

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: **8SRL-LD5-104SL-LN-UNV-L835-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: 8SRL-LD5-104SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

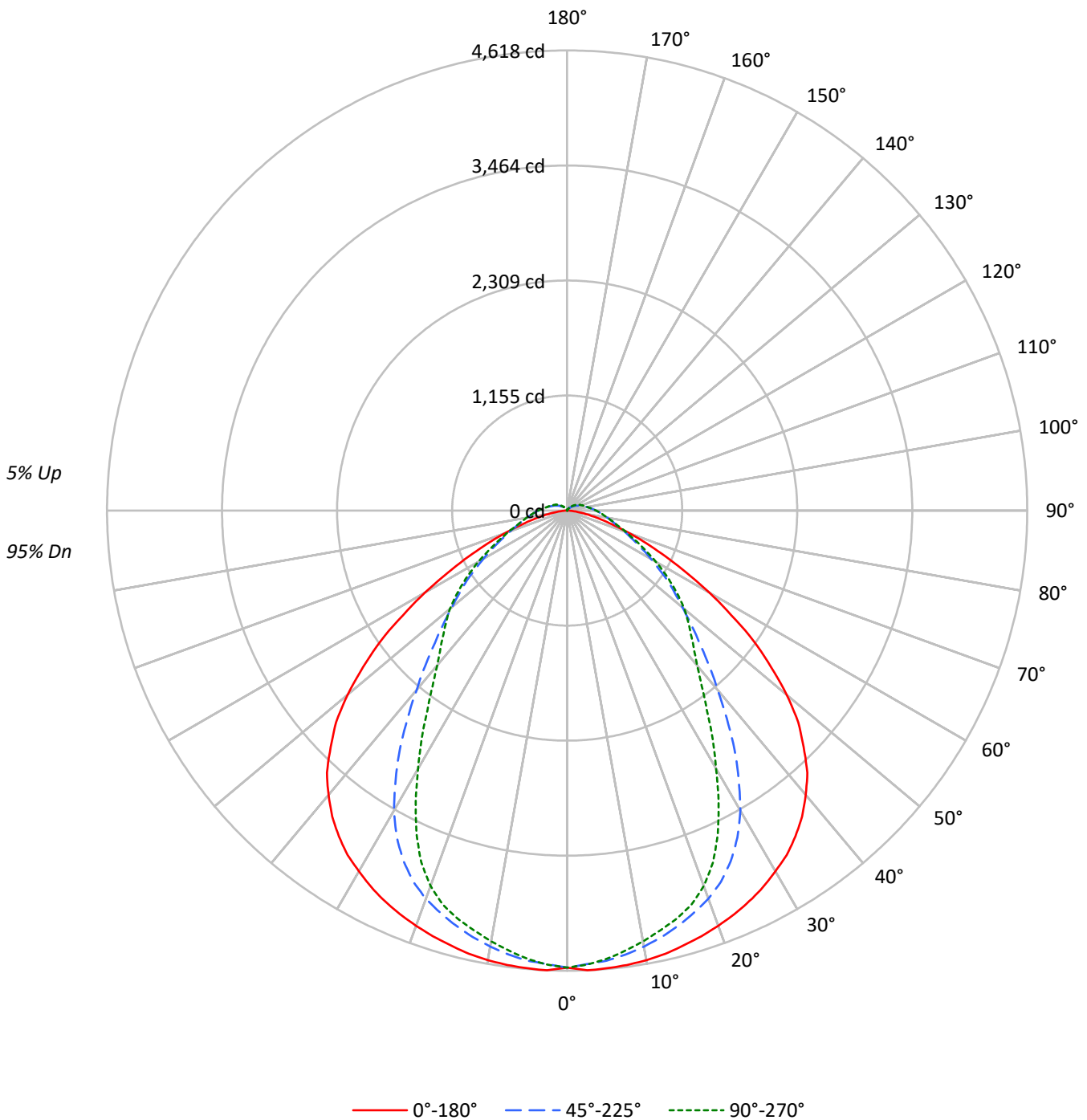
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10485.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 79.7  
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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26925	26925	26925
5°	27122	25626	25157
10°	27204	24387	23418
15°	27293	23182	21873
20°	27471	21999	20156
25°	27729	20497	17680
30°	27970	18396	14642
35°	28169	15654	11940
40°	28021	12783	9958
45°	27248	10481	8752
50°	25586	8713	7816
55°	22711	7449	6712
60°	18611	6188	5608
65°	14417	5191	4592
70°	10654	4453	3803
75°	7586	3947	3235
80°	5262	3668	2888
85°	3294	3508	2692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.1	4.1
10°-20°	1227.1	11.7
20°-30°	1792.9	17.1
30°-40°	1914.9	18.3
40°-50°	1687.5	16.1
50°-60°	1281.4	12.2
60°-70°	816.9	7.8
70°-80°	487.3	4.6
80°-90°	306.1	2.9
90°-100°	202.6	1.9
100°-110°	137.7	1.3
110°-120°	92.6	0.9
120°-130°	57.2	0.5
130°-140°	30.3	0.3
140°-150°	13.1	0.1
150°-160°	4.2	0.0
160°-170°	0.9	0.0
170°-180°	0.2	0.0
0°-30°	3452.1	32.9
0°-40°	5367.0	51.2
0°-60°	8336.0	79.5
0°-90°	9946.2	94.9
90°-120°	432.9	4.1
90°-150°	533.5	5.1
90°-180°	539.0	5.1
0°-180°	10485.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4586	4586	4586	4586	4586	
5°	4611	4577	4534	4547	4518	439
15°	4518	4433	4312	4282	4241	1278
25°	4326	4132	3883	3696	3578	1996
35°	3993	3559	2930	2562	2444	2494
45°	3356	2526	1878	1768	1757	2580
55°	2291	1433	1234	1278	1280	2027
65°	1088	737	764	810	803	1099
75°	363	374	490	513	497	404
85°	62	203	342	360	344	75
90°	2	153	290	303	290	4
95°	0	116	242	256	242	0
105°	0	73	169	185	178	0
115°	0	46	116	139	137	0
125°	2	30	78	98	96	2
135°	2	16	48	59	57	2
145°	2	7	25	32	30	1
155°	2	5	9	14	9	1
165°	2	5	5	0	0	1
175°	5	5	5	0	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4585.9	4585.9	4585.9	4585.9	4585.9
2.5°	4617.9	4590.5	4556.3	4579.1	4560.8
5°	4611.0	4576.8	4533.5	4547.1	4517.5
7.5°	4599.6	4556.3	4494.7	4490.1	4455.9
10°	4581.4	4524.3	4442.2	4426.2	4389.7
12.5°	4556.3	4485.5	4382.9	4357.8	4314.4
15°	4517.5	4433.1	4312.1	4282.5	4241.4
