

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: P838180

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6HI-27-120-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: P838180
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-27-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

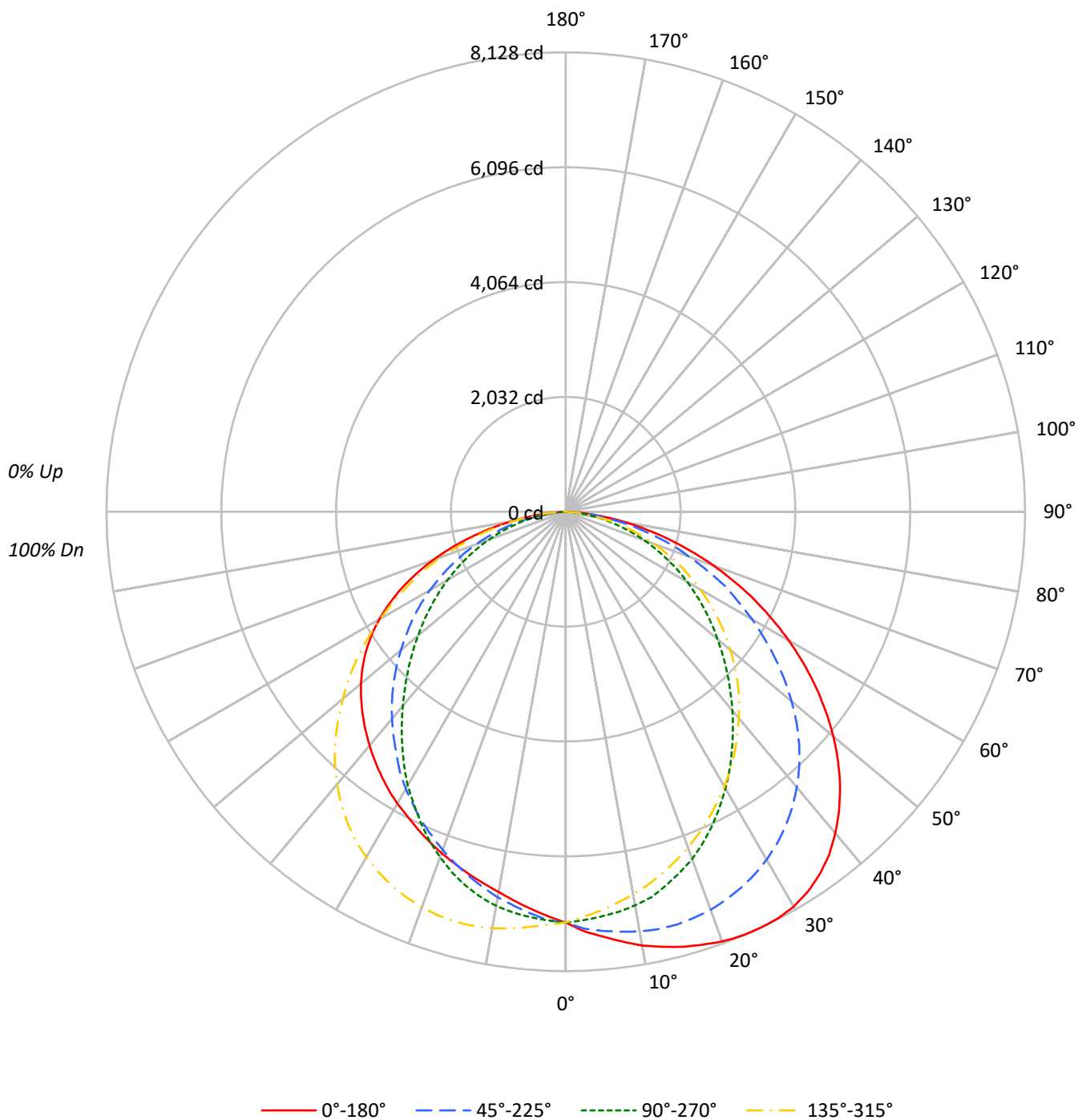
Lumens per Lamp: N/A
Luminaire Lumens: 21325.6 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	9780	9780	9780	9780
5°	10193	9710	9527	9726
10°	10647	9660	9333	9674
15°	11103	9537	9242	9539
20°	11588	9364	9201	9310
25°	12067	9102	9200	9009
30°	12534	8785	9262	8688
35°	12867	8425	9355	8291
40°	13038	8062	9485	7880
45°	13063	7695	9669	7501
50°	12940	7343	9906	7148
55°	12672	7016	10127	6821
60°	12274	6675	10262	6502
65°	11725	6283	10208	6138
70°	10953	5823	9845	5716
75°	9854	5192	9035	5165
80°	8356	4348	7593	4414
85°	5811	2879	4817	2958

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.1	3.2
10°-20°	1998.4	9.4
20°-30°	3062.7	14.4
30°-40°	3724.0	17.5
40°-50°	3871.3	18.2
50°-60°	3497.0	16.4
60°-70°	2658.6	12.5
70°-80°	1482.2	7.0
80°-90°	341.3	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°	5751.2	27.0
0°-40°	9475.3	44.4
0°-60°	16843.6	79.0
0°-90°	21325.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21325.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7269	7269	7269	7269	7269	
5°	7547	7189	7054	7201	7547	728
15°	7971	6847	6635	6848	7971	2260
25°	8128	6131	6197	6068	8128	3754
35°	7833	5129	5695	5048	7833	4893
45°	6865	4044	5082	3942	6865	5286
55°	5402	2991	4317	2908	5402	4822
65°	3683	1974	3206	1928	3683	3639
75°	1896	999	1738	994	1896	2014
85°	376	186	312	192	376	474
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°	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8
2.5°	7429.9	7321.4	7323.0	7418.0	7345.1	7380.7	7279.0	7318.0	7306.1	7314.6	7231.5
5°	7546.9	7429.9	7428.2	7509.6	7428.2	7443.4	7314.6	7340.0	7302.7	7279.0	7189.1
7.5°	7670.6	7553.6	7541.8	7613.0	7506.2	7494.3	7351.9	7351.9	7284.0	7224.7	7139.9
10°	7792.7	7672.3	7657.1	7711.3	7579.1	7540.1	7367.1	7340.0	7250.1	7162.0	7070.4
