

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: **8SRL-LD5-74SL-LN-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 (P35658)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SRL-LD5-74SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

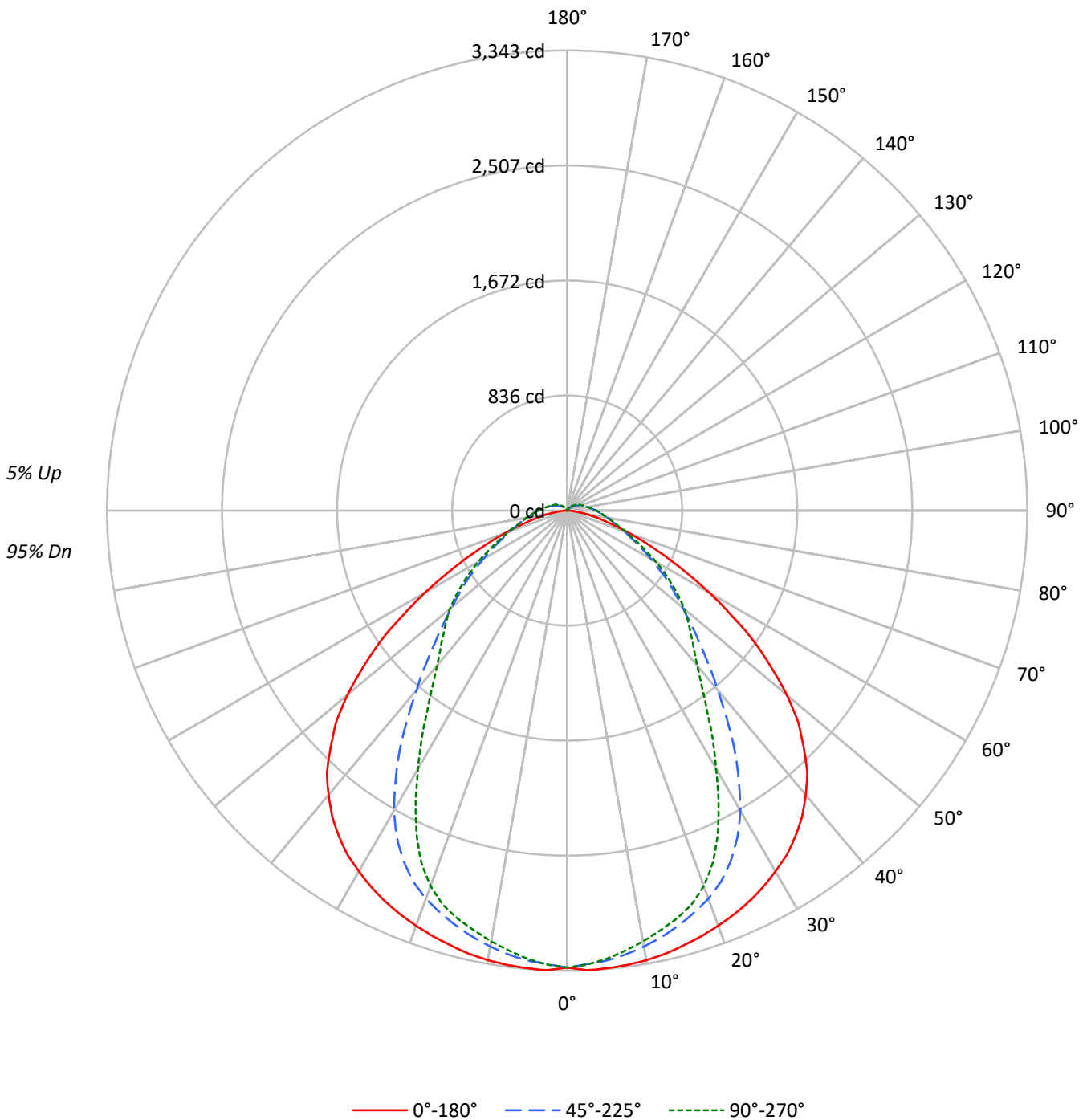
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7590.0 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 53.6  
Input Voltage (V): NR  
Input Current (Ain): 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°	19491	19491	19491
5°	19633	18550	18211
10°	19693	17654	16952
15°	19757	16782	15834
20°	19886	15925	14591
25°	20073	14837	12798
30°	20247	13316	10599
35°	20392	11332	8644
40°	20285	9253	7208
45°	19724	7588	6335
50°	18522	6307	5657
55°	16440	5392	4858
60°	13473	4480	4059
65°	10436	3758	3324
70°	7712	3224	2753
75°	5491	2857	2341
80°	3810	2655	2091
85°	2385	2539	1949



