

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-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 (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-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

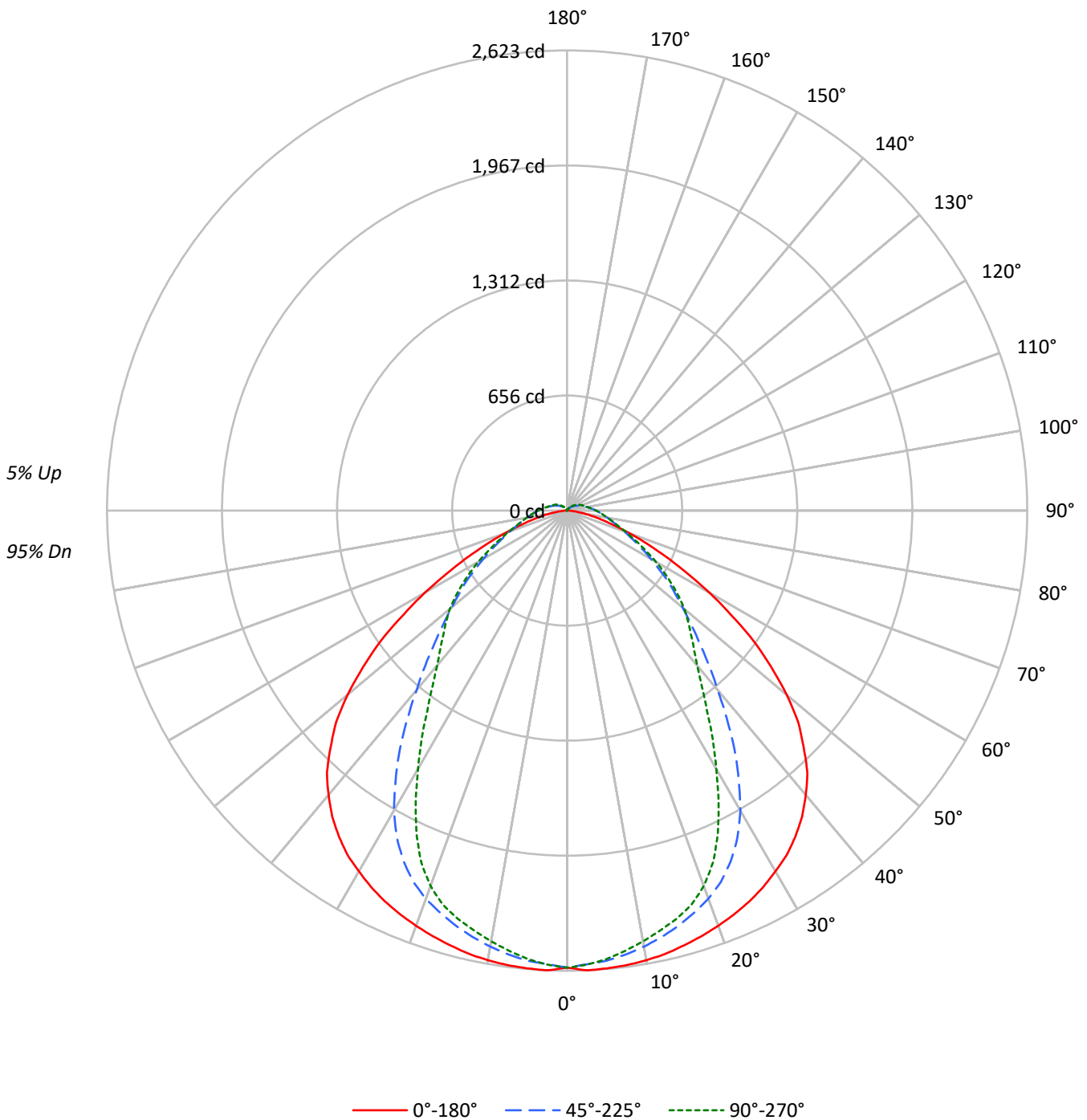
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5956.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 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<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	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°	30589	30589	30589
5°	30752	29074	28581
10°	30783	27634	26605
15°	30821	26238	24850
20°	30955	24869	22898
25°	31177	23146	20086
30°	31370	20749	16635
35°	31510	17636	13566
40°	31250	14384	11313
45°	30283	11780	9943
50°	28321	9781	8879
55°	25015	8350	7625
60°	20371	6926	6371
65°	15651	5800	5217
70°	11433	4965	4321
75°	7994	4390	3674
80°	5366	4069	3281
85°	3103	3877	3059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.4	4.1
10°-20°	697.1	11.7
20°-30°	1018.5	17.1
30°-40°	1087.8	18.3
40°-50°	958.6	16.1
50°-60°	727.9	12.2
60°-70°	464.0	7.8
70°-80°	276.8	4.6
80°-90°	173.9	2.9
90°-100°	115.1	1.9
100°-110°	78.2	1.3
110°-120°	52.6	0.9
120°-130°	32.5	0.5
130°-140°	17.2	0.3
140°-150°	7.4	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1961.0	32.9
0°-40°	3048.7	51.2
0°-60°	4735.2	79.5
0°-90°	5649.9	94.9
90°-120°	245.9	4.1
90°-150°	303.0	5.1
90°-180°	306.0	5.1
0°-180°	5956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2605	2605	2605	2605	2605	
5°	2619	2600	2575	2583	2566	249
15°	2566	2518	2450	2433	2409	726
25°	2457	2347	2206	2100	2032	1134
35°	2268	2022	1664	1455	1388	1417
45°	1906	1435	1067	1004	998	1466
55°	1301	814	701	726	727	1152
65°	618	419	434	460	456	624
75°	206	213	279	292	282	230
85°	35	115	194	205	196	42
90°	1	87	165	172	165	2
95°	0	66	137	145	137	0
105°	0	42	96	105	101	0
115°	0	26	66	79	78	0
125°	1	17	44	56	54	1
135°	1	9	27	34	32	1
145°	1	4	14	18	17	1
155°	1	3	5	8	5	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2605.0	2605.0	2605.0	2605.0	2605.0
2.5°	2623.2	2607.6	2588.2	2601.1	2590.8
5°	2619.3	2599.9	2575.2	2583.0	2566.2
7.5°	2612.8	2588.2	2553.2	2550.6	2531.2
10°	2602.4	2570.0	2523.4	2514.3	2493.6
12.5°	2588.2	2548.0	2489.7	2475.4	2450.8
