

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-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-LD5-56SL-LC-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

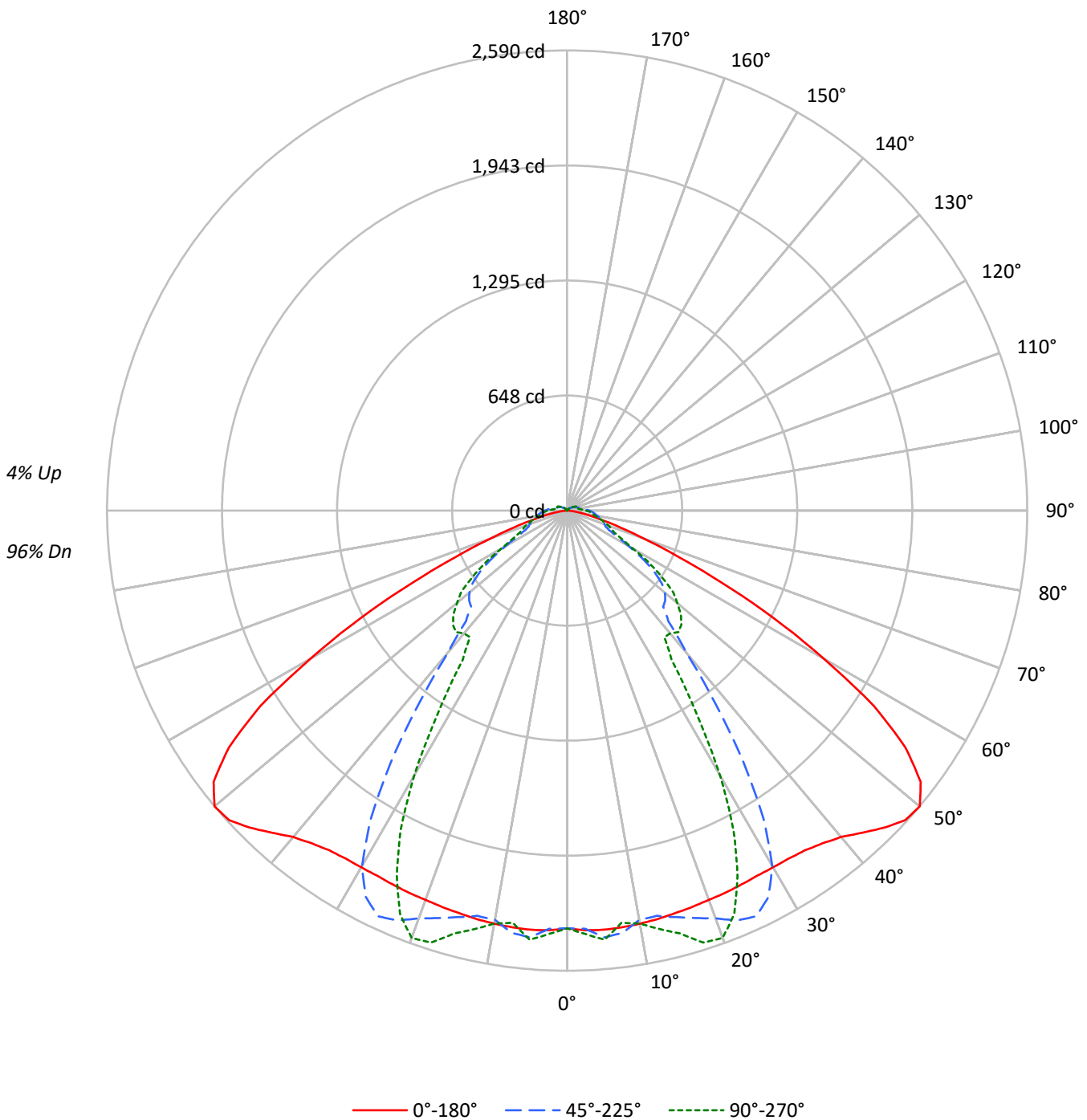
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5670.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 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	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°	27608	27608	27608
5°	27802	27226	27007
10°	27924	25615	25174
15°	28179	25377	25422
20°	28663	25787	25734
25°	29460	26433	22424
30°	30631	24253	16873
35°	32427	18342	10023
40°	35411	11234	8868
45°	40092	8441	9050
50°	44891	8202	8237
55°	44687	7114	6810
60°	36283	5021	4614
65°	24127	3473	3347
70°	13914	3222	3020
75°	7645	3164	2564
80°	4226	3032	2190
85°	1933	2991	2155