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.8	4.1
10°-20°	888.3	11.7
20°-30°	1297.9	17.1
30°-40°	1386.2	18.3
40°-50°	1221.6	16.1
50°-60°	927.6	12.2
60°-70°	591.4	7.8
70°-80°	352.7	4.6
80°-90°	221.6	2.9
90°-100°	146.7	1.9
100°-110°	99.7	1.3
110°-120°	67.0	0.9
120°-130°	41.4	0.5
130°-140°	21.9	0.3
140°-150°	9.5	0.1
150°-160°	3.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2499.0	32.9
0°-40°	3885.1	51.2
0°-60°	6034.3	79.5
0°-90°	7200.0	94.9
90°-120°	313.4	4.1
90°-150°	386.2	5.1
90°-180°	390.0	5.1
0°-180°	7590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3320	3320	3320	3320	3320	
5°	3338	3313	3282	3292	3270	318
15°	3270	3209	3122	3100	3070	925
25°	3131	2991	2811	2676	2590	1445
35°	2890	2576	2121	1855	1769	1806
45°	2430	1828	1359	1280	1272	1868
55°	1658	1037	894	925	926	1468
65°	788	534	553	586	581	795
75°	263	271	355	372	360	293
85°	45	147	248	261	249	54
90°	2	111	210	220	210	3
95°	0	84	175	185	175	0
105°	0	53	122	134	129	0
115°	0	33	84	101	99	0
125°	2	22	56	71	69	2
135°	2	12	35	43	41	1
145°	2	5	18	23	22	1
155°	2	3	7	10	7	1
165°	2	3	3	0	0	0
175°	3	3	3	0	0	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3319.7	3319.7	3319.7	3319.7	3319.7
2.5°	3342.8	3323.0	3298.2	3314.8	3301.5
5°	3337.9	3313.1	3281.7	3291.6	3270.2
7.5°	3329.6	3298.2	3253.6	3250.3	3225.6
10°	3316.4	3275.1	3215.7	3204.1	3177.7
12.5°	3298.2	3247.0	3172.7	3154.6	3123.2
15°	3270.2	3209.1	3121.5	3100.1	3070.3
17.5°	3242.1	3166.1	3063.7	3037.3	3002.6
20°	3209.1	3116.6	3001.0	2944.8	2901.9
22.5°	3174.4	3060.4	2918.4	2824.2	2768.1
25°	3131.4	2991.0	2811.0	2675.6	2589.7
27.5°	3083.5	2918.4	2678.9	2484.0	2381.6
30°	3025.7	2820.9	2517.0	2272.6	2165.2
32.5°	2967.9	2715.2	2318.8	2064.5	1967.1
35°	2890.3	2576.5	2120.7	1854.7	1768.9
37.5°	2802.8	2421.2	1904.3	1668.1	1605.4
40°	2697.1	2239.6	1701.1	1512.9	1466.6
42.5°	2583.1	2039.7	1524.4	1387.3	1362.6
45°	2429.5	1828.3	1359.3	1280.0	1271.7
47.5°	2277.6	1616.9	1218.9	1185.8	1190.8
50°	2082.7	1407.2	1091.7	1103.3	1111.5
52.5°	1868.0	1213.9	987.7	1012.4	1019.0
55°	1658.2	1037.2	893.5	924.9	926.5
57.5°	1413.8	882.0	791.1	839.0	834.1
60°	1192.5	744.9	703.6	741.6	744.9
62.5°	974.4	632.6	626.0	659.0	657.3
65°	787.8	533.5	553.3	586.3	581.4
67.5°	626.0	445.9	492.2	520.3	508.7
70°	477.3	378.2	439.3	460.8	454.2
72.5°	358.4	320.4	393.1	412.9	401.3
75°	262.6	270.9	355.1	371.6	360.0
77.5°	188.3	232.9	325.4	335.3	327.0
80°	127.2	198.2	295.6	308.8	295.6
82.5°	80.9	170.1	270.9	282.4	270.9
85°	44.6	147.0	247.7	261.0	249.4
87.5°	19.8	127.2	227.9	239.5	229.6
90°	1.7	110.7	209.8	219.7	209.8
92.5°	0.0	95.8	191.6	203.1	193.2
95°	0.0	84.2	175.1	185.0	175.1
97.5°	0.0	74.3	160.2	170.1	161.9
100°	0.0	66.1	147.0	156.9	148.6
102.5°	0.0	57.8	133.8	145.3	138.7
105°	0.0	52.9	122.2	133.8	128.8
107.5°	0.0	46.2	112.3	125.5	122.2
110°	0.0	41.3	102.4	117.3	114.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.0	92.5	109.0	105.7
115°	0.0	33.0	84.2	100.7	99.1
117.5°	0.0	29.7	77.6	92.5	92.5
120°	1.7	26.4	71.0	85.9	84.2
122.5°	1.7	23.1	62.8	77.6	76.0
125°	1.7	21.5	56.2	71.0	69.4
127.5°	1.7	18.2	51.2	62.8	61.1
130°	1.7	16.5	44.6	56.2	54.5
132.5°	1.7	13.2	39.6	49.5	47.9
135°	1.7	11.6	34.7	42.9	41.3
137.5°	1.7	9.9	29.7	38.0	36.3
140°	1.7	8.3	26.4	33.0	31.4
142.5°	1.7	6.6	21.5	28.1	26.4
145°	1.7	5.0	18.2	23.1	21.5
147.5°	1.7	3.3	14.9	19.8	18.2
150°	1.7	3.3	11.6	16.5	14.9
152.5°	1.7	3.3	9.9	13.2	9.9
155°	1.7	3.3	6.6	9.9	6.6
157.5°	1.7	3.3	5.0	6.6	5.0
160°	1.7	3.3	5.0	5.0	1.7
162.5°	1.7	3.3	3.3	1.7	0.0
165°	1.7	3.3	3.3	0.0	0.0
167.5°	1.7	3.3	3.3	0.0	0.0
170°	1.7	3.3	3.3	0.0	0.0
172.5°	1.7	3.3	3.3	0.0	0.0
175°	3.3	3.3	3.3	0.0	0.0
177.5°	1.7	3.3	1.7	0.0	0.0
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)