

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-LD5-55SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-55SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

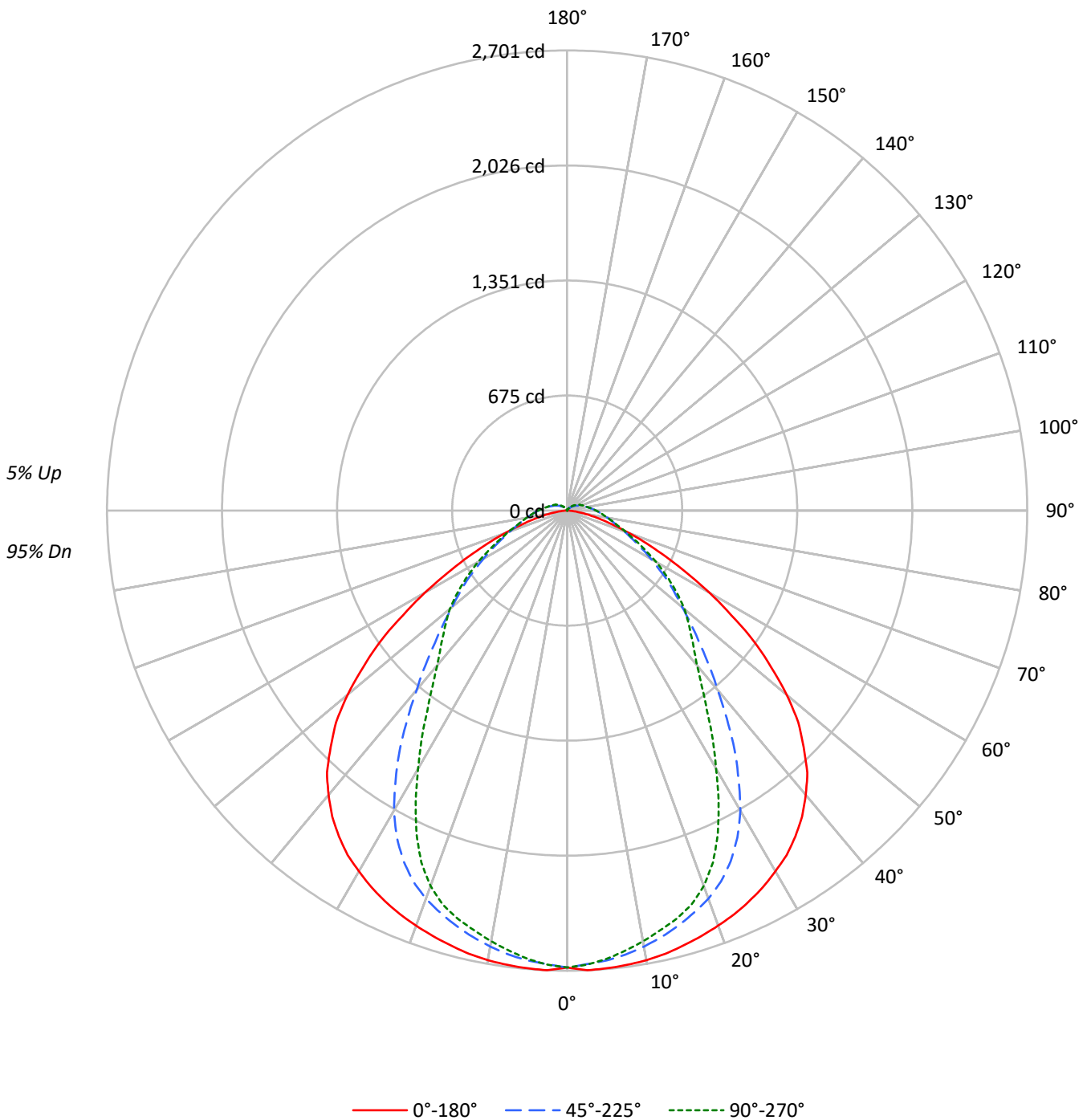
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.0 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 43.1
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	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31493	31493	31493
5°	31661	29933	29426
10°	31693	28451	27391
15°	31731	27013	25584
20°	31870	25604	23575
25°	32098	23829	20679
30°	32297	21362	17127
35°	32441	18158	13966
40°	32174	14810	11647
45°	31178	12129	10237
50°	29158	10070	9142
55°	25755	8597	7851
60°	20974	7130	6559
65°	16114	5971	5371
70°	11769	5112	4448
75°	8231	4521	3784
80°	5521	4188	3378
85°	3192	3993	3149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.7	4.1
10°-20°	717.7	11.7
20°-30°	1048.6	17.1
30°-40°	1119.9	18.3
40°-50°	986.9	16.1
50°-60°	749.4	12.2
60°-70°	477.8	7.8
70°-80°	285.0	4.6
80°-90°	179.0	2.9
90°-100°	118.5	1.9
100°-110°	80.5	1.3
110°-120°	54.2	0.9
120°-130°	33.5	0.5
130°-140°	17.7	0.3
140°-150°	7.6	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	2018.9	32.9
0°-40°	3138.8	51.2
0°-60°	4875.1	79.5
0°-90°	5816.9	94.9
90°-120°	253.2	4.1
90°-150°	312.0	5.1
90°-180°	315.0	5.1
0°-180°	6132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2697	2677	2651	2659	2642	257
15°	2642	2593	2522	2504	2480	747
25°	2530	2416	2271	2162	2092	1167
35°	2335	2082	1713	1498	1429	1459
45°	1963	1477	1098	1034	1027	1509
55°	1340	838	722	747	749	1186
65°	636	431	447	474	470	643
75°	212	219	287	300	291	236
85°	36	119	200	211	202	44
90°	1	89	170	178	170	3
95°	0	68	141	149	141	0
105°	0	43	99	108	104	0
115°	0	27	68	81	80	0
125°	1	17	45	57	56	1
135°	1	9	28	35	33	1
145°	1	4	15	19	17	1
155°	1	3	5	8	5	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2682.0	2682.0	2682.0	2682.0	2682.0
2.5°	2700.7	2684.7	2664.7	2678.0	2667.3
5°	2696.7	2676.7	2651.3	2659.3	2642.0
7.5°	2690.0	2664.7	2628.6	2626.0	2606.0
10°	2679.3	2646.0	2598.0	2588.6	2567.3
12.5°	2664.7	2623.3	2563.3	2548.6	2523.2
15°	2642.0	2592.6	2521.9	2504.5	2480.5
17.5°	2619.3	2557.9	2475.2	2453.8	2425.8
20°	2592.6	2517.9	2424.5	2379.1	2344.4
22.5°	2564.6	2472.5	2357.8	2281.7	2236.3
25°	2529.9	2416.5	2271.0	2161.6	2092.2
27.5°	2491.2	2357.8	2164.3	2006.8	1924.1
30°	2444.5	2279.0	2033.5	1836.0	1749.3
32.5°	2397.8	2193.6	1873.4	1667.9	1589.2
35°	2335.1	2081.6	1713.3	1498.5	1429.1
37.5°	2264.4	1956.1	1538.5	1347.7	1297.0
40°	2179.0	1809.4	1374.4	1222.3	1184.9
42.5°	2086.9	1647.9	1231.6	1120.8	1100.8
45°	1962.8	1477.1	1098.2	1034.1	1027.4
47.5°	1840.0	1306.3	984.7	958.1	962.1
50°	1682.6	1136.9	882.0	891.3	898.0
52.5°	1509.1	980.7	797.9	817.9	823.3
55°	1339.7	838.0	721.9	747.2	748.6
57.5°	1142.2	712.5	639.1	677.8	673.8
60°	963.4	601.8	568.4	599.1	601.8
62.5°	787.3	511.1	505.7	532.4	531.1
65°	636.5	431.0	447.0	473.7	469.7
67.5°	505.7	360.3	397.6	420.3	411.0
70°	385.6	305.6	354.9	372.3	366.9
72.5°	289.6	258.9	317.6	333.6	324.2
75°	212.2	218.8	286.9	300.2	290.9
77.5°	152.1	188.1	262.9	270.9	264.2
80°	102.7	160.1	238.8	249.5	238.8
82.5°	65.4	137.4	218.8	228.2	218.8
85°	36.0	118.8	200.2	210.8	201.5
87.5°	16.0	102.7	184.1	193.5	185.5
90°	1.3	89.4	169.5	177.5	169.5
92.5°	0.0	77.4	154.8	164.1	156.1
95°	0.0	68.1	141.4	149.4	141.4
97.5°	0.0	60.0	129.4	137.4	130.8
100°	0.0	53.4	118.8	126.8	120.1
102.5°	0.0	46.7	108.1	117.4	112.1
105°	0.0	42.7	98.7	108.1	104.1
107.5°	0.0	37.4	90.7	101.4	98.7
110°	0.0	33.4	82.7	94.7	92.1