12.5°	7884.3	7762.2	7750.3	7784.2	7635.0	7563.8	7367.1	7314.6	7182.3	7058.5	6987.3
15°	7970.7	7845.3	7813.1	7830.0	7658.8	7563.8	7343.4	7262.0	7092.5	6929.7	6846.6
17.5°	8031.8	7911.4	7879.2	7877.5	7670.6	7535.0	7292.5	7180.6	6977.2	6780.5	6697.4
20°	8092.8	7972.4	7931.7	7901.2	7667.2	7496.0	7217.9	7067.0	6829.6	6609.2	6539.7
22.5°	8123.3	7999.6	7955.5	7909.7	7645.2	7424.8	7126.4	6934.8	6663.5	6400.7	6343.0
25°	8128.4	8001.3	7953.8	7887.7	7601.1	7340.0	7007.7	6775.4	6471.9	6180.3	6131.1
27.5°	8114.9	7975.8	7928.4	7848.7	7535.0	7236.6	6866.9	6594.0	6268.4	5946.3	5893.7
30°	8067.4	7926.7	7880.9	7777.5	7441.7	7109.4	6712.7	6392.2	6042.9	5700.4	5654.6
32.5°	7972.4	7835.1	7797.8	7694.4	7340.0	6961.9	6532.9	6175.2	5793.7	5466.4	5398.6
35°	7833.4	7696.1	7672.3	7563.8	7197.6	6785.6	6336.2	5937.8	5529.2	5195.1	5129.0
37.5°	7652.0	7536.7	7501.1	7394.3	7029.7	6585.5	6110.7	5680.1	5259.6	4900.1	4859.4
40°	7423.1	7314.6	7287.4	7192.5	6834.7	6363.4	5866.6	5413.9	4981.5	4647.5	4589.8
42.5°	7162.0	7060.2	7045.0	6946.6	6594.0	6117.5	5602.1	5137.5	4691.6	4369.4	4311.8
45°	6865.3	6766.9	6763.5	6670.3	6331.2	5844.5	5324.0	4857.7	4408.4	4074.4	4043.9
47.5°	6538.0	6449.8	6449.8	6363.4	6037.8	5544.4	5037.5	4566.1	4123.6	3828.5	3774.3
50°	6181.9	6098.9	6073.4	6031.0	5714.0	5217.2	4735.6	4281.2	3842.1	3560.6	3508.1
52.5°	5802.1	5730.9	5747.9	5669.9	5363.0	4876.4	4430.5	3960.8	3558.9	3302.9	3250.4
55°	5402.0	5300.3	5315.5	5286.7	4996.8	4525.4	4088.0	3696.3	3280.9	3040.1	2990.9
57.5°	4986.6	4854.3	4908.6	4891.6	4606.8	4165.9	3774.3	3396.2	3004.5	2782.4	2734.9
60°	4561.0	4433.8	4489.8	4474.5	4206.6	3806.5	3450.4	3099.5	2729.8	2528.1	2480.6
62.5°	4123.6	4006.6	4057.4	4045.6	3799.7	3438.6	3128.3	2806.1	2453.4	2272.0	2227.9
65°	3682.7	3570.8	3616.6	3608.1	3380.9	3106.2	2797.6	2502.6	2175.4	2017.7	1973.6
67.5°	3231.7	3128.3	3170.7	3170.7	2962.1	2699.3	2465.3	2195.7	1902.4	1766.8	1726.1
70°	2784.1	2687.4	2724.7	2721.3	2545.0	2331.4	2129.6	1888.8	1626.0	1514.1	1480.2
72.5°	2333.1	2248.3	2282.2	2278.8	2131.3	1994.0	1793.9	1585.3	1356.4	1266.6	1236.1
75°	1895.6	1815.9	1848.1	1844.7	1724.4	1595.5	1461.6	1288.6	1091.9	1029.2	998.7
