

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-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 (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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

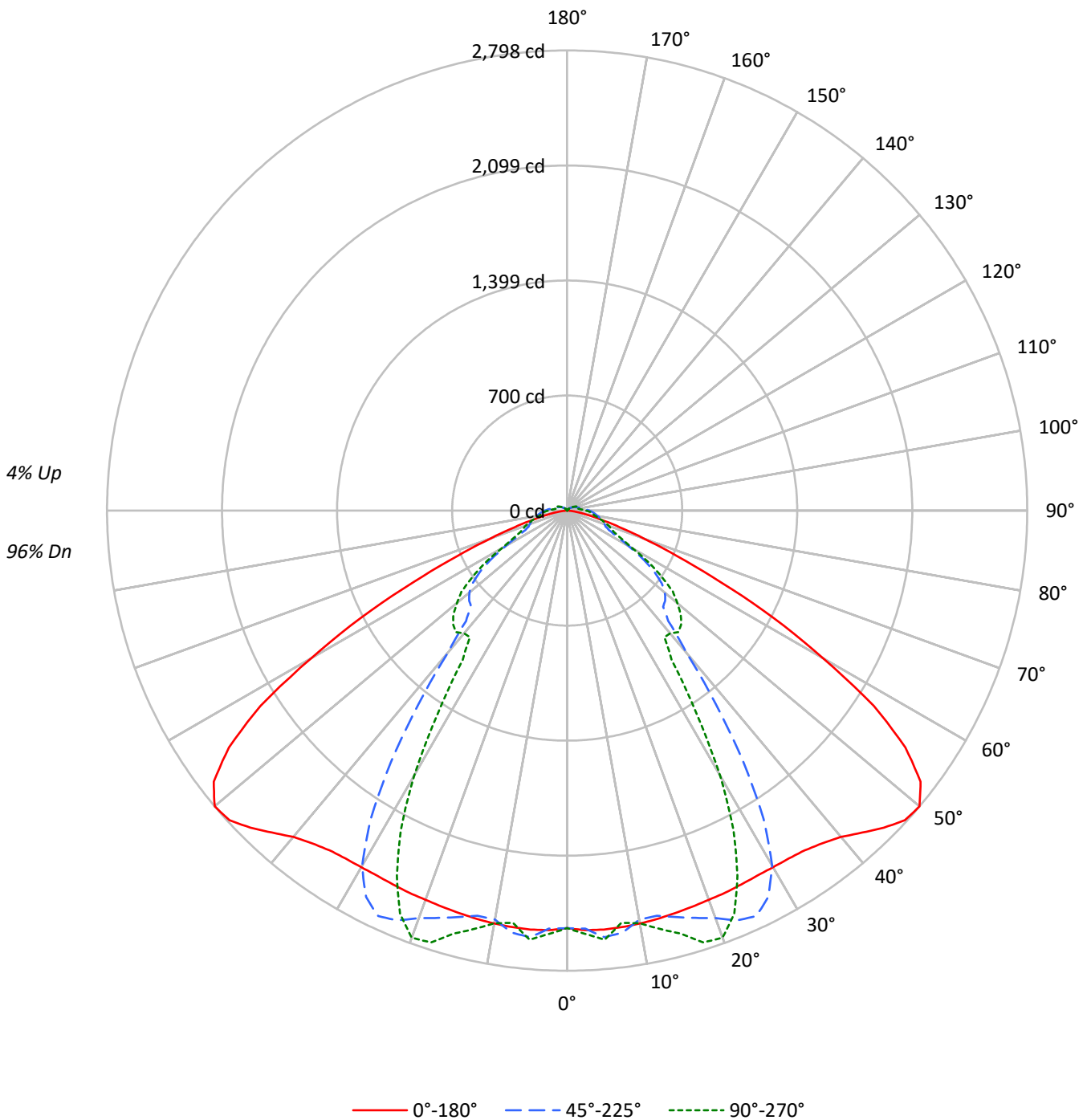
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6123.0 lumens
Efficiency: N/A
Efficacy: 151.9 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

