

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-LD5-56SL-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-LD5-56SL-LC-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

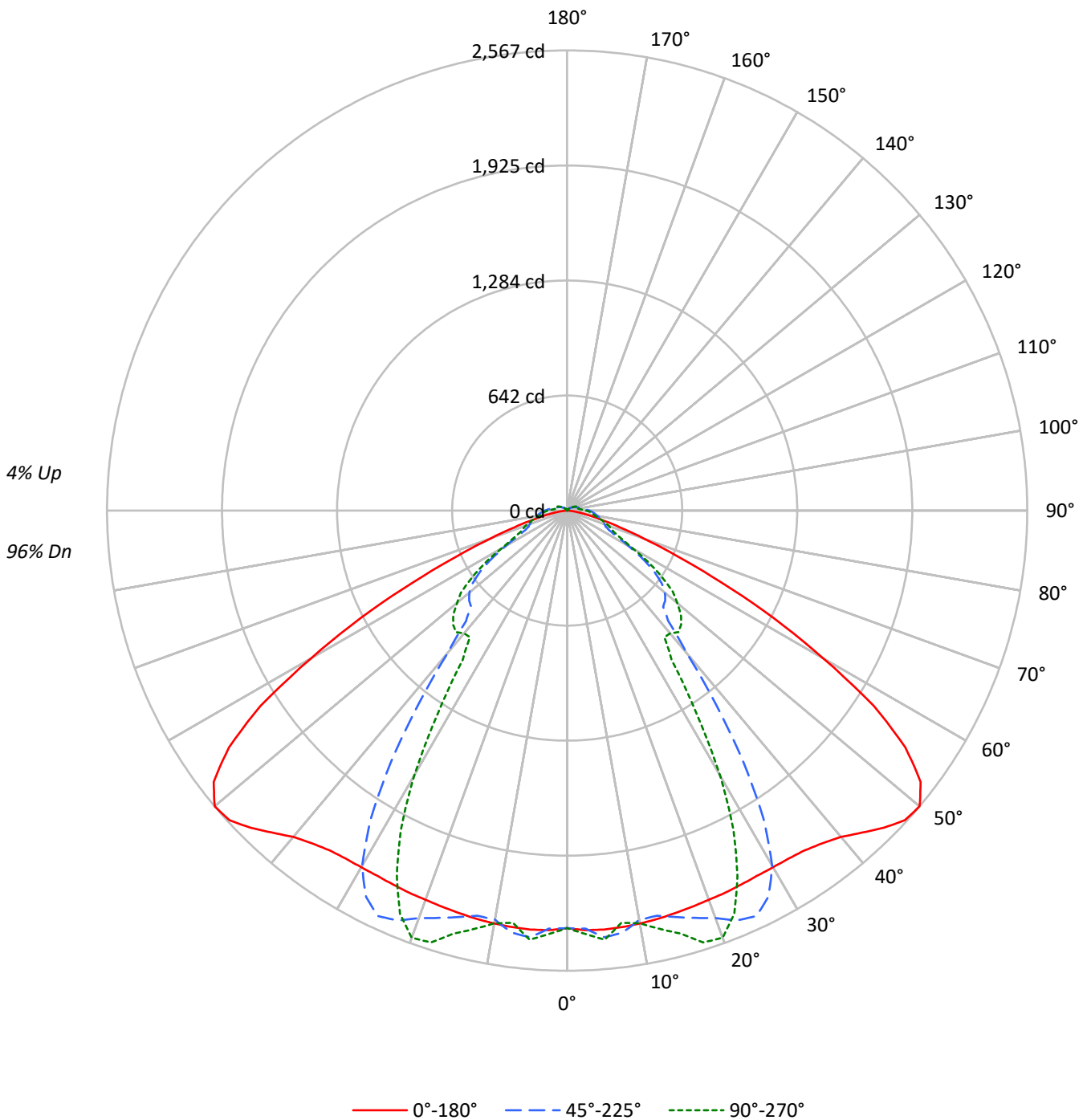
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5618.1 lumens  
Efficiency: N/A  
Efficacy: 130.3 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): 43.1  
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°	27354	27354	27354
5°	27547	26976	26759
10°	27669	25379	24944
15°	27921	25145	25189
20°	28400	25550	25498
25°	29191	26191	22219
30°	30351	24031	16718
35°	32130	18174	9931
40°	35086	11130	8787
45°	39725	8364	8966
50°	44481	8126	8161
55°	44277	7050	6749
60°	35950	4975	4571
65°	23907	3441	3316
70°	13789	3193	2994
75°	7576	3134	2540
80°	4188	3006	2170
85°	1915	2964	2135