77.5°	1478.5	1397.1	1424.3	1424.3	1336.1	1242.8	1136.0	1002.1	863.0	795.2	773.2
80°	1078.4	1039.4	1025.8	1027.5	968.2	907.1	852.9	724.0	622.3	576.5	561.2
82.5°	708.7	676.5	663.0	666.3	632.4	595.1	561.2	471.4	403.5	376.4	367.9
85°	376.4	352.7	340.8	349.3	342.5	322.2	305.2	244.2	201.8	191.6	186.5
87.5°	118.7	103.4	95.0	125.5	106.8	95.0	91.6	72.9	56.0	56.0	54.3
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°	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8
2.5°	7258.6	7258.6	7192.5	7177.2	7170.4	7178.9	7112.8	7100.9	7195.9	7163.7	7090.8
5°	7201.0	7197.6	7104.3	7087.4	7087.4	7077.2	7002.6	6985.6	7080.6	7053.5	6973.8
7.5°	7129.8	7119.6	7009.4	6997.5	6980.5	6973.8	6890.7	6878.8	6960.2	6943.2	6868.6
10°	7043.3	7033.1	6902.6	6894.1	6875.4	6861.9	6783.9	6775.4	6858.5	6831.3	6772.0
12.5°	6929.7	6911.0	6777.1	6768.6	6753.3	6748.3	6672.0	6668.6	6760.1	6733.0	6670.3
15°	6780.5	6765.2	6616.0	6619.4	6621.1	6621.1	6560.1	6556.7	6646.5	6634.7	6566.8
17.5°	6616.0	6595.7	6453.2	6463.4	6475.3	6488.8	6441.4	6449.8	6544.8	6529.5	6468.5
20°	6429.5	6409.1	6270.1	6298.9	6324.4	6351.5	6321.0	6344.7	6432.9	6426.1	6380.3
22.5°	6220.9	6200.6	6071.7	6115.8	6158.2	6209.1	6195.5	6222.6	6315.9	6314.2	6273.5
25°	5966.6	5971.7	5858.1	5912.4	5983.6	6054.8	6059.9	6104.0	6207.4	6197.2	6159.9
27.5°	5729.2	5736.0	5615.6	5707.2	5802.1	5893.7	5915.7	5976.8	6081.9	6073.4	6041.2
30°	5480.0	5488.5	5371.5	5496.9	5612.2	5724.2	5771.6	5854.7	5961.5	5961.5	5927.6
32.5°	5220.6	5235.8	5113.8	5281.6	5415.6	5546.1	5629.2	5715.7	5837.8	5834.4	5805.5
35°	4954.4	4971.3	4859.4	5073.1	5207.0	5366.4	5469.8	5585.1	5693.6	5695.3	5673.3
37.5°	4683.1	4703.4	4601.7	4835.7	4988.3	5176.5	5308.7	5424.0	5544.4	5551.2	5530.9
40°	4413.5	4435.5	4347.4	4572.9	4766.2	4976.4	5129.0	5264.7	5396.9	5400.3	5386.7
42.5°	4143.9	4167.6	4101.5	4321.9	4540.7	4766.2	4945.9	5100.2	5235.8	5244.3	5229.1
45°	3881.1	3901.4	3854.0	4094.7	4305.0	4550.8	4757.7	4932.3	5069.7	5081.5	5076.5
47.5°	3620.0	3638.6	3596.2	3816.7	4059.1	4320.2	4559.3	4752.6	4898.4	4912.0	4908.6
50°	3364.0	3379.2	3333.4	3564.0	3804.8	4082.9	4332.1	4555.9	4718.7	4732.3	4730.6
52.5°	3109.6	3124.9	3085.9	3328.3	3547.1	3840.4	4111.7	4354.2	4515.2	4535.6	4539.0
