096.9	5328.6	5524.2	5678.0	5691.3	5685.6
47.5°	4054.4	4075.3	4027.8	4274.7	4546.2	4838.7	5106.4	5322.9	5486.2	5501.4	5497.6
50°	3767.6	3784.7	3733.4	3991.7	4261.4	4572.8	4852.0	5102.6	5284.9	5300.1	5298.2
52.5°	3482.8	3499.9	3456.2	3727.8	3972.7	4301.3	4605.1	4876.7	5057.1	5079.8	5083.6
55°	3207.4	3215.0	3180.8	3441.0	3678.4	4022.1	4371.5	4635.5	4815.9	4834.9	4846.3
57.5°	2932.1	2934.0	2905.5	3154.3	3382.1	3733.4	4100.0	4377.2	4548.1	4567.1	4584.2
60°	2658.6	2656.7	2624.4	2865.6	3084.0	3431.5	3813.2	4088.6	4253.8	4270.9	4293.7
62.5°	2387.1	2381.4	2352.9	2575.1	2780.1	3123.9	3507.5	3773.3	3930.9	3942.3	3972.7
65°	2117.4	2111.7	2085.1	2290.2	2476.3	2804.8	3180.8	3433.4	3575.8	3591.0	3585.3
67.5°	1851.5	1840.1	1819.2	2003.5	2172.5	2476.3	2837.1	3078.3	3196.0	3209.3	3245.4
70°	1585.7	1572.4	1524.9	1720.5	1868.6	2140.2	2476.3	2690.9	2789.6	2802.9	2797.2
72.5°	1323.6	1310.3	1259.0	1439.4	1564.8	1802.2	2102.2	2280.7	2366.2	2377.6	2377.6
75°	1069.1	1061.5	1029.3	1166.0	1270.4	1464.1	1718.6	1866.7	1933.2	1946.5	1942.7
77.5°	824.2	818.5	786.2	903.9	985.6	1129.9	1335.0	1450.8	1500.2	1515.4	1547.7
80°	590.6	588.7	537.4	653.3	689.3	810.9	960.9	1050.2	1076.7	1097.6	1120.4
82.5°	377.9	379.8	328.5	427.3	442.5	520.3	613.4	668.5	687.4	704.5	721.6
85°	184.2	191.8	163.3	226.0	227.9	267.8	307.6	328.5	336.1	349.4	364.6
87.5°	47.5	55.1	30.4	64.6	57.0	74.1	85.5	91.2	89.3	98.7	104.4
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°	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0
2.5°	7968.2	8029.0	7998.6	8097.4	8135.3	8074.6	8180.9	8182.8	8106.9	8196.1	8245.5
5°	7844.8	7907.5	7888.5	7991.0	8038.5	7985.3	8114.5	8139.1	8065.1	8165.7	8245.5
7.5°	7719.5	7793.5	7768.8	7873.3	7930.3	7888.5	8027.1	8067.0	8010.0	8120.2	8226.5
10°	7611.2	7673.9	7647.3	7757.4	7806.8	7772.6	7909.4	7983.4	7930.3	8065.1	8192.3
12.5°	7504.9	7556.1	7525.8	7616.9	7664.4	7620.7	7787.8	7856.2	7818.2	7958.7	8122.1
15°	7368.1	7425.1	7383.3	7465.0	7501.1	7463.1	7599.8	7717.6	7670.1	7823.9	8004.3
17.5°	7263.7	7296.0	7239.0	7303.6	7324.5	7273.2	7411.8	7527.7	7493.5	7660.6	7869.5
20°	7147.9	7174.4	7094.7	7130.8	7128.9	7064.3	7191.5	7305.5	7282.7	7466.9	7704.3
22.5°	7018.7	7032.0	6939.0	6946.6	6942.8	6836.4	6950.4	7066.2	7056.7	7242.8	7508.7
25°	6882.0	6883.9	6764.3	6760.5	6718.7	6593.4	6694.0	6825.0	6796.5	6997.8	7277.0
27.5°	6747.2	6728.2	6583.9	6549.7	6483.2	6333.2	6422.4	6540.2	6523.1	6720.6	7030.1
30°	6602.8	6578.2	6401.6	6338.9	6242.0	6069.2	6143.3	6253.4	6262.9	6435.7	6760.5
32.5°	6466.1	6403.5	6207.9	6116.7	5995.2	5793.9	5833.8	5945.8	5961.0	6135.7	6469.9
35°	6289.5	6247.7	6006.6	5850.8	5731.2	5510.9	5552.7	5630.6	5653.3	5824.3	6164.2
37.5°	6122.4	6055.9	5799.6	5609.7	5455.8	5224.2	5235.6	5315.3	5338.1	5510.9	5847.0
40°	5949.6	5854.6	5579.3	5357.1	5180.5	4937.4	4924.1	5007.7	5024.8	5193.8	5497.6
42.5°	5765.4	5651.4	5341.9	5098.8	4895.6	4648.8	4622.2	4694.3	4713.3	4878.5	5176.7
45°	5579.3	5442.6	5098.8	4833.0	4610.8	4358.2	4331.6	4386.7	4415.2	4570.9	4857.7
47.5°	5381.8	5222.3	4848.2	4551.9	4322.1	4069.6	4037.3	4092.4	4115.1	4269.0	4540.5
50°	5174.8	4981.1	4589.9	4263.3	4035.4	3786.6	3739.1	3803.7	3824.6	3968.9	4234.8
52.5°	4946.9	4732.3	4314.5	3972.7	3744.8	3507.5	3450.5	3513.2	3537.9	3678.4	3923.3
55°	4705.7	4474.1	4037.3	3705.0	3458.1	3226.4	3178.9	3203.6	3256.8	3389.7	3617.6