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.2	4.0
10°-20°	675.4	12.0
20°-30°	1074.9	19.1
30°-40°	1095.5	19.5
40°-50°	925.3	16.5
50°-60°	713.2	12.7
60°-70°	368.4	6.6
70°-80°	203.6	3.6
80°-90°	129.6	2.3
90°-100°	79.7	1.4
100°-110°	51.4	0.9
110°-120°	37.3	0.7
120°-130°	21.5	0.4
130°-140°	10.4	0.2
140°-150°	4.4	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1975.5	35.2
0°-40°	3071.0	54.7
0°-60°	4709.5	83.8
0°-90°	5411.1	96.3
90°-120°	168.4	3.0
90°-150°	204.7	3.6
90°-180°	207.0	3.7
0°-180°	5618.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2346	2355	2389	2412	2403	224
15°	2325	2326	2348	2431	2442	659
25°	2301	2316	2496	2374	2248	1065
35°	2313	2422	1715	1166	1016	1460
45°	2501	1460	757	874	900	1931
55°	2303	537	592	644	644	1994
65°	944	246	258	290	290	974
75°	195	162	199	200	195	235
85°	22	106	149	144	137	30
90°	0	82	123	114	106	1
95°	0	64	98	86	79	0
105°	0	38	65	60	56	0
115°	1	23	47	56	55	1
125°	1	12	30	36	32	1
135°	1	6	17	20	17	1
145°	1	2	8	11	8	1
155°	1	1	4	5	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2329.5	2329.5	2329.5	2329.5	2329.5
2.5°	2342.7	2334.3	2334.3	2364.3	2364.3
5°	2346.3	2354.7	2389.4	2412.2	2402.6
7.5°	2343.9	2382.2	2373.9	2340.3	2318.7
10°	2339.1	2396.6	2317.5	2340.3	2337.9
12.5°	2333.1	2375.0	2315.1	2395.4	2390.6
15°	2324.7	2325.9	2347.5	2431.4	2442.2
17.5°	2317.5	2294.8	2382.2	2494.9	2526.0
20°	2310.3	2285.2	2419.4	2548.8	2535.6
22.5°	2306.7	2293.6	2474.5	2508.1	2435.0
25°	2300.8	2316.3	2496.1	2373.9	2248.0
27.5°	2296.0	2342.7	2430.2	2145.0	2010.8
30°	2297.2	2379.8	2287.6	1876.6	1707.6
32.5°	2300.8	2415.8	2039.5	1517.1	1342.1
35°	2312.7	2421.8	1714.8	1166.0	1016.2
37.5°	2339.1	2355.9	1361.3	922.7	890.3
40°	2376.2	2157.0	1032.9	861.6	893.9
42.5°	2436.2	1822.6	835.2	871.2	919.1
45°	2500.9	1459.5	757.3	873.6	899.9
47.5°	2556.0	1077.3	741.8	841.2	860.4
50°	2566.8	811.3	711.8	789.7	801.7
52.5°	2485.3	641.1	663.9	721.4	743.0
55°	2303.2	536.8	592.0	643.5	643.5
57.5°	2028.7	455.4	497.3	546.4	541.6
60°	1651.3	375.1	396.6	426.6	419.4
62.5°	1299.0	300.8	308.0	340.3	345.1
65°	944.3	245.7	257.6	290.0	290.0
67.5°	662.7	209.7	232.5	262.4	264.8
70°	451.8	189.3	221.7	245.7	246.9
72.5°	308.0	175.0	210.9	224.1	220.5
75°	195.3	161.8	198.9	200.1	195.3
77.5°	127.0	147.4	186.9	177.3	173.8
80°	77.9	133.0	171.4	159.4	153.4
82.5°	44.3	118.6	159.4	151.0	145.0
85°	21.6	105.5	148.6	143.8	136.6
87.5°	8.4	93.5	136.6	129.4	122.2
90°	0.0	81.5	123.4	113.8	105.5
92.5°	0.0	71.9	110.2	98.3	91.1
95°	0.0	63.5	98.3	86.3	79.1
97.5°	0.0	56.3	87.5	76.7	68.3
100°	0.0	50.3	79.1	68.3	62.3
102.5°	0.0	44.3	70.7	63.5	59.9
105°	0.0	38.3	64.7	59.9	56.3
107.5°	0.0	33.6	58.7	57.5	55.1
110°	0.0	30.0	55.1	56.3	57.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.4	50.3	57.5	58.7
115°	1.2	22.8	46.7	56.3	55.1
117.5°	1.2	19.2	41.9	50.3	47.9
120°	1.2	16.8	38.3	45.5	41.9
122.5°	1.2	14.4	33.6	39.5	37.1
125°	1.2	12.0	30.0	35.9	32.4
127.5°	1.2	10.8	26.4	31.2	28.8
130°	1.2	9.6	22.8	27.6	25.2
132.5°	1.2	7.2	20.4	24.0	20.4
135°	1.2	6.0	16.8	20.4	16.8
137.5°	1.2	4.8	14.4	16.8	14.4
140°	1.2	3.6	12.0	14.4	12.0
142.5°	1.2	3.6	9.6	13.2	9.6
145°	1.2	2.4	8.4	10.8	8.4
147.5°	1.2	2.4	7.2	9.6	7.2
150°	1.2	2.4	6.0	8.4	4.8
152.5°	1.2	1.2	4.8	7.2	3.6
155°	1.2	1.2	3.6	4.8	2.4
157.5°	1.2	1.2	3.6	3.6	2.4
160°	1.2	1.2	3.6	3.6	1.2
162.5°	1.2	1.2	2.4	2.4	0.0
165°	1.2	2.4	2.4	2.4	0.0
167.5°	1.2	2.4	2.4	2.4	0.0
170°	1.2	2.4	2.4	2.4	0.0
172.5°	1.2	2.4	2.4	2.4	0.0
175°	2.4	2.4	2.4	2.4	0.0
177.5°	2.4	2.4	2.4	2.4	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)