

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-LD5-53SL-LC-UNV-L835-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-LD5-53SL-LC-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

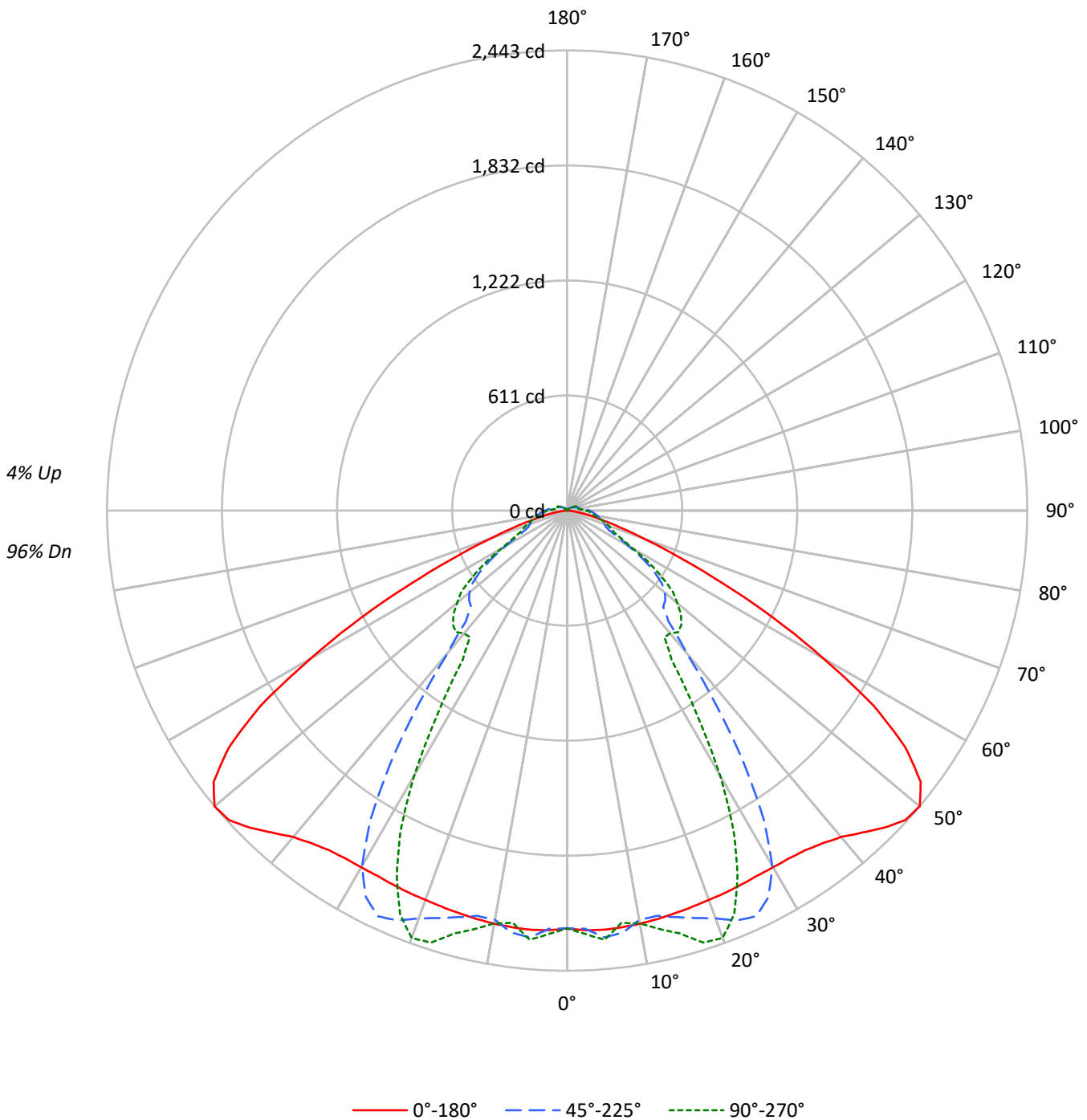
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5348.0 lumens  
Efficiency: N/A  
Efficacy: 134.0 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): 39.9  
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	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29