57.5°	4434.2	4204.4	3744.8	3406.8	3169.4	2947.3	2907.4	2930.2	2979.5	3108.7	3313.8
60°	4145.5	3902.5	3446.7	3108.7	2878.9	2668.1	2632.0	2652.9	2706.1	2823.8	3013.7
62.5°	3860.7	3587.2	3139.1	2802.9	2594.0	2398.4	2389.0	2381.4	2430.7	2544.7	2711.8
65°	3515.1	3253.0	2818.1	2499.1	2309.2	2132.6	2094.6	2111.7	2159.2	2263.6	2438.3
67.5°	3144.8	2907.4	2489.6	2195.3	2026.2	1868.6	1836.3	1843.9	1893.3	1984.5	2136.4
70°	2751.7	2542.8	2153.5	1889.5	1747.1	1599.0	1578.1	1580.0	1627.4	1707.2	1840.1
72.5°	2339.6	2151.6	1813.6	1587.6	1469.8	1363.5	1344.5	1321.7	1365.4	1433.8	1547.7
75°	1919.9	1754.7	1475.5	1291.3	1198.3	1109.0	1091.9	1069.1	1112.8	1171.7	1260.9
77.5°	1496.4	1363.5	1147.0	1004.6	932.4	865.9	850.8	826.1	869.7	913.4	983.7
80°	1082.4	985.6	856.5	706.4	681.7	638.1	622.9	596.3	638.1	666.6	719.7
82.5°	698.8	634.3	560.2	455.8	452.0	419.7	412.1	381.7	419.7	436.8	476.7
85°	353.2	322.8	303.8	231.7	239.3	218.4	216.5	184.2	214.6	222.2	245.0
87.5°	100.6	106.3	95.0	57.0	72.2	68.4	68.4	49.4	68.4	68.4	77.9
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: P838234

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6HI-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0
2.5°	8148.6	8180.9	8188.5	8186.6	8207.5	8321.4	8283.5	8321.4
5°	8167.6	8239.8	8258.8	8285.4	8319.6	8448.7	8406.9	8452.5
7.5°	8179.0	8287.3	8329.0	8380.3	8435.4	8579.7	8545.5	8591.1
10°	8179.0	8319.6	8380.3	8465.8	8539.8	8706.9	8674.7	8727.8
12.5°	8144.8	8325.2	8410.7	8530.3	8625.3	8805.7	8792.4	8830.4
15°	8074.6	8296.8	8414.5	8568.3	8686.1	8887.4	8881.7	8927.2
17.5°	7979.6	8247.4	8389.8	8583.5	8731.6	8957.6	8970.9	8995.6
20°	7860.0	8154.3	8340.4	8577.8	8763.9	9012.7	9029.8	9064.0
22.5°	7702.4	8042.3	8266.4	8553.1	8767.7	9035.5	9065.9	9098.1
25°	7516.3	7907.5	8169.5	8505.7	8748.7	9033.6	9075.4	9103.8
27.5°	7303.6	7732.8	8046.1	8429.7	8695.6	9003.2	9054.5	9088.6
30°	7056.7	7546.7	7905.6	8330.9	8623.4	8946.2	9001.3	9035.5
32.5°	6802.2	7341.6	7738.5	8203.7	8518.9	8855.1	8902.5	8929.1
35°	6525.0	7092.8	7537.2	8040.4	8384.1	8708.8	8744.9	8773.4
37.5°	6223.0	6823.1	7307.4	7856.2	8194.2	8505.7	8537.9	8570.2
40°	5911.6	6540.2	7049.1	7630.2	7968.2	8256.9	8291.1	8313.9
42.5°	5598.3	6226.8	6773.8	7364.4	7700.5	7977.7	7998.6	8021.4
45°	5281.1	5902.1	6464.2	7070.0	7402.3	7662.5	7670.1	7689.1
47.5°	4958.3	5566.0	6124.3	6733.9	7062.4	7299.8	7307.4	7322.6
50°	4633.6	5229.9	5761.6	6371.2	6692.1	6942.8	6908.6	6923.8
52.5°	4314.5	4876.7	5419.8	5980.0	6297.1	6519.3	6528.8	6498.4
55°	4001.2	4531.0	5030.5	5569.8	5871.7	6044.5	6038.8	6050.2
57.5°	3684.1	4181.6	4639.3	5133.0	5427.4	5590.7	5624.9	5585.0
60°	3361.2	3828.4	4238.6	4684.9	4969.7	5106.4	5146.3	5108.3
62.5°	3040.3	3469.5	3841.7	4231.0	4495.0	4664.0	4660.2	4618.4
65°	2719.4	3108.7	3441.0	3771.4	4001.2	4170.2	4162.6	4124.6
67.5°	2423.1	2744.1	3042.2	3310.0	3509.4	3625.2	3665.1	3619.5
70°	2096.5	2373.8	2635.8	2850.4	3015.6	3120.1	3158.0	3118.2
72.5°	1769.9	2005.4	2189.6	2396.5	2523.8	2611.1	2651.0	2613.0
75°	1447.0	1640.7	1790.8	1952.2	2041.4	2115.5	2161.1	2123.1
77.5°	1133.7	1283.7	1403.4	1521.1	1623.7	1640.7	1680.6	1655.9
80°	835.6	943.8	1031.2	1109.0	1183.1	1190.7	1223.0	1207.8
82.5°	556.4	628.6	651.4	733.0	780.5	772.9	805.2	793.8
85°	294.3	338.0	377.9	402.6	429.2	404.5	433.0	421.6
87.5°	98.7	104.4	91.2	129.1	142.4	121.5	138.6	132.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)