55°	2863.8	2870.6	2840.0	3072.3	3284.3	3591.2	3903.1	4138.8	4299.9	4316.9	4327.0
57.5°	2617.9	2619.6	2594.2	2816.3	3019.8	3333.4	3660.7	3908.2	4060.8	4077.8	4093.0
60°	2373.8	2372.1	2343.2	2558.6	2753.6	3063.8	3404.6	3650.5	3798.0	3813.3	3833.6
62.5°	2131.3	2126.2	2100.8	2299.2	2482.3	2789.2	3131.7	3369.0	3509.8	3519.9	3547.1
65°	1890.5	1885.4	1861.7	2044.8	2211.0	2504.3	2840.0	3065.5	3192.7	3206.3	3201.2
67.5°	1653.2	1643.0	1624.3	1788.8	1939.7	2211.0	2533.1	2748.5	2853.6	2865.5	2897.7
70°	1415.8	1403.9	1361.5	1536.2	1668.4	1910.9	2211.0	2402.6	2490.8	2502.6	2497.5
72.5°	1181.8	1169.9	1124.1	1285.2	1397.1	1609.1	1877.0	2036.3	2112.6	2122.8	2122.8
75°	954.6	947.8	919.0	1041.1	1134.3	1307.3	1534.5	1666.7	1726.1	1737.9	1734.5
77.5°	735.9	730.8	702.0	807.1	880.0	1008.8	1192.0	1295.4	1339.5	1353.0	1381.9
80°	527.3	525.6	479.8	583.3	615.5	724.0	857.9	937.6	961.4	980.0	1000.4
82.5°	337.4	339.1	293.3	381.5	395.1	464.6	547.7	596.8	613.8	629.0	644.3
85°	164.5	171.2	145.8	201.8	203.5	239.1	274.7	293.3	300.1	312.0	325.5
87.5°	42.4	49.2	27.1	57.6	50.9	66.1	76.3	81.4	79.7	88.2	93.3
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°	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8
2.5°	7114.5	7168.8	7141.6	7229.8	7263.7	7209.4	7304.4	7306.1	7238.3	7318.0	7362.0
5°	7004.3	7060.2	7043.3	7134.8	7177.2	7129.8	7245.1	7267.1	7201.0	7290.8	7362.0
7.5°	6892.4	6958.5	6936.5	7029.7	7080.6	7043.3	7167.1	7202.7	7151.8	7250.1	7345.1
10°	6795.7	6851.7	6827.9	6926.3	6970.4	6939.9	7061.9	7128.1	7080.6	7201.0	7314.6
12.5°	6700.8	6746.6	6719.4	6800.8	6843.2	6804.2	6953.4	7014.5	6980.5	7106.0	7251.8
15°	6578.7	6629.6	6592.3	6665.2	6697.4	6663.5	6785.6	6890.7	6848.3	6985.6	7146.7
17.5°	6485.4	6514.3	6463.4	6521.1	6539.7	6493.9	6617.7	6721.1	6690.6	6839.8	7026.3
20°	6382.0	6405.8	6334.5	6366.8	6365.1	6307.4	6421.0	6522.8	6502.4	6666.9	6878.8
22.5°	6266.7	6278.6	6195.5	6202.3	6198.9	6104.0	6205.7	6309.1	6300.6	6466.8	6704.2
25°	6144.6	6146.3	6039.5	6036.1	5998.8	5886.9	5976.8	6093.8	6068.3	6248.1	6497.3
27.5°	6024.3	6007.3	5878.4	5847.9	5788.6	5654.6	5734.3	5839.4	5824.2	6000.5	6276.9
