

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-LD5-41SL-LW-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 (P35653)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-41SL-LW-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

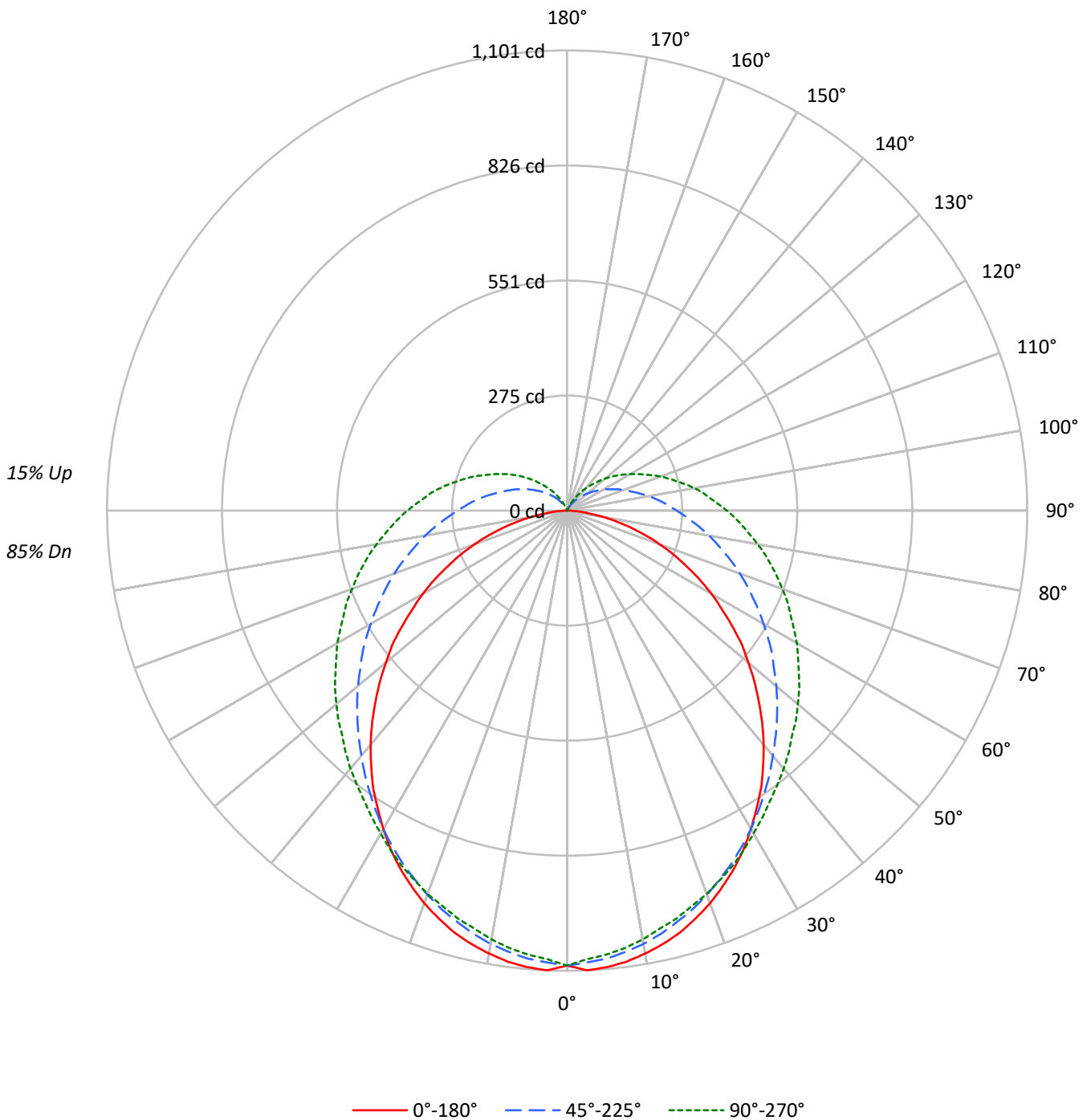
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4188.0 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 33.7  
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	0
RCR																		
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79	80	76	74	74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63	68	64	59	63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52	60	54	49	55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44	53	47	42	49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38	47	41	36	44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33	43	36	31	40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29	39	32	28	36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26	36	29	25	33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21	30	24	20	29	23	19	17

