

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: P838251

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6STD-50-120-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: P838251
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-LD4-6STD-50-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

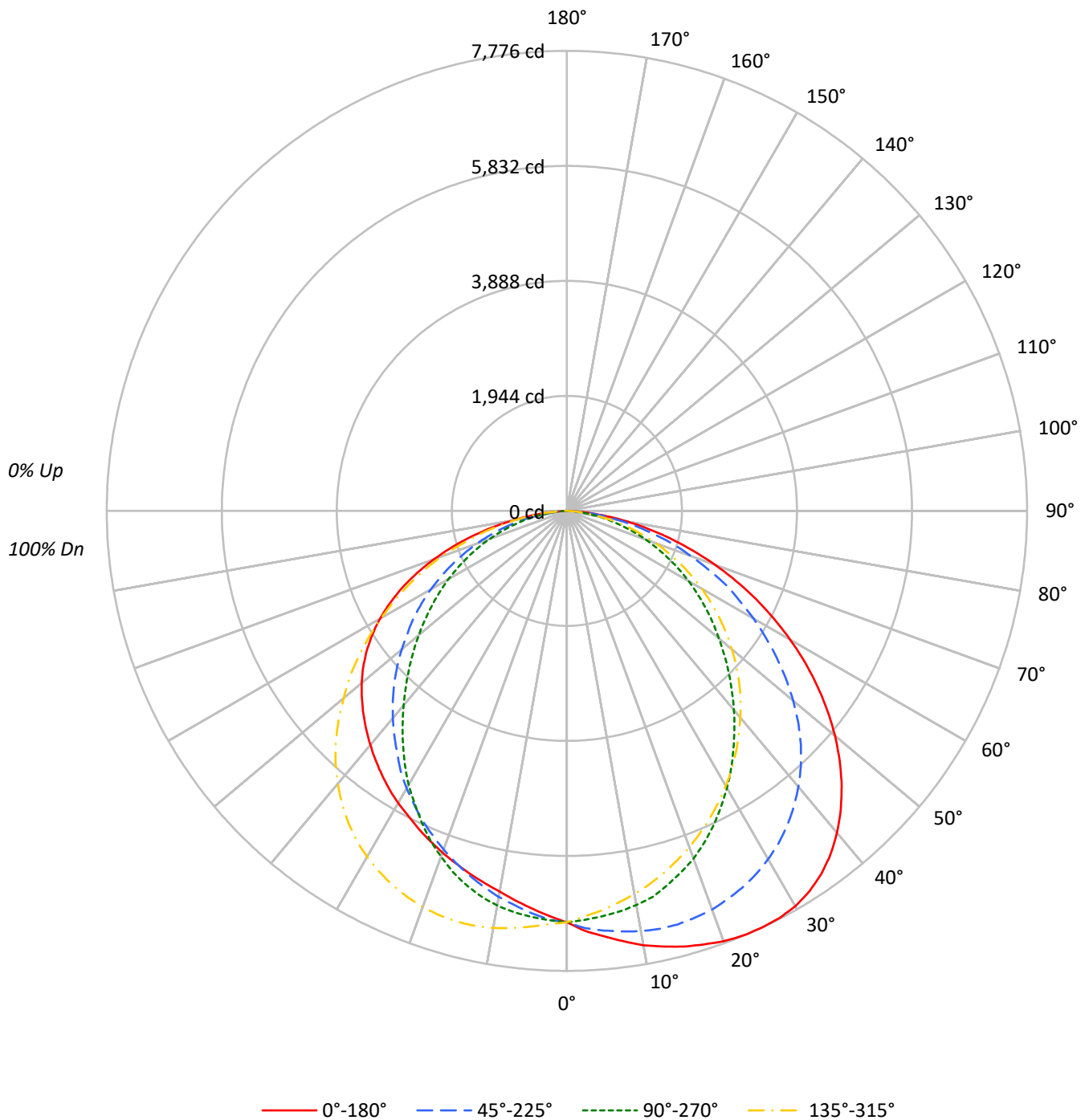
Lumens per Lamp: N/A
Luminaire Lumens: 20400.5 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 199.8
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°	9356	9356	9356	9356
5°	9751	9289	9113	9304
10°	10185	9241	8928	9254
15°	10621	9123	8841	9126
20°	11085	8958	8802	8906
25°	11544	8707	8801	8618
30°	11990	8404	8860	8311
35°	12309	8059	8949	7931
40°	12472	7712	9074	7538
45°	12497	7361	9250	7176
50°	12379	7025	9476	6838
55°	12122	6712	9687	6525
60°	11741	6386	9816	6220
65°	11216	6011	9765	5871
70°	10477	5570	9418	5468
75°	9427	4967	8643	4941
80°	7993	4160	7264	4223
85°	5559	2754	4607	2830

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.2	3.2
10°-20°	1911.7	9.4
20°-30°	2929.8	14.4
30°-40°	3562.5	17.5
40°-50°	3703.4	18.2
50°-60°	3345.3	16.4
60°-70°	2543.3	12.5
70°-80°	1417.9	7.0
80°-90°	326.4	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°	5501.8	27.0
0°-40°	9064.2	44.4
0°-60°	16112.9	79.0
0°-90°	20400.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20400.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6954	6954	6954	6954	6954	
5°	7220	6877	6748	6889	7220	696
15°	7625	6550	6347	6551	7625	2162
25°	7776	5865	5928	5805	7776	3591
35°	7494	4906	5448	4829	7494	4680
45°	6567	3868	4861	3771	6567	5056
55°	5168	2861	4130	2782	5168	4613
65°	3523	1888	3067	1844	3523	3481
75°	1813	955	1662	950	1813	1926
85°	360	178	298	183	360	453
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°	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5
2.5°	7107.6	7003.8	7005.4	7096.2	7026.5	7060.5	6963.2	7000.5	6989.2	6997.3	6917.8
5°	7219.5	7107.6	7105.9	7183.8	7105.9	7120.5	6997.3	7021.6	6985.9	6963.2	6877.2
7.5°	7337.9	7226.0	7214.6	7282.7	7180.6	7169.2	7033.0	7033.0	6968.1	6911.3	6830.2
10°	7454.7	7339.5	7324.9	7376.8	7250.3	7213.0	7047.6	7021.6	6935.6	6851.3	6763.7
