

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-LD5-67SL-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: 8SRL-LD5-67SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

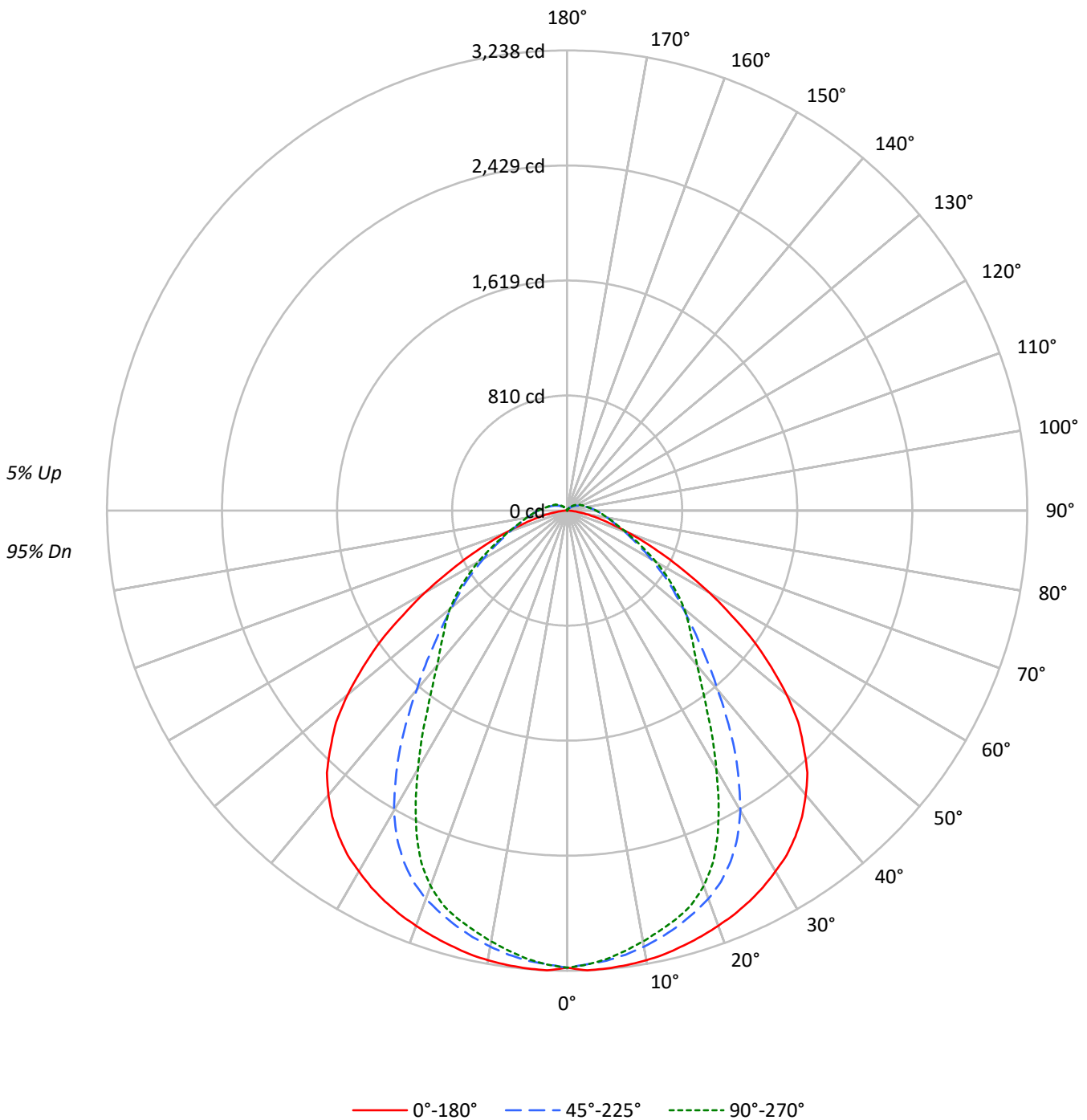
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7352.9 lumens
Efficiency: N/A
Efficacy: 159.2 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): 46.2
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°	18882	18882	18882
5°	19020	17971	17643
10°	19078	17103	16423
15°	19140	16258	15340
20°	19265	15427	14135
25°	19447	14374	12398
30°	19615	12900	10268
35°	19754	10978	8373
40°	19651	8964	6983
45°	19108	7350	6138
50°	17943	6110	5481
55°	15926	5224	4707
60°	13051	4340	3932
65°	10110	3641	3220
70°	7471	3123	2667
75°	5320	2768	2268
80°	3690	2572	2025
85°	2310	2460	1888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	4.1
10°-20°	860.6	11.7
20°-30°	1257.3	17.1
30°-40°	1342.9	18.3
40°-50°	1183.4	16.1
50°-60°	898.6	12.2
60°-70°	572.9	7.8
70°-80°	341.7	4.6
80°-90°	214.7	2.9
90°-100°	142.1	1.9
100°-110°	96.6	1.3
110°-120°	64.9	0.9
120°-130°	40.1	0.5
130°-140°	21.2	0.3
140°-150°	9.2	0.1
150°-160°	2.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2420.9	32.9
0°-40°	3763.8	51.2
0°-60°	5845.8	79.5
0°-90°	6975.1	94.9
90°-120°	303.6	4.1
90°-150°	374.1	5.1
90°-180°	378.0	5.1
0°-180°	7352.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3216	3216	3216	3216	3216	
5°	3234	3210	3179	3189	3168	308
15°	3168	3109	3024	3003	2974	896
25°	3034	2898	2723	2592	2509	1400
35°	2800	2496	2054	1797	1714	1749
45°	2354	1771	1317	1240	1232	1809
55°	1606	1005	866	896	898	1422
65°	763	517	536	568	563	770
75°	254	262	344	360	349	283
85°	43	142	240	253	242	52
90°	2	107	203	213	203	3
95°	0	82	170	179	170	0
105°	0	51	118	130	125	0
115°	0	32	82	98	96	0
125°	2	21	54	69	67	1
135°	2	11	34	42	40	1
145°	2	5	18	22	21	1
155°	2	3	6	10	6	1
165°	2	3	3	0	0	0
175°	3	3	3	0	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3216.1	3216.1	3216.1	3216.1	3216.1
2.5°	3238.5	3219.3	3195.3	3211.3	3198.5
5°	3233.7	3209.7	3179.3	3188.9	3168.1
7.5°	3225.7	3195.3	3152.1	3148.9	3124.9
10°	3212.9	3172.9	3115.3	3104.1	3078.5
12.5°	3195.3	3145.7	3073.7	3056.1	3025.7
15°	3168.1	3108.9	3024.1	3003.3	2974.5
