

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-LD5-61SL-LC-UNV-L830-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-LD5-61SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

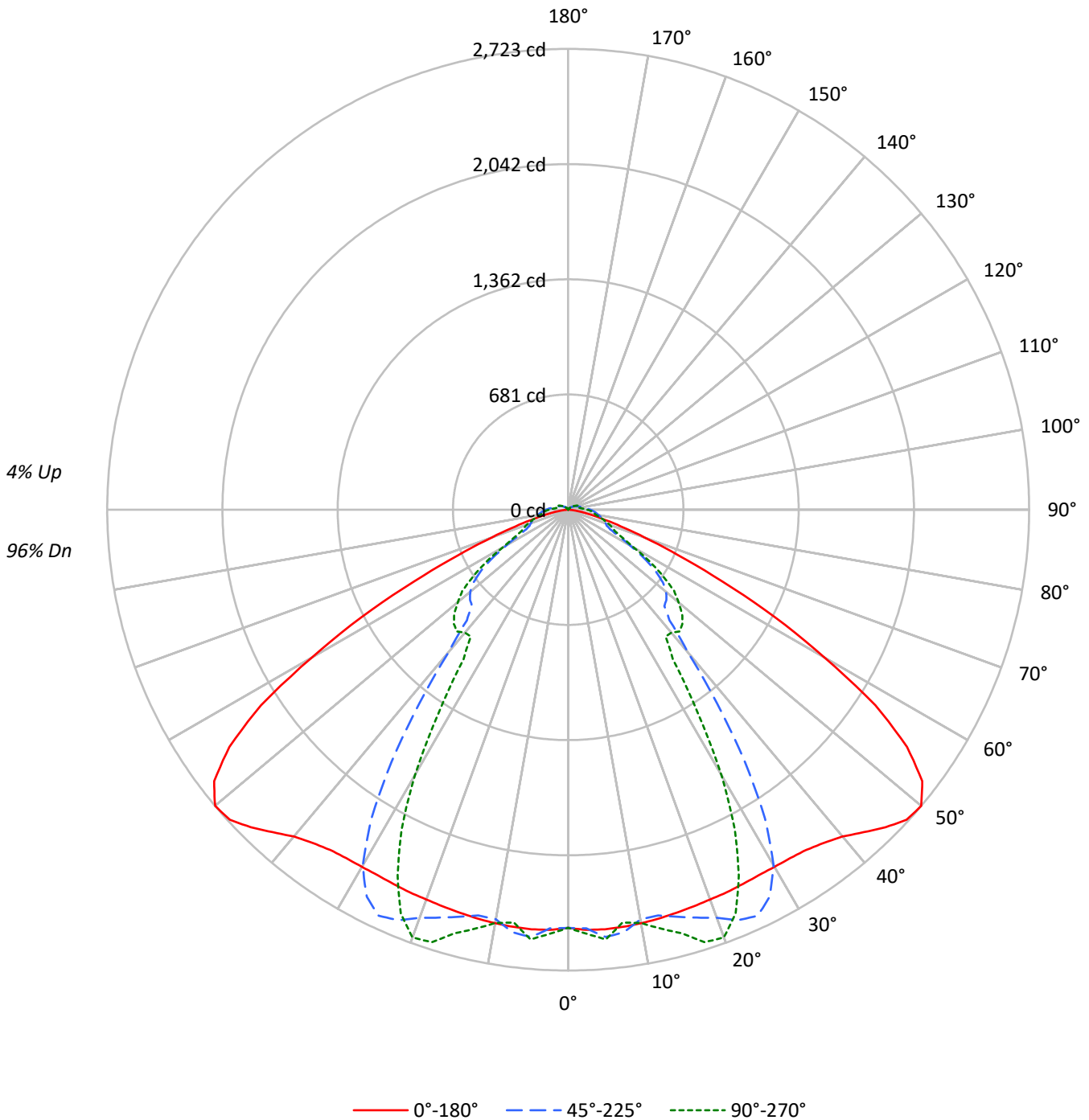
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5959.0 lumens
Efficiency: N/A
Efficacy: 147.9 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): 40.3
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°	14507	14507	14507
5°	14638	14326	14192
10°	14733	13495	13229
15°	14897	13386	13359
20°	15186	13618	13523
25°	15644	13975	11784
30°	16305	12837	8866
35°	17307	9719	5267
40°	18956	5959	4660
45°	21536	4484	4756
50°	24212	4362	4328
55°	24220	3789	3579
60°	19788	2678	2425
65°	13268	1856	1759
70°	7743	1725	1587
75°	4333	1698	1348
80°	2474	1633	1151
85°	1225	1615	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.9	4.0
10°-20°	716.4	12.0
20°-30°	1140.2	19.1
30°-40°	1162.0	19.5
40°-50°	981.4	16.5
50°-60°	756.5	12.7
60°-70°	390.8	6.6
70°-80°	215.9	3.6
80°-90°	137.4	2.3
90°-100°	84.5	1.4
100°-110°	54.5	0.9
110°-120°	39.6	0.7
120°-130°	22.8	0.4
130°-140°	11.0	0.2
140°-150°	4.6	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2095.4	35.2
0°-40°	3257.4	54.7
0°-60°	4995.3	83.8
0°-90°	5739.5	96.3
90°-120°	178.6	3.0
90°-150°	217.1	3.6
90°-180°	220.0	3.7
0°-180°	5959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2471	2471	2471	2471	2471	
5°	2489	2498	2534	2559	2548	237
15°	2466	2467	2490	2579	2590	699
25°	2440	2457	2648	2518	2384	1130
35°	2453	2569	1819	1237	1078	1548
45°	2653	1548	803	927	955	2049
55°	2443	569	628	683	683	2115
65°	1002	261	273	308	308	1033
75°	207	172	211	212	207	250
85°	23	112	158	152	145	31
90°	0	86	131	121	112	1
95°	0	67	104	92	84	0
105°	0	41	69	64	60	0
115°	1	24	50	60	58	1
125°	1	13	32	38	34	1
135°	1	6	18	22	18	1
145°	1	2	9	11	9	1
155°	1	1	4	5	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2470.9	2470.9	2470.9	2470.9	2470.9
2.5°	2484.9	2476.0	2476.0	2507.8	2507.8
5°	2488.7	2497.6	2534.5	2558.6	2548.4
7.5°	2486.2	2526.8	2517.9	2482.3	2459.5
10°	2481.1	2542.1	2458.2	2482.3	2479.8
12.5°	2474.7	2519.2	2455.7	2540.8	2535.7
15°	2465.8	2467.1	2490.0	2578.9	2590.4