12.5°	7542.3	7425.5	7414.1	7446.6	7303.8	7235.7	7047.6	6997.3	6870.8	6752.3	6684.2
15°	7625.0	7505.0	7474.1	7490.4	7326.5	7235.7	7024.8	6947.0	6784.8	6629.1	6549.6
17.5°	7683.4	7568.2	7537.4	7535.8	7337.9	7208.1	6976.2	6869.1	6674.5	6486.3	6406.9
20°	7741.8	7626.6	7587.7	7558.5	7334.6	7170.8	6904.8	6760.5	6533.4	6322.5	6256.0
22.5°	7771.0	7652.6	7610.4	7566.6	7313.6	7102.7	6817.2	6633.9	6374.4	6123.0	6067.9
25°	7775.8	7654.2	7608.8	7545.5	7271.4	7021.6	6703.7	6481.5	6191.1	5912.2	5865.1
27.5°	7762.8	7629.8	7584.4	7508.2	7208.1	6922.7	6569.1	6307.9	5996.5	5688.3	5638.0
30°	7717.4	7582.8	7539.0	7440.1	7118.9	6801.0	6421.5	6114.9	5780.8	5453.1	5409.3
32.5°	7626.6	7495.2	7459.5	7360.6	7021.6	6659.9	6249.5	5907.3	5542.3	5229.3	5164.4
35°	7493.6	7362.2	7339.5	7235.7	6885.4	6491.2	6061.4	5680.2	5289.3	4969.8	4906.5
37.5°	7320.0	7209.8	7175.7	7073.5	6724.8	6299.8	5845.7	5433.7	5031.4	4687.6	4648.6
40°	7101.1	6997.3	6971.3	6880.5	6538.2	6087.3	5612.1	5179.0	4765.4	4445.9	4390.7
42.5°	6851.3	6754.0	6739.4	6645.3	6307.9	5852.1	5359.1	4914.6	4488.0	4179.9	4124.7
45°	6567.4	6473.4	6470.1	6380.9	6056.5	5591.0	5093.1	4647.0	4217.2	3897.6	3868.4
47.5°	6254.4	6170.1	6170.1	6087.3	5775.9	5303.9	4818.9	4368.0	3944.7	3662.5	3610.6
50°	5913.8	5834.3	5810.0	5769.4	5466.1	4990.9	4530.2	4095.5	3675.4	3406.2	3355.9
52.5°	5550.5	5482.3	5498.5	5423.9	5130.4	4664.8	4238.3	3789.0	3404.6	3159.6	3109.4
55°	5167.7	5070.3	5084.9	5057.4	4780.0	4329.1	3910.6	3535.9	3138.6	2908.2	2861.2
57.5°	4770.3	4643.8	4695.7	4679.4	4406.9	3985.2	3610.6	3248.8	2874.2	2661.7	2616.3
60°	4363.2	4241.5	4295.0	4280.4	4024.2	3641.4	3300.8	2965.0	2611.4	2418.4	2373.0
62.5°	3944.7	3832.8	3881.4	3870.1	3634.9	3289.4	2992.6	2684.4	2347.0	2173.5	2131.3
65°	3523.0	3415.9	3459.7	3451.6	3234.3	2971.5	2676.3	2394.1	2081.0	1930.2	1888.0
67.5°	3091.5	2992.6	3033.1	3033.1	2833.6	2582.2	2358.4	2100.5	1819.9	1690.1	1651.2
70°	2663.3	2570.9	2606.5	2603.3	2434.6	2230.2	2037.2	1806.9	1555.5	1448.4	1416.0
72.5°	2231.9	2150.8	2183.2	2180.0	2038.8	1907.5	1716.1	1516.6	1297.6	1211.6	1182.4
75°	1813.4	1737.2	1768.0	1764.7	1649.6	1526.3	1398.2	1232.7	1044.6	984.5	955.4
