

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-LD5-61SL-LC-UNV-L830-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 (P35657)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-61SL-LC-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

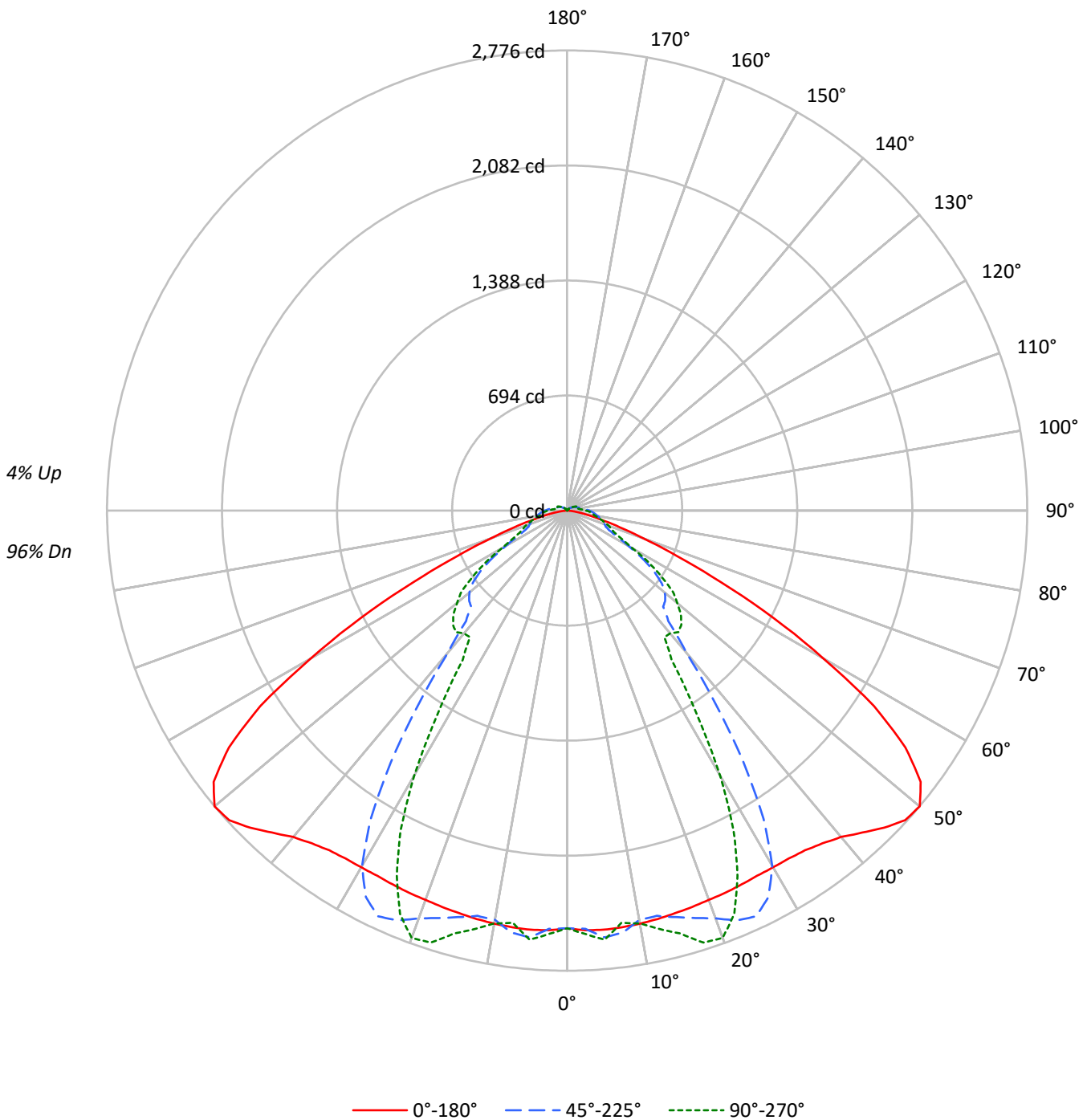
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6077.0 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12  
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<sub>in</sub>): 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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	29589	29589	29589
5°	29798	29180	28946
10°	29929	27454	26982
15°	30203	27199	27247
20°	30721	27638	27581
25°	31575	28330	24034
30°	32830	25994	18084
35°	34755	19658	10742
40°	37953	12040	9505
45°	42970	9048	9700
50°	48115	8791	8828
55°	47894	7625	7300
60°	38887	5381	4945
65°	25859	3723	3587
70°	14916	3454	3237
75°	8196	3391	2748
80°	4532	3251	2347
85°	2066	3205	2310



