

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-LD5-44SL-LW-UNV-L850-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-LD5-44SL-LW-UNV-L850-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

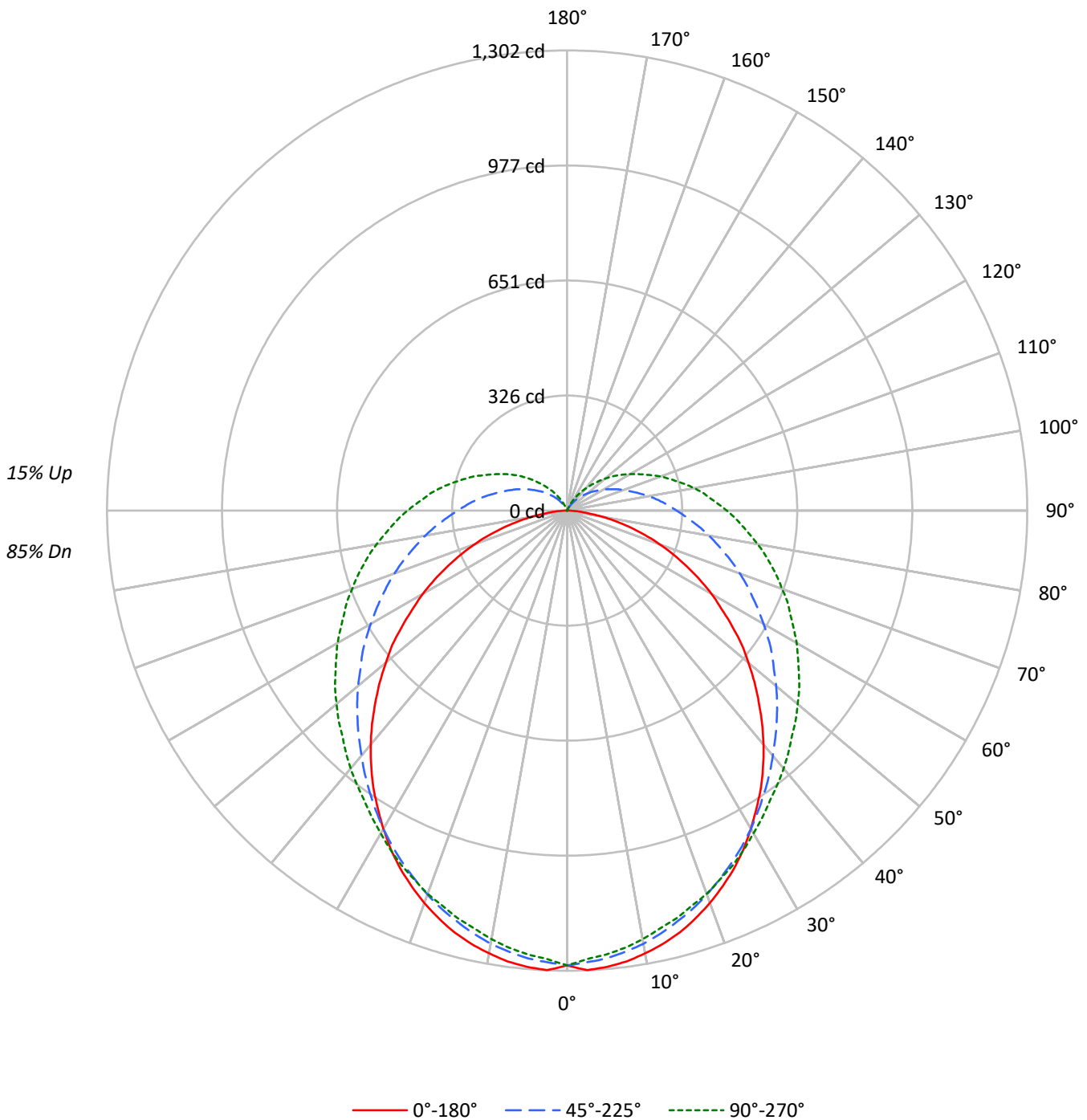
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4951.0 lumens  
Efficiency: N/A  
Efficacy: 134.9 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): 36.7  
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	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°	15110	15110	15110
5°	15216	14361	14045
10°	15046	13628	13139
15°	14834	12894	12321
20°	14526	12207	11605
25°	14174	11548	10950
30°	13737	10922	10324
35°	13293	10316	9783
40°	12766	9754	9369
45°	12182	9264	8963
50°	11597	8818	8670
55°	10950	8430	8391
60°	10274	8047	8178
65°	9428	7733	7968
70°	8497	7489	7846
75°	7223	7262	7769
80°	5452	7145	7744
85°	3103	7096	7779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	2.4
10°-20°	341.7	6.9
20°-30°	510.3	10.3
30°-40°	611.6	12.4
40°-50°	646.9	13.1
50°-60°	624.8	12.6
60°-70°	555.8	11.2
70°-80°	456.9	9.2
80°-90°	349.4	7.1
90°-100°	262.8	5.3
100°-110°	191.8	3.9
110°-120°	131.4	2.7
120°-130°	82.0	1.7
130°-140°	43.7	0.9
140°-150°	17.5	0.4
150°-160°	3.3	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	973.0	19.7
0°-40°	1584.6	32.0
0°-60°	2856.3	57.7
0°-90°	4218.4	85.2
90°-120°	586.0	11.8
90°-150°	729.2	14.7
90°-180°	733.0	14.8
0°-180°	4951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1296	1289	1272	1270	1261	123
15°	1235	1222	1204	1204	1195	348
25°	1117	1106	1101	1114	1108	514
35°	957	953	973	1001	1001	597
45°	767	789	839	887	900	592
55°	570	621	708	778	800	510
65°	372	457	579	669	697	370
75°	186	308	461	566	597	198
85°	35	190	356	463	498	43
90°	0	146	310	417	452	2
95°	0	112	271	374	406	0
105°	0	70	199	291	321	0
115°	0	42	142	219	242	0
125°	0	26	96	155	173	0
135°	0	13	59	98	109	0
145°	0	4	26	50	57	0
155°	0	0	4	13	13	1
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°	1286.8	1286.8	1286.8	1286.8	1286.8
2.5°	1301.5	1294.1	1279.4	1277.5	1270.2
5°	1296.0	1288.6	1272.0	1270.2	1261.0
7.5°	1286.8	1277.5	1259.1	1257.3	1248.0
