

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-LD5-106SL-LC-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 (P35657)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SRL-LD5-106SL-LC-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

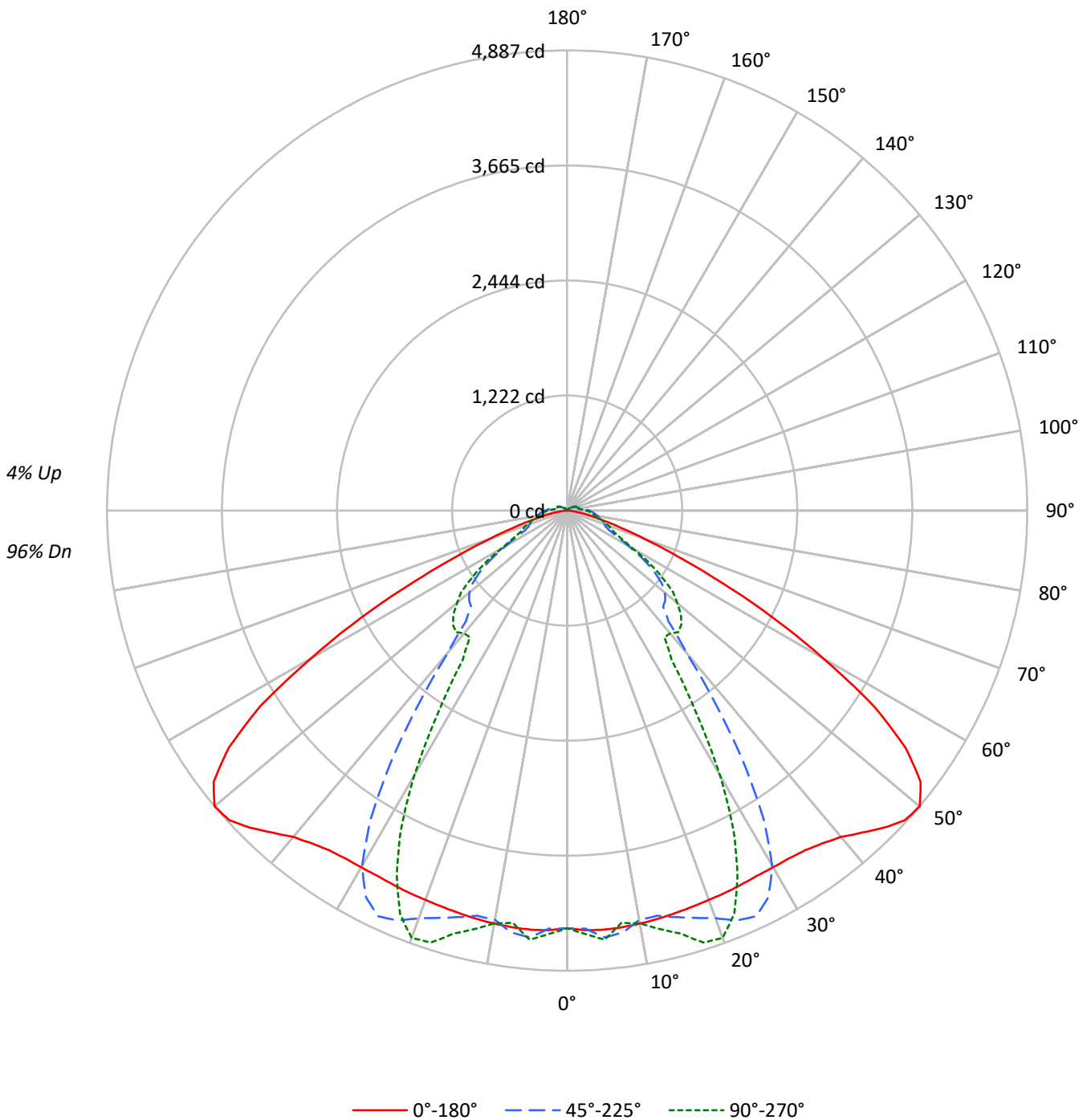
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10697.0 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12  
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	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°	26042	26042	26042
5°	26278	25717	25476
10°	26447	24225	23747
15°	26742	24030	23980
20°	27260	24445	24275
25°	28082	25086	21153
30°	29269	23044	15916
35°	31068	17446	9454
40°	34028	10698	8366
45°	38659	8049	8536
50°	43463	7830	7769
55°	43477	6802	6424
60°	35521	4808	4352
65°	23817	3332	3157
70°	13899	3097	2849
75°	7777	3048	2419
80°	4442	2931	2066
85°	2198	2900	2033



