

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: **4SRL-LD5-61SL-LC-UNV-L835-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: 4SRL-LD5-61SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

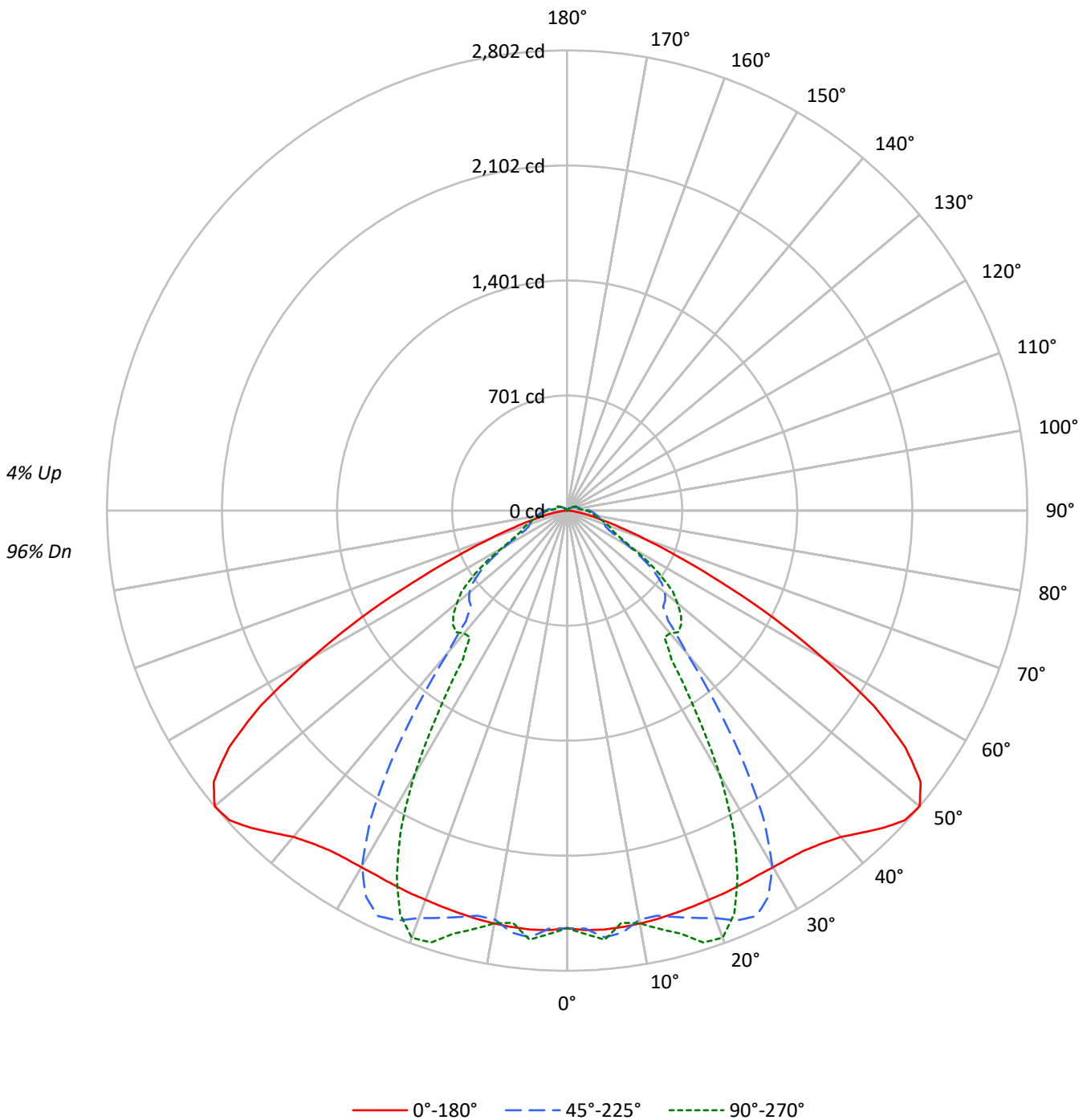
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 47
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: 4SRL-LD5-61SL-LC-UNV-L835-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	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29856	29856	29856
5°	30068	29444	29207
10°	30200	27702	27226
15°	30475	27446	27493
20°	30998	27887	27831
25°	31862	28586	24252
30°	33127	26230	18248
35°	35069	19836	10839
40°	38297	12148	9591
45°	43359	9130	9787
50°	48550	8870	8907
55°	48328	7694	7366
60°	39238	5430	4990
65°	26094	3757	3619
70°	15050	3486	3266
75°	8270	3421	2773
80°	4570	3280	2368
85°	2084	3235	2330