77.5°	1414.4	1336.5	1362.5	1362.5	1278.1	1188.9	1086.7	958.6	825.6	760.7	739.6
80°	1031.6	994.3	981.3	982.9	926.2	867.8	815.9	692.6	595.3	551.5	536.9
82.5°	678.0	647.2	634.2	637.4	605.0	569.3	536.9	450.9	386.0	360.1	352.0
85°	360.1	337.4	326.0	334.1	327.6	308.2	292.0	233.6	193.0	183.3	178.4
87.5°	113.5	98.9	90.8	120.0	102.2	90.8	87.6	69.7	53.5	53.5	51.9
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°	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5
2.5°	6943.7	6943.7	6880.5	6865.9	6859.4	6867.5	6804.3	6792.9	6883.7	6852.9	6783.2
5°	6888.6	6885.4	6796.1	6779.9	6779.9	6770.2	6698.8	6682.6	6773.4	6747.5	6671.2
7.5°	6820.5	6810.7	6705.3	6694.0	6677.7	6671.2	6591.8	6580.4	6658.3	6642.1	6570.7
10°	6737.8	6728.0	6603.1	6595.0	6577.2	6564.2	6489.6	6481.5	6561.0	6535.0	6478.2
12.5°	6629.1	6611.2	6483.1	6475.0	6460.4	6455.5	6382.5	6379.3	6466.9	6440.9	6380.9
15°	6486.3	6471.7	6329.0	6332.3	6333.9	6333.9	6275.5	6272.2	6358.2	6346.9	6282.0
17.5°	6329.0	6309.5	6173.3	6183.0	6194.4	6207.4	6161.9	6170.1	6260.9	6246.3	6187.9
20°	6150.6	6131.1	5998.1	6025.7	6050.0	6076.0	6046.8	6069.5	6153.8	6147.3	6103.6
22.5°	5951.1	5931.6	5808.3	5850.5	5891.1	5939.7	5926.8	5952.7	6041.9	6040.3	6001.4
25°	5707.8	5712.7	5604.0	5655.9	5724.0	5792.1	5797.0	5839.2	5938.1	5928.4	5892.7
27.5°	5480.7	5487.2	5372.0	5459.6	5550.5	5638.0	5659.1	5717.5	5818.1	5810.0	5779.2
30°	5242.3	5250.4	5138.5	5258.5	5368.8	5475.8	5521.3	5600.7	5702.9	5702.9	5670.5
32.5°	4994.1	5008.7	4891.9	5052.5	5180.6	5305.5	5385.0	5467.7	5584.5	5581.3	5553.7
35°	4739.5	4755.7	4648.6	4853.0	4981.1	5133.6	5232.5	5342.8	5446.6	5448.3	5427.2
37.5°	4479.9	4499.4	4402.1	4625.9	4771.9	4951.9	5078.5	5188.7	5303.9	5310.4	5290.9
40°	4222.0	4243.1	4158.8	4374.5	4559.4	4760.5	4906.5	5036.3	5162.8	5166.0	5153.1
42.5°	3964.1	3986.9	3923.6	4134.5	4343.7	4559.4	4731.3	4878.9	5008.7	5016.8	5002.2
45°	3712.7	3732.2	3686.8	3917.1	4118.2	4353.4	4551.3	4718.4	4849.8	4861.1	4856.2
47.5°	3463.0	3480.8	3440.2	3651.1	3883.0	4132.8	4361.5	4546.4	4685.9	4698.9	4695.7
50°	3218.0	3232.6	3188.8	3409.4	3639.7	3905.8	4144.2	4358.3	4514.0	4527.0	4525.4