30°	5895.4	5873.4	5715.7	5659.7	5573.2	5419.0	5485.1	5583.4	5591.9	5746.2	6036.1
32.5°	5773.3	5717.4	5542.7	5461.3	5352.8	5173.1	5208.7	5308.7	5322.3	5478.3	5776.7
35°	5615.6	5578.3	5363.0	5224.0	5117.1	4920.5	4957.8	5027.3	5047.6	5200.2	5503.7
37.5°	5466.4	5407.1	5178.2	5008.6	4871.3	4664.4	4674.6	4745.8	4766.2	4920.5	5220.6
40°	5312.1	5227.4	4981.5	4783.1	4625.4	4408.4	4396.5	4471.1	4486.4	4637.3	4908.6
42.5°	5147.7	5045.9	4769.6	4552.5	4371.1	4150.7	4126.9	4191.4	4208.3	4355.8	4622.0
45°	4981.5	4859.4	4552.5	4315.2	4116.8	3891.3	3867.5	3916.7	3942.1	4081.2	4337.2
47.5°	4805.2	4662.7	4328.7	4064.2	3859.1	3633.5	3604.7	3653.9	3674.2	3811.6	4054.0
50°	4620.4	4447.4	4098.1	3806.5	3603.0	3380.9	3338.5	3396.2	3414.8	3543.7	3781.1
52.5°	4416.9	4225.3	3852.3	3547.1	3343.6	3131.7	3080.8	3136.8	3158.8	3284.3	3503.0
55°	4201.6	3994.7	3604.7	3308.0	3087.6	2880.7	2838.3	2860.4	2907.9	3026.5	3230.0
57.5°	3959.1	3753.9	3343.6	3041.8	2829.9	2631.5	2595.9	2616.2	2660.3	2775.6	2958.7
60°	3701.4	3484.3	3077.4	2775.6	2570.4	2382.2	2350.0	2368.7	2416.1	2521.3	2690.8
62.5°	3447.0	3202.9	2802.7	2502.6	2316.1	2141.5	2133.0	2126.2	2170.3	2272.0	2421.2
65°	3138.4	2904.5	2516.2	2231.3	2061.8	1904.1	1870.2	1885.4	1927.8	2021.1	2177.1
67.5°	2807.8	2595.9	2222.9	1960.0	1809.1	1668.4	1639.6	1646.4	1690.5	1771.8	1907.5
70°	2456.8	2270.3	1922.7	1687.1	1559.9	1427.6	1409.0	1410.7	1453.1	1524.3	1643.0
72.5°	2088.9	1921.0	1619.2	1417.5	1312.3	1217.4	1200.4	1180.1	1219.1	1280.1	1381.9
75°	1714.2	1566.7	1317.4	1153.0	1069.9	990.2	974.9	954.6	993.6	1046.1	1125.8
77.5°	1336.1	1217.4	1024.1	896.9	832.5	773.2	759.6	737.6	776.6	815.6	878.3
80°	966.5	880.0	764.7	630.7	608.7	569.7	556.1	532.4	569.7	595.1	642.6
82.5°	624.0	566.3	500.2	406.9	403.5	374.7	367.9	340.8	374.7	390.0	425.6
85°	315.4	288.2	271.3	206.9	213.6	195.0	193.3	164.5	191.6	198.4	218.7
87.5°	89.9	95.0	84.8	50.9	64.4	61.0	61.0	44.1	61.0	61.0	69.5
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: P838180

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6HI-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8	7268.8