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.6	4.0
10°-20°	730.6	12.0
20°-30°	1162.7	19.1
30°-40°	1185.0	19.5
40°-50°	1000.8	16.5
50°-60°	771.5	12.7
60°-70°	398.5	6.6
70°-80°	220.2	3.6
80°-90°	140.1	2.3
90°-100°	86.2	1.4
100°-110°	55.6	0.9
110°-120°	40.3	0.7
120°-130°	23.3	0.4
130°-140°	11.3	0.2
140°-150°	4.7	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2136.9	35.2
0°-40°	3322.0	54.7
0°-60°	5094.3	83.8
0°-90°	5853.1	96.3
90°-120°	182.2	3.0
90°-150°	221.4	3.6
90°-180°	224.0	3.7
0°-180°	6077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2520	2520	2520	2520	2520	
5°	2538	2547	2585	2609	2599	242
15°	2515	2516	2539	2630	2642	712
25°	2489	2506	2700	2568	2432	1152
35°	2502	2620	1855	1261	1099	1579
45°	2705	1579	819	945	974	2089
55°	2491	581	640	696	696	2157
65°	1021	266	279	314	314	1054
75°	211	175	215	216	211	255
85°	23	114	161	156	148	32
90°	0	88	134	123	114	1
95°	0	69	106	93	86	0
105°	0	42	70	65	61	0
115°	1	25	51	61	60	1
125°	1	13	32	39	35	1
135°	1	6	18	22	18	1
145°	1	3	9	12	9	1
155°	1	1	4	5	3	1
165°	1	3	3	3	0	0
175°	3	3	3	3	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2534.1	2525.0	2525.0	2557.4	2557.4
5°	2538.0	2547.1	2584.6	2609.3	2598.9
7.5°	2535.4	2576.9	2567.8	2531.5	2508.2
10°	2530.2	2592.4	2506.9	2531.5	2528.9
12.5°	2523.7	2569.1	2504.3	2591.1	2585.9
15°	2514.7	2515.9	2539.3	2630.0	2641.7
17.5°	2506.9	2482.2	2576.9	2698.7	2732.4
20°	2499.1	2471.9	2617.1	2757.0	2742.8
22.5°	2495.2	2481.0	2676.7	2713.0	2633.9
25°	2488.7	2505.6	2700.0	2567.8	2431.7
27.5°	2483.5	2534.1	2628.7	2320.2	2175.0
30°	2484.8	2574.3	2474.5	2029.9	1847.1
32.5°	2488.7	2613.2	2206.2	1641.0	1451.8
35°	2501.7	2619.6	1854.9	1261.2	1099.2
37.5°	2530.2	2548.4	1472.5	998.1	963.1
40°	2570.4	2333.2	1117.3	932.0	967.0
42.5°	2635.2	1971.5	903.5	942.3	994.2
45°	2705.2	1578.8	819.2	944.9	973.5
47.5°	2764.8	1165.3	802.4	909.9	930.7
50°	2776.5	877.5	770.0	854.2	867.2
52.5°	2688.3	693.5	718.1	780.3	803.7
55°	2491.3	580.7	640.3	696.1	696.1
57.5°	2194.5	492.6	537.9	591.1	585.9
60°	1786.2	405.7	429.0	461.5	453.7
62.5°	1405.1	325.3	333.1	368.1	373.3
65°	1021.4	265.7	278.7	313.7	313.7
67.5°	716.8	226.8	251.5	283.9	286.5
70°	488.7	204.8	239.8	265.7	267.0
72.5°	333.1	189.2	228.1	242.4	238.5
75°	211.3	175.0	215.2	216.5	211.3
77.5°	137.4	159.4	202.2	191.8	188.0
80°	84.3	143.9	185.4	172.4	165.9
82.5°	48.0	128.3	172.4	163.3	156.8
85°	23.3	114.1	160.7	155.5	147.8
87.5°	9.1	101.1	147.8	140.0	132.2
90°	0.0	88.1	133.5	123.1	114.1
92.5°	0.0	77.8	119.3	106.3	98.5
95°	0.0	68.7	106.3	93.3	85.6
97.5°	0.0	60.9	94.6	83.0	73.9
100°	0.0	54.4	85.6	73.9	67.4
102.5°	0.0	48.0	76.5	68.7	64.8
105°	0.0	41.5	70.0	64.8	60.9
107.5°	0.0	36.3	63.5	62.2	59.6
110°	0.0	32.4	59.6	60.9	62.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.5	54.4	62.2	63.5
115°	1.3	24.6	50.6	60.9	59.6
117.5°	1.3	20.7	45.4	54.4	51.8
120°	1.3	18.1	41.5	49.3	45.4
122.5°	1.3	15.6	36.3	42.8	40.2
125°	1.3	13.0	32.4	38.9	35.0
127.5°	1.3	11.7	28.5	33.7	31.1
130°	1.3	10.4	24.6	29.8	27.2
132.5°	1.3	7.8	22.0	25.9	22.0
135°	1.3	6.5	18.1	22.0	18.1
137.5°	1.3	5.2	15.6	18.1	15.6
140°	1.3	3.9	13.0	15.6	13.0
142.5°	1.3	3.9	10.4	14.3	10.4
145°	1.3	2.6	9.1	11.7	9.1
147.5°	1.3	2.6	7.8	10.4	7.8
150°	1.3	2.6	6.5	9.1	5.2
152.5°	1.3	1.3	5.2	7.8	3.9
155°	1.3	1.3	3.9	5.2	2.6
157.5°	1.3	1.3	3.9	3.9	2.6
160°	1.3	1.3	3.9	3.9	1.3
162.5°	1.3	1.3	2.6	2.6	0.0
165°	1.3	2.6	2.6	2.6	0.0
167.5°	1.3	2.6	2.6	2.6	0.0
170°	1.3	2.6	2.6	2.6	0.0
172.5°	1.3	2.6	2.6	2.6	0.0
175°	2.6	2.6	2.6	2.6	0.0
177.5°	2.6	2.6	2.6	2.6	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)