

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-LD5-60SL-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: 4SRL-LD5-60SL-LN-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

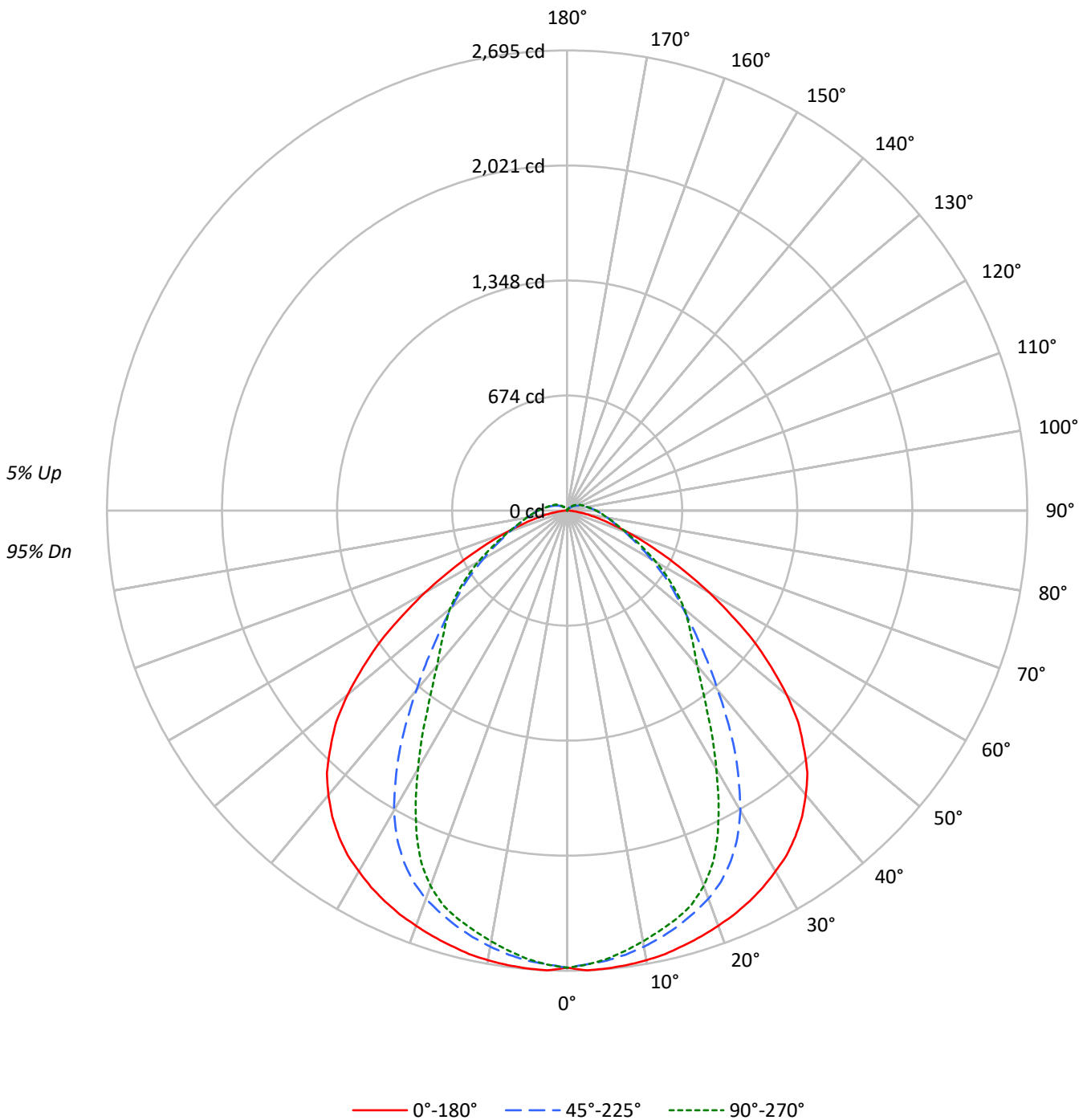
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6120.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
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

