

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: **4SRL-LD5-60SL-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: 4SRL-LD5-60SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

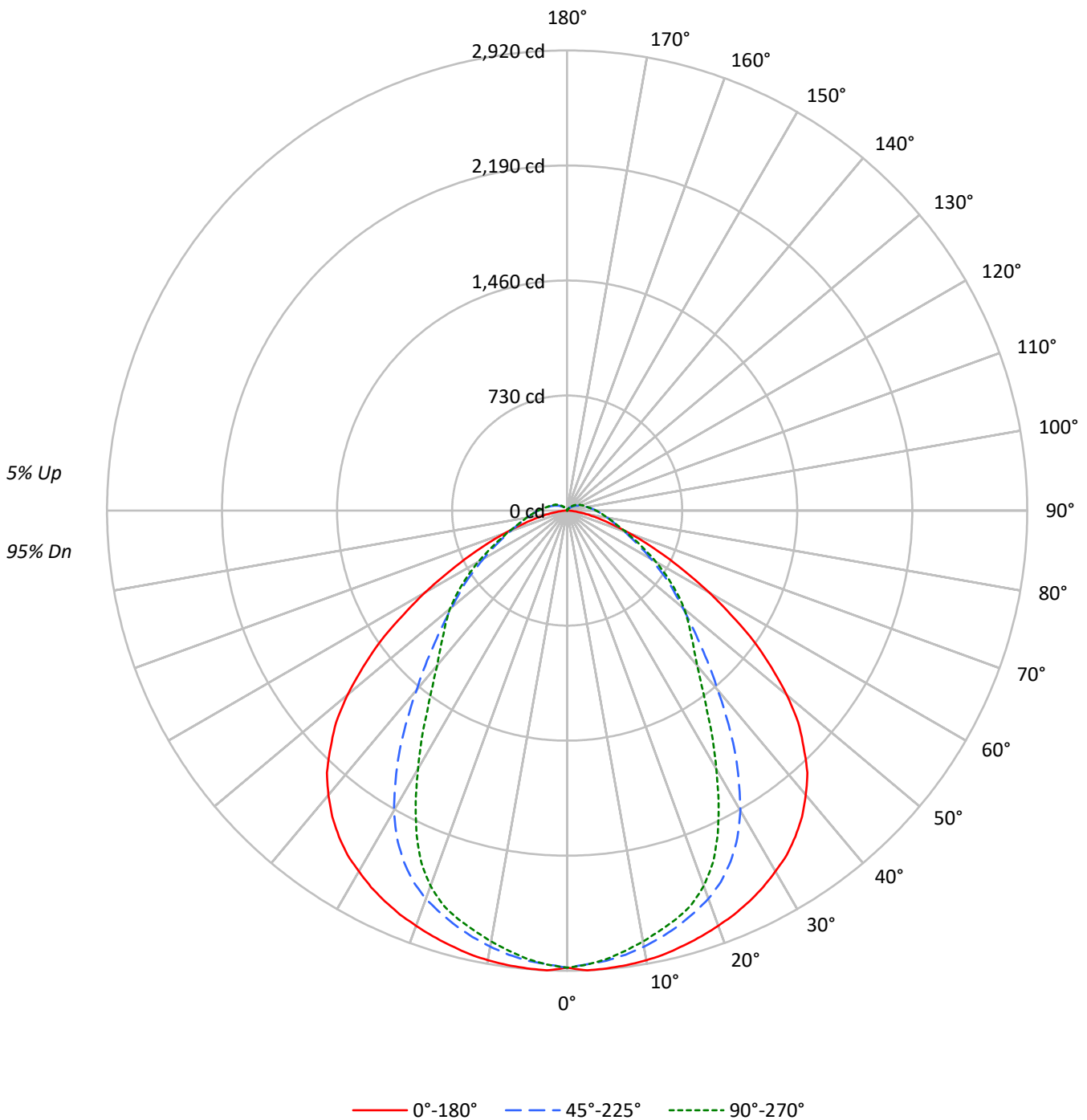
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6631.0 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34057	34057	34057
5°	34237	32369	31820
10°	34273	30766	29620
15°	34314	29211	27667
20°	34464	27688	25494
25°	34710	25768	22362
30°	34925	23100	18521
35°	35080	19635	15103
40°	34792	16015	12595
45°	33714	13116	11070
50°	31531	10889	9886
55°	27850	9296	8489
60°	22681	7711	7093
65°	17426	6458	5808
70°	12727	5528	4811
75°	8898	4888	4092
80°	5973	4530	3653
85°	3458	4316	3406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	4.1
10°-20°	776.1	11.7
20°-30°	1133.9	17.1
30°-40°	1211.0	18.3
40°-50°	1067.2	16.1
50°-60°	810.4	12.2
60°-70°	516.6	7.8
70°-80°	308.2	4.6
80°-90°	193.6	2.9
90°-100°	128.1	1.9
100°-110°	87.1	1.3
110°-120°	58.6	0.9
120°-130°	36.2	0.5
130°-140°	19.1	0.3
140°-150°	8.3	0.1
150°-160°	2.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2183.2	32.9
0°-40°	3394.3	51.2
0°-60°	5271.9	79.5
0°-90°	6290.3	94.9
90°-120°	273.8	4.1
90°-150°	337.4	5.1
90°-180°	341.0	5.1
0°-180°	6631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2900	2900	2900	2900	2900	
5°	2916	2894	2867	2876	2857	278
15°	2857	2804	2727	2708	2682	808
25°	2736	2613	2456	2338	2262	1262
35°	2525	2251	1853	1620	1545	1577
45°	2122	1597	1188	1118	1111	1632
55°	1449	906	781	808	810	1282
65°	688	466	483	512	508	695
75°	229	237	310	325	315	256
85°	39	128	216	228	218	47
90°	1	97	183	192	183	3
95°	0	74	153	162	153	0
105°	0	46	107	117	112	0
115°	0	29	74	88	87	0
125°	1	19	49	62	61	1
135°	1	10	30	38	36	1
145°	1	4	16	20	19	1
155°	1	3	6	9	6	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2900.3	2900.3	2900.3	2900.3	2900.3
2.5°	2920.5	2903.2	2881.5	2895.9	2884.4
5°	2916.1	2894.5	2867.1	2875.7	2857.0
7.5°	2908.9	2881.5	2842.5	2839.7	2818.0
10°	2897.4	2861.3	2809.4	2799.3	2776.2
12.5°	2881.5	2836.8	2771.8	2756.0	2728.6
15°	2857.0	2803.6	2727.1	2708.4	2682.4
17.5°	2832.4	2766.1	2676.6	2653.5	2623.2
20°	2803.6	2722.8	2621.8	2572.7	2535.2
