

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-L840-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-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

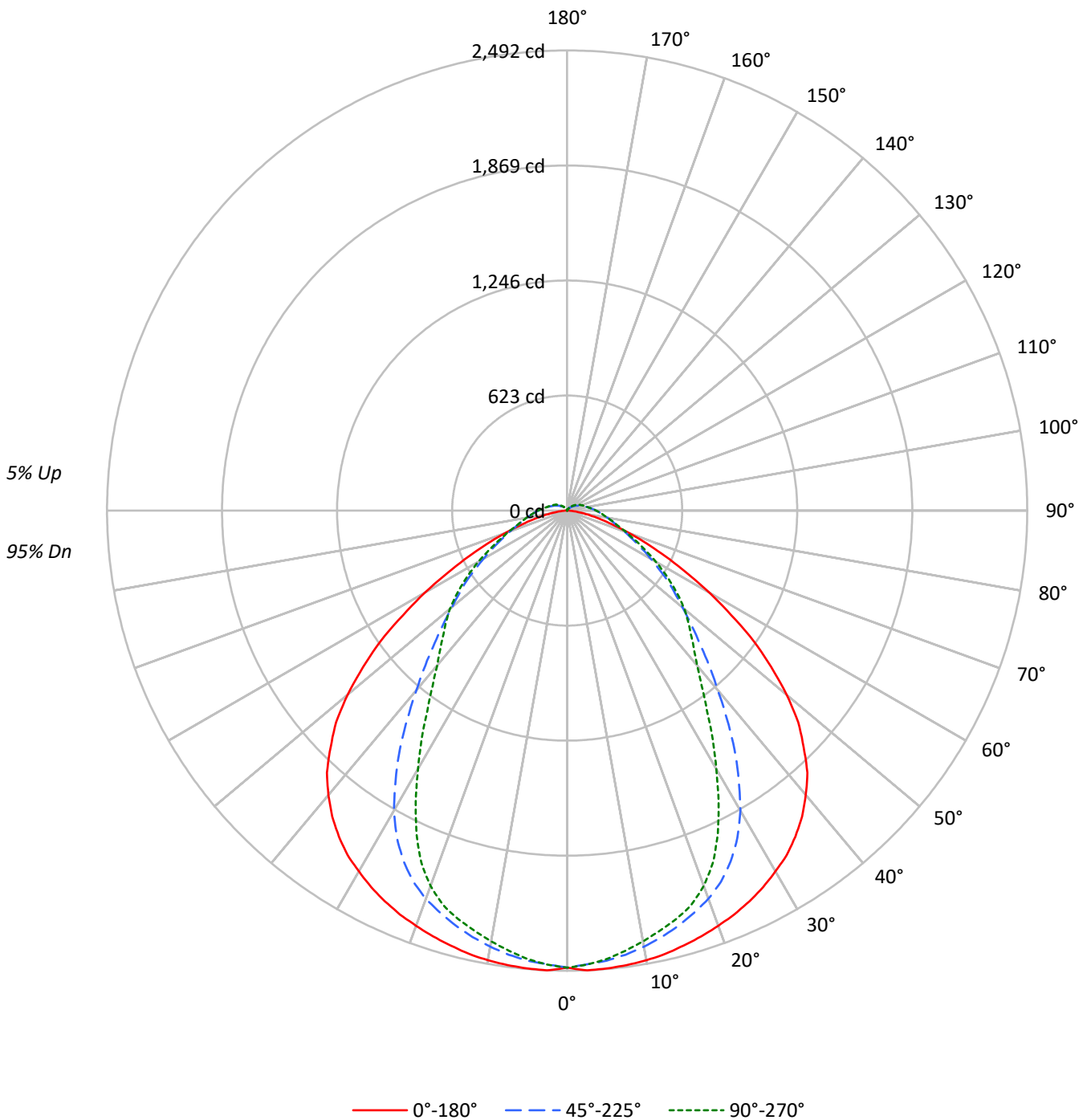
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5659.0 lumens  
Efficiency: N/A  
Efficacy: 131.3 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 (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	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°	29064	29064	29064
5°	29219	27624	27156
10°	29249	26257	25278
15°	29284	24930	23611
20°	29411	23629	21757
25°	29623	21991	19083
30°	29806	19715	15806
35°	29939	16757	12888
40°	29692	13668	10749
45°	28773	11193	9448
50°	26909	9293	8436
55°	23767	7933	7245
60°	19356	6581	6053
65°	14871	5511	4957
70°	10862	4719	4105
75°	7595	4172	3491
80°	5097	3865	3117
85°	2944	3684	2906



