

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-LD5-50SL-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-LD5-50SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

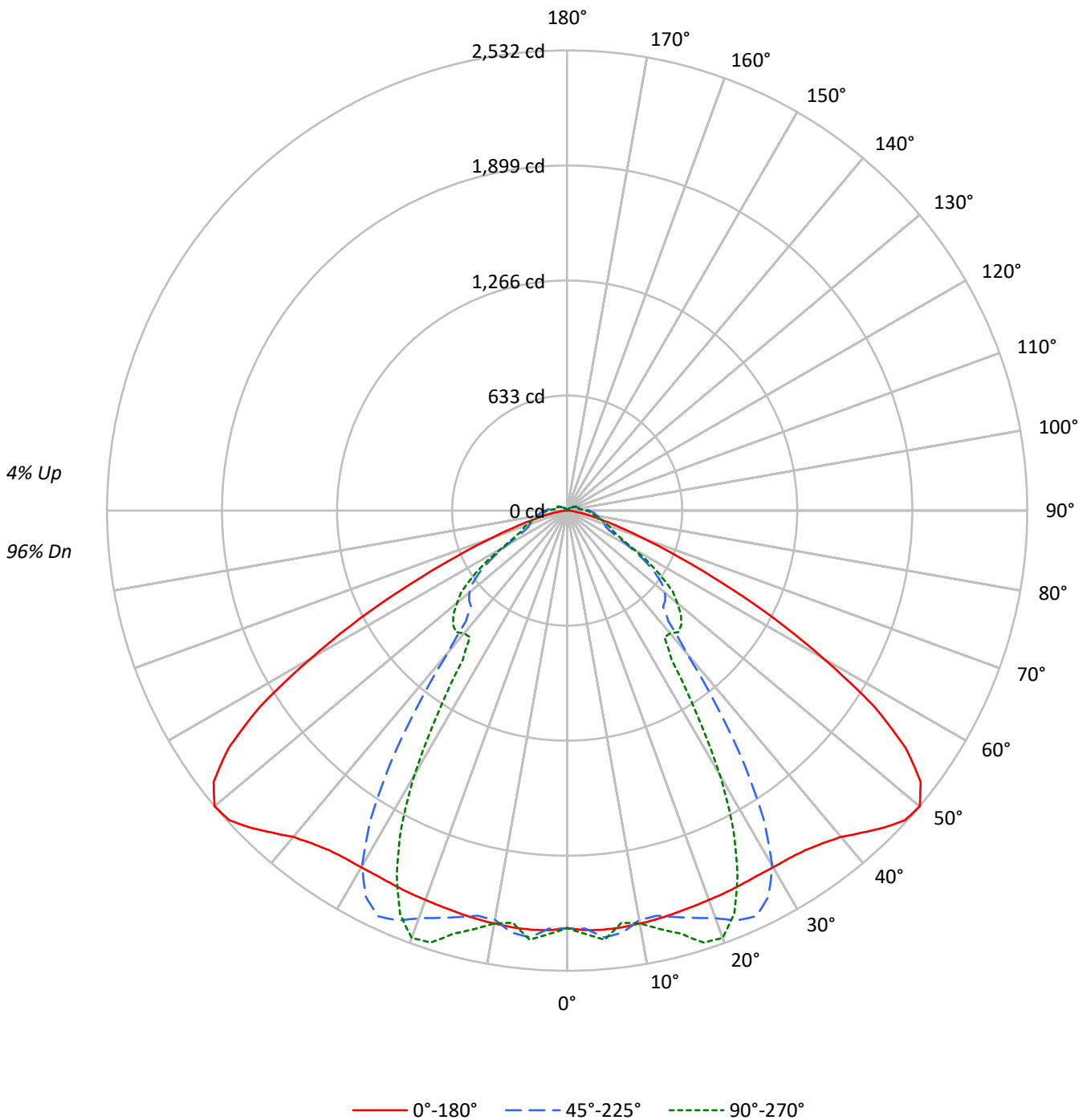
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5542.0 lumens
Efficiency: N/A
Efficacy: 151.0 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): 36.7
Input Voltage (V): NR
Input Current (A_{in}): 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	96				
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83				
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72				
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62				
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54				
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48				
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43				
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38				
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35				
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32				
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26984	26984	26984
5°	27174	26611	26397
10°	27295	25037	24607
15°	27543	24804	24848
20°	28016	25205	25153
25°	28795	25836	21918
30°	29940	23705	16492
35°	31695	17928	9796
40°	34612	10980	8668
45°	39187	8251	8846
50°	43879	8017	8050
55°	43678	6954	6657
60°	35463	4909	4509
65°	23583	3396	3272
70°	13603	3150	2952
75°	7475	3092	2506
80°	4129	2964	2140
85°	1889	2924	2107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	4.0
10°-20°	666.3	12.0
20°-30°	1060.4	19.1
30°-40°	1080.7	19.5
40°-50°	912.7	16.5
50°-60°	703.6	12.7
60°-70°	363.4	6.6
70°-80°	200.8	3.6
80°-90°	127.8	2.3
90°-100°	78.6	1.4
100°-110°	50.7	0.9
110°-120°	36.8	0.7
120°-130°	21.2	0.4
130°-140°	10.3	0.2
140°-150°	4.3	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1948.8	35.2
0°-40°	3029.5	54.7
0°-60°	4645.8	83.8
0°-90°	5337.8	96.3
90°-120°	166.1	3.0
90°-150°	201.9	3.6
90°-180°	204.0	3.7
0°-180°	5542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	2314	2323	2357	2380	2370	221
15°	2293	2294	2316	2398	2409	650
25°	2270	2285	2462	2342	2218	1051
35°	2281	2389	1692	1150	1002	1440
45°	2467	1440	747	862	888	1905
55°	2272	530	584	635	635	1967
65°	932	242	254	286	286	961
75°	193	160	196	197	193	232
85°	21	104	147	142	135	29
90°	0	80	122	112	104	1
95°	0	63	97	85	78	0
105°	0	38	64	59	56	0
115°	1	22	46	56	54	1
125°	1	12	30	36	32	1
135°	1	6	16	20	16	1
145°	1	2	8	11	8	1
155°	1	1	4	5	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2298.0	2298.0	2298.0	2298.0	2298.0
2.5°	2311.0	2302.7	2302.7	2332.3	2332.3
5°	2314.5	2322.8	2357.1	2379.6	2370.1
7.5°	2312.2	2350.0	2341.7	2308.6	2287.4
10°	2307.5	2364.2	2286.2	2308.6	2306.3
12.5°	2301.5	2342.9	2283.8	2363.0	2358.3
15°	2293.3	2294.5	2315.7	2398.5	2409.1
17.5°	2286.2	2263.7	2350.0	2461.1	2491.9
20°	2279.1	2254.3	2386.7	2514.3	2501.3
22.5°	2275.5	2262.5	2441.0	2474.1	2402.0
25°	2269.6	2285.0	2462.3	2341.7	2217.6
27.5°	2264.9	2311.0	2397.3	2116.0	1983.6
30°	2266.1	2347.6	2256.6	1851.2	1684.5
32.5°	2269.6	2383.1	2011.9	1496.5	1324.0
35°	2281.4	2389.0	1691.6	1150.2	1002.4
37.5°	2307.5	2324.0	1342.9	910.2	878.3
40°	2344.1	2127.8	1019.0	849.9	881.8
42.5°	2403.2	1798.0	823.9	859.4	906.7
45°	2467.0	1439.8	747.1	861.7	887.8
47.5°	2521.4	1062.7	731.7	829.8	848.7
50°	2532.1	800.3	702.2	779.0	790.8
52.5°	2451.7	632.4	654.9	711.6	732.9
55°	2272.0	529.6	584.0	634.8	634.8
57.5°	2001.3	449.2	490.6	539.0	534.3
60°	1628.9	370.0	391.3	420.8	413.7
62.5°	1281.4	296.7	303.8	335.7	340.4
65°	931.5	242.3	254.2	286.1	286.1
67.5°	653.7	206.9	229.3	258.9	261.2
70°	445.7	186.8	218.7	242.3	243.5
72.5°	303.8	172.6	208.0	221.1	217.5
75°	192.7	159.6	196.2	197.4	192.7
77.5°	125.3	145.4	184.4	175.0	171.4
80°	76.8	131.2	169.0	157.2	151.3
82.5°	43.7	117.0	157.2	148.9	143.0
85°	21.3	104.0	146.6	141.9	134.8
87.5°	8.3	92.2	134.8	127.7	120.6
90°	0.0	80.4	121.8	112.3	104.0
92.5°	0.0	70.9	108.8	96.9	89.8
95°	0.0	62.7	96.9	85.1	78.0
97.5°	0.0	55.6	86.3	75.7	67.4
100°	0.0	49.6	78.0	67.4	61.5
102.5°	0.0	43.7	69.7	62.7	59.1
105°	0.0	37.8	63.8	59.1	55.6
107.5°	0.0	33.1	57.9	56.7	54.4
110°	0.0	29.6	54.4	55.6	56.7