10°	1272.0	1262.8	1244.4	1242.5	1231.5
12.5°	1255.4	1246.2	1225.9	1224.1	1211.2
15°	1235.1	1222.2	1203.8	1203.8	1194.6
17.5°	1209.3	1198.3	1181.7	1183.5	1172.5
20°	1181.7	1170.6	1155.9	1161.4	1154.0
22.5°	1150.3	1137.4	1128.2	1135.6	1130.1
25°	1117.2	1106.1	1100.6	1113.5	1107.9
27.5°	1080.3	1069.2	1071.1	1084.0	1082.1
30°	1039.7	1032.4	1039.7	1056.3	1054.5
32.5°	997.3	993.6	1006.6	1028.7	1028.7
35°	956.8	953.1	973.4	1001.0	1001.0
37.5°	910.7	912.5	940.2	971.5	977.1
40°	864.6	872.0	905.2	943.9	953.1
42.5°	816.7	829.6	872.0	914.4	927.3
45°	766.9	789.0	838.8	886.7	899.6
47.5°	719.0	746.6	805.6	860.9	877.5
50°	669.2	702.4	772.4	833.3	851.7
52.5°	623.1	661.8	737.4	805.6	827.7
55°	569.6	621.3	707.9	778.0	800.1
57.5°	518.0	578.9	674.7	750.3	774.3
60°	471.9	536.5	641.5	724.5	750.3
62.5°	422.2	495.9	610.2	696.8	722.7
65°	372.4	457.2	578.9	669.2	696.8
67.5°	326.3	416.6	549.4	643.4	674.7
70°	278.4	379.8	519.9	617.6	647.1
72.5°	232.3	342.9	490.4	589.9	623.1
75°	186.2	307.9	460.9	566.0	597.3
77.5°	141.9	274.7	433.2	540.1	573.3
80°	101.4	243.3	407.4	514.3	547.5
82.5°	64.5	213.8	381.6	488.5	521.7
85°	35.0	189.9	355.8	462.7	497.7
87.5°	12.9	164.1	331.8	440.6	475.6
90°	0.0	145.6	309.7	416.6	451.7
92.5°	0.0	127.2	289.4	394.5	427.7
95°	0.0	112.5	271.0	374.2	405.6
97.5°	0.0	99.5	252.6	354.0	387.1
100°	0.0	88.5	234.1	331.8	365.0
102.5°	0.0	77.4	215.7	311.6	342.9
105°	0.0	70.1	199.1	291.3	320.8
107.5°	0.0	62.7	184.3	274.7	300.5
110°	0.0	55.3	169.6	254.4	282.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.8	156.7	237.8	259.9
115°	0.0	42.4	141.9	219.4	241.5
117.5°	0.0	38.7	130.9	202.8	223.1
120°	0.0	33.2	118.0	186.2	206.5
122.5°	0.0	29.5	106.9	169.6	189.9
125°	0.0	25.8	95.9	154.9	173.3
127.5°	0.0	22.1	86.6	140.1	156.7
130°	0.0	18.4	75.6	125.4	140.1
132.5°	0.0	14.7	66.4	110.6	125.4
135°	0.0	12.9	59.0	97.7	108.8
137.5°	0.0	9.2	49.8	84.8	95.9
140°	0.0	7.4	42.4	73.7	81.1
142.5°	0.0	5.5	33.2	60.8	70.1
145°	0.0	3.7	25.8	49.8	57.1
147.5°	0.0	1.8	18.4	40.6	44.2
150°	0.0	1.8	12.9	31.3	33.2
152.5°	0.0	0.0	9.2	22.1	22.1
155°	0.0	0.0	3.7	12.9	12.9
157.5°	1.8	0.0	1.8	5.5	5.5
160°	1.8	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)