

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: P218114

Luminaire Tested: **4SNLED-LD5-63SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218114
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6995.0 lumens
Efficiency: N/A
Efficacy: 135.8 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

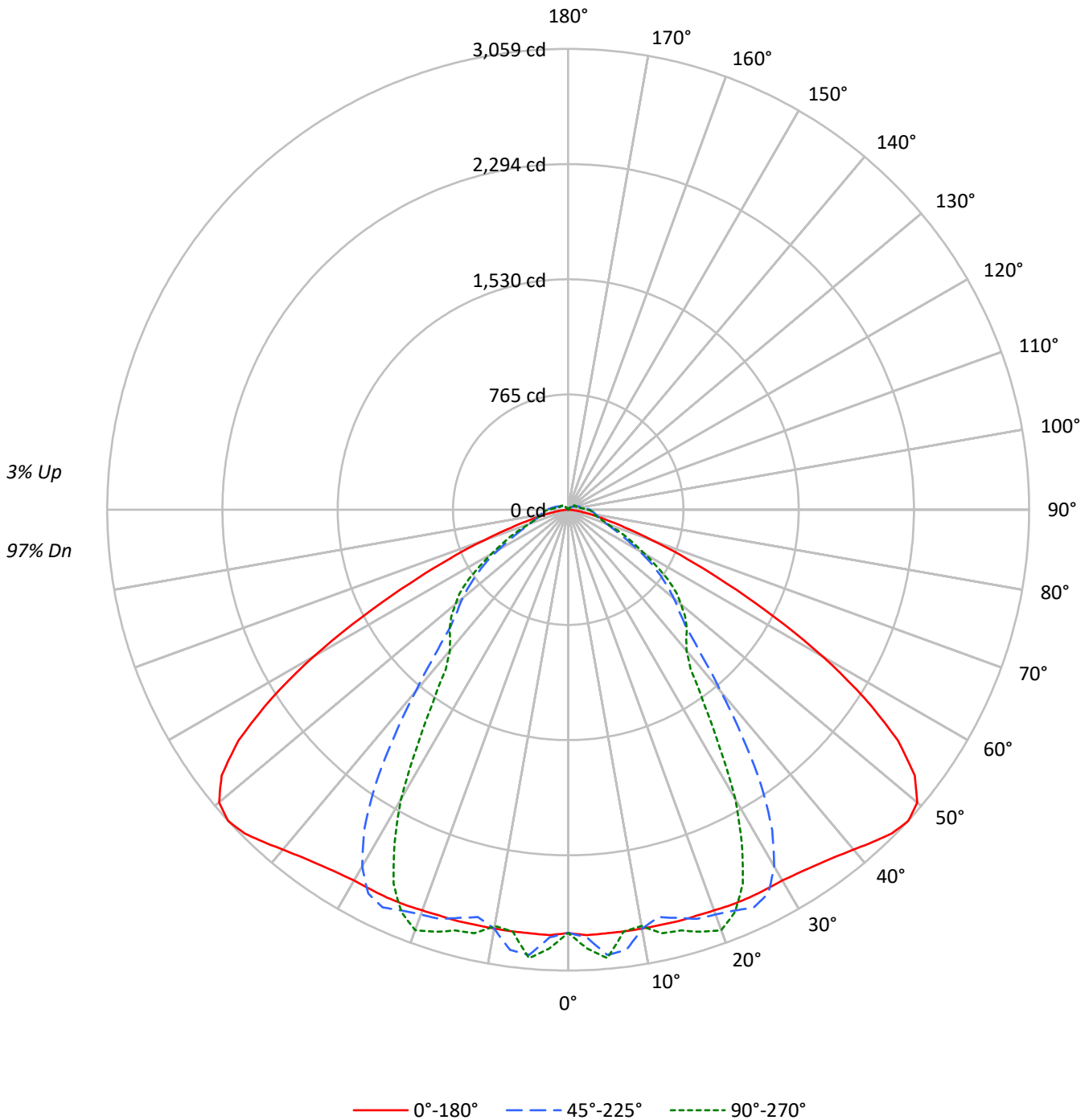
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218114

CATALOG NUMBER: 4SNLED-LD5-63SL-LC-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218114

CATALOG NUMBER: 4SNLED-LD5-63SL-LC-UNV-L850-CD1-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45262	45262	45262
5°	45500	45076	44440
10°	45856	40884	39021
15°	46635	39084	38039
20°	47809	38660	37337
25°	49549	38545	33234
30°	51619	35687	26169
35°	54984	28976	18132
40°	59849	20467	13956
45°	66454	14555	12679
50°	72204	12228	11172
55°	70770	10042	9315
60°	58716	7600	6964
65°	40570	5500	5119
70°	25258	4182	3509
75°	14264	3565	2777
80°	8051	3335	2390
85°	3580	3231	2395



