

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-LD5-54SL-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-LD5-54SL-LW-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

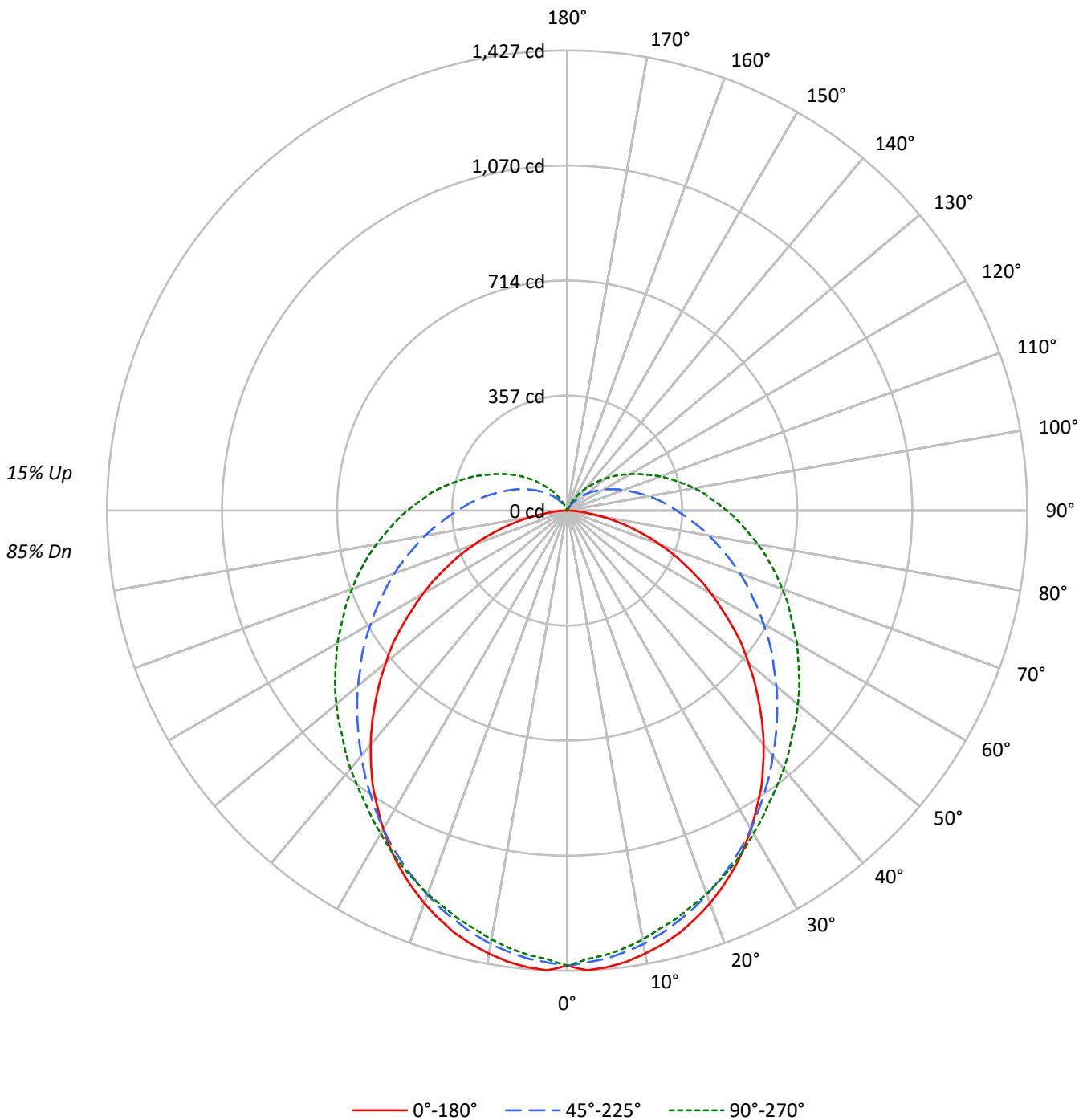
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5429.0 lumens  
Efficiency: N/A  
Efficacy: 115.5 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): 47  
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	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°	16569	16569	16569
5°	16685	15747	15400
10°	16499	14943	14407
15°	16267	14139	13511
20°	15929	13385	12725
25°	15542	12662	12008
30°	15063	11977	11321
35°	14575	11311	10728
40°	13999	10695	10273
45°	13357	10159	9829
50°	12716	9670	9507
55°	12008	9243	9200
60°	11266	8825	8967
65°	10337	8479	8738
70°	9315	8212	8602
75°	7921	7964	8520
80°	5978	7834	8492
85°	3405	7780	8531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.7	2.4
10°-20°	374.7	6.9
20°-30°	559.6	10.3
30°-40°	670.6	12.4
40°-50°	709.4	13.1
50°-60°	685.1	12.6
60°-70°	609.4	11.2
70°-80°	501.0	9.2
80°-90°	383.2	7.1
90°-100°	288.2	5.3
100°-110°	210.3	3.9
110°-120°	144.1	2.7
120°-130°	89.9	1.7
130°-140°	48.0	0.9
140°-150°	19.2	0.4
150°-160°	3.7	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1067.0	19.7
0°-40°	1737.6	32.0
0°-60°	3132.1	57.7
0°-90°	4625.7	85.2
90°-120°	642.5	11.8
90°-150°	799.6	14.7
90°-180°	803.0	14.8
0°-180°	5429.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1411	1411	1411	1411	1411	
5°	1421	1413	1395	1393	1383	135
15°	1354	1340	1320	1320	1310	381
25°	1225	1213	1207	1221	1215	564
35°	1049	1045	1067	1098	1098	655
45°	841	865	920	972	986	649
55°	625	681	776	853	877	559
65°	408	501	635	734	764	406
75°	204	338	505	621	655	217
85°	38	208	390	507	546	47
90°	0	160	340	457	495	2
95°	0	123	297	410	445	0
105°	0	77	218	319	352	0
115°	0	46	156	241	265	0
125°	0	28	105	170	190	0
135°	0	14	65	107	119	0
145°	0	4	28	55	63	0
155°	0	0	4	14	14	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°	1411.0	1411.0	1411.0	1411.0	1411.0
2.5°	1427.2	1419.1	1402.9	1400.9	1392.8
5°	1421.1	1413.0	1394.8	1392.8	1382.7
7.5°	1411.0	1400.9	1380.7	1378.7	1368.5
