

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-LD5-55SL-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-LD5-55SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

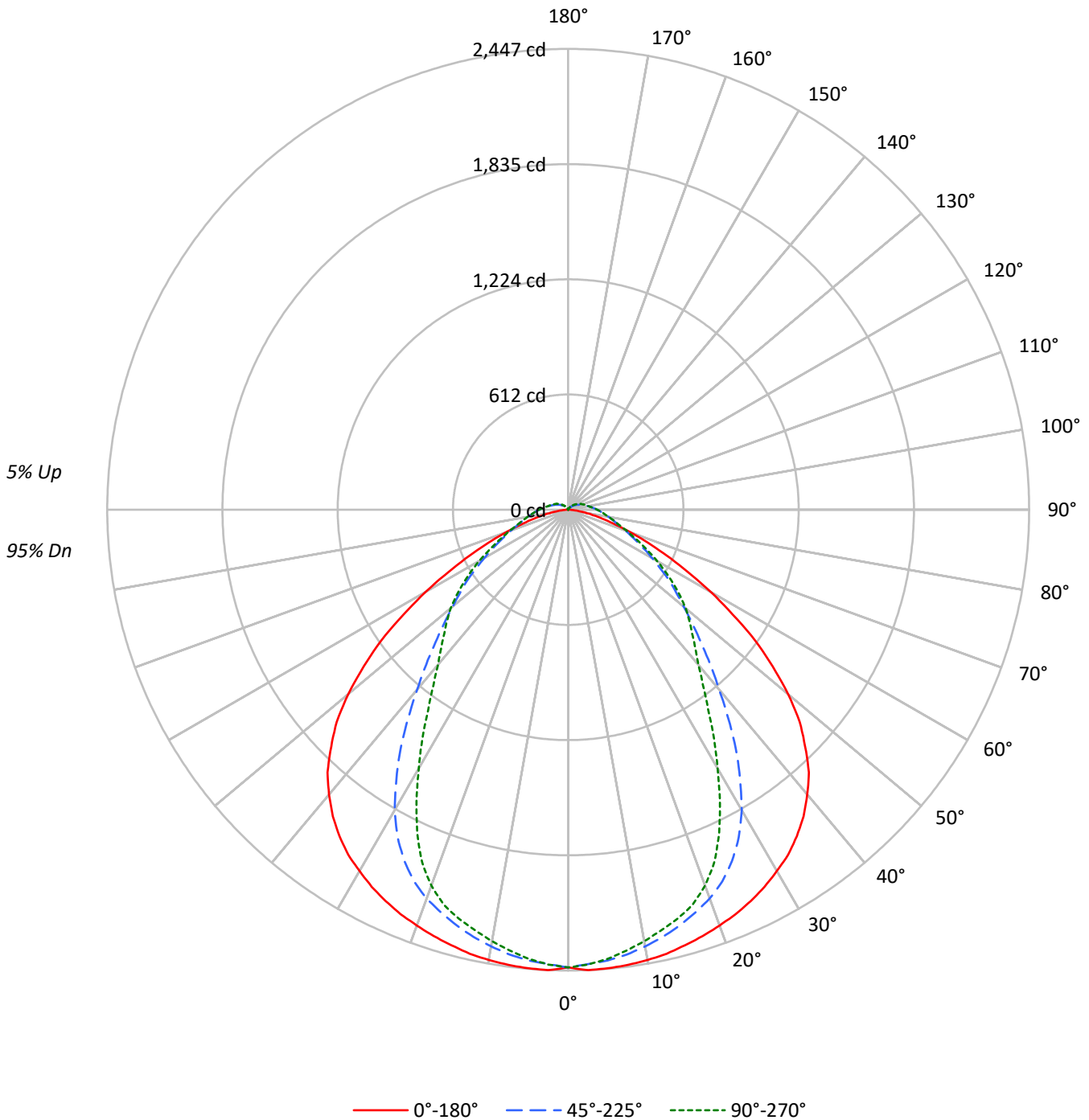
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5557.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 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): 43.1  
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				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°	28540	28540	28540
5°	28692	27126	26666
10°	28721	25782	24822
15°	28755	24480	23185
20°	28882	23203	21365
25°	29088	21595	18740
30°	29269	19358	15521
35°	29398	16455	12657
40°	29156	13421	10555
45°	28255	10992	9277
50°	26424	9125	8284
55°	23340	7790	7115
60°	19008	6461	5944
65°	14603	5412	4867
70°	10667	4634	4031
75°	7459	4097	3429
80°	5005	3795	3061
85°	2890	3618	2854



