

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: P218111

Luminaire Tested: **4SNLED-LD5-63SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-63SL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5968.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

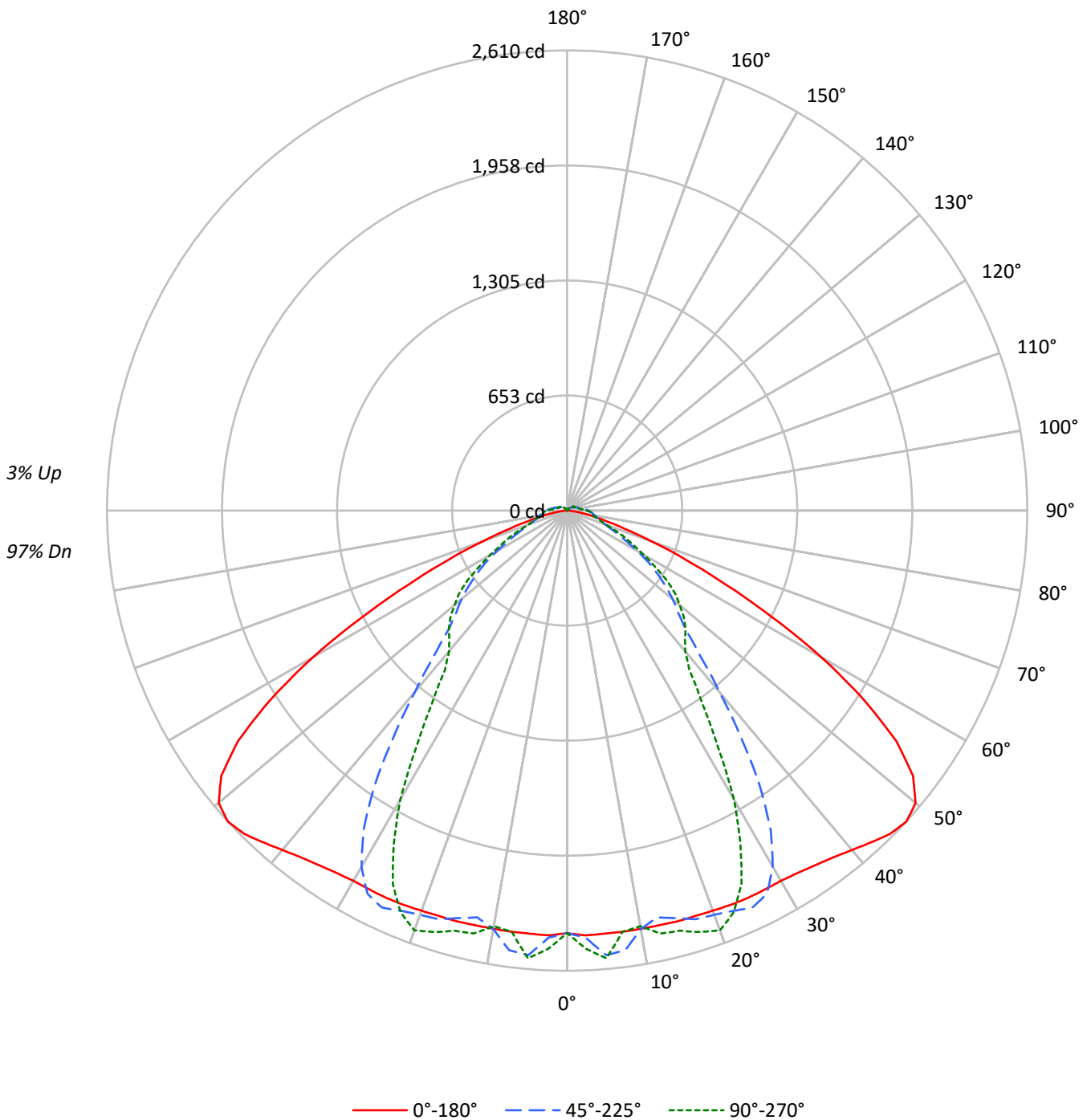
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	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	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38616	38616	38616
5°	38819	38458	37915
10°	39124	34881	33291
15°	39787	33345	32454
20°	40789	32984	31856
25°	42274	32886	28355
30°	44040	30448	22327
35°	46911	24722	15470
40°	51061	17462	11907
45°	56697	12419	10818
50°	61604	10432	9532
55°	60380	8568	7947
60°	50097	6484	5942
65°	34613	4693	4368
70°	21547	3568	2993
75°	12168	3042	2370
80°	6873	2844	2038
85°	3054	2756	2044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.6	3.9
10°-20°	693.8	11.6
20°-30°	1102.4	18.5
30°-40°	1188.7	19.9
40°-50°	1024.5	17.2
50°-60°	775.6	13.0
60°-70°	419.0	7.0
70°-80°	199.0	3.3
80°-90°	124.9	2.1
90°-100°	79.5	1.3
100°-110°	50.9	0.9
110°-120°	34.1	0.6
120°-130°	22.5	0.4
130°-140°	11.0	0.2
140°-150°	4.7	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2031.8	34.0
0°-40°	3220.5	54.0
0°-60°	5020.6	84.1
0°-90°	5763.6	96.6
90°-120°	164.5	2.8
90°-150°	202.6	3.4
90°-180°	204.0	3.4
0°-180°	5968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2396	2396	2396	2396	2396	
5°	2409	2461	2531	2564	2549	230
15°	2412	2476	2393	2476	2467	684
25°	2424	2378	2485	2418	2338	1121
35°	2454	2363	1905	1456	1337	1546
45°	2592	1624	946	937	949	1995
55°	2277	702	626	684	687	1981
65°	989	299	318	357	360	1016
75°	226	156	183	183	180	266
85°	24	95	140	140	137	35
90°	0	73	122	119	110	1
95°	0	58	98	88	82	0
105°	0	37	67	61	55	0
115°	0	21	46	46	46	0
125°	0	12	30	40	37	0
135°	0	6	18	21	21	0
145°	0	3	9	12	9	0
155°	0	3	3	6	3	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2396.5	2396.5	2396.5	2396.5	2396.5
2.5°	2411.7	2414.8	2424.0	2469.8	2488.1
5°	2408.7	2460.6	2530.8	2564.4	2549.1
7.5°	2408.7	2515.5	2515.5	2451.4	2408.7
