

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: METALUX

Report Number: P#

Luminaire Tested: **8SRL-LD5-74SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-74SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

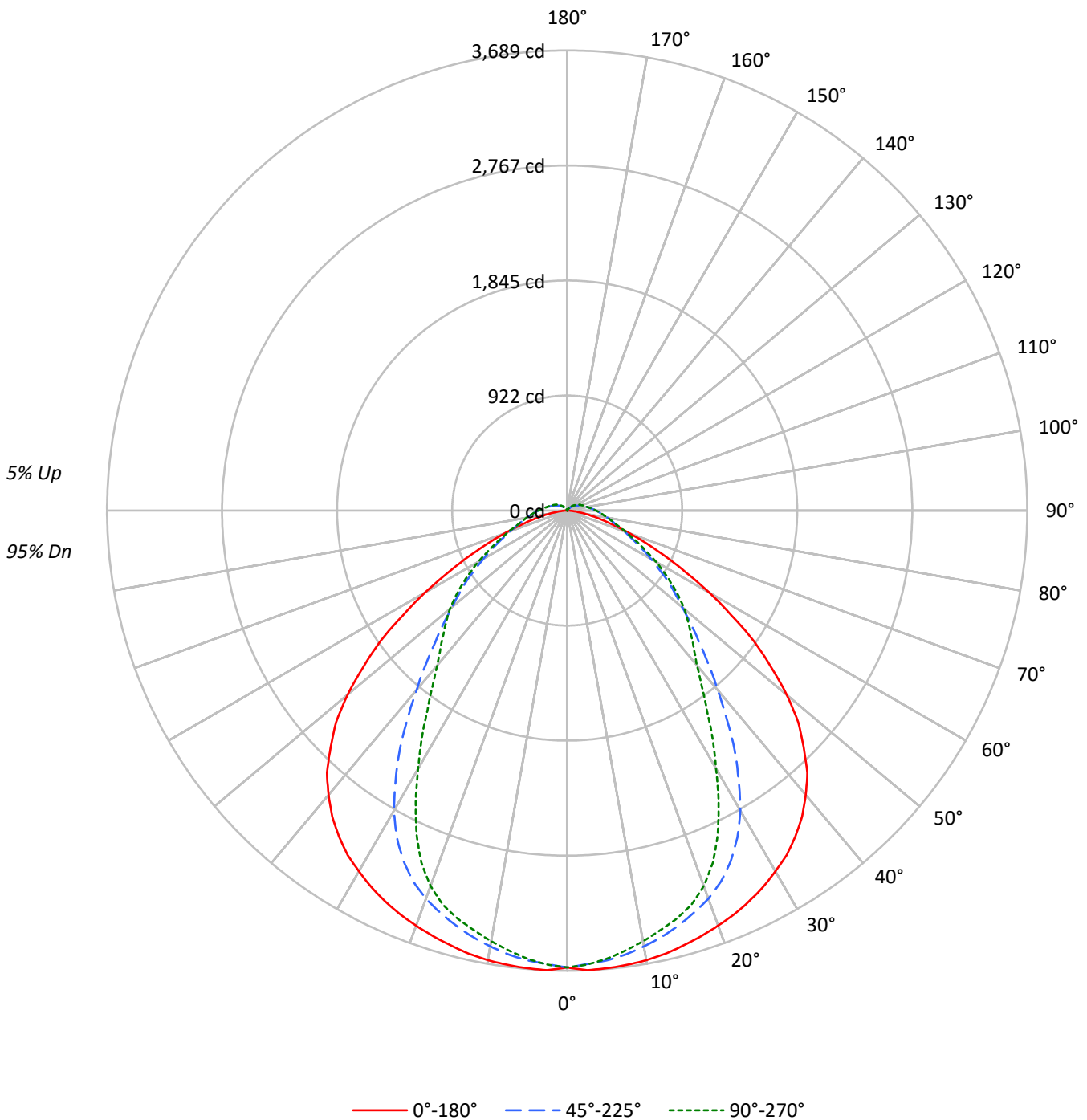
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8375.0 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.6
Input Voltage (V): NR
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21507	21507	21507
5°	21664	20469	20095
10°	21730	19479	18705
15°	21800	18517	17472
20°	21943	17571	16100
25°	22149	16372	14121
30°	22342	14694	11696
35°	22500	12504	9537
40°	22382	10210	7954
45°	21764	8372	6991
50°	20437	6960	6243
55°	18140	5950	5361
60°	14866	4942	4479
65°	11515	4147	3668
70°	8510	3557	3038
75°	6060	3152	2584
80°	4202	2930	2307
85°	2631	2802	2151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.1	4.1
10°-20°	980.2	11.7
20°-30°	1432.1	17.1
30°-40°	1529.6	18.3
40°-50°	1347.9	16.1
50°-60°	1023.5	12.2
60°-70°	652.5	7.8
70°-80°	389.2	4.6
80°-90°	244.5	2.9
90°-100°	161.8	1.9
100°-110°	110.0	1.3
110°-120°	74.0	0.9
120°-130°	45.7	0.5
130°-140°	24.2	0.3
140°-150°	10.5	0.1
150°-160°	3.3	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	2757.4	32.9
0°-40°	4287.0	51.2
0°-60°	6658.4	79.5
0°-90°	7944.7	94.9
90°-120°	345.8	4.1
90°-150°	426.1	5.1
90°-180°	430.0	5.1
0°-180°	8375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3663	3663	3663	3663	3663	
5°	3683	3656	3621	3632	3608	351
15°	3608	3541	3444	3421	3388	1021
25°	3455	3300	3102	2952	2858	1594
35°	3189	2843	2340	2047	1952	1992
45°	2681	2017	1500	1412	1403	2061
55°	1830	1144	986	1021	1022	1619
65°	869	589	610	647	642	878
75°	290	299	392	410	397	323
85°	49	162	273	288	275	60
90°	2	122	231	242	231	3
95°	0	93	193	204	193	0
105°	0	58	135	148	142	0
115°	0	36	93	111	109	0
125°	2	24	62	78	76	2
135°	2	13	38	47	46	1
145°	2	6	20	26	24	1
155°	2	4	7	11	7	1
165°	2	4	4	0	0	1
175°	4	4	4	0	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3663.1	3663.1	3663.1	3663.1	3663.1
2.5°	3688.6	3666.7	3639.4	3657.6	3643.0
5°	3683.1	3655.8	3621.1	3632.1	3608.4
7.5°	3674.0	3639.4	3590.2	3586.5	3559.2
10°	3659.4	3613.9	3548.2	3535.5	3506.3
12.5°	3639.4	3582.9	3500.9	3480.8	3446.2
15°	3608.4	3541.0	3444.4	3420.7	3387.9
17.5°	3577.4	3493.6	3380.6	3351.4	3313.2
20°	3541.0	3438.9	3311.3	3249.4	3202.0
22.5°	3502.7	3376.9	3220.2	3116.3	3054.4
25°	3455.3	3300.4	3101.8	2952.3	2857.5
27.5°	3402.5	3220.2	2956.0	2740.9	2627.9
30°	3338.7	3112.7	2777.4	2507.6	2389.2
32.5°	3274.9	2996.1	2558.7	2278.0	2170.5
35°	3189.2	2843.0	2340.0	2046.6	1951.8
37.5°	3092.6	2671.7	2101.2	1840.6	1771.4
40°	2976.0	2471.2	1877.1	1669.3	1618.3
42.5°	2850.3	2250.7	1682.1	1530.8	1503.5
45°	2680.8	2017.4	1499.8	1412.4	1403.3
47.5°	2513.1	1784.1	1344.9	1308.5	1314.0
50°	2298.1	1552.7	1204.6	1217.4	1226.5
52.5°	2061.2	1339.5	1089.8	1117.1	1124.4
55°	1829.7	1144.5	985.9	1020.6	1022.4
57.5°	1560.0	973.2	872.9	925.8	920.3
60°	1315.8	821.9	776.3	818.3	821.9
62.5°	1075.2	698.0	690.7	727.1	725.3
65°	869.3	588.6	610.5	647.0	641.5
67.5°	690.7	492.1	543.1	574.1	561.3
70°	526.7	417.3	484.8	508.5	501.2
72.5°	395.5	353.5	433.7	455.6	442.8
75°	289.8	298.9	391.8	410.0	397.3
77.5°	207.8	257.0	359.0	370.0	360.8
80°	140.3	218.7	326.2	340.8	326.2
82.5°	89.3	187.7	298.9	311.6	298.9
85°	49.2	162.2	273.4	287.9	275.2
87.5°	21.9	140.3	251.5	264.3	253.3
90°	1.8	122.1	231.4	242.4	231.4
92.5°	0.0	105.7	211.4	224.2	213.2
95°	0.0	92.9	193.2	204.1	193.2
97.5°	0.0	82.0	176.8	187.7	178.6
100°	0.0	72.9	162.2	173.1	164.0
102.5°	0.0	63.8	147.6	160.4	153.1
105°	0.0	58.3	134.9	147.6	142.1
107.5°	0.0	51.0	123.9	138.5	134.9
110°	0.0	45.6	113.0	129.4	125.7