17.5°	3140.9	3067.3	2968.1	2942.4	2908.8
20°	3108.9	3019.3	2907.2	2852.8	2811.2
22.5°	3075.3	2964.9	2827.2	2736.0	2681.6
25°	3033.7	2897.6	2723.2	2592.0	2508.8
27.5°	2987.3	2827.2	2595.2	2406.4	2307.2
30°	2931.2	2732.8	2438.4	2201.6	2097.6
32.5°	2875.2	2630.4	2246.4	2000.0	1905.6
35°	2800.0	2496.0	2054.4	1796.8	1713.6
37.5°	2715.2	2345.6	1844.8	1616.0	1555.2
40°	2612.8	2169.6	1648.0	1465.6	1420.8
42.5°	2502.4	1976.0	1476.8	1344.0	1320.0
45°	2353.6	1771.2	1316.8	1240.0	1232.0
47.5°	2206.4	1566.4	1180.8	1148.8	1153.6
50°	2017.6	1363.2	1057.6	1068.8	1076.8
52.5°	1809.6	1176.0	956.8	980.8	987.2
55°	1606.4	1004.8	865.6	896.0	897.6
57.5°	1369.6	854.4	766.4	812.8	808.0
60°	1155.2	721.6	681.6	718.4	721.6
62.5°	944.0	612.8	606.4	638.4	636.8
65°	763.2	516.8	536.0	568.0	563.2
67.5°	606.4	432.0	476.8	504.0	492.8
70°	462.4	366.4	425.6	446.4	440.0
72.5°	347.2	310.4	380.8	400.0	388.8
75°	254.4	262.4	344.0	360.0	348.8
77.5°	182.4	225.6	315.2	324.8	316.8
80°	123.2	192.0	286.4	299.2	286.4
82.5°	78.4	164.8	262.4	273.6	262.4
85°	43.2	142.4	240.0	252.8	241.6
87.5°	19.2	123.2	220.8	232.0	222.4
90°	1.6	107.2	203.2	212.8	203.2
92.5°	0.0	92.8	185.6	196.8	187.2
95°	0.0	81.6	169.6	179.2	169.6
97.5°	0.0	72.0	155.2	164.8	156.8
100°	0.0	64.0	142.4	152.0	144.0
102.5°	0.0	56.0	129.6	140.8	134.4
105°	0.0	51.2	118.4	129.6	124.8
107.5°	0.0	44.8	108.8	121.6	118.4
110°	0.0	40.0	99.2	113.6	110.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.8	89.6	105.6	102.4
115°	0.0	32.0	81.6	97.6	96.0
117.5°	0.0	28.8	75.2	89.6	89.6
120°	1.6	25.6	68.8	83.2	81.6
122.5°	1.6	22.4	60.8	75.2	73.6
125°	1.6	20.8	54.4	68.8	67.2
127.5°	1.6	17.6	49.6	60.8	59.2
130°	1.6	16.0	43.2	54.4	52.8
132.5°	1.6	12.8	38.4	48.0	46.4
135°	1.6	11.2	33.6	41.6	40.0
137.5°	1.6	9.6	28.8	36.8	35.2
140°	1.6	8.0	25.6	32.0	30.4
142.5°	1.6	6.4	20.8	27.2	25.6
145°	1.6	4.8	17.6	22.4	20.8
147.5°	1.6	3.2	14.4	19.2	17.6
150°	1.6	3.2	11.2	16.0	14.4
152.5°	1.6	3.2	9.6	12.8	9.6
155°	1.6	3.2	6.4	9.6	6.4
157.5°	1.6	3.2	4.8	6.4	4.8
160°	1.6	3.2	4.8	4.8	1.6
162.5°	1.6	3.2	3.2	1.6	0.0
165°	1.6	3.2	3.2	0.0	0.0
167.5°	1.6	3.2	3.2	0.0	0.0
170°	1.6	3.2	3.2	0.0	0.0
172.5°	1.6	3.2	3.2	0.0	0.0
175°	3.2	3.2	3.2	0.0	0.0
177.5°	1.6	3.2	1.6	0.0	0.0
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)