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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	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°	31432	31432	31432
5°	31599	29874	29368
10°	31631	28395	27337
15°	31669	26961	25535
20°	31807	25553	23529
25°	32034	23782	20638
30°	32234	21320	17093
35°	32377	18122	13939
40°	32111	14781	11625
45°	31117	12105	10217
50°	29101	10050	9124
55°	25705	8580	7835
60°	20933	7116	6546
65°	16081	5959	5361
70°	11748	5102	4440
75°	8212	4511	3776
80°	5511	4181	3372
85°	3192	3985	3143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	4.1
10°-20°	716.3	11.7
20°-30°	1046.5	17.1
30°-40°	1117.7	18.3
40°-50°	985.0	16.1
50°-60°	747.9	12.2
60°-70°	476.8	7.8
70°-80°	284.4	4.6
80°-90°	178.7	2.9
90°-100°	118.2	1.9
100°-110°	80.4	1.3
110°-120°	54.0	0.9
120°-130°	33.4	0.5
130°-140°	17.7	0.3
140°-150°	7.6	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	2015.0	32.9
0°-40°	3132.7	51.2
0°-60°	4865.6	79.5
0°-90°	5805.5	94.9
90°-120°	252.7	4.1
90°-150°	311.4	5.1
90°-180°	314.0	5.1
0°-180°	6120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2677	2677	2677	2677	2677	
5°	2691	2671	2646	2654	2637	256
15°	2637	2588	2517	2500	2476	746
25°	2525	2412	2267	2157	2088	1165
35°	2330	2078	1710	1496	1426	1456
45°	1959	1474	1096	1032	1025	1506
55°	1337	836	720	746	747	1183
65°	635	430	446	473	469	641
75°	212	218	286	300	290	236
85°	36	118	200	210	201	44
90°	1	89	169	177	169	3
95°	0	68	141	149	141	0
105°	0	43	98	108	104	0
115°	0	27	68	81	80	0
125°	1	17	45	57	56	1
135°	1	9	28	35	33	1
145°	1	4	15	19	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°	2676.8	2676.8	2676.8	2676.8	2676.8
2.5°	2695.4	2679.4	2659.5	2672.8	2662.1
5°	2691.4	2671.4	2646.1	2654.1	2636.8
7.5°	2684.8	2659.5	2623.5	2620.8	2600.9
10°	2674.1	2640.8	2592.9	2583.5	2562.2
12.5°	2659.5	2618.2	2558.2	2543.6	2518.3
15°	2636.8	2587.5	2517.0	2499.6	2475.7
17.5°	2614.2	2552.9	2470.3	2449.0	2421.1
20°	2587.5	2513.0	2419.7	2374.5	2339.8
22.5°	2559.6	2467.7	2353.2	2277.2	2232.0
25°	2524.9	2411.8	2266.6	2157.4	2088.1
27.5°	2486.3	2353.2	2160.1	2002.9	1920.3
30°	2439.7	2274.6	2029.5	1832.5	1745.9
32.5°	2393.1	2189.4	1869.7	1664.7	1586.1
35°	2330.5	2077.5	1709.9	1495.5	1426.3
37.5°	2259.9	1952.3	1535.5	1345.0	1294.4
40°	2174.7	1805.8	1371.7	1219.9	1182.6
42.5°	2082.8	1644.7	1229.2	1118.6	1098.7
45°	1959.0	1474.2	1096.0	1032.1	1025.4
47.5°	1836.4	1303.8	982.8	956.2	960.2
50°	1679.3	1134.6	880.3	889.6	896.3
52.5°	1506.2	978.8	796.4	816.3	821.7
55°	1337.1	836.3	720.5	745.8	747.1
57.5°	1140.0	711.1	637.9	676.5	672.5
60°	961.5	600.6	567.3	597.9	600.6
62.5°	785.7	510.1	504.7	531.4	530.0
65°	635.2	430.1	446.1	472.8	468.8
67.5°	504.7	359.6	396.9	419.5	410.2
70°	384.9	305.0	354.2	371.6	366.2
72.5°	289.0	258.4	317.0	332.9	323.6
75°	211.7	218.4	286.3	299.6	290.3
77.5°	151.8	187.8	262.3	270.3	263.7
80°	102.5	159.8	238.4	249.0	238.4
82.5°	65.3	137.2	218.4	227.7	218.4
85°	36.0	118.5	199.8	210.4	201.1
87.5°	16.0	102.5	183.8	193.1	185.1
90°	1.3	89.2	169.1	177.1	169.1
92.5°	0.0	77.2	154.5	163.8	155.8
95°	0.0	67.9	141.2	149.2	141.2
97.5°	0.0	59.9	129.2	137.2	130.5
100°	0.0	53.3	118.5	126.5	119.9
102.5°	0.0	46.6	107.9	117.2	111.9
105°	0.0	42.6	98.5	107.9	103.9
107.5°	0.0	37.3	90.6	101.2	98.5
110°	0.0	33.3	82.6	94.6	91.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.6	74.6	87.9	85.2
115°	0.0	26.6	67.9	81.2	79.9
117.5°	0.0	24.0	62.6	74.6	74.6
120°	1.3	21.3	57.3	69.2	67.9
122.5°	1.3	18.6	50.6	62.6	61.3
125°	1.3	17.3	45.3	57.3	55.9
127.5°	1.3	14.6	41.3	50.6	49.3
130°	1.3	13.3	36.0	45.3	43.9
132.5°	1.3	10.7	32.0	40.0	38.6
135°	1.3	9.3	28.0	34.6	33.3
137.5°	1.3	8.0	24.0	30.6	29.3
140°	1.3	6.7	21.3	26.6	25.3
142.5°	1.3	5.3	17.3	22.6	21.3
145°	1.3	4.0	14.6	18.6	17.3
147.5°	1.3	2.7	12.0	16.0	14.6
150°	1.3	2.7	9.3	13.3	12.0
152.5°	1.3	2.7	8.0	10.7	8.0
155°	1.3	2.7	5.3	8.0	5.3
157.5°	1.3	2.7	4.0	5.3	4.0
160°	1.3	2.7	4.0	4.0	1.3
162.5°	1.3	2.7	2.7	1.3	0.0
165°	1.3	2.7	2.7	0.0	0.0
167.5°	1.3	2.7	2.7	0.0	0.0
170°	1.3	2.7	2.7	0.0	0.0
172.5°	1.3	2.7	2.7	0.0	0.0
175°	2.7	2.7	2.7	0.0	0.0
177.5°	1.3	2.7	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)