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.0	4.1
10°-20°	650.4	11.7
20°-30°	950.2	17.1
30°-40°	1014.9	18.3
40°-50°	894.4	16.1
50°-60°	679.1	12.2
60°-70°	433.0	7.8
70°-80°	258.3	4.6
80°-90°	162.2	2.9
90°-100°	107.4	1.9
100°-110°	73.0	1.3
110°-120°	49.1	0.9
120°-130°	30.3	0.5
130°-140°	16.0	0.3
140°-150°	6.9	0.1
150°-160°	2.2	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1829.6	32.9
0°-40°	2844.5	51.2
0°-60°	4418.0	79.5
0°-90°	5271.5	94.9
90°-120°	229.4	4.1
90°-150°	282.7	5.1
90°-180°	286.0	5.1
0°-180°	5557.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2430	2430	2430	2430	2430	
5°	2444	2426	2403	2410	2394	233
15°	2394	2350	2285	2270	2248	677
25°	2293	2190	2058	1959	1896	1058
35°	2116	1886	1553	1358	1295	1322
45°	1779	1339	995	937	931	1367
55°	1214	759	654	677	678	1074
65°	577	391	405	429	426	582
75°	192	198	260	272	264	214
85°	33	108	181	191	183	40
90°	1	81	154	161	154	2
95°	0	62	128	135	128	0
105°	0	39	90	98	94	0
115°	0	24	62	74	73	0
125°	1	16	41	52	51	1
135°	1	8	25	31	30	1
145°	1	4	13	17	16	1
155°	1	2	5	7	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2430.5	2430.5	2430.5	2430.5	2430.5
2.5°	2447.4	2432.9	2414.8	2426.9	2417.2
5°	2443.8	2425.7	2402.7	2410.0	2394.2
7.5°	2437.8	2414.8	2382.2	2379.7	2361.6
10°	2428.1	2397.9	2354.3	2345.9	2326.5
12.5°	2414.8	2377.3	2322.9	2309.6	2286.6
15°	2394.2	2349.5	2285.4	2269.7	2247.9
17.5°	2373.7	2318.1	2243.1	2223.7	2198.4
20°	2349.5	2281.8	2197.1	2156.0	2124.6
22.5°	2324.1	2240.7	2136.7	2067.8	2026.6
25°	2292.7	2189.9	2058.1	1958.9	1896.0
27.5°	2257.6	2136.7	1961.3	1818.7	1743.7
30°	2215.3	2065.3	1842.8	1663.9	1585.3
32.5°	2173.0	1987.9	1697.7	1511.5	1440.2
35°	2116.1	1886.4	1552.6	1357.9	1295.1
37.5°	2052.0	1772.7	1394.2	1221.3	1175.4
40°	1974.6	1639.7	1245.5	1107.6	1073.8
42.5°	1891.2	1493.4	1116.1	1015.7	997.6
45°	1778.8	1338.6	995.2	937.1	931.1
47.5°	1667.5	1183.8	892.4	868.2	871.8
50°	1524.8	1030.3	799.3	807.8	813.8
52.5°	1367.6	888.8	723.1	741.2	746.1
55°	1214.1	759.4	654.2	677.2	678.4
57.5°	1035.1	645.7	579.2	614.3	610.7
60°	873.1	545.4	515.1	542.9	545.4
62.5°	713.4	463.1	458.3	482.5	481.3
65°	576.8	390.6	405.1	429.3	425.6
67.5°	458.3	326.5	360.3	380.9	372.4
70°	349.5	276.9	321.7	337.4	332.5
72.5°	262.4	234.6	287.8	302.3	293.8
75°	192.3	198.3	260.0	272.1	263.6
77.5°	137.9	170.5	238.2	245.5	239.4
80°	93.1	145.1	216.4	226.1	216.4
82.5°	59.3	124.5	198.3	206.8	198.3
85°	32.6	107.6	181.4	191.1	182.6
87.5°	14.5	93.1	166.9	175.3	168.1
90°	1.2	81.0	153.6	160.8	153.6
92.5°	0.0	70.1	140.3	148.7	141.5
95°	0.0	61.7	128.2	135.4	128.2
97.5°	0.0	54.4	117.3	124.5	118.5
100°	0.0	48.4	107.6	114.9	108.8
102.5°	0.0	42.3	97.9	106.4	101.6
105°	0.0	38.7	89.5	97.9	94.3
107.5°	0.0	33.9	82.2	91.9	89.5
110°	0.0	30.2	75.0	85.9	83.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.8	67.7	79.8	77.4
115°	0.0	24.2	61.7	73.8	72.6
117.5°	0.0	21.8	56.8	67.7	67.7
120°	1.2	19.3	52.0	62.9	61.7
122.5°	1.2	16.9	46.0	56.8	55.6
125°	1.2	15.7	41.1	52.0	50.8
127.5°	1.2	13.3	37.5	46.0	44.7
130°	1.2	12.1	32.6	41.1	39.9
132.5°	1.2	9.7	29.0	36.3	35.1
135°	1.2	8.5	25.4	31.4	30.2
137.5°	1.2	7.3	21.8	27.8	26.6
140°	1.2	6.0	19.3	24.2	23.0
142.5°	1.2	4.8	15.7	20.6	19.3
145°	1.2	3.6	13.3	16.9	15.7
147.5°	1.2	2.4	10.9	14.5	13.3
150°	1.2	2.4	8.5	12.1	10.9
152.5°	1.2	2.4	7.3	9.7	7.3
155°	1.2	2.4	4.8	7.3	4.8
157.5°	1.2	2.4	3.6	4.8	3.6
160°	1.2	2.4	3.6	3.6	1.2
162.5°	1.2	2.4	2.4	1.2	0.0
165°	1.2	2.4	2.4	0.0	0.0
167.5°	1.2	2.4	2.4	0.0	0.0
170°	1.2	2.4	2.4	0.0	0.0
172.5°	1.2	2.4	2.4	0.0	0.0
175°	2.4	2.4	2.4	0.0	0.0
177.5°	1.2	2.4	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)