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-55SL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.7	74.7	88.1	85.4
115°	0.0	26.7	68.1	81.4	80.1
117.5°	0.0	24.0	62.7	74.7	74.7
120°	1.3	21.3	57.4	69.4	68.1
122.5°	1.3	18.7	50.7	62.7	61.4
125°	1.3	17.3	45.4	57.4	56.0
127.5°	1.3	14.7	41.4	50.7	49.4
130°	1.3	13.3	36.0	45.4	44.0
132.5°	1.3	10.7	32.0	40.0	38.7
135°	1.3	9.3	28.0	34.7	33.4
137.5°	1.3	8.0	24.0	30.7	29.4
140°	1.3	6.7	21.3	26.7	25.4
142.5°	1.3	5.3	17.3	22.7	21.3
145°	1.3	4.0	14.7	18.7	17.3
147.5°	1.3	2.7	12.0	16.0	14.7
150°	1.3	2.7	9.3	13.3	12.0
152.5°	1.3	2.7	8.0	10.7	8.0
155°	1.3	2.7	5.3	8.0	5.3
157.5°	1.3	2.7	4.0	5.3	4.0
160°	1.3	2.7	4.0	4.0	1.3
162.5°	1.3	2.7	2.7	1.3	0.0
165°	1.3	2.7	2.7	0.0	0.0
167.5°	1.3	2.7	2.7	0.0	0.0
170°	1.3	2.7	2.7	0.0	0.0
172.5°	1.3	2.7	2.7	0.0	0.0
175°	2.7	2.7	2.7	0.0	0.0
177.5°	1.3	2.7	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)