

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-LD5-96SL-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-LD5-96SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

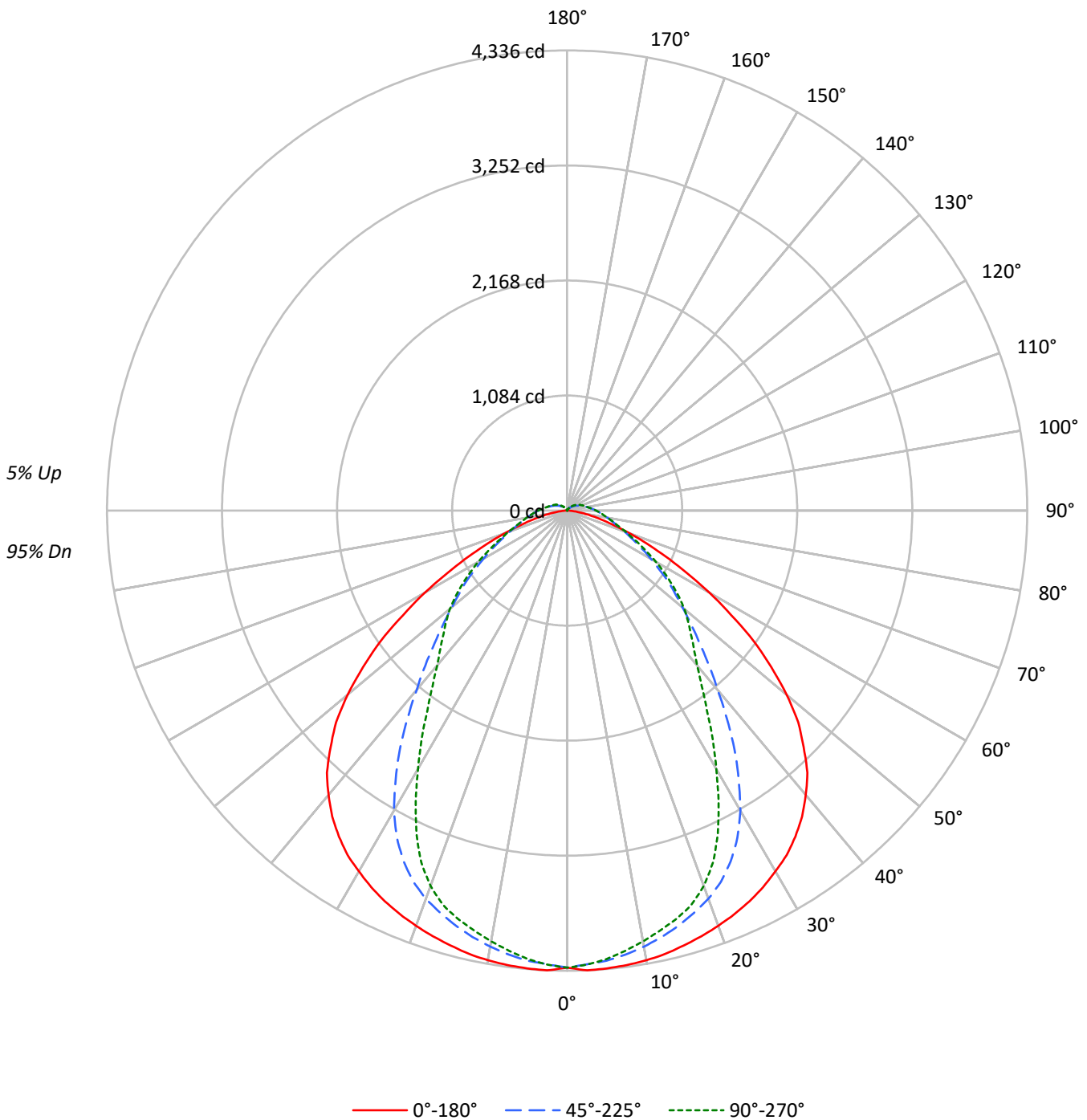
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9846.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 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): 73.4  
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	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°	25284	25284	25284
5°	25469	24064	23624
10°	25546	22901	21991
15°	25629	21769	20540
20°	25797	20658	18927
25°	26040	19247	16602
30°	26266	17275	13750
35°	26453	14700	11212
40°	26313	12004	9351
45°	25587	9843	8219
50°	24027	8182	7339
55°	21327	6995	6302
60°	17476	5811	5266
65°	13538	4875	4312
70°	10005	4182	3572
75°	7124	3706	3038
80°	4942	3444	2712
85°	3091	3294	2528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.7	4.1
10°-20°	1152.4	11.7
20°-30°	1683.7	17.1
30°-40°	1798.2	18.3
40°-50°	1584.7	16.1
50°-60°	1203.3	12.2
60°-70°	767.1	7.8
70°-80°	457.6	4.6
80°-90°	287.5	2.9
90°-100°	190.2	1.9
100°-110°	129.3	1.3
110°-120°	87.0	0.9
120°-130°	53.7	0.5
130°-140°	28.4	0.3
140°-150°	12.3	0.1
150°-160°	3.9	0.0
160°-170°	0.8	0.0
170°-180°	0.2	0.0
0°-30°	3241.7	32.9
0°-40°	5039.9	51.2
0°-60°	7827.9	79.5
0°-90°	9340.1	94.9
90°-120°	406.5	4.1
90°-150°	500.9	5.1
90°-180°	506.0	5.1
0°-180°	9846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4306	4306	4306	4306	4306	
5°	4330	4298	4257	4270	4242	412
15°	4242	4163	4049	4022	3983	1200
25°	4062	3880	3646	3471	3360	1874
35°	3749	3342	2751	2406	2295	2342
45°	3152	2372	1763	1660	1650	2423
55°	2151	1346	1159	1200	1202	1904
65°	1022	692	718	761	754	1032
75°	341	351	461	482	467	380
85°	58	191	321	338	324	70
90°	2	144	272	285	272	4
95°	0	109	227	240	227	0
105°	0	69	158	174	167	0
115°	0	43	109	131	129	0
125°	2	28	73	92	90	2
135°	2	15	45	56	54	2
145°	2	6	24	30	28	1
155°	2	4	9	13	9	1
165°	2	4	4	0	0	1
175°	4	4	4	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°	4306.4	4306.4	4306.4	4306.4	4306.4
2.5°	4336.4	4310.7	4278.6	4300.0	4282.9
5°	4330.0	4297.9	4257.2	4270.0	4242.2
7.5°	4319.3	4278.6	4220.7	4216.5	4184.3
10°	4302.2	4248.6	4171.5	4156.5	4122.2
12.5°	4278.6	4212.2	4115.8	4092.2	4051.5
15°	4242.2	4162.9	4049.3	4021.5	3982.9
