

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-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: 4SRL-LD5-60SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

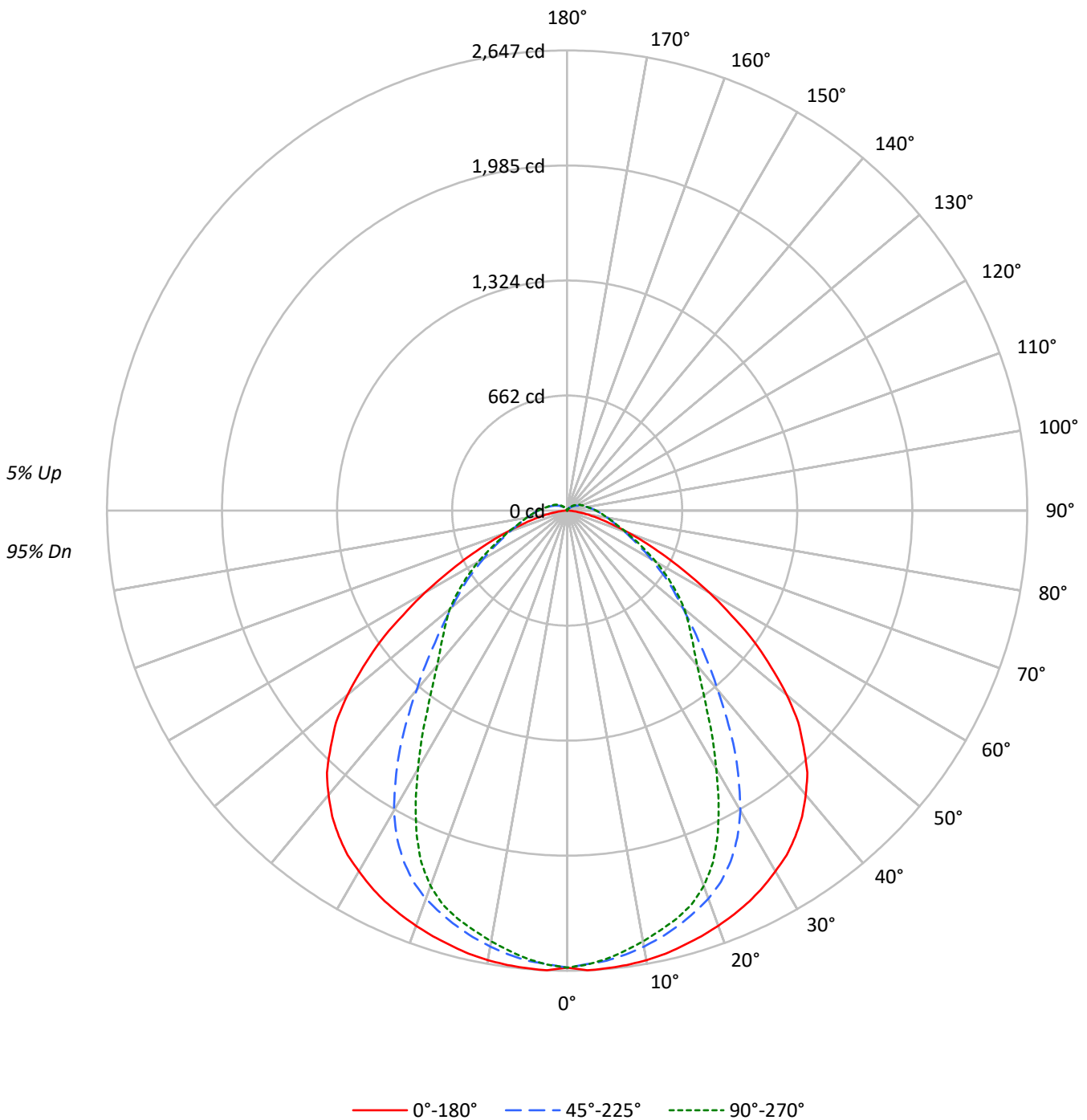
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6010.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

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

	0°	45°	90°
0°	30867	30867	30867
5°	31030	29338	28840
10°	31062	27885	26846
15°	31100	26475	25076
20°	31236	25095	23107
25°	31460	23355	20268
30°	31655	20937	16786
35°	31795	17796	13688
40°	31533	14515	11415
45°	30558	11887	10033
50°	28578	9869	8959
55°	25242	8425	7694
60°	20556	6988	6428
65°	15793	5853	5264
70°	11537	5011	4360
75°	8064	4431	3708
80°	5414	4106	3311
85°	3130	3913	3087