TEST NUMBER: P#
CATALOG NUMBER: 8SRL-LD5-61SL-LC-UNV-L840-CD1-U

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°	14906	14906	14906
5°	15041	14720	14583
10°	15138	13867	13593
15°	15307	13755	13727
20°	15603	13993	13895
25°	16074	14359	12108
30°	16753	13190	9111
35°	17783	9986	5412
40°	19478	6124	4789
45°	22129	4607	4886
50°	24879	4482	4447
55°	24887	3894	3677
60°	20332	2752	2491
65°	13632	1907	1807
70°	7956	1773	1631
75°	4452	1744	1385
80°	2543	1678	1182
85°	1257	1660	1164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.5	4.0
10°-20°	736.1	12.0
20°-30°	1171.5	19.1
30°-40°	1194.0	19.5
40°-50°	1008.4	16.5
50°-60°	777.3	12.7
60°-70°	401.5	6.6
70°-80°	221.9	3.6
80°-90°	141.2	2.3
90°-100°	86.9	1.4
100°-110°	56.0	0.9
110°-120°	40.6	0.7
120°-130°	23.5	0.4
130°-140°	11.3	0.2
140°-150°	4.7	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2153.1	35.2
0°-40°	3347.1	54.7
0°-60°	5132.8	83.8
0°-90°	5897.4	96.3
90°-120°	183.6	3.0
90°-150°	223.1	3.6
90°-180°	226.0	3.7
0°-180°	6123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2539	2539	2539	2539	2539	
5°	2557	2566	2604	2629	2619	244
15°	2534	2535	2558	2650	2662	718
25°	2508	2524	2720	2587	2450	1161
35°	2521	2640	1869	1271	1108	1591
45°	2726	1591	825	952	981	2105
55°	2510	585	645	701	701	2174
65°	1029	268	281	316	316	1062
75°	213	176	217	218	213	256
85°	24	115	162	157	149	32
90°	0	89	134	124	115	1
95°	0	69	107	94	86	0
105°	0	42	70	65	61	0
115°	1	25	51	61	60	1
125°	1	13	33	39	35	1
135°	1	6	18	22	18	1
145°	1	3	9	12	9	1
155°	1	1	4	5	3	1
165°	1	3	3	3	0	0
175°	3	3	3	3	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2538.9	2538.9	2538.9	2538.9	2538.9
2.5°	2553.3	2544.1	2544.1	2576.8	2576.8
5°	2557.2	2566.3	2604.2	2629.0	2618.6
7.5°	2554.6	2596.4	2587.2	2550.7	2527.2
10°	2549.4	2612.0	2525.9	2550.7	2548.1
12.5°	2542.8	2588.5	2523.2	2610.7	2605.5
15°	2533.7	2535.0	2558.5	2649.9	2661.7
17.5°	2525.9	2501.0	2596.4	2719.1	2753.1
20°	2518.0	2490.6	2636.9	2777.9	2763.5
22.5°	2514.1	2499.7	2696.9	2733.5	2653.8
25°	2507.6	2524.5	2720.4	2587.2	2450.1
27.5°	2502.3	2553.3	2648.6	2337.8	2191.5
30°	2503.6	2593.8	2493.2	2045.2	1861.1
32.5°	2507.6	2632.9	2222.9	1653.4	1462.7
35°	2520.6	2639.5	1868.9	1270.8	1107.5
37.5°	2549.4	2567.6	1483.6	1005.6	970.4
40°	2589.8	2350.8	1125.8	939.0	974.3
42.5°	2655.1	1986.5	910.3	949.5	1001.7
45°	2725.7	1590.7	825.4	952.1	980.8
47.5°	2785.8	1174.1	808.4	916.8	937.7
50°	2797.5	884.2	775.8	860.7	873.7
52.5°	2708.7	698.7	723.5	786.2	809.7
55°	2510.2	585.1	645.2	701.3	701.3
57.5°	2211.1	496.3	542.0	595.5	590.3
60°	1799.7	408.8	432.3	464.9	457.1
62.5°	1415.7	327.8	335.6	370.9	376.1
65°	1029.1	267.7	280.8	316.1	316.1
67.5°	722.2	228.6	253.4	286.0	288.6
70°	492.4	206.4	241.6	267.7	269.0
72.5°	335.6	190.7	229.9	244.2	240.3
75°	212.9	176.3	216.8	218.1	212.9
77.5°	138.4	160.6	203.7	193.3	189.4
80°	84.9	145.0	186.8	173.7	167.2
82.5°	48.3	129.3	173.7	164.6	158.0
85°	23.5	114.9	161.9	156.7	148.9
87.5°	9.1	101.9	148.9	141.1	133.2
90°	0.0	88.8	134.5	124.1	114.9
92.5°	0.0	78.4	120.2	107.1	99.3
95°	0.0	69.2	107.1	94.0	86.2
97.5°	0.0	61.4	95.3	83.6	74.4
100°	0.0	54.9	86.2	74.4	67.9
102.5°	0.0	48.3	77.1	69.2	65.3
105°	0.0	41.8	70.5	65.3	61.4
107.5°	0.0	36.6	64.0	62.7	60.1
110°	0.0	32.7	60.1	61.4	62.7



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-61SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.7	54.9	62.7	64.0
115°	1.3	24.8	50.9	61.4	60.1
117.5°	1.3	20.9	45.7	54.9	52.2
120°	1.3	18.3	41.8	49.6	45.7
122.5°	1.3	15.7	36.6	43.1	40.5
125°	1.3	13.1	32.7	39.2	35.3
127.5°	1.3	11.8	28.7	34.0	31.3
130°	1.3	10.4	24.8	30.0	27.4
132.5°	1.3	7.8	22.2	26.1	22.2
135°	1.3	6.5	18.3	22.2	18.3
137.5°	1.3	5.2	15.7	18.3	15.7
140°	1.3	3.9	13.1	15.7	13.1
142.5°	1.3	3.9	10.4	14.4	10.4
145°	1.3	2.6	9.1	11.8	9.1
147.5°	1.3	2.6	7.8	10.4	7.8
150°	1.3	2.6	6.5	9.1	5.2
152.5°	1.3	1.3	5.2	7.8	3.9
155°	1.3	1.3	3.9	5.2	2.6
157.5°	1.3	1.3	3.9	3.9	2.6
160°	1.3	1.3	3.9	3.9	1.3
162.5°	1.3	1.3	2.6	2.6	0.0
165°	1.3	2.6	2.6	2.6	0.0
167.5°	1.3	2.6	2.6	2.6	0.0
170°	1.3	2.6	2.6	2.6	0.0
172.5°	1.3	2.6	2.6	2.6	0.0
175°	2.6	2.6	2.6	2.6	0.0
177.5°	2.6	2.6	2.6	2.6	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)