TEST NUMBER: P218114

CATALOG NUMBER: 4SNLED-LD5-63SL-LC-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.1	3.9
10°-20°	813.2	11.6
20°-30°	1292.1	18.5
30°-40°	1393.2	19.9
40°-50°	1200.8	17.2
50°-60°	909.1	13.0
60°-70°	491.1	7.0
70°-80°	233.3	3.3
80°-90°	146.4	2.1
90°-100°	93.2	1.3
100°-110°	59.6	0.9
110°-120°	39.9	0.6
120°-130°	26.3	0.4
130°-140°	12.9	0.2
140°-150°	5.5	0.1
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2381.4	34.0
0°-40°	3774.6	54.0
0°-60°	5884.5	84.1
0°-90°	6755.4	96.6
90°-120°	192.8	2.8
90°-150°	237.5	3.4
90°-180°	240.0	3.4
0°-180°	6995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2809	2809	2809	2809	2809	
5°	2823	2884	2966	3006	2988	269
15°	2827	2902	2805	2902	2891	801
25°	2841	2787	2913	2834	2741	1314
35°	2877	2770	2233	1707	1567	1812
45°	3038	1904	1109	1098	1113	2339
55°	2669	823	734	802	805	2322
65°	1159	351	372	419	422	1191
75°	265	182	215	215	211	312
85°	29	111	165	165	161	41
90°	0	86	143	140	129	1
95°	0	68	114	104	97	0
105°	0	43	79	72	64	0
115°	0	25	54	54	54	0
125°	0	14	36	46	43	0
135°	0	7	22	25	25	0
145°	0	4	11	14	11	0
155°	0	4	4	7	4	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218114

CATALOG NUMBER: 4SNLED-LD5-63SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2808.9	2808.9	2808.9	2808.9	2808.9
2.5°	2826.8	2830.4	2841.1	2894.8	2916.2
5°	2823.2	2884.0	2966.3	3005.7	2987.8
7.5°	2823.2	2948.4	2948.4	2873.3	2823.2
10°	2823.2	2984.2	2823.2	2808.9	2805.3
12.5°	2823.2	2962.7	2769.5	2869.7	2880.4
15°	2826.8	2901.9	2805.3	2901.9	2891.2
17.5°	2826.8	2830.4	2848.2	2923.4	2937.7
20°	2830.4	2783.8	2859.0	2980.6	2969.9
22.5°	2837.5	2776.7	2880.4	2955.6	2891.2
25°	2841.1	2787.4	2912.6	2833.9	2740.9
27.5°	2841.1	2801.7	2873.3	2647.9	2494.0
30°	2841.1	2808.9	2733.7	2390.2	2218.5
32.5°	2855.4	2801.7	2519.0	2053.9	1867.8
35°	2876.9	2769.5	2232.8	1706.8	1567.2
37.5°	2905.5	2683.6	1896.4	1427.7	1334.7
40°	2944.9	2497.6	1574.4	1248.8	1220.2
42.5°	2991.4	2225.6	1309.6	1159.3	1159.3
45°	3037.9	1903.6	1109.2	1098.5	1112.8
47.5°	3059.4	1588.7	998.3	1037.7	1052.0
50°	3023.6	1295.3	916.0	969.7	976.8
52.5°	2898.3	1034.1	823.0	887.4	905.3
55°	2669.3	823.0	733.5	801.5	805.1
57.5°	2336.6	654.8	640.5	694.2	690.6
60°	1953.7	529.6	536.7	590.4	590.4
62.5°	1542.2	429.4	450.9	497.4	493.8
65°	1159.3	350.7	372.1	418.6	422.2
67.5°	855.2	289.8	314.9	347.1	339.9
70°	597.6	243.3	268.4	286.3	279.1
72.5°	397.2	207.5	236.2	243.3	239.7
75°	264.8	182.5	214.7	214.7	211.1
77.5°	171.8	161.0	200.4	196.8	189.6
80°	107.3	143.1	186.1	178.9	171.8
82.5°	64.4	125.2	175.3	168.2	161.0
85°	28.6	110.9	164.6	164.6	161.0
87.5°	10.7	100.2	153.9	157.4	150.3
90°	0.0	85.9	143.1	139.5	128.8
92.5°	0.0	78.7	128.8	118.1	110.9
95°	0.0	68.0	114.5	103.8	96.6
97.5°	0.0	60.8	103.8	93.0	85.9
100°	0.0	53.7	93.0	82.3	75.1
102.5°	0.0	46.5	85.9	75.1	71.6
105°	0.0	42.9	78.7	71.6	64.4
107.5°	0.0	39.4	71.6	64.4	60.8
110°	0.0	32.2	64.4	60.8	57.3



TEST NUMBER: P218114

CATALOG NUMBER: 4SNLED-LD5-63SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.6	57.3	57.3	57.3
115°	0.0	25.0	53.7	53.7	53.7
117.5°	0.0	21.5	46.5	53.7	53.7
120°	0.0	21.5	42.9	50.1	50.1
122.5°	0.0	17.9	39.4	50.1	50.1
125°	0.0	14.3	35.8	46.5	42.9
127.5°	0.0	10.7	32.2	39.4	39.4
130°	0.0	10.7	28.6	35.8	32.2
132.5°	0.0	7.2	25.0	28.6	28.6
135°	0.0	7.2	21.5	25.0	25.0
137.5°	0.0	7.2	17.9	21.5	17.9
140°	0.0	3.6	14.3	17.9	14.3
142.5°	0.0	3.6	14.3	17.9	14.3
145°	0.0	3.6	10.7	14.3	10.7
147.5°	0.0	3.6	7.2	10.7	10.7
150°	0.0	3.6	7.2	10.7	7.2
152.5°	0.0	3.6	7.2	7.2	3.6
155°	0.0	3.6	3.6	7.2	3.6
157.5°	0.0	3.6	3.6	3.6	3.6
160°	3.6	3.6	3.6	3.6	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)