2.5°	7275.6	7304.4	7311.2	7309.5	7328.1	7429.9	7396.0	7429.9
5°	7292.5	7357.0	7373.9	7397.7	7428.2	7543.5	7506.2	7546.9
7.5°	7302.7	7399.3	7436.6	7482.4	7531.6	7660.5	7629.9	7670.6
10°	7302.7	7428.2	7482.4	7558.7	7624.9	7774.1	7745.2	7792.7
12.5°	7272.2	7433.3	7509.6	7616.4	7701.2	7862.2	7850.4	7884.3
15°	7209.4	7407.8	7512.9	7650.3	7755.4	7935.1	7930.1	7970.7
17.5°	7124.7	7363.7	7490.9	7663.9	7796.1	7997.9	8009.7	8031.8
20°	7017.8	7280.7	7446.8	7658.8	7824.9	8047.0	8062.3	8092.8
22.5°	6877.1	7180.6	7380.7	7636.7	7828.3	8067.4	8094.5	8123.3
25°	6711.0	7060.2	7294.2	7594.3	7811.4	8065.7	8103.0	8128.4
27.5°	6521.1	6904.2	7184.0	7526.5	7763.9	8038.6	8084.3	8114.9
30°	6300.6	6738.1	7058.5	7438.3	7699.5	7987.7	8036.9	8067.4
32.5°	6073.4	6555.0	6909.3	7324.7	7606.2	7906.3	7948.7	7972.4
35°	5825.9	6332.9	6729.6	7178.9	7485.8	7775.8	7808.0	7833.4
37.5°	5556.3	6092.1	6524.4	7014.5	7316.3	7594.3	7623.2	7652.0
40°	5278.2	5839.4	6293.9	6812.7	7114.5	7372.2	7402.7	7423.1
42.5°	4998.5	5559.7	6048.0	6575.3	6875.4	7123.0	7141.6	7162.0
45°	4715.3	5269.7	5771.6	6312.5	6609.2	6841.5	6848.3	6865.3
47.5°	4427.1	4969.6	5468.1	6012.4	6305.7	6517.7	6524.4	6538.0
50°	4137.1	4669.5	5144.3	5688.5	5975.1	6198.9	6168.4	6181.9
52.5°	3852.3	4354.2	4839.1	5339.3	5622.4	5820.8	5829.3	5802.1
55°	3572.5	4045.6	4491.5	4973.0	5242.6	5396.9	5391.8	5402.0
57.5°	3289.4	3733.6	4142.2	4583.1	4845.9	4991.7	5022.2	4986.6
60°	3001.1	3418.2	3784.5	4182.9	4437.2	4559.3	4594.9	4561.0
62.5°	2714.6	3097.8	3430.1	3777.7	4013.3	4164.3	4160.9	4123.6
65°	2428.0	2775.6	3072.3	3367.3	3572.5	3723.4	3716.6	3682.7
67.5°	2163.5	2450.1	2716.3	2955.3	3133.4	3236.8	3272.4	3231.7
70°	1871.9	2119.4	2353.4	2545.0	2692.5	2785.8	2819.7	2784.1
72.5°	1580.2	1790.5	1955.0	2139.8	2253.4	2331.4	2367.0	2333.1
75°	1292.0	1464.9	1598.9	1743.0	1822.7	1888.8	1929.5	1895.6
77.5°	1012.2	1146.2	1253.0	1358.1	1449.7	1464.9	1500.6	1478.5
80°	746.0	842.7	920.7	990.2	1056.3	1063.1	1091.9	1078.4
82.5°	496.8	561.2	581.6	654.5	696.9	690.1	718.9	708.7
85°	262.8	301.8	337.4	359.5	383.2	361.2	386.6	376.4
87.5°	88.2	93.3	81.4	115.3	127.2	108.5	123.8	118.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)