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

	0°	45°	90°
0°	12782	12782	12782
5°	12871	12148	11879
10°	12728	11527	11114
15°	12548	10907	10422
20°	12288	10325	9817
25°	11990	9769	9263
30°	11620	9239	8733
35°	11243	8726	8276
40°	10799	8251	7925
45°	10304	7836	7582
50°	9810	7460	7334
55°	9264	7131	7098
60°	8691	6808	6918
65°	7975	6542	6741
70°	7188	6334	6636
75°	6109	6142	6571
80°	4613	6043	6550
85°	2624	6003	6580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	2.4
10°-20°	289.0	6.9
20°-30°	431.7	10.3
30°-40°	517.3	12.4
40°-50°	547.2	13.1
50°-60°	528.5	12.6
60°-70°	470.1	11.2
70°-80°	386.5	9.2
80°-90°	295.6	7.1
90°-100°	222.3	5.3
100°-110°	162.2	3.9
110°-120°	111.1	2.7
120°-130°	69.3	1.7
130°-140°	37.0	0.9
140°-150°	14.8	0.4
150°-160°	2.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	823.1	19.7
0°-40°	1340.4	32.0
0°-60°	2416.1	57.7
0°-90°	3568.3	85.2
90°-120°	495.7	11.8
90°-150°	616.8	14.7
90°-180°	620.0	14.8
0°-180°	4188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1096	1090	1076	1074	1067	104
15°	1045	1034	1018	1018	1010	294
25°	945	936	931	942	937	435
35°	809	806	823	847	847	505
45°	649	667	710	750	761	501
55°	482	526	599	658	677	431
65°	315	387	490	566	590	313
75°	158	260	390	479	505	167
85°	30	161	301	391	421	36
90°	0	123	262	352	382	1
95°	0	95	229	317	343	0
105°	0	59	168	246	271	0
115°	0	36	120	186	204	0
125°	0	22	81	131	147	0
135°	0	11	50	83	92	0
145°	0	3	22	42	48	0
155°	0	0	3	11	11	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1088.5	1088.5	1088.5	1088.5	1088.5
2.5°	1100.9	1094.7	1082.2	1080.7	1074.4
5°	1096.3	1090.0	1076.0	1074.4	1066.6
7.5°	1088.5	1080.7	1065.1	1063.5	1055.7
10°	1076.0	1068.2	1052.6	1051.0	1041.7
12.5°	1061.9	1054.2	1037.0	1035.4	1024.5
15°	1044.8	1033.9	1018.3	1018.3	1010.5
17.5°	1023.0	1013.6	999.6	1001.1	991.8
20°	999.6	990.2	977.7	982.4	976.2
22.5°	973.1	962.1	954.4	960.6	955.9
25°	945.0	935.6	931.0	941.9	937.2
27.5°	913.8	904.5	906.0	916.9	915.4
30°	879.5	873.3	879.5	893.5	892.0
32.5°	843.6	840.5	851.4	870.1	870.1
35°	809.3	806.2	823.4	846.8	846.8
37.5°	770.3	771.9	795.3	821.8	826.5
40°	731.4	737.6	765.7	798.4	806.2
42.5°	690.8	701.7	737.6	773.5	784.4
45°	648.7	667.4	709.5	750.1	761.0
47.5°	608.2	631.6	681.5	728.2	742.3
50°	566.1	594.1	653.4	704.8	720.4
52.5°	527.1	559.8	623.8	681.5	700.2
55°	481.9	525.5	598.8	658.1	676.8
57.5°	438.2	489.7	570.7	634.7	654.9
60°	399.2	453.8	542.7	612.8	634.7
62.5°	357.1	419.5	516.2	589.5	611.3
65°	315.0	386.7	489.7	566.1	589.5
67.5°	276.0	352.4	464.7	544.2	570.7
70°	235.5	321.2	439.7	522.4	547.3
72.5°	196.5	290.0	414.8	499.0	527.1
75°	157.5	260.4	389.8	478.7	505.2
77.5°	120.1	232.4	366.5	456.9	485.0
80°	85.8	205.8	344.6	435.1	463.1
82.5°	54.6	180.9	322.8	413.2	441.3
85°	29.6	160.6	301.0	391.4	421.0
87.5°	10.9	138.8	280.7	372.7	402.3
90°	0.0	123.2	262.0	352.4	382.1
92.5°	0.0	107.6	244.8	333.7	361.8
95°	0.0	95.1	229.2	316.6	343.1
97.5°	0.0	84.2	213.6	299.4	327.5
100°	0.0	74.9	198.0	280.7	308.8
102.5°	0.0	65.5	182.4	263.5	290.0
105°	0.0	59.3	168.4	246.4	271.3
107.5°	0.0	53.0	155.9	232.4	254.2
110°	0.0	46.8	143.5	215.2	238.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.1	132.5	201.2	219.9
115°	0.0	35.9	120.1	185.6	204.3
117.5°	0.0	32.7	110.7	171.5	188.7
120°	0.0	28.1	99.8	157.5	174.7
122.5°	0.0	25.0	90.4	143.5	160.6
125°	0.0	21.8	81.1	131.0	146.6
127.5°	0.0	18.7	73.3	118.5	132.5
130°	0.0	15.6	63.9	106.0	118.5
132.5°	0.0	12.5	56.1	93.6	106.0
135°	0.0	10.9	49.9	82.6	92.0
137.5°	0.0	7.8	42.1	71.7	81.1
140°	0.0	6.2	35.9	62.4	68.6
142.5°	0.0	4.7	28.1	51.5	59.3
145°	0.0	3.1	21.8	42.1	48.3
147.5°	0.0	1.6	15.6	34.3	37.4
150°	0.0	1.6	10.9	26.5	28.1
152.5°	0.0	0.0	7.8	18.7	18.7
155°	0.0	0.0	3.1	10.9	10.9
157.5°	1.6	0.0	1.6	4.7	4.7
160°	1.6	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)