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.0	49.6	56.7	57.9
115°	1.2	22.5	46.1	55.6	54.4
117.5°	1.2	18.9	41.4	49.6	47.3
120°	1.2	16.5	37.8	44.9	41.4
122.5°	1.2	14.2	33.1	39.0	36.6
125°	1.2	11.8	29.6	35.5	31.9
127.5°	1.2	10.6	26.0	30.7	28.4
130°	1.2	9.5	22.5	27.2	24.8
132.5°	1.2	7.1	20.1	23.6	20.1
135°	1.2	5.9	16.5	20.1	16.5
137.5°	1.2	4.7	14.2	16.5	14.2
140°	1.2	3.5	11.8	14.2	11.8
142.5°	1.2	3.5	9.5	13.0	9.5
145°	1.2	2.4	8.3	10.6	8.3
147.5°	1.2	2.4	7.1	9.5	7.1
150°	1.2	2.4	5.9	8.3	4.7
152.5°	1.2	1.2	4.7	7.1	3.5
155°	1.2	1.2	3.5	4.7	2.4
157.5°	1.2	1.2	3.5	3.5	2.4
160°	1.2	1.2	3.5	3.5	1.2
162.5°	1.2	1.2	2.4	2.4	0.0
165°	1.2	2.4	2.4	2.4	0.0
167.5°	1.2	2.4	2.4	2.4	0.0
170°	1.2	2.4	2.4	2.4	0.0
172.5°	1.2	2.4	2.4	2.4	0.0
175°	2.4	2.4	2.4	2.4	0.0
177.5°	2.4	2.4	2.4	2.4	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)