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-61SL-LC-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	4.0
10°-20°	737.2	12.0
20°-30°	1173.3	19.1
30°-40°	1195.7	19.5
40°-50°	1009.9	16.5
50°-60°	778.5	12.7
60°-70°	402.1	6.6
70°-80°	222.2	3.6
80°-90°	141.4	2.3
90°-100°	87.0	1.4
100°-110°	56.1	0.9
110°-120°	40.7	0.7
120°-130°	23.5	0.4
130°-140°	11.4	0.2
140°-150°	4.8	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2156.3	35.2
0°-40°	3352.0	54.7
0°-60°	5140.4	83.8
0°-90°	5906.1	96.3
90°-120°	183.8	3.0
90°-150°	223.5	3.6
90°-180°	226.0	3.7
0°-180°	6132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2543	2543	2543	2543	2543	
5°	2561	2570	2608	2633	2622	244
15°	2537	2539	2562	2654	2666	719
25°	2511	2528	2724	2591	2454	1163
35°	2524	2643	1872	1273	1109	1593
45°	2730	1593	827	954	982	2108
55°	2514	586	646	702	702	2177
65°	1031	268	281	316	316	1063
75°	213	177	217	218	213	257
85°	24	115	162	157	149	32
90°	0	89	135	124	115	1
95°	0	69	107	94	86	0
105°	0	42	71	65	62	0
115°	1	25	51	62	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	



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CATALOG NUMBER: 4SRL-LD5-61SL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2542.6	2542.6	2542.6	2542.6	2542.6
2.5°	2557.0	2547.9	2547.9	2580.6	2580.6
5°	2561.0	2570.1	2608.0	2632.9	2622.4
7.5°	2558.3	2600.2	2591.0	2554.4	2530.9
10°	2553.1	2615.9	2529.6	2554.4	2551.8
12.5°	2546.6	2592.3	2526.9	2614.6	2609.3
15°	2537.4	2538.7	2562.3	2653.8	2665.6
17.5°	2529.6	2504.7	2600.2	2723.1	2757.1
20°	2521.7	2494.2	2640.7	2782.0	2767.6
22.5°	2517.8	2503.4	2700.9	2737.5	2657.7
25°	2511.3	2528.3	2724.4	2591.0	2453.7
27.5°	2506.0	2557.0	2652.5	2341.2	2194.7
30°	2507.3	2597.6	2496.9	2048.2	1863.8
32.5°	2511.3	2636.8	2226.1	1655.9	1464.9
35°	2524.3	2643.4	1871.7	1272.6	1109.1
37.5°	2553.1	2571.4	1485.8	1007.1	971.8
40°	2593.7	2354.3	1127.4	940.4	975.7
42.5°	2659.1	1989.4	911.6	950.9	1003.2
45°	2729.7	1593.1	826.6	953.5	982.3
47.5°	2789.8	1175.8	809.6	918.2	939.1
50°	2801.6	885.5	776.9	861.9	875.0
52.5°	2712.7	699.8	724.6	787.4	810.9
55°	2513.9	586.0	646.1	702.4	702.4
57.5°	2214.3	497.0	542.8	596.4	591.2
60°	1802.3	409.4	432.9	465.6	457.8
62.5°	1417.8	328.3	336.1	371.5	376.7
65°	1030.7	268.1	281.2	316.5	316.5
67.5°	723.3	228.9	253.7	286.4	289.1
70°	493.1	206.7	242.0	268.1	269.4
72.5°	336.1	191.0	230.2	244.6	240.7
75°	213.2	176.6	217.1	218.4	213.2
77.5°	138.6	160.9	204.0	193.6	189.7
80°	85.0	145.2	187.0	174.0	167.4
82.5°	48.4	129.5	174.0	164.8	158.3
85°	23.5	115.1	162.2	157.0	149.1
87.5°	9.2	102.0	149.1	141.3	133.4
90°	0.0	88.9	134.7	124.3	115.1
92.5°	0.0	78.5	120.3	107.3	99.4
95°	0.0	69.3	107.3	94.2	86.3
97.5°	0.0	61.5	95.5	83.7	74.6
100°	0.0	54.9	86.3	74.6	68.0
102.5°	0.0	48.4	77.2	69.3	65.4
105°	0.0	41.9	70.6	65.4	61.5
107.5°	0.0	36.6	64.1	62.8	60.2
110°	0.0	32.7	60.2	61.5	62.8



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-61SL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.8	54.9	62.8	64.1
115°	1.3	24.9	51.0	61.5	60.2
117.5°	1.3	20.9	45.8	54.9	52.3
120°	1.3	18.3	41.9	49.7	45.8
122.5°	1.3	15.7	36.6	43.2	40.5
125°	1.3	13.1	32.7	39.2	35.3
127.5°	1.3	11.8	28.8	34.0	31.4
130°	1.3	10.5	24.9	30.1	27.5
132.5°	1.3	7.8	22.2	26.2	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	10.5	14.4	10.5
145°	1.3	2.6	9.2	11.8	9.2
147.5°	1.3	2.6	7.8	10.5	7.8
150°	1.3	2.6	6.5	9.2	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)