10°	2408.7	2546.1	2408.7	2396.5	2393.4
12.5°	2408.7	2527.8	2362.9	2448.4	2457.5
15°	2411.7	2475.9	2393.4	2475.9	2466.7
17.5°	2411.7	2414.8	2430.1	2494.2	2506.4
20°	2414.8	2375.1	2439.2	2543.0	2533.9
22.5°	2420.9	2369.0	2457.5	2521.7	2466.7
25°	2424.0	2378.2	2485.0	2417.9	2338.5
27.5°	2424.0	2390.4	2451.4	2259.1	2127.8
30°	2424.0	2396.5	2332.4	2039.3	1892.8
32.5°	2436.2	2390.4	2149.2	1752.3	1593.6
35°	2454.5	2362.9	1905.0	1456.2	1337.1
37.5°	2478.9	2289.6	1618.0	1218.1	1138.7
40°	2512.5	2130.9	1343.3	1065.4	1041.0
42.5°	2552.2	1898.9	1117.3	989.1	989.1
45°	2591.9	1624.1	946.4	937.2	949.4
47.5°	2610.2	1355.5	851.7	885.3	897.5
50°	2579.7	1105.1	781.5	827.3	833.4
52.5°	2472.8	882.3	702.2	757.1	772.4
55°	2277.4	702.2	625.8	683.8	686.9
57.5°	1993.5	558.7	546.5	592.3	589.2
60°	1666.9	451.8	457.9	503.7	503.7
62.5°	1315.8	366.3	384.7	424.3	421.3
65°	989.1	299.2	317.5	357.2	360.2
67.5°	729.6	247.3	268.7	296.1	290.0
70°	509.8	207.6	229.0	244.2	238.1
72.5°	338.9	177.1	201.5	207.6	204.5
75°	225.9	155.7	183.2	183.2	180.1
77.5°	146.5	137.4	171.0	167.9	161.8
80°	91.6	122.1	158.7	152.6	146.5
82.5°	55.0	106.8	149.6	143.5	137.4
85°	24.4	94.6	140.4	140.4	137.4
87.5°	9.2	85.5	131.3	134.3	128.2
90°	0.0	73.3	122.1	119.1	109.9
92.5°	0.0	67.2	109.9	100.7	94.6
95°	0.0	58.0	97.7	88.5	82.4
97.5°	0.0	51.9	88.5	79.4	73.3
100°	0.0	45.8	79.4	70.2	64.1
102.5°	0.0	39.7	73.3	64.1	61.1
105°	0.0	36.6	67.2	61.1	55.0
107.5°	0.0	33.6	61.1	55.0	51.9
110°	0.0	27.5	55.0	51.9	48.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.4	48.8	48.8	48.8
115°	0.0	21.4	45.8	45.8	45.8
117.5°	0.0	18.3	39.7	45.8	45.8
120°	0.0	18.3	36.6	42.7	42.7
122.5°	0.0	15.3	33.6	42.7	42.7
125°	0.0	12.2	30.5	39.7	36.6
127.5°	0.0	9.2	27.5	33.6	33.6
130°	0.0	9.2	24.4	30.5	27.5
132.5°	0.0	6.1	21.4	24.4	24.4
135°	0.0	6.1	18.3	21.4	21.4
137.5°	0.0	6.1	15.3	18.3	15.3
140°	0.0	3.1	12.2	15.3	12.2
142.5°	0.0	3.1	12.2	15.3	12.2
145°	0.0	3.1	9.2	12.2	9.2
147.5°	0.0	3.1	6.1	9.2	9.2
150°	0.0	3.1	6.1	9.2	6.1
152.5°	0.0	3.1	6.1	6.1	3.1
155°	0.0	3.1	3.1	6.1	3.1
157.5°	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)