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.8	4.0
10°-20°	1286.0	12.0
20°-30°	2046.7	19.1
30°-40°	2085.9	19.5
40°-50°	1761.7	16.5
50°-60°	1358.0	12.7
60°-70°	701.5	6.6
70°-80°	387.6	3.6
80°-90°	246.7	2.3
90°-100°	151.8	1.4
100°-110°	97.9	0.9
110°-120°	71.0	0.7
120°-130°	41.0	0.4
130°-140°	19.8	0.2
140°-150°	8.3	0.1
150°-160°	2.9	0.0
160°-170°	1.0	0.0
170°-180°	0.4	0.0
0°-30°	3761.5	35.2
0°-40°	5847.4	54.7
0°-60°	8967.1	83.8
0°-90°	10302.9	96.3
90°-120°	320.7	3.0
90°-150°	389.8	3.6
90°-180°	394.0	3.7
0°-180°	10697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4436	4436	4436	4436	4436	
5°	4468	4483	4550	4593	4575	426
15°	4426	4429	4470	4630	4650	1254
25°	4381	4410	4753	4520	4280	2028
35°	4404	4611	3265	2220	1935	2780
45°	4762	2779	1442	1663	1714	3678
55°	4385	1022	1127	1225	1225	3797
65°	1798	468	491	552	552	1855
75°	372	308	379	381	372	448
85°	41	201	283	274	260	56
90°	0	155	235	217	201	2
95°	0	121	187	164	151	0
105°	0	73	123	114	107	0
115°	2	43	89	107	105	1
125°	2	23	57	68	62	2
135°	2	11	32	39	32	2
145°	2	5	16	20	16	1
155°	2	2	7	9	5	1
165°	2	5	5	5	0	1
175°	5	5	5	5	0	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4435.5	4435.5	4435.5	4435.5	4435.5
2.5°	4460.6	4444.7	4444.7	4501.7	4501.7
5°	4467.5	4483.4	4549.6	4593.0	4574.7
7.5°	4462.9	4535.9	4519.9	4456.1	4415.0
10°	4453.8	4563.3	4412.7	4456.1	4451.5
12.5°	4442.4	4522.2	4408.1	4561.0	4551.9
15°	4426.4	4428.7	4469.8	4629.5	4650.0
17.5°	4412.7	4369.4	4535.9	4750.4	4809.7
20°	4399.0	4351.1	4606.7	4853.1	4828.0
22.5°	4392.2	4367.1	4711.6	4775.5	4636.3
25°	4380.8	4410.4	4752.7	4519.9	4280.4
27.5°	4371.6	4460.6	4627.2	4084.2	3828.6
30°	4373.9	4531.4	4355.7	3573.1	3251.4
32.5°	4380.8	4599.8	3883.4	2888.6	2555.4
35°	4403.6	4611.2	3265.0	2220.0	1934.8
37.5°	4453.8	4485.7	2592.0	1756.9	1695.3
40°	4524.5	4107.0	1966.8	1640.5	1702.1
42.5°	4638.6	3470.4	1590.3	1658.8	1750.0
45°	4761.8	2779.1	1442.0	1663.3	1713.5
47.5°	4866.8	2051.2	1412.3	1601.7	1638.2
50°	4887.3	1544.7	1355.3	1503.6	1526.4
52.5°	4732.1	1220.7	1264.0	1373.6	1414.6
55°	4385.3	1022.2	1127.1	1225.2	1225.2
57.5°	3862.8	867.0	946.9	1040.4	1031.3
60°	3144.1	714.2	755.2	812.3	798.6
62.5°	2473.3	572.7	586.4	648.0	657.1
65°	1797.9	467.7	490.6	552.2	552.2
67.5°	1261.8	399.3	442.6	499.7	504.2
70°	860.2	360.5	422.1	467.7	470.0
72.5°	586.4	333.1	401.6	426.7	419.8
75°	371.9	308.0	378.8	381.0	371.9
77.5°	241.9	280.6	355.9	337.7	330.8
80°	148.3	253.3	326.3	303.5	292.1
82.5°	84.4	225.9	303.5	287.5	276.1
85°	41.1	200.8	282.9	273.8	260.1
87.5°	16.0	178.0	260.1	246.4	232.7
90°	0.0	155.2	235.0	216.8	200.8
92.5°	0.0	136.9	209.9	187.1	173.4
95°	0.0	120.9	187.1	164.3	150.6
97.5°	0.0	107.2	166.6	146.0	130.1
100°	0.0	95.8	150.6	130.1	118.6
102.5°	0.0	84.4	134.6	120.9	114.1
105°	0.0	73.0	123.2	114.1	107.2
107.5°	0.0	63.9	111.8	109.5	105.0
110°	0.0	57.0	105.0	107.2	109.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.2	95.8	109.5	111.8
115°	2.3	43.4	89.0	107.2	105.0
117.5°	2.3	36.5	79.9	95.8	91.3
120°	2.3	31.9	73.0	86.7	79.9
122.5°	2.3	27.4	63.9	75.3	70.7
125°	2.3	22.8	57.0	68.4	61.6
127.5°	2.3	20.5	50.2	59.3	54.8
130°	2.3	18.3	43.4	52.5	47.9
132.5°	2.3	13.7	38.8	45.6	38.8
135°	2.3	11.4	31.9	38.8	31.9
137.5°	2.3	9.1	27.4	31.9	27.4
140°	2.3	6.8	22.8	27.4	22.8
142.5°	2.3	6.8	18.3	25.1	18.3
145°	2.3	4.6	16.0	20.5	16.0
147.5°	2.3	4.6	13.7	18.3	13.7
150°	2.3	4.6	11.4	16.0	9.1
152.5°	2.3	2.3	9.1	13.7	6.8
155°	2.3	2.3	6.8	9.1	4.6
157.5°	2.3	2.3	6.8	6.8	4.6
160°	2.3	2.3	6.8	6.8	2.3
162.5°	2.3	2.3	4.6	4.6	0.0
165°	2.3	4.6	4.6	4.6	0.0
167.5°	2.3	4.6	4.6	4.6	0.0
170°	2.3	4.6	4.6	4.6	0.0
172.5°	2.3	4.6	4.6	4.6	0.0
175°	4.6	4.6	4.6	4.6	0.0
177.5°	4.6	4.6	4.6	4.6	0.0
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)