17.5°	4205.7	4107.2	3974.4	3940.1	3895.1
20°	4162.9	4042.9	3892.9	3820.1	3764.4
22.5°	4117.9	3970.1	3785.8	3663.7	3590.8
25°	4062.2	3880.1	3646.5	3470.9	3359.5
27.5°	4000.1	3785.8	3475.1	3222.3	3089.5
30°	3925.1	3659.4	3265.2	2948.1	2808.8
32.5°	3850.1	3522.3	3008.1	2678.1	2551.7
35°	3749.4	3342.3	2751.0	2406.0	2294.6
37.5°	3635.8	3140.9	2470.3	2163.9	2082.5
40°	3498.7	2905.2	2206.8	1962.5	1902.5
42.5°	3350.9	2646.0	1977.5	1799.7	1767.6
45°	3151.6	2371.8	1763.3	1660.4	1649.7
47.5°	2954.5	2097.5	1581.2	1538.3	1544.7
50°	2701.7	1825.4	1416.2	1431.2	1441.9
52.5°	2423.2	1574.7	1281.2	1313.4	1321.9
55°	2151.1	1345.5	1159.1	1199.8	1201.9
57.5°	1834.0	1144.1	1026.3	1088.4	1082.0
60°	1546.9	966.3	912.7	962.0	966.3
62.5°	1264.1	820.6	812.0	854.9	852.7
65°	1022.0	692.0	717.7	760.6	754.2
67.5°	812.0	578.5	638.5	674.9	659.9
70°	619.2	490.6	569.9	597.8	589.2
72.5°	464.9	415.6	509.9	535.6	520.6
75°	340.7	351.4	460.6	482.1	467.1
77.5°	244.2	302.1	422.1	434.9	424.2
80°	165.0	257.1	383.5	400.6	383.5
82.5°	105.0	220.7	351.4	366.4	351.4
85°	57.8	190.7	321.4	338.5	323.5
87.5°	25.7	165.0	295.7	310.7	297.8
90°	2.1	143.5	272.1	285.0	272.1
92.5°	0.0	124.3	248.5	263.5	250.7
95°	0.0	109.3	227.1	240.0	227.1
97.5°	0.0	96.4	207.8	220.7	210.0
100°	0.0	85.7	190.7	203.5	192.8
102.5°	0.0	75.0	173.5	188.5	180.0
105°	0.0	68.6	158.5	173.5	167.1
107.5°	0.0	60.0	145.7	162.8	158.5
110°	0.0	53.6	132.8	152.1	147.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.3	120.0	141.4	137.1
115°	0.0	42.9	109.3	130.7	128.6
117.5°	0.0	38.6	100.7	120.0	120.0
120°	2.1	34.3	92.1	111.4	109.3
122.5°	2.1	30.0	81.4	100.7	98.6
125°	2.1	27.9	72.8	92.1	90.0
127.5°	2.1	23.6	66.4	81.4	79.3
130°	2.1	21.4	57.8	72.8	70.7
132.5°	2.1	17.1	51.4	64.3	62.1
135°	2.1	15.0	45.0	55.7	53.6
137.5°	2.1	12.9	38.6	49.3	47.1
140°	2.1	10.7	34.3	42.9	40.7
142.5°	2.1	8.6	27.9	36.4	34.3
145°	2.1	6.4	23.6	30.0	27.9
147.5°	2.1	4.3	19.3	25.7	23.6
150°	2.1	4.3	15.0	21.4	19.3
152.5°	2.1	4.3	12.9	17.1	12.9
155°	2.1	4.3	8.6	12.9	8.6
157.5°	2.1	4.3	6.4	8.6	6.4
160°	2.1	4.3	6.4	6.4	2.1
162.5°	2.1	4.3	4.3	2.1	0.0
165°	2.1	4.3	4.3	0.0	0.0
167.5°	2.1	4.3	4.3	0.0	0.0
170°	2.1	4.3	4.3	0.0	0.0
172.5°	2.1	4.3	4.3	0.0	0.0
175°	4.3	4.3	4.3	0.0	0.0
177.5°	2.1	4.3	2.1	0.0	0.0
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)