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.9	102.1	120.3	116.6
115°	0.0	36.4	92.9	111.2	109.3
117.5°	0.0	32.8	85.7	102.1	102.1
120°	1.8	29.2	78.4	94.8	92.9
122.5°	1.8	25.5	69.3	85.7	83.8
125°	1.8	23.7	62.0	78.4	76.5
127.5°	1.8	20.0	56.5	69.3	67.4
130°	1.8	18.2	49.2	62.0	60.1
132.5°	1.8	14.6	43.7	54.7	52.9
135°	1.8	12.8	38.3	47.4	45.6
137.5°	1.8	10.9	32.8	41.9	40.1
140°	1.8	9.1	29.2	36.4	34.6
142.5°	1.8	7.3	23.7	31.0	29.2
145°	1.8	5.5	20.0	25.5	23.7
147.5°	1.8	3.6	16.4	21.9	20.0
150°	1.8	3.6	12.8	18.2	16.4
152.5°	1.8	3.6	10.9	14.6	10.9
155°	1.8	3.6	7.3	10.9	7.3
157.5°	1.8	3.6	5.5	7.3	5.5
160°	1.8	3.6	5.5	5.5	1.8
162.5°	1.8	3.6	3.6	1.8	0.0
165°	1.8	3.6	3.6	0.0	0.0
167.5°	1.8	3.6	3.6	0.0	0.0
170°	1.8	3.6	3.6	0.0	0.0
172.5°	1.8	3.6	3.6	0.0	0.0
175°	3.6	3.6	3.6	0.0	0.0
177.5°	1.8	3.6	1.8	0.0	0.0
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)