

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-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-47SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

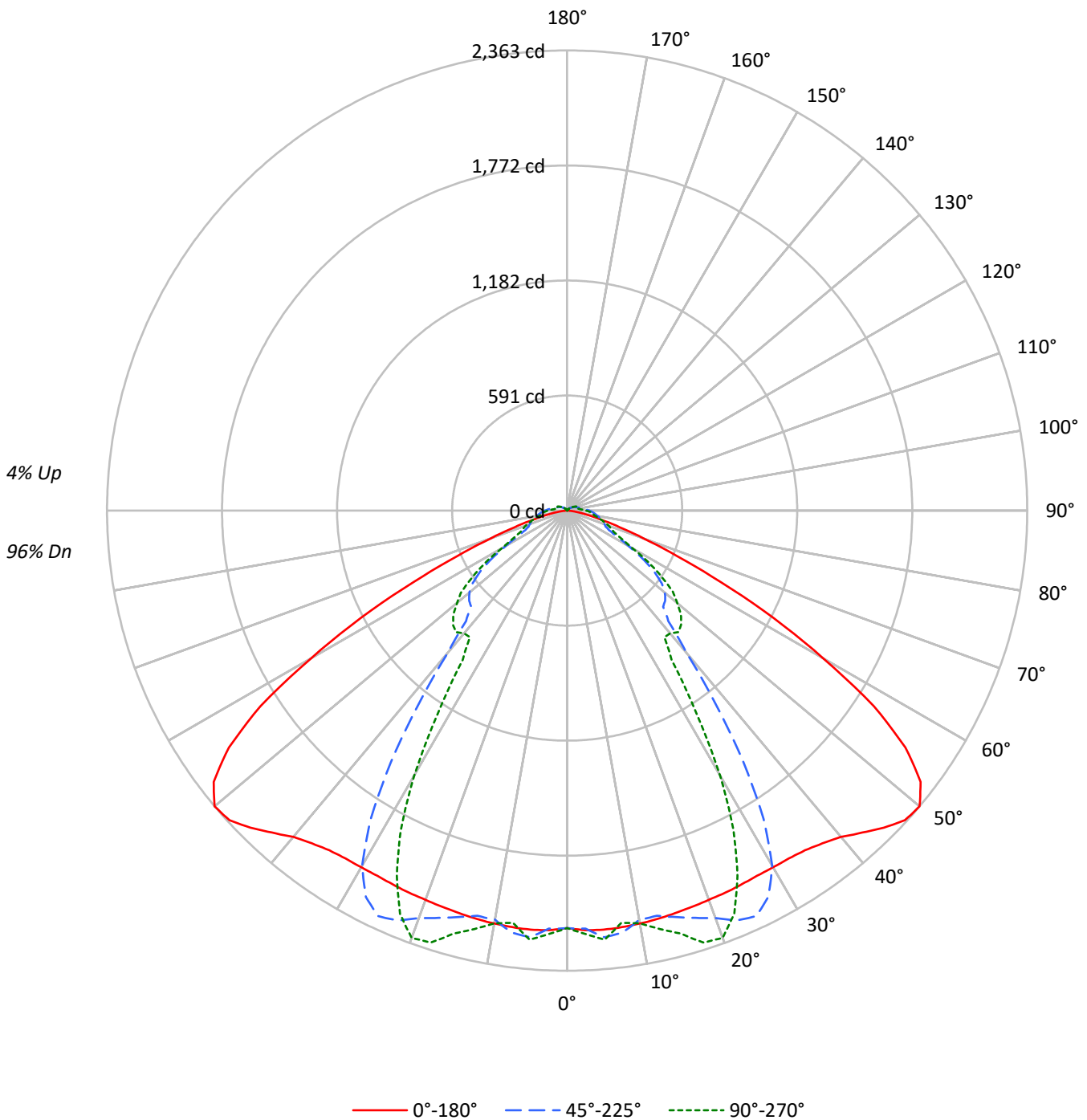
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5172.0 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: 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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25183	25183	25183
5°	25360	24834	24635
10°	25472	23364	22964
15°	25705	23148	23189
20°	26145	23521	23474
25°	26873	24111	20455
30°	27941	22123	15391
35°	29579	16730	9142
40°	32301	10247	8090
45°	36570	7700	8255
50°	40949	7481	7513
55°	40761	6490	6213
60°	33096	4581	4208
65°	22008	3169	3053
70°	12694	2940	2756
75°	6974	2885	2339
80°	3855	2767	1997
85°	1764	2728	1966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	4.0
10°-20°	621.8	12.0
20°-30°	989.6	19.1
30°-40°	1008.5	19.5
40°-50°	851.8	16.5
50°-60°	656.6	12.7
60°-70°	339.2	6.6
70°-80°	187.4	3.6
80°-90°	119.3	2.3
90°-100°	73.4	1.4
100°-110°	47.3	0.9
110°-120°	34.3	0.7
120°-130°	19.8	0.4
130°-140°	9.6	0.2
140°-150°	4.0	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1818.7	35.2
0°-40°	2827.2	54.7
0°-60°	4335.6	83.8
0°-90°	4981.5	96.3
90°-120°	155.0	3.0
90°-150°	188.4	3.6
90°-180°	191.0	3.7
0°-180°	5172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2145	2145	2145	2145	2145	
5°	2160	2168	2200	2221	2212	206
15°	2140	2141	2161	2238	2248	606
25°	2118	2132	2298	2185	2070	981
35°	2129	2230	1579	1073	936	1344
45°	2302	1344	697	804	828	1778
55°	2120	494	545	592	592	1836
65°	869	226	237	267	267	897
75°	180	149	183	184	180	217
85°	20	97	137	132	126	27
90°	0	75	114	105	97	1
95°	0	58	90	79	73	0
105°	0	35	60	55	52	0
115°	1	21	43	52	51	1
125°	1	11	28	33	30	1
135°	1	6	15	19	15	1
145°	1	2	8	10	8	1
155°	1	1	3	4	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	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°	2144.6	2144.6	2144.6	2144.6	2144.6
2.5°	2156.7	2149.0	2149.0	2176.6	2176.6
5°	2160.0	2167.7	2199.7	2220.7	2211.9
7.5°	2157.8	2193.1	2185.4	2154.5	2134.6
10°	2153.4	2206.4	2133.5	2154.5	2152.3
12.5°	2147.9	2186.5	2131.3	2205.3	2200.8
15°	2140.2	2141.3	2161.1	2238.3	2248.3