52.5°	2974.7	2989.3	2952.0	3184.0	3393.2	3673.8	3933.3	4165.3	4319.4	4338.8	4342.1
55°	2739.5	2746.0	2716.8	2939.0	3141.8	3435.4	3733.8	3959.3	4113.4	4129.6	4139.3
57.5°	2504.4	2506.0	2481.6	2694.1	2888.8	3188.8	3501.9	3738.7	3884.7	3900.9	3915.5
60°	2270.8	2269.2	2241.6	2447.6	2634.1	2930.9	3257.0	3492.1	3633.3	3647.9	3667.3
62.5°	2038.8	2034.0	2009.6	2199.4	2374.6	2668.2	2995.8	3222.9	3357.5	3367.3	3393.2
65°	1808.5	1803.7	1780.9	1956.1	2115.1	2395.7	2716.8	2932.6	3054.2	3067.2	3062.3
67.5°	1581.4	1571.7	1553.9	1711.2	1855.6	2115.1	2423.3	2629.2	2729.8	2741.2	2772.0
70°	1354.4	1343.0	1302.5	1469.5	1596.0	1828.0	2115.1	2298.4	2382.7	2394.1	2389.2
72.5°	1130.5	1119.2	1075.4	1229.5	1336.5	1539.3	1795.5	1948.0	2021.0	2030.7	2030.7
75°	913.2	906.7	879.1	995.9	1085.1	1250.6	1467.9	1594.4	1651.2	1662.5	1659.3
77.5°	703.9	699.1	671.5	772.1	841.8	965.1	1140.3	1239.2	1281.4	1294.3	1321.9
80°	504.4	502.8	459.0	558.0	588.8	692.6	820.7	897.0	919.7	937.5	957.0
82.5°	322.8	324.4	280.6	364.9	377.9	444.4	523.9	570.9	587.2	601.8	616.4
85°	157.3	163.8	139.5	193.0	194.6	228.7	262.8	280.6	287.1	298.4	311.4
87.5°	40.5	47.0	26.0	55.1	48.7	63.3	73.0	77.9	76.2	84.3	89.2
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°	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5
2.5°	6805.9	6857.8	6831.8	6916.2	6948.6	6896.7	6987.5	6989.2	6924.3	7000.5	7042.7
5°	6700.4	6754.0	6737.8	6825.3	6865.9	6820.5	6930.8	6951.9	6888.6	6974.6	7042.7
7.5°	6593.4	6656.7	6635.6	6724.8	6773.4	6737.8	6856.2	6890.2	6841.6	6935.6	7026.5
10°	6500.9	6554.5	6531.8	6625.8	6668.0	6638.8	6755.6	6818.9	6773.4	6888.6	6997.3
12.5°	6410.1	6453.9	6428.0	6505.8	6546.4	6509.1	6651.8	6710.2	6677.7	6797.8	6937.3
15°	6293.3	6342.0	6306.3	6376.0	6406.9	6374.4	6491.2	6591.8	6551.2	6682.6	6836.7
17.5°	6204.1	6231.7	6183.0	6238.2	6256.0	6212.2	6330.6	6429.6	6400.4	6543.1	6721.5
20°	6105.2	6127.9	6059.8	6090.6	6089.0	6033.8	6142.5	6239.8	6220.3	6377.7	6580.4
22.5°	5994.9	6006.2	5926.8	5933.2	5930.0	5839.2	5936.5	6035.4	6027.3	6186.3	6413.4
25°	5878.1	5879.7	5777.5	5774.3	5738.6	5631.6	5717.5	5829.4	5805.1	5977.0	6215.5
27.5°	5762.9	5746.7	5623.4	5594.2	5537.5	5409.3	5485.6	5586.1	5571.5	5740.2	6004.6
