

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-LD5-60SL-LN-UNV-L840-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-LD5-60SL-LN-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

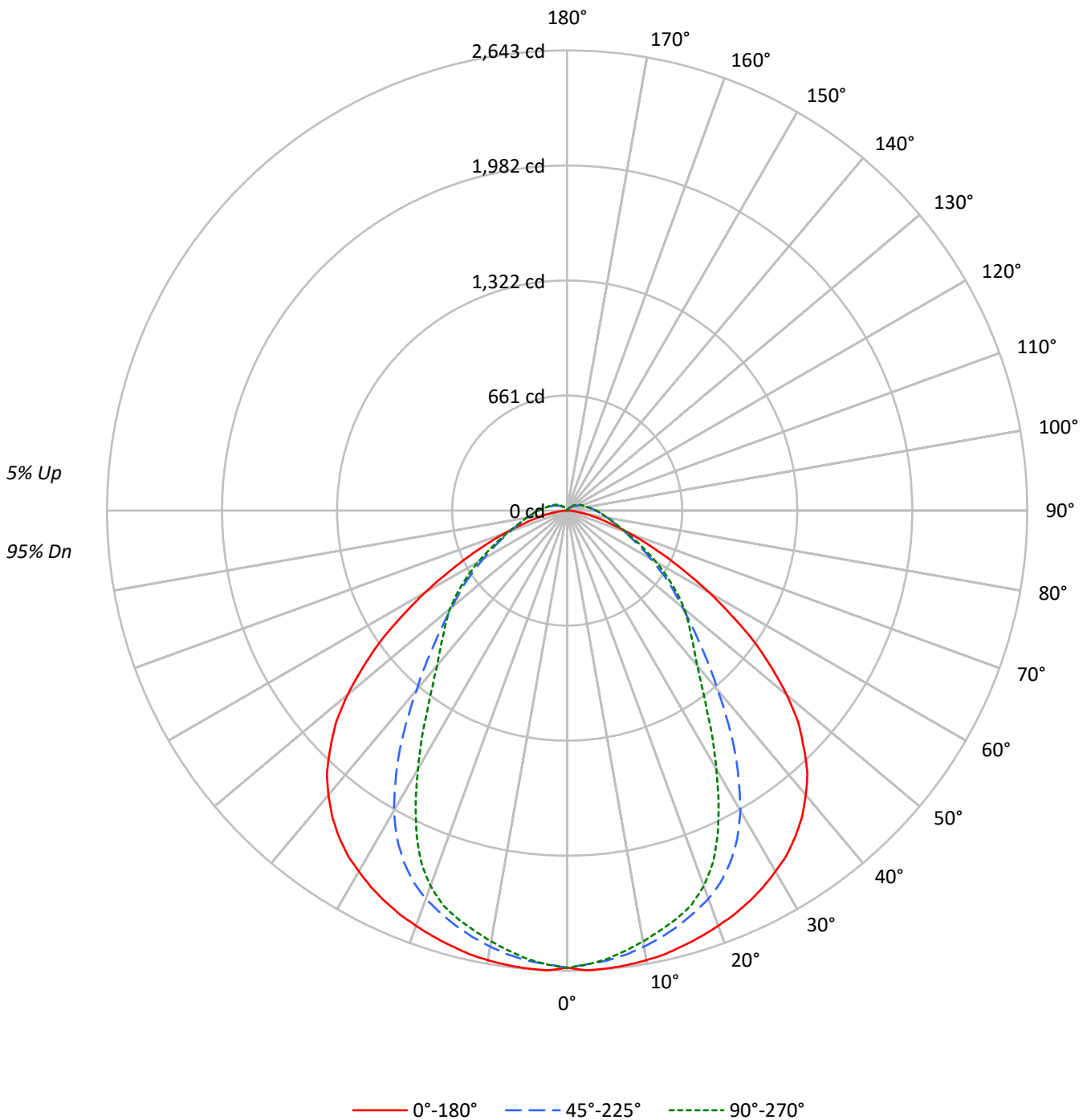
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6002.0 lumens
Efficiency: N/A
Efficacy: 148.9 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): 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	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°	15413	15413	15413
5°	15525	14669	14401
10°	15572	13960	13405
15°	15623	13270	12521
20°	15725	12593	11538
25°	15874	11733	10120
30°	16011	10530	8382
35°	16125	8961	6835
40°	16041	7317	5700
45°	15598	6000	5010
50°	14646	4988	4474
55°	13001	4264	3842
60°	10654	3542	3210
65°	8253	2972	2628
70°	6098	2549	2178
75°	4343	2259	1852
80°	3013	2100	1653
85°	1888	2008	1541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	4.1
10°-20°	702.5	11.7
20°-30°	1026.3	17.1
30°-40°	1096.2	18.3
40°-50°	966.0	16.1
50°-60°	733.5	12.2
60°-70°	467.6	7.8
70°-80°	278.9	4.6
80°-90°	175.2	2.9
90°-100°	116.0	1.9
100°-110°	78.8	1.3
110°-120°	53.0	0.9
120°-130°	32.8	0.5
130°-140°	17.3	0.3
140°-150°	7.5	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1976.1	32.9
0°-40°	3072.3	51.2
0°-60°	4771.8	79.5
0°-90°	5693.6	94.9
90°-120°	247.8	4.1
90°-150°	305.4	5.1
90°-180°	308.0	5.1
0°-180°	6002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2625	2625	2625	2625	2625	
5°	2640	2620	2595	2603	2586	251
15°	2586	2538	2468	2451	2428	731
25°	2476	2365	2223	2116	2048	1142
35°	2286	2037	1677	1467	1399	1428
45°	1921	1446	1075	1012	1006	1477
55°	1311	820	707	731	733	1161
65°	623	422	438	464	460	629
75°	208	214	281	294	285	231
85°	35	116	196	206	197	43
90°	1	88	166	174	166	3
95°	0	67	138	146	138	0
105°	0	42	97	106	102	0
115°	0	26	67	80	78	0
125°	1	17	44	56	55	1
135°	1	9	27	34	33	1
145°	1	4	14	18	17	1
155°	1	3	5	8	5	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2625.2	2625.2	2625.2	2625.2	2625.2
2.5°	2643.4	2627.8	2608.2	2621.2	2610.8
5°	2639.5	2619.9	2595.1	2603.0	2586.0
7.5°	2633.0	2608.2	2572.9	2570.3	2550.7
10°	2622.5	2589.9	2542.9	2533.7	2512.8
12.5°	2608.2	2567.7	2508.9	2494.5	2469.7
15°	2586.0	2537.6	2468.4	2451.4	2427.9