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.2	4.1
10°-20°	662.3	11.7
20°-30°	967.7	17.1
30°-40°	1033.5	18.3
40°-50°	910.8	16.1
50°-60°	691.6	12.2
60°-70°	440.9	7.8
70°-80°	263.0	4.6
80°-90°	165.2	2.9
90°-100°	109.3	1.9
100°-110°	74.3	1.3
110°-120°	50.0	0.9
120°-130°	30.9	0.5
130°-140°	16.3	0.3
140°-150°	7.1	0.1
150°-160°	2.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1863.2	32.9
0°-40°	2896.7	51.2
0°-60°	4499.1	79.5
0°-90°	5368.2	94.9
90°-120°	233.6	4.1
90°-150°	287.9	5.1
90°-180°	291.0	5.1
0°-180°	5659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2475	2475	2475	2475	2475	
5°	2489	2470	2447	2454	2438	237
15°	2438	2393	2327	2311	2289	690
25°	2335	2230	2096	1995	1931	1077
35°	2155	1921	1581	1383	1319	1346
45°	1811	1363	1013	954	948	1393
55°	1236	773	666	690	691	1094
65°	587	398	412	437	434	593
75°	196	202	265	277	268	218
85°	33	110	185	195	186	40
90°	1	82	156	164	156	2
95°	0	63	130	138	130	0
105°	0	39	91	100	96	0
115°	0	25	63	75	74	0
125°	1	16	42	53	52	1
135°	1	9	26	32	31	1
145°	1	4	14	17	16	1
155°	1	2	5	7	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2475.1	2475.1	2475.1	2475.1	2475.1
2.5°	2492.4	2477.6	2459.1	2471.4	2461.6
5°	2488.7	2470.2	2446.8	2454.2	2438.2
7.5°	2482.5	2459.1	2425.9	2423.4	2404.9
10°	2472.7	2441.9	2397.6	2388.9	2369.2
12.5°	2459.1	2421.0	2365.5	2352.0	2328.6
15°	2438.2	2392.6	2327.4	2311.4	2289.2
17.5°	2417.3	2360.6	2284.3	2264.6	2238.7
20°	2392.6	2323.7	2237.5	2195.6	2163.6
22.5°	2366.8	2281.8	2175.9	2105.7	2063.8
25°	2334.8	2230.1	2095.9	1994.9	1930.8
27.5°	2299.0	2175.9	1997.3	1852.0	1775.7
30°	2255.9	2103.2	1876.7	1694.4	1614.4
32.5°	2212.8	2024.4	1728.9	1539.3	1466.6
35°	2155.0	1921.0	1581.1	1382.9	1318.8
37.5°	2089.7	1805.2	1419.8	1243.7	1196.9
40°	2010.9	1669.8	1268.4	1128.0	1093.5
42.5°	1925.9	1520.8	1136.6	1034.4	1015.9
45°	1811.4	1363.2	1013.4	954.3	948.2
47.5°	1698.1	1205.5	908.8	884.2	887.8
50°	1552.8	1049.2	814.0	822.6	828.7
52.5°	1392.7	905.1	736.4	754.9	759.8
55°	1236.3	773.3	666.2	689.6	690.8
57.5°	1054.1	657.6	589.8	625.6	621.9
60°	889.1	555.4	524.6	552.9	555.4
62.5°	726.5	471.6	466.7	491.3	490.1
65°	587.4	397.7	412.5	437.2	433.5
67.5°	466.7	332.5	367.0	387.9	379.3
70°	355.9	282.0	327.6	343.6	338.6
72.5°	267.2	238.9	293.1	307.9	299.2
75°	195.8	202.0	264.8	277.1	268.4
77.5°	140.4	173.6	242.6	250.0	243.8
80°	94.8	147.8	220.4	230.3	220.4
82.5°	60.3	126.8	202.0	210.6	202.0
85°	33.2	109.6	184.7	194.6	185.9
87.5°	14.8	94.8	169.9	178.6	171.2
90°	1.2	82.5	156.4	163.8	156.4
92.5°	0.0	71.4	142.8	151.5	144.1
95°	0.0	62.8	130.5	137.9	130.5
97.5°	0.0	55.4	119.4	126.8	120.7
100°	0.0	49.3	109.6	117.0	110.8
102.5°	0.0	43.1	99.7	108.4	103.4
105°	0.0	39.4	91.1	99.7	96.0
107.5°	0.0	34.5	83.7	93.6	91.1
110°	0.0	30.8	76.3	87.4	85.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.3	69.0	81.3	78.8
115°	0.0	24.6	62.8	75.1	73.9
117.5°	0.0	22.2	57.9	69.0	69.0
120°	1.2	19.7	53.0	64.0	62.8
122.5°	1.2	17.2	46.8	57.9	56.6
125°	1.2	16.0	41.9	53.0	51.7
127.5°	1.2	13.5	38.2	46.8	45.6
130°	1.2	12.3	33.2	41.9	40.6
132.5°	1.2	9.9	29.6	36.9	35.7
135°	1.2	8.6	25.9	32.0	30.8
137.5°	1.2	7.4	22.2	28.3	27.1
140°	1.2	6.2	19.7	24.6	23.4
142.5°	1.2	4.9	16.0	20.9	19.7
145°	1.2	3.7	13.5	17.2	16.0
147.5°	1.2	2.5	11.1	14.8	13.5
150°	1.2	2.5	8.6	12.3	11.1
152.5°	1.2	2.5	7.4	9.9	7.4
155°	1.2	2.5	4.9	7.4	4.9
157.5°	1.2	2.5	3.7	4.9	3.7
160°	1.2	2.5	3.7	3.7	1.2
162.5°	1.2	2.5	2.5	1.2	0.0
165°	1.2	2.5	2.5	0.0	0.0
167.5°	1.2	2.5	2.5	0.0	0.0
170°	1.2	2.5	2.5	0.0	0.0
172.5°	1.2	2.5	2.5	0.0	0.0
175°	2.5	2.5	2.5	0.0	0.0
177.5°	1.2	2.5	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)