15°	2566.2	2518.2	2449.5	2432.7	2409.3
17.5°	2544.1	2484.5	2404.1	2383.4	2356.2
20°	2518.2	2445.6	2354.9	2310.8	2277.1
22.5°	2491.0	2401.6	2290.1	2216.2	2172.2
25°	2457.3	2347.1	2205.9	2099.6	2032.2
27.5°	2419.7	2290.1	2102.2	1949.2	1868.9
30°	2374.3	2213.6	1975.2	1783.3	1699.1
32.5°	2329.0	2130.7	1819.6	1620.0	1543.6
35°	2268.1	2021.8	1664.1	1455.4	1388.1
37.5°	2199.4	1900.0	1494.3	1309.0	1259.7
40°	2116.4	1757.4	1334.9	1187.2	1150.9
42.5°	2027.0	1600.6	1196.2	1088.7	1069.2
45°	1906.5	1434.7	1066.6	1004.4	997.9
47.5°	1787.2	1268.8	956.5	930.6	934.4
50°	1634.3	1104.2	856.7	865.8	872.2
52.5°	1465.8	952.6	775.0	794.5	799.7
55°	1301.2	813.9	701.2	725.8	727.1
57.5°	1109.4	692.1	620.8	658.4	654.5
60°	935.7	584.5	552.1	581.9	584.5
62.5°	764.7	496.4	491.2	517.1	515.8
65°	618.2	418.6	434.2	460.1	456.2
67.5°	491.2	349.9	386.2	408.3	399.2
70°	374.6	296.8	344.7	361.6	356.4
72.5°	281.2	251.4	308.5	324.0	314.9
75°	206.1	212.6	278.6	291.6	282.5
77.5°	147.7	182.7	255.3	263.1	256.6
80°	99.8	155.5	232.0	242.4	232.0
82.5°	63.5	133.5	212.6	221.6	212.6
85°	35.0	115.3	194.4	204.8	195.7
87.5°	15.6	99.8	178.9	187.9	180.1
90°	1.3	86.8	164.6	172.4	164.6
92.5°	0.0	75.2	150.3	159.4	151.6
95°	0.0	66.1	137.4	145.2	137.4
97.5°	0.0	58.3	125.7	133.5	127.0
100°	0.0	51.8	115.3	123.1	116.6
102.5°	0.0	45.4	105.0	114.1	108.9
105°	0.0	41.5	95.9	105.0	101.1
107.5°	0.0	36.3	88.1	98.5	95.9
110°	0.0	32.4	80.4	92.0	89.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.8	72.6	85.5	82.9
115°	0.0	25.9	66.1	79.1	77.8
117.5°	0.0	23.3	60.9	72.6	72.6
120°	1.3	20.7	55.7	67.4	66.1
122.5°	1.3	18.1	49.2	60.9	59.6
125°	1.3	16.8	44.1	55.7	54.4
127.5°	1.3	14.3	40.2	49.2	48.0
130°	1.3	13.0	35.0	44.1	42.8
132.5°	1.3	10.4	31.1	38.9	37.6
135°	1.3	9.1	27.2	33.7	32.4
137.5°	1.3	7.8	23.3	29.8	28.5
140°	1.3	6.5	20.7	25.9	24.6
142.5°	1.3	5.2	16.8	22.0	20.7
145°	1.3	3.9	14.3	18.1	16.8
147.5°	1.3	2.6	11.7	15.6	14.3
150°	1.3	2.6	9.1	13.0	11.7
152.5°	1.3	2.6	7.8	10.4	7.8
155°	1.3	2.6	5.2	7.8	5.2
157.5°	1.3	2.6	3.9	5.2	3.9
160°	1.3	2.6	3.9	3.9	1.3
162.5°	1.3	2.6	2.6	1.3	0.0
165°	1.3	2.6	2.6	0.0	0.0
167.5°	1.3	2.6	2.6	0.0	0.0
170°	1.3	2.6	2.6	0.0	0.0
172.5°	1.3	2.6	2.6	0.0	0.0
175°	2.6	2.6	2.6	0.0	0.0
177.5°	1.3	2.6	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)