17.5°	2133.5	2112.6	2193.1	2296.8	2325.5
20°	2126.9	2103.8	2227.3	2346.5	2334.3
22.5°	2123.6	2111.5	2278.1	2309.0	2241.7
25°	2118.1	2132.4	2297.9	2185.4	2069.6
27.5°	2113.7	2156.7	2237.2	1974.7	1851.1
30°	2114.8	2190.9	2106.0	1727.6	1572.0
32.5°	2118.1	2224.0	1877.6	1396.6	1235.6
35°	2129.1	2229.5	1578.6	1073.4	935.5
37.5°	2153.4	2168.8	1253.2	849.4	819.7
40°	2187.6	1985.7	950.9	793.2	823.0
42.5°	2242.8	1677.9	768.9	802.0	846.1
45°	2302.3	1343.7	697.2	804.2	828.5
47.5°	2353.1	991.8	682.9	774.4	792.1
50°	2363.0	746.9	655.3	727.0	738.0
52.5°	2288.0	590.2	611.2	664.1	684.0
55°	2120.3	494.2	545.0	592.4	592.4
57.5°	1867.7	419.2	457.8	503.0	498.6
60°	1520.2	345.3	365.2	392.7	386.1
62.5°	1195.8	276.9	283.5	313.3	317.7
65°	869.3	226.2	237.2	267.0	267.0
67.5°	610.1	193.1	214.0	241.6	243.8
70°	415.9	174.3	204.1	226.2	227.3
72.5°	283.5	161.1	194.2	206.3	203.0
75°	179.8	148.9	183.1	184.2	179.8
77.5°	116.9	135.7	172.1	163.3	160.0
80°	71.7	122.5	157.8	146.7	141.2
82.5°	40.8	109.2	146.7	139.0	133.5
85°	19.9	97.1	136.8	132.4	125.8
87.5°	7.7	86.0	125.8	119.1	112.5
90°	0.0	75.0	113.6	104.8	97.1
92.5°	0.0	66.2	101.5	90.5	83.8
95°	0.0	58.5	90.5	79.4	72.8
97.5°	0.0	51.8	80.5	70.6	62.9
100°	0.0	46.3	72.8	62.9	57.4
102.5°	0.0	40.8	65.1	58.5	55.2
105°	0.0	35.3	59.6	55.2	51.8
107.5°	0.0	30.9	54.1	53.0	50.7
110°	0.0	27.6	50.7	51.8	53.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.3	46.3	53.0	54.1
115°	1.1	21.0	43.0	51.8	50.7
117.5°	1.1	17.7	38.6	46.3	44.1
120°	1.1	15.4	35.3	41.9	38.6
122.5°	1.1	13.2	30.9	36.4	34.2
125°	1.1	11.0	27.6	33.1	29.8
127.5°	1.1	9.9	24.3	28.7	26.5
130°	1.1	8.8	21.0	25.4	23.2
132.5°	1.1	6.6	18.8	22.1	18.8
135°	1.1	5.5	15.4	18.8	15.4
137.5°	1.1	4.4	13.2	15.4	13.2
140°	1.1	3.3	11.0	13.2	11.0
142.5°	1.1	3.3	8.8	12.1	8.8
145°	1.1	2.2	7.7	9.9	7.7
147.5°	1.1	2.2	6.6	8.8	6.6
150°	1.1	2.2	5.5	7.7	4.4
152.5°	1.1	1.1	4.4	6.6	3.3
155°	1.1	1.1	3.3	4.4	2.2
157.5°	1.1	1.1	3.3	3.3	2.2
160°	1.1	1.1	3.3	3.3	1.1
162.5°	1.1	1.1	2.2	2.2	0.0
165°	1.1	2.2	2.2	2.2	0.0
167.5°	1.1	2.2	2.2	2.2	0.0
170°	1.1	2.2	2.2	2.2	0.0
172.5°	1.1	2.2	2.2	2.2	0.0
175°	2.2	2.2	2.2	2.2	0.0
177.5°	2.2	2.2	2.2	2.2	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)