17.5°	2563.8	2503.7	2422.7	2401.8	2374.4
20°	2537.6	2464.5	2373.1	2328.7	2294.7
22.5°	2510.2	2420.1	2307.8	2233.3	2188.9
25°	2476.3	2365.3	2222.9	2115.8	2047.9
27.5°	2438.4	2307.8	2118.4	1964.3	1883.3
30°	2392.7	2230.7	1990.4	1797.1	1712.2
32.5°	2347.0	2147.1	1833.7	1632.6	1555.5
35°	2285.6	2037.4	1677.0	1466.7	1398.8
37.5°	2216.4	1914.7	1505.9	1319.1	1269.5
40°	2132.8	1771.0	1345.2	1196.3	1159.8
42.5°	2042.7	1613.0	1205.5	1097.1	1077.5
45°	1921.2	1445.8	1074.9	1012.2	1005.7
47.5°	1801.0	1278.6	963.9	937.7	941.7
50°	1646.9	1112.8	863.3	872.4	879.0
52.5°	1477.1	959.9	781.0	800.6	805.8
55°	1311.3	820.2	706.6	731.4	732.7
57.5°	1118.0	697.4	625.6	663.5	659.6
60°	943.0	589.0	556.4	586.4	589.0
62.5°	770.6	500.2	495.0	521.1	519.8
65°	623.0	421.9	437.5	463.6	459.7
67.5°	495.0	352.6	389.2	411.4	402.3
70°	377.4	299.1	347.4	364.4	359.2
72.5°	283.4	253.4	310.8	326.5	317.4
75°	207.7	214.2	280.8	293.9	284.7
77.5°	148.9	184.2	257.3	265.1	258.6
80°	100.6	156.7	233.8	244.2	233.8
82.5°	64.0	134.5	214.2	223.3	214.2
85°	35.3	116.2	195.9	206.4	197.2
87.5°	15.7	100.6	180.2	189.4	181.5
90°	1.3	87.5	165.9	173.7	165.9
92.5°	0.0	75.8	151.5	160.6	152.8
95°	0.0	66.6	138.4	146.3	138.4
97.5°	0.0	58.8	126.7	134.5	128.0
100°	0.0	52.2	116.2	124.1	117.5
102.5°	0.0	45.7	105.8	114.9	109.7
105°	0.0	41.8	96.6	105.8	101.9
107.5°	0.0	36.6	88.8	99.3	96.6
110°	0.0	32.7	81.0	92.7	90.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.0	73.1	86.2	83.6
115°	0.0	26.1	66.6	79.7	78.4
117.5°	0.0	23.5	61.4	73.1	73.1
120°	1.3	20.9	56.2	67.9	66.6
122.5°	1.3	18.3	49.6	61.4	60.1
125°	1.3	17.0	44.4	56.2	54.9
127.5°	1.3	14.4	40.5	49.6	48.3
130°	1.3	13.1	35.3	44.4	43.1
132.5°	1.3	10.4	31.3	39.2	37.9
135°	1.3	9.1	27.4	34.0	32.7
137.5°	1.3	7.8	23.5	30.0	28.7
140°	1.3	6.5	20.9	26.1	24.8
142.5°	1.3	5.2	17.0	22.2	20.9
145°	1.3	3.9	14.4	18.3	17.0
147.5°	1.3	2.6	11.8	15.7	14.4
150°	1.3	2.6	9.1	13.1	11.8
152.5°	1.3	2.6	7.8	10.4	7.8
155°	1.3	2.6	5.2	7.8	5.2
157.5°	1.3	2.6	3.9	5.2	3.9
160°	1.3	2.6	3.9	3.9	1.3
162.5°	1.3	2.6	2.6	1.3	0.0
165°	1.3	2.6	2.6	0.0	0.0
167.5°	1.3	2.6	2.6	0.0	0.0
170°	1.3	2.6	2.6	0.0	0.0
172.5°	1.3	2.6	2.6	0.0	0.0
175°	2.6	2.6	2.6	0.0	0.0
177.5°	1.3	2.6	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)