

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-LD5-68SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-68SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

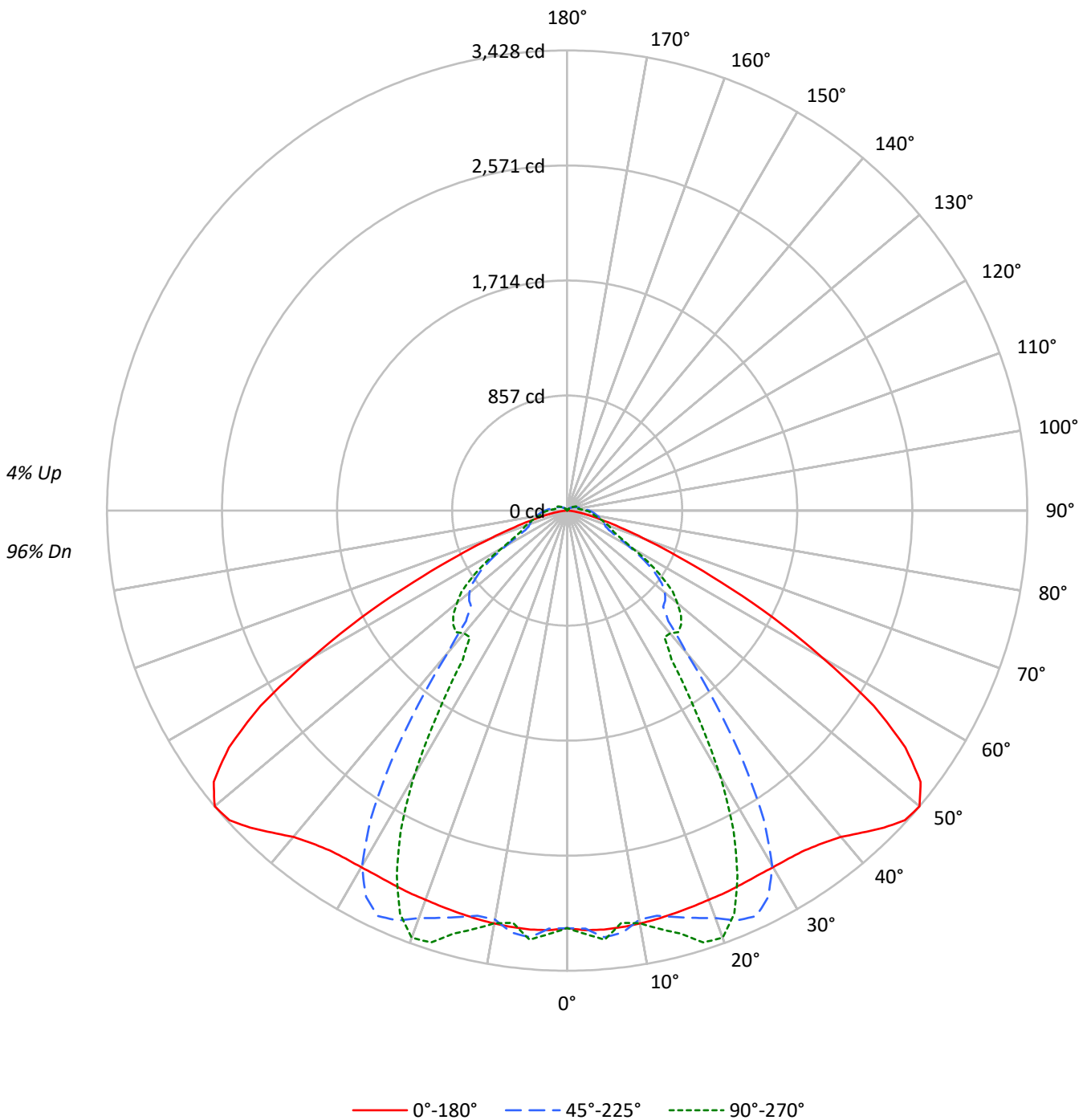
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7501.9 lumens
Efficiency: N/A
Efficacy: 162.4 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): 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	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°	18264	18264	18264
5°	18429	18036	17866
10°	18547	16990	16654
15°	18755	16852	16818
20°	19118	17144	17024
25°	19694	17593	14835
30°	20527	16161	11162
35°	21788	12236	6630
40°	23865	7503	5867
45°	27112	5645	5987
50°	30481	5492	5449
55°	30492	4770	4506
60°	24911	3372	3052
65°	16703	2336	2214
70°	9748	2172	1998
75°	5454	2137	1696
80°	3115	2055	1448
85°	1540	2034	1425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	4.0
10°-20°	901.9	12.0
20°-30°	1435.4	19.1
30°-40°	1462.9	19.5
40°-50°	1235.5	16.5
50°-60°	952.4	12.7
60°-70°	491.9	6.6
70°-80°	271.8	3.6
80°-90°	173.0	2.3
90°-100°	106.4	1.4
100°-110°	68.6	0.9
110°-120°	49.8	0.7
120°-130°	28.8	0.4
130°-140°	13.9	0.2
140°-150°	5.8	0.1
150°-160°	2.0	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2638.0	35.2
0°-40°	4100.9	54.7
0°-60°	6288.8	83.8
0°-90°	7225.5	96.3
90°-120°	224.9	3.0
90°-150°	273.3	3.6
90°-180°	276.0	3.7
0°-180°	7501.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3111	3111	3111	3111	3111	
5°	3133	3144	3191	3221	3208	299
15°	3104	3106	3135	3247	3261	880
25°	3072	3093	3333	3170	3002	1422
35°	3088	3234	2290	1557	1357	1949
45°	3340	1949	1011	1166	1202	2579
55°	3076	717	790	859	859	2663
65°	1261	328	344	387	387	1301
75°	261	216	266	267	261	314
85°	29	141	198	192	182	40
90°	0	109	165	152	141	2
95°	0	85	131	115	106	0
105°	0	51	86	80	75	0
115°	2	30	62	75	74	1
125°	2	16	40	48	43	1
135°	2	8	22	27	22	1
145°	2	3	11	14	11	1
155°	2	2	5	6	3	1
165°	2	3	3	3	0	0
175°	3	3	3	3	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3110.7	3110.7	3110.7	3110.7	3110.7
2.5°	3128.3	3117.1	3117.1	3157.1	3157.1
5°	3133.1	3144.3	3190.7	3221.1	3208.3
7.5°	3129.9	3181.1	3169.9	3125.1	3096.3
10°	3123.5	3200.3	3094.7	3125.1	3121.9
12.5°	3115.5	3171.5	3091.5	3198.7	3192.3