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

	0°	45°	90°
0°	26040	26040	26040
5°	26223	25680	25473
10°	26339	24159	23745
15°	26579	23937	23978
20°	27035	24322	24273
25°	27788	24931	21151
30°	28893	22876	15915
35°	30586	17300	9453
40°	33400	10596	8365
45°	37816	7962	8536
50°	42342	7736	7768
55°	42149	6710	6424
60°	34222	4737	4352
65°	22758	3277	3157
70°	13127	3039	2849
75°	7211	2984	2418
80°	3984	2860	2065
85°	1818	2820	2032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.4	4.0
10°-20°	642.9	12.0
20°-30°	1023.3	19.1
30°-40°	1042.9	19.5
40°-50°	880.8	16.5
50°-60°	678.9	12.7
60°-70°	350.7	6.6
70°-80°	193.8	3.6
80°-90°	123.3	2.3
90°-100°	75.9	1.4
100°-110°	48.9	0.9
110°-120°	35.5	0.7
120°-130°	20.5	0.4
130°-140°	9.9	0.2
140°-150°	4.1	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1880.6	35.2
0°-40°	2923.4	54.7
0°-60°	4483.2	83.8
0°-90°	5151.0	96.3
90°-120°	160.3	3.0
90°-150°	194.8	3.6
90°-180°	197.0	3.7
0°-180°	5348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2218	2218	2218	2218	2218	
5°	2234	2242	2275	2296	2287	213
15°	2213	2214	2235	2314	2325	627
25°	2190	2205	2376	2260	2140	1014
35°	2202	2305	1632	1110	967	1390
45°	2381	1389	721	832	857	1839
55°	2192	511	564	613	613	1898
65°	899	234	245	276	276	927
75°	186	154	189	190	186	224
85°	20	100	141	137	130	28
90°	0	78	118	108	100	1
95°	0	60	94	82	75	0
105°	0	36	62	57	54	0
115°	1	22	44	54	52	1
125°	1	11	28	34	31	1
135°	1	6	16	19	16	1
145°	1	2	8	10	8	1
155°	1	1	3	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°	2217.6	2217.6	2217.6	2217.6	2217.6
2.5°	2230.1	2222.1	2222.1	2250.6	2250.6
5°	2233.5	2241.5	2274.6	2296.3	2287.1
7.5°	2231.2	2267.7	2259.8	2227.8	2207.3
10°	2226.7	2281.4	2206.1	2227.8	2225.5
12.5°	2221.0	2260.9	2203.9	2280.3	2275.7
15°	2213.0	2214.1	2234.7	2314.5	2324.8
17.5°	2206.1	2184.5	2267.7	2375.0	2404.6
20°	2199.3	2175.4	2303.1	2426.3	2413.8
22.5°	2195.9	2183.3	2355.6	2387.5	2317.9
25°	2190.2	2205.0	2376.1	2259.8	2140.0
27.5°	2185.6	2230.1	2313.4	2041.9	1914.1
30°	2186.8	2265.5	2177.6	1786.4	1625.5
32.5°	2190.2	2299.7	1941.5	1444.1	1277.6
35°	2201.6	2305.4	1632.4	1109.9	967.3
37.5°	2226.7	2242.7	1295.9	878.4	847.6
40°	2262.0	2053.3	983.3	820.2	851.0
42.5°	2319.1	1735.0	795.1	829.3	874.9
45°	2380.7	1389.4	720.9	831.6	856.7
47.5°	2433.2	1025.5	706.1	800.8	819.0
50°	2443.4	772.3	677.6	751.7	763.1
52.5°	2365.9	610.3	632.0	686.7	707.2
55°	2192.5	511.0	563.5	612.6	612.6
57.5°	1931.2	433.5	473.4	520.2	515.6
60°	1571.9	357.0	377.6	406.1	399.3
62.5°	1236.5	286.3	293.2	324.0	328.5
65°	898.9	233.8	245.3	276.1	276.1
67.5°	630.8	199.6	221.3	249.8	252.1
70°	430.1	180.2	211.0	233.8	235.0
72.5°	293.2	166.5	200.8	213.3	209.9
75°	185.9	154.0	189.4	190.5	185.9
77.5°	120.9	140.3	178.0	168.8	165.4
80°	74.1	126.6	163.1	151.7	146.0
82.5°	42.2	112.9	151.7	143.7	138.0
85°	20.5	100.4	141.4	136.9	130.0
87.5°	8.0	89.0	130.0	123.2	116.4
90°	0.0	77.6	117.5	108.4	100.4
92.5°	0.0	68.4	104.9	93.5	86.7
95°	0.0	60.5	93.5	82.1	75.3
97.5°	0.0	53.6	83.3	73.0	65.0
100°	0.0	47.9	75.3	65.0	59.3
102.5°	0.0	42.2	67.3	60.5	57.0
105°	0.0	36.5	61.6	57.0	53.6
107.5°	0.0	31.9	55.9	54.8	52.5
110°	0.0	28.5	52.5	53.6	54.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.1	47.9	54.8	55.9
115°	1.1	21.7	44.5	53.6	52.5
117.5°	1.1	18.3	39.9	47.9	45.6
120°	1.1	16.0	36.5	43.3	39.9
122.5°	1.1	13.7	31.9	37.6	35.4
125°	1.1	11.4	28.5	34.2	30.8
127.5°	1.1	10.3	25.1	29.7	27.4
130°	1.1	9.1	21.7	26.2	24.0
132.5°	1.1	6.8	19.4	22.8	19.4
135°	1.1	5.7	16.0	19.4	16.0
137.5°	1.1	4.6	13.7	16.0	13.7
140°	1.1	3.4	11.4	13.7	11.4
142.5°	1.1	3.4	9.1	12.5	9.1
145°	1.1	2.3	8.0	10.3	8.0
147.5°	1.1	2.3	6.8	9.1	6.8
150°	1.1	2.3	5.7	8.0	4.6
152.5°	1.1	1.1	4.6	6.8	3.4
155°	1.1	1.1	3.4	4.6	2.3
157.5°	1.1	1.1	3.4	3.4	2.3
160°	1.1	1.1	3.4	3.4	1.1
162.5°	1.1	1.1	2.3	2.3	0.0
165°	1.1	2.3	2.3	2.3	0.0
167.5°	1.1	2.3	2.3	2.3	0.0
170°	1.1	2.3	2.3	2.3	0.0
172.5°	1.1	2.3	2.3	2.3	0.0
175°	2.3	2.3	2.3	2.3	0.0
177.5°	2.3	2.3	2.3	2.3	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)