30°	5639.7	5618.6	5467.7	5414.2	5331.5	5183.9	5247.1	5341.2	5349.3	5496.9	5774.3
32.5°	5522.9	5469.4	5302.3	5224.4	5120.6	4948.7	4982.8	5078.5	5091.4	5240.7	5526.1
35°	5372.0	5336.4	5130.4	4997.4	4895.2	4707.0	4742.7	4809.2	4828.7	4974.6	5265.0
37.5°	5229.3	5172.5	4953.6	4791.4	4660.0	4462.1	4471.8	4540.0	4559.4	4707.0	4994.1
40°	5081.7	5000.6	4765.4	4575.6	4424.8	4217.2	4205.8	4277.2	4291.8	4436.1	4695.7
42.5°	4924.4	4827.0	4562.7	4355.0	4181.5	3970.6	3947.9	4009.6	4025.8	4166.9	4421.5
45°	4765.4	4648.6	4355.0	4128.0	3938.2	3722.5	3699.8	3746.8	3771.1	3904.1	4149.1
47.5°	4596.7	4460.5	4140.9	3887.9	3691.7	3475.9	3448.4	3495.4	3514.9	3646.2	3878.2
50°	4419.9	4254.5	3920.4	3641.4	3446.7	3234.3	3193.7	3248.8	3266.7	3390.0	3617.0
52.5°	4225.3	4042.0	3685.2	3393.2	3198.6	2995.8	2947.2	3000.7	3021.8	3141.8	3351.0
55°	4019.3	3821.4	3448.4	3164.5	2953.6	2755.8	2715.2	2736.3	2781.7	2895.3	3089.9
57.5°	3787.3	3591.1	3198.6	2909.9	2707.1	2517.3	2483.3	2502.7	2544.9	2655.2	2830.4
60°	3540.8	3333.2	2943.9	2655.2	2458.9	2278.9	2248.1	2265.9	2311.3	2411.9	2574.1
62.5°	3297.5	3063.9	2681.2	2394.1	2215.6	2048.6	2040.5	2034.0	2076.1	2173.5	2316.2
65°	3002.3	2778.5	2407.0	2134.5	1972.3	1821.5	1789.1	1803.7	1844.2	1933.4	2082.6
67.5°	2686.0	2483.3	2126.4	1875.0	1730.7	1596.0	1568.5	1575.0	1617.1	1695.0	1824.7
70°	2350.3	2171.8	1839.3	1613.9	1492.2	1365.7	1347.9	1349.5	1390.0	1458.2	1571.7
72.5°	1998.3	1837.7	1549.0	1356.0	1255.4	1164.6	1148.4	1128.9	1166.2	1224.6	1321.9
75°	1639.8	1498.7	1260.3	1103.0	1023.5	947.2	932.6	913.2	950.5	1000.8	1077.0
77.5°	1278.1	1164.6	979.7	858.0	796.4	739.6	726.7	705.6	742.9	780.2	840.2
80°	924.5	841.8	731.5	603.4	582.3	545.0	532.0	509.3	545.0	569.3	614.7
82.5°	596.9	541.7	478.5	389.3	386.0	358.5	352.0	326.0	358.5	373.1	407.1
85°	301.7	275.7	259.5	197.9	204.4	186.5	184.9	157.3	183.3	189.8	209.2
87.5°	86.0	90.8	81.1	48.7	61.6	58.4	58.4	42.2	58.4	58.4	66.5
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: P838251

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6STD-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5	6953.5