15°	3104.3	3105.9	3134.7	3246.7	3261.1
17.5°	3094.7	3064.3	3181.1	3331.5	3373.1
20°	3085.1	3051.5	3230.7	3403.5	3385.9
22.5°	3080.3	3062.7	3304.3	3349.1	3251.5
25°	3072.3	3093.1	3333.1	3169.9	3001.9
27.5°	3065.9	3128.3	3245.1	2864.3	2685.1
30°	3067.5	3177.9	3054.7	2505.9	2280.2
32.5°	3072.3	3225.9	2723.5	2025.8	1792.2
35°	3088.3	3233.9	2289.8	1557.0	1356.9
37.5°	3123.5	3145.9	1817.8	1232.1	1188.9
40°	3173.1	2880.3	1379.3	1150.5	1193.7
42.5°	3253.1	2433.8	1115.3	1163.3	1227.3
45°	3339.5	1949.0	1011.3	1166.5	1201.7
47.5°	3413.1	1438.5	990.5	1123.3	1148.9
50°	3427.5	1083.3	950.5	1054.5	1070.5
52.5°	3318.7	856.1	886.5	963.3	992.1
55°	3075.5	716.9	790.5	859.3	859.3
57.5°	2709.1	608.1	664.1	729.7	723.3
60°	2205.0	500.9	529.7	569.7	560.1
62.5°	1734.6	401.6	411.2	454.4	460.8
65°	1260.9	328.0	344.0	387.2	387.2
67.5°	884.9	280.0	310.4	350.4	353.6
70°	603.3	252.8	296.0	328.0	329.6
72.5°	411.2	233.6	281.6	299.2	294.4
75°	260.8	216.0	265.6	267.2	260.8
77.5°	169.6	196.8	249.6	236.8	232.0
80°	104.0	177.6	228.8	212.8	204.8
82.5°	59.2	158.4	212.8	201.6	193.6
85°	28.8	140.8	198.4	192.0	182.4
87.5°	11.2	124.8	182.4	172.8	163.2
90°	0.0	108.8	164.8	152.0	140.8
92.5°	0.0	96.0	147.2	131.2	121.6
95°	0.0	84.8	131.2	115.2	105.6
97.5°	0.0	75.2	116.8	102.4	91.2
100°	0.0	67.2	105.6	91.2	83.2
102.5°	0.0	59.2	94.4	84.8	80.0
105°	0.0	51.2	86.4	80.0	75.2
107.5°	0.0	44.8	78.4	76.8	73.6
110°	0.0	40.0	73.6	75.2	76.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.2	67.2	76.8	78.4
115°	1.6	30.4	62.4	75.2	73.6
117.5°	1.6	25.6	56.0	67.2	64.0
120°	1.6	22.4	51.2	60.8	56.0
122.5°	1.6	19.2	44.8	52.8	49.6
125°	1.6	16.0	40.0	48.0	43.2
127.5°	1.6	14.4	35.2	41.6	38.4
130°	1.6	12.8	30.4	36.8	33.6
132.5°	1.6	9.6	27.2	32.0	27.2
135°	1.6	8.0	22.4	27.2	22.4
137.5°	1.6	6.4	19.2	22.4	19.2
140°	1.6	4.8	16.0	19.2	16.0
142.5°	1.6	4.8	12.8	17.6	12.8
145°	1.6	3.2	11.2	14.4	11.2
147.5°	1.6	3.2	9.6	12.8	9.6
150°	1.6	3.2	8.0	11.2	6.4
152.5°	1.6	1.6	6.4	9.6	4.8
155°	1.6	1.6	4.8	6.4	3.2
157.5°	1.6	1.6	4.8	4.8	3.2
160°	1.6	1.6	4.8	4.8	1.6
162.5°	1.6	1.6	3.2	3.2	0.0
165°	1.6	3.2	3.2	3.2	0.0
167.5°	1.6	3.2	3.2	3.2	0.0
170°	1.6	3.2	3.2	3.2	0.0
172.5°	1.6	3.2	3.2	3.2	0.0
175°	3.2	3.2	3.2	3.2	0.0
177.5°	3.2	3.2	3.2	3.2	0.0
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)