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.3	4.0
10°-20°	681.7	12.0
20°-30°	1084.9	19.1
30°-40°	1105.6	19.5
40°-50°	933.8	16.5
50°-60°	719.8	12.7
60°-70°	371.8	6.6
70°-80°	205.5	3.6
80°-90°	130.8	2.3
90°-100°	80.5	1.4
100°-110°	51.9	0.9
110°-120°	37.6	0.7
120°-130°	21.7	0.4
130°-140°	10.5	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°	1993.8	35.2
0°-40°	3099.5	54.7
0°-60°	4753.1	83.8
0°-90°	5461.1	96.3
90°-120°	170.0	3.0
90°-150°	206.6	3.6
90°-180°	209.0	3.7
0°-180°	5670.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2351	2351	2351	2351	2351	
5°	2368	2376	2412	2434	2425	226
15°	2346	2347	2369	2454	2465	665
25°	2322	2338	2519	2396	2269	1075
35°	2334	2444	1731	1177	1026	1473
45°	2524	1473	764	882	908	1949
55°	2324	542	597	649	649	2013
65°	953	248	260	293	293	983
75°	197	163	201	202	197	237
85°	22	106	150	145	138	30
90°	0	82	125	115	106	1
95°	0	64	99	87	80	0
105°	0	39	65	60	57	0
115°	1	23	47	57	56	1
125°	1	12	30	36	33	1
135°	1	6	17	21	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°	2351.1	2351.1	2351.1	2351.1	2351.1
2.5°	2364.4	2355.9	2355.9	2386.1	2386.1
5°	2368.0	2376.5	2411.5	2434.5	2424.8
7.5°	2365.6	2404.3	2395.8	2362.0	2340.2
10°	2360.7	2418.8	2339.0	2362.0	2359.5
12.5°	2354.7	2397.0	2336.6	2417.6	2412.8
15°	2346.2	2347.4	2369.2	2453.9	2464.8
17.5°	2339.0	2316.0	2404.3	2518.0	2549.4
20°	2331.7	2306.3	2441.8	2572.4	2559.1
22.5°	2328.1	2314.8	2497.4	2531.3	2457.5
25°	2322.0	2337.8	2519.2	2395.8	2268.8
27.5°	2317.2	2364.4	2452.7	2164.8	2029.4
30°	2318.4	2401.9	2308.7	1893.9	1723.4
32.5°	2322.0	2438.2	2058.4	1531.1	1354.5
35°	2334.1	2444.2	1730.7	1176.7	1025.6
37.5°	2360.7	2377.7	1373.9	931.2	898.6
40°	2398.2	2176.9	1042.5	869.6	902.2
42.5°	2458.7	1839.5	843.0	879.2	927.6
45°	2524.0	1473.0	764.3	881.7	908.3
47.5°	2579.7	1087.3	748.6	849.0	868.3
50°	2590.5	818.8	718.4	797.0	809.1
52.5°	2508.3	647.0	670.0	728.1	749.8
55°	2324.5	541.8	597.4	649.4	649.4
57.5°	2047.5	459.6	501.9	551.5	546.6
60°	1666.6	378.5	400.3	430.5	423.3
62.5°	1311.0	303.6	310.8	343.5	348.3
65°	953.0	247.9	260.0	292.7	292.7
67.5°	668.8	211.6	234.6	264.9	267.3
70°	455.9	191.1	223.7	247.9	249.1
72.5°	310.8	176.6	212.9	226.2	222.5
75°	197.1	163.3	200.8	202.0	197.1
77.5°	128.2	148.8	188.7	179.0	175.4
80°	78.6	134.2	172.9	160.9	154.8
82.5°	44.7	119.7	160.9	152.4	146.3
85°	21.8	106.4	150.0	145.1	137.9
87.5°	8.5	94.3	137.9	130.6	123.4
90°	0.0	82.2	124.6	114.9	106.4
92.5°	0.0	72.6	111.3	99.2	91.9
95°	0.0	64.1	99.2	87.1	79.8
97.5°	0.0	56.8	88.3	77.4	68.9
100°	0.0	50.8	79.8	68.9	62.9
102.5°	0.0	44.7	71.4	64.1	60.5
105°	0.0	38.7	65.3	60.5	56.8
107.5°	0.0	33.9	59.3	58.1	55.6
110°	0.0	30.2	55.6	56.8	58.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.6	50.8	58.1	59.3
115°	1.2	23.0	47.2	56.8	55.6
117.5°	1.2	19.4	42.3	50.8	48.4
120°	1.2	16.9	38.7	46.0	42.3
122.5°	1.2	14.5	33.9	39.9	37.5
125°	1.2	12.1	30.2	36.3	32.7
127.5°	1.2	10.9	26.6	31.4	29.0
130°	1.2	9.7	23.0	27.8	25.4
132.5°	1.2	7.3	20.6	24.2	20.6
135°	1.2	6.0	16.9	20.6	16.9
137.5°	1.2	4.8	14.5	16.9	14.5
140°	1.2	3.6	12.1	14.5	12.1
142.5°	1.2	3.6	9.7	13.3	9.7
145°	1.2	2.4	8.5	10.9	8.5
147.5°	1.2	2.4	7.3	9.7	7.3
150°	1.2	2.4	6.0	8.5	4.8
152.5°	1.2	1.2	4.8	7.3	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)