17.5°	4478.7	4373.7	4232.3	4195.8	4147.9
20°	4433.1	4305.3	4145.6	4068.0	4008.7
22.5°	4385.2	4227.7	4031.5	3901.5	3823.9
25°	4325.8	4131.9	3883.2	3696.1	3577.5
27.5°	4259.7	4031.5	3700.7	3431.5	3290.0
30°	4179.8	3896.9	3477.1	3139.4	2991.1
32.5°	4100.0	3750.9	3203.3	2851.9	2717.3
35°	3992.7	3559.2	2929.5	2562.2	2443.5
37.5°	3871.8	3344.8	2630.6	2304.4	2217.7
40°	3725.8	3093.8	2350.0	2089.9	2026.0
42.5°	3568.4	2817.7	2105.9	1916.5	1882.3
45°	3356.2	2525.7	1877.7	1768.2	1756.8
47.5°	3146.3	2233.6	1683.8	1638.2	1645.0
50°	2877.0	1943.9	1508.1	1524.1	1535.5
52.5°	2580.4	1676.9	1364.4	1398.6	1407.7
55°	2290.7	1432.8	1234.3	1277.7	1280.0
57.5°	1953.0	1218.4	1092.9	1159.0	1152.2
60°	1647.3	1029.0	971.9	1024.4	1029.0
62.5°	1346.1	873.8	864.7	910.3	908.1
65°	1088.3	736.9	764.3	810.0	803.1
67.5°	864.7	616.0	679.9	718.7	702.7
70°	659.4	522.5	606.9	636.6	627.4
72.5°	495.1	442.6	543.0	570.4	554.4
75°	362.8	374.2	490.5	513.4	497.4
77.5°	260.1	321.7	449.5	463.2	451.7
80°	175.7	273.8	408.4	426.7	408.4
82.5°	111.8	235.0	374.2	390.1	374.2
85°	61.6	203.1	342.2	360.5	344.5
87.5°	27.4	175.7	314.9	330.8	317.1
90°	2.3	152.9	289.8	303.4	289.8
92.5°	0.0	132.3	264.7	280.6	266.9
95°	0.0	116.4	241.8	255.5	241.8
97.5°	0.0	102.7	221.3	235.0	223.6
100°	0.0	91.3	203.1	216.7	205.3
102.5°	0.0	79.9	184.8	200.8	191.7
105°	0.0	73.0	168.8	184.8	178.0
107.5°	0.0	63.9	155.1	173.4	168.8
110°	0.0	57.0	141.5	162.0	157.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	52.5	127.8	150.6	146.0
115°	0.0	45.6	116.4	139.2	136.9
117.5°	0.0	41.1	107.2	127.8	127.8
120°	2.3	36.5	98.1	118.6	116.4
122.5°	2.3	31.9	86.7	107.2	105.0
125°	2.3	29.7	77.6	98.1	95.8
127.5°	2.3	25.1	70.7	86.7	84.4
130°	2.3	22.8	61.6	77.6	75.3
132.5°	2.3	18.3	54.8	68.4	66.2
135°	2.3	16.0	47.9	59.3	57.0
137.5°	2.3	13.7	41.1	52.5	50.2
140°	2.3	11.4	36.5	45.6	43.3
142.5°	2.3	9.1	29.7	38.8	36.5
145°	2.3	6.8	25.1	31.9	29.7
147.5°	2.3	4.6	20.5	27.4	25.1
150°	2.3	4.6	16.0	22.8	20.5
152.5°	2.3	4.6	13.7	18.3	13.7
155°	2.3	4.6	9.1	13.7	9.1
157.5°	2.3	4.6	6.8	9.1	6.8
160°	2.3	4.6	6.8	6.8	2.3
162.5°	2.3	4.6	4.6	2.3	0.0
165°	2.3	4.6	4.6	0.0	0.0
167.5°	2.3	4.6	4.6	0.0	0.0
170°	2.3	4.6	4.6	0.0	0.0
172.5°	2.3	4.6	4.6	0.0	0.0
175°	4.6	4.6	4.6	0.0	0.0
177.5°	2.3	4.6	2.3	0.0	0.0
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)