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.7	4.1
10°-20°	703.4	11.7
20°-30°	1027.7	17.1
30°-40°	1097.6	18.3
40°-50°	967.3	16.1
50°-60°	734.5	12.2
60°-70°	468.3	7.8
70°-80°	279.3	4.6
80°-90°	175.5	2.9
90°-100°	116.1	1.9
100°-110°	78.9	1.3
110°-120°	53.1	0.9
120°-130°	32.8	0.5
130°-140°	17.3	0.3
140°-150°	7.5	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1978.8	32.9
0°-40°	3076.4	51.2
0°-60°	4778.1	79.5
0°-90°	5701.2	94.9
90°-120°	248.1	4.1
90°-150°	305.8	5.1
90°-180°	309.0	5.1
0°-180°	6010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2629	2629	2629	2629	2629	
5°	2643	2623	2599	2606	2589	252
15°	2589	2541	2472	2455	2431	732
25°	2480	2368	2226	2119	2051	1144
35°	2289	2040	1679	1469	1401	1430
45°	1924	1448	1076	1014	1007	1479
55°	1313	821	708	732	734	1162
65°	624	422	438	464	460	630
75°	208	214	281	294	285	232
85°	35	116	196	207	198	43
90°	1	88	166	174	166	3
95°	0	67	139	146	139	0
105°	0	42	97	106	102	0
115°	0	26	67	80	78	0
125°	1	17	44	56	55	1
135°	1	9	28	34	33	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°	2628.7	2628.7	2628.7	2628.7	2628.7
2.5°	2647.0	2631.3	2611.7	2624.7	2614.3
5°	2643.0	2623.4	2598.6	2606.4	2589.4
7.5°	2636.5	2611.7	2576.3	2573.7	2554.1
10°	2626.0	2593.3	2546.3	2537.1	2516.2
12.5°	2611.7	2571.1	2512.3	2497.9	2473.0
15°	2589.4	2541.0	2471.7	2454.7	2431.2
17.5°	2567.2	2507.0	2425.9	2405.0	2377.6
20°	2541.0	2467.8	2376.3	2331.8	2297.8
22.5°	2513.6	2423.3	2310.9	2236.3	2191.9
25°	2479.6	2368.4	2225.9	2118.6	2050.6
27.5°	2441.6	2310.9	2121.2	1966.9	1885.8
30°	2395.9	2233.7	1993.1	1799.5	1714.5
32.5°	2350.1	2150.0	1836.1	1634.7	1557.6
35°	2288.6	2040.1	1679.2	1468.6	1400.6
37.5°	2219.3	1917.2	1507.9	1320.9	1271.2
40°	2135.6	1773.4	1347.0	1197.9	1161.3
42.5°	2045.4	1615.1	1207.1	1098.5	1078.9
45°	1923.8	1447.7	1076.3	1013.5	1007.0
47.5°	1803.4	1280.3	965.1	939.0	942.9
50°	1649.1	1114.2	864.4	873.6	880.1
52.5°	1479.1	961.2	782.1	801.7	806.9
55°	1313.0	821.3	707.5	732.4	733.7
57.5°	1119.5	698.4	626.4	664.4	660.4
60°	944.2	589.8	557.1	587.2	589.8
62.5°	771.6	500.9	495.7	521.8	520.5
65°	623.8	422.4	438.1	464.3	460.3
67.5°	495.7	353.1	389.7	412.0	402.8
70°	378.0	299.5	347.9	364.9	359.6
72.5°	283.8	253.7	311.3	326.9	317.8
75°	207.9	214.5	281.2	294.3	285.1
77.5°	149.1	184.4	257.6	265.5	258.9
80°	100.7	156.9	234.1	244.6	234.1
82.5°	64.1	134.7	214.5	223.6	214.5
85°	35.3	116.4	196.2	206.6	197.5
87.5°	15.7	100.7	180.5	189.6	181.8
90°	1.3	87.6	166.1	173.9	166.1
92.5°	0.0	75.9	151.7	160.9	153.0
95°	0.0	66.7	138.6	146.5	138.6
97.5°	0.0	58.9	126.9	134.7	128.2
100°	0.0	52.3	116.4	124.2	117.7
102.5°	0.0	45.8	105.9	115.1	109.9
105°	0.0	41.8	96.8	105.9	102.0
107.5°	0.0	36.6	88.9	99.4	96.8
110°	0.0	32.7	81.1	92.9	90.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.1	73.2	86.3	83.7
115°	0.0	26.2	66.7	79.8	78.5
117.5°	0.0	23.5	61.5	73.2	73.2
120°	1.3	20.9	56.2	68.0	66.7
122.5°	1.3	18.3	49.7	61.5	60.2
125°	1.3	17.0	44.5	56.2	54.9
127.5°	1.3	14.4	40.5	49.7	48.4
130°	1.3	13.1	35.3	44.5	43.2
132.5°	1.3	10.5	31.4	39.2	37.9
135°	1.3	9.2	27.5	34.0	32.7
137.5°	1.3	7.8	23.5	30.1	28.8
140°	1.3	6.5	20.9	26.2	24.8
142.5°	1.3	5.2	17.0	22.2	20.9
145°	1.3	3.9	14.4	18.3	17.0
147.5°	1.3	2.6	11.8	15.7	14.4
150°	1.3	2.6	9.2	13.1	11.8
152.5°	1.3	2.6	7.8	10.5	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)