

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-LD5-47SL-LW-UNV-L830-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-LD5-47SL-LW-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

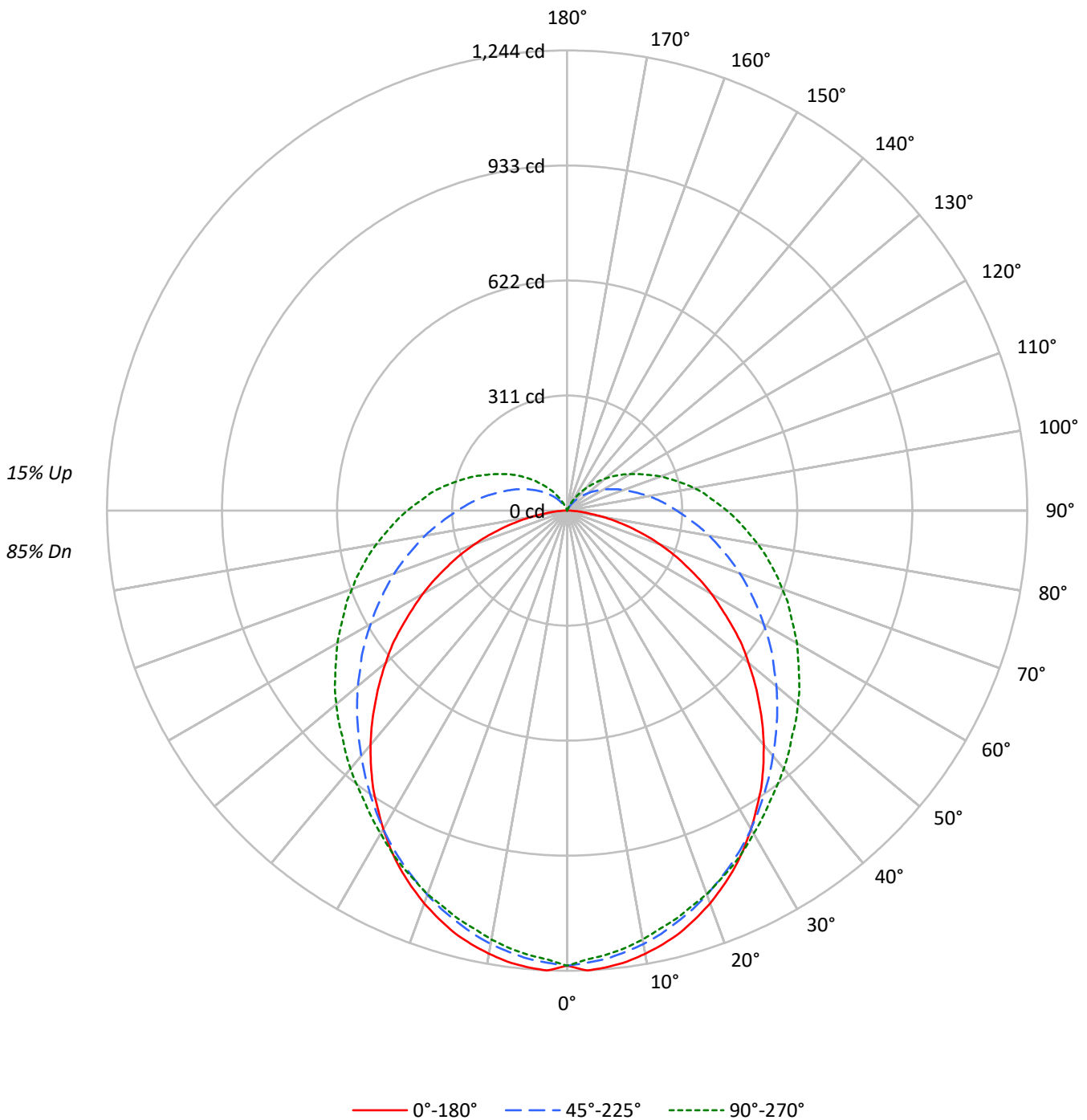
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4734.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 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): 39.9  
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