2.5°	6960.0	6987.5	6994.0	6992.4	7010.2	7107.6	7075.1	7107.6
5°	6976.2	7037.8	7054.0	7076.7	7105.9	7216.2	7180.6	7219.5
7.5°	6985.9	7078.4	7114.1	7157.8	7204.9	7328.2	7299.0	7337.9
10°	6985.9	7105.9	7157.8	7230.8	7294.1	7436.8	7409.3	7454.7
12.5°	6956.7	7110.8	7183.8	7286.0	7367.1	7521.2	7509.8	7542.3
15°	6896.7	7086.5	7187.0	7318.4	7419.0	7590.9	7586.1	7625.0
17.5°	6815.6	7044.3	7166.0	7331.4	7457.9	7650.9	7662.3	7683.4
20°	6713.4	6964.8	7123.8	7326.5	7485.5	7698.0	7712.6	7741.8
22.5°	6578.8	6869.1	7060.5	7305.4	7488.7	7717.4	7743.4	7771.0
25°	6419.8	6754.0	6977.8	7264.9	7472.5	7715.8	7751.5	7775.8
27.5°	6238.2	6604.7	6872.4	7200.0	7427.1	7689.9	7733.7	7762.8
30°	6027.3	6445.8	6752.3	7115.7	7365.5	7641.2	7688.2	7717.4
32.5°	5810.0	6270.6	6609.6	7007.0	7276.3	7563.3	7603.9	7626.6
35°	5573.2	6058.1	6437.7	6867.5	7161.1	7438.5	7469.3	7493.6
37.5°	5315.3	5827.8	6241.4	6710.2	6998.9	7264.9	7292.5	7320.0
40°	5049.3	5586.1	6020.8	6517.2	6805.9	7052.4	7081.6	7101.1
42.5°	4781.6	5318.5	5785.6	6290.1	6577.2	6814.0	6831.8	6851.3
45°	4510.8	5041.1	5521.3	6038.7	6322.5	6544.7	6551.2	6567.4
47.5°	4235.0	4754.1	5230.9	5751.6	6032.2	6234.9	6241.4	6254.4
50°	3957.7	4467.0	4921.1	5441.8	5715.9	5930.0	5900.8	5913.8
52.5°	3685.2	4165.3	4629.2	5107.6	5378.5	5568.3	5576.4	5550.5
55°	3417.5	3870.1	4296.7	4757.3	5015.2	5162.8	5157.9	5167.7
57.5°	3146.7	3571.6	3962.5	4384.2	4635.7	4775.1	4804.3	4770.3
60°	2870.9	3269.9	3620.3	4001.5	4244.8	4361.5	4395.6	4363.2
62.5°	2596.8	2963.4	3281.3	3613.8	3839.3	3983.6	3980.4	3944.7
65°	2322.7	2655.2	2939.0	3221.3	3417.5	3561.9	3555.4	3523.0
67.5°	2069.7	2343.8	2598.4	2827.1	2997.4	3096.4	3130.4	3091.5
70°	1790.7	2027.5	2251.3	2434.6	2575.7	2664.9	2697.4	2663.3
72.5°	1511.7	1712.8	1870.2	2047.0	2155.6	2230.2	2264.3	2231.9
75°	1236.0	1401.4	1529.5	1667.4	1743.6	1806.9	1845.8	1813.4
77.5°	968.3	1096.5	1198.7	1299.2	1386.8	1401.4	1435.5	1414.4
80°	713.7	806.1	880.7	947.2	1010.5	1017.0	1044.6	1031.6
82.5°	475.2	536.9	556.3	626.1	666.6	660.2	687.7	678.0
85°	251.4	288.7	322.8	343.9	366.6	345.5	369.8	360.1
87.5°	84.3	89.2	77.9	110.3	121.6	103.8	118.4	113.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)