17.5°	2458.2	2434.0	2526.8	2646.3	2679.4
20°	2450.6	2423.9	2566.2	2703.5	2689.5
22.5°	2446.8	2432.8	2624.7	2660.3	2582.8
25°	2440.4	2456.9	2647.6	2517.9	2384.5
27.5°	2435.3	2484.9	2577.7	2275.2	2132.8
30°	2436.6	2524.3	2426.4	1990.5	1811.2
32.5°	2440.4	2562.4	2163.3	1609.1	1423.6
35°	2453.1	2568.8	1818.9	1236.7	1077.8
37.5°	2481.1	2498.9	1443.9	978.7	944.4
40°	2520.5	2287.9	1095.6	913.9	948.2
42.5°	2584.0	1933.3	885.9	924.0	974.9
45°	2652.7	1548.1	803.3	926.6	954.6
47.5°	2711.1	1142.7	786.8	892.3	912.6
50°	2722.6	860.5	755.0	837.6	850.3
52.5°	2636.1	680.0	704.2	765.2	788.0
55°	2442.9	569.4	627.9	682.6	682.6
57.5°	2151.9	483.0	527.5	579.6	574.5
60°	1751.5	397.8	420.7	452.5	444.9
62.5°	1377.8	319.0	326.7	361.0	366.1
65°	1001.6	260.6	273.3	307.6	307.6
67.5°	702.9	222.4	246.6	278.4	280.9
70°	479.2	200.8	235.1	260.6	261.8
72.5°	326.7	185.6	223.7	237.7	233.9
75°	207.2	171.6	211.0	212.3	207.2
77.5°	134.7	156.3	198.3	188.1	184.3
80°	82.6	141.1	181.8	169.0	162.7
82.5°	47.0	125.8	169.0	160.2	153.8
85°	22.9	111.9	157.6	152.5	144.9
87.5°	8.9	99.1	144.9	137.3	129.6
90°	0.0	86.4	130.9	120.7	111.9
92.5°	0.0	76.3	116.9	104.2	96.6
95°	0.0	67.4	104.2	91.5	83.9
97.5°	0.0	59.7	92.8	81.3	72.4
100°	0.0	53.4	83.9	72.4	66.1
102.5°	0.0	47.0	75.0	67.4	63.6
105°	0.0	40.7	68.6	63.6	59.7
107.5°	0.0	35.6	62.3	61.0	58.5
110°	0.0	31.8	58.5	59.7	61.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.0	53.4	61.0	62.3
115°	1.3	24.1	49.6	59.7	58.5
117.5°	1.3	20.3	44.5	53.4	50.8
120°	1.3	17.8	40.7	48.3	44.5
122.5°	1.3	15.3	35.6	41.9	39.4
125°	1.3	12.7	31.8	38.1	34.3
127.5°	1.3	11.4	28.0	33.0	30.5
130°	1.3	10.2	24.1	29.2	26.7
132.5°	1.3	7.6	21.6	25.4	21.6
135°	1.3	6.4	17.8	21.6	17.8
137.5°	1.3	5.1	15.3	17.8	15.3
140°	1.3	3.8	12.7	15.3	12.7
142.5°	1.3	3.8	10.2	14.0	10.2
145°	1.3	2.5	8.9	11.4	8.9
147.5°	1.3	2.5	7.6	10.2	7.6
150°	1.3	2.5	6.4	8.9	5.1
152.5°	1.3	1.3	5.1	7.6	3.8
155°	1.3	1.3	3.8	5.1	2.5
157.5°	1.3	1.3	3.8	3.8	2.5
160°	1.3	1.3	3.8	3.8	1.3
162.5°	1.3	1.3	2.5	2.5	0.0
165°	1.3	2.5	2.5	2.5	0.0
167.5°	1.3	2.5	2.5	2.5	0.0
170°	1.3	2.5	2.5	2.5	0.0
172.5°	1.3	2.5	2.5	2.5	0.0
175°	2.5	2.5	2.5	2.5	0.0
177.5°	2.5	2.5	2.5	2.5	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)