TEST NUMBER: P#  
CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





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CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L830-CD1-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	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°	14448	14448	14448
5°	14549	13732	13429
10°	14387	13030	12563
15°	14184	12329	11781
20°	13889	11671	11096
25°	13553	11041	10471
30°	13136	10444	9872
35°	12709	9864	9354
40°	12207	9326	8958
45°	11648	8858	8571
50°	11089	8432	8291
55°	10471	8061	8023
60°	9825	7695	7819
65°	9015	7394	7620
70°	8125	7160	7501
75°	6904	6944	7428
80°	5210	6833	7404
85°	2970	6785	7438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.7	2.4
10°-20°	326.7	6.9
20°-30°	487.9	10.3
30°-40°	584.8	12.4
40°-50°	618.6	13.1
50°-60°	597.4	12.6
60°-70°	531.4	11.2
70°-80°	436.9	9.2
80°-90°	334.1	7.1
90°-100°	251.3	5.3
100°-110°	183.4	3.9
110°-120°	125.6	2.7
120°-130°	78.4	1.7
130°-140°	41.8	0.9
140°-150°	16.8	0.4
150°-160°	3.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	930.4	19.7
0°-40°	1515.1	32.0
0°-60°	2731.1	57.7
0°-90°	4033.6	85.2
90°-120°	560.3	11.8
90°-150°	697.3	14.7
90°-180°	700.0	14.8
0°-180°	4734.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1239	1232	1216	1214	1206	118
15°	1181	1169	1151	1151	1142	333
25°	1068	1058	1052	1065	1059	491
35°	915	911	931	957	957	571
45°	733	754	802	848	860	566
55°	545	594	677	744	765	488
65°	356	437	554	640	666	354
75°	178	294	441	541	571	189
85°	34	182	340	442	476	41
90°	0	139	296	398	432	2
95°	0	108	259	358	388	0
105°	0	67	190	278	307	0
115°	0	40	136	210	231	0
125°	0	25	92	148	166	0
135°	0	12	56	93	104	0
145°	0	4	25	48	55	0
155°	0	0	4	12	12	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1230.4	1230.4	1230.4	1230.4	1230.4
2.5°	1244.5	1237.4	1223.3	1221.6	1214.5
5°	1239.2	1232.1	1216.3	1214.5	1205.7
7.5°	1230.4	1221.6	1203.9	1202.2	1193.3
10°	1216.3	1207.4	1189.8	1188.1	1177.5
12.5°	1200.4	1191.6	1172.2	1170.4	1158.1
15°	1181.0	1168.7	1151.0	1151.0	1142.2
17.5°	1156.3	1145.8	1129.9	1131.7	1121.1
20°	1129.9	1119.3	1105.2	1110.5	1103.4
22.5°	1099.9	1087.6	1078.8	1085.8	1080.5
25°	1068.2	1057.6	1052.3	1064.7	1059.4
27.5°	1032.9	1022.4	1024.1	1036.5	1034.7
30°	994.2	987.1	994.2	1010.0	1008.3
32.5°	953.6	950.1	962.4	983.6	983.6
35°	914.8	911.3	930.7	957.1	957.1
37.5°	870.8	872.5	899.0	928.9	934.2
40°	826.7	833.8	865.5	902.5	911.3
42.5°	780.9	793.2	833.8	874.3	886.6
45°	733.3	754.4	802.0	847.9	860.2
47.5°	687.5	713.9	770.3	823.2	839.0
50°	639.9	671.6	738.6	796.7	814.4
52.5°	595.8	632.8	705.1	770.3	791.5
55°	544.7	594.0	676.9	743.9	765.0
57.5°	495.3	553.5	645.1	717.4	740.3
60°	451.3	512.9	613.4	692.7	717.4
62.5°	403.7	474.2	583.5	666.3	691.0
65°	356.1	437.1	553.5	639.9	666.3
67.5°	312.0	398.4	525.3	615.2	645.1
70°	266.2	363.1	497.1	590.5	618.7
72.5°	222.1	327.9	468.9	564.1	595.8
75°	178.0	294.4	440.7	541.1	571.1
77.5°	135.7	262.6	414.2	516.5	548.2
80°	96.9	232.7	389.6	491.8	523.5
82.5°	61.7	204.5	364.9	467.1	498.8
85°	33.5	181.6	340.2	442.4	475.9
87.5°	12.3	156.9	317.3	421.3	454.8
90°	0.0	139.3	296.1	398.4	431.9
92.5°	0.0	121.6	276.7	377.2	408.9
95°	0.0	107.5	259.1	357.8	387.8
97.5°	0.0	95.2	241.5	338.4	370.2
100°	0.0	84.6	223.9	317.3	349.0
102.5°	0.0	74.0	206.2	297.9	327.9
105°	0.0	67.0	190.4	278.5	306.7
107.5°	0.0	59.9	176.3	262.6	287.3
110°	0.0	52.9	162.2	243.3	269.7



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	47.6	149.8	227.4	248.5
115°	0.0	40.5	135.7	209.8	230.9
117.5°	0.0	37.0	125.2	193.9	213.3
120°	0.0	31.7	112.8	178.0	197.4
122.5°	0.0	28.2	102.2	162.2	181.6
125°	0.0	24.7	91.7	148.1	165.7
127.5°	0.0	21.2	82.8	134.0	149.8
130°	0.0	17.6	72.3	119.9	134.0
132.5°	0.0	14.1	63.5	105.8	119.9
135°	0.0	12.3	56.4	93.4	104.0
137.5°	0.0	8.8	47.6	81.1	91.7
140°	0.0	7.1	40.5	70.5	77.6
142.5°	0.0	5.3	31.7	58.2	67.0
145°	0.0	3.5	24.7	47.6	54.6
147.5°	0.0	1.8	17.6	38.8	42.3
150°	0.0	1.8	12.3	30.0	31.7
152.5°	0.0	0.0	8.8	21.2	21.2
155°	0.0	0.0	3.5	12.3	12.3
157.5°	1.8	0.0	1.8	5.3	5.3
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)