22.5°	2773.3	2673.7	2549.6	2467.4	2418.3
25°	2735.8	2613.1	2455.8	2337.5	2262.5
27.5°	2693.9	2549.6	2340.4	2170.1	2080.7
30°	2643.4	2464.5	2199.0	1985.5	1891.7
32.5°	2592.9	2372.2	2025.9	1803.6	1718.5
35°	2525.1	2251.0	1852.7	1620.4	1545.4
37.5°	2448.6	2115.3	1663.7	1457.3	1402.5
40°	2356.3	1956.6	1486.2	1321.7	1281.3
42.5°	2256.7	1782.0	1331.8	1212.1	1190.4
45°	2122.5	1597.3	1187.5	1118.3	1111.0
47.5°	1989.8	1412.6	1064.9	1036.0	1040.3
50°	1819.5	1229.4	953.8	963.9	971.1
52.5°	1631.9	1060.5	862.9	884.5	890.3
55°	1448.7	906.2	780.6	808.0	809.5
57.5°	1235.1	770.5	691.2	733.0	728.7
60°	1041.8	650.8	614.7	647.9	650.8
62.5°	851.3	552.6	546.9	575.7	574.3
65°	688.3	466.1	483.4	512.2	507.9
67.5°	546.9	389.6	430.0	454.5	444.4
70°	417.0	330.4	383.8	402.6	396.8
72.5°	313.1	279.9	343.4	360.7	350.6
75°	229.4	236.6	310.2	324.7	314.6
77.5°	164.5	203.5	284.3	292.9	285.7
80°	111.1	173.2	258.3	269.8	258.3
82.5°	70.7	148.6	236.6	246.7	236.6
85°	39.0	128.4	216.4	228.0	217.9
87.5°	17.3	111.1	199.1	209.2	200.6
90°	1.4	96.7	183.3	191.9	183.3
92.5°	0.0	83.7	167.4	177.5	168.8
95°	0.0	73.6	152.9	161.6	152.9
97.5°	0.0	64.9	140.0	148.6	141.4
100°	0.0	57.7	128.4	137.1	129.9
102.5°	0.0	50.5	116.9	127.0	121.2
105°	0.0	46.2	106.8	116.9	112.5
107.5°	0.0	40.4	98.1	109.7	106.8
110°	0.0	36.1	89.5	102.4	99.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.2	80.8	95.2	92.3
115°	0.0	28.9	73.6	88.0	86.6
117.5°	0.0	26.0	67.8	80.8	80.8
120°	1.4	23.1	62.0	75.0	73.6
122.5°	1.4	20.2	54.8	67.8	66.4
125°	1.4	18.8	49.1	62.0	60.6
127.5°	1.4	15.9	44.7	54.8	53.4
130°	1.4	14.4	39.0	49.1	47.6
132.5°	1.4	11.5	34.6	43.3	41.8
135°	1.4	10.1	30.3	37.5	36.1
137.5°	1.4	8.7	26.0	33.2	31.7
140°	1.4	7.2	23.1	28.9	27.4
142.5°	1.4	5.8	18.8	24.5	23.1
145°	1.4	4.3	15.9	20.2	18.8
147.5°	1.4	2.9	13.0	17.3	15.9
150°	1.4	2.9	10.1	14.4	13.0
152.5°	1.4	2.9	8.7	11.5	8.7
155°	1.4	2.9	5.8	8.7	5.8
157.5°	1.4	2.9	4.3	5.8	4.3
160°	1.4	2.9	4.3	4.3	1.4
162.5°	1.4	2.9	2.9	1.4	0.0
165°	1.4	2.9	2.9	0.0	0.0
167.5°	1.4	2.9	2.9	0.0	0.0
170°	1.4	2.9	2.9	0.0	0.0
172.5°	1.4	2.9	2.9	0.0	0.0
175°	2.9	2.9	2.9	0.0	0.0
177.5°	1.4	2.9	1.4	0.0	0.0
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)