10°	1394.8	1384.7	1364.5	1362.5	1350.3
12.5°	1376.6	1366.5	1344.3	1342.3	1328.1
15°	1354.4	1340.2	1320.0	1320.0	1309.9
17.5°	1326.1	1314.0	1295.8	1297.8	1285.7
20°	1295.8	1283.6	1267.5	1273.5	1265.4
22.5°	1261.4	1247.3	1237.1	1245.2	1239.2
25°	1225.0	1212.9	1206.8	1221.0	1214.9
27.5°	1184.6	1172.5	1174.5	1188.6	1186.6
30°	1140.1	1132.0	1140.1	1158.3	1156.3
32.5°	1093.6	1089.6	1103.7	1128.0	1128.0
35°	1049.1	1045.1	1067.3	1097.7	1097.7
37.5°	998.6	1000.6	1031.0	1065.3	1071.4
40°	948.1	956.2	992.5	1035.0	1045.1
42.5°	895.5	909.7	956.2	1002.7	1016.8
45°	840.9	865.2	919.8	972.3	986.5
47.5°	788.4	818.7	883.4	944.0	962.2
50°	733.8	770.2	847.0	913.7	933.9
52.5°	683.3	725.7	808.6	883.4	907.6
55°	624.6	681.2	776.2	853.1	877.3
57.5°	568.0	634.7	739.9	822.7	849.0
60°	517.5	588.3	703.5	794.4	822.7
62.5°	462.9	543.8	669.1	764.1	792.4
65°	408.3	501.3	634.7	733.8	764.1
67.5°	357.8	456.9	602.4	705.5	739.9
70°	305.2	416.4	570.1	677.2	709.5
72.5°	254.7	376.0	537.7	646.9	683.3
75°	204.2	337.6	505.4	620.6	655.0
77.5°	155.7	301.2	475.0	592.3	628.7
80°	111.2	266.8	446.7	564.0	600.4
82.5°	70.8	234.5	418.4	535.7	572.1
85°	38.4	208.2	390.1	507.4	545.8
87.5°	14.2	179.9	363.9	483.1	521.5
90°	0.0	159.7	339.6	456.9	495.3
92.5°	0.0	139.5	317.4	432.6	469.0
95°	0.0	123.3	297.2	410.4	444.7
97.5°	0.0	109.2	276.9	388.1	424.5
100°	0.0	97.0	256.7	363.9	400.3
102.5°	0.0	84.9	236.5	341.6	376.0
105°	0.0	76.8	218.3	319.4	351.7
107.5°	0.0	68.7	202.1	301.2	329.5
110°	0.0	60.6	186.0	279.0	309.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.6	171.8	260.8	285.0
115°	0.0	46.5	155.7	240.6	264.8
117.5°	0.0	42.5	143.5	222.4	244.6
120°	0.0	36.4	129.4	204.2	226.4
122.5°	0.0	32.3	117.2	186.0	208.2
125°	0.0	28.3	105.1	169.8	190.0
127.5°	0.0	24.3	95.0	153.6	171.8
130°	0.0	20.2	82.9	137.5	153.6
132.5°	0.0	16.2	72.8	121.3	137.5
135°	0.0	14.2	64.7	107.1	119.3
137.5°	0.0	10.1	54.6	93.0	105.1
140°	0.0	8.1	46.5	80.9	88.9
142.5°	0.0	6.1	36.4	66.7	76.8
145°	0.0	4.0	28.3	54.6	62.7
147.5°	0.0	2.0	20.2	44.5	48.5
150°	0.0	2.0	14.2	34.4	36.4
152.5°	0.0	0.0	10.1	24.3	24.3
155°	0.0	0.0	4.0	14.2	14.2
157.5°	2.0	0